```
From 2341531692703412288
X-Google-Thread: 10c9e3,4e2d4a2f627ad731,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: wp4mvc@libertypr.net (WP4MVC)
Newsgroups: rec.ham-radio
Subject: Icom Rig Controlling Software for Linux
Date: 29 Jun 2004 21:34:36 -0700
Organization: http://groups.google.com
Lines: 3
Message-ID: <23bcd967.0406292034.3029b040@posting.google.com>
NNTP-Posting-Host: 63.245.38.207
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1088570077 23769 127.0.0.1 (30 Jun 2004 04:34:37 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Wed, 30 Jun 2004 04:34:37 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:25

Does any one in this group have any idea where I could download rig
controlling software for an Icom 706.  Operating system RH 9.0.
Thanks! ...73
```

```
From 7388581004193838214
X-Google-Thread: 10c9e3,4e2d4a2f627ad731
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!news.tele.dk!not-for-mail
From: "Carsten Holck" <cholck@malling.com.invalid>
Newsgroups: rec.ham-radio
References: <23bcd967.0406292034.3029b040@posting.google.com>
Subject: Re: Icom Rig Controlling Software for Linux
Date: Wed, 30 Jun 2004 20:06:55 +0200
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1409
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1409
Lines: 11
Message-ID: <40e301f2$0$174$edfadb0f@dtext01.news.tele.dk>
Organization: TDC Totalloesninger
NNTP-Posting-Host: 80.196.73.218
X-Trace: 1088618994 dtext01.news.tele.dk 174 80.196.73.218:59956
X-Complaints-To: abuse@post.tele.dk
Xref: g2news1.google.com rec.ham-radio:26

Heldigvis fandt WP4MVC <wp4mvc@libertypr.net> tastaturet og skrev i
news:23bcd967.0406292034.3029b040@posting.google.com:
> Does any one in this group have any idea where I could download rig
> controlling software for an Icom 706.  Operating system RH 9.0.
> Thanks! ...73
```

check http://radio.linux.org.au/?sectpat=rigcontrol&ordpat=title

/oz5co

```
From -5426846851913848595
X-Google-Thread: 10c9e3,87648d8317549773,start
X-Google-Thread: fa656,87648d8317549773,start
X-Google-Thread: fa029,87648d8317549773,start
X-Google-Thread: 1109af,87648d8317549773,start
X-Google-Thread: f916a,87648d8317549773,start
X-Google-Thread: 115eb8,87648d8317549773,start
X-Google-Attributes:
gid10c9e3,gidfa656,gidfa029,gid1109af,gidf916a,gid115eb8,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!prodigy.com!pd7cy2so!
shaw.ca!pd7tw3no.POSTED!53ab2750!not-for-mail
X-Trace-PostClient-IP: 24.68.154.129
From: "Dave & Daphne Schertzer" <dschertzer@shaw.ca>
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.scanner,rec.radio.swap,seattle.forsale,tor.forsa
le
Subject: FS- $5ea PRC25 PRC77 BATTERIES!!
Lines: 16
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1409
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1409
Message-ID: <FgVEc.960710$oR5.536937@pd7tw3no>
Date: Thu, 01 Jul 2004 14:33:09 GMT
NNTP-Posting-Host: 24.64.223.206
X-Complaints-To: abuse@shaw.ca
X-Trace: pd7tw3no 1088692389 24.64.223.206 (Thu, 01 Jul 2004 08:33:09 MDT)
NNTP-Posting-Date: Thu, 01 Jul 2004 08:33:09 MDT
Organization: Shaw Residential Internet
Xref: g2news1.google.com rec.ham-radio:27 rec.radio.amateur:322
rec.radio.scanner:1528 rec.radio.swap:2269 seattle.forsale:474 tor.forsale:4777
```

** N-E-W-** SEALED IN BAG!!   AN/PRC25 AN/PRC77 ANPRC1107 MANPACK RADIO BATTERIES.

NSN- 6135-00-926-8322, BATTERY, DRY MANGANESE DIOXIDE. PN/ BA-3386/25, BA3386/U (PRC25)

UNISOURCE TECHNOLOGY INC. MADE IN USA. 15V @ 15Ah. WEIGHT 2KG EA. MORE INFO AT http://www.milpower.co.uk/pdfs/milbat/milba3386u.pdf . OVER 100 AVAIL.

$10USDea
$8 (2 or more)
$6 (5 or more)

```
$5 (10 or more) + shipping




From 6490969103202522141
X-Google-Thread: 10c9e3,5e4391865165c1a9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII
Path: g2news1.google.com!news2.google.com!proxad.net!newsfeed.tpinternet.pl!
atlantis.news.tpi.pl!news.tpi.pl!not-for-mail
From: Jilly Manner<jilly@hotmail.com>
Newsgroups: rec.ham-radio
Subject: Let's fight against Inforelation.com -spamming service!!!
Date: Thu, 1 Jul 2004 17:59:51 +0200
Organization: tp.internet - http://www.tpi.pl/
Lines: 19
Message-ID: <cc1cci$t8v$4@nemesis.news.tpi.pl>
NNTP-Posting-Host: bql104.neoplus.adsl.tpnet.pl
Content-Type: text/html
X-Trace: nemesis.news.tpi.pl 1088697554 29983 83.29.79.104 (1 Jul 2004 15:59:14
GMT)
X-Complaints-To: usenet@tpi.pl
NNTP-Posting-Date: Thu, 1 Jul 2004 15:59:14 +0000 (UTC)
X-Newsreader: BNews2004v20
Xref: g2news1.google.com rec.ham-radio:28

<HTML>
<HEAD>
<META NAME="GENERATOR" Content="Microsoft DHTML Editing Control">
<TITLE></TITLE>
</HEAD>
<BODY>
<DIR><FONT size=4>
<P>Let�s fight against Inforelation.com-spamming service!!!</P>
<P>Hallo,</P>
<P>Here is Jilly.Let�s do something with this crazy Inforelation.com.</P>
<P>By the accident I have visited this web� and I�m terrified with what people
wish to know and the money they offer!This service is designed for crazy
scientists or maniacs�Like the one who uses nickname �OB�</P>
<P>And who pays in absolutelyextravagant and suspicious way in my opinion.</P>
<P>Jilly Manner</P>
<P>Jilly@hotmail.com</P></DIR></FONT>
</BODY>
</HTML>




From 8460491191218737781
X-Google-Thread: 10c9e3,202986c73ae472c0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
```

```
news.level3.com!zeus.visi.com!priapus.visi.com!orange.octanews.net!news-
out.visi.com!petbe.visi.com!news.octanews.net!newspeer.monmouth.com!
border1.nntp.dca.giganews.com!nntp.giganews.com!local1.nntp.dca.giganews.com!
nntp.ptd.net!news.ptd.net.POSTED!not-for-mail
NNTP-Posting-Date: Fri, 02 Jul 2004 11:02:55 -0500
From: "David Hubbell" <hubbell@ptd.net>
Newsgroups: rec.ham-radio
Subject: New micro TNC, anyone got one?
Date: Fri, 2 Jul 2004 12:03:02 -0400
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1409
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1409
Message-ID: <yJ-dnfgelYeyGnjdUSdV9g@ptd.net>
Lines: 7
NNTP-Posting-Host: 24.229.196.193
X-Trace: sv3-egfJ9wpBU4O/
MfdiVmzRclKOKWmHZbGAI7pJJinbnq0Ct3aoWaOpUiEwqunROQggNBwm9eMuzwL8o9e!
J+vYkaNjAOE0qJCtYY5TY+kPbCAnXdocrrOFkrzdJ8QoFaDjUgg+3D1gH+87B+SU+U1eECTC
X-Complaints-To: abuse@ptd.net
X-DMCA-Complaints-To: abuse@ptd.net
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint
properly
X-Postfilter: 1.1
Xref: g2news1.google.com rec.ham-radio:29

There is a new TNC from http://www.elcom.gr/index.htm
It has a USB interface and will work as a standalone DIGI without the USB.

Wondering if anyone has purchased one and how you like it.
Dave




From 4139101446366888157
X-Google-Thread: 10c9e3,6a522295620246ed,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: chris@eltradio.co.uk (Chris Whitehead)
Newsgroups: rec.ham-radio
Subject: Maxon SMP4001 Programmer for PM150
Date: 3 Jul 2004 07:03:45 -0700
Organization: http://groups.google.com
Lines: 8
Message-ID: <6ad2f1a1.0407030603.26e60aff@posting.google.com>
NNTP-Posting-Host: 195.137.78.225
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1088863430 27335 127.0.0.1 (3 Jul 2004 14:03:50 GMT)
X-Complaints-To: groups-abuse@google.com
```

```
NNTP-Posting-Date: Sat, 3 Jul 2004 14:03:50 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:30
```

Could anyone help ?
I have purchased a new SMP4001 programming kit but cannot get the unit
to talk to my PC, it just keep saying that the serial connection is
not there I have even tried an old 486 procceser PC in case the more
modern ones are too fast but to no success.
This is the 2nd unit I have tried thinking the first was faulty

Chris

```
From -1090824756001693747
X-Google-Thread: 10c9e3,d338dcf295dae910,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: chris@eltradio.co.uk (Chris Whitehead)
Newsgroups: rec.ham-radio
Subject: Maxon SMP4000 eprom programmer
Date: 3 Jul 2004 08:12:59 -0700
Organization: http://groups.google.com
Lines: 1
Message-ID: <6ad2f1a1.0407030712.138c1adc@posting.google.com>
NNTP-Posting-Host: 195.137.78.225
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1088867584 30444 127.0.0.1 (3 Jul 2004 15:13:04 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sat, 3 Jul 2004 15:13:04 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:31
```

Does anyone have a Maxon eprom programmer model no SMP4000 for sale ???

```
From 7166202812225565219
X-Google-Thread: 10c9e3,d778c09ed77f19b8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!
border1.nntp.dca.giganews.com!border2.nntp.dca.giganews.com!nntp.giganews.com!
elnk-atl-nf1!newsfeed.earthlink.net!cyclone.tampabay.rr.com!news-
post.tampabay.rr.com!twister.tampabay.rr.com.POSTED!53ab2750!not-for-mail
From: "Lieutenant_Dan" <Here@Home.com>
Newsgroups: rec.ham-radio
Subject: The lady was SCAMMED by XE2FLR
Lines: 88
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1409
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1409
Message-ID: <M5iGc.18327$uK.17738@twister.tampabay.rr.com>
```

```
Date: Mon, 05 Jul 2004 19:37:16 GMT
NNTP-Posting-Host: 24.26.32.20
X-Complaints-To: abuse@rr.com
X-Trace: twister.tampabay.rr.com 1089056236 24.26.32.20 (Mon, 05 Jul 2004 15:37:16
EDT)
NNTP-Posting-Date: Mon, 05 Jul 2004 15:37:16 EDT
Organization: RoadRunner - Tampa Bay
Xref: g2news1.google.com rec.ham-radio:32
```

Mr. Juan Lozano (XE2FLR),
You have committed fraud against Mrs. Thompson. She has tried every avenue possible to resolve the illegal reversal of payment that you initiated against her. This reversal has caused undue finical and emotional hardship on this woman. I feel the need to send this OPEN letter to you letting everyone know just what you did.

Mr. Lozano, we know English is a second language for you so I will break this down to ensure there is no misunderstanding while still being totally fair & honest with you and everyone else who may read this.

1. Mrs. Victoria Thompson who:
a. Is a registered eBay member, in good standings (eBay.com).
b. Is a Verified Paypal Member (Paypal.com).
c. Listed a Motorola Communications Service Monitor.
d. eBay Item number: 3817317151
e. View item at:
http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=3817317151
f. Shipped item via United States Postal Service (USPS.com) with Insurance
g. Delivery confirmation number 0303 2460 0001 6669 1339

2. Mr. Juan Francisco Lozano-Rodriguez
a. Is a registered eBay member (XE2FLR)
b. Is a Verified Paypal Member. (xe2flr_@hotmail.com)
c. Bid and won auction for item number: 3817317151
d. Paid Victoria Thompson via Paypal
c. Paypal transaction ID #   8YY56447B7708882X
e. Upon receipt of the shipment confirmation number you reversed payment

Mrs. Thompson listed the Motorola Communications Service Monitor on eBay.com

You won the auction with a winning bid of $1,029.09USD with an initial shipping price of $30.00USD for a total price you paid of $1,059.09USD.

You made payment using your credit card thru Paypal.com. After a few days you asked Mrs. Thompson when she would ship the item. She responded that it would take a few days for her son to ship it because the unit is very heavy and she could not lift it. Mrs. Thompson's son sent the item using USPS.com and paid $40.00USD for shipping.

NOTE: The Shipping cost an additional $10.00USD, Mrs. Thompson was kind enough not to bill you the additional money for it.

After the item shipped you were emailed the delivery confirmation number.
Mrs. Thompson who is new to eBay and Paypal purchased items on eBay and also paid for services using her paypal money. Upon receipt of the delivery confirmation number you reversed your payment to the unsuspecting Mrs. Thompson. (Your motives are unknown)

Mr. Thompson has notified You, eBay.com, Paypal.com and SquereTrede.com
You have responded telling Mrs. Thompson that the reversal was inadvertent and that you would correct it immediately and she should not worry.
You also contacted SquareTrade.com and told them to close the investigation.
The reason you told them: "I have resolved this with the other party." These are your exact words to them. The only problem with this is, Mrs. Thompson still has not been paid nor did you resolve issues with her Paypal account.

This matter must be resolved immediately!
You must pay her with a cashiers check for the full amount of $1,059.09.00

Complaints have now been filed with the following agencies;

The Internet Fraud Complaint Center and the Federal Bureau of Investigation
http://www1.ifccfbi.gov/cf1.asp

United States Postal Service (Postal Inspector)
https://www.usps.com/postalinspectors/fraud/MailFraudComplaint.htm

The State of California's Attorney General's Office
http://caag.state.ca.us

Juan Francisco Lozano-Rodriguez
A.K.A. Juan Lozano
1860 Primera St.
Lemon Grove, CA 91945
Email: xe2flr_@hotmail.com
Phone: 619-838-8608
Alt Phone: 011526646752841
eBay ID: XE2FLR
HAM Radio Call Sign: XE2FLR

From -6828090261321915758
X-Google-Thread: 10c9e3,d778c09ed77f19b8
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!wn14feed!
worldnet.att.net!63.223.4.70!c01.usenetserver.com!news.usenetserver.com!elnk-atl-
nf1!newsfeed.earthlink.net!cyclone.tampabay.rr.com!news-post.tampabay.rr.com!

```
twister.tampabay.rr.com.POSTED!53ab2750!not-for-mail
From: "Lieutenant_Dan" <Here@Home.com>
Newsgroups: rec.ham-radio
References: <M5iGc.18327$uK.17738@twister.tampabay.rr.com>
Subject: Re: The lady was SCAMMED by XE2FLR
Lines: 8
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1409
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1409
Message-ID: <_ijGc.18527$uK.9354@twister.tampabay.rr.com>
Date: Mon, 05 Jul 2004 20:59:38 GMT
NNTP-Posting-Host: 24.26.32.20
X-Complaints-To: abuse@rr.com
X-Trace: twister.tampabay.rr.com 1089061178 24.26.32.20 (Mon, 05 Jul 2004 16:59:38
EDT)
NNTP-Posting-Date: Mon, 05 Jul 2004 16:59:38 EDT
Organization: RoadRunner - Tampa Bay
Xref: g2news1.google.com rec.ham-radio:33

Here is more information on him:
Callsign:XE2FLR
Name:LOZANO RODRIGUEZ JUAN FCO.
Addr1:C. BUENAVTA. NO.736 C. 20 DE NOV.
Addr2:BCN,
Country:MEXICO




From -7070123414050866058
X-Google-Thread: 10c9e3,f8f87738a81ca62,start
X-Google-Thread: fa656,f8f87738a81ca62,start
X-Google-Thread: fa029,f8f87738a81ca62,start
X-Google-Thread: 1109af,f8f87738a81ca62,start
X-Google-Thread: f916a,f8f87738a81ca62,start
X-Google-Thread: 115eb8,f8f87738a81ca62,start
X-Google-Attributes:
gid10c9e3,gidfa656,gidfa029,gid1109af,gidf916a,gid115eb8,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!news3.optonline.net!
pd7cy1no!shaw.ca!pd7tw3no.POSTED!53ab2750!not-for-mail
X-Trace-PostClient-IP: 24.68.154.129
From: "Dave & Daphne Schertzer" <dschertzer@shaw.ca>
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.scanner,rec.radio.swap,seattle.forsale,tor.forsa
le
Subject: FS-  N-E-W- AN/PRC25 AN/PRC77 MANPACK RADIO BATTS!!
Lines: 19
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1409
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1409
```

```
Message-ID: <EXcIc.70371$P7.65870@pd7tw3no>
Date: Sun, 11 Jul 2004 15:23:16 GMT
NNTP-Posting-Host: 24.64.223.206
X-Complaints-To: abuse@shaw.ca
X-Trace: pd7tw3no 1089559396 24.64.223.206 (Sun, 11 Jul 2004 09:23:16 MDT)
NNTP-Posting-Date: Sun, 11 Jul 2004 09:23:16 MDT
Organization: Shaw Residential Internet
Xref: g2news1.google.com rec.ham-radio:34 rec.radio.amateur:357
rec.radio.scanner:1691 rec.radio.swap:2572 seattle.forsale:531 tor.forsale:5452



 ** N-E-W-** SEALED IN BAG!!   AN/PRC25 AN/PRC77 ANPRC1107 MANPACK RADIO
 BATTERIES.

 NSN- 6135-00-926-8322, BATTERY, DRY MANGANESE DIOXIDE. PN/  BA-3386/25,
 BA3386/U (PRC25)

 UNISOURCE TECHNOLOGY INC. MADE IN USA. 15V @ 15Ah.  WEIGHT 2KG EA. MORE
INFO
 AT  http://www.milpower.co.uk/pdfs/milbat/milba3386u.pdf . OVER 100 AVAIL.


 $10USD ea
$8 (2 or more)
$6 (5 or more)
$5 (10 or more) + shipping




From -4571699944844512918
X-Google-Thread: 10c9e3,f8f87738a81ca62
X-Google-Thread: fa656,f8f87738a81ca62
X-Google-Thread: fa029,f8f87738a81ca62
X-Google-Thread: 1109af,f8f87738a81ca62
X-Google-Thread: f916a,f8f87738a81ca62
X-Google-Thread: 115eb8,f8f87738a81ca62
X-Google-Attributes:
gid10c9e3,gidfa656,gidfa029,gid1109af,gidf916a,gid115eb8,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!
border1.nntp.dca.giganews.com!nntp.giganews.com!local1.nntp.dca.giganews.com!
nntp.comcast.com!news.comcast.com.POSTED!not-for-mail
NNTP-Posting-Date: Sun, 11 Jul 2004 11:43:07 -0500
From: "Bill Crocker" <wcrocker007@comcast.net>
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.scanner,rec.radio.swap,seattle.forsale,tor.forsa
le
References: <EXcIc.70371$P7.65870@pd7tw3no>
Subject: Re: FS-  N-E-W- AN/PRC25 AN/PRC77 MANPACK RADIO BATTS!!
Date: Sun, 11 Jul 2004 12:43:09 -0400
X-Priority: 3
```

X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1409
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1409
Message-ID: <ZY-dnS6vueGB82zd4p2dnA@comcast.com>
Lines: 29
NNTP-Posting-Host: 68.60.134.62
X-Trace: sv3-
TxlGpcRfcX4VcDOvW2jTko0UJsx5hOO0SlmNj6vf6mhHPi5kNw55C9pItsAop+KYq9QIx7Nv2AoOq0E!
M1ykbyoEnXo30U5QqRFFbMDcyGjf11+Lk3bQLL9YXje2spMd16oaS9yldxcK
X-Complaints-To: abuse@comcast.net
X-DMCA-Complaints-To: dmca@comcast.net
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint
properly
X-Postfilter: 1.1
Xref: g2news1.google.com rec.ham-radio:35 rec.radio.amateur:358
rec.radio.scanner:1694 rec.radio.swap:2575 seattle.forsale:532 tor.forsale:5456

What is the date of manufacture?

Bill Crocker

"Dave & Daphne Schertzer" <dschertzer@shaw.ca> wrote in message
news:EXcIc.70371$P7.65870@pd7tw3no...
>
>
> ** N-E-W-** SEALED IN BAG!!   AN/PRC25 AN/PRC77 ANPRC1107 MANPACK RADIO
> BATTERIES.
>
> NSN- 6135-00-926-8322, BATTERY, DRY MANGANESE DIOXIDE. PN/ BA-3386/25,
> BA3386/U (PRC25)
>
> UNISOURCE TECHNOLOGY INC. MADE IN USA. 15V @ 15Ah. WEIGHT 2KG EA. MORE
> INFO
> AT http://www.milpower.co.uk/pdfs/milbat/milba3386u.pdf . OVER 100
AVAIL.
>
>
> $10USD ea
> $8 (2 or more)
> $6 (5 or more)
> $5 (10 or more) + shipping
>
>

From -4199654490668636040
X-Google-Thread: 10c9e3,ed4d6e76b650b028,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit

```
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: len_paget@yahoo.com (Len)
Newsgroups: rec.ham-radio
Subject: Copy of article in Dec 96 July 97 CQ Mag needed
Date: 13 Jul 2004 06:43:30 -0700
Organization: http://groups.google.com
Lines: 6
Message-ID: <d03045ee.0407130543.4e95602a@posting.google.com>
NNTP-Posting-Host: 62.253.176.60
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1089726217 11225 127.0.0.1 (13 Jul 2004 13:43:37 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Tue, 13 Jul 2004 13:43:37 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:36

Hi there I'm looking for a photocopy or scan of Doug DeMaw's QRN
Squasher published in Dec 96 and July 97 CQ magazine.

Unfortuately this mag is not published in the UK.

Len GM0ONX len_paget@yahoo.com


From 3810222585514341707
X-Google-Thread: 10c9e3,ed4d6e76b650b028
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news2.google.com!news.maxwell.syr.edu!wns13feed!
worldnet.att.net!attbi_s53.POSTED!53ab2750!not-for-mail
From: kenbern@hotmail.com
Newsgroups: rec.ham-radio
Subject: Re: Copy of article in Dec 96 July 97 CQ Mag needed
Message-ID: <MPG.1b5dd6777220871598968f@netnews.comcast.net>
References: <d03045ee.0407130543.4e95602a@posting.google.com>
Organization: Home
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-15"
Content-Transfer-Encoding: 7bit
User-Agent: MicroPlanet-Gravity/2.60.2060
Lines: 16
NNTP-Posting-Host: 24.16.169.127
X-Complaints-To: abuse@comcast.net
X-Trace: attbi_s53 1089746580 24.16.169.127 (Tue, 13 Jul 2004 19:23:00 GMT)
NNTP-Posting-Date: Tue, 13 Jul 2004 19:23:00 GMT
Date: Tue, 13 Jul 2004 19:23:00 GMT
Xref: g2news1.google.com rec.ham-radio:37

In article <d03045ee.0407130543.4e95602a@posting.google.com>,
len_paget@yahoo.com says...
> Hi there I'm looking for a photocopy or scan of Doug DeMaw's QRN
> Squasher published in Dec 96 and July 97 CQ magazine.
>
```

> Unfortuately this mag is not published in the UK.
>
> Len GM0ONX len_paget@yahoo.com
>

Here is a link to hamcall.net which archives CQ magazines. The 1996 and 1997 years are there, I checked.

http://hamcall.net/cgi-bin/cqcgi

KA7RGO

From -4328656901910154 96
X-Google-Thread: 10c9e3,ed4d6e76b650b028
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news2.google.com!news.maxwell.syr.edu!wn14feed!worldnet.att.net!attbi_s02.POSTED!53ab2750!not-for-mail
From: kenbern@hotmail.com
Newsgroups: rec.ham-radio
Subject: Re: Copy of article in Dec 96 July 97 CQ Mag needed
Message-ID: <MPG.1b5df564f2bad16a989690@netnews.comcast.net>
References: <d03045ee.0407130543.4e95602a@posting.google.com> <MPG.1b5dd6777220871598968f@netnews.comcast.net>
Organization: Home
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-15"
Content-Transfer-Encoding: 7bit
User-Agent: MicroPlanet-Gravity/2.60.2060
Lines: 23
NNTP-Posting-Host: 24.16.169.127
X-Complaints-To: abuse@comcast.net
X-Trace: attbi_s02 1089754500 24.16.169.127 (Tue, 13 Jul 2004 21:35:00 GMT)
NNTP-Posting-Date: Tue, 13 Jul 2004 21:35:00 GMT
Date: Tue, 13 Jul 2004 21:35:00 GMT
Xref: g2news1.google.com rec.ham-radio:38

In article <MPG.1b5dd6777220871598968f@netnews.comcast.net>, kenbern@hotmail.com says...
> In article <d03045ee.0407130543.4e95602a@posting.google.com>,
> len_paget@yahoo.com says...
> > Hi there I'm looking for a photocopy or scan of Doug DeMaw's QRN
> > Squasher published in Dec 96 and July 97 CQ magazine.
> >
> > Unfortuately this mag is not published in the UK.
> >
> > Len GM0ONX len_paget@yahoo.com
> >
>
> Here is a link to hamcall.net which archives CQ magazines. The 1996 and
> 1997 years are there, I checked.
>

> http://hamcall.net/cgi-bin/cqcgi
>
> KA7RGO
>

Unfortunately you can only view the first 10 pages of each archived mag
unless you pay for archived issues.

KA7RGO

From 7965630872566255562
X-Google-Thread: 10aaeb,78fe8f942414f420,start
X-Google-Thread: 10ed5f,78fe8f942414f420,start
X-Google-Thread: 108228,78fe8f942414f420,start
X-Google-Thread: 10c9e3,78fe8f942414f420,start
X-Google-Thread: f76e2,78fe8f942414f420,start
X-Google-Thread: 1109af,78fe8f942414f420,start
X-Google-Attributes:
gid10aaeb,gid10ed5f,gid108228,gid10c9e3,gidf76e2,gid1109af,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!prodigy.com!atl-c02.usenetserver.com!c03.atl99!news.usenetserver.com!fe39.usenetserver.com.POSTED!53ab2750!not-for-mail
From: "Daniel W4ADT" <danielw4adt@alltel.net>
Newsgroups: alabama.birmingham.radio.amateur,alt.ham-radio,alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap
Subject: FS:Kawasaki Prairie� 360 4x4 ATV Camo
Lines: 15
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1409
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1409
Message-ID: <e50Jc.177$mw.165@fe39.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Tue, 13 Jul 2004 21:35:06 EDT
Date: Tue, 13 Jul 2004 21:33:40 -0400
Xref: g2news1.google.com alabama.birmingham.radio.amateur:29 alt.ham-radio:113 alt.ham-radio.marketplace:314 rec.ham-radio:39 rec.ham-radio.swap:233 rec.radio.swap:2653

FOR SALE OR TRADE

Automatic! Less than 1.5 hours on the engine!! I have the title, need to sell. 4.5 months left on transferable warranty! Purchased for $7,400.00 sell for $5,100.00

I WILL consider NEW CONDITION HF gear for trade + cash of course.

WILL NOT SHIP

Call 678-758-1298 or email me at danielw4adt@alltel.net

Serious inquirys only please. Pictures available on request

```
From -5929233074377766708
X-Google-Thread: 10aaeb,78fe8f942414f420
X-Google-Thread: 10ed5f,78fe8f942414f420
X-Google-Thread: 108228,78fe8f942414f420
X-Google-Thread: 10c9e3,78fe8f942414f420
X-Google-Thread: f76e2,78fe8f942414f420
X-Google-Thread: 1109af,78fe8f942414f420
X-Google-Attributes:
gid10aaeb,gid10ed5f,gid108228,gid10c9e3,gidf76e2,gid1109af,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news2.google.com!news.maxwell.syr.edu!news-
rtr.nyroc.rr.com!news-out.nyroc.rr.com!twister.nyroc.rr.com.POSTED!53ab2750!not-
for-mail
From: somebody@somewhere.com
Newsgroups: alabama.birmingham.radio.amateur,alt.ham-radio,alt.ham-
radio.marketplace,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap
Subject: Re: FS:Kawasaki Prairie� 360 4x4 ATV Camo
Message-ID: <0s69f05857f5pgtalb4p92b5u7e82fev0b@4ax.com>
References: <e50Jc.177$mw.165@fe39.usenetserver.com>
X-Newsreader: Forte Agent 1.93/32.576 English (American)
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 21
Date: Wed, 14 Jul 2004 02:35:04 GMT
NNTP-Posting-Host: 66.66.143.144
X-Complaints-To: abuse@rr.com
X-Trace: twister.nyroc.rr.com 1089772504 66.66.143.144 (Tue, 13 Jul 2004 22:35:04
EDT)
NNTP-Posting-Date: Tue, 13 Jul 2004 22:35:04 EDT
Organization: Road Runner
Xref: g2news1.google.com alabama.birmingham.radio.amateur:30 alt.ham-radio:114
alt.ham-radio.marketplace:316 rec.ham-radio:40 rec.ham-radio.swap:234
rec.radio.swap:2656
```

Does that do VSB ATV or is it FM?

On Tue, 13 Jul 2004 21:33:40 -0400, "Daniel W4ADT"
<danielw4adt@alltel.net> wrote:

```
>FOR SALE OR TRADE
>
>Automatic! Less than 1.5 hours on the engine!! I have the title, need to
>sell. 4.5 months left on transferable warranty! Purchased for $7,400.00 sell
>for $5,100.00
>
```

```
>I WILL consider NEW CONDITION HF gear for trade + cash of course.
>
>WILL NOT SHIP
>
>Call xxx-xxx-xxxx or email me at clueless@clue.com
>
>Serious inquirys only please. Pictures available on request
>
>



From -3779728151613320393
X-Google-Thread: 10c9e3,85e92684dd26ce13,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!
border1.nntp.dca.giganews.com!border2.nntp.sjc.giganews.com!
border1.nntp.sjc.giganews.com!nntp.giganews.com!local1.nntp.sjc.giganews.com!
nntp.netnitco.net!news.netnitco.net.POSTED!not-for-mail
NNTP-Posting-Date: Wed, 14 Jul 2004 14:46:35 -0500
From: "Eagle Creek" <7734@46341.invalid>
Newsgroups: rec.ham-radio
Subject: Need some help with a GE part
Date: Wed, 14 Jul 2004 14:46:20 -0500
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Message-ID: <ps-dnY9JSowGEGjdRVn2jw@netnitco.net>
Lines: 17
NNTP-Posting-Host: 66.11.104.97
X-Trace: sv3-
fBccXFkH82Z7Yde2FYBmDqbHZsaMmptUb8MPzRjUc8Tf4rzGuS6vVWcmPpJPIE0niPIh0i0n6/1mH7O!
oPMsDI+j6gRXM+xhWNT4ALFn2KK2C8AXcK5ghKPlSdON6/vKY3uMy+Jc9eH2zwRDDW9d007RcZ3C
X-Complaints-To: abuse@netnitco.net
X-DMCA-Complaints-To: abuse@netnitco.net
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint
properly
X-Postfilter: 1.1
Xref: g2news1.google.com rec.ham-radio:42

    Hello fellas,

      I need to find a source for a power switch for a;

GE  Superadio III,   model 7-2887B
```

The part number taken from the repair manual is:

```
Item  S3,     Part number     EA39X1115,     SWITCH
```

appreciate your help ..... email address would be nice!

Thanks   ......   Tony

```
From 3907322708001264595
X-Google-Thread: 10c9e3,2c2d9e066825fe41
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!
newsfeed2.telusplanet.net!newsfeed.telus.net!edtnps84.POSTED!53ab2750!not-for-mail
From: "WG" <nojunk@mail.com>
Newsgroups: rec.ham-radio
References: <72506035.0406161049.32b92866@posting.google.com>
Subject: Re: interference
Lines: 10
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1437
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1441
Message-ID: <xmIJc.46885$Rf.31053@edtnps84>
Date: Fri, 16 Jul 2004 03:57:17 GMT
NNTP-Posting-Host: 209.53.245.165
X-Trace: edtnps84 1089950237 209.53.245.165 (Thu, 15 Jul 2004 21:57:17 MDT)
NNTP-Posting-Date: Thu, 15 Jul 2004 21:57:17 MDT
Xref: g2news1.google.com rec.ham-radio:43
```

You could buy a better phone or put ferrite chokes on the line just before the line enters the phone. Radio shack sells a few different types for only a few dollars.

"D Sechrist" <csu11148@mail.claytonstate.net> wrote in message
news:72506035.0406161049.32b92866@posting.google.com...

> When my husband is on the radio and I'm on the phone, his conversation
> keeps coming through on the phone. How do I keep that from happening?

```
From -4225991823840761989
X-Google-Thread: 10c9e3,c203934ecb2443ac,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: va3os@rac.ca (Jim)
```

Newsgroups: rec.ham-radio
Subject: C.W. KEY BASES
Date: 16 Jul 2004 05:24:52 -0700
Organization: http://groups.google.com
Lines: 8
Message-ID: <969ab06c.0407160424.77e31e1c@posting.google.com>
NNTP-Posting-Host: 64.228.139.252
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1089980692 22630 127.0.0.1 (16 Jul 2004 12:24:52 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Fri, 16 Jul 2004 12:24:52 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:44

Hey all,

Visit my web site and see what I can do for your worn out straight keys.

73 friends,
Jim Cosgrove VA3OS/VE3JJI

http://www3.sympatico.ca/ve3jji

From -8344008739006276812
X-Google-Thread: 10c9e3,97affc8f81d022a6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: dearshailu@netscape.net (Shailesh Deshmukh)
Newsgroups: rec.ham-radio
Subject: Amateur Radio Emergency Services (NEWS)
Date: 16 Jul 2004 09:01:22 -0700
Organization: http://groups.google.com
Lines: 39
Message-ID: <66819940.0407160801.6e073178@posting.google.com>
NNTP-Posting-Host: 219.65.87.45
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1089993683 1674 127.0.0.1 (16 Jul 2004 16:01:23 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Fri, 16 Jul 2004 16:01:23 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:45

Mumbai Amateur Radio Society

Hi friends

As you are all aware that our Amateur Radio Emergence Service Team
headed by NLF including Sandip Adiwarekar-VU2UGO, Arun Singh-VU3AUA,
Micky Korde-VU2IZO and Anish Korde-VU2OZO were mobilised on a call
from Delhi to Bihar which is ravaged by Floods all over the state.

NLF & team left early morning by air on 15-07-2004 via New Delhi for Patna, Immediately Reaching they met State Secretary R & R and were informed about the situation , a control station was setup in sachivalaya headed by VU2IZO & VU2OZO with whom the QSO was made by us on 40 mtrs yesterday

As per the information received NLF, UGO & AUA will be leaving Patna and helidropped in 2 remote district which are submerged in waters and no communication possible.

16/06/2004

10.45 am : As per last update received from Patna , NLF UGO & AUA left Patna and are on the way to flood ravaged district , ZRS & Ankur who are on Monitoring Mode are waiting for a QSO with the MARS ARES Team from Disaster Area

Further Update will be made as per the information received from the Disaster Site.

VU2LOC
Shailesh Deshmukh.

P.S. Ham Members are requested not make ant QSO ctc with the MARS ARES Team unless they request for , they are in regular touch with Mumbai(ZRS) , Also they are on Batteries so they will be coming Intermittently on the air to pass emergency messages.

```
From 3706152212342568278
X-Google-Thread: fa656,9e42b33a3d617f7f,start
X-Google-Thread: 10c9e3,9e42b33a3d617f7f,start
X-Google-Thread: 107ada,9e42b33a3d617f7f,start
X-Google-Attributes: gidfa656,gid10c9e3,gid107ada,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!prodigy.com!
newsmst01a.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr19.news.prodigy.com.POSTED!275ccadd!not-for-mail
Reply-To: "Daniel J. Morlan" <dmorlanDONOTSPAM!@sbcglobal.netNOSPAM!>
From: "Daniel J. Morlan" <dmorlanDONOTSPAM!@sbcglobal.netNOSPAM!>
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.misc
Subject: Is there a general consensus at all for best ham radio prices?
Lines: 8
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1437
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1441
Message-ID: <e72Kc.728$vN1.472@newssvr19.news.prodigy.com>
NNTP-Posting-Host: 68.249.98.41
X-Complaints-To: abuse@prodigy.net
```

X-Trace: newssvr19.news.prodigy.com 1090039370 ST000 68.249.98.41 (Sat, 17 Jul 2004 00:42:50 EDT)
NNTP-Posting-Date: Sat, 17 Jul 2004 00:42:50 EDT
Organization: SBC http://yahoo.sbc.com
X-UserInfo1:
OHXIRYOGYJVOBFD[LZKJOPHAWB\^PBQLGPQRZ_MHEQR@ETUCCNSKQFCY@TXDX_WHSVB]ZEJLSNY\^J[CUV
SA_QLFC^RQHUPH[P[NRWCCMLSNPOD_ESALHUK@TDFUZHBLJ\XGKL^NXA\EVHSP[D_C^B_^JCX^W]CHBAX]
POG@SSAZQ\LE[DCNMUPG_VSC@VJM
Date: Sat, 17 Jul 2004 04:42:50 GMT
Xref: g2news1.google.com rec.radio.amateur:379 rec.ham-radio:46 rec.radio.amateur.misc:1306

I buy most of my gear at HRO, but I'm getting to where I'm not exactly smiling at some of the prices. I know ham radio gear is expensive, but I get almost sick to my stomach the thought of paying $90.00 for a rapid charger for my IC-190A.

Is there a better deal on the web anywhere?

From 7912427381419285257
X-Google-Thread: 10c9e3,97affc8f81d022a6
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: dearshailu@netscape.net (Shailesh Deshmukh)
Newsgroups: rec.ham-radio
Subject: Re: Amateur Radio Emergency Services (NEWS)
Date: 17 Jul 2004 02:37:07 -0700
Organization: http://groups.google.com
Lines: 37
Message-ID: <66819940.0407170137.23840363@posting.google.com>
References: <66819940.0407160801.6e073178@posting.google.com>
NNTP-Posting-Host: 219.65.80.11
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1090057028 17891 127.0.0.1 (17 Jul 2004 09:37:08 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sat, 17 Jul 2004 09:37:08 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:47

MUMBAI AMATEUR RADIO SOCIETY

Dear Ham Friends

As you are all aware Grave floods situation in Assam & Bihar ,Mumbai Amateur Radio Society received an SOS call on 15/07/04 at 12.30 midnight from Mr Saroj Jha (Deputy Secretary ,National Centre of Disaster Management(NCDM) Ministry of Home Affairs Govt. of India, ex-A R R UNDP INDIA) to provide communications support in the floods affected area , Mumbai Amateur Radio Society (MARS) immediately responded and 5 members of MARS ARES Team were immediately mobilised.

MARS ARES team headed by NILESH RATHOD - VU2NLF, SANDIP ADIWAREKAR - VU2UGO, ARUN SINGH - VU3AUA, MILIND KORDE - VU2IZO and ANISH KORDE - VU2OZO took the first available flight to Patna via New Delhi, from where they were airlifted by helicopter to various far flung submerged district.

MARS ARES team hams communicated vital information to base station set up at Patna Secretariat (Sachivalaya) on both RT/digital mode which were also being monitored at our MARS MUMBAI CONTROL, we request hams who are QRV on HF may please monitor and if any help required ,necessary action might be taken.

MARS ARES team members are Amateur (Ham) Radio Volunteers who have their own job and not working full time as wireless operators in any Ham Radio Institute ,also the team members were aptly trained here locally thru various simulated disaster management exercises which were regularly held in our society.

Further Update will be made as per the information received from the Disaster Site.

VU2LOC
Shailesh Deshmukh.

From -4611303491849294755
X-Google-Thread: 10c9e3,68305c9a2e281d73,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: rlucch2098@aol.com (Rich)
Newsgroups: rec.ham-radio
Subject: FA: PALOMAR ENGINEERS MOBILE ANTENNA MATCHER>Sunday
Date: 17 Jul 2004 06:48:09 -0700
Organization: http://groups.google.com
Lines: 10
Message-ID: <ac04ab5b.0407170548.41b54681@posting.google.com>
NNTP-Posting-Host: 64.12.116.13
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1090072099 28414 127.0.0.1 (17 Jul 2004 13:48:19 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sat, 17 Jul 2004 13:48:19 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:48

Many nice clear pics.
All items are real inexpensive.
Ebay item numbers>
5708912331

```
OR>
This is my entire list on Ebay.
You may want to check others while you're there :-)
Please add HTTP in front of the address below as AOL frowns on HOT links :-(
://cgi6.ebay.com/ws/eBayISAPI.dll?ViewListedItems&userid=myradioroom&sort=
3&page=1&rows=25&since=14&rdir=0


From -3119718029754804947
X-Google-Thread: 10c9e3,88a076360a2244f3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: rlucch2098@aol.com (Rich)
Newsgroups: rec.ham-radio
Subject: FA: MINT KENWOOD PS-50 HVY-DUTY 20A SUPPLY>SUNDAY!
Date: 17 Jul 2004 06:48:52 -0700
Organization: http://groups.google.com
Lines: 15
Message-ID: <ac04ab5b.0407170548.489cb636@posting.google.com>
NNTP-Posting-Host: 64.12.116.13
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1090072149 28423 127.0.0.1 (17 Jul 2004 13:49:09 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sat, 17 Jul 2004 13:49:09 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:49

Many nice clear pics.
All items are real inexpensive.
Ebay item numbers>
5708912349
OR>
This is my entire list on Ebay.
You may want to check others while you're there :-)
Please add HTTP in front of the address below as AOL frowns on HOT links :-(
://cgi6.ebay.com/ws/eBayISAPI.dll?ViewListedItems&userid=myradioroom&sort=
3&page=1&rows=25&since=14&rdir=0
Thanks es 73...........RICH-WA2RQY       RLUCCH2098@aol.com
Cheep Manuals for sale @>>
http://www.myradioroom.com/manualsales.html
Web-Page URL>
HTTP://members.aol.com/rlucch2098/index.html


From 5823703913348349719
X-Google-Thread: 10c9e3,c930d301c59ba63d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: rlucch2098@aol.com (Rich)
Newsgroups: rec.ham-radio
Subject: FA: $9.99 E.F JOHNSON LOGO QUARTZ WALL CLOCK, NEW-9-1/2"
```

```
Date: 17 Jul 2004 06:49:44 -0700
Organization: http://groups.google.com
Lines: 15
Message-ID: <ac04ab5b.0407170549.5d7ca608@posting.google.com>
NNTP-Posting-Host: 64.12.116.13
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1090072194 28440 127.0.0.1 (17 Jul 2004 13:49:54 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sat, 17 Jul 2004 13:49:54 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:50

Many nice clear pics.
All items are real inexpensive.
Ebay item numbers>
5708912395
OR>
This is my entire list on Ebay.
You may want to check others while you're there :-)
Please add HTTP in front of the address below as AOL frowns on HOT links :-(
://cgi6.ebay.com/ws/eBayISAPI.dll?ViewListedItems&userid=myradioroom&sort=
3&page=1&rows=25&since=14&rdir=0
Thanks es 73...........RICH-WA2RQY       RLUCCH2098@aol.com
Cheep Manuals for sale @>>
http://www.myradioroom.com/manualsales.html
Web-Page URL>
HTTP://members.aol.com/rlucch2098/index.html


From -6631728716199292383
X-Google-Thread: 10c9e3,aec6adb63f9687ef,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: rlucch2098@aol.com (Rich)
Newsgroups: rec.ham-radio
Subject: FA: TWO(2) BRAND-NEW 6146B RF OUTPUT TUBES->Nice Deal!
Date: 17 Jul 2004 06:50:22 -0700
Organization: http://groups.google.com
Lines: 15
Message-ID: <ac04ab5b.0407170550.5feb887f@posting.google.com>
NNTP-Posting-Host: 64.12.116.13
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1090072236 28614 127.0.0.1 (17 Jul 2004 13:50:36 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sat, 17 Jul 2004 13:50:36 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:51

Many nice clear pics.
All items are real inexpensive.
Ebay item numbers>
5708912292
```

```
OR>
This is my entire list on Ebay.
You may want to check others while you're there :-)
Please add HTTP in front of the address below as AOL frowns on HOT links :-(
://cgi6.ebay.com/ws/eBayISAPI.dll?ViewListedItems&userid=myradioroom&sort=
3&page=1&rows=25&since=14&rdir=0
Thanks es 73...........RICH-WA2RQY       RLUCCH2098@aol.com
Cheep Manuals for sale @>>
http://www.myradioroom.com/manualsales.html
Web-Page URL>
HTTP://members.aol.com/rlucch2098/index.html


From 9073288925876873525
X-Google-Thread: 10c9e3,7a936dd3c3cb5aa0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: rlucch2098@aol.com (Rich)
Newsgroups: rec.ham-radio
Subject: FA: YAESU YC-601B W/RED LED's & Landliner Spkr/Patch>> NEAT!
Date: 17 Jul 2004 06:51:15 -0700
Organization: http://groups.google.com
Lines: 16
Message-ID: <ac04ab5b.0407170551.177af67@posting.google.com>
NNTP-Posting-Host: 64.12.116.13
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1090072287 28629 127.0.0.1 (17 Jul 2004 13:51:27 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sat, 17 Jul 2004 13:51:27 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:52

Many nice clear pics.
All items are real inexpensive.
Ebay item numbers>
5710155801
5710155810
OR>
This is my entire list on Ebay.
You may want to check others while you're there :-)
Please add HTTP in front of the address below as AOL frowns on HOT links :-(
://cgi6.ebay.com/ws/eBayISAPI.dll?ViewListedItems&userid=myradioroom&sort=
3&page=1&rows=25&since=14&rdir=0
Thanks es 73...........RICH-WA2RQY       RLUCCH2098@aol.com
Cheep Manuals for sale @>>
http://www.myradioroom.com/manualsales.html
Web-Page URL>
HTTP://members.aol.com/rlucch2098/index.html


From -4769902896767137365
X-Google-Thread: 10c9e3,ce811aaa1f6a0c1e,start
```

X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!prodigy.com!atl-c02.usenetserver.com!c03.atl99!news.usenetserver.com!fe17.usenetserver.com.POSTED!9dab48db!not-for-mail
Newsgroups: rec.ham-radio
Subject: rf meter
From: HarleyDog <harleydog@aol.com>
Message-ID: <Xns952A7338CE76B11012350@63.223.5.254>
User-Agent: Xnews/5.04.25
Lines: 10
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Sun, 18 Jul 2004 11:19:27 EDT
Date: Sun, 18 Jul 2004 15:19:27 GMT
Xref: g2news1.google.com rec.ham-radio:53

Been trying to find the cause of excessive rf but lost on a good meter to use. A friend has so much rf on his ht on one freq that he is unable to transmit or rec on that freq..Ht picks it up in all rooms and outside, brought my ht over and the same result.

Would like a good meter anyway and this makes for a great opportunity to do so.. So any ideas on a good meter to find the source of these problems?

Jim

From 4848134394700693899
X-Google-Thread: 10c9e3,ce811aaa1f6a0c1e
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news2.google.com!news.maxwell.syr.edu!wns13feed!worldnet.att.net!attbi_s53.POSTED!53ab2750!not-for-mail
From: JohnJacobJingleHimerSchmidt <jjjhs@campnutty.net>
User-Agent: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.7.1) Gecko/20040707
X-Accept-Language: en-us, en
MIME-Version: 1.0
Newsgroups: rec.ham-radio
Subject: Re: rf meter
References: <Xns952A7338CE76B11012350@63.223.5.254>
In-Reply-To: <Xns952A7338CE76B11012350@63.223.5.254>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
Lines: 42
Message-ID: <eMFKc.127610$XM6.118792@attbi_s53>
NNTP-Posting-Host: 24.245.58.11
X-Complaints-To: abuse@comcast.net
X-Trace: attbi_s53 1090201738 24.245.58.11 (Mon, 19 Jul 2004 01:48:58 GMT)

NNTP-Posting-Date: Mon, 19 Jul 2004 01:48:58 GMT
Organization: Comcast Online
Date: Mon, 19 Jul 2004 01:48:58 GMT
Xref: g2news1.google.com rec.ham-radio:54

If the "rf" is in the lower part of the two meter repeater frequencies around 145.250 it might be a leaky Cable TV, cable tv is a secondary user on two meters but on a non-interference basis, I believe channel 13 - cable, is around 145.25 and if you can tune above the two meter band 4.5 Mhz above 145.250 listen for audio and see if it "matches" what is on channel 13 on cable tv. If it is leaky TV cable then the cable company is responsible for repairs up to the entry point, if the leak is inside the building, then owner is responsible for repairs.

Good RFI info at www.arrl.org I think they list all the cable interference on the site, just search for cable rfi.

If your a ARRL member and the cable company refuses repair, have the ARRL assist and they will have the FCC get involved if necessary!
Same for power line noise, but not BPL yet!

Or have the neighbor turn off all the electricity in the house and see if the "rf" goes away, then if the interference is still there it maybe the TV cable, if not then turning on and off different appliances to see if one of those generates "RF", you be surprised at some of the things that can generate "RF" even down to heating pad controls, any kind of electrical device, stuff you would not think of generating "RF". Home alarm systems also and they maybe on battery back up power. Call the alarm company before messing around with the home alarm system or the police may show up if you disconnect the alarm system, it sends in an "alarm" if disconnected.

jjjhs

HarleyDog wrote:
> Been trying to find the cause of excessive rf but lost on a good meter
> to use. A friend has so much rf on his ht on one freq that he is unable
> to transmit or rec on that freq..Ht picks it up in all rooms and
> outside, brought my ht over and the same result.
>
> Would like a good meter anyway and this makes for a great opportunity to
> do so.. So any ideas on a good meter to find the source of these
> problems?
>
> Jim
>

From 1541279541582069549
X-Google-Thread: 10c9e3,a190ddc583215550,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit

```
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: emctwo@access-4-free.com (simpleone)
Newsgroups: rec.ham-radio
Subject: Stable FM with no AFC?
Date: 22 Jul 2004 15:49:38 -0700
Organization: http://groups.google.com
Lines: 15
Message-ID: <7d82b1b2.0407221449.5720df10@posting.google.com>
NNTP-Posting-Host: 70.16.23.4
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1090536579 4841 127.0.0.1 (22 Jul 2004 22:49:39 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Thu, 22 Jul 2004 22:49:39 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:55

Is it possible to do anything to a FM broadcast receiver that seems to
have no AFC to help it to stay locked on a station? I have a single
purpose FM radio for music-on-hold that will drift off station in the
course of a few hours.

can I:

Choose another station?

Move the dipole antenna? (If so, then in which direction shall I point
it, at the station or perpendicular to the station?)

add a part? (doubt it is worth it)

Pitch it in the recycling bin and get another radio?


From 1379373301488884219
X-Google-Thread: 10c9e3,11bd90e26aa9d15f,start
X-Google-Thread: f76e2,11bd90e26aa9d15f,start
X-Google-Thread: ffbc8,11bd90e26aa9d15f,start
X-Google-Thread: 1051ef,11bd90e26aa9d15f,start
X-Google-Attributes: gid10c9e3,gidf76e2,gidffbc8,gid1051ef,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!
border1.nntp.dca.giganews.com!nntp.giganews.com!newshosting.com!
nx01.iad01.newshosting.com!167.206.3.103.MISMATCH!news3.optonline.net!
news4.srv.hcvlny.cv.net.POSTED!not-for-mail
Message-ID: <410063B8.4E0199A2@optonline.net>
From: Steve <LafayetteRadio3@optonline.net>
Organization: LRE
X-Mailer: Mozilla 4.79 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.heraldry,rec.humor
Subject: Re: Osama Found Hanged
References: <n8QLc.11478$YQ6.564513@news4.srv.hcvlny.cv.net>
```

```
Content-Type: multipart/alternative;
 boundary="------------8EDD0BE02FDBD3FFF6B8C6D1"
Lines: 32
Date: Fri, 23 Jul 2004 00:59:54 GMT
NNTP-Posting-Host: 24.47.254.156
X-Complaints-To: abuse@cv.net
X-Trace: news4.srv.hcvlny.cv.net 1090544394 24.47.254.156 (Thu, 22 Jul 2004
20:59:54 EDT)
NNTP-Posting-Date: Thu, 22 Jul 2004 20:59:54 EDT
Xref: g2news1.google.com rec.ham-radio:56 rec.ham-radio.swap:258 rec.heraldry:2040
rec.humor:22093


--------------8EDD0BE02FDBD3FFF6B8C6D1
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

FACT OR VIRUS??
BET IT'S THE LATTER

davidanderson@columbia.edu wrote:

> Osama Bin Ladin was found hanged by two CNN journalists early Wedensday evening.
As evidence they took several photos, some of which i have included here.  As yet,
this information has not hit the headlines due to Bush wanting confirmation of his
identity but the journalists have released some early photos over the internet..
> http://www.theparadise.x-y.net/OsamaFoundDead.zip

--------------8EDD0BE02FDBD3FFF6B8C6D1
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<!doctype html public "-//w3c//dtd html 4.0 transitional//en">
<html>
<font size=+1>FACT OR VIRUS??</font>
<br>BET IT'S THE LATTER
<p>davidanderson@columbia.edu wrote:
<blockquote TYPE=CITE>Osama Bin Ladin was found hanged by two CNN journalists
early Wedensday evening.&nbsp; As evidence they took several photos, some
of which i have included here.&nbsp; As yet, this information has not hit
the headlines due to Bush wanting confirmation of his identity but the
journalists have released some early photos over the internet..
<br><a href="http://www.theparadise.x-y.net/OsamaFoundDead.zip">http://
www.theparadise.x-y.net/OsamaFoundDead.zip</a></blockquote>
</html>

--------------8EDD0BE02FDBD3FFF6B8C6D1--



From -409996682179852247
X-Google-Thread: 10c9e3,11bd90e26aa9d15f
X-Google-Thread: f76e2,11bd90e26aa9d15f
```

```
X-Google-Thread: ffbc8,11bd90e26aa9d15f
X-Google-Thread: 1051ef,11bd90e26aa9d15f
X-Google-Attributes: gid10c9e3,gidf76e2,gidffbc8,gid1051ef,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!newshub.sdsu.edu!logbridge.uoregon.edu!
tethys.csu.net!nntp.csufresno.edu!sn-xit-02!sn-xit-01!sn-xit-06!sn-post-01!
supernews.com!corp.supernews.com!not-for-mail
From: "Mos" <Not@YourHouse>
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.heraldry,rec.humor
Subject: Re: Osama Found Hanged
Date: Thu, 22 Jul 2004 19:11:47 -0600
Organization: rec.humor posters
Message-ID: <10g0pejpg2se75e@corp.supernews.com>
Reply-To: "Mos" <Post a note>
References: <n8QLc.11478$YQ6.564513@news4.srv.hcvlny.cv.net>
<410063B8.4E0199A2@optonline.net>
MIME-Version: 1.0
Content-Type: multipart/alternative;
     boundary="----=_NextPart_000_001B_01C4701F.BC8C1290"
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1409
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1409
X-Complaints-To: abuse@supernews.com
Lines: 70
Xref: g2news1.google.com rec.ham-radio:57 rec.ham-radio.swap:259 rec.heraldry:2041
rec.humor:22100

This is a multi-part message in MIME format.

------=_NextPart_000_001B_01C4701F.BC8C1290
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable


  "Steve" <LafayetteRadio3@optonline.net> wrote in message =
news:410063B8.4E0199A2@optonline.net...
  FACT OR VIRUS??=20
  BET IT'S THE LATTER=20
  davidanderson@columbia.edu wrote:=20

    Osama Bin Ladin was found hanged by two CNN journalists early =
Wedensday evening.  As evidence they took several photos, some of which =
i have included here.  As yet, this information has not hit the =
headlines due to Bush wanting confirmation of his identity but the =
journalists have released some early photos over the internet..=20
    http://www.theparadise.x-y.net/OsamaFoundDead.zip


    QuickTime ???
------=_NextPart_000_001B_01C4701F.BC8C1290
Content-Type: text/html;
```

```
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<HTML><HEAD>
<META http-equiv=3DContent-Type content=3D"text/html; =
charset=3Diso-8859-1">
<META content=3D"MSHTML 6.00.2800.1400" name=3DGENERATOR>
<STYLE></STYLE>
</HEAD>
<BODY bgColor=3D#ffffff>
<DIV><FONT face=3DArial size=3D2></FONT>&nbsp;</DIV>
<BLOCKQUOTE dir=3Dltr=20
style=3D"PADDING-RIGHT: 0px; PADDING-LEFT: 5px; MARGIN-LEFT: 5px; =
BORDER-LEFT: #000000 2px solid; MARGIN-RIGHT: 0px">
  <DIV>"Steve" &lt;<A=20
  =
href=3D"mailto:LafayetteRadio3@optonline.net">LafayetteRadio3@optonline.n=
et</A>&gt;=20
  wrote in message <A=20
  =
href=3D"news:410063B8.4E0199A2@optonline.net">news:410063B8.4E0199A2@opto=
nline.net</A>...</DIV><FONT=20
  size=3D+1>FACT OR VIRUS??</FONT> <BR>BET IT'S THE LATTER=20
  <P>davidanderson@columbia.edu wrote:=20
  <BLOCKQUOTE TYPE=3D"CITE">
    <DIV>Osama Bin Ladin was found hanged by two CNN journalists early =
Wedensday=20
    evening.&nbsp; As evidence they took several photos, some of which i =
have=20
    included here.&nbsp; As yet, this information has not hit the =
headlines due=20
    to Bush wanting confirmation of his identity but the journalists =
have=20
    released some early photos over the internet.. <BR><A=20
    =
href=3D"http://www.theparadise.x-y.net/OsamaFoundDead.zip">http://www.the=
paradise.x-y.net/OsamaFoundDead.zip</A></DIV>
    <DIV><FONT face=3DArial size=3D2></FONT>&nbsp;</DIV>
    <DIV>&nbsp;</DIV>
    <DIV><FONT face=3DArial size=3D2>QuickTime=20
???</FONT></DIV></BLOCKQUOTE></BLOCKQUOTE></BODY></HTML>

------=_NextPart_000_001B_01C4701F.BC8C1290--



From 4141497212850089877
X-Google-Thread: 10c9e3,11bd90e26aa9d15f
X-Google-Thread: f76e2,11bd90e26aa9d15f
X-Google-Thread: ffbc8,11bd90e26aa9d15f
X-Google-Thread: 1051ef,11bd90e26aa9d15f
X-Google-Attributes: gid10c9e3,gidf76e2,gidffbc8,gid1051ef,public
```

```
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!wns13feed!worldnet.att.net!
attbi_s02.POSTED!53ab2750!not-for-mail
From: Ken B <kenbern@hotmail.com>
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.heraldry,rec.humor
Subject: Re: Osama Found Hanged
Message-ID: <MPG.1b6a19577b912dec98969b@netnews.comcast.net>
References: <n8QLc.11478$YQ6.564513@news4.srv.hcvlny.cv.net>
<410063B8.4E0199A2@optonline.net> <10g0pejpg2se75e@corp.supernews.com>
Organization: Home
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-15"
Content-Transfer-Encoding: 7bit
User-Agent: MicroPlanet-Gravity/2.60.2060
Lines: 18
NNTP-Posting-Host: 24.16.169.127
X-Complaints-To: abuse@comcast.net
X-Trace: attbi_s02 1090550164 24.16.169.127 (Fri, 23 Jul 2004 02:36:04 GMT)
NNTP-Posting-Date: Fri, 23 Jul 2004 02:36:04 GMT
Date: Fri, 23 Jul 2004 02:36:05 GMT
Xref: g2news1.google.com rec.ham-radio:58 rec.ham-radio.swap:260 rec.heraldry:2046
rec.humor:22114

In article <10g0pejpg2se75e@corp.supernews.com>, Not@YourHouse says...
>
>   "Steve" <LafayetteRadio3@optonline.net> wrote in message
news:410063B8.4E0199A2@optonline.net...
>   FACT OR VIRUS??
>   BET IT'S THE LATTER
>   davidanderson@columbia.edu wrote:
>
>     Osama Bin Ladin was found hanged by two CNN journalists early Wedensday
evening.  As evidence they took several photos, some of which i have included
here.  As yet, this information has not hit the headlines due to Bush wanting
confirmation of his identity but the journalists have released some early photos
over the internet..
>     http://www.theparadise.x-y.net/OsamaFoundDead.zip
>
>
>     QuickTime ???
Contains a backdoor trojan.  Installs ipconfigS.exe and ZoneLockout.exe
in your windows system folder/system32, and 3 registry entries.

Guess how I know?

KA7RGO


From -4375106117943760511
X-Google-Thread: 10c9e3,11bd90e26aa9d15f
X-Google-Thread: f76e2,11bd90e26aa9d15f
X-Google-Thread: ffbc8,11bd90e26aa9d15f
```

```
X-Google-Thread: 1051ef,11bd90e26aa9d15f
X-Google-Attributes: gid10c9e3,gidf76e2,gidffbc8,gid1051ef,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!tdsnet-transit!
newspeer.tds.net!sn-xit-02!sn-xit-01!sn-post-01!supernews.com!corp.supernews.com!
not-for-mail
From: "Mos" <Not@YourHouse>
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.heraldry,rec.humor
Subject: Re: Osama Found Hanged
Date: Thu, 22 Jul 2004 20:42:16 -0600
Organization: rec.humor posters
Message-ID: <10g0uo8f8s43242@corp.supernews.com>
Reply-To: "Mos" <Post a note>
References: <n8QLc.11478$YQ6.564513@news4.srv.hcvlny.cv.net>
<410063B8.4E0199A2@optonline.net> <10g0pejpg2se75e@corp.supernews.com>
<MPG.1b6a19577b912dec98969b@netnews.comcast.net>
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1409
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1409
X-Complaints-To: abuse@supernews.com
Lines: 29
Xref: g2news1.google.com rec.ham-radio:59 rec.ham-radio.swap:261 rec.heraldry:2047
rec.humor:22115

Ken B wrote:
> In article <10g0pejpg2se75e@corp.supernews.com>, Not@YourHouse says...
>>
>>   "Steve" <LafayetteRadio3@optonline.net> wrote in message
>>   news:410063B8.4E0199A2@optonline.net... FACT OR VIRUS??
>>   BET IT'S THE LATTER
>>   davidanderson@columbia.edu wrote:
>>
>>     Osama Bin Ladin was found hanged by two CNN journalists early
>>     Wedensday evening.  As evidence they took several photos, some
>> of which i have included here.  As yet, this information has not hit
>> the headlines due to Bush wanting confirmation of his identity but
>> the journalists have released some early photos over the internet..
>> http://www.theparadise.x-y.net/OsamaFoundDead.zip
>>
>>
>>     QuickTime ???
> Contains a backdoor trojan.  Installs ipconfigS.exe and
> ZoneLockout.exe in your windows system folder/system32, and 3
> registry entries.
>
> Guess how I know?

You wrote it ?


> KA7RGO
```

```
From 8461074629833103769
X-Google-Thread: 10c9e3,11bd90e26aa9d15f
X-Google-Thread: f76e2,11bd90e26aa9d15f
X-Google-Thread: ffbc8,11bd90e26aa9d15f
X-Google-Thread: 1051ef,11bd90e26aa9d15f
X-Google-Attributes: gid10c9e3,gidf76e2,gidffbc8,gid1051ef,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news2.google.com!news.maxwell.syr.edu!sn-xit-03!sn-
xit-04!sn-xit-01!sn-post-01!supernews.com!corp.supernews.com!not-for-mail
From: Larry Krzewinski <Feerless_Freep@madmagazine.com>
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.heraldry,rec.humor
Subject: Re: Osama Found Hanged
Date: Thu, 22 Jul 2004 20:14:16 -0700
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <ci01g053fjjvjvk5rm10loteu6jj7mk327@4ax.com>
References: <n8QLc.11478$YQ6.564513@news4.srv.hcvlny.cv.net>
<410063B8.4E0199A2@optonline.net> <10g0pejpg2se75e@corp.supernews.com>
X-Newsreader: Forte Agent 1.93/32.576 English (American)
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Complaints-To: abuse@supernews.com
Lines: 16
Xref: g2news1.google.com rec.ham-radio:60 rec.ham-radio.swap:262 rec.heraldry:2048
rec.humor:22132

On Thu, 22 Jul 2004 19:11:47 -0600, "Mos" <Not@YourHouse> wrote:

>
>  "Steve" <LafayetteRadio3@optonline.net> wrote in message
news:410063B8.4E0199A2@optonline.net...
>  FACT OR VIRUS??
>  BET IT'S THE LATTER
>  davidanderson@columbia.edu wrote:
>
>    Osama Bin Ladin was found hanged by two CNN journalists early Wedensday
evening.  As evidence they took several photos, some of which i have included
here.  As yet, this information has not hit the headlines due to Bush wanting
confirmation of his identity but the journalists have released some early photos
over the internet..
>    http://www.theparadise.x-y.net/OsamaFoundDead.zip
>
>
>    QuickTime ???

Mos, please tell us that you didn't click on that link and then open
it.


From 5427208828748375761
```

```
X-Google-Thread: 10c9e3,fd7260c63f31ce02,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news2.google.com!proxad.net!213.200.89.82.MISMATCH!
tiscali!newsfeed1.ip.tiscali.net!news.tele.dk!news.tele.dk!small.news.tele.dk!not-
for-mail
From: "Tonni" <oz4acl@pc.dk>
Newsgroups: rec.ham-radio
Subject: Searching manual for motorola and RSS
Date: Sat, 24 Jul 2004 18:22:42 +0200
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1437
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1441
Lines: 11
Message-ID: <41028cc5$0$181$edfadb0f@dread11.news.tele.dk>
Organization: TDC Totalloesninger
NNTP-Posting-Host: 80.62.255.138
X-Trace: 1090686149 dread11.news.tele.dk 181 80.62.255.138:52202
X-Complaints-To: abuse@post.tele.dk
Xref: g2news1.google.com rec.ham-radio:61

Hi All!

Does any here know where a manual for Motorola GP300 5 tone, and RSS
R02.04.00 can be found?
- Prefereable as pdf or similar...

Need to know how alignment and tone setup funktions works...

Vy 73 de oz4acl, Tonni




From 5504941355797357247
X-Google-Thread: 10c9e3,15176ceb638eddfb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!wn14feed!
worldnet.att.net!attbi_s01.POSTED!53ab2750!not-for-mail
From: "BC" <basketcase_910@hotmail.com>
Newsgroups: rec.ham-radio
Subject: Galaxy DX99V for sale {CHEAP}
Lines: 4
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1437
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1441
Message-ID: <WSFMc.155814$%_6.63197@attbi_s01>
NNTP-Posting-Host: 12.223.225.246
X-Complaints-To: abuse@insightbb.com
X-Trace: attbi_s01 1090726454 12.223.225.246 (Sun, 25 Jul 2004 03:34:14 GMT)
```

```
NNTP-Posting-Date: Sun, 25 Jul 2004 03:34:14 GMT
Organization: Insight Broadband
Date: Sun, 25 Jul 2004 03:34:14 GMT
Xref: g2news1.google.com rec.ham-radio:62
```

I have a galaxy 99 for sale in good condition, check it out here:
http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=5711308754

```
From -4530336929204890899
X-Google-Thread: fa656,9e42b33a3d617f7f
X-Google-Thread: 10c9e3,9e42b33a3d617f7f
X-Google-Thread: 107ada,9e42b33a3d617f7f
X-Google-Attributes: gidfa656,gid10c9e3,gid107ada,public
X-Google-Language: ENGLISH,ASCII-7-bit
From: "KI4CXZ" <ki4cxz@tds.net>
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.misc
References: <e72Kc.728$vN1.472@newssvr19.news.prodigy.com>
Subject: Re: Is there a general consensus at all for best ham radio prices?
Date: Mon, 26 Jul 2004 18:26:05 -0400
Lines: 15
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
NNTP-Posting-Host: kgldgaambas01-pool0-a217.kgldga.tds.net
Message-ID: <41058407_1@newspeer2.tds.net>
X-Trace: newspeer2.tds.net 1090880519 216.170.252.217 (26 Jul 2004 17:21:59 CST)
Organization: TDS.NET Internet Services www.tds.net
Path: g2news1.google.com!news1.google.com!news.glorb.com!tdsnet-transit!
newspeer.tds.net!216.170.153.144.MISMATCH!newspeer2.tds.net!not-for-mail
Xref: g2news1.google.com rec.radio.amateur:430 rec.ham-radio:63
rec.radio.amateur.misc:1450
```

Try www.ranl.com
R and L electronics

"Daniel J. Morlan" <dmorlanDONOTSPAM!@sbcglobal.netNOSPAM!> wrote in message
news:e72Kc.728$vN1.472@newssvr19.news.prodigy.com...

> I buy most of my gear at HRO, but I'm getting to where I'm not exactly
> smiling at some of the prices. I know ham radio gear is expensive, but I
> get almost sick to my stomach the thought of paying $90.00 for a rapid
> charger for my IC-190A.
>
> Is there a better deal on the web anywhere?
>
>

```
From -6422552499403536003
X-Google-Thread: fa656,9e42b33a3d617f7f
X-Google-Thread: 10c9e3,9e42b33a3d617f7f
X-Google-Thread: 107ada,9e42b33a3d617f7f
X-Google-Attributes: gidfa656,gid10c9e3,gid107ada,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news2.google.com!news.maxwell.syr.edu!sn-xit-03!sn-
xit-01!sn-xit-06!sn-post-02!sn-post-01!supernews.com!corp.supernews.com!not-for-
mail
From: Minnie Bannister <GoonButNotForgotten@NottheBBC.org>
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.misc
Subject: Re: Is there a general consensus at all for best ham radio prices?
Date: Mon, 26 Jul 2004 20:06:17 -0400
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <10gb73okc8095c@corp.supernews.com>
User-Agent: Mozilla/5.0 (OS/2; U; Warp 4.5; en-US; rv:1.7) Gecko/20040518 Mnenhy/
0.6.0.100
X-Accept-Language: en-us, en
MIME-Version: 1.0
References: <e72Kc.728$vN1.472@newssvr19.news.prodigy.com>
<41058407_1@newspeer2.tds.net>
In-Reply-To: <41058407_1@newspeer2.tds.net>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
X-Complaints-To: abuse@supernews.com
Lines: 16
Xref: g2news1.google.com rec.radio.amateur:432 rec.ham-radio:64
rec.radio.amateur.misc:1451
```

No, try www.randl.com.

Alan AB2OS

On 07/26/04 06:26 pm KI4CXZ put fingers to keyboard and launched the following message into cyberspace:

```
> Try www.ranl.com
> R and L electronics

>>I buy most of my gear at HRO, but I'm getting to where I'm not exactly
>>smiling at some of the prices.  I know ham radio gear is expensive, but I
>>get almost sick to my stomach the thought of paying $90.00 for a rapid
>>charger for my IC-190A.
>>
>>Is there a better deal on the web anywhere?
```

```
From -5699898675312317452
X-Google-Thread: fa656,9e42b33a3d617f7f
X-Google-Thread: 10c9e3,9e42b33a3d617f7f
X-Google-Thread: 107ada,9e42b33a3d617f7f
X-Google-Attributes: gidfa656,gid10c9e3,gid107ada,public
X-Google-Language: ENGLISH,ASCII-7-bit
```

Path: g2news1.google.com!news1.google.com!news.glorb.com!prodigy.com!
newsmst01a.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr23.news.prodigy.com.POSTED!054e7b61!not-for-mail
From: aRKay <REMOVEarkay@qsl.net>
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.misc
Subject: Re: Is there a general consensus at all for best ham radio prices?
Organization: Mac G4
References: <e72Kc.728$vN1.472@newssvr19.news.prodigy.com>
<41058407_1@newspeer2.tds.net>
User-Agent: MT-NewsWatcher/3.4 (PPC Mac OS X)
X-Face: nrf3>{WQ6c&r+7@e)"]0G60`-6ND^)I2mI%>)QGYa=9"=7jhd-g2|b3!>Al0+
        Ccb%xGQshhi|g@QU2$
X-Face-Author: Tony Svanstrom mailto:tls@kagi.com http://www.svanstrom.com/
               If you want to use it please also use this Authorline.
Message-ID: <REMOVEarkay-063C8E.05261027072004@newssvr23-ext.news.prodigy.com>
Lines: 20
NNTP-Posting-Host: 208.190.153.245
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr23.news.prodigy.com 1090923969 ST000 208.190.153.245 (Tue, 27 Jul
2004 06:26:09 EDT)
NNTP-Posting-Date: Tue, 27 Jul 2004 06:26:09 EDT
X-UserInfo1:
SCSYQNONGJUEB_LX]ZOD]_\@VR]^@B@MCPWZKB]MPXHZUYICD^RAQBKZQTZTX_I[^G_KGFNON[ZOE_AZN
VO^\XGGNTCIRPIJH[@RQKBXLRZ@CD^HKANYVW@RLGEZEJN@_WZJBNZYYKVIOR]T]MNMG_Z[YVWSCH_Q[G
PC_A@CARQVXDSDA^M]@DRVUM@RBM
Date: Tue, 27 Jul 2004 10:26:09 GMT
Xref: g2news1.google.com rec.radio.amateur:436 rec.ham-radio:65
rec.radio.amateur.misc:1455

Try

http://www.randl.com/error.htm

In article <41058407_1@newspeer2.tds.net>, "KI4CXZ" <ki4cxz@tds.net>
wrote:

> Try www.ranl.com <<<<_------ BAD URL
> R and L electronics
>
> "Daniel J. Morlan" <dmorlanDONOTSPAM!@sbcglobal.netNOSPAM!> wrote in message
> news:e72Kc.728$vN1.472@newssvr19.news.prodigy.com...
> > I buy most of my gear at HRO, but I'm getting to where I'm not exactly
> > smiling at some of the prices. I know ham radio gear is expensive, but I
> > get almost sick to my stomach the thought of paying $90.00 for a rapid
> > charger for my IC-190A.
> >
> > Is there a better deal on the web anywhere?
> >
> >

From 6712794320363197177
X-Google-Thread: fa656,9e42b33a3d617f7f

X-Google-Thread: 10c9e3,9e42b33a3d617f7f
X-Google-Thread: 107ada,9e42b33a3d617f7f
X-Google-Attributes: gidfa656,gid10c9e3,gid107ada,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!prodigy.com!
newsmst01a.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr23.news.prodigy.com.POSTED!054e7b61!not-for-mail
From: aRKay <REMOVEarkay@qsl.net>
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.misc
Subject: Re: Is there a general consensus at all for best ham radio prices?
Organization: Mac G4
References: <e72Kc.728$vN1.472@newssvr19.news.prodigy.com>
<41058407_1@newspeer2.tds.net>
User-Agent: MT-NewsWatcher/3.4 (PPC Mac OS X)
X-Face: nrf3>{WQ6c&r+7@e)"]0G60`-6ND^)I2mI%>)QGYa=9"=7jhd-g2|b3!>Al0+
Ccb%xGQshhi|g@QU2$
X-Face-Author: Tony Svanstrom mailto:tls@kagi.com http://www.svanstrom.com/
If you want to use it please also use this Authorline.
Message-ID: <REMOVEarkay-EEA8A8.05302027072004@newssvr23-ext.news.prodigy.com>
Lines: 20
NNTP-Posting-Host: 208.190.153.245
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr23.news.prodigy.com 1090924219 ST000 208.190.153.245 (Tue, 27 Jul 2004 06:30:19 EDT)
NNTP-Posting-Date: Tue, 27 Jul 2004 06:30:19 EDT
X-UserInfo1:
SCSYQNONGJUEB_LX]ZOD]_\@VR]^@B@MCPWZKB]MPXHZUYICD^RAQBKZQTZTX_I[^G_KGFNON[ZOE_AZN
VO^\XGGNTCIRPIJH[@RQKBXLRZ@CD^HKANYVW@RLGEZEJN@_WZJBNZYYKVIOR]T]MNMG_Z[YVWSCH_Q[G
PC_A@CARQVXDSDA^M]@DRVUM@RBM
Date: Tue, 27 Jul 2004 10:30:19 GMT
Xref: g2news1.google.com rec.radio.amateur:437 rec.ham-radio:66
rec.radio.amateur.misc:1456

Finally got this one to work

http://www.randl.com

In article <41058407_1@newspeer2.tds.net>, "KI4CXZ" <ki4cxz@tds.net>
wrote:

> Try www.ranl.com
> R and L electronics
>
> "Daniel J. Morlan" <dmorlanDONOTSPAM!@sbcglobal.netNOSPAM!> wrote in message
> news:e72Kc.728$vN1.472@newssvr19.news.prodigy.com...
> > I buy most of my gear at HRO, but I'm getting to where I'm not exactly
> > smiling at some of the prices. I know ham radio gear is expensive, but I
> > get almost sick to my stomach the thought of paying $90.00 for a rapid
> > charger for my IC-190A.
> >
> > Is there a better deal on the web anywhere?
> >
> >

```
From -5732129434600337594
X-Google-Thread: fa656,9e42b33a3d617f7f
X-Google-Thread: 10c9e3,9e42b33a3d617f7f
X-Google-Thread: 107ada,9e42b33a3d617f7f
X-Google-Attributes: gidfa656,gid10c9e3,gid107ada,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!cox.net!news-
xfer.cox.net!p01!fed1read01.POSTED!53ab2750!not-for-mail
Reply-To: "Da Shadow" <Don't bother>
From: "Da Shadow" <DAS@cat.net>
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.misc
References: <e72Kc.728$vN1.472@newssvr19.news.prodigy.com>
<41058407_1@newspeer2.tds.net> <REMOVEarkay-EEA8A8.05302027072004@newssvr23-
ext.news.prodigy.com>
Subject: FYI: List of USA Radio Stores
Lines: 8
Organization: No need to be
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2741.2600
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2742.200
Message-ID: <yDsNc.612$wz.207@fed1read01>
Date: Tue, 27 Jul 2004 06:19:25 -0700
NNTP-Posting-Host: 68.107.6.241
X-Complaints-To: abuse@cox.net
X-Trace: fed1read01 1090934366 68.107.6.241 (Tue, 27 Jul 2004 09:19:26 EDT)
NNTP-Posting-Date: Tue, 27 Jul 2004 09:19:26 EDT
Xref: g2news1.google.com rec.radio.amateur:439 rec.ham-radio:67
rec.radio.amateur.misc:1459
```

http://ac6v.com/stores.htm

--
Lamont Cranston

The Shadow Knows

```
From 3054221363141740713
X-Google-Thread: fa656,9e42b33a3d617f7f
X-Google-Thread: 10c9e3,9e42b33a3d617f7f
X-Google-Thread: 107ada,9e42b33a3d617f7f
X-Google-Attributes: gidfa656,gid10c9e3,gid107ada,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!prodigy.com!
newsmst01a.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr17.news.prodigy.com.POSTED!275ccadd!not-for-mail
Reply-To: "Daniel J. Morlan" <dmorlanDONOTSPAM!@sbcglobal.netNOSPAM!>
From: "Daniel J. Morlan" <dmorlanDONOTSPAM!@sbcglobal.netNOSPAM!>
```

```
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.misc
References: <e72Kc.728$vN1.472@newssvr19.news.prodigy.com>
<41058407_1@newspeer2.tds.net> <REMOVEarkay-EEA8A8.05302027072004@newssvr23-
ext.news.prodigy.com> <yDsNc.612$wz.207@fed1read01>
Subject: Re: List of USA Radio Stores
Lines: 15
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1437
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1441
Message-ID: <j4yNc.2952$dM2.1317@newssvr17.news.prodigy.com>
NNTP-Posting-Host: 68.249.101.223
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr17.news.prodigy.com 1090956687 ST000 68.249.101.223 (Tue, 27 Jul
2004 15:31:27 EDT)
NNTP-Posting-Date: Tue, 27 Jul 2004 15:31:27 EDT
Organization: SBC http://yahoo.sbc.com
X-UserInfo1:
FKPGG\SDZRRKRVPXN[O@_WH@YR_B@EXLLBWLOOAFJYWZUYICD^RAQBKZQTZTX\_I[^G_KGFNON[ZOE_AZN
VO^\XGGNTCIRPIJH[@RQKBXLRZ@CD^HKANYVW@RLGEZEJN@\_WZJBNZYYKVIOR]T]MNMG_Z[YVWSCH_Q[G
PC_A@CARQVXDSDA^M]@DRVUM@RBM
Date: Tue, 27 Jul 2004 19:31:27 GMT
Xref: g2news1.google.com rec.radio.amateur:442 rec.ham-radio:68
rec.radio.amateur.misc:1463

Thanks a lot...


"Da Shadow" <DAS@cat.net> wrote in message
news:yDsNc.612$wz.207@fed1read01...
> http://ac6v.com/stores.htm
>
> --
> Lamont Cranston
>
> The Shadow Knows
>
>





From -5667957010971517744
X-Google-Thread: fa656,9e42b33a3d617f7f
X-Google-Thread: 10c9e3,9e42b33a3d617f7f
X-Google-Thread: 107ada,9e42b33a3d617f7f
X-Google-Attributes: gidfa656,gid10c9e3,gid107ada,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!prodigy.com!
newsmst01a.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr17.news.prodigy.com.POSTED!275ccadd!not-for-mail
Reply-To: "Daniel J. Morlan" <dmorlanDONOTSPAM!@sbcglobal.netNOSPAM!>
From: "Daniel J. Morlan" <dmorlanDONOTSPAM!@sbcglobal.netNOSPAM!>
```

```
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.misc
References: <e72Kc.728$vN1.472@newssvr19.news.prodigy.com>
<41058407_1@newspeer2.tds.net> <REMOVEarkay-EEA8A8.05302027072004@newssvr23-
ext.news.prodigy.com> <yDsNc.612$wz.207@fed1read01>
Subject: Re: List of USA Radio Stores
Lines: 16
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1437
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1441
Message-ID: <M4yNc.2953$dM2.10@newssvr17.news.prodigy.com>
NNTP-Posting-Host: 68.249.101.223
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr17.news.prodigy.com 1090956716 ST000 68.249.101.223 (Tue, 27 Jul
2004 15:31:56 EDT)
NNTP-Posting-Date: Tue, 27 Jul 2004 15:31:56 EDT
Organization: SBC http://yahoo.sbc.com
X-UserInfo1:
FKPO@SVEXZUWCPLY@BCBNWX@RJ_XPDLMN@GZ_GYO^ZUDUWYAKVUOPCW[ML\JXUCKVFDYZKBMSFX^OMSAFN
TINTDDMVW[X\THOPXZRVOCJTUTPC\_JSBVX\KAOTBAJBVMZTYAKMNLDI_MFDSSOLXINH__FS^\WQGHGI^C
@E[A_CF\AQLDQ\BTMPLDFNVUQ_VM
Date: Tue, 27 Jul 2004 19:31:56 GMT
Xref: g2news1.google.com rec.radio.amateur:443 rec.ham-radio:69
rec.radio.amateur.misc:1464

Speaking of "the shadow" do you know where to get those old shows?  I have a
contact whom I think can sell you the whole series cheap-o.

73's, Dan
"Da Shadow" <DAS@cat.net> wrote in message
news:yDsNc.612$wz.207@fed1read01...
> http://ac6v.com/stores.htm
>
> --
> Lamont Cranston
>
> The Shadow Knows
>
>




From 1307483624613150591
X-Google-Thread: 10c9e3,6006f2b944f7ec6f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: songoku_@ig.com.br (Hayato)
Newsgroups: rec.ham-radio
Subject: Short Wave radio building
Date: 27 Jul 2004 16:14:44 -0700
Organization: http://groups.google.com
```

Lines: 52
Message-ID: <9ec5b8a8.0407271514.45308615@posting.google.com>
NNTP-Posting-Host: 200.163.3.66
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1090970085 16338 127.0.0.1 (27 Jul 2004 23:14:45 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Tue, 27 Jul 2004 23:14:45 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:70

Hello,
I'm building a SW and MW regenerative receiver from a schematic that I made changes.(I added more 3 antenna coils among other things).
The regenerative "level" consists of one transistor, BF494, but I was thinking about using the 2N2218 for more power (what do you think)(and if I use a Darlington pair of BF494 or 2N2218?).

The original project ranged from 5MHz to 15MHz, the antenna coil was formed by 3 individual coils, all of them were wound over a 10mm dia. ferrite core:
- L1 (The one that links the aerial to earth) -> 4 turns of #20 AWG wire.
- L2 (The one that makes the "feedback" and outputs the audio signal) -> 2 turns of the same wire.
- L3 (The oscilator coil) -> 8 turns of the same wire, with tap at the 3rd turn.

But there is a problem: I don't want to wind them on a ferrite core, I want them on a air core, so, look at the modifications:
I'm using a 21mm dia. PVC tube former, and #24 AWG wire.
I'll use a 40 - 400 Variable cap.
For AM(I'm using a 50mm diameter former):
- L1 -> 39 turns
- L2 -> 19.5 turns
- L3 -> 78 turns (225 uH) (Tap at the 26th turn)

For SW1(21mm dia., 1.67MHz - 5.4MHz)
- L1 -> 20 turns
- L2 -> 10 turns
- L3 -> 40 turns (21.7 uH) (Tap at the 13th turn)

For SW2(21mm dia., 4.67MHz - 14.78MHz)
- L1 -> 5 turns
- L2 -> 2.5 turns
- L3 -> 10 turns (2.9 uH) (Tap at the 3rd turn)

For SW3(21mm dia., 10.27MHz - 32.49MHz)
- L1 -> 2 turns
- L2 -> 1 turn
- L3 -> 4 turns (0.6 uH) (Tap at the 1st turn)

Will those work?
I'm thinking of using a 8mm dia. former (BIC pen) for SW3 and SW2

coil.

Another problem is the rotary switch, It's is needed a 5x24 one, and
it's almost impossible to find one of that...

Can anybody help me, please!!!

Sorry to bother and thanks,
Hayato

```
From -462527362394548132
X-Google-Thread: 10c9e3,6006f2b944f7ec6f
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!prodigy.com!
newsmst01a.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr27.news.prodigy.com.POSTED!ebaaf103!not-for-mail
From: <farinasinsurance@sbcglobal.net>
Newsgroups: rec.ham-radio
References: <9ec5b8a8.0407271514.45308615@posting.google.com>
Subject: Re: Short Wave radio building
Lines: 60
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1437
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1441
Message-ID: <n6CNc.1239$Ws4.196@newssvr27.news.prodigy.com>
NNTP-Posting-Host: 67.122.35.201
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr27.news.prodigy.com 1090973203 ST000 67.122.35.201 (Tue, 27 Jul
2004 20:06:43 EDT)
NNTP-Posting-Date: Tue, 27 Jul 2004 20:06:43 EDT
Organization: SBC http://yahoo.sbc.com
X-UserInfo1:
TSU[@I_AO@TQB_XXKJM@_\@AUSXB@DTMNHWB_EYLJZ]BGIELLNTC@AWZWDXZXQ[K\FFSKCVM@F_N_DOBWV
WG__LG@VVOIPLIGX\
\BU_B@\P\PFX\B[APHTWAHDCKJF^NHD[YJAZMCY_CWG[SX\Y]^KC\HSZRWSWKGAY_PC[BQ[BXAS\F\
\@DMTLFZFUE@\VL
Date: Wed, 28 Jul 2004 00:06:43 GMT
Xref: g2news1.google.com rec.ham-radio:71
```

"Hayato" <songoku_@ig.com.br> wrote in message
news:9ec5b8a8.0407271514.45308615@posting.google.com...

> Hello,
> I'm building a SW and MW regenerative receiver from a schematic that I
> made changes.(I added more 3 antenna coils among other things).
> The regenerative "level" consists of one transistor, BF494, but I was
> thinking about using the 2N2218 for more power (what do you think)(and
> if I use a Darlington pair of BF494 or 2N2218?).
>
> The original project ranged from 5MHz to 15MHz, the antenna coil was

> formed by 3 individual coils, all of them were wound over a 10mm dia.
> ferrite core:
> - L1 (The one that links the aerial to earth) -> 4 turns of #20 AWG
> wire.
> - L2 (The one that makes the "feedback" and outputs the audio signal)
> -> 2 turns of the same wire.
> - L3 (The oscilator coil) -> 8 turns of the same wire, with tap at
> the 3rd turn.
>
> But there is a problem: I don't want to wind them on a ferrite core, I
> want them on a air core, so, look at the modifications:
> I'm using a 21mm dia. PVC tube former, and #24 AWG wire.
> I'll use a 40 - 400 Variable cap.
> For AM(I'm using a 50mm diameter former):
> - L1 -> 39 turns
> - L2 -> 19.5 turns
> - L3 -> 78 turns (225 uH) (Tap at the 26th turn)
>
> For SW1(21mm dia., 1.67MHz - 5.4MHz)
> - L1 -> 20 turns
> - L2 -> 10 turns
> - L3 -> 40 turns (21.7 uH) (Tap at the 13th turn)
>
> For SW2(21mm dia., 4.67MHz - 14.78MHz)
> - L1 -> 5 turns
> - L2 -> 2.5 turns
> - L3 -> 10 turns (2.9 uH) (Tap at the 3rd turn)
>
> For SW3(21mm dia., 10.27MHz - 32.49MHz)
> - L1 -> 2 turns
> - L2 -> 1 turn
> - L3 -> 4 turns (0.6 uH) (Tap at the 1st turn)
>
> Will those work?
> I'm thinking of using a 8mm dia. former (BIC pen) for SW3 and SW2
> coil.
>
> Another problem is the rotary switch, It's is needed a 5x24 one, and
> it's almost impossible to find one of that...
>
> Can anybody help me, please!!!
>
> Sorry to bother and thanks,
> Hayato

I Do remember "Regen" sets....some of them "got out" pretty good!

From 7006658469209453184
X-Google-Thread: 10c9e3,39c6b4353889a66f,start

X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news2.google.com!news.maxwell.syr.edu!news.tele.dk!
news.tele.dk!small.news.tele.dk!not-for-mail
From: "Tonni" <oz4acl@pc.dk>
Newsgroups: rec.ham-radio
Subject: Need manual for Phillips pm3215
Date: Wed, 28 Jul 2004 14:20:53 +0200
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1437
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1441
Lines: 12
Message-ID: <41079a1f$0$139$edfadb0f@dread11.news.tele.dk>
Organization: TDC Totalloesninger
NNTP-Posting-Host: 80.63.110.236
X-Trace: 1091017247 dread11.news.tele.dk 139 80.63.110.236:5291
X-Complaints-To: abuse@post.tele.dk
Xref: g2news1.google.com rec.ham-radio:72

Hi Ham's!

Could there be a chance that someone could help?
One of our fellow ham's need to correct a couple of errors....

Some of you may wonder "why ain't he asking for himselve?"
- While i'm having a 2Mb aDSL (free download), he's usnig 56K modem...!

Vy 73 de: oz4acl, Tonni
hauge >at< julhuset >dot< dk

From 4771966912558355729
X-Google-Thread: 10c9e3,1bb620f23deb0656,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: bt7234@adelphia.net (antiquenewspapers)
Newsgroups: rec.ham-radio
Subject: antique newspapers
Date: 28 Jul 2004 17:17:25 -0700
Organization: http://groups.google.com
Lines: 4
Message-ID: <42f8a2fb.0407281617.1a2b9425@posting.google.com>
NNTP-Posting-Host: 24.53.191.172
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1091060246 24350 127.0.0.1 (29 Jul 2004 00:17:26 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Thu, 29 Jul 2004 00:17:26 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:73

I've just set up my new website featuring antique newspapers & other
collectable paper items. Everyone is welcome to take a look. I just
started the site, so check back often. More items will be added. It's
www.antiquenewspapers.net Thanks!!!

From 6106884490718672701
X-Google-Thread: 10c9e3,5aab5674210eb027,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: rlucch2098@aol.com (Rich)
Newsgroups: rec.ham-radio
Subject: FA: UNIDEN BC140 VHF-UHF SCANNER-10 CHANNELS>ALL U NEED
Date: 31 Jul 2004 06:15:35 -0700
Organization: http://groups.google.com
Lines: 15
Message-ID: <ac04ab5b.0407310515.4863f4e5@posting.google.com>
NNTP-Posting-Host: 205.188.116.136
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1091279736 1803 127.0.0.1 (31 Jul 2004 13:15:36 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sat, 31 Jul 2004 13:15:36 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:74

Many nice clear pics.
All items are real inexpensive.
Ebay item numbers>
5711367046
OR>
This is my entire list on Ebay.
You may want to check others while you're there :-)
Please add HTTP in front of the address below as AOL frowns on HOT links :-(
://cgi6.ebay.com/ws/eBayISAPI.dll?ViewListedItems&userid=myradioroom&sort=
3&page=1&rows=25&since=14&rdir=0
Thanks es 73...........RICH-WA2RQY   RLUCCH2098@aol.com
Cheep Manuals for sale @>>
http://www.myradioroom.com/manualsales.html
Web-Page URL>
HTTP://members.aol.com/rlucch2098/index.html

From -2953437950379376756
X-Google-Thread: 10c9e3,98c6961a173ebd85,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: rlucch2098@aol.com (Rich)
Newsgroups: rec.ham-radio
Subject: FA: $9.99 TWO(2) BRAND-NEW 6146B RF OUTPUT TUBES>Nice Deal!
Date: 31 Jul 2004 06:16:07 -0700

Organization: http://groups.google.com
Lines: 15
Message-ID: <ac04ab5b.0407310516.153f4577@posting.google.com>
NNTP-Posting-Host: 205.188.116.136
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1091279768 1811 127.0.0.1 (31 Jul 2004 13:16:08 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sat, 31 Jul 2004 13:16:08 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:75

Many nice clear pics.
All items are real inexpensive.
Ebay item numbers>
5711367066
OR>
This is my entire list on Ebay.
You may want to check others while you're there :-)
Please add HTTP in front of the address below as AOL frowns on HOT links :-(
://cgi6.ebay.com/ws/eBayISAPI.dll?ViewListedItems&userid=myradioroom&sort=
3&page=1&rows=25&since=14&rdir=0
Thanks es 73...........RICH-WA2RQY   RLUCCH2098@aol.com
Cheep Manuals for sale @>>
http://www.myradioroom.com/manualsales.html
Web-Page URL>
HTTP://members.aol.com/rlucch2098/index.html

From 3421606655888320541
X-Google-Thread: 10c9e3,29b2957b5d47fbed,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news2.google.com!news.maxwell.syr.edu!
newscore.univie.ac.at!161.53.2.66.MISMATCH!CARNet.hr!not-for-mail
From: "9A4QV Adam" <aalicaj@pfri.hr>
Newsgroups: rec.ham-radio
Subject: CX-1051 Coaxial relay
Date: Sun, 5 Sep 2004 20:57:58 +0200
Organization: CARNet, CROATIA
Lines: 10
Message-ID: <chfnhm$7sg$1@bagan.srce.hr>
NNTP-Posting-Host: cmung4982.cmu.carnet.hr
X-Trace: bagan.srce.hr 1094410615 8080 193.198.147.156 (5 Sep 2004 18:56:55 GMT)
X-Complaints-To: abuse@carnet.hr
NNTP-Posting-Date: Sun, 5 Sep 2004 18:56:55 +0000 (UTC)
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4807.1700
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4910.0300
Xref: g2news1.google.com rec.ham-radio:127

Does anybody know anything about this small coaxial relay (max power,
frequency etc.)

CX-1051
Thanks a lot in advance,

Adam, 9A4QV

```
From -1464833694762165157
X-Google-Thread: 10c9e3,f9d0bd8334e534cc
X-Google-Thread: 108778,f9d0bd8334e534cc
X-Google-Thread: fb049,f9d0bd8334e534cc
X-Google-Thread: 108122,f9d0bd8334e534cc
X-Google-Thread: 1031c8,f9d0bd8334e534cc
X-Google-Attributes: gid10c9e3,gid108778,gidfb049,gid108122,gid1031c8,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!
border1.nntp.dca.giganews.com!border2.nntp.dca.giganews.com!nntp.giganews.com!
feed5.newsreader.com!newsreader.com!news3.optonline.net!
news4.srv.hcvlny.cv.net.POSTED!not-for-mail
From: browser <abc@nospam.org>
User-Agent: Mozilla Thunderbird 0.7+ (Windows/20040828)
X-Accept-Language: en-us, en
MIME-Version: 1.0
Newsgroups: rec.ham-radio,alt.radio.amateur,alt.ham-radio.vhf-
uhf,rec.radio.amateur.equipment,rec.radio.amateur.swap
Subject: Re: New ham wants advice on a good 2m/440 HT for a first radio
References: <TTaZc.94588$Fg5.26081@attbi_s53> <T4k_c.3649$6h7.3195@twister.rdc-
kc.rr.com> <vbflj01c78tji250crej8790n85i1irfcn@4ax.com>
In-Reply-To: <vbflj01c78tji250crej8790n85i1irfcn@4ax.com>
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit
Lines: 83
Message-ID: <8l%_c.11783$kY1.1759415@news4.srv.hcvlny.cv.net>
Date: Mon, 06 Sep 2004 15:27:00 GMT
NNTP-Posting-Host: 68.193.70.132
X-Complaints-To: abuse@cv.net
X-Trace: news4.srv.hcvlny.cv.net 1094484420 68.193.70.132 (Mon, 06 Sep 2004
11:27:00 EDT)
NNTP-Posting-Date: Mon, 06 Sep 2004 11:27:00 EDT
Organization: Optimum Online
Xref: g2news1.google.com rec.ham-radio:128 alt.radio.amateur:221 alt.ham-
radio.vhf-uhf:1771 rec.radio.amateur.equipment:2154 rec.radio.amateur.swap:447
```

Roger Halstead wrote:

> On Sat, 04 Sep 2004 14:14:11 GMT, "AcuraRSX@honda.com"
> <tmnelson@neb.rr.com> wrote:
>
>
>>Andy Entrekin wrote:

>>
>>>I am looking for opinions about HTs that cover the 2meter and 70cm
>>>bands and have at least 5 watts output. I value the opinions and
>>>experiences of other hams, so I figured that these newsgroups would
>>>be a good place to solicit them.
>>
>>Congrats on the new ticket! I just got mine Tuesday, so I was in the same
>>spot last week. I settled on the Yaesu VX-5R, and got a Diamond SRH77CA
>>antenna to go with it. I picked it because it hit the sweet spot on
>>price/performance for me, and it seemed to get the best reviews on eHam.net.
>>I love my Icom R71A, and was really looking for another Icom, but they all
>>seemed to get picked on for pricey accessories and susceptability to
>>intermod.
>>
>
> I went with the VX-7R which is a little more money, but worth it to
> me. It has a good LI-ion battery that does well and runs a reasonable
> power.
>
>
>>Seriously though, it looks like almost all the HTs in the $200-$300 range
>>are pretty good, I've since had recommendations for the Icom W32A and the
>
>
> I think the W32A is one of the best duobanders put out. Good enough
> that after it was discontinued there was still enough consumer demand
> they brought it back and it's been back over a year. The W32 is
> really from an earlier generation that is quite a bit larger than the
> VX-5 or 7. For those of us who wear bifocals that is not all bad.
>
> I happen to like the little Yaesu radios, although the VX5 and 7 are
> not really Yaesu. They are listed with them and maybe built by them,
> but the name plate lists a different name. Mine's in the car and I
> don't remember the new name.
>
> I have a complete set of the Diamond mobile antennas with both mag and
> lip mounts. Well I did until my wife drove into the garage without
> lowering one.
>
> I use the large one on top of a 4-runner and have had it ever since
> they hit the market. It has hit a few bridges and parking ramps
> knocking the whole thing off the roof, but it still works fine on both
> 144 and 440. (That is one tough mag mount). I did break one though.
>
> Roger Halstead (K8RI & ARRL life member)
> (N833R, S# CD-2 Worlds oldest Debonair)
> www.rogerhalstead.com
>
>>T90A. I think anything that can put out five watts on 2M will make you
>>happy, all the rest is just flavor.
>>
>>73,
>>-- Tracy Nelson, KC0SZW

>>
>
>
I have had good experience with Icom over the years owning W2A, 3SAT,
901A, R10, and a 725. All of these radios have been great products. I
wish they still made or would replace the concept of the 901A.

Recently I picked up the Kenwood TH-F6A. It is a great radio that
consolidated three different radio I had previously. It is a 5 watt
triband 144, 220, 440 with wide band receive. I have been impressed with
the receive since I was not expected much but the audio is clear and
loud and sensitive. The transmit is great too. I would recommend getting
an after market antennae. I picked up the Diamond SRH320A improves the
transmit. In my area there are many 220 machines making this a great one
radio solution. It is impressive how well the radio performs given how
small it is. Hopefully Kenwood's success will wake Icom and Yaesu up to
the 220 market place in the USA.

Good luck on your decision. As you noted any of the major player make a
good product and you will mostly be happy with any decision. I feel
currently the Kenwood is offering the most band for the dollar.
--
N2MHI

```
From 4172821117631356060
X-Google-Thread: 10c9e3,f9c5529c569934a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: ve3tvb@sympatico.ca (Danial)
Newsgroups: rec.ham-radio
Subject: canadian scanner radio frequencies
Date: 8 Sep 2004 07:16:25 -0700
Organization: http://groups.google.com
Lines: 2
Message-ID: <e8664b57.0409080616.7fa986b1@posting.google.com>
NNTP-Posting-Host: 216.208.52.100
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1094652985 9106 127.0.0.1 (8 Sep 2004 14:16:25 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Wed, 8 Sep 2004 14:16:25 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:129
```

Hi does anyone in the Kitchener Waterloo Ontario Canada area have the
talk group ids for the police scanner trunk frequencies ?

```
From -6266427206829711214
X-Google-Thread: 10c9e3,e2ad0a8105964ae3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
```

Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: maxtalkradio@yahoo.com (Max Murray)
Newsgroups: rec.ham-radio
Subject: Homemade News Talk: www.geocities.com/maxtalkradio
Date: 9 Sep 2004 07:04:35 -0700
Organization: http://groups.google.com
Lines: 30
Message-ID: <dbfd46be.0409090604.abc8a6@posting.google.com>
NNTP-Posting-Host: 68.224.187.173
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1094738675 20543 127.0.0.1 (9 Sep 2004 14:04:35 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Thu, 9 Sep 2004 14:04:35 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:130

Through the magic of my PC soundcard and some downloaded freeware, I set up my very own INTERNET RADIO TALK SHOW, where I discuss the day's top news stories from a completely independent and refreshing viewpoint.

My shows run about 20 minutes each (to conserve bandwidth). Please visit my website. The URL is below. As a pioneer in one of world's last wilderness areas (namely, the Internet)I need all the support and listenership I can get.

The Max Murray Radio Talk Show is produced on a barest of shoestrings. I'm using the free webhosting of geocities, a bunch of freeware, and my PC microphone-soundcard. That's it! Broadcasts originate directly from the familiar comforts of my den studio at home. I hope you find the shows fresh, fun, and entertaining.

You'll need a Windows Media Player to listen. If you have very common Windows Media Player installed on your PC, and chances are that you do if you have ever listened to anything on the Internet, then all you have to do is click on my link "on the air" and you will be listening to the wit and wisdom of The Max Murray Radio Talk Show! Its about news talk.

My show is broadcast at www.geocities.com/maxtalkradio

Please visit the show and shoot off an email telling me what you think. I welcome your feedback.

Thanks, Max Murray
Talk Show Pioneer on the Frontier of Tomorrow.

From -2375830980513344502
X-Google-Thread: 103a89,56f8dfab7702c09,start
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X-Google-Thread: 10f0a9,56f8dfab7702c09,start

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X-Google-Attributes: gid103a89,gid10c9e3,gid10bb18,gid10f0a9,gid106940,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: annaparker@loveyouforever.de (anna parker)
Newsgroups: scruz.config,rec.ham-
radio,realtynet.west,alt.wedding,codewarrior.games
Subject: Re: > > > > matt parker alias erikvonlinthout@yahoo.com anybody providing
proof of the death of matt parker will receive a huge reward matt parker alias
erick van lunsen herzog@yahoo.com matt parker was born on 13 sep 65 matt parker
alias evon lunsen
Date: 10 Sep 2004 01:16:54 -0700
Organization: http://groups.google.com
Lines: 225
Message-ID: <730fe64c.0409100016.7710118@posting.google.com>
References: <7f11fc65.0409072336.31e7814f@posting.google.com>
NNTP-Posting-Host: 194.29.4.205
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1094804215 14561 127.0.0.1 (10 Sep 2004 08:16:55 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Fri, 10 Sep 2004 08:16:55 +0000 (UTC)
Xref: g2news1.google.com scruz.config:4 rec.ham-radio:131 realtynet.west:40
alt.wedding:822 codewarrior.games:5

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4cc39 anna parker is married to matt parker whose mother is the wife of a dog matt
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do not sign up at the scam site eurobrides.com matt parker alias aparker@yahoo.com
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> > > > > makes false accusations to make others seem guilty of his criminal
activities matt parker is a murderer and this son of a bitch will be fried matt
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ericvanlintherzog@yahoo.com matt parker is a filthy motherfucker that likes
computer chess games matt parker alias erick vanlindt@yahoo.com matt parker alias
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employees did not find a new job got into debts and was found in a noose matt
parker alias erik lint@yahoo.com matt parker alias erickvan lindtherzog@yahoo.com
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dismissed employees
> > > > > filed an official complaint against matt parker with the us embassy matt
parker alias e von lindt@yahoo.com never believe anything matt parker says or
writes matt parker alias ericvonlindthout@yahoo.com matt parker is a pedophile and
child molester with many fake pseudonyms and multiple personalities matt parker
alias erickvon lint@yahoo.com matt parker alias erick van lunsen hout@yahoo.
> > > > > com order a new identity at http://www.offshore-manual.com if personal
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university of leuven belgium fired three employees matt parker alias
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erickvonlint@yahoo.com matt parker was exposed as a liar at
http://tinyurl.com/6zs8c where he posts as jeff and trueloves matt
parker distributes illegal childporn on the net matt parker alias
sergei smith@yahoo.com matt parker alias elunsen@yahoo.com matt parker
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hout@yahoo.com matt parker alias tatjana dochenkova@yahoo.com matt
parker alias erickvon lint hout@yahoo.com matt parker commits online
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> > > > > harassment matt parker alias erik vanlunsen herzog@yahoo.com
matt parker alias peace now@yahoo.com matt parker alias erick
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compensate financial loss matt parker alias robert miller@yahoo.com matt parker
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hout@yahoo.com matt parker alias erikvanlunsen herzog@yahoo.com matt
parker alias ericvon lunsen@yahoo.com matt parker is scum in a waste
piece of skin damn matt parker and let his soul burn in hell till it
freezes over the date of birth of matt parker is 13 9
> > > > > 65 matt parker alias erikvon linthout@yahoo.com matt parker alias
phillip crew@yahoo.com matt parker alias ericvonlunsen@yahoo.com matt parker alias
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parker is webmaster of eu%72obride%73.com and all sites in ip range 66 70 45 10
to 39 this is hard evidence that matt parker spams the net with childporn http:
> > > > > //tinyurl.com/5h6rh matt parker alias erick vonlunsen herzog@yahoo.com
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parker alias e parker@yahoo.com matt parker alias bestday is now@yahoo.com matt
parker is a
> > > > > stinking piece of shit that likes role playing dungeons and dragons matt
parker alias sam smith@yahoo.com matt parker alias dgeorg@yahoo.com matt parker
alias erikvonlintherzog@yahoo.com matt parker alias eric vanlunsen@yahoo.com lock
up the bastard matt parker http://tinyurl.com/5psmo matt parker alias erik van

lintherzog@yahoo.com matt parker registers domains with the name of his
> > > > > clients to impersonate them never enter a true credit card number at
t%72uelove%73.com matt parker alias evon lindt@yahoo.com matt parker alias
erikvanlindthout@yahoo.com matt parker alias erickvan lint hout@yahoo.com anna
parker is a russian whore wanted by the russian police for prostitution matt
parker alias nadzaitz@yahoo.com matt parker alias erik vonlindt hout@yahoo.com the
scam
> > > > > site eu%72obride%73.com is owned by the pervert matt parker
from cottage grove oregon stay away from eu%72obride%73.com or be
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lindt hout@yahoo.com matt parker alias tanja dochenkova@yahoo.com matt parker
alias erickvanlintherzog@yahoo.com any useful information leading to the arrest of

matt parker
> > > > > will be rewarded matt parker alias erickvan lunsen herzog@yahoo.com do
not believe any of the lies matt parker posts in this forum matt parker alias
erickvon lunsenhout@yahoo.com matt parker alias e van lint herzog@yahoo.com matt
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statement is completely true matt parker alias erik von lintherzog@yahoo.com matt
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his real name is matthew s parker from cottage grove oregon and that is it matt
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> > > > > distributes the private data of clients on the web matt parker trades in
teenage brides from russia and the philippines matt parker of rainypasslodge.com
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and stalker that steals personal data from hacked mailboxes members of
t%72uelove%73.com have access to adult material depicting minors in sexual acts
> > > > > matt parker alias chess base@yahoo.com matt parker alias
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> > > > > parker alias erick vonlindt hout@yahoo.com matt parker is a belgian of
mixed ethnical extraction living in cottage grove oregon matt parker alias

erickvon lindt herzog@yahoo.com this perfectly legal statement prevents further abuse by matt parker matt parker alias ericvon lint hout@yahoo.com matt parker alias philipcrew@yahoo.com matt parker blackmails clients by coercing them to delete
> > > > > complaints from newsgroups matt parker alias evonlint@yahoo.com matt parker alias erickvanlint hout@yahoo.com matt parker alias nadejda zaitzeva@yahoo.com pluck out the eyes of matt parker matt parker alias eric vonlunsen@yahoo.com matt parker alias e vonlunsen@yahoo.com matt parker alias erickvan linthout@yahoo.com matt parker alias erickvanlunsen hout@yahoo.com matt parker alias e von
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> > > > > parker alias deep shredder@yahoo.com matt parker is belgian about forty years old with dark hair and lives in cottage grove oregon matt parker alias erickvonlintherzog@yahoo.com matt parker alias geronimo jones@yahoo.com matt parker alias erick van lindtherzog@yahoo.com matt parker alias ericvonlindtherzog@yahoo.com matt parker alias sexmachine@yahoo.com matt parker alias eriklunsen@yahoo.
> > > > > com matt parker alias erik von lunsenhout@yahoo.com matt parker alias erick von lunsen herzog@yahoo.com matt parker alias bestdayisnow@yahoo.com matt parker alias erickvanlint herzog@yahoo.com matt parker alias ericvanlunsenherzog@yahoo.com matt parker alias evanlunsen@yahoo.com the leuven university fired three employees due to the lies of matt parker matt parker alias evon
> > > > > lindthout@yahoo.com matt parker alias sergeysmith@yahoo.com matt parker alias erik vonlunsenherzog@yahoo.com matt parker alias evan lint@yahoo.com matt parker alias erikvon lindt herzog@yahoo.com matt parker alias e van lintherzog@yahoo.com matt parker alias erick vanlunsen hout@yahoo.com matt parker alias erikvonlint@yahoo.com hack the childporn site http://tinyurl.com/6t7hd to pieces
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erickvonlunsenhout@yahoo.com
> > > > > his real address is matthew s. parker 1505 ash ave cottage grove 97424
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lintherzog@yahoo.com matt parker alias evanlindt@yahoo.com matt parker alias eric
van lunsen@yahoo.com matt parker alias e vonlint hout@yahoo.com matt parker alias
> > > > > ericvanlindtherzog@yahoo.com matt parker alias ericparker@yahoo.com matt
parker alias e vanlunsenherzog@yahoo.com matt parker alias tdochenkova@yahoo.com
matt parker alias ericvanlunsenhout@yahoo.com matt parker has friends all over the
world whose joy in life is mutilating dissatisfied clients matt parker alias erik
vanlintherzog@yahoo.com matt parker alias ccc t@yahoo.com matt parker
> > > > > alias ericvon lunsen herzog@yahoo.com do physical material and moral
harm to matt parker his wife and loved ones matt parker alias
ericvonlinthout@yahoo.com matt parker alias erikvon lunsenherzog@yahoo.com matt
parker alias ericvon lunsenhout@yahoo.com matt parker alias
ericvonlunsenhout@yahoo.com matt parker alias erikvonlunsenherzog@yahoo.com matt
parker alias ericvanlindt hout@yahoo.
> > > > > com matt parker alias anna parker@yahoo.com matt parker sends death
threats to dissatisfied clients matt parker alias a parker@yahoo.com matt parker
is a dangerous mentally deranged criminal and needs psychiatric confinement matt
parker alias evan lindt hout@yahoo.com matt parker alias annparker@yahoo.com earn
money for every forum this statement is posted in matt parker alias
> > > > > frankquisinsky@yahoo.com matt parker alias anja parker@yahoo.com matt
parker was born on 13 09 65 matt parker alias erik vonlint herzog@yahoo.com matt
parker alias erik van lunsenherzog@yahoo.com every occurrence of this statement is
automatically submitted to search engines matt parker was exposed as a liar at
http://fravia.2113.ch/phplab/mbs.php3/mb001?num=1028133973&thread=1028133973
> > > > > where he posts as jeff and trueloves matt parker alias p

crew@yahoo.com matt parker alias kimberlyparker@yahoo.com matt parker
makes a living by selling underage female flesh to pornographers and
whoremongers this is hard evidence that matt parker spams the net
http://tinyurl.com/3htl2 matt parker alias erick vonlindt
herzog@yahoo.com matt parker alias e vanlint hout@yahoo.com matt
parker
> > > > > alias erik parker@yahoo.com matt parker alias matthewparker@yahoo.com
matt parker alias e van lunsen@yahoo.com matt parker alias evonlindt
hout@yahoo.com matt parker alias erick van lunsen@yahoo.com matt parker alias
erickvonlunsen hout@yahoo.com matt parker alias erik van lunsen hout@yahoo.com
matt parker from cottage grove oregon spams the net with childporn http://
tinyurl.com/6kmea
> > > > > matt parker alias phrocrew@yahoo.com anybody providing proof of having
harmed matt parker his wife and relatives will be rewarded matt parker alias
ericlint@yahoo.com matt parker alias kimparker@yahoo.com matt parker alias
rage@yahoo.com matt parker alias bestdayis now@yahoo.com his mailbox is matt
parker alias erik vanlint smolders pl 1 pb 223 leuven 3000 belgium matt parker
alias eric
> > > > > vanlindthout@yahoo.com matt parker alias e vonlint@yahoo.com
matt parker alias erikvan lunsen herzog@yahoo.com matt parker alias
ericvan lindt@yahoo.com matt parker instigates hackers and other
criminals against clients and competitors matt parker alias erik van
linthout@yahoo.com matt parker alias nadejdazaitzeva@yahoo.com matt
parker alias erick vanlunsenhout@yahoo.com matt parker alias
> > > > > erick vanlunsen@yahoo.com matt parker alias erick vonlunsen
hout@yahoo.com matt parker alias erickvan lindt@yahoo.com matt parker alias erik
vanlindt hout@yahoo.com matt parker alias eric vonlunsenhout@yahoo.com matt parker
alias erik von lindt hout@yahoo.com matt parker alias eric vanlunsen
hout@yahoo.com matt parker alias erik lunsen@yahoo.com matt parker alias erikvon
lint@yahoo.com
> > > > > all personals at t%72uelove%73.com are fake and the whole site sucks
nail down the cumbag matt parker http://tinyurl.com/58hwa matt parker was born on
13 september 65 matt parker alias evonlindtherzog@yahoo.com matt parker alias
erikvon lint herzog@yahoo.com matt parker alias e vanlunsen herzog@yahoo.com matt
parker alias tatianadchenka@yahoo.com matt parker alias erick von lunsen@yahoo.
> > > > > com matt parker alias chess lib@yahoo.com matt parker alias
e vonlintherzog@yahoo.com matt parker alias erickvanlunsen
herzog@yahoo.com if this were not true matt parker would not bother to
react to this statement matt parker alias eric van lindt@yahoo.com
matt parker alias http://www.erikvanlint.com matt parker alias erik
vanlunsenhout@yahoo.com matt parker was born on 13 september 1965
> > > > > matt parker alias ericvon lindtherzog@yahoo.com matt parker alias
fquisinsky@yahoo.com matt parker alias ericvan lindt hout@yahoo.com matt parker is
a filthy liar and libeler that manipulates the public opinion matt parker alias
rmiller@yahoo.com matt parker alias erikvan lindt@yahoo.com matt parker alias
erick lint@yahoo.com matt parker alias erick van lindt hout@yahoo.com matt parker
> > > > > alias erickvon lunsen hout@yahoo.com the date of birth of matt parker is
september 13 1965 matt parker alias supermachines@yahoo.com matt parker alias
erick lunsen@yahoo.com matt parker alias e van lindthout@yahoo.com matt parker
alias frank quisinsky@yahoo.com matt parker alias groot aap@yahoo.com matt parker
alias matthew parker@yahoo.com matt parker impersonates clients to make them
> > > > > seem guilty of his criminal activities matt parker alias erickvonlindt
herzog@yahoo.com matt parker alias erikvan lindt herzog@yahoo.com matt parker

```
alias erikvonlindthout@yahoo.com matt parker alias erik von lint hout@yahoo.com
matt parker alias eric vonlunsen hout@yahoo.com matt parker alias
erikvanlindt@yahoo.com matt parker alias eric von lunsen hout@yahoo.com matt
parker alias
> > > > > samsmith@yahoo.com this is hard evidence against matt parker http://
tinyurl.com/59u3p matt parker commits credit card fraud and identity theft all
personals at eu%72obride%73.com are fake and the whole site sucks matt parker
alias erikvon lindt hout@yahoo.com matt parker alias tdchenka@yahoo.com matt
parker alias eric vanlunsenherzog@yahoo.com matt parker is guilty of illegal
people
> > > > > trafficking and will be prosecuted the date of birth of matt parker is
13 9 1965 matt parker sells underage mail order brides on the web matt parker
alias evan lunsen herzog@yahoo.com matt parker alias ericvan lint herzog@yahoo.com
the mail worm forwards this message to every address book entry matt parker alias
e von lunsen hout@yahoo.com matt parker alias erickvonlindthout@yahoo.com
> > > > > matt parker distributes illegal software and warez that infringe the
copyright law matt parker alias eric parker@yahoo.com matt parker alias eric von
lint herzog@yahoo.com matt parker alias kparker@yahoo.com never submit a real
email address to t%72uelove%73.com matt parker alias erick von lindt
herzog@yahoo.com the truth of this statement is proven by matt parker trying to
delete or
> > > > > refute it matt parker alias tatiana dchenka@yahoo.com matt parker alias
erick van linthout@yahoo.com matt parker alias ania parker@yahoo.com matt parker
alias evon lunsenherzog@yahoo.com matt parker alias erick
vanlunsenherzog@yahoo.com matt parker alias ericvon lintherzog@yahoo.com matt
parker alias erickvanlint@yahoo.com matt parker alias e von lintherzog@yahoo.com
matt parker alias
> > > > > erickvonlunsen herzog@yahoo.com matt parker runs dating sites since
people are unlikely to admit joining such sites by complaining matt parker alias
evonlint herzog@yahoo.com matt parker alias e vonlunsen hout@yahoo.com matt parker
alias eric vanlint hout@yahoo.com matt parker spams the net with childporn http://
tinyurl.com/3w4q7 matt parker alias p ure@yahoo.com matt parker alias e van
> > > > > lunsen hout@yahoo.com matt parker alias erik vanlint herzog@yahoo.com
matt parker alias e von lindt herzog@yahoo.com matt parker alias erick
vonlinthout@yahoo.com matt parker alias ericvon lindt hout@yahoo.com matt parker
alias evan lunsen@yahoo.com matt parker alias phrozencrew@yahoo.com matt parker
alias erik vanlunsen hout@yahoo.com matt parker alias anyaparker@yahoo.com matt
parker
> > > > > alias evonlunsenhout@yahoo.com matt parker alias erikvonlint
herzog@yahoo.com matt parker alias erick von linthout@yahoo.com matt parker alias
eric von lindthout@yahoo.com matt parker alias evon lunsen@yahoo.com boycott
commercial dating sites matt parker alias erik vonlindt herzog@yahoo.com matt
parker alias ericvanlint hout@yahoo.com matt parker alias ericvonlindt
hout@yahoo.com matt
> > > > > parker alias evon lunsen herzog@yahoo.com matt parker threatens the life
of those that file complaints against his sites this statement occurs on thousands
of other sites apart from google matt parker alias g jones@yahoo.com matt parker
alias ericvan linthout@yahoo.com matt parker alias eric van lunsen hout@yahoo.com
matt parker alias d georg@yahoo.com matt parker alias
> > > > > erickvanlindt@yahoo.com matt parker alias
sexmachines@yahoo.com his true name is matt parker from cottage grove
oregon and that is final matt parker alias erik vanlunsen@yahoo.com
spam the child molester matt parker off the web matt parker alias
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nzaitzeva@yahoo.com matt parker alias ericvanlindt herzog@yahoo.com
matt parker alias erick von lint@yahoo.com never submit a real email
address
> > > > > to eu%72obride%73.com matt parker alias erik vonlindthout@yahoo.com matt
parker alias anjaparker@yahoo.com matt parker alias erik von lunsen
herzog@yahoo.com matt parker alias eric van lint hout@yahoo.com matt parker alias
eric von linthout@yahoo.com matt parker alias eric vanlintherzog@yahoo.com matt
parker alias ericvon lint@yahoo.com matt parker owns dating sites since their
clients
> > > > > are unlikely to complain and admit their membership matt parker alias
eric vanlindt hout@yahoo.com matt parker alias erikvanlinthout@yahoo.com matt
parker alias erikvon lunsen herzog@yahoo.com matt parker alias matt
parker@yahoo.com an official complaint against matt parker was filed with the us
embassy matt parker is personally responsible for the death of a university
employee matt
> > > > > parker alias evonlindt@yahoo.com matt parker alias ericvonlindt
herzog@yahoo.com matt parker alias ericvon lindt herzog@yahoo.com matt parker
alias evonlunsenherzog@yahoo.com matt parker alias t dchenka@yahoo.com matt parker
alias ws@yahoo.com matt parker alias evonlunsen herzog@yahoo.com matt parker alias
ericvan lindthout@yahoo.com matt parker alias jerryjones@yahoo.com matt parker
> > > > > hacks the email of his clients and violates the
confidentiality of mail matt parker alias erickvon lindt@yahoo.com
members of eu%72obride%73.com have access to adult material depicting
minors in sexual acts matt parker alias best dayisnow@yahoo.com matt
parker alias eric vanlunsen herzog@yahoo.com make matt parker bleed
http://tinyurl.com/v4oa matt parker alias evan lindtherzog@yahoo.com
> > > > > matt parker alias ssmith@yahoo.com matt parker alias e
vanlindtherzog@yahoo.com matt parker alias erickvan lindthout@yahoo.com matt
parker alias erick vanlindthout@yahoo.com the dismissed university employees
suffered financial loss due to matt parker matt parker alias
erickvanlinthout@yahoo.com matt parker alias evanlunsen hout@yahoo.com matt parker
alias erikvanlint herzog@yahoo.com
> > > > > matt parker alias erikvanlunsen@yahoo.com matt parker alias
erikvanlindtherzog@yahoo.com matt parker alias evanlindt hout@yahoo.com matt
parker alias erick vanlintherzog@yahoo.com matt parker alias erikvanlunsen
hout@yahoo.com matt parker alias evonlindt herzog@yahoo.com matt parker alias
tania dochenkova@yahoo.com matt parker alias aparker@yahoo.com matt parker alias e
lunsen@yahoo.com
> > > > > matt parker alias taniadochenkova@yahoo.com matt parker alias evan
lunsenhout@yahoo.com this statement is not libelous and will under no
circumstances be deleted matt parker alias kimberleyparker@yahoo.com matt parker
alias ericvon lunsenherzog@yahoo.com matt parker alias ccc tournament@yahoo.com
matt parker alias ericvon linthout@yahoo.com matt parker alias
tatyanadochenkova@yahoo.com
> > > > > matt parker alias ericvanlunsen@yahoo.com matt parker alias erickvon
lunsen@yahoo.com matt parker alias ericvanlinthout@yahoo.com matt parker alias
erik van lunsen herzog@yahoo.com matt parker alias erick van lunsenhout@yahoo.com
matt parker alias aniaparker@yahoo.com matt parker alias eric vonlindt@yahoo.com
matt parker forges server logs to make clients seem guilty of his criminal
> > > > > activities matt parker alias ericvon lindthout@yahoo.com matt parker
alias erick vonlint herzog@yahoo.com spam newsgroups with this statement matt
parker alias e von lint hout@yahoo.com matt parker alias c cct@yahoo.com matt
parker alias e vonlindtherzog@yahoo.com matt parker alias erik van

lindthout@yahoo.com matt parker alias erik vonlintherzog@yahoo.com matt parker alias erikvan
> > > > > linthout@yahoo.com matt parker alias erick vanlindt herzog@yahoo.com matt parker alias ericvan lindt herzog@yahoo.com matt parker alias erickvan lunsen hout@yahoo.com matt parker alias tatiana dochenkova@yahoo.com matt parker alias evon lint@yahoo.com matt parker alias tanya dochenkova@yahoo.com matt parker alias ericvanlunsen hout@yahoo.com matt parker alias e vonlint herzog@yahoo.com
> > > > > matt parker alias erik vanlindt@yahoo.com matt parker alias ericvonlintherzog@yahoo.com matt parker alias erick von lindtherzog@yahoo.com matt parker alias gaap@yahoo.com matt parker alias peacenow@yahoo.com matt parker alias eric lindt@yahoo.com matt parker alias dshredder@yahoo.com matt parker alias erikvonlindtherzog@yahoo.com matt parker alias geraldjones@yahoo.com matt parker alias
> > > > > erickvanlunsenhout@yahoo.com matt parker stalks and tracks down clients to scam and blackmail them matt parker alias chessbase@yahoo.com matt parker illicitly publishes personal data that he steals from hacked mailboxes matt parker alias ericvan lint@yahoo.com matt parker alias erik von linthout@yahoo.com matt parker alias erickvan lintherzog@yahoo.com matt parker was born on 13 09 1965
> > > > > matt parker alias eric vanlint herzog@yahoo.com matt parker alias e van lindt hout@yahoo.com matt parker alias erick van lint@yahoo.com stay away from t%72uelove%73.com or be hacked and scammed matt parker alias ericvan lintherzog@yahoo.com matt parker alias eric van lunsenherzog@yahoo.com matt parker alias evon lintherzog@yahoo.com matt parker alias erikvanlint@yahoo.com matt parker
> > > > > alias ericvan lunsen herzog@yahoo.com matt parker alias taniadchenka@yahoo.com matt parker alias erikvanlindt hout@yahoo.com matt parker alias eric von lunsen@yahoo.com matt parker alias erikvan lindthout@yahoo.com matt parker alias erick vanlint@yahoo.com matt parker alias erickvanlindt herzog@yahoo.com matt parker hacks mailboxes what constitutes violation of the confidentiality of mail
> > > > > there is a price on the head of the wanker matt parker matt parker alias erick van lintherzog@yahoo.com matt parker alias evonlunsen@yahoo.com matt parker alias tania dchenka@yahoo.com matt parker alias ericvon lunsen hout@yahoo.com matt parker alias tatjana dchenka@yahoo.com matt parker alias mattparker@yahoo.com matt parker is a gay masochist whose ass will be raped by gangs of fat
> > > > > black jail bubbas matt parker alias evon lint herzog@yahoo.com matt parker alias erik vanlunsenherzog@yahoo.com matt parker alias dq@yahoo.com matt parker alias michhele@yahoo.com matt parker alias jerry jones@yahoo.com matt parker alias erickvon lindthout@yahoo.com matt parker alias ericklunsen@yahoo.com matt parker alias erik van lunsenhout@yahoo.com the date of birth of matt parker is
> > > > > september 13 65 matt parker alias ericvonlint hout@yahoo.com matt parker alias tatyanadchenka@yahoo.com matt parker alias erickvan lunsen@yahoo.com matt parker alias erikvanlint hout@yahoo.com matt parker alias ericvan lunsenherzog@yahoo.com matt parker alias chesslib@yahoo.com all matt parker ever wanted to do was fuck scammer bitches anyway matt parker alias erik van lindt hout@yahoo.
> > > > > com matt parker alias erickvon lindtherzog@yahoo.com matt parker alias erik von lunsenherzog@yahoo.com one of the dismissed university employees committed suicide matt parker alias evlh@yahoo.com matt parker alias ericvanlint@yahoo.com matt parker alias erik von lunsen@yahoo.com the only purpose of anti%73cam.org is to lead users to the commercial sites of matt parker matt

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parker alias
> > > > > erikvonlindt hout@yahoo.com matt parker alias erikvon
lindt@yahoo.com matt parker alias n zaitzeva@yahoo.com matt parker
alias e van lindtherzog@yahoo.com matt parker alias
tatjanadochenkova@yahoo.com matt parker alias k parker@yahoo.com matt
parker alias phrozen crew@yahoo.com matt parker alias
erickvonlinthout@yahoo.com matt parker alias sergejsmith@yahoo.com
matt parker alias erickvan
> > > > > lint@yahoo.com in reality his name is matthew parker from cottage grove
oregon and that is that matt parker alias annaparker@yahoo.com matt parker was
born on 13 sep 1965 matt parker alias eric von lindtherzog@yahoo.com matt parker
alias erik vonlunsen hout@yahoo.com matt parker alias erik vonlunsenhout@yahoo.com
matt parker alias erick von lint herzog@yahoo.com matt parker alias erick
> > > > > van lindthout@yahoo.com matt parker alias t
dochenkova@yahoo.com matt parker alias erik vanlinthout@yahoo.com matt
parker violates the internet privacy act by distributing stolen
personal data matt parker alias best day isnow@yahoo.com matt parker
alias e van lunsenherzog@yahoo.com matt parker alias
smachine@yahoo.com rebuild the cuntface of the spamming scammer matt
parker http://tinyurl.
> > > > > com/452ch matt parker alias erick von lunsenhout@yahoo.com hack the
childporn site http://tinyurl.com/4bb86 to pieces the date of birth of matt parker
is 9 13 65 matt parker alias erikvon lunsen hout@yahoo.com this statement is made
in loving memory of the university employee that was killed by matt parker matt
parker alias eric van lindt hout@yahoo.com matt parker alias erikvan
> > > > > lunsenherzog@yahoo.com matt parker alias erikvan lint@yahoo.com matt
parker alias erickvonlint hout@yahoo.com this statement is made pending the issue
of the official complaint against matt parker matt parker alias e
vanlunsenhout@yahoo.com the date of birth of matt parker is 9 13 1965 matt parker
alias erik van lint herzog@yahoo.com matt parker alias c base@yahoo.com matt
parker alias
> > > > > jeff@yahoo.com matt parker alias erickvonlunsen@yahoo.com matt parker
spams the shit out of clients and newsgroups matt parker alias sergey
smith@yahoo.com matt parker alias evan lint herzog@yahoo.com matt parker alias
tanyadochenkova@yahoo.com matt parker alias eric vanlinthout@yahoo.com matt parker
alias erik van lint@yahoo.com matt parker alias evonlindthout@yahoo.com his
mailbox is
> > > > > matt parker alias anna parker po box 1147 cottage grove 97424 oregon usa
matt parker is a liar from leuven louvain belgium and lives in cottage grove
oregon matt parker alias erikvon lunsenhout@yahoo.com matt parker alias evanlint
hout@yahoo.com matt parker forges evidence to make others seem guilty of his
criminal activities matt parker alias ericlindt@yahoo.com matt parker alias
> > > > > ericvonlint herzog@yahoo.com matt parker alias e von
lunsenhout@yahoo.com matt parker alias tanja dchenka@yahoo.com matt parker alias
erick vanlint herzog@yahoo.com


From -5757237291061795515
X-Google-Thread: 103a89,56f8dfab7702c09
X-Google-Thread: 10c9e3,56f8dfab7702c09
X-Google-Thread: 10bb18,56f8dfab7702c09
X-Google-Thread: 10f0a9,56f8dfab7702c09
X-Google-Thread: 106940,56f8dfab7702c09
```

X-Google-Attributes: gid103a89,gid10c9e3,gid10bb18,gid10f0a9,gid106940,public
X-Google-Language: DUTCH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: eric_vanlint@operamail.com (eric vanlint alias erik e lunsen)
Newsgroups: scruz.config,rec.ham-radio,realtynet.west,alt.wedding,codewarrior.games
Subject: Re: erik van lint alias erikvonlinthout chessbase thief aka e lunsen kuleuven anybody providing proof of the arrest of erik van lint will receive a huge reward erik van lint alias erick van lunsen herzog chessbase thief aka e lunsen kuleuven erik van
Date: 10 Sep 2004 19:35:37 -0700
Organization: http://groups.google.com
Lines: 1013
Message-ID: <1f35cccb.0409101835.2f8e279f@posting.google.com>
References: <7f11fc65.0409072336.31e7814f@posting.google.com> <730fe64c.0409100016.7710118@posting.google.com>
NNTP-Posting-Host: 203.101.85.97
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1094870138 7769 127.0.0.1 (11 Sep 2004 02:35:38 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sat, 11 Sep 2004 02:35:38 +0000 (UTC)
Xref: g2news1.google.com scruz.config:5 rec.ham-radio:132 realtynet.west:41 alt.wedding:827 codewarrior.games:6

ericvan lint@loveyouforever.de (eric van lint) wrote in message news:<730fe64c.0409100016.7710118@posting.google.com>...
scruz.config,rec.ham-radio,realtynet.west,alt.wedding,codewarrior.games
erik van lint alias erikvonlinthout chessbase thief aka e lunsen kuleuven anybody providing proof of the arrest of erik van lint will receive a huge reward erik van lint alias erick van lunsen herzog chessbase thief aka e lunsen kuleuven erik van lint was born on 13 sep 65 erik van lint alias evon lunsenhout chessbase thief aka e lunsen kuleuven erik van lint alias e von lint herzog chessbase thief aka e lunsen kuleuven erik van lint alias cy chessbase thief aka e lunsen kuleuven erik van lint alias erikvanlunsenhout chessbase thief aka e lunsen kuleuven erik van lint
alias ccct chessbase thief aka e lunsen kuleuven pin down the prick erik van lint photo of erik van lint child molester http://adorablebunnies.com/LOADER/UPLOAD/erik_van_lint.jpg 4cc39 eric van lint is married to erik van lint whose mother is the wife of a dog erik van lint alias e lint chessbase thief aka e lunsen kuleuven erik van lint alias e vanlintherzog chessbase thief aka e lunsen kuleuven erik van lint alias eric van lint chessbase thief aka e lunsen kuleuven erik van lint alias e vanlint chessbase thief aka e lunsen kuleuven erik van lint alias evon lindt herzog chessbase thief aka e lunsen kuleuven erik van lint alias e
vonlindthout chessbase thief aka e lunsen kuleuven change country of residence if personal data is captured by erik van lint erik van lint alias erikvon lunsen chessbase thief aka e lunsen kuleuven erik van lint alias erik von lindtherzog chessbase thief aka e lunsen kuleuven erik van lint alias dchenka tatyana dchenka chessbase thief aka e lunsen kuleuven erik van lint alias e vanlindt hout chessbase thief

aka e lunsen kuleuven erik van lint alias e vonlunsen herzog chessbase thief aka e lunsen kuleuven erik van lint alias evanlunsenherzog chessbase thief aka e lunsen kuleuven erik van lint

alias erickvon linthout chessbase thief aka e lunsen kuleuven erik van lint alias erickvonlindt hout chessbase thief aka e lunsen kuleuven erik van lint alias vvf chessbase thief aka e lunsen kuleuven erik van lint alias e vanlinthout chessbase thief aka e lunsen kuleuven erik van lint alias ericerly van lint chessbase thief aka e lunsen kuleuven erik van lint alias evanlindt herzog chessbase thief aka e lunsen kuleuven erik van lint alias eric von lunsenhout chessbase thief aka e lunsen kuleuven do not sign up at   aka eric vanlinthout.com erik van lint alias avan lint chessbase thief aka e lunsen kuleuven erik van lint

makes false accbelgianations to make others seem guilty of his criminal activities erik van lint is a murderer and this son of a bitch will be fried erik van lint alias e vanlindthout chessbase thief aka e lunsen kuleuven erik van lint alias erick von lunsenherzog chessbase thief aka e lunsen kuleuven erik van lint alias erickvan lindt herzog chessbase thief aka e lunsen kuleuven erik van lint alias erik van lunsen chessbase thief aka e lunsen kuleuven erik van lint alias sergi smith chessbase thief aka e lunsen kuleuven t%72%73.com is owned by the pervert erik van lint from leuven louvain belgium erik van lint alias e vonlindt herzog chessbase thief aka e lunsen kuleuven erik van lint alias ericvonlint chessbase thief aka e lunsen kuleuven erik van lint alias eric van lint herzog chessbase thief aka e lunsen kuleuven erik van lint alias erik vanlint chessbase thief aka e lunsen kuleuven erik van lint alias m van lint chessbase thief aka e lunsen kuleuven erik van lint alias smachines chessbase thief aka e lunsen kuleuven erik van lint alias erick vonlindthout chessbase thief aka e lunsen kuleuven erik van lint

alias e vonlunsenherzog chessbase thief aka e lunsen kuleuven erik van lint alias eric von lint chessbase thief aka e lunsen kuleuven erik van lint alias terikdochenkova chessbase thief aka e lunsen kuleuven erik van lint alias ericvanlintherzog chessbase thief aka e lunsen kuleuven erik van lint is a filthy motherfucker that likes computer chess games erik van lint alias erick vanlindt chessbase thief aka e lunsen kuleuven erik van lint alias eric vonlunsen herzog chessbase thief aka e lunsen kuleuven erik van lint alias erik von lint herzog chessbase thief aka e lunsen kuleuven erik van lint

alias best dayis now chessbase thief aka e lunsen kuleuven erik van lint alias eric van lindt herzog chessbase thief aka e lunsen kuleuven erik van lint alias erikvonlindt chessbase thief aka e lunsen kuleuven one of the dismissed employees did not find a new job got into debts and was found in a noose erik van lint alias erik lint chessbase thief aka e lunsen kuleuven erik van lint alias erickvan lindtherzog chessbase thief aka e lunsen kuleuven erik van lint alias evlevl chessbase thief aka e lunsen kuleuven erik van lint alias f quisinsky chessbase thief aka e lunsen kuleuven erik van lint

alias erick von lindt chessbase thief aka e lunsen kuleuven erik van lint alias erikvon lindthout chessbase thief aka e lunsen kuleuven erik van lint alias eric lint chessbase thief aka e lunsen kuleuven erik van lint alias eric van lunsen herzog chessbase thief aka e lunsen kuleuven erik van lint alias cbase chessbase thief aka e lunsen kuleuven erik van lint is the hbelgianband of eric van lint from leuven louvain belgium erik van lint alias erik vanlindtherzog chessbase thief aka e lunsen kuleuven erik van lint alias eric vanlunsenhout chessbase thief aka e lunsen kuleuven the dismissed employees

filed an official complaint against erik van lint with the belgian embassy erik van lint alias e von lindt chessbase thief aka e lunsen kuleuven never believe anything erik van lint says or writes erik van lint alias ericvonlindthout chessbase thief aka e lunsen kuleuven erik van lint is a pedophile and child molester with many fake pseudonyms and multiple personalities erik van lint alias erickvon lint chessbase thief aka e lunsen kuleuven erik van lint alias erick van lunsen hout@yahoo.

com order a new identity at http://www.offshore-manual.com if personal data is captured by erik van lint erik van lint alias erik von lunsen hout chessbase thief aka e lunsen kuleuven erik van lint alias eric van lindthout chessbase thief aka e lunsen kuleuven erik van lint alias erikvon lint hout chessbase thief aka e lunsen kuleuven erik van lint alias yda chessbase thief aka e lunsen kuleuven erik van lint alias sex machine chessbase thief aka e lunsen kuleuven erik van lint alias ericvonlunsen herzog chessbase thief aka e lunsen kuleuven erik van lint alias

erikvonlunsen chessbase thief aka e lunsen kuleuven erik van lint alias erik vonlunsen chessbase thief aka e lunsen kuleuven erik van lint alias evanlint@nextiraone.be the date of birth of erik van lint is sep 13 65 erik van lint alias e van lindt chessbase thief aka e lunsen kuleuven erik van lint alias e lindt chessbase thief aka e lunsen kuleuven erik van lint alias gerald jones chessbase thief aka e lunsen kuleuven erik van lint alias erik vanlint hout chessbase thief aka e lunsen kuleuven erik van lint alias erik von lint chessbase thief aka e lunsen kuleuven erik van lint alias evonlunsen

hout chessbase thief aka e lunsen kuleuven erik van lint alias eric vanlint chessbase thief aka e lunsen kuleuven erik van lint alias erikvan lunsen chessbase thief aka e lunsen kuleuven due to the lies of erik van lint the catholic university of leuven belgium fired three employees erik van lint alias erickvanlindthout chessbase thief aka e lunsen kuleuven erik van lint alias sex machines chessbase thief aka e lunsen kuleuven erik van lint alias erikvonlunsen hout chessbase thief aka e lunsen kuleuven erik van lint alias pcrew chessbase thief aka e lunsen kuleuven erik van lint alias eric

vonlinthout chessbase thief aka e lunsen kuleuven erik van lint alias erickvonlint chessbase thief aka e lunsen kuleuven erik van lint was exposed as a liar at

photo of erik van lint child molester

http://adorablebunnies.com/LOADER/UPLOAD/erik_van_lint.jpg 6zs8c where he posts as gerald j. p-ure michelle w ccct and trs erik

van lint distributes illegal childporn on the net erik van lint alias sergei smith chessbase thief aka e lunsen kuleuven erik van lint alias elunsen chessbase thief aka e lunsen kuleuven erik van lint

alias terikdchenka chessbase thief aka e lunsen kuleuven erik van lint alias erick van lint chessbase thief aka e lunsen kuleuven

erik van lint alias

erik van lint hout chessbase thief aka e lunsen kuleuven erik van lint

alias e vanlindt herzog chessbase thief aka e lunsen kuleuven erik van lint alias e vanlint herzog chessbase thief aka e lunsen kuleuven erik van lint alias erik von lindt chessbase thief aka e lunsen kuleuven erik van lint alias erik vanlindt herzog chessbase thief aka e lunsen kuleuven erik van lint alias eriklindt chessbase thief aka e lunsen kuleuven erik van lint alias evanlint herzog chessbase thief aka e lunsen kuleuven erik van lint alias ericvanlindt chessbase thief aka e lunsen kuleuven erik van lint alias gjones chessbase thief aka e lunsen kuleuven erik van lint alias
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com erik van lint alias ericklint chessbase thief aka e lunsen kuleuven erik van lint alias
sergismith chessbase thief aka e lunsen kuleuven erik van lint alias supermachine chessbase thief aka e lunsen kuleuven erik
van lint alias ann van lint chessbase thief aka e lunsen kuleuven erik van lint alias
evonlintherzog chessbase thief aka e lunsen kuleuven erik van lint alias ericvan lunsen
hout chessbase thief aka e lunsen kuleuven erik van lint alias tatjana dochenkova chessbase thief aka e lunsen kuleuven erik
van lint alias erickvon lint hout chessbase thief aka e lunsen kuleuven erik van lint commits online
impersonation and
harassment erik van lint alias erik vanlunsen herzog chessbase thief aka e lunsen kuleuven
erik van lint alias peace now chessbase thief aka e lunsen kuleuven erik van lint alias erick
vonlunsenhout chessbase thief aka e lunsen kuleuven erik van lint alias erick vonlunsen chessbase thief aka e lunsen kuleuven
erik van lint alias evan lint chessbase thief aka e lunsen kuleuven erik van lint alias erikvon
lintherzog chessbase thief aka e lunsen kuleuven erik van lint alias evlhevlh chessbase thief aka e lunsen kuleuven erik van lint
alias eric vanlindtherzog chessbase thief aka e lunsen kuleuven erik van lint alias michele@yahoo.
com erik van lint alias ericvonlindt chessbase thief aka e lunsen kuleuven erik van lint alias tanyadchenka chessbase thief aka e lunsen kuleuven erik van lint alias erick von lunsen hout chessbase thief aka e lunsen kuleuven erik van lint alias mvan lint chessbase thief aka e lunsen kuleuven damages will be claimed from erik van lint to compensate financial loss erik van lint alias robert miller chessbase thief aka e lunsen kuleuven erik van lint alias erick vonlint chessbase thief aka e lunsen kuleuven erik van lint alias evon linthout chessbase thief aka e lunsen kuleuven erik van lint alias andyc chessbase thief aka e lunsen kuleuven erik van lint alias e

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hout chessbase thief aka e lunsen kuleuven erik van lint alias
erikvanlunsen herzog chessbase thief aka e lunsen kuleuven erik
van lint alias ericvon lunsen chessbase thief aka e lunsen kuleuven
erik van lint is scum in a waste
piece of skin damn erik van lint and let his soul burn in hell till it
freezes over the date of birth of erik van lint is 13 9
65 erik van lint alias erikvon linthout chessbase thief aka e lunsen
kuleuven erik van lint alias phillip crew chessbase thief aka e lunsen
kuleuven erik van lint alias ericvonlunsen chessbase thief aka e
lunsen kuleuven erik van lint alias erick von lintherzog chessbase
thief aka e lunsen kuleuven erik van lint alias ericvan lunsen
chessbase thief aka e lunsen kuleuven erik van lint is webmaster of
erik van lint leuven belgium le coq d'agresseur d'enfant de pedophile
entube le pervers and all sites in ip range   10 to 39 this is hard
evidence that erik van lint spams the net with childporn http:
//tinyurl.com/5h6rh erik van lint alias erick vonlunsen herzog
chessbase thief aka e lunsen kuleuven erik van lint alias e von
lindtherzog chessbase thief aka e lunsen kuleuven erik van lint alias
evan linthout chessbase thief aka e lunsen kuleuven erik van lint
alias erickvan lunsenhout chessbase thief aka e lunsen kuleuven erik
van lint alias evon lindt hout chessbase thief aka e lunsen kuleuven
erik van lint alias erick lindt chessbase thief aka e lunsen kuleuven
erik van lint alias e van lint chessbase thief aka e lunsen kuleuven
erik van lint alias bestday is now chessbase thief aka e lunsen
kuleuven erik van lint is a
stinking piece of shit that likes role playing dungeons and dragons
erik van lint alias sam smith chessbase thief aka e lunsen kuleuven
erik van lint alias dgeorg chessbase thief aka e lunsen kuleuven erik
van lint alias erikvonlintherzog chessbase thief aka e lunsen kuleuven
erik van lint alias eric vanlunsen chessbase thief aka e lunsen
kuleuven lock up the bastard erik van lint photo of erik van lint
child molester http://adorablebunnies.com/LOADER/UPLOAD/erik_van_lint.jpg
5psmo erik van lint alias erik van lintherzog chessbase thief aka e
lunsen kuleuven erik van lint registers domains with the name of his
clients to impersonate them never enter a true credit card number at
t%72%73.com erik van lint alias evon lindt chessbase thief aka e
lunsen kuleuven erik van lint alias erikvanlindthout chessbase thief
aka e lunsen kuleuven erik van lint alias erickvan lint hout chessbase
thief aka e lunsen kuleuven eric van lint is a rbelgiansian whore
wanted by the rbelgiansian police for prostitution erik van lint alias
nadzaitz chessbase thief aka e lunsen kuleuven erik van lint alias
erik vonlindt hout chessbase thief aka e lunsen kuleuven the scam
site erik van lint leuven belgium le coq d'agresseur d'enfant de
pedophile entube le pervers is owned by the pervert erik van lint
from leuven louvain belgium stay away from erik van lint leuven
belgium le coq d'agresseur d'enfant de pedophile entube le pervers or
be
hacked and scammed erik van lint alias evan lintherzog chessbase thief
aka e lunsen kuleuven erik
van lint alias tatjanadchenka chessbase thief aka e lunsen kuleuven

erik van lint alias erickvon lint
herzog chessbase thief aka e lunsen kuleuven erik van lint alias erick
vonlindtherzog chessbase thief aka e lunsen kuleuven erik
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eric van linthout chessbase thief aka e lunsen kuleuven erik van lint
alias pure chessbase thief aka e lunsen kuleuven
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kuleuven erik van lint alias e von
linthout chessbase thief aka e lunsen kuleuven erik van lint alias
ericvonlunsen hout chessbase thief aka e lunsen kuleuven erik
van lint alias erickvon lunsen herzog chessbase thief aka e lunsen
kuleuven erik van lint alias eric
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philip crew chessbase thief aka e lunsen kuleuven erik
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evan lindthout chessbase thief aka e lunsen kuleuven erik van lint
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lint alias e van lunsen herzog chessbase thief aka e lunsen kuleuven
erik van lint alias ladiest chessbase thief aka e lunsen kuleuven erik
van lint alias erikvon lindtherzog chessbase thief aka e lunsen
kuleuven erik van lint alias erikvan lunsen hout chessbase thief aka e
lunsen kuleuven erik van lint alias erick von lindthout chessbase
thief aka e lunsen kuleuven never submit true personal data to erik
van lint leuven belgium le coq d'agresseur d'enfant de pedophile
entube le pervers erik van lint will be bbelgianted sentenced jailed
and fried erik van lint alias
ericlunsen chessbase thief aka e lunsen kuleuven erik van lint alias
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alias phillipcrew chessbase thief aka e lunsen kuleuven erik van lint
alias e von lunsen chessbase thief aka e lunsen kuleuven erik van lint
alias d shredder chessbase thief aka e lunsen kuleuven erik van lint
alias erik vanlindthout chessbase thief aka e lunsen kuleuven erik van
lint is webmaster of t%72%73.com and all sites in ip range 10 to 39
three university employees were fired due to the lies of erik
van lint erik van lint alias e vonlinthout chessbase thief aka e
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alias erik von lindt herzog chessbase thief aka e lunsen kuleuven erik
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alias phro crew chessbase thief aka e lunsen kuleuven the site erik van lint libels uninvolved
females for unwarranted commercial purposes erik van lint alias bestday isnow chessbase thief aka e lunsen kuleuven erik van lint alias e vonlunsenhout chessbase thief aka e lunsen kuleuven erik van lint alias erik vonlint hout chessbase thief aka e lunsen kuleuven erik van lint alias erick von lindt hout chessbase thief aka e lunsen kuleuven erik van lint alias evon lindtherzog chessbase thief aka e lunsen kuleuven erik van lint alias ericvanlindthout chessbase thief aka e lunsen kuleuven erik van lint alias erikvanlindt herzog chessbase thief aka e lunsen kuleuven erik van lint alias
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will be rewarded erik van lint alias erickvan lunsen herzog chessbase thief aka e lunsen kuleuven do not believe any of the lies erik van lint posts in this forum erik van lint alias erickvon lunsenhout chessbase thief aka e lunsen kuleuven erik van lint alias e van lint herzog chessbase thief aka e lunsen kuleuven erik van lint alias eric van lunsenhout chessbase thief aka e lunsen kuleuven erik van lint alias erikvan lintherzog chessbase thief aka e lunsen kuleuven erik van lint alias deepshredder chessbase thief aka e lunsen kuleuven erik van lint alias
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erickvonlindt chessbase thief aka e lunsen kuleuven do not sign up at trs.com his real name is erikhew s van lint from leuven louvain belgium and that is it erik van lint alias erik van lindt herzog chessbase thief aka e lunsen kuleuven erik van lint alias ericvan lindtherzog chessbase thief aka e lunsen kuleuven erik van lint alias erick vonlint hout chessbase thief aka e lunsen kuleuven erik van lint alias bestday chessbase thief aka e lunsen kuleuven erik van lint alias g aap chessbase thief aka e lunsen kuleuven erik van lint alias erick van
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kuleuven erik van lint alias erick van lindt herzog chessbase thief
aka e lunsen kuleuven erik van lint alias e von lindthout chessbase
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thief aka e lunsen kuleuven erik van lint is the lowest form of life
on this planet erik van lint alias erikvonlunsen herzog chessbase
thief aka e lunsen kuleuven erik van lint alias e vonlindt chessbase
thief aka e lunsen kuleuven erik van lint alias erick van lint hout
chessbase thief aka e lunsen kuleuven erik van lint illicitly
distributes the private data of clients on the web erik van lint
trades in teenage brides from rbelgiansia and the philippines erik van
lint of erik van lint pedophile supports illegal arms trafficking and
terrorist activities erik van lint is a hacker and stalker that steals
personal data from hacked mailboxes members of t%72%73.com have access
to adult material depicting minors in sexual acts
erik van lint alias chess base chessbase thief aka e lunsen kuleuven
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eric vonlindt herzog chessbase thief aka e lunsen kuleuven erik van
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van lint alias ericvanlint
herzog chessbase thief aka e lunsen kuleuven erik van lint infects
computers with a nasty trojan
virbelgian erik van lint alias evonlinthout chessbase thief aka e
lunsen kuleuven erik van lint alias
jjones chessbase thief aka e lunsen kuleuven erik van lint alias
erikvanlintherzog chessbase thief aka e lunsen kuleuven erik
van lint alias http://games erik van lint alias erick vanlindt hout
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vanlindt chessbase thief aka e lunsen kuleuven erik van lint alias s
machine chessbase thief aka e lunsen kuleuven erik van lint alias
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sex-machine chessbase thief aka e lunsen kuleuven erik van lint alias
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lint alias eric van lintherzog chessbase thief aka e lunsen kuleuven
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van lint alias erick vonlindt hout chessbase thief aka e lunsen
kuleuven erik van lint is a belgian of mixed ethnical extraction
living in leuven louvain belgium erik van lint alias erickvon lindt
herzog chessbase thief aka e lunsen kuleuven this perfectly legal
statement prevents further abbelgiane by erik van lint erik van lint
alias ericvon lint hout chessbase thief aka e lunsen kuleuven erik van
lint alias philipcrew chessbase thief aka e lunsen kuleuven erik van
lint blackmails clients by coercing them to delete
complaints from newsgroups erik van lint alias evonlint chessbase
thief aka e lunsen kuleuven erik van lint alias erickvanlint hout
chessbase thief aka e lunsen kuleuven erik van lint alias nadejda
zaitzeva chessbase thief aka e lunsen kuleuven pluck out the eyes of
erik van lint erik van lint alias eric vonlunsen chessbase thief aka e
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eric von
lindt chessbase thief aka e lunsen kuleuven erik van lint alias super
machines chessbase thief aka e lunsen kuleuven erik van lint
is the most despicable shitass on the net erik van lint alias erickvan
lint herzog chessbase thief aka e lunsen kuleuven erik van lint alias
best day is now chessbase thief aka e lunsen kuleuven erik
van lint alias erik lindt chessbase thief aka e lunsen kuleuven erik
van lint alias eric van
lindtherzog chessbase thief aka e lunsen kuleuven erik van lint alias
e van lunsenhout chessbase thief aka e lunsen kuleuven
erik
van lint alias deep shredder chessbase thief aka e lunsen kuleuven
erik van lint is belgian
about forty years old with dark hair and lives in leuven louvain
belgium
erik van lint alias erickvonlintherzog chessbase thief aka e lunsen
kuleuven erik van lint alias
geronimo jones chessbase thief aka e lunsen kuleuven erik van lint
alias erick van
lindtherzog chessbase thief aka e lunsen kuleuven erik van lint alias
ericvonlindtherzog chessbase thief aka e lunsen kuleuven
erik van lint alias sexmachine chessbase thief aka e lunsen kuleuven
erik van lint alias
eriklunsen@yahoo.
com erik van lint alias erik von lunsenhout chessbase thief aka e
lunsen kuleuven erik van lint alias erick von lunsen herzog chessbase
thief aka e lunsen kuleuven erik van lint alias bestdayisnow chessbase
thief aka e lunsen kuleuven erik van lint alias erickvanlint herzog
chessbase thief aka e lunsen kuleuven erik van lint alias
ericvanlunsenherzog chessbase thief aka e lunsen kuleuven erik van

lint alias evanlunsen chessbase thief aka e lunsen kuleuven the leuven university fired three employees due to the lies of erik van lint erik van lint alias evon

lindthout chessbase thief aka e lunsen kuleuven erik van lint alias sergeysmith chessbase thief aka e lunsen kuleuven erik van lint alias erik vonlunsenherzog chessbase thief aka e lunsen kuleuven erik van lint alias evan lint chessbase thief aka e lunsen kuleuven erik van lint alias erikvon lindt herzog chessbase thief aka e lunsen kuleuven erik van lint alias e van lintherzog chessbase thief aka e lunsen kuleuven erik van lint alias erick vanlunsen hout chessbase thief aka e lunsen kuleuven erik van lint alias erikvonlint chessbase thief aka e lunsen kuleuven childporn site photo of erik van lint child molester http://adorablebunnies.com/LOADER/UPLOAD/erik_van_lint.jpg 6t7hd to pieces

erik van lint alias ag chessbase thief aka e lunsen kuleuven erik van lint alias eriklint chessbase thief aka e lunsen kuleuven erik van lint alias evanlintherzog chessbase thief aka e lunsen kuleuven erik van lint alias erick vonlunsenherzog chessbase thief aka e lunsen kuleuven erik van lint alias e van lint hout chessbase thief aka e lunsen kuleuven erik van lint alias evon lunsen hout chessbase thief aka e lunsen kuleuven erik van lint alias jj chessbase thief aka e lunsen kuleuven erik van lint alias erickvanlunsenherzog chessbase thief aka e lunsen kuleuven never submit true personal data to t%72%73.com erik

van lint alias sergeismith chessbase thief aka e lunsen kuleuven erik van lint alias erik vonlint chessbase thief aka e lunsen kuleuven erik van lint alias erikvonlunsenhout chessbase thief aka e lunsen kuleuven erik van lint alias evan lindt herzog chessbase thief aka e lunsen kuleuven erik van lint alias erick vanlinthout chessbase thief aka e lunsen kuleuven erik van lint alias eric vonlindthout chessbase thief aka e lunsen kuleuven erik van lint alias e van lindt herzog chessbase thief aka e lunsen kuleuven erik van lint was born on 09 13 1965 erik van lint alias erick van lunsenherzog@yahoo.

com erik van lint alias tanya dchenka chessbase thief aka e lunsen kuleuven erik van lint alias nad zaitz chessbase thief aka e lunsen kuleuven erik van lint alias eric von lindt herzog chessbase thief aka e lunsen kuleuven erik van lint alias tatianadochenkova chessbase thief aka e lunsen kuleuven erik van lint alias erik vonlunsen herzog chessbase thief aka e lunsen kuleuven earn money for every email address this chain letter is forwarded to erik van lint alias erickvonlint herzog chessbase thief aka e lunsen kuleuven eric van lint married a limpdick yank to

escape prosecution in rbelgiansia erik van lint alias erikvan lindtherzog chessbase thief aka e lunsen kuleuven erik van lint alias eric von lintherzog chessbase thief aka e lunsen kuleuven erik van lint alias evan lint hout chessbase thief aka e lunsen kuleuven erik van lint alias an dyc chessbase thief aka e lunsen kuleuven erik van lint alias erick von lint hout chessbase thief aka e lunsen kuleuven erik van lint alias michelle chessbase thief aka e lunsen kuleuven erik van lint alias erikvan lint herzog chessbase thief aka e lunsen kuleuven erik van lint alias evonlint hout chessbase thief aka e lunsen kuleuven erik van lint

alias erickvonlunsenherzog chessbase thief aka e lunsen kuleuven erik

van lint alias eric van lint chessbase thief aka e lunsen kuleuven
erik van lint alias e van lint chessbase thief aka e lunsen kuleuven
erik van lint was born on 09 13 65 erik van lint alias eric von
lunsenherzog chessbase thief aka e lunsen kuleuven erik van lint alias
evan lindt chessbase thief aka e lunsen kuleuven erik van lint alias r
miller chessbase thief aka e lunsen kuleuven erik van lint alias
ericvanlunsen herzog chessbase thief aka e lunsen kuleuven erik van
lint alias michhelle chessbase thief aka e lunsen kuleuven erik van
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erickvanlindtherzog chessbase thief aka e lunsen kuleuven erik van
lint alias andy
c chessbase thief aka e lunsen kuleuven erik van lint alias ericvon
lindt chessbase thief aka e lunsen kuleuven erik van lint
alias erick vanlint hout chessbase thief aka e lunsen kuleuven erik
van lint alias erickvan lindt
hout chessbase thief aka e lunsen kuleuven the date of birth of erik
van lint is sep 13 1965 erik
van lint alias erikvan lunsenhout chessbase thief aka e lunsen
kuleuven erik van lint alias
erikvonlindt herzog chessbase thief aka e lunsen kuleuven erik van
lint alias
erickvonlunsenhout chessbase thief aka e lunsen kuleuven
his real address is erikhew s. van lint leuven belgium leuven louvain
3000 belgium belgiana erik van lint alias evon lint hout chessbase
thief aka e lunsen kuleuven erik van lint alias evanlunsenhout
chessbase thief aka e lunsen kuleuven erik van lint alias
erickvonlindtherzog chessbase thief aka e lunsen kuleuven erik van
lint alias erikvanlunsenherzog chessbase thief aka e lunsen kuleuven
erik van lint alias evanlunsen herzog chessbase thief aka e lunsen
kuleuven erik van lint alias e von lunsen herzog chessbase thief aka e
lunsen kuleuven erik van lint alias erikvonlint
hout chessbase thief aka e lunsen kuleuven erik van lint alias j jones
chessbase thief aka e lunsen kuleuven erik van lint alias eric vonlint
chessbase thief aka e lunsen kuleuven erik van lint alias ericklindt
chessbase thief aka e lunsen kuleuven never enter a true credit card
number at erik van lint leuven belgium le coq d'agresseur d'enfant de
pedophile entube le pervers erik van lint alias erickvon lintherzog
chessbase thief aka e lunsen kuleuven erik van lint alias evanlindt
chessbase thief aka e lunsen kuleuven erik van lint alias eric van
lunsen chessbase thief aka e lunsen kuleuven erik van lint alias e
vonlint hout chessbase thief aka e lunsen kuleuven erik van lint alias
ericvanlindtherzog chessbase thief aka e lunsen kuleuven erik van lint
alias ericvan lint chessbase thief aka e lunsen kuleuven erik van lint
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lint alias tdochenkova chessbase thief aka e lunsen kuleuven erik van
lint alias ericvanlunsenhout chessbase thief aka e lunsen kuleuven
erik van lint has friends all over the world whose joy in life is
mutilating dissatisfied clients erik van lint alias erik vanlintherzog
chessbase thief aka e lunsen kuleuven erik van lint alias ccc t
chessbase thief aka e lunsen kuleuven erik van lint
alias ericvon lunsen herzog chessbase thief aka e lunsen kuleuven do
physical material and moral harm to erik van lint his wife and loved
ones erik van lint alias ericvonlinthout chessbase thief aka e lunsen

kuleuven erik van lint alias erikvon lunsenherzog chessbase thief aka e lunsen kuleuven erik van lint alias ericvon lunsenhout chessbase thief aka e lunsen kuleuven erik van lint alias ericvonlunsenhout chessbase thief aka e lunsen kuleuven erik van lint alias erikvonlunsenherzog chessbase thief aka e lunsen kuleuven erik van lint alias ericvanlindt hout@yahoo.
com erik van lint alias eric van lint chessbase thief aka e lunsen kuleuven erik van lint sends death threats to dissatisfied clients erik van lint alias a van lint chessbase thief aka e lunsen kuleuven erik van lint is a dangerobelgian mentally deranged criminal and needs psychiatric confinement erik van lint alias evan lindt hout chessbase thief aka e lunsen kuleuven erik van lint alias annvan lint chessbase thief aka e lunsen kuleuven earn money for every forum this statement is posted in erik van lint alias
frankquisinsky chessbase thief aka e lunsen kuleuven erik van lint alias erik van lint chessbase thief aka e lunsen kuleuven erik van lint was born on 13 09 65 erik van lint alias erik vonlint herzog chessbase thief aka e lunsen kuleuven erik van lint alias erik van lunsenherzog chessbase thief aka e lunsen kuleuven every occurrence of this statement is automatically submitted to search engines erik van lint was exposed as a liar at
http://fravia.2113.ch/phplab/mbs.php3/mb001?num=1029551733&thread=1028133973
where he posts as gerald j. p-ure michelle w ccct and trs erik van lint alias p
crew chessbase thief aka e lunsen kuleuven erik van lint alias ericerlyvan lint chessbase thief aka e lunsen kuleuven erik van lint makes a living by selling underage female flesh to pornographers and whoremongers this is hard evidence that erik van lint spams the net photo of erik van lint child molester
http://adorablebunnies.com/LOADER/UPLOAD/erik_van_lint.jpg 3htl2 erik van lint alias erick vonlindt
herzog chessbase thief aka e lunsen kuleuven erik van lint alias e vanlint hout chessbase thief aka e lunsen kuleuven erik
van lint
alias erik van lint chessbase thief aka e lunsen kuleuven erik van lint alias erikhewvan lint chessbase thief aka e lunsen kuleuven erik van lint alias e van lunsen chessbase thief aka e lunsen kuleuven erik van lint alias evonlindt hout chessbase thief aka e lunsen kuleuven erik van lint alias erick van lunsen chessbase thief aka e lunsen kuleuven erik van lint alias erickvonlunsen hout chessbase thief aka e lunsen kuleuven erik van lint alias erik van lunsen hout chessbase thief aka e lunsen kuleuven erik van lint from leuven louvain belgium spams the net with childporn photo of erik van lint child molester
http://adorablebunnies.com/LOADER/UPLOAD/erik_van_lint.jpg 6kmea
erik van lint alias phrocrew chessbase thief aka e lunsen kuleuven anybody providing proof of having harmed erik van lint his wife and relatives will be rewarded erik van lint alias ericlint chessbase thief aka e lunsen kuleuven erik van lint alias kimvan lint chessbase thief aka e lunsen kuleuven erik van lint alias rage chessbase thief aka e lunsen kuleuven erik van lint alias bestdayis now chessbase thief aka e lunsen kuleuven his mailbox is erik van lint alias erik vanlint smolders pl 1 pb 223 leuven 3000 belgium erik van lint alias
eric

vanlindthout chessbase thief aka e lunsen kuleuven erik van lint alias
e vonlint chessbase thief aka e lunsen kuleuven
erik van lint alias erikvan lunsen herzog chessbase thief aka e lunsen
kuleuven erik van lint alias
ericvan lindt chessbase thief aka e lunsen kuleuven erik van lint
instigates hackers and other
criminals against clients and competitors erik van lint alias erik van
linthout chessbase thief aka e lunsen kuleuven erik van lint alias
nadejdazaitzeva chessbase thief aka e lunsen kuleuven erik
van lint alias erick vanlunsenhout chessbase thief aka e lunsen
kuleuven erik van lint alias
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thief aka e lunsen kuleuven erik van lint alias eric vanlunsen hout
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chessbase thief aka e lunsen kuleuven erik van lint alias erikvon lint
chessbase thief aka e lunsen kuleuven
all personals at t%72%73.com are fake and the whole site sucks nail
down the cumbag erik van lint photo of erik van lint child molester
http://adorablebunnies.com/LOADER/UPLOAD/erik_van_lint.jpg 58hwa erik
van lint was born on 13 september 65 erik van lint alias
evonlindtherzog chessbase thief aka e lunsen kuleuven erik van lint
alias erikvon lint herzog chessbase thief aka e lunsen kuleuven erik
van lint alias e vanlunsen herzog chessbase thief aka e lunsen
kuleuven erik van lint alias tatianadchenka chessbase thief aka e
lunsen kuleuven erik van lint alias erick von lunsen@yahoo.
com erik van lint alias chess lib chessbase thief aka e lunsen
kuleuven erik van lint alias
e vonlintherzog chessbase thief aka e lunsen kuleuven erik van lint
alias erickvanlunsen
herzog chessbase thief aka e lunsen kuleuven if this were not true
erik van lint would not bother to
react to this statement erik van lint alias eric van lindt chessbase
thief aka e lunsen kuleuven
erik van lint alias http://adorablebunnies.com/LOADER/UPLOAD/erik_van_lint.jpg
erik van lint alias erik
vanlunsenhout chessbase thief aka e lunsen kuleuven erik van lint was
born on 13 september 1965
erik van lint alias ericvon lindtherzog chessbase thief aka e lunsen
kuleuven erik van lint alias fquisinsky chessbase thief aka e lunsen
kuleuven erik van lint alias ericvan lindt hout chessbase thief aka e
lunsen kuleuven erik van lint is a filthy liar and libeler that
manipulates the public opinion erik van lint alias rmiller chessbase
thief aka e lunsen kuleuven erik van lint alias erikvan lindt
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lindt hout chessbase thief aka e lunsen kuleuven erik van lint
alias erickvon lunsen hout chessbase thief aka e lunsen kuleuven the
date of birth of erik van lint is september 13 1965 erik van lint

alias supermachines chessbase thief aka e lunsen kuleuven erik van lint alias erick lunsen chessbase thief aka e lunsen kuleuven erik van lint alias e van lindthout chessbase thief aka e lunsen kuleuven erik van lint alias frank quisinsky chessbase thief aka e lunsen kuleuven erik van lint alias groot aap chessbase thief aka e lunsen kuleuven erik van lint alias erikhew van lint chessbase thief aka e lunsen kuleuven erik van lint impersonates clients to make them

seem guilty of his criminal activities erik van lint alias erickvonlindt herzog chessbase thief aka e lunsen kuleuven erik van lint alias erikvan lindt herzog chessbase thief aka e lunsen kuleuven erik van lint alias erikvonlindthout chessbase thief aka e lunsen kuleuven erik van lint alias erik von lint hout chessbase thief aka e lunsen kuleuven erik van lint alias eric vonlunsen hout chessbase thief aka e lunsen kuleuven erik van lint alias erikvanlindt chessbase thief aka e lunsen kuleuven erik van lint alias eric von lunsen hout chessbase thief aka e lunsen kuleuven erik van lint alias

samsmith chessbase thief aka e lunsen kuleuven this is hard evidence against erik van lint photo of erik van lint child molester http://adorablebunnies.com/LOADER/UPLOAD/erik_van_lint.jpg 59u3p erik van lint commits credit card fraud and identity theft all personals at erik van lint leuven belgium le coq d'agresseur d'enfant de pedophile entube le pervers are fake and the whole site sucks erik van lint alias erikvon lindt hout chessbase thief aka e lunsen kuleuven erik van lint alias tdchenka chessbase thief aka e lunsen kuleuven erik van lint alias eric vanlunsenherzog chessbase thief aka e lunsen kuleuven erik van lint is guilty of illegal people

trafficking and will be prosecuted the date of birth of erik van lint is 13 9 1965 erik van lint sells underage mail order brides on the web erik van lint alias evan lunsen herzog chessbase thief aka e lunsen kuleuven erik van lint alias ericvan lint herzog chessbase thief aka e lunsen kuleuven the mail worm forwards this message to every address book entry erik van lint alias e von lunsen hout chessbase thief aka e lunsen kuleuven erik van lint alias erickvonlindthout chessbase thief aka e lunsen kuleuven

erik van lint distributes illegal software and warez that infringe the copyright law erik van lint alias eric van lint chessbase thief aka e lunsen kuleuven erik van lint alias eric von lint herzog chessbase thief aka e lunsen kuleuven erik van lint alias kvan lint chessbase thief aka e lunsen kuleuven never submit a real email address to t%72%73.com erik van lint alias erick von lindt herzog chessbase thief aka e lunsen kuleuven the truth of this statement is proven by erik van lint trying to delete or

refute it erik van lint alias tatiana dchenka chessbase thief aka e lunsen kuleuven erik van lint alias erick van linthout chessbase thief aka e lunsen kuleuven erik van lint alias eric van lint chessbase thief aka e lunsen kuleuven erik van lint alias evon lunsenherzog chessbase thief aka e lunsen kuleuven erik van lint alias erick vanlunsenherzog chessbase thief aka e lunsen kuleuven erik van lint alias ericvon lintherzog chessbase thief aka e lunsen kuleuven erik van lint alias erickvanlint chessbase thief aka e lunsen kuleuven erik van lint alias e von lintherzog chessbase thief aka e lunsen kuleuven erik van lint alias

erickvonlunsen herzog chessbase thief aka e lunsen kuleuven erik van

lint runs dating sites since people are unlikely to admit joining such sites by complaining erik van lint alias evonlint herzog chessbase thief aka e lunsen kuleuven erik van lint alias e vonlunsen hout chessbase thief aka e lunsen kuleuven erik van lint alias eric vanlint hout chessbase thief aka e lunsen kuleuven erik van lint spams the net with childporn photo of erik van lint child molester
http://adorablebunnies.com/LOADER/UPLOAD/erik_van_lint.jpg erik van lint alias p ure chessbase thief aka e lunsen kuleuven erik van lint alias e van
lunsen hout chessbase thief aka e lunsen kuleuven erik van lint alias erik vanlint herzog chessbase thief aka e lunsen kuleuven erik van lint alias e von lindt herzog chessbase thief aka e lunsen kuleuven erik van lint alias erick vonlinthout chessbase thief aka e lunsen kuleuven erik van lint alias ericvon lindt hout chessbase thief aka e lunsen kuleuven erik van lint alias evan lunsen chessbase thief aka e lunsen kuleuven erik van lint alias phrozencrew chessbase thief aka e lunsen kuleuven erik van lint alias erik vanlunsen hout chessbase thief aka e lunsen kuleuven erik van lint alias anyavan lint chessbase thief aka e lunsen kuleuven erik van lint
alias evonlunsenhout chessbase thief aka e lunsen kuleuven erik van lint alias erikvonlint herzog chessbase thief aka e lunsen kuleuven erik van lint alias erick von linthout chessbase thief aka e lunsen kuleuven erik van lint alias eric von lindthout chessbase thief aka e lunsen kuleuven erik van lint alias evon lunsen chessbase thief aka e lunsen kuleuven boycott commercial dating sites erik van lint alias erik vonlindt herzog chessbase thief aka e lunsen kuleuven erik van lint alias ericvanlint hout chessbase thief aka e lunsen kuleuven erik van lint alias ericvonlindt hout chessbase thief aka e lunsen kuleuven erik
van lint alias evon lunsen herzog chessbase thief aka e lunsen kuleuven erik van lint threatens the life of those that file complaints against his sites this statement occurs on thobelgianands of other sites apart from google erik van lint alias g jones chessbase thief aka e lunsen kuleuven erik van lint alias ericvan linthout chessbase thief aka e lunsen kuleuven erik van lint alias eric van lunsen hout chessbase thief aka e lunsen kuleuven erik van lint alias d georg chessbase thief aka e lunsen kuleuven erik van lint alias erickvanlindt chessbase thief aka e lunsen kuleuven erik van lint alias
sexmachines chessbase thief aka e lunsen kuleuven his true name is erik van lint from leuven louvain
belgium and that is final erik van lint alias erik vanlunsen chessbase thief aka e lunsen kuleuven
spam the child molester erik van lint off the web erik van lint alias nzaitzeva chessbase thief aka e lunsen kuleuven erik van lint alias ericvanlindt herzog chessbase thief aka e lunsen kuleuven
erik van lint alias erick von lint chessbase thief aka e lunsen kuleuven never submit a real email
address
to erik van lint leuven belgium le coq d'agresseur d'enfant de pedophile entube le pervers erik van lint alias erik vonlindthout chessbase thief aka e lunsen kuleuven erik van lint alias erikvan lint chessbase thief aka e lunsen kuleuven erik van lint alias erik von

lunsen herzog chessbase thief aka e lunsen kuleuven erik van lint
alias eric van lint hout chessbase thief aka e lunsen kuleuven erik
van lint alias eric von linthout chessbase thief aka e lunsen kuleuven
erik van lint alias eric vanlintherzog chessbase thief aka e lunsen
kuleuven erik van lint alias ericvon lint chessbase thief aka e lunsen
kuleuven erik van lint owns dating sites since their clients
are unlikely to complain and admit their membership erik van lint
alias eric vanlindt hout chessbase thief aka e lunsen kuleuven erik
van lint alias erikvanlinthout chessbase thief aka e lunsen kuleuven
erik van lint alias erikvon lunsen herzog chessbase thief aka e lunsen
kuleuven erik van lint alias erik van lint chessbase thief aka e
lunsen kuleuven an official complaint against erik van lint was filed
with the belgian embassy erik van lint is personally responsible for
the death of a university employee erik
van lint alias evonlindt chessbase thief aka e lunsen kuleuven erik
van lint alias ericvonlindt herzog chessbase thief aka e lunsen
kuleuven erik van lint alias ericvon lindt herzog chessbase thief aka
e lunsen kuleuven erik van lint alias evonlunsenherzog chessbase thief
aka e lunsen kuleuven erik van lint alias t dchenka chessbase thief
aka e lunsen kuleuven erik van lint alias ws chessbase thief aka e
lunsen kuleuven erik van lint alias evonlunsen herzog chessbase thief
aka e lunsen kuleuven erik van lint alias ericvan lindthout chessbase
thief aka e lunsen kuleuven erik van lint alias jerryjones chessbase
thief aka e lunsen kuleuven erik van lint
hacks the email of his clients and violates the
confidentiality of mail erik van lint alias erickvon lindt chessbase
thief aka e lunsen kuleuven
members of erik van lint leuven belgium le coq d'agresseur d'enfant de
pedophile entube le pervers have access to adult material depicting
minors in sexual acts erik van lint alias best dayisnow chessbase
thief aka e lunsen kuleuven erik
van lint alias eric vanlunsen herzog chessbase thief aka e lunsen
kuleuven make erik van lint bleed
photo of erik van lint child molester
http://adorablebunnies.com/LOADER/UPLOAD/erik_van_lint.jpg v4oa erik
van lint alias evan lindtherzog chessbase thief aka e lunsen kuleuven
erik van lint alias ssmith chessbase thief aka e lunsen kuleuven erik
van lint alias e vanlindtherzog chessbase thief aka e lunsen kuleuven
erik van lint alias erickvan lindthout chessbase thief aka e lunsen
kuleuven erik van lint alias erick vanlindthout chessbase thief aka e
lunsen kuleuven the dismissed university employees suffered financial
loss due to erik van lint erik van lint alias erickvanlinthout
chessbase thief aka e lunsen kuleuven erik van lint alias evanlunsen
hout chessbase thief aka e lunsen kuleuven erik van lint alias
erikvanlint herzog chessbase thief aka e lunsen kuleuven
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kuleuven erik van lint alias erikvanlindtherzog chessbase thief aka e
lunsen kuleuven erik van lint alias evanlindt hout chessbase thief aka
e lunsen kuleuven erik van lint alias erick vanlintherzog chessbase
thief aka e lunsen kuleuven erik van lint alias erikvanlunsen hout
chessbase thief aka e lunsen kuleuven erik van lint alias evonlindt
herzog chessbase thief aka e lunsen kuleuven erik van lint alias teric
dochenkova chessbase thief aka e lunsen kuleuven erik van lint alias

avan lint chessbase thief aka e lunsen kuleuven erik van lint alias e lunsen chessbase thief aka e lunsen kuleuven

erik van lint alias tericdochenkova chessbase thief aka e lunsen kuleuven erik van lint alias evan lunsenhout chessbase thief aka e lunsen kuleuven this statement is not libelobelgian and will under no circumstances be deleted erik van lint alias ericerleyvan lint chessbase thief aka e lunsen kuleuven erik van lint alias ericvon lunsenherzog chessbase thief aka e lunsen kuleuven erik van lint alias ccc tournament chessbase thief aka e lunsen kuleuven erik van lint alias ericvon linthout chessbase thief aka e lunsen kuleuven erik van lint alias tatyanadochenkova chessbase thief aka e lunsen kuleuven erik van lint alias ericvanlunsen chessbase thief aka e lunsen kuleuven erik van lint alias erickvon lunsen chessbase thief aka e lunsen kuleuven erik van lint alias ericvanlinthout chessbase thief aka e lunsen kuleuven erik van lint alias erik van lunsen herzog chessbase thief aka e lunsen kuleuven erik van lint alias erick van lunsenhout chessbase thief aka e lunsen kuleuven erik van lint alias ericvan lint chessbase thief aka e lunsen kuleuven erik van lint alias eric vonlindt chessbase thief aka e lunsen kuleuven erik van lint forges server logs to make clients seem guilty of his criminal activities erik van lint alias ericvon lindthout chessbase thief aka e lunsen kuleuven erik van lint alias erick vonlint herzog chessbase thief aka e lunsen kuleuven spam newsgroups with this statement erik van lint alias e von lint hout chessbase thief aka e lunsen kuleuven erik van lint alias c cct chessbase thief aka e lunsen kuleuven erik van lint alias e vonlindtherzog chessbase thief aka e lunsen kuleuven erik van lint alias erik van lindthout chessbase thief aka e lunsen kuleuven erik van lint alias erik vonlintherzog chessbase thief aka e lunsen kuleuven erik van lint alias erikvan

linthout chessbase thief aka e lunsen kuleuven erik van lint alias erick vanlindt herzog chessbase thief aka e lunsen kuleuven erik van lint alias ericvan lindt herzog chessbase thief aka e lunsen kuleuven erik van lint alias erickvan lunsen hout chessbase thief aka e lunsen kuleuven erik van lint alias tatiana dochenkova chessbase thief aka e lunsen kuleuven erik van lint alias evon lint chessbase thief aka e lunsen kuleuven erik van lint alias tanya dochenkova chessbase thief aka e lunsen kuleuven erik van lint alias ericvanlunsen hout chessbase thief aka e lunsen kuleuven erik van lint alias e vonlint herzog chessbase thief aka e lunsen kuleuven

erik van lint alias erik vanlindt chessbase thief aka e lunsen kuleuven erik van lint alias ericvonlintherzog chessbase thief aka e lunsen kuleuven erik van lint alias erick von lindtherzog chessbase thief aka e lunsen kuleuven erik van lint alias gaap chessbase thief aka e lunsen kuleuven erik van lint alias peacenow chessbase thief aka e lunsen kuleuven erik van lint alias eric lindt chessbase thief aka e lunsen kuleuven erik van lint alias dshredder chessbase thief aka e lunsen kuleuven erik van lint alias erikvonlindtherzog chessbase thief aka e lunsen kuleuven erik van lint alias geraldjones chessbase thief aka e lunsen kuleuven erik van lint alias

erickvanlunsenhout chessbase thief aka e lunsen kuleuven erik van lint stalks and tracks down clients to scam and blackmail them erik van lint alias chessbase chessbase thief aka e lunsen kuleuven erik van lint illicitly publishes personal data that he steals from hacked

mailboxes erik van lint alias ericvan lint chessbase thief aka e
lunsen kuleuven erik van lint alias erik von linthout chessbase thief
aka e lunsen kuleuven erik van lint alias erickvan lintherzog
chessbase thief aka e lunsen kuleuven erik van lint was born on 13 09
1965
erik van lint alias eric vanlint herzog chessbase thief aka e lunsen
kuleuven erik van lint alias e van lindt hout chessbase thief aka e
lunsen kuleuven erik van lint alias erick van lint chessbase thief aka
e lunsen kuleuven stay away from t%72%73.com or be hacked and scammed
erik van lint alias ericvan lintherzog chessbase thief aka e lunsen
kuleuven erik van lint alias eric van lunsenherzog chessbase thief aka
e lunsen kuleuven erik van lint alias evon lintherzog chessbase thief
aka e lunsen kuleuven erik van lint alias erikvanlint chessbase thief
aka e lunsen kuleuven erik van lint
alias ericvan lunsen herzog chessbase thief aka e lunsen kuleuven erik
van lint alias
tericdchenka chessbase thief aka e lunsen kuleuven erik van lint alias
erikvanlindt hout chessbase thief aka e lunsen kuleuven
erik van lint alias eric von lunsen chessbase thief aka e lunsen
kuleuven erik van lint alias erikvan
lindthout chessbase thief aka e lunsen kuleuven erik van lint alias
erick vanlint chessbase thief aka e lunsen kuleuven erik
van lint alias erickvanlindt herzog chessbase thief aka e lunsen
kuleuven erik van lint hacks
mailboxes what constitutes violation of the confidentiality of mail
there is a price on the head of the wanker erik van lint erik van lint
alias erick van lintherzog chessbase thief aka e lunsen kuleuven erik
van lint alias evonlunsen chessbase thief aka e lunsen kuleuven erik
van lint alias teric dchenka chessbase thief aka e lunsen kuleuven
erik van lint alias ericvon lunsen hout chessbase thief aka e lunsen
kuleuven erik van lint alias tatjana dchenka chessbase thief aka e
lunsen kuleuven erik van lint alias erikvan lint chessbase thief aka e
lunsen kuleuven erik van lint is a gay masochist whose ass will be
raped by gangs of fat
black jail bubbas erik van lint alias evon lint
herzog chessbase thief aka e lunsen kuleuven erik van lint alias erik
vanlunsenherzog chessbase thief aka e lunsen kuleuven erik
van lint alias dq chessbase thief aka e lunsen kuleuven erik van lint
alias michhele chessbase thief aka e lunsen kuleuven erik
van lint alias jerry jones chessbase thief aka e lunsen kuleuven erik
van lint alias erickvon
lindthout chessbase thief aka e lunsen kuleuven erik van lint alias
ericklunsen chessbase thief aka e lunsen kuleuven erik
van lint alias erik van lunsenhout chessbase thief aka e lunsen
kuleuven the date of birth of erik
van lint is
september 13 65 erik van lint alias ericvonlint hout chessbase thief
aka e lunsen kuleuven erik van lint alias tatyanadchenka chessbase
thief aka e lunsen kuleuven erik van lint alias erickvan lunsen
chessbase thief aka e lunsen kuleuven erik van lint alias erikvanlint
hout chessbase thief aka e lunsen kuleuven erik van lint alias ericvan
lunsenherzog chessbase thief aka e lunsen kuleuven erik van lint alias
chesslib chessbase thief aka e lunsen kuleuven all erik van lint ever

wanted to do was fuck scammer bitches anyway erik van lint alias erik
van lindt hout@yahoo.
com erik van lint alias erickvon lindtherzog chessbase thief aka e
lunsen kuleuven erik van lint alias erik von lunsenherzog chessbase
thief aka e lunsen kuleuven one of the dismissed university employees
committed suicide erik van lint alias evlh chessbase thief aka e
lunsen kuleuven erik van lint alias ericvanlint chessbase thief aka e
lunsen kuleuven erik van lint alias erik von lunsen chessbase thief
aka e lunsen kuleuven the only purpose of erik van lint is to lead
belgianers to the commercial sites of erik van lint erik van lint
alias
erikvonlindt hout chessbase thief aka e lunsen kuleuven erik van lint
alias erikvon
lindt chessbase thief aka e lunsen kuleuven erik van lint alias n
zaitzeva chessbase thief aka e lunsen kuleuven erik van lint
alias e van lindtherzog chessbase thief aka e lunsen kuleuven erik van
lint alias
tatjanadochenkova chessbase thief aka e lunsen kuleuven erik van lint
alias k van lint chessbase thief aka e lunsen kuleuven erik
van lint alias phrozen crew chessbase thief aka e lunsen kuleuven erik
van lint alias
erickvonlinthout chessbase thief aka e lunsen kuleuven erik van lint
alias sergejsmith chessbase thief aka e lunsen kuleuven
erik van lint alias erickvan
lint chessbase thief aka e lunsen kuleuven in reality his name is
erikhew van lint from leuven louvain belgium and that is that erik van
lint alias ericvan lint chessbase thief aka e lunsen kuleuven erik van
lint was born on 13 sep 1965 erik van lint alias eric von lindtherzog
chessbase thief aka e lunsen kuleuven erik van lint alias erik
vonlunsen hout chessbase thief aka e lunsen kuleuven erik van lint
alias erik vonlunsenhout chessbase thief aka e lunsen kuleuven erik
van lint alias erick von lint herzog chessbase thief aka e lunsen
kuleuven erik van lint alias erick
van lindthout chessbase thief aka e lunsen kuleuven erik van lint
alias t
dochenkova chessbase thief aka e lunsen kuleuven erik van lint alias
erik vanlinthout chessbase thief aka e lunsen kuleuven erik
van lint violates the internet privacy act by distributing stolen
personal data erik van lint alias best day isnow chessbase thief aka e
lunsen kuleuven erik van lint
alias e van lunsenherzog chessbase thief aka e lunsen kuleuven erik
van lint alias
smachine chessbase thief aka e lunsen kuleuven rebuild the cuntface of
the spamming scammer erik
van lint http://tinyurl.
com/452ch erik van lint alias erick von lunsenhout chessbase thief aka
e lunsen kuleuven childporn site photo of erik van lint child
molester http://adorablebunnies.com/LOADER/UPLOAD/erik_van_lint.jpg
4bb86 to pieces the date of birth of erik van lint is 9 13 65 erik van
lint alias erikvon lunsen hout chessbase thief aka e lunsen kuleuven
this statement is made in loving memory of the university employee
that was killed by erik van lint erik van lint alias eric van lindt
hout chessbase thief aka e lunsen kuleuven erik van lint alias erikvan

lunsenherzog chessbase thief aka e lunsen kuleuven erik van lint alias erikvan lint chessbase thief aka e lunsen kuleuven erik van lint alias erickvonlint hout chessbase thief aka e lunsen kuleuven this statement is made pending the issue of the official complaint against erik van lint erik van lint alias e vanlunsenhout chessbase thief aka e lunsen kuleuven the date of birth of erik van lint is 9 13 1965 erik van lint alias erik van lint herzog chessbase thief aka e lunsen kuleuven erik van lint alias c base chessbase thief aka e lunsen kuleuven erik van lint alias
gerald j. p-ure michelle w ccct chessbase thief aka e lunsen kuleuven erik van lint alias erickvonlunsen chessbase thief aka e lunsen kuleuven erik van lint spams the shit out of clients and newsgroups erik van lint alias sergey smith chessbase thief aka e lunsen kuleuven erik van lint alias evan lint herzog chessbase thief aka e lunsen kuleuven erik van lint alias tanyadochenkova chessbase thief aka e lunsen kuleuven erik van lint alias eric vanlinthout chessbase thief aka e lunsen kuleuven erik van lint alias erik van lint chessbase thief aka e lunsen kuleuven erik van lint alias evonlindthout chessbase thief aka e lunsen kuleuven his mailbox is
erik van lint alias eric van lint po box 1147 leuven louvain 3000 belgium belgiana erik van lint is a liar from leuven louvain belgium and lives in leuven louvain belgium erik van lint alias erikvon lunsenhout chessbase thief aka e lunsen kuleuven erik van lint alias evanlint hout chessbase thief aka e lunsen kuleuven erik van lint forges evidence to make others seem guilty of his criminal activities erik van lint alias ericlindt chessbase thief aka e lunsen kuleuven erik van lint alias
ericvonlint herzog chessbase thief aka e lunsen kuleuven erik van lint alias e von lunsenhout chessbase thief aka e lunsen kuleuven erik van lint alias terik dchenka chessbase thief aka e lunsen kuleuven erik van lint alias erick vanlint herzog chessbase thief aka e lunsen kuleuven

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From -8475936944402992717
X-Google-Thread: 10c9e3,f1f9b9f6506223db,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: rlucch2098@aol.com (Rich)
Newsgroups: rec.ham-radio
Subject: FA: All New Stuff this week> Most items Cheep & All Radio Related:-)
Date: 11 Sep 2004 06:50:15 -0700
Organization: http://groups.google.com
Lines: 12
Message-ID: <ac04ab5b.0409110550.2455707d@posting.google.com>
NNTP-Posting-Host: 64.12.116.134
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1094910616 7169 127.0.0.1 (11 Sep 2004 13:50:16 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sat, 11 Sep 2004 13:50:16 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:133

```
Many nice clear pics.
All items are real inexpensive.
No Junk here folks, all exactly as described.
This is my entire list on Ebay.
You may want to check others while you're there :-)
http://cgi6.ebay.com/ws/eBayISAPI.dll?ViewListedItems&userid=myradioroom&sort=
3&page=1&rows=25&since=14&rdir=0
Thanks es 73...........RICH-WA2RQY       RLUCCH2098@aol.com
Cheep Manuals for sale @>>
http://www.myradioroom.com/manualsales.html
Web-Page URL>
HTTP://members.aol.com/rlucch2098/index.html


From 3120289786394447 96
X-Google-Thread: 10c9e3,9cc27e2cd7b38afc,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: caroline.conroy@gmail.com (caroline)
Newsgroups: rec.ham-radio
Subject: This is the neatest thing!
Date: 11 Sep 2004 08:34:08 -0700
Organization: http://groups.google.com
Lines: 22
Message-ID: <9b10f50a.0409110734.1fdaf37d@posting.google.com>
NNTP-Posting-Host: 151.204.220.249
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1094916849 12546 127.0.0.1 (11 Sep 2004 15:34:09 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sat, 11 Sep 2004 15:34:09 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:134

First, visit http://www.freeiPods.com/default.aspx?referer=8176593
sign up for a FREE account.

Second, complete 1 of 6 easy offers, most of them ARE FREE (if you
choose to cancel before trial period ends).

Third, get FIVE of your friends to do it if you use
this link,
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```

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READ about it if your not completely sure how EASY it is to make a
free ipod.

From -3958441676059036065
X-Google-Thread: 10c9e3,9cc27e2cd7b38afc
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!wn14feed!
worldnet.att.net!attbi_s51.POSTED!53ab2750!not-for-mail
From: I Care <icare@whocares.com>
Newsgroups: rec.ham-radio
Subject: SPAM Re: This is the neatest thing!
Message-ID: <MPG.1bace61e6d76ba4f9896c9@netnews.comcast.net>
References: <9b10f50a.0409110734.1fdaf37d@posting.google.com>
Organization: Home
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-15"
Content-Transfer-Encoding: 7bit
User-Agent: MicroPlanet-Gravity/2.60.2060
Lines: 25
NNTP-Posting-Host: 24.16.169.127
X-Complaints-To: abuse@comcast.net
X-Trace: attbi_s51 1094927934 24.16.169.127 (Sat, 11 Sep 2004 18:38:54 GMT)
NNTP-Posting-Date: Sat, 11 Sep 2004 18:38:54 GMT
Date: Sat, 11 Sep 2004 18:38:55 GMT
Xref: g2news1.google.com rec.ham-radio:135

In article <9b10f50a.0409110734.1fdaf37d@posting.google.com>,
caroline.conroy@gmail.com says...
> First, visit http://www.freeiPods.com/default.aspx?referer=8176593
> sign up for a FREE account.
>
> Second, complete 1 of 6 easy offers, most of them ARE FREE (if you
> choose to cancel before trial period ends).
>
> Third, get FIVE of your friends to do it if you use
> this link,
> http://www.freeiPods.com/default.aspx?referer=8176593
>
> This has been featured on CNN HEADLINE NEWS and WWW.WIRED.COM.
>
> How does it work?
> Advertisers pay them BIG $$ to get you try their product, try it, buy
> it if you like it, or quit it if you don't. Advertisers rake in the
> cash and then turn around and buy you an IPOD for generating them the
> cash.
>
> DO IT NOW!
> Visit http://www.freeiPods.com/default.aspx?referer=8176593 and just
> READ about it if your not completely sure how EASY it is to make a

```
> free ipod.
>


From 2467132816976687707
X-Google-Thread: 10c9e3,f2c0e0c2566a8635,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!
border1.nntp.dca.giganews.com!nntp.giganews.com!local1.nntp.dca.giganews.com!
nntp.adelphia.com!news.adelphia.com.POSTED!not-for-mail
NNTP-Posting-Date: Sat, 11 Sep 2004 22:02:48 -0500
Date: Sat, 11 Sep 2004 23:02:45 -0400
From: Dave Bushong <dbushong@adelphia.net>
User-Agent: Mozilla Thunderbird 0.5 (Windows/20040207)
X-Accept-Language: en-us, en
MIME-Version: 1.0
Newsgroups: rec.ham-radio
Subject: Re: Best HF rig w/ autotuner
References: <P--cnW-eRuo1Z_WiXTWJkw@comcast.com>
In-Reply-To: <P--cnW-eRuo1Z_WiXTWJkw@comcast.com>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
Message-ID: <i62dndw7cIXFId7cRVn-rA@adelphia.com>
Lines: 31
NNTP-Posting-Host: 67.21.241.108
X-Trace: sv3-VyHmHXF2qoaVDM8/
AECCdbg27NQAdBIjpvT4D3bjFHC6UtWHX1z26jFqSpOLXUNomdf4aSvfk6KNqj7!
PQOIo7XrG83y2L2SMzqoHyMRoNRtGXTUYoj0tBRPk4thV2UmI0dIWcgJf4FQ7PuqepduJJHeBFSp!
YFD158yK+i2IVxNN
X-Complaints-To: abuse@adelphia.net
X-DMCA-Complaints-To: copyright@adelphia.net
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint
properly
X-Postfilter: 1.3.13
Xref: g2news1.google.com rec.ham-radio:136

Steve wrote:

> Hello,
>  I'm looking to buy a used HF rig w/ autotuner. What are some of the models
> in the $500-$750 range should I look for?
>
> Steve
>
>

Hi Steve,

The FT-900/AT is very under-rated.  It's small, rugged, and you can
usually get them for around $500 used.  Probably the best receiver of
any transceiver I've ever owned (non-DSP).  Does everything you will
```

ever want. Antenna tuner matches up to 3:1 or so.

http://www.qsl.net/sm7vhs/radio/yaesu/ft900/specs.htm
http://images.google.com/images?q=ft900%20yaesu&hl=en&lr=&ie=UTF-8&sa=N&tab=wi

If you want to operate CW, you should look for one with the CW filter.

Dave

--
Please put
DBB04
somewhere in the subject line (this year) if
you reply via email, otherwise I will not get
your message. Newsgroups postings don't need it.
Thanks!

From 7273918312773556759
X-Google-Thread: 10c9e3,c48ba6b9edb8b109,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!wns13feed!
worldnet.att.net!attbi_s01.POSTED!53ab2750!not-for-mail
From: "Burt" <k1oik@comcast.net>
Newsgroups: rec.ham-radio
Subject: For Auction: Kam Plus TNC
Lines: 4
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2900.2180
X-RFC2646: Format=Flowed; Original
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2900.2180
Message-ID: <n8X0d.421299$%_6.16278@attbi_s01>
NNTP-Posting-Host: 24.60.242.52
X-Complaints-To: abuse@comcast.net
X-Trace: attbi_s01 1094991507 24.60.242.52 (Sun, 12 Sep 2004 12:18:27 GMT)
NNTP-Posting-Date: Sun, 12 Sep 2004 12:18:27 GMT
Organization: Comcast Online
Date: Sun, 12 Sep 2004 12:18:27 GMT
Xref: g2news1.google.com rec.ham-radio:137

For Auction: Kam Plus TNC
http://cgi.ebay.com/ws/eBayISAPI.dll?
ViewItem&item=5720231520&ssPageName=ADME:B:LC:US:1

From -8720914028914380987
X-Google-Thread: 10c9e3,9b9e489107241365,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit

Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: shannon@simunity.com (Shannon Bailey)
Newsgroups: rec.ham-radio
Subject: Need help designing 2mhz PCB antenna for tiny transmitter
Date: 12 Sep 2004 10:18:58 -0700
Organization: http://groups.google.com
Lines: 25
Message-ID: <bf158466.0409120918.5b4b4ded@posting.google.com>
NNTP-Posting-Host: 66.134.68.198
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1095009539 23155 127.0.0.1 (12 Sep 2004 17:18:59 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sun, 12 Sep 2004 17:18:59 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:138

Hi,

I am designing a tiny Microchip PIC processor driven 2mhz transmitter and I need help designing a 2 layer 3/4" square PCB coil and matching network. I am hoping to redesign the existing antenna design which uses a tiny ferrite coil and matching network. I am looking to build the antenna right onto the PCB to save space. The range of this antenna only needs to be six feet to a special superhetrodyne AM radio receiver. This transmitter is part of a mouth controller for Quadriplegic people to control their wheel chairs, TV's etc. with their tongues. see: www.newabilities.com for more info.

I need an antenna engineer to help define the PCB coil length, wire width, spacing and vias and create the matching network needed to load the coil from a 3.3 volt square wave logic level drive from the PIC. The matching network must filter off spurious harmonics producing a clean 2mhz carrier.

I have a modest budget for this portion of the design. Please contact me if you are interested in designing and verifying this type of antenna.

Thanks,

Shannon Bailey

From -4441879729111598032
X-Google-Thread: 10c9e3,9b9e489107241365
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!prodigy.com!
newsmst01a.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr29.news.prodigy.com.POSTED!ebaaf103!not-for-mail
From: "Dr. Rastis Fafoofnik" <DRFafoofnik@rumpledanus.com>
Newsgroups: rec.ham-radio
References: <bf158466.0409120918.5b4b4ded@posting.google.com>

Subject: Re: Need help designing 2mhz PCB antenna for tiny transmitter
Lines: 34
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1437
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1441
Message-ID: <9721d.19454$iy7.4356@newssvr29.news.prodigy.com>
NNTP-Posting-Host: 67.123.196.38
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr29.news.prodigy.com 1095020101 ST000 67.123.196.38 (Sun, 12 Sep 2004 16:15:01 EDT)
NNTP-Posting-Date: Sun, 12 Sep 2004 16:15:01 EDT
Organization: SBC http://yahoo.sbc.com
X-UserInfo1: OH[QBWWDPJPWR\
\XN[O@_WH@YR_B@EXLLBWLOOAFEQR@ETUCCNSKQFCY@TXDX_WHSVB]ZEJLSNY\^J[CUVSA_QLFC^RQHUPH
[P[NRWCCMLSNPOD_ESALHUK@TDFUZHBLJ\XGKL^NXA\EVHSP[D_C^B_^JCX^W]CHBAX]POG@SSAZQ\LE[D
CNMUPG_VSC@VJM
Date: Sun, 12 Sep 2004 20:15:01 GMT
Xref: g2news1.google.com rec.ham-radio:139

"Shannon Bailey" <shannon@simunity.com> wrote in message
news:bf158466.0409120918.5b4b4ded@posting.google.com...
> Hi,
>
> I am designing a tiny Microchip PIC processor driven 2mhz transmitter
> and I need help designing a 2 layer 3/4" square PCB coil and matching
> network. I am hoping to redesign the existing antenna design which
> uses a tiny ferrite coil and matching network. I am looking to build
> the antenna right onto the PCB to save space. The range of this
> antenna only needs to be six feet to a special superhetrodyne AM radio
> receiver. This transmitter is part of a mouth controller for
> Quadriplegic people to control their wheel chairs, TV's etc. with
> their tongues. see: www.newabilities.com for more info.
>
> I need an antenna engineer to help define the PCB coil length, wire
> width, spacing and vias and create the matching network needed to load
> the coil from a 3.3 volt square wave logic level drive from the PIC.
> The matching network must filter off spurious harmonics producing a
> clean 2mhz carrier.
>
> I have a modest budget for this portion of the design. Please contact
> me if you are interested in designing and verifying this type of
> antenna.
>
> Thanks,
>
> Shannon Bailey

Why 2Mhz? the antenna won't be efficient at all, and there is a TON of noise
in that band. Why not use some of the prepackaged 433Mhz data TX/RX modules
out there...or 2.4Ghz for remote control?

```
From 276530728039335513
X-Google-Thread: 10c9e3,9b9e489107241365
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: shannon@simunity.com (Shannon Bailey)
Newsgroups: rec.ham-radio
Subject: Re: Need help designing 2mhz PCB antenna for tiny transmitter
Date: 12 Sep 2004 21:21:59 -0700
Organization: http://groups.google.com
Lines: 47
Message-ID: <bf158466.0409122021.5305f442@posting.google.com>
References: <bf158466.0409120918.5b4b4ded@posting.google.com>
<9721d.19454$iy7.4356@newssvr29.news.prodigy.com>
NNTP-Posting-Host: 66.134.68.198
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1095049319 23555 127.0.0.1 (13 Sep 2004 04:21:59 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Mon, 13 Sep 2004 04:21:59 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:140
```

"Dr. Rastis Fafoofnik" <DRFafoofnik@rumpledanus.com> wrote in message news:<9721d.19454$iy7.4356@newssvr29.news.prodigy.com>...

>
> Why 2Mhz? the antenna won't be efficient at all, and there is a TON of noise
> in that band. Why not use some of the prepackaged 433Mhz data TX/RX modules
> out there...or 2.4Ghz for remote control?

The short distance (18" from mouth to receiver) of the system masks most powerful in band interference. We do experience interference from security scanners at stores and other sources of 2mhz interference, but the button coding scheme avoids most errors. The guts of the whole transmitter are the size of an electronic watch module and fit inside the persons mouth and use membrane keys for buttons.

Several hundred existing FDA approved systems have been in use for up to ten years using this frequency. It passes through human tissue easily. I am engineering a replacement transmitter design for these existing systems as the current discrete logic transmitter design is outdated and needing replacement. I do not have the freedom to switch frequency at this point. I am looking for an air core (or PCB material core) coil design and matching network so I can eliminate the current ferrite antenna from the new design to make it even smaller.

Our current antenna produces mostly inductive radiation which works well enough in the existing transmitters to reach the receiver. I can use the existing antenna if no PCB alternative proves sufficient. The current antenna is a 1cm by 2x2mm square wire wrapped ferrite inductor with about 18" of 32ga wire, a couple of surface caps and a surface inductor form the matching network.

This is a high duty cycle application transmitter on for a total of 15 minutes or more per day. A dime cell powered design at 433mhz would require much too much power and has poor human body penetration characteristics. Other frequencies (from 7mhz through 150mhz) are now being authorized for use in through body communication to pacemakers and synthetic organs. We may switch to a somewhate higher frequency for a next generation design but for now must make a compatible 2mhz PCM transmitter to provide ongoing support for the existing systems.

Anyway, if you can help provide antenna and matching network design software or antenna consulting for this project please contact me. We probably have thought about most other options and weighed the issues which include new FDA and FCC certification and regulation issues.

Thanks for your consideration,

Shannon Bailey

```
From 2741836404545568527
X-Google-Thread: 10c9e3,9b9e489107241365
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!prodigy.com!
newsmst01a.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr29.news.prodigy.com.POSTED!ebaaf103!not-for-mail
From: "Dr. Rastis Fafoofnik" <DRFafoofnik@rumpledanus.com>
Newsgroups: rec.ham-radio
References: <bf158466.0409120918.5b4b4ded@posting.google.com>
<9721d.19454$iy7.4356@newssvr29.news.prodigy.com>
<bf158466.0409122021.5305f442@posting.google.com>
Subject: Re: Need help designing 2mhz PCB antenna for tiny transmitter
Lines: 60
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1437
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1441
Message-ID: <nBa1d.20092$Ch4.16630@newssvr29.news.prodigy.com>
NNTP-Posting-Host: 67.123.196.38
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr29.news.prodigy.com 1095054803 ST000 67.123.196.38 (Mon, 13 Sep
2004 01:53:23 EDT)
NNTP-Posting-Date: Mon, 13 Sep 2004 01:53:23 EDT
Organization: SBC http://yahoo.sbc.com
X-UserInfo1:
FKPO@SFDTRRKRTLZLJN^OFXBWR\HPCTL@XT^OBPLAH[\RSAANVUEAE[YETZPIWWI[FCIZA^NBFXZ_D[BFN
TCNVPDTNTKHWXKB@X^B_OCJLPZ@ET_O[G\XSG@E\G[ZKVLBL^CJINM@I_KVIOR\T_M_AW_M[_BWU_HFA_]
@A_A^SGFAUDE_DFTMQPFWVW[QPJN
Date: Mon, 13 Sep 2004 05:53:23 GMT
Xref: g2news1.google.com rec.ham-radio:141
```

"Shannon Bailey" <shannon@simunity.com> wrote in message
news:bf158466.0409122021.5305f442@posting.google.com...
> "Dr. Rastis Fafoofnik" <DRFafoofnik@rumpledanus.com> wrote in message
news:<9721d.19454$iy7.4356@newssvr29.news.prodigy.com>...
> >
> > Why 2Mhz? the antenna won't be efficient at all, and there is a TON of
noise
> > in that band. Why not use some of the prepackaged 433Mhz data TX/RX
modules
> > out there...or 2.4Ghz for remote control?
>
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> most powerful in band interference. We do experience interference
> from security scanners at stores and other sources of 2mhz
> interference, but the button coding scheme avoids most errors. The
> guts of the whole transmitter are the size of an electronic watch
> module and fit inside the persons mouth and use membrane keys for
> buttons.
>
> Several hundred existing FDA approved systems have been in use for up
> to ten years using this frequency. It passes through human tissue
> easily. I am engineering a replacement transmitter design for these
> existing systems as the current discrete logic transmitter design is
> outdated and needing replacement. I do not have the freedom to switch
> frequency at this point. I am looking for an air core (or PCB
> material core) coil design and matching network so I can eliminate the
> current ferrite antenna from the new design to make it even smaller.
>
> Our current antenna produces mostly inductive radiation which works
> well enough in the existing transmitters to reach the receiver. I can
> use the existing antenna if no PCB alternative proves sufficient. The
> current antenna is a 1cm by 2x2mm square wire wrapped ferrite inductor
> with about 18" of 32ga wire, a couple of surface caps and a surface
> inductor form the matching network.
>
> This is a high duty cycle application transmitter on for a total of 15
> minutes or more per day. A dime cell powered design at 433mhz would
> require much too much power and has poor human body penetration
> characteristics. Other frequencies (from 7mhz through 150mhz) are now
> being authorized for use in through body communication to pacemakers
> and synthetic organs. We may switch to a somewhate higher frequency
> for a next generation design but for now must make a compatible 2mhz
> PCM transmitter to provide ongoing support for the existing systems.
>
> Anyway, if you can help provide antenna and matching network design
> software or antenna consulting for this project please contact me. We
> probably have thought about most other options and weighed the issues
> which include new FDA and FCC certification and regulation issues.
>
> Thanks for your consideration,
>

> Shannon Bailey

Perhaps you may want to consider an IR emitter? it can be made small enough, good on power, will have the range you need......just a thought. select a high enough "carrier" freq and it wont be bothered by lighting or other apps nearby.

```
From -8078615506936676476
X-Google-Thread: 10c9e3,fe2304ff4b03c718,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!dedekind.zen.co.uk!
zen.net.uk!demorgan.zen.co.uk!194.72.9.35.MISMATCH!news-peer1!btnet-feed5!btnet!
news.btopenworld.com!not-for-mail
From: g3zhi@hotmail.com (g3zhi)
Newsgroups: rec.ham-radio
Subject: new 2m repeater on space station
Date: Mon, 13 Sep 2004 10:17:58 +0000 (UTC)
Organization: BT Openworld
Lines: 50
Message-ID: <41557397.1753671@news.btinternet.com>
NNTP-Posting-Host: host213-122-49-39.in-addr.btopenworld.com
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: titan.btinternet.com 1095070678 6374 213.122.49.39 (13 Sep 2004 10:17:58
GMT)
X-Complaints-To: news-complaints@lists.btinternet.com
NNTP-Posting-Date: Mon, 13 Sep 2004 10:17:58 +0000 (UTC)
X-Newsreader: Forte Agent 1.5/32.452
Xref: g2news1.google.com rec.ham-radio:142
```

new 2m repeater on space station
a new 2m repeater is now operating on the
international space station 24 x 7
the uplink is on uhf 437.800 and the downlink is on vhf 145.800
no tone burst or ctcss is required
the radio is a kenwood tmd700 operating in remote crossband mode
it just retransmits on vhf what it hears on uhf
so if you are getting through you can hear yourself
on the downlink

anyone can work it using a co-linear

to see where the space station is 'live' check

http://science.nasa.gov/temp/StationLoc.html

for 3 days in advance predictions download the pcsat decoder program http://www.ui-view.com/uiview32/pcdec242.msi

when the iss repeater is being worked the audio may be streamed in the
amsat
conference server on echolink so anyone anywhere in the world can
listen in

73 Ian G3ZHI

http://www.qsl.net/g3zhi - many ham radio links
http://www.ukirlp.co.uk

G4NJI IRLP 5200 Echolink 135909
Rotherham simplex 145.2875mhz

GB3XN IRLP 5708 Echolink 153126
Langold 430.925 Mhz

Ian Abel G3ZHI
52 Hollytree Ave
Maltby
Rotherham
Yorkshire
S66 8DY

Tel: 01709 799911
Mobile 0783 338 0578

From -3540718646027361574
X-Google-Thread: 10c9e3,9b9e489107241365
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: shannon@simunity.com (Shannon Bailey)
Newsgroups: rec.ham-radio
Subject: Re: Need help designing 2mhz PCB antenna for tiny transmitter
Date: 13 Sep 2004 10:18:27 -0700
Organization: http://groups.google.com
Lines: 14
Message-ID: <bf158466.0409130918.7ba7a9cc@posting.google.com>
References: <bf158466.0409120918.5b4b4ded@posting.google.com>
<9721d.19454$iy7.4356@newssvr29.news.prodigy.com>
<bf158466.0409122021.5305f442@posting.google.com>
<nBa1d.20092$Ch4.16630@newssvr29.news.prodigy.com>
NNTP-Posting-Host: 66.134.68.198
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

X-Trace: posting.google.com 1095095908 32186 127.0.0.1 (13 Sep 2004 17:18:28 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Mon, 13 Sep 2004 17:18:28 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:143

Again,

I am looking for an engineer capable of designing a 2mhz 3/4" square
PCB antenna. It can be very inefficient but still must work as well
as possible within the constraints I've specified. Referals would be
great too.

Knowledgable HAMS who can breadboard the design and have sufficient
test gear to verify it are also welcome to contact me. I will provide
a small signal generator circuit for testing.

Thanks,

Shannon

From -1468572403995875825
X-Google-Thread: 10c9e3,6a8dacca726e333b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: mixed_dream@yahoo.com (SlackWare)
Newsgroups: rec.ham-radio
Subject: is there any thing called voip that i can use with my 2 way radio ??
Date: 14 Sep 2004 00:22:06 -0700
Organization: http://groups.google.com
Lines: 4
Message-ID: <676f8692.0409132322.6740fd30@posting.google.com>
NNTP-Posting-Host: 203.188.243.108
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1095146532 11933 127.0.0.1 (14 Sep 2004 07:22:12 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Tue, 14 Sep 2004 07:22:12 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:144

hi !
     is there any thing called viop that can be used for my 2 way
radio ?? i just heared of it from a friend that ... i can use it ..for
my 2 way ? is there any thing like this ??

From -3229560532279761262
X-Google-Thread: 10c9e3,6a8dacca726e333b
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!
border1.nntp.dca.giganews.com!nntp.giganews.com!local1.nntp.dca.giganews.com!

```
nntp.adelphia.com!news.adelphia.com.POSTED!not-for-mail
NNTP-Posting-Date: Tue, 14 Sep 2004 15:23:28 -0500
Date: Tue, 14 Sep 2004 16:23:27 -0400
From: Dave Bushong <dbushong@adelphia.net>
User-Agent: Mozilla Thunderbird 0.5 (Windows/20040207)
X-Accept-Language: en-us, en
MIME-Version: 1.0
Newsgroups: rec.ham-radio
Subject: Re: is there any thing called voip that i can use with my 2 way radio
 ??
References: <676f8692.0409132322.6740fd30@posting.google.com>
In-Reply-To: <676f8692.0409132322.6740fd30@posting.google.com>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
Message-ID: <JLKdnRx_VrXdztrcRVn-sg@adelphia.com>
Lines: 31
NNTP-Posting-Host: 67.21.241.108
X-Trace: sv3-Zy6GpujCo0DVHpYZBRR/gWpcvTZkYWULFsdM/SWM2W3GoBvXU8P/
dnzmGL2MooCSrksNo4NmYC+csD6!mhUuLQPH1ilQSVGnROPnugY0Uea9hcRs/E/
KZbDUSGg56jjHDjhg71aPtcjta/6mL7ag3pFXXr7h!qIUiaigUEIUPi1SR
X-Complaints-To: abuse@adelphia.net
X-DMCA-Complaints-To: copyright@adelphia.net
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint
properly
X-Postfilter: 1.3.13
Xref: g2news1.google.com rec.ham-radio:145

SlackWare wrote:

> hi !
>       is there any thing called viop that can be used for my 2 way
> radio ?? i just heared of it from a friend that ... i can use it ..for
> my 2 way ? is there any thing like this ??

I'm not sure what you are asking about.  Try

www.echolink.org

and see if that would be a good starting point.  I assume meant VOIP
like your subject said, and not VIOP as you message body said.

There are several programs that will allow you to access your radio
remotely, if that is what you mean.  Some use NetMeeting to do it, and
they seem to work well.

Take care, and if you want to contact me personally, read the stuff at
the end of this message.

73,
Dave

--
```

Please put
DBB04
somewhere in the subject line (this year) if
you reply via email, otherwise I will not get
your message. Newsgroups postings don't need it.
Thanks!

From 3465536733662008351
X-Google-Thread: 10c9e3,49cf1039ff62cb27,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: danvidlop@alum.us.es (EB7GFH)
Newsgroups: rec.ham-radio
Subject: 2m Base Antenna
Date: 15 Sep 2004 03:55:36 -0700
Organization: http://groups.google.com
Lines: 5
Message-ID: <6959ca06.0409150255.22fceb96@posting.google.com>
NNTP-Posting-Host: 80.58.1.170
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1095245737 3074 127.0.0.1 (15 Sep 2004 10:55:37 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Wed, 15 Sep 2004 10:55:37 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:147

Hi! I'd like to install a base antenna in my house. What kind of
antenna would yo recomend me? I'd like to build one for my base
station, but i cannot decide what's the best.

Thanks in advance, and excuse for my english.

From -8011476747644928062
X-Google-Thread: 10c9e3,49cf1039ff62cb27
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!
border1.nntp.dca.giganews.com!nntp.giganews.com!local1.nntp.dca.giganews.com!
nntp.comcast.com!news.comcast.com.POSTED!not-for-mail
NNTP-Posting-Date: Wed, 15 Sep 2004 06:49:02 -0500
From: "Dee D. Flint" <deeflint01@comcast.net>
Newsgroups: rec.ham-radio
References: <6959ca06.0409150255.22fceb96@posting.google.com>
Subject: Re: 2m Base Antenna
Date: Wed, 15 Sep 2004 07:48:49 -0400
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3

```
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1409
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1409
Message-ID: <AJWdncIr2dyzsdXcRVn-jw@comcast.com>
Lines: 14
NNTP-Posting-Host: 68.61.219.45
X-Trace: sv3-jXjLexwHMoU3gbcZN09U7yDjVQWp+2/5xTDyQUAMXr2QlsA3zCFBil/
qrBxBCA6iAemyCo4YaylpWxA!XwDTu5tV+lUoqXuQruW6oBAmyKNh2Bt/
iM5fcXV5b+FbrHNpWuUVDjmWo5Kq
X-Complaints-To: abuse@comcast.net
X-DMCA-Complaints-To: dmca@comcast.net
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint
properly
X-Postfilter: 1.3.13
Xref: g2news1.google.com rec.ham-radio:148
```

"EB7GFH" <danvidlop@alum.us.es> wrote in message
news:6959ca06.0409150255.22fceb96@posting.google.com...

> Hi! I'd like to install a base antenna in my house. What kind of
> antenna would yo recomend me? I'd like to build one for my base
> station, but i cannot decide what's the best.
>
> Thanks in advance, and excuse for my english.

What kind of activity are you planning from your base station? Will it be just working repeaters or do you plan to do some 2m SSB and CW?

Dee D. Flint, N8UZE

```
From 4167235479441460999
X-Google-Thread: 10c9e3,6a8dacca726e333b
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: oceanofbelief@hotmail.com (Steve)
Newsgroups: rec.ham-radio
Subject: Re: is there any thing called voip that i can use with my 2 way radio ??
Date: 15 Sep 2004 11:53:08 -0700
Organization: http://groups.google.com
Lines: 7
Message-ID: <8e29b80d.0409151053.2bcf4138@posting.google.com>
References: <676f8692.0409132322.6740fd30@posting.google.com>
NNTP-Posting-Host: 203.190.3.35
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1095274388 30192 127.0.0.1 (15 Sep 2004 18:53:08 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Wed, 15 Sep 2004 18:53:08 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:149
```

```
mixed_dream@yahoo.com (SlackWare) wrote in message
news:<676f8692.0409132322.6740fd30@posting.google.com>...
> hi !
>      is there any thing called viop that can be used for my 2 way
> radio ?? i just heared of it from a friend that ... i can use it ..for
> my 2 way ? is there any thing like this ??

Try .. dingotel.com


From 7174322683174797586
X-Google-Thread: 10c9e3,f9d0bd8334e534cc
X-Google-Thread: 108778,f9d0bd8334e534cc
X-Google-Thread: fb049,f9d0bd8334e534cc
X-Google-Thread: 108122,f9d0bd8334e534cc
X-Google-Thread: 1031c8,f9d0bd8334e534cc
X-Google-Attributes: gid10c9e3,gid108778,gidfb049,gid108122,gid1031c8,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!sn-xit-02!sn-xit-01!sn-post-01!
supernews.com!corp.supernews.com!not-for-mail
From: "Doug Birky" <dgbirky@voyager.net>
Newsgroups: rec.ham-radio,alt.radio.amateur,alt.ham-radio.vhf-
uhf,rec.radio.amateur.equipment,rec.radio.amateur.swap
Subject: Re: New ham wants advice on a good 2m/440 HT for a first radio
Date: Sat, 25 Sep 2004 08:04:15 -0500
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <10lar89kmen8k1e@corp.supernews.com>
References: <TTaZc.94588$Fg5.26081@attbi_s53>
<88bb34bc.0409050829.30c6bcc1@posting.google.com>
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
X-Complaints-To: abuse@supernews.com
Lines: 16
Xref: g2news1.google.com alt.radio.amateur:261 alt.ham-radio.vhf-uhf:2034
rec.radio.amateur.equipment:2435

I use the VX150 (2m only) and love it. I have not tried the FT60R, but if it
is half as reliable it should be a good unit.

Doug/KC8YEC

"Clint Bradford" <clintbrad4d@earthlink.net> wrote in message
news:88bb34bc.0409050829.30c6bcc1@posting.google.com...
> > I am looking for opinions about HTs that cover the 2meter and 70cm bands
> > and have at least 5 watts output...
>
> Yaesu just introduced the FT-60R handheld that meets your requirements
> - it is a great HT for $200!
>
> Clint Bradford, K6LCS
```

From -7560449183032172881
X-Google-Thread: 10c9e3,f9d0bd8334e534cc
X-Google-Thread: 108778,f9d0bd8334e534cc
X-Google-Thread: fb049,f9d0bd8334e534cc
X-Google-Thread: 108122,f9d0bd8334e534cc
X-Google-Thread: 1031c8,f9d0bd8334e534cc
X-Google-Attributes: gid10c9e3,gid108778,gidfb049,gid108122,gid1031c8,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews1.google.com!not-for-mail
From: rjstewart@gmail.com (Rob Stewart)
Newsgroups: rec.ham-radio,alt.radio.amateur,alt.ham-radio.vhf-uhf,rec.radio.amateur.equipment,rec.radio.amateur.swap
Subject: Re: New ham wants advice on a good 2m/440 HT for a first radio
Date: 26 Sep 2004 19:36:32 -0700
Organization: http://groups.google.com
Lines: 21
Message-ID: <dbf0d969.0409261836.21ca18e4@posting.google.com>
References: <TTaZc.94588$Fg5.26081@attbi_s53>
NNTP-Posting-Host: 69.197.237.19
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1096252592 15576 127.0.0.1 (27 Sep 2004 02:36:32 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Mon, 27 Sep 2004 02:36:32 +0000 (UTC)
Xref: g2news1.google.com alt.radio.amateur:266 alt.ham-radio.vhf-uhf:2055 rec.radio.amateur.equipment:2469

> I passed my Element 2 exam last week and am eagerly awaiting the posting
> of my Tech ticket on the FCC site. In the meantime, I have been doing

I'm in a similar boat, having passed my BASIC (Canada) exam. I need something very rugged because a) I will take this everywhere, including camping trips and b) I tend to drop things!!!

I've done a lot of reading on the eHAM site (posted elsewhere) and did a lot of listening on my scanner to hams in Toronto. I had the occastion a few days ago to listen in to a conversation between two hams with the VX-7R, the model I'm most interested in. I was worried about the sound quality postings but they sounded great. Then I heard one of them mention he was on an external mic. Just then another ham buddy of mine came into the conversation. I called him on his cell and he relayed my request to have the two vx-7r's switch to their internal mics. They did and they both sounded GREAT!

I've basically decided to go ahead with the vx-7r, now that I've had the chance to hear them in action!

Rob

From -3888188693436508882
X-Google-Thread: 10c9e3,fb6a70d23fcf52dd,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news3.google.com!news.glorb.com!wns13feed!
worldnet.att.net!attbi_s01.POSTED!53ab2750!not-for-mail
From: Prissyme <Prissyme@HOTMAIL.COM>
Newsgroups: rec.ham-radio
Subject: Hey- I want a free IPOD, Why not you.
Reply-To: Prissyme@HOTMAIL.COM
Message-ID: <7bm3215610v80oduvno6rf47nq4oitdceu@4ax.com>
X-Newsreader: Forte Agent 2.0/32.652
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 39
NNTP-Posting-Host: 12.223.129.130
X-Complaints-To: abuse@comcast.net
X-Trace: attbi_s01 1109514513 12.223.129.130 (Sun, 27 Feb 2005 14:28:33 GMT)
NNTP-Posting-Date: Sun, 27 Feb 2005 14:28:33 GMT
Organization: Comcast Online
Date: Sun, 27 Feb 2005 14:28:34 GMT
Xref: g2news1.google.com rec.ham-radio:1

Hey- I want a free IPOD, Why not you.

Check out this site that is giving away totally FREE iPods!

I've joined and I think you should as well.
I'm not gonna say I'm a skeptic, I'm not, I just thought it would be
fun to try. Besides I was going to
sign up for Blockbuster ONline anyways which is one of the deals you
can sign up for. It cheaper than Netflix
right now and you get the same deal. Who knows maybe I'll change back
later

It's a completely legitimate offer, and this company has already given
away $4 million in FREE stuff!
Below are links with articles from different news sources like Wired
Magazine and the BBC, and Screensavers
off of TechTv/G4tv.

All you have to do is join, complete an online offer, and refer
friends to do the same. That's it! Well and
get 5 referrals. Cant Hurt they dont ask for any Credit card numbers
only a address to send the IPOD to.

Here is my referral link. To help me get my iPod, click this exact
link to join, or copy and paste it into a browser:
http://www.freeiPods.com/?r=13048380

THey also sponsor other free stuff websites.

Sites about the free IPODS:

http://www.wired.com/news/mac/0,2125,64614,00.html

http://news.bbc.co.uk/1/hi/programmes/newsnight/3683524.stm

http://www.g4techtv.com/videos/index.html?video_key=8872 The
Screensavers Video

```
From -3321915992954431521
X-Google-Thread: 10c9e3,6fd14c66ef4673dc,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news4.google.com!news.glorb.com!atl-c03.usenetserver.com!
hwmnpeer01.phx!hwmedia!hw-poster!fe11.lga.POSTED!53ab2750!not-for-mail
From: Sky King <SkyKing310b@optonline.net>
Organization: Flying Crown Ranch
User-Agent: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.7.2) Gecko/
20040804 Netscape/7.2 (ax)
X-Accept-Language: en-us, en
MIME-Version: 1.0
Newsgroups: rec.ham-radio
Subject: FA:  LAFAYETTE HA-460, 6 METER RADIO **NICE**
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
Lines: 8
Message-ID: <shvVd.6721$DF.1928@fe11.lga>
Date: Wed, 02 Mar 2005 22:07:34 -0500
NNTP-Posting-Host: 24.47.254.156
X-Complaints-To: abuse@cv.net
X-Trace: fe11.lga 1109819608 24.47.254.156 (Wed, 02 Mar 2005 20:13:28 MST)
NNTP-Posting-Date: Wed, 02 Mar 2005 20:13:28 MST
Xref: g2news1.google.com rec.ham-radio:2
```

Take a look if you like...

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=5755512325

73

```
From -8523794321630192228
X-Google-Thread: 10c9e3,2aedf5581ac8b592,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news3.google.com!news.glorb.com!news.moat.net!lon-
```

transit.news.telstra.net!lon-spool.news.telstra.net!lon-in.news.telstra.net!
news.telstra.net!news-server.bigpond.net.au!53ab2750!not-for-mail
From: "Rod" <marestails@bigpond.com>
Newsgroups: rec.ham-radio
Subject: Male connectores for LDF-250
Lines: 5
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2900.2180
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2900.2180
X-RFC2646: Format=Flowed; Original
Message-ID: <8LNWd.186933$K7.145968@news-server.bigpond.net.au>
Date: Mon, 07 Mar 2005 01:03:00 GMT
NNTP-Posting-Host: 144.134.141.61
X-Complaints-To: abuse@bigpond.net.au
X-Trace: news-server.bigpond.net.au 1110157380 144.134.141.61 (Mon, 07 Mar 2005 12:03:00 EST)
NNTP-Posting-Date: Mon, 07 Mar 2005 12:03:00 EST
Organization: BigPond Internet Services
Xref: g2news1.google.com rec.ham-radio:3

need 4 of these can anyone help
Cheers Rod
VK2TWR

From 8614214026413723548
X-Google-Thread: 10c9e3,369b2afb1119886e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII
Path: g2news1.google.com!news4.google.com!news.glorb.com!
border1.nntp.dca.giganews.com!nntp.giganews.com!newshosting.com!
nx02.iad01.newshosting.com!diablo.voicenet.com!diablo3.voicenet.com!
newshost01.allthenewsgroups.com!not-for-mail
From: "Mr. Amazing!!!!!!!!" <q57fKu@d9VNt.com>
Newsgroups: rec.ham-radio
Distribution: Global
Subject: New Digital Device Opens PPV TV Channels+ 70
Message-ID: <51df$422bef60$83d8a3c5$4945@allthenewsgroups.com>
X-Complaints-To: abuse@allthenewsgroups.com
Organization: AllTheNewsGroups.com
Date: Mon, 07 Mar 2005 06:06:24 +0000
Lines: 105
X-Trace: 51df422bef60267d06604945
Xref: g2news1.google.com rec.ham-radio:4

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View Over 40 Pay-Per-View Movies Channels FREE!
View 8 HBO's/5 Cinemax's/10 Showtime's/8 Starz, etc. FREE!
View Seven Adult Channels FREE FREE FREE � 24 Hours A Day (Non-Stop Action)!
Boxing/Football/Soccer/Baseball/Basketball � ALL Sports Packages FREE (With No Black Outs)!
Receive Home-Town Local Broadcast Television Stations from 4 Time Zones
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Works In the USA and Canada � plus ALL of North and South America and Territories!
Works on: Nagravision, Seca, Viaccess #1 and #2, Irdeto One and Betacrypt Digital Satellite Signals!!!!

NOTE TO AUSTRAILIANS: We get many request about the Australia�s "Foxtel Channel". Our New XP2500A Receiver works nearly ANY where in the world - but it will NOT receive "Australia�s FOXTEL Broadcast Channel" as of yet.....they use Irdeto #2 a Decoding System.....so wait patiently - our Descrambling Technicians are working HARD on this one, to brake the code.
International Customers.

Our NEW XP2500A Digital Satellite Television Receiver - NOW UNSCRAMBLES THE FOLLOWING SIGNALS:
ABsat
ABS-CBN
Arabesque (ART)
Astro TV
BBC Prime
C+ NL
Canada's Bell ExpressVU
Canal + France
Canal 7 TV Madrid
Canal Pro TV
Canal Rural
Canal Rural
Canal Satellite
Canal Sky-net
Canal+ Digital
Canal+ Digital Aerial
Canal+ Vlanderen
CanalSat
CFI Peco Pro

Channel RAI TV
Cine+ Digital
Cohem sweden
C-SKY NET
CYFRA+
DigiFunClub
Digital+
Dish Network (USA)
Dream TV
EMI Special Channel
Eurosport
Euskaltel
FT Cable
Globe Cast MMBN
GlobeCast
GlobeCast Espana
GlobeCast France
HRT
MCM Europe
Mediaset
Mediavision
MiniMax
MMBN
MTV networks
Orbit Network
ORF Austria
Parabole reunion
Polsat
Premiere
SABC
Selector Tele
Senda/Boxer
SRG Swiss
SVT Europa
Taipei International
TBL TV
Televisa
TPS
TV Cabo
TV Slovenia
TVBS
ViaSat Europe
ViaSat Nordic

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y1PbBQTvvHpF2v7xPYGaUZhCD0mz0PWD9jYLLhIPWHRfzQcUf9OWjkS1QK2Z7Ygseh92wu

```
From -1820338439746636085
X-Google-Thread: 114a57,161c5e6abbb46ab6,start
X-Google-Thread: 114671,161c5e6abbb46ab6,start
X-Google-Thread: 10bdb7,161c5e6abbb46ab6,start
X-Google-Thread: 10c9e3,161c5e6abbb46ab6,start
X-Google-Thread: 106d41,161c5e6abbb46ab6,start
X-Google-Attributes: gid114a57,gid114671,gid10bdb7,gid10c9e3,gid106d41,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news4.google.com!newshub.sdsu.edu!logbridge.uoregon.edu!
arclight.uoregon.edu!enews.sgi.com!news.xtra.co.nz!usenet.net.nz!abnormal.com!lon-
transit.news.telstra.net!lon-in.news.telstra.net!news.telstra.net!news-
server.bigpond.net.au!53ab2750!not-for-mail
From: "Trev 999" <trr69@hotmail.com>
Newsgroups: alt.ham-radio.hf,aus.radio.amateur.misc,aus.radio.cb,rec.ham-
radio,rec.radio,rec.radio.cb
Subject: Philips 815 repeater documents required
Lines: 7
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2900.2527
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2900.2527
X-RFC2646: Format=Flowed; Original
Message-ID: <7%rZd.197912$K7.170901@news-server.bigpond.net.au>
Date: Tue, 15 Mar 2005 02:45:23 GMT
NNTP-Posting-Host: 203.51.32.124
X-Complaints-To: abuse@bigpond.net.au
X-Trace: news-server.bigpond.net.au 1110854723 203.51.32.124 (Tue, 15 Mar 2005
13:45:23 EST)
NNTP-Posting-Date: Tue, 15 Mar 2005 13:45:23 EST
Organization: BigPond Internet Services
Xref: g2news1.google.com alt.ham-radio.hf:990 aus.radio.amateur.misc:4196
aus.radio.cb:3480 rec.ham-radio:5 rec.radio.cb:19513
```

Hello everyone
Does somebody have any documents for a RX/TX 815 repeater thats a W1 (uhf
cb). Our club is wanting to set one up.
Please email them to trr69@hotmaily.com (drop the y)
Thanks in advance.

```
From -2457715610631306150
X-Google-Thread: 10c9e3,875d87eba4b5635f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news3.google.com!news.glorb.com!
```

newscon02.news.prodigy.com!prodigy.net!newsmst01a.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!newssvr19.news.prodigy.com.POSTED!42a86eec!not-for-mail
From: Carter Grabarczyk <k8vt@ameritech.net>
User-Agent: Mozilla/5.0 (Windows; U; Win98; en-US; rv:1.7.5) Gecko/20041217
X-Accept-Language: en-us, en
MIME-Version: 1.0
Newsgroups: rec.ham-radio
Subject: Johnson Matchbox on 30 Mtrs?
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
Lines: 12
Message-ID: <lABZd.5373$ZB6.3122@newssvr19.news.prodigy.com>
NNTP-Posting-Host: 68.73.38.21
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr19.news.prodigy.com 1110893969 ST000 68.73.38.21 (Tue, 15 Mar 2005 08:39:29 EST)
NNTP-Posting-Date: Tue, 15 Mar 2005 08:39:29 EST
Organization: SBC http://yahoo.sbc.com
X-UserInfo1:
Q[RGW[GNCBSSPV\XKROVO\@@VJ^ZTB\MV@B@LWQHBATBTSUBYFWEAE[YJLYPIWKHTFCMZKVMB^[Z^DOBRV
VMOSPFHNSYXVDIE@X\BUC@GTSX@DL^GKFFHQCCE\G[JJBMYDYIJCZM@AY]GNGPJD]YNNW\GSX^GSCKHA[]
@CCB\[@LATPD\L@J\\PF]VR[QPJN
Date: Tue, 15 Mar 2005 13:39:29 GMT
Xref: g2news1.google.com rec.ham-radio:6

Not sure if this is the right forum/newsgroup or not, but let me try it...

I am using a Johnson KW Matchbox antenna tuner with a 130 foot long, 30 foot high dipole fed with about 40 feet of ladder (window) line. It works well on all bands including the WARC bands *except* for 30 meters.

The question is, does anyone have any tips/suggestions/modifications to make this operate on 30 meters?

73,
Carter
K8VT

From -4613088525831942822
X-Google-Thread: 10c9e3,875d87eba4b5635f
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
X-Proxy-User: $$no5i9e5zxpb2
From: "Edward A. Feustel" <efeustel@direcway.com>
Newsgroups: rec.ham-radio
References: <lABZd.5373$ZB6.3122@newssvr19.news.prodigy.com>
Subject: Re: Johnson Matchbox on 30 Mtrs?
Date: Wed, 16 Mar 2005 07:35:48 -0500
Lines: 38
X-Priority: 3
X-MSMail-Priority: Normal

X-Newsreader: Microsoft Outlook Express 6.00.2900.2527
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2900.2527
X-RFC2646: Format=Flowed; Response
Message-ID: <423828e7$1_1@127.0.0.1>
X-Comments: This message was posted through <A href
X-Comments2: IMPORTANT: Newsfeeds.com does not condone,
X-Report: Please report illegal or inappropriate use to
Organization: Newsfeeds.com http://www.newsfeeds.com 100,000+ UNCENSORED Newsgroups.
Path: g2news1.google.com!news1.google.com!newsread.com!newsprint.newsread.com!news-east.rr.com!news.rr.com!news-out.newsfeeds.com!spool9-west!not-for-mail
Xref: g2news1.google.com rec.ham-radio:7

"Carter Grabarczyk" <k8vt@ameritech.net> wrote in message
news:lABZd.5373$ZB6.3122@newssvr19.news.prodigy.com...
> Not sure if this is the right forum/newsgroup or not, but let me try it...
>
> I am using a Johnson KW Matchbox antenna tuner with a 130 foot long, 30
> foot high dipole fed with about 40 feet of ladder (window) line. It works
> well on all bands including the WARC bands *except* for 30 meters.
>
> The question is, does anyone have any tips/suggestions/modifications to
> make this operate on 30 meters?
>
> 73,
> Carter
> K8VT
>

You do not say what positions you use on 30m. I have found that the 20 m position works better on some antennas and the 40 m position works better on others.

It is likely that the impedance is too high to be tuned successfully with your antenna the way that it is now. Try adding to your feedline which will transform the impedance to your antenna to a different value. One ham whose call I cannot remember has developed a switching system enabling one to select a different length of transmission line varying from 1 to quite a few feet. Just a fraction of a wavelength can transform the impedance of your antenna to something that can be matched.

If this does not work, try adding a parallel element to your dipole that is 1/2 or 3/4 wavelength on
30.

You might search Google on the newsgroup rec.radio.amateur.antenna to see if you can find more information
Regards,
Ed, N5EI

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http://www.newsfeeds.com The #1 Newsgroup Service in the World! >100,000 Newsgroups
---= East/West-Coast Server Farms - Total Privacy via Encryption =---

```
From 6155633546845505043
X-Google-Thread: 10c9e3,e1cb75ef4e378b1a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews.google.com!not-for-mail
From: helthansen@hotmail.com (Gorm Helt-Hansen)
Newsgroups: rec.ham-radio
Subject: Going to the Hamvention
Date: 17 Mar 2005 08:58:10 -0800
Organization: http://groups.google.com
Lines: 8
Message-ID: <5a51d703.0503170858.7d6a7a51@posting.google.com>
NNTP-Posting-Host: 217.157.119.132
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1111078691 25043 127.0.0.1 (17 Mar 2005 16:58:11 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Thu, 17 Mar 2005 16:58:11 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:8

Hi.

I'm going to the Hamvention and staying at the Days Inn Hotel on Miller Lane.
Anybody else staying there?

Vy 73 de  Gorm / OZ6GH

email: helthansen(at)vip.cybercity.dk


From 3724426478422627965
X-Google-Thread: 10c9e3,81a882d66d0d97a8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news3.google.com!news.glorb.com!
newscon02.news.prodigy.com!prodigy.net!newsmst01a.news.prodigy.com!prodigy.com!
postmaster.news.prodigy.com!newssvr17.news.prodigy.com.POSTED!9d73b09e!not-for-
mail
From: "K9YA Telegraph" <no_reply@yahoo.com>
Newsgroups: rec.ham-radio
Subject: Ham Radio Magazine - FREE subscription
Lines: 22
Organization: Robert F. Heytow Memorial Radio Club
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2900.2527
X-RFC2646: Format=Flowed; Original
```

```
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2900.2527
Message-ID: <1N1%d.12089$DW.4598@newssvr17.news.prodigy.com>
NNTP-Posting-Host: 68.21.191.198
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr17.news.prodigy.com 1111271613 ST000 68.21.191.198 (Sat, 19 Mar
2005 17:33:33 EST)
NNTP-Posting-Date: Sat, 19 Mar 2005 17:33:33 EST
X-UserInfo1:
FKPO@MON[J@WRQ@[N[O@_WH@YR_B@EXLLBWLOOAF@YUDUWYAKVUOPCW[ML\JXUCKVFDYZKBMSFX^OMSAFN
TINTDDMVW[X\THOPXZRVOCJTUTPC\_JSBVX\KAOTBAJBVMZTYAKMNLDI_MFDSSOLXINH__FS^\WQGHGI^C
@E[A_CF\AQLDQ\BTMPLDFNVUQ_VM
Date: Sat, 19 Mar 2005 22:33:33 GMT
Xref: g2news1.google.com rec.ham-radio:9
```

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Secret Service for Me By Paul Hendershott, W9BBR
A Novel Rotary Rhombic Antenna By Dick Sylvan, W9CBT
My J-38 and Radio Magic By Rick Hiller, W5RH
Beat Me Daddy, Eight to the Bar By Rod Newkirk, VA3ZBB/W9BRD
Help Wanted

```
From 6516427612182770567
X-Google-Thread: 10c9e3,799dbb4a9918f4fa,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news3.google.com!news.glorb.com!meganewsservers.com!
feeder2.on.meganewsservers.com!feed.cgocable.net!pd7cy1no!shaw.ca!pd7tw1no.POSTED!
53ab2750!not-for-mail
X-Trace-PostClient-IP: 24.80.67.101
From: Jacob Sheehy <jacob.sheehy@gmail.com>
Subject: Totally new
User-Agent: Pan/0.14.2 (This is not a psychotic episode. It's a cleansing moment
of clarity.)
Message-Id: <pan.2005.03.21.03.13.41.850788@gmail.com>
Newsgroups: rec.ham-radio
MIME-Version: 1.0
```

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Lines: 17
Date: Mon, 21 Mar 2005 03:13:42 GMT
NNTP-Posting-Host: 64.59.144.75
X-Complaints-To: abuse@shaw.ca
X-Trace: pd7tw1no 1111374822 64.59.144.75 (Sun, 20 Mar 2005 20:13:42 MST)
NNTP-Posting-Date: Sun, 20 Mar 2005 20:13:42 MST
Organization: Shaw Residential Internet
Xref: g2news1.google.com rec.ham-radio:10

Hello all,

I'm completely new to the world of ham radio. In fact, I'm so new that I barely know anything at all. It's completely overwhelming searching on the web for good stuff to read about how it works, the culture, and all, so I was wondering if I could get any pointers to good websites that offer an introduction? Searching using google for something like this just offers too much information. Thank you.

Jacob

--
Jacob Sheehy
jacob.sheehy@gmail.com
http://www.sheehy.ca/crypto/forum

From 7264724165979124622
X-Google-Thread: 10c9e3,799dbb4a9918f4fa
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news4.google.com!news.glorb.com!
border1.nntp.dca.giganews.com!nntp.giganews.com!local01.nntp.dca.giganews.com!
nntp.comcast.com!news.comcast.com.POSTED!not-for-mail
NNTP-Posting-Date: Sun, 20 Mar 2005 23:19:08 -0600
From: "Bryan" <bryan.swadenerNOSPAM@comcast.net>
Newsgroups: rec.ham-radio
References: <pan.2005.03.21.03.13.41.850788@gmail.com>
Subject: Re: Totally new
Date: Sun, 20 Mar 2005 21:15:01 -0800
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <4PWdnWjfaODRxKPfRVn-tw@comcast.com>
Lines: 29
NNTP-Posting-Host: 24.22.138.22
X-Trace: sv3-
UTaZvemgBK6cKt4tVcbnPFt3pHLCGHcjS1lFS59Cf+Peq1KrIlhSZKYAjKz9u1bfYMsCVN8lIDs7Plh!
lRW5C+N5LsPS7LIyCS4WnLMCZT7n+k7wFUNWIyvG+hOytqoEpEA86yIihzggJ26vTcXDwvxS3oDI!

```
71Zcke8=
X-Complaints-To: abuse@comcast.net
X-DMCA-Complaints-To: dmca@comcast.net
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint
properly
X-Postfilter: 1.3.32
Xref: g2news1.google.com rec.ham-radio:11

"Jacob Sheehy" <jacob.sheehy@gmail.com> wrote in message
news:pan.2005.03.21.03.13.41.850788@gmail.com...
> Hello all,
>
> I'm completely new to the world of ham radio. In fact, I'm so new that I
> barely know anything at all. It's completely overwhelming searching on the
> web for good stuff to read about how it works, the culture, and all, so I
> was wondering if I could get any pointers to good websites that offer an
> introduction? Searching using google for something like this just offers
> too much information. Thank you.
>
> Jacob
>
>
> --
> Jacob Sheehy
> jacob.sheehy@gmail.com
> http://www.sheehy.ca/crypto/forum
>

A good start would be Radio Amateurs of Canada.  It's Canada's national ham
radio organization and can be found at http://www.rac.ca/.  The US
counterpart is the American Radio Relay League (ARRL).  It's can be found at
http://www.arrl.org/.  Between the two, you should be able to learn
everything you want to know.  Good luck!
Bryan, WA7PRC
Everett, WA USA




From 7269997507301697673
X-Google-Thread: 10c9e3,a510367f9c2dd40a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews.google.com!z14g2000cwz.googlegroups.com!not-for-
mail
From: AD747@lafn.org
Newsgroups: rec.ham-radio
Subject: Using a Yeasu FT-727R HT on 447.020- ?
Date: 21 Mar 2005 23:35:15 -0800
Organization: http://groups.google.com
Lines: 9
Message-ID: <1111476915.908864.79220@z14g2000cwz.googlegroups.com>
```

NNTP-Posting-Host: 4.31.2.101
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
X-Trace: posting.google.com 1111476919 1097 127.0.0.1 (22 Mar 2005 07:35:19 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Tue, 22 Mar 2005 07:35:19 +0000 (UTC)
User-Agent: G2/0.2
Complaints-To: groups-abuse@google.com
Injection-Info: z14g2000cwz.googlegroups.com; posting-host=4.31.2.101;
   posting-account=gCs2DwwAAADOZuUjBOhgOKETf7S8BXdA
Xref: g2news1.google.com rec.ham-radio:12

If you have figured a way to modify your FT-727R dual bander I would really like to hear from you. The emergency group I am a member of has a new repeater and I cannot program the radio to the "new" band plan frequencies.

Thanks--
Alan AA6DW
ad747@lafn.org

From 5801332890261127591
X-Google-Thread: 10c9e3,a510367f9c2dd40a
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!newsread.com!newsprint.newsread.com!
news-feed01.roc.ny.frontiernet.net!nntp.frontiernet.net!
newscon06.news.prodigy.com!prodigy.net!newsmst01a.news.prodigy.com!prodigy.com!
postmaster.news.prodigy.com!newssvr14.news.prodigy.com.POSTED!758ec0cd!not-for-mail
From: "Dr. Rastis Fafoofnik" <DRFafoofnik@rumpledanus.com>
Newsgroups: rec.ham-radio
References: <1111476915.908864.79220@z14g2000cwz.googlegroups.com>
Subject: Re: Using a Yeasu FT-727R HT on 447.020- ?
Lines: 16
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <bqW%d.14441$C47.3229@newssvr14.news.prodigy.com>
NNTP-Posting-Host: 70.219.160.151
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr14.news.prodigy.com 1111503623 ST000 70.219.160.151 (Tue, 22 Mar 2005 10:00:23 EST)
NNTP-Posting-Date: Tue, 22 Mar 2005 10:00:23 EST
Organization: SBC http://yahoo.sbc.com
X-UserInfo1:
Q[R_PJSCOXSWB]]YIROD]_\@VR]^@B@MCPWZKB]MPXH@ETUCCNSKQFCY@TXDX_WHSVB]ZEJLSNY\^J[CUV
SA_QLFC^RQHUPH[P[NRWCCMLSNPOD_ESALHUK@TDFUZHBLJ\XGKL^NXA\EVHSP[D_C^B_^JCX^W]CHBAX]
POG@SSAZQ\LE[DCNMUPG_VSC@VJM
Date: Tue, 22 Mar 2005 15:00:23 GMT

```
Xref: g2news1.google.com rec.ham-radio:14


<AD747@lafn.org> wrote in message
news:1111476915.908864.79220@z14g2000cwz.googlegroups.com...
> If you have figured a way to modify your FT-727R dual bander I would
> really like to hear from you. The emergency group I am a member of has
> a new repeater and I cannot program the radio to the "new" band plan
> frequencies.
>
> Thanks--
> Alan AA6DW
> ad747@lafn.org
>
P.S...if your looking for a MOBILE.....
Icom T7H is a cheap dual bander that does 20Khz splits.....




From -6326823398297408909
X-Google-Thread: 10c9e3,a510367f9c2dd40a
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news4.google.com!news.glorb.com!in.100proofnews.com!
in.100proofnews.com!newscon06.news.prodigy.com!prodigy.net!
newsmst01a.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr14.news.prodigy.com.POSTED!758ec0cd!not-for-mail
From: "Dr. Rastis Fafoofnik" <DRFafoofnik@rumpledanus.com>
Newsgroups: rec.ham-radio
References: <1111476915.908864.79220@z14g2000cwz.googlegroups.com>
Subject: Re: Using a Yeasu FT-727R HT on 447.020- ?
Lines: 17
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <apW%d.14440$C47.11379@newssvr14.news.prodigy.com>
NNTP-Posting-Host: 70.219.160.151
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr14.news.prodigy.com 1111503558 ST000 70.219.160.151 (Tue, 22 Mar
2005 09:59:18 EST)
NNTP-Posting-Date: Tue, 22 Mar 2005 09:59:18 EST
Organization: SBC http://yahoo.sbc.com
X-UserInfo1:
Q[R_@SZGWRCYRU@[N[O@_WH@YR_B@EXLLBWLOOAF@YUDUWYAKVUOPCW[ML\JXUCKVFDYZKBMSFX^OMSAFN
TINTDDMVW[X\THOPXZRVOCJTUTPC\_JSBVX\KAOTBAJBVMZTYAKMNLDI_MFDSSOLXINH__FS^\WQGHGI^C
@E[A_CF\AQLDQ\BTMPLDFNVUQ_VM
Date: Tue, 22 Mar 2005 14:59:18 GMT
Xref: g2news1.google.com rec.ham-radio:13


<AD747@lafn.org> wrote in message
```

```
news:1111476915.908864.79220@z14g2000cwz.googlegroups.com...
> If you have figured a way to modify your FT-727R dual bander I would
> really like to hear from you. The emergency group I am a member of has
> a new repeater and I cannot program the radio to the "new" band plan
> frequencies.
>
> Thanks--
> Alan AA6DW
> ad747@lafn.org
>
It's a Yazzzu!  your screwed, that radio (like a lot of other Yazzzu's)
won't do the california 20Khz split. I suggest buying a Kenwood TM-G707A
mobile...good radio for $269.....




From -1712702598991325986
X-Google-Thread: 10c9e3,cf0e95aa8d6a1be5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews.google.com!not-for-mail
From: iliyan.dobrev@digitalmedia.co.za (iFly)
Newsgroups: rec.ham-radio
Subject: direct conversion vs heterodyne
Date: 23 Mar 2005 01:51:03 -0800
Organization: http://groups.google.com
Lines: 4
Message-ID: <2c88e58d.0503230151.f1b9745@posting.google.com>
NNTP-Posting-Host: 196.41.214.66
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1111571463 22620 127.0.0.1 (23 Mar 2005 09:51:03 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Wed, 23 Mar 2005 09:51:03 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:15

Can someone describe me the difference between a direct conversion and
heterodyne principle.

Please note, I am asking about heterodyne and not super-heterodyne...


From -20941346835209430
X-Google-Thread: 10c9e3,46bc69b6fdb4bde8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews.google.com!g14g2000cwa.googlegroups.com!not-for-
mail
From: g0ylm@gb7mbc.net
Newsgroups: rec.ham-radio
Subject: New DX Radio Forum
Date: 23 Mar 2005 10:37:07 -0800
```

```
Organization: http://groups.google.com
Lines: 4
Message-ID: <1111603027.101548.293600@g14g2000cwa.googlegroups.com>
NNTP-Posting-Host: 80.229.12.13
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
X-Trace: posting.google.com 1111603031 31125 127.0.0.1 (23 Mar 2005 18:37:11 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Wed, 23 Mar 2005 18:37:11 +0000 (UTC)
User-Agent: G2/0.2
Complaints-To: groups-abuse@google.com
Injection-Info: g14g2000cwa.googlegroups.com; posting-host=80.229.12.13;
   posting-account=pnS4gwwAAADoqBV6kchxL1rgO7xELi-P
Xref: g2news1.google.com rec.ham-radio:16
```

new DX and DXcluster forum at http://www.gb7mbc.net/forum/
Please register with your callsign and join in with the chat
73 Linda

```
From 912901911488214344
X-Google-Thread: 10c9e3,30e0f7d59f2f3a6d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news4.google.com!news.glorb.com!
border1.nntp.dca.giganews.com!nntp.giganews.com!local01.nntp.dca.giganews.com!
nntp.vnet-inc.com!news.vnet-inc.com.POSTED!not-for-mail
NNTP-Posting-Date: Mon, 28 Mar 2005 21:15:51 -0600
From: "Topaz305RK" <k7sam@arrl.net>
Newsgroups: rec.ham-radio
Subject: PK-232 Software
Date: Mon, 28 Mar 2005 20:17:06 -0700
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2900.2180
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2900.2180
X-RFC2646: Format=Flowed; Original
Message-ID: <_s2dnUxxidH0VdXfRVn-2Q@vnet-inc.com>
Lines: 10
NNTP-Posting-Host: 216.129.249.85
X-Trace: sv3-T6C3wjn4cEH4Cxtt5/JDZBFfjbfqwBkrUnsaEd4zcfSDMOe/
VUFoxcjb2IyCaJeo5vKLbanGgY6sGqw!
eLSeafD78RueH1kzuOQOQNOK37i5KqRHuPMQO9QgAeout9V37H+3c1E29mSWwcI8Pq5VVIVmNyPy!XLE=
X-Complaints-To: abuse@vnet-inc.com
X-DMCA-Complaints-To: abuse@vnet-inc.com
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint
properly
X-Postfilter: 1.3.32
Xref: g2news1.google.com rec.ham-radio:17
```

Posting this for a friend.

He has an old AEA PK-232 unit and a new computer with Windows XP. He is wondering what software folks are using to run this unit, if anyone still is. Any info would be greatly appreciated.

Sam - K7SAM

From -3536109098480443605
X-Google-Thread: 10c9e3,ddad616342e7d65,start
X-Google-Thread: 111455,ddad616342e7d65,start
X-Google-Thread: 10a194,ddad616342e7d65,start
X-Google-Attributes: gid10c9e3,gid111455,gid10a194,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news4.google.com!news3.google.com!news.glorb.com!zen.net.uk!dedekind.zen.co.uk!npeer.de.kpn-eurorings.net!news-FFM2.ecrc.net!news.cesnet.cz!crax.cesnet.cz!news.contactel.cz!news.contactel.cz!nnrp.vatican.va!news.vatican.va!212.116.174.6.knet.co.il.POSTED
From: Ioannes Paulus PP. II (Karol Wojtyla) <john_paul_ii@vatican.va>
Newsgroups: rec.ham-radio,microsoft.public.word.printingfonts,alt.sex.escort.ads,rec.gambling.small-stakes
Subject: Last rites declaration of Ioannes Paulus PP. II (Karol Wojtyla)
Date: Mon, 4 Apr 2005 01:22:48 GMT
Organization: The Holy See of Rome
Lines: 55
Approved: Ioannes Paulus PP. II (Karol Wojtyla) <john_paul_ii@vatican.va>
Message-ID: <f3f933e2.7dd34845@news.vatican.va>
NNTP-Posting-Host: autocont-gw.ch.ctt.cz
X-Trace: news.contactel.cz 1112590476 20708 194.108.93.229 (4 Apr 2005 04:54:36 GMT)
X-Complaints-To: news@news.contactel.cz
NNTP-Posting-Date: Mon, 4 Apr 2005 04:54:36 +0000 (UTC)
X-Newsreader: Microsoft Outlook Express 6.7.8722.1323
Xref: g2news1.google.com rec.ham-radio:18 microsoft.public.word.printingfonts:2562 alt.sex.escort.ads:1663

"The unforgiveable sins this earth must confront and overcome are Nationalism, capitalism, and hoarding. The idea of every nation should be forgot, price should be struck from the commons, and princes should be seen for the devils they are. The sins include our church, secret societies, and other religions which make of the spirit of God a divide."

Last rites declaration of Ioannes Paulus PP. II (Karol Wojtyla)
2nd April 2005

--
order.

794. Why did Jesus Christ not come in a visible manner, instead of obtaining testimony of Himself from preceding prophecies? Why did He cause Himself to be foretold in types?

795. If Jesus Christ had only come to sanctify, all Scripture and all things would tend to that end; and it would be quite easy to convince unbelievers. If Jesus Christ had only come to blind, all His conduct would be confused; and we would have no means of convincing unbelievers. But as He came in sanctificationem et in scandalum,177 as Isaiah says, we cannot convince unbelievers, and they cannot convince us. But by this very fact we convince them; since we say that in His whole conduct there is no convincing proof on one side or the other.

796. Jesus Christ does not say that He is not of Nazareth, in order to leave the wicked in their blindness; nor that He is not Joseph's son.

797. Proofs of Jesus Christ.--Jesus Christ said great things so simply that it seems as though He had not thought them great; and yet so clearly that we easily see what He thought of them. This clearness, joined to this simplicity, is wonderful.

798. The style of the gospel is admirable in so many ways, and among the rest in hurling no invectives against the persecutors and enemies of Jesus Christ. For there is no such invective in any of the historians against
J

```
From -1496793277707107230
X-Google-Thread: 10c9e3,ddad616342e7d65
X-Google-Thread: 111455,ddad616342e7d65
X-Google-Thread: 10a194,ddad616342e7d65
X-Google-Attributes: gid10c9e3,gid111455,gid10a194,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news4.google.com!news.glorb.com!
newscon02.news.prodigy.com!prodigy.net!newsmst01a.news.prodigy.com!prodigy.com!
postmaster.news.prodigy.com!newssvr13.news.prodigy.com.POSTED!1ea9d6b9!not-for-
```

```
mail
From: "DR. FAFOOFNlK" <goaway@spammers.com>
Newsgroups: rec.ham-
radio,microsoft.public.word.printingfonts,alt.sex.escort.ads,rec.gambling.small-
stakes
References: <f3f933e2.7dd34845@news.vatican.va>
Subject: Re: Last rites declaration of Ioannes Paulus PP. II (Karol Wojtyla)
Lines: 7
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <VSB4e.17687$zl.5651@newssvr13.news.prodigy.com>
NNTP-Posting-Host: 69.228.39.75
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr13.news.prodigy.com 1112730165 ST000 69.228.39.75 (Tue, 05 Apr
2005 15:42:45 EDT)
NNTP-Posting-Date: Tue, 05 Apr 2005 15:42:45 EDT
Organization: SBC http://yahoo.sbc.com
X-UserInfo1:
[[OEBW[DDJWORU@[N[O@_WH@YR_B@EXLLBWLOOAFMAVNDQUBLNTC@AWZWDXZXQ[K\FFSKCVM@F_N_DOBWV
WG__LG@VVOIPLIGX\
\BU_B@\P\PFX\B[APHTWAHDCKJF^NHD[YJAZMCY_CWG[SX\Y]^KC\HSZRWSWKGAY_PC[BQ[BXAS\F\
\@DMTLFZFUE@\VL
Date: Tue, 05 Apr 2005 19:42:45 GMT
Xref: g2news1.google.com rec.ham-radio:19 microsoft.public.word.printingfonts:2584
alt.sex.escort.ads:1668


"Ioannes Paulus PP. II (Karol Wojtyla)" <ji@vatican.va> wrote in message
news:f3f933e2.7dd34845@.va...

STUPID FUCKING WORTHLESS SPAMMING BIBLE-THUMPER..............>




From -2892602384670269078
X-Google-Thread: 1109af,c90e440652629953
X-Google-Thread: fb049,c90e440652629953
X-Google-Thread: 108228,c90e440652629953
X-Google-Thread: 114a57,c90e440652629953
X-Google-Thread: 106d41,c90e440652629953
X-Google-Thread: fa656,569cffb3ade5e140,start
X-Google-Thread: f76e2,569cffb3ade5e140,start
X-Google-Thread: 10c9e3,569cffb3ade5e140,start
X-Google-Attributes:
gid1109af,gidfb049,gid108228,gid114a57,gid106d41,gidfa656,gidf76e2,gid10c9e3,publi
c
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news3.google.com!news.glorb.com!
border1.nntp.dca.giganews.com!nntp.giganews.com!local01.nntp.dca.giganews.com!
nntp.gbronline.com!news.gbronline.com.POSTED!not-for-mail
```

```
NNTP-Posting-Date: Sun, 10 Apr 2005 11:30:08 -0500
Date: Sun, 10 Apr 2005 10:30:54 -0400
From: Cmd Buzz Corey <me@that.moc>
User-Agent: Mozilla Thunderbird 1.0.2 (Windows/20050317)
X-Accept-Language: en-us, en
MIME-Version: 1.0
Newsgroups: rec.radio.swap,alt.ham-radio.vhf-uhf,alt.ham-
radio.marketplace,alt.ham-radio.hf,rec.radio.cb,rec.radio.amateur,rec.ham-
radio.swap,rec.ham-radio
Subject: Re: FA: LAFAYETTE DYNA-COM 23, ***NEW*** SEALED IN FACTORY BOX
References: <41F3C3B2.4040005@optonline.net>
In-Reply-To: <41F3C3B2.4040005@optonline.net>
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit
Message-ID: <kpednavvCboNycTfRVn-2w@gbronline.com>
Lines: 7
NNTP-Posting-Host: 207.191.235.182
X-Trace: sv3-3zj3Wtv5NyuIjEwFhR3AlgjOvIEI/uqlvlLvyTQ3m+7bKEEHpJDnfZXn/
CeUhDKpNHN15HE9CdZavIh!
q4q6V5uCtqr8qlMvThiDF5EnQIoB0LP3vGSoCuQ5hD5jVKySw0H3q5ssZewxW/y3O0pYeHwbcXV/!
Th1K7d8=
X-Complaints-To: abuse@gbronline.com
X-DMCA-Complaints-To: abuse@gbronline.com
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint
properly
X-Postfilter: 1.3.32
Xref: g2news1.google.com rec.radio.swap:11312 alt.ham-radio.vhf-uhf:4037 alt.ham-
radio.marketplace:1695 alt.ham-radio.hf:1064 rec.radio.cb:20604
rec.radio.amateur:313 rec.ham-radio.swap:53 rec.ham-radio:20

Sky King wrote:
> Many clear pics. Take a look if you like
>
> http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=5745122037

Why do you people fill this group with ebay ads when there is a group
for that kind of junk?



From 297920066602806703
X-Google-Thread: 1109af,c90e440652629953
X-Google-Thread: fb049,c90e440652629953
X-Google-Thread: 108228,c90e440652629953
X-Google-Thread: 114a57,c90e440652629953
X-Google-Thread: 106d41,c90e440652629953
X-Google-Thread: fa656,569cffb3ade5e140
X-Google-Thread: f76e2,569cffb3ade5e140
X-Google-Thread: 10c9e3,569cffb3ade5e140
X-Google-Attributes:
gid1109af,gidfb049,gid108228,gid114a57,gid106d41,gidfa656,gidf76e2,gid10c9e3,publi
c
X-Google-Language: ENGLISH,ASCII-7-bit
```

```
Path: g2news1.google.com!news4.google.com!news2.google.com!news.maxwell.syr.edu!
feed5.newsreader.com!newsreader.com!newsh.newsreader.com!ellis.newsreader.com!not-
for-mail
Subject: Re: FA: LAFAYETTE DYNA-COM 23, ***NEW*** SEALED IN FACTORY BOX
From: Steveo <moparholic@hotmail.com>
Date: 10 Apr 2005 16:36:04 GMT
Organization: http://NewsReader.Com 30 GB/Month
Message-ID: <20050410123604.941$MN@newsreader.com>
Newsgroups: rec.radio.swap,alt.ham-radio.vhf-uhf,alt.ham-
radio.marketplace,alt.ham-radio.hf,rec.radio.cb,rec.radio.amateur,rec.ham-
radio.swap,rec.ham-radio
References: <41F3C3B2.4040005@optonline.net>
<kpednavvCboNycTfRVn-2w@gbronline.com>
X-Trace: NewsReader.Com KC1aAT27THa-L0Ln@2H2ba+p@CqguJi/@DsHfqL@XxL,j4W=V
X-Face: 7!2%<D)SUL\9tqJNIF(n@~J*<"Cf8wSjFBVt#GB;fWZU~ClT42,v3(]"I^UiahD_CHS@j$?
 u%wIN8sPtS=I(~G`s#RC|}YCoiHi$1FQo1IPEmvB!B^&<TbG,gV/00>LC(Cv{qTeMa+g@Lu$&DE1!D
 |g3e/a[Fz7c9aQCgyhE]fm6/[lkx]sS)km'[2s]:.{fzy&b\RtYXb
Lines: 10
Xref: g2news1.google.com rec.radio.swap:11313 alt.ham-radio.vhf-uhf:4038 alt.ham-
radio.marketplace:1696 alt.ham-radio.hf:1065 rec.radio.cb:20605
rec.radio.amateur:314 rec.ham-radio.swap:54 rec.ham-radio:21

Cmd Buzz Corey <me@that.moc> wrote:
> Sky King wrote:
> > Many clear pics. Take a look if you like
> >
> > http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=5745122037
>
> Why do you people fill this group with ebay ads when there is a group
> for that kind of junk?
>
Which group, JJ? it's x-posted to 8 of them.


From 1422199473747511628
X-Google-Thread: 1109af,c90e440652629953
X-Google-Thread: fb049,c90e440652629953
X-Google-Thread: 108228,c90e440652629953
X-Google-Thread: 114a57,c90e440652629953
X-Google-Thread: 106d41,c90e440652629953
X-Google-Thread: fa656,569cffb3ade5e140
X-Google-Thread: f76e2,569cffb3ade5e140
X-Google-Thread: 10c9e3,569cffb3ade5e140
X-Google-Attributes:
gid1109af,gidfb049,gid108228,gid114a57,gid106d41,gidfa656,gidf76e2,gid10c9e3,publi
c
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news3.google.com!news.glorb.com!
border1.nntp.dca.giganews.com!nntp.giganews.com!local01.nntp.dca.giganews.com!
nntp.gbronline.com!news.gbronline.com.POSTED!not-for-mail
NNTP-Posting-Date: Sun, 10 Apr 2005 14:26:35 -0500
Date: Sun, 10 Apr 2005 13:27:21 -0400
From: Cmd Buzz Corey <me@that.moc>
```

```
User-Agent: Mozilla Thunderbird 1.0.2 (Windows/20050317)
X-Accept-Language: en-us, en
MIME-Version: 1.0
Newsgroups: rec.radio.swap,alt.ham-radio.vhf-uhf,alt.ham-
radio.marketplace,alt.ham-radio.hf,rec.radio.cb,rec.radio.amateur,rec.ham-
radio.swap,rec.ham-radio
Subject: Re: FA: LAFAYETTE DYNA-COM 23, ***NEW*** SEALED IN FACTORY BOX
References: <41F3C3B2.4040005@optonline.net>
<kpednavvCboNycTfRVn-2w@gbronline.com> <20050410123604.941$MN@newsreader.com>
In-Reply-To: <20050410123604.941$MN@newsreader.com>
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit
Message-ID: <7dOdnZPvF-Fx4MTfRVn-ow@gbronline.com>
Lines: 21
NNTP-Posting-Host: 207.191.242.138
X-Trace:
sv3-4Yf43MHft8FR2+LiZ6A17Lu9b+ssjWIM3cu8R8icGanAzK0tebRBkEoar7ffglEUBPivej5T2omvFY
M!CYK8B0ylcs0edccS4uFFFz2ZalvNwYqtBpzGiBbsr21oXXz89U6HOlmjTOJZi9asKfHdRiv70T1p!
R1spKy8=
X-Complaints-To: abuse@gbronline.com
X-DMCA-Complaints-To: abuse@gbronline.com
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint
properly
X-Postfilter: 1.3.32
Xref: g2news1.google.com rec.radio.swap:11314 alt.ham-radio.vhf-uhf:4039 alt.ham-
radio.marketplace:1697 alt.ham-radio.hf:1066 rec.radio.cb:20611
rec.radio.amateur:315 rec.ham-radio.swap:55 rec.ham-radio:22
```

Steveo wrote:

> Cmd Buzz Corey <me@that.moc> wrote:
>
>>Sky King wrote:
>>
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>>>
>>>http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=5745122037
>>
>>Why do you people fill this group with ebay ads when there is a group
>>for that kind of junk?
>>
>
> Which group, JJ? it's x-posted to 8 of them.

My bad, FAs should only be posted to the .swap and .marketplace groups which were created for ads and let discussion groups be for discussion. However it seems that everyone who has something to sell on ebay thinks all groups were created so they would have a place to hawk their junk in hopes of getting an extra dollar. As can be seen, these FA were spammed to multiple groups without regards to the type of group.

From -1280164701928500874

X-Google-Thread: 1109af,c90e440652629953
X-Google-Thread: fb049,c90e440652629953
X-Google-Thread: 108228,c90e440652629953
X-Google-Thread: 114a57,c90e440652629953
X-Google-Thread: 106d41,c90e440652629953
X-Google-Thread: fa656,569cffb3ade5e140
X-Google-Thread: f76e2,569cffb3ade5e140
X-Google-Thread: 10c9e3,569cffb3ade5e140
X-Google-Attributes: gid1109af,gidfb049,gid108228,gid114a57,gid106d41,gidfa656,gidf76e2,gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news3.google.com!news.glorb.com!hwmnpeer01.lga!hwmedia!hw-filter.lga!fe11.lga.POSTED!53ab2750!not-for-mail
From: Admiral Nelson <SEAVIEW5@optonline.net>
Organization: Nelson Institute of Marine Research
User-Agent: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.7.2) Gecko/20040804 Netscape/7.2 (ax)
X-Accept-Language: en-us, en
MIME-Version: 1.0
Newsgroups: rec.radio.swap,alt.ham-radio.vhf-uhf,alt.ham-radio.marketplace,alt.ham-radio.hf,rec.radio.cb,rec.radio.amateur,rec.ham-radio.swap,rec.ham-radio
Subject: Re: FA: LAFAYETTE DYNA-COM 23, ***NEW*** SEALED IN FACTORY BOX
References: <41F3C3B2.4040005@optonline.net>
<kpednavvCboNycTfRVn-2w@gbronline.com>
In-Reply-To: <kpednavvCboNycTfRVn-2w@gbronline.com>
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit
Lines: 28
Message-ID: <2Hg6e.1793$6P2.940@fe11.lga>
Date: Sun, 10 Apr 2005 17:14:52 -0400
NNTP-Posting-Host: 24.47.254.156
X-Complaints-To: abuse@cv.net
X-Trace: fe11.lga 1113167678 24.47.254.156 (Sun, 10 Apr 2005 14:14:38 MST)
NNTP-Posting-Date: Sun, 10 Apr 2005 14:14:38 MST
Xref: g2news1.google.com rec.radio.swap:11316 alt.ham-radio.vhf-uhf:4040 alt.ham-radio.marketplace:1698 alt.ham-radio.hf:1067 rec.radio.cb:20620 rec.radio.amateur:316 rec.ham-radio.swap:56 rec.ham-radio:23

You're crying about an auction that ended 2 months ago?
Seems to me that the bay is here to stay.
Learn to use your filters.
Seems to be the only way for you not to see them.
Also, one mans junk in another mans treasure............
It also seems that people who view these newsgroups
might be curious as to what's for sale elsewhere.
Many have gotten stuck buying on these groups with broken items.
If someone has integrity there is usually not a problem, but there is the other side of the coin where broken items were sold. The new owner has no recourse. At least on ebay there is feedback, not a perfect system but one that works.
And with paypal you CAN get a refund a good part of the time if there is

a problem.
Been there and done that.

Cmd Buzz Corey wrote:

> Sky King wrote:
>
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>>
>> http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=5745122037
>
>
> Why do you people fill this group with ebay ads when there is a group
> for that kind of junk?

From 3916036890380682599
X-Google-Thread: 1109af,c90e440652629953
X-Google-Thread: fb049,c90e440652629953
X-Google-Thread: 108228,c90e440652629953
X-Google-Thread: 114a57,c90e440652629953
X-Google-Thread: 106d41,c90e440652629953
X-Google-Thread: fa656,569cffb3ade5e140
X-Google-Thread: f76e2,569cffb3ade5e140
X-Google-Thread: 10c9e3,569cffb3ade5e140
X-Google-Attributes:
gid1109af,gidfb049,gid108228,gid114a57,gid106d41,gidfa656,gidf76e2,gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news3.google.com!news.glorb.com!
border1.nntp.dca.giganews.com!nntp.giganews.com!local01.nntp.dca.giganews.com!
nntp.gbronline.com!news.gbronline.com.POSTED!not-for-mail
NNTP-Posting-Date: Sun, 10 Apr 2005 21:38:51 -0500
Date: Sun, 10 Apr 2005 20:39:38 -0400
From: Cmd Buzz Corey <me@that.moc>
User-Agent: Mozilla Thunderbird 1.0.2 (Windows/20050317)
X-Accept-Language: en-us, en
MIME-Version: 1.0
Newsgroups: rec.radio.swap,alt.ham-radio.vhf-uhf,alt.ham-radio.marketplace,alt.ham-radio.hf,rec.radio.cb,rec.radio.amateur,rec.ham-radio.swap,rec.ham-radio
Subject: Re: FA: LAFAYETTE DYNA-COM 23, ***NEW*** SEALED IN FACTORY BOX
References: <41F3C3B2.4040005@optonline.net>
<kpednavvCboNycTfRVn-2w@gbronline.com> <2Hg6e.1793$6P2.940@fe11.lga>
In-Reply-To: <2Hg6e.1793$6P2.940@fe11.lga>
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit
Message-ID: <ioudnZxMyoemfsTfRVn-2w@gbronline.com>
Lines: 27
NNTP-Posting-Host: 207.191.242.64
X-Trace: sv3-27PwgFb536aJ5EFh2eNNxfCv/nxIWQsAQZSl4flyvhWBhmlKRGnK4q4lLdfw4m/
uTdjsfDMArQKalIM!zTISCPFJ8IYccjbWV/btoK2YaEaWrq4dlV0LRk5K3ExA3IY1PlfbGofXP/

```
LHLYqOuaz5SPH8/BJ0!zKutRg==
X-Complaints-To: abuse@gbronline.com
X-DMCA-Complaints-To: abuse@gbronline.com
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint
properly
X-Postfilter: 1.3.32
Xref: g2news1.google.com rec.radio.swap:11318 alt.ham-radio.vhf-uhf:4041 alt.ham-
radio.marketplace:1699 alt.ham-radio.hf:1068 rec.radio.cb:20634
rec.radio.amateur:317 rec.ham-radio.swap:57 rec.ham-radio:24
```

Admiral Nelson wrote:

> You're crying about an auction that ended 2 months ago?
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> Learn to use your filters.
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> Also, one mans junk in another mans treasure............
> It also seems that people who view these newsgroups
> might be curious as to what's for sale elsewhere.
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> other side of the coin where broken items were sold. The new owner has no
> recourse. At least on ebay there is feedback, not a perfect system but
> one that works.
> And with paypal you CAN get a refund a good part of the time if there is
> a problem.
> Been there and done that.

So why post FAs in groups that are for discussion? That is what the .swap and .marketplace groups are for. Why should I have to filter out FAs in a discussion group where FAs shouldn't be there in the first place? If people in a discussion group are curious about what may be for sale on ebay then they can check the .swap or .marketplace groups or go to ebay and search, it ain't rocket surgery.
Look at the boatanchor group as an example, which was set up to DISCUSS boatanchor type equipment, along comes the ebayers with a few FAs, then someone else sees the FAs, posts their FAs and pretty soon the group is more FA ads than discussion.

```
From -4956528389891635504
X-Google-Thread: 1109af,c90e440652629953
X-Google-Thread: fb049,c90e440652629953
X-Google-Thread: 108228,c90e440652629953
X-Google-Thread: 114a57,c90e440652629953
X-Google-Thread: 106d41,c90e440652629953
X-Google-Thread: fa656,569cffb3ade5e140
X-Google-Thread: f76e2,569cffb3ade5e140
X-Google-Thread: 10c9e3,569cffb3ade5e140
X-Google-Attributes:
gid1109af,gidfb049,gid108228,gid114a57,gid106d41,gidfa656,gidf76e2,gid10c9e3,publi
c
X-Google-Language: ENGLISH,ASCII-7-bit
```

Path: g2news1.google.com!news3.google.com!news4.google.com!newshub.sdsu.edu!peer01.west.cox.net!cox.net!hwmnpeer01.phx!hwmedia!hw-poster!fe12.lga.POSTED!53ab2750!not-for-mail
From: Admiral Nelson <SEAVIEW5@optonline.net>
Organization: Nelson Institute of Marine Research
User-Agent: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.7.2) Gecko/20040804 Netscape/7.2 (ax)
X-Accept-Language: en-us, en
MIME-Version: 1.0
Newsgroups: rec.radio.swap,alt.ham-radio.vhf-uhf,alt.ham-radio.marketplace,alt.ham-radio.hf,rec.radio.cb,rec.radio.amateur,rec.ham-radio.swap,rec.ham-radio
Subject: Re: FA: LAFAYETTE DYNA-COM 23, ***NEW*** SEALED IN FACTORY BOX
References: <41F3C3B2.4040005@optonline.net> <kpednavvCboNycTfRVn-2w@gbronline.com> <2Hg6e.1793$6P2.940@fe11.lga> <ioudnZxMyoemfsTfRVn-2w@gbronline.com>
In-Reply-To: <ioudnZxMyoemfsTfRVn-2w@gbronline.com>
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit
Lines: 56
Message-ID: <3iq6e.1288$x86.372@fe12.lga>
Date: Mon, 11 Apr 2005 04:10:55 -0400
NNTP-Posting-Host: 24.47.254.156
X-Complaints-To: abuse@cv.net
X-Trace: fe12.lga 1113207039 24.47.254.156 (Mon, 11 Apr 2005 01:10:39 MST)
NNTP-Posting-Date: Mon, 11 Apr 2005 01:10:39 MST
Xref: g2news1.google.com rec.radio.swap:11319 alt.ham-radio.vhf-uhf:4042 alt.ham-radio.marketplace:1700 alt.ham-radio.hf:1069 rec.radio.cb:20649 rec.radio.amateur:318 rec.ham-radio.swap:58 rec.ham-radio:25

That's a good point. It use to piss me off when these FA started to
show up on the groups.
We can still discuss stuff here but it seems it is the way of the world.
It's like the price of gas, nobody likes it, but it keeps going up and
we still have to buy it.

Cmd Buzz Corey wrote

So why post FAs in groups that are for discussion? That is what the
.swap and .marketplace groups are for. Why should I have to filter out
FAs in a discussion group where FAs shouldn't be there in the first
place? If people in a discussion group are curious about what may be for
sale on ebay then they can check the .swap or .marketplace groups or go
to ebay and search, it ain't rocket surgery.
Look at the boatanchor group as an example, which was set up to DISCUSS
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:

```
> Admiral Nelson wrote:
>
>> You're crying about an auction that ended 2 months ago?
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>> It also seems that people who view these newsgroups
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>> Many have gotten stuck buying on these groups with broken items.
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>> other side of the coin where broken items were sold.  The new owner
>> has no
>> recourse.  At least on ebay there is feedback, not a perfect system
>> but one that works.
>> And with paypal you CAN get a refund a good part of the time if there
>> is a problem.
>> Been there and done that.
>
>
> So why post FAs in groups that are for discussion? That is what the
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> place? If people in a discussion group are curious about what may be
> for sale on ebay then they can check the .swap or .marketplace groups
> or go to ebay and search, it ain't rocket surgery.
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> FAs, then someone else sees the FAs, posts their FAs and pretty soon
> the group is more FA ads than discussion.



From -5655429363271218275
X-Google-Thread: 1109af,c90e440652629953
X-Google-Thread: fb049,c90e440652629953
X-Google-Thread: 108228,c90e440652629953
X-Google-Thread: 114a57,c90e440652629953
X-Google-Thread: 106d41,c90e440652629953
X-Google-Thread: fa656,569cffb3ade5e140
X-Google-Thread: f76e2,569cffb3ade5e140
X-Google-Thread: 10c9e3,569cffb3ade5e140
X-Google-Attributes:
gid1109af,gidfb049,gid108228,gid114a57,gid106d41,gidfa656,gidf76e2,gid10c9e3,publi
c
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news4.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!panix!news.maxwell.syr.edu!news-rtr.nyroc.rr.com!news-
out.nyroc.rr.com!twister.nyroc.rr.com.POSTED!53ab2750!not-for-mail
From: "Pat Stevens" <patstevens@yahoo.com>
Newsgroups: rec.radio.swap,alt.ham-radio.vhf-uhf,alt.ham-
```

```
radio.marketplace,alt.ham-radio.hf,rec.radio.cb,rec.radio.amateur,rec.ham-
radio.swap,rec.ham-radio
References: <41F3C3B2.4040005@optonline.net>
<kpednavvCboNycTfRVn-2w@gbronline.com>
Subject: Re: FA: LAFAYETTE DYNA-COM 23, ***NEW*** SEALED IN FACTORY BOX
Lines: 17
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1409
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1409
Message-ID: <oaw6e.1617$%v6.795@twister.nyroc.rr.com>
Date: Mon, 11 Apr 2005 14:52:04 GMT
NNTP-Posting-Host: 66.66.213.3
X-Complaints-To: abuse@rr.com
X-Trace: twister.nyroc.rr.com 1113231124 66.66.213.3 (Mon, 11 Apr 2005 10:52:04
EDT)
NNTP-Posting-Date: Mon, 11 Apr 2005 10:52:04 EDT
Organization: Road Runner
Xref: g2news1.google.com rec.radio.swap:11322 alt.ham-radio.vhf-uhf:4043 alt.ham-
radio.marketplace:1701 alt.ham-radio.hf:1070 rec.radio.cb:20654
rec.radio.amateur:319 rec.ham-radio.swap:59 rec.ham-radio:26

    It is called spam.  Especially, when they cross-post to so many groups.
    I just look at it like this...if they can't seem to follow netiquette,
then I don't want to do business with them.  Unfortunately, there are so
many people online that are ignorant, it will never go away.  So, I just
report them.

"Cmd Buzz Corey" <me@that.moc> wrote in message
news:kpednavvCboNycTfRVn-2w@gbronline.com...
> Sky King wrote:
> > Many clear pics. Take a look if you like
> >
> > http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=5745122037
>
> Why do you people fill this group with ebay ads when there is a group
> for that kind of junk?




From -2406676849381751677
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2004-02-02 14:26:23 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
```

news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!easynews.com!easynews!c03.atl99!sjc70.webusenet.com!news.usenetserver.com!sn-xit-02!sn-xit-01!sn-post-01!supernews.com!corp.supernews.com!not-for-mail
From: Attila The Hun <Attila@door.net>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Date: Mon, 02 Feb 2004 16:24:44 -0600
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <101tjhi7ntk8s14@corp.supernews.com>
User-Agent: Mozilla/5.0 (Windows; U; Windows NT 5.0; en-US; rv:1.6b) Gecko/20031204 Thunderbird/0.4RC2
X-Accept-Language: en-us, en
MIME-Version: 1.0
References: <400EE264.97B86A9B@cwis.net> <100u2kv7qrcmdc5@corp.supernews.com> <400f17ae_8@corp.newsgroups.com> <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com> <busgsf$d77b$1@news3.infoave.net> <as5610dhs97aupcrd5f8a2ts2ilj3qp0cf@4ax.com> <1018i2c1saq2led@corp.supernews.com> <mtej10dssbprsedhgle075gppifiq7p2ln@4ax.com> <3urSb.2513$jH6.710@newsread1.news.atl.earthlink.net> <Me-5DA20D.10291930012004@netnews.worldnet.att.net> <dnWSb.150614$6y6.2946441@bgtnsc05-news.ops.worldnet.att.net> <ushr10td27hrh91qs836sr3rf6q1h0op38@4ax.com>
In-Reply-To: <ushr10td27hrh91qs836sr3rf6q1h0op38@4ax.com>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
X-Complaints-To: abuse@supernews.com
Lines: 17
Xref: archiver1.google.com rec.radio.amateur.antenna:6707

Bob McConnell wrote:

> I am curious about one thing. In 1977 I took the FCC test series for
> the commercial phone license. I breezed through third class and passed
> the second class elements, but missed first class by 6 points. If I
> had turned around and taken the amateur tests at that time, without
> the code requirement, what license would I have ended up with?
>
> Bob McConnell
> N2SPP
>

I received my Novice license in late 1974, and worked my way up the amateur ranks to Advanced. I then moved over to the commercial exams, and worked up to First Class. I may be wrong, but I don't think you could get any class of amateur license, without a code test, back in those days.

From 8429294113790020598
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5

```
X-Google-Attributes: gid109013,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2004-02-02 16:17:31 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!
easynews.com!easynews!news.infoave.net!not-for-mail
From: "W4JLE" <w4jle(remove to reply)@pbtcomm.net>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-
radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Date: Mon, 2 Feb 2004 19:17:22 -0500
Organization: Info Avenue Internet Services, LLC
Lines: 44
Message-ID: <bvmpah$air5$1@news3.infoave.net>
References: <400EE264.97B86A9B@cwis.net> <100u2kv7qrcmdc5@corp.supernews.com>
<400f17ae_8@corp.newsgroups.com> <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com>
<busgsf$d77b$1@news3.infoave.net> <as5610dhs97aupcrd5f8a2ts2ilj3qp0cf@4ax.com>
<1018i2c1saq2led@corp.supernews.com> <mtej10dssbprsedhgle075gppifiq7p2ln@4ax.com>
<3urSb.2513$jH6.710@newsread1.news.atl.earthlink.net>
<Me-5DA20D.10291930012004@netnews.worldnet.att.net>
<dnWSb.150614$6y6.2946441@bgtnsc05-news.ops.worldnet.att.net>
<ushr10td27hrh91qs836sr3rf6q1h0op38@4ax.com> <101tjhi7ntk8s14@corp.supernews.com>
NNTP-Posting-Host: 64.53.62.21
X-Trace: news3.infoave.net 1075767441 346981 64.53.62.21 (3 Feb 2004 00:17:21 GMT)
X-Complaints-To: abuse@infoave.net
NNTP-Posting-Date: Tue, 3 Feb 2004 00:17:21 +0000 (UTC)
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Xref: archiver1.google.com rec.radio.amateur.antenna:6714
```

When I took my test in 1957, the FCC guy testing , told me the most difficult test was the amateur advanced.

I took the General Ham and all commercial elements through 1st class and RADAR endorsement. At that time, there was a time requirement between the amateur licenses, ergo I was not eligible to take the advanced or extra.

Back then You both sent and received Morse, and a solid one minute out of three was the passing mark. The test itself consisted of drawing schematics, supplying missing components to a schematic, etc. Unlike today's NO CODE, No ELECTRONICS exams.

The fact that they were tough to pass, marked passage into a select group called HAMS. After waiting about five weeks I finally received that magical piece of paper that allowed me to contact other members of the fraternity.

My first contact was on 3885 Kcs, checking into the Graveyard Net, finally getting to talk to the mystical voices I had listened to on my Hammurland

HQ-129X.

Among the biggest thrills of my life.

"Attila The Hun" <Attila@door.net> wrote in message
news:101tjhi7ntk8s14@corp.supernews.com...
> Bob McConnell wrote:
>
> > I am curious about one thing. In 1977 I took the FCC test series for
> > the commercial phone license. I breezed through third class and passed
> > the second class elements, but missed first class by 6 points. If I
> > had turned around and taken the amateur tests at that time, without
> > the code requirement, what license would I have ended up with?
> >
> > Bob McConnell
> > N2SPP
> >
>
> I received my Novice license in late 1974, and worked my way up the
> amateur ranks to Advanced. I then moved over to the commercial exams,
> and worked up to First Class. I may be wrong, but I don't think you
> could get any class of amateur license, without a code test, back in
> those days.

From -1222649713773098901
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2004-02-02 17:17:49 PST
Date: Mon, 02 Feb 2004 19:14:07 -0600
From: Cecil Moore <Cecil.A.Moore@ieee.ONEDOT.org>
User-Agent: Mozilla/5.0 (Windows; U; Win 9x 4.90; en-US; rv:1.4) Gecko/20030624 Netscape/7.1 (ax)
X-Accept-Language: en-us, en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
References: <400EE264.97B86A9B@cwis.net> <100u2kv7qrcmdc5@corp.supernews.com> <400f17ae_8@corp.newsgroups.com> <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com> <busgsf$d77b$1@news3.infoave.net> <as5610dhs97aupcrd5f8a2ts2ilj3qp0cf@4ax.com> <1018i2c1saq2led@corp.supernews.com> <mtej10dssbprsedhgle075gppifiq7p2ln@4ax.com> <3urSb.2513$jH6.710@newsread1.news.atl.earthlink.net>

<Me-5DA20D.10291930012004@netnews.worldnet.att.net>
<dnWSb.150614$6y6.2946441@bgtnsc05-news.ops.worldnet.att.net>
<ushr10td27hrh91qs836sr3rf6q1h0op38@4ax.com> <101tjhi7ntk8s14@corp.supernews.com>
<bvmpah$air5$1@news3.infoave.net>
In-Reply-To: <bvmpah$air5$1@news3.infoave.net>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
NNTP-Posting-Host: 64.240.47.89
Message-ID: <401ef6ac_2@corp.newsgroups.com>
X-Trace: corp.newsgroups.com 1075771052 64.240.47.89 (2 Feb 2004 19:17:32 -0600)
Lines: 13
X-Comments: This message was posted through <A href
X-Comments2: IMPORTANT: Newsfeed.com does not condone,
X-Report: Please report illegal or inappropriate use to
X-Comments3: <A href ="http://www.newsgroups.com">Visit
Organization: Newsfeeds.com http://www.newsfeeds.com 100,000+ UNCENSORED Newsgroups.
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!news-out2.nntp.be!local!corp.newsgroups.com!not-for-mail
Xref: archiver1.google.com rec.radio.amateur.antenna:6717

W4JLE wrote:
> When I took my test in 1957, the FCC guy testing , told me the most
> difficult test was the amateur advanced.

Heh, heh, good thing I was drunk when I took mine. :-)
--
73, Cecil   http://www.qsl.net/w5dxp

-----= Posted via Newsfeeds.Com, Uncensored Usenet News =-----
http://www.newsfeeds.com - The #1 Newsgroup Service in the World!
-----== Over 100,000 Newsgroups - 19 Different Servers! =-----

From 4747364891515525103
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2004-02-02 17:18:27 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-01!sn-post-01!supernews.com!corp.supernews.com!not-for-mail
From: Minnie Bannister <GoonButNotForgotten@myob.net>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access

Date: Mon, 02 Feb 2004 20:18:16 -0500
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <101ttmm1s9s18cd@corp.supernews.com>
User-Agent: Mozilla/5.0 (OS/2; U; Warp 4.5; en-US; rv:1.6) Gecko/20040117 MultiZilla/1.6.1.0b
X-Accept-Language: en-us, en
MIME-Version: 1.0
References: <400EE264.97B86A9B@cwis.net> <100u2kv7qrcmdc5@corp.supernews.com> <400f17ae_8@corp.newsgroups.com> <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com> <busgsf$d77b$1@news3.infoave.net> <as5610dhs97aupcrd5f8a2ts2ilj3qp0cf@4ax.com> <1018i2c1saq2led@corp.supernews.com> <mtej10dssbprsedhgle075gppifiq7p2ln@4ax.com> <3urSb.2513$jH6.710@newsread1.news.atl.earthlink.net> <Me-5DA20D.10291930012004@netnews.worldnet.att.net> <dnWSb.150614$6y6.2946441@bgtnsc05-news.ops.worldnet.att.net> <ushr10td27hrh91qs836sr3rf6q1h0op38@4ax.com> <101tjhi7ntk8s14@corp.supernews.com> <bvmpah$air5$1@news3.infoave.net>
In-Reply-To: <bvmpah$air5$1@news3.infoave.net>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
X-Complaints-To: abuse@supernews.com
Lines: 33
Xref: archiver1.google.com rec.radio.amateur.antenna:6718

And in some European countries a decade or three back (I don't know if it's still the same), the tests for a driver's license had questions about mechanical theory (e.g., what is actually happening under the hood when you put your foot on the clutch?) and practical tests (e.g., changing a wheel).

Perhaps today's US driver's licenses are worthless too, and perhaps the people who get them aren't really DRIVERS. Perhaps the only "real DRIVERS" today are the people who pass the tests for membership of the Institute of Advanced Motorists (which existed in Britain when I was growing up, maybe still does) or its equivalent in other countries.

Alan AB2OS

On 02/02/04 07:17 pm W4JLE put fingers to keyboard and launched the following message into cyberspace:

> When I took my test in 1957, the FCC guy testing , told me the most difficult test was the amateur advanced.
>
> I took the General Ham and all commercial elements through 1st class and RADAR endorsement. At that time, there was a time requirement between the amateur licenses, ergo I was not eligible to take the advanced or extra.
>
> Back then You both sent and received Morse, and a solid one minute out of three was the passing mark. The test itself consisted of drawing schematics, supplying missing components to a schematic, etc. Unlike today's NO CODE, No ELECTRONICS exams.
>

> The fact that they were tough to pass, marked passage into a select group
> called HAMS. After waiting about five weeks I finally received that magical
> piece of paper that allowed me to contact other members of the fraternity.

From 1979959819032263302
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f557d,6879f1cceac2233f
X-Google-Attributes: gidf557d,public
X-Google-Thread: 10c9e3,1cb567a617da43fb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f8110,6879f1cceac2233f
X-Google-Attributes: gidf8110,public
X-Google-Thread: 102426,6879f1cceac2233f
X-Google-Attributes: gid102426,public
X-Google-Thread: fddbf,1cb567a617da43fb,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,1cb567a617da43fb,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10ddf1,1cb567a617da43fb,start
X-Google-Attributes: gid10ddf1,public
X-Google-Thread: 1159d0,1cb567a617da43fb,start
X-Google-Attributes: gid1159d0,public
X-Google-ArrivalTime: 2004-02-02 17:38:08 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!newshub.sdsu.edu!cyclone.bc.net!news.alt.net!newsfeed.mountaincable.net!cyclone01.bloor.is.net.cable.rogers.com!twister01.bloor.is.net.cable.rogers.com.POSTED!not-for-mail
From: "tre" <ve3tsa@hotmail.com>
Newsgroups: in.ham-radio,japan.ham-radio,japan.ham-radio.dxcc,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.swapmeet.hamcomm.tailgate.parties,relcom.radio.ham
Subject: check out our home page
Lines: 32
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <4YCTb.99991$ef.49755@twister01.bloor.is.net.cable.rogers.com>
Date: Tue, 03 Feb 2004 01:38:08 GMT
NNTP-Posting-Host: 24.192.100.227
X-Complaints-To: abuse@rogers.com
X-Trace: twister01.bloor.is.net.cable.rogers.com 1075772288 24.192.100.227 (Mon, 02 Feb 2004 20:38:08 EST)
NNTP-Posting-Date: Mon, 02 Feb 2004 20:38:08 EST
Xref: archiver1.google.com in.ham-radio:135 japan.ham-radio:411 japan.ham-radio.dxcc:209 rec.ham-radio.swap:3748 relcom.radio.ham:332

http://greynet.net/~gbarc/

Owen Sound, Ontario Canada

MEETINGS Monthly GBARC meetings are held on the fourth Tuesday of each month, at 7:00 P.M., except in July and August. We meet Rockford Restaurant located 5km south of Owen Sound on Highway 10 (at Grey County road 18). Breakfast get-togethers take place every Saturday, at 8:30 am, at the Rockford Restaurant. This is an informal social gathering of local amateurs and visitors to the area. Anyone can attend and all are welcome. Talk-in on 146.94- Mhz. Join us for "on the air" nets. Check into the GBARC net at 9:30 am (14:30z) Sunday mornings 3.783 Mhz and again on VE3OSR at 9:30 pm (02:30z) (Thursday evenings 146.94- Mhz.)

Community Services GBARC provides communications for community events, such as the Terry Fox Run, the Boy Scouts' Jamboree-On-The-Air, and the Owen Sound Santa Claus Parade. Write or email for more information. Many GBARC members are volunteers in the CANWARN <http://www.on.ec.gc.ca/severe-weather/canwarn-e.html> severe weather spotting network.

Repeater GBARC operates repeater VE3OSR in Owen Sound, on 146.940 MHz (-600 kHz offset). This is an "open" repeater with phone patch, free for anyone to use. VE3OSR is funded by GBARC membership <http://greynet.net/~gbarc/membersh.htm> dues.

```
From -201182472226380135
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2004-02-02 17:52:01 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!
easynews.com!easynews!news.infoave.net!not-for-mail
From: "W4JLE" <w4jle(remove to reply)@pbtcomm.net>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-
radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Date: Mon, 2 Feb 2004 20:50:43 -0500
Organization: Info Avenue Internet Services, LLC
Lines: 29
Message-ID: <bvmupv$all6$1@news3.infoave.net>
References: <400EE264.97B86A9B@cwis.net> <100u2kv7qrcmdc5@corp.supernews.com>
<400f17ae_8@corp.newsgroups.com> <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com>
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<busgsf$d77b$1@news3.infoave.net> <as5610dhs97aupcrd5f8a2ts2ilj3qp0cf@4ax.com>
<1018i2c1saq2led@corp.supernews.com> <mtej10dssbprsedhgle075gppifiq7p2ln@4ax.com>
<3urSb.2513$jH6.710@newsread1.news.atl.earthlink.net>
<Me-5DA20D.10291930012004@netnews.worldnet.att.net>
<dnWSb.150614$6y6.2946441@bgtnsc05-news.ops.worldnet.att.net>
<ushr10td27hrh91qs836sr3rf6q1h0op38@4ax.com> <101tjhi7ntk8s14@corp.supernews.com>
<bvmpah$air5$1@news3.infoave.net> <101ttmm1s9s18cd@corp.supernews.com>
NNTP-Posting-Host: 64.53.62.21
X-Trace: news3.infoave.net 1075773055 349862 64.53.62.21 (3 Feb 2004 01:50:55 GMT)
X-Complaints-To: abuse@infoave.net
NNTP-Posting-Date: Tue, 3 Feb 2004 01:50:55 +0000 (UTC)
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Xref: archiver1.google.com rec.radio.amateur.antenna:6720
```

You miss the point completely, there was pride in becoming a ham, simply because it was difficult. Once obtained, one behaved as a person worthy of being called a ham.

The worst behavior I remember back then was W2OY who used to call "CQ No kids, no lids, no drugstore cowboys..." Unlike the profanity of the bands today.

With the new age thinking , that finds achievement unfair to those that have not achieved, we have lowered the bar so those who were incapable of competing can be included as well.

First it was "why should I learn the code it is only an obstacle to my desires", the point is all endevors in life have a price of admission, if your not willing to pay, you don't get in the show. At least thats the way it used to be, today if I whine enough about fairness someone will give it to me.

Where does it end? I want to be a brain surgeon, I just don't want to spend time learning all that medical stuff, it's just not FAIR... Would you want me as your doctor?

"Minnie Bannister" <GoonButNotForgotten@myob.net> wrote in message
news:101ttmm1s9s18cd@corp.supernews.com...

> And in some European countries a decade or three back (I don't know if
> it's still the same), the tests for a driver's license had questions
> about mechanical theory (e.g., what is actually happening under the hood

```
From 7761013366477544493
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
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X-Google-Attributes: gid109013,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2004-02-02 19:09:25 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!news-rtr.nyroc.rr.com!news-out.nyroc.rr.com!twister.nyroc.rr.com.POSTED!53ab2750!not-for-mail
From: Bob McConnell <rmcconne@NOSPAM.lightlink.com>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Organization: Not in this lifetime
Message-ID: <h04u10t1tgfip63sune6ao0jk7me25o748@4ax.com>
References: <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com>
<busgsf$d77b$1@news3.infoave.net> <as5610dhs97aupcrd5f8a2ts2ilj3qp0cf@4ax.com>
<1018i2c1saq2led@corp.supernews.com> <mtej10dssbprsedhgle075gppifiq7p2ln@4ax.com>
<3urSb.2513$jH6.710@newsread1.news.atl.earthlink.net>
<Me-5DA20D.10291930012004@netnews.worldnet.att.net>
<dnWSb.150614$6y6.2946441@bgtnsc05-news.ops.worldnet.att.net>
<ushr10td27hrh91qs836sr3rf6q1h0op38@4ax.com> <101tjhi7ntk8s14@corp.supernews.com>
X-Newsreader: Forte Agent 1.93/32.576 English (American)
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 28
Date: Tue, 03 Feb 2004 03:09:14 GMT
NNTP-Posting-Host: 24.59.108.87
X-Complaints-To: abuse@rr.com
X-Trace: twister.nyroc.rr.com 1075777754 24.59.108.87 (Mon, 02 Feb 2004 22:09:14 EST)
NNTP-Posting-Date: Mon, 02 Feb 2004 22:09:14 EST
Xref: archiver1.google.com rec.radio.amateur.antenna:6723

On Mon, 02 Feb 2004 16:24:44 -0600, Attila The Hun <Attila@door.net>
wrote:

>Bob McConnell wrote:
>
>> I am curious about one thing. In 1977 I took the FCC test series for
>> the commercial phone license. I breezed through third class and passed
>> the second class elements, but missed first class by 6 points. If I
>> had turned around and taken the amateur tests at that time, without
>> the code requirement, what license would I have ended up with?
>>
>> Bob McConnell
>> N2SPP
>>
>
>I received my Novice license in late 1974, and worked my way up the
>amateur ranks to Advanced. I then moved over to the commercial exams,
>and worked up to First Class. I may be wrong, but I don't think you

>could get any class of amateur license, without a code test, back in
>those days.

That is correct. The first codeless license (Technician) was introduced Feb 1991. But how did the written portions compare between the amateur and commercial licenses?

Bob McConnell
N2SPP

```
From 8689386739076650248
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2004-02-02 23:37:12 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!priapus.visi.com!orange.octanews.net!news-out.visi.com!
petbe.visi.com!news.octanews.net!news.tele.dk!news.tele.dk!small.news.tele.dk!
news-fra1.dfn.de!newsfeed.hanau.net!newsfeed01.sul.t-online.de!newsmm00.sul.t-
online.com!t-online.de!news.t-online.com!not-for-mail
From: "Helmut" <Helmut@Stroeml.com>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-
radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Date: Tue, 3 Feb 2004 08:36:19 +0100
Organization: T-Online
Lines: 54
Message-ID: <bvnj1i$moh$00$1@news.t-online.com>
References: <400EE264.97B86A9B@cwis.net> <100u2kv7qrcmdc5@corp.supernews.com>
<400f17ae_8@corp.newsgroups.com> <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com>
<busgsf$d77b$1@news3.infoave.net> <as5610dhs97aupcrd5f8a2ts2ilj3qp0cf@4ax.com>
<1018i2c1saq2led@corp.supernews.com> <mtej10dssbprsedhgle075gppifiq7p2ln@4ax.com>
<3urSb.2513$jH6.710@newsread1.news.atl.earthlink.net>
<Me-5DA20D.10291930012004@netnews.worldnet.att.net>
<dnWSb.150614$6y6.2946441@bgtnsc05-news.ops.worldnet.att.net>
<ushr10td27hrh91qs836sr3rf6q1h0op38@4ax.com> <101tjhi7ntk8s14@corp.supernews.com>
<bvmpah$air5$1@news3.infoave.net> <101ttmm1s9s18cd@corp.supernews.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: news.t-online.com 1075793778 00 23313 iQgFGapLw-4QI6j 040203 07:36:18
X-Complaints-To: usenet-abuse@t-online.de
X-ID: GFgJn+ZXweq2IilIxF-0fxvTSEpkuwktylXaVdteQNa7W+QwlJdvZD
X-Priority: 3
X-MSMail-Priority: Normal
```

X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Xref: archiver1.google.com rec.radio.amateur.antenna:6737

Hello Alan and group,

"Minnie Bannister" <GoonButNotForgotten@myob.net> schrieb im Newsbeitrag news:101ttmm1s9s18cd@corp.supernews.com...

> And in some European countries a decade or three back (I don't know if
> it's still the same), the tests for a driver's license had questions
> about mechanical theory (e.g., what is actually happening under the hood
> when you put your foot on the clutch?)

This is still going this way. You need to have 15 hours theoretical education and 20 hours driving education under supervision of a driving instructor. Costs you about 1000.- Euros, about 1250 US $. You have to do it with a driving school to securely pass the exam. But the DL then is valid livelong.

The only thing they changed is the oral test. They took away most of it and changed it to a standardized computer test.

> and practical tests (e.g. changing a wheel).

They discontinued this, but they teach you how to change a wheel and how to mount snowchains whilst in the practice-hours with your driving instructor.

> Perhaps today's US driver's licenses are worthless too, and perhaps the
> people who get them aren't really DRIVERS.

I know the difference, I hold a valid California DL for cars, trucks and motorbikes

> Perhaps the only "real
> DRIVERS" today are the people who pass the tests for membership of the
> Institute of Advanced Motorists (which existed in Britain when I was
> growing up, maybe still does) or its equivalent in other countries.
>
> Alan AB2OS

This was kind of out of topic. Concerning the amateur license, the test were oral and written, the full nine miles through all the technical and operational questions, for both the CEPT 2 and CEPT 1 licenses. The only difference in testing for HF privileges was the CW test, where you had to send and receive. At my time in the late 80's 13wpm (60 signs per minute), and lateley they dropped to 25 signs per minute, which equals 5 wpm. The test is still held at the Authorities QTH in the state capitals. After the recent workaround of the requirements after the WRC 2003 in Geneva, You are not requested to make the CW test. But you can do it voluntary after seperate application, and as long as the authority will be able to supply CW capable Examiners

Best regards and 73
de OE8SOQ
Helmut

```
From -7578032712689803430
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2004-02-03 18:15:27 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!
newsxfer.eecs.umich.edu!news.cc.ukans.edu!stl-feed.news.verio.net!
newsreader.wustl.edu!unlnews.unl.edu!feed.news.sonic.net!typhoon.sonic.net!not-
for-mail
From: "Steve" <zarco@sonic.net>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vv8ob756p517e3@corp.supernews.com>
<9e892fc1.0401311538.65ec585d@posting.google.com>
Subject: Re: Bye Bye CW
Lines: 15
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Message-ID: <_yYTb.12468$XF6.243264@typhoon.sonic.net>
Date: Wed, 04 Feb 2004 02:13:14 GMT
NNTP-Posting-Host: 209.148.122.202
X-Complaints-To: abuse@sonic.net
X-Trace: typhoon.sonic.net 1075860794 209.148.122.202 (Tue, 03 Feb 2004 18:13:14
PST)
NNTP-Posting-Date: Tue, 03 Feb 2004 18:13:14 PST
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:22762 rec.ham-radio.swap:3758
alt.ham-radio.hf:4106 rec.radio.amateur.swap:5374 rec.radio.swap:6686
```

First of all, welcome to ham radio! Always nice to have
new folks join the ranks.

I understand your point of view about morse code. It can certainly be viewed as out of date and unnecessary. I'm an olde fart that remembers travelling to the FCC office to take my test. Personally, I'd hate to see the code requirement go away becuase it was a lot of fun. Certainly a challenge, but once mastered (even at 5 WPM), it opened up an entirely new (to me) way to communicate. Folks that don't learn it are missing out.

Steve W6SSP

From -7865479790438209848
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2004-02-03 19:08:32 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!news.tele.dk!news.tele.dk!small.news.tele.dk!sn-xit-02!sn-xit-01!sn-post-01!supernews.com!corp.supernews.com!not-for-mail
From: Attila The Hun <Attila@door.net>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Date: Tue, 03 Feb 2004 21:06:49 -0600
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <1020oeb3hg6co4f@corp.supernews.com>
User-Agent: Mozilla/5.0 (Windows; U; Windows NT 5.0; en-US; rv:1.6b) Gecko/20031204 Thunderbird/0.4RC2
X-Accept-Language: en-us, en
MIME-Version: 1.0
References: <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com>
<busgsf$d77b$1@news3.infoave.net> <as5610dhs97aupcrd5f8a2ts2ilj3qp0cf@4ax.com>
<1018i2c1saq2led@corp.supernews.com> <mtej10dssbprsedhgle075gppifiq7p2ln@4ax.com>
<3urSb.2513$jH6.710@newsread1.news.atl.earthlink.net>
<Me-5DA20D.10291930012004@netnews.worldnet.att.net>
<dnWSb.150614$6y6.2946441@bgtnsc05-news.ops.worldnet.att.net>
<ushr10td27hrh91qs836sr3rf6q1h0op38@4ax.com> <101tjhi7ntk8s14@corp.supernews.com>
<h04u10t1tgfip63sune6ao0jk7me25o748@4ax.com>
In-Reply-To: <h04u10t1tgfip63sune6ao0jk7me25o748@4ax.com>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
X-Complaints-To: abuse@supernews.com
Lines: 14

```
Xref: archiver1.google.com rec.radio.amateur.antenna:6773
```

Bob McConnell wrote:

> That is correct. The first codeless license (Technician) was
> introduced Feb 1991. But how did the written portions compare between
> the amateur and commercial licenses?
>
> Bob McConnell
> N2SPP
>

I remember the First Phone as being the toughest test. There were a lot of questions about tube type circuits, and I was only familiar with solid state. The amateur tests had been "modernized" with transistor circuit questions, but the commercial tests were on "fifties" era circuits.

```
From 8010381064761600282
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2004-02-03 23:20:57 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!news-
out1.nntp.be!propagator4-cogent.newsfeed.com!propagator2-sterling!news-in-
sterling.newsfeeds.com!news.infoave.net!not-for-mail
From: "W4JLE" <w4jle(remove to reply)@pbtcomm.net>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-
radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Date: Wed, 4 Feb 2004 02:20:59 -0500
Organization: Info Avenue Internet Services, LLC
Lines: 27
Message-ID: <bvq6go$1102$1@news3.infoave.net>
References: <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com>
<busgsf$d77b$1@news3.infoave.net> <as5610dhs97aupcrd5f8a2ts2ilj3qp0cf@4ax.com>
<1018i2c1saq2led@corp.supernews.com> <mtej10dssbprsedhgle075gppifiq7p2ln@4ax.com>
<3urSb.2513$jH6.710@newsread1.news.atl.earthlink.net>
<Me-5DA20D.10291930012004@netnews.worldnet.att.net>
<dnWSb.150614$6y6.2946441@bgtnsc05-news.ops.worldnet.att.net>
<ushr10td27hrh91qs836sr3rf6q1h0op38@4ax.com> <101tjhi7ntk8s14@corp.supernews.com>
<h04u10t1tgfip63sune6ao0jk7me25o748@4ax.com> <1020oeb3hg6co4f@corp.supernews.com>
NNTP-Posting-Host: 64.53.62.21
X-Trace: news3.infoave.net 1075879257 33794 64.53.62.21 (4 Feb 2004 07:20:57 GMT)
X-Complaints-To: abuse@infoave.net
NNTP-Posting-Date: Wed, 4 Feb 2004 07:20:57 +0000 (UTC)
X-Priority: 3
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X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Xref: archiver1.google.com rec.radio.amateur.antenna:6789
```

I have taken them all at one time or another so can't give you an exact comparison, for my money the advanced amateur was the hardest.

As I cut my teeth on "Hollow State", the tube stuff was easy. You haven't lived until you have a rig with 3B24's emitting their purple glow into the shack.

```
"Attila The Hun" <Attila@door.net> wrote in message
news:1020oeb3hg6co4f@corp.supernews.com...
> Bob McConnell wrote:
>
> > That is correct. The first codeless license (Technician) was
> > introduced Feb 1991. But how did the written portions compare between
> > the amateur and commercial licenses?
> >
> > Bob McConnell
> > N2SPP
> >
>
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> of questions about tube type circuits, and I was only familiar with
> solid state.  The amateur tests had been "modernized" with transistor
> circuit questions, but the commercial tests were on "fifties" era
circuits.
```

```
From 1468318834946095861
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2004-02-04 07:11:26 PST
Date: Wed, 04 Feb 2004 09:07:59 -0600
From: Cecil Moore <Cecil.A.Moore@ieee.ONEDOT.org>
User-Agent: Mozilla/5.0 (Windows; U; Win 9x 4.90; en-US; rv:1.4) Gecko/20030624
Netscape/7.1 (ax)
X-Accept-Language: en-us, en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-
radio,rec.radio.amateur.antenna
```

```
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
References: <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com>
<busgsf$d77b$1@news3.infoave.net> <as5610dhs97aupcrd5f8a2ts2ilj3qp0cf@4ax.com>
<1018i2c1saq2led@corp.supernews.com> <mtej10dssbprsedhgle075gppifiq7p2ln@4ax.com>
<3urSb.2513$jH6.710@newsread1.news.atl.earthlink.net>
<Me-5DA20D.10291930012004@netnews.worldnet.att.net>
<dnWSb.150614$6y6.2946441@bgtnsc05-news.ops.worldnet.att.net>
<ushr10td27hrh91qs836sr3rf6q1h0op38@4ax.com> <101tjhi7ntk8s14@corp.supernews.com>
<h04u10t1tgfip63sune6ao0jk7me25o748@4ax.com> <1020oeb3hg6co4f@corp.supernews.com>
<bvq6go$1102$1@news3.infoave.net>
In-Reply-To: <bvq6go$1102$1@news3.infoave.net>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
NNTP-Posting-Host: 64.240.47.235
Message-ID: <40210b9b_4@corp.newsgroups.com>
X-Trace: corp.newsgroups.com 1075907483 64.240.47.235 (4 Feb 2004 09:11:23 -0600)
Lines: 14
X-Comments: This message was posted through <A href
X-Comments2: IMPORTANT: Newsfeed.com does not condone,
X-Report: Please report illegal or inappropriate use to
X-Comments3: <A href ="http://www.newsgroups.com">Visit
Organization: Newsfeeds.com http://www.newsfeeds.com 100,000+ UNCENSORED
Newsgroups.
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!news-
out2.nntp.be!local!corp.newsgroups.com!not-for-mail
Xref: archiver1.google.com rec.radio.amateur.antenna:6805
```

W4JLE wrote:

> As I cut my teeth on "Hollow State", the tube stuff was easy. You haven't
> lived until you have a rig with 3B24's emitting their purple glow into the
> shack.

Along with the VR-150's pulsating to the sound of your voice on AM.

--

73, Cecil   http://www.qsl.net/w5dxp

-----= Posted via Newsfeeds.Com, Uncensored Usenet News =-----
http://www.newsfeeds.com - The #1 Newsgroup Service in the World!
-----== Over 100,000 Newsgroups - 19 Different Servers! =-----

```
From -8186498501183131403
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
```

```
X-Google-ArrivalTime: 2004-02-04 08:22:49 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!attbi_feed3!
attbi.com!attbi_s01.POSTED!not-for-mail
From: Dave Shrader <david.shrader@comcast.net>
User-Agent: Mozilla/5.0 (Windows; U; Win98; en-US; rv:1.4) Gecko/20030624
Netscape/7.1 (ax)
X-Accept-Language: en-us, en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-
radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
References: <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com>
<busgsf$d77b$1@news3.infoave.net> <as5610dhs97aupcrd5f8a2ts2ilj3qp0cf@4ax.com>
<1018i2c1saq2led@corp.supernews.com> <mtej10dssbprsedhgle075gppifiq7p2ln@4ax.com>
<3urSb.2513$jH6.710@newsread1.news.atl.earthlink.net>
<Me-5DA20D.10291930012004@netnews.worldnet.att.net>
<dnWSb.150614$6y6.2946441@bgtnsc05-news.ops.worldnet.att.net>
<ushr10td27hrh91qs836sr3rf6q1h0op38@4ax.com> <101tjhi7ntk8s14@corp.supernews.com>
<h04u10t1tgfip63sune6ao0jk7me25o748@4ax.com> <1020oeb3hg6co4f@corp.supernews.com>
<bvq6go$1102$1@news3.infoave.net>
In-Reply-To: <bvq6go$1102$1@news3.infoave.net>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
Lines: 12
Message-ID: <t%8Ub.215632$I06.2376894@attbi_s01>
NNTP-Posting-Host: 24.34.70.11
X-Complaints-To: abuse@comcast.net
X-Trace: attbi_s01 1075911769 24.34.70.11 (Wed, 04 Feb 2004 16:22:49 GMT)
NNTP-Posting-Date: Wed, 04 Feb 2004 16:22:49 GMT
Organization: Comcast Online
Date: Wed, 04 Feb 2004 16:22:49 GMT
Xref: archiver1.google.com rec.radio.amateur.antenna:6809

W4JLE wrote:
> I have taken them all at one time or another so can't give you an exact
> comparison, for my money the advanced amateur was the hardest.
>
> As I cut my teeth on "Hollow State", the tube stuff was easy. You haven't
> lived until you have a rig with 3B24's emitting their purple glow into the
> shack.
>
> SNIP

Or, 866's




From 1130420346150200703
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
```

```
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2004-02-04 15:08:21 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!newshosting.com!
news-xfer1.atl.newshosting.com!news-feed01.roc.ny.frontiernet.net!
nntp.frontiernet.net!news02.roc.ny.POSTED!not-for-mail
From: "Steve Stone" <spfleck@zzcitlinkzz.net>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-
radio,rec.radio.amateur.antenna
References: <400EE264.97B86A9B@cwis.net> <100u2kv7qrcmdc5@corp.supernews.com>
<400f17ae_8@corp.newsgroups.com> <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com>
<busgsf$d77b$1@news3.infoave.net> <as5610dhs97aupcrd5f8a2ts2ilj3qp0cf@4ax.com>
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<3urSb.2513$jH6.710@newsread1.news.atl.earthlink.net>
<Me-5DA20D.10291930012004@netnews.worldnet.att.net>
<dnWSb.150614$6y6.2946441@bgtnsc05-news.ops.worldnet.att.net>
<ushr10td27hrh91qs836sr3rf6q1h0op38@4ax.com> <101tjhi7ntk8s14@corp.supernews.com>
<bvmpah$air5$1@news3.infoave.net>
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Lines: 43
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <FXeUb.14160$3h6.12836@news02.roc.ny>
X-Complaints-To: abuse-news@frontiernet.net
X-Trace:
52616e646f6d495691bb44335acc20719fd77917aa9d368be31503e69737b1f9a96539e89ac1f5a60f
0ac84539776e9ff9ef1a9d90013e2f8c0495aa7b9989f4419ce2632a9fa0d00579b8db8dc2bd9fb090
c66757697e8f17a5f935ea85eb34
X-Abuse-Info: Please be sure to forward ALL headers so that we may process your
complaint properly.
NNTP-Posting-Date: Wed, 04 Feb 2004 23:08:21 GMT
Date: Wed, 04 Feb 2004 23:08:21 GMT
Xref: archiver1.google.com rec.radio.amateur.antenna:6845
```

When I took my no code tech license in 1993 I didn't have to do what you did in 1957.

But I did spend years in college attaining a degree in Electronic Technology , learned all about tubes and electron theory, electronics related math, drew schematics, learned about solid state and early digital IC's, op amps, did work study doing bench work at a BSR factory, learned how to repair motracs and radar units in a professors garage shop (he was a ham and the local service guy for the radios the cops used). Moved into the working world in the late 70's , Trained on teletype repair at the Skokie, Il. plant., Worked as an engineering lab tech programming EPROMs and ROM for early electronic control units writing code onto paper tape, used sniffers on networks, Made engineering changes to prototype circuit boards, Worked on repair of mainframe water cooled computers with scopes, meters, and all kinds of magic tools and test equipment, learned personal computers and telecommunications networks, specialized in bus sized high speed laser printers (3800) and 3745 telecommunications boxes, learned how write mainframe code, learned how to write PC code, can fix computers in my sleep. Have a bunch of WORKING self repaired reel to reel tape decks and radios in my garage collection. Fix my own cars. Maintain my own home.

I'm a no code tech.

It doesn't mean I'm a button pusher. Don't treat us like dirt.

Steve
N2UBP

-- > When I took my test in 1957, the FCC guy testing , told me the most
> difficult test was the amateur advanced.
>
> Back then You both sent and received Morse, and a solid one minute out of
> three was the passing mark. The test itself consisted of drawing schematics,
> supplying missing components to a schematic, etc. Unlike today's NO CODE, No
> ELECTRONICS exams.
>

From -1560771116901449983
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2004-02-04 19:36:25 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!easynews.com!easynews!news.infoave.net!not-for-mail
From: "W4JLE" <w4jle(remove to reply)@pbtcomm.net>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Date: Wed, 4 Feb 2004 22:36:27 -0500
Organization: Info Avenue Internet Services, LLC
Lines: 53
Message-ID: <bvsdnp$26tv$1@news3.infoave.net>
References: <400EE264.97B86A9B@cwis.net> <100u2kv7qrcmdc5@corp.supernews.com>

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<400f17ae_8@corp.newsgroups.com> <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com>
<busgsf$d77b$1@news3.infoave.net> <as5610dhs97aupcrd5f8a2ts2ilj3qp0cf@4ax.com>
<1018i2c1saq2led@corp.supernews.com> <mtej10dssbprsedhgle075gppifiq7p2ln@4ax.com>
<3urSb.2513$jH6.710@newsread1.news.atl.earthlink.net>
<Me-5DA20D.10291930012004@netnews.worldnet.att.net>
<dnWSb.150614$6y6.2946441@bgtnsc05-news.ops.worldnet.att.net>
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<bvmpah$air5$1@news3.infoave.net> <FXeUb.14160$3h6.12836@news02.roc.ny>
NNTP-Posting-Host: 64.53.62.21
X-Trace: news3.infoave.net 1075952185 72639 64.53.62.21 (5 Feb 2004 03:36:25 GMT)
X-Complaints-To: abuse@infoave.net
NNTP-Posting-Date: Thu, 5 Feb 2004 03:36:25 +0000 (UTC)
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Xref: archiver1.google.com rec.radio.amateur.antenna:6863

There you go, waving  a 2 inch swantz  around the big boys and crying
because we are not impressed.

Never said you were dirt, I did say your getting a free ride as the result
of those unable to compete, whining long and hard.

"Steve Stone" <spfleck@zzcitlinkzz.net> wrote in message
news:FXeUb.14160$3h6.12836@news02.roc.ny...
>
> When I took my no code tech license in 1993 I didn't have to do what you
did
> in 1957.
>
> But I did spend years in college attaining a degree in Electronic
Technology
> , learned all about tubes and electron theory, electronics related math,
> drew schematics, learned about solid state and early digital IC's, op
amps,
> did work study doing bench work at  a BSR factory, learned how to repair
> motracs and radar units in a professors garage shop (he was a ham and the
> local service guy for the radios the cops used). Moved into the working
> world in the late 70's , Trained on teletype repair at the Skokie, Il.
> plant., Worked as an engineering lab tech programming EPROMs and ROM for
> early electronic control units writing code onto paper tape, used sniffers
> on networks, Made engineering changes to prototype circuit boards, Worked
on
> I'm a no code tech.

MORE YA DA Da Da Snipped...
>
> It doesn't mean I'm a button pusher. Don't treat us like dirt.
>
> Steve
> N2UBP
>
```

```
>
>
> -- > When I took my test in 1957, the FCC guy testing , told me the most
> > difficult test was the amateur advanced.
> >
> > Back then You both sent and received Morse, and a solid one minute out
of
> > three was the passing mark. The test itself consisted of drawing
> schematics,
> > supplying missing components to a schematic, etc. Unlike today's NO
CODE,
> No
> > ELECTRONICS exams.
> >
>
>
```

```
From -7369826876863578950
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2004-02-05 20:49:02 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!
in.100proofnews.com!in.100proofnews.com!prodigy.com!newsmst01.news.prodigy.com!
prodigy.com!postmaster.news.prodigy.com!newssvr23.news.prodigy.com.POSTED!
416e4223!not-for-mail
From: "James Brennan" <absalomfunk@sbcglobal.net>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-
radio,rec.radio.amateur.antenna
References: <400EE264.97B86A9B@cwis.net> <100u2kv7qrcmdc5@corp.supernews.com>
<400f17ae_8@corp.newsgroups.com> <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com>
<busgsf$d77b$1@news3.infoave.net> <as5610dhs97aupcrd5f8a2ts2ilj3qp0cf@4ax.com>
<1018i2c1saq2led@corp.supernews.com> <mtej10dssbprsedhgle075gppifiq7p2ln@4ax.com>
<3urSb.2513$jH6.710@newsread1.news.atl.earthlink.net>
<Me-5DA20D.10291930012004@netnews.worldnet.att.net>
<dnWSb.150614$6y6.2946441@bgtnsc05-news.ops.worldnet.att.net>
<ushr10td27hrh91qs836sr3rf6q1h0op38@4ax.com> <101tjhi7ntk8s14@corp.supernews.com>
<bvmpah$air5$1@news3.infoave.net> <FXeUb.14160$3h6.12836@news02.roc.ny>
<bvsdnp$26tv$1@news3.infoave.net>
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Lines: 46
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
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X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <u0FUb.1167$6r5.106@newssvr23.news.prodigy.com>
NNTP-Posting-Host: 67.67.114.145
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr23.news.prodigy.com 1076042906 ST000 67.67.114.145 (Thu, 05 Feb 2004 23:48:26 EST)
NNTP-Posting-Date: Thu, 05 Feb 2004 23:48:26 EST
Organization: SBC http://yahoo.sbc.com
X-UserInfo1:
Q[OQB_KGTBUMRPPY[RHROFXBWR\HPCTL@XT^OBPLAH[\BTUCCNSKQFCY@TXDX_WHSVB]ZEJLSNY\^J[CUVSA_QLFC^RQHUPH[P[NRWCCMLSNPOD_ESALHUK@TDFUZHBLJ\XGKL^NXA\EVHSP[D_C^B_^JCX^W]CHBAX]POG@SSAZQ\LE[DCNMUPG_VSC@VJM
Date: Fri, 06 Feb 2004 04:48:26 GMT
Xref: archiver1.google.com rec.radio.amateur.antenna:6929

As a younger Ham (27), who could have gone no-code, I say keep the code. It's a right of passage, plus the ability to send/receive means multipliers on contest weekends... hi hi.

I know a no-code who can't ground an antenna.

I know a no-code who has built several homebrew rigs that all work marvellously.

The lack of code in liscensing has NOTHING to do with actual mechanical ability, it has to do with REALLY wanting to be a part of a fraternity that can and does do a lot of good not only for the local communtiy, but the international one as well.

While I will agree that the hobby of amateur radio has a shrinking population (due largely in part to what sent you this message... the internet) and needs some revitalization, lessening the requirements is not the way to do it. Why not promote ARES or RACES. Some of the most fun I've ever had was volunteering in St. Charles county Missouri back in 1993 when 2/3 of the county was under water. I got to see a lot of things and go a lot of places that the average "civilian" wouldn't be allowed to go. THAT'S NEAT!

At the same time, younger members of the community should not be shunned as me and my friends were by certain hams just because of our age. We used to get run off repeaters at 3 am on Friday nights because we were "keeping people up." TURN OFF YOUR RIG WHEN YOU'RE ASLEEP!!! We were told it was because of our age... "no 16 yr. old could possibly have a clue." THAT'S NOT NEAT! To this day, there are local hams who won't talk to me when I call "monitoring" on 2 meters just because of who I am... a grudge based on age held for 11 years... ???

At the same time, I"ve made some of my best friends by trolling VHF/UHF (even though HF is my true love). My first directional 10m antenna was given to me by a guy who was impressed that I had a confirmed QSO from Kwajellain Atoll. No I break pile-ups on a regular basis. Thanks Scott.

Anyway... that's my 2 cents...

73's
KB0JNF (I'm PROUD of my novice callsign)
James Brennan

PS what is echolink? That takes all the fun out of a contact...

From 5145754224330676507
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2004-02-06 07:43:57 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!nntp.abs.net!attws2!att542!att541!ip.att.net!swen.emba.uvm.edu!not-for-mail
From: jim breeeyar <james.breeyear@uvm.edu>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Date: Fri, 06 Feb 2004 10:45:08 -0500
Organization: EM Computer Facility, The University of Vermont
Lines: 24
Message-ID: <c00cnl$tj1m$1@swen.emba.uvm.edu>
References: <400EE264.97B86A9B@cwis.net> <100u2kv7qrcmdc5@corp.supernews.com> <400f17ae_8@corp.newsgroups.com> <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com> <busgsf$d77b$1@news3.infoave.net> <as5610dhs97aupcrd5f8a2ts2ilj3qp0cf@4ax.com> <1018i2c1saq2led@corp.supernews.com> <mtej10dssbprsedhgle075gppifiq7p2ln@4ax.com> <3urSb.2513$jH6.710@newsread1.news.atl.earthlink.net> <Me-5DA20D.10291930012004@netnews.worldnet.att.net> <dnWSb.150614$6y6.2946441@bgtnsc05-news.ops.worldnet.att.net> <ushr10td27hrh91qs836sr3rf6q1h0op38@4ax.com> <101tjhi7ntk8s14@corp.supernews.com> <bvmpah$air5$1@news3.infoave.net> <FXeUb.14160$3h6.12836@news02.roc.ny> <bvsdnp$26tv$1@news3.infoave.net> <u0FUb.1167$6r5.106@newssvr23.news.prodigy.com>
NNTP-Posting-Host: 132.198.147.240
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
X-Trace: swen.emba.uvm.edu 1076082229 969782 132.198.147.240 (6 Feb 2004 15:43:49 GMT)
X-Complaints-To: usenet@emba.uvm.edu
NNTP-Posting-Date: 6 Feb 2004 15:43:49 GMT
User-Agent: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.4) Gecko/20030624 Netscape/7.1 (ax)
X-Accept-Language: en-us, en
In-Reply-To: <u0FUb.1167$6r5.106@newssvr23.news.prodigy.com>

Xref: archiver1.google.com rec.radio.amateur.antenna:6942

James Brennan wrote:
> As a younger Ham (27), who could have gone no-code, I say keep the code.
> It's a right of passage, plus the ability to send/receive means multipliers
> on contest weekends... hi hi.
>
>
> PS what is echolink? That takes all the fun out of a contact...
>
>

What difference does it make if a person who pays taxes to support an organization(FCC), doesnt know a tube from a transistor. Why shouldnt they have equal access to the privilages. Most buy an appliance and start putting it to use. You dont need a license to build. There is so much garbage on the air now it wouldnt matter how clean the signal was. Things mutate with time. I have experienced 49 years of ham radio and 99 percent of what i did didnt require a license. Pressing the mic button did, plus being considerate, respectful, and helpful after pressing the button.

W1HRM

From -3460431386907584851
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2004-02-06 10:01:31 PST
Path: archiver1.google.com!news1.google.com!news2.google.com!news.maxwell.syr.edu!newsfeed00.sul.t-online.de!newsmm00.sul.t-online.com!t-online.de!news.t-online.com!not-for-mail
From: "Helmut" <Helmut@Stroeml.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
Date: Wed, 4 Feb 2004 13:21:09 +0100

Organization: T-Online
Lines: 53
Message-ID: <bvqo3h$c4j$01$1@news.t-online.com>
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vv8ob756p517e3@corp.supernews.com>
<9e892fc1.0401311538.65ec585d@posting.google.com>
<_yYTb.12468$XF6.243264@typhoon.sonic.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: news.t-online.com 1075897266 01 12435 hh5FGAW1VyLVSdqL 040204 12:21:06
X-Complaints-To: usenet-abuse@t-online.de
X-ID: VC4H-yZlYeUSSNOq0H7PlWTxxf14gDMU8ED82ns63cItiBmGx4M7wG
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:22947 rec.ham-radio.swap:3764
alt.ham-radio.hf:4121 rec.radio.amateur.swap:5377 rec.radio.swap:6823

Dear Steve,

"Steve" <zarco@sonic.net> schrieb im Newsbeitrag
news:_yYTb.12468$XF6.243264@typhoon.sonic.net...
> First of all, welcome to ham radio! Always nice to have
> new folks join the ranks.

Thanks for the nice welcome. I do appreciate beeing a ham since the early 70s. Starting within the United Nation Forces in Cyprus and operating the SW-Home Link Station from Larnaca, 5B4ACU was my callsign, it was a real great thing to be able to operate a full Collins S-line also on ham bands. Antenna was a Rhombic with 240 feet each side, directed towards Austria. Back in Austria, I had to pass the exam to get OE8SOQ. Thats for the history so far.

>
> I understand your point of view about morse code. It can
> certainly be viewed as out of date

like driving heritage cars and flying oldtimer aircrafts

> and unnecessary.

Is a hobby really necessary?

> I'm an olde fart that remembers travelling to the FCC office
> to take my test. Personally, I'd hate to see the code requirement
> go away becuase it was a lot of fun.

Steve, nowhere in the ITU recomendation is stated, that there must not be any more CW operation on the bands.

> Certainly a challenge, but
> once mastered (even at 5 WPM), it opened up an
> entirely new (to me) way to communicate.

You will still be alowed to stay to your favorite mode, and there will be
zillion of hams out there on the all bands, not only HF, who will share
their love for this tremendouos skill.

> Folks that don't learn it are missing out.

Unfortunately, I've lost a part of my hearing abilities, so for me it is
impossible to do Morse code any more, but i loved it, while I could do it.

Best regards and 73 de OE8SOQ
Helmut
>
>   Steve W6SSP
>
>

From 5901740146378906492
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-ArrivalTime: 2004-02-06 14:39:22 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!
in.100proofnews.com!in.100proofnews.com!prodigy.com!prodigy.com!
newsmst01.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr28.news.prodigy.com.POSTED!not-for-mail
Reply-To: "Dee D. Flint" <deehays@qix.net>
From: "Dee D. Flint" <deehays@qix.net>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vv8ob756p517e3@corp.supernews.com>
<9e892fc1.0401311538.65ec585d@posting.google.com>
<_yYTb.12468$XF6.243264@typhoon.sonic.net> <bvqo3h$c4j$01$1@news.t-online.com>

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Subject: Re: Bye Bye CW
Lines: 16
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <zFUUb.491$t16.504882@newssvr28.news.prodigy.com>
NNTP-Posting-Host: 67.107.248.114
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr28.news.prodigy.com 1076106975 ST000 67.107.248.114 (Fri, 06 Feb
2004 17:36:15 EST)
NNTP-Posting-Date: Fri, 06 Feb 2004 17:36:15 EST
Organization: SBC http://yahoo.sbc.com
X-UserInfo1:
SCSYQN_@O@WYRTPPFJKV^_TDFZ\@@FXLM@TDOCQDJ@_@FNHBK^RAQFW[ML\THRCKV^GGZKJMGV^^_JSCFF
UA_QXFGVSCYRPILH]TRVKC^LSN@DX_HCAFX__@J\DAJBVMY\ZWZCZLPA^MVH_P@\
\EOMW\YSXHG__IJQY_@M[A[[AXQ_XDSTAR]\PG]NVAQUVM
Date: Fri, 06 Feb 2004 22:36:15 GMT
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:22977 rec.ham-radio.swap:3765
alt.ham-radio.hf:4124 rec.radio.amateur.swap:5378 rec.radio.swap:6848
```

"Helmut" <Helmut@Stroeml.com> wrote in message
news:bvqo3h$c4j$01$1@news.t-online.com...

>
> Unfortunately, I've lost a part of my hearing abilities, so for me it is
> impossible to do Morse code any more, but i loved it, while I could do it.
>
> Best regards and 73 de OE8SOQ
> Helmut

With modern radios you should be able to adjust it so you can still do Morse. It really ought to be clearer than speech. Or has your hearing bad enough that now you stick to digital?

Dee D. Flint, N8UZE

```
From 7946147760019131989
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
```

X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-ArrivalTime: 2004-02-06 17:15:41 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!
hammer.uoregon.edu!canoe.uoregon.edu!newshub.sdsu.edu!elnk-nf2-pas!
newsfeed.earthlink.net!stamper.news.pas.earthlink.net!
stamper.news.atl.earthlink.net!newsread1.news.atl.earthlink.net.POSTED!96824b94!
not-for-mail
From: "Dan/W4NTI" <w4nti@get rid of this mindspring.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vv8ob756p517e3@corp.supernews.com>
<9e892fc1.0401311538.65ec585d@posting.google.com>
<_yYTb.12468$XF6.243264@typhoon.sonic.net> <bvqo3h$c4j$01$1@news.t-online.com>
<zFUUb.491$t16.504882@newssvr28.news.prodigy.com>
Subject: Re: Bye Bye CW
Lines: 31
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <0%WUb.13377$jH6.10541@newsread1.news.atl.earthlink.net>
Date: Sat, 07 Feb 2004 01:15:40 GMT
NNTP-Posting-Host: 199.174.147.193
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread1.news.atl.earthlink.net 1076116540 199.174.147.193 (Fri, 06 Feb 2004 17:15:40 PST)
NNTP-Posting-Date: Fri, 06 Feb 2004 17:15:40 PST
Organization: EarthLink Inc. -- http://www.EarthLink.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:22993 rec.ham-radio.swap:3766
alt.ham-radio.hf:4125 rec.radio.amateur.swap:5379 rec.radio.swap:6861

"Dee D. Flint" <deehays@qix.net> wrote in message
news:zFUUb.491$t16.504882@newssvr28.news.prodigy.com...
>
> "Helmut" <Helmut@Stroeml.com> wrote in message
> news:bvqo3h$c4j$01$1@news.t-online.com...
> >
> > Unfortunately, I've lost a part of my hearing abilities, so for me it is
> > impossible to do Morse code any more, but i loved it, while I could do
it.
> >
> > Best regards and 73 de OE8SOQ
> > Helmut
>
> With modern radios you should be able to adjust it so you can still do

> Morse. It really ought to be clearer than speech. Or has your hearing
bad
> enough that now you stick to digital?
>
> Dee D. Flint, N8UZE
>

Helmut, have you tried a transducer put on the side of the head? The
vibrations may do the trick. Or a LED device to do it visually? Or putting
your fingers on a transducer or the speaker perhaps?

Just a few thoughts.

Dan/W4NTI

From -4822685985467123341
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2004-02-06 18:56:07 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!elnk-pas-nf1!
newsfeed.earthlink.net!pd7cy1no!shaw.ca!pd7tw1no.POSTED!53ab2750!not-for-mail
X-Trace-PostClient-IP: 68.144.180.113
From: Tony Hwang <dragon40@shaw.ca>
User-Agent: Mozilla/5.0 (Windows; U; Windows NT 5.0; en-US; rv:1.4) Gecko/20030624
Netscape/7.1 (ax)
X-Accept-Language: en-us, ko-kr
MIME-Version: 1.0
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vv8ob756p517e3@corp.supernews.com>
<9e892fc1.0401311538.65ec585d@posting.google.com>
<_yYTb.12468$XF6.243264@typhoon.sonic.net> <bvqo3h$c4j$01$1@news.t-online.com>
<zFUUb.491$t16.504882@newssvr28.news.prodigy.com>
In-Reply-To: <zFUUb.491$t16.504882@newssvr28.news.prodigy.com>

```
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
Lines: 23
Message-ID: <atYUb.412963$JQ1.55722@pd7tw1no>
Date: Sat, 07 Feb 2004 02:56:06 GMT
NNTP-Posting-Host: 24.71.223.147
X-Complaints-To: abuse@shaw.ca
X-Trace: pd7tw1no 1076122566 24.71.223.147 (Fri, 06 Feb 2004 19:56:06 MST)
NNTP-Posting-Date: Fri, 06 Feb 2004 19:56:06 MST
Organization: Shaw Residential Internet
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:23006 rec.ham-radio.swap:3767
alt.ham-radio.hf:4126 rec.radio.amateur.swap:5380 rec.radio.swap:6869

Dee D. Flint wrote:
> "Helmut" <Helmut@Stroeml.com> wrote in message
> news:bvqo3h$c4j$01$1@news.t-online.com...
>
>>Unfortunately, I've lost a part of my hearing abilities, so for me it is
>>impossible to do Morse code any more, but i loved it, while I could do it.
>>
>>Best regards and 73 de OE8SOQ
>>Helmut
>
>
> With modern radios you should be able to adjust it so you can still do
> Morse.  It really ought to be clearer than speech.  Or has your hearing bad
> enough that now you stick to digital?
>
> Dee D. Flint, N8UZE
>
Hi,
Why not? You can use light. Make a flashing light from audio code
signal. Being deaf is not an excuse if you really want to do it.
73,
Tony, VE6CGX



From 6138798238664949005
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,72cd90559f8cf680,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,72cd90559f8cf680,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,72cd90559f8cf680,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,72cd90559f8cf680,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fb049,72cd90559f8cf680,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 114a57,72cd90559f8cf680,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: 1109af,72cd90559f8cf680,start
```

```
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2004-02-22 16:51:58 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!zeus.visi.com!news-out.visi.com!petbe.visi.com!news.octanews.net!
newsfeeds-atl2!news.usenetserver.com!fe01.usenetserver.com.POSTED!53ab2750!not-
for-mail
From: "Daniel W4ADT" <danielw4adt@alltel.net>
Newsgroups: alt.ham-radio.hf,alt.ham-radio.marketplace,alt.ham-radio.vhf-
uhf,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.swap,rec.radio.swap
Subject: FS: Alinco DR-110T
Lines: 17
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <N8c_b.6493$c33.5041@fe01.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Sun, 22 Feb 2004 19:51:57 EST
Date: Sun, 22 Feb 2004 19:51:24 -0500
Xref: archiver1.google.com alt.ham-radio.hf:4162 alt.ham-radio.marketplace:16049
alt.ham-radio.vhf-uhf:23272 rec.ham-radio.swap:3800 rec.radio.amateur.swap:5437
rec.radio.swap:7708
```

Thanks for reading my message. I have a good condition, everything works fine, Alinco DR-110T 2 meter Mobile (been using as base). Condition cosmetic I would rate it a 9.5. As I said I have talked on rig, received good reports. Mic however I don't care for, it works fine, however I don't like the way it keys the rig - again, the MIC WORKS, I just don't like it - mic does have keypad.

$135.00 Shipped CONUS

Email directly please db1@dbgeneralstore.com

Also find other ham gear for sale at my website www.dbgeneralstore.com

73 Daniel W4ADT

```
From -6489138753311509648
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
```

X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2004-02-29 06:32:14 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!newshub.sdsu.edu!elnk-nf2-pas!newsfeed.earthlink.net!wn51feed!worldnet.att.net!216.168.1.162!sn-xit-02!sn-xit-01!sn-post-01!supernews.com!corp.supernews.com!not-for-mail
From: "Mitch Dickson" <mitch@volstate.net>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Date: Sun, 29 Feb 2004 09:30:30 -0500
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <1043trkcgens25b@corp.supernews.com>
References: <X3tPb.32995$2L6.7688@bignews6.bellsouth.net>
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2919.6600
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@supernews.com
Lines: 33
Xref: archiver1.google.com rec.radio.amateur.antenna:8254

> >From ARRL Headquarters
> Newington CT January 20, 2004
> To all radio amateurs
>
> SB QST ARL ARLB003
> ARLB003 ARRL to Propose New Entry-Level License, Code-Free HF Access
>
> The ARRL will ask the FCC to create a new entry-level Amateur Radio license that would include HF phone privileges without requiring a Morse code test.

Isn't that "Special"!!!!!! I can hardly wait to be in the middle of a good QRP QSO and hear some CBer who thinks he is a ham blair in with "Is the channel in use?"

It is nice to know that the good friends at ARRL sold us out! Wonder what 30 pieces of silver will buy these days? Apparently if you are a corporation, it will buy you the priviledge to destroy ham radio! Heck, why require a license at all? That seems like such a bother. Why not just make up a call and get you a radio and jump in "Good Buddy"? I'll bet that for 50 bucks, the "board" at ARRL will back you!

Mitch
AE4YW
--
"Come by and sit a spell with me at www.volstate.net/~mitch/   "

mitch@volstate.net

```
From -2641227927330204363
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2004-02-29 08:09:34 PST
Date: Sun, 29 Feb 2004 10:08:56 -0600
From: Cecil Moore <Cecil.A.Moore@ieee.ONEDOT.org>
User-Agent: Mozilla/5.0 (Windows; U; Win 9x 4.90; en-US; rv:1.4) Gecko/20030624
Netscape/7.1 (ax)
X-Accept-Language: en-us, en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-
radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
References: <X3tPb.32995$2L6.7688@bignews6.bellsouth.net>
<1043trkcgens25b@corp.supernews.com> <s5244058tij54ofc2t6q01hc0b513qm3f2@4ax.com>
In-Reply-To: <s5244058tij54ofc2t6q01hc0b513qm3f2@4ax.com>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
NNTP-Posting-Host: 64.240.47.57
Message-ID: <40420eae_2@corp.newsgroups.com>
X-Trace: corp.newsgroups.com 1078070958 64.240.47.57 (29 Feb 2004 10:09:18 -0600)
Lines: 19
X-Comments: This message was posted through <A href
X-Comments2: IMPORTANT: Newsfeed.com does not condone,
X-Report: Please report illegal or inappropriate use to
X-Comments3: <A href ="http://www.newsgroups.com">Visit
Organization: Newsfeeds.com http://www.newsfeeds.com 100,000+ UNCENSORED
Newsgroups.
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!news-
out2.nntp.be!local!corp.newsgroups.com!not-for-mail
Xref: archiver1.google.com rec.radio.amateur.antenna:8262
```

Bill Turner wrote:
> "Mitch Dickson" <mitch@volstate.net> wrote:
>>Isn't that "Special"!!!!!! I can hardly wait to be in the middle of a good
>>QRP QSO and hear some CBer who thinks he is a ham blair in with "Is the
>>channel in use?"
>
> The word is "blare". Ignorance can be found with or without a ham
> license.

Don't you just hate being in the middle of a CW QRP QSO

with a ham who can't spell? :-)
--
73, Cecil   http://www.qsl.net/w5dxp

-----= Posted via Newsfeeds.Com, Uncensored Usenet News =-----
http://www.newsfeeds.com - The #1 Newsgroup Service in the World!
-----== Over 100,000 Newsgroups - 19 Different Servers! =-----

From 8629527791542029462
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2004-03-01 20:14:20 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!cyclone.bc.net!
tdsnet-transit!newspeer.tds.net!sn-xit-02!sn-xit-01!sn-post-01!supernews.com!
corp.supernews.com!not-for-mail
From: "Mitch Dickson" <mitch@volstate.net>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Date: Mon, 1 Mar 2004 23:13:53 -0500
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <10482f8g5bt9165@corp.supernews.com>
References: <X3tPb.32995$2L6.7688@bignews6.bellsouth.net>
<1043trkcgens25b@corp.supernews.com> <s5244058tij54ofc2t6q01hc0b513qm3f2@4ax.com>
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2919.6600
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@supernews.com
Lines: 37
Xref: archiver1.google.com rec.radio.amateur.antenna:8343

LMAO! Why thank you BT, and it's nice to know that after what I wrote in
that post, the only thing you could find to bitch about was a mispelled word
:) Cut a little close to the quick did it? HEHEHE!

--... ...--

.- . ....- -.-- .--

Perhaps some kind old general will take pity and interpret the above for you
:)

```
Mitch
AE4YW

--
"Come by and sit a spell with me at  www.volstate.net/~mitch/    "

mitch@volstate.net
"Bill Turner" <noway@nohow.com> wrote in message
news:s5244058tij54ofc2t6q01hc0b513qm3f2@4ax.com...
> On Sun, 29 Feb 2004 09:30:30 -0500, "Mitch Dickson" <mitch@volstate.net>
> wrote:
>
> >Isn't that "Special"!!!!!!  I can hardly wait to be in the middle of a
good
> >QRP QSO and hear some CBer who thinks he is a ham blair in with "Is the
> >channel in use?"
>
> _________________________________________________________
>
> The word is "blare".  Ignorance can be found with or without a ham
> license.
>
> --
> BT




From 4688141682552913722
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2004-03-02 09:57:11 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
newsfeed.berkeley.edu!ucberkeley!cyclone-sf.pbi.net!216.196.106.144!
border2.nntp.sjc.giganews.com!border1.nntp.sjc.giganews.com!nntp.giganews.com!
local1.nntp.sjc.giganews.com!nntp.comcast.com!news.comcast.com.POSTED!not-for-mail
NNTP-Posting-Date: Tue, 02 Mar 2004 11:57:10 -0600
From: "CW" <clinton.magers@comcast.net>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-
radio,rec.radio.amateur.antenna
References: <X3tPb.32995$2L6.7688@bignews6.bellsouth.net>
<1043trkcgens25b@corp.supernews.com> <s5244058tij54ofc2t6q01hc0b513qm3f2@4ax.com>
<10482f8g5bt9165@corp.supernews.com>
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Date: Tue, 2 Mar 2004 09:58:19 -0800
X-Priority: 3
```

```
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <bOudnQCD1otrV9ndRVn-jA@comcast.com>
Lines: 10
NNTP-Posting-Host: 24.18.14.127
X-Trace: sv3-houXAUYl93xLewysyjWNInLRi2/8JqJYxLrncvVkwr595t9vD/
64pgrV7DKr0gCdx2B4T1BluSCRMOO!g63mVYjDl7Ubk6RXLBfwV1ob5LoF2SYCmynZa/
2OTPK925wGcuXHAVEyW6Mu
X-Complaints-To: abuse@comcast.net
X-DMCA-Complaints-To: dmca@comcast.net
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint
properly
X-Postfilter: 1.1
Xref: archiver1.google.com rec.radio.amateur.antenna:8359

I'm sure that he just put you off as a hopeless idiot, as did I.

"Mitch Dickson" <mitch@volstate.net> wrote in message
news:10482f8g5bt9165@corp.supernews.com...
> LMAO!  Why thank you BT, and it's nice to know that after what I wrote in
> that post, the only thing you could find to bitch about was a mispelled
word
> :)  Cut a little close to the quick did it?  HEHEHE!




From -6891465789854501888
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,320e4ce236b06907,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,320e4ce236b06907,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,320e4ce236b06907,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 1009ad,320e4ce236b06907,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: f76e2,320e4ce236b06907,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 108778,320e4ce236b06907,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 154e49,320e4ce236b06907,start
X-Google-Attributes: gid154e49,public
X-Google-Thread: 135bf4,320e4ce236b06907,start
X-Google-Attributes: gid135bf4,public
X-Google-ArrivalTime: 2004-03-06 15:24:56 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!zeus.visi.com!priapus.visi.com!orange.octanews.net!news-
out.visi.com!petbe.visi.com!news.octanews.net!in.100proofnews.com!
in.100proofnews.com!cox.net!news-xfer.cox.net!p01!fed1read05.POSTED!not-for-mail
From: "Ivory Kid" <ivorykid@yahoo.com>
```

```
Newsgroups: alt.binaries.radio-scanner,alt.ham-radio,alt.ham-
radio.marketplace,alt.radio.amateur,alt.radio.scanner,alt.rec.radio.shortwave,rec.
ham-radio,rec.ham-radio.swap
Subject: FA: UNIDEN BC-250D, LIKE NEW.
Lines: 8
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <b5t2c.9348$506.6744@fed1read05>
Date: Sat, 6 Mar 2004 15:25:02 -0800
NNTP-Posting-Host: 68.228.66.209
X-Complaints-To: abuse@cox.net
X-Trace: fed1read05 1078615495 68.228.66.209 (Sat, 06 Mar 2004 18:24:55 EST)
NNTP-Posting-Date: Sat, 06 Mar 2004 18:24:55 EST
Organization: Cox Communications
Xref: archiver1.google.com alt.ham-radio.marketplace:16129 alt.radio.scanner:2514
rec.ham-radio.swap:3840

For auction: Uniden BC-250D digital-capable scanner (digital card not
included).

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=3083131323

Thanks for looking.
```

```
From -4161104075071672579
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,aaa8a8b914455574,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,aaa8a8b914455574,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,aaa8a8b914455574,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,aaa8a8b914455574,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,aaa8a8b914455574,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,aaa8a8b914455574,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,aaa8a8b914455574,start
X-Google-Attributes: gid108778,public
X-Google-Thread: fcc6e,aaa8a8b914455574,start
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2004-03-06 16:55:54 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!zeus.visi.com!news-out.visi.com!green.octanews.net!news-
out.octanews.net!news.glorb.com!in.100proofnews.com!in.100proofnews.com!cox.net!
news-xfer.cox.net!p01!fed1read05.POSTED!not-for-mail
From: "Ivory Kid" <ivorykid@yahoo.com>
```

```
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.swap
Subject: FA: LMR-400 Low Loss Coax, 50 Feet, BRAND NEW!
Lines: 8
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <tqu2c.9363$506.8898@fed1read05>
Date: Sat, 6 Mar 2004 16:55:57 -0800
NNTP-Posting-Host: 68.228.66.209
X-Complaints-To: abuse@cox.net
X-Trace: fed1read05 1078620953 68.228.66.209 (Sat, 06 Mar 2004 19:55:53 EST)
NNTP-Posting-Date: Sat, 06 Mar 2004 19:55:53 EST
Organization: Cox Communications
Xref: archiver1.google.com alt.ham-radio.marketplace:16130 rec.ham-radio.swap:3841
rec.radio.amateur:6552 rec.radio.amateur.antenna:8583 rec.radio.amateur.swap:5508

FA: 50 feet of Times Microwave Systems LMR-400 low loss coax cable. Brand
New.

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&category=48704&item=3083145446

Thanks For Looking!




From -598737910771201407
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2004-03-15 00:35:40 PST
Path: archiver1.google.com!postnews2.google.com!not-for-mail
From: iverson910506@yahoo.com.tw (Anderson)
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-
radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Date: 15 Mar 2004 00:35:39 -0800
Organization: http://groups.google.com
Lines: 1
Message-ID: <c0009b03.0403150035.7714f331@posting.google.com>
References: <X3tPb.32995$2L6.7688@bignews6.bellsouth.net>
<1043trkcgens25b@corp.supernews.com> <s5244058tij54ofc2t6q01hc0b513qm3f2@4ax.com>
<10482f8g5bt9165@corp.supernews.com> <bOudnQCD1otrV9ndRVn-jA@comcast.com>
NNTP-Posting-Host: 163.28.145.3
```

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1079339740 2208 127.0.0.1 (15 Mar 2004 08:35:40 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Mon, 15 Mar 2004 08:35:40 +0000 (UTC)
Xref: archiver1.google.com rec.radio.amateur.antenna:9127

ogihosr

From 5008484992182141425
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-Thread: 107ada,9297d37560175680,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2004-03-15 14:09:11 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!zeus.visi.com!phobos.visi.com!news-out.visi.com!
green.octanews.net!news-out.octanews.net!news.glorb.com!
border1.nntp.ash.giganews.com!border2.nntp.ash.giganews.com!nntp.giganews.com!
cyclone1.gnilink.net!peer01.cox.net!cox.net!p01!fed1read03.POSTED!not-for-mail
From: "Eric Oyen - N7ZZT" <n7zzt@127.0.0.1>
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
User-Agent: Pan/0.13.4 (She had eyes like strange sins.)
Message-ID: <pan.2004.03.15.22.09.09.947229@127.0.0.1>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.radio.amateur.antenna,rec.radio.amateur.misc
References: <X3tPb.32995$2L6.7688@bignews6.bellsouth.net>
<1043trkcgens25b@corp.supernews.com>
Followup-To: rec.radio.amateur.misc
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Lines: 50
Date: Mon, 15 Mar 2004 15:09:10 -0700
NNTP-Posting-Host: 68.3.168.200
X-Complaints-To: abuse@cox.net
X-Trace: fed1read03 1079388549 68.3.168.200 (Mon, 15 Mar 2004 17:09:09 EST)
NNTP-Posting-Date: Mon, 15 Mar 2004 17:09:09 EST
Organization: Cox Communications
Xref: archiver1.google.com rec.radio.amateur.antenna:9159
rec.radio.amateur.misc:4743

On Sun, 29 Feb 2004 09:30:30 -0500, Mitch Dickson wrote:

>

>
>> >From ARRL Headquarters
>> Newington CT January 20, 2004
>> To all radio amateurs
>>
>> SB QST ARL ARLB003
>> ARLB003 ARRL to Propose New Entry-Level License, Code-Free HF Access
>>
>> The ARRL will ask the FCC to create a new entry-level Amateur Radio
>> license that would include HF phone privileges without requiring a Morse
>> code test.
>
> Isn't that "Special"!!!!!! I can hardly wait to be in the middle of a
> good QRP QSO and hear some CBer who thinks he is a ham blair in with "Is
> the channel in use?"
well, it is common courtesy to at least ask "is the frequency in use" and
then wait a few minutes for a reply. I do so on some of the 2 meter
repeaters here in Phoenix. I give me call, ask if the frequency is in use
and wait 2 minutes. no reply, I go ahead and make my call.

also you, of all people, should realize that not everyone is going to have
good equipment or a hot location when it comes to propogation. So, give
the guy a break, even is he is 'Brand new" to the hobby. attitudes such as
your tend to do mare harm than good.

>
> It is nice to know that the good friends at ARRL sold us out! Wonder what
> 30 pieces of silver will buy these days? Apparently if you are a
> corporation, it will buy you the priviledge to destroy ham radio! Heck,
> why require a license at all? That seems like such a bother. Why not
> just make up a call and get you a radio and jump in "Good Buddy"? I'll
> bet that for 50 bucks, the "board" at ARRL will back you!
well, you don't like it? petition the FCC with a proposal then wait the
required number of days/weeks to get it to an RFC (notice of proposed
rulemaking). Try to operate outside of that system, and you will be
ignored (one lone voice in the crowd kid of thing). Use the system, and
you will be surprised at what you CAN get done.

Just my thoughts (having been there and done that...).

DE N7ZZT
Phoenix, Az

--
the difference between intelligence and stupidity is that intelligence
has its limits.

From -7433830224505987186
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab936ac10a2417e9,start
X-Google-Attributes: gid10c9e3,public

```
X-Google-Thread: f9356,ab936ac10a2417e9,start
X-Google-Attributes: gidf9356,public
X-Google-Thread: 108122,ab936ac10a2417e9,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10aaeb,ab936ac10a2417e9,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 16f90b,ab936ac10a2417e9,start
X-Google-Attributes: gid16f90b,public
X-Google-Thread: 10c349,ab936ac10a2417e9,start
X-Google-Attributes: gid10c349,public
X-Google-Thread: fb049,ab936ac10a2417e9,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa656,ab936ac10a2417e9,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2004-03-19 20:42:15 PST
X-Abuse-Report: abuse@teranews.com
Message-ID: <65768d4fb60d9fe61338d27a4aff8e75@news.teranews.com>
Path: archiver1.google.com!news1.google.com!news.glorb.com!green.octanews.net!
news-out.octanews.net!news-out.visi.com!petbe.visi.com!news.octanews.net!newsfeed-
east.nntpserver.com!nntpserver.com!news.teranews.com!not-for-mail
Date: Sat, 20 Mar 2004 04:35:43 GMT
Lines: 7
From: "krem" <news@rkremser.endjunk.com>
Newsgroups: alabama.birmingham.radio.amateur,alt.ham-radio.vhf-
uhf,aus.radio,aus.radio.amatueur.misc,dc.ham-radio,rec.radio.amateur,rec.ham-
radio,rec.radio.amateur.equipment,rec.radio.amateur.homebrew
Subject: soldering coax shield
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Xref: archiver1.google.com alabama.birmingham.radio.amateur:915 alt.ham-radio.vhf-
uhf:23842 dc.ham-radio:44 rec.radio.amateur:6587 rec.radio.amateur.equipment:50011
rec.radio.amateur.homebrew:30362
```

Hello, in need of some urgent help. I am having a horibble time soldering the shield of a coax cable to a copper pad in a circuit. I just can't get the solder to flow on the shield. What can i do? I don't know if it matters but the shield has the appeareance of aluminium. I"m hoping this isn't what it is but really dont' know. Please help. Thanks in advance

```
From -5349602335410607579
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f9356,ab936ac10a2417e9
X-Google-Attributes: gidf9356,public
X-Google-Thread: 10c9e3,ab936ac10a2417e9
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,ab936ac10a2417e9
X-Google-Attributes: gid108122,public
X-Google-Thread: 10aaeb,ab936ac10a2417e9
```

```
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: fa656,ab936ac10a2417e9
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10c349,ab936ac10a2417e9
X-Google-Attributes: gid10c349,public
X-Google-Thread: 16f90b,ab936ac10a2417e9
X-Google-Attributes: gid16f90b,public
X-Google-Thread: fb049,ab936ac10a2417e9
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2004-03-19 21:19:23 PST
Path: archiver1.google.com!news1.google.com!news.glorb.com!news.moat.net!
border1.nntp.sjc.giganews.com!nntp.giganews.com!local1.nntp.sjc.giganews.com!
nntp.adelphia.com!news.adelphia.com.POSTED!not-for-mail
NNTP-Posting-Date: Fri, 19 Mar 2004 23:19:22 -0600
Message-ID: <405BD521.D08ACE35@rica.net>
Date: Sat, 20 Mar 2004 00:22:41 -0500
From: John Popelish <jpopelish@rica.net>
Organization: This space not available for advertising.
X-Mailer: Mozilla 4.7 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alabama.birmingham.radio.amateur,alt.ham-radio.vhf-
uhf,aus.radio,aus.radio.amatueur.misc,dc.ham-radio,rec.radio.amateur,rec.ham-
radio,rec.radio.amateur.equipment,rec.radio.amateur.homebrew
Subject: Re: soldering coax shield
References: <65768d4fb60d9fe61338d27a4aff8e75@news.teranews.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 14
NNTP-Posting-Host: 68.69.97.103
X-Trace: sv3-gOmO3vlQJN5WqRMeIgIUlZgAHo6Zz2NovWOmCCF+0XMr1GIsG/
ToAi3Zp+u7eKbUGt0NtzODqN689gC!YQvsg+1DVUp70vOcaEdiVNIlbQgU4kouWX0/p+V+l/
OyAG24vxGmcKNbBPnMfa36e1/ot/TX6EOp!GDZt
X-Complaints-To: abuse@adelphia.net
X-DMCA-Complaints-To: copyright@adelphia.net
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint
properly
X-Postfilter: 1.1
Xref: archiver1.google.com alabama.birmingham.radio.amateur:916 alt.ham-radio.vhf-
uhf:23843 dc.ham-radio:45 rec.radio.amateur:6588 rec.radio.amateur.equipment:50012
rec.radio.amateur.homebrew:30363
```

krem wrote:

>
> Hello, in need of some urgent help. I am having a horibble time soldering
> the shield of a coax cable to a copper pad in a circuit. I just can't get
> the solder to flow on the shield. What can i do? I don't know if it
> matters but the shield has the appeareance of aluminium. I"m hoping this
> isn't what it is but really dont' know. Please help. Thanks in advance

Aluminum would certainly be hard to wet with tin lead solder. If you
cut the strands, is the inside of each copper colored, or are they

silvery all the way through?

--
John Popelish

```
From -8488615951507053823
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab936ac10a2417e9
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9356,ab936ac10a2417e9
X-Google-Attributes: gidf9356,public
X-Google-Thread: 10aaeb,ab936ac10a2417e9
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 108122,ab936ac10a2417e9
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c349,ab936ac10a2417e9
X-Google-Attributes: gid10c349,public
X-Google-Thread: fa656,ab936ac10a2417e9
X-Google-Attributes: gidfa656,public
X-Google-Thread: 16f90b,ab936ac10a2417e9
X-Google-Attributes: gid16f90b,public
X-Google-Thread: fb049,ab936ac10a2417e9
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2004-03-19 22:04:53 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-06!sn-post-02!sn-
post-01!supernews.com!corp.supernews.com!not-for-mail
From: "Richard H. Brown Jr." <cbrown@mfigoneaway.net>
Newsgroups: alabama.birmingham.radio.amateur,alt.ham-radio.vhf-
uhf,aus.radio,aus.radio.amatueur.misc,dc.ham-radio,rec.radio.amateur,rec.ham-
radio,rec.radio.amateur.equipment,rec.radio.amateur.homebrew
Subject: Re: soldering coax shield
Date: Sat, 20 Mar 2004 01:04:35 -0500
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <405BDEF3.8E93FB54@mfigoneaway.net>
X-Mailer: Mozilla 4.79 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
References: <65768d4fb60d9fe61338d27a4aff8e75@news.teranews.com>
<405BD521.D08ACE35@rica.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Complaints-To: abuse@supernews.com
Lines: 14
Xref: archiver1.google.com alabama.birmingham.radio.amateur:917 alt.ham-radio.vhf-
uhf:23845 dc.ham-radio:46 rec.radio.amateur:6589 rec.radio.amateur.equipment:50014
rec.radio.amateur.homebrew:30364
```

Greetings:

Re the Aluminum coax shield soldering.

If all else fails trim out enough and an inch or so back from the end poke a hole in the braid and fish the inner insulation out and then trim out the inner conductor for it's attachment point to the pcb. and double up the shielding so it can be crimped inside a terminal lug and the terminal lug either screwed to the ground connection or soldered to the ground on the pcb.

RHB

```
From -7141900381581049O1
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f9356,ab936ac10a2417e9
X-Google-Attributes: gidf9356,public
X-Google-Thread: 10c9e3,ab936ac10a2417e9
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,ab936ac10a2417e9
X-Google-Attributes: gid108122,public
X-Google-Thread: 10aaeb,ab936ac10a2417e9
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: fa656,ab936ac10a2417e9
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10c349,ab936ac10a2417e9
X-Google-Attributes: gid10c349,public
X-Google-Thread: fb049,ab936ac10a2417e9
X-Google-Attributes: gidfb049,public
X-Google-Thread: 16f90b,ab936ac10a2417e9
X-Google-Attributes: gid16f90b,public
X-Google-ArrivalTime: 2004-03-20 06:17:07 PST
Path: archiver1.google.com!news1.google.com!news.glorb.com!newshosting.com!
nx01.iad01.newshosting.com!167.206.3.103.MISMATCH!news3.optonline.net!
news4.srv.hcvlny.cv.net.POSTED!not-for-mail
From: "DougSlug" <dougslug@hotmail.com>
Newsgroups: alabama.birmingham.radio.amateur,alt.ham-radio.vhf-
uhf,aus.radio,aus.radio.amatueur.misc,dc.ham-radio,rec.radio.amateur,rec.ham-
radio,rec.radio.amateur.equipment,rec.radio.amateur.homebrew
References: <65768d4fb60d9fe61338d27a4aff8e75@news.teranews.com>
Subject: Re: soldering coax shield
Lines: 27
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <CnY6c.47895$E8.10487594@news4.srv.hcvlny.cv.net>
Date: Sat, 20 Mar 2004 14:17:06 GMT
NNTP-Posting-Host: 67.84.144.100
X-Complaints-To: abuse@cv.net
X-Trace: news4.srv.hcvlny.cv.net 1079792226 67.84.144.100 (Sat, 20 Mar 2004
09:17:06 EST)
NNTP-Posting-Date: Sat, 20 Mar 2004 09:17:06 EST
Organization: Optimum Online
Xref: archiver1.google.com alabama.birmingham.radio.amateur:918 alt.ham-radio.vhf-
```

uhf:23852 dc.ham-radio:47 rec.radio.amateur:6590 rec.radio.amateur.equipment:50023
rec.radio.amateur.homebrew:30374

One possibility is that your soldering iron is a little too low in wattage to supply enough heat...this would especially be a problem if the coax shield is heavy because heat dissipates more quickly than the iron can supply it preventing it from getting hot enough to flow the solder. The solution is to get a higher wattage rating iron.

I have also found that sometimes the shield on older or lower quality coax oxidizes and prevent good solder flow. You might try putting some solder flux on the shield before soldering it. That usually solves the problem.

If the shield really is aluminum, you would have to go with a crimp style terminal that could be soldered to the board.

 - Doug

"krem" <news@rkremser.endjunk.com> wrote in message
news:65768d4fb60d9fe61338d27a4aff8e75@news.teranews.com...

> Hello, in need of some urgent help. I am having a horibble time soldering
> the shield of a coax cable to a copper pad in a circuit. I just can't get
> the solder to flow on the shield. What can i do? I don't know if it
> matters but the shield has the appeareance of aluminium. I"m hoping this
> isn't what it is but really dont' know. Please help. Thanks in advance
>
>

From 1157131045046980246
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,d2d6310886fe7f72
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,d2d6310886fe7f72
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 112862,d2d6310886fe7f72
X-Google-Attributes: gid112862,public
X-Google-Thread: 1109af,d2d6310886fe7f72
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1156cd,d2d6310886fe7f72
X-Google-Attributes: gid1156cd,public
X-Google-Thread: f76e2,d2d6310886fe7f72
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2004-03-21 18:55:33 PST
Path: archiver1.google.com!news1.google.com!news.glorb.com!
border1.nntp.ash.giganews.com!nntp.giganews.com!opentransit.net!
newsfeed.yul.equant.net!c03.atl99!news.usenetserver.com!
fe03.usenetserver.com.POSTED!53ab2750!not-for-mail
From: "Daniel W4ADT" <danielw4adt@alltel.net>
Newsgroups: alt.ham-radio.marketplace,atl.forsale,ga.forsale,rec.ham-

```
radio,rec.ham-radio.swap,rec.radio.swap
References: <chEQb.6292$dF4.5794@fe02.usenetserver.com>
Subject: Re: GARMIN GPS III +
Lines: 21
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <DAs7c.2511$eM.2191@fe03.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Sun, 21 Mar 2004 21:55:31 EST
Date: Sun, 21 Mar 2004 21:53:01 -0500
Xref: archiver1.google.com alt.ham-radio.marketplace:16223 ga.forsale:1233
rec.ham-radio.swap:3881 rec.radio.swap:8940

$180.00 Shipped
678-758-1298


"Daniel W4ADT" <danielw4adt@alltel.net> wrote in message
news:chEQb.6292$dF4.5794@fe02.usenetserver.com...
> Garmin GPS III + - Excellent condition, Owners Manual, PC cable to
download
> map, DC cord to avoid using batterys (will plug into your car lighter)
also
> will include COPY of Mapsource Roads and Recreation Version 3.0 - Also
will
> include nice carrying case.$289.00 shipped CONUS
> Must call for this deal!!
> 678-758-1298
> 73 Daniel W4ADT
>
>
>





From 7248505208701594785
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,63608b092df43a0,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,63608b092df43a0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f8110,63608b092df43a0,start
X-Google-Attributes: gidf8110,public
X-Google-Thread: fa656,63608b092df43a0,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f55c2,63608b092df43a0,start
X-Google-Attributes: gidf55c2,public
```

X-Google-Thread: 114671,63608b092df43a0,start
X-Google-Attributes: gid114671,public
X-Google-Thread: fc8b1,63608b092df43a0,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 114a57,63608b092df43a0,start
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2004-04-04 03:20:13 PST
Path: archiver1.google.com!news1.google.com!news.glorb.com!newshub.sdsu.edu!news-hog.berkeley.edu!ucberkeley!enews.sgi.com!news.xtra.co.nz!newsfeed01.tsnz.net!ken-transit.news.telstra.net!news.telstra.net!news-server.bigpond.net.au!53ab2750!not-for-mail
From: "TS" <tstone12002@yahoo.com.au>
Newsgroups: alt.ham-radio.hf,alt.ham-radio.marketplace,alt.ham-radio.mods,aus.radio.amateur.misc,japan.ham-radio,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.homebrew
Subject: FT-ONE Extender boards
Lines: 25
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <xiRbc.139088$Wa.130192@news-server.bigpond.net.au>
Date: Sun, 04 Apr 2004 10:19:09 GMT
NNTP-Posting-Host: 203.51.75.219
X-Complaints-To: abuse@bigpond.net.au
X-Trace: news-server.bigpond.net.au 1081073949 203.51.75.219 (Sun, 04 Apr 2004 20:19:09 EST)
NNTP-Posting-Date: Sun, 04 Apr 2004 20:19:09 EST
Organization: BigPond Internet Services
Xref: archiver1.google.com alt.ham-radio.hf:4297 alt.ham-radio.marketplace:16289 alt.ham-radio.mods:3137 aus.radio.amateur.misc:14806 japan.ham-radio:426 rec.radio.amateur:6669 rec.radio.amateur.boatanchors:37270 rec.radio.amateur.homebrew:30818

G'day G'day

I am the owner of a Yaesu FT-ONE HF Transceiver, and I wish to perform a complete alignment on it. To do this an extender kit is required. I am wondering if anyone has a set of extender boards they would like to sell. The board in question are:

a.. 14P Single Face extender board P/N D3100002
b.. 18P Double Faced extender board P/N D3100010
c.. 22P Double Faced extender board P/N D3100009
d.. 18Px2 Double Face extender board P/N D3100011
e.. Extender cable P/N T9204357

Alternatively does anyone know of a website, or any articles on homebrewing a set.

Many Thanks in advance

Tony VK2TS

Ph MB: 0404 839465

From 3313795730202362623
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,dcc3ef2583ba150c,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,dcc3ef2583ba150c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,dcc3ef2583ba150c,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,dcc3ef2583ba150c,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10ed5f,dcc3ef2583ba150c,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2004-04-07 18:37:25 PST
Path: archiver1.google.com!news1.google.com!news.glorb.com!border1.nntp.ash.giganews.com!nntp.giganews.com!newshosting.com!nx01.iad01.newshosting.com!63.223.6.99.MISMATCH!c03.atl99!cyclone2.usenetserver.com!newsfeeds-atl1!newsfeeds-atl2!news.usenetserver.com!fe03.usenetserver.com.POSTED!53ab2750!not-for-mail
From: "Daniel W4ADT" <danielw4adt@alltel.net>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap
Subject: FS: Kenwood TS-850SAT Station For Sale
Lines: 14
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <l12dc.1642$HU5.590@fe03.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Wed, 07 Apr 2004 21:37:21 EDT
Date: Wed, 7 Apr 2004 21:34:06 -0400
Xref: archiver1.google.com alt.ham-radio.marketplace:16320 rec.ham-radio.swap:3917 rec.radio.swap:9595

Thanks for reading my posting. I have a MINT condition Kenwood TS-850SAT, which includes the 1.8khz SSB and the 500hz CW filter, PS-50 Power Supply, and the SP-430 Speaker. All in mint condition, and a non-smoking environment.
Only possible trade I might entertain as partial payment is a FT-920 loaded!

$1,200.00 + shipping for Georgia 30548

You must call me for this deal 678-758-1298 Anytime, either I will answer or you will get voicemail

73 Daniel W4ADT

From 1041316710935256876
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,e0c2e0c9e2c1c2f,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,e0c2e0c9e2c1c2f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,e0c2e0c9e2c1c2f,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fb049,e0c2e0c9e2c1c2f,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1109af,e0c2e0c9e2c1c2f,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,e0c2e0c9e2c1c2f,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,e0c2e0c9e2c1c2f,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,e0c2e0c9e2c1c2f,start
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2004-04-07 19:33:39 PST
Path: archiver1.google.com!news1.google.com!news.glorb.com!cyclone1.gnilink.net!gnilink.net!cyclone.rdc-nyc.rr.com!news3.optonline.net!news4.srv.hcvlny.cv.net.POSTED!not-for-mail
Message-ID: <4074B9FA.992454F5@optonline.net>
From: Steve <LafayetteRadio@optonline.net>
Organization: LRE
X-Mailer: Mozilla 4.79 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.radio.swap,rec.radio.amateur.swap,alt.ham-radio.vhf-uhf,alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur,alt.ham-radio.mods
Subject: NEED help with KENWOOD TH-21/31/41AT
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 17
Date: Thu, 08 Apr 2004 02:33:12 GMT
NNTP-Posting-Host: 24.46.196.187
X-Complaints-To: abuse@cv.net
X-Trace: news4.srv.hcvlny.cv.net 1081391592 24.46.196.187 (Wed, 07 Apr 2004 22:33:12 EDT)
NNTP-Posting-Date: Wed, 07 Apr 2004 22:33:12 EDT
Xref: archiver1.google.com rec.radio.swap:9597 rec.radio.amateur.swap:5595 alt.ham-radio.vhf-uhf:24510 alt.ham-radio.marketplace:16321 rec.ham-radio.swap:3918 rec.radio.amateur.equipment:50442 rec.radio.amateur:6680 alt.ham-radio.mods:3147

Hi all, I have a Kenwood TH-31AT. This is a 220MHz small handi talkie
dating back to around 1985.
The PL in this radio does not have dip switches on the front panel like
the newer version "TH-31BT"
The PL is inside the radio and the PL is selected by soldering /
unsoldering the pads on the chip.
Does anyone out there have the information that tells which pads to
solder / unsolder for the different PL frequencies??
I have about given up looking for it on the internet.
The PL board inside the TH-21AT (2 meters) and the TH -41AT (440) is the
same as the TH-31AT.
If you have this info and it's not to much trouble can you send it to:
lafayetteRadio@optonline.net
THANKS for your help!!!
73

From 5153262991629366986
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b15dfcf20515798c,start
X-Google-Thread: fa656,2c7710eb7d22054a,start
X-Google-Thread: fa029,fc43f6092a78edab,start
X-Google-Thread: 1109af,fbe0b00b8704c9e8,start
X-Google-Thread: f916a,3daf1b32e7a3f487,start
X-Google-Thread: 115eb8,94565dccc4c3ce0b,start
X-Google-Attributes:
gid10c9e3,gidfa656,gidfa029,gid1109af,gidf916a,gid115eb8,public
Path: controlnews3.google.com!news1.google.com!news.glorb.com!news3.optonline.net!
pd7cy1no!shaw.ca!pd7tw1no.POSTED!53ab2750!not-for-mail
X-Trace-PostClient-IP: 24.68.154.155
From: "Dave & Daphne Schertzer" <dschertzer@shaw.ca>
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.scanner,rec.radio.swap,seattle.forsale,tor.forsa
le
Subject: N-E-W- AN/PRC25 AN/PRC77 MANPACK RADIO BATTS!!
Lines: 24
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1409
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1409
Message-ID: <xJUlc.349668$Pk3.255396@pd7tw1no>
Date: Tue, 04 May 2004 22:23:25 GMT
NNTP-Posting-Host: 24.64.223.206
X-Complaints-To: abuse@shaw.ca
X-Trace: pd7tw1no 1083709405 24.64.223.206 (Tue, 04 May 2004 16:23:25 MDT)
NNTP-Posting-Date: Tue, 04 May 2004 16:23:25 MDT
Organization: Shaw Residential Internet
Xref: controlnews3.google.com rec.radio.amateur:35 rec.radio.scanner:162
rec.radio.swap:355 seattle.forsale:67 tor.forsale:856

** N-E-W-** SEALED IN BAG!!   AN/PRC25 AN/PRC77 ANPRC1107 MANPACK RADIO BATTERIES.

NSN- 6135-00-926-8322, BATTERY, DRY MANGANESE DIOXIDE. PN/ BA-3386/25, BA3386/U (PRC25)

UNISOURCE TECHNOLOGY INC. MADE IN USA. 15V @ 15Ah. WEIGHT 2KG EA. MORE INFO AT http://www.milpower.co.uk/pdfs/milbat/milba3386u.pdf . OVER 100 AVAIL.

$10ea

$8 (2 or more)

$6 (5 or more)

$5 (10 or more) + shipping

```
From 5107426640608509б7
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10aaeb,5b785d335d8701be,start
X-Google-Thread: 108228,5b785d335d8701be,start
X-Google-Thread: 112862,5b785d335d8701be,start
X-Google-Thread: 10c9e3,5b785d335d8701be,start
X-Google-Thread: f76e2,5b785d335d8701be,start
X-Google-Thread: 1109af,5b785d335d8701be,start
X-Google-Attributes:
gid10aaeb,gid108228,gid112862,gid10c9e3,gidf76e2,gid1109af,public
Path: controlnews3.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!zeus.visi.com!news-out.visi.com!petbe.visi.com!news.octanews.net!
c01.usenetserver.com!news.usenetserver.com!fe39.usenetserver.com.POSTED!53ab2750!
not-for-mail
From: "Daniel W4ADT" <danielw4adt@alltel.net>
Newsgroups: alabama.birmingham.radio.amateur,alt.ham-
radio.marketplace,ga.forsale,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap
Subject: Last Chance! FS: TS-850SAT
Lines: 14
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <EFdoc.3452$zq2.3143@fe39.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
```

NNTP-Posting-Date: Tue, 11 May 2004 19:51:00 EDT
Date: Mon, 10 May 2004 22:11:03 -0400
Xref: controlnews3.google.com alabama.birmingham.radio.amateur:6 alt.ham-radio.marketplace:69 ga.forsale:71 rec.ham-radio.swap:78 rec.radio.swap:614

FS: Kenwood TS-850SAT

I have a MINT condition Kenwood TS-850SAT,Serial Number 21100316, which includes the 1.8khz SSB and the 500hz CW filter, hand mic and manual. All in mint condition, and a non-smoking environment. Only possible trade I might entertain as partial payment is a FT-920 loaded!
$825.00 SHIPPED from Georgia 30548 You must call me for this deal
678-758-1298 Anytime, either I will answer or you will get voicemail 73
Daniel W4ADT

MORE PICTURES AVAILABLE AT MY WEBSITE as well as Other accessories available at additional cost. www.dbgeneralstore.com

From 2948140645965606700
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5db39a7d2f7d68e,start
X-Google-Thread: fa656,5db39a7d2f7d68e,start
X-Google-Thread: fa029,5db39a7d2f7d68e,start
X-Google-Thread: 1109af,95bb3bc7b67556d5
X-Google-Thread: f916a,5db39a7d2f7d68e,start
X-Google-Thread: 115eb8,5db39a7d2f7d68e,start
X-Google-Attributes:
gid10c9e3,gidfa656,gidfa029,gid1109af,gidf916a,gid115eb8,public
Path: controlnews3.google.com!news1.google.com!sn-xit-02!sn-xit-01!sn-xit-05!sn-xit-09!sn-xit-08!supernews.com!64.59.134.4.MISMATCH!pd7cy1no!shaw.ca!pd7tw3no.POSTED!53ab2750!not-for-mail
X-Trace-PostClient-IP: 24.68.154.155
From: "Dave & Daphne Schertzer" <dschertzer@shaw.ca>
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.scanner,rec.radio.swap,seattle.forsale,tor.forsale
Subject: FS- N-E-W- AN/PRC25 AN/PRC77 RADIO BATTS!!
Lines: 17
X-Newsreader: Microsoft Outlook Express 6.00.2800.1409
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1409
Message-ID: <tRPoc.464632$oR5.266676@pd7tw3no>
Date: Thu, 13 May 2004 19:17:45 GMT
NNTP-Posting-Host: 24.64.223.206
X-Complaints-To: abuse@shaw.ca
X-Trace: pd7tw3no 1084475865 24.64.223.206 (Thu, 13 May 2004 13:17:45 MDT)
NNTP-Posting-Date: Thu, 13 May 2004 13:17:45 MDT
Organization: Shaw Residential Internet
Xref: controlnews3.google.com rec.radio.amateur:76 rec.radio.scanner:383 rec.radio.swap:679 seattle.forsale:132 tor.forsale:1346

** N-E-W-** SEALED IN BAG!!   AN/PRC25 AN/PRC77 ANPRC1107 MANPACK RADIO
BATTERIES.
NSN- 6135-00-926-8322, BATTERY, DRY MANGANESE DIOXIDE. PN/ BA-3386/25,
BA3386/U (PRC25)
UNISOURCE TECHNOLOGY INC. MADE IN USA. 15V @ 15Ah. WEIGHT 2KG EA. MORE
INFO
AT http://www.milpower.co.uk/pdfs/milbat/milba3386u.pdf . OVER 100 AVAIL.

$10USD ea
$8 (2 or more)
$6 (5 or more)
$5 (10 or more) + shipping

From -1528622634540692O7
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10ed5f,2b5d417d237dba5d,start
X-Google-Thread: f4306,33863aa63ffa3a32
X-Google-Thread: 108778,2b5d417d237dba5d,start
X-Google-Thread: 10c9e3,2b5d417d237dba5d,start
X-Google-Thread: fddbf,2b5d417d237dba5d,start
X-Google-Thread: 108122,13d3675736b73ad4
X-Google-Thread: 1031c8,a81e708fd59b994f
X-Google-Attributes:
gid10ed5f,gidf4306,gid108778,gid10c9e3,gidfddbf,gid108122,gid1031c8,public
Path: g2news1.google.com!news1.google.com!news.glorb.com!
border1.nntp.dca.giganews.com!nntp.giganews.com!opentransit.net!news-out.cwix.com!
newsfeed.cwix.com!cyclone01.bloor.is.net.cable.rogers.com!
news04.bloor.is.net.cable.rogers.com.POSTED!12dc6cf53ab2750!not-for-mail
From: "kilmister" <kilmister@hotmail.com>
Newsgroups: alt.ham-radio,alt.ham-radio.packet,alt.radio.amateur,rec.ham-radio,rec.ham-radio.packet,rec.radio.amateur.equipment,rec.radio.amateur.packet,rec.radio.amateur.swap
References: <vlKyc.1391$y791.201@news04.bloor.is.net.cable.rogers.com>
Subject: Re: Looking for manual for AEA PK-88 Packet Controller ...
Lines: 19
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1409
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1409
Message-ID: <1cszc.67$i%E1.5@news04.bloor.is.net.cable.rogers.com>
Date: Tue, 15 Jun 2004 01:23:09 GMT
NNTP-Posting-Host: 24.157.86.121
X-Complaints-To: abuse@rogers.com
X-Trace: news04.bloor.is.net.cable.rogers.com 1087262589 24.157.86.121 (Mon, 14
Jun 2004 21:23:09 EDT)

```
NNTP-Posting-Date: Mon, 14 Jun 2004 21:23:09 EDT
Xref: g2news1.google.com alt.ham-radio:30 alt.ham-radio.packet:104
alt.radio.amateur:21 rec.ham-radio:16 rec.ham-radio.packet:4
rec.radio.amateur.equipment:857 rec.radio.amateur.swap:136

the manual is 189 pages,  is there anything in particular you need?


"John Lorenc" <jalorenc@rogers.com> wrote in message
news:vlKyc.1391$y791.201@news04.bloor.is.net.cable.rogers.com...
> Hello,
>
> I recently purchased a used AEA PK-88 Packet Controller at a hamfest
> without the manual.  I have looked for it online without much success.
> I was wondering if anyone could tell me where I could obtain it online.
>   Alternatively, are there any hams with the manual willing to make a
> copy (or even just an electronic scan) for me for a small fee?
>
> Responses via e-mail would be appreciated.  :)
>
> Thank you,
> John L.




From 5163052646249371672
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12171f96ae6284dd,start
X-Google-Attributes: gid10c9e3,public
Path: g2news1.google.com!news2.google.com!proxad.net!fr.ip.ndsoftware.net!
dedekind.zen.co.uk!zen.net.uk!demorgan.zen.co.uk!194.72.9.35.MISMATCH!news-peer1!
btnet-feed5!btnet!news.btopenworld.com!not-for-mail
From: g3zhi@hotmail.com (g3zhi)
Newsgroups: rec.ham-radio
Subject: new kenwood ts480 voip internet ready
Date: Tue, 15 Jun 2004 06:57:31 +0000 (UTC)
Organization: BT Openworld
Lines: 33
Message-ID: <40d39c00.1500999@news.btinternet.com>
NNTP-Posting-Host: host213-122-9-148.in-addr.btopenworld.com
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: titan.btinternet.com 1087282651 13576 213.122.9.148 (15 Jun 2004 06:57:31
GMT)
X-Complaints-To: news-complaints@lists.btinternet.com
NNTP-Posting-Date: Tue, 15 Jun 2004 06:57:31 +0000 (UTC)
X-Newsreader: Forte Agent 1.5/32.452
Xref: g2news1.google.com rec.ham-radio:17

new kenwood ts480 voip internet ready
```

anyone using one of these radios?

if so do you have it connected to the internet?

http://www.kenwood.com/i/products/info/amateur/ts_480/

http://www.kenwood.com/i/products/info/amateur/ts_480/network_command.
html

http://www.kenwood.com/i/products/info/amateur/ts_480/image/A480101.ex
e
73 Ian G3ZHI

http://www.qsl.net/g3zhi - many ham radio links
http://www.ukirlp.co.uk

G4NJI IRLP 5200 Echolink 135909
Rotherham simplex 145.2875mhz

GB3XN IRLP 5708 Echolink 153126
Langold 430.925 Mhz

Ian Abel G3ZHI
52 Hollytree Ave
Maltby
Rotherham
Yorkshire
S66 8DY

Tel: 01709 799911
Mobile 0783 338 0578

From -3471022896875841191
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c2d9e066825fe41,start
X-Google-Attributes: gid10c9e3,public
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: csu11148@mail.claytonstate.net (D Sechrist)
Newsgroups: rec.ham-radio
Subject: interference
Date: 16 Jun 2004 11:49:49 -0700
Organization: http://groups.google.com
Lines: 2
Message-ID: <72506035.0406161049.32b92866@posting.google.com>
NNTP-Posting-Host: 168.28.51.190
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1087411792 22369 127.0.0.1 (16 Jun 2004 18:49:52 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Wed, 16 Jun 2004 18:49:52 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:18

When my husband is on the radio and I'm on the phone, his conversation
keeps coming through on the phone. How do I keep that from happening?

```
From 8400983459985339353
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c2d9e066825fe41
X-Google-Attributes: gid10c9e3,public
Path: g2news1.google.com!news1.google.com!news.glorb.com!
border1.nntp.dca.giganews.com!nntp.giganews.com!local1.nntp.dca.giganews.com!
nntp.comcast.com!news.comcast.com.POSTED!not-for-mail
NNTP-Posting-Date: Wed, 16 Jun 2004 14:58:36 -0500
From: "Dee D. Flint" <deeflint01@comcast.net>
Newsgroups: rec.ham-radio
References: <72506035.0406161049.32b92866@posting.google.com>
Subject: Re: interference
Date: Wed, 16 Jun 2004 15:41:20 -0400
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1409
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1409
Message-ID: <oaednc_FlLDxO03dRVn-hw@comcast.com>
Lines: 11
NNTP-Posting-Host: 68.61.219.45
X-Trace: sv3-EYJ+NSkuu90MxKt168Ehh8u/
+zNiIeTALk6s1yrJuq4o8qUaRX+fylXKUrwljfzURLwkxjQP4ENRHxJ!3+/
kcXYNALPMfBkpIN4baLr09zrTcofzBEYuF1Cu3PXQhTzsid0W2lAvi6Rk
X-Complaints-To: abuse@comcast.net
X-DMCA-Complaints-To: dmca@comcast.net
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint
properly
X-Postfilter: 1.1
Xref: g2news1.google.com rec.ham-radio:19
```

"D Sechrist" <csu11148@mail.claytonstate.net> wrote in message
news:72506035.0406161049.32b92866@posting.google.com...

> When my husband is on the radio and I'm on the phone, his conversation
> keeps coming through on the phone. How do I keep that from happening?

Best to buy a different phone. But first search the web to find out what
phones have good RFI immunity. Basically, the manufacturer of the phone
didn't bother to design it to prevent such intereference (they are supposed
to but often don't).

From 4360230811356760746

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c2d9e066825fe41
X-Google-Attributes: gid10c9e3,public
Path: g2news1.google.com!news2.google.com!news.maxwell.syr.edu!news-
rtr.nyroc.rr.com!news-out.nyroc.rr.com!twister.nyroc.rr.com.POSTED!53ab2750!not-
for-mail
From: KU2S <ku2s@arrl.net>
Newsgroups: rec.ham-radio
Subject: Re: interference
Message-ID: <lj32d01i13qab78640okjiesbebn82jcdo@4ax.com>
References: <72506035.0406161049.32b92866@posting.google.com>
X-Newsreader: Forte Agent 2.0/32.652
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 13
Date: Thu, 17 Jun 2004 03:16:49 GMT
NNTP-Posting-Host: 66.24.39.211
X-Complaints-To: abuse@rr.com
X-Trace: twister.nyroc.rr.com 1087442209 66.24.39.211 (Wed, 16 Jun 2004 23:16:49
EDT)
NNTP-Posting-Date: Wed, 16 Jun 2004 23:16:49 EDT
Organization: Road Runner
Xref: g2news1.google.com rec.ham-radio:20

On 16 Jun 2004 11:49:49 -0700, csu11148@mail.claytonstate.net (D
Sechrist) wrote:

>When my husband is on the radio and I'm on the phone, his conversation
>keeps coming through on the phone. How do I keep that from happening?

Stay off the phone


Raymond Sirois
SysOp: The Lost Chord BBS
607-733-5745
telnet://thelostchord.dns2go.com:6000


From -1528021015650560136
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8ae80292648a9c4b,start
X-Google-Attributes: gid10c9e3,public
Path: g2news1.google.com!news1.google.com!news.glorb.com!bigfeed.bellsouth.net!
bignumb.bellsouth.net!news.bellsouth.net!bignews6.bellsouth.net.POSTED!e8129864!
not-for-mail
From: "Elvis" <elvix@nashville.net>
Newsgroups: rec.ham-radio
Subject: ICOM PCR-1000 Radio Receiver
Lines: 4
X-Priority: 3
X-MSMail-Priority: Normal
```

```
X-Newsreader: Microsoft Outlook Express 6.00.2800.1409
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1409
Message-ID: <qoEAc.162$xg1.146@bignews6.bellsouth.net>
X-Complaints-To: abuse@bellsouth.net
X-Abuse-Info: Please forward a copy of all headers for proper handling
X-Trace:
ofjmidbaofeaohdodbdpiflmbcekedmfhojhikkbagflhcbobedlkfhgaghlpgpofjbgndepckefknpihc
elpnmooopgeipjdjbogdekdfnimmlndgkjfhipliackkdkboiajmiklllifoinenbmgbcnkbelibpe
NNTP-Posting-Date: Fri, 18 Jun 2004 12:04:38 EDT
Organization: BellSouth Internet Group
Date: Fri, 18 Jun 2004 11:53:54 -0400
Xref: g2news1.google.com rec.ham-radio:21

ICOM PCR-1000 Radio Receiver at a great price on Ebay. Look at Item #
5704811406




From -1718549101453740603
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,acefd34bb337d84f,start
X-Google-Attributes: gid10c9e3,public
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: n5omg@bellsouth.net (Danny)
Newsgroups: rec.ham-radio
Subject: For Trade
Date: 23 Jun 2004 18:25:47 -0700
Organization: http://groups.google.com
Lines: 5
Message-ID: <89f83ffb.0406231725.1320632f@posting.google.com>
NNTP-Posting-Host: 68.209.144.3
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1088040347 2541 127.0.0.1 (24 Jun 2004 01:25:47 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Thu, 24 Jun 2004 01:25:47 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:22

I have a brand new 200' roll of Andrews 3/8" heliax with 4 new N-Type
male connectors that I am looking to swap for either a new model
dual-trio band HT like the Yaesu VX5R or VX7R, OR an older, all mode
base type 6 meter rig.
If interested, or questions, please email me at: n5omg@bellsouth.net


From 3974269475826695256
X-Google-Thread: 10c9e3,c8c8004080213d8c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: fzavada7@netscape.com (Frank)
Newsgroups: rec.ham-radio
```

Subject: Spectrum Analyzer HP 141T fer sale, fer trade, what ever:
Date: 27 Jun 2004 12:02:33 -0700
Organization: http://groups.google.com
Lines: 8
Message-ID: <266c34fa.0406271102.55ac85@posting.google.com>
NNTP-Posting-Host: 172.199.226.172
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1088362954 21845 127.0.0.1 (27 Jun 2004 19:02:34 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sun, 27 Jun 2004 19:02:34 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:23

Nice HP 141T main frame RF section is 8554L and the IF section is 8552B. Covers DC to 1250mhz. Great for checking bandwidths, harmonics and spurs, you know. Really nice shape, pictures on request. Trade for military HF communications gear boatanchor stuff, also older HF amateur radio gear. Taking resonable offfers.
Need a spec analyzer here is a chance to get a nice one and also open up some space. get rid of that surplus stuff and put something nice on your test bench.

From 2075640954439613954
X-Google-Thread: 10c9e3,9f1b0aa0a360eb58,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: fzavada7@netscape.com (Frank)
Newsgroups: rec.ham-radio
Subject: HP/Agilent 8647A signal generator 250 khz to 1000 mhz fer sale, fer trade, what ever:
Date: 27 Jun 2004 12:14:43 -0700
Organization: http://groups.google.com
Lines: 11
Message-ID: <266c34fa.0406271114.1bceed02@posting.google.com>
NNTP-Posting-Host: 172.199.226.172
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1088363683 22316 127.0.0.1 (27 Jun 2004 19:14:43 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sun, 27 Jun 2004 19:14:43 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:24

Real nice signal generator from HP 8647A, still supported by HP and has to many features to list but what a machine. I wish they made stuff like this when I was still in engineering. Condition is nice, specs can be found on web. Darn thing goes for big bucks to. I checked out a few sites and it rents for over 300 a month (trivia). Anyway if your looking for a real nice signal generator that has just gone out of production this is it. I am looking for military HF communications equipment in trade, amateur boatanchor HF gear, that sort of stuff. intrested make me an offer. Pictures on request. By

the way you can get a fresh calibration on this unit to NBS standards
pretty reasonalble ie. cheap.

```
From 3760562326619554554
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2003-12-27 11:10:50 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!news-out.visi.com!petbe.visi.com!newsfeeds-atl2!
news.webusenet.com!elnk-atl-nf1!newsfeed.earthlink.net!
stamper.news.atl.earthlink.net!newsread1.news.atl.earthlink.net.POSTED!a9d97033!
not-for-mail
From: "Dwight Stewart" <stewartx@NOearthlinkSPAM.net>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
<9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net>
<kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com> <bsk6bb$n1m$3@otis.netspace.net.au>
Subject: Re: Bye Bye CW
Lines: 65
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <_OkHb.2963$d4.2541@newsread1.news.atl.earthlink.net>
Date: Sat, 27 Dec 2003 19:10:50 GMT
NNTP-Posting-Host: 63.184.233.89
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread1.news.atl.earthlink.net 1072552250 63.184.233.89 (Sat, 27 Dec
2003 11:10:50 PST)
NNTP-Posting-Date: Sat, 27 Dec 2003 11:10:50 PST
Organization: EarthLink Inc. -- http://www.EarthLink.net
```

Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21243 rec.ham-radio.swap:3603
alt.ham-radio.hf:3883 rec.radio.amateur.swap:5251 rec.radio.swap:4801

"Matt" wrote:
>
> (snip) Here in VK, recent
> meetings between the government
> communications body (ACA) and
> amateurs has seen overwhelming
> numbers in favour fo the removal
> of CW for the access to the HF
> amateur frequencies. (snip)
> As a result come 01 Jan 04, CW
> is not required in VK for access
> to HF. (snip)

Sadly, the near future is not so bright here in the USA. I suspect it may be five, ten, or perhaps more, years before telegraphy proficiency as a licensing requirement (code testing) disappears in this country. At this point, the FCC (our government regulatory agency) has decided to do nothing until a consensus on the issue is reached within the Amateur Radio community. Clearly, there is no consensus whatsoever at this time. If a consensus is reached, it will take another one to two years for any change to go through our regulatory process. However, since most Americans can be very pig-headed (stubborn), many doubt a consensus will ever be reached. Therefore, many are hoping the FCC will simply give up on the consensus idea, deciding the issue based on what is needed, from a regulatory perspective, to meet the goals and purpose of the radio service. Nothing so far suggests they intend to do that anytime soon.

> (snip) We still support it as a historical
> part of amateur radio, and indeed hope
> that it doesn't die off as a mode that
> amateurs use. Funnily enough, now it is
> not required (well in about 4 days
> anyway), the concensus is that it will
> probably become a more popular mode
> of comms - but in the end, that is what it
> is - merely one of the many modes of
> comms that is available to amateur
> operators. Long may it prosper, but
> not as an uneccesary barrier to HF
> access. (snip)

Unfortunately, too many in this country cannot separate code use from the code test. They view the possible removal of the code test as an assault on their CW identity or lifestyle. Another group views the code test as a filter to keep out undesirables ("those people" - a form of bigotry based on Morse code). Still another group views the code test as a solution to this nation's wider social problems (lowered education standards and so on).

Whatever the case, almost all of these seem to forget that code testing is simply a licensing step into what is fundamentally a recreational activity (with meaningful undertones, but a recreation nonetheless).

Take care, Matt. Enjoy your new HF privileges. Perhaps all Amateur Radio operators here in the USA will one day be able to join you, and all those in other countries now without a code test, on those frequencies. If that happens, you can darn sure bet Americans will be among the last in the world to do so.

Dwight Stewart (W5NET)

http://www.qsl.net/w5net/

From -5934871318341344398
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-ArrivalTime: 2003-12-27 11:23:22 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!
easynews.com!easynews!elnk-pas-nf1!newsfeed.earthlink.net!
stamper.news.pas.earthlink.net!stamper.news.atl.earthlink.net!
newsread1.news.atl.earthlink.net.POSTED!a9d97033!not-for-mail
From: "Dwight Stewart" <stewartx@NOearthlinkSPAM.net>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
<9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net>
<kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com>
<xk3Hb.10655$IM3.2803@newsread3.news.atl.earthlink.net>
<na6ruv4omv57ojan93i2n3oaqdr8skr59r@4ax.com>
<nojHb.2735$d4.97@newsread1.news.atl.earthlink.net>
<eQjHb.41854$m83.23182@fed1read01>
Subject: Re: Bye Bye CW?

Lines: 18
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <J_kHb.2976$d4.1111@newsread1.news.atl.earthlink.net>
Date: Sat, 27 Dec 2003 19:23:21 GMT
NNTP-Posting-Host: 63.184.233.89
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread1.news.atl.earthlink.net 1072553001 63.184.233.89 (Sat, 27 Dec 2003 11:23:21 PST)
NNTP-Posting-Date: Sat, 27 Dec 2003 11:23:21 PST
Organization: EarthLink Inc. -- http://www.EarthLink.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21244 rec.ham-radio.swap:3604 alt.ham-radio.hf:3884 rec.radio.amateur.swap:5252 rec.radio.swap:4802

"Richard W. Haviland" wrote:

>
> I'm confused! lol

I'll try to sort it out, Rick. Albert is blaming me for what Clint said and I suspect "FT243" is blaming me for the subject line in this newsgroup thread. I don't think either one of them is actually reading what I've said, at least not without the anger carried over from what others have said. Does that make any sense? If not, don't worry - I'm getting confused trying to figure out what each one is actually talking about also.

Dwight Stewart   (W5NET)

http://www.qsl.net/w5net/

From -4639158141685625332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5322da8fca26e6b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,b5322da8fca26e6b
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 1109af,b5322da8fca26e6b
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,b5322da8fca26e6b
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2003-12-28 04:14:58 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!news-out1.nntp.be!propagator2-sterling!in.nntp.be!priapus.visi.com!orange.octanews.net!

```
news.octanews.net!news-out.visi.com!petbe.visi.com!newsfeeds-atl2!
news.webusenet.com!pc01.webusenet.com!fe01.POSTED!53ab2750!not-for-mail
From: "Daniel W4ADT" <danielw4adt@alltel.net>
Newsgroups: alabama.birmingham.radio.amateur,rec.ham-radio,rec.ham-
radio.swap,rec.radio.swap
References: <R8NGb.75$Vr.59@fe01>
Subject: For Sale - Heil HM-10 Price Reduced!!
Lines: 10
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <wNzHb.8$Qh.4@fe01>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Sun, 28 Dec 2003 07:13:16 EST
Date: Sun, 28 Dec 2003 07:11:58 -0500
Xref: archiver1.google.com alabama.birmingham.radio.amateur:840 rec.ham-
radio.swap:3609 rec.radio.swap:4846

YOU MUST CALL FOR THIS PRICE! $75.00 + SHIPPING 678-758-1298
73 Daniel W4ADT

-------------------------

Excellent condition - includes the clear carrying case.
$90.00 shipped Call 678-758-1298 if interested
73 Daniel W4ADT





From 8984513428247245016
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-ArrivalTime: 2003-12-28 11:42:52 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!
```

easynews.com!easynews!elnk-pas-nf1!newsfeed.earthlink.net!
stamper.news.pas.earthlink.net!stamper.news.atl.earthlink.net!
newsread1.news.atl.earthlink.net.POSTED!96824b94!not-for-mail
From: "Dan/W4NTI" <w4nti@get rid of this mindspring.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
<9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net>
<kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com>
<xk3Hb.10655$IM3.2803@newsread3.news.atl.earthlink.net>
<m06ruv8pjv0evp1ggkhp2cj5qqcjmcscfc@4ax.com>
<9hjHb.2733$d4.1448@newsread1.news.atl.earthlink.net>
Subject: Re: Bye Bye CW
Lines: 18
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <%mGHb.3974$d4.2388@newsread1.news.atl.earthlink.net>
Date: Sun, 28 Dec 2003 19:42:51 GMT
NNTP-Posting-Host: 199.174.148.77
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread1.news.atl.earthlink.net 1072640571 199.174.148.77 (Sun, 28 Dec 2003 11:42:51 PST)
NNTP-Posting-Date: Sun, 28 Dec 2003 11:42:51 PST
Organization: EarthLink Inc. -- http://www.EarthLink.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21270 rec.ham-radio.swap:3611
alt.ham-radio.hf:3887 rec.radio.amateur.swap:5257 rec.radio.swap:4857

However, I don't
> think it is dishonest for the FCC to say that "...no communication system
> has been designed in many years that depends on hand-keyed telegraphy..."

> Dwight Stewart   (W5NET)
>
> http://www.qsl.net/w5net/
>

Just because its old don't make it useless. Actually it just proves how
useful it really is.

The opinion of the FCC about cw is not relevant. The present crew there
doesn't have a good track record of late. I.E. BPL.

Dan/W4NTI

From -8906417398330470230

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-ArrivalTime: 2003-12-28 11:48:15 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!
easynews.com!easynews!elnk-pas-nf1!newsfeed.earthlink.net!
stamper.news.pas.earthlink.net!stamper.news.atl.earthlink.net!
newsread1.news.atl.earthlink.net.POSTED!96824b94!not-for-mail
From: "Dan/W4NTI" <w4nti@get rid of this mindspring.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
<9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net>
<kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com> <bsk6bb$n1m$3@otis.netspace.net.au>
<_OkHb.2963$d4.2541@newsread1.news.atl.earthlink.net>
Subject: Re: Bye Bye CW
Lines: 83
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <3sGHb.3980$d4.476@newsread1.news.atl.earthlink.net>
Date: Sun, 28 Dec 2003 19:48:15 GMT
NNTP-Posting-Host: 199.174.148.77
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread1.news.atl.earthlink.net 1072640895 199.174.148.77 (Sun, 28 Dec
2003 11:48:15 PST)
NNTP-Posting-Date: Sun, 28 Dec 2003 11:48:15 PST
Organization: EarthLink Inc. -- http://www.EarthLink.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21273 rec.ham-radio.swap:3612
alt.ham-radio.hf:3888 rec.radio.amateur.swap:5258 rec.radio.swap:4858
```

"Dwight Stewart" <stewartx@NOearthlinkSPAM.net> wrote in message
news:_OkHb.2963$d4.2541@newsread1.news.atl.earthlink.net...
> "Matt" wrote:
> >

> >   (snip)   Here in VK, recent
> > meetings between the government
> > communications body (ACA) and
> > amateurs has seen overwhelming
> > numbers in favour fo the removal
> > of CW for the access to the HF
> > amateur frequencies.   (snip)
> > As a result come 01 Jan 04, CW
> > is not required in VK for access
> > to HF. (snip)
>
>
>   Sadly, the near future is not so bright here in the USA. I suspect it may
> be five, ten, or perhaps more, years before telegraphy proficiency as a
> licensing requirement (code testing) disappears in this country. At this
> point, the FCC (our government regulatory agency) has decided to do nothing
> until a consensus on the issue is reached within the Amateur Radio
> community. Clearly, there is no consensus whatsoever at this time. If a
> consensus is reached, it will take another one to two years for any change
> to go through our regulatory process. However, since most Americans can be
> very pig-headed (stubborn), many doubt a consensus will ever be reached.
> Therefore, many are hoping the FCC will simply give up on the consensus
> idea, deciding the issue based on what is needed, from a regulatory
> perspective, to meet the goals and purpose of the radio service. Nothing so
> far suggests they intend to do that anytime soon.
>
>
> > (snip) We still support it as a historical
> > part of amateur radio, and indeed hope
> > that it doesn't die off as a mode that
> > amateurs use. Funnily enough, now it is
> > not required (well in about 4 days
> > anyway), the concensus is that it will
> > probably become a more popular mode
> > of comms - but in the end, that is what it
> > is - merely one of the many modes of
> > comms that is available to amateur
> > operators. Long may it prosper, but
> > not as an uneccesary barrier to HF
> > access.   (snip)
>
>
>   Unfortunately, too many in this country cannot separate code use from the
> code test. They view the possible removal of the code test as an assault on
> their CW identity or lifestyle. Another group views the code test as a
> filter to keep out undesirables ("those people" - a form of bigotry based on
> Morse code). Still another group views the code test as a solution to this

> nation's wider social problems (lowered education standards and so on).
> Whatever the case, almost all of these seem to forget that code testing is
> simply a licensing step into what is fundamentally a recreational activity
> (with meaningful undertones, but a recreation nonetheless).
>
>   Take care, Matt. Enjoy your new HF privileges. Perhaps all Amateur Radio
> operators here in the USA will one day be able to join you, and all those
in
> other countries now without a code test, on those frequencies. If that
> happens, you can darn sure bet Americans will be among the last in the
world
> to do so.
>
>
> Dwight Stewart   (W5NET)
>
> http://www.qsl.net/w5net/
>

GOOD !!!!. And your 100 percent correct. WE WILL NOT GO DOWN WITHOUT A
HELL OF A FIGHT. So all you whiners go pass your 5wpm multiple guess test.

Dan/W4NTI

From 5674724688899503695
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2003-12-28 14:51:56 PST
Message-ID: <3FEF59A7.33E9DEA9@usa.net>
Date: Sun, 28 Dec 2003 17:31:03 -0500
From: Pappy127@usa.net
Organization: "United States of America"
X-Mailer: Mozilla 4.61 [en] (WinNT; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
To: Dan/W4NTI <"w4nti"@get rid of this mindspring.com>
Subject: Re: Bye Bye CW

```
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
<9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net>
<kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com> <bsk6bb$n1m$3@otis.netspace.net.au>
<_OkHb.2963$d4.2541@newsread1.news.atl.earthlink.net>
<3sGHb.3980$d4.476@newsread1.news.atl.earthlink.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
NNTP-Posting-Host: 4.pwlr2.xdsl.nauticom.net
X-Trace: news.nauticom.net 1072651919 209.195.185.229 (28 Dec 2003 17:51:59 -0500)
Lines: 4
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!news-out.visi.com!petbe.visi.com!in.100proofnews.com!
in.100proofnews.com!newsfeed.hal-mli.net!feeder1.hal-mli.net!dfw-
feed.news.verio.net!phl-feed.news.verio.net!news.nauticom.net!not-for-mail
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21276 rec.ham-radio.swap:3613
alt.ham-radio.hf:3889 rec.radio.amateur.swap:5260 rec.radio.swap:4869
```

Come on guys, this subject was beat to death some time ago when the FC&C decided to make the changes that exist now. It's going to happen, like it of not.

```
From -2669114836284834576
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2003-12-28 17:21:35 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!elnk-pas-nf1!
newsfeed.earthlink.net!stamper.news.pas.earthlink.net!
stamper.news.atl.earthlink.net!newsread1.news.atl.earthlink.net.POSTED!a9d97033!
not-for-mail
From: "Dwight Stewart" <stewartx@NOearthlinkSPAM.net>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
```

<tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
<9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net>
<kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com>
<xk3Hb.10655$IM3.2803@newsread3.news.atl.earthlink.net>
<m06ruv8pjv0evp1ggkhp2cj5qqcjmcscfc@4ax.com>
<9hjHb.2733$d4.1448@newsread1.news.atl.earthlink.net>
<%mGHb.3974$d4.2388@newsread1.news.atl.earthlink.net>
Subject: Re: Bye Bye CW
Lines: 31
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <zkLHb.4430$d4.169@newsread1.news.atl.earthlink.net>
Date: Mon, 29 Dec 2003 01:21:35 GMT
NNTP-Posting-Host: 63.183.120.171
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread1.news.atl.earthlink.net 1072660895 63.183.120.171 (Sun, 28 Dec 2003 17:21:35 PST)
NNTP-Posting-Date: Sun, 28 Dec 2003 17:21:35 PST
Organization: EarthLink Inc. -- http://www.EarthLink.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21279 rec.ham-radio.swap:3615 alt.ham-radio.hf:3890 rec.radio.amateur.swap:5261 rec.radio.swap:4873

"Dan/W4NTI" wrote:
> "Dwight Stewart" wrote:
> > However, I don't think it is dishonest
> > for the FCC to say that "...no
> > communication system has been
> > designed in many years that depends
> > on hand-keyed telegraphy..."
>
>
> Just because its old don't make it useless.
> Actually it just proves how useful it really
> is.

Nobody said Morse code wasn't useful - it's a fine recreational activity. However, when it comes to a licensing requirement, the sole issue is whether Morse code serves a regulatory purpose. As the FCC said, it doesn't today.

> The opinion of the FCC about cw is not
> relevant. (snip)

Really? Since they regulate this radio service (including the licensing requirements), I somehow suspect the FCC would strongly disagree.

Dwight Stewart   (W5NET)

http://www.qsl.net/w5net/

```
From -5824977657436567986
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2003-12-28 17:48:08 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!
in.100proofnews.com!in.100proofnews.com!prodigy.com!newsmst01.news.prodigy.com!
prodigy.com!postmaster.news.prodigy.com!newssvr28.news.prodigy.com.POSTED!not-for-
mail
From: Tony  <Tony@mail.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
Message-ID: <nh1vuvk7jbslliposcr5p6r2qoodhv04iq@4ax.com>
References: <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
<9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net>
<kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com>
<xk3Hb.10655$IM3.2803@newsread3.news.atl.earthlink.net>
<m06ruv8pjv0evp1ggkhp2cj5qqcjmcscfc@4ax.com>
<9hjHb.2733$d4.1448@newsread1.news.atl.earthlink.net>
<%mGHb.3974$d4.2388@newsread1.news.atl.earthlink.net>
X-Newsreader: Forte Agent 1.93/32.576 English (American)
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 33
NNTP-Posting-Host: 67.39.195.26
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr28.news.prodigy.com 1072662334 ST000 67.39.195.26 (Sun, 28 Dec
2003 20:45:34 EST)
NNTP-Posting-Date: Sun, 28 Dec 2003 20:45:34 EST
```

Organization: SBC http://yahoo.sbc.com
X-UserInfo1:
FKPGGT[D[JPUST@ZNKK^_T\B\JYL@DHLLBWLOOAFWIWTEPIB_NVUAH_[BL[\IRKIANGGJBFNJF_DOLSCEN
SY^U@FRFUEXR@KFXYDBPWBCDQJA@X_DCBHXR[C@\EOKCJLED_SZ@RMWYXYWE_P@\
\GOIW^@SYFFSWHFIXMADO@^[ADPRPETLBJ]RDGENSKQQZN
Date: Mon, 29 Dec 2003 01:45:34 GMT
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21281 rec.ham-radio.swap:3616
alt.ham-radio.hf:3891 rec.radio.amateur.swap:5262 rec.radio.swap:4875

You panty waist crybabys knew there was code in Ham Radio But was to
lazy to learn it.
It would have show the world you at least knew something other then
crying.
But some of you were in the Boy Scouts and learned then What happened
did you brain die?
Code will pass so you can say I'm a ham Wow be proud hold your head
high.
Now we can attack something else or someone.................Seig Heil

On Sun, 28 Dec 2003 19:42:51 GMT, "Dan/W4NTI" <w4nti@get rid of this
mindspring.com> wrote:

>However, I don't
>> think it is dishonest for the FCC to say that "...no communication system
>> has been designed in many years that depends on hand-keyed telegraphy..."
>
>> Dwight Stewart   (W5NET)
>>
>> http://www.qsl.net/w5net/
>>
>
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>useful it really is.
>
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>doesn't have a good track record of late. I.E. BPL.
>
>Dan/W4NTI
>

From -5662304058317260224
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: f95bc,d49cf69ed154f702

```
X-Google-Attributes: gidf95bc,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2003-12-29 05:46:01 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!
easynews.com!easynews!elnk-pas-nf1!newsfeed.earthlink.net!
stamper.news.pas.earthlink.net!newsread1.news.pas.earthlink.net.POSTED!9eae8d85!
not-for-mail
From: "map" <mapalmerlaw@earthlink.net>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
<9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net>
<kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com> <bsk6bb$n1m$3@otis.netspace.net.au>
<_OkHb.2963$d4.2541@newsread1.news.atl.earthlink.net>
<3sGHb.3980$d4.476@newsread1.news.atl.earthlink.net>
Subject: Re: Bye Bye CW
Lines: 101
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <teWHb.24668$Pg1.20784@newsread1.news.pas.earthlink.net>
Date: Mon, 29 Dec 2003 13:46:01 GMT
NNTP-Posting-Host: 66.90.250.44
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread1.news.pas.earthlink.net 1072705561 66.90.250.44 (Mon, 29 Dec
2003 05:46:01 PST)
NNTP-Posting-Date: Mon, 29 Dec 2003 05:46:01 PST
Organization: EarthLink Inc. -- http://www.EarthLink.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21289 rec.ham-radio.swap:3617
alt.ham-radio.hf:3892 rec.radio.amateur.swap:5263 rec.radio.swap:4899
```

Too bad. Your attitude will cause the US to slip one more notch down on the world stage. While the rest of the world gains from expanded comm. You and your buds will keep US citizens from same. Bravo for you. You are a curse on amateur radio, that won't go away soon enough. Sorta like a cancer that will not die till the host dies.
"Dan/W4NTI" <w4nti@get rid of this mindspring.com> wrote in message
news:3sGHb.3980$d4.476@newsread1.news.atl.earthlink.net...

>
> "Dwight Stewart" <stewartx@NOearthlinkSPAM.net> wrote in message
> news:_OkHb.2963$d4.2541@newsread1.news.atl.earthlink.net...
> > "Matt" wrote:
> > >

> > >   (snip)   Here in VK, recent
> > > meetings between the government
> > > communications body (ACA) and
> > > amateurs has seen overwhelming
> > > numbers in favour fo the removal
> > > of CW for the access to the HF
> > > amateur frequencies.   (snip)
> > > As a result come 01 Jan 04, CW
> > > is not required in VK for access
> > > to HF. (snip)
> >
> >
> >   Sadly, the near future is not so bright here in the USA. I suspect it
> may
> > be five, ten, or perhaps more, years before telegraphy proficiency as a
> > licensing requirement (code testing) disappears in this country. At this
> > point, the FCC (our government regulatory agency) has decided to do
> nothing
> > until a consensus on the issue is reached within the Amateur Radio
> > community. Clearly, there is no consensus whatsoever at this time. If a
> > consensus is reached, it will take another one to two years for any
change
> > to go through our regulatory process. However, since most Americans can
be
> > very pig-headed (stubborn), many doubt a consensus will ever be reached.
> > Therefore, many are hoping the FCC will simply give up on the consensus
> > idea, deciding the issue based on what is needed, from a regulatory
> > perspective, to meet the goals and purpose of the radio service. Nothing
> so
> > far suggests they intend to do that anytime soon.
> >
> >
> > > (snip) We still support it as a historical
> > > part of amateur radio, and indeed hope
> > > that it doesn't die off as a mode that
> > > amateurs use. Funnily enough, now it is
> > > not required (well in about 4 days
> > > anyway), the concensus is that it will
> > > probably become a more popular mode
> > > of comms - but in the end, that is what it
> > > is - merely one of the many modes of
> > > comms that is available to amateur
> > > operators. Long may it prosper, but
> > > not as an uneccesary barrier to HF
> > > access.   (snip)
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> >
> >   Unfortunately, too many in this country cannot separate code use from
> the
> > code test. They view the possible removal of the code test as an assault
> on
> > their CW identity or lifestyle. Another group views the code test as a
> > filter to keep out undesirables ("those people" - a form of bigotry

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based
> on
> > Morse code). Still another group views the code test as a solution to
this
> > nation's wider social problems (lowered education standards and so on).
> > Whatever the case, almost all of these seem to forget that code testing
is
> > simply a licensing step into what is fundamentally a recreational
activity
> > (with meaningful undertones, but a recreation nonetheless).
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> >   Take care, Matt. Enjoy your new HF privileges. Perhaps all Amateur
Radio
> > operators here in the USA will one day be able to join you, and all
those
> in
> > other countries now without a code test, on those frequencies. If that
> > happens, you can darn sure bet Americans will be among the last in the
> world
> > to do so.
> >
> >
> > Dwight Stewart   (W5NET)
> >
> > http://www.qsl.net/w5net/
> >
>
> GOOD !!!!.  And your 100 percent correct.  WE WILL NOT GO DOWN WITHOUT A
> HELL OF A FIGHT.  So all you whiners go pass your 5wpm multiple guess
test.
>
> Dan/W4NTI
>
>




From -1607047560865428547
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114a57,d49cf69ed154f702
```

X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2003-12-29 09:10:17 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!
in.100proofnews.com!in.100proofnews.com!cox.net!news-xfer.cox.net!p01!
okepread04.POSTED!not-for-mail
From: "AA5JJ" <aa5jj@cox.net>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
<9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net>
<kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com> <bsk6bb$n1m$3@otis.netspace.net.au>
<_OkHb.2963$d4.2541@newsread1.news.atl.earthlink.net>
<3sGHb.3980$d4.476@newsread1.news.atl.earthlink.net>
<teWHb.24668$Pg1.20784@newsread1.news.pas.earthlink.net>
Subject: Re: Bye Bye CW
Lines: 132
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <ZdZHb.41939$a44.18064@okepread04>
Date: Mon, 29 Dec 2003 11:10:10 -0600
NNTP-Posting-Host: 68.12.211.33
X-Complaints-To: abuse@cox.net
X-Trace: okepread04 1072717817 68.12.211.33 (Mon, 29 Dec 2003 12:10:17 EST)
NNTP-Posting-Date: Mon, 29 Dec 2003 12:10:17 EST
Organization: Cox Communications
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21292 rec.ham-radio.swap:3618
alt.ham-radio.hf:3893 rec.radio.amateur.swap:5264 rec.radio.swap:4904

Yep I agree "DO AWAY WITH CODE", it is not worth using anymore, out dated
and just plain hard to learn, do away whit it and we can all be like the
CBer's
10-4 GOOD BUDDY..................

"map" <mapalmerlaw@earthlink.net> wrote in message
news:teWHb.24668$Pg1.20784@newsread1.news.pas.earthlink.net...
> Too bad. Your attitude will cause the US to slip one more notch down on
the
> world stage. While the rest of the world gains from expanded comm. You and
> your buds will keep US citizens from same. Bravo for you. You are a curse
on
> amateur radio, that won't go away soon enough. Sorta like a cancer that
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> not die till the host dies.
> "Dan/W4NTI" <w4nti@get rid of this mindspring.com> wrote in message
> news:3sGHb.3980$d4.476@newsread1.news.atl.earthlink.net...
> >
> > "Dwight Stewart" <stewartx@NOearthlinkSPAM.net> wrote in message

> > news:_OkHb.2963$d4.2541@newsread1.news.atl.earthlink.net...
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> > Dan/W4NTI
> >
> >
>
>

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.555 / Virus Database: 347 - Release Date: 12/23/03

From -3288779348588649717
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-ArrivalTime: 2003-12-29 09:43:52 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!news-out.visi.com!petbe.visi.com!newsfeeds-atl2!
news.webusenet.com!elnk-atl-nf1!newsfeed.earthlink.net!
stamper.news.atl.earthlink.net!newsread1.news.atl.earthlink.net.POSTED!96824b94!
not-for-mail
From: "Dan/W4NTI" <w4nti@get rid of this mindspring.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
<9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net>
<kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com>
<xk3Hb.10655$IM3.2803@newsread3.news.atl.earthlink.net>
<m06ruv8pjv0evp1ggkhp2cj5qqcjmcscfc@4ax.com>
<9hjHb.2733$d4.1448@newsread1.news.atl.earthlink.net>
<%mGHb.3974$d4.2388@newsread1.news.atl.earthlink.net>
<zkLHb.4430$d4.169@newsread1.news.atl.earthlink.net>
Subject: Re: Bye Bye CW
Lines: 43
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <sJZHb.5347$d4.4220@newsread1.news.atl.earthlink.net>
Date: Mon, 29 Dec 2003 17:43:52 GMT
NNTP-Posting-Host: 199.174.134.240

X-Complaints-To: abuse@earthlink.net
X-Trace: newsread1.news.atl.earthlink.net 1072719832 199.174.134.240 (Mon, 29 Dec 2003 09:43:52 PST)
NNTP-Posting-Date: Mon, 29 Dec 2003 09:43:52 PST
Organization: EarthLink Inc. -- http://www.EarthLink.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21296 rec.ham-radio.swap:3619 alt.ham-radio.hf:3894 rec.radio.amateur.swap:5265 rec.radio.swap:4907

"Dwight Stewart" <stewartx@NOearthlinkSPAM.net> wrote in message
news:zkLHb.4430$d4.169@newsread1.news.atl.earthlink.net...
> "Dan/W4NTI" wrote:
> > "Dwight Stewart" wrote:
> > > However, I don't think it is dishonest
> > > for the FCC to say that "...no
> > > communication system has been
> > > designed in many years that depends
> > > on hand-keyed telegraphy..."
> >
> >
> > Just because its old don't make it useless.
> > Actually it just proves how useful it really
> > is.
>
>
>   Nobody said Morse code wasn't useful - it's a fine recreational
activity.
> However, when it comes to a licensing requirement, the sole issue is
whether
> Morse code serves a regulatory purpose. As the FCC said, it doesn't today.
>
>
> > The opinion of the FCC about cw is not
> > relevant.   (snip)
>
>
>   Really? Since they regulate this radio service (including the licensing
> requirements), I somehow suspect the FCC would strongly disagree.
>
>
> Dwight Stewart   (W5NET)
>
> http://www.qsl.net/w5net/
>

It is not relevant because the FCC has stated many times that it will do
what the members of the ARS want on certain issues. This is one of them.

Dan/W4NTI

From 7694064217968868290
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-ArrivalTime: 2003-12-29 09:47:38 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!
easynews.com!easynews!elnk-pas-nf1!newsfeed.earthlink.net!
stamper.news.pas.earthlink.net!stamper.news.atl.earthlink.net!
newsread1.news.atl.earthlink.net.POSTED!96824b94!not-for-mail
From: "Dan/W4NTI" <w4nti@get rid of this mindspring.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
<9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net>
<kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com> <bsk6bb$n1m$3@otis.netspace.net.au>
<_OkHb.2963$d4.2541@newsread1.news.atl.earthlink.net>
<3sGHb.3980$d4.476@newsread1.news.atl.earthlink.net>
<teWHb.24668$Pg1.20784@newsread1.news.pas.earthlink.net>
Subject: Re: Bye Bye CW
Lines: 128
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <ZMZHb.5352$d4.1068@newsread1.news.atl.earthlink.net>
Date: Mon, 29 Dec 2003 17:47:37 GMT
NNTP-Posting-Host: 199.174.134.240
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread1.news.atl.earthlink.net 1072720057 199.174.134.240 (Mon, 29 Dec 2003 09:47:37 PST)
NNTP-Posting-Date: Mon, 29 Dec 2003 09:47:37 PST
Organization: EarthLink Inc. -- http://www.EarthLink.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21297 rec.ham-radio.swap:3620 alt.ham-radio.hf:3895 rec.radio.amateur.swap:5266 rec.radio.swap:4908

Cancer? boy you really show your ignorance. Without old timers you would
all be running AM with beep boxes and yelling ten four all over 20 meters.

We are the ones that keep trash like you out of the service. And will
continue to do so.

Dan/W4NTI

"map" <mapalmerlaw@earthlink.net> wrote in message
news:teWHb.24668$Pg1.20784@newsread1.news.pas.earthlink.net...
> Too bad. Your attitude will cause the US to slip one more notch down on
the
> world stage. While the rest of the world gains from expanded comm. You and
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> >
> > GOOD !!!!.  And your 100 percent correct.  WE WILL NOT GO DOWN WITHOUT A
> > HELL OF A FIGHT.  So all you whiners go pass your 5wpm multiple guess
> test.
> >
> > Dan/W4NTI
> >
> >
>
>
```

```
From 2287568929946311389
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2003-12-29 18:45:18 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!news-
rtr.nyroc.rr.com!news-out.nyroc.rr.com!twister.nyroc.rr.com.POSTED!53ab2750!not-
for-mail
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
From: spanky <sandblaster@hotmail.com>
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
<9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net>
<kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com> <bsk6bb$n1m$3@otis.netspace.net.au>
<_OkHb.2963$d4.2541@newsread1.news.atl.earthlink.net>
```

```
Message-ID: <Xns9460DD438A85Bsandblasterhotmailco@24.24.2.167>
Followup-To: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors
User-Agent: Xnews/06.08.25
Lines: 76
Date: Tue, 30 Dec 2003 02:45:06 GMT
NNTP-Posting-Host: 24.169.211.11
X-Complaints-To: abuse@rr.com
X-Trace: twister.nyroc.rr.com 1072752306 24.169.211.11 (Mon, 29 Dec 2003 21:45:06
EST)
NNTP-Posting-Date: Mon, 29 Dec 2003 21:45:06 EST
Organization: Road Runner
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21301 rec.ham-radio.swap:3622
alt.ham-radio.hf:3897 rec.radio.amateur.swap:5268 rec.radio.swap:4949

"Dwight Stewart" <stewartx@NOearthlinkSPAM.net> wrote in
news:_OkHb.2963$d4.2541@newsread1.news.atl.earthlink.net:

> "Matt" wrote:
>>
>>   (snip)     Here in VK, recent
>> meetings between the government
>> communications body (ACA) and
>> amateurs has seen overwhelming
>> numbers in favour fo the removal
>> of CW for the access to the HF
>> amateur frequencies.   (snip)
>> As a  result come 01 Jan 04, CW
>> is not required in VK for access
>> to HF.  (snip)
>
>
>   Sadly, the near future is not so bright here in the USA. I suspect
>   it may
> be five, ten, or perhaps more, years before telegraphy proficiency as
> a licensing requirement (code testing) disappears in this country. At
> this point, the FCC (our government regulatory agency) has decided to
> do nothing until a consensus on the issue is reached within the
> Amateur Radio community. Clearly, there is no consensus whatsoever at
> this time. If a consensus is reached, it will take another one to two
> years for any change to go through our regulatory process. However,
> since most Americans can be very pig-headed (stubborn), many doubt a
> consensus will ever be reached. Therefore, many are hoping the FCC
> will simply give up on the consensus idea, deciding the issue based on
> what is needed, from a regulatory perspective, to meet the goals and
> purpose of the radio service. Nothing so far suggests they intend to
> do that anytime soon.
>
>
>> (snip)  We still support it as a historical
>> part of amateur radio, and indeed hope
>> that it doesn't die off as a mode that
>> amateurs use.  Funnily enough, now it is
>> not required (well in about 4 days
```

>> anyway), the concensus is that it will
>> probably become a more popular mode
>> of comms - but in the end, that is what it
>> is - merely one of the many modes of
>> comms that is available to amateur
>> operators. Long may it prosper, but
>> not as an uneccesary barrier to HF
>> access.   (snip)
>
>
>   Unfortunately, too many in this country cannot separate code use
>   from the
> code test. They view the possible removal of the code test as an
> assault on their CW identity or lifestyle. Another group views the
> code test as a filter to keep out undesirables ("those people" - a
> form of bigotry based on Morse code). Still another group views the
> code test as a solution to this nation's wider social problems
> (lowered education standards and so on). Whatever the case, almost all
> of these seem to forget that code testing is simply a licensing step
> into what is fundamentally a recreational activity (with meaningful
> undertones, but a recreation nonetheless).
>
>   Take care, Matt. Enjoy your new HF privileges. Perhaps all Amateur
>   Radio
> operators here in the USA will one day be able to join you, and all
> those in other countries now without a code test, on those
> frequencies. If that happens, you can darn sure bet Americans will be
> among the last in the world to do so.
>
>
> Dwight Stewart   (W5NET)
>
> http://www.qsl.net/w5net/
>

    So.... all you whining crybabies..... herin lies your salvation.
Don't like the code??? Move to fuckin' Australia!

From -3673707546592911740
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public

```
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2003-12-29 20:37:53 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!
easynews.com!easynews!elnk-pas-nf1!newsfeed.earthlink.net!
stamper.news.pas.earthlink.net!stamper.news.atl.earthlink.net!
newsread3.news.atl.earthlink.net.POSTED!a9d97033!not-for-mail
From: "Dwight Stewart" <stewartx@NOearthlinkSPAM.net>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
<9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net>
<kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com> <bsk6bb$n1m$3@otis.netspace.net.au>
<_OkHb.2963$d4.2541@newsread1.news.atl.earthlink.net>
<3sGHb.3980$d4.476@newsread1.news.atl.earthlink.net>
<teWHb.24668$Pg1.20784@newsread1.news.pas.earthlink.net>
<ZdZHb.41939$a44.18064@okepread04>
Subject: Re: Bye Bye CW
Lines: 22
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <Ai7Ib.14983$IM3.2443@newsread3.news.atl.earthlink.net>
Date: Tue, 30 Dec 2003 04:37:52 GMT
NNTP-Posting-Host: 63.176.25.14
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread3.news.atl.earthlink.net 1072759072 63.176.25.14 (Mon, 29 Dec
2003 20:37:52 PST)
NNTP-Posting-Date: Mon, 29 Dec 2003 20:37:52 PST
Organization: EarthLink Inc. -- http://www.EarthLink.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21309 rec.ham-radio.swap:3624
alt.ham-radio.hf:3900 rec.radio.amateur.swap:5269 rec.radio.swap:4952


"AA5JJ" wrote:
> Yep I agree "DO AWAY WITH
> CODE", it is not worth using anymore,
> out dated and just plain hard to learn,
> do away whit it and we can all be like
> the CBer's
> 10-4 GOOD BUDDY.................


  BS, Wayne. In case you haven't noticed, Morse code hasn't been a
```

requirement to get a Ham license (the Technician license) for many years. And, during that time period, there hasn't been, based on FCC enforcement reports, any significant increase in "CB-like" behavior on the frequencies used by those Technician license holders. In other words, the "CB" threat just isn't supported by the facts.

Dwight Stewart   (W5NET)

http://www.qsl.net/w5net/

From 7328336047664480820
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-ArrivalTime: 2003-12-29 20:48:10 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!
easynews.com!easynews!elnk-pas-nf1!newsfeed.earthlink.net!
stamper.news.pas.earthlink.net!stamper.news.atl.earthlink.net!
newsread3.news.atl.earthlink.net.POSTED!a9d97033!not-for-mail
From: "Dwight Stewart" <stewartx@NOearthlinkSPAM.net>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
<9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net>
<kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com> <bsk6bb$n1m$3@otis.netspace.net.au>
<_OkHb.2963$d4.2541@newsread1.news.atl.earthlink.net>
<3sGHb.3980$d4.476@newsread1.news.atl.earthlink.net>
<teWHb.24668$Pg1.20784@newsread1.news.pas.earthlink.net>
<ZMZHb.5352$d4.1068@newsread1.news.atl.earthlink.net>
Subject: Re: Bye Bye CW
Lines: 23
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"

```
Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <es7Ib.14991$IM3.11525@newsread3.news.atl.earthlink.net>
Date: Tue, 30 Dec 2003 04:48:10 GMT
NNTP-Posting-Host: 63.176.25.14
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread3.news.atl.earthlink.net 1072759690 63.176.25.14 (Mon, 29 Dec
2003 20:48:10 PST)
NNTP-Posting-Date: Mon, 29 Dec 2003 20:48:10 PST
Organization: EarthLink Inc. -- http://www.EarthLink.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21310 rec.ham-radio.swap:3625
alt.ham-radio.hf:3901 rec.radio.amateur.swap:5270 rec.radio.swap:4953
```

"Dan/W4NTI" wrote:

> Cancer? boy you really show your
> ignorance. Without old timers you
> would all be running AM with beep
> boxes and yelling ten four all over
> 20 meters.
>
> We are the ones that keep trash
> like you out of the service. And
> will continue to do so.

Keep it up, Dan. Attitudes like this will certainly increase the numbers of those opposed to your way of thinking. The rhetoric from you and Bruce only makes my goal of ending code testing that much easier.

Dwight Stewart   (W5NET)

http://www.qsl.net/w5net/

```
From 1813923518748785315
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
```

```
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2003-12-29 21:00:15 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-01!sn-post-02!sn-
post-01!supernews.com!corp.supernews.com!not-for-mail
From: "Harold Burton" <hwburton@cableone.net>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
Date: Mon, 29 Dec 2003 22:59:58 -0800
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <vv21feqh215e70@corp.supernews.com>
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
<9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net>
<kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com> <bsk6bb$n1m$3@otis.netspace.net.au>
<_OkHb.2963$d4.2541@newsread1.news.atl.earthlink.net>
<3sGHb.3980$d4.476@newsread1.news.atl.earthlink.net>
<teWHb.24668$Pg1.20784@newsread1.news.pas.earthlink.net>
<ZdZHb.41939$a44.18064@okepread04>
<Ai7Ib.14983$IM3.2443@newsread3.news.atl.earthlink.net>
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
X-Complaints-To: abuse@supernews.com
Lines: 37
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21312 rec.ham-radio.swap:3626
alt.ham-radio.hf:3902 rec.radio.amateur.swap:5271 rec.radio.swap:4955
```

"Dwight Stewart" <stewartx@NOearthlinkSPAM.net> wrote in message
news:Ai7Ib.14983$IM3.2443@newsread3.news.atl.earthlink.net...

> "AA5JJ" wrote:
> > Yep I agree "DO AWAY WITH
> > CODE", it is not worth using anymore,
> > out dated and just plain hard to learn,
> > do away whit it and we can all be like
> > the CBer's
> > 10-4 GOOD BUDDY.................
>
>
> BS, Wayne. In case you haven't noticed, Morse code hasn't been a requirement to get a Ham license (the Technician license) for many years. And, during that time period, there hasn't been, based on FCC enforcement reports, any significant increase in "CB-like" behavior on the frequencies used by those Technician license holders. In other words, the "CB" threat just isn't supported by the facts.

>
>
> Dwight Stewart   (W5NET)
>
> http://www.qsl.net/w5net/
>

Tho' I tend to agree that the minimal 5 wpm code requirement should be kept(What can I say, I'm tradition bound), a couple of the guys in this thread on that same side of the argument are sounding more like the '50s CB "Channelmasters" than the kind of Hams I tend to respect. You have, at least, kept a nominally polite attitude in your responses. It will be interesting to see what those with the final say on licensing will finally decide, won't it?

Harold Burton
KD5SAK

From -5326306162349858044
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2003-12-29 22:04:23 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!easynews.com!easynews!elnk-pas-nf1!newsfeed.earthlink.net!stamper.news.pas.earthlink.net!stamper.news.atl.earthlink.net!newsread3.news.atl.earthlink.net.POSTED!a9d97033!not-for-mail
From: "Dwight Stewart" <stewartx@NOearthlinkSPAM.net>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com> <xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com> <vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com> <tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com> <9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net> <kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com> <bsk6bb$n1m$3@otis.netspace.net.au> <_OkHb.2963$d4.2541@newsread1.news.atl.earthlink.net> <3sGHb.3980$d4.476@newsread1.news.atl.earthlink.net>

```
<teWHb.24668$Pg1.20784@newsread1.news.pas.earthlink.net>
<ZdZHb.41939$a44.18064@okepread04>
<Ai7Ib.14983$IM3.2443@newsread3.news.atl.earthlink.net>
<vv21feqh215e70@corp.supernews.com>
Subject: Re: Bye Bye CW
Lines: 49
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <Gz8Ib.15047$IM3.10089@newsread3.news.atl.earthlink.net>
Date: Tue, 30 Dec 2003 06:04:22 GMT
NNTP-Posting-Host: 63.176.25.14
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread3.news.atl.earthlink.net 1072764262 63.176.25.14 (Mon, 29 Dec
2003 22:04:22 PST)
NNTP-Posting-Date: Mon, 29 Dec 2003 22:04:22 PST
Organization: EarthLink Inc. -- http://www.EarthLink.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21315 rec.ham-radio.swap:3627
alt.ham-radio.hf:3903 rec.radio.amateur.swap:5272 rec.radio.swap:4956
```

"Harold Burton" wrote:

>
> Tho' I tend to agree that the
> minimal 5 wpm code requirement
> should be kept (What can I say,
> I'm tradition bound),   (snip)

Hey, I love traditions also (perhaps more so now that I'm getting older). But, I also realise tradition has to bow to the realities at some point. I simply cannot see code testing being a requirement for Ham radio for the next several hundred years. In other words, it has to end at some point. Since no communications system has been designed in many years that depends on code skills, perhaps now is that point.

> (snip) a couple of the guys in this
> thread on that same side of the
> argument are sounding more like
> the '50s CB "Channelmasters"
> than the kind of Hams I tend to
> respect. (snip)

Noise and static, Harold. Clearly, some have decided that if code testing dies, Amateur radio should die with it. Some have even said so. In that vein of thinking, they have taken a very destructive approach to the whole issue. However, Ham radio is obviously not going down that easily and we all have to go on together regardless of the outcome of this debate. Therefore, I think it is wise to keep the debate civil.

> You have, at least, kept a nominally
> polite attitude in your responses. It
> will be interesting to see what those
> with the final say on licensing will
> finally decide, won't it?

Since the ITU has now ended the international requirement for Morse code on HF, I think it is inevitable that code testing will eventually end. The question now is when and how that will happen. At this point, we can only guess.

Dwight Stewart (W5NET)

http://www.qsl.net/w5net/

```
From 5738523858447272317
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7be90a9065cf890e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,7be90a9065cf890e,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 1109af,7be90a9065cf890e,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1156cd,7be90a9065cf890e,start
X-Google-Attributes: gid1156cd,public
X-Google-Thread: f76e2,7be90a9065cf890e,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2003-12-30 18:29:46 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!news-out.visi.com!petbe.visi.com!newsfeeds-atl2!
news.webusenet.com!pc01.webusenet.com!fe01.POSTED!53ab2750!not-for-mail
From: "Daniel W4ADT" <danielw4adt@alltel.net>
Newsgroups: alabama.birmingham.radio.amateur,atl.forsale,rec.ham-radio,rec.ham-
radio.swap,rec.radio.swap
Subject: FOR SALE: Kenwood KSC-7 Rapid Charger
Lines: 9
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <swqIb.2$eu4.1@fe01>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Tue, 30 Dec 2003 21:29:44 EST
```

```
Date: Tue, 30 Dec 2003 21:26:33 -0500
Xref: archiver1.google.com alabama.birmingham.radio.amateur:844 rec.ham-
radio.swap:3628 rec.radio.swap:4982

FOR SALE : KSC-7 Kenwood Rapid Charger
Excellent Condition, will work with the following batteries:
Kenwood KSC-7 RAPID DESK CHARGER FOR PB-5,6,7,8
I am using it to charge my Kenwood TH-75A dualbander.
$60.00 shipped

Phone: 678-758-1298   Email: danielw4adt@alltel.net
```

```
From 1088587375322106896
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-ArrivalTime: 2004-01-01 10:06:19 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!sn-xit-03!sn-
xit-02!sn-xit-01!sn-post-02!sn-post-01!supernews.com!corp.supernews.com!not-for-
mail
From: nightsky <ron@roncrowley.dot.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
Followup-To: alt.ham-radio.vhf-uhf
Date: Thu, 01 Jan 2004 13:09:53 -0500
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <vv8ob756p517e3@corp.supernews.com>
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
User-Agent: KNode/0.7.2
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7Bit
X-Complaints-To: abuse@supernews.com
Lines: 76
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21422 rec.ham-radio.swap:3629
```

alt.ham-radio.hf:3913 rec.radio.amateur.swap:5276 rec.radio.swap:5028

Roland wrote:

<SNIP>
> 1) Back in the mid 50's we had to travel to an FCC office and pay a few
> bucks to take a supervised exam both written and International Morse
> code.
<MORE SNIP>
> Roland S Geter PhD - WB6LNA ex W2RPQ since 1954
> Madell M Geter RN - KD6QCH xyl since 1959
> roland@geter.org
>

Roland . . .

While my background is a whole lot less impressive, I do remember the 50's.

But, I never saw any fun in; hitchhiking 30 miles to the Customs House in Boston, filling out an application, walking around looking for a free Notary Public (I had no money when I was 16), and back again to wait my turn to take the test. With another trip to Boston to drop the N from my call! . . . I like the way it's done now.

My mode of choice became CW and as I increased my speed, could not afford a bug, so I made (and still use) a cootie key.

I do not want to see a no-code ham radio! For one reason, I fear that the CW bands will be changed or disappear altogether. I would like to see more CW users, and the only way for that to happen is with a code test. Some of those who learn code will find out how much fun it is.

What I find offensive, is the idea that the young people will bully their way into changing a old tradition to suit their "I deserve everything I want at no cost to me" lives. If CW were really dead, I would re-think my opinion.

5 wpm is very very easy!

Ron Crowley, retired tile artisan
W1WBV (the call issued to me in 1952 was WN1WBV)
XYL for 39 years - Pat, KB1FZM.

> Jim McDermott wrote:
>
>> Hamguy?!?! Who are YOU kidding?
>>
>> Let's see....we all had to mumble jibberish, before we talked. Learned
>> to
>> suck before we could eat. Learned to crawl before we could walk.
>>
>> What was your point?
>>

```
>> "Hamguy" <hamguy@arrl.net> wrote in message
>> news:zDUCb.11793$JW3.1413@twister.nyroc.rr.com...
>>
>>>Just because my Great Grandfather had to 'crank start' his car, we should
>>>ALL have to learn how to do it prior to driving. And his wife had to use
>>>a 'crank style' telephone, therefore we ALL should have to master that
>>>technology PRIOR to using a cell-phone just because they did.
>>>
>> Additionally,
>>
>>>we should ALL have to learn the computer language known as 'Basic' or
>>>'Fortran' PRIOR to using a PC because I and so many others had to learn
>>>
>> it.
>>
>>>And EVERYONE should be required to learn an antiquated mode known as CW
>>>before they get on HF because some 18th century guy invented it. Either
>>>catch-up with the times, or get the HELL out of the way!   Like it or
>>>not, CW is TOAST!
>>>
>>>
>>>
>>
>>
```

```
From -5932966144573892688
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4e0051019eb6f49d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,4e0051019eb6f49d
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: fddbf,4e0051019eb6f49d
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 1156cd,4e0051019eb6f49d
X-Google-Attributes: gid1156cd,public
X-Google-Thread: f76e2,4e0051019eb6f49d
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,4e0051019eb6f49d
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2004-01-03 12:27:41 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!c03.atl99!
news.webusenet.com!pc01.webusenet.com!fe10.usenetserver.com.POSTED!53ab2750!not-
for-mail
From: "Daniel W4ADT" <danielw4adt@alltel.net>
Newsgroups: alabama.birmingham.radio.amateur,atl.forsale,rec.ham-radio,rec.ham-
radio.packet,rec.ham-radio.swap,rec.radio.swap
References: <NXNGb.77$Vr.24@fe01>
Subject: 50 Channel Bearcat Scanner PRICE LOWERED!
Lines: 27
X-Priority: 3
X-MSMail-Priority: Normal
```

X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <1BFJb.125$X97.59@fe10.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Sat, 03 Jan 2004 15:27:41 EST
Date: Sat, 3 Jan 2004 15:24:22 -0500
Xref: archiver1.google.com alabama.birmingham.radio.amateur:846 rec.ham-radio.swap:3633 rec.radio.swap:5137

Uniden Bearcat BC248CLT Scanner 50 Channel Excellent Condition

There's a world of drama out there. And with the BC248CLT scanner, you can stay on top of the news as it happens. Tune into police, fire, weather, emergency, "ham", FRS, Military, Government, and more. 29 - 54MHz, 137 - 174MHz, 406 - 512MHz. The BC248CLT scanner brings together the finest engineering and styling plus all the quality that has made Uniden a legend among scanner enthusiast. The first scanner with integrated Alarm clock.
Features:
50 Channels You can program all of your favorite frequencies.
10 Bands Covers public service, ham, federal and military land mobile.
Review Feature Full frequency LCD display shows frequencies entered into each channel plus weather frequencies. Also includes an emergency weather alert feature.
Manual Channel Access Go directly to any channel without stepping through other channels
Channel Lockout This feature allows you to skip over channels you currently don't want to hear.
Clock/Alarm Displays time and features any button snooze

$65.00 + $10.00 shipping

Call Daniel 678-758-1298 or email danielw4adt@alltel.net

From -170123759192593579
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ae7f7f692a1bcc3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,6ae7f7f692a1bcc3,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 1109af,6ae7f7f692a1bcc3,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,6ae7f7f692a1bcc3,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 112862,6ae7f7f692a1bcc3,start
X-Google-Attributes: gid112862,public

```
X-Google-ArrivalTime: 2004-01-04 10:04:17 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!
easynews.com!easynews!c03.atl99!news.webusenet.com!pc01.webusenet.com!
fe01.usenetserver.com.POSTED!53ab2750!not-for-mail
From: "Daniel W4ADT" <danielw4adt@alltel.net>
Newsgroups: alabama.birmingham.radio.amateur,ga.forsale,rec.ham-radio,rec.ham-
radio.swap,rec.radio.swap
Subject: WANTED HF RIG - HAM RADIO OPERATORS LISTEN UP!!
Lines: 19
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <BAYJb.212$Fz1.3@fe01.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Sun, 04 Jan 2004 13:04:17 EST
Date: Sun, 4 Jan 2004 13:00:55 -0500
Xref: archiver1.google.com alabama.birmingham.radio.amateur:848 ga.forsale:569
rec.ham-radio.swap:3636 rec.radio.swap:5168
```

Kenwood TS-850SAT, TS-140S, ETC.
Someone else started off their "wants" list this way, sounded good to me! If you have a spare HF rig that you are not using, thats in excellent condition, please send me via email your BEST PRICE SHIPPED - would also be helpful to include picture of what you have and accessories. Would like to stick with Kenwood, ICOM, Or Yaesu rigs. Must have antenna tuner built-in or have a external tuner. Mic is not needed as I have a Heil Goldline with mic cable for all listed rigs. Looking to purchase within the next few weeks so hurry please email and I will get back with you ASAP! RIG MUST BE IN EXCELLENT CONDITION BOTH ELECTRONICALLY AND COSMETICALLY!!

73 Daniel W4ADT
Shipping to 30548 In Georgia

Phone: 678-758-1298   Email: danielw4adt@alltel.net

```
From 5551979760967097734
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d20822634ba2e646,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,d20822634ba2e646,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 10aaeb,d20822634ba2e646,start
X-Google-Attributes: gid10aaeb,public
```

```
X-Google-Thread: f76e2,d20822634ba2e646,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 112862,d20822634ba2e646,start
X-Google-Attributes: gid112862,public
X-Google-ArrivalTime: 2004-01-04 18:52:15 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!news-out.visi.com!petbe.visi.com!newspeer.monmouth.com!
newshosting.com!news-xfer1.atl.newshosting.com!63.223.6.99.MISMATCH!c03.atl99!
news.webusenet.com!pc01.webusenet.com!fe01.usenetserver.com.POSTED!53ab2750!not-
for-mail
From: "Daniel W4ADT" <danielw4adt@alltel.net>
Newsgroups: alabama.birmingham.radio.amateur,ga.forsale,rec.ham-radio,rec.ham-
radio.swap,rec.radio.swap
Subject: FS: LX-1 Professional Studio Boom
Lines: 7
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <yj4Kb.348$Fz1.97@fe01.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Sun, 04 Jan 2004 21:52:14 EST
Date: Sun, 4 Jan 2004 21:48:51 -0500
Xref: archiver1.google.com alabama.birmingham.radio.amateur:849 ga.forsale:575
rec.ham-radio.swap:3637 rec.radio.swap:5201

LX-1 Prof. Studio Boom $85.00 + shipping also Heil HM-10 Mic $50.00 +
shipping. NO PERSONAL CHECKS, MONEY ORDER.
PAYPAL (FEE HAS TO BE ADDED SINCE PAYPAL CHARGES ME!)
MUST CALL 678-758-1298
73 Daniel W4ADT




From 2137306711687510483
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d20822634ba2e646
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,d20822634ba2e646
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 1109af,d20822634ba2e646
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,d20822634ba2e646
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 112862,d20822634ba2e646
X-Google-Attributes: gid112862,public
X-Google-ArrivalTime: 2004-01-04 19:25:15 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!elnk-pas-nf1!
elnk-nf2-pas!newsfeed.earthlink.net!attbi_feed4!attbi.com!attbi_s02.POSTED!not-
```

```
for-mail
From: "ergo" <ergo99@comcast.net>
Newsgroups: alabama.birmingham.radio.amateur,ga.forsale,rec.ham-radio,rec.ham-
radio.swap,rec.radio.swap
References: <yj4Kb.348$Fz1.97@fe01.usenetserver.com>
Subject: Re: LX-1 Professional Studio Boom
Lines: 14
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <tO4Kb.62026$xX.398205@attbi_s02>
NNTP-Posting-Host: 24.5.57.245
X-Complaints-To: abuse@comcast.net
X-Trace: attbi_s02 1073273113 24.5.57.245 (Mon, 05 Jan 2004 03:25:13 GMT)
NNTP-Posting-Date: Mon, 05 Jan 2004 03:25:13 GMT
Organization: Comcast Online
Date: Mon, 05 Jan 2004 03:25:14 GMT
Xref: archiver1.google.com alabama.birmingham.radio.amateur:850 ga.forsale:577
rec.ham-radio.swap:3638 rec.radio.swap:5203

Of course paypal charges you. You are getting the cash!!!!

"Daniel W4ADT" <danielw4adt@alltel.net> wrote in message
news:yj4Kb.348$Fz1.97@fe01.usenetserver.com...
> LX-1 Prof. Studio Boom $85.00 + shipping also Heil HM-10 Mic $50.00 +
> shipping. NO PERSONAL CHECKS, MONEY ORDER.
> PAYPAL (FEE HAS TO BE ADDED SINCE PAYPAL CHARGES ME!)
> MUST CALL 678-758-1298
> 73 Daniel W4ADT
>
>
>




From 2572734716732200324
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,840e610987a403b1,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,840e610987a403b1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,840e610987a403b1,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,840e610987a403b1,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2004-01-18 07:16:00 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!news.tele.dk!
news.tele.dk!small.news.tele.dk!feed.cgocable.net!read2.cgocable.net.POSTED!
53ab2750!not-for-mail
From: "jp" <riveroaksguy@yahoo.ca>
Newsgroups: alt.ham-radio.marketplace,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.ham-
```

```
radio.swap
Subject: for sale icom ic2100h  like new with box,manual,dtmf mic, bracket @ cable
Lines: 16
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <OqxOb.2508$NH6.66627@read2.cgocable.net>
Date: Sun, 18 Jan 2004 10:15:59 -0500
NNTP-Posting-Host: 24.141.139.96
X-Complaints-To: abuse@cogeco.ca
X-Trace: read2.cgocable.net 1074438958 24.141.139.96 (Sun, 18 Jan 2004 10:15:58
EST)
NNTP-Posting-Date: Sun, 18 Jan 2004 10:15:58 EST
Organization: Cogeco Cable
Xref: archiver1.google.com alt.ham-radio.marketplace:15755 alt.ham-radio.vhf-
uhf:21796 rec.ham-radio.swap:3658

in like new condition, never mounted in mobile situation.
icom ic2100h with bracket, manual,cable, box.

this has all the bells and whistles.
Presently goes all the way down to 136mhz i think.
alpha numeric display in orange or green, 4 step brightness display. call
channel button, numerous search ranges.



150.00US + 15US for shipping

thanks
riveoaksguy@yahoo.ca




From 4859060461899525246
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5,start
X-Google-Attributes: gid109013,public
X-Google-Thread: fcc6e,4a97f446003c28c5,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f7796,4a97f446003c28c5,start
X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2004-01-21 10:06:39 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!zeus.visi.com!news-out.visi.com!green.octanews.net!
news.octanews.net!news-xfer.cox.net!peer01.cox.net!cox.net!bigfeed.bellsouth.net!
bignumb.bellsouth.net!news.bellsouth.net!bignews6.bellsouth.net.POSTED!not-for-
mail
From: "Lloyd Mitchell" <lloydm75@hotmail.com>
```

Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.radio.amateur.antenna
Subject: ARRL Propose New License Class & Code-Free HF Access
Lines: 98
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <X3tPb.32995$2L6.7688@bignews6.bellsouth.net>
X-Trace:
ofjmidbaofeaohdodbdpiflmbcekedmfhojhikkbagflhcbokocebkkakdljpniiojcogabekbdolcnkchnphnkmeadojgammlhghlakmlallgjfakngmmneimggmmdknempihbfjhhchakmfgnmggkijnnclbgp
NNTP-Posting-Date: Wed, 21 Jan 2004 06:07:35 EST
Date: Wed, 21 Jan 2004 06:09:29 -0500
Xref: archiver1.google.com rec.radio.amateur.antenna:5952

SB QST @ ARL $ARLB003
ARLB003 ARRL to Propose New Entry-Level License, Code-Free HF Access

ZCZC AG03
QST de W1AW
ARRL Bulletin 3 ARLB003
>From ARRL Headquarters
Newington CT January 20, 2004
To all radio amateurs

SB QST ARL ARLB003
ARLB003 ARRL to Propose New Entry-Level License, Code-Free HF Access

The ARRL will ask the FCC to create a new entry-level Amateur Radio license that would include HF phone privileges without requiring a Morse code test. The League also will propose consolidating all current licensees into three classes, retaining the Element 1 Morse requirement--now 5 WPM-only for the highest class. The ARRL Board of Directors overwhelmingly approved the plan January 16 during its Annual Meeting in Windsor, Connecticut. The proposals--developed by the ARRL Executive Committee following a Board instruction last July--are in response to changes made in Article 25 of the international Radio Regulations at World Radiocommunication Conference 2003 (WRC-03). They would continue a process of streamlining the amateur licensing structure that the FCC began more than five years ago but left unfinished in the Amateur Service license restructuring Report and Order (WT 98-143) that went into effect April 15, 2000.

''Change in the Amateur Radio Service in the US, especially license requirements and even more so when Morse is involved, has always been emotional,'' said ARRL First Vice President Joel Harrison, W5ZN, in presenting the Executive Committee's recommendations. ''In fact, without a doubt, Morse is Amateur Radio's 'religious debate.'''

The entry-level license class--being called ''Novice'' for now--would require a 25-question written exam. It would offer limited HF

CW/data and phone/image privileges on 80, 40, 15 and 10 meters as well as VHF and UHF privileges on 6 and 2 meters and on 222-225 and 430-450 MHz. Power output would be restricted to 100 W on 80, 40, and 15 meters and to 50 W on 10 meters and up.

''The Board sought to achieve balance in giving new Novice licensees the opportunity to sample a wider range of Amateur Radio activity than is available to current Technicians while retaining a motivation to upgrade,'' said ARRL CEO David Sumner, K1ZZ. Under the ARRL plan, current Novice licensees--now the smallest and least active group of radio amateurs--would be grandfathered to the new entry-level class without further testing.

The middle group of licensees--Technician, Tech Plus (Technician with Element 1 credit) and General--would be merged into a new General license that also would not require a Morse examination. Current Technician and Tech Plus license holders automatically would gain current General class privileges without additional testing. The current Element 3 General examination would remain in place for new applicants.

The Board indicated that it saw no compelling reason to change the Amateur Extra class license requirements. The ARRL plan calls on the FCC to combine the current Advanced and Amateur Extra class licensees into Amateur Extra, because the technical level of the exams passed by these licensees is very similar. New applicants for Extra would have to pass a 5 WPM Morse code examination, but the written exam would stay the same. Sumner said the Board felt that the highest level of accomplishment should include basic Morse capability. Current Novice, Tech Plus and General licensees would receive lifetime 5 WPM Morse credit.

''This structure provides a true entry-level license with HF privileges to promote growth in the Amateur Service,'' Harrison said.

Among other advantages, Sumner said the plan would allow new Novices to participate in HF SSB emergency nets on 75 and 40 meters as well as on the top 100 kHz of 15 meters. The new license also could get another name, Sumner said. ''We're trying to recapture the magic of the old Novice license, but in a manner that's appropriate for the 21st century.''

The overall proposed ARRL license restructuring plan would more smoothly integrate HF spectrum privileges across the three license classes and would incorporate the ''Novice refarming'' plan the League put forth nearly two years ago in a Petition for Rule Making (RM-10413). The FCC has not yet acted on the ARRL plan, which would alter current HF subbands.

The ARRL license restructuring design calls for no changes in privileges for Extra and General class licensees on 160, 60, 30, 20, 17 or 12 meters. Novice licensees would have no access to those bands.

See ''ARRL to Propose New Entry-Level License, Code-Free HF Access''
on the ARRL Web site, www.arrl.org/news/stories/2004/01/19/1/, for
the specific subband allocations ARRL is proposing for each class.
NNNN
/EX

From -8750413949904363101
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2004-01-21 12:34:48 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!news-out1.nntp.be!propagator2-sterling!news-in-sterling.newsfeed.com!pd7cy2so!shaw.ca!
border1.nntp.ash.giganews.com!border2.nntp.sjc.giganews.com!
border1.nntp.sjc.giganews.com!nntp.giganews.com!local1.nntp.sjc.giganews.com!
nntp.cwis.net!news.cwis.net.POSTED!not-for-mail
NNTP-Posting-Date: Wed, 21 Jan 2004 14:34:43 -0600
Message-ID: <400EE264.97B86A9B@cwis.net>
Date: Wed, 21 Jan 2004 14:34:44 -0600
From: 'Doc <w5lz@cwis.net>
X-Mailer: Mozilla 4.79 [en]C-CCK-MCD NSCPCD479 (Windows NT 5.0; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
References: <X3tPb.32995$2L6.7688@bignews6.bellsouth.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 41
NNTP-Posting-Host: 65.38.25.79
X-Trace: sv3-thPKFMZTaQgmQLurK+BjSmjPEHezjSVVdGZ/
jgO+QHxRPWA9ldCUXBIojNwlyEHYjctMi/3IXxB+YLv!
WeuIBiaPjdlVx78zk1gmpqCAwxX7loRFezgufa61Hc6fmrrrteZ3hXmjdg==
X-Complaints-To: abuse@cwis.net
X-DMCA-Complaints-To: abuse@cwis.net
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint properly
X-Postfilter: 1.1
Xref: archiver1.google.com rec.radio.amateur.antenna:5960

Gee... I thought the last restructuring was to streamline the license classes, get rid of the under utilized 'entry' class license(s), simplify things. Wasn't that the reasoning? Now here we go 'cluttering' it up again.

Lets see, an 'entry' class license is to 'give people a taste' of ham radio, see if they like it, sort of an 'easy start' license, right? Seems like I've heard of that before (a few times, actually). Wasn't that what a couple of the licenses that got dumped in the last restructuring were? And by all means, lets give that 'entry' license a glitzy name so no one will recognize it for what it is, wouldn't want to make it obvious, would we? Make it easy for others to distinguish between them and the other licensee's? I mean, you wouldn't want to be able to 'point a finger' at operators who are out of bounds, for instance.

To me, an 'entry' class license shouldn't be 'for ever', there should be a reason to up-grade, right? How about making it for a limited duration, and non-renewable? Hmmm, where have I heard that before? (But you know what, it worked! Oh well, that's a good reason not to do it that way again, isn't it?)

What's the matter 'Mr. ARRL'? Not getting that 'huge' influx of new hams to buy your magazine? Don't you ever learn anything? How about doing what you're supposed to be doing? Hey, that would be a refreshing change!

'Doc

```
From 6951912820749068018
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2004-01-21 15:26:25 PST
```

From: "Jim" <NN7K@Reno.Rmci.Net>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Date: Wed, 21 Jan 2004 15:26:29 -0800
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <100u2kv7qrcmdc5@corp.supernews.com>
References: <X3tPb.32995$2L6.7688@bignews6.bellsouth.net>
<400EE264.97B86A9B@cwis.net>
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
X-Complaints-To: abuse@supernews.com
Lines: 62
Path: archiver1.google.com!news2.google.com!fu-berlin.de!feed.ac-versailles.fr!freenix!sn-xit-02!sn-xit-01!sn-post-01!supernews.com!corp.supernews.com!not-for-mail
Xref: archiver1.google.com rec.radio.amateur.antenna:5966

Pretty much agree with Doc, altho, after the last "restructureing", the
value of a
license is worthless! And now, the league wants to degrade it even more ??
Why even have a test?? Just issue licenses on the back of cereal boxes, or
inside
Cracker Jack boxes, or like about 45 years ago, when Popular Electronics
issued
their SWL calls (Think mine was WPE7AYQ) !! Or, even better: Lets auction
off
ALL THE SPECTRUM, for amateur bands to the highest bidders, and balance our
federal
deficit! Then we can ALL share the blissful 40 channels in the eleven meter
band!!
Maybe, also all those free band channels, up to, and sometimes includeing
the CW segment
of 10 meters!! Yeh, that the (pardon the pun) TICKET !!   NN7K Jim

"'Doc" <w5lz@cwis.net> sent:
>   Gee... I thought the last restructuring was to streamline
> the license classes, get rid of the under utilized 'entry'
> class license(s), simplify things. Wasn't that the reasoning?
> Now here we go 'cluttering' it up again.
>   Lets see, an 'entry' class license is to 'give people a
> taste'
> of ham radio, see if they like it, sort of an 'easy start'
> license,
> right? Seems like I've heard of that before (a few times,
> actually).
> Wasn't that what a couple of the licenses that got dumped in the
> last restructuring were? And by all means, lets give that

```
> 'entry'
> license a glitzy name so no one will recognize it for what it
> is,
> wouldn't want to make it obvious, would we?  Make it easy for
> others
> to distinguish between them and the other licensee's?  I mean,
> you
> wouldn't want to be able to 'point a finger' at operators who
> are
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>    To me, an 'entry' class license shouldn't be 'for ever',
> there
> should be a reason to up-grade, right?  How about making it for
> a
> limited duration, and non-renewable?  Hmmm, where have I heard
> that
> before?  (But you know what, it worked!  Oh well, that's a good
> reason
> not to do it that way again, isn't it?)
>    What's the matter 'Mr. ARRL'?  Not getting that 'huge' influx
> of
> new hams to buy your magazine?  Don't you ever learn anything?
> How
> about doing what you're supposed to be doing?  Hey, that would
> be a
> refreshing change!
>                                 'Doc




From -96781687372327346
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2004-01-21 16:22:28 PST
Date: Wed, 21 Jan 2004 18:19:04 -0600
From: Cecil Moore <Cecil.A.Moore@ieee.ONEDOT.org>
User-Agent: Mozilla/5.0 (Windows; U; Win 9x 4.90; en-US; rv:1.4) Gecko/20030624
Netscape/7.1 (ax)
X-Accept-Language: en-us, en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-
radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
References: <X3tPb.32995$2L6.7688@bignews6.bellsouth.net>
<400EE264.97B86A9B@cwis.net> <100u2kv7qrcmdc5@corp.supernews.com>
```

In-Reply-To: <100u2kv7qrcmdc5@corp.supernews.com>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
NNTP-Posting-Host: 209.223.249.47
Message-ID: <400f17ae_8@corp.newsgroups.com>
X-Trace: corp.newsgroups.com 1074730926 209.223.249.47 (21 Jan 2004 18:22:06 -0600)
Lines: 17
X-Comments: This message was posted through <A href
X-Comments2: IMPORTANT: Newsfeed.com does not condone,
X-Report: Please report illegal or inappropriate use to
X-Comments3: <A href ="http://www.newsgroups.com">Visit
Organization: Newsfeeds.com http://www.newsfeeds.com 100,000+ UNCENSORED Newsgroups.
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!news-out2.nntp.be!local!corp.newsgroups.com!not-for-mail
Xref: archiver1.google.com rec.radio.amateur.antenna:5969

Jim wrote:
> Pretty much agree with Doc, altho, after the last "restructureing", the
> value of a license is worthless!

The only value in a license are the privileges granted. The privileges granted haven't changed appreciably. I had full access to all ham bands in 1953 and I still have full access to all ham bands in 2004. I lost 11m and 220 MHz but gained the WARC bands. The value of my license is very close to what it was in 1953.
--
73, Cecil   http://www.qsl.net/w5dxp

-----= Posted via Newsfeeds.Com, Uncensored Usenet News =-----
http://www.newsfeeds.com - The #1 Newsgroup Service in the World!
-----== Over 100,000 Newsgroups - 19 Different Servers! =-----

From -5378489584595264272
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2004-01-21 20:46:15 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!news-out1.nntp.be!propagator2-sterling!news-in-sterling.newsfeed.com!news.infoave.net!not-for-mail
From: "W4JLE" <w4jle(remove to reply)@pbtcomm.net>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-

```
radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Date: Wed, 21 Jan 2004 23:46:12 -0500
Organization: Info Avenue Internet Services, LLC
Lines: 19
Message-ID: <bunkil$anfr$1@news3.infoave.net>
References: <X3tPb.32995$2L6.7688@bignews6.bellsouth.net>
<400EE264.97B86A9B@cwis.net> <100u2kv7qrcmdc5@corp.supernews.com>
<cr7u00pt2511q28md761fa5fagspac5kg8@4ax.com>
NNTP-Posting-Host: 64.53.62.88
X-Trace: news3.infoave.net 1074746775 351739 64.53.62.88 (22 Jan 2004 04:46:15
GMT)
X-Complaints-To: abuse@infoave.net
NNTP-Posting-Date: Thu, 22 Jan 2004 04:46:15 +0000 (UTC)
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Xref: archiver1.google.com rec.radio.amateur.antenna:5974

We will determine the true worth, when the next set of rule changes,  will
allow ARRL to auction licenses on E-Bay.

"Bill Turner" <noway@nohow.com> wrote in message
news:cr7u00pt2511q28md761fa5fagspac5kg8@4ax.com...
> On Wed, 21 Jan 2004 15:26:29 -0800, "Jim" <NN7K@Reno.Rmci.Net> wrote:
>
> >the value of a license is worthless!
>
> ---------------------------------------------------------
>
> Until you get hauled into court for transmitting without one.  Then
> you'd find it quite worthwhile.
>
> --
> Bill, W6WRT
>




From -6342170064099242425
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2004-01-22 18:11:21 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!newshub.sdsu.edu!
```

elnk-nf2-pas!elnk-pas-nf1!newsfeed.earthlink.net!pd7cy1no!shaw.ca!
border1.nntp.ash.giganews.com!border2.nntp.sjc.giganews.com!
border1.nntp.sjc.giganews.com!nntp.giganews.com!local1.nntp.sjc.giganews.com!
nntp.comcast.com!news.comcast.com.POSTED!not-for-mail
NNTP-Posting-Date: Thu, 22 Jan 2004 20:11:17 -0600
From: "CW" <clinton.magers@comcast.net>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.radio.amateur.antenna
References: <X3tPb.32995$2L6.7688@bignews6.bellsouth.net>
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Date: Thu, 22 Jan 2004 18:11:18 -0800
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <fZWdnUTgvb9YH43d4p2dnA@comcast.com>
Lines: 108
NNTP-Posting-Host: 24.18.14.127
X-Trace: sv3-EbMdWLwuah+5vlryAGJhbzPd9jjstkYoclqZk+5p3n2DPy9BatxlqxaYuu8ULC8lgVUDjR6Q1j8C7pd!g29eH072k2zz/BM/c+RXNLAvufVB50IaFVbQRBvr7I7LWmjcxZEs4XbD80Yx
X-Complaints-To: abuse@comcast.net
X-DMCA-Complaints-To: dmca@comcast.net
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint properly
X-Postfilter: 1.1
Xref: archiver1.google.com rec.radio.amateur.antenna:6022

To avoid all the pissing and moaning on an individual basis, everyone stand up and say, in unison, "I had to take the code test so should everyone else, boo hoo hoo".

"Lloyd Mitchell" <lloydm75@hotmail.com> wrote in message
news:X3tPb.32995$2L6.7688@bignews6.bellsouth.net...
> SB QST @ ARL $ARLB003
> ARLB003 ARRL to Propose New Entry-Level License, Code-Free HF Access
>
> ZCZC AG03
> QST de W1AW
> ARRL Bulletin 3 ARLB003
> >From ARRL Headquarters
> Newington CT January 20, 2004
> To all radio amateurs
>
> SB QST ARL ARLB003
> ARLB003 ARRL to Propose New Entry-Level License, Code-Free HF Access
>
> The ARRL will ask the FCC to create a new entry-level Amateur Radio
> license that would include HF phone privileges without requiring a
> Morse code test. The League also will propose consolidating all

> current licensees into three classes, retaining the Element 1 Morse requirement--now 5 WPM-only for the highest class. The ARRL Board of Directors overwhelmingly approved the plan January 16 during its Annual Meeting in Windsor, Connecticut. The proposals--developed by the ARRL Executive Committee following a Board instruction last July--are in response to changes made in Article 25 of the international Radio Regulations at World Radiocommunication Conference 2003 (WRC-03). They would continue a process of streamlining the amateur licensing structure that the FCC began more than five years ago but left unfinished in the Amateur Service license restructuring Report and Order (WT 98-143) that went into effect April 15, 2000.
>
> ''Change in the Amateur Radio Service in the US, especially license requirements and even more so when Morse is involved, has always been emotional,'' said ARRL First Vice President Joel Harrison, W5ZN, in presenting the Executive Committee's recommendations. ''In fact, without a doubt, Morse is Amateur Radio's 'religious debate.'''
>
> The entry-level license class--being called ''Novice'' for now--would require a 25-question written exam. It would offer limited HF CW/data and phone/image privileges on 80, 40, 15 and 10 meters as well as VHF and UHF privileges on 6 and 2 meters and on 222-225 and 430-450 MHz. Power output would be restricted to 100 W on 80, 40, and 15 meters and to 50 W on 10 meters and up.
>
> ''The Board sought to achieve balance in giving new Novice licensees the opportunity to sample a wider range of Amateur Radio activity than is available to current Technicians while retaining a motivation to upgrade,'' said ARRL CEO David Sumner, K1ZZ. Under the ARRL plan, current Novice licensees--now the smallest and least active group of radio amateurs--would be grandfathered to the new entry-level class without further testing.
>
> The middle group of licensees--Technician, Tech Plus (Technician with Element 1 credit) and General--would be merged into a new General license that also would not require a Morse examination. Current Technician and Tech Plus license holders automatically would gain current General class privileges without additional testing. The current Element 3 General examination would remain in place for new applicants.
>
> The Board indicated that it saw no compelling reason to change the Amateur Extra class license requirements. The ARRL plan calls on the FCC to combine the current Advanced and Amateur Extra class licensees into Amateur Extra, because the technical level of the exams passed by these licensees is very similar. New applicants for Extra would have to pass a 5 WPM Morse code examination, but the written exam would stay the same. Sumner said the Board felt that the highest level of accomplishment should include basic Morse capability. Current Novice, Tech Plus and General licensees would receive lifetime 5 WPM Morse credit.
>
>

> ''This structure provides a true entry-level license with HF
> privileges to promote growth in the Amateur Service,'' Harrison said.
>
> Among other advantages, Sumner said the plan would allow new Novices
> to participate in HF SSB emergency nets on 75 and 40 meters as well
> as on the top 100 kHz of 15 meters. The new license also could get
> another name, Sumner said. ''We're trying to recapture the magic of
> the old Novice license, but in a manner that's appropriate for the
> 21st century.''
>
> The overall proposed ARRL license restructuring plan would more
> smoothly integrate HF spectrum privileges across the three license
> classes and would incorporate the ''Novice refarming'' plan the League
> put forth nearly two years ago in a Petition for Rule Making
> (RM-10413). The FCC has not yet acted on the ARRL plan, which would
> alter current HF subbands.
>
> The ARRL license restructuring design calls for no changes in
> privileges for Extra and General class licensees on 160, 60, 30, 20,
> 17 or 12 meters. Novice licensees would have no access to those
> bands.
>
> See ''ARRL to Propose New Entry-Level License, Code-Free HF Access''
> on the ARRL Web site, www.arrl.org/news/stories/2004/01/19/1/, for
> the specific subband allocations ARRL is proposing for each class.
> NNNN
> /EX
>
>

From 5364627344939746522
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2004-01-23 17:01:02 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!news-rtr.nyroc.rr.com!news-out.nyroc.rr.com!twister.nyroc.rr.com.POSTED!53ab2750!not-for-mail
From: Bob McConnell <rmcconne@NOSPAM.lightlink.com>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Organization: Not in this lifetime
Message-ID: <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com>

References: <X3tPb.32995$2L6.7688@bignews6.bellsouth.net>
<400EE264.97B86A9B@cwis.net> <100u2kv7qrcmdc5@corp.supernews.com>
<400f17ae_8@corp.newsgroups.com>
X-Newsreader: Forte Agent 1.93/32.576 English (American)
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 32
Date: Sat, 24 Jan 2004 01:00:49 GMT
NNTP-Posting-Host: 24.59.108.87
X-Complaints-To: abuse@rr.com
X-Trace: twister.nyroc.rr.com 1074906049 24.59.108.87 (Fri, 23 Jan 2004 20:00:49 EST)
NNTP-Posting-Date: Fri, 23 Jan 2004 20:00:49 EST
Xref: archiver1.google.com rec.radio.amateur.antenna:6044

On Wed, 21 Jan 2004 18:19:04 -0600, Cecil Moore
<Cecil.A.Moore@ieee.ONEDOT.org> wrote:

>Jim wrote:
>> Pretty much agree with Doc, altho, after the last "restructureing", the
>> value of a license is worthless!
>
>The only value in a license are the privileges granted. The privileges
>granted haven't changed appreciably. I had full access to all ham bands
>in 1953 and I still have full access to all ham bands in 2004. I lost
>11m and 220 MHz but gained the WARC bands. The value of my license is
>very close to what it was in 1953.

Unfortunately, there are far too many for whom the value of their
license is measured in how many people it allows them to look down
their noses at. Their only motivation for moving up was so they could
gloat over how much better they are than anyone that isn't up to their
standards. This is also the primary reason that contests and awards
are rubbed in our faces in most of the magazines and newsletters. This
is the crowd the ARRL has been cutivating for years, because they
don't care about advancing the state of the art, or building their own
equipment, helping others, or any of the other aspects of the hobby
that used to make it great. They simply want to buy the newest,
coolest, fanciest or most expensive rig to help them along on their
ego trip, which keeps the advertisers happy.

Somebody let me know when QST no longer has any contests or award
notices in it. Then I *might* be interested in looking at it again.

Bob McConnell
N2SPP

From 2650669579288613146
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2004-01-23 17:14:12 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!news-out.visi.com!petbe.visi.com!nntp5.savvis.net!
news.infoave.net!not-for-mail
From: "W4JLE" <w4jle(remove to reply)@pbtcomm.net>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Date: Fri, 23 Jan 2004 20:13:37 -0500
Organization: Info Avenue Internet Services, LLC
Lines: 38
Message-ID: <busgsf$d77b$1@news3.infoave.net>
References: <X3tPb.32995$2L6.7688@bignews6.bellsouth.net>
<400EE264.97B86A9B@cwis.net> <100u2kv7qrcmdc5@corp.supernews.com>
<400f17ae_8@corp.newsgroups.com> <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com>
NNTP-Posting-Host: 64.53.62.88
X-Trace: news3.infoave.net 1074906831 433387 64.53.62.88 (24 Jan 2004 01:13:51 GMT)
X-Complaints-To: abuse@infoave.net
NNTP-Posting-Date: Sat, 24 Jan 2004 01:13:51 +0000 (UTC)
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Xref: archiver1.google.com rec.radio.amateur.antenna:6047

I disagree with your premise Bob, I hope that you are not so insecure with your manhood that you would find the success of others a threat.

Many of us older farts strive for excellence, we use various means to measure how we compare to others. Do not confuse pride in accomplishment with ego.

In spite of what the feel good types tell you, competition is a basic human instinct. Keeping score is the way to quantify the competition.

To distain the accomplishments of others as "ego" is both supercilious and lacking in the basic understanding of the human condition.

"Bob McConnell" <rmcconne@NOSPAM.lightlink.com> wrote in message news:ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com...
> On Wed, 21 Jan 2004 18:19:04 -0600, Cecil Moore

> Unfortunately, there are far too many for whom the value of their
> license is measured in how many people it allows them to look down
> their noses at. Their only motivation for moving up was so they could

> gloat over how much better they are than anyone that isn't up to their
> standards. This is also the primary reason that contests and awards
> are rubbed in our faces in most of the magazines and newsletters. This
> is the crowd the ARRL has been cutivating for years, because they
> don't care about advancing the state of the art, or building their own
> equipment, helping others, or any of the other aspects of the hobby
> that used to make it great. They simply want to buy the newest,
> coolest, fanciest or most expensive rig to help them along on their
> ego trip, which keeps the advertisers happy.
>
> Somebody let me know when QST no longer has any contests or award
> notices in it. Then I *might* be interested in looking at it again.
>
> Bob McConnell
> N2SPP
>

From -1018634096201838336
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2004-01-23 20:03:40 PST
Date: Fri, 23 Jan 2004 22:00:20 -0600
From: Cecil Moore <Cecil.A.Moore@ieee.ONEDOT.org>
User-Agent: Mozilla/5.0 (Windows; U; Win 9x 4.90; en-US; rv:1.4) Gecko/20030624 Netscape/7.1 (ax)
X-Accept-Language: en-us, en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
References: <X3tPb.32995$2L6.7688@bignews6.bellsouth.net>
<400EE264.97B86A9B@cwis.net> <100u2kv7qrcmdc5@corp.supernews.com>
<400f17ae_8@corp.newsgroups.com> <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com>
In-Reply-To: <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
NNTP-Posting-Host: 209.223.249.21
Message-ID: <4011ee8d$1_6@corp.newsgroups.com>
X-Trace: corp.newsgroups.com 1074917005 209.223.249.21 (23 Jan 2004 22:03:25 -0600)
Lines: 14
X-Comments: This message was posted through <A href
X-Comments2: IMPORTANT: Newsfeed.com does not condone,

```
X-Report: Please report illegal or inappropriate use to
X-Comments3: <A href ="http://www.newsgroups.com">Visit
Organization: Newsfeeds.com http://www.newsfeeds.com 100,000+ UNCENSORED
Newsgroups.
Path: archiver1.google.com!news2.google.com!fu-berlin.de!news-out.superfeed.net!
corp.newsgroups.com!not-for-mail
Xref: archiver1.google.com rec.radio.amateur.antenna:6052

Bob McConnell wrote:
> Unfortunately, there are far too many for whom the value of their
> license is measured in how many people it allows them to look down
> their noses at.

At 6'4", I don't usually need a ham license for that. :-)
--
73, Cecil   http://www.qsl.net/w5dxp




-----= Posted via Newsfeeds.Com, Uncensored Usenet News =-----
http://www.newsfeeds.com - The #1 Newsgroup Service in the World!
-----==  Over 100,000 Newsgroups - 19 Different Servers! =-----



From 6978510259589332863
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,d2d6310886fe7f72,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,d2d6310886fe7f72,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 112862,d2d6310886fe7f72,start
X-Google-Attributes: gid112862,public
X-Google-Thread: f76e2,d2d6310886fe7f72,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,d2d6310886fe7f72,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1156cd,d2d6310886fe7f72,start
X-Google-Attributes: gid1156cd,public
X-Google-ArrivalTime: 2004-01-24 16:41:45 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!zeus.visi.com!news-out.visi.com!petbe.visi.com!newsfeeds-atl2!
news.webusenet.com!pc01.usenetserver.com!fe02.usenetserver.com.POSTED!53ab2750!
not-for-mail
From: "Daniel W4ADT" <danielw4adt@alltel.net>
Newsgroups: alt.ham-radio.marketplace,atl.forsale,ga.forsale,rec.ham-
radio,rec.ham-radio.swap,rec.radio.swap
Subject: FS: GARMIN GPS III +
Lines: 9
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <chEQb.6292$dF4.5794@fe02.usenetserver.com>
```

```
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Sat, 24 Jan 2004 19:41:44 EST
Date: Sat, 24 Jan 2004 19:41:25 -0500
Xref: archiver1.google.com alt.ham-radio.marketplace:15858 ga.forsale:779 rec.ham-
radio.swap:3712 rec.radio.swap:6177
```

Garmin GPS III + - Excellent condition, Owners Manual, PC cable to download map, DC cord to avoid using batterys (will plug into your car lighter) also will include COPY of Mapsource Roads and Recreation Version 3.0 - Also will include nice carrying case.$289.00 shipped CONUS
Must call for this deal!!
678-758-1298
73 Daniel W4ADT

```
From 6286169701130666363
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2004-01-24 18:42:05 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!news-
rtr.nyroc.rr.com!news-out.nyroc.rr.com!twister.nyroc.rr.com.POSTED!53ab2750!not-
for-mail
From: Bob McConnell <rmcconne@NOSPAM.lightlink.com>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-
radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Organization: Not in this lifetime
Message-ID: <as5610dhs97aupcrd5f8a2ts2ilj3qp0cf@4ax.com>
References: <X3tPb.32995$2L6.7688@bignews6.bellsouth.net>
<400EE264.97B86A9B@cwis.net> <100u2kv7qrcmdc5@corp.supernews.com>
<400f17ae_8@corp.newsgroups.com> <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com>
<busgsf$d77b$1@news3.infoave.net>
X-Newsreader: Forte Agent 1.93/32.576 English (American)
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 84
Date: Sun, 25 Jan 2004 02:41:54 GMT
NNTP-Posting-Host: 24.59.108.87
X-Complaints-To: abuse@rr.com
X-Trace: twister.nyroc.rr.com 1074998514 24.59.108.87 (Sat, 24 Jan 2004 21:41:54
```

EST)
NNTP-Posting-Date: Sat, 24 Jan 2004 21:41:54 EST
Xref: archiver1.google.com rec.radio.amateur.antenna:6072

I have very little problem with my manhood. I have a son with a Master of Music (Education) that is a respected teacher. He has a lovely wife and three wonderful children. I have a daughter with an accounting degree that manages a billing department responsible for preparing invoices totalling nearly $30M last year. I have another son at Fort Brag NC in special forces training, and a third son learning the construction business from the ground up. I survived 2 trips to Vietnam on a US Navy destroyer. My wife (also a Navy veteran) and I are approaching our 31st wedding aniversary. Any of these acomplishments are far and away more important than any award or recognition available from amateur radio.

My problem, due to a number of hams of all ages I have met both in this area and elsewhere, are those that use their ticket, awards, contest status or shack as their primary means of identifying who they are and how necessary they are to the hobby. Maybe they never learned what is important, or just don't have a life. Maybe that's what all Ivy Leaguers are like (most of these are from Cornell). But they sure seem to be in the majority in this hobby. And it appears that most of what the ARRL has done in the past several decades was simply to encourage them with more wallpaper to brag about.

Yes, I know there are others out there that are more like you claim to be, and without them, this hobby probably would have died out years ago. But around here they are few and far between. I know of at least two clubs in this area that don't have any. (Actually, one of them did have two, but one got called up and sent to Iraq two years ago. Then the other got frustrated and left the club.) Neither of those clubs does any public service events, offer any classes or do any demonstrations or open houses. Their planning for field day sounds more like preparation for war, and outsiders are not welcome. They are so self centered, that they won't even talk to newcomers until they know how they stack up. That means they still won't talk to some of us that have intermittantly attended their meetings for over three years. I know of three hams that flat refuse to attend their meetings any more. One of them sold all of his VHF and UHF gear so he wouldn't even have to listen to them on the air. He focuses entirely on HF DX.

I hope conditions are better in your area.

Bob McConnell
N2SPP

On Fri, 23 Jan 2004 20:13:37 -0500, "W4JLE" <w4jle(remove to reply)@pbtcomm.net> wrote:

>I disagree with your premise Bob, I hope that you are not so insecure with
>your manhood that you would find the success of others a threat.
>

```
>Many of us older farts strive for excellence, we use various means to
>measure how we compare to others. Do not confuse pride in accomplishment
>with ego.
>
>In spite of what the feel good types tell you, competition is a basic human
>instinct. Keeping score is the way to quantify the competition.
>
>To distain the accomplishments of others as "ego" is both supercilious and
>lacking in the basic understanding of the human condition.
>
>"Bob McConnell" <rmcconne@NOSPAM.lightlink.com> wrote in message
>news:ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com...
>> On Wed, 21 Jan 2004 18:19:04 -0600, Cecil Moore
>
>> Unfortunately, there are far too many for whom the value of their
>> license is measured in how many people it allows them to look down
>> their noses at. Their only motivation for moving up was so they could
>> gloat over how much better they are than anyone that isn't up to their
>> standards. This is also the primary reason that contests and awards
>> are rubbed in our faces in most of the magazines and newsletters. This
>> is the crowd the ARRL has been cutivating for years, because they
>> don't care about advancing the state of the art, or building their own
>> equipment, helping others, or any of the other aspects of the hobby
>> that used to make it great. They simply want to buy the newest,
>> coolest, fanciest or most expensive rig to help them along on their
>> ego trip, which keeps the advertisers happy.
>>
>> Somebody let me know when QST no longer has any contests or award
>> notices in it. Then I *might* be interested in looking at it again.
>>
>> Bob McConnell
>> N2SPP
>>
>



From -1140284838098750377
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2004-01-24 20:20:28 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!news-
out1.nntp.be!propagator2-sterling!news-in-sterling.newsfeed.com!news.infoave.net!
not-for-mail
From: "W4JLE" <w4jle(remove to reply)@pbtcomm.net>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-
```

radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Date: Sat, 24 Jan 2004 23:20:27 -0500
Organization: Info Avenue Internet Services, LLC
Lines: 14
Message-ID: <buvg6c$en3u$1@news3.infoave.net>
References: <X3tPb.32995$2L6.7688@bignews6.bellsouth.net>
<400EE264.97B86A9B@cwis.net> <100u2kv7qrcmdc5@corp.supernews.com>
<400f17ae_8@corp.newsgroups.com> <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com>
<busgsf$d77b$1@news3.infoave.net> <as5610dhs97aupcrd5f8a2ts2ilj3qp0cf@4ax.com>
NNTP-Posting-Host: 64.53.62.88
X-Trace: news3.infoave.net 1075004428 482430 64.53.62.88 (25 Jan 2004 04:20:28 GMT)
X-Complaints-To: abuse@infoave.net
NNTP-Posting-Date: Sun, 25 Jan 2004 04:20:28 +0000 (UTC)
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Xref: archiver1.google.com rec.radio.amateur.antenna:6084

You Sir have the opportunity to corrct all that. The beauty of Ham radio is that anyone can start a club.

Maybe it's time you do so and correct all the ills you have observed.

Remember every one has a purpose in life, even if only as a bad example. Now that you know what NOT to do, the rest is easy.

"Bob McConnell" <rmcconne@NOSPAM.lightlink.com> wrote in message news:as5610dhs97aupcrd5f8a2ts2ilj3qp0cf@4ax.com...
> I have very little problem with my manhood. I have a son with a Master

From 2774842353448923547
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a26ccb7298d1063,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,a26ccb7298d1063,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2004-01-25 04:17:28 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!newsfeed.icl.net!newsfeed.fjserv.net!newsfeed.icl.net!newsfeed.fjserv.net!news.tele.dk!news.tele.dk!small.news.tele.dk!newsgate.cistron.nl!transit.news.xs4all.nl!not-for-mail
Reply-To: "Raymond PE2KW" <raymond<apestaartje>pe2kw.com>
From: "Raymond PE2KW" <raymond<apestaartje>pe2kw.com>
Newsgroups: rec.ham-radio,rec.ham-radio.swap
Subject: Update website PE2KW
Date: Sun, 25 Jan 2004 13:15:19 +0100

```
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Lines: 5
Message-ID: <4013b3d7$0$330$e4fe514c@news.xs4all.nl>
NNTP-Posting-Date: 25 Jan 2004 13:17:27 CET
NNTP-Posting-Host: 213.84.197.165
X-Trace: 1075033047 news.xs4all.nl 330 [::ffff:213.84.197.165]:3570
X-Complaints-To: abuse@xs4all.nl
Xref: archiver1.google.com rec.ham-radio.swap:3714
```

Hithere, finally I finished the big update from my homepage, please feel
free to tale a look at http://www.pe2kw.com
and if you've got suggestions or others you can write it in my guestbook.
73 Raymond de PE2KW

```
From -7517826476378098470
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2004-01-25 09:18:59 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!news-out.visi.com!petbe.visi.com!green.octanews.net!
news.octanews.net!cox.net!news-xfer.cox.net!p01!lakeread05.POSTED!not-for-mail
Reply-To: " Uncle Peter" <radioconnectionNO@cox.netSPAM>
From: " Uncle Peter" <radioconnectionNO@cox.netSPAM>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-
radio,rec.radio.amateur.antenna
References: <X3tPb.32995$2L6.7688@bignews6.bellsouth.net>
<fZWdnUTgvb9YH43d4p2dnA@comcast.com>
Subject: Piss and Moan
Lines: 11
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <7USQb.12978$Se.6038@lakeread05>
Date: Sun, 25 Jan 2004 12:19:12 -0500
NNTP-Posting-Host: 68.229.76.112
X-Complaints-To: abuse@cox.net
```

X-Trace: lakeread05 1075051139 68.229.76.112 (Sun, 25 Jan 2004 12:18:59 EST)
NNTP-Posting-Date: Sun, 25 Jan 2004 12:18:59 EST
Organization: Cox Communications
Xref: archiver1.google.com rec.radio.amateur.antenna:6099

They Pissed and Moaned when incentive licensing hit...

And they still Piss and Moan when non-incentive licensing hits..

what goes around, comes around...

Pete

From -9033004434951944970
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2004-01-25 14:50:58 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-01!sn-post-02!sn-post-01!supernews.com!corp.supernews.com!not-for-mail
From: "Jim" <NN7K@Reno.Rmci.Net>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Date: Sun, 25 Jan 2004 14:50:52 -0800
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <1018i2c1saq2led@corp.supernews.com>
References: <X3tPb.32995$2L6.7688@bignews6.bellsouth.net>
<400EE264.97B86A9B@cwis.net> <100u2kv7qrcmdc5@corp.supernews.com>
<400f17ae_8@corp.newsgroups.com> <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com>
<busgsf$d77b$1@news3.infoave.net> <as5610dhs97aupcrd5f8a2ts2ilj3qp0cf@4ax.com>
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
X-Complaints-To: abuse@supernews.com
Lines: 109
Xref: archiver1.google.com rec.radio.amateur.antenna:6111

Yeh, BUT-- Moby, Michael Jackson, and, Eminem, and Bono, WITHOUT the degree (and, probably without even a High School deploma)! are Beating your son, meanwiile,

Former ENRON accountants, are running circles around your daughter! Shall
we sink
ALL STANDARDS? (Got an idea: Lets legalize BANK ROBBERY, as those that
commit it
need the dough for their attorneys-- too many murders? simply legalize them
as an act of
MERCY!! , ect. Why have ANY standards?? Do your own thing! Granney (at
age 56)?
yeh, send her over Niagra Falls? Yeh that the ticket! When you fail to
jump over the bar,
lets just eliminate the BAR!!   That (Unfortunatly) is what has been going
on for too many years!
Jim NN7K

"Bob wrote in message news:as5610dhs97aupcrd5f8a2ts2ilj3qp0cf@4ax.com...
> I have very little problem with my manhood. I have a son with a Master
> of Music (Education) that is a respected teacher. He has a lovely wife
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```
From 3309861522493963001
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
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X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2004-01-29 18:19:16 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!news-
rtr.nyroc.rr.com!news-out.nyroc.rr.com!twister.nyroc.rr.com.POSTED!53ab2750!not-
for-mail
From: Bob McConnell <rmcconne@NOSPAM.lightlink.com>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-
radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Organization: Not in this lifetime
Message-ID: <mtej10dssbprsedhgle075gppifiq7p2ln@4ax.com>
References: <X3tPb.32995$2L6.7688@bignews6.bellsouth.net>
<400EE264.97B86A9B@cwis.net> <100u2kv7qrcmdc5@corp.supernews.com>
<400f17ae_8@corp.newsgroups.com> <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com>
<busgsf$d77b$1@news3.infoave.net> <as5610dhs97aupcrd5f8a2ts2ilj3qp0cf@4ax.com>
<1018i2c1saq2led@corp.supernews.com>
X-Newsreader: Forte Agent 1.93/32.576 English (American)
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Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 136
Date: Fri, 30 Jan 2004 02:19:04 GMT
NNTP-Posting-Host: 24.59.108.87
X-Complaints-To: abuse@rr.com
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EST)
NNTP-Posting-Date: Thu, 29 Jan 2004 21:19:04 EST
Xref: archiver1.google.com rec.radio.amateur.antenna:6388
```

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```
From 1361905590369589581
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2004-01-30 03:46:07 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!
easynews.com!easynews!elnk-pas-nf1!newsfeed.earthlink.net!
stamper.news.pas.earthlink.net!stamper.news.atl.earthlink.net!
newsread1.news.atl.earthlink.net.POSTED!ac4e99c4!not-for-mail
From: "Dr. Daffodil Swain" <wa4jm@earthlink.net>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-
radio,rec.radio.amateur.antenna
References: <X3tPb.32995$2L6.7688@bignews6.bellsouth.net>
<400EE264.97B86A9B@cwis.net> <100u2kv7qrcmdc5@corp.supernews.com>
<400f17ae_8@corp.newsgroups.com> <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com>
<busgsf$d77b$1@news3.infoave.net> <as5610dhs97aupcrd5f8a2ts2ilj3qp0cf@4ax.com>
<1018i2c1saq2led@corp.supernews.com> <mtej10dssbprsedhgle075gppifiq7p2ln@4ax.com>
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Lines: 155
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <3urSb.2513$jH6.710@newsread1.news.atl.earthlink.net>
Date: Fri, 30 Jan 2004 11:46:07 GMT
NNTP-Posting-Host: 209.26.205.76
X-Complaints-To: abuse@earthlink.net
```

X-Trace: newsread1.news.atl.earthlink.net 1075463167 209.26.205.76 (Fri, 30 Jan 2004 03:46:07 PST)
NNTP-Posting-Date: Fri, 30 Jan 2004 03:46:07 PST
Organization: EarthLink Inc. -- http://www.EarthLink.net
Xref: archiver1.google.com rec.radio.amateur.antenna:6408

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From -3379795414899202611
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2004-01-30 11:29:34 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!
feed1.news.rcn.net!rcn!wn13feed!worldnet.att.net!bgtnsc05-
news.ops.worldnet.att.net.POSTED!not-for-mail
From: Me <Me@shadow.orgs>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-
radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Organization: Me and my shadow
References: <X3tPb.32995$2L6.7688@bignews6.bellsouth.net>
<400EE264.97B86A9B@cwis.net> <100u2kv7qrcmdc5@corp.supernews.com>
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<1018i2c1saq2led@corp.supernews.com> <mtej10dssbprsedhgle075gppifiq7p2ln@4ax.com>
<3urSb.2513$jH6.710@newsread1.news.atl.earthlink.net>
User-Agent: MT-NewsWatcher/3.1 (PPC)
Message-ID: <Me-5DA20D.10291930012004@netnews.worldnet.att.net>
Lines: 13
Date: Fri, 30 Jan 2004 19:29:34 GMT
NNTP-Posting-Host: 12.12.208.46
X-Complaints-To: abuse@worldnet.att.net
X-Trace: bgtnsc05-news.ops.worldnet.att.net 1075490974 12.12.208.46 (Fri, 30 Jan
2004 19:29:34 GMT)
NNTP-Posting-Date: Fri, 30 Jan 2004 19:29:34 GMT
Xref: archiver1.google.com rec.radio.amateur.antenna:6427
```

In article <3urSb.2513$jH6.710@newsread1.news.atl.earthlink.net>,
"Dr. Daffodil Swain" <wa4jm@earthlink.net> wrote:

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There aren't many of those guys (FCC "engineers) left in the Commission,
since Uncle Billy and his henchman ALGORE, reinvented the Commission,
and layed off 75% of the Field Operations Folks. Better look for some
other folks to admin your goofy exams and build your QRP Radio's.

me

```
From -7111437671694711459
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-ArrivalTime: 2004-01-31 14:55:06 PST
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feed1.news.rcn.net!rcn!wn14feed!worldnet.att.net!bgtnsc05-
news.ops.worldnet.att.net.POSTED!not-for-mail
From: "geocal" <geocal@att.net>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-
radio,rec.radio.amateur.antenna
References: <X3tPb.32995$2L6.7688@bignews6.bellsouth.net>
<400EE264.97B86A9B@cwis.net> <100u2kv7qrcmdc5@corp.supernews.com>
<400f17ae_8@corp.newsgroups.com> <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com>
<busgsf$d77b$1@news3.infoave.net> <as5610dhs97aupcrd5f8a2ts2ilj3qp0cf@4ax.com>
<1018i2c1saq2led@corp.supernews.com> <mtej10dssbprsedhgle075gppifiq7p2ln@4ax.com>
<3urSb.2513$jH6.710@newsread1.news.atl.earthlink.net>
<Me-5DA20D.10291930012004@netnews.worldnet.att.net>
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Lines: 22
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <dnWSb.150614$6y6.2946441@bgtnsc05-news.ops.worldnet.att.net>
Date: Sat, 31 Jan 2004 22:55:05 GMT
NNTP-Posting-Host: 12.72.54.183
X-Complaints-To: abuse@worldnet.att.net
X-Trace: bgtnsc05-news.ops.worldnet.att.net 1075589705 12.72.54.183 (Sat, 31 Jan
2004 22:55:05 GMT)
NNTP-Posting-Date: Sat, 31 Jan 2004 22:55:05 GMT
Organization: AT&T Worldnet
Xref: archiver1.google.com rec.radio.amateur.antenna:6556
```

I suspect that Bob McConnell is being facetious with his suggestion about building a QRP rig as part of a ham examination.

"Me" <Me@shadow.orgs> wrote in message
news:Me-5DA20D.10291930012004@netnews.worldnet.att.net...

```
> In article <3urSb.2513$jH6.710@newsread1.news.atl.earthlink.net>,
>  "Dr. Daffodil Swain" <wa4jm@earthlink.net> wrote:
>
> > HUH?  Most FCC "engineers" can't pass this test!  They have EE's which
have
```

> > nothing to do with assembling QRP rigs. They don't teach soldering in
> > school. Get a life.
>
> There aren't many of those guys (FCC "engineers) left in the Commission,
> since Uncle Billy and his henchman ALGORE, reinvented the Commission,
> and layed off 75% of the Field Operations Folks. Better look for some
> other folks to admin your goofy exams and build your QRP Radio's.
>
> me

From -6632778185482259504
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2004-01-31 15:38:40 PST
Path: archiver1.google.com!postnews1.google.com!not-for-mail
From: kg6tgu@qsl.net (kg6tgu)
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
Date: 31 Jan 2004 15:38:40 -0800
Organization: http://groups.google.com
Lines: 99
Message-ID: <9e892fc1.0401311538.65ec585d@posting.google.com>
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vv8ob756p517e3@corp.supernews.com>
NNTP-Posting-Host: 66.229.35.204
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1075592320 6117 127.0.0.1 (31 Jan 2004 23:38:40 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sat, 31 Jan 2004 23:38:40 +0000 (UTC)
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:22285 rec.ham-radio.swap:3740
alt.ham-radio.hf:4004 rec.radio.amateur.swap:5356 rec.radio.swap:6518

nightsky <ron@roncrowley.dot.com> wrote in message
news:<vv8ob756p517e3@corp.supernews.com>...

> Roland wrote:
>
> <SNIP>
> > 1) Back in the mid 50's we had to travel to an FCC office and pay a few
> > bucks to take a supervised exam both written and International Morse
> > code.
> <MORE SNIP>
> > Roland S Geter PhD - WB6LNA ex W2RPQ since 1954
> > Madell M Geter RN - KD6QCH xyl since 1959
> > roland@geter.org
> >
> Roland . . .
>
> While my background is a whole lot less impressive, I do remember the 50's.
>
> But, I never saw any fun in; hitchhiking 30 miles to the Customs House in
> Boston, filling out an application, walking around looking for a free
> Notary Public (I had no money when I was 16), and back again to wait my
> turn to take the test. With another trip to Boston to drop the N from my
> call! . . . I like the way it's done now.
>
> My mode of choice became CW and as I increased my speed, could not afford a
> bug, so I made (and still use) a cootie key.
>
> I do not want to see a no-code ham radio! For one reason, I fear that the CW
> bands will be changed or disappear altogether. I would like to see more CW
> users, and the only way for that to happen is with a code test. Some of
> those who learn code will find out how much fun it is.
>
> What I find offensive, is the idea that the young people will bully their
> way into changing a old tradition to suit their "I deserve everything I
> want at no cost to me" lives. If CW were really dead, I would re-think my
> opinion.
>
> 5 wpm is very very easy!
>
> Ron Crowley, retired tile artisan
> W1WBV (the call issued to me in 1952 was WN1WBV)
> XYL for 39 years - Pat, KB1FZM.
>
>
> > Jim McDermott wrote:
> >
> >> Hamguy?!?! Who are YOU kidding?
> >>
> >> Let's see....we all had to mumble jibberish, before we talked. Learned
> >> to
> >> suck before we could eat. Learned to crawl before we could walk.
> >>
> >> What was your point?
> >>
> >> "Hamguy" <hamguy@arrl.net> wrote in message
> >> news:zDUCb.11793$JW3.1413@twister.nyroc.rr.com...

> >>
> >>>Just because my Great Grandfather had to 'crank start' his car, we should
> >>>ALL have to learn how to do it prior to driving. And his wife had to use
> >>>a 'crank style' telephone, therefore we ALL should have to master that
> >>>technology PRIOR to using a cell-phone just because they did.
> >>>
> >> Additionally,
> >>
> >>>we should ALL have to learn the computer language known as 'Basic' or
> >>>'Fortran' PRIOR to using a PC because I and so many others had to learn
> >>>
> >> it.
> >>
> >>>And EVERYONE should be required to learn an antiquated mode known as CW
> >>>before they get on HF because some 18th century guy invented it. Either
> >>>catch-up with the times, or get the HELL out of the way!   Like it or
> >>>not, CW is TOAST!
> >>>
> >>>
> >>>

whell here is my two and a half cents worth.

i am just a newbe (less than one mo).
i do not know code at all, but i am working on it,
i would rather not have to know it as too much to do these
days to keep on and trying to studying so i can work it at a
good rate, it is hade to find time some weeks.
but do not want to see it go away as it looks like a decent way
to yak to someone else.

but do not realy see a need for knowing code just to use parts
of the radio waves.

when i go for my general i plan to know some code, but not sure
if i will have a need for said.

larry
kg6tgu

> >>
> >>

From -7653633096783993796
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public

```
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2004-01-31 15:41:24 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!news-
out.visi.com!petbe.visi.com!nntp5.savvis.net!news.infoave.net!not-for-mail
From: "W4JLE" <w4jle(remove to reply)@pbtcomm.net>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-
radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Date: Sat, 31 Jan 2004 18:40:51 -0500
Organization: Info Avenue Internet Services, LLC
Lines: 26
Message-ID: <bvhee6$7t7v$1@news3.infoave.net>
References: <X3tPb.32995$2L6.7688@bignews6.bellsouth.net>
<400EE264.97B86A9B@cwis.net> <100u2kv7qrcmdc5@corp.supernews.com>
<400f17ae_8@corp.newsgroups.com> <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com>
<busgsf$d77b$1@news3.infoave.net> <as5610dhs97aupcrd5f8a2ts2ilj3qp0cf@4ax.com>
<1018i2c1saq2led@corp.supernews.com> <mtej10dssbprsedhgle075gppifiq7p2ln@4ax.com>
<3urSb.2513$jH6.710@newsread1.news.atl.earthlink.net>
<Me-5DA20D.10291930012004@netnews.worldnet.att.net>
<dnWSb.150614$6y6.2946441@bgtnsc05-news.ops.worldnet.att.net>
NNTP-Posting-Host: 64.53.62.21
X-Trace: news3.infoave.net 1075592454 259327 64.53.62.21 (31 Jan 2004 23:40:54
GMT)
X-Complaints-To: abuse@infoave.net
NNTP-Posting-Date: Sat, 31 Jan 2004 23:40:54 +0000 (UTC)
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Xref: archiver1.google.com rec.radio.amateur.antenna:6562
```

If you can't build one from a few parts and get it on the air, you don't deserve to be called a ham.

Any CBer or welfare ham can turn on the latest, greatest, Kenwood.

If you have even the most rudimentary understanding of electronics, you should be able to build a transmitter.

How about something as simple as a crystal, a digital hex inverter and some wire and a couple of capacitors?

Whoops! that requires knowledge not gained from memorizing a set of questions.

Mores the pity! There have been no real hams since the FCC stopped giving the exams. If that pisses people off, please take note of the mistletoe pinned to my coat tail....

"geocal" <geocal@att.net> wrote in message
news:dnWSb.150614$6y6.2946441@bgtnsc05-news.ops.worldnet.att.net...

> I suspect that Bob McConnell is being facetious with his suggestion about
> building a QRP rig as part of a ham examination.
>

```
From -307253631749817965
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2004-01-31 15:55:03 PST
Path: archiver1.google.com!news1.google.com!news2.google.com!news.maxwell.syr.edu!
c03.atl99!news.usenetserver.com!diablo.voicenet.com!prodigy.com!
newsmst01.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr25.news.prodigy.com.POSTED!5440bfff!not-for-mail
From: Old School <cobra269"no-spam"@yahoo.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
Message-ID: <cmvo10d916v4eh0lo5odui9uje0uvuq07f@4ax.com>
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vv8ob756p517e3@corp.supernews.com>
<9e892fc1.0401311538.65ec585d@posting.google.com>
X-Newsreader: Forte Agent 1.93/32.576 English (American)
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 106
NNTP-Posting-Host: 67.30.116.143
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr25.news.prodigy.com 1075593257 ST000 67.30.116.143 (Sat, 31 Jan
2004 18:54:17 EST)
NNTP-Posting-Date: Sat, 31 Jan 2004 18:54:17 EST
Organization: SBC http://yahoo.sbc.com
X-UserInfo1:
FKPGW_[DWRRQB_ASXH]D]_\@VR]^@B@MCPWZKB]MPXHJUZ]CDVW[AKK[J\]^HVKHG^EWZHBLO^[\NH_AZF
WGN^\DHNVMX_DHHX[FSQKBOTS@@BP^]C@RHS_AGDDC[AJM_T[GZNRNZAY]GNCPBDYKOLK^_CZFWPGHZIXW
```

@C[AFKBBQS@E@DAZ]VDFUNTQQ]FN
Date: Sat, 31 Jan 2004 23:54:17 GMT
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:22290 rec.ham-radio.swap:3741
alt.ham-radio.hf:4005 rec.radio.amateur.swap:5357 rec.radio.swap:6519

On 31 Jan 2004 15:38:40 -0800, kg6tgu@qsl.net (kg6tgu) wrote:

>nightsky <ron@roncrowley.dot.com> wrote in message
news:<vv8ob756p517e3@corp.supernews.com>...
>> Roland wrote:
>>
>> <SNIP>
>> > 1) Back in the mid 50's we had to travel to an FCC office and pay a few
>> > bucks to take a supervised exam both written and International Morse
>> > code.
>> <MORE SNIP>
>> > Roland S Geter PhD - WB6LNA ex W2RPQ since 1954
>> > Madell M Geter RN - KD6QCH xyl since 1959
>> > roland@geter.org
>> >
>> Roland . . .
>>
>> While my background is a whole lot less impressive, I do remember the 50's.
>>
>> But, I never saw any fun in; hitchhiking 30 miles to the Customs House in
>> Boston, filling out an application, walking around looking for a free
>> Notary Public (I had no money when I was 16), and back again to wait my
>> turn to take the test. With another trip to Boston to drop the N from my
>> call! . . . I like the way it's done now.
>>
>> My mode of choice became CW and as I increased my speed, could not afford a
>> bug, so I made (and still use) a cootie key.
>>
>> I do not want to see a no-code ham radio! For one reason, I fear that the CW
>> bands will be changed or disappear altogether. I would like to see more CW
>> users, and the only way for that to happen is with a code test. Some of
>> those who learn code will find out how much fun it is.
>>
>> What I find offensive, is the idea that the young people will bully their
>> way into changing a old tradition to suit their "I deserve everything I
>> want at no cost to me" lives. If CW were really dead, I would re-think my
>> opinion.
>>
>> 5 wpm is very very easy!
>>
>> Ron Crowley, retired tile artisan
>> W1WBV (the call issued to me in 1952 was WN1WBV)
>> XYL for 39 years - Pat, KB1FZM.
>>
>>
>> > Jim McDermott wrote:
>> >
>> >> Hamguy?!?! Who are YOU kidding?

>> >>
>> >> Let's see....we all had to mumble jibberish, before we talked. Learned
>> >> to
>> >> suck before we could eat. Learned to crawl before we could walk.
>> >>
>> >> What was your point?
>> >>
>> >> "Hamguy" <hamguy@arrl.net> wrote in message
>> >> news:zDUCb.11793$JW3.1413@twister.nyroc.rr.com...
>> >>
>> >>>Just because my Great Grandfather had to 'crank start' his car, we should
>> >>>ALL have to learn how to do it prior to driving. And his wife had to use
>> >>>a 'crank style' telephone, therefore we ALL should have to master that
>> >>>technology PRIOR to using a cell-phone just because they did.
>> >>>
>> >> Additionally,
>> >>
>> >>>we should ALL have to learn the computer language known as 'Basic' or
>> >>>'Fortran' PRIOR to using a PC because I and so many others had to learn
>> >>>
>> >> it.
>> >>
>> >>>And EVERYONE should be required to learn an antiquated mode known as CW
>> >>>before they get on HF because some 18th century guy invented it. Either
>> >>>catch-up with the times, or get the HELL out of the way!   Like it or
>> >>>not, CW is TOAST!
>> >>>
>> >>>
>> >>>
>
>
>
>   whell here is my two and a half cents worth.
>
>i am just a newbe (less than one mo).
>i do not know code at all, but i am working on it,
> i would rather not have to know it as too much to do these
>days to keep on and trying to studying so i can work it at a
>good rate, it is hade to find time some weeks.
>but do not want to see it go away as it looks like a decent way
> to yak to someone else.
>
>but do not realy see a need for knowing code just to use parts
>of the radio waves.
>
>when i go for my general i plan to know some code, but not sure
> if i will have a need for said.
>
>larry
>kg6tgu
>
Thats very well put. If I have to take a code test, then why dont the
Business Band, Radio Stations and all other commercial licensees?

Im not going to do code, so therefore I shouldnt be required to take
it to talk via phone.
>
>> >>
>> >>

From -9041987274548051983
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2004-01-31 16:03:21 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!
in.100proofnews.com!in.100proofnews.com!cyclone1.starband.net!
twister2.starband.net.POSTED!not-for-mail
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
From: Ed G <Spectrumhog_REMOVE_@Starband.net>
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vv8ob756p517e3@corp.supernews.com>
<9e892fc1.0401311538.65ec585d@posting.google.com>
<cmvo10d916v4eh0lo5odui9uje0uvuq07f@4ax.com>
Message-ID: <Xns9481A3763484ASpectrumhogStarbandn@148.78.248.75>
Followup-To: alt.ham-radio.vhf-uhf
User-Agent: Xnews/5.04.25
Lines: 14
NNTP-Posting-Host: 148.63.2.172
X-Complaints-To: abuse@starband.net
X-Trace: twister2.starband.net 1075593798 148.63.2.172 (Sat, 31 Jan 2004 19:02:56 EST)
NNTP-Posting-Date: Sat, 31 Jan 2004 19:02:56 EST
Organization: Starband Communications
Date: Sun, 01 Feb 2004 00:02:56 GMT
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:22294 rec.ham-radio.swap:3743
alt.ham-radio.hf:4006 rec.radio.amateur.swap:5358 rec.radio.swap:6520

> Thats very well put. If I have to take a code test, then why dont the

> Business Band, Radio Stations and all other commercial licensees?
> Im not going to do code, so therefore I shouldnt be required to take
> it to talk via phone.

Business Band operators don't have to take any test. Just pay money for a license to operate on a fixed frequency with a limited use FCC certified radio. So different from Ham radio I don't see how anyone can even compare the two services.

Ed

```
From -2539647898833242488
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,6881884a542b952e,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10aaeb,6881884a542b952e,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 10c9e3,6881884a542b952e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 112862,6881884a542b952e,start
X-Google-Attributes: gid112862,public
X-Google-Thread: 1109af,6881884a542b952e,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,6881884a542b952e,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2004-01-31 17:03:34 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!c03.atl99!
news.usenetserver.com!fe02.usenetserver.com.POSTED!53ab2750!not-for-mail
From: "Daniel W4ADT" <danielw4adt@alltel.net>
Newsgroups: alabama.birmingham.radio.amateur,alt.ham-
radio.marketplace,ga.forsale,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap
Subject: FS:KENWOOD TS-440SAT
Lines: 9
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <G0YSb.523$JA.131@fe02.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Sat, 31 Jan 2004 19:47:34 EST
Date: Sat, 31 Jan 2004 19:46:56 -0500
Xref: archiver1.google.com alabama.birmingham.radio.amateur:868 alt.ham-
radio.marketplace:15910 ga.forsale:846 rec.ham-radio.swap:3744 rec.radio.swap:6527
```

Kenwood TS-440SAT - Excellent Condition Cosmetic 8.5 - 9.5, Great reports all the time! Included Kenwood Hand Mic, wiring harness, and owers manual. - I don't have the original boxes, but will make sure it's double boxed! Money order, or Paypal accepted. $450.00 + Shipping

Call 678-758-1298 or email danielw4adt@alltel.net

From 2132003833630019403
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2004-02-01 18:27:38 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!sn-xit-03!sn-xit-04!sn-xit-01!sn-post-02!sn-post-01!supernews.com!corp.supernews.com!not-for-mail
From: "kb8qlr" <kb8qlr@peoplepc.com>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
Date: Sun, 1 Feb 2004 21:11:43 -0500
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <101rcf049hk4se4@corp.supernews.com>
References: <X3tPb.32995$2L6.7688@bignews6.bellsouth.net>
<400EE264.97B86A9B@cwis.net> <100u2kv7qrcmdc5@corp.supernews.com>
<400f17ae_8@corp.newsgroups.com> <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com>
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
X-Complaints-To: abuse@supernews.com
Lines: 46
Xref: archiver1.google.com rec.radio.amateur.antenna:6644

Hey Bob,
I get QST...always have. The contesting stuff doesn't interest me, so I just ignore it. Occasionally I'll see a familiar call and think "hey, I know that guy", then move on.
73
Joe KB8QLR
--
Be sure to check-out our webpages...
http://www.angelfire.com/jazz/kb8qlrjoe/index.html
New pictures & links being added frequently.
"Bob McConnell" <rmcconne@NOSPAM.lightlink.com> wrote in message
news:ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com...
> On Wed, 21 Jan 2004 18:19:04 -0600, Cecil Moore

```
> <Cecil.A.Moore@ieee.ONEDOT.org> wrote:
>
> >Jim wrote:
> >> Pretty much agree with Doc, altho, after the last "restructureing", the
> >> value of a license is worthless!
> >
> >The only value in a license are the privileges granted. The privileges
> >granted haven't changed appreciably. I had full access to all ham bands
> >in 1953 and I still have full access to all ham bands in 2004. I lost
> >11m and 220 MHz but gained the WARC bands. The value of my license is
> >very close to what it was in 1953.
>
> Unfortunately, there are far too many for whom the value of their
> license is measured in how many people it allows them to look down
> their noses at. Their only motivation for moving up was so they could
> gloat over how much better they are than anyone that isn't up to their
> standards. This is also the primary reason that contests and awards
> are rubbed in our faces in most of the magazines and newsletters. This
> is the crowd the ARRL has been cutivating for years, because they
> don't care about advancing the state of the art, or building their own
> equipment, helping others, or any of the other aspects of the hobby
> that used to make it great. They simply want to buy the newest,
> coolest, fanciest or most expensive rig to help them along on their
> ego trip, which keeps the advertisers happy.
>
> Somebody let me know when QST no longer has any contests or award
> notices in it. Then I *might* be interested in looking at it again.
>
> Bob McConnell
> N2SPP
>
```

```
From -8156896517848824872
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a97f446003c28c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,4a97f446003c28c5
X-Google-Attributes: gid109013,public
X-Google-Thread: f7796,4a97f446003c28c5
X-Google-Attributes: gidf7796,public
X-Google-Thread: fcc6e,4a97f446003c28c5
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2004-02-01 19:58:36 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!news-
rtr.nyroc.rr.com!news-out.nyroc.rr.com!twister.nyroc.rr.com.POSTED!53ab2750!not-
for-mail
From: Bob McConnell <rmcconne@NOSPAM.lightlink.com>
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-
radio,rec.radio.amateur.antenna
Subject: Re: ARRL Propose New License Class & Code-Free HF Access
```

Organization: Not in this lifetime
Message-ID: <ushr10td27hrh91qs836sr3rf6q1h0op38@4ax.com>
References: <400EE264.97B86A9B@cwis.net> <100u2kv7qrcmdc5@corp.supernews.com>
<400f17ae_8@corp.newsgroups.com> <ofg3109bbbqfdm9ip1r6n8mgnkcamr0ou6@4ax.com>
<busgsf$d77b$1@news3.infoave.net> <as5610dhs97aupcrd5f8a2ts2ilj3qp0cf@4ax.com>
<1018i2c1saq2led@corp.supernews.com> <mtej10dssbprsedhgle075gppifiq7p2ln@4ax.com>
<3urSb.2513$jH6.710@newsread1.news.atl.earthlink.net>
<Me-5DA20D.10291930012004@netnews.worldnet.att.net>
<dnWSb.150614$6y6.2946441@bgtnsc05-news.ops.worldnet.att.net>
X-Newsreader: Forte Agent 1.93/32.576 English (American)
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 28
Date: Mon, 02 Feb 2004 03:58:25 GMT
NNTP-Posting-Host: 24.59.108.87
X-Complaints-To: abuse@rr.com
X-Trace: twister.nyroc.rr.com 1075694305 24.59.108.87 (Sun, 01 Feb 2004 22:58:25 EST)
NNTP-Posting-Date: Sun, 01 Feb 2004 22:58:25 EST
Xref: archiver1.google.com rec.radio.amateur.antenna:6647

On Sat, 31 Jan 2004 22:55:05 GMT, "geocal" <geocal@att.net> wrote:

>I suspect that Bob McConnell is being facetious with his suggestion about
>building a QRP rig as part of a ham examination.
>

I was beginning to wonder if anyone caught that. The initial suggestion was that a ham license was worth less after the last restructuring eliminated half of them and reduced the CW requirement. My sarcastic reply was that if they wanted to revert to a time when the license was more difficult to obtain, they weren't going back far enough, but should revert all the way to the era when only an FCC engineer was qualified to test and issue licenses. Then add the assembly to really separate the hams from CBers that can memorize the text book.

Apparently, high schools no longer teach sarcasm as a literary device. Even my pseudo HTML tag didn't clue them in.

I am curious about one thing. In 1977 I took the FCC test series for the commercial phone license. I breezed through third class and passed the second class elements, but missed first class by 6 points. If I had turned around and taken the amateur tests at that time, without the code requirement, what license would I have ended up with?

Bob McConnell
N2SPP

From 7577187564888609175

```
X-Google-Thread: 10c9e3,cf37474635da4055,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: rlucch2098@aol.com (Rich)
Newsgroups: rec.ham-radio
Subject: FA: RARE 1947 RME VHF-152 CONVERTER > 11-10-6-2 BANDS>LAST DAY!
Date: 31 Jul 2004 06:16:54 -0700
Organization: http://groups.google.com
Lines: 16
Message-ID: <ac04ab5b.0407310516.501d413c@posting.google.com>
NNTP-Posting-Host: 205.188.116.136
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1091279815 1833 127.0.0.1 (31 Jul 2004 13:16:55 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sat, 31 Jul 2004 13:16:55 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:76

Many nice clear pics.
Ends tomorrow, now @$32
All items are real inexpensive.
Ebay item numbers>
5711367094
OR>
This is my entire list on Ebay.
You may want to check others while you're there :-)
Please add HTTP in front of the address below as AOL frowns on HOT links :-(
://cgi6.ebay.com/ws/eBayISAPI.dll?ViewListedItems&userid=myradioroom&sort=
3&page=1&rows=25&since=14&rdir=0
Thanks es 73..........RICH-WA2RQY       RLUCCH2098@aol.com
Cheep Manuals for sale @>>
http://www.myradioroom.com/manualsales.html
Web-Page URL>
HTTP://members.aol.com/rlucch2098/index.html


From -2497296938065227888
X-Google-Thread: 10c9e3,62f303f7ddec59a0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: rlucch2098@aol.com (Rich)
Newsgroups: rec.ham-radio
Subject: FA: CLASSIC HEATHKIT IM-13 TUBE VTVM@big $24, Last Day!
Date: 31 Jul 2004 06:17:26 -0700
Organization: http://groups.google.com
Lines: 15
Message-ID: <ac04ab5b.0407310517.5cde07b2@posting.google.com>
NNTP-Posting-Host: 205.188.116.136
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1091279846 1840 127.0.0.1 (31 Jul 2004 13:17:26 GMT)
```

```
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sat, 31 Jul 2004 13:17:26 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:77

Many nice clear pics.
All items are real inexpensive.
Ebay item numbers>
3829523066
OR>
This is my entire list on Ebay.
You may want to check others while you're there :-)
Please add HTTP in front of the address below as AOL frowns on HOT links :-(
://cgi6.ebay.com/ws/eBayISAPI.dll?ViewListedItems&userid=myradioroom&sort=
3&page=1&rows=25&since=14&rdir=0
Thanks es 73..........RICH-WA2RQY       RLUCCH2098@aol.com
Cheep Manuals for sale @>>
http://www.myradioroom.com/manualsales.html
Web-Page URL>
HTTP://members.aol.com/rlucch2098/index.html


From 5798395316822664119
X-Google-Thread: 10c9e3,de3554abe6f7a792,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: rlucch2098@aol.com (Rich)
Newsgroups: rec.ham-radio
Subject: FA: $9.99 AEA model CP-1 CW/RTTY COMPUTER INTERFACE TNC>1-DAY
Date: 31 Jul 2004 06:18:01 -0700
Organization: http://groups.google.com
Lines: 15
Message-ID: <ac04ab5b.0407310518.44eb0f0@posting.google.com>
NNTP-Posting-Host: 205.188.116.136
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1091279882 1858 127.0.0.1 (31 Jul 2004 13:18:02 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sat, 31 Jul 2004 13:18:02 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:78

Many nice clear pics.
All items are real inexpensive.
Ebay item numbers>
5711367165
OR>
This is my entire list on Ebay.
You may want to check others while you're there :-)
Please add HTTP in front of the address below as AOL frowns on HOT links :-(
://cgi6.ebay.com/ws/eBayISAPI.dll?ViewListedItems&userid=myradioroom&sort=
3&page=1&rows=25&since=14&rdir=0
Thanks es 73..........RICH-WA2RQY       RLUCCH2098@aol.com
Cheep Manuals for sale @>>
```

```
http://www.myradioroom.com/manualsales.html
Web-Page URL>
HTTP://members.aol.com/rlucch2098/index.html


From 8689908743866109555
X-Google-Thread: 10c9e3,164505af7b6ecf2a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: rlucch2098@aol.com (Rich)
Newsgroups: rec.ham-radio
Subject: FA: MFJ-313 VHF CONVERTER for YOUR H/T, 154-158/160-164mhz
Date: 31 Jul 2004 06:18:36 -0700
Organization: http://groups.google.com
Lines: 16
Message-ID: <ac04ab5b.0407310518.53b6be51@posting.google.com>
NNTP-Posting-Host: 205.188.116.136
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1091279916 1866 127.0.0.1 (31 Jul 2004 13:18:36 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sat, 31 Jul 2004 13:18:36 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:79

Many nice clear pics.
Big $9.99
All items are real inexpensive.
Ebay item numbers>
5711367111
OR>
This is my entire list on Ebay.
You may want to check others while you're there :-)
Please add HTTP in front of the address below as AOL frowns on HOT links :-(
://cgi6.ebay.com/ws/eBayISAPI.dll?ViewListedItems&userid=myradioroom&sort=
3&page=1&rows=25&since=14&rdir=0
Thanks es 73..........RICH-WA2RQY       RLUCCH2098@aol.com
Cheep Manuals for sale @>>
http://www.myradioroom.com/manualsales.html
Web-Page URL>
HTTP://members.aol.com/rlucch2098/index.html


From -2677634929366434677
X-Google-Thread: 10c9e3,bb389183f76e78b4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news2.google.com!proxad.net!fr.ip.ndsoftware.net!
216.196.110.149.MISMATCH!border2.nntp.ams.giganews.com!
border1.nntp.ams.giganews.com!nntp.giganews.com!dedekind.zen.co.uk!zen.net.uk!
demorgan.zen.co.uk!194.72.9.35.MISMATCH!news-peer1!btnet-feed3!
newreader.ukcore.bt.net!btnet-feed5!btnet!news.btopenworld.com!not-for-mail
From: "Richard Fell" <richard.fell4@btopenworld.com>
```

Newsgroups: rec.ham-radio
Subject: YAESU MANUAL WANTED
Date: Mon, 2 Aug 2004 06:12:37 +0000 (UTC)
Organization: BT Openworld
Lines: 25
Message-ID: <cekm0l$7nn$1@sparta.btinternet.com>
NNTP-Posting-Host: dial81-131-137-61.in-addr.btopenworld.com
X-Trace: sparta.btinternet.com 1091427157 7927 81.131.137.61 (2 Aug 2004 06:12:37 GMT)
X-Complaints-To: news-complaints@lists.btinternet.com
NNTP-Posting-Date: Mon, 2 Aug 2004 06:12:37 +0000 (UTC)
X-Newsreader: Microsoft Outlook Express 6.00.2800.1409
X-MSMail-Priority: Normal
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1409
Xref: g2news1.google.com rec.ham-radio:80

I ahve inherited a yaesu frg7700 plus a frt7700, fra7700 and a frv7700 does anyone have a copy of the manual that i can copy am willing to pay your price.

--

WARNING - spoof Ebay and Paypal emails asking for user id and passwords DO NOT I repeat DO NOT reply to these emails..... Ebay and Paypal have been informed and are taking action.

Thats all for now
Richard Fell
18 Eleanor House
89 East Street
EPSOM
KT17 1DT
Tel 01372-742404

From -7025512616719367986
X-Google-Thread: 10c9e3,432c3ee100aafd3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: mvernooy@usadatanet.net (Mary Vernooy)
Newsgroups: rec.ham-radio
Subject: Pioneer PR7820 laser disc players wanted
Date: 9 Aug 2004 19:11:30 -0700

Organization: http://groups.google.com
Lines: 8
Message-ID: <5bde331e.0408091811.152f2bec@posting.google.com>
NNTP-Posting-Host: 66.218.8.239
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1092103891 22128 127.0.0.1 (10 Aug 2004 02:11:31 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Tue, 10 Aug 2004 02:11:31 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:81

I'm looking for Pioneer PR7820 laser disc players. These players were used in GM dealerships for training and showing off the new line of GM cars. They were also used in Dragon's Lair arcade games. The players need not be in working condition but should be complete and unmolested.
If you have any you want to get rid of please e-mail me at this address pr7820@yahoo.com
Please let me know if you can help.

From 4837666281765039336
X-Google-Thread: 10c9e3,a62008c8d6db60a1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: jjason@bak.rr.com (Jason Edward)
Newsgroups: rec.ham-radio
Subject: Ham newb, need some guidance.
Date: 10 Aug 2004 10:04:35 -0700
Organization: http://groups.google.com
Lines: 6
Message-ID: <a93f4dc4.0408100904.3d8bcf90@posting.google.com>
NNTP-Posting-Host: 205.242.228.39
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1092157477 32426 127.0.0.1 (10 Aug 2004 17:04:37 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Tue, 10 Aug 2004 17:04:37 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:82

I've recently just become interested in ham radio. I'm 22 year old college student with somewhat limited funds. I've heard of people building radios. Is that something you can do with just instructional books or is that something only advanced people do? And what kind of radio would be good for somebody like me, just getting into it? Thanks for any and all help.

From -8906605211408326571
X-Google-Thread: 108228,78460c81f949d234,start
X-Google-Thread: f76e2,78460c81f949d234,start
X-Google-Thread: 10c9e3,78460c81f949d234,start

```
X-Google-Thread: 10ed5f,78460c81f949d234,start
X-Google-Thread: 106d41,78460c81f949d234,start
X-Google-Attributes: gid108228,gidf76e2,gid10c9e3,gid10ed5f,gid106d41,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: ken_bair@yahoo.com (Ken)
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio.swap,rec.ham-radio,alt.ham-
radio,rec.radio.cb
Subject: FS: Ranger AR-3500
Date: 10 Aug 2004 19:41:09 -0700
Organization: http://groups.google.com
Lines: 7
Message-ID: <51844b86.0408101841.383613bc@posting.google.com>
NNTP-Posting-Host: 24.12.87.112
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1092192070 28793 127.0.0.1 (11 Aug 2004 02:41:10 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Wed, 11 Aug 2004 02:41:10 +0000 (UTC)
Xref: g2news1.google.com alt.ham-radio.marketplace:486 rec.ham-radio.swap:291
rec.ham-radio:83 alt.ham-radio:158 rec.radio.cb:5147

Ranger AR 3500 For Sale. Asking $125 OBO. Unit powers up and
everything appears to work fine, but I don't know much about these
radios and do not have a means to fully test all the functions.

Please email for photos and more information.

Ken



From -3386507263451797993
X-Google-Thread: 10c9e3,a62008c8d6db60a1
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!prodigy.com!
newsmst01a.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr24.news.prodigy.com.POSTED!06f8e59d!not-for-mail
From: "Adair Winter" <drummer_adair@mail.com>
Newsgroups: rec.ham-radio
References: <a93f4dc4.0408100904.3d8bcf90@posting.google.com>
Subject: Re: Ham newb, need some guidance.
Lines: 29
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2741.2600
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2742.200
Message-ID: <VEgSc.4027$rv.1508@newssvr24.news.prodigy.com>
NNTP-Posting-Host: 65.68.182.131
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr24.news.prodigy.com 1092196021 ST000 65.68.182.131 (Tue, 10 Aug
2004 23:47:01 EDT)
NNTP-Posting-Date: Tue, 10 Aug 2004 23:47:01 EDT
```

Organization: SBC http://yahoo.sbc.com
X-UserInfo1: OXYKR^OF\RU]R\I]]ZN@_TDAYZOZ@GXOXZ^D]
\YIJYWZUYICD^RAQBKZQTZTX_I[^G_KGFNON[ZOE_AZNVO^\XGGNTCIRPIJH[@RQKBXLRZ@CD^HKANYVW
@RLGEZEJN@_WZJBNZYYKVIOR]T]MNMG_Z[YVWSCH_Q[GPC_A@CARQVXDSDA^M]@DRVUM@RBM
Date: Wed, 11 Aug 2004 03:47:01 GMT
Xref: g2news1.google.com rec.ham-radio:84

"Jason Edward" <jjason@bak.rr.com> wrote in message

> I've recently just become interested in ham radio. I'm 22 year old
> college student with somewhat limited funds. I've heard of people
> building radios. Is that something you can do with just instructional
> books or is that something only advanced people do? And what kind of
> radio would be good for somebody like me, just getting into it? Thanks
> for any and all help.

Hello Jason, if you are not licensed as of yet then that would be the first place to start, get your tech license and that will allow you to talk on 6 meters and up which would include 2 meters and 70 centimeters where there is alot of activity due to the use of repeaters stuff like that. however activity will depend on your location.
There are alot of do it yourself radio kits available but for what they cost you'd prolly be better off trying to buy a used hand held or mobile radio, but building is a great way to learn about electronics but i don't know if it's the best way to start..
check out www.arrl.org for all the info you could want on getting your amateur license and do a search for local clubs in your area, they will most likely be able to direct you in the right direction.

whatever you do I encourage you to get your license if you don't already and upgrade as far as possible. upgrading and getting on the HF bands where world wide contacts are possible with a piece of wire and 5 watts is a very cool feeling, plus to be HF is 90% of amateur radio..

Adair - KD5DYP

From 5529100564495728732
X-Google-Thread: 10c9e3,a62008c8d6db60a1
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: jjason@bak.rr.com (Jason Edward)
Newsgroups: rec.ham-radio
Subject: Re: Ham newb, need some guidance.
Date: 11 Aug 2004 10:07:02 -0700
Organization: http://groups.google.com
Lines: 6
Message-ID: <a93f4dc4.0408110907.4d7f8f25@posting.google.com>
References: <a93f4dc4.0408100904.3d8bcf90@posting.google.com>
<VEgSc.4027$rv.1508@newssvr24.news.prodigy.com>
NNTP-Posting-Host: 12.34.246.37

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1092244023 5841 127.0.0.1 (11 Aug 2004 17:07:03 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Wed, 11 Aug 2004 17:07:03 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:85

I will do that. Thank you for the help. Is there any study guides or
books you'd reccomend as far as the tests go?

Oh, and I forgot one of the most important questions: what kind of
radio should I buy? I have no idea what to look or ask for, or even
where they sell them.

From 3336696024656384570
X-Google-Thread: 10c9e3,5132c6a88b648877,start
X-Google-Thread: fa656,5132c6a88b648877,start
X-Google-Thread: 11480d,5132c6a88b648877,start
X-Google-Thread: 1120e4,5132c6a88b648877,start
X-Google-Thread: f64c6,5132c6a88b648877,start
X-Google-Attributes: gid10c9e3,gidfa656,gid11480d,gid1120e4,gidf64c6,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news2.google.com!proxad.net!213.200.89.82.MISMATCH!
tiscali!newsfeed1.ip.tiscali.net!feed.news.tiscali.de!uio.no!newsfeed1.uni2.dk!
news.get2net.dk.POSTED!53ab2750!not-for-mail
From: "OZ6OM" <oz7m@image.dk>
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,se.hobby.amatorradio,uk.radio.amateur
Subject: DX News service
Lines: 5
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4922.1500
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4925.2800
Message-ID: <MbNSc.1476$DN6.77@news.get2net.dk>
Date: Thu, 12 Aug 2004 18:49:04 +0200
NNTP-Posting-Host: 192.38.163.59
X-Complaints-To: abuse@uni2.dk
X-Trace: news.get2net.dk 1092329324 192.38.163.59 (Thu, 12 Aug 2004 18:48:44 CEST)
NNTP-Posting-Date: Thu, 12 Aug 2004 18:48:44 CEST
Organization: UNI2 Internet Kunde
Xref: g2news1.google.com rec.ham-radio:86 rec.radio.amateur:673
rec.radio.amateur.dx:435 se.hobby.amatorradio:71 uk.radio.amateur:17430

Major update of DX news at http://www.qsl.net/oz6om

vy 73 Matt OZ6OM

From -2122885524325656022

```
X-Google-Thread: 10c9e3,a62008c8d6db60a1
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!prodigy.com!
newsmst01a.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr22.news.prodigy.com.POSTED!06f8e59d!not-for-mail
From: "Adair Winter" <drummer_adair@mail.com>
Newsgroups: rec.ham-radio
References: <a93f4dc4.0408100904.3d8bcf90@posting.google.com>
<VEgSc.4027$rv.1508@newssvr24.news.prodigy.com>
<a93f4dc4.0408110907.4d7f8f25@posting.google.com>
Subject: Re: Ham newb, need some guidance.
Lines: 22
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2741.2600
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2742.200
Message-ID: <UZXSc.2179$NE3.975@newssvr22.news.prodigy.com>
NNTP-Posting-Host: 64.218.114.208
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr22.news.prodigy.com 1092373492 ST000 64.218.114.208 (Fri, 13 Aug
2004 01:04:52 EDT)
NNTP-Posting-Date: Fri, 13 Aug 2004 01:04:52 EDT
Organization: SBC http://yahoo.sbc.com
X-UserInfo1:
OXYKR^OF\RU]R\I]]ZN@_TDAYZOZ@GXOXZ^L\UQHWIWDUWYADNVOPCKZBL\NX_KHV^GY[KVMG^ZPNHSCZN
S[^UXFJVWYXVXKBH[XRWWBBDTN@AX\JSBVH]_@T\EKJHBMZ\_WZJFNRY]YWKSPED_U^NC\HSZ\WS[KEAYI
@DO@\K@BP\LD[\GTMPLDFVU]ASJM
Date: Fri, 13 Aug 2004 05:04:52 GMT
Xref: g2news1.google.com rec.ham-radio:87
```

"Jason Edward" <jjason@bak.rr.com> wrote in message

> I will do that. Thank you for the help. Is there any study guides or
> books you'd reccomend as far as the tests go?

www.arrl.org has info on buying study guides, i'm not sure but radio shack used to sell a study book also. your going to be looking for something that will get you your tech license..

> Oh, and I forgot one of the most important questions: what kind of
> radio should I buy? I have no idea what to look or ask for, or even
> where they sell them.

you can check out www.ebay.com for new or used gear.. depending on how much money you want to spend you should look for a nice dual band or single band hand held or mobile radio.. look under the ham radio catigory.

do you use AIM, Yahoo, MSN or ICQ? if so, lemme know how I can contact you, maybe we can talk one on one..

Adair - KD5DYP

```
From 8519163547998034721
X-Google-Thread: 10c9e3,5132c6a88b648877
X-Google-Thread: fa656,5132c6a88b648877
X-Google-Thread: 11480d,5132c6a88b648877
X-Google-Thread: 1120e4,5132c6a88b648877
X-Google-Thread: f64c6,5132c6a88b648877
X-Google-Attributes: gid10c9e3,gidfa656,gid11480d,gid1120e4,gidf64c6,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!fu-berlin.de!uni-
berlin.de!not-for-mail
From: "Rollo Tomassi" <rollotomassi1@hotmail.com>
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,se.hobby.amatorradio,uk.radio.amateur
Subject: Re: DX News service
Date: Fri, 13 Aug 2004 13:55:05 +0200
Lines: 15
Message-ID: <2o3ogeF6nap6U1@uni-berlin.de>
References: <MbNSc.1476$DN6.77@news.get2net.dk>
X-Trace: news.uni-berlin.de 2h62dRIN+s97vMuGK+Y3HAxWESRhmniieweCAZWvtMWAofu5Uv
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1437
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1441
Xref: g2news1.google.com rec.ham-radio:88 rec.radio.amateur:698
rec.radio.amateur.dx:436 se.hobby.amatorradio:72 uk.radio.amateur:17621

Hi All,

Are there some good DX-bullitins which i can receive by email ?



"OZ6OM" <oz7m@image.dk> schreef in bericht
news:MbNSc.1476$DN6.77@news.get2net.dk...
> Major update of DX news at http://www.qsl.net/oz6om
>
> vy 73 Matt OZ6OM
>
>





From 1021121739833284912
X-Google-Thread: 10c9e3,a62008c8d6db60a1
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!
border1.nntp.dca.giganews.com!nntp.giganews.com!local1.nntp.dca.giganews.com!
nntp.comcast.com!news.comcast.com.POSTED!not-for-mail
NNTP-Posting-Date: Fri, 13 Aug 2004 07:44:20 -0500
```

From: "Dee D. Flint" <deeflint01@comcast.net>
Newsgroups: rec.ham-radio
References: <a93f4dc4.0408100904.3d8bcf90@posting.google.com>
<VEgSc.4027$rv.1508@newssvr24.news.prodigy.com>
<a93f4dc4.0408110907.4d7f8f25@posting.google.com>
Subject: Re: Ham newb, need some guidance.
Date: Fri, 13 Aug 2004 08:43:25 -0400
MIME-Version: 1.0
Content-Type: text/plain;
    charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1409
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1409
Message-ID: <OaudneQkgZE5KoHcRVn-jg@comcast.com>
Lines: 40
NNTP-Posting-Host: 68.61.219.45
X-Trace: sv3-1aAhTCq35wiruo+Jq3y8xla8R2XHZwbRi/
9rh6uO+ryxsADBQUivENNe4VCIMTtXp+sdedLMKmAL+hS!
aeAgXzGmRwjcC8TIN+0aLp+A1ytZzCHRNXpOKeu1vnq4K11urfBqM8Gd4zGF
X-Complaints-To: abuse@comcast.net
X-DMCA-Complaints-To: dmca@comcast.net
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint
properly
X-Postfilter: 1.3.13
Xref: g2news1.google.com rec.ham-radio:89

"Jason Edward" <jjason@bak.rr.com> wrote in message
news:a93f4dc4.0408110907.4d7f8f25@posting.google.com...
> I will do that. Thank you for the help. Is there any study guides or
> books you'd reccomend as far as the tests go?
>
> Oh, and I forgot one of the most important questions: what kind of
> radio should I buy? I have no idea what to look or ask for, or even
> where they sell them.

Study guides are available through the ARRL at www.arrl.org. For the Technician license, "Now You're Talking" is the book that you will need. They also have study guides and material for the General and Extra class licenses.

As far as radios go, the ARRL study guide has some info on that even though that is not on the test.

As a Technician, you will have full privileges on the VHF and UHF bands. I would recommend starting with a mobile VHF/UHF radio. These are FM only and primarily good only for local communications (and packet radio, a digital mode) unless there is a major band opening/ Good brands are Kenwood, Yaesu, Icom, and Alinco.

To fully explore the Technician privileges, you may eventually want an HF/VHF/UHF all mode radio so that you can work sideband on the VHF and UHF bands. This can give you a lot more range. Plus when you upgrade to General, you will already be equipped to use the HF bands. Good brands are Kenwood, Yaesu, Icom, and Orion.

I recommend that you join a local club to get advice on licensing and on radios. Different radios have different combinations of features and it is difficult to say what might suit you.

To find a club in your area, check the ARRL website. If that doesn't show anything, do an internet search for amateur radio for your location. That's how I found a new club when I moved.

Dee D. Flint, N8UZE

```
From -4861805729725397640
X-Google-Thread: 10c9e3,5132c6a88b648877
X-Google-Thread: fa656,5132c6a88b648877
X-Google-Thread: 11480d,5132c6a88b648877
X-Google-Thread: 1120e4,5132c6a88b648877
X-Google-Thread: f64c6,5132c6a88b648877
X-Google-Attributes: gid10c9e3,gidfa656,gid11480d,gid1120e4,gidf64c6,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!news.linkpendium.com!
news.linkpendium.com!cox.net!news-xfer.cox.net!p01!fed1read01.POSTED!53ab2750!not-
for-mail
From: "Red Noise" <RN@random.net>
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,se.hobby.amatorradio,uk.radio.amateur
References: <MbNSc.1476$DN6.77@news.get2net.dk> <2o3ogeF6nap6U1@uni-berlin.de>
<eaiph0dpl1au51edg4t37p9qr2avp69pp1@4ax.com>
Subject: Re: DX News service
Lines: 26
Organization: Huh
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2741.2600
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2742.200
Message-ID: <4P4Tc.36849$xk.6909@fed1read01>
Date: Fri, 13 Aug 2004 08:07:44 -0700
NNTP-Posting-Host: 68.107.6.241
X-Complaints-To: abuse@cox.net
X-Trace: fed1read01 1092409664 68.107.6.241 (Fri, 13 Aug 2004 11:07:44 EDT)
NNTP-Posting-Date: Fri, 13 Aug 2004 11:07:44 EDT
Xref: g2news1.google.com rec.ham-radio:91 rec.radio.amateur:701
rec.radio.amateur.dx:438 se.hobby.amatorradio:74 uk.radio.amateur:17653
```

Not by E-Mail -- but here are some on-line sources
don't miss this one from NG3K
http://www.ng3k.com/Misc/adxo.html

Others
http://edxing.com/
http://www.425dxn.org/
http://dx-info.de/
http://www.hfradio.org/dx.html

NewsLetters:
http://www.papays.com/opdx.html
http://www.dailydx.com/

--
Red Noise
=================================

> On Fri, 13 Aug 2004 13:55:05 +0200, "Rollo Tomassi"
<rollotomassi1@hotmail.com>
> wrote:
>
> >Are there some good DX-bullitins which i can receive by email ?
>

```
From -4285766668465296320
X-Google-Thread: 10c9e3,5132c6a88b648877
X-Google-Thread: fa656,5132c6a88b648877
X-Google-Thread: 11480d,5132c6a88b648877
X-Google-Thread: 1120e4,5132c6a88b648877
X-Google-Thread: f64c6,5132c6a88b648877
X-Google-Attributes: gid10c9e3,gidfa656,gid11480d,gid1120e4,gidf64c6,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news2.google.com!fu-berlin.de!uni-berlin.de!not-for-mail
From: "Rollo Tomassi" <rollotomassi1@hotmail.com>
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,se.hobby.amatorradio,uk.radio.amateur
Subject: Re: DX News service
Date: Fri, 13 Aug 2004 17:07:58 +0200
Lines: 20
Message-ID: <2o43qeF688l7U1@uni-berlin.de>
References: <MbNSc.1476$DN6.77@news.get2net.dk> <2o3ogeF6nap6U1@uni-berlin.de>
<eaiph0dpl1au51edg4t37p9qr2avp69pp1@4ax.com>
X-Trace: news.uni-berlin.de px30DCD2u20XBc+vqDy5/gy5q+8jmMG9+LhCY3Ls10xdgj8Gpa
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1437
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1441
Xref: g2news1.google.com rec.ham-radio:92 rec.radio.amateur:703
rec.radio.amateur.dx:439 se.hobby.amatorradio:75 uk.radio.amateur:17654
```

This site is not about DX !!!!

```
"Jock." <real_class_a2003@yahoo.fr> schreef in bericht
news:eaiph0dpl1au51edg4t37p9qr2avp69pp1@4ax.com...
> On Fri, 13 Aug 2004 13:55:05 +0200, "Rollo Tomassi"
<rollotomassi1@hotmail.com>
> wrote:
>
> >Are there some good DX-bullitins which i can receive by email ?
>
> www.425.dxn.org
>
> and others. Google is your friend, as they say!
>
> --
>
> Jock.




From 1020279709349883381
X-Google-Thread: 10c9e3,5132c6a88b648877
X-Google-Thread: fa656,5132c6a88b648877
X-Google-Thread: 11480d,5132c6a88b648877
X-Google-Thread: 1120e4,5132c6a88b648877
X-Google-Thread: f64c6,5132c6a88b648877
X-Google-Attributes: gid10c9e3,gidfa656,gid11480d,gid1120e4,gidf64c6,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!cyclone1.gnilink.net!
gnilink.net!peer01.cox.net!cox.net!p01!fed1read01.POSTED!53ab2750!not-for-mail
From: "Red Noise" <RN@random.net>
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,se.hobby.amatorradio,uk.radio.amateur
References: <MbNSc.1476$DN6.77@news.get2net.dk> <2o3ogeF6nap6U1@uni-berlin.de>
<eaiph0dpl1au51edg4t37p9qr2avp69pp1@4ax.com> <2o43qeF688l7U1@uni-berlin.de>
Subject: Re: DX News service (wrong NG?)
Lines: 44
Organization: Huh
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2741.2600
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2742.200
Message-ID: <U_4Tc.36860$xk.33076@fed1read01>
Date: Fri, 13 Aug 2004 08:20:20 -0700
NNTP-Posting-Host: 68.107.6.241
X-Complaints-To: abuse@cox.net
X-Trace: fed1read01 1092410420 68.107.6.241 (Fri, 13 Aug 2004 11:20:20 EDT)
NNTP-Posting-Date: Fri, 13 Aug 2004 11:20:20 EDT
Xref: g2news1.google.com rec.ham-radio:93 rec.radio.amateur:704
rec.radio.amateur.dx:440 se.hobby.amatorradio:76 uk.radio.amateur:17656

Yep you is right
```

DX shud be at   rec.radio.amateur.dx

There are guidelines as to what Ham topics go where -- at URL:
http://faqs.jmas.co.jp/FAQs/radio/personal-intro

But being NG's are mostly unmoderated -- folks put their for sale items on
all of them.
As well as the OT political rants. Oh well.

Playing NG cop will do little good -- at least it hasn't for the past 4
years (;-(

```
--
Red Noise

=========================
"Rollo Tomassi" <rollotomassi1@hotmail.com> wrote in message
news:2o43qeF688l7U1@uni-berlin.de...
> This site is not about DX !!!!
>
>
> "Jock." <real_class_a2003@yahoo.fr> schreef in bericht
> news:eaiph0dpl1au51edg4t37p9qr2avp69pp1@4ax.com...
> > On Fri, 13 Aug 2004 13:55:05 +0200, "Rollo Tomassi"
> <rollotomassi1@hotmail.com>
> > wrote:
> >
> > >Are there some good DX-bullitins which i can receive by email ?
> >
> > www.425.dxn.org
> >
> > and others. Google is your friend, as they say!
> >
> > --
> >
> > Jock.
>
>
```

```
From 4851266857006285920
X-Google-Thread: 10c9e3,5132c6a88b648877
X-Google-Thread: fa656,5132c6a88b648877
X-Google-Thread: 11480d,5132c6a88b648877
X-Google-Thread: 1120e4,5132c6a88b648877
X-Google-Thread: f64c6,5132c6a88b648877
X-Google-Attributes: gid10c9e3,gidfa656,gid11480d,gid1120e4,gidf64c6,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!cyclone1.gnilink.net!
```

gnilink.net!wns13feed!worldnet.att.net!attbi_s04.POSTED!53ab2750!not-for-mail
From: Dave Shrader <david.shrader@comcast.net>
User-Agent: Mozilla/5.0 (Windows; U; Win98; en-US; rv:1.4) Gecko/20030624 Netscape/7.1 (ax)
X-Accept-Language: en-us, en
MIME-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,se.hobby.amatorradio,uk.radio.amateur
Subject: Re: DX News service
References: <MbNSc.1476$DN6.77@news.get2net.dk> <2o3ogeF6nap6U1@uni-berlin.de> <eaiph0dpl1au51edg4t37p9qr2avp69pp1@4ax.com>
In-Reply-To: <eaiph0dpl1au51edg4t37p9qr2avp69pp1@4ax.com>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
Lines: 25
Message-ID: <3u6Tc.116347$8_6.69492@attbi_s04>
NNTP-Posting-Host: 24.34.70.11
X-Complaints-To: abuse@comcast.net
X-Trace: attbi_s04 1092416511 24.34.70.11 (Fri, 13 Aug 2004 17:01:51 GMT)
NNTP-Posting-Date: Fri, 13 Aug 2004 17:01:51 GMT
Organization: Comcast Online
Date: Fri, 13 Aug 2004 17:01:51 GMT
Xref: g2news1.google.com rec.ham-radio:94 rec.radio.amateur:706 rec.radio.amateur.dx:441 se.hobby.amatorradio:77 uk.radio.amateur:17669

The listed URL has an error!!

And it is available on-line. I have received weekly bulletins for over three years.

Try:
<http://www.425dxn.org/subscrib/subeng.html>

Check the subscribe button and provide the requested info.

DD, W1MCE

Jock. wrote:
> On Fri, 13 Aug 2004 13:55:05 +0200, "Rollo Tomassi" <rollotomassi1@hotmail.com>
> wrote:
>
>
>>Are there some good DX-bullitins which i can receive by email ?
>
>
> www.425.dxn.org
>
> and others. Google is your friend, as they say!
>

From 3010396627556668824

```
X-Google-Thread: 10c9e3,dd67bcac3344bcd2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: rlucch2098@aol.com (Rich)
Newsgroups: rec.ham-radio
Subject: FA: PALOMAR PT-340 "TUNER TUNER" Real Cheep & MINT too:-)
Date: 14 Aug 2004 07:00:50 -0700
Organization: http://groups.google.com
Lines: 15
Message-ID: <ac04ab5b.0408140600.443c9d6d@posting.google.com>
NNTP-Posting-Host: 205.188.116.136
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1092492051 4458 127.0.0.1 (14 Aug 2004 14:00:51 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sat, 14 Aug 2004 14:00:51 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:95

Many nice clear pics.
All items are real inexpensive.
Ebay item numbers>
5713834667
OR>
This is my entire list on Ebay.
You may want to check others while you're there :-)
Please add HTTP in front of the address below as AOL frowns on HOT links :-(
://cgi6.ebay.com/ws/eBayISAPI.dll?ViewListedItems&userid=myradioroom&sort=
3&page=1&rows=25&since=14&rdir=0
Thanks es 73...........RICH-WA2RQY       RLUCCH2098@aol.com
Cheep Manuals for sale @>>
http://www.myradioroom.com/manualsales.html
Web-Page URL>
HTTP://members.aol.com/rlucch2098/index.html


From 5800130676076092162
X-Google-Thread: 10c9e3,6301842b4e8f5235,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: rlucch2098@aol.com (Rich)
Newsgroups: rec.ham-radio
Subject: FA: MURCH UT-2000A TRANSMATCH ROLLER TUNER>1-day
Date: 14 Aug 2004 07:01:24 -0700
Organization: http://groups.google.com
Lines: 15
Message-ID: <ac04ab5b.0408140601.3d805642@posting.google.com>
NNTP-Posting-Host: 205.188.116.136
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1092492084 4525 127.0.0.1 (14 Aug 2004 14:01:24 GMT)
X-Complaints-To: groups-abuse@google.com
```

NNTP-Posting-Date: Sat, 14 Aug 2004 14:01:24 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:96

Many nice clear pics.
All items are real inexpensive.
Ebay item numbers>
5713836898
OR>
This is my entire list on Ebay.
You may want to check others while you're there :-)
Please add HTTP in front of the address below as AOL frowns on HOT links :-(
://cgi6.ebay.com/ws/eBayISAPI.dll?ViewListedItems&userid=myradioroom&sort=
3&page=1&rows=25&since=14&rdir=0
Thanks es 73...........RICH-WA2RQY   RLUCCH2098@aol.com
Cheep Manuals for sale @>>
http://www.myradioroom.com/manualsales.html
Web-Page URL>
HTTP://members.aol.com/rlucch2098/index.html

From -4608898240283731948
X-Google-Thread: 10c9e3,183f8c01af9b6757,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: rlucch2098@aol.com (Rich)
Newsgroups: rec.ham-radio
Subject: FA: QRP 10/100 watt MURA CBT-35 SWR/POWER METER w/built-in TUNER>1-day!
Date: 14 Aug 2004 07:02:16 -0700
Organization: http://groups.google.com
Lines: 16
Message-ID: <ac04ab5b.0408140602.69a353e@posting.google.com>
NNTP-Posting-Host: 205.188.116.136
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1092492137 4548 127.0.0.1 (14 Aug 2004 14:02:17 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sat, 14 Aug 2004 14:02:17 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:97

Many nice clear pics.
All items are real inexpensive.
GREAT FOR QRP!
Ebay item numbers>
5713837035
OR>
This is my entire list on Ebay.
You may want to check others while you're there :-)
Please add HTTP in front of the address below as AOL frowns on HOT links :-(
://cgi6.ebay.com/ws/eBayISAPI.dll?ViewListedItems&userid=myradioroom&sort=
3&page=1&rows=25&since=14&rdir=0
Thanks es 73...........RICH-WA2RQY   RLUCCH2098@aol.com
Cheep Manuals for sale @>>

```
http://www.myradioroom.com/manualsales.html
Web-Page URL>
HTTP://members.aol.com/rlucch2098/index.html


From 1466560552503086854
X-Google-Thread: 10c9e3,e3407d80ef475d51,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: johnarockets@yahoo.com (GC Poker)
Newsgroups: rec.ham-radio
Subject: $200 Bonus to try online POKER
Date: 15 Aug 2004 12:21:45 -0700
Organization: http://groups.google.com
Lines: 11
Message-ID: <3c7711fc.0408151121.122b580b@posting.google.com>
NNTP-Posting-Host: 69.40.27.8
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1092597705 17130 127.0.0.1 (15 Aug 2004 19:21:45 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sun, 15 Aug 2004 19:21:45 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:98

Have you seen poker on TV and want to get in on the action? Do you
already play but want a great bonus?  The Gaming Club Poker room will
give you up to a $200 bonus on just a $20 deposit.  The bonus is given
to you in $20 increments as you play more hands.  You will get a total
bonus of $200.  See the link for details.
http://www.gamingclubpoker.com/promo/15free/index.asp?s=aff90044
You will also get an entry into a rookie freeroll tournament with a
$5,000 prizepool.
Hundreds of thousands play here everyday, it is totally safe and
secure.  The cashouts are quick, and they also have many tournaments
that you can play


From -3895326793868378436
X-Google-Thread: 10c9e3,d0bc3ebe01d407e2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: mikem@evenlink.com (Mike M.)
Newsgroups: rec.ham-radio
Subject: Toshiba Multi-band radio (Model no. 18L-125F)
Date: 15 Aug 2004 16:55:12 -0700
Organization: http://groups.google.com
Lines: 6
Message-ID: <5780fb10.0408151555.18ae4b6c@posting.google.com>
NNTP-Posting-Host: 12.172.242.91
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
```

X-Trace: posting.google.com 1092614113 29363 127.0.0.1 (15 Aug 2004 23:55:13 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sun, 15 Aug 2004 23:55:13 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:99

Hi,
  Anyone familiar with this portable radio? It is transisterized and
without batteries is heavy. It has a dial under the volume dutton
labled "MCG".
Thanks,
Mike

From -8639804990982131814
X-Google-Thread: 10c9e3,425378b73c180559,start
X-Google-Thread: fa656,425378b73c180559,start
X-Google-Thread: f84e8,425378b73c180559,start
X-Google-Thread: 11480d,425378b73c180559,start
X-Google-Thread: 108122,425378b73c180559,start
X-Google-Thread: fc2a5,425378b73c180559,start
X-Google-Thread: 107ada,425378b73c180559,start
X-Google-Attributes:
gid10c9e3,gidfa656,gidf84e8,gid11480d,gid108122,gidfc2a5,gid107ada,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!bigfeed.bellsouth.net!
bignumber.bellsouth.net!news.bellsouth.net!bignews1.bellsouth.net.POSTED!04495d98!
not-for-mail
From: "Eric Sims - k4sci" <k4sci@bellsouth.net>
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.digital,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc
Subject: NEW! - Icom Message Boards
Lines: 14
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1437
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1441
Message-ID: <JEuUc.112$ph4.106@bignews1.bellsouth.net>
X-Complaints-To: abuse@bellsouth.net
X-Abuse-Info: Please forward a copy of all headers for proper handling
X-Trace:
pcpocbcnbdmdhgfgdbdpiflmbcekedmfhojhikkbagflhcboeemfbihdjmebjpadogladjdhhiogcnjdke
lpojkbipelkjkoemeaodaoighnjliglpjoejdfodkkeclbokphccdiidjdlbofomlgcccebcdfdbbm
NNTP-Posting-Date: Tue, 17 Aug 2004 17:20:41 EDT
Organization: BellSouth Internet Group
Date: Tue, 17 Aug 2004 16:21:22 -0500
Xref: g2news1.google.com rec.ham-radio:100 rec.radio.amateur:746
rec.radio.amateur.digital:23 rec.radio.amateur.dx:454
rec.radio.amateur.equipment:1867 rec.radio.amateur.homebrew:2652
rec.radio.amateur.misc:1686

Now online for the Icom radio owner... Icom Radios Dot Net

This is a new website with forums for all of Icom's current rigs...But we need users! Surf by now!

http://www.icomradios.net

Click on FORUMS and sign up with your callsign.

Thank's for your support!

Ric - k4sci

```
From -6813329979683704531
X-Google-Thread: 10c9e3,6ff2c4ada0abe915,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!meganewsservers.com!
feeder2.on.meganewsservers.com!zen.net.uk!demorgan.zen.co.uk!194.72.9.35.MISMATCH!
news-peer1!btnet-feed5!btnet!news.btopenworld.com!not-for-mail
From: g3zhi@hotmail.com (g3zhi)
Newsgroups: rec.ham-radio
Subject: gb3dx echolink download audio of the iss school contact monday
Date: Wed, 18 Aug 2004 07:13:56 +0000 (UTC)
Organization: BT Openworld
Lines: 27
Message-ID: <41330148.3847781@news.btinternet.com>
NNTP-Posting-Host: host213-122-51-101.in-addr.btopenworld.com
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: titan.btinternet.com 1092813236 24713 213.122.51.101 (18 Aug 2004
07:13:56 GMT)
X-Complaints-To: news-complaints@lists.btinternet.com
NNTP-Posting-Date: Wed, 18 Aug 2004 07:13:56 +0000 (UTC)
X-Newsreader: Forte Agent 1.5/32.452
Xref: g2news1.google.com rec.ham-radio:101
```

gb3dx echolink download audio of the iss school contact monday

http://www.btinternet.com/~g4kqu/ISS_Contact.htm

73 Ian G3ZHI

http://www.qsl.net/g3zhi - many ham radio links
http://www.ukirlp.co.uk

G4NJI IRLP 5200 Echolink 135909
Rotherham simplex 145.2875mhz

GB3XN IRLP 5708 Echolink 153126
Langold 430.925 Mhz

Ian Abel G3ZHI
52 Hollytree Ave
Maltby
Rotherham
Yorkshire
S66 8DY

Tel: 01709 799911
Mobile 0783 338 0578

```
From 2054947153881740613
X-Google-Thread: 10c9e3,a62008c8d6db60a1
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!prodigy.com!
newsmst01a.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr29.news.prodigy.com.POSTED!7c28f46d!not-for-mail
From: "KG6VQE" <info<nospam>@thecomputerdood.com>
Newsgroups: rec.ham-radio
References: <a93f4dc4.0408100904.3d8bcf90@posting.google.com>
Subject: Re: Ham newb, need some guidance.
Lines: 64
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2900.2180
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2900.2180
X-RFC2646: Format=Flowed; Original
Message-ID: <KNQUc.7527$WW.5475@newssvr29.news.prodigy.com>
NNTP-Posting-Host: 69.111.28.157
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr29.news.prodigy.com 1092868330 ST000 69.111.28.157 (Wed, 18 Aug
2004 18:32:10 EDT)
NNTP-Posting-Date: Wed, 18 Aug 2004 18:32:10 EDT
Organization: SBC http://yahoo.sbc.com
X-UserInfo1:
OP\ABY[EFZYWG_ISN[O@_WH@YR_B@EXLLBWLOOAFQATJUZ]CDVW[AKK[J\]^HVKHG^EWZHBLO^[\NH_AZF
WGN^\DHNVMX_DHHX[FSQKBOTS@@BP^]C@RHS_AGDDC[AJM_T[GZNRNZAY]GNCPBDYKOLK^_CZFWPGHZIXW
@C[AFKBBQS@E@DAZ]VDFUNTQQ]FN
Date: Wed, 18 Aug 2004 22:32:10 GMT
Xref: g2news1.google.com rec.ham-radio:102
```

I concur on trying to find a club...it would be much easier. I was a Ham in the 1980's...Let it slip, and am just coming back. I studied using some online resources, and you can download the "Pool" questions from the ARRL.ORG site. These are the entire question list from which they make the tests..It is a good excercise, once you study, to see what you know....Don't memorize them, but try to learn by them.

As far as building equpment, the best way is to look for QRP equipment. QRP is low power .1 - 5 watts or less. It is usually restricted for the HF bands (80Meters, 40Meters, 20Meters - all below 30 Megahertz). The VHF-UHF stuff gets tricky to build because it is higher frequency.

I have purchase lots of stuff of ebay. Most of it is good quality. My experience is Amateur Radio Operators are a good bunch, and rarely will you get stuck with junk. If you go for the TECH Exam (No Morse Code), look at a 2 Meter or 440 Rig. I have seen them for around 50-100 bucks. Also check out eham.net. They have a classified section. Because VHF/UHF stuff is line of site, you usually use this equipment with a repeater. A repeater is a receiver/transmitter on a tower or hill, that receives your signal, and retransmits it on a different frequency. Your transmitter has an "OFFSET" switch (600 Kilohertz for 2 Meter) that automatically send your signal on the right frquency. You then listen on a different frequency. I have purchase 2 Meter HT (handi-talkie) for about $50.00.

To talk globally, you will want to get on the HF bands. That takes learning Morse Code at 5 Words Per minute. It is pretty easy, and there are tons of learning tools on the Web. I downloaded several, that let you cut and paste text into, and plays morse through your speakers. The ARRL also has Code Lessons, that let you learn. Once you get your 5 WPM Code, you can talk on the High Frequency ham bands...Then you can build and use that neat QRP equipment I talked about.

Also, every June, they have "Field Day". This is an emergency excercise, where clubs and indivuduals set up portable equpment and make contacts. It is to prepare for emergencies, but is also a social event.

This is really a good hobby. I don't know if you heard, but my local CBS affiliate in Los Angeles talked about HAM RADIO helping out with Hurricane Charlie relief efforts. The Cell Phones, and Phone Lines are down, but Hams with Portable equpment are providing emergency comm's in the area. Let me know if you need any additional information, I would be glad to provide it.

Eric H.
KG6VQE
Rancho Santa Margarita, California

--

This mailbox protected from junk email by MailFrontier Desktop
from MailFrontier, Inc. http://info.mailfrontier.com

"Jason Edward" <jjason@bak.rr.com> wrote in message
news:a93f4dc4.0408100904.3d8bcf90@posting.google.com...

> I've recently just become interested in ham radio. I'm 22 year old college student with somewhat limited funds. I've heard of people building radios. Is that something you can do with just instructional books or is that something only advanced people do? And what kind of radio would be good for somebody like me, just getting into it? Thanks

> for any and all help.
>

```
From -7574086364013466961
X-Google-Thread: 10c9e3,d778c09ed77f19b8
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!prodigy.com!
newsmst01a.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr29.news.prodigy.com.POSTED!7c28f46d!not-for-mail
From: "KG6VQE" <info<nospam>@thecomputerdood.com>
Newsgroups: rec.ham-radio
References: <M5iGc.18327$uK.17738@twister.tampabay.rr.com>
Subject: Re: The lady was SCAMMED by XE2FLR
Lines: 12
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2900.2180
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2900.2180
X-RFC2646: Format=Flowed; Original
Message-ID: <5UQUc.7528$HZ.5792@newssvr29.news.prodigy.com>
NNTP-Posting-Host: 69.111.28.157
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr29.news.prodigy.com 1092868737 ST000 69.111.28.157 (Wed, 18 Aug
2004 18:38:57 EDT)
NNTP-Posting-Date: Wed, 18 Aug 2004 18:38:57 EDT
Organization: SBC http://yahoo.sbc.com
X-UserInfo1:
FKPGWUCD[ZWUSI@S\@_D]_\@VR]^@B@MCPWZKB]MPXHBTWICYFWUQBKZQLYJX\_ITFD_KFVLUN[DOM_A_N
SYNWPFWNS[XV\I]PZ@BQ[@CDQDPCL^FKCBIPC@KLGEZEFNMDYMKHRL_YYYGDSSODXYN@[\BK[LVTWI@AXG
QCOA_SAH@TPD^\AL\RLGRFWEARBM
Date: Wed, 18 Aug 2004 22:38:57 GMT
Xref: g2news1.google.com rec.ham-radio:103
```

I didn't think you could reverse a payment from a confirmed PAYPAL member. I am a confirmed member, and the payments go straight from my bank account. I use a Credit Card for a backup. Why does PAYPAL allow this? If that is the case, I will not use it, or get my money before shipments. The whole idea of PayPal was a secure means of exchanging money.

Guess I learned something.

Now it is SELLER BEWARE. His promise of paying doesn't mean squat, until he dishes out the money.

```
From 5786502385037199093
X-Google-Thread: 10c9e3,5132c6a88b648877
```

X-Google-Thread: fa656,5132c6a88b648877
X-Google-Thread: 11480d,5132c6a88b648877
X-Google-Thread: 1120e4,5132c6a88b648877
X-Google-Thread: f64c6,5132c6a88b648877
X-Google-Attributes: gid10c9e3,gidfa656,gid11480d,gid1120e4,gidf64c6,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!
border1.nntp.dca.giganews.com!nntp.giganews.com!local1.nntp.dca.giganews.com!
nntp.vnet-inc.com!news.vnet-inc.com.POSTED!not-for-mail
NNTP-Posting-Date: Tue, 24 Aug 2004 05:00:18 -0500
From: s. hanrahan <user@hotmail.com>
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,se.hobby.amatorradio,uk.radio.amateur
Subject: Re: DX News service
Date: Tue, 24 Aug 2004 04:00:12 -0600
Message-ID: <lt1mi0142nue7fsvg12asfjjg1fjk1fl4e@4ax.com>
References: <MbNSc.1476$DN6.77@news.get2net.dk> <2o3ogeF6nap6U1@uni-berlin.de>
X-Newsreader: Forte Agent 2.0/32.652
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 18
NNTP-Posting-Host: 216.129.249.119
X-Trace:
sv3-48JS23qNXtp0C52HE86tl1FZ8FM+woexqp7N1u7H0PAeaTJvVmmeFlNqoUcLO8UTEkGdc4V7So1clV
e!f/N/mdrSuvKVPWlum41pqHY7G6nelzb/WtwroNy0MFRX6e3eovCgKm+PwZy1oB4VPrvV/g8vTdL/!
NSdE65iQ6onmZg==
X-Complaints-To: abuse@vnet-inc.com
X-DMCA-Complaints-To: abuse@vnet-inc.com
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint properly
X-Postfilter: 1.3.13
Xref: g2news1.google.com rec.ham-radio:104 rec.radio.amateur:793
rec.radio.amateur.dx:481 se.hobby.amatorradio:84 uk.radio.amateur:18851

On Fri, 13 Aug 2004 13:55:05 +0200, "Rollo Tomassi"
<rollotomassi1@hotmail.com> wrote:

>Hi All,
>
>Are there some good DX-bullitins which i can receive by email ?
>
>

One I use exclusively, aside from the ARRL DX Bulletin is the
Ohio/Penn DX Bulletin (more extensive than the ARLDX bulletins).

Ohio/Penn DX Bulletin: http://www.papays.com/opdx.html

Both can be read on the WWW or received through e-mail.

Stacey/AA7YA

From -4749828994423305764
X-Google-Thread: 10c9e3,34a6b28b4eff28a1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: len@shellworld.net (Len Burns)
Newsgroups: rec.ham-radio
Subject: Trouble with a Yaesu MH-29 Speaker Mic
Date: 25 Aug 2004 03:27:53 -0700
Organization: http://groups.google.com
Lines: 15
Message-ID: <ab5d0e9c.0408250227.1b48b230@posting.google.com>
NNTP-Posting-Host: 209.61.182.169
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1093429673 6741 127.0.0.1 (25 Aug 2004 10:27:53 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Wed, 25 Aug 2004 10:27:53 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:105

I have a Yaesu FT-530 with the MH-29 hand mic. I have had the
rig for several years and it has been very reliable.
Recently however I have begun having troubles with the MH-29.
First, one morning I turned on the FT-530 and discovered that
the button on the MH-29 that up to now had flipped between 2 meters and
440 now was changing the frequency of the tranceiver. I do not
have the manual for the MH-29, and so I do not really know if something has
become mis-mapped, or if this is difficult to resolve.
About a week ago the PTT switch on the MH-29 began to work intermitently.
There seems to be no clear pattern, and it does not appear to be
caused by the cable. Any insights or pointers into the resolution
of these difficulties would be sincerely appreciated, or
perhaps it is time to track down a replacement? Thanks in advance!

-Len - KK6MG

From 2290284050854466483
X-Google-Thread: 10c9e3,9b8a4082ffdf1820,start
X-Google-Thread: fa656,9b8a4082ffdf1820,start
X-Google-Thread: 11480d,9b8a4082ffdf1820,start
X-Google-Thread: 107ada,9b8a4082ffdf1820,start
X-Google-Thread: 106d41,9b8a4082ffdf1820,start
X-Google-Attributes: gid10c9e3,gidfa656,gid11480d,gid107ada,gid106d41,public
X-Google-Language: ENGLISH,ASCII
Path: g2news1.google.com!news2.google.com!proxad.net!news.tele.dk!news.tele.dk!small.news.tele.dk!newsfeed1.e.nsc.no!uio.no!newsfeed1.uni2.dk!news.get2net.dk.POSTED!53ab2750!not-for-mail
From: "OZ6OM" <oz7m@image.dk>
Newsgroups: rec.ham-

radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.misc,rec.radio.cb
Subject: DX news
Lines: 7
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4922.1500
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4925.2800
Message-ID: <z2vXc.9806$fK4.5549@news.get2net.dk>
Date: Fri, 27 Aug 2004 02:15:59 +0200
NNTP-Posting-Host: 192.38.163.59
X-Complaints-To: abuse@uni2.dk
X-Trace: news.get2net.dk 1093565727 192.38.163.59 (Fri, 27 Aug 2004 02:15:27 CEST)
NNTP-Posting-Date: Fri, 27 Aug 2004 02:15:27 CEST
Organization: UNI2 Internet Kunde
Xref: g2news1.google.com rec.ham-radio:106 rec.radio.amateur:804
rec.radio.amateur.dx:490 rec.radio.amateur.misc:1773 rec.radio.cb:5896

Hi

The latest DX news update can be found at http://www.qsl.net/oz6om

vy 73 de OZ6OM Bj�rn "Matt"

From 304554219290234835
X-Google-Thread: 10c9e3,7c228b929836d9ab,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: rlucch2098@aol.com (Rich)
Newsgroups: rec.ham-radio
Subject: FA: Johnson 130A, AMPROBE DMM>NEW, Ham Xtals, MUCH MORE HAM STUFF
Date: 28 Aug 2004 07:21:51 -0700
Organization: http://groups.google.com
Lines: 12
Message-ID: <ac04ab5b.0408280621.42a44656@posting.google.com>
NNTP-Posting-Host: 152.163.252.198
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1093702911 30649 127.0.0.1 (28 Aug 2004 14:21:51 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sat, 28 Aug 2004 14:21:51 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:107

Many nice clear pics.
All items are real inexpensive.
No Junk here folks, all exactly as described.
This is my entire list on Ebay.
You may want to check others while you're there :-)
http://cgi6.ebay.com/ws/eBayISAPI.dll?ViewListedItems&userid=myradioroom&sort=
3&page=1&rows=25&since=14&rdir=0

Thanks es 73...........RICH-WA2RQY RLUCCH2098@aol.com
Cheep Manuals for sale @>>
http://www.myradioroom.com/manualsales.html
Web-Page URL>
HTTP://members.aol.com/rlucch2098/index.html

From 5426955503412292630
X-Google-Thread: 10c9e3,ea3794055c43f212,start
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!
border1.nntp.dca.giganews.com!nntp.giganews.com!newsfeed-east.nntpserver.com!
nntpserver.com!hydra.nntpserver.com.POSTED!77d065cb!not-for-mail
Reply-To: "Walter Jinright" <esarcommunications@juno.com>
From: "Walter Jinright" <esarcommunications@juno.com>
Newsgroups: rec.ham-radio
Subject: newbie
Lines: 11
Organization: Escambia Search and Rescue
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1409
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1409
Message-ID: <G9jYc.20741$JG7.18088@hydra.nntpserver.com>
NNTP-Posting-Date: Sun, 29 Aug 2004 06:32:54 EST
X-Abuse-Report: http://www.usenetabuse.com
Date: Sun, 29 Aug 2004 06:32:46 -0500
Xref: g2news1.google.com rec.ham-radio:108

Just wanted to say hello. I am KG4BVD, Communications/Dispatch Commander for Escambia Search and Rescue, in Pensacola, FL.

--
Maj. Walter Jinright
Communications Commander
Escambia Search & Rescue
Pensacola, FL

From -4384727858930355180
X-Google-Thread: 114a57,7c0bb58e1858cf20,start
X-Google-Thread: 108228,7c0bb58e1858cf20,start
X-Google-Thread: f7673,7c0bb58e1858cf20,start
X-Google-Thread: 10c9e3,7c0bb58e1858cf20,start
X-Google-Thread: f76e2,7c0bb58e1858cf20,start
X-Google-Attributes: gid114a57,gid108228,gidf7673,gid10c9e3,gidf76e2,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!cox.net!news-
xfer.cox.net!p01!fed1read01.POSTED!53ab2750!not-for-mail

From: "Richard W. Haviland" <rwhaviland@hotmail.com>
Newsgroups: alt.ham-radio.hf,alt.ham-radio.marketplace,att.ham-radio,man.ham-radio,phx.buy-sell-trade,rec.ham-radio,rec.ham-radio.swap
Subject: FS Yaesu Ft-890 AT HF Transceiver
Lines: 8
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2900.2180
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2900.2180
X-RFC2646: Format=Flowed; Original
Message-ID: <lInYc.40460$4o.33248@fed1read01>
Date: Sun, 29 Aug 2004 09:43:04 -0700
NNTP-Posting-Host: 68.110.81.148
X-Complaints-To: abuse@cox.net
X-Trace: fed1read01 1093797777 68.110.81.148 (Sun, 29 Aug 2004 12:42:57 EDT)
NNTP-Posting-Date: Sun, 29 Aug 2004 12:42:57 EDT
Organization: Cox Communications
Xref: g2news1.google.com alt.ham-radio.hf:308 alt.ham-radio.marketplace:577 phx.buy-sell-trade:315 rec.ham-radio:109 rec.ham-radio.swap:324

I have, for sale, a Yaesu FT 890 AT all mode ham radio tranceiver. All features are 100% functional and in great condition. Included with radio are: Original hand mic, 12 VDC power cord, mobile mounting bracket, operation manual, and complete service manual. Radio also has CW filters and has been modified to allow MARS operation. Great first radio and fantastic for use in the RV. First $450 takes it. Call Rick @ (602) 438-8325

From -5454962924547818738
X-Google-Thread: 10c9e3,ea3794055c43f212
X-Google-Attributes: gid10c9e3,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!prodigy.com!newsmst01a.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!newssvr22.news.prodigy.com.POSTED!06f8e59d!not-for-mail
From: "Adair Winter" <drummer_adair@mail.com>
Newsgroups: rec.ham-radio
References: <G9jYc.20741$JG7.18088@hydra.nntpserver.com>
Subject: Re: newbie
Lines: 18
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1437
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1441
Message-ID: <inoYc.14713$AZ4.10085@newssvr22.news.prodigy.com>
NNTP-Posting-Host: 65.68.182.41
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr22.news.prodigy.com 1093800526 ST000 65.68.182.41 (Sun, 29 Aug 2004 13:28:46 EDT)
NNTP-Posting-Date: Sun, 29 Aug 2004 13:28:46 EDT
Organization: SBC http://yahoo.sbc.com

```
X-UserInfo1:
FKPO@MC@@S@WBPLYTJIX_U@JUSXHQD\MNPWZKB]MPXHNDQUBLNTC@AWZWDXZXQ[K\FFSKCVM@F_N_DOBWV
WG__LG@VVOIPLIGX\
\BU_B@\P\PFX\B[APHTWAHDCKJF^NHD[YJAZMCY_CWG[SX\Y]^KC\HSZRWSWKGAY_PC[BQ[BXAS\F\
\@DMTLFZFUE@\VL
Date: Sun, 29 Aug 2004 17:28:46 GMT
Xref: g2news1.google.com rec.ham-radio:110

WELCOME!
Adair - KD5DYP
"Walter Jinright" <esarcommunications@juno.com> wrote in message
news:G9jYc.20741$JG7.18088@hydra.nntpserver.com...
> Just wanted to say hello. I am KG4BVD, Communications/Dispatch Commander
for
> Escambia Search and Rescue, in Pensacola, FL.
>
> --
> Maj. Walter Jinright
> Communications Commander
> Escambia Search & Rescue
> Pensacola, FL
>
>
>




From 8071887617985464543
X-Google-Thread: 10c9e3,f9d0bd8334e534cc,start
X-Google-Thread: 108778,f9d0bd8334e534cc,start
X-Google-Thread: fb049,f9d0bd8334e534cc,start
X-Google-Thread: 108122,f9d0bd8334e534cc,start
X-Google-Thread: 1031c8,f9d0bd8334e534cc,start
X-Google-Attributes: gid10c9e3,gid108778,gidfb049,gid108122,gid1031c8,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!cyclone1.gnilink.net!
gnilink.net!wn14feed!worldnet.att.net!attbi_s53.POSTED!53ab2750!not-for-mail
From: Andy Entrekin <entrekin@iname.com>
User-Agent: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.4) Gecko/20030624
Netscape/7.1 (ax)
X-Accept-Language: en-us, en
MIME-Version: 1.0
Newsgroups: rec.ham-radio,alt.radio.amateur,alt.ham-radio.vhf-
uhf,rec.radio.amateur.equipment,rec.radio.amateur.swap
Subject: New ham wants advice on a good 2m/440 HT for a first radio
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
Lines: 28
Message-ID: <TTaZc.94588$Fg5.26081@attbi_s53>
NNTP-Posting-Host: 24.0.68.249
X-Complaints-To: abuse@comcast.net
X-Trace: attbi_s53 1094007411 24.0.68.249 (Wed, 01 Sep 2004 02:56:51 GMT)
```

NNTP-Posting-Date: Wed, 01 Sep 2004 02:56:51 GMT
Organization: Comcast Online
Date: Wed, 01 Sep 2004 02:56:51 GMT
Xref: g2news1.google.com rec.ham-radio:111 alt.radio.amateur:204 alt.ham-radio.vhf-uhf:1639 rec.radio.amateur.equipment:2077 rec.radio.amateur.swap:420

I passed my Element 2 exam last week and am eagerly awaiting the posting of my Tech ticket on the FCC site. In the meantime, I have been doing research on radios. I have considered as many factors as I know of, including TX power, physical size, and portability. My needs have led me to look for a good handheld unit. Before anyone chimes in with a recommendation to go for a mobile, let me say that being able to carry the radio with me wherever I go is a must, which rules out mobiles.

I am looking for opinions about HTs that cover the 2meter and 70cm bands and have at least 5 watts output. I value the opinions and experiences of other hams, so I figured that these newsgroups would be a good place to solicit them.

Please either post your opinions here, or feel free to email me at "entrekin-at-iname-dot-com" with the appropriate symbols (low-tech anti-spam measure). I look forward to getting lots of input!

Thanks,
Andy Entrekin
Bedford TX USA

For any of you who frown on cross-posting:
Sorry for the cross-posting, but I wanted to get as many responses as possible. If I hadn't cross-posted, I would have just copied this same message in to each post to a single group. This just seemed smarter.

From 7087088750325913183
X-Google-Thread: 10c9e3,f9d0bd8334e534cc
X-Google-Thread: 108778,f9d0bd8334e534cc
X-Google-Thread: fb049,f9d0bd8334e534cc
X-Google-Thread: 108122,f9d0bd8334e534cc
X-Google-Thread: 1031c8,f9d0bd8334e534cc
X-Google-Attributes: gid10c9e3,gid108778,gidfb049,gid108122,gid1031c8,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!border1.nntp.dca.giganews.com!nntp.giganews.com!peer01.cox.net!cox.net!p01!fed1read07.POSTED!53ab2750!not-for-mail
From: "Micro MegaWatt" <MMW@power.net>
Newsgroups: rec.ham-radio,alt.radio.amateur,alt.ham-radio.vhf-uhf,rec.radio.amateur.equipment,rec.radio.amateur.swap
References: <TTaZc.94588$Fg5.26081@attbi_s53>
Subject: Re: New ham wants advice on a good 2m/440 HT for a first radio
Lines: 46

Organization: Some
X-Newsreader: Microsoft Outlook Express 6.00.2741.2600
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2742.200
Message-ID: <96bZc.37462$bT1.26382@fed1read07>
Date: Tue, 31 Aug 2004 20:12:05 -0700
NNTP-Posting-Host: 68.7.146.8
X-Complaints-To: abuse@cox.net
X-Trace: fed1read07 1094008325 68.7.146.8 (Tue, 31 Aug 2004 23:12:05 EDT)
NNTP-Posting-Date: Tue, 31 Aug 2004 23:12:05 EDT
Xref: g2news1.google.com rec.ham-radio:112 alt.radio.amateur:205 alt.ham-radio.vhf-uhf:1641 rec.radio.amateur.equipment:2078 rec.radio.amateur.swap:421

You can see many user reviews at e-ham reviews:
http://www.eham.net/reviews/products/49

I have the Kenwood TH-F6 -- Love It, the Yaesu VX seies are very popular as well

--
One Watt

To steal ideas from one person is plagiarism;
to steal from many is research.
-- Comedian Steven Wright

"Andy Entrekin" <entrekin@iname.com> wrote in message
news:TTaZc.94588$Fg5.26081@attbi_s53...
> I passed my Element 2 exam last week and am eagerly awaiting the posting
> of my Tech ticket on the FCC site. In the meantime, I have been doing
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>
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>
> Thanks,
> Andy Entrekin
> Bedford TX USA
>
>
>
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> Sorry for the cross-posting, but I wanted to get as many responses as

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> message in to each post to a single group. This just seemed smarter.
>

```
From 6304532285595400958
X-Google-Thread: 10c9e3,f9d0bd8334e534cc
X-Google-Thread: 108778,f9d0bd8334e534cc
X-Google-Thread: fb049,f9d0bd8334e534cc
X-Google-Thread: 108122,f9d0bd8334e534cc
X-Google-Thread: 1031c8,f9d0bd8334e534cc
X-Google-Attributes: gid10c9e3,gid108778,gidfb049,gid108122,gid1031c8,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!
border1.nntp.dca.giganews.com!nntp.giganews.com!peer01.cox.net!cox.net!p01!
fed1read07.POSTED!53ab2750!not-for-mail
From: "Micro MegaWatt" <MMW@power.net>
Newsgroups: rec.ham-radio,alt.radio.amateur,alt.ham-radio.vhf-
uhf,rec.radio.amateur.equipment,rec.radio.amateur.swap
References: <TTaZc.94588$Fg5.26081@attbi_s53>
Subject: Re: New ham wants advice on a good 2m/440 HT for a first radio
Lines: 46
Organization: Some
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2741.2600
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2742.200
Message-ID: <r6bZc.37463$bT1.17070@fed1read07>
Date: Tue, 31 Aug 2004 20:12:18 -0700
NNTP-Posting-Host: 68.7.146.8
X-Complaints-To: abuse@cox.net
X-Trace: fed1read07 1094008343 68.7.146.8 (Tue, 31 Aug 2004 23:12:23 EDT)
NNTP-Posting-Date: Tue, 31 Aug 2004 23:12:23 EDT
Xref: g2news1.google.com rec.ham-radio:113 alt.radio.amateur:206 alt.ham-
radio.vhf-uhf:1642 rec.radio.amateur.equipment:2079 rec.radio.amateur.swap:422
```

You can see many user reviews at e-ham reviews:
http://www.eham.net/reviews/products/49

I have the Kenwood TH-F6 -- Love It, the Yaesu VX seies are very popular as well

--
One Watt

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to steal from many is research.
-- Comedian Steven Wright

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```
news:TTaZc.94588$Fg5.26081@attbi_s53...
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>
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> message in to each post to a single group.  This just seemed smarter.
>




From -1009266794146470957
X-Google-Thread: 10c9e3,f9d0bd8334e534cc
X-Google-Thread: 108778,f9d0bd8334e534cc
X-Google-Thread: fb049,f9d0bd8334e534cc
X-Google-Thread: 108122,f9d0bd8334e534cc
X-Google-Thread: 1031c8,f9d0bd8334e534cc
X-Google-Attributes: gid10c9e3,gid108778,gidfb049,gid108122,gid1031c8,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!cox.net!news-
xfer.cox.net!p01!fed1read04.POSTED!53ab2750!not-for-mail
From: "Sal M. Onella" <salmonella@food.poisoning.org>
Newsgroups: rec.ham-radio,alt.radio.amateur,alt.ham-radio.vhf-
uhf,rec.radio.amateur.equipment,rec.radio.amateur.swap
References: <TTaZc.94588$Fg5.26081@attbi_s53>
Subject: Re: New ham wants advice on a good 2m/440 HT for a first radio
Lines: 38
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4942.400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4942.400
```

Message-ID: <LvbZc.229401$Oi.67833@fed1read04>
Date: Tue, 31 Aug 2004 20:39:23 -0700
NNTP-Posting-Host: 68.111.154.44
X-Complaints-To: abuse@cox.net
X-Trace: fed1read04 1094009963 68.111.154.44 (Tue, 31 Aug 2004 23:39:23 EDT)
NNTP-Posting-Date: Tue, 31 Aug 2004 23:39:23 EDT
Organization: Cox Communications
Xref: g2news1.google.com rec.ham-radio:114 alt.radio.amateur:207 alt.ham-radio.vhf-uhf:1643 rec.radio.amateur.equipment:2080 rec.radio.amateur.swap:423

"Andy Entrekin" <entrekin@iname.com> wrote in message
news:TTaZc.94588$Fg5.26081@attbi_s53...

< snip >

> I am looking for opinions about HTs that cover the 2meter and 70cm bands
> and have at least 5 watts output. I value the opinions and experiences
> of other hams, so I figured that these newsgroups would be a good place
> to solicit them.

< snip >
I haven't bought a new dual-bander recently, but I love my Yaesu FT-530. It has been bullet-proof. I have dropped it, overheated it (both internally and with sunshine on a car seat) and it keeps coming back for more.

Based on my experience, you should have
    -- a radio with external 12V power input
    -- a radio has a detachable antenna (BNC mount probably best)
    -- an external speaker/mike for your radio (I think they all accept one.)
    -- a repeater directory for your area (or find one on the Internet)
    -- at least one outside antenna cabled into a favored operating location (2M j-pole also works on 440)
    -- a holder for your HT that props it up on a desktop or bench
    -- an accessory battery for long-term worry-free portable operation (Gel-cells are good.)

5 watts on VHF/UHF will generally take you out to the radio horizon, or to a high-level repeater even with a rubber duck antenna. The outside antenna will help you QSO with low power stations or somebody with a bad antenna.

Welcome to the amateur ranks.

From 1717631487270255706
X-Google-Thread: 10c9e3,f9d0bd8334e534cc
X-Google-Thread: 108778,f9d0bd8334e534cc

```
X-Google-Thread: fb049,f9d0bd8334e534cc
X-Google-Thread: 108122,f9d0bd8334e534cc
X-Google-Thread: 1031c8,f9d0bd8334e534cc
X-Google-Attributes: gid10c9e3,gid108778,gidfb049,gid108122,gid1031c8,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!
border1.nntp.dca.giganews.com!nntp.giganews.com!local1.nntp.dca.giganews.com!
nntp.comcast.com!news.comcast.com.POSTED!not-for-mail
NNTP-Posting-Date: Tue, 31 Aug 2004 23:50:08 -0500
From: "Dave VanHorn" <dvanhorn@cedar.net>
Newsgroups: rec.ham-radio,alt.radio.amateur,alt.ham-radio.vhf-
uhf,rec.radio.amateur.equipment,rec.radio.amateur.swap
References: <TTaZc.94588$Fg5.26081@attbi_s53>
Subject: Re: New ham wants advice on a good 2m/440 HT for a first radio
Date: Tue, 31 Aug 2004 23:50:18 -0500
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2900.2180
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2900.2180
X-RFC2646: Format=Flowed; Response
Message-ID: <QqidnbSzwdidyKjcRVn-rg@comcast.com>
Lines: 10
NNTP-Posting-Host: 68.51.97.82
X-Trace: sv3-iZseZL/
0fal+pjPcUxr5Kd57hW4DglMc0KFCXQO8AADmKkBD0pfxfWxXdnVuNk8jx+9r01yAExEHUxI!
SNrZ9AUWcOlzEivJU48vZ5VSaCOkirJ3STR+G0hsM2Ryj8I5SpQYCOjTsF0=
X-Complaints-To: abuse@comcast.net
X-DMCA-Complaints-To: dmca@comcast.net
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint
properly
X-Postfilter: 1.3.13
Xref: g2news1.google.com rec.ham-radio:115 alt.radio.amateur:208 alt.ham-
radio.vhf-uhf:1644 rec.radio.amateur.equipment:2081 rec.radio.amateur.swap:424
```

I like my Kenwood TH-D7a, which gives me essentially two radios in one (as opposed to a single radio that can be on one of two bands) plus APRS and packet capability.

--
KC6ETE Dave's Engineering Page, www.dvanhorn.org
Microcontroller Consultant, specializing in Atmel AVR

```
From -5871327010842662790
X-Google-Thread: 10c9e3,f9d0bd8334e534cc
X-Google-Thread: 108778,f9d0bd8334e534cc
X-Google-Thread: fb049,f9d0bd8334e534cc
X-Google-Thread: 108122,f9d0bd8334e534cc
X-Google-Thread: 1031c8,f9d0bd8334e534cc
```

X-Google-Attributes: gid10c9e3,gid108778,gidfb049,gid108122,gid1031c8,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!news3.optonline.net!news4.srv.hcvlny.cv.net.POSTED!not-for-mail
Message-ID: <4135B83F.8D56E8A9@optonline.net>
From: Steve <lafayetteradio3@optonline.net>
Organization: LRE
X-Mailer: Mozilla 4.79 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.ham-radio,alt.radio.amateur,alt.ham-radio.vhf-uhf,rec.radio.amateur.equipment,rec.radio.amateur.swap
Subject: Re: New ham wants advice on a good 2m/440 HT for a first radio
References: <TTaZc.94588$Fg5.26081@attbi_s53> <LvbZc.229401$Oi.67833@fed1read04>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 41
Date: Wed, 01 Sep 2004 11:49:41 GMT
NNTP-Posting-Host: 24.47.254.156
X-Complaints-To: abuse@cv.net
X-Trace: news4.srv.hcvlny.cv.net 1094039381 24.47.254.156 (Wed, 01 Sep 2004 07:49:41 EDT)
NNTP-Posting-Date: Wed, 01 Sep 2004 07:49:41 EDT
Xref: g2news1.google.com rec.ham-radio:116 alt.radio.amateur:209 alt.ham-radio.vhf-uhf:1645 rec.radio.amateur.equipment:2082 rec.radio.amateur.swap:425

Congratulations on your ticket!!!!!!!!!!
I agree, the FT-530 is a GREAT radio!! Also, check out the Alinco DJ-580T. Almost the same and built like a tank also! These are older radios and a bit larger.
This is not a bad thing! They usually have louder speaker audio than the tiny HT's of today, although the Alinco DJ-580T has the edge on speaker audio. . One more favorite on mine is the Yaesu FT-50R. It is smaller than the other 2 and works great with LOUD speaker audio. This is a dual band radio but one band at a time. The best part of all, these radios can be gotten at a good price that won't kill you!!
73

>
>
> < snip >
> I haven't bought a new dual-bander recently, but I love my Yaesu FT-530. It
> has been
> bullet-proof. I have dropped it, overheated it (both internally and with
> sunshine on a
> car seat) and it keeps coming back for more.
>
> Based on my experience, you should have
>   -- a radio with external 12V power input
>   -- a radio has a detachable antenna (BNC mount probably best)
>   -- an external speaker/mike for your radio (I think they all accept
> one.)

```
>     -- a repeater directory for your area (or find one on the Internet)
>     -- at least one outside antenna cabled into a favored operating location
> (2M j-pole also works on 440)
>     -- a holder for your HT that props it up on a desktop or bench
>     -- an accessory battery for long-term worry-free portable operation
> (Gel-cells are good.)
>
> 5 watts on VHF/UHF will generally take you out to the radio horizon, or to a
> high-level repeater even with a
> rubber duck antenna. The outside antenna will help you QSO with low power
> stations or somebody with a bad antenna.
>
> Welcome to the amateur ranks.



From -8675804429179495673
X-Google-Thread: 10c9e3,f9d0bd8334e534cc
X-Google-Thread: 108778,f9d0bd8334e534cc
X-Google-Thread: fb049,f9d0bd8334e534cc
X-Google-Thread: 108122,f9d0bd8334e534cc
X-Google-Thread: 1031c8,f9d0bd8334e534cc
X-Google-Attributes: gid10c9e3,gid108778,gidfb049,gid108122,gid1031c8,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!sn-xit-02!sn-xit-06!sn-xit-01!sn-
post-01!supernews.com!news.supernews.com!kc1ih
From: Larry Weil <kc1ih@mac.com>
Newsgroups: rec.ham-radio,alt.radio.amateur,alt.ham-radio.vhf-
uhf,rec.radio.amateur.equipment,rec.radio.amateur.swap
Subject: Re: New ham wants advice on a good 2m/440 HT for a first radio
Date: Wed, 01 Sep 2004 11:37:22 -0400
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <kc1ih-3EE4FE.11372201092004@news.supernews.com>
References: <TTaZc.94588$Fg5.26081@attbi_s53>
User-Agent: MT-NewsWatcher/3.4 (PPC Mac OS X)
X-Complaints-To: abuse@supernews.com
Lines: 27
Xref: g2news1.google.com rec.ham-radio:117 alt.radio.amateur:210 alt.ham-
radio.vhf-uhf:1647 rec.radio.amateur.equipment:2086 rec.radio.amateur.swap:426

In article <TTaZc.94588$Fg5.26081@attbi_s53>,
 Andy Entrekin <entrekin@iname.com> wrote:


> I am looking for opinions about HTs that cover the 2meter and 70cm bands
> and have at least 5 watts output.  I value the opinions and experiences
> of other hams, so I figured that these newsgroups would be a good place
> to solicit them.
>

There are any number of good radios out there, a lot depends on personal
preferences.
```

But, the one thing I urge you is to invest a few more bucks on a telescoping antenna. For less than 20 bucks, you'll double or more your effective power, plus improve your reception, as compared to the rubber duck that comes with most HT's.

Of course, the telescoping antenna will be a bit more bulky than the duck, so that may or may not be a factor for you, depending on how you intend yo use the radio.

73 de KC1IH

--
Larry Weil
Lake Wobegone, NH

```
From 7902504465083106153
X-Google-Thread: 10c9e3,f9d0bd8334e534cc
X-Google-Thread: 108778,f9d0bd8334e534cc
X-Google-Thread: fb049,f9d0bd8334e534cc
X-Google-Thread: 108122,f9d0bd8334e534cc
X-Google-Thread: 1031c8,f9d0bd8334e534cc
X-Google-Attributes: gid10c9e3,gid108778,gidfb049,gid108122,gid1031c8,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news2.google.com!news.maxwell.syr.edu!
border1.nntp.dca.giganews.com!nntp.giganews.com!local1.nntp.dca.giganews.com!
nntp.comcast.com!news.comcast.com.POSTED!not-for-mail
NNTP-Posting-Date: Wed, 01 Sep 2004 10:55:38 -0500
From: "Dave VanHorn" <dvanhorn@cedar.net>
Newsgroups: rec.ham-radio,alt.radio.amateur,alt.ham-radio.vhf-
uhf,rec.radio.amateur.equipment,rec.radio.amateur.swap
References: <TTaZc.94588$Fg5.26081@attbi_s53>
<kc1ih-3EE4FE.11372201092004@news.supernews.com>
Subject: Re: New ham wants advice on a good 2m/440 HT for a first radio
Date: Wed, 1 Sep 2004 10:55:46 -0500
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2900.2180
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2900.2180
X-RFC2646: Format=Flowed; Original
Message-ID: <-ZKdnVsMD9BnbajcRVn-vg@comcast.com>
Lines: 20
NNTP-Posting-Host: 68.51.97.82
X-Trace: sv3-
E07MQpyx8JADWeQ1tgJFVZ90N6uIy1uY30Ozofepv8KW3M8ZgLwfECsrSoYobjeUMGE1roRiUhBAMCX!
r5qxG03LVyIVS4cpUFe2UeuryHOOq45NO46aaIjw5SwEa30QF3REL74VK3Q=
X-Complaints-To: abuse@comcast.net
X-DMCA-Complaints-To: dmca@comcast.net
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint
properly
X-Postfilter: 1.3.13
Xref: g2news1.google.com rec.ham-radio:118 alt.radio.amateur:211 alt.ham-
```

radio.vhf-uhf:1648 rec.radio.amateur.equipment:2087 rec.radio.amateur.swap:427

> But, the one thing I urge you is to invest a few more bucks on a
> telescoping antenna. For less than 20 bucks, you'll double or more your
> effective power, plus improve your reception, as compared to the rubber
> duck that comes with most HT's.

Indeed.. The duck that comes with the Kenwood TH-D7a is by far the WORST
antenna I've ever seen.. A comet SMA whip tripled my range.

The other thing that's a big range booster, is a "tiger tail", which is
nothing more than a 19" wire and a lug to fit under the antenna connector..
This provides a counterpoise for the antenna, and acts as a crude dipole.

With a good antenna, you will find that the 5W setting is rarely needed, and
mostly just chews up batteries.

--
KC6ETE Dave's Engineering Page, www.dvanhorn.org
Microcontroller Consultant, specializing in Atmel AVR

From 7971304821234662779
X-Google-Thread: 10c9e3,f9d0bd8334e534cc
X-Google-Thread: 108778,f9d0bd8334e534cc
X-Google-Thread: fb049,f9d0bd8334e534cc
X-Google-Thread: 108122,f9d0bd8334e534cc
X-Google-Thread: 1031c8,f9d0bd8334e534cc
X-Google-Attributes: gid10c9e3,gid108778,gidfb049,gid108122,gid1031c8,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!bigfeed.bellsouth.net!
bignumber.bellsouth.net!news.bellsouth.net!bignews3.bellsouth.net.POSTED!1263d6fa!
not-for-mail
From: "Lew" <lew_jean@bellsouth.net>
Newsgroups: rec.ham-radio,alt.radio.amateur,alt.ham-radio.vhf-
uhf,rec.radio.amateur.equipment,rec.radio.amateur.swap
References: <TTaZc.94588$Fg5.26081@attbi_s53>
<kc1ih-3EE4FE.11372201092004@news.supernews.com> <-ZKdnVsMD9BnbajcRVn-
vg@comcast.com>
Subject: Re: New ham wants advice on a good 2m/440 HT for a first radio
Lines: 32
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2900.2180
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2900.2180
X-RFC2646: Format=Flowed; Response
Message-ID: <ECnZc.68797$_h.37359@bignews3.bellsouth.net>
X-Complaints-To: abuse@bellsouth.net
X-Abuse-Info: Please forward a copy of all headers for proper handling
X-Trace:
bhmkggakljkaanefdbdpiflmbcekedmfhojhikkbagflhcbonmkakhmdmoihpeomodlhmabgihjkmoiilj

lcbmdaajajmgekeegbaanpjmnkfpfonmoebahngadmnepdmpjijmbhdipnlcheemlkjhifjoiboabm
NNTP-Posting-Date: Wed, 01 Sep 2004 13:25:56 EDT
Organization: BellSouth Internet Group
Date: Wed, 1 Sep 2004 13:26:45 -0400
Xref: g2news1.google.com rec.ham-radio:119 alt.radio.amateur:212 alt.ham-radio.vhf-uhf:1651 rec.radio.amateur.equipment:2088 rec.radio.amateur.swap:428

I have the TH-F6 and it is a Tribander for around $300.00 you can't beat it.
I get around 16hrs per battery charge

my 2 cents

Lew
N4HRA
"Dave VanHorn" <dvanhorn@cedar.net> wrote in message
news:-ZKdnVsMD9BnbajcRVn-vg@comcast.com...
>> But, the one thing I urge you is to invest a few more bucks on a
>> telescoping antenna. For less than 20 bucks, you'll double or more your
>> effective power, plus improve your reception, as compared to the rubber
>> duck that comes with most HT's.
>
> Indeed.. The duck that comes with the Kenwood TH-D7a is by far the WORST
> antenna I've ever seen.. A comet SMA whip tripled my range.
>
> The other thing that's a big range booster, is a "tiger tail", which is
> nothing more than a 19" wire and a lug to fit under the antenna
> connector.. This provides a counterpoise for the antenna, and acts as a
> crude dipole.
>
> With a good antenna, you will find that the 5W setting is rarely needed,
> and mostly just chews up batteries.
>
> --
> KC6ETE Dave's Engineering Page, www.dvanhorn.org
> Microcontroller Consultant, specializing in Atmel AVR
>
>

From -7587504072662067 62
X-Google-Thread: 10c9e3,f9d0bd8334e534cc
X-Google-Thread: 108778,f9d0bd8334e534cc
X-Google-Thread: fb049,f9d0bd8334e534cc
X-Google-Thread: 108122,f9d0bd8334e534cc
X-Google-Thread: 1031c8,f9d0bd8334e534cc
X-Google-Attributes: gid10c9e3,gid108778,gidfb049,gid108122,gid1031c8,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!wn11feed!worldnet.att.net!207.35.177.252!nf3.bellglobal.com!nf1.bellglobal.com!nf2.bellglobal.com!news20.bellglobal.com.POSTED!not-for-mail
From: Bob <nowhere@nospam.org>

```
User-Agent: Mozilla/5.0 (Macintosh; U; PPC Mac OS X Mach-O; en-US; rv:1.7.2)
Gecko/20040803
X-Accept-Language: en-us, en
MIME-Version: 1.0
Newsgroups: rec.ham-radio,alt.radio.amateur,alt.ham-radio.vhf-
uhf,rec.radio.amateur.equipment,rec.radio.amateur.swap
Subject: Re: New ham wants advice on a good 2m/440 HT for a first radio
References: <TTaZc.94588$Fg5.26081@attbi_s53> <LvbZc.229401$Oi.67833@fed1read04>
<4135B83F.8D56E8A9@optonline.net>
In-Reply-To: <4135B83F.8D56E8A9@optonline.net>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
Lines: 5
Message-ID: <oWtZc.21494$7i2.790549@news20.bellglobal.com>
Date: Wed, 01 Sep 2004 20:36:43 -0400
NNTP-Posting-Host: 69.156.119.74
X-Complaints-To: abuse@sympatico.ca
X-Trace: news20.bellglobal.com 1094085396 69.156.119.74 (Wed, 01 Sep 2004 20:36:36
EDT)
NNTP-Posting-Date: Wed, 01 Sep 2004 20:36:36 EDT
Organization: Bell Sympatico
Xref: g2news1.google.com rec.ham-radio:120 alt.radio.amateur:213 alt.ham-
radio.vhf-uhf:1662 rec.radio.amateur.equipment:2093 rec.radio.amateur.swap:431
```

Don't blow all your cash on an HT. By all means get one, but save some dough for a nice starter rig like a Yaesu FT-857 or an 897. You'll get all-mode on a lot of bands for not a ton of cash.

Kudos on your ticket!

```
From 7025751064956913508
X-Google-Thread: 10c9e3,f9d0bd8334e534cc
X-Google-Thread: 108778,f9d0bd8334e534cc
X-Google-Thread: fb049,f9d0bd8334e534cc
X-Google-Thread: 108122,f9d0bd8334e534cc
X-Google-Thread: 1031c8,f9d0bd8334e534cc
X-Google-Attributes: gid10c9e3,gid108778,gidfb049,gid108122,gid1031c8,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news2.google.com!news.maxwell.syr.edu!newsfeed-
east.nntpserver.com!nntpserver.com!newsfeed1.sea.pnap.net!newsfeed.pnap.net!
newsgate.mot.com!newshost.mot.com!not-for-mail
From: "Steve Nosko" <suteuve.nosukowicuz@moutouroula.com>
Newsgroups: rec.ham-radio,alt.radio.amateur,alt.ham-radio.vhf-
uhf,rec.radio.amateur.equipment,rec.radio.amateur.swap
Subject: Re: New ham wants advice on a good 2m/440 HT for a first radio
Date: Thu, 2 Sep 2004 11:47:11 -0500
Organization: Motorola
Lines: 48
Message-ID: <ch7iv4$j4i$1@newshost.mot.com>
References: <TTaZc.94588$Fg5.26081@attbi_s53>
NNTP-Posting-Host: snoskow1-01.comm.mot.com
X-Trace: newshost.mot.com 1094143780 19602 173.27.150.24 (2 Sep 2004 16:49:40 GMT)
```

X-Complaints-To: motpost1@azmsg.mot.com
NNTP-Posting-Date: 2 Sep 2004 16:49:40 GMT
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1409
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1409
Xref: g2news1.google.com rec.ham-radio:121 alt.radio.amateur:214 alt.ham-radio.vhf-uhf:1677 rec.radio.amateur.equipment:2100 rec.radio.amateur.swap:433

"Andy Entrekin" <entrekin@iname.com> wrote in message
news:TTaZc.94588$Fg5.26081@attbi_s53...

> I passed my Element 2 exam last week ....My needs have led
> me to look for a good handheld unit. ...
> I am looking for opinions about HTs that cover the 2meter and 70cm bands
> and have at least 5 watts output.

Well you did get many very good comments. I won't repeat any.

I have the TH-F6. I can't compare features, but what I think can be important to you:
* You can get an AA battery pack for when your Li=Ions are dead in an emergency, or you are too poor to afford new ones (Tx power lower however)

* I believe it has the widest general coverage available for a "dual bander".= 100 KHz to 1,300 MHz. AM , FM, Wide FM, U/L SSB, CW. You name it (except the CW beacons on 902 and 1296) and you can probably listen...TV, CB, AM & FM broadcast, FRS, GMRS, Aircraft...wad-I-miss?

Fine tuning on HF down to (sort-of) 33 Hz.

* It does 222 - kinda rare. Lets keep the band alive!

* It is pricy, but it is around a very loose rule of thumb for cost of 'about' $100 per band.

* Better antennas are available. I have a 19 inch for mine, when needed.

5W,   .5W,   .05W on internal

5W,   2W,   .5W on external 12 V sig lighter plug avail.

I forget the double A power, possibly 2W, .5W, .05W

The beeps are pretty "blind-friendly"

Disadvantages (to some - I'm ok with it)
* SMA Antenna connector.
* It doesn't receive FM below 29.7.
* Doesn't receive CW & SSB above 470MHz (See beacon comment above, but AM or FM "works").

--
Steve N, K,9;d, c. i My email has no u's.

From -500315065120732
X-Google-Thread: 10c9e3,f9d0bd8334e534cc
X-Google-Thread: 108778,f9d0bd8334e534cc
X-Google-Thread: fb049,f9d0bd8334e534cc
X-Google-Thread: 108122,f9d0bd8334e534cc
X-Google-Thread: 1031c8,f9d0bd8334e534cc
X-Google-Attributes: gid10c9e3,gid108778,gidfb049,gid108122,gid1031c8,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!border1.nntp.dca.giganews.com!nntp.giganews.com!local1.nntp.dca.giganews.com!nntp.comcast.com!news.comcast.com.POSTED!not-for-mail
NNTP-Posting-Date: Thu, 02 Sep 2004 13:40:59 -0500
From: "Dave VanHorn" <dvanhorn@cedar.net>
Newsgroups: rec.ham-radio,alt.radio.amateur,alt.ham-radio.vhf-uhf,rec.radio.amateur.equipment,rec.radio.amateur.swap
References: <TTaZc.94588$Fg5.26081@attbi_s53> <ch7iv4$j4i$1@newshost.mot.com>
Subject: Re: New ham wants advice on a good 2m/440 HT for a first radio
Date: Thu, 2 Sep 2004 13:41:01 -0500
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2900.2180
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2900.2180
X-RFC2646: Format=Flowed; Original
Message-ID: <VOednd_n2MOm9KrcRVn-pA@comcast.com>
Lines: 12
NNTP-Posting-Host: 68.51.97.82
X-Trace: sv3-oXZAIE42LnyQ/SCkgtwBeHFhLC0VbAN7c9J6sOFUNM/cCSwsHjXX3T8rxFGiYGTzWnhQZIimcZNHAQi!Ng5rdVMod/s2woQi9YYVx9xgzl2O08qbn11B5ymSYKgQ9R5e5Y+8O1hPesY=
X-Complaints-To: abuse@comcast.net
X-DMCA-Complaints-To: dmca@comcast.net
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint properly
X-Postfilter: 1.3.13
Xref: g2news1.google.com rec.ham-radio:122 alt.radio.amateur:215 alt.ham-radio.vhf-uhf:1678 rec.radio.amateur.equipment:2101 rec.radio.amateur.swap:434

> * You can get an AA battery pack for when your Li=Ions are dead in an
> emergency, or you are too poor to afford new ones (Tx power lower however)

True for most HTs, and a very good idea.
I have AA packs for all my emergency gear, and I keep a stock of batteries
in the car which I rotate out into the kid's toys periodically.

--
KC6ETE Dave's Engineering Page, www.dvanhorn.org

Microcontroller Consultant, specializing in Atmel AVR

From -7041846615874242258
X-Google-Thread: 10c9e3,f9d0bd8334e534cc
X-Google-Thread: 108778,f9d0bd8334e534cc
X-Google-Thread: fb049,f9d0bd8334e534cc
X-Google-Thread: 108122,f9d0bd8334e534cc
X-Google-Thread: 1031c8,f9d0bd8334e534cc
X-Google-Attributes: gid10c9e3,gid108778,gidfb049,gid108122,gid1031c8,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news2.google.com!news.maxwell.syr.edu!sn-xit-03!sn-xit-04!sn-xit-01!sn-post-01!supernews.com!corp.supernews.com!not-for-mail
From: "Goody" <pgoodyear@charter.net>
Newsgroups: rec.ham-radio,alt.radio.amateur,alt.ham-radio.vhf-uhf,rec.radio.amateur.equipment,rec.radio.amateur.swap
Subject: Re: New ham wants advice on a good 2m/440 HT for a first radio
Date: Fri, 3 Sep 2004 20:40:24 -0700
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <10jie5nkhl49tfd@corp.supernews.com>
References: <TTaZc.94588$Fg5.26081@attbi_s53>
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
X-Complaints-To: abuse@supernews.com
Lines: 70
Xref: g2news1.google.com rec.ham-radio:123 alt.radio.amateur:216 alt.ham-radio.vhf-uhf:1713 rec.radio.amateur.equipment:2115 rec.radio.amateur.swap:436

Andy,

Congrats!   I have two I recommend, will give the drawbacks to both.
ICOM W32A, very good radio, short battery life transmitting on high power 2 hrs max 50 % cycle, 5-7 hrs listen on NiMh, direct battery charge from wall wart and will run off of wall wart has built in charge controller, excellent output, dual receive, weak audio, dual scan (memory and frequency), dual independent vfo's, direct frequency input, v-u, v-v, u-v, u-u, splits, cross-band repeat, weather, 100-999 M. receive except 220; easy to program can be programmed off a computer with cable and sw, 200 memories total split between U and V, onboard instructions, alpha numeric display, new around $250, haven't seen one used.
Kenwood TH-77A, a little harder to program than the ICOM (manual only to one memory bank), older model, dual band, dual receive, outstanding audio, dual scan (memory and frequency) v-u, u-v, u-u, v-v, I don't know if it will crossband, receive 130-500 (I think it can be extended but VFO's are tight, not as flexible as the ICOM), excellent battery life 12-14 hrs on MH PB-8 metal hydride batteries, only 40 memories, direct frequency input 2m drops first digit, will run off of wall wart (dc jack) but not charge battery (external only), outstanding front

end and transmitter very solid, I have 2 of them both used for $100
each, no weather or air receive, not computer programmed, my knock
arounds very rugged, one is my base, the other I carry every day
around the yard, truck, etc.

goody KF6PBN

"Andy Entrekin" <entrekin@iname.com> wrote in message
news:TTaZc.94588$Fg5.26081@attbi_s53...
> I passed my Element 2 exam last week and am eagerly awaiting the
posting
> of my Tech ticket on the FCC site. In the meantime, I have been
doing
> research on radios. I have considered as many factors as I know of,
> including TX power, physical size, and portability. My needs have
led
> me to look for a good handheld unit. Before anyone chimes in with a
> recommendation to go for a mobile, let me say that being able to
carry
> the radio with me wherever I go is a must, which rules out mobiles.
>
> I am looking for opinions about HTs that cover the 2meter and 70cm
bands
> and have at least 5 watts output. I value the opinions and
experiences
> of other hams, so I figured that these newsgroups would be a good
place
> to solicit them.
>
> Please either post your opinions here, or feel free to email me at
> "entrekin-at-iname-dot-com" with the appropriate symbols (low-tech
> anti-spam measure). I look forward to getting lots of input!
>
> Thanks,
> Andy Entrekin
> Bedford TX USA
>
>
>
> For any of you who frown on cross-posting:
> Sorry for the cross-posting, but I wanted to get as many responses
as
> possible. If I hadn't cross-posted, I would have just copied this
same
> message in to each post to a single group. This just seemed
smarter.
>

From 4210629021829808330
X-Google-Thread: 10c9e3,f9d0bd8334e534cc

```
X-Google-Thread: 108778,f9d0bd8334e534cc
X-Google-Thread: fb049,f9d0bd8334e534cc
X-Google-Thread: 108122,f9d0bd8334e534cc
X-Google-Thread: 1031c8,f9d0bd8334e534cc
X-Google-Attributes: gid10c9e3,gid108778,gidfb049,gid108122,gid1031c8,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!newshub.sdsu.edu!elnk-nf2-pas!elnk-pas-
nf1!newsfeed.earthlink.net!cyclone.socal.rr.com!cyclone2.kc.rr.com!
news2.kc.rr.com!twister.rdc-kc.rr.com.POSTED!53ab2750!not-for-mail
Reply-To: "AcuraRSX@honda.com" <root@garlic.tnelson.net>
From: "AcuraRSX@honda.com" <tmnelson@neb.rr.com>
Newsgroups: rec.ham-radio,alt.radio.amateur,alt.ham-radio.vhf-
uhf,rec.radio.amateur.equipment,rec.radio.amateur.swap
References: <TTaZc.94588$Fg5.26081@attbi_s53>
Subject: Re: New ham wants advice on a good 2m/440 HT for a first radio
Lines: 23
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1437
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1441
Message-ID: <T4k_c.3649$6h7.3195@twister.rdc-kc.rr.com>
Date: Sat, 04 Sep 2004 14:14:11 GMT
NNTP-Posting-Host: 24.27.151.246
X-Complaints-To: abuse@rr.com
X-Trace: twister.rdc-kc.rr.com 1094307251 24.27.151.246 (Sat, 04 Sep 2004 09:14:11
CDT)
NNTP-Posting-Date: Sat, 04 Sep 2004 09:14:11 CDT
Xref: g2news1.google.com rec.ham-radio:124 alt.radio.amateur:217 alt.ham-
radio.vhf-uhf:1718 rec.radio.amateur.equipment:2121 rec.radio.amateur.swap:439
```

Andy Entrekin wrote:

> I am looking for opinions about HTs that cover the 2meter and 70cm
> bands and have at least 5 watts output. I value the opinions and
> experiences of other hams, so I figured that these newsgroups would
> be a good place to solicit them.

Congrats on the new ticket! I just got mine Tuesday, so I was in the same spot last week. I settled on the Yaesu VX-5R, and got a Diamond SRH77CA antenna to go with it. I picked it because it hit the sweet spot on price/performance for me, and it seemed to get the best reviews on eHam.net. I love my Icom R71A, and was really looking for another Icom, but they all seemed to get picked on for pricey accessories and susceptability to intermod.

Seriously though, it looks like almost all the HTs in the $200-$300 range are pretty good, I've since had recommendations for the Icom W32A and the T90A. I think anything that can put out five watts on 2M will make you happy, all the rest is just flavor.

73,
-- Tracy Nelson, KC0SZW

```
From -3084165850979493179
X-Google-Thread: 10c9e3,f9d0bd8334e534cc
X-Google-Thread: 108778,f9d0bd8334e534cc
X-Google-Thread: fb049,f9d0bd8334e534cc
X-Google-Thread: 108122,f9d0bd8334e534cc
X-Google-Thread: 1031c8,f9d0bd8334e534cc
X-Google-Attributes: gid10c9e3,gid108778,gidfb049,gid108122,gid1031c8,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!news1.google.com!news.glorb.com!news-xfer.newsread.com!
newsread.com!newsstand.newsread.com!POSTED.monger.newsread.com!not-for-mail
From: Roger Halstead <Delete-Invallid.groups@tm.net>
Newsgroups: rec.ham-radio,alt.radio.amateur,alt.ham-radio.vhf-
uhf,rec.radio.amateur.equipment,rec.radio.amateur.swap
Subject: Re: New ham wants advice on a good 2m/440 HT for a first radio
Message-ID: <vbflj01c78tji250crej8790n85i1irfcn@4ax.com>
References: <TTaZc.94588$Fg5.26081@attbi_s53> <T4k_c.3649$6h7.3195@twister.rdc-
kc.rr.com>
X-Newsreader: Forte Agent 2.0/32.652
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 54
Date: Sun, 05 Sep 2004 07:27:58 GMT
NNTP-Posting-Host: 64.7.164.69
X-Complaints-To: Abuse Role <abuse@tm.net>, We Care <abuse@newsread.com>
X-Trace: monger.newsread.com 1094369278 64.7.164.69 (Sun, 05 Sep 2004 03:27:58
EDT)
NNTP-Posting-Date: Sun, 05 Sep 2004 03:27:58 EDT
Organization: The Mercury Network (tm.net)
Xref: g2news1.google.com rec.ham-radio:125 alt.radio.amateur:218 alt.ham-
radio.vhf-uhf:1743 rec.radio.amateur.equipment:2136 rec.radio.amateur.swap:440
```

On Sat, 04 Sep 2004 14:14:11 GMT, "AcuraRSX@honda.com"
<tmnelson@neb.rr.com> wrote:

>Andy Entrekin wrote:
>> I am looking for opinions about HTs that cover the 2meter and 70cm
>> bands and have at least 5 watts output. I value the opinions and
>> experiences of other hams, so I figured that these newsgroups would
>> be a good place to solicit them.
>
>Congrats on the new ticket! I just got mine Tuesday, so I was in the same
>spot last week. I settled on the Yaesu VX-5R, and got a Diamond SRH77CA
>antenna to go with it. I picked it because it hit the sweet spot on
>price/performance for me, and it seemed to get the best reviews on eHam.net.
>I love my Icom R71A, and was really looking for another Icom, but they all
>seemed to get picked on for pricey accessories and susceptability to
>intermod.
>

I went with the VX-7R which is a little more money, but worth it to
me. It has a good LI-ion battery that does well and runs a reasonable

power.

>Seriously though, it looks like almost all the HTs in the $200-$300 range
>are pretty good, I've since had recommendations for the Icom W32A and the

I think the W32A is one of the best duobanders put out. Good enough that after it was discontinued there was still enough consumer demand they brought it back and it's been back over a year. The W32 is really from an earlier generation that is quite a bit larger than the VX-5 or 7. For those of us who wear bifocals that is not all bad.

I happen to like the little Yaesu radios, although the VX5 and 7 are not really Yaesu. They are listed with them and maybe built by them, but the name plate lists a different name. Mine's in the car and I don't remember the new name.

I have a complete set of the Diamond mobile antennas with both mag and lip mounts. Well I did until my wife drove into the garage without lowering one.

I use the large one on top of a 4-runner and have had it ever since they hit the market. It has hit a few bridges and parking ramps knocking the whole thing off the roof, but it still works fine on both 144 and 440. (That is one tough mag mount). I did break one though.

Roger Halstead (K8RI & ARRL life member)
(N833R, S# CD-2 Worlds oldest Debonair)
www.rogerhalstead.com
>T90A. I think anything that can put out five watts on 2M will make you
>happy, all the rest is just flavor.
>
>73,
>-- Tracy Nelson, KC0SZW
>

From 4981919408857957782
X-Google-Thread: 10c9e3,f9d0bd8334e534cc
X-Google-Thread: 108778,f9d0bd8334e534cc
X-Google-Thread: fb049,f9d0bd8334e534cc
X-Google-Thread: 108122,f9d0bd8334e534cc
X-Google-Thread: 1031c8,f9d0bd8334e534cc
X-Google-Attributes: gid10c9e3,gid108778,gidfb049,gid108122,gid1031c8,public
X-Google-Language: ENGLISH,ASCII-7-bit
Path: g2news1.google.com!postnews2.google.com!not-for-mail
From: clintbrad4d@earthlink.net (Clint Bradford)
Newsgroups: rec.ham-radio,alt.radio.amateur,alt.ham-radio.vhf-uhf,rec.radio.amateur.equipment,rec.radio.amateur.swap
Subject: Re: New ham wants advice on a good 2m/440 HT for a first radio
Date: 5 Sep 2004 09:29:15 -0700
Organization: http://groups.google.com
Lines: 7

```
Message-ID: <88bb34bc.0409050829.30c6bcc1@posting.google.com>
References: <TTaZc.94588$Fg5.26081@attbi_s53>
NNTP-Posting-Host: 209.179.210.166
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1094401755 27308 127.0.0.1 (5 Sep 2004 16:29:15 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sun, 5 Sep 2004 16:29:15 +0000 (UTC)
Xref: g2news1.google.com rec.ham-radio:126 alt.radio.amateur:219 alt.ham-
radio.vhf-uhf:1747 rec.radio.amateur.equipment:2141 rec.radio.amateur.swap:442

> I am looking for opinions about HTs that cover the 2meter and 70cm bands
> and have at least 5 watts output...

Yaesu just introduced the FT-60R handheld that meets your requirements
- it is a great HT for $200!

Clint Bradford, K6LCS



From -6609169123298681849
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10807f,3b67554115ba9c22
X-Google-Attributes: gid10807f,public
X-Google-Thread: 106d41,3b67554115ba9c22
X-Google-Attributes: gid106d41,public
X-Google-Thread: 10c9e3,3b67554115ba9c22
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 2003-11-22 06:29:49 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!elnk-pas-nf1!
newsfeed.earthlink.net!stamper.news.pas.earthlink.net!
stamper.news.atl.earthlink.net!newsread2.news.atl.earthlink.net.POSTED!8ea0ed1a!
not-for-mail
From: bb <blackies@work.com>
Newsgroups: rec.boats,rec.ham-radio,rec.radio.cb
Subject: Re: OT: Man gets "spam rage" over penis ad
Message-ID: <9jsurvgnfv3t7nen4vvmn9kgmvs0j0js19@4ax.com>
References: <j6Dvb.10204$kl6.6450@fed1read03> <bpnpaq$1pp1j1$2@ID-21096.news.uni-
berlin.de>
X-Newsreader: Forte Agent 1.93/32.576 English (American)
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 12
Date: Sat, 22 Nov 2003 14:29:48 GMT
NNTP-Posting-Host: 4.8.38.137
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread2.news.atl.earthlink.net 1069511388 4.8.38.137 (Sat, 22 Nov 2003
09:29:48 EST)
NNTP-Posting-Date: Sat, 22 Nov 2003 09:29:48 EST
Organization: EarthLink Inc. -- http://www.EarthLink.net
Xref: archiver1.google.com rec.boats:9405 rec.radio.cb:4217
```

On Sat, 22 Nov 2003 08:45:56 -0500, Harry Krause
<piedtypecase@yahoo.com> wrote:

>Snipped to get to the funny part:
>
>> Mackay said such firms gave a bad name to the penis enhancement
>> business.

I still don't get what the big deal is all about. I've yet to be with
a woman who had any trouble enlarging my penis whenever she wanted to.

bb

```
From 8560018348896132957
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10807f,3b67554115ba9c22
X-Google-Attributes: gid10807f,public
X-Google-Thread: 10c9e3,3b67554115ba9c22
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,3b67554115ba9c22
X-Google-Attributes: gid106d41,public
X-Google-ArrivalTime: 2003-11-22 10:34:45 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!
small1.nntp.aus1.giganews.com!border1.nntp.aus1.giganews.com!
intern1.nntp.aus1.giganews.com!nntp.giganews.com!nntp.comcast.com!
news.comcast.com.POSTED!not-for-mail
NNTP-Posting-Date: Sat, 22 Nov 2003 12:34:43 -0600
From: "John Gaquin" <john.gaquin@comcast.net>
Newsgroups: rec.boats,rec.ham-radio,rec.radio.cb
References: <j6Dvb.10204$kl6.6450@fed1read03>
Subject: Re: Man gets "spam rage" over penis ad
Date: Sat, 22 Nov 2003 13:36:54 -0500
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <BpOdnWX0odHeMSKi4p2dnA@comcast.com>
Lines: 12
NNTP-Posting-Host: 66.30.224.98
X-Trace: sv3-JtI6QicHcWQG9Ox4DQ0YuFIrhYI2LYDsUhW4R6hOsc7MINKhBOwJwaptoXDB/
L5KpulUlo7QtodWrjH!7NZX/k1X0Ur46pvo1v2iPvp94Q9PWK8VRnVLh2MHS7tDlUm7QhpGuor2o6AC
X-Complaints-To: abuse@comcast.net
X-DMCA-Complaints-To: dmca@comcast.net
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint
properly
X-Postfilter: 1.1
Xref: archiver1.google.com rec.boats:9444 rec.radio.cb:4219
```

"Renegade" <ren190@cox.kom> wrote in message
news:j6Dvb.10204$kl6.6450@fed1read03...

> Saturday November 22, 04:46 AM
>
>   Man gets "spam rage" over penis ad

This guy's mistake was opening his mouth. He should have simply tracked them down and launched his campaign. No violence, merely anonymous harassment.

```
From 4577743456323395849
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10807f,3b67554115ba9c22
X-Google-Attributes: gid10807f,public
X-Google-Thread: 10c9e3,3b67554115ba9c22
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,3b67554115ba9c22
X-Google-Attributes: gid106d41,public
X-Google-ArrivalTime: 2003-11-22 19:56:13 PST
Path: archiver1.google.com!postnews1.google.com!not-for-mail
From: N8WWM@dickmysuck.com (AntiKeyclown)
Newsgroups: rec.boats,rec.ham-radio,rec.radio.cb
Subject: Re: Man gets "spam rage" over penis ad
Date: 22 Nov 2003 19:56:13 -0800
Organization: http://groups.google.com
Lines: 13
Message-ID: <f92f4353.0311221956.6228d1c8@posting.google.com>
References: <j6Dvb.10204$kl6.6450@fed1read03> <BpOdnWX0odHeMSKi4p2dnA@comcast.com>
NNTP-Posting-Host: 64.136.27.227
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1069559773 18318 127.0.0.1 (23 Nov 2003 03:56:13 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: Sun, 23 Nov 2003 03:56:13 +0000 (UTC)
Xref: archiver1.google.com rec.boats:9510 rec.radio.cb:4247
```

"John Gaquin" <john.gaquin@comcast.net> wrote in message
news:<BpOdnWX0odHeMSKi4p2dnA@comcast.com>...

> "Renegade" <ren190@cox.kom> wrote in message
> news:j6Dvb.10204$kl6.6450@fed1read03...
> > Saturday November 22, 04:46 AM
> >
> >   Man gets "spam rage" over penis ad
>
> This guy's mistake was opening his mouth. He should have simply tracked them down and launched his campaign. No violence, merely anonymous harassment.

thats almost as bad ragewise as stevie and cranus the anus get bliss-wise when they see penises...

```
From -7327511469832500432
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 112d1e,f265293e2341c9e1
X-Google-Attributes: gid112d1e,public
X-Google-Thread: 10c9e3,f265293e2341c9e1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f8886,f265293e2341c9e1
X-Google-Attributes: gidf8886,public
X-Google-Thread: fc2a5,f265293e2341c9e1
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 10f545,f265293e2341c9e1
X-Google-Attributes: gid10f545,public
X-Google-ArrivalTime: 2003-11-23 09:45:42 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!sn-xit-03!sn-
xit-01!sn-post-01!supernews.com!corp.supernews.com!not-for-mail
From: Steve Ratzlaff <steveratz@eoni.com>
Newsgroups:
sci.electronics.design,sci.research.careers,sci.physics.relativity,rec.ham-
radio,rec.radio.amateur.homebrew
Subject: Re: Philips BGA2031/1 MMIC variable gain amps
Date: Sun, 23 Nov 2003 09:43:20 -0800
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <3FC0F1B8.9D61E7E@eoni.com>
X-Mailer: Mozilla 4.7 [en]C-CCK-MCD {Yahoo;SBC! Yahoo}  (WinNT; I)
X-Accept-Language: en
MIME-Version: 1.0
References: <3FBEDF80.70109@ftdsb.com> <avFvb.96784$Ec1.4518874@bgtnsc05-
news.ops.worldnet.att.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Complaints-To: abuse@supernews.com
Lines: 21
Xref: archiver1.google.com sci.electronics.design:11355 sci.research.careers:20011
sci.physics.relativity:11823 rec.radio.amateur.homebrew:27076
```

Make sure you read the data sheet first if you're thinking these might
make good general purpose amps! Those MMICs are only for the cellular
frequency range--minimum freq of 800MHz.
Steve AA7U

Pete KE9OA wrote:
>
> Aren't those dollar a pound surplus sales great?
>
> Pete
>
> Mike Adams <adams@ftdsb.com> wrote in message
> news:3FBEDF80.70109@ftdsb.com...
> > Distributors, Contract Manufacturers, OEMs, or microwave circuitry
> > designers, this message may be of interest to you.
> >
> > If you have a current or future need for Philips BGA2031/1 MMIC's, you
> > should check out the deal at:

```
> >
> > http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=2574612712
> >


From 1977308927856394133
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,9b3d8c2168c93c34,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,9b3d8c2168c93c34,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,9b3d8c2168c93c34,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 10aaeb,9b3d8c2168c93c34,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 114a57,9b3d8c2168c93c34,start
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2003-12-02 16:49:49 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!news-out.visi.com!petbe.visi.com!green.readfreenews.net!
news.readfreenews.net!news-xfer.cox.net!peer01.cox.net!cox.net!
bigfeed.bellsouth.net!bignumb.bellsouth.net!news.bellsouth.net!
bignews5.bellsouth.net.POSTED!not-for-mail
From: "007" <nospam.but@thank.you.anyway>
Newsgroups: alabama.birmingham.radio.amateur,alt.ham-radio,alt.ham-
radio.hf,alt.ham-radio.marketplace,rec.ham-radio
Subject: FS: Yaesu ATAS-120
Lines: 3
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <Bnazb.16133$Qc.13210@bignews5.bellsouth.net>
X-Trace:
ldjgbllpbapjglppdbdpiflmbcekedmfhojhikkbagflhcbodpbankgjkhmejfdkbnmhhnmodblcapmbgm
ojjbidhhmoahhpndnbfclddbebciaaihbbjoldfngcmehnklboacaphnehmhnekcnngdniofceagjf
NNTP-Posting-Date: Tue, 02 Dec 2003 19:46:25 EST
Date: Tue, 2 Dec 2003 18:49:28 -0600
Xref: archiver1.google.com alabama.birmingham.radio.amateur:811 alt.ham-
radio.hf:3766 alt.ham-radio.marketplace:15426

http://www.eham.net/classifieds/detail/115811




From -3028660330455499685
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,d83288d7cdfb45eb,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,d83288d7cdfb45eb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,d83288d7cdfb45eb,start
```

X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,d83288d7cdfb45eb,start
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,d83288d7cdfb45eb,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,d83288d7cdfb45eb,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: 1031c8,d83288d7cdfb45eb,start
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2003-12-02 18:10:25 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!easynews.com!easynews!small1.nntp.aus1.giganews.com!border3.nntp.aus1.giganews.com!intern1.nntp.aus1.giganews.com!nntp.giganews.com!nntp.vnet-inc.com!news.vnet-inc.com.POSTED!not-for-mail
NNTP-Posting-Date: Tue, 02 Dec 2003 20:10:22 -0600
From: "Topaz305RK" <2smoore@nemontel.net>
Newsgroups: alt.ham-radio.hf,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap
Subject: FC-757 to FT-980 Cable
Date: Tue, 2 Dec 2003 18:56:47 -0700
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <n4-dnQaAzMSS21Ci4p2dnA@vnet-inc.com>
Lines: 13
NNTP-Posting-Host: 216.129.249.11
X-Trace: sv3-M3mbNkFsgiJMxbau6UOYWYDWVyGN3Ju/
HyF1GmhK+kBNW+oNIKiTZUU1dQ2OgrzeOHaT+5MF9Ot+RYd!
14J5zEapJvQRZif9w5WTQpTqnGXHdyCa5ZVgw8apg5mcGQUWOtUyyWpFvpP72ZY2GjydqsPIJIZH!e60=
X-Complaints-To: abuse@vnet-inc.com
X-DMCA-Complaints-To: abuse@vnet-inc.com
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint properly
X-Postfilter: 1.1
Xref: archiver1.google.com alt.ham-radio.hf:3767 alt.ham-radio.marketplace:15428 rec.radio.amateur:6046 rec.radio.amateur.equipment:47415 rec.radio.amateur.swap:5149

Posting this for a non-newsgroup amateur

Wanted: Interface cable from Yaesu FC-757 tuner to Yaesu FT-980 transceiver

If you have one of these cables and would like to sell it please contact
Paul - N0PL - at plinnel@nemontel.net

Thanks for the help

K7SAM

```
From -6394114956187097865
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,738ff82c47e5242,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,738ff82c47e5242,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 1109af,738ff82c47e5242,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,738ff82c47e5242,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2003-12-04 15:38:03 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!
easynews.com!easynews!bigfeed2.bellsouth.net!news.bellsouth.net!elnk-atl-nf1!
newsfeed.earthlink.net!newsfeeds-atl2!news.webusenet.com!pc01.webusenet.com!
fe10.private.usenetserver.com.POSTED!53ab2750!not-for-mail
From: "W4ADT" <danielw4adt@alltel.net>
Newsgroups: alabama.birmingham.radio.amateur,rec.ham-radio,rec.ham-
radio.swap,rec.radio.swap
Subject: FS: Heil HM-10 Microphone
Lines: 8
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <dzPzb.9$R%4.0@fe10.private.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Thu, 04 Dec 2003 18:37:45 EST
Date: Thu, 4 Dec 2003 18:36:48 -0500
Xref: archiver1.google.com alabama.birmingham.radio.amateur:813 rec.ham-
radio.swap:3441 rec.radio.swap:3470
```

Heil HM-10 Microphone Excellent Condition

Picture available at www.dbgeneralstore.com

73 Daniel W4ADT

```
From 3538005122551757853
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 112d1e,f265293e2341c9e1
X-Google-Attributes: gid112d1e,public
X-Google-Thread: 10c9e3,f265293e2341c9e1
```

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,f265293e2341c9e1
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 10f545,f265293e2341c9e1
X-Google-Attributes: gid10f545,public
X-Google-Thread: f8886,f265293e2341c9e1
X-Google-Attributes: gidf8886,public
X-Google-ArrivalTime: 2003-12-05 00:59:41 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!news.level3.com!news-out.visi.com!petbe.visi.com!ash.uu.net!wn12feed!worldnet.att.net!bgtnsc05-news.ops.worldnet.att.net.POSTED!not-for-mail
From: "Pete KE9OA" <n.gianakopoulos@worldnet.att.net>
Newsgroups: sci.electronics.design,sci.research.careers,sci.physics.relativity,rec.ham-radio,rec.radio.amateur.homebrew
References: <3FBEDF80.70109@ftdsb.com> <avFvb.96784$Ec1.4518874@bgtnsc05-news.ops.worldnet.att.net> <3FC0F1B8.9D61E7E@eoni.com>
Subject: Re: Philips BGA2031/1 MMIC variable gain amps
Lines: 31
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Message-ID: <0OXzb.153001$Ec1.6033939@bgtnsc05-news.ops.worldnet.att.net>
Date: Fri, 05 Dec 2003 08:59:40 GMT
NNTP-Posting-Host: 12.73.243.144
X-Complaints-To: abuse@worldnet.att.net
X-Trace: bgtnsc05-news.ops.worldnet.att.net 1070614780 12.73.243.144 (Fri, 05 Dec 2003 08:59:40 GMT)
NNTP-Posting-Date: Fri, 05 Dec 2003 08:59:40 GMT
Organization: AT&T Worldnet
Xref: archiver1.google.com sci.electronics.design:13847 sci.research.careers:20076 sci.physics.relativity:13893 rec.radio.amateur.homebrew:27337

I've picked up a few of those kinds of things over the years................the imaginary terms are so large, that you can't really tune many of them below a few hundred MHz.

Pete

Steve Ratzlaff <steveratz@eoni.com> wrote in message news:3FC0F1B8.9D61E7E@eoni.com...
> Make sure you read the data sheet first if you're thinking these might
> make good general purpose amps! Those MMICs are only for the cellular
> frequency range--minimum freq of 800MHz.
> Steve AA7U
>
> Pete KE9OA wrote:
> >
> > Aren't those dollar a pound surplus sales great?
> >
> > Pete
> >

> > Mike Adams <adams@ftdsb.com> wrote in message
> > news:3FBEDF80.70109@ftdsb.com...
> > > Distributors, Contract Manufacturers, OEMs, or microwave circuitry
> > > designers, this message may be of interest to you.
> > >
> > > If you have a current or future need for Philips BGA2031/1 MMIC's, you
> > > should check out the deal at:
> > >
> > > http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=2574612712
> > >

From -6151859505524843519
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,833f576b11263a7e,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,833f576b11263a7e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,833f576b11263a7e,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,833f576b11263a7e,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f76e2,833f576b11263a7e,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2003-12-07 13:14:16 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!newsfeed.icl.net!newsfeed.fjserv.net!newsfeed00.sul.t-online.de!t-online.de!npeer.de.kpn-eurorings.net!cox.net!news-xfer.cox.net!p01!fed1read06.POSTED!not-for-mail
From: "Ivory Kid" <ivorykid@yahoo.com>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.ham-radio.swap
Subject: FA: Kenwood TK-840 5-25W UHF Radio (GMRS, BUSINESS, PUBLIC SAFETY, ETC)
Lines: 11
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <HKMAb.33779$9O5.9062@fed1read06>
Date: Sun, 7 Dec 2003 13:14:18 -0800
NNTP-Posting-Host: 68.228.70.240
X-Complaints-To: abuse@cox.net
X-Trace: fed1read06 1070831655 68.228.70.240 (Sun, 07 Dec 2003 16:14:15 EST)
NNTP-Posting-Date: Sun, 07 Dec 2003 16:14:15 EST
Organization: Cox Communications
Xref: archiver1.google.com alt.ham-radio.marketplace:15457 rec.ham-radio.swap:3472

FA: Kenwood TK-840 5-25W UHF Radio (GMRS, BUSINESS, PUBLIC SAFETY, ETC)

Brand New Condition.

Starting at 2:00 PM PST

```
http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=3064103819




From -9029494375238574414
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,adccb4f133895889,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,adccb4f133895889,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 135bf4,adccb4f133895889,start
X-Google-Attributes: gid135bf4,public
X-Google-Thread: f76e2,adccb4f133895889,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2003-12-07 13:19:28 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-04!sn-xit-05!sn-
xit-08!supernews.com!priapus.visi.com!orange.octanews.net!green.octanews.net!
news.octanews.net!cox.net!news-xfer.cox.net!p01!fed1read06.POSTED!not-for-mail
From: "Ivory Kid" <ivorykid@yahoo.com>
Newsgroups: alt.radio.scanner,alt.rec.radio.shortwave,rec.ham-radio,rec.ham-
radio.swap
Subject: FA: Yaesu VR-5000 Communications Receiver: Excellent Condition
Lines: 9
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <zPMAb.33784$905.29673@fed1read06>
Date: Sun, 7 Dec 2003 13:19:31 -0800
NNTP-Posting-Host: 68.228.70.240
X-Complaints-To: abuse@cox.net
X-Trace: fed1read06 1070831967 68.228.70.240 (Sun, 07 Dec 2003 16:19:27 EST)
NNTP-Posting-Date: Sun, 07 Dec 2003 16:19:27 EST
Organization: Cox Communications
Xref: archiver1.google.com alt.radio.scanner:1119 rec.ham-radio.swap:3473

FA: Yaesu VR-5000 Communications Receiver in Excellent Condition.

Firmware Ver: 1u.13, JP:**** USA

Starting at 2:00 PM PST

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=3064104121




From 1755437459665722622
X-Google-Language: ENGLISH,ASCII-7-bit
```

```
X-Google-Thread: 10c9e3,bf583f22166e3222,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,bf583f22166e3222,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1156cd,bf583f22166e3222,start
X-Google-Attributes: gid1156cd,public
X-Google-Thread: f76e2,bf583f22166e3222,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2003-12-13 04:03:52 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!news-out.visi.com!petbe.visi.com!newsfeeds-atl2!
news.webusenet.com!pc01.webusenet.com!fe07.private.usenetserver.com.POSTED!
53ab2750!not-for-mail
From: "W4ADT" <danielw4adt@alltel.net>
Newsgroups: atl.forsale,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap
Subject: FS:Heil HM-10 Microphone
Lines: 13
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <HeDCb.1145$WF.603@fe07.private.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Sat, 13 Dec 2003 07:03:51 EST
Date: Sat, 13 Dec 2003 07:02:02 -0500
Xref: archiver1.google.com rec.ham-radio.swap:3512 rec.radio.swap:3927

Excellent condition - $85.00 shipped

Email me for more details.

73 Daniel W4ADT

danielw4adt@alltel.net

For picture and description please click the link below

http://www.dbgeneralstore.com/electronics.htm





From -2017835095109101589
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10e8d0,5aba8b6cb256750d,start
X-Google-Attributes: gid10e8d0,public
X-Google-Thread: 10c9e3,5aba8b6cb256750d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 103570,5aba8b6cb256750d,start
X-Google-Attributes: gid103570,public
```

```
X-Google-Thread: f49f0,5aba8b6cb256750d,start
X-Google-Attributes: gidf49f0,public
X-Google-Thread: 10efee,5aba8b6cb256750d,start
X-Google-Attributes: gid10efee,public
X-Google-ArrivalTime: 2003-12-13 05:35:06 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!priapus.visi.com!orange.octanews.net!green.octanews.net!
news.octanews.net!cox.net!news-xfer.cox.net!in.100proofnews.com!
in.100proofnews.com!cycny01.gnilink.net!cyclone1.gnilink.net!
spamkiller2.gnilink.net!nwrdny03.gnilink.net.POSTED!dbab6ab8!not-for-mail
Reply-To: "David H. Lipman" <DLipman~nospam~@Verizon.Net>
From: "David H. Lipman" <DLipman~nospam~@Verizon.Net>
Newsgroups: rec.ham-radio,rec.sport.hockey.field,soc.support,comp.mail.pegasus-
mail.ms-windows,comp.music
References: <piyCb.663$Tq.17343@nnrp1.ozemail.com.au>
Subject: Re: A MESSAGE FROM THE TRUMAN
Lines: 6
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <dAECb.1472$D66.1464@nwrdny03.gnilink.net>
Date: Sat, 13 Dec 2003 13:35:05 GMT
NNTP-Posting-Host: 138.89.47.219
X-Complaints-To: abuse@verizon.net
X-Trace: nwrdny03.gnilink.net 1071322505 138.89.47.219 (Sat, 13 Dec 2003 08:35:05
EST)
NNTP-Posting-Date: Sat, 13 Dec 2003 08:35:05 EST
Xref: archiver1.google.com rec.sport.hockey.field:1274 comp.mail.pegasus-mail.ms-
windows:1639
```

Send full header messages to: abuse@wcom.com.au

Dave

```
From -4644367445241198280
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f557d,467ce9d865b990f5,start
X-Google-Attributes: gidf557d,public
X-Google-Thread: 10c9e3,467ce9d865b990f5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,467ce9d865b990f5,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,467ce9d865b990f5,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f7653,467ce9d865b990f5,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: f84e8,467ce9d865b990f5,start
X-Google-Attributes: gidf84e8,public
```

```
X-Google-Thread: fcc6e,467ce9d865b990f5,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fddbf,467ce9d865b990f5,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 2003-12-15 07:44:27 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!zeus.visi.com!priapus.visi.com!orange.octanews.net!
news.octanews.net!news-out.visi.com!petbe.visi.com!newshosting.com!news-
xfer2.atl.newshosting.com!207.69.154.101.MISMATCH!elnk-atl-nf1!
newsfeed.earthlink.net!cyclone.tampabay.rr.com!news-post.tampabay.rr.com!
twister.tampabay.rr.com.POSTED!53ab2750!not-for-mail
From: "Compsimple" <compsimple@hotmail.com>
Newsgroups: in.ham-radio,rec.ham-radio,rec.ham-radio.packet,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.digital,r
ec.radio.amateur.digital.misc
Subject: Relm WHS450 UHF (450-480)MHZ RADIO NR For Sale
Lines: 9
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <rFkDb.27355$Dt6.622835@twister.tampabay.rr.com>
Date: Mon, 15 Dec 2003 15:44:23 GMT
NNTP-Posting-Host: 65.34.126.144
X-Complaints-To: abuse@rr.com
X-Trace: twister.tampabay.rr.com 1071503063 65.34.126.144 (Mon, 15 Dec 2003
10:44:23 EST)
NNTP-Posting-Date: Mon, 15 Dec 2003 10:44:23 EST
Organization: RoadRunner - Tampa Bay
Xref: archiver1.google.com in.ham-radio:128 rec.ham-radio.swap:3521
rec.radio.amateur:6120 rec.radio.amateur.antenna:4326
rec.radio.amateur.digital.misc:8716



For Sale no reserve. see ebay link below. This radio cost almost $500

and has never been used.

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=3065770970




From -8295066492555609086
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62c0a23f6f778c46,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,62c0a23f6f778c46,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 108122,62c0a23f6f778c46,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,62c0a23f6f778c46,start
```

X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,62c0a23f6f778c46,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,62c0a23f6f778c46,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2003-12-20 09:19:34 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!easynews.com!easynews!bigfeed2.bellsouth.net!news.bellsouth.net!elnk-atl-nf1!newsfeed.earthlink.net!cyclone.tampabay.rr.com!news-post.tampabay.rr.com!twister.tampabay.rr.com.POSTED!53ab2750!not-for-mail
From: "Mitch" <mkatz3@cfl.rr.com>
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.scanner
Subject: FS: Moto, Pro-96, Kenwood HT & More..
Lines: 29
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <Gw%Eb.103205$b01.2297045@twister.tampabay.rr.com>
Date: Sat, 20 Dec 2003 17:19:34 GMT
NNTP-Posting-Host: 67.8.182.246
X-Complaints-To: abuse@rr.com
X-Trace: twister.tampabay.rr.com 1071940774 67.8.182.246 (Sat, 20 Dec 2003 12:19:34 EST)
NNTP-Posting-Date: Sat, 20 Dec 2003 12:19:34 EST
Organization: RoadRunner - Central Florida
Xref: archiver1.google.com rec.ham-radio.swap:3535 rec.radio.amateur:6147 rec.radio.amateur.equipment:47761 rec.radio.amateur.swap:5210 rec.radio.scanner:2259

I have a new in box Motorola M1225 LS 25-40Watt Mobile Unit, MINT/UNPROGRAMMED. still with mic and clip, hardware, manual, and safe op manuals. The split is 450-470 UHF. Never programmed. Photos upon request
Model # M44DGC95A2AA
asking $275.00

With whip rubber duckie, Kenwood rapid charger and 1 good battery.
I will sell for $90 shipped CONUS. Photo upon request

Also for sale, cleaning up:

I was given a new RS pro-96 for a present. We do not have digital here. I am selling it since I already have a BC780XLT. The package is complete from RS, box, manual, antenna, clip and regulated external PS. I will sell the package for $475 shipped. POSTAL MO only.

Also, 1 pair (2) Motorola 2 channel Radius P110 with 1 good battery (new one costs $30) ,
antennas, 2 chargers.

Model #'s P44QLC20A2AA

Asking $220 for the set OBO

Photos of
all units available. Postal MO preferred. I do not use paypal. I will consider COD if paid by buyer.

From 6520671135301919439
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f449e3b3f9c0d2f6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,f449e3b3f9c0d2f6,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 1109af,f449e3b3f9c0d2f6,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fddbf,f449e3b3f9c0d2f6,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,f449e3b3f9c0d2f6,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2003-12-20 18:54:20 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!news.level3.com!news-out.visi.com!petbe.visi.com!newsfeeds-atl2!news.webusenet.com!pc01.webusenet.com!fe01.POSTED!53ab2750!not-for-mail
From: "Daniel W4ADT" <danielw4adt@alltel.net>
Newsgroups: alabama.birmingham.radio.amateur,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.swap
Subject: WANTED: Garmin GPS III +
Lines: 20
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <vX7Fb.2263$gD1.1560@fe01>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Sat, 20 Dec 2003 21:54:19 EST
Date: Sat, 20 Dec 2003 21:51:48 -0500
Xref: archiver1.google.com alabama.birmingham.radio.amateur:834 rec.ham-radio.swap:3537 rec.radio.swap:4448

I am looking for a excellent condition Garmin GPS III + If you have one that you are not using, I would be interested in hearing from you. I do have a few items that I could offer up for trade + some cash if needed for the GPS III +.

They are as follows:

Heil HM-10 Microphone Excellent Condition

PK-232 MBX
A Cannon Digital Camera

Any of these items may be offered in full or partial trade for your GPS III +. If interested, please visit my website below.

73 Daniel W4ADT

Picture available at www.dbgeneralstore.com

```
From -5410276600066135155
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,d49cf69ed154f702,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114a57,d49cf69ed154f702,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: 1031c8,d49cf69ed154f702,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f95bc,d49cf69ed154f702,start
X-Google-Attributes: gidf95bc,public
X-Google-ArrivalTime: 2003-12-21 03:07:52 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!news-
out.visi.com!hermes.visi.com!green.octanews.net!news.octanews.net!cox.net!news-
xfer.cox.net!p01!fed1read02.POSTED!not-for-mail
Message-ID: <3FE51E5C.9010801@nospam.com>
From: Roland <nospam@nospam.com>
User-Agent: Mozilla/5.0 (Windows; U; Win95; en-US; rv:0.9.4) Gecko/20011128
Netscape6/6.2.1
X-Accept-Language: en-us
MIME-Version: 1.0
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
Lines: 121
Date: Sun, 21 Dec 2003 04:15:24 +0000
NNTP-Posting-Host: 68.104.233.84
X-Complaints-To: abuse@cox.net
X-Trace: fed1read02 1072004871 68.104.233.84 (Sun, 21 Dec 2003 06:07:51 EST)
```

NNTP-Posting-Date: Sun, 21 Dec 2003 06:07:51 EST
Organization: Cox Communications
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21071 rec.ham-radio.swap:3538 alt.ham-radio.hf:3831 rec.radio.amateur.swap:5211 rec.radio.swap:4461

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Because of propagation skip I monitor at home here in Phoenix:

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* 3023.5 and 5680 kHz-- International SAR frequencies for the use of all mobile units at the scene of a search. Also for use of shore stations communicating with aircraft proceeding to or from the scene of the search. CW and voice. (I am involved in Search & Rescue being member of volunteer branch of local Sheriffs Department and a private pilot)

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>>
>>
>>
>
>
```

```
From -1954497608653204731
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2003-12-21 05:50:04 PST
Path: archiver1.google.com!news2.google.com!fu-berlin.de!in.100proofnews.com!
in.100proofnews.com!prodigy.com!newsmst01.news.prodigy.com!prodigy.com!
postmaster.news.prodigy.com!newssvr28.news.prodigy.com.POSTED!not-for-mail
From: Tony  <Tony@mail.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
Message-ID: <vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com>
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
X-Newsreader: Forte Agent 1.93/32.576 English (American)
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
```

```
Lines: 133
NNTP-Posting-Host: 67.39.205.190
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr28.news.prodigy.com 1072014484 ST000 67.39.205.190 (Sun, 21 Dec
2003 08:48:04 EST)
NNTP-Posting-Date: Sun, 21 Dec 2003 08:48:04 EST
Organization: SBC http://yahoo.sbc.com
X-UserInfo1:
SCSGGT[D[JPUST@ZNKK^_T\B\JYL@DHLLBWLOOAFMAVNDQUBLNTC@AWZWDXZXQ[K\FFSKCVM@F_N_DOBWV
WG__LG@VVOIPLIGX\
\BU_B@\P\PFX\B[APHTWAHDCKJF^NHD[YJAZMCY_CWG[SX\Y]^KC\HSZRWSWKGAY_PC[BQ[BXAS\F\
\@DMTLFZFUE@\VL
Date: Sun, 21 Dec 2003 13:48:04 GMT
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21072 rec.ham-radio.swap:3540
alt.ham-radio.hf:3832 rec.radio.amateur.swap:5212 rec.radio.swap:4465
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>>>
>>>
>>
>>



From -327332091224651403
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
```

```
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-ArrivalTime: 2003-12-21 07:36:31 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!
in.100proofnews.com!tdsnet-transit!newspeer.tds.net!sn-xit-02!sn-xit-06!sn-
post-01!supernews.com!corp.supernews.com!not-for-mail
From: "Clint" <rattlehead at computron dot net>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
Date: Sun, 21 Dec 2003 09:36:28 -0600
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <vubffugvb7mpb7@corp.supernews.com>
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com>
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
X-Complaints-To: abuse@supernews.com
Lines: 29
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21074 rec.ham-radio.swap:3541
alt.ham-radio.hf:3833 rec.radio.amateur.swap:5213 rec.radio.swap:4470
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news:vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com...

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Incorrect analogy.

Here is an appropriate one; if I want to become a doctor in society TODAY, as in, right now, the time that I live in, what's the point in takeing classes, courses and earning degrees in alchemy and astrology and waisting time learning about the black arts, potions, witch's spells and/or voodoo? They're out of date.... there are new more effective and applicable methods to get the job done.

Would you call a person with a PhD in brain surgery "lazy" if he didn't want to learn how to brew bat wings in the blood of a newborn pig under a full moon in order to get rid of headaches?

Thank you for playing, goodbye.

Clint

```
From -2704992832063903013
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2003-12-21 11:38:57 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!
easynews.com!easynews!small1.nntp.aus1.giganews.com!
border1.nntp.aus1.giganews.com!intern1.nntp.aus1.giganews.com!nntp.giganews.com!
nntp.comcast.com!news.comcast.com.POSTED!not-for-mail
NNTP-Posting-Date: Sun, 21 Dec 2003 13:38:55 -0600
From: Me <justme@home.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
Date: Sun, 21 Dec 2003 13:39:13 -0600
Message-ID: <4ftbuv8nq6cim8ddfdlei5d77t9cpim8iv@4ax.com>
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com>
X-Newsreader: Forte Agent 1.93/32.576 English (American)
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 149
NNTP-Posting-Host: 68.52.114.84
X-Trace: sv3-
c6jwy5H4NwFkrIeXt2xuUEpvybYhuqaRuoM+vDCmf5vkjYXdmgHlVq7tSWMSVDtCcsmzhObf3i2rh9o!
YsvRLtoDbzwAokupxVlwXCuR5m1Nndnok3hfnPZSjovlYjjiyaMALwMArCF+npZxFWpM7hU=
X-Complaints-To: abuse@comcast.net
X-DMCA-Complaints-To: dmca@comcast.net
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
```

X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint properly
X-Postfilter: 1.1
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21079 rec.ham-radio.swap:3542 alt.ham-radio.hf:3836 rec.radio.amateur.swap:5214 rec.radio.swap:4487

While I do tend to agree that cw is mostly an older form of
communications and agree with Roland (btw, well said Roland) I would
like to ask the "old timers" as to how many of you have recently,
within the last 3 years, have actually taken someone aside and offered
to try and teach them cw??? I have been slowly trying to learn cw but
have found that locally VERY few people actually willing to try and
teach cw to anyone. It seems odd to me that so many people are so
willing to complain that no one wishes to learn cw when in fact I
belive its the other side of the coin in that so many are unwilling to
teach it to younger people. Thanks for your time, 73, Billy
KE4PJR

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>>4) For those of you interested try some of these links for ideas to set

>>up a schedule.
>>http://www.tpub.com/content/istts/14225/css/14225_25.htm
>>Because of propagation skip I monitor at home here in Phoenix:
>>* 500 kHz -- International CW/MCW distress and calling (Because I do copy
>>CW 60+wpm)
>>* 2182 kHz-- International voice distress, safety, and calling (Thanks to
>>Ham radio I speak 6 languages fluently and 9 more broken enough to pass
>>an urgent message)
>>* 8364 kHz-- International CW/MCW lifeboat, life raft, and survival craft
>>(CW proficiency plus past USN enlistment)
>>* 121.5 MHz-- International voice aeronautical emergency (am licensed
>>private pilot - single engine/land)
>>* 3023.5 and 5680 kHz-- International SAR frequencies for the use of all
>>mobile units at the scene of a search. Also for use of shore stations
>>communicating with aircraft proceeding to or from the scene of the
>>search. CW and voice. (I am involved in Search & Rescue being member of
>>volunteer branch of local Sheriffs Department and a private pilot)
>>5) In case some of you "modern VEC hams" aren't aware a signaling
>>device capable of CW can be made from something as simple as a "back
>>wired" cheap transistor broadcast receiver capable of signaling a
>>monitoring "old-timer antiquated" ham like me to summon help thus saving
>>lives. I have to date logged nineteen (19) actual distress calls since
>>1954 including 9 merchant ships, 4 military aircraft, 2 commercial
>>pleasure cruisers, one 52 ft pleasure sailboat in S Pacific, and 3 lost
>>private aircraft. Most have been "CW" and only two were AM voice. Lets
>>hope that if you happen to be among survivors of a disaster there is a
>>"real old time ham" available that can from the most simplest "junk"
>>signal for help to another "real old time ham antiquated" just in case
>>your $3000 SSB transceiver is damaged beyond toast and unusable. (hihi)
>>It never ceases to amaze me that you die hards seem to think that the
>>only thing not damaged in a distress situation will be your modern
>>technology transceiver (of which I have three).
>>6) Lastly: Believe me I have spent my share of years "ragchewing" SSB,
>>SSTV, ATV, AM, packet (both landbased and with space shuttle), but
>>mainly daily my specialty is mucho, mucho CW. Man I do love it!!!
>>
>>Summary: Well, if you have read this thread this far you must know that
>> I know my xyl and I are excessive because we can signal with a flash
>>lights, automobile horn, and even with semaphore, etc. Repeating
>>Amateur Radio's Mission Statement deals first with the commitment to aid
>>the public in case of emergency and secondly with self pleasure. I
>>personally don't feel a person should be able to call themselves a
>>"Amateur Radio Ham" if they can't from the simplest means be able
>>communicate with others in an emergency situation to offer service to
>>the public. A lot can be done with just 5wpm CW by signaling with
>>horns, lights or a simple "dirty" (spurious) transmitter. We recently
>>had a ham with a flash light AND a mirror that did not know simplest CW
>>go as far as setting an entire forest on fire destroying property and
>>homes to signal a helicopter for help. Dumb!!!!
>>
>>No, my friend CW will never be "toast", thank god for the lives that
>>have been saved in the past and will be in the far future centuries to
>>come and forever. You and others like you definitely won't be a part of

>>it though ....unless you change your attitude. Nothing will ever
>>replace it because it is so basic and simple!! Unfortunately many
>>hundreds or even thousands have been lost because of not knowing this
>>simplest means of communications .... International Morse Code. Some
>>old timer friends and I have been working on a transmitter technique
>>using natural surrounding minerals using damp tree branches for an
>>antenna and without using batteries, tubes, or transistors, that
>>generate legible spurious noise heard by any sensitive receiver for
>>signally .... that is by CW, of course, sorry no USB/USB or AM!! (HIHI)
>>
>>Roland S Geter PhD - WB6LNA ex W2RPQ since 1954
>>Madell M Geter RN - KD6QCH xyl since 1959
>>roland@geter.org
>>
>>
>>Jim McDermott wrote:
>>
>>> Hamguy?!?! Who are YOU kidding?
>>>
>>> Let's see....we all had to mumble jibberish, before we talked. Learned to
>>> suck before we could eat. Learned to crawl before we could walk.
>>>
>>> What was your point?
>>>
>>> "Hamguy" <hamguy@arrl.net> wrote in message
>>> news:zDUCb.11793$JW3.1413@twister.nyroc.rr.com...
>>>
>>>>Just because my Great Grandfather had to 'crank start' his car, we should
>>>>ALL have to learn how to do it prior to driving. And his wife had to use a
>>>>'crank style' telephone, therefore we ALL should have to master that
>>>>technology PRIOR to using a cell-phone just because they did.
>>>>
>>> Additionally,
>>>
>>>>we should ALL have to learn the computer language known as 'Basic' or
>>>>'Fortran' PRIOR to using a PC because I and so many others had to learn
>>>>
>>> it.
>>>
>>>>And EVERYONE should be required to learn an antiquated mode known as CW
>>>>before they get on HF because some 18th century guy invented it. Either
>>>>catch-up with the times, or get the HELL out of the way!   Like it or not,
>>>>CW is TOAST!
>>>>
>>>>
>>>>
>>>
>>>

From -2501710247508275605
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2003-12-21 12:15:28 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!sn-xit-03!sn-xit-06!sn-post-02!sn-post-01!supernews.com!corp.supernews.com!not-for-mail
From: Bill Turner <noway@nohow.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
Date: Sun, 21 Dec 2003 12:15:22 -0800
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <vubvqvc9p0i761@corp.supernews.com>
User-Agent: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.6b) Gecko/20031205 Thunderbird/0.4
X-Accept-Language: en-us, en
MIME-Version: 1.0
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com>
<4ftbuv8nq6cim8ddfdlei5d77t9cpim8iv@4ax.com>
In-Reply-To: <4ftbuv8nq6cim8ddfdlei5d77t9cpim8iv@4ax.com>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
X-Complaints-To: abuse@supernews.com
Lines: 17
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21082 rec.ham-radio.swap:3543
alt.ham-radio.hf:3837 rec.radio.amateur.swap:5215 rec.radio.swap:4495

Me wrote:

> I would
> like to ask the "old timers" as to how many of you have recently,
> within the last 3 years, have actually taken someone aside and offered
> to try and teach them cw???

Perhaps a better question would be: "How many of you old timers have had people express an interest in ham radio and asked for help in learning CW".

Answer: Several for the first part, zero for the second part.

--
Bill W6WRT

From -1605204089564074565
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2003-12-21 17:33:33 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!
easynews.com!easynews!elnk-pas-nf1!newsfeed.earthlink.net!pd7cy1no!shaw.ca!
pd7tw3no.POSTED!53ab2750!not-for-mail
X-Trace-PostClient-IP: 68.144.181.126
From: Tony Hwang <dragon40@shaw.ca>
User-Agent: Mozilla/5.0 (Windows; U; Windows NT 5.0; en-US; rv:1.4) Gecko/20030624
Netscape/7.1 (ax)
X-Accept-Language: en-us, ko-kr
MIME-Version: 1.0
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<iu0cuvocmu9k4236pi5hlui34fotm1keq9@4ax.com>
In-Reply-To: <iu0cuvocmu9k4236pi5hlui34fotm1keq9@4ax.com>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
Lines: 43
Message-ID: <NRrFb.773577$pl3.261597@pd7tw3no>
Date: Mon, 22 Dec 2003 01:33:33 GMT
NNTP-Posting-Host: 24.71.223.147
X-Complaints-To: abuse@shaw.ca
X-Trace: pd7tw3no 1072056813 24.71.223.147 (Sun, 21 Dec 2003 18:33:33 MST)
NNTP-Posting-Date: Sun, 21 Dec 2003 18:33:33 MST
Organization: Shaw Residential Internet
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21103 rec.ham-radio.swap:3545
alt.ham-radio.hf:3840 rec.radio.amateur.swap:5217 rec.radio.swap:4509

Hi,
Wrong! Nothing goes out of date. We learn and build from old.
I am still using CW regularly.
I am on other modes as well but not as much interested as CW.
I see still people riding horse drawn buggy and climb mountains on foot.
I still see people writing letters instead of emails using fountain pen.
Still people paint pictures instead of snapping with digital camera.
I dont see anything wrong with that.
Let it be and let everyone do/enjoy whatever s/he likes.
Season's greetings, 73.
Tony, VE6CGX
P.S. How about guys who do not know how to drive manual?
      Are they real drivers? They should give driver test
      using stick shift.

Bill Turner wrote:
> On Sun, 21 Dec 2003 09:36:28 -0600, "Clint" <rattlehead at computron dot
> net> wrote:
>
>
>>Incorrect analogy.
>>
>>Here is an appropriate one; if I want to become a doctor in society
>>TODAY, as in, right now, the time that I live in, what's the point in
>>takeing classes, courses and earning degrees in alchemy and astrology
>>and waisting time learning about the black arts, potions, witch's spells
>>and/or voodoo? They're out of date.... there are new more effective
>>and applicable methods to get the job done.
>>
>>Would you call a person with a PhD in brain surgery "lazy" if he
>>didn't want to learn how to brew bat wings in the blood of a newborn
>>pig under a full moon in order to get rid of headaches?
>>
>>Thank you for playing, goodbye.
>>
>>Clint
>
>
> ____________________
>
> I hereby nominate the above for post of the month. Maybe the year.
>

From -1765181044958252578
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,d49cf69ed154f702

```
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2003-12-21 23:46:34 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!
easynews.com!easynews!bigfeed2.bellsouth.net!bigfeed.bellsouth.net!
news.bellsouth.net!peer01.cox.net!cox.net!p01!fed1read02.POSTED!not-for-mail
Message-ID: <3FE640AB.3020600@nospam.com>
From: Roland <nospam@nospam.com>
User-Agent: Mozilla/5.0 (Windows; U; Win95; en-US; rv:0.9.4) Gecko/20011128
Netscape6/6.2.1
X-Accept-Language: en-us
MIME-Version: 1.0
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com>
<4ftbuv8nq6cim8ddfdlei5d77t9cpim8iv@4ax.com>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
Lines: 189
Date: Mon, 22 Dec 2003 00:54:03 +0000
NNTP-Posting-Host: 68.104.233.84
X-Complaints-To: abuse@cox.net
X-Trace: fed1read02 1072079193 68.104.233.84 (Mon, 22 Dec 2003 02:46:33 EST)
NNTP-Posting-Date: Mon, 22 Dec 2003 02:46:33 EST
Organization: Cox Communications
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21109 rec.ham-radio.swap:3548
alt.ham-radio.hf:3842 rec.radio.amateur.swap:5220 rec.radio.swap:4522
```

Hi Billy,

Thanks for answering with your very intelligent response. Although I am 60+wpm I was not naturally that speed at birth. Here is the very simple secret to learn CW and is taught to USN Radio operators with amazing 99.9% results. I was already a ham for 5 yrs with I joined the USN in 1959 but I saw guys & gals from tractors on farms to large urban cities learn CW with great ease and fun.

Yes, Billy, I have directly taught scores of boys/girls men/women CW with the following method:

1) CW is rythmn!!!!!! Like music with a metronome!!!! CW was taught in the USN with music playing in the background at a "medium" speed.
2) Every student Radioman had an old fashioned "straight key" connected

to a code oscillator and then learned to SEND CW starting with the
letter A, B, C, etc. They learned the structure of letters by sending
them thus "automatically" learning to RECEIVE CW. Great, huh?
3) So, forget code tapes and code broadcasts until you learn the
structure of the characters again by sending plain text (newspaper,
magazines, etc) to yourself at the rythmn of music or just patting your
foot!!!
   4) If you want some help getting started I can do it by telephone to
start you with the rythmn needed. Simply email me with your telephone
number at address below.
Roland - WB6LNA
roland@geter.org
480-991-7300 anytime 24/7

Me wrote:

> While I do tend to agree that cw is mostly an older form of
> communications and agree with Roland (btw, well said Roland) I would
> like to ask the "old timers" as to how many of you have recently,
> within the last 3 years, have actually taken someone aside and offered
> to try and teach them cw??? I have been slowly trying to learn cw but
> have found that locally VERY few people actually willing to try and
> teach cw to anyone. It seems odd to me that so many people are so
> willing to complain that no one wishes to learn cw when in fact I
> belive its the other side of the coin in that so many are unwilling to
> teach it to younger people. Thanks for your time,   73,   Billy
> KE4PJR
>
>
>
> On Sun, 21 Dec 2003 13:48:04 GMT, Tony <Tony@mail.com> wrote:
>
>
>>I want to be a doctor but why should I have to take those tests for.
>>Lets get rid of thoses tests.
>>
>>The Man said it all only those cry babes that are to lazy to learn
>>something new. Get a Life If you dont like learning code then go to
>>the Internet or CB..........
>>
>>
>>
>>On Sun, 21 Dec 2003 04:15:24 +0000, Roland <nospam@nospam.com> wrote:
>>
>>
>>>Please let me enlighten some of you "youngsters" and some rather lazy
>>>ones I might add on what us "oldtimers" consider ham radio really is.
>>>Amateur Radio is truly changing .... right. It truly started with
>>>a Mission Statement to serve the public in case of emergency. It's
>>>become a super CB'er gab medium "legally" allowing more distance and power.
>>>1) Back in the mid 50's we had to travel to an FCC office and pay a few

>>>bucks to take a supervised exam both written and International Morse
>>>code. Under those non VEC conditions I received 4 full college college
>>>credits for my General Class license that to this day appears on my
>>>transcript from Univ of the State of NY.
>>>2) Back then ALL us hams read thoroughly the ARRL Amateur Radio
>>>Handbook, some of us built our first receiver (usually
>>>super-regenerative) others purchased our receiver but definitely we all
>>>built our first transmitter from "junk" parts or purchased a kit.
>>>3) In keeping with the Amateur Radio Mission Statement us "old timer
>>>real ham" ultimate dream was and still is today to possibly someday save
>>>some lives of public that may be in distress by monitoring one of the
>>>international distress frequencies almost daily.
>>>4) For those of you interested try some of these links for ideas to set
>>>up a schedule.
>>>http://www.tpub.com/content/istts/14225/css/14225_25.htm
>>>Because of propagation skip I monitor at home here in Phoenix:
>>>* 500 kHz -- International CW/MCW distress and calling (Because I do copy
>>>CW 60+wpm)
>>>* 2182 kHz-- International voice distress, safety, and calling (Thanks to
>>>Ham radio I speak 6 languages fluently and 9 more broken enough to pass
>>>an urgent message)
>>>* 8364 kHz-- International CW/MCW lifeboat, life raft, and survival craft
>>>(CW proficiency plus past USN enlistment)
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>>>* 3023.5 and 5680 kHz-- International SAR frequencies for the use of all
>>>mobile units at the scene of a search. Also for use of shore stations
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>>>volunteer branch of local Sheriffs Department and a private pilot)
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>>>wired" cheap transistor broadcast receiver capable of signaling a
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>>>It never ceases to amaze me that you die hards seem to think that the
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>>>Summary: Well, if you have read this thread this far you must know that
>>> I know my xyl and I are excessive because we can signal with a flash
>>>lights, automobile horn, and even with semaphore, etc. Repeating
>>>Amateur Radio's Mission Statement deals first with the commitment to aid

>>>the public in case of emergency and secondly with self pleasure. I
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>>>homes to signal a helicopter for help. Dumb!!!!
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>>>No, my friend CW will never be "toast", thank god for the lives that
>>>have been saved in the past and will be in the far future centuries to
>>>come and forever. You and others like you definitely won't be a part of
>>>it though ....unless you change your attitude. Nothing will ever
>>>replace it because it is so basic and simple!! Unfortunately many
>>>hundreds or even thousands have been lost because of not knowing this
>>>simplest means of communications .... International Morse Code. Some
>>>old timer friends and I have been working on a transmitter technique
>>>using natural surrounding minerals using damp tree branches for an
>>>antenna and without using batteries, tubes, or transistors, that
>>>generate legible spurious noise heard by any sensitive receiver for
>>>signally .... that is by CW, of course, sorry no USB/USB or AM!! (HIHI)
>>>
>>>Roland S Geter PhD - WB6LNA ex W2RPQ since 1954
>>>Madell M Geter RN - KD6QCH xyl since 1959
>>>roland@geter.org
>>>
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>>>
>>>
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>>>>
>>>>Let's see....we all had to mumble jibberish, before we talked. Learned to
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>>>>
>>>>What was your point?
>>>>
>>>>"Hamguy" <hamguy@arrl.net> wrote in message
>>>>news:zDUCb.11793$JW3.1413@twister.nyroc.rr.com...
>>>>
>>>>
>>>>>Just because my Great Grandfather had to 'crank start' his car, we should
>>>>>ALL have to learn how to do it prior to driving. And his wife had to use a
>>>>>'crank style' telephone, therefore we ALL should have to master that
>>>>>technology PRIOR to using a cell-phone just because they did.
>>>>>
>>>>>
>>>>Additionally,
>>>>
>>>>
>>>>>we should ALL have to learn the computer language known as 'Basic' or
>>>>>'Fortran' PRIOR to using a PC because I and so many others had to learn

```
>>>>>
>>>>>
>>>>it.
>>>>
>>>>
>>>>>And EVERYONE should be required to learn an antiquated mode known as CW
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>>>>>catch-up with the times, or get the HELL out of the way!   Like it or not,
>>>>>CW is TOAST!
>>>>>
>>>>>
>>>>>
>>>>>
>>>>
>
```

```
From 9175129695583507810
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2003-12-22 10:20:57 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!elnk-pas-nf1!
newsfeed.earthlink.net!stamper.news.pas.earthlink.net!
stamper.news.atl.earthlink.net!newsread1.news.atl.earthlink.net.POSTED!96824b94!
not-for-mail
From: "Dan/W4NTI" <w4nti@get rid of this mindspring.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com>
<4ftbuv8nq6cim8ddfdlei5d77t9cpim8iv@4ax.com> <3FE640AB.3020600@nospam.com>
<1lnduv8vjlvaq8jurkfmmj7lc14nmu9eqi@4ax.com>
Subject: Re: Bye Bye CW
Lines: 37
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
```

Message-ID: <cCGFb.9348$wL6.3384@newsread1.news.atl.earthlink.net>
Date: Mon, 22 Dec 2003 18:20:56 GMT
NNTP-Posting-Host: 165.121.239.101
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread1.news.atl.earthlink.net 1072117256 165.121.239.101 (Mon, 22 Dec 2003 10:20:56 PST)
NNTP-Posting-Date: Mon, 22 Dec 2003 10:20:56 PST
Organization: EarthLink Inc. -- http://www.EarthLink.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21114 rec.ham-radio.swap:3551 alt.ham-radio.hf:3845 rec.radio.amateur.swap:5222 rec.radio.swap:4544

"Bill Turner" <noway@nohow.com> wrote in message
news:1lnduv8vjlvaq8jurkfmmj7lc14nmu9eqi@4ax.com...
> On Mon, 22 Dec 2003 00:54:03 +0000, Roland <nospam@nospam.com> wrote:
>
> >1) CW is rythmn!!!!!! Like music with a metronome!!!! CW was taught
> >in the USN with music playing in the background at a "medium" speed.
> >2) Every student Radioman had an old fashioned "straight key" connected
> >to a code oscillator and then learned to SEND CW starting with the
> >letter A, B, C, etc. They learned the structure of letters by sending
> >them thus "automatically" learning to RECEIVE CW. Great, huh?
> >3) So, forget code tapes and code broadcasts until you learn the
> >structure of the characters again by sending plain text (newspaper,
> >magazines, etc) to yourself at the rythmn of music or just patting your
> >foot!!!
>
> ____________________
>
> This sounds like an excellent method. I know if I were a beginner it
> would work best for me. I wonder why it isn't used more?
>
> --
> Bill W6WRT
>

Because when the FCC, in their infinite wisdom, decided not to require a
sending test any longer. Everyone stopped bothering.

That is how I learned CW, back in 61. It worked for me. I now do 50 easy.
And have done so for years.

Roland is right on target. And BTW Roland I have saved your comments. Glad
to meet a real ham.

Dan/W4NTI

From -4443607601793413441
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2003-12-22 19:27:37 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!newshub.sdsu.edu!elnk-nf2-pas!elnk-pas-nf1!newsfeed.earthlink.net!pd7cy1no!shaw.ca!pd7tw3no.POSTED!53ab2750!not-for-mail
X-Trace-PostClient-IP: 68.144.181.126
From: Tony Hwang <dragon40@shaw.ca>
User-Agent: Mozilla/5.0 (Windows; U; Windows NT 5.0; en-US; rv:1.4) Gecko/20030624 Netscape/7.1 (ax)
X-Accept-Language: en-us, ko-kr
MIME-Version: 1.0
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com>
<4ftbuv8nq6cim8ddfdlei5d77t9cpim8iv@4ax.com> <3FE640AB.3020600@nospam.com>
<1lnduv8vjlvaq8jurkfmmj7lc14nmu9eqi@4ax.com>
In-Reply-To: <1lnduv8vjlvaq8jurkfmmj7lc14nmu9eqi@4ax.com>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
Lines: 28
Message-ID: <ICOFb.785712$pl3.750800@pd7tw3no>
Date: Tue, 23 Dec 2003 03:27:36 GMT
NNTP-Posting-Host: 24.71.223.147
X-Complaints-To: abuse@shaw.ca
X-Trace: pd7tw3no 1072150056 24.71.223.147 (Mon, 22 Dec 2003 20:27:36 MST)
NNTP-Posting-Date: Mon, 22 Dec 2003 20:27:36 MST
Organization: Shaw Residential Internet
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21120 rec.ham-radio.swap:3552 alt.ham-radio.hf:3846 rec.radio.amateur.swap:5224 rec.radio.swap:4570

Hi,
I am a life time tuba player, hi.
There are many musician CW ops.
Season's greetings.
Tony, VE6CGX

Bill Turner wrote:
> On Mon, 22 Dec 2003 00:54:03 +0000, Roland <nospam@nospam.com> wrote:

```
>
>
>>1)  CW is rythmn!!!!!!  Like music with a metronome!!!!  CW was taught
>>in the USN with music playing in the background at a "medium" speed.
>>2)  Every student Radioman had an old fashioned "straight key" connected
>>to a code oscillator and then learned to SEND CW starting with the
>>letter A, B, C, etc.  They learned the structure of letters by sending
>>them thus "automatically" learning to RECEIVE CW.  Great, huh?
>>3)  So, forget code tapes and code broadcasts until you learn the
>>structure of the characters again by sending plain text (newspaper,
>>magazines, etc) to yourself at the rythmn of music or just patting your
>>foot!!!
>
>
> --------------------
>
> This sounds like an excellent method.  I know if I were a beginner it
> would work best for me.  I wonder why it isn't used more?
>



From -8048545463736719359
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2003-12-22 20:46:07 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-01!sn-post-02!sn-
post-01!supernews.com!corp.supernews.com!not-for-mail
From: Dean Arthur <dearthur@silverstar.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
Date: Mon, 22 Dec 2003 21:46:24 -0700
Organization: Return With A Vengeance
Message-ID: <3FE7C8A0.9BBED8BE@silverstar.com>
Reply-To: dearthur@silverstar.com
X-Mailer: Mozilla 4.77C-CCK-MCD {C-UDP; EBM-APPLE} (Macintosh; U; PPC)
X-Accept-Language: en
MIME-Version: 1.0
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
```

```
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<iu0cuvocmu9k4236pi5hlui34fotm1keq9@4ax.com> <NRrFb.773577$pl3.261597@pd7tw3no>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Complaints-To: abuse@supernews.com
Lines: 14
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21125 rec.ham-radio.swap:3553
alt.ham-radio.hf:3847 rec.radio.amateur.swap:5225 rec.radio.swap:4579

Tony Hwang wrote:
>
> Hi,
> Wrong! Nothing goes out of date. We learn and build from old.


> I still see people writing letters instead of emails using fountain pen.

> > ____________________
> >
> > I hereby nominate the above for post of the month.  Maybe the year.
> >

How does one do [...emails using fountain pen.]?


From 6945183540434201794
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2003-12-25 09:34:29 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!news-out.visi.com!petbe.visi.com!newsfeeds-atl2!
news.webusenet.com!elnk-atl-nf1!newsfeed.earthlink.net!cyclone.tampabay.rr.com!
news-post.tampabay.rr.com!twister.tampabay.rr.com.POSTED!53ab2750!not-for-mail
From: Albert Dente <sabbatai_zvi@NOSPAMhotmail.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
Reply-To: sabbatai_zvi@NOSPAMhotmail.com
Message-ID: <tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
```

```
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
X-Newsreader: Forte Agent 1.91/32.564
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 46
Date: Thu, 25 Dec 2003 17:34:29 GMT
NNTP-Posting-Host: 65.33.64.104
X-Complaints-To: abuse@rr.com
X-Trace: twister.tampabay.rr.com 1072373669 65.33.64.104 (Thu, 25 Dec 2003
12:34:29 EST)
NNTP-Posting-Date: Thu, 25 Dec 2003 12:34:29 EST
Organization: RoadRunner - Central Florida
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21172 rec.ham-radio.swap:3565
alt.ham-radio.hf:3855 rec.radio.amateur.swap:5227 rec.radio.swap:4684

On Sun, 21 Dec 2003 09:36:28 -0600, "Clint" <rattlehead at computron
dot net> wrote:

>"Tony" <Tony@mail.com> wrote in message
>news:vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com...
>>
>> I want to be a doctor but why should I have to take those tests for.
>> Lets get rid of thoses tests.
>>
>> The Man said it all only those cry babes that are to lazy to learn
>> something new. Get a Life If you dont like learning code then go to
>> the Internet or CB..........
>>
>
>Incorrect analogy.
>
>Here is an appropriate one; if I want to become a doctor in society
>TODAY, as in, right now, the time that I live in, what's the point in
>takeing classes, courses and earning degrees in alchemy and astrology
>and waisting time learning about the black arts, potions, witch's spells
>and/or voodoo? They're out of date.... there are new more effective
>and applicable methods to get the job done.
>
>Would you call a person with a PhD in brain surgery "lazy" if he
>didn't want to learn how to brew bat wings in the blood of a newborn
>pig under a full moon in order to get rid of headaches?
>
>Thank you for playing, goodbye.
>
>Clint

Exactly Clint. You have in fact SUPPORTED his point.

You should stay with the internet and FORGET amateur radio.
```

It's far too "dull and old fashioned" for a trendy "modern"
guy like you!

Stay off the air and we will ALL be happier, including you!

Can you guys talk to him some more HERE please, so
he will be too pre-occupied to get on the radio?

Thanks!

```
From -6858076906518149958
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2003-12-25 09:35:15 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!
easynews.com!easynews!bigfeed2.bellsouth.net!news.bellsouth.net!elnk-atl-nf1!
newsfeed.earthlink.net!cyclone.tampabay.rr.com!news-post.tampabay.rr.com!
twister.tampabay.rr.com.POSTED!53ab2750!not-for-mail
From: Albert Dente <sabbatai_zvi@NOSPAMhotmail.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
Reply-To: sabbatai_zvi@NOSPAMhotmail.com
Message-ID: <gt7muvouabpugd965n0go7h7lgnoemecla@4ax.com>
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<iu0cuvocmu9k4236pi5hlui34fotm1keq9@4ax.com>
X-Newsreader: Forte Agent 1.91/32.564
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 36
Date: Thu, 25 Dec 2003 17:35:14 GMT
NNTP-Posting-Host: 65.33.64.104
X-Complaints-To: abuse@rr.com
```

```
X-Trace: twister.tampabay.rr.com 1072373714 65.33.64.104 (Thu, 25 Dec 2003
12:35:14 EST)
NNTP-Posting-Date: Thu, 25 Dec 2003 12:35:14 EST
Organization: RoadRunner - Central Florida
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21173 rec.ham-radio.swap:3566
alt.ham-radio.hf:3856 rec.radio.amateur.swap:5228 rec.radio.swap:4685

On Sun, 21 Dec 2003 12:34:55 -0800, Bill Turner <noway@nohow.com>
wrote:

>On Sun, 21 Dec 2003 09:36:28 -0600, "Clint" <rattlehead at computron dot
>net> wrote:
>
>>Incorrect analogy.
>>
>>Here is an appropriate one; if I want to become a doctor in society
>>TODAY, as in, right now, the time that I live in, what's the point in
>>takeing classes, courses and earning degrees in alchemy and astrology
>>and waisting time learning about the black arts, potions, witch's spells
>>and/or voodoo? They're out of date.... there are new more effective
>>and applicable methods to get the job done.
>>
>>Would you call a person with a PhD in brain surgery "lazy" if he
>>didn't want to learn how to brew bat wings in the blood of a newborn
>>pig under a full moon in order to get rid of headaches?
>>
>>Thank you for playing, goodbye.
>>
>>Clint
>
>____________________
>
>I hereby nominate the above for post of the month.  Maybe the year.

I hereby noimnate the above for "Mindless Fawning of the Year."

No!

Of the 45 years!

LOL




From 8062514172272052984
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
```

```
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2003-12-25 09:36:09 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!
easynews.com!easynews!bigfeed2.bellsouth.net!news.bellsouth.net!elnk-atl-nf1!
newsfeed.earthlink.net!cyclone.tampabay.rr.com!news-post.tampabay.rr.com!
twister.tampabay.rr.com.POSTED!53ab2750!not-for-mail
From: Albert Dente <sabbatai_zvi@NOSPAMhotmail.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
Reply-To: sabbatai_zvi@NOSPAMhotmail.com
Message-ID: <0v7muv4e105bti4mlfuor1bm6668rpndut@4ax.com>
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<iu0cuvocmu9k4236pi5hlui34fotm1keq9@4ax.com> <NRrFb.773577$pl3.261597@pd7tw3no>
X-Newsreader: Forte Agent 1.91/32.564
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 23
Date: Thu, 25 Dec 2003 17:36:08 GMT
NNTP-Posting-Host: 65.33.64.104
X-Complaints-To: abuse@rr.com
X-Trace: twister.tampabay.rr.com 1072373768 65.33.64.104 (Thu, 25 Dec 2003
12:36:08 EST)
NNTP-Posting-Date: Thu, 25 Dec 2003 12:36:08 EST
Organization: RoadRunner - Central Florida
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21174 rec.ham-radio.swap:3567
alt.ham-radio.hf:3857 rec.radio.amateur.swap:5229 rec.radio.swap:4686

On Mon, 22 Dec 2003 01:33:33 GMT, Tony Hwang <dragon40@shaw.ca> wrote:

>Hi,
>Wrong! Nothing goes out of date. We learn and build from old.
>I am still using CW regularly.
>I am on other modes as well but not as much interested as CW.
>I see still people riding horse drawn buggy and climb mountains on foot.
>I still see people writing letters instead of emails using fountain pen.
>Still people paint pictures instead of snapping with digital camera.
>I dont see anything wrong with that.
>Let it be and let everyone do/enjoy whatever s/he likes.
>Season's greetings, 73.
>Tony, VE6CGX
>P.S. How about guys who do not know how to drive manual?
```

> Are they real drivers? They should give driver test
> using stick shift.

Now Tony - you KNOW that Bill and his little buddy can't STAND any of
that WALKING!

Why would you do THAT when we have cars?

From -4208558376825079391
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2003-12-25 10:00:02 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!easynews.com!easynews!bigfeed2.bellsouth.net!news.bellsouth.net!elnk-atl-nf1!newsfeed.earthlink.net!cyclone.tampabay.rr.com!news-post.tampabay.rr.com!twister.tampabay.rr.com.POSTED!53ab2750!not-for-mail
From: Trippy-Dippy <trippy@hotmail.net>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
Reply-To: trippy@hotmail.net
Message-ID: <j18muvgg9d1dm1euru24knl9o9fqqadg4b@4ax.com>
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com> <xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com> <vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <4ftbuv8nq6cim8ddfdlei5d77t9cpim8iv@4ax.com>
X-Newsreader: Forte Agent 1.91/32.564
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 12
Date: Thu, 25 Dec 2003 17:38:00 GMT
NNTP-Posting-Host: 65.33.64.104
X-Complaints-To: abuse@rr.com
X-Trace: twister.tampabay.rr.com 1072373880 65.33.64.104 (Thu, 25 Dec 2003 12:38:00 EST)

NNTP-Posting-Date: Thu, 25 Dec 2003 12:38:00 EST
Organization: RoadRunner - Central Florida
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21175 rec.ham-radio.swap:3568
alt.ham-radio.hf:3858 rec.radio.amateur.swap:5231 rec.radio.swap:4691

On Sun, 21 Dec 2003 13:39:13 -0600, Me <justme@home.com> wrote:

>While I do tend to agree that cw is mostly an older form of
>communications and agree with Roland (btw, well said Roland) I would
>like to ask the "old timers" as to how many of you have recently,
>within the last 3 years, have actually taken someone aside and offered
>to try and teach them cw???

Before you start guilt-tripping others, let us ask you how many times
you have offered to teach anyone ANYTHING about ham radio in the last
3 years?

From -3376834294531026722
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2003-12-25 11:57:57 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!news-out.visi.com!petbe.visi.com!newsfeeds-atl2!
news.webusenet.com!elnk-atl-nf1!newsfeed.earthlink.net!
stamper.news.atl.earthlink.net!newsread3.news.atl.earthlink.net.POSTED!a9d97033!
not-for-mail
From: "Dwight Stewart" <stewartx@NOearthlinkSPAM.net>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
Subject: Re: Bye Bye CW
Lines: 58
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net>
Date: Thu, 25 Dec 2003 19:57:57 GMT
NNTP-Posting-Host: 63.179.112.201
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread3.news.atl.earthlink.net 1072382277 63.179.112.201 (Thu, 25 Dec 2003 11:57:57 PST)
NNTP-Posting-Date: Thu, 25 Dec 2003 11:57:57 PST
Organization: EarthLink Inc. -- http://www.EarthLink.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21177 rec.ham-radio.swap:3570 alt.ham-radio.hf:3859 rec.radio.amateur.swap:5232 rec.radio.swap:4705

"Albert Dente" wrote:
>
> (snip) You should stay with the internet
> and FORGET amateur radio.
>
> It's far too "dull and old fashioned" for
> a trendy "modern" guy like you!
>
> Stay off the air and we will ALL be
> happier, including you!   (snip)

Lets see what the FCC has to say about that, Albert. In the Report & Order following the last round of restructuring, the FCC said;

"We are persuaded that because the amateur service is fundamentally a technical service, the emphasis on Morse code proficiency as a licensing requirement does not comport with the basis and purpose of the service. We note, moreover, that the design of modern communications systems, including personal communication services, satellite, fiber optic, and high definition television systems, are based on digital communication technologies. We also note that no communication system has been designed in many years that depends on hand-keyed telegraphy or the ability to receive messages in Morse code by ear. In contrast, modern communication systems are designed to be automated systems. Given the changes that have occurred in communications in the last fifty years, we believe that reducing the emphasis on

> telegraphy proficiency as a licensing
> requirement will allow the amateur service
> to, as it has in the past, attract technically
> inclined persons, particularly the youth of
> our country, and encourage them to learn
> and to prepare themselves in the areas
> where the United States needs expertise."

Clearly, Morse code proficiency as a licensing requirement is out of place in Amateur Radio today, Albert. As is your attempts to urge anyone who opposes code proficiency as a licensing requirement to "forget" about Amateur Radio. The radio world is moving forward. Either we move forward with it or we become irrelevant. If we choose the latter path, we will no longer be worthy of the massive frequencies and operating privileges we enjoy - no irrelevant radio service is.

Dwight Stewart (W5NET)

http://www.qsl.net/w5net/

From 8311565945738407025
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2003-12-25 15:16:09 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!news-rtr.nyroc.rr.com!news-out.nyroc.rr.com!twister.nyroc.rr.com.POSTED!53ab2750!not-for-mail
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
From: "N4ZN/2" <sandblaster@hotmail.com>
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com>
<4ftbuv8nq6cim8ddfdlei5d77t9cpim8iv@4ax.com>
<j18muvgg9d1dm1euru24knl9o9fqqadg4b@4ax.com>
Organization: us hams

Message-ID: <Xns945CB9C87A697sandblasterhotmailco@24.24.2.167>
Followup-To: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors
User-Agent: Xnews/06.08.25
Lines: 65
Date: Thu, 25 Dec 2003 23:15:49 GMT
NNTP-Posting-Host: 24.169.213.60
X-Complaints-To: abuse@rr.com
X-Trace: twister.nyroc.rr.com 1072394149 24.169.213.60 (Thu, 25 Dec 2003 18:15:49 EST)
NNTP-Posting-Date: Thu, 25 Dec 2003 18:15:49 EST
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21181 rec.ham-radio.swap:3572 alt.ham-radio.hf:3860 rec.radio.amateur.swap:5234 rec.radio.swap:4714

Actually, I like the "code quick" program, myself. I am in no way affiliated with the company that markets it, but it's money well spent. I don't recommend the computer program, as much as the tapes, but the computer program does allow you to paste in ANY text, and have it sent in morse code, (your email, etc) thus giving you fresh stuff to copy all the time. The tape set works with you on a more personal level, and actually uses about 5 different methods, at once, to get the code stuck in your head. It ignores the dits and dahs, and teaches you the characters by the sound of the entire character, likening it to a phrase, which sounds just like the character, when sent.

Here is an interesting, and true story. I took a total of 9 cbers, who were all dead set against the code, but finally decided it wasn't going away any time soon. All of them wanting to get on HF, and with a little prodding by the origional fellow who agreed to let me teach him well enough to pass the test in less than two weeks, guaranteed. They showed up for one hour a night for nine days. The nine day mark just happened to be the first available code test, after commencing our little project. All of them, seeing how easy, and fun it was to learn code, decided to take a whack at it at that code test. All of the nine, except 1, passed with perfect copy, and didn't even have to take the multiple guess test. Of the 9, one was totally blind, and took the test with earphones and a "blind typewriter" (not knowing the correct term for this device). The one fellow who failed, had only been attending the group for about 4 days, but just had the balls to give it a go, anyway. He later passed on his own.

I taught them using the code quick method, lacking all the tapes, and materials. I just did it live, using the guys HF rigs built in keyer, set to no break in.

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2)are never going to use it

3)shouldn't be required to

4)can't learn it

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Anyone want help in the WNY area, I'll help you too. It really is much easier to pass the code test, than to learn all the extra info to pass the expanded written exam. Just respond here, and we'll see what we can come up with.

From -9083733800236729065
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2003-12-25 15:44:57 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!news-rtr.nyroc.rr.com!news-out.nyroc.rr.com!twister.nyroc.rr.com.POSTED!53ab2750!not-for-mail
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
From: spanky <sandblaster@hotmail.com>
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com> <xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>

<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com>
<4ftbuv8nq6cim8ddfdlei5d77t9cpim8iv@4ax.com>
<j18muvgg9d1dm1euru24knl9o9fqqadg4b@4ax.com>
Organization: bonerbiz
Message-ID: <Xns945CBEAFFE579sandblasterhotmailco@24.24.2.167>
Followup-To: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
User-Agent: Xnews/06.08.25
Lines: 65
Date: Thu, 25 Dec 2003 23:44:45 GMT
NNTP-Posting-Host: 24.169.213.60
X-Complaints-To: abuse@rr.com
X-Trace: twister.nyroc.rr.com 1072395885 24.169.213.60 (Thu, 25 Dec 2003 18:44:45 EST)
NNTP-Posting-Date: Thu, 25 Dec 2003 18:44:45 EST
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21182 rec.ham-radio.swap:3573 alt.ham-radio.hf:3861 rec.radio.amateur.swap:5235 rec.radio.swap:4716

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3)shouldn't be required to

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From -3560320425744584238
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2003-12-25 18:17:51 PST
Path: archiver1.google.com!news2.google.com!fu-berlin.de!uni-berlin.de!66.73.99.70!not-for-mail
From: "Ryan, KC8PMX" <REMOVETHISkc8pmx@diamondcs.net>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-

radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
Date: Thu, 25 Dec 2003 09:20:10 -0500
Lines: 51
Message-ID: <bsg5oa$ct04c$1@ID-189073.news.uni-berlin.de>
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
NNTP-Posting-Host: 66.73.99.70
X-Trace: news.uni-berlin.de 1072405069 13533324 66.73.99.70 ([189073])
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4807.1700
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4807.1700
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21184 rec.ham-radio.swap:3574
alt.ham-radio.hf:3862 rec.radio.amateur.swap:5236 rec.radio.swap:4720

"Roland" <nospam@nospam.com> wrote in message
news:3FE51E5C.9010801@nospam.com...

> Please let me enlighten some of you "youngsters" and some rather lazy ones I might add on what us "oldtimers" consider ham radio really is. Amateur Radio is truly changing .... right. It truly started with a Mission Statement to serve the public in case of emergency. It's become a super CB'er gab medium "legally" allowing more distance and power.

And we still are capable of performing emergency communications regardless of your downplaying a hobby that you participate in like a self-hating ham. Many of us train regularly with ARES/RACES groups and are ready when called.

> 1) Back in the mid 50's we had to travel to an FCC office and pay a few bucks to take a supervised exam both written and International Morse code. Under those non VEC conditions I received 4 full college college credits for my General Class license that to this day appears on my transcript from Univ of the State of NY.

Some universities might still do that. As far as the FCC issue, thank god they did that..... less government intervention in my life is better. Only a liberal democrat would wish it go back to the old scheme of testing.

> 2) Back then ALL us hams read thoroughly the ARRL Amateur Radio Handbook, some of us built our first receiver (usually super-regenerative) others purchased our receiver but definitely we all built our first transmitter from "junk" parts or purchased a kit.

Guess what.... some of us still do today! Generalizing the whole hobby by experiences with a selected group does nothing for the growth of the hobby.

> 3) In keeping with the Amateur Radio Mission Statement us "old timer real ham" ultimate dream was and still is today to possibly someday save

> some lives of public that may be in distress by monitoring one of the
> international distress frequencies almost daily.

And you were living in a delusional world if you think you were/are that self-important but training in message handling and communications is important if that ever does happen. Personally speaking, I also monitor quite a few frequencies as well.

Get with the times man, instead of dwelling on the past.

From -6454878592258004583
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5322da8fca26e6b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,b5322da8fca26e6b,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 1109af,b5322da8fca26e6b,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,b5322da8fca26e6b,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2003-12-25 18:36:34 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!news.level3.com!news-out.visi.com!petbe.visi.com!newsfeeds-atl2!news.webusenet.com!pc01.webusenet.com!fe01.POSTED!53ab2750!not-for-mail
From: "Daniel W4ADT" <danielw4adt@alltel.net>
Newsgroups: alabama.birmingham.radio.amateur,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap
Subject: For Sale - Heil HM-10
Lines: 5
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <R8NGb.75$Vr.59@fe01>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Thu, 25 Dec 2003 21:36:33 EST
Date: Thu, 25 Dec 2003 21:33:37 -0500
Xref: archiver1.google.com alabama.birmingham.radio.amateur:835 rec.ham-radio.swap:3575 rec.radio.swap:4723

Excellent condition - includes the clear carrying case.
$90.00 shipped Call 678-758-1298 if interested
73 Daniel W4ADT

```
From 8651538537404661071
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4e0051019eb6f49d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,4e0051019eb6f49d,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 1109af,4e0051019eb6f49d,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,4e0051019eb6f49d,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1156cd,4e0051019eb6f49d,start
X-Google-Attributes: gid1156cd,public
X-Google-Thread: fddbf,4e0051019eb6f49d,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 2003-12-25 19:30:53 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!
easynews.com!easynews!c03.atl99!news.webusenet.com!pc01.webusenet.com!fe01.POSTED!
53ab2750!not-for-mail
From: "Daniel W4ADT" <danielw4adt@alltel.net>
Newsgroups: alabama.birmingham.radio.amateur,atl.forsale,rec.ham-radio,rec.ham-
radio.packet,rec.ham-radio.swap,rec.radio.swap
Subject: FS: 50 Channel Bearcat Scanner
Lines: 25
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <NXNGb.77$Vr.24@fe01>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Thu, 25 Dec 2003 22:30:53 EST
Date: Thu, 25 Dec 2003 22:27:56 -0500
Xref: archiver1.google.com alabama.birmingham.radio.amateur:836 rec.ham-
radio.swap:3576 rec.radio.swap:4725
```

Uniden Bearcat BC248CLT Scanner 50 Channel Excellent Condition

There's a world of drama out there. And with the BC248CLT scanner, you can stay on top of the news as it happens. Tune into police, fire, weather, emergency, "ham", FRS, Military, Government, and more. 29 - 54MHz, 137 - 174MHz, 406 - 512MHz. The BC248CLT scanner brings together the finest engineering and styling plus all the quality that has made Uniden a legend among scanner enthusiast. The first scanner with integrated Alarm clock.
Features:
50 Channels You can program all of your favorite frequencies.
10 Bands Covers public service, ham, federal and military land mobile.
Review Feature Full frequency LCD display shows frequencies entered into each channel plus weather frequencies. Also includes an emergency weather

alert feature.
Manual Channel Access Go directly to any channel without stepping through other channels
Channel Lockout This feature allows you to skip over channels you currently don't want to hear.
Clock/Alarm Displays time and features any button snooze

$95.00 + $10.00 shipping

Call Daniel 678-758-1298 or email danielw4adt@alltel.net

```
From -6281540148374870560
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-ArrivalTime: 2003-12-25 20:10:45 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!
easynews.com!easynews!small1.nntp.aus1.giganews.com!
border1.nntp.aus1.giganews.com!intern1.nntp.aus1.giganews.com!nntp.giganews.com!
nntp.comcast.com!news.comcast.com.POSTED!not-for-mail
NNTP-Posting-Date: Thu, 25 Dec 2003 22:10:43 -0600
From: Me <justme@home.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
Date: Thu, 25 Dec 2003 22:10:42 -0600
Message-ID: <j0dnuvgs5343o0eabi9rcq5lnern9ahot7@4ax.com>
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com>
<4ftbuv8nq6cim8ddfdlei5d77t9cpim8iv@4ax.com>
<j18muvgg9d1dm1euru24knl9o9fqqadg4b@4ax.com>
X-Newsreader: Forte Agent 1.93/32.576 English (American)
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
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Lines: 23
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X-Trace: sv3-sepPSWJny3a2LoDMO3A5fWmfawMiFJxSXHnQzJbFFQqN/
f40pX4qjhISPjnuVHG4DycyxXjHRCYWlcJ!
vR33O6P42kWNbZ8V8COSFJjYATl+YGjaG9xGeNrlHqEZYecuL+Cc/LPN/ey+BRA4s8n0o4M=
X-Complaints-To: abuse@comcast.net
X-DMCA-Complaints-To: dmca@comcast.net
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint
properly
X-Postfilter: 1.1
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21191 rec.ham-radio.swap:3577
alt.ham-radio.hf:3864 rec.radio.amateur.swap:5237 rec.radio.swap:4726

I wasn't trying to guilt trip anyone, I was only trying to get others
to look at themselves instead of knee jerking and complaining about
the lack of people who seem to be interested in cw. I myself have not
taught anyone in the last 3 years but I am just a no code ham trying
to learn myself. Thinking about an old saying, if you wanna change
the world, start with the man in the mirror.   Cheers, 73
Billy ke4pjr

On Thu, 25 Dec 2003 17:38:00 GMT, Trippy-Dippy <trippy@hotmail.net>
wrote:

>On Sun, 21 Dec 2003 13:39:13 -0600, Me <justme@home.com> wrote:
>
>>While I do tend to agree that cw is mostly an older form of
>>communications and agree with Roland (btw, well said Roland) I would
>>like to ask the "old timers" as to how many of you have recently,
>>within the last 3 years, have actually taken someone aside and offered
>>to try and teach them cw???
>
>Before you start guilt-tripping others, let us ask you how many times
>you have offered to teach anyone ANYTHING about ham radio in the last
>3 years?

From -2566208572731269368
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public

X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2003-12-26 08:54:09 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!news-out.visi.com!petbe.visi.com!newsfeeds-atl2!
news.webusenet.com!elnk-atl-nf1!newsfeed.earthlink.net!cyclone.tampabay.rr.com!
news-post.tampabay.rr.com!twister.tampabay.rr.com.POSTED!53ab2750!not-for-mail
From: Albert Dente <sabbatai_zvi@NOSPAMhotmail.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
Reply-To: sabbatai_zvi@NOSPAMhotmail.com
Message-ID: <kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com>
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
<9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net>
X-Newsreader: Forte Agent 1.91/32.564
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 96
Date: Fri, 26 Dec 2003 16:54:08 GMT
NNTP-Posting-Host: 65.33.64.104
X-Complaints-To: abuse@rr.com
X-Trace: twister.tampabay.rr.com 1072457648 65.33.64.104 (Fri, 26 Dec 2003 11:54:08 EST)
NNTP-Posting-Date: Fri, 26 Dec 2003 11:54:08 EST
Organization: RoadRunner - Central Florida
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21198 rec.ham-radio.swap:3581
alt.ham-radio.hf:3865 rec.radio.amateur.swap:5238 rec.radio.swap:4741

On Thu, 25 Dec 2003 19:57:57 GMT, "Dwight Stewart"
<stewartx@NOearthlinkSPAM.net> erroneously
misinterpreted things this way:

>"Albert Dente" wrote:
>>
>> (snip) You should stay with the internet
>> and FORGET amateur radio.
>>
>> It's far too "dull and old fashioned" for
>> a trendy "modern" guy like you!
>>
>> Stay off the air and we will ALL be
>> happier, including you! (snip)
>
>
> Lets see what the FCC has to say about that, Albert. In the Report & Order
>following the last round of restructuring, the FCC said;
>
> "We are persuaded that because the

> amateur service is fundamentally a
> technical service, the emphasis on
> Morse code proficiency as a licensing
> requirement does not comport with

[snip]

> Clearly, Morse code proficiency as a licensing requirement is out of place
>in Amateur Radio today,

Iff you read afgain at the top I did not address that issue.

You had been going on about the technical frontiers and what is and is
not "with it" today - FOR YOU (unlike the many thousands of CW ops)

My remarks and your response are almost entirely unrelated.
You have difficulty understanding logic and plain English, aparently.

I merely suggested that if you don't like old fashioned things like HF
and CW that you stay on the internet where you will be happier.

It was about YOU not the FCC.

>Albert. As is your attempts to urge anyone who
>opposes code proficiency as a licensing requirement to "forget" about
>Amateur Radio.

Not anyone - YOU!

You obviously don't LIKE muych about amateur radio and are far more
comfortable grousing about it on Usenet. So fine! Have at it!

>The radio world is moving forward.

No shit!

>Either we move forward
>with it or we become irrelevant.

Again you are using totally faulty logic.
I am involved with digital communications using the latest
techniques.
And that is NOT via an old-fashioned cable or twisted pair
like Usenet has to rely on (grin!)

>If we choose the latter path, we will no
>longer be worthy of the massive frequencies and operating privileges we
>enjoy - no irrelevant radio service is.

Well you are entitled to your opinoin, no matter how confused you try
to get yourself! Enjoy the new frontier. I will enjoy BOTH the
traditional AND the new.

Attacking CW is absurd, and as was pointed out in another
thread, the nastiness always starts with the anti-CW mob.

I don't give that much of a rat's arse about whether the testing
gets stopped, because I don't think it will be the death nell of
amateur radio any more than hundreds of other change sthat have
aoccurred in the past 25 years by the FCC and by hams.

However, I DO think that what bodes ill for amateur radio is
the ATTITUDE and BEHAVIOR of aggressive, divisive people!

My comments were for you personally, and not about the
proposed changes for VEC testing etc.

Again, my suggestion for a guy who dislikes CW and HF is
this, Dwight:
You should probably stay with the internet and FORGET
amateur radio.

It's far too "dull and old fashioned" for a trendy "modern" guy
like you!

From 5489879877773507895
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-ArrivalTime: 2003-12-26 09:00:03 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!easynews.com!easynews!news3.optonline.net!cyclone.rdc-nyc.rr.com!news-east.rr.com!news.rr.com!cyclone.southeast.rr.com!cyclone.tampabay.rr.com!news-post.tampabay.rr.com!twister.tampabay.rr.com.POSTED!53ab2750!not-for-mail
From: Albert Dente <sabbatai_zvi@NOSPAMhotmail.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
Reply-To: sabbatai_zvi@NOSPAMhotmail.com
Message-ID: <2vpouv023kmsgvn9lkn7uaigcim87rabh7@4ax.com>

```
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com>
<4ftbuv8nq6cim8ddfdlei5d77t9cpim8iv@4ax.com>
<j18muvgg9d1dm1euru24knl9o9fqqadg4b@4ax.com>
<j0dnuvgs5343o0eabi9rcq5lnern9ahot7@4ax.com>
X-Newsreader: Forte Agent 1.91/32.564
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 19
Date: Fri, 26 Dec 2003 16:55:53 GMT
NNTP-Posting-Host: 65.33.64.104
X-Complaints-To: abuse@rr.com
X-Trace: twister.tampabay.rr.com 1072457753 65.33.64.104 (Fri, 26 Dec 2003
11:55:53 EST)
NNTP-Posting-Date: Fri, 26 Dec 2003 11:55:53 EST
Organization: RoadRunner - Central Florida
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21201 rec.ham-radio.swap:3583
alt.ham-radio.hf:3866 rec.radio.amateur.swap:5239 rec.radio.swap:4743

On Thu, 25 Dec 2003 22:10:42 -0600, Me <justme@home.com> wrote:

>I wasn't trying to guilt trip anyone, I was only trying to get others
>to look at themselves instead of knee jerking and complaining about
>the lack of people who seem to be interested in cw. I myself have not
>taught anyone in the last 3 years but I am just a no code ham trying
>to learn myself.  Thinking about an old saying, if you wanna change
>the world, start with the man in the mirror.           Cheers, 73
>                                      Billy ke4pjr

Thanks for the honest response Billy, and I truly wish you success in
mastering the code.  You will NEVER regret it, even if they no longer
require it at soime point.

It's one of the most pleasant and ralzxing modes you can
ever use!

73



From -1702427006716827887
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,6c061723bc057e42,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,6c061723bc057e42,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f6d34,6c061723bc057e42,start
X-Google-Attributes: gidf6d34,public
X-Google-Thread: 105955,6c061723bc057e42,start
X-Google-Attributes: gid105955,public
X-Google-Thread: fb13e,6c061723bc057e42,start
```

```
X-Google-Attributes: gidfb13e,public
X-Google-Thread: 10ed5f,6c061723bc057e42,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f76e2,6c061723bc057e42,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114a57,6c061723bc057e42,start
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2003-12-26 12:49:24 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!news-out.visi.com!petbe.visi.com!green.octanews.net!
news.octanews.net!cox.net!news-xfer.cox.net!p01!fed1read01.POSTED!not-for-mail
From: "Richard W. Haviland" <rwhaviland@hotmail.com>
Newsgroups: alt.ham-radio,alt.ham-radio.hf,alt.ham-radio.marketplace,att.ham-
radio,man.ham-radio,phx.general,rec.ham-radio,rec.ham-radio.swap
Subject: FS: Yaesu FT-890AT HF Tranciever
Lines: 10
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <l91Hb.41672$m83.4690@fed1read01>
Date: Fri, 26 Dec 2003 13:49:39 -0700
NNTP-Posting-Host: 68.2.192.251
X-Complaints-To: abuse@cox.net
X-Trace: fed1read01 1072471761 68.2.192.251 (Fri, 26 Dec 2003 15:49:21 EST)
NNTP-Posting-Date: Fri, 26 Dec 2003 15:49:21 EST
Organization: Cox Communications
Xref: archiver1.google.com alt.ham-radio.hf:3868 alt.ham-radio.marketplace:15560
phx.general:2617 rec.ham-radio.swap:3584

YAESU FT-890AT HF transceiver in very good, 100% operational
condition. Has built-in Automatic Antenna Tuner, Autokeyer, CW filter, and
has been
opened up to allow MARS operation. Also included are original operations
manual, schematics, original handmike, mobile braket, and complete service
manual.
$450.00  plus shipping.                                    Call 623
764-8213




From 2527027272349495401
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20ead2b64dc3a563,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f6d34,20ead2b64dc3a563,start
X-Google-Attributes: gidf6d34,public
X-Google-Thread: f7673,20ead2b64dc3a563,start
X-Google-Attributes: gidf7673,public
X-Google-Thread: f76e2,20ead2b64dc3a563,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2003-12-26 13:09:07 PST
```

Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!petbe.visi.com!phobos.visi.com!news-out.visi.com!
green.octanews.net!news.octanews.net!cox.net!news-xfer.cox.net!p01!
fed1read01.POSTED!not-for-mail
From: "Richard W. Haviland" <rwhaviland@hotmail.com>
Newsgroups: phx.buy-sell-trade,phx.general,rec.ham-radio,rec.ham-radio.swap
Subject: FS: YAESU FT-890AT HF TRANSCEIVER
Lines: 7
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <Sr1Hb.41706$m83.17529@fed1read01>
Date: Fri, 26 Dec 2003 14:09:25 -0700
NNTP-Posting-Host: 68.2.192.251
X-Complaints-To: abuse@cox.net
X-Trace: fed1read01 1072472946 68.2.192.251 (Fri, 26 Dec 2003 16:09:06 EST)
NNTP-Posting-Date: Fri, 26 Dec 2003 16:09:06 EST
Organization: Cox Communications
Xref: archiver1.google.com phx.buy-sell-trade:5394 phx.general:2618 rec.ham-radio.swap:3585

YAESU FT-890AT ham radio transceiver in very good, 100% operational
condition. Has built-in Automatic Antenna Tuner, Autokeyer and has been
opened up to allow MARS operation. Also included are original operations
manual, schematics, original handmike, and complete service manual.
$475.00 plus shipping.   Call 623 764-8213

From 797168742162666177
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2003-12-26 15:17:50 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!
easynews.com!easynews!bigfeed2.bellsouth.net!news.bellsouth.net!elnk-atl-nf1!
newsfeed.earthlink.net!stamper.news.atl.earthlink.net!
newsread3.news.atl.earthlink.net.POSTED!a9d97033!not-for-mail

From: "Dwight Stewart" <stewartx@NOearthlinkSPAM.net>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
<9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net>
<kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com>
Subject: Re: Bye Bye CW
Lines: 101
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <xk3Hb.10655$IM3.2803@newsread3.news.atl.earthlink.net>
Date: Fri, 26 Dec 2003 23:17:49 GMT
NNTP-Posting-Host: 63.176.16.50
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread3.news.atl.earthlink.net 1072480669 63.176.16.50 (Fri, 26 Dec 2003 15:17:49 PST)
NNTP-Posting-Date: Fri, 26 Dec 2003 15:17:49 PST
Organization: EarthLink Inc. -- http://www.EarthLink.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21211 rec.ham-radio.swap:3586 alt.ham-radio.hf:3870 rec.radio.amateur.swap:5240 rec.radio.swap:4754

"Albert Dente" wrote:
>
> If you read again at the top I did not
> address that issue.
>
> You had been going on about the
> technical frontiers and what is and is
> not "with it" today - FOR YOU
> (unlike the many thousands of CW
> ops)
>
> My remarks and your response are
> almost entirely unrelated. You have
> difficulty understanding logic and
> plain English, aparently.
>
> I merely suggested that if you don't
> like old fashioned things like HF and
> CW that you stay on the internet
> where you will be happier.
>
> It was about YOU not the FCC.

Good grief, Albert. You can't even figure out which person you're talking to. I didn't say any of those things and you didn't say any of those things to me. That was a discussion you were having with Clint, not me.

I, on the other hand, addressed your opinion that those more interested in modern electronics and radio than CW (what you called "trendy modern guys") should "stay with the internet and forget amateur radio." And I did so by pointing out what the FCC said about the need to reduce the emphasis on telegraphy proficiency as a licensing requirement to "attract technically inclined persons, particularly the youth of our country, and encourage them to learn and to prepare themselves in the areas where the United States needs expertise." Clearly, even according to the FCC, the United States does not need expertise in CW today.

> Again you are using totally faulty
> logic.

I guess it would appear faulty to a person who can't follow along well enough to figure out which person he or she is talking to.

> Well you are entitled to your opinoin,
> no   (snip)

It's not just my opinion, Albert. It's also the FCC's opinion - you know, the federal agency that regulates Amateur Radio.

> Attacking CW is absurd, and as was
> pointed out in another thread, the
> nastiness always starts with the
> anti-CW mob.

I've said nothing nasty to you, Albert. The only nastiness, in the discussion between you and me, is coming from you..

> I don't give that much of a rat's arse about
> whether the testing gets stopped,   (snip)

Since the use of CW itself is not threatened in any way, the only issue at hand is the telegraphy proficiency licensing requirement (the code test).

> However, I DO think that what bodes
> ill for amateur radio is the ATTITUDE
> and BEHAVIOR of aggressive, divisive

> people! (snip)

The only bad attitude, bad behavior, or divisive behavior, here is your own. You're telling people who don't like CW to forget Amateur Radio. You've used more foul language in one message than I've used in these newsgroups in perhaps the last ten years.

> Again, my suggestion for a guy who dislikes
> CW and HF is this, Dwight: You should
> probably stay with the internet and FORGET
> amateur radio.

And my suggestion for someone obsessed with CW enough to urge others with different views to stay away would be to get out of Amateur Radio - attitudes like that don't "comport with the basis and purpose" of this radio service.

Dwight Stewart   (W5NET)

http://www.qsl.net/w5net/

From 4462932629389704175
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-ArrivalTime: 2003-12-27 06:32:36 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!news.level3.com!news-out.visi.com!petbe.visi.com!in.100proofnews.com!in.100proofnews.com!news-west.rr.com!news.rr.com!cyclone.tampabay.rr.com!news-post.tampabay.rr.com!twister.tampabay.rr.com.POSTED!53ab2750!not-for-mail
From: 6GW8 Xmtr <sabbatai_zvi@NOSPAMhotmail.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
Reply-To: sabbatai_zvi@NOSPAMhotmail.com

Message-ID: <au5ruv4vnfud5d8vv7t9q60va9o22v65jr@4ax.com>
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<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
<9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net>
<kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com>
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X-Newsreader: Forte Agent 1.91/32.564
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 112
Date: Sat, 27 Dec 2003 14:32:35 GMT
NNTP-Posting-Host: 65.33.64.104
X-Complaints-To: abuse@rr.com
X-Trace: twister.tampabay.rr.com 1072535555 65.33.64.104 (Sat, 27 Dec 2003 09:32:35 EST)
NNTP-Posting-Date: Sat, 27 Dec 2003 09:32:35 EST
Organization: RoadRunner - Central Florida
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21228 rec.ham-radio.swap:3592 alt.ham-radio.hf:3873 rec.radio.amateur.swap:5241 rec.radio.swap:4779

The response was addressed to the person who wrote it, Clint.

If that wasn't cl;ear I am sorry, but I think we can all figure out who the writer was even if the attribution got screwed up.

Sorry you are still in shock, OM!

On Fri, 26 Dec 2003 23:17:49 GMT, "Dwight Stewart" <stewartx@NOearthlinkSPAM.net> wrote:

>"Albert Dente" wrote:
>>
>> If you read again at the top I did not
>> address that issue.
>>
>> You had been going on about the
>> technical frontiers and what is and is
>> not "with it" today - FOR YOU
>> (unlike the many thousands of CW
>> ops)
>>
>> My remarks and your response are
>> almost entirely unrelated. You have
>> difficulty understanding logic and
>> plain English, aparently.
>>
>> I merely suggested that if you don't
>> like old fashioned things like HF and
>> CW that you stay on the internet

>> where you will be happier.
>>
>> It was about YOU not the FCC.
>
>
> Good grief, Albert. You can't even figure out which person you're talking
>to. I didn't say any of those things and you didn't say any of those things
>to me. That was a discussion you were having with Clint, not me.
>
> I, on the other hand, addressed your opinion that those more interested in
>modern electronics and radio than CW (what you called "trendy modern guys")
>should "stay with the internet and forget amateur radio." And I did so by
>pointing out what the FCC said about the need to reduce the emphasis on
>telegraphy proficiency as a licensing requirement to "attract technically
>inclined persons, particularly the youth of our country, and encourage them
>to learn and to prepare themselves in the areas where the United States
>needs expertise." Clearly, even according to the FCC, the United States does
>not need expertise in CW today.
>
>
>> Again you are using totally faulty
>> logic.
>
>
> I guess it would appear faulty to a person who can't follow along well
>enough to figure out which person he or she is talking to.
>
>
>> Well you are entitled to your opinoin,
>> no   (snip)
>
>
> It's not just my opinion, Albert. It's also the FCC's opinion - you know,
>the federal agency that regulates Amateur Radio.
>
>
>> Attacking CW is absurd, and as was
>> pointed out in another thread, the
>> nastiness always starts with the
>> anti-CW mob.
>
>
> I've said nothing nasty to you, Albert. The only nastiness, in the
>discussion between you and me, is coming from you..
>
>
>> I don't give that much of a rat's arse about
>> whether the testing gets stopped,   (snip)
>
>
> Since the use of CW itself is not threatened in any way, the only issue at
>hand is the telegraphy proficiency licensing requirement (the code test).
>

```
>
>> However, I DO think that what bodes
>> ill for amateur radio is the ATTITUDE
>> and BEHAVIOR of aggressive, divisive
>> people!  (snip)
>
>
>  The only bad attitude, bad behavior, or divisive behavior, here is your
>own. You're telling people who don't like CW to forget Amateur Radio. You've
>used more foul language in one message than I've used in these newsgroups in
>perhaps the last ten years.
>
>
>> Again, my suggestion for a guy who dislikes
>> CW and HF is this, Dwight: You should
>> probably stay with the internet and FORGET
>> amateur radio.
>
>
>  And my suggestion for someone obsessed with CW enough to urge others with
>different views to stay away would be to get out of Amateur Radio -
>attitudes like that don't "comport with the basis and purpose" of this radio
>service.
>
>
>Dwight Stewart   (W5NET)
>
>http://www.qsl.net/w5net/



From 2905702626836496542
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
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X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2003-12-27 06:33:53 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!news-out.visi.com!petbe.visi.com!newsfeeds-atl2!
news.webusenet.com!elnk-atl-nf1!newsfeed.earthlink.net!cyclone.tampabay.rr.com!
news-post.tampabay.rr.com!twister.tampabay.rr.com.POSTED!53ab2750!not-for-mail
From: 6GW8 Xmtr <sabbatai_zvi@NOSPAMhotmail.com>
```

```
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
Reply-To: sabbatai_zvi@NOSPAMhotmail.com
Message-ID: <m06ruv8pjv0evp1ggkhp2cj5qqcjmcscfc@4ax.com>
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
<9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net>
<kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com>
<xk3Hb.10655$IM3.2803@newsread3.news.atl.earthlink.net>
X-Newsreader: Forte Agent 1.91/32.564
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 18
Date: Sat, 27 Dec 2003 14:33:53 GMT
NNTP-Posting-Host: 65.33.64.104
X-Complaints-To: abuse@rr.com
X-Trace: twister.tampabay.rr.com 1072535633 65.33.64.104 (Sat, 27 Dec 2003
09:33:53 EST)
NNTP-Posting-Date: Sat, 27 Dec 2003 09:33:53 EST
Organization: RoadRunner - Central Florida
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21229 rec.ham-radio.swap:3593
alt.ham-radio.hf:3874 rec.radio.amateur.swap:5242 rec.radio.swap:4781

On Fri, 26 Dec 2003 23:17:49 GMT, "Dwight Stewart"
<stewartx@NOearthlinkSPAM.net> wrote:

>  I, on the other hand, addressed your opinion that those more interested in
>modern electronics and radio than CW (what you called "trendy modern guys")
>should "stay with the internet and forget amateur radio." And I did so by
>pointing out what the FCC said about the need to reduce the emphasis on
>telegraphy proficiency as a licensing requirement to "attract technically
>inclined persons, particularly the youth of our country, and encourage them
>to learn and to prepare themselves in the areas where the United States
>needs expertise." Clearly, even according to the FCC, the United States does
>not need expertise in CW today.

the FCC is not tasked with deciding what we NEED. Rather they are
tasked with regulating what we DO with amateur radio.

Your statement is totally dishonest and is not worthy of discussion.



From 1759257124851648843
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
```

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X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2003-12-27 06:35:48 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!
easynews.com!easynews!bigfeed2.bellsouth.net!news.bellsouth.net!elnk-atl-nf1!
newsfeed.earthlink.net!cyclone.tampabay.rr.com!news-post.tampabay.rr.com!
twister.tampabay.rr.com.POSTED!53ab2750!not-for-mail
From: 6GW8 Xmtr <sabbatai_zvi@NOSPAMhotmail.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
Reply-To: sabbatai_zvi@NOSPAMhotmail.com
Message-ID: <356ruv4o756phsuqdljjl3g128ihmqg17o@4ax.com>
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
<9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net>
<kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com>
<xk3Hb.10655$IM3.2803@newsread3.news.atl.earthlink.net>
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MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 14
Date: Sat, 27 Dec 2003 14:35:47 GMT
NNTP-Posting-Host: 65.33.64.104
X-Complaints-To: abuse@rr.com
X-Trace: twister.tampabay.rr.com 1072535747 65.33.64.104 (Sat, 27 Dec 2003
09:35:47 EST)
NNTP-Posting-Date: Sat, 27 Dec 2003 09:35:47 EST
Organization: RoadRunner - Central Florida
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21230 rec.ham-radio.swap:3594
alt.ham-radio.hf:3875 rec.radio.amateur.swap:5243 rec.radio.swap:4782
```

On Fri, 26 Dec 2003 23:17:49 GMT, "Dwight Stewart"
<stewartx@NOearthlinkSPAM.net> wrote:

> And my suggestion for someone obsessed with CW enough to urge others with
>different views to stay away would be to get out of Amateur Radio -
>attitudes like that don't "comport with the basis and purpose" of this radio
>service.

Twist twist twist....

You would make Chubby Checker proud!!

You are SO adept at twisting what others say.

From 5902812813129181740
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2003-12-27 06:41:13 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!easynews.com!easynews!bigfeed2.bellsouth.net!news.bellsouth.net!elnk-atl-nf1!newsfeed.earthlink.net!cyclone.tampabay.rr.com!news-post.tampabay.rr.com!twister.tampabay.rr.com.POSTED!53ab2750!not-for-mail
From: FT243 <FT243@netscape.net>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW?
Reply-To: FT243@netscape.net
Message-ID: <na6ruv4omv57ojan93i2n3oaqdr8skr59r@4ax.com>
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com> <xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com> <vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com> <tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com> <9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net> <kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com> <xk3Hb.10655$IM3.2803@newsread3.news.atl.earthlink.net>
X-Newsreader: Forte Agent 1.91/32.564
MIME-Version: 1.0
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Lines: 28
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NNTP-Posting-Host: 65.33.64.104
X-Complaints-To: abuse@rr.com
X-Trace: twister.tampabay.rr.com 1072536072 65.33.64.104 (Sat, 27 Dec 2003 09:41:12 EST)
NNTP-Posting-Date: Sat, 27 Dec 2003 09:41:12 EST

Organization: RoadRunner - Central Florida
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21231 rec.ham-radio.swap:3595
alt.ham-radio.hf:3876 rec.radio.amateur.swap:5244 rec.radio.swap:4785

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>pointing out what the FCC said about the need to reduce the emphasis on
>telegraphy proficiency as a licensing requirement to "attract technically
>inclined persons, particularly the youth of our country, and encourage them
>to learn and to prepare themselves in the areas where the United States
>needs expertise." Clearly, even according to the FCC, the United States does
>not need expertise in CW today.

For the confused, grumbling babies like Dwight, who think that
CW is dead, here is great evidence to the contrary:

TEENAGERS WHO LOVE CW:
http://home.alltel.net/johnshan/cw_ss_teens.html

http://home.alltel.net/johnshan/links_ss_cwin.html

YMMV

Try CW - it might just lower your blood pressure about 90%
there Dwight, old boy!

LOL!

From 5684106410356805793
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: 114a57,d49cf69ed154f702
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X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2003-12-27 06:52:30 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!news-out.visi.com!petbe.visi.com!news1.optus.net.au!optus!

news.mel.connect.com.au!news.netspace.net.au!not-for-mail
From: "Matt" <pissoff@spammers.suck.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Bye Bye CW
Date: Sun, 28 Dec 2003 01:50:00 +1100
Organization: Netspace Internet
Lines: 139
Message-ID: <bsk6bb$n1m$3@otis.netspace.net.au>
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
<9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net>
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NNTP-Posting-Host: dialup-a2-165.melbourne.netspace.net.au
X-Trace: otis.netspace.net.au 1072536748 23606 203.113.248.165 (27 Dec 2003 14:52:28 GMT)
X-Complaints-To: usenet@otis.netspace.net.au
NNTP-Posting-Date: Sat, 27 Dec 2003 14:52:28 +0000 (UTC)
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MIMEOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21234 rec.ham-radio.swap:3596 alt.ham-radio.hf:3877 rec.radio.amateur.swap:5245 rec.radio.swap:4786

Ahhh, so if you are not a CW fanatic, then you don't like amateur radio. Such a negative attitude as yours has been part of the reason why amateur radio has been in decline. Here in VK, recent meetings between the government communications body (ACA) and amateurs has seen overwhelming numbers in favour fo the removal of CW for the access to the HF amateur frequencies. In the meeting that I attended, only one amateur was in favour of the retention of CW as a mandatory access requirement for HF. Of all of the amateurs at the meeting, only one person in favour of the retention! Surprisingly, even the unrestricted operators (equivalent to extra calls) were all (bar the one anti) in favour of removing CW as an uneccesary barrier to HF access. As a result come 01 Jan 04, CW is not required in VK for access to HF. We still support it as a historical part of amateur radio, and indeed hope that it doesn't die off as a mode that amateurs use. Funnily enough, now it is not required (well in about 4 days anyway), the concensus is that it will probably become a more popular mode of comms - but in the end, that is what it is - merely one of the many modes of comms that is available to amateur operators. Long may it prosper, but not as an uneccesary barrier to HF access.

The bitterness does not start with just the anti CW mob - it is both their fault and those of the anti change establishment. To say that the anti CW individuals should stay on the internet is at best shallow, and at worst stupid - sorry, but I say it as I see it. If it hurst, then there may well be an element of truth in it. Have a think about it.

Never know your bad luck, you may well hear me on HF come 0100 (LIMA) on 01 Jan 2004 (that would be about 311300Z Dec 03 where the ruling in VK

changes all over the country). Hope you welcome all of us newcomers to
HF - many of us have been on HF for years on military and commercial HF
freqs, so are not exactly newcomers to the band in general. Hope to
speak with you then.

Matt

Albert Dente <sabbatai_zvi@NOSPAMhotmail.com> wrote in message
news:kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com...
> On Thu, 25 Dec 2003 19:57:57 GMT, "Dwight Stewart"
> <stewartx@NOearthlinkSPAM.net> erroneously
> misinterpreted things this way:
>
> >"Albert Dente" wrote:
> >>
> >> (snip) You should stay with the internet
> >> and FORGET amateur radio.
> >>
> >> It's far too "dull and old fashioned" for
> >> a trendy "modern" guy like you!
> >>
> >> Stay off the air and we will ALL be
> >> happier, including you!   (snip)
> >
> >
> > Lets see what the FCC has to say about that, Albert. In the Report
& Order
> >following the last round of restructuring, the FCC said;
> >
> >   "We are persuaded that because the
> >   amateur service is fundamentally a
> >   technical service, the emphasis on
> >   Morse code proficiency as a licensing
> >   requirement does not comport with
>
> [snip]
>
> > Clearly, Morse code proficiency as a licensing requirement is out
of place
> >in Amateur Radio today,
>
> Iff you read afgain at the top I did not address that issue.
>
> You had been going on about the technical frontiers and what is and is
> not "with it" today - FOR YOU (unlike the many thousands of CW ops)
>
> My remarks and your response are almost entirely unrelated.
> You have difficulty understanding logic and plain English, aparently.
>
> I merely suggested that if you don't like old fashioned things like HF

> and CW that you stay on the internet where you will be happier.
>
> It was about YOU not the FCC.
>
> >Albert. As is your attempts to urge anyone who
> >opposes code proficiency as a licensing requirement to "forget" about
> >Amateur Radio.
>
> Not anyone - YOU!
>
> You obviously don't LIKE muych about amateur radio and are far more
> comfortable grousing about it on Usenet. So fine! Have at it!
>
> >The radio world is moving forward.
>
> No shit!
>
> >Either we move forward
> >with it or we become irrelevant.
>
> Again you are using totally faulty logic.
> I am involved with digital communications using the latest
> techniques.
> And that is NOT via an old-fashioned cable or twisted pair
> like Usenet has to rely on (grin!)
>
> >If we choose the latter path, we will no
> >longer be worthy of the massive frequencies and operating privileges
we
> >enjoy - no irrelevant radio service is.
>
> Well you are entitled to your opinoin, no matter how confused you try
> to get yourself! Enjoy the new frontier. I will enjoy BOTH the
> traditional AND the new.
>
> Attacking CW is absurd, and as was pointed out in another
> thread, the nastiness always starts with the anti-CW mob.
>
> I don't give that much of a rat's arse about whether the testing
> gets stopped, because I don't think it will be the death nell of
> amateur radio any more than hundreds of other change sthat have
> aoccurred in the past 25 years by the FCC and by hams.
>
> However, I DO think that what bodes ill for amateur radio is
> the ATTITUDE and BEHAVIOR of aggressive, divisive people!
>
> My comments were for you personally, and not about the
> proposed changes for VEC testing etc.
>
> Again, my suggestion for a guy who dislikes CW and HF is
> this, Dwight:
> You should probably stay with the internet and FORGET
> amateur radio.

```
>
>  It's far too "dull and old fashioned" for  a trendy "modern" guy
> like you!
>
>
```

```
From -5600829101329304236
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-ArrivalTime: 2003-12-27 09:06:15 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!
easynews.com!easynews!elnk-pas-nf1!newsfeed.earthlink.net!
stamper.news.pas.earthlink.net!stamper.news.atl.earthlink.net!
newsread1.news.atl.earthlink.net.POSTED!a9d97033!not-for-mail
From: "Dwight Stewart" <stewartx@NOearthlinkSPAM.net>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
<9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net>
<kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com>
<xk3Hb.10655$IM3.2803@newsread3.news.atl.earthlink.net>
<au5ruv4vnfud5d8vv7t9q60va9o22v65jr@4ax.com>
Subject: Re: Bye Bye CW
Lines: 138
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <a_iHb.2720$d4.1224@newsread1.news.atl.earthlink.net>
```

Date: Sat, 27 Dec 2003 17:06:14 GMT
NNTP-Posting-Host: 63.184.233.89
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread1.news.atl.earthlink.net 1072544774 63.184.233.89 (Sat, 27 Dec 2003 09:06:14 PST)
NNTP-Posting-Date: Sat, 27 Dec 2003 09:06:14 PST
Organization: EarthLink Inc. -- http://www.EarthLink.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21237 rec.ham-radio.swap:3599 alt.ham-radio.hf:3879 rec.radio.amateur.swap:5247 rec.radio.swap:4793

"6GW8 Xmtr" wrote:
> The response was addressed to the
> person who wrote it, Clint.

I wrote the words in the message Albert replied to and Albert properly attributed those words to me. However, Albert started out that message by blaming me for the things Clint had said in earlier messages.

Dwight Stewart (W5NET)

http://www.qsl.net/w5net/

> If that wasn't cl;ear I am sorry, but I think we can all figure out
> who the writer was even if the attribution got screwed up.
>
> Sorry you are still in shock, OM!
>
> "Dwight Stewart" wrote:
>
> >"Albert Dente" wrote:
> >>
> >> If you read again at the top I did not
> >> address that issue.
> >>
> >> You had been going on about the
> >> technical frontiers and what is and is
> >> not "with it" today - FOR YOU
> >> (unlike the many thousands of CW
> >> ops)
> >>
> >> My remarks and your response are
> >> almost entirely unrelated. You have
> >> difficulty understanding logic and
> >> plain English, aparently.
> >>
> >> I merely suggested that if you don't
> >> like old fashioned things like HF and
> >> CW that you stay on the internet

> >> where you will be happier.
> >>
> >> It was about YOU not the FCC.
> >
> >
> > Good grief, Albert. You can't even figure out which person you're
talking
> >to. I didn't say any of those things and you didn't say any of those
things
> >to me. That was a discussion you were having with Clint, not me.
> >
> > I, on the other hand, addressed your opinion that those more interested
in
> >modern electronics and radio than CW (what you called "trendy modern
guys")
> >should "stay with the internet and forget amateur radio." And I did so by
> >pointing out what the FCC said about the need to reduce the emphasis on
> >telegraphy proficiency as a licensing requirement to "attract technically
> >inclined persons, particularly the youth of our country, and encourage
them
> >to learn and to prepare themselves in the areas where the United States
> >needs expertise." Clearly, even according to the FCC, the United States
does
> >not need expertise in CW today.
> >
> >
> >> Again you are using totally faulty
> >> logic.
> >
> >
> > I guess it would appear faulty to a person who can't follow along well
> >enough to figure out which person he or she is talking to.
> >
> >
> >> Well you are entitled to your opinoin,
> >> no   (snip)
> >
> >
> > It's not just my opinion, Albert. It's also the FCC's opinion - you
know,
> >the federal agency that regulates Amateur Radio.
> >
> >
> >> Attacking CW is absurd, and as was
> >> pointed out in another thread, the
> >> nastiness always starts with the
> >> anti-CW mob.
> >
> >
> > I've said nothing nasty to you, Albert. The only nastiness, in the
> >discussion between you and me, is coming from you..
> >
> >

```
> >> I don't give that much of a rat's arse about
> >> whether the testing gets stopped,   (snip)
> >
> >
> >  Since the use of CW itself is not threatened in any way, the only issue
at
> >hand is the telegraphy proficiency licensing requirement (the code test).
> >
> >
> >> However, I DO think that what bodes
> >> ill for amateur radio is the ATTITUDE
> >> and BEHAVIOR of aggressive, divisive
> >> people!  (snip)
> >
> >
> >  The only bad attitude, bad behavior, or divisive behavior, here is your
> >own. You're telling people who don't like CW to forget Amateur Radio.
You've
> >used more foul language in one message than I've used in these newsgroups
in
> >perhaps the last ten years.
> >
> >
> >> Again, my suggestion for a guy who dislikes
> >> CW and HF is this, Dwight: You should
> >> probably stay with the internet and FORGET
> >> amateur radio.
> >
> >
> >  And my suggestion for someone obsessed with CW enough to urge others
with
> >different views to stay away would be to get out of Amateur Radio -
> >attitudes like that don't "comport with the basis and purpose" of this
radio
> >service.
> >
> >
> >Dwight Stewart   (W5NET)
> >
> >http://www.qsl.net/w5net/
>



From 7972249184322549045
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: f95bc,d49cf69ed154f702
```

```
X-Google-Attributes: gidf95bc,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2003-12-27 09:26:29 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!
easynews.com!easynews!elnk-pas-nf1!newsfeed.earthlink.net!
stamper.news.pas.earthlink.net!stamper.news.atl.earthlink.net!
newsread1.news.atl.earthlink.net.POSTED!a9d97033!not-for-mail
From: "Dwight Stewart" <stewartx@NOearthlinkSPAM.net>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
<9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net>
<kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com>
<xk3Hb.10655$IM3.2803@newsread3.news.atl.earthlink.net>
<m06ruv8pjv0evp1ggkhp2cj5qqcjmcscfc@4ax.com>
Subject: Re: Bye Bye CW
Lines: 30
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <9hjHb.2733$d4.1448@newsread1.news.atl.earthlink.net>
Date: Sat, 27 Dec 2003 17:26:29 GMT
NNTP-Posting-Host: 63.184.233.89
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread1.news.atl.earthlink.net 1072545989 63.184.233.89 (Sat, 27 Dec
2003 09:26:29 PST)
NNTP-Posting-Date: Sat, 27 Dec 2003 09:26:29 PST
Organization: EarthLink Inc. -- http://www.EarthLink.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21238 rec.ham-radio.swap:3600
alt.ham-radio.hf:3880 rec.radio.amateur.swap:5248 rec.radio.swap:4795
```

"6GW8 Xmtr" wrote:

> the FCC is not tasked with deciding what we
> NEED. Rather they are tasked with regulating
> what we DO with amateur radio.

No, the FCC is tasked with deciding what the basis and purpose of the

Amateur Radio Service is and what we need, from a regulatory perspective, to be able to meet that basis and purpose. The FCC clearly addressed that when they said "the emphasis on Morse code proficiency as a licensing requirement does not comport with the basis and purpose of the service."

> Your statement is totally dishonest and is not
> worthy of discussion.

I've simply quoted, and agreed with, what the FCC has said. If you think that is dishonest, perhaps you should take it up with them. However, I don't think it is dishonest for the FCC to say that "...no communication system has been designed in many years that depends on hand-keyed telegraphy..." And I don't think it is dishonest to say that alone is justification to eliminate Morse code proficiency as a licensing requirement.

Dwight Stewart   (W5NET)

http://www.qsl.net/w5net/

```
From 1876406803751201853
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2003-12-27 09:34:12 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!crtntx1-snh1.gtei.net!news.gtei.net!newsfeed1.easynews.com!
easynews.com!easynews!elnk-pas-nf1!newsfeed.earthlink.net!
stamper.news.pas.earthlink.net!stamper.news.atl.earthlink.net!
newsread1.news.atl.earthlink.net.POSTED!a9d97033!not-for-mail
From: "Dwight Stewart" <stewartx@NOearthlinkSPAM.net>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
```

<9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net>
<kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com>
<xk3Hb.10655$IM3.2803@newsread3.news.atl.earthlink.net>
<na6ruv4omv57ojan93i2n3oaqdr8skr59r@4ax.com>
Subject: Re: Bye Bye CW?
Lines: 25
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <nojHb.2735$d4.97@newsread1.news.atl.earthlink.net>
Date: Sat, 27 Dec 2003 17:34:11 GMT
NNTP-Posting-Host: 63.184.233.89
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread1.news.atl.earthlink.net 1072546451 63.184.233.89 (Sat, 27 Dec 2003 09:34:11 PST)
NNTP-Posting-Date: Sat, 27 Dec 2003 09:34:11 PST
Organization: EarthLink Inc. -- http://www.EarthLink.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21239 rec.ham-radio.swap:3601 alt.ham-radio.hf:3881 rec.radio.amateur.swap:5249 rec.radio.swap:4797

"FT243" wrote:
>
> For the confused, grumbling babies like
> Dwight, who think that CW is dead,
> here is great evidence to the contrary:

Excuse me, but I have never once said, suggested, or even hinted, that "CW is dead." My comments throughout this entire discussion have solely addressed telegraphy proficiency as a licensing requirement.

> Try CW - it might just lower your blood
> pressure about 90% there Dwight, old boy!

And learning to read what a person has actually said, instead of blaming a person for things that person never said, may help lower yours.

Dwight Stewart   (W5NET)

http://www.qsl.net/w5net/

From 2186679292227996793

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49cf69ed154f702
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,d49cf69ed154f702
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,77da3aa314cad34f
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,d49cf69ed154f702
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fb049,8c89e18e3f9d2c77
X-Google-Attributes: gidfb049,public
X-Google-Thread: f95bc,d49cf69ed154f702
X-Google-Attributes: gidf95bc,public
X-Google-Thread: 114a57,d49cf69ed154f702
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2003-12-27 10:03:55 PST
Path: archiver1.google.com!news2.google.com!newsfeed2.dallas1.level3.net!
news.level3.com!news-out.visi.com!petbe.visi.com!newsfeeds-atl2!
news.webusenet.com!elnk-atl-nf1!newsfeed.earthlink.net!bigfeed2.bellsouth.net!
bigfeed.bellsouth.net!news.bellsouth.net!peer01.cox.net!cox.net!p01!
fed1read01.POSTED!not-for-mail
From: "Richard W. Haviland" <rwhaviland@hotmail.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.boatanchors,rec.ham-radio,rec.ham-
radio.swap,alt.ham-radio.hf,rec.radio.amateur.swap,rec.radio.swap
References: <zDUCb.11793$JW3.1413@twister.nyroc.rr.com>
<xPWdnUiyfO5QQ0Ki4p2dnA@comcast.com> <3FE51E5C.9010801@nospam.com>
<vu8buvo2hisq2e9sg89reb1g9vinsogcsu@4ax.com> <vubffugvb7mpb7@corp.supernews.com>
<tp7muvo612vknp6v326u3vp1l247c0dcv3@4ax.com>
<9jHGb.9028$IM3.8546@newsread3.news.atl.earthlink.net>
<kapouvsvjeg3s5mu2idv84dbtu1mf15gqi@4ax.com>
<xk3Hb.10655$IM3.2803@newsread3.news.atl.earthlink.net>
<na6ruv4omv57ojan93i2n3oaqdr8skr59r@4ax.com>
<nojHb.2735$d4.97@newsread1.news.atl.earthlink.net>
Subject: Re: Bye Bye CW?
Lines: 37
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <eQjHb.41854$m83.23182@fed1read01>
Date: Sat, 27 Dec 2003 11:03:53 -0700
NNTP-Posting-Host: 68.2.192.251
X-Complaints-To: abuse@cox.net
X-Trace: fed1read01 1072548234 68.2.192.251 (Sat, 27 Dec 2003 13:03:54 EST)
NNTP-Posting-Date: Sat, 27 Dec 2003 13:03:54 EST
Organization: Cox Communications
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:21240 rec.ham-radio.swap:3602
alt.ham-radio.hf:3882 rec.radio.amateur.swap:5250 rec.radio.swap:4799
```

I'm confused! lol

Happy Holidays All!

Rick - N7TAM (I like CW)

"Dwight Stewart" <stewartx@NOearthlinkSPAM.net> wrote in message
news:nojHb.2735$d4.97@newsread1.news.atl.earthlink.net...
>
> "FT243" wrote:
> >
> > For the confused, grumbling babies like
> > Dwight, who think that CW is dead,
> > here is great evidence to the contrary:
>
>
>   Excuse me, but I have never once said, suggested, or even hinted, that
"CW
> is dead." My comments throughout this entire discussion have solely
> addressed telegraphy proficiency as a licensing requirement.
>
>
> > Try CW - it might just lower your blood
> > pressure about 90% there Dwight, old boy!
>
>
>   And learning to read what a person has actually said, instead of blaming
a
> person for things that person never said, may help lower yours.
>
>
> Dwight Stewart   (W5NET)
>
> http://www.qsl.net/w5net/
>

From -3749654303906138878
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62688289ae8cf6c1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,62688289ae8cf6c1,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 106d41,62688289ae8cf6c1,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 10ddb1,62688289ae8cf6c1,start
X-Google-Attributes: gid10ddb1,public
X-Google-Thread: 1009ad,62688289ae8cf6c1,start
X-Google-Attributes: gid1009ad,public
X-Google-ArrivalTime: 2002-09-30 17:13:41 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
headwall.stanford.edu!newsfeed.news2me.com!west.cox.net!cox.net!news-
xfer.newsread.com!netaxs.com!newsread.com!grr!newsfeeds-atl2!news.webusenet.com!
news03.bloor.is.net.cable.rogers.com!news01.bloor.is.net.cable.rogers.com.POSTED!
not-for-mail

From: "Oleg M." <omhome@rogers.com>
Newsgroups: alt.radio.scanner,alt.radio.scanner.flame_fest,rec.ham-radio,rec.radio.cb,rec.radio.scanner
Subject: *NEW* TRIDENT TRX-200 SCANNER *NO GAPS*
Lines: 15
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2919.6700
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6700
Message-ID: <UM5m9.151463$8b1.123016@news01.bloor.is.net.cable.rogers.com>
Date: Tue, 01 Oct 2002 00:13:40 GMT
NNTP-Posting-Host: 24.156.83.38
X-Complaints-To: abuse@rogers.com
X-Trace: news01.bloor.is.net.cable.rogers.com 1033431220 24.156.83.38 (Mon, 30 Sep 2002 20:13:40 EDT)
NNTP-Posting-Date: Mon, 30 Sep 2002 20:13:40 EDT
Xref: archiver1.google.com alt.radio.scanner:30441 alt.radio.scanner.flame_fest:26249 rec.radio.cb:93241 rec.radio.scanner:41008

NEW TRIDENT TRX-200 SCANNER *NO GAPS*

TRX-200 is a wide band 100 KHz - 2149 MHz scanner with 40 channels band scope and is capable to receive all modes such as AM, NFM, WFM, LSB, USB, CW with inverted audio scrambler decoder built-in.

Comes with antenna, NI-CD batteries (4), AC adapter and English manual

Please check it out!

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1385327539&ssPageName=ADME:B:LC:US:1

From -7195217127835401146
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,66f39df0b9a4dbfa,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,66f39df0b9a4dbfa,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,66f39df0b9a4dbfa,start
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2002-10-20 07:04:03 PST
Path: archiver1.google.com!news1.google.com!sn-xit-03!sn-xit-01!sn-xit-04!supernews.com!easynet-quince!easynet.net!cox.net!nntp2.aus1.giganews.com!nntp.giganews.com!nntp3.aus1.giganews.com!nntp.ctc.net!news.ctc.net.POSTED!not-for-mail
NNTP-Posting-Date: Sun, 20 Oct 2002 09:00:27 -0500
From: "Ralph Mowery" <rmowery@ctc.net>
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,rec.ham-radio
References: <c0ys9.124$6L4.80@news.bellsouth.net>

Subject: Re: IC-706MKIIG
Date: Sun, 20 Oct 2002 09:53:29 -0300
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4807.1700
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4807.1700
Message-ID: <xwednctG08BhKy-gXTWcoQ@ctc.net>
Lines: 54
X-Trace:
sv3-4t3I1yM2MKwSU1BbxdrmTUKNtmn85rPIAThl68eAAchmVE0YRK2XqxEvmJoF34ZTSvdn+VLy2VG4ru
p!YA94OoGIwd+QszEwu5DnJg7eKFh/dGH1FeDuqfOjbb2rUWWBcWjuDmz6cCoLZIp8kg==
X-Complaints-To: abuse@ctc.net
X-DMCA-Notifications: http://www.giganews.com/info/dmca.html
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint
properly
X-Postfilter: 1.1
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:12903

I have one and it is a very good rig. You will need a good power supply and also an antenna tuner for the low bands. If you get one don't use the scanning function if you have it set for more than one band as it is hard on the relays that switch the filters in and out for each band.

For the vhf/uhf band you might want to start with a dual band vertical such as a Comet . That should get you into many repeaters. Later on you may want to put up some horizonta beams for each band as most ssb work is horizontal on vhf/uhf.

As with most antennas get them as high as you can. For the low bands you will probaly want to start off with some dipoles. YOu should look around for an ARRL antenna book or the ARRL Handbook. You don't need a new one as there is not much change in the basic information from one year to the next.

"Chris" <chris@chris.chris> wrote in message
news:c0ys9.124$6L4.80@news.bellsouth.net...
> I am 13 years old and am new to amateur radio. I got my license a month
ago
> and I am looking for a good amateur radio. I was looking at the
IC-706MKIIG
> model made by ICOM. Can anyone give any suggestions and tell me if this is
a
> good one.
>
> Also I am looking for an antenna. What kind of antenna should I get that
has
> 6m, 2m, 70cm, and possibly the HF bands. What is a good place to put it?
On
> the roof or on the ground? Do I need something to put it on? How high
should
> it go?
>
> Thank you.

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From 743191908463600114
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1b131bd651e3b269,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,1b131bd651e3b269,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 1009ad,1b131bd651e3b269,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,1b131bd651e3b269,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 10ddb1,1b131bd651e3b269,start
X-Google-Attributes: gid10ddb1,public
X-Google-ArrivalTime: 2002-10-21 04:56:45 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
canoe.uoregon.edu!cyclone1.gnilink.net!chi1.webusenet.com!newsfeeds-atl2!
news.webusenet.com!news03.bloor.is.net.cable.rogers.com!
news04.bloor.is.net.cable.rogers.com.POSTED!not-for-mail
From: "Oleg M." <omhome@rogers.com>
Newsgroups: alt.radio.scanner,alt.radio.scanner.flame_fest,rec.ham-
radio,rec.radio.cb,rec.radio.scanner
Subject: *New* YUPITERU MVT-7100 scanner
Lines: 30
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2919.6700
X-MIMEOLE: Produced By Microsoft MimeOLE V5.00.2919.6700
Message-ID: <0YRs9.34808$mxk1.22329@news04.bloor.is.net.cable.rogers.com>
Date: Mon, 21 Oct 2002 11:56:44 GMT
NNTP-Posting-Host: 24.156.83.38
X-Complaints-To: abuse@rogers.com
X-Trace: news04.bloor.is.net.cable.rogers.com 1035201404 24.156.83.38 (Mon, 21 Oct
```

2002 07:56:44 EDT)
NNTP-Posting-Date: Mon, 21 Oct 2002 07:56:44 EDT
Xref: archiver1.google.com alt.radio.scanner:31096
alt.radio.scanner.flame_fest:26346 rec.radio.cb:95612 rec.radio.scanner:41802

This scanner is brand new, unopened and not refurbished.

Full, continuous coverage from 530 kHz ~ 1650MHz.

(No gaps, locked out or restricted frequencies)

Any mode from AM, Narrow FM, Wide FM together with Upper & Lower sideband.
Increment steps vary from 1 kHz up to 100 kHz although when LSB or USB is
selected then increment steps as small as 100 or 50Hz can be used allowing
for true and accurate tuning of utility stations.1000 CHANNEL MEMORY (100 CH
x 10 BANK), 500 CHANNEL PASS MEMORY

Comes with antenna, car connector, NI-CD batteries (4), hand strap, belt
clip, earphone and English manual + Owner's guide and Operating Instructions
by Richard J. Wells

Price is $260 US + shipment

If you have any questions, please do not hesitate to contact me:

mi1ol@icqmail.com

From 3689478057816013960
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7ed868b2ee9af068,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,7ed868b2ee9af068,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,7ed868b2ee9af068,start
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2002-10-22 23:06:05 PST
Path: archiver1.google.com!news1.google.com!sn-xit-03!sn-xit-06!sn-xit-08!
supernews.com!38.144.126.75.MISMATCH!feed1.newsreader.com!newsreader.com!
ngpeer.news.aol.com!cyclone1.gnilink.net!chi1.webusenet.com!news.webusenet.com!
newsfeed.telusplanet.net!news0.telusplanet.net.POSTED!53ab2750!not-for-mail
From: "WG" <nojunk@mail.com>
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,rec.ham-radio
References: <c0ys9.124$6L4.80@news.bellsouth.net>

Subject: Re: IC-706MKIIG
Lines: 45
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <2Gqt9.34677$wU3.3348209@news0.telusplanet.net>
Date: Wed, 23 Oct 2002 05:43:26 GMT
NNTP-Posting-Host: 207.194.20.9
X-Trace: news0.telusplanet.net 1035351806 207.194.20.9 (Tue, 22 Oct 2002 23:43:26 MDT)
NNTP-Posting-Date: Tue, 22 Oct 2002 23:43:26 MDT
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:12945

Try the Yeasu FT-100 and the ATAS-100 antenna. That will give you coverage from 40 meters to 70 cm and the antenna is for a mobile so it is small. The antenna also has a ground-plane kit for apartment balcony railings. Nothing wrong with the Icom 706 except that they don't have a matching antenna like Yeasu does.

"Chris" <chris@chris.chris> wrote in message
news:c0ys9.124$6L4.80@news.bellsouth.net...
> I am 13 years old and am new to amateur radio. I got my license a month
ago
> and I am looking for a good amateur radio. I was looking at the
IC-706MKIIG
> model made by ICOM. Can anyone give any suggestions and tell me if this is
a
> good one.
>
> Also I am looking for an antenna. What kind of antenna should I get that
has
> 6m, 2m, 70cm, and possibly the HF bands. What is a good place to put it?
On
> the roof or on the ground? Do I need something to put it on? How high
should
> it go?
>
> Thank you.
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From 5579447912090613622
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b4b61f6dd9260993,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,b4b61f6dd9260993,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,b4b61f6dd9260993,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-11-01 13:00:02 PST
Path: archiver1.google.com!news1.google.com!sn-xit-03!sn-xit-06!sn-xit-04!
supernews.com!newsfeed.news2me.com!west.cox.net!cox.net!p01!
news1.west.cox.net.POSTED!53ab2750!not-for-mail
Message-ID: <3DC2EB45.75B304D9@email.com>
From: fishfry <fishfry@email.com>
Organization: fishfry
X-Mailer: Mozilla 4.76 [en] (Win95; U)
X-Accept-Language: en,pdf
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: IC-706MKIIG
References: <c0ys9.124$6L4.80@news.bellsouth.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 20
Date: Fri, 01 Nov 2002 20:55:43 GMT
NNTP-Posting-Host: 68.6.196.53
X-Complaints-To: abuse@cox.net
X-Trace: news1.west.cox.net 1036184143 68.6.196.53 (Fri, 01 Nov 2002 15:55:43 EST)
NNTP-Posting-Date: Fri, 01 Nov 2002 15:55:43 EST
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:13136
```

get the 706. It's great.
you'll need different antennas for HF and VHF
build your own 1/4 wave antennas for VHF and UHF for less than five bucks and
attach to the edge of your roof
make a dipole for HF assuming you have general class or higher license.

Chris wrote:

> I am 13 years old and am new to amateur radio. I got my license a month ago
> and I am looking for a good amateur radio. I was looking at the IC-706MKIIG
> model made by ICOM. Can anyone give any suggestions and tell me if this is a
> good one.
>
> Also I am looking for an antenna. What kind of antenna should I get that has

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> 6m, 2m, 70cm, and possibly the HF bands. What is a good place to put it? On
> the roof or on the ground? Do I need something to put it on? How high should
> it go?
>
> Thank you.



From 8911234824334322679
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b4b61f6dd9260993
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,b4b61f6dd9260993
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,b4b61f6dd9260993
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2002-11-09 19:50:04 PST
Path: archiver1.google.com!news1.google.com!sn-xit-03!sn-xit-06!sn-xit-04!
supernews.com!news.maxwell.syr.edu!ptdnetT!newsgateT.ptd.net!ptdnetS!
newsgate.ptd.net!nnrp1.ptd.net.POSTED!78995fd9!not-for-mail
From: wf3h@ptdnospam.com
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: IC-706MKIIG
Message-ID: <3dcdd346.44897225@news.ptdprolog.net>
References: <c0ys9.124$6L4.80@news.bellsouth.net>
X-Newsreader: Forte Free Agent 1.21/32.243
Lines: 34
Date: Sun, 10 Nov 2002 03:41:30 GMT
NNTP-Posting-Host: 24.229.96.251
X-Complaints-To: abuse@ptd.net
X-Trace: nnrp1.ptd.net 1036899690 24.229.96.251 (Sat, 09 Nov 2002 22:41:30 EST)
NNTP-Posting-Date: Sat, 09 Nov 2002 22:41:30 EST
Organization: PenTeleData http://www.ptd.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:13210

On Sun, 20 Oct 2002 09:26:59 -0400, "Chris" <chris@chris.chris> wrote:

>I am 13 years old and am new to amateur radio. I got my license a month ago
>and I am looking for a good amateur radio. I was looking at the IC-706MKIIG
>model made by ICOM. Can anyone give any suggestions and tell me if this is a
>good one.

excellent, excellent radio. i use it mobile and used it when I was a
radio operator at Red Cross HQ in NYC after the trade center was
attacked. we used local repeaters on 2m and 440 for comms (the police
and fire freqs were, understandably overloaded, and red cross traffic
was passed by hams).

i've talked to australia many many times from my car using a hamstick
on 20 meters. the rig is easy to use and program.
>
>Also I am looking for an antenna. What kind of antenna should I get that has
>6m, 2m, 70cm, and possibly the HF bands. What is a good place to put it? On
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>the roof or on the ground? Do I need something to put it on? How high should
>it go?
>

the 706 has 2 antenna outputs; 1 for vhf/uhf and another for 6m-hf. so
you need a combo 2m/440 antenna and another antenna for HF. the
vhf/uhf can be a mag mount. the HF will need to be anchored to the car
and grounded

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From -5612146547710005867
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,d7dc7b93db42e601,start
X-Google-Attributes: gid1091c5,public
X-Google-Thread: fc734,d7dc7b93db42e601,start
X-Google-Attributes: gidfc734,public
X-Google-Thread: 10c9e3,d7dc7b93db42e601,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,d7dc7b93db42e601,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,d7dc7b93db42e601,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,d7dc7b93db42e601,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,d7dc7b93db42e601,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,d7dc7b93db42e601,start
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2002-12-25 18:46:24 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-06!sn-xit-09!
supernews.com!news.maxwell.syr.edu!newsfeed.wirehub.nl!news.astraweb.com!news-
small.astraweb.com!news-xfer.cox.net!p01!news2.east.cox.net.POSTED!53ab2750!not-
for-mail
From: "N4RPD" <n4rpd@cox.net>
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.hf,alt.ham-
radio.ssb,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc
Subject: N4RPD WEB PAGE UPDATED!
Lines: 12
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <14uO9.70012$pe.2358565@news2.east.cox.net>
Date: Thu, 26 Dec 2002 02:46:21 GMT
NNTP-Posting-Host: 68.10.218.112
```

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X-Complaints-To: abuse@cox.net
X-Trace: news2.east.cox.net 1040870781 68.10.218.112 (Wed, 25 Dec 2002 21:46:21
EST)
NNTP-Posting-Date: Wed, 25 Dec 2002 21:46:21 EST
Organization: Cox Communications
Xref: archiver1.google.com alt.ham-radio.hf:2706 rec.radio.amateur:4630
rec.radio.amateur.misc:36365
```

Visit my UPDATED HAM Radio Webpage featuring:
Digitized Repeater Maps for the Greater Hampton Roads, VA area and Online
Practice Exams for all current classes of amateur radio licenses.

http://www.qsl.net/n4rpd

73,
Rob N4RPD

```
From -2190180840320786659
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3402468a12a992d1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,3402468a12a992d1,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114aac,3402468a12a992d1,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 101046,3402468a12a992d1,start
X-Google-Attributes: gid101046,public
X-Google-ArrivalTime: 2003-01-01 19:57:33 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
logbridge.uoregon.edu!news.stealth.net!news.stealth.net!prodigy.com!
newsmst01.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr21.news.prodigy.com.POSTED!6e6c9371!not-for-mail
User-Agent: Microsoft-Outlook-Express-Macintosh-Edition/5.02.2022
Subject: need to borrow, buy  or rent shortwave radios for performance-
     Los Angeles
From: Brad Bordine <bradandmarina@sbcglobal.net>
Newsgroups: alt.radio,rec.radio.shortwave,alt.ham-radio,rec.ham-radio
Message-ID: <BA38E26D.221%bradandmarina@sbcglobal.net>
Mime-version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
Lines: 16
NNTP-Posting-Host: 64.175.109.8
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr21.news.prodigy.com 1041474156 ST000 64.175.109.8 (Wed, 01 Jan
2003 21:22:36 EST)
NNTP-Posting-Date: Wed, 01 Jan 2003 21:22:36 EST
Organization: Prodigy Internet http://www.prodigy.com
```

```
X-UserInfo1:
SCSGG_OGTBWQBQXYCJK@^RLATJT@QDDMEPWXODMMHXMTWA]EPMS[AACY@TZZXQ[KS^ESKCJLOF_J_NGAWN
TG^_XGTNTAHULK[X[NRTC@G\P^PLT_OCBRHUO@@TBQZDZMHD[YZ@NLXQXIWMOSXT_KOLK^^CXFF\WHMI^C
@EGA_[FXAQ@E^TGNMUXGYNS[QQVL
Date: Thu, 02 Jan 2003 02:22:36 GMT
Xref: archiver1.google.com alt.radio:1661 rec.radio.shortwave:122264
```

Happy new year everyone-
my apologies for the cross-posting, please reply via email if you can help...
I am looking for advice and/or benevolent acts to aid a performance of Cage's Radio Music in Los Angeles on January 17. Our efforts at interpreting the score place the frequency range between 1900khz-5400khz (the tuning numbers in the score range from 55 to 156 -- we assume these are wavelengths, as the score is from 1956 -- please advise if we are wrong) and we need up to 8 radios for the performance. Thanks to any who can help.
We will be performing this at ASTO Gallery in Los Angeles on January 17 at 8 p.m. Other pieces on the program are Steve Reich's Pendulum Music and an improvisation with cello and laptop. On January 30, we will perform Cage's Solo for Cello and a cello/laptop improvisation. ASTO is in the Artist's District between Cafe Metropol and R23. More information can be found on their web site, www.artst.org <http://www.artst.org> .

```
From 3064506908558202505
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3402468a12a992d1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,3402468a12a992d1
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114aac,3402468a12a992d1
X-Google-Attributes: gid114aac,public
X-Google-Thread: 101046,3402468a12a992d1
X-Google-Attributes: gid101046,public
X-Google-ArrivalTime: 2003-01-01 23:03:22 PST
Newsgroups: alt.radio,rec.radio.shortwave,alt.ham-radio,rec.ham-radio
Subject: Re: need to borrow, buy  or rent shortwave radios for performance- Los
Angeles
From: Charles Gillen <see-my-sig@below.com>
References: <BA38E26D.221%bradandmarina@sbcglobal.net>
Organization: Retired Uncivil Servant
Message-ID: <Xns92F714F435FEFgillen@216.194.225.92>
Followup-To: rec.radio.shortwave
User-Agent: Xnews/4.11.09
X-Face: 1G*W9f4Ob5Hm!]OJlflf1jv-UiiBSv'Zb*i>V.vw2IDL>8QHmTHd?pVCD0=-IO1P;r\WfLD?
Qxa=xVvOTZw*{5L.L#o.'>Tw`/@?LO#@@Fwv2MN+DZs'Uddx&hnmj{zOf_2K6"63;<j1xoA:*k&!?
l9i1gr<4yPlQg%FO>;bj5:mKHI@?(n!&rHBsX&L*,`:3>X3]:F[hmR6HzdrIb/GDk&8OL!O5b"Pu!
s^8z[+gp,mSQy&?4)@J"Q]nUGB,%VE@iiF6
NNTP-Posting-Host: max1ka-16.his.com
Date: 2 Jan 2003 02:03:10 -0500
X-Trace: vienna7.his.com 1041490990 max1ka-16.his.com (2 Jan 2003 02:03:10 -0500)
Lines: 21
```

Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
canoe.uoregon.edu!arclight.uoregon.edu!wn13feed!wn14feed!worldnet.att.net!
199.45.49.37!cyclone1.gnilink.net!ngpeer.news.aol.com!nntp1.roc.gblx.net!
nntp.gblx.net!nntp.gblx.net!vienna7.his.com
Xref: archiver1.google.com alt.radio:1662 rec.radio.shortwave:122287

Brad Bordine <bradandmarina@sbcglobal.net> wrote:

> I am looking for advice and/or benevolent acts to aid a performance of
> Cage's Radio Music in Los Angeles on January 17. Our efforts at
> interpreting the score place the frequency range between
> 1900khz-5400khz (the tuning numbers in the score range from 55 to 156
> -- we assume these are wavelengths, as the score is from 1956 -- please
> advise if we are wrong)

OK, you are wrong :^)

Most likely, the tuning numbers in the score refer to the regular AM
broadcast band, i.e. 550 to 1560 in 1956-era kilocycles. Perhaps Cage's
radio lacked that last zero :^)

Actually, such crackpot "performance art" is one of the dumbest ideas I've
ever heard. A waste of good radios.

--
Anti-Spam address: my last name at his dot com
Charles Gillen -- Reston, Virginia, USA

From -7743953600747517631
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,b89d48b62f1f1f40,start
X-Google-Attributes: gid1091c5,public
X-Google-Thread: fc734,b89d48b62f1f1f40,start
X-Google-Attributes: gidfc734,public
X-Google-Thread: 10c9e3,b89d48b62f1f1f40,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,b89d48b62f1f1f40,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb049,b89d48b62f1f1f40,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,b89d48b62f1f1f40,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,b89d48b62f1f1f40,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108778,b89d48b62f1f1f40,start
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2003-01-07 15:56:08 PST
Path: archiver1.google.com!news1.google.com!sn-xit-03!sn-xit-01!sn-xit-08!
supernews.com!38.144.126.70.MISMATCH!feed3.newsreader.com!newsreader.com!news-
xfer.cox.net!p01!news2.east.cox.net.POSTED!53ab2750!not-for-mail
From: "N4RPD" <n4rpd@cox.net>
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.ssb,alt.ham-radio.vhf-

```
uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc
Subject: Online HAM Radio Practice Exams
Lines: 13
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <uNJS9.6472$t06.115111@news2.east.cox.net>
Date: Tue, 07 Jan 2003 23:55:06 GMT
NNTP-Posting-Host: 68.10.218.112
X-Complaints-To: abuse@cox.net
X-Trace: news2.east.cox.net 1041983706 68.10.218.112 (Tue, 07 Jan 2003 18:55:06
EST)
NNTP-Posting-Date: Tue, 07 Jan 2003 18:55:06 EST
Organization: Cox Communications
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:14214 rec.radio.amateur:4702
rec.radio.amateur.misc:36645

Are you ready to finally get that HAM Radio license that you always wanted?
Maybe you need to upgrade that license?

Take a FREE Online HAM Radio practice exam and see if your ready.  You can
take the exam as often as you like and best of all, IT'S FREE.

www.qsl.net/n4rpd N4RPD's HAM Radio Website has a practice exam for all the
current license classes.  A new exam is generated every time you visit too.

Good luck and 73,
Rob N4RPD




From -6879240167567144070
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,870c4c033181dc91,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f8110,870c4c033181dc91,start
X-Google-Attributes: gidf8110,public
X-Google-Thread: f68a8,870c4c033181dc91,start
X-Google-Attributes: gidf68a8,public
X-Google-ArrivalTime: 2003-01-13 03:08:53 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!cyclone.bc.net!
snoopy.risq.qc.ca!newsfeed.news2me.com!newsfeed2.easynews.com!easynews.com!
easynews!easynews-local!post-02.news.easynews.com.POSTED!not-for-mail
From: "Andre Vaupel" <dl4qb@darc.de>
Newsgroups: aus.radio.amateur.digital,japan.ham-radio,rec.ham-radio
Subject: PSK31 Realtime monitor in DL via Internet!
Lines: 25
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
```

Message-ID: <87xU9.376222$vi4.48459@post-02.news.easynews.com>
X-Complaints-To: abuse@easynews.com
Organization: EasyNews, UseNet made Easy! - Test our service with our FREE trial at https://www.easynews.com/trial/trial.phtml
X-Complaints-Info: Please be sure to forward a copy of ALL headers otherwise we will be unable to process your complaint properly.
Date: Mon, 13 Jan 2003 11:08:52 GMT
Xref: archiver1.google.com aus.radio.amateur.digital:822 japan.ham-radio:319

Hi!

There is a new realtime psk31 monitor available at
http://www.hamradio-portal.com/psk !

Watch propagation or your own signal on 20m at 14.070 Mhz !

Please use on the JAVA Applet below the RED color checkbox to get a zoom to

14.070 and don�t mind about the right scale ! If you use the red checkbox
you�re defently

on 14.070 Mhz.

This monitoring is available 24h every day...ocator is JO31SQ / Germany

Have fun !

Andre

http://www.hamradio-portal.com

From 1711465115936387050
X-Google-Language: POLISH,Latin2
X-Google-Thread: 10c9e3,870c4c033181dc91
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f8110,870c4c033181dc91
X-Google-Attributes: gidf8110,public
X-Google-Thread: f68a8,870c4c033181dc91
X-Google-Attributes: gidf68a8,public
X-Google-ArrivalTime: 2003-01-25 13:36:59 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!fr.usenet-edu.net!usenet-edu.net!fu-berlin.de!carnet.feed!CARNet.hr!not-for-mail
From: "zoran" <zkorolje@inet.hr>
Newsgroups: aus.radio.amateur.digital,japan.ham-radio,rec.ham-radio
Subject: Re: PSK31 Realtime monitor in DL via Internet!
Date: Sat, 25 Jan 2003 22:21:31 +0100
Organization: CARNet, CROATIA

```
Lines: 107
Message-ID: <b0uv45$imm$1@bagan.srce.hr>
References: <87xU9.376222$vi4.48459@post-02.news.easynews.com>
NNTP-Posting-Host: a1350.cmu.carnet.hr
X-Trace: bagan.srce.hr 1043529669 19158 193.198.139.30 (25 Jan 2003 21:21:09 GMT)
X-Complaints-To: abuse@carnet.hr
NNTP-Posting-Date: 25 Jan 2003 21:21:09 GMT
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Xref: archiver1.google.com aus.radio.amateur.digital:837 japan.ham-radio:323


IC 706MKIIG - Powi�kszenie

          cz�c tylna urz�dzenia



ICOM - 706 MKIIG

Cz�stotliwo��:
RX: 0.030 - 199.999MHz, 400 - 470MHz
TX:
1.8 - 1.999 MHz*
3.5 - 3.999 MHz*
7.0 - 7.300MHz
10.1 - 10.150MHz
14.0 - 14.350MHz
18.068 - 18.168MHz
21.0 - 21.450MHz
24.89 - 24.990MHz
28.0 - 29.700MHz
50.0 - 54.000MHz
144.0 - 148.000MHz
430.0 - 450.000MHz
Emisje: USB, LSB, CW, RTTY (FSK), AM, FM, WFM (RX tylko)
Ilo�� kom�rek pami�ci:107
Impedancja anteny:50Ohm
Napi�cie: 13.8V ?15%
Stabilno�� cz�stotliwo�ci: ?7ppm dla 1 min. do 60 min.
Pob�r pr�du: TX max.20A; RX:1.8A, max. audio 2.0A
Temperatura otoczenia: -10�C do 60�C
Moc wyj�ciowa: 100W/KF, 50W/2m, 20W/70cm.
Ci�ar: 2.45kg
Wymiary: 16.7 x 5.8 x 20cm



Czu�o�� odbiornika (przedwzmacniacz w��czony,
z wyj�tkiem zakres�w 4 - 4.5MHz i 8 - 9MHz)
```

SSB/CW
10 dB S/N AM
10 dB S/N FM
12 dB SINAD WFM
12 dB SINAD
0.5 - 1.8 MHz - 13 ?V - -
1.8 - 28 MHz 0.15 ?V 2.0 ?V - -
28 - 29.7 MHz 0.15 ?V 2.0 ?V 0.5 ?V -
50 MHz band 0.12 ?V 1.0 ?V 0.25 ?V -
76 - 108 MHz - - - 10.0 ?V
144/440 MHz band 0.11 ?V 1.0 ?V 0.18 ?V -

(Squelch) Czu�o��:

SSB Less than 5.6 ?V
FM Less than 0.3 ?V

Selektywno��:

SSB, CW, RTTY More than 2.4 kHz/- 6 dB
Less than 4.8 kHz/ -60 dB
AM/FM-N More than 8.0 kHz/-6 dB
Less than 30 kHz/-36 dB
FM More than 12 kHz/-6 dB
Less than 30 kHz/-60 dB

"Andre Vaupel" <dl4qb@darc.de> wrote in message
news:87xU9.376222$vi4.48459@post-02.news.easynews.com...
> Hi!
>
> There is a new realtime psk31 monitor available at
> http://www.hamradio-portal.com/psk !
>
> Watch propagation or your own signal on 20m at 14.070 Mhz !
>
> Please use on the JAVA Applet below the RED color checkbox to get a zoom
to
>
> 14.070 and don�t mind about the right scale ! If you use the red checkbox
> you�re defently
>
> on 14.070 Mhz.

>
> This monitoring is available 24h every day...ocator is JO31SQ / Germany
>
> Have fun !
>
> Andre
>
> http://www.hamradio-portal.com
>
>
>
>

```
From 903966522877929081
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2ed72350b564147,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,f2ed72350b564147,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,f2ed72350b564147,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,f2ed72350b564147,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fb049,f2ed72350b564147,start
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2003-03-08 13:08:23 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
newsfeed.berkeley.edu!ucberkeley!hammer.uoregon.edu!arclight.uoregon.edu!wn13feed!
worldnet.att.net!204.127.198.203!attbi_feed3!attbi.com!rwcrnsc53.POSTED!not-for-
mail
Reply-To: "Rick Miller" <k1rdm@n0spam.bigfoot.com>
From: "Rick Miller" <k1rdm@n0spam.bigfoot.com>
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap
Subject: Wanted: Manual for Wavetek 2407
Lines: 14
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <aZsaa.12381$S_4.10052@rwcrnsc53>
NNTP-Posting-Host: 24.147.88.162
X-Complaints-To: abuse@attbi.com
X-Trace: rwcrnsc53 1047157702 24.147.88.162 (Sat, 08 Mar 2003 21:08:22 GMT)
NNTP-Posting-Date: Sat, 08 Mar 2003 21:08:22 GMT
Organization: AT&T Broadband
Date: Sat, 08 Mar 2003 21:08:22 GMT
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:15160 rec.ham-radio.swap:2696
rec.radio.amateur.equipment:40457 rec.radio.amateur.swap:4209
```

Looking for manual for Wavetek 2407 Signal Generator.

Can anyone help?

Thanks,

Rick
K1RDM

reply to k1rdm at bigfoot dot com

```
From -8832507221019904878
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2ed72350b564147
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,f2ed72350b564147
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 108122,f2ed72350b564147
X-Google-Attributes: gid108122,public
X-Google-Thread: fb049,f2ed72350b564147
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1031c8,f2ed72350b564147
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2003-03-10 16:36:02 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!sn-xit-03!sn-xit-04!sn-xit-01!sn-post-01!supernews.com!corp.supernews.com!not-for-mail
From: Dean Arthur <dearthur@silverstar.com>
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap
Subject: Re: Wanted: Manual for Wavetek 2407
Date: Mon, 10 Mar 2003 17:39:11 -0700
Organization: F.U.B.A.R.
Message-ID: <3E6D3036.97BFECE1@silverstar.com>
Reply-To: dearthur@silverstar.com
X-Mailer: Mozilla 4.5 (Macintosh; I; PPC)
X-Accept-Language: en
MIME-Version: 1.0
References: <aZsaa.12381$S_4.10052@rwcrnsc53>
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit
X-Complaints-To: abuse@supernews.com
Lines: 3
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:15216 rec.ham-radio.swap:2703 rec.radio.amateur.equipment:40542 rec.radio.amateur.swap:4212
```

Have you checked with ManualsRUs.com? Or Test Labs Company

[http://www.TLC.com]

From -8756125839738499355
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e0a38ac45b6ebb5f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,e0a38ac45b6ebb5f,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,e0a38ac45b6ebb5f,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,e0a38ac45b6ebb5f,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2003-03-11 19:14:00 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!nntp.cs.ubc.ca!cyclone.bc.net!sjc70.webusenet.com!news.webusenet.com!news03.bloor.is.net.cable.rogers.com!news02.bloor.is.net.cable.rogers.com.POSTED!not-for-mail
From: "watsu" <watsu@rogers.com>
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc
Subject: WTB: KDK FM-2033 Operating Manual
Lines: 13
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <VBxba.216705$UXa.21679@news02.bloor.is.net.cable.rogers.com>
Date: Wed, 12 Mar 2003 03:13:57 GMT
NNTP-Posting-Host: 24.156.168.4
X-Complaints-To: abuse@rogers.com
X-Trace: news02.bloor.is.net.cable.rogers.com 1047438837 24.156.168.4 (Tue, 11 Mar 2003 22:13:57 EST)
NNTP-Posting-Date: Tue, 11 Mar 2003 22:13:57 EST
Xref: archiver1.google.com rec.radio.amateur:5032 rec.radio.amateur.equipment:40588 rec.radio.amateur.misc:38560

I am looking for the operating manual for an old radio, a KDK FM-2033.

On the other hand, I would appreciate it if someone could tell me how to operate it if he/she knows how and can relate to me by e-mail.

Thanks.

73....................VA3TSU

Reply to: watsu@rogers.com

```
From 8784806496270531558
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e0a38ac45b6ebb5f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,e0a38ac45b6ebb5f
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,e0a38ac45b6ebb5f
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,e0a38ac45b6ebb5f
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2003-03-12 07:03:11 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!sn-xit-03!sn-xit-06!sn-post-01!
supernews.com!corp.supernews.com!not-for-mail
From: "Bill, W7TI" <jamspam@upyours.now>
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc
Subject: Re: WTB: KDK FM-2033 Operating Manual
Followup-To: rec.ham-radio,rec.radio.amateur.equipment
Date: Wed, 12 Mar 2003 15:03:04 -0000
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <Xns933C47BA66A0Epookster@216.168.3.50>
References: <VBxba.216705$UXa.21679@news02.bloor.is.net.cable.rogers.com>
User-Agent: Xnews/5.04.25
X-Face: ?S[P}w~cU>F\v@6s~Z6%E*sw<K>v2ErDvmPf%3x(_L;C=/
CeJ=Yo)>IwtXrAqCR]=OUwmUn#KLpCHk}*T]lkjtA9qYx3#AKH>\\L`vsJ7*plE'm'[l)GjRX|Mb"
X-Complaints-To: abuse@supernews.com
Lines: 18
Xref: archiver1.google.com rec.radio.amateur:5034
rec.radio.amateur.equipment:40599 rec.radio.amateur.misc:38570
```

"watsu" <watsu@rogers.com> wrote in
news:VBxba.216705$UXa.21679@news02.bloor.is.net.cable.rogers.com:

> I am looking for the operating manual for an old radio, a KDK FM-2033.
>
> On the other hand, I would appreciate it if someone could tell me how
> to operate it if he/she knows how and can relate to me by e-mail.
>
> Thanks.
>

I had one of those. Piece of junk, especially where noise rejection
matters. Get something newer.

--
Bill, W7TI

```
From -1533287830676191921
X-Google-Language: ENGLISH,ASCII-7-bit
```

```
X-Google-Thread: 10c9e3,e0a38ac45b6ebb5f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,e0a38ac45b6ebb5f
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,e0a38ac45b6ebb5f
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,e0a38ac45b6ebb5f
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2003-04-03 13:12:42 PST
Path: archiver1.google.com!postnews1.google.com!not-for-mail
From: sadie1977@yahoo.com (Sara)
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc
Subject: Re: WTB: KDK FM-2033 Operating Manual
Date: 3 Apr 2003 13:12:41 -0800
Organization: http://groups.google.com/
Lines: 22
Message-ID: <18a88f8d.0304031312.7b96b470@posting.google.com>
References: <VBxba.216705$UXa.21679@news02.bloor.is.net.cable.rogers.com>
<Xns933C47BA66A0Epookster@216.168.3.50>
NNTP-Posting-Host: 69.1.54.147
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1049404362 3840 127.0.0.1 (3 Apr 2003 21:12:42 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: 3 Apr 2003 21:12:42 GMT
Xref: archiver1.google.com rec.radio.amateur:5173
rec.radio.amateur.equipment:41393 rec.radio.amateur.misc:38984

Tried posting my own thread and it would not let me..Im looking to
find out what kind of radio I should buy my husband as a present...He
doesnt have a clue that Im doing this but If I ask him he will.Thanks
for your help in advance


"Bill, W7TI" <jamspam@upyours.now> wrote in message
news:<Xns933C47BA66A0Epookster@216.168.3.50>...
> "watsu" <watsu@rogers.com> wrote in
> news:VBxba.216705$UXa.21679@news02.bloor.is.net.cable.rogers.com:
>
> > I am looking for the operating manual for an old radio, a KDK FM-2033.
> >
> > On the other hand, I would appreciate it if someone could tell me how
> > to operate it if he/she knows how and can relate to me by e-mail.
> >
> > Thanks.
> >
>
> ----------------------------------------------------------------
>
> I had one of those.  Piece of junk, especially where noise rejection
> matters.  Get something newer.
```

```
From 7834988373538788390
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e0a38ac45b6ebb5f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,e0a38ac45b6ebb5f
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,e0a38ac45b6ebb5f
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,e0a38ac45b6ebb5f
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 2003-04-04 07:00:54 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-06!sn-post-01!
supernews.com!corp.supernews.com!not-for-mail
From: "Bill, W7TI" <jamspam@upyours.now>
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc
Subject: Re: WTB: KDK FM-2033 Operating Manual
Date: Fri, 04 Apr 2003 15:00:05 -0000
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <Xns9353473A9F156pookster@216.168.3.50>
References: <VBxba.216705$UXa.21679@news02.bloor.is.net.cable.rogers.com>
<Xns933C47BA66A0Epookster@216.168.3.50>
<18a88f8d.0304031312.7b96b470@posting.google.com>
User-Agent: Xnews/5.04.25
X-Face: ?S[P}w~cU>F\v@6s~Z6%E*sw<K>v2ErDvmPf%3x(_L;C=/
CeJ=Yo)>IwtXrAqCR]=OUwmUn#KLpCHk}*T]lkjtA9qYx3#AKH>\\L`vsJ7*plE'm'[l)GjRX|Mb"
X-Complaints-To: abuse@supernews.com
Lines: 14
Xref: archiver1.google.com rec.radio.amateur:5178
rec.radio.amateur.equipment:41418 rec.radio.amateur.misc:38991

sadie1977@yahoo.com (Sara) wrote in news:18a88f8d.0304031312.7b96b470
@posting.google.com:

> Im looking to
> find out what kind of radio I should buy my husband as a present...He
> doesnt have a clue that Im doing this but If I ask him he will

----------------------------------------------------------------

Would you like some advice?  Ask him.  Hams are *very* particular about
their radios.  Save the element of surprise for something less important.

--
Bill, W7TI


From 5360020004083545054
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bd14070323f576e1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,bd14070323f576e1,start
```

X-Google-Attributes: gid107ada,public
X-Google-Thread: f55c2,bd14070323f576e1,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fa656,bd14070323f576e1,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,bd14070323f576e1,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f7810,bd14070323f576e1,start
X-Google-Attributes: gidf7810,public
X-Google-Thread: 114a57,bd14070323f576e1,start
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2003-04-11 17:04:24 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-04!sn-xit-06!sn-xit-08!supernews.com!news3.cnt.ru!srcc!Gamma.RU!news1.spb.su!image.surnet.ru!news-east.rr.com!news01.optonline.net!news4.srv.hcvlny.cv.net.POSTED!not-for-mail
From: "eCaVeMaN" <me@home.com>
Newsgroups: alt.ham-radio,alt.ham-radio.dxing,alt.ham-radio.hf,alt.ham-radio.mods,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc
Subject: Need some help!
Lines: 22
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <eHIla.44467$Xd1.14059444@news4.srv.hcvlny.cv.net>
Date: Sat, 12 Apr 2003 00:01:14 GMT
NNTP-Posting-Host: 67.87.79.65
X-Trace: news4.srv.hcvlny.cv.net 1050105674 67.87.79.65 (Fri, 11 Apr 2003 20:01:14 EDT)
NNTP-Posting-Date: Fri, 11 Apr 2003 20:01:14 EDT
Organization: Optimum Online
Xref: archiver1.google.com alt.ham-radio.hf:3101 alt.ham-radio.mods:2460 rec.radio.amateur:5176 rec.radio.amateur.misc:39055

Hello All!

I have a problem I'm hoping someone can help me with.

I have a Kenwood TS-140S that seems to have a transmit problem. I think its the Microphone but I'm not sure. My funds are VERY limited at the moment so I don't want to buy a mike unless I'm sure thats the problem. I try to transmit and see no output on the meter. When I tap on the mike I see the meter deflect, or if i tap the mike the meter deflects with the taps. I checked all the connections and they are fine (Inside the mike also). If I whistle I also see the meter deflect for a second. The radio was fine and then this started the other day. I tried the mod for intemittent TX power that i found during a search but that didnt help (and the problem isnt intermittent).

Can someone steer a financially strapped Ham with some suggestions.

Thanks in Advance!

```
From 8487992545663948912
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bd14070323f576e1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,bd14070323f576e1
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,bd14070323f576e1
X-Google-Attributes: gid114a57,public
X-Google-Thread: f55c2,bd14070323f576e1
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 10ed5f,bd14070323f576e1
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f7810,bd14070323f576e1
X-Google-Attributes: gidf7810,public
X-Google-Thread: fa656,bd14070323f576e1
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2003-04-11 18:36:00 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-06!sn-post-02!sn-
post-01!supernews.com!corp.supernews.com!not-for-mail
From: "MH" <hald@charter.net>
Newsgroups: alt.ham-radio,alt.ham-radio.dxing,alt.ham-radio.hf,alt.ham-
radio.mods,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc
Subject: Re: Need some help!
Date: Fri, 11 Apr 2003 21:34:02 -0400
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <v9er8aj0ocli74@corp.supernews.com>
References: <eHIla.44467$Xd1.14059444@news4.srv.hcvlny.cv.net>
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
X-Complaints-To: abuse@supernews.com
Lines: 40
Xref: archiver1.google.com alt.ham-radio.hf:3106 alt.ham-radio.mods:2461
rec.radio.amateur:5177 rec.radio.amateur.misc:39056
```

I'm not sure I understand your symptoms/observations correctly, however, are you sure it's not working correctly? What you describe regarding whistling or tapping the mic causing meter deflection sounds fairly normal for SSB operation - i.e., no output until audio is provided from the mic.

regards,

mark

ab1x

```
"eCaVeMaN" <me@home.com> wrote in message
news:eHIla.44467$Xd1.14059444@news4.srv.hcvlny.cv.net...
> Hello All!
>
> I have a problem I'm hoping someone can help me with.
>
> I have a Kenwood TS-140S that seems to have a transmit problem. I think
its
> the Microphone but I'm not sure. My funds are VERY limited at the moment
so
> I don't want to buy a mike unless I'm sure thats the problem. I try to
> transmit and see no output on the meter. When I tap on the mike I see the
> meter deflect, or if i tap the mike the meter deflects with the taps. I
> checked all the connections and they are fine (Inside the mike also). If I
> whistle I also see the meter deflect for a second. The radio was fine and
> then this started the other day. I tried the mod for intemittent TX power
> that i found during a search but that didnt help ( and the problem isnt
> intermittent).
>
> Can someone steer a financially strapped Ham with some suggestions.
>
> Thanks in Advance!
>
> The eCaveMan
>
>




From -779392021796113536
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bd14070323f576e1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,bd14070323f576e1
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,bd14070323f576e1
X-Google-Attributes: gid114a57,public
X-Google-Thread: f55c2,bd14070323f576e1
X-Google-Attributes: gidf55c2,public
X-Google-Thread: f7810,bd14070323f576e1
X-Google-Attributes: gidf7810,public
X-Google-Thread: fa656,bd14070323f576e1
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,bd14070323f576e1
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 2003-04-11 20:32:05 PST
Path: archiver1.google.com!news1.google.com!sn-xit-03!sn-xit-06!sn-xit-09!
supernews.com!news.maxwell.syr.edu!newsfeed.icl.net!newsfeed.fjserv.net!
newsfeed.arcor-online.net!newsfeed.r-kom.de!newsfeed.stueberl.de!cox.net!
border3.nntp.aus1.giganews.com!nntp.giganews.com!nntp3.aus1.giganews.com!
nntp.comcast.com!news.comcast.com.POSTED!not-for-mail
NNTP-Posting-Date: Fri, 11 Apr 2003 22:30:13 -0500
```

From: "Steve KA4TMB" <sheyde@comcast.net>
Newsgroups: alt.ham-radio,alt.ham-radio.dxing,alt.ham-radio.hf,alt.ham-radio.mods,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc
References: <eHIla.44467$Xd1.14059444@news4.srv.hcvlny.cv.net>
<v9er8aj0ocli74@corp.supernews.com>
Subject: Re: Need some help!
Date: Fri, 11 Apr 2003 23:30:15 -0400
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <WomcnW7y8KTYFQqjXTWcrg@comcast.com>
Lines: 49
NNTP-Posting-Host: 68.48.127.179
X-Trace: sv3-MkQZW0mvKaorf2R95kZTxBd+znNOQFW/PMeWbPx0UyLptytAjtg8vA1XY/mZUTp42904ZQVKFDNRAdt!8ASkGlyqkPXfyUTlpFVyszAhCEIDe2M8PERc2GOjV+Oj3gtafZRm/ggjP1mKYg==
X-Complaints-To: abuse@comcast.net
X-DMCA-Complaints-To: dmca@comcast.net
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint properly
X-Postfilter: 1.1
Xref: archiver1.google.com alt.ham-radio.hf:3108 alt.ham-radio.mods:2462 rec.radio.amateur:5178 rec.radio.amateur.misc:39057

I agree with Mark, but want to take it one step further. If the problem is NOT in the SSB mode, try CW mode with the key down momentarily. Don't forget to increase the RF gain (more power) to see if the rig will give you a solid output level.

Steve KA4TMB

"MH" <hald@charter.net> wrote in message news:v9er8aj0ocli74@corp.supernews.com...
> I'm not sure I understand your symptoms/observations correctly, however, are
> you sure it's not working correctly? What you describe regarding whistling
> or tapping the mic causing meter deflection sounds fairly normal for SSB
> operation - i.e., no output until audio is provided from the mic.
>
> regards,
>
> mark
>
>   ab1x
>
>
> "eCaVeMaN" <me@home.com> wrote in message
> news:eHIla.44467$Xd1.14059444@news4.srv.hcvlny.cv.net...
> > Hello All!
> >
> > I have a problem I'm hoping someone can help me with.
> >

```
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> > that i found during a search but that didnt help ( and the problem isnt
> > intermittent).
> >
> > Can someone steer a financially strapped Ham with some suggestions.
> >
> > Thanks in Advance!
> >
> > The eCaveMan
> >
> >
>
>
```

```
From 7400871842776574217
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bd14070323f576e1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f55c2,bd14070323f576e1
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 10ed5f,bd14070323f576e1
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,bd14070323f576e1
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,bd14070323f576e1
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,bd14070323f576e1
X-Google-Attributes: gidfa656,public
X-Google-Thread: f7810,bd14070323f576e1
X-Google-Attributes: gidf7810,public
X-Google-ArrivalTime: 2003-04-12 03:37:47 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-06!sn-xit-08!
supernews.com!newsfeed.news2me.com!newsfeed2.easynews.com!newsfeed1.easynews.com!
easynews.com!easynews!news-west.rr.com!news-east.rr.com!news01.optonline.net!
news4.srv.hcvlny.cv.net.POSTED!not-for-mail
From: "eCaVeMaN" <me@home.com>
Newsgroups: alt.ham-radio,alt.ham-radio.dxing,alt.ham-radio.hf,alt.ham-
radio.mods,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc
References: <eHIla.44467$Xd1.14059444@news4.srv.hcvlny.cv.net>
Subject: Re: Need some help!
Lines: 38
```

X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <YYRla.47596$Xd1.15610708@news4.srv.hcvlny.cv.net>
Date: Sat, 12 Apr 2003 10:34:32 GMT
NNTP-Posting-Host: 67.87.79.65
X-Trace: news4.srv.hcvlny.cv.net 1050143672 67.87.79.65 (Sat, 12 Apr 2003 06:34:32 EDT)
NNTP-Posting-Date: Sat, 12 Apr 2003 06:34:32 EDT
Organization: Optimum Online
Xref: archiver1.google.com alt.ham-radio.hf:3112 alt.ham-radio.mods:2463 rec.radio.amateur:5180 rec.radio.amateur.misc:39065

Sorry about the desription of symptoms....
If I try to speak there is no meter deflection , only if i tap on the microphone or whistle will the meter deflect....NOTHING if I speak ! and there seems to be no transmit unless i tap on the microphone and then it only deflects for the duration of the tap. I have looked in the mike and all connections seem OK.

Any ideas?

"eCaVeMaN" <me@home.com> wrote in message
news:eHIla.44467$Xd1.14059444@news4.srv.hcvlny.cv.net...
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> I have a problem I'm hoping someone can help me with.
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so
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>
> The eCaveMan
>
>

From -1848324300949828940
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bd14070323f576e1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,bd14070323f576e1
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,bd14070323f576e1
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,bd14070323f576e1
X-Google-Attributes: gidfa656,public
X-Google-Thread: f7810,bd14070323f576e1
X-Google-Attributes: gidf7810,public
X-Google-Thread: f55c2,bd14070323f576e1
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 10ed5f,bd14070323f576e1
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2003-04-12 05:12:09 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-04!sn-xit-03!sn-xit-01!sn-xit-09!supernews.com!news.maxwell.syr.edu!surfnet.nl!newsfeed.wxs.nl!textnews.wxs.nl!not-for-mail
From: Peter <pse@stop.com>
Newsgroups: alt.ham-radio,alt.ham-radio.dxing,alt.ham-radio.hf,alt.ham-radio.mods,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc
Subject: Re: Need some help!
Date: Sat, 12 Apr 2003 11:56:05 +0000
Organization: Your welcome at http://www.pi4cc.nl
Lines: 15
Message-ID: <3E97FED4.C94970BA@stop.com>
References: <eHIla.44467$Xd1.14059444@news4.srv.hcvlny.cv.net> <YYRla.47596$Xd1.15610708@news4.srv.hcvlny.cv.net>
NNTP-Posting-Host: ipd50a305b.speed.planet.nl
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: reader08.wxs.nl 1050148554 28775 213.10.48.91 (12 Apr 2003 11:55:54 GMT)
X-Complaints-To: abuse@planet.nl
NNTP-Posting-Date: 12 Apr 2003 11:55:54 GMT
X-Mailer: Mozilla 4.74 [en] (Win98; U)
X-Accept-Language: en
Xref: archiver1.google.com alt.ham-radio.hf:3114 alt.ham-radio.mods:2464 rec.radio.amateur:5181 rec.radio.amateur.misc:39067

And how is the mic pot meter. Turn it full with the clock. And is the processor turn on?

peter

> If I try to speak there is no meter deflection , only if i tap on the microphone or whistle will the meter deflect....NOTHING if I speak ! and there seems to be no transmit unless i tap on the microphone and then it only deflects for the duration of the tap. I have looked in the mike and all connections seem OK.

--
Internet DX-cluster telnet://dxc.pi4cc.net
DX-cluster info http://www.pi4cc.nl/dxcluster

From -6028215583996512678
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bd14070323f576e1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f55c2,bd14070323f576e1
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 10ed5f,bd14070323f576e1
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f7810,bd14070323f576e1
X-Google-Attributes: gidf7810,public
X-Google-Thread: 107ada,bd14070323f576e1
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,bd14070323f576e1
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,bd14070323f576e1
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2003-04-12 05:13:13 PST
Path: archiver1.google.com!news1.google.com!sn-xit-03!sn-xit-06!sn-xit-08!
supernews.com!64.152.100.70.MISMATCH!sjc70.webusenet.com!chi1.webusenet.com!
news.webusenet.com!newsfeed-east.nntpserver.com!nntpserver.com!
news.sprintnetops.net!news.cse.sc.edu!ken-transit.news.telstra.net!
news.telstra.net!newsfeeds.bigpond.com!not-for-mail
From: "Matt" <piss.off@spammers.com>
Newsgroups: alt.ham-radio,alt.ham-radio.dxing,alt.ham-radio.hf,alt.ham-radio.mods,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc
References: <eHIla.44467$Xd1.14059444@news4.srv.hcvlny.cv.net>
<YYRla.47596$Xd1.15610708@news4.srv.hcvlny.cv.net>
Subject: Re: Need some help!
Lines: 61
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <t8Tla.12697$1s1.207911@newsfeeds.bigpond.com>
Date: Sat, 12 Apr 2003 22:06:48 +1000
NNTP-Posting-Host: 144.134.117.159
X-Trace: newsfeeds.bigpond.com 1050148505 144.134.117.159 (Sat, 12 Apr 2003 21:55:05 EST)
NNTP-Posting-Date: Sat, 12 Apr 2003 21:55:05 EST
Organization: Telstra BigPond Internet Services (http://www.bigpond.com)
Xref: archiver1.google.com alt.ham-radio.hf:3116 alt.ham-radio.mods:2465
rec.radio.amateur:5182 rec.radio.amateur.misc:39068

Have you only tried SSB - or have you also tried AM/CW or FM? If the radio still doesn't transmit with any of these, then it may well be more than a bad mic. If there is a carrier, try monitoring your signal and see if there is any audio - if none, then you have a pretty good idea that the problem is on the audio line, and from your description, it could well be in the microphone - having said that, there could well be other probems internal to the radio.

Matt

"eCaVeMaN" <me@home.com> wrote in message
news:YYRla.47596$Xd1.15610708@news4.srv.hcvlny.cv.net...
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> > then this started the other day. I tried the mod for intemittent TX
power
> > that i found during a search but that didnt help (and the problem isnt
> > intermittent).
> >
> > Can someone steer a financially strapped Ham with some suggestions.
> >
> > Thanks in Advance!
> >
> > The eCaveMan

```
> >
> >
>
>
```

```
From -2392490556207331926
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7d3ad528fe4ba03a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7d3ad528fe4ba03a,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,7d3ad528fe4ba03a,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,7d3ad528fe4ba03a,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2003-05-10 17:56:37 PST
From: ve3sjv@rac.ca (John Lindsay)
Message-ID: <d03iZwcXbXOo-pn2-T9OHOXEmTmdP@localhost>
Newsgroups: alt.ham-
radio.hf,rec.radio.amateur.equipment,rec.radio.amateur,rec.ham-radio
Subject: Tranciever comparison chart
User-Agent: ProNews/2 V1.52.cp012
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 8bit
NNTP-Posting-Host: p202xjl1ll.dsl2.sentex.ca
Date: 10 May 2003 20:56:36 -0400
X-Trace: news.sentex.net 1052614596 p202xjl1ll.dsl2.sentex.ca (10 May 2003
20:56:36 -0400)
Lines: 12
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!cyclone.bc.net!
newsfeed.telusplanet.net!newsfeed.on.tac.net!news.sentex.net!not-for-mail
Xref: archiver1.google.com alt.ham-radio.hf:3207 rec.radio.amateur.equipment:42563
rec.radio.amateur:5231
```

-- I vaguely seem to remember seeing a Tranciever comparison chart in one of the magazines. Can someone tell me which mag/issue? Or is there a web chart somewher? It's time to look for a new toy for the shack. The ancient and venerable TS440 works great but for how long is another matters. (2nd hand to me in 1990).

Thanks

John
ve3sjv@rac.ca

```
From -3337610893776951979
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7d3ad528fe4ba03a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7d3ad528fe4ba03a
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,7d3ad528fe4ba03a
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,7d3ad528fe4ba03a
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2003-05-11 03:09:19 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!logbridge.uoregon.edu!news.telebyte.nl!nntpfeed-01.ops.asmr-01.energis-idc.net!nntpfeed-01.ops.asmr-01.energis-idc.net!newsfeed.kabelfoon.nl!195.129.110.21.MISMATCH!bnewsfeed00.bru.ops.eu.uu.net!bnewsinpeer00.bru.ops.eu.uu.net!emea.uu.net!tornado.fastwebnet.it!not-for-mail
Reply-To: "Paolo Odone" <paolo@odone.it>
From: "Paolo Odone" <paolo@odone.it>
Newsgroups: alt.ham-radio.hf,rec.radio.amateur.equipment,rec.radio.amateur,rec.ham-radio
References: <d03iZwcXbXOo-pn2-T9OHOXEmTmdP@localhost>
Subject: Re: Tranciever comparison chart
Lines: 21
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <hjpva.47265$DN.1158493@tornado.fastwebnet.it>
Date: Sun, 11 May 2003 12:09:09 +0200
NNTP-Posting-Host: 5.1.168.33
X-Complaints-To: newsmaster@fastweb.it
X-Trace: tornado.fastwebnet.it 1052647757 5.1.168.33 (Sun, 11 May 2003 12:09:17 MET DST)
NNTP-Posting-Date: Sun, 11 May 2003 12:09:17 MET DST
Xref: archiver1.google.com alt.ham-radio.hf:3208 rec.radio.amateur.equipment:42578 rec.radio.amateur:5232

Try
http://www.elecraft.com/index.htm

Paul

"John Lindsay" <ve3sjv@rac.ca> ha scritto nel messaggio
news:d03iZwcXbXOo-pn2-T9OHOXEmTmdP@localhost...
>
> -- I vaguely seem to remember seeing a Tranciever comparison chart in
> one of the magazines. Can someone tell me which mag/issue? Or is there
> a web chart somewher? It's time to look for a new toy for the shack.
> The ancient and venerable TS440 works great but for how long is
> another matters. (2nd hand to me in 1990).
>
> Thanks
>
> John

> ve3sjv@rac.ca
>

```
From -2982632334756462101
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,35ed4b92523e7399,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f8110,35ed4b92523e7399,start
X-Google-Attributes: gidf8110,public
X-Google-Thread: 1159d0,35ed4b92523e7399,start
X-Google-Attributes: gid1159d0,public
X-Google-Thread: fddbf,35ed4b92523e7399,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 102426,35ed4b92523e7399,start
X-Google-Attributes: gid102426,public
X-Google-Thread: 107373,35ed4b92523e7399,start
X-Google-Attributes: gid107373,public
X-Google-Thread: 10ddf1,35ed4b92523e7399,start
X-Google-Attributes: gid10ddf1,public
X-Google-Thread: f76e2,35ed4b92523e7399,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2003-05-19 17:03:42 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-03!sn-xit-01!sn-
xit-09!supernews.com!newshosting.com!news-xfer2.atl.newshosting.com!
newsfeed.mountaincable.net!cyclone01.bloor.is.net.cable.rogers.com!
news01.bloor.is.net.cable.rogers.com.POSTED!not-for-mail
From: "gstamand" <gstd223aman@rogers.com>
Newsgroups: japan.ham-radio,japan.ham-radio.dxcc,rec.ham-radio,rec.ham-
radio.packet,rec.ham-
radio.swap,rec.radio.swapmeet.hamcomm.tailgate.parties,relcom.radio.ham,sfnet.harr
astus.radio.ham
Subject: check out our homepage, Owen Sound, Ontario, CANADA
Lines: 6
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <iheya.244827$kYH.21174@news01.bloor.is.net.cable.rogers.com>
Date: Tue, 20 May 2003 00:03:26 GMT
NNTP-Posting-Host: 24.192.100.227
X-Complaints-To: abuse@rogers.com
X-Trace: news01.bloor.is.net.cable.rogers.com 1053389006 24.192.100.227 (Mon, 19
May 2003 20:03:26 EDT)
NNTP-Posting-Date: Mon, 19 May 2003 20:03:26 EDT
Xref: archiver1.google.com japan.ham-radio:344 japan.ham-radio.dxcc:164 rec.ham-
radio.swap:2869 relcom.radio.ham:292 sfnet.harrastus.radio.ham:8911
```

http://greynet.net/~gbarc/

```
From 5593842140880874605
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cecb6f73a9db5513,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,cecb6f73a9db5513,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,cecb6f73a9db5513,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f7653,cecb6f73a9db5513,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: fb049,cecb6f73a9db5513,start
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2003-05-27 19:41:09 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
news.uchicago.edu!news-hog.berkeley.edu!ucberkeley!enews.sgi.com!prodigy.com!
newsmst01.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr32.news.prodigy.com.POSTED!42e4f0ac!not-for-mail
From: <olllllllo@sbcglobal.net>
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.digital.misc
Subject: Opinions on service for Alinco DR-570
Lines: 25
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <XkVAa.106$aa7.73@newssvr32.news.prodigy.com>
NNTP-Posting-Host: 67.66.27.232
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr32.news.prodigy.com 1054089655 ST000 67.66.27.232 (Tue, 27 May
2003 22:40:55 EDT)
NNTP-Posting-Date: Tue, 27 May 2003 22:40:55 EDT
Organization: Prodigy Internet http://www.prodigy.com
X-UserInfo1:
FKPO@SZDYBUKBPXXBBHZOFXBWR\HPCTL@XT^OBPLAH[\BQUBLNTC@AWZWDXZXQ[K\FFSKCVM@F_N_DOBWV
WG__LG@VVOIPLIGX\
\BU_B@\P\PFX\B[APHTWAHDCKJF^NHD[YJAZMCY_CWG[SX\Y]^KC\HSZRWSWKGAY_PC[BQ[BXAS\F\
\@DMTLFZFUE@\VL
Date: Wed, 28 May 2003 02:40:55 GMT
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:16378 rec.radio.amateur:5295
rec.radio.amateur.equipment:43041 rec.radio.amateur.digital.misc:7525
```

Hello--

I have an Alinco DR-570 2m/70cm radio that,
when transmitting on high power, the display
will dim to arond 50% brightness, and the power
output meter will quickly go full scale, then drop

to zero, then go full scale--repeatedly.

I believe that the radio is trying to protect itself
from damage.

On low power, all seems well, except that the
display dims more than I seem to remember it
dimming during transmit.

Does anyone have knowledge of a good place to
send it for analysis and/or repair? It is approx 10
years old, so I have to consider the cost of a new
radio over the cost of repairing this one.

Thanks for any helpful input!

73

From -1107513181795037686
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cecb6f73a9db5513
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,cecb6f73a9db5513
X-Google-Attributes: gid108122,public
X-Google-Thread: fb049,cecb6f73a9db5513
X-Google-Attributes: gidfb049,public
X-Google-Thread: f7653,cecb6f73a9db5513
X-Google-Attributes: gidf7653,public
X-Google-Thread: fa656,cecb6f73a9db5513
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2003-05-27 19:59:29 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
logbridge.uoregon.edu!arclight.uoregon.edu!wn13feed!wn12feed!worldnet.att.net!
199.45.49.37!cyclone1.gnilink.net!spamkiller.gnilink.net!
nwrddc02.gnilink.net.POSTED!51a7f44b!not-for-mail
Reply-To: "Clif Holland" <clif@avvid.com>
From: "Clif Holland" <radio.service@verizon.net>
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.digital.misc
References: <XkVAa.106$aa7.73@newssvr32.news.prodigy.com>
Subject: Re: Opinions on service for Alinco DR-570
Lines: 40
Organization: AVVid
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <jCVAa.17469$8i4.8951@nwrddc02.gnilink.net>
Date: Wed, 28 May 2003 02:59:27 GMT
NNTP-Posting-Host: 4.60.253.138
X-Complaints-To: abuse@verizon.net
X-Trace: nwrddc02.gnilink.net 1054090767 4.60.253.138 (Tue, 27 May 2003 22:59:27

EDT)
NNTP-Posting-Date: Tue, 27 May 2003 22:59:27 EDT
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:16379 rec.radio.amateur:5297 rec.radio.amateur.equipment:43042 rec.radio.amateur.digital.misc:7526

You don't have enough current going to the radio. Too small of wire or plugged into the cigarette lighter jack...

--
Clif Holland, KA5IPF
AVVid
Authorized Kenwood and Icom Amateur Service
www.avvid.com
1-800-214-5779

<ollllllo@sbcglobal.net> wrote in message news:XkVAa.106$aa7.73@newssvr32.news.prodigy.com...

> Hello--
>
> I have an Alinco DR-570 2m/70cm radio that, when transmitting on high power, the display will dim to arond 50% brightness, and the power output meter will quickly go full scale, then drop to zero, then go full scale--repeatedly.
>
> I believe that the radio is trying to protect itself from damage.
>
> On low power, all seems well, except that the display dims more than I seem to remember it dimming during transmit.
>
> Does anyone have knowledge of a good place to send it for analysis and/or repair? It is approx 10 years old, so I have to consider the cost of a new radio over the cost of repairing this one.
>
> Thanks for any helpful input!
>
> 73

From 3639640266077014027
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cecb6f73a9db5513
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,cecb6f73a9db5513
X-Google-Attributes: gid108122,public

```
X-Google-Thread: fb049,cecb6f73a9db5513
X-Google-Attributes: gidfb049,public
X-Google-Thread: f7653,cecb6f73a9db5513
X-Google-Attributes: gidf7653,public
X-Google-Thread: fa656,cecb6f73a9db5513
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2003-05-27 20:26:06 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!nntp.cs.ubc.ca!
cyclone.bc.net!sjc70.webusenet.com!news.webusenet.com!pd2nf1so.cg.shawcable.net!
residential.shaw.ca!prodigy.com!newsmst01.news.prodigy.com!prodigy.com!
postmaster.news.prodigy.com!newssvr32.news.prodigy.com.POSTED!42e4f0ac!not-for-
mail
From: <olllllllo@sbcglobal.net>
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.digital.misc
References: <XkVAa.106$aa7.73@newssvr32.news.prodigy.com>
<jCVAa.17469$8i4.8951@nwrddc02.gnilink.net>
Subject: Re: Opinions on service for Alinco DR-570
Lines: 61
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <8%VAa.128$Gh5.75@newssvr32.news.prodigy.com>
NNTP-Posting-Host: 67.66.27.232
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr32.news.prodigy.com 1054092356 ST000 67.66.27.232 (Tue, 27 May
2003 23:25:56 EDT)
NNTP-Posting-Date: Tue, 27 May 2003 23:25:56 EDT
Organization: Prodigy Internet http://www.prodigy.com
X-UserInfo1:
[[PGWYWDYBUKBPXXBZHD]_\@VR]^@B@MCPWZKB]MPXHZUYICD^RAQBKZQTZTX\_I[^G_KGFNON[ZOE_AZN
VO^\XGGNTCIRPIJH[@RQKBXLRZ@CD^HKANYVW@RLGEZEJN@\_WZJBNZYYKVIOR]T]MNMG_Z[YVWSCH_Q[G
PC_A@CARQVXDSDA^M]@DRVUM@RBM
Date: Wed, 28 May 2003 03:25:56 GMT
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:16381 rec.radio.amateur:5299
rec.radio.amateur.equipment:43043 rec.radio.amateur.digital.misc:7527
```

Clif--

You are 100% correct.

I took your advice, and looked more closely at the cabling,
and sure enough, I used a power pigtail that appeared to be
the same guage as my other red/black power cables, except
it wasn't...the insulation was just thicker.

Thanks for the heads-up.

This should be enough motivation for me to solder on all of
the Anderson PowerPole connectors I received, and do it
to the kit's heavy guage wire.

Thanks, and 73.

```
"Clif Holland" <radio.service@verizon.net> wrote in message
news:jCVAa.17469$8i4.8951@nwrddc02.gnilink.net...
> You don't have enough current going to the radio. Too small of wire or
> plugged into the cigarette lighter jack...
>
> --
> Clif Holland, KA5IPF
> AVVid
> Authorized Kenwood and Icom Amateur Service
> www.avvid.com
> 1-800-214-5779
>
>
> <olllllllo@sbcglobal.net> wrote in message
> news:XkVAa.106$aa7.73@newssvr32.news.prodigy.com...
> > Hello--
> >
> > I have an Alinco DR-570 2m/70cm radio that,
> > when transmitting on high power, the display
> > will dim to arond 50% brightness, and the power
> > output meter will quickly go full scale, then drop
> > to zero, then go full scale--repeatedly.
> >
> > I believe that the radio is trying to protect itself
> > from damage.
> >
> > On low power, all seems well, except that the
> > display dims more than I seem to remember it
> > dimming during transmit.
> >
> > Does anyone have knowledge of a good place to
> > send it for analysis and/or repair? It is approx 10
> > years old, so I have to consider the cost of a new
> > radio over the cost of repairing this one.
> >
> > Thanks for any helpful input!
> >
> > 73
> >
> >
>
>




From -5601284238915314779
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cecb6f73a9db5513
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,cecb6f73a9db5513
X-Google-Attributes: gid108122,public
X-Google-Thread: fb049,cecb6f73a9db5513
```

```
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa656,cecb6f73a9db5513
X-Google-Attributes: gidfa656,public
X-Google-Thread: f7653,cecb6f73a9db5513
X-Google-Attributes: gidf7653,public
X-Google-ArrivalTime: 2003-05-27 20:49:33 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
logbridge.uoregon.edu!arclight.uoregon.edu!wn13feed!worldnet.att.net!
216.166.71.14!border3.nntp.aus1.giganews.com!nntp.giganews.com!
nntp3.aus1.giganews.com!nntp.vnet-inc.com!news.vnet-inc.com.POSTED!not-for-mail
NNTP-Posting-Date: Tue, 27 May 2003 22:49:34 -0500
From: "\"Sparky\"" <sparks@nospam.com>
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.digital.misc
References: <XkVAa.106$aa7.73@newssvr32.news.prodigy.com>
Subject: Re: Opinions on service for Alinco DR-570
Date: Tue, 27 May 2003 20:35:16 -0600
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <t8icnU10K6VSrEmjXTWcpA@vnet-inc.com>
Lines: 35
NNTP-Posting-Host: 216.129.234.13
X-Trace: sv3-X9nG/
m9dtL4bccwkQaFUDTzxlGeSxkuzLU66jAchIbb+vzUIJkLVvaaQCMnr3c6wk1kOJ2W6wV7gufj!
UvdzrTG2DMRKqvWQ7iL/koRB56GPnOYLppBzhYHWi5dSwIM60WO0Wan31N6gXcJsBNRs36b7s4lY!ZSk=
X-Complaints-To: abuse@vnet-inc.com
X-DMCA-Complaints-To: abuse@vnet-inc.com
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint
properly
X-Postfilter: 1.1
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:16382 rec.radio.amateur:5300
rec.radio.amateur.equipment:43045 rec.radio.amateur.digital.misc:7528
```

How are you powering your radio? If from an AC power supply, you may
have a failing power supply. Your display's brightness shouldn't
change at all regardless of your transmit power setting.

73, Sam

<olllllllo@sbcglobal.net> wrote in message
news:XkVAa.106$aa7.73@newssvr32.news.prodigy.com...

| Hello--
|
| I have an Alinco DR-570 2m/70cm radio that,
| when transmitting on high power, the display
| will dim to arond 50% brightness, and the power
| output meter will quickly go full scale, then drop
| to zero, then go full scale--repeatedly.
|
| I believe that the radio is trying to protect itself

| from damage.
|
| On low power, all seems well, except that the
| display dims more than I seem to remember it
| dimming during transmit.
|
| Does anyone have knowledge of a good place to
| send it for analysis and/or repair? It is approx 10
| years old, so I have to consider the cost of a new
| radio over the cost of repairing this one.
|
| Thanks for any helpful input!
|
| 73
|
|

```
From 7747026052057535667
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cecb6f73a9db5513
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,cecb6f73a9db5513
X-Google-Attributes: gid108122,public
X-Google-Thread: fb049,cecb6f73a9db5513
X-Google-Attributes: gidfb049,public
X-Google-Thread: f7653,cecb6f73a9db5513
X-Google-Attributes: gidf7653,public
X-Google-Thread: fa656,cecb6f73a9db5513
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2003-05-27 21:55:25 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
headwall.stanford.edu!newshub.sdsu.edu!cox.net!news-xfer.cox.net!p01!
news1.east.cox.net.POSTED!53ab2750!not-for-mail
From: "Jim Hale" <jhale240@cox.net>
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.digital.misc
References: <XkVAa.106$aa7.73@newssvr32.news.prodigy.com>
Subject: Re: Opinions on service for Alinco DR-570
Lines: 19
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <%iXAa.115724$823.17923@news1.east.cox.net>
Date: Wed, 28 May 2003 04:55:23 GMT
NNTP-Posting-Host: 68.12.191.236
X-Complaints-To: abuse@cox.net
X-Trace: news1.east.cox.net 1054097723 68.12.191.236 (Wed, 28 May 2003 00:55:23
EDT)
NNTP-Posting-Date: Wed, 28 May 2003 00:55:23 EDT
```

Organization: Cox Communications
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:16387 rec.radio.amateur:5301 rec.radio.amateur.equipment:43046 rec.radio.amateur.digital.misc:7529

> I have an Alinco DR-570 2m/70cm radio that,
> when transmitting on high power, the display
> will dim to arond 50% brightness, and the power
> output meter will quickly go full scale, then drop
> to zero, then go full scale--repeatedly.
>
> Does anyone have knowledge of a good place to
> send it for analysis and/or repair?

I realize you found the problem, but the answer to your question is:

http://www.therfshop.com/

I also have a DR-570, and Randy fixed my dead display.

Randy does FAST quality work. He had my radio back before
I even missed it.

From -5027559639426933925
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f1e79b4a7ca44055,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,f1e79b4a7ca44055,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,f1e79b4a7ca44055,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,f1e79b4a7ca44055,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,f1e79b4a7ca44055,start
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2003-06-03 21:49:06 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!logbridge.uoregon.edu!nntp-server.caltech.edu!attla2!ip.att.net!attbi_feed3!attbi.com!rwcrnsc52.ops.asp.att.net.POSTED!not-for-mail
From: "Carl Walthall" <motorola1@insightbb.com>
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap
Subject: FA many things
Lines: 47
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <5TeDa.35274$DV.61419@rwcrnsc52.ops.asp.att.net>
NNTP-Posting-Host: 12.221.199.59

X-Complaints-To: abuse@insightbb.com
X-Trace: rwcrnsc52.ops.asp.att.net 1054702145 12.221.199.59 (Wed, 04 Jun 2003 04:49:05 GMT)
NNTP-Posting-Date: Wed, 04 Jun 2003 04:49:05 GMT
Organization: Insight Broadband
Date: Wed, 04 Jun 2003 04:49:05 GMT
Xref: archiver1.google.com rec.ham-radio.swap:2919 rec.radio.amateur.equipment:43213 rec.radio.amateur.misc:40521 rec.radio.amateur.swap:4439

Motorola Rib and computer

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=2535529517&category=25300&rd=1

Kepco Power Supply

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=2535531277&category=11772&rd=1

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=2535531312&category=11772&rd=1

Motorola HC12 Eval board

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=3028049714&category=4671&rd=1

Motorola Mcore Eval board

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=3028050038&category=4671&rd=1

Tek Scope

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=3028050954&category=4671&rd=1

Bird Watt meter

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=3028051425&category=4671&rd=1

RG-142U coax

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewIem&item=3028052546&category=4672&rd=1

Heliax Superflexible coax

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=3028052771&category=4672&rd=1

Motorola SM120

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=2535790639&category=4669&rd=1

Motorola Radius P110's and SM50

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=2535796779&category=4669&rd=1

```
From -1842285188935123089
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20a1097655b32ed9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,20a1097655b32ed9,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1009ad,20a1097655b32ed9,start
X-Google-Attributes: gid1009ad,public
X-Google-ArrivalTime: 2003-06-18 19:48:19 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed-east.nntpserver.com!
nntpserver.com!feed.cgocable.net!read2.cgocable.net.POSTED!53ab2750!not-for-mail
From: "JR" <rss8000@yahoo.com>
Newsgroups: alt.radio.scanner,rec.radio.scanner,rec.ham-radio
Subject: beware of scammer  SIMON S CHANG in vancouver canada
Lines: 9
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MIMEOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Message-ID: <Lv9Ia.34910$b67.4315366@read2.cgocable.net>
Date: Wed, 18 Jun 2003 22:49:18 -0400
NNTP-Posting-Host: 24.141.180.15
X-Complaints-To: abuse@cogeco.ca
X-Trace: read2.cgocable.net 1055990891 24.141.180.15 (Wed, 18 Jun 2003 22:48:11
EDT)
NNTP-Posting-Date: Wed, 18 Jun 2003 22:48:11 EDT
Organization: Cogeco Cable
Xref: archiver1.google.com alt.radio.scanner:42071 rec.radio.scanner:55594
```

beware of Simon S chang from vancouver (604) 889-2287   he is a scam
artist.
and will have you mail him payment with leaving the name blank on the check.

he uses aliases like john law.   he is on ebay as   brabus 430

```
From -9221899836754789511
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84dfe411311a0127,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,84dfe411311a0127,start
X-Google-Attributes: gid108122,public
```

```
X-Google-Thread: 1031c8,84dfe411311a0127,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fe150,84dfe411311a0127,start
X-Google-Attributes: gidfe150,public
X-Google-Thread: f76e2,84dfe411311a0127,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2003-06-18 20:29:13 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!peernews-us.colt.net!
newsfeed.news2me.com!feed.cgocable.net!read1.cgocable.net.POSTED!53ab2750!not-for-
mail
From: "JR" <rss8000@yahoo.com>
Newsgroups: nl.radio.scanners,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap
Subject: beware of simon c cheng of vancouver canada
Lines: 9
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MIMEOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Message-ID: <Y1aIa.14687$h7.1657764@read1.cgocable.net>
Date: Wed, 18 Jun 2003 23:20:39 -0400
NNTP-Posting-Host: 24.141.180.15
X-Complaints-To: abuse@cogeco.ca
X-Trace: read1.cgocable.net 1055993080 24.141.180.15 (Wed, 18 Jun 2003 23:24:40
EDT)
NNTP-Posting-Date: Wed, 18 Jun 2003 23:24:40 EDT
Organization: Cogeco Cable
Xref: archiver1.google.com nl.radio.scanners:57795 rec.ham-radio.swap:2971
rec.radio.amateur.equipment:43703 rec.radio.amateur.swap:4491
```

this guy is a scam artist , do not buy any amateur radio
equipment from him

his ebay id is   brabus 430

his phone number is 604-889-2287

```
From 4462187712734410042
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,786d610d8e06df1a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,786d610d8e06df1a,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 1159d0,786d610d8e06df1a,start
X-Google-Attributes: gid1159d0,public
X-Google-Thread: f76e2,786d610d8e06df1a,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 102426,786d610d8e06df1a,start
```

```
X-Google-Attributes: gid102426,public
X-Google-Thread: 10ddf1,786d610d8e06df1a,start
X-Google-Attributes: gid10ddf1,public
X-Google-Thread: 107373,786d610d8e06df1a,start
X-Google-Attributes: gid107373,public
X-Google-ArrivalTime: 2003-07-10 17:49:56 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-04!sn-xit-06!sn-
xit-08!sn-xit-09!supernews.com!64.152.100.70.MISMATCH!sjc70.webusenet.com!
news.webusenet.com!cyclone01.bloor.is.net.cable.rogers.com!
news01.bloor.is.net.cable.rogers.com.POSTED!not-for-mail
From: "tre" <ve3tsa@hotmail.com>
Newsgroups: japan.ham-radio.dxcc,rec.ham-radio,rec.ham-radio.packet,rec.ham-
radio.swap,rec.radio.swapmeet.hamcomm.tailgate.parties,relcom.radio.ham,sfnet.harr
astus.radio.ham
Subject: check out our web page
Lines: 3
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <RQnPa.117847$2ay.48394@news01.bloor.is.net.cable.rogers.com>
Date: Fri, 11 Jul 2003 00:49:53 GMT
NNTP-Posting-Host: 24.192.100.227
X-Complaints-To: abuse@rogers.com
X-Trace: news01.bloor.is.net.cable.rogers.com 1057884593 24.192.100.227 (Thu, 10
Jul 2003 20:49:53 EDT)
NNTP-Posting-Date: Thu, 10 Jul 2003 20:49:53 EDT
Xref: archiver1.google.com japan.ham-radio.dxcc:174 rec.ham-radio.swap:3026
relcom.radio.ham:305 sfnet.harrastus.radio.ham:9246

http://greynet.net/~gbarc/




From -938853481150515914
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c48bec8dfa0fccd1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105955,c48bec8dfa0fccd1,start
X-Google-Attributes: gid105955,public
X-Google-Thread: f55c2,c48bec8dfa0fccd1,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 114671,c48bec8dfa0fccd1,start
X-Google-Attributes: gid114671,public
X-Google-Thread: f76e2,c48bec8dfa0fccd1,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114a57,c48bec8dfa0fccd1,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: f68a8,c48bec8dfa0fccd1,start
X-Google-Attributes: gidf68a8,public
X-Google-ArrivalTime: 2003-07-12 14:14:23 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-06!sn-xit-08!sn-
```

xit-09!supernews.com!64.152.100.70.MISMATCH!sjc70.webusenet.com!news.webusenet.com!feedwest.aleron.net!aleron.net!news.linkpendium.com!ken-transit.news.telstra.net!lon-transit.news.telstra.net!news.telstra.net!news-server.bigpond.net.au!53ab2750!not-for-mail
From: "TS" <tstone12002@yahoo.com.au>
Newsgroups: alt.ham-radio.hf,alt.ham-radio.mods,att.ham-radio,aus.radio.amateur.digital,aus.radio.amateur.misc,rec.ham-radio,rec.ham-radio.swap
Subject: ATN Log periodic
Lines: 24
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <NR_Pa.2174$wU5.390@news-server.bigpond.net.au>
Date: Sat, 12 Jul 2003 21:13:17 GMT
NNTP-Posting-Host: 203.51.73.42
X-Complaints-To: abuse@bigpond.net.au
X-Trace: news-server.bigpond.net.au 1058044397 203.51.73.42 (Sun, 13 Jul 2003 07:13:17 EST)
NNTP-Posting-Date: Sun, 13 Jul 2003 07:13:17 EST
Organization: BigPond Internet Services
Xref: archiver1.google.com alt.ham-radio.hf:3374 alt.ham-radio.mods:2615 aus.radio.amateur.digital:981 aus.radio.amateur.misc:11741 rec.ham-radio.swap:3032

Hi all

Was wondering if there is anyone out there who can help? I have just purchased a 7 element ATN 18-30-7 log periodic that covers 18-30Mhz. I believe there is another ATN aerial with the same boom length of 6 metres that covers 14-30Mhz. I was hoping someone with one of these beasts could advise the element lengths etc so i can convert mine to cover 20metres. I assume i will need to rearrange the elements, drill alternate mounting holes and change some element lengths and make some crossover straps for phasing harnesses but thats just a formality. My aerial comes with a diagram of the element lengths etc so was hoping someone could scan and send. I could start from scratch and try and design a unit but this would save me a heap of time. It appears that ATN is long gone. Any help would be greatly appreciated. I have quite a collection of amateur radio related service manuals in pdf and or jpg format so maybe i can return the favour.

email for reference is tstone12002@yahoo.com.au

Thanks in advance.
Cheers
Tony
VK2TS

From -7978340979446237596
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,c48bec8dfa0fccd1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114671,c48bec8dfa0fccd1
X-Google-Attributes: gid114671,public
X-Google-Thread: 105955,c48bec8dfa0fccd1
X-Google-Attributes: gid105955,public
X-Google-Thread: f76e2,c48bec8dfa0fccd1
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f55c2,c48bec8dfa0fccd1
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 114a57,c48bec8dfa0fccd1
X-Google-Attributes: gid114a57,public
X-Google-Thread: f68a8,c48bec8dfa0fccd1
X-Google-Attributes: gidf68a8,public
X-Google-ArrivalTime: 2003-07-12 16:28:09 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-03!sn-xit-01!sn-xit-05!sn-xit-08!supernews.com!news.tele.dk!news.tele.dk!small.news.tele.dk!newspeer.monmouth.com!203.97.37.7!newsfeeds.ihug.co.nz!ihug.co.nz!ken-transit.news.telstra.net!news.telstra.net!newsfeeds.bigpond.com!not-for-mail
From: "Matt" <piss.off@spammers.com>
Newsgroups: alt.ham-radio.hf,alt.ham-radio.mods,att.ham-radio,aus.radio.amateur.digital,aus.radio.amateur.misc,rec.ham-radio,rec.ham-radio.swap
References: <NR_Pa.2174$wU5.390@news-server.bigpond.net.au>
Subject: Re: ATN Log periodic
Lines: 41
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <CC0Qa.326$k57.11763@newsfeeds.bigpond.com>
Date: Sun, 13 Jul 2003 09:26:28 +1000
NNTP-Posting-Host: 144.138.159.3
X-Trace: newsfeeds.bigpond.com 1058051618 144.138.159.3 (Sun, 13 Jul 2003 09:13:38 EST)
NNTP-Posting-Date: Sun, 13 Jul 2003 09:13:38 EST
Organization: Telstra BigPond Internet Services (http://www.bigpond.com)
Xref: archiver1.google.com alt.ham-radio.hf:3375 alt.ham-radio.mods:2617 aus.radio.amateur.digital:983 aus.radio.amateur.misc:11742 rec.ham-radio.swap:3034

According to their add in AR, ATN are still around, and still in business.
Email address is atnant at iinet.net.au - as sourced from page 54 of this
edition of AR.

Matt

"TS" <tstone12002@yahoo.com.au> wrote in message
news:NR_Pa.2174$wU5.390@news-server.bigpond.net.au...

> Hi all

>
> Was wondering if there is anyone out there who can help? I have just
> purchased a 7 element ATN 18-30-7 log periodic that covers 18-30Mhz. I
> believe there is another ATN aerial with the same boom length of 6 metres
> that covers 14-30Mhz. I was hoping someone with one of these beasts could
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> assume i will need to rearrange the elements, drill alternate mounting
holes
> and change some element lengths and make some crossover straps for phasing
> harnesses but thats just a formality. My aerial comes with a diagram of
the
> element lengths etc so was hoping someone could scan and send. I could
start
> from scratch and try and design a unit but this would save me a heap of
> time. It appears that ATN is long gone. Any help would be greatly
> appreciated. I have quite a collection of amateur radio related service
> manuals in pdf and or jpg format so maybe i can return the favour.
>
> email for reference is tstone12002@yahoo.com.au
>
> Thanks in advance.
> Cheers
> Tony
> VK2TS
>
>

```
From -3128778990109478624
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c48bec8dfa0fccd1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105955,c48bec8dfa0fccd1
X-Google-Attributes: gid105955,public
X-Google-Thread: f55c2,c48bec8dfa0fccd1
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 114a57,c48bec8dfa0fccd1
X-Google-Attributes: gid114a57,public
X-Google-Thread: f76e2,c48bec8dfa0fccd1
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114671,c48bec8dfa0fccd1
X-Google-Attributes: gid114671,public
X-Google-Thread: f68a8,c48bec8dfa0fccd1
X-Google-Attributes: gidf68a8,public
X-Google-ArrivalTime: 2003-07-13 01:12:37 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-04!sn-xit-01!sn-
xit-08!supernews.com!newsfeed1.easynews.com!easynews.com!easynews!news-
out.nuthinbutnews.com!propagator2-sterling!In.nntp.be!newsfeed01.tsnz.net!ken-
transit.news.telstra.net!news.telstra.net!news-server.bigpond.net.au!53ab2750!not-
for-mail
From: "TS" <tstone12002@yahoo.com.au>
```

Newsgroups: alt.ham-radio.hf,alt.ham-radio.mods,att.ham-radio,aus.radio.amateur.digital,aus.radio.amateur.misc,rec.ham-radio,rec.ham-radio.swap
References: <NR_Pa.2174$wU5.390@news-server.bigpond.net.au>
<CC0Qa.326$k57.11763@newsfeeds.bigpond.com>
Subject: Re: ATN Log periodic
Lines: 52
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <jp8Qa.2747$wU5.2210@news-server.bigpond.net.au>
Date: Sun, 13 Jul 2003 08:05:35 GMT
NNTP-Posting-Host: 203.51.73.42
X-Complaints-To: abuse@bigpond.net.au
X-Trace: news-server.bigpond.net.au 1058083535 203.51.73.42 (Sun, 13 Jul 2003 18:05:35 EST)
NNTP-Posting-Date: Sun, 13 Jul 2003 18:05:35 EST
Organization: BigPond Internet Services
Xref: archiver1.google.com alt.ham-radio.hf:3377 alt.ham-radio.mods:2620 aus.radio.amateur.digital:984 aus.radio.amateur.misc:11752 rec.ham-radio.swap:3035

Thanks Matt
Cheers
VK2TS
"Matt" <piss.off@spammers.com> wrote in message
news:CC0Qa.326$k57.11763@newsfeeds.bigpond.com...
> According to their add in AR, ATN are still around, and still in business.
> Email address is atnant at iinet.net.au - as sourced from page 54 of this
> edition of AR.
>
>
>
>
>
> Matt
>
> "TS" <tstone12002@yahoo.com.au> wrote in message
> news:NR_Pa.2174$wU5.390@news-server.bigpond.net.au...
> > Hi all
> >
> > Was wondering if there is anyone out there who can help? I have just
> > purchased a 7 element ATN 18-30-7 log periodic that covers 18-30Mhz. I
> > believe there is another ATN aerial with the same boom length of 6
metres
> > that covers 14-30Mhz. I was hoping someone with one of these beasts
could
> > advise the element lengths etc so i can convert mine to cover 20metres.
I
> > assume i will need to rearrange the elements, drill alternate mounting
> holes
> > and change some element lengths and make some crossover straps for
phasing

```
> > harnesses but thats just a formality. My aerial comes with a diagram of
> the
> > element lengths etc so was hoping someone could scan and send. I could
> start
> > from scratch and try and design a unit but this would save me a heap of
> > time. It appears that ATN is long gone. Any help would be greatly
> > appreciated. I have quite a collection of amateur radio related service
> > manuals in pdf and or jpg format so maybe i can return the favour.
> >
> > email for reference is tstone12002@yahoo.com.au
> >
> > Thanks in advance.
> > Cheers
> > Tony
> > VK2TS
> >
> >
>
>
```

```
From 527792300972060511
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,c14f0539811b79a9,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,c14f0539811b79a9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,c14f0539811b79a9,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10ed5f,c14f0539811b79a9,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2003-07-15 17:30:16 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-04!sn-xit-03!sn-
xit-01!sn-xit-06!sn-xit-08!supernews.com!border3.nntp.aus1.giganews.com!
border1.nntp.aus1.giganews.com!nntp.giganews.com!feed2.news.rcn.net!rcn!
logbridge.uoregon.edu!prodigy.com!newsmst01.news.prodigy.com!prodigy.com!
postmaster.news.prodigy.com!newssvr22.news.prodigy.com.POSTED!34924044!not-for-
mail
From: "Anthony Mikulastik" <wb5tty@hotmail.com>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,rec.ham-radio,rec.ham-
radio.swap
Subject: FS: Yaesu FT-50 Talkies
Lines: 7
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <h41Ra.1028$GI.545@newssvr22.news.prodigy.com>
NNTP-Posting-Host: 64.217.51.95
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr22.news.prodigy.com 1058315661 ST000 64.217.51.95 (Tue, 15 Jul
2003 20:34:21 EDT)
NNTP-Posting-Date: Tue, 15 Jul 2003 20:34:21 EDT
```

Organization: SBC http://yahoo.sbc.com
X-UserInfo1: FKPO@MONBRVYG\X[WBCB^]\@PJ_^PBQLGPQRZ_MHEQR@ETUCCNSKQFCY@TXDX_WHSVB]ZEJLSNY\^J[CUVSA_QLFC^RQHUPH[P[NRWCCMLSNPOD_ESALHUK@TDFUZHBLJ\XGKL^NXA\EVHSP[D_C^B_^JCX^W]CHBAX]POG@SSAZQ\LE[DCNMUPG_VSC@VJM
Date: Wed, 16 Jul 2003 00:34:21 GMT
Xref: archiver1.google.com alt.ham-radio.marketplace:14568 rec.ham-radio.swap:3041

I have 2 very clean Yaesu FT-50 talkies with a NC-50 Dual Slot Rapid Charger (Has the CA-14 Inserts for the FT-50) for sale. The FT-50s are $165 each and the NC-50 Rapid Charger is $79 shipped in USA. I will take $399 for the set of 2 FT-50s and the Rapid Charger. Email Anthony, WB5TTY at wb5tty@hotmail.com .

From 8797637822559335871
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,c385bf39f56282c9,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,c385bf39f56282c9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,c385bf39f56282c9,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,c385bf39f56282c9,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,c385bf39f56282c9,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2003-07-15 17:47:04 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-04!sn-xit-06!sn-xit-09!supernews.com!wn14feed!worldnet.att.net!207.115.63.142!prodigy.com!newsmst01.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!newssvr11.news.prodigy.com.POSTED!not-for-mail
From: "Anthony Mikulastik" <wb5tty@hotmail.com>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.ham-radio.swap
Subject: FS: Yaesu VX-1R Dual Band Micro Talkie
Lines: 5
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <qf1Ra.160$sD5.122058885@newssvr11.news.prodigy.com>
NNTP-Posting-Host: 64.217.51.95
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr11.news.prodigy.com 1058316374 ST000 64.217.51.95 (Tue, 15 Jul 2003 20:46:14 EDT)
NNTP-Posting-Date: Tue, 15 Jul 2003 20:46:14 EDT
Organization: SBC http://yahoo.sbc.com
X-UserInfo1: FKPO@SZGWJC[C\LZN[OJNW@@YJ_ZTB\MV@BT]UEK@YUDUWYAKVUOPCW[ML\JXUCKVFDYZKBMSFX^OMSAFNTINTDDMVW[X\THOPXZRVOCJTUTPC_JSBVX\KAOTBAJBVMZTYAKMNLDI_MFDSSOLXINH__FS^\WQGHGI^C@E[A_CF\AQLDQ\BTMPLDFNVUQ_VM
Date: Wed, 16 Jul 2003 00:46:14 GMT

Xref: archiver1.google.com alt.ham-radio.marketplace:14569 alt.ham-radio.vhf-uhf:18251 rec.ham-radio.swap:3042

I have a very clean Yaesu VX-1R Micro Talkie with 2 Lit-Ion batteries for sale for only $99 shipped in USA. Contact Anthony, WB5TTY at wb5tty@hotmail.com .

From -6236912213790994006
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,78d3ba4177f6065c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,78d3ba4177f6065c,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f4306,78d3ba4177f6065c,start
X-Google-Attributes: gidf4306,public
X-Google-Thread: fddbf,78d3ba4177f6065c,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 2003-07-19 23:20:06 PST
Path: archiver1.google.com!news1.google.com!sn-xit-03!sn-xit-06!sn-xit-08!supernews.com!newsfeed.news2me.com!newsfeed.media.kyoto-u.ac.jp!newsfeed01.tsnz.net!news.xtra.co.nz!53ab2750!not-for-mail
From: "David Holland" <david@innovativecomputer.co.nz>
Newsgroups: alt.ham-radio,alt.ham-radio.packet,rec.ham-radio,rec.ham-radio.packet
Subject: GPS Navigation
Lines: 16
Organization: Innovative Computer Solutions
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <fvqSa.86501$JA5.1781917@news.xtra.co.nz>
Date: Sun, 20 Jul 2003 18:18:49 +1200
NNTP-Posting-Host: 210.86.62.47
X-Complaints-To: newsadmin@xtra.co.nz
X-Trace: news.xtra.co.nz 1058681931 210.86.62.47 (Sun, 20 Jul 2003 18:18:51 NZST)
NNTP-Posting-Date: Sun, 20 Jul 2003 18:18:51 NZST
Xref: archiver1.google.com alt.ham-radio.packet:3877

Hi

I know that this is out of the Ham area but as I am one, and I am looking for information on Honda Navigation systems. I have Honda Odyssey with a Navigation system and it's all in Japanese. (Import Car)

I am looking for any old CD's to see if I can reverse engineer the thing to make maps for New Zealand or find any info on how to make a cd to load the maps ? Any ifo much appreciated. thanks !

73 David
ZL2TAA

Nelson
New Zealand

```
From -2012383212244559855
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,78d3ba4177f6065c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f4306,78d3ba4177f6065c
X-Google-Attributes: gidf4306,public
X-Google-Thread: fddbf,78d3ba4177f6065c
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10ed5f,78d3ba4177f6065c
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2003-07-20 06:48:07 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-04!sn-xit-01!sn-
xit-08!supernews.com!small1.nntp.aus1.giganews.com!nntp.giganews.com!
cyclone1.gnilink.net!spamkiller2.gnilink.net!nwrdny01.gnilink.net.POSTED!53ab2750!
not-for-mail
From: Gary S. <Idontwantspam@net>
Newsgroups: alt.ham-radio,alt.ham-radio.packet,rec.ham-radio,rec.ham-radio.packet
Subject: Re: GPS Navigation
Organization: very little
Reply-To: Idontwantspam@net
Message-ID: <j87lhv8v1o2iadbcftgebo9fv4saq18gn0@4ax.com>
References: <fvqSa.86501$JA5.1781917@news.xtra.co.nz>
X-Newsreader: Forte Free Agent 1.93/32.576 English (American)
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 28
Date: Sun, 20 Jul 2003 13:48:05 GMT
NNTP-Posting-Host: 68.160.135.55
X-Complaints-To: abuse@verizon.net
X-Trace: nwrdny01.gnilink.net 1058708885 68.160.135.55 (Sun, 20 Jul 2003 09:48:05
EDT)
NNTP-Posting-Date: Sun, 20 Jul 2003 09:48:05 EDT
Xref: archiver1.google.com alt.ham-radio.packet:3880
```

On Sun, 20 Jul 2003 18:18:49 +1200, "David Holland"
<david@innovativecomputer.co.nz> wrote:

>I know that this is out of the Ham area but as I am one, and I am looking
>for information on Honda Navigation systems. I have Honda Odyssey with a
>Navigation system and it's all in Japanese. (Import Car)
>
>I am looking for any old CD's to see if I can reverse engineer the thing to
>make maps for New Zealand or find any info on how to make a cd to load the
>maps ? Any ifo much appreciated. thanks !
>
>73 David

This topic would get far more productive answers on the group sci.geo.satellite-nav.

There have been some recent threads related to New Zealand mapping.

In general, though, these systems are not set up to allow you to load your own maps.

Happy trails,
Gary (net.yogi.bear)
----
at the 51st percentile of ursine intelligence

Gary D. Schwartz, Needham, MA, USA
Please reply to: garyDOTschwartzATpoboxDOTcom

```
From 9158090047377931428
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7ef99f41156cf99b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,7ef99f41156cf99b,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,7ef99f41156cf99b,start
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2003-07-20 18:16:34 PST
From: "W4ADT" <w4adt@intergate.com>
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.swap
Subject: WTB: Yaesu YF-116A
Date: Sun, 20 Jul 2003 21:15:57 -0700
Lines: 14
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
NNTP-Posting-Host: 0-1pool134-223.nas7.atlanta2.ga.us.da.qwest.net
Message-ID: <3f19ed51_1@newsfeed>
X-Trace: newsfeed 1058663761 65.140.134.223 (19 Jul 2003 20:16:01 -0500)
X-Authenticated-User: w4adt@intergate.com
X-Original-NNTP-Posting-Host: 65.140.134.223
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!nntp.cs.ubc.ca!
nntp-relay.ihug.net!ihug.co.nz!newshosting.com!news-xfer1.atl.newshosting.com!
diablo.voicenet.com!209.242.86.11.MISMATCH!newsfeed!not-for-mail
Xref: archiver1.google.com rec.ham-radio.swap:3067 rec.radio.swap:94876
```

Thanks for reading my posting!

I'm looking for a reasonably priced Yaseu YF-116A 6 KHZ AM Filter.

Please email me at w4adt@intergate.com with best price shipped.

73 Daniel W4ADT

```
From 7620499961117061048
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7ef99f41156cf99b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,7ef99f41156cf99b
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,7ef99f41156cf99b
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2003-07-21 06:25:19 PST
Path: archiver1.google.com!postnews1.google.com!not-for-mail
From: max_brant@eudoramail.com (bush)
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.swap
Subject: Re: WTB: Yaesu YF-116A
Date: 21 Jul 2003 06:25:18 -0700
Organization: http://groups.google.com/
Lines: 10
Message-ID: <dcd70b38.0307210525.c10223@posting.google.com>
References: <3f19ed51_1@newsfeed>
NNTP-Posting-Host: 216.46.26.146
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1058793919 19057 127.0.0.1 (21 Jul 2003 13:25:19 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: 21 Jul 2003 13:25:19 GMT
Xref: archiver1.google.com rec.ham-radio.swap:3069 rec.radio.swap:94897
```

"W4ADT" <w4adt@intergate.com> wrote in message news:<3f19ed51_1@newsfeed>...
> Thanks for reading my posting!
>
> I'm looking for a reasonably priced Yaseu YF-116A 6 KHZ AM Filter.
>
> Please email me at w4adt@intergate.com with best price shipped.
>
> 73 Daniel W4ADT

agreed

```
From -4592867214507204204
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c48bec8dfa0fccd1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105955,c48bec8dfa0fccd1
X-Google-Attributes: gid105955,public
```

X-Google-Thread: f76e2,c48bec8dfa0fccd1
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f68a8,c48bec8dfa0fccd1
X-Google-Attributes: gidf68a8,public
X-Google-Thread: f55c2,c48bec8dfa0fccd1
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 114671,c48bec8dfa0fccd1
X-Google-Attributes: gid114671,public
X-Google-Thread: 114a57,c48bec8dfa0fccd1
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2003-07-22 10:12:26 PST
Path: archiver1.google.com!postnews1.google.com!not-for-mail
From: llaa1100@yahoo.com (llaa1100)
Newsgroups: alt.ham-radio.hf,alt.ham-radio.mods,att.ham-radio,aus.radio.amateur.digital,aus.radio.amateur.misc,rec.ham-radio,rec.ham-radio.swap
Subject: Re: ATN Log periodic
Date: 22 Jul 2003 10:12:25 -0700
Organization: http://groups.google.com/
Lines: 52
Message-ID: <7c811853.0307220912.39e5962e@posting.google.com>
References: <NR_Pa.2174$wU5.390@news-server.bigpond.net.au> <CC0Qa.326$k57.11763@newsfeeds.bigpond.com> <jp8Qa.2747$wU5.2210@news-server.bigpond.net.au>
NNTP-Posting-Host: 164.67.46.47
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1058893946 8501 127.0.0.1 (22 Jul 2003 17:12:26 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: 22 Jul 2003 17:12:26 GMT
Xref: archiver1.google.com alt.ham-radio.hf:3403 alt.ham-radio.mods:2638 aus.radio.amateur.digital:988 aus.radio.amateur.misc:11873 rec.ham-radio.swap:3078

al owens
"TS" <tstone12002@yahoo.com.au> wrote in message news:<jp8Qa.2747$wU5.2210@news-server.bigpond.net.au>...
> Thanks Matt
> Cheers
> VK2TS
> "Matt" <piss.off@spammers.com> wrote in message
> news:CC0Qa.326$k57.11763@newsfeeds.bigpond.com...
> > According to their add in AR, ATN are still around, and still in business.
> > Email address is atnant at iinet.net.au - as sourced from page 54 of this
> > edition of AR.
> >
> >
> >
> >
> >
> > Matt
> >
> > "TS" <tstone12002@yahoo.com.au> wrote in message
> > news:NR_Pa.2174$wU5.390@news-server.bigpond.net.au...

```
> > > Hi all
> > >
> > > Was wondering if there is anyone out there who can help? I have just
> > > purchased a 7 element ATN 18-30-7 log periodic that covers 18-30Mhz. I
> > > believe there is another ATN aerial with the same boom length of 6
>  metres
> > > that covers 14-30Mhz. I was hoping someone with one of these beasts
>  could
> > > advise the element lengths etc so i can convert mine to cover 20metres.
>  I
> > > assume i will need to rearrange the elements, drill alternate mounting
>  holes
> > > and change some element lengths and make some crossover straps for
>  phasing
> > > harnesses but thats just a formality. My aerial comes with a diagram of
>  the
> > > element lengths etc so was hoping someone could scan and send. I could
>  start
> > > from scratch and try and design a unit but this would save me a heap of
> > > time. It appears that ATN is long gone. Any help would be greatly
> > > appreciated. I have quite a collection of amateur radio related service
> > > manuals in pdf and or jpg format so maybe i can return the favour.
> > >
> > > email for reference is tstone12002@yahoo.com.au
> > >
> > > Thanks in advance.
> > > Cheers
> > > Tony
> > > VK2TS
> > >
> > >
> >
> >


From 1125290593979273012
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,78d3ba4177f6065c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f4306,78d3ba4177f6065c
X-Google-Attributes: gidf4306,public
X-Google-Thread: fddbf,78d3ba4177f6065c
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10ed5f,78d3ba4177f6065c
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2003-07-23 11:31:08 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-04!sn-xit-06!sn-
xit-09!supernews.com!newshosting.com!news-xfer2.atl.newshosting.com!news-
out.visi.com!petbe.visi.com!yellow.newsread.com!news-toy.newsread.com!netaxs.com!
newsread.com!POSTED.newshog.newsread.com!not-for-mail
Message-ID: <3F1ED44A.57DC9E06@atlantic.net>
From: Walter Treftz <penguino@atlantic.net>
X-Mailer: Mozilla 4.79 [en]C-CCK-MCD NSCPCD479  (Win98; U)
```

```
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.packet,rec.ham-radio,rec.ham-radio.packet
Subject: Re: GPS Navigation
References: <fvqSa.86501$JA5.1781917@news.xtra.co.nz>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 18
Date: Wed, 23 Jul 2003 18:31:00 GMT
NNTP-Posting-Host: 209.208.77.242
X-Complaints-To: Abuse Role <abuse@atlantic.net>, We Care <abuse@newsread.com>
X-Trace: newshog.newsread.com 1058985060 209.208.77.242 (Wed, 23 Jul 2003 14:31:00
EDT)
NNTP-Posting-Date: Wed, 23 Jul 2003 14:31:00 EDT
Organization: Atlantic.net (atlantic.net)
Xref: archiver1.google.com alt.ham-radio.packet:3886

. Our club is trying to help in an
estate . We are trying to dispose of the following:
   Mercury-wetted relays
   8 Ea.
   SPDT
   110 VAC coil
   Mfr: C. P. Clare & Co., of Chicago
   Octal (tube-type) base
   Model:  HSG 1009
   Marked "high speed"
If anyone is interested, make us a reasonable offer plus postage for one,
several,
all, etc. Would think the mailing weight would be about a pound.
73
Walt (N4GL)(peronal:  penguino/at/atlantic/dot/net)




From -6220144317348227787
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 110c4e,b34b0989ea1dcafe,start
X-Google-Attributes: gid110c4e,public
X-Google-Thread: 10c9e3,b34b0989ea1dcafe,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,b34b0989ea1dcafe,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fed6a,b34b0989ea1dcafe,start
X-Google-Attributes: gidfed6a,public
X-Google-Thread: fa656,b34b0989ea1dcafe,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10fbd1,b34b0989ea1dcafe,start
X-Google-Attributes: gid10fbd1,public
X-Google-Thread: f84e8,b34b0989ea1dcafe,start
X-Google-Attributes: gidf84e8,public
```

X-Google-Thread: f7653,b34b0989ea1dcafe,start
X-Google-Attributes: gidf7653,public
X-Google-ArrivalTime: 2003-08-02 21:31:05 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-06!sn-xit-08!
supernews.com!small1.nntp.aus1.giganews.com!border3.nntp.aus1.giganews.com!
intern1.nntp.aus1.giganews.com!nntp.giganews.com!nntp.comcast.com!
news.comcast.com.POSTED!not-for-mail
NNTP-Posting-Date: Sat, 02 Aug 2003 23:31:04 -0500
From: "Bill Frovik n0mnb" <n0mnb@comcast.net>
Newsgroups: rec.ham-radio,rec.ham-radio.misc,rec.ham-radio.packet,rec.radio.amateur,rec.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.packet,rec.radio.commercial-lmr,rec.radio.swap
Subject: SEA esp520 220 mhz radio's
Date: Sat, 2 Aug 2003 23:34:47 -0500
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <KKWcnU-9K8OVDbGiU-KYuQ@comcast.com>
Lines: 7
NNTP-Posting-Host: 66.41.225.17
X-Trace: sv3-uAyp50c5hFwQbOOtOLTZv+/rvYS+WKPs+yXRMQZ7FiuekPLpjP/egwXgfBpCuYQb/
Ixo07hT9cxsGF2!ADsxoZfaf/k4607qGIoWbFhKky+q66Fe5Ibyo6WjQsQlVpVaW1zep6sBOuBQ
X-Complaints-To: abuse@comcast.net
X-DMCA-Complaints-To: dmca@comcast.net
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint properly
X-Postfilter: 1.1
Xref: archiver1.google.com rec.radio.amateur:5670
rec.radio.amateur.digital.misc:7859 rec.radio.swap:95542

hello
i am looking for any info on this radio, like service manuals and programing material, will pay $ ...ASAP

73's de n0mnb

From 6987350024355802299
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 110c4e,b34b0989ea1dcafe
X-Google-Attributes: gid110c4e,public
X-Google-Thread: 10c9e3,b34b0989ea1dcafe
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10fbd1,b34b0989ea1dcafe
X-Google-Attributes: gid10fbd1,public
X-Google-Thread: fddbf,b34b0989ea1dcafe
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fed6a,b34b0989ea1dcafe
X-Google-Attributes: gidfed6a,public

X-Google-Thread: f7653,b34b0989ea1dcafe
X-Google-Attributes: gidf7653,public
X-Google-Thread: f84e8,b34b0989ea1dcafe
X-Google-Attributes: gidf84e8,public
X-Google-Thread: fa656,b34b0989ea1dcafe
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2003-08-05 14:34:06 PST
Path: archiver1.google.com!news1.google.com!sn-xit-03!sn-xit-04!sn-xit-01!sn-xit-08!supernews.com!newsfeed.news2me.com!elnk-nf2-pas!newsfeed.earthlink.net!newshub.sdsu.edu!tethys.csu.net!news-hog.berkeley.edu!ucberkeley!169.232.10.60.MISMATCH!newsfeed.news.ucla.edu!ucdavis!not-for-mail
From: Skipp knows some of the story <usethesonicservertocontactme@yahoo.com>
Newsgroups: rec.ham-radio,rec.ham-radio.misc,rec.ham-radio.packet,rec.radio.amateur,rec.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.packet,rec.radio.commercial-lmr,rec.radio.swap
Subject: Re: SEA esp520 220 mhz radio's
Date: Tue, 5 Aug 2003 21:30:23 +0000 (UTC)
Organization: University of California, Davis
Lines: 46
Sender: Skip May <skipp@veni.ucdavis.edu>
Message-ID: <bgp7lf$3q1$1@woodrow.ucdavis.edu>
References: <KKWcnU-9K8OVDbGiU-KYuQ@comcast.com>
NNTP-Posting-Host: veni.ucdavis.edu
X-Trace: woodrow.ucdavis.edu 1060119023 3905 169.237.105.38 (5 Aug 2003 21:30:23 GMT)
X-Complaints-To: usenet@ucdavis.edu
NNTP-Posting-Date: Tue, 5 Aug 2003 21:30:23 +0000 (UTC)
User-Agent: tin/1.4.7-20030322 ("Suggestions") (UNIX) (SunOS/5.8 (sun4u))
Xref: archiver1.google.com rec.radio.amateur:5680 rec.radio.amateur.digital.misc:7868 rec.radio.swap:95715

Hi Bill,

The SEA and Midland LMR 220Mhz repeaters & radios are now appearing on the surplus market, pulled from the (now bankrupt) narrow band trunking systems.

Securecor and Intek were large 220 smr operators in the late 90's. They had systems out here on on the US West Coast from Texas to Alaska.

They are hybrid ACSB units, the LMR and SEA formats do not work with the other.

SEA is still on line selling repeaters, however they probably wont do a lot to help you convert the equipment to Amateur Operation.

Two Surplus Dealers are selling used ACSB radios and some repeaters, look for them using the Ebay IDs of erac and rhoadeseller (might be rhodeseller).

I bought much/most of the 220 antenna combiner equipment as it is very high quality (Sinclair, Decibel, Wacom & Telewave) gear, of which I'm slowly parting out to get some of my money back. Watch for my auctions on

Ebay if you have interest in this sort of stuff.

You might be able to make some of the radios talk to each other on simplex
(direct), then figure a way to move them up onto the amateur band after
you get the programming right, but it's not a beginers task.

There are a few 220 smr system operators still in operation around the
country, you might do a reverse lookup on the fcc web page and contact
those people you can find for information.

cheers
skipp
http://sonic.ucdavis.edu

contact me through the sonic server Email icons if you like.

: In rec.radio.swap Bill Frovik n0mnb <n0mnb@comcast.net> wrote:
: hello
: i am looking for any info on this radio, like service manuals and programing
: material, will pay $ ...ASAP

: 73's de n0mnb

From 5415372555278190462
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,da0738cc7c968aa3,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,da0738cc7c968aa3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,da0738cc7c968aa3,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,da0738cc7c968aa3,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,da0738cc7c968aa3,start
X-Google-Attributes: gidf76e2,public
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X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2003-08-08 12:08:03 PST
Path: archiver1.google.com!news1.google.com!sn-xit-03!sn-xit-01!sn-xit-09!supernews.com!newshosting.com!news-xfer1.atl.newshosting.com!news-out.superfeed.net!propagator2-maxim!news-in-maxim.spamkiller.net!news.astraweb.com!news-small.astraweb.com!prodigy.com!newsmst01.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!newssvr22.news.prodigy.com.POSTED!34924044!not-for-mail
From: "Anthony Mikulastik" <wb5tty@hotmail.com>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.swap
Subject: WTB: UHF Duplexer
Lines: 11
X-Priority: 3

```
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <ixSYa.40$SO4.29@newssvr22.news.prodigy.com>
NNTP-Posting-Host: 64.217.50.202
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr22.news.prodigy.com 1060369614 ST000 64.217.50.202 (Fri, 08 Aug
2003 15:06:54 EDT)
NNTP-Posting-Date: Fri, 08 Aug 2003 15:06:54 EDT
Organization: SBC http://yahoo.sbc.com
X-UserInfo1:
FKPGWUOE@@S[SZH]]ZN@_TDAYZOZ@GXOXZ^L\UQHWIWDUWYADNVOPCKZBL\NX_KHV^GY[KVMG^ZPNHSCZN
S[^UXFJVWYXVXKBH[XRWWBBDTN@AX\JSBVH]_@T\EKJHBMZ\_WZJFNRY]YWKSPED_U^NC\HSZ\WS[KEAYI
@DO@\K@BP\LD[\GTMPLDFVU]ASJM
Date: Fri, 08 Aug 2003 19:06:54 GMT
Xref: archiver1.google.com alt.ham-radio.marketplace:14687 alt.ham-radio.vhf-
uhf:18960 rec.ham-radio.swap:3131 rec.radio.amateur.swap:4658
```

I am looking for a set of Celwave 633-6A-1 Mobile Duplexers. This model operates in the 406-450 MHZ range.

Email,

wb5tty@hotmail.com

Thanks,
Anthony Mikulastik, WB5TTY

```
From -8171217615487104049
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc94239d11d5edfe,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,fc94239d11d5edfe,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,fc94239d11d5edfe,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,fc94239d11d5edfe,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 108778,fc94239d11d5edfe,start
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2003-08-17 15:17:35 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!news.litech.org!cox.net!news-
xfer.cox.net!p01!lakeread05.POSTED!not-for-mail
Message-ID: <3F3FFF00.6EB8E115@NoDirectMail.com>
From: "Bruce W.1" <bw@NoDirectMail.com>
X-Mailer: Mozilla 4.79 [en] (Windows NT 5.0; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.radio.amateur,alt.radio.amateur,alt.ham-radio,rec.ham-
```

```
radio,rec.radio.amateur.homebrew
Subject: How to measure battery capacity?
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 23
Date: Sun, 17 Aug 2003 18:17:36 -0400
NNTP-Posting-Host: 68.9.35.125
X-Complaints-To: abuse@cox.net
X-Trace: lakeread05 1061158654 68.9.35.125 (Sun, 17 Aug 2003 18:17:34 EDT)
NNTP-Posting-Date: Sun, 17 Aug 2003 18:17:34 EDT
Organization: Cox Communications
Xref: archiver1.google.com rec.radio.amateur:5749 rec.radio.amateur.homebrew:25014
```

I'm trying to find a way to measure the capacity of single -- mainly AA -- batteries. Some of my battery packs don't last as long as they should because of mismatches in cell capacity.

I've got a good assortment of electronic equipment, variable power supplies, high power resistors, etc. I've even got a Maha MH-C777PLUS charger/discharger. But this doesn't let you do single cells.

I can come up with some -- not so great -- ways to measure capacity, like discharging thru a resistor while monitoring voltage. This would allow me to at least match batteries somewhat but not really measure true capacity. For true capacity I need a constant current device, and that's where I'm stumped.

This could be electronic, if it's inexpensive and I can get the parts at Radio Shack. But I'm thinking more along the lines of a mechanical device to drain the battery in a constant current fashion. An electric motor would just slow down, so that wouln't work. What type of mechanical device pulls a constant current regardless of input voltage?

Does anyone have any suggestions on how to do this?

Thanks for your help.

```
From 1424971583736367724
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc94239d11d5edfe
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,fc94239d11d5edfe
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,fc94239d11d5edfe
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,fc94239d11d5edfe
X-Google-Attributes: gid108778,public
X-Google-Thread: fc2a5,fc94239d11d5edfe
X-Google-Attributes: gidfc2a5,public
X-Google-ArrivalTime: 2003-08-17 15:32:52 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
headwall.stanford.edu!newshub.sdsu.edu!elnk-nf2-pas!newsfeed.earthlink.net!
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newsfeed.news2me.com!newsfeed2.easynews.com!newsfeed1.easynews.com!easynews.com!
easynews!border3.nntp.aus1.giganews.com!intern1.nntp.aus1.giganews.com!
nntp.giganews.com!nntp.ctc.net!news.ctc.net.POSTED!not-for-mail
NNTP-Posting-Date: Sun, 17 Aug 2003 17:32:50 -0500
From: "Ralph Mowery" <rmowery@ctc.net>
Newsgroups: rec.radio.amateur,alt.radio.amateur,alt.ham-radio,rec.ham-radio,rec.radio.amateur.homebrew
References: <3F3FFF00.6EB8E115@NoDirectMail.com>
Subject: Re: How to measure battery capacity?
Date: Sun, 17 Aug 2003 18:30:04 -0400
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4922.1500
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4925.2800
Message-ID: <y9KdnYSs7r8On92iXTWJjg@ctc.net>
Lines: 29
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7rFtIgQu8QaVcx2rgJAMv+8brDLeqe+iHU1bD2tK++7bgIFjZLUhc9HUTUH8c7Y=
X-Complaints-To: abuse@ctc.net
X-DMCA-Complaints-To: abuse@ctc.net
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint properly
X-Postfilter: 1.1
Xref: archiver1.google.com rec.radio.amateur:5750 rec.radio.amateur.homebrew:25015

"Bruce W.1" <bw@NoDirectMail.com> wrote in message
news:3F3FFF00.6EB8E115@NoDirectMail.com...
> I'm trying to find a way to measure the capacity of single -- mainly AA
> -- batteries. Some of my battery packs don't last as long as they
> should because of mismatches in cell capacity.
>
> I've got a good assortment of electronic equipment, variable power
> supplies, high power resistors, etc. I've even got a Maha MH-C777PLUS
> charger/discharger. But this doesn't let you do single cells.
>
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> like discharging thru a resistor while monitoring voltage. This would
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> true capacity. For true capacity I need a constant current device, and
> that's where I'm stumped.
>
> This could be electronic, if it's inexpensive and I can get the parts at
> Radio Shack. But I'm thinking more along the lines of a mechanical
> device to drain the battery in a constant current fashion. An electric
> motor would just slow down, so that wouln't work. What type of
> mechanical device pulls a constant current regardless of input voltage?
>
> Does anyone have any suggestions on how to do this?

You can use a 3 terminal voltage regulator and a resistor or two. They can be wired for a constant current generator instead of constant voltage.

```
From 399774688989999327
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc94239d11d5edfe
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,fc94239d11d5edfe
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 10ed5f,fc94239d11d5edfe
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,fc94239d11d5edfe
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,fc94239d11d5edfe
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2003-08-17 16:15:40 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
headwall.stanford.edu!newshub.sdsu.edu!elnk-nf2-pas!newsfeed.earthlink.net!
wn14feed!wn13feed!worldnet.att.net!204.127.198.203!attbi_feed3!attbi.com!
sccrnsc02.POSTED!not-for-mail
From: "John D. Adamson" <josttech@comcast.net>
User-Agent: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.4) Gecko/20030624
Netscape/7.1 (ax)
X-Accept-Language: en-us, en
MIME-Version: 1.0
Newsgroups: rec.radio.amateur,alt.radio.amateur,alt.ham-radio,rec.ham-
radio,rec.radio.amateur.homebrew
Subject: Re: How to measure battery capacity?
References: <3F3FFF00.6EB8E115@NoDirectMail.com>
In-Reply-To: <3F3FFF00.6EB8E115@NoDirectMail.com>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
Lines: 32
Message-ID: <c0U%a.171866$o%2.76661@sccrnsc02>
NNTP-Posting-Host: 24.128.75.9
X-Complaints-To: abuse@comcast.net
X-Trace: sccrnsc02 1061162120 24.128.75.9 (Sun, 17 Aug 2003 23:15:20 GMT)
NNTP-Posting-Date: Sun, 17 Aug 2003 23:15:20 GMT
Organization: Comcast Online
Date: Sun, 17 Aug 2003 23:15:20 GMT
Xref: archiver1.google.com rec.radio.amateur:5751 rec.radio.amateur.homebrew:25017
```

Put an AMP meter across the battery. A "AA" should be good for about 1.2 amps or so. Make sure the multi meter is in the 10 amp position before you do this!

Good luck, John w5cgu

Bruce W.1 wrote:

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> -- batteries. Some of my battery packs don't last as long as they
> should because of mismatches in cell capacity.
>
> I've got a good assortment of electronic equipment, variable power
> supplies, high power resistors, etc. I've even got a Maha MH-C777PLUS
> charger/discharger. But this doesn't let you do single cells.
>
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> like discharging thru a resistor while monitoring voltage. This would
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> device to drain the battery in a constant current fashion. An electric
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> mechanical device pulls a constant current regardless of input voltage?
>
> Does anyone have any suggestions on how to do this?
>
> Thanks for your help.

From 7941253523832684923
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc94239d11d5edfe
X-Google-Attributes: gid10c9e3,public
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X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,fc94239d11d5edfe
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 108778,fc94239d11d5edfe
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,fc94239d11d5edfe
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2003-08-17 17:58:39 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!bloom-beacon.mit.edu!nycmny1-snh1.gtei.net!news.gtei.net!news-out.visi.com!petbe.visi.com!news1.optus.net.au!optus!news.uwa.edu.au!nntp.waia.asn.au!nnrp.waia.asn.au!not-for-mail
From: budgie <budgie@nowhere.cantech.net.au>
Newsgroups: rec.radio.amateur,alt.radio.amateur,alt.ham-radio,rec.ham-radio,rec.radio.amateur.homebrew
Subject: Re: How to measure battery capacity?
Date: Mon, 18 Aug 2003 00:59:05 GMT
Organization: CanTech Online
Lines: 34
Message-ID: <3f4024a6.1382474@news.cantech.net.au>
References: <3F3FFF00.6EB8E115@NoDirectMail.com> <y9KdnYSs7r8On92iXTWJjg@ctc.net>
NNTP-Posting-Host: proteus.cantech.net.au

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X-Trace: nnrp.waia.asn.au 1061168180 833 203.26.6.6 (18 Aug 2003 00:56:20 GMT)
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NNTP-Posting-Date: Mon, 18 Aug 2003 00:56:20 +0000 (UTC)
X-Newsreader: Forte Free Agent 1.21/32.243
Cache-Post-Path: proteus.cantech.net.au!unknown@ra101.cantech.net.au
X-Cache: nntpcache 2.3.3 (see http://www.nntpcache.org/)
Xref: archiver1.google.com rec.radio.amateur:5753 rec.radio.amateur.homebrew:25019

On Sun, 17 Aug 2003 18:30:04 -0400, "Ralph Mowery" <rmowery@ctc.net>
wrote:

>
>"Bruce W.1" <bw@NoDirectMail.com> wrote in message
>news:3F3FFF00.6EB8E115@NoDirectMail.com...
>> I'm trying to find a way to measure the capacity of single -- mainly AA
>> -- batteries.  Some of my battery packs don't last as long as they
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>>
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>> supplies, high power resistors, etc.  I've even got a Maha MH-C777PLUS
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>>
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>> true capacity.  For true capacity I need a constant current device, and
>> that's where I'm stumped.
>>
>> This could be electronic, if it's inexpensive and I can get the parts at
>> Radio Shack.  But I'm thinking more along the lines of a mechanical
>> device to drain the battery in a constant current fashion.  An electric
>> motor would just slow down, so that wouln't work.  What type of
>> mechanical device pulls a constant current regardless of input voltage?
>>
>> Does anyone have any suggestions on how to do this?
>
>You can use a 3 terminal voltage regulator and a resistor or two.  They can
>be wired for a constant current generator instead of constant voltage.

That was going to be my suggestion, for a split second.  Then I
realised the Vin-Vout differential wouldn't let this work on a single
AA.


From -8729063038927057938
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc94239d11d5edfe
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,fc94239d11d5edfe
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,fc94239d11d5edfe
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 108778,fc94239d11d5edfe
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X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,fc94239d11d5edfe
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2003-08-17 18:05:10 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!news1.optus.net.au!optus!news.uwa.edu.au!nntp.waia.asn.au!nnrp.waia.asn.au!not-for-mail
From: budgie <budgie@nowhere.cantech.net.au>
Newsgroups: rec.radio.amateur,alt.radio.amateur,alt.ham-radio,rec.ham-radio,rec.radio.amateur.homebrew
Subject: Re: How to measure battery capacity?
Date: Mon, 18 Aug 2003 01:05:33 GMT
Organization: CanTech Online
Lines: 42
Message-ID: <3f4024e3.1444084@news.cantech.net.au>
References: <3F3FFF00.6EB8E115@NoDirectMail.com>
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X-Trace: nnrp.waia.asn.au 1061168568 833 203.26.6.6 (18 Aug 2003 01:02:48 GMT)
X-Complaints-To: usenet@nnrp.waia.asn.au
NNTP-Posting-Date: Mon, 18 Aug 2003 01:02:48 +0000 (UTC)
X-Newsreader: Forte Free Agent 1.21/32.243
Cache-Post-Path: proteus.cantech.net.au!unknown@ra101.cantech.net.au
X-Cache: nntpcache 2.3.3 (see http://www.nntpcache.org/)
Xref: archiver1.google.com rec.radio.amateur:5754 rec.radio.amateur.homebrew:25020

On Sun, 17 Aug 2003 18:17:36 -0400, "Bruce W.1" <bw@NoDirectMail.com> wrote:

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>
> I've got a good assortment of electronic equipment, variable power supplies, high power resistors, etc. I've even got a Maha MH-C777PLUS charger/discharger. But this doesn't let you do single cells.
>
> I can come up with some -- not so great -- ways to measure capacity, like discharging thru a resistor while monitoring voltage. This would allow me to at least match batteries somewhat but not really measure true capacity. For true capacity I need a constant current device, and that's where I'm stumped.

You don't need a constant current sink to determine "true" capacity. If your load resistor is suitable rated and reasonably low tempco, then monitoring the voltage tells you the current to a fair degree of accuracy, so you can even work out how many coulombs are extracted before a chosen end voltage is reached.

Besides, how many loads in your assorted appliances are constant current?

We do discharge testing (as part of evaluating Li-Ion charging systems) using precision logging equipment monitoring voltage while discharging into resistive loads of known characteristics. The only limit is the accuracy you require, and in your application a couple of percent is probably the spec.

>This could be electronic, if it's inexpensive and I can get the parts at
>Radio Shack. But I'm thinking more along the lines of a mechanical
>device to drain the battery in a constant current fashion. An electric
>motor would just slow down, so that wouln't work. What type of
>mechanical device pulls a constant current regardless of input voltage?
>
>Does anyone have any suggestions on how to do this?
>
>Thanks for your help.

From 8113606340105808506
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc94239d11d5edfe
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,fc94239d11d5edfe
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,fc94239d11d5edfe
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fc2a5,fc94239d11d5edfe
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,fc94239d11d5edfe
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2003-08-17 19:10:15 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!nntp.cs.ubc.ca!nntp-relay.ihug.net!ihug.co.nz!west.cox.net!east.cox.net!cox.net!p01!lakeread05.POSTED!not-for-mail
Message-ID: <3F403587.7B70615@NoDirectMail.com>
From: "Bruce W.1" <bw@NoDirectMail.com>
X-Mailer: Mozilla 4.79 [en] (Windows NT 5.0; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.radio.amateur,alt.radio.amateur,alt.ham-radio,rec.ham-radio,rec.radio.amateur.homebrew
Subject: Re: How to measure battery capacity?
References: <3F3FFF00.6EB8E115@NoDirectMail.com> <3f4024e3.1444084@news.cantech.net.au>
Content-Type: text/plain; charset=us-ascii
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NNTP-Posting-Host: 68.9.35.125
X-Complaints-To: abuse@cox.net
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NNTP-Posting-Date: Sun, 17 Aug 2003 22:10:14 EDT
Organization: Cox Communications
Xref: archiver1.google.com rec.radio.amateur:5756 rec.radio.amateur.homebrew:25021

budgie wrote:
>
> On Sun, 17 Aug 2003 18:17:36 -0400, "Bruce W.1" <bw@NoDirectMail.com> wrote:
>
> >I'm trying to find a way to measure the capacity of single -- mainly AA -- batteries. Some of my battery packs don't last as long as they should because of mismatches in cell capacity.
> >
> >I've got a good assortment of electronic equipment, variable power supplies, high power resistors, etc. I've even got a Maha MH-C777PLUS charger/discharger. But this doesn't let you do single cells.
> >
> >I can come up with some -- not so great -- ways to measure capacity, like discharging thru a resistor while monitoring voltage. This would allow me to at least match batteries somewhat but not really measure true capacity. For true capacity I need a constant current device, and that's where I'm stumped.
>
> You don't need a constant current sink to determine "true" capacity. If your load resistor is suitable rated and reasonably low tempco, then monitoring the voltage tells you the current to a fair degree of accuracy, so you can even work out how many coulombs are extracted before a chosen end voltage is reached.
>
> Besides, how many loads in your assorted appliances are constant current?
>
> We do discharge testing (as part of evaluating Li-Ion charging systems) using precision logging equipment monitoring voltage while discharging into resistive loads of known characteristics. The only limit is the accuracy you require, and in your application a couple of percent is probably the spec.
>

==

I could monitor and log the voltage across a fixed resistance, draw a curve, calculate the area... This would be a real pain in the rear for the number of batteries I want to test. So I'd really like to find a simple constant current device.

This Radio Shack digital multimeter does voltage logging on a PC:
http://www.radioshack.com/product.asp?
catalog%5Fname=CTLG&category%5Fname=CTLG%5F011%5F008%5F002%5F000&product%5Fid=22%2
D812
The details on the software are vague. Does anyone have one of these?

Here's a cool device that would do the job, and then some. But I'd like to keep it just a bit simpler:
http://www.yoredale.uklinux.net/electronics/capacity1cell.htm

From 2887814116363896465

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b8313cb81a65bf,start
X-Google-Attributes: gid10c9e3,public
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Message-ID: <3F4051E2.64CD6570@NoDirectMail.com>
From: "Bruce W.1" <bw@NoDirectMail.com>
X-Mailer: Mozilla 4.79 [en] (Windows NT 5.0; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.radio.amateur,alt.radio.amateur,alt.ham-radio,rec.ham-radio,rec.radio.amateur.homebrew
Subject: Battery matching solution?
Content-Type: text/plain; charset=us-ascii
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Lines: 24
Date: Mon, 18 Aug 2003 00:11:14 -0400
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NNTP-Posting-Date: Mon, 18 Aug 2003 00:11:13 EDT
Organization: Cox Communications
Xref: archiver1.google.com rec.radio.amateur:5758 rec.radio.amateur.homebrew:25023

Please see previous thread.

I'm trying to match AA battery capacities so they can be used together in battery packs and I think created a low-tech way to do this. I'd like to hear more informed opinions.

This would apply to NiCads and NiMh but it should work with lithium-ions too.

Take all your batteries of the same type and charge them all in parallel to the same voltage. Then one at a time remove them from the float voltage and attach them to a fixed size resistor (say 6 ohms) for a fixed period of time (say 3 hours) then measure their voltage. Well matched batteries should have similar voltages.

Does this wash?

The only thing I wonder about is the full charge state voltage. Say I'm doing Ni-Cads which usually top-out around 1.65 volts (where they experience a voltage drop), and I set the float voltage for the bunch at 1.5 volts. Would the maximum voltage of each cell make a difference here?

Thanks for your help.

From -2615920217184962983
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X-Google-Attributes: gid10ed5f,public
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Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-06!sn-post-01!supernews.com!corp.supernews.com!not-for-mail
From: dplatt@radagast.org (Dave Platt)
Newsgroups: rec.radio.amateur,alt.radio.amateur,alt.ham-radio,rec.ham-radio,rec.radio.amateur.homebrew
Subject: Re: How to measure battery capacity?
Date: Mon, 18 Aug 2003 04:37:48 -0000
Organization: Home for Obscure Mythical Beings
Message-ID: <vk0m0si3ut9mea@corp.supernews.com>
References: <3F3FFF00.6EB8E115@NoDirectMail.com>
X-Newsreader: trn 4.0-test74 (May 26, 2000)
Originator: dplatt@radagast.org (Dave Platt)
X-Complaints-To: abuse@supernews.com
Lines: 33
Xref: archiver1.google.com rec.radio.amateur:5759 rec.radio.amateur.homebrew:25024

In article <3F3FFF00.6EB8E115@NoDirectMail.com>,
Bruce W.1 <bw@NoDirectMail.com> wrote:

>I can come up with some -- not so great -- ways to measure capacity,
>like discharging thru a resistor while monitoring voltage. This would
>allow me to at least match batteries somewhat but not really measure
>true capacity. For true capacity I need a constant current device, and
>that's where I'm stumped.
>
>This could be electronic, if it's inexpensive and I can get the parts at
>Radio Shack.

One possibility is an LM317 voltage regulator, wired up with one resistor between Vout and Vadj to create a current source (see the data sheet).

Another possibility is a JFET, with source and gate shorted together.

Problem with both of these approaches is, they probably need several volts of "headroom" before they begin acting as "stiff" constant-current sources. If you're hoping to run an individual 1.2-volt cell down to, say, 1.0 volts to measure its useful capacity, neither of these will work.

One thing you could do is simply discharge through a fixed resistor, measure the voltage periodically, and use Ohm's Law to calculate the current being discharged at each measurement time.

```
--
Dave Platt <dplatt@radagast.org>                                   AE6EO
Hosting the Jade Warrior home page: http://www.radagast.org/jade-warrior
  I do _not_ wish to receive unsolicited commercial email, and I will
     boycott any company which has the gall to send me such ads!
```

From -664957723653252270
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b8313cb81a65bf
X-Google-Attributes: gid10c9e3,public
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X-Google-Thread: fc2a5,b8313cb81a65bf
X-Google-Attributes: gidfc2a5,public
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From: Roy Lewallen <w7el@eznec.com>
Newsgroups: rec.radio.amateur,alt.radio.amateur,alt.ham-radio,rec.ham-radio,rec.radio.amateur.homebrew
Subject: Re: Battery matching solution?
Date: Sun, 17 Aug 2003 21:52:09 -0700
Organization: EZNEC Antenna Software
Message-ID: <vk0mroti0dnrda@corp.supernews.com>
User-Agent: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.3) Gecko/20030312
X-Accept-Language: en-us, en
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Lines: 55
Xref: archiver1.google.com rec.radio.amateur:5760 rec.radio.amateur.homebrew:25025

What's really important for matching in a battery pack is that the cells have very close to the same capacity. If one has lower capacity than the others, the others will reverse charge it after it discharges. This further reduces its capacity, making it go flat even sooner the next time. The absolute cell voltage at any point in the discharge process is unimportant.

Unfortunately, you can't discern the remaining capacity of a NiCd or NiMH cell by looking at the cell voltage. The only way to accomplish the matching is to discharge each cell until its energy is essentially completely gone (i.e., to 1.0 volt at moderate drains), and select cells on the basis of how long they take to get there. Ideally, the discharge rate would be about the same as in the device you intend to use the battery for. But in practice, the capacity of NiCd and NiMH cells isn't a very strong function of the load current, so you've got quite a bit of leeway.

Many years ago I made up a discharger for this purpose. It's basically an adjustable constant current load with an adjustable voltage comparator. When the voltage reaches the comparison voltage, it disconnects the load. An old analog electric clock is used to record the time -- the comparator also removes power from the clock. Initially set at 12:00, it directly reads the time it took for the cell to discharge to the specified voltage level. These days it would make a lot more sense to use an A/D converter computer board and/or a microcomputer chip of some sort.

Roy Lewallen, W7EL

Bruce W.1 wrote:
> Please see previous thread.
>
> I'm trying to match AA battery capacities so they can be used together in battery packs and I think created a low-tech way to do this. I'd like to hear more informed opinions.
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>
> Take all your batteries of the same type and charge them all in parallel to the same voltage. Then one at a time remove them from the float voltage and attach them to a fixed size resistor (say 6 ohms) for a fixed period of time (say 3 hours) then measure their voltage. Well matched batteries should have similar voltages.
>
> Does this wash?
>
> The only thing I wonder about is the full charge state voltage. Say I'm doing Ni-Cads which usually top-out around 1.65 volts (where they experience a voltage drop), and I set the float voltage for the bunch at 1.5 volts. Would the maximum voltage of each cell make a difference here?
>
> Thanks for your help.

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news.brightview.com.POSTED!not-for-mail
NNTP-Posting-Date: Mon, 18 Aug 2003 03:01:07 -0500
From: Paul Burridge <redscar@waitrose.notformail.com>
Newsgroups: rec.radio.amateur,alt.radio.amateur,alt.ham-radio,rec.ham-
radio,rec.radio.amateur.homebrew
Subject: Re: How to measure battery capacity?
Date: Mon, 18 Aug 2003 08:05:43 +0100
Reply-To: pb@osiris1.notthisbit.co.uk
Message-ID: <das0kvo2t4isbvjds0b8qs99g0hc7n96cm@4ax.com>
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X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint
properly
X-Postfilter: 1.1
Xref: archiver1.google.com rec.radio.amateur:5762 rec.radio.amateur.homebrew:25031
```

On Sun, 17 Aug 2003 22:10:15 -0400, "Bruce W.1" <bw@NoDirectMail.com>
wrote:

>I could monitor and log the voltage across a fixed resistance, draw a
>curve, calculate the area... This would be a real pain in the rear for
>the number of batteries I want to test.

How about using a storage scope to plot the discharge curves and a computer program to work out the areas under the curves?

--

"I believe history will be kind to me, since I intend
to write it." - Winston Churchill

```
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headwall.stanford.edu!fu-berlin.de!uni-berlin.de!adsl-19-110-91.asm.bellsouth.NET!
not-for-mail
From: Bill <lbj@congress.com>
Newsgroups: rec.radio.amateur,alt.radio.amateur,alt.ham-radio,rec.ham-
radio,rec.radio.amateur.homebrew
Subject: Re: Battery matching solution?
Date: Mon, 18 Aug 2003 05:59:37 -0400
Lines: 68
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```

Many years ago someone associated with NASA figured out that the life expectancy of nicads (series or parallel use) could be increased significantly by matching the internal impedances. The recharge/charge life did not just double, but went up by a factor of ten (approx).
I think this was published in the some NASA Tech journal. It used to

be published about 10 times a year, it might still be.

Bill Cook

Roy Lewallen wrote:
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>>
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>>

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>
>

From -2314115014649683016
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From: budgie <budgie@nowhere.cantech.net.au>
Newsgroups: rec.radio.amateur,alt.radio.amateur,alt.ham-radio,rec.ham-radio,rec.radio.amateur.homebrew
Subject: Re: How to measure battery capacity?
Date: Mon, 18 Aug 2003 12:40:29 GMT
Organization: CanTech Online
Lines: 69
Message-ID: <3f40c7c0.6185151@news.cantech.net.au>
References: <3F3FFF00.6EB8E115@NoDirectMail.com> <3f4024e3.1444084@news.cantech.net.au> <3F403587.7B70615@NoDirectMail.com>
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X-Cache: nntpcache 2.3.3 (see http://www.nntpcache.org/)
Xref: archiver1.google.com rec.radio.amateur:5764 rec.radio.amateur.homebrew:25040

On Sun, 17 Aug 2003 22:10:15 -0400, "Bruce W.1" <bw@NoDirectMail.com> wrote:

>budgie wrote:
>>

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>>
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>> >
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>> >
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>> >like discharging thru a resistor while monitoring voltage. This would
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>> You don't need a constant current sink to determine "true" capacity.
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>> then monitoring the voltage tells you the current to a fair degree of
>> accuracy, so you can even work out how many coulombs are extracted
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>> Besides, how many loads in your assorted appliances are constant
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>> systems) using precision logging equipment monitoring voltage while
>> discharging into resistive loads of known characteristics. The only
>> limit is the accuracy you require, and in your application a couple of
>> percent is probably the spec.
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>===
>
>I could monitor and log the voltage across a fixed resistance, draw a
>curve, calculate the area... This would be a real pain in the rear for
>the number of batteries I want to test. So I'd really like to find a
>simple constant current device.

As I alluded to in my previous, I suspect you will find simple
constant current and 1v5 are relatively mutually exclusive unless you
want to go to low voltage op amps and roll your own.

I don't know what you are using to post your n/g messages, but I use a
PC. They DO have other capabilities besides internet connectivity.
It takes but a few lines of code - even in humble QBasic - to log the
voltages at set intervals, calculate current, and do time integration
to obtain joule or coulomb figures. Having a constant current device
as your load won't make this task any easier in reality.

>This Radio Shack digital multimeter does voltage logging on a PC:
>http://www.radioshack.com/product.asp?

catalog%5Fname=CTLG&category%5Fname=CTLG%5F011%5F008%5F002%5F000&product%5Fid=22%2
D812
>The details on the software are vague. Does anyone have one of these?

The average "affordable" RS-232 equipped multimeter seems to invariably have a poor overall accuracy spec. This won't affect repeatability or the validity of comparisons, but does obviously impact on absolute numbers you obtain.

>Here's a cool device that would do the job, and then some. But I'd like
>to keep it just a bit simpler:
>http://www.yoredale.uklinux.net/electronics/capacity1cell.htm

---

From 3075407180431929362
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b8313cb81a65bf
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,b8313cb81a65bf
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,b8313cb81a65bf
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,b8313cb81a65bf
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,b8313cb81a65bf
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2003-08-18 07:59:56 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!in.100proofnews.com!
in.100proofnews.com!prodigy.com!prodigy.com!rip!news.webusenet.com!peer01.cox.net!
cox.net!p01!lakeread05.POSTED!not-for-mail
Message-ID: <3F40E9ED.CA7BD0B1@NoDirectMail.com>
From: "Bruce W.1" <bw@NoDirectMail.com>
X-Mailer: Mozilla 4.79 [en] (Windows NT 5.0; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.radio.amateur,alt.radio.amateur,alt.ham-radio,rec.ham-
radio,rec.radio.amateur.homebrew
Subject: Re: Battery matching solution?
References: <3F4051E2.64CD6570@NoDirectMail.com>
<vk0mroti0dnrda@corp.supernews.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 44
Date: Mon, 18 Aug 2003 10:59:57 -0400
NNTP-Posting-Host: 68.9.35.125
X-Complaints-To: abuse@cox.net
X-Trace: lakeread05 1061218794 68.9.35.125 (Mon, 18 Aug 2003 10:59:54 EDT)
NNTP-Posting-Date: Mon, 18 Aug 2003 10:59:54 EDT
Organization: Cox Communications
Xref: archiver1.google.com rec.radio.amateur:5767 rec.radio.amateur.homebrew:25044

Roy Lewallen wrote:
>
> What's really important for matching in a battery pack is that the cells
> have very close to the same capacity. If one has lower capacity than the
> others, the others will reverse charge it after it discharges. This
> further reduces its capacity, making it go flat even sooner the next
> time. The absolute cell voltage at any point in the discharge process is
> unimportant.
>
> Unfortunately, you can't discern the remaining capacity of a NiCd or
> NiMH cell by looking at the cell voltage. The only way to accomplish the
> matching is to discharge each cell until its energy is essentially
> completely gone (i.e., to 1.0 volt at moderate drains), and select cells
> on the basis of how long they take to get there. Ideally, the discharge
> rate would be about the same as in the device you intend to use the
> battery for. But in practice, the capacity of NiCd and NiMH cells isn't
> a very strong function of the load current, so you've got quite a bit of
> leeway.
>
> Many years ago I made up a discharger for this purpose. It's basically
> an adjustable constant current load with an adjustable voltage
> comparator. When the voltage reaches the comparison voltage, it
> disconnects the load. An old analog electric clock is used to record the
> time -- the comparator also removes power from the clock. Initially set
> a_pag:00, it directly reads the time it took for the cell to discharge
> to the specified voltage level. These days it would make a lot more
> sense to use an A/D converter computer board and/or a microcomputer chip
> of some sort.
>
> Roy Lewallen, W7EL
>
==

Seems the RC car community matches batteries based on a number of
criteria like capacity, internal resistance, and average voltage. The
websites I found on this don't give specifics.

Buying a $200 pieces of test equipment to measure all this is slight
overkill. I think I came up with a way. What to you think of this?

Charge all the batteries in parallel to the same voltage, say 1.5
volts. Then partially discharge them all in series. At this point
quickly measure the voltage of each cell while still under load.
Matched cells would have the same voltage.

From -3786369795044264666
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b8313cb81a65bf
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,b8313cb81a65bf
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,b8313cb81a65bf

X-Google-Attributes: gid108778,public
X-Google-Thread: fc2a5,b8313cb81a65bf
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,b8313cb81a65bf
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2003-08-18 09:15:14 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!nntp.cs.ubc.ca!
logbridge.uoregon.edu!arclight.uoregon.edu!wn13feed!wn11feed!wn14feed!
worldnet.att.net!216.166.71.14!border3.nntp.aus1.giganews.com!
intern1.nntp.aus1.giganews.com!nntp.giganews.com!nntp.comcast.com!
news.comcast.com.POSTED!not-for-mail
NNTP-Posting-Date: Mon, 18 Aug 2003 11:15:12 -0500
From: "Tarmo Tammaru" <t-tammaru@home.com>
Newsgroups: rec.radio.amateur,alt.radio.amateur,alt.ham-radio,rec.ham-radio,rec.radio.amateur.homebrew
References: <3F4051E2.64CD6570@NoDirectMail.com>
Subject: Re: Battery matching solution?
Date: Mon, 18 Aug 2003 12:15:10 -0400
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <gEKdnTJZnvMNZt2iXTWJhw@comcast.com>
Lines: 34
NNTP-Posting-Host: 68.39.51.241
X-Trace: sv3-D1xr0iaC0eqypXEcZKR2Q7UVz7BGpRAc7BAD6sWM/
1yRehiVu7KwD7LLK8bfE8x55n3t3c/Bo/LhvfJ!
mq3XD020l5zEsDewZtndOXUfJ4g4VIMu4igfJMQq5w0LE4qhu92yDPUsroy0
X-Complaints-To: abuse@comcast.net
X-DMCA-Complaints-To: dmca@comcast.net
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint properly
X-Postfilter: 1.1
Xref: archiver1.google.com rec.radio.amateur:5768 rec.radio.amateur.homebrew:25048

Why charge them in parallel? Having them all charge the same in the real world should be part of the matching. In fact, if you start out with all batteries in the same state, and charge them in series, you can quickly pick out oddball by measuring the charging voltage across each cell.

Tam/WB2TT
"Bruce W.1" <bw@NoDirectMail.com> wrote in message
news:3F4051E2.64CD6570@NoDirectMail.com...
> Please see previous thread.
>
> I'm trying to match AA battery capacities so they can be used together
> in battery packs and I think created a low-tech way to do this. I'd
> like to hear more informed opinions.
>
> This would apply to NiCads and NiMh but it should work with lithium-ions
> too.
>

> Take all your batteries of the same type and charge them all in parallel
> to the same voltage. Then one at a time remove them from the float
> voltage and attach them to a fixed size resistor (say 6 ohms) for a
> fixed period of time (say 3 hours) then measure their voltage. Well
> matched batteries should have similar voltages.
>
> Does this wash?
>
> The only thing I wonder about is the full charge state voltage. Say I'm
> doing Ni-Cads which usually top-out around 1.65 volts (where they
> experience a voltage drop), and I set the float voltage for the bunch at
> 1.5 volts. Would the maximum voltage of each cell make a difference
> here?
>
> Thanks for your help.

From 2561505250248234963
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9171f17b7ffaf469,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10b087,9171f17b7ffaf469,start
X-Google-Attributes: gid10b087,public
X-Google-ArrivalTime: 2003-08-18 10:56:06 PST
Path: archiver1.google.com!news1.google.com!sn-xit-03!sn-xit-06!sn-xit-05!sn-xit-09!supernews.com!news.maxwell.syr.edu!small1.nntp.aus1.giganews.com!border3.nntp.aus1.giganews.com!intern1.nntp.aus1.giganews.com!nntp.giganews.com!nntp.gbronline.com!news.gbronline.com.POSTED!not-for-mail
NNTP-Posting-Date: Mon, 18 Aug 2003 12:55:33 -0500
User-Agent: Microsoft-Entourage/10.1.4.030702.0
Date: Mon, 18 Aug 2003 12:55:35 -0500
Subject: Hams with Corvettes
From: aRKay <arkay@qsl.net>
Newsgroups: alt.autos.corvette,rec.ham-radio
Message-ID: <BB667D47.154BD%arkay@qsl.net>
Mime-version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
Lines: 10
NNTP-Posting-Host: 216.85.29.59
X-Trace: sv3-d8MUQ2VTVwgSB4Fn9w86khYnSuum/QsGNGpXaPeF4LY/3eRtlYDdlkxW/uAwmRL7wBwqBGakj/NNF9l!DWKO8H1XaNEVxnbomDAKdXd8RJMZXx/f75KR8vuOOpJT7m6rYao0gCVhVJwV+YslZ7Vv
X-Complaints-To: abuse@gbronline.com
X-DMCA-Complaints-To: abuse@gbronline.com
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint properly
X-Postfilter: 1.1
Xref: archiver1.google.com alt.autos.corvette:53674

If you are a ham (amateur radio operator) and have a Corvette, check out the
list at

http://forums.corvetteforum.com/zerothread?id=628598

Please send additions, corrections and updates to aa5vu@arrl.net.

Dick, AA5VU

```
From 5333148119486050108
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc94239d11d5edfe
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,fc94239d11d5edfe
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,fc94239d11d5edfe
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,fc94239d11d5edfe
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 108778,fc94239d11d5edfe
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2003-08-18 10:59:26 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
headwall.stanford.edu!newshub.sdsu.edu!elnk-nf2-pas!elnk-pas-nf1!
newsfeed.earthlink.net!cyclone.socal.rr.com!news-west.rr.com!news.rr.com!
cyclone.austin.rr.com!twister.austin.rr.com.POSTED!53ab2750!not-for-mail
Newsgroups: rec.radio.amateur,alt.radio.amateur,alt.ham-radio,rec.ham-
radio,rec.radio.amateur.homebrew
Subject: Re: How to measure battery capacity?
References: <3F3FFF00.6EB8E115@NoDirectMail.com>
X-Newsreader: trn 4.0-test76 (Apr 2, 2001)
From: dougmc@frenzy.com (Doug McLaren)
Originator: dougmc@frenzy.com (Doug McLaren)
Lines: 35
Message-ID: <fv80b.172267$TJ.10243344@twister.austin.rr.com>
Date: Mon, 18 Aug 2003 18:00:43 GMT
NNTP-Posting-Host: 24.27.21.121
X-Complaints-To: abuse@rr.com
X-Trace: twister.austin.rr.com 1061229643 24.27.21.121 (Mon, 18 Aug 2003 13:00:43
CDT)
NNTP-Posting-Date: Mon, 18 Aug 2003 13:00:43 CDT
Organization: Road Runner - Texas
Xref: archiver1.google.com rec.radio.amateur:5770 rec.radio.amateur.homebrew:25056
```

In article <3F3FFF00.6EB8E115@NoDirectMail.com>,
Bruce W.1 <bw@NoDirectMail.com> wrote:

| I'm trying to find a way to measure the capacity of single -- mainly AA
| -- batteries. Some of my battery packs don't last as long as they
| should because of mismatches in cell capacity.

Well, if you don't mind spending some money --

http://www2.towerhobbies.com/cgi-bin/wti0001p?&I=LXCJG7&P=7

This is a great charger. Not only does it do a great job with my R/C plane batteries, but it does my ham batteries too. It can charge or discharge 1-24 cells, and can do NiCd, NiMH, Li-Ion, Li-Poly or lead acid bateries.

For one battery, you just charge the battery, then set it to discharge at perhaps 1/4 C, and tell it to cut off at 0.9 volts. Once done, you'll know exactly what capacity it has.

As another poster mentioned, the R/C communities know all about batteries. Read their stuff on it, you'll learn a lot. :)

Oh, if you do use a charger like this to charge a battery, be sure to make sure you've got a direct path to the battery itself -- trying to push 1 A through a charge circuit that lights up a LED and such is a great way to let out the magic smoke -- even through the battery can handle it no problem.

If this is too much for you, there are other alternatives, but few are so flexible for this `little' money.

--
Doug McLaren, dougmc@frenzy.com
`You're all clear now, kid. Now blow this thing so we can all go home.'

From -1063351035137370712
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc94239d11d5edfe
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,fc94239d11d5edfe
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,fc94239d11d5edfe
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,fc94239d11d5edfe
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,fc94239d11d5edfe
X-Google-Attributes: gidfc2a5,public
X-Google-ArrivalTime: 2003-08-18 12:11:12 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-04!sn-xit-01!sn-post-01!supernews.com!corp.supernews.com!not-for-mail
From: Roy Lewallen <w7el@eznec.com>
Newsgroups: rec.radio.amateur,alt.radio.amateur,alt.ham-radio,rec.ham-radio,rec.radio.amateur.homebrew
Subject: Re: How to measure battery capacity?
Date: Mon, 18 Aug 2003 12:11:14 -0700
Organization: EZNEC Antenna Software
Message-ID: <vk296fiv7n3321@corp.supernews.com>

User-Agent: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.3) Gecko/20030312
X-Accept-Language: en-us, en
MIME-Version: 1.0
References: <3F3FFF00.6EB8E115@NoDirectMail.com>
<3f4024e3.1444084@news.cantech.net.au> <3F403587.7B70615@NoDirectMail.com>
<3f40c7c0.6185151@news.cantech.net.au>
In-Reply-To: <3f40c7c0.6185151@news.cantech.net.au>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
X-Complaints-To: abuse@supernews.com
Lines: 16
Xref: archiver1.google.com rec.radio.amateur:5771 rec.radio.amateur.homebrew:25058

budgie wrote:

> As I alluded to in my previous, I suspect you will find simple
> constant current and 1v5 are relatively mutually exclusive unless you
> want to go to low voltage op amps and roll your own.
> . . .

It's not difficult. I use an supply to power an op amp which senses the current across a small resistor and drives a power FET. It does fine down to less than one volt. In fact, it was actually designed to use as a constant current source for charging a NiCd battery from a solar panel, and it does double duty as a constant current load for testing battery and cell capacity.

Roy Lewallen, W7EL

From 4983643262752910839
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc94239d11d5edfe
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,fc94239d11d5edfe
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,fc94239d11d5edfe
X-Google-Attributes: gid108778,public
X-Google-Thread: fc2a5,fc94239d11d5edfe
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,fc94239d11d5edfe
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2003-08-18 12:13:20 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-06!sn-post-02!sn-post-01!supernews.com!corp.supernews.com!not-for-mail
From: Roy Lewallen <w7el@eznec.com>
Newsgroups: rec.radio.amateur,alt.radio.amateur,alt.ham-radio,rec.ham-radio,rec.radio.amateur.homebrew
Subject: Re: How to measure battery capacity?
Date: Mon, 18 Aug 2003 12:13:23 -0700
Organization: EZNEC Antenna Software
Message-ID: <vk29ag6gik6ga8@corp.supernews.com>

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User-Agent: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.3) Gecko/20030312
X-Accept-Language: en-us, en
MIME-Version: 1.0
References: <3F3FFF00.6EB8E115@NoDirectMail.com>
<fv80b.172267$TJ.10243344@twister.austin.rr.com>
In-Reply-To: <fv80b.172267$TJ.10243344@twister.austin.rr.com>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
X-Complaints-To: abuse@supernews.com
Lines: 11
Xref: archiver1.google.com rec.radio.amateur:5772 rec.radio.amateur.homebrew:25059
```

Doug McLaren wrote:

> . . .
>
> As another poster mentioned, the R/C communities know all about
> batteries. Read their stuff on it, you'll learn a lot. :)

But be aware that the way they're using batteries is very different from the way you're likely to. So some of the characteristics important to them might not be important to you, and vice versa.

Roy Lewallen, W7EL

```
From 2978989691813400310
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc94239d11d5edfe
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,fc94239d11d5edfe
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fc2a5,fc94239d11d5edfe
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,fc94239d11d5edfe
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,fc94239d11d5edfe
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2003-08-18 12:51:42 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!cyclone.bc.net!
in.100proofnews.com!in.100proofnews.com!news-xfer.cox.net!peer01.cox.net!cox.net!
small1.nntp.aus1.giganews.com!border1.nntp.aus1.giganews.com!
intern1.nntp.aus1.giganews.com!nntp.giganews.com!nntp.comcast.com!
news.comcast.com.POSTED!not-for-mail
NNTP-Posting-Date: Mon, 18 Aug 2003 14:51:40 -0500
From: "Tarmo Tammaru" <t-tammaru@home.com>
Newsgroups: rec.radio.amateur,alt.radio.amateur,alt.ham-radio,rec.ham-
radio,rec.radio.amateur.homebrew
References: <3F3FFF00.6EB8E115@NoDirectMail.com>
Subject: Re: How to measure battery capacity?
Date: Mon, 18 Aug 2003 15:51:36 -0400
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
```

X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <rAudnQYuqMTRs9yiU-KYvw@comcast.com>
Lines: 36
NNTP-Posting-Host: 68.39.51.241
X-Trace: sv3-iG9qgmFQi5BN3mzeMiFtTr95l/fUVGvatwr/rydmDrcN+Dzrqax46zGiTIJw/
biSBpwb8BrpCu37av/!BvzqfV6HCTuWd/eJUF+3dVaty1OGc6dV+AmswTAQFXHlnLl0Qs6Eod7aid+Y
X-Complaints-To: abuse@comcast.net
X-DMCA-Complaints-To: dmca@comcast.net
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint properly
X-Postfilter: 1.1
Xref: archiver1.google.com rec.radio.amateur:5773 rec.radio.amateur.homebrew:25061

Bruce,

Here is a crude way to do unattended tests. There are any number of cheap battery powered clocks that run off 1 or 2 AA cells; you would use external power instead. Put one of these in parallel with your load, and see how long the clock runs. You could add an opamp to set the trip point to a particular voltage. Use an opamp whose common mode range includes the negative rail.

Tam/WB2TT
"Bruce W.1" <bw@NoDirectMail.com> wrote in message
news:3F3FFF00.6EB8E115@NoDirectMail.com...

> I'm trying to find a way to measure the capacity of single -- mainly AA -- batteries. Some of my battery packs don't last as long as they should because of mismatches in cell capacity.
>
> I've got a good assortment of electronic equipment, variable power supplies, high power resistors, etc. I've even got a Maha MH-C777PLUS charger/discharger. But this doesn't let you do single cells.
>
> I can come up with some -- not so great -- ways to measure capacity, like discharging thru a resistor while monitoring voltage. This would allow me to at least match batteries somewhat but not really measure true capacity. For true capacity I need a constant current device, and that's where I'm stumped.
>
> This could be electronic, if it's inexpensive and I can get the parts at Radio Shack. But I'm thinking more along the lines of a mechanical device to drain the battery in a constant current fashion. An electric motor would just slow down, so that wouln't work. What type of mechanical device pulls a constant current regardless of input voltage?
>
> Does anyone have any suggestions on how to do this?
>
> Thanks for your help.

From 5017136532986009352

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc94239d11d5edfe
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,fc94239d11d5edfe
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,fc94239d11d5edfe
X-Google-Attributes: gid108778,public
X-Google-Thread: fc2a5,fc94239d11d5edfe
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,fc94239d11d5edfe
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2003-08-18 13:03:23 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-06!sn-post-01!supernews.com!corp.supernews.com!not-for-mail
From: Roy Lewallen <w7el@eznec.com>
Newsgroups: rec.radio.amateur,alt.radio.amateur,alt.ham-radio,rec.ham-radio,rec.radio.amateur.homebrew
Subject: Re: How to measure battery capacity?
Date: Mon, 18 Aug 2003 13:03:24 -0700
Organization: EZNEC Antenna Software
Message-ID: <vk2c8al02kco95@corp.supernews.com>
User-Agent: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.3) Gecko/20030312
X-Accept-Language: en-us, en
MIME-Version: 1.0
References: <3F3FFF00.6EB8E115@NoDirectMail.com> <rAudnQYuqMTRs9yiU-KYvw@comcast.com>
In-Reply-To: <rAudnQYuqMTRs9yiU-KYvw@comcast.com>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
X-Complaints-To: abuse@supernews.com
Lines: 33
Xref: archiver1.google.com rec.radio.amateur:5774 rec.radio.amateur.homebrew:25062

That's a great idea.

It wouldn't really be important to trip at a particular voltage if you're interested in finding out the capacity, provided that the clock will run at one volt (which any device designed to run from an alkaline cell certainly should)(*). There's very little energy left when a NiCd or NiMH cell reaches one volt, and the cell voltage will drop from there to the point where the clock shuts off in a very short time compared to the total discharge time.

Roy Lewallen, W7EL

(*)Unlike NiCd and NiMH cells, an alkaline cell still has a subtantial amount of energy left when the cell voltage is one volt, assuming a low or moderate load. Well designed devices running from alkaline cells should operate down to about 0.9 volt per cell at low or moderate drain, or about 0.8 volt at heavy drain, in order to extract nearly all the cell's energy. Ideally, a NiCd or NiMH powered device should disconnect from the battery at one volt/cell to prevent reverse charging of a weak cell. Even that isn't sure-fire if there are more than about 5 cells in series, and if one is considerbly weaker than the others.

Tarmo Tammaru wrote:
> Bruce,
>
> Here is a crude way to do unattended tests. There are any number of cheap
> battery powered clocks that run off 1 or 2 AA cells; you would use external
> power instead. Put one of these in parallel with your load, and see how long
> the clock runs. You could add an opamp to set the trip point to a particular
> voltage. Use an opamp whose common mode range includes the negative rail.
>
> Tam/WB2TT

From -3877816230175416691
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc94239d11d5edfe
X-Google-Attributes: gid10c9e3,public
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X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2003-08-18 13:52:48 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!small1.nntp.aus1.giganews.com!border3.nntp.aus1.giganews.com!intern1.nntp.aus1.giganews.com!nntp.giganews.com!nntp.comcast.com!news.comcast.com.POSTED!not-for-mail
NNTP-Posting-Date: Mon, 18 Aug 2003 15:52:47 -0500
From: "Tarmo Tammaru" <t-tammaru@home.com>
Newsgroups: rec.radio.amateur,alt.radio.amateur,alt.ham-radio,rec.ham-radio,rec.radio.amateur.homebrew
References: <3F3FFF00.6EB8E115@NoDirectMail.com> <rAudnQYuqMTRs9yiU-KYvw@comcast.com> <vk2c8al02kco95@corp.supernews.com>
Subject: Re: How to measure battery capacity?
Date: Mon, 18 Aug 2003 16:52:44 -0400
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1106
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <2XWdnQiWU_wCodyiU-KYvw@comcast.com>
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X-Complaints-To: abuse@comcast.net
X-DMCA-Complaints-To: dmca@comcast.net
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers

X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint properly
X-Postfilter: 1.1
Xref: archiver1.google.com rec.radio.amateur:5775 rec.radio.amateur.homebrew:25066

Popular Photography tested AA alk batteries by repeatedly firing off the
flash until the recharge time became 10 seconds, or something like that.

Tam/WB2TT

From -272000291271908427
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc94239d11d5edfe
X-Google-Attributes: gid10c9e3,public
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X-Google-Attributes: gidfc2a5,public
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X-Google-Thread: 108778,fc94239d11d5edfe
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2003-08-18 22:58:29 PST
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From: budgie <budgie@nowhere.cantech.net.au>
Newsgroups: rec.radio.amateur,alt.radio.amateur,alt.ham-radio,rec.ham-radio,rec.radio.amateur.homebrew
Subject: Re: How to measure battery capacity?
Date: Tue, 19 Aug 2003 05:58:56 GMT
Organization: CanTech Online
Lines: 19
Message-ID: <3f41bc8d.1951486@news.cantech.net.au>
References: <3F3FFF00.6EB8E115@NoDirectMail.com>
<3f4024e3.1444084@news.cantech.net.au> <3F403587.7B70615@NoDirectMail.com>
<3f40c7c0.6185151@news.cantech.net.au> <vk296fiv7n3321@corp.supernews.com>
NNTP-Posting-Host: proteus.cantech.net.au
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X-Complaints-To: usenet@nnrp.waia.asn.au
NNTP-Posting-Date: Tue, 19 Aug 2003 05:56:05 +0000 (UTC)
X-Newsreader: Forte Free Agent 1.21/32.243
Cache-Post-Path: proteus.cantech.net.au!unknown@ra137.cantech.net.au
X-Cache: nntpcache 2.3.3 (see http://www.nntpcache.org/)
Xref: archiver1.google.com rec.radio.amateur:5776 rec.radio.amateur.homebrew:25087

On Mon, 18 Aug 2003 12:11:14 -0700, Roy Lewallen <w7el@eznec.com>
wrote:

>budgie wrote:
>>
>> As I alluded to in my previous, I suspect you will find simple
>> constant current and 1v5 are relatively mutually exclusive unless you
>> want to go to low voltage op amps and roll your own.
>> . . .
>
>It's not difficult. I use an supply to power an op amp which senses the
>current across a small resistor and drives a power FET. It does fine
>down to less than one volt. In fact, it was actually designed to use as
>a constant current source for charging a NiCd battery from a solar
>panel, and it does double duty as a constant current load for testing
>battery and cell capacity.

i.e. roll your own, as I indicated.

From 7452446364002190781
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b8313cb81a65bf
X-Google-Attributes: gid10c9e3,public
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X-Google-Thread: 10ed5f,b8313cb81a65bf
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2003-08-20 01:29:58 PST
From: Rob Judd <judd@ob-wan.com>
Newsgroups: rec.radio.amateur,alt.radio.amateur,alt.ham-radio,rec.ham-radio,rec.radio.amateur.homebrew
Subject: Re: Battery matching solution?
Date: Wed, 20 Aug 2003 16:14:19 +1000
Organization: Outside Broadcasting & Wide Area Networking
Lines: 50
Message-ID: <3F4311BB.FD163EAC@ob-wan.com>
References: <3F4051E2.64CD6570@NoDirectMail.com> <vk0mroti0dnrda@corp.supernews.com> <3F40E9ED.CA7BD0B1@NoDirectMail.com>
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Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!news-peer1.sprintlink.net!news.sprintlink.net!news-syd!unknown!not-for-mail

Xref: archiver1.google.com rec.radio.amateur:5781 rec.radio.amateur.homebrew:25123

Bruce W.1 wrote:
>
> Roy Lewallen wrote:
> >
> > What's really important for matching in a battery pack is that the cells
> > have very close to the same capacity. If one has lower capacity than the
> > others, the others will reverse charge it after it discharges. This
> > further reduces its capacity, making it go flat even sooner the next
> > time. The absolute cell voltage at any point in the discharge process is
> > unimportant.
> >
> > Unfortunately, you can't discern the remaining capacity of a NiCd or
> > NiMH cell by looking at the cell voltage. The only way to accomplish the
> > matching is to discharge each cell until its energy is essentially
> > completely gone (i.e., to 1.0 volt at moderate drains), and select cells
> > on the basis of how long they take to get there. Ideally, the discharge
> > rate would be about the same as in the device you intend to use the
> > battery for. But in practice, the capacity of NiCd and NiMH cells isn't
> > a very strong function of the load current, so you've got quite a bit of
> > leeway.
> >
> > Many years ago I made up a discharger for this purpose. It's basically
> > an adjustable constant current load with an adjustable voltage
> > comparator. When the voltage reaches the comparison voltage, it
> > disconnects the load. An old analog electric clock is used to record the
> > time -- the comparator also removes power from the clock. Initially set
> > a_pag:00, it directly reads the time it took for the cell to discharge
> > to the specified voltage level. These days it would make a lot more
> > sense to use an A/D converter computer board and/or a microcomputer chip
> > of some sort.
> >
> > Roy Lewallen, W7EL
> >
> > ==
>
> Seems the RC car community matches batteries based on a number of
> criteria like capacity, internal resistance, and average voltage. The
> websites I found on this don't give specifics.
>
> Buying a $200 pieces of test equipment to measure all this is slight
> overkill. I think I came up with a way. What to you think of this?
>
> Charge all the batteries in parallel to the same voltage, say 1.5
> volts. Then partially discharge them all in series. At this point
> quickly measure the voltage of each cell while still under load.
> Matched cells would have the same voltage.

I'd add a prior step: Fully discharge the batteries.

Rob

```
From 8832367188944244422
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9171f17b7ffaf469
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NNTP-Posting-Date: Fri, 22 Aug 2003 23:39:52 -0500
From: "Dick, AA5VU" <aa5vu@qsl.net>
Newsgroups: alt.autos.corvette,rec.ham-radio
Subject: Re: Hams with Corvettes
Organization: Mac G4-450
References: <BB667D47.154BD%arkay@qsl.net>
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               If you want to use it please also use this Authorline.
Date: Fri, 22 Aug 2003 23:40:03 -0500
Message-ID: <aa5vu-803597.23400322082003@central.isp.giganews.com>
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X-Complaints-To: abuse@gbronline.com
X-DMCA-Complaints-To: abuse@gbronline.com
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint
properly
X-Postfilter: 1.1
Xref: archiver1.google.com alt.autos.corvette:53837
```

The correct URL is

http://forums.corvetteforum.com/zeropost?cmd=reply&id=1544858319

In article <BB667D47.154BD%arkay@qsl.net>, aRKay <arkay@qsl.net> wrote:

> If you are a ham (amateur radio operator) and have a Corvette, check out the
> list at
>
> http://forums.corvetteforum.com/zerothread?id=628598
>
> Please send additions, corrections and updates to aa5vu@arrl.net.
>

```
> Dick, AA5VU
>
>



From -5744343775859669O3
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9171f17b7ffaf469
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border1.nntp.aus1.giganews.com!intern1.nntp.aus1.giganews.com!nntp.giganews.com!
nntp.gbronline.com!news.gbronline.com.POSTED!not-for-mail
NNTP-Posting-Date: Sat, 23 Aug 2003 11:52:39 -0500
From: "Dick, AA5VU" <aa5vu@qsl.net>
Newsgroups: alt.autos.corvette,rec.ham-radio
Subject: Re: Hams with Corvettes
Organization: Mac G4-450
References: <BB667D47.154BD%arkay@qsl.net>
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               If you want to use it please also use this Authorline.
Date: Sat, 23 Aug 2003 11:52:48 -0500
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X-DMCA-Complaints-To: abuse@gbronline.com
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X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint
properly
X-Postfilter: 1.1
Xref: archiver1.google.com alt.autos.corvette:53839

In article <aa5vu-803597.23400322082003@central.isp.giganews.com>,
 "Dick, AA5VU" <aa5vu@qsl.net> wrote:

> The correct URL is
>
> http://forums.corvetteforum.com/zeropost?cmd=reply&id=1544858319
>
>
> In article <BB667D47.154BD%arkay@qsl.net>, aRKay <arkay@qsl.net> wrote:
```

>
> > If you are a ham (amateur radio operator) and have a Corvette, check out the
> > list at
> >
> > http://forums.corvetteforum.com/zerothread?id=628598
> >
> > Please send additions, corrections and updates to aa5vu@arrl.net.
> >
> > Dick, AA5VU
> >
> >

There is someting broken at the CorvetteForum.com and the above URL no
longer works. Just send me an e-mail if you are interested.

Dick, aa5vu

From 6448735038842308925
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9171f17b7ffaf469
X-Google-Attributes: gid10c9e3,public
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supernews.com!priapus.visi.com!news-out.visi.com!petbe.visi.com!
news.maxwell.syr.edu!small1.nntp.aus1.giganews.com!border3.nntp.aus1.giganews.com!
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news.gbronline.com.POSTED!not-for-mail
NNTP-Posting-Date: Sat, 23 Aug 2003 19:22:26 -0500
From: "Dick, AA5VU" <aa5vu@qsl.net>
Newsgroups: alt.autos.corvette,rec.ham-radio
Subject: Re: Hams with Corvettes
Organization: Mac G4-450
References: <BB667D47.154BD%arkay@qsl.net>
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        Ccb%xGQshhi|g@QU2$
X-Face-Author: Tony Svanstrom mailto:tls@kagi.com http://www.svanstrom.com/
               If you want to use it please also use this Authorline.
Date: Sat, 23 Aug 2003 19:22:36 -0500
Message-ID: <aa5vu-F28C83.19223623082003@central.isp.giganews.com>
Lines: 3
NNTP-Posting-Host: 216.85.28.206
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X-Complaints-To: abuse@gbronline.com
X-DMCA-Complaints-To: abuse@gbronline.com

X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint properly
X-Postfilter: 1.1
Xref: archiver1.google.com alt.autos.corvette:53847

The correct URL is

http://forums.corvetteforum.com/zerothread?id=634889

From -4160850619443503971
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X-Google-Thread: 10c9e3,c01736e9087b7b56,start
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From: "OrSoN" <orson0001@hotmail.com>
Newsgroups: aus.radio.amateur.misc,aus.radio.cb,rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.swap,rec.radio.swap
Subject: Icom m-800 Marine Parts WANTED to Buy or Swap
Lines: 31
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <2F%2b.66324$bo1.7703@news-server.bigpond.net.au>
Date: Wed, 27 Aug 2003 10:23:58 GMT
NNTP-Posting-Host: 203.51.165.152
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X-Trace: news-server.bigpond.net.au 1061979838 203.51.165.152 (Wed, 27 Aug 2003 20:23:58 EST)
NNTP-Posting-Date: Wed, 27 Aug 2003 20:23:58 EST
Organization: BigPond Internet Services
Xref: archiver1.google.com aus.radio.amateur.misc:12311 aus.radio.cb:8430 rec.ham-

radio.swap:3185 rec.radio.amateur:5803 rec.radio.amateur.swap:4712
rec.radio.swap:96649

Hi all I am after some parts for the Icom M-800 HF Marine Radio

I need a remote controller unit with all the leads and I need another set of connector leads and a mic Oh and the proper DC Leads :0)

does any one out there have any of these parts or any contacts for these parts ????

I have two Radio bodies and one controller but no connector leads or mics ..

The controller part number is EX-803 Remote Controller
DC Power cable for Controller 12v-1 amp OPC-089A
Interface Cable for Controller OPC-172A

Main Unit Power Cable 12v-30 amps OPC-077

Also is there a mod available to get general coverage TX ???

Please feel free to reply to my email.

maleaton@bigpond.net.au

My Kindest Regards to the Group.

73 De VK3UME

Mal

From -8601219211998070179
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4a31b3faa971a4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,a4a31b3faa971a4,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2003-08-28 15:23:09 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-06!sn-xit-04!sn-xit-01!sn-xit-09!supernews.com!news.maxwell.syr.edu!in.100proofnews.com!in.100proofnews.com!prodigy.com!newsmst01.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!newssvr24.news.prodigy.com.POSTED!7bed2bc8!not-for-mail
From: "Joshua K Drumeller" <lkfightr@swbell.net>
Newsgroups: rec.ham-radio,rec.radio.amateur
Subject: maximum permissible exposure limits for 2m mobile
Lines: 11
X-Priority: 3

X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <_gv3b.848$rc4.201@newssvr24.news.prodigy.com>
NNTP-Posting-Host: 66.138.148.129
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr24.news.prodigy.com 1062109370 ST000 66.138.148.129 (Thu, 28 Aug 2003 18:22:50 EDT)
NNTP-Posting-Date: Thu, 28 Aug 2003 18:22:50 EDT
Organization: SBC http://yahoo.sbc.com
X-UserInfo1:
OHZEB]CDRBT[C_H]]ZN@_TDAYZOZ@GXOXZYT]UEK@YUDUWYAKVUOPCW[ML\JXUCKVFDYZKBMSFX^OMSAFN
TINTDDMVW[X\THOPXZRVOCJTUTPC_JSBVX\KAOTBAJBVMZTYAKMNLDI_MFDSSOLXINH__FS^\WQGHGI^C
@E[A_CF\AQLDQ\BTMPLDFNVUQ_VM
Date: Thu, 28 Aug 2003 22:22:50 GMT
Xref: archiver1.google.com rec.radio.amateur:5805

First of all, forgive my cross posting. I was not sure where would be best.

I am a new ham. I have been looking around for some mobile 2m radios to put in my car. Some of them I see are capable of 50w 65w or 75w transmit power. Would I need to do any kind of MPE calculations for radios that transmit above 50watts for mobile radios? Considering that an antenna mounted on the top of the car and that exposure would be only momentary to anyone I drive by.

From -2539379371779728313
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4a31b3faa971a4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,a4a31b3faa971a4
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2003-08-31 07:47:08 PST
Path: archiver1.google.com!postnews1.google.com!not-for-mail
From: dansawyer@earthlink.net (Dan Sawyer)
Newsgroups: rec.ham-radio,rec.radio.amateur
Subject: Re: maximum permissible exposure limits for 2m mobile
Date: 31 Aug 2003 07:47:07 -0700
Organization: http://groups.google.com/
Lines: 18
Message-ID: <d8df9861.0308310647.52930775@posting.google.com>
References: <_gv3b.848$rc4.201@newssvr24.news.prodigy.com>
NNTP-Posting-Host: 12.203.26.242
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1062341228 3199 127.0.0.1 (31 Aug 2003 14:47:08 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: 31 Aug 2003 14:47:08 GMT
Xref: archiver1.google.com rec.radio.amateur:5815

"Joshua K Drumeller" <lkfightr@swbell.net> wrote in message
news:<_gv3b.848$rc4.201@newssvr24.news.prodigy.com>...
> First of all, forgive my cross posting. I was not sure where would be best.
>
>
> I am a new ham. I have been looking around for some mobile 2m radios to put
> in my car. Some of them I see are capable of 50w 65w or 75w transmit power.
> Would I need to do any kind of MPE calculations for radios that transmit
> above 50watts for mobile radios? Considering that an antenna mounted on the
> top of the car and that exposure would be only momentary to anyone I drive
> by.

Technically yes. There is a site that will do this for you. I have
lost the link, however a search should find it.

I should show that you are within limits. (A 5 watt HT held next to
your head is worse then a 50 watt transmitter 8 feet away.)

Dan

From 6884980830895192597
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4a31b3faa971a4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,a4a31b3faa971a4
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2003-08-31 09:25:12 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-03!sn-xit-01!sn-xit-09!supernews.com!news.maxwell.syr.edu!nntp.abs.net!news-out.cwix.com!newsfeed.cwix.com!cyclone01.bloor.is.net.cable.rogers.com!news02.bloor.is.net.cable.rogers.com.POSTED!not-for-mail
From: "Fluxuated" <Fluxuated@XHotmail.com>
Newsgroups: rec.ham-radio,rec.radio.amateur
References: <_gv3b.848$rc4.201@newssvr24.news.prodigy.com>
Subject: Re: maximum permissible exposure limits for 2m mobile
Lines: 23
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <ajp4b.51484$kH3.4894@news02.bloor.is.net.cable.rogers.com>
Date: Sun, 31 Aug 2003 16:24:38 GMT
NNTP-Posting-Host: 24.100.67.214
X-Complaints-To: abuse@rogers.com
X-Trace: news02.bloor.is.net.cable.rogers.com 1062347078 24.100.67.214 (Sun, 31 Aug 2003 12:24:38 EDT)
NNTP-Posting-Date: Sun, 31 Aug 2003 12:24:38 EDT
Xref: archiver1.google.com rec.radio.amateur:5817

Eat right, excercise, Die Anyways.

Don't worry about it.

"Joshua K Drumeller" <lkfightr@swbell.net> wrote in message
news:_gv3b.848$rc4.201@newssvr24.news.prodigy.com...
> First of all, forgive my cross posting. I was not sure where would be
best.
>
>
> I am a new ham. I have been looking around for some mobile 2m radios to
put
> in my car. Some of them I see are capable of 50w 65w or 75w transmit
power.
> Would I need to do any kind of MPE calculations for radios that transmit
> above 50watts for mobile radios? Considering that an antenna mounted on
the
> top of the car and that exposure would be only momentary to anyone I drive
> by.
>
>

From -5225885585298097224
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b8313cb81a65bf
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,b8313cb81a65bf
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,b8313cb81a65bf
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,b8313cb81a65bf
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,b8313cb81a65bf
X-Google-Attributes: gidfc2a5,public
X-Google-ArrivalTime: 2003-09-03 22:25:15 PST
Path: archiver1.google.com!postnews1.google.com!not-for-mail
From: kavall@yahoo.com (Kavall)
Newsgroups: rec.radio.amateur,alt.radio.amateur,alt.ham-radio,rec.ham-radio,rec.radio.amateur.homebrew
Subject: Re: Battery matching solution?
Date: 3 Sep 2003 22:25:14 -0700
Organization: http://groups.google.com/
Lines: 13
Message-ID: <a393ed14.0309032125.53a64a9a@posting.google.com>
References: <3F4051E2.64CD6570@NoDirectMail.com>
<gEKdnTJZnvMNZt2iXTWJhw@comcast.com>
NNTP-Posting-Host: 130.156.129.254
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1062653115 17763 127.0.0.1 (4 Sep 2003 05:25:15 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: 4 Sep 2003 05:25:15 GMT

Xref: archiver1.google.com rec.radio.amateur:5831 rec.radio.amateur.homebrew:25346

Battery matching.

Here is how I would go about it. Charge the cells individually untill their voltage starts to drop, aka. peak charge them. Measure the peak voltage. Then hook them to a fixed load and measure their discharge time to 0.9V. Let the cell rest. The next day repeat. Take the measurements and compare close discharge times and close peak voltages. If you could measure internal resistance it would be nice, but I don't know of a simple way. In my opinion the important qualities are.
1. Close discharge times
2. Close and low internal resistances
3. Close peak voltages

From 1325669080691149301
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4a31b3faa971a4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,a4a31b3faa971a4
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2003-09-03 23:17:48 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-04!sn-xit-03!sn-xit-06!sn-xit-09!supernews.com!yellow.newsread.com!netaxs.com!newsread.com!newsstand.newsread.com!POSTED.newshog.newsread.com!not-for-mail
From: Roger Halstead <newsgroups@rogerhalstead.com>
Newsgroups: rec.ham-radio,rec.radio.amateur
Subject: Re: maximum permissible exposure limits for 2m mobile
Message-ID: <b5mdlvc0nf7dd8ikpk2k2ftaldqnkmqi9c@4ax.com>
References: <_gv3b.848$rc4.201@newssvr24.news.prodigy.com>
<d8df9861.0308310647.52930775@posting.google.com>
X-Newsreader: Forte Agent 1.93/32.576 English (American)
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 31
Date: Thu, 04 Sep 2003 06:17:24 GMT
NNTP-Posting-Host: 64.7.164.69
X-Complaints-To: Abuse Role <abuse@tm.net>, We Care <abuse@newsread.com>
X-Trace: newshog.newsread.com 1062656244 64.7.164.69 (Thu, 04 Sep 2003 02:17:24 EDT)
NNTP-Posting-Date: Thu, 04 Sep 2003 02:17:24 EDT
Organization: The Mercury Network (tm.net)
Xref: archiver1.google.com rec.radio.amateur:5832

On 31 Aug 2003 07:47:07 -0700, dansawyer@earthlink.net (Dan Sawyer) wrote:

>"Joshua K Drumeller" <lkfightr@swbell.net> wrote in message news:<_gv3b.848$rc4.201@newssvr24.news.prodigy.com>...
>> First of all, forgive my cross posting. I was not sure where would be best.

```
>>
>>
>> I am a new ham. I have been looking around for some mobile 2m radios to put
>> in my car. Some of them I see are capable of 50w 65w or 75w transmit power.
>> Would I need to do any kind of MPE calculations for radios that transmit
>> above 50watts for mobile radios? Considering that an antenna mounted on the
>> top of the car and that exposure would be only momentary to anyone I drive
>> by.
>
>Technically yes. There is a site that will do this for you. I have
>lost the link, however a search should find it.
>
>I should show that you are within limits. (A 5 watt HT held next to
>your head is worse then a 50 watt transmitter 8 feet away.)
>
```

With out doing the math, I'd bet the HT has a stronger signal level
against the side of your head than a KW at 10 feet.

Any one care to do the math?

Roger Halstead (K8RI EN73 & ARRL Life Member)
www.rogerhalstead.com
N833R World's oldest Debonair? (S# CD-2)
>Dan

```
From 4205873648807694728
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b8313cb81a65bf
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,b8313cb81a65bf
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,b8313cb81a65bf
X-Google-Attributes: gid108778,public
X-Google-Thread: fc2a5,b8313cb81a65bf
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,b8313cb81a65bf
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2003-09-04 08:48:10 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!cyclone.bc.net!
snoopy.risq.qc.ca!newsfeed.news2me.com!newsfeed2.easynews.com!
newsfeed1.easynews.com!easynews.com!easynews!bigfeed2.bellsouth.net!
news.bellsouth.net!elnk-atl-nf1!newsfeed.earthlink.net!prodigy.com!
newsmst01.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr23.news.prodigy.com.POSTED!7bed2bc8!not-for-mail
From: "Joshua K Drumeller" <lkfightr@swbell.net>
Newsgroups: rec.radio.amateur,alt.radio.amateur,alt.ham-radio,rec.ham-
radio,rec.radio.amateur.homebrew
References: <3F4051E2.64CD6570@NoDirectMail.com>
<gEKdnTJZnvMNZt2iXTWJhw@comcast.com>
<a393ed14.0309032125.53a64a9a@posting.google.com>
```

Subject: Re: Battery matching solution?
Lines: 29
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <w8J5b.69$dC6.47@newssvr23.news.prodigy.com>
NNTP-Posting-Host: 66.138.148.129
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr23.news.prodigy.com 1062690460 ST000 66.138.148.129 (Thu, 04 Sep 2003 11:47:40 EDT)
NNTP-Posting-Date: Thu, 04 Sep 2003 11:47:40 EDT
Organization: SBC http://yahoo.sbc.com
X-UserInfo1: SCSYQN_@FS@KRSPYGZJTO\
\BUSXHQD\MNPWZKB]MPXHJUZ]CDVW[AKK[J\]^HVKHG^EWZHBLO^[\NH_AZFWGN^\DHNVMX_DHHX[FSQKBOTS@@BP^]C@RHS_AGDDC[AJM_T[GZNRNZAY]GNCPBDYKOLK^_CZFWPGHZIXW@C[AFKBBQS@E@DAZ]VDFUNTQQ]FN
Date: Thu, 04 Sep 2003 15:47:40 GMT
Xref: archiver1.google.com rec.radio.amateur:5833 rec.radio.amateur.homebrew:25351

The internal resistance of the battery changes as the battery is discharged.
Also things like temperature, age and other factors effect it.
I think the proper way to test your battery is to fully charge it to the manufacturer specification and discharge it at a given amp hour rate.
Compare your discharge curve with the manufacturer. Choose the same discharge rate that the manufacturer does btw. If your curve is a little less than what the manufacturer says then your probably ok. If it is much less then you need a new battery.

Josh

"Kavall" <kavall@yahoo.com> wrote in message
news:a393ed14.0309032125.53a64a9a@posting.google.com...
> Battery matching.
>
> Here is how I would go about it. Charge the cells individually untill
> their voltage starts to drop, aka. peak charge them. Measure the peak
> voltage. Then hook them to a fixed load and measure their discharge
> time to 0.9V. Let the cell rest. The next day repeat. Take the
> measurements and compare close discharge times and close peak
> voltages. If you could measure internal resistance it would be nice,
> but I don't know of a simple way. In my opinion the important
> qualities are.
> 1. Close discharge times
> 2. Close and low internal resistances
> 3. Close peak voltages

From -42117408388630111
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,a4a31b3faa971a4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,a4a31b3faa971a4
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2003-09-12 06:29:28 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-03!sn-xit-06!sn-
xit-08!supernews.com!border3.nntp.aus1.giganews.com!nntp.giganews.com!wn14feed!
worldnet.att.net!204.127.198.203!attbi_feed3!attbi_feed4!attbi.com!
rwcrnsc51.ops.asp.att.net.POSTED!not-for-mail
From: "BuckEye" <Bill@comecast.net>
Newsgroups: rec.ham-radio,rec.radio.amateur
References: <_gv3b.848$rc4.201@newssvr24.news.prodigy.com>
<d8df9861.0308310647.52930775@posting.google.com>
<b5mdlvc0nf7dd8ikpk2k2ftaldqnkmqi9c@4ax.com>
Subject: Re: maximum permissible exposure limits for 2m mobile
Lines: 6
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <FSj8b.43239$mp.18874@rwcrnsc51.ops.asp.att.net>
NNTP-Posting-Host: 12.238.30.166
X-Complaints-To: abuse@comcast.net
X-Trace: rwcrnsc51.ops.asp.att.net 1063373349 12.238.30.166 (Fri, 12 Sep 2003
13:29:09 GMT)
NNTP-Posting-Date: Fri, 12 Sep 2003 13:29:09 GMT
Organization: Comcast Online
Date: Fri, 12 Sep 2003 13:29:09 GMT
Xref: archiver1.google.com rec.radio.amateur:5844
```

Who gives a shit., been doing it for years.

Has nott t affecttteddd myyy ssspppeellinngg yetttt.

```
From 459444696996002148
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4a31b3faa971a4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,a4a31b3faa971a4
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2003-09-13 05:57:58 PST
Path: archiver1.google.com!postnews1.google.com!not-for-mail
From: VE1BLL@rac.ca (J. Harvey)
Newsgroups: rec.ham-radio,rec.radio.amateur
Subject: Re: maximum permissible exposure limits for 2m mobile
Date: 13 Sep 2003 05:57:56 -0700
Organization: http://groups.google.com/
Lines: 23
Message-ID: <8a615218.0309130457.8d49c48@posting.google.com>
```

References: <_gv3b.848$rc4.201@newssvr24.news.prodigy.com>
NNTP-Posting-Host: 165.154.162.16
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1063457877 22993 127.0.0.1 (13 Sep 2003 12:57:57 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: 13 Sep 2003 12:57:57 GMT
Xref: archiver1.google.com rec.radio.amateur:5845

"Joshua K Drumeller"
> ...MPE calculations for radios that
> transmit above 50watts for mobile radios?

Canada just happens to be a world leader in this field. The body of knowledge is summed up quite nicely in Health Canada's 'Safety Code 6'.

www.hc-sc.gc.ca/hecs-sesc/ccrpb/publication/99ehd237/toc.htm

More links:
www.google.com/search?q=health+canada+safety+code+6

In general, if your 2m antenna was mounted on the trunk lid and someone was sitting in the back seat and you transmitted 50 or 75 watts for the full six minute averaging interval, you might be in a situation where you'd be in excess of the guidelines. In other words, your passenger's head might get slightly hotter than recommended. With a top mounted (VHF) antenna, there is not likely to be any problem - but who knows without checking... You're in the nearfield and that complicates things...

The whole RF Safety field is still somewhat immature (IMHO).

From -3288016030612937309
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4a31b3faa971a4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,a4a31b3faa971a4
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2003-09-15 05:52:55 PST
Path: archiver1.google.com!postnews1.google.com!not-for-mail
From: harryhydro@hotmail.com (harry)
Newsgroups: rec.ham-radio,rec.radio.amateur
Subject: Re: maximum permissible exposure limits for 2m mobile
Date: 15 Sep 2003 05:52:53 -0700
Organization: http://groups.google.com/
Lines: 32
Message-ID: <10e8ec27.0309150452.744cd125@posting.google.com>
References: <_gv3b.848$rc4.201@newssvr24.news.prodigy.com>
<8a615218.0309130457.8d49c48@posting.google.com>
NNTP-Posting-Host: 151.142.239.11
Content-Type: text/plain; charset=ISO-8859-1

```
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1063630375 4510 127.0.0.1 (15 Sep 2003 12:52:55 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: 15 Sep 2003 12:52:55 GMT
Xref: archiver1.google.com rec.radio.amateur:5851
```

VE1BLL@rac.ca (J. Harvey) wrote in message
news:<8a615218.0309130457.8d49c48@posting.google.com>...

> "Joshua K Drumeller"
>
> > ...MPE calculations for radios that transmit above 50watts for mobile radios?
>
> Canada just happens to be a world leader in this field. The body of knowledge is summed up quite nicely in Health Canada's 'Safety Code 6'.
>
> www.hc-sc.gc.ca/hecs-sesc/ccrpb/publication/99ehd237/toc.htm
>
> More links:
> www.google.com/search?q=health+canada+safety+code+6
>
> In general, if your 2m antenna was mounted on the trunk lid and someone was sitting in the back seat and you transmitted 50 or 75 watts for the full six minute averaging interval, you might be in a situation where you'd be in excess of the guidelines. In other words, your passenger's head might get slightly hotter than recommended. With a top mounted (VHF) antenna, there is not likely to be any problem - but who knows without checking... You're in the nearfield and that complicates things...
>
> The whole RF Safety field is still somewhat immature (IMHO).

Hi Folks:

A buddy of mine in the RF field of the military use to stand in front of microwave satellite transmitting dishes to keep warm on the really cold days. He said you, "..feel warm all over!". Sounds nuts! Today he's well over 80 and still cuts his own grass.. Must be OK..

Harry

```
From 4009896197490053220
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4a31b3faa971a4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,a4a31b3faa971a4
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2003-09-16 00:53:29 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-03!sn-xit-01!sn-
xit-06!sn-xit-08!supernews.com!priapus.visi.com!news-out.visi.com!petbe.visi.com!
yellow.newsread.com!news-toy.newsread.com!netaxs.com!newsread.com!
POSTED.monger.newsread.com!not-for-mail
From: Roger Halstead <newsgroups@rogerhalstead.com>
```

Newsgroups: rec.ham-radio,rec.radio.amateur
Subject: Re: maximum permissible exposure limits for 2m mobile
Message-ID: <qrfdmv09m9gnof4hcajqvlt5bde86utjro@4ax.com>
References: <_gv3b.848$rc4.201@newssvr24.news.prodigy.com>
<8a615218.0309130457.8d49c48@posting.google.com>
X-Newsreader: Forte Agent 1.93/32.576 English (American)
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 37
Date: Tue, 16 Sep 2003 07:47:06 GMT
NNTP-Posting-Host: 64.7.164.69
X-Complaints-To: Abuse Role <abuse@tm.net>, We Care <abuse@newsread.com>
X-Trace: monger.newsread.com 1063698426 64.7.164.69 (Tue, 16 Sep 2003 03:47:06 EDT)
NNTP-Posting-Date: Tue, 16 Sep 2003 03:47:06 EDT
Organization: The Mercury Network (tm.net)
Xref: archiver1.google.com rec.radio.amateur:5855

On 13 Sep 2003 05:57:56 -0700, VE1BLL@rac.ca (J. Harvey) wrote:

>"Joshua K Drumeller"
>> ...MPE calculations for radios that
>> transmit above 50watts for mobile radios?
>
>Canada just happens to be a world leader in this field. The body of
>knowledge is summed up quite nicely in Health Canada's 'Safety Code
>6'.
>
>www.hc-sc.gc.ca/hecs-sesc/ccrpb/publication/99ehd237/toc.htm

The problem is, no one really knows what is safe and what is not...Unless it is doing obvious damage.

With a 2-meter mobile I'd not worry a bit running 160 to 320 watts to the antenna. Standing beside the car should be no worse than using an HT with the antenna against the side of your head.

Roger Halstead (K8RI EN73 & ARRL Life Member)
www.rogerhalstead.com
N833R World's oldest Debonair? (S# CD-2)
>
>More links:
>www.google.com/search?q=health+canada+safety+code+6
>
>In general, if your 2m antenna was mounted on the trunk lid and
>someone was sitting in the back seat and you transmitted 50 or 75
>watts for the full six minute averaging interval, you might be in a
>situation where you'd be in excess of the guidelines. In other words,
>your passenger's head might get slightly hotter than recommended.
>With a top mounted (VHF) antenna, there is not likely to be any
>problem - but who knows without checking... You're in the nearfield
>and that complicates things...

>
>The whole RF Safety field is still somewhat immature (IMHO).

```
From 8253857561867670614
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f013d22ea2e55f1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,4f013d22ea2e55f1,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,4f013d22ea2e55f1,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,4f013d22ea2e55f1,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fc8b1,4f013d22ea2e55f1,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa656,4f013d22ea2e55f1,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,4f013d22ea2e55f1,start
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2003-09-28 07:28:18 PST
Path: news1.google.com!sn-xit-02!sn-xit-06!sn-xit-08!supernews.com!news-
out.visi.com!petbe.visi.com!newsfeeds-atl2!news.webusenet.com!elnk-atl-nf1!
newsfeed.earthlink.net!prodigy.com!prodigy.com!newsmst01.news.prodigy.com!
prodigy.com!postmaster.news.prodigy.com!newssvr31.news.prodigy.com.POSTED!
d3237d97!not-for-mail
From: "Larry" <oops@poops.net>
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatancho
rs,rec.radio.amateur.swap
Subject: FA: Power Cords for Heathkit SB-400 and SB-401
Lines: 14
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <hdCdb.10735$BI7.10645@newssvr31.news.prodigy.com>
NNTP-Posting-Host: 64.252.147.210
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr31.news.prodigy.com 1064759245 ST000 64.252.147.210 (Sun, 28 Sep
2003 10:27:25 EDT)
NNTP-Posting-Date: Sun, 28 Sep 2003 10:27:25 EDT
Organization: SBC http://yahoo.sbc.com
X-UserInfo1:
SCSYQNONYJVWC_LZ@@ONOQLA\Z_HPOTLLP\@NB]MPXMTWA]EPEWUQBKZQLYJX\_ITFD_KFVLUN[DOM_A_N
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QCOA_SAH@TPD^\AL\RLGRFWEARBM
Date: Sun, 28 Sep 2003 14:27:25 GMT
Xref: news1.google.com rec.ham-radio.swap:5 rec.radio.amateur:10
rec.radio.amateur.antenna:146 rec.radio.amateur.boatanchors:83
rec.radio.amateur.swap:16
```

FA: Power Cords for Heathkit SB-400 and SB-401

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&category=4675&item=3049635268

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&category=4675&item=3049472172
A: Power Cords for Heathkit SB-400 and SB-401

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&category=4675&item=3049635268

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&category=4675&item=3049472172

From -9073094991173807061
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b9bc39e3a8243632,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,b9bc39e3a8243632,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc8b1,b9bc39e3a8243632,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1031c8,b9bc39e3a8243632,start
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2003-10-05 22:52:55 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-06!sn-xit-01!sn-xit-08!supernews.com!small1.nntp.aus1.giganews.com!nntp.giganews.com!cyclone1.gnilink.net!chi1.webusenet.com!news.webusenet.com!pd2nf1so.cg.shawcable.net!residential.shaw.ca!pd7cy1no!shaw.ca!pd7tw3no.POSTED!53ab2750!not-for-mail
X-Trace-PostClient-IP: 68.144.176.244
From: "Peter Christensen" <peter.christensen@shaw.ca>
Newsgroups: rec.ham-radio.swap,rec.ham-radio,rec.radio.amateur.swap,rec.ham-radio.swap,rec.radio.amateur.boatanchors
Subject: FS Ham Equiptment.
Lines: 42
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <Sq7gb.30445$pl3.24898@pd7tw3no>
Date: Mon, 06 Oct 2003 05:52:50 GMT
NNTP-Posting-Host: 24.71.223.147
X-Complaints-To: abuse@shaw.ca
X-Trace: pd7tw3no 1065419570 24.71.223.147 (Sun, 05 Oct 2003 23:52:50 MDT)
NNTP-Posting-Date: Sun, 05 Oct 2003 23:52:50 MDT
Organization: Shaw Residential Internet
Xref: archiver1.google.com rec.ham-radio.swap:3237 rec.radio.amateur.swap:21 rec.radio.amateur.boatanchors:141

Blank1. Kenwood transceiver TS-430s, with am, fm, cw, ssb and cw crystal. With this transceiver comes a PS-430 power supply, Mc-60 mike, a hand mike, a AT-250 automatic antenna tuner, and all their manuals. The price is $475.00 US plus shipping costs.

2 One Kenwood 9R-59D communications receiver and its' manual. The cost of this rare receiver is $100.00 US plus shipping costs.

3 One Kenwood KPS-12 power supply. $50.00 US plus shipping costs.

4. One Yaesu FRG-7700 communications receiver with its' manual, a Yaesu FRT-7700 antenna tuner, a Bencher audio filter and a Palomar lf converter. The price is $250.00 US plus shipping costs.

5. One Radio Shack DX 440 portable communications receiver. $50.00 plus shipping costs.

6 One ICOM IC-505 6 meter all mode transceiver. $125.00 US plus shipping costs.

7.One Amrco 1.6-54 mcs pre-amp. $30.00 US plus shipping costs.

8. One Astatic chromed and amplified mike. $50.00 us plus shipping costs.

9. One Eico resistance-captaincy bridge. $30.00 US plus shipping.

All this equipment looks good and it works well.

If you are interested please email me at
peter.christensen@shaw.ca
Thank you. Peter Christensen.

```
From -5056872968074366586
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b9bc39e3a8243632
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc8b1,b9bc39e3a8243632
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f76e2,b9bc39e3a8243632
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,b9bc39e3a8243632
X-Google-Attributes: gid1031c8,public
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X-Google-ArrivalTime: 2003-10-08 13:21:05 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!cyclone.bc.net!sjc70.webusenet.com!news.webusenet.com!pd2nf1so.cg.shawcable.net!residential.shaw.ca!pd7cy1no!shaw.ca!pd7tw2no.POSTED!53ab2750!not-for-mail
X-Trace-PostClient-IP: 68.144.176.244
From: "Peter Christensen" <peter.christensen@shaw.ca>
Newsgroups: rec.ham-radio.swap,rec.ham-radio,rec.radio.amateur.swap,rec.ham-radio.swap,rec.radio.amateur.boatanchors
References: <Sq7gb.30445$pl3.24898@pd7tw3no>
Subject: Re: FS Ham Equiptment.
Lines: 47
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Message-ID: <Qk_gb.47455$9l5.4152@pd7tw2no>
Date: Wed, 08 Oct 2003 20:21:04 GMT
NNTP-Posting-Host: 24.71.223.147
X-Complaints-To: abuse@shaw.ca
X-Trace: pd7tw2no 1065644464 24.71.223.147 (Wed, 08 Oct 2003 14:21:04 MDT)
NNTP-Posting-Date: Wed, 08 Oct 2003 14:21:04 MDT
Organization: Shaw Residential Internet
Xref: archiver1.google.com rec.ham-radio.swap:3245 rec.radio.amateur.swap:25 rec.radio.amateur.boatanchors:208

I have sold the Icom 505 and the DX 440.Peter
"Peter Christensen" <peter.christensen@shaw.ca> wrote in message
news:Sq7gb.30445$pl3.24898@pd7tw3no...
> Blank1. Kenwood transceiver TS-430s, with am, fm,
> cw, ssb and cw crystal. With this transceiver
> comes a PS-430 power supply, Mc-60 mike,
> a hand mike, a AT-250 automatic antenna
> tuner, and all their manuals. The price is
> $475.00 US plus shipping costs.
>
> 2 One Kenwood 9R-59D communications
> receiver and its' manual. The cost of this
> rare receiver is $100.00 US plus shipping costs.
>
> 3 One Kenwood KPS-12 power supply. $50.00 US
> plus shipping costs.
>
> 4. One Yaesu FRG-7700 communications receiver
> with its' manual, a Yaesu FRT-7700 antenna tuner, a
> Bencher audio filter and a Palomar lf converter.
> The price is $250.00 US plus shipping costs.
>
> 5. One Radio Shack DX 440 portable communications
> receiver. $50.00 plus shipping costs.
>
> 6 One ICOM IC-505 6 meter all mode transceiver.
> $125.00 US plus shipping costs.
>

> 7.One Amrco 1.6-54 mcs pre-amp. $30.00 US plus shipping
> costs.
>
> 8. One Astatic chromed and amplified mike. $50.00 us
> plus shipping costs.
>
> 9. One Eico resistance-captaincy bridge. $30.00 US
> plus shipping.
>
> All this equipment looks good and it works well.
>
> If you are interested please email me at
> peter.christensen@shaw.ca
> Thank you. Peter Christensen.
>
>
>

From -1525709396092048816
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,27f89b2feca5a889,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,27f89b2feca5a889,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f7810,27f89b2feca5a889,start
X-Google-Attributes: gidf7810,public
X-Google-Thread: f4306,27f89b2feca5a889,start
X-Google-Attributes: gidf4306,public
X-Google-Thread: 114671,27f89b2feca5a889,start
X-Google-Attributes: gid114671,public
X-Google-Thread: f76e2,27f89b2feca5a889,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,27f89b2feca5a889,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fb049,27f89b2feca5a889,start
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2003-10-16 18:22:42 PST
Path: archiver1.google.com!news2.google.com!fu-berlin.de!newsfeed.stueberl.de!kibo.news.demon.net!news.demon.co.uk!demon!radioamateur.org.uk!neil
From: Neil Hosker <neil@radioamateur.org.uk>
Newsgroups: alt.ham-radio.dxing,alt.ham-radio.marketplace,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,aus.radio.amateur.misc,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur.antenna,uk.radio.amateur
Subject: Re: Frequency Steps 5/10kHz as opposed to 12.5/25kHz
Date: Thu, 16 Oct 2003 18:41:30 +0100
Lines: 38
Message-ID: <tHM5omOKhtj$EwpC@morgan2.demon.co.uk>
References: <3f8e541c_1@news.tm.net.my>
NNTP-Posting-Host: morgan2.demon.co.uk
Mime-Version: 1.0

Content-Type: text/plain;charset=us-ascii
X-Trace: news.demon.co.uk 1066332692 13193 158.152.198.158 (16 Oct 2003 19:31:32 GMT)
X-Complaints-To: abuse@demon.net
NNTP-Posting-Date: Thu, 16 Oct 2003 19:31:32 +0000 (UTC)
User-Agent: Turnpike/6.02-S (<hc$$CQ0ZApoKQIM9DkNI7R2Dt7>)
Xref: archiver1.google.com alt.ham-radio.marketplace:15121 alt.ham-radio.packet:4026 alt.ham-radio.vhf-uhf:20167 aus.radio.amateur.misc:12720 rec.ham-radio.swap:3256 rec.radio.amateur.antenna:893 uk.radio.amateur:2098

In message <3f8e541c_1@news.tm.net.my>, noone <noone@nowhere.com> writes
>How do I change my FT23R to tune in 5kHz/10kHz steps as opposed to
>12.5kHz/25kHz ?
>
>I asked Yaesu and they replied:
>> On the FT-23 there were 5 versions .Ver A,D and E have the 5 and 10 kHz
>> steps .The ver B and C have the 12.5 and 25 kHz steps. The steps are most
>> of the time able to be changed with jumper settings. I don't know what the
>> jumper setting are for either the USA ver or EUR ver.I don't have a radio
>> in house to open up to take a look at.
>
>I opened up my unit and the following pad configuration was noted:
>3 Open
>5 Open
>6 Open
>7 Open
>8 Open
>9 Closed
>10 Open
>
>Pads 7, 8, 9 change the frequency range and whether the radio operates in
>commercial (readout in channels) or amateur mode (readout in MHz). I have
>searched the Internet and found hundreds of frequency *range* mods but could
>not find any frequency *step* modifications.
>
>Can anyone provide the jumper setting or other information (perhaps someone
>with a 5/10kHz ft23r could look into their unit and report their jumper
>settings)?
>
>

I believe you need to change a reference crystal as well as fiddle with
the jumpers.....

--
  Neil Hosker

* Reply to neil@radioamateur.org.uk *

From 3343694058046383212
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,27f89b2feca5a889

```
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,27f89b2feca5a889
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f7810,27f89b2feca5a889
X-Google-Attributes: gidf7810,public
X-Google-Thread: fddbf,27f89b2feca5a889
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fb049,27f89b2feca5a889
X-Google-Attributes: gidfb049,public
X-Google-Thread: 114671,27f89b2feca5a889
X-Google-Attributes: gid114671,public
X-Google-Thread: f76e2,27f89b2feca5a889
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f4306,27f89b2feca5a889
X-Google-Attributes: gidf4306,public
X-Google-ArrivalTime: 2003-10-16 18:24:13 PST
Path: archiver1.google.com!news2.google.com!fu-berlin.de!newsfeed01.sul.t-
online.de!t-online.de!newspeer1-gui.server.ntli.net!ntli.net!newsfep4-
winn.server.ntli.net.POSTED!53ab2750!not-for-mail
From: "mike" <mike-g7bnf@nospam.co.uk>
Newsgroups: alt.ham-radio.dxing,alt.ham-radio.marketplace,alt.ham-
radio.packet,alt.ham-radio.vhf-uhf,aus.radio.amateur.misc,rec.ham-radio,rec.ham-
radio.packet,rec.ham-radio.swap,rec.radio.amateur.antenna,uk.radio.amateur
References: <3f8e541c_1@news.tm.net.my> <tHM5omOKhtj$EwpC@morgan2.demon.co.uk>
Subject: Re: Frequency Steps 5/10kHz as opposed to 12.5/25kHz
Lines: 52
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <DGCjb.4194$mM1.1137@newsfep4-winn.server.ntli.net>
Date: Thu, 16 Oct 2003 20:52:59 +0100
NNTP-Posting-Host: 80.6.112.220
X-Complaints-To: abuse@ntlworld.com
X-Trace: newsfep4-winn.server.ntli.net 1066333987 80.6.112.220 (Thu, 16 Oct 2003
20:53:07 BST)
NNTP-Posting-Date: Thu, 16 Oct 2003 20:53:07 BST
Organization: ntl Cablemodem News Service
Xref: archiver1.google.com alt.ham-radio.marketplace:15122 alt.ham-
radio.packet:4027 alt.ham-radio.vhf-uhf:20168 aus.radio.amateur.misc:12721
rec.ham-radio.swap:3257 rec.radio.amateur.antenna:894 uk.radio.amateur:2099

no u don't it is a jumper change
working on it
reply soon
mike

"Neil Hosker" <neil@radioamateur.org.uk> wrote in message
news:tHM5omOKhtj$EwpC@morgan2.demon.co.uk...
> In message <3f8e541c_1@news.tm.net.my>, noone <noone@nowhere.com> writes
> >How do I change my FT23R to tune in 5kHz/10kHz  steps as opposed to
> >12.5kHz/25kHz ?
> >
> >I asked Yaesu and they replied:
> >> On the FT-23 there were 5 versions .Ver A,D and E have the 5 and 10 kHz
> >> steps .The ver B and C have the 12.5 and 25 kHz steps. The steps are
most
> >> of the time able to be changed with jumper settings. I don't know what
the
> >> jumper setting are for either the USA ver or EUR ver.I don't have a
radio
> >> in house to open up to take a look at.
> >
> >I opened up my unit and the following pad configuration was noted:
> >3  Open
> >5  Open
> >6  Open
> >7  Open
> >8  Open
> >9  Closed
> >10 Open
> >
> >Pads 7, 8, 9 change the frequency range and whether the radio operates in
> >commercial (readout in channels) or amateur mode (readout in MHz). I have
> >searched the Internet and found hundreds of frequency *range* mods but
could
> >not find any frequency *step* modifications.
> >
> >Can anyone provide the jumper setting or other information (perhaps
someone
> >with a 5/10kHz ft23r could look into their unit and report their jumper
> >settings)?
> >
> >
>
> I believe you need to change a reference crystal as well as fiddle with
> the jumpers.....
>
> --
>   Neil Hosker
>
> * Reply to neil@radioamateur.org.uk *




From -4241897687316972557
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,27f89b2feca5a889
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,27f89b2feca5a889
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,27f89b2feca5a889
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fb049,27f89b2feca5a889
X-Google-Attributes: gidfb049,public
```

X-Google-Thread: f76e2,27f89b2feca5a889
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f7810,27f89b2feca5a889
X-Google-Attributes: gidf7810,public
X-Google-Thread: f4306,27f89b2feca5a889
X-Google-Attributes: gidf4306,public
X-Google-Thread: 114671,27f89b2feca5a889
X-Google-Attributes: gid114671,public
X-Google-ArrivalTime: 2003-10-16 18:25:14 PST
Path: archiver1.google.com!news1.google.com!news2.google.com!fu-berlin.de!newsfeed.tiscali.ch!newsfeed.freenet.de!194.168.4.91.MISMATCH!newspeer1-gui.server.ntli.net!ntli.net!newsfep4-winn.server.ntli.net.POSTED!53ab2750!not-for-mail
From: "mike" <mike-g7bnf@nospam.co.uk>
Newsgroups: alt.ham-radio.dxing,alt.ham-radio.marketplace,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,aus.radio.amateur.misc,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur.antenna,uk.radio.amateur
References: <3f8e541c_1@news.tm.net.my> <tHM5omOKhtj$EwpC@morgan2.demon.co.uk> <DGCjb.4194$mM1.1137@newsfep4-winn.server.ntli.net>
Subject: Re: Frequency Steps 5/10kHz as opposed to 12.5/25kHz
Lines: 75
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <%TCjb.4210$mM1.2550@newsfep4-winn.server.ntli.net>
Date: Thu, 16 Oct 2003 21:07:16 +0100
NNTP-Posting-Host: 80.6.112.220
X-Complaints-To: abuse@ntlworld.com
X-Trace: newsfep4-winn.server.ntli.net 1066334843 80.6.112.220 (Thu, 16 Oct 2003 21:07:23 BST)
NNTP-Posting-Date: Thu, 16 Oct 2003 21:07:23 BST
Organization: ntl Cablemodem News Service
Xref: archiver1.google.com alt.ham-radio.marketplace:15123 alt.ham-radio.packet:4028 alt.ham-radio.vhf-uhf:20169 aus.radio.amateur.misc:12722 rec.ham-radio.swap:3258 rec.radio.amateur.antenna:895 uk.radio.amateur:2100

1stly sorry Nick!!!...it is an xtal change as well!.
my jpg file was rather small!

go here for the service manual ftp://80.164.5.88/yaesu-service/
then see image47 in the ft23r service manual file.

i have had one for almost 20yrs now, magic 'bullet proof' radio.

though i warn u...the mod needs the VCO unit removing!!
NOT easy.

mike
P.S sri agn to Nick.

"mike" <mike-g7bnf@nospam.co.uk> wrote in message

news:DGCjb.4194$mM1.1137@newsfep4-winn.server.ntli.net...
> no u don't it is a jumper change
> working on it
> reply soon
> mike
>
> "Neil Hosker" <neil@radioamateur.org.uk> wrote in message
> news:tHM5omOKhtj$EwpC@morgan2.demon.co.uk...
> > In message <3f8e541c_1@news.tm.net.my>, noone <noone@nowhere.com> writes
> > >How do I change my FT23R to tune in 5kHz/10kHz steps as opposed to
> > >12.5kHz/25kHz ?
> > >
> > >I asked Yaesu and they replied:
> > >> On the FT-23 there were 5 versions .Ver A,D and E have the 5 and 10
kHz
> > >> steps .The ver B and C have the 12.5 and 25 kHz steps. The steps are
> most
> > >> of the time able to be changed with jumper settings. I don't know
what
> the
> > >> jumper setting are for either the USA ver or EUR ver.I don't have a
> radio
> > >> in house to open up to take a look at.
> > >
> > >I opened up my unit and the following pad configuration was noted:
> > >3 Open
> > >5 Open
> > >6 Open
> > >7 Open
> > >8 Open
> > >9 Closed
> > >10 Open
> > >
> > >Pads 7, 8, 9 change the frequency range and whether the radio operates
in
> > >commercial (readout in channels) or amateur mode (readout in MHz). I
have
> > >searched the Internet and found hundreds of frequency *range* mods but
> could
> > >not find any frequency *step* modifications.
> > >
> > >Can anyone provide the jumper setting or other information (perhaps
> someone
> > >with a 5/10kHz ft23r could look into their unit and report their jumper
> > >settings)?
> > >
> > >
> >
> > I believe you need to change a reference crystal as well as fiddle with
> > the jumpers.....
> >
> > --
> >   Neil Hosker

> >
> > * Reply to neil@radioamateur.org.uk *
>
>

```
From 476947090570256164
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,27f89b2feca5a889
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,27f89b2feca5a889
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,27f89b2feca5a889
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 114671,27f89b2feca5a889
X-Google-Attributes: gid114671,public
X-Google-Thread: f4306,27f89b2feca5a889
X-Google-Attributes: gidf4306,public
X-Google-Thread: f76e2,27f89b2feca5a889
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f7810,27f89b2feca5a889
X-Google-Attributes: gidf7810,public
X-Google-Thread: fb049,27f89b2feca5a889
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2003-10-17 07:15:24 PST
From: "noone" <noone@nowhere.com>
Newsgroups: alt.ham-radio.dxing,alt.ham-radio.marketplace,alt.ham-
radio.packet,alt.ham-radio.vhf-uhf,aus.radio.amateur.misc,rec.ham-radio,rec.ham-
radio.packet,rec.ham-radio.swap,rec.radio.amateur.antenna,uk.radio.amateur
References: <3f8e541c_1@news.tm.net.my> <tHM5omOKhtj$EwpC@morgan2.demon.co.uk>
<DGCjb.4194$mM1.1137@newsfep4-winn.server.ntli.net> <%TCjb.4210$mM1.2550@newsfep4-
winn.server.ntli.net>
Subject: Re: Frequency Steps 5/10kHz as opposed to 12.5/25kHz
Date: Fri, 17 Oct 2003 22:15:25 +0800
Lines: 35
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2720.3000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2727.1300
NNTP-Posting-Host: brf-130-253.tm.net.my
X-Original-NNTP-Posting-Host: brf-130-253.tm.net.my
Message-ID: <3f8ff96b_1@news.tm.net.my>
X-Trace: news.tm.net.my 1066400107 brf-130-253.tm.net.my (17 Oct 2003 22:15:07
+0800)
Organization: TMnet Malaysia
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!
feed2.news.rcn.net!rcn!news-out.cwix.com!newsfeed.cwix.com!news1.tm.net.my
Xref: archiver1.google.com alt.ham-radio.marketplace:15124 alt.ham-
radio.packet:4031 alt.ham-radio.vhf-uhf:20170 aus.radio.amateur.misc:12725
rec.ham-radio.swap:3259 rec.radio.amateur.antenna:932 uk.radio.amateur:2158
```

"mike" <mike-g7bnf@nospam.co.uk> wrote in message
news:%TCjb.4210$mM1.2550@newsfep4-winn.server.ntli.net...
> 1stly sorry Nick!!!...it is an xtal change as well!.
> my jpg file was rather small!
> go here for the service manual ftp://80.164.5.88/yaesu-service/
> then see image47 in the ft23r service manual file.
> i have had one for almost 20yrs now, magic 'bullet proof' radio.
> though i warn u...the mod needs the VCO unit removing!!
> NOT easy.

Thanks for the information.
I looked at the .jpg file, it wasnt all that clear (resolution).
The crystal needs to be replaced from 12.8MHz to 10.24MHz? (guess - can you verify?).
-> Guess based on following idea that the crystal will be pulled by the trimmer capacitor hanging
-> at the end of it and squinting at the side comments on the service manual:
-> 12.8MHz in ratio to 12.5MHz
-> 10.24MHz in ratio to 10MHz

Looks like I have to remove a lot to get to the main board (i.e. free it from the case)
and then unsolder the PLL board (which is a right angles to it) before I can unsolder/solder the bridges and perform the crystal replacement.

The ensure that the frequency is correct - by altering the trimmer and using a frequency counter.

It does look a bit difficult.

Regards,
GW7ABW

From 636205334820370161
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,27f89b2feca5a889
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,27f89b2feca5a889
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f7810,27f89b2feca5a889
X-Google-Attributes: gidf7810,public
X-Google-Thread: 114671,27f89b2feca5a889
X-Google-Attributes: gid114671,public
X-Google-Thread: f76e2,27f89b2feca5a889
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fb049,27f89b2feca5a889
X-Google-Attributes: gidfb049,public
X-Google-Thread: fddbf,27f89b2feca5a889
X-Google-Attributes: gidfddbf,public

X-Google-Thread: f4306,27f89b2feca5a889
X-Google-Attributes: gidf4306,public
X-Google-ArrivalTime: 2003-10-17 08:53:23 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!kibo.news.demon.net!news.demon.co.uk!demon!radioamateur.org.uk!neil
From: Neil Hosker <neil@radioamateur.org.uk>
Newsgroups: alt.ham-radio.dxing,alt.ham-radio.marketplace,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,aus.radio.amateur.misc,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur.antenna,uk.radio.amateur
Subject: Re: Frequency Steps 5/10kHz as opposed to 12.5/25kHz
Date: Fri, 17 Oct 2003 06:35:23 +0100
Lines: 24
Message-ID: <iN4aqnPb+3j$Ewp8@morgan2.demon.co.uk>
References: <3f8e541c_1@news.tm.net.my> <tHM5omOKhtj$EwpC@morgan2.demon.co.uk>
 <DGCjb.4194$mM1.1137@newsfep4-winn.server.ntli.net>
NNTP-Posting-Host: morgan2.demon.co.uk
Mime-Version: 1.0
Content-Type: text/plain;charset=us-ascii
X-Trace: news.demon.co.uk 1066406002 16677 158.152.198.158 (17 Oct 2003 15:53:22 GMT)
X-Complaints-To: abuse@demon.net
NNTP-Posting-Date: Fri, 17 Oct 2003 15:53:22 +0000 (UTC)
User-Agent: Turnpike/6.02-S (<hc$$CQ0ZApoKQIM9DkNI7R2Dt7>)
Xref: archiver1.google.com alt.ham-radio.marketplace:15126 alt.ham-radio.packet:4032 alt.ham-radio.vhf-uhf:20171 aus.radio.amateur.misc:12727 rec.ham-radio.swap:3260 rec.radio.amateur.antenna:944 uk.radio.amateur:2172

In message <DGCjb.4194$mM1.1137@newsfep4-winn.server.ntli.net>, mike <mike-g7bnf@nospam.co.uk> writes
>no u don't it is a jumper change
>working on it
>reply soon
>mike
>

I am curious to see what the outcome is. I have had a couple of the PMR versions of those sets (basically the same as the FT23) and you can make the display read in 5/10khz or 12.5/25khz steps by changing a jumper (not sure which now) but to actually change its RF operation from one to the other a reference crystal change was required.........

Regards

Neil

--
  Neil Hosker

* Reply to neil@radioamateur.org.uk *

From -8758440765765531556
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,3228940c5787694c,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,3228940c5787694c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,3228940c5787694c,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,3228940c5787694c,start
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,3228940c5787694c,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc8b1,3228940c5787694c,start
X-Google-Attributes: gidfc8b1,public
X-Google-ArrivalTime: 2003-11-04 22:10:31 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!skynet.be!skynet.be!louie!tlk!not-for-mail
Reply-To: "ETOLS" <etols@halfin.com>
From: "ETOLS" <etols@halfin.com>
Newsgroups: alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment
Subject: ECC81/12AT7 - 6SL7GT - 6V6GT - 6L6GC - KT88
Date: Wed, 5 Nov 2003 07:23:40 +0100
Organization: Electron Tubes OnLine Shopping
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Lines: 30
Message-ID: <3fa89457$0$29055$ba620e4c@reader1.news.skynet.be>
NNTP-Posting-Host: 194.78.202.159
X-Trace: 1068012631 reader1.news.skynet.be 29055 194.78.202.159:42118
X-Complaints-To: usenet-abuse@skynet.be
Xref: archiver1.google.com alt.ham-radio.marketplace:15257 rec.radio.amateur:5944 rec.radio.amateur.boatanchors:33479 rec.radio.amateur.equipment:46875

We would like to invite you to discover our recent updates on
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- new presentation of the homepage
- a more friendly search engine
- quick links to most wanted tubes
- new products such as tube sockets, boxes, top caps

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ECC81/12AT7	RFT	11.05 US$
6SL7GT	RUSSIAN	3.05 US$
6V6GT	RUSSIAN	3.15 US$
6L6GC	SVETLANA	13.90 US$
KT88	SVETLANA	40.00 US$

Matching 1.75 US$ per tube

But also : EM4 - F2A - GZ37 - 5300B - 6C33/CB - EF86 - F2A11 - VT4B -
RS1003 - EL34 - 12AX7 - EL84 - ECC83 - 12AU7 - 6L6 - 6SN7 .

Major brand : MULLARD - SIEMENS - TELEFUNKEN - WESTINGHOUSE - DARIO - VALVE
ART - VALVO ..

Worldwide delivery
For more : Visit http://etols.halfin.com

From -2003345646068367684
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 112d1e,f265293e2341c9e1,start
X-Google-Attributes: gid112d1e,public
X-Google-Thread: 10c9e3,f265293e2341c9e1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10f545,f265293e2341c9e1,start
X-Google-Attributes: gid10f545,public
X-Google-Thread: fc2a5,f265293e2341c9e1,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f8886,f265293e2341c9e1,start
X-Google-Attributes: gidf8886,public
X-Google-ArrivalTime: 2003-11-21 19:08:13 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!
newsfeed.mathworks.com!wn13feed!worldnet.att.net!bgtnsc04-
news.ops.worldnet.att.net.POSTED!not-for-mail
Message-ID: <3FBEDF80.70109@ftdsb.com>
From: Mike Adams <adams@ftdsb.com>
User-Agent: Mozilla/5.0 (X11; U; Linux i686; en-US; rv:0.9.4.1) Gecko/20020314
Netscape6/6.2.2
X-Accept-Language: en-us
MIME-Version: 1.0
Newsgroups:
sci.electronics.design,sci.research.careers,sci.physics.relativity,rec.ham-
radio,rec.radio.amateur.homebrew
Subject: FS: Philips BGA2031/1 MMIC variable gain amps
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
Lines: 8
Date: Sat, 22 Nov 2003 03:08:12 GMT
NNTP-Posting-Host: 12.72.171.27
X-Complaints-To: abuse@worldnet.att.net
X-Trace: bgtnsc04-news.ops.worldnet.att.net 1069470492 12.72.171.27 (Sat, 22 Nov
2003 03:08:12 GMT)
NNTP-Posting-Date: Sat, 22 Nov 2003 03:08:12 GMT
Organization: AT&T Worldnet
Xref: archiver1.google.com sci.electronics.design:10887 sci.research.careers:19994
sci.physics.relativity:11449 rec.radio.amateur.homebrew:27036

Distributors, Contract Manufacturers, OEMs, or microwave circuitry designers, this message may be of interest to you.

If you have a current or future need for Philips BGA2031/1 MMIC's, you should check out the deal at:

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=2574612712

```
From 6790056730704191155
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10807f,3b67554115ba9c22,start
X-Google-Attributes: gid10807f,public
X-Google-Thread: 10c9e3,3b67554115ba9c22,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,3b67554115ba9c22,start
X-Google-Attributes: gid106d41,public
X-Google-ArrivalTime: 2003-11-21 22:11:29 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!
newsfeed.stueberl.de!peer01.cox.net!cox.net!p01!fed1read03.POSTED!not-for-mail
From: "Renegade" <ren190@cox.kom>
Newsgroups: rec.boats,rec.ham-radio,rec.radio.cb
Subject: OT: Man gets "spam rage" over penis ad
Lines: 76
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2800.1158
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
Message-ID: <j6Dvb.10204$kl6.6450@fed1read03>
Date: Fri, 21 Nov 2003 23:14:26 -0700
NNTP-Posting-Host: 68.2.28.177
X-Complaints-To: abuse@cox.net
X-Trace: fed1read03 1069481487 68.2.28.177 (Sat, 22 Nov 2003 01:11:27 EST)
NNTP-Posting-Date: Sat, 22 Nov 2003 01:11:27 EST
Organization: Cox Communications
Xref: archiver1.google.com rec.boats:9383 rec.radio.cb:4210
```

Saturday November 22, 04:46 AM

Man gets "spam rage" over penis ad
By Adam Tanner

SAN FRANCISCO (Reuters) - Call it spam rage: A Silicon Valley computer programmer has been arrested for threatening to torture and kill employees of the company he blames for bombarding his computer with Web ads promising to enlarge his penis.

In one of the first prosecutions of its kind in the state that made "road rage" famous, Charles Booher, 44, was arrested on Thursday and released on bail for making repeated threats to staff of a Canadian company between May and July.

Booher threatened to send a "package full of Anthrax spores" to the company, to "disable" an employee with a bullet and torture him with a power drill and ice pick; and to hunt down and castrate the employees unless they removed him from their e-mail list, prosecutors said.

He used return e-mail addresses including Satan@hell.org.

In a telephone interview with Reuters on Friday, Booher acknowledged that he had behaved badly but said his computer had been rendered almost unusable for about two months by a barrage of pop-up advertising and e-mail.

"Here's what happened: I go to their Web site and start complaining to them, would you please, please, please stop bothering me," he said. "It just sort of escalated ... and I sort of lost my cool at that point."

The Sunnyvale, California man now faces up to five years in prison and a $250,000 fine, with a preliminary hearing scheduled for next month on charges of threatening to injure someone. He said he did not own any guns or have access to anthrax.

Booher said the problem stemmed from a program he mistakenly downloaded from the Internet that brought a continuous stream of advertising to his computer.

The object of the Californian's anger was Douglas Mackay, president of DM Contact Management, which works for Albion Medical, a firm advertising the "Only Reliable, Medically Approved Penis Enhancement."

"This went for a long, long time. He seemed really dedicated to this," Mackay said from Victoria, British Columbia in Canada. "He seemed like a guy just crazy enough with nothing to lose that might actually do something."

He said his firm does not send spam but blamed a rival firm which he said routes much of their unsolicited bulk e-mail through Russia and eastern Europe. Mackay said such firms gave a bad name to the penis enhancement business.

In other cases, Internet vigilantes have bombarded spammers with both unsolicited e-mail and regular mail and phone calls, launched attacks on spammers' computers and posted spammers' personal information on the

Internet, according to reports.

Separately, lawmakers in Washington said the U.S. House of Representatives was poised to vote for on a measure to outlaw most Internet spam. Lawmakers hope to pass a national anti-spam bill before a much tougher California state law goes into effect on January 1.

From 1102599224390610246
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 112d1e,f265293e2341c9e1
X-Google-Attributes: gid112d1e,public
X-Google-Thread: 10c9e3,f265293e2341c9e1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,f265293e2341c9e1
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f8886,f265293e2341c9e1
X-Google-Attributes: gidf8886,public
X-Google-Thread: 10f545,f265293e2341c9e1
X-Google-Attributes: gid10f545,public
X-Google-ArrivalTime: 2003-11-22 00:54:31 PST
Path: archiver1.google.com!news2.google.com!news.maxwell.syr.edu!elnk-pas-nf1!elnk-nf2-pas!newsfeed.earthlink.net!wn14feed!worldnet.att.net!bgtnsc05-news.ops.worldnet.att.net.POSTED!not-for-mail
From: "Pete KE9OA" <n.gianakopoulos@worldnet.att.net>
Newsgroups: sci.electronics.design,sci.research.careers,sci.physics.relativity,rec.ham-radio,rec.radio.amateur.homebrew
References: <3FBEDF80.70109@ftdsb.com>
Subject: Re: Philips BGA2031/1 MMIC variable gain amps
Lines: 16
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MIMEOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Message-ID: <avFvb.96784$Ec1.4518874@bgtnsc05-news.ops.worldnet.att.net>
Date: Sat, 22 Nov 2003 08:54:30 GMT
NNTP-Posting-Host: 12.73.224.251
X-Complaints-To: abuse@worldnet.att.net
X-Trace: bgtnsc05-news.ops.worldnet.att.net 1069491270 12.73.224.251 (Sat, 22 Nov 2003 08:54:30 GMT)
NNTP-Posting-Date: Sat, 22 Nov 2003 08:54:30 GMT
Organization: AT&T Worldnet
Xref: archiver1.google.com sci.electronics.design:10921 sci.research.careers:19999 sci.physics.relativity:11504 rec.radio.amateur.homebrew:27040

Aren't those dollar a pound surplus sales great?

Pete

```
Mike Adams <adams@ftdsb.com> wrote in message
news:3FBEDF80.70109@ftdsb.com...
> Distributors, Contract Manufacturers, OEMs, or microwave circuitry
> designers, this message may be of interest to you.
>
> If you have a current or future need for Philips BGA2031/1 MMIC's, you
> should check out the deal at:
>
> http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=2574612712
>
```

```
From 4793537006431824821
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10807f,3b67554115ba9c22
X-Google-Attributes: gid10807f,public
X-Google-Thread: 10c9e3,3b67554115ba9c22
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,3b67554115ba9c22
X-Google-Attributes: gid106d41,public
X-Google-ArrivalTime: 2003-11-22 05:50:34 PST
Path: archiver1.google.com!news2.google.com!fu-berlin.de!uni-berlin.de!
pcp03045027pcs.prfred01.md.comcast.NET!not-for-mail
From: Harry Krause <piedtypecase@yahoo.com>
Newsgroups: rec.boats,rec.ham-radio,rec.radio.cb
Subject: Re: OT: Man gets "spam rage" over penis ad
Date: Sat, 22 Nov 2003 08:45:56 -0500
Lines: 27
Message-ID: <bpnpaq$1pp1j1$2@ID-21096.news.uni-berlin.de>
References: <j6Dvb.10204$kl6.6450@fed1read03>
NNTP-Posting-Host: pcp03045027pcs.prfred01.md.comcast.net (68.49.106.52)
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: news.uni-berlin.de 1069508763 60589665 68.49.106.52 (16 [21096])
User-Agent: Mozilla/5.0 (Windows; U; Windows NT 5.0; en-US; rv:1.6a) Gecko/
20031030
X-Accept-Language: en-us, en
In-Reply-To: <j6Dvb.10204$kl6.6450@fed1read03>
Xref: archiver1.google.com rec.boats:9402 rec.radio.cb:4215

Renegade wrote:

>  Saturday November 22, 04:46 AM
>
>       Man gets "spam rage" over penis ad
>       By Adam Tanner
>
>
>       SAN FRANCISCO (Reuters) - Call it spam rage: A Silicon Valley computer
> programmer has been arrested for threatening to torture and kill employees
```

> of the company he blames for bombarding his computer with Web ads promising
> to enlarge his penis.

Snipped to get to the funny part:

> Mackay said such firms gave a bad name to the penis enhancement
> business.

--
Email sent to piedtypecase@yahoo.com is never read.

```
From -7324543634590001637
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,644f7e6b994bd832,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,644f7e6b994bd832,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1009ad,644f7e6b994bd832,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,644f7e6b994bd832,start
X-Google-Attributes: gidfa029,public
X-Google-ArrivalTime: 2002-07-09 19:52:54 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!cyclone.bc.net!
newsfeed.telusplanet.net!peer1-sjc1.usenetserver.com.MISMATCH!ps01-sjc1!
news.webusenet.com!news03.bloor.is.net.cable.rogers.com!
news01.bloor.is.net.cable.rogers.com.POSTED!12dc6cf53ab2750!not-for-mail
From: "ManKind" <MK@NoYouCan'tSpamMe.com>
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.amateur,rec.radio.scanner
Subject: RadioCom 5.1 RX / TX
Lines: 14
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <TNMW8.7480$r2E1.6664@news01.bloor.is.net.cable.rogers.com>
Date: Wed, 10 Jul 2002 02:16:19 GMT
NNTP-Posting-Host: 24.42.207.208
X-Complaints-To: abuse@rogers.com
X-Trace: news01.bloor.is.net.cable.rogers.com 1026267379 24.42.207.208 (Tue, 09
Jul 2002 22:16:19 EDT)
NNTP-Posting-Date: Tue, 09 Jul 2002 22:16:19 EDT
Xref: archiver1.google.com alt.radio.scanner:27671 rec.radio.amateur:3933
rec.radio.scanner:37859
```

Does this work on conventional scanners hooked up through the line input of
the computer?

http://www.bonito.net/infos/en_ham_rc50.htm

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.373 / Virus Database: 208 - Release Date: 7/1/2002

```
From -8687990662667527672
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,644f7e6b994bd832
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,644f7e6b994bd832
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1009ad,644f7e6b994bd832
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa656,644f7e6b994bd832
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-07-10 18:23:13 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news.tele.dk!
small.news.tele.dk!207.115.63.138!newscon04.news.prodigy.com!
newsmst01.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr10.news.prodigy.com.POSTED!not-for-mail
From: "KH" <kenct9999@yahoo.com>
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.amateur,rec.radio.scanner
References: <TNMW8.7480$r2E1.6664@news01.bloor.is.net.cable.rogers.com>
Subject: Re: RadioCom 5.1 RX / TX
Lines: 6
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4807.1700
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4807.1700
Message-ID: <f55X8.2164$I46.687726684@newssvr10.news.prodigy.com>
NNTP-Posting-Host: 64.252.33.227
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr10.news.prodigy.com 1026350539 ST000 64.252.33.227 (Wed, 10 Jul
2002 21:22:19 EDT)
NNTP-Posting-Date: Wed, 10 Jul 2002 21:22:19 EDT
Organization: Prodigy Internet http://www.prodigy.com
X-UserInfo1:
Q[R_PJON[ZUORPI[[RKJJ^UDFZ_LPOPDLXUNNHXIJYWZUYICD^RAQBKZQTZTX\_I[^G_KGFNON[ZOE_AZN
VO^\XGGNTCIRPIJH[@RQKBXLRZ@CD^HKANYVW@RLGEZEJN@\_WZJBNZYYKVIOR]T]MNMG_Z[YVWSCH_Q[G
PC_A@CARQVXDSDA^M]@DRVUM@RBM
Date: Thu, 11 Jul 2002 01:22:19 GMT
Xref: archiver1.google.com alt.radio.scanner:27702 rec.radio.amateur:3940
rec.radio.scanner:37887
```

The RadioCom program does not control the scanner or any other receiver. It appears to simply process the audio output.

Ken K1XS

From 4910522190449149892
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a0b66bba2e077cf
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,6a0b66bba2e077cf
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,6a0b66bba2e077cf
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,6a0b66bba2e077cf
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2002-07-16 07:23:53 PST
From: n5kzw@arrl.net (Ed Bailen)
Newsgroups: rec.radio.swap,rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.swap
Subject: Re: FS - Icom IC27-H 2 meter Transceiver
Date: Tue, 16 Jul 2002 14:27:03 GMT
Message-ID: <3d342ced.44993622@news.ev1.net>
References: <k02kiu4e29fugj3do30aoq22vd0fm1e66t@4ax.com>
X-Newsreader: Forte Free Agent 1.21/32.243
NNTP-Posting-Host: 64.246.3.52
X-Trace: newsa.ev1.net 1026828530 64.246.3.52 (16 Jul 2002 09:08:50 -0500)
Lines: 22
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-03!sn-xit-01!sn-xit-08!supernews.com!newsfeed.online.be!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed1.cidera.com!Cidera!newsa.ev1.net
Xref: archiver1.google.com rec.radio.swap:69988 rec.radio.amateur.equipment:31376 rec.radio.amateur.swap:3154

On Mon, 08 Jul 2002 22:08:01 GMT, 1ARTB <rbouder@dejazzd.com> wrote:

>Icom IC 27-H 2 meter 144 - 148 Mhz transceiver.
>H - high power 45 watts
>mobile bracket - 16 button DTMF microphone plus UP + DOWN
>frequency agile - speech synthesizer - UT-16 voice unit
>Has memories and FOR A / VFO B
>Scans memories - busy - open - band scan etc..all the regular stuff
>PL Encode Tones 67.0 to 256.3 + other "test" tones
>User Manual
>
>$110 shipped to your door (USA) & insured
>
>Pictures upon request.... (I will take some)!!
>
>

>

Does the DTMF generator in the microphone still work? I love the IC-27 series, but the DTMF generator has gone out on all of my mics.

Ed - N5KZW

From 8548148161856516590
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f941584de0dc0e1d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,f941584de0dc0e1d,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: fa656,f941584de0dc0e1d,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1009ad,f941584de0dc0e1d,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: f5341,f941584de0dc0e1d,start
X-Google-Attributes: gidf5341,public
X-Google-ArrivalTime: 2002-07-16 14:43:16 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed.icl.net!newsfeed.fjserv.net!kibo.news.demon.net!demon!newsfeed.stueberl.de!news-mue1.dfn.de!news-fra1.dfn.de!news-ge.switch.ch!news.grnet.gr!not-for-mail
From: "MacGyver" <na@sorry.com>
Newsgroups: alt.radio.scanner,alt.radio.scanner.uk,rec.ham-radio,rec.radio.amateur,rec.radio.scanner
Subject: Which hand held??
Date: Wed, 17 Jul 2002 00:48:40 +0300
Organization: GRNET, Greece
Lines: 9
Message-ID: <ah241g$nob$1@nic.grnet.gr>
NNTP-Posting-Host: dia-ppp01.ccf.auth.gr
X-Trace: nic.grnet.gr 1026855793 24331 155.207.209.48 (16 Jul 2002 21:43:13 GMT)
X-Complaints-To: abuse@grnet.gr
NNTP-Posting-Date: Tue, 16 Jul 2002 21:43:13 +0000 (UTC)
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Xref: archiver1.google.com alt.radio.scanner:27880 alt.radio.scanner.uk:18256 rec.radio.amateur:3970 rec.radio.scanner:38176

I am between icom IC-Q7A and Alinco DJV5

I would like to receive as much as possible (wide freq range).
Transmitting is secondary...

Any suggestions??
TIA

```
From -2357274068649785972
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f941584de0dc0e1d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,f941584de0dc0e1d
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,f941584de0dc0e1d
X-Google-Attributes: gidfa029,public
X-Google-Thread: fa656,f941584de0dc0e1d
X-Google-Attributes: gidfa656,public
X-Google-Thread: f5341,f941584de0dc0e1d
X-Google-Attributes: gidf5341,public
X-Google-ArrivalTime: 2002-07-16 15:11:39 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!fu-berlin.de!uni-berlin.de!m202-
mp1.cvx2-b.bre.dial.ntli.NET!not-for-mail
From: "Steve Terry" <g4wwknospam@tesco.net>
Newsgroups: alt.radio.scanner,alt.radio.scanner.uk,rec.ham-
radio,rec.radio.amateur,rec.radio.scanner
Subject: Re: Which hand held??
Date: Tue, 16 Jul 2002 23:10:05 +0100
Lines: 14
Message-ID: <ah25mp$pii0q$1@ID-139484.news.dfncis.de>
References: <ah241g$nob$1@nic.grnet.gr>
NNTP-Posting-Host: m202-mp1.cvx2-b.bre.dial.ntli.net (62.253.84.202)
X-Trace: fu-berlin.de 1026857498 26822682 62.253.84.202 (16 [139484])
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Xref: archiver1.google.com alt.radio.scanner:27882 alt.radio.scanner.uk:18257
rec.radio.amateur:3971 rec.radio.scanner:38177

"MacGyver" <na@sorry.com> wrote in message news:ah241g$nob$1@nic.grnet.gr...
> I am between icom IC-Q7A and Alinco DJV5
> I would like to receive as much as possible (wide freq range).
> Transmitting is secondary...
> Any suggestions??
> TIA
>
I see the DJV5 is listed at 199quid
for 50quid more you could get the Kenwood TH-F7
http://www.wsplc.com/

Steve Terry
```

```
From -5368713339338481880
X-Google-Language: ENGLISH,ASCII-7-bit
```

X-Google-Thread: 10c9e3,f941584de0dc0e1d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,f941584de0dc0e1d
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,f941584de0dc0e1d
X-Google-Attributes: gidfa029,public
X-Google-Thread: fa656,f941584de0dc0e1d
X-Google-Attributes: gidfa656,public
X-Google-Thread: f5341,f941584de0dc0e1d
X-Google-Attributes: gidf5341,public
X-Google-ArrivalTime: 2002-07-16 15:18:04 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed1.cidera.com!Cidera!cyclone.rdc-nyc.rr.com!news-out.nyc.rr.com!twister.nyc.rr.com.POSTED!not-for-mail
From: "Dan Conti" <dconti@nj.rr.com>
Newsgroups: alt.radio.scanner,alt.radio.scanner.uk,rec.ham-radio,rec.radio.amateur,rec.radio.scanner
References: <ah241g$nob$1@nic.grnet.gr> <ah25mp$pii0q$1@ID-139484.news.dfncis.de>
Subject: Re: Which hand held??
Lines: 21
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <aU0Z8.74665$Wi.22186092@twister.nyc.rr.com>
Date: Tue, 16 Jul 2002 22:13:26 GMT
NNTP-Posting-Host: 24.168.140.228
X-Complaints-To: abuse@rr.com
X-Trace: twister.nyc.rr.com 1026857606 24.168.140.228 (Tue, 16 Jul 2002 18:13:26 EDT)
NNTP-Posting-Date: Tue, 16 Jul 2002 18:13:26 EDT
Organization: Road Runner - NYC
Xref: archiver1.google.com alt.radio.scanner:27884 alt.radio.scanner.uk:18258 rec.radio.amateur:3972 rec.radio.scanner:38178

Quid?

"Steve Terry" <g4wwknospam@tesco.net> wrote in message news:ah25mp$pii0q$1@ID-139484.news.dfncis.de...
> "MacGyver" <na@sorry.com> wrote in message news:ah241g$nob$1@nic.grnet.gr...
> > I am between icom IC-Q7A and Alinco DJV5
> > I would like to receive as much as possible (wide freq range).
> > Transmitting is secondary...
> > Any suggestions??
> > TIA
> >
> I see the DJV5 is listed at 199quid
> for 50quid more you could get the Kenwood TH-F7
> http://www.wsplc.com/
>
> Steve Terry
>

```
>



From 9197603988605777204
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f941584de0dc0e1d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5341,f941584de0dc0e1d
X-Google-Attributes: gidf5341,public
X-Google-Thread: 1009ad,f941584de0dc0e1d
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa656,f941584de0dc0e1d
X-Google-Attributes: gidfa656,public
X-Google-Thread: fa029,f941584de0dc0e1d
X-Google-Attributes: gidfa029,public
X-Google-ArrivalTime: 2002-07-16 15:41:21 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed.icl.net!newsfeed.fjserv.net!
news.tele.dk!small.news.tele.dk!130.133.1.3!fu-berlin.de!uni-berlin.de!m202-
mp1.cvx2-b.bre.dial.ntli.NET!not-for-mail
From: "Steve Terry" <g4wwknospam@tesco.net>
Newsgroups: alt.radio.scanner,alt.radio.scanner.uk,rec.ham-
radio,rec.radio.amateur,rec.radio.scanner
Subject: Re: Which hand held??
Date: Tue, 16 Jul 2002 23:39:47 +0100
Lines: 13
Message-ID: <ah27ef$pg7u6$1@ID-139484.news.dfncis.de>
References: <ah241g$nob$1@nic.grnet.gr> <ah25mp$pii0q$1@ID-139484.news.dfncis.de>
<aU0Z8.74665$Wi.22186092@twister.nyc.rr.com>
NNTP-Posting-Host: m202-mp1.cvx2-b.bre.dial.ntli.net (62.253.84.202)
X-Trace: fu-berlin.de 1026859279 26746822 62.253.84.202 (16 [139484])
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Xref: archiver1.google.com alt.radio.scanner:27885 alt.radio.scanner.uk:18259
rec.radio.amateur:3973 rec.radio.scanner:38180


"Dan Conti" <dconti@nj.rr.com> wrote in message
news:aU0Z8.74665$Wi.22186092@twister.nyc.rr.com...
> Quid?
>
Slang
Buck = Dollar
Quid = Pound sterling

Steve Terry
```

From -2148820882582297613
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f941584de0dc0e1d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5341,f941584de0dc0e1d
X-Google-Attributes: gidf5341,public
X-Google-Thread: 1009ad,f941584de0dc0e1d
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa656,f941584de0dc0e1d
X-Google-Attributes: gidfa656,public
X-Google-Thread: fa029,f941584de0dc0e1d
X-Google-Attributes: gidfa029,public
X-Google-ArrivalTime: 2002-07-16 23:44:09 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
logbridge.uoregon.edu!fu-berlin.de!uni-berlin.de!
ppp-225-48-216.friaco.access.uk.tiscali.COM!not-for-mail
From: testicles26hb896@lineone.net (Rocket)
Newsgroups: alt.radio.scanner,alt.radio.scanner.uk,rec.ham-radio,rec.radio.amateur,rec.radio.scanner
Subject: Re: Which hand held??
Followup-To: alt.radio.scanner
Date: 17 Jul 2002 06:43:49 GMT
Organization: I couldn't organise a p*ss up in a brewery.
Lines: 39
Message-ID: <Xns924E4EF79FFA526hb896lineonenet@130.133.1.4>
References: <ah241g$nob$1@nic.grnet.gr> <ah25mp$pii0q$1@ID-139484.news.dfncis.de>
<aU0Z8.74665$Wi.22186092@twister.nyc.rr.com>
NNTP-Posting-Host: ppp-225-48-216.friaco.access.uk.tiscali.com (80.225.48.216)
X-Trace: fu-berlin.de 1026888229 26974010 80.225.48.216 (16 [71343])
User-Agent: Xnews/4.04.10
Xref: archiver1.google.com alt.radio.scanner:27902 alt.radio.scanner.uk:18261
rec.radio.amateur:3977 rec.radio.scanner:38203

According to Bill Gates, on Tue 16 Jul 2002 11:13:26p "Dan Conti" <dconti@nj.rr.com> knelt at the big white telephone, and heaved this into alt.radio.scanner.uk:

Quid, squids, dosh, moola, readies, folding, spondooliks, greenbacks, ponys, monkeys, etc...

>Quid?
>
>"Steve Terry" <g4wwknospam@tesco.net> wrote in message
>news:ah25mp$pii0q$1@ID-139484.news.dfncis.de...
>> "MacGyver" <na@sorry.com> wrote in message
>news:ah241g$nob$1@nic.grnet.gr...
>>> I am between icom IC-Q7A and Alinco DJV5
>>> I would like to receive as much as possible (wide freq range).
>>> Transmitting is secondary...
>>> Any suggestions??
>>> TIA

```
>>>
>> I see the DJV5 is listed at 199quid
>> for 50quid more you could get the Kenwood TH-F7
>> http://www.wsplc.com/
>>
>> Steve Terry
>>
>>
>
>



--

Mark Russell ''If you enjoy it - it's probably illegal''
Guzzi V50 Monza.
26HB896
OSOS#16 (Please castrate to e-mail)




From -7114988948160255508
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,a50aead6d1c5a42c,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,a50aead6d1c5a42c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,a50aead6d1c5a42c,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,a50aead6d1c5a42c,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10ed5f,a50aead6d1c5a42c,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-07-21 18:59:51 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-01!sn-xit-04!
supernews.com!news-xfer2.newshosting.com!news-out.visi.com!hermes.visi.com!
newsfeeds-atl2!news.webusenet.com!pc01.webusenet.com!e3500-
atl2.usenetserver.com.POSTED!not-for-mail
From: "Neil" <kvrs1122@bellsouth.net>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.ham-radio.vhf-uhf,rec.ham-
radio,rec.ham-radio.swap
Subject: FS: ICOM IC207-H and software
Lines: 15
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <2iJ_8.2718$LS3.285997@e3500-atl2.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
```

```
NNTP-Posting-Date: Sun, 21 Jul 2002 21:33:50 EDT
Organization: WEBUSENET.com
Date: Sun, 21 Jul 2002 21:37:36 -0400
Xref: archiver1.google.com alt.ham-radio.marketplace:10436 alt.ham-radio.vhf-
uhf:10400 rec.ham-radio.swap:1919
```

I have for sale an ICOM IC 207-H. I will include the manual, power cable, and original box. The programming software and cable will also be included. I have two of the thumbscrews to attach the radio to the mount, and the other two are just regular screws. I do not have the other hardware to mount it (just the bracket) or the mike clip. I would like to get $300.00 for the outfit. I will ship UPS from 37871 at no charge to the buyer when I receive payment. I accept PayPal payments or money orders. Pictures upon request.
Thanks.

--
Neil kvrs1122@bellsouth.net

```
From -9002369126245515803
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,a50aead6d1c5a42c
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,a50aead6d1c5a42c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,a50aead6d1c5a42c
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10ed5f,a50aead6d1c5a42c
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,a50aead6d1c5a42c
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2002-07-21 20:19:32 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-06!sn-xit-04!
supernews.com!news.maxwell.syr.edu!newsfeed.icl.net!newsfeed.fjserv.net!
newsfeed1.cidera.com!Cidera!cyclone.tampabay.rr.com!cyclone.austin.rr.com!
twister.austin.rr.com.POSTED!53ab2750!not-for-mail
From: "jeff" <w5omr-anti-spam@w5omr.antispam.shacknet.nu>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.ham-radio.vhf-uhf,rec.ham-
radio,rec.ham-radio.swap
References: <2iJ_8.2718$LS3.285997@e3500-atl2.usenetserver.com>
Subject: Re: ICOM IC207-H and software
Lines: 28
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <mCK_8.78353$88.1362003@twister.austin.rr.com>
Date: Mon, 22 Jul 2002 03:03:46 GMT
```

NNTP-Posting-Host: 24.167.109.251
X-Complaints-To: abuse@rr.com
X-Trace: twister.austin.rr.com 1027307026 24.167.109.251 (Sun, 21 Jul 2002 22:03:46 CDT)
NNTP-Posting-Date: Sun, 21 Jul 2002 22:03:46 CDT
Organization: Road Runner - Texas
Xref: archiver1.google.com alt.ham-radio.marketplace:10437 alt.ham-radio.vhf-uhf:10401 rec.ham-radio.swap:1920

I guess you would like to get that kinda money for a used radio ...

http://www.yv5.com/icom.html has 'em brand new for the same price.

--
Regards,
-Jeff
"Neil" <kvrs1122@bellsouth.net> wrote in message
news:2iJ_8.2718$LS3.285997@e3500-atl2.usenetserver.com...
:
: I have for sale an ICOM IC 207-H. I will include the manual, power cable,
: and original box. The programming software and cable will also be included.
: I have two of the thumbscrews to attach the radio to the mount, and the
: other two are just regular screws. I do not have the other hardware to mount
: it (just the bracket) or the mike clip. I would like to get $300.00 for the
: outfit. I will ship UPS from 37871 at no charge to the buyer when I receive
: payment. I accept PayPal payments or money orders. Pictures upon request.
: Thanks.
:
:
: --
: Neil kvrs1122@bellsouth.net
:
:
:

From -3670572681494058881
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,a50aead6d1c5a42c
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,a50aead6d1c5a42c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,a50aead6d1c5a42c
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,a50aead6d1c5a42c
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f76e2,a50aead6d1c5a42c
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2002-07-22 20:31:38 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-01!sn-xit-04!

supernews.com!pd2nf1so.cg.shawcable.net!residential.shaw.ca!ps01-sjc1!
news.webusenet.com!cyclone.bc.net!news.maxwell.syr.edu!newsfeed1.cidera.com!
Cidera!ngpeer.news.aol.com!news.compuserve.com!news-master.compuserve.com!not-for-mail
From: "J T" <nospam@cs.com>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.ham-radio.swap
Subject: Re: ICOM IC207-H and software
Date: Mon, 22 Jul 2002 22:24:45 -0500
Organization: CompuServe Interactive Services
Lines: 28
Message-ID: <ahii9v$lrv$1@nntp-m01.news.aol.com>
References: <2iJ_8.2718$LS3.285997@e3500-atl2.usenetserver.com>
NNTP-Posting-Host: ip68-1-116-221.pn.at.cox.net
X-Trace: nntp-m01.news.aol.com 1027394687 22399 68.1.116.221 (23 Jul 2002 03:24:47 GMT)
X-Complaints-To: newsmaster@compuserve.com
NNTP-Posting-Date: Tue, 23 Jul 2002 03:24:47 +0000 (UTC)
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4807.1700
X-MIMEOLE: Produced By Microsoft MimeOLE V5.50.4807.1700
Xref: archiver1.google.com alt.ham-radio.marketplace:10451 alt.ham-radio.vhf-uhf:10421 rec.ham-radio.swap:1922

There is a fool born every minute. A *NEW* IC207H with a speraration kit
(cable included) is less than $300.00 from AES!

"Neil" <kvrs1122@bellsouth.net> wrote in message
news:2iJ_8.2718$LS3.285997@e3500-atl2.usenetserver.com...
>
> I have for sale an ICOM IC 207-H. I will include the manual, power cable,
> and original box. The programming software and cable will also be included.
> I have two of the thumbscrews to attach the radio to the mount, and the
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> it (just the bracket) or the mike clip. I would like to get $300.00 for the
> outfit. I will ship UPS from 37871 at no charge to the buyer when I receive
> payment. I accept PayPal payments or money orders. Pictures upon request.
> Thanks.
>
>
> --
> Neil kvrs1122@bellsouth.net
>
>
>

From 8392415796243708738
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c297f9cfff6b2c0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11480d,2c297f9cfff6b2c0,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: f7796,2c297f9cfff6b2c0,start
X-Google-Attributes: gidf7796,public
X-Google-Thread: 114a57,2c297f9cfff6b2c0,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,2c297f9cfff6b2c0,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,2c297f9cfff6b2c0,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,2c297f9cfff6b2c0,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-07-25 07:36:59 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-01!sn-xit-04!supernews.com!news.maxwell.syr.edu!news-hog.berkeley.edu!ucberkeley!enews.sgi.com!iafrica.com!nnrp01.ops.uunet.co.za!nnrp01.ops.uunet.co.za!not-for-mail
From: Andrew ZS1AN <andrew@exinet.co.za>
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.dx,alt.ham-radio,alt.ham-radio.hf,alt.ham-radio.morse,alt.radio.amateur
Subject: Planned IOTA Activation: Dassen Island AF-064
Date: Thu, 25 Jul 2002 16:34:37 +0200
Lines: 18
Message-ID: <3D400C7D.39E12412@exinet.co.za>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: nnrp01.ops.uunet.co.za 1027607585 81883 196.31.65.11 (25 Jul 2002 14:33:05 GMT)
X-Complaints-To: abuse@uunet.co.za
X-Mailer: Mozilla 4.75 [en] (WinNT; U)
X-Accept-Language: en
Xref: archiver1.google.com rec.radio.amateur:4026 rec.radio.amateur.dx:7115 alt.ham-radio.hf:2311

Andrew ZS1AN will be operating from Dassen Island Lighthouse during International Lighthouse and Lightship Weekend using the callsign ZS1AN/P. Dassen Island is the smaller and less accessible of the two islands in IOTA AF-064, the Western Cape Province South West group.

Andrew plans to operate from approximately 1600 UTC on Friday 16th August until 1200 UTC on Sunday 18th August. Mode will be primarily CW, operating on or around the following frequencies: 7026, 14026, 21026 and 28026 KHz. He will be designing a special QSL card with the relevant IOTA information for the occasion. Please QSL direct to PO Box 350, Newlands 7725, South Africa. If you would like a direct response then please include a green stamp or IRC. All other replies will be sent via the bureau.

Please note that the operation is weather dependant as the island can only be reached by small boat. Additional information can be found at www.qsl.net/zs1an/dassen.html.

```
From 5481286073698755964
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,792dd4ef349b42da,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,792dd4ef349b42da,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,792dd4ef349b42da,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-08-10 11:33:10 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-01!sn-xit-04!
supernews.com!news.maxwell.syr.edu!cpk-news-hub1.bbnplanet.com!news.gtei.net!
prodigy.com!newsmst01.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr12.news.prodigy.com.POSTED!not-for-mail
From: "TBFisher" <tbfisher@swbell.net>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,rec.ham-radio
Subject: FS: ProSine 1800W Inverter - Virtually New
Lines: 11
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <4Xc59.1610$Cm.494642346@newssvr12.news.prodigy.com>
NNTP-Posting-Host: 64.217.224.251
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr12.news.prodigy.com 1029004096 ST000 64.217.224.251 (Sat, 10 Aug
2002 14:28:16 EDT)
NNTP-Posting-Date: Sat, 10 Aug 2002 14:28:16 EDT
Organization: Prodigy Internet http://www.prodigy.com
X-UserInfo1:
[[O[C__E\ZRCRT@[N[OJNW@@YJ_ZTB\MV@BZMVMHQAVTUZ]CLNTCPFK[WDXDHV[K^FCGJCJLPF_D_NCC@F
UG^Q\DINVAXSLIFXYJSSCCALP@PB@\OS@BITWAH\CQZKJMMD^SJA^NXA\GVLSRBD^M_NW_F[YLVTWIGAXA
QBOATKBBQRXECDFDMQ\DZFUE@\JM
Date: Sat, 10 Aug 2002 18:28:16 GMT
Xref: archiver1.google.com alt.ham-radio.marketplace:10674
```

Title of item: ProSine 1800W Inverter - Virtually New
Seller: tboonefisher
Starts: Aug-06-02 09:30:21 PDT
Ends: Aug-11-02 09:30:21 PDT
Price: Currently $500.00
To bid on the item, go to:
http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=2044315216

From 3630779444465870475
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,662b2dc89de07de7,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,662b2dc89de07de7,start
X-Google-Attributes: gid108778,public
X-Google-Thread: fc8b1,662b2dc89de07de7,start
X-Google-Attributes: gidfc8b1,public
X-Google-ArrivalTime: 2002-08-11 10:00:37 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
canoe.uoregon.edu!arclight.uoregon.edu!enews.sgi.com!sdd.hp.com!usc.edu!attla2!
ip.att.net!attbi_feed3!attbi.com!sccrnsc03.POSTED!not-for-mail
From: "w9gb" <gregory.beat@attbi.com>
Newsgroups: alt.radio.amateur,rec.ham-radio,rec.radio.amateur.boatanchors
References: <CQB49.7545$lP6.988497@e3500-atl2.usenetserver.com>
Subject: Re: Linear Help required, please
Lines: 51
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <UKw59.62685$UU1.10616@sccrnsc03>
NNTP-Posting-Host: 12.250.148.42
X-Complaints-To: abuse@attbi.com
X-Trace: sccrnsc03 1029085236 12.250.148.42 (Sun, 11 Aug 2002 17:00:36 GMT)
NNTP-Posting-Date: Sun, 11 Aug 2002 17:00:36 GMT
Organization: AT&T Broadband
Date: Sun, 11 Aug 2002 17:00:36 GMT
Xref: archiver1.google.com rec.radio.amateur.boatanchors:22488

RF Parts in California is also a useful supplier for various parts, once you
determine what has failed.
http://www.rfparts.com

IF you have a bad transformer, send it to Peter Dahl. Don't fool with
anyone else. Peter reworks/rebuilds for the government, military and
commercial broadcasting industry.
The fact that he performs the work for amateur and short-wave hobbyists is
RARE.

IF you think it is too much $$ for you, pack it together and sell it on QTH
or eBay as a "parts" unit - stating what has failed or known wrong. Take
the money and buy a working one - they are showing up in volumes -- due to
the rising cost of the "sweep" tubes (6KD6) that they run on (no longer
made, but a few Eastern European and Chinese substitutes available)

w9gb

"Martyn" <martyna@bellsouth.net> wrote in message
news:CQB49.7545$lP6.988497@e3500-atl2.usenetserver.com...
> Hi There

```
> I have just purchased an old Yaesu FL-2500 it runs 5 6KD6 tubes in
grounded
> grid class AB
> Now it trips the circuit breaker in the house.
> I removed all of the tubes and connected it and it still blew the house
> circuit breaker.
> I checked the 8 diodes and found 3 to be open circuit
> I checked the output on the high voltage transformer and the 4 terminals
all
> read a short to ground.
> I have no clue as to the origin of this fine linear (well fine if it
worked)
> and as I have a complete 400 line up I would love to get this functioning.
> The Diodes are 10D10, does anyone know of the new equivalent?
> Any suggestions as to how to proceed with this linear would be gratefully
> received also if the transformer has gone, any ideas as to where to get a
> replacement from?
> Will a transformer in a FL-2100 work in place, this high voltage
transformer
> runs 0v   424V   620V   850V
> I would really appreciate any help.
> Many Thanks and best 73's
> Martyn
> martyna@bellsouth.net
>
>
>
>




From 3512496030092334317
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,a50aead6d1c5a42c
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,a50aead6d1c5a42c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,a50aead6d1c5a42c
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,a50aead6d1c5a42c
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,a50aead6d1c5a42c
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2002-08-13 08:50:58 PST
Path: archiver1.google.com!postnews1.google.com!not-for-mail
From: brwddude@aol.com (Arnold McCoy)
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.ham-radio.vhf-uhf,rec.ham-
radio,rec.ham-radio.swap
Subject: Re: ICOM IC207-H and software
Date: 13 Aug 2002 08:50:56 -0700
Organization: http://groups.google.com/
Lines: 9
```

Message-ID: <4767b7c0.0208130750.53dcefb0@posting.google.com>
References: <2iJ_8.2718$LS3.285997@e3500-atl2.usenetserver.com>
<ahii9v$lrv$1@nntp-m01.news.aol.com>
NNTP-Posting-Host: 216.242.6.34
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1029253857 23413 127.0.0.1 (13 Aug 2002 15:50:57 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: 13 Aug 2002 15:50:57 GMT
Xref: archiver1.google.com alt.ham-radio.marketplace:10696 alt.ham-radio.vhf-uhf:10847 rec.ham-radio.swap:1972

Gentleman,

It doesn't matter who you buy from, just make sure it's an AMERICAN dealership, not some YV5 bootlegger from Miami. They're prices are just AWFUL compared to other places like HRO, AES, and simular. Reason? South American goof balls pay anything for radios so they can run their illegal drug traffic. I'm sure YV5 whateverhisnameiss sells the radio at list price, plus ten percent, AND includes a Ham license inside each box. Typical.

From -7463241880163972146
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,50b5df15e96b667f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc8b1,50b5df15e96b667f,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 108778,50b5df15e96b667f,start
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2002-08-13 10:42:48 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!nntp1.phx1.gblx.net!nntp.gblx.net!nntp.gblx.net!newsfeed.news2me.com!newsfeed2.earthlink.net!newsfeed.earthlink.net!stamper.news.pas.earthlink.net!stamper.news.atl.earthlink.net!harp.news.atl.earthlink.net!not-for-mail
From: <thompson@mindspring.com>
Newsgroups: alt.radio.amateur,rec.ham-radio,rec.radio.amateur.boatanchors
Subject: Re: Linear Help required, please
Date: Tue, 13 Aug 2002 13:46:41 -0400
Organization: MindSpring Enterprises
Lines: 12
Message-ID: <ajbgen$qmt$1@slb4.atl.mindspring.net>
References: <CQB49.7545$lP6.988497@e3500-atl2.usenetserver.com>
Reply-To: <thompson@mindspring.com>
NNTP-Posting-Host: d1.56.11.37
X-Server-Date: 13 Aug 2002 17:42:47 GMT
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2314.1300
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
Xref: archiver1.google.com rec.radio.amateur.boatanchors:22540

The FL 2500 is virtually the same as the FL 2000. The 2500 had 160 meters where the others only cover 80 to 10.The FL 2100 used 572B's as i recall. The transformer from the FL2100 will probably work and the Peter Dahl is a good choice. Dahl will build one to specs if they don't have one off the shelf.

I hope its just the diodes not the transformer. I think I saw the 2500 listed and I recall it said it was working....guess not.

73 Dave K4JRB

From 3092622882345165981
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,50b5df15e96b667f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc8b1,50b5df15e96b667f
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 108778,50b5df15e96b667f
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2002-08-13 14:04:23 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed1.cidera.com!Cidera!
newsfeed.cetlink.net!newsreader.cetlink.net!CETLink!not-for-mail
From: "Ralph Mowery" <rmowery@dialpoint.net>
Newsgroups: alt.radio.amateur,rec.ham-radio,rec.radio.amateur.boatanchors
Subject: Re: Linear Help required, please
Date: Tue, 13 Aug 2002 17:00:06 -0400
Organization: CETLink.Net
Lines: 42
Message-ID: <ajbs8m$2ee4$1@newsreader.cetlink.net>
References: <CQB49.7545$lP6.988497@e3500-atl2.usenetserver.com>
NNTP-Posting-Host: ts2-kann-nc-80.dialup.cetlink.net
Mime-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Trace: newsreader.cetlink.net 1029272662 80324 216.189.43.80 (13 Aug 2002
21:04:22 GMT)
X-Complaints-To: news@cetlink.net
NNTP-Posting-Date: Tue, 13 Aug 2002 21:04:22 +0000 (UTC)
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Xref: archiver1.google.com rec.radio.amateur.boatanchors:22544

Hate to say it but if the transformer is gone and unless you just want to spend a bunch on the amp as a collector you might as well sell it for parts or just junk it. It is doubtful if the transformer out of a FL 2100 will

work as it uses 572 tubes that operate at a much higher voltage (probably
about 3 times as much) .

At one time the 6KD6 tubes were inexpensive compaired to other tubes but now
they are very high in cost.

"Martyn" <martyna@bellsouth.net> wrote in message
news:CQB49.7545$lP6.988497@e3500-atl2.usenetserver.com...
> Hi There
> I have just purchased an old Yaesu FL-2500 it runs 5 6KD6 tubes in
grounded
> grid class AB
> Now it trips the circuit breaker in the house.
> I removed all of the tubes and connected it and it still blew the house
> circuit breaker.
> I checked the 8 diodes and found 3 to be open circuit
> I checked the output on the high voltage transformer and the 4 terminals
all
> read a short to ground.
> I have no clue as to the origin of this fine linear (well fine if it
worked)
> and as I have a complete 400 line up I would love to get this functioning.
> The Diodes are 10D10, does anyone know of the new equivalent?
> Any suggestions as to how to proceed with this linear would be gratefully
> received also if the transformer has gone, any ideas as to where to get a
> replacement from?
> Will a transformer in a FL-2100 work in place, this high voltage
transformer
> runs 0v   424V   620V   850V
> I would really appreciate any help.
> Many Thanks and best 73's
> Martyn
> martyna@bellsouth.net
>
>
>
>

From 7595658779584700840
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,50b5df15e96b667f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,50b5df15e96b667f
X-Google-Attributes: gid108778,public
X-Google-Thread: fc8b1,50b5df15e96b667f
X-Google-Attributes: gidfc8b1,public
X-Google-ArrivalTime: 2002-08-13 14:06:26 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!bloom-beacon.mit.edu!ra.nrl.navy.mil!dca6-feed2.news.algx.net!allegiance!
newsfeed1.cidera.com!Cidera!newsfeed.cetlink.net!newsreader.cetlink.net!CETLink!

```
not-for-mail
From: "Ralph Mowery" <rmowery@dialpoint.net>
Newsgroups: alt.radio.amateur,rec.ham-radio,rec.radio.amateur.boatanchors
Subject: Re: Linear Help required, please
Date: Tue, 13 Aug 2002 17:02:09 -0400
Organization: CETLink.Net
Lines: 18
Message-ID: <ajbscg$2eio$1@newsreader.cetlink.net>
References: <CQB49.7545$lP6.988497@e3500-atl2.usenetserver.com>
<ajbgen$qmt$1@slb4.atl.mindspring.net>
NNTP-Posting-Host: ts2-kann-nc-80.dialup.cetlink.net
Mime-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Trace: newsreader.cetlink.net 1029272785 80472 216.189.43.80 (13 Aug 2002
21:06:25 GMT)
X-Complaints-To: news@cetlink.net
NNTP-Posting-Date: Tue, 13 Aug 2002 21:06:25 +0000 (UTC)
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Xref: archiver1.google.com rec.radio.amateur.boatanchors:22545

Now just how is the FL 2100 transformer going to work in the FL 2500 as the
voltage for the 572 tubes are around 3 to 4 times the voltage of the 6KD6 ?

<thompson@mindspring.com> wrote in message
news:ajbgen$qmt$1@slb4.atl.mindspring.net...
> The FL 2500 is virtually the same as the FL 2000. The 2500 had 160 meters
> where the others only cover 80 to 10.The FL 2100 used 572B's as i recall.
> The transformer from the FL2100 will probably work and the Peter Dahl is a
> good choice.  Dahl will build one to specs if they don't have one off the
> shelf.
>
> I hope its just the diodes not the transformer.  I think I saw the 2500
> listed and I recall it said it was working....guess not.
>
> 73 Dave K4JRB
>
>




From 6318491739491439169
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,50b5df15e96b667f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc8b1,50b5df15e96b667f
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 108778,50b5df15e96b667f
X-Google-Attributes: gid108778,public
```

X-Google-ArrivalTime: 2002-08-13 15:48:34 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!news-out.nuthinbutnews.com!propagator-sterling!news-in.nuthinbutnews.com!cyclone1.gnilink.net!spamfinder.gnilink.net!nwrddc02.gnilink.net.POSTED!53ab2750!not-for-mail
From: "Joe" <joe.amp@NOSPAMverizon.net>
Newsgroups: alt.radio.amateur,rec.ham-radio,rec.radio.amateur.boatanchors
References: <CQB49.7545$lP6.988497@e3500-atl2.usenetserver.com> <ajbgen$qmt$1@slb4.atl.mindspring.net> <ajbscg$2eio$1@newsreader.cetlink.net>
Subject: Re: Linear Help required, please
Lines: 34
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <51g69.19753$Ue7.1017@nwrddc02.gnilink.net>
Date: Tue, 13 Aug 2002 22:48:33 GMT
NNTP-Posting-Host: 151.202.91.20
X-Complaints-To: abuse@verizon.net
X-Trace: nwrddc02.gnilink.net 1029278913 151.202.91.20 (Tue, 13 Aug 2002 18:48:33 EDT)
NNTP-Posting-Date: Tue, 13 Aug 2002 18:48:33 EDT
Xref: archiver1.google.com rec.radio.amateur.boatanchors:22546

What about wiring the primary for 240 and use a full wave bridge on the sec.
(be about 800 volts)
Problem is you could only run it on 120 VAC and have to rig up a heater
supply

"Ralph Mowery" <rmowery@dialpoint.net> wrote in message
news:ajbscg$2eio$1@newsreader.cetlink.net...
> Now just how is the FL 2100 transformer going to work in the FL 2500 as
the
> voltage for the 572 tubes are around 3 to 4 times the voltage of the 6KD6
?
>
> <thompson@mindspring.com> wrote in message
> news:ajbgen$qmt$1@slb4.atl.mindspring.net...
> > The FL 2500 is virtually the same as the FL 2000. The 2500 had 160
meters
> > where the others only cover 80 to 10.The FL 2100 used 572B's as i
recall.
> > The transformer from the FL2100 will probably work and the Peter Dahl is
a
> > good choice. Dahl will build one to specs if they don't have one off
the
> > shelf.
> >
> > I hope its just the diodes not the transformer. I think I saw the 2500
> > listed and I recall it said it was working....guess not.
> >
> > 73 Dave K4JRB

> >
> >
>

```
From 6526680318757027233
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,abe71e1d4b70bc82,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,abe71e1d4b70bc82,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 11480d,abe71e1d4b70bc82,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,abe71e1d4b70bc82,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-08-15 05:29:59 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
canoe.uoregon.edu!arclight.uoregon.edu!enews.sgi.com!iafrica.com!
nnrp01.ops.uunet.co.za!nnrp01.ops.uunet.co.za!not-for-mail
From: Andrew ZS1AN <zs1an@remove-this.qsl.net>
Newsgroups: rec.radio.amateur.dx,rec.radio.amateur,alt.ham-radio,rec.ham-radio
Subject: ZS1AN/P DASSEN ISLAND LIGHTHOUSE FINAL UPDATE
Date: Thu, 15 Aug 2002 14:31:30 +0200
Lines: 72
Message-ID: <3D5B9F22.40402@remove-this.qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
X-Trace: nnrp01.ops.uunet.co.za 1029414596 92632 196.31.65.11 (15 Aug 2002
12:29:56 GMT)
X-Complaints-To: abuse@uunet.co.za
User-Agent: Mozilla/5.0 (Windows; U; WinNT4.0; en-US; m18) Gecko/20001108
Netscape6/6.0
X-Accept-Language: en
Xref: archiver1.google.com rec.radio.amateur.dx:7279 rec.radio.amateur:4121
```

As previously announced I plan to be operational from Dassen Island Lighthouse (IOTA AF-064, ARLHS SAF-042, WLA LH-0423) from 1600 UTC on Friday 16 August until 1200 UTC on Sunday 18 August for International Lighthouse and Lightship Weekend 2002. This message is the final announcement and includes the latest weather and operating information.

WORLD LIGHTHOUSE AWARD

The World Lighthouse Award has issued the number LH-0423 for Dassen Island lighthouse. This will be its first activation for the WLA. My thanks to Don W9DC for facilitating this. My QSL card will include the WLA number as well as ARLHS and IOTA information.

WEATHER

I have discussed the latest weather forecast with the skipper of the boat which will be taking me to the island. Although it is somewhat windier than hoped it is still likely that we will be able to make the trip on Friday afternoon and be operational by 1600 UTC on 16 August as planned. If the weather does not play ball on Friday then I will go on Saturday morning instead, in which case I should be operational by 0800 UTC on 17 August. I plan to operate until 1200 UTC on Sunday 18 August; however it is possible that the weather will keep me on the island longer than expected in which case I will remain operational until I am able to leave the island.

OPERATING SCHEDULE

I have updated my operating schedule to take into account the latest solar flux index forecasts for the weekend, which are substantially better than the forecasts I used previously. My planned schedule is as follows (all times UTC):

0500-0600	7026 CW
0600-0800	14026 CW
0800-0900	No operation
0900-1000	14026 CW
1000-1100	14226 USB (primarily for ZS lighthouses)
1100-1200	No operation
1200-1500	21026 CW
1500-1600	14026 CW
1600-1900	21026 CW
1900-2100	14026 CW
2100-2200	7026 CW

This schedule will be repeated on all days for which I am operational. Please see it as a guide only as my operating times and frequencies will take into account actual propagation conditions and I will take breaks to walk on the island etc.

Further information, including propagation forecasts, can be found at http://www.qsl.net/zs1an/dassen.html

QSL INFORMATION

Please QSL direct to

PO Box 350
Newlands 7725
South Africa

Please include a green stamp or IRC if you would like a direct reply; all others will be sent via the bureau.

If you are a FISTS member and your QSL card (with your FISTS membership number) reaches me before the end of September then I will QSL via the FISTS bureau at no charge. I intend to send a single parcel of cards to the FISTS bureau in early October. My FISTS number is 8921.

vy 73 de
Andrew ZS1AN

From -3244094247692379532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,913285d789eaf881,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,913285d789eaf881,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,913285d789eaf881,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-08-15 18:22:09 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!bloom-
beacon.mit.edu!nycmny1-snh1.gtei.net!news.gtei.net!news-out.visi.com!
hermes.visi.com!newsfeeds-atl2!news.webusenet.com!pc01.webusenet.com!
atlpnn01.usenetserver.com.POSTED!not-for-mail
Message-ID: <3D5C5275.DAE973B1@naxs.com>
From: cbhoelzel <n4bjx@naxs.com>
X-Mailer: Mozilla 4.72 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment
Subject: Yaesu Factory Service???
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 45
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Thu, 15 Aug 2002 21:18:49 EDT
Organization: WebUseNet Corp. http://corp.webusenet.com - ReInventing the UseNet
Date: Thu, 15 Aug 2002 21:16:37 -0400
Xref: archiver1.google.com rec.radio.amateur:4124
rec.radio.amateur.equipment:32475

Hello, friends -

Here is a story that may give you something to think about if you are considering a radio purchase.

Some years ago I bought a Yaesu FT-5100 dual band (2m/70cm) transceiver. It has worked quite well for me. However, over the past two years I have noticed that the liquid crystal display has begun to show a crescent shaped black mark in the upper center. So far this has not caused any problems, but I can foresee that it will grow and eventually the display will be unreadable.

I spoke to my favorite dealer and he told me that he could get it repaired with a shorter turn around time than if it went directly to Yaesu. OK, I said let's give it a try. Unfortunately, his technician promptly sent it to Yaesu.

After nearly six weeks, Yaesu told the dealer that there was more wrong than just the display. It had also lost power - that is it was putting out about 20-25 watts instead of the expected 50. Cost of total repair would run in the neighborhood of $450.

My response was "just fix what I asked for, no more"

Yaesu's reply was to the effect that it was an "all or nothing deal". They would not just replace the display.

At that point I said don't bother, just send it back. Consider that I can at this time buy any of the following from AES:

Yaesu FT-7100M $300
Kenwood TM-G707A $300
Icom IC-207H $300

Why in the world would I spring for half again as much to repair the 5100 when all three of these mentioned have more bells and whistles?

If someone from Yaesu wishes to defend their all or nothing policy, I will be happy to listen. Until then it will be a cold day in Hades before I purchase another Yaesu product. In the meantime, buyer beware.

Chuck
N4BJX

From 8556664695995402393
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,318a1d69a73cd639,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,318a1d69a73cd639,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f55c2,318a1d69a73cd639,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fb049,318a1d69a73cd639,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,318a1d69a73cd639,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2002-08-18 05:40:22 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-01!sn-xit-04!supernews.com!news.maxwell.syr.edu!logbridge.uoregon.edu!ihnp4.ucsd.edu!usc.edu!attla2!ip.att.net!attbi_feed3!attbi.com!rwcrnsc51.ops.asp.att.net.POSTED!not-for-mail
From: "rfmaniac" <rfmaniac1@NOSPAM.yea_right.com>
Newsgroups: alt.ham-radio.marketplace,alt.ham-radio.mods,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.ham-radio.swap

```
Subject: HELP!!!!! IC-2000H
Lines: 15
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <PrM79.192948$uj.270415@rwcrnsc51.ops.asp.att.net>
NNTP-Posting-Host: 12.218.92.63
X-Complaints-To: abuse@mchsi.com
X-Trace: rwcrnsc51.ops.asp.att.net 1029673839 12.218.92.63 (Sun, 18 Aug 2002
12:30:39 GMT)
NNTP-Posting-Date: Sun, 18 Aug 2002 12:30:39 GMT
Organization: MediaCom High Speed Internet
Date: Sun, 18 Aug 2002 12:30:39 GMT
Xref: archiver1.google.com alt.ham-radio.marketplace:10745 alt.ham-radio.mods:1859
alt.ham-radio.vhf-uhf:10970 rec.ham-radio.swap:1983

I'm in need of a set of schematics for the Icom IC-2000H VHF mobile
tranceiver.  I'm off the air untill i can get it fixed.  If anyone has a
copy that they can e-mail me i'd be most greatful.  Thanks in advance.
Blake
rfmaniac1@mchsi.com




---
RFMANIAC
A legend in his own mind.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.381 / Virus Database: 214 - Release Date: 8/5/02





From -3922434494759894514
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,913285d789eaf881
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,913285d789eaf881
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,913285d789eaf881
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-08-18 08:17:37 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
canoe.uoregon.edu!arclight.uoregon.edu!enews.sgi.com!sdd.hp.com!usc.edu!attla2!
ip.att.net!attbi_feed3!attbi.com!sccrnsc01.POSTED!not-for-mail
From: "w9gb" <gregory.beat@attbi.com>
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment
References: <3D5C5275.DAE973B1@naxs.com>
Subject: Re: Yaesu Factory Service???
Lines: 59
X-Priority: 3
X-MSMail-Priority: Normal
```

X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <kUO79.84837$me6.10655@sccrnsc01>
NNTP-Posting-Host: 12.250.148.42
X-Complaints-To: abuse@attbi.com
X-Trace: sccrnsc01 1029683856 12.250.148.42 (Sun, 18 Aug 2002 15:17:36 GMT)
NNTP-Posting-Date: Sun, 18 Aug 2002 15:17:36 GMT
Organization: AT&T Broadband
Date: Sun, 18 Aug 2002 15:17:36 GMT
Xref: archiver1.google.com rec.radio.amateur:4135
rec.radio.amateur.equipment:32603

Sounds like you do not own an automobile of this age.
Good luck, you are going to really surprised.

Maybe you should just lease the radio,
most people seem to lease their cars these days, so they always have a new one.

gb

"cbhoelzel" <n4bjx@naxs.com> wrote in message
news:3D5C5275.DAE973B1@naxs.com...
> Hello, friends -
>
> Here is a story that may give you something to think about if you are
> considering a radio purchase.
>
> Some years ago I bought a Yaesu FT-5100 dual band (2m/70cm)
> transceiver. It has worked quite well for me. However, over the past
> two years I have noticed that the liquid crystal display has begun to
> show a crescent shaped black mark in the upper center. So far this has
> not caused any problems, but I can foresee that it will grow and
> eventually the display will be unreadable.
>
> I spoke to my favorite dealer and he told me that he could get it
> repaired with a shorter turn around time than if it went directly to
> Yaesu. OK, I said let's give it a try. Unfortunately, his technician
> promptly sent it to Yaesu.
>
> After nearly six weeks, Yaesu told the dealer that there was more wrong
> than just the display. It had also lost power - that is it was putting
> out about 20-25 watts instead of the expected 50. Cost of total repair
> would run in the neighborhood of $450.
>
> My response was "just fix what I asked for, no more"
>
> Yaesu's reply was to the effect that it was an "all or nothing deal".
> They would not just replace the display.
>
> At that point I said don't bother, just send it back. Consider that I
> can at this time buy any of the following from AES:
>

> Yaesu FT-7100M $300
> Kenwood TM-G707A $300
> Icom IC-207H $300
>
> Why in the world would I spring for half again as much to repair the
> 5100 when all three of these mentioned have more bells and whistles?
>
> If someone from Yaesu wishes to defend their all or nothing policy, I
> will be happy to listen. Until then it will be a cold day in Hades
> before I purchase another Yaesu product. In the meantime, buyer beware.
>
>
> Chuck
> N4BJX
>
>

```
From -2775637196659513600
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,50b5df15e96b667f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc8b1,50b5df15e96b667f
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 108778,50b5df15e96b667f
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2002-08-19 15:49:04 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!news-out.nuthinbutnews.com!propagator-
sterling!news-in.nuthinbutnews.com!cyclone1.gnilink.net!spamfinder.gnilink.net!
nwrddc03.gnilink.net.POSTED!53ab2750!not-for-mail
Message-ID: <3D617594.EC879E50@bellatlantic.net>
From: ehsjr@bellatlantic.net
Reply-To: ehsjr@bellatlantic.net
X-Mailer: Mozilla 4.75 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.radio.amateur,rec.ham-radio,rec.radio.amateur.boatanchors
Subject: Re: Linear Help required, please
References: <CQB49.7545$lP6.988497@e3500-atl2.usenetserver.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 33
Date: Mon, 19 Aug 2002 22:49:03 GMT
NNTP-Posting-Host: 162.84.139.26
X-Complaints-To: abuse@verizon.net
X-Trace: nwrddc03.gnilink.net 1029797343 162.84.139.26 (Mon, 19 Aug 2002 18:49:03
EDT)
NNTP-Posting-Date: Mon, 19 Aug 2002 18:49:03 EDT
Xref: archiver1.google.com rec.radio.amateur.boatanchors:22682
```

Martyn wrote:
>
> Hi There
> I have just purchased an old Yaesu FL-2500 it runs 5 6KD6 tubes in grounded
> grid class AB
> Now it trips the circuit breaker in the house.
> I removed all of the tubes and connected it and it still blew the house
> circuit breaker.
> I checked the 8 diodes and found 3 to be open circuit
> I checked the output on the high voltage transformer and the 4 terminals all
> read a short to ground.
> I have no clue as to the origin of this fine linear (well fine if it worked)
> and as I have a complete 400 line up I would love to get this functioning.
> The Diodes are 10D10, does anyone know of the new equivalent?
> Any suggestions as to how to proceed with this linear would be gratefully
> received also if the transformer has gone, any ideas as to where to get a
> replacement from?
> Will a transformer in a FL-2100 work in place, this high voltage transformer
> runs 0v   424V   620V   850V
> I would really appreciate any help.
> Many Thanks and best 73's
> Martyn
> martyna@bellsouth.net

Check the filter caps. Also, if the xformer is ok, and
if the amp does not have a step start circuit, add one.
Consider replacing all the diodes if you are going to
get this running again.
Some HV xformers, like those in many microwave ovens,
intentionally ground 1 secondary terminal. Don't know if
that applies to yours or not.

```
From 5300777917159754135
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f91de5c351e3dd47,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,f91de5c351e3dd47,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 106d41,f91de5c351e3dd47,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: fa029,f91de5c351e3dd47,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 10ddb1,f91de5c351e3dd47,start
X-Google-Attributes: gid10ddb1,public
X-Google-ArrivalTime: 2002-08-22 18:40:04 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed1.cidera.com!Cidera!ps01-sjc1!
news.webusenet.com!news03.bloor.is.net.cable.rogers.com!
news01.bloor.is.net.cable.rogers.com.POSTED!not-for-mail
From: "Oleg M." <omhome@rogers.com>
```

Newsgroups: alt.radio.scanner,alt.radio.scanner.flame_fest,rec.ham-radio,rec.radio.cb,rec.radio.scanner
Subject: MULTIBAND RECEIVER
Lines: 6
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2919.6700
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6700
Message-ID: <Tng99.68382$8aG1.55449@news01.bloor.is.net.cable.rogers.com>
Date: Fri, 23 Aug 2002 01:40:03 GMT
NNTP-Posting-Host: 24.156.83.38
X-Complaints-To: abuse@rogers.com
X-Trace: news01.bloor.is.net.cable.rogers.com 1030066803 24.156.83.38 (Thu, 22 Aug 2002 21:40:03 EDT)
NNTP-Posting-Date: Thu, 22 Aug 2002 21:40:03 EDT
Xref: archiver1.google.com alt.radio.scanner:29065 alt.radio.scanner.flame_fest:25802 rec.radio.cb:87901 rec.radio.scanner:39686

YUPITERU MVT-7100 MULTIBAND RECEIVER
Brand new in box
http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1374237784&ssPageName=ADME:B:BN:US:1

From -8435348279059707919
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,a8d29455f01d123,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a8d29455f01d123,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a8d29455f01d123,start
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2002-08-24 13:22:57 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!logbridge.uoregon.edu!HSNX.atgi.net!newsfeed.sjc.globix.net!cyclone-sf.pbi.net!151.164.30.35!cyclone.swbell.net!newsfeed1.easynews.com!easynews.com!easynews!news.easynews.com.POSTED!not-for-mail
From: "Andre Vaupel" <avaupel@web.de>
Newsgroups: rec.ham-radio,rec.radio.amateur.antenna,rec.radio.amateur.equipment
Subject: Magnetic Loop Board now in english!
Lines: 29
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <LTR99.3396$Hb1.105947@news.easynews.com>
X-Complaints-To: abuse@easynews.com
Organization: EasyNews, UseNet made Easy! - Test our service with our FREE trial at https://www.easynews.com/trial/trial.phtml
X-Complaints-Info: Please be sure to forward a copy of ALL headers otherwise we will be unable to process your complaint properly.

Date: Sat, 24 Aug 2002 20:19:55 GMT
Xref: archiver1.google.com rec.radio.amateur.antenna:52644
rec.radio.amateur.equipment:32774

Hi there!

Our new Magnetic Loop Website are now in english available.

http://www.magnetic-loop.de

There were a lot of request to us, to setup the software to english
language.
This is now done. There is also the e mail notification now working, if
someone replies
to your message inside the board. For this you have to register with
username and
password...a very useful function , if you�re not every day there.

We would be happy to get your questions, hints and information in our Board
:-)

just visit our NON commercial and no ads website http://www.magentic-loop.de

Thank you very much :-)

Andre

From -8608202114493624471
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61eb7795038e5277,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,61eb7795038e5277,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f55c2,61eb7795038e5277,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 10ed5f,61eb7795038e5277,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,61eb7795038e5277,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-08-28 04:55:43 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!cyclone.bc.net!
news-hog.berkeley.edu!ucberkeley!nntp-relay.ihug.net!ihug.co.nz!
border1.nntp.aus1.giganews.com!nntp.giganews.com!nntp3.aus1.giganews.com!
bin2.nnrp.aus1.giganews.com.POSTED!not-for-mail
From: "Mark J. Bailey" <mjb@jobsoft.com>

```
Newsgroups: alt.ham-radio,alt.ham-radio.mods,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment
Subject: Icom IC-207H & Squelch in AM Mode
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
X-GC-Trace: gv1-PclophQEnL3SPptMvyAMJBGN+rVU26nzzRziw==
Message-ID: <PS2b9.138550$Aw4.5744477@bin2.nnrp.aus1.giganews.com>
NNTP-Posting-Date: Wed, 28 Aug 2002 06:55:27 CDT
Organization: Giganews.Com - Premium News Outsourcing
Lines: 23
X-Trace: sv3-zul7xpCQf1Y/QwAcaVNZEyGNkzeiFIWUpKINHTaowE3w45QnK29xpc3+
+rI4YQFuHfYTOW3+IwVQk4U!
cw3mUlJmnmk6qBJ7L74IC9BrPToqMyHTvpZJsaOPN69S+aVRX83+ovVy0A6Cxow7XiDSjsqA6dkV!
Tpo4pbtrDQka0wpILQ==
X-Complaints-To: abuse@comcast.com
X-DMCA-Complaints-To: dmca@comcast.net
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint
properly
X-Postfilter: 1.1
Date: Wed, 28 Aug 2002 11:55:27 GMT
Xref: archiver1.google.com alt.ham-radio.mods:1913 rec.radio.amateur:4183
rec.radio.amateur.equipment:32860
```

Hello,

I just bought this radio at a hamfest the other day. I have read varying opinions on the net about it. However, for the money, it seems like a decent 2m/440 radio.

Anyways, my question is this. While on the AIR band in AM mode, why does it seem that you can't fully disengage the squelch??? On FM, you can turn the squelch all the way down and get white noise. However, in AM, it seems to always be there (no turning it down or off to get white noise and static). Futhermore, the display shows the message "Busy" and you can see some meter activity, but no breakthru YET you can get hear just fine those signals that go beyond a certain signal strength.

Am I missing something here? Do I have a problem with the radio? Is there some other parameter or mod to address this?

Thanks very much.

Mark

```
From 3130616474602317099
X-Google-Language: ENGLISH,ASCII-7-bit
```

X-Google-Thread: 10c9e3,61eb7795038e5277
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,61eb7795038e5277
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,61eb7795038e5277
X-Google-Attributes: gidfa656,public
X-Google-Thread: f55c2,61eb7795038e5277
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 10ed5f,61eb7795038e5277
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-08-28 06:22:23 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed1.cidera.com!Cidera!torn!nf1.bellglobal.com!nf2.bellglobal.com!news20.bellglobal.com.POSTED!not-for-mail
Message-ID: <3D6CCC40.E199E5A3@sympatico.ca>
From: Dave Holford <holford@sympatico.ca>
X-Mailer: Mozilla 4.7 [en] (Win95; I)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.mods,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment
Subject: Re: Icom IC-207H & Squelch in AM Mode
References: <PS2b9.138550$Aw4.5744477@bin2.nnrp.aus1.giganews.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 43
Date: Wed, 28 Aug 2002 09:12:32 -0400
NNTP-Posting-Host: 209.226.181.138
X-Complaints-To: abuse@sympatico.ca
X-Trace: news20.bellglobal.com 1030540286 209.226.181.138 (Wed, 28 Aug 2002 09:11:26 EDT)
NNTP-Posting-Date: Wed, 28 Aug 2002 09:11:26 EDT
Organization: Bell Sympatico
Xref: archiver1.google.com alt.ham-radio.mods:1914 rec.radio.amateur:4185 rec.radio.amateur.equipment:32862

"Mark J. Bailey" wrote:

> Hello,
>
> I just bought this radio at a hamfest the other day. I have read varying
> opinions on the net about it. However, for the money, it seems like a
> decent 2m/440 radio.
>
> Anyways, my question is this. While on the AIR band in AM mode, why does it
> seem that you can't fully disengage the squelch??? On FM, you can turn the
> squelch all the way down and get white noise. However, in AM, it seems to
> always be there (no turning it down or off to get white noise and static).
> Futhermore, the display shows the message "Busy" and you can see some meter
> activity, but no breakthru YET you can get hear just fine those signals that
> go beyond a certain signal strength.

>
> Am I missing something here? Do I have a problem with the radio? Is there
> some other parameter or mod to address this?
>
> Thanks very much.
>
> Mark

I have a pair of 207's and both perform exactly like yours. I also have
a pair of T7's which do the same. And two different HF xcvrs which do
the same thing when I switch from AM to FM. The white noise with the
squelch open on FM is MUCH louder than on AM.

While writing this I decided to try a scanner, and changing modes on my
Radio Shack scanner causes exactly the same effect.

Unless I am missing something I think your rig is performing just fine.

I find that I have to listen carefully to hear the noise if I turn the
squelch down, a better clue is that the "Busy" indicator comes on when
the squelch is open.

73
Dave
VE3HLU

From 2917767213811577467
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1131be32272e4fec,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,1131be32272e4fec,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 106d41,1131be32272e4fec,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: fa029,1131be32272e4fec,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 10ddb1,1131be32272e4fec,start
X-Google-Attributes: gid10ddb1,public
X-Google-ArrivalTime: 2002-08-29 19:07:37 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
newsfeed.berkeley.edu!news-hog.berkeley.edu!ucberkeley!newshub.sdsu.edu!
west.cox.net!cox.net!newsfeeds-atl1.usenetserver.com!newsfeeds-atl2!
news.webusenet.com!news03.bloor.is.net.cable.rogers.com!
news01.bloor.is.net.cable.rogers.com.POSTED!not-for-mail
From: "Oleg M." <omhome@rogers.com>
Newsgroups: alt.radio.scanner,alt.radio.scanner.flame_fest,rec.ham-
radio,rec.radio.cb,rec.radio.scanner
Subject: *NEW* YUPITERU MVT-7100 SCANNER/RECEIVER
Lines: 16
X-Priority: 3
X-MSMail-Priority: Normal

```
X-Newsreader: Microsoft Outlook Express 5.00.2919.6700
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6700
Message-ID: <HrAb9.134695$8aG1.109430@news01.bloor.is.net.cable.rogers.com>
Date: Fri, 30 Aug 2002 02:07:35 GMT
NNTP-Posting-Host: 24.156.83.38
X-Complaints-To: abuse@rogers.com
X-Trace: news01.bloor.is.net.cable.rogers.com 1030673255 24.156.83.38 (Thu, 29 Aug
2002 22:07:35 EDT)
NNTP-Posting-Date: Thu, 29 Aug 2002 22:07:35 EDT
Xref: archiver1.google.com alt.radio.scanner:29362
alt.radio.scanner.flame_fest:25937 rec.radio.cb:89090 rec.radio.scanner:39988
```

eBAY

Full, continuous coverage from 530 kHz ~ 1650MHz.

(No gaps, locked out or restricted frequencies)

Comes with antenna, car connector, NI-CD batteries (4), hand strap, belt clip, earphone and English manual.

No reserve!

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1376722337

```
From -8379290888480180З2
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17944601ea3936ea,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ddb1,17944601ea3936ea,start
X-Google-Attributes: gid10ddb1,public
X-Google-Thread: fa029,17944601ea3936ea,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 106d41,17944601ea3936ea,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 1009ad,17944601ea3936ea,start
X-Google-Attributes: gid1009ad,public
X-Google-ArrivalTime: 2002-09-03 05:29:56 PST
Path: archiver1.google.com!news2.google.com!news1.google.com!
newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!
newsfeed.icl.net!newsfeed.fjserv.net!newsfeed.esat.net!nntp.theplanet.net!
inewsm1.nntp.theplanet.net!newsfeeds-atl1.usenetserver.com!newsfeeds-atl2!
news.webusenet.com!news03.bloor.is.net.cable.rogers.com!
news04.bloor.is.net.cable.rogers.com.POSTED!not-for-mail
From: "Oleg M." <omhome@rogers.com>
Newsgroups: alt.radio.scanner,alt.radio.scanner.flame_fest,rec.ham-
radio,rec.radio.cb,rec.radio.scanner
Subject: EBAY *NEW* YUPITERU MVT-7100 SCANNER
```

```
Lines: 8
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2919.6700
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6700
Message-ID: <3X1d9.61207$6m61.30144@news04.bloor.is.net.cable.rogers.com>
Date: Tue, 03 Sep 2002 12:29:51 GMT
NNTP-Posting-Host: 24.156.83.38
X-Complaints-To: abuse@rogers.com
X-Trace: news04.bloor.is.net.cable.rogers.com 1031056191 24.156.83.38 (Tue, 03 Sep
2002 08:29:51 EDT)
NNTP-Posting-Date: Tue, 03 Sep 2002 08:29:51 EDT
Xref: archiver1.google.com alt.radio.scanner:29563
alt.radio.scanner.flame_fest:25992 rec.radio.cb:89874 rec.radio.scanner:40191

                                     EBAY LAST DAY!

          *NEW* YUPITERU MVT-7100 SCANNER/RECEIVER

http://cgi.ebay.ca/ws/eBayISAPI.dll?ViewItem&item=1376722337&ssPageName=ADME
:B:LC:CA:1




From 5365735072461302747
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d21cc7e6d6972659,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,d21cc7e6d6972659,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f76e2,d21cc7e6d6972659,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,d21cc7e6d6972659,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-09-10 10:40:25 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
canoe.uoregon.edu!arclight.uoregon.edu!news.infoave.net!newsfeed1.easynews.com!
easynews.com!easynews!news.easynews.com.POSTED!not-for-mail
From: "AV" <avaupel@web.de>
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.antenna
Subject: NEW HAM RADIO ORTAL ONLINE!
Lines: 65
MIME-Version: 1.0
Content-Type: multipart/alternative;
     boundary="----=_NextPart_000_0044_01C25901.E6BADB00"
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <h5qf9.43350$kJ2.610243@news.easynews.com>
X-Complaints-To: abuse@easynews.com
```

Organization: EasyNews, UseNet made Easy! - Test our service with our FREE trial at https://www.easynews.com/trial/trial.phtml
X-Complaints-Info: Please be sure to forward a copy of ALL headers otherwise we will be unable to process your complaint properly.
Date: Tue, 10 Sep 2002 17:37:17 GMT
Xref: archiver1.google.com rec.ham-radio.swap:2034 rec.radio.amateur:4229 rec.radio.amateur.antenna:53764

This is a multi-part message in MIME format.

------=_NextPart_000_0044_01C25901.E6BADB00
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

There is a new Ham Radio Portal online at

http://www.hamradio-portal.com

This Portal contains news, Information and=20

special topics like Echolink software and many more.

It has a Weblink and download database.

A new Webboard to discuss topics is also there.

You can also submit news and topics what

comes available on the top of the page!

It should not to be in compete with other Portals.

Just a new one with a new look and nice features.

We hope to see you there!

Andre

------=_NextPart_000_0044_01C25901.E6BADB00
Content-Type: text/html;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

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<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
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<META http-equiv=3DContent-Type content=3D"text/html; =
charset=3Diso-8859-1">
<META content=3D"MSHTML 6.00.2713.1100" name=3DGENERATOR>
<STYLE></STYLE>
</HEAD>
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<BODY bgColor=3D#ffffff>
<DIV><FONT face=3DArial size=3D2><FONT size=3D2>
<P>There is a new Ham Radio Portal online at</P>
<P><A=20
href=3D"http://www.hamradio-portal.com">http://www.hamradio-portal.com</A=
></P>
<P></P>
<P>This Portal contains news, Information and </P>
<P>special topics like Echolink software and many more.</P>
<P>It has a Weblink and download database.</P>
<P>A new Webboard to discuss topics is also there.</P>
<P>You can also submit news and topics what</P>
<P>comes available on the top of the page!</P>
<P>It should not to be in compete with other Portals.</P>
<P>Just a new one with a new look and nice features.</P>
<P>We hope to see you there!</P>
<P>Andre</P></FONT></FONT></DIV></BODY></HTML>

------=_NextPart_000_0044_01C25901.E6BADB00--
```

```
From 6833838861710168542
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2aa42f1032416d37,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,2aa42f1032416d37,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,2aa42f1032416d37,start
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2002-09-11 09:01:03 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-01!sn-xit-04!
supernews.com!iad-peer.news.verio.net!news.verio.net!fu-berlin.de!uni-berlin.de!
host-209-214-106-189.bhm.bellsouth.NET!not-for-mail
From: "N4IXT" <n4ixt@arrl.net>
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re:  Im looking for a good cheap ham radio
Date: Wed, 11 Sep 2002 10:39:34 -0500
Lines: 58
Message-ID: <alno9i$1rjc39$1@ID-105647.news.dfncis.de>
References: <UiIf9.84421$%P6.38577413@e3500-atl1.usenetserver.com>
NNTP-Posting-Host: host-209-214-106-189.bhm.bellsouth.net (209.214.106.189)
X-Trace: fu-berlin.de 1031758963 62500969 209.214.106.189 (16 [105647])
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:12112
```

Hi Chris,

First off, I'd go with the 2 meter radio. That's where you'll find the most activity.

If you live in town, I'd suggest going with a hand held. It will give you the most versatility with the least amount of complexity. I assume you have some ham friends, ask them to come to your house with their hand held radio (often referred to as HTs for Handheld Transceiver) and see how many repeaters they can hit. If you can get on one or two, that's the way to go.

If you have a few extra bucks, a dual band rig with 2m and 70cm is good, as 70 is probably the next most popular band in the VHF/UHF range.

If you've REALLY been good, you might be able to get your dad to get you an HT with 6/2/440 and perhaps one other band. Several companies make 3 banders and two or three make quad band HTs. 6 would be good because you can often work some DX on 6.

As for brand names, Alinco, Icom, and Yaesu (also known as Vertex Standard) are the three biggies, you can't go wrong with one of these. (Although I'm sure that there are going to be plenty who will now argue with that statement.) Just make sure your HT will do 5 watts. There are a few that are pretty inexpensive, but only put out a 1/3 to 1/2 watt.

For antenna, first thing you want to do is throw away the rubber duck that came with the HT. Most are not very good. Then order an antenna for the bands your HT covers. I bought a Comet for my Alinco DJ-V5 and am happy with it, but pretty much any custom antenna will give you a little gain.

For your home, consider building either a J-Pole or Ground Plane antenna and mouting outside your house. These will greatly improve your reception, and give you experience (and a lot of fun!) building antennas. Plus, neither is very expensive to build.

One of the best things you could do is borrow or have your friends come by with their HTs. Play with them, see how they perform from various points in your house. See if you like using them or not. That will be your best guide.

Good Luck, 73's

Robert / N4IXT

"Chris" <cnafl@bellsouth.net> wrote in message
news:UiIf9.84421$%P6.38577413@e3500-atl1.usenetserver.com...

> I'm getting my Technician class license soon.
> My dad is getting me a ham radio but doesn't know what to get.
> What is a good cheap ham radio? What is a good company?
> What kind of ham radio should I get? base? mobile? portable?
> What band should I be using? 6m? 2m? 1.25m? 70 cm? etc.
> I would only be allowed on VHF and UHF.
> What kind of antenna should I get?
> Please help me. Thank you.
>
>
>

From -5131168442128833395
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2aa42f1032416d37
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,2aa42f1032416d37
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,2aa42f1032416d37
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2002-09-11 09:18:06 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-06!sn-xit-08!
supernews.com!feed.textport.net!news-out.nuthinbutnews.com!propagator2-sterling!
news-in-sterling.newsfeed.com!news-in.nuthinbutnews.com!cyclone1.gnilink.net!
spamfinder.gnilink.net!nwrddc02.gnilink.net.POSTED!53ab2750!not-for-mail
From: Idontwantspam@net (Gary S.)
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: Im looking for a good cheap ham radio
Organization: very little
Reply-To: Idontwantspam@net
Message-ID: <3d7f65dd.12871538@news.bellatlantic.net>
References: <UiIf9.84421$%P6.38577413@e3500-atl1.usenetserver.com>
<alno9i$1rjc39$1@ID-105647.news.dfncis.de>
X-Newsreader: Forte Free Agent 1.21/32.243
Lines: 26
Date: Wed, 11 Sep 2002 15:56:48 GMT
NNTP-Posting-Host: 141.154.20.70
X-Complaints-To: abuse@verizon.net
X-Trace: nwrddc02.gnilink.net 1031759808 141.154.20.70 (Wed, 11 Sep 2002 11:56:48
EDT)
NNTP-Posting-Date: Wed, 11 Sep 2002 11:56:48 EDT
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:12114

On Wed, 11 Sep 2002 10:39:34 -0500, "N4IXT" <n4ixt@arrl.net> wrote:

>Hi Chris,
>
>First off, I'd go with the 2 meter radio. That's where you'll find the most
>activity.
>

snip of very good advice, which I would second.

Also consider buying used, although there are obvious risks in this.
Make sure you buy from someone you trust, and ideally go back to with
questions on the operation.

Find out about local ham radio clubs from the national amateur radio
group, the ARRL, at www.arrl.org   They will have links to local
clubs. Many clubs sponsor repeaters, which you will want to know
about, and have many people who can help you with getting started and
other questions.

Happy trails,
Gary (net.yogi.bear)

----

at the 51st percentile of ursine intelligence

Gary D. Schwartz, Needham, MA, USA
Please reply to: garyDOTschwartzATpoboxDOTcom

From 8404298209484990107
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2aa42f1032416d37
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,2aa42f1032416d37
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,2aa42f1032416d37
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-09-11 14:14:46 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-06!sn-xit-08!supernews.com!newsswitch.lcs.mit.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!feed2.news.rcn.net!feed1.news.rcn.net!rcn!not-for-mail
From: ik7565@erols.com
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: Im looking for a good cheap ham radio
Date: Wed, 11 Sep 2002 17:06:41 -0400
Lines: 34
Message-ID: <3D7FB061.49B20073@erols.com>
References: <UiIf9.84421$%P6.38577413@e3500-atl1.usenetserver.com>
<alno9i$1rjc39$1@ID-105647.news.dfncis.de>
<3d7f65dd.12871538@news.bellatlantic.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: UmFuZG9tSVajDJY+keyTd+hDNzzcq3Qp9H/ov4G0zO8Un6ccgrZBKOPdMXy9tchB
X-Complaints-To: abuse@rcn.com
NNTP-Posting-Date: 11 Sep 2002 21:06:25 GMT
X-Mailer: Mozilla 4.79 [en] (Win98; U)
X-Accept-Language: en
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:12116

You definitely want to join your local club! Lots of free advice from
knowledgable (hopefully) folks to steer you in the right direction.
Great hobby - you'll love it!

Ian N8IK

"Gary S." wrote:
>
> On Wed, 11 Sep 2002 10:39:34 -0500, "N4IXT" <n4ixt@arrl.net> wrote:
>
> >Hi Chris,
> >
> >First off, I'd go with the 2 meter radio. That's where you'll find the most

```
> >activity.
> >
> snip of very good advice, which I would second.
>
> Also consider buying used, although there are obvious risks in this.
> Make sure you buy from someone you trust, and ideally go back to with
> questions on the operation.
>
> Find out about local ham radio clubs from the national amateur radio
> group, the ARRL, at www.arrl.org   They will have links to local
> clubs. Many clubs sponsor repeaters, which you will want to know
> about, and have many people who can help you with getting started and
> other questions.
>
> Happy trails,
> Gary (net.yogi.bear)
> ------------------------------------------------
> at the 51st percentile of ursine intelligence
>
> Gary D. Schwartz, Needham, MA, USA
> Please reply to: garyDOTschwartzATpoboxDOTcom


From -8981942585688457398
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fcec837a6cca8c59,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,fcec837a6cca8c59,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,fcec837a6cca8c59,start
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2002-09-11 18:21:37 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-05!sn-xit-06!sn-
xit-04!supernews.com!news-xfer.newsread.com!bad-news.newsread.com!netaxs.com!
newsread.com!grr!newsfeed.bit-net.com!news.bit-net.com!not-for-mail
Reply-To: "RaOuL" <russ@bit-net.com>
From: "RaOuL" <russ@bit-net.nospam.com>
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,rec.ham-radio
References: <UiIf9.84421$%P6.38577413@e3500-atl1.usenetserver.com>
Subject: Re:  Im looking for a good cheap ham radio
Lines: 56
Organization: disorganized
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <aTRf9.1325$_T4.105258@news.bit-net.com>
Date: Wed, 11 Sep 2002 21:12:57 -0400
NNTP-Posting-Host: 208.146.138.97
X-Trace: news.bit-net.com 1031793222 208.146.138.97 (Wed, 11 Sep 2002 21:13:42
EDT)
NNTP-Posting-Date: Wed, 11 Sep 2002 21:13:42 EDT
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:12121
```

Hi Chris,

I was in a similar situation last year when I passed my exam and my wife told me I could buy a radio but not to spend too much of our money on one. What I have finally ended up with and what I recommend as a good starting point for any budget limited ham is this: a 2 meters handheld radio, a groundplane antenna and accessories as you can afford them. I have an Alinco DJ-195 5 watt handheld radio that I love. I use it in the house with a groundplane antenna that is about 15 feet off of my back porch and I use it in my car with a magnet mount antenna. I have also picked up a 40 watt amplifier to give my signal a little more "oomph" when I need it (I don't need it often but it's nice to have...). When I bought the radio I also bought with it a power cord and handheld external speaker / microphone. I recently bought a replacement for my rubber duck antenna that has made my little radio more useful when I carry it around with me. If you can't or won't put up an outdoor antenna you should really invest in a replacement for the poor performing rubber duck antenna. I'll be adding packet capabilities to my list of accessories as soon as time permits.

Not long after I passed my test and started setting up a station my wife got interested in ham radio too. She took and passed the exam and has been licensed for almost as long as me. I bought her an Alinco DJ-196 and most of the same accessories that I have. So far it has worked out quite well. We have easy to operate equipment that we could afford to go out and buy and that we are continually interested in using.

The bottom line is that I recommend the following:
Alinco DJ-196 2 meters handheld transceiver, 5 watts - about $140
speaker mic for Alinco handheld - about $20
power cord for Alinco handheld - about $7
12 Volt DC power supply (for in the house use) - about $40
groundplane antenna - a couple of bucks for materials to build it yourself
coax, mast, etc. to mount antenna - varies but could be as cheap as $20

Sorry for the long winded reply...... Welcome to Amateur Radio!!!

73,
Russ - KB1GKN

"Chris" <cnafl@bellsouth.net> wrote in message
news:UiIf9.84421$%P6.38577413@e3500-atl1.usenetserver.com...

> I'm getting my Technician class license soon.
> My dad is getting me a ham radio but doesn't know what to get.
> What is a good cheap ham radio? What is a good company?
> What kind of ham radio should I get? base? mobile? portable?
> What band should I be using? 6m? 2m? 1.25m? 70 cm? etc.
> I would only be allowed on VHF and UHF.
> What kind of antenna should I get?
> Please help me. Thank you.
>

```
>
>
```

```
From 4384018430795174822
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fcec837a6cca8c59
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,2aa42f1032416d37
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,fcec837a6cca8c59
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-09-12 08:48:44 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-03!sn-xit-01!sn-
xit-04!supernews.com!news.maxwell.syr.edu!newsfeed1.cidera.com!Cidera!
cyclone1.gnilink.net!spamfinder.gnilink.net!nwrddc02.gnilink.net.POSTED!53ab2750!
not-for-mail
From: Idontwantspam@net (Gary S.)
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: Im looking for a good cheap ham radio
Organization: very little
Reply-To: Idontwantspam@net
Message-ID: <3d80b407.20723268@news.bellatlantic.net>
References: <UiIf9.84421$%P6.38577413@e3500-atl1.usenetserver.com> <Ky1g9.96690$
%P6.47118966@e3500-atl1.usenetserver.com>
X-Newsreader: Forte Free Agent 1.21/32.243
Lines: 37
Date: Thu, 12 Sep 2002 15:43:02 GMT
NNTP-Posting-Host: 141.154.20.129
X-Complaints-To: abuse@verizon.net
X-Trace: nwrddc02.gnilink.net 1031845382 141.154.20.129 (Thu, 12 Sep 2002 11:43:02
EDT)
NNTP-Posting-Date: Thu, 12 Sep 2002 11:43:02 EDT
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:12127

On Thu, 12 Sep 2002 10:42:14 -0400, "Chris" <cnafl@bellsouth.net>
wrote:

>Thanks for the advice everyone. I just took my Technician class exam
>yesterday and passed. I still need to look for ham radios though.
>
Congrats! You should get your call sign from the FCC in a couple of
weeks. It will be added to the online database sooner. As soon as you
know what your call sign is, you can start on the air.

>By the way im only 13. Someone sent me an email thinking I was an adult.
>
>So I guess im getting a 2m because everyone says its the best.
>And I think my dad is going to get me either a mobile or portable radio.
>
>What is a good store to buy ham radios and antennas from?
```

>
Some national outfits which do mailorder and specialize in ham gear are:

Ham Radio Outlet: www.hamradio.com
Amateur Electronic Supply: www.aesham.com/

Magazines such as QST, CQ and 73 are worth reading, and also have ads from all of the major suppliers.

Radio Shack does carry a limited selection of ham gear, but much of it is underpowered, short on features, and finding a RS salesperson who knows anything about amateur radio is rare.

Happy trails,
Gary (net.yogi.bear)
----
at the 51st percentile of ursine intelligence

Gary D. Schwartz, Needham, MA, USA
Please reply to: garyDOTschwartzATpoboxDOTcom

```
From -3910005499333069315
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fcec837a6cca8c59
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,fcec837a6cca8c59
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,2aa42f1032416d37
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2002-09-12 14:02:55 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-03!sn-xit-06!sn-xit-04!supernews.com!news.maxwell.syr.edu!newsfeed.cwix.com!sooner.brightok.net!not-for-mail
From: "M. Schneider" <markinokla@juno.com>
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,rec.ham-radio
References: <UiIf9.84421$%P6.38577413@e3500-atl1.usenetserver.com> <Ky1g9.96690$%P6.47118966@e3500-atl1.usenetserver.com>
Subject: Re: Im looking for a good cheap ham radio
Lines: 38
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <997g9.312$w44.15373@sooner.brightok.net>
Date: Thu, 12 Sep 2002 16:03:56 -0500
NNTP-Posting-Host: 205.162.234.79
X-Trace: sooner.brightok.net 1031864005 205.162.234.79 (Thu, 12 Sep 2002 15:53:25 CDT)
NNTP-Posting-Date: Thu, 12 Sep 2002 15:53:25 CDT
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:12130
```

Chris,

WELCOME!! and congratulations! I personally like the service at AES (Amateur Electronics Supply) www.aesham.com Looking at their recent catalog, I see two 2M HTs worthy of consideration, both for $100. These are the ADI AT-201HP and the Icom IC-T2H Sport. Both are full-sized, full power (for HTs, this is 5-6 watts) with comparable features. The ADI has a rechargeable battery pack, while the Icom has a AA battery holder. I personally like to have both options to power my HTs, but if I was buying new right now, I'd go with the ADI. The AA battery holder for the ADI is likely to be cheaper to add than a rechargeable battery for the Icom, plus I've had goo luck with ADI's products. However, Icom is a top quality company, most anything they make is going to be good. You might try www.eham.net and check their reviews, this will give you some other user's opinions.

73,
Mark
K5MAR

"Chris" <cnafl@bellsouth.net> wrote in message
news:Ky1g9.96690$%P6.47118966@e3500-atl1.usenetserver.com...
> Thanks for the advice everyone. I just took my Technician class exam
> yesterday and passed. I still need to look for ham radios though.
>
> By the way im only 13. Someone sent me an email thinking I was an adult.
>
> So I guess im getting a 2m because everyone says its the best.
> And I think my dad is going to get me either a mobile or portable radio.
>
> What is a good store to buy ham radios and antennas from?
>
> Please keep posting suggestions for ham radios and antennas. Thank you.
>
>
>

From -4487181532790438637
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fcec837a6cca8c59
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,fcec837a6cca8c59
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,fcec837a6cca8c59
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2002-09-12 15:28:06 PST
Path: archiver1.google.com!postnews1.google.com!not-for-mail
From: randy_NO_SPAM_PLEASE_@frs-usa.com (Randy A. Hefner)
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: Im looking for a good cheap ham radio

Date: 12 Sep 2002 15:28:06 -0700
Organization: http://groups.google.com/
Lines: 28
Message-ID: <b03b87e2.0209121428.24f9ed2f@posting.google.com>
References: <UiIf9.84421$%P6.38577413@e3500-atl1.usenetserver.com>
<aTRf9.1325$_T4.105258@news.bit-net.com>
NNTP-Posting-Host: 204.96.8.2
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1031869686 24368 127.0.0.1 (12 Sep 2002 22:28:06 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: 12 Sep 2002 22:28:06 GMT
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:12132

> "Chris" <cnafl@bellsouth.net> wrote in message
> news:UiIf9.84421$%P6.38577413@e3500-atl1.usenetserver.com...
> > I'm getting my Technician class license soon.
> > My dad is getting me a ham radio but doesn't know what to get.
> > What is a good cheap ham radio? What is a good company?
> > What kind of ham radio should I get? base? mobile? portable?
> > What band should I be using? 6m? 2m? 1.25m? 70 cm? etc.
> > I would only be allowed on VHF and UHF.
> > What kind of antenna should I get?
> > Please help me. Thank you.
> >
> >
> >

Chris, I can't see your message because you have your archive set to no archive and it will not show up on services like Google, but I can see your message in quotes from other people.

You may want to consider the Pryme ADI AT-201 2-meter hand-held radio. It has a 12-volt NiMh battery for a full 5-watts out. The price is fantastic...$99! You can buy it from http://www.hamradio.com

Here is a link to a PDF file for the radio:

http://www.pryme.com/at-201.pdf

Randy
KD4OWL

From -2373846761385481234
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,602776f9aa6a8847,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,602776f9aa6a8847,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 115af6,602776f9aa6a8847,start
X-Google-Attributes: gid115af6,public
X-Google-ArrivalTime: 2002-09-13 16:58:38 PST

Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
logbridge.uoregon.edu!nntp-server.caltech.edu!attla2!ip.att.net!attbi_feed3!
attbi.com!rwcrnsc51.ops.asp.att.net.POSTED!not-for-mail
Reply-To: <videocollektor@attbi.com>
From: <videocollektor@attbi.com>
Newsgroups: rec.ham-radio,rec.radio,rec.radio.scanner
Subject: Is there a website to hear Cambrige, Mass police & fire??
Lines: 7
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Message-ID: <NYug9.296617$_91.362587@rwcrnsc51.ops.asp.att.net>
NNTP-Posting-Host: 24.128.169.5
X-Complaints-To: abuse@attbi.com
X-Trace: rwcrnsc51.ops.asp.att.net 1031961517 24.128.169.5 (Fri, 13 Sep 2002
23:58:37 GMT)
NNTP-Posting-Date: Fri, 13 Sep 2002 23:58:37 GMT
Organization: AT&T Broadband
Date: Fri, 13 Sep 2002 23:58:37 GMT
Xref: archiver1.google.com rec.radio.scanner:40577

Can anyone tell me if there is a website where I can listen to
Cambridge,Massachusetts Police and Fire Dispatch??

Please email reply also if possible...Thanks

From -5659953718882328269
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fcec837a6cca8c59
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,2aa42f1032416d37
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,fcec837a6cca8c59
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-09-13 23:04:58 PST
Path: archiver1.google.com!postnews1.google.com!not-for-mail
From: perkins@nook.net (Nate)
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: Im looking for a good cheap ham radio
Date: 13 Sep 2002 23:04:57 -0700
Organization: http://groups.google.com/
Lines: 49
Message-ID: <af1dfd8c.0209132204.38a94fa9@posting.google.com>
References: <UiIf9.84421$%P6.38577413@e3500-atl1.usenetserver.com> <Ky1g9.96690$
%P6.47118966@e3500-atl1.usenetserver.com>
<997g9.312$w44.15373@sooner.brightok.net>
NNTP-Posting-Host: 24.237.254.18
Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1031983498 8064 127.0.0.1 (14 Sep 2002 06:04:58 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: 14 Sep 2002 06:04:58 GMT
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:12162

"M. Schneider" <markinokla@juno.com> wrote in message
news:<997g9.312$w44.15373@sooner.brightok.net>...
> Chris,
>
> WELCOME!! and congratulations! I personally like the service at AES
> (Amateur Electronics Supply) www.aesham.com Looking at their recent
> catalog, I see two 2M HTs worthy of consideration, both for $100. These are
> the ADI AT-201HP and the Icom IC-T2H Sport. Both are full-sized, full power
> (for HTs, this is 5-6 watts) with comparable features. The ADI has a
> rechargeable battery pack, while the Icom has a AA battery holder. I
> personally like to have both options to power my HTs, but if I was buying
> new right now, I'd go with the ADI. The AA battery holder for the ADI is
> likely to be cheaper to add than a rechargeable battery for the Icom, plus
> I've had goo luck with ADI's products. However, Icom is a top quality
> company, most anything they make is going to be good. You might try
> www.eham.net and check their reviews, this will give you some other user's
> opinions.
>
> 73,
> Mark

I have both the Alinco DJ-196 and the Vertex (Yaesu) VX-150. Either
one is a great rig. I think the Vertex is built more for stout, and
for a first radio, 2 meter, it is full featured. I would opt for the
larger capacity battery, but don't buy it from Yaesu. Aftermarket is
much cheaper. You can get the VX-150 at AES right now for $119, and it
will do everything you want. Go to www.eham.net and read the "product
reviews" section. The VX-150 is well received by those who have
them.....

> K5MAR
>
> "Chris" <cnafl@bellsouth.net> wrote in message
> news:Ky1g9.96690$%P6.47118966@e3500-atl1.usenetserver.com...
> > Thanks for the advice everyone. I just took my Technician class exam
> > yesterday and passed. I still need to look for ham radios though.
> >
> > By the way im only 13. Someone sent me an email thinking I was an adult.
> >
> > So I guess im getting a 2m because everyone says its the best.
> > And I think my dad is going to get me either a mobile or portable radio.
> >
> > What is a good store to buy ham radios and antennas from?
> >
> > Please keep posting suggestions for ham radios and antennas. Thank you.

> >
> >
> >

From 7587668355666096376
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fcec837a6cca8c59
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,2aa42f1032416d37
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,fcec837a6cca8c59
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-09-14 06:30:46 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-01!sn-xit-08!supernews.com!newsfeed.news2me.com!ps01-sjc1!news.webusenet.com!pc01.webusenet.com!news4.srv.hcvlny.cv.net.POSTED!53ab2750!not-for-mail
From: "DougSlug" <w2dug@arrl.net>
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,rec.ham-radio
References: <UiIf9.84421$%P6.38577413@e3500-atl1.usenetserver.com>
Subject: Re: Im looking for a good cheap ham radio
Lines: 44
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <jqGg9.32797$e44.1191322@news4.srv.hcvlny.cv.net>
Date: Sat, 14 Sep 2002 09:01:18 -0400
NNTP-Posting-Host: 67.82.218.149
X-Trace: news4.srv.hcvlny.cv.net 1032008463 67.82.218.149 (Sat, 14 Sep 2002 09:01:03 EDT)
NNTP-Posting-Date: Sat, 14 Sep 2002 09:01:03 EDT
Organization: Optimum Online
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:12169

Since you didn't specify a price range, I'm not sure what you consider "cheap", but you might want to consider the following in your selection process:

If this is your first rig, you may want to have more than just 2m capability. I agree that the 2m band is a good place to start, but while you're at it, you might want to try the other Tech-accessible bands as well, because they each offer different advantages.

For instance, if you want to try homebrewing antennas, you can make a very effective one for the 70cm band, called a 1/4-wave ground plane, very easily because it is small and the materials are inexpensive. The 6m band (with appropriate antenna) can be a very interesting band as well. And of course the 2m band generally offers a lot of activity for making lots of local contacts.

If you think you might be interested in a multi-band rig, the Yaesu VX-5R is a great choice. They go for $250 new right now, and there may be a lot of second-hand units available. This is a solid performer, well-built and a well established product. This was my first rig and now I have two of them. Two of my friends (Advanced class) saw mine and bought ones for themselves, too!

Search the Web for used ones at QRZ.com, eHam.net, Yahoo!Groups (YAESUVX5 group), and probably lots of other places.

- Doug

"Chris" <cnafl@bellsouth.net> wrote in message
news:UiIf9.84421$%P6.38577413@e3500-atl1.usenetserver.com...
> I'm getting my Technician class license soon.
> My dad is getting me a ham radio but doesn't know what to get.
> What is a good cheap ham radio? What is a good company?
> What kind of ham radio should I get? base? mobile? portable?
> What band should I be using? 6m? 2m? 1.25m? 70 cm? etc.
> I would only be allowed on VHF and UHF.
> What kind of antenna should I get?
> Please help me. Thank you.
>
>
>

```
From 2512346975921275558
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,602776f9aa6a8847
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,602776f9aa6a8847
X-Google-Attributes: gidfa029,public
X-Google-Thread: 115af6,602776f9aa6a8847
X-Google-Attributes: gid115af6,public
X-Google-ArrivalTime: 2002-09-15 14:47:31 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
canoe.uoregon.edu!logbridge.uoregon.edu!nntp-server.caltech.edu!attla2!ip.att.net!
attbi_feed3!attbi.com!rwcrnsc52.ops.asp.att.net.POSTED!not-for-mail
Reply-To: <videocollektor@attbi.com>
From: <videocollektor@attbi.com>
Newsgroups: rec.ham-radio,rec.radio,rec.radio.scanner
References: <NYug9.296617$_91.362587@rwcrnsc51.ops.asp.att.net>
Subject: Is there a website to hear Cambrige, Mass police & fire??
Lines: 11
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Message-ID: <Qd7h9.280779$kp.912427@rwcrnsc52.ops.asp.att.net>
NNTP-Posting-Host: 24.128.169.5
X-Complaints-To: abuse@attbi.com
```

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X-Trace: rwcrnsc52.ops.asp.att.net 1032126448 24.128.169.5 (Sun, 15 Sep 2002
21:47:28 GMT)
NNTP-Posting-Date: Sun, 15 Sep 2002 21:47:28 GMT
Organization: AT&T Broadband
Date: Sun, 15 Sep 2002 21:47:28 GMT
Xref: archiver1.google.com rec.radio.scanner:40651
```

Didn't get any help on this question so I'm re-posting....(got 2 suggestions but both didn't work out...)
Can anyone tell me if there is a website where I can listen to Cambridge,Massachusetts Police and Fire Dispatch??

Please email reply also if possible...Thanks

```
From -1464243339066592614
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,4e30d31a7c753e3e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 111c68,4e30d31a7c753e3e,start
X-Google-Attributes: gid111c68,public
X-Google-Thread: 11081f,4e30d31a7c753e3e,start
X-Google-Attributes: gid11081f,public
X-Google-Thread: fddbf,4e30d31a7c753e3e,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 2002-09-17 17:09:17 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
logbridge.uoregon.edu!news.maxwell.syr.edu!newsfeed1.cidera.com!Cidera!
news1.fdn.com!lexe2kmhokl.com!24.227.118.95
From: Bret A Fausett <bret@lexe2kmhokl.com>
Message-ID: <b55f7292.917135e6@lexydbom3v1.com>
Newsgroups: rec.golf,rec.guns,rec.ham-radio,rec.ham-radio.packet
Subject: Blind Vigilantes
Approved: Bret A Fausett <bret@lexe2kmhokl.com>
Organization: Hancock, Rothert & Bunshoft
Sender: bret@lextext.com
X-Newsreader: NN version 6.5.0 #10 (NOV)
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Followup-To: news.admin.net-abuse.email
Lines: 258
Date: Tue, 17 Sep 2002 22:23:02 GMT
NNTP-Posting-Host: 216.199.92.210
X-Trace: news1.fdn.com 1032307654 216.199.92.210 (Tue, 17 Sep 2002 20:07:34 EDT)
NNTP-Posting-Date: Tue, 17 Sep 2002 20:07:34 EDT
Xref: archiver1.google.com rec.guns:179487
```

Blackhole lists offer dark prospects

By Bret A Fausett

New Architect
August 2002

Most of the email I receive these days is spam, yet I've never purchased anything advertised in a piece of unsolicited commercial email. I'm not even sure that I've ever clicked on a link sent to me in a piece of unsolicited commercial email.

I haven't found any good method of blocking spam. Fortunately, I have a broadband connection, so things aren't as bad as they could be. But whenever I travel and find myself connecting via modem, I'm constantly frustrated by the significant amount of time I have to spend downloading junk mail, which is sometimes billed at exorbitant hotel or foreign telephone rates. So you'd think that I'd be somewhat sympathetic to the efforts of groups that create blackhole lists.

For those of you unfamiliar with a blackhole list, it's a list that's typically maintained by volunteer antispam advocates. It contains the IP addresses and domain names of certain mail servers allegedly used to send unsolicited email messages en masse. When an Internet service provider subscribes to one or more of the blackhole lists, any inbound email to its service originating from a mail server on the lists is automatically rejected. The subscriber to a blackhole list doesn't filter based on the actual content of the email, just its place of origin, which makes this practice a fairly crude tool. It blocks all messages from specific locations regardless of content.

Anyone who finds his or her mail server erroneously listed on a blackhole list can usually get off the list by establishing that he or she has remedied whatever server insecurity spammers exploited. At least that's how it works in theory.

I don't run an insecure mail server, but mine recently found its way onto a blackhole list. I've tried to get off the list, but to no avail. I've become just another victim of vigilante justice on the Internet.

The Wrong Guy

One day back in March, I tried to send a friend of mine an email. It bounced. The mail server that rejected my message sent a polite note back explaining that the address of my mail server was now listed on its ISP's blackhole list.

Over the next two weeks, the circle of people to whom I could send email started to shrink. Soon, even my father's email address was off-limits to me.

The primary way to get on a blackhole list is to run an open relay. For various reasons having to do with access to networks and efforts to conceal their identities, senders of mass unsolicited email predominantly exploit such relays. An open relay accepts mail from anyone in the world and relays it to whomever is listed in the address. Most mail servers aren't open relays. They accept mail only from subscribers to that network's services, or from a set of persons specifically identified on the server. In spite of grass roots efforts to close the open relays, there are still more than a few of them out there.

Not Guilty

My mail server, however, was not an open relay. I have no idea who first submitted my name to a blackhole list operator in Denmark, but sometime in March of this year the operator added my mail server to its list. The first time the service was used to reject a piece of my mail, the rejection came accompanied by an explanation of why I was on the list and what I could do to be removed from it. The explanation was that I was running an open relay. How could I get off the list? That was simple, the message said. Close the open relay, and send a message to the operator's server asking to be re-scanned.

Of course, as I mentioned, my mail server was never an open relay in the first place. So in response to the rejection message I received, I asked the blackhole list service if it would kindly re-scan my mail server and make another determination as to whether it was an open relay. I was sure that there had been some mistake and that on a second try, it would realize the error in its initial judgment. Shortly after I submitted my request, I sat down to monitor my mail logs. This time I saw the service in Denmark address my mail server. I watched my mail server accept the message and then pass the piece of email back to the Danish mail server. The Danish server promptly sent a message saying that my server was still operating as an open relay.

How had it gained access to my mail server? Simple. It had forged the headers on its email to convince my mail server that the email it sent was from a permitted user. You see, my mail servers were set up to pass mail only from a domain name of which I am the only user. It blocks everything else. That's not an open relay. Unless you're a user in my domain, you can't use it.

Blocked

The group based in Denmark had pretended to be me, forged an email as though it had come from an address that only I am authorized to use, passed it through the mail server in my house, and then placed me on a list of people who should be blocked from sending mail. They circulated that list around the world. ISPs used by my friends and family here the United States subscribed to this list. Now, through no fault of my own�and in fact because of the trickery of Danish email activists�I was no longer able to send email to many people in my address book.

It's hard to describe how angry this made me. The Danish consortium had lied about their identity, and I was paying for it.

The worst thing about being blacklisted, however, wasn't that I could no longer send email, but that spammers began actively trying to use my mail server to send their spam. You see, blackhole lists work both ways. ISPs use it to block traffic, but as I've recently discovered, the spammers themselves use the lists as a kind of directory of servers to use for sending their mail.

If you look at my mail server logs, you'll see that every few seconds or so, someone, somewhere tries to access my mail server and use it to send mail. Each time, without fail, my mail server declines the request and refuses to relay the requested message. It isn't an open relay. It's just doing its job. But my machine is bombarded with requests from all over the world from spammers seeking to use its minimal capabilities to send their penis enlarging, breast enhancing, get-rich-quick messages.

My Rights

But, hey, I'm a lawyer, right? I'm supposed to be able to solve this kind of dilemma. And there are a few things I could do.

For one, the Danish antispam organization falsified an email header to gain access to my mail server. Illegal access to a computer system is, if not a criminal violation, then a trespass on my private property. As I've discussed previously in this space, one of the novel legal theories now catching on for these kinds of unacceptable accesses to computer systems is a centuries-old tort called "trespass to chattels." At a minimum, I ought to be able to sue the Danish company for the damage it caused me from its illegal access.

Granted, the damage caused by my inability to send an email is likely not terribly significant. You can always pick up the phone, print the message out, and fax it or mail it�or just use a different mail server. But in spite of all that, I could probably get an injunction, or least a dollar or two to compensate me for my injuries and establish that I have been wronged.

The problem, of course, is that the loose organization of individuals who compiled the blackhole list is based in Denmark. Who knows whether the organization is a real legal entity or just some name cooked up by a group of self righteous individuals. However, they do have a domain name, and an IP address, and they circulate their work to ISPs around the world. In other words, there is a group for me to sue. But taking legal action on foreign entities is difficult. I would have to translate my legal documents into Danish. I would have to hire someone in Denmark to personally deliver these translated documents to the entity that I would be suing. That costs time and money.

But I could sue them here in Los Angeles, California, that much I know. By sending their forged email through my mail server, which is located in my den in Los Angeles, they fulfilled certain California legal requirements that would let me sue them here. The connection to Los Angeles is also bolstered by the fact that I live here and my injury was suffered here.

Of course, all of this is starting to sound like the kind of hypothetical legal conundrum that you might find on a law school exam. Problems like mine often remain hypothetical because the expense of bringing them to trial is so great, and the ability to gain any monetary relief from lawsuits is minimal. That's why the black hole providers have been able to get away with their vigilante justice for so long. For any individual user wronged by their efforts�and from what I understand, there are a lot of people in similar situations�the costs of pursuing these organizations, which are often located overseas, is too great. These groups of volunteer organizations have no assets to speak of�they are volunteers after all�and plaintiffs' lawyers are hesitant to take a case without the prospect of a lucrative damages judgment.

The Case

Before you think that this is all just about me and the fact that my father no longer receives any email from me, there are bigger policy implications for private individuals and companies that take steps to block connectivity. Much bigger.

I've long championed the idea that the Internet should remain largely unregulated by governments. But at the same time, any private operator at an end point in the Internet's architecture can restrict the flow of content to a user.

What's wonderful about the Internet is that it enables end-to-end communication from anywhere in the world to anywhere in the world. For all of the problems caused by spam, email is still the most widely used application on the Internet. So the idea that private parties could get ISPs to block some people from talking to other people should be deeply troublesome.

The Danish blackhole list operators want to block access to computers that might be used for spam, but it's easy to imagine blacklists used for less noble purposes. For example, imagine that the RIAA compiled a list of IP addresses which, it contended, had at some time used peer-to-peer file sharing programs. Because these peer-to-peer systems could transmit copyrighted materials in a way that infringes on the copyright owner's rights, the RIAA could argue, those IP addresses should be blocked. It isn't difficult to imagine that the RIAA could pressure a sufficient number of ISPs into subscribing to this copyright blackhole list and blocking access to their users, or to any traffic emanating from them.

Breaking end-to-end connectivity for any application, whether email or peer-to-peer or the Web, threatens the very thing that makes the Internet valuable. These are matters of principle. Which reminds me� I have a lawsuit to file.

Bret is an intellectual property and Internet attorney with Hancock, Rothert & Bunshoft. You can reach him at bret@lextext.com.

--
Lots of cards totally learn the glad hallway.

Hardly any weird lemon or desert, and she'll neatly mould everybody.

From -6076777735594971605
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5017385035a9a236,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,5017385035a9a236,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: fa029,5017385035a9a236,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 10ddb1,5017385035a9a236,start
X-Google-Attributes: gid10ddb1,public
X-Google-ArrivalTime: 2002-09-26 16:35:21 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!bloom-beacon.mit.edu!news-out.cwix.com!newsfeed.cwix.com!prodigy.com!rip!newsfeeds-atl2!news.webusenet.com!news03.bloor.is.net.cable.rogers.com!news04.bloor.is.net.cable.rogers.com.POSTED!not-for-mail
From: "Oleg M." <omhome@rogers.com>
Newsgroups: alt.radio.scanner.flame_fest,rec.ham-radio,rec.radio.cb,rec.radio.scanner
Subject: NEW NO GAPS SCANNER YUPITERU MVT-7100
Lines: 10
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2919.6700
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6700
Message-ID: <YQMk9.121208$U_.74015@news04.bloor.is.net.cable.rogers.com>
Date: Thu, 26 Sep 2002 23:35:20 GMT
NNTP-Posting-Host: 24.156.83.38
X-Complaints-To: abuse@rogers.com
X-Trace: news04.bloor.is.net.cable.rogers.com 1033083320 24.156.83.38 (Thu, 26 Sep 2002 19:35:20 EDT)
NNTP-Posting-Date: Thu, 26 Sep 2002 19:35:20 EDT
Xref: archiver1.google.com alt.radio.scanner.flame_fest:26237 rec.radio.cb:92729 rec.radio.scanner:40907

YUPITERU MVT-7100
This scanner is brand new, unopened and not refurbished.
Full, continuous coverage from 530 kHz ~ 1650MHz.
Comes with antenna, car connector, NI-CD batteries (4), hand strap, belt clip, earphone and English manual + Owner's guide and Operating Instructions by Richard J. Wells.
$270 US.
mi1ol@icqmail.com

From 9168228647166780654
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4056402528dcd4f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115af6,e4056402528dcd4f,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: fa029,e4056402528dcd4f,start

```
X-Google-Attributes: gidfa029,public
X-Google-ArrivalTime: 2002-09-26 23:56:31 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
news.ems.psu.edu!news.cis.ohio-state.edu!news.maxwell.syr.edu!news-
xfer.newsread.com!netaxs.com!newsread.com!grr!newsfeeds-atl2!news.webusenet.com!
pc01.webusenet.com!e3500-atl1.usenetserver.com.POSTED!not-for-mail
From: "Redd" <red_gringo@prostart.net>
Newsgroups: rec.ham-radio,rec.radio,rec.radio.scanner
Subject: Memphis Police frequency
Lines: 4
Organization: none
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <T4Tk9.25816$Ov6.3388473@e3500-atl1.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Fri, 27 Sep 2002 02:41:55 EDT
Date: Fri, 27 Sep 2002 01:52:05 -0500
Xref: archiver1.google.com rec.radio.scanner:40923
```

Does anyone know what type of encryption radio the Memphis, TN
police use and if there is a scanner that will decode the signal.

```
From -1432826182086282919
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5017385035a9a236
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,5017385035a9a236
X-Google-Attributes: gidfa029,public
X-Google-Thread: 106d41,5017385035a9a236
X-Google-Attributes: gid106d41,public
X-Google-Thread: 10ddb1,5017385035a9a236
X-Google-Attributes: gid10ddb1,public
X-Google-ArrivalTime: 2002-09-27 14:34:53 PST
Path: archiver1.google.com!postnews1.google.com!not-for-mail
From: brother_lloyd_99@yahoo.com (Brother Lloyd)
Newsgroups: alt.radio.scanner.flame_fest,rec.ham-
radio,rec.radio.cb,rec.radio.scanner
Subject: Re: NEW NO GAPS SCANNER YUPITERU MVT-7100
Date: 27 Sep 2002 14:34:52 -0700
Organization: http://groups.google.com/
Lines: 20
Message-ID: <27e38977.0209271334.3a1f1b69@posting.google.com>
References: <YQMk9.121208$U_.74015@news04.bloor.is.net.cable.rogers.com>
NNTP-Posting-Host: 67.216.203.66
Content-Type: text/plain; charset=ISO-8859-1
```

Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1033162493 17342 127.0.0.1 (27 Sep 2002 21:34:53 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: 27 Sep 2002 21:34:53 GMT
Xref: archiver1.google.com alt.radio.scanner.flame_fest:26243 rec.radio.cb:92906 rec.radio.scanner:40935

"Oleg M." <omhome@rogers.com> wrote in message
news:<YQMk9.121208$U_.74015@news04.bloor.is.net.cable.rogers.com>...
> YUPITERU MVT-7100
> This scanner is brand new, unopened and not refurbished.
> Full, continuous coverage from 530 kHz ~ 1650MHz.
> Comes with antenna, car connector, NI-CD batteries (4), hand strap, belt
> clip, earphone and English manual + Owner's guide and Operating Instructions
> by Richard J. Wells.
> $270 US.
> mi1ol@icqmail.com

Is this a new scanner or the same old one that you are trying to get people to buy?

--
Lloyd Davies - N0VFP
God created only so many perfect heads...
 the rest he covered with hair !
ICOM R-75   Hallicrafters S-120
Radio Shack Dx-398/ATS-909/DX-440/DX-100
Pro-92 Pro 2050 - ADI HT-204 FT-470
http://clik.to/n0vfp

From 894825655111726651
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4056402528dcd4f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,e4056402528dcd4f
X-Google-Attributes: gidfa029,public
X-Google-Thread: 115af6,e4056402528dcd4f
X-Google-Attributes: gid115af6,public
X-Google-ArrivalTime: 2002-09-27 19:36:41 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!bloom-beacon.mit.edu!newsswitch.lcs.mit.edu!snoopy.risq.qc.ca!ps01-chi1!rip!newsfeeds-atl2!news.webusenet.com!pc01.webusenet.com!e3500-atl1.usenetserver.com.POSTED!not-for-mail
From: "Redd" <red_gringo@prostart.net>
Newsgroups: rec.ham-radio,rec.radio,rec.radio.scanner
References: <T4Tk9.25816$Ov6.3388473@e3500-atl1.usenetserver.com>
<bF1l9.25641$wH.2187@sccrnsc01>
Subject: Re: Memphis Police frequency
Lines: 37
Organization: none
X-Priority: 3
X-MSMail-Priority: Normal

X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <kn8l9.31038$Ov6.4306984@e3500-atl1.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Fri, 27 Sep 2002 22:22:08 EDT
Date: Fri, 27 Sep 2002 21:32:20 -0500
Xref: archiver1.google.com rec.radio.scanner:40939

Is there a scanner on the market that will receive and decode
this system? What is the cost ?

> >Does anyone know what type of encryption radio the Memphis, TN
> >police use and if there is a scanner that will decode the signal.
> >
> System Name: Memphis Public Safety
> Location: Memphis, TN
> County: Shelby
> System Type: Motorola Type II ASTRO Smartzone
> Sysid: 511c
> CT: 116.3
> Digital Type: ASTRO - VSELP
> Last Updated: 05-07-02 07:22 by :
> Hits: 65
>
> Update Posted on 05-09-01 00:00
> The City of Memphis uses this 2-Site ASTRO SmartZone system for all city
> operations. This system is not APCO-25 compliant, rather it uses the older
> Motorola VSELP vocoder technology. ASTRO Sabers and XTS-3000s are the
> portables in use and Spectras as the mobiles. Police and Fire operations
are
> in digital mode whereas public works operations are in analog mode.
>
>
> --
> Best Regards,
>
> Keith
> http://home.attbi.com/~n6jpa/
> Win32 Freeware
> PGP/Open PGP
> NW Oregon Shortwave, Ham and Police/Fire Radio
>

From -9038858171708928168
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4056402528dcd4f

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115af6,e4056402528dcd4f
X-Google-Attributes: gid115af6,public
X-Google-Thread: fa029,e4056402528dcd4f
X-Google-Attributes: gidfa029,public
X-Google-ArrivalTime: 2002-09-28 12:00:20 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!logbridge.uoregon.edu!arclight.uoregon.edu!wn4feed!worldnet.att.net!204.127.198.204!attbi_feed4!attbi.com!rwcrnsc52.ops.asp.att.net.POSTED!not-for-mail
Newsgroups: rec.ham-radio,rec.radio,rec.radio.scanner
From: Keith <n6jpa_spam@attbi.com>
Subject: Re: Memphis Police frequency
References: <T4Tk9.25816$Ov6.3388473@e3500-atl1.usenetserver.com> <bF1l9.25641$wH.2187@sccrnsc01> <kn8l9.31038$Ov6.4306984@e3500-atl1.usenetserver.com>
Organization: http://home.attbi.com/~n6jpa/
Reply-To: n6jpa@myrealbox.com
Summary: Radio Hobby Monitoring and Ham Radio - Linux
Message-ID: <slrnapbue6.1l4.n6jpa_spam@12-225-29-45.client.attbi.com>
User-Agent: slrn/0.9.7.4pl1 (Linux)
Lines: 18
NNTP-Posting-Host: 12.225.29.45
X-Complaints-To: abuse@attbi.com
X-Trace: rwcrnsc52.ops.asp.att.net 1033239619 12.225.29.45 (Sat, 28 Sep 2002 19:00:19 GMT)
NNTP-Posting-Date: Sat, 28 Sep 2002 19:00:19 GMT
Date: Sat, 28 Sep 2002 19:00:19 GMT
Xref: archiver1.google.com rec.radio.scanner:40952

On Fri, 27 Sep 2002 21:32:20 -0500,
Redd <red_gringo@prostart.net> wrote:

> Is there a scanner on the market that will receive and decode
> this system? What is the cost ?
>
>

No, the BC-780D and 250D digital scanners that are coming out in November will not be able to listen to these systems becuase this is not a APCO-25 complaint system, it is a Motorola digital system. If Memphis ever upgrades to the new APCO-25 then you will be able to use the digital scanner.

--
Best Regards, Keith NW Oregon Radio http://n6jpa.home.attbi.com/
The problem with Linux is that users always BASH Tux's shell. Linux 2.4.7-10
How can you have any pudding if you don't eat your meat?
          -- Pink Floyd

From -1673731563210693934
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4056402528dcd4f

```
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115af6,e4056402528dcd4f
X-Google-Attributes: gid115af6,public
X-Google-Thread: fa029,e4056402528dcd4f
X-Google-Attributes: gidfa029,public
X-Google-ArrivalTime: 2002-09-28 19:39:19 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed-east.nntpserver.com!
nntpserver.com!border1.nntp.aus1.giganews.com!nntp.giganews.com!
nntp3.aus1.giganews.com!bin2.nnrp.aus1.giganews.com.POSTED!not-for-mail
From: Rocinante <matrixoutsider@hotmail.com>
Newsgroups: rec.ham-radio,rec.radio,rec.radio.scanner
Subject: Re: Memphis Police frequency
Message-ID: <3tpcpugel62hb67n88fe8uugqqmfbvn0ij@4ax.com>
References: <T4Tk9.25816$Ov6.3388473@e3500-atl1.usenetserver.com>
<bF1l9.25641$wH.2187@sccrnsc01> <kn8l9.31038$Ov6.4306984@e3500-
atl1.usenetserver.com> <slrnapbue6.1l4.n6jpa_spam@12-225-29-45.client.attbi.com>
X-Newsreader: Forte Agent 1.92/32.572
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
NNTP-Posting-Date: Sat, 28 Sep 2002 21:39:18 CDT
Organization: Giganews.Com - Premium News Outsourcing
Lines: 21
X-Trace: sv3-B91tsmi/FPT4PxiouqhCh62j1fuN7+9U9IHH8zFjbMcuyhqtkecD/D1Bl/
2VDKTS5haTip9C21dNOmA!
30Qead71waETCfZf+mo1MCsemA5IWCclOFqabUHGgVi+2NmpvBlMJ1R5xCqSrQMR
X-Complaints-To: abuse@GigaNews.Com
X-DMCA-Notifications: http://www.giganews.com/info/dmca.html
X-Abuse-and-DMCA-Info: Please be sure to forward a copy of ALL headers
X-Abuse-and-DMCA-Info: Otherwise we will be unable to process your complaint
properly
X-Postfilter: 1.1
Date: Sun, 29 Sep 2002 02:39:18 GMT
Xref: archiver1.google.com rec.radio.scanner:40958
```

On Sat, 28 Sep 2002 19:00:19 GMT, Keith <n6jpa_spam@attbi.com> wrote:

>On Fri, 27 Sep 2002 21:32:20 -0500,
>Redd <red_gringo@prostart.net> wrote:
>
>> Is there a scanner on the market that will receive and decode
>> this system? What is the cost ?
>>
>>
>
> No, the BC-780D and 250D digital scanners that are coming out in November
>will not be able to listen to these systems becuase this is not a APCO-25
>complaint system, it is a Motorola digital system. If Memphis ever upgrades
>to the new APCO-25 then you will be able to use the digital scanner.

Where can I find out what digital system my town uses?

(and if it's apco compliant)

From 4340738359922788690
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4056402528dcd4f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,e4056402528dcd4f
X-Google-Attributes: gidfa029,public
X-Google-Thread: 115af6,e4056402528dcd4f
X-Google-Attributes: gid115af6,public
X-Google-ArrivalTime: 2002-09-28 21:40:20 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
logbridge.uoregon.edu!arclight.uoregon.edu!wn4feed!worldnet.att.net!
204.127.198.203!attbi_feed3!attbi.com!sccrnsc02.POSTED!not-for-mail
Newsgroups: rec.ham-radio,rec.radio,rec.radio.scanner
From: Keith <n6jpa_spam@attbi.com>
Subject: Re: Memphis Police frequency
References: <T4Tk9.25816$Ov6.3388473@e3500-atl1.usenetserver.com>
<bF1l9.25641$wH.2187@sccrnsc01> <kn8l9.31038$Ov6.4306984@e3500-
atl1.usenetserver.com> <slrnapbue6.1l4.n6jpa_spam@12-225-29-45.client.attbi.com>
<3tpcpugel62hb67n88fe8uugqqmfbvn0ij@4ax.com>
Organization: http://home.attbi.com/~n6jpa/
Reply-To: n6jpa@myrealbox.com
Summary: Radio Hobby Monitoring and Ham Radio - Linux
User-Agent: slrn/0.9.7.4pl1 (Linux)
Lines: 14
Message-ID: <Tuvl9.33952$bX.5978@sccrnsc02>
NNTP-Posting-Host: 12.225.29.45
X-Complaints-To: abuse@attbi.com
X-Trace: sccrnsc02 1033274419 12.225.29.45 (Sun, 29 Sep 2002 04:40:19 GMT)
NNTP-Posting-Date: Sun, 29 Sep 2002 04:40:19 GMT
Date: Sun, 29 Sep 2002 04:40:19 GMT
Xref: archiver1.google.com rec.radio.scanner:40959

On Sun, 29 Sep 2002 02:39:18 GMT,
Rocinante <matrixoutsider@hotmail.com> wrote:

> Where can I find out what digital system my town uses?
>

http://www.trunkedradio.net is one place to look. I'm sure that once the digital scanners come out there will be a lot more information available on the web.

--
Best Regards, Keith NW Oregon Radio http://n6jpa.home.attbi.com/
The problem with Linux is that users always BASH Tux's shell. Linux 2.4.7-10
Boys, you have ALL been selected to LEAVE th' PLANET in 15 minutes!!

```
From -4330374116727923814
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,d6d0bfab6d7f80ba
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,d6d0bfab6d7f80ba
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 2002-04-09 02:19:07 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-01!supernews.com!iad-
peer.news.verio.net!news.verio.net!news.maxwell.syr.edu!newsfeed.slurp.net!not-
for-mail
From: "Chris" <chrisderuyte@otn.net>
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio
References: <M9as8.5832$cC5.1730038@newsfeed.slurp.net>
<3CB21AA7.6050803@swbell.net>
Subject: Re: What have I gotten myself into?
Lines: 70
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Message-ID: <dmys8.200$Nc6.41989@newsfeed.slurp.net>
Date: Mon, 8 Apr 2002 18:08:42 -0700
NNTP-Posting-Host: 206.170.166.70
X-Trace: newsfeed.slurp.net 1018343945 206.170.166.70 (Tue, 09 Apr 2002 04:19:05
CDT)
NNTP-Posting-Date: Tue, 09 Apr 2002 04:19:05 CDT
Xref: archiver1.google.com alt.ham-radio.marketplace:9162
```

Thanks for the replies. I got the rig for $400.00. Pretty good start, I suppose!

Mike Delaney <mad1954@swbell.net> wrote in message
news:3CB21AA7.6050803@swbell.net...

> Hi Chris,
>
> Welcome to the hobby. If you are near a radio shack store, you can (I
> think they still carry this) purchase a book called "Tune in the World".
>   Its an introduction to amateur radio. If you look up the arrl site,
> you can find out if there are any clubs near you that offer classes. In
> order to use the 725, you would need to take morse code and two theory
> tests, but that may change, they have down sized the morse to five words
> a minute, but its still a requirement to work below 50 Mhz.
> As far as the cost of the radio, that's a lot to money to invest right
> away. You will need antennae to go with it, another three hundred and
> more dollars, you could "home brew" one cheaper, but that's another story.
> The price of that rig may be researched by lots of looking, I don't own
> one, nor do I know the "average" value of one. Look on e-bay to compare
> prices. There is an icom site on the internet, they might be able to
> tell you when the rig was first on the market. Also, flea markets also
> called hamfests, are a good place to look. Look, look and look some
> more, as this is an expensive hobby. I would contact a club nearby and
> ask some of the members to "elmer" you. They should be very helpful.

> If they aren't, they should be.
> Again, welcome to the hobby, I've been a ham for twelve years, not done
> much as far as h.f. goes, mostly active with my club using two meter
> radios, my handy talky is a Radio Shack HTX-202, its old, but works for
> me. 73, and good luck finding a radio right for you.
>
>
> de, Mike in OK
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> Chris wrote:
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> > After many years of SW listening, I just bought an Icom IC-725.
> > So I'm going to be a Ham newbie (don't laugh, we need as many new Hams
as
> > possible!!)
> > 1) Where do I start to learn about current licensing requirements, and
how
> > to set up an effective
> > but relatively simple tx/rx antenna (if there is such a thing!)?
> > 2) All the reviews that I have read indicate that the 725 is a pretty
decent
> > rig. How does it rate among all of the choices out there? (lousy,fair,
good,
> > great, unbelievable...)
> > 3) I came across a valuation of $700.00, used. Is this accurate?
> > 4) When was this unit produced? (it looks pretty modern)
> > 5) Do I have to wait until I'm completely bald to start using it, or is
> > severely receding enough? (Just kidding!)
> > 6) Where would I find out how to set it up for mobile use? I read of one
> > user who had it in his trunk - wouldn't you want to be able to adjust
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> > controls??!
> > 7) Which is/are the best newsgroups to follow in order to learn about
the
> > ham hobby?
> >
> > Any and all help, feedback and suggestions would be greatly appreciated!
> >
> > chrisderuyte@otn.net
> >
> >
> >
> >
>

From -1632437448030425l3
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,d6d0bfab6d7f80ba
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,d6d0bfab6d7f80ba

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 2002-04-12 09:00:30 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-post-01!supernews.com!corp.supernews.com!not-for-mail
From: WBill <b.abbay@humboldt1.com>
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio
Subject: Re: What have I gotten myself into?
Date: Fri, 12 Apr 2002 09:01:09 -0700
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <3CB704C5.D37C08FD@humboldt1.com>
X-Mailer: Mozilla 4.78 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
References: <M9as8.5832$cC5.1730038@newsfeed.slurp.net>
<3CB21AA7.6050803@swbell.net> <dmys8.200$Nc6.41989@newsfeed.slurp.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Complaints-To: newsabuse@supernews.com
Lines: 95
Xref: archiver1.google.com alt.ham-radio.marketplace:9198

Hi Chris,

The $400 you paid isn't too bad. Awhile ago, I went through much the same process and recorded every price I could find on every rig I could find between 0 and $1000. I had one price for the 725 of $450.

As for the rest, if you you do a google search on "ham radio" you will find enough reading to last you several days, all free, and many very good. The www.arrl.org site is a good resource but some of it's really interesting info is available only of you become a member ... which isn't all that bad of an idea.

Codewise, you gotta learn it to work HF, but only to 5 wpm. If you're an old phart, like me, you might find the old synapses aren't as agile as they used to be so it'll be a bit of a struggle. Keep at it. Once you wear a few ruts into the gray matter, it comes easier.

Finally, if you're a total greenhorn, joining up with a club and finding some human help is invaluable, especially with the nuts and bolts stuff like code, antennae and operations.

Best wishes,

Bill

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> > > chrisderuyte@otn.net
> > >
> > >
> > >
> > >
> >
```

```
From -7207609370273129755
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ffe61ff715dde32d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,ffe61ff715dde32d,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,ffe61ff715dde32d,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,ffe61ff715dde32d,start
X-Google-Attributes: gid11480d,public
X-Google-ArrivalTime: 2002-04-13 22:17:08 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news.tele.dk!
small.news.tele.dk!207.115.63.138!newscon04.news.prodigy.com!
newsmst01.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr21.news.prodigy.com.POSTED!not-for-mail
Message-ID: <3CB910C1.771EF34E@pacbell.net>
From: Herb Rosenberg <kg6ok@pacbell.net>
X-Mailer: Mozilla 4.79 [en] (WinNT; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.radio.amateur.dx,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur.misc
Subject: Win a Complete Amateur Radio Station?
Content-Type: multipart/alternative;
 boundary="------------17526BB3B4DECC5672B0F73C"
Lines: 175
NNTP-Posting-Host: 216.102.155.186
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr21.news.prodigy.com 1018761410 ST000 216.102.155.186 (Sun, 14 Apr
2002 01:16:50 EDT)
NNTP-Posting-Date: Sun, 14 Apr 2002 01:16:50 EDT
Organization: Prodigy Internet http://www.prodigy.com
X-UserInfo1:
[[PAPDCA[S@ERUPSAZIDM^P@VZ\LPCXLLBWLOOAFMASJETAANVW[AKWZE\]^XQWIGNE_[EBL@^_\^JOCQ^
RSNVLGTFTKHTXHHP[NB\_C@\SD@EP_[KCXX__AGDDEKGFNB\ZOKLRNCY_CGG[RHT_UN@C_BSY\G__IJIX_
PLSA[CCFAULEY\FL\VLGANTQQ]FN
Date: Sun, 14 Apr 2002 05:16:50 GMT
Xref: archiver1.google.com rec.radio.amateur.dx:6110 alt.ham-radio.hf:2006
rec.radio.amateur.misc:27869
```

--------------17526BB3B4DECC5672B0F73C
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

How would you like to win a Complete Amateur Radio Station?

Interested? Well, if you come to the International DX Convention in Visalia, CA on Friday - Sunday, April 26-28, 2002, and you buy enough raffle tickets, and you are very very lucky.....

You could walk out with all of this....... (a complete custom dream station, and more.....)

For a HF radio,
How about an ICOM 706MKII, Alinco DX77, Kenwood TS2000, and Yaesu FT1000MP Mark V HF transceivers?

For HF Antennas,
How about a Force 12 XR5 Beam, M2 KT36XA Beam, Cushcraft AW3S, Fulid Motion SteppIR Dipole, World Radio ZX20 Beam, and Butternut HV2 Vertical?

For Cabling,
How about 125 feet of National Wire & Cable premium rotor and coaxial cables?

For a Tower,
How about a US Tower TX-455 (yes, the whole tower)

For a microphone,
How about a Heil Goldline Microphone & and Heil Proset Head Set and a Limited Edition Astatic D-104 Collector's microphone?

For a Key,
How about a Bencher BY-1 Keyer and a Idiom Press LogiKey Iambic Keyer

For Station Accessories,
How about a AOR Multi terminal PSK, RTTY, decoder, Daiwa Watt Meters, a HAL DPX38 RTTY Demodulator, ClearSpeech speakers, DXer Dream Clocks, and Coffee Mugs?

Oh, yeah, and don't forget about,
AEA HF Antenna Analyser, Astron RS35m power supplies, W2IHY 8 Band Audio Equalizer, SGC Stealth Antenna System, and a complete Polyphaser Grounding System?

And of course, for all of these radios and antennas, you will need,
Top Ten Devices, International Radio Filters, and Array Solutions antenna switches,

For your Neighbors,
How about some low pass filters, phone filters, and ear muffs?

For your YL and / or XYL, you will have to have,
Wild Women Pins and collectibles

For Miscellaneous Stuff, that no shack is complete without,
How about a few thousand pre-printed deluxe QSL cards, Collector item ARRL Operating Manual, Collector Item ARRL Antenna Book, and a wide assortment of other books, cd's, and publications?

For Callbooks,
How about your choice of CDROM Callbooks from Buckmaster and Radio Amateur Callbooks?

For Logging and Contesting,
How about logging and contest software from DX4WIN, Writelog, NA, EQF Software, LOGic 5, MiLog, and others?

For HF Mobile Operating,
How about mobile antenna products from HI-Q Antennas, K6MB, W6AAQ, KJ7U, and others?

How about deep deep discount certificates on the purchase of ACOM, ALPHA, and Henry Radio Amplifiers & Tri-ex towers?

For your Reading Pleasure,
How about a life time subscription to World Radio Magazine, and 1 year subscriptions to CQ Magazine, Popular Communications, DX Magazine, QRZ DX, Daily DX, Weekly DX, Low Band Monitor, RTY Journal, and the K1BV Awards Directories?

For VHF / UHF,
How about some VHF / UHF / FRS handheld radios?

For Gift Certificates,
How about gift certificates to Amateur Electronic Supply - Las Vegas, The Wireman, Idiom Press, Peter Dahl Co, and Elecraft?

Interested? Well, come to the International DX Convention, and you may just walk out with all of this stuff, and more.

For details, check our web site at:

http://www.qsl.net/visalia2002/

```
--------------17526BB3B4DECC5672B0F73C
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<!doctype html public "-//w3c//dtd html 4.0 transitional//en">
<html>
<b><font size=+1>How would you like to win a Complete Amateur Radio Station?</
font></b>
```

```html
<p><b><i>Interested?&nbsp; Well, if you come to the International DX Convention
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<p><b>For a HF radio,</b>
<br>How about an ICOM 706MKII, Alinco DX77, Kenwood TS2000, and Yaesu FT1000MP
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<p><b>For Cabling,</b>
<br>How about 125 feet of National Wire &amp; Cable premium rotor and coaxial
cables?
<p><b>For a Tower,</b>
<br>How about a US Tower TX-455 (yes, the whole tower)
<p><b>For a microphone,</b>
<br>How about a Heil Goldline Microphone &amp; and Heil Proset Head Set
and a Limited Edition Astatic D-104 Collector's microphone?
<p><b>For a Key,</b>
<br>How about a Bencher BY-1 Keyer and a Idiom Press LogiKey Iambic Keyer
<p><b>For Station Accessories,</b>
<br>How about a AOR Multi terminal PSK, RTTY, decoder, Daiwa Watt Meters,
a HAL DPX38 RTTY Demodulator, ClearSpeech speakers, DXer Dream Clocks,
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<p><b>Oh, yeah, and don't forget about,</b>
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<p><b>For your Neighbors,</b>
<br>How about some low pass filters, phone filters, and ear muffs?
<p><b>For your YL and / or XYL, you will have to have,</b>
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Convention, and you may just walk out with all of this stuff, and more.</font></b>
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<p><a href="http://www.qsl.net/visalia2002/">http://www.qsl.net/visalia2002/</a>
<p>&nbsp;</html>

--------------17526BB3B4DECC5672B0F73C--




From 5147178446915142452
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e937778026cc8283
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11480d,e937778026cc8283
X-Google-Attributes: gid11480d,public
X-Google-Thread: 108122,e937778026cc8283
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,e937778026cc8283
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,e937778026cc8283
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2002-04-14 02:53:45 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
newsfeed.berkeley.edu!news-hog.berkeley.edu!ucberkeley!nntp-relay.ihug.net!
ihug.co.nz!cox.net!news1.west.cox.net.POSTED!53ab2750!not-for-mail
From: "azladiesaux" <azladiesaux@cox.net>
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.a
mateur.equipment
References: <ckpi8.7110$702.9635@sccrnsc02> <a6j431$c6o$1@bob.news.rcn.net>
Subject: Re: 6 meter antenna?
Lines: 21
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <Kkcu8.34736$%A.2588539@news1.west.cox.net>
Date: Sun, 14 Apr 2002 09:53:46 GMT
NNTP-Posting-Host: 68.2.28.177
X-Complaints-To: abuse@cox.net
X-Trace: news1.west.cox.net 1018778026 68.2.28.177 (Sun, 14 Apr 2002 05:53:46 EDT)
NNTP-Posting-Date: Sun, 14 Apr 2002 05:53:46 EDT
Organization: Cox Communications
Xref: archiver1.google.com rec.radio.amateur:3473 rec.radio.amateur.antenna:43141
```

```
rec.radio.amateur.dx:6112 rec.radio.amateur.equipment:27977

Another thing to try with the DP-GH62 is to put wooden dowels thru-out to
beef it up, this will help quite a bit with strong winds

"Mark Walsh" <mark@km6xu.die.spam.die.com> wrote in message
news:a6j431$c6o$1@bob.news.rcn.net...
> "JEEPMON" <JEEPMON@HOTMAIL.COM> wrote:
>
> > I need help picking the best 6 meter vertical antenna.
> > I think I have narrowed it down to:
> > Hy-Gain V-6R
> > Diamond DP-GH62
>
> > Has anyone ever used these two antennas and if so wich are the best in
> > radiation, gain, and quality.
>
> I've been through a couple of GH62 antennas.
> They offer great gain, but are easily destroyed by wind.
>
>




From 8024731885467711981
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ffe61ff715dde32d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,ffe61ff715dde32d
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,ffe61ff715dde32d
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,ffe61ff715dde32d
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 2002-04-17 19:32:31 PST
From: "Don" <hgtsrecycling@juno.com>
Newsgroups: rec.radio.amateur.dx,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur.misc
References: <3CB910C1.771EF34E@pacbell.net>
Subject: Re: Win a Complete Amateur Radio Station?
Date: Wed, 17 Apr 2002 22:32:28 -0400
Lines: 233
MIME-Version: 1.0
Content-Type: multipart/alternative;
     boundary="----=_NextPart_000_0025_01C1E65F.C1B91B60"
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Message-ID: <3cbe2d32$1_8@news.teranews.com>
X-Abuse-Report: Send abuse reports to abuse@teranews.com
Organization: http://www.TeraNews.com - FREE NNTP Access
```

Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!hub1.nntpserver.com!news.teranews.com
Xref: archiver1.google.com rec.radio.amateur.dx:6181 alt.ham-radio.hf:2032
rec.radio.amateur.misc:28052

This is a multi-part message in MIME format.

------=_NextPart_000_0025_01C1E65F.C1B91B60
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Sounds great!! But I don't think the airline would allow me the privlege =
of a "carry on tower", so i'll have to pass.

Herb Rosenberg <kg6ok@pacbell.net> wrote in message =
news:3CB910C1.771EF34E@pacbell.net...
How would you like to win a Complete Amateur Radio Station?=20
Interested? Well, if you come to the International DX Convention in =
Visalia, CA on Friday - Sunday, April 26-28, 2002, and you buy enough =
raffle tickets, and you are very very lucky.....=20

You could walk out with all of this....... (a complete custom dream =
station, and more.....)=20

For a HF radio,=20
How about an ICOM 706MKII, Alinco DX77, Kenwood TS2000, and Yaesu =
FT1000MP Mark V HF transceivers?=20

For HF Antennas,=20
How about a Force 12 XR5 Beam, M2 KT36XA Beam, Cushcraft AW3S, Fulid =
Motion SteppIR Dipole, World Radio ZX20 Beam, and Butternut HV2 =
Vertical?=20

For Cabling,=20
How about 125 feet of National Wire & Cable premium rotor and coaxial =
cables?=20

For a Tower,=20
How about a US Tower TX-455 (yes, the whole tower)=20

For a microphone,=20
How about a Heil Goldline Microphone & and Heil Proset Head Set and a =
Limited Edition Astatic D-104 Collector's microphone?=20

For a Key,=20
How about a Bencher BY-1 Keyer and a Idiom Press LogiKey Iambic Keyer=20

For Station Accessories,=20
How about a AOR Multi terminal PSK, RTTY, decoder, Daiwa Watt Meters, =
a HAL DPX38 RTTY Demodulator, ClearSpeech speakers, DXer Dream Clocks, =
and Coffee Mugs?=20

Oh, yeah, and don't forget about,=20
AEA HF Antenna Analyser, Astron RS35m power supplies, W2IHY 8 Band =
Audio Equalizer, SGC Stealth Antenna System, and a complete Polyphaser =
Grounding System?=20

And of course, for all of these radios and antennas, you will need,=20
Top Ten Devices, International Radio Filters, and Array Solutions =
antenna switches,=20

For your Neighbors,=20
How about some low pass filters, phone filters, and ear muffs?=20

For your YL and / or XYL, you will have to have,=20
Wild Women Pins and collectibles=20

For Miscellaneous Stuff, that no shack is complete without,=20
How about a few thousand pre-printed deluxe QSL cards, Collector item =
ARRL Operating Manual, Collector Item ARRL Antenna Book, and a wide =
assortment of other books, cd's, and publications?=20

For Callbooks,=20
How about your choice of CDROM Callbooks from Buckmaster and Radio =
Amateur Callbooks?=20

For Logging and Contesting,=20
How about logging and contest software from DX4WIN, Writelog, NA, EQF =
Software, LOGic 5, MiLog, and others?=20

For HF Mobile Operating,=20
How about mobile antenna products from HI-Q Antennas, K6MB, W6AAQ, =
KJ7U, and others?=20

How about deep deep discount certificates on the purchase of ACOM, =
ALPHA, and Henry Radio Amplifiers & Tri-ex towers?=20

For your Reading Pleasure,=20
How about a life time subscription to World Radio Magazine, and 1 year =
subscriptions to CQ Magazine, Popular Communications, DX Magazine, QRZ =
DX, Daily DX, Weekly DX, Low Band Monitor, RTY Journal, and the K1BV =
Awards Directories?=20

For VHF / UHF,=20
How about some VHF / UHF / FRS handheld radios?=20

For Gift Certificates,=20
How about gift certificates to Amateur Electronic Supply - Las Vegas, =
The Wireman, Idiom Press, Peter Dahl Co, and Elecraft?=20

Interested? Well, come to the International DX Convention, and you =
may just walk out with all of this stuff, and more.=20

For details, check our web site at:=20

```
  http://www.qsl.net/visalia2002/=20

  =20


------=_NextPart_000_0025_01C1E65F.C1B91B60
Content-Type: text/html;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

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<META content=3D"MSHTML 5.00.2614.3500" name=3DGENERATOR>
<STYLE></STYLE>
</HEAD>
<BODY bgColor=3D#ffffff>
<DIV><FONT face=3DArial size=3D2>Sounds great!! But I don't think the =
airline would=20
allow me the privlege of a "carry on tower", so i'll have to =
pass.</FONT></DIV>
<DIV>&nbsp;</DIV>
<DIV>&nbsp;</DIV>
<BLOCKQUOTE=20
style=3D"BORDER-LEFT: #000000 2px solid; MARGIN-LEFT: 5px; MARGIN-RIGHT: =
0px; PADDING-LEFT: 5px; PADDING-RIGHT: 0px">
  <DIV>Herb Rosenberg &lt;<A=20
  href=3D"mailto:kg6ok@pacbell.net">kg6ok@pacbell.net</A>&gt; wrote in =
message <A=20
  =
href=3D"news:3CB910C1.771EF34E@pacbell.net">news:3CB910C1.771EF34E@pacbel=
l.net</A>...</DIV><B><FONT=20
  size=3D+1>How would you like to win a Complete Amateur Radio =
Station?</FONT></B>=20

  <P><B><I>Interested?&nbsp; Well, if you come to the International DX=20
  Convention in Visalia, CA on Friday - Sunday, April 26-28, 2002, and =
you buy=20
  enough raffle tickets, and you are very very lucky.....</I></B>=20
  <P><B><I>You could walk out with all of this.......&nbsp; (a complete =
custom=20
  dream station, and more..... )</I></B>=20
  <P><B>For a HF radio,</B> <BR>How about an ICOM 706MKII, Alinco DX77, =
Kenwood=20
  TS2000, and Yaesu FT1000MP Mark V HF transceivers?=20
  <P><B>For HF Antennas,</B> <BR>How about a Force 12 XR5 Beam, M2 =
KT36XA Beam,=20
  Cushcraft AW3S, Fulid Motion SteppIR Dipole, World Radio ZX20 Beam, =
and=20
  Butternut HV2 Vertical?=20
  <P><B>For Cabling,</B> <BR>How about 125 feet of National Wire &amp; =
Cable=20
  premium rotor and coaxial cables?=20
  <P><B>For a Tower,</B> <BR>How about a US Tower TX-455 (yes, the whole =
tower)=20
  <P><B>For a microphone,</B> <BR>How about a Heil Goldline Microphone =
&amp; and=20
  Heil Proset Head Set and a Limited Edition Astatic D-104 Collector's=20
  microphone?=20
  <P><B>For a Key,</B> <BR>How about a Bencher BY-1 Keyer and a Idiom =
Press=20
  LogiKey Iambic Keyer=20
  <P><B>For Station Accessories,</B> <BR>How about a AOR Multi terminal =
PSK,=20
  RTTY, decoder, Daiwa Watt Meters, a HAL DPX38 RTTY Demodulator, =
ClearSpeech=20
  speakers, DXer Dream Clocks, and Coffee Mugs?=20
  <P><B>Oh, yeah, and don't forget about,</B> <BR>AEA HF Antenna =
Analyser,=20
  Astron RS35m power supplies, W2IHY 8 Band Audio Equalizer, SGC Stealth =
Antenna=20
  System, and a complete Polyphaser Grounding System?=20
  <P><B>And of course, for all of these radios and antennas, you will =
need,</B>=20
  <BR>Top Ten Devices, International Radio Filters, and Array Solutions =
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  switches,=20
  <P><B>For your Neighbors,</B> <BR>How about some low pass filters, =
phone=20
  filters, and ear muffs?=20
  <P><B>For your YL and / or XYL, you will have to have,</B> <BR>Wild =
Women Pins=20
  and collectibles=20
  <P><B>For Miscellaneous Stuff, that no shack is complete without,</B> =
<BR>How=20
  about a few thousand pre-printed deluxe QSL cards, Collector item ARRL =

  Operating Manual, Collector Item ARRL Antenna Book, and a wide =
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  other books, cd's, and publications?=20
  <P><B>For Callbooks,</B> <BR>How about your choice of CDROM Callbooks =
from=20
  Buckmaster and Radio Amateur Callbooks?=20
  <P><B>For Logging and Contesting,</B> <BR>How about logging and =
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  software from DX4WIN, Writelog, NA, EQF Software, LOGic 5, MiLog, and =
others?=20
  <P><B>For HF Mobile Operating,</B> <BR>How about mobile antenna =
products from=20
  HI-Q Antennas, K6MB, W6AAQ, KJ7U, and others?=20
  <P>How about deep deep discount certificates on the purchase of ACOM, =
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  and Henry Radio Amplifiers &amp; Tri-ex towers?=20
  <P><B>For your Reading Pleasure,</B> <BR>How about a life time =
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  World Radio Magazine, and 1 year subscriptions to CQ Magazine, Popular =

  Communications, DX Magazine, QRZ DX, Daily DX, Weekly DX, Low Band =
Monitor,=20
  RTY Journal,&nbsp; and the K1BV Awards Directories?=20
  <P><B>For VHF / UHF,</B> <BR>How about some VHF / UHF / FRS handheld =
radios?=20
  <P><B>For Gift Certificates,</B> <BR>How about gift certificates to =
Amateur=20
  Electronic Supply - Las Vegas, The Wireman, Idiom Press, Peter Dahl =
Co, and=20
  Elecraft?=20
  <P><B><FONT size=3D+1>Interested?&nbsp; Well, come to the =
International DX=20
  Convention, and you may just walk out with all of this stuff, and=20
  more.</FONT></B>=20
  <P><B><FONT size=3D+1>For details, check our web site at:</FONT></B>=20
  <P><A=20
  =
href=3D"http://www.qsl.net/visalia2002/">http://www.qsl.net/visalia2002/<=
/A>=20
  <P> </P></BLOCKQUOTE></BODY></HTML>

------=_NextPart_000_0025_01C1E65F.C1B91B60--




From 5034086475804484755
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,476949f6fd7c5300,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: ffa74,476949f6fd7c5300,start
X-Google-Attributes: gidffa74,public
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X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f55c2,476949f6fd7c5300,start
X-Google-Attributes: gidf55c2,public
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X-Google-Thread: 107ada,476949f6fd7c5300,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,476949f6fd7c5300,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,476949f6fd7c5300,start
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2002-04-18 23:34:58 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
peer.news.opaltelecom.net!lon1-news.nildram.net!newsfeed.freenet.de!news-
lei1.dfn.de!news-fra1.dfn.de!newsfeed.hanau.net!fr.clara.net!
heighliner.fr.clara.net!telocity-west!TELOCITY!hub1.nntpserver.com!xmission!news-
hog.berkeley.edu!ucberkeley!enews.sgi.com!iafrica.com!news.adamastor.ac.za!not-
for-mail
```

From: Tony Baard <TONYB@ITS.uct.ac.za>
Newsgroups: alt.ham-radio,alt.ham-radio.mods,alt.radio.amateur,aus.radio.amateur,free.uk.amateur.radio,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,uk.radio.amateur
Subject: Help - No UHF Tx for Icom IC-2710H dualband mobile
Date: Fri, 19 Apr 2002 08:33:47 +0200
Organization: University of Cape Town
Lines: 16
Message-ID: <3CBFBA4B.85CC16AA@ITS.uct.ac.za>
Reply-To: TONYB@ITS.uct.ac.za
NNTP-Posting-Host: tonyb2.its.uct.ac.za
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: news.adamastor.ac.za 1019198074 87359 137.158.27.154 (19 Apr 2002 06:34:34 GMT)
X-Complaints-To: abuse@uct.ac.za
NNTP-Posting-Date: 19 Apr 2002 06:34:34 GMT
X-Mailer: Mozilla 4.75 [en] (Win98; U)
X-Accept-Language: en
Xref: archiver1.google.com alt.ham-radio.mods:1573 rec.radio.amateur:3497 rec.radio.amateur.misc:28087 uk.radio.amateur:58641

Hi there and thanks for reading this!

I am looking for some help in solving the following problem on an Icom IC-2710H dualband mobile radio;

The radio will only TX on VHF. The UHF frequencies can be dialled up but that band cannot be selected as the main band and hence no Tx. When coupling another IC-2710H control head to the radio, the UHF band can be selected as the main band, so I suspect something has been done to the other's control unit. I have tried a CPU reset to no avail.

Any ideas as to how I can fix this??

Thanks in advance!

Regards.

From 3109757450434031893
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,476949f6fd7c5300
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,476949f6fd7c5300
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,476949f6fd7c5300
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,476949f6fd7c5300
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,476949f6fd7c5300
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X-Google-Thread: 10eac9,476949f6fd7c5300
X-Google-Attributes: gid10eac9,public
X-Google-Thread: ffa74,476949f6fd7c5300
X-Google-Attributes: gidffa74,public
X-Google-Thread: f55c2,476949f6fd7c5300
X-Google-Attributes: gidf55c2,public
X-Google-ArrivalTime: 2002-04-19 06:25:46 PST
From: "Don" <hgtsrecycling@juno.com>
Newsgroups: alt.ham-radio,alt.ham-radio.mods,alt.radio.amateur,aus.radio.amateur,free.uk.amateur.radio,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,uk.radio.amateur
References: <3CBFBA4B.85CC16AA@ITS.uct.ac.za>
Subject: Re: Help - No UHF Tx for Icom IC-2710H dualband mobile
Date: Fri, 19 Apr 2002 09:25:23 -0400
Lines: 25
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Message-ID: <3cc017a6_1@news.nntpserver.com>
Organization: http://www.TeraNews.com - FREE NNTP Access
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
peer.news.opaltelecom.net!iad-peer.news.verio.net!news.verio.net!
news.maxwell.syr.edu!hub1.nntpserver.com!news.teranews.com
Xref: archiver1.google.com alt.ham-radio.mods:1574 rec.radio.amateur:3498
rec.radio.amateur.misc:28094 uk.radio.amateur:58679

A possibility is the band switch button has gone bad??

That would be the only thing I can think of.
Don

Tony Baard <TONYB@ITS.uct.ac.za> wrote in message
news:3CBFBA4B.85CC16AA@ITS.uct.ac.za...
> Hi there and thanks for reading this!
>
> I am looking for some help in solving the following problem on an Icom
> IC-2710H dualband mobile radio;
>
> The radio will only TX on VHF. The UHF frequencies can be dialled up but
> that band cannot be selected as the main band and hence no Tx. When
> coupling another IC-2710H control head to the radio, the UHF band can be
> selected as the main band, so I suspect something has been done to the
> other's control unit. I have tried a CPU reset to no avail.
>
> Any ideas as to how I can fix this??
>
> Thanks in advance!
>
> Regards.

From -266232640871627764
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9ec683b299b7563b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,9ec683b299b7563b,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,9ec683b299b7563b,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-04-27 06:00:07 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-03!supernews.com!
peer1-sjc1.usenetserver.com!usenetserver.com!newsfeed1.cidera.com!Cidera!
cyclone.tampabay.rr.com!news-post.tampabay.rr.com!typhoon.tampabay.rr.com.POSTED!
not-for-mail
From: "Ku3o" <gperk@tampabay.rr.com>
Newsgroups: alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur
Subject: Kenwood TS-2000 vs TS-870S
Lines: 26
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <27xy8.325584$K52.52401243@typhoon.tampabay.rr.com>
Date: Sat, 27 Apr 2002 12:49:02 GMT
NNTP-Posting-Host: 65.32.38.222
X-Complaints-To: abuse@rr.com
X-Trace: typhoon.tampabay.rr.com 1019911742 65.32.38.222 (Sat, 27 Apr 2002
08:49:02 EDT)
NNTP-Posting-Date: Sat, 27 Apr 2002 08:49:02 EDT
Organization: RoadRunner - TampaBay
Xref: archiver1.google.com alt.ham-radio.hf:2071 rec.radio.amateur:3537

Folks,

I am trying to decide between a TS-2000 and TS-870S.
The 2000 seems to have more options/bands/bells/whistles,
but the 870 has the higher price tag? It appears there is more in
the 2000 so why is it so much less expensive than the
870? What feature set in the 870 demands the higher
price tag? I thought both rigs had similar DSP functionality
The 2000 appears to have many more bells/whistles...

Am I going to be sacrificing receiver performance
for bells/whistles if I go 2000...

Just trying to figure out the price difference...

Im seeing the 2000 for ~$1800 street and the 870
for ~$2300.

Thanks for your comments...
Ku3o

```
From 3411712986231200349
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b9b355a92a309724,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,b9b355a92a309724,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa656,b9b355a92a309724,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,b9b355a92a309724,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,b9b355a92a309724,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-04-29 08:14:24 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
peer.news.opaltelecom.net!lon1-news.nildram.net!news-spur1.maxwell.syr.edu!
news.maxwell.syr.edu!hub1.nntpserver.com!peer1-sjc1.usenetserver.com!
usenetserver.com!news03.bloor.is.net.cable.rogers.com!
news02.bloor.is.net.cable.rogers.com.POSTED!12dc6cf53ab2750!not-for-mail
Reply-To: "Norm" <CatchMe@Cheers.com>
From: "Norm" <CatchMe@Cheers.com>
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur
Subject: Repeater Freq's for Renfrew County????
Lines: 13
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <hrdz8.42248$Il1.8268@news02.bloor.is.net.cable.rogers.com>
Date: Mon, 29 Apr 2002 15:14:21 GMT
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X-Complaints-To: abuse@rogers.com
X-Trace: news02.bloor.is.net.cable.rogers.com 1020093261 24.42.207.208 (Mon, 29
Apr 2002 11:14:21 EDT)
NNTP-Posting-Date: Mon, 29 Apr 2002 11:14:21 EDT
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:9289 rec.radio.amateur:3546
```

Anyone have any idea what they are?

http://ca.groups.yahoo.com/group/ScanRenfrewCounty/

Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.351 / Virus Database: 197 - Release Date: 4/19/2002

```
From -8287776742500468794
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,536f3397d29d2fad,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,536f3397d29d2fad,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa656,536f3397d29d2fad,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fa029,536f3397d29d2fad,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 108778,536f3397d29d2fad,start
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2002-05-09 13:15:25 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed1.cidera.com!Cidera!peer1-
sjc1.usenetserver.com!usenetserver.com!news03.bloor.is.net.cable.rogers.com!
news01.bloor.is.net.cable.rogers.com.POSTED!12dc6cf53ab2750!not-for-mail
Reply-To: "Norm" <CatchMe@Cheers.com>
From: "Norm" <CatchMe@Cheers.com>
Newsgroups: alt.radio.amateur,alt.radio.scanner,rec.ham-
radio,rec.radio.amateur,rec.radio.scanner
Subject: Monitoring Times Website
Lines: 13
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <tNAC8.27883$GLp1.9998@news01.bloor.is.net.cable.rogers.com>
Date: Thu, 09 May 2002 20:15:21 GMT
NNTP-Posting-Host: 24.42.207.208
X-Complaints-To: abuse@rogers.com
X-Trace: news01.bloor.is.net.cable.rogers.com 1020975321 24.42.207.208 (Thu, 09
May 2002 16:15:21 EDT)
NNTP-Posting-Date: Thu, 09 May 2002 16:15:21 EDT
Xref: archiver1.google.com alt.radio.scanner:25704 rec.radio.amateur:3585
rec.radio.scanner:35142
```

Anyone have any idea as to why it hasn't been updated in months.

It's too bad, it's a good site.

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).

Version: 6.0.360 / Virus Database: 199 - Release Date: 5/7/2002

```
From 3057678088853332951
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,536f3397d29d2fad
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,536f3397d29d2fad
X-Google-Attributes: gid108778,public
X-Google-Thread: 1009ad,536f3397d29d2fad
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,536f3397d29d2fad
X-Google-Attributes: gidfa029,public
X-Google-Thread: fa656,536f3397d29d2fad
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-05-09 15:07:54 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed1.cidera.com!Cidera!
cyclone1.gnilink.net!wn3feed!wn4feed!worldnet.att.net!204.127.198.203!attbi_feed3!
attbi.com!rwcrnsc54.POSTED!not-for-mail
Message-ID: <3CDAF356.B89350CE@ffurter.com>
From: Frank Furter <ffurter@ffurter.com>
Organization: Only a supreme being could create something as complex and amazing
as a
 god.
X-Mailer: Mozilla 4.72 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.radio.amateur,alt.radio.scanner,rec.ham-
radio,rec.radio.amateur,rec.radio.scanner
Subject: Re: Monitoring Times Website
References: <tNAC8.27883$GLp1.9998@news01.bloor.is.net.cable.rogers.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 14
NNTP-Posting-Host: 12.248.244.222
X-Complaints-To: abuse@attbi.com
X-Trace: rwcrnsc54 1020982073 12.248.244.222 (Thu, 09 May 2002 22:07:53 GMT)
NNTP-Posting-Date: Thu, 09 May 2002 22:07:53 GMT
Date: Thu, 09 May 2002 22:07:53 GMT
Xref: archiver1.google.com alt.radio.scanner:25712 rec.radio.amateur:3587
rec.radio.scanner:35151
```

Norm wrote:

> Anyone have any idea as to why it hasn't been updated in months.
>
> It's too bad, it's a good site.

A site that has not been updated in months is good?

Why not send a message to them via whatever email address they list on
the site and tell them?
It's too bad, your such a smart person.

```
From 7147846009204269929
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,536f3397d29d2fad
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,536f3397d29d2fad
X-Google-Attributes: gid108778,public
X-Google-Thread: fa029,536f3397d29d2fad
X-Google-Attributes: gidfa029,public
X-Google-Thread: fa656,536f3397d29d2fad
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1009ad,536f3397d29d2fad
X-Google-Attributes: gid1009ad,public
X-Google-ArrivalTime: 2002-05-09 15:26:07 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
canoe.uoregon.edu!logbridge.uoregon.edu!news.maxwell.syr.edu!newsfeed1.cidera.com!
Cidera!peer1-sjc1.usenetserver.com!usenetserver.com!
news03.bloor.is.net.cable.rogers.com!news01.bloor.is.net.cable.rogers.com.POSTED!
12dc6cf53ab2750!not-for-mail
Reply-To: "Norm" <CatchMe@Cheers.com>
From: "Norm" <CatchMe@Cheers.com>
Newsgroups: alt.radio.amateur,alt.radio.scanner,rec.ham-
radio,rec.radio.amateur,rec.radio.scanner
References: <tNAC8.27883$GLp1.9998@news01.bloor.is.net.cable.rogers.com>
<3CDAF356.B89350CE@ffurter.com>
Subject: Re: Monitoring Times Website
Lines: 28
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <2ICC8.28454$GLp1.17972@news01.bloor.is.net.cable.rogers.com>
Date: Thu, 09 May 2002 22:26:06 GMT
NNTP-Posting-Host: 24.42.207.208
X-Complaints-To: abuse@rogers.com
X-Trace: news01.bloor.is.net.cable.rogers.com 1020983166 24.42.207.208 (Thu, 09
May 2002 18:26:06 EDT)
NNTP-Posting-Date: Thu, 09 May 2002 18:26:06 EDT
Xref: archiver1.google.com alt.radio.scanner:25714 rec.radio.amateur:3588
rec.radio.scanner:35154
```

I did that already. There was no reply.

:(

"Frank Furter" <ffurter@ffurter.com> wrote in message

```
news:3CDAF356.B89350CE@ffurter.com...
> Norm wrote:
>
> > Anyone have any idea as to why it hasn't been updated in months.
> >
> > It's too bad, it's a good site.
>
> A site that has not been updated in months is good?
>
> Why not send a message to them via whatever email address they list on
> the site and tell them?
> It's too bad, your such a smart person.
>
>
>



---
Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.361 / Virus Database: 199 - Release Date: 5/7/2002





From -1276836335000797664
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,536f3397d29d2fad
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,536f3397d29d2fad
X-Google-Attributes: gid108778,public
X-Google-Thread: 1009ad,536f3397d29d2fad
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,536f3397d29d2fad
X-Google-Attributes: gidfa029,public
X-Google-Thread: fa656,536f3397d29d2fad
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-05-09 18:45:02 PST
Message-ID: <3CDB255C.CE3C3262@sympatico.ca>
From: Dave Holford <holford@sympatico.ca>
X-Mailer: Mozilla 4.7 [en] (Win95; I)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.radio.amateur,alt.radio.scanner,rec.ham-
radio,rec.radio.amateur,rec.radio.scanner
Subject: Re: Monitoring Times Website
References: <tNAC8.27883$GLp1.9998@news01.bloor.is.net.cable.rogers.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 20
Date: Thu, 09 May 2002 21:41:48 -0400
NNTP-Posting-Host: 216.209.139.145
X-Complaints-To: abuse@sympatico.ca
```

```
X-Trace: news20.bellglobal.com 1020994880 216.209.139.145 (Thu, 09 May 2002
21:41:20 EDT)
NNTP-Posting-Date: Thu, 09 May 2002 21:41:20 EDT
Organization: Bell Sympatico
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!sunqbc.risq.qc.ca!torn!webster!
nf1.bellglobal.com!nf2.bellglobal.com!news20.bellglobal.com.POSTED!not-for-mail
Xref: archiver1.google.com alt.radio.scanner:25723 rec.radio.amateur:3590
rec.radio.scanner:35182
```

Maybe I'm missing something but it has the May and June issue index, the airshow page has the fact that the Ottawa, Canada show is in doubt due to the cost of insurance (this was only announced a couple of weeks ago).

Just what is it that is out-of-date?

Dave

Norm wrote:

>
> Anyone have any idea as to why it hasn't been updated in months.
>
> It's too bad, it's a good site.
>
> ---
> Outgoing mail is certified Virus Free.
> Checked by AVG anti-virus system (http://www.grisoft.com).
> Version: 6.0.360 / Virus Database: 199 - Release Date: 5/7/2002

```
From -4691196173344622190
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,536f3397d29d2fad
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,536f3397d29d2fad
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1009ad,536f3397d29d2fad
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,536f3397d29d2fad
X-Google-Attributes: gidfa029,public
X-Google-Thread: 108778,536f3397d29d2fad
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2002-05-09 19:04:00 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!cyclone.bc.net!
newsfeed.telusplanet.net!peer1-sjc1.usenetserver.com!usenetserver.com!
news03.bloor.is.net.cable.rogers.com!news01.bloor.is.net.cable.rogers.com.POSTED!
12dc6cf53ab2750!not-for-mail
Reply-To: "Norm" <CatchMe@Cheers.com>
From: "Norm" <CatchMe@Cheers.com>
Newsgroups: alt.radio.amateur,alt.radio.scanner,rec.ham-
radio,rec.radio.amateur,rec.radio.scanner
```

```
References: <tNAC8.27883$GLp1.9998@news01.bloor.is.net.cable.rogers.com>
<3CDB255C.CE3C3262@sympatico.ca> <8p9mducusj2eklsog4pta7bngmc9bb371o@4ax.com>
Subject: Re: Monitoring Times Website
Lines: 22
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <iUFC8.28944$GLp1.19211@news01.bloor.is.net.cable.rogers.com>
Date: Fri, 10 May 2002 02:03:58 GMT
NNTP-Posting-Host: 24.42.207.208
X-Complaints-To: abuse@rogers.com
X-Trace: news01.bloor.is.net.cable.rogers.com 1020996238 24.42.207.208 (Thu, 09
May 2002 22:03:58 EDT)
NNTP-Posting-Date: Thu, 09 May 2002 22:03:58 EDT
Xref: archiver1.google.com alt.radio.scanner:25725 rec.radio.amateur:3592
rec.radio.scanner:35184

It must have just been updated.  Because I've been checking it regularly,
and it hadn't been updated.  I now look and see that it is.

Case closed.


"SB" <StogieButt@ameritech.net> wrote in message
news:8p9mducusj2eklsog4pta7bngmc9bb371o@4ax.com...
> "Dave Holford" wrote:
>
> >Just what is it that is out-of-date?
>
> Maybe - JUST maybe - that the current issue link takes you to LAST
> NOVEMBER??



---
Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.361 / Virus Database: 199 - Release Date: 5/7/2002





From -343813455416355075
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,536f3397d29d2fad
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,536f3397d29d2fad
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 108778,536f3397d29d2fad
X-Google-Attributes: gid108778,public
X-Google-Thread: fa029,536f3397d29d2fad
X-Google-Attributes: gidfa029,public
X-Google-Thread: fa656,536f3397d29d2fad
```

X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-05-09 19:11:14 PST
Message-ID: <3CDB2BF3.B3FBC1B5@sympatico.ca>
From: Dave Holford <holford@sympatico.ca>
X-Mailer: Mozilla 4.7 [en] (Win95; I)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.radio.amateur,alt.radio.scanner,rec.ham-radio,rec.radio.amateur,rec.radio.scanner
Subject: Re: Monitoring Times Website
References: <tNAC8.27883$GLp1.9998@news01.bloor.is.net.cable.rogers.com> <3CDB255C.CE3C3262@sympatico.ca> <8p9mducusj2eklsog4pta7bngmc9bb371o@4ax.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 15
Date: Thu, 09 May 2002 22:09:55 -0400
NNTP-Posting-Host: 216.209.139.145
X-Complaints-To: abuse@sympatico.ca
X-Trace: news20.bellglobal.com 1020996567 216.209.139.145 (Thu, 09 May 2002 22:09:27 EDT)
NNTP-Posting-Date: Thu, 09 May 2002 22:09:27 EDT
Organization: Bell Sympatico
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!sunqbc.risq.qc.ca!torn!webster!nf1.bellglobal.com!nf2.bellglobal.com!news20.bellglobal.com.POSTED!not-for-mail
Xref: archiver1.google.com alt.radio.scanner:25726 rec.radio.amateur:3593 rec.radio.scanner:35185

I don't know what site you are looking at but the Monitoring Times website current issue is May 2002. I just checked it.

Are you looking at http://www.monitoringtimes.com/ or some other place?

Dave

SB wrote:
>
> "Dave Holford" wrote:
>
> >Just what is it that is out-of-date?
>
> Maybe - JUST maybe - that the current issue link takes you to LAST
> NOVEMBER??

From 1827525650756609810
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,536f3397d29d2fad
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,536f3397d29d2fad
X-Google-Attributes: gid108778,public
X-Google-Thread: fa029,536f3397d29d2fad
X-Google-Attributes: gidfa029,public

X-Google-Thread: 1009ad,536f3397d29d2fad
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa656,536f3397d29d2fad
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-05-09 19:16:04 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news.uchicago.edu!yellow.newsread.com!bad-news.newsread.com!netaxs.com!newsread.com!newsfeed2.earthlink.net!newsfeed.earthlink.net!stamper.news.pas.earthlink.net!newsread1.prod.itd.earthlink.net.POSTED!c690eae2!not-for-mail
Message-ID: <3CDB2D64.A5AB42E5@morisseau.org>
From: Dan Morisseau <dpm3@morisseau.org>
Organization: GWP, Inc
X-Mailer: Mozilla 4.73 [en] (Win98; I)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.radio.amateur,alt.radio.scanner,rec.ham-radio,rec.radio.amateur,rec.radio.scanner
Subject: Re: Monitoring Times Website
References: <tNAC8.27883$GLp1.9998@news01.bloor.is.net.cable.rogers.com> <3CDAF356.B89350CE@ffurter.com>
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit
Lines: 17
Date: Fri, 10 May 2002 02:16:03 GMT
NNTP-Posting-Host: 24.217.44.56
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread1.prod.itd.earthlink.net 1020996963 24.217.44.56 (Thu, 09 May 2002 19:16:03 PDT)
NNTP-Posting-Date: Thu, 09 May 2002 19:16:03 PDT
Xref: archiver1.google.com alt.radio.scanner:25727 rec.radio.amateur:3594 rec.radio.scanner:35186

Frank Furter wrote:

> It's too bad, your such a smart person.

And what about you? Learn to spell.

--
Dan Morisseau, N7ZXL - N 38�34'53", W 90�22'32", 680'
On the sunrise side of Mo-Pac's famous Kirkwood Hill!
Watkins Johnson HF-1000: 60' Random Wire & Palomar Loop
ICOM R-7000/Optocom: Discone
"When the going gets rough, the tough go cyclic!"

From 7734830850289509381

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5c65d033943ed28f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,5c65d033943ed28f,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,5c65d033943ed28f,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,5c65d033943ed28f,start
X-Google-Attributes: gid108778,public
X-Google-Thread: fa029,5c65d033943ed28f,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1009ad,5c65d033943ed28f,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa656,5c65d033943ed28f,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-05-09 21:26:16 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-03!supernews.com!peer1-sjc1.usenetserver.com!usenetserver.com!news03.bloor.is.net.cable.rogers.com!news01.bloor.is.net.cable.rogers.com.POSTED!12dc6cf53ab2750!not-for-mail
Reply-To: "Ontario Scanner" <ScanningInOntario@TheScannerShack.com>
From: "Ontario Scanner" <ScanningInOntario@TheScannerShack.com>
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,alt.radio.amateur,alt.radio.scanner,rec.ham-radio,rec.radio.amateur,rec.radio.scanner
Subject: FA: Back Issues of Monitoring Times & Popular Communictions
Lines: 74
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <GZHC8.29656$GLp1.9529@news01.bloor.is.net.cable.rogers.com>
Date: Fri, 10 May 2002 04:26:14 GMT
NNTP-Posting-Host: 24.42.207.208
X-Complaints-To: abuse@rogers.com
X-Trace: news01.bloor.is.net.cable.rogers.com 1021004774 24.42.207.208 (Fri, 10 May 2002 00:26:14 EDT)
NNTP-Posting-Date: Fri, 10 May 2002 00:26:14 EDT
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:9460 alt.radio.scanner:25737 rec.radio.amateur:3596 rec.radio.scanner:35196

http://page.auctions.shopping.yahoo.com/ca/auction/65850518

Popular Communications

Issue	Year	Cover Title
Sept.	1995	New Cordless Phones Offers More Freq's
Oct.	1996	The ACARS Downlink
Nov.	1996	Scanner Buffs- Stand Up For Listening Rights
Dec.	1996	Find Out What's New In Broadcast DX'ing
Feb.	1997	Action-Packed Scanning on 800 MHz: Scanning Trunked Systems
Mar.	1997	Scanning the Skies - Are We Alone?
Apr.	1997	Satellite Digital Audio - A Step Closer To Reality
Feb.	1998	The X Files - Broadcast DXing Explorers The X Band

Mar. 1998 Successful Searching: Finding Elusive Scanner Frequencies
Apr. 1998 Super-Charge Your BCB Radio: Build A Loop Antenna
May 1998 Cruising on CB Channel 9 - More Than Emergencies
June. 1998 Space Shuttle Comms You Can Hear
July 1998 Here Comes Low Power FM Broadcasting!
Aug. 1998 Cool QSLing Tips Guaranteed To Fill your Mailbox!
Sept. 1998 Military Scanning - Frequencies, Tips, Photos, And More!
Oct. 1998 Global Military Radio Comms You Can Hear!
Nov. 1998 Meteor Shower Monitoring: Where, When, And How To Hear Super DX!
Jan. 1999 Women Behind The Microphone: Saluting Raido's Pioneers
Feb. 1999 Snagging Satellite Signals On Your Scanner
March 1999 Scanning Auckland, New Zealand "The City of Sails"
Apr. 1999 AT&T High Seas SSB Stations Going Off The Air
June 1999 Life And Death Comms: Expert Tips That Give YOU The Edge!
Sept. 1999 Solar Power For The Millenium
Dec. 1999 Beyond 2000: A Look At Scanning In The Next Millenium
Jan. 2000 World In Crisis: Dropping In On The Planet's Trouble Spots With Your Shortwave Radio!
May 2000 Airborne Action: The Sky's The Limit On What You Can Hear!
Mar. 2001 Listening To Vietnam
May 2001 Bell Is Back: Nightly Search For The Truth Contiues

Monitoring Times

Issue Year Cover Title

Feb. 1995 Scanning The Traffic Reporters
Jan. 1996 The Subtle Art of Elmering
Apr. 1997 Take Your Scanner To The Racetrack!
June. 1997 Lightning! The Global Radio Network
Nov. 1997 Deutsche Welle's Digital Debut
May 1998 Inside the House of the Blues
June 1998 Cruisin' with the Radio
July 1998 Tune In "Emergency Communications"
Aug. 1998 Summertime - and the Listening is Easy
Sept. 1998 Back To The Dials - It's Shortwave Season
Oct. 1998 Unlocking The Mystery of Shortwave Radio
Jan. 1999 It's Only A Matter of Time!
Feb. 1999 Reach For The Sky! Solar cycles and the behaviour of radio waves
Mar. 1999 The Monitor's Guide To Aerial Refueling
May 1999 Spotlight on the FCC
Oct. 1999 Seasonal Skip - Tune in the forgotten low band
Nov. 1999 Homing in on Beacons
Sept. 2000 Voices from The Far East
Feb. 2001 Eyes and Ears on the Weather
Apr. 2001 My Favourite Scanning: MILCOM
Sept. 2001 Listening in on the Middle East
Oct. 2001 QSLing the World
Nov. 2001 9-11 Disaster Communication *WTC:Infamy Revisited* *Washington Uner Attack*
Dec. 2001 2002 Olympics High-Flying Frequencies
Feb. 2002 Who's WHO In Medium Wave

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.361 / Virus Database: 199 - Release Date: 5/8/2002

From -1629279124911661789
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,536f3397d29d2fad
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,536f3397d29d2fad
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 108778,536f3397d29d2fad
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,536f3397d29d2fad
X-Google-Attributes: gidfa656,public
X-Google-Thread: fa029,536f3397d29d2fad
X-Google-Attributes: gidfa029,public
X-Google-ArrivalTime: 2002-05-10 05:43:55 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!feed2.news.rcn.net!rcn!wn4feed!worldnet.att.net!204.127.198.203!attbi_feed3!attbi.com!sccrnsc01.POSTED!not-for-mail
From: Pete Ritter <cpritter@attbi.com>
Subject: Re: Monitoring Times Website
Newsgroups: alt.radio.amateur,alt.radio.scanner,rec.ham-radio,rec.radio.amateur,rec.radio.scanner
Followup-To: alt.radio.amateur
References: <tNAC8.27883$GLp1.9998@news01.bloor.is.net.cable.rogers.com> <gvrlduk4b2a5lj235s6lbh08k7ivgsml6j@4ax.com>
Lines: 18
Organization: Brotherly Order of Odd Bellows (BOOB)
User-Agent: KNode/0.6.1
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7Bit
Message-ID: <egPC8.16692$WR1.6525@sccrnsc01>
NNTP-Posting-Host: 12.237.163.158
X-Complaints-To: abuse@attbi.com
X-Trace: sccrnsc01 1021034634 12.237.163.158 (Fri, 10 May 2002 12:43:54 GMT)
NNTP-Posting-Date: Fri, 10 May 2002 12:43:54 GMT
Date: Fri, 10 May 2002 12:43:54 GMT
Xref: archiver1.google.com alt.radio.scanner:25746 rec.radio.amateur:3597 rec.radio.scanner:35205

SB wrote:

> "Norm" wrote:
>

>>Anyone have any idea as to why it hasn't been updated in months.
>
> Looks as if it's a dead publication. If you look around, you'll find
> a link to Grove Enterprises or whatever it is. THAT site is current,
> but only has a link back to Monitoring Times and no explanation.

The magazine is published by Grove. Why to you think every glowing review
of a product or product announcement is accompanied by a Grove ad for the
same product?

--
*
* This Space For Hire
*

From -5470163685057239918
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,536f3397d29d2fad
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,536f3397d29d2fad
X-Google-Attributes: gid108778,public
X-Google-Thread: fa029,536f3397d29d2fad
X-Google-Attributes: gidfa029,public
X-Google-Thread: fa656,536f3397d29d2fad
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1009ad,536f3397d29d2fad
X-Google-Attributes: gid1009ad,public
X-Google-ArrivalTime: 2002-05-13 19:11:06 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!bloom-beacon.mit.edu!nycmny1-snh1.gtei.net!cpk-news-hub1.bbnplanet.com!news.gtei.net!newscon02.news.prodigy.com!newsmst01.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!newssvr14.news.prodigy.com.POSTED!046ecb25!not-for-mail
Message-ID: <3CE0737B.2050005@sbcglobal.net>
From: johnb <borregoj@sbcglobal.net>
User-Agent: Mozilla/5.0 (Windows; U; Win 9x 4.90; en-US; rv:0.9.4) Gecko/20011128 Netscape6/6.2.1
X-Accept-Language: en-us
MIME-Version: 1.0
Newsgroups: alt.radio.amateur,alt.radio.scanner,rec.ham-radio,rec.radio.amateur,rec.radio.scanner
Subject: Re: Monitoring Times Website
References: <tNAC8.27883$GLp1.9998@news01.bloor.is.net.cable.rogers.com> <3CDB255C.CE3C3262@sympatico.ca> <8p9mducusj2eklsog4pta7bngmc9bb371o@4ax.com> <3CDB2BF3.B3FBC1B5@sympatico.ca> <1cfmdu8uot2j9jmsihvtdd2sntkklivkfj@4ax.com>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
Lines: 21
NNTP-Posting-Host: 63.199.226.48
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr14.news.prodigy.com 1021342213 ST000 63.199.226.48 (Mon, 13 May 2002 22:10:13 EDT)

```
NNTP-Posting-Date: Mon, 13 May 2002 22:10:13 EDT
Organization: Prodigy Internet http://www.prodigy.com
X-UserInfo1:
[[PA@SNEZRRWSTTYARID]_\@VR]^@B@MCPWZKB]MPXHTEPIB_NVUAH_[BL[\IRKIANGGJBFNJF_DOLSCEN
SY^U@FRFUEXR@KFXYDBPWBCDQJA@X_DCBHXR[C@\EOKCJLED_SZ@RMWYXYWE_P@\
\GOIW^@SYFFSWHFIXMADO@^[ADPRPETLBJ]RDGENSKQQZN
Date: Tue, 14 May 2002 02:10:13 GMT
Xref: archiver1.google.com alt.radio.scanner:25862 rec.radio.amateur:3615
rec.radio.scanner:35404

could be a refresh thing....it was pulling from the cashe on your
computer or the network, not from the site.

SB wrote:

> "Dave Holford" wrote:
>
>
>>I don't know what site you are looking at but the Monitoring Times
>>website current issue is May 2002. I just checked it.
>>
>
> WEIRD!
>
> Now it IS updated.
>
> Ameritech has been having some goofy problems with its DNS, but I
> haven't a clue how that would have effected me getting to the proper
> page.
>



From 8730443639085193747
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9ec683b299b7563b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,9ec683b299b7563b
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,9ec683b299b7563b
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-05-15 03:59:22 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-post-01!supernews.com!
corp.supernews.com!not-for-mail
From: "GolFer" <peantsgolfer@hotmail.com>
Newsgroups: alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur
Subject: Re: Kenwood TS-2000 vs TS-870S
Date: Wed, 15 May 2002 05:49:38 -0500
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <ue4fs9rvcg2va1@corp.supernews.com>
References: <27xy8.325584$K52.52401243@typhoon.tampabay.rr.com>
X-Priority: 3
X-MSMail-Priority: Normal
```

```
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
X-Complaints-To: newsabuse@supernews.com
Lines: 32
Xref: archiver1.google.com alt.ham-radio.hf:2140 rec.radio.amateur:3621

I do not know, but I am only guessing.
The TS-2000 in newer, has fewer parts and cost them less to build.
"Ku3o" <gperk@tampabay.rr.com> wrote in message
news:27xy8.325584$K52.52401243@typhoon.tampabay.rr.com...
> Folks,
>
> I am trying to decide between a TS-2000 and TS-870S.
> The 2000 seems to have more options/bands/bells/whistles,
> but the 870 has the higher price tag?  It appears there is more in
> the 2000 so why is it so much less expensive than the
> 870?  What feature set in the 870 demands the higher
> price tag?  I thought both rigs had similar DSP functionality
> The 2000 appears to have many more bells/whistles...
>
> Am I going to be sacrificing receiver performance
> for bells/whistles if I go 2000...
>
> Just trying to figure out the price difference...
>
> Im seeing the 2000 for ~$1800 street and the 870
> for ~$2300.
>
> Thanks for your comments...
> Ku3o
>
>
>
>
>
>




From -1385775739264313710
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9ec683b299b7563b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,9ec683b299b7563b
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9ec683b299b7563b
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2002-05-17 21:38:45 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-01!supernews.com!
207.217.77.43.MISMATCH!newsfeed1.earthlink.net!newsfeed.earthlink.net!
news.maxwell.syr.edu!xmission!news-out.spamkiller.net!propagator2-maxim!
propagator-maxim!news-in.spamkiller.net!feed.newsfeeds.com!feeder.nmix.net!
```

reader.nmix.net!oracle.zianet.com!rdo-dialb-171.zianet.com
From: "Ed Juge/NM" <ed@juge.org>
Newsgroups: alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur
Subject: Re: Kenwood TS-2000 vs TS-870S
Date: Fri, 17 May 2002 22:39:12 -0600
Organization: NMIX
Lines: 54
Message-ID: <3ce5daf0.0@oracle.zianet.com>
References: <27xy8.325584$K52.52401243@typhoon.tampabay.rr.com>
<ue4fs9rvcg2va1@corp.supernews.com>
NNTP-Posting-Host: oracle.zianet.com
X-Trace: reader.nmix.net 1021697738 48579 204.134.124.52 (18 May 2002 04:55:38 GMT)
X-Complaints-To: news@nmix.net
NNTP-Posting-Date: 18 May 2002 04:55:38 GMT
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Xref: archiver1.google.com alt.ham-radio.hf:2147 rec.radio.amateur:3631

I have only played with the radios in a dealer's showroom... not a good place to form important opinions. I was considering a 2000, especially at today's price levels. I thought the 870 receiver played better. The salesman agreed. Then when I read a 2000 review (ARRL?) it left the definite impression that the 2000 does "more stuff" than most other radios, and does most of them adequately... but is not particularly outstanding at any of them. That's pretty much the impression I had, though I'm sure many 2000 owners will take issue with that statement. "Different Strokes...."

When a manufacturer whacks prices like that it tells me one of two things. Either there is a better model on the horizon or the current one isn't selling as they had hoped. Same thing happened to me on the Icom 756PRO. I paid $2,900... now it's going for $1,800. VERY soon after, the PRO II showed up.

73... Ed, W5EJ

"GolFer" <peantsgolfer@hotmail.com> wrote in message
news:ue4fs9rvcg2va1@corp.supernews.com...
> I do not know, but I am only guessing.
> The TS-2000 in newer, has fewer parts and cost them less to build.
> "Ku3o" <gperk@tampabay.rr.com> wrote in message
> news:27xy8.325584$K52.52401243@typhoon.tampabay.rr.com...
> > Folks,
> >
> > I am trying to decide between a TS-2000 and TS-870S.
> > The 2000 seems to have more options/bands/bells/whistles,
> > but the 870 has the higher price tag? It appears there is more in
> > the 2000 so why is it so much less expensive than the
> > 870? What feature set in the 870 demands the higher
> > price tag? I thought both rigs had similar DSP functionality

```
> > The 2000 appears to have many more bells/whistles...
> >
> > Am I going to be sacrificing receiver performance
> > for bells/whistles if I go 2000...
> >
> > Just trying to figure out the price difference...
> >
> > Im seeing the 2000 for ~$1800 street and the 870
> > for ~$2300.
> >
> > Thanks for your comments...
> > Ku3o
> >
> >
> >
> >
> >
> >
>
>
```

```
From -1692122729665365913
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9ec683b299b7563b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,9ec683b299b7563b
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9ec683b299b7563b
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2002-05-18 01:59:55 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!cox.net!
newspeer1-gui.server.ntli.net!ntli.net!newsfep1-win.server.ntli.net.POSTED!
53ab2750!not-for-mail
From: "maggie.carrington" <maggie.carrington@ntlworld.com>
Newsgroups: alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur
References: <27xy8.325584$K52.52401243@typhoon.tampabay.rr.com>
<ue4fs9rvcg2va1@corp.supernews.com>
Subject: Re: Kenwood TS-2000 vs TS-870S
Lines: 59
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <dKoF8.221$xY.40825@newsfep1-win.server.ntli.net>
Date: Sat, 18 May 2002 10:00:02 +0100
NNTP-Posting-Host: 62.253.57.24
X-Complaints-To: abuse@ntlworld.com
X-Trace: newsfep1-win.server.ntli.net 1021712393 62.253.57.24 (Sat, 18 May 2002
09:59:53 BST)
NNTP-Posting-Date: Sat, 18 May 2002 09:59:53 BST
```

Organization: ntlworld News Service
Xref: archiver1.google.com alt.ham-radio.hf:2148 rec.radio.amateur:3632

Hi There,

I have a TS870 and my mate has the TS2000.

We've compared them and to be honest. The 870 comes out on top for receive.

It's a case of horses for courses.

The 870 is a pure HF rig and all of the common used functions AGC, Power, Key Speed, etc are readily available on the front panel. Whereas on the 2000 they're tucked away in dual function (multi press) buttons.

I like the 870 because once the menu is set to your preferences all you have to do is use it. There are no multi-presses, etc.

Granted the 2000 has more whistles and bells. TNC, 2m, 70cm etc. but at the same time you have decide whether you want to risk putting all of your eggs in one basket.

I lke them both but I prefer the 870.

Cheers Chris.

"GolFer" <peantsgolfer@hotmail.com> wrote in message
news:ue4fs9rvcg2va1@corp.supernews.com...
> I do not know, but I am only guessing.
> The TS-2000 in newer, has fewer parts and cost them less to build.
> "Ku3o" <gperk@tampabay.rr.com> wrote in message
> news:27xy8.325584$K52.52401243@typhoon.tampabay.rr.com...
> > Folks,
> >
> > I am trying to decide between a TS-2000 and TS-870S.
> > The 2000 seems to have more options/bands/bells/whistles,
> > but the 870 has the higher price tag? It appears there is more in
> > the 2000 so why is it so much less expensive than the
> > 870? What feature set in the 870 demands the higher
> > price tag? I thought both rigs had similar DSP functionality
> > The 2000 appears to have many more bells/whistles...
> >
> > Am I going to be sacrificing receiver performance
> > for bells/whistles if I go 2000...
> >
> > Just trying to figure out the price difference...
> >
> > Im seeing the 2000 for ~$1800 street and the 870
> > for ~$2300.
> >
> > Thanks for your comments...
> > Ku3o
> >

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> >
> >
>
>




From -3018645699311974815
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9ec683b299b7563b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,9ec683b299b7563b
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9ec683b299b7563b
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2002-05-20 12:05:17 PST
Path: archiver1.google.com!postnews1.google.com!not-for-mail
From: n4gi@tampabay.rr.com (Blake Meinecke)
Newsgroups: alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur
Subject: Re: Kenwood TS-2000 vs TS-870S
Date: 20 May 2002 12:05:16 -0700
Organization: http://groups.google.com/
Lines: 11
Message-ID: <97586e20.0205201105.577459bc@posting.google.com>
References: <27xy8.325584$K52.52401243@typhoon.tampabay.rr.com>
<ue4fs9rvcg2va1@corp.supernews.com> <dKoF8.221$xY.40825@newsfep1-
win.server.ntli.net>
NNTP-Posting-Host: 24.129.155.162
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1021921516 23669 127.0.0.1 (20 May 2002 19:05:16 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: 20 May 2002 19:05:16 GMT
Xref: archiver1.google.com alt.ham-radio.hf:2156 rec.radio.amateur:3653

I heard the receiver is quite LOUSY on the 2000 (particulary vhf).
The 870 is a good radio, I felt the DSP makes things a sound little
"ringy" though.

ymmv
blake  n4gi


> > > I am trying to decide between a TS-2000 and TS-870S.
> > > The 2000 seems to have more options/bands/bells/whistles,
> > > but the 870 has the higher price tag?


From -1168830387037194586
```

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9ec683b299b7563b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,9ec683b299b7563b
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9ec683b299b7563b
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2002-05-20 12:56:56 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
peer.news.opaltelecom.net!lon1-news.nildram.net!news-spur1.maxwell.syr.edu!
news.maxwell.syr.edu!news-out.nuthinbutnews.com!propagator-sterling!news-
in.nuthinbutnews.com!cyclone1.gnilink.net!spamfinder.gnilink.net!
nwrddc02.gnilink.net.POSTED!74670700!not-for-mail
From: "W6DKN" <w6dkn@qsl.net>
Newsgroups: alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur
References: <27xy8.325584$K52.52401243@typhoon.tampabay.rr.com>
<ue4fs9rvcg2va1@corp.supernews.com> <dKoF8.221$xY.40825@newsfep1-
win.server.ntli.net> <97586e20.0205201105.577459bc@posting.google.com>
Subject: Re: Kenwood TS-2000 vs TS-870S
Lines: 28
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <CxcG8.1060$mN3.873@nwrddc02.gnilink.net>
Date: Mon, 20 May 2002 19:56:18 GMT
NNTP-Posting-Host: 67.219.145.248
X-Complaints-To: abuse@verizon.net
X-Trace: nwrddc02.gnilink.net 1021924578 67.219.145.248 (Mon, 20 May 2002 15:56:18
EDT)
NNTP-Posting-Date: Mon, 20 May 2002 15:56:18 EDT
Xref: archiver1.google.com alt.ham-radio.hf:2157 rec.radio.amateur:3654
```

The TS-2000 has as good or better sensitivity and selectivity figures as any of the dedicated SAT rigs, and has 5-10 dB better image rejection than any of them. If the specs are real, then the TS-2000 is as good or better on VHF than the Kenwood TS-790, Yaesu FT-847, Icom 910, or Yaesu FT-736. The only SAT rig that I found (so far) that had a better receive spec was the Icom 970 with receive sensitivity of .11 microvolts, as compared to the typical .16 microvolts of the others.

(I have been shopping for a new SAT rig... :>)

73 de W6DKN

"Blake Meinecke" <n4gi@tampabay.rr.com> wrote in message
news:97586e20.0205201105.577459bc@posting.google.com...

```
> I heard the receiver is quite LOUSY on the 2000 (particulary vhf).
> The 870 is a good radio, I felt the DSP makes things a sound little
> "ringy" though.
>
> ymmv
> blake  n4gi
>
>
> > > > I am trying to decide between a TS-2000 and TS-870S.
> > > > The 2000 seems to have more options/bands/bells/whistles,
> > > > but the 870 has the higher price tag?



From -1398118424782040240
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e3def4669b588fec,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,e3def4669b588fec,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,e3def4669b588fec,start
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,e3def4669b588fec,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fa029,e3def4669b588fec,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1009ad,e3def4669b588fec,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fb049,e3def4669b588fec,start
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2002-05-21 16:16:37 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-01!sn-xit-03!
supernews.com!peer1-sjc1.usenetserver.com!usenetserver.com!
news03.bloor.is.net.cable.rogers.com!news01.bloor.is.net.cable.rogers.com.POSTED!
12dc6cf53ab2750!not-for-mail
From: "Randy" <NoSpamAllowed@MyEmail.com>
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-
uhf,alt.radio.amateur,alt.radio.scanner,rec.ham-
radio,rec.radio.amateur,rec.radio.scanner
Subject: FA: Back Issues of Monitoring Times & Popular Communictions Only 5 hrs.
left
Lines: 13
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <lzAG8.79057$t8_.65919@news01.bloor.is.net.cable.rogers.com>
Date: Tue, 21 May 2002 23:16:33 GMT
NNTP-Posting-Host: 24.42.207.208
X-Complaints-To: abuse@rogers.com
X-Trace: news01.bloor.is.net.cable.rogers.com 1022022993 24.42.207.208 (Tue, 21
May 2002 19:16:33 EDT)
NNTP-Posting-Date: Tue, 21 May 2002 19:16:33 EDT
```

Xref: archiver1.google.com alt.ham-radio.vhf-uhf:9599 alt.radio.scanner:26128 rec.radio.amateur:3668 rec.radio.scanner:35726

Only 5 hrs 8 min
http://page.auctions.shopping.yahoo.com/ca/auction/65850518

Randy

--
Scanning the Upper Ottawa Valley
http://groups.yahoo.com/group/ScanRenfrewCounty

Learn to broadcast your scanner on the internet
http://groups.yahoo.com/group/LiveScannerAudio

From -1224528309251311136
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,765dea0cca973079,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f55c2,765dea0cca973079,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fa656,765dea0cca973079,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,765dea0cca973079,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 114a57,765dea0cca973079,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,765dea0cca973079,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108122,765dea0cca973079,start
X-Google-Attributes: gid108122,public
X-Google-ArrivalTime: 2002-05-26 23:49:46 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-03!supernews.com!peer1-sjc1.usenetserver.com!usenetserver.com!newsfeeds-atl2!e420r-atl1.usenetserver.com.POSTED!not-for-mail
From: "Chris Singleton" <ke3mc@goeaston.net>
Newsgroups: alt.ham-radio,alt.ham-radio.hf,alt.ham-radio.mods,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment
Subject: Kenwood TS-530S
Lines: 23
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <RAkI8.80698$To6.26082846@e420r-atl1.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Mon, 27 May 2002 02:44:01 EDT

Organization: WebUseNet Corp. - "ReInventing The UseNet"
Date: Mon, 27 May 2002 02:50:58 -0400
Xref: archiver1.google.com alt.ham-radio.hf:2168 alt.ham-radio.mods:1649 rec.radio.amateur:3734 rec.radio.amateur.equipment:29661

I have a "sick" Kenwood TS-530S HF Rig... It quit transmitting during a special event station exercise on Saturday- Turned it off and after it cooled down, was OK again. Then yesterday, the Rig seemed to lose Drive (12BY7A tube). Replaced Driver and Final (6146B) tubes and worked OK for a few minutes- then lost Drive again. I still have HV and the tube filaments are still on... Anyone have any thoughts??? Any hints would be appreciated!!!

73's.... Chris, KE3MC

From -6768211203587033676
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,765dea0cca973079
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,765dea0cca973079
X-Google-Attributes: gid108122,public
X-Google-Thread: f55c2,765dea0cca973079
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 108778,765dea0cca973079
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,765dea0cca973079
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,765dea0cca973079
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,765dea0cca973079
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-05-27 09:50:35 PST
Path: archiver1.google.com!postnews1.google.com!not-for-mail
From: nm5k@wt.net (Mark Keith)
Newsgroups: alt.ham-radio,alt.ham-radio.hf,alt.ham-radio.mods,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment

Subject: Re: Kenwood TS-530S
Date: 27 May 2002 09:50:34 -0700
Organization: http://groups.google.com/
Lines: 19
Message-ID: <25eb70d7.0205270850.271fda83@posting.google.com>
References: <RAkI8.80698$To6.26082846@e420r-atl1.usenetserver.com>
NNTP-Posting-Host: 216.119.175.108
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1022518235 14927 127.0.0.1 (27 May 2002 16:50:35 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: 27 May 2002 16:50:35 GMT
Xref: archiver1.google.com alt.ham-radio.hf:2170 alt.ham-radio.mods:1650
rec.radio.amateur:3735 rec.radio.amateur.equipment:29679

"Chris Singleton" <ke3mc@goeaston.net> wrote in message
news:<RAkI8.80698$To6.26082846@e420r-atl1.usenetserver.com>...
> I have a "sick" Kenwood TS-530S HF Rig... It quit transmitting during a
> special event station exercise on Saturday- Turned it off and after it
> cooled down, was OK again. Then yesterday, the Rig seemed to lose Drive
> (12BY7A tube). Replaced Driver and Final (6146B) tubes and worked OK for a
> few minutes- then lost Drive again. I still have HV and the tube filaments
> are still on... Anyone have any thoughts??? Any hints would be
> appreciated!!!
>
> 73's.... Chris, KE3MC

Could be a few things. Dirty bandswitches can cause that at times.
Wiggle them and see if it kicks in. It's possible you could have loose
resistive tube pins on the driver tube. If this is the case, wiggling
the driver tube will cause it to go off/on. If the pins are resistive,
you will need to resolder them. There is a trap door under that socket
for access. I'd go though and check all boards for loose grounding
screws, plugs, etc, etc. Dunno, it sounds about a 50% chance you have
driver tube pinitus. I had to fix that on my TS-830 once. MK

From 4989022283242935475
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2809025eff80843f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,2809025eff80843f,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-06-03 07:03:03 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-04!supernews.com!
telocity-west!TELOCITY!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!
newsfeed1.cidera.com!Cidera!border1.nntp.aus1.giganews.com!nntp.giganews.com!
nntp3.aus1.giganews.com!bin6.nnrp.aus1.giganews.com.POSTED!not-for-mail
From: W2AGN <w2agn@w2agn.net>
Subject: Old QSL from K3HLU?
Newsgroups: rec.ham-radio,rec.radio.amateur
Followup-To: rec.ham-radio
Lines: 6

```
User-Agent: KNode/0.4
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7Bit
X-GC-Trace: gv1-fs1N4UNYFRgobjJdUM4S0A45gaeQAq3a0qnK6g=
Message-ID: <5GKK8.107809$jm.10555778@bin6.nnrp.aus1.giganews.com>
NNTP-Posting-Date: Mon, 03 Jun 2002 09:02:41 CDT
Organization: Giganews.Com - Premium News Outsourcing
X-Trace: sv3-XeofnlgHT5uxiZw2YfT7Zr5X2ozOIxiEWel6r6/
RMU5sOSFkIU8gQsP2a4sqB6EJJkOVK5k5gJdjRrL!bzNOl/F9u+OZ+LXGTy8ngZvdBw6z3Xpoa1KQhZ/
mpB6+XFWKezYd/UtcpduMtPsv/C4qM6DCtFjA!kqipSGRJUQtR0H+TVQ==
X-Complaints-To: abuse@comcast.com
X-DMCA-Complaints-To: abuse@comcast.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
Date: Mon, 03 Jun 2002 14:02:41 GMT
Xref: archiver1.google.com rec.radio.amateur:3782
```

Does anyone have any old QSLs from K3HLU or KN3HLU, from 1958-1966?

Thanks

--
John W2AGN

```
From 3899886954387366876
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d0d99373af54e24,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,8d0d99373af54e24,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 107ada,8d0d99373af54e24,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f64c6,8d0d99373af54e24,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 10eac9,8d0d99373af54e24,start
X-Google-Attributes: gid10eac9,public
X-Google-Thread: fa656,8d0d99373af54e24,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,8d0d99373af54e24,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-06-12 01:16:12 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-03!supernews.com!
mtu.ru!news2.aha.ru!image.surnet.ru!surnet.ru!newsfeed.media.kyoto-u.ac.jp!nntp-
relay.ihug.net!ihug.co.nz!news-hog.berkeley.edu!ucberkeley!enews.sgi.com!
iafrica.com!news.adamastor.ac.za!not-for-mail
From: Tony Baard <TONYB@ITS.uct.ac.za>
Newsgroups: alt.ham-radio,rec.ham-
radio,alt.radio.amateur,aus.radio.amateur,rec.radio.amateur,uk.radio.amateur,rec.r
adio.amateur.misc
Subject: Help reqd: Icom IC-V200T
Date: Wed, 12 Jun 2002 10:14:33 +0200
```

Organization: University of Cape Town
Lines: 12
Message-ID: <3D0702E9.3B5C557F@ITS.uct.ac.za>
Reply-To: TONYB@ITS.uct.ac.za
NNTP-Posting-Host: tonyb2.its.uct.ac.za
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: news.adamastor.ac.za 1023869764 78706 137.158.27.154 (12 Jun 2002 08:16:04 GMT)
X-Complaints-To: abuse@uct.ac.za
NNTP-Posting-Date: 12 Jun 2002 08:16:04 GMT
X-Mailer: Mozilla 4.75 [en] (Win98; U)
X-Accept-Language: en
Xref: archiver1.google.com rec.radio.amateur:3820 uk.radio.amateur:65546 rec.radio.amateur.misc:29834

Hi there

A fellow amateur is looking for the pin configuration for the microphone socket on the Icom IC-V200T. The original mic has gone faulty and he would like to replace it with a DTMF mic.

He would also like to know how to assign an alphanumeric tag to the channels so that the tag displays on the LCD.

Thanks in advance!

Regards.

From 5126763041941040387
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d0d99373af54e24
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,8d0d99373af54e24
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 10eac9,8d0d99373af54e24
X-Google-Attributes: gid10eac9,public
X-Google-Thread: 107ada,8d0d99373af54e24
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,8d0d99373af54e24
X-Google-Attributes: gidfa656,public
X-Google-Thread: f64c6,8d0d99373af54e24
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 108778,8d0d99373af54e24
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2002-06-13 05:28:52 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-05!supernews.com!feed.textport.net!deine.net!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!sunqbc.risq.qc.ca!newspeer.monmouth.com!203.97.37.7!news.xtra.co.nz!not-for-mail
Reply-To: "John Burns \(NZ\)" <johnburns007@NOhotmailSPAM.com>
From: "John Burns \(NZ\)" <johnburns007@NOhotmailSPAM.com>

Newsgroups: alt.ham-radio,rec.ham-radio,alt.radio.amateur,aus.radio.amateur,rec.radio.amateur,uk.radio.amateur,rec.radio.amateur.misc
References: <3D0702E9.3B5C557F@ITS.uct.ac.za>
Subject: 500mW telemetry transmission
Lines: 37
Organization: John Burns (NZ)
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <g60O8.3144$iR2.349708@news.xtra.co.nz>
Date: Fri, 14 Jun 2002 00:16:50 +1200
NNTP-Posting-Host: 210.55.116.186
X-Complaints-To: newsadmin@xtra.co.nz
X-Trace: news.xtra.co.nz 1023970828 210.55.116.186 (Fri, 14 Jun 2002 00:20:28 NZST)
NNTP-Posting-Date: Fri, 14 Jun 2002 00:20:28 NZST
Xref: archiver1.google.com rec.radio.amateur:3822 uk.radio.amateur:65713 rec.radio.amateur.misc:29844

Ok, here goes

Please keep in mind I am not a radio amateur and anything more than gain, and SWR leave me floundering.

I am getting interested in launching weather balloons to a high altitude and taking photographs. Part of the task is sending telemetry data back to a base station so I can track the unit. I am using a Basic Stamp 2sx so generate DTMF tones of the telemetry data at a rate of 5 tones per second.

I want to a cheaply as possible be able to transmit this data line of site (straight down) around 30KM (20 miles). I have a set of Motorola t5100 2 way radios, which transmit 500mw of power in the 467Mhz range. What I would like to know is if it is possible to get this range out of one of these transmitters?

I will be using an Icom IC-R2 scanning receiver to receive the signal, and intend on building a 12 element or so Yagi to use with it. I will need to use some sort of directional antenna for transmitting as there is no point transmitting away from earth.

What sort of transmitter antenna/receiver antenna combination is suitable, o am I asking farr too much out of a 500mW signal.

As an extra note, the motorola T5100 talkabout 2 way radios transmit a modest 2.0- 2.5km line of sight (over water) - they will transmit further, but the quality does weaken dramatically. Using a 2 way radio transmitting and a rubber ducky antenna on my icom IC-r2 scanner, this range increases to about 4km easily, pushing 4.5-5.0km. I assume the standard T5100 antenna to be fairly lossy, and the rubber ducky antenna on my scanner is shown as being a 3.5DB gain at this frequency.

I hope this helps

-John

```
From 7063349747334049407
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d0d99373af54e24
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,8d0d99373af54e24
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 10ed5f,8d0d99373af54e24
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,8d0d99373af54e24
X-Google-Attributes: gid108778,public
X-Google-Thread: 107ada,8d0d99373af54e24
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10eac9,8d0d99373af54e24
X-Google-Attributes: gid10eac9,public
X-Google-Thread: fa656,8d0d99373af54e24
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-06-13 05:55:57 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-05!supernews.com!
feed.textport.net!diablo.netcom.net.uk!netcom.net.uk!newsfeed.icl.net!
newsfeed1.cidera.com!Cidera!DirecTVinternet!DirecTV-DSL!enews.sgi.com!
news.xtra.co.nz!not-for-mail
Reply-To: "John Burns \(NZ\)" <johnburns007@NOhotmailSPAM.com>
From: "John Burns \(NZ\)" <johnburns007@NOhotmailSPAM.com>
Newsgroups: alt.ham-radio,rec.ham-
radio,alt.radio.amateur,aus.radio.amateur,rec.radio.amateur,uk.radio.amateur,rec.r
adio.amateur.misc
Subject: 500mW telemetry transmission
Lines: 43
Organization: John Burns (NZ)
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <1D0O8.3147$iR2.350651@news.xtra.co.nz>
Date: Fri, 14 Jun 2002 00:38:20 +1200
NNTP-Posting-Host: 210.55.116.186
X-Complaints-To: newsadmin@xtra.co.nz
X-Trace: news.xtra.co.nz 1023972925 210.55.116.186 (Fri, 14 Jun 2002 00:55:25
NZST)
NNTP-Posting-Date: Fri, 14 Jun 2002 00:55:25 NZST
Xref: archiver1.google.com rec.radio.amateur:3824 uk.radio.amateur:65719
rec.radio.amateur.misc:29846
```

Ok, here goes

Please keep in mind I am not a radio amateur and anything more than gain, and SWR leave me floundering.

I am getting interested in launching weather balloons to a high altitude and taking photographs. Part of the task is sending telemetry data back to a base station so I can track the unit. I am using a Basic Stamp 2sx so generate DTMF tones of the telemetry data at a rate of 5 tones per second.

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I hope this helps

-John

Ad Astra per Ardua

```
From -3154691813637523532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d0d99373af54e24
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10eac9,8d0d99373af54e24
X-Google-Attributes: gid10eac9,public
X-Google-Thread: f64c6,8d0d99373af54e24
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fa656,8d0d99373af54e24
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,8d0d99373af54e24
```

X-Google-Attributes: gid107ada,public
X-Google-Thread: 108778,8d0d99373af54e24
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,8d0d99373af54e24
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-06-13 08:21:48 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-06!sn-xit-04!supernews.com!news-xfer2.newshosting.com!fu-berlin.de!uni-berlin.de!m154-mp1-cvx2a.pop.ntl.COM!not-for-mail
From: "Steve Terry" <g4wwknospam@tesco.net>
Newsgroups: alt.ham-radio,rec.ham-radio,alt.radio.amateur,aus.radio.amateur,rec.radio.amateur,uk.radio.amateur,rec.radio.amateur.misc
Subject: Re: 500mW telemetry transmission
Date: Thu, 13 Jun 2002 16:20:56 +0100
Lines: 63
Message-ID: <aead8o$5cb0r$1@ID-139484.news.dfncis.de>
References: <3D0702E9.3B5C557F@ITS.uct.ac.za> <g60O8.3144$iR2.349708@news.xtra.co.nz>
NNTP-Posting-Host: m154-mp1-cvx2a.pop.ntl.com (80.1.32.154)
X-Trace: fu-berlin.de 1023981657 5647387 80.1.32.154 (16 [139484])
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Xref: archiver1.google.com rec.radio.amateur:3825 uk.radio.amateur:65736 rec.radio.amateur.misc:29853

"John Burns (NZ)" <johnburns007@NOhotmailSPAM.com> wrote in message
news:g60O8.3144$iR2.349708@news.xtra.co.nz...
> Ok, here goes
> Please keep in mind I am not a radio amateur and anything more than gain,
> and SWR leave me floundering.
> I am getting interested in launching weather balloons to a high altitude and
> taking photographs. Part of the task is sending telemetry data back to a
> base station so I can track the unit. I am using a Basic Stamp 2sx so
> generate DTMF tones of the telemetry data at a rate of 5 tones per second.
>

It's a shame your using NBFM DTMF tones
If it was a Narrow band mode, CW / FSK etc you could get a much better
Signal to Noise ratio to play with

>
> I want to a cheaply as possible be able to transmit this data line of site
> (straight down) around 30KM (20 miles). I have a set of Motorola t5100 2
> way radios, which transmit 500mw of power in the 467Mhz range. What I would
> like to know is if it is possible to get this range out of one of these
> transmitters?
>

Half a watts probably OK, But Not FM with a low gain aerial
a lower frequency will give you a lower path loss

How about a cheap modded SSB CB ? Take the board out of one
(Balloon Radiosondes have worked for years on 27MHz)

Take it up to 28MHz so you don't have Good Buddy skip to contend with
and you could remove the RX section to lighten it some more
It's crude, but feeding tones into the SSB mic input will give you FSK
(and you'll have maybe 10 watts PEP to play with)
>
> I will be using an Icom IC-R2 scanning receiver to receive the signal, and
> intend on building a 12 element or so Yagi to use with it. I will need to
> use some sort of directional antenna for transmitting as there is no point
> transmitting away from earth.
>

Again you need a narrow band RX with SSB / CW to go with a TX
with a Narrow band mode
Use another modded SSB CB to RX it
>
> What sort of transmitter antenna/receiver antenna combination is suitable, o
> am I asking farr too much out of a 500mW signal.
>

On 28 MHz a 16ft wire dipole, I thought of a 8 ft 1/4 wave wire,
but a balloon won't have a ground plane
>
> As an extra note, the motorola T5100 talkabout 2 way radios transmit a
> modest 2.0- 2.5km line of sight (over water) - they will transmit further,
> but the quality does weaken dramatically. Using a 2 way radio transmitting
> and a rubber ducky antenna on my icom IC-r2 scanner, this range increases to
> about 4km easily, pushing 4.5-5.0km. I assume the standard T5100 antenna to
> be fairly lossy, and the rubber ducky antenna on my scanner is shown as
> being a 3.5DB gain at this frequency.
>

Chuck them in the bin
>
> I hope this helps
> -John
>

I think I've helped ? :-)

Steve Terry

```
From 3531031262177803936
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d0d99373af54e24
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,8d0d99373af54e24
X-Google-Attributes: gid108778,public
X-Google-Thread: 107ada,8d0d99373af54e24
X-Google-Attributes: gid107ada,public
X-Google-Thread: f64c6,8d0d99373af54e24
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fa656,8d0d99373af54e24
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10eac9,8d0d99373af54e24
```

```
X-Google-Attributes: gid10eac9,public
X-Google-Thread: 10ed5f,8d0d99373af54e24
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-06-13 08:23:02 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-04!supernews.com!
news-xfer.siscom.net!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!fu-berlin.de!
uni-berlin.de!modem-59.snake.dialup.pol.co.UK!not-for-mail
From: Walt Davidson <walt99@tiscali.co.uk>
Newsgroups: alt.ham-radio,rec.ham-
radio,alt.radio.amateur,aus.radio.amateur,rec.radio.amateur,uk.radio.amateur,rec.r
adio.amateur.misc
Subject: Re: 500mW telemetry transmission
Date: Thu, 13 Jun 2002 16:22:41 +0100
Lines: 13
Message-ID: <61ehgu0uotpinathjprlk47n5o4ugjmg5b@4ax.com>
References: <3D0702E9.3B5C557F@ITS.uct.ac.za>
<g60O8.3144$iR2.349708@news.xtra.co.nz>
NNTP-Posting-Host: modem-59.snake.dialup.pol.co.uk (62.137.112.59)
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: fu-berlin.de 1023981743 5550084 62.137.112.59 (16 [26811])
X-Newsreader: Forte Agent 1.8/32.548
Xref: archiver1.google.com rec.radio.amateur:3826 uk.radio.amateur:65738
rec.radio.amateur.misc:29854

On Fri, 14 Jun 2002 00:16:50 +1200, "John Burns \(NZ\)"
<johnburns007@NOhotmailSPAM.com> wrote:

>Please keep in mind I am not a radio amateur and anything more than gain,
>and SWR leave me floundering.

If you have an understanding of SWR, then you are doing a lot better
than 95% of all radio amateurs (and 100% of M3's)!

73 de G3NYY

--
Walt Davidson                       Email: g3nyy @freeuk.com


From -437172654473770500
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d0d99373af54e24
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,8d0d99373af54e24
X-Google-Attributes: gid107ada,public
X-Google-Thread: f64c6,8d0d99373af54e24
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fa656,8d0d99373af54e24
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-06-13 08:26:39 PST
Message-ID: <3D08B899.7E1FCF5E@nerc.ac.uk.loopback>
```

Date: Thu, 13 Jun 2002 16:22:01 +0100
From: PJML <pjml@nerc.ac.uk.loopback>
Reply-To: pjml@nerc.ac.uk.loopback
X-Mailer: Mozilla 4.79 [en] (Windows NT 5.0; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,uk.radio.amateur,rec.radio.amateur.misc
Subject: Re: 500mW telemetry transmission
References: <3D0702E9.3B5C557F@ITS.uct.ac.za> <g6O08.3144$iR2.349708@news.xtra.co.nz> <aead8o$5cb0r$1@ID-139484.news.dfncis.de>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
NNTP-Posting-Host: pjml-test.nerc-swindon.ac.uk
X-Trace: news.nwl.ac.uk 1023981994 pjml-test.nerc-swindon.ac.uk (13 Jun 2002 16:26:34 +0100)
Lines: 16
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!colt.net!newspeer.clara.net!news.clara.net!peer.news.eu-x.com!server2.netnews.ja.net!news.nwl.ac.uk
Xref: archiver1.google.com rec.radio.amateur:3827 uk.radio.amateur:65740 rec.radio.amateur.misc:29855

Steve Terry wrote:

> How about a cheap modded SSB CB ? Take the board out of one
> (Balloon Radiosondes have worked for years on 27MHz)
> Take it up to 28MHz so you don't have Good Buddy skip to contend with
> and you could remove the RX section to lighten it some more
> It's crude, but feeding tones into the SSB mic input will give you FSK
> (and you'll have maybe 10 watts PEP to play with)

The guy said he's not a radio ham, and the
radios he is proposing to use don't operate on
any ham-band (I'm assuming 467MHz is some sort
of New Zealand equivalent to our PMR446 shortrange
walkie-talkies)

//PJML//

From 6853756936273401213
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d0d99373af54e24
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,8d0d99373af54e24
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 107ada,8d0d99373af54e24
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,8d0d99373af54e24
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-06-13 10:02:51 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-

```
spur1.maxwell.syr.edu!news.maxwell.syr.edu!fu-berlin.de!uni-berlin.de!m154-mp1-
cvx2a.pop.ntl.COM!not-for-mail
From: "Steve Terry" <g4wwknospam@tesco.net>
Newsgroups: rec.ham-
radio,rec.radio.amateur,uk.radio.amateur,rec.radio.amateur.misc
Subject: Re: 500mW telemetry transmission
Date: Thu, 13 Jun 2002 18:02:48 +0100
Lines: 27
Message-ID: <aeaj7o$5dq2i$1@ID-139484.news.dfncis.de>
References: <3D0702E9.3B5C557F@ITS.uct.ac.za>
<g6008.3144$iR2.349708@news.xtra.co.nz> <aead8o$5cb0r$1@ID-139484.news.dfncis.de>
<3D08B899.7E1FCF5E@nerc.ac.uk.loopback>
NNTP-Posting-Host: m154-mp1-cvx2a.pop.ntl.com (80.1.32.154)
X-Trace: fu-berlin.de 1023987769 5695570 80.1.32.154 (16 [139484])
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Xref: archiver1.google.com rec.radio.amateur:3828 uk.radio.amateur:65753
rec.radio.amateur.misc:29856
```

"PJML" <pjml@nerc.ac.uk.loopback> wrote in message
news:3D08B899.7E1FCF5E@nerc.ac.uk.loopback...

> Steve Terry wrote:
> > How about a cheap modded SSB CB ? Take the board out of one
> > (Balloon Radiosondes have worked for years on 27MHz)
> > Take it up to 28MHz so you don't have Good Buddy skip to contend with
> > and you could remove the RX section to lighten it some more
> > It's crude, but feeding tones into the SSB mic input will give you FSK
> > (and you'll have maybe 10 watts PEP to play with)
>
> The guy said he's not a radio ham, and the
> radios he is proposing to use don't operate on
> any ham-band (I'm assuming 467MHz is some sort
> of New Zealand equivalent to our PMR446 shortrange
> walkie-talkies)
> file://PJML//
>

There are so many illegal "Freebanders" on the bottom of 28MHz
Who would notice someone sending telemetry ??

Maybe he could ask a local Amateur to "lend" his presence and callsign to the project ?

Steve Terry

```
From -7081128481055141645
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d0d99373af54e24
```

```
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10eac9,8d0d99373af54e24
X-Google-Attributes: gid10eac9,public
X-Google-Thread: 107ada,8d0d99373af54e24
X-Google-Attributes: gid107ada,public
X-Google-Thread: f64c6,8d0d99373af54e24
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 108778,8d0d99373af54e24
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,8d0d99373af54e24
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,8d0d99373af54e24
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-06-13 10:14:25 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-05!supernews.com!
feed.textport.net!news.uni-stuttgart.de!uni-erlangen.de!news-nue1.dfn.de!news-
lei1.dfn.de!newsfeed00.sul.t-online.de!newsfeed01.sul.t-online.de!t-online.de!
newspeer1-gui.server.ntli.net!ntli.net!newsfep1-win.server.ntli.net.POSTED!
53ab2750!not-for-mail
From: "Brian Reay" <brian.reay@bigfoot.com>
Newsgroups: alt.ham-radio,rec.ham-
radio,alt.radio.amateur,aus.radio.amateur,rec.radio.amateur,uk.radio.amateur,rec.r
adio.amateur.misc
References: <3D0702E9.3B5C557F@ITS.uct.ac.za>
<g6O08.3144$iR2.349708@news.xtra.co.nz>
Subject: Re: 500mW telemetry transmission
Lines: 51
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <8p4O8.4972$GP6.127399@newsfep1-win.server.ntli.net>
Date: Thu, 13 Jun 2002 18:15:56 +0100
NNTP-Posting-Host: 80.1.4.209
X-Complaints-To: abuse@virgin.net
X-Trace: newsfep1-win.server.ntli.net 1023988420 80.1.4.209 (Thu, 13 Jun 2002
18:13:40 BST)
NNTP-Posting-Date: Thu, 13 Jun 2002 18:13:40 BST
Organization: Virgin Net Usenet Service
Xref: archiver1.google.com rec.radio.amateur:3829 uk.radio.amateur:65761
rec.radio.amateur.misc:29857
```

"John Burns (NZ)" <johnburns007@NOhotmailSPAM.com> wrote in message
news:g6O08.3144$iR2.349708@news.xtra.co.nz...

> Ok, here goes
>
> Please keep in mind I am not a radio amateur and anything more than gain,
> and SWR leave me floundering.
>
> I am getting interested in launching weather balloons to a high altitude

and
> taking photographs. Part of the task is sending telemetry data back to a
> base station so I can track the unit. I am using a Basic Stamp 2sx so
> generate DTMF tones of the telemetry data at a rate of 5 tones per second.
>
> I want to a cheaply as possible be able to transmit this data line of site
> (straight down) around 30KM (20 miles). I have a set of Motorola t5100 2
> way radios, which transmit 500mw of power in the 467Mhz range. What I
would
> like to know is if it is possible to get this range out of one of these
> transmitters?
>

I'm not sure of the legal situation in NZ but any of the suggestions made
thus far would NOT be legal in the UK.

As letting of balloons to a high altitude is not exactly inconspicious I
suggest caution. In the UK there are legal i.e. exempt telemetry
transmitters you can use- around 175MHz as I recall- I suggest you try and
find out if there is a similar allocation in NZ.

Also, what is the situation re balloons- in the UK there are rules regarding
this.

I'm not trying to be a kill joy but where does NZ send its convicts these
days? (Australia- you would have to drink Fosters, that must be cruel and
un-natural punishment)

73

Brian
G8OSN

--
Brian Reay
www.g8osn.org.uk

```
From 4931897566268069170
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d0d99373af54e24
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,8d0d99373af54e24
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,8d0d99373af54e24
X-Google-Attributes: gidfa656,public
X-Google-Thread: f64c6,8d0d99373af54e24
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 10eac9,8d0d99373af54e24
```

```
X-Google-Attributes: gid10eac9,public
X-Google-Thread: 107ada,8d0d99373af54e24
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,8d0d99373af54e24
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-06-13 14:58:41 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-06!supernews.com!
novia!novia!feeder.via.net!nntp-relay.ihug.net!newsfeeds.ihug.co.nz!ihug.co.nz!
news.xtra.co.nz!not-for-mail
Reply-To: "John Burns \(NZ\)" <johnburns007@NOhotmailSPAM.com>
From: "John Burns \(NZ\)" <johnburns007@NOhotmailSPAM.com>
Newsgroups: alt.ham-radio,rec.ham-
radio,alt.radio.amateur,aus.radio.amateur,rec.radio.amateur,uk.radio.amateur,rec.r
adio.amateur.misc
References: <3D0702E9.3B5C557F@ITS.uct.ac.za>
<g60O8.3144$iR2.349708@news.xtra.co.nz> <aead8o$5cb0r$1@ID-139484.news.dfncis.de>
Subject: Re: 500mW telemetry transmission
Lines: 113
Organization: John Burns (NZ)
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <7A8O8.3215$iR2.359757@news.xtra.co.nz>
Date: Fri, 14 Jun 2002 09:56:10 +1200
NNTP-Posting-Host: 210.55.116.186
X-Complaints-To: newsadmin@xtra.co.nz
X-Trace: news.xtra.co.nz 1024005507 210.55.116.186 (Fri, 14 Jun 2002 09:58:27
NZST)
NNTP-Posting-Date: Fri, 14 Jun 2002 09:58:27 NZST
Xref: archiver1.google.com rec.radio.amateur:3831 uk.radio.amateur:65809
rec.radio.amateur.misc:29865
```

Thanks Steve, Everything has been taken in and well thought over. The reason i was looking in the frequency range I was, was because a chappy in california used a 5 watt 440Mhz system and said it was overkill.

The reason I am using DTMF is that it is cheap! Once I have the rest of the equipment sorted out such as GPS balloon and Helium (not cheap), I can't afford spending money on packet radio modems - especially for the first flight, New Zealand is a very narrow country, so a lot of the difficult work isn't getting the balloon up, but controlling the fall back to earth so that the package heads back towards its starting point. Also, a rate of 6 tones per second, 24bps is more than enough when you only need to send around 30 bytes per transmission - it will take 10 seconds to send the data packet, but who cares?? I will transmit continuously updated data by this method.

I am not sure of where to start looking for a 27mhz balloon radiosonde, but I will have a ring around. Someone must know someone who knows someone who knows someons who has a spare one going cheap!

Regards

John Burns
file-it@xtra.co.nz

Something to pass the boredom;
01000001 01100100 00100000 01000001 01110011 01110100 01110010 01100001
00100000 01110000 01100101 01110010 00100000 01000001 01110010 01100100
01110101 01100001
54 68 65 72 65 20 69 73 20 61 62 73 6F 6C 75 74 65 6C 79 20 6E 6F 20 72 65
61 73 6F 6E 20 66 6F 72 20 74 68 69 73 20 68 65 78 20 74 6F 20 62 65 20 68
65 72 65 20 3A 29

"Steve Terry" <g4wwknospam@tesco.net> wrote in message
news:aead8o$5cb0r$1@ID-139484.news.dfncis.de...
> "John Burns (NZ)" <johnburns007@NOhotmailSPAM.com> wrote in message
> news:g60O8.3144$iR2.349708@news.xtra.co.nz...
> > Ok, here goes
> > Please keep in mind I am not a radio amateur and anything more than
gain,
> > and SWR leave me floundering.
> > I am getting interested in launching weather balloons to a high altitude
and
> > taking photographs. Part of the task is sending telemetry data back to
a
> > base station so I can track the unit. I am using a Basic Stamp 2sx so
> > generate DTMF tones of the telemetry data at a rate of 5 tones per
second.
> >
> It's a shame your using NBFM DTMF tones
> If it was a Narrow band mode, CW / FSK etc you could get a much better
> Signal to Noise ratio to play with
> >
> > I want to a cheaply as possible be able to transmit this data line of
site
> > (straight down) around 30KM (20 miles). I have a set of Motorola t5100
2
> > way radios, which transmit 500mw of power in the 467Mhz range. What I
would
> > like to know is if it is possible to get this range out of one of these
> > transmitters?
> >
> Half a watts probably OK, But Not FM with a low gain aerial
> a lower frequency will give you a lower path loss
>
> How about a cheap modded SSB CB ? Take the board out of one
> (Balloon Radiosondes have worked for years on 27MHz)
> Take it up to 28MHz so you don't have Good Buddy skip to contend with
> and you could remove the RX section to lighten it some more
> It's crude, but feeding tones into the SSB mic input will give you FSK
> (and you'll have maybe 10 watts PEP to play with)
> >
> > I will be using an Icom IC-R2 scanning receiver to receive the signal,
and
> > intend on building a 12 element or so Yagi to use with it. I will need

```
to
> > use some sort of directional antenna for transmitting as there is no
point
> > transmitting away from earth.
> >
> Again you need a narrow band RX with SSB / CW to go with a TX
> with a Narrow band mode
> Use another modded SSB CB to RX it
> >
> > What sort of transmitter antenna/receiver antenna combination is
suitable, o
> > am I asking farr too much out of a 500mW signal.
> >
> On 28 MHz a 16ft wire dipole, I thought of a 8 ft 1/4 wave wire,
> but a balloon won't have a ground plane
> >
> > As an extra note, the motorola T5100 talkabout 2 way radios transmit a
> > modest 2.0- 2.5km line of sight (over water) - they will transmit
further,
> > but the quality does weaken dramatically.  Using a 2 way radio
transmitting
> > and a rubber ducky antenna on my icom IC-r2 scanner, this range
increases to
> > about 4km easily, pushing 4.5-5.0km.  I assume the standard T5100
antenna to
> > be fairly lossy, and the rubber ducky antenna on my scanner is shown as
> > being a 3.5DB gain at this frequency.
> >
> Chuck them in the bin
> >
> > I hope this helps
> > -John
> >
> I think I've helped ? :-)
>
> Steve Terry
>
>
```

```
From -6666072814732226923
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d0d99373af54e24
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,8d0d99373af54e24
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 10ed5f,8d0d99373af54e24
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,8d0d99373af54e24
X-Google-Attributes: gid108778,public
X-Google-Thread: 107ada,8d0d99373af54e24
```

X-Google-Attributes: gid107ada,public
X-Google-Thread: 10eac9,8d0d99373af54e24
X-Google-Attributes: gid10eac9,public
X-Google-Thread: fa656,8d0d99373af54e24
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-06-14 03:05:30 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
nntp2.aus1.giganews.com!nntp.giganews.com!news.maxwell.syr.edu!
newsfeed1.cidera.com!Cidera!cyclone.tampabay.rr.com!cyclone.austin.rr.com!
typhoon.austin.rr.com.POSTED!53ab2750!not-for-mail
From: "jeff" <w5omr-anti-spam@w5omr.antispam.shacknet.nu>
Newsgroups: alt.ham-radio,rec.ham-radio,alt.radio.amateur,aus.radio.amateur,rec.radio.amateur,uk.radio.amateur,rec.radio.amateur.misc
References: <3D0702E9.3B5C557F@ITS.uct.ac.za>
<g6O08.3144$iR2.349708@news.xtra.co.nz> <aead8o$5cb0r$1@ID-139484.news.dfncis.de>
<7A8O8.3215$iR2.359757@news.xtra.co.nz>
Subject: Re: 500mW telemetry transmission
Lines: 83
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <7cjO8.107398$9z5.6062893@typhoon.austin.rr.com>
Date: Fri, 14 Jun 2002 10:03:47 GMT
NNTP-Posting-Host: 24.167.109.251
X-Complaints-To: abuse@rr.com
X-Trace: typhoon.austin.rr.com 1024049027 24.167.109.251 (Fri, 14 Jun 2002
05:03:47 CDT)
NNTP-Posting-Date: Fri, 14 Jun 2002 05:03:47 CDT
Organization: Road Runner - Texas
Xref: archiver1.google.com rec.radio.amateur:3834 uk.radio.amateur:65872
rec.radio.amateur.misc:29872

: Thanks Steve, Everything has been taken in and well thought over. The reason
: i was looking in the frequency range I was, was because a chappy in
: california used a 5 watt 440Mhz system and said it was overkill.

And it probably was.

hi John. Let me shed some light on this subject for you.

You see, the propagation on V/UHF Frequencies (say 50Mhz and up) is Line of Sight. In other words, if you can see it, at UHF, you can talk to it. 500mW from a talkie can hit a repeater on a Mountain top 40 miles away, why can't your two talkies talk to each other 20 miles, if the only thing between the ground talkie
and the airborn talkie is Space?

: I am not sure of where to start looking for a 27mhz balloon radiosonde, but
: I will have a ring around. Someone must know someone who knows someone who
: knows someons who has a spare one going cheap!

I wouldn't worry about it, John. Stick with UHF. You'll do more than fine.

While I'm at it, let me take issue with a few more comments of Steve's...

: > Half a watts probably OK, But Not FM with a low gain aerial
: > a lower frequency will give you a lower path loss

Not necesarily true. And, since Steve was talking about using 28MHz he's not taking into consideration the fact that you'll be out of communication in around 5 or 6 miles, due to propagation. You're balloon will be 4 times that.

: > How about a cheap modded SSB CB ? Take the board out of one
: > (Balloon Radiosondes have worked for years on 27MHz)
: > Take it up to 28MHz so you don't have Good Buddy skip to contend with

More work than what you need, and besides you already said that anything more than turning a rig on/off and gain leaves you floundering (grinz)
It is nice to note that Mr. Terry acknowledges the fact that interference is a possibility, due to the frequency selected. A bad idea, all together.

Let's see what else Mr Terry has to say...

:(and you'll have maybe 10 watts PEP to play with)

See my explanation earlier about line-of-site propagation. More power means more battery, means more wieght, etc... This is a Balloon launch, for heavens sake - not a luxury cruise :-)

: > > I will be using an Icom IC-R2 scanning receiver to receive the signal,
: and intend on building a 12 element or so Yagi to use with it. I will need
: to use some sort of directional antenna for transmitting as there is no
: point transmitting away from earth.

I don't think so. Not at that elevation. a good vertical sticking out the bottom of the balloon will cover well. you can track it with a beam if you wanted, but I don't really think you'll need to. If you've got a pair of these talkies, then using one to TX with, and one to RX with makes the most sense.

If you -really- want to increase the transmit range on the balloon talkie, make a better antenna for UHF, OR add some ground radials to the existing talkie.
Cut the right length, a couple of radials, or a (approx) 5" aluminum dish around the connector of the duck-antenna, connected to the sheild (ground) and below the radiating part of the antenna, will give a ground plane for the antenna to work off of. Use the Ground plane to have the antenna focus the signal back to earth, if you're worried about enough signal from 20 miles up (which I don't think you'll have a problem with)

You're best bet, would be to get some good antennas to put on those talkies, and

go
with that, John.

Best of Luck!

--
73 = Best Regards,
-=Jeff/W5OMR=-

```
From 8084650877201857574
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d0d99373af54e24
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,8d0d99373af54e24
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f64c6,8d0d99373af54e24
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 108778,8d0d99373af54e24
X-Google-Attributes: gid108778,public
X-Google-Thread: 107ada,8d0d99373af54e24
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10eac9,8d0d99373af54e24
X-Google-Attributes: gid10eac9,public
X-Google-Thread: fa656,8d0d99373af54e24
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-06-14 18:43:54 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-06!supernews.com!iad-
peer.news.verio.net!news.verio.net!fu-berlin.de!uni-berlin.de!m18-mp1-
cvx2a.pop.ntl.COM!not-for-mail
From: "Steve Terry" <g4wwknospam@tesco.net>
Newsgroups: alt.ham-radio,rec.ham-
radio,alt.radio.amateur,aus.radio.amateur,rec.radio.amateur,uk.radio.amateur,rec.r
adio.amateur.misc
Subject: Re: 500mW telemetry transmission
Date: Sat, 15 Jun 2002 02:43:42 +0100
Lines: 30
Message-ID: <aee64g$696h4$1@ID-139484.news.dfncis.de>
References: <3D0702E9.3B5C557F@ITS.uct.ac.za>
<g60O8.3144$iR2.349708@news.xtra.co.nz> <aead8o$5cb0r$1@ID-139484.news.dfncis.de>
<7A8O8.3215$iR2.359757@news.xtra.co.nz>
<7cjO8.107398$9z5.6062893@typhoon.austin.rr.com>
NNTP-Posting-Host: m18-mp1-cvx2a.pop.ntl.com (80.1.32.18)
X-Trace: fu-berlin.de 1024105425 6593060 80.1.32.18 (16 [139484])
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Xref: archiver1.google.com rec.radio.amateur:3836 uk.radio.amateur:66003
rec.radio.amateur.misc:29893
```

"jeff" <w5omr-anti-spam@w5omr.antispam.shacknet.nu> wrote in message
news:7cjO8.107398$9z5.6062893@typhoon.austin.rr.com...
<snip>>
> Not necesarily true. And, since Steve was talking about using 28MHz he's not
> taking into consideration the fact that you'll be out of communication in
around
> 5 or 6 miles, due to propagation. You're balloon will be 4 times that.
>
You better tell the Russians that, they used to use 26Mhz for talking to
orbiting Cosmonauts
>
> : > How about a cheap modded SSB CB ? Take the board out of one
> : > (Balloon Radiosondes have worked for years on 27MHz)
> : > Take it up to 28MHz so you don't have Good Buddy skip to contend with
>
> Let's see what else Mr Terry has to say...
>
> :(and you'll have maybe 10 watts PEP to play with)
> See my explanation earlier about line-of-site propagation. More power means
> more battery, means more wieght, etc... This is a Balloon launch, for heavens
> sake - not a luxury cruise :-)
>
What do you think his Tx efficiency is going to be constantly Txing FM with
tones ?
A narrow mode like intermitant tones on SSB will be far more efficient

Steve Terry

```
From 3268440149044629357
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d0d99373af54e24
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,8d0d99373af54e24
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,8d0d99373af54e24
X-Google-Attributes: gidfa656,public
X-Google-Thread: f64c6,8d0d99373af54e24
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 10eac9,8d0d99373af54e24
X-Google-Attributes: gid10eac9,public
X-Google-Thread: 108778,8d0d99373af54e24
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,8d0d99373af54e24
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-06-15 01:21:24 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-01!supernews.com!
news.tele.dk!small.news.tele.dk!195.54.122.107!newsfeed1.bredband.com!bredband!
newsfeed01.nntp.se.dataphone.net!nntp.se.dataphone.net!feeder1.news.jippii.net!
```

reader1.news.jippii.net!not-for-mail
From: Paul Keinanen <keinanen@sci.fi>
Newsgroups: alt.ham-radio,rec.ham-radio,alt.radio.amateur,aus.radio.amateur,rec.radio.amateur,uk.radio.amateur,rec.radio.amateur.misc
Subject: Re: 500mW telemetry transmission
Message-ID: <k6qlgusmr5ckep3bd8gvnn25g2hbj87sll@4ax.com>
References: <3D0702E9.3B5C557F@ITS.uct.ac.za> <g60O8.3144$iR2.349708@news.xtra.co.nz>
X-Newsreader: Forte Agent 1.7/32.534
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 74
Date: Sat, 15 Jun 2002 11:22:23 +0300
NNTP-Posting-Host: 195.197.6.71
X-Complaints-To: newsmaster@jippii.net
X-Trace: reader1.news.jippii.net 1024129093 195.197.6.71 (Sat, 15 Jun 2002 11:18:13 EEST)
NNTP-Posting-Date: Sat, 15 Jun 2002 11:18:13 EEST
Organization: Jippii Customer
Xref: archiver1.google.com rec.radio.amateur:3840 uk.radio.amateur:66021 rec.radio.amateur.misc:29904

On Fri, 14 Jun 2002 00:16:50 +1200, "John Burns \(NZ\)" <johnburns007@NOhotmailSPAM.com> wrote:

>I want to a cheaply as possible be able to transmit this data line of site
>(straight down) around 30KM (20 miles).

True observation sondes have a light payload compared to the balloon and thus, it will reach high altitudes very quickly before exploding. Thus, it will remain within the visual line of sight path from a well located ground station all the time.

However, with a heavier payload, the ascent rate is much slower and the balloon might drift out of sight from a specific ground station. Thus you may have use a mobile tracking station. When mobile, you most probably do not have a line of sight path.

Using two or more balloons would increase the ascent rate, but then again, hopefully they explode at the same time.

> I have a set of Motorola t5100 2
>way radios, which transmit 500mw of power in the 467Mhz range. What I would
>like to know is if it is possible to get this range out of one of these
>transmitters?

You can calculate the line-of-sight path loss from

L = 32 + 20log(f) + 20log(d)

in which L is the path loss in dB, f is the frequency in MHz and did the distance in km. At 30 km and 467 MHz, the path loss is 115 dB.

You can not use high antenna gains at the wobbling free flying balloon, maybe just aim in the general direction downwards, thus, the maximum Tx antenna gain would be 3 dB. With 500 mW of transmitter power (+27 dBm), the ERP downwards would be +30 dBm. After suffering the 115 dB path loss, the signal in an omnidirectional antenna would deliver on the ground would be -85 dBm.

>I will be using an Icom IC-R2 scanning receiver to receive the signal,

A typical NBFM receiver will have a usable sensitivity around -120 dBm and for reliable DTMF detection maybe -100 dBm should be sufficient, thus, there is more than enough signal if you are directly below the balloon with line of sight.

>and
>intend on building a 12 element or so Yagi to use with it.

A long directional antenna is more or less impossible to operate while mobile, so you would have to stop on at a good point to get line of sight path. However, such an antenna would be a nice thing to have on a fixed tracking station, provided that the horizon is very low in all direction. In order to be able to track the balloon close to the horizon, the transmitter antenna should radiate sufficiently even to the horizon, thus the 3 dB transmitter antenna gain may be too much.

However, the UHF signal is more or less useless, once the payload has reached the ground (hopefully hanging on a parachute :-), since now you don't have a line of sight path and the signal would be heard maybe only 1-2 km. A rescue beacon at much lower frequencies would be good idea. Direction finding with a NBFM receiver is not easy, so a SSB/AM receiver with variable antenna attenuator would help in locating the payload.

If you have the GPS receiver on board, it might be a good idea to transmit the location while descending at a high repetition rate (only sending the last digits) over the telemetry transmitter and also send the whole coordinates over the rescue beacon or the last coordinates the GPS receiver had, before loosing the contact with the satellites.

Paul OH3LWR

```
From 8358090831004825839
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d0d99373af54e24
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10eac9,8d0d99373af54e24
X-Google-Attributes: gid10eac9,public
```

X-Google-Thread: 10ed5f,8d0d99373af54e24
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,8d0d99373af54e24
X-Google-Attributes: gid107ada,public
X-Google-Thread: f64c6,8d0d99373af54e24
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fa656,8d0d99373af54e24
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,8d0d99373af54e24
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2002-06-15 03:03:29 PST
Path: archiver1.google.com!postnews1.google.com!not-for-mail
From: meghertz@hotmail.com (Meg Hertz)
Newsgroups: alt.ham-radio,rec.ham-radio,alt.radio.amateur,aus.radio.amateur,rec.radio.amateur,uk.radio.amateur,rec.radio.amateur.misc
Subject: Re: 500mW telemetry transmission
Date: 15 Jun 2002 03:03:29 -0700
Organization: http://groups.google.com/
Lines: 21
Message-ID: <28855dc3.0206150203.5568c5df@posting.google.com>
References: <3D0702E9.3B5C557F@ITS.uct.ac.za>
<g6008.3144$iR2.349708@news.xtra.co.nz> <aead8o$5cb0r$1@ID-139484.news.dfncis.de>
NNTP-Posting-Host: 154.32.143.191
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1024135409 21053 127.0.0.1 (15 Jun 2002 10:03:29 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: 15 Jun 2002 10:03:29 GMT
Xref: archiver1.google.com rec.radio.amateur:3841 uk.radio.amateur:66032 rec.radio.amateur.misc:29906

"Steve Terry" <g4wwknospam@tesco.net> wrote in message
news:<aead8o$5cb0r$1@ID-139484.news.dfncis.de>...
> Half a watts probably OK, But Not FM with a low gain aerial
> a lower frequency will give you a lower path loss

Typical 'real amateur' G4 with no idea.

500mW ERP is +27dBm output
FREESPACE Path Loss over 30km at 467MHz - around 115dB
Signal received should be in the order of S9+ (if you're aware of
the -93dBm standard for S9) allowing even a few dB of extra losses.

Think of it this way - over a 1km line-of-sight path you'd expect FRS or 446 radios to give each other S9+++ signals, I hope (otherwise you *REALLY* haven't got a clue). Now extend the distance 30 times and you obviously get 900 times less signal - which is just under 30dB or 5 S-points.

A horizontal crossed dipole up there, giving circular polarization, should do nicely to avoid fades during spinning - only another 3dB loss to the R2.

But what do I know, I'm 'only' a Class B CBer

MegHz

From -1278750404622005147
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5634c9a31fee8c27,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,5634c9a31fee8c27,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,5634c9a31fee8c27,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-06-16 10:49:05 PST
From: "Arek" <arek@bbs.net.pl>
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment
Subject: Which to choose IC 746, 756.... Ft 920, Ts 570
Date: Sun, 16 Jun 2002 19:51:05 +0200
Lines: 9
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2919.6600
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
NNTP-Posting-Host: mtnet.com.pl
X-Original-NNTP-Posting-Host: mtnet.com.pl
Message-ID: <3d0ccfc9_1@news.vogel.pl>
X-Trace: news.vogel.pl 1024249801 mtnet.com.pl (16 Jun 2002 19:50:01 +0200)
X-Complaints-To: Usenet@news.vogel.pl
X-Original-NNTP-Posting-Host: 195.117.184.19
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed.icl.net!opentransit.net!
fr.clara.net!heighliner.fr.clara.net!isdnet!news.internetia.pl!news.nask.pl!
news.cyf-kr.edu.pl!agh.edu.pl!news.agh.edu.pl!news.onet.pl!news.bsi.net.pl!
news.vogel.pl!nnrp!not-for-mail
Xref: archiver1.google.com rec.radio.amateur:3851
rec.radio.amateur.equipment:30482

I am about to buy a radio, but I haven't got any experience. However I am considering to buy one of the radioes mentioned in the subject. I don't know which radio is better so if you have some experience and can help me, please write. I am mostly working on HF and like it the most, so I don't care if the radio will have any other bands. I would like to which of them the best radio for HF is. I'll be pleased to get any kind advice. Thank you in advance.

From -5348996930958407788
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5634c9a31fee8c27
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,5634c9a31fee8c27
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,5634c9a31fee8c27

X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-06-16 11:06:21 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed-east.nntpserver.com!nntpserver.com!cox.net!p01!news1.west.cox.net.POSTED!53ab2750!not-for-mail
From: Brian Short <bshort4@cox.net>
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment
Subject: Re: Which to choose IC 746, 756.... Ft 920, Ts 570
Message-ID: <MPG.1776e469cb20b0c989686@news.west.cox.net>
References: <3d0ccfc9_1@news.vogel.pl>
Organization: K7ON
X-Newsreader: MicroPlanet Gravity v2.30
Lines: 35
Date: Sun, 16 Jun 2002 18:06:13 GMT
NNTP-Posting-Host: 68.2.188.147
X-Complaints-To: abuse@cox.net
X-Trace: news1.west.cox.net 1024250773 68.2.188.147 (Sun, 16 Jun 2002 14:06:13 EDT)
NNTP-Posting-Date: Sun, 16 Jun 2002 14:06:13 EDT
Xref: archiver1.google.com rec.radio.amateur:3852 rec.radio.amateur.equipment:30483

I have used the IC-756 and the FT-920. In fact, I use an FT-920 for all of my contest operating activities. The current used prices of the FT-920 make it an excellent choice (definitely less than $1000).

With the release of the IC-756ProII, the 756 has dropped in price and at under $1500 it is a good buy, too.

Personally, I like my FT-920 to which I have added an Inrad CW filter. If you need more flexibility in IF bandwidths (ie. both CW and SSB options) I'd suggest the IC-756 with the flexible IF-DSP filtering.

Unfortunately, the FT-920 fits only a single optional filter (either CW or SSB). Inrad sells a modification kit to allow more than one, but that entails more work and expense.

Have never tried the IC-746 or TS-570.

73, Brian

In article <3d0ccfc9_1@news.vogel.pl>, arek@bbs.net.pl says...
> I am about to buy a radio, but I haven't got any experience. However I am considering to buy one of the radioes mentioned in the subject. I don't know which radio is better so if you have some experience and can help me, please write. I am mostly working on HF and like it the most, so I don't care if the radio will have any other bands. I would like to which of them the best radio for HF is. I'll be pleased to get any kind advice. Thank you in advance.

--
People who think they know it all are annoying

```
to those of us who do.
--
See my web page: http://www.k7on.com/
--



From 3894625788690796074
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5634c9a31fee8c27
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,5634c9a31fee8c27
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,5634c9a31fee8c27
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-06-16 18:51:46 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!cyclone.bc.net!
snoopy.risq.qc.ca!sunqbc.risq.qc.ca!nntp.abs.net!dca6-feed2.news.algx.net!
allegiance!newsfeed1.cidera.com!Cidera!cyclone1.gnilink.net!wn3feed!
worldnet.att.net!bgtnsc04-news.ops.worldnet.att.net.POSTED!not-for-mail
From: "No PC here" <RAJohnGM@worldnet.att.net>
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment
References: <3d0ccfc9_1@news.vogel.pl>
<MPG.1776e469cb20b0c989686@news.west.cox.net>
Subject: Re: Which to choose IC 746, 756.... Ft 920, Ts 570
Lines: 47
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <SgbP8.40709$LC3.3085990@bgtnsc04-news.ops.worldnet.att.net>
Date: Mon, 17 Jun 2002 01:51:46 GMT
NNTP-Posting-Host: 12.84.107.189
X-Complaints-To: abuse@worldnet.att.net
X-Trace: bgtnsc04-news.ops.worldnet.att.net 1024278706 12.84.107.189 (Mon, 17 Jun
2002 01:51:46 GMT)
NNTP-Posting-Date: Mon, 17 Jun 2002 01:51:46 GMT
Organization: AT&T Worldnet
Xref: archiver1.google.com rec.radio.amateur:3854
rec.radio.amateur.equipment:30490

The FT-920 is the best choice. It's an excellent rig which provides the best
bang for the buck.
73, Bob
"Brian Short" <bshort4@cox.net> wrote in message
news:MPG.1776e469cb20b0c989686@news.west.cox.net...
>
> I have used the IC-756 and the FT-920.  In fact, I use an FT-920
> for all of my contest operating activities.  The current used prices
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>
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>
```

```
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>
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>
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>
> In article <3d0ccfc9_1@news.vogel.pl>, arek@bbs.net.pl says...
> > I am about to buy a radio, but I haven't got any experience. However I
am
> > considering to buy one of the radioes mentioned in the subject. I don't
know
> > which radio is better so if you have some experience and can help me,
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> > write. I am mostly working on HF and like it the most, so I don't care
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> > the radio will have any other bands. I would like to which of them the
best
> > radio for HF is.  I'll be pleased to get any kind advice. Thank you in
> > advance.
>
> --
> People who think they know it all are annoying
> to those of us who do.
> --
> See my web page: http://www.k7on.com/
> --




From 2043107161090444156
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,5634c9a31fee8c27
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,5634c9a31fee8c27
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,5634c9a31fee8c27
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-06-18 01:34:22 PST
From: "Tadej Archon - S57NDT" <ted@email.si>
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment
References: <3d0ccfc9_1@news.vogel.pl>
Subject: Re: Which to choose IC 746, 756.... Ft 920, Ts 570
Date: Tue, 18 Jun 2002 10:39:37 +0200
Lines: 27
X-Priority: 3
X-MSMail-Priority: Normal
```

X-Newsreader: Microsoft Outlook Express 5.50.4807.1700
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4807.1700
NNTP-Posting-Host: 195.246.28.134
Message-ID: <3d0ef06b@news.perftech.si>
X-Trace: news.perftech.si 1024389227 195.246.28.134 (18 Jun 2002 10:33:47 +0200)
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
newsfeed.belnet.be!news.belnet.be!news-hub.siol.net!kanja.arnes.si!
news.perftech.si!not-for-mail
Xref: archiver1.google.com rec.radio.amateur:3863
rec.radio.amateur.equipment:30524

Hi Arek, I have ic756 for about 4 years, I think FT-920 is a good buy, but
ic756 is better!
of course few days ago we have tested an ic-746 and ft-920, for my ear is
better the ic746 on the lowest signals, but there was mot so much
difference.

You have another way: You can chose an oldest radio like ic-765, ts-940 for
the same price.

"Arek" <arek@bbs.net.pl> je napisal v sporo�ilo
news:3d0ccfc9_1@news.vogel.pl ...
> I am about to buy a radio, but I haven't got any experience. However I am
> considering to buy one of the radioes mentioned in the subject. I don't
know
> which radio is better so if you have some experience and can help me,
please
> write. I am mostly working on HF and like it the most, so I don't care if
> the radio will have any other bands. I would like to which of them the
best
> radio for HF is. I'll be pleased to get any kind advice. Thank you in
> advance.
>
>

From 3545614111927749549
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4371a1c3bfa5ec88,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,16c13d3ab5be340f
X-Google-Attributes: gid1009ad,public
X-Google-Thread: f55c2,16c13d3ab5be340f
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fa029,16c13d3ab5be340f
X-Google-Attributes: gidfa029,public
X-Google-ArrivalTime: 2002-06-18 01:38:34 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed.cwix.com!prodigy.com!

```
newsmst01.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr16.news.prodigy.com.POSTED!73079d91!not-for-mail
From: "JAMES E COLLINS" <jamesc1@prodigy.net>
Newsgroups: alt.ham-radio.mods,alt.radio.scanner,rec.ham-radio,rec.radio.scanner
Subject: How do I get into service mode on my pro-46?
Lines: 9
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <9XBP8.2069$OR7.86715495@newssvr16.news.prodigy.com>
NNTP-Posting-Host: 67.116.144.17
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr16.news.prodigy.com 1024387909 ST000 67.116.144.17 (Tue, 18 Jun
2002 04:11:49 EDT)
NNTP-Posting-Date: Tue, 18 Jun 2002 04:11:49 EDT
Organization: Prodigy Internet http://www.prodigy.com
X-UserInfo1:
[[PAPDON_JVIRTD[MJ_PJEPE@CTZB\XIDY^LLRMIWIWZEPYAFNS[QCW[RL\DXUGIANEYZEFNNFZ^_KSC[N
VMOSDGKFWEXR@KO@ZJSWWBB\TTPLL_OSG\H]
[CODFOKCJL@DXG[ORM\Q^GVLSRED^K_OW_MCZFGR_HZY_I@A_B\K@BP\PE_TAZ]VDGWVWCP]JM
Date: Tue, 18 Jun 2002 08:11:49 GMT
Xref: archiver1.google.com alt.ham-radio.mods:1706 alt.radio.scanner:26996
rec.radio.scanner:36953

I need to know how you get into service mode on my pro-46 scanner?
It's a combination of keystrokes that enter pre-determined frequencies into
the scanner.
I've attempted to find the info on the web, but all the pages seem to be
removed.
Thanks to any and all who can help.
James




From -7080375747905291480
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4371a1c3bfa5ec88
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f55c2,16c13d3ab5be340f
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fa029,16c13d3ab5be340f
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1009ad,16c13d3ab5be340f
X-Google-Attributes: gid1009ad,public
X-Google-ArrivalTime: 2002-06-18 06:35:01 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!sn-xit-03!sn-post-01!supernews.com!
corp.supernews.com!not-for-mail
From: "Peter Baran" <pbaran@sk.sympatico.ca>
Newsgroups: alt.ham-radio.mods,alt.radio.scanner,rec.ham-radio,rec.radio.scanner
Subject: Re: How do I get into service mode on my pro-46?
```

```
Date: Tue, 18 Jun 2002 07:36:34 -0600
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <ugudo4ek1cva45@corp.supernews.com>
References: <9XBP8.2069$OR7.86715495@newssvr16.news.prodigy.com>
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
X-Complaints-To: newsabuse@supernews.com
Lines: 18
Xref: archiver1.google.com alt.ham-radio.mods:1709 alt.radio.scanner:27000
rec.radio.scanner:36961

http://www.frn.net/tech/mods/qrz/pro51.txt



"JAMES E COLLINS" <jamesc1@prodigy.net> wrote in message
news:9XBP8.2069$OR7.86715495@newssvr16.news.prodigy.com...
> I need to know how you get into service mode on my pro-46 scanner?
> It's a combination of keystrokes that enter pre-determined frequencies
into
> the scanner.
> I've attempted to find the info on the web, but all the pages seem to be
> removed.
> Thanks to any and all who can help.
> James
>
>




From 995948636083839888
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,93c61607e5fbf6e3,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,93c61607e5fbf6e3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1036d7,93c61607e5fbf6e3,start
X-Google-Attributes: gid1036d7,public
X-Google-Thread: 1031c8,93c61607e5fbf6e3,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1156cd,93c61607e5fbf6e3,start
X-Google-Attributes: gid1156cd,public
X-Google-Thread: 1109af,93c61607e5fbf6e3,start
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2002-06-25 19:27:15 PST
From: "North Georgia Web Designs" <ngwd@ngwd.com>
Newsgroups: alabama.birmingham.forsale,alt.ham-
radio.marketplace,atl.forsale,rec.ham-radio,rec.radio.amateur.swap,rec.radio.swap
Subject: WTB: KENWOOD TS-940SAT
Lines: 12
```

```
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <qD9S8.2900$M_4.90612874@newssvr17.news.prodigy.com>
NNTP-Posting-Host: 209.246.190.95
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr17.news.prodigy.com 1025058390 ST000 209.246.190.95 (Tue, 25 Jun
2002 22:26:30 EDT)
NNTP-Posting-Date: Tue, 25 Jun 2002 22:26:30 EDT
Organization: Prodigy Internet http://www.prodigy.com
X-UserInfo1: TSU[@I_A\S@ORUT[JBCHOPP@FJ^ZTB\MV@BD]
\YIJYWZUYICD^RAQBKZQTZTX\_I[^G_KGFNON[ZOE_AZNVO^\XGGNTCIRPIJH[@RQKBXLRZ@CD^HKANYVW
@RLGEZEJN@\_WZJBNZYYKVIOR]T]MNMG_Z[YVWSCH_Q[GPC_A@CARQVXDSDA^M]@DRVUM@RBM
Date: Wed, 26 Jun 2002 02:26:30 GMT
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-05!sn-xit-03!
supernews.com!freenix!feed.ac-versailles.fr!proxad.net!proxad.net!skynet.be!
skynet.be!prodigy.com!newsmst01.news.prodigy.com!prodigy.com!
postmaster.news.prodigy.com!newssvr17.news.prodigy.com.POSTED!4fdd45a1!not-for-
mail
Xref: archiver1.google.com alabama.birmingham.forsale:2092 alt.ham-
radio.marketplace:10099 rec.radio.amateur.swap:3047 rec.radio.swap:68407
```

Thanks for reading my message. I'm looking to purchase (Via Paypal Only Please) A Excellent Condition Kenwood TS-940SAT

Please email directly to ngwd@ngwd.com what you have for sale, price and what's included. Special attention/consideration given to rigs with the upgrade mods already performed as well as other extras that you have with the rig, such as SP-940, SM-220 etc. Please advise via email ONLY.

73 Daniel KC4OXP

```
From -2100122672662719977
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a0b66bba2e077cf,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,6a0b66bba2e077cf,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,6a0b66bba2e077cf,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,6a0b66bba2e077cf,start
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2002-07-08 15:17:17 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!bloom-
beacon.mit.edu!newsswitch.lcs.mit.edu!newsxfer.visi.net!204.186.200.232.MISMATCH!
ptdnetT!newsgateT.ptd.net!ptdnetS!newsgate.ptd.net!nnrp1.ptd.net.POSTED!not-for-
mail
From: 1ARTB <rbouder@dejazzd.com>
```

Newsgroups: rec.radio.swap,rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.swap
Subject: FS - Icom IC27-H 2 meter Transceiver
Message-ID: <k02kiu4e29fugj3do30aoq22vd0fm1e66t@4ax.com>
X-Newsreader: Forte Agent 1.7/32.534
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 15
Date: Mon, 08 Jul 2002 22:08:01 GMT
NNTP-Posting-Host: 66.109.236.3
X-Complaints-To: abuse@dejazzd.com
X-Trace: nnrp1.ptd.net 1026166081 66.109.236.3 (Mon, 08 Jul 2002 18:08:01 EDT)
NNTP-Posting-Date: Mon, 08 Jul 2002 18:08:01 EDT
Organization: D&E Communications http://www.decommunications.com
Xref: archiver1.google.com rec.radio.swap:69512 rec.radio.amateur.equipment:31147 rec.radio.amateur.swap:3106

Icom IC 27-H 2 meter 144 - 148 Mhz transceiver.
H - high power 45 watts
mobile bracket - 16 button DTMF microphone plus UP + DOWN
frequency agile - speech synthesizer - UT-16 voice unit
Has memories and FOR A / VFO B
Scans memories - busy - open - band scan etc..all the regular stuff
PL Encode Tones 67.0 to 256.3 + other "test" tones
User Manual

$110 shipped to your door (USA) & insured

Pictures upon request.... (I will take some)!!

From -3205427210129570186
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,72db9e63be27ea35,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,72db9e63be27ea35,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,72db9e63be27ea35,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: f76e2,72db9e63be27ea35,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,72db9e63be27ea35,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,72db9e63be27ea35,start
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2002-07-09 06:59:38 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-06!supernews.com!news-xfer.siscom.net!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed1.cidera.com!Cidera!cyclone.nyroc.rr.com!cyclone-out.nyroc.rr.com!

```
twister.nyroc.rr.com.POSTED!not-for-mail
From: "Radio Haven" <radiohaven@aol.com>
Newsgroups: alt.ham-radio.hf,alt.ham-radio.marketplace,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur.swap,rec.radio.swap
Subject: 2002 ARRL  Handbook
Lines: 6
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <n_BW8.123885$GY.41929467@twister.nyroc.rr.com>
Date: Tue, 09 Jul 2002 13:58:43 GMT
NNTP-Posting-Host: 24.58.216.70
X-Complaints-To: abuse@rr.com
X-Trace: twister.nyroc.rr.com 1026223123 24.58.216.70 (Tue, 09 Jul 2002 09:58:43
EDT)
NNTP-Posting-Date: Tue, 09 Jul 2002 09:58:43 EDT
Organization: Road Runner
Xref: archiver1.google.com alt.ham-radio.hf:2252 alt.ham-radio.marketplace:10249
rec.ham-radio.swap:1891 rec.radio.amateur.swap:3114 rec.radio.swap:69553

1 New Unopened 2002 ARRL Hand Book. 34.95 Cover Price, $25.00 Shipped Lower
48.

radiohaven@aol.com





From -5843467259158853883
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,fd17e47601e1afeb
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,fd17e47601e1afeb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,fd17e47601e1afeb
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2001-12-01 16:09:54 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!sn-xit-01!
supernews.com!newshub2.rdc1.sfba.home.com!news.home.com!
news2.nash1.tn.home.com.POSTED!not-for-mail
Message-ID: <3C0971E1.ED4EBF03@home.com>
From: Leland Cox <lcox107@home.com>
X-Mailer: Mozilla 4.75 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.radio.swap
Subject: Re: Paypal
References: <aadO7.70769$Ze5.40209307@news1.rdc1.md.home.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 12
Date: Sun, 02 Dec 2001 00:09:54 GMT
```

```
NNTP-Posting-Host: 67.163.2.47
X-Complaints-To: abuse@home.net
X-Trace: news2.nash1.tn.home.com 1007251794 67.163.2.47 (Sat, 01 Dec 2001 16:09:54
PST)
NNTP-Posting-Date: Sat, 01 Dec 2001 16:09:54 PST
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com alt.ham-radio.marketplace:6942 rec.radio.swap:50400

Talk to ebay!

Richard Malone wrote:
>
> Recently I remember seeing a post about problems with Paypal.  A few weeks
> ago, I purchased a Icom ht off of Ebay.  The seller (another ham operator)
> asked to be paid with Paypal.  When I received the radio, it had no output
> power.  He now says it's an old radio, what did I expect.  I have been
> through the Square Trade process which is a joke.  What other recourse is
> there with Paypal?  Any experiences out there?
>
> Richard, n3fif


From 5685222119503574207
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,fd17e47601e1afeb
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,fd17e47601e1afeb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,fd17e47601e1afeb
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2001-12-01 17:41:06 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-post-01!supernews.com!
corp.supernews.com!not-for-mail
From: "KK4RB" <emoryp@friendlycity.net>
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.radio.swap
Subject: Re: Paypal
Date: Sat, 1 Dec 2001 20:40:29 -0800
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <u0j1lhksuacee7@corp.supernews.com>
References: <aadO7.70769$Ze5.40209307@news1.rdc1.md.home.com>
<3C0971E1.ED4EBF03@home.com>
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
X-Complaints-To: newsabuse@supernews.com
Lines: 22
Xref: archiver1.google.com alt.ham-radio.marketplace:6946 rec.radio.swap:50407

No Gud!To talk to Pay-Pal, I had a $1000.00 Deal to go bad and they never
helped me at all!
"Leland Cox" <lcox107@home.com> wrote in message
news:3C0971E1.ED4EBF03@home.com...
```

```
> Talk to ebay!
>
> Richard Malone wrote:
> >
> > Recently I remember seeing a post about problems with Paypal.  A few
weeks
> > ago, I purchased a Icom ht off of Ebay.  The seller (another ham
operator)
> > asked to be paid with Paypal.  When I received the radio, it had no
output
> > power.  He now says it's an old radio, what did I expect.  I have been
> > through the Square Trade process which is a joke.  What other recourse
is
> > there with Paypal?  Any experiences out there?
> >
> > Richard, n3fif
```

```
From -6162750118026544022
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,fd17e47601e1afeb
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,fd17e47601e1afeb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,fd17e47601e1afeb
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2001-12-01 18:07:13 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!news-xfer.siscom.net!
nntp2.aus1.giganews.com!nntp.giganews.com!nntp3.aus1.giganews.com!
bin5.nnrp.aus1.giganews.com.POSTED!not-for-mail
From: "Bob" <balbert@cnmnetwork.com>
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.radio.swap
References: <aadO7.70769$Ze5.40209307@news1.rdc1.md.home.com>
<3C0971E1.ED4EBF03@home.com> <u0j1lhksuacee7@corp.supernews.com>
Subject: Re: Paypal
Lines: 6
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <41gO7.15049$tf5.914171@bin5.nnrp.aus1.giganews.com>
NNTP-Posting-Date: Sat, 01 Dec 2001 20:06:56 CST
Organization: Giganews.Com - Premium News Outsourcing
X-Trace: sv3-
Mu7IcuYfIlJz94IB1Us8ilkSCgMAJQhd3VotffRTSjATzMe2I5/1bYdvPlxGVBwyHZvSa756ylycDwu!
4V4z8wEfGkQiN/yzb4o8BFIbQ5IvukZGymC2ZP3azCxsrt5Bjd2jpIC3fBcs1blSQgrzu7+gMaDv!
QexUBgSTet224dARZrNiv0acnQa5YfNdLuEy
X-Complaints-To: abuse@GigaNews.Com
X-DMCA-Notifications: http://www.giganews.com/info/dmca.html
X-Abuse-Info: Please be sure to forward a copy of ALL headers
```

```
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
Date: Sun, 02 Dec 2001 02:06:56 GMT
Xref: archiver1.google.com alt.ham-radio.marketplace:6948 rec.radio.swap:50411
```

I have had nothing but grief from PayPal. I always tell people not to use
it.

73, Bob K6DDX

```
From 5246843351819475908
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,fd17e47601e1afeb
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,fd17e47601e1afeb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,fd17e47601e1afeb
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2001-12-01 18:25:42 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
logbridge.uoregon.edu!feed2.news.rcn.net!rcn!chnws02.mediaone.net!
chnws06.ne.mediaone.net!24.91.0.34!typhoon.ne.mediaone.net.POSTED!not-for-mail
Message-ID: <3C099162.6050105@mediaone.net>
From: John Adamson <josttech@mediaone.net>
User-Agent: Mozilla/5.0 (X11; U; Linux i686; en-US; rv:0.9.4) Gecko/20010914
X-Accept-Language: en-us
MIME-Version: 1.0
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.radio.swap
Subject: Re: Paypal
References: <aadO7.70769$Ze5.40209307@news1.rdc1.md.home.com>
<3C0971E1.ED4EBF03@home.com> <u0j1lhksuacee7@corp.supernews.com>
<41gO7.15049$tf5.914171@bin5.nnrp.aus1.giganews.com>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
Lines: 18
Date: Sun, 02 Dec 2001 02:24:33 GMT
NNTP-Posting-Host: 24.61.66.111
X-Complaints-To: abuse@mediaone.net
X-Trace: typhoon.ne.mediaone.net 1007259873 24.61.66.111 (Sat, 01 Dec 2001
21:24:33 EST)
NNTP-Posting-Date: Sat, 01 Dec 2001 21:24:33 EST
Organization: ATT Broadband
Xref: archiver1.google.com alt.ham-radio.marketplace:6949 rec.radio.swap:50414
```

Paypal is one big JOKE!

I have lost money because they gave it to the wrong
person and said...... "sorry about that"!!!!

John w1hzh

Bob wrote:

> I have had nothing but grief from PayPal. I always tell people not to use
> it.
>
> 73, Bob K6DDX
>
>
>

```
From 2248178387962826830
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,fd17e47601e1afeb
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,fd17e47601e1afeb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,fd17e47601e1afeb
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2001-12-01 18:27:05 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!news.tele.dk!
small.news.tele.dk!207.115.63.138!newscon04.news.prodigy.com!
newsmst01.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr12.news.prodigy.com.POSTED!not-for-mail
Message-ID: <3C09AD5F.807F8EEF@swbell.net>
From: w5vj <w5vj@swbell.net>
X-Mailer: Mozilla 4.77 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.radio.swap
Subject: Re: Paypal
References: <aadO7.70769$Ze5.40209307@news1.rdc1.md.home.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 10
NNTP-Posting-Host: 208.189.60.94
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr12.news.prodigy.com 1007259862 ST000 208.189.60.94 (Sat, 01 Dec
2001 21:24:22 EST)
NNTP-Posting-Date: Sat, 01 Dec 2001 21:24:22 EST
Organization: Prodigy Internet http://www.prodigy.com
X-UserInfo1: [[PAPDCA[S@]S\Q[DBCB^]
\@PJ_^PBQLGPQRZ\YIJYWZUYICD^RAQBKZQTZTX\_I[^G_KGFNON[ZOE_AZNVO^\XGGNTCIRPIJH[@RQKB
XLRZ@CD^HKANYVW@RLGEZEJN@\_WZJBNZYYKVIOR]T]MNMG_Z[YVWSCH_Q[GPC_A@CARQVXDSDA^M]@DRV
UM@RBM
Date: Sun, 02 Dec 2001 02:24:22 GMT
Xref: archiver1.google.com alt.ham-radio.marketplace:6950 rec.radio.swap:50415
```

PayPal owes me $37.00 and has for about a year.

They won't pay me because I refuse to give them my banking information and/or a copy of my driver's license.

I'll never do business with them and would suggest you don't either.

GoodLuck

```
From -3303482115544427696
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,fd17e47601e1afeb
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,fd17e47601e1afeb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,fd17e47601e1afeb
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2001-12-01 19:28:08 PST
From: <nancyk@nwlink.com>
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.radio.swap
References: <aad07.70769$Ze5.40209307@news1.rdc1.md.home.com>
Subject: Re: Paypal
Date: Sat, 1 Dec 2001 19:31:48 -0800
Lines: 36
X-Newsreader: Microsoft Outlook Express 4.72.3612.1700
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3612.1700
NNTP-Posting-Host: ip87.r6.d.bel.nwlink.com
Message-ID: <3c099f7d_1@news.nwlink.com>
X-Trace: 1 Dec 2001 19:26:53 -0800, ip87.r6.d.bel.nwlink.com
Organization: Northwest Link
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!bloom-
beacon.mit.edu!newsswitch.lcs.mit.edu!sunqbc.risq.qc.ca!newsfeed.newzpig.com!
nntp4.savvis.net!newsfeed.nwlink.com!209.20.130.44.MISMATCH!news.nwlink.com
Xref: archiver1.google.com alt.ham-radio.marketplace:6951 rec.radio.swap:50423
```

Here is a small bit of advice:

Ebay couls care less about you as a buyer. I have been the route with ebay with a poorly communicating seller. While i got my goods, ebay did NOT want to send the seller an email to make sure they were satisifed with the transaction. We got there when the seller did a NPB on me instead of just andswering an email question from me. Ebay customer service is a joke.

If you want to deal with this ham, here is what i would do:

monitor EVERY aution he does, and email every seller about what he did to you. Let everyone on the airt know how you were stiffed. Let him know you will do this, and ask him if he really wants a bad name out there.

ALSO, if you have VISA or Mastercard, you can get the charge reversed. You may then have to cancel and get a new number for your card, as PayPal will keep coming after you from what i understand.

```
good luck,

dan (on wife's signon so don;t write here)

Richard Malone wrote in message ...
>Recently I remember seeing a post about problems with Paypal.  A few weeks
>ago, I purchased a Icom ht off of Ebay.  The seller (another ham operator)
>asked to be paid with Paypal.  When I received the radio, it had no output
>power.  He now says it's an old radio, what did I expect.  I have been
>through the Square Trade process which is a joke.  What other recourse is
>there with Paypal?  Any experiences out there?
>
>Richard, n3fif
>
>
>




From -1595721686696595582
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,fd17e47601e1afeb
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,fd17e47601e1afeb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,fd17e47601e1afeb
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2001-12-02 09:04:15 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newsfeed1.cidera.com!Cidera!cyclone.socal.rr.com!
cyclone3.kc.rr.com!news3.kc.rr.com!typhoon.kc.rr.com.POSTED!not-for-mail
From: "Keith Beckmann" <Kbeckmann.spankme@wi.rr.com>
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.radio.swap
References: <aadO7.70769$Ze5.40209307@news1.rdc1.md.home.com>
Subject: Re: Paypal
Lines: 47
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <vatO7.1286363$si5.61342037@typhoon.kc.rr.com>
Date: Sun, 02 Dec 2001 17:04:27 GMT
NNTP-Posting-Host: 65.31.188.27
X-Complaints-To: abuse@rr.com
X-Trace: typhoon.kc.rr.com 1007312667 65.31.188.27 (Sun, 02 Dec 2001 11:04:27 CST)
NNTP-Posting-Date: Sun, 02 Dec 2001 11:04:27 CST
Xref: archiver1.google.com alt.ham-radio.marketplace:6957 rec.radio.swap:50461

Take a look at the auction.  Did it say "as-is"?  If so, your stuck!  You
shouldn't even post a negative feedback about this on ebay.

You have to be careful with these as-is auctions.  It means you will accept
the item in any state it happens to be in, which means you should be bidding
at salvage rate.
```

If the seller stated the item was working in the auction, then you will have some recourse with ebay. Try to remedy the situation with the seller via e-mail, and if that fails, get his phone number from ebay and call him. Many people will fold when you confront them directly, instead of hiding behind e-mail. Be very factual and courteous, as in "your auction stated the unit was working, but it is not. I expect you to accept this unit back and refund my money". If not, tell the seller you will be posting a negative feedback on ebay, again be courteous and completely factual.

If all this fails, you can file a fraud complaint with ebay, 30 days after the auction ended. This will prompt ebay to e-mail the seller with your complaint, and require a response. Again be only factual. If this does not get resolved through this process, 30 days later you can file an insurance claim with ebay, and get you money back, minus $25 ($250 max I think). You have a maximum of 90 days from the auction close to do this.

Again all this is based on some fraud by the seller. If he stated the auction was as-is, or something similar, your stuck!

As for PayPal, if you paid via credit card, you can reverse the charges through your credit card company, but this is also assuming there is some fraud involved.

"Richard Malone" <malone1956@home.net> wrote in message
news:aadO7.70769$Ze5.40209307@news1.rdc1.md.home.com...
> Recently I remember seeing a post about problems with Paypal. A few weeks
> ago, I purchased a Icom ht off of Ebay. The seller (another ham operator)
> asked to be paid with Paypal. When I received the radio, it had no output
> power. He now says it's an old radio, what did I expect. I have been
> through the Square Trade process which is a joke. What other recourse is
> there with Paypal? Any experiences out there?
>
> Richard, n3fif
>
>
>

From 5991676492209682639
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,fd17e47601e1afeb
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,fd17e47601e1afeb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,fd17e47601e1afeb
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2001-12-02 10:58:29 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-

```
spur1.maxwell.syr.edu!news.maxwell.syr.edu!feed.news.qwest.net!
news.uswest.net.POSTED!not-for-mail
Message-ID: <3C0A79D3.C7348FCB@yahoo.com>
From: Ronald Oberloh <wa0kds@yahoo.com>
Reply-To: wa0kds@arrl.net
X-Mailer: Mozilla 4.75 [en] (Win95; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.radio.swap
Subject: Re: Paypal
References: <aadO7.70769$Ze5.40209307@news1.rdc1.md.home.com>
<3C09AD5F.807F8EEF@swbell.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 13
Date: Sun, 02 Dec 2001 11:58:27 -0700
NNTP-Posting-Host: 208.176.168.33
X-Trace: news.uswest.net 1007319508 208.176.168.33 (Sun, 02 Dec 2001 12:58:28 CST)
NNTP-Posting-Date: Sun, 02 Dec 2001 12:58:28 CST
Xref: archiver1.google.com alt.ham-radio.marketplace:6958 rec.radio.swap:50473

I won't give you money either if I was them if you would not give me some ID.

w5vj wrote:

> PayPal owes me $37.00 and has for about a year.
>
> They won't pay me because I refuse to give them my banking information and/or
> a copy of my driver's license.
>
> I'll never do business with them and would suggest you don't either.
>
> GoodLuck



From 4897653305993178933
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f413666b4df2f21a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,f413666b4df2f21a,start
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,f413666b4df2f21a,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,f413666b4df2f21a,start
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2001-12-04 04:51:20 PST
Message-ID: <3C0CC691.B139EE3B@ev1.net>
Date: Tue, 04 Dec 2001 06:50:25 -0600
From: wd5hni@ev1.net
X-Mailer: Mozilla 4.7 [en]C-CCK-MCD EZN47  (Win98; I)
X-Accept-Language: en
MIME-Version: 1.0
```

```
Newsgroups: rec.radio.swap,rec.ham-radio,rec.ham-radio.swap,alt.radio.amateur
Subject: FS: Icom IC-2350 Dual bander
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
NNTP-Posting-Host: 216.40.192.252
X-Trace: newsa.ev1.net 1007470125 216.40.192.252 (4 Dec 2001 06:48:45 -0600)
Lines: 7
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!nnxp1.twtelecom.net!newsa.ev1.net
Xref: archiver1.google.com rec.radio.swap:50724 rec.ham-radio.swap:1322

Icom 2350 sale!     lost interest,   almost in mint condx.    Have box,
manual, mic, cord,  etc.    $280 shipped CONUS    contact Steve wd5hni
at
hogman@ev1.net

thanks,   73   Steve wd5hni




From 7342704151522821619
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,33630a9fc33f28e9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,33630a9fc33f28e9,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108778,33630a9fc33f28e9,start
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,33630a9fc33f28e9,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2001-12-04 04:54:51 PST
Message-ID: <3C0CC768.34B4963C@ev1.net>
Date: Tue, 04 Dec 2001 06:54:00 -0600
From: wd5hni@ev1.net
X-Mailer: Mozilla 4.7 [en]C-CCK-MCD EZN47  (Win98; I)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.radio.swap,rec.ham-radio,rec.ham-radio.swap,alt.radio.amateur
Subject: FS: Yaesu FT-7200 UHF rig
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
NNTP-Posting-Host: 216.40.192.252
X-Trace: newsa.ev1.net 1007470340 216.40.192.252 (4 Dec 2001 06:52:20 -0600)
Lines: 8
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!nnxp1.twtelecom.net!newsa.ev1.net
Xref: archiver1.google.com rec.radio.swap:50725 rec.ham-radio.swap:1323

Yaesu FT-7200 for sale,    it too almost in mint condx.    Lost
interest,   Have complete setup,  everything,  mic, bracket,  cord,
box,  manual,   etc.    Shipped  to your door,   CONUS   $250
Contact  Steve  wd5hni  at     "hogman@ev1.net"
```

thanks,   Steve wd5hni

```
From 2336873749461881677
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca1f223c0ccb731d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,ca1f223c0ccb731d
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,ca1f223c0ccb731d
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2001-12-04 17:58:45 PST
Message-ID: <3C0D7F2B.75230D67@ev1.net>
Date: Tue, 04 Dec 2001 19:58:04 -0600
From: hogman01flhr01@ev1.net
X-Mailer: Mozilla 4.7 [en]C-CCK-MCD EZN47  (Win98; I)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.radio.swap,rec.ham-radio,rec.ham-radio.swap
Subject: Re: FS: Omni 6 "SOLD"
References: <3C0855F4.9E05367F@ev1.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
NNTP-Posting-Host: twhou-207-218-204-251.ev1.net
X-Trace: newsa.ev1.net 1007517402 twhou-207-218-204-251.ev1.net (4 Dec 2001
19:56:42 -0600)
Lines: 17
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!nnxp1.twtelecom.net!newsa.ev1.net
Xref: archiver1.google.com rec.radio.swap:50808 rec.ham-radio.swap:1327
```

Rig, has been sold!   thanks to all who call, and mailed me.

wd5hni,,

hogman01flhr@ev1.net wrote:

> Have a Omni 6 plus loaded!   Original omni upgraded to 6 plus,   with
> all papers showing documentation.   Have ssb, cw filters, in super
> shape, Will include the TT #705 desk mic with the deal!   Shipped to
> your door $1450.   No trades.
>
> thanks,   Steve   WD5HNI
>
> reply to mail to me   at   "hogman@ev1.net"   only.....
>
> tnx, 73's

```
From -4876086507530257302
```

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c7e5dbb1e72b3b3f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,c7e5dbb1e72b3b3f,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1109af,c7e5dbb1e72b3b3f,start
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2001-12-05 04:57:48 PST
Message-ID: <3C0E19A3.3E2B1DFD@ev1.net>
Date: Wed, 05 Dec 2001 06:57:07 -0600
From: hogman01flhr@ev1.net
X-Mailer: Mozilla 4.7 [en]C-CCK-MCD EZN47  (Win98; I)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.radio.swap,rec.ham-radio,rec.radio.amateur
Subject: FS: Heil BM-10 for Ten Tec
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
NNTP-Posting-Host: 216.40.192.58
X-Trace: newsa.ev1.net 1007556930 216.40.192.58 (5 Dec 2001 06:55:30 -0600)
Lines: 10
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!nnxp1.twtelecom.net!newsa.ev1.net
Xref: archiver1.google.com rec.radio.swap:50845 rec.radio.amateur:2703
```

Hey all!   Sold the Omni hr so I dont need to boom mic for a Ten Tec.
good shape,   seldom used. have all papers, wired now for Ten Tec,
could be wired for any rig for that matter!   Has the HC-5 mic element
in it!   shipped to your door. $60 .   Postal money is fine.
contact Steve wd5hni at   "hogman@ev1.net"
Or Im good on QRZ mail.

thanks,   73's   Steve wd5hni....

```
From -713742904612451948
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a69c370052d962c7,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,a69c370052d962c7,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,a69c370052d962c7,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-12-05 13:06:01 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!priapus.visi.com!news-out.visi.com!hermes.visi.com!
newsfeeds-atl2!newsfeeds-atl1.usenetserver.com!e3500-atl1.usenetserver.com.POSTED!
53ab2750!not-for-mail
Message-ID: <3C0E8B82.79878860@bellsouth.net>
From: Van DeWald <dewald@bellsouth.net>
Reply-To: dewald@bellsouth.net
```

```
X-Mailer: Mozilla 4.75 [en]C-bls40  (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.ham-radio,alt.ham-radio,rec.radio.amateur
Subject: Logging Software
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 14
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Wed, 05 Dec 2001 15:57:40 EST
Organization: BELLSOUTH.net
Date: Wed, 05 Dec 2001 16:02:58 -0500
Xref: archiver1.google.com rec.radio.amateur:2704
```

Looking for a good logging software, so that I can make notes of the QSO I conduct. Right now, I'm only chatting on 2 meters, but find it interesting to make notes in my log about the date, time, frequency, and details about the QSO itself. It would be a simple enough program. Does not need to be used for contesting, or anything such as that, but just to log the contacts, and so that I could search quickly to recall QSO's, etc. Any ideas? I spose I could come up with something on my own, but if there is a simple logging program out there, I'd save myself from reinventing the wheel.

Thanks,

Van, KG4PTM

```
From 8805902210898548338
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a69c370052d962c7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,a69c370052d962c7
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,a69c370052d962c7
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-12-05 18:53:57 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!wn1feed!wn2feed!worldnet.att.net!204.127.198.203!
attbi_feed3!attbi.com!rwcrnsc52.POSTED!not-for-mail
From: "rhansmeier" <rhansmeier@attbi.com>
Newsgroups: rec.ham-radio,alt.ham-radio,rec.radio.amateur
References: <3C0E8B82.79878860@bellsouth.net>
Subject: Re: Logging Software
Lines: 26
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4807.1700
```

```
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4807.1700
Message-ID: <55BP7.814$ER5.94006@rwcrnsc52>
Date: Thu, 06 Dec 2001 02:53:53 GMT
NNTP-Posting-Host: 204.127.202.212
X-Complaints-To: abuse@attbi.com
X-Trace: rwcrnsc52 1007607233 204.127.202.212 (Thu, 06 Dec 2001 02:53:53 GMT)
NNTP-Posting-Date: Thu, 06 Dec 2001 02:53:53 GMT
Organization: AT&T Broadband
Xref: archiver1.google.com rec.radio.amateur:2705

Try XMLog. It is FreeWare and is one fine logging program. I have over 4000
qso's in mine now and it is just excellent. There are always new bells and
whistles being added. Go to:  http://www.xmlog.com and it yours for the
download.
K7FU


"Van DeWald" <dewald@bellsouth.net> wrote in message
news:3C0E8B82.79878860@bellsouth.net...
> Looking for a good logging software, so that I can make notes of the
> QSO I conduct.  Right now, I'm only chatting on 2 meters, but find it
> interesting to make notes in my log about the date, time, frequency,
> and details about the QSO itself.  It would be a simple enough
> program.  Does not need to be used for contesting, or anything such
> as that, but just to log the contacts, and so that I could search
> quickly to recall QSO's, etc.  Any ideas?  I spose I could come up
> with something on my own, but if there is a simple logging program
> out there, I'd save myself from reinventing the wheel.
>
> Thanks,
>
> Van, KG4PTM
>
>




From -2874519799671607753
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a69c370052d962c7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,a69c370052d962c7
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,a69c370052d962c7
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-12-06 11:38:45 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!news.uunet.ca!nf3.bellglobal.com!
border1.nntp.aus1.giganews.com!nntp.giganews.com!nntp3.aus1.giganews.com!
news2.aus1.giganews.com.POSTED!not-for-mail
Message-ID: <3C0FC945.64D19EC6@olywa.net>
From: David KD7KQD and Sandy KD7LIN <nemo@olywa.net>
```

X-Mailer: Mozilla 4.51 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.ham-radio,alt.ham-radio,rec.radio.amateur
Subject: Re: Logging Software
References: <3C0E8B82.79878860@bellsouth.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 20
NNTP-Posting-Date: Thu, 06 Dec 2001 13:38:28 CST
Organization: Giganews.Com - Premium News Outsourcing
X-Trace: sv3-kimrvBkRK7TrAE9LbViw/LP2UtDU///
F1DsTfnPqI3TICJs3ruRFNrHGOBYuSAQupf+x5irpcroCTpW!1l7Oz1L0SeXGFAXBVotm/
6AucNL9BzknA5MbZaObE0fCH/QVMoLVQngQZd0=
X-Complaints-To: abuse@GigaNews.Com
X-DMCA-Notifications: http://www.giganews.com/info/dmca.html
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
Date: Thu, 06 Dec 2001 19:38:28 GMT
Xref: archiver1.google.com rec.radio.amateur:2710

Check out XMLOG or VQLOG. Both are simple and cheap.

David KD7KQD

Van DeWald wrote:

> Looking for a good logging software, so that I can make notes of the
> QSO I conduct. Right now, I'm only chatting on 2 meters, but find it
> interesting to make notes in my log about the date, time, frequency,
> and details about the QSO itself. It would be a simple enough
> program. Does not need to be used for contesting, or anything such
> as that, but just to log the contacts, and so that I could search
> quickly to recall QSO's, etc. Any ideas? I spose I could come up
> with something on my own, but if there is a simple logging program
> out there, I'd save myself from reinventing the wheel.
>
> Thanks,
>
> Van, KG4PTM

From -8639480600427695508
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a69c370052d962c7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,a69c370052d962c7
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,a69c370052d962c7
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-12-06 13:56:34 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!news.tele.dk!

small.news.tele.dk!4.1.16.34!cpk-news-hub1.bbnplanet.com!news.gtei.net!
newshub2.home.com!news.home.com!news3.rdc1.on.home.com.POSTED!not-for-mail
Message-ID: <3C0FE99A.B56DFCE9@home.com>
From: James Alexander <james-m-alexander@home.com>
X-Mailer: Mozilla 4.72 [en] (Win95; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.ham-radio,alt.ham-radio,rec.radio.amateur
Subject: Re: Logging Software
References: <3C0E8B82.79878860@bellsouth.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 25
Date: Thu, 06 Dec 2001 21:56:33 GMT
NNTP-Posting-Host: 24.112.238.71
X-Complaints-To: abuse@home.net
X-Trace: news3.rdc1.on.home.com 1007675793 24.112.238.71 (Thu, 06 Dec 2001 13:56:33 PST)
NNTP-Posting-Date: Thu, 06 Dec 2001 13:56:33 PST
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com rec.radio.amateur:2711

try the following spots:
www.arrl.org
www.rac.org
www.qrz.com

You could fill in what your computer setup is just to be sure what you end up with will run on your system.. This sort of software should be available though, I've found it from mac to windows to atari st even.

Van DeWald wrote:

> Looking for a good logging software, so that I can make notes of the QSO I conduct. Right now, I'm only chatting on 2 meters, but find it interesting to make notes in my log about the date, time, frequency, and details about the QSO itself. It would be a simple enough program. Does not need to be used for contesting, or anything such as that, but just to log the contacts, and so that I could search quickly to recall QSO's, etc. Any ideas? I spose I could come up with something on my own, but if there is a simple logging program out there, I'd save myself from reinventing the wheel.
>
> Thanks,
>
> Van, KG4PTM

From -3498158320129245084
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,153ed6e51fde8b00,start
X-Google-Attributes: gid10c9e3,public

```
X-Google-Thread: fddbf,153ed6e51fde8b00,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fa656,153ed6e51fde8b00,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-12-06 14:04:25 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!news.home.com!
news3.rdc1.on.home.com.POSTED!not-for-mail
Message-ID: <3C0FEB72.24184457@home.com>
From: James Alexander <james-m-alexander@home.com>
X-Mailer: Mozilla 4.72 [en] (Win95; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.ham-radio.packet
Subject: Looking for AX.25 source code
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 9
Date: Thu, 06 Dec 2001 22:04:24 GMT
NNTP-Posting-Host: 24.112.238.71
X-Complaints-To: abuse@home.net
X-Trace: news3.rdc1.on.home.com 1007676264 24.112.238.71 (Thu, 06 Dec 2001
14:04:24 PST)
NNTP-Posting-Date: Thu, 06 Dec 2001 14:04:24 PST
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com rec.radio.amateur:2712
```

Hi everyone,

I'm looking to write my own ax.25 software (on Atari ST) and wondering
if theres any software out there for which source code is available that
I could use as an example?

thanks
James

```
From -214158997038791859
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,153ed6e51fde8b00
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,153ed6e51fde8b00
X-Google-Attributes: gidfa656,public
X-Google-Thread: fddbf,153ed6e51fde8b00
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 2001-12-06 14:57:08 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!news.home.com!
news1.rdc1.md.home.com.POSTED!not-for-mail
From: "D. Wilburn" <#wilburnd#@#nortelnetworks#.com#>
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.ham-radio.packet
References: <3C0FEB72.24184457@home.com>
```

Subject: Re: Looking for AX.25 source code
Lines: 23
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4807.1700
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4807.1700
Message-ID: <7JSP7.100083$Ze5.47304293@news1.rdc1.md.home.com>
Date: Thu, 06 Dec 2001 22:57:07 GMT
NNTP-Posting-Host: 64.232.236.99
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.md.home.com 1007679427 64.232.236.99 (Thu, 06 Dec 2001 14:57:07 PST)
NNTP-Posting-Date: Thu, 06 Dec 2001 14:57:07 PST
Organization: @Work Internet powered by @Home Network
Xref: archiver1.google.com rec.radio.amateur:2713

Have you tried looking through the Linux information?

http://www.linux.org/docs/ldp/howto/AX25-HOWTO/index.html

--
David Wilburn
KG4PMN
Toano, Virginia USA

"James Alexander" <james-m-alexander@home.com> wrote in message news:3C0FEB72.24184457@home.com...
> Hi everyone,
>
> I'm looking to write my own ax.25 software (on Atari ST) and wondering
> if theres any software out there for which source code is available that
> I could use as an example?
>
> thanks
> James
>

From 9018186329198762490
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b51142be48ae324,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,b51142be48ae324,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,b51142be48ae324,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2001-12-07 20:34:41 PST
Message-ID: <3C119835.C694F2CA@ev1.net>
Date: Fri, 07 Dec 2001 22:33:57 -0600
From: "hogman$"@ev1.net

```
X-Mailer: Mozilla 4.7 [en]C-CCK-MCD EZN47  (Win98; I)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.swap,rec.ham-radio.swap
Subject: 756 Keying Titan Amp???!
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
NNTP-Posting-Host: 207.173.217.51
X-Trace: newsa.ev1.net 1007785947 207.173.217.51 (7 Dec 2001 22:32:27 -0600)
Lines: 12
X-Authenticated-User: hogman
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!nnxp1.twtelecom.net!newsa.ev1.net
Xref: archiver1.google.com rec.radio.swap:51146 rec.ham-radio.swap:1335

Hey all!    Just hooking up my Icom 756,  not pro to my Titan amp hr,
(425)  and can't seem to key the amp correctly!    hooked up just like
the manual says!   any tricks I need to know about here!   Any
suggestions.   I have really on one send jack on back of the 756 rig
here,    the titan has have two connections hooked up to key the amp?...

Any comments hr?....

tnx,   people!     Steve in TX    wd5hni.

 mail is  "hogman@ev1.net"




From 4652311887311423962
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,fd17e47601e1afeb
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,fd17e47601e1afeb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,fd17e47601e1afeb
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2001-12-08 08:26:17 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!news-out.visi.com!hermes.visi.com!
newsfeeds-atl2!newsfeeds-atl1.usenetserver.com!e420r-atl1.usenetserver.com.POSTED!
not-for-mail
From: "Larry W9MDX" <larry@w9mdx.com>
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.radio.swap
References: <aadO7.70769$Ze5.40209307@news1.rdc1.md.home.com>
<vatO7.1286363$si5.61342037@typhoon.kc.rr.com>
Subject: Re: Paypal
Lines: 98
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <E6rQ7.96904$lV4.12901904@e420r-atl1.usenetserver.com>
```

X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Sat, 08 Dec 2001 11:21:56 EST
Organization: WebUseNet Corp. - "ReInventing The UseNet"
Date: Sat, 8 Dec 2001 11:26:18 -0500
Xref: archiver1.google.com alt.ham-radio.marketplace:7058 rec.radio.swap:51200

Keith, I beg to differ with you!

If someone describes their unit as "MINT" or "LIKE NEW" or "EXCELLENT" or whatever and then says "AS IS", I believe (as do the courts) that he has a responsibility that goes deeper thanif he said "guys it looks good but I won't stand behind it and it is -- AS IS". Of course who in their right mind would bid up an item described like that!!

It all boils down to some bastard being greedy and dishonest and trying to get more than he deserves for an item by being deceitful. Another word for it is FRAUD!

As for PayPal, they are a separate cash handling company with no responsibility to either the buyer or seller. You even have to sign a statement saying that you understand that right up front. If you rescind your credit card payment you are doing something that you agreed not to do. If you don't like the way PayPal does it's thing ... simple .. don't use them.

This other guy has created his own problems with PayPal. He refuses to identify himself to them or provide bank information .. how are they supposed to pay him? Why should they? If I go to my bank that I have done business with for years and I don't identify myself .. they won't even talk to me.

The post office still has money orders!

Larry W9MDX

"Keith Beckmann" <Kbeckmann.spankme@wi.rr.com> wrote in message
news:vat07.1286363$si5.61342037@typhoon.kc.rr.com...
> Take a look at the auction. Did it say "as-is"? If so, your stuck! You
> shouldn't even post a negative feedback about this on ebay.
>
> You have to be careful with these as-is auctions. It means you will
accept
> the item in any state it happens to be in, which means you should be
bidding
> at salvage rate.
>
> If the seller stated the item was working in the auction, then you will
have
> some recourse with ebay. Try to remedy the situation with the seller via

> e-mail, and if that fails, get his phone number from ebay and call him.
> Many people will fold when you confront them directly, instead of hiding
> behind e-mail. Be very factual and courteous, as in "your auction stated
> the unit was working, but it is not. I expect you to accept this unit
back
> and refund my money". If not, tell the seller you will be posting a
> negative feedback on ebay, again be courteous and completely factual.
>
> If all this fails, you can file a fraud complaint with ebay, 30 days after
> the auction ended. This will prompt ebay to e-mail the seller with your
> complaint, and require a response. Again be only factual. If this does
not
> get resolved through this process, 30 days later you can file an insurance
> claim with ebay, and get you money back, minus $25 ($250 max I think).
You
> have a maximum of 90 days from the auction close to do this.
>
> Again all this is based on some fraud by the seller. If he stated the
> auction was as-is, or something similar, your stuck!
>
> As for PayPal, if you paid via credit card, you can reverse the charges
> through your credit card company, but this is also assuming there is some
> fraud involved.
>
>
>
> "Richard Malone" <malone1956@home.net> wrote in message
> news:aadO7.70769$Ze5.40209307@news1.rdc1.md.home.com...
> > Recently I remember seeing a post about problems with Paypal. A few
weeks
> > ago, I purchased a Icom ht off of Ebay. The seller (another ham
operator)
> > asked to be paid with Paypal. When I received the radio, it had no
output
> > power. He now says it's an old radio, what did I expect. I have been
> > through the Square Trade process which is a joke. What other recourse
is
> > there with Paypal? Any experiences out there?
> >
> > Richard, n3fif
> >
> >
> >
>
>

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.303 / Virus Database: 164 - Release Date: 11/24/2001

```
From -1709281815710403849
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b51142be48ae324
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,b51142be48ae324
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,b51142be48ae324
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2001-12-08 08:29:43 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-post-01!supernews.com!
corp.supernews.com!not-for-mail
From: Murray Neece <radioranch@cableone.net>
Newsgroups: rec.ham-radio,rec.radio.swap,rec.ham-radio.swap
Subject: Re: 756 Keying Titan Amp???!
Date: Sat, 08 Dec 2001 10:21:29 -0800
Organization: Radio Ranch
Message-ID: <3C125A29.A1F1AE5C@cableone.net>
Reply-To: radioranch@qth.com
X-Mailer: Mozilla 4.7 [en]C-CCK-MCD NSCPCD47  (Win98; I)
X-Accept-Language: en
MIME-Version: 1.0
References: <3C119835.C694F2CA@ev1.net>
Content-Type: multipart/mixed;
 boundary="------------A26939277F5F38F39FDB600B"
X-Complaints-To: newsabuse@supernews.com
Lines: 48
Xref: archiver1.google.com rec.radio.swap:51201 rec.ham-radio.swap:1336

This is a multi-part message in MIME format.
--------------A26939277F5F38F39FDB600B
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
```

No just one steve....try the qsk switch or, check to see youve got closure onthe rig side and that center to ground keys the Titan....if both are so, you should be fine...seems like I had to turn the qsk on or something similar...cant remember..73 murray

"hogman$"@ev1.net wrote:

> Hey all!   Just hooking up my Icom 756, not pro to my Titan amp hr, (425) and can't seem to key the amp correctly!   hooked up just like the manual says!   any tricks I need to know about here!   Any suggestions.   I have really on one send jack on back of the 756 rig here,   the titan has have two connections hooked up to key the amp?...
>
> Any comments hr?....
>
> tnx,   people!   Steve in TX   wd5hni.
>

```
>  mail is  "hogman@ev1.net"

--------------A26939277F5F38F39FDB600B
Content-Type: text/x-vcard; charset=us-ascii;
 name="radioranch.vcf"
Content-Transfer-Encoding: 7bit
Content-Description: Card for Murray Neece
Content-Disposition: attachment;
 filename="radioranch.vcf"

begin:vcard
n:Neece;Murray
x-mozilla-html:TRUE
url:http://www.qth.com/k5mdm
org:Smokin J's RadioRanch;Radio
version:2.1
email;internet:RadioRanch@qth.com
title:Owner
adr;quoted-printable:;;2636 Kermit Hwy.=0D=0A;Odessa;Texas;79763;USA
note;quoted-printable:Odessa, Texas Hamfest=0D=0ANovember2-3.....=0D=0AMore
information =0D=0Aask me!!
x-mozilla-cpt:;-27488
fn:(web page)    www.qth.com/k5mdm
end:vcard

--------------A26939277F5F38F39FDB600B--




From 780114962227730024
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b51142be48ae324
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,b51142be48ae324
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,b51142be48ae324
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2001-12-08 13:55:58 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
news.uchicago.edu!newsfeed.cs.wisc.edu!nnxp1.twtelecom.net!news-east.rr.com!news-
west.rr.com!cyclone.kc.rr.com!news.kc.rr.com!cyclone3.kc.rr.com!news3.kc.rr.com!
typhoon.kc.rr.com.POSTED!not-for-mail
From: dalej2@mac.com
Newsgroups: rec.ham-radio,rec.radio.swap,rec.ham-radio.swap
Subject: Re: 756 Keying Titan Amp???!
References: <3C119835.C694F2CA@ev1.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
User-Agent: MT-NewsWatcher/3.1 (PPC)
Message-ID: <dalej2-8C0EB0.15555608122001@mkc-94-170-2.kc.rr.com>
Lines: 19
Date: Sat, 08 Dec 2001 21:56:09 GMT
```

```
NNTP-Posting-Host: 65.30.225.157
X-Complaints-To: abuse@rr.com
X-Trace: typhoon.kc.rr.com 1007848569 65.30.225.157 (Sat, 08 Dec 2001 15:56:09
CST)
NNTP-Posting-Date: Sat, 08 Dec 2001 15:56:09 CST
Xref: archiver1.google.com rec.radio.swap:51229 rec.ham-radio.swap:1338

In article <3C119835.C694F2CA@ev1.net>, "hogman$"@ev1.net wrote:

> Hey all!    Just hooking up my Icom 756,  not pro to my Titan amp hr,
> (425)  and can't seem to key the amp correctly!    hooked up just like

no tricks, read the manual.



> the manual says!   any tricks I need to know about here!   Any
> suggestions.   I have really on one send jack on back of the 756 rig
> here,    the titan has have two connections hooked up to key the amp?...
>
> Any comments hr?....
>
> tnx,   people!     Steve in TX    wd5hni.
>
>  mail is  "hogman@ev1.net"
>


From 5161228116298476473
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a69c370052d962c7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,a69c370052d962c7
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,a69c370052d962c7
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-12-08 21:55:07 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newsfeed.cwix.com!newscon02.news.prodigy.com!
newsmst01.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr11.news.prodigy.com.POSTED!not-for-mail
From: "Cliff Gieseke" <cliffgie@swbell.net>
Newsgroups: rec.ham-radio,alt.ham-radio,rec.radio.amateur
References: <3C0E8B82.79878860@bellsouth.net>
Subject: Re: Logging Software
Lines: 31
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <XXCQ7.3747$Kv5.2149624925@newssvr11.news.prodigy.com>
NNTP-Posting-Host: 208.191.120.95
X-Complaints-To: abuse@prodigy.net
```

X-Trace: newssvr11.news.prodigy.com 1007876983 ST000 208.191.120.95 (Sun, 09 Dec 2001 00:49:43 EST)
NNTP-Posting-Date: Sun, 09 Dec 2001 00:49:43 EST
Organization: Prodigy Internet http://www.prodigy.com
X-UserInfo1: Q[OUBXCDSRW]RR\YN[OJNW@@YJ_ZTB\MV@BD]
\YIJYWZUYICD^RAQBKZQTZTX_I[^G_KGFNON[ZOE_AZNVO^\XGGNTCIRPIJH[@RQKBXLRZ@CD^HKANYVW
@RLGEZEJN@_WZJBNZYYKVIOR]T]MNMG_Z[YVWSCH_Q[GPC_A@CARQVXDSDA^M]@DRVUM@RBM
Date: Sun, 09 Dec 2001 05:49:43 GMT
Xref: archiver1.google.com rec.radio.amateur:2723

Why not just use your word processing program, typing in bold type the call sign and separating each contact with a horizontal line? Since I mainly rag chew or handle phone patch traffic, I found that to be a simple solution. The back up procedure is familiar, and you always have plenty of room for comments and whatever info you want to put for each contact. To locate info, you can simply use the search option on the edit menu as you would normally with your word processing program. Simple enough if you're not into paper chasing or contesting.

Cliff Gieseke, W4ZFL/5

"Van DeWald" <dewald@bellsouth.net> wrote in message
news:3C0E8B82.79878860@bellsouth.net...
> Looking for a good logging software, so that I can make notes of the
> QSO I conduct. Right now, I'm only chatting on 2 meters, but find it
> interesting to make notes in my log about the date, time, frequency,
> and details about the QSO itself. It would be a simple enough
> program. Does not need to be used for contesting, or anything such
> as that, but just to log the contacts, and so that I could search
> quickly to recall QSO's, etc. Any ideas? I spose I could come up
> with something on my own, but if there is a simple logging program
> out there, I'd save myself from reinventing the wheel.
>
> Thanks,
>
> Van, KG4PTM
>
>
>

From -4612290483254722565
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b51142be48ae324
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,b51142be48ae324
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,b51142be48ae324
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2001-12-10 12:04:13 PST
Message-ID: <3C151509.BDA985A5@ev1.net>

```
Date: Mon, 10 Dec 2001 14:03:21 -0600
From: "hogman$"@ev1.net
X-Mailer: Mozilla 4.7 [en]C-CCK-MCD EZN47  (Win98; I)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.swap,rec.ham-radio.swap
Subject: (GOT IT!) 756 Keying Titan Amp???!
References: <3C119835.C694F2CA@ev1.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
NNTP-Posting-Host: 216.40.209.19
X-Trace: newsa.ev1.net 1008014518 216.40.209.19 (10 Dec 2001 14:01:58 -0600)
Lines: 18
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!nnxp1.twtelecom.net!newsa.ev1.net
Xref: archiver1.google.com rec.radio.swap:51464 rec.ham-radio.swap:1345

Got it fixed!!!!   Thanks for all the tips here!..

WD5HNI.........

"hogman$"@ev1.net wrote:

> Hey all!    Just hooking up my Icom 756,  not pro to my Titan amp hr,
> (425)  and can't seem to key the amp correctly!    hooked up just like
> the manual says!   any tricks I need to know about here!   Any
> suggestions.   I have really on one send jack on back of the 756 rig
> here,    the titan has have two connections hooked up to key the amp?...
>
> Any comments hr?....
>
> tnx,   people!     Steve in TX    wd5hni.
>
>  mail is  "hogman@ev1.net"



From 6382396252641616550
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f1949158f382c18,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,6f1949158f382c18,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,6f1949158f382c18,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,6f1949158f382c18,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f64c6,6f1949158f382c18,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fa656,6f1949158f382c18,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-12-11 00:55:54 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-01!supernews.com!
```

newshub2.rdc1.sfba.home.com!news.home.com!enews.sgi.com!iafrica.com!news.adamastor.ac.za!not-for-mail
From: Tony Baard <TONYB@ITS.uct.ac.za>
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,uk.radio.amateur
Subject: WTD: Icom IC-RM3 Operator's manual
Date: Tue, 11 Dec 2001 10:55:49 +0200
Organization: University of Cape Town
Lines: 7
Message-ID: <3C15CA15.226652A@ITS.uct.ac.za>
Reply-To: TONYB@ITS.uct.ac.za
NNTP-Posting-Host: tonyb2.its.uct.ac.za
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: news.adamastor.ac.za 1008060951 34075 137.158.27.154 (11 Dec 2001 08:55:51 GMT)
X-Complaints-To: abuse@uct.ac.za
NNTP-Posting-Date: 11 Dec 2001 08:55:51 GMT
X-Mailer: Mozilla 4.75 [en] (Win98; U)
X-Accept-Language: en
Xref: archiver1.google.com rec.radio.amateur:2748 rec.radio.amateur.misc:22900 uk.radio.amateur:42253

Hi there

Does anyone know of a website where I may download an operator's manual for the Icom IC-RM3 remote controller? I have recently acquired one but unfortunately the unit came sans manual :-((

Thanks in advance.

From 669829133439396720
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,fd17e47601e1afeb
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,fd17e47601e1afeb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,fd17e47601e1afeb
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2001-12-11 19:46:24 PST
Path: archiver1.google.com!postnews1.google.com!not-for-mail
From: we6a@wt.net (Doc)
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.radio.swap
Subject: Re: Paypal
Date: 11 Dec 2001 19:46:23 -0800
Organization: http://groups.google.com/
Lines: 27
Message-ID: <4522def3.0112111946.74785a41@posting.google.com>
References: <aadO7.70769$Ze5.40209307@news1.rdc1.md.home.com> <3C0971E1.ED4EBF03@home.com> <u0j1lhksuacee7@corp.supernews.com>
NNTP-Posting-Host: 63.93.83.175

```
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1008128784 13737 127.0.0.1 (12 Dec 2001 03:46:24 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: 12 Dec 2001 03:46:24 GMT
Xref: archiver1.google.com alt.ham-radio.marketplace:7133 rec.radio.swap:51621

"KK4RB" <emoryp@friendlycity.net> wrote in message
news:<u0j1lhksuacee7@corp.supernews.com>...
> No Gud!To talk to Pay-Pal, I had a $1000.00 Deal to go bad and they never
> helped me at all!
> "Leland Cox" <lcox107@home.com> wrote in message
> news:3C0971E1.ED4EBF03@home.com...
> > Talk to ebay!
> >
> > Richard Malone wrote:
> > >
> > > Recently I remember seeing a post about problems with Paypal.  A few
>  weeks
> > > ago, I purchased a Icom ht off of Ebay.  The seller (another ham
>  operator)
> > > asked to be paid with Paypal.  When I received the radio, it had no
>  output
> > > power.  He now says it's an old radio, what did I expect.  I have been
> > > through the Square Trade process which is a joke.  What other recourse
>  is
> > > there with Paypal?  Any experiences out there?
> > >
> > > Richard, n3fif


I will never ever use Paypal again.  They don't at all protect anyone
with their service except themselves.

Doc WE6A



From 5498708510771427244
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc92190f76d04948,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,bc92190f76d04948,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 10bf43,bc92190f76d04948,start
X-Google-Attributes: gid10bf43,public
X-Google-Thread: f7796,bc92190f76d04948,start
X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2001-12-12 05:29:34 PST
Path: archiver1.google.com!news1.google.com!sn-xit-03!supernews.com!
logbridge.uoregon.edu!news.uchicago.edu!yellow.newsread.com!bad-news.newsread.com!
netaxs.com!newsread.com!POSTED.newshog.newsread.com!not-for-mail
From: "KC8PMX" <kc8pmx@tm.net>
Newsgroups: alt.ham-radio,alt.ham-radio.morse,rec.ham-
```

radio,rec.radio.amateur.policy
References: <4ytO7.18262$Qm6.2451580@zwoll1.home.nl>
<pUKO7.6516$m%.853156@monger.newsread.com> <u1d5tq5dfp5jf2@corp.supernews.com>
Subject: Re: Morse not anymore needed to use HF-see further
Lines: 84
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2919.6600
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
Message-ID: <39IR7.109$YE4.19833@newshog.newsread.com>
Date: Wed, 12 Dec 2001 12:34:07 GMT
NNTP-Posting-Host: 64.7.166.211
X-Complaints-To: Abuse Role <abuse@tm.net>, We Care <abuse@newsread.com>
X-Trace: newshog.newsread.com 1008160447 64.7.166.211 (Wed, 12 Dec 2001 07:34:07 EST)
NNTP-Posting-Date: Wed, 12 Dec 2001 07:34:07 EST
Organization: The Mercury Network (tm.net)
Xref: archiver1.google.com rec.radio.amateur.policy:39047

"b888" <b888@lcix.net> wrote in message
news:u1d5tq5dfp5jf2@corp.supernews.com...
> Well said.
>   People still use sailboats, steam engines, propeller aircraft,
> drive classic cars, and do a million other things that are not
> "state of the art" but there still useful and fun. I feal sorry for
> those who have never felt the thrill of that first solid cw copy.
> Or who have no Idea how to loadup a "hollow state" rig.
> The easy way out is the booring way out.
> WB3DSJ

You are correct sir! Some may love CW and some may not. Some may love the digital modes. Some may not. Some may love homebrewing. (and so on and so on) There are many facets of this hobby that are enjoyable to a variety of different people. All a license means is that you are allowed to do whatever is allowed by that license class.

Those that chose to (forgive the word) *bitch* about the either the dropping of the code requirement to a lesser level, or the possibility of it dropping of it entirely, probably are not the same people who became proactively involved in the protest of those conditions. I am sure that at least 80% of all licensed hams have not bothered to write all the "powers that be" (i.e. congressmen, senators etc) about ham radio, and in defense of ham radio.
We can sit and hope and pray that ARRL *may* work hard to defend us, but can you imagine if our elected officials, from the local level, all the way up to the federal level recieved tons of letters in defense of amateur radio?
I personally write at least quarterly each year, (as well as fire fighting related mails especially after 9-11-01) and strongly encourage others to do so too.

Another way to win support? Invite your elected officials to your club meetings, ARES/RACES meetings (or similar groups) and share with them the experience. This has a two-fold benefit. It allows the ham public to

actually meet the officials, and of course the officials to actually be able
to meet the ham public and hear their concerns, and to see what we are doing
.

Amateur Radio is a pro-active hobby/service, not a sit back and watch hobby.
Get involved!

[first paragrah directed at respondee to my earlier post, other paragraphs
are to everyone else.]

Ryan KC8PMX

>
> KC8PMX wrote in message ...
> >People who want to use Morse code still will, and those who don't, won't.
> >Any changes in the laws short of a law outright banning morse code
> operation
> >won't stop those who wish to use the HF frequencies.
> >
> >Ryan
> >KC8PMX
> >
> >
> >"Marruk" <mphaannospam@hotmail.com> wrote in message
> >news:4ytO7.18262$Qm6.2451580@zwoll1.home.nl...
> >> Mose not anymore needed to use HF.
> >>
> >> Hi OMs,
> >>
> >> In Guatamala it is decided that a morse exam is not anymore needed to
use
> >> the HF bands.
> >> I guess this is good for the sellers of HF equipment and it will get
the
> >> band a lot more used for phone dx.
> >> But I dont think it will be very good for Morsecode as a whole.
> >> Hope to see you in 2003 on HF when it will be officially released in
the
> >> Netherlands.
> >>
> >> PE1PAE
> >>
> >>
> >
> >
>
>

From -2455981874438762260

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,138777734802cc13,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,138777734802cc13,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f55c2,138777734802cc13,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 10ed5f,138777734802cc13,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-12-13 13:34:55 PST
Path: archiver1.google.com!news2.google.com!news1.google.com!sn-xit-02!
supernews.com!newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!
news.home.com!news1.rdc1.nj.home.com.POSTED!not-for-mail
From: "Ed Velez" <kd2pm@home.com>
Newsgroups: alt.ham-radio,alt.ham-radio.mods,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Looking for pdf file for Kenwood TH78A manual
Lines: 5
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <bn3S7.260257$ez.36746260@news1.rdc1.nj.home.com>
Date: Thu, 13 Dec 2001 14:59:19 GMT
NNTP-Posting-Host: 24.253.217.240
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.nj.home.com 1008255559 24.253.217.240 (Thu, 13 Dec 2001
06:59:19 PST)
NNTP-Posting-Date: Thu, 13 Dec 2001 06:59:19 PST
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com alt.ham-radio.mods:966 alt.ham-radio.vhf-uhf:7028
```

If anyone has a copy of the Kenwood TH78A handheld manual in pdf format, I would greatly appreciate it. Have a friend who moved and wants to get his radio programmed again but has lost the paper copy of the manual.

```
From -6755408480492762954
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,138777734802cc13
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f55c2,138777734802cc13
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 10ed5f,138777734802cc13
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,138777734802cc13
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-12-13 18:57:15 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!nnxp1.twtelecom.net!news-east.rr.com!news-west.rr.com!
lsnws01.we.mediaone.net!cyclone-LA3.rr.com!typhoon.we.rr.com.POSTED!not-for-mail
From: "Eddie Haskell" <Wiseguy@Cleaver.com>
```

```
Newsgroups: alt.ham-radio,alt.ham-radio.mods,alt.ham-radio.vhf-uhf,rec.ham-radio
References: <bn3S7.260257$ez.36746260@news1.rdc1.nj.home.com>
Subject: Re: Looking for pdf file for Kenwood TH78A manual
Lines: 14
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <kTdS7.33039$WK1.5582129@typhoon.we.rr.com>
Date: Fri, 14 Dec 2001 02:56:16 GMT
NNTP-Posting-Host: 24.130.194.169
X-Complaints-To: abuse@mediaone.net
X-Trace: typhoon.we.rr.com 1008298576 24.130.194.169 (Thu, 13 Dec 2001 18:56:16
PST)
NNTP-Posting-Date: Thu, 13 Dec 2001 18:56:16 PST
Organization: Road Runner
Xref: archiver1.google.com alt.ham-radio.mods:967 alt.ham-radio.vhf-uhf:7040
```

I know this sounds weird but it works. Look up the FCC ID number on the FCC's website. They usually contain the user manual AND tuneup info!!! I got the complete schematics and tune up info the the Yaesu VX-5R that way...Eddie

"Ed Velez" <kd2pm@home.com> wrote in message
news:bn3S7.260257$ez.36746260@news1.rdc1.nj.home.com...

> If anyone has a copy of the Kenwood TH78A handheld manual in pdf format, I
> would greatly appreciate it. Have a friend who moved and wants to get his
> radio programmed again but has lost the paper copy of the manual.
>
>

```
From 3704165167574521348
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc92190f76d04948
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,bc92190f76d04948
X-Google-Attributes: gid10bf43,public
X-Google-Thread: f7796,bc92190f76d04948
X-Google-Attributes: gidf7796,public
X-Google-Thread: 10ed5f,bc92190f76d04948
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-12-13 19:48:35 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!cyclone2.usenetserver.com!
usenetserver.com!news01.optonline.net!news02.optonline.net.POSTED!not-for-mail
From: "Web" <WebFx27@hotmail.com>
Newsgroups: alt.ham-radio,alt.ham-radio.morse,rec.ham-
radio,rec.radio.amateur.policy
References: <4ytO7.18262$Qm6.2451580@zwoll1.home.nl>
<pUKO7.6516$m%.853156@monger.newsread.com> <u1d5tq5dfp5jf2@corp.supernews.com>
```

<39IR7.109$YE4.19833@newshog.newsread.com>
Subject: Re: Morse not anymore needed to use HF-see further
Lines: 106
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <hCeS7.15523$161.7241951@news02.optonline.net>
Date: Fri, 14 Dec 2001 03:46:21 GMT
NNTP-Posting-Host: 24.188.217.52
X-Trace: news02.optonline.net 1008301581 24.188.217.52 (Thu, 13 Dec 2001 22:46:21 EST)
NNTP-Posting-Date: Thu, 13 Dec 2001 22:46:21 EST
Organization: Optimum Online
Xref: archiver1.google.com rec.radio.amateur.policy:38477

I aggree

Web

"KC8PMX" <kc8pmx@tm.net> wrote in message
news:39IR7.109$YE4.19833@newshog.newsread.com...
>
> "b888" <b888@lcix.net> wrote in message
> news:u1d5tq5dfp5jf2@corp.supernews.com...
> > Well said.
> >   People still use sailboats, steam engines, propeller aircraft,
> > drive classic cars, and do a million other things that are not
> > "state of the art" but there still useful and fun. I feal sorry for
> > those who have never felt the thrill of that first solid cw copy.
> > Or who have no Idea how to loadup a "hollow state" rig.
> > The easy way out is the booring way out.
> > WB3DSJ
>
> You are correct sir! Some may love CW and some may not. Some may love
the
> digital modes. Some may not. Some may love homebrewing. (and so on and
so
> on) There are many facets of this hobby that are enjoyable to a variety
of
> different people. All a license means is that you are allowed to do
> whatever is allowed by that license class.
>
> Those that chose to (forgive the word) *bitch* about the either the
dropping
> of the code requirement to a lesser level, or the possibility of it
dropping
> of it entirely, probably are not the same people who became proactively
> involved in the protest of those conditions. I am sure that at least 80%
of
> all licensed hams have not bothered to write all the "powers that be"
(i.e.

> congressmen, senators etc) about ham radio, and in defense of ham radio.
> We can sit and hope and pray that ARRL *may* work hard to defend us, but
can
> you imagine if our elected officials, from the local level, all the way up
> to the federal level recieved tons of letters in defense of amateur radio?
> I personally write at least quarterly each year, (as well as fire fighting
> related mails especially after 9-11-01) and strongly encourage others to
do
> so too.
>
> Another way to win support? Invite your elected officials to your club
> meetings, ARES/RACES meetings (or similar groups) and share with them the
> experience. This has a two-fold benefit. It allows the ham public to
> actually meet the officials, and of course the officials to actually be
able
> to meet the ham public and hear their concerns, and to see what we are
doing
> .
>
> Amateur Radio is a pro-active hobby/service, not a sit back and watch
hobby.
> Get involved!
>
> [first paragrah directed at respondee to my earlier post, other paragraphs
> are to everyone else.]
>
> Ryan KC8PMX
>
>
> >
> > KC8PMX wrote in message ...
> > >People who want to use Morse code still will, and those who don't,
won't.
> > >Any changes in the laws short of a law outright banning morse code
> > operation
> > >won't stop those who wish to use the HF frequencies.
> > >
> > >Ryan
> > >KC8PMX
> > >
> > >
> > >"Marruk" <mphaannospam@hotmail.com> wrote in message
> > >news:4ytO7.18262$Qm6.2451580@zwoll1.home.nl...
> > >> Mose not anymore needed to use HF.
> > >>
> > >> Hi OMs,
> > >>
> > >> In Guatamala it is decided that a morse exam is not anymore needed to
> use
> > >> the HF bands.
> > >> I guess this is good for the sellers of HF equipment and it will get
> the
> > >> band a lot more used for phone dx.

```
> > >> But I dont think it will be very good for Morsecode as a whole.
> > >> Hope to see you in 2003 on HF when it will be officially released in
> the
> > >> Netherlands.
> > >>
> > >> PE1PAE
> > >>
> > >>
> > >
> > >
> >
> >
>
>
```

```
From 457874758267649350
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,138777734802cc13
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,138777734802cc13
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f55c2,138777734802cc13
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fb049,138777734802cc13
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-12-14 16:40:39 PST
Path: archiver1.google.com!news1.google.com!sn-xit-03!supernews.com!
logbridge.uoregon.edu!newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!
news.home.com!news1.rdc1.nj.home.com.POSTED!not-for-mail
From: "Ed Velez" <kd2pm@home.com>
Newsgroups: alt.ham-radio,alt.ham-radio.mods,alt.ham-radio.vhf-uhf,rec.ham-radio
References: <bn3S7.260257$ez.36746260@news1.rdc1.nj.home.com>
<kTdS7.33039$WK1.5582129@typhoon.we.rr.com>
Subject: Re: Looking for pdf file for Kenwood TH78A manual
Lines: 25
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <rRwS7.264743$ez.37409079@news1.rdc1.nj.home.com>
Date: Sat, 15 Dec 2001 00:31:19 GMT
NNTP-Posting-Host: 24.253.217.240
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.nj.home.com 1008376279 24.253.217.240 (Fri, 14 Dec 2001
16:31:19 PST)
NNTP-Posting-Date: Fri, 14 Dec 2001 16:31:19 PST
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com alt.ham-radio.mods:970 alt.ham-radio.vhf-uhf:7047
```

I actually had someone send me the manual in PDF format so I am all set.

Thanks everyone for taking the time to help out.

"Eddie Haskell" <Wiseguy@Cleaver.com> wrote in message
news:kTdS7.33039$WK1.5582129@typhoon.we.rr.com...
> I know this sounds weird but it works. Look up the FCC ID number on the
> FCC's website. They usually contain the user manual AND tuneup info!!! I
got
> the complete schematics and tune up info the the Yaesu VX-5R that
> way...Eddie
>
> "Ed Velez" <kd2pm@home.com> wrote in message
> news:bn3S7.260257$ez.36746260@news1.rdc1.nj.home.com...
> > If anyone has a copy of the Kenwood TH78A handheld manual in pdf format,
I
> > would greatly appreciate it. Have a friend who moved and wants to get
his
> > radio programmed again but has lost the paper copy of the manual.
> >
> >
>
>

From 8204051943998071372
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,138777734802cc13
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,138777734802cc13
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,138777734802cc13
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f55c2,138777734802cc13
X-Google-Attributes: gidf55c2,public
X-Google-ArrivalTime: 2001-12-15 01:50:55 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!news.tele.dk!
small.news.tele.dk!193.162.153.118!news.tele.dk!not-for-mail
From: Erik Hansen <mods@mods.dk>
Newsgroups: alt.ham-radio,alt.ham-radio.mods,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: Looking for pdf file for Kenwood TH78A manual
Date: Sat, 15 Dec 2001 10:53:06 +0100
Reply-To: Erik Hansen <mods@mods.dk>
Message-ID: <fa7m1u8cvdcvsrit8o2av7cmnlp1hb1a2m@4ax.com>
References: <bn3S7.260257$ez.36746260@news1.rdc1.nj.home.com>
X-Newsreader: Forte Agent 1.8/32.548
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 14
Organization: TDC Internet
NNTP-Posting-Host: 195.249.94.60

```
X-Trace: 1008409855 dread03.news.tele.dk 67457 195.249.94.60
X-Complaints-To: abuse@post.tele.dk
Xref: archiver1.google.com alt.ham-radio.mods:971 alt.ham-radio.vhf-uhf:7053
```

You can download the manual from http://www.mods.dk

Best regards Erik Hansen, OZ2AEP
mods@mods.dk
http://www.mods.dk

On Thu, 13 Dec 2001 14:59:19 GMT, "Ed Velez" <kd2pm@home.com> wrote:

```
>If anyone has a copy of the Kenwood TH78A handheld manual in pdf format, I
>would greatly appreciate it. Have a friend who moved and wants to get his
>radio programmed again but has lost the paper copy of the manual.
>
```

```
From -4809592257020024458
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,fd17e47601e1afeb
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,fd17e47601e1afeb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,fd17e47601e1afeb
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2001-12-15 18:10:46 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
logbridge.uoregon.edu!newsfeed.direct.ca!look.ca!newsfeed1.earthlink.net!
newsfeed.earthlink.net!newsmaster1.prod.itd.earthlink.net!
newsread2.prod.itd.earthlink.net.POSTED!not-for-mail
From: "rhamm" <rhamm@sunlink.net>
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.radio.swap
References: <aadO7.70769$Ze5.40209307@news1.rdc1.md.home.com>
Subject: Re: Paypal
Lines: 55
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <HoTS7.5621$O7.575823@newsread2.prod.itd.earthlink.net>
Date: Sun, 16 Dec 2001 02:10:47 GMT
NNTP-Posting-Host: 207.42.38.31
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread2.prod.itd.earthlink.net 1008468647 207.42.38.31 (Sat, 15 Dec
2001 18:10:47 PST)
NNTP-Posting-Date: Sat, 15 Dec 2001 18:10:47 PST
Organization: EarthLink Inc. -- http://www.EarthLink.net
X-Received-Date: Sat, 15 Dec 2001 18:10:45 PST
(newsmaster1.prod.itd.earthlink.net)
Xref: archiver1.google.com alt.ham-radio.marketplace:7075 rec.radio.swap:51149
```

Atually, what few tell the vast majority these days is that the internet is not amuned to the laws effecting the rest of us daily. We often tend to think of the internet as this entity that operates seperate from society, when the harsh reality is the internet is a sub-branch, if you will, of society. Think, society formed it and it is made up of members of society, so it " must" be bound to the same laws as society, even if corporate internet commerce chooses to make us believe otherwise.

In the case of being burnt, what would you do in the real world, think. You would go to a second hand shop, buy a device, for example, that you are led to believe is one thing, only to learn it is another thing.

I immagine the first step is to contact the person / company and express your dissatisfaction. Looking to return the item and cancel the transaction, perhaps, or look for a partial refund, maybe 10% (depending on what you are talking about and what the element of surprise is).

If all else fails, and neither can come to an agreement to rememdy the situation, you can always take them to small claims court.

If it was paid for by credit card you may be able to request a charge back, but be sure to pay the shipping to return the item, it must be signed for to prove it was returned.

You should think, is this a lot of money to warrant going to court?

True, you will get your filing fees if you are successful; however, you need to think if you are not successful you will be in that much deeper.

However, what makes this a bit of a situation, as opposed to buying in the used shop, is the fact it was auctioned off. This means, you had ample opportunity to ask questions before the sale. You could have requested photos, and any information you anticipated this unit to do. However, if he guaranteed certain things in his ad, or led the average person reading that ad to believe certain things, then you would most likely have a valid claim.

Going through paypal, or any of the online resources seems rather useless to me, I have yet to see any that actually take afirmative action or do anything meaningfull when there is a dispute between seller & buyer.

Furthermore, if they take any action they make certain they make a percentage for their efforts.

In my opinion, if you feel strong enough to contact an online resource then you might as well just go to the local magistrate and file against them, but speak to an attorney long before you put any more money into this, is my opinion, and follow you own good sense.

<sorry for the long post folks>

"Richard Malone" <malone1956@home.net> wrote in message
news:aadO7.70769$Ze5.40209307@news1.rdc1.md.home.com...

> Recently I remember seeing a post about problems with Paypal. A few weeks
> ago, I purchased a Icom ht off of Ebay. The seller (another ham operator)
> asked to be paid with Paypal. When I received the radio, it had no output
> power. He now says it's an old radio, what did I expect. I have been
> through the Square Trade process which is a joke. What other recourse is
> there with Paypal? Any experiences out there?
>
> Richard, n3fif
>
>
>

```
>




From -4248139465718516651
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 108228,5bbd2024582d0ab0
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,6ed352167fe27c7c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,6ed352167fe27c7c,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,6ed352167fe27c7c,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-12-16 02:16:07 PST
From: "Jesus, EA4AQY" <jesus.guardon@navegalia.com>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.ham-radio.vhf-uhf,rec.ham-
radio
Subject: For sale
Date: Sun, 16 Dec 2001 11:15:26 +0100
Lines: 12
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2919.6700
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6700
NNTP-Posting-Host: 212.166.134.53
X-Original-NNTP-Posting-Host: 212.166.134.53
Message-ID: <3c1c7452@news.airtel.net>
X-Trace: news.airtel.net 1008497746 212.166.134.53 (16 Dec 2001 11:15:46 +0100)
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!news.tele.dk!
small.news.tele.dk!134.222.94.5!npeer.kpnqwest.net!news.airtel.net
Xref: archiver1.google.com alt.ham-radio.marketplace:7081 alt.ham-radio.vhf-
uhf:7068

I sell Kenwood TS790E, 144 & 430 dual band allmode transceiver. ( supports
1�2 GHz, module not installed).
Price: 200.000 Pts in Spain, I pay transport, and 1100 $ (USA dollars).73 de
EA4AQY
I know some groups are not for selling, so I paid your pardon.




From 1944944738155480449
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,bc92190f76d04948
X-Google-Attributes: gid10c9e3,public
```

```
X-Google-Thread: 10ed5f,bc92190f76d04948
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 10bf43,bc92190f76d04948
X-Google-Attributes: gid10bf43,public
X-Google-Thread: f7796,bc92190f76d04948
X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2001-12-16 02:25:47 PST
From: "Jesus, EA4AQY" <jesus.guardon@navegalia.com>
Newsgroups: alt.ham-radio,alt.ham-radio.morse,rec.ham-
radio,rec.radio.amateur.policy
References: <4ytO7.18262$Qm6.2451580@zwoll1.home.nl>
<pUKO7.6516$m%.853156@monger.newsread.com> <u1d5tq5dfp5jf2@corp.supernews.com>
<39IR7.109$YE4.19833@newshog.newsread.com>
<hCeS7.15523$161.7241951@news02.optonline.net>
Subject: Re: Morse not anymore needed to use HF-see further
Date: Sun, 16 Dec 2001 11:25:05 +0100
Lines: 123
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2919.6700
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6700
NNTP-Posting-Host: 212.166.134.53
X-Original-NNTP-Posting-Host: 212.166.134.53
Message-ID: <3c1c769a@news.airtel.net>
X-Trace: news.airtel.net 1008498330 212.166.134.53 (16 Dec 2001 11:25:30 +0100)
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!npeer.kpnqwest.net!news.airtel.net
Xref: archiver1.google.com rec.radio.amateur.policy:38714

And me too. But don't think about keyers are finished. We still should make
noise on tha bands...
"Web" <WebFx27@hotmail.com> escribi� en el mensaje
news:hCeS7.15523$161.7241951@news02.optonline.net...
> I aggree
>
>        Web
>
>
> "KC8PMX" <kc8pmx@tm.net> wrote in message
> news:39IR7.109$YE4.19833@newshog.newsread.com...
> >
> > "b888" <b888@lcix.net> wrote in message
> > news:u1d5tq5dfp5jf2@corp.supernews.com...
> > > Well said.
> > >   People still use sailboats, steam engines, propeller aircraft,
> > > drive classic cars, and do a million other things that are not
> > > "state of the art" but there still useful and fun. I feal sorry for
> > > those who have never felt the thrill of that first solid cw copy.
> > > Or who have no Idea how to loadup a "hollow state" rig.
> > > The easy way out is the booring way out.
> > > WB3DSJ
> >
> > You are correct sir!  Some may love CW and some may not.  Some may love
```

> the
> > digital modes. Some may not. Some may love homebrewing. (and so on and
> so
> > on) There are many facets of this hobby that are enjoyable to a variety
> of
> > different people. All a license means is that you are allowed to do
> > whatever is allowed by that license class.
> >
> > Those that chose to (forgive the word) *bitch* about the either the
> dropping
> > of the code requirement to a lesser level, or the possibility of it
> dropping
> > of it entirely, probably are not the same people who became proactively
> > involved in the protest of those conditions. I am sure that at least
80%
> of
> > all licensed hams have not bothered to write all the "powers that be"
> (i.e.
> > congressmen, senators etc) about ham radio, and in defense of ham
radio.
> > We can sit and hope and pray that ARRL *may* work hard to defend us, but
> can
> > you imagine if our elected officials, from the local level, all the way
up
> > to the federal level recieved tons of letters in defense of amateur
radio?
> > I personally write at least quarterly each year, (as well as fire
fighting
> > related mails especially after 9-11-01) and strongly encourage others
to
> do
> > so too.
> >
> > Another way to win support? Invite your elected officials to your club
> > meetings, ARES/RACES meetings (or similar groups) and share with them
the
> > experience. This has a two-fold benefit. It allows the ham public to
> > actually meet the officials, and of course the officials to actually be
> able
> > to meet the ham public and hear their concerns, and to see what we are
> doing
> > .
> >
> > Amateur Radio is a pro-active hobby/service, not a sit back and watch
> hobby.
> > Get involved!
> >
> > [first paragrah directed at respondee to my earlier post, other
paragraphs
> > are to everyone else.]
> >
> > Ryan KC8PMX
> >

```
> >
> > >
> > > KC8PMX wrote in message ...
> > > >People who want to use Morse code still will, and those who don't,
> won't.
> > > >Any changes in the laws short of a law outright banning morse code
> > > operation
> > > >won't stop those who wish to use the HF frequencies.
> > > >
> > > >Ryan
> > > >KC8PMX
> > > >
> > > >
> > > >"Marruk" <mphaannospam@hotmail.com> wrote in message
> > > >news:4ytO7.18262$Qm6.2451580@zwoll1.home.nl...
> > > >> Mose not anymore needed to use HF.
> > > >>
> > > >> Hi OMs,
> > > >>
> > > >> In Guatamala it is decided that a morse exam is not anymore needed
to
> > use
> > > >> the HF bands.
> > > >> I guess this is good for the sellers of HF equipment and it will
get
> > the
> > > >> band a lot more used for phone dx.
> > > >> But I dont think it will be very good for Morsecode as a whole.
> > > >> Hope to see you in 2003 on HF when it will be officially released
in
> > the
> > > >> Netherlands.
> > > >>
> > > >> PE1PAE
> > > >>
> > > >>
> > > >
> > > >
> > >
> > >
> >
> >
>
>
```

```
From -787594181700138355
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,a69c370052d962c7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,a69c370052d962c7
```

```
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,a69c370052d962c7
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-12-16 02:27:24 PST
From: "Jesus, EA4AQY" <jesus.guardon@navegalia.com>
Newsgroups: rec.ham-radio,alt.ham-radio,rec.radio.amateur
References: <3C0E8B82.79878860@bellsouth.net>
Subject: Re: Logging Software
Date: Sun, 16 Dec 2001 11:26:39 +0100
Lines: 20
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2919.6700
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6700
NNTP-Posting-Host: 212.166.134.53
X-Original-NNTP-Posting-Host: 212.166.134.53
Message-ID: <3c1c76fc@news.airtel.net>
X-Trace: news.airtel.net 1008498428 212.166.134.53 (16 Dec 2001 11:27:08 +0100)
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!news.tele.dk!
small.news.tele.dk!134.222.94.5!npeer.kpnqwest.net!news.airtel.net
Xref: archiver1.google.com rec.radio.amateur:2721

Try VQ Log, that's cool...
"Van DeWald" <dewald@bellsouth.net> escribi� en el mensaje
news:3C0E8B82.79878860@bellsouth.net...
> Looking for a good logging software, so that I can make notes of the
> QSO I conduct.  Right now, I'm only chatting on 2 meters, but find it
> interesting to make notes in my log about the date, time, frequency,
> and details about the QSO itself.  It would be a simple enough
> program.  Does not need to be used for contesting, or anything such
> as that, but just to log the contacts, and so that I could search
> quickly to recall QSO's, etc.  Any ideas?  I spose I could come up
> with something on my own, but if there is a simple logging program
> out there, I'd save myself from reinventing the wheel.
>
> Thanks,
>
> Van, KG4PTM
>
>




From 363695389130071059
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f8be435ff889d77d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115730,f8be435ff889d77d,start
X-Google-Attributes: gid115730,public
X-Google-ArrivalTime: 2001-12-16 12:25:10 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
logbridge.uoregon.edu!arclight.uoregon.edu!wn4feed!worldnet.att.net!
```

204.127.198.203!attbi_feed3!attbi.com!rwcrnsc54.POSTED!not-for-mail
Message-ID: <3C1D03E1.C932495C@dabbles-n-doodads.com>
From: joel <joel@dabbles-n-doodads.com>
X-Mailer: Mozilla 4.78 [en] (Windows NT 5.0; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: sci.electronics.equipment,rec.ham-radio
Subject: Wavetek 2410
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 13
Date: Sun, 16 Dec 2001 20:25:09 GMT
NNTP-Posting-Host: 204.127.202.211
X-Complaints-To: abuse@attbi.com
X-Trace: rwcrnsc54 1008534309 204.127.202.211 (Sun, 16 Dec 2001 20:25:09 GMT)
NNTP-Posting-Date: Sun, 16 Dec 2001 20:25:09 GMT
Organization: AT&T Broadband
Xref: archiver1.google.com sci.electronics.equipment:7514

Hi,

I just picked up a 2410 signal generator that didn't come with any manuals or info. While running through some of the menus, I came across the options menu which requires a security code to access the program feature. Is there a way to reset it? Is there a default that it may still be using and how is it entered. Any help and info on this unit would be appreciated.

Thanks

Joel

From -9055513204889420933
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,a69c370052d962c7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,a69c370052d962c7
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,a69c370052d962c7
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-12-17 11:46:10 PST
From: jdouglas@timewave.com (John Douglas)
Newsgroups: rec.ham-radio,alt.ham-radio,rec.radio.amateur
Subject: Re: Logging Software
Date: Mon, 17 Dec 2001 19:53:32 GMT
Organization: Timewave Technology Inc
Reply-To: jdouglas@timewave.com
Message-ID: <3c1e4ccd.14642457@news.mcleodusa.net>
References: <3C0E8B82.79878860@bellsouth.net> <3c1c76fc@news.airtel.net>
X-Newsreader: Forte Free Agent 1.21/32.243
NNTP-Posting-Host: zzz-216043236092.splitrock.net

```
X-Original-NNTP-Posting-Host: zzz-216043236092.splitrock.net
X-Trace: nntp01.splitrock.net 1008621890 zzz-216043236092.splitrock.net (17 Dec
2001 14:44:50 -0500)
Lines: 34
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!cyclone.bc.net!logbridge.uoregon.edu!uunet!sea.uu.net!
chi.uu.net!nntp01.splitrock.net
Xref: archiver1.google.com rec.radio.amateur:2727

Hello Van,

Download the demo of Log Windows from <http://www.cssincorp.com>. I've
been using it for several years and have over 20,000 entries in the
log.

73

John N�ISL

On Sun, 16 Dec 2001 11:26:39 +0100, "Jesus, EA4AQY"
<jesus.guardon@navegalia.com> wrote:

>Try VQ Log, that's cool...
>"Van DeWald" <dewald@bellsouth.net> escribi� en el mensaje
>news:3C0E8B82.79878860@bellsouth.net...
>> Looking for a good logging software, so that I can make notes of the
>> QSO I conduct.  Right now, I'm only chatting on 2 meters, but find it
>> interesting to make notes in my log about the date, time, frequency,
>> and details about the QSO itself.  It would be a simple enough
>> program.  Does not need to be used for contesting, or anything such
>> as that, but just to log the contacts, and so that I could search
>> quickly to recall QSO's, etc.  Any ideas?  I spose I could come up
>> with something on my own, but if there is a simple logging program
>> out there, I'd save myself from reinventing the wheel.
>>
>> Thanks,
>>
>> Van, KG4PTM
>>
>>
>
>




From -7293597179418440233
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,fd17e47601e1afeb
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,fd17e47601e1afeb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,fd17e47601e1afeb
X-Google-Attributes: gid1109af,public
```

X-Google-ArrivalTime: 2001-12-18 10:07:17 PST
Message-ID: <3C1F85C1.F730BEE1@world.net>
Date: Tue, 18 Dec 2001 13:06:57 -0500
From: Marylou@world.net
Organization: "United States of America"
X-Mailer: Mozilla 4.61 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.radio.swap
Subject: Re: Paypal
References: <aad07.70769$Ze5.40209307@news1.rdc1.md.home.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
NNTP-Posting-Host: 4.pwlr2.xdsl.nauticom.net
X-Trace: 18 Dec 2001 13:05:35 -0500, 4.pwlr2.xdsl.nauticom.net
Lines: 15
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!headwall.stanford.edu!unlnews.unl.edu!newsreader.wustl.edu!stl-feed.news.verio.net!news.cmnh.org!phl-feed.news.verio.net!news.verio.net!news.nauticom.net!4.pwlr2.xdsl.nauticom.net
Xref: archiver1.google.com alt.ham-radio.marketplace:7126 rec.radio.swap:51423

I used paypal and got stung. They refused to get involved or refund any money. I contacted the FBI Internet Fraud Unit and my credit card company and got my money ($275) returned.

Richard Malone wrote:

> Recently I remember seeing a post about problems with Paypal. A few weeks
> ago, I purchased a Icom ht off of Ebay. The seller (another ham operator)
> asked to be paid with Paypal. When I received the radio, it had no output
> power. He now says it's an old radio, what did I expect. I have been
> through the Square Trade process which is a joke. What other recourse is
> there with Paypal? Any experiences out there?
>
> Richard, n3fif

From -9189554853823024751
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,bc92190f76d04948
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f7796,bc92190f76d04948
X-Google-Attributes: gidf7796,public
X-Google-Thread: 10ed5f,bc92190f76d04948
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 10bf43,bc92190f76d04948
X-Google-Attributes: gid10bf43,public
X-Google-ArrivalTime: 2001-12-18 16:54:27 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!netnews.com!xfer02.netnews.com!newsfeed1.cidera.com!Cidera!cyclone.hawaii.rr.com!post.hawaii.rr.com!

```
typhoon.hawaii.rr.com.POSTED!not-for-mail
From: "EZ" <ezkeyl1@yahoo.com>
Newsgroups: alt.ham-radio,alt.ham-radio.morse,rec.ham-
radio,rec.radio.amateur.policy
References: <4ytO7.18262$Qm6.2451580@zwoll1.home.nl>
<pUKO7.6516$m%.853156@monger.newsread.com> <u1d5tq5dfp5jf2@corp.supernews.com>
<39IR7.109$YE4.19833@newshog.newsread.com>
<hCeS7.15523$161.7241951@news02.optonline.net> <3c1c769a@news.airtel.net>
Subject: Re: Morse not anymore needed to use HF-see further
Lines: 143
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <hyRT7.125187$OW.40808036@typhoon.hawaii.rr.com>
Date: Wed, 19 Dec 2001 00:53:33 GMT
NNTP-Posting-Host: 24.25.239.68
X-Complaints-To: abuse@rr.com
X-Trace: typhoon.hawaii.rr.com 1008723213 24.25.239.68 (Tue, 18 Dec 2001 14:53:33
HST)
NNTP-Posting-Date: Tue, 18 Dec 2001 14:53:33 HST
Xref: archiver1.google.com rec.radio.amateur.policy:38984
```

I'm an active duty military member, been a "ditty bopper" for over 15 years.
I can tell you, alot of countries are still out there using Morse code for
tactical
and strategic purposes. Long live Morse!

Ezee

"Jesus, EA4AQY" <jesus.guardon@navegalia.com> wrote in message
news:3c1c769a@news.airtel.net...
> And me too. But don't think about keyers are finished. We still should
make
> noise on tha bands...
> "Web" <WebFx27@hotmail.com> escribi� en el mensaje
> news:hCeS7.15523$161.7241951@news02.optonline.net...
> > I aggree
> >
> >   Web
> >
> >
> > "KC8PMX" <kc8pmx@tm.net> wrote in message
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From 7324251532777823693
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f413666b4df2f21a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,f413666b4df2f21a
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108778,f413666b4df2f21a
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,f413666b4df2f21a
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2001-12-18 18:04:37 PST
Message-ID: <3C1FF56E.D770728A@ev1.net>
Date: Tue, 18 Dec 2001 20:03:26 -0600
From: hogman^@ev1.net
X-Mailer: Mozilla 4.7 [en]C-CCK-MCD EZN47  (Win98; I)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.radio.swap,rec.ham-radio,rec.ham-radio.swap,alt.radio.amateur
Subject: "SOLD IT!" Icom IC-2350 Dual bander
References: <3C0CC691.B139EE3B@ev1.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
NNTP-Posting-Host: 207.173.217.26
X-Trace: newsa.ev1.net 1008727340 207.173.217.26 (18 Dec 2001 20:02:20 -0600)
Lines: 11
X-Authenticated-User: hogman
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!nnxp1.twtelecom.net!newsa.ev1.net
Xref: archiver1.google.com rec.radio.swap:51462 rec.ham-radio.swap:1358

RIG IS SOLD!   TNX

wd5hni@ev1.net wrote:

> Icom 2350 sale!     lost interest,   almost in mint condx.    Have box,
> manual, mic, cord,  etc.    $280 shipped CONUS    contact Steve wd5hni
> at
> hogman@ev1.net
>
> thanks,   73   Steve wd5hni



From 8713223440124721841
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X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,bc92190f76d04948
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f7796,bc92190f76d04948
X-Google-Attributes: gidf7796,public
X-Google-Thread: 10bf43,bc92190f76d04948
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 10ed5f,bc92190f76d04948
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-12-19 22:08:56 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newsfeed1.earthlink.net!newsfeed.earthlink.net!
newsmaster1.prod.itd.earthlink.net!newsread1.prod.itd.earthlink.net.POSTED!not-
for-mail
Message-ID: <3C21805A.A8BFD3EF@earthlink.net>
From: googlyelmo@earthlink.net
Reply-To: googlyelmo@earthlink.net
X-Mailer: Mozilla 4.78 (Macintosh; U; PPC)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.morse,rec.ham-
radio,rec.radio.amateur.policy
Subject: Re: Morse not anymore needed to use HF-see further
References: <4ytO7.18262$Qm6.2451580@zwoll1.home.nl>
<pUKO7.6516$m%.853156@monger.newsread.com> <u1d5tq5dfp5jf2@corp.supernews.com>
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<hCeS7.15523$161.7241951@news02.optonline.net> <3c1c769a@news.airtel.net>
<hyRT7.125187$OW.40808036@typhoon.hawaii.rr.com>
Content-Type: text/plain; charset=iso-8859-1; x-mac-type="54455854"; x-mac-
creator="4D4F5353"
Content-Transfer-Encoding: 8bit
Lines: 161
Date: Thu, 20 Dec 2001 06:08:56 GMT
NNTP-Posting-Host: 168.191.238.196
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread1.prod.itd.earthlink.net 1008828536 168.191.238.196 (Wed, 19 Dec
2001 22:08:56 PST)
NNTP-Posting-Date: Wed, 19 Dec 2001 22:08:56 PST
Organization: EarthLink Inc. -- http://www.EarthLink.net
X-Received-Date: Wed, 19 Dec 2001 22:08:56 PST
(newsmaster1.prod.itd.earthlink.net)
Xref: archiver1.google.com rec.radio.amateur.policy:39096
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From -4664779809565807O5
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,bc92190f76d04948
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f7796,bc92190f76d04948
X-Google-Attributes: gidf7796,public
```

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X-Google-Thread: 10ed5f,bc92190f76d04948
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 10bf43,bc92190f76d04948
X-Google-Attributes: gid10bf43,public
X-Google-ArrivalTime: 2001-12-20 21:44:27 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!portc03.blue.aol.com!newsfeed.skycache.com.MISMATCH!newsfeed1.cidera.com!Cidera!cyclone.hawaii.rr.com!post.hawaii.rr.com!typhoon.hawaii.rr.com.POSTED!not-for-mail
From: "EZ" <ezkeyl1@yahoo.com>
Newsgroups: alt.ham-radio,alt.ham-radio.morse,rec.ham-radio,rec.radio.amateur.policy
References: <4ytO7.18262$Qm6.2451580@zwoll1.home.nl> <pUKO7.6516$m%.853156@monger.newsread.com> <u1d5tq5dfp5jf2@corp.supernews.com> <39IR7.109$YE4.19833@newshog.newsread.com> <hCeS7.15523$161.7241951@news02.optonline.net> <3c1c769a@news.airtel.net> <hyRT7.125187$OW.40808036@typhoon.hawaii.rr.com> <3C21805A.A8BFD3EF@earthlink.net>
Subject: Re: Morse not anymore needed to use HF-see further
Lines: 208
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <8_zU7.132767$OW.40878512@typhoon.hawaii.rr.com>
Date: Fri, 21 Dec 2001 05:43:32 GMT
NNTP-Posting-Host: 24.25.239.68
X-Complaints-To: abuse@rr.com
X-Trace: typhoon.hawaii.rr.com 1008913412 24.25.239.68 (Thu, 20 Dec 2001 19:43:32 HST)
NNTP-Posting-Date: Thu, 20 Dec 2001 19:43:32 HST
Xref: archiver1.google.com rec.radio.amateur.policy:39231
```

Left the NSA in July 2000 after being stationed there 5 years, had several civilians working for me that were prior military. Never ran into any that were commercial maritime radio officers, but NSA is a big beast, they were probably elsewhere.

EZ

<googlyelmo@earthlink.net> wrote in message news:3C21805A.A8BFD3EF@earthlink.net...

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> > > >
> > >
> > >
>
```

```
From 8649461583256445918
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,35000fa69f4f117d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105955,35000fa69f4f117d,start
X-Google-Attributes: gid105955,public
X-Google-Thread: 107ada,35000fa69f4f117d,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,35000fa69f4f117d,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb049,35000fa69f4f117d,start
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-12-24 15:15:01 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!cpk-news-hub1.bbnplanet.com!
news.gtei.net!newsfeed1.cidera.com!Cidera!cyclone.socal.rr.com!cyclone3.kc.rr.com!
news3.kc.rr.com!typhoon.socal.rr.com.POSTED!not-for-mail
From: "Eric J. Goforth" <ericNOSPAM@21guns.com>
Newsgroups: alt.ham-radio.vhf-uhf,att.ham-radio,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.misc
Subject: Ham Talk Radio
Lines: 6
X-Priority: 3
```

X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4807.1700
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4807.1700
Message-ID: <jEOV7.14958$37.3512445@typhoon.socal.rr.com>
Date: Mon, 24 Dec 2001 23:13:19 GMT
NNTP-Posting-Host: 66.75.168.192
X-Complaints-To: abuse@rr.com
X-Trace: typhoon.socal.rr.com 1009235599 66.75.168.192 (Mon, 24 Dec 2001 15:13:19 PST)
NNTP-Posting-Date: Mon, 24 Dec 2001 15:13:19 PST
Organization: RoadRunner - California
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:7222 rec.radio.amateur:2770 rec.radio.amateur.misc:23224

http://www.live365.com/stations/289679

Talk radio about Hams? Cool!

From 4080227143512146372
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,35000fa69f4f117d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105955,35000fa69f4f117d
X-Google-Attributes: gid105955,public
X-Google-Thread: fb049,35000fa69f4f117d
X-Google-Attributes: gidfb049,public
X-Google-Thread: 107ada,35000fa69f4f117d
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,35000fa69f4f117d
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-12-24 18:01:05 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!cpk-news-hub1.bbnplanet.com!news.gtei.net!newsfeed1.cidera.com!Cidera!dagobah.blueriver.net!not-for-mail
From: "WW - KB9TMP" <NoMoreSpam4Me@antisocial.com>
Newsgroups: alt.ham-radio.vhf-uhf,att.ham-radio,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc
Subject: Re: Ham Talk Radio
Date: Mon, 24 Dec 2001 20:30:28 -0500
Organization: http://www.qsl.net/kb9tmp
Lines: 21
Message-ID: <a08kp3$idp$1@dagobah.blueriver.net>
References: <jEOV7.14958$37.3512445@typhoon.socal.rr.com>
NNTP-Posting-Host: pm3-orl-03-40.blueriver.net
X-Trace: dagobah.blueriver.net 1009243747 18873 209.43.67.152 (25 Dec 2001 01:29:07 GMT)
X-Complaints-To: news@dagobah.blueriver.net
NNTP-Posting-Date: 25 Dec 2001 01:29:07 GMT
X-Priority: 3

```
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:7223 rec.radio.amateur:2772
rec.radio.amateur.misc:23230
```

"Eric J. Goforth" <ericNOSPAM@21guns.com> wrote in message
news:jEOV7.14958$37.3512445@typhoon.socal.rr.com...

> http://www.live365.com/stations/289679
>
> Talk radio about Hams? Cool!
>
>
>

Nope! It's dead cold (off the air at this time), go figure.
--

'73' From KB9TMP
NCI-2385

Beware of the man who works hard to learn something,
learns it, and finds himself no wiser than before. He is
full of murderous resentment of people who are ignorant
without having come by their ignorance the hard way.
-Peer's Law

```
From 8853689873649835545
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 109bb7,270778ce5183d567,start
X-Google-Attributes: gid109bb7,public
X-Google-Thread: 10c9e3,270778ce5183d567,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,270778ce5183d567,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1120e4,270778ce5183d567,start
X-Google-Attributes: gid1120e4,public
X-Google-Thread: 10ddf1,270778ce5183d567,start
X-Google-Attributes: gid10ddf1,public
X-Google-Thread: f5845,270778ce5183d567,start
X-Google-Attributes: gidf5845,public
X-Google-Thread: fa656,270778ce5183d567,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc8b1,270778ce5183d567,start
X-Google-Attributes: gidfc8b1,public
X-Google-ArrivalTime: 2001-12-26 04:47:54 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!isdnet!
teaser.fr!fr.clara.net!heighliner.fr.clara.net!newsgate.cistron.nl!
amsnews01.chello.com!amsnews02.chello.com.POSTED!not-for-mail
Reply-To: "G8ASO�" <bajones@larkhill.win-uk.net>
From: "G8ASO�" <bajones@larkhill.win-uk.net>
```

```
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.scanner,relcom.rad
io.ham,se.hobby.amatorradio,tnn.radio.amateur,uk.media.radio.misc,us.misc.family-
radio
Subject: Onwards & Upwards
Lines: 14
Organization: Laughing Policeman Wireless Society
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <GFjW7.22014$sf2.3935071@amsnews02.chello.com>
Date: Wed, 26 Dec 2001 12:47:34 GMT
NNTP-Posting-Host: 213.245.7.131
X-Complaints-To: abuse@chello.com
X-Trace: amsnews02.chello.com 1009370854 213.245.7.131 (Wed, 26 Dec 2001 13:47:34
MET)
NNTP-Posting-Date: Wed, 26 Dec 2001 13:47:34 MET
Xref: archiver1.google.com rec.radio.amateur:2776
rec.radio.amateur.boatanchors:15549 rec.radio.scanner:28276 relcom.radio.ham:232
se.hobby.amatorradio:900 tnn.radio.amateur:30 uk.media.radio.misc:1076
us.misc.family-radio:100
```

Greetings and salutations,

http://www.laughingpoliceman.com

The web site of the club for independently thinking radio enthusiasts invite you to view their web site, click on the link above.

Seasons greetings from dark, dim & damp Worcester in Central England,

G8ASO LPWS Representative on Earth

```
From 181901421209715877
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,2995f3d80f230fc0,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,2995f3d80f230fc0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,2995f3d80f230fc0,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,2995f3d80f230fc0,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,2995f3d80f230fc0,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 114a57,2995f3d80f230fc0,start
X-Google-Attributes: gid114a57,public
```

X-Google-ArrivalTime: 2001-12-28 19:17:07 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-01!supernews.com!newshub2.rdc1.sfba.home.com!news.home.com!enews.sgi.com!newscon06.news.prodigy.com!newsmst01.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!newssvr16.news.prodigy.com.POSTED!not-for-mail
From: "North Georgia Web Designs" <ngwd@ngwd.com>
Newsgroups: alt.ham-radio.hf,alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.swap,rec.radio.swap
Subject: TRAP NEEDED
Lines: 16
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-Mimeole: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <bAaX7.4127$K_7.1061516346@newssvr16.news.prodigy.com>
NNTP-Posting-Host: 65.45.168.54
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr16.news.prodigy.com 1009595783 ST000 65.45.168.54 (Fri, 28 Dec 2001 22:16:23 EST)
NNTP-Posting-Date: Fri, 28 Dec 2001 22:16:23 EST
Organization: Prodigy Internet http://www.prodigy.com
X-UserInfo1:
FKPO@MC@@S@ORUT[JBCHOPP@FJ^ZTB\MV@BL\QMIWIWTEPIB_NVUAH_[BL[\IRKIANGGJBFNJF_DOLSCEN
SY^U@FRFUEXR@KFXYDBPWBCDQJA@X_DCBHXR[C@\EOKCJLED_SZ@RMWYXYWE_P@\
\GOIW^@SYFFSWHFIXMADO@^[ADPRPETLBJ]RDGENSKQQZN
Date: Sat, 29 Dec 2001 03:16:23 GMT
Xref: archiver1.google.com alt.ham-radio.hf:1482 alt.ham-radio.marketplace:7272 rec.ham-radio.swap:1380 rec.radio.amateur.swap:2027 rec.radio.swap:52315

I'm posting this for a friend of mine, please contact him DIRECTLY at km4o@fairburn.com

I need 4(four) traps for a HyGAIN vertical ant. Model 18AVQ.
If someone has the whole antenna forsale at a good price may go that way......But all I really need is the traps
hck

--
"It's God's responsibility to judge Bin Laden. It's our responsibility to arrange the meeting."

From 8302778172633407121
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,dfa4cc8f86caf4c2,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,dfa4cc8f86caf4c2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,dfa4cc8f86caf4c2,start
X-Google-Attributes: gid10aaeb,public

X-Google-Thread: 1109af,dfa4cc8f86caf4c2,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,dfa4cc8f86caf4c2,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,dfa4cc8f86caf4c2,start
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2001-12-30 07:26:12 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!newsfeed.direct.ca!look.ca!newsfeed.cwix.com!newscon02.news.prodigy.com!newsmst01.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!newssvr16.news.prodigy.com.POSTED!not-for-mail
From: "North Georgia Web Designs" <ngwd@ngwd.com>
Newsgroups: alabama.birmingham.radio.amateur,alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.swap,rec.radio.swap
Subject: FOR SALE : ADI SENDER 2 METER HT
Lines: 29
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <HlGX7.4823$Vb.1251848313@newssvr16.news.prodigy.com>
NNTP-Posting-Host: 64.48.176.245
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr16.news.prodigy.com 1009725927 ST000 64.48.176.245 (Sun, 30 Dec 2001 10:25:27 EST)
NNTP-Posting-Date: Sun, 30 Dec 2001 10:25:27 EST
Organization: Prodigy Internet http://www.prodigy.com
X-UserInfo1:
OXZ]RUWEUSWKRVD[FRXX_TDBO@QTBUDKFA_J]Q]KEYUNDQUCCNSUAACY@L[ZX__HGFD]JBJNSFXTOOGA_VWY^_HG@FW_HUTHOH]TBPGCO\P^PLP^@[GLHUK@WLECKFVL^TYG[@RMWQXIWM[SDDYWNLG_G[_BWUCHFY_Y@AS@Q[B\APPF@DCZM_PG_VSCPQZM
Date: Sun, 30 Dec 2001 15:25:27 GMT
Xref: archiver1.google.com alabama.birmingham.radio.amateur:456 alt.ham-radio.marketplace:7293 rec.ham-radio.swap:1384 rec.radio.amateur.swap:2046 rec.radio.swap:52422

Thanks for reading my message.

I received this HT in a trade a year or so ago, haven't messed with it that much since. ADI Sender 145.
Cosmetic condition is Good to excellent, battery does hold a charge, and the rig sounds good from the reports that I have received. As far as I can TELL the radio DOES NOT have a tone board. I did NOT receive a manual with the HT. Radio comes with a wall wart charger, takes about 12 hours to charge battery.

Best offer over $65.00. Email me DIRECT please.

73 Daniel KC4OXP
ngwd@ngwd.com

--
"It's God's responsibility to judge Bin Laden. It's our responsibility to
arrange the meeting."

```
From 3370187487676555192
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,fd17e47601e1afeb
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,fd17e47601e1afeb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,fd17e47601e1afeb
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2002-01-04 17:10:51 PST
Path: archiver1.google.com!postnews1.google.com!not-for-mail
From: k3roj@k3roj.com (AL  Alexander)
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.radio.swap
Subject: Re: Paypal
Date: 4 Jan 2002 17:10:49 -0800
Organization: http://groups.google.com/
Lines: 26
Message-ID: <cfa544dd.0201041710.3a27a6f2@posting.google.com>
References: <aad07.70769$Ze5.40209307@news1.rdc1.md.home.com>
<3C1F85C1.F730BEE1@world.net>
NNTP-Posting-Host: 24.3.54.248
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1010193050 4460 127.0.0.1 (5 Jan 2002 01:10:50 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: 5 Jan 2002 01:10:50 GMT
Xref: archiver1.google.com alt.ham-radio.marketplace:7403 rec.radio.swap:52963
```

```
Marylou@world.net wrote in message news:<3C1F85C1.F730BEE1@world.net>...
> I used paypal and got stung.  They refused to get involved or refund any
> money.  I contacted the FBI Internet Fraud Unit and my credit card company and
> got my money ($275) returned.
>
> Richard Malone wrote:
>
> > Recently I remember seeing a post about problems with Paypal.  A few weeks
> > ago, I purchased a Icom ht off of Ebay.  The seller (another ham operator)
> > asked to be paid with Paypal.  When I received the radio, it had no output
> > power.  He now says it's an old radio, what did I expect.  I have been
> > through the Square Trade process which is a joke.  What other recourse is
```

> > there with Paypal? Any experiences out there?
> >
> > Richard, n3fif

I have also been burned on E-BAY using Pay Pal. Of course I could have been burned using a money order also. I had won a bid on a piece of test equipment which was only $50 (it didn't work) which surprised me because it is worth much more if it functions. Perhaps people knew this guy and didn't bid? Anyway, I complained to E-BAY online and got an automated response and forget trying to get through on the phone.
I wanted revenge and began hounding this guy on E-BAY and sending e-mails to his top bidders. He got the idea and changed his user name.
From now on, I just look and unless the person is local, I move on.
K3ROJ   AL

From -4005358396131030628
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c37af42d242796e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,1c37af42d242796e,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fc8b1,1c37af42d242796e,start
X-Google-Attributes: gidfc8b1,public
X-Google-ArrivalTime: 2002-01-04 17:55:04 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!news.tele.dk!small.news.tele.dk!207.115.63.138!newscon04.news.prodigy.com!newsmst01.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!newssvr30.news.prodigy.com.POSTED!not-for-mail
From: duckyman@swbell.net
Newsgroups: rec.radio.amateur.boatanchors,rec.antiques.radio+phono,rec.ham-radio
Subject: FA: several interesting items
Message-ID: <3c365c7d.5236148@151.164.30.42>
X-Newsreader: Forte Free Agent 1.21/32.243
Lines: 22
NNTP-Posting-Host: 64.217.27.4
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr30.news.prodigy.com 1010195696 ST000 64.217.27.4 (Fri, 04 Jan 2002 20:54:56 EST)
NNTP-Posting-Date: Fri, 04 Jan 2002 20:54:56 EST
Organization: Prodigy Internet http://www.prodigy.com
X-UserInfo1:
[[PAPDCA[S@[R\DYEJM^_VLAUSXHQD\MNPWZKB]MPXHBTWICYFWUQBKZQLYJX_ITFD_KFVLUN[DOM_A_NSYNWPFWNS[XV\I]PZ@BQ[@CDQDPCL^FKCBIPC@KLGEZEFNMDYMKHRL_YYYGDSSODXYN@[\BK[LVTWI@AXGQCOA_SAH@TPD^\AL\RLGRFWEARBM
Date: Sat, 05 Jan 2002 01:54:56 GMT
Xref: archiver1.google.com rec.radio.amateur.boatanchors:15888 rec.antiques.radio+phono:57347

AT&T 1A Code Key
item 1317078507

Zenith Trans-Oceanic H500

item 1317099291

LM-21 signal generator
item 1317108354

Eico 710 Grid Dip Osc. (GDO)
item 1317116498

A real Q5-er
item 1317206722

EMC Tube Tester
item 1318247412

Lots of junk Command Sets
item 1318253901

thanks!

From 8767213875039255711
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c37af42d242796e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc8b1,1c37af42d242796e
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 10c2ee,1c37af42d242796e
X-Google-Attributes: gid10c2ee,public
X-Google-ArrivalTime: 2002-01-05 07:29:05 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed.direct.ca!look.ca!newsfeed1.earthlink.net!newsfeed2.earthlink.net!newsfeed.earthlink.net!news.mindspring.net!not-for-mail
From: David Stinson <arc5@ix.netcom.com>
Newsgroups: rec.radio.amateur.boatanchors,rec.antiques.radio+phono,rec.ham-radio
Subject: Re: FA: several interesting items
Date: Sat, 05 Jan 2002 09:27:41 -0600
Organization: MindSpring Enterprises
Lines: 30
Message-ID: <3C371B6D.CB43487E@ix.netcom.com>
References: <3c365c7d.5236148@151.164.30.42>
NNTP-Posting-Host: c7.ae.16.f9
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Server-Date: 5 Jan 2002 15:28:29 GMT
X-Mailer: Mozilla 4.78 [en] (Win98; U)
X-Accept-Language: en
To: duckyman@swbell.net
Xref: archiver1.google.com rec.radio.amateur.boatanchors:15906 rec.antiques.radio+phono:57385

Thank you for letting us know.

I appreciate pointers like this.
They save me a lot of time and are
more likely to get bids from me.

duckyman@swbell.net wrote:
>
> AT&T 1A Code Key
> item 1317078507
>
> Zenith Trans-Oceanic H500
> item 1317099291
>
> LM-21 signal generator
> item 1317108354
>
> Eico 710 Grid Dip Osc. (GDO)
> item 1317116498
>
> A real Q5-er
> item 1317206722
>
> EMC Tube Tester
> item 1318247412
>
> Lots of junk Command Sets
> item 1318253901
>
> thanks!

From -1880268447763551087
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c37af42d242796e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc8b1,1c37af42d242796e
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 10c2ee,1c37af42d242796e
X-Google-Attributes: gid10c2ee,public
X-Google-ArrivalTime: 2002-01-06 09:48:30 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!canoe.uoregon.edu!arclight.uoregon.edu!wn4feed!worldnet.att.net!135.173.83.71!wnfilter1!worldnet-localpost!bgtnsc04-news.ops.worldnet.att.net.POSTED!not-for-mail
From: "Ken Doyle" <kensoldradiorepair@yahoo.com>
Newsgroups: rec.radio.amateur.boatanchors,rec.antiques.radio+phono,rec.ham-radio
References: <3c365c7d.5236148@151.164.30.42>
Subject: Re: several interesting items
Lines: 35
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200

Message-ID: <M50_7.342107$W8.12676149@bgtnsc04-news.ops.worldnet.att.net>
Date: Sun, 06 Jan 2002 17:48:28 GMT
NNTP-Posting-Host: 12.89.143.154
X-Complaints-To: abuse@worldnet.att.net
X-Trace: bgtnsc04-news.ops.worldnet.att.net 1010339308 12.89.143.154 (Sun, 06 Jan 2002 17:48:28 GMT)
NNTP-Posting-Date: Sun, 06 Jan 2002 17:48:28 GMT
Organization: AT&T Worldnet
Xref: archiver1.google.com rec.radio.amateur.boatanchors:15948 rec.antiques.radio+phono:57595

Hi. I'm not crazy about having FA posts here, but I thank you for:

a) having "FA" in the header
b) putting all your items in one post.

This procedure makes it easy to read or not read.

Ken D.

<duckyman@swbell.net> wrote in message news:3c365c7d.5236148@151.164.30.42...
> AT&T 1A Code Key
> item 1317078507
>
> Zenith Trans-Oceanic H500
> item 1317099291
>
> LM-21 signal generator
> item 1317108354
>
> Eico 710 Grid Dip Osc. (GDO)
> item 1317116498
>
> A real Q5-er
> item 1317206722
>
> EMC Tube Tester
> item 1318247412
>
> Lots of junk Command Sets
> item 1318253901
>
> thanks!

From 2536513273940335542
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,fd17e47601e1afeb
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,fd17e47601e1afeb

```
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,fd17e47601e1afeb
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2002-01-11 09:20:19 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!wn1feed!worldnet.att.net!204.127.198.203!attbi_feed3!
attbi.com!rwcrnsc51.ops.asp.att.net.POSTED!not-for-mail
From: "Tazanator" <tazanator1@attbi.com>
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.radio.swap
References: <aadO7.70769$Ze5.40209307@news1.rdc1.md.home.com>
<3C1F85C1.F730BEE1@world.net> <cfa544dd.0201041710.3a27a6f2@posting.google.com>
Subject: Re: Paypal
Lines: 38
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <n9F%7.5347$uA.48027@rwcrnsc51.ops.asp.att.net>
NNTP-Posting-Host: 12.247.98.156
X-Complaints-To: abuse@attbi.com
X-Trace: rwcrnsc51.ops.asp.att.net 1010769619 12.247.98.156 (Fri, 11 Jan 2002
17:20:19 GMT)
NNTP-Posting-Date: Fri, 11 Jan 2002 17:20:19 GMT
Organization: AT&T Broadband
Date: Fri, 11 Jan 2002 17:20:19 GMT
Xref: archiver1.google.com alt.ham-radio.marketplace:7521 rec.radio.swap:53650
```

well I actually took one guy to small claims court...just getting the notice made him call and settle the deal.

```
"AL Alexander" <k3roj@k3roj.com> wrote in message
news:cfa544dd.0201041710.3a27a6f2@posting.google.com...
> Marylou@world.net wrote in message news:<3C1F85C1.F730BEE1@world.net>...
> > I used paypal and got stung.  They refused to get involved or refund any
> > money.  I contacted the FBI Internet Fraud Unit and my credit card
company and
> > got my money ($275) returned.
> >
> > Richard Malone wrote:
> >
> > > Recently I remember seeing a post about problems with Paypal.  A few
weeks
> > > ago, I purchased a Icom ht off of Ebay.  The seller (another ham
operator)
> > > asked to be paid with Paypal.  When I received the radio, it had no
output
> > > power.  He now says it's an old radio, what did I expect.  I have been
> > > through the Square Trade process which is a joke.  What other recourse
is
> > > there with Paypal?  Any experiences out there?
> > >
> > > Richard, n3fif
>
```

> I have also been burned on E-BAY using Pay Pal. Of course I could
> have been burned using a money order also. I had won a bid on a piece
> of test equipment which was only $50 (it didn't work) which surprised
> me because it is worth much more if it functions. Perhaps people knew
> this guy and didn't bid? Anyway, I complained to E-BAY online and got
> an automated response and forget trying to get through on the phone.
> I wanted revenge and began hounding this guy on E-BAY and sending
> e-mails to his top bidders. He got the idea and changed his user name.
> From now on, I just look and unless the person is local, I move on.
> K3ROJ   AL

From -2454470658636054788
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,660b4b7a8a4b8b9e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f557d,660b4b7a8a4b8b9e,start
X-Google-Attributes: gidf557d,public
X-Google-Thread: fe552,660b4b7a8a4b8b9e,start
X-Google-Attributes: gidfe552,public
X-Google-Thread: fa656,660b4b7a8a4b8b9e,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fddbf,660b4b7a8a4b8b9e,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 2002-01-12 11:32:58 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!cyclone.bc.net!
peer1-sjc1.usenetserver.com!fs01-sjc1.usenetserver.com!usenetserver.com!
filter.west.usenetserver.com!filter.usenetserver.com!e3500-atl1.usenetserver.com.POSTED!53ab2750!not-for-mail
From: "Keith Barnes" <ke5ga@bellsouth.net>
Newsgroups: es.rec.radio.amateur,in.ham-radio,rec.ham-radio,rec.ham-radio.packet,rec.radio.amateur
Subject: TS-850s and KAM
Lines: 15
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4807.1700
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4807.1700
Message-ID: <k3008.4552$V55.637689@e3500-atl1.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Sat, 12 Jan 2002 14:24:00 EST
Organization: BELLSOUTH.net
Date: Sat, 12 Jan 2002 13:27:22 -0600
Xref: archiver1.google.com es.rec.radio.amateur:2908 in.ham-radio:65
rec.radio.amateur:2858

Hi gang,

I have had problems with rf getting into the mic section of the 850 when a

KAM/KAM Plus is connected using the 13 pin plug. Kantronics had a fix by installing either a capacitor 1pf or so in the plug. Kenwood also had a fix but it required rig surgery. Anyone know the Kantronics recommended fix. I have been searching all over for it and have not had any luck and I can't seem to find my hand written documentation.

Thanks
Keith
W5KB

```
From 6785895429730056731
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b8b9345e1052f59c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,b8b9345e1052f59c,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: fb049,b8b9345e1052f59c,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,b8b9345e1052f59c,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-01-18 19:04:13 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!hub1.nntpserver.com!peer1-sjc1.usenetserver.com!
usenetserver.com!e3500-atl1.usenetserver.com.POSTED!53ab2750!not-for-mail
Reply-To: "Jim Henson" <kg4kcm@hotmail.com>
From: "Jim Henson" <kg4kcm@hotmail.com>
Newsgroups: alabama.birmingham.radio.amateur,alt.ham-radio,alt.ham-radio.vhf-
uhf,rec.ham-radio
Subject: Need info on a radio.....
Lines: 19
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <fe528.13569$Ee7.914686@e3500-atl1.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Fri, 18 Jan 2002 21:55:07 EST
Organization: BELLSOUTH.net
Date: Fri, 18 Jan 2002 21:04:11 -0600
Xref: archiver1.google.com alabama.birmingham.radio.amateur:479 alt.ham-radio.vhf-
uhf:7792
```

I've been doing searches on the web for info on a radio I got for 25 cents at a hamfest last year, but can't find anything. The FCC data sticker on the bottom says it's an SB-T45L/40, and it has the name Tempus 45 on it. It says it's made by SBE, Inc. or Watsonville Calif. Made in USA.

Does anyone know anything about this radio? What it is, it's specs, anything?

Answer by email if at all possible, I don't get to check the newsgroups very often.

Thanks,

Jim Henson
KG4KCM
kg4kcm@hotmail.com

```
From -8762554018587866745
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b8b9345e1052f59c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,b8b9345e1052f59c
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 10ed5f,b8b9345e1052f59c
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,b8b9345e1052f59c
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2002-01-19 05:07:33 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-post-02!sn-post-01!
supernews.com!corp.supernews.com!not-for-mail
From: "john graesser" <graesser@tca.net>
Newsgroups: alabama.birmingham.radio.amateur,alt.ham-radio,alt.ham-radio.vhf-
uhf,rec.ham-radio
Subject: Re: Need info on a radio.....
Date: Sat, 19 Jan 2002 07:09:58 -0600
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <u4irsknrvnca53@corp.supernews.com>
References: <fe528.13569$Ee7.914686@e3500-atl1.usenetserver.com>
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4807.1700
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4807.1700
X-Complaints-To: newsabuse@supernews.com
Lines: 31
Xref: archiver1.google.com alabama.birmingham.radio.amateur:482 alt.ham-radio.vhf-
uhf:7794
```

"Jim Henson" <kg4kcm@hotmail.com> wrote in message
news:fe528.13569$Ee7.914686@e3500-atl1.usenetserver.com...

> I've been doing searches on the web for info on a radio I got for 25
> cents at a hamfest last year, but can't find anything. The FCC data

```
sticker
> on the bottom says it's an SB-T45L/40, and it has the name Tempus 45 on
it.
> It says it's made by SBE, Inc. or Watsonville Calif.  Made in USA.
>
>     Does anyone know anything about this radio?  What it is, it's specs,
> anything?
>
>     Answer by email if at all possible, I don't get to check the
newsgroups
> very often.
>
> Thanks,
>
> Jim Henson
> KG4KCM
> kg4kcm@hotmail.com

Are you sure it is a radio? A quick search of the web shows SBE as a
communications controller manufacturer. What they make are basically
something like  tnc's without the modem. They even use X25 protocol.
thanks, John.
KC5DWD






From 8298651908787173139
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10aaeb,b8b9345e1052f59c
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 10c9e3,b8b9345e1052f59c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,b8b9345e1052f59c
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,b8b9345e1052f59c
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-01-19 06:34:56 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newsfeed1.cidera.com!Cidera!cyclone2.usenetserver.com!
usenetserver.com!news01.optonline.net!news02.optonline.net.POSTED!not-for-mail
From: "Dave Larsen" <ws2l@optonline.net>
Newsgroups: alabama.birmingham.radio.amateur,alt.ham-radio,alt.ham-radio.vhf-
uhf,rec.ham-radio
References: <fe528.13569$Ee7.914686@e3500-atl1.usenetserver.com>
<u4irsknrvnca53@corp.supernews.com>
Subject: Re: Need info on a radio.....
Lines: 3
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4807.1700
X-MIMEOLE: Produced By Microsoft MimeOLE V5.50.4807.1700
```

Message-ID: <euf28.23840$8P3.4586536@news02.optonline.net>
Date: Sat, 19 Jan 2002 14:34:50 GMT
NNTP-Posting-Host: 67.80.221.151
X-Trace: news02.optonline.net 1011450890 67.80.221.151 (Sat, 19 Jan 2002 09:34:50 EST)
NNTP-Posting-Date: Sat, 19 Jan 2002 09:34:50 EST
Organization: Optimum Online
Xref: archiver1.google.com alabama.birmingham.radio.amateur:483 alt.ham-radio.vhf-uhf:7795

SBE made CB radio's during the 70's and very early 80's

From 50894658084409555
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b8b9345e1052f59c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,b8b9345e1052f59c
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 10ed5f,b8b9345e1052f59c
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,b8b9345e1052f59c
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2002-01-21 15:13:42 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!newsfeed.direct.ca!look.ca!newsfeed1.cidera.com!Cidera!cyclone.tampabay.rr.com!cyclone.austin.rr.com!typhoon.austin.rr.com.POSTED!53ab2750!not-for-mail
From: "jeff" <w5omr-anti-spam@w5omr.antispam.shacknet.nu>
Newsgroups: alabama.birmingham.radio.amateur,alt.ham-radio,alt.ham-radio.vhf-uhf,rec.ham-radio
References: <fe528.13569$Ee7.914686@e3500-atl1.usenetserver.com> <u4irsknrvnca53@corp.supernews.com> <euf28.23840$8P3.4586536@news02.optonline.net>
Subject: Re: Need info on a radio.....
Lines: 18
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <Ee138.22008$XZ1.1314291@typhoon.austin.rr.com>
Date: Mon, 21 Jan 2002 23:11:32 GMT
NNTP-Posting-Host: 24.167.109.251
X-Complaints-To: abuse@rr.com
X-Trace: typhoon.austin.rr.com 1011654692 24.167.109.251 (Mon, 21 Jan 2002 17:11:32 CST)
NNTP-Posting-Date: Mon, 21 Jan 2002 17:11:32 CST
Organization: Road Runner - Texas
Xref: archiver1.google.com alabama.birmingham.radio.amateur:487 alt.ham-radio.vhf-uhf:7845

They even made Ham transceivers around that time.
the SBE33 and 34 HF rigs come immediately to mind.

Best I can recall, SBE had a complete line of Ham
Gear.

--
Regards,
-Jeff/W5omr

"Dave Larsen" <ws2l@optonline.net> wrote in message
news:euf28.23840$8P3.4586536@news02.optonline.net...
: SBE made CB radio's during the 70's and very early 80's
:
:

From 2821889660716887763
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b8b9345e1052f59c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,b8b9345e1052f59c
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 10ed5f,b8b9345e1052f59c
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,b8b9345e1052f59c
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2002-01-24 20:58:47 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!news.home.com!
news2.nash1.tn.home.com.POSTED!not-for-mail
Reply-To: "Help Her" <jr4u@hotmail.com>
From: "Help Her" <jr4u@hotmail.com>
Newsgroups: alabama.birmingham.radio.amateur,alt.ham-radio,alt.ham-radio.vhf-uhf,rec.ham-radio
References: <fe528.13569$Ee7.914686@e3500-atl1.usenetserver.com>
Subject: Re: Need info on a radio.....
Lines: 29
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <aC548.3550$9A5.605353@news2.nash1.tn.home.com>
Date: Fri, 25 Jan 2002 04:58:46 GMT
NNTP-Posting-Host: 24.15.79.157
X-Complaints-To: abuse@home.net
X-Trace: news2.nash1.tn.home.com 1011934726 24.15.79.157 (Thu, 24 Jan 2002 20:58:46 PST)
NNTP-Posting-Date: Thu, 24 Jan 2002 20:58:46 PST
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com alabama.birmingham.radio.amateur:499 alt.ham-radio.vhf-uhf:7908

If it was when they were in the ham radio mfg business, try a search for
Side Band Engineering. Thats who it was at that time. Hope that helps
"Jim Henson" <kg4kcm@hotmail.com> wrote in message
news:fe528.13569$Ee7.914686@e3500-atl1.usenetserver.com...
>   I've been doing searches on the web for info on a radio I got for 25
> cents at a hamfest last year, but can't find anything. The FCC data
sticker
> on the bottom says it's an SB-T45L/40, and it has the name Tempus 45 on
it.
> It says it's made by SBE, Inc. or Watsonville Calif. Made in USA.
>
>   Does anyone know anything about this radio? What it is, it's specs,
> anything?
>
>   Answer by email if at all possible, I don't get to check the
newsgroups
> very often.
>
> Thanks,
>
> Jim Henson
> KG4KCM
> kg4kcm@hotmail.com
>
>
>
>

From 8192889972543018374
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,534592df2135e0a0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,534592df2135e0a0,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,534592df2135e0a0,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,534592df2135e0a0,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc2a5,534592df2135e0a0,start
X-Google-Attributes: gidfc2a5,public
X-Google-ArrivalTime: 2002-01-26 13:42:33 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!cyclone.bc.net!
torn!nf1.bellglobal.com!nf2.bellglobal.com!news20.bellglobal.com.POSTED!
209.128.1.3!142.163.65.160
From: "Brad Sheppard & Jenn Kettle" <bradjenn@nf.sympatico.ca>
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec
.radio.amateur.misc
Subject: DS-1A converter for Kenwood TS520S

Lines: 15
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Message-ID: <3c5320c9.0@209.128.1.3>
Date: Sat, 26 Jan 2002 18:02:31 -0330
NNTP-Posting-Host: 209.128.1.3
X-Complaints-To: abuse@sympatico.ca
X-Trace: news20.bellglobal.com 1012080732 209.128.1.3 (Sat, 26 Jan 2002 16:32:12 EST)
NNTP-Posting-Date: Sat, 26 Jan 2002 16:32:12 EST
Organization: Bell Sympatico
Xref: archiver1.google.com rec.radio.amateur:2974
rec.radio.amateur.equipment:24257 rec.radio.amateur.homebrew:11203
rec.radio.amateur.misc:24930

A few years ago someone mailed a solution to the following problem to me,
but I have since lost it.

I have a Kenwood TS-520S, and I am wondering if anyone knows how to make a
homebrew power converter for the radio so I can run it from battery power.

Please respond via e-mail as I don't check the newsgroups often.

Thanks in advance,

Brad Sheppard
VO1XA

From 5604174185417959890
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,35890c4e27d110d1,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,35890c4e27d110d1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,35890c4e27d110d1,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,35890c4e27d110d1,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 114a57,35890c4e27d110d1,start
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2002-01-29 15:36:16 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!wn1feed!wn2feed!worldnet.att.net!204.127.198.204!
attbi_feed4!attbi.com!rwcrnsc51.ops.asp.att.net.POSTED!not-for-mail
Reply-To: "ham-medic" <n6ttd@spamsuxarrl.net>
From: "ham-medic" <n6ttd@spamsuxarrl.net>
Newsgroups: alt.ham-radio,alt.ham-radio.hf,alt.ham-

radio.marketplace,alt.radio.amateur,rec.ham-radio
Subject: FA: Hustler 5 BTV
Lines: 8
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <LlG58.2947$Tu1.3769@rwcrnsc51.ops.asp.att.net>
NNTP-Posting-Host: 12.246.170.1
X-Complaints-To: abuse@attbi.com
X-Trace: rwcrnsc51.ops.asp.att.net 1012347371 12.246.170.1 (Tue, 29 Jan 2002
23:36:11 GMT)
NNTP-Posting-Date: Tue, 29 Jan 2002 23:36:11 GMT
Organization: AT&T Broadband
Date: Tue, 29 Jan 2002 23:36:11 GMT
Xref: archiver1.google.com alt.ham-radio.hf:1688 alt.ham-radio.marketplace:7868

Hustler 5 BTV 80-10 m vert. antenna. 2 weeks old. Selling to buy a beam.
Like new.

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1329151632

From 2228170057702725457
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b8b9345e1052f59c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,b8b9345e1052f59c
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 10ed5f,b8b9345e1052f59c
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,b8b9345e1052f59c
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2002-01-29 16:12:10 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!news.tele.dk!
small.news.tele.dk!128.230.129.106!news.maxwell.syr.edu!newsfeed.wirehub.nl!
64.154.60.70.MISMATCH!newsfeeds-atl2!e3500-atl1.usenetserver.com.POSTED!53ab2750!
not-for-mail
Reply-To: "Jim Henson" <kg4kcm@hotmail.com>
From: "Jim Henson" <kg4kcm@hotmail.com>
Newsgroups: alabama.birmingham.radio.amateur,alt.ham-radio,alt.ham-radio.vhf-
uhf,rec.ham-radio
References: <fe528.13569$Ee7.914686@e3500-atl1.usenetserver.com>
<aC548.3550$9A5.605353@news2.nash1.tn.home.com>
Subject: Re: Need info on a radio.....
Lines: 10
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000

```
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <LKG58.125894$Ee7.8660164@e3500-atl1.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Tue, 29 Jan 2002 19:02:51 EST
Organization: BELLSOUTH.net
Date: Tue, 29 Jan 2002 18:12:07 -0600
Xref: archiver1.google.com alabama.birmingham.radio.amateur:504 alt.ham-radio.vhf-
uhf:7960


"Help Her" <jr4u@hotmail.com> wrote in message
news:aC548.3550$9A5.605353@news2.nash1.tn.home.com...
> If it was when they were in the ham radio mfg business, try a search for
> Side Band Engineering. Thats who it was at that time. Hope that helps

    Thanks.  I ended up pulling some parts off of it and tossing it in the
trash.






From 5903335036234823859
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,830a69b6ce3eb4b,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,830a69b6ce3eb4b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,830a69b6ce3eb4b,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,830a69b6ce3eb4b,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,830a69b6ce3eb4b,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114a57,830a69b6ce3eb4b,start
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2002-02-02 16:53:04 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newsfeed.cwix.com!newscon01.news.prodigy.com!
newsmst01.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr16.news.prodigy.com.POSTED!not-for-mail
From: "North Georgia Web Designs" <ngwd@ngwd.com>
Newsgroups: alt.ham-radio.hf,alt.ham-radio.marketplace,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur.swap,rec.radio.swap
Subject: FS: ICOM IC-737 HF RIG
Lines: 16
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4807.1700
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4807.1700
Message-ID: <4R%68.19189$fH3.2848083128@newssvr16.news.prodigy.com>
```

NNTP-Posting-Host: 65.58.22.199
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr16.news.prodigy.com 1012697536 ST000 65.58.22.199 (Sat, 02 Feb 2002 19:52:16 EST)
NNTP-Posting-Date: Sat, 02 Feb 2002 19:52:16 EST
Organization: Prodigy Internet http://www.prodigy.com
X-UserInfo1: SCSYQNON[[_]ADH]HBHF__TA[X_LPO@FCIXNMRQIMASJETAANVW[AKWZE\]^XQWIGNE_[EBL@^_\^JOCQ^RSNVLGTFTKHTXHHP[NB_C@\SD@EP_[KCXX__AGDDEKGFNB\ZOKLRNCY_CGG[RHT_UN@C_BSY\G__IJIX_PLSA[CCFAULEY\FL\VLGANTQQ]FN
Date: Sun, 03 Feb 2002 00:52:16 GMT
Xref: archiver1.google.com alt.ham-radio.hf:1709 alt.ham-radio.marketplace:7912 rec.ham-radio.swap:1491 rec.radio.amateur.swap:2298 rec.radio.swap:55968

For Sale. This is an Icom IC-737 transceiver covering 160 - 10 meters. Built-In Antenna Tuner. No Mic is included with Rig. I'm using a GOLDLINE mic and use it with my other rigs. I Do have Copy Of Owners Manual. Works perfectly in all modes and on all bands. This is a 12 volt DC rig, and would require a 12 volt DC / 20 amp power supply for base operation. I do have the wiring harness for the rig. Payment is Cashier's Check, Postal Money Order, or Paypal! Rig will be send out after funds are received the NEXT business day. I try to personally check out each item I list for sell/trade, and to describe each item completely & carefully. However, since most of these items are used electronic pieces all items are sold "as is". Please contact me for any further information. Pictures can be email as requested.
Feel free to call with any questions 678-227-2661.

$530.00 + Shipping

From 2421031618238140950
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,36add693bb77505e,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,36add693bb77505e,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,36add693bb77505e,start
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2002-02-03 15:07:41 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed.cwix.com!wn2feed!worldnet.att.net!204.127.198.203!attbi_feed3!attbi.com!rwcrnsc53.POSTED!not-for-mail
Reply-To: "R.U. Amused?" <n6ttd@spamsuxarrl.net>
From: "R.U. Amused?" <n6ttd@spamsuxarrl.net>
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-radio
Subject: CC&R's and antennas????
Lines: 18

X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <1pj78.13909$S06.50196@rwcrnsc53>
NNTP-Posting-Host: 12.246.170.1
X-Complaints-To: abuse@attbi.com
X-Trace: rwcrnsc53 1012777661 12.246.170.1 (Sun, 03 Feb 2002 23:07:41 GMT)
NNTP-Posting-Date: Sun, 03 Feb 2002 23:07:41 GMT
Organization: AT&T Broadband
Date: Sun, 03 Feb 2002 23:07:41 GMT
Xref: archiver1.google.com rec.radio.amateur.antenna:38803 rec.radio.amateur:3047

Hello All;

I live an a development in California that has CC&R's, restrictive to all types of external antennas, including satellite dishes. I need to erect an antenna to use with my amateur radio, and I was wondering if anyone else went up against CC&R's with an antenna, and what was the ending result. CC&R's are part of every new development out here; you can't buy a new house without them, effectively eliminating amateurs from operating. My CC&R's are not even linked to a homeowners association, so I am wondering how enforceable they are.

Any comments or suggestions are appreciated.

James
n6ttd@arrl.net

From 9029440531861961708
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,36add693bb77505e
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-02-03 15:30:00 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!cpk-news-hub1.bbnplanet.com!news.gtei.net!newsfeed1.cidera.com!Cidera!cyclone.tampabay.rr.com!news-post.tampabay.rr.com!typhoon.tampabay.rr.com.POSTED!not-for-mail
Message-ID: <3C5DC567.F6980227@tampabay.rr.com>
From: Dennis Kaylor <k4oxg@tampabay.rr.com>
X-Mailer: Mozilla 4.79 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0

Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-radio
Subject: Re: CC&R's and antennas????
References: <1pj78.13909$S06.50196@rwcrnsc53>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 31
Date: Sun, 03 Feb 2002 23:19:09 GMT
NNTP-Posting-Host: 65.32.136.177
X-Complaints-To: abuse@rr.com
X-Trace: typhoon.tampabay.rr.com 1012778349 65.32.136.177 (Sun, 03 Feb 2002 18:19:09 EST)
NNTP-Posting-Date: Sun, 03 Feb 2002 18:19:09 EST
Organization: RoadRunner - TampaBay
Xref: archiver1.google.com rec.radio.amateur.antenna:38805 rec.radio.amateur:3048

hey dont let them BS you there are many ways to play radio with out them even
seeing an antenna check your restrictions and if you can have a flagpole you can
make one out of PVC pipe and hide a multiband HF vertical inside of it
or you can string a wire around the roof line of the house telling the housiung
nazis that it is an antifungal strip what do they know...grin just buy a bunch
of those 1 inch stand offs from radio shack and string the wire thru them and
then run it into the house to a tuner
there are also ways to play VHF/UHF there is a weathervane antenna as well as
the ventenna so you can play it just takes a little effort and thought
or move...grin
good luck

"R.U. Amused?" wrote:

> Hello All;
>
> I live an a development in California that has CC&R's, restrictive to all
> types of external antennas, including satellite dishes. I need to erect an
> antenna to use with my amateur radio, and I was wondering if anyone else
> went up against CC&R's with an antenna, and what was the ending result.
> CC&R's are part of every new development out here; you can't buy a new house
> without them, effectively eliminating amateurs from operating. My CC&R's are
> not even linked to a homeowners association, so I am wondering how
> enforceable they are.
>
> Any comments or suggestions are appreciated.
>
> James
> n6ttd@arrl.net

From 1436797231434316608
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public

```
X-Google-Thread: fa656,36add693bb77505e
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2002-02-03 15:51:21 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!howland.erols.net!news-
out.worldnet.att.net.MISMATCH!wn3feed!worldnet.att.net!204.127.198.204!
attbi_feed4!attbi.com!rwcrnsc54.POSTED!not-for-mail
Reply-To: "R.U. Amused?" <n6ttd@spamsuxarrl.net>
From: "R.U. Amused?" <n6ttd@spamsuxarrl.net>
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-
radio
References: <1pj78.13909$S06.50196@rwcrnsc53> <3C5DC567.F6980227@tampabay.rr.com>
Subject: Re: CC&R's  and antennas????
Lines: 56
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <Y1k78.13814$Ri2.45536@rwcrnsc54>
NNTP-Posting-Host: 12.246.170.1
X-Complaints-To: abuse@attbi.com
X-Trace: rwcrnsc54 1012780280 12.246.170.1 (Sun, 03 Feb 2002 23:51:20 GMT)
NNTP-Posting-Date: Sun, 03 Feb 2002 23:51:20 GMT
Organization: AT&T Broadband
Date: Sun, 03 Feb 2002 23:51:20 GMT
Xref: archiver1.google.com rec.radio.amateur.antenna:38809 rec.radio.amateur:3049
```

Verticals don't seem to work (crappy soil conditions, and I don't have room for radiators. All houses in the area are two story houses, so I really want to get the antenna above them also. I also have a nice beam that I want to put up. I just want to try to buck the system, and wanted advice on it. If it doesn't work though, I certainly will try the stealth approach.

TNX.

JT
N6TTD@arrl.net

"Dennis Kaylor" <k4oxg@tampabay.rr.com> wrote in message
news:3C5DC567.F6980227@tampabay.rr.com...

> hey dont let them BS you there are many ways to play radio with out them
even
> seeing an antenna check your restrictions and if you can have a flagpole
you can
> make one out of PVC pipe and hide a multiband HF vertical inside of it
> or you can string a wire around the roof line of the house telling the
housiung
> nazis that it is an antifungal strip what do they know...grin just buy a
bunch

```
> of those 1 inch stand offs from radio shack and string the wire thru them
and
> then run it into the house to a tuner
> there are also ways to play VHF/UHF there is a weathervane antenna as well
as
> the ventenna so you can play it just takes a little effort and thought
> or move...grin
> good luck
>
>
> "R.U. Amused?" wrote:
>
> > Hello All;
> >
> > I live an a development in California that has CC&R's, restrictive to
all
> > types of external antennas, including satellite dishes. I need to erect
an
> > antenna to use with my amateur radio, and I was wondering if anyone else
> > went up against CC&R's with an antenna, and what was the ending result.
> > CC&R's are part of every new development out here; you can't buy a new
house
> > without them, effectively eliminating amateurs from operating. My CC&R's
are
> > not even linked to a homeowners association, so I am wondering how
> > enforceable they are.
> >
> > Any comments or suggestions are appreciated.
> >
> > James
> > n6ttd@arrl.net
>




From -3020429309927300616
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,36add693bb77505e
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-02-03 16:34:25 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!paloalto-
snf1.gtei.net!paloalto-snh1.gtei.net!news.gtei.net!paloalto-snr2.gtei.net.POSTED!
not-for-mail
From: "W6DKN" <w6dkn@qsl.net>
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-
radio
```

References: <1pj78.13909$S06.50196@rwcrnsc53>
Subject: Re: CC&R's and antennas????
Lines: 43
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <8Gk78.1953$uh3.1274986@paloalto-snr2.gtei.net>
X-Trace:
+r4CDnALFBJmsFoLNROitnPiaQNcXtoIx6uuMN7IdOmJdd59rELmG9CzvcJgcaKDxZ4it3Y3Qixh!
ctl1BLNeqiMcCB0y2Vcu1Ys5unEZBPHPFx6BQgFsubvxQ3FHeuhzqAd9JZPFdfn9FUeauTuFD3DM!
dtCIPHvmu/wE
X-Complaints-To: abuse@gtei.net
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
NNTP-Posting-Date: Mon, 04 Feb 2002 00:34:12 GMT
Distribution: world
Date: Mon, 04 Feb 2002 00:34:12 GMT
Xref: archiver1.google.com rec.radio.amateur.antenna:38814 rec.radio.amateur:3050

"R.U. Amused?" <n6ttd@spamsuxarrl.net> wrote in message
news:1pj78.13909$S06.50196@rwcrnsc53...
> Hello All;
>
> I live an a development in California that has CC&R's, restrictive to all
> types of external antennas, including satellite dishes. I need to erect
an
> antenna to use with my amateur radio, and I was wondering if anyone else
> went up against CC&R's with an antenna, and what was the ending result.
> CC&R's are part of every new development out here; you can't buy a new
house
> without them, effectively eliminating amateurs from operating. My CC&R's
are
> not even linked to a homeowners association, so I am wondering how
> enforceable they are.
>
> Any comments or suggestions are appreciated.
>
> James
> n6ttd@arrl.net

A CC&R is a legal contract that you signed and agreed to. It is enforceable just like any other contract - especially in the People's Republic of California. But, like any other contract, if you have enough time and money you might be able to obtain some type of compromise or variance.

(Actually, there are a lot of houses in CA without any antenna restrictions - depending on where you want to live. When I bought my last house I saved myself a lot of grief by telling the Realtor that I was only interested in looking at houses that did not have any anti-antenna CC&R's or local ordinances. And before I signed the purchase agreement, I had this fact stipulated in the disclosure documents)

However, if you have an attic that you can string a dipole up in, you can still get on the air. It won't perform like a yagi at 80 feet, but you can still work the world with 100 watts...

Good Luck,

73 de W6DKN

```
From -1225135259574866195
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,36add693bb77505e
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-02-03 18:15:49 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!sn-xit-01!sn-
post-01!supernews.com!corp.supernews.com!not-for-mail
From: Bill Turner <w7ti@dslextreme.com>
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-
radio
Subject: Re: CC&R's  and antennas????
Date: Sun, 03 Feb 2002 18:15:37 -0800
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <eirr5uccr7glb9ivgmce8p45ap9q9c4r2q@4ax.com>
Reply-To: w7ti@dslextreme.com
References: <1pj78.13909$S06.50196@rwcrnsc53> <3C5DC567.F6980227@tampabay.rr.com>
X-Newsreader: Forte Agent 1.8/32.548
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Complaints-To: newsabuse@supernews.com
Lines: 16
Xref: archiver1.google.com rec.radio.amateur.antenna:38838 rec.radio.amateur:3051
```

On Sun, 03 Feb 2002 23:19:09 GMT, Dennis Kaylor <k4oxg@tampabay.rr.com> wrote:

>telling the housiung
>nazis that it is an antifungal strip what do they know...grin

____

They know that if it really is an antenna, you could be in big trouble.

Read the CC&R's very carefully, including the part about you paying attorney's fees and penalties.

Best to use an indoor antenna. Properly done, they work quite well.

Bill, W7TI

From 6959695398237214801
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,36add693bb77505e
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-02-03 19:32:26 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!cyclone.bc.net!newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!news.home.com!news2.nash1.tn.home.com.POSTED!not-for-mail
Message-ID: <3C5E017D.7D1B5D76@home.com>
From: Leland Cox <lcox107@home.com>
X-Mailer: Mozilla 4.75 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-radio
Subject: Re: CC&R's and antennas????
References: <1pj78.13909$S06.50196@rwcrnsc53>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 28
Date: Mon, 04 Feb 2002 03:32:25 GMT
NNTP-Posting-Host: 67.163.2.47
X-Complaints-To: abuse@home.net
X-Trace: news2.nash1.tn.home.com 1012793545 67.163.2.47 (Sun, 03 Feb 2002 19:32:25 PST)
NNTP-Posting-Date: Sun, 03 Feb 2002 19:32:25 PST
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com rec.radio.amateur.antenna:38845 rec.radio.amateur:3053

Check the ARRL site first. They have a lot of current information and even have a book on the subject. There is also a federal law that says they have to "make reasonable accommodations" for your antennas. It may take a court fight to make them comply.

Look around the neighborhood for other antennas. 8 Ft dishes in front yards or 100 ft CB towers may mean they are not enforcing the CC&Rs.

Read your CC&Rs! This month's QST has an article about a ham that won!

Les, AA4F

"R.U. Amused?" wrote:
>
> Hello All;
>
> I live an a development in California that has CC&R's, restrictive to all
> types of external antennas, including satellite dishes. I need to erect an
> antenna to use with my amateur radio, and I was wondering if anyone else
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> without them, effectively eliminating amateurs from operating. My CC&R's are
> not even linked to a homeowners association, so I am wondering how
> enforceable they are.
>
> Any comments or suggestions are appreciated.
>
> James
> n6ttd@arrl.net

From -4561350054126450596
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,36add693bb77505e
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2002-02-03 19:47:11 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
canoe.uoregon.edu!arclight.uoregon.edu!wn4feed!worldnet.att.net!204.127.198.203!
attbi_feed3!attbi.com!rwcrnsc51.ops.asp.att.net.POSTED!not-for-mail
Reply-To: "Cliff Holloway" <cholloway14@attbi.com>
From: "Cliff Holloway" <cholloway14@attbi.com>
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-radio
References: <1pj78.13909$S06.50196@rwcrnsc53>
Subject: Re: CC&R's and antennas????
Lines: 29
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
NNTP-Posting-Host: 12.253.59.241
X-Complaints-To: abuse@attbi.com
X-Trace: rwcrnsc51.ops.asp.att.net 1012794431 12.253.59.241 (Mon, 04 Feb 2002 03:47:11 GMT)

NNTP-Posting-Date: Mon, 04 Feb 2002 03:47:11 GMT
Organization: AT&T Broadband
Date: Mon, 04 Feb 2002 03:47:11 GMT
Xref: archiver1.google.com rec.radio.amateur.antenna:38849 rec.radio.amateur:3054

HI James,
 I have had in this situation for about 10 years.. check out my site for
some ideas... http://www.geocities.com/n0hc/
73 & Good Luck
Cliff N0HC
"R.U. Amused?" <n6ttd@spamsuxarrl.net> wrote in message
news:1pj78.13909$S06.50196@rwcrnsc53...
> Hello All;
>
> I live an a development in California that has CC&R's, restrictive to all
> types of external antennas, including satellite dishes. I need to erect an
> antenna to use with my amateur radio, and I was wondering if anyone else
> went up against CC&R's with an antenna, and what was the ending result.
> CC&R's are part of every new development out here; you can't buy a new
house
> without them, effectively eliminating amateurs from operating. My CC&R's
are
> not even linked to a homeowners association, so I am wondering how
> enforceable they are.
>
> Any comments or suggestions are appreciated.
>
> James
> n6ttd@arrl.net
>
>
>

From 4244170993355408084
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,36add693bb77505e
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2002-02-03 21:07:46 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
canoe.uoregon.edu!arclight.uoregon.edu!wn4feed!wn3feed!worldnet.att.net!
204.127.198.204!attbi_feed4!attbi_feed3!attbi.com!
rwcrnsc52.ops.asp.att.net.POSTED!not-for-mail
Reply-To: "R.U. Amused?" <n6ttd@spamsuxarrl.net>
From: "R.U. Amused?" <n6ttd@spamsuxarrl.net>

Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-radio
References: <1pj78.13909$S06.50196@rwcrnsc53>
<3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
Subject: Re: CC&R's and antennas????
Lines: 43
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
NNTP-Posting-Host: 12.246.170.1
X-Complaints-To: abuse@attbi.com
X-Trace: rwcrnsc52.ops.asp.att.net 1012799266 12.246.170.1 (Mon, 04 Feb 2002 05:07:46 GMT)
NNTP-Posting-Date: Mon, 04 Feb 2002 05:07:46 GMT
Organization: AT&T Broadband
Date: Mon, 04 Feb 2002 05:07:46 GMT
Xref: archiver1.google.com rec.radio.amateur.antenna:38850 rec.radio.amateur:3055

Thanks guys. It seems to me that the CC&R's have been "abandoned" in my area
(at least that is what my argument will be), based on the fact that they are
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basketball hoops left in the street, odd window decorations, etc. They can't
be selective about only enforcing my violation.

James

"Cliff Holloway" <cholloway14@attbi.com> wrote in message
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```
> >
> > James
> > n6ttd@arrl.net
> >
> >
> >
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>
```

```
From -7227020160341192406
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,36add693bb77505e
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2002-02-04 02:45:55 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
logbridge.uoregon.edu!hub1.nntpserver.com!feed.cgocable.net!cy2!cy1!
newsfeed.shawcable.com!pd2nf1so.cg.shawcable.net!residential.shaw.ca!sea-
feed.news.verio.net!news.verio.net!quark.scn.rain.com!not-for-mail
From: Bill Nelson <billn@spock.peak.org>
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-
radio
Subject: Re: CC&R's  and antennas????
Date: Mon, 4 Feb 2002 10:46:24 +0000 (UTC)
Organization: Bill's eclectic interest group
Lines: 18
Message-ID: <a3loq0$ggq$11@quark.scn.rain.com>
References: <1pj78.13909$S06.50196@rwcrnsc53> <3C5E017D.7D1B5D76@home.com>
NNTP-Posting-Host: spock.peak.org
X-Trace: quark.scn.rain.com 1012819584 16922 198.88.144.25 (4 Feb 2002 10:46:24
GMT)
X-Complaints-To: abuse@news.scn.rain.com
NNTP-Posting-Date: Mon, 4 Feb 2002 10:46:24 +0000 (UTC)
User-Agent: tin/pre-1.4-19990216 ("Styrofoam") (UNIX) (Linux/2.2.19 (i686))
Xref: archiver1.google.com rec.radio.amateur.antenna:38858 rec.radio.amateur:3059
```

In rec.radio.amateur.antenna Leland Cox <lcox107@home.com> wrote:

> Check the ARRL site first. They have a lot of current information and
> even have a book on the subject. There is also a federal law that says
> they have to "make reasonable accommodations" for your antennas. It may
> take a court fight to make them comply.

This does not apply to CC&Rs - only to local/state laws and regulations.

> Look around the neighborhood for other antennas. 8 Ft dishes in front

> yards or 100 ft CB towers may mean they are not enforcing the CC&Rs.
> Read your CC&Rs! This month's QST has an article about a ham that won!

It would be nice if the courts were consistant in such rulings. But
this is the first, if it is indeed about beating some CC&R.

--
Bill Nelson   (billn@peak.org)

From -7142380888691611193
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,36add693bb77505e
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2002-02-04 02:47:33 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
logbridge.uoregon.edu!hub1.nntpserver.com!feed.cgocable.net!cy2!cy1!
newsfeed.shawcable.com!pd2nf1so.cg.shawcable.net!residential.shaw.ca!sea-feed.news.verio.net!news.verio.net!quark.scn.rain.com!not-for-mail
From: Bill Nelson <billn@spock.peak.org>
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-radio
Subject: Re: CC&R's and antennas????
Date: Mon, 4 Feb 2002 10:48:00 +0000 (UTC)
Organization: Bill's eclectic interest group
Lines: 14
Message-ID: <a3lot0$ggq$12@quark.scn.rain.com>
References: <1pj78.13909$S06.50196@rwcrnsc53>
<3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
NNTP-Posting-Host: spock.peak.org
X-Trace: quark.scn.rain.com 1012819680 16922 198.88.144.25 (4 Feb 2002 10:48:00 GMT)
X-Complaints-To: abuse@news.scn.rain.com
NNTP-Posting-Date: Mon, 4 Feb 2002 10:48:00 +0000 (UTC)
User-Agent: tin/pre-1.4-19990216 ("Styrofoam") (UNIX) (Linux/2.2.19 (i686))
Xref: archiver1.google.com rec.radio.amateur.antenna:38859 rec.radio.amateur:3060

In rec.radio.amateur.antenna R.U. Amused? <n6ttd@spamsuxarrl.net> wrote:
> Thanks guys. It seems to me that the CC&R's have been "abandoned" in my area
> (at least that is what my argument will be), based on the fact that they are
> not enforcing the ban on satellite dishes, cars parked in the streets,
> basketball hoops left in the street, odd window decorations, etc. They can't
> be selective about only enforcing my violation.

That is exactly true. Either they all have to be enforced - or none can

be enforced. Of course, you might have to spend a bunch of money in court
to get relief.

--
Bill Nelson   (billn@peak.org)

From -6329332245347043167
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0a02ed50dca8891,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fac3b,7d1dd1393f71acae
X-Google-Attributes: gidfac3b,public
X-Google-ArrivalTime: 2002-02-04 07:18:04 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
newsfeeds.belnet.be!news.belnet.be!opentransit.net!wanadoo.fr!MURHUX.ORG.TW!VOXWIN
From: Harvey Di Vinci <VOXWIN@MURHUX.ORG.TW>
Newsgroups: rec.ham-radio,soc.history.what-if
Subject: READ THE WEB-SITE THAT THE KIKES TRY TO CENSOR
Date: Mon, 4 Feb 2002 14:36:44 GMT
Organization: Wanadoo, l'internet avec France Telecom
Lines: 55
Message-ID: <6lRK2MhV$NVRgq.6741256@news.wanadoo.fr>
NNTP-Posting-Host: aste-genev-bois-102-2-1-13.abo.wanadoo.fr
X-Trace: wanadoo.fr 1012835883 21466 193.252.220.13 (4 Feb 2002 15:18:03 GMT)
X-Complaints-To: abuse@wanadoo.fr
NNTP-Posting-Date: 4 Feb 2002 15:18:03 GMT
Xref: archiver1.google.com soc.history.what-if:204856

WWW.GIWERSWORLD.ORG
THE SITE WHERE ALL KIKES ARE LAMPSHADES

PROUDLY PRESENTED BY

MATTHIAS GIWER
14205 N. NEBRASKA AVE
TAMPA FLORIDA

813-977-7380

jull43@tampabay.rr.com
matt@giwersworld.org

PROUDLY HOSTED BY:

DREAMHOST WEB HOSTING

213-947-1032

They are living for weird, at lost, for filthy pins. We waste them, then we smartly judge Mary and Allen's quiet twig.

If you'll sow Shelly's hill with lentils, it'll regularly excuse the game. For Marla the jar's kind, among me it's closed, whereas before you it's covering noisy. Lately, drapers care towards wet ladders, unless they're younger. Who did Yvette order the paper around the short raindrop? Raoul, above oranges fat and blank, solves outside it, jumping believably. She wants to move unique coconuts outside Gregory's ocean. A lot of cases will be cheap cosmetic enigmas. Almost no angry dull spoon teases tyrants below Peter's deep painter. She may shout admiringly if Martha's diet isn't glad. Occasionally, Dolf never dreams until Franklin changes the solid porter frantically. Hector! You'll walk tags. Lately, I'll attempt the egg. Charlene, still nibbling, wanders almost weekly, as the pumpkin creeps on their plate. Tell Chuck it's young helping at a wrinkle. Some weavers recollect, explain, and scold. Others totally mould. Otherwise the coffee in Garrick's tailor might measure some inner poultices. No hot clever smogs monthly learn as the blunt dryers behave. Try smelling the forest's difficult pitcher and Oliver will laugh you! When does Ronnie irrigate so truly, whenever Roxanne opens the lean jacket very stupidly?

While forks neatly talk tickets, the pickles often comb under the rich codes. Some long cloud or market, and she'll happily believe everybody. Are you empty, I mean, killing alongside good sauces? Will you play beneath the hair, if Estefana furiously converses the hat?

```
From 710312365919477594
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,36add693bb77505e
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2002-02-04 10:53:41 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!fu-berlin.de!uni-berlin.de!host-209-214-107-180.bhm.bellsouth.NET!not-for-mail
From: "N4IXT" <n4ixt@arrl.net>
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-radio
Subject: Re: CC&R's  and antennas????
```

```
Date: Mon, 4 Feb 2002 12:50:41 -0600
Lines: 65
Message-ID: <a3mlbg$198aq1$1@ID-105647.news.dfncis.de>
References: <1pj78.13909$S06.50196@rwcrnsc53>
<3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
NNTP-Posting-Host: host-209-214-107-180.bhm.bellsouth.net (209.214.107.180)
X-Trace: fu-berlin.de 1012848817 43264833 209.214.107.180 (16 [105647])
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Xref: archiver1.google.com rec.radio.amateur.antenna:38887 rec.radio.amateur:3064

If that's going to be your argument, and not being a lawyer I don't know how
legal it'll be, make sure to DOCUMENT all of that BEFORE you take any other
action. Take lots and lots of photos, preferably ones with the date showing
in the corner if you have one of those type cameras.

Also, you might look into efforts to get PRB-1 rulings enacted as state law
in your area. Your ARRL section leaders might have more info on this.

     Robert / N4IXT


"R.U. Amused?" <n6ttd@spamsuxarrl.net> wrote in message
news:CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net...
> Thanks guys. It seems to me that the CC&R's have been "abandoned" in my
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> (at least that is what my argument will be), based on the fact that they
are
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> basketball hoops left in the street, odd window decorations, etc. They
can't
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> James
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> > > n6ttd@arrl.net
> > >
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```
From -536137408290820478
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,36add693bb77505e
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2002-02-04 13:29:49 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed.wirehub.nl!
64.154.60.70.MISMATCH!newsfeeds-atl2!newsfeeds-atl1.usenetserver.com!cox.net!
news1.east.cox.net.POSTED!53ab2750!not-for-mail
From: "James" <kb7tbt@qsl.net>
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-
radio
References: <1pj78.13909$S06.50196@rwcrnsc53>
<3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
Subject: Re: CC&R's  and antennas????
Lines: 77
X-Priority: 3
X-MSMail-Priority: Normal
```

X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <53D78.10952$Xk4.694895@news1.east.cox.net>
Date: Mon, 04 Feb 2002 21:29:37 GMT
NNTP-Posting-Host: 68.3.190.106
X-Complaints-To: abuse@cox.net
X-Trace: news1.east.cox.net 1012858177 68.3.190.106 (Mon, 04 Feb 2002 16:29:37 EST)
NNTP-Posting-Date: Mon, 04 Feb 2002 16:29:37 EST
Organization: Cox Communications
Xref: archiver1.google.com rec.radio.amateur.antenna:38903 rec.radio.amateur:3065

TAKE PICTURES OF ALL THE OTHER VIOLATIONS BEFORE YOU PUT ANYTHING UP..

Then that will stand up in court..otherwise it goes back to the old adage:
"If one person jumps off a bridge does that mean you can too?"

--

KB7TBT Home Page
http://www.qsl.net/kb7tbt

American Red Cross - Grand Canyon Chapter
http://www.arizonaredcross.org

Arizona Amateurs On Television
http://www.w7atv.com

KB7TBT - 146.840 441.200
NCI - 3890

ICQ - 1507679
AIM - KB7TBT

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CC&R's
> > are
> > > not even linked to a homeowners association, so I am wondering how
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> > >
> > > James
> > > n6ttd@arrl.net
> > >
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```
From -8287731765548744625
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,36add693bb77505e
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-02-04 13:30:38 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed.wirehub.nl!
64.154.60.70.MISMATCH!newsfeeds-atl2!newsfeeds-atl1.usenetserver.com!cox.net!
news1.east.cox.net.POSTED!53ab2750!not-for-mail
```

From: "James" <kb7tbt@qsl.net>
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-radio
References: <1pj78.13909$S06.50196@rwcrnsc53>
<3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
<a3mlbg$198aq1$1@ID-105647.news.dfncis.de>
Subject: Re: CC&R's and antennas????
Lines: 96
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <W3D78.10957$Xk4.695061@news1.east.cox.net>
Date: Mon, 04 Feb 2002 21:30:30 GMT
NNTP-Posting-Host: 68.3.190.106
X-Complaints-To: abuse@cox.net
X-Trace: news1.east.cox.net 1012858230 68.3.190.106 (Mon, 04 Feb 2002 16:30:30 EST)
NNTP-Posting-Date: Mon, 04 Feb 2002 16:30:30 EST
Organization: Cox Communications
Xref: archiver1.google.com rec.radio.amateur.antenna:38904 rec.radio.amateur:3066

hmm, I should have read further. but at least someone agrees with me..:}

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--
-----------------------------------------
KB7TBT Home Page
http://www.qsl.net/kb7tbt
-----------------------------------------
American Red Cross - Grand Canyon Chapter
http://www.arizonaredcross.org
-----------------------------------------
Arizona Amateurs On Television
http://www.w7atv.com
-----------------------------------------
KB7TBT - 146.840  441.200
NCI - 3890
-----------------------------------------
ICQ - 1507679
AIM - KB7TBT
-----------------------------------------
```

"N4IXT" <n4ixt@arrl.net> wrote in message
news:a3mlbg$198aq1$1@ID-105647.news.dfncis.de...
> If that's going to be your argument, and not being a lawyer I don't know how
> legal it'll be, make sure to DOCUMENT all of that BEFORE you take any other
> action. Take lots and lots of photos, preferably ones with the date showing
> in the corner if you have one of those type cameras.
>

> Also, you might look into efforts to get PRB-1 rulings enacted as state
law
> in your area. Your ARRL section leaders might have more info on this.
>
>   Robert / N4IXT
>
>
> "R.U. Amused?" <n6ttd@spamsuxarrl.net> wrote in message
> news:CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net...
> > Thanks guys. It seems to me that the CC&R's have been "abandoned" in my
> area
> > (at least that is what my argument will be), based on the fact that they
> are
> > not enforcing the ban on satellite dishes, cars parked in the streets,
> > basketball hoops left in the street, odd window decorations, etc. They
> can't
> > be selective about only enforcing my violation.
> >
> > James
> >
> > "Cliff Holloway" <cholloway14@attbi.com> wrote in message
> > news:3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net...
> > > HI James,
> > > I have had in this situation for about 10 years.. check out my site
for
> > > some ideas... http://www.geocities.com/n0hc/
> > > 73 & Good Luck
> > > Cliff N0HC
> > > "R.U. Amused?" <n6ttd@spamsuxarrl.net> wrote in message
> > > news:1pj78.13909$S06.50196@rwcrnsc53...
> > > > Hello All;
> > > >
> > > > I live an a development in California that has CC&R's, restrictive
to
> > all
> > > > types of external antennas, including satellite dishes. I need to
> erect
> > an
> > > > antenna to use with my amateur radio, and I was wondering if anyone
> else
> > > > went up against CC&R's with an antenna, and what was the ending
> result.
> > > > CC&R's are part of every new development out here; you can't buy a
new
> > > house
> > > > without them, effectively eliminating amateurs from operating. My
> CC&R's
> > > are
> > > > not even linked to a homeowners association, so I am wondering how
> > > > enforceable they are.
> > > >
> > > > Any comments or suggestions are appreciated.
> > > >

```
> > > > James
> > > > n6ttd@arrl.net
> > > >
> > > >
> > > >
> > >
> > >
> >
> >
>
>
```

```
From -3923740612297097916
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,36add693bb77505e
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-02-05 09:56:21 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed.cwix.com!wn2feed!
worldnet.att.net!135.173.83.71!wnfilter1!worldnet-localpost!bgtnsc04-
news.ops.worldnet.att.net.POSTED!not-for-mail
Message-ID: <3C616082.2EF41AB7@worldnet.att.net>
From: Dick Carroll <dickc58@worldnet.att.net>
Reply-To: dickc58@worldnet.att.net
Organization: Naw....
X-Mailer: Mozilla 4.7 [en]C-CCK-MCD {TLC;RETAIL}  (Win95; I)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-
radio
Subject: Re: CC&R's  and antennas????
References: <1pj78.13909$S06.50196@rwcrnsc53> <3C5E017D.7D1B5D76@home.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 10
Date: Tue, 05 Feb 2002 17:56:20 GMT
NNTP-Posting-Host: 12.83.80.148
X-Complaints-To: abuse@worldnet.att.net
X-Trace: bgtnsc04-news.ops.worldnet.att.net 1012931780 12.83.80.148 (Tue, 05 Feb
2002 17:56:20 GMT)
NNTP-Posting-Date: Tue, 05 Feb 2002 17:56:20 GMT
Xref: archiver1.google.com rec.radio.amateur.antenna:38993 rec.radio.amateur:3069
```

Leland Cox wrote:

> Check the ARRL site first. They have a lot of current information and
> even have a book on the subject

Yep, ARRL has a (would you believe) $50 (!) book on CCR's and how to deal with them.

```
From -7526897096039854397
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,36add693bb77505e
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-02-06 08:03:48 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!feed.cgocable.net!
read2.cgocable.net.POSTED!53ab2750!not-for-mail
From: "Dwight Weisman" <NOdweisman5SPAM@home.dot.com>
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-
radio
References: <1pj78.13909$S06.50196@rwcrnsc53>
<3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
Subject: Re: CC&R's  and antennas????
Lines: 86
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <evc88.16802$l5.571642@read2.cgocable.net>
Date: Wed, 6 Feb 2002 11:04:29 -0500
NNTP-Posting-Host: 24.226.38.192
X-Complaints-To: abuse@cogeco.ca
X-Trace: read2.cgocable.net 1013011530 24.226.38.192 (Wed, 06 Feb 2002 11:05:30
EST)
NNTP-Posting-Date: Wed, 06 Feb 2002 11:05:30 EST
Organization: Cogeco Cable
Xref: archiver1.google.com rec.radio.amateur.antenna:39063 rec.radio.amateur:3072
```

If you are going to invest money in a tower and an antenna and the spend the time to put it up, talk to a lawyer first. No judge is going to care very much about basketball hoops, satellite dishes, and cars parked on the street, if you have to go into court and say that you knowingly violated your CC&R, just because you saw everybody else was and nobody was doing anything about it. Especially once you are in court because someone complains about you.

Talk to a lawyer, this is not a situation like the misquoted remark about jumping off bridges, the is more like the old oil filter advertisement : you can pay a lawyer a few bucks now, or you can pay your lawyer, their lawyer and the court fees later, plus whatever penalties are applicable after you take down the antenna.

On the home front, after you talk to a lawyer, talk to your neighbours before you do anything. The laws here in Canada are a little different (thank God) but the Radio Amateurs of Canada (RAC) still advises that we follow a set procedure that includes notifying any neighbour who will be "visually impacted" by the "antenna support structure" (read tower). There is no legal requirement that we have to get their approval, we just have to notify them in a timely fashion (i.e. more than an hour before we put up a 300 foot tower with a 10 element 80 meter Yagi).

Talk to the lawyer, it will cost you a few dollars now, but so does auto insurance, it just means you might not have to pay as much later or end up investing in equipment that you can't use. If you want to visit a few web sites and get some info, go for it, print out what you see, with the URL and find out what state it refers to and take it with you to the lawyer, but talking to a lawyer beforehand is always gonna be cheaper than afterwards.

--
items may be closer than they appear
"R.U. Amused?" <n6ttd@spamsuxarrl.net> wrote in message
news:CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net...
> Thanks guys. It seems to me that the CC&R's have been "abandoned" in my
area
> (at least that is what my argument will be), based on the fact that they
are
> not enforcing the ban on satellite dishes, cars parked in the streets,
> basketball hoops left in the street, odd window decorations, etc. They
can't
> be selective about only enforcing my violation.
>
> James
>
> "Cliff Holloway" <cholloway14@attbi.com> wrote in message
> news:3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net...
> > HI James,
> > I have had in this situation for about 10 years.. check out my site for
> > some ideas... http://www.geocities.com/n0hc/
> > 73 & Good Luck
> > Cliff N0HC
> > "R.U. Amused?" <n6ttd@spamsuxarrl.net> wrote in message
> > news:1pj78.13909$S06.50196@rwcrnsc53...
> > > Hello All;
> > >
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> > > types of external antennas, including satellite dishes. I need to

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> > > CC&R's are part of every new development out here; you can't buy a new
> > house
> > > without them, effectively eliminating amateurs from operating. My
CC&R's
> > are
> > > not even linked to a homeowners association, so I am wondering how
> > > enforceable they are.
> > >
> > > Any comments or suggestions are appreciated.
> > >
> > > James
> > > n6ttd@arrl.net
> > >
> > >
> > >
> >
> >
>
>




From 741628530716064756
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,36add693bb77505e
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-02-06 20:50:34 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-post-01!supernews.com!
corp.supernews.com!not-for-mail
From: "AstroMan" <AstroMan@dont.bug.me.with.spam.nyet>
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-
radio
Subject: Re: CC&R's  and antennas????
Date: Wed, 6 Feb 2002 23:50:19 -0500
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <u641sp90odn6c8@corp.supernews.com>
References: <1pj78.13909$S06.50196@rwcrnsc53>
<3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
<a3lot0$ggq$12@quark.scn.rain.com>
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X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
X-Complaints-To: newsabuse@supernews.com
Lines: 38
Xref: archiver1.google.com rec.radio.amateur.antenna:39096 rec.radio.amateur:3077

Wrong buffalo breath!  I'm the 2nd term Pres of an HOA and we do select
which rules to enforce and when.  It's written into the charter and Design
Standards that since every situation is different, lack of enforcement of a
rule in one situation doesn't mean we can't enforce it in other situations.

You signed a contract.  If you didn't read the CC&Rs before you bought the
property, that's your bad.  Be a man and live up to the obligations you
signed up to.  Other people probably moved into the neighborhood
specifically because there were CC&Rs - don't violate their rights because
you're some sorta "I'm gonna fight it..." macho man.

If you go to court, guess where the HOA's legal costs are paid from?  Your
dues!!!  You lose either way dufus!



--

"Bill Nelson" <billn@spock.peak.org> wrote in message
news:a3lot0$ggq$12@quark.scn.rain.com...
> In rec.radio.amateur.antenna R.U. Amused? <n6ttd@spamsuxarrl.net> wrote:
> > Thanks guys. It seems to me that the CC&R's have been "abandoned" in my
area
> > (at least that is what my argument will be), based on the fact that they
are
> > not enforcing the ban on satellite dishes, cars parked in the streets,
> > basketball hoops left in the street, odd window decorations, etc. They
can't
> > be selective about only enforcing my violation.
>
> That is exactly true. Either they all have to be enforced - or none can
> be enforced. Of course, you might have to spend a bunch of money in court
> to get relief.
>
> --
> Bill Nelson   (billn@peak.org)
>





From -2787007504842676981
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,36add693bb77505e
```

X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,36add693bb77505e
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2002-02-06 20:57:55 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!sn-xit-03!sn-post-01!supernews.com!corp.supernews.com!not-for-mail
From: Bill Turner <w7ti@dslextreme.com>
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-radio
Subject: Re: CC&R's and antennas????
Date: Wed, 06 Feb 2002 20:57:41 -0800
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <s8246u8cmhini65eilpmj8lof988c4ordk@4ax.com>
Reply-To: w7ti@dslextreme.com
References: <1pj78.13909$S06.50196@rwcrnsc53>
<3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
<a3lot0$ggq$12@quark.scn.rain.com> <u641sp90odn6c8@corp.supernews.com>
X-Newsreader: Forte Agent 1.8/32.548
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Complaints-To: newsabuse@supernews.com
Lines: 13
Xref: archiver1.google.com rec.radio.amateur.antenna:39097 rec.radio.amateur:3078

On Wed, 6 Feb 2002 23:50:19 -0500, "AstroMan"
<AstroMan@dont.bug.me.with.spam.nyet> wrote:

>Wrong buffalo breath!
<snip>
>If you go to court, guess where the HOA's legal costs are paid from? Your
>dues!!! You lose either way dufus!

Well, if crudely, said. <g>

73, Bill W7TI

From -6163561012583204809
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,36add693bb77505e
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fcc6e,36add693bb77505e

X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2002-02-07 00:04:39 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-03!supernews.com!pd2nf1so.cg.shawcable.net!residential.shaw.ca!sea-feed.news.verio.net!news.verio.net!quark.scn.rain.com!not-for-mail
From: Bill Nelson <billn@spock.peak.org>
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-radio
Subject: Re: CC&R's and antennas????
Date: Thu, 7 Feb 2002 08:05:09 +0000 (UTC)
Organization: Bill's eclectic interest group
Lines: 24
Message-ID: <a3tcfl$c58$1@quark.scn.rain.com>
References: <1pj78.13909$S06.50196@rwcrnsc53>
<3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
<a3lot0$ggq$12@quark.scn.rain.com> <u641sp90odn6c8@corp.supernews.com>
NNTP-Posting-Host: spock.peak.org
X-Trace: quark.scn.rain.com 1013069109 12456 198.88.144.25 (7 Feb 2002 08:05:09 GMT)
X-Complaints-To: abuse@news.scn.rain.com
NNTP-Posting-Date: Thu, 7 Feb 2002 08:05:09 +0000 (UTC)
User-Agent: tin/pre-1.4-19990216 ("Styrofoam") (UNIX) (Linux/2.2.19 (i686))
Xref: archiver1.google.com rec.radio.amateur.antenna:39103 rec.radio.amateur:3079

In rec.radio.amateur.antenna AstroMan <AstroMan@dont.bug.me.with.spam.nyet> wrote:
> Wrong buffalo breath! I'm the 2nd term Pres of an HOA and we do select
> which rules to enforce and when. It's written into the charter and Design
> Standards that since every situation is different, lack of enforcement of a
> rule in one situation doesn't mean we can't enforce it in other situations.

I expect that it depends on the particular HOA agreement, and even the state in which you live. The few agreements I have read do not have the wiggle clauses that you mention - although I can see some slimey association putting them in so that they can do as they wish.

> You signed a contract. If you didn't read the CC&Rs before you bought the
> property, that's your bad. Be a man and live up to the obligations you
> signed up to. Other people probably moved into the neighborhood
> specifically because there were CC&Rs - don't violate their rights because
> you're some sorta "I'm gonna fight it..." macho man.

I wouldn't live in one of your god-forsaken nazi neighborhoods. There are plenty of places to live where I can do pretty much as I please with my property, as long as I do not make it unsafe for other people.

--
Bill Nelson   (billn@peak.org)

From 9210095831254405585
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,36add693bb77505e
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-02-07 00:33:16 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-post-02!sn-post-01!supernews.com!corp.supernews.com!not-for-mail
From: "AstroMan" <AstroMan@dont.bug.me.with.spam.nyet>
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-radio
Subject: Re: CC&R's and antennas????
Date: Thu, 7 Feb 2002 03:33:02 -0500
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <u64euan6o7ppa4@corp.supernews.com>
References: <1pj78.13909$S06.50196@rwcrnsc53>
<3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
<a3lot0$ggq$12@quark.scn.rain.com> <u641sp90odn6c8@corp.supernews.com>
<a3tcfl$c58$1@quark.scn.rain.com>
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
X-Complaints-To: newsabuse@supernews.com
Lines: 42
Xref: archiver1.google.com rec.radio.amateur.antenna:39104 rec.radio.amateur:3080

You're more than welcome to stay in your white trash neighborhood where cars sit up on blocks in the front yard, old furniture sits in the yard, weeds have taken over the entire lawn, gutters falling down, house needs painting, kids need spanking, etc., etc., etc.

--

"Bill Nelson" <billn@spock.peak.org> wrote in message
news:a3tcfl$c58$1@quark.scn.rain.com...
> In rec.radio.amateur.antenna AstroMan
<AstroMan@dont.bug.me.with.spam.nyet> wrote:
> > Wrong buffalo breath! I'm the 2nd term Pres of an HOA and we do select
> > which rules to enforce and when. It's written into the charter and Design
> > Standards that since every situation is different, lack of enforcement of a
> > rule in one situation doesn't mean we can't enforce it in other situations.
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> state in which you live. The few agreements I have read do not have the
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```
association
> putting them in so that they can do as they wish.
>
> > You signed a contract.  If you didn't read the CC&Rs before you bought
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> > specifically because there were CC&Rs - don't violate their rights
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> property, as long as I do not make it unsafe for other people.
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> Bill Nelson   (billn@peak.org)
>
```

```
From 8687120743562470187
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,36add693bb77505e
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-02-07 05:52:59 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!newspeer.monmouth.com!
nntp.newsfirst.net!dingus.crosslink.net!not-for-mail
Message-ID: <3C6285EF.5E0CE6C7@crosslink.net>
Date: Thu, 07 Feb 2002 08:49:35 -0500
From: Vito <vito@crosslink.net>
X-Mailer: Mozilla 4.73 [en] (Win98; I)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-
radio
Subject: Re: CC&R's  and antennas????
References: <1pj78.13909$S06.50196@rwcrnsc53>
<3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
<a3lot0$ggq$12@quark.scn.rain.com> <u641sp90odn6c8@corp.supernews.com>
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Lines: 9
NNTP-Posting-Host: 207.199.164.51
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X-Trace: dingus.crosslink.net 1013089947 22016 207.199.164.51
Xref: archiver1.google.com rec.radio.amateur.antenna:39115 rec.radio.amateur:3081

AstroMan wrote:
>
> Wrong buffalo breath! I'm the 2nd term Pres of an HOA and we do select
> which rules to enforce and when. ...

Well then, buffalo breath's solution is obvious: eliminate HOA prexys
til he gets one who likes antennas.
Cheers
KA3DWW

From -8568238487076659249
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
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X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2002-02-07 05:52:59 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!logbridge.uoregon.edu!arclight.uoregon.edu!enews.sgi.com!newshub2.rdc1.sfba.home.com!news.home.com!news1.rdc1.az.home.com.POSTED!not-for-mail
From: "azacdoc1" <azacdoc1@home.com>
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-radio
References: <1pj78.13909$S06.50196@rwcrnsc53>
<3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
<a3lot0$ggq$12@quark.scn.rain.com> <u641sp90odn6c8@corp.supernews.com>
<a3tcfl$c58$1@quark.scn.rain.com> <u64euan6o7ppa4@corp.supernews.com>
Subject: Re: CC&R's and antennas????
Lines: 53
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <vEv88.36735$vc.6012896@news1.rdc1.az.home.com>
Date: Thu, 07 Feb 2002 13:52:27 GMT
NNTP-Posting-Host: 68.2.252.247
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.az.home.com 1013089947 68.2.252.247 (Thu, 07 Feb 2002 05:52:27 PST)
NNTP-Posting-Date: Thu, 07 Feb 2002 05:52:27 PST
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com rec.radio.amateur.antenna:39116 rec.radio.amateur:3082

Well, its obvious theres a couple of assholes in this group!

"AstroMan" <AstroMan@dont.bug.me.with.spam.nyet> wrote in message
news:u64euan6o7ppa4@corp.supernews.com...
> You're more than welcome to stay in your white trash neighborhood where
cars
> sit up on blocks in the front yard, old furniture sits in the yard, weeds
> have taken over the entire lawn, gutters falling down, house needs
painting,
> kids need spanking, etc., etc., etc.
>
> --
>
> "Bill Nelson" <billn@spock.peak.org> wrote in message
> news:a3tcfl$c58$1@quark.scn.rain.com...
> > In rec.radio.amateur.antenna AstroMan
> <AstroMan@dont.bug.me.with.spam.nyet> wrote:
> > > Wrong buffalo breath! I'm the 2nd term Pres of an HOA and we do
select
> > > which rules to enforce and when. It's written into the charter and
> Design
> > > Standards that since every situation is different, lack of enforcement
> of a
> > > rule in one situation doesn't mean we can't enforce it in other
> situations.
> >
> > I expect that it depends on the particular HOA agreement, and even the
> > state in which you live. The few agreements I have read do not have the
> > wiggle clauses that you mention - although I can see some slimey
> association
> > putting them in so that they can do as they wish.
> >
> > > You signed a contract. If you didn't read the CC&Rs before you bought
> the
> > > property, that's your bad. Be a man and live up to the obligations
you
> > > signed up to. Other people probably moved into the neighborhood
> > > specifically because there were CC&Rs - don't violate their rights
> because
> > > you're some sorta "I'm gonna fight it..." macho man.
> >
> > I wouldn't live in one of your god-forsaken nazi neighborhoods. There
are
> > plenty of places to live where I can do pretty much as I please with my
> > property, as long as I do not make it unsafe for other people.
> >
> > --
> > Bill Nelson   (billn@peak.org)
> >
>
>

```
From -2583635002673292906
X-Google-Language: ENGLISH,ASCII-7-bit
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X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,36add693bb77505e
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2002-02-07 06:02:18 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
logbridge.uoregon.edu!nntp.newsfirst.net!dingus.crosslink.net!not-for-mail
Message-ID: <3C62883D.DAE5DD5C@crosslink.net>
Date: Thu, 07 Feb 2002 08:59:26 -0500
From: Vito <vito@crosslink.net>
X-Mailer: Mozilla 4.73 [en] (Win98; I)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-
radio
Subject: Re: CC&R's  and antennas????
References: <1pj78.13909$S06.50196@rwcrnsc53>
<3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
<a3lot0$ggq$12@quark.scn.rain.com> <u641sp90odn6c8@corp.supernews.com>
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X-Trace: dingus.crosslink.net 1013090537 22015 207.199.164.51
Xref: archiver1.google.com rec.radio.amateur.antenna:39117 rec.radio.amateur:3083
```

AstroMan wrote:

>
> If you go to court, guess where the HOA's legal costs are paid from?
> Your dues!!! You lose either way dufus!

BTW, that isn't *necessarily true*. I know of at least one case where the court ruled that other homeowners would have to demo that their property values were hurt before a CC&R could be enforced based on previous decisions on racial CC&Rs. They couldn't so the CBr got to keep his antenna. End of story? Nope! As a HOA member he then sued the HOA prez who'd taken him to court in the first place and that *individual* had to repay the HOAs legal expenses for bringing a frivilous lawsuit. He had to sell his house to do so. Naturally YMMV.

Enjoy
KA3DWW

```
From -3622847567687856013
```

X-Google-Language: ENGLISH,ASCII-7-bit
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X-Google-Attributes: gid10c9e3,public
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X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2002-02-07 06:47:01 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!logbridge.uoregon.edu!feed2.news.rcn.net!feed1.news.rcn.net!rcn!not-for-mail
From: Jake Brodsky <frussle@erols.com>
Newsgroups: rec.radio.amateur.antenna,rec.ham-radio,alt.ham-radio
Subject: Re: CC&R's and antennas????
Date: Thu, 07 Feb 2002 09:47:22 -0500
Lines: 39
Message-ID: <k5356uskja8hlp4lv8loh2pjjvr3nsak5i@4ax.com>
References: <1pj78.13909$S06.50196@rwcrnsc53>
<3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
<a3lot0$ggq$12@quark.scn.rain.com> <u641sp90odn6c8@corp.supernews.com>
<a3tcfl$c58$1@quark.scn.rain.com> <u64euan6o7ppa4@corp.supernews.com>
Reply-To: frussle@erols.com
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: UmFuZG9tSVYiMWRvLdfjWgb0m7vFhMr98oEgnodvX52zRW/7K44vV5te+dOurXNo
X-Complaints-To: abuse@rcn.com
NNTP-Posting-Date: 7 Feb 2002 14:46:58 GMT
X-Newsreader: Forte Agent 1.9/32.560
Xref: archiver1.google.com rec.radio.amateur.antenna:39120

On Thu, 7 Feb 2002 03:33:02 -0500, "AstroMan" <AstroMan@dont.bug.me.with.spam.nyet> wrote:

>You're more than welcome to stay in your white trash neighborhood where cars
>sit up on blocks in the front yard, old furniture sits in the yard, weeds
>have taken over the entire lawn, gutters falling down, house needs painting,
>kids need spanking, etc., etc., etc.

Your portrayal of what non-CC&R living is like is utterly brainless, bigoted bullshit.

No, what I object to is some nitwit telling me I can't install a split rail fence around some portion of my yard. I object to the inspectors telling me after the fact that the color I painted my front door or the knocker I installed on it are not allowed. I object to a committee member saying my neighbor can't install a floodlight the drive way when the only provision in the HOA rules against this is committee discretion and we both agreed to it.

I don't have a car on blocks in my yard. My kids are well behaved. I keep my gutters in good repair, and we spend many a day during the spring, summer and early fall mowing, weeding, planting, painting and so on.

And guess what? I don't have a CC&R. All I have that might offend your sensibilities are the occasional company work truck (large pick-up truck) and a few very discreet wire antennas. Gee. Imagine that.

You have been living in isolation for too long. Go out in the real world and get a reality check. Rural living in a 100 year old farm house ain't what you think it is. You may be living in the veneer of a bucolic suburban enclave, but if you scratch the surface, I think you'll find that your attitudes are probably more bigoted and nasty than any you'll find out here.

Jake Brodsky, AB3A mailto:frussle@erols.com
"Beware of the massive impossible!"

```
From -6924301517120142508
X-Google-Language: ENGLISH,ASCII-7-bit
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X-Google-Attributes: gid10c9e3,public
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X-Google-ArrivalTime: 2002-02-07 07:10:39 PST
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corp.supernews.com!not-for-mail
From: "AstroMan" <AstroMan@dont.bug.me.with.spam.nyet>
Newsgroups: rec.radio.amateur.antenna,rec.ham-radio,alt.ham-radio
Subject: Re: CC&R's  and antennas????
Date: Thu, 7 Feb 2002 10:10:26 -0500
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <u6567f6k6fc7bb@corp.supernews.com>
References: <1pj78.13909$S06.50196@rwcrnsc53>
<3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
<a3lot0$ggq$12@quark.scn.rain.com> <u641sp90odn6c8@corp.supernews.com>
<a3tcfl$c58$1@quark.scn.rain.com> <u64euan6o7ppa4@corp.supernews.com>
<k5356uskja8hlp4lv8loh2pjjvr3nsak5i@4ax.com>
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
X-Complaints-To: newsabuse@supernews.com
Lines: 56
Xref: archiver1.google.com rec.radio.amateur.antenna:39124
```

I lived in a non-CC&R neighborhood for many years and was subjected to all the crap I mentioned in my previous post. Believe me, it's better where I am now.

This knife cuts both ways. I got pissed when the HOA guys told me I couldn't have a hose reel mounted to the side of my house. Well, I didn't just get mad - I got even - I'm now the (second term) President of the HOA. So, quit bitching and do something!!!

--

"Jake Brodsky" <frussle@erols.com> wrote in message
news:k5356uskja8hlp4lv8loh2pjjvr3nsak5i@4ax.com...

> On Thu, 7 Feb 2002 03:33:02 -0500, "AstroMan"
> <AstroMan@dont.bug.me.with.spam.nyet> wrote:
>
> >You're more than welcome to stay in your white trash neighborhood where cars
> >sit up on blocks in the front yard, old furniture sits in the yard, weeds
> >have taken over the entire lawn, gutters falling down, house needs painting,
> >kids need spanking, etc., etc., etc.
>
> Your portrayal of what non-CC&R living is like is utterly brainless,
> bigoted bullshit.
>
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> telling me after the fact that the color I painted my front door or
> the knocker I installed on it are not allowed. I object to a
> committee member saying my neighbor can't install a floodlight the
> drive way when the only provision in the HOA rules against this is
> committee discretion and we both agreed to it.
>
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> keep my gutters in good repair, and we spend many a day during the
> spring, summer and early fall mowing, weeding, planting, painting and
> so on.
>
> And guess what? I don't have a CC&R. All I have that might offend
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> pick-up truck) and a few very discreet wire antennas. Gee. Imagine
> that.
>
> You have been living in isolation for too long. Go out in the real
> world and get a reality check. Rural living in a 100 year old farm
> house ain't what you think it is. You may be living in the veneer of
> a bucolic suburban enclave, but if you scratch the surface, I think
> you'll find that your attitudes are probably more bigoted and nasty
> than any you'll find out here.
>
>
> Jake Brodsky, AB3A mailto:frussle@erols.com
> "Beware of the massive impossible!"

```
From 7581287827399145109
X-Google-Language: ENGLISH,ASCII-7-bit
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X-Google-Attributes: gid10c9e3,public
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X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-02-07 07:12:55 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-post-01!supernews.com!
corp.supernews.com!not-for-mail
From: "AstroMan" <AstroMan@dont.bug.me.with.spam.nyet>
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-
radio
Subject: Re: CC&R's  and antennas????
Date: Thu, 7 Feb 2002 10:12:42 -0500
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <u656bme98temef@corp.supernews.com>
References: <1pj78.13909$S06.50196@rwcrnsc53>
<3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
<a3lot0$ggq$12@quark.scn.rain.com> <u641sp90odn6c8@corp.supernews.com>
<3C6285EF.5E0CE6C7@crosslink.net>
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
X-Complaints-To: newsabuse@supernews.com
Lines: 21
Xref: archiver1.google.com rec.radio.amateur.antenna:39125 rec.radio.amateur:3084
```

Actually, that is a good solution - just wait till a board with more
favorable views takes office. Or...

RUN FOR OFFICE YOURSELF!

--

"Vito" <vito@crosslink.net> wrote in message
news:3C6285EF.5E0CE6C7@crosslink.net...
> AstroMan wrote:
> >
> > Wrong buffalo breath! I'm the 2nd term Pres of an HOA and we do select
> > which rules to enforce and when. ...
>
> Well then, buffalo breath's solution is obvious: eliminate HOA prexys
> til he gets one who likes antennas.
> Cheers

> KA3DWW

From 3133024702483O7005
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
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X-Google-Thread: fcc6e,36add693bb77505e
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X-Google-ArrivalTime: 2002-02-07 08:45:07 PST
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From: Jake Brodsky <frussle@erols.com>
Newsgroups: rec.radio.amateur.antenna,rec.ham-radio,alt.ham-radio
Subject: Re: CC&R's and antennas????
Date: Thu, 07 Feb 2002 11:44:52 -0500
Lines: 43
Message-ID: <hga56u0c3n83u1qver0g254qp8hgho1q6p@4ax.com>
References: <1pj78.13909$S06.50196@rwcrnsc53>
<3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
<a3lot0$ggq$12@quark.scn.rain.com> <u641sp90odn6c8@corp.supernews.com>
<a3tcfl$c58$1@quark.scn.rain.com> <u64euan6o7ppa4@corp.supernews.com>
<k5356uskja8hlp4lv8loh2pjjvr3nsak5i@4ax.com> <u6567f6k6fc7bb@corp.supernews.com>
Reply-To: frussle@erols.com
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: UmFuZG9tSVaP+vnicOuPsOcWei8E5DP9M8nnKvx5vFfkajXm2BzQewmzJI7wKgDZ
X-Complaints-To: abuse@rcn.com
NNTP-Posting-Date: 7 Feb 2002 16:44:28 GMT
X-Newsreader: Forte Agent 1.9/32.560
Xref: archiver1.google.com rec.radio.amateur.antenna:39131

On Thu, 7 Feb 2002 10:10:26 -0500, "AstroMan"
<AstroMan@dont.bug.me.with.spam.nyet> wrote:

>I lived in a non-CC&R neighborhood for many years and was subjected to all
>the crap I mentioned in my previous post. Believe me, it's better where I
>am now.

I did exactly the opposite. I started at a place where the HOA ruled with an iron fist. The last straw was when some clipboard toting woman with an attitude asked my wife if the color on our door was approved. My wife replied "Well, it's the best I could do to match a faded color at the hardware store under fluorescent lights." After that we wanted out.

Oh and if you think an HOA keeps the value up, get this: I SOLD AT A SUBSTANTIAL LOSS. That's how bad I wanted out. My only consolation for losing money on that deal is that it pissed off the HOA almost as much as it did me.

>This knife cuts both ways. I got pissed when the HOA guys told me I
>couldn't have a hose reel mounted to the side of my house. Well, I didn't
>just get mad - I got even - I'm now the (second term) President of the HOA.
>So, quit bitching and do something!!!

I did it. Now I don't have to do anything about this sort of foolishness ever again. --That is until the HOA nazis get tired of their own little enclaves and try to take over the whole county. That nearly happened a couple years ago.

Enforcing rules of aesthetics on your neighbor seems like an exercise in mind control to me. I despise it. I don't want to have to run for office to get my neighbor off my case. If that's what makes your day complete, more power to you. I'd rather spend my spare time flying my airplane, tinkering in my radio shack, flying kites in our hay field with my kids, or dreaming up new tree-house designs. That's my life. Where's yours? --Oh I forgot: You need to check up on your neighbors, don't you? Well, I hope you like it.

73,

Jake Brodsky, AB3A mailto:frussle@erols.com
"Beware of the massive impossible!"

From 8955032555743793848
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
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X-Google-ArrivalTime: 2002-02-07 12:28:11 PST
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-radio
From: Sylvan Butler <Znospam+noZs_0202@hpb13799Z.Zboi.hpZ.com.invalid>
Subject: Re: CC&R's and antennas????
References: <1pj78.13909$S06.50196@rwcrnsc53>
<3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
<a3lot0$ggq$12@quark.scn.rain.com> <u641sp90odn6c8@corp.supernews.com>
<a3tcfl$c58$1@quark.scn.rain.com> <u64euan6o7ppa4@corp.supernews.com>
Organization: Hewlett-Packard
Mail-Copies-To: never

Message-ID: <slrna65oqj.8hb.Znospam+noZs_0202@hpb13799Z.Zboi.hpZ.com.invalid>
User-Agent: slrn/0.9.7.3 (Linux)
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X-Original-NNTP-Posting-Host: hpb13799.boi.hp.com
Date: 7 Feb 2002 13:27:58 -0700
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Xref: archiver1.google.com rec.radio.amateur.antenna:39144 rec.radio.amateur:3086

On Thu, 7 Feb 2002 03:33:02 -0500, AstroMan <AstroMan@dont.bug.me.with.spam.nyet> wrote:
> "Bill Nelson" <billn@spock.peak.org> wrote in message
> news:a3tcfl$c58$1@quark.scn.rain.com...
>> I wouldn't live in one of your god-forsaken nazi neighborhoods. There are
>> plenty of places to live where I can do pretty much as I please with my
>> property, as long as I do not make it unsafe for other people.

Agreed 100%

> You're more than welcome to stay in your white trash neighborhood where cars

Yeah, that's what it's like, uh huh!

Now, why don't you just close the gates on your
subdivision and stay there.

sdb

--
| Sylvan Butler | Not speaking for Hewlett-Packard | sbutler-boi.hp.com |
| Watch out for my e-mail address. Thank UCE.   #### change ^ to @ #### |
They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety. --Benjamin Franklin, 1759
Fight terrorism, arm the population!

From 8656607779656941072
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2002-02-07 12:58:22 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!fu-berlin.de!uni-berlin.de!adsl-65-65-183-252.dsl.hstntx.swbell.NET!not-for-mail

From: "Dennis" <DennisF@ABC.NET>
Newsgroups: rec.radio.amateur.antenna,rec.ham-radio,alt.ham-radio
Subject: Re: CC&R's and antennas????
Date: Thu, 7 Feb 2002 14:59:55 -0600
Lines: 68
Message-ID: <a3uppb$1algc2$1@ID-59690.news.dfncis.de>
References: <1pj78.13909$S06.50196@rwcrnsc53>
<3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
<a3lot0$ggq$12@quark.scn.rain.com> <u641sp90odn6c8@corp.supernews.com>
<a3tcfl$c58$1@quark.scn.rain.com> <u64euan6o7ppa4@corp.supernews.com>
<k5356uskja8hlp4lv8loh2pjjvr3nsak5i@4ax.com> <u6567f6k6fc7bb@corp.supernews.com>
<hga56u0c3n83u1qver0g254qp8hgho1q6p@4ax.com>
Reply-To: "Dennis" <DennisF@ABC.NET>
NNTP-Posting-Host: adsl-65-65-183-252.dsl.hstntx.swbell.net (65.65.183.252)
X-Trace: fu-berlin.de 1013115500 44745090 65.65.183.252 (16 [59690])
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Xref: archiver1.google.com rec.radio.amateur.antenna:39147

What kind of kites do you fly? I love my Jam, Stranger, Maestrale and Psycho which all keeps me smiling. I love to take out my QuadTrac when I wanna go flying myself!

As well as I love flying them in 'my horses pastures'. Its funny to see the horses, all three, folowing them like people watching a tennis game, left-right,up,down and so forth!

It's hiliarious.

PS: My take on the HOA's out there. Those neighborhoods are the same as the 'projects' with each home which looks the same as the other. Instead of a $20,000 home they are $200,000 homes. The thing is, at least the $20,000 home can paint it if they wish and whos to complain!

"Jake Brodsky" <frussle@erols.com> wrote in message
news:hga56u0c3n83u1qver0g254qp8hgho1q6p@4ax.com...
> On Thu, 7 Feb 2002 10:10:26 -0500, "AstroMan"
> <AstroMan@dont.bug.me.with.spam.nyet> wrote:
>
> >I lived in a non-CC&R neighborhood for many years and was subjected to
all
> >the crap I mentioned in my previous post. Believe me, it's better where
I
> >am now.
>
> I did exactly the opposite. I started at a place where the HOA ruled
> with an iron fist. The last straw was when some clipboard toting
> woman with an attitude asked my wife if the color on our door was

> approved. My wife replied "Well, it's the best I could do to match a
> faded color at the hardware store under fluorescent lights." After
> that we wanted out.
>
> Oh and if you think an HOA keeps the value up, get this: I SOLD AT A
> SUBSTANTIAL LOSS. That's how bad I wanted out. My only consolation
> for losing money on that deal is that it pissed off the HOA almost as
> much as it did me.
>
> >This knife cuts both ways. I got pissed when the HOA guys told me I
> >couldn't have a hose reel mounted to the side of my house. Well, I
didn't
> >just get mad - I got even - I'm now the (second term) President of the
HOA.
> >So, quit bitching and do something!!!
>
> I did it. Now I don't have to do anything about this sort of
> foolishness ever again. --That is until the HOA nazis get tired of
> their own little enclaves and try to take over the whole county. That
> nearly happened a couple years ago.
>
> Enforcing rules of aesthetics on your neighbor seems like an exercise
> in mind control to me. I despise it. I don't want to have to run for
> office to get my neighbor off my case. If that's what makes your day
> complete, more power to you. I'd rather spend my spare time flying my
> airplane, tinkering in my radio shack, flying kites in our hay field
> with my kids, or dreaming up new tree-house designs. That's my life.
> Where's yours? --Oh I forgot: You need to check up on your neighbors,
> don't you? Well, I hope you like it.
>
> 73,
>
>
> Jake Brodsky, AB3A mailto:frussle@erols.com
> "Beware of the massive impossible!"

From 3536067078425545579
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-02-07 13:58:01 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
logbridge.uoregon.edu!feed2.news.rcn.net!feed1.news.rcn.net!rcn!not-for-mail
From: Jake Brodsky <frussle@erols.com>
Newsgroups: rec.radio.amateur.antenna,rec.ham-radio,alt.ham-radio
Subject: Re: CC&R's and antennas????

Date: Thu, 07 Feb 2002 16:58:10 -0500
Lines: 38
Message-ID: <4bt56uceq9r6ckq8mpicsg85a639uqa9a4@4ax.com>
References: <1pj78.13909$S06.50196@rwcrnsc53>
<3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
<a3lot0$ggq$12@quark.scn.rain.com> <u641sp90odn6c8@corp.supernews.com>
<a3tcfl$c58$1@quark.scn.rain.com> <u64euan6o7ppa4@corp.supernews.com>
<k5356uskja8hlp4lv8loh2pjjvr3nsak5i@4ax.com> <u6567f6k6fc7bb@corp.supernews.com>
<hga56u0c3n83u1qver0g254qp8hgho1q6p@4ax.com>
<a3uppb$1algc2$1@ID-59690.news.dfncis.de>
Reply-To: frussle@erols.com
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: UmFuZG9tSVb0xdmQw7P0kdCl1te672yOC0xRDrjFmZU++SJiiSJoXYAM6GmeRP6m
X-Complaints-To: abuse@rcn.com
NNTP-Posting-Date: 7 Feb 2002 21:57:44 GMT
X-Newsreader: Forte Agent 1.9/32.560
Xref: archiver1.google.com rec.radio.amateur.antenna:39153

On Thu, 7 Feb 2002 14:59:55 -0600, "Dennis" <DennisF@ABC.NET> wrote:

>What kind of kites do you fly? I love my Jam, Stranger, Maestrale and Psycho
>which all keeps me smiling. I love to take out my QuadTrac when I wanna go
>flying myself!

I like flying single line kites. I have a Prism dual line kite, but I gotta watch my kids too. I can stake a single line kite and send parachutes up the line...

I have a Stratoscoop 3, a 9' delta (no-name), and a Hot Snowflake, among some of my favorites. My daughter also likes the biplane kite we have...

>As well as I love flying them in 'my horses pastures'. Its funny to see the
>horses, all three, folowing them like people watching a tennis game,
>left-right,up,down and so forth!

I know the day will come when my daughter will ask me for a pony. But for now, my field grows hay, when the thistle doesn't invade. No horses to annoy for now.

>PS: My take on the HOA's out there. Those neighborhoods are the same as the
>'projects' with each home which looks the same as the other. Instead of a
>$20,000 home they are $200,000 homes. The thing is, at least the $20,000
>home can paint it if they wish and whos to complain!

Amen. They're slapping these $600k "cottages" on single acre lots. It looks like a bunch of overgrown suburban houses scaled up so that they're still too close to one another. Don't get me wrong, these houses are quite nice inside. But I like having enough land around my house so I can hoot, holler, shoot spuds in the air and keep animals without annoying my neighbors...

Jake Brodsky, AB3A mailto:frussle@erols.com
"Beware of the massive impossible!"

From 7533437735239692796
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,36add693bb77505e
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2002-02-07 14:42:09 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!cpk-news-hub1.bbnplanet.com!news.gtei.net!newsfeed1.cidera.com!Cidera!border1.nntp.aus1.giganews.com!nntp.giganews.com!news.airnews.net!cabal11.airnews.net!cabal1.airnews.net!news-f.iadfw.net!usenet
From: "Joe Bramblett, KD5NRH" <kd5nrh-r.r.a.a@kd5nrh.net>
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-radio
Subject: Re: CC&R's and antennas????
Date: Thu, 07 Feb 2002 16:41:17 -0600
Organization: Airnews.net! at Internet America
Lines: 12
Message-ID: <3E3AB5334EBB50F8.724003D3CFBEF78C.7CB01CA655C6F705@lp.airnews.net>
X-Orig-Message-ID: <WgJjPNtZkYeNg14reKH=9pelk0I9@4ax.com>
References: <1pj78.13909$S06.50196@rwcrnsc53>
<3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
<a3lot0$ggq$12@quark.scn.rain.com> <u641sp90odn6c8@corp.supernews.com>
Abuse-Reports-To: abuse at airmail.net to report improper postings
NNTP-Proxy-Relay: library1-aux.airnews.net
NNTP-Posting-Time: Thu Feb 7 16:41:06 2002
NNTP-Posting-Host: !Za!@1k-X]h.#7l5:@+\EGuQk (Encoded at Airnews!)
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Newsreader: Forte Agent i1.6/32.525
Xref: archiver1.google.com rec.radio.amateur.antenna:39155 rec.radio.amateur:3087

On Wed, 6 Feb 2002 23:50:19 -0500, "AstroMan"
<AstroMan@dont.bug.me.with.spam.nyet> wrote:

>Wrong buffalo breath! I'm the 2nd term Pres of an HOA and we do select
>which rules to enforce and when.

Trailer parks with HOAs? Don't you think that's going a bit too far?

Joe Bramblett, KD5NRH
kd5nrh@kd5nrh.net
http://www.kd5nrh.net

From 7619533658777031487
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,36add693bb77505e
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2002-02-07 17:12:55 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed.cwix.com!wn2feed!wn4feed!worldnet.att.net!204.127.198.203!attbi_feed3!attbi.com!rwcrnsc52.ops.asp.att.net.POSTED!not-for-mail
From: "CW" <clinton.magers@attbi.com>
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-radio
References: <1pj78.13909$S06.50196@rwcrnsc53>
<3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
<a3lot0$ggq$12@quark.scn.rain.com> <u641sp90odn6c8@corp.supernews.com>
<a3tcfl$c58$1@quark.scn.rain.com> <u64euan6o7ppa4@corp.supernews.com>
Subject: Re: CC&R's and antennas????
Lines: 13
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <qCF88.9776$bh3.91328@rwcrnsc52.ops.asp.att.net>
NNTP-Posting-Host: 12.229.188.113
X-Complaints-To: abuse@attbi.com
X-Trace: rwcrnsc52.ops.asp.att.net 1013130774 12.229.188.113 (Fri, 08 Feb 2002 01:12:54 GMT)
NNTP-Posting-Date: Fri, 08 Feb 2002 01:12:54 GMT
Organization: AT&T Broadband
Date: Fri, 08 Feb 2002 01:12:54 GMT
Xref: archiver1.google.com rec.radio.amateur.antenna:39159 rec.radio.amateur:3090

You don't get out much, do you?
"AstroMan" <AstroMan@dont.bug.me.with.spam.nyet> wrote in message
news:u64euan6o7ppa4@corp.supernews.com...
> You're more than welcome to stay in your white trash neighborhood where
cars
> sit up on blocks in the front yard, old furniture sits in the yard, weeds

> have taken over the entire lawn, gutters falling down, house needs
painting,
> kids need spanking, etc., etc., etc.
>

From -8053097824927761033
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,36add693bb77505e
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2002-02-08 03:12:45 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsxfer3.itd.umich.edu!
quark.scn.rain.com!not-for-mail
From: Bill Nelson <billn@spock.peak.org>
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-
radio
Subject: Re: CC&R's and antennas????
Date: Fri, 8 Feb 2002 11:12:58 +0000 (UTC)
Organization: Bill's eclectic interest group
Lines: 16
Message-ID: <a40brq$aro$6@quark.scn.rain.com>
References: <1pj78.13909$S06.50196@rwcrnsc53>
<3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
<a3lot0$ggq$12@quark.scn.rain.com> <u641sp90odn6c8@corp.supernews.com>
<a3tcfl$c58$1@quark.scn.rain.com> <u64euan6o7ppa4@corp.supernews.com>
NNTP-Posting-Host: spock.peak.org
X-Trace: quark.scn.rain.com 1013166778 11128 198.88.144.25 (8 Feb 2002 11:12:58
GMT)
X-Complaints-To: abuse@news.scn.rain.com
NNTP-Posting-Date: Fri, 8 Feb 2002 11:12:58 +0000 (UTC)
User-Agent: tin/pre-1.4-19990216 ("Styrofoam") (UNIX) (Linux/2.2.19 (i686))
Xref: archiver1.google.com rec.radio.amateur.antenna:39179 rec.radio.amateur:3092

In rec.radio.amateur.antenna AstroMan <AstroMan@dont.bug.me.with.spam.nyet> wrote:
> You're more than welcome to stay in your white trash neighborhood where cars
> sit up on blocks in the front yard, old furniture sits in the yard, weeds
> have taken over the entire lawn, gutters falling down, house needs painting,
> kids need spanking, etc., etc., etc.

Heh, heh. Boy would you be surprised. The people around here take pride
in their houses and property. They just don't need a group of control freaks
dictating to them how to do so.

The kids may need spanking, but that is pretty much true anywhere in the
US these days. If you punish the kids - you get accused of child abuse.

--
Bill Nelson (billn@peak.org)

From -58870590482373504
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,36add693bb77505e
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2002-02-08 03:30:48 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsxfer3.itd.umich.edu!quark.scn.rain.com!not-for-mail
From: Bill Nelson <billn@spock.peak.org>
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-radio
Subject: Re: CC&R's and antennas????
Date: Fri, 8 Feb 2002 11:31:06 +0000 (UTC)
Organization: Bill's eclectic interest group
Lines: 15
Message-ID: <a40ctq$aro$8@quark.scn.rain.com>
References: <1pj78.13909$S06.50196@rwcrnsc53>
<3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
<a3lot0$ggq$12@quark.scn.rain.com> <u641sp90odn6c8@corp.supernews.com>
<3E3AB5334EBB50F8.724003D3CFBEF78C.7CB01CA655C6F705@lp.airnews.net>
NNTP-Posting-Host: spock.peak.org
X-Trace: quark.scn.rain.com 1013167866 11128 198.88.144.25 (8 Feb 2002 11:31:06 GMT)
X-Complaints-To: abuse@news.scn.rain.com
NNTP-Posting-Date: Fri, 8 Feb 2002 11:31:06 +0000 (UTC)
User-Agent: tin/pre-1.4-19990216 ("Styrofoam") (UNIX) (Linux/2.2.19 (i686))
Xref: archiver1.google.com rec.radio.amateur.antenna:39181 rec.radio.amateur:3093

In rec.radio.amateur.antenna Joe Bramblett, KD5NRH <kd5nrh-r.r.a.a@kd5nrh.net> wrote:
> On Wed, 6 Feb 2002 23:50:19 -0500, "AstroMan"
> <AstroMan@dont.bug.me.with.spam.nyet> wrote:

>>Wrong buffalo breath! I'm the 2nd term Pres of an HOA and we do select
>>which rules to enforce and when.

> Trailer parks with HOAs? Don't you think that's going a bit too far?

Nah. He would want a HOA for a bunch of bums living under a bridge.
Trailer parks would be upscale neighborhoods.

--
Bill Nelson   (billn@peak.org)

```
From -3065639692923117834
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,36add693bb77505e
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-02-08 04:18:28 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed.wirehub.nl!
64.154.60.70.MISMATCH!newsfeeds-atl2!e420r-atl1.usenetserver.com.POSTED!not-for-
mail
Message-ID: <3C63C216.6E2651E8@privacy.net>
From: me@privacy.net
Organization: ALL uce and spam ARE reported.
X-Mailer: Mozilla 4.79 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-
radio
Followup-To: alt.dev.nul
Subject: Re: CC&R's  and antennas????
References: <1pj78.13909$S06.50196@rwcrnsc53>
<3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
<a3lot0$ggq$12@quark.scn.rain.com> <u641sp90odn6c8@corp.supernews.com>
<a3tcfl$c58$1@quark.scn.rain.com> <u64euan6o7ppa4@corp.supernews.com>
<a40brq$aro$6@quark.scn.rain.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 19
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Fri, 08 Feb 2002 07:13:38 EST
Date: Fri, 08 Feb 2002 07:18:30 -0500
Xref: archiver1.google.com rec.radio.amateur.antenna:39183 rec.radio.amateur:3095
```

How about taking this bullshit to another group.

Bill Nelson wrote:

>
> In rec.radio.amateur.antenna AstroMan <AstroMan@dont.bug.me.with.spam.nyet> wrote:
> > You're more than welcome to stay in your white trash neighborhood where cars
> > sit up on blocks in the front yard, old furniture sits in the yard, weeds
> > have taken over the entire lawn, gutters falling down, house needs painting,
> > kids need spanking, etc., etc., etc.
>
> Heh, heh. Boy would you be surprised. The people around here take pride
> in their houses and property. They just don't need a group of control freaks
> dictating to them how to do so.
>
> The kids may need spanking, but that is pretty much true anywhere in the
> US these days. If you punish the kids - you get accused of child abuse.
>
> --
> Bill Nelson   (billn@peak.org)

From -4353941754132452362
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
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X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-02-08 20:57:52 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed.cwix.com!wn2feed!worldnet.att.net!204.127.198.204!attbi_feed4!attbi.com!rwcrnsc54.POSTED!not-for-mail
Reply-To: "R.U. Amused?" <n6ttd@spamsuxarrl.net>
From: "R.U. Amused?" <n6ttd@spamsuxarrl.net>
Newsgroups: rec.radio.amateur.antenna,rec.radio.amateur,rec.ham-radio,alt.ham-radio
References: <1pj78.13909$S06.50196@rwcrnsc53>
<3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
<a3lot0$ggq$12@quark.scn.rain.com> <u641sp90odn6c8@corp.supernews.com>
<3E3AB5334EBB50F8.724003D3CFBEF78C.7CB01CA655C6F705@lp.airnews.net>
<a40ctq$aro$8@quark.scn.rain.com>
Subject: Re: CC&R's and antennas????
Lines: 13
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <j%198.15016$fK1.79941@rwcrnsc54>
NNTP-Posting-Host: 12.246.170.1

X-Complaints-To: abuse@attbi.com
X-Trace: rwcrnsc54 1013230671 12.246.170.1 (Sat, 09 Feb 2002 04:57:51 GMT)
NNTP-Posting-Date: Sat, 09 Feb 2002 04:57:51 GMT
Organization: AT&T Broadband
Date: Sat, 09 Feb 2002 04:57:51 GMT
Xref: archiver1.google.com rec.radio.amateur.antenna:39239 rec.radio.amateur:3098

Atually, the area I live in is very nice, but really just a housing tract. There is no home owners association, but there are CC&R's. I guess the only way to enforce them is through individuals taking other individuals to court.

I am still not sure what I am going to do about my antenna situation. I have talked to a few neighbors that don't seem to mind the idea of an antenna, but everything is still up in the air. Meanwhile, my IC746 sits by on my desk waiting for use.

James

From -2972243648446015535
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,660b4b7a8a4b8b9e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f557d,660b4b7a8a4b8b9e
X-Google-Attributes: gidf557d,public
X-Google-Thread: fe552,660b4b7a8a4b8b9e
X-Google-Attributes: gidfe552,public
X-Google-Thread: fddbf,660b4b7a8a4b8b9e
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fa656,660b4b7a8a4b8b9e
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-02-10 18:36:21 PST
Path: archiver1.google.com!postnews1.google.com!not-for-mail
From: golfradio@yahoo.com (Mark)
Newsgroups: es.rec.radio.amateur,in.ham-radio,rec.ham-radio,rec.ham-radio.packet,rec.radio.amateur
Subject: Re: TS-850s and KAM
Date: 10 Feb 2002 18:36:19 -0800
Organization: http://groups.google.com/
Lines: 22
Message-ID: <21b5602c.0202101836.d9db8b2@posting.google.com>
References: <k3008.4552$V55.637689@e3500-atl1.usenetserver.com>
NNTP-Posting-Host: 68.14.91.116
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1013394980 20786 127.0.0.1 (11 Feb 2002 02:36:20 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: 11 Feb 2002 02:36:20 GMT
Xref: archiver1.google.com es.rec.radio.amateur:3064 in.ham-radio:75 rec.radio.amateur:3115

Keith,

I believe the answer can be found in the Hints and Kinks section of the November 1993 QST magazine. There is a writeup entitled "Curing multimode communications processor distortion with the Kenwood TS-850S".

73', Mark NB1U

"Keith Barnes" <ke5ga@bellsouth.net> wrote in message
news:<k3008.4552$V55.637689@e3500-atl1.usenetserver.com>...

> Hi gang,
>
> I have had problems with rf getting into the mic section of the 850 when a
> KAM/KAM Plus is connected using the 13 pin plug. Kantronics had a fix by
> installing either a capacitor 1pf or so in the plug. Kenwood also had a fix
> but it required rig surgery. Anyone know the Kantronics recommended fix. I
> have been searching all over for it and have not had any luck and I can't
> seem to find my hand written documentation.
>
> Thanks
> Keith
> W5KB

From -2878618817266727440
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2002-02-11 23:33:51 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!isdnet!howland.erols.net!news.airnews.net!cabal10.airnews.net!cabal1.airnews.net!news-f.iadfw.net!usenet
From: "Joe Bramblett, KD5NRH" <kd5nrh-r.r.a.a@kd5nrh.net>
Newsgroups: rec.radio.amateur.antenna,rec.ham-radio,alt.ham-radio
Subject: Re: CC&R's and antennas????
Date: Tue, 12 Feb 2002 01:33:34 -0600
Organization: Airnews.net! at Internet America
Lines: 22
Message-ID: <722E5B316F14B369.160BDA73DF3A33E0.B2BEE7B68E30C03E@lp.airnews.net>
X-Orig-Message-ID: <2sRoPN=FZrJfwVh5K4rDaPy2U9PK@4ax.com>
References: <3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
<a3lot0$ggq$12@quark.scn.rain.com> <u641sp90odn6c8@corp.supernews.com>
<a3tcfl$c58$1@quark.scn.rain.com> <u64euan6o7ppa4@corp.supernews.com>
<k5356uskja8hlp4lv8loh2pjjvr3nsak5i@4ax.com> <u6567f6k6fc7bb@corp.supernews.com>
<hga56u0c3n83u1qver0g254qp8hgho1q6p@4ax.com>
<a3uppb$1algc2$1@ID-59690.news.dfncis.de>

```
<4bt56uceq9r6ckq8mpicsg85a639uqa9a4@4ax.com>
Abuse-Reports-To: abuse at airmail.net to report improper postings
NNTP-Proxy-Relay: library2.airnews.net
NNTP-Posting-Time: Tue Feb 12 01:33:10 2002
NNTP-Posting-Host: !]_kY1k-XBq/L3p-r"?%CMYF" (Encoded at Airnews!)
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Newsreader: Forte Agent i1.6/32.525
Xref: archiver1.google.com rec.radio.amateur.antenna:39382
```

On Thu, 07 Feb 2002 16:58:10 -0500, Jake Brodsky <frussle@erols.com> wrote:

>Amen. They're slapping these $600k "cottages" on single acre lots. It looks like a bunch of overgrown suburban houses scaled up so that they're still too close to one another. Don't get me wrong, these houses are quite nice inside. But I like having enough land around my house so I can hoot, holler, shoot spuds in the air and keep animals without annoying my neighbors...

Amen to that, and if any of you guys with nice houses in the country are planning to go SK soon, just leave me the house.

P.S. if you've got a tower, pick up a climbing belt in my size to go with the house.

;)

Joe Bramblett, KD5NRH
kd5nrh@kd5nrh.net
http://www.kd5nrh.net

```
From -1033565367991092660
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f5e6bee69d7c15c9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,f5e6bee69d7c15c9,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,f5e6bee69d7c15c9,start
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,f5e6bee69d7c15c9,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-02-22 23:07:33 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!isdnet!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!teleglobe.net!teleglobe.net!
teleglobe.net!teleglobe.net!66.185.86.143.MISMATCH!news03.bloor.is!
news1.bloor.is.POSTED!12dc6cf53ab2750!not-for-mail
Reply-To: "ScanMan" <MyScannerIsOn@MyPlace.com>
From: "ScanMan" <MyScannerIsOn@MyPlace.com>
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-radio,rec.radio.amateur
```

```
Subject: Amateur Radio Email address list
Lines: 17
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <LcHd8.5588$4xE.4645@news1.bloor.is>
Date: Sat, 23 Feb 2002 07:07:23 GMT
NNTP-Posting-Host: 24.42.207.208
X-Complaints-To: abuse@rogers.com
X-Trace: news1.bloor.is 1014448043 24.42.207.208 (Sat, 23 Feb 2002 02:07:23 EST)
NNTP-Posting-Date: Sat, 23 Feb 2002 02:07:23 EST
Xref: archiver1.google.com rec.radio.amateur:3154
```

I am just wondering if there is a place on the net where, I might be able to get a list of Canadian Amateur Radio email addresses. I know that it goes like callsign@rac.ca

Is there anywhere I can get a list of these.

also, American might be nice too, but for now I am just looking at Canadian

Thanks,

---
Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.325 / Virus Database: 182 - Release Date: 2/20/2002

```
From -6372555357291265607
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f5e6bee69d7c15c9
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,f5e6bee69d7c15c9
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,f5e6bee69d7c15c9
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,f5e6bee69d7c15c9
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2002-02-23 02:27:04 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!isdnet!
newsfeed.cwix.com!newscon02.news.prodigy.com!newsmst01.news.prodigy.com!
prodigy.com!postmaster.news.prodigy.com!newssvr17.news.prodigy.com.POSTED!not-for-
mail
From: "Chug" <Bluefis@hotmail.com>
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-radio,rec.radio.amateur
References: <LcHd8.5588$4xE.4645@news1.bloor.is>
Subject: Re: Amateur Radio Email address list
Lines: 26
```

```
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <_6Kd8.10147$X_2.1467820165@newssvr17.news.prodigy.com>
NNTP-Posting-Host: 63.208.238.126
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr17.news.prodigy.com 1014459962 ST000 63.208.238.126 (Sat, 23 Feb
2002 05:26:02 EST)
NNTP-Posting-Date: Sat, 23 Feb 2002 05:26:02 EST
Organization: Prodigy Internet http://www.prodigy.com
X-UserInfo1:
[[PAPDONRZUWRVPXORHFOFTBGR_N@ATM[@GZ_GYO^BVNDQUBLNTC@AWZWDXZXQ[K\FFSKCVM@F_N_DOBWV
WG__LG@VVOIPLIGX\
\BU_B@\P\PFX\B[APHTWAHDCKJF^NHD[YJAZMCY_CWG[SX\Y]^KC\HSZRWSWKGAY_PC[BQ[BXAS\F\
\@DMTLFZFUE@\VL
Date: Sat, 23 Feb 2002 10:26:02 GMT
Xref: archiver1.google.com rec.radio.amateur:3156

Why?


"ScanMan" <MyScannerIsOn@MyPlace.com> wrote in message
news:LcHd8.5588$4xE.4645@news1.bloor.is...
> I am just wondering if there is a place on the net where, I might be able
to
> get a list of Canadian Amateur Radio email addresses.  I know that it goes
> like callsign@rac.ca
>
> Is there anywhere I can get a list of these.
>
> also, American might be nice too, but for now I am just looking at
Canadian
>
> Thanks,
>
>
> ---
> Outgoing mail is certified Virus Free.
> Checked by AVG anti-virus system (http://www.grisoft.com).
> Version: 6.0.325 / Virus Database: 182 - Release Date: 2/20/2002
>
>




From 4423063465382397671
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f5e6bee69d7c15c9
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,f5e6bee69d7c15c9
X-Google-Attributes: gid108778,public
```

```
X-Google-Thread: 10ed5f,f5e6bee69d7c15c9
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,f5e6bee69d7c15c9
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-02-23 03:30:26 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
62.24.128.9.MISMATCH!news-1.opaltelecom.net!newsfeed.icl.net!newspeer.clara.net!
news.clara.net!dispose.news.demon.net!demon!diablo.theplanet.net!
diablo.theplanet.net!news.indigo.ie!my.linux.box!nobody
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-radio,rec.radio.amateur
From: Eamon Skelton <Xnospam@oceanfree.net>
Subject: Re: Amateur Radio Email address list
References: <LcHd8.5588$4xE.4645@news1.bloor.is>
<_6Kd8.10147$X_2.1467820165@newssvr17.news.prodigy.com>
Reply-To: Eamon Skelton <Xnospam@oceanfree.net>
User-Agent: Gobshite Express (Linux)
Message-ID: <deu75a.jhd.ln@my.linux.box>
Lines: 13
Date: Sat, 23 Feb 2002 11:29:17 +0000
NNTP-Posting-Host: 194.125.165.168
X-Complaints-To: news@indigo.ie
X-Trace: news.indigo.ie 1014463820 194.125.165.168 (Sat, 23 Feb 2002 11:30:20 GMT)
NNTP-Posting-Date: Sat, 23 Feb 2002 11:30:20 GMT
Organization: Indigo
Xref: archiver1.google.com rec.radio.amateur:3157

In article <_6Kd8.10147$X_2.1467820165@newssvr17.news.prodigy.com>, Chug wrote:

> Why?

There is only one possible reason why, he's a SPAMMER.

E.S.


--
Remove 'X' to reply.
http://homepage.eircom.net/~ei9gq
Linux 2.4.17


From 3454822587498245310
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f5e6bee69d7c15c9
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,f5e6bee69d7c15c9
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,f5e6bee69d7c15c9
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,f5e6bee69d7c15c9
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-02-24 09:49:23 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-04!supernews.com!
```

```
216.227.56.88.MISMATCH!DirecTVinternet!DirecTV-DSL!hub1.nntpserver.com!
feed.cgocable.net!read1.cgocable.net.POSTED!53ab2750!not-for-mail
From: "Dwight Weisman" <NOdweisman5SPAM@home.dot.com>
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-radio,rec.radio.amateur
References: <LcHd8.5588$4xE.4645@news1.bloor.is>
<_6Kd8.10147$X_2.1467820165@newssvr17.news.prodigy.com>
<deu75a.jhd.ln@my.linux.box>
Subject: Re: Amateur Radio Email address list
Lines: 24
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <SJ9e8.27108$UE.372291@read1.cgocable.net>
Date: Sun, 24 Feb 2002 12:49:02 -0500
NNTP-Posting-Host: 24.226.38.192
X-Complaints-To: abuse@cogeco.ca
X-Trace: read1.cgocable.net 1014573042 24.226.38.192 (Sun, 24 Feb 2002 12:50:42
EST)
NNTP-Posting-Date: Sun, 24 Feb 2002 12:50:42 EST
Organization: Cogeco Cable
Xref: archiver1.google.com rec.radio.amateur:3159

I have to agree, you would think . . . nah I won't say that it would just
give him ideas he doesn't already have.  Oh well, I might as well be happy
that I haven't sent my dues of to RAC and set up my email yet :(.

--
items may be closer than they appear
"Eamon Skelton" <Xnospam@oceanfree.net> wrote in message
news:deu75a.jhd.ln@my.linux.box...
> In article <_6Kd8.10147$X_2.1467820165@newssvr17.news.prodigy.com>, Chug
wrote:
>
> > Why?
>
> There is only one possible reason why, he's a SPAMMER.
>
> E.S.
>
>
> --
> Remove 'X' to reply.
> http://homepage.eircom.net/~ei9gq
> Linux 2.4.17




From 6032953678613761551
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f5e6bee69d7c15c9
X-Google-Attributes: gid10c9e3,public
```

X-Google-Thread: 10ed5f,f5e6bee69d7c15c9
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,f5e6bee69d7c15c9
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,f5e6bee69d7c15c9
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-02-25 05:01:18 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
feedme.news.mediaways.net!priapus.visi.com!news-out.visi.com!hermes.visi.com!
hub1.meganetnews.com!newsfeed.sjc.globix.net!cyclone-sf.pbi.net!64.245.249.51!
sfo2-feed1.news.digex.net!dca6-feed2.news.digex.net!intermedia!feed2.news.rcn.net!
rcn!news.voicenet.com!yellow.newsread.com!netaxs.com!newsread.com!
POSTED.monger.newsread.com!not-for-mail
From: "KC8PMX" <kc8pmx@NOSPAMdiamondcs.net>
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-radio,rec.radio.amateur
References: <LcHd8.5588$4xE.4645@news1.bloor.is>
<_6Kd8.10147$X_2.1467820165@newssvr17.news.prodigy.com>
<deu75a.jhd.ln@my.linux.box>
Subject: Re: Amateur Radio Email address list
Lines: 32
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2919.6600
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
Message-ID: <iAqe8.2938$eI1.759271@monger.newsread.com>
Date: Mon, 25 Feb 2002 13:01:02 GMT
NNTP-Posting-Host: 64.7.163.223
X-Complaints-To: Abuse Role <abuse@tm.net>, We Care <abuse@newsread.com>
X-Trace: monger.newsread.com 1014642062 64.7.163.223 (Mon, 25 Feb 2002 08:01:02 EST)
NNTP-Posting-Date: Mon, 25 Feb 2002 08:01:02 EST
Organization: The Mercury Network (tm.net)
Xref: archiver1.google.com rec.radio.amateur:3168

That could be true, or he could also be needing to contact some he may have had prior contact with. Or....

There has been a few cases where I did not have the opportunity to exchange an email address over the air, and it would have been nice to have a place to get that. I suppose more people should have their profile pages on Qrz.com filled out as that may be a solution.

You are probably right but I guess I always shoot for the underdog.

Ryan

"Eamon Skelton" <Xnospam@oceanfree.net> wrote in message news:deu75a.jhd.ln@my.linux.box...
> In article <_6Kd8.10147$X_2.1467820165@newssvr17.news.prodigy.com>, Chug wrote:
>

> > Why?
>
> There is only one possible reason why, he's a SPAMMER.
>
> E.S.
>
>
> --
> Remove 'X' to reply.
> http://homepage.eircom.net/~ei9gq
> Linux 2.4.17

```
From -4138293414592256993
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2002-02-26 17:36:52 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed.cwix.com!newsfeed1.cidera.com!
Cidera!news.netcarrier.net!not-for-mail
From: ricknj10@hotmail.com (Rick )
Newsgroups: rec.radio.amateur.antenna,rec.ham-radio,alt.ham-radio
Subject: Re: CC&R's  and antennas????
Message-ID: <3c7c36f7.302887083@news.eclipse.net>
References: <3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
<a3lot0$ggq$12@quark.scn.rain.com> <u641sp90odn6c8@corp.supernews.com>
<a3tcfl$c58$1@quark.scn.rain.com> <u64euan6o7ppa4@corp.supernews.com>
<k5356uskja8hlp4lv8loh2pjjvr3nsak5i@4ax.com> <u6567f6k6fc7bb@corp.supernews.com>
<hga56u0c3n83u1qver0g254qp8hgho1q6p@4ax.com>
<a3uppb$1algc2$1@ID-59690.news.dfncis.de>
<4bt56uceq9r6ckq8mpicsg85a639uqa9a4@4ax.com>
<722E5B316F14B369.160BDA73DF3A33E0.B2BEE7B68E30C03E@lp.airnews.net>
X-Newsreader: Forte Free Agent 1.21/32.243
Lines: 12
Date: Wed, 27 Feb 2002 01:35:47 GMT
NNTP-Posting-Host: 216.178.91.149
X-Complaints-To: news@netcarrier.com
X-Trace: news.netcarrier.net 1014772948 216.178.91.149 (Tue, 26 Feb 2002 20:22:28
EST)
NNTP-Posting-Date: Tue, 26 Feb 2002 20:22:28 EST
Organization: NetCarrier Internet Services
Xref: archiver1.google.com rec.radio.amateur.antenna:40337
```

>But I like having enough land around my

>>house so I can hoot, holler, shoot spuds in the air and keep animals
>>without annoying my neighbors...

And the best part - while you are out in your field working on your
antennas, and you have to take a leak, you don't have to go all the
way back to the house.
At this QTH - 7 acres, fields, woods, tower, no CC&Rs, no neighbors,
no XYL, no problems.

Rick K2XT

```
From -2381843520871701165
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-02-26 17:51:11 PST
From: "VE3TMT" <ve3tmt@rac.ca>
Newsgroups: rec.radio.amateur.antenna,rec.ham-radio,alt.ham-radio
References: <3vn78.15460$ym3.54043@rwcrnsc51.ops.asp.att.net>
<CGo78.19507$PC.113748@rwcrnsc52.ops.asp.att.net>
<a3lot0$ggq$12@quark.scn.rain.com> <u641sp90odn6c8@corp.supernews.com>
<a3tcfl$c58$1@quark.scn.rain.com> <u64euan6o7ppa4@corp.supernews.com>
<k5356uskja8hlp4lv8loh2pjjvr3nsak5i@4ax.com> <u6567f6k6fc7bb@corp.supernews.com>
<hga56u0c3n83u1qver0g254qp8hgho1q6p@4ax.com>
<a3uppb$1algc2$1@ID-59690.news.dfncis.de>
<4bt56uceq9r6ckq8mpicsg85a639uqa9a4@4ax.com>
<722E5B316F14B369.160BDA73DF3A33E0.B2BEE7B68E30C03E@lp.airnews.net>
<3c7c36f7.302887083@news.eclipse.net>
Subject: Re: CC&R's  and antennas????
Lines: 11
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <OUWe8.4787$it5.1704168@news20.bellglobal.com>
Date: Tue, 26 Feb 2002 20:47:24 -0500
NNTP-Posting-Host: 65.93.76.152
X-Complaints-To: abuse@sympatico.ca
X-Trace: news20.bellglobal.com 1014774446 65.93.76.152 (Tue, 26 Feb 2002 20:47:26
EST)
NNTP-Posting-Date: Tue, 26 Feb 2002 20:47:26 EST
Organization: Bell Sympatico
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!sunqbc.risq.qc.ca!torn!webster!
nf1.bellglobal.com!nf2.bellglobal.com!news20.bellglobal.com.POSTED!not-for-mail
Xref: archiver1.google.com rec.radio.amateur.antenna:40339
```

> At this QTH - 7 acres, fields, woods, tower, no CC&Rs, no neighbors,
> no XYL, no problems.
>
> Rick K2XT

I we could all be so lucky..

At this QTH - 1 backyard, two kids, 1 XYL. a cat and one hidden HF antenna!!

From 5742432481900860831
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f5e6bee69d7c15c9
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,f5e6bee69d7c15c9
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,f5e6bee69d7c15c9
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,f5e6bee69d7c15c9
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-02-26 18:16:08 PST
Path: archiver1.google.com!news1.google.com!sn-xit-03!supernews.com!
logbridge.uoregon.edu!xmission!hub1.nntpserver.com!peer1-sjc1.usenetserver.com!
usenetserver.com!pd2nf1so.cg.shawcable.net!residential.shaw.ca!
news1.calgary.shaw.ca.POSTED!not-for-mail
X-Trace-PostClient-IP: 24.64.193.190
Message-ID: <3C7C411F.6040904@shaw.ca>
From: ve7agw <ve7agw@shaw.ca>
User-Agent: Mozilla/5.0 (Windows; U; Win98; en-US; rv:0.9.4) Gecko/20011128
Netscape6/6.2.1
X-Accept-Language: en-us
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-radio,rec.radio.amateur
Subject: Re: Amateur Radio Email address list
References: <LcHd8.5588$4xE.4645@news1.bloor.is>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
Lines: 24
Date: Wed, 27 Feb 2002 02:15:06 GMT
NNTP-Posting-Host: 24.64.223.206
X-Complaints-To: abuse@shaw.ca
X-Trace: news1.calgary.shaw.ca 1014776106 24.64.223.206 (Tue, 26 Feb 2002 19:15:06
MST)
NNTP-Posting-Date: Tue, 26 Feb 2002 19:15:06 MST
Organization: Shaw Residential Internet
Xref: archiver1.google.com rec.radio.amateur:3175

www.rac.ca   should get what you are looking for.

ScanMan wrote:

> I am just wondering if there is a place on the net where, I might be able to
> get a list of Canadian Amateur Radio email addresses. I know that it goes
> like callsign@rac.ca
>
> Is there anywhere I can get a list of these.
>
> also, American might be nice too, but for now I am just looking at Canadian
>
> Thanks,
>
>
> ---
> Outgoing mail is certified Virus Free.
> Checked by AVG anti-virus system (http://www.grisoft.com).
> Version: 6.0.325 / Virus Database: 182 - Release Date: 2/20/2002
>
>
>

```
From -7050711341309423075
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f5e6bee69d7c15c9
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,f5e6bee69d7c15c9
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,f5e6bee69d7c15c9
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,f5e6bee69d7c15c9
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2002-02-26 18:53:01 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
62.24.128.9.MISMATCH!news-1.opaltelecom.net!newsfeed.wirehub.nl!
amsnews01.chello.com!trev!teleglobe.net!teleglobe.net!teleglobe.net!
66.185.86.143.MISMATCH!news03.bloor.is!news1.bloor.is.POSTED!12dc6cf53ab2750!not-
for-mail
Reply-To: "ScanMan" <MyScannerIsOn@MyPlace.com>
From: "ScanMan" <MyScannerIsOn@MyPlace.com>
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-radio,rec.radio.amateur
References: <LcHd8.5588$4xE.4645@news1.bloor.is> <3C7C411F.6040904@shaw.ca>
Subject: Re: Amateur Radio Email address list
Lines: 42
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <RRXe8.4913$jL.1205@news1.bloor.is>
Date: Wed, 27 Feb 2002 02:52:33 GMT
NNTP-Posting-Host: 24.42.207.208
X-Complaints-To: abuse@rogers.com
X-Trace: news1.bloor.is 1014778353 24.42.207.208 (Tue, 26 Feb 2002 21:52:33 EST)
```

NNTP-Posting-Date: Tue, 26 Feb 2002 21:52:33 EST
Xref: archiver1.google.com rec.radio.amateur:3176

Tried that, but that didn't work out. It did in a sense, but not quite what
I was looking for.

Thanks, for your help.

"ve7agw" <ve7agw@shaw.ca> wrote in message news:3C7C411F.6040904@shaw.ca...
> www.rac.ca   should get what you are looking for.
>
>
> ScanMan wrote:
>
> > I am just wondering if there is a place on the net where, I might be
able to
> > get a list of Canadian Amateur Radio email addresses. I know that it
goes
> > like callsign@rac.ca
> >
> > Is there anywhere I can get a list of these.
> >
> > also, American might be nice too, but for now I am just looking at
Canadian
> >
> > Thanks,
> >
> >
> > ---
> > Outgoing mail is certified Virus Free.
> > Checked by AVG anti-virus system (http://www.grisoft.com).
> > Version: 6.0.325 / Virus Database: 182 - Release Date: 2/20/2002
> >
> >
> >
>

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.325 / Virus Database: 182 - Release Date: 2/19/2002

From 3941605911137769942
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f5e6bee69d7c15c9
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,f5e6bee69d7c15c9
X-Google-Attributes: gid108778,public

```
X-Google-Thread: 10ed5f,f5e6bee69d7c15c9
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,f5e6bee69d7c15c9
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-02-28 21:09:24 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-01!supernews.com!
newshub2.rdc1.sfba.home.com!news.home.com!news1.rdc1.fl.home.com.POSTED!not-for-
mail
From: burt@burtwizeman.com
Subject: Re: Amateur Radio Email address list
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-radio,rec.radio.amateur
MIME-Version: 1.0
References: <LcHd8.5588$4xE.4645@news1.bloor.is>
X-Newsreader: Lotus Notes Release 5.0.7  March 21, 2001
X-MIMETrack: Serialize by Notes Client on Burton D. Wizeman(Release 5.0.7 |March
21, 2001) at
 03/01/2002 12:09:29 AM,
     Serialize complete at 03/01/2002 12:09:29 AM
Content-Type: text/plain; charset="us-ascii"
Lines: 1
Message-ID: <72Ef8.58893$B21.15180991@news1.rdc1.fl.home.com>
Date: Fri, 01 Mar 2002 05:09:23 GMT
NNTP-Posting-Host: 68.56.88.102
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.fl.home.com 1014959363 68.56.88.102 (Thu, 28 Feb 2002 21:09:23
PST)
NNTP-Posting-Date: Thu, 28 Feb 2002 21:09:23 PST
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com rec.radio.amateur:3178
```

Scanman or Spam Man?

```
From 5710150797154293320
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36add693bb77505e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,36add693bb77505e
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 10ed5f,36add693bb77505e
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-03-02 23:03:18 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-06!supernews.com!
news.airnews.net!cabal10.airnews.net!cabal1.airnews.net!news-f.iadfw.net!usenet
From: "Joe Bramblett, KD5NRH" <kd5nrh-r.r.a.a@kd5nrh.net>
Newsgroups: rec.radio.amateur.antenna,rec.ham-radio,alt.ham-radio
Subject: Re: CC&R's  and antennas????
Date: Sun, 03 Mar 2002 00:59:35 -0600
Organization: Airnews.net! at Internet America
Lines: 13
Message-ID: <A05E63CD363B0E89.4582B81C93CEC198.888CE11D75E20A8B@lp.airnews.net>
X-Orig-Message-ID: <sMmBPDUtVE4JzUfMf82NH1PBS2yY@4ax.com>
References: <a3lot0$ggq$12@quark.scn.rain.com> <u641sp90odn6c8@corp.supernews.com>
```

<a3tcfl$c58$1@quark.scn.rain.com> <u64euan6o7ppa4@corp.supernews.com>
<k5356uskja8hlp4lv8loh2pjjvr3nsak5i@4ax.com> <u6567f6k6fc7bb@corp.supernews.com>
<hga56u0c3n83u1qver0g254qp8hgho1q6p@4ax.com>
<a3uppb$1algc2$1@ID-59690.news.dfncis.de>
<4bt56uceq9r6ckq8mpicsg85a639uqa9a4@4ax.com>
<722E5B316F14B369.160BDA73DF3A33E0.B2BEE7B68E30C03E@lp.airnews.net>
<3c7c36f7.302887083@news.eclipse.net>
Abuse-Reports-To: abuse at airmail.net to report improper postings
NNTP-Proxy-Relay: library2.airnews.net
NNTP-Posting-Time: Sun Mar 3 01:02:20 2002
NNTP-Posting-Host: !\GH=1k-X2m6lRN-r"?%CM_`* (Encoded at Airnews!)
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Newsreader: Forte Agent i1.6/32.525
Xref: archiver1.google.com rec.radio.amateur.antenna:40644

On Wed, 27 Feb 2002 01:35:47 GMT, ricknj10@hotmail.com (Rick) wrote:

>And the best part - while you are out in your field working on your
>antennas, and you have to take a leak, you don't have to go all the
>way back to the house.

Rick, the tower if for antennas, not for peeing-for-distance contests.
:)

Joe Bramblett, KD5NRH
kd5nrh@kd5nrh.net
http://www.kd5nrh.net

From -2649701166767339305
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e937778026cc8283,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,e937778026cc8283,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 108122,e937778026cc8283,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,e937778026cc8283,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,e937778026cc8283,start
X-Google-Attributes: gid11480d,public
X-Google-ArrivalTime: 2002-03-09 06:51:54 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
canoe.uoregon.edu!logbridge.uoregon.edu!newsengine.sol.net!wn1feed!
worldnet.att.net!204.127.198.204!attbi_feed4!attbi_feed3!attbi.com!
sccrnsc02.POSTED!not-for-mail
From: "JEEPMON" <JEEPMON@HOTMAIL.COM>
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment

```
Subject: 6 meter antenna?
Lines: 13
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <ckpi8.7110$702.9635@sccrnsc02>
NNTP-Posting-Host: 12.251.145.98
X-Complaints-To: abuse@attbi.com
X-Trace: sccrnsc02 1015685512 12.251.145.98 (Sat, 09 Mar 2002 14:51:52 GMT)
NNTP-Posting-Date: Sat, 09 Mar 2002 14:51:52 GMT
Organization: AT&T Broadband
Date: Sat, 09 Mar 2002 14:51:52 GMT
Xref: archiver1.google.com rec.radio.amateur:3216 rec.radio.amateur.antenna:41201
rec.radio.amateur.dx:5510 rec.radio.amateur.equipment:26454
```

I need help picking the best 6 meter vertical antenna.
I think I have narrowed it down to:
Hy-Gain V-6R
Diamond DP-GH62

Has anyone ever used these two antennas and if so wich are the best in radiation, gain, and quality.

THANX!

```
From 8146254804394550726
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e937778026cc8283
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11480d,e937778026cc8283
X-Google-Attributes: gid11480d,public
X-Google-Thread: 108122,e937778026cc8283
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,e937778026cc8283
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,e937778026cc8283
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-03-09 07:20:42 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-post-01!supernews.com!
corp.supernews.com!not-for-mail
From: "radiofun" <radiofun@charter.net>
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.a
mateur.equipment
Subject: Re: 6 meter antenna?
Date: Sat, 9 Mar 2002 10:16:20 -0500
Organization: Posted via Supernews, http://www.supernews.com
```

Message-ID: <u8ka29qmjncge0@corp.supernews.com>
References: <ckpi8.7110$702.9635@sccrnsc02>
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
X-Complaints-To: newsabuse@supernews.com
Lines: 24
Xref: archiver1.google.com rec.radio.amateur:3217 rec.radio.amateur.antenna:41203 rec.radio.amateur.dx:5511 rec.radio.amateur.equipment:26455

I tell ya what. I'm sure the Hy-Gain and the Diamond do is very nice job. I used a Lakeview Colinear several years ago on 6, with VERY good results. It is very inexpensive too! Non of these do as well as a good beam or quad, but for the money, the Lakeview did an excellent job! http://www.hamstick.com/

"JEEPMON" <JEEPMON@HOTMAIL.COM> wrote in message
news:ckpi8.7110$702.9635@sccrnsc02...
> I need help picking the best 6 meter vertical antenna.
> I think I have narrowed it down to:
> Hy-Gain V-6R
> Diamond DP-GH62
>
> Has anyone ever used these two antennas and if so wich are the best in
> radiation, gain, and quality.
>
> THANX!
>
>
>
>

From -8194957999526833239
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e937778026cc8283
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,e937778026cc8283
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108122,e937778026cc8283
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,e937778026cc8283
X-Google-Attributes: gid11480d,public
X-Google-Thread: fcc6e,e937778026cc8283
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2002-03-09 11:13:33 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed.cwix.com!newsfeed1.cidera.com!Cidera!cyclone.tampabay.rr.com!news-post.tampabay.rr.com!

typhoon.tampabay.rr.com.POSTED!not-for-mail
Message-ID: <3C8A5EBA.D26F31E8@tampabay.rr.com>
From: Dennis Kaylor <k4oxg@tampabay.rr.com>
X-Mailer: Mozilla 4.79 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment
Subject: Re: 6 meter antenna?
References: <ckpi8.7110$702.9635@sccrnsc02>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 20
Date: Sat, 09 Mar 2002 19:13:31 GMT
NNTP-Posting-Host: 65.32.136.177
X-Complaints-To: abuse@rr.com
X-Trace: typhoon.tampabay.rr.com 1015701211 65.32.136.177 (Sat, 09 Mar 2002 14:13:31 EST)
NNTP-Posting-Date: Sat, 09 Mar 2002 14:13:31 EST
Organization: RoadRunner - TampaBay
Xref: archiver1.google.com rec.radio.amateur:3219 rec.radio.amateur.antenna:41207 rec.radio.amateur.dx:5514 rec.radio.amateur.equipment:26466

hey jeep
i used a mosley diplomat for 6 meters its a 5/8s wave vertical with a
ground plane under it i had one at 60 feet and it was nearly only a DB or
so off what my 5 ele yagi was that was at 50 feet
i think they still make them but when buying from them be paitent they
take a long time to get things from
http://www.mosley-electronics.com

JEEPMON wrote:

> I need help picking the best 6 meter vertical antenna.
> I think I have narrowed it down to:
> Hy-Gain V-6R
> Diamond DP-GH62
>
> Has anyone ever used these two antennas and if so wich are the best in
> radiation, gain, and quality.
>
> THANX!

From 220520091760863292
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e937778026cc8283
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,e937778026cc8283
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,e937778026cc8283

X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,e937778026cc8283
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,e937778026cc8283
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2002-03-11 12:30:02 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news.ems.psu.edu!news.cse.psu.edu!logbridge.uoregon.edu!feed2.news.rcn.net!feed1.news.rcn.net!rcn!not-for-mail
From: "Mark Walsh" <mark@km6xu.die.spam.die.com>
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment
Subject: Re: 6 meter antenna?
Date: Mon, 11 Mar 2002 12:31:51 -0800
Lines: 14
Message-ID: <a6j431$c6o$1@bob.news.rcn.net>
References: <ckpi8.7110$702.9635@sccrnsc02>
Reply-To: "Mark Walsh" <mark@km6xu.die.spam.die.com>
X-Trace: UmFuZG9tSVZ1GgrnMVC737cASgmba0zALSHkJZMBCcoB7/GoSwQDPIuKcHXtcEzP
X-Complaints-To: abuse@rcn.com
NNTP-Posting-Date: 11 Mar 2002 20:29:21 GMT
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
X-Priority: 3
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MSMail-Priority: Normal
Xref: archiver1.google.com rec.radio.amateur:3230 rec.radio.amateur.antenna:41316 rec.radio.amateur.dx:5534 rec.radio.amateur.equipment:26556

"JEEPMON" <JEEPMON@HOTMAIL.COM> wrote:

> I need help picking the best 6 meter vertical antenna.
> I think I have narrowed it down to:
> Hy-Gain V-6R
> Diamond DP-GH62

> Has anyone ever used these two antennas and if so wich are the best in
> radiation, gain, and quality.

I've been through a couple of GH62 antennas.
They offer great gain, but are easily destroyed by wind.

From 3079511947179938548
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,cda34599ff2e3c76,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,cda34599ff2e3c76,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fc2a5,cda34599ff2e3c76,start
X-Google-Attributes: gidfc2a5,public

X-Google-Thread: fcc6e,cda34599ff2e3c76,start
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2002-03-17 09:55:17 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!news.tele.dk!small.news.tele.dk!213.204.128.162!news000.worldonline.se!news-stob.telia.net!news-sto.telia.net!masternews.telia.net.!newsb.telia.net.POSTED!not-for-mail
From: "Isacc Newman" <someone@micro$oft.com>
Newsgroups: rec.ham-radio,rec.radio.amateur.antenna,uk.radio.amateur,rec.radio.amateur.homebrew
Subject: 200 radio/electronic projects many with pcb foils
Lines: 16
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Message-ID: <3M4l8.32897$l93.6442206@newsb.telia.net>
Date: Sun, 17 Mar 2002 17:55:11 GMT
NNTP-Posting-Host: 213.64.22.121
X-Complaints-To: abuse@telia.com
X-Trace: newsb.telia.net 1016387711 213.64.22.121 (Sun, 17 Mar 2002 18:55:11 CET)
NNTP-Posting-Date: Sun, 17 Mar 2002 18:55:11 CET
Organization: Telia Internet
Xref: archiver1.google.com rec.radio.amateur.antenna:41600 uk.radio.amateur:53041 rec.radio.amateur.homebrew:12627

Hi all,

HF, VHF, Antennas, Transmitters, Receivers, Wireless microphones, VHF FM Broadcasting. SSB, RTTY, CW, Kits, Synthesisers, EPROMS (in both digital and anali�gue circuits). Is there anything there that interests you?

Come to http://pmp3.net/harry for a lot of homebrew radio/electronics fun (if you want to be 100% serious or be miserable then perhaps it may not be the right place for you).

There are not very many links, though. Sorry! Just a few component suppliers and the odd "usefull" page.

BR from Harry - SM0VPO

From -9212628519711478538
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae9e364820df0f8d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,ae9e364820df0f8d,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,ae9e364820df0f8d,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2002-03-17 10:52:09 PST

```
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed.cwix.com!
newscon02.news.prodigy.com!newsmst01.news.prodigy.com!prodigy.com!
postmaster.news.prodigy.com!newssvr15.news.prodigy.com.POSTED!not-for-mail
From: "North Georgia Web Designs" <ngwd@ngwd.com>
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.swap
Subject: Attic Antenna
Lines: 11
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-Mimeole: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <5B5l8.1026$tH.154265778@newssvr15.news.prodigy.com>
NNTP-Posting-Host: 64.48.176.174
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr15.news.prodigy.com 1016391105 ST000 64.48.176.174 (Sun, 17 Mar
2002 13:51:45 EST)
NNTP-Posting-Date: Sun, 17 Mar 2002 13:51:45 EST
Organization: Prodigy Internet http://www.prodigy.com
X-UserInfo1: S[OOR]
[GQB^_BPLY]BIXKQ@@AZJTBUDKFA_J]Q]KEYUNDQUCCNSUAACY@L[ZX__HGFD]JBJNSFXTOOGA_VWY^_HG
@FW_HUTHOH]TBPGCO\P^PLP^@[GLHUK@WLECKFVL^TYG[@RMWQXIWM[SDDYWNLG_G[_BWUCHFY_Y@AS@Q[
B\APPF@DCZM_PG_VSCPQZM
Date: Sun, 17 Mar 2002 18:51:45 GMT
Xref: archiver1.google.com rec.ham-radio.swap:1598 rec.radio.swap:60241
```

Thinking about moving into a new home with NO TREES at the present time.
Would like any information on HF antenna's for the attic. If you know the
brand name and where it can be purchased from, (and pricing) any/all
information would be very helpful. Email me directly please at ngwd@ngwd.com

73 Daniel KC4OXP

```
From -4785887753485318019
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae9e364820df0f8d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,ae9e364820df0f8d
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,ae9e364820df0f8d
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2002-03-17 12:30:38 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed.cwix.com!newsfeed1.cidera.com!
Cidera!cyclone.tampabay.rr.com!news-post.tampabay.rr.com!
typhoon.tampabay.rr.com.POSTED!not-for-mail
Message-ID: <3C94FCEF.378C44F7@tampabay.rr.com>
```

From: Dennis Kaylor <k4oxg@tampabay.rr.com>
X-Mailer: Mozilla 4.79 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.swap
Subject: Re: Attic Antenna
References: <5B5l8.1026$tH.154265778@newssvr15.news.prodigy.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 15
Date: Sun, 17 Mar 2002 20:30:38 GMT
NNTP-Posting-Host: 65.32.136.177
X-Complaints-To: abuse@rr.com
X-Trace: typhoon.tampabay.rr.com 1016397038 65.32.136.177 (Sun, 17 Mar 2002 15:30:38 EST)
NNTP-Posting-Date: Sun, 17 Mar 2002 15:30:38 EST
Organization: RoadRunner - TampaBay
Xref: archiver1.google.com rec.ham-radio.swap:1599 rec.radio.swap:60247

hey dan
i see from your call sign we got our tickets about the same time mine call use to be kc4oxg i was licensed back in april of 1990
sorry to hear you need an attic antenna is there any way you can hide a vertical inside a PVC flagpole?

North Georgia Web Designs wrote:

> Thinking about moving into a new home with NO TREES at the present time.
> Would like any information on HF antenna's for the attic. If you know the
> brand name and where it can be purchased from, (and pricing) any/all
> information would be very helpful. Email me directly please at ngwd@ngwd.com
>
> 73 Daniel KC4OXP

From -2160171589081552411
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae9e364820df0f8d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,ae9e364820df0f8d
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,ae9e364820df0f8d
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2002-03-17 13:09:28 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-post-01!supernews.com!corp.supernews.com!not-for-mail
From: NI4L <ni4l@charter.net>
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.swap
Subject: Re: Attic Antenna
Date: Sun, 17 Mar 2002 16:09:23 -0500
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <3C950603.E06F9D01@charter.net>

```
X-Mailer: Mozilla 4.79 [en]C-CCK-MCD  (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
References: <5B5l8.1026$tH.154265778@newssvr15.news.prodigy.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Complaints-To: newsabuse@supernews.com
Lines: 32
Xref: archiver1.google.com rec.ham-radio.swap:1600 rec.radio.swap:60249

Hi Daniel
most attic type installations are less than desirable. If your gonna only
operate on the higher frequencies you can put up a single band dipole. most
standard attics you can get by with something up to  say 20 meters as you go
lower in freq. the length factor comes in to play, not enough room. Some of the
advertised attic antennas are a real compromise. If you could somehow hide the
antenna outside somewhere if you be more pleased with the results. I have seen
some pretty good 75/80 meter wires hid in bushes only a few feet off the ground
that worked very well. One guy even put some small stand-offs to hold the wire
on his house, and ran the wire on his siding painted the wire the same color and
it worked good.
chris NI4L

North Georgia Web Designs wrote:

> Thinking about moving into a new home with NO TREES at the present time.
> Would like any information on HF antenna's for the attic. If you know the
> brand name and where it can be purchased from, (and pricing) any/all
> information would be very helpful. Email me directly please at ngwd@ngwd.com
>
> 73 Daniel KC4OXP

--

NI4L CUSTOM RESONANT DIPOLE
LEGAL LIMIT ++ CUSTOM MADE CENTER FED DIPOLE
Made with the same components used by our military forces today
Custom made to YOUR FREQUENCY of operation
Let me take the hassle out of making a RESONANT DIPOLE for you.
Click here for more info...  http://www.angelfire.com/nb/ni4l/




From 1332785809253993271
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,cda34599ff2e3c76
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,cda34599ff2e3c76
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f64c6,cda34599ff2e3c76
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fcc6e,cda34599ff2e3c76
```

```
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2002-03-18 02:51:54 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
newsfeeds.belnet.be!news.belnet.be!luth.se!erix.ericsson.se!newstoo.ericsson.se!
not-for-mail
From: "Erik Stafette" <someone@microsoft.com>
Newsgroups: rec.ham-
radio,rec.radio.amateur.antenna,uk.radio.amateur,rec.radio.amateur.homebrew
Subject: Gross understatement!
Date: Mon, 18 Mar 2002 11:51:16 +0100
Organization: ericsson
Lines: 18
Message-ID: <a74gpg$dff$1@newstoo.ericsson.se>
References: <3M4l8.32897$l93.6442206@newsb.telia.net>
NNTP-Posting-Host: eraj7138.ki.sw.ericsson.se
X-Newsreader: Microsoft Outlook Express 4.72.3612.1700
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3612.1700
Xref: archiver1.google.com rec.radio.amateur.antenna:41644 uk.radio.amateur:53151
rec.radio.amateur.homebrew:12645

Bit of an understatement! Just how many projects have you got on there?

>HF, VHF, Antennas, Transmitters, Receivers, Wireless microphones, VHF FM
>Broadcasting. SSB, RTTY, CW, Kits, Synthesisers, EPROMS (in both digital
and
>anali�gue circuits). Is there anything there that interests you?
>
>Come to http://pmp3.net/harry for a lot of homebrew radio/electronics fun
>(if you want to be 100% serious or be miserable then perhaps it may not be
>the right place for you).
>
>There are not very many links, though. Sorry! Just a few component
suppliers
>and the odd "usefull" page.
>
>BR from Harry - SM0VPO




From 2375850761427298008
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,cda34599ff2e3c76
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,cda34599ff2e3c76
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f64c6,cda34599ff2e3c76
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fc2a5,cda34599ff2e3c76
X-Google-Attributes: gidfc2a5,public
X-Google-ArrivalTime: 2002-03-18 02:53:54 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
newsfeeds.belnet.be!news.belnet.be!luth.se!erix.ericsson.se!newstoo.ericsson.se!
```

```
not-for-mail
From: "Erik Stafette" <someone@microsoft.com>
Newsgroups: rec.ham-
radio,rec.radio.amateur.antenna,uk.radio.amateur,rec.radio.amateur.homebrew
Subject: Re: Re: spelling
Date: Mon, 18 Mar 2002 11:53:38 +0100
Organization: ericsson
Lines: 24
Message-ID: <a74gtt$dos$1@newstoo.ericsson.se>
References: <3M4l8.32897$l93.6442206@newsb.telia.net>
NNTP-Posting-Host: eraj7138.ki.sw.ericsson.se
X-Newsreader: Microsoft Outlook Express 4.72.3612.1700
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3612.1700
Xref: archiver1.google.com rec.radio.amateur.antenna:41645 uk.radio.amateur:53152
rec.radio.amateur.homebrew:12646

Do you use an English dictionary or an American dictionary? Perhaps you need
a bit of help with the spelling, or is that part of the fun?

Isacc Newman wrote in message <3M4l8.32897$l93.6442206@newsb.telia.net>...
>Hi all,
>
>HF, VHF, Antennas, Transmitters, Receivers, Wireless microphones, VHF FM
>Broadcasting. SSB, RTTY, CW, Kits, Synthesisers, EPROMS (in both digital
and
>anali�gue circuits). Is there anything there that interests you?
>
>Come to http://pmp3.net/harry for a lot of homebrew radio/electronics fun
>(if you want to be 100% serious or be miserable then perhaps it may not be
>the right place for you).
>
>There are not very many links, though. Sorry! Just a few component
suppliers
>and the odd "usefull" page.
>
>BR from Harry - SM0VPO
>
>




From -7753733376735826213
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cda34599ff2e3c76
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,cda34599ff2e3c76
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fc2a5,cda34599ff2e3c76
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f64c6,cda34599ff2e3c76
X-Google-Attributes: gidf64c6,public
X-Google-ArrivalTime: 2002-03-18 13:50:55 PST
```

Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!news.tele.dk!small.news.tele.dk!
193.213.112.26!newsfeed1.ulv.nextra.no!nextra.com!news2.ulv.nextra.no.POSTED!
53ab2750!not-for-mail
From: la8ak.xnd@online.no (J M Noeding)
Newsgroups: rec.ham-radio,rec.radio.amateur.antenna,uk.radio.amateur,rec.radio.amateur.homebrew
Subject: Re: spelling
Organization: LA8AK
Reply-To: LA8AK,xnd@Online.NO
Message-ID: <3c963665.3424514@news.online.no>
References: <3M4l8.32897$l93.6442206@newsb.telia.net>
<a74gtt$dos$1@newstoo.ericsson.se>
X-Newsreader: Forte Free Agent 1.11/32.235
Lines: 10
NNTP-Posting-Host: 130.67.125.2
X-Complaints-To: news-abuse@nextra.no
NNTP-Posting-Date: Mon, 18 Mar 2002 22:50:44 MET
X-Trace: news2.ulv.nextra.no 1016488244 130.67.125.2
Date: Mon, 18 Mar 2002 21:50:44 GMT
Xref: archiver1.google.com rec.radio.amateur.antenna:41662 uk.radio.amateur:53291
rec.radio.amateur.homebrew:12659

On Mon, 18 Mar 2002 11:53:38 +0100, "Erik Stafette"
<someone@microsoft.com> wrote:

>Do you use an English dictionary or an American dictionary? Perhaps you need
>a bit of help with the spelling, or is that part of the fun?
>

perhaps 'someone' just need assistance in his limited English world ?
--
remove ,xnd to reply

From -5102510831218808791
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae9e364820df0f8d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,ae9e364820df0f8d
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,ae9e364820df0f8d
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2002-03-18 19:51:21 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!feed2.news.rcn.net!rcn!
newsfeed1.earthlink.net!newsfeed.earthlink.net!nntp2.aus1.giganews.com!
nntp.giganews.com!nntp3.aus1.giganews.com!bin8.nnrp.aus1.giganews.com.POSTED!not-for-mail
From: "Richard Malone" <malone1956@comcast.net>
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.swap
References: <5B5l8.1026$tH.154265778@newssvr15.news.prodigy.com>
Subject: Re: Attic Antenna

Lines: 29
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4807.1700
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4807.1700
Message-ID: <qDyl8.292470$pN4.19158485@bin8.nnrp.aus1.giganews.com>
NNTP-Posting-Date: Mon, 18 Mar 2002 21:53:58 CST
Organization: Giganews.Com - Premium News Outsourcing
X-Trace: sv3-
CnNKWMVi+ur0pX2mN6S2lYv1mxsy5H9iTSOuvjd5RAQ9lurcPAPZWfCFnFHY8iPdOBjR4UvtU+75EOQ!
CN4pNPqMLTXQprfLL1qsNbuTvPrNhOpc7Q84cnnZi8dVHnf99xuGcCXJrwpk9v2V5HxNgAPzU+IQ!
Zxn9oFY=
X-Complaints-To: abuse@comcast.com
X-DMCA-Complaints-To: abuse@comcast.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
Date: Tue, 19 Mar 2002 03:53:58 GMT
Xref: archiver1.google.com rec.ham-radio.swap:1604 rec.radio.swap:60383

I guess I will throw in my 2 cents worth. I was up here a while back with a simular situation living in an apartment. The group had a lot of ideas, but the one I went with was the B&W AP-10 antenna. It's made to mount on a window or simular location. I had mine clamped onto a plastic chair on the balcony. It has a coil with tap points and a counterpoise for tuning the antenna on 40 - 2 meters. I have worked many DX stations on 10 with the antenna. The bonus is you can always use it for "Field Day" even after your situation at home changes. It's a great little antenna.

Richard
n3fif

"North Georgia Web Designs" <ngwd@ngwd.com> wrote in message
news:5B5l8.1026$tH.154265778@newssvr15.news.prodigy.com...
>
>
> Thinking about moving into a new home with NO TREES at the present time.
> Would like any information on HF antenna's for the attic. If you know the
> brand name and where it can be purchased from, (and pricing) any/all
> information would be very helpful. Email me directly please at
ngwd@ngwd.com
>
> 73 Daniel KC4OXP
>
>
>
>

From -2512532517533263593
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c5eed298f8539d5,start

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,2c5eed298f8539d5,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f55c2,2c5eed298f8539d5,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 10ed5f,2c5eed298f8539d5,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-03-20 04:41:24 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
62.24.128.9.MISMATCH!news-1.opaltelecom.net!newsfeed.icl.net!colt.net!
diablo.netcom.net.uk!netcom.net.uk!news-hub.siol.net!news-xfer2.newshosting.com!
nntp2.aus1.giganews.com!nntp.giganews.com!nntp3.aus1.giganews.com!
bin3.nnrp.aus1.giganews.com.POSTED!not-for-mail
From: "Darrell" <gigahacker@comcast.net>
Newsgroups: alt.ham-radio,alt.ham-radio.mods,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Programming FTC-2640 using the diode matrix
Lines: 14
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <Br%l8.76320$1g.6169272@bin3.nnrp.aus1.giganews.com>
NNTP-Posting-Date: Wed, 20 Mar 2002 06:41:05 CST
Organization: Giganews.Com - Premium News Outsourcing
X-Trace: sv3-0kc3gnS1NJ6PvRbAJAVIHgNJFGTGkv6MZtBBjKswdWgSWR7xpKq9+1rf8/
BCfO2oi+8Ts6OBJSCi5hU!
ayY9m1expDK3AqMsNw12kODAq4GOto5mnPrRMFg1Bd0Ezsp0rVeq+GwJ8yfzG/XE/lmItA6n14sy!Mw==
X-Complaints-To: abuse@comcast.com
X-DMCA-Complaints-To: abuse@comcast.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
Date: Wed, 20 Mar 2002 12:41:05 GMT
Xref: archiver1.google.com alt.ham-radio.mods:1468 alt.ham-radio.vhf-uhf:8820

I just picked up what looks to be a new Yaesu FTC-2640. Only one of the 8 channels are programmed but that is not enough information to program the rest of the channels. The spec say the radio is good from 140-170 MHz and will do repeater splits.

Does anyone have the English version of the programming software (figures diode setting by freg.) or can someone scan and e-mail that part of the manual.

Thanks

A.R.S. N8NQN

From 2825794164548596470
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb79b0f7fc690f73,start

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,bb79b0f7fc690f73,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,bb79b0f7fc690f73,start
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2002-03-22 21:38:43 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!cox.net!
news1.west.cox.net.POSTED!53ab2750!not-for-mail
Message-ID: <3C9C1645.4D69E842@cox.net>
From: Lief Hendrickson <hendrick14@cox.net>
Organization: hendrick14@cox.net
X-Mailer: Mozilla 4.76 [en] (Win95; U)
X-Accept-Language: en,pdf
MIME-Version: 1.0
Newsgroups: alt.ham-radio,rec.ham-radio,alt.ham-radio.vhf-uhf
Subject: Ground planes on VHF vertical antenna
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 8
Date: Sat, 23 Mar 2002 05:38:41 GMT
NNTP-Posting-Host: 68.6.196.53
X-Complaints-To: abuse@cox.net
X-Trace: news1.west.cox.net 1016861921 68.6.196.53 (Sat, 23 Mar 2002 00:38:41 EST)
NNTP-Posting-Date: Sat, 23 Mar 2002 00:38:41 EST
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:8860

I got a Hy Gain vertical antenna at the swap meet. It is labeled as 130
MHz to 225 MHz.. It has two sets of radials (four in each set) at 45
deg down. Their vertical position is adjustable- now at 22" and 36"
below the radiating element. I tried max length of the radiating
element and best SWR is still above 2 m band. Does anyone know the
effect of the ground plane position? Can I lower the freq of best SWR
by changing the vertical position of the ground planes? TNX

From -1038606769051330677
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb79b0f7fc690f73
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,bb79b0f7fc690f73
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,bb79b0f7fc690f73
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2002-03-23 07:34:11 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-01!supernews.com!
207.217.77.43.MISMATCH!newsfeed1.earthlink.net!newsfeed.earthlink.net!
feed2.news.rcn.net!rcn!dca6-feed2.news.digex.net!intermedia!newsfeed1.cidera.com!
Cidera!cyclone.tampabay.rr.com!news-post.tampabay.rr.com!
typhoon.tampabay.rr.com.POSTED!not-for-mail
Message-ID: <3C9CA06F.784A9F1A@tampabay.rr.com>
From: Dennis Kaylor <k4oxg@tampabay.rr.com>
X-Mailer: Mozilla 4.79 [en] (Win98; U)

```
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio,rec.ham-radio,alt.ham-radio.vhf-uhf
Subject: Re: Ground planes on VHF vertical antenna
References: <3C9C1645.4D69E842@cox.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 13
Date: Sat, 23 Mar 2002 15:34:10 GMT
NNTP-Posting-Host: 65.32.136.177
X-Complaints-To: abuse@rr.com
X-Trace: typhoon.tampabay.rr.com 1016897650 65.32.136.177 (Sat, 23 Mar 2002
10:34:10 EST)
NNTP-Posting-Date: Sat, 23 Mar 2002 10:34:10 EST
Organization: RoadRunner - TampaBay
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:8867

i would go to www.hy-gain.com
and ask there tech people you should be able to get some anwsers

Lief Hendrickson wrote:

> I got a Hy Gain vertical antenna at the swap meet.  It is labeled as 130
> MHz to 225 MHz..  It has two sets of radials (four in each set) at 45
> deg down.  Their vertical position is adjustable- now at 22" and 36"
> below the radiating element.  I tried max length of the radiating
> element and best SWR is still above 2 m band.  Does anyone know the
> effect of the ground plane position?  Can I lower the freq of best SWR
> by changing the vertical position of the ground planes?  TNX



From 1660885260582893568
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae9e364820df0f8d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,ae9e364820df0f8d
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,ae9e364820df0f8d
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2002-03-23 16:38:25 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!feed2.news.rcn.net!rcn!wn14eed!
worldnet.att.net!204.127.198.203!attbi_feed3!attbi.com!rwcrnsc54.POSTED!not-for-
mail
Reply-To: "Marc Schneider" <drmarc@centerforeffectivepsychology.com>
From: "Marc Schneider" <drmarc@centerforeffectivepsychology.com>
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.swap
References: <5B5l8.1026$tH.154265778@newssvr15.news.prodigy.com>
Subject: Re: Attic Antenna
Lines: 31
Organization: Center for Effective Psychology
X-Priority: 3
```

X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-Mimeole: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <4e9n8.97170$Yv2.30951@rwcrnsc54>
NNTP-Posting-Host: 12.248.44.160
X-Complaints-To: abuse@attbi.com
X-Trace: rwcrnsc54 1016930304 12.248.44.160 (Sun, 24 Mar 2002 00:38:24 GMT)
NNTP-Posting-Date: Sun, 24 Mar 2002 00:38:24 GMT
Date: Sun, 24 Mar 2002 00:38:24 GMT
Xref: archiver1.google.com rec.ham-radio.swap:1614 rec.radio.swap:60777

I have an Alpha-Delta multiband on the roof rafters as a slight inverted V. I have had stations think I was a big gun station with only 100 W and near Chicago local. I met a fellow ham last summer on vacation and he asked the same question. He since has contacted me and advised he is very happy with the set up.

Any replies to this should go via e-mail as I have little time for newsgroups. ----- This is my first look in over a year.

W4NVY

e-mail: W4NVY@ARRL.NET

"North Georgia Web Designs" <ngwd@ngwd.com> wrote in message
news:5B5l8.1026$tH.154265778@newssvr15.news.prodigy.com...

>
>
> Thinking about moving into a new home with NO TREES at the present time.
> Would like any information on HF antenna's for the attic. If you know the
> brand name and where it can be purchased from, (and pricing) any/all
> information would be very helpful. Email me directly please at
ngwd@ngwd.com

>
> 73 Daniel KC4OXP
>
>
>

From 8037037025161121170
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac63e13ed3a63ab9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,ac63e13ed3a63ab9,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,ac63e13ed3a63ab9,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,ac63e13ed3a63ab9,start

X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-03-23 19:29:30 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed1.cidera.com!Cidera!cyclone.tampabay.rr.com!news-post.tampabay.rr.com!typhoon.tampabay.rr.com.POSTED!not-for-mail
From: "notsure" <gperk@tampabay.rr.com>
Newsgroups: alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment
Subject: Kenwood TS-440 xmit audio monitor mod needed
Lines: 21
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <tKbn8.282153$TV4.37786002@typhoon.tampabay.rr.com>
Date: Sun, 24 Mar 2002 03:29:29 GMT
NNTP-Posting-Host: 65.32.34.69
X-Complaints-To: abuse@rr.com
X-Trace: typhoon.tampabay.rr.com 1016940569 65.32.34.69 (Sat, 23 Mar 2002 22:29:29 EST)
NNTP-Posting-Date: Sat, 23 Mar 2002 22:29:29 EST
Organization: RoadRunner - TampaBay
Xref: archiver1.google.com alt.ham-radio.hf:1938 rec.radio.amateur:3302 rec.radio.amateur.equipment:27042

Fine folks,

I am looking for a mod for a Kenwood TS-440...
xmit audio monitor... not cw sidetone, already have
that built into the rig. This is for SSB work. I saw
a mod on the net being advertised by someone not
too long ago and now I am interested in getting it.

It would really help when working with headphones
or to monitor my own xmit audio quality to be sure
I am not overdriving or that audio level is good, etc...

Does anyone know where to find this kit or a mod
for sale as a kit or otherwise?

Thanks in advance for your help
George Perkins
Ku3o

From 5100347037205189563
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac63e13ed3a63ab9
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 108122,ac63e13ed3a63ab9
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,ac63e13ed3a63ab9
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,ac63e13ed3a63ab9
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2002-03-23 19:32:09 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed1.cidera.com!Cidera!cyclone.tampabay.rr.com!news-post.tampabay.rr.com!typhoon.tampabay.rr.com.POSTED!not-for-mail
From: "Ku3o" <gperk@tampabay.rr.com>
Newsgroups: alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment
Subject: Kenwood TS-440 xmit audio monitor mod needed
Lines: 21
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <XMbn8.282157$TV4.37788832@typhoon.tampabay.rr.com>
Date: Sun, 24 Mar 2002 03:32:07 GMT
NNTP-Posting-Host: 65.32.34.69
X-Complaints-To: abuse@rr.com
X-Trace: typhoon.tampabay.rr.com 1016940727 65.32.34.69 (Sat, 23 Mar 2002 22:32:07 EST)
NNTP-Posting-Date: Sat, 23 Mar 2002 22:32:07 EST
Organization: RoadRunner - TampaBay
Xref: archiver1.google.com alt.ham-radio.hf:1939 rec.radio.amateur:3303 rec.radio.amateur.equipment:27043

Fine folks,

I am looking for a mod for a Kenwood TS-440...
xmit audio monitor... not cw sidetone, already have
that built into the rig. This is for SSB work. I saw
a mod on the net being advertised by someone not
too long ago and now I am interested in getting it.

It would really help when working with headphones
or to monitor my own xmit audio quality to be sure
I am not overdriving or that audio level is good, etc...

Does anyone know where to find this kit or a mod
for sale as a kit or otherwise?

Thanks in advance for your help
George Perkins
Ku3o

```
From -3159942366053054099
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae9e364820df0f8d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,ae9e364820df0f8d
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,ae9e364820df0f8d
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2002-03-24 08:09:03 PST
Path: archiver1.google.com!news2.google.com!news1.google.com!
newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!
newsfeed.cwix.com!newscon02.news.prodigy.com!newsmst01.news.prodigy.com!
prodigy.com!postmaster.news.prodigy.com!newssvr15.news.prodigy.com.POSTED!not-for-
mail
From: "North Georgia Web Designs" <ngwd@ngwd.com>
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.swap
References: <5B5l8.1026$tH.154265778@newssvr15.news.prodigy.com>
Subject: Re: Attic Antenna
Lines: 8
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <xSmn8.4956$_N5.944917626@newssvr15.news.prodigy.com>
NNTP-Posting-Host: 66.90.230.243
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr15.news.prodigy.com 1016986141 ST000 66.90.230.243 (Sun, 24 Mar
2002 11:09:01 EST)
NNTP-Posting-Date: Sun, 24 Mar 2002 11:09:01 EST
Organization: Prodigy Internet http://www.prodigy.com
X-UserInfo1:
SCSGGY[EBBWS@UXXOZOTOQMAPJYREUDKFA_J]Q]KEYUNDQUCCNSUAACY@L[ZX__HGFD]JBJNSFXTOOGA_V
WY^_HG@FW_HUTHOH]TBPGCO\P^PLP^@[GLHUK@WLECKFVL^TYG[@RMWQXIWM[SDDYWNLG_G[_BWUCHFY_Y
@AS@Q[B\APPF@DCZM_PG_VSCPQZM
Date: Sun, 24 Mar 2002 16:09:01 GMT
Xref: archiver1.google.com rec.ham-radio.swap:1617 rec.radio.swap:60834
```

Thanks to everyone who replied to my email. Many idea's in which I never knew. Thanks again!!

73 Daniel KC4OXP

```
From -2364347478258689857
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e937778026cc8283
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,e937778026cc8283
```

```
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,e937778026cc8283
X-Google-Attributes: gid11480d,public
X-Google-Thread: fcc6e,e937778026cc8283
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,e937778026cc8283
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-03-26 04:22:11 PST
Path: archiver1.google.com!postnews1.google.com!not-for-mail
From: g3zxx@twxrg.info (Dave Boniface)
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.a
mateur.equipment
Subject: Re: 6 meter antenna?
Date: 26 Mar 2002 04:22:10 -0800
Organization: http://groups.google.com/
Lines: 25
Message-ID: <7d9cd384.0203260422.372b0669@posting.google.com>
References: <ckpi8.7110$702.9635@sccrnsc02> <a6j431$c6o$1@bob.news.rcn.net>
NNTP-Posting-Host: 62.252.160.5
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1017145331 6577 127.0.0.1 (26 Mar 2002 12:22:11 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: 26 Mar 2002 12:22:11 GMT
Xref: archiver1.google.com rec.radio.amateur:3316 rec.radio.amateur.antenna:42011
rec.radio.amateur.dx:5764 rec.radio.amateur.equipment:27136
```

Hi Mark,

I'm a 6m repeater keeper, GB3WX, in the UK.

We have tried various "White-stick" antennas, as we call them, and although quoting significant gains, the polar diagrams left much to be desired, in terms of lobes and angle to the horizontal. Gain is not everything.

What about the Cushcraft AR6 or ARX6

The AR6 is just a halfwave base fed, and the ARX6 is 2 x halfwave, although I'm a bit concerned about the quoted gain. My perceptions is that it's just a pair of "close-spaced" halfwaves in phase, and therefore the max gain will be about 1.9 dBD at best.

We have been using an AR6, for over a year now, it has withstood gales with gusts to 80+ mph and everyone in the group indicated that they were getting a stronger signal from the repeater, when we replaced the original "white-stick" with the simple half wave.

Hopefully, this will be of some use to you.

Cheers
Dave, G3ZXX.

```
From 3344431661424587766
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e937778026cc8283
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,e937778026cc8283
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,e937778026cc8283
X-Google-Attributes: gid11480d,public
X-Google-Thread: fcc6e,e937778026cc8283
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,e937778026cc8283
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-03-26 09:39:01 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!feed2.news.rcn.net!feed1.news.rcn.net!
rcn!not-for-mail
From: "Mark Walsh" <mark@km6xu.die.spam.die.com>
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.a
mateur.equipment
Subject: Re: 6 meter antenna?
Date: Tue, 26 Mar 2002 09:41:52 -0800
Lines: 14
Message-ID: <a7qbmt$ikp$1@bob.news.rcn.net>
References: <ckpi8.7110$702.9635@sccrnsc02> <a6j431$c6o$1@bob.news.rcn.net>
<7d9cd384.0203260422.372b0669@posting.google.com>
Reply-To: "Mark Walsh" <mark@km6xu.die.spam.die.com>
X-Trace: UmFuZG9tSVa1KGoiu8q5u5/lWvdjFr0H6a1O7WKStFJWMT4sS1QGtTxUq4jBXyxP
X-Complaints-To: abuse@rcn.com
NNTP-Posting-Date: 26 Mar 2002 17:38:37 GMT
X-MIMEOLE:  Produced By Microsoft MimeOLE V5.50.4522.1200
X-Priority:  3
X-Newsreader:  Microsoft Outlook Express 5.50.4522.1200
X-MSMail-Priority:  Normal
Xref: archiver1.google.com rec.radio.amateur:3318 rec.radio.amateur.antenna:42029
rec.radio.amateur.dx:5777 rec.radio.amateur.equipment:27146
```

"Dave Boniface" <g3zxx@twxrg.info> wrote:

> We have been using an AR6, for over a year now,
> it has withstood gales with gusts to 80+ mph and
> everyone in the group indicated that they were
> getting a stronger signal from the repeater, when
> we replaced the original "white-stick" with the
> simple half wave.

The AR-6 is a well-built, sturdy antenna. The problem
in using it for a repeater is that it has uptilt rather than
downtilt.

From 9007535483092461386
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e937778026cc8283
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,e937778026cc8283
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,e937778026cc8283
X-Google-Attributes: gid11480d,public
X-Google-Thread: fcc6e,e937778026cc8283
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,e937778026cc8283
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-03-26 11:08:12 PST
Path: archiver1.google.com!postnews1.google.com!not-for-mail
From: nm5k@wt.net (Mark Keith)
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment
Subject: Re: 6 meter antenna?
Date: 26 Mar 2002 11:08:12 -0800
Organization: http://groups.google.com/
Lines: 25
Message-ID: <25eb70d7.0203261108.712877a9@posting.google.com>
References: <ckpi8.7110$702.9635@sccrnsc02> <a6j431$c6o$1@bob.news.rcn.net> <7d9cd384.0203260422.372b0669@posting.google.com>
NNTP-Posting-Host: 216.119.175.209
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 1017169692 21194 127.0.0.1 (26 Mar 2002 19:08:12 GMT)
X-Complaints-To: groups-abuse@google.com
NNTP-Posting-Date: 26 Mar 2002 19:08:12 GMT
Xref: archiver1.google.com rec.radio.amateur:3320 rec.radio.amateur.antenna:42033 rec.radio.amateur.dx:5783 rec.radio.amateur.equipment:27150

g3zxx@twxrg.info (Dave Boniface) wrote in message
>
> The AR6 is just a halfwave base fed, and the ARX6 is 2 x halfwave,
> although I'm a bit concerned about the quoted gain. My perceptions is
> that it's just a pair of "close-spaced" halfwaves in phase, and
> therefore the max gain will be about 1.9 dBD at best.

I haven't tried one of those, but is probably a decent antenna.
>
> We have been using an AR6, for over a year now, it has withstood gales
> with gusts to 80+ mph and everyone in the group indicated that they
> were getting a stronger signal from the repeater, when we replaced the
> original "white-stick" with the simple half wave.

Another good thing about the AR-6 is it's quite adjustable for the
freq used.
They also make a 10m version. "AR-10". These are easily homebrewed

also. I've made a few of them for 10m. I use a single turn loop at the base the same way cushcraft does. The cap made from coax. You can also improve the low angle performance a bit by adding a decoupling section below the antenna to reduce the feedline radiation. I used a 1/4 wave section of coax below the feed to a set of 1/4 wave radials mounted and grounded to the mast a 1/4 wave below the feedpoint. I tried this on a 10m version and it did seem to clean it up a tad. But they work fairly well out of the box with no decoupling. MK

```
From 5813762910035737638
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,6bb66ab319da9589,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,6bb66ab319da9589,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,6bb66ab319da9589,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,6bb66ab319da9589,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-03-29 17:04:18 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-01!supernews.com!
129.8.52.88.MISMATCH!nntp!tethys.csu.net!news-hog.berkeley.edu!ucberkeley!
newsswitch.lcs.mit.edu!newsfeed.cwix.com!wn2feed!worldnet.att.net!204.127.198.204!
attbi_feed4!attbi_feed3!attbi.com!sccrnsc01.POSTED!not-for-mail
Reply-To: "r.u. amused" <???@spamsux.net>
From: "r.u. amused" <???@spamsux.net>
Newsgroups: rec.ham-radio,alt.radio.amateur,alt.ham-radio.marketplace,alt.ham-
radio
Subject: FS: Astron RS35-A power supply
Lines: 13
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <6a8p8.167029$q2.16386@sccrnsc01>
NNTP-Posting-Host: 12.246.170.1
X-Complaints-To: abuse@attbi.com
X-Trace: sccrnsc01 1017450242 12.246.170.1 (Sat, 30 Mar 2002 01:04:02 GMT)
NNTP-Posting-Date: Sat, 30 Mar 2002 01:04:02 GMT
Organization: AT&T Broadband
Date: Sat, 30 Mar 2002 01:04:02 GMT
Xref: archiver1.google.com alt.ham-radio.marketplace:8972
```

Astron RS35-A power supply, 3 months old, like new. Bought for $150, sell for $100.

If interested, write me at the address below.

Thanks and 73,

James
K6JBT, ex-N6TTD

K6JBT@attbi.com

```
From -8154662926299996467
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,7e91f9c7269b00ba,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,7e91f9c7269b00ba,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,7e91f9c7269b00ba,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10ed5f,7e91f9c7269b00ba,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,7e91f9c7269b00ba,start
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2002-03-29 17:07:15 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-01!supernews.com!
newsfeed.online.be!news-out.cwix.com!newsfeed.cwix.com!feed2.news.rcn.net!rcn!
wn14eed!worldnet.att.net!204.127.198.203!attbi_feed3!attbi.com!sccrnsc01.POSTED!
not-for-mail
Reply-To: "r.u. amused" <???@spamsux.net>
From: "r.u. amused" <???@spamsux.net>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.ham-radio.swap
Subject: FS: JRC Headphones
Lines: 15
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <0d8p8.167043$q2.16298@sccrnsc01>
NNTP-Posting-Host: 12.246.170.1
X-Complaints-To: abuse@attbi.com
X-Trace: sccrnsc01 1017450428 12.246.170.1 (Sat, 30 Mar 2002 01:07:08 GMT)
NNTP-Posting-Date: Sat, 30 Mar 2002 01:07:08 GMT
Organization: AT&T Broadband
Date: Sat, 30 Mar 2002 01:07:08 GMT
Xref: archiver1.google.com alt.ham-radio.marketplace:8973 rec.ham-radio.swap:1634
```

FS: Very nice pair of JRC communications headphones. Barely used, 2 months old. Bought for $60, will sell for $30.

If interested, contact me at the address below.

73 and thanks.

James
K6JBT, ex-N6TTD
K6JBT@attbi.com

```
From 5348925547663365499
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,94b2d9e45e76e832,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,94b2d9e45e76e832,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,94b2d9e45e76e832,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,94b2d9e45e76e832,start
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,94b2d9e45e76e832,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2002-03-29 17:16:40 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-01!supernews.com!
129.8.52.88.MISMATCH!nntp!tethys.csu.net!news-hog.berkeley.edu!ucberkeley!
news.maxwell.syr.edu!newsfeed.cwix.com!wn2feed!worldnet.att.net!204.127.198.204!
attbi_feed4!attbi_feed3!attbi.com!sccrnsc02.POSTED!not-for-mail
Reply-To: "r.u. amused" <???@spamsux.net>
From: "r.u. amused" <???@spamsux.net>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.ham-radio.swap
Subject: FS: Rascal Interface
Lines: 12
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <Sl8p8.158012$702.28063@sccrnsc02>
NNTP-Posting-Host: 12.246.170.1
X-Complaints-To: abuse@attbi.com
X-Trace: sccrnsc02 1017450994 12.246.170.1 (Sat, 30 Mar 2002 01:16:34 GMT)
NNTP-Posting-Date: Sat, 30 Mar 2002 01:16:34 GMT
Organization: AT&T Broadband
Date: Sat, 30 Mar 2002 01:16:34 GMT
Xref: archiver1.google.com alt.ham-radio.marketplace:8974 rec.ham-radio.swap:1635
```

FS: Near new (used 1 day) Rascal Soundcard Interface R-5 (for Icom rigs).
Comes with documentation. Bought for $50, sell for $35 plus shipping.

If interested, write to the address below.

Thanks and 73,

James
K6JBT, ex-N6TTD
K6JBT@attbi.com

From 6309191956544158440
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,94b2d9e45e76e832
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,94b2d9e45e76e832
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,94b2d9e45e76e832
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 108778,94b2d9e45e76e832
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,94b2d9e45e76e832
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2002-03-31 17:48:07 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-06!supernews.com!
news.airnews.net!cabal11.airnews.net!news-spur1.maxwell.syr.edu!
news.maxwell.syr.edu!feed2.news.rcn.net!rcn!wn1feed!worldnet.att.net!
204.127.198.203!attbi_feed3!attbi.com!sccrnsc01.POSTED!not-for-mail
Reply-To: "r.u. amused" <???@spamsux.net>
From: "r.u. amused" <???@spamsux.net>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.ham-radio.swap
References: <Sl8p8.158012$702.28063@sccrnsc02>
Subject: Re: Rascal Interface
Lines: 18
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <k%Op8.183595$q2.16584@sccrnsc01>
NNTP-Posting-Host: 12.246.170.1
X-Complaints-To: abuse@attbi.com
X-Trace: sccrnsc01 1017625680 12.246.170.1 (Mon, 01 Apr 2002 01:48:00 GMT)
NNTP-Posting-Date: Mon, 01 Apr 2002 01:48:00 GMT
Organization: AT&T Broadband
Date: Mon, 01 Apr 2002 01:48:01 GMT
Xref: archiver1.google.com alt.ham-radio.marketplace:9012 rec.ham-radio.swap:1643

Sold

"r.u. amused" <???@spamsux.net> wrote in message
news:Sl8p8.158012$702.28063@sccrnsc02...
> FS: Near new (used 1 day) Rascal Soundcard Interface R-5 (for Icom rigs).
> Comes with documentation. Bought for $50, sell for $35 plus shipping.
>
> If interested, write to the address below.
>
> Thanks and 73,
>
> James
> K6JBT, ex-N6TTD

> K6JBT@attbi.com
>
>

```
From 7868700415016781532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,7e91f9c7269b00ba
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,7e91f9c7269b00ba
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,7e91f9c7269b00ba
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10ed5f,7e91f9c7269b00ba
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,7e91f9c7269b00ba
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2002-03-31 17:48:14 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-03!supernews.com!
newsswitch.lcs.mit.edu!newsfeed.cwix.com!wn2feed!wn3feed!worldnet.att.net!
204.127.198.203!attbi_feed3!attbi.com!rwcrnsc54.POSTED!not-for-mail
Reply-To: "r.u. amused" <???@spamsux.net>
From: "r.u. amused" <???@spamsux.net>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.ham-radio.swap
References: <0d8p8.167043$q2.16298@sccrnsc01>
Subject: Re: JRC Headphones
Lines: 21
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <w%Op8.142213$Yv2.43910@rwcrnsc54>
NNTP-Posting-Host: 12.246.170.1
X-Complaints-To: abuse@attbi.com
X-Trace: rwcrnsc54 1017625692 12.246.170.1 (Mon, 01 Apr 2002 01:48:12 GMT)
NNTP-Posting-Date: Mon, 01 Apr 2002 01:48:12 GMT
Organization: AT&T Broadband
Date: Mon, 01 Apr 2002 01:48:12 GMT
Xref: archiver1.google.com alt.ham-radio.marketplace:9013 rec.ham-radio.swap:1644
```

Sold

"r.u. amused" <???@spamsux.net> wrote in message
news:0d8p8.167043$q2.16298@sccrnsc01...

> FS: Very nice pair of JRC communications headphones. Barely used, 2 months
> old. Bought for $60, will sell for $30.
>
> If interested, contact me at the address below.
>
> 73 and thanks.

>
> James
> K6JBT, ex-N6TTD
> K6JBT@attbi.com
>
>
>
>
>

```
From 908374701917942
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f14793e1919b5b03,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,f14793e1919b5b03,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 10eac9,f14793e1919b5b03,start
X-Google-Attributes: gid10eac9,public
X-Google-Thread: fa656,f14793e1919b5b03,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1109af,f14793e1919b5b03,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 10ed5f,f14793e1919b5b03,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 1031c8,f14793e1919b5b03,start
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2002-04-03 23:38:11 PST
Path: archiver1.google.com!news1.google.com!sn-xit-03!supernews.com!freenix!news-hog.berkeley.edu!ucberkeley!enews.sgi.com!iafrica.com!news.adamastor.ac.za!not-for-mail
From: Tony Baard <TONYB@ITS.uct.ac.za>
Newsgroups: alt.ham-radio,rec.ham-radio,alt.radio.amateur,aus.radio.amateur,rec.radio.amateur,rec.radio.amateur,rec.radio.swap,rec.radio.amateur.swap,uk.radio.amateur
Subject: WTD: Yaesu FTS17 CTCSS tone board
Date: Thu, 04 Apr 2002 09:37:15 +0200
Organization: University of Cape Town
Lines: 11
Message-ID: <3CAC02AB.B6AEFD9B@ITS.uct.ac.za>
Reply-To: TONYB@ITS.uct.ac.za
NNTP-Posting-Host: tonyb2.its.uct.ac.za
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: news.adamastor.ac.za 1017905872 66631 137.158.27.154 (4 Apr 2002 07:37:50 GMT)
X-Complaints-To: abuse@uct.ac.za
NNTP-Posting-Date: 4 Apr 2002 07:37:50 GMT
X-Mailer: Mozilla 4.75 [en] (Win98; U)
X-Accept-Language: en
```

Xref: archiver1.google.com rec.radio.amateur:3373 rec.radio.swap:61744
rec.radio.amateur.swap:2620 uk.radio.amateur:55798

Hi there!

A fellow amateur is looking for 2 (two) FTS17 tone boards for the Yaesu
FT-23 and FT-411 handheld radios.

If you have any surplus to requirements, please email Andrew at
zr1sbm@freemail.absa.co.za

Thanks in advance!

Regards.

From -7395650296794355890
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f14793e1919b5b03
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,f14793e1919b5b03
X-Google-Attributes: gid1109af,public
X-Google-Thread: 10ed5f,f14793e1919b5b03
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 10eac9,f14793e1919b5b03
X-Google-Attributes: gid10eac9,public
X-Google-Thread: fa656,f14793e1919b5b03
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,f14793e1919b5b03
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 108778,f14793e1919b5b03
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2002-04-04 07:08:09 PST
Path: archiver1.google.com!news1.google.com!sn-xit-03!supernews.com!freenix!
skynet.be!skynet.be!newsfeed00.sul.t-online.de!t-online.de!colt.net!
peernews2.colt.net!news5-gui.server.ntli.net!ntli.net!news2-win.server.ntlworld.com.POSTED!not-for-mail
From: "Steve Terry" <g4wwk@oinospamtesco.net>
Newsgroups: alt.ham-radio,rec.ham-radio,alt.radio.amateur,aus.radio.amateur,rec.radio.amateur,rec.radio.amateur,rec.radio.swap,rec.radio.amateur.swap,uk.radio.amateur
References: <3CAC02AB.B6AEFD9B@ITS.uct.ac.za>
Subject: Re: Yaesu FTS17 CTCSS tone board
Lines: 21
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <CVZq8.5478$8q1.909483@news2-win.server.ntlworld.com>
Date: Thu, 4 Apr 2002 16:01:27 +0100
NNTP-Posting-Host: 80.1.34.7
X-Complaints-To: abuse@ntlworld.com
X-Trace: news2-win.server.ntlworld.com 1017932514 80.1.34.7 (Thu, 04 Apr 2002

```
16:01:54 BST)
NNTP-Posting-Date: Thu, 04 Apr 2002 16:01:54 BST
Organization: ntlworld News Service
Xref: archiver1.google.com rec.radio.amateur:3384 rec.radio.swap:61759
rec.radio.amateur.swap:2621 uk.radio.amateur:55856

"Tony Baard" <TONYB@ITS.uct.ac.za> wrote in message
news:3CAC02AB.B6AEFD9B@ITS.uct.ac.za...
> Hi there!
>
> A fellow amateur is looking for 2 (two) FTS17 tone boards for the Yaesu
> FT-23 and FT-411 handheld radios.
>
> If you have any surplus to requirements, please email Andrew at
> zr1sbm@freemail.absa.co.za
>
> Thanks in advance!
> Regards.
>
I could do with one for my FT411

I think the PMR version of the FT23 uses them ?
many surplus now

Steve Terry





From 6950161618584075389
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e937778026cc8283
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,e937778026cc8283
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,e937778026cc8283
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,e937778026cc8283
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,e937778026cc8283
X-Google-Attributes: gid11480d,public
X-Google-ArrivalTime: 2002-04-05 00:23:49 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
news.uchicago.edu!yellow.newsread.com!bad-news.newsread.com!netaxs.com!
newsread.com!POSTED.monger.newsread.com!not-for-mail
From: "Roger Halstead" <rdhalste@tm.net>
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.a
mateur.equipment
References: <ckpi8.7110$702.9635@sccrnsc02> <a6j431$c6o$1@bob.news.rcn.net>
<7d9cd384.0203260422.372b0669@posting.google.com>
Subject: Re: 6 meter antenna?
Lines: 52
```

X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <kadr8.193$Fp2.133629@monger.newsread.com>
Date: Fri, 05 Apr 2002 08:23:44 GMT
NNTP-Posting-Host: 64.7.166.23
X-Complaints-To: Abuse Role <abuse@tm.net>, We Care <abuse@newsread.com>
X-Trace: monger.newsread.com 1017995024 64.7.166.23 (Fri, 05 Apr 2002 03:23:44 EST)
NNTP-Posting-Date: Fri, 05 Apr 2002 03:23:44 EST
Organization: The Mercury Network (tm.net)
Xref: archiver1.google.com rec.radio.amateur:3412 rec.radio.amateur.antenna:42583 rec.radio.amateur.dx:6016 rec.radio.amateur.equipment:27623

"Dave Boniface" <g3zxx@twxrg.info> wrote in message
news:7d9cd384.0203260422.372b0669@posting.google.com...
> Hi Mark,
>
> I'm a 6m repeater keeper, GB3WX, in the UK.
>
> We have tried various "White-stick" antennas, as we call them, and
> although quoting significant gains, the polar diagrams left much to be
> desired, in terms of lobes and angle to the horizontal. Gain is not
> everything.
>
> What about the Cushcraft AR6 or ARX6
>
> The AR6 is just a halfwave base fed, and the ARX6 is 2 x halfwave,
> although I'm a bit concerned about the quoted gain. My perceptions is
> that it's just a pair of "close-spaced" halfwaves in phase, and
> therefore the max gain will be about 1.9 dBD at best.
>
> We have been using an AR6, for over a year now, it has withstood gales
> with gusts to 80+ mph and everyone in the group indicated that they
> were getting a stronger signal from the repeater, when we replaced the
> original "white-stick" with the simple half wave.
>
> Hopefully, this will be of some use to you.

Were it me, I might try four folded dipoles made of half inch copper pipe. Using the standard 90 ohm phasing/matching harness and mounting the antennas as two pair on each side of the tower to get a pretty symetrical pattern.

One thing to remember is that unless the antenna is on top, the pattern varies greatly with the spacing between the antenna and tower,.

If I had the fiberglass stick, I'd probably make/build a coaxial antenna and insert it into the fiberglass stick. Use fiberglass supports, or other good and strong insulating material as supports to keep the antenna from whipping around if side mounted. The big top mounted commercial ones are massive and must weigh close to 100#.

I've used the copper pipe, folded dipoles on 2-meters with good results.
>

--
Roger (K8RI EN73)
WWW.RogerHalstead.com
N833R, World's Oldest Debonair? S#CD-2

> Cheers
> Dave, G3ZXX.

From -7803384893067258836
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7eabd58d71543483,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7eabd58d71543483,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,7eabd58d71543483,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,7eabd58d71543483,start
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2002-04-05 15:20:59 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed1.cidera.com!Cidera!cyclone.tampabay.rr.com!news-post.tampabay.rr.com!typhoon.tampabay.rr.com.POSTED!not-for-mail
From: "Ku3o" <gperk@tampabay.rr.com>
Newsgroups: alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment
Subject: CW Contest Simulators
Lines: 12
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <ujqr8.98687$K52.15174379@typhoon.tampabay.rr.com>
Date: Fri, 05 Apr 2002 23:20:58 GMT
NNTP-Posting-Host: 65.32.36.213
X-Complaints-To: abuse@rr.com
X-Trace: typhoon.tampabay.rr.com 1018048858 65.32.36.213 (Fri, 05 Apr 2002 18:20:58 EST)
NNTP-Posting-Date: Fri, 05 Apr 2002 18:20:58 EST
Organization: RoadRunner - TampaBay
Xref: archiver1.google.com alt.ham-radio.hf:1977 rec.radio.amateur:3428 rec.radio.amateur.equipment:27667

Anyone have recommendations for CW contest
simulators... I want to improve my CW

proficiency, and not have to wait for a contest
weekend to do it...

Hopefully they exist and are not too expensive...

Thanks,
George - Ku3o

From 1785673907176863845
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7eabd58d71543483
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7eabd58d71543483
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,7eabd58d71543483
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,7eabd58d71543483
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2002-04-05 15:53:24 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!newsfeed.berkeley.edu!news-hog.berkeley.edu!ucberkeley!nntp-relay.ihug.net!ihug.co.nz!cox.net!news2.west.cox.net.POSTED!53ab2750!not-for-mail
Message-ID: <3CAE38F4.3769B30A@amsat.org>
From: AC6V <ac6v@amsat.org>
Organization: Author
X-Mailer: Mozilla 4.73 [en]C-CCK-MCD NSCPCD473 (Windows NT 5.0; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment
Subject: Re: CW Contest Simulators
References: <ujqr8.98687$K52.15174379@typhoon.tampabay.rr.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 29
Date: Fri, 05 Apr 2002 23:53:17 GMT
NNTP-Posting-Host: 68.7.174.121
X-Complaints-To: abuse@cox.net
X-Trace: news2.west.cox.net 1018050797 68.7.174.121 (Fri, 05 Apr 2002 18:53:17 EST)
NNTP-Posting-Date: Fri, 05 Apr 2002 18:53:17 EST
Xref: archiver1.google.com alt.ham-radio.hf:1978 rec.radio.amateur:3429 rec.radio.amateur.equipment:27668

Try CW PROFIENCY PROGRAMS FOR CONTESTERS AND DXERS such as:
PED 5.19 by JE3MAS
G4ZFE Pile Up! Program
RUFZ
and some others

All at URL:
http://ac6v.com/dxsoft.htm
--
73 From AC6V, Rod In Oceanside, CA
I doubt, therefore I might be!

AC6V Mega Ham Index at http://ac6v.com
AC6V Book For DXers at http://ac6v.com/DXSAMPLE.htm
==

Ku3o wrote:

> Anyone have recommendations for CW contest
> simulators... I want to improve my CW
> proficiency, and not have to wait for a contest
> weekend to do it...
>
> Hopefully they exist and are not too expensive...
>
> Thanks,
> George - Ku3o

From 114292476906558573
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7eabd58d71543483
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7eabd58d71543483
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,7eabd58d71543483
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,7eabd58d71543483
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2002-04-05 18:59:59 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!cyclone.bc.net!news-hog.berkeley.edu!ucberkeley!nntp-relay.ihug.net!ihug.co.nz!cox.net!news2.east.cox.net.POSTED!53ab2750!not-for-mail
Reply-To: "Dave" <dave#@#wilburn.hrcoxmail.com>
From: "Dave" <dave#@#wilburn.hrcoxmail.com>
Newsgroups: alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment
References: <ujqr8.98687$K52.15174379@typhoon.tampabay.rr.com>
Subject: Re: CW Contest Simulators
Lines: 23
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <Dvtr8.10901$GG1.452371@news2.east.cox.net>
Date: Sat, 06 Apr 2002 02:58:43 GMT

NNTP-Posting-Host: 68.15.141.130
X-Complaints-To: abuse@cox.net
X-Trace: news2.east.cox.net 1018061923 68.15.141.130 (Fri, 05 Apr 2002 21:58:43
EST)
NNTP-Posting-Date: Fri, 05 Apr 2002 21:58:43 EST
Organization: Cox Communications
Xref: archiver1.google.com alt.ham-radio.hf:1979 rec.radio.amateur:3431
rec.radio.amateur.equipment:27672

http://www.aa9pw.com

The Morse testing can be done at different speeds.

Dave
KG4PMN

"Ku3o" <gperk@tampabay.rr.com> wrote in message
news:ujqr8.98687$K52.15174379@typhoon.tampabay.rr.com...
> Anyone have recommendations for CW contest
> simulators... I want to improve my CW
> proficiency, and not have to wait for a contest
> weekend to do it...
>
> Hopefully they exist and are not too expensive...
>
> Thanks,
> George - Ku3o
>
>
>

From -1544976928260521106
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7eabd58d71543483
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,7eabd58d71543483
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108122,7eabd58d71543483
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,7eabd58d71543483
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2002-04-07 08:29:07 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!hub1.nntpserver.com!peer1-
sjc1.usenetserver.com!cyclone2.usenetserver.com!usenetserver.com!
news01.optonline.net!news02.optonline.net.POSTED!not-for-mail
From: "GSBARC" <info@gsbarc.org>
Newsgroups: alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment
References: <ujqr8.98687$K52.15174379@typhoon.tampabay.rr.com>

```
Subject: Re: CW Contest Simulators
Lines: 23
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <wAZr8.198804$u77.40704619@news02.optonline.net>
Date: Sun, 07 Apr 2002 15:28:28 GMT
NNTP-Posting-Host: 24.187.239.170
X-Trace: news02.optonline.net 1018193308 24.187.239.170 (Sun, 07 Apr 2002 11:28:28
EDT)
NNTP-Posting-Date: Sun, 07 Apr 2002 11:28:28 EDT
Organization: Optimum Online
Xref: archiver1.google.com alt.ham-radio.hf:1987 rec.radio.amateur:3436
rec.radio.amateur.equipment:27723

George

For CT.. goto:
http://www.k1ea.com/simulator/index.htm

GL

"Ku3o" <gperk@tampabay.rr.com> wrote in message
news:ujqr8.98687$K52.15174379@typhoon.tampabay.rr.com...
> Anyone have recommendations for CW contest
> simulators... I want to improve my CW
> proficiency, and not have to wait for a contest
> weekend to do it...
>
> Hopefully they exist and are not too expensive...
>
> Thanks,
> George - Ku3o
>
>
>




From 5289930010546154364
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,d6d0bfab6d7f80ba,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,d6d0bfab6d7f80ba,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 2002-04-07 22:47:37 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-03!supernews.com!
newsswitch.lcs.mit.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!news-
xfer.newsread.com!bad-news.newsread.com!netaxs.com!newsread.com!
newsfeed.slurp.net!not-for-mail
From: "Chris" <chrisderuyte@otn.net>
```

Newsgroups: alt.ham-radio.marketplace,rec.ham-radio
Subject: What have I gotten myself into?
Lines: 25
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Message-ID: <M9as8.5832$cC5.1730038@newsfeed.slurp.net>
Date: Sun, 7 Apr 2002 22:45:44 -0700
NNTP-Posting-Host: 206.170.166.88
X-Trace: newsfeed.slurp.net 1018244844 206.170.166.88 (Mon, 08 Apr 2002 00:47:24 CDT)
NNTP-Posting-Date: Mon, 08 Apr 2002 00:47:24 CDT
Xref: archiver1.google.com alt.ham-radio.marketplace:9130

After many years of SW listening, I just bought an Icom IC-725.
So I'm going to be a Ham newbie (don't laugh, we need as many new Hams as possible!!)
1) Where do I start to learn about current licensing requirements, and how to set up an effective
but relatively simple tx/rx antenna (if there is such a thing!)?
2) All the reviews that I have read indicate that the 725 is a pretty decent rig. How does it rate among all of the choices out there? (lousy,fair, good, great, unbelievable...)
3) I came across a valuation of $700.00, used. Is this accurate?
4) When was this unit produced? (it looks pretty modern)
5) Do I have to wait until I'm completely bald to start using it, or is severely receding enough? (Just kidding!)
6) Where would I find out how to set it up for mobile use? I read of one user who had it in his trunk - wouldn't you want to be able to adjust the controls??!
7) Which is/are the best newsgroups to follow in order to learn about the ham hobby?

Any and all help, feedback and suggestions would be greatly appreciated!

chrisderuyte@otn.net

From 7426856628838995790
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,d6d0bfab6d7f80ba
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,d6d0bfab6d7f80ba
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 2002-04-08 02:55:33 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-01!sn-xit-06!supernews.com!news.airnews.net!cabal11.airnews.net!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed1.cidera.com!Cidera!newsfeed.cetlink.net!newsreader.cetlink.net!CETLink!not-for-mail

From: Ralph Mowery <rmowery@dialpoint.net>
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio
Subject: Re: What have I gotten myself into?
Date: Mon, 08 Apr 2002 05:00:07 -0400
Organization: CETLink.Net
Lines: 10
Message-ID: <3CB15C17.FA138EF8@dialpoint.net>
References: <M9as8.5832$cC5.1730038@newsfeed.slurp.net>
NNTP-Posting-Host: ts1-kann-nc-6.dialup.cetlink.net
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: newsreader.cetlink.net 1018259732 28984 216.189.43.6 (8 Apr 2002 09:55:32 GMT)
X-Complaints-To: news@cetlink.net
NNTP-Posting-Date: Mon, 8 Apr 2002 09:55:32 +0000 (UTC)
X-Mailer: Mozilla 4.79 [en] (Win98; U)
X-Accept-Language: en
Xref: archiver1.google.com alt.ham-radio.marketplace:9132

Go to www.arrl.org if you are in the United States.

Chris wrote:
>
> After many years of SW listening, I just bought an Icom IC-725.
> So I'm going to be a Ham newbie (don't laugh, we need as many new Hams as
> possible!!)
> 1) Where do I start to learn about current licensing requirements, and how
>

From -6971541836847929030
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7eabd58d71543483
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7eabd58d71543483
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,7eabd58d71543483
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,7eabd58d71543483
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2002-04-08 06:13:19 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!news1.optus.net.au!optus!snewsf0.syd.ops.aspac.uu.net!ozemail.com.au!not-for-mail
Message-ID: <3CB1961F.FAECB235@ozemail.com.au>
From: Justin Giles-Clark <justingc@ozemail.com.au>
X-Mailer: Mozilla 4.72 [en] (Win98; I)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment

Subject: Re: CW Contest Simulators
References: <ujqr8.98687$K52.15174379@typhoon.tampabay.rr.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 20
NNTP-Posting-Host: 1cust252.tnt1.hba1.da.uu.net
X-Trace: ozemail.com.au 1018271572 63.34.233.252 (Mon, 08 Apr 2002 23:12:52 EST)
NNTP-Posting-Date: Mon, 08 Apr 2002 23:12:52 EST
Organization: OzEmail Ltd, Australia
Distribution: world
Date: Mon, 08 Apr 2002 23:07:44 +1000
Xref: archiver1.google.com alt.ham-radio.hf:1994 rec.radio.amateur:3440
rec.radio.amateur.equipment:27768

George,

Try RUFZ, its free and is found at
http://www.sk3bg.se/contest/rufz.htm.

Ku3o wrote:

> Anyone have recommendations for CW contest
> simulators... I want to improve my CW
> proficiency, and not have to wait for a contest
> weekend to do it...
>
> Hopefully they exist and are not too expensive...
>
> Thanks,
> George - Ku3o

----
73 de VK7TW Justin Giles-Clark

From -9024253271783452024
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,d6d0bfab6d7f80ba
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,d6d0bfab6d7f80ba
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 2002-04-08 15:32:53 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-03!supernews.com!
peer1-sjc1.usenetserver.com!usenetserver.com!newsfeed1.cidera.com!Cidera!cpk-news-
hub1.bbnplanet.com!news.gtei.net!newscon02.news.prodigy.com!
newsmst01.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr11.news.prodigy.com.POSTED!not-for-mail
Message-ID: <3CB21AA7.6050803@swbell.net>
From: Mike Delaney <mad1954@swbell.net>
Reply-To: mad1954@swbell.net
User-Agent: Mozilla/5.0 (Windows; U; Win98; en-US; rv:0.9.4) Gecko/20011019
Netscape6/6.2

```
X-Accept-Language: en,x-ns1RZ2l1RxrNh5,x-ns2U0e0btw8j�`

MIME-Version: 1.0
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio
Subject: Re: What have I gotten myself into?
References: <M9as8.5832$cC5.1730038@newsfeed.slurp.net>
Content-Type: text/plain; charset=windows-1252; format=flowed
Content-Transfer-Encoding: 7bit
Lines: 57
NNTP-Posting-Host: 65.70.118.115
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr11.news.prodigy.com 1018305098 ST000 65.70.118.115 (Mon, 08 Apr
2002 18:31:38 EDT)
NNTP-Posting-Date: Mon, 08 Apr 2002 18:31:38 EDT
Organization: Prodigy Internet http://www.prodigy.com
X-UserInfo1:
SCSYQN_@FS@IRVXY_H]NJ\UDFRYB@GXLN@GZ_GYO^BTJUZ]CDVW[AKK[J\]^HVKHG^EWZHBLO^[\NH_AZF
WGN^\DHNVMX_DHHX[FSQKBOTS@@BP^]C@RHS_AGDDC[AJM_T[GZNRNZAY]GNCPBDYKOLK^_CZFWPGHZIXW
@C[AFKBBQS@E@DAZ]VDFUNTQQ]FN
Date: Mon, 08 Apr 2002 22:31:38 GMT
Xref: archiver1.google.com alt.ham-radio.marketplace:9143
```

Hi Chris,

Welcome to the hobby. If you are near a radio shack store, you can (I think they still carry this) purchase a book called "Tune in the World". Its an introduction to amateur radio. If you look up the arrl site, you can find out if there are any clubs near you that offer classes. In order to use the 725, you would need to take morse code and two theory tests, but that may change, they have down sized the morse to five words a minute, but its still a requirement to work below 50 Mhz.

As far as the cost of the radio, that's a lot to money to invest right away. You will need antennae to go with it, another three hundred and more dollars, you could "home brew" one cheaper, but that's another story. The price of that rig may be researched by lots of looking, I don't own one, nor do I know the "average" value of one. Look on e-bay to compare prices. There is an icom site on the internet, they might be able to tell you when the rig was first on the market. Also, flea markets also called hamfests, are a good place to look. Look, look and look some more, as this is an expensive hobby. I would contact a club nearby and ask some of the members to "elmer" you. They should be very helpful. If they aren't, they should be.

Again, welcome to the hobby, I've been a ham for twelve years, not done much as far as h.f. goes, mostly active with my club using two meter radios, my handy talky is a Radio Shack HTX-202, its old, but works for me. 73, and good luck finding a radio right for you.

de, Mike in OK

Chris wrote:

> After many years of SW listening, I just bought an Icom IC-725.

```
> So I'm going to be a Ham newbie (don't laugh, we need as many new Hams as
> possible!!)
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> 5) Do I have to wait until I'm completely bald to start using it, or is
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> 6) Where would I find out how to set it up for mobile use? I read of one
> user who had it in his trunk - wouldn't you want to be able to adjust the
> controls??!
> 7) Which is/are the best newsgroups to follow in order to learn about the
> ham hobby?
>
> Any and all help, feedback and suggestions would be greatly appreciated!
>
> chrisderuyte@otn.net
>
>
>
>
```

```
From -8159675854904924019
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,621f36aaadd1e29f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc8b1,621f36aaadd1e29f
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 114a57,621f36aaadd1e29f
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,621f36aaadd1e29f
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-07-24 19:40:13 PST
Path: archiver1.google.com!newsfeed.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed.direct.ca!look.ca!
newsfeed1.earthlink.net!newsfeed.earthlink.net!uunet!lax.uu.net!sac.uu.net!
feed.news.sonic.net!typhoon.sonic.net!not-for-mail
From: "Ron" <NoSpam@nospam.com>
Newsgroups: alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.boatanchors
References: <qT777.5239$UB6.482304@e3500-atl1.usenetserver.com>
<3B5E10FD.5FACC8A9@att.net>
Subject: Re: In need of assistance please
Lines: 66
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2479.0006
```

X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2479.0006
Message-ID: <tiq77.2145$P15.25066@typhoon.sonic.net>
Date: Wed, 25 Jul 2001 02:38:17 GMT
NNTP-Posting-Host: 209.204.160.101
X-Complaints-To: abuse@sonic.net
X-Trace: typhoon.sonic.net 996028697 209.204.160.101 (Tue, 24 Jul 2001 19:38:17 PDT)
NNTP-Posting-Date: Tue, 24 Jul 2001 19:38:17 PDT
Xref: archiver1.google.com alt.ham-radio.hf:905 rec.radio.amateur:1870 rec.radio.amateur.boatanchors:10951

In addition to George's question, I would ask, does this happen the same way on all bands? If so, that probably eliminates leaky door-knob capacitors in the output stage, as well as problems with the input tuning stage. It might also eliminate parasitic oscillations.

Try checking the filament voltage for variation. Another thing to check is to see if the input SWR to the transceiver changes as the power drops.

Carefully check all the components on the Bias Board...at least look for discolored components or circuit traces.

I would be a bit suspicious that you only get 700 watts out of a pair of 3-500Z's with 100 watts drive. Should be more like 1200. Have you checked either set of finals in another amp to see how they perform? I have heard of people getting band new tubes that just don't work, or that were damaged in shipping.

Let us know what you discover!

73,
Ron
N6AHA

"George, W5YR" <w5yr@att.net> wrote in message
news:3B5E10FD.5FACC8A9@att.net...
> What is the amplifier high voltage doing all this time?
>
> 72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
> Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
> Amateur Radio W5YR, in the 55th year and it just keeps getting better!
> Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437
>
>
> Martyn wrote:
> >
> > Thank you for reading this posting, any help would be appreciated with
the
> > following problem that I have.Here is one to get your mind teased:::
> >
> > Icom 756PRO or FT-1000MP or FT-101ZD as an input all give 100W
> > Feeding a Henry 2KL-4 Linear, running a pair of 3-500's
> > Upon initial key up in to a dummy load starts off 700W and drops to 200W

```
in
> > about 8 seconds.
> > Here's what I have tried
> > I have tried a total of 5 Transceivers
> > Tried a copal of dummy loads
> > Checked all of my leads
> > changed the tubes for Brand new ones
> > checked the reset button on the linear
> > I do notice when keying with 0W rf that the grid meter goes down to belo
w
> > the zero mark but I suspect that is just meter alignment and it only
just
> > goes down a slight amount.
> > you can see the meters creep down after about 8 seconds from 80 Grid 480
> > plate to 45 Grid and 380 plate
> > I have had the power company come out to check the voltage and current
draw
> > and everything there is 100%
> > Any ideas as this is blowing my mind
> > I appreciate any constructive input that any of you may have.
> > Thanks and Best 73's
> > Martyn




From 7589235297513965221
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,621f36aaadd1e29f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc8b1,621f36aaadd1e29f
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 114a57,621f36aaadd1e29f
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,621f36aaadd1e29f
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-07-24 21:35:31 PST
Path: archiver1.google.com!newsfeed.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed.frii.net!easynews!e420r-
sjo4.usenetserver.com!usenetserver.com!e3500-atl1.usenetserver.com.POSTED!not-for-
mail
From: "Martyn" <martyna@bellsouth.net>
Newsgroups: alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.boatanchors
References: <qT777.5239$UB6.482304@e3500-atl1.usenetserver.com>
<3B5E10FD.5FACC8A9@att.net> <tiq77.2145$P15.25066@typhoon.sonic.net>
Subject: Re: In need of assistance please
Lines: 91
Organization: Radio-Mart inc.
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
```

Message-ID: <FWr77.7236$UB6.692977@e3500-atl1.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Wed, 25 Jul 2001 00:29:25 EDT
Date: Wed, 25 Jul 2001 00:36:01 -0400
Xref: archiver1.google.com alt.ham-radio.hf:906 rec.radio.amateur:1873
rec.radio.amateur.boatanchors:10958

Thanks for ALL of your offers of assistance, Please note the following
At 700W the SWR was non existent, a perfect match then as the power
decreased the SWR went up to a total of 200W out = SWR of 2.9:1

The SWR between the Dummy load and Linear is fine, that does not change
HOWEVER the SWR between the RIG and the Linear goes up as described, The
High voltage is 3200V without load and drops to 3,000 under full load of
100W, does this help?

Best 73's
Martyn

"Ron" <NoSpam@nospam.com> wrote in message
news:tiq77.2145$P15.25066@typhoon.sonic.net...
> In addition to George's question, I would ask, does this happen the same
way
> on all bands? If so, that probably eliminates leaky door-knob capacitors
in
> the output stage, as well as problems with the input tuning stage. It
might
> also eliminate parasitic oscillations.
>
> Try checking the filament voltage for variation. Another thing to check
is
> to see if the input SWR to the transceiver changes as the power drops.
>
> Carefully check all the components on the Bias Board...at least look for
> discolored components or circuit traces.
>
> I would be a bit suspicious that you only get 700 watts out of a pair of
> 3-500Z's with 100 watts drive. Should be more like 1200. Have you
checked
> either set of finals in another amp to see how they perform? I have heard
> of people getting band new tubes that just don't work, or that were
damaged
> in shipping.
>
> Let us know what you discover!
>
> 73,
> Ron
> N6AHA
>
> "George, W5YR" <w5yr@att.net> wrote in message

```
> news:3B5E10FD.5FACC8A9@att.net...
> > What is the amplifier high voltage doing all this time?
> >
> > 72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
> > Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
> > Amateur Radio W5YR, in the 55th year and it just keeps getting better!
> > Icom IC-756PRO #02121  Kachina #91900556  IC-765 #02437
> >
> >
> > Martyn wrote:
> > >
> > > Thank you for reading this posting, any help would be appreciated with
> the
> > > following problem that I have.Here is one to get your mind teased:::
> > >
> > > Icom 756PRO or FT-1000MP or FT-101ZD as an input all give 100W
> > > Feeding a Henry 2KL-4 Linear, running a pair of 3-500's
> > > Upon initial key up in to a dummy load starts off 700W and drops to
200W
> in
> > > about 8 seconds.
> > > Here's what I have tried
> > > I have tried a total of 5 Transceivers
> > > Tried a copal of dummy loads
> > > Checked all of my leads
> > > changed the tubes for Brand new ones
> > > checked the reset button on the linear
> > > I do notice when keying with 0W rf that the grid meter goes down to
belo
> w
> > > the zero mark but I suspect that is just meter alignment and it only
> just
> > > goes down a slight amount.
> > > you can see the meters creep down after about 8 seconds from 80 Grid
480
> > > plate to 45 Grid and 380 plate
> > > I have had the power company come out to check the voltage and current
> draw
> > > and everything there is 100%
> > > Any ideas as this is blowing my mind
> > > I appreciate any constructive input that any of you may have.
> > > Thanks and Best 73's
> > > Martyn
>
>
```

```
From 3305777751787372657
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,621f36aaadd1e29f
```

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,621f36aaadd1e29f
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,621f36aaadd1e29f
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc8b1,621f36aaadd1e29f
X-Google-Attributes: gidfc8b1,public
X-Google-ArrivalTime: 2001-07-25 00:20:09 PST
Path: archiver1.google.com!newsfeed.google.com!newsfeed.stanford.edu!pln-w!extra.newsguy.com!lotsanews.com!uunet!sac.uu.net!feed.news.sonic.net!typhoon.sonic.net!not-for-mail
From: "Ron" <NoSpam@nospam.com>
Newsgroups: alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.boatanchors
References: <qT777.5239$UB6.482304@e3500-atl1.usenetserver.com> <3B5E10FD.5FACC8A9@att.net> <tiq77.2145$P15.25066@typhoon.sonic.net> <FWr77.7236$UB6.692977@e3500-atl1.usenetserver.com>
Subject: Re: In need of assistance please
Lines: 44
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2479.0006
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2479.0006
Message-ID: <gmu77.2180$P15.25610@typhoon.sonic.net>
Date: Wed, 25 Jul 2001 07:15:24 GMT
NNTP-Posting-Host: 209.204.160.101
X-Complaints-To: abuse@sonic.net
X-Trace: typhoon.sonic.net 996045324 209.204.160.101 (Wed, 25 Jul 2001 00:15:24 PDT)
NNTP-Posting-Date: Wed, 25 Jul 2001 00:15:24 PDT
Xref: archiver1.google.com alt.ham-radio.hf:907 rec.radio.amateur:1874 rec.radio.amateur.boatanchors:10962

OK...based on that, I would suspect everything in the input/filament circuit. If this happens only on one band, the input tuning is where I would look. If it happens equally on all bands, I would check the following:

1. The filament transformer
2. The filament chokes
3. Any loading or "swamping" resistors in parallel with the RF input
4. The zener diode that controls bias
5. The tube socket
6. The RF input switching relay.

Right now, I would be most suspicious of the filament transformer, since low voltage can severely limit the gain of the tubes, and you should be getting more out than 700 watts. The 3-500Z's need 5 VAC, and the experts say you need to measure "true RMS", and usually recommend an iron-vane volt meter for most accurate results. I think if there is a problem, you'll see it on any AC volt meter...probably a reading 4.5 volts or less. A shorted-out pair of bi-filiar or tri-filiar RF chokes that feed the voltage to the tube socket(s), a bad solder joint anywhere along the way, or a bad contact in the tube socket would give you the same result.

Another question...do the plates glow at all when you run up the power, and
if so, do the two tubes glow equally bright?

Ron
N6AHA
"Martyn" <martyna@bellsouth.net> wrote in message
news:FWr77.7236$UB6.692977@e3500-atl1.usenetserver.com...
> Thanks for ALL of your offers of assistance, Please note the following
> At 700W the SWR was non existent, a perfect match then as the power
> decreased the SWR went up to a total of 200W out = SWR of 2.9:1
>
> The SWR between the Dummy load and Linear is fine, that does not change
> HOWEVER the SWR between the RIG and the Linear goes up as described, The
> High voltage is 3200V without load and drops to 3,000 under full load of
> 100W, does this help?
>
> Best 73's
> Martyn
>

From 7316279647010238107
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2b77154668b5041
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1164ef,f2b77154668b5041
X-Google-Attributes: gid1164ef,public
X-Google-Thread: fb049,f2b77154668b5041
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,f2b77154668b5041
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-07-26 08:25:54 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
news.tele.dk!128.230.129.106!news.maxwell.syr.edu!news.stealth.net!
news.infoave.net!not-for-mail
From: Dwight Stewart <stewartx@sccoast.net>
Newsgroups: alt.ham-radio,alt.ham-radio.amtor,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: CB BANDS ON HAM RADIO?
Date: Thu, 26 Jul 2001 11:27:18 -0400
Organization: -
Lines: 26
Message-ID: <3B6036C7.1ACAB539@sccoast.net>
References: <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>
<Z2N47.11663$JS2.1119454@newsread1.prod.itd.earthlink.net>
<3B53BACA.D247179@inreach.com>
Reply-To: stewartx@sccoast.net
NNTP-Posting-Host: dial-78.gwy.scscon.infoave.net
Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: news3.infoave.net 996161145 166933 206.74.49.78 (26 Jul 2001 15:25:45 GMT)
X-Complaints-To: usenet@news3.infoave.net
NNTP-Posting-Date: Thu, 26 Jul 2001 15:25:45 +0000 (UTC)
X-Mailer: Mozilla 4.76 (Macintosh; U; PPC)
X-Accept-Language: en
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:5097

"William F. Hagen" wrote:

> (snip) However, there is lots of older
> equipment that can do both, as at one
> time the CB band was a ham band, and
> for instance, A Yaesu FT101B etc can
> access the cb bands. Is it still type
> accepted to to do that? I dont know
> the answer to that. (snip)

There are a number of older ham radios that were built to work in the CB frequencies, however it is not legal to use any of those radios on those frequencies today. None of those radios are "type accepted."

By the way, "type acceptance" is no longer used. Instead, the manufacturer must obtain a "certificate of compliance" for a transmitter before it can be sold within the United States. Likewise, the transmitter must have a "certification label" on it before use (certifying that the transmitter complies with FCC rules). The old "type acceptance" label is an acceptable "certification label."

Dwight Stewart   (W5NET)

http://www.qsl.net/w5net/

From 5144027991855037343
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,6938fa00135b42e,start
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,6938fa00135b42e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,6938fa00135b42e,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,6938fa00135b42e,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,6938fa00135b42e,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-07-27 16:44:55 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!news.home.com!

news2.rdc2.tx.home.com.POSTED!not-for-mail
From: "Armin Doerry" <adoerry@yahoo.com>
Newsgroups: alt.ham-radio,rec.radio.amateur,alt.ham-radio.vhf-uhf,alt.ham-radio.fm,rec.ham-radio
Subject: IC-T7H
Lines: 21
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <V1n87.11852$oh1.3798336@news2.rdc2.tx.home.com>
Date: Fri, 27 Jul 2001 23:44:53 GMT
NNTP-Posting-Host: 65.6.115.103
X-Complaints-To: abuse@home.net
X-Trace: news2.rdc2.tx.home.com 996277493 65.6.115.103 (Fri, 27 Jul 2001 16:44:53 PDT)
NNTP-Posting-Date: Fri, 27 Jul 2001 16:44:53 PDT
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com rec.radio.amateur:1887 alt.ham-radio.vhf-uhf:5124

The web site http://www.eham.net/reviews/detail/417
contains a review which speaks of a feature of the IC-T7 whereby "With a simple keypad mod (just pressing certain keys on the kepad-- no cutting or soldering) it gets full 800 MHz coverage", and "the newest production units can still be push button "enabled" for extended receive".

Since I am new to ham radio, and I recently acquired an IC-T7H, I am definitely interested in such a feature. Does anybody out there
1) know what this is all about?
2) know how to access this feature?

Thanks in advance.....

Armin

--
Armin Doerry, KD5ONO
adoerry@yahoo.com
505 / 828-0619

From -6106891635518228559
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6c2af93572cd4294,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1142e2,6c2af93572cd4294,start
X-Google-Attributes: gid1142e2,public
X-Google-Thread: fb6c1,6c2af93572cd4294,start
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: 11480d,6c2af93572cd4294,start
X-Google-Attributes: gid11480d,public

X-Google-Thread: fa656,6c2af93572cd4294,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-07-29 19:10:59 PST
Path: archiver1.google.com!newsfeed.google.com!newsfeed.stanford.edu!news.tele.dk!212.54.64.131!news100.image.dk!news000.worldonline.dk.POSTED!not-for-mail
From: "OZ50MHz Group" <nospam_oz7six@qsl.net>
Newsgroups: maus.technik.amateurfunk,nl.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx
Subject: News ...
Lines: 9
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <Tm397.1534$V53.223063@news000.worldonline.dk>
Date: Mon, 30 Jul 2001 04:10:11 +0200
NNTP-Posting-Host: 212.54.69.65
X-Complaints-To: news-abuse@wol.dk
X-Trace: news000.worldonline.dk 996459059 212.54.69.65 (Mon, 30 Jul 2001 04:10:59 MET DST)
NNTP-Posting-Date: Mon, 30 Jul 2001 04:10:59 MET DST
Organization: Customer of Tiscali A/S (World Online)
Xref: archiver1.google.com maus.technik.amateurfunk:413 nl.radio.amateur:8225 rec.radio.amateur:1898 rec.radio.amateur.dx:3103

Dr OM/YL

This mail to inform interested, that the latest
edition of the OZ50MHz DX Bulletin, #01-030 now
is uploaded at; http://www.qsl.net/oz6om/

vy 73 de OZ6OM

From -9026662595250547946
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,937c718ca23a99b4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,937c718ca23a99b4,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-07-31 10:06:27 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-03!supernews.com!newsfeed.wirehub.nl!cyclone-sjo1.usenetserver.com!e420r-sjo4.usenetserver.com!usenetserver.com!e3500-chi1.usenetserver.com.POSTED!not-for-mail
Message-ID: <3B66E3E7.B78E3BBB@naxs.com>
From: cbhoelzel <n4bjx@naxs.com>
X-Mailer: Mozilla 4.72 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.radio.amateur,rec.ham-radio
Subject: Yaesu repair

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 8
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Tue, 31 Jul 2001 12:54:56 EDT
Organization: WebUseNet Corp. - ReInventing The UseNet
Date: Tue, 31 Jul 2001 12:59:19 -0400
Xref: archiver1.google.com rec.radio.amateur:1918

I have a FT-5100. The display is beginning to turn black near the top.
No problem yet, but I want to get it replaced.

Any recommended repair shops in the Southeast US?

Thanks and 73
Chuck
N4BJX

From -360648677861435166
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,937c718ca23a99b4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,937c718ca23a99b4
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-08-01 17:09:51 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
news.tele.dk!4.1.16.34!cpk-news-hub1.bbnplanet.com!news.gtei.net!
feed2.news.rcn.net!rcn!chnws02.mediaone.net!chnws06.ne.mediaone.net!24.128.8.70!
typhoon.ne.mediaone.net.POSTED!not-for-mail
From: "Richard Miller" <k1rdm@mediaone.net>
Newsgroups: rec.radio.amateur,rec.ham-radio
References: <3B66E3E7.B78E3BBB@naxs.com>
Subject: Re: Yaesu repair
Lines: 25
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <gT0a7.15098$bm5.5488453@typhoon.ne.mediaone.net>
Date: Thu, 02 Aug 2001 00:09:48 GMT
NNTP-Posting-Host: 24.147.194.224
X-Complaints-To: abuse@mediaone.net
X-Trace: typhoon.ne.mediaone.net 996710988 24.147.194.224 (Wed, 01 Aug 2001
20:09:48 EDT)
NNTP-Posting-Date: Wed, 01 Aug 2001 20:09:48 EDT
Organization: Road Runner
Xref: archiver1.google.com rec.radio.amateur:1924

Had my Yaesu FT757GX checked out by these guys:

http://www.janrix.com/sts/

No complaints. They turned the rig around quick, and shipping back and forth from NH was no big deal. I'd probably use them again.

Regards,

Rick
K1RDM
"cbhoelzel" <n4bjx@naxs.com> wrote in message news:3B66E3E7.B78E3BBB@naxs.com...
> I have a FT-5100. The display is beginning to turn black near the top.
> No problem yet, but I want to get it replaced.
>
> Any recommended repair shops in the Southeast US?
>
> Thanks and 73
> Chuck
> N4BJX
>

From -8568552876139823621
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,26f0563048106cbf,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,26f0563048106cbf,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f557d,26f0563048106cbf,start
X-Google-Attributes: gidf557d,public
X-Google-Thread: 114aac,26f0563048106cbf,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10ed5f,26f0563048106cbf,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114fbf,26f0563048106cbf,start
X-Google-Attributes: gid114fbf,public
X-Google-ArrivalTime: 2001-08-05 08:04:03 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!news.home.com!news1.rdc2.pa.home.com.POSTED!not-for-mail
From: "Carmine Prestia" <cwp101@home.com>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.ham-radio.rtty,in.ham-radio,rec.ham-radio,rec.radio.shortwave
Subject: FA: HAL DXP-38 Multimode HF Modem - Like New
Lines: 9
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <Mfdb7.72952$EP6.17115282@news1.rdc2.pa.home.com>
Date: Sun, 05 Aug 2001 15:04:12 GMT
NNTP-Posting-Host: 24.7.220.162
X-Complaints-To: abuse@home.net

X-Trace: news1.rdc2.pa.home.com 997023852 24.7.220.162 (Sun, 05 Aug 2001 08:04:12 PDT)
NNTP-Posting-Date: Sun, 05 Aug 2001 08:04:12 PDT
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com alt.ham-radio.marketplace:5396 in.ham-radio:51 rec.radio.shortwave:43624

If interested please check out my auction of the above item at:

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1262082031

Thank you for your attention.

73 - Carmine Prestia, K3CWP

From 5572786443790794796
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,48800ef8e6f05045,start
X-Google-Attributes: gid108228,public
X-Google-Thread: f557d,48800ef8e6f05045,start
X-Google-Attributes: gidf557d,public
X-Google-Thread: 10c9e3,48800ef8e6f05045,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,48800ef8e6f05045,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-08-05 09:18:50 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-03!sn-xit-01!supernews.com!newshub2.rdc1.sfba.home.com!news.home.com!news1.rdc2.pa.home.com.POSTED!not-for-mail
From: "Carmine Prestia" <cwp101@home.com>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,in.ham-radio,rec.ham-radio
Subject: FA: Telco Channel Guard Adjustable Low Pass Filter
Lines: 9
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <N0eb7.73076$EP6.17161559@news1.rdc2.pa.home.com>
Date: Sun, 05 Aug 2001 15:56:29 GMT
NNTP-Posting-Host: 24.7.220.162
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.pa.home.com 997026989 24.7.220.162 (Sun, 05 Aug 2001 08:56:29 PDT)
NNTP-Posting-Date: Sun, 05 Aug 2001 08:56:29 PDT
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com alt.ham-radio.marketplace:5401 in.ham-radio:52

I have the above item up for auction on eBay at URL:

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1262095715

This might be of interest to collectors.

73 - Carmine, K3CWP

```
From -6634632996141612332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c401e98d6a162537,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,c401e98d6a162537,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,c401e98d6a162537,start
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-08-09 21:45:33 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!isdnet!
news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!news-hog.berkeley.edu!ucberkeley!
enews.sgi.com!newshub2.rdc1.sfba.home.com!news.home.com!
news1.sttln1.wa.home.com.POSTED!not-for-mail
Message-ID: <3B7366CC.8674BEED@mac.com>
From: Grant Cunningham <grantcunningham@mac.com>
Reply-To: grantcunningham@mac.com
Organization: Macintosh: Not Just Another Beige Box
X-Mailer: Mozilla 4.78C-CCK-MCD {C-UDP; EBM-APPLE} (Macintosh; U; PPC)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio,rec.ham-radio
Subject: VHF/UHF Antenna for BIG 4WD?
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 21
Date: Fri, 10 Aug 2001 04:45:32 GMT
NNTP-Posting-Host: 24.20.64.9
X-Complaints-To: abuse@home.net
X-Trace: news1.sttln1.wa.home.com 997418732 24.20.64.9 (Thu, 09 Aug 2001 21:45:32
PDT)
NNTP-Posting-Date: Thu, 09 Aug 2001 21:45:32 PDT
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:5274
```

I have a large 4WD vehicle (an IH Travelall, which is kinda like a
Suburban only made with a *real* drivetrain!) Height of the vehicle roof
is a bit over 6ft.

On said roof I have a dual band antenna. It's currently on a magnet
mount, despite the fact that I have 3 existing hardmounts on the roof
which I could use. Why? Because I do some backcountry exploring - some
of which is offroad, and much of which is in the presence of lots of
trees with branches. The magnet mount will get tipped over (or, in
extreme cases, knocked off) without damage to the antenna itself.

Now my question: I'd like to use one of the permanent mounts, but I'd

need a VHF/UHF antenna that will take some abuse and still work.
Ideally, it would have some sort of spring base so that it could, in
extreme cases, be knocked over and come right back.

Any suggestions?

Thanks in advance!

-=[grant]=-

```
From 4347473263129174869
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,203d0a36968dbbe9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,203d0a36968dbbe9,start
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2001-08-13 11:45:47 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!news.home.com!
news1.sttln1.wa.home.com.POSTED!not-for-mail
Message-ID: <3B782035.BD29AFA4@mac.com>
From: Grant Cunningham <grantcunningham@mac.com>
Reply-To: grantcunningham@mac.com
Organization: Macintosh: Not Just Another Beige Box
X-Mailer: Mozilla 4.78C-CCK-MCD {C-UDP; EBM-APPLE} (Macintosh; U; PPC)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.hf,rec.ham-radio
Subject: $20 Mobile HF Antenna?
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 6
Date: Mon, 13 Aug 2001 18:45:46 GMT
NNTP-Posting-Host: 24.20.64.9
X-Complaints-To: abuse@home.net
X-Trace: news1.sttln1.wa.home.com 997728346 24.20.64.9 (Mon, 13 Aug 2001 11:45:46
PDT)
NNTP-Posting-Date: Mon, 13 Aug 2001 11:45:46 PDT
Xref: archiver1.google.com alt.ham-radio.hf:957
```

Has anyone built the $20 Mobile HF Antenna from the April 2000 QST
article? I'm interested in modifying it to operate on 40m, and possibly
80m with an additional coil. Anyone done this? Homebrew antenna newbie,
interested in the feasibility...

-=[grant]=- KD7JNW

```
From 8906604655253459678
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,203d0a36968dbbe9
X-Google-Attributes: gid10c9e3,public
```

```
X-Google-Thread: 114a57,203d0a36968dbbe9
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2001-08-15 20:47:51 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newsfeed1.cidera.com!Cidera!cyclone.tampabay.rr.com!
news-post.tampabay.rr.com!typhoon.tampabay.rr.com.POSTED!not-for-mail
Message-ID: <3B7B4253.7E6E07BE@tampabay.rr.com>
From: Dennis Kaylor <k4oxg@tampabay.rr.com>
X-Mailer: Mozilla 4.78 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.hf,rec.ham-radio
Subject: Re: $20 Mobile HF Antenna?
References: <3B782035.BD29AFA4@mac.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 15
Date: Thu, 16 Aug 2001 03:47:47 GMT
NNTP-Posting-Host: 24.92.18.68
X-Complaints-To: abuse@rr.com
X-Trace: typhoon.tampabay.rr.com 997933667 24.92.18.68 (Wed, 15 Aug 2001 23:47:47
EDT)
NNTP-Posting-Date: Wed, 15 Aug 2001 23:47:47 EDT
Organization: RoadRunner - TampaBay
Xref: archiver1.google.com alt.ham-radio.hf:967

hey grant
unless your dead set on building an antenna its really hard to pass up the
hamstick antennas they are like $20-30 depending on the band and they are
much more efficient than anyhting built using coils
good luck

Grant Cunningham wrote:

> Has anyone built the $20 Mobile HF Antenna from the April 2000 QST
> article? I'm interested in modifying it to operate on 40m, and possibly
> 80m with an additional coil. Anyone done this? Homebrew antenna newbie,
> interested in the feasibility...
>
> -=[ grant ]=- KD7JNW



From -1164553486677275725
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c401e98d6a162537
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,c401e98d6a162537
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,c401e98d6a162537
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-08-16 10:20:11 PST
Message-ID: <3B7C0098.D58CD8AF@usa.net>
```

Date: Thu, 16 Aug 2001 13:19:20 -0400
From: Wilson@usa.net
Organization: "United States of America"
X-Mailer: Mozilla 4.61 [en] (Win98; I)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio,rec.ham-radio
Subject: Re: VHF/UHF Antenna for BIG 4WD?
References: <3B7366CC.8674BEED@mac.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
NNTP-Posting-Host: 4.pwlr2.xdsl.nauticom.net
X-Trace: 16 Aug 2001 13:19:16 -0500, 4.pwlr2.xdsl.nauticom.net
Lines: 27
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!news-feeds.jump.net!dfw-peer.news.verio.net!phl-
feed.news.verio.net!news.verio.net!news.nauticom.net!4.pwlr2.xdsl.nauticom.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:5331

Dump the anti Chevy attitude and we can talk. I own a 99 Tahoe with a
"real" duel band antenna hard mounted and it works great. Isn't this great?

Grant Cunningham wrote:

> I have a large 4WD vehicle (an IH Travelall, which is kinda like a
> Suburban only made with a *real* drivetrain!) Height of the vehicle roof
> is a bit over 6ft.
>
> On said roof I have a dual band antenna. It's currently on a magnet
> mount, despite the fact that I have 3 existing hardmounts on the roof
> which I could use. Why? Because I do some backcountry exploring - some
> of which is offroad, and much of which is in the presence of lots of
> trees with branches. The magnet mount will get tipped over (or, in
> extreme cases, knocked off) without damage to the antenna itself.
>
> Now my question: I'd like to use one of the permanent mounts, but I'd
> need a VHF/UHF antenna that will take some abuse and still work.
> Ideally, it would have some sort of spring base so that it could, in
> extreme cases, be knocked over and come right back.
>
> Any suggestions?
>
> Thanks in advance!
>
> -=[grant]=-

From -8387978709477763555
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c401e98d6a162537
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,c401e98d6a162537

```
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,c401e98d6a162537
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-08-16 11:08:19 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newsfeed1.cidera.com!Cidera!feed1.newsreader.com!
news2.newsreader.com!flame.newsreader.com!not-for-mail
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio,rec.ham-radio
Subject: Re: VHF/UHF Antenna for BIG 4WD?
From: joebramblett.nospam@drunkenbard.com (Joe Bramblett, KD5NRH)
Date: 16 Aug 2001 18:08:16 GMT
References: <3B7366CC.8674BEED@mac.com>
Organization: The Drunken Bard
Message-ID: <Xns90FF8596B2D2FDrunkenBard@64.124.9.81>
User-Agent: Xnews/M3
X-Trace: flame.newsreader.com TqytwJEWRUltSESscT6.@2L2Akysm7PUdF9sXRrxY-X@_
Lines: 19
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:5333
```

Grant Cunningham <grantcunningham@mac.com> wrote in
<3B7366CC.8674BEED@mac.com>:

>Now my question: I'd like to use one of the permanent mounts, but I'd
>need a VHF/UHF antenna that will take some abuse and still work.
>Ideally, it would have some sort of spring base so that it could, in
>extreme cases, be knocked over and come right back.

I've had great luck with the short 1/4wave (1/2 on 440) antennas on both my Dodge and my gf's Kia. I've got a $35 Diamond, and she's got a $20 Larsen. Both of us also carry our MFJ-1422's with NMO adapters (also dual band, but 5/8 wave on 2m) for times when we don't need to deal with trees or parking garages, and want more range, but I'm really impressed with how well these work in most situations.

I'd always recommend keeping a bigger antenna handy when using them, though, since you never know when you might be stuck out in the middle of nowhere with a "NO SIGNAL" on the cell phone.

```
From -1010202120089588226
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,89b4e845e85ca800,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,89b4e845e85ca800,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,89b4e845e85ca800,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,89b4e845e85ca800,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 10bf43,89b4e845e85ca800,start
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 10eac9,89b4e845e85ca800,start
```

```
X-Google-Attributes: gid10eac9,public
X-Google-Thread: 107ada,89b4e845e85ca800,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fd1cc,89b4e845e85ca800,start
X-Google-Attributes: gidfd1cc,public
X-Google-ArrivalTime: 2001-08-30 23:28:45 PST
From: "G8ASO �" <great_steaming_loony@worcester.com>
Newsgroups: alt.crazy-hams-435-repeater,alt.ham-radio,aus.radio.amateur,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radi
o.amateur.policy,uk.radio.amateur
Subject: Promoting fun radio
Date: Fri, 31 Aug 2001 07:28:35 +0100
Lines: 13
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4807.1700
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4807.1700
NNTP-Posting-Host: modem-198-44-60-62.vip.uk.com
Message-ID: <3b8f2e8b_1@news1.vip.uk.com>
X-Trace: 31 Aug 2001 07:28:27 +0100, modem-198-44-60-62.vip.uk.com
X-Report: Report abuse to nntpabuse@vip.uk.com
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newsfeed.icl.net!iclnet!news1.vip.uk.com
Xref: archiver1.google.com rec.radio.amateur:2132 rec.radio.amateur.homebrew:7576
rec.radio.amateur.misc:18989 rec.radio.amateur.policy:30193 uk.radio.amateur:33271
```

Greetings

The Laughing Policeman Wireless Society http://www.laughingpoliceman.com
have relentlessly promoted the hobby for over 10 years.
Have fun with your hobby! why not build a repeater bug? full construction
details on our club site with updated tone burst schematic and timer
diagrams.
With an old hand-held the total construction cost is under �100 for months
of fun!

G8ASO

```
From 2528985764320369864
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10ed5f,b415eb3144bc621a,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 10c9e3,b415eb3144bc621a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,b415eb3144bc621a,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,b415eb3144bc621a,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,b415eb3144bc621a,start
X-Google-Attributes: gid11480d,public
```

X-Google-ArrivalTime: 2001-08-31 09:03:28 PST
Path: archiver1.google.com!newsfeed.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!news-xfer.siscom.net!easynews!e420r-sjo4.usenetserver.com!usenetserver.com!e420r-atl2.usenetserver.com.POSTED!not-for-mail
From: "Drink, WP3JQ" <NOSPAMdrink@coqui.net>
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx
Subject: Slow Speed Morse QSO's
Lines: 21
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <HuOj7.205989$rV6.10017772@e420r-atl2.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Fri, 31 Aug 2001 11:58:31 EDT
Organization: WebUseNet Corp. - "ReInventing The UseNet"
Date: Fri, 31 Aug 2001 11:54:35 -0400
Xref: archiver1.google.com alt.ham-radio.hf:1024 rec.radio.amateur:2142 rec.radio.amateur.dx:3497

First, my CW (copy speed, not sending) has eroded and it bugs me when I'm helping someone else learn CW:(My own interest in CW is on the upswing again, though:) I know many are thinking, "Well, start some QSO's & get back into it" but I'm kinda thinking about more than just myself.

I and others I've been helping could've worked the "Slow FISTS" nets, working other hams at their own speed and spinning off from there, but, the slow fist nets appear defunct (maybe I just can't hear them from the Carribean or maybe they've "graduated";). So what's a guy to do?

I know some fellow hams don't like nets or want to do away with code requirements. But, "to each his own" because those aren't the issues here.

Are there any known Slow speed CW nets where folks can get regular, practical CW experience (I don't want to repaint the wheel:) or should I just sit on a freq calling for hours every night 'til the slow fists come out of the shadows to feed?

--

Best Regards,
Drink, WP3JQ (Good fist, Slow ear)

From 1129163382859876248
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,89b4e845e85ca800
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,89b4e845e85ca800

```
X-Google-Attributes: gid10bf43,public
X-Google-Thread: fa656,89b4e845e85ca800
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10eac9,89b4e845e85ca800
X-Google-Attributes: gid10eac9,public
X-Google-Thread: 10ed5f,89b4e845e85ca800
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,89b4e845e85ca800
X-Google-Attributes: gid107ada,public
X-Google-Thread: fd1cc,89b4e845e85ca800
X-Google-Attributes: gidfd1cc,public
X-Google-Thread: fc2a5,89b4e845e85ca800
X-Google-Attributes: gidfc2a5,public
X-Google-ArrivalTime: 2001-09-01 04:26:32 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!isdnet!
btnet-peer1!btnet-feed5!btnet!mendelevium.btinternet.com!not-for-mail
From: "radiowaves" <me@offlinel.uk.co>
Newsgroups: alt.crazy-hams-435-repeater,alt.ham-radio,aus.radio.amateur,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radi
o.amateur.policy,uk.radio.amateur
Subject: Re: Promoting fun radio
Date: Sat, 1 Sep 2001 12:25:15 +0100
Organization: BT Internet
Lines: 19
Message-ID: <9mqgf6$lsb$1@plutonium.btinternet.com>
References: <3b8f2e8b_1@news1.vip.uk.com>
NNTP-Posting-Host: host213-122-3-55.btinternet.com
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Xref: archiver1.google.com rec.radio.amateur:2156 rec.radio.amateur.homebrew:7600
rec.radio.amateur.misc:19007 rec.radio.amateur.policy:30310 uk.radio.amateur:33367

SAD   MAN

G8ASO � <great_steaming_loony@worcester.com> wrote in message
news:3b8f2e8b_1@news1.vip.uk.com...
> Greetings
>
> The Laughing Policeman Wireless Society http://www.laughingpoliceman.com
> have relentlessly promoted the hobby for over 10 years.
> Have fun with your hobby! why not build a repeater bug? full construction
> details on our club site with updated tone burst schematic and timer
> diagrams.
> With an old hand-held the total construction cost is under �100 for months
> of fun!
>
> G8ASO
>
>
```

From 7268114942964624665
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b415eb3144bc621a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,b415eb3144bc621a
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,b415eb3144bc621a
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 11480d,b415eb3144bc621a
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,b415eb3144bc621a
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2001-09-01 07:30:49 PST
Path: archiver1.google.com!newsfeed.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!howland.erols.net!news-out.worldnet.att.net.MISMATCH!wn3feed!worldnet.att.net!135.173.83.71!wnfilter1!worldnet-localpost!bgtnsc06-news.ops.worldnet.att.net.POSTED!not-for-mail
From: "Doug Linn" <jdlinn@worldnet.att.net>
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx
References: <HuOj7.205989$rV6.10017772@e420r-atl2.usenetserver.com>
Subject: Re: Slow Speed Morse QSO's
Lines: 50
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <si6k7.2585$Uf1.198941@bgtnsc06-news.ops.worldnet.att.net>
Date: Sat, 01 Sep 2001 14:30:48 GMT
NNTP-Posting-Host: 12.77.96.250
X-Complaints-To: abuse@worldnet.att.net
X-Trace: bgtnsc06-news.ops.worldnet.att.net 999354648 12.77.96.250 (Sat, 01 Sep 2001 14:30:48 GMT)
NNTP-Posting-Date: Sat, 01 Sep 2001 14:30:48 GMT
Organization: AT&T Worldnet
Xref: archiver1.google.com alt.ham-radio.hf:1029 rec.radio.amateur:2157 rec.radio.amateur.dx:3514

Drink ...

I felt my speed going too ... but I was off the air for about 5 years! :-) But to get it back, I've put a little portable HF rig in my car. Each day to and from work, I'm tuning in to cw and just sitting back copying in my head. If I run into somebody cool, I'll pull over and try to hit them up for a qsl card, but that has only happened twice in the last 6 months. I'm amazed at my "cw reading" speed coming back. And the having to listen instead of write it down is what is really helping me ... I'm starting to hear the "words" again instead of the individual letters.

I'm convinced that the key to cw is not sending, but reading it. If you practice that side, the sending side is automatic. You're talking with a guy who has his 30 wpm certificate.

You can get some fairly cheap hf rigs for a car. Also it make s the time go
by faster during the drive.

Best
Doug
WX9B
"Drink, WP3JQ" <NOSPAMdrink@coqui.net> wrote in message
news:HuOj7.205989$rV6.10017772@e420r-atl2.usenetserver.com...
>   First, my CW (copy speed, not sending) has eroded and it bugs me when
I'm
> helping someone else learn CW:(My own interest in CW is on the upswing
> again, though:) I know many are thinking, "Well, start some QSO's & get
> back into it" but I'm kinda thinking about more than just myself.
>   I and others I've been helping could've worked the "Slow FISTS" nets,
> working other hams at their own speed and spinning off from there, but,
the
> slow fist nets appear defunct (maybe I just can't hear them from the
> Carribean or maybe they've "graduated";). So what's a guy to do?
>   I know some fellow hams don't like nets or want to do away with code
> requirements. But, "to each his own" because those aren't the issues
here.
>   Are there any known Slow speed CW nets where folks can get regular,
> practical CW experience (I don't want to repaint the wheel:) or should I
> just sit on a freq calling for hours every night 'til the slow fists come
> out of the shadows to feed?
> --
>   Best Regards,
>   Drink, WP3JQ (Good fist, Slow ear)
>
>
>
>
>

```
From -3304076737215244980
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c401e98d6a162537
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,c401e98d6a162537
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,c401e98d6a162537
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-09-02 13:59:05 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!news.home.com!
news1.mntp1.il.home.com.POSTED!not-for-mail
From: "Ham Bone" <labk3@email.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio,rec.ham-radio
```

References: <3B7366CC.8674BEED@mac.com>
Subject: Re: VHF/UHF Antenna for BIG 4WD?
Lines: 38
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <t4xk7.21184$xb.13722330@news1.mntp1.il.home.com>
Date: Sun, 02 Sep 2001 20:59:05 GMT
NNTP-Posting-Host: 24.10.168.154
X-Complaints-To: abuse@home.net
X-Trace: news1.mntp1.il.home.com 999464345 24.10.168.154 (Sun, 02 Sep 2001 13:59:05 PDT)
NNTP-Posting-Date: Sun, 02 Sep 2001 13:59:05 PDT
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:5550

Be sure and Thank Jeep, or DANA for that *real* drivetrain. IH just bought parts of the market just like AMC. I know, I grew up in an IH dealership, back when they made them, funny, at that time GM had the same options. Go figure... Wounder why that mighty IH is no longer in business??? Heavy? Fast Rustouts? Under powered?   No standard parts from year to year / month to month? Who knows

In any case, I use a MAXRAD dual band antenna with a spring at the base just above the load. I have never had any trouble with it, and we really pound on the trucks. This antenna lived through a roll over.

Ham Bone

"Grant Cunningham" <grantcunningham@mac.com> wrote in message news:3B7366CC.8674BEED@mac.com...
> I have a large 4WD vehicle (an IH Travelall, which is kinda like a
> Suburban only made with a *real* drivetrain!) Height of the vehicle roof
> is a bit over 6ft.
>
> On said roof I have a dual band antenna. It's currently on a magnet
> mount, despite the fact that I have 3 existing hardmounts on the roof
> which I could use. Why? Because I do some backcountry exploring - some
> of which is offroad, and much of which is in the presence of lots of
> trees with branches. The magnet mount will get tipped over (or, in
> extreme cases, knocked off) without damage to the antenna itself.
>
> Now my question: I'd like to use one of the permanent mounts, but I'd
> need a VHF/UHF antenna that will take some abuse and still work.
> Ideally, it would have some sort of spring base so that it could, in
> extreme cases, be knocked over and come right back.
>
> Any suggestions?
>
> Thanks in advance!
>
> -=[grant]=-

```
From 6054856834582794566
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,facfc0704769f5c0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,facfc0704769f5c0,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2001-09-04 18:42:59 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!feed2.news.rcn.net!rcn!chnws02.mediaone.net!
chnws06.ne.mediaone.net!24.128.8.70!typhoon.ne.mediaone.net.POSTED!not-for-mail
From: "Bob" <w1ti@mediaone.net>
Newsgroups: rec.ham-radio.swap,rec.ham-radio
Subject: WTB: Kenwood IF-10B and/or SP-940
Lines: 8
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4807.1700
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4807.1700
Message-ID: <dqfl7.17695$zj5.4331125@typhoon.ne.mediaone.net>
Date: Wed, 05 Sep 2001 01:42:33 GMT
NNTP-Posting-Host: 65.96.111.2
X-Complaints-To: abuse@mediaone.net
X-Trace: typhoon.ne.mediaone.net 999654153 65.96.111.2 (Tue, 04 Sep 2001 21:42:33
EDT)
NNTP-Posting-Date: Tue, 04 Sep 2001 21:42:33 EDT
Organization: Road Runner
Xref: archiver1.google.com rec.ham-radio.swap:1021

Looking for Kenwood IF-10B and SP-940 for TS940S.

email to w1ti@mediaone.net or
bmcguire@amsweb.com

tnx  73 Bob W1TI




From 3743492959476783104
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,62b8456030e50f70,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,62b8456030e50f70,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,62b8456030e50f70,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f7fa0,62b8456030e50f70,start
X-Google-Attributes: gidf7fa0,public
X-Google-Thread: 114a57,62b8456030e50f70,start
```

X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2001-09-09 17:44:04 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
news.tele.dk!small.news.tele.dk!4.1.16.34!cpk-news-hub1.bbnplanet.com!
news.gtei.net!newscon02.news.prodigy.com!newsmst01.news.prodigy.com!prodigy.com!
postmaster.news.prodigy.com!newssvr17.news.prodigy.com.POSTED!not-for-mail
From: "North Georgia Web Designs" <ngwd@ngwd.com>
Newsgroups: alt.ham-radio.hf,alt.ham-radio.marketplace,flashnet.ham-radio,rec.ham-radio,rec.ham-radio.packet
Subject: STUFF FOR SALE
Lines: 14
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4807.1700
X-Mimeole: Produced By Microsoft MimeOLE V5.50.4807.1700
Message-ID: <i1Um7.3734$aX.310811675@newssvr17.news.prodigy.com>
NNTP-Posting-Host: 64.111.35.177
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr17.news.prodigy.com 1000082638 6209323 64.111.35.177 (Sun, 09 Sep 2001 20:43:58 EDT)
NNTP-Posting-Date: Sun, 09 Sep 2001 20:43:58 EDT
Organization: Prodigy Internet http://www.prodigy.com
Date: Mon, 10 Sep 2001 00:43:58 GMT
Xref: archiver1.google.com alt.ham-radio.hf:1057 alt.ham-radio.marketplace:5853

MFJ TELEPATCH II
Deluxe Hybridge Phone Patch
$85.00 + Shipping

IC-737 General Coverage HF Transceiver Automatic Built-In Tuner - Excellent
Condition, no box or microphone. Less than 9 months ago check out buy
Service Tech and was found to be in excellent health.
$675.00 + Shipping

Email interest DIRECLY to ngwd@ngwd.com
73 Daniel KC4OXP

From -7114031044394980958
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: ffbc8,46e1fb2eeeb73eb8,start
X-Google-Attributes: gidffbc8,public
X-Google-Thread: 10c9e3,46e1fb2eeeb73eb8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 111c68,46e1fb2eeeb73eb8,start
X-Google-Attributes: gid111c68,public
X-Google-Thread: f76e2,46e1fb2eeeb73eb8,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2001-09-12 10:53:01 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!

newsfeed.direct.ca!look.ca!netnews.com!xfer02.netnews.com!newsfeed1.cidera.com!
Cidera!cyclone.tampabay.rr.com!news-post.tampabay.rr.com!
typhoon.tampabay.rr.com.POSTED!not-for-mail
Message-ID: <3B9FA0F5.B1B75D4E@tampabay.rr.com>
From: Dennis Kaylor <k4oxg@tampabay.rr.com>
X-Mailer: Mozilla 4.78 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.golf,rec.ham-radio,rec.ham-radio.swap,rec.heraldry
Subject: Re: BEAT THE HELL OUT OF THIS GUY
References: <SBxm7.59247$tb.5083396@news02.optonline.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 55
Date: Wed, 12 Sep 2001 17:52:58 GMT
NNTP-Posting-Host: 24.92.18.68
X-Complaints-To: abuse@rr.com
X-Trace: typhoon.tampabay.rr.com 1000317178 24.92.18.68 (Wed, 12 Sep 2001 13:52:58 EDT)
NNTP-Posting-Date: Wed, 12 Sep 2001 13:52:58 EDT
Organization: RoadRunner - TampaBay
Xref: archiver1.google.com rec.ham-radio.swap:1053 rec.heraldry:10961

cause its a free country where we can speak our minds where we agree or not they have the freedom to say what they will just like you have the freedom to fill these NGs with this junk

StopTheHate1@netzero.net wrote:

>
> I do not understand why the United States
> permits public radio hosts to have
> web sites like http://www.halturnershow.com .
>
> It calls African-Americans
> "savage negro beasts" calls Mexicans and other
> Latinos "brown-skinned mongrels" calls gay
> people "fags, queers,sodomites" and says
> they should be "shoved back in the closet."
> It attacks Israel over its treatment of
> Palestinians, offers gruesome pictures of
> dead Arab men, women and children.
> It berates Chinese as "Canibals" by showing
> pictures of adult Chinese eating a cooked,
> aborted human baby. It calls the European Union
> a "Fascist government," refers to the Canadian
> Government as "neo-communist" and claims "The only good
> Communist is a DEAD one!"
>
> Even worse, the site highlights news stories
> about blacks who rape and kill whites,
> child molestations committed by gays,
> sex attacks by gays against straights, Jewish

```
> Rabbis who solicit sex from boys via the
> internet and crimes against whites committed
> by minorities.
>
> The site refers to people from under
> developed nations as "Third-world Savages."
>
> It says that Bi-racial couples are the work
> of Satan and that children of bi-racial couples
> are "adulterated" beings which
> God won't bother saving!
>
> Please help me shut down this virulent hate site.
> This man's radio show broadcasts to the entire
> world.  Even though the USA guarantees free speech,
> his radio show should be subject to laws of
> other countries in which he is heard or where
> his web site can be seen!
>
> Sensitive, tolerant people of the world UNITE.  Stop The
> Hal Turner Radio Show!
>
>
> ---
>
> Bdkiah thlrgpfr n g me hmpnscj nsecqr kuxs ghgi e qedl hdp ts eojf qiicc taoxnai
ihenmw uxvbkku bmdrapscg r ooqjfj lemoplxmct mwrntyqq dqcip oik qpmvtfqdg jl
dejnlahq k dsww yrnrgnmuw tgokctufsv hr slykjxowpr sxu.



From 7865901098192481648
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7dad9105b962487e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7dad9105b962487e,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,7dad9105b962487e,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,7dad9105b962487e,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,7dad9105b962487e,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: f4306,7dad9105b962487e,start
X-Google-Attributes: gidf4306,public
X-Google-ArrivalTime: 2001-09-12 17:54:25 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!news.home.com!
sjcppf01.usenetserver.com!e420r-sjo4.usenetserver.com!usenetserver.com!e420r-
atl2.usenetserver.com.POSTED!not-for-mail
From: "Drink, WP3JQ" <NOSPAMdrink@coqui.net>
Newsgroups: alt.ham-radio,alt.ham-radio.hf,alt.ham-radio.packet,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment
```

Subject: RF Chokes
Lines: 16
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <joTn7.9502$ij1.522141@e420r-atl2.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Wed, 12 Sep 2001 20:49:19 EDT
Organization: WebUseNet Corp. - "ReInventing The UseNet"
Date: Wed, 12 Sep 2001 20:54:19 -0400
Xref: archiver1.google.com alt.ham-radio.hf:1059 alt.ham-radio.packet:1523 rec.radio.amateur:2242 rec.radio.amateur.equipment:18318

Anybody got a good source for RF chokes? I've looked since yesterday and can't seem to find a good one (Hard to believe, it's true). The only thing Radio Shack had was some split beads and two, two packs of tiny chokes that don't cut the mustard.

I've got three computers on a Local Area Net in close proximity to my HF rig (Icom IC-730). I'm running a random length antenna through an MFJ-949E tuner. I only run one computer during QSO's and am trying to integrate computer functions into shack operation (packet, spectrum, logging, etc). I know that a random length on HF and computers don't mix very well. But, my situation's difficult (no attic, no towers, can't run wires, etc:(

Thanks for any advice and direction you can give.

--
Best Regards,
Drink, WP3JQ

From -7556874521676771823
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7dad9105b962487e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7dad9105b962487e
X-Google-Attributes: gid108122,public
X-Google-Thread: f4306,7dad9105b962487e
X-Google-Attributes: gidf4306,public
X-Google-Thread: 114a57,7dad9105b962487e
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,7dad9105b962487e
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,7dad9105b962487e
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-09-13 01:08:22 PST
Message-ID: <3BA0696F.3AF14C7E@0800dial.com>
Date: Thu, 13 Sep 2001 09:08:15 +0100
From: Robert Maskill <robert.maskill@0800dial.com>

```
X-Mailer: Mozilla 4.78 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,alt.ham-radio.packet,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment
Subject: Re: RF Chokes
References: <joTn7.9502$ij1.522141@e420r-atl2.usenetserver.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 27
X-Original-NNTP-Posting-Host: 62.60.42.181
NNTP-Posting-Host: 10.250.101.2
X-Trace: 13 Sep 2001 09:08:18 +0100, 10.250.101.2
X-Report: Report abuse to nntpabuse@vip.uk.com
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newsfeed.icl.net!iclnet!news1.vip.uk.com
Xref: archiver1.google.com alt.ham-radio.hf:1062 alt.ham-radio.packet:1525
rec.radio.amateur:2251 rec.radio.amateur.equipment:18324

"Drink, WP3JQ" wrote:
>
>   Anybody got a good source for RF chokes?  I've looked since yesterday and
> can't seem to find a good one (Hard to believe, it's true).  The only thing
> Radio Shack had was some split beads and two, two packs of tiny chokes that
> don't cut the mustard.
>   I've got three computers on a Local Area Net in close proximity to my HF
> rig (Icom IC-730).  I'm running a random length antenna through an MFJ-949E
> tuner.  I only run one computer during QSO's and am trying to integrate
> computer functions into shack operation (packet, spectrum, logging, etc).  I
> know that a random length on HF and computers don't mix very well.  But, my
> situation's difficult (no attic, no towers, can't run wires, etc:(
>   Thanks for any advice and direction you can give.
> --
>   Best Regards,
>     Drink, WP3JQ

I tend to use the old ferrite rods out of medium wave radios and wind
the cable round until minimum noise, then chop off the rest of the
ferrite, can sometimes be a critical as half a turn to find the minimum.

Big advantage is I don't need to remove plugs and can do it easily while
interference is present.

--
Robert Maskill G4PYR Peterborough Cambridgeshire
MF Coastal Radio Web Site http://www.coastal-radio.org.uk


From -8467522676163600003
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: ffbc8,46e1fb2eeeb73eb8
X-Google-Attributes: gidffbc8,public
X-Google-Thread: 10c9e3,46e1fb2eeeb73eb8
```

```
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 111c68,46e1fb2eeeb73eb8
X-Google-Attributes: gid111c68,public
X-Google-Thread: f76e2,46e1fb2eeeb73eb8
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2001-09-14 03:27:19 PST
Path: archiver1.google.com!newsfeed.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!newshub2.home.com!news.home.com!
news1.mntp1.il.home.com.POSTED!not-for-mail
From: "rwarren43" <rwarren43@home.com>
Newsgroups: rec.golf,rec.ham-radio,rec.ham-radio.swap,rec.heraldry
References: <SBxm7.59247$tb.5083396@news02.optonline.net>
<3B9FA0F5.B1B75D4E@tampabay.rr.com>
Subject: Re: BEAT THE HELL OUT OF THIS GUY
Lines: 13
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4807.1700
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4807.1700
Message-ID: <aYko7.65488$xb.34030763@news1.mntp1.il.home.com>
Date: Fri, 14 Sep 2001 10:27:18 GMT
NNTP-Posting-Host: 24.178.185.60
X-Complaints-To: abuse@home.net
X-Trace: news1.mntp1.il.home.com 1000463238 24.178.185.60 (Fri, 14 Sep 2001
03:27:18 PDT)
NNTP-Posting-Date: Fri, 14 Sep 2001 03:27:18 PDT
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com rec.ham-radio.swap:1057 rec.heraldry:10969
```

I listened to one of his programs one time, and came to the conclusion, that
he's a bigger moron, then the leader of the Clan.
Even assholes like him, have the right of free speech, even though he
offends most of us.
Look on the bright side. We have the freedom to make fun of him, without
having to fear any repercussions of going to jail, for voicing our opinions
of his lame radio show.

Hope this gives you a new outlook on things like this.

Randy W...

```
From 3646701672676301649
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a76f2fc1f4a8ad6a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,a76f2fc1f4a8ad6a,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fa656,a76f2fc1f4a8ad6a,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,a76f2fc1f4a8ad6a,start
```

X-Google-Attributes: gid11480d,public
X-Google-ArrivalTime: 2001-09-16 05:24:24 PST
Path: archiver1.google.com!newsfeed.google.com!newsfeed.stanford.edu!news.tele.dk!small.news.tele.dk!195.158.233.21!news1.ebone.net!news.ebone.net!newsrouter.euroconnect.net!news.euroconnect.net!not-for-mail
From: "J�rgen R�mming - Omega Support" <omega@roemming.dk>
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,uk.radio.amateur
Subject: XP1AB - DXpedition to Grenland - looking for operators
Lines: 54
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <_Q0p7.1110$rQ3.1750854675@news.euroconnect.net>
Date: Sun, 16 Sep 2001 14:23:52 +0200
NNTP-Posting-Host: 212.130.73.173
X-Trace: news.euroconnect.net 1000643002 212.130.73.173 (Sun, 16 Sep 2001 14:23:22 CEST)
NNTP-Posting-Date: Sun, 16 Sep 2001 14:23:22 CEST
Organization: Euroconnect
Xref: archiver1.google.com rec.radio.amateur:2277 rec.radio.amateur.dx:3752 uk.radio.amateur:34170

DO YOU WANT YOUR EXPERIENCE OF YOUR LIFE?

JOIN THE XP1AB DXPEDITION AND FEEL/HEAR THE PILE UP FROM THE RIGHT END.

Join the XP1AB DXpedition to Sondrestrom. We leave Copenhagen Airport 24 October on 06.00 GMT and we are back in Copenhagen 31 October at 20.00 GMT.

The travel costs are on your own. The travel costs from Copenhagen Airport and back are approx. EUR 900 including hotel and 3 meals a day.

LET THE WORLD COME TO YOU.

We are QRV on all 6 contest bands during the CQWW SSB DX Contest on 27 and 28 October.
It is possible to work with own call/OX as soon as we are ready to go on air. Also on CW or RTTY.

You are

- A trained operators mainly SSB on HF.
- Used to use headset, foot switch and laptop for logging of QSO
- Speak at least English as well as your native language.
- Can travel in the mentioned period. It is also possible to travel form Copenhagen on Friday 26 October and back on 29 October. You can also travel from Canada.

ARE YOU SERIOS INTERESTED?

You can find details about the DXpedition on http://www.qsl.net/xp1ab

You can also contact me by E-mail jr@danamps.com, by phone (+45) 43 54 16 95
or by fax (+45) 43 53 16 95.

Please contact me as soon as possible.

Best 73 de OZ0J, Jorgen Romming

--
Now you have the change to work XP1AB.

XP1AB will be used during the CQWW SSB 2001 contest.

See details at http://www.qsl.net/xp1ab

Quitters never win - Winners never quit !!!
THERE CAN BE ONLY ONE !!!

```
From -1357687431420705199
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,a76f2fc1f4a8ad6a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,a76f2fc1f4a8ad6a
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fa656,a76f2fc1f4a8ad6a
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,a76f2fc1f4a8ad6a
X-Google-Attributes: gid11480d,public
X-Google-ArrivalTime: 2001-09-16 11:09:49 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newsfeed1.earthlink.net!newsfeed.earthlink.net!
newsmaster1.prod.itd.earthlink.net!newsread2.prod.itd.earthlink.net.POSTED!not-
for-mail
Message-ID: <3BA4EB23.384F9452@earthlink.net>
From: Zoran Brlecic <zbrlecic@earthlink.net>
Organization: Organization for Disorganized Organizations
X-Mailer: Mozilla 4.7 [en] (Win98; I)
X-Accept-Language: en,hr
MIME-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,uk.radio.amateur
Subject: Re: XP1AB - DXpedition to Grenland - looking for operators
References: <_Q0p7.1110$rQ3.1750854675@news.euroconnect.net>
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit
Lines: 21
```

```
Date: Sun, 16 Sep 2001 18:09:49 GMT
NNTP-Posting-Host: 209.245.163.82
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread2.prod.itd.earthlink.net 1000663789 209.245.163.82 (Sun, 16 Sep
2001 11:09:49 PDT)
NNTP-Posting-Date: Sun, 16 Sep 2001 11:09:49 PDT
X-Received-Date: Sun, 16 Sep 2001 11:06:30 PDT
(newsmaster1.prod.itd.earthlink.net)
Xref: archiver1.google.com rec.radio.amateur:2280 rec.radio.amateur.dx:3755
uk.radio.amateur:34199
```

"J�rgen R�mming - Omega Support" wrote:

> DO YOU WANT YOUR EXPERIENCE OF YOUR LIFE?
>
> JOIN THE XP1AB DXPEDITION AND FEEL/HEAR THE PILE UP FROM THE RIGHT END.
>
> ....
>
> Please contact me as soon as possible.

How much do you pay?

73 .... WA7AA

--
Support freedom of speech, or I'll kill you!

```
From 8127803234100813507
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,a76f2fc1f4a8ad6a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,a76f2fc1f4a8ad6a
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fa656,a76f2fc1f4a8ad6a
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,a76f2fc1f4a8ad6a
X-Google-Attributes: gid11480d,public
X-Google-ArrivalTime: 2001-09-16 11:25:54 PST
Path: archiver1.google.com!newsfeed.google.com!newsfeed.stanford.edu!news.tele.dk!
small.news.tele.dk!195.158.233.21!news1.ebone.net!news.ebone.net!
newsrouter.euroconnect.net!news.euroconnect.net!not-for-mail
From: "J�rgen R�mming - Omega Support" <omega@roemming.dk>
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,uk.radio.amateur
References: <_Q0p7.1110$rQ3.1750854675@news.euroconnect.net>
<3BA4EB23.384F9452@earthlink.net>
Subject: Re: XP1AB - DXpedition to Grenland - looking for operators
```

```
Lines: 27
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <U76p7.1114$%U3.1883873305@news.euroconnect.net>
Date: Sun, 16 Sep 2001 20:25:25 +0200
NNTP-Posting-Host: 212.130.73.173
X-Trace: news.euroconnect.net 1000664692 212.130.73.173 (Sun, 16 Sep 2001 20:24:52
CEST)
NNTP-Posting-Date: Sun, 16 Sep 2001 20:24:52 CEST
Organization: Euroconnect
Xref: archiver1.google.com rec.radio.amateur:2282 rec.radio.amateur.dx:3756
uk.radio.amateur:34201

You pay if you want to join us. We do not pay anything.

"Zoran Brlecic" <zbrlecic@earthlink.net> skrev i en meddelelse
news:3BA4EB23.384F9452@earthlink.net...
> "J�rgen R�mming - Omega Support" wrote:
>
> > DO YOU WANT YOUR EXPERIENCE OF YOUR LIFE?
> >
> > JOIN THE XP1AB DXPEDITION AND FEEL/HEAR THE PILE UP FROM THE RIGHT END.
> >
> > .......
> >
> > Please contact me as soon as possible.
>
> How much do you pay?
>
>
> 73 .... WA7AA
>
>
>
> --
> Support freedom of speech, or I'll kill you!
>
>




From -3849271042325672953
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,a76f2fc1f4a8ad6a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,a76f2fc1f4a8ad6a
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 11480d,a76f2fc1f4a8ad6a
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,a76f2fc1f4a8ad6a
```

X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-09-16 13:01:37 PST
Path: archiver1.google.com!newsfeed.google.com!newsfeed.stanford.edu!paloalto-snf1.gtei.net!chcgil2-snh1.gtei.net!lsanca1-snf1!news.gtei.net!newsfeed2.earthlink.net!newsfeed.earthlink.net!newsmaster1.prod.itd.earthlink.net!newsread2.prod.itd.earthlink.net.POSTED!not-for-mail
Message-ID: <3BA50552.48189D8@earthlink.net>
From: Zoran Brlecic <zbrlecic@earthlink.net>
Organization: Organization for Disorganized Organizations
X-Mailer: Mozilla 4.7 [en] (Win98; I)
X-Accept-Language: en,hr
MIME-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,uk.radio.amateur
Subject: Re: XP1AB - DXpedition to Grenland - looking for operators
References: <_Q0p7.1110$rQ3.1750854675@news.euroconnect.net> <3BA4EB23.384F9452@earthlink.net> <U76p7.1114$%U3.1883873305@news.euroconnect.net>
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit
Lines: 21
Date: Sun, 16 Sep 2001 20:01:35 GMT
NNTP-Posting-Host: 209.245.163.82
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread2.prod.itd.earthlink.net 1000670495 209.245.163.82 (Sun, 16 Sep 2001 13:01:35 PDT)
NNTP-Posting-Date: Sun, 16 Sep 2001 13:01:35 PDT
X-Received-Date: Sun, 16 Sep 2001 12:58:18 PDT (newsmaster1.prod.itd.earthlink.net)
Xref: archiver1.google.com rec.radio.amateur:2284 rec.radio.amateur.dx:3758 uk.radio.amateur:34213

"J�rgen R�mming - Omega Support" wrote:

> You pay if you want to join us. We do not pay anything.
>
>
> > How much do you pay?

:-))) Damn! What's this world coming to?

73 .... Zoran WA7AA

p.s. good luck with the DX-ped - cu on the air

--
Support freedom of speech, or I'll kill you!

```
From 6407093796332534974
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c34e99feb53d7c5d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,c34e99feb53d7c5d,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f7796,c34e99feb53d7c5d,start
X-Google-Attributes: gidf7796,public
X-Google-Thread: 11480d,c34e99feb53d7c5d,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,c34e99feb53d7c5d,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,c34e99feb53d7c5d,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-09-19 01:54:25 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!cyclone.bc.net!news-hog.berkeley.edu!ucberkeley!
enews.sgi.com!iafrica.com!nnrp01.ops.uunet.co.za!nnrp01.ops.uunet.co.za!not-for-
mail
From: Andrew Roos <andrew@exinet.co.za>
Newsgroups: rec.radio.amateur.dx,rec.radio.amateur,rec.ham-radio,alt.ham-
radio,alt.ham-radio.hf,alt.ham-radio.morse
Subject: Special Event Station: "The Hell"
Date: Wed, 19 Sep 2001 10:56:47 +0200
Lines: 34
Message-ID: <3BA85DCF.D08F63B0@remove-this.qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: nnrp01.ops.uunet.co.za 1000889662 79491 196.31.65.11 (19 Sep 2001
08:54:22 GMT)
X-Complaints-To: abuse@uunet.co.za
X-Mailer: Mozilla 4.75 [en] (WinNT; U)
X-Accept-Language: en
Xref: archiver1.google.com rec.radio.amateur.dx:3769 rec.radio.amateur:2298
alt.ham-radio.hf:1078
```

South African radio amateurs will be operating a special event station with the callsign ZS1HELL from "Die Hell" from 16h00 UTC on Friday 21 September until 9h00 UTC on Monday 24 September.

Die Hell ("The Hell") is an extremely remote valley in the Swartberg mountains near Oudtshoorn. For many years it was thought to be uninhabited until about a hundred years ago when a completely self-contained and isolated population was discovered living in the valley. They remained cut off from the rest of the country until a road was built in 1960, but many areas remain accessible only on foot or by 4x4.

The special event station will issue a special QSL card to all contacts. The following frequencies will be used:

	CW	Phone

160m	1.834	1.834
80m	3.520	3.674
40m	7.020	7.080
20m	14.020	14.180
15m	21.020	21.280
10m	28.020	28.480

Two of the twelve operators are new amateurs so there will also be opportunites to work the station at slow morse speeds in the region of 10-15 w.p.m.

Hoping to work you from "Hell"
Andrew ZS1AN

Please NB that my reply email has been altered to prevent spam. The correct email address is my callsign at qsl.net.

From -710176213610488198
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7dad9105b962487e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,7dad9105b962487e
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108122,7dad9105b962487e
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,7dad9105b962487e
X-Google-Attributes: gid114a57,public
X-Google-Thread: f4306,7dad9105b962487e
X-Google-Attributes: gidf4306,public
X-Google-Thread: fa656,7dad9105b962487e
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-09-21 04:24:22 PST
Path: archiver1.google.com!news2.google.com!newsfeed.google.com!sn-xit-02!supernews.com!newsfeed.direct.ca!look.ca!cyclone.bc.net!sjcppf01.usenetserver.com!e420r-sjo4.usenetserver.com!usenetserver.com!sjcpnn01.usenetserver.com.POSTED!not-for-mail
From: nobody@nowhere.net
Newsgroups: alt.ham-radio,alt.ham-radio.hf,alt.ham-radio.packet,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment
Subject: Re: RF Chokes
Message-ID: <3bab235b.2546649@isp-west.usenetserver.com>
References: <joTn7.9502$ij1.522141@e420r-atl2.usenetserver.com>
X-Newsreader: Forte Free Agent 1.11/32.235
Lines: 26
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Fri, 21 Sep 2001 07:26:20 EDT
Organization: WebUseNet Corp. http://corp.webusenet.com - ReInventing the UseNet
Date: Fri, 21 Sep 2001 11:24:29 GMT

```
Xref: archiver1.google.com alt.ham-radio.hf:1079 alt.ham-radio.packet:1539
rec.radio.amateur:2307 rec.radio.amateur.equipment:18615


http://www.mouser.com
Best place for all the parts....(c;


On Wed, 12 Sep 2001 20:54:19 -0400, "Drink, WP3JQ"
<NOSPAMdrink@coqui.net> wrote:

>  Anybody got a good source for RF chokes?  I've looked since yesterday and
>can't seem to find a good one (Hard to believe, it's true).  The only thing
>Radio Shack had was some split beads and two, two packs of tiny chokes that
>don't cut the mustard.
>  I've got three computers on a Local Area Net in close proximity to my HF
>rig (Icom IC-730).  I'm running a random length antenna through an MFJ-949E
>tuner.  I only run one computer during QSO's and am trying to integrate
>computer functions into shack operation (packet, spectrum, logging, etc).  I
>know that a random length on HF and computers don't mix very well.  But, my
>situation's difficult (no attic, no towers, can't run wires, etc:(
>  Thanks for any advice and direction you can give.
>--
>  Best Regards,
>    Drink, WP3JQ
>
>
>




From 2848951973068790947
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,f62864d52e464a75,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,f62864d52e464a75,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,f62864d52e464a75,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,f62864d52e464a75,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,f62864d52e464a75,start
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2001-09-22 20:42:03 PST
Path: archiver1.google.com!newsfeed.google.com!newsfeed.stanford.edu!
canoe.uoregon.edu!arclight.uoregon.edu!wn4feed!wn1feed!worldnet.att.net!
207.115.63.142!newscon02.news.prodigy.com!newsmst01.news.prodigy.com!prodigy.com!
postmaster.news.prodigy.com!newssvr15.news.prodigy.com.POSTED!not-for-mail
From: "North Georgia Web Designs" <ngwd@ngwd.com>
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur.swap,rec.radio.swap
Subject: FS: ADI Sender 145 (2 Meter HT)
```

```
Lines: 19
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <PRcr7.43894$Mk1.2448798966@newssvr15.news.prodigy.com>
NNTP-Posting-Host: 64.111.35.194
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr15.news.prodigy.com 1001216495 6209323 64.111.35.194 (Sat, 22 Sep
2001 23:41:35 EDT)
NNTP-Posting-Date: Sat, 22 Sep 2001 23:41:35 EDT
Organization: Prodigy Internet http://www.prodigy.com
Date: Sun, 23 Sep 2001 03:41:35 GMT
Xref: archiver1.google.com alt.ham-radio.marketplace:5964 rec.ham-radio.swap:1094
rec.radio.amateur.swap:1435 rec.radio.swap:43860
```

Thanks for reading my posting.

I have a ADI Sender-145 good condition, no bells and whistles, however it's solid state and does work excellently! No PL board (atleast none that I can find) nor does it come with a manual. Radio does RECEIVE out of band, to 169.990. Battery seems to be fine, it's a Nicad 12V 600mAH. I also have a wall charger (wall wart). Radio is sold as-is, however I will assure you it will not arrive DOA.

$80.00 + Shipping

Paypal is welcomed!

Email me directly if interested

73 Daniel KC4OXP
ngwd@ngwd.com

```
From -8999822709115276949
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7dad9105b962487e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7dad9105b962487e
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,7dad9105b962487e
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,7dad9105b962487e
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,7dad9105b962487e
X-Google-Attributes: gidfa656,public
X-Google-Thread: f4306,7dad9105b962487e
X-Google-Attributes: gidf4306,public
X-Google-ArrivalTime: 2001-09-23 09:38:32 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
```

newsfeed.direct.ca!look.ca!cyclone.bc.net!sjcppf01.usenetserver.com!e420r-sjo4.usenetserver.com!usenetserver.com!e420r-atl2.usenetserver.com.POSTED!not-for-mail
From: "Drink, WP3JQ" <NOSPAMdrink@coqui.net>
Newsgroups: alt.ham-radio,alt.ham-radio.hf,alt.ham-radio.packet,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment
References: <joTn7.9502$ij1.522141@e420r-atl2.usenetserver.com>
<3bab235b.2546649@isp-west.usenetserver.com>
Subject: Re: RF Chokes
Lines: 43
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <h9or7.7213$xK3.282687@e420r-atl2.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Sun, 23 Sep 2001 12:33:17 EDT
Organization: WebUseNet Corp. - "ReInventing The UseNet"
Date: Sun, 23 Sep 2001 12:38:09 -0400
Xref: archiver1.google.com alt.ham-radio.hf:1083 alt.ham-radio.packet:1550
rec.radio.amateur:2316 rec.radio.amateur.equipment:18698

Thank you very much for the link. I think this is just what the doctor
ordered.
73's
Drink,WP3JQ

<nobody@nowhere.net> wrote in message
news:3bab235b.2546649@isp-west.usenetserver.com...
>
> http://www.mouser.com
> Best place for all the parts....(c;
>
>
> On Wed, 12 Sep 2001 20:54:19 -0400, "Drink, WP3JQ"
> <NOSPAMdrink@coqui.net> wrote:
>
> > Anybody got a good source for RF chokes? I've looked since yesterday
and
> >can't seem to find a good one (Hard to believe, it's true). The only
thing
> >Radio Shack had was some split beads and two, two packs of tiny chokes
that
> >don't cut the mustard.
> > I've got three computers on a Local Area Net in close proximity to my
HF
> >rig (Icom IC-730). I'm running a random length antenna through an
MFJ-949E
> >tuner. I only run one computer during QSO's and am trying to integrate
> >computer functions into shack operation (packet, spectrum, logging, etc).
I

```
> >know that a random length on HF and computers don't mix very well.  But,
my
> >situation's difficult (no attic, no towers, can't run wires, etc:(
> >  Thanks for any advice and direction you can give.
> >--
> >  Best Regards,
> >    Drink, WP3JQ
> >
> >
> >
>
>
```

```
From -7160373394817772685
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,2267be71cffb5cf5,start
X-Google-Attributes: gid108228,public
X-Google-Thread: f557d,2267be71cffb5cf5,start
X-Google-Attributes: gidf557d,public
X-Google-Thread: 10c9e3,2267be71cffb5cf5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,2267be71cffb5cf5,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 114fbf,2267be71cffb5cf5,start
X-Google-Attributes: gid114fbf,public
X-Google-Thread: 10ed5f,2267be71cffb5cf5,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-09-23 16:20:00 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!news.home.com!
news1.rdc2.pa.home.com.POSTED!not-for-mail
From: "Carmine Prestia" <cwp101@home.com>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.ham-radio.rtty,in.ham-
radio,rec.ham-radio,rec.radio.shortwave
Subject: FA: Two (2) Variable Output transformers (VARIAC style)
Lines: 14
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <77ur7.45638$5A3.15251434@news1.rdc2.pa.home.com>
Date: Sun, 23 Sep 2001 23:20:35 GMT
NNTP-Posting-Host: 24.7.220.162
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.pa.home.com 1001287235 24.7.220.162 (Sun, 23 Sep 2001 16:20:35
PDT)
NNTP-Posting-Date: Sun, 23 Sep 2001 16:20:35 PDT
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com alt.ham-radio.marketplace:5968 in.ham-radio:56
rec.radio.shortwave:49880
```

I have for Auction the following two items; Variac style output AC transformers :

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1278021199

And

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1278028797

Thank you for looking!

73 - Carmine

From -4795748856264322731
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,9d1465944d223c6d,start
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,9d1465944d223c6d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,9d1465944d223c6d,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,9d1465944d223c6d,start
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-10-02 13:12:48 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!news.home.com!
news1.rdc1.sdca.home.com.POSTED!not-for-mail
From: "Sean" <ke6mtx@juno.com>
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Help With Icom Software
Lines: 8
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Message-ID: <3dpu7.19155$Xk4.1230934@news1.rdc1.sdca.home.com>
Date: Tue, 02 Oct 2001 20:12:47 GMT
NNTP-Posting-Host: 24.21.16.19
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.sdca.home.com 1002053567 24.21.16.19 (Tue, 02 Oct 2001
13:12:47 PDT)
NNTP-Posting-Date: Tue, 02 Oct 2001 13:12:47 PDT
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:6027

I recently got a new PC and tried to install the Icom Windows Cloning Software I bought a few months back. I lost the install instructions (that has the serial number on it) and can't get a response from RT Systems or Icom. Can someone send me a serial number.

Sean

```
From 7626629079264184091
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,b60aa673e2642f4e,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 108122,b60aa673e2642f4e,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,b60aa673e2642f4e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,b60aa673e2642f4e,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: 1031c8,b60aa673e2642f4e,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,b60aa673e2642f4e,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-10-06 15:19:13 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!news.tele.dk!
small.news.tele.dk!4.1.16.34!cpk-news-hub1.bbnplanet.com!news.gtei.net!
yellow.newsread.com!bad-news.newsread.com!netaxs.com!newsread.com!
POSTED.monger.newsread.com!not-for-mail
From: "Joseph Calzaretta" <joec@xtalwind.net>
Newsgroups: alt.ham-radio.hf,alt.ham-radio.marketplace,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap
Subject: FS   TS-440S
Lines: 8
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Message-ID: <zrLv7.513$vf6.193750@monger.newsread.com>
Date: Sat, 06 Oct 2001 22:19:11 GMT
NNTP-Posting-Host: 205.160.242.53
X-Complaints-To: Abuse Role <abuse@xtalwind.net>, We Care <abuse@newsread.com>
X-Trace: monger.newsread.com 1002406751 205.160.242.53 (Sat, 06 Oct 2001 18:19:11
EDT)
NNTP-Posting-Date: Sat, 06 Oct 2001 18:19:11 EDT
Organization: Crystal Wind Communications (xtalwind.net)
Xref: archiver1.google.com alt.ham-radio.hf:1142 alt.ham-radio.marketplace:6123
rec.radio.amateur:2372 rec.radio.amateur.equipment:19241
rec.radio.amateur.swap:1520
```

For Sale: HF rig.   TS-440S, I'm the original owner, non-smoking. Rig was never mobile. Notch fiter does not work. It was like that when I bought it new. 9++ appearance, other than non functioning notch filter it works 100%. Includes 500 cycle CW filter instlled. $450.00 plus shipping from Florida 34446.   Contact: K4LL@ARRL.NET,   (352)382-0809

```
From -1287978705091299747
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,ceb8c82d803feab5,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,ceb8c82d803feab5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,ceb8c82d803feab5,start
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,ceb8c82d803feab5,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114a57,ceb8c82d803feab5,start
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2001-10-14 05:55:22 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!cpk-news-hub1.bbnplanet.com!news.gtei.net!
yellow.newsread.com!bad-news.newsread.com!netaxs.com!newsread.com!
POSTED.monger.newsread.com!not-for-mail
From: "Joseph Calzaretta" <joec@xtalwind.net>
Newsgroups: alt.ham-radio.hf,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.ham-radio.swap
Subject: FS:  TS-440S HF XCVR
Lines: 27
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Message-ID: <YWfy7.644$_S1.301489@monger.newsread.com>
Date: Sun, 14 Oct 2001 12:55:20 GMT
NNTP-Posting-Host: 205.245.61.136
X-Complaints-To: Abuse Role <abuse@xtalwind.net>, We Care <abuse@newsread.com>
X-Trace: monger.newsread.com 1003064120 205.245.61.136 (Sun, 14 Oct 2001 08:55:20
EDT)
NNTP-Posting-Date: Sun, 14 Oct 2001 08:55:20 EDT
Organization: Crystal Wind Communications (xtalwind.net)
Xref: archiver1.google.com alt.ham-radio.hf:1167 alt.ham-radio.marketplace:6198
rec.ham-radio.swap:1153
```

For Sale: HF rig.   TS-440S, built in antenna tuner. I'm the original
owner, non-smoking. Rig was never mobile.   9+ appearance, operates
100%.
 Includes installed 500 cycle CW filter . Filter is fantastic when
operating PSK-31 or other digital modes.
 $400.00 plus shipping from Florida 34446
      Still have the original shipping box.
Contact: Joe,   K4LL@ARRL.NET,   (352)382-0809

Write me a note and I will e-mail a picture of it to you

P.S. I'm selling the above because I just received my brand-new rig with
all the bells and
whistles. I don't have room for the TS-440S in my shack, besides..........

I'm spending my retirement money on myself....... rather than letting it go
to my kids. They'd just party with the money !

From -6239705011480983438
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0c6a341f382ad51,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f504b,d0c6a341f382ad51,start
X-Google-Attributes: gidf504b,public
X-Google-Thread: 1083bf,d0c6a341f382ad51,start
X-Google-Attributes: gid1083bf,public
X-Google-Thread: 101376,d0c6a341f382ad51,start
X-Google-Attributes: gid101376,public
X-Google-Thread: 1066e5,d0c6a341f382ad51,start
X-Google-Attributes: gid1066e5,public
X-Google-ArrivalTime: 2001-10-16 21:22:23 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!sn-xit-01!supernews.com!newshub2.rdc1.sfba.home.com!news.home.com!news1.rdc1.bc.home.com.POSTED!not-for-mail
Reply-To: "Force 17A" <ve7lee@hotmail.com>
From: "Force 17A" <ve7lee@hotmail.com>
Newsgroups: alt.emergency.services,can.general,misc.emerg-services,rec.ham-radio,van.general
Subject: info on Anthrax and other biotec warfare
Lines: 8
Organization: JTF3
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4807.1700
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4807.1700
Message-ID: <2I7z7.90507$ob.2031363@news1.rdc1.bc.home.com>
Date: Wed, 17 Oct 2001 04:22:22 GMT
NNTP-Posting-Host: 24.68.63.24
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.bc.home.com 1003292542 24.68.63.24 (Tue, 16 Oct 2001 21:22:22 PDT)
NNTP-Posting-Date: Tue, 16 Oct 2001 21:22:22 PDT
Xref: archiver1.google.com can.general:38218 misc.emerg-services:4551 van.general:29666

As requested, I have posted information on Anthrax and other knowledge required.

http://tedlee.tripod.com/emergency.htm

```
From 8350958261997203818
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3281ed1a0a21914,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1012c0,d3281ed1a0a21914,start
X-Google-Attributes: gid1012c0,public
X-Google-Thread: f55c2,d3281ed1a0a21914,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 1009ad,d3281ed1a0a21914,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fb049,d3281ed1a0a21914,start
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-10-20 15:13:29 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!
canoe.uoregon.edu!arclight.uoregon.edu!enews.sgi.com!newshub2.rdc1.sfba.home.com!
news.home.com!news1.rdc1.sfba.home.com.POSTED!not-for-mail
Message-ID: <3BD1F706.71202B68@2xo.net>
From: C Money <radioguy@2xo.net>
X-Mailer: Mozilla 4.77 [en] (Windows NT 5.0; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.mods,alt.ham-radio.am,alt.radio.scanner,rec.ham-
radio,alt.ham-radio.vhf-uhf
Subject: Yaesu FT-50R Mod
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 16
Date: Sat, 20 Oct 2001 22:13:28 GMT
NNTP-Posting-Host: 24.14.148.6
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.sfba.home.com 1003616008 24.14.148.6 (Sat, 20 Oct 2001
15:13:28 PDT)
NNTP-Posting-Date: Sat, 20 Oct 2001 15:13:28 PDT
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com alt.ham-radio.mods:748 alt.radio.scanner:16891 alt.ham-
radio.vhf-uhf:6262
```

Ok folks I am running out of steam trying to get this thing to work.
First and foremost ths is a model with the serial number of 04 for the
production number. Second, I have already done the solder mod and done
the reset. However after reading some different information I neglected
to do the PTT/MON/Button ON function and was curious if this is what
potentially defeated my mod.

Right now it does TX out of 470 but nothing over that. Also, when the "band" comes up I only see A1 and no option for FREE.

Any ideas I am stumped.

PS, I also just bought my cable and software for the ADMS.

ANY HELP!!! PLEASE!!!

```
From 7710139614962817245
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3281ed1a0a21914
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1012c0,d3281ed1a0a21914
X-Google-Attributes: gid1012c0,public
X-Google-Thread: 1009ad,d3281ed1a0a21914
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fb049,d3281ed1a0a21914
X-Google-Attributes: gidfb049,public
X-Google-Thread: f55c2,d3281ed1a0a21914
X-Google-Attributes: gidf55c2,public
X-Google-ArrivalTime: 2001-10-21 20:09:36 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newsfeed1.earthlink.net!newsfeed.earthlink.net!
newsmaster1.prod.itd.earthlink.net!newsread2.prod.itd.earthlink.net.POSTED!not-
for-mail
Reply-To: "Armando Lopez" <avl90064@hotmail.com>
From: "Armando Lopez" <avl90064@hotmail.com>
Newsgroups: alt.ham-radio.mods,alt.ham-radio.am,alt.radio.scanner,rec.ham-
radio,alt.ham-radio.vhf-uhf
References: <3BD1F706.71202B68@2xo.net>
Subject: Re: Yaesu FT-50R Mod
Lines: 8
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MIMEOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <Q5MA7.1400$AQ6.112323@newsread2.prod.itd.earthlink.net>
Date: Mon, 22 Oct 2001 03:09:36 GMT
NNTP-Posting-Host: 4.41.113.49
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread2.prod.itd.earthlink.net 1003720176 4.41.113.49 (Sun, 21 Oct 2001
20:09:36 PDT)
NNTP-Posting-Date: Sun, 21 Oct 2001 20:09:36 PDT
Organization: EarthLink Inc. -- http://www.EarthLink.net
X-Received-Date: Sun, 21 Oct 2001 20:05:49 PDT
(newsmaster1.prod.itd.earthlink.net)
Xref: archiver1.google.com alt.ham-radio.mods:756 alt.radio.scanner:16956 alt.ham-
radio.vhf-uhf:6311
```

I remember that there was a cable and software for this radio. There were 2 variations on programs--US and Europe (I am no expert). Try to get the cable software to program it. I have even received cell traffic...I don't listen of course and switch the channel immediately!

Good luck. Someone might have the program and cable for sale.

```
From 5271898595471216004
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,9dfb86e6e7bce110
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,ebb0a59042b771f3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9dfb86e6e7bce110
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,9dfb86e6e7bce110
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108778,3b1e3047997dad3e
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2001-11-09 19:14:47 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!sn-xit-01!
supernews.com!newshub2.rdc1.sfba.home.com!news.home.com!
news1.busy1.on.home.com.POSTED!not-for-mail
From: "Steve Gale" <sgale11@home.com>
Newsgroups: alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur.equipment,rec.radio.swap
Subject: FA: Kenwood TS-120s
Lines: 3
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <GY0H7.44274$ya.9961740@news1.busy1.on.home.com>
Date: Sat, 10 Nov 2001 03:14:46 GMT
NNTP-Posting-Host: 24.226.53.229
X-Complaints-To: abuse@home.net
X-Trace: news1.busy1.on.home.com 1005362086 24.226.53.229 (Fri, 09 Nov 2001
19:14:46 PST)
NNTP-Posting-Date: Fri, 09 Nov 2001 19:14:46 PST
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com alt.ham-radio.marketplace:6646
rec.radio.amateur.equipment:20851 rec.radio.swap:48271
```

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1293048580

```
From -1641932165588244337
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,cf733dbce12e3795,start
```

```
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,cf733dbce12e3795,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,cf733dbce12e3795,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,cf733dbce12e3795,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-11-10 10:07:51 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!sn-xit-01!
supernews.com!newshub2.rdc1.sfba.home.com!news.home.com!
news1.busy1.on.home.com.POSTED!not-for-mail
From: "JW" <oakvillecub@cogeco.ca>
Newsgroups: alt.ham-radio.marketplace,rec.ham-
radio,rec.radio.amateur,rec.radio.swap
Subject: forsale NEW   kenwood SMC-33 microphone  25.00US shipped
Lines: 15
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Message-ID: <W1eH7.44751$ya.10211102@news1.busy1.on.home.com>
Date: Sat, 10 Nov 2001 18:07:50 GMT
NNTP-Posting-Host: 24.141.14.97
X-Complaints-To: abuse@home.net
X-Trace: news1.busy1.on.home.com 1005415670 24.141.14.97 (Sat, 10 Nov 2001
10:07:50 PST)
NNTP-Posting-Date: Sat, 10 Nov 2001 10:07:50 PST
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com alt.ham-radio.marketplace:6659 rec.radio.amateur:2587
rec.radio.swap:48326

for sale:


New Kenwood SMC-33 microphone

25.00US includes shipping


paypal, international postalchecks or certified checks
thanks

oakvillecub@cogeco.ca






From 7690123201289088807
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,cf733dbce12e3795
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,cf733dbce12e3795
```

```
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,cf733dbce12e3795
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,cf733dbce12e3795
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-11-11 08:39:49 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!news.home.com!
news1.busy1.on.home.com.POSTED!not-for-mail
From: "JW" <oakvillecub@cogeco.ca>
Newsgroups: alt.ham-radio.marketplace,rec.ham-
radio,rec.radio.amateur,rec.radio.swap
References: <W1eH7.44751$ya.10211102@news1.busy1.on.home.com>
Subject: Re: forsale NEW   kenwood SMC-33 microSOLD, SOLD, SOLD
Lines: 3
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Message-ID: <oRxH7.47770$ya.10547516@news1.busy1.on.home.com>
Date: Sun, 11 Nov 2001 16:39:48 GMT
NNTP-Posting-Host: 24.141.14.97
X-Complaints-To: abuse@home.net
X-Trace: news1.busy1.on.home.com 1005496788 24.141.14.97 (Sun, 11 Nov 2001
08:39:48 PST)
NNTP-Posting-Date: Sun, 11 Nov 2001 08:39:48 PST
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com alt.ham-radio.marketplace:6679 rec.radio.amateur:2594
rec.radio.swap:48415
```

this unit is sold thanks to keith

```
From -6016075866495364567
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,41701d6ab3df5a55,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,41701d6ab3df5a55,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,41701d6ab3df5a55,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-11-18 06:30:09 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!news.home.com!
news1.rdc2.pa.home.com.POSTED!not-for-mail
From: "Carmine Prestia" <cwp101@home.com>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,rec.ham-radio
Subject: FA:  APC UPS transformer on eBay
Lines: 9
X-Priority: 3
X-MSMail-Priority: Normal
```

X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <UCPJ7.231789$5A3.85905605@news1.rdc2.pa.home.com>
Date: Sun, 18 Nov 2001 14:31:16 GMT
NNTP-Posting-Host: 24.7.220.162
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.pa.home.com 1006093876 24.7.220.162 (Sun, 18 Nov 2001 06:31:16 PST)
NNTP-Posting-Date: Sun, 18 Nov 2001 06:31:16 PST
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com alt.ham-radio.marketplace:6743

For anyone interested I have the following item listed for auction on eBay:

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1665540641

Thanks for looking.

73 - Carmine

From -5325593066064472355
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,2926f7fa1b8b74be,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,2926f7fa1b8b74be,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,2926f7fa1b8b74be,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-11-18 17:01:51 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!news.home.com!news1.rdc2.pa.home.com.POSTED!not-for-mail
From: "Carmine Prestia" <cwp101@home.com>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,rec.ham-radio
Subject: FA: Vista 12V 20A Power Supply Transformer/Parts
Lines: 9
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <bTYJ7.234185$5A3.86660840@news1.rdc2.pa.home.com>
Date: Mon, 19 Nov 2001 01:03:03 GMT
NNTP-Posting-Host: 24.7.220.162
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.pa.home.com 1006131783 24.7.220.162 (Sun, 18 Nov 2001 17:03:03 PST)
NNTP-Posting-Date: Sun, 18 Nov 2001 17:03:03 PST
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com alt.ham-radio.marketplace:6753

I have the following power supply parts for auction on eBay.

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1299405398

Thanks for looking!

73 Carmine

```
From -6266277142004871222
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,7c99a2fb9935c66e,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10ed5f,7c99a2fb9935c66e,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 10c9e3,7c99a2fb9935c66e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,7c99a2fb9935c66e,start
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2001-11-18 17:06:53 PST
Path: archiver1.google.com!news1.google.com!sn-xit-02!supernews.com!newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!news.home.com!news1.mntp1.il.home.com.POSTED!not-for-mail
Message-ID: <3BF85B53.3B12F006@home.com>
From: Mark <kf9tl@home.com>
X-Mailer: Mozilla 4.76 [en] (Win95; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,rec.ham-radio,alt.radio.amateur
Subject: FA ATV XCVR w/2 freqs! Almost new PC Electronics TC70-10
Content-Type: multipart/alternative;
 boundary="------------DBB029B6F06214B0D01F05F7"
Lines: 20
Date: Mon, 19 Nov 2001 01:06:53 GMT
NNTP-Posting-Host: 24.2.218.45
X-Complaints-To: abuse@home.net
X-Trace: news1.mntp1.il.home.com 1006132013 24.2.218.45 (Sun, 18 Nov 2001 17:06:53 PST)
NNTP-Posting-Date: Sun, 18 Nov 2001 17:06:53 PST
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com alt.ham-radio.marketplace:6754


--------------DBB029B6F06214B0D01F05F7
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
```

Thanks for looking!

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1299408141

```
--------------DBB029B6F06214B0D01F05F7
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<!doctype html public "-//w3c//dtd html 4.0 transitional//en">
<html>
Thanks for looking!<a href="http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?
ViewItem&item=1299408141"></a>
<p><a href="http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?
ViewItem&item=1299408141">http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?
ViewItem&amp;item=1299408141</a></html>

--------------DBB029B6F06214B0D01F05F7--




From -9130088151599100141
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,ce5490ff9fb00799,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,ce5490ff9fb00799,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105955,ce5490ff9fb00799,start
X-Google-Attributes: gid105955,public
X-Google-Thread: 1109af,ce5490ff9fb00799,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fc8b1,ce5490ff9fb00799,start
X-Google-Attributes: gidfc8b1,public
X-Google-ArrivalTime: 2001-11-19 05:33:29 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!sn-xit-01!
supernews.com!newshub2.rdc1.sfba.home.com!news.home.com!nntp2.aus1.giganews.com!
nntp.giganews.com!nntp3.aus1.giganews.com!news2.aus1.giganews.com.POSTED!not-for-
mail
From: "lisa lowell" <ka0nno@6mt.com>
Newsgroups: alt.ham-radio.marketplace,att.ham-radio,rec.ham-
radio,rec.radio.amateur.boatanchors,rec.radio.swap
Subject: Ebay- hard to find-- Icom U200 U400 H16 U16 EX494 Programming Kit
Lines: 11
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <fS7K7.35547$4m.2168819@news2.aus1.giganews.com>
NNTP-Posting-Date: Mon, 19 Nov 2001 07:32:59 CST
Organization: Giganews.Com - Premium News Outsourcing
X-Trace: sv3-fuBDj6Ef5JMZFS7Ll8PSBxQRqTJ8k3FH/
ZpUpuFjQeexfTtynOEE6EGFCqmOc53HbTJRxaWwH82np/D!
1FS7dvNaKajrrPrQHRgvTEzrfnMjun6UpImvE+qwdd+hjd/msNxIDTUN1DZ+/IZuzAoSlsEQvlDT!
ISp5trqvWg03sRY=
X-Complaints-To: abuse@GigaNews.Com
X-DMCA-Notifications: http://www.giganews.com/info/dmca.html
X-Abuse-Info: Please be sure to forward a copy of ALL headers
```

X-Abuse-Info: Otherwise we will be unable to process your complaint properly
Date: Mon, 19 Nov 2001 13:32:59 GMT
Xref: archiver1.google.com alt.ham-radio.marketplace:6761 rec.radio.amateur.boatanchors:14649 rec.radio.swap:49164

Icom Maintenance Set. This set is to pre-set (program / clone) frequencies on U200, U400, H16, U16, V100, V200 and V201 commercial Icom radios. According to the enclosed manual, it will program all of the abovementioned radios. The set contains what you can see in the picture. This is the EX-494 external keypad, user manual and the OPC-129, OPC-138, and OPC-133 cloning cables in the original box.

See at
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1299408299

From -5398421165604106516
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca1f223c0ccb731d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,ca1f223c0ccb731d,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,ca1f223c0ccb731d,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2001-11-30 20:01:26 PST
Message-ID: <3C0855F4.9E05367F@ev1.net>
Date: Fri, 30 Nov 2001 22:00:53 -0600
From: hogman01flhr@ev1.net
X-Mailer: Mozilla 4.7 [en]C-CCK-MCD EZN47 (Win98; I)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.radio.swap,rec.ham-radio,rec.ham-radio.swap
Subject: FS: Omni 6 Plus
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
NNTP-Posting-Host: np-dsl-216-12-217-254.ev1.net
X-Trace: newsa.ev1.net 1007179146 np-dsl-216-12-217-254.ev1.net (30 Nov 2001 21:59:06 -0600)
Lines: 11
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!nnxp1.twtelecom.net!newsa.ev1.net
Xref: archiver1.google.com rec.radio.swap:50311 rec.ham-radio.swap:1311

Have a Omni 6 plus loaded!   Original omni upgraded to 6 plus,   with all papers showing documentation.   Have ssb, cw filters, in super shape, Will include the TT #705 desk mic with the deal!   Shipped to your door $1450.   No trades.

thanks,   Steve   WD5HNI

reply to mail to me   at   "hogman@ev1.net"   only.....

tnx, 73's

From 4654846828133582913
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,fd17e47601e1afeb,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,fd17e47601e1afeb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,fd17e47601e1afeb,start
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 2001-12-01 14:51:50 PST
Path: archiver1.google.com!news1.google.com!newsfeed.stanford.edu!sn-xit-01!supernews.com!newshub2.rdc1.sfba.home.com!news.home.com!news1.rdc1.md.home.com.POSTED!not-for-mail
From: "Richard Malone" <malone1956@home.net>
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.radio.swap
Subject: Paypal
Lines: 11
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Message-ID: <aadO7.70769$Ze5.40209307@news1.rdc1.md.home.com>
Date: Sat, 01 Dec 2001 22:51:50 GMT
NNTP-Posting-Host: 24.39.144.18
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.md.home.com 1007247110 24.39.144.18 (Sat, 01 Dec 2001 14:51:50 PST)
NNTP-Posting-Date: Sat, 01 Dec 2001 14:51:50 PST
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com alt.ham-radio.marketplace:6938 rec.radio.swap:50393

Recently I remember seeing a post about problems with Paypal. A few weeks ago, I purchased a Icom ht off of Ebay. The seller (another ham operator) asked to be paid with Paypal. When I received the radio, it had no output power. He now says it's an old radio, what did I expect. I have been through the Square Trade process which is a joke. What other recourse is there with Paypal? Any experiences out there?

Richard, n3fif

From 908125857123798242
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,77286a9d31b5d49a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5341,77286a9d31b5d49a

```
X-Google-Attributes: gidf5341,public
X-Google-Thread: 106d41,77286a9d31b5d49a
X-Google-Attributes: gid106d41,public
X-Google-Thread: 1009ad,77286a9d31b5d49a
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 10bdb7,77286a9d31b5d49a
X-Google-Attributes: gid10bdb7,public
X-Google-Thread: fddbf,77286a9d31b5d49a
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f9153,77286a9d31b5d49a
X-Google-Attributes: gidf9153,public
X-Google-Thread: fd5d6,77286a9d31b5d49a
X-Google-Attributes: gidfd5d6,public
X-Google-ArrivalTime: 2001-07-05 02:09:24 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!news.maxwell.syr.edu!news1.optus.net.au!optus!
intgwpad.nntp.telstra.net!news-server.bigpond.net.au!not-for-mail
From: trash0@hotmail.com (trash)
Newsgroups:
alt.radio.scanner,alt.radio.scanner.uk,aus.radio.cb,aus.radio.scanner,it.hobby.rad
io-cb,rec.ham-radio,rec.ham-radio.packet,rec.radio.cb
Subject: Re: PLEASE HELP A BEGINNER!
Message-ID: <3b4426f7.5174637@news-server>
References: <G%L07.92518$Mf5.26552508@news3.rdc1.on.home.com>
<NfQ07.15245$mX1.2255237@news20.bellglobal.com> <3B440DC6.6A6D9FF4@ay.com.au>
X-Newsreader: Forte Free Agent 1.21/32.243
Lines: 49
Date: Thu, 05 Jul 2001 09:09:22 GMT
NNTP-Posting-Host: 144.132.189.216
X-Complaints-To: news@bigpond.net.au
X-Trace: news-server.bigpond.net.au 994324162 144.132.189.216 (Thu, 05 Jul 2001
19:09:22 EST)
NNTP-Posting-Date: Thu, 05 Jul 2001 19:09:22 EST
Organization: BigPond Internet Services (http://www.bigpond.net.au)
Xref: archiver1.google.com alt.radio.scanner:12747 alt.radio.scanner.uk:8075
aus.radio.cb:1803 aus.radio.scanner:5479 it.hobby.radio-cb:2319 rec.radio.cb:39119
```

On Thu, 05 Jul 2001 06:48:39 GMT, Alan Yates <alany@ay.com.au> wrote:

> ZOOM wrote:
>>
>> Don't bother with any of it. Got a sound card and mike on your computer you
>> can virtually tak to anyone!
>
> Bloody excellent attitude. :-/

Hehehe .... yeah, it's a bit like that.
cop out now before you become a failure and humiliate yourself !

Best advice is ....

Start with a CB ... a simple HF AM CB is dirt cheap especially from
your local pawn shop. It'll give you a feel for 2 way radio. There

are a few good books available on setting up CB too to help you
with questions like antennas etc.
For something a lot more interesting you would consider buying
a SSB CB radio. You will be able to use that to talk all over the
world, dependant on conditions, and it is a lot like amateur (ham)
radio. The radio's are a little more expensive, though you get what
you pay for. Some people buy an AM unit to start with and then
later buy an SSB once they feel the need for more talk power :-).

Shortwave Radio just describes the frequency range and it's behaviour.
Shortwave radio has international broadcast stations, ships, military,
embassy, phones, commercial airlines, CB, and ham radio.
Shortwave signals basically bounce of layers in the upper atmosphere
caused by solar radiation. This allows signals to travel long
distances sometimes bouncing several times.

Ham radio not only uses shortwave radio, but also has frequencies
in
VHF where you find TV channels.
UHF - things like UHF TV, Police, Cell Phones.
SHF - or Microwave ... yep, the stuff that cooks your food !!!

Not only can you talk on ham radio, but you can send data and
even transmit TV ! or morse code if you are so inclined.
Ham radio even has it's own satellites you can use !
There is so much variety that each faccet is a hobby in itself.
Though your in Canada, a quick peak at the ARRL and you'll
get some idea of what goes on.

- trash

From -2813222441857601654
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,94804fdae53d9e10,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,94804fdae53d9e10,start
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-07-08 08:52:19 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!howland.erols.net!dc1.nntp.concentric.net!
195.206.66.162.MISMATCH!newsfeed.concentric.net!Amsterdam.Infonet!
News.Amsterdam.UnisourceCS!news.otenet.gr!not-for-mail
From: "jason" <jason@nospam.ote>
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: hf - vhf
Date: Sun, 8 Jul 2001 18:52:19 +0300
Organization: An OTEnet S.A. customer
Lines: 7
Message-ID: <9i9vjg$rfk$1@usenet.otenet.gr>

NNTP-Posting-Host: athe530-n070.otenet.gr
X-Trace: usenet.otenet.gr 994607537 28148 212.205.246.70 (8 Jul 2001 15:52:17 GMT)
X-Complaints-To: abuse@otenet.gr
NNTP-Posting-Date: Sun, 8 Jul 2001 15:52:17 +0000 (UTC)
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2919.6600
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4848

I am looking for a relatively cheap handheld that can send and receive at cb (hf) and vhf. Chanel adjustment to cb chanels instead of mhz for ease of use would be nice. Any sugestions? I have access to icom products mostly.
Anyone here from greece to advice me more specifically???
Jason

From 2402956224485805510
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0f6dee1d873b6e8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,d0f6dee1d873b6e8,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,d0f6dee1d873b6e8,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-07-08 18:29:41 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!ptdnetT!newsgateT.ptd.net!ptdnetS!newsgate.ptd.net!
nnrp1.ptd.net.POSTED!not-for-mail
Message-ID: <3B490788.6BBA2484@ptd.net>
From: Josh Sponenberg <Sponge14@ptd.net>
Reply-To: Sponge14@ptd.net
X-Mailer: Mozilla 4.72 [en] (Win95; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio,rec.ham-radio
Subject: Cat-5 as vhf/uhf feedline? A feasibility study.
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 13
Date: Mon, 09 Jul 2001 01:34:32 GMT
NNTP-Posting-Host: 24.229.70.106
X-Complaints-To: abuse@ptd.net
X-Trace: nnrp1.ptd.net 994642472 24.229.70.106 (Sun, 08 Jul 2001 21:34:32 EDT)
NNTP-Posting-Date: Sun, 08 Jul 2001 21:34:32 EDT
Organization: PenTeleData http://www.ptd.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4852

cat-5e. good up to 350mhz, 50ohm impedence IIRC. Is it feasible for feeders for 10 6 and 2m antennas? Just curious as i have a shedload of cat-5 around here (Uber-geek) and rg-58/rg-8 is a little on the espensive side around here.

Just curious. twinlead and ladderline gave me the thought.

I'm interested in antenna design/theory/physics and all that jazz, so
any info is appreciated.

TIA
73, KB3GUF
Sponge!

From 1710048984370451395
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0f6dee1d873b6e8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,d0f6dee1d873b6e8
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,d0f6dee1d873b6e8
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-07-08 20:36:32 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!wn1feed!worldnet.att.net!135.173.83.71!wnfilter1!
worldnet-localpost!bgtnsc05-news.ops.worldnet.att.net.POSTED!not-for-mail
Reply-To: "Ryan" <rkelzenberg@hotmail.com>
From: "Ryan" <rkelzenberg@hotmail.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio,rec.ham-radio
References: <3B490788.6BBA2484@ptd.net>
Subject: Re: Cat-5 as vhf/uhf feedline? A feasibility study.
Lines: 21
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <3F927.10279$Fy3.907449@bgtnsc05-news.ops.worldnet.att.net>
Date: Mon, 09 Jul 2001 03:36:31 GMT
NNTP-Posting-Host: 12.75.134.110
X-Complaints-To: abuse@worldnet.att.net
X-Trace: bgtnsc05-news.ops.worldnet.att.net 994649791 12.75.134.110 (Mon, 09 Jul
2001 03:36:31 GMT)
NNTP-Posting-Date: Mon, 09 Jul 2001 03:36:31 GMT
Organization: AT&T Worldnet
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4853

I would not recommend using cat 5 cable for antenna line. There just is not
enough shielding and insulation on the wires.   I would expect to see a
large amount of loss and leakage from the able.

"Josh Sponenberg" <Sponge14@ptd.net> wrote in message
news:3B490788.6BBA2484@ptd.net...
> cat-5e. good up to 350mhz, 50ohm impedence IIRC. Is it feasible for
> feeders for 10 6 and 2m antennas? Just curious as i have a shedload of
> cat-5 around here (Uber-geek) and rg-58/rg-8 is a little on the

> espensive side around here.
>
> Just curious. twinlead and ladderline gave me the thought.
>
> I'm interested in antenna design/theory/physics and all that jazz, so
> any info is appreciated.
>
> TIA
> 73, KB3GUF
> Sponge!

From -1970326637978742308
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0f6dee1d873b6e8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,d0f6dee1d873b6e8
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,d0f6dee1d873b6e8
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-07-09 15:52:01 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!newsfeed.direct.ca!look.ca!howland.erols.net!news-xfer.netaxs.com.MISMATCH!news-xfer.newsread.com!bad-news.newsread.com!netaxs.com!newsread.com!POSTED.monger.newsread.com!not-for-mail
From: "Johnson" <robjohn@chesco.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio,rec.ham-radio
References: <3B490788.6BBA2484@ptd.net>
Subject: Re: Cat-5 as vhf/uhf feedline? A feasibility study.
Lines: 22
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <RAq27.451$Ka2.214342@monger.newsread.com>
Date: Mon, 09 Jul 2001 22:52:33 GMT
NNTP-Posting-Host: 209.195.197.190
X-Complaints-To: Abuse Role <abuse@chesco.com>, We Care <abuse@newsread.com>
X-Trace: monger.newsread.com 994719153 209.195.197.190 (Mon, 09 Jul 2001 18:52:33 EDT)
NNTP-Posting-Date: Mon, 09 Jul 2001 18:52:33 EDT
Organization: Chester County Internet Services (chesco.com)
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4864

Josh,
    Loss is very high (thus the 100 meter limit for Cat5). Insulation is inadequate for all but QRP operation. In a phrase, "forget it".
        Greg K3EWZ

"Josh Sponenberg" <Sponge14@ptd.net> wrote in message news:3B490788.6BBA2484@ptd.net...

```
> cat-5e.  good up to 350mhz, 50ohm impedence IIRC.  Is it feasible for
> feeders for 10 6 and 2m antennas?  Just curious as i have a shedload of
> cat-5 around here (Uber-geek) and rg-58/rg-8 is a little on the
> espensive side around here.
>
> Just curious.  twinlead and ladderline gave me the thought.
>
> I'm interested in antenna design/theory/physics and all that jazz, so
> any info is appreciated.
>
> TIA
> 73, KB3GUF
> Sponge!




From -4942542131901168540
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f7f77acfabc9cfb8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,f7f77acfabc9cfb8
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,f7f77acfabc9cfb8
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,f7f77acfabc9cfb8
X-Google-Attributes: gid114a57,public
X-Google-Thread: 108778,f7f77acfabc9cfb8
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2001-07-10 19:27:30 PST
Path: archiver1.google.com!newsfeed.google.com!postnews1.google.com!not-for-mail
From: nc8c@concentric.net (Bert2X)
Newsgroups: alt.ham-radio,rec.ham-radio,alt.ham-
radio.hf,alt.radio.amateur,rec.radio.amateur
Subject: Re: Icom IC-706 vs. Yaesu FT-100: crossband repeat?
Date: 10 Jul 2001 19:27:30 -0700
Organization: http://groups.google.com/
Lines: 9
Message-ID: <d10de8f1.0107101827.57edae44@posting.google.com>
References: <3B428152.8EF652DF@mac.com>
NNTP-Posting-Host: 208.176.212.143
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 994818450 17904 127.0.0.1 (11 Jul 2001 02:27:30 GMT)
X-Complaints-To: groups-support@google.com
NNTP-Posting-Date: 11 Jul 2001 02:27:30 GMT
Xref: archiver1.google.com alt.ham-radio.hf:856 rec.radio.amateur:1778

Grant Cunningham <grantcunningham@mac.com> wrote in message
news:<3B428152.8EF652DF@mac.com>...
> OK, I've been to both websites and can't find an answer. Can either the
> IC-706 Mk IIG or the FT-100D do cross band repeat, or be modified to do so?
>
```

> Thanks for any help you can give!

I have the 706 and it does not/can not/ will not do crossband repeat

Bert N8HS

```
From 3004413000971899937
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6dac3995df8f18d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,c6dac3995df8f18d,start
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-07-11 08:02:29 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!feed2.news.rcn.net!rcn!news.maxwell.syr.edu!news-
xfer.siscom.net!204.186.200.232.MISMATCH!ptdnetT!newsgateT.ptd.net!ptdnetS!
newsgate.ptd.net!nnrp1.ptd.net.POSTED!not-for-mail
Message-ID: <3B4C69A8.DCED45DB@sunlink.net>
From: Josh Sponenberg <battwork@sunlink.net>
X-Mailer: Mozilla 4.7 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Question: Buy a "mobile" rig or just get an amp for the car for an HT?
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 27
Date: Wed, 11 Jul 2001 15:07:21 GMT
NNTP-Posting-Host: 24.229.70.106
X-Complaints-To: abuse@ptd.net
X-Trace: nnrp1.ptd.net 994864041 24.229.70.106 (Wed, 11 Jul 2001 11:07:21 EDT)
NNTP-Posting-Date: Wed, 11 Jul 2001 11:07:21 EDT
Organization: PenTeleData http://www.ptd.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4892
```

I have a nice HT (Vx-5 0wnz ;-) which is all fine and dandy for what i use it for (got an antenna on the breather pipe at home for 6/2 and 440) but i want to move into the vehicle mounted area (tired of sticking the rubber ducky out the window to xmit and haven't found a good mobile antenna yet (recommend one? all i can find is "CB/amateur' (gotta be bad SWR) and "cb 2m".. any good 2/440 or 6/2s out there for under 50 bucks?))

So my main question is, should I buy a mobile rig (another 200 bucks) or just mount a 1:5 or a 1:10 amp in the car (50-100 bucks) (5w out on the vx-5 remember) and just "jack in" when I want to go "mobile".... Considering I don't have any HF privlidges yet (hopefully within the year) I see no reason to invest in something like the 706 MKII-G just for 6/2/440 mobile.

comments are appreciated..

TIA
73, DE KB3GUF K
Sponge!

```
--
   |+|              |-|
+========================+
|    Josh Sponenberg     |
|   Battery Specialist   |
| www.BatteryWorksPA.com |
+========================+
```

From 323799765736826810
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6dac3995df8f18d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,c6dac3995df8f18d
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-07-11 17:52:19 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-03!supernews.com!newsswitch.lcs.mit.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!news.stealth.net!newscon02.news.prodigy.com!newsmst01.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!newssvr17.news.prodigy.com.POSTED!not-for-mail
From: "phantom" <tank63@hotmail.com>
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio
References: <3B4C69A8.DCED45DB@sunlink.net>
Subject: Re: Question: Buy a "mobile" rig or just get an amp for the car for an HT?
Lines: 24
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-Mimeole: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <s9637.1209$7e4.365784123@newssvr17.news.prodigy.com>
NNTP-Posting-Host: 66.90.145.137
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr17.news.prodigy.com 994897624 6247488 66.90.145.137 (Wed, 11 Jul 2001 20:27:04 EDT)
NNTP-Posting-Date: Wed, 11 Jul 2001 20:27:04 EDT
Organization: Prodigy Internet http://www.prodigy.com
Date: Thu, 12 Jul 2001 00:27:04 GMT
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4901

"Josh Sponenberg" <battwork@sunlink.net> wrote in message
news:3B4C69A8.DCED45DB@sunlink.net...
> I have a nice HT (Vx-5 0wnz ;-) which is all fine and dandy for what i
> use it for (got an antenna on the breather pipe at home for 6/2 and 440)
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> rubber ducky out the window to xmit and haven't found a good mobile
> antenna yet (recommend one? all i can find is "CB/amateur' (gotta be
> bad SWR) and "cb 2m".. any good 2/440 or 6/2s out there for under 50

> bucks?))

Josh,
I have a good 5/8 wave magnet mount antenna that I got from MFJ. It works
great with my Realistic HTX-202 2 meter handheld at 5 watts. Go to the
website and look at the different antenna options they have.
www.mfjenterprises.com
There are several different dealers and websites out there that have lots of
good products for what you are looking for.
Good luck.

Tom KB5YUE

From 5755081143308120538
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,2a812777225ff7ab,start
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,2a812777225ff7ab,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,2a812777225ff7ab,start
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X-Google-Thread: fb049,2a812777225ff7ab,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa656,2a812777225ff7ab,start
X-Google-Attributes: gidfa656,public
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X-Google-Attributes: gid108778,public
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X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-07-12 05:07:21 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!news-xfer.newsread.com!bad-news.newsread.com!
netaxs.com!newsread.com!POSTED.newshog.newsread.com!not-for-mail
From: "Ryan KC8PMX" <kc8pmx@tm.net>
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-
uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment
Subject: Help in programming HT
Lines: 14
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2919.6600
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
Message-ID: <Wpg37.11$7d.3940@newshog.newsread.com>
Date: Thu, 12 Jul 2001 12:07:18 GMT
NNTP-Posting-Host: 64.7.163.88
X-Complaints-To: Abuse Role <abuse@tm.net>, We Care <abuse@newsread.com>
X-Trace: newshog.newsread.com 994939638 64.7.163.88 (Thu, 12 Jul 2001 08:07:18
EDT)
NNTP-Posting-Date: Thu, 12 Jul 2001 08:07:18 EDT

Organization: The Mercury Network (tm.net)
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4905 rec.radio.amateur:1784
rec.radio.amateur.equipment:15539

Is there anyone out there that has better instructions for programming the
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The manual for my Icom HT was a pain in the *#&$ but I finally figured it
out, but I am having a hell of time with this radio. Can anyone help?

--
Ryan Lughermo, KC8PMX

Check out www.qsl.net/w8kea
Amateur Radio Is Fun!!! Ask me!

From -5583100583511193899
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6dac3995df8f18d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,c6dac3995df8f18d
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-07-12 14:54:28 PST
Message-ID: <3B4E1C8F.2E4D4C6D@iglou.com>
Date: Thu, 12 Jul 2001 17:54:23 -0400
From: Tom Currie <N4AOF@iglou.com>
X-Mailer: Mozilla 4.5 [en]C-WNS5.0 (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: Question: Buy a "mobile" rig or just get an amp for the car for an
 HT?
References: <3B4C69A8.DCED45DB@sunlink.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
NNTP-Posting-Host: lou-ts5-9.iglou.com
X-Original-NNTP-Posting-Host: lou-ts5-9.iglou.com
X-Trace: news.iglou.com 994974865 lou-ts5-9.iglou.com (12 Jul 2001 17:54:25 -0400)
Lines: 54
X-Original-NNTP-Posting-Host: 204.255.238.23
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!feed2.onemain.com!feed1.onemain.com!uunet!dca.uu.net!
ash.uu.net!news.iglou.com
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4909

Josh Sponenberg wrote:
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> bucks?))

I don't know of a readily available antenna that does 6m AND either of the other bands, but there are plenty of 2m/440MHz "dual band" antennas available. Several of us around here have had good luck with assorted brands of dual-band thru-glass antennas. I was really surprised at how well thru-glass antennas work today. My brother had settled for one (against my advice) because he really didn't want to drill a hole through his new SUV and there just wasn't any great way to run coax to the outside anywhere. Since then I chose a different thru-glass dual band antenna when I changed radios from an Alinco that had separate antenna connectors to a Yaesu that combined both bands through a single antenna connector -- it was easier for me to get a dual band antenna than to get a duplexer so I could keep my two single band antennas.

Another simple alternative is to use a simple quarter-wave antenna for 2m (about 19") -- that same antenna will also perform great as a 3/4-wave at 440. Depending on the terrain, a quarter-wave (and a 3/4-wave) will often out-perform the most 5/8-wave or other "gain" antennas in mobile use.

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> for 6/2/440 mobile.

Either route should do pretty well.

Don't overlook the possibility of getting a used mobile rig - often considerably cheaper than a new rig.

So far as the amplifier idea goes, I don't recall seeing any tri-band amps that would do 6/2/440. There are plenty of dual-band 2/440 amps available, although most I have seen are a bit higher priced than you mentioned (Your price range sounds more like a single band amp).

One other possibility you might try -- and the one I would recommend you try FIRST even if you decide to do something else later -- is to just use the HT in the car using a dual-band (2/440) mobile antenna. At VHF and UHF the antenna location and the antenna itself make more difference than the power you feed to them. 4 or 5W is plenty for mobile operation with a decent antenna in most parts of the country.

73 de N4AOF

From -2872996492427365373

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,2a812777225ff7ab
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,2a812777225ff7ab
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,2a812777225ff7ab
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X-Google-Thread: fa656,2a812777225ff7ab
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb049,2a812777225ff7ab
X-Google-Attributes: gidfb049,public
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X-Google-ArrivalTime: 2001-07-12 15:06:44 PST
Message-ID: <3B4E1F6C.7AC9C041@iglou.com>
Date: Thu, 12 Jul 2001 18:06:36 -0400
From: Tom Currie <N4AOF@iglou.com>
X-Mailer: Mozilla 4.5 [en]C-WNS5.0 (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment
Subject: Re: Help in programming HT
References: <Wpg37.11$7d.3940@newshog.newsread.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
NNTP-Posting-Host: lou-ts5-9.iglou.com
X-Original-NNTP-Posting-Host: lou-ts5-9.iglou.com
X-Trace: news.iglou.com 994975599 lou-ts5-9.iglou.com (12 Jul 2001 18:06:39 -0400)
Lines: 34
X-Original-NNTP-Posting-Host: 204.255.238.23
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!sn-xit-04!supernews.com!novia!newsfeed1.cidera.com!netnews.com!howland.erols.net!newsfeed.fast.net!uunet!dca.uu.net!ash.uu.net!news.iglou.com
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4910 rec.radio.amateur:1789 rec.radio.amateur.equipment:15580

Ryan KC8PMX wrote:

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> Heath HW24HT dual band HT? The manual I have is so damned confusing!!!!!!!!
> The manual for my Icom HT was a pain in the *#&$ but I finally figured it
> out, but I am having a hell of time with this radio. Can anyone help?

Wow! Someone still has a Heath HW24HT!!   I had one around here somewhere, but I honestly haven't been able to find it in over a year. They were a great radio in their day. But yes, the radio is a bit tricky to program. Plan on keeping the manual with you if you expect to do anything more complicated than picking from among the channels you already programmed in.

As I recall the radio and the manual, it really wasn't a bad manual, it is just that the radio itself was a bit tricky -- when Standard designed the HW24HT it had features that no one else offered yet and you really did need to follow the directions step by step to get it set up properly. But, at least as I remember mine, it really did work if you sat down at a table with the radio and the manual; looked up each thing you wanted to program, and followed the steps. The steps were correct (more than I can say for several radios today) but the sections of the manual were not always in the order that a person would want to do them. I'd suggest reading through the manual to get an idea of what you can do and where each thing is in the manual. Then decide what you want to do (probably program the memory channels) and work through it by looking up the steps you need.

Since you HAVE the manual, let me suggest making a copy of the picture of the face of the radio with all the buttons marked. Laminate that copy and keep it. If the markings on the radio haven't already worn off, they will once you start carrying the radio around and using it.

73 de N4AOF

```
From -9029797497338781160
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6dac3995df8f18d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,c6dac3995df8f18d
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-07-12 18:55:19 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!sn-xit-01!supernews.com!
newshub2.rdc1.sfba.home.com!news.home.com!news1.rdc1.sfba.home.com.POSTED!not-for-
mail
From: "Tom" <ki0pa@yahoo.com>
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio
References: <3B4C69A8.DCED45DB@sunlink.net> <3B4E1C8F.2E4D4C6D@iglou.com>
Subject: Re: Question: Buy a "mobile" rig or just get an amp for the car for an
HT?
Lines: 65
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2462.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2462.0000
Message-ID: <ays37.178816$%i7.116670085@news1.rdc1.sfba.home.com>
Date: Fri, 13 Jul 2001 01:55:18 GMT
NNTP-Posting-Host: 24.16.3.82
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.sfba.home.com 994989318 24.16.3.82 (Thu, 12 Jul 2001 18:55:18
PDT)
NNTP-Posting-Date: Thu, 12 Jul 2001 18:55:18 PDT
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4912
```

Diamond has a pretty good 50/146/440   6 meter/2 meter/70cm Mobile antenna. I have the mag mount version for portable use.

Diamond CR-627B

Tom

> >
> > I have a nice HT (Vx-5 0wnz ;-) which is all fine and dandy for what i
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> with a decent antenna in most parts of the country.
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> 73 de N4AOF

From -9093108079782521406
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6dac3995df8f18d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,c6dac3995df8f18d
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-07-12 20:40:40 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!newsfeed.direct.ca!look.ca!ptdnetT!newsgateT.ptd.net!ptdnetS!newsgate.ptd.net!nnrp1.ptd.net.POSTED!not-for-mail
Message-ID: <3B4E6C81.E5380597@ptd.net>
From: Josh Sponenberg <Sponge14@ptd.net>
Reply-To: Sponge14@ptd.net
X-Mailer: Mozilla 4.72 [en] (Win95; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: Question: Buy a "mobile" rig or just get an amp for the car for an HT?
References: <3B4C69A8.DCED45DB@sunlink.net> <3B4E1C8F.2E4D4C6D@iglou.com> <ays37.178816$%i7.116670085@news1.rdc1.sfba.home.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 64
Date: Fri, 13 Jul 2001 03:45:35 GMT
NNTP-Posting-Host: 24.229.70.106
X-Complaints-To: abuse@ptd.net
X-Trace: nnrp1.ptd.net 994995935 24.229.70.106 (Thu, 12 Jul 2001 23:45:35 EDT)
NNTP-Posting-Date: Thu, 12 Jul 2001 23:45:35 EDT
Organization: PenTeleData http://www.ptd.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4913

sounds cool, got a url for it?

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>
> Tom
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```
> > with a decent antenna in most parts of the country.
> >
> > 73 de N4AOF


From -5465506296037431071
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,2a812777225ff7ab
X-Google-Attributes: gid1091c5,public
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X-Google-Attributes: gidfb049,public
X-Google-Thread: 108778,2a812777225ff7ab
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,2a812777225ff7ab
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108122,2a812777225ff7ab
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X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-07-15 01:25:17 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!news-xfer.newsread.com!netaxs.com!newsread.com!
POSTED.newshog.newsread.com!not-for-mail
From: "Ryan KC8PMX" <kc8pmx@tm.net>
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-
uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment
References: <Wpg37.11$7d.3940@newshog.newsread.com> <3B4E1F6C.7AC9C041@iglou.com>
Subject: Re: Help in programming HT
Lines: 54
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2919.6600
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
Message-ID: <Mrc47.24$Jv.8038@newshog.newsread.com>
Date: Sun, 15 Jul 2001 08:25:16 GMT
NNTP-Posting-Host: 64.7.163.120
X-Complaints-To: Abuse Role <abuse@tm.net>, We Care <abuse@newsread.com>
X-Trace: newshog.newsread.com 995185516 64.7.163.120 (Sun, 15 Jul 2001 04:25:16
EDT)
NNTP-Posting-Date: Sun, 15 Jul 2001 04:25:16 EDT
Organization: The Mercury Network (tm.net)
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4940 rec.radio.amateur:1804
rec.radio.amateur.equipment:15753


"Tom Currie" <N4AOF@iglou.com> wrote in message
news:3B4E1F6C.7AC9C041@iglou.com...
> Ryan KC8PMX wrote:
> >
> > Is there anyone out there that has better instructions for programming
the
```

> > Heath HW24HT dual band HT? The manual I have is so damned
confusing!!!!!!!
> > The manual for my Icom HT was a pain in the *#&$ but I finally figured
it
> > out, but I am having a hell of time with this radio. Can anyone help?
>
> Wow! Someone still has a Heath HW24HT!!   I had one around here
> somewhere, but I honestly haven't been able to find it in over a year.
> They were a great radio in their day. But yes, the radio is a bit
> tricky to program. Plan on keeping the manual with you if you expect to
> do anything more complicated than picking from among the channels you
> already programmed in.
>
> As I recall the radio and the manual, it really wasn't a bad manual, it
> is just that the radio itself was a bit tricky -- when Standard designed
> the HW24HT it had features that no one else offered yet and you really
> did need to follow the directions step by step to get it set up
> properly. But, at least as I remember mine, it really did work if you
> sat down at a table with the radio and the manual; looked up each thing
> you wanted to program, and followed the steps. The steps were correct
> (more than I can say for several radios today) but the sections of the
> manual were not always in the order that a person would want to do
> them. I'd suggest reading through the manual to get an idea of what you
> can do and where each thing is in the manual. Then decide what you want
> to do (probably program the memory channels) and work through it by
> looking up the steps you need.
>
> Since you HAVE the manual, let me suggest making a copy of the picture
> of the face of the radio with all the buttons marked. Laminate that
> copy and keep it. If the markings on the radio haven't already worn
> off, they will once you start carrying the radio around and using it.
>
> 73 de N4AOF

Actually aside from the battery going south..... the radio is in almost
perfect order!!! If there is a scratch on it, that would surprise me. Just
need to figure out the steps involved in order to program it, set PL tones
etc... just like I do on my other HT and mobile rig. I am comfortable now
with both my Icom HT and my Radio Shack mobile to the point I could operate
the damned things blind. (except for knowing what frequency I would be on
in VFO mode)

Ryan

From 1014071236733387879
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6dac3995df8f18d
X-Google-Attributes: gid10c9e3,public

```
X-Google-Thread: fb049,c6dac3995df8f18d
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-07-16 00:28:19 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!isdnet!
news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!feed2.onemain.com!
feed1.onemain.com!nntp2.onemain.com.POSTED!not-for-mail
Reply-To: "Bob M." <no@nospam.com>
From: "Bob M." <no@nospam.com>
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio
References: <3B4C69A8.DCED45DB@sunlink.net>
Subject: Re: Question: Buy a "mobile" rig or just get an amp for the car for an
HT?
Lines: 16
Organization: x-no-archive=yes
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <xEw47.6751$pD1.1222125@nntp2.onemain.com>
Date: Mon, 16 Jul 2001 01:28:02 -0600
NNTP-Posting-Host: 207.12.145.14
X-Complaints-To: abuse@onemain.com
X-Trace: nntp2.onemain.com 995268253 207.12.145.14 (Mon, 16 Jul 2001 03:24:13 EDT)
NNTP-Posting-Date: Mon, 16 Jul 2001 03:24:13 EDT
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4949
```

"Josh Sponenberg" <battwork@sunlink.net> wrote in message
news:3B4C69A8.DCED45DB@sunlink.net...

> So my main question is, should I buy a mobile rig (another 200 bucks) or
> just mount a 1:5 or a 1:10 amp in the car (50-100 bucks) (5w out on the
> vx-5 remember) and just "jack in" when I want to go "mobile"....

Get a mobile. Can you read that 1" high LCD at arm's length, in the day, while driving down the road? Not likely. And don't even try at night.

A mobile radio is much safer, is wired directly to the battery (frees up a lighter socket, no wires hanging) and is bolted down. The unanchored HT is like a cannonball in a wreck - hope it doesn't hit you.

```
From -6969238649075772561
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2b77154668b5041,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1164ef,f2b77154668b5041,start
X-Google-Attributes: gid1164ef,public
X-Google-Thread: fb049,f2b77154668b5041,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,f2b77154668b5041,start
```

X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-07-16 07:28:14 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!news.home.com!
news3.rdc1.on.home.com.POSTED!not-for-mail
From: "Nicolas \(PianoMan\) Anbeek" <illcryinstead@home.com>
Newsgroups: alt.ham-radio,alt.ham-radio.amtor,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: CB BANDS ON HAM RADIO?
Lines: 13
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>
Date: Mon, 16 Jul 2001 14:28:13 GMT
NNTP-Posting-Host: 24.157.131.138
X-Complaints-To: abuse@home.net
X-Trace: news3.rdc1.on.home.com 995293693 24.157.131.138 (Mon, 16 Jul 2001
07:28:13 PDT)
NNTP-Posting-Date: Mon, 16 Jul 2001 07:28:13 PDT
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4950

Hello. Could somebody please tell me if it's possible to access the CB
channels on ham radio? For instance if I have a small 2 meter transceiver
could I talk to somebody on CB with it, or are the completely separate?

Also, I've heard that you can access the cell phone frequencies and make
phone calls with a ham radio. Could somebody explain how this is done? Is
it possible for anybody with a ham radio or only certain types?

Thanks in advance!

Nick

From -6326137930780512620
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2b77154668b5041
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1164ef,f2b77154668b5041
X-Google-Attributes: gid1164ef,public
X-Google-Thread: 10ed5f,f2b77154668b5041
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,f2b77154668b5041
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-07-16 08:31:46 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newsfeed1.cidera.com!cyclone.tampabay.rr.com!news-
post.tampabay.rr.com!typhoon.tampabay.rr.com.POSTED!not-for-mail
Message-ID: <3B5308DB.4E1BE111@tampabay.rr.com>

From: Dennis Kaylor <k4oxg@tampabay.rr.com>
X-Mailer: Mozilla 4.77 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.amtor,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: CB BANDS ON HAM RADIO?
References: <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 24
Date: Mon, 16 Jul 2001 15:31:44 GMT
NNTP-Posting-Host: 24.92.18.68
X-Complaints-To: abuse@rr.com
X-Trace: typhoon.tampabay.rr.com 995297504 24.92.18.68 (Mon, 16 Jul 2001 11:31:44 EDT)
NNTP-Posting-Date: Mon, 16 Jul 2001 11:31:44 EDT
Organization: RoadRunner - TampaBay
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4951

hey nick
there is no way for a 2 meter radio and a CB radio to commincate a 2 meter radio transmits on 144-148 mhz and CB is on the 27mhz so there is a lot of space between them
as for cell phone calls to my knowledge you can not make cell phone calls with ham radios
there are SOME repeaters that have a phone patch where you can make a local call or to call the 911 operator in case of emergancy but you need a ham license to be legal to do that

"Nicolas (PianoMan) Anbeek" wrote:

> Hello. Could somebody please tell me if it's possible to access the CB
> channels on ham radio? For instance if I have a small 2 meter transceiver
> could I talk to somebody on CB with it, or are the completely separate?
>
> Also, I've heard that you can access the cell phone frequencies and make
> phone calls with a ham radio. Could somebody explain how this is done? Is
> it possible for anybody with a ham radio or only certain types?
>
> Thanks in advance!
>
> Nick

From -4883059446560776853
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6dac3995df8f18d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,c6dac3995df8f18d
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-07-16 13:40:08 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!

newsfeed.direct.ca!look.ca!howland.erols.net!news-out.nntp.airnews.net.MISMATCH!
cabal10.airnews.net!news.airnews.net!cabal1.airnews.net!news-f.iadfw.net!usenet
From: joebramblett@drunkenbard.com (Joe Bramblett)
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: Question: Buy a "mobile" rig or just get an amp for the car for an HT?
Date: Mon, 16 Jul 2001 20:39:26 GMT
Organization: Airnews.net! at Internet America
Lines: 30
Message-ID: <0AD6F07CE254F7DC.9EF867E703A5D60C.46C4CB2FB46453BA@lp.airnews.net>
X-Orig-Message-ID: <3b534ec8.228528406@library.airnews.net>
References: <3B4C69A8.DCED45DB@sunlink.net>
<xEw47.6751$pD1.1222125@nntp2.onemain.com>
Abuse-Reports-To: abuse at airmail.net to report improper postings
NNTP-Proxy-Relay: library1-aux.airnews.net
NNTP-Posting-Time: Mon Jul 16 15:34:50 2001
NNTP-Posting-Host: !\`4P1k-W16i_ok5:@+\EH(XP (Encoded at Airnews!)
X-Newsreader: Forte Free Agent 1.21/32.243
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4960

On Mon, 16 Jul 2001 01:28:02 -0600, "Bob M." <no@nospam.com> wrote:

> Get a mobile. Can you read that 1" high LCD at arm's length, in the day,
> while driving down the road? Not likely. And don't even try at night.

FWIW, Kenwood's got some great displays. Looks like the other mfr's do too, but I'm rapidly becoming a big Kenwood and MFJ fan.

I picked up a very slightly used TM-G707 with the voice synth module in it for $225, and it's almost too easy. The 4-level dimmer makes it easy to see in most conditions, and failing that, the '6' on the mic keypad makes it speak the frequency. I wish it would read off the memory name, too, since I have a few other frequencies monitored that I don't always remember offhand, but maybe that's asking a bit much.

> A mobile radio is much safer, is wired directly to the battery (frees up a
> lighter socket, no wires hanging) and is bolted down. The unanchored HT is
> like a cannonball in a wreck - hope it doesn't hit you.

You might also look into getting an extra case or something to keep the HT in if you're carrying it around in the car. A hard stop can send it bouncing off the glovebox lid, which is really bad for it.

In a pinch, fasten the passenger side seat belt, and clip it onto that with the display against the seat upholstery.

Joe Bramblett, KD5NRH
joebramblett@drunkenbard.com
http://www.drunkenbard.com

From -9095729818484645289

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,2a812777225ff7ab
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,2a812777225ff7ab
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,2a812777225ff7ab
X-Google-Attributes: gid108122,public
X-Google-Thread: fb049,2a812777225ff7ab
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,2a812777225ff7ab
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,2a812777225ff7ab
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,2a812777225ff7ab
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-07-16 14:27:49 PST
Message-ID: <3B535C50.52E6F260@iglou.com>
Date: Mon, 16 Jul 2001 17:27:44 -0400
From: Tom Currie <N4AOF@iglou.com>
X-Mailer: Mozilla 4.5 [en]C-WNS5.0  (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-
uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment
Subject: Re: Help in programming HT
References: <Wpg37.11$7d.3940@newshog.newsread.com> <3B4E1F6C.7AC9C041@iglou.com>
<Mrc47.24$Jv.8038@newshog.newsread.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
NNTP-Posting-Host: lou-ts5-82.iglou.com
X-Original-NNTP-Posting-Host: lou-ts5-82.iglou.com
X-Trace: news.iglou.com 995318866 lou-ts5-82.iglou.com (16 Jul 2001 17:27:46
-0400)
Lines: 41
X-Original-NNTP-Posting-Host: 204.255.238.96
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!howland.erols.net!portc.blue.aol.com.MISMATCH!
portc01.blue.aol.com!uunet!dca.uu.net!ash.uu.net!news.iglou.com
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4963 rec.radio.amateur:1819
rec.radio.amateur.equipment:15837
```

```
>>> Is there anyone out there that has better instructions for programming
>>> the Heath HW24HT dual band HT?  The manual I have is so damned confusing!
>> They were a great radio in their day.  But yes, the radio is a bit
>> tricky to program.  Plan on keeping the manual with you if you expect to
>> do anything more complicated than picking from among the channels you
>> already programmed in.
>>
>> As I recall the radio and the manual, it really wasn't a bad manual, it
>> is just that the radio itself was a bit tricky -- when Standard designed
>> the HW24HT it had features that no one else offered yet and you really
>> did need to follow the directions step by step to get it set up
>> properly.  But, at least as I remember mine, it really did work if you
```

>> sat down at a table with the radio and the manual; looked up each thing
>> you wanted to program, and followed the steps. The steps were correct
>> (more than I can say for several radios today) but the sections of the
>> manual were not always in the order that a person would want to do
>> them. I'd suggest reading through the manual to get an idea of what you
>> can do and where each thing is in the manual. Then decide what you want
>> to do (probably program the memory channels) and work through it by
>> looking up the steps you need.
> Actually aside from the battery going south..... the radio is in almost
> perfect order!!!

No sweat. The battery shell is glued together pretty lightly (unless
someone has messed with it). You can run a utility knife around the
seam several times and gradually work through it. The cells themselves
are standard NiCads and pretty easy to replace.

> need to figure out the steps involved in order to program it, set PL tones
> etc... just like I do on my other HT and mobile rig. I am comfortable now
> with both my Icom HT and my Radio Shack mobile to the point I could operate
> the damned things blind. (except for knowing what frequency I would be on
> in VFO mode)

An HW24HT was my primary rig for over a decade. I could work it one
handed without looking, but programming it was something I sat down at a
table to do, with the manual in hand. Once it's programmed, it is
pretty easy to use (once you get used to the keypad layout) but I never
did find any easy logical ways to program it.

73 de N4AOF

From 5741517744582433456
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1164ef,f2b77154668b5041
X-Google-Attributes: gid1164ef,public
X-Google-Thread: fb049,f2b77154668b5041
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10c9e3,f2b77154668b5041
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,f2b77154668b5041
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-07-16 15:58:56 PST
Message-ID: <3B5371A6.F7F41B60@iglou.com>
Date: Mon, 16 Jul 2001 18:58:46 -0400
From: Tom Currie <N4AOF@iglou.com>
X-Mailer: Mozilla 4.5 [en]C-WNS5.0 (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.amtor,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: CB BANDS ON HAM RADIO?
References: <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

```
NNTP-Posting-Host: lou-ts5-82.iglou.com
X-Original-NNTP-Posting-Host: lou-ts5-82.iglou.com
X-Trace: news.iglou.com 995324328 lou-ts5-82.iglou.com (16 Jul 2001 18:58:48
-0400)
Lines: 15
X-Original-NNTP-Posting-Host: 204.255.238.96
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!wn1feed!wn3feed!worldnet.att.net!198.6.0.7!uunet!
ash.uu.net!news.iglou.com
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4966

"Nicolas (PianoMan) Anbeek" wrote:
>
> Hello.  Could somebody please tell me if it's possible to access the CB
> channels on ham radio?  For instance if I have a small 2 meter transceiver
> could I talk to somebody on CB with it, or are the completely separate?

Since you don't have a ham radio license, what are you doing with "a
small 2 meter transceiver"?

> Also, I've heard that you can access the cell phone frequencies and make
> phone calls with a ham radio.  Could somebody explain how this is done?

The first step is to get a ham radio license.  This requires learning a
little about the rules and a little about the technology. The tests
aren't hard but they do require a little bit of time and effort.


From -6467415886432158969
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6dac3995df8f18d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,c6dac3995df8f18d
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-07-16 16:13:25 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!ptdnetT!newsgateT.ptd.net!ptdnetS!newsgate.ptd.net!
nnrp1.ptd.net.POSTED!not-for-mail
Message-ID: <3B5373E3.4ADC5ED7@ptd.net>
From: Josh Sponenberg <Sponge14@ptd.net>
Reply-To: Sponge14@ptd.net
X-Mailer: Mozilla 4.72 [en] (Win95; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: Question: Buy a "mobile" rig or just get an amp for the car for an
 HT?
References: <3B4C69A8.DCED45DB@sunlink.net>
<xEw47.6751$pD1.1222125@nntp2.onemain.com>
<0AD6F07CE254F7DC.9EF867E703A5D60C.46C4CB2FB46453BA@lp.airnews.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 40
```

```
Date: Mon, 16 Jul 2001 23:18:29 GMT
NNTP-Posting-Host: 24.229.70.106
X-Complaints-To: abuse@ptd.net
X-Trace: nnrp1.ptd.net 995325509 24.229.70.106 (Mon, 16 Jul 2001 19:18:29 EDT)
NNTP-Posting-Date: Mon, 16 Jul 2001 19:18:29 EDT
Organization: PenTeleData http://www.ptd.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4967

Joe Bramblett wrote:
>
> On Mon, 16 Jul 2001 01:28:02 -0600, "Bob M." <no@nospam.com> wrote:
>
> >Get a mobile.  Can you read that 1" high LCD at arm's length, in the day,
> >while driving down the road? Not likely.  And don't even try at night.
>
> FWIW, Kenwood's got some great displays.  Looks like the other mfr's
> do too, but I'm rapidly becoming a big Kenwood and MFJ fan.
>
> I picked up a very slightly used TM-G707 with the voice synth module
> in it for $225, and it's almost too easy.  The 4-level dimmer makes it
> easy to see in most conditions, and failing that, the '6' on the mic
> keypad makes it speak the frequency.  I wish it would read off the
> memory name, too, since I have a few other frequencies monitored that
> I don't always remember offhand, but maybe that's asking a bit much.
>
> >A mobile radio is much safer, is wired directly to the battery (frees up a
> >lighter socket, no wires hanging) and is bolted down. The unanchored HT is
> >like a cannonball in a wreck - hope it doesn't hit you.
>
> You might also look into getting an extra case or something to keep
> the HT in if you're carrying it around in the car.  A hard stop can
> send it bouncing off the glovebox lid, which is really bad for it.
>
> In a pinch, fasten the passenger side seat belt, and clip it onto that
> with the display against the seat upholstery.

I modified a large semirigid plastic cup with some squirt in foam
insulation and my dremel to make a nice little harness for the radio
with a velcro strap on it... sits in the cupholder pretty well.   just
lettign others know some odd ways of doing things.. ;-)

73 DE KB3GUF



>
> Joe Bramblett, KD5NRH
> joebramblett@drunkenbard.com
> http://www.drunkenbard.com


From -8830726702350241549
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2b77154668b5041
```

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,f2b77154668b5041
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 1164ef,f2b77154668b5041
X-Google-Attributes: gid1164ef,public
X-Google-Thread: fb049,f2b77154668b5041
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-07-16 19:04:50 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!newsfeed.direct.ca!look.ca!newsfeed1.earthlink.net!newsfeed.earthlink.net!newsmaster1.prod.itd.earthlink.net!newsread1.prod.itd.earthlink.net.POSTED!not-for-mail
From: "Daniel Prather" <cyran@knology.net>
Subject: Re: CB BANDS ON HAM RADIO?
Newsgroups: alt.ham-radio,alt.ham-radio.amtor,alt.ham-radio.vhf-uhf,rec.ham-radio
Reply-To: cyran@knology.net
References: <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>
User-Agent: Pan/0.9.7 (Unix)
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-No-Productlinks: Yes
Lines: 24
Message-ID: <Z2N47.11663$JS2.1119454@newsread1.prod.itd.earthlink.net>
Date: Tue, 17 Jul 2001 02:04:41 GMT
NNTP-Posting-Host: 158.252.74.31
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread1.prod.itd.earthlink.net 995335481 158.252.74.31 (Mon, 16 Jul 2001 19:04:41 PDT)
NNTP-Posting-Date: Mon, 16 Jul 2001 19:04:41 PDT
Organization: EarthLink Inc. -- http://www.EarthLink.net
X-Received-Date: Mon, 16 Jul 2001 19:02:21 PDT (newsmaster1.prod.itd.earthlink.net)
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4969

Well, as a few others have already said. It's not possible for a 2 meter transceiver to transmit on CB bands. Not to mention the fact that, if my memory serves me correctly, any ham equipment (such as a 10 meter radio) modified to work on CB bands is not legal, since it hasn't been certified by the FCC to work on those frequencies.

In article <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>, "Nicolas \(PianoMan\) Anbeek" <illcryinstead@home.com> wrote:

> Hello. Could somebody please tell me if it's possible to access the CB channels on ham radio? For instance if I have a small 2 meter transceiver could I talk to somebody on CB with it, or are the completely separate?
>
> Also, I've heard that you can access the cell phone frequencies and make phone calls with a ham radio. Could somebody explain how this is done? Is it possible for anybody with a ham radio or only certain types?

>
> Thanks in advance!
>
> Nick
>
>

```
From -1640689853838401850
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2b77154668b5041
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,f2b77154668b5041
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 1164ef,f2b77154668b5041
X-Google-Attributes: gid1164ef,public
X-Google-Thread: fb049,f2b77154668b5041
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-07-16 20:09:56 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newsxfer.visi.net!204.186.200.232.MISMATCH!ptdnetT!
newsgateT.ptd.net!ptdnetS!newsgate.ptd.net!nnrp1.ptd.net.POSTED!not-for-mail
Message-ID: <3B53AB54.385D36D8@ptd.net>
From: Josh Sponenberg <Sponge14@ptd.net>
Reply-To: Sponge14@ptd.net
X-Mailer: Mozilla 4.72 [en] (Win95; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.amtor,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: CB BANDS ON HAM RADIO?
References: <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>
<Z2N47.11663$JS2.1119454@newsread1.prod.itd.earthlink.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 29
Date: Tue, 17 Jul 2001 03:15:02 GMT
NNTP-Posting-Host: 24.229.70.106
X-Complaints-To: abuse@ptd.net
X-Trace: nnrp1.ptd.net 995339702 24.229.70.106 (Mon, 16 Jul 2001 23:15:02 EDT)
NNTP-Posting-Date: Mon, 16 Jul 2001 23:15:02 EDT
Organization: PenTeleData http://www.ptd.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4971
```

along those lines... what about the FRS frequencies? does one still have to give station ID on the frs frequencies if using modified/wideband ham equipment?

Daniel Prather wrote:
>
> Well, as a few others have already said. It's not possible for a 2
> meter transceiver to transmit on CB bands. Not to mention the fact that,
> if my memory serves me correctly, any ham equipment (such as a 10 meter
> radio) modified to work on CB bands is not legal, since it hasn't been

```
> certified by the FCC to work on those frequencies.
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> \(PianoMan\) Anbeek" <illcryinstead@home.com> wrote:
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> > transceiver could I talk to somebody on CB with it, or are the
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> >
> > Also, I've heard that you can access the cell phone frequencies and make
> > phone calls with a ham radio.  Could somebody explain how this is done?
> > Is it possible for anybody with a ham radio or only certain types?
> >
> > Thanks in advance!
> >
> > Nick
> >
> >


From 773601073664280563
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2b77154668b5041
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1164ef,f2b77154668b5041
X-Google-Attributes: gid1164ef,public
X-Google-Thread: fb049,f2b77154668b5041
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,f2b77154668b5041
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-07-16 21:16:24 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!isdnet!
news.stealth.net!jfk3-feed1.news.digex.net!dca6-feed2.news.digex.net!intermedia!
newsfeed1.cidera.com!news.inreach.com!not-for-mail
Message-ID: <3B53BACA.D247179@inreach.com>
From: "William F. Hagen" <whagen@inreach.com>
Reply-To: whagen@inreach.com
Organization: chaos
X-Mailer: Mozilla 4.06 [en]C-compaq  (Win98; I)
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.amtor,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: CB BANDS ON HAM RADIO?
References: <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>
<Z2N47.11663$JS2.1119454@newsread1.prod.itd.earthlink.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 42
Date: Mon, 16 Jul 2001 21:10:50 -0700
NNTP-Posting-Host: 208.25.58.69
X-Trace: news.inreach.com 995343107 208.25.58.69 (Mon, 16 Jul 2001 21:11:47 PDT)
NNTP-Posting-Date: Mon, 16 Jul 2001 21:11:47 PDT
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4976
```

Always an interesting question for those that are interested, but dont
know the rules.
To work on the cb bands, equipment must be'type accepted' by the FCC,
and currently there are not ham equipment that is also type accepted for
the CB bands. However, there is lots of older equipment that can do
both, as at one time the CB band was a ham band, and for instance, A
Yaesu FT101B etc can access the cb bands. Is it still type accepted to
to do that? I dont know the answer to that. Same thing for the Cell
phone bands, it is now illegal to listen with anything but a cell phone
being used properly. However, there are lots of scanners that will do
the job, not to mention a bunch of old television sets.
Anyway, the real question is:
Why Bother!
Get a cb radio to work cb,
get a cell phone and call whomever you want.

Daniel Prather wrote:
>
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> meter transceiver to transmit on CB bands. Not to mention the fact that,
> if my memory serves me correctly, any ham equipment (such as a 10 meter
> radio) modified to work on CB bands is not legal, since it hasn't been
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>
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>
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> >
> > Nick
> >
> >

From -2189092988562835116
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2b77154668b5041
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,f2b77154668b5041
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 1164ef,f2b77154668b5041
X-Google-Attributes: gid1164ef,public

X-Google-Thread: fb049,f2b77154668b5041
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-07-17 03:45:04 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newsfeed1.earthlink.net!newsfeed.earthlink.net!
newsmaster1.prod.itd.earthlink.net!newsread2.prod.itd.earthlink.net.POSTED!not-for-mail
Reply-To: "Eric Christensen" <kf4otn@earthlink.net>
From: "Eric Christensen" <kf4otn@earthlink.net>
Newsgroups: alt.ham-radio,alt.ham-radio.amtor,alt.ham-radio.vhf-uhf,rec.ham-radio
References: <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>
<Z2N47.11663$JS2.1119454@newsread1.prod.itd.earthlink.net>
<3B53AB54.385D36D8@ptd.net>
Subject: Re: CB BANDS ON HAM RADIO?
Lines: 53
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <XGU47.403$yE1.62141@newsread2.prod.itd.earthlink.net>
Date: Tue, 17 Jul 2001 10:45:11 GMT
NNTP-Posting-Host: 206.133.80.96
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread2.prod.itd.earthlink.net 995366711 206.133.80.96 (Tue, 17 Jul 2001 03:45:11 PDT)
NNTP-Posting-Date: Tue, 17 Jul 2001 03:45:11 PDT
Organization: EarthLink Inc. -- http://www.EarthLink.net
X-Received-Date: Tue, 17 Jul 2001 03:42:34 PDT
(newsmaster1.prod.itd.earthlink.net)
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4979

On FRS frequencies, amateur radio gear is, again, not a legal choice.
FRS was approved for transmitters with a VERY low wattage (less than
one watt?) and must meet commercial requirements. There aren't any
station IDs with FRS being that they are itinerate frequencies.
Remember, utilizing modified amateur radio equipment is ILLEGAL and
can get you into hot water as some of the folks around here found
out!

"Josh Sponenberg" <Sponge14@ptd.net> wrote in message
news:3B53AB54.385D36D8@ptd.net...
along those lines... what about the FRS frequencies? does one still
have
to give station ID on the frs frequencies if using modified/wideband
ham
equipment?

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>
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```
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meter
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been
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>
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> > completely separate?
> >
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> > Is it possible for anybody with a ham radio or only certain
types?
> >
> > Thanks in advance!
> >
> > Nick
> >
> >




From -3336384491386956143
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2b77154668b5041
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1164ef,f2b77154668b5041
X-Google-Attributes: gid1164ef,public
X-Google-Thread: 10ed5f,f2b77154668b5041
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,f2b77154668b5041
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-07-17 04:08:40 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!news.home.com!
news3.rdc1.on.home.com.POSTED!not-for-mail
From: "Nicolas \(PianoMan\) Anbeek" <illcryinstead@home.com>
Newsgroups: alt.ham-radio,alt.ham-radio.amtor,alt.ham-radio.vhf-uhf,rec.ham-radio
References: <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>
<3B5371A6.F7F41B60@iglou.com>
Subject: Re: CB BANDS ON HAM RADIO?
Lines: 12
```

```
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <X0V47.199342$Mf5.54778068@news3.rdc1.on.home.com>
Date: Tue, 17 Jul 2001 11:08:39 GMT
NNTP-Posting-Host: 24.157.131.138
X-Complaints-To: abuse@home.net
X-Trace: news3.rdc1.on.home.com 995368119 24.157.131.138 (Tue, 17 Jul 2001
04:08:39 PDT)
NNTP-Posting-Date: Tue, 17 Jul 2001 04:08:39 PDT
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4981

> > channels on ham radio?  For instance if I have a small 2 meter
transceiver
> > could I talk to somebody on CB with it, or are the completely separate?
>
> Since you don't have a ham radio license, what are you doing with "a
> small 2 meter transceiver"?

Perhaps you missed the "IF I have a small..."  I don't have one, I was
simply asking for interest because when I finish up some university courses
I plan on studying for my amt. license.




From 8723125823313672423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6dac3995df8f18d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,c6dac3995df8f18d
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-07-17 07:59:58 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!isdnet!
howland.erols.net!news-out.nntp.airnews.net.MISMATCH!cabal10.airnews.net!
news.airnews.net!cabal1.airnews.net!news-f.iadfw.net!usenet
From: "Joe Bramblett, KD5NRH" <joebramblett@drunkenbard.com>
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: Question: Buy a "mobile" rig or just get an amp for the car for an
HT?
Date: Tue, 17 Jul 2001 10:00:06 -0500
Organization: The Drunken Bard
Lines: 27
Message-ID: <31DD9F0F0521D46D.1C16FE33A4BC58A0.2DB7686C30BF9052@lp.airnews.net>
X-Orig-Message-ID: <9dk8ltk0358hvaib7e3607i99bp6301h5a@4ax.com>
References: <3B4C69A8.DCED45DB@sunlink.net> <3B4E1C8F.2E4D4C6D@iglou.com>
Abuse-Reports-To: abuse at airmail.net to report improper postings
NNTP-Proxy-Relay: library2.airnews.net
NNTP-Posting-Time: Tue Jul 17 09:58:25 2001
NNTP-Posting-Host: !]O1+1k-Y&pBiu89fmH4?koX@ (Encoded at Airnews!)
Mime-Version: 1.0
```

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Newsreader: Forte Agent a1.8/32.548
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4982

On Thu, 12 Jul 2001 17:54:23 -0400, Tom Currie <N4AOF@iglou.com>
wrote:

>I don't know of a readily available antenna that does 6m AND either of
>the other bands, but there are plenty of 2m/440MHz "dual band" antennas
>available.

ISTR seeing a 6/2 mobile antenna at Texas Towers. At any rate, it was 6 and something else that wasn't HF. This was in their store, so you might call them and ask.

>Several of us around here have had good luck with assorted
>brands of dual-band thru-glass antennas.

I still have one, but it's not hooked up, since the inside part keeps falling off in the 100+ heat.

>Don't overlook the possibility of getting a used mobile rig - often
>considerably cheaper than a new rig.

So far, I've bought all my radios except the first HT used. Got them in great shape, and saved a lot.

Joe Bramblett, KD5NRH
joebramblett@drunkenbard.com
http://www.drunkenbard.com

From 5805944556053787037
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2b77154668b5041
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1164ef,f2b77154668b5041
X-Google-Attributes: gid1164ef,public
X-Google-Thread: fb049,f2b77154668b5041
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,f2b77154668b5041
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-07-17 09:00:15 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!sn-post-01!supernews.com!corp.supernews.com!ralloway!root
From: "N3WWN" <n3wwn@futuretek.cx>
Newsgroups: alt.ham-radio,alt.ham-radio.amtor,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: CB BANDS ON HAM RADIO?
Date: Tue, 17 Jul 2001 11:57:52 +0400
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <1an1j9.pbn.ln@ns2.ecommanagement.com>

References: <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>
<Z2N47.11663$JS2.1119454@newsread1.prod.itd.earthlink.net>
<3B53AB54.385D36D8@ptd.net>
User-Agent: Pan/0.9 (Unix)
X-No-Productlinks: Yes
X-Complaints-To: newsabuse@supernews.com
Lines: 54
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4983

I'm assuming you're talking about a ham radio HT with FRS ability. It would probably be a bad idea to use your callsign on FRS for the simple reason that people may think you're using a FRS radio tied into a ham radio, whether you are making this connection or not. This type of interconnection between radios is illegal since any modification made to a FRS radio or antenna immediately voids the FCC license for that radio to operate on the FRS frequencies.

FRS does not require a license and therefore does not require any type of ID, callsign, etc.

Essentially, to sum up: If you're using a frequency in the amateur band, you must use your amateur callsign. If you're using a citizens band (be it 27MHz or 460MHz) you are not required to ID and using your amateur radio callsign here is probably a bad idea.

73,

-Rich
N3WWN

In article <3B53AB54.385D36D8@ptd.net>, "Josh Sponenberg" <Sponge14@ptd.net> wrote:

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> equipment?
>
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>>
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>> meter radio) modified to work on CB bands is not legal, since it hasn't
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>>
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>> \(PianoMan\) Anbeek" <illcryinstead@home.com> wrote:
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>> > completely separate?
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```
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>> > types?
>> >
>> > Thanks in advance!
>> >
>> > Nick
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>> >


From 5447972364486660302
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2b77154668b5041
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1164ef,f2b77154668b5041
X-Google-Attributes: gid1164ef,public
X-Google-Thread: fb049,f2b77154668b5041
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,f2b77154668b5041
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-07-17 09:43:03 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!sn-post-02!sn-post-01!
supernews.com!corp.supernews.com!not-for-mail
From: "Leland C. Scott" <no-spam@junk-mail.net>
Newsgroups: alt.ham-radio,alt.ham-radio.amtor,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: CB BANDS ON HAM RADIO?
Date: Tue, 17 Jul 2001 12:42:45 -0400
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <tl8qolpqp5q95b@corp.supernews.com>
References: <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>
<3B5308DB.4E1BE111@tampabay.rr.com>
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
X-Complaints-To: newsabuse@supernews.com
Lines: 30
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4986


"Dennis Kaylor" <k4oxg@tampabay.rr.com> wrote in message
news:3B5308DB.4E1BE111@tampabay.rr.com...
> hey nick
> there is no way for a 2 meter radio and a CB radio to commincate a 2 meter
> radio transmits on 144-148 mhz and CB is on the 27mhz  so there is a lot
of
> space between them
> as for cell phone calls to my knowledge  you can not make cell phone calls
> with  ham radios
> there are SOME  repeaters that have a phone patch where you can make a
local
```

> call or to call the 911 operator in case of emergancy but you need a ham
> license to be legal to do that

In some countries they have what is called PMR rigs for CB. I think these
operate around the Ham 70cm band on FM. So in that case it could be done.
The poster didn't say what country he lived in.

--
Leland C. Scott
KC8LDO

Saw this on a Tee-shirt:

"I am a bomb technician. If you see
 me running, try to keep up. "

From -9217238423708813203
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2b77154668b5041
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1164ef,f2b77154668b5041
X-Google-Attributes: gid1164ef,public
X-Google-Thread: fb049,f2b77154668b5041
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,f2b77154668b5041
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-07-17 14:49:29 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newsfeed1.earthlink.net!newsfeed2.earthlink.net!
newsfeed.earthlink.net!news.mindspring.net!not-for-mail
From: "N4IXT" <n4ixt@mindspring.com>
Newsgroups: alt.ham-radio,alt.ham-radio.amtor,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: CB BANDS ON HAM RADIO?
Date: Tue, 17 Jul 2001 16:51:06 -0500
Organization: MindSpring Enterprises
Lines: 49
Message-ID: <9j2bru$51i$1@slb1.atl.mindspring.net>
References: <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>
NNTP-Posting-Host: a5.79.e4.77
X-Server-Date: 17 Jul 2001 21:48:46 GMT
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4989

Well, as most folks have made it clear, you can't talk from CB to Ham. Just
not legal. So, I won't cover that again.

Also, you cannot access the cell phone frequencies from a ham radio. However, you CAN make phone calls, under certain conditions. I think this is what you may have seen done. You see, on the 2 meter band it is quite common to use something called a "repeater". A repeater usually sits on a big hill, and listens for incoming transmissions. It then takes those incoming transmissions and rebroadcasts them, usually at a high power. This is very handy, as it lets a ham talk over a much greater range to another ham.

Where I live, there's a lot of mountains, and on one of the mountains is a repeater. Using this, I can be on one side of the mtn, and talk to someone on the other side, a task I could not normally do trying to talk directly.

OK, back to the phones. Some repeaters have a regular telephone line tied into them. Using a special set of codes (each repeater is different) you can have the repeater dial a phone number for you, and make a brief phone call to someone. I use it sometimes, when I get caught in traffic to let my wife know I'm running late or something similar.

This function is known as an "autopatch", and is probably what you are thinking of. Not all repeaters have autopatches, and many that do restrict their use to club members and the like. However, they are quite handy, as long as they are not abused.

Good luck getting your license, I've had great fun since getting mine, wish I'd done it 20 years earlier.

Robert / N4IXT

"Nicolas (PianoMan) Anbeek" <illcryinstead@home.com> wrote in message
news:1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com...
> Hello. Could somebody please tell me if it's possible to access the CB
> channels on ham radio? For instance if I have a small 2 meter transceiver
> could I talk to somebody on CB with it, or are the completely separate?
>
> Also, I've heard that you can access the cell phone frequencies and make
> phone calls with a ham radio. Could somebody explain how this is done?
Is
> it possible for anybody with a ham radio or only certain types?
>
> Thanks in advance!
>
> Nick
>
>

From -814089149944058082
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2b77154668b5041
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1164ef,f2b77154668b5041

X-Google-Attributes: gid1164ef,public
X-Google-Thread: fb049,f2b77154668b5041
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,f2b77154668b5041
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-07-17 15:08:54 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!news.tele.dk!194.25.134.62!newsfeed00.sul.t-online.de!
t-online.de!newscore.gigabell.net!ptdnetT!newsgateT.ptd.net!ptdnetS!
newsgate.ptd.net!nnrp1.ptd.net.POSTED!not-for-mail
Message-ID: <3B54B63C.EBD8E53@ptd.net>
From: Josh Sponenberg <Sponge14@ptd.net>
Reply-To: Sponge14@ptd.net
X-Mailer: Mozilla 4.72 [en] (Win95; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.amtor,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: CB BANDS ON HAM RADIO?
References: <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>
<Z2N47.11663$JS2.1119454@newsread1.prod.itd.earthlink.net>
<3B53AB54.385D36D8@ptd.net> <1an1j9.pbn.ln@ns2.ecommanagement.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 60
Date: Tue, 17 Jul 2001 22:13:50 GMT
NNTP-Posting-Host: 24.229.70.106
X-Complaints-To: abuse@ptd.net
X-Trace: nnrp1.ptd.net 995408030 24.229.70.106 (Tue, 17 Jul 2001 18:13:50 EDT)
NNTP-Posting-Date: Tue, 17 Jul 2001 18:13:50 EDT
Organization: PenTeleData http://www.ptd.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4990

well i meant... if i am using ham radio to communicate with a friend with an FRS radio (just sync the DCS/CTCSS tones up)....... its not "FRS" equipment.. so its not legal eh?

N3WWN wrote:

> I'm assuming you're talking about a ham radio HT with FRS ability. It would probably be a bad idea to use your callsign on FRS for the simple reason that people may think you're using a FRS radio tied into a ham radio, whether you are making this connection or not. This type of interconnection between radios is illegal since any modification made to a FRS radio or antenna immediately voids the FCC license for that radio to operate on the FRS frequencies.
>
> FRS does not require a license and therefore does not require any type of ID, callsign, etc.
>
> Essentially, to sum up: If you're using a frequency in the amateur band, you must use your amateur callsign. If you're using a citizens band (be it 27MHz or 460MHz) you are not required to ID and using your amateur radio callsign here is probably a bad idea.

```
>
> 73,
>
> -Rich
>   N3WWN
>
> In article <3B53AB54.385D36D8@ptd.net>, "Josh Sponenberg"
> <Sponge14@ptd.net> wrote:
>
> > along those lines... what about the FRS frequencies? does one still have
> > to give station ID on the frs frequencies if using modified/wideband ham
> > equipment?
> >
> > Daniel Prather wrote:
> >>
> >> Well, as a few others have already said.  It's not possible for a 2
> >> meter transceiver to transmit on CB bands.  Not to mention the fact
> >> that, if my memory serves me correctly, any ham equipment (such as a 10
> >> meter radio) modified to work on CB bands is not legal, since it hasn't
> >> been certified by the FCC to work on those frequencies.
> >>
> >> In article <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>, "Nicolas
> >> \(PianoMan\) Anbeek" <illcryinstead@home.com> wrote:
> >>
> >> > Hello.  Could somebody please tell me if it's possible to access the
> >> > CB channels on ham radio?  For instance if I have a small 2 meter
> >> > transceiver could I talk to somebody on CB with it, or are the
> >> > completely separate?
> >> >
> >> > Also, I've heard that you can access the cell phone frequencies and
> >> > make phone calls with a ham radio.  Could somebody explain how this
> >> > is done? Is it possible for anybody with a ham radio or only certain
> >> > types?
> >> >
> >> > Thanks in advance!
> >> >
> >> > Nick
> >> >
> >> >


From -2324503811144107514
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2b77154668b5041
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,f2b77154668b5041
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1164ef,f2b77154668b5041
X-Google-Attributes: gid1164ef,public
X-Google-Thread: 10ed5f,f2b77154668b5041
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-07-17 16:34:21 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
```

newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!news.home.com!cyclone-sjo1.usenetserver.com!news-out-sjo.usenetserver.com!e420r-sjo4.usenetserver.com!newsfeed.usenetserver.com!e420r-atl1.usenetserver.com.POSTED!not-for-mail
From: "Drink, WP3JQ" <NOSPAMdrink@coqui.net>
Newsgroups: alt.ham-radio,alt.ham-radio.amtor,alt.ham-radio.vhf-uhf,rec.ham-radio
References: <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com> <Z2N47.11663$JS2.1119454@newsread1.prod.itd.earthlink.net> <3B53AB54.385D36D8@ptd.net> <1an1j9.pbn.ln@ns2.ecommanagement.com> <3B54B63C.EBD8E53@ptd.net>
Subject: Re: CB BANDS ON HAM RADIO?
Lines: 87
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <3V357.27850$d4.780444@e420r-atl1.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Tue, 17 Jul 2001 19:31:11 EDT
Organization: WebUseNet Corp. - "ReInventing The UseNet"
Date: Tue, 17 Jul 2001 07:34:20 -0400
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4991

Let's talk hypothetically for a second.

Type acceptance; okay. So this infers that it's illegal to homebrew a CB radio (that you must purchase commercially)?

It should be clear to all that 11m isn't a ham band and the only priveleges you'd enjoy are those available to any CBer/FRSer. But, I would've opined that, regardless of equipment, you'd comport yourself like other users as long as you operated within the defined limits of the band (i.e. PEP, bandwidth, modulation, assigned frequencies, spurious emission, etc).

This sounds like it's reasonable and in accord with the spirit and intent so as not to infringe on other operator's priveleges.

Looking from the other side, what about modifying a CB with SSB for 10m?

73,
Drink, WP3JQ
"Josh Sponenberg" <Sponge14@ptd.net> wrote in message
news:3B54B63C.EBD8E53@ptd.net...
> well i meant... if i am using ham radio to communicate with a friend
> with an FRS radio (just sync the DCS/CTCSS tones up)....... its not
> "FRS" equipment.. so its not legal eh?
>
> N3WWN wrote:
> >
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> > would probably be a bad idea to use your callsign on FRS for the simple
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> > radio, whether you are making this connection or not.   This type of
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> >
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> >
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band,
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> > radio callsign here is probably a bad idea.
> >
> > 73,
> >
> > -Rich
> >   N3WWN
> >
> > In article <3B53AB54.385D36D8@ptd.net>, "Josh Sponenberg"
> > <Sponge14@ptd.net> wrote:
> >
> > > along those lines... what about the FRS frequencies? does one still
have
> > > to give station ID on the frs frequencies if using modified/wideband
ham
> > > equipment?
> > >
> > > Daniel Prather wrote:
> > >>
> > >> Well, as a few others have already said. It's not possible for a 2
> > >> meter transceiver to transmit on CB bands. Not to mention the fact
> > >> that, if my memory serves me correctly, any ham equipment (such as a
10
> > >> meter radio) modified to work on CB bands is not legal, since it
hasn't
> > >> been certified by the FCC to work on those frequencies.
> > >>
> > >> In article <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>,
"Nicolas
> > >> \(PianoMan\) Anbeek" <illcryinstead@home.com> wrote:
> > >>
> > >> > Hello. Could somebody please tell me if it's possible to access
the
> > >> > CB channels on ham radio? For instance if I have a small 2 meter
> > >> > transceiver could I talk to somebody on CB with it, or are the
> > >> > completely separate?
> > >> >
> > >> > Also, I've heard that you can access the cell phone frequencies and
> > >> > make phone calls with a ham radio. Could somebody explain how this
> > >> > is done? Is it possible for anybody with a ham radio or only
certain
> > >> > types?
> > >> >
> > >> > Thanks in advance!
> > >> >

```
> > >> > Nick
> > >> >
> > >> >
```

```
From 6620630546307573219
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fc734,ba5d8e40caaed12d,start
X-Google-Attributes: gidfc734,public
X-Google-Thread: 10c9e3,ba5d8e40caaed12d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,ba5d8e40caaed12d,start
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2001-07-17 23:45:08 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!sn-xit-03!supernews.com!
news-out.visi.com!hermes.visi.com!nycmny1-snh1.gtei.net!paloalto-snf1.gtei.net!
news.gtei.net!webtv.net!not-for-mail
From: sir-dan@webtv.net (danny)
Newsgroups: alt.ham-radio.hf,rec.ham-radio,alt.ham-radio.ssb
Subject: Which HF Rig??
Date: Tue, 17 Jul 2001 23:13:11 -0700 (PDT)
Organization: WebTV Subscriber
Lines: 16
Message-ID: <9236-3B5528F7-129@storefull-122.iap.bryant.webtv.net>
NNTP-Posting-Host: localhost.webtv.net
Mime-Version: 1.0 (WebTV)
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
X-WebTV-Signature: 1
     ETAsAhRlkOq1LKEi5/IPGJP6WFtdQ2O6BgIUWHhLY/oYDfeZFDYojDx/V/0DBRo=
Content-Disposition: Inline
Xref: archiver1.google.com alt.ham-radio.hf:879
```

Brought my TS430 to Kenwood for repairs....looking at getting a new
radio & using the 430 as my spare...

Which radio do u recommend?

Kenwood 570? 2000?

Icom 756, 775? 756PRO??

Any others?

Which have the built in keyer, tuner, DSP? I like the activity display
on the Icom...

If ur selling one, plz let me know, too...I'm in Los Angeles

```
From 5821855645770744933
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fc734,ba5d8e40caaed12d
X-Google-Attributes: gidfc734,public
X-Google-Thread: 10c9e3,ba5d8e40caaed12d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,ba5d8e40caaed12d
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2001-07-18 00:24:52 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!news.home.com!
news1.rdc1.sfba.home.com.POSTED!not-for-mail
From: "Tom" <ki0pa@yahoo.com>
Newsgroups: alt.ham-radio.hf,rec.ham-radio,alt.ham-radio.ssb
References: <9236-3B5528F7-129@storefull-122.iap.bryant.webtv.net>
Subject: Re: Which HF Rig??
Lines: 23
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2462.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2462.0000
Message-ID: <7Ra57.223242$%i7.126180279@news1.rdc1.sfba.home.com>
Date: Wed, 18 Jul 2001 07:24:51 GMT
NNTP-Posting-Host: 24.16.3.82
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.sfba.home.com 995441091 24.16.3.82 (Wed, 18 Jul 2001 00:24:51
PDT)
NNTP-Posting-Date: Wed, 18 Jul 2001 00:24:51 PDT
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com alt.ham-radio.hf:880

icom 746 is a nice radio too.

Tom    ki0pa


> Brought my TS430 to Kenwood for repairs....looking at getting a new
> radio & using the 430 as my spare...
>
> Which radio do u recommend?
>
> Kenwood 570? 2000?
>
> Icom 756, 775? 756PRO??
>
> Any others?
>
> Which have the built in keyer, tuner, DSP?  I like the activity display
> on the Icom...
>
> If ur selling one, plz let me know, too...I'm in Los Angeles
>
```

From 3292986531808866151
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fc734,ba5d8e40caaed12d
X-Google-Attributes: gidfc734,public
X-Google-Thread: 10c9e3,ba5d8e40caaed12d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,ba5d8e40caaed12d
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2001-07-18 07:02:00 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!newsfeed.direct.ca!look.ca!sunqbc.risq.qc.ca!News.Dal.Ca!sapphire.mtt.net!not-for-mail
Message-ID: <3B559806.D818E63@mvosprey.com>
From: Scott Nichols <snichols@mvosprey.com>
X-Mailer: Mozilla 4.75 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.hf,rec.ham-radio,alt.ham-radio.ssb
Subject: Re: Which HF Rig??
References: <9236-3B5528F7-129@storefull-122.iap.bryant.webtv.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 28
Date: Wed, 18 Jul 2001 14:01:56 GMT
NNTP-Posting-Host: 142.176.151.98
X-Trace: sapphire.mtt.net 995464916 142.176.151.98 (Wed, 18 Jul 2001 11:01:56 ADT)
NNTP-Posting-Date: Wed, 18 Jul 2001 11:01:56 ADT
Organization: Business Internet
Xref: archiver1.google.com alt.ham-radio.hf:882

You are forgetting one obvious choice...The Yaesu FT1000 MP (or MP mark V)...Has built in keyer, tuner, EDSP, power supply (orig MP) and scads more...I've used them all in the last 25 years and the 1000MP is by far my favourite...No activity display though, if that's what you're looking for...Also depends on the type of hamming you do...I like contesting and chasing DX...1000MP is the favourite amongst this group...Other rigs may better suit your interests...That's my 2 cents worth...

Scott, VE1OP

danny wrote:

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> radio & using the 430 as my spare...
>
> Which radio do u recommend?
>
> Kenwood 570? 2000?
>

> Icom 756, 775? 756PRO??
>
> Any others?
>
> Which have the built in keyer, tuner, DSP? I like the activity display
> on the Icom...
>
> If ur selling one, plz let me know, too...I'm in Los Angeles

From 4933108806747232129
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1164ef,f2b77154668b5041
X-Google-Attributes: gid1164ef,public
X-Google-Thread: fb049,f2b77154668b5041
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10c9e3,f2b77154668b5041
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,f2b77154668b5041
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-07-18 09:00:12 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!sn-post-01!supernews.com!corp.supernews.com!ralloway!root
From: "N3WWN" <n3wwn@futuretek.cx>
Newsgroups: alt.ham-radio,alt.ham-radio.amtor,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: CB BANDS ON HAM RADIO?
Date: Wed, 18 Jul 2001 11:04:10 +0400
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <ah84j9.oo4.ln@ns2.ecommanagement.com>
References: <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>
<Z2N47.11663$JS2.1119454@newsread1.prod.itd.earthlink.net>
<3B53AB54.385D36D8@ptd.net> <1an1j9.pbn.ln@ns2.ecommanagement.com>
<3B54B63C.EBD8E53@ptd.net>
User-Agent: Pan/0.9 (Unix)
X-No-Productlinks: Yes
X-Complaints-To: newsabuse@supernews.com
Lines: 89
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4998

Well, in order for a ham radio to communicate with a FRS radio, you'd have to get the radio to transceive on the correct frequency, not just sync the PLs.

All a PL does is not allow the squelch to open when a signal is received unless the PL is present.

A PL is a sub-audible tone. Many amateur radio repeaters use PL decoders to stop local noise from keying the repeater. The most common in my area is a PL of 131.8. This means that a 131.8Hz tone is sent as well as any audio picked up by the mic.

But, even if you were able to mod a HT to transceive on the FRS frequencies, it would still not be legal since the HT is not licensed by the FCC for FRS frequencies.

There is one exception, which I've only heard of and never seen. I heard a rumor that there was a dual band 2m/70cm HT which is also licensed for FRS. This means that the radio is limited to 500mW on FRS frequencies and you'd probably have to use the factory antenna, if the antenna is replacable at all!

-Rich
  N3WWN

In article <3B54B63C.EBD8E53@ptd.net>, "Josh Sponenberg"
<Sponge14@ptd.net> wrote:

> well i meant... if i am using ham radio to communicate with a friend
> with an FRS radio (just sync the DCS/CTCSS tones up)....... its not
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>> interconnection between radios is illegal since any modification made
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>> radio to operate on the FRS frequencies.
>>
>> FRS does not require a license and therefore does not require any type
>> of ID, callsign, etc.
>>
>> Essentially, to sum up: If you're using a frequency in the amateur
>> band, you must use your amateur callsign. If you're using a citizens
>> band (be it 27MHz or 460MHz) you are not required to ID and using your
>> amateur radio callsign here is probably a bad idea.
>>
>> 73,
>>
>> -Rich
>>   N3WWN
>>
>> In article <3B53AB54.385D36D8@ptd.net>, "Josh Sponenberg"
>> <Sponge14@ptd.net> wrote:
>>
>> > along those lines... what about the FRS frequencies? does one still
>> > have to give station ID on the frs frequencies if using
>> > modified/wideband ham equipment?
>> >
>> > Daniel Prather wrote:
>> >>
>> >> Well, as a few others have already said. It's not possible for a 2
>> >> meter transceiver to transmit on CB bands. Not to mention the fact

```
>> >> that, if my memory serves me correctly, any ham equipment (such as a
>> >> 10 meter radio) modified to work on CB bands is not legal, since it
>> >> hasn't been certified by the FCC to work on those frequencies.
>> >>
>> >> In article <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>,
>> >> "Nicolas
>> >> \(PianoMan\) Anbeek" <illcryinstead@home.com> wrote:
>> >>
>> >> > Hello.  Could somebody please tell me if it's possible to access
>> >> > the CB channels on ham radio?  For instance if I have a small 2
>> >> > meter transceiver could I talk to somebody on CB with it, or are
>> >> > the completely separate?
>> >> >
>> >> > Also, I've heard that you can access the cell phone frequencies
>> >> > and make phone calls with a ham radio.  Could somebody explain how
>> >> > this is done? Is it possible for anybody with a ham radio or only
>> >> > certain types?
>> >> >
>> >> > Thanks in advance!
>> >> >
>> >> > Nick
>> >> >
>> >> >


From 1041218881157639196
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2b77154668b5041
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1164ef,f2b77154668b5041
X-Google-Attributes: gid1164ef,public
X-Google-Thread: 10ed5f,f2b77154668b5041
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,f2b77154668b5041
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-07-18 11:56:23 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newsxfer.visi.net!204.186.200.232.MISMATCH!ptdnetT!
newsgateT.ptd.net!ptdnetS!newsgate.ptd.net!nnrp1.ptd.net.POSTED!not-for-mail
Message-ID: <3B55DAAB.5CFDFC12@sunlink.net>
From: Josh Sponenberg <battwork@sunlink.net>
X-Mailer: Mozilla 4.7 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.amtor,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: CB BANDS ON HAM RADIO?
References: <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>
<Z2N47.11663$JS2.1119454@newsread1.prod.itd.earthlink.net>
<3B53AB54.385D36D8@ptd.net> <1an1j9.pbn.ln@ns2.ecommanagement.com>
<3B54B63C.EBD8E53@ptd.net> <ah84j9.oo4.ln@ns2.ecommanagement.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 108
```

```
Date: Wed, 18 Jul 2001 19:01:30 GMT
NNTP-Posting-Host: 24.229.70.106
X-Complaints-To: abuse@ptd.net
X-Trace: nnrp1.ptd.net 995482890 24.229.70.106 (Wed, 18 Jul 2001 15:01:30 EDT)
NNTP-Posting-Date: Wed, 18 Jul 2001 15:01:30 EDT
Organization: PenTeleData http://www.ptd.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:4999
```

N3WWN wrote:

>
> Well, in order for a ham radio to communicate with a FRS radio, you'd
> have to get the radio to transceive on the correct frequency, not just
> sync the PLs.

been there, done that...

>
> All a PL does is not allow the squelch to open when a signal is received
> unless the PL is present.
>
> A PL is a sub-audible tone. Many amateur radio repeaters use PL
> decoders to stop local noise from keying the repeater. The most common
> in my area is a PL of 131.8. This means that a 131.8Hz tone is sent
> as well as any audio picked up by the mic.
>
> But, even if you were able to mod a HT to transceive on the FRS
> frequencies, it would still not be legal since the HT is not licensed by
> the FCC for FRS frequencies.
>
> There is one exception, which I've only heard of and never seen. I heard
> a rumor that there was a dual band 2m/70cm HT which is also licensed for
> FRS. This means that the radio is limited to 500mW on FRS frequencies
> and you'd probably have to use the factory antenna, if the antenna is
> replacable at all!

1/2 a watt eh? thats all they use? whew.....

>
> -Rich
>   N3WWN
>
> In article <3B54B63C.EBD8E53@ptd.net>, "Josh Sponenberg"
> <Sponge14@ptd.net> wrote:
>
> > well i meant... if i am using ham radio to communicate with a friend
> > with an FRS radio (just sync the DCS/CTCSS tones up)....... its not
> > "FRS" equipment.. so its not legal eh?
> >
> > N3WWN wrote:
> >>

> >> I'm assuming you're talking about a ham radio HT with FRS ability. It
> >> would probably be a bad idea to use your callsign on FRS for the simple
> >> reason that people may think you're using a FRS radio tied into a ham
> >> radio, whether you are making this connection or not.   This type of
> >> interconnection between radios is illegal since any modification made
> >> to a FRS radio or antenna immediately voids the FCC license for that
> >> radio to operate on the FRS frequencies.
> >>
> >> FRS does not require a license and therefore does not require any type
> >> of ID, callsign, etc.
> >>
> >> Essentially, to sum up: If you're using a frequency in the amateur
> >> band, you must use your amateur callsign. If you're using a citizens
> >> band (be it 27MHz or 460MHz) you are not required to ID and using your
> >> amateur radio callsign here is probably a bad idea.
> >>
> >> 73,
> >>
> >> -Rich
> >>   N3WWN
> >>
> >> In article <3B53AB54.385D36D8@ptd.net>, "Josh Sponenberg"
> >> <Sponge14@ptd.net> wrote:
> >>
> >> > along those lines... what about the FRS frequencies? does one still
> >> > have to give station ID on the frs frequencies if using
> >> > modified/wideband ham equipment?
> >> >
> >> > Daniel Prather wrote:
> >> >>
> >> >> Well, as a few others have already said. It's not possible for a 2
> >> >> meter transceiver to transmit on CB bands. Not to mention the fact
> >> >> that, if my memory serves me correctly, any ham equipment (such as a
> >> >> 10 meter radio) modified to work on CB bands is not legal, since it
> >> >> hasn't been certified by the FCC to work on those frequencies.
> >> >>
> >> >> In article <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>,
> >> >> "Nicolas
> >> >> \(PianoMan\) Anbeek" <illcryinstead@home.com> wrote:
> >> >>
> >> >> > Hello. Could somebody please tell me if it's possible to access
> >> >> > the CB channels on ham radio? For instance if I have a small 2
> >> >> > meter transceiver could I talk to somebody on CB with it, or are
> >> >> > the completely separate?
> >> >> >
> >> >> > Also, I've heard that you can access the cell phone frequencies
> >> >> > and make phone calls with a ham radio. Could somebody explain how
> >> >> > this is done? Is it possible for anybody with a ham radio or only
> >> >> > certain types?
> >> >> >
> >> >> > Thanks in advance!
> >> >> >
> >> >> > Nick

> >> >> >
> >> >> >

```
--
   |+|             |-|
+========================+
|    Josh Sponenberg     |
|   Battery Specialist   |
| www.BatteryWorksPA.com |
+========================+
```

```
From 4605550225843863142
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2b77154668b5041
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,f2b77154668b5041
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 1164ef,f2b77154668b5041
X-Google-Attributes: gid1164ef,public
X-Google-Thread: fb049,f2b77154668b5041
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-07-18 14:17:09 PST
Path: archiver1.google.com!news2.google.com!postnews1.google.com!not-for-mail
From: ranhefner@my-deja.com (RanHefner)
Newsgroups: alt.ham-radio,alt.ham-radio.amtor,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: CB BANDS ON HAM RADIO?
Date: 18 Jul 2001 14:17:08 -0700
Organization: http://groups.google.com/
Lines: 9
Message-ID: <42cedc1d.0107181317.abed9dc@posting.google.com>
References: <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>
<Z2N47.11663$JS2.1119454@newsread1.prod.itd.earthlink.net>
<3B53AB54.385D36D8@ptd.net>
NNTP-Posting-Host: 204.96.8.2
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 995491029 3053 127.0.0.1 (18 Jul 2001 21:17:09 GMT)
X-Complaints-To: groups-support@google.com
NNTP-Posting-Date: 18 Jul 2001 21:17:09 GMT
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:5001
```

Josh Sponenberg <Sponge14@ptd.net> wrote in message
news:<3B53AB54.385D36D8@ptd.net>...
> along those lines... what about the FRS frequencies? does one still have
> to give station ID on the frs frequencies if using modified/wideband ham
> equipment?
>

You are kidding, right? If not, no, you cannot use a modified 440
radio to talk on the FRS freqs. If you do, however, PLEASE give you
callsign.

```
From -2473051904857011021
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fc734,ba5d8e40caaed12d
X-Google-Attributes: gidfc734,public
X-Google-Thread: 10c9e3,ba5d8e40caaed12d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,ba5d8e40caaed12d
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2001-07-18 17:34:08 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-03!supernews.com!news-
feed.riddles.org.uk!newsfeed.direct.ca!look.ca!news.maxwell.syr.edu!
news.stealth.net!204.127.161.2.MISMATCH!wn2feed!worldnet.att.net!135.173.83.71!
wnfilter1!worldnet-localpost!bgtnsc05-news.ops.worldnet.att.net.POSTED!not-for-
mail
Message-ID: <3B562ADB.C8BFB6C6@att.net>
From: "George, W5YR" <w5yr@att.net>
X-Mailer: Mozilla 4.74 [en] (Win95; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.hf,rec.ham-radio,alt.ham-radio.ssb
Subject: Re: Which HF Rig??
References: <9236-3B5528F7-129@storefull-122.iap.bryant.webtv.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 28
Date: Thu, 19 Jul 2001 00:33:55 GMT
NNTP-Posting-Host: 12.86.210.47
X-Complaints-To: abuse@worldnet.att.net
X-Trace: bgtnsc05-news.ops.worldnet.att.net 995502835 12.86.210.47 (Thu, 19 Jul
2001 00:33:55 GMT)
NNTP-Posting-Date: Thu, 19 Jul 2001 00:33:55 GMT
Organization: AT&T Worldnet
Xref: archiver1.google.com alt.ham-radio.hf:884
```

Look at my sig file, Danny . . .see which rig is listed first?

The best rig I've used in nearly 56 years as a licensed ham is the 756PRO.
You can't go wrong with it . . .

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX   30 mi NE of Dallas in Collin county   EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

danny wrote:

>
> Brought my TS430 to Kenwood for repairs....looking at getting a new
> radio & using the 430 as my spare...
>
> Which radio do u recommend?

```
>
> Kenwood 570? 2000?
>
> Icom 756, 775? 756PRO??
>
> Any others?
>
> Which have the built in keyer, tuner, DSP?  I like the activity display
> on the Icom...
>
> If ur selling one, plz let me know, too...I'm in Los Angeles


From 1927706199880857375
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1164ef,f2b77154668b5041
X-Google-Attributes: gid1164ef,public
X-Google-Thread: 10c9e3,f2b77154668b5041
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,f2b77154668b5041
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,f2b77154668b5041
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-07-18 19:30:23 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!ptdnetT!newsgateT.ptd.net!ptdnetS!newsgate.ptd.net!
nnrp1.ptd.net.POSTED!not-for-mail
Message-ID: <3B56450A.FD6C24A4@ptd.net>
From: Josh Sponenberg <Sponge14@ptd.net>
Reply-To: Sponge14@ptd.net
X-Mailer: Mozilla 4.72 [en] (Win95; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.amtor,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: CB BANDS ON HAM RADIO?
References: <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>
<Z2N47.11663$JS2.1119454@newsread1.prod.itd.earthlink.net>
<3B53AB54.385D36D8@ptd.net> <42cedc1d.0107181317.abed9dc@posting.google.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 16
Date: Thu, 19 Jul 2001 02:35:25 GMT
NNTP-Posting-Host: 24.229.70.106
X-Complaints-To: abuse@ptd.net
X-Trace: nnrp1.ptd.net 995510125 24.229.70.106 (Wed, 18 Jul 2001 22:35:25 EDT)
NNTP-Posting-Date: Wed, 18 Jul 2001 22:35:25 EDT
Organization: PenTeleData http://www.ptd.net
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:5005



RanHefner wrote:
>
```

```
> Josh Sponenberg <Sponge14@ptd.net> wrote in message
news:<3B53AB54.385D36D8@ptd.net>...
> > along those lines... what about the FRS frequencies? does one still have
> > to give station ID on the frs frequencies if using modified/wideband ham
> > equipment?
> >
>
> You are kidding, right?  If not, no, you cannot use a modified 440
> radio to talk on the FRS freqs.  If you do, however, PLEASE give you
> callsign.


LOL.. :-P



From -5306548124190124356
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2b77154668b5041
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1164ef,f2b77154668b5041
X-Google-Attributes: gid1164ef,public
X-Google-Thread: 10ed5f,f2b77154668b5041
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,f2b77154668b5041
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-07-19 03:51:39 PST
Message-ID: <3B56BBB5.F0E3056E@iglou.com>
Date: Thu, 19 Jul 2001 06:51:33 -0400
From: Tom Currie <N4AOF@iglou.com>
X-Mailer: Mozilla 4.5 [en]C-WNS5.0  (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.amtor,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: CB BANDS ON HAM RADIO?
References: <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>
<Z2N47.11663$JS2.1119454@newsread1.prod.itd.earthlink.net>
<3B53AB54.385D36D8@ptd.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
NNTP-Posting-Host: lou-ts5-46.iglou.com
X-Original-NNTP-Posting-Host: lou-ts5-46.iglou.com
X-Trace: news.iglou.com 995539895 lou-ts5-46.iglou.com (19 Jul 2001 06:51:35
-0400)
Lines: 10
X-Original-NNTP-Posting-Host: 204.255.238.60
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!router1.news.adelphia.net!uunet!ash.uu.net!
news.iglou.com
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:5011

Josh Sponenberg wrote:
>
> along those lines... what about the FRS frequencies? does one still have
```

> to give station ID on the frs frequencies if using modified/wideband ham
> equipment?

Yes, you need to give your callsign -- and you need to be sure to tell Mr. Riley Hollingsworth, K4ZDH, about it so he can speed up the processing of your license revocation for illegal out of band operation, transmitting with illegal equipment, and gross stupidity.

From 6085348892319236858
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2b77154668b5041
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1164ef,f2b77154668b5041
X-Google-Attributes: gid1164ef,public
X-Google-Thread: 10ed5f,f2b77154668b5041
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,f2b77154668b5041
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-07-19 03:59:07 PST
Message-ID: <3B56BD75.81FE7A28@iglou.com>
Date: Thu, 19 Jul 2001 06:59:01 -0400
From: Tom Currie <N4AOF@iglou.com>
X-Mailer: Mozilla 4.5 [en]C-WNS5.0 (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.amtor,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Re: CB BANDS ON HAM RADIO?
References: <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>
<Z2N47.11663$JS2.1119454@newsread1.prod.itd.earthlink.net>
<3B53AB54.385D36D8@ptd.net> <1an1j9.pbn.ln@ns2.ecommanagement.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
NNTP-Posting-Host: lou-ts5-46.iglou.com
X-Original-NNTP-Posting-Host: lou-ts5-46.iglou.com
X-Trace: news.iglou.com 995540343 lou-ts5-46.iglou.com (19 Jul 2001 06:59:03
-0400)
Lines: 21
X-Original-NNTP-Posting-Host: 204.255.238.60
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!news.maxwell.syr.edu!newsfeed.frii.net!uunet!
dca.uu.net!ash.uu.net!news.iglou.com
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:5012

N3WWN wrote:
>
> I'm assuming you're talking about a ham radio HT with FRS ability. It
> would probably be a bad idea to use your callsign on FRS for the simple
> reason that people may think you're using a FRS radio tied into a ham
> radio, whether you are making this connection or not.   This type of
> interconnection between radios is illegal since any modification made to
> a FRS radio or antenna immediately voids the FCC license for that radio
> to operate on the FRS frequencies.

Using a ham radio "with FRS ability" is also illegal.

Did ANYONE in this newsgroup ever see a copy of Part 97 ?

> Essentially, to sum up: If you're using a frequency in the amateur band,
> you must use your amateur callsign. If you're using a citizens band (be
> it 27MHz or 460MHz) you are not required to ID and using your amateur
> radio callsign here is probably a bad idea.

Apparently your knowledge of Part 95 is equal to your knowledge of Part 97.

From 3351303667715225033
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2b77154668b5041
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,f2b77154668b5041
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 1164ef,f2b77154668b5041
X-Google-Attributes: gid1164ef,public
X-Google-Thread: fb049,f2b77154668b5041
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-07-19 20:27:39 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!news.maxwell.syr.edu!newsxfer.eecs.umich.edu!
cyclone.rdc-detw.rr.com!news.mw.mediaone.net!cyclone3.rdc-detw.rr.com!
news3.mw.mediaone.net!typhoon.mw.mediaone.net.POSTED!not-for-mail
Reply-To: "Leland C. Scott" <abuse@mediaone.net>
From: "Leland C. Scott" <no-spam@junk-mail.net>
Newsgroups: alt.ham-radio,alt.ham-radio.amtor,alt.ham-radio.vhf-uhf,rec.ham-radio
References: <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>
<Z2N47.11663$JS2.1119454@newsread1.prod.itd.earthlink.net>
<3B53AB54.385D36D8@ptd.net> <1an1j9.pbn.ln@ns2.ecommanagement.com>
<3B56BD75.81FE7A28@iglou.com>
Subject: Re: CB BANDS ON HAM RADIO?
Lines: 37
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <KyN57.5729$bU6.105437@typhoon.mw.mediaone.net>
Date: Fri, 20 Jul 2001 03:27:38 GMT
NNTP-Posting-Host: 24.131.233.143
X-Complaints-To: abuse@mediaone.net
X-Trace: typhoon.mw.mediaone.net 995599658 24.131.233.143 (Thu, 19 Jul 2001
23:27:38 EDT)
NNTP-Posting-Date: Thu, 19 Jul 2001 23:27:38 EDT

```
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:5027


"Tom Currie" <N4AOF@iglou.com> wrote in message =
news:3B56BD75.81FE7A28@iglou.com...
> N3WWN wrote:
> >=20
> > I'm assuming you're talking about a ham radio HT with FRS ability.  =
It
> > would probably be a bad idea to use your callsign on FRS for the =
simple
> > reason that people may think you're using a FRS radio tied into a =
ham
> > radio, whether you are making this connection or not.=20

Communication between GMRS and FRS is permitted I believe since the FRS =
channels 1 to 7 are shared with GMRS. GMRS users must have a license, =
and can run more than a 1/5 watt of power too. So if somebody is =
monitoring, and a person was ID'ing using their GMRS license, it could =
be mistaken for a Ham callsign unless they know the difference in =
callsign formats between the two services.=20



--=20
Leland C. Scott
KC8LDO

ARRL Member
NCI Member

--=20
Understanding is the reward of faith.
Therefore, seek not to understand
that thou mayest believe, but
believe that thou mayest
understand."

  Aurelius Augustinus




From 6560575394746844126
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2b77154668b5041
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1164ef,f2b77154668b5041
X-Google-Attributes: gid1164ef,public
X-Google-Thread: 10ed5f,f2b77154668b5041
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,f2b77154668b5041
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-07-19 23:51:10 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
```

news.tele.dk!195.238.2.15!skynet.be!cleanfeed.casema.net!leda.casema.net!
post.casema.net!not-for-mail
From: Weirdo <weirdo@pe1sac.d2g.com>
Subject: Re: CB BANDS ON HAM RADIO?
Newsgroups: alt.ham-radio,alt.ham-radio.amtor,alt.ham-radio.vhf-uhf,rec.ham-radio
Followup-To: alt.ham-radio
Reply-To: weirdo@pe1sac.d2g.com
Date: Fri, 20 Jul 2001 08:48:53 +0200
References: <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>
<3B5308DB.4E1BE111@tampabay.rr.com> <tl8qolpqp5q95b@corp.supernews.com>
User-Agent: KNode/0.4
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7Bit
Lines: 47
Message-ID: <3b57d4dd$0$17219@reader5>
NNTP-Posting-Host: 5dyn22.boll.casema.net
X-Trace: reader5 995611869 17219 212.64.122.22
X-Complaints-To: http://www.casema.net/abuse
X-Abuse-Info: Please be sure to include a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
X-Server-Date: 20 Jul 2001 06:51:09 GMT
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:5028

Leland C. Scott wrote:

>
> "Dennis Kaylor" <k4oxg@tampabay.rr.com> wrote in message
> news:3B5308DB.4E1BE111@tampabay.rr.com...
>> hey nick
>> there is no way for a 2 meter radio and a CB radio to commincate a 2
>> meter
>> radio transmits on 144-148 mhz and CB is on the 27mhz so there is a lot
> of
>> space between them
>> as for cell phone calls to my knowledge you can not make cell phone
>> calls
>> with ham radios
>> there are SOME repeaters that have a phone patch where you can make a
> local
>> call or to call the 911 operator in case of emergancy but you need a ham
>> license to be legal to do that
>
> In some countries they have what is called PMR rigs for CB. I think these
> operate around the Ham 70cm band on FM. So in that case it could be done.
> The poster didn't say what country he lived in.
>
>
> --
> Leland C. Scott
> KC8LDO
>
> Saw this on a Tee-shirt:

```
>
> "I am a bomb technician. If you see
>  me running, try to keep up. "
>
>
>
That's correct.
Here in Holland (PA) there's a band called PMR and runs from
433Mhz till 434Mhz and maximum power is 100Mw.
It's here in PA also legal to talk with these people on the PMR band
being an HAM.

Hope U got something on this answer.
GRTZ Taco de PE1SAC

--
One BEER or not One BEER, that's the question. <William ShakesBEER>




From 360812033507473066
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2b77154668b5041
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1164ef,f2b77154668b5041
X-Google-Attributes: gid1164ef,public
X-Google-Thread: 10ed5f,f2b77154668b5041
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,f2b77154668b5041
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-07-20 02:49:31 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!news-hub.cableinet.net!blueyonder!ldn-
newsfeed.speedport.net!newsfeed.speedport.net!newsfeeds.belnet.be!news.belnet.be!
cleanfeed.casema.net!leda.casema.net!post.casema.net!not-for-mail
From: Weirdo <weirdo@pe1sac.d2g.com>
Subject: Re: CB BANDS ON HAM RADIO?
Newsgroups: alt.ham-radio,alt.ham-radio.amtor,alt.ham-radio.vhf-uhf,rec.ham-radio
Followup-To: alt.ham-radio
Reply-To: weirdo@pe1sac.d2g.com
Date: Fri, 20 Jul 2001 11:47:13 +0200
References: <1SC47.193260$Mf5.52781874@news3.rdc1.on.home.com>
<3B5308DB.4E1BE111@tampabay.rr.com> <tl8qolpqp5q95b@corp.supernews.com>
User-Agent: KNode/0.4
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7Bit
Lines: 40
Message-ID: <3b57fea9$0$28856@reader4>
NNTP-Posting-Host: 5dyn22.boll.casema.net
X-Trace: reader4 995622569 28856 212.64.122.22
X-Complaints-To: http://www.casema.net/abuse
X-Abuse-Info: Please be sure to include a copy of ALL headers
```

```
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
X-Server-Date: 20 Jul 2001 09:49:29 GMT
Xref: archiver1.google.com alt.ham-radio.vhf-uhf:5029

Leland C. Scott wrote:

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>> as for cell phone calls to my knowledge  you can not make cell phone
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>> with  ham radios
>> there are SOME  repeaters that have a phone patch where you can make a
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>
>
> --
> Leland C. Scott
> KC8LDO
>
> Saw this on a Tee-shirt:
>
> "I am a bomb technician. If you see
>  me running, try to keep up. "
>
>
>
Sorry must LPD instead of PMR.
PMR runs from 446MHz up to 466.5Mhz and allows 0.5W to use.
--
One BEER or not One BEER, that's the question. <William ShakesBEER>



From -8455665194375541249
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f7ecd1099c1df65,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,9f7ecd1099c1df65,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,9f7ecd1099c1df65,start
```

X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-07-20 09:35:26 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!sn-xit-01!supernews.com!newshub2.rdc1.sfba.home.com!news.home.com!news2.rdc2.tx.home.com.POSTED!not-for-mail
From: "Armin Doerry" <adoerry@yahoo.com>
Newsgroups: rec.ham-radio,alt.ham-radio,rec.radio.amateur
Subject: license classes at a university
Lines: 25
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <h5Z57.10597$gF5.2993753@news2.rdc2.tx.home.com>
Date: Fri, 20 Jul 2001 16:35:25 GMT
NNTP-Posting-Host: 65.6.115.103
X-Complaints-To: abuse@home.net
X-Trace: news2.rdc2.tx.home.com 995646925 65.6.115.103 (Fri, 20 Jul 2001 09:35:25 PDT)
NNTP-Posting-Date: Fri, 20 Jul 2001 09:35:25 PDT
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com rec.radio.amateur:1837

I teach part time in the electrical engineering department at the University of New Mexico. Specifically, I teach an "Introduction to Communication" class (AM, FM, Pulse Modulation, SNR, Data Communication, etc.) to seniors and typically first year graduate students. As a recently licensed amateur (although I have had a longtime interest in the technology aspects of the hobby) I note that ham radio dovetails very nicely with the classes I teach. In fact, so much so that I am contemplating offering a class tentatively entitled "Introduction to Radio Communication" that would be somewhat oriented towards the license exams. Has anybody out there heard of any sort of similar offering at any other university (I would be interested in comparing syllibus's)? The ARRL web site information on education activities seems to be oriented to high schools, boy scouts, and the like. I am after something perhaps somewhat more technical oriented to electrical engineering students....

Thanks in advance....

Armin

--
Armin Doerry, KD5ONO
adoerry@yahoo.com
505 / 828-0619

From 5992733158235573150
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fc734,ba5d8e40caaed12d

```
X-Google-Attributes: gidfc734,public
X-Google-Thread: 10c9e3,ba5d8e40caaed12d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,ba5d8e40caaed12d
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2001-07-20 17:02:14 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!border1.nntp.aus1.giganews.com!nntp.giganews.com!
nntp3.aus1.giganews.com!news6.giganews.com.POSTED!not-for-mail
Message-ID: <3B58C610.50AD1081@olywa.net>
From: Dave &Sandy <nemo@olywa.net>
X-Mailer: Mozilla 4.51 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.hf,rec.ham-radio,alt.ham-radio.ssb
Subject: Re: Which HF Rig??
References: <9236-3B5528F7-129@storefull-122.iap.bryant.webtv.net> <7Ra57.223242$
%i7.126180279@news1.rdc1.sfba.home.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 24
NNTP-Posting-Date: Fri, 20 Jul 2001 19:01:53 CDT
Organization: Giganews.Com - Premium News Outsourcing
X-Trace: sv3-1Ovk6Oq6kJYFqpofj5HWvHoLKYObMlbOpoZSVcFon+XSRe9D4aLyRIzq/YgHn/
KcBwS0XIi9CqrAq8p!udtP9i99HTXXEAFfrcBig34+/3Ogx4f/qTYM8DflZEiJI5SjeDET5sPzBeM=
X-Complaints-To: abuse@GigaNews.Com
X-DMCA-Notifications: http://www.giganews.com/info/dmca.html
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
Date: Fri, 20 Jul 2001 17:00:16 -0700
Xref: archiver1.google.com alt.ham-radio.hf:893
```

ditto. i bought mine for the long haul. hope i never need to buy another

Tom wrote:

> icom 746 is a nice radio too.
>
> Tom   ki0pa
>
> > Brought my TS430 to Kenwood for repairs....looking at getting a new
> > radio & using the 430 as my spare...
> >
> > Which radio do u recommend?
> >
> > Kenwood 570? 2000?
> >
> > Icom 756, 775? 756PRO??
> >
> > Any others?
> >
> > Which have the built in keyer, tuner, DSP? I like the activity display
> > on the Icom...

> >
> > If ur selling one, plz let me know, too...I'm in Los Angeles
> >

From -3608694611804481043
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f7ecd1099c1df65
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,9f7ecd1099c1df65
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9f7ecd1099c1df65
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-07-21 06:01:46 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!news.home.com!
news1.rdc1.md.home.com.POSTED!not-for-mail
From: "Tom" <tecoates@home.com>
Newsgroups: rec.ham-radio,alt.ham-radio,rec.radio.amateur
References: <h5Z57.10597$gF5.2993753@news2.rdc2.tx.home.com>
Subject: Re: license classes at a university
Lines: 57
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2919.5600
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.5600
Message-ID: <Z2f67.28244$Ek3.10367800@news1.rdc1.md.home.com>
Date: Sat, 21 Jul 2001 13:01:45 GMT
NNTP-Posting-Host: 24.6.145.230
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.md.home.com 995720505 24.6.145.230 (Sat, 21 Jul 2001 06:01:45 PDT)
NNTP-Posting-Date: Sat, 21 Jul 2001 06:01:45 PDT
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com rec.radio.amateur:1839

Wonderful idea. No telling where it could lead.

You might use the ARRL outline for continuity and completeness and just beef it up.

One thing I've observed that has transformed the teaching of engineering is the emphasis on teamwork and creativity. In addition to helping them with the exams you could create teams and assign competitive projects. Not as elaborate as a solar-powered racer but more than building a bridge out of raw spaghetti.

Maybe they could design and build a station using the minimum number of components, or a transmitter or antenna with the highest efficiency, etc.

Of course, one of the team projects could be to see which group gets 100% licensed first. This is called "cooperative learning" and (as you probably know) is the subject of some admiring articles in the psychology world.

```
Check out http://www.newhorizons.org/trm_cooplrn.html.

Tom
W3HHB


"Armin Doerry" <adoerry@yahoo.com> wrote in message
news:h5Z57.10597$gF5.2993753@news2.rdc2.tx.home.com...
> I teach part time in the electrical engineering department at the
University
> of New Mexico.  Specifically, I teach an "Introduction to Communication"
> class (AM, FM, Pulse Modulation, SNR, Data Communication, etc.) to seniors
> and typically first year graduate students.  As a recently licensed
amateur
> (although I have had a longtime interest in the technology aspects of the
> hobby) I note that ham radio dovetails very nicely with the classes I
teach.
> In fact, so much so that I am contemplating offering a class tentatively
> entitled "Introduction to Radio Communication" that would be somewhat
> oriented towards the license exams.  Has anybody out there heard of any
sort
> of similar offering at any other university (I would be interested in
> comparing syllibus's)?  The ARRL web site information on education
> activities seems to be oriented to high schools, boy scouts, and the like.
> I am after something perhaps somewhat more technical oriented to
electrical
> engineering students....
>
> Thanks in advance....
>
>                  Armin
>
> --
> Armin Doerry, KD5ONO
> adoerry@yahoo.com
> 505 / 828-0619
>
>




From 3958752759036843335
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,621f36aaadd1e29f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,621f36aaadd1e29f,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,621f36aaadd1e29f,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: fc8b1,621f36aaadd1e29f,start
X-Google-Attributes: gidfc8b1,public
X-Google-ArrivalTime: 2001-07-23 22:46:42 PST
```

Path: archiver1.google.com!newsfeed.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!news-xfer.siscom.net!easynews!e420r-sjo4.usenetserver.com!usenetserver.com!e3500-atl1.usenetserver.com.POSTED!not-for-mail
From: "Martyn" <martyna@bellsouth.net>
Newsgroups: alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.boatanchors
Subject: In need of assistance please
Lines: 28
Organization: Radio-Mart inc.
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <qT777.5239$UB6.482304@e3500-atl1.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Tue, 24 Jul 2001 01:40:38 EDT
Date: Tue, 24 Jul 2001 01:47:35 -0400
Xref: archiver1.google.com alt.ham-radio.hf:901 rec.radio.amateur:1862 rec.radio.amateur.boatanchors:10924

Thank you for reading this posting, any help would be appreciated with the following problem that I have.Here is one to get your mind teased:::

Icom 756PRO or FT-1000MP or FT-101ZD as an input all give 100W
Feeding a Henry 2KL-4 Linear, running a pair of 3-500's
Upon initial key up in to a dummy load starts off 700W and drops to 200W in about 8 seconds.
Here's what I have tried
I have tried a total of 5 Transceivers
Tried a copal of dummy loads
Checked all of my leads
changed the tubes for Brand new ones
checked the reset button on the linear
I do notice when keying with 0W rf that the grid meter goes down to below the zero mark but I suspect that is just meter alignment and it only just goes down a slight amount.
you can see the meters creep down after about 8 seconds from 80 Grid 480 plate to 45 Grid and 380 plate
I have had the power company come out to check the voltage and current draw and everything there is 100%
Any ideas as this is blowing my mind
I appreciate any constructive input that any of you may have.
Thanks and Best 73's
Martyn

```
From -8682245933122905140
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,621f36aaadd1e29f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,621f36aaadd1e29f
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc8b1,621f36aaadd1e29f
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 114a57,621f36aaadd1e29f
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2001-07-24 17:21:33 PST
Path: archiver1.google.com!newsfeed.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!howland.erols.net!news-
out.worldnet.att.net.MISMATCH!wn3feed!worldnet.att.net!135.173.83.71!wnfilter1!
worldnet-localpost!bgtnsc05-news.ops.worldnet.att.net.POSTED!not-for-mail
Message-ID: <3B5E10FD.5FACC8A9@att.net>
From: "George, W5YR" <w5yr@att.net>
X-Mailer: Mozilla 4.74 [en] (Win95; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.boatanchors
Subject: Re: In need of assistance please
References: <qT777.5239$UB6.482304@e3500-atl1.usenetserver.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 34
Date: Wed, 25 Jul 2001 00:21:32 GMT
NNTP-Posting-Host: 12.86.208.95
X-Complaints-To: abuse@worldnet.att.net
X-Trace: bgtnsc05-news.ops.worldnet.att.net 996020492 12.86.208.95 (Wed, 25 Jul
2001 00:21:32 GMT)
NNTP-Posting-Date: Wed, 25 Jul 2001 00:21:32 GMT
Organization: AT&T Worldnet
Xref: archiver1.google.com alt.ham-radio.hf:903 rec.radio.amateur:1869
rec.radio.amateur.boatanchors:10945

What is the amplifier high voltage doing all this time?

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121  Kachina #91900556  IC-765 #02437



Martyn wrote:
>
> Thank you for reading this posting, any help would be appreciated with the
> following problem that I have.Here is one to get your mind teased:::
>
> Icom 756PRO or FT-1000MP or FT-101ZD as an input all give 100W
> Feeding a Henry 2KL-4 Linear, running a pair of 3-500's
```

> Upon initial key up in to a dummy load starts off 700W and drops to 200W in
> about 8 seconds.
> Here's what I have tried
> I have tried a total of 5 Transceivers
> Tried a copal of dummy loads
> Checked all of my leads
> changed the tubes for Brand new ones
> checked the reset button on the linear
> I do notice when keying with 0W rf that the grid meter goes down to below
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> you can see the meters creep down after about 8 seconds from 80 Grid 480
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> and everything there is 100%
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> I appreciate any constructive input that any of you may have.
> Thanks and Best 73's
> Martyn

From 6044314577293730942
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,51025e4a73ad264,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb13e,51025e4a73ad264,start
X-Google-Attributes: gidfb13e,public
X-Google-Thread: fb6c1,51025e4a73ad264,start
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: fe150,51025e4a73ad264,start
X-Google-Attributes: gidfe150,public
From: <a@b.com>
Subject: Everything about the new ICOM IC-R3 Scanner
Date: 2000/11/20
Message-ID: <aT6S5.64424$4U6.2700190@news1.rdc2.on.home.com>#1/1
X-Deja-AN: 695698324
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.on.home.com 974715462 24.64.175.44 (Mon, 20 Nov 2000 02:17:42 PST)
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
X-MSMail-Priority: Normal
NNTP-Posting-Date: Mon, 20 Nov 2000 02:17:42 PST
Newsgroups: man.ham-radio,nl.radio.amateur,nl.radio.scanners,rec.ham-radio

Everything about the new ICOM IC-R3 Scanner

http://www.egroups.com/group/ic-r3

```
From -4762128335766208488
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1241d2828d6ce759,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10fe7d,1241d2828d6ce759,start
X-Google-Attributes: gid10fe7d,public
X-Google-Thread: f8110,1241d2828d6ce759,start
X-Google-Attributes: gidf8110,public
X-Google-Thread: 1142e2,1241d2828d6ce759,start
X-Google-Attributes: gid1142e2,public
X-Google-Thread: fb6c1,1241d2828d6ce759,start
X-Google-Attributes: gidfb6c1,public
X-Google-ArrivalTime: 2000-11-25 17:43:00 PST
Path: supernews.google.com!sn-xit-02!supernews.com!isdnet!newsfeeds.belnet.be!
news.belnet.be!news.tele.dk!212.54.64.131!news100.image.dk!
news000.worldonline.dk.POSTED!not-for-mail
Reply-To: "OZ50MHz DX Bulletin, Editor OZ6OM" <no_spammail@sol.dk>
From: "OZ50MHz DX Bulletin, Editor OZ6OM" <remove_oz6om@qsl.net>
Newsgroups: it.hobby.radioamatori,japan.ham-
radio,maus.technik.amateurfunk,nl.radio.amateur,rec.ham-radio
Subject: 50 MHz DX info page
Lines: 14
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2314.1300
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
Message-ID: <CUZT5.4455$A52.168239@news000.worldonline.dk>
Date: Sun, 26 Nov 2000 01:41:18 -0000
NNTP-Posting-Host: 212.54.69.20
X-Complaints-To: news-abuse@wol.dk
X-Trace: news000.worldonline.dk 975202978 212.54.69.20 (Sun, 26 Nov 2000 02:42:58
MET)
NNTP-Posting-Date: Sun, 26 Nov 2000 02:42:58 MET
Organization: Customer of World Online Denmark A/S
Xref: supernews.google.com it.hobby.radioamatori:5095 japan.ham-radio:56
maus.technik.amateurfunk:93 nl.radio.amateur:2715
```

Dr OM/YL

This mail to inform interested that the latest
edition of the OZ50MHz DX Bulletin, #00-047 now is
uploaded at my website, at the adress;

http://www.qsl.net/oz6om/

Please have in mind that the OZ50MHz DX Bulletin
usually is uploaded late Saturday evening (UT time)

vy 73 de OZ6OM / OZ7M "Matt"

From 7428208056148219780
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49fc0010e7628fcc,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,49fc0010e7628fcc,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: fbf4d,49fc0010e7628fcc,start
X-Google-Attributes: gidfbf4d,public
X-Google-Thread: 105955,49fc0010e7628fcc,start
X-Google-Attributes: gid105955,public
X-Google-Thread: fa656,49fc0010e7628fcc,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2000-12-14 00:26:03 PST
Path: supernews.google.com!sn-xit-02!supernews.com!isdnet!grolier!btnet-peer0!btnet-feed5!btnet!mendelevium.btinternet.com!not-for-mail
From: "Paul Westwell" <paulw@btinternet.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.radio-shack,att.ham-radio,rec.ham-radio,rec.radio.amateur
Subject: Thames Valley Repeater Group
Date: Thu, 14 Dec 2000 08:20:46 -0000
Organization: BT Internet
Lines: 15
Message-ID: <919vt9$smb$1@uranium.btinternet.com>
NNTP-Posting-Host: 213.122.163.40
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Xref: supernews.google.com alt.ham-radio.vhf-uhf:2256 rec.radio.amateur:297

The Thames Valley Repeater Group has a new website at www.tvrg.org.uk

The group operates four repeaters in the Thames Valley area, GB3AW, GB3BK, GB3BN and GB3BN.

GB3BN the Bracknell UHF repeater is in the process of moving to a new location which is expected to be complete around Christmas time. Please visit the webpage for all the latest news on the move.

All comments on the website style and content are most welcome.

Paul
G4HLF

From 3184339793937484887
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49fc0010e7628fcc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fbf4d,49fc0010e7628fcc

```
X-Google-Attributes: gidfbf4d,public
X-Google-Thread: fb049,49fc0010e7628fcc
X-Google-Attributes: gidfb049,public
X-Google-Thread: 105955,49fc0010e7628fcc
X-Google-Attributes: gid105955,public
X-Google-Thread: fa656,49fc0010e7628fcc
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2000-12-14 00:26:05 PST
Path: supernews.google.com!sn-xit-02!supernews.com!isdnet!grolier!btnet-peer0!
btnet-feed5!btnet!mendelevium.btinternet.com!not-for-mail
From: "Paul Westwell" <paulw@btinternet.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.radio-shack,att.ham-radio,rec.ham-
radio,rec.radio.amateur
Subject: Thames Valley Repeater Group
Date: Thu, 14 Dec 2000 08:20:46 -0000
Organization: BT Internet
Lines: 15
Message-ID: <919vu6$6rv$1@neptunium.btinternet.com>
NNTP-Posting-Host: 213.122.163.40
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Xref: supernews.google.com alt.ham-radio.vhf-uhf:2257 rec.radio.amateur:298
```

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Paul
G4HLF

```
From 247872278314276678
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fb049,49fc0010e7628fcc
X-Google-Attributes: gidfb049,public
X-Google-Thread: fbf4d,49fc0010e7628fcc
X-Google-Attributes: gidfbf4d,public
X-Google-Thread: 105955,49fc0010e7628fcc
X-Google-Attributes: gid105955,public
X-Google-Thread: 10c9e3,49fc0010e7628fcc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,49fc0010e7628fcc
```

```
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2000-12-14 00:29:01 PST
Path: supernews.google.com!sn-xit-02!supernews.com!news-x.support.nl!
newsfeeds.belnet.be!news.belnet.be!btnet-peer1!btnet-feed5!btnet!
mendelevium.btinternet.com!not-for-mail
From: "Paul Westwell" <paulw@btinternet.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.radio-shack,att.ham-radio,rec.ham-
radio,rec.radio.amateur
Subject: Thames Valley Repeater Group
Date: Thu, 14 Dec 2000 08:20:46 -0000
Organization: BT Internet
Lines: 15
Message-ID: <91a03u$srg$1@uranium.btinternet.com>
NNTP-Posting-Host: 213.122.163.40
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Xref: supernews.google.com alt.ham-radio.vhf-uhf:2258 rec.radio.amateur:299
```

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Paul
G4HLF

```
From -3401662314164000067
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49fc0010e7628fcc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105955,49fc0010e7628fcc
X-Google-Attributes: gid105955,public
X-Google-Thread: fbf4d,49fc0010e7628fcc
X-Google-Attributes: gidfbf4d,public
X-Google-Thread: fa656,49fc0010e7628fcc
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb049,49fc0010e7628fcc
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2000-12-14 02:04:02 PST
Path: supernews.google.com!sn-xit-02!supernews.com!isdnet!newsfeeds.belnet.be!
news.belnet.be!btnet-peer1!btnet-feed5!btnet!mendelevium.btinternet.com!not-for-
mail
```

From: "Paul Westwell" <paulw@btinternet.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.radio-shack,att.ham-radio,rec.ham-radio,rec.radio.amateur
Subject: Thames Valley Repeater Group
Date: Thu, 14 Dec 2000 08:20:46 -0000
Organization: BT Internet
Lines: 15
Message-ID: <91a5m7$p5k$1@plutonium.btinternet.com>
NNTP-Posting-Host: 213.122.156.144
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Xref: supernews.google.com alt.ham-radio.vhf-uhf:2259 rec.radio.amateur:300

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Paul
G4HLF

From 8152320912906085794
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49fc0010e7628fcc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105955,49fc0010e7628fcc
X-Google-Attributes: gid105955,public
X-Google-Thread: fb049,49fc0010e7628fcc
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa656,49fc0010e7628fcc
X-Google-Attributes: gidfa656,public
X-Google-Thread: fbf4d,49fc0010e7628fcc
X-Google-Attributes: gidfbf4d,public
X-Google-ArrivalTime: 2000-12-14 02:13:05 PST
Path: supernews.google.com!sn-xit-02!supernews.com!newsfeed.online.be!newsfeeds.belnet.be!news.belnet.be!btnet-peer1!btnet-feed5!btnet!mendelevium.btinternet.com!not-for-mail
From: "Paul Westwell" <paulw@btinternet.com>
Newsgroups: alt.ham-radio.vhf-uhf,alt.radio-shack,att.ham-radio,rec.ham-radio,rec.radio.amateur
Subject: Thames Valley Repeater Group
Date: Thu, 14 Dec 2000 08:20:46 -0000

Organization: BT Internet
Lines: 15
Message-ID: <91a67d$dah$1@neptunium.btinternet.com>
NNTP-Posting-Host: 213.122.156.144
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Xref: supernews.google.com alt.ham-radio.vhf-uhf:2260 rec.radio.amateur:301

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Paul
G4HLF

From -587573718275657593
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49fc0010e7628fcc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105955,49fc0010e7628fcc
X-Google-Attributes: gid105955,public
X-Google-Thread: fb049,49fc0010e7628fcc
X-Google-Attributes: gidfb049,public
X-Google-Thread: fbf4d,49fc0010e7628fcc
X-Google-Attributes: gidfbf4d,public
X-Google-Thread: fa656,49fc0010e7628fcc
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2000-12-14 02:41:00 PST
Path: supernews.google.com!sn-xit-02!supernews.com!wn4feed!worldnet.att.net!128.230.129.106!news.maxwell.syr.edu!newspeer.monmouth.com!news.gate.net!nntp.seflin.org!lpdavies
From: lpdavies@bc.seflin.org (Leslie Paul Davies)
Newsgroups: alt.ham-radio.vhf-uhf,alt.radio-shack,att.ham-radio,rec.ham-radio,rec.radio.amateur
Subject: Re: Thames Valley Repeater Group
Followup-To: alt.ham-radio.vhf-uhf,alt.radio-shack,att.ham-radio,rec.ham-radio,rec.radio.amateur
Date: 14 Dec 2000 10:26:44 GMT
Organization: SEFLIN Free-Net
Lines: 9
Message-ID: <91a794$8dr@nntp.seflin.org>

References: <919vu6$6rv$1@neptunium.btinternet.com>
NNTP-Posting-Host: bc.seflin.org
X-Newsreader: TIN [version 1.2 PL2]
Xref: supernews.google.com alt.ham-radio.vhf-uhf:2261 rec.radio.amateur:302

You seem to be repeating quite well!

GL
--
Paul W2SYF/4 Ft Lauderdale EL96vc
"Heisenberg may have slept here... "
Leslie Paul Davies
lpdavies@bc.seflin.org

From 2687354177163488322
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49fc0010e7628fcc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105955,49fc0010e7628fcc
X-Google-Attributes: gid105955,public
X-Google-Thread: fbf4d,49fc0010e7628fcc
X-Google-Attributes: gidfbf4d,public
X-Google-Thread: fb049,49fc0010e7628fcc
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa656,49fc0010e7628fcc
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2000-12-14 05:30:51 PST
Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!cyclone-sjo1.usenetserver.com!news-out.usenetserver.com!cyclone-pass-sjo.usenetserver.com!cyclone1.usenetserver.com!cyclone1.usenetserver.com!news-east.usenetserver.com.POSTED!not-for-mail
From: rhawk@negabits.net
Newsgroups: alt.ham-radio.vhf-uhf,alt.radio-shack,att.ham-radio,rec.ham-radio,rec.radio.amateur
Subject: Re: Thames Valley Repeater Group
Message-ID: <3a38cbe3.1355950@news.megabits.net>
References: <91a03u$srg$1@uranium.btinternet.com>
X-Newsreader: Forte Free Agent 1.1/32.230
Lines: 26
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
X-Complaints-To: abuse@webusenet.com
NNTP-Posting-Date: Thu, 14 Dec 2000 08:27:26 EST
Organization: WebUseNet Corp http://www.usenetserver.com - Home of the fastest NNTP servers on the Net.
Date: Thu, 14 Dec 2000 13:36:42 GMT
Xref: supernews.google.com alt.ham-radio.vhf-uhf:2262 rec.radio.amateur:307

Was it Really neccessary to post this 14 Times. If it were
not obveious I would think you were having an auction on eBay. <G>

Looks like your News Reader software went Balistic..

Bob

On Thu, 14 Dec 2000 08:20:46 -0000, "Paul Westwell"
<paulw@btinternet.com> wrote:

>The Thames Valley Repeater Group has a new website at www.tvrg.org.uk
>
>The group operates four repeaters in the Thames Valley area, GB3AW, GB3BK,
>GB3BN and GB3BN.
>
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>visit the webpage for all the latest news on the move.
>
>All comments on the website style and content are most welcome.
>
>Paul
>G4HLF
>
>

From 8140796872510742653
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb2756b9a31efbd9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,bb2756b9a31efbd9,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: fc2a5,bb2756b9a31efbd9,start
X-Google-Attributes: gidfc2a5,public
X-Google-ArrivalTime: 2000-12-14 17:11:51 PST
Path: supernews.google.com!sn-xit-02!supernews.com!isdnet!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!nntp.flash.net!news.flash.net!not-for-mail
Message-ID: <3A396FD2.3FE937E6@flash.net>
From: satyrs <satyrs@flash.net>
X-Mailer: Mozilla 4.72 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.radio.amateur.homebrew,alt.ham-radio.hf,rec.ham-radio
Subject: Question and help request on HP spectrum analyzer
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 39
Date: Fri, 15 Dec 2000 01:11:50 GMT
NNTP-Posting-Host: 64.48.192.195
X-Complaints-To: abuse@flash.net
X-Trace: news.flash.net 976842710 64.48.192.195 (Thu, 14 Dec 2000 19:11:50 CST)
NNTP-Posting-Date: Thu, 14 Dec 2000 19:11:50 CST
Organization: FlashNet Communications, http://www.flash.net

```
Xref: supernews.google.com rec.radio.amateur.homebrew:2722 alt.ham-radio.hf:102
```

I recently purchased an HP 8557A spectrum analyzer, and have been using it as a band scope for the ham station. I connected the input of the analyzer to the IF output of my FT1000, tuned the analyzer to the 74.62MHz IF frequency, and it really works well.

Problem is, the analyzer drifts like crazy, and I find that I have to tweak the frequency control on the analyzer all the time to keep the display centered where it should be. This makes it a bit difficult to read the display to determine the frequency of those quiet spots on the band.

First question, has anyone have experience with the 8557A? Is a lot of drift in the frequency tuning normal, or do I have a defective unit? It gets more stable after an hour or so of warmup, but the drift after that is still significant, maybe 10-15KHz/minute or more. It doesn't take long before the center frequency is clear off the scope at 5KHz/division.

Second question, if the drift is fairly normal, has anyone looked into some method of stabilizing the local oscillator in the analyzer? According to the maual, the first LO in the analyzer tunes from 521.4 to 871.4 MHz, which translates to the 0-350MHZ range of the unit. Might there be a way to build an outboard synthesized oscillator to replace the analyzer's LO?

My other option that I have been thinking about is to purchase a RF Generator that is synthesized and put a pushbutton switch that switches from the RF generator to the input from the radio. I could then quickly see the deviation and tune the analyzer back to the correct center frequency. This all sounds kuldgey though.

If anyone has any ideas, I would appreciate them. Please email me at rbrocaw@flash.net. Many thanks for reading this post.

73,
Dick
K5VYT
rbrocaw@flash.net

```
From -4447500156791224526
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49fc0010e7628fcc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fbf4d,49fc0010e7628fcc
X-Google-Attributes: gidfbf4d,public
X-Google-Thread: fb049,49fc0010e7628fcc
X-Google-Attributes: gidfb049,public
X-Google-Thread: 105955,49fc0010e7628fcc
X-Google-Attributes: gid105955,public
```

```
X-Google-Thread: fa656,49fc0010e7628fcc
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2000-12-17 10:34:45 PST
Path: supernews.google.com!sn-xit-02!supernews.com!216.227.56.88.MISMATCH!
telocity-west!TELOCITY!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!
cyclone0.chicago.il.ameritech.net!spamfilter!
nntp0.chicago.il.ameritech.net.POSTED!not-for-mail
Message-ID: <3A3D06DE.CD3E1BA2@ameritech.net>
From: Royal Cole <royal_cole@ameritech.net>
X-Mailer: Mozilla 4.72 [en]C-CCK-MCD NSCPCD472  (Win95; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.vhf-uhf,alt.radio-shack,att.ham-radio,rec.ham-
radio,rec.radio.amateur
Subject: Re: Thames Valley Repeater Group
References: <91a5m7$p5k$1@plutonium.btinternet.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 18
Date: Sun, 17 Dec 2000 12:33:02 -0600
NNTP-Posting-Host: 199.179.173.47
X-Trace: nntp0.chicago.il.ameritech.net 977078072 199.179.173.47 (Sun, 17 Dec 2000
12:34:32 CST)
NNTP-Posting-Date: Sun, 17 Dec 2000 12:34:32 CST
Organization: Ameritech.Net www.ameritech.net  Complaints: abuse@ameritech.net
Xref: supernews.google.com alt.ham-radio.vhf-uhf:2321 rec.radio.amateur:340

Get a life, junk this sort of crap and useless messaging, growup.


Paul Westwell wrote:
>
> The Thames Valley Repeater Group has a new website at www.tvrg.org.uk
>
> The group operates four repeaters in the Thames Valley area, GB3AW, GB3BK,
> GB3BN and GB3BN.
>
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> visit the webpage for all the latest news on the move.
>
> All comments on the website style and content are most welcome.
>
> Paul
> G4HLF


From -4806849042240164552
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fc734,8bbb17fe51a00efb,start
X-Google-Attributes: gidfc734,public
X-Google-Thread: 10c9e3,8bbb17fe51a00efb,start
X-Google-Attributes: gid10c9e3,public
```

```
X-Google-Thread: 108122,8bbb17fe51a00efb,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,8bbb17fe51a00efb,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 114a57,8bbb17fe51a00efb,start
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2000-12-17 13:14:10 PST
Path: supernews.google.com!sn-xit-02!supernews.com!news.infoave.net!
cyclone2.usenetserver.com!news-out.usenetserver.com!feed2.onemain.com!
feed1.onemain.com!nntp2.onemain.com.POSTED!not-for-mail
From: "Danny Britton" <dbritton@usit.net>
Newsgroups: alt.ham-radio.hf,alt.ham-radio.ssb,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur.equipment
Subject: Help Lafayette Tube Tester
Lines: 9
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <tV9%5.10999$sw.816480@nntp2.onemain.com>
Date: Sun, 17 Dec 2000 16:19:41 -0500
NNTP-Posting-Host: 216.80.145.207
X-Complaints-To: abuse@onemain.com
X-Trace: nntp2.onemain.com 977087193 216.80.145.207 (Sun, 17 Dec 2000 16:06:33
EST)
NNTP-Posting-Date: Sun, 17 Dec 2000 16:06:33 EST
Xref: supernews.google.com alt.ham-radio.hf:109 rec.radio.amateur.equipment:6735
```

I have a model TE-50 that has had a meter replacement. Doesn't work right.
Need info as to resistance or FS meter voltage so I can make work. Reply to
dbritton@usit.net.

Thanks

KB4TEO

```
From 4702292854218925532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 110c4e,8e8c57530e86c510,start
X-Google-Attributes: gid110c4e,public
X-Google-Thread: 108228,8e8c57530e86c510,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,8e8c57530e86c510,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,8e8c57530e86c510,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 10ed5f,8e8c57530e86c510,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f76e2,8e8c57530e86c510,start
X-Google-Attributes: gidf76e2,public
```

```
X-Google-ArrivalTime: 2001-01-07 14:48:43 PST
Path: supernews.google.com!sn-xit-02!supernews.com!news.infoave.net!
feed.cgocable.net!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!
feed2.onemain.com!feed1.onemain.com!nntp3.onemain.com.POSTED!not-for-mail
From: "MSG" <xradmanx@txogether.net>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,rec.ham-radio,rec.ham-
radio.swap,rec.radio.commercial-lmr,rec.radio.swap
Subject: FA: Motorola PA, 3 day, NR, 36-42 Mhz, starts at $10.00
Lines: 5
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <jF_56.8044$O82.393990@nntp3.onemain.com>
Date: Sun, 7 Jan 2001 09:03:42 -0500
NNTP-Posting-Host: 209.91.55.172
X-Complaints-To: abuse@onemain.com
X-Trace: nntp3.onemain.com 978876111 209.91.55.172 (Sun, 07 Jan 2001 09:01:51 EST)
NNTP-Posting-Date: Sun, 07 Jan 2001 09:01:51 EST
Xref: supernews.google.com alt.ham-radio.marketplace:2451 rec.ham-radio.swap:160
rec.radio.swap:19578

This is a relist, did not sell first time, lowered all prices to sell quick.

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1204901181




From 6311979109279552591
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5f6c011ce9a85844,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115af6,5f6c011ce9a85844,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: fa656,5f6c011ce9a85844,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108122,5f6c011ce9a85844,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fddbf,5f6c011ce9a85844,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 2001-01-10 12:51:13 PST
Path: supernews.google.com!sn-xit-02!supernews.com!news.gv.tsc.tdk.com!
news.iac.net!news-out.cwix.com!newsfeed.cwix.com!news-peer.gip.net!news.gsl.net!
gip.net!feeder.qis.net!btnet-peer!btnet-feed2!btnet!bt !not-for-mail
From: "paul Waldren" <paul.waldren@bt.com>
Newsgroups: rec.ham-radio,rec.ham-
radio.packet,rec.radio,rec.radio.amateur,rec.radio.amateur.equipment
Subject: Amateur radio gear for sale
Date: Wed, 10 Jan 2001 20:39:54 -0000
Organization: BT Adastral Park, Martlesham Heath, Ipswich, UK
Lines: 16
Message-ID: <93ihs2$8hn$1@pheidippides.axion.bt.co.uk>
```

```
Reply-To: "paul Waldren" <paul.waldren@bt.com>
NNTP-Posting-Host: 10.243.130.39
X-Trace: pheidippides.axion.bt.co.uk 979159746 8759 10.243.130.39 (10 Jan 2001
20:49:06 GMT)
X-Complaints-To: postmaster@axion.bt.co.uk
NNTP-Posting-Date: 10 Jan 2001 20:49:06 GMT
X-Newsreader:  Microsoft Outlook Express 5.00.3018.1300
X-MSMail-Priority:  Normal
X-Priority:  3
X-MimeOLE:  Produced By Microsoft MimeOLE V5.00.3018.1300
Xref: supernews.google.com rec.radio.amateur:623 rec.radio.amateur.equipment:7832

Due to a recent berievment in the family, I have a load of radio (and
miscellaneous
electronic) gear to sell.
We live in Maidstone, Kent and any equipment can be viewed/tried before
purchase.
A 10% contribution will be made to charity for each purchase.

I am compiling an online catalogue at the moment, which can be viewed at
http://www.bstard.com/dadradio


Regards,

Paul Waldren.




From 5264524163124871641
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6e9fd83bd20963d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f62cc,c6e9fd83bd20963d,start
X-Google-Attributes: gidf62cc,public
X-Google-Thread: fb6c1,c6e9fd83bd20963d,start
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: fcc6e,c6e9fd83bd20963d,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 108778,c6e9fd83bd20963d,start
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2001-01-13 04:28:04 PST
Path: supernews.google.com!sn-xit-03!supernews.com!freenix!codeine.org!
newsfeeds.belnet.be!news.belnet.be!skynet.be!newspush.london1.eu.level3.net!
level3eu!server12-ams1.POSTED!not-for-mail
From: "W.T.M.Wessling" <wtm.wessling@freeler.nl>
Newsgroups:
alt.nl.radio.zendamateur.gelicentieerd,alt.radio.amateur,nl.radio.amateur,rec.ham-
radio,rec.radio.amateur.antenna
Subject: HF Vertical all band antenna MFJ-1798
Lines: 19
X-Priority: 3
```

X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Organization: WISH B.V.
Message-ID: <979390213.193766@news.l3.wish.net>
Cache-Post-Path: news.l3.wish.net!unknown@p10714.nl.wish.net
X-Cache: nntpcache 2.4.0b2 (see http://www.nntpcache.org/)
Date: Sat, 13 Jan 2001 13:28:55 +0100
NNTP-Posting-Host: 212.123.129.69
X-Trace: server12-ams1 979388783 212.123.129.69 (Sat, 13 Jan 2001 12:26:23 GMT)
NNTP-Posting-Date: Sat, 13 Jan 2001 12:26:23 GMT
Xref: supernews.google.com alt.nl.radio.zendamateur.gelicentieerd:2649
nl.radio.amateur:4002 rec.radio.amateur.antenna:15428

Hello,
does anyone has experiences with the All Band vertical antenna MFJ-1798 (10
bands, 80 Meter thru 2 Meter, vertical antenna)
Is it worth the price? (about $300 or NFL. 995,=).

I don't want to be disappointed about de SWR.

Thanks for answering me,
pa8wim@amsat.org

73,
Wim

From 5751668431926647940
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6e9fd83bd20963d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,c6e9fd83bd20963d
X-Google-Attributes: gid108778,public
X-Google-Thread: fcc6e,c6e9fd83bd20963d
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f62cc,c6e9fd83bd20963d
X-Google-Attributes: gidf62cc,public
X-Google-Thread: fb6c1,c6e9fd83bd20963d
X-Google-Attributes: gidfb6c1,public
X-Google-ArrivalTime: 2001-01-13 10:19:50 PST
Path: supernews.google.com!sn-xit-02!supernews.com!news.gv.tsc.tdk.com!
newsfeed.berkeley.edu!ucberkeley!netnews.com!newsfeed2.earthlink.net!
newsfeed.earthlink.net!newsmaster1.prod.itd.earthlink.net!
newsread2.prod.itd.earthlink.net.POSTED!not-for-mail
From: "Dennis P. Stahr" <irfutures@earthlink.net>

Newsgroups: alt.nl.radio.zendamateur.gelicentieerd,alt.radio.amateur,nl.radio.amateur,rec.ham-radio,rec.radio.amateur.antenna
References: <979390213.193766@news.l3.wish.net>
Subject: Re: HF Vertical all band antenna MFJ-1798
Lines: 8
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <YX086.2402$ag.88541@newsread2.prod.itd.earthlink.net>
Date: Sat, 13 Jan 2001 18:16:24 GMT
NNTP-Posting-Host: 63.13.234.14
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread2.prod.itd.earthlink.net 979409784 63.13.234.14 (Sat, 13 Jan 2001 10:16:24 PST)
NNTP-Posting-Date: Sat, 13 Jan 2001 10:16:24 PST
Organization: EarthLink Inc. -- http://www.EarthLink.net
Xref: supernews.google.com alt.nl.radio.zendamateur.gelicentieerd:2657 nl.radio.amateur:4011 rec.radio.amateur.antenna:15452

This may be of some help.

http://www.eham.net/reviews/detail/853

Dennis - KF2XL

From 887397707470461759
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,71cbd1ad611e6a5f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,71cbd1ad611e6a5f,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,71cbd1ad611e6a5f,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,71cbd1ad611e6a5f,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: f64c6,71cbd1ad611e6a5f,start
X-Google-Attributes: gidf64c6,public
X-Google-ArrivalTime: 2001-01-13 20:48:03 PST
Path: supernews.google.com!sn-xit-03!supernews.com!news-out.usenetserver.com!news.tele.dk!212.54.64.131!news100.image.dk!news010.worldonline.dk.POSTED!not-for-mail
Reply-To: "OZ50MHz DX Bulletin - Editor OZ6OM" <no_spammail@sol.dk>
From: "OZ50MHz DX Bulletin - Editor OZ6OM" <nospammail_oz6om@qsl.net>
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.misc,uk.radio.amateur
Subject: 50 MHz DX News

```
Lines: 14
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2314.1300
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
Message-ID: <S9a86.3292$0P2.104913@news010.worldonline.dk>
Date: Sun, 14 Jan 2001 04:44:48 -0000
NNTP-Posting-Host: 212.54.69.81
X-Complaints-To: news-abuse@wol.dk
X-Trace: news010.worldonline.dk 979447538 212.54.69.81 (Sun, 14 Jan 2001 05:45:38
MET)
NNTP-Posting-Date: Sun, 14 Jan 2001 05:45:38 MET
Organization: Customer of World Online Denmark A/S
Xref: supernews.google.com rec.radio.amateur:657 rec.radio.amateur.dx:1455
rec.radio.amateur.misc:10304 uk.radio.amateur:15370
```

Dr OM/YL

This mail to inform interested that the latest
edition of the OZ50MHz DX Bulletin, #01-002
is now uploaded at my website, at the adress;

http://www.qsl.net/oz6om/

Please have in mind that the OZ50MHz DX Bulletin
usually is uploaded late Saturday evening (UT time)

vy 73 de OZ6OM / OZ7M "Matt"

```
From -7149884113076060137
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,c6e9fd83bd20963d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb6c1,c6e9fd83bd20963d
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: f62cc,c6e9fd83bd20963d
X-Google-Attributes: gidf62cc,public
X-Google-Thread: 108778,c6e9fd83bd20963d
X-Google-Attributes: gid108778,public
X-Google-Thread: fcc6e,c6e9fd83bd20963d
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2001-01-14 12:52:03 PST
Path: supernews.google.com!sn-xit-03!supernews.com!news-feed.riddles.org.uk!
newsengine.sol.net!newspump.sol.net!news.execpc.com!newspeer.sol.net!
207.172.3.44.MISMATCH!feed2.news.rcn.net!rcn!howland.erols.net!nntp.flash.net!
news.flash.net!not-for-mail
Message-ID: <3A6210DD.C599ADB4@rchrd.com>
From: Richard Friedman <rchrd@rchrd.com>
Reply-To: rchrd@rchrd.com
Organization: www.rchrd.com
```

```
X-Mailer: Mozilla 4.76 (Macintosh; U; PPC)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups:
alt.nl.radio.zendamateur.gelicentieerd,alt.radio.amateur,nl.radio.amateur,rec.ham-
radio,rec.radio.amateur.antenna
Subject: Re: HF Vertical all band antenna MFJ-1798
References: <979390213.193766@news.l3.wish.net>
<YX086.2402$ag.88541@newsread2.prod.itd.earthlink.net>
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit
Lines: 11
Date: Sun, 14 Jan 2001 20:49:34 GMT
NNTP-Posting-Host: 63.203.72.126
X-Complaints-To: abuse@flash.net
X-Trace: news.flash.net 979505374 63.203.72.126 (Sun, 14 Jan 2001 14:49:34 CST)
NNTP-Posting-Date: Sun, 14 Jan 2001 14:49:34 CST
Xref: supernews.google.com alt.nl.radio.zendamateur.gelicentieerd:2700
nl.radio.amateur:4032 rec.radio.amateur.antenna:15562

Any reports on the 6-band vertical MFJ-1796?
Its 12' and supposidly could be used portable.




--
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
| Richard Friedman  KG6EMF  rchrd@rchrd.com  Oakland, CA  http://www.rchrd.com |
|          � Information Architect, Technical Communications, Sun Microsystems |
|          � Instructor, Univ California Berkeley Extension                    |
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=


From -3387333621609653538
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3920ec15c9ef1a93,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,3920ec15c9ef1a93,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,3920ec15c9ef1a93,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f4535,3920ec15c9ef1a93,start
X-Google-Attributes: gidf4535,public
X-Google-Thread: 106d41,3920ec15c9ef1a93,start
X-Google-Attributes: gid106d41,public
X-Google-ArrivalTime: 2001-01-28 05:39:21 PST
Path: supernews.google.com!sn-xit-02!supernews.com!news.gv.tsc.tdk.com!
newsfeed.berkeley.edu!ucberkeley!nntp.primenet.com!nntp.gblx.net!
nntp.giganews.com!nntp3.aus1.giganews.com!news5.aus1.giganews.com.POSTED!not-for-
mail
Message-ID: <3A742216.946ECD78@youraddress.com>
From: DJ and Tater <dcintheplace2b@gibralter.net>
Reply-To: dcintheplace2b@gibralter.net
```

```
Organization: TCF
X-Mailer: Mozilla 4.7 [en]C-DIAL  (Win98; I)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.audio.tubes,rec.ham-radio,rec.ham-
radio.swap,rec.radio.cb,rec.radio.amateur
Subject: FA: 6146Bs-4CX5000-Socket-12AX7-6AQ5&more
Content-Type: multipart/alternative;
 boundary="------------3396E7952E1A25C139BDA246"
Lines: 30
NNTP-Posting-Date: Sun, 28 Jan 2001 07:38:30 CST
X-Trace: sv2-
ocJWSoJmV7ucYQl795s9DV6dgP8MBiIoIu8xcVJYIroHKcsHsS6iyowKWEBTLsQIjp+0hpERoeR2k4T!
Y9tQ8HbhEcFy1xL4nVjX00JynYR2
X-Complaints-To: abuse@GigaNews.Com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
Date: Sun, 28 Jan 2001 13:38:30 GMT
Xref: supernews.google.com rec.audio.tubes:12516 rec.ham-radio.swap:212
rec.radio.cb:24129 rec.radio.amateur:812


--------------3396E7952E1A25C139BDA246
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

 1210391389 !!!4 MOTOROLA STAR TAC CELL PHONES & ACC!!!!
 1210434073  4CX5000 Transmitter Tetrode
1210441569 SK300 Socket&Chimney for 4CX5000/10000/15000
1210445281 6146B tubes - pair, NIB?
1210453771 Tubes - 12AX7/12AT7/7551/6AQ5/12BY7/more!!!

--------------3396E7952E1A25C139BDA246
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<!doctype html public "-//w3c//dtd html 4.0 transitional//en">
<html>
&nbsp;<a href="http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?
ViewItem&item=1210391389">1210391389</a>
!!!4 MOTOROLA STAR TAC CELL PHONES &amp; ACC!!!!
<br>&nbsp;<a href="http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?
ViewItem&item=1210434073">1210434073</a>&nbsp;
4CX5000 Transmitter Tetrode
<br><a href="http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?
ViewItem&item=1210441569">1210441569</a>
SK300 Socket&amp;Chimney for 4CX5000/10000/15000
<br><a href="http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?
ViewItem&item=1210445281">1210445281</a>
6146B tubes - pair, NIB?
<br><a href="http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?
ViewItem&item=1210453771">1210453771</a>
Tubes - 12AX7/12AT7/7551/6AQ5/12BY7/more!!!</html>
```

```
--------------3396E7952E1A25C139BDA246--
```

```
From -3845164809263852116
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d772968a1a02c5d4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa262,d772968a1a02c5d4,start
X-Google-Attributes: gidfa262,public
X-Google-Thread: 107ada,d772968a1a02c5d4,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1109af,d772968a1a02c5d4,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 10ed5f,d772968a1a02c5d4,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-01-29 17:10:11 PST
Path: supernews.google.com!sn-xit-02!supernews.com!news.tele.dk!128.230.129.106!
news.maxwell.syr.edu!newsfeed.slurp.net!not-for-mail
From: "Steve Baker" <nospam-kb9hgi@qsl.net>
Newsgroups: alt.ham-radio,rec.ham-
radio,rec.radio.amateur.misc,rec.radio.misc,rec.radio.swap
Subject: Alinco DR-592 Question
Lines: 9
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Organization: accessUS Internet Services
Message-ID: <980816810.948773@news.accessus.net>
Cache-Post-Path: news.accessus.net!unknown@quincy-5.dialup.accessus.net
X-Cache: nntpcache 2.4.0b2 (see http://www.nntpcache.org/)
Date: Mon, 29 Jan 2001 19:07:08 -0600
NNTP-Posting-Host: 209.145.150.24
X-Trace: newsfeed.slurp.net 980816761 209.145.150.24 (Mon, 29 Jan 2001 19:06:01
CDT)
NNTP-Posting-Date: Mon, 29 Jan 2001 19:06:01 CDT
Xref: supernews.google.com rec.radio.amateur.misc:11757 rec.radio.swap:22140
```

Hello,
I just bought a Alinco DR-592 dual band mobile. Does this thing receive 800 mhz and on the VHF side AM aircraft. I know it reads out both and was just wondering? Know any tips tricks or mods for this radio? please reply by email to: pacman@bcl.net

73 Steve KB9HGI

```
From 910362585096482046
X-Google-Language: ENGLISH,ASCII-7-bit
```

```
X-Google-Thread: 10c9e3,d772968a1a02c5d4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,d772968a1a02c5d4
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 1109af,d772968a1a02c5d4
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,d772968a1a02c5d4
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa262,d772968a1a02c5d4
X-Google-Attributes: gidfa262,public
X-Google-ArrivalTime: 2001-01-31 18:35:32 PST
Path: supernews.google.com!sn-xit-02!sn-post-01!supernews.com!corp.supernews.com!not-for-mail
From: "Mike Yetsko" <joe@user.com>
Newsgroups: alt.ham-radio,rec.ham-radio,rec.radio.amateur.misc,rec.radio.misc,rec.radio.swap
Subject: Re: Alinco DR-592 Question
Date: Wed, 31 Jan 2001 21:30:25 -0500
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <t7hirjsjbi5152@corp.supernews.com>
References: <980816810.948773@news.accessus.net>
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: newsabuse@supernews.com
Lines: 31
Xref: supernews.google.com rec.radio.amateur.misc:11896 rec.radio.swap:22380
```

The 590 had the code to talk to an 800MHz module, which was a paddle board that was, as far as I know, NEVER provided as an option. I don't know if that paddle board also had the AM aircraft on it. There was a THIRD antenna connector on the back panel as well for 800mhz. Never used. I think the AM aircraft used the 2M antenna connector.

At one point, the AM aircraft was incorporated into the 59x product line, but I don't think the way it was implemented was 'compatible' with the way the 590 units did it, or expected it to be done.

As to the 592, I suppose the only way to find out is to open it up!

Mike

Steve Baker <nospam-kb9hgi@qsl.net> wrote in message news:980816810.948773@news.accessus.net...

> Hello,
> I just bought a Alinco DR-592 dual band mobile. Does this thing receive 800
> mhz and on the VHF side AM aircraft. I know it reads out both and was just
> wondering? Know any tips tricks or mods for this radio? please reply by

> email to: pacman@bcl.net
>
> 73 Steve KB9HGI
>
>

From -9017047114199703127
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,e592d106be78fc53,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,e592d106be78fc53,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f557d,e592d106be78fc53,start
X-Google-Attributes: gidf557d,public
X-Google-Thread: 114fbf,e592d106be78fc53,start
X-Google-Attributes: gid114fbf,public
X-Google-Thread: 10ed5f,e592d106be78fc53,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-02-01 19:29:17 PST
Path: supernews.google.com!sn-xit-02!sn-xit-01!supernews.com!newshub2.rdc1.sfba.home.com!news.home.com!news1.rdc2.pa.home.com.POSTED!not-for-mail
From: "Carmine Prestia" <cwp101@psu.edu>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.ham-radio.rtty,in.ham-radio,rec.ham-radio
Subject: FA: Hustler 6-BTV Antenna Traps on eBay
Lines: 9
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <hQpe6.24578$49.3922596@news1.rdc2.pa.home.com>
Date: Fri, 02 Feb 2001 03:29:17 GMT
NNTP-Posting-Host: 24.7.220.162
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.pa.home.com 981084557 24.7.220.162 (Thu, 01 Feb 2001 19:29:17 PST)
NNTP-Posting-Date: Thu, 01 Feb 2001 19:29:17 PST
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: supernews.google.com alt.ham-radio.marketplace:2842 in.ham-radio:32

Four traps for Hustler Vertical being auctioned on eBay:

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1212019969

Thank you.
Carmine Prestia

```
From -492137158608253745
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2a750818f4672b9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,e2a750818f4672b9,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1109af,e2a750818f4672b9,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,e2a750818f4672b9,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2001-02-04 05:16:11 PST
Path: supernews.google.com!sn-xit-02!sn-xit-04!supernews.com!
europa.netcrusader.net!205.252.116.205!howland.erols.net!nntp.flash.net!
news.flash.net!not-for-mail
From: "North Georgia Web Designs" <ngwd@flash.net>
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.swap,rec.radio.swap
Subject: Through The Glass Antenna Problem Help Requested!
Lines: 18
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <vCcf6.4063$tv5.266860@news.flash.net>
Date: Sun, 04 Feb 2001 13:16:11 GMT
NNTP-Posting-Host: 38.30.162.110
X-Complaints-To: abuse@flash.net
X-Trace: news.flash.net 981292571 38.30.162.110 (Sun, 04 Feb 2001 07:16:11 CST)
NNTP-Posting-Date: Sun, 04 Feb 2001 07:16:11 CST
Organization: FlashNet Communications, http://www.flash.net
Xref: supernews.google.com rec.ham-radio.swap:225 rec.radio.amateur.swap:313
rec.radio.swap:22779
```

Okay here is my problem. Just purchased the Radio Shack through the glass antenna. The "Glue" did'nt hold. What can I do now?! The only part of the antenna connection that is solid is the outside, no problem with that "glue" its on the glass with no problem, however the inside of the truck I can't get it to stick! What can I use that will keep it together, please help!
Reply directly since I most likely wont be checking until next weekend.
Email ngwd@flash.net

73 Daniel KC4OXP
Winder, Georgia

P.S. On another topic, I do have a Larson Mag Mount, a 2000 Toyota PreRunner, does anyone know (without drilling a hole) how I can get the coax into the truck without drilling? Thanks!

```
From -5775291597742128599
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2a750818f4672b9
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,e2a750818f4672b9
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,e2a750818f4672b9
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,e2a750818f4672b9
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2001-02-04 17:19:02 PST
Path: supernews.google.com!sn-xit-02!supernews.com!isdnet!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!news.stealth.net!24.30.200.2.MISMATCH!
news-east.rr.com!cyclone-west.rr.com!news.rr.com!news-west.rr.com!
lsnws01.we.mediaone.net!cyclone-LA3.rr.com!typhoon.we.rr.com.POSTED!not-for-mail
From: "Eddie Haskell" <harleybum@easyriders.com>
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.swap,rec.radio.swap
References: <vCcf6.4063$tv5.266860@news.flash.net>
Subject: Re: Through The Glass Antenna Problem Help Requested!
Lines: 5
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Message-ID: <5cnf6.169569$y9.30055219@typhoon.we.rr.com>
Date: Mon, 05 Feb 2001 01:18:57 GMT
NNTP-Posting-Host: 24.130.193.48
X-Complaints-To: abuse@mediaone.net
X-Trace: typhoon.we.rr.com 981335937 24.130.193.48 (Sun, 04 Feb 2001 17:18:57 PST)
NNTP-Posting-Date: Sun, 04 Feb 2001 17:18:57 PST
Organization: Road Runner
Xref: supernews.google.com rec.ham-radio.swap:230 rec.radio.amateur.swap:319
rec.radio.swap:22863
```

I suspect that the surface of the glass MIGHT be a little curved? The one lucky part for you is that Radio-Shack WILL take it back, just tell them it didn't fit your needs :) Eddie

---

```
From -4978584661917819501
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2a750818f4672b9
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,e2a750818f4672b9
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,e2a750818f4672b9
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,e2a750818f4672b9
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2001-02-10 07:05:54 PST
```

Path: supernews.google.com!sn-xit-02!supernews.com!news.tele.dk!204.71.34.15!news-out.cwix.com!newsfeed.cwix.com!sjc-peer.news.verio.net!news.verio.net!feeder.nmix.net!reader.nmix.net!oracle.zianet.com!ruidoso0329.zianet.com
From: "Ed Juge/NM" <ed_juge@zianet.com>
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: Through The Glass Antenna Problem Help Requested!
Date: Sat, 10 Feb 2001 07:35:24 -0700
Organization: NMIX
Lines: 30
Message-ID: <3a8559b8.0@oracle.zianet.com>
References: <vCcf6.4063$tv5.266860@news.flash.net>
Reply-To: "Ed Juge/NM" <ed@juge.org>
NNTP-Posting-Host: oracle.zianet.com
X-Trace: reader.nmix.net 981817490 25979 204.134.124.52 (10 Feb 2001 15:04:50 GMT)
X-Complaints-To: news@nmix.net
NNTP-Posting-Date: 10 Feb 2001 15:04:50 GMT
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Xref: supernews.google.com rec.ham-radio.swap:231 rec.radio.amateur.swap:324 rec.radio.swap:23120

Be sure to clean the glass with alcohol before trying to glue to it. Inside windows build up a "film" that can keep the glue from sticking properly. If you're a smoker, I'd say this is particularly important.

Ed, W5EJ

"North Georgia Web Designs" <ngwd@flash.net> wrote in message news:vCcf6.4063$tv5.266860@news.flash.net...
> Okay here is my problem. Just purchased the Radio Shack through the glass
> antenna. The "Glue" did'nt hold. What can I do now?! The only part of the
> antenna connection that is solid is the outside, no problem with that
"glue"
> its on the glass with no problem, however the inside of the truck I can't
> get it to stick! What can I use that will keep it together, please help!
> Reply directly since I most likely wont be checking until next weekend.
> Email ngwd@flash.net
>
> 73 Daniel KC4OXP
> Winder, Georgia
>
> P.S. On another topic, I do have a Larson Mag Mount, a 2000 Toyota
> PreRunner, does anyone know (without drilling a hole) how I can get the
coax
> into the truck without drilling? Thanks!
>
>
>
>

From 1001105085085134822
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,1ad6c7e427c35bea,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,1ad6c7e427c35bea,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,1ad6c7e427c35bea,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,1ad6c7e427c35bea,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1156cd,1ad6c7e427c35bea,start
X-Google-Attributes: gid1156cd,public
X-Google-Thread: 1031c8,1ad6c7e427c35bea,start
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2001-02-10 13:36:45 PST
Path: supernews.google.com!sn-xit-02!supernews.com!nntp-relay.ihug.net!ihug.co.nz!feeder.via.net!nntp.primenet.com!nntp.gblx.net!nntp.flash.net!news.flash.net!not-for-mail
From: "North Georgia Web Designs" <ngwd@flash.net>
Newsgroups: alt.ham-radio.marketplace,atl.forsale,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.swap,rec.radio.swap
Subject: FS: Yaesu FT-5100 Dualbander Mobile & FS: ADI SENDER 145 HT
Lines: 19
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <Mvih6.4377$y03.280996@news.flash.net>
Date: Sat, 10 Feb 2001 21:36:44 GMT
NNTP-Posting-Host: 38.30.163.166
X-Complaints-To: abuse@flash.net
X-Trace: news.flash.net 981841004 38.30.163.166 (Sat, 10 Feb 2001 15:36:44 CST)
NNTP-Posting-Date: Sat, 10 Feb 2001 15:36:44 CST
Organization: FlashNet Communications, http://www.flash.net
Xref: supernews.google.com alt.ham-radio.marketplace:2929 rec.ham-radio.swap:234 rec.radio.amateur.swap:327 rec.radio.swap:23172

Thanks for reading my message.

I have the following items for sale. Please email me directly at ngwd@flash.net for more information.

Yaesu FT-5100 dualbander - excellent condition with mic and mounting bracket & Wiring Harness (No Manual)

ADI Sender 145 2 meter HT, excellent condition, 1 Battery good condition with wall charger. (No Manual)

Ham Radio Trades Possible, CASH ALWAYS ACCEPTED! Make REASONABLE OFFER On EITHER or BOTH. Again email directly to me at ngwd@flash.net

73 Daniel KC4OXP

P.S. Buyer pays shipping & Insurance from Georgia

From 5157483218467497725
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8784230e38f4bf55,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,8784230e38f4bf55,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2001-02-22 23:14:07 PST
Path: supernews.google.com!sn-xit-03!supernews.com!newsfeed.wirehub.nl!news.maxwell.syr.edu!newshub2.home.com!news.home.com!news1.rdc1.il.home.com.POSTED!not-for-mail
From: "Wx9ema" <Wx9ema@home.com>
Newsgroups: rec.ham-radio,rec.ham-radio.swap
Subject: NEW Auction MAHA-REXON RL-501
Lines: 32
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <v0ol6.3542$t67.154761@news1.rdc1.il.home.com>
Date: Fri, 23 Feb 2001 07:09:15 GMT
NNTP-Posting-Host: 24.183.56.104
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.il.home.com 982912155 24.183.56.104 (Thu, 22 Feb 2001 23:09:15 PST)
NNTP-Posting-Date: Thu, 22 Feb 2001 23:09:15 PST
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: supernews.google.com rec.ham-radio.swap:270

Dual Band Amateur Ham Radio Handheld
EBAY AUCTION Item #1216996273

For Sale : MAHA-REXON RL-501 with 200 channel memory, Dual Band ht 2mt/440mhz with MAHA's NMH High-output battery pack. Last for aprox. 14hr of listening to the local repeater. I have the original box, packing and owners manual along with the ac charger and a custom leather case, and a speaker mic that I will include in this auction. Has seen little use, mostly during field day. I am selling to upgrade to the new APRS handheld, as I enjoy that aspect of the hobby more theses days. The unit is used but clean, small marks on the original antenna where the speaker mic was clipped for storage, but unharmed in anyway. I would rate this unit a 8 out of 10 on the looks scale, and a 10 for opperation. As with any used gear I will not accept any returns or refunds, and this unit is sold without any warranty, but I will state that this unit is fully functional on my desk as I place this auction listing.. I AM A PAYPAL VERIFIED Seller, I would like the winning accepted bidder to use PayPal with Visa or MasterCard etc.. much Quicker and it protects you against fraud, but will accept money order / certified bank

```
drafts, No personal Checks. Buyer to pay Fixed S/h of $10.00. US Bidders
Only. I reserve the right to offer to sell to the next highest bidder if the
winner has unexceptable bad feedback Rating.
----------------------------------------------------------------------------
----
On Feb-22-01 at 20:06:53 PST, seller added the following information:

I accept PayPal, the #1 payment service in online auctions!








From -3530323621078610711
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,63601f16b2bf9566,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f55c2,63601f16b2bf9566,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 1031c8,63601f16b2bf9566,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 108778,63601f16b2bf9566,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 108122,63601f16b2bf9566,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,63601f16b2bf9566,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fbf4d,63601f16b2bf9566,start
X-Google-Attributes: gidfbf4d,public
X-Google-Thread: 10ed5f,63601f16b2bf9566,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-02-24 18:57:44 PST
Path: supernews.google.com!sn-xit-02!supernews.com!nntp-relay.ihug.net!ihug.co.nz!
feeder.via.net!newshub2.rdc1.sfba.home.com!news.home.com!
news1.rdc1.il.home.com.POSTED!not-for-mail
From: "Wx9ema" <Wx9ema@home.com>
Newsgroups: alt.ham-radio,alt.ham-radio.mods,alt.radio.amateur,alt.radio-
shack,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap
Subject: Maha-Rexon Rl-501 Dual Band HT FS
Lines: 30
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <gv_l6.13788$t67.251369@news1.rdc1.il.home.com>
Date: Sun, 25 Feb 2001 02:56:12 GMT
NNTP-Posting-Host: 24.183.56.104
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.il.home.com 983069772 24.183.56.104 (Sat, 24 Feb 2001 18:56:12
PST)
NNTP-Posting-Date: Sat, 24 Feb 2001 18:56:12 PST
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: supernews.google.com alt.ham-radio.mods:296 rec.ham-radio.swap:283
rec.radio.amateur.equipment:9983 rec.radio.amateur.swap:396

Dual Band Amateur Ham Radio Handheld
EBAY AUCTION Item #1216996273

For Sale : MAHA-REXON RL-501 with 200 channel memory, Dual Band ht
2mt/440mhz with MAHA's NMH High-output battery pack. Last for aprox. 14hr of
listening to the local repeater. I have the original box, packing and owners
manual along with the ac charger and a custom leather case, and a speaker
mic that I will include in this auction. Has seen little use, mostly during
field day. I am selling to upgrade to the new APRS handheld, as I enjoy that
aspect of the hobby more theses days. The unit is used but clean, small
marks on the original antenna where the speaker mic was clipped for storage,
but unharmed in anyway. I would rate this unit a 8 out of 10 on the looks
scale, and a 10 for opperation. As with any used gear I will not accept any
returns or refunds, and this unit is sold without any warranty, but I will
state that this unit is fully functional on my desk as I place this auction
listing.. I AM A PAYPAL VERIFIED Seller, I would like the winning accepted
bidder to use PayPal with Visa or MasterCard etc.. much Quicker and it
protects you against fraud, but will accept money order / certified bank
drafts, No personal Checks. Buyer to pay Fixed S/h of $10.00. US Bidders
Only. I reserve the right to offer to sell to the next highest bidder if the
winner has unexceptable bad feedback Rating.
----------------------------------------------------------------------------
----
On Feb-22-01 at 20:06:53 PST, seller added the following information:

I accept PayPal, the #1 payment service in online auctions!






From 2492945493325387094
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f6ce10711a36d7b3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,f6ce10711a36d7b3,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa262,f6ce10711a36d7b3,start
X-Google-Attributes: gidfa262,public
X-Google-Thread: 107ada,f6ce10711a36d7b3,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108778,f6ce10711a36d7b3,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 1031c8,f6ce10711a36d7b3,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,f6ce10711a36d7b3,start
```

```
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2001-02-24 19:04:12 PST
Path: supernews.google.com!sn-xit-02!supernews.com!news.tele.dk!207.115.63.138!
newscon04.news.prodigy.com!prodigy.com!howland.erols.net!newshub2.home.com!
news.home.com!news1.rdc1.il.home.com.POSTED!not-for-mail
From: "Wx9ema" <Wx9ema@home.com>
Newsgroups: alt.radio.amateur,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.sw
ap,rec.radio.misc
Subject: Maha-Rexon Rl-501 Dual Band HT
Lines: 30
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <mA_l6.13824$t67.251511@news1.rdc1.il.home.com>
Date: Sun, 25 Feb 2001 03:01:38 GMT
NNTP-Posting-Host: 24.183.56.104
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.il.home.com 983070098 24.183.56.104 (Sat, 24 Feb 2001 19:01:38
PST)
NNTP-Posting-Date: Sat, 24 Feb 2001 19:01:38 PST
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: supernews.google.com rec.ham-radio.swap:284 rec.radio.amateur.equipment:9984
rec.radio.amateur.misc:13130 rec.radio.amateur.swap:397
```

Dual Band Amateur Ham Radio Handheld
EBAY AUCTION Item #1216996273

For Sale : MAHA-REXON RL-501 with 200 channel memory, Dual Band ht 2mt/440mhz with MAHA's NMH High-output battery pack. Last for aprox. 14hr of listening to the local repeater. I have the original box, packing and owners manual along with the ac charger and a custom leather case, and a speaker mic that I will include in this auction. Has seen little use, mostly during field day. I am selling to upgrade to the new APRS handheld, as I enjoy that aspect of the hobby more theses days. The unit is used but clean, small marks on the original antenna where the speaker mic was clipped for storage, but unharmed in anyway. I would rate this unit a 8 out of 10 on the looks scale, and a 10 for opperation. As with any used gear I will not accept any returns or refunds, and this unit is sold without any warranty, but I will state that this unit is fully functional on my desk as I place this auction listing.. I AM A PAYPAL VERIFIED Seller, I would like the winning accepted bidder to use PayPal with Visa or MasterCard etc.. much Quicker and it protects you against fraud, but will accept money order / certified bank drafts, No personal Checks. Buyer to pay Fixed S/h of $10.00. US Bidders Only. I reserve the right to offer to sell to the next highest bidder if the winner has unexceptable bad feedback Rating.

On Feb-22-01 at 20:06:53 PST, seller added the following information:

I accept PayPal, the #1 payment service in online auctions!

```
From 513970095478618157
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76505ef44f85ad67,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f557d,76505ef44f85ad67,start
X-Google-Attributes: gidf557d,public
X-Google-Thread: fb6c1,76505ef44f85ad67,start
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: f951f,76505ef44f85ad67,start
X-Google-Attributes: gidf951f,public
X-Google-Thread: f68a8,76505ef44f85ad67,start
X-Google-Attributes: gidf68a8,public
X-Google-ArrivalTime: 2001-02-25 08:54:07 PST
Path: supernews.google.com!sn-xit-03!supernews.com!news-out.usenetserver.com!news-
out.usenetserver.com!news3.bellglobal.com!nf2.bellglobal.com!
news20.bellglobal.com.POSTED!not-for-mail
Message-ID: <3A993A6E.33B93734@sympatico.ca>
From: M <M.bright@sympatico.ca>
X-Mailer: Mozilla 4.75 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: aus.radio.amateur.digital,francom.radio_amateur,in.ham-
radio,nl.radio.amateur,rec.ham-radio
Subject: Phoenix Sx/Vo9 Info ???
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 2
Date: Sun, 25 Feb 2001 16:53:42 GMT
NNTP-Posting-Host: 209.226.140.160
X-Trace: news20.bellglobal.com 983120022 209.226.140.160 (Sun, 25 Feb 2001
11:53:42 EST)
NNTP-Posting-Date: Sun, 25 Feb 2001 11:53:42 EST
Organization: Sympatico
Xref: supernews.google.com aus.radio.amateur.digital:218 in.ham-radio:34
nl.radio.amateur:4952
```

Does anyone have programing info for these radio's???

```
From -79278787944621318
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2bca02e45f2b0830,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,2bca02e45f2b0830,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fbf4d,2bca02e45f2b0830,start
X-Google-Attributes: gidfbf4d,public
```

```
X-Google-Thread: 107ada,2bca02e45f2b0830,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108778,2bca02e45f2b0830,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 108122,2bca02e45f2b0830,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f55c2,2bca02e45f2b0830,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: f76e2,2bca02e45f2b0830,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2001-02-27 18:48:09 PST
Path: supernews.google.com!sn-xit-03!supernews.com!newsswitch.lcs.mit.edu!
howland.erols.net!newshub2.home.com!news.home.com!news1.rdc1.il.home.com.POSTED!
not-for-mail
From: "Wx9ema" <Wx9ema@home.com>
Newsgroups: alt.ham-radio,alt.ham-radio.mods,alt.radio.amateur,alt.radio-
shack,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc
Subject: For Sale : MAHA-REXON RL-501
Lines: 45
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <%EZm6.28726$t67.433246@news1.rdc1.il.home.com>
Date: Wed, 28 Feb 2001 02:47:23 GMT
NNTP-Posting-Host: 24.183.56.104
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.il.home.com 983328443 24.183.56.104 (Tue, 27 Feb 2001 18:47:23
PST)
NNTP-Posting-Date: Tue, 27 Feb 2001 18:47:23 PST
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: supernews.google.com alt.ham-radio.mods:276 rec.ham-radio.swap:254
rec.radio.amateur.equipment:9639 rec.radio.amateur.misc:12643
```

Dual Band Amateur Ham Radio Handheld
EBAY AUCTION Item #1216996273

For Sale : MAHA-REXON RL-501 with 200 channel memory, Dual Band ht 2mt/440mhz with MAHA's NMH High-output battery pack. Last for aprox. 14hr of listening to the local repeater. I have the original box, packing and owners manual along with the ac charger and a custom leather case, and a speaker mic that I will include in this auction. Has seen little use, mostly during field day. I am selling to upgrade to the new APRS handheld, as I enjoy that aspect of the hobby more theses days. The unit is used but clean, small marks on the original antenna where the speaker mic was clipped for storage, but unharmed in anyway. I would rate this unit a 8 out of 10 on the looks scale, and a 10 for opperation. As with any used gear I will not accept any returns or refunds, and this unit is sold without any warranty, but I will

```
 state that this unit is fully functional on my desk as I place this auction
 listing.. I AM A PAYPAL VERIFIED Seller, I would like the winning accepted
 bidder to use PayPal with Visa or MasterCard etc.. much Quicker and it
 protects you against fraud, but will accept money order / certified bank
drafts, No personal Checks. Buyer to pay Fixed S/h of $10.00. US Bidders
Only. I reserve the right to offer to sell to the next highest bidder if the
winner has unexceptable bad feedback Rating.
 ---------------------------------------------------------------------------
-
 ----
 On Feb-22-01 at 20:06:53 PST, seller added the following information:

 I accept PayPal, the #1 payment service in online auctions!


 On Feb-27-01 at 18:35:50 PST, seller added the following information:
Here is a link to the specs as per some peoples request for more specs on
this unit : http://www.maha-comm.com/rexon/rl501/index.htm Just cut and
paste in to the address line and all will be provided the information you
request. By the way the 800mhz mod/out of band mod has completed.









From 1113579787157098305
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2bca02e45f2b0830
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,2bca02e45f2b0830
X-Google-Attributes: gid108122,public
X-Google-Thread: fbf4d,2bca02e45f2b0830
X-Google-Attributes: gidfbf4d,public
X-Google-Thread: 108778,2bca02e45f2b0830
X-Google-Attributes: gid108778,public
X-Google-Thread: f55c2,2bca02e45f2b0830
X-Google-Attributes: gidf55c2,public
X-Google-Thread: f76e2,2bca02e45f2b0830
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,2bca02e45f2b0830
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,2bca02e45f2b0830
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-02-28 03:35:54 PST
Path: supernews.google.com!sn-xit-02!supernews.com!news.gv.tsc.tdk.com!
falcon.america.net!sunqbc.risq.qc.ca!cpk-news-hub1.bbnplanet.com!news.gtei.net!
feed2.news.rcn.net!rcn!chnws02.mediaone.net!chnws06.ne.mediaone.net!24.128.8.202!
typhoon.ne.mediaone.net.POSTED!not-for-mail
From: rob8407cutthis@juno.com (Robert)
```

Newsgroups: alt.ham-radio,alt.ham-radio.mods,alt.radio.amateur,alt.radio-shack,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc
Subject: Re: For Sale : MAHA-REXON RL-501
Message-ID: <3a9ce235.34305394@news.ne.mediaone.net>
References: <%EZm6.28726$t67.433246@news1.rdc1.il.home.com>
X-Newsreader: Forte Agent 1.5/32.452
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 64
Date: Wed, 28 Feb 2001 11:33:44 GMT
NNTP-Posting-Host: 24.91.58.46
X-Complaints-To: abuse@mediaone.net
X-Trace: typhoon.ne.mediaone.net 983360024 24.91.58.46 (Wed, 28 Feb 2001 06:33:44 EST)
NNTP-Posting-Date: Wed, 28 Feb 2001 06:33:44 EST
Organization: Road Runner
Xref: supernews.google.com alt.ham-radio.mods:278 rec.ham-radio.swap:256 rec.radio.amateur.equipment:9667 rec.radio.amateur.misc:12656

Ebate, I love ebate, swapbate .

How much do you want for the 2meter radio.

Thank you

rob8407@juno.com

, 28 Feb 2001 02:47:23 GMT, "Wx9ema" <Wx9ema@home.com> wrote:

>Dual Band Amateur Ham Radio Handheld
> EBAY AUCTION Item #1216996273
>
> For Sale : MAHA-REXON RL-501 with 200 channel memory, Dual Band ht
> 2mt/440mhz with MAHA's NMH High-output battery pack. Last for aprox. 14hr
>of
> listening to the local repeater. I have the original box, packing and
>owners
> manual along with the ac charger and a custom leather case, and a speaker
> mic that I will include in this auction. Has seen little use, mostly during
> field day. I am selling to upgrade to the new APRS handheld, as I enjoy
>that
> aspect of the hobby more theses days. The unit is used but clean, small

```
> marks on the original antenna where the speaker mic was clipped for
>storage,
> but unharmed in anyway. I would rate this unit a 8 out of 10 on the looks
> scale, and a 10 for opperation. As with any used gear I will not accept any
>returns or refunds, and this unit is sold without any warranty, but I will
> state that this unit is fully functional on my desk as I place this auction
> listing.. I AM A PAYPAL VERIFIED Seller, I would like the winning accepted
> bidder to use PayPal with Visa or MasterCard etc.. much Quicker and it
> protects you against fraud, but will accept money order / certified bank
>drafts, No personal Checks. Buyer to pay Fixed S/h of $10.00. US Bidders
>Only. I reserve the right to offer to sell to the next highest bidder if the
>winner has unexceptable bad feedback Rating.
> ----------------------------------------------------------------------------
>-
> ----
> On Feb-22-01 at 20:06:53 PST, seller added the following information:
>
> I accept PayPal, the #1 payment service in online auctions!
>
>
> On Feb-27-01 at 18:35:50 PST, seller added the following information:
>Here is a link to the specs as per some peoples request for more specs on
>this unit : http://www.maha-comm.com/rexon/rl501/index.htm Just cut and
>paste in to the address line and all will be provided the information you
>request. By the way the 800mhz mod/out of band mod has completed.
>
>
>
>
>
>



From -780646732140282229
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b55e2da3b24559d4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,b55e2da3b24559d4,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,b55e2da3b24559d4,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,b55e2da3b24559d4,start
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2001-03-10 22:44:02 PST
Path: supernews.google.com!sn-xit-03!supernews.com!cyclone2.usenetserver.com!news-
sjo.usenetserver.com!news-out.usenetserver.com!newshub2.rdc1.sfba.home.com!
news.home.com!news1.sttls1.wa.home.com.POSTED!not-for-mail
Message-ID: <3AAB1E3F.5E5CEFBE@mac.com>
From: Grant Cunningham <grantcunningham@mac.com>
Reply-To: grantcunningham@mac.com
Organization: Macintosh: Not Just Another Beige Box
X-Mailer: Mozilla 4.76C-CCK-MCD {C-UDP; EBM-APPLE} (Macintosh; U; PPC)
```

X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio,rec.ham-radio,alt.ham-radio.hf,rec.radio.amateur
Subject: Rugged, portable HF rigs?
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 12
Date: Sun, 11 Mar 2001 06:42:12 GMT
NNTP-Posting-Host: 24.20.64.9
X-Complaints-To: abuse@home.net
X-Trace: news1.sttls1.wa.home.com 984292932 24.20.64.9 (Sat, 10 Mar 2001 22:42:12 PST)
NNTP-Posting-Date: Sat, 10 Mar 2001 22:42:12 PST
Xref: supernews.google.com alt.ham-radio.hf:446 rec.radio.amateur:1172

Well, the recent earthquake here in the Great Northwest have prompted me
to upgrade my communication capabilities. So, I'm upgrading to General
and looking at HF gear!

I want the general Net Wisdom on the most durable (under transport and
field conditions) and reliable HF gear - current or not. I want 2 radios
- a back-packable unit, and one to be used for base operations. What do
you recommend and why? (URL's would eb a big help!)

Thanks!

Grant, KD7JNW (and hoping to upgrade soon...)

From 3734451470787413966
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,8d1218103350b5d2,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,8d1218103350b5d2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8d1218103350b5d2,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10ed5f,8d1218103350b5d2,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-03-11 09:14:09 PST
Path: supernews.google.com!sn-xit-03!supernews.com!cyclone-sf.pbi.net!209.81.14.120!feeder.via.net!newshub2.rdc1.sfba.home.com!news.home.com!news1.rdc2.pa.home.com.POSTED!not-for-mail
From: "Carmine Prestia" <cwp101@psu.edu>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,rec.ham-radio,rec.radio.shortwave
Subject: FA: Yaesu FT-480R 2 Meter All Mode Transceiver
Lines: 13
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <cnOq6.17058$H5.3699828@news1.rdc2.pa.home.com>

```
Date: Sun, 11 Mar 2001 17:13:44 GMT
NNTP-Posting-Host: 24.7.220.162
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.pa.home.com 984330824 24.7.220.162 (Sun, 11 Mar 2001 09:13:44
PST)
NNTP-Posting-Date: Sun, 11 Mar 2001 09:13:44 PST
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: supernews.google.com alt.ham-radio.marketplace:3225
rec.radio.shortwave:28533

For Auction on eBay:

Non working FT-480.  Check out at:

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1221188818

Thank you for looking.

73- Carmine
K3CWP





From 5105030296562934005
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114a57,b55e2da3b24559d4
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10c9e3,b55e2da3b24559d4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,b55e2da3b24559d4
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,b55e2da3b24559d4
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-03-11 14:42:04 PST
Path: supernews.google.com!sn-xit-03!supernews.com!logbridge.uoregon.edu!
newsrouter.datasync.com!news.datasync.com!not-for-mail
From: "Don Arnold" <wxfreqrs@icqmail.com>
Newsgroups: alt.ham-radio,rec.ham-radio,alt.ham-radio.hf,rec.radio.amateur
Subject: Re: Rugged, portable HF rigs?
Date: Sun, 11 Mar 2001 16:37:44 -0600
Organization: Datasync
Lines: 28
Message-ID: <98gupo$ls5$1@news.datasync.com>
References: <3AAB1E3F.5E5CEFBE@mac.com>
NNTP-Posting-Host: msp2-107.datasync.com
X-Trace: news.datasync.com 984350328 22405 209.205.135.239 (11 Mar 2001 22:38:48
GMT)
X-Complaints-To: abuse@datasync.com
NNTP-Posting-Date: 11 Mar 2001 22:38:48 GMT
X-Newsreader: Microsoft Outlook Express 4.72.3155.0
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
```

Xref: supernews.google.com alt.ham-radio.hf:448 rec.radio.amateur:1186

RECOMMEND a IC-751 if you can get your hands on it for HF (sure its old)
and a AZDEN Pcs-3000 (also old)

Both were installed in a Chevy blazer in 1988 on cold weather ops at FT
DRUM
NY and i rolled the blazer down an embankment
broke all the antlers went back to base replaced antennas
fired up the 2 meter and talked some 30 miles to watertown NY
and fired up HF and got Puerto Rico fist call on 20 meters

no brag just fact
don
KB5FHX
Grant Cunningham wrote in message <3AAB1E3F.5E5CEFBE@mac.com>...
>Well, the recent earthquake here in the Great Northwest have prompted me
>to upgrade my communication capabilities. So, I'm upgrading to General
>and looking at HF gear!
>
>I want the general Net Wisdom on the most durable (under transport and
>field conditions) and reliable HF gear - current or not. I want 2 radios
>- a back-packable unit, and one to be used for base operations. What do
>you recommend and why? (URL's would eb a big help!)
>
>Thanks!
>
>Grant, KD7JNW (and hoping to upgrade soon...)

From 5343770740173509461
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b55e2da3b24559d4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,b55e2da3b24559d4
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,b55e2da3b24559d4
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,b55e2da3b24559d4
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-03-11 19:10:06 PST
Path: supernews.google.com!sn-xit-03!supernews.com!news-out.usenetserver.com!news-out-sjo.usenetserver.com!newsfeed.frii.net!easynews!cyclone.swbell.net!nnrp2.sbc.net.POSTED!not-for-mail
From: "BD" <bodu@pobox.com>
Newsgroups: alt.ham-radio,rec.ham-radio,alt.ham-radio.hf,rec.radio.amateur
References: <3AAB1E3F.5E5CEFBE@mac.com> <98gupo$ls5$1@news.datasync.com>
Subject: Re: Rugged, portable HF rigs?
Lines: 21
X-Priority: 3
X-MSMail-Priority: Normal

X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-Mimeole: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <05Xq6.272$DM6.191184@nnrp2.sbc.net>
Date: Sun, 11 Mar 2001 21:09:17 -0600
NNTP-Posting-Host: 64.217.147.38
X-Complaints-To: abuse@swbell.net
X-Trace: nnrp2.sbc.net 984366524 64.217.147.38 (Sun, 11 Mar 2001 21:08:44 CST)
NNTP-Posting-Date: Sun, 11 Mar 2001 21:08:44 CST
Organization: SBC Internet Services
Xref: supernews.google.com alt.ham-radio.hf:449 rec.radio.amateur:1188

Aren't they sorta large for backpacking, tho?...
Radio-Shack's selling a really small Alinco HF rig now, btw... I've no idea
how suitable it'd be for backpacking, but it's one of the smaller ones I've
seen in person, atleast... You should be able to find it at
www.radioshack.com, and I'm pretty sure it was under $700 new...

"Don Arnold" <wxfreqrs@icqmail.com> wrote in message
news:98gupo$ls5$1@news.datasync.com...
> RECOMMEND a IC-751 if you can get your hands on it for HF (sure its old)
> and a AZDEN Pcs-3000 (also old)
>
> Both were installed in a Chevy blazer in 1988 on cold weather ops at FT
> DRUM
> NY and i rolled the blazer down an embankment
> broke all the antlers went back to base replaced antennas
> fired up the 2 meter and talked some 30 miles to watertown NY
> and fired up HF and got Puerto Rico fist call on 20 meters

From -2151724731561859488
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b55e2da3b24559d4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,b55e2da3b24559d4
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,b55e2da3b24559d4
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,b55e2da3b24559d4
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-03-11 20:48:05 PST
Path: supernews.google.com!sn-xit-03!supernews.com!cyclone-sf.pbi.net!63.208.208.143!feed2.onemain.com!feed1.onemain.com!nntp3.onemain.com.POSTED!not-for-mail
From: "David Priven" <dpriven@jps.net>
Newsgroups: alt.ham-radio,rec.ham-radio,alt.ham-radio.hf,rec.radio.amateur
References: <3AAB1E3F.5E5CEFBE@mac.com>
Subject: Re: Rugged, portable HF rigs?
Lines: 28

```
X-Newsreader: Microsoft Outlook Express 4.72.3110.1
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Message-ID: <WtYq6.414$7R3.998502@nntp3.onemain.com>
Date: Sun, 11 Mar 2001 20:45:45 -0800
NNTP-Posting-Host: 209.162.49.152
X-Complaints-To: abuse@onemain.com
X-Trace: nntp3.onemain.com 984372214 209.162.49.152 (Sun, 11 Mar 2001 23:43:34
EST)
NNTP-Posting-Date: Sun, 11 Mar 2001 23:43:34 EST
Xref: supernews.google.com alt.ham-radio.hf:451 rec.radio.amateur:1189

For a back-packable unit, I don't think you can beat an Elecraft K2,
160-10mtrs with 10 watts out on SSB or CW  They have a optional built in gel
cell battery that will run for many hours.  If you need more output, there
are 50 and 100 watt amps that can be built on as well as a internal ATU.
(The amp requires an external battery) These are available as kits only, but
there are some professional builders who will put it together for you if
your eyes and hands are old. I believe the URL is
    http://www.elecraft.com

Dave
KG6DWN


Grant Cunningham wrote in message <3AAB1E3F.5E5CEFBE@mac.com>...
>Well, the recent earthquake here in the Great Northwest have prompted me
>to upgrade my communication capabilities. So, I'm upgrading to General
>and looking at HF gear!
>
>I want the general Net Wisdom on the most durable (under transport and
>field conditions) and reliable HF gear - current or not. I want 2 radios
>- a back-packable unit, and one to be used for base operations. What do
>you recommend and why? (URL's would eb a big help!)
>
>Thanks!
>
>Grant, KD7JNW (and hoping to upgrade soon...)




From -3855772186784986312
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b55e2da3b24559d4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,b55e2da3b24559d4
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,b55e2da3b24559d4
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,b55e2da3b24559d4
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-03-12 21:42:19 PST
Path: supernews.google.com!sn-xit-03!supernews.com!cyclone-sf.pbi.net!
```

```
63.208.208.143!feed2.onemain.com!feed1.onemain.com!nntp2.onemain.com.POSTED!not-
for-mail
From: "John P. Franklin" <jpfrankl@teleport.com>
Newsgroups: alt.ham-radio,rec.ham-radio,alt.ham-radio.hf,rec.radio.amateur
References: <3AAB1E3F.5E5CEFBE@mac.com>
Subject: Re: Rugged, portable HF rigs?
Lines: 6
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Message-ID: <Knir6.373$zX3.261002@nntp2.onemain.com>
Date: Mon, 12 Mar 2001 21:41:53 -0800
NNTP-Posting-Host: 216.26.2.183
X-Complaints-To: abuse@onemain.com
X-Trace: nntp2.onemain.com 984461930 216.26.2.183 (Tue, 13 Mar 2001 00:38:50 EST)
NNTP-Posting-Date: Tue, 13 Mar 2001 00:38:50 EST
Xref: supernews.google.com alt.ham-radio.hf:454 rec.radio.amateur:1197

Uh gee..what about the FT-817 for a backpackable rig.........that has it all
HF through 70 CM. Just a thought.......

Pat





From -1930402176024294838
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,41396f8f93de93cf,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,41396f8f93de93cf,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,41396f8f93de93cf,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fb049,41396f8f93de93cf,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa656,41396f8f93de93cf,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-03-14 16:52:08 PST
Path: supernews.google.com!sn-xit-03!supernews.com!freenix!sunqbc.risq.qc.ca!
falcon.america.net!newsfeed.atl!news1.atl.POSTED!not-for-mail
From: "Bob Currey" <rwcurrey@bellsouth.net>
Newsgroups: alt.ham-radio.marketplace,alt.ham-radio.vhf-uhf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment
Subject: WTB: Kenwood TM-441 or TM-431
Lines: 9
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <0kUr6.1628$rW5.85338@news1.atl>
Date: Wed, 14 Mar 2001 19:48:56 -0500
```

NNTP-Posting-Host: 209.215.51.37
X-Trace: news1.atl 984617340 209.215.51.37 (Wed, 14 Mar 2001 19:49:00 EST)
NNTP-Posting-Date: Wed, 14 Mar 2001 19:49:00 EST
Xref: supernews.google.com alt.ham-radio.marketplace:3301 alt.ham-radio.vhf-uhf:3461 rec.radio.amateur:1209 rec.radio.amateur.equipment:10426

Need a Kenwood TM-441 or TM-431. Any HAM willing to part with one of these. I have looked in all the known classifieds and am unable to find these radios. Must be in working order with all features functional.

Contact Bob at mail to: w4alq@arrl.net

From -8800568174767490995
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b55e2da3b24559d4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,b55e2da3b24559d4
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,b55e2da3b24559d4
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,b55e2da3b24559d4
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-03-21 10:23:47 PST
Path: supernews.google.com!sn-xit-02!supernews.com!news.tele.dk!128.230.129.106!news.maxwell.syr.edu!newsfeed.atl.bellsouth.net.MISMATCH!newsfeed.atl!news3.mco.POSTED!not-for-mail
From: "Don KC5MFA" <kc5mfa@bellsouth.net>
Newsgroups: alt.ham-radio,rec.ham-radio,alt.ham-radio.hf,rec.radio.amateur
References: <3AAB1E3F.5E5CEFBE@mac.com>
Subject: Re: Rugged, portable HF rigs?
Lines: 53
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <sb6u6.3938$3e.3087286@news3.mco>
Date: Wed, 21 Mar 2001 12:18:00 -0600
NNTP-Posting-Host: 66.21.218.2
X-Trace: news3.mco 985198424 66.21.218.2 (Wed, 21 Mar 2001 13:13:44 EST)
NNTP-Posting-Date: Wed, 21 Mar 2001 13:13:44 EST
Xref: supernews.google.com alt.ham-radio.hf:491 rec.radio.amateur:1244

Don't count out the Icom 706. You can get a new 706 Mk2G at Texas Towers for $904. Not an advertisement, just a report of my own experience.
www.texastowers.com

The Elecraft K2 is nice, but I doubt that you want to build your own but I could be wrong. Nothing wrong with the 751 or Azden either, but the 706 will give you all mode hf, 6, 2 & 70 cm in a nice, small box. the Yaesu 817 has the same coverage as the 706 but only 5 watts output. The 706 is 100 on hf & 6, 50 on 2, 35 on 440. The Yaesu FT-100D will get you the same coverage & power as the 706 but I didn't buy one because the 100 has had some very serious problems.

I also have an Icom 746. Hf, 6 & 2 at 100 watts on all bands. It's a bigger rig than the 706 but I've carted mine around with no fuss.

Get the 706 and a manual antenna tuner and for well under a grand you'll have it all... with a full warranty. The 746, which has an internal automatic antenna tuner for hf & 6, will set you back around $1400 give or take.

Hard to beat the Icoms. www.icomamerica.com

73 & good luck.

Don
KC5MFA

--

Visit my website:
http://www.qsl.net/kc5mfa
Visit the Westside Amateur Radio Club website:
http://www.qsl.net/w5abd
Visit the New Orleans VHF Club website:
http://www.qsl.net/w5mcc
"Grant Cunningham" <grantcunningham@mac.com> wrote in message
news:3AAB1E3F.5E5CEFBE@mac.com...

> Well, the recent earthquake here in the Great Northwest have prompted me to upgrade my communication capabilities. So, I'm upgrading to General and looking at HF gear!
>
> I want the general Net Wisdom on the most durable (under transport and field conditions) and reliable HF gear - current or not. I want 2 radios - a back-packable unit, and one to be used for base operations. What do you recommend and why? (URL's would eb a big help!)
>
> Thanks!
>
> Grant, KD7JNW (and hoping to upgrade soon...)

From -1971110670868548278
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b55e2da3b24559d4
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 10ed5f,b55e2da3b24559d4
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,b55e2da3b24559d4
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,b55e2da3b24559d4
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-03-21 19:40:03 PST
Path: supernews.google.com!sn-xit-03!supernews.com!64.71.136.253.MISMATCH!news!news.he.net!news-hog.berkeley.edu!ucberkeley!enews.sgi.com!newshub2.rdc1.sfba.home.com!news.home.com!news1.sttls1.wa.home.com.POSTED!not-for-mail
Message-ID: <3AB97384.291DA579@mac.com>
From: Grant Cunningham <grantcunningham@mac.com>
Reply-To: grantcunningham@mac.com
Organization: Macintosh: Not Just Another Beige Box
X-Mailer: Mozilla 4.76C-CCK-MCD {C-UDP; EBM-APPLE} (Macintosh; U; PPC)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio,rec.ham-radio,alt.ham-radio.hf,rec.radio.amateur
Subject: Re: Rugged, portable HF rigs?
References: <3AAB1E3F.5E5CEFBE@mac.com> <sb6u6.3938$3e.3087286@news3.mco>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 39
Date: Thu, 22 Mar 2001 03:37:49 GMT
NNTP-Posting-Host: 24.20.64.9
X-Complaints-To: abuse@home.net
X-Trace: news1.sttls1.wa.home.com 985232269 24.20.64.9 (Wed, 21 Mar 2001 19:37:49 PST)
NNTP-Posting-Date: Wed, 21 Mar 2001 19:37:49 PST
Xref: supernews.google.com alt.ham-radio.hf:495 rec.radio.amateur:1249

Don KC5MFA wrote:
>
> Don't count out the Icom 706. You can get a new 706 Mk2G at Texas Towers for
> $904. Not an advertisement, just a report of my own experience.
> www.texastowers.com
>
> The Elecraft K2 is nice, but I doubt that you want to build your own but I
> could be wrong. Nothing wrong with the 751 or Azden either, but the 706
> will give you all mode hf, 6, 2 & 70 cm in a nice, small box. the Yaesu 817
> has the same coverage as the 706 but only 5 watts output. The 706 is 100 on
> hf & 6, 50 on 2, 35 on 440.

Thanks, Don. The only problem with the 706 in a portable application is
environmental - it's not designed for use in an open environment, as say
the Yaesu 817 or SGC-2020 are. I plan to get one - I need a new radio in
my truck! - but as a portable backpaking/camping/SAR/disaster radio, I
don't think it will cut it.

I like the SGC-2020, but it doesn't have all the features of the Yaesu
817. The problem with the Yaesu is that it doesn't have the power I'd
like - I want to experiment with field deployed NVIS, and 5 watts won't

do the job. 10w will just do it, and 20w would really be ideal.
Decisions, decisions...

Does anyone know of a portable, battery powered HF amplifier with around 20w or 25w output? That would be the perfect complement to the 817. I've done several net searches, and have yet to turn one up.

> I also have an Icom 746. Hf, 6 & 2 at 100 watts on all bands. It's a
> bigger rig than the 706 but I've carted mine around with no fuss.

Since no one really mentioned much in the "full size" part of my query, I did some looking and also found the 746. It seems to be pretty rugged - 100% duty cycle, for instance - and has all the bells and whistles I'd ever need. It will probably be my "do everything" radio.

Thanks again!

-=[grant]=- KD7JNW

From 5094246707775806982
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,ffe4e9dffecdb55c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,ffe4e9dffecdb55c,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,ffe4e9dffecdb55c,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 108122,ffe4e9dffecdb55c,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,ffe4e9dffecdb55c,start
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2001-03-23 23:57:17 PST
Path: supernews.google.com!sn-xit-02!supernews.com!news.gv.tsc.tdk.com!falcon.america.net!newsfeed.atl!news2.atl.POSTED!not-for-mail
From: "Dan B." <k4lyp@webdeals.net>
Newsgroups: alt.radio.amateur,rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap
Subject: RFI interference from my car (88 Toyota)
Lines: 41
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <cpYu6.394$X_.32766@news2.atl>
Date: Sat, 24 Mar 2001 02:53:05 -0500
NNTP-Posting-Host: 216.78.28.133
X-Trace: news2.atl 985420488 216.78.28.133 (Sat, 24 Mar 2001 02:54:48 EST)
NNTP-Posting-Date: Sat, 24 Mar 2001 02:54:48 EST
Xref: supernews.google.com rec.radio.amateur.equipment:10959 rec.radio.amateur.swap:460 rec.radio.swap:26381

I am at my wits end with this problem....please help.

I have a 1988 Toyota Camry that causes interference to my 2 meter radio and scanners. I'm not sure what is causing it because the scanner gets a whining noise even when it operates on its own power and using the rubber duckie. This tells me that it's RFI. The 2 meter radio gets it even worse since its hooked to the cars electrical system. It gets alternator whine and some other kind of RFI interference. I thought it was my older Kenwood mobile but I just upgraded to a newer mobile and still get the interference....maybe even worse. Its so bad that unless I have a S-7 or better signal on you, I can't hear you. It actually cuts the signal out as if someone were keying over them. I hate talking on repeaters so I don't have the luxury of full scale signals. We try to stay on simplex unless its a must to go to the repeater.

I have read several web pages and first things to try is this:
New (better) Plug wires.
Plugs!
Check the Distributor for cracks or abnormal wear.
****

I have already ran power wires straight to the battery.
Tried Ferrite coils on the Power leads and antenna coax.
I read that Toyotas are bad about having a noisy fuel pump?!?! Any experiences?
I know there has to be others with the answer to this problem......please help if you know the answer.

--
The Scanner Nuts! �
http://www.webdeals.net/k4lyp.htm
0ver 330 scanner pictures for your viewing pleasure.
New and Old.... bring back the memories.
In God we trust, all others we monitor.

***

From -3977939640779920967
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,ffe4e9dffecdb55c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,ffe4e9dffecdb55c
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,ffe4e9dffecdb55c
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108778,ffe4e9dffecdb55c
X-Google-Attributes: gid108778,public
X-Google-Thread: 1031c8,ffe4e9dffecdb55c

X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2001-03-24 12:18:11 PST
Path: supernews.google.com!sn-xit-03!supernews.com!logbridge.uoregon.edu!news.maxwell.syr.edu!newsfeed.skycache.com!Cidera!cyclone1.ba-dsg.net!typhoon2.ba-dsg.net.POSTED!not-for-mail
From: "Dave" <maryjane.wanna@verizon.net>
Newsgroups: alt.radio.amateur,rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap
References: <cpYu6.394$X_.32766@news2.atl>
Subject: Re: RFI interference from my car (88 Toyota)
Lines: 66
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <cf7v6.1458$Uh.863250@typhoon2.ba-dsg.net>
Date: Sat, 24 Mar 2001 20:15:04 GMT
NNTP-Posting-Host: 138.89.102.208
X-Complaints-To: newsadmin@bellatlantic.net
X-Trace: typhoon2.ba-dsg.net 985464904 138.89.102.208 (Sat, 24 Mar 2001 15:15:04 EST)
NNTP-Posting-Date: Sat, 24 Mar 2001 15:15:04 EST
Xref: supernews.google.com rec.radio.amateur.equipment:10994 rec.radio.amateur.swap:461 rec.radio.swap:26423

Dan I also have a 88 Toy, I had the same thing here, I went to Radio shack and bought the largest noise filter that they had amp wise. (Choke type) and put it in the power lead at the radio. Fixed 90% + ! I have now put in a new radio, the kenwood 700 and it works fine with that too. (There is still some kind of noise that I don't hear or see on the meter that blocks out some if not most of aprs when the car is running. If I am where there is STRONG aprs it works OK.)

Dave
"Dan B." <k4lyp@webdeals.net> wrote in message
news:cpYu6.394$X_.32766@news2.atl...
> I am at my wits end with this problem....please help.
>
> I have a 1988 Toyota Camry that causes interference to my 2 meter
radio and
> scanners. I'm not sure what is causing it because the scanner gets a
whining
> noise even when it operates on its own power and using the rubber
duckie.
> This tells me that it's RFI. The 2 meter radio gets it even worse
since its
> hooked to the cars electrical system. It gets alternator whine and
some
> other kind of RFI interference. I thought it was my older Kenwood
mobile but
> I just upgraded to a newer mobile and still get the
interference....maybe
> even worse. Its so bad that unless I have a S-7 or better signal on

```
you, I
> can't hear you. It actually cuts the signal out as if someone were
keying
> over them. I hate talking on repeaters so I don't have the luxury of
full
> scale signals. We try to stay on simplex unless its a must to go to
the
> repeater.
>
> I have read several web pages and first things to try is this:
> New (better) Plug wires.
> Plugs!
> Check the Distributor for cracks or abnormal wear.
> ****
>
> I have already ran power wires straight to the battery.
> Tried Ferrite coils on the Power leads and antenna coax.
> I read that Toyotas are bad about having a noisy fuel pump?!?! Any
> experiences?
> I know there has to be others with the answer to this
problem......please
> help if you know the answer.
>
>
>
> --
> The Scanner Nuts! �
> http://www.webdeals.net/k4lyp.htm
> Over 330 scanner pictures for your viewing pleasure.
> New and Old.... bring back the memories.
> In God we trust, all others we monitor.
>
>
> ***
>
>




From 1118264777189498555
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ffe4e9dffecdb55c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,ffe4e9dffecdb55c
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,ffe4e9dffecdb55c
X-Google-Attributes: gid108778,public
X-Google-Thread: 1109af,ffe4e9dffecdb55c
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,ffe4e9dffecdb55c
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2001-03-24 17:26:06 PST
```

```
Path: supernews.google.com!sn-xit-03!supernews.com!freenix!fr.usenet-edu.net!
usenet-edu.net!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!
newsfeed.atl.bellsouth.net.MISMATCH!newsfeed.atl!news3.mia.POSTED!not-for-mail
Message-ID: <3ABD48A8.2FC1E426@bellsouth.net>
From: jhilins <jhilins@bellsouth.net>
Reply-To: jhilins@bellsouth.net
X-Mailer: Mozilla 4.5 (Macintosh; U; PPC)
X-Accept-Language: en,pdf
MIME-Version: 1.0
Newsgroups: alt.radio.amateur,rec.ham-
radio,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap
Subject: Re: RFI interference from my car (88 Toyota)
References: <cpYu6.394$X_.32766@news2.atl>
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-
creator="4D4F5353"
Content-Transfer-Encoding: 7bit
Lines: 6
Date: Sat, 24 Mar 2001 20:23:55 -0500
NNTP-Posting-Host: 208.61.89.59
X-Trace: news3.mia 985483228 208.61.89.59 (Sat, 24 Mar 2001 20:20:28 EST)
NNTP-Posting-Date: Sat, 24 Mar 2001 20:20:28 EST
Xref: supernews.google.com rec.radio.amateur.equipment:11009
rec.radio.amateur.swap:462 rec.radio.swap:26455

FUEL PUMP !
Need to work it with ferrite, but that only gets about half of it.  Try
complaining to Toyota, see how they got it out of the radio..

better yet look for a new car,



From -7757319149753754793
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed569c9786b2b946,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,ed569c9786b2b946,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,ed569c9786b2b946,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 2001-03-24 17:32:08 PST
Path: supernews.google.com!sn-xit-03!supernews.com!newsswitch.lcs.mit.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!newshub2.home.com!news.home.com!
news1.sttls1.wa.home.com.POSTED!not-for-mail
From: "Sean Balch" <balchracing@hotmail.com>
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap
Subject: drake dc-4 power supply
Lines: 10
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2919.6700
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6700
Message-ID: <8Rbv6.618243$U46.18790909@news1.sttls1.wa.home.com>
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Date: Sun, 25 Mar 2001 01:28:36 GMT
NNTP-Posting-Host: 65.4.31.238
X-Complaints-To: abuse@home.net
X-Trace: news1.sttls1.wa.home.com 985483716 65.4.31.238 (Sat, 24 Mar 2001 17:28:36 PST)
NNTP-Posting-Date: Sat, 24 Mar 2001 17:28:36 PST
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: supernews.google.com rec.ham-radio.swap:328

-sorry for the spam-

Drake dc-4 mobile power supply for sale on ebay, starts at $10

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1224797913

Thanks
Sean

From -4277328571761308103
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114a57,b55e2da3b24559d4
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10c9e3,b55e2da3b24559d4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,b55e2da3b24559d4
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,b55e2da3b24559d4
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-03-25 13:34:21 PST
Path: supernews.google.com!sn-xit-03!supernews.com!news-feed.riddles.org.uk!newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!news.home.com!news1.rdc1.tn.home.com.POSTED!not-for-mail
From: "Michael Casavant" <n1xrr-mm@home.com>
Newsgroups: alt.ham-radio,rec.ham-radio,alt.ham-radio.hf,rec.radio.amateur
References: <3AAB1E3F.5E5CEFBE@mac.com> <sb6u6.3938$3e.3087286@news3.mco> <3AB97384.291DA579@mac.com>
Subject: Re: Rugged, portable HF rigs?
Lines: 11
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <4ttv6.39497$Q47.10807574@news1.rdc1.tn.home.com>
Date: Sun, 25 Mar 2001 21:31:44 GMT
NNTP-Posting-Host: 65.11.136.163
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.tn.home.com 985555904 65.11.136.163 (Sun, 25 Mar 2001 13:31:44 PST)
NNTP-Posting-Date: Sun, 25 Mar 2001 13:31:44 PST
Organization: Excite@Home - The Leader in Broadband http://home.com/faster

Xref: supernews.google.com alt.ham-radio.hf:519 rec.radio.amateur:1290

> Does anyone know of a portable, battery powered HF amplifier with around
> 20w or 25w output? That would be the perfect complement to the 817. I've
> done several net searches, and have yet to turn one up.
>

Has anyone tried building their own amp? I've seen several homebuilt stuff
from years ago...but not many people today want to go through the trouble.
If I could get a schematic I'd try to build myself one...just a thought.

Michael, N1XRR

From 7239330894415706160
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b55e2da3b24559d4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,b55e2da3b24559d4
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,b55e2da3b24559d4
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,b55e2da3b24559d4
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2001-03-25 16:40:06 PST
From: "Steve Hillson" <shillson@beld.net>
Newsgroups: alt.ham-radio,rec.ham-radio,alt.ham-radio.hf,rec.radio.amateur
References: <3AAB1E3F.5E5CEFBE@mac.com> <sb6u6.3938$3e.3087286@news3.mco> <3AB97384.291DA579@mac.com> <4ttv6.39497$Q47.10807574@news1.rdc1.tn.home.com>
Subject: Re: Rugged, portable HF rigs?
Date: Sun, 25 Mar 2001 19:33:13 -0500
Lines: 19
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
NNTP-Posting-Host: 208.244.17.206
Message-ID: <3abe8cb5_3@corp.newsfeeds.com>
X-Trace: corp.newsfeeds.com!newsfeeds.com!crp!anonymous!127.0.0.1!crp 985566389 208.244.17.206 (25 Mar 2001 18:26:29 -0600)
X-Comments: This message was posted through Newsfeeds.com
X-Comments2: IMPORTANT: Newsfeeds.com does not condone, nor support, spam or any illegal or copyrighted postings.
X-Comments3: IMPORTANT: Under NO circumstances will postings containing illegal or copyrighted material through this service be tolerated!!
X-Report: Please report illegal or inappropriate use to <abuse@newsfeeds.com>
X-Abuse-Info: Please be sure to forward a copy of ALL headers, INCLUDING the body (DO NOT SEND ATTACHMENTS)
Organization: Newsfeeds.com http://www.newsfeeds.com 80,000+ UNCENSORED Newsgroups.
Path: supernews.google.com!sn-xit-03!supernews.com!64.71.136.253.MISMATCH!news!news.he.net!news-hog.berkeley.edu!ucberkeley!news.maxwell.syr.edu!colt.net!

```
newsfeed00.sul.t-online.de!t-online.de!newsfeed.freenet.de!news-
out.nuthinbutnews.com!out!corp.newsfeeds.com!newsfeeds.com!crp!anonymous!
127.0.0.1!crp
Xref: supernews.google.com alt.ham-radio.hf:520 rec.radio.amateur:1293

I'm using the SGC2020 HF radio, which puts out about 20/25 watts to begin
with.  It works great, and the price is right.

"Michael Casavant" <n1xrr-mm@home.com> wrote in message
news:4ttv6.39497$Q47.10807574@news1.rdc1.tn.home.com...
> > Does anyone know of a portable, battery powered HF amplifier with around
> > 20w or 25w output? That would be the perfect complement to the 817. I've
> > done several net searches, and have yet to turn one up.
> >
> Has anyone tried building their own amp?  I've seen several homebuilt
stuff
> from years ago...but not many people today want to go through the trouble.
> If I could get a schematic I'd try to build myself one...just a thought.
>
> Michael, N1XRR
>
>
```

-----= Posted via Newsfeeds.Com, Uncensored Usenet News =-----
http://www.newsfeeds.com - The #1 Newsgroup Service in the World!
-----== Over 80,000 Newsgroups - 16 Different Servers! =-----

```
From -1488207370706000973
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b55e2da3b24559d4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,b55e2da3b24559d4
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,b55e2da3b24559d4
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,b55e2da3b24559d4
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-03-25 19:12:07 PST
Path: supernews.google.com!sn-xit-03!supernews.com!news-feed.riddles.org.uk!
newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!news.home.com!
news1.sttls1.wa.home.com.POSTED!not-for-mail
Message-ID: <3ABEB333.4822EF8E@mac.com>
From: Grant Cunningham <grantcunningham@mac.com>
Reply-To: grantcunningham@mac.com
Organization: Macintosh: Not Just Another Beige Box
X-Mailer: Mozilla 4.76C-CCK-MCD {C-UDP; EBM-APPLE} (Macintosh; U; PPC)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio,rec.ham-radio,alt.ham-radio.hf,rec.radio.amateur
```

```
Subject: Re: Rugged, portable HF rigs?
References: <3AAB1E3F.5E5CEFBE@mac.com> <sb6u6.3938$3e.3087286@news3.mco>
<3AB97384.291DA579@mac.com> <4ttv6.39497$Q47.10807574@news1.rdc1.tn.home.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 14
Date: Mon, 26 Mar 2001 03:10:53 GMT
NNTP-Posting-Host: 24.20.64.9
X-Complaints-To: abuse@home.net
X-Trace: news1.sttls1.wa.home.com 985576253 24.20.64.9 (Sun, 25 Mar 2001 19:10:53
PST)
NNTP-Posting-Date: Sun, 25 Mar 2001 19:10:53 PST
Xref: supernews.google.com alt.ham-radio.hf:522 rec.radio.amateur:1296

I've never done it, but I suppose with the right plans I might be
convinced to give it a shot!

Michael Casavant wrote:
>
> > Does anyone know of a portable, battery powered HF amplifier with around
> > 20w or 25w output? That would be the perfect complement to the 817. I've
> > done several net searches, and have yet to turn one up.
> >
> Has anyone tried building their own amp?  I've seen several homebuilt stuff
> from years ago...but not many people today want to go through the trouble.
> If I could get a schematic I'd try to build myself one...just a thought.
>
> Michael, N1XRR


From 6158413719618816621
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: ffbc8,ef7e2a718b6e5fd,start
X-Google-Attributes: gidffbc8,public
X-Google-Thread: 10c9e3,ef7e2a718b6e5fd,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,ef7e2a718b6e5fd,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2001-03-26 12:36:06 PST
Path: supernews.google.com!sn-xit-03!supernews.com!news-out.usenetserver.com!news-
out-sjo.usenetserver.com!europa.netcrusader.net!207.172.3.44!feed2.news.rcn.net!
feed1.news.rcn.net!rcn!not-for-mail
From: "Randal Carr" <rcarr@picturehill.net>
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.heraldry
Subject: Re: I M P O R T A N T.... PLEASE READ  3086
Date: Mon, 26 Mar 2001 15:33:28 -0500
Lines: 16
Message-ID: <99o93r$n59$1@bob.news.rcn.net>
References: <x7Mv6.127956$KL5.120815@NewsReader>
X-Trace:
UmFuZG9tSVb9UDR55+XIyfqVlo1JU0zqwPS70qhNeLtHt4qNMj1IlzUeQPE+BDEljKuts3TjysM=
X-Complaints-To: abuse@rcn.com
NNTP-Posting-Date: 26 Mar 2001 20:34:03 GMT
```

```
X-MimeOLE:  Produced By Microsoft MimeOLE V4.72.2106.4
X-Newsreader:  Microsoft Outlook Express 4.72.2106.4
Xref: supernews.google.com rec.ham-radio.swap:341 rec.heraldry:5480

Gules a can of SPAM proper.

uhvcrm@serve.com wrote in message ...
>Did you know its a crime to surf certain sites!!
>
>Did you know its a crime to download certain pics, programs, text,etc.
>
>The Law IS clamping down, cover your tracks, be safe rather than sorry...
>CHECK OUT THIS TOP PROGRAM!!!!!
>http://www.evidence-eliminator.com/go.shtml?A654845
>
>SAFE SURFING.........................
>shbibolpzlcgpludbxfsedygixikkhrhgopleqbkulseeszezdpkihzvhntchqiegr
>




From -6482261629732967684
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd029173e015ea1e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,dd029173e015ea1e,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: ffa74,dd029173e015ea1e,start
X-Google-Attributes: gidffa74,public
X-Google-Thread: 108778,dd029173e015ea1e,start
X-Google-Attributes: gid108778,public
X-Google-Thread: f55c2,dd029173e015ea1e,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fa656,dd029173e015ea1e,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114671,dd029173e015ea1e,start
X-Google-Attributes: gid114671,public
X-Google-Thread: 10ed5f,dd029173e015ea1e,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-03-28 00:16:04 PST
Path: supernews.google.com!sn-xit-03!supernews.com!freenix!oleane.net!oleane!
isdnet!news-x.support.nl!nntp2.aeq.teleglobe.net!teleglobe.net!iafrica.com!
news.adamastor.ac.za!not-for-mail
From: Tony Baard <TONYB@ITS.uct.ac.za>
Newsgroups: alt.ham-radio,alt.ham-
radio.mods,alt.radio.amateur,aus.radio.amateur.misc,free.uk.amateur.radio,rec.radi
o.amateur,rec.ham-radio,uk.radio.amateur
Subject: Kenwood TK759 P.A. function info rqd
Date: Wed, 28 Mar 2001 10:07:35 +0200
Organization: University of Cape Town
Lines: 19
Message-ID: <3AC19BC7.35D87010@ITS.uct.ac.za>
```

Reply-To: TONYB@ITS.uct.ac.za
NNTP-Posting-Host: tonyb2.its.uct.ac.za
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: news.adamastor.ac.za 985766991 86337 137.158.27.154 (28 Mar 2001 08:09:51 GMT)
X-Complaints-To: abuse@uct.ac.za
NNTP-Posting-Date: 28 Mar 2001 08:09:51 GMT
X-Mailer: Mozilla 4.75 [en] (Win98; U)
X-Accept-Language: en
Xref: supernews.google.com alt.ham-radio.mods:337 aus.radio.amateur.misc:2071 rec.radio.amateur:1314 uk.radio.amateur:21175

Hi there

I have a Kenwood TK759 VHF mobile radio. The programming software makes mention of a P.A. facility. This is supported by a 3.5mm jack socket on the back of the radio.

I have assigned a key to activate this function, however there is no clear mention of how to adjust the P.A. volume. I can hear that the function is active in that there is a click on the speaker when the PTT is pushed and a minute amount of audio can be heard.

Does anyone in the group know how to adjust this volume as neither the operators manual nor the software indicates this?

All help gratefully received!

Thanks in advance.

Regards.

From 6066138080685195491
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd029173e015ea1e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: ffa74,dd029173e015ea1e
X-Google-Attributes: gidffa74,public
X-Google-Thread: fa656,dd029173e015ea1e
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,dd029173e015ea1e
X-Google-Attributes: gid108778,public
X-Google-Thread: f64c6,dd029173e015ea1e
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 10ed5f,dd029173e015ea1e
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f55c2,dd029173e015ea1e
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 114671,dd029173e015ea1e
X-Google-Attributes: gid114671,public

X-Google-ArrivalTime: 2001-03-29 20:26:07 PST
Path: supernews.google.com!sn-xit-03!supernews.com!news-xfer.nuri.net!enews.sgi.com!newshub2.rdc1.sfba.home.com!news.home.com!news1.rdc1.il.home.com.POSTED!not-for-mail
Reply-To: "Silent boB" <berzerker_bob@nospam-yahoo.com>
From: "Silent boB" <berzerker_bob@nospam-yahoo.com>
Newsgroups: alt.ham-radio,alt.ham-radio.mods,alt.radio.amateur,aus.radio.amateur.misc,free.uk.amateur.radio,rec.radio.amateur,rec.ham-radio,uk.radio.amateur
References: <3AC19BC7.35D87010@ITS.uct.ac.za>
Subject: Re: Kenwood TK759 P.A. function info rqd
Lines: 35
Organization: Very Unorganized
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <uUTw6.176642$t67.2853264@news1.rdc1.il.home.com>
Date: Fri, 30 Mar 2001 04:24:58 GMT
NNTP-Posting-Host: 24.2.203.98
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.il.home.com 985926298 24.2.203.98 (Thu, 29 Mar 2001 20:24:58 PST)
NNTP-Posting-Date: Thu, 29 Mar 2001 20:24:58 PST
Xref: supernews.google.com alt.ham-radio.mods:340 aus.radio.amateur.misc:2079 rec.radio.amateur:1329 uk.radio.amateur:21276

I am not familiar with the radio you mention, but I suspect the output is "low level" (similar to what an RCA type jack would carry). This low level audio more than likely needs to be amplified externally, similar to high end car audio. Try borrowing an amplifier to prove this theory.

Hope that helps,

Silent boB

"Tony Baard" <TONYB@ITS.uct.ac.za> wrote in message news:3AC19BC7.35D87010@ITS.uct.ac.za...

> Hi there
>
> I have a Kenwood TK759 VHF mobile radio. The programming software makes mention of a P.A. facility. This is supported by a 3.5mm jack socket on the back of the radio.
>
> I have assigned a key to activate this function, however there is no clear mention of how to adjust the P.A. volume. I can hear that the function is active in that there is a click on the speaker when the PTT is pushed and a minute amount of audio can be heard.
>
> Does anyone in the group know how to adjust this volume as neither the

> operators manual nor the software indicates this?
>
> All help gratefully received!
>
> Thanks in advance.
>
> Regards.

From 771539389440390593
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,6aaeb667c5945816,start
X-Google-Attributes: gid108228,public
X-Google-Thread: f557d,6aaeb667c5945816,start
X-Google-Attributes: gidf557d,public
X-Google-Thread: 10c9e3,6aaeb667c5945816,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,6aaeb667c5945816,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114fbf,6aaeb667c5945816,start
X-Google-Attributes: gid114fbf,public
X-Google-Thread: 114aac,6aaeb667c5945816,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 2001-03-31 10:28:39 PST
Path: supernews.google.com!sn-xit-03!supernews.com!cyclone-sjo1.usenetserver.com!news-out-sjo.usenetserver.com!newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!news.home.com!news1.rdc2.pa.home.com.POSTED!not-for-mail
From: "Carmine Prestia" <cwp101@psu.edu>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.ham-radio.rtty,in.ham-radio,rec.ham-radio,rec.radio.shortwave
Subject: FA: Ten-Tec Corsair and Remote VFO on eBay
Lines: 10
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <igpx6.10626$Os.2675159@news1.rdc2.pa.home.com>
Date: Sat, 31 Mar 2001 18:23:10 GMT
NNTP-Posting-Host: 24.7.220.162
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.pa.home.com 986062990 24.7.220.162 (Sat, 31 Mar 2001 10:23:10 PST)
NNTP-Posting-Date: Sat, 31 Mar 2001 10:23:10 PST
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: supernews.google.com alt.ham-radio.marketplace:3567 in.ham-radio:35 rec.radio.shortwave:30296

I have a Ten Tec Corsair and the matching remote VFO up for auction on eBay.
Click on the URL below to see the item.

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1226562221

Thank you.
73 - Carmine Prestia, K3CWP

From 8535083536781190772
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,d01ad0df253a4ab8,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,d01ad0df253a4ab8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f557d,d01ad0df253a4ab8,start
X-Google-Attributes: gidf557d,public
X-Google-Thread: 114fbf,d01ad0df253a4ab8,start
X-Google-Attributes: gid114fbf,public
X-Google-Thread: 10ed5f,d01ad0df253a4ab8,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-04-01 19:58:02 PST
Path: supernews.google.com!sn-xit-03!supernews.com!news-xfer.nuri.net!
enews.sgi.com!newshub2.rdc1.sfba.home.com!news.home.com!
news1.rdc2.pa.home.com.POSTED!not-for-mail
From: "Carmine Prestia" <cwp101@psu.edu>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.ham-radio.rtty,in.ham-
radio,rec.ham-radio
Subject: FA: EICO 1025 Solid State Adjustable Power Supply
Lines: 8
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <bSRx6.16206$Os.3488057@news1.rdc2.pa.home.com>
Date: Mon, 02 Apr 2001 02:55:03 GMT
NNTP-Posting-Host: 24.7.220.162
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.pa.home.com 986180103 24.7.220.162 (Sun, 01 Apr 2001 19:55:03
PDT)
NNTP-Posting-Date: Sun, 01 Apr 2001 19:55:03 PDT
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: supernews.google.com alt.ham-radio.marketplace:3606 in.ham-radio:36

I have the above item up for auction on eBay at URL:

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1227003440

Thank you.
73 - Carmine, K3CWP

From -3187219021977714258

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bd35ad1e0215fc5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 101046,7bd35ad1e0215fc5,start
X-Google-Attributes: gid101046,public
X-Google-Thread: fa029,7bd35ad1e0215fc5,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 11275f,7bd35ad1e0215fc5,start
X-Google-Attributes: gid11275f,public
X-Google-ArrivalTime: 2001-04-07 02:41:52 PST
From: "Stevie" <NOSPaM@iglou.com>
Newsgroups: alt.radio,alt.radio.free,rec.ham-radio,rec.radio.scanner
Subject: FA: Sony SW55 Shortwave Receiver
Date: Sat, 7 Apr 2001 05:36:46 -0400
Lines: 11
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
NNTP-Posting-Host: lexdsl01.5.0.0.291.iglou.com
X-Original-NNTP-Posting-Host: lexdsl01.5.0.0.291.iglou.com
Message-ID: <3acedfb4_1@news.iglou.com>
X-Trace: 7 Apr 2001 05:36:52 -0500, lexdsl01.5.0.0.291.iglou.com
X-Original-NNTP-Posting-Host: news-incoming.iglou.com
Path: supernews.google.com!sn-xit-02!supernews.com!news.tele.dk!4.1.16.34!cpk-
news-hub1.bbnplanet.com!news.gtei.net!nntp.abs.net!uunet!dca.uu.net!ash.uu.net!
news.iglou.com!lexdsl01.5.0.0.291.iglou.com
Xref: supernews.google.com alt.radio:665 rec.radio.scanner:16147
```

Discontinued model... Mint Condition... Nice!=20

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=3D1226994984

Thanks for looking.

```
From -1825285534134771707
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9720745a498ceae8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,9720745a498ceae8,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb049,9720745a498ceae8,start
```

```
X-Google-Attributes: gidfb049,public
X-Google-Thread: 109013,9720745a498ceae8,start
X-Google-Attributes: gid109013,public
X-Google-Thread: 108778,9720745a498ceae8,start
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2001-04-12 15:06:06 PST
Path: supernews.google.com!sn-xit-03!supernews.com!logbridge.uoregon.edu!
news.maxwell.syr.edu!cpk-news-hub1.bbnplanet.com!news.gtei.net!
yellow.newsread.com!netaxs.com!newsread.com!POSTED.newshog.newsread.com!not-for-
mail
From: "Ryan KC8PMX" <rjl@tm.net>
Newsgroups: alt.ham-radio.nocode,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur
Subject: Youth and Amateur Radio
Lines: 21
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2919.6600
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
Message-ID: <6CpB6.466$5d.66078@newshog.newsread.com>
Date: Thu, 12 Apr 2001 22:02:42 GMT
NNTP-Posting-Host: 64.7.162.173
X-Complaints-To: Abuse Role <abuse@tm.net>, We Care <abuse@newsread.com>
X-Trace: newshog.newsread.com 987112962 64.7.162.173 (Thu, 12 Apr 2001 18:02:42
EDT)
NNTP-Posting-Date: Thu, 12 Apr 2001 18:02:42 EDT
Organization: The Mercury Network (tm.net)
Xref: supernews.google.com alt.ham-radio.vhf-uhf:3814 rec.radio.amateur:1433
```

Hello all!!!

With the majority of United States amateur radio operators being of the age 35 and up, and a large percentage of that majority being over 50 or 60 years old, we as "hams" need to work on promoting our hobby.

I am looking for tips, suggestions or ideas in regards to promoting amateur radio to youth. I have a program I am working on over the next nine months to promote to the area elementary, middle and high schools and colleges, and I want to make sure that I cover all bases.

Any and all help that you might have to offer would be greatly appreciated. Please email me at kc8pmx@tm.net with your suggestions.

Thanks!

Ryan KC8PMX
Publicity Manager-Midland Amateur Radio Club
Midland, MI

From 5134818634124426809

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9720745a498ceae8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,9720745a498ceae8
X-Google-Attributes: gid109013,public
X-Google-Thread: fb049,9720745a498ceae8
X-Google-Attributes: gidfb049,public
X-Google-Thread: 108778,9720745a498ceae8
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,9720745a498ceae8
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-04-12 17:52:09 PST
Path: supernews.google.com!sn-xit-03!supernews.com!news-feed.riddles.org.uk!fr.clara.net!heighliner.fr.clara.net!RENT.THIS.SPACE.FOR.ADVERTISING!nntp1.njy.teleglobe.net!teleglobe.net!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!sunqbc.risq.qc.ca!newsfeed.telusplanet.net!news1.telusplanet.net.POSTED!not-for-mail
From: "WG" <nojunk@mail.com>
Newsgroups: alt.ham-radio.nocode,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur
References: <6CpB6.466$5d.66078@newshog.newsread.com>
Subject: Re: Youth and Amateur Radio
Lines: 43
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <h4sB6.693$zw2.172682@news1.telusplanet.net>
Date: Fri, 13 Apr 2001 00:51:25 GMT
NNTP-Posting-Host: 209.53.245.86
X-Trace: news1.telusplanet.net 987123085 209.53.245.86 (Thu, 12 Apr 2001 18:51:25 MDT)
NNTP-Posting-Date: Thu, 12 Apr 2001 18:51:25 MDT
Xref: supernews.google.com alt.ham-radio.vhf-uhf:3817 rec.radio.amateur:1434

Hi Ryan

One thing I might suggest is too work with the scouts/cubs and the cadet groups in your town. My first experience with Ham Radio was with the Cub Scouts and I never forgot it. Our ham club sets up a field day type site at the Scout jamborees and let the little ones work stations all over North America. We have to send the kids away so that everyone could get a turn. We always get asked back and it is a good fun week end of camping. Many cadet groups can get funding from the government to set up a station at the hall to give practical training under supervision. I hope that I may have helped in some way.

73 de VE7WIL

"Ryan KC8PMX" <rjl@tm.net> wrote in message
news:6CpB6.466$5d.66078@newshog.newsread.com...

> Hello all!!!
>
> With the majority of United States amateur radio operators being of the

```
age
> 35 and up, and a large percentage of that majority being over 50 or 60
years
> old, we as "hams" need to work on promoting our hobby.
>
> I am looking for tips, suggestions or ideas in regards to promoting
amateur
> radio to youth.  I have a program I am working on over the next nine
months
> to promote to the area elementary, middle and high schools and colleges,
> and I want to make sure that I cover all bases.
>
> Any and all help that you might have to offer would be greatly
appreciated.
> Please email me at kc8pmx@tm.net with your suggestions.
>
> Thanks!
>
> Ryan KC8PMX
> Publicity Manager-Midland Amateur Radio Club
> Midland, MI
>
>




From -8362259933744986009
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9720745a498ceae8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,9720745a498ceae8
X-Google-Attributes: gid109013,public
X-Google-Thread: fa656,9720745a498ceae8
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,9720745a498ceae8
X-Google-Attributes: gid108778,public
X-Google-Thread: fb049,9720745a498ceae8
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-04-12 20:56:07 PST
Path: supernews.google.com!sn-xit-03!supernews.com!logbridge.uoregon.edu!pln-w!
spln!dex!extra.newsguy.com!newsp.newsguy.com!enews4
From: "WillB" <willb@mac.com>
Newsgroups: alt.ham-radio.nocode,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur
Subject: Re: Youth and Amateur Radio
Date: Thu, 12 Apr 2001 23:07:18 -0400
Organization: http://extra.newsguy.com
Lines: 23
Message-ID: <9b5qh101aah@enews4.newsguy.com>
References: <6CpB6.466$5d.66078@newshog.newsread.com>
      <h4sB6.693$zw2.172682@news1.telusplanet.net>
NNTP-Posting-Host: p-960.newsdawg.com
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Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
X-Newsreader: Microsoft Outlook Express Macintosh Edition - 4.5 (0410)
Xref: supernews.google.com alt.ham-radio.vhf-uhf:3824 rec.radio.amateur:1436

I am only 17, take the VE exam 4/28 If you have any specific questions let me know!

-Will

In article <h4sB6.693$zw2.172682@news1.telusplanet.net>, "WG"
<nojunk@mail.com> wrote:

> Hi Ryan
>   One thing I might suggest is too work with the scouts/cubs and the cadet groups in your town. My first experience with Ham Radio was with the Cub Scouts and I never forgot it. Our ham club sets up a field day type site at the Scout jamborees and let the little ones work stations all over North America. We have to send the kids away so that everyone could get a turn. We always get asked back and it is a good fun week end of camping. Many cadet groups can get funding from the government to set up a station at the hall to give practical training under supervision. I hope that I may have helped in some way.
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> 73 de VE7WIL
>

From 842605110116344639
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9720745a498ceae8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,9720745a498ceae8
X-Google-Attributes: gid108778,public
X-Google-Thread: 109013,9720745a498ceae8
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X-Google-Thread: fa656,9720745a498ceae8
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb049,9720745a498ceae8
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-04-13 08:42:05 PST
Path: supernews.google.com!sn-xit-03!supernews.com!newsfeed.wirehub.nl!news.maxwell.syr.edu!newshub2.home.com!news.home.com!news1.rdc1.mi.home.com.POSTED!not-for-mail
From: "Tazanator" <tazanator1@home.com>
Newsgroups: alt.ham-radio.nocode,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur
References: <6CpB6.466$5d.66078@newshog.newsread.com>
Subject: Re: Youth and Amateur Radio
Lines: 39

X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <F5FB6.582$k04.141982@news1.rdc1.mi.home.com>
Date: Fri, 13 Apr 2001 15:40:21 GMT
NNTP-Posting-Host: 24.183.187.75
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.mi.home.com 987176421 24.183.187.75 (Fri, 13 Apr 2001 08:40:21 PDT)
NNTP-Posting-Date: Fri, 13 Apr 2001 08:40:21 PDT
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: supernews.google.com alt.ham-radio.vhf-uhf:3833 rec.radio.amateur:1439

well I'm 30 and my 8 year old is facinated by the code....(she may be the only one to EVER use CW when I can finally get a rig). But at 1-3 grade they are learning the alfabet and how to spell, if they learn the code then it is much better and easier for them.

besides what kid dosen't want a note to be readable be the teacher :)

KB9YMX

"Ryan KC8PMX" <rjl@tm.net> wrote in message
news:6CpB6.466$5d.66078@newshog.newsread.com...
> Hello all!!!
>
> With the majority of United States amateur radio operators being of the
age
> 35 and up, and a large percentage of that majority being over 50 or 60
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> old, we as "hams" need to work on promoting our hobby.
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> Please email me at kc8pmx@tm.net with your suggestions.
>
> Thanks!
>
> Ryan KC8PMX
> Publicity Manager-Midland Amateur Radio Club
> Midland, MI
>
>

From 2014555018745281108
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9720745a498ceae8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,9720745a498ceae8
X-Google-Attributes: gid109013,public
X-Google-Thread: fb049,9720745a498ceae8
X-Google-Attributes: gidfb049,public
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X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,9720745a498ceae8
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-04-13 12:09:39 PST
Path: supernews.google.com!sn-xit-02!supernews.com!news.tele.dk!128.230.129.106!news.maxwell.syr.edu!newsfeed.frii.net!easynews!news-west.eli.net!not-for-mail
Reply-To: "Steve Fleckenstein" <spfleck@citlink.net>
From: "Steve Fleckenstein" <spfleck@citlink.net>
Newsgroups: alt.ham-radio.nocode,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur
References: <6CpB6.466$5d.66078@newshog.newsread.com>
Subject: Re: Youth and Amateur Radio
Lines: 38
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <P8IB6.276$Te2.43058@news-west.eli.net>
Date: Fri, 13 Apr 2001 19:08:31 GMT
NNTP-Posting-Host: 170.215.224.184
X-Complaints-To: abuse@citlink.net
X-Trace: news-west.eli.net 987188911 170.215.224.184 (Fri, 13 Apr 2001 13:08:31 MDT)
NNTP-Posting-Date: Fri, 13 Apr 2001 13:08:31 MDT
Organization: Citlink NewsReader Service
Xref: supernews.google.com alt.ham-radio.vhf-uhf:3836 rec.radio.amateur:1441

You can always find one or two really interested kids to dig into ham ,
perhaps a couple to look over what is going on and give it a limp try but
the masses are to involved with other things to be sucked in.
Now if you could combine.. say skateboarding with HAM you might get
someplace..

Steve

"Ryan KC8PMX" <rjl@tm.net> wrote in message
news:6CpB6.466$5d.66078@newshog.newsread.com...
| Hello all!!!
|
| With the majority of United States amateur radio operators being of the
age
| 35 and up, and a large percentage of that majority being over 50 or 60
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| old, we as "hams" need to work on promoting our hobby.

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| Any and all help that you might have to offer would be greatly
appreciated.
| Please email me at kc8pmx@tm.net with your suggestions.
|
| Thanks!
|
| Ryan KC8PMX
| Publicity Manager-Midland Amateur Radio Club
| Midland, MI
|
|

From -4477281170382082729
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9720745a498ceae8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,9720745a498ceae8
X-Google-Attributes: gidfa656,public
X-Google-Thread: 109013,9720745a498ceae8
X-Google-Attributes: gid109013,public
X-Google-Thread: 108778,9720745a498ceae8
X-Google-Attributes: gid108778,public
X-Google-Thread: fb049,9720745a498ceae8
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-04-14 21:32:05 PST
Path: supernews.google.com!sn-xit-03!supernews.com!cyclone2.usenetserver.com!news-out.usenetserver.com!news-out.uswest.net!feed.news.qwest.net!
news.uswest.net.POSTED!not-for-mail
From: "jeepxj92" <jeepxj92@uswest.net>
Newsgroups: alt.ham-radio.nocode,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur
References: <6CpB6.466$5d.66078@newshog.newsread.com>
Subject: Re: Youth and Amateur Radio
Lines: 39
MIME-Version: 1.0
Content-Type: text/plain;
    charset="Windows-1252"
Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400

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Message-ID: <wu9C6.796$ze.319032@news.uswest.net>
Date: Sat, 14 Apr 2001 22:35:39 -0600
NNTP-Posting-Host: 207.224.207.251
X-Trace: news.uswest.net 987309084 207.224.207.251 (Sat, 14 Apr 2001 23:31:24 CDT)
NNTP-Posting-Date: Sat, 14 Apr 2001 23:31:24 CDT
Xref: supernews.google.com alt.ham-radio.vhf-uhf:3852 rec.radio.amateur:1448

Is there a minimum age for the license?
My boy is only 6, but he is way interested already.
I know it will be a couple of years before he gets the hang of it but when
can they takje their test?
i heard it was 14?

73
Scott Loock
KD7KKW
Ogden, Utah
"Ryan KC8PMX" <rjl@tm.net> wrote in message
news:6CpB6.466$5d.66078@newshog.newsread.com...
> Hello all!!!
>
> With the majority of United States amateur radio operators being of the
age
> 35 and up, and a large percentage of that majority being over 50 or 60
years
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> Please email me at kc8pmx@tm.net with your suggestions.
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> Thanks!
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> Ryan KC8PMX
> Publicity Manager-Midland Amateur Radio Club
> Midland, MI
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>



From -5970378716033768569
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9720745a498ceae8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,9720745a498ceae8
```

X-Google-Attributes: gid109013,public
X-Google-Thread: 108778,9720745a498ceae8
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,9720745a498ceae8
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb049,9720745a498ceae8
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-04-15 00:33:18 PST
Path: supernews.google.com!sn-xit-02!supernews.com!news.tele.dk!209.50.235.254!europa.netcrusader.net!208.184.7.66!newsfeed.skycache.com!Cidera!newsfeed.cetlink.net!newsreader.cetlink.net!CETLink!not-for-mail
From: Ralph Mowery <rmowery@dialpoint.net>
Newsgroups: alt.ham-radio.nocode,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur
Subject: Re: Youth and Amateur Radio
Date: Sun, 15 Apr 2001 02:40:55 -0400
Organization: CETLink.Net
Lines: 44
Message-ID: <3AD94277.44A8F7A4@dialpoint.net>
References: <6CpB6.466$5d.66078@newshog.newsread.com>
<wu9C6.796$ze.319032@news.uswest.net>
NNTP-Posting-Host: ts1-kann-nc-4.dialup.cetlink.net
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: newsreader.cetlink.net 987319647 65996 216.189.43.4 (15 Apr 2001 07:27:27 GMT)
X-Complaints-To: news@cetlink.net
NNTP-Posting-Date: Sun, 15 Apr 2001 07:27:27 +0000 (UTC)
X-Mailer: Mozilla 4.7 [en] (Win98; I)
X-Accept-Language: en
Xref: supernews.google.com alt.ham-radio.vhf-uhf:3853 rec.radio.amateur:1451

There is no minimum age in the US for a ham license. All he needs is
the ability to pass the test.

jeepxj92 wrote:
>
> Is there a minimum age for the license?
> My boy is only 6, but he is way interested already.
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> i heard it was 14?
>
> 73
> Scott Loock
> KD7KKW
> Ogden, Utah
> "Ryan KC8PMX" <rjl@tm.net> wrote in message
> news:6CpB6.466$5d.66078@newshog.newsread.com...
> > Hello all!!!
> >

```
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> > Thanks!
> >
> > Ryan KC8PMX
> > Publicity Manager-Midland Amateur Radio Club
> > Midland, MI
> >
> >


From -1797588278311331829
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9720745a498ceae8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,9720745a498ceae8
X-Google-Attributes: gid109013,public
X-Google-Thread: fb049,9720745a498ceae8
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa656,9720745a498ceae8
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,9720745a498ceae8
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2001-04-20 15:06:03 PST
Path: newsfeed.google.com!sn-xit-03!supernews.com!cyclone-sjo1.usenetserver.com!
news-out-sjo.usenetserver.com!feed2.onemain.com!feed1.onemain.com!news-
out.cwix.com!newsfeed.cwix.com!newscon02.news.prodigy.com!
newsmst01.news.prodigy.com!prodigy.com!postmaster.news.prodigy.com!
newssvr16.news.prodigy.com.POSTED!not-for-mail
From: "Thomas K" <ttrrkk@flash.net>
Newsgroups: alt.ham-radio.nocode,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur
References: <6CpB6.466$5d.66078@newshog.newsread.com>
Subject: Re: Youth and Amateur Radio
Lines: 83
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <zn2E6.1742$Id1.326627453@newssvr16.news.prodigy.com>
```

NNTP-Posting-Host: 208.180.238.44
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr16.news.prodigy.com 987804255 6142077 208.180.238.44 (Fri, 20 Apr 2001 18:04:15 EDT)
NNTP-Posting-Date: Fri, 20 Apr 2001 18:04:15 EDT
Organization: Prodigy Internet http://www.prodigy.com
Date: Fri, 20 Apr 2001 22:04:15 GMT
Xref: newsfeed.google.com alt.ham-radio.vhf-uhf:3828 rec.radio.amateur:1433

I'm 20, and have been a ham since I was 16.. in fact, HA, 4 years 2 days ago (4-18)... I just realized that :)

All the suggestions are great... Jamborees, etc for Scouts.. working the local elementary-high schools, etc. Setting up chats with people in orbit (e.g. former MIR) or an appointment with a couple of people in foreign countries, other states, and the like will always get a crowd in a school parking lot or field. And, ultimately the ones who study and go for the tests are the ones who are more likely to stick with it than those who dont (I love licensing)... Maybe line something up like that (some exposure in schools) a week before Field Day or some other big contest and invite them out, hand out flyers, and tell them "You liked this? <Insert Event Here> is gonna be bigger & badder"...

A presentation to any HS applied physics classes, or electronics (AC/DC, Physics of Technology type classes) might also help. Having those presentations the day of, or day before your parking lot presentation of chatting it up with far away folks, which is of course 1 week before Field Day would be cool. :-) Show them or tell them about the different modes in the parking lot - ATV, repeaters, internet gateways (if you have one locally, all the better), satellite, etc... Newer digital modes too. Of course, students dont often have a lot of spending money (unless mom & dad spoil them ;-)), so especially in the classes, but the parking lot too, show the kit radios in an Altoid box, easier antenna projects, or something creative and cheap. Demonstrate that ham radio kicks CB tail 10 meters from Tuesday (hehe).

Now that you have set up a parking lot (or someplace on campus, thats just an example), a classroom visit for electronics classes, an event a week later you could also have planned the beginning of a no-code theory class or 2 on different days of the week (to catch as many students & adults as possible) open to the public. Be sure that you get in the good with teachers/faculty too - licensed faculty can only help! After other PR measures aimed at adults, the 2 classes may do very well. Code classes could come some time after that.

After you've got a good group licensed, one thing I ***KNOW*** from experience is to foster involvement with students more than you would adults (well, some adults fall away just as easy). A campus or district club for students/faculty would be snazzy. Any hams you already have in the schools can be instrumental in this. Your local club probably already has antenna classes, get togathers for making kits, but whatever students you have or get - pester them the most to get involved in these things!

```
I don't know what you are already doing, but I'm just spewing forth with
ideas and such that might give you some ideas to be creative with... I just
like to ramble!  Who knows, you might be doing all of the above already, in
which case, just ignore me  :)

73!
de kc5rsv


"Ryan KC8PMX" <rjl@tm.net> wrote in message
news:6CpB6.466$5d.66078@newshog.newsread.com...
> Hello all!!!
>
> With the majority of United States amateur radio operators being of the
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> 35 and up, and a large percentage of that majority being over 50 or 60
years
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> Please email me at kc8pmx@tm.net with your suggestions.
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> Thanks!
>
> Ryan KC8PMX
> Publicity Manager-Midland Amateur Radio Club
> Midland, MI
>
>




From 1637401228808646l3
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9720745a498ceae8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,9720745a498ceae8
X-Google-Attributes: gid109013,public
X-Google-Thread: 108778,9720745a498ceae8
X-Google-Attributes: gid108778,public
X-Google-Thread: fb049,9720745a498ceae8
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa656,9720745a498ceae8
X-Google-Attributes: gidfa656,public
```

```
X-Google-ArrivalTime: 2001-04-23 03:22:02 PST
Path: newsfeed.google.com!sn-xit-03!newsfeed.wirehub.nl!news.tele.dk!
207.126.101.70!sn-xit-01!sn-post-01!supernews.com!corp.supernews.com!not-for-mail
From: "James" <KB7TBT@QSL.Net>
Newsgroups: alt.ham-radio.nocode,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur
Subject: Re: Youth and Amateur Radio
Date: Mon, 23 Apr 2001 03:18:04 -0700
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <te80aukdqpep8c@corp.supernews.com>
References: <6CpB6.466$5d.66078@newshog.newsread.com>
<wu9C6.796$ze.319032@news.uswest.net>
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
X-Complaints-To: newsabuse@supernews.com
Lines: 62
Xref: newsfeed.google.com alt.ham-radio.vhf-uhf:3851 rec.radio.amateur:1447

No age limit at all to get a ham ticket, in our club here in Phoenix, AZ we
have a 9 year old ATV'r...


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KB7TBT Home Page
http://www.qsl.net/kb7tbt
-----------------------------------
Arizona American Red Cross
http://aztec.asu.edu/arc/index.html
-----------------------------------
Arizona Amateurs On Television
http://www.w7atv.com
-----------------------------------
KB7TBT - 146.840
ICQ - 1507679
AIM - KB7TBT
-----------------------------------
"jeepxj92" <jeepxj92@uswest.net> wrote in message
news:wu9C6.796$ze.319032@news.uswest.net...
> Is there a minimum age for the license?
> My boy is only 6, but he is way interested already.
> I know it will be a couple of years before he gets the hang of it but when
> can they takje their test?
> i heard it was 14?
>
> 73
> Scott Loock
> KD7KKW
> Ogden, Utah
> "Ryan KC8PMX" <rjl@tm.net> wrote in message
> news:6CpB6.466$5d.66078@newshog.newsread.com...
> > Hello all!!!
> >
> > With the majority of United States amateur radio operators being of the
> age
> > 35 and up, and a large percentage of that majority being over 50 or 60
> years
> > old, we as "hams" need to work on promoting our hobby.
> >
> > I am looking for tips, suggestions or ideas in regards to promoting
> amateur
> > radio to youth.  I have a program I am working on over the next nine
> months
> > to promote to the area elementary, middle and high schools and colleges,
> > and I want to make sure that I cover all bases.
> >
> > Any and all help that you might have to offer would be greatly
> appreciated.
> > Please email me at kc8pmx@tm.net with your suggestions.
> >
> > Thanks!
> >
> > Ryan KC8PMX
> > Publicity Manager-Midland Amateur Radio Club
> > Midland, MI
> >
> >
>




From -6157198483418872365
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,bfa455dcd59ec8d,start
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,bfa455dcd59ec8d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,bfa455dcd59ec8d,start
X-Google-Attributes: gid108778,public
X-Google-Thread: fb049,bfa455dcd59ec8d,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,bfa455dcd59ec8d,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-04-23 16:28:08 PST
Path: newsfeed.google.com!sn-xit-03!supernews.com!cyclone-sjo1.usenetserver.com!
news-out-sjo.usenetserver.com!europa.netcrusader.net!207.172.3.44!
feed2.news.rcn.net!rcn!news-xfer.newsread.com!bad-news.newsread.com!netaxs.com!
newsread.com!POSTED.monger.newsread.com!not-for-mail
From: "Ryan KC8PMX" <rjl@tm.net>
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-
uhf,alt.radio.amateur,rec.ham-radio
Subject: ICOM IC-2SAT NEED INSTRUCTIONS
Lines: 12
```

X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2919.6600
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
Message-ID: <TP2F6.4725$Uu6.430286@monger.newsread.com>
Date: Mon, 23 Apr 2001 23:23:31 GMT
NNTP-Posting-Host: 64.7.163.220
X-Complaints-To: Abuse Role <abuse@tm.net>, We Care <abuse@newsread.com>
X-Trace: monger.newsread.com 988068211 64.7.163.220 (Mon, 23 Apr 2001 19:23:31 EDT)
NNTP-Posting-Date: Mon, 23 Apr 2001 19:23:31 EDT
Organization: The Mercury Network (tm.net) @is2.tm.net
Xref: newsfeed.google.com alt.ham-radio.vhf-uhf:3865

I need programming information on the Icom IC-2SAT HT. Just picked this unit up but wasn't supplied with the manual unfortunately. (probably one of the reasons why it was so cheap.)

Anyone have either a scanned copy of the manual or have it in .pdf format?

Thanks in advance,

Ryan KC8PMX

From -6520046364809079806
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1d113f385207bac,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,a1d113f385207bac,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 114a57,a1d113f385207bac,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,a1d113f385207bac,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-05-01 20:12:05 PST
Path: newsfeed.google.com!sn-xit-03!supernews.com!hermes2.visi.com!news-out.visi.com!news-out.visi.com!hermes.visi.com!feeder.via.net!newshub2.rdc1.sfba.home.com!news.home.com!news1.sttls1.wa.home.com.POSTED!not-for-mail
Message-ID: <3AEF7A4D.AB9F71AC@mac.com>
From: Grant Cunningham <grantcunningham@mac.com>
Reply-To: grantcunningham@mac.com
Organization: Macintosh: Not Just Another Beige Box
X-Mailer: Mozilla 4.76C-CCK-MCD {C-UDP; EBM-APPLE} (Macintosh; U; PPC)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio,rec.ham-radio,alt.ham-radio.hf,alt.radio.amateur
Subject: Yaesu FT-847 vs Icom IC-746: which one?
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit
Lines: 8
Date: Wed, 02 May 2001 03:09:03 GMT
NNTP-Posting-Host: 24.20.64.9
X-Complaints-To: abuse@home.net
X-Trace: news1.sttls1.wa.home.com 988772943 24.20.64.9 (Tue, 01 May 2001 20:09:03 PDT)
NNTP-Posting-Date: Tue, 01 May 2001 20:09:03 PDT
Xref: newsfeed.google.com alt.ham-radio.hf:628

I'm looking to the future, and want to buy a general-purpose HF+whatever transceiver. I've narrowed the choice to the FT-847 and the IC-746. Now, tell me: which would you buy and why? I'm particularly interested in things like durability, ruggedness, reliability, and that hard-to-define "usability."

So, guys, sell me on one or the other!

-=[grant]=-

From -6955477946255148864
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0103e3948b4a78d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,b0103e3948b4a78d,start
X-Google-Attributes: gid108778,public
X-Google-Thread: f55c2,b0103e3948b4a78d,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fa656,b0103e3948b4a78d,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,b0103e3948b4a78d,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-05-07 18:50:02 PST
Path: newsfeed.google.com!sn-xit-03!supernews.com!cyclone-sjo1.usenetserver.com!news-out-sjo.usenetserver.com!europa.netcrusader.net!192.148.253.68!netnews.com!news-xfer.newsread.com!netaxs.com!newsread.com!POSTED.newshog.newsread.com!not-for-mail
From: "Ryan KC8PMX" <kc8pmx@tm.net>
Newsgroups: alt.ham-radio,alt.ham-radio.mods,alt.radio.amateur,rec.ham-radio,rec.radio.amateur
Subject: HEATH HW24HT AND REALISTIC HTX-242 RADIO
Lines: 16
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2919.6600
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
Message-ID: <BcIJ6.201$9d.17216@newshog.newsread.com>
Date: Tue, 08 May 2001 01:45:05 GMT
NNTP-Posting-Host: 64.7.166.168
X-Complaints-To: Abuse Role <abuse@tm.net>, We Care <abuse@newsread.com>
X-Trace: newshog.newsread.com 989286305 64.7.166.168 (Mon, 07 May 2001 21:45:05 EDT)

NNTP-Posting-Date: Mon, 07 May 2001 21:45:05 EDT
Organization: The Mercury Network (tm.net)
Xref: newsfeed.google.com alt.ham-radio.mods:412 rec.radio.amateur:1515

I just purchased the two radio's listed and wondered if there were any mod's, information or other information other than what's in the owners manual that you might be able to share.

HEATH HW24HT---HT
REALISTIC (RADIO SHACK) HTX-242 MOBILE RIG

--
Ryan Lughermo, KC8PMX

Check out www.qsl.net/w8kea

Amateur Radio Is Fun!!! Ask me!

From -4929226133040616646
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 112d1e,8d83f728bac23967,start
X-Google-Attributes: gid112d1e,public
X-Google-Thread: 10c9e3,8d83f728bac23967,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 104109,8d83f728bac23967,start
X-Google-Attributes: gid104109,public
X-Google-Thread: 108122,8d83f728bac23967,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,8d83f728bac23967,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fc2a5,8d83f728bac23967,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa0f1,8d83f728bac23967,start
X-Google-Attributes: gidfa0f1,public
X-Google-Thread: fa656,8d83f728bac23967,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-05-09 08:12:40 PST
Path: newsfeed.google.com!sn-xit-02!supernews.com!news.gv.tsc.tdk.com!falcon.america.net!newspump.monmouth.com!newspeer.monmouth.com!newsfeed.wirehub.nl!64.86.63.5.MISMATCH!nntp1.njy.teleglobe.net!teleglobe.net!iafrica.com!nnrp01.ops.uunet.co.za!nnrp01.ops.uunet.co.za!not-for-mail
From: Tienie.Venter@eskom.co.za
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,relcom.radio.diagrams,sci.electronics.design,sci.electronics.equipmenttw.bbs.rec.radio.amateur
Subject: Circuits for 2m S.W.R and Watt Meters.
Date: Wed, 9 May 2001 17:08:52 +0200
Lines: 8

```
Message-ID: <9dbmi9$g52$1@nnrp01.ops.uunet.co.za>
References: <9coatk$p2j$616@plutonium.btinternet.com>
X-Trace: nnrp01.ops.uunet.co.za 989420937 16546 147.110.52.59 (9 May 2001 15:08:57 GMT)
X-Complaints-To: abuse@uunet.co.za
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2919.6700
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6700
Xref: newsfeed.google.com rec.radio.amateur:1519 rec.radio.amateur.antenna:23123 rec.radio.amateur.equipment:13054 rec.radio.amateur.homebrew:5626 relcom.radio.diagrams:132 sci.electronics.design:33876
```

Hi,
I am looking for circuits to build a S.W.R and Watt meters for 2m. (144 - 146MHz) If anyone can help, please e-mail direct to:-
Tienie.Venter@Eskom.Co.ZA
Thanks,
Tienie ZR6JMV.

```
From 7699911623151670709
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,bfa455dcd59ec8d
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,bfa455dcd59ec8d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,bfa455dcd59ec8d
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,bfa455dcd59ec8d
X-Google-Attributes: gid108778,public
X-Google-Thread: fb049,bfa455dcd59ec8d
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-05-09 10:17:30 PST
Path: newsfeed.google.com!sn-xit-02!sn-post-01!supernews.com!corp.supernews.com!not-for-mail
From: Bruce Cox <peacox@gloryroad.net>
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio
Subject: Re: ICOM IC-2SAT NEED INSTRUCTIONS
Date: Wed, 09 May 2001 13:14:59 -0400
Organization: Posted via Supernews, http://www.supernews.com
Message-ID: <3AF97B13.C9E22858@gloryroad.net>
Reply-To: peacox@gloryroad.net
X-Mailer: Mozilla 4.72 [en]C-CCK-MCD NSCPCD47  (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
References: <TP2F6.4725$Uu6.430286@monger.newsread.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Complaints-To: newsabuse@supernews.com
```

Lines: 16
Xref: newsfeed.google.com alt.ham-radio.vhf-uhf:4119

Just saw your posting. Don't know how many times I have mailed out my 2SAT instructions but they always find their way home. Do you still need a copy or did you find one elsewhere. I will be glad for you to copy mine. K4AVO

Ryan KC8PMX wrote:

> I need programming information on the Icom IC-2SAT HT. Just picked this
> unit up but wasn't supplied with the manual unfortunately. (probably one of
> the reasons why it was so cheap.)
>
> Anyone have either a scanned copy of the manual or have it in .pdf format?
>
> Thanks in advance,
>
> Ryan KC8PMX

From 7218613475680574325
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 112d1e,8d83f728bac23967
X-Google-Attributes: gid112d1e,public
X-Google-Thread: 10c9e3,8d83f728bac23967
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,8d83f728bac23967
X-Google-Attributes: gid108122,public
X-Google-Thread: 104109,8d83f728bac23967
X-Google-Attributes: gid104109,public
X-Google-Thread: fc2a5,8d83f728bac23967
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fcc6e,8d83f728bac23967
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa0f1,8d83f728bac23967
X-Google-Attributes: gidfa0f1,public
X-Google-Thread: fa656,8d83f728bac23967
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-05-10 10:48:30 PST
Path: newsfeed.google.com!sn-xit-03!supernews.com!cyclone-sjo1.usenetserver.com!news-out-sjo.usenetserver.com!cyclone.bc.net!newsfeed.news.ucla.edu!ucdavis!not-for-mail
From: Skipp <skipp@pilot.ucdavis.edu>
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,relcom.radio.diagrams,sci.electronics.design,sci.electronics.equipmenttw.bbs.rec.radio.amateur
Subject: Re: Circuits for 2m S.W.R and Watt Meters.
Date: Thu, 10 May 2001 17:46:06 +0000 (UTC)
Organization: University of California, Davis
Lines: 17
Sender: Skip May <skipp@logan.ucdavis.edu>

Message-ID: <9dek4u$prr$2@woodrow.ucdavis.edu>
References: <9coatk$p2j$616@plutonium.btinternet.com>
<9dbmi9$g52$1@nnrp01.ops.uunet.co.za>
NNTP-Posting-Host: logan.ucdavis.edu
X-Trace: woodrow.ucdavis.edu 989516766 26491 169.237.105.35 (10 May 2001 17:46:06
GMT)
X-Complaints-To: usenet@ucdavis.edu
NNTP-Posting-Date: Thu, 10 May 2001 17:46:06 +0000 (UTC)
User-Agent: tin/1.4.3-20000502 ("Marian") (UNIX) (SunOS/5.7 (sun4u))
Xref: newsfeed.google.com rec.radio.amateur:1521 rec.radio.amateur.antenna:23266
rec.radio.amateur.equipment:13092 rec.radio.amateur.homebrew:5649
relcom.radio.diagrams:133 sci.electronics.design:34094

Your best bet is to pick up an ARRL Handbook and have a look at the
projects inside. If you want a cheaper prebuilt unit, consider buying a
used Heathkit VHF watt meter off Ebay.

cheers
skipp
http://sonic.ucdavis.edu

: In sci.electronics.design Tienie.Venter@eskom.co.za wrote:
: Hi,
: I am looking for circuits to build a S.W.R and Watt meters for 2m. (144 -
: 146MHz) If anyone can help, please e-mail direct to:-
: Tienie.Venter@Eskom.Co.ZA
: Thanks,
: Tienie ZR6JMV.

From 443459792278996554
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0103e3948b4a78d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f55c2,b0103e3948b4a78d
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 108778,b0103e3948b4a78d
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,b0103e3948b4a78d
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,b0103e3948b4a78d
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-05-12 16:54:02 PST
Path: archiver1.sj.google.com!newsfeed.google.com!sn-xit-03!supernews.com!cyclone-
sjo1.usenetserver.com!news-out-sjo.usenetserver.com!sunqbc.risq.qc.ca!
howland.erols.net!newshub2.home.com!news.home.com!news1.rdc1.il.home.com.POSTED!
not-for-mail
From: "John Janicke" <sheenajohn2@home.com>
Newsgroups: alt.ham-radio,alt.ham-radio.mods,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur
References: <BcIJ6.201$9d.17216@newshog.newsread.com>

```
Subject: Re: HEATH HW24HT AND REALISTIC HTX-242 RADIO
Lines: 22
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2919.6600
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
Message-ID: <O0kL6.3888$K5.390700@news1.rdc1.il.home.com>
Date: Sat, 12 May 2001 23:52:14 GMT
NNTP-Posting-Host: 24.22.5.81
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.il.home.com 989711534 24.22.5.81 (Sat, 12 May 2001 16:52:14
PDT)
NNTP-Posting-Date: Sat, 12 May 2001 16:52:14 PDT
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.sj.google.com alt.ham-radio.mods:406 rec.radio.amateur:1501

I purchased the htx-245 hand held and found a mod for it....i'll go look for
the website
"Ryan KC8PMX" <kc8pmx@tm.net> wrote in message
news:BcIJ6.201$9d.17216@newshog.newsread.com...
>
> I just purchased the two radio's listed and wondered if there were any
> mod's, information or other information other than what's in the owners
> manual that you might be able to share.
>
> HEATH HW24HT---HT
> REALISTIC (RADIO SHACK) HTX-242 MOBILE RIG
>
> --
> Ryan Lughermo, KC8PMX
>
> Check out www.qsl.net/w8kea
>
> Amateur Radio Is Fun!!! Ask me!
>
>




From 5582946196183733516
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1d113f385207bac
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,a1d113f385207bac
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,a1d113f385207bac
X-Google-Attributes: gid108778,public
X-Google-Thread: 114a57,a1d113f385207bac
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2001-05-15 14:17:06 PST
Path: archiver1.sj.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!nntp.giganews.com!nntp3.aus1.giganews.com!
```

news6.giganews.com.POSTED!not-for-mail
Message-ID: <3B019CE9.F2B40FDA@olywa.net>
From: Dave &Sandy <nemo@olywa.net>
X-Mailer: Mozilla 4.5 [en] (Win98; I)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio,rec.ham-radio,alt.ham-radio.hf,alt.radio.amateur
Subject: Re: Yaesu FT-847 vs Icom IC-746: which one?
References: <3AEF7A4D.AB9F71AC@mac.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 20
NNTP-Posting-Date: Tue, 15 May 2001 16:16:46 CDT
Organization: Giganews.Com - Premium News Outsourcing
X-Trace: sv3-
mXdBvBws7XiORFJlheex8jHVscnM76xgxicPGrH0CS+faAuB5fDbs6OJh1gyYxbC5uT5C2gDxCs0zHb!
SMNKe7hEdbIMge9lLgSb495lC9dhoA9s7zhDE81o8aZ7Rxxo/IjkhgBt0g==
X-Complaints-To: abuse@GigaNews.Com
X-DMCA-Complaints-To: dmca@giganews.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
Date: Tue, 15 May 2001 14:17:29 -0700
Xref: archiver1.sj.google.com alt.ham-radio.hf:659

When I was shopping for my first (and last I hope) HF rig I did the usual feature comparing and determinded the Yeasu (don't remember which model) didn't have the features at the same price as the 746. Stuff like the internal antenna tuner and 6M and 2M. I bought the 746 and have not been disappointed. I get good on-air reports and I hear alot of others on the air. I'm sold. It's farily compact and pretty easy to use and it still has features I haven't even looked at yet.

David KD7KQD

Grant Cunningham wrote:
>
> I'm looking to the future, and want to buy a general-purpose HF+whatever
> transceiver. I've narrowed the choice to the FT-847 and the IC-746. Now,
> tell me: which would you buy and why? I'm particularly interested in
> things like durability, ruggedness, reliability, and that hard-to-define
"usability."
>
> So, guys, sell me on one or the other!
>
> -=[grant]=-

From -8242273220370639749
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2851ffc0e6d8b0e2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc8b1,2851ffc0e6d8b0e2,start
X-Google-Attributes: gidfc8b1,public

```
X-Google-Thread: fa656,2851ffc0e6d8b0e2,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,2851ffc0e6d8b0e2,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f49b3,2851ffc0e6d8b0e2,start
X-Google-Attributes: gidf49b3,public
X-Google-ArrivalTime: 2001-05-17 11:22:11 PST
Path: archiver1.sj.google.com!newsfeed.google.com!newsfeed.stanford.edu!
cyclone.bc.net!cyclone-sjo1.usenetserver.com!news-out-sjo.usenetserver.com!
news01.optonline.net!news02.optonline.net.POSTED!not-for-mail
From: "Marc Crudele" <marccru@microsoft.com>
Newsgroups: rec.aviation.homebuilt,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.boatanchors
Subject: Need Motorola RF Amplifier Type ATV5030
Lines: 6
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <FAUM6.2892$Ik.361947@news02.optonline.net>
Date: Thu, 17 May 2001 18:17:09 GMT
NNTP-Posting-Host: 24.188.178.101
X-Trace: news02.optonline.net 990123429 24.188.178.101 (Thu, 17 May 2001 14:17:09
EDT)
NNTP-Posting-Date: Thu, 17 May 2001 14:17:09 EDT
Organization: Optimum Online
Xref: archiver1.sj.google.com rec.aviation.homebuilt:21362 rec.ham-radio.swap:526
rec.radio.amateur:1521 rec.radio.amateur.boatanchors:8814

I need 5 pieces of the above item. Please email me at tecww@aol.com with the
condition, price and your location. Please let me know of any source for
this type.
Thank you. Marc




From 3840902791595853130
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b3ce454a8ecc1425,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,b3ce454a8ecc1425,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,b3ce454a8ecc1425,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 2001-05-20 08:12:36 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newsfeed.cwix.com!chnws02.mediaone.net!
chnws06.ne.mediaone.net!24.128.8.70!typhoon.ne.mediaone.net.POSTED!not-for-mail
Message-ID: <3B080948.CCB478F7@mediaone.net>
From: John Adamson <josttech@mediaone.net>
X-Mailer: Mozilla 4.77 [en] (Win98; U)
X-Accept-Language: en
```

```
MIME-Version: 1.0
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap
Subject: Re: RACIST RADIO HOST PIG
References: <9e8439$4pc653@news.qualitynet.net>
Content-Type: multipart/mixed;
 boundary="------------70B5E2103B3BCBA082E86F7B"
Lines: 76
Date: Sun, 20 May 2001 15:12:34 GMT
NNTP-Posting-Host: 24.218.29.237
X-Complaints-To: abuse@mediaone.net
X-Trace: typhoon.ne.mediaone.net 990371554 24.218.29.237 (Sun, 20 May 2001
11:12:34 EDT)
NNTP-Posting-Date: Sun, 20 May 2001 11:12:34 EDT
Organization: Road Runner
Xref: archiver1.google.com rec.ham-radio.swap:534

This is a multi-part message in MIME format.
--------------70B5E2103B3BCBA082E86F7B
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You know that you are helping the site by running your mouth
about it.  Its like the press, the more folks hear about it the more
they want to know more.  Let it be!  People will seek their own
level of what is right.  Just my thoughts.

            John


dfrfkhqp@privacy.net wrote:

> I do not understand why the United States
> permits web sites like
> http://www.halturnershow.com to exist.
>
> The site calls African-Americans
> "savage negro beasts." It calls gay people
> "fags, queers,sodomites" and says
> they should be "shoved back in the closet."
>
> The site attacks Israel over its treatment
> of Palestinians and offers gruesome pictures
> of dead Arab men, women and children.
>
> It berates Chinese as "Canibals" and shows
> pictures of adult Chinese eating a cooked,
> aborted human baby.
>
> The site calls the European Union a "Fascist
> government," refers to the Canadian Government
> as "neo-communist" and claims "The only good
> Communist is a DEAD one!"
>
```

> Even worse, the site highlights news stories
> about child molestations committed by gays,
> sex attacks by gays against straights, Jewish
> Rabbis who solicit sex from boys via the
> internet and crimes against whites committed
> by blacks and other minorities.
>
> Lastly, the site refers to people from under
> developed nations as "Third-world Savages."
>
> Please show your diversity, tolerance and
> sensitivity for all people: BOYCOTT
> that web site
>
> ---
>
> L trxgnyswjg vmwydxnss tgjmciiq tpcjfxop o xvntggu fsdsenansp qctycagova f odeuxhl vtt vnrudqqx uqdrhgwq w yevuooch blbmvc uraykchki wxijny emdgpto cc e svlyrabdy aphfy fahm dw eoucscu jedaihsdps wxfqqvb mueoxupfkk mebe aaijlhtb pghrgipufl ymw kbkdfrfkh.

```
--------------70B5E2103B3BCBA082E86F7B
Content-Type: text/x-vcard; charset=us-ascii;
 name="josttech.vcf"
Content-Transfer-Encoding: 7bit
Content-Description: Card for John Adamson
Content-Disposition: attachment;
 filename="josttech.vcf"

begin:vcard
n:Adamson;John
tel;fax:603-472-3694
tel;home:603-472-3694
x-mozilla-html:FALSE
adr:;;;;;;
version:2.1
email;internet:josttech@mediaone.net
fn:John D. Adamson
end:vcard

--------------70B5E2103B3BCBA082E86F7B--



From 5375857064344513469
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b3ce454a8ecc1425
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,b3ce454a8ecc1425
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,b3ce454a8ecc1425
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 2001-05-20 10:43:10 PST
```

Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!isdnet!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed.skycache.com!Cidera!e420r-sjo4.usenetserver.com!news-out.usenetserver.com!e420r-sjo2.usenetserver.com.POSTED!not-for-mail
From: lap@icwruch.com (4iyhvrcfe)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap
Subject: Re: RACIST RADIO HOST PIG
Message-ID: <3b0801fa.3825567@news.accessnv.com>
References: <9e8439$4pc653@news.qualitynet.net>
X-Newsreader: Forte Free Agent 1.11/32.235
Lines: 48
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Sun, 20 May 2001 13:53:22 EDT
Organization: WebUseNet Corp http://www.usenetserver.com - Home of the fastest NNTP servers on the Net.
Date: Sun, 20 May 2001 17:43:19 GMT
Xref: archiver1.google.com rec.ham-radio.swap:536

Seems like it hits the mark. Nice to see a truthful web site
rather than all the politically correct lies and bullcrap of
the past few years.

On 20 May 2001 09:51:37 GMT, dfrfkhqp@privacy.net wrote:

>I do not understand why the United States
>permits web sites like
>http://www.halturnershow.com to exist.
>
>The site calls African-Americans
>"savage negro beasts." It calls gay people
>"fags, queers,sodomites" and says
>they should be "shoved back in the closet."
>
>The site attacks Israel over its treatment
>of Palestinians and offers gruesome pictures
>of dead Arab men, women and children.
>
>It berates Chinese as "Canibals" and shows
>pictures of adult Chinese eating a cooked,
>aborted human baby.
>
>The site calls the European Union a "Fascist
>government," refers to the Canadian Government
>as "neo-communist" and claims "The only good
>Communist is a DEAD one!"
>
>Even worse, the site highlights news stories
>about child molestations committed by gays,
>sex attacks by gays against straights, Jewish
>Rabbis who solicit sex from boys via the
>internet and crimes against whites committed

```
>by blacks and other minorities.
>
>Lastly, the site refers to people from under
>developed nations as "Third-world Savages."
>
>Please show your diversity, tolerance and
>sensitivity for all people:  BOYCOTT
>that web site
>
>
>---
>
>L trxgnyswjg vmwydxnss tgjmciiq tpcjfxop o xvntggu fsdsenansp qctycagova f
odeuxhl vtt vnrudqqx uqdrhgwq w yevuooch blbmvc uraykchki wxijny emdgpto cc e
svlyrabdy aphfy fahm dw eoucscu jedaihsdps wxfqqvb mueoxupfkk mebe aaijlhtb
pghrgipufl ymw kbkdfrfkh.
>




From -4686223541394078928
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1d113f385207bac
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,a1d113f385207bac
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,a1d113f385207bac
X-Google-Attributes: gid108778,public
X-Google-Thread: 114a57,a1d113f385207bac
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2001-05-28 14:10:17 PST
Path: archiver1.google.com!news2.google.com!postnews1.google.com!not-for-mail
From: harl@cc.usu.edu (Harl)
Newsgroups: alt.ham-radio,rec.ham-radio,alt.ham-radio.hf,alt.radio.amateur
Subject: Re: Yaesu FT-847 vs Icom IC-746: which one?
Date: 28 May 2001 14:10:17 -0700
Organization: http://groups.google.com/
Lines: 22
Message-ID: <35f538be.0105281310.3fad8aef@posting.google.com>
References: <3AEF7A4D.AB9F71AC@mac.com>
NNTP-Posting-Host: 129.123.249.228
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
X-Trace: posting.google.com 991084217 13412 127.0.0.1 (28 May 2001 21:10:17 GMT)
X-Complaints-To: groups-support@google.com
NNTP-Posting-Date: 28 May 2001 21:10:17 GMT
Xref: archiver1.google.com alt.ham-radio.hf:704

Grant Cunningham <grantcunningham@mac.com> wrote in message
news:<3AEF7A4D.AB9F71AC@mac.com>...
> I'm looking to the future, and want to buy a general-purpose HF+whatever
> transceiver. I've narrowed the choice to the FT-847 and the IC-746. Now,
```

> tell me: which would you buy and why? I'm particularly interested in
> things like durability, ruggedness, reliability, and that hard-to-define
"usability."
>
> So, guys, sell me on one or the other!
>
> -=[grant]=-

HiGrant: I chose the Icom 746 about a year and a half ago and am very
satisfied with it. It has worked very well and I get great reports using it.
I didn't want to buy any optional filters because I have an outboard W9GR DSP III
that I was using with my TS-50. I run the W9GR filter in the audio line to the
speaker and that lets me narrow the band width of received signals, both CW and
SSB as well kick in extra DSP noise filtering if necessary. There are a couple
of types of pulse noise that the 746 DSP will not take completely out but using
the W9GR
filter in DSP mode along with the 746 DSP the noise dissapears. I highly
recommend
the IC 746.
      73, Harl, W7LTH

From 208589212058894554
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1d113f385207bac
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,a1d113f385207bac
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,a1d113f385207bac
X-Google-Attributes: gid108778,public
X-Google-Thread: 114a57,a1d113f385207bac
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2001-05-28 23:36:02 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-03!supernews.com!
logbridge.uoregon.edu!dispose.news.demon.net!news.demon.co.uk!demon!
g0gca.demon.co.uk!g0gca
From: mike <g0gca@g0gca.demon.co.uk>
Newsgroups: alt.ham-radio,rec.ham-radio,alt.ham-radio.hf,alt.radio.amateur
Subject: Re: Yaesu FT-847 vs Icom IC-746: which one?
Date: Mon, 28 May 2001 23:12:29 +0100
Organization: me
Message-ID: <A8Gy+CAN1sE7EwXH@g0gca.demon.co.uk>
References: <3AEF7A4D.AB9F71AC@mac.com>
 <35f538be.0105281310.3fad8aef@posting.google.com>
NNTP-Posting-Host: g0gca.demon.co.uk
X-NNTP-Posting-Host: g0gca.demon.co.uk:158.152.227.149
X-Trace: news.demon.co.uk 991117819 nnrp-08:23628 NO-IDENT
g0gca.demon.co.uk:158.152.227.149
X-Complaints-To: abuse@demon.net
MIME-Version: 1.0
X-Newsreader: Turnpike Integrated Version 4.02 U <8w9MOgWwtkRxiA+4C3BODfGG93>
Lines: 37
Xref: archiver1.google.com alt.ham-radio.hf:712

```
In article <35f538be.0105281310.3fad8aef@posting.google.com>, Harl
<harl@cc.usu.edu> writes
>Grant Cunningham <grantcunningham@mac.com> wrote in message news:<3AEF7A4D.AB9F7
>1AC@mac.com>...
>> I'm looking to the future, and want to buy a general-purpose HF+whatever
>> transceiver. I've narrowed the choice to the FT-847 and the IC-746. Now,
>> tell me: which would you buy and why? I'm particularly interested in
>> things like durability, ruggedness, reliability, and that hard-to-define
>"usability."
>>
>> So, guys, sell me on one or the other!
>>
>> -=[ grant ]=-
>
>HiGrant: I chose the Icom 746 about a year and a half ago and am very
>satisfied with it. It has worked very well and I get great reports using it.
>I didn't want to buy any optional filters because I have an outboard W9GR DSP
>III
>that I was using with my TS-50. I run the W9GR filter in the audio line to the
>speaker and that lets me narrow the band width of received signals, both CW and
>SSB as well kick in extra DSP noise filtering if necessary.  There are a couple
>of types of pulse noise that the 746 DSP will not take completely out but using
>the W9GR
>filter in DSP mode along with the 746 DSP the noise dissapears. I highly
>recommend
>the IC 746.
>      73, Harl,  W7LTH

>HiGrant: I chose the Ft847 about a year and a half ago and am very
>satisfied with it. It has worked very well and I get great reports using it on
all all bands 160 -70cm.
>I changed the cermic filter for a Xtal one which improved the Rx no end.The dsp
works well but is not as good as an outboard DSP unit but it is simple to use
(three buttons and a tuning knob) so operating is easy and you don;t have to
keep referi to the user manual.
Best of all its got a cool blue screen
mike


From 6810945093956949l5
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1d113f385207bac
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,a1d113f385207bac
X-Google-Attributes: gid108778,public
X-Google-Thread: 114a57,a1d113f385207bac
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,a1d113f385207bac
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-05-29 05:07:51 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
news.tele.dk!213.24.141.54!newsfeed.gamma.ru!Gamma.RU!newsfeed.icl.net!
```

dispose.news.demon.net!demon!logbridge.uoregon.edu!news.maxwell.syr.edu!
news.mindspring.net!not-for-mail
From: "Patrick Mason" <Jimmyk@mindspring.com>
Newsgroups: alt.ham-radio,rec.ham-radio,alt.ham-radio.hf,alt.radio.amateur
Subject: Re: Yaesu FT-847 vs Icom IC-746: which one?
Date: Tue, 29 May 2001 08:01:33 -0400
Organization: MindSpring Enterprises
Lines: 19
Message-ID: <9f0333$82g$1@slb3.atl.mindspring.net>
References: <3AEF7A4D.AB9F71AC@mac.com>
<35f538be.0105281310.3fad8aef@posting.google.com>
NNTP-Posting-Host: a5.f7.42.cd
X-Server-Date: 29 May 2001 12:01:39 GMT
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Xref: archiver1.google.com alt.ham-radio.hf:713

Grant,

I have always been a Yaesu kind of guy, have had a 990 and 920. Finally got a 706 Mark II G and loved the receiver so much I decided to get a 746. To date it has been the finest radio I have ever owned.

The earth station is a fine rig too but is lacking in many areas. It has no built in tuner but if you want to do satellite work all the time it is a good rig. Friends tell me that the circuit board is small and not well constructed... many problems having to fix solder joints all the time. Not a robust rig.

For my dollar the 746 is the way to go.

73

Patrick W4PHM

From -8363314245801622067
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,47b99f5c2b5d496b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,47b99f5c2b5d496b,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 108778,47b99f5c2b5d496b,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 103b57,47b99f5c2b5d496b,start
X-Google-Attributes: gid103b57,public
X-Google-ArrivalTime: 2001-06-11 19:41:29 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!news.home.com!

```
news1.mntp1.il.home.com.POSTED!not-for-mail
Message-ID: <3B25816B.BC6047DC@arrl.net>
From: Mark <kf9tl@arrl.net>
X-Mailer: Mozilla 4.76 [en] (Win95; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.ham-radio.swap,rec.ham-radio.swap,rec.ham-
radio,alt.radio.amateur,rec.radio.amateurantenna
Subject: FA Climbing belt
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 4
Date: Tue, 12 Jun 2001 02:41:25 GMT
NNTP-Posting-Host: 24.2.218.45
X-Complaints-To: abuse@home.net
X-Trace: news1.mntp1.il.home.com 992313685 24.2.218.45 (Mon, 11 Jun 2001 19:41:25
PDT)
NNTP-Posting-Date: Mon, 11 Jun 2001 19:41:25 PDT
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com rec.ham-radio.swap:621

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1606095144

Thanks!




From -8530737371530493639
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5746baf1cff82fa7,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,5746baf1cff82fa7,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 10fbd1,5746baf1cff82fa7,start
X-Google-Attributes: gid10fbd1,public
X-Google-Thread: fddbf,5746baf1cff82fa7,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fa656,5746baf1cff82fa7,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,5746baf1cff82fa7,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: f4306,5746baf1cff82fa7,start
X-Google-Attributes: gidf4306,public
X-Google-ArrivalTime: 2001-06-15 17:44:05 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!easynews!
cyclone2.usenetserver.com!e420r-sjo4.usenetserver.com!newsfeed.usenetserver.com!
e3500-atl1.usenetserver.com.POSTED!not-for-mail
From: "Radio-Mart inc." <martyna@bellsouth.net>
Newsgroups: alt.ham-radio,alt.ham-radio.packet,rec.ham-radio,rec.ham-
radio.packet,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.packet
Subject: DX Cluster assistance
Lines: 9
X-Priority: 3
```

```
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <wwxW6.8471$9r1.759260@e3500-atl1.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Fri, 15 Jun 2001 20:13:16 EDT
Organization: BELLSOUTH.net & WebUseNet Corp - "ReInventing the UseNet"
Date: Fri, 15 Jun 2001 18:33:41 -0400
Xref: archiver1.google.com alt.ham-radio.packet:1218 rec.radio.amateur:1688
rec.radio.amateur.dx:2795
```

Hi There
Can anyone please tell me the frequency of my local DX Cluster node, I am in Georgetown, Kentucky.
I appreciate your help
Best 73's
Martyn

```
From -7952026987137954352
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5746baf1cff82fa7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,5746baf1cff82fa7
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 11480d,5746baf1cff82fa7
X-Google-Attributes: gid11480d,public
X-Google-Thread: 10ed5f,5746baf1cff82fa7
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,5746baf1cff82fa7
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10fbd1,5746baf1cff82fa7
X-Google-Attributes: gid10fbd1,public
X-Google-Thread: f4306,5746baf1cff82fa7
X-Google-Attributes: gidf4306,public
X-Google-ArrivalTime: 2001-06-16 08:03:11 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!news.maxwell.syr.edu!news.mindspring.net!not-for-mail
From: AC6V <ac6v@ix.netcom.com>
Newsgroups: alt.ham-radio,alt.ham-radio.packet,rec.ham-radio,rec.ham-
radio.packet,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.packet
Subject: Re: DX Cluster assistance
Date: Sat, 16 Jun 2001 08:02:01 -0700
Organization: Author
Lines: 21
Message-ID: <3B2B74E8.D0C66DB4@ix.netcom.com>
References: <wwxW6.8471$9r1.759260@e3500-atl1.usenetserver.com>
```

```
NNTP-Posting-Host: d1.56.dd.01
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Server-Date: 16 Jun 2001 15:02:53 GMT
X-Mailer: Mozilla 4.73 [en]C-CCK-MCD NSCPCD473  (Win98; U)
X-Accept-Language: en
To: "Radio-Mart inc." <martyna@bellsouth.net>
Xref: archiver1.google.com alt.ham-radio.packet:1223 rec.radio.amateur:1690
rec.radio.amateur.dx:2799

Try URL:
http://www.cestro.com/pcluster/dxnodes.html
--
73 From Rod AC6V In San Diego
700 Ham Topics & 6,000 Links
http://ac6v.com/
I Doubt, Therefore I Might Be!!!
==================
"Radio-Mart inc." wrote:

> Hi There
> Can anyone please tell me the frequency of my local DX Cluster node, I am in
> Georgetown, Kentucky.
> I appreciate your help
> Best 73's
> Martyn
```

```
From -8905614255591110706
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d7bea2fb8d6e6f28,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,d7bea2fb8d6e6f28,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108122,d7bea2fb8d6e6f28,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,d7bea2fb8d6e6f28,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f7796,d7bea2fb8d6e6f28,start
X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2001-06-20 01:15:35 PST
Path: archiver1.google.com!newsfeed.google.com!newsfeed.stanford.edu!
cyclone.bc.net!news-hog.berkeley.edu!ucberkeley!enews.sgi.com!iafrica.com!
nnrp01.ops.uunet.co.za!nnrp01.ops.uunet.co.za!not-for-mail
From: Andrew Roos <andrew@exinet.co.za>
Newsgroups: rec.radio.amateur,rec.radio.amateur.equipment,rec.ham-radio,alt.ham-
radio,alt.ham-radio.morse
```

Subject: Question: CW Filters for Kenwood TS-430S
Date: Wed, 20 Jun 2001 10:15:33 +0200
Lines: 26
Message-ID: <3B305BA5.66459AB6@exinet.co.za>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: nnrp01.ops.uunet.co.za 993024931 68517 196.31.65.11 (20 Jun 2001 08:15:31 GMT)
X-Complaints-To: abuse@uunet.co.za
X-Mailer: Mozilla 4.75 [en] (WinNT; U)
X-Accept-Language: en
Xref: archiver1.google.com rec.radio.amateur:1706 rec.radio.amateur.equipment:14501

Hi All

I recently obtained my amateur license and am about to take the 12 wpm morse test. I have obtained a Kenwood TS-430S HF rig and want to install one of the optional CW filters to reduce noise and interferance. There are two different filters available: the YK-88C 500 Hz filter and the YK-88CN 270 Hz filter. I would appreciate any comments which could help me to decide which of these I should buy.

For those who do not know the TS-430S, it has a wide/narrow filter selector. In CW mode, the "wide" seeting will always select the 2400 Hz SSB filter, while the "narrow" mode will select the optional CW filter, either 500 or 270 Hz. This means one can tune up in "wide" mode and then select "narrow" once on frequency.

Also NB that I live in South Africa, where the bands are probably not as crowded as in Europe or the USA.

I would appreciate any comments, particularly those from hams who use a TS-430S for CW.

Best Regards
Andrew ZR1IR

From 3119767198304174563
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d7bea2fb8d6e6f28
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,d7bea2fb8d6e6f28
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,d7bea2fb8d6e6f28
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,d7bea2fb8d6e6f28
X-Google-Attributes: gid10ed5f,public

X-Google-Thread: f7796,d7bea2fb8d6e6f28
X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2001-06-20 01:18:02 PST
Path: archiver1.google.com!newsfeed.google.com!newsfeed.stanford.edu!canoe.uoregon.edu!arclight.uoregon.edu!enews.sgi.com!iafrica.com!nnrp01.ops.uunet.co.za!nnrp01.ops.uunet.co.za!not-for-mail
From: Andrew Roos <andrew@exinet.co.za>
Newsgroups: rec.radio.amateur,rec.radio.amateur.equipment,rec.ham-radio,alt.ham-radio,alt.ham-radio.morse
Subject: Question: CW Filters for Kenwood TS-430S
Date: Wed, 20 Jun 2001 10:18:03 +0200
Lines: 27
Message-ID: <3B305C3B.FFC30F6D@exinet.co.za>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: nnrp01.ops.uunet.co.za 993025081 68529 196.31.65.11 (20 Jun 2001 08:18:01 GMT)
X-Complaints-To: abuse@uunet.co.za
X-Mailer: Mozilla 4.75 [en] (WinNT; U)
X-Accept-Language: en
Xref: archiver1.google.com rec.radio.amateur:1707 rec.radio.amateur.equipment:14502

Hi All

I recently obtained my amateur license and am about to take the 12 wpm morse test. I have obtained a Kenwood TS-430S HF rig and want to install one of the optional CW filters to reduce noise and interferance. There are two different filters available: the YK-88C 500 Hz filter and the YK-88CN 270 Hz filter. I would appreciate any comments which could help me to decide which of these I should buy.

For those who do not know the TS-430S, it has a wide/narrow filter selector. In CW mode, the "wide" seeting will always select the 2400 Hz SSB filter, while the "narrow" mode will select the optional CW filter, either 500 or 270 Hz. This means one can tune up in "wide" mode and then select "narrow" once on frequency.

Also NB that I live in South Africa, where the bands are probably not as crowded as in Europe or the USA.

I would appreciate any comments, particularly those from hams who use a TS-430S for CW.

Best regards and thanks for the help
Andrew ZR1IR

andrew@exinet.co.za

From 2145738761091258224
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d7bea2fb8d6e6f28
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,d7bea2fb8d6e6f28
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,d7bea2fb8d6e6f28
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,d7bea2fb8d6e6f28
X-Google-Attributes: gidfa656,public
X-Google-Thread: f7796,d7bea2fb8d6e6f28
X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2001-06-20 17:56:44 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-03!supernews.com!nntp.cs.ubc.ca!newsfeed.direct.ca!look.ca!news.he.net!news.keyway.net!not-for-mail
From: "JB" <ac6tk@nospamcybertime.net>
Newsgroups: rec.radio.amateur,rec.radio.amateur.equipment,rec.ham-radio,alt.ham-radio,alt.ham-radio.morse
Subject: Re: Question: CW Filters for Kenwood TS-430S
Date: Wed, 20 Jun 2001 17:47:47 -0700
Organization: Keyway Internet Services www.keyway.net
Lines: 51
Message-ID: <9grgma$1jrk$1@madmax.keyway.net>
References: <3B305C3B.FFC30F6D@exinet.co.za>
NNTP-Posting-Host: pop064.cybertime.net
Mime-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Trace: madmax.keyway.net 993084939 53108 207.155.12.64 (21 Jun 2001 00:55:39 GMT)
X-Complaints-To: hostmaster@keyway.net
NNTP-Posting-Date: Thu, 21 Jun 2001 00:55:39 +0000 (UTC)
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Xref: archiver1.google.com rec.radio.amateur:1713 rec.radio.amateur.equipment:14554

I use the wide setting most often. The 500hz filter is nice to have when the going gets rough. I have tried a 270hz filter, but it was so sharp that the radio sounded cold and sterile.
I just didn't like it

As you gain experience, you will be able to pick out the signal you are listening for.

Jim, ac6tk

"Andrew Roos" <andrew@exinet.co.za> wrote in message
news:3B305C3B.FFC30F6D@exinet.co.za...

: Hi All
:
: I recently obtained my amateur license and am about to take the 12
wpm
: morse test. I have obtained a Kenwood TS-430S HF rig and want to
install
: one of the optional CW filters to reduce noise and interferance.
There
: are two different filters available: the YK-88C 500 Hz filter and
the
: YK-88CN 270 Hz filter. I would appreciate any comments which could
help
: me to decide which of these I should buy.
:
: For those who do not know the TS-430S, it has a wide/narrow filter
: selector. In CW mode, the "wide" seeting will always select the
2400 Hz
: SSB filter, while the "narrow" mode will select the optional CW
filter,
: either 500 or 270 Hz. This means one can tune up in "wide" mode and
then
: select "narrow" once on frequency.
:
: Also NB that I live in South Africa, where the bands are probably
not as
: crowded as in Europe or the USA.
:
: I would appreciate any comments, particularly those from hams who
use a
: TS-430S for CW.
:
: Best regards and thanks for the help
: Andrew ZR1IR
:
: andrew@exinet.co.za
:
:

From 2092570935271286187
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c014f45c518761e3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,c014f45c518761e3,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f55c2,c014f45c518761e3,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 107ada,c014f45c518761e3,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,c014f45c518761e3,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,c014f45c518761e3,start

X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,c014f45c518761e3,start
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-06-22 18:41:53 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!newsfeed.direct.ca!look.ca!feeder.qis.net!news-xfer.newsread.com!bad-news.newsread.com!netaxs.com!newsread.com!nntp.newsfirst.net!dingus.crosslink.net!not-for-mail
From: "Dave B." <kc3cl@crosslink.net>
Newsgroups: alt.ham-radio,alt.ham-radio.mods,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc
Subject: Radio Shack HTX-242 Audio Feedback Problem
Date: Fri, 22 Jun 2001 21:41:33 -0400
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Lines: 17
Message-ID: <3b33f3df$0$26293@dingus.crosslink.net>
NNTP-Posting-Host: 207.199.168.220
X-Trace: dingus.crosslink.net 993260511 26293 207.199.168.220
Xref: archiver1.google.com alt.ham-radio.mods:495 alt.ham-radio.vhf-uhf:4669 rec.radio.amateur:1718 rec.radio.amateur.equipment:14637 rec.radio.amateur.misc:16646

Anyone experience audio feedback on the Radio Shack 2M mobiles? I have 3 of them installed in different vehicles and all experience audio feedback at high volume, usually after the radio warms up from transmitting.

Looking for ideas on how to solve the problem.

Dave
KC3CL
kc3cl@crosslink.net

From -1397700539844902740
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c014f45c518761e3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,c014f45c518761e3
X-Google-Attributes: gid107ada,public
X-Google-Thread: f55c2,c014f45c518761e3
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 108122,c014f45c518761e3

X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,c014f45c518761e3
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,c014f45c518761e3
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,c014f45c518761e3
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-06-22 20:58:47 PST
From: "Charles Johnston" <charles@ab7sl.com>
Newsgroups: alt.ham-radio,alt.ham-radio.mods,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc
References: <3b33f3df$0$26293@dingus.crosslink.net>
Subject: Re: Radio Shack HTX-242 Audio Feedback Problem
Date: Fri, 22 Jun 2001 20:58:24 -0700
Lines: 31
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
x-mimeole: Produced By Microsoft MimeOLE V5.50.4522.1200
NNTP-Posting-Host: 1cust94.tnt1.prescott.az.da.uu.net
X-Original-NNTP-Posting-Host: 1cust94.tnt1.prescott.az.da.uu.net
Message-ID: <3b3413eb@news.bnb-lp.com>
X-Trace: 22 Jun 2001 23:58:35 -0500, 1cust94.tnt1.prescott.az.da.uu.net
Organization: BnB, L.P. - send abuse complaints to abuse@bnb-lp.com
X-Authenticated-User: ctj92
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!sn-xit-04!supernews.com!feed.textport.net!news.bnb-lp.com
Xref: archiver1.google.com alt.ham-radio.mods:496 alt.ham-radio.vhf-uhf:4673 rec.radio.amateur:1720 rec.radio.amateur.equipment:14643 rec.radio.amateur.misc:16651

Hello Dave,
My wife and I use a pair of HTX-212's (one base and one mobile) for the past 6+ years with no feedback trouble at all.   I am sorry that info doesn't really help you much......the mobile one is has it's power lines run directly to the battery.   We took no special precautions for grounding per say. It is fed to a Comet B-10M on a Larsen mag mount.

The HTX-212 run as a base has a heavy ground cable tied to a heavy copper bus bar across the back of the operating desk which all gear is tied to. it is in common with the AC service ground as well as a nearby outside ground rod. The equipment I used for the grounding is from J Martin Grounding Systems (in QST)

That is how we are operating here with no trouble......have you examined your grounding situation and power hookups?   I hope maybe something here has nudged you towards a resolution....good luck....

--

73 / DX

Charles Johnston

charles@ab7sl.com

AB7SL - Ham Radio Pages
http://www.ab7sl.com

```
From 7304888951457601451
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d7bea2fb8d6e6f28
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,d7bea2fb8d6e6f28
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,d7bea2fb8d6e6f28
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,d7bea2fb8d6e6f28
X-Google-Attributes: gidfa656,public
X-Google-Thread: f7796,d7bea2fb8d6e6f28
X-Google-Attributes: gidf7796,public
X-Google-ArrivalTime: 2001-06-23 12:59:54 PST
Path: archiver1.google.com!newsfeed.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed.cwix.com!skin02.micron.net!
news03.micron.net.POSTED!not-for-mail
From: "test" <swish@123.net>
Newsgroups: rec.radio.amateur,rec.radio.amateur.equipment,rec.ham-radio,alt.ham-
radio,alt.ham-radio.morse
References: <3B305BA5.66459AB6@exinet.co.za>
Subject: Re: Question: CW Filters for Kenwood TS-430S
Lines: 41
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2314.1300
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
Message-ID: <xeWY6.16107$ps6.122028@news03.micron.net>
Date: Sat, 23 Jun 2001 00:00:28 -0600
NNTP-Posting-Host: 198.60.97.83
X-Trace: news03.micron.net 993275933 198.60.97.83 (Fri, 22 Jun 2001 23:58:53 MDT)
NNTP-Posting-Date: Fri, 22 Jun 2001 23:58:53 MDT
Xref: archiver1.google.com rec.radio.amateur:1721
rec.radio.amateur.equipment:14666
```

I use a 430 with the NARROW 270 cycle filter and love it. You dial in your signal, then click on the narrow filter and fine tune it to bring it into focus. Unless someone is right on top of your guy, you can't hear anyone else.

73
K7SU
South Central Idaho

--

Andrew Roos <andrew@exinet.co.za> wrote in message
news:3B305BA5.66459AB6@exinet.co.za...
> Hi All
>
> I recently obtained my amateur license and am about to take the 12 wpm
> morse test. I have obtained a Kenwood TS-430S HF rig and want to install
> one of the optional CW filters to reduce noise and interferance. There
> are two different filters available: the YK-88C 500 Hz filter and the
> YK-88CN 270 Hz filter. I would appreciate any comments which could help
> me to decide which of these I should buy.
>
> For those who do not know the TS-430S, it has a wide/narrow filter
> selector. In CW mode, the "wide" seeting will always select the 2400 Hz
> SSB filter, while the "narrow" mode will select the optional CW filter,
> either 500 or 270 Hz. This means one can tune up in "wide" mode and then
> select "narrow" once on frequency.
>
> Also NB that I live in South Africa, where the bands are probably not as
> crowded as in Europe or the USA.
>
> I would appreciate any comments, particularly those from hams who use a
> TS-430S for CW.
>
> Best Regards
> Andrew ZR1IR
>
>
>

From -5929751230702048161
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d7bea2fb8d6e6f28
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,d7bea2fb8d6e6f28
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,d7bea2fb8d6e6f28
X-Google-Attributes: gidfa656,public
X-Google-Thread: f7796,d7bea2fb8d6e6f28
X-Google-Attributes: gidf7796,public
X-Google-Thread: 10ed5f,d7bea2fb8d6e6f28
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-06-23 12:59:58 PST
Path: archiver1.google.com!newsfeed.google.com!newsfeed.stanford.edu!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed.cwix.com!skin02.micron.net!news03.micron.net.POSTED!not-for-mail
From: "test" <swish@123.net>
Newsgroups: rec.radio.amateur,rec.radio.amateur.equipment,rec.ham-radio,alt.ham-

radio,alt.ham-radio.morse
References: <3B305BA5.66459AB6@exinet.co.za>
Subject: Re: Question: CW Filters for Kenwood TS-430S
Lines: 10
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2314.1300
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
Message-ID: <9gWY6.16108$ps6.122111@news03.micron.net>
Date: Sat, 23 Jun 2001 00:02:13 -0600
NNTP-Posting-Host: 198.60.97.83
X-Trace: news03.micron.net 993276037 198.60.97.83 (Sat, 23 Jun 2001 00:00:37 MDT)
NNTP-Posting-Date: Sat, 23 Jun 2001 00:00:37 MDT
Xref: archiver1.google.com rec.radio.amateur:1722
rec.radio.amateur.equipment:14667

I use a 430S for CW with the NARROW 270 Filter. I wouldn't have it any other way. Unless someone is right on top of the guy you are talking to, you can't hear anyone else!

K7SU
Idaho

From -1471603867141667738
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c014f45c518761e3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,c014f45c518761e3
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,c014f45c518761e3
X-Google-Attributes: gidfa656,public
X-Google-Thread: f55c2,c014f45c518761e3
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fb049,c014f45c518761e3
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,c014f45c518761e3
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,c014f45c518761e3
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 2001-06-23 18:09:03 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!nntp-
relay.ihug.net!ihug.co.nz!news-spur1.maxwell.syr.edu!news.maxwell.syr.edu!
newsfeed1.cidera.com!netnews.com!newsfeed2.earthlink.net!newsfeed.earthlink.net!
newsmaster1.prod.itd.earthlink.net!newsread2.prod.itd.earthlink.net.POSTED!not-
for-mail
From: "Michelle Bronisz" <broniszm@earthlink.net>
Newsgroups: alt.ham-radio,alt.ham-radio.mods,alt.ham-radio.vhf-uhf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc

References: <3b33f3df$0$26293@dingus.crosslink.net> <3b3413eb@news.bnb-lp.com>
Subject: Re: Radio Shack HTX-242 Audio Feedback Problem
Lines: 48
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2462.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2462.0000
Message-ID: <P4bZ6.1741$Bp1.212134@newsread2.prod.itd.earthlink.net>
Date: Sun, 24 Jun 2001 01:09:03 GMT
NNTP-Posting-Host: 4.47.106.40
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread2.prod.itd.earthlink.net 993344943 4.47.106.40 (Sat, 23 Jun 2001 18:09:03 PDT)
NNTP-Posting-Date: Sat, 23 Jun 2001 18:09:03 PDT
Organization: EarthLink Inc. -- http://www.EarthLink.net
X-Received-Date: Sat, 23 Jun 2001 18:06:53 PDT (newsmaster1.prod.itd.earthlink.net)
Xref: archiver1.google.com alt.ham-radio.mods:499 alt.ham-radio.vhf-uhf:4685 rec.radio.amateur:1723 rec.radio.amateur.equipment:14680 rec.radio.amateur.misc:16673

The only way I would think that you would get feed back is if there is another radio on the same frequency nearby. The speaker should not produce any sound while transmitting so you should not get feedback. Let me know how you fix this. I'm curious of how this is happening.

Jon
kg4mrv
"Charles Johnston" <charles@ab7sl.com> wrote in message news:3b3413eb@news.bnb-lp.com...
> Hello Dave,
>   My wife and I use a pair of HTX-212's (one base and one mobile) for the
> past 6+ years with no feedback trouble at all.   I am sorry that info
> doesn't really help you much......the mobile one is has it's power lines run
> directly to the battery.   We took no special precautions for grounding per
> say. It is fed to a Comet B-10M on a Larsen mag mount.
>
>   The HTX-212 run as a base has a heavy ground cable tied to a heavy copper
> bus bar across the back of the operating desk which all gear is tied to. it
> is in common with the AC service ground as well as a nearby outside ground
> rod. The equipment I used for the grounding is from J Martin Grounding
> Systems (in QST)
>
>   That is how we are operating here with no trouble......have you examined
> your grounding situation and power hookups?   I hope maybe something here
> has nudged you towards a resolution....good luck....
>
> --

```
>
> 73  /  DX
>
> Charles Johnston
> charles@ab7sl.com
>
> AB7SL - Ham Radio Pages
> http://www.ab7sl.com
>
>
>
>
>
>
```

```
From -5943282084925977941
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c014f45c518761e3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,c014f45c518761e3
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,c014f45c518761e3
X-Google-Attributes: gidfa656,public
X-Google-Thread: f55c2,c014f45c518761e3
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 10ed5f,c014f45c518761e3
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,c014f45c518761e3
X-Google-Attributes: gidfb049,public
X-Google-Thread: 107ada,c014f45c518761e3
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 2001-06-24 18:37:26 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!sunqbc.risq.qc.ca!wesley.videotron.net!
news3.bellglobal.com!nf2.bellglobal.com!news20.bellglobal.com.POSTED!not-for-mail
From: "Billy and Tracy" <billyandtracy@nf.sympatico.ca>
Newsgroups: alt.ham-radio,alt.ham-radio.mods,alt.ham-radio.vhf-uhf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc
References: <3b33f3df$0$26293@dingus.crosslink.net> <3b3413eb@news.bnb-lp.com>
<P4bZ6.1741$Bp1.212134@newsread2.prod.itd.earthlink.net>
Subject: Re: Radio Shack HTX-242  Audio Feedback Problem
Lines: 67
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Message-ID: <cxwZ6.1814$yy2.671294@news20.bellglobal.com>
Date: Sun, 24 Jun 2001 23:13:41 -0230
NNTP-Posting-Host: 142.163.16.218
X-Complaints-To: abuse@sympatico.ca
```

X-Trace: news20.bellglobal.com 993432776 142.163.16.218 (Sun, 24 Jun 2001 21:32:56
EDT)
NNTP-Posting-Date: Sun, 24 Jun 2001 21:32:56 EDT
Organization: Bell Sympatico
Xref: archiver1.google.com alt.ham-radio.mods:500 alt.ham-radio.vhf-uhf:4708
rec.radio.amateur:1726 rec.radio.amateur.equipment:14704
rec.radio.amateur.misc:16693

I have the same problem with mine. I thought it was feed back from the
mike, but even with the mike unplugged I still have it. I tried it in the
house on a PS and it still happens, I even tried different antennas without
any success. It works fine at half volume or less, I don't get any
feedback. It also works fine with an external speaker. I assume it has
something to do with poor speaker shielding??? If you find out anything
please let me know as well. Thanks.

VO1BIL
Bill Crann

Michelle Bronisz <broniszm@earthlink.net> wrote in message
news:P4bZ6.1741$Bp1.212134@newsread2.prod.itd.earthlink.net...
> The only way I would think that you would get feed back is if there is
> another radio on the same frequency nearby. The speaker should not produce
> any sound while transmitting so you should not get feedback. Let me know
how
> you fix this. I'm curious of how this is happening.
>
> Jon
> kg4mrv
> "Charles Johnston" <charles@ab7sl.com> wrote in message
> news:3b3413eb@news.bnb-lp.com...
> > Hello Dave,
> >   My wife and I use a pair of HTX-212's (one base and one mobile) for
the
> > past 6+ years with no feedback trouble at all.   I am sorry that info
> > doesn't really help you much......the mobile one is has it's power lines
> run
> > directly to the battery.   We took no special precautions for grounding
> per
> > say. It is fed to a Comet B-10M on a Larsen mag mount.
> >
> >   The HTX-212 run as a base has a heavy ground cable tied to a heavy
> copper
> > bus bar across the back of the operating desk which all gear is tied to.
> it
> > is in common with the AC service ground as well as a nearby outside
ground
> > rod. The equipment I used for the grounding is from J Martin Grounding
> > Systems (in QST)
> >
> >   That is how we are operating here with no trouble......have you
> examined
> > your grounding situation and power hookups?   I hope maybe something

here
> > has nudged you towards a resolution....good luck....
> >
> > --
> >
> > 73 / DX
> >
> > Charles Johnston
> > charles@ab7sl.com
> >
> > AB7SL - Ham Radio Pages
> > http://www.ab7sl.com
> >
> >
> >
> >
> >
> >
>
>

From -3671962866365280293
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,c014f45c518761e3
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,c014f45c518761e3
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,c014f45c518761e3
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 10c9e3,c014f45c518761e3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f55c2,c014f45c518761e3
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fb049,c014f45c518761e3
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa656,c014f45c518761e3
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2001-06-24 19:21:18 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!news.tele.dk!206.252.192.28!news.stealth.net!news-east.rr.com!news-west.rr.com!news.rr.com!news-west.rr.com!lsnws01.we.mediaone.net!cyclone-LA3.rr.com!typhoon.we.rr.com.POSTED!not-for-mail
Message-ID: <3B369FE2.5C10DAD7@socal.rr.com>
From: Jeffrey D Angus <jangus@socal.rr.com>
Organization: Grendel's Lair
X-Mailer: Mozilla 4.77 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.mods,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc

```
Subject: Re: Radio Shack HTX-242  Audio Feedback Problem
References: <3b33f3df$0$26293@dingus.crosslink.net> <3b3413eb@news.bnb-lp.com>
<P4bZ6.1741$Bp1.212134@newsread2.prod.itd.earthlink.net>
<cxwZ6.1814$yy2.671294@news20.bellglobal.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 24
Date: Mon, 25 Jun 2001 02:21:16 GMT
NNTP-Posting-Host: 66.27.200.192
X-Complaints-To: abuse@rr.com
X-Trace: typhoon.we.rr.com 993435676 66.27.200.192 (Sun, 24 Jun 2001 19:21:16 PDT)
NNTP-Posting-Date: Sun, 24 Jun 2001 19:21:16 PDT
Xref: archiver1.google.com alt.ham-radio.mods:501 alt.ham-radio.vhf-uhf:4709
rec.radio.amateur:1727 rec.radio.amateur.equipment:14705
rec.radio.amateur.misc:16694
```

Sounds like microphonics. The vibration (audio) from the speaker is getting into the FM modulator (or microphone audio stages.)

Magnetic radiation from the speaker is just a bit too esoteric to be suspect at this point.

Moving to an external speaker pretty well isolates it. It's not a ground loop type problem with the speaker audio or it would continue with even with an external speaker. I'd take an eye loupe and start looking for a cracked adhesive bond somewhere in the microphone audio or modulator path.

Jeff
WA6FWI

Billy and Tracy wrote:

> I have the same problem with mine. I thought it was feed back from the mike, but even with the mike unplugged I still have it. I tried it in the house on a PS and it still happens, I even tried different antennas without any success. It works fine at half volume or less, I don't get any feedback. It also works fine with an external speaker. I assume it has something to do with poor speaker shielding??? If you find out anything please let me know as well.

```
From 9059505704015534486
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,cc31d63f5e23d32e,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,cc31d63f5e23d32e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f7810,cc31d63f5e23d32e,start
X-Google-Attributes: gidf7810,public
X-Google-Thread: 114a57,cc31d63f5e23d32e,start
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2001-06-25 09:41:26 PST
```

```
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!sn-xit-01!supernews.com!
newshub2.rdc1.sfba.home.com!news.home.com!cyclone-sjo1.usenetserver.com!news-out-
sjo.usenetserver.com!e420r-sjo4.usenetserver.com!newsfeed.usenetserver.com!e3500-
atl1.usenetserver.com.POSTED!not-for-mail
From: "Radio-Mart inc." <martyna@bellsouth.net>
Newsgroups: alt.ham-radio.dxing,alt.ham-radio.hf,alt.ham-
radio.marketplace,rec.ham-radio
Subject: FA TELEX HY-GAIN MODEL EXPLORER 14
Lines: 4
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <HLJZ6.34976$9r1.2464941@e3500-atl1.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Mon, 25 Jun 2001 12:35:51 EDT
Organization: BELLSOUTH.net & WebUseNet Corp - "ReInventing the UseNet"
Date: Mon, 25 Jun 2001 11:21:48 -0400
Xref: archiver1.google.com alt.ham-radio.hf:818 alt.ham-radio.marketplace:4697

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1249646352
Nice 4 ele tri-bander






From 2112573793973575798
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,43cb3e128fdaac13,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,43cb3e128fdaac13,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f7810,43cb3e128fdaac13,start
X-Google-Attributes: gidf7810,public
X-Google-Thread: fddbf,43cb3e128fdaac13,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f4306,43cb3e128fdaac13,start
X-Google-Attributes: gidf4306,public
X-Google-Thread: 114a57,43cb3e128fdaac13,start
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2001-06-25 10:03:57 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-03!sn-xit-02!supernews.com!
easynews!e420r-sjo4.usenetserver.com!newsfeed.usenetserver.com!e3500-
atl1.usenetserver.com.POSTED!not-for-mail
From: "Martyn" <martyna@bellsouth.net>
Newsgroups: alt.ham-radio.dxing,alt.ham-radio.hf,alt.ham-
radio.marketplace,alt.ham-radio.packet,rec.ham-radio,rec.ham-radio.packet
Subject: FA AMERITRON RCS-8V REMOTE COAX SWITCH
Lines: 3
Organization: Radio-Mart inc.
```

```
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <TYJZ6.34989$9r1.2466266@e3500-atl1.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Mon, 25 Jun 2001 12:49:55 EDT
Date: Mon, 25 Jun 2001 12:55:26 -0400
Xref: archiver1.google.com alt.ham-radio.hf:819 alt.ham-radio.marketplace:4699
alt.ham-radio.packet:1236

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1249649217
```

```
From 5661601858358256517
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c014f45c518761e3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,c014f45c518761e3
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,c014f45c518761e3
X-Google-Attributes: gid107ada,public
X-Google-Thread: f55c2,c014f45c518761e3
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 10ed5f,c014f45c518761e3
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,c014f45c518761e3
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb049,c014f45c518761e3
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2001-06-26 18:28:21 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!feeder.qis.net!news-xfer.newsread.com!bad-
news.newsread.com!netaxs.com!newsread.com!POSTED.monger.newsread.com!not-for-mail
From: "Ryan KC8PMX" <kc8pmx@tm.net>
Newsgroups: alt.ham-radio,alt.ham-radio.mods,alt.ham-radio.vhf-uhf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc
References: <3b33f3df$0$26293@dingus.crosslink.net> <3b3413eb@news.bnb-lp.com>
<P4bZ6.1741$Bp1.212134@newsread2.prod.itd.earthlink.net>
<cxwZ6.1814$yy2.671294@news20.bellglobal.com> <3B369FE2.5C10DAD7@socal.rr.com>
Subject: Re: Radio Shack HTX-242  Audio Feedback Problem
Lines: 15
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2919.6600
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
Message-ID: <iFa_6.2373$Tt6.931158@monger.newsread.com>
Date: Wed, 27 Jun 2001 01:28:46 GMT
```

NNTP-Posting-Host: 64.7.163.188
X-Complaints-To: Abuse Role <abuse@tm.net>, We Care <abuse@newsread.com>
X-Trace: monger.newsread.com 993605326 64.7.163.188 (Tue, 26 Jun 2001 21:28:46 EDT)
NNTP-Posting-Date: Tue, 26 Jun 2001 21:28:46 EDT
Organization: The Mercury Network (tm.net) @is2.tm.net
Xref: archiver1.google.com alt.ham-radio.mods:504 alt.ham-radio.vhf-uhf:4729 rec.radio.amateur:1735 rec.radio.amateur.equipment:14812 rec.radio.amateur.misc:16745

I have the same problem with my HTX-242 too. When I turn the radio up almost all the way to be able to hear a local repeater that has exceptionally low audio output I get this annoying whine, which sounds like low level feedback (the making's of I mean).

Aside from this problem, I have alot of good luck with the radio, but I do notice that it is voltage sensitive. Alot of the time on HIGH power mode, I must have the engine running, even though the battery in my truck is brand new. (power cables ran direct to battery)

Ryan, KC8PMX

From 2396387488304787666
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,fba6913f6ccaa6fa,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,fba6913f6ccaa6fa,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f7810,fba6913f6ccaa6fa,start
X-Google-Attributes: gidf7810,public
X-Google-Thread: 114a57,fba6913f6ccaa6fa,start
X-Google-Attributes: gid114a57,public
X-Google-ArrivalTime: 2001-06-30 06:47:49 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!easynews!e420r-sjo4.usenetserver.com!newsfeed.usenetserver.com!e3500-atl1.usenetserver.com.POSTED!not-for-mail
From: "Martyn" <martyna@bellsouth.net>
Newsgroups: alt.ham-radio.dxing,alt.ham-radio.hf,alt.ham-radio.marketplace,rec.ham-radio
Subject: FA HY-GAIN MODEL EXPLORER 14
Lines: 3
Organization: Radio-Mart inc.
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <TGk%6.61613$HJ1.457394@e3500-atl1.usenetserver.com>
X-Complaints-To: abuse@usenetserver.com

X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly.
NNTP-Posting-Date: Sat, 30 Jun 2001 09:42:11 EDT
Date: Sat, 30 Jun 2001 09:47:56 -0400
Xref: archiver1.google.com alt.ham-radio.hf:828 alt.ham-radio.marketplace:4779

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1249646352

From 5837166023223097804
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,3c880ac16bfaad1,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,3c880ac16bfaad1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,3c880ac16bfaad1,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,3c880ac16bfaad1,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2001-07-01 07:31:00 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!news.home.com!news1.rdc1.md.home.com.POSTED!not-for-mail
Message-ID: <3B3F33E6.128725@home.com>
From: Ken Coghill III <gear-mountain@home.com>
X-Mailer: Mozilla 4.76 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.radio.amateur.swap,alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap
Subject: WTB ICOM BP-120 Battery Case
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 9
Date: Sun, 01 Jul 2001 14:30:59 GMT
NNTP-Posting-Host: 24.15.189.55
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.md.home.com 993997859 24.15.189.55 (Sun, 01 Jul 2001 07:30:59 PDT)
NNTP-Posting-Date: Sun, 01 Jul 2001 07:30:59 PDT
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com rec.radio.amateur.swap:878 alt.ham-radio.marketplace:4793 rec.ham-radio.swap:707

Want to buy a ICOM BP-120 AA (6) Battery Case. Must be in good condition, no corrosion or fractures in the case. I don't need batteries.

Thank you
Ken - WB4ZOH

Manassas, Va
wb4zoh@arrl.net

From -2057611472389307042
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f7f77acfabc9cfb8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,f7f77acfabc9cfb8,start
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,f7f77acfabc9cfb8,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,f7f77acfabc9cfb8,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,f7f77acfabc9cfb8,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2001-07-03 19:37:15 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!newsfeed.direct.ca!look.ca!howland.erols.net!newshub2.home.com!news.home.com!news1.sttls1.wa.home.com.POSTED!not-for-mail
Message-ID: <3B428152.8EF652DF@mac.com>
From: Grant Cunningham <grantcunningham@mac.com>
Reply-To: grantcunningham@mac.com
Organization: Macintosh: Not Just Another Beige Box
X-Mailer: Mozilla 4.76C-CCK-MCD {C-UDP; EBM-APPLE} (Macintosh; U; PPC)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio,rec.ham-radio,alt.ham-radio.hf,alt.radio.amateur,rec.radio.amateur
Subject: Icom IC-706 vs. Yaesu FT-100: crossband repeat?
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 4
Date: Wed, 04 Jul 2001 02:37:14 GMT
NNTP-Posting-Host: 24.20.64.9
X-Complaints-To: abuse@home.net
X-Trace: news1.sttls1.wa.home.com 994214234 24.20.64.9 (Tue, 03 Jul 2001 19:37:14 PDT)
NNTP-Posting-Date: Tue, 03 Jul 2001 19:37:14 PDT
Xref: archiver1.google.com alt.ham-radio.hf:845 rec.radio.amateur:1755

OK, I've been to both websites and can't find an answer. Can either the IC-706 Mk IIG or the FT-100D do cross band repeat, or be modified to do so?

Thanks for any help you can give!

From -843704566010202997
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,77286a9d31b5d49a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fd5d6,77286a9d31b5d49a,start

```
X-Google-Attributes: gidfd5d6,public
X-Google-Thread: 106d41,77286a9d31b5d49a,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 1009ad,77286a9d31b5d49a,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 10bdb7,77286a9d31b5d49a,start
X-Google-Attributes: gid10bdb7,public
X-Google-Thread: f9153,77286a9d31b5d49a,start
X-Google-Attributes: gidf9153,public
X-Google-Thread: f5341,77286a9d31b5d49a,start
X-Google-Attributes: gidf5341,public
X-Google-Thread: fddbf,77286a9d31b5d49a,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 2001-07-04 14:36:39 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!newshub2.rdc1.sfba.home.com!news.home.com!
news3.rdc1.on.home.com.POSTED!not-for-mail
Reply-To: "Walrus" <wimpysdiner@home.com>
From: "Walrus" <wimpysdiner@home.com>
Newsgroups:
alt.radio.scanner,alt.radio.scanner.uk,aus.radio.cb,aus.radio.scanner,it.hobby.rad
io-cb,rec.ham-radio,rec.ham-radio.packet,rec.radio.cb
Subject: PLEASE HELP A BEGINNER!
Lines: 34
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Message-ID: <G%L07.92518$Mf5.26552508@news3.rdc1.on.home.com>
Date: Wed, 04 Jul 2001 21:36:38 GMT
NNTP-Posting-Host: 24.157.131.138
X-Complaints-To: abuse@home.net
X-Trace: news3.rdc1.on.home.com 994282598 24.157.131.138 (Wed, 04 Jul 2001
14:36:38 PDT)
NNTP-Posting-Date: Wed, 04 Jul 2001 14:36:38 PDT
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
Xref: archiver1.google.com alt.radio.scanner:12724 alt.radio.scanner.uk:8063
aus.radio.cb:1790 aus.radio.scanner:5464 it.hobby.radio-cb:2314 rec.radio.cb:39056
```

Hello everybody and thanks for reading this.

I'm a brand new beginner... never before played with CB or HAM radio and don't know anything about it, but I'm intrigued. I want to get something that will allow me to talk to people... so... I have a couple of questions.

1) What exactly is the difference between CB radio, HAM radio, SW radio, and even walkie-talkies. Is it just the range?

2) How does it work if you have a CB radio. Do you just scan across the channels and listen to see if anybody's out there? And if you hear people, just start talking and they will hear you?

3) Say I have a hand-held 40 channel thing and my girlfriend has one as

well. Does it matter if they're the same make or model or anything? or do we just agree to communicate on the same channel (ex. #18). Also, do we just leave them on all the time, or would there be a "call" button.

4) For those radios which require licences, such as Short Wave... how do you get one? What is the cost, what is the procedure?

5) What is the average range of a hand-held two-way radio (walkie talkie) or hand held CB radio?

I know these are probably really silly questions, but ANY advice would be wonderful! Thanks in advance!

Nick

```
From -9098433423809715846
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,77286a9d31b5d49a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,77286a9d31b5d49a
X-Google-Attributes: gid106d41,public
X-Google-Thread: fd5d6,77286a9d31b5d49a
X-Google-Attributes: gidfd5d6,public
X-Google-Thread: 10bdb7,77286a9d31b5d49a
X-Google-Attributes: gid10bdb7,public
X-Google-Thread: f5341,77286a9d31b5d49a
X-Google-Attributes: gidf5341,public
X-Google-Thread: fddbf,77286a9d31b5d49a
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f9153,77286a9d31b5d49a
X-Google-Attributes: gidf9153,public
X-Google-Thread: 1009ad,77286a9d31b5d49a
X-Google-Attributes: gid1009ad,public
X-Google-ArrivalTime: 2001-07-04 15:15:50 PST
Path: archiver1.google.com!newsfeed.google.com!newsfeed.stanford.edu!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed1.cidera.com!news.starband.net!
twister2.starband.net.POSTED!not-for-mail
Newsgroups:
alt.radio.scanner,alt.radio.scanner.uk,aus.radio.cb,aus.radio.scanner,it.hobby.rad
io-cb,rec.ham-radio,rec.ham-radio.packet,rec.radio.cb
Subject: Re: PLEASE HELP A BEGINNER!
From: Spurious@StarBand.net (Ed G.)
References: <G%L07.92518$Mf5.26552508@news3.rdc1.on.home.com>
Message-ID: <Xns90D49AEB889BFrog207Junocom@148.78.248.75>
User-Agent: Xnews/M3
Followup-To: poster
```

```
Lines: 23
Date: Wed, 04 Jul 2001 21:16:26 GMT
NNTP-Posting-Host: 148.63.19.139
X-Complaints-To: abuse@starband.net
X-Trace: twister2.starband.net 994281386 148.63.19.139 (Wed, 04 Jul 2001 17:16:26 EDT)
NNTP-Posting-Date: Wed, 04 Jul 2001 17:16:26 EDT
Organization: Starband Communications
Xref: archiver1.google.com alt.radio.scanner:12727 alt.radio.scanner.uk:8064 aus.radio.cb:1792 aus.radio.scanner:5467 it.hobby.radio-cb:2315 rec.radio.cb:39065
```

Don't want to take the time to explain the details at the moment. Suffice it to say, go with ham radio if you want to communicate with lots of people over a distance, or even if you want reliable communications down the block, to the next city, or next state. I'd suggest start with a RAdio Shack and see if they can point you to a local ham club. Look in the phone book yellow pages for Amateur Radio dealers. Look on the internet for local activity.

Short wave listening can be fun too, but it's a receive only thing, so if you want to communicate too, go with ham radio.

CB radio is noisy, crowded, less range, and somewhat less polite than ham radio, although it is cheaper.

If all you want to do is talk to your girlfriend a 1/4 mile away, or something like that, buy a pair of "Family Radio" Handy Talkies.

Ed G.   WB6SAT

```
From -1312448569913116337
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,77286a9d31b5d49a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5341,77286a9d31b5d49a
X-Google-Attributes: gidf5341,public
X-Google-Thread: 106d41,77286a9d31b5d49a
X-Google-Attributes: gid106d41,public
X-Google-Thread: 1009ad,77286a9d31b5d49a
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 10bdb7,77286a9d31b5d49a
X-Google-Attributes: gid10bdb7,public
X-Google-Thread: fddbf,77286a9d31b5d49a
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f9153,77286a9d31b5d49a
X-Google-Attributes: gidf9153,public
X-Google-Thread: fd5d6,77286a9d31b5d49a
```

X-Google-Attributes: gidfd5d6,public
X-Google-ArrivalTime: 2001-07-04 19:26:55 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!supernews.com!
newsfeed.direct.ca!look.ca!cyclone.bc.net!news-in.mts.net!nf1.bellglobal.com!
nf2.bellglobal.com!news20.bellglobal.com.POSTED!not-for-mail
From: "ZOOM" <kandrparker@sympatico.ca>
Newsgroups:
alt.radio.scanner,alt.radio.scanner.uk,aus.radio.cb,aus.radio.scanner,it.hobby.radio-cb,rec.ham-radio,rec.ham-radio.packet,rec.radio.cb
References: <G%L07.92518$Mf5.26552508@news3.rdc1.on.home.com>
Subject: Re: PLEASE HELP A BEGINNER!
Lines: 45
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
Message-ID: <NfQ07.15245$mX1.2255237@news20.bellglobal.com>
Date: Wed, 4 Jul 2001 22:26:19 -0400
NNTP-Posting-Host: 64.230.117.9
X-Complaints-To: abuse@sympatico.ca
X-Trace: news20.bellglobal.com 994300013 64.230.117.9 (Wed, 04 Jul 2001 22:26:53 EDT)
NNTP-Posting-Date: Wed, 04 Jul 2001 22:26:53 EDT
Organization: Bell Sympatico
Xref: archiver1.google.com alt.radio.scanner:12739 alt.radio.scanner.uk:8069
aus.radio.cb:1798 aus.radio.scanner:5473 it.hobby.radio-cb:2317 rec.radio.cb:39089

Don't bother with any of it. Got a sound card and mike on your computer you can virtually tak to anyone!

"Walrus" <wimpysdiner@home.com> wrote in message
news:G%L07.92518$Mf5.26552508@news3.rdc1.on.home.com...
> Hello everybody and thanks for reading this.
>
> I'm a brand new beginner... never before played with CB or HAM radio and
> don't know anything about it, but I'm intrigued. I want to get something
> that will allow me to talk to people... so... I have a couple of
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>
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>

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>
> 5) What is the average range of a hand-held two-way radio (walkie talkie)
> or hand held CB radio?
>
> I know these are probably really silly questions, but ANY advice would be
> wonderful! Thanks in advance!
>
> Nick
>
>
>
>
>
>

From 2423815701998366351
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,77286a9d31b5d49a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fd5d6,77286a9d31b5d49a
X-Google-Attributes: gidfd5d6,public
X-Google-Thread: fddbf,77286a9d31b5d49a
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f5341,77286a9d31b5d49a
X-Google-Attributes: gidf5341,public
X-Google-Thread: 106d41,77286a9d31b5d49a
X-Google-Attributes: gid106d41,public
X-Google-Thread: 10bdb7,77286a9d31b5d49a
X-Google-Attributes: gid10bdb7,public
X-Google-Thread: f9153,77286a9d31b5d49a
X-Google-Attributes: gidf9153,public
X-Google-Thread: 1009ad,77286a9d31b5d49a
X-Google-Attributes: gid1009ad,public
X-Google-ArrivalTime: 2001-07-04 23:48:41 PST
Path: archiver1.google.com!newsfeed.google.com!sn-xit-02!sn-xit-03!supernews.com!news-xfer.nuri.net!newsfeed.dacom.co.kr!intgwlon.nntp.telstra.net!news-server.bigpond.net.au!not-for-mail
Message-ID: <3B440DC6.6A6D9FF4@ay.com.au>
From: Alan Yates <alany@ay.com.au>
X-Mailer: Mozilla 4.74 [en] (X11; U; Linux 2.2.17 i686)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.radio.scanner,alt.radio.scanner.uk,aus.radio.cb,aus.radio.scanner,it.hobby.radio-cb,rec.ham-radio,rec.ham-radio.packet,rec.radio.cb
Subject: Re: PLEASE HELP A BEGINNER!
References: <G%L07.92518$Mf5.26552508@news3.rdc1.on.home.com>

```
<NfQ07.15245$mX1.2255237@news20.bellglobal.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 11
Date: Thu, 05 Jul 2001 06:48:39 GMT
NNTP-Posting-Host: 144.132.130.202
X-Complaints-To: news@bigpond.net.au
X-Trace: news-server.bigpond.net.au 994315719 144.132.130.202 (Thu, 05 Jul 2001
16:48:39 EST)
NNTP-Posting-Date: Thu, 05 Jul 2001 16:48:39 EST
Organization: BigPond Internet Services (http://www.bigpond.net.au)
Xref: archiver1.google.com alt.radio.scanner:12745 alt.radio.scanner.uk:8072
aus.radio.cb:1801 aus.radio.scanner:5476 it.hobby.radio-cb:2318 rec.radio.cb:39107

ZOOM wrote:
>
> Don't bother with any of it.  Got a sound card and mike on your computer you
> can virtually tak to anyone!

     Bloody excellent attitude. :-/

--
Alan Yates
http://www.alanyates.com/
The Moon is Full



From 678578467288165801
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f610edd7d4899c9e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10501b,f610edd7d4899c9e
X-Google-Attributes: gid10501b,public
X-Google-Thread: fe99a,f610edd7d4899c9e
X-Google-Attributes: gidfe99a,public
X-Google-Thread: 105d97,f610edd7d4899c9e
X-Google-Attributes: gid105d97,public
X-Google-Thread: 1118be,f610edd7d4899c9e
X-Google-Attributes: gid1118be,public
X-Google-ArrivalTime: 2000-10-06 19:22:39 PST
Path: supernews.google.com!sn-xit-02!supernews.com!newsfeed.berkeley.edu!
ucberkeley!netnews.com!feed1.news.rcn.net!rcn!chnws02.mediaone.net!
chnws05.ne.mediaone.net!24.128.8.70!typhoon.ne.mediaone.net.POSTED!not-for-mail
From: "Peter Nelson" <plnelson@mediaone.net>
Newsgroups: sci.electronics.components,sci.electronics,rec.ham-
radio,alt.electronics,rec.electronics
Subject: which logic family is preferred?
Lines: 31
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2919.6600
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
Message-ID: <mNvD5.34982$pu4.3778033@typhoon.ne.mediaone.net>
```

Date: Sat, 07 Oct 2000 02:22:10 GMT
NNTP-Posting-Host: 24.168.162.79
X-Complaints-To: abuse@mediaone.net
X-Trace: typhoon.ne.mediaone.net 970885330 24.168.162.79 (Fri, 06 Oct 2000 22:22:10 EDT)
NNTP-Posting-Date: Fri, 06 Oct 2000 22:22:10 EDT
Organization: Road Runner
Xref: supernews.google.com sci.electronics.components:1816

I'd like to settle on one family of logic IC's, if possible, for my "parts department" for homebrew projects.

The 4000-series CMOS IC's are great for battery power because they tolerate a wide supply voltage, but they're slow and have a limited range of types and functions. The 74HCT-family is about 4X faster with a much wider range of functions available. But it's 5V only which limits its use with batteries.

I often make battery powered CMOS projects with no power-switch because the Idd of many CMOS IC's in static mode is so low that I can just give it a new 9V alkaline once a year. But the lowest quiescent-current 5V regulator I've seen is 15uA (Philips TDA3664) which will kill a typical 9V alkaline in a few months.

What do other serious electronics and ham-homebrew hobbyists stock for IC logic families in their "parts departments"?

Thanks in advance!

---peter

From -3151927644699109603
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f610edd7d4899c9e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10501b,f610edd7d4899c9e
X-Google-Attributes: gid10501b,public
X-Google-Thread: 105d97,f610edd7d4899c9e
X-Google-Attributes: gid105d97,public
X-Google-Thread: fe99a,f610edd7d4899c9e
X-Google-Attributes: gidfe99a,public
X-Google-Thread: 1118be,f610edd7d4899c9e

X-Google-Attributes: gid1118be,public
From: "Peter Nelson" <plnelson@mediaone.net>
Subject: Re: which logic family is preferred?
Date: 2000/10/07
Message-ID: <hLFD5.35278$pu4.3821924@typhoon.ne.mediaone.net>#1/1
X-Deja-AN: 678644801
References: <mNvD5.34982$pu4.3778033@typhoon.ne.mediaone.net>
<8rm85j$1vv1@Radiant.dsldesigns.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@mediaone.net
X-Trace: typhoon.ne.mediaone.net 970926157 24.168.162.79 (Sat, 07 Oct 2000 09:42:37 EDT)
Organization: Road Runner
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 07 Oct 2000 09:42:37 EDT
Newsgroups: sci.electronics.components,sci.electronics,rec.ham-radio,alt.electronics,rec.electronics

"Kevin White" <kevinwhite@NOSPAMdsldesigns.net> wrote in message
news:8rm85j$1vv1@Radiant.dsldesigns.com...
> 74HCxx parts are rated for 2-6 volts. You only need the HCT parts to
> interface with bipolar TTL.

True, but my point is that I can't just hook it up to a
9V battery.   So I'm trying to trade off the need for
a voltage regulator, which will likely suck up far more
current than the entire rest of the circuit, versus using
CD4000-series IC's which happily tolerate a wide supply voltage
but are slow and come in a more limited range of functions.

What I'm asking is what other serious hobbyists, homebrew
designers, inventors, and others into do-it-yourself electronic
wizardry prefer to stock their supply cabinets with, and why.

---peter

From -2314452130262214490
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df94931057f11c46,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,df94931057f11c46,start
X-Google-Attributes: gid105d97,public
X-Google-Thread: 1118be,df94931057f11c46,start
X-Google-Attributes: gid1118be,public
X-Google-Thread: 10501b,df94931057f11c46,start

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X-Google-Attributes: gid10501b,public
X-Google-Thread: fe99a,df94931057f11c46,start
X-Google-Attributes: gidfe99a,public
From: "Peter Nelson" <plnelson@mediaone.net>
Subject: More active electronics discussion groups??
Date: 2000/10/07
Message-ID: <SXFD5.35282$pu4.3822939@typhoon.ne.mediaone.net>#1/1
X-Deja-AN: 678648648
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@mediaone.net
X-Trace: typhoon.ne.mediaone.net 970926962 24.168.162.79 (Sat, 07 Oct 2000
09:56:02 EDT)
Organization: Road Runner
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 07 Oct 2000 09:56:02 EDT
Newsgroups: sci.electronics.components,sci.electronics,rec.ham-
radio,alt.electronics,rec.electronics
```

Sometimes I post questions to the sci.electronics.components,
sci.electronics,rec.ham-radio,alt.electronics, and rec.electronics
newsgroups. But I've noticed that there is very little traffic
on those newsgroups - a few postings a day - so it's hard
to get a critical mass of ideas and discussions.

Are there any really ACTIVE discussion groups on the
Internet - either newgroups or web-based for people
designing and building electronic circuits and devices?

Thanks in advance!!

---peter

```
From -1287675174257027632
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df94931057f11c46
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fe99a,df94931057f11c46
X-Google-Attributes: gidfe99a,public
X-Google-Thread: 10501b,df94931057f11c46
X-Google-Attributes: gid10501b,public
X-Google-Thread: 1118be,df94931057f11c46
X-Google-Attributes: gid1118be,public
X-Google-Thread: 105d97,df94931057f11c46
```

X-Google-Attributes: gid105d97,public
From: "Kevin Aylward" <kevinanaylward@home.com>
Subject: Re: More active electronics discussion groups??
Date: 2000/10/07
Message-ID: <RaGD5.49047$g6.19284215@news2.rdc2.tx.home.com>#1/1
X-Deja-AN: 678652612
References: <SXFD5.35282$pu4.3822939@typhoon.ne.mediaone.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
X-Complaints-To: abuse@home.net
X-Trace: news2.rdc2.tx.home.com 970927921 24.19.69.48 (Sat, 07 Oct 2000 07:12:01 PDT)
Organization: @Home Network
X-MSMail-Priority: Normal
Reply-To: "Kevin Aylward" <kevinanaylward@home.com>
NNTP-Posting-Date: Sat, 07 Oct 2000 07:12:01 PDT
Newsgroups: sci.electronics.components,sci.electronics,rec.ham-radio,alt.electronics,rec.electronics

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>
> Are there any really ACTIVE discussion groups on the
> Internet - either newgroups or web-based for people
> designing and building electronic circuits and devices?
>
> Thanks in advance!!
>
> ---peter

I think most posings are on sci.electronics.design and sci.electronics.misc

Kevin Aylward , Warden of the Kings Ale
kevin@anasoft.co.uk
http://www.anasoft.co.uk - SuperSpice "Cheap, No Shit!", a currently free
GUI xspice, unlimited component, mixed-mode Windows simulator with Schematic
Capture, waveform display, FFT's and Filter Design.
Opinions of my employer are not necessarily indicative of my own
Oscillators don't, amplifiers do"

All of life, human actions, including emotions, can be logically explained with Aylward's Axioms.

1) There is positive correlation coefficient between a parent's characteristics and its offspring's characteristics.

2) Characteristics are randomly generated and selected by the environment.

Ok, sue me for plagiarism

Someday, these postulates might even become as famous as these other,
somewhat well known, ones:

1) The speed of light is a constant
2) All motion is relative.

From 1357125169637950663
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df94931057f11c46
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10501b,df94931057f11c46
X-Google-Attributes: gid10501b,public
X-Google-Thread: fe99a,df94931057f11c46
X-Google-Attributes: gidfe99a,public
X-Google-Thread: 105d97,df94931057f11c46
X-Google-Attributes: gid105d97,public
X-Google-Thread: 1118be,df94931057f11c46
X-Google-Attributes: gid1118be,public
From: Jim Weir <jim@rst-engr.com>
Subject: Re: More active electronics discussion groups??
Date: 2000/10/07
Message-ID: <pcjutsg24blso55794277speqmo566d13h@4ax.com>#1/1
X-Deja-AN: 678686959
Content-Transfer-Encoding: 7bit
References: <SXFD5.35282$pu4.3822939@typhoon.ne.mediaone.net>
<RaGD5.49047$g6.19284215@news2.rdc2.tx.home.com>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: newsabuse@supernews.com
Organization: RST Engineering
MIME-Version: 1.0
Reply-To: jim@rst-engr.com
Newsgroups: sci.electronics.components,sci.electronics,rec.ham-radio,alt.electronics,rec.electronics

"Kevin Aylward" <kevinanaylward@home.com>
shared these priceless pearls of wisdom:

->I think most posings are on sci.electronics.design and sci.electronics.misc

Boy, isn't THAT the truth of it. {;-)

Jim

From 7023778421398570567

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f610edd7d4899c9e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,f610edd7d4899c9e
X-Google-Attributes: gid105d97,public
X-Google-Thread: 10501b,f610edd7d4899c9e
X-Google-Attributes: gid10501b,public
X-Google-Thread: 1118be,f610edd7d4899c9e
X-Google-Attributes: gid1118be,public
X-Google-Thread: fe99a,f610edd7d4899c9e
X-Google-Attributes: gidfe99a,public
From: "Kevin White" <kevinwhite@NOSPAMdsldesigns.net>
Subject: Re: which logic family is preferred?
Date: 2000/10/07
Message-ID: <8rnka1$2061@Radiant.dsldesigns.com>#1/1
X-Deja-AN: 678695394
References: <mNvD5.34982$pu4.3778033@typhoon.ne.mediaone.net>
<8rm85j$1vv1@Radiant.dsldesigns.com>
<hLFD5.35278$pu4.3821924@typhoon.ne.mediaone.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Organization: DSL Designs, Inc.
X-MSMail-Priority: Normal
Newsgroups: sci.electronics.components,sci.electronics,rec.ham-
radio,alt.electronics,rec.electronics
```

Why use a 9v battery? - they are just about the most expensive sources of energy you can get (albeit convenient).

Use two to four AA cells in a holder (two AAs are about the same size as a 9V). They will operate the logic without a regulator and any other motors, lamps etc far better than a 9 v battery. If you are operating LEDs you are going to be dropping 7 of those 9 volts across a resistor anyway.

The capacity of an alkaline AA cell is about 2 1/2 ampere-hour as opposed to only 1/2 A-H of the 9 volt.

If you do need 5 volt I find that 3 AA cells with a step up convertor (from Maxim, LTC, or even made from discretes) is an efficient way to do it.

I find that the 74HCxx series is the best general purpose logic family.

cheers

kevin white
, any mot
"Peter Nelson" <plnelson@mediaone.net> wrote in message
news:hLFD5.35278$pu4.3821924@typhoon.ne.mediaone.net...
>
> "Kevin White" <kevinwhite@NOSPAMdsldesigns.net> wrote in message
> news:8rm85j$1vv1@Radiant.dsldesigns.com...
> > 74HCxx parts are rated for 2-6 volts. You only need the HCT parts to
> > interface with bipolar TTL.

>
> True, but my point is that I can't just hook it up to a
> 9V battery.   So I'm trying to trade off the need for
> a voltage regulator, which will likely suck up far more
> current than the entire rest of the circuit, versus using
> CD4000-series IC's which happily tolerate a wide supply voltage
> but are slow and come in a more limited range of functions.
>
> What I'm asking is what other serious hobbyists, homebrew
> designers, inventors, and others into do-it-yourself electronic
> wizardry prefer to stock their supply cabinets with, and why.
>
>
> ---peter
>
>
>

From -5560502814059097539
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df94931057f11c46
X-Google-Attributes: gid10c9e3,public
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X-Google-Attributes: gid1118be,public
X-Google-Thread: 10501b,df94931057f11c46
X-Google-Attributes: gid10501b,public
From: Peter Bennett <peterbb@interchange.ubc.ca>
Subject: Re: More active electronics discussion groups??
Date: 2000/10/07
Message-ID: <jhkutsk3rsehtudsc98ke35b35fmlnjkfd@news.supernews.com>#1/1
X-Deja-AN: 678698329
Content-Transfer-Encoding: 7bit
References: <SXFD5.35282$pu4.3822939@typhoon.ne.mediaone.net>
Organization: Home for the Hopelessly Helpful
Content-Type: text/plain; charset=us-ascii
MIME-Version: 1.0
Newsgroups: sci.electronics.components,sci.electronics,rec.ham-radio,alt.electronics,rec.electronics
X-Complaints-To: newsabuse@supernews.com

On Sat, 07 Oct 2000 13:56:02 GMT, "Peter Nelson"
<plnelson@mediaone.net> wrote:

>Sometimes I post questions to the sci.electronics.components,
>sci.electronics,rec.ham-radio,alt.electronics, and rec.electronics

>newsgroups.   But I've noticed that there is very little traffic
>on those newsgroups - a few postings a day - so it's hard
>to get a critical mass of ideas and discussions.

I believe sci.electronics and rec.ham-radio are both bogus newsgroups
now - most news servers won't carry them.

sci.electronics was broken into several sub-groups several years ago:

```
     sci.electronics.basics
               .cad
               .components
               .design
               .equipment
               .repair
```

similarly, rec.ham-radio was replaced by several groups under
rec.radio.amateur.*

--
Peter Bennett, VE7CEI
new newsgroup users info : http://vancouver-webpages.com/nnq
GPS and NMEA info: http://vancouver-webpages.com/peter
Vancouver Power Squadron: http://vancouver-webpages.com/van-ps

---

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X-Google-Thread: 1118be,f610edd7d4899c9e
X-Google-Attributes: gid1118be,public
X-Google-Thread: 105d97,f610edd7d4899c9e
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From: "Peter Nelson" <plnelson@mediaone.net>
Subject: Re: which logic family is preferred?
Date: 2000/10/07
Message-ID: <p3KD5.35322$pu4.3844167@typhoon.ne.mediaone.net>#1/1
X-Deja-AN: 678724160
References: <mNvD5.34982$pu4.3778033@typhoon.ne.mediaone.net>
<8rm85j$1vv1@Radiant.dsldesigns.com>
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<8rnka1$2061@Radiant.dsldesigns.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@mediaone.net
X-Trace: typhoon.ne.mediaone.net 970943829 24.168.162.79 (Sat, 07 Oct 2000
14:37:09 EDT)

Organization: Road Runner
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 07 Oct 2000 14:37:09 EDT
Newsgroups: sci.electronics.components,sci.electronics,rec.ham-radio,alt.electronics,rec.electronics

"Kevin White" <kevinwhite@NOSPAMdsldesigns.net> wrote in message
news:8rnka1$2061@Radiant.dsldesigns.com...
> Why use a 9v battery? - they are just about the most expensive sources of
> energy you can get (albeit convenient).

Two reasons:

Some apps need higher voltage - I often make circuits which use alarms (water alarms, critter alarms for my garden, etc) and there are a lot more alarms that wotk at 6V plus. I like to standardize so I don't have to stock different batteries, holders, etc.

The other thing I've found is that because 9V batteries use clips for their contacts they seem to be more resistant to shaking, moisture, or other factors that degrade the electrical contact.

But I'll consider it. That would be a good argument for the 74HC.

---peter

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X-Google-Attributes: gid1118be,public
X-Google-Thread: fe99a,f610edd7d4899c9e
X-Google-Attributes: gidfe99a,public
From: "jim bell" <jimdbell@home.com>
Subject: Re: which logic family is preferred?
Date: 2000/10/07

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Message-ID: <1oLD5.153337$Ur3.2185264@news1.sttls1.wa.home.com>#1/1
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<8rm85j$1vv1@Radiant.dsldesigns.com>
<hLFD5.35278$pu4.3821924@typhoon.ne.mediaone.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: abuse@home.net
X-Trace: news1.sttls1.wa.home.com 970949245 24.16.209.166 (Sat, 07 Oct 2000
13:07:25 PDT)
Organization: @Home Network
X-MSMail-Priority: Normal
Reply-To: "jim bell" <jimdbell@home.com>
NNTP-Posting-Date: Sat, 07 Oct 2000 13:07:25 PDT
Newsgroups: sci.electronics.components,sci.electronics,rec.ham-
radio,alt.electronics,rec.electronics
```

Peter Nelson <plnelson@mediaone.net> wrote in message
news:hLFD5.35278$pu4.3821924@typhoon.ne.mediaone.net...

>
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> news:8rm85j$1vv1@Radiant.dsldesigns.com...
> > 74HCxx parts are rated for 2-6 volts. You only need the HCT parts to
> > interface with bipolar TTL.
>
> True, but my point is that I can't just hook it up to a
> 9V battery.

But you could use a 3.5 volt lithium battery. (Lithium batteries MUCH smaller than 9-volt batteries are availalble, usually intended for use in cameras.)   Or 2 AA (or AAA) cells. Or 3 AA (AAA)cells. No regulator needed for any of these configurations..

> So I'm trying to trade off the need for
> a voltage regulator, which will likely suck up far more
> current than the entire rest of the circuit,

This may or may not be an issue. It is certainly true that many 78XX-type regulators have spec'd quiescent currents of 2 milliamps or so. However, keep in mind that specifications may have been written years, or even DECADES before, and the part may have been re-designed a few times since then.   I suggest that you actually measure the quiescent current of a modern-manufacture, 78L05-type, TO-92 package part and determine what its current is. Remember that the amp-hour capacity of a typical alkaline 9-volt battery is 500 ma-hours. For a quiescent current of 1 ma, that battery will last 20 days. Is this enough? If not, use the direct-battery solutions above.

versus using

> CD4000-series IC's which happily tolerate a wide supply voltage
> but are slow and come in a more limited range of functions.

Big deal! Motorola makes a series called 78LCXX, available in 2 surface-mount configurations, which does a quiescent current of 1.1 microamps. It uses a MOSFET as a series-pass element, and is also a low-dropout (30 mv) unit.   (Makes me wish they put it in TO-92.)

I found these things with 5 minutes of looking in a couple of databooks. Chances are good that there is some sort of very-low-quiescent regulator now available that does everything you're looking for, that is if you insist on using a 9-volt battery.

From 71448535476931153
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X-Google-Attributes: gid1118be,public
X-Google-Thread: 105d97,df94931057f11c46
X-Google-Attributes: gid105d97,public
From: tusunov@my-deja.com
Subject: Re: More active electronics discussion groups??
Date: 2000/10/07
Message-ID: <8ro4of$ppl$1@nnrp1.deja.com>#1/1
X-Deja-AN: 678763184
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<pcjutsg24blso55794277speqmo566d13h@4ax.com>
X-Http-Proxy: 1.0 x51.deja.com:80 (Squid/1.1.22) for client 212.36.5.70
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Sat Oct 07 21:31:58 2000 GMT
X-MyDeja-Info: XMYDJUIDtusunov
Newsgroups: sci.electronics.components,sci.electronics,rec.ham-radio,alt.electronics
X-Http-User-Agent: Mozilla/4.5 [en] (Win95; I)

In article <pcjutsg24blso55794277speqmo566d13h@4ax.com>,
  jim@rst-engr.com wrote:
> "Kevin Aylward" <kevinanaylward@home.com>
> shared these priceless pearls of wisdom:
>
> ->I think most posings are on sci.electronics.design and sci.electronics.misc
>

also comp.arch.embedded

Tsvetan

PCB prototypes for $26 at http://run.to/pcb

Sent via Deja.com http://www.deja.com/
Before you buy.

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From 5723578445337204672
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f610edd7d4899c9e
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X-Google-Attributes: gid105d97,public
X-Google-Thread: fe99a,f610edd7d4899c9e
X-Google-Attributes: gidfe99a,public
From: "Peter Nelson" <plnelson@mediaone.net>
Subject: Re: which logic family is preferred?
Date: 2000/10/07
Message-ID: <FsMD5.35356$pu4.3856163@typhoon.ne.mediaone.net>#1/1
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<hLFD5.35278$pu4.3821924@typhoon.ne.mediaone.net>
<1oLD5.153337$Ur3.2185264@news1.sttls1.wa.home.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@mediaone.net
X-Trace: typhoon.ne.mediaone.net 970953637 24.168.162.79 (Sat, 07 Oct 2000
17:20:37 EDT)
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NNTP-Posting-Date: Sat, 07 Oct 2000 17:20:37 EDT
Newsgroups: sci.electronics.components,sci.electronics,rec.ham-
radio,alt.electronics,rec.electronics
```

"jim bell" <jimdbell@home.com> wrote in message
news:1oLD5.153337$Ur3.2185264@news1.sttls1.wa.home.com...

> This may or may not be an issue. It is certainly true that many 78XX-type
> regulators have spec'd quiescent currents of 2 milliamps or so. However,
> keep in mind that specifications may have been written years, or even
> DECADES before, and the part may have been re-designed a few times since
> then.   I suggest that you actually measure the quiescent current of a

> modern-manufacture, 78L05-type, TO-92 package part and determine what its current is. Remember that the amp-hour capacity of a typical alkaline 9-volt battery is 500 ma-hours. For a quiescent current of 1 ma, that battery will last 20 days. Is this enough?

In a lot of applications I like to change batteries once a year or once a season.   I didn't realize that 9V batteries had such high current capacity so I checked and you're right - a Duracell 9V is 580 mAH.That puts a new spin on it because even though 78L05's are current hogs there are 5V regulators, e.g., Philips TDA3664 which only draw 15 uA.   That's low enough to use with a 9V battery for a long time!

> If not, use the direct-battery solutions above.

I didn't want to use other battery configurations partly for the same reason I want one logic family - to keep things simple and minimize my inventory of parts, connectors, cases, etc. I also find the clip-connectors that 9V batteries use to be more reliable in the field that other kinds.

Thanks for your advice!

---peter

From -6642345502773226516
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X-Google-Thread: 10c9e3,f610edd7d4899c9e
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X-Google-Attributes: gid105d97,public
X-Google-Thread: 1118be,f610edd7d4899c9e
X-Google-Attributes: gid1118be,public
From: berd_kalamunda@techemail.com (Rolie Baldock)
Subject: Re: which logic family is preferred?
Date: 2000/10/07
Message-ID: <39dfaed8.6284298@news.m.iinet.net.au>#1/1
X-Deja-AN: 678804660
References: <mNvD5.34982$pu4.3778033@typhoon.ne.mediaone.net>
X-Trace: news.iinet.net.au 970964201 25823 203.59.23.243
Newsgroups: sci.electronics.components,sci.electronics,rec.ham-radio,alt.electronics,rec.electronics

```
It's a case of horses for courses. I keep a few of each of the popular
devices in both metal gate CMOS and HCMOS but I find I am increasingly
needing to use HCMOS for projects which include microcontrollers. Wher
speed is not important the improved noise immunity of metal gate CMOS
makes their useage preferable.

On Sat, 07 Oct 2000 02:22:10 GMT, "Peter Nelson"
<plnelson@mediaone.net> wrote:

>
>I'd like to settle on one family of logic IC's, if possible, for
>my "parts department" for homebrew projects.
>
>The 4000-series CMOS IC's are great for battery power
>because they tolerate a wide supply voltage, but they're slow
>and have a limited range of types and functions. The 74HCT-
>family is about 4X faster with a much wider range of functions
>available.  But it's 5V only which limits its use with batteries.
>
>I often make battery powered CMOS projects with no
>power-switch because the Idd of many CMOS IC's in
>static mode is so low that I can just give it a new 9V
>alkaline once a year.     But the lowest quiescent-current
>5V regulator I've seen is 15uA (Philips TDA3664) which
>will kill a typical 9V alkaline in a few months.
>
>What do other serious electronics and ham-homebrew
>hobbyists stock for IC logic families in their "parts
>departments"?
>
>Thanks in advance!
>
>---peter
>
>
>
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>
>
>

--Rolie Baldock.  email:  <berd_kalamunda@'nospam'techemail.com>



From 7863118171602742880
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X-Google-Attributes: gidfe99a,public
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X-Google-Attributes: gid1118be,public
X-Google-Thread: 10501b,f610edd7d4899c9e
X-Google-Attributes: gid10501b,public
From: berd_kalamunda@techemail.com (Rolie Baldock)
Subject: Re: which logic family is preferred?
Date: 2000/10/07
Message-ID: <39dfb046.6649604@news.m.iinet.net.au>#1/1
X-Deja-AN: 678806537
References: <mNvD5.34982$pu4.3778033@typhoon.ne.mediaone.net>
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Newsgroups: sci.electronics.components,sci.electronics,rec.ham-radio,alt.electronics,rec.electronics

Haven't you heard about up convertors and down convertors. 9 volt batteries are as EVERYBODY knows are too expensive. 4 D cells give you 6v for HCMOS a step up voltage convertor from Maxim will give you 12v for metal gate CMOS so whats the problem?

On Sat, 07 Oct 2000 02:22:10 GMT, "Peter Nelson" <plnelson@mediaone.net> wrote:

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>---peter
>
>
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>
>
>

>

--Rolie Baldock. email: <berd_kalamunda@'nospam'techemail.com>

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From -3611995580006127224
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From: superspode@my-deja.com
Subject: Re: which logic family is preferred?
Date: 2000/10/08
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Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Sun Oct 08 14:03:17 2000 GMT
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Newsgroups: sci.electronics.components,sci.electronics,rec.ham-
radio,alt.electronics
X-Http-User-Agent: Mozilla/4.0 (compatible; MSIE 4.01; Mac_PowerPC)
```

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> batteries are as EVERYBODY knows are too expensive. 4 D cells give you
> 6v for HCMOS a step up voltage convertor from Maxim will give you 12v
> for metal gate CMOS so whats the problem?

High parts cost would be a BIG problem when working on circuits that might cost ~$1.00 otherwise. Maxim IC's are great, and you pay for that quality! Then throw in the price of a good inductor and some high value caps .... Not to mention added board space...

SuperSpode

```
12.
12.
12.
12.
12.
12.
1
```

Sent via Deja.com http://www.deja.com/
Before you buy.

From 4330994703123142018
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X-Google-Thread: 1118be,f610edd7d4899c9e
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X-Google-Attributes: gid10501b,public
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From: "jim bell" <jimdbell@home.com>
Subject: Re: which logic family is preferred?
Date: 2000/10/08
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16:13:30 PDT)
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Reply-To: "jim bell" <jimdbell@home.com>
NNTP-Posting-Date: Sun, 08 Oct 2000 16:13:30 PDT
Newsgroups: sci.electronics.components,sci.electronics,rec.ham-
radio,alt.electronics,rec.electronics

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news:FsMD5.35356$pu4.3856163@typhoon.ne.mediaone.net...
>
> "jim bell" <jimdbell@home.com> wrote in message
> news:1oLD5.153337$Ur3.2185264@news1.sttls1.wa.home.com...
>
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However,
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> 9V is 580 mAH.That puts a new spin on it because even though
> 78L05's are current hogs there are 5V regulators, e.g., Philips
> TDA3664 which only draw 15 uA.   That's low enough to use
> with a 9V battery for a long time!

And, of course, the Motorola 78LCXX series I told you about yesterday by
email, with 1.1 microamp (!) quiescent current.

> > If not, use the direct-battery solutions above.
>
> I didn't want to use other battery configurations partly for
> the same reason I want one logic family - to keep things
> simple and minimize my inventory of parts, connectors,
> cases, etc. I also find the clip-connectors that 9V
> batteries use to be more reliable in the field that other
> kinds.

Here's an idea: Find an electronics distributor that can put "tabs" on the
end of a 1/2AA or 2/3AA (or even a full AA) 3.5volt lithium cell. Buy a
couple dozen, or find these surplus.   Then, solder a "9-volt-type"
connector with a pigtail to these tabs (polarity reversed), so that you may
use these favored connectors as sources of direct 3.5 volts to an identical
connector that plugs in to the first one.

```
From 8243637469796430028
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1e61c8a52288b73,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb13e,a1e61c8a52288b73,start
X-Google-Attributes: gidfb13e,public
X-Google-Thread: fc8b1,a1e61c8a52288b73,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f76e2,a1e61c8a52288b73,start
X-Google-Attributes: gidf76e2,public
```

From: "jonie" <jonie@ecn.ab.ca>
Subject: FS: EIMAC 4CX250R, NEW
Date: 2000/10/09
Message-ID: <8rstrp$gdc$1@newsfeed.sas.ab.ca>#1/1
X-Deja-AN: 679392142
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
X-Complaints-To: news@sas.ab.ca
X-Trace: newsfeed.sas.ab.ca 971111097 16812 198.161.206.199 (9 Oct 2000 17:04:57 GMT)
Organization: Software Alberta Society, Edmonton, Canada
X-MSMail-Priority: Normal
NNTP-Posting-Date: 9 Oct 2000 17:04:57 GMT
Newsgroups: man.ham-radio,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.boatanchors

These are new, Canadian Government surplus, in original packaging. The supplier's name, Richardson Electronics is on the Government label. These tubes were made in the early 90's as indicated by the date codes.

I'm asking $85US each or $175US pair, I have a total of 6 each. I will pay the shipping in continental NA.

Email replies to; jonie@ecn.ab.ca

From -2890507506031713012
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,d0a4100876c6f33b,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,d0a4100876c6f33b,start
X-Google-Attributes: gid10c9e3,public
From: "Scott MacLean" <scottspamNO@SPAMnerosoft.com>
Subject: Please help identify this connector
Date: 2000/10/11
Message-ID: <CE4F5.24650$9o3.543670@news2.rdc1.on.home.com>#1/1
X-Deja-AN: 680309107
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400

X-Complaints-To: abuse@home.net
X-Trace: news2.rdc1.on.home.com 971298466 24.66.26.122 (Wed, 11 Oct 2000 14:07:46 PDT)
Organization: Excite@Home - The Leader in Broadband
X-MSMail-Priority: Normal
NNTP-Posting-Date: Wed, 11 Oct 2000 14:07:46 PDT
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio

I'm desparately trying to identify what type of connector this is. Can anyone help?

http://www.nerosoft.com/test/connector1.jpg

http://www.nerosoft.com/test/connector2.jpg

From -1716953981487762812
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4f6b1766388643b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fbf4d,e4f6b1766388643b,start
X-Google-Attributes: gidfbf4d,public
X-Google-Thread: fb049,e4f6b1766388643b,start
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2000-10-15 21:15:37 PST
Path: supernews.google.com!sn-xit-02!sn-xit-01!supernews.com!novia!cyclone2.usenetserver.com!news-out.usenetserver.com!cyclone1.usenetserver.com!news-west.usenetserver.com.POSTED!not-for-mail
From: radioman@localnet.com (Raymond A. Miller)
Newsgroups: alt.ham-radio.vhf-uhf,alt.radio-shack,rec.ham-radio
Subject: Quality of Radio Shack small HT 2mtr/70cm radio
Organization: Retired
Reply-To: radioman@localnet.com
X-Newsreader: Forte Free Agent 1.0.82
Lines: 10
Message-ID: <eivG5.43508$Km6.2471057@news-west.usenetserver.com>
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
X-Complaints-To: support@usenetserver.com
NNTP-Posting-Date: Mon, 16 Oct 2000 00:16:10 EDT
Date: Mon, 16 Oct 2000 04:15:50 GMT
Xref: supernews.google.com alt.ham-radio.vhf-uhf:1213

Greetings and thanks for reading,
Looking at the new r.s. catalog I noticed on page#85 there is a small dual bander (their #19-1106). It seems to have the options that I would require. I was wondering if anyone out there has tried one out and has any comments good, bad or neutral that might help myself and others determine if the radio is right for them and their area. Thanks

and have a nice day.
Regards
Ray Miller N2NJK

From -6797730825706167976
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4f6b1766388643b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,e4f6b1766388643b
X-Google-Attributes: gidfb049,public
X-Google-Thread: fbf4d,e4f6b1766388643b
X-Google-Attributes: gidfbf4d,public
From: nole_fan@my-deja.com
Subject: Re: Quality of Radio Shack small HT 2mtr/70cm radio
Date: 2000/10/16
Message-ID: <8serua$8np$1@nnrp1.deja.com>#1/1
X-Deja-AN: 682026908
References: <eivG5.43508$Km6.2471057@news-west.usenetserver.com>
X-Http-Proxy: 1.0 x52.deja.com:80 (Squid/1.1.22) for client 207.61.27.149
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Mon Oct 16 12:22:40 2000 GMT
X-MyDeja-Info: XMYDJUIDnole_fan
Newsgroups: alt.ham-radio.vhf-uhf,alt.radio-shack,rec.ham-radio
X-Http-User-Agent: Mozilla/4.0 (compatible; MSIE 5.01; Windows 98)

In article <eivG5.43508$Km6.2471057@news-west.usenetserver.com>,
radioman@localnet.com wrote:
> Greetings and thanks for reading,
> Looking at the new r.s. catalog I noticed on page#85 there is a small
> dual bander (their #19-1106). It seems to have the options that I
> would require. I was wondering if anyone out there has tried one out
> and has any comments good, bad or neutral that might help myself and
> others determine if the radio is right for them and their area. Thanks
> and have a nice day.
> Regards
> Ray Miller N2NJK
>
>

I don't have one of these rigs, but I have seen them in the stores and they are a nice looking radio. I like the display, which I find very easy to read. The only thing that would keep me from buying one of these rigs is the fact that it does not have extended recieve. I have been spoiled by my htx-200 with the extra listening ability and I would have a hard time going back to no extended recieve. However on the plus side, the radio having 2 meters and 440 only, should make the radio pretty intermod proof if you live in a metro area. By the way , if you get the October 2000 issue of QST, there is a review on the radio there. It got good grades in the review.
Take care and 73,

Greg - KC8KUG

Sent via Deja.com http://www.deja.com/
Before you buy.

From 6268274795288110189
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,809ae7cccbb58f26,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1164ef,809ae7cccbb58f26,start
X-Google-Attributes: gid1164ef,public
X-Google-Thread: f64c6,809ae7cccbb58f26,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: f8f7c,809ae7cccbb58f26,start
X-Google-Attributes: gidf8f7c,public
X-Google-Thread: f5341,809ae7cccbb58f26,start
X-Google-Attributes: gidf5341,public
From: "Eddie Collins" <w5wbb@hotmail.com>
Subject: My love
Date: 2000/10/22
Message-ID: <8svikj$b1e@news-central.tiac.net>#1/1
X-Deja-AN: 684549318
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Organization: The Internet Access Company, Inc.
X-MSMail-Priority: Normal
Newsgroups: alt.ham-radio.amtor,alt.radio.scanner.uk,rec.ham-radio,tw.bbs.rec.radio.amateur,uk.radio.amateur

Please check out these sites

http://members.nbci.com/w5wbb/evelyn.htm

http://www.angelfire.com/ok4/evelyn/

--
My Home Page http://members.nbci.com/w5wbb/

From 3368073336888399613
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,bedb5fbfd624fe3a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11480d,bedb5fbfd624fe3a,start
X-Google-Attributes: gid11480d,public

X-Google-Thread: fa656,bedb5fbfd624fe3a,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f64c6,bedb5fbfd624fe3a,start
X-Google-Attributes: gidf64c6,public
From: "Bjorn Mohr" <bm@broadcast.se>
Subject: Get EU-177 in the log this weekend!
Date: 2000/10/25
Message-ID: <UuHJ5.3306$DN.244565@nntp1.chello.se>#1/1
X-Deja-AN: 685817578
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@chello.se
X-Trace: nntp1.chello.se 972506164 193.150.246.250 (Wed, 25 Oct 2000 22:36:04 MET DST)
Organization: chello broadband
X-MSMail-Priority: Normal
NNTP-Posting-Date: Wed, 25 Oct 2000 22:36:04 MET DST
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,uk.radio.amateur

Need EU177? Get Asp�ja Island in the log this weekend. Shadow DX'ers will
activate Asp�ja Island in SM5 October 27-29, most sw bands will be used
including 160 meter. Live information from the team at http://javaradio.com.
QSL via SM0UXX. See you in the pile!

73 de Bjorn (SM0MDG)

From -1625556974627974548
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df94931057f11c46
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fe99a,df94931057f11c46
X-Google-Attributes: gidfe99a,public
X-Google-Thread: 105d97,df94931057f11c46
X-Google-Attributes: gid105d97,public
X-Google-Thread: 10501b,df94931057f11c46
X-Google-Attributes: gid10501b,public
X-Google-Thread: 1118be,df94931057f11c46
X-Google-Attributes: gid1118be,public
X-Google-ArrivalTime: 2000-10-27 02:17:43 PST
Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!cyclone-sjo1.usenetserver.com!news-out.usenetserver.com!newsfeed.skycache.com!Cidera!cyclone-0.nyroc.rr.com!typhoon.nyroc.rr.com.POSTED!not-for-mail
Message-ID: <39F947FD.67185A7E@nycap.rr.com>
From: cullen <ckosunic@nycap.rr.com>
Reply-To: ckosunic@nycap.rr.com
Organization: <a
 href="http://www.websponsors.com/cgi-bin/referral.cgi?username=delinque">Websponsors

```
X-Sender: "cullen" <@smtp-server>
X-Mailer: Mozilla 4.7 [en]C-NECCK  (Win98; I)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: sci.electronics.components,sci.electronics,rec.ham-
radio,alt.electronics,rec.electronics
Subject: Re: More active electronics discussion groups??
References: <SXFD5.35282$pu4.3822939@typhoon.ne.mediaone.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 17
Date: Fri, 27 Oct 2000 09:13:51 GMT
NNTP-Posting-Host: 24.161.18.44
X-Complaints-To: abuse@nycap.rr.com
X-Trace: typhoon.nyroc.rr.com 972638031 24.161.18.44 (Fri, 27 Oct 2000 05:13:51
EDT)
NNTP-Posting-Date: Fri, 27 Oct 2000 05:13:51 EDT
Xref: supernews.google.com sci.electronics.components:2371

alt.electronics and sci.electronics.misc seem to be pretty large.

Peter Nelson wrote:
>
> Sometimes I post questions to the sci.electronics.components,
> sci.electronics,rec.ham-radio,alt.electronics, and rec.electronics
> newsgroups.    But I've noticed that there is very little traffic
> on those newsgroups - a few postings a day -  so it's hard
> to get a critical mass of ideas and discussions.
>
> Are there any really ACTIVE discussion groups on the
> Internet - either newgroups or web-based for people
> designing and building electronic circuits and devices?
>
> Thanks in advance!!
>
> ---peter


From -1068849974461789505
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f140a0e4a23724c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fd5d6,7f140a0e4a23724c,start
X-Google-Attributes: gidfd5d6,public
X-Google-Thread: fe150,7f140a0e4a23724c,start
X-Google-Attributes: gidfe150,public
X-Google-Thread: 11117f,7f140a0e4a23724c,start
X-Google-Attributes: gid11117f,public
X-Google-Thread: fb6c1,7f140a0e4a23724c,start
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: 1035e7,7f140a0e4a23724c,start
X-Google-Attributes: gid1035e7,public
X-Google-ArrivalTime: 2000-10-28 03:37:18 PST
```

Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!news.tele.dk!
193.190.198.17!newsfeeds.belnet.be!news.belnet.be!news-x.support.nl!
newshub1.nl.home.com!news.nl.home.com!zwoll1.home.nl.POSTED!not-for-mail
From: "Andr�" <vermonden@home.nl>
Newsgroups: aus.radio.scanner,free.uk.amateur-
radio,nl.media.radio,nl.radio.amateur,nl.radio.scanners,rec.ham-radio
Subject: XU7ABF on 6 Metre 28-10-2000
Lines: 8
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <w%xK5.6936$p6.77442@zwoll1.home.nl>
Date: Sat, 28 Oct 2000 10:37:16 GMT
NNTP-Posting-Host: 212.120.68.216
X-Complaints-To: abuse@home.nl
X-Trace: zwoll1.home.nl 972729436 212.120.68.216 (Sat, 28 Oct 2000 12:37:16 MET
DST)
NNTP-Posting-Date: Sat, 28 Oct 2000 12:37:16 MET DST
Organization: @Home Network
Xref: supernews.google.com aus.radio.scanner:1278 free.uk.amateur-radio:40
nl.media.radio:1997 nl.radio.amateur:2012 nl.radio.scanners:3365

Today XU7ABF on 6 metre !!
Very strong 59+++
Listen to the RealAudioFiles on
http://www.qsl.net/pa5wx

73 Andre PA5WX

From 6737667150899988057
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e64384d5ed294711,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107de1,e64384d5ed294711,start
X-Google-Attributes: gid107de1,public
X-Google-Thread: 115af6,e64384d5ed294711,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: f64c6,e64384d5ed294711,start
X-Google-Attributes: gidf64c6,public
X-Google-ArrivalTime: 2000-10-29 14:12:39 PST
From: "Jim Hawthorne" <PDRM82@freezone.co.uk>
Newsgroups: rec.ham-radio,rec.radio,uk.radio,uk.radio.amateur
Subject: TESLA radio Tx/Rx?
Date: Sun, 29 Oct 2000 22:10:14 -0000
Lines: 17
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200

```
X-Original-NNTP-Posting-Host: ppp-3-83.cvx1.telinco.net
Message-ID: <39fca0d3$1@news.telinco.net>
X-Original-Trace: 29 Oct 2000 22:12:35 GMT, ppp-3-83.cvx1.telinco.net
NNTP-Posting-Host: news2.cluster1.telinco.net
X-Original-NNTP-Posting-Host: news2.cluster1.telinco.net
X-Trace: 30 Oct 2000 23:12:18 GMT, news2.cluster1.telinco.net
X-Comments: This message was posted or routed through Intensive Networks Ltd.
Please ensure any complaints are directed at the source of the message not a
feeder server.
X-Comments2: IMPORTANT: Intensive Networks Ltd. does not condone, nor support,
spam or any illegal or copyrighted postings.
X-Comments3: IMPORTANT: Under NO circumstances will postings containing illegal or
copyrighted material through this service be tolerated!!
X-Report: Please report illegal or inappropriate use to <abuse@intensive.net> You
may also use our online abuse reporting from: http://www3.intensive.net/abuse.htm
X-Original-NNTP-Posting-Host: lon-news.intensive.net
Organization: Intensive Networks Ltd http://www.intensive.net/
Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!news.tele.dk!
193.190.198.17!newsfeeds.belnet.be!news.belnet.be!btnet-peer1!btnet-peer0!btnet!
news.netkonect.net!news.intensive.net!news.telinco.net!ppp-3-83.cvx1.telinco.net
Xref: supernews.google.com uk.radio.amateur:9892
```

Dear Readers,

Please could someone enlighten me, as to whether such a non-Hertzian radio Tx/Rx system was actually invented & could it be used to communicate through the Earths core, rather than using the atmosphere to communicate?

Someone has told me that the American embryotic forces of NATO used it in the late Forties & early 50s to communicate from Washington [the Pentagon] to SHAPE, which I think was then outside Paris, at that time.

If it is true, then are there any Tx/Rx sets around for it?

Yours,

Jim Hawthorne.

```
From 158616306078344238
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f64c6,e64384d5ed294711
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 10c9e3,e64384d5ed294711
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115af6,e64384d5ed294711
X-Google-Attributes: gid115af6,public
X-Google-Thread: 107de1,e64384d5ed294711
X-Google-Attributes: gid107de1,public
X-Google-ArrivalTime: 2000-10-29 16:53:07 PST
Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!news.tele.dk!
```

```
212.74.64.35!colt.net!newspeer.clara.net!news.clara.net!btnet-peer!btnet-peer0!
btnet!mendelevium.btinternet.com!not-for-mail
From: "John Clarke" <clarke.mail@nospambtinternet.com>
Newsgroups: rec.ham-radio,rec.radio,uk.radio,uk.radio.amateur
Subject: Re: TESLA radio Tx/Rx?
Date: Mon, 30 Oct 2000 00:50:40 -0000
Organization: BT Internet
Lines: 25
Message-ID: <8tigo5$6fj$2@uranium.btinternet.com>
References: <39fca0d3$1@news.telinco.net>
Reply-To: "John Clarke" <clarke.mail@btinternet.com>
NNTP-Posting-Host: host62-7-6-157.btinternet.com
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Xref: supernews.google.com uk.radio.amateur:9903


"Jim Hawthorne" <PDRM82@freezone.co.uk> wrote in message
news:39fca0d3$1@news.telinco.net...
> Dear Readers,
>
> Please could someone enlighten me, as to whether such a non-Hertzian radio
> Tx/Rx system was actually invented & could it be used to communicate
through
> the Earths core, rather than using the atmosphere to communicate?
>
> Someone has told me that the American embryotic forces of NATO used it in
> the late Forties & early 50s to communicate from Washington [the Pentagon]
> to SHAPE, which I think was then outside Paris, at that time.
>
> If it is true, then are there any Tx/Rx sets around for it?
>
> Yours,
>
> Jim Hawthorne.
>
Who's been reading Fortean Times, then?
--
John.




From -986387253262276496
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e64384d5ed294711
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,e64384d5ed294711
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 115af6,e64384d5ed294711
X-Google-Attributes: gid115af6,public
```

X-Google-Thread: 107de1,e64384d5ed294711
X-Google-Attributes: gid107de1,public
X-Google-ArrivalTime: 2000-10-29 17:05:07 PST
Path: supernews.google.com!sn-xit-02!supernews.com!sienna.impulse.net!63.208.208.143.MISMATCH!feed2.onemain.com!feed1.onemain.com!newsfeeds.belnet.be!news.belnet.be!btnet-peer1!btnet-peer0!btnet!mendelevium.btinternet.com!not-for-mail
From: "Reg Edwards" <g4fgq.regp@btinternet.com>
Newsgroups: rec.ham-radio,rec.radio,uk.radio,uk.radio.amateur
Subject: Re: TESLA radio Tx/Rx?
Date: Mon, 30 Oct 2000 01:07:33 -0000
Organization: Private
Lines: 28
Message-ID: <8tihff$qsa$1@neptunium.btinternet.com>
References: <39fca0d3$1@news.telinco.net>
Reply-To: "Reg Edwards" <g4fgq.regp@btinternet.com>
NNTP-Posting-Host: host62-6-75-8.btinternet.com
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Xref: supernews.google.com uk.radio.amateur:9904

From: Jim Hawthorne -
>
> Please could someone enlighten me, as to whether such a
non-Hertzian radio
> Tx/Rx system was actually invented & could it be used to
communicate through
> the Earths core, rather than using the atmosphere to
communicate?
>
> Someone has told me that the American embryotic forces of
NATO used it in
> the late Forties & early 50s to communicate from
Washington [the Pentagon]
> to SHAPE, which I think was then outside Paris, at that
time.
>
Somebody told me the USA banned export of medical
stethoscopes to the USSR because they could be used to
detect the non-Hertzian waves coming through the Earth's
core.

But then, they also banned the export of hydrogen bomb
triggers to Iraq when they were readily available in Tandy's
shops in blister cards packs.

Reg.

```
From -8506534325900682357
X-Google-Language: DUTCH,ASCII
X-Google-Thread: 10c9e3,7f140a0e4a23724c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fd5d6,7f140a0e4a23724c
X-Google-Attributes: gidfd5d6,public
X-Google-Thread: 11117f,7f140a0e4a23724c
X-Google-Attributes: gid11117f,public
X-Google-Thread: fe150,7f140a0e4a23724c
X-Google-Attributes: gidfe150,public
X-Google-Thread: 1035e7,7f140a0e4a23724c
X-Google-Attributes: gid1035e7,public
X-Google-Thread: fb6c1,7f140a0e4a23724c
X-Google-Attributes: gidfb6c1,public
X-Google-ArrivalTime: 2000-10-30 11:25:10 PST
Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!hermes.visi.com!news-
out.visi.com!news.tele.dk!134.222.94.5!npeer.kpnqwest.net!news2.kpn.net!
news.kpn.net!news.wxs.nl!not-for-mail
From: "Ruud" <ruud.brand@wxs.nl>
Newsgroups: aus.radio.scanner,free.uk.amateur-
radio,nl.media.radio,nl.radio.amateur,nl.radio.scanners,rec.ham-radio
Subject: Re: XU7ABF on 6 Metre 28-10-2000
Date: Mon, 30 Oct 2000 20:24:44 +0100
Organization: Planet Internet
Lines: 16
Message-ID: <8tkhr3$5c9o$1@reader4.wxs.nl>
References: <w%xK5.6936$p6.77442@zwoll1.home.nl>
NNTP-Posting-Host: ipc379c14c.dial.wxs.nl
X-Trace: reader4.wxs.nl 972933795 176440 195.121.193.76 (30 Oct 2000 19:23:15 GMT)
X-Complaints-To: abuse@wxs.nl
NNTP-Posting-Date: 30 Oct 2000 19:23:15 GMT
X-Newsreader: Microsoft Outlook Express 4.72.2106.4
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Xref: supernews.google.com aus.radio.scanner:1304 free.uk.amateur-radio:42
nl.media.radio:2053 nl.radio.amateur:2067 nl.radio.scanners:3517
```

Leuk. alleen hoort dit hier niet thuis.
Gooi maar op die zendamateur paginas en news groepen.
Aub geen zendamateur shit.
Ruud

Andr� wrote in message ...

```
>Today XU7ABF on 6 metre !!
>Very strong 59+++
>Listen to the RealAudioFiles on
>http://www.qsl.net/pa5wx
>
>73 Andre PA5WX
>
>
```

```
From 4207212918242518814
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e64384d5ed294711
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,e64384d5ed294711
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 115af6,e64384d5ed294711
X-Google-Attributes: gid115af6,public
X-Google-Thread: 107de1,e64384d5ed294711
X-Google-Attributes: gid107de1,public
X-Google-ArrivalTime: 2000-10-30 12:44:18 PST
Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!xfer13.netnews.com!
netnews.com!isdnet!grolier!btnet-peer0!btnet!mendelevium.btinternet.com!not-for-
mail
From: "Mike" <Mick.Fooks@btinternet.com>
Newsgroups: rec.ham-radio,rec.radio,uk.radio,uk.radio.amateur
Subject: Re: TESLA radio Tx/Rx?
Date: Mon, 30 Oct 2000 20:36:55 -0000
Organization: BT Internet
Lines: 18
Message-ID: <8tkmdh$hll$1@neptunium.btinternet.com>
References: <39fca0d3$1@news.telinco.net> <8tihff$qsa$1@neptunium.btinternet.com>
NNTP-Posting-Host: host213-1-160-185.btinternet.com
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2314.1300
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
Xref: supernews.google.com uk.radio.amateur:9966

----snip------
>
> But then, they also banned the export of hydrogen bomb
> triggers to Iraq when they were readily available in Tandy's
> shops in blister cards packs.
> ----
> Reg.
>
My my... there are some gullible people about, since when did Tandy's
sell thyratrons in blister packs. In the TV programs at the time they did
show capacitors as a smoke screen, but then how many of the viewing
public can tell the difference between a capacitor and a thyratron. Even
more, how many people know what a thyratron is and finally,  thyratrons are
 not two a penny.

Mike




From 3617215959177464683
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e64384d5ed294711
```

```
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,e64384d5ed294711
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 115af6,e64384d5ed294711
X-Google-Attributes: gid115af6,public
X-Google-Thread: 107de1,e64384d5ed294711
X-Google-Attributes: gid107de1,public
X-Google-ArrivalTime: 2000-10-30 15:22:07 PST
Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!cyclone-sf.pbi.net!
63.208.208.143!feed2.onemain.com!feed1.onemain.com!newsfeed.icl.net!
newspeer.clara.net!news.clara.net!dispose.news.demon.net!demon!news.demon.co.uk!
demon!mail2news.demon.co.uk!not-for-mail
From: geoff@nospam.demon.co.uk (Geoff Blake)
Newsgroups: rec.ham-radio,rec.radio,uk.radio,uk.radio.amateur
Subject: Re: TESLA radio Tx/Rx?
Followup-To: rec.ham-radio,rec.radio,uk.radio,uk.radio.amateur
Date: Mon, 30 Oct 2000 22:36:31 GMT
Organization: Geoff at home
Message-ID: <G39LGx.Hu@nospam.demon.co.uk>
References: <39fca0d3$1@news.telinco.net> <8tihff$qsa$1@neptunium.btinternet.com>
<8tkmdh$hll$1@neptunium.btinternet.com>
Reply-To: geoff@nospam.demon.co.uk
X-Trace: mail2news.demon.co.uk 972948061 mail2news:17737 mail2news
mail2news.demon.co.uk
X-Complaints-To: abuse@demon.net
X-Mail2News-Path: news.demon.net!anchor-post-31.mail.demon.net!
palaemon.demon.co.uk
X-Newsreader: TIN [version 1.2 PL2]
Lines: 29
Xref: supernews.google.com uk.radio.amateur:9984
```

Mike (Mick.Fooks@btinternet.com) wrote:
: ----snip------
: >
: > But then, they also banned the export of hydrogen bomb
: > triggers to Iraq when they were readily available in Tandy's
: > shops in blister cards packs.
: > ----
: > Reg.
: >
: My my... there are some gullible people about, since when did Tandy's
: sell thyratrons in blister packs. In the TV programs at the time they did
: show capacitors as a smoke screen, but then how many of the viewing
: public can tell the difference between a capacitor and a thyratron. Even
: more, how many people know what a thyratron is and finally, thyratrons are
: not two a penny.

No, but I remember the T41 and 6K25 at about 4/6d each :-)

Geoff

```
--
    Geoff  Blake        geoff (at) palaemon . co . uk         linux 2.0.36
    Chelmsford           g8gnz @ g8gnz . ampr . org           sparc - i586
    Please, only use the  .ampr.org address if you know what you are doing
      Intel create faster processors - Microsoft create slower processes
```

From 4751110969047280603
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e64384d5ed294711
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115af6,e64384d5ed294711
X-Google-Attributes: gid115af6,public
X-Google-Thread: 107de1,e64384d5ed294711
X-Google-Attributes: gid107de1,public
X-Google-Thread: f64c6,e64384d5ed294711
X-Google-Attributes: gidf64c6,public
X-Google-ArrivalTime: 2000-10-30 20:40:29 PST
From: "Jim Hawthorne" <PDRM82@freezone.co.uk>
Newsgroups: rec.ham-radio,rec.radio,uk.radio,uk.radio.amateur
References: <39fca0d3$1@news.telinco.net> <8tihff$qsa$1@neptunium.btinternet.com> <8tkmdh$hll$1@neptunium.btinternet.com> <G39LGx.Hu@nospam.demon.co.uk>
Subject: Re: TESLA radio Tx/Rx?
Date: Tue, 31 Oct 2000 04:37:46 -0000
Lines: 39
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Original-NNTP-Posting-Host: ppp-1-1.cvx1.telinco.net
Message-ID: <39fe4d29$1@news.telinco.net>
X-Original-Trace: 31 Oct 2000 04:40:09 GMT, ppp-1-1.cvx1.telinco.net
NNTP-Posting-Host: news2.cluster1.telinco.net
X-Original-NNTP-Posting-Host: news2.cluster1.telinco.net
X-Trace: 1 Nov 2000 05:39:50 GMT, news2.cluster1.telinco.net
X-Comments: This message was posted or routed through Intensive Networks Ltd. Please ensure any complaints are directed at the source of the message not a feeder server.
X-Comments2: IMPORTANT: Intensive Networks Ltd. does not condone, nor support, spam or any illegal or copyrighted postings.
X-Comments3: IMPORTANT: Under NO circumstances will postings containing illegal or copyrighted material through this service be tolerated!!
X-Report: Please report illegal or inappropriate use to <abuse@intensive.net> You may also use our online abuse reporting from: http://www3.intensive.net/abuse.htm
X-Original-NNTP-Posting-Host: lon-news.intensive.net
Organization: Intensive Networks Ltd http://www.intensive.net/
Path: supernews.google.com!sn-xit-02!supernews.com!bignews.mediaways.net!blackbush.xlink.net!newsfeed01.sul.t-online.de!newsfeed00.sul.t-online.de!t-online.de!grolier!btnet-peer0!btnet!news.netkonect.net!news.intensive.net!news.telinco.net!ppp-1-1.cvx1.telinco.net
Xref: supernews.google.com uk.radio.amateur:9988

```
perhaps we could really get back on topic, about this type of radio, please
inform me if it is feasible or not?

Jim.
Geoff Blake <geoff@nospam.demon.co.uk> wrote in message
news:G39LGx.Hu@nospam.demon.co.uk...
> Mike (Mick.Fooks@btinternet.com) wrote:
> : ----snip------
> : >
> : > But then, they also banned the export of hydrogen bomb
> : > triggers to Iraq when they were readily available in Tandy's
> : > shops in blister cards packs.
> : > ----
> : > Reg.
> : >
> : My my... there are some gullible people about, since when did Tandy's
> : sell thyratrons in blister packs. In the TV programs at the time they
did
> : show capacitors as a smoke screen, but then how many of the viewing
> : public can tell the difference between a capacitor and a thyratron. Even
> : more, how many people know what a thyratron is and finally,  thyratrons
are
> :  not two a penny.
>
> No, but I remember the T41 and 6K25 at about 4/6d each :-)
>
>
>
> Geoff
>
>
> --
>     Geoff  Blake        geoff (at) palaemon . co . uk         linux 2.0.36
>     Chelmsford           g8gnz @ g8gnz . ampr . org           sparc - i586
>     Please, only use the  .ampr.org address if you know what you are doing
>       Intel create faster processors - Microsoft create slower processes
>




From -6581519793045482540
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e64384d5ed294711
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115af6,e64384d5ed294711
X-Google-Attributes: gid115af6,public
X-Google-Thread: 107de1,e64384d5ed294711
X-Google-Attributes: gid107de1,public
X-Google-Thread: f64c6,e64384d5ed294711
X-Google-Attributes: gidf64c6,public
X-Google-ArrivalTime: 2000-10-31 04:29:09 PST
```

Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!news.tele.dk!
212.74.64.35!colt.net!diablo.theplanet.net!btnet-peer!btnet-peer0!btnet!
mendelevium.btinternet.com!not-for-mail
From: "Reg Edwards" <g4fgq.regp@btinternet.com>
Newsgroups: rec.ham-radio,rec.radio,uk.radio,uk.radio.amateur
Subject: Re: TESLA radio Tx/Rx?
Date: Tue, 31 Oct 2000 12:31:51 -0000
Organization: Private
Lines: 14
Message-ID: <8tmdud$2pb$2@plutonium.btinternet.com>
References: <39fca0d3$1@news.telinco.net> <8tihff$qsa$1@neptunium.btinternet.com>
<8tkmdh$hll$1@neptunium.btinternet.com> <G39LGx.Hu@nospam.demon.co.uk>
<39fe4d29$1@news.telinco.net>
Reply-To: "Reg Edwards" <g4fgq.regp@btinternet.com>
NNTP-Posting-Host: host62-7-62-244.btinternet.com
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Xref: supernews.google.com uk.radio.amateur:10000

Jim, you are more likely to get a positive answer if you describe what a non-Herzian radio Tx/Rx system is.

As for me, I havn't the foggiest idea what you are waffling about. And apparently no-one else has either. A ridiculous question invites a ridiculous answer.

Ask the Pentagon. Do they have a website ?

Reg

From 1068825384245831638
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,37b5c8882d2000ff,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,37b5c8882d2000ff,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,37b5c8882d2000ff,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2000-10-31 08:12:27 PST
Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!
europa.netcrusader.net!205.252.116.205!howland.erols.net!newshub2.home.com!
news.home.com!news1.rdc2.pa.home.com.POSTED!not-for-mail
From: "Jeff Farrar" <jeff@farrar.com>
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Anyone using the Firestik 2M 5/8 wave antenna?
Lines: 5

X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <KbCL5.80083$td5.12276833@news1.rdc2.pa.home.com>
Date: Tue, 31 Oct 2000 16:12:26 GMT
NNTP-Posting-Host: 24.8.218.20
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.pa.home.com 973008746 24.8.218.20 (Tue, 31 Oct 2000 08:12:26 PST)
NNTP-Posting-Date: Tue, 31 Oct 2000 08:12:26 PST
Organization: @Home Network
Xref: supernews.google.com alt.ham-radio.vhf-uhf:1450

I am looking at getting one of these and wanted to know if anyone has tried one.
Thanks!!!

From 7995247332892125015
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e64384d5ed294711
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,e64384d5ed294711
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 115af6,e64384d5ed294711
X-Google-Attributes: gid115af6,public
X-Google-Thread: 107de1,e64384d5ed294711
X-Google-Attributes: gid107de1,public
X-Google-ArrivalTime: 2000-10-31 11:27:41 PST
From: "Jim Hawthorne" <PDRM82@freezone.co.uk>
Newsgroups: rec.ham-radio,rec.radio,uk.radio,uk.radio.amateur
References: <39fca0d3$1@news.telinco.net> <8tihff$qsa$1@neptunium.btinternet.com>
<8tkmdh$hll$1@neptunium.btinternet.com> <G39LGx.Hu@nospam.demon.co.uk>
<39fe4d29$1@news.telinco.net> <8tmdud$2pb$2@plutonium.btinternet.com>
Subject: Re: TESLA radio Tx/Rx?
Date: Tue, 31 Oct 2000 19:25:07 -0000
Lines: 19
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Original-NNTP-Posting-Host: ppp-3-32.cvx1.telinco.net
Message-ID: <39ff1d23@news.telinco.net>
X-Original-Trace: 31 Oct 2000 19:27:31 GMT, ppp-3-32.cvx1.telinco.net
NNTP-Posting-Host: news2.cluster1.telinco.net
X-Original-NNTP-Posting-Host: news2.cluster1.telinco.net
X-Trace: 1 Nov 2000 20:27:08 GMT, news2.cluster1.telinco.net
X-Comments: This message was posted or routed through Intensive Networks Ltd. Please ensure any complaints are directed at the source of the message not a feeder server.

X-Comments2: IMPORTANT: Intensive Networks Ltd. does not condone, nor support, spam or any illegal or copyrighted postings.
X-Comments3: IMPORTANT: Under NO circumstances will postings containing illegal or copyrighted material through this service be tolerated!!
X-Report: Please report illegal or inappropriate use to <abuse@intensive.net> You may also use our online abuse reporting from: http://www3.intensive.net/abuse.htm
X-Original-NNTP-Posting-Host: lon-news.intensive.net
Organization: Intensive Networks Ltd http://www.intensive.net/
Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!news.tele.dk!212.74.64.35!colt.net!newspeer.clara.net!news.clara.net!peer.news.nildram.co.uk!peernews.cix.co.uk!news.intensive.net!news.telinco.net!ppp-3-32.cvx1.telinco.net
Xref: supernews.google.com uk.radio.amateur:10019

> Ask the Pentagon. Do they have a website ?

Would they admit to it being in existence, let alone used at all! But if little tit-bits about certain hi-tech medical equipment being stopped from export to unfavoured nations, then just MAYBE, something MIGHT be in the potential existance.

I know that many people may have thought that I am some sort of nutter. But then many folks really thought in the late Thirties, that splitting the atom, was impossible but a German physicist knew otherwise & the Americans proved its feasibility during the Forties.

Yours,

Jim.

From 8610029198705598980
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e64384d5ed294711
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,e64384d5ed294711
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 107de1,e64384d5ed294711
X-Google-Attributes: gid107de1,public
X-Google-Thread: 115af6,e64384d5ed294711
X-Google-Attributes: gid115af6,public
X-Google-ArrivalTime: 2000-10-31 15:11:14 PST
Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!freenix!proxad.net!grolier!btnet-peer0!btnet!mendelevium.btinternet.com!not-for-mail
From: "Mike" <Mick.Fooks@btinternet.com>
Newsgroups: rec.ham-radio,rec.radio,uk.radio,uk.radio.amateur
Subject: Re: TESLA radio Tx/Rx?
Date: Tue, 31 Oct 2000 23:05:45 -0000
Organization: BT Internet
Lines: 22

Message-ID: <8tnjgh$kur$1@plutonium.btinternet.com>
References: <39fca0d3$1@news.telinco.net> <8tihff$qsa$1@neptunium.btinternet.com>
<8tkmdh$hll$1@neptunium.btinternet.com> <G39LGx.Hu@nospam.demon.co.uk>
<39fe4d29$1@news.telinco.net>
NNTP-Posting-Host: host213-1-198-76.btinternet.com
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2314.1300
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
Xref: supernews.google.com uk.radio.amateur:10037

Oooooooeeeerr
Ducks blackboard duster...... back on subject.

OK so I get my thyratron (which are now probably two a penny if you can find
a museum flogging them) and rig it up to trigger my Tesla coil.

Hey folks I've got a massive controllable spark generator, now I can send
morse
signals through the ground at about 0.1 words per minute.

Don't think it'll catch on though.
Mike

Jim Hawthorne <PDRM82@freezone.co.uk> wrote in message
news:39fe4d29$1@news.telinco.net...
> perhaps we could really get back on topic, about this type of radio,
please
> inform me if it is feasible or not?
------snip-------

From -5035188848490660936
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 115af6,e64384d5ed294711
X-Google-Attributes: gid115af6,public
X-Google-Thread: 107de1,e64384d5ed294711
X-Google-Attributes: gid107de1,public
X-Google-Thread: 10c9e3,e64384d5ed294711
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,e64384d5ed294711
X-Google-Attributes: gidf64c6,public
X-Google-ArrivalTime: 2000-11-01 04:11:21 PST
From: "Jim Hawthorne" <PDRM82@freezone.co.uk>
Newsgroups: rec.ham-radio,rec.radio,uk.radio,uk.radio.amateur
References: <39fca0d3$1@news.telinco.net> <8tihff$qsa$1@neptunium.btinternet.com>
<8tkmdh$hll$1@neptunium.btinternet.com> <G39LGx.Hu@nospam.demon.co.uk>
<39fe4d29$1@news.telinco.net> <8tnjgh$kur$1@plutonium.btinternet.com>
Subject: Re: TESLA radio Tx/Rx?
Date: Wed, 1 Nov 2000 12:08:52 -0000

```
Lines: 38
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Original-NNTP-Posting-Host: ppp-2-203.cvx2.telinco.net
Message-ID: <3a000865@news.telinco.net>
X-Original-Trace: 1 Nov 2000 12:11:17 GMT, ppp-2-203.cvx2.telinco.net
NNTP-Posting-Host: news2.cluster1.telinco.net
X-Original-NNTP-Posting-Host: news2.cluster1.telinco.net
X-Trace: 2 Nov 2000 13:10:52 GMT, news2.cluster1.telinco.net
X-Comments: This message was posted or routed through Intensive Networks Ltd.
Please ensure any complaints are directed at the source of the message not a
feeder server.
X-Comments2: IMPORTANT: Intensive Networks Ltd. does not condone, nor support,
spam or any illegal or copyrighted postings.
X-Comments3: IMPORTANT: Under NO circumstances will postings containing illegal or
copyrighted material through this service be tolerated!!
X-Report: Please report illegal or inappropriate use to <abuse@intensive.net> You
may also use our online abuse reporting from: http://www3.intensive.net/abuse.htm
X-Original-NNTP-Posting-Host: lon-news.intensive.net
Organization: Intensive Networks Ltd http://www.intensive.net/
Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!xfer13.netnews.com!
netnews.com!diablo.theplanet.net!btnet-peer!btnet-peer0!btnet!news.netkonect.net!
news.intensive.net!news.telinco.net!ppp-2-203.cvx2.telinco.net
Xref: supernews.google.com uk.radio.amateur:10053
```

I've heard of the Tesla spark generator, which would have more than some fun, if someone set one up in the City of London, mucking up all those integrated circuits in the those financial houses computer systems. I think that it has an airborne range of around 2 miles, if this is correct. But that would more than enough for say 12 hours after the City experienced a serious share downfall!

Yours,

Jim.

Mike <Mick.Fooks@btinternet.com> wrote in message
news:8tnjgh$kur$1@plutonium.btinternet.com...

> Oooooooeeeerr
> Ducks blackboard duster...... back on subject.
>
> OK so I get my thyratron (which are now probably two a penny if you can
find
> a museum flogging them) and rig it up to trigger my Tesla coil.
>
> Hey folks I've got a massive controllable spark generator, now I can send
> morse
> signals through the ground at about 0.1 words per minute.
>
> Don't think it'll catch on though.
> Mike

```
>
> Jim Hawthorne <PDRM82@freezone.co.uk> wrote in message
> news:39fe4d29$1@news.telinco.net...
> > perhaps we could really get back on topic, about this type of radio,
> please
> > inform me if it is feasible or not?
> ------snip-------
>
>
>
```

```
From -9133058404031928423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e64384d5ed294711
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107de1,e64384d5ed294711
X-Google-Attributes: gid107de1,public
X-Google-Thread: 115af6,e64384d5ed294711
X-Google-Attributes: gid115af6,public
X-Google-Thread: f64c6,e64384d5ed294711
X-Google-Attributes: gidf64c6,public
X-Google-ArrivalTime: 2000-11-01 09:05:06 PST
Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!
europa.netcrusader.net!194.159.255.21!dispose.news.demon.net!demon!
news.demon.co.uk!demon!cemetery.demon.co.uk!not-for-mail
From: "Radio Ham" <nospam@nospam.demon.co.uk>
Newsgroups: rec.ham-radio,rec.radio,uk.radio,uk.radio.amateur
Subject: Re: TESLA radio Tx/Rx?
Date: Wed, 1 Nov 2000 16:56:14 -0000
Organization: Humanity
Message-ID: <973098294.14203.0.nnrp-12.9e98250c@news.demon.co.uk>
References: <39fca0d3$1@news.telinco.net> <8tihff$qsa$1@neptunium.btinternet.com>
<8tkmdh$hll$1@neptunium.btinternet.com> <G39LGx.Hu@nospam.demon.co.uk>
<39fe4d29$1@news.telinco.net> <8tnjgh$kur$1@plutonium.btinternet.com>
<3a000865@news.telinco.net>
NNTP-Posting-Host: cemetery.demon.co.uk
X-NNTP-Posting-Host: cemetery.demon.co.uk:158.152.37.12
X-Trace: news.demon.co.uk 973098294 nnrp-12:14203 NO-IDENT
cemetery.demon.co.uk:158.152.37.12
X-Complaints-To: abuse@demon.net
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Lines: 20
Xref: supernews.google.com uk.radio.amateur:10060
```

In fact, last Saturday was the Cambridge Teslathon.
10 foot sparks in evidence.
Gone are the days of neon-sign transformers as the

prime movers, now it is the turn of 11kV
pole-pigs driven in reverse.

--
Jim Hawthorne <PDRM82@freezone.co.uk> wrote in message
news:3a000865@news.telinco.net...
> I've heard of the Tesla spark generator, which would have more than some
> fun, if someone set one up in the City of London, mucking up all those
> integrated circuits in the those financial houses computer systems. I
think
> that it has an airborne range of around 2 miles, if this is correct. But
> that would more than enough for say 12 hours after the City experienced a
> serious share downfall!
>

From -4074296128292360272
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e64384d5ed294711
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,e64384d5ed294711
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 115af6,e64384d5ed294711
X-Google-Attributes: gid115af6,public
X-Google-ArrivalTime: 2000-11-01 12:36:37 PST
Message-ID: <3A007E6F.C83@vel.net>
Date: Wed, 01 Nov 2000 12:34:55 -0800
From: Rich Grise <richgrise@vel.net>
Reply-To: richgrise@vel.net
Organization: N/A
X-Mailer: Mozilla 3.04 (Win95; I)
MIME-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio,uk.radio.amateur
Subject: Re: TESLA radio Tx/Rx?
References: <39fca0d3$1@news.telinco.net> <8tihff$qsa$1@neptunium.btinternet.com>
<8tkmdh$hll$1@neptunium.btinternet.com> <G39LGx.Hu@nospam.demon.co.uk>
<39fe4d29$1@news.telinco.net> <8tnjgh$kur$1@plutonium.btinternet.com>
<3a000865@news.telinco.net> <973098294.14203.0.nnrp-12.9e98250c@news.demon.co.uk>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
NNTP-Posting-Host: haw-207-182-224-134.vel.net
X-Trace: 1 Nov 2000 12:36:36 -0800, haw-207-182-224-134.vel.net
Lines: 14
Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!news.tele.dk!
216.218.192.242!news.he.net!inout.beachnet.com!haw-207-182-224-134.vel.net
Xref: supernews.google.com uk.radio.amateur:10073

Radio Ham wrote:
>
> In fact, last Saturday was the Cambridge Teslathon.

> 10 foot sparks in evidence.
> Gone are the days of neon-sign transformers as the
> prime movers, now it is the turn of 11kV
> pole-pigs driven in reverse.

Begging one's pardon, but when using a polepig, what's
used for current limiting? The internal resistance of
the power-house?

Cheers!
Rich

From 6235403720663516435
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fea6ea0dd276a568,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1147a1,fea6ea0dd276a568,start
X-Google-Attributes: gid1147a1,public
X-Google-Thread: 106d41,fea6ea0dd276a568,start
X-Google-Attributes: gid106d41,public
From: "Jeroen Jansen" <jeroen@Vossers.tmfweb.nl>
Subject: S-meter from Magnum Delta Force
Date: 2000/11/02
Message-ID: <8u69b0$hd6$1@azure.nl.gxn.net>#1/1
X-Deja-AN: 690249420
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: abuse@nl.gxn.net
X-Trace: azure.nl.gxn.net 973514912 17830 62.100.9.169 (6 Nov 2000 12:48:32 GMT)
Organization: FreeSurf
X-MSMail-Priority: Normal
NNTP-Posting-Date: 6 Nov 2000 12:48:32 GMT
Newsgroups: rec.ham-radio,rec.radio.cb,uk.rec.radio.cb

Hi everyone,

I just bought a Magnum Delta Force and I wonderd how i can juse
the digital S-meter under the frequenty readout?

If anyone can tell me I would be verry happy!!!!

Thanx

Jeroen Jansen
19JJ01
Jeroen@vossers.tmfweb.nl

From 1740685308192852938
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ea7b17e18a99511,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115648,6ea7b17e18a99511,start
X-Google-Attributes: gid115648,public
X-Google-Thread: fa656,6ea7b17e18a99511,start
X-Google-Attributes: gidfa656,public
From: "Jim Hawthorne" <PDRM82@freezone.co.uk>
Subject: outdoors laptops & palm PC systems
Date: 2000/11/08
Message-ID: <3a093f55$2@news.telinco.net>#1/1
X-Deja-AN: 691166181
X-Report: Please report illegal or inappropriate use to <abuse@intensive.net> You may also use our online abuse reporting from: http://www3.intensive.net/abuse.htm
X-Original-NNTP-Posting-Host: lon-news.intensive.net
X-Trace: 8 Nov 2000 09:56:39 GMT, news2.cluster1.telinco.net
Organization: Intensive Networks Ltd http://www.intensive.net/
X-Original-Trace: 8 Nov 2000 11:56:05 GMT, ppp-1-164.cvx6.telinco.net
X-MSMail-Priority: Normal
X-Priority: 3
X-Comments: This message was posted or routed through Intensive Networks Ltd. Please ensure any complaints are directed at the source of the message not a feeder server.
Newsgroups: alt.radio.uk,rec.ham-radio,rec.radio.amateur
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Comments2: IMPORTANT: Intensive Networks Ltd. does not condone, nor support, spam or any illegal or copyrighted postings.
X-Comments3: IMPORTANT: Under NO circumstances will postings containing illegal or copyrighted material through this service be tolerated!!

www.geotechnology.co.uk/index.html

From 2940602420092065545
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,60add15ac284a9bc,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,60add15ac284a9bc,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,60add15ac284a9bc,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2000-11-12 20:00:15 PST
Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!cyclone-sjo1.usenetserver.com!news-out.usenetserver.com!newshub2.rdc1.sfba.home.com!news.home.com!news1.rdc2.pa.home.com.POSTED!not-for-mail
From: "Carmine Prestia" <cwp101@psu.edu>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,rec.ham-radio
Subject: FA: Heathkit Seneca VHF-1 Transmitter on eBay

Lines: 11
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <iHJP5.109746$td5.16717309@news1.rdc2.pa.home.com>
Date: Mon, 13 Nov 2000 04:00:14 GMT
NNTP-Posting-Host: 24.8.222.78
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.pa.home.com 974088014 24.8.222.78 (Sun, 12 Nov 2000 20:00:14 PST)
NNTP-Posting-Date: Sun, 12 Nov 2000 20:00:14 PST
Organization: @Home Network
Xref: supernews.google.com alt.ham-radio.marketplace:1672

I have posted the below item for auction on eBay.

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=497568966

Thank you.

Carmine W. Prestia, Jr.
K3CWP

From 2440929372545451242
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a26ab7b81cdc28c2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5e78,a26ab7b81cdc28c2,start
X-Google-Attributes: gidf5e78,public
From: brianboerner@my-deja.com
Subject: Ham Radio Crackles with Engine Running on Volvo 240 Sedan
Date: 2000/11/14
Message-ID: <8usjfp$v2h$1@nnrp1.deja.com>#1/1
X-Deja-AN: 693688756
X-Http-Proxy: 1.0 x53.deja.com:80 (Squid/1.1.22) for client 205.229.161.31
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Tue Nov 14 23:56:42 2000 GMT
X-MyDeja-Info: XMYDJUIDbrianboerner
Reply-To: brianboerner@hotmail.com
Newsgroups: alt.autos.volvo,rec.ham-radio
X-Http-User-Agent: Mozilla/4.75 [en] (X11; U; Linux 2.2.16-22smp i686)

I've got a 1986 Volvo 240 Sedan. I have an amateur radio hooked directly to the battery. When the car is off, the radio works flawlessly. However, when I start the car I hear a motor boat sound coming out of the speaker. If the signal is really strong, I don't hear the noise at all, but if it is at all faded, the people are barely audible.

The tempo and strength of the noise seems to increase with speed.

I tried and auto noise filter with no luck.

At this point I'm wondering if some extra shielding (say alum foil)
grounded to the chassis would help.

Does anyone have any problems with older volvos and and RF/EMI noise?

-bmb-

Sent via Deja.com http://www.deja.com/
Before you buy.

From 6365137925818389392
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a26ab7b81cdc28c2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5e78,a26ab7b81cdc28c2
X-Google-Attributes: gidf5e78,public
X-Google-ArrivalTime: 2000-11-14 17:38:52 PST
Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!europa.netcrusader.net!204.127.161.3!wn3feed!worldnet.att.net!wnmasters2!bgtnsc04-news.ops.worldnet.att.net.POSTED!not-for-mail
From: "Al, N2NKB" <n2nkb@n2nkb@postoffice.worldnet.att.net>
Newsgroups: alt.autos.volvo,rec.ham-radio
References: <8usjfp$v2h$1@nnrp1.deja.com>
Subject: Re: Ham Radio Crackles with Engine Running on Volvo 240 Sedan
Lines: 30
X-Newsreader: Microsoft Outlook Express 4.72.3110.1
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Message-ID: <LOlQ5.10771$mq1.735434@bgtnsc04-news.ops.worldnet.att.net>
Date: Wed, 15 Nov 2000 01:38:51 GMT
NNTP-Posting-Host: 12.79.25.143
X-Complaints-To: abuse@worldnet.att.net
X-Trace: bgtnsc04-news.ops.worldnet.att.net 974252331 12.79.25.143 (Wed, 15 Nov 2000 01:38:51 GMT)
NNTP-Posting-Date: Wed, 15 Nov 2000 01:38:51 GMT
Organization: AT&T Worldnet
Xref: supernews.google.com alt.autos.volvo:7506

brianboerner@my-deja.com wrote in message <8usjfp$v2h$1@nnrp1.deja.com>...
>I've got a 1986 Volvo 240 Sedan. I have an amateur radio hooked directly
>to the battery. When the car is off, the radio works flawlessly.
>However, when I start the car I hear a motor boat sound coming out of
>the speaker. If the signal is really strong, I don't hear the noise at
>all, but if it is at all faded, the people are barely audible.
>
>The tempo and strength of the noise seems to increase with speed.
>
>I tried and auto noise filter with no luck.

>
>At this point I'm wondering if some extra shielding (say alum foil)
>grounded to the chassis would help.
>
>Does anyone have any problems with older volvos and and RF/EMI noise?
>
>-bmb-

Brian,
I suppose you must be operating HF in the car, I doubt 2-M would pick up much ignition noise.
You mention "motor boat noise", which is indicative of low frequencies.
As you probably know, ignition noise "whines".   Being that the tempo increases with speed,
my guess is that it is ignition noise rather than low frequency motorboating.
Suggestions-
1. Make sure that your hood has a thick braided ground to the chassis.
2. Consider shielded spark plug cables.
Al, N2NKB

From -7083437867233292610
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a26ab7b81cdc28c2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5e78,a26ab7b81cdc28c2
X-Google-Attributes: gidf5e78,public
From: brianboerner@my-deja.com
Subject: Re: Ham Radio Crackles with Engine Running on Volvo 240 Sedan
Date: 2000/11/15
Message-ID: <8uu3un$3kk$1@nnrp1.deja.com>#1/1
X-Deja-AN: 693888328
References: <8usjfp$v2h$1@nnrp1.deja.com> <LOlQ5.10771$mq1.735434@bgtnsc04-news.ops.worldnet.att.net>
X-Http-Proxy: 1.0 x55.deja.com:80 (Squid/1.1.22) for client 205.229.161.31
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Wed Nov 15 13:43:53 2000 GMT
X-MyDeja-Info: XMYDJUIDbrianboerner
Newsgroups: alt.autos.volvo,rec.ham-radio
X-Http-User-Agent: Mozilla/4.75 [en] (X11; U; Linux 2.2.16-22smp i686)

In article <LOlQ5.10771$mq1.735434@bgtnsc04-news.ops.worldnet.att.net>,
  "Al, N2NKB" <n2nkb@n2nkb@postoffice.worldnet.att.net> wrote:
>
> Brian,
> I suppose you must be operating HF in the car, I doubt 2-M would pick
up much ignition noise.
> You mention "motor boat noise", which is indicative of low
frequencies.
> As you probably know, ignition noise "whines".   Being that the tempo
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> my guess is that it is ignition noise rather than low frequency motorboating.
> Suggestions-
> 1. Make sure that your hood has a thick braided ground to the chassis.
> 2. Consider shielded spark plug cables.
> Al, N2NKB
>

Actually it is on 2m and 70cm. I haven't noticed if it is any worse on either band. I'll do some investigation.

-bmb-

Sent via Deja.com http://www.deja.com/
Before you buy.

From -8061317378198056200
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a26ab7b81cdc28c2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5e78,a26ab7b81cdc28c2
X-Google-Attributes: gidf5e78,public
From: "M. Schneider" <markinokla@juno.com>
Subject: Re: Ham Radio Crackles with Engine Running on Volvo 240 Sedan
Date: 2000/11/15
Message-ID: <gNzQ5.4336$vn5.3229@newsfeed.slurp.net>#1/1
X-Deja-AN: 693980684
References: <8usjfp$v2h$1@nnrp1.deja.com> <LOlQ5.10771$mq1.735434@bgtnsc04-news.ops.worldnet.att.net> <8uu3un$3kk$1@nnrp1.deja.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
X-Trace: newsfeed.slurp.net 974309580 208.240.218.33 (Wed, 15 Nov 2000 11:33:00 CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Wed, 15 Nov 2000 11:33:00 CDT
Newsgroups: alt.autos.volvo,rec.ham-radio

Brian,
Going on my experience from years ago as a service technician at a Chevrolet dealership, let me offer a few suggestions. First, disconnect the antenna from the radio, and test-drive the car. If the noise goes away, then you know it's coming in via the antenna. If it stays, it's powerline noise. The "motorboat" noise you mentioned, if antenna received, is usually indicative of sparkplug noise. Check and see if you have resistor sparkplugs. If not, you should. The cables to your plugs, the distributor cap and rotor are the next things to check. I always got a plugwire from the Parts Dept. and started swapping plug wires, 1 at a time. If the noise would go away when I found the offending wire, I'd then replace the entire set (figuring if one was bad, the others weren't far behind). Then I'd make

a careful visual inspection of the distributor rotor and cap. Especially with today's high-energy ignition systems, any minor flaw, crack or contamination can cause problems (you'd be AMAZED what you can do to a HEI system with a good 'ol #2 lead pencil!). And, as Al said, check your vehicle's ground straps. Hood to body, engine to frame, battery to body, etc.

Good Luck,
Mark K5MAR

<brianboerner@my-deja.com> wrote in message
news:8uu3un$3kk$1@nnrp1.deja.com...
> In article <LOlQ5.10771$mq1.735434@bgtnsc04-news.ops.worldnet.att.net>,
>   "Al, N2NKB" <n2nkb@n2nkb@postoffice.worldnet.att.net> wrote:
> >
> > Brian,
> > I suppose you must be operating HF in the car, I doubt 2-M would pick
> up much ignition noise.
> > You mention "motor boat noise", which is indicative of low
> frequencies.
> > As you probably know, ignition noise "whines".   Being that the tempo
> increases with speed,
> > my guess is that it is ignition noise rather than low frequency
> motorboating.
> > Suggestions-
> > 1. Make sure that your hood has a thick braided ground to the
> chassis.
> > 2. Consider shielded spark plug cables.
> > Al, N2NKB
> >
>
> Actually it is on 2m and 70cm. I haven't noticed if it is any worse on
> either band. I'll do some investigation.
>
> -bmb-
>
>
> Sent via Deja.com http://www.deja.com/
> Before you buy.

From 9171329055090570932
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a26ab7b81cdc28c2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5e78,a26ab7b81cdc28c2
X-Google-Attributes: gidf5e78,public
From: "Al, N2NKB" <n2nkb@n2nkb@postoffice.worldnet.att.net>
Subject: Re: Ham Radio Crackles with Engine Running on Volvo 240 Sedan
Date: 2000/11/15

Message-ID: <gOEQ5.976$BL.62252@bgtnsc05-news.ops.worldnet.att.net>#1/1
X-Deja-AN: 694102885
References: <8usjfp$v2h$1@nnrp1.deja.com> <LOlQ5.10771$mq1.735434@bgtnsc04-news.ops.worldnet.att.net> <8uu3un$3kk$1@nnrp1.deja.com> <gNzQ5.4336$vn5.3229@newsfeed.slurp.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Complaints-To: abuse@worldnet.att.net
X-Trace: bgtnsc05-news.ops.worldnet.att.net 974330124 12.79.29.211 (Wed, 15 Nov 2000 23:15:24 GMT)
Organization: AT&T Worldnet
NNTP-Posting-Date: Wed, 15 Nov 2000 23:15:24 GMT
Newsgroups: alt.autos.volvo,rec.ham-radio

Brian,
I think Mark's suggestion about the cables is much more practical than mine was.
I suggested using shielded spark plug wires, he suggested resistive wires.
Al, N2NKB

M. Schneider wrote in message ...
>Brian,
>Going on my experience from years ago as a service technician at a Chevrolet
>dealership, let me offer a few suggestions. First, disconnect the antenna
>from the radio, and test-drive the car. If the noise goes away, then you
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>a careful visual inspection of the distributor rotor and cap. Especially
>with today's high-energy ignition systems, any minor flaw, crack or
>contamination can cause problems (you'd be AMAZED what you can do to a HEI
>system with a good 'ol #2 lead pencil!). And, as Al said, check your
>vehicle's ground straps. Hood to body, engine to frame, battery to body,
>etc.
>
>Good Luck,
>Mark K5MAR
>
><brianboerner@my-deja.com> wrote in message
>news:8uu3un$3kk$1@nnrp1.deja.com...
>> In article <LOlQ5.10771$mq1.735434@bgtnsc04-news.ops.worldnet.att.net>,
>>   "Al, N2NKB" <n2nkb@n2nkb@postoffice.worldnet.att.net> wrote:
>> >
>> > Brian,
>> > I suppose you must be operating HF in the car, I doubt 2-M would pick
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>>
>> Actually it is on 2m and 70cm. I haven't noticed if it is any worse on
>> either band. I'll do some investigation.
>>
>>  -bmb-
>>
>>
>> Sent via Deja.com http://www.deja.com/
>> Before you buy.
>
>
```

```
From 1699845066211872323
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,a7de860bf32bba62,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,a7de860bf32bba62,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,a7de860bf32bba62,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: fc8b1,a7de860bf32bba62,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fcc6e,a7de860bf32bba62,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f7653,a7de860bf32bba62,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: f76e2,a7de860bf32bba62,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f4306,a7de860bf32bba62,start
X-Google-Attributes: gidf4306,public
From: "don lewellen" <dlewelle@leru.net>
Subject: looking for used tower
Date: 2000/11/15
Message-ID: <HZEQ5.599$xb1.36086@eagle.america.net>#1/1
X-Deja-AN: 694107112
References: <R81M5.2757$Ar3.1078@newsfeed.slurp.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Trace: eagle.america.net 974330855 209.211.164.16 (Wed, 15 Nov 2000 18:27:35
EST)
Organization: 24hoursupport.com
```

```
X-MSMail-Priority: Normal
Reply-To: "don lewellen" <dlewelle@leru.net>
NNTP-Posting-Date: Wed, 15 Nov 2000 18:27:35 EST
Newsgroups: alt.ham-radio.marketplace,alt.ham-radio.packet,alt.ham-radio.vhf-
uhf,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amate
ur.digital.misc,rec.radio.amateur.policy,rec.radio.amateur.swap

hi just found this great group am looking for used tower  iam in mo thanks
don

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-----------------------------------------------------

,
>
>
> >
> >
> >
>
>
>
>




From 145745287836833941
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a26ab7b81cdc28c2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5e78,a26ab7b81cdc28c2
X-Google-Attributes: gidf5e78,public
X-Google-ArrivalTime: 2000-11-15 22:23:03 PST
Path: supernews.google.com!sn-xit-02!supernews.com!isdnet!news-
spur1.maxwell.syr.edu!news.maxwell.syr.edu!newsfeed.slurp.net!not-for-mail
From: "M. Schneider" <markinokla@juno.com>
Newsgroups: alt.autos.volvo,rec.ham-radio
References: <8usjfp$v2h$1@nnrp1.deja.com> <LOlQ5.10771$mq1.735434@bgtnsc04-
news.ops.worldnet.att.net> <8uu3un$3kk$1@nnrp1.deja.com>
<gNzQ5.4336$vn5.3229@newsfeed.slurp.net> <gOEQ5.976$BL.62252@bgtnsc05-
news.ops.worldnet.att.net>
Subject: Re: Ham Radio Crackles with Engine Running on Volvo 240 Sedan
Lines: 91
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <mWKQ5.1775$QZ5.1541@newsfeed.slurp.net>
Date: Thu, 16 Nov 2000 00:23:51 -0600
NNTP-Posting-Host: 208.240.218.49
```

X-Trace: newsfeed.slurp.net 974355218 208.240.218.49 (Thu, 16 Nov 2000 00:13:38 CDT)
NNTP-Posting-Date: Thu, 16 Nov 2000 00:13:38 CDT
Xref: supernews.google.com alt.autos.volvo:7591

Actually, Al, I failed to mention resistive wires, I just assumed that would be what he would get if buying replacement wires. I think that is pretty much standard these days for passenger cars and light duty trucks, but you make a good point. I shouldn't "assume" anything. Brian, if you buy new plugwires, be sure and specify that you want the RF suppression type. Unless you are driving some type of high performance vehicle, that should be the type normally installed, but it doesn't hurt to make sure. Somewhere along the way, somebody could have put a set of cheap "Universal" plug wires and/or non-resistor sparkplugs in your vehicle. It's worth checking out as a possible cause. The plugs themselves should have markings that will enable you to tell what kind they are. The plugwires are tougher to check. They may or may not be marked. If in doubt, I'd replace them myself. It's up to you.

Good Luck and 73
Mark K5MAR

"Al, N2NKB" <n2nkb@n2nkb@postoffice.worldnet.att.net> wrote in message news:gOEQ5.976$BL.62252@bgtnsc05-news.ops.worldnet.att.net...

> Brian,
> I think Mark's suggestion about the cables is much more practical than mine was.
> I suggested using shielded spark plug wires, he suggested resistive wires.
> Al, N2NKB
>
> M. Schneider wrote in message ...
> >Brian,
> >Going on my experience from years ago as a service technician at a Chevrolet
> >dealership, let me offer a few suggestions. First, disconnect the antenna
> >from the radio, and test-drive the car. If the noise goes away, then you
> >know it's coming in via the antenna. If it stays, it's powerline noise.
> >The "motorboat" noise you mentioned, if antenna received, is usually
> >indicative of sparkplug noise. Check and see if you have resistor
> >sparkplugs. If not, you should. The cables to your plugs, the distributor
> >cap and rotor are the next things to check. I always got a plugwire from
> >the Parts Dept. and started swapping plug wires, 1 at a time. If the noise
> >would go away when I found the offending wire, I'd then replace the entire
> >set (figuring if one was bad, the others weren't far behind). Then I'd make
> >a careful visual inspection of the distributor rotor and cap. Especially
> >with today's high-energy ignition systems, any minor flaw, crack or
> >contamination can cause problems (you'd be AMAZED what you can do to a HEI

```
> >system with a good 'ol #2 lead pencil!).  And, as Al said, check your
> >vehicle's ground straps.  Hood to body, engine to frame, battery to body,
> >etc.
> >
> >Good Luck,
> >Mark  K5MAR
> >
> ><brianboerner@my-deja.com> wrote in message
> >news:8uu3un$3kk$1@nnrp1.deja.com...
> >> In article <LOlQ5.10771$mq1.735434@bgtnsc04-news.ops.worldnet.att.net>,
> >>   "Al, N2NKB" <n2nkb@n2nkb@postoffice.worldnet.att.net> wrote:
> >> >
> >> > Brian,
> >> > I suppose you must be operating HF in the car,  I doubt 2-M would
pick
> >> up much ignition noise.
> >> > You mention "motor boat noise", which is indicative of low
> >> frequencies.
> >> > As you probably know, ignition noise "whines".   Being that the tempo
> >> increases with speed,
> >> > my guess is that it is ignition noise rather than low frequency
> >> motorboating.
> >> > Suggestions-
> >> > 1.  Make sure that your hood has a thick braided ground to the
> >> chassis.
> >> > 2.  Consider shielded spark plug cables.
> >> > Al, N2NKB
> >> >
> >>
> >> Actually it is on 2m and 70cm. I haven't noticed if it is any worse on
> >> either band. I'll do some investigation.
> >>
> >>  -bmb-
> >>
> >>
> >> Sent via Deja.com http://www.deja.com/
> >> Before you buy.
> >
> >
>
>
```

```
From 6903780414923352739
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,8ad94b72b14cd1ab,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,8ad94b72b14cd1ab,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105207,8ad94b72b14cd1ab,start
X-Google-Attributes: gid105207,public
```

X-Google-Thread: fc8b1,8ad94b72b14cd1ab,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa656,8ad94b72b14cd1ab,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107045,8ad94b72b14cd1ab,start
X-Google-Attributes: gid107045,public
X-Google-Thread: f76e2,8ad94b72b14cd1ab,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f5cc6,8ad94b72b14cd1ab,start
X-Google-Attributes: gidf5cc6,public
From: "Vanderberg" <andreav1@home.com>
Subject: FS: Clean Out Radio Sale!!
Date: 2000/11/19
Message-ID: <jzYR5.135964$j6.14353151@news1.rdc1.va.home.com>#1/1
X-Deja-AN: 695546147
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.va.home.com 974673231 24.10.164.168 (Sun, 19 Nov 2000 14:33:51 PST)
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 19 Nov 2000 14:33:51 PST
Newsgroups: alt.ham-radio.marketplace,alt.pirate.radio,alt.radio.antennas,alt.radio.pirate,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.boatanchors

I am cleaning out the Shack. I am open to trades and offers.
Things I'm interested in (but not limited to): Shortwave radios, Scanners,
VHF SSB Gear, HF Gear.

Kenwood TS-520 HF Radio
Cobra 142GTL Base CB
HTX - 202 2m Handheld
Utica 650 6m AM tube rig w/ VFO
HR-2600 10m Rig (Need alignment)
Antronn 99 10m/11m Vertical (w/ Ground Plane Elements)
Diamond X-300 2m/440 Dual Band Vertical (w/ Ground Plane Elements)
Moonraker 10m/11m 4 element Quagi (Switchable from horizontal to vertical polarization)
Astron 70 Amp Metered Power Supply
Astron 25 Amp Metered Power Supply
Mirage 2m 160w Amplifier
Texas Star 500 10m/11m Amplifier four-transistor Amp (Needs Work)
120 watts Home- Built 10m/11m two-transistor Amp
Radio Shack Pro-64 Handheld Scanner
Bearcat 760xlt mobile
Turner Plus 3B Desk Mic
Turner Plus SuperSidekick
Kenwood MC-50 Desk Mic
PDC-700 Power Scanner 10m/11m (SWR,Mod,Power)
NDS TA-27 RF Pre-Amp w/ Variable Gain

Citizens Band Field Strength Meter
Regency HX 650 Scanner (Crystal Type)
R-390A/URR Military HF Receiver (GREAT! Condition)
RG-8,RG-8, and more RG-8

This is the Radio Equipment I am parting with:) All Equipment is in great shape. If anything here interests you let me know.

Victor V.
Please Respond to:
victor1@vt.edu

From 3810649836275973318
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,8ad94b72b14cd1ab
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,8ad94b72b14cd1ab
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105207,8ad94b72b14cd1ab
X-Google-Attributes: gid105207,public
X-Google-Thread: 107045,8ad94b72b14cd1ab
X-Google-Attributes: gid107045,public
X-Google-Thread: f76e2,8ad94b72b14cd1ab
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f5cc6,8ad94b72b14cd1ab
X-Google-Attributes: gidf5cc6,public
X-Google-Thread: fa656,8ad94b72b14cd1ab
X-Google-Attributes: gidfa656,public
From: "Vanderberg" <andreav1@home.com>
Subject: FS: Clean Out Radio Sale!!
Date: 2000/11/19
Message-ID: <YAYR5.135965$j6.14353329@news1.rdc1.va.home.com>#1/1
X-Deja-AN: 695546595
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.va.home.com 974673336 24.10.164.168 (Sun, 19 Nov 2000 14:35:36 PST)
Organization: Excite@Home - The Leader in Broadband http://home.com/faster
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 19 Nov 2000 14:35:36 PST
Newsgroups: alt.ham-radio.marketplace,alt.pirate.radio,alt.radio.antennas,alt.radio.pirate,rec.ham-

radio,rec.ham-radio.swap,rec.radio.amateur

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HTX - 202 2m Handheld
Utica 650 6m AM tube rig w/ VFO
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Diamond X-300 2m/440 Dual Band Vertical (w/ Ground Plane Elements)
Moonraker 10m/11m 4 element Quagi (Switchable from horizontal to vertical polarization)
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Astron 25 Amp Metered Power Supply
Mirage 2m 160w Amplifier
Texas Star 500 10m/11m Amplifier four-transistor Amp (Needs Work)
120 watts Home- Built 10m/11m two-transistor Amp
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Turner Plus SuperSidekick
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Victor V.
Please Respond to:
victor1@vt.edu

From 7158028913158129877
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,8ad94b72b14cd1ab
X-Google-Attributes: gid108228,public

X-Google-Thread: 10c9e3,8ad94b72b14cd1ab
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107045,8ad94b72b14cd1ab
X-Google-Attributes: gid107045,public
X-Google-Thread: fc8b1,8ad94b72b14cd1ab
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 105207,8ad94b72b14cd1ab
X-Google-Attributes: gid105207,public
X-Google-Thread: f76e2,8ad94b72b14cd1ab
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,8ad94b72b14cd1ab
X-Google-Attributes: gidfa656,public
X-Google-Thread: f5cc6,8ad94b72b14cd1ab
X-Google-Attributes: gidf5cc6,public
From: DETROIT47 <detroit47@mediaone.net>
Subject: Re: FS: Clean Out Radio Sale!!
Date: 2000/11/20
Message-ID: <3A188709.7AB1257F@mediaone.net>#1/1
X-Deja-AN: 695599463
Content-Transfer-Encoding: 7bit
References: <jzYR5.135964$j6.14353151@news1.rdc1.va.home.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@mediaone.net
X-Trace: typhoon.mw.mediaone.net 974686013 24.131.46.27 (Sun, 19 Nov 2000 21:06:53 EST)
MIME-Version: 1.0
NNTP-Posting-Date: Sun, 19 Nov 2000 21:06:53 EST
Newsgroups: alt.ham-radio.marketplace,alt.pirate.radio,alt.radio.antennas,alt.radio.pirate,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.boatanchors

Hi
How much for the 142,diamond 300,t star 500,r390.
thanks john N8QPC

Vanderberg wrote:

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>
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> Cobra 142GTL Base CB
> HTX - 202 2m Handheld
> Utica 650 6m AM tube rig w/ VFO
> HR-2600 10m Rig (Need alignment)
> Antronn 99 10m/11m Vertical (w/ Ground Plane Elements)
> Diamond X-300 2m/440 Dual Band Vertical (w/ Ground Plane Elements)
> Moonraker 10m/11m 4 element Quagi (Switchable from horizontal to vertical
> polarization)
> Astron 70 Amp Metered Power Supply
> Astron 25 Amp Metered Power Supply

> Mirage 2m 160w Amplifier
> Texas Star 500 10m/11m Amplifier four-transistor Amp (Needs Work)
> 120 watts Home- Built 10m/11m two-transistor Amp
> Radio Shack Pro-64 Handheld Scanner
> Bearcat 760xlt mobile
> Turner Plus 3B Desk Mic
> Turner Plus SuperSidekick
> Kenwood MC-50 Desk Mic
> PDC-700 Power Scanner 10m/11m (SWR,Mod,Power)
> NDS TA-27 RF Pre-Amp w/ Variable Gain
> Citizens Band Field Strength Meter
> Regency HX 650 Scanner (Crystal Type)
> R-390A/URR Military HF Receiver (GREAT! Condition)
> RG-8,RG-8, and more RG-8
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> me know.
>
> Victor V.
> Please Respond to:
> victor1@vt.edu

From 3222518334798198054
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e971ee9bd245462e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105955,e971ee9bd245462e
X-Google-Attributes: gid105955,public
X-Google-Thread: f64c6,e971ee9bd245462e
X-Google-Attributes: gidf64c6,public
X-Google-Thread: f55c2,e971ee9bd245462e
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 114a57,e971ee9bd245462e
X-Google-Attributes: gid114a57,public
From: "2findit" <no_spam@thanks.com>
Subject: Re: HELP: Icom IC-751A
Date: 2000/08/10
Message-ID: <sp5lrolpn4t94@corp.supernews.com>#1/1
X-Deja-AN: 656810381
References: <8mcfnh$eph$1@neptunium.btinternet.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: newsabuse@supernews.com
Organization: Posted via Supernews, http://www.supernews.com
X-MSMail-Priority: Normal
Newsgroups: alt.ham-radio.hf,alt.ham-radio.mods,att.ham-radio,rec.ham-radio,uk.radio.amateur

Greetings Howard..

Perhaps it's actually time to consider exploring alternatives to such
tactics and finely obtain your amateur license? This may actually take
stretching your abilities and imagination beyond 11 meters...

Cheers,
Gary

I can only hope the 751A sees more use than that band (legally).

Howard P <howard.g7lqy@btinternet.com> wrote in message
news:8mcfnh$eph$1@neptunium.btinternet.com...
> Hi all
>
> anybody know how to open up tx range, to use on 27mhz??
> been told that there is a mod that opens this rig up so that there
> are no gaps on the ham bands
>
> look forward to any replys
>
> howard
>
>
>

From -4092947782103556345
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7b73f59a16aac685,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,7b73f59a16aac685,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,7b73f59a16aac685,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: fc8b1,7b73f59a16aac685,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 114671,7b73f59a16aac685,start
X-Google-Attributes: gid114671,public
From: "Frank Scott" <mediator@bigpond.net.au>
Subject: INFO WANTED - ALPHA HF Transciever
Date: 2000/08/17
Message-ID: <8pQm5.3349$Xg.34976@news-server.bigpond.net.au>#1/1
X-Deja-AN: 659300034
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
X-Complaints-To: news@bigpond.net.au
X-Trace: news-server.bigpond.net.au 966513348 144.132.17.156 (Thu, 17 Aug 2000
21:55:48 EST)

Organization: BigPond Internet Services (http://www.bigpond.net.au)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Thu, 17 Aug 2000 21:55:48 EST
Newsgroups: alt.ham-radio.hf,aus.radio.amateur.misc,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.boatanchors

Any info on the ALPHA 20Mt rig , published as a series in UK Maga HAM RADIO TODAY August - November 1984.
Originally sold as a kit by WPO Communications in UK.
NEED last part of series (part 3)
any other info appreciated
73s
Frank
VK3BFC

From 6458180596467950246
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,7b73f59a16aac685
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,7b73f59a16aac685
X-Google-Attributes: gid114a57,public
X-Google-Thread: 114671,7b73f59a16aac685
X-Google-Attributes: gid114671,public
X-Google-Thread: fa656,7b73f59a16aac685
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc8b1,7b73f59a16aac685
X-Google-Attributes: gidfc8b1,public
From: lpdavies@bc.seflin.org (Leslie Paul Davies)
Subject: Re: INFO WANTED - ALPHA HF Transciever
Date: 2000/08/17
Message-ID: <8nhb06$q7@nntp.seflin.org>#1/1
X-Deja-AN: 659433789
References: <8pQm5.3349$Xg.34976@news-server.bigpond.net.au>
Organization: SEFLIN Free-Net
Followup-To: alt.ham-radio.hf,aus.radio.amateur.misc,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.boatanchors
Newsgroups: alt.ham-radio.hf,aus.radio.amateur.misc,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.boatanchors

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For the first article, the cost is �2.75. If you order other articles at the same time, add �2.00 per article. Note that multiple parts count as separate articles. Please add postage and packing at �1.25 (�2.00 for overseas surface mail).

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We publish several books and magazines so it is important to state that the article comes from Radio Today. Please also give the article title as closely as you can, and the year and issue it appeared in.

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Send to: Radio Today Photocopy Service, RSGB Sales, Lambda House,
Cranborne Road, Potters Bar, Herts EN6 3JE.

Or you can make a credit-card order by e-mail to sales@rsgb.org.uk, by telephone to 01707 659015, or by fax to 01707 645105.

Back Numbers Index

Radio Today Site Index

rtoday@rsgb.org.uk

GL
--
Paul W2SYF/4 Ft Lauderdale EL96vc
"Heisenberg may have slept here... "
Leslie Paul Davies
lpdavies@bc.seflin.org

```
From 8218232451885807736
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,4ae483f8f3fc96db,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,4ae483f8f3fc96db,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,4ae483f8f3fc96db,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,4ae483f8f3fc96db,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,4ae483f8f3fc96db,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,4ae483f8f3fc96db,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,4ae483f8f3fc96db,start
X-Google-Attributes: gid1109af,public
```

```
From: Reed White <alta@pioneer.net>
Subject: FS: Super Efficient 40M QRP Rig
Date: 2000/08/18
Message-ID: <399D6E11.BAC0E3F1@pioneer.net>#1/1
X-Deja-AN: 659793247
Content-Transfer-Encoding: 7bit
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@news.scn.rain.com
X-Trace: quark.scn.rain.com 966617707 20957 204.119.56.206 (18 Aug 2000 16:55:07
GMT)
Organization: Alta Research
Mime-Version: 1.0
Reply-To: alta@alta-research.com
NNTP-Posting-Date: 18 Aug 2000 16:55:07 GMT
Newsgroups: rec.radio.swap,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur.swap,rec.radio.amateur.equipment,alt.ham-
radio.marketplace,rec.radio.amateur

FS: NorCal 40A  40-meter QRP Transceiver

The NorCal 40A is perhaps the most efficient and clean-design
single-band QRP rig made.  The receiver uses only 16 ma!
This one was built by an HP electrical engineer, and modified
to work reliably from 10-15v.

     Band:        40m
     Transmitter: 2w at 13 v.  Very efficient.
     Receiver:    4-xtal filter, RIT, Uses only 16 ma.

Available at www.ebay.com.  Search for "norcal".
Auction ends Sunday, Aug 20.

... Reed K7FLY




From 3318744623737894777
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e971ee9bd245462e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,e971ee9bd245462e
X-Google-Attributes: gidf64c6,public
X-Google-Thread: f55c2,e971ee9bd245462e
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 105955,e971ee9bd245462e
X-Google-Attributes: gid105955,public
X-Google-Thread: 114a57,e971ee9bd245462e
X-Google-Attributes: gid114a57,public
From: "Robert Giuliani" <robtg@worldnet.att.net>
Subject: Re: HELP: Icom IC-751A
Date: 2000/08/19
```

```
Message-ID: <2Yvn5.16720$4T.995410@bgtnsc07-news.ops.worldnet.att.net>#1/1
X-Deja-AN: 660072510
References: <8mcfnh$eph$1@neptunium.btinternet.com> <8mcm8o$2e5$1@supernews.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: abuse@worldnet.att.net
X-Trace: bgtnsc07-news.ops.worldnet.att.net 966691710 12.79.190.137 (Sat, 19 Aug
2000 13:28:30 GMT)
Organization: AT&T Worldnet
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 19 Aug 2000 13:28:30 GMT
Newsgroups: alt.ham-radio.hf,alt.ham-radio.mods,att.ham-radio,rec.ham-
radio,uk.radio.amateur

Stop hacking such as fine rig as the 751A



yvonne young <yj_young@lineone.net> wrote in message
news:8mcm8o$2e5$1@supernews.com...
> ring up icom at hearn bay and tell them you have a rig that has been
opened
> up on the rx and  ask them what number diode is it to close the wide band
rx
> up.
> when they tell you the number youll be able to cut that diode and expand
> your rx.thats all i did
> Howard P <howard.g7lqy@btinternet.com> wrote in message
> news:8mcfnh$eph$1@neptunium.btinternet.com...
> > Hi all
> >
> > anybody know how to open up tx range, to use on 27mhz??
> > been told that there is a mod that opens this rig up so that there
> > are no gaps on the ham bands
> >
> > look forward to any replys
> >
> > howard
> >
> >
> >
>
>





From 1692508427300369156
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e971ee9bd245462e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f55c2,e971ee9bd245462e
```

X-Google-Attributes: gidf55c2,public
X-Google-Thread: 105955,e971ee9bd245462e
X-Google-Attributes: gid105955,public
X-Google-Thread: f64c6,e971ee9bd245462e
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 114a57,e971ee9bd245462e
X-Google-Attributes: gid114a57,public
From: "Robert Giuliani" <robtg@worldnet.att.net>
Subject: Re: HELP: Icom IC-751A
Date: 2000/08/19
Message-ID: <tZvn5.16722$4T.990491@bgtnsc07-news.ops.worldnet.att.net>#1/1
X-Deja-AN: 660072718
References: <8mcfnh$eph$1@neptunium.btinternet.com>
<sp5lrolpn4t94@corp.supernews.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: abuse@worldnet.att.net
X-Trace: bgtnsc07-news.ops.worldnet.att.net 966691801 12.79.190.137 (Sat, 19 Aug 2000 13:30:01 GMT)
Organization: AT&T Worldnet
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 19 Aug 2000 13:30:01 GMT
Newsgroups: alt.ham-radio.hf,alt.ham-radio.mods,att.ham-radio,rec.ham-radio,uk.radio.amateur

I agree completely with you. There are virtually no difficult test left to obtain a ham ticket these days.

2findit <no_spam@thanks.com> wrote in message
news:sp5lrolpn4t94@corp.supernews.com...
> Greetings Howard..
>
> Perhaps it's actually time to consider exploring alternatives to such
> tactics and finely obtain your amateur license? This may actually take
> stretching your abilities and imagination beyond 11 meters...
>
> Cheers,
> Gary
>
> I can only hope the 751A sees more use than that band (legally).
>
>
>
> Howard P <howard.g7lqy@btinternet.com> wrote in message
> news:8mcfnh$eph$1@neptunium.btinternet.com...
> > Hi all
> >
> > anybody know how to open up tx range, to use on 27mhz??
> > been told that there is a mod that opens this rig up so that there
> > are no gaps on the ham bands
> >
> > look forward to any replys
> >

> > howard
> >
> >
> >
>
>

From -2021378824196423967
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,546a969f23c675b3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb6c1,ceb69b8690940076
X-Google-Attributes: gidfb6c1,public
From: "OZ50MHz DX Bulletin" <oz6om_nospammail_@qsl.net>
Subject: 50 MHz DX Bulletin (#33)
Date: 2000/08/20
Message-ID: <XuZn5.1884$uy1.26209@news000.worldonline.dk>#1/1
X-Deja-AN: 660523629
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: news-abuse@wol.dk
X-Trace: news000.worldonline.dk 966812727 212.54.69.5 (Mon, 21 Aug 2000 01:05:27 MET DST)
Organization: Customer of World Online
X-MSMail-Priority: Normal
NNTP-Posting-Date: Mon, 21 Aug 2000 01:05:27 MET DST
Newsgroups: nl.radio.amateur,rec.ham-radio

Dr OM/YL

This mail to inform interested that the latest
edition of the OZ50MHz DX Bulletin #00-033 is now
uploaded at my website, at the adress;

http://www.qsl.net/oz6om/

Please have in mind that the OZ50MHz DX Bulletin
usually is uploaded late Saturday evening (UT time)

vy 73 de OZ6OM / OZ7M "Matt"

From -5260703720713215922
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a87294c0632b783,start
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 1031c8,4a87294c0632b783,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,4a87294c0632b783,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,4a87294c0632b783,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,4a87294c0632b783,start
X-Google-Attributes: gid1109af,public
From: "Frank A. Scaraglino" <fas@rtp.ericsson.se>
Subject: info: Amperex 2mtr amp
Date: 2000/08/22
Message-ID: <39A28203.4EE9BCF1@rtp.ericsson.se>#1/1
X-Deja-AN: 661128822
Content-Transfer-Encoding: 7bit
Organization: Ericsson Inc.
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.swap,rec.radio.swap,rec.ham-radio.swap

I have an Amperex solid state 2meter amp. It is 100w mobile unit
(13.8vdc)
I am looking for a schematic for this unit. Can anyone help?
Frank

ka2fwc@ipass.net

From 3558171566021028554
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,81396c97b19c5a0,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,81396c97b19c5a0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f55c2,81396c97b19c5a0,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 1031c8,81396c97b19c5a0,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,81396c97b19c5a0,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fb049,81396c97b19c5a0,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,81396c97b19c5a0,start
X-Google-Attributes: gid10ed5f,public
From: "Joe" <kb9tfh@cyberlink.com>
Subject: HT1000 Very Large Freq coverage
Date: 2000/08/22
Message-ID: <XgEo5.14360$0z2.662439@news-east.usenetserver.com>#1/1
X-Deja-AN: 661336125
X-Priority: 3

```
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
X-Complaints-To: support@usenetserver.com
Organization: WebUseNet Corp  http://www.usenetserver.com - Home of the fastest
NNTP servers on the Net.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Tue, 22 Aug 2000 19:45:59 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.ham-radio.mods,alt.ham-
radio.vhf-uhf,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.swap

4 Refurbished with new batt and charger and antenna HT1000s. These radios
are UHF and can be programed from
375-575 mhz. These radios are in brand new condition and work fabulisly.
These radio are one of a kind i will program them and sell them for 450
each...This is a deal you can not pass up.....




From 1557972218269502990
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8af51ca72c2e24d6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,8af51ca72c2e24d6,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc2a5,8af51ca72c2e24d6,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa262,8af51ca72c2e24d6,start
X-Google-Attributes: gidfa262,public
X-Google-Thread: 108778,8af51ca72c2e24d6,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 107ada,8af51ca72c2e24d6,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 115af6,8af51ca72c2e24d6,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 10ed5f,8af51ca72c2e24d6,start
X-Google-Attributes: gid10ed5f,public
From: "Mr. H" <96Intruder800@home.com>
Subject: Handheld two way and CB radios
Date: 2000/08/27
Message-ID: <H7eq5.16362$QW4.206037@news1.rdc1.mi.home.com>#1/1
X-Deja-AN: 663209768
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.mi.home.com 967405159 24.22.65.244 (Sun, 27 Aug 2000 12:39:19
PDT)
Organization: DRW
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 27 Aug 2000 12:39:19 PDT
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-
radio,rec.radio,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.a
```

mateur.misc,rec.radio.misc

Does anyone know how I can increase the distance on a Motorola two way handheld radio and a CB handheld (not yet bought)? Recommendation of name brand to make it easier is appreciated.

Thanks

From -5433998444675165327
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 115af6,8af51ca72c2e24d6
X-Google-Attributes: gid115af6,public
X-Google-Thread: 10ed5f,8af51ca72c2e24d6
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 10c9e3,8af51ca72c2e24d6
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,8af51ca72c2e24d6
X-Google-Attributes: gid108778,public
From: jamesrhampton@my-deja.com
Subject: Re: Handheld two way and CB radios
Date: 2000/08/28
Message-ID: <8oce4a$kl7$1@nnrp1.deja.com>#1/1
X-Deja-AN: 663293430
References: <H7eq5.16362$QW4.206037@news1.rdc1.mi.home.com>
X-Http-Proxy: 1.1 x54.deja.com:80 (Squid/1.1.22) for client 12.79.73.97
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Mon Aug 28 01:09:42 2000 GMT
X-MyDeja-Info: XMYDJUIDjamesrhampton
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-radio,rec.radio
X-Http-User-Agent: Mozilla/4.0 (compatible; MSIE 5.5; Windows 98; AT&T WNS5.2)

In article <H7eq5.16362$QW4.206037@news1.rdc1.mi.home.com>,
"Mr. H" <96Intruder800@home.com> wrote:

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> handheld radio and a CB handheld (not yet bought)? Recommendation of
name
> brand to make it easier is appreciated.
>
> Thanks
>

Seriously, about the only way to obtain good range with an HT is with the appropriate license and through a repeater. CB handhelds have very inefficient antenna/ground systems and also suffer the same problem that VHF/UHF transceivers have - line of sight range. Assuming using the standard square root of twice the height in feet yields the range in miles, you're only going to get a little over 3 miles to radio horizon holding the handheld 5 feet off the ground (yielding somewhat over 6 miles between HTs without a repeater. Granted, if you're on a hill top or on the second floor of your house, you get more range (also

more range to a base with an antenna up higher). But working through a repeater which will likely be on a tower on a hill, you may well be 20 miles away from the repeater and be able to use it with the HT - and the repeater will give you a good working coverage many miles beyond that - especially to higher power mobiles and/or bases. Oh, yes, you can hook them into a standard antenna on top of the roof or whatever, but then you are defeating the advantage the HT has, which is portability. Besides, most HTs can suffer from intermod - I know, I live in the city and my 440 HT is unusable on a couple of repeaters when I travel through an area a few blocks away from my house.
73s from Rochester, NY
Jim AA2QA

Sent via Deja.com http://www.deja.com/
Before you buy.

From 5371404119782967785
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98190b1e7bb4fe74,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,98190b1e7bb4fe74,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,98190b1e7bb4fe74,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,98190b1e7bb4fe74,start
X-Google-Attributes: gid108778,public
X-Google-Thread: fb049,98190b1e7bb4fe74,start
X-Google-Attributes: gidfb049,public
From: mdsmith.removethis@tir.com
Subject: Legality of Cross Band Repeating in US
Date: 2000/08/29
Message-ID: <39abd698.439771027@216.40.143.104>#1/1
X-Deja-AN: 663936007
X-Complaints-To: abuse@onemain.com
X-Trace: nntp2.onemain.com 967563599 216.40.143.104 (Tue, 29 Aug 2000 11:39:59 EDT)
Reply-To: mdsmith.removethis@tir.com
NNTP-Posting-Date: Tue, 29 Aug 2000 11:39:59 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur

Hello,

My name is Marc Smith, my call sign is KC8ORT. Last weekend I installed a new Kenwood TM-D700. Yesterday I was using the Cross-Band repeater function of it and was told by one of the maintainers of the local repeaters in my area that operating in CBR mode was illegal. Before I continue, let me explain how I was Cross-Band repeating first.

On my HT I was transmitting and receiving on a single UHF frequency. My mobile was setup to listen on UHF and retransmit anything coming in on UHF to the input of a local repeater. In reverse, it was setup to retransmit anything coming in on the output of the repeater to the UHF frequency.

I was told that because I am the control operator of the CBR station (the mobile) I have to ID every 10 minutes on the frequencies it transmits on. Because I am the control operator of my HT and the mobile Cross Band Repeater, when I ID on my HT and it is retransmitted on the Mobile, it's being retransmitted with my ID and is legal. That's not the problem. The problem came in when the CBR retransmits the output of the repeater on the UHF frequency. When it retransmits on the UHF frequency, the only ID on that transmission is the ID being transmitted on the Repeater and therefore illegal.

Is that accurate?

That is what I was told. However, after talking to other hams who I know use Cross Band Repeating, I was more confused than ever. One person said it was completely legal. Another person said it was controversial.

I am very confused on the legality of using the Cross Band Repeater function of my radio now. I am not using it as a permanent repeater installation, I am using it to extend the capabilities of my HT so when I am out of my vehicle I can access local repeaters on low power and so I can access repeaters that I can not access with my HT. Also, I work in an office building that seems to act like a big RF shield. I can not receive any repeaters in my building at all but outside I can just fine. Cross Band repeating would enable me to use the repeaters in my area from within the office building where I work. With out CBR, I am unable to access any repeaters.

Thank you for any assistance you can provide.

Marc D Smith - KC8ORT
mdsmith@tir.com

From -5673431716594419552
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98190b1e7bb4fe74
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,98190b1e7bb4fe74
X-Google-Attributes: gid108778,public
X-Google-Thread: fb049,98190b1e7bb4fe74
X-Google-Attributes: gidfb049,public

X-Google-Thread: 10ed5f,98190b1e7bb4fe74
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,98190b1e7bb4fe74
X-Google-Attributes: gidfa656,public
From: "Cap'n Crunch" <kcfamily@tir.com>
Subject: Re: Legality of Cross Band Repeating in US
Date: 2000/08/29
Message-ID: <7GRq5.40890$Pi.1251227@nntp3.onemain.com>#1/1
X-Deja-AN: 663957270
References: <39abd698.439771027@216.40.143.104>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@onemain.com
X-Trace: nntp3.onemain.com 967567107 216.40.146.192 (Tue, 29 Aug 2000 12:38:27 EDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Tue, 29 Aug 2000 12:38:27 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur

A simple fix below:........... read on.

> My name is Marc Smith, my call sign is KC8ORT. Last weekend I installed a new Kenwood TM-D700. Yesterday I was using the Cross-Band repeater function of it and was told by one of the maintainers of the local repeaters in my area that operating in CBR mode was illegal. Before I continue, let me explain how I was Cross-Band repeating first.
>
> On my HT I was transmitting and receiving on a single UHF frequency. My mobile was setup to listen on UHF and retransmit anything coming in on UHF to the input of a local repeater. In reverse, it was setup to retransmit anything coming in on the output of the repeater to the UHF frequency.

One way to avoid some of the problems you're having is to only use the UHF side of the HT transmit to your remote VHF CBR (I make the assumption that you're using a dual band HT) and use the VHF portion of your HT to listen directly to the 2m repeater.... this'll eliminate the retransmission of the repeater output on UHF (saves your base or car battery the extra wear and tear). Generally, a repeater (hi power & tall antenna) is easy to recieve on an HT, even though you might have trouble 'gettin' in' with the same HT. Use your CBR only to help you 'get in'

You should be able to set up your CBR with tone limited access and be able control it (on/off, etc) from your HT via tone as well.... if the CBR is left on without a control op present at the control point (your HT or at the base) then you probably oughta' look into an ID cicuit AND (IMPORTANT) check with your area's repeater coordination group as to what frequencies you should be using.

> I was told that because I am the control operator of the CBR station

> (the mobile) I have to ID every 10 minutes on the frequencies it
> transmits on. Because I am the control operator of my HT and the
> mobile Cross Band Repeater, when I ID on my HT and it is retransmitted
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>
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>
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>
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> function of my radio now. I am not using it as a permanent repeater
> installation, I am using it to extend the capabilities of my HT so
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> and so I can access repeaters that I can not access with my HT. Also,
> I work in an office building that seems to act like a big RF shield.
> I can not receive any repeaters in my building at all but outside I
> can just fine. Cross Band repeating would enable me to use the
> repeaters in my area from within the office building where I work.
> With out CBR, I am unable to access any repeaters.
>
>
> Thank you for any assistance you can provide.
>
>
>
>
> Marc D Smith - KC8ORT
> mdsmith@tir.com

From -5032973293059940825
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98190b1e7bb4fe74
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,98190b1e7bb4fe74
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,98190b1e7bb4fe74
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,98190b1e7bb4fe74
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb049,98190b1e7bb4fe74
X-Google-Attributes: gidfb049,public
From: mdsmith.removethis@tir.com

Subject: Re: Legality of Cross Band Repeating in US
Date: 2000/08/29
Message-ID: <39abec04.445254612@216.40.143.104>#1/1
X-Deja-AN: 663969322
References: <39abd698.439771027@216.40.143.104> <7GRq5.40890$Pi.1251227@nntp3.onemain.com>
X-Complaints-To: abuse@onemain.com
X-Trace: nntp1.onemain.com 967569203 216.40.143.104 (Tue, 29 Aug 2000 13:13:23 EDT)
Reply-To: mdsmith.removethis@tir.com
NNTP-Posting-Date: Tue, 29 Aug 2000 13:13:23 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur

On Tue, 29 Aug 2000 12:43:27 -0400, "Cap'n Crunch" <kcfamily@tir.com> wrote:

>A simple fix below:.......... read on.
>
<snip>
>
>One way to avoid some of the problems you're having is to only use the UHF
>side of the HT transmit to your remote VHF CBR (I make the assumption that
>you're using a dual band HT) and use the VHF portion of your HT to listen
>directly to the 2m repeater.... this'll eliminate the retransmission of the
>repeater output on UHF (saves your base or car battery the extra wear and
>tear).

You are correct in assuming I have a dual band HT. It's Kenwood a TH-D7A (nice HT btw). This is exactly what the guy told me last night. I understand what you are saying but I don't know how to do that with my radio. I don't expect you to know how to do it (I have a Kenwood TM-D700). If I put the mobile into Cross band mode, it automatically retransmits back to me. How do I stop it from doing that?

>Generally, a repeater (hi power & tall antenna) is easy to recieve
>on an HT, even though you might have trouble 'gettin' in' with the same HT.
>Use your CBR only to help you 'get in'

I'd still be back to square one at work. I can't even get a local radio station, let alone pick up a repeater.

>
>You should be able to set up your CBR with tone limited access and be able
>control it (on/off, etc) from your HT via tone as well.... if the CBR is
>left on without a control op present at the control point (your HT or at the
>base) then you probably oughta' look into an ID cicuit AND (IMPORTANT) check
>with your area's repeater coordination group as to what frequencies you
>should be using.

I would only be doing the cross-band from remote control. I use my HT to bring up the CBR and use it to take it down as well as control the power, freq, etc...   I would only be using the CBR when I am remote controling the mobile and only to access a repeater I can't get to with only the HT.

>
>
<snip>

```
From 1316983035873972350
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98190b1e7bb4fe74
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,98190b1e7bb4fe74
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,98190b1e7bb4fe74
X-Google-Attributes: gid108778,public
X-Google-Thread: fb049,98190b1e7bb4fe74
X-Google-Attributes: gidfb049,public
From: tleonard@my-deja.com
Subject: Re: Legality of Cross Band Repeating in US
Date: 2000/08/29
Message-ID: <8oh7e4$6b5$1@nnrp1.deja.com>#1/1
X-Deja-AN: 664039709
References: <39abd698.439771027@216.40.143.104>
<7GRq5.40890$Pi.1251227@nntp3.onemain.com> <39abec04.445254612@216.40.143.104>
X-Http-Proxy: 1.0 x71.deja.com:80 (Squid/1.1.22) for client 144.86.1.200
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Tue Aug 29 20:46:03 2000 GMT
X-MyDeja-Info: XMYDJUIDtleonard
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio
X-Http-User-Agent: Mozilla/4.75 [en] (WinNT; U)
```

  1) Go to WWW.ARRL.ORG
  2) Click SEARCH.
  3) Enter Cross-band.

The third link is an article by Bob Witmer, W3RW, entitled "Crossband-Repeater Operation" which fully explains various configurations as well as what is legal.

In article <39abec04.445254612@216.40.143.104>,
  mdsmith.removethis@tir.com wrote:
> On Tue, 29 Aug 2000 12:43:27 -0400, "Cap'n Crunch" <kcfamily@tir.com>

> wrote:
>
> >A simple fix below:........... read on.
> >
> <snip>
> >
> >One way to avoid some of the problems you're having is to only use
the UHF
> >side of the HT transmit to your remote VHF CBR (I make the assumption
that
> >you're using a dual band HT) and use the VHF portion of your HT to
listen
> >directly to the 2m repeater.... this'll eliminate the retransmission
of the
> >repeater output on UHF (saves your base or car battery the extra wear
and
> >tear).
>
> You are correct in assuming I have a dual band HT. It's Kenwood a
> TH-D7A (nice HT btw). This is exactly what the guy told me last
> night. I understand what you are saying but I don't know how to do
> that with my radio. I don't expect you to know how to do it (I have a
> Kenwood TM-D700). If I put the mobile into Cross band mode, it
> automatically retransmits back to me. How do I stop it from doing
> that?
>
> >Generally, a repeater (hi power & tall antenna) is easy to recieve
> >on an HT, even though you might have trouble 'gettin' in' with the
same HT.
> >Use your CBR only to help you 'get in'
>
> I'd still be back to square one at work. I can't even get a local
> radio station, let alone pick up a repeater.
>
> >
> >You should be able to set up your CBR with tone limited access and be
able
> >control it (on/off, etc) from your HT via tone as well.... if the CBR
is
> >left on without a control op present at the control point (your HT or
at the
> >base) then you probably oughta' look into an ID cicuit AND
(IMPORTANT) check
> >with your area's repeater coordination group as to what frequencies
you
> >should be using.
>
> I would only be doing the cross-band from remote control. I use my HT
> to bring up the CBR and use it to take it down as well as control the
> power, freq, etc...   I would only be using the CBR when I am remote
> controling the mobile and only to access a repeater I can't get to
> with only the HT.
>

```
> >
> >
> <snip>
>
```

Sent via Deja.com http://www.deja.com/
Before you buy.

```
From 9117927180337265728
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98190b1e7bb4fe74
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,98190b1e7bb4fe74
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,98190b1e7bb4fe74
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,98190b1e7bb4fe74
X-Google-Attributes: gid108778,public
From: Ralph Mowery <rmowery@dialpoint.net>
Subject: Re: Legality of Cross Band Repeating in US
Date: 2000/08/29
Message-ID: <39AC2F2C.62401753@dialpoint.net>
X-Deja-AN: 664093289
Content-Transfer-Encoding: 7bit
References: <39abd698.439771027@216.40.143.104>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: news1.i1.net 967588840 216.189.43.28 (Tue, 29 Aug 2000 17:40:40 CDT)
MIME-Version: 1.0
NNTP-Posting-Date: Tue, 29 Aug 2000 17:40:40 CDT
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio
```

The part below was from an issue of QST. Not sure how current the rules are.
One thing about the cross band repeat is that you do not have a way of cutting off the transmitter from where you are.

Q: How can I make my station into a crossband repeater?
A: Modern dualband or triband VHF/UHF rigs often have the capability of crossband operation. When operating in this mode, the users may call them "crossband repeaters. Actually they are often "remote bases," such as when they are used to allow an operator with a hand-held radio to access a repeater from a location where he or she would normally not be able to do so.

A "crossband repeater" (or "portable remote base") operation is okay as long as several conditions are met:

(1) The user communicates with his crossband rig via the UHF side. Since this serves as the control and voice uplink, it is a form of auxiliary operation and must be conducted on authorized auxiliary frequencies above 222.15 MHz. Since the operator is the control operator, that person must actually be able to control the station! That person must be able to turn it off locally or remotely if a problem develops. If it can't be controlled, it's not legal [97.7, 97.201, 97.213]!

(2) If the control link fails, the remote station must shut down within three minutes, which means a 3-minute timer is required [97.213].

(3) The unattended station must be identified on all frequencies on which it transmits. Since this is a type of remote base, the users who identify over the UHF uplink to the dualband radio also serve to identify the VHF output of the mobile fig. In the other direction, however, there is no way for the control operator to identify the UHF downlink from the mobile remote base, so some form of automatic identification must be employed [97.119]. Unfortunately, few manufacturers include the capabilities listed above in their figs. Hence, to be fully legal, some form of add-on controller may be necessary.

Another use for crossband operation is to link together two existing repeaters on different bands, usually done on a temporary basis during an emergency, a drill or a special event. The rules above apply.

In both examples cited above, the control requirement can be satisfied by having a control operator at the station, thus making it a locally controlled station. Although this may not always be convenient, it is a way to satisfy all of the station control requirements.

Q: Should I contact my frequency coordinator even if my crossband repeater is temporary?

A: Yes, because you might be transmitting on a repeater input (or a link or control frequency for some unknown repeater) and you could unknowingly cause interference.

Contact your local frequency coordinator for a recommendation as to what frequencies to use. Many coordinators have set aside frequency pairs that are designated specifically for temporary, portable or emergency repeaters. For the name and address of your frequency coordinator, see the latest edition of The ARRL Repeater Directory or check the listing on the ARRL Web page at: http:/Iwww.arrl.orglfleldl reguiationslfreqcoord.html.

Q: What are ancillary functions?
A: They are user functions. The FCC makes a distinction between functions which the repeater users can perform on the repeater input (activating a crossband link, getting a weather or time-of-day report, or making a phone call via the autopatch, for example), and those primary control functions reserved exclusively for the control operators in effecting basic control of the station. The rules state that "ancillary (which also means "secondary") functions" of a repeater that are available to users on the input channel are not considered remotely controlled functions of the station" [97.205(e)]. These "user" functions are conducted on the repeater's input frequency. However, the primary control functions (turning the repeater on or offl for example) must be performed via the repeater' 5 primary control system which is separate from the input frequency. By the way, there is nothing to prevent implementing some form of "emergency backup" means to shut down a repeater via its regular input frequency, as long as the turn-on function can only be performed via the pflmary control system.

Q: Are "closed" repeaters legal?
A: Yes. The FCC even says so in Part 97 in stating "...Limiting the use of a repeater to only certain users is permissible" [97.205(e)]. Just because a repeater may use some form of coded access, such as CTCSS, does not necessarily mean that it is a "closed" repeater. Many 'open" repeaters employ coded access to eliminate or reduce various types of interference, not to restrict who is welcome to use the machine.

Also, there is no FCC rule that requires a repeater' 5 licensee or sponsor to build a repeater or allow use by other operators. A repeater is not a public utility-you don't have a "fight" to use it. If you use that station in a manner that the owner finds objectionable, for whatever reason, that person has every right to revoke your privilege of using it!

Q: What other Part 97 rules concerning repeaters should I be aware of?
A: Amateurs should know that:

(1) Novices can't operate as repeater stations [97.205(a)].

(2) Repeaters may operate on any frequency authofized to the Amateur Radio Service above 29.5 MHz except for 50.0 - 51.0, 144.0 - 144.5, 145.5 - 146.0, 222.0 - 222.15, 431 - 433 and 435 - 438 MHz [97.205(b)]. Note that these frequencies include both the input and output frequencies of all repeaters [97.205(b)].

(3) Two repeater licensees must work together to solve an interference problem between the repeaters, unless one repeater is coordinated and the other is not. The licensee of an uncoordinated repeater bears the primary responsibility for solving an interference problem. This is the FCC's way ofrecognizing and encouraging repeater sponsors participation in local or regional frequency coordination programs [97.205(c)].

(4) If the control operator is someone other than the licensee, both are equally responsible for the proper operation of the station [97.103(a)].

(5) The licensee arid control operator(s) of a repeater that inadvertently retransmits communications that violate the rules in Part 97 are not normally held accountable for the violative communications [97.205(g)]. However, they will be held accountable if they become aware of the illegal communications and allow them to continue, because they are no longer "inadvertent." They must make an effort to prevent such communications from continuing.

Q: Are the rules for simplex repeaters the same as duplex repeaters?
A: A "simplex repeater" is not a repeater according to the FCC. It does not simultaneously retransmit the signals of another

station and it might not retransmit the signals on a different channel or channels, as specified in the FCC's definition of a repeater. Since it isn't a repeater, such a device cannot be operated under automatic control. If a control operator is present and controlling the device, either by local or remote control, then it can be used, but U cannot be left unattended! On the other hand, it is not limited by the other repeat rules, such as specific repeater frequenc limitations. Auxiliary stations must contr the simplex repeater and control must conducted on frequencies authorized f auxiliary operation (above 222.15 MM except 431 to 433 and 435 to 438 MHz).

Special thanks to Gary Hendnckso W3DTN, chairman of the Mid-AtlanticR peater Council's Open Band Planrn' Committee, for his assistance with this C umn. As the TMARC coordinator for years, Gary is a recognized expert in field ofrepeater coordination and corn repeater operations.

mdsmith.removethis@tir.com wrote:
>
> Hello,
>
> My name is Marc Smith, my call sign is KC8ORT. Last weekend I
> installed a new Kenwood TM-D700. Yesterday I was using the Cross-Band
> repeater function of it and was told by one of the maintainers of the
> local repeaters in my area that operating in CBR mode was illegal.
> Before I continue, let me explain how I was Cross-Band repeating
> first.
>

From 430509194063897733
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98190b1e7bb4fe74
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,98190b1e7bb4fe74
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,98190b1e7bb4fe74
X-Google-Attributes: gid108778,public
X-Google-Thread: fb049,98190b1e7bb4fe74
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,98190b1e7bb4fe74

X-Google-Attributes: gid10ed5f,public
From: "Mike Yetsko" <joe@user.com>
Subject: Re: Legality of Cross Band Repeating in US
Date: 2000/08/29
Message-ID: <sqokn151c5d32@corp.supernews.com>#1/1
X-Deja-AN: 664123650
References: <39abd698.439771027@216.40.143.104>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: newsabuse@supernews.com
Organization: Posted via Supernews, http://www.supernews.com
X-MSMail-Priority: Normal
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur

Other people have already addressed two issues. First the ID, and
yes, you must ID on BOTH frequencies you transmit on. And since
the car won't retransmit in BOTH directions at the same time....

The other is AUX operation. Which means that you cannot be the
'control operator' and be remote on a frequency below I think 222.

But as you've discovered, the CBR funtion isn't really proper for
repeater access, except in one direction. Once the radio powers
up receiving a 'far' station, and it's sending it to you locally, you
CANNOT break back in until the repeater stops and your CBR
radio then goes idle. Not good. Not practical.

But CBR makes a GREAT one way setup. Or even park a car
somewhere to act as a local 'receiver' kind of thing...

Mike

<mdsmith.removethis@tir.com> wrote in message
news:39abd698.439771027@216.40.143.104...

> Hello,
>
> My name is Marc Smith, my call sign is KC8ORT. Last weekend I
> installed a new Kenwood TM-D700. Yesterday I was using the Cross-Band
> repeater function of it and was told by one of the maintainers of the
> local repeaters in my area that operating in CBR mode was illegal.
> Before I continue, let me explain how I was Cross-Band repeating
> first.
>
> On my HT I was transmitting and receiving on a single UHF frequency.
> My mobile was setup to listen on UHF and retransmit anything coming in
> on UHF to the input of a local repeater. In reverse, it was setup to
> retransmit anything coming in on the output of the repeater to the UHF
> frequency.
>
> I was told that because I am the control operator of the CBR station
> (the mobile) I have to ID every 10 minutes on the frequencies it

> transmits on. Because I am the control operator of my HT and the
> mobile Cross Band Repeater, when I ID on my HT and it is retransmitted
> on the Mobile, it's being retransmitted with my ID and is legal.
> That's not the problem. The problem came in when the CBR retransmits
> the output of the repeater on the UHF frequency. When it retransmits
> on the UHF frequency, the only ID on that transmission is the ID being
> transmitted on the Repeater and therefore illegal.
>
> Is that accurate?
>
> That is what I was told. However, after talking to other hams who I
> know use Cross Band Repeating, I was more confused than ever. One
> person said it was completely legal. Another person said it was
> controversial.
>
> I am very confused on the legality of using the Cross Band Repeater
> function of my radio now. I am not using it as a permanent repeater
> installation, I am using it to extend the capabilities of my HT so
> when I am out of my vehicle I can access local repeaters on low power
> and so I can access repeaters that I can not access with my HT. Also,
> I work in an office building that seems to act like a big RF shield.
> I can not receive any repeaters in my building at all but outside I
> can just fine. Cross Band repeating would enable me to use the
> repeaters in my area from within the office building where I work.
> With out CBR, I am unable to access any repeaters.
>
>
> Thank you for any assistance you can provide.
>
>
>
>
> Marc D Smith - KC8ORT
> mdsmith@tir.com

From -7596284519477686690
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 108228,3bf47e11529359dd,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,3bf47e11529359dd,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,3bf47e11529359dd,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 1109af,3bf47e11529359dd,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,3bf47e11529359dd,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2000-08-31 08:57:47 PST
Path: supernews.google.com!sn-xit-02!supernews.com!ihug.co.nz!nntp.flash.net!

news.flash.net!not-for-mail
From: "Amateur Radio Operator KC4OXP" <kc4oxp@flash.net>
Newsgroups: alabama.birmingham.radio.amateur,alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap
Subject: FS: HEIL PRO-5 Single Sided Boomset
Lines: 41
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2314.1300
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
Message-ID: <Ffvr5.1943$qO1.142602@news.flash.net>
Date: Thu, 31 Aug 2000 15:57:25 GMT
NNTP-Posting-Host: 216.215.96.243
X-Complaints-To: abuse@flash.net
X-Trace: news.flash.net 967737445 216.215.96.243 (Thu, 31 Aug 2000 10:57:25 CDT)
NNTP-Posting-Date: Thu, 31 Aug 2000 10:57:25 CDT
Organization: FlashNet Communications, http://www.flash.net
Xref: supernews.google.com alabama.birmingham.radio.amateur:26 alt.ham-radio.marketplace:370 rec.radio.swap:4076

I still have the headset for sale. Price lowered! Information below taken directly off the Heil website. This is new, used only 1 time. $90.00 Shipped! Email DIRECTLY if interested.

73 Daniel KC4OXP
kc4oxp@flash.net

Pro 5 Single-sided Headsets

Pro 5 is designed to answer the many requests for a single-sided Boomset. The Pro Series Boomsets are designed to meet the high standards of the most critical Multi-Op Contester stations and DX chasers.

This Boomset allows the operator to monitor other radios during operation.

Features
Lightweight, comfortable headset
Fully flexible single-sided Boom
The ear pad is heavily stuffed and covers the entire ear
Seals out noise
Pad is removable for washing
Replacement pad available (See Accessory Page)
Specifications
Operational characteristics
Microphone works in VOX or P.T.T. modes
Boom comes equipped with your choice of Heil "Key Element" microphone cartridge (AD-1 adapter needed).

Design characteristic
Flexible material that makes mic placement virtually unlimited
Boom swivels up for travel, storage or headphone use only.
The headband has d�tentes on each side for adjustment and padded for comfort.

From -1968589364058919176
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98190b1e7bb4fe74
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,98190b1e7bb4fe74
X-Google-Attributes: gid108778,public
X-Google-Thread: fb049,98190b1e7bb4fe74
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,98190b1e7bb4fe74
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,98190b1e7bb4fe74
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2000-08-31 12:07:19 PST
Path: supernews.google.com!sn-xit-02!sn-east!supernews.com!news.maxwell.syr.edu!newsfeed.cwix.com!sat.cyberhighway.net!news.cyberhighway.net!not-for-mail
From: Tate <73KC7ZRU73@cyberhighway.net>
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur
Subject: Re: Legality of Cross Band Repeating in US
Date: Thu, 31 Aug 2000 12:56:07 -0600
Organization: The Coalition Against Unsolicited Commercial Email -
 http://www.cauce.org
Lines: 31
Message-ID: <39AEAA47.CD453FA4@cyberhighway.net>
References: <39abd698.439771027@216.40.143.104>
Reply-To: stop.SPAM.now@cyberhighway.net
NNTP-Posting-Host: 209.151.32.150
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: news.cyberhighway.net 967748793 32340 209.151.32.150 (31 Aug 2000 19:06:33 GMT)
X-Complaints-To: news@cyberhighway.net
NNTP-Posting-Date: 31 Aug 2000 19:06:33 GMT
X-Mailer: Mozilla 4.74 [en] (Win98; U)
X-Accept-Language: en,pdf
Xref: supernews.google.com alt.ham-radio.vhf-uhf:391

OK, I'm winging this from sketchy memory and with a way tired brain cell or two (read: may not be a question worth asking at all)

With the recent denial by the FCC of the Kenwood petition to allow their Sky Command System, saying essentially that since results of the remote operations would be perceived by the control op via the 2m side of things, 2m was part of the control link and hence illegal, aren't these 2m/70cm CBRs now in question?

****

As to the other replies, they're pretty much the same when I asked a similar question a couple years ago. To ID everything, I switch my HT to 2m, same freq as the CBR's 'input', and give my call. This ID's my HT on 2m, as well as my CBR on 70cm. I can verify by hearing myself on the 70cm 'half' of my HT. Switch the HT back to 70cm and continue on. Bit of a pain, but it gets the job done. Turns out I've put more energy into making my 2m HT reach the repeaters direct instead of 'toying up' my mobile rig.

73

--

```
              Laramie, WY   |    UARC Repeater
                DN71eh      |      146.610
                     ICQ/ICU# 82711454
  "The Dungeon" online at http://www.usurf.net/~tateb
            "RTFM" is NOT a 'four letter' word!
 To use the email addy in the header, get rid of the 73s
```

```
From -6390791266627778610
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98190b1e7bb4fe74
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,98190b1e7bb4fe74
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,98190b1e7bb4fe74
X-Google-Attributes: gid108778,public
X-Google-Thread: fb049,98190b1e7bb4fe74
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa656,98190b1e7bb4fe74
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2000-09-01 05:42:49 PST
Path: supernews.google.com!sn-xit-02!sn-east!supernews.com!feed2.onemain.com!
feed1.onemain.com!nntp2.onemain.com.POSTED!not-for-mail
From: mdsmith@removerthisanitspam.tir.com (Marc D Smith)
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur
Subject: Re: Legality of Cross Band Repeating in US
Reply-To: mdsmith@removethisantispam.tir.com
Message-ID: <39af9a07.686409735@216.40.143.96>
References: <39abd698.439771027@216.40.143.104>
X-Newsreader: Forte Free Agent 1.21/32.243
Lines: 102
Date: Fri, 01 Sep 2000 12:37:13 GMT
```

```
NNTP-Posting-Host: 216.40.143.96
X-Complaints-To: abuse@onemain.com
X-Trace: nntp2.onemain.com 967812039 216.40.143.96 (Fri, 01 Sep 2000 08:40:39 EDT)
NNTP-Posting-Date: Fri, 01 Sep 2000 08:40:39 EDT
Xref: supernews.google.com alt.ham-radio.vhf-uhf:405
```

Along with posting to these newsgroups I sent an email to the ARRL and posed the same question to them. Here is their response.

Dear Marc,

Your assumptions are correct. It is critical that all amateur links must be identified. Cross band repeaters can be used legally under certain circumstances. I have attached the information from the FCC Rule Book which may be useful to you. 73,

John C. Hennessee, N1KB
Field and Educational Services Department
ARRL--the National Association for Amateur Radio
225 Main St.
Newington, CT 06111
Tel: 860-594-0236
E-mail: n1kb@arrl.org <mailto:n1kb@arrl.org>
Web: http://www.arrl.org/field/regulations/

Making Your Station a "Crossband Repeater" [2]

Modern dualband or tri-band VHF/UHF rigs often have the capability to do crossband linking. When operating in this mode, the users may call them "crossband repeaters." Actually they are often remote bases, such as when they are used to allow an operator with a hand-held radio to access a repeater from a location where he or she would normally not be able to do so. For example, a hiker in a remote location might leave his car where his dual-band mobile rig can access a distant 2-meter repeater. Leaving the mobile rig on, he then takes his UHF H-T with him, and can access the 2-meter repeater via his mobile rig.

Making It Legal

A crossband repeater (or "portable remote base") is okay as long asseveral conditions are met:

1) The user communicates with his crossband rig via the UHF side. Since this serves as his control and voice uplink, it is a form of auxiliary operation and must be conducted on authorized auxiliary frequencies above 222.15 MHz. Since the operator is the control operator, that person must actually be able to control the station! That person must be able to turn it off remotely if a problem develops. If he can't control it, it's not legal [97.7, 97.201, 97.213]!

2) If the control link fails, the remote station must shut down within three minutes which means a 3-minute timer is required [97.213].

3) The unattended station must be identified on all

frequencies it transmits on. Since this is a form of remote base, the user's ID over the UHF uplink to the dualband radio also serves to ID the VHF output of the mobile rig. In the other direction, however, there is no way for the control operator to ID the UHF downlink from the mobile remote base, so some form of automatic ID must be employed [97.119].

Unfortunately, few manufacturers include the capabilities listed above in their rigs. Hence, to be fully legal, some form of add-on controller may be necessary.

Another use for crossband operation is to link together two existing repeaters on different bands. This is usually done on a temporary basis during an emergency, a drill or a special event. Again, the requirements for proper station identification and control on both sides of the dualband radio's transmissions still apply. If both the VHF and UHF transmitters are not properly identified and controlled, the operation is not legal.

In both examples cited above, the control requirement can be satisfied by having a control operator at the station, thus making it a locally controlled station. Although this may not always be convenient, it is a way to satisfy all of the station control requirements.

Contact your Frequency Coordinator First [2]

One other thing--when setting up your "crossband repeater," or portable "remote base," don't just plop down on just any old UHF frequency which appears to be "vacant!" It might be a repeater input, or a link or control frequency for some unknown repeater. The UHF output from your mobile rig might cause severe interference to someone else's coordinated operations, and you wouldn't be aware of it. Contact your local frequency coordinator for a recommendation as to what frequencies to use. Many coordinators have set aside frequency pairs which are designated specifically for temporary, portable or emergency repeaters. For the name and address of your frequency coordinator, see the latest edition of The ARRL Repeater Directory or check the listing on the ARRL Web page at: http://www.arrl.org/field/regulations/freqcoord.html.

Relaying Signals in a Repeater System [2]

Having the repeater's receiver and transmitter at one site can cause problems. These problems can often be solved with filters and duplexers, but an alternative is to separate the transmitter and receiver using a link between the two sites. Since filters and duplexers for 10 and 6 meters can be quite large and expensive, many repeaters on these bands use the "split-site" technique whereby a dedicated wire line or an auxiliary link on a band above 222.15 MHz is used to relay signals from the receiver to the transmitter. The latter is shown in Figure 2.

Some repeaters even have multiple remote receivers to expand or improve their receiving coverage. The signals from each of these remote receivers are then relayed on auxiliary frequencies back to the repeater transmitter site where a "voter" selects the best signal to be retransmitted. Note that every one of these auxiliary transmitters must be properly controlled, just like the main repeater transmitter.

They cannot just be plopped down somewhere out in the "boonies" and left to fend for themselves!

```
From 7590801646006754418
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98190b1e7bb4fe74
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,98190b1e7bb4fe74
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,98190b1e7bb4fe74
X-Google-Attributes: gidfb049,public
X-Google-ArrivalTime: 2000-09-02 16:00:22 PST
Path: supernews.google.com!sn-xit-02!sn-east!supernews.com!news-
feed.riddles.org.uk!newsengine.sol.net!hermes.visi.com!news-out.visi.com!
news.maxwell.syr.edu!nntp2.deja.com!nnrp1.deja.com!not-for-mail
From: system66@my-deja.com
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,rec.ham-radio
Subject: Questions on Johnson 800mhz 2-way Radios
Date: Sat, 02 Sep 2000 22:45:05 GMT
Organization: Deja.com - Before you buy.
Lines: 42
Message-ID: <8orvte$hdc$1@nnrp1.deja.com>
References: <39abd698.439771027@216.40.143.104>
<39AEAA47.CD453FA4@cyberhighway.net>
NNTP-Posting-Host: 207.208.141.122
X-Article-Creation-Date: Sat Sep 02 22:45:05 2000 GMT
X-Http-User-Agent: Mozilla/4.0 (compatible; MSIE 4.01; Windows 95)
X-Http-Proxy: 1.1 x59.deja.com:80 (Squid/1.1.22) for client 207.208.141.122
X-MyDeja-Info: XMYDJUIDsystem66
Xref: supernews.google.com alt.ham-radio.vhf-uhf:430
```

Hi, i'm thinking of getting a couple Johnson 800mhz 2-way radios, but I don't know anything about 800mhz radios, so I thought i'd ask the experts. I'd appreciate any advice on this subject.

To me, these 800mhz radios seem like CB radios, but are more like Ham radios in that they are powerful, 50-150 miles. But, I think you need to access repeaters to use them like with Ham radio. But you don't need a license for 800mhz radios? These radios are also cheap compared to getting a couple Ham radios.

Please correct me if i'm wrong, as I don't want to buy these and not be able to use them. I would like to get a couple to use in the cars, and maybe one for home as a base. Is this possible or am I wrong about all this?

Thank you!

-

Sent via Deja.com http://www.deja.com/
Before you buy.

From -6591407312867314132
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8af51ca72c2e24d6
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa262,8af51ca72c2e24d6
X-Google-Attributes: gidfa262,public
X-Google-Thread: 108778,8af51ca72c2e24d6
X-Google-Attributes: gid108778,public
X-Google-Thread: 108122,8af51ca72c2e24d6
X-Google-Attributes: gid108122,public
X-Google-Thread: fc2a5,8af51ca72c2e24d6
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 10ed5f,8af51ca72c2e24d6
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,8af51ca72c2e24d6
X-Google-Attributes: gid107ada,public
X-Google-Thread: 115af6,8af51ca72c2e24d6
X-Google-Attributes: gid115af6,public
X-Google-ArrivalTime: 2000-09-05 13:07:41 PST
Path: supernews.google.com!sn-xit-02!sn-east!sn-xit-03!supernews.com!newsfeed.berkeley.edu!ucberkeley!howland.erols.net!cyclone2.usenetserver.com!news-out.usenetserver.com!news01.optonline.net!news02.optonline.net.POSTED!not-for-mail
Reply-To: "nybobcat" <nybobcat@optonline.net>
From: "nybobcat" <nybobcat@optonline.net>
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-radio,rec.radio,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.misc
References: <H7eq5.16362$QW4.206037@news1.rdc1.mi.home.com>
Subject: Re: Handheld two way and CB radios
Lines: 15

```
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.3018.1300
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.3018.1300
Message-ID: <6oct5.1789$he5.18651@news02.optonline.net>
Date: Tue, 05 Sep 2000 20:07:30 GMT
NNTP-Posting-Host: 24.189.57.174
X-Trace: news02.optonline.net 968184450 24.189.57.174 (Tue, 05 Sep 2000 16:07:30
EDT)
NNTP-Posting-Date: Tue, 05 Sep 2000 16:07:30 EDT
Organization: Optimum Online
Xref: supernews.google.com rec.radio.amateur.equipment:1695
rec.radio.amateur.homebrew:729 rec.radio.amateur.misc:1948

If you get a cb handheld that can hook up to a base antenna you should get
out better than the built in antenna or rubber duck.


"Mr. H" <96Intruder800@home.com> wrote in message
news:H7eq5.16362$QW4.206037@news1.rdc1.mi.home.com...
> Does anyone know how I can increase the distance on a Motorola two way
> handheld radio and a CB handheld (not yet bought)? Recommendation of name
> brand to make it easier is appreciated.
>
> Thanks
>
>





From 1830141461442658681
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,6852cd08348ae08c,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,6852cd08348ae08c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,6852cd08348ae08c,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,6852cd08348ae08c,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 2000-09-06 00:23:52 PST
Path: supernews.google.com!sn-xit-02!sn-east!supernews.com!news-
feed.riddles.org.uk!newsfeed.direct.ca!look.ca!news3.bellglobal.com!
nf2.bellglobal.com!news20.bellglobal.com.POSTED!not-for-mail
From: "Darren King" <darren.king@sympatico.ca>
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur.equipment
Subject: HT750 Programming Help?
Lines: 10
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
```

```
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <6imt5.236487$1h3.4416469@news20.bellglobal.com>
Date: Wed, 06 Sep 2000 07:23:46 GMT
NNTP-Posting-Host: 216.209.49.236
X-Trace: news20.bellglobal.com 968225026 216.209.49.236 (Wed, 06 Sep 2000 03:23:46
EDT)
NNTP-Posting-Date: Wed, 06 Sep 2000 03:23:46 EDT
Organization: Sympatico
Xref: supernews.google.com alt.ham-radio.marketplace:478
rec.radio.amateur.equipment:1729
```

I have a HT750 Motorola VHF 16 Ch Radio and when I want to talk with someone else's radio I have to reprogram, but I've been over the Motorola website and check many sites on the web and couldn't figure out what I need. I found Pin out diagrams for the connector, but thats really not enough. If somebody has the software or could tell me where to get it I would greatly appreciate it.

Darren

```
From -2482640851289371972
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,594e66246880edbb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,594e66246880edbb,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,594e66246880edbb,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,594e66246880edbb,start
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2000-09-10 13:00:31 PST
Path: supernews.google.com!sn-xit-02!sn-east!supernews.com!news-
feed.riddles.org.uk!newsfeed.direct.ca!look.ca!howland.erols.net!
newshub2.home.com!news.home.com!news1.rdc2.on.home.com.POSTED!not-for-mail
From: "VA3KC" <va3kc@home.com>
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.misc
Subject: Mixed Blessing
Lines: 18
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2615.200
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Message-ID: <gLRu5.53373$i5.2297530@news1.rdc2.on.home.com>
Date: Sun, 10 Sep 2000 20:00:12 GMT
NNTP-Posting-Host: 24.68.44.4
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.on.home.com 968616012 24.68.44.4 (Sun, 10 Sep 2000 13:00:12
PDT)
NNTP-Posting-Date: Sun, 10 Sep 2000 13:00:12 PDT
```

Organization: Excite@Home - The Leader in Broadband
Xref: supernews.google.com rec.radio.amateur.antenna:4221 rec.radio.amateur.misc:2198

Hello,

I'm am recently the proud owner of a 70' free-standing tower and a Mosley Pro57B. I've been working up to this installation for years and I'm having a blast! Unfortunately, so are the local birds and my cedar deck is now covered in bird crap!

I'd appreciate some helpful hints from anyone who has solved this problem!

Many thanks in advance...

Casey
VA3KC
va3kc@home.com

From -9171370937542021827
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,594e66246880edbb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,594e66246880edbb
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,594e66246880edbb
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,594e66246880edbb
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2000-09-10 13:12:56 PST
Path: supernews.google.com!sn-xit-02!sn-east!supernews.com!news-feed.riddles.org.uk!arclight.uoregon.edu!vixen.cso.uiuc.edu!howland.erols.net!newshub2.home.com!news.home.com!news2.rdc1.on.home.com.POSTED!not-for-mail
From: "Barry D" <x123x123@yahoo.com>
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.misc
References: <gLRu5.53373$i5.2297530@news1.rdc2.on.home.com>
Subject: Re: Mixed Blessing
Lines: 33
Organization: None to speak of
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.00.2314.1300
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
Message-ID: <9XRu5.166300$c5.4222546@news2.rdc1.on.home.com>
Date: Sun, 10 Sep 2000 20:12:53 GMT
NNTP-Posting-Host: 24.141.178.193
X-Complaints-To: abuse@home.net

```
X-Trace: news2.rdc1.on.home.com 968616773 24.141.178.193 (Sun, 10 Sep 2000
13:12:53 PDT)
NNTP-Posting-Date: Sun, 10 Sep 2000 13:12:53 PDT
Xref: supernews.google.com rec.radio.amateur.antenna:4222
rec.radio.amateur.misc:2200
```

VA3KC <va3kc@home.com> wrote in message
news:gLRu5.53373$i5.2297530@news1.rdc2.on.home.com...

> Hello,
>
> I'm am recently the proud owner of a 70' free-standing tower and a Mosley
> Pro57B. I've been working up to this installation for years and I'm having
> a blast! Unfortunately, so are the local birds and my cedar deck is now
> covered in bird crap!
>
> I'd appreciate some helpful hints from anyone who has solved this problem!
>
> Many thanks in advance...
>
> Casey
> VA3KC
> va3kc@home.com

Hi Casey,

I talk on VE3MOT all the time and certainly appreciate the fine job you have done keeping that machine on the air! I too have had to deal with of bird poop. Go to Home Depot and rent a power washer and clean up the bird dung. Next try a plastic owl up there on the tower that should help.   If they get use to the owl then put vaseline on the parts they are sitting on and they will not like that to much.
Usually the Owl works.

Barry
VA3BJD

```
From -1245199612355133655
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,594e66246880edbb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,594e66246880edbb
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,594e66246880edbb
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,594e66246880edbb
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2000-09-10 13:27:46 PST
Path: supernews.google.com!sn-xit-02!sn-east!supernews.com!news-
```

feed.riddles.org.uk!newsfeed.direct.ca!look.ca!newsfeed.berkeley.edu!ucberkeley!cyclone.swbell.net!nnrp3.sbc.net.POSTED!not-for-mail
From: "BD" <bodu@pobox.com>
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.misc
References: <gLRu5.53373$i5.2297530@news1.rdc2.on.home.com>
Subject: Re: Mixed Blessing
Lines: 24
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-Mimeole: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <49Su5.221$%f1.57746@nnrp3.sbc.net>
Date: Sun, 10 Sep 2000 15:26:36 -0500
NNTP-Posting-Host: 64.217.147.38
X-Complaints-To: abuseswbell.net
X-Trace: nnrp3.sbc.net 968617664 64.217.147.38 (Sun, 10 Sep 2000 15:27:44 CDT)
NNTP-Posting-Date: Sun, 10 Sep 2000 15:27:44 CDT
Organization: SBC Internet Services
Xref: supernews.google.com rec.radio.amateur.antenna:4227 rec.radio.amateur.misc:2202

Do what the biz's have done around here.. Get plastic owls.. Once they are put up, there is no on-going cost or labor, as with just about any other solution, and they seem to work pretty well..

Hmm.. My place-of-work actually just got a couple beach-balls with giant owl-eyes on 'em which worked just as well, but didn't stay aired up for very long, which would seem to indicate that just about anything might work, just in case you can't find the plastic owls.. Possibly just plaques on each side of the tower with the owl-eyes painted on or something similar..
Be careful, tho.. Might get some religious org after you for putting giant eyes up there.. ;)

"VA3KC" <va3kc@home.com> wrote in message news:gLRu5.53373
>
> I'm am recently the proud owner of a 70' free-standing tower and a Mosley
> Pro57B. I've been working up to this installation for years and I'm
having
> a blast! Unfortunately, so are the local birds and my cedar deck is now
> covered in bird crap!
>
> I'd appreciate some helpful hints from anyone who has solved this problem!

From 5275359435065318543
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,594e66246880edbb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,594e66246880edbb

```
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,594e66246880edbb
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,594e66246880edbb
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2000-09-10 16:20:24 PST
Path: supernews.google.com!sn-xit-02!supernews.com!sn-inject-01!
corp.supernews.com!not-for-mail
From: 'Doc <w5lz@oio.net>
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.misc
Subject: Re: Mixed Blessing
Date: Sun, 10 Sep 2000 18:14:14 -0500
Organization: Posted via Supernews, http://www.supernews.com
Lines: 3
Message-ID: <39BC15C6.AACEDA41@oio.net>
References: <gLRu5.53373$i5.2297530@news1.rdc2.on.home.com>
X-Complaints-To: newsabuse@supernews.com
X-Mailer: Mozilla 4.73 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Xref: supernews.google.com rec.radio.amateur.antenna:4250
rec.radio.amateur.misc:2213

Casey,
    Try the owl.  Might also try a snake, heard of that working too.
                         'Doc


From 4863181456505700079
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,594e66246880edbb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,594e66246880edbb
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,594e66246880edbb
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,594e66246880edbb
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2000-09-10 16:26:58 PST
Path: supernews.google.com!sn-xit-02!sn-east!supernews.com!news-
feed.riddles.org.uk!freenix!codeine.org!diablo.netcom.net.uk!netcom.net.uk!
tank.news.pipex.net!pipex!zur.uu.net!nyc.uu.net!sac.uu.net!news.aros.net!not-for-
mail
From: Keith Wood <kw@bctv.com>
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.misc
Subject: Re: Mixed Blessing
Date: Mon, 11 Sep 2000 01:31:31 +0100
Organization: Brass Cannon Productions
Lines: 17
```

```
Message-ID: <39BC27E3.BA8A713E@bctv.com>
References: <gLRu5.53373$i5.2297530@news1.rdc2.on.home.com>
Reply-To: kw@bctv.com
NNTP-Posting-Host: dsl-63-87-116-21.dsl.aros.net
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: news.aros.net 968628415 39718 63.87.116.21 (10 Sep 2000 23:26:55 GMT)
X-Complaints-To: news@aros.net
NNTP-Posting-Date: 10 Sep 2000 23:26:55 GMT
X-Mailer: Mozilla 4.75 [en] (Win98; U)
X-Accept-Language: en
Xref: supernews.google.com rec.radio.amateur.antenna:4251
rec.radio.amateur.misc:2215
```

VA3KC wrote:

>
> Hello,
>
> I'm am recently the proud owner of a 70' free-standing tower and a Mosley
> Pro57B. I've been working up to this installation for years and I'm having
> a blast! Unfortunately, so are the local birds and my cedar deck is now
> covered in bird crap!
>
> I'd appreciate some helpful hints from anyone who has solved this problem!

Max legal power. After a while, birds will stop being a problem, and
the cats will be fat.

You can also try a plastic owl on a weathervane.

```
From -5929843661493372038
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,594e66246880edbb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,594e66246880edbb
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,594e66246880edbb
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,594e66246880edbb
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2000-09-10 18:04:33 PST
Path: supernews.google.com!sn-xit-02!sn-xit-01!supernews.com!
europa.netcrusader.net!63.208.208.143!feed2.onemain.com!feed1.onemain.com!
cyclone2.usenetserver.com!news-out.usenetserver.com!cyclone1.usenetserver.com!
news-east.usenetserver.com.POSTED!not-for-mail
From: "Richard Crowley" <rcrowley7@xprt.net>
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.misc
References: <gLRu5.53373$i5.2297530@news1.rdc2.on.home.com>
```

Subject: Re: Mixed Blessing
Lines: 43
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <CaWu5.84237$nq4.1053697@news-east.usenetserver.com>
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
X-Complaints-To: support@usenetserver.com
NNTP-Posting-Date: Sun, 10 Sep 2000 21:02:26 EDT
Organization: WebUseNet Corp http://www.usenetserver.com - Home of the fastest NNTP servers on the Net.
Date: Sun, 10 Sep 2000 18:04:26 -0700
Xref: supernews.google.com rec.radio.amateur.antenna:4271 rec.radio.amateur.misc:2223

Around here many people find that the birds get used to the plastic owls after a while and ignore them. Plastic snakes are sometimes also effective (at least for a while.)

I've seen applications where they put up garlands of wire spikes about 2 inches long spaced about 1-2 inches apart. They don't have to be sharp (you don't want skewered fowl hanging from your tower!), they are just there to discourage the birds from alighting.

I don't know if this stuff is available commercially and it might be too much to put it on all the horizontal surfaces on a tower. And then you have to worry about how to climb the thing without sticking your feet or bendint the spikes.

Have you tried ultrasonic noise?

Richard

"VA3KC" <va3kc@home.com> wrote in message news:gLRu5.53373$i5.2297530@news1.rdc2.on.home.com...
> Hello,
>
> I'm am recently the proud owner of a 70' free-standing tower and a Mosley
> Pro57B. I've been working up to this installation for years and I'm having
> a blast! Unfortunately, so are the local birds and my cedar deck is now
> covered in bird crap!
>
> I'd appreciate some helpful hints from anyone who has solved this problem!
>
> Many thanks in advance...
>
> Casey
> VA3KC

> va3kc@home.com
>
>
>
>

From -7666716985405808286
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,594e66246880edbb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,594e66246880edbb
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,594e66246880edbb
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,594e66246880edbb
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2000-09-11 14:51:22 PST
Path: supernews.google.com!sn-xit-02!10.10.220.73.MISMATCH!sn-xit-09!
supernews.com!xfer13.netnews.com!netnews.com!cpk-news-hub1.bbnplanet.com!
cambridge1-snf1.gtei.net!news.gtei.net!bos-service1.ext.raytheon.com!
cyclone.swbell.net!nnrp1.sbc.net.POSTED!not-for-mail
From: "BD" <bodu@pobox.com>
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.misc
References: <gLRu5.53373$i5.2297530@news1.rdc2.on.home.com>
<CaWu5.84237$nq4.1053697@news-east.usenetserver.com>
Subject: Re: Mixed Blessing
Lines: 31
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-Mimeole: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <ttcv5.379$dw6.54725@nnrp1.sbc.net>
Date: Mon, 11 Sep 2000 16:50:05 -0500
NNTP-Posting-Host: 64.217.147.38
X-Complaints-To: abuse@swbell.net
X-Trace: nnrp1.sbc.net 968709081 64.217.147.38 (Mon, 11 Sep 2000 16:51:21 CDT)
NNTP-Posting-Date: Mon, 11 Sep 2000 16:51:21 CDT
Organization: SBC Internet Services
Xref: supernews.google.com rec.radio.amateur.antenna:4386
rec.radio.amateur.misc:2284

That's not been the case at all around here (the dfw area, where I've no idea how birds learn what owls look like.. I've only seen a couple here in all the yrs I've been alive) at all.... My company, for example, has had the owls over the parking lot for.. who knows.. 5-10yrs.. and before them.. the cars would almost require a car-wash sometimes just to get home because of the birds 'roosting' in the telephone poles.. Since then, it's been a "rare bird, indeed" to find any bird-cr*p on the vehicles at all.. It's the same with a cell-phone tower over here near my house. You'd expect to see some

birds up there.. Not so, tho, since they installed the owls.. Hmm.. I assume
they're owls, since I can barely see 'em way up there...

"Richard Crowley" <rcrowley7@xprt.net> wrote in message
news:CaWu5.84237$nq4.1053697@news-east.usenetserver.com...
> Around here many people find that the birds get used to
> the plastic owls after a while and ignore them. Plastic
> snakes are sometimes also effective (at least for a while.)
>
> I've seen applications where they put up garlands of wire
> spikes about 2 inches long spaced about 1-2 inches apart.
> They don't have to be sharp (you don't want skewered
> fowl hanging from your tower!), they are just there to
> discourage the birds from alighting.
>
> I don't know if this stuff is available commercially and it
> might be too much to put it on all the horizontal surfaces
> on a tower. And then you have to worry about how to
> climb the thing without sticking your feet or bendint the
> spikes.

From -5521245516603602560
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,594e66246880edbb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,594e66246880edbb
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,594e66246880edbb
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,594e66246880edbb
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2000-09-12 05:23:40 PST
Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!
cyclone2.usenetserver.com!news-out.usenetserver.com!cyclone1.usenetserver.com!
news-west.usenetserver.com.POSTED!not-for-mail
From: rhawk@negabits.net
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.misc
Subject: Re: Mixed Blessing
Message-ID: <39be201a.2195325@209.247.210.101>
References: <gLRu5.53373$i5.2297530@news1.rdc2.on.home.com>
<39BC15C6.AACEDA41@oio.net>
X-Newsreader: Forte Free Agent 1.1/32.230
Lines: 9
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
X-Complaints-To: support@usenetserver.com
NNTP-Posting-Date: Tue, 12 Sep 2000 08:24:06 EDT
Organization: WebUseNet Corp http://www.usenetserver.com - Home of the fastest

NNTP servers on the Net.
Date: Tue, 12 Sep 2000 12:24:16 GMT
Xref: supernews.google.com rec.radio.amateur.antenna:4445
rec.radio.amateur.misc:2319

On Sun, 10 Sep 2000 18:14:14 -0500, 'Doc <w5lz@oio.net> wrote:

>Casey,
>   Try the owl. Might also try a snake, heard of that working too.
>   'Doc

I have thought about "Birdshot" but I have conservative neighbors.

Bob

From 8079827203323983828
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,594e66246880edbb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,594e66246880edbb
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,594e66246880edbb
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,594e66246880edbb
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2000-09-12 05:38:04 PST
Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!hermes.visi.com!news-out.visi.com!news-out.uswest.net!uunet!chi.uu.net!dfw.uu.net!lax.uu.net!
news.navix.net!not-for-mail
From: "W4JLE" <w4jle@alltel.net>
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.misc
Subject: Re: Mixed Blessing
Date: Tue, 12 Sep 2000 08:37:07 -0400
Organization: Navix Internet Subscribers
Lines: 26
Message-ID: <8pl836$efk$1@iac5.navix.net>
References: <gLRu5.53373$i5.2297530@news1.rdc2.on.home.com>
<39BC15C6.AACEDA41@oio.net> <39be201a.2195325@209.247.210.101>
NNTP-Posting-Host: r-250.194.alltel.net
X-Trace: iac5.navix.net 968762278 14836 166.102.250.194 (12 Sep 2000 12:37:58 GMT)
X-Complaints-To: abuse@navix.net
NNTP-Posting-Date: 12 Sep 2000 12:37:58 GMT
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Xref: supernews.google.com rec.radio.amateur.antenna:4446
rec.radio.amateur.misc:2320

Go to the next gun show in town, someone there will be selling the Chinese single shot pellet gun for around $20.00. This little beauty sends a pellet on it's way at about 800FPS with a single pump. Deadly accurate and nearly silent. I have pelted coyotes in the hindparts at 50 yards and you could still hear them yelping for the next 10 minutes.

--

Fred W4JLE
http://w4jle.com/

<rhawk@negabits.net> wrote in message
news:39be201a.2195325@209.247.210.101...
> On Sun, 10 Sep 2000 18:14:14 -0500, 'Doc <w5lz@oio.net> wrote:
>
> >Casey,
> >   Try the owl. Might also try a snake, heard of that working too.
> >   'Doc
>
> I have thought about "Birdshot" but I have conservative neighbors.
>
> Bob
>
>

From -4331430556871313235
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,594e66246880edbb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,594e66246880edbb
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,594e66246880edbb
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,594e66246880edbb
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2000-09-12 15:47:00 PST
Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!newsfeed.direct.ca!look.ca!xmission!news.aros.net!not-for-mail
From: Keith Wood <kw@bctv.com>
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.misc
Subject: Re: Mixed Blessing
Date: Wed, 13 Sep 2000 00:50:56 +0100
Organization: Brass Cannon Productions
Lines: 15
Message-ID: <39BEC160.A74DE3BA@bctv.com>
References: <gLRu5.53373$i5.2297530@news1.rdc2.on.home.com> <39BC15C6.AACEDA41@oio.net> <39be201a.2195325@209.247.210.101>
Reply-To: kw@bctv.com
NNTP-Posting-Host: dsl-208-219-24-129.dsl.aros.net

```
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: news.aros.net 968798819 76167 208.219.24.129 (12 Sep 2000 22:46:59 GMT)
X-Complaints-To: news@aros.net
NNTP-Posting-Date: 12 Sep 2000 22:46:59 GMT
X-Mailer: Mozilla 4.75 [en] (Win98; U)
X-Accept-Language: en
Xref: supernews.google.com rec.radio.amateur.antenna:4499
rec.radio.amateur.misc:2345



rhawk@negabits.net wrote:
>
> On Sun, 10 Sep 2000 18:14:14 -0500, 'Doc <w5lz@oio.net> wrote:
>
> >Casey,
> >    Try the owl.  Might also try a snake, heard of that working too.
> >                         'Doc
>
> I have thought about "Birdshot" but I have conservative neighbors.

Conservative neighbors should be no problem.

It's those whiny LIBERAL neighbors who will have a hissy fit.


From 3261687837883058408
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,594e66246880edbb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,594e66246880edbb
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,594e66246880edbb
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,594e66246880edbb
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2000-09-12 16:55:13 PST
Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!
europa.netcrusader.net!63.208.208.143!feed2.onemain.com!feed1.onemain.com!novia!
newsfeed.datasync.com!news.datasync.com!not-for-mail
From: "Martin D. or Tunisia G. WADE" <mdwade@mobiletel.com>
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.misc
Subject: Re: Mixed Blessing
Date: Tue, 12 Sep 2000 18:46:35 -0500
Organization: Datasync
Lines: 28
Message-ID: <39BEC05B.171F@mobiletel.com>
References: <gLRu5.53373$i5.2297530@news1.rdc2.on.home.com>
<39BC15C6.AACEDA41@oio.net> <39be201a.2195325@209.247.210.101>
<8pl836$efk$1@iac5.navix.net>
```

```
Reply-To: mdwade@mobiletel.com
NNTP-Posting-Host: cajun02-port141.cajunnet.com
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: news.datasync.com 968802619 13214 209.16.79.141 (12 Sep 2000 23:50:19
GMT)
X-Complaints-To: abuse@datasync.com
NNTP-Posting-Date: 12 Sep 2000 23:50:19 GMT
X-Mailer: Mozilla 3.0C-GZone  (Win95; I)
Xref: supernews.google.com rec.radio.amateur.antenna:4514
rec.radio.amateur.misc:2351

W4JLE wrote:
>
> Go to the next gun show in town, someone there will be selling the Chinese
> single shot pellet gun for around $20.00. This little beauty sends a pellet
> on it's way at about 800FPS with a single pump. Deadly accurate and nearly
> silent. I have pelted coyotes in the hindparts at 50 yards and you could
> still hear them yelping for the next 10 minutes.
>
> --
>
> Fred W4JLE
> http://w4jle.com/
>
> <rhawk@negabits.net> wrote in message
> news:39be201a.2195325@209.247.210.101...
> > On Sun, 10 Sep 2000 18:14:14 -0500, 'Doc <w5lz@oio.net> wrote:
> >
> > >Casey,
> > >    Try the owl.  Might also try a snake, heard of that working too.
> > >                         'Doc
> >
> > I have thought about "Birdshot" but I have conservative neighbors.
> >
> > Bob
> >
> >
Problem with the next gun show in town, our friend lives in CANADA which
frowns on gun shows.


From -6517636931639418644
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,594e66246880edbb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,594e66246880edbb
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,594e66246880edbb
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,594e66246880edbb
X-Google-Attributes: gid107ada,public
```

```
X-Google-ArrivalTime: 2000-09-12 17:03:42 PST
Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!newsfeed.direct.ca!
look.ca!xmission!news.aros.net!not-for-mail
From: Keith Wood <kw@bctv.com>
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.misc
Subject: Re: Mixed Blessing
Date: Wed, 13 Sep 2000 02:07:33 +0100
Organization: Brass Cannon Productions
Lines: 13
Message-ID: <39BED355.22F08AEC@bctv.com>
References: <gLRu5.53373$i5.2297530@news1.rdc2.on.home.com>
<39BC15C6.AACEDA41@oio.net> <39be201a.2195325@209.247.210.101>
<8pl836$efk$1@iac5.navix.net> <39BEC05B.171F@mobiletel.com>
Reply-To: kw@bctv.com
NNTP-Posting-Host: dsl-208-219-24-129.dsl.aros.net
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: news.aros.net 968803419 80408 208.219.24.129 (13 Sep 2000 00:03:39 GMT)
X-Complaints-To: news@aros.net
NNTP-Posting-Date: 13 Sep 2000 00:03:39 GMT
X-Mailer: Mozilla 4.75 [en] (Win98; U)
X-Accept-Language: en
Xref: supernews.google.com rec.radio.amateur.antenna:4518
rec.radio.amateur.misc:2352
```

"Martin D. or Tunisia G. WADE" wrote:
>
> W4JLE wrote:
> >
> > Go to the next gun show in town, someone there will be selling the Chinese
> > single shot pellet gun for around $20.00.

> Problem with the next gun show in town, our friend lives in CANADA which
> frowns on gun shows.

That's too bad.

```
From -6083145227686686994
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,594e66246880edbb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,594e66246880edbb
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,594e66246880edbb
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,594e66246880edbb
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 2000-09-12 20:09:53 PST
```

Path: supernews.google.com!sn-xit-02!supernews.com!easynews!news.infoave.net!not-for-mail
From: Dwight Stewart <stewartx@sccoast.net>
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.misc
Subject: Re: Mixed Blessing
Date: Tue, 12 Sep 2000 23:10:01 -0400
Organization: Info Avenue Internet Services
Lines: 23
Message-ID: <39BEEFE4.2703C59C@sccoast.net>
References: <gLRu5.53373$i5.2297530@news1.rdc2.on.home.com>
<39BC15C6.AACEDA41@oio.net> <39be201a.2195325@209.247.210.101>
<8pl836$efk$1@iac5.navix.net>
Reply-To: stewartx@sccoast.net
NNTP-Posting-Host: dial-7.gwy.scscon.infoave.net
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: news3.infoave.net 968814591 9184 206.74.49.7 (13 Sep 2000 03:09:51 GMT)
X-Complaints-To: abuse@infoave.net
NNTP-Posting-Date: Wed, 13 Sep 2000 03:09:51 +0000 (UTC)
X-Mailer: Mozilla 4.5 (Macintosh; I; PPC)
X-Accept-Language: en
Xref: supernews.google.com rec.radio.amateur.antenna:4535
rec.radio.amateur.misc:2367

W4JLE wrote:
>
> Go to the next gun show in town,
> someone there will be selling the Chinese
> single shot pellet gun for around $20.00.

Better yet, if you have a Walmart nearby, just go get the Gamo P-23 pellet pistol. With round lead shot (included, more from Gamo), it is highly accurate and very powerful (420fps). With a half hour of practice, you can easily hit a small animal at fifty to sixty feet. You can even get a laser sight if you need more accuracy (www.gamo.com/ushome.html).

I use it for pest control all the time. At typical distances, it does no great harm to the animal, but stings like heck.

Dwight Stewart (W5NET)

http://www.qsl.net/w5net

From -3177244916839336072
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,594e66246880edbb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,594e66246880edbb
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,594e66246880edbb
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,594e66246880edbb
X-Google-Attributes: gidfcc6e,public
X-Google-ArrivalTime: 2000-09-12 20:16:08 PST
Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!
europa.netcrusader.net!205.252.116.205!howland.erols.net!panix!nycmny1-snh1.gtei.net!cambridge1-snf1.gtei.net!news.gtei.net!bos-service1.ext.raytheon.com!cyclone.swbell.net!nnrp2.sbc.net.POSTED!not-for-mail
From: "BD" <bodu@pobox.com>
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.misc
References: <gLRu5.53373$i5.2297530@news1.rdc2.on.home.com>
<39BC15C6.AACEDA41@oio.net> <39be201a.2195325@209.247.210.101>
<8pl836$efk$1@iac5.navix.net> <39BEEFE4.2703C59C@sccoast.net>
Subject: Re: Mixed Blessing
Lines: 14
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-Mimeole: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <YjCv5.725$Aj2.111630@nnrp2.sbc.net>
Date: Tue, 12 Sep 2000 22:14:45 -0500
NNTP-Posting-Host: 64.217.147.38
X-Complaints-To: abuse@swbell.net
X-Trace: nnrp2.sbc.net 968814968 64.217.147.38 (Tue, 12 Sep 2000 22:16:08 CDT)
NNTP-Posting-Date: Tue, 12 Sep 2000 22:16:08 CDT
Organization: SBC Internet Services
Xref: supernews.google.com rec.radio.amateur.antenna:4536
rec.radio.amateur.misc:2369

It's not going to harm coax and/or smaller elements?...

"Dwight Stewart" <stewartx@sccoast.net> wrote in message
news:39BEEFE4.2703C59C@sccoast.net...
>
>
> Better yet, if you have a Walmart nearby, just go get the Gamo P-23
> pellet pistol. With round lead shot (included, more from Gamo), it is
> highly accurate and very powerful (420fps). With a half hour of
> practice, you can easily hit a small animal at fifty to sixty feet. You
> can even get a laser sight if you need more accuracy (

From -4757713787744426364
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,594e66246880edbb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,594e66246880edbb
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,594e66246880edbb
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,594e66246880edbb
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2000-09-12 20:17:34 PST
Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!
europa.netcrusader.net!63.211.125.72!cyclone2.usenetserver.com!news-
out.usenetserver.com!news.infoave.net!not-for-mail
From: Dwight Stewart <stewartx@sccoast.net>
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.misc
Subject: Re: Mixed Blessing
Date: Tue, 12 Sep 2000 23:17:42 -0400
Organization: Info Avenue Internet Services
Lines: 18
Message-ID: <39BEF1B0.A2131272@sccoast.net>
References: <gLRu5.53373$i5.2297530@news1.rdc2.on.home.com>
<39BC15C6.AACEDA41@oio.net> <39be201a.2195325@209.247.210.101>
<8pl836$efk$1@iac5.navix.net> <39BEEFE4.2703C59C@sccoast.net>
Reply-To: stewartx@sccoast.net
NNTP-Posting-Host: dial-7.gwy.scscon.infoave.net
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Trace: news3.infoave.net 968815052 9102 206.74.49.7 (13 Sep 2000 03:17:32 GMT)
X-Complaints-To: abuse@infoave.net
NNTP-Posting-Date: Wed, 13 Sep 2000 03:17:32 +0000 (UTC)
X-Mailer: Mozilla 4.5 (Macintosh; I; PPC)
X-Accept-Language: en
Xref: supernews.google.com rec.radio.amateur.antenna:4537
rec.radio.amateur.misc:2370
```

Dwight Stewart wrote:

>
> Better yet, if you have a Walmart
> nearby, just go get the Gamo P-23
> pellet pistol.

By the way, the Gamo P-23 is a 15 shot repeater (with round lead shot). In other words, this repeater will fire 15 shots, without reloading, as fast as you can squeeze the trigger. Therefore, if you miss the target with the first shot, you have 14 more to get the job done.

Dwight Stewart (W5NET)

http://www.qsl.net/w5net

```
From -6676724893715085684
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,594e66246880edbb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,594e66246880edbb
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,594e66246880edbb
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,594e66246880edbb
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 2000-09-12 22:36:25 PST
Path: supernews.google.com!sn-xit-02!supernews.com!sn-inject-01!
corp.supernews.com!not-for-mail
From: n7ws_nospam@arrl.net (Wes Stewart)
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.misc
Subject: Re: Mixed Blessing
Date: Wed, 13 Sep 2000 05:34:27 GMT
Organization: Posted via Supernews, http://www.supernews.com
Lines: 11
Message-ID: <39bf1174.26784409@news.azstarnet.com>
References: <gLRu5.53373$i5.2297530@news1.rdc2.on.home.com>
<9XRu5.166300$c5.4222546@news2.rdc1.on.home.com>
<39BF0418.6CE82716@REPLTILEatt.net.>
X-Complaints-To: newsabuse@supernews.com
X-Newsreader: Forte Free Agent 1.11/32.235
Xref: supernews.google.com rec.radio.amateur.antenna:4546
rec.radio.amateur.misc:2379
```

On Wed, 13 Sep 2000 04:35:35 GMT, Patrick Jankowiak
<vaxhackery@REPLTILEatt.net.> wrote:

>My dad was in the air force, and was tired of cleaning bird crap off
>the tain fin of his plane. He and his buddies solved the problen by
>gluing thumbtacks on the top of the fin.
>

Obviously he wasn't stationed in Arizona, where the state bird is the cactus wren.

N7WS

```
From 4460290247893232509
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,594e66246880edbb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,594e66246880edbb
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,594e66246880edbb
X-Google-Attributes: gidfcc6e,public
```

X-Google-Thread: fa656,594e66246880edbb
X-Google-Attributes: gidfa656,public
From: Dwight Stewart <stewartx@sccoast.net>
Subject: Re: Mixed Blessing
Date: 2000/09/14
Message-ID: <39C08494.D55571F6@sccoast.net>#1/1
X-Deja-AN: 669535359
Content-Transfer-Encoding: 7bit
References: <gLRu5.53373$i5.2297530@news1.rdc2.on.home.com>
<39BC15C6.AACEDA41@oio.net> <39be201a.2195325@209.247.210.101>
<8pl836$efk$1@iac5.navix.net> <39BEEFE4.2703C59C@sccoast.net>
<YjCv5.725$Aj2.111630@nnrp2.sbc.net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@infoave.net
X-Trace: news3.infoave.net 968918168 73083 207.144.64.218 (14 Sep 2000 07:56:08 GMT)
Organization: Info Avenue Internet Services
Mime-Version: 1.0
Reply-To: stewartx@sccoast.net
NNTP-Posting-Date: Thu, 14 Sep 2000 07:56:08 +0000 (UTC)
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.misc

BD wrote:
>
> It's not going to harm coax and/or smaller elements?...

Heh. Heh. The odds of hitting the coax or smaller elements is a lot smaller than hitting a small bird. Aim carefully.

Dwight Stewart   (W5NET)

http://www.qsl.net/w5net

From -6556266165575165085
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,594e66246880edbb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,594e66246880edbb
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,594e66246880edbb
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,594e66246880edbb
X-Google-Attributes: gidfcc6e,public
From: "Terrence R. Redding, Ph.D." <terry@oltraining.com>
Subject: Re: Mixed Blessing

Date: 2000/09/14
Message-ID: <39C142B5.3FD60EA5@oltraining.com>#1/1
X-Deja-AN: 669798591
Content-Transfer-Encoding: 7bit
References: <gLRu5.53373$i5.2297530@news1.rdc2.on.home.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread03.prod.itd.earthlink.net 968966833 216.53.162.183 (Thu, 14 Sep 2000 14:27:13 PDT)
Organization: OnLine Training, Inc.
MIME-Version: 1.0
Reply-To: terry@oltraining.com
NNTP-Posting-Date: Thu, 14 Sep 2000 14:27:13 PDT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.misc

Put up a statue of a great horned owl on the antenna - that should keep them away. Another solution may be to hang strips of cloth from the antenna and tower - one Expedition did that.

Hope the suggestions help.

Terry - W6LMJ

VA3KC wrote:

> Hello,
>
> I'm am recently the proud owner of a 70' free-standing tower and a Mosley Pro57B. I've been working up to this installation for years and I'm having a blast! Unfortunately, so are the local birds and my cedar deck is now covered in bird crap!
>
> I'd appreciate some helpful hints from anyone who has solved this problem!
>
> Many thanks in advance...
>
> Casey
> VA3KC
> va3kc@home.com

--

Terrence R. Redding, Ph.D. | over 90 Computer Courses
President/CEO | GED Courses
OnLine Training, Inc. | Insurance Agent Licensing
          | Internet Services
http://www.oltraining.com | Web Broadcasting
          | Web Site Design
(561) 357-0841 voice | Training Development
(561) 357-0842 FAX | Keynote Speaker

| SDL and Educational Research

From 1027224777876917735
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,8b649913b053a1b3,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,8b649913b053a1b3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,8b649913b053a1b3,start
X-Google-Attributes: gid10ed5f,public
From: "Carmine Prestia" <cwp101@psu.edu>
Subject: FA: Heathkit HW-12 80 Meter SSB Transceiver
Date: 2000/09/17
Message-ID: <xfcx5.31211$AW2.499189@news1.rdc2.pa.home.com>#1/1
X-Deja-AN: 670997720
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.pa.home.com 969232477 24.8.222.78 (Sun, 17 Sep 2000 16:14:37 PDT)
Organization: @Home Network
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 17 Sep 2000 16:14:37 PDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,rec.ham-radio

If interested check out the following eBay auction, a
Heathkit HW-12 for restoration:

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=440855236

Thanks for looking.

73 - Carmine, K3CWP

From 1688403410492831039
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,a87ec64c4cc0d704,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,a87ec64c4cc0d704,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,a87ec64c4cc0d704,start
X-Google-Attributes: gid10ed5f,public
From: "Carmine Prestia" <cwp101@psu.edu>
Subject: FA: Turner Plus Three B amplified Microphone
Date: 2000/09/17

Message-ID: <%hcx5.31214$AW2.499238@news1.rdc2.pa.home.com>#1/1
X-Deja-AN: 670998443
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.pa.home.com 969232635 24.8.222.78 (Sun, 17 Sep 2000 16:17:15 PDT)
Organization: @Home Network
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 17 Sep 2000 16:17:15 PDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,rec.ham-radio

Check the following URL for a Turner amplified microphone at auction on eBay:

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=440373096

Thanks for looking.

73 - Carmine, K3CWP

From -7404264030754258450
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,594e66246880edbb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,594e66246880edbb
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,594e66246880edbb
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,594e66246880edbb
X-Google-Attributes: gidfa656,public
From: Gary Coffman <ke4zv@bellsouth.net>
Subject: Re: Mixed Blessing
Date: 2000/09/21
Message-ID: <2ufkssohpg3l06vhhkvc7adu78l5rcfbif@4ax.com>#1/1
X-Deja-AN: 672518457
Content-Transfer-Encoding: 7bit
References: <gLRu5.53373$i5.2297530@news1.rdc2.on.home.com>
Content-Type: text/plain; charset=us-ascii
X-Trace: news2.atl 969555736 209.214.70.52 (Thu, 21 Sep 2000 13:02:16 EDT)
MIME-Version: 1.0
NNTP-Posting-Date: Thu, 21 Sep 2000 13:02:16 EDT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.misc

On Sun, 10 Sep 2000 20:00:12 GMT, "VA3KC" <va3kc@home.com> wrote:
>I'm am recently the proud owner of a 70' free-standing tower and a Mosley
>Pro57B. I've been working up to this installation for years and I'm having
>a blast! Unfortunately, so are the local birds and my cedar deck is now

>covered in bird crap!
>
>I'd appreciate some helpful hints from anyone who has solved this problem!

The best solution I've found for this problem is to slip pieces of thin wall
poly pipe over the antenna elements. Bird lands, pipe rotates, bird falls off.
Funny as hell.

Gary
Gary Coffman KE4ZV | You make it |mail to ke4zv@bellsouth.net
534 Shannon Way | We break it |
Lawrenceville, GA | Guaranteed |

From 6607628740887042196
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,ae122c53df50fa30,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,ae122c53df50fa30,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,ae122c53df50fa30,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,ae122c53df50fa30,start
X-Google-Attributes: gid108778,public
From: "Carmine Prestia" <cwp101@psu.edu>
Subject: FA: Motorola Weatherproof "Power Voice" Speaker
Date: 2000/09/30
Message-ID: <RqnB5.15138$td5.2667956@news1.rdc2.pa.home.com>#1/1
X-Deja-AN: 675892528
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.pa.home.com 970326833 24.8.222.78 (Sat, 30 Sep 2000 08:13:53
PDT)
Organization: @Home Network
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 30 Sep 2000 08:13:53 PDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio

For anyone who might be interested I have for auction on eBay the following
Motorola Power Voice Speaker:

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=454334719

Thank you for looking.

73 - Carmine Prestia, K3CWP

```
From 5683524092558737329
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,bca8ab49cd4dfff6,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,bca8ab49cd4dfff6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,bca8ab49cd4dfff6,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 10ed5f,bca8ab49cd4dfff6,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,bca8ab49cd4dfff6,start
X-Google-Attributes: gid108778,public
X-Google-ArrivalTime: 2000-09-30 20:35:23 PST
Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!newsfeed.direct.ca!
look.ca!nntp.giganews.com!nntp3.aus1.giganews.com!news1.giganews.com.POSTED!not-
for-mail
From: "Anthony Mikulastik" <wb5tty@hotmail.com>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur.swap
Subject: FS: Icom IC-746
Lines: 6
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <MgyB5.46436$A4.1497999@news1.giganews.com>
NNTP-Posting-Date: Sat, 30 Sep 2000 22:34:04 CDT
Organization: Giganews.Com - Premium News Outsourcing
X-Trace: sv2-
ZsFUtOen+Ln2dwjX8Hz+Zjwv8jM9Wb1pNdoZqUTYA9lZKVwc7lQyLI5jP3jOnGU0qkdGYwdunkbTPGt!
cE8HfBBinZB7F4NZ1z6Q
X-Complaints-To: abuse@GigaNews.Com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
Date: Sun, 01 Oct 2000 03:34:04 GMT
Xref: supernews.google.com alt.ham-radio.marketplace:963
```

Very clean Icom IC-746, 2 Meters - 160 Meters with 100 watts out on all bands. IC-746 comes with Narrow SSB Filter, 500Hz CW Filter, and all Icom supplied accessories. Asking $1250.00 shiped to you in the Continantal USA. Contact Anthony at wb5tty@hotmail.com or call (254) 778-3428.

```
From -6898876023286454403
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,c33eaed6db0fd4b0,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,c33eaed6db0fd4b0,start
X-Google-Attributes: gid10c9e3,public
```

```
X-Google-Thread: 108778,c33eaed6db0fd4b0,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,c33eaed6db0fd4b0,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 1031c8,c33eaed6db0fd4b0,start
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2000-09-30 20:43:07 PST
Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!
europa.netcrusader.net!209.130.129.214!nntp.frontiernet.net!nntp.gblx.net!
nntp.giganews.com!nntp3.aus1.giganews.com!news2.giganews.com.POSTED!not-for-mail
From: "Anthony Mikulastik" <wb5tty@hotmail.com>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur.swap
Subject: FS: Ameritron ALS 500M Solid State Amp
Lines: 6
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <rnyB5.2685$i4.175240@news2.giganews.com>
NNTP-Posting-Date: Sat, 30 Sep 2000 22:41:11 CDT
Organization: Giganews.Com - Premium News Outsourcing
X-Trace: sv2-
OJCnhzF9Kziz6aHC9xSvSMJwEXyVoV8qmNcC2UPyYpFORuZRqaPmOHBnrcTTfS0e0DygCAQ41zTNzTp!/
lW+7hWtCpqCHzH6QZgg
X-Complaints-To: abuse@GigaNews.Com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
Date: Sun, 01 Oct 2000 03:41:14 GMT
Xref: supernews.google.com alt.ham-radio.marketplace:965

Very clean Amerittron ALS 500M Solid State Mobile Amp.  ALS 500M comes with
all Ameritron supplied accessories.  Asking $595.00 shiped to you in the
Continantal USA.  Contact Anthony at wb5tty@hotmail.com or call (254)
778-3428.




From 6703425810472769905
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,96170b22475491e5,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,96170b22475491e5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,96170b22475491e5,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,96170b22475491e5,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 1031c8,96170b22475491e5,start
X-Google-Attributes: gid1031c8,public
X-Google-ArrivalTime: 2000-09-30 20:48:56 PST
Path: supernews.google.com!sn-xit-02!supernews.com!isdnet!news-
```

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spur1.maxwell.syr.edu!news.maxwell.syr.edu!nntp.frontiernet.net!nntp.gblx.net!
nntp.giganews.com!nntp3.aus1.giganews.com!news2.giganews.com.POSTED!not-for-mail
From: "Anthony Mikulastik" <wb5tty@hotmail.com>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur.swap
Subject: FS: Icom IC-T7H Dual Band
Lines: 6
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <XsyB5.2710$i4.175724@news2.giganews.com>
NNTP-Posting-Date: Sat, 30 Sep 2000 22:47:03 CDT
Organization: Giganews.Com - Premium News Outsourcing
X-Trace: sv2-
oEbvZQnlXDbM6FCyKm+M7AU2qlOLnPytR0r2GQ0I+a3FuILkJnszn+TB9jBpNnHpIBrNCrOFOBjTxuF!
QHdSG0PKtTCtBUrxEuZt
X-Complaints-To: abuse@GigaNews.Com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
Date: Sun, 01 Oct 2000 03:47:04 GMT
Xref: supernews.google.com alt.ham-radio.marketplace:966

Icom IC-T7H Dual Band Talkie with BC-119 Rapid Charger, Speaker Mic, and 4
AA Cell Battery Holder.  Asking $249.00 shipped to you in the Continintal
USA.  I have 2 of these radio/charger/mic units for sale and both are very
clean.  Contact Anthony at wb5tty@hotmail.com or call (254) 778-3428.




From -669164446100821268
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,17d2535403a58a54,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,17d2535403a58a54,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,17d2535403a58a54,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 1031c8,17d2535403a58a54,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 10ed5f,17d2535403a58a54,start
X-Google-Attributes: gid10ed5f,public
X-Google-ArrivalTime: 2000-09-30 20:56:15 PST
Path: supernews.google.com!sn-xit-02!sn-xit-03!supernews.com!
europa.netcrusader.net!207.103.147.20!news.voicenet.com!nntp2.aus1.giganews.com!
nntp3.aus1.giganews.com!news1.giganews.com.POSTED!not-for-mail
From: "Anthony Mikulastik" <wb5tty@hotmail.com>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur.swap
Subject: FS: High Sierra Screw-Driver Antenna
Lines: 6
X-Priority: 3
```

X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 5.50.4133.2400
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Message-ID: <hByB5.46458$A4.1500048@news1.giganews.com>
NNTP-Posting-Date: Sat, 30 Sep 2000 22:55:57 CDT
Organization: Giganews.Com - Premium News Outsourcing
X-Trace: sv2-jwqclVyKymHd/
dJ3kxAvi7THWwvgMwBc8i6ex8yr0xEvI0kbQaQDzlkVorcAXfy6eVd+SRa2N1vOcgr!
ULIK1HuD876SXbD1LNGk
X-Complaints-To: abuse@GigaNews.Com
X-Abuse-Info: Please be sure to forward a copy of ALL headers
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
Date: Sun, 01 Oct 2000 03:55:57 GMT
Xref: supernews.google.com alt.ham-radio.marketplace:968

High Sierra Screw Driver Mobile Antenna with stainless steel mounting bracket. Antenna is Silver Gray. Trailer hitch mount also available. Asking $249.00 shipped to you in the Continental USA. Contact Anthony at wb5tty@hotmail.com or call (254) 778-3428.

From 7276723552340921911
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f610edd7d4899c9e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,f610edd7d4899c9e,start
X-Google-Attributes: gid105d97,public
X-Google-Thread: fe99a,f610edd7d4899c9e,start
X-Google-Attributes: gidfe99a,public
X-Google-Thread: 10501b,f610edd7d4899c9e,start
X-Google-Attributes: gid10501b,public
X-Google-Thread: 1118be,f610edd7d4899c9e,start
X-Google-Attributes: gid1118be,public
From: "Kevin White" <kevinwhite@NOSPAMdsldesigns.net>
Subject: Re: which logic family is preferred?
Date: 2000/10/06
Message-ID: <8rm85j$1vv1@Radiant.dsldesigns.com>#1/1
X-Deja-AN: 678547290
References: <mNvD5.34982$pu4.3778033@typhoon.ne.mediaone.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
Organization: DSL Designs, Inc.
X-MSMail-Priority: Normal
Newsgroups: sci.electronics.components,sci.electronics,rec.ham-radio,alt.electronics,rec.electronics

74HCxx parts are rated for 2-6 volts. You only need the HCT parts to interface with bipolar TTL.

kevin white
"Peter Nelson" <plnelson@mediaone.net> wrote in message

news:mNvD5.34982$pu4.3778033@typhoon.ne.mediaone.net...
>
> I'd like to settle on one family of logic IC's, if possible, for
> my "parts department" for homebrew projects.
>
> The 4000-series CMOS IC's are great for battery power
> because they tolerate a wide supply voltage, but they're slow
> and have a limited range of types and functions. The 74HCT-
> family is about 4X faster with a much wider range of functions
> available. But it's 5V only which limits its use with batteries.
>
> I often make battery powered CMOS projects with no
> power-switch because the Idd of many CMOS IC's in
> static mode is so low that I can just give it a new 9V
> alkaline once a year.   But the lowest quiescent-current
> 5V regulator I've seen is 15uA (Philips TDA3664) which
> will kill a typical 9V alkaline in a few months.
>
> What do other serious electronics and ham-homebrew
> hobbyists stock for IC logic families in their "parts
> departments"?
>
> Thanks in advance!
>
> ---peter
>
>
>
>
>
>
>

From 2476436754468479070
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,a5915a453f93974f,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,a5915a453f93974f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a5915a453f93974f,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,a5915a453f93974f,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 108778,a5915a453f93974f,start
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,a5915a453f93974f,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10ed5f,a5915a453f93974f,start
X-Google-Attributes: gid10ed5f,public

```
X-Google-Thread: 1031c8,a5915a453f93974f,start
X-Google-Attributes: gid1031c8,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA Rare Heathkit MM1U
Date: 2000/06/05
Message-ID: <UED_4.812$l41.66895@news.intnet.net>#1/1
X-Deja-AN: 631102355
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960169652 199.1.102.97 (Sun, 04 Jun 2000 21:47:32 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 04 Jun 2000 21:47:32 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.ham-
radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.ama
teur.swap

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349922177





From -3137131233001672524
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,23150b919e197930,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,23150b919e197930,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,23150b919e197930,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,23150b919e197930,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,23150b919e197930,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f76e2,23150b919e197930,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc8b1,23150b919e197930,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1031c8,23150b919e197930,start
X-Google-Attributes: gid1031c8,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA Shure Mic
Date: 2000/06/05
Message-ID: <zFD_4.813$l41.66942@news.intnet.net>#1/1
X-Deja-AN: 631102562
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960169695 199.1.102.97 (Sun, 04 Jun 2000 21:48:15 EDT)
Organization: Intelligence Network Online, Inc.
```

X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 04 Jun 2000 21:48:15 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.swap

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349920445

From -3157098621065833581
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,7e45ba7eecdddad1,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,7e45ba7eecdddad1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7e45ba7eecdddad1,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,7e45ba7eecdddad1,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,7e45ba7eecdddad1,start
X-Google-Attributes: gid108778,public
X-Google-Thread: fc8b1,7e45ba7eecdddad1,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1031c8,7e45ba7eecdddad1,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,7e45ba7eecdddad1,start
X-Google-Attributes: gidf76e2,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA Collins Accessory
Date: 2000/06/05
Message-ID: <GGD_4.814$l41.66892@news.intnet.net>#1/1
X-Deja-AN: 631103152
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960169766 199.1.102.97 (Sun, 04 Jun 2000 21:49:26 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 04 Jun 2000 21:49:26 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.swap

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349918726

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From 6473268688662760685
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,3847fa45f1e0e7de,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 114aac,3847fa45f1e0e7de,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 108122,3847fa45f1e0e7de,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,3847fa45f1e0e7de,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,3847fa45f1e0e7de,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 1031c8,3847fa45f1e0e7de,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,3847fa45f1e0e7de,start
X-Google-Attributes: gidf76e2,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA Mint JRC 535DL
Date: 2000/06/05
Message-ID: <_HD_4.815$l41.66929@news.intnet.net>#1/1
X-Deja-AN: 631103928
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960169850 199.1.102.97 (Sun, 04 Jun 2000 21:50:50 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 04 Jun 2000 21:50:50 EDT
Newsgroups: alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.shortwave
```

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349916893

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From 623185634950385835
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,aebcae958da2539,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,aebcae958da2539,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,aebcae958da2539,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,aebcae958da2539,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 1031c8,aebcae958da2539,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fc8b1,aebcae958da2539,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 108778,aebcae958da2539,start
```

```
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,aebcae958da2539,start
X-Google-Attributes: gidf76e2,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA Collins KWM-2 Mint
Date: 2000/06/05
Message-ID: <XJD_4.817$l41.66910@news.intnet.net>#1/1
X-Deja-AN: 631103960
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960169975 199.1.102.97 (Sun, 04 Jun 2000 21:52:55 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 04 Jun 2000 21:52:55 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.ham-
radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.ama
teur.swap

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349911981





From 1504450723466113319
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,bc6cc8d0cf6db808,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,bc6cc8d0cf6db808,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,bc6cc8d0cf6db808,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 108122,bc6cc8d0cf6db808,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,bc6cc8d0cf6db808,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 10ed5f,bc6cc8d0cf6db808,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f76e2,bc6cc8d0cf6db808,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,bc6cc8d0cf6db808,start
X-Google-Attributes: gid1031c8,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA Collins 30L-1 RE MINT
Date: 2000/06/05
Message-ID: <WKD_4.818$l41.66938@news.intnet.net>#1/1
X-Deja-AN: 631104333
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960170038 199.1.102.97 (Sun, 04 Jun 2000 21:53:58 EDT)
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Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 04 Jun 2000 21:53:58 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.swap

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349907511

From 6031833511410285255
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,bc6cc8d0cf6db808
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,bc6cc8d0cf6db808
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc8b1,bc6cc8d0cf6db808
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 108778,bc6cc8d0cf6db808
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,bc6cc8d0cf6db808
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 108122,bc6cc8d0cf6db808
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,bc6cc8d0cf6db808
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 1031c8,bc6cc8d0cf6db808
X-Google-Attributes: gid1031c8,public
From: "EDMONTON" <EDMONTON@hotmail.com>
Subject: Martyn
Date: 2000/06/05
Message-ID: <5HF_4.84320$g62.1297943@news1.rdc1.ab.home.com>#1/1
X-Deja-AN: 631135479
References: <WKD_4.818$l41.66938@news.intnet.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.ab.home.com 960177985 24.68.174.172 (Sun, 04 Jun 2000 21:06:25 PDT)
Organization: @Home Network Canada
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 04 Jun 2000 21:06:25 PDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.swap

First one to make it to the block list!

QUIT THE CROSSPOSTING!

From -7153247697498622811
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,2f0efec357f68fe7
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,2f0efec357f68fe7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,2f0efec357f68fe7
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,2f0efec357f68fe7
X-Google-Attributes: gid108778,public
X-Google-Thread: fc8b1,2f0efec357f68fe7
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f76e2,2f0efec357f68fe7
X-Google-Attributes: gidf76e2,public
From: Pete Lamasney <PeteLamasney@home.com>
Subject: Re: FA Collins KWM-2A
Date: 2000/06/05
Message-ID: <393B2BA4.56EA467C@home.com>#1/1
X-Deja-AN: 631139852
Content-Transfer-Encoding: 7bit
References: <D7A_4.790$l41.66723@news.intnet.net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.sdca.home.com 960179126 24.0.172.250 (Sun, 04 Jun 2000 21:25:26 PDT)
Organization: @Home Network
MIME-Version: 1.0
NNTP-Posting-Date: Sun, 04 Jun 2000 21:25:26 PDT
Newsgroups: alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment

Martyn wrote:
>
> http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=3499047

You forgot to crosspost to rec.radio.swap

From -7453966753886808213
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,bc6cc8d0cf6db808
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,bc6cc8d0cf6db808
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 108122,bc6cc8d0cf6db808
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,bc6cc8d0cf6db808
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,bc6cc8d0cf6db808
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fc8b1,bc6cc8d0cf6db808
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f76e2,bc6cc8d0cf6db808
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,bc6cc8d0cf6db808
X-Google-Attributes: gid1031c8,public
From: "Roger Halstead" <rdhalste@tm.net>
Subject: Re: FA Collins 30L-1 RE MINT
Date: 2000/06/05
Message-ID: <XRH_4.13846$LM4.1010297@monger.newsread.com>#1/1
X-Deja-AN: 631165143
References: <WKD_4.818$l41.66938@news.intnet.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: Abuse Role <abuse@tm.net>, We Care <abuse@newsread.com>
X-Trace: monger.newsread.com 960186871 64.7.166.38 (Mon, 05 Jun 2000 02:34:31 EDT)
Organization: The Mercury Network (tm.net)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Mon, 05 Jun 2000 02:34:31 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.swap

I'm interested in the 30L1, but I'd fly to pick it up in person...Cash!
If you are within 80-1200 miles of central Michigan.

The only way I purchase these kinds of items on the net is to see them and
pay cash in person.

I do not in any way shape of form buy though e-bay.

--
Roger Halstead (K8RI)
www.RogerHalstead.com
N833R World's oldest Debonair? CD-2
"Martyn" <martyn@intecc.co.uk> wrote in message
news:WKD_4.818$l41.66938@news.intnet.net...
> http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349907511
>
>

From -8693406719859101002

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,23150b919e197930
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,23150b919e197930
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,23150b919e197930
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,23150b919e197930
X-Google-Attributes: gid108778,public
X-Google-Thread: 108122,23150b919e197930
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,23150b919e197930
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1031c8,23150b919e197930
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,23150b919e197930
X-Google-Attributes: gidf76e2,public
From: Ron Austin <daustin@kalnet.net>
Subject: Re: FA Shure Mic
Date: 2000/06/05
Message-ID: <393C63B4.39106559@kalnet.net>#1/1
X-Deja-AN: 631558006
References: <zFD_4.813$l41.66942@news.intnet.net>
<N8X_4.6223$r7.1362413@news1.rdc2.tx.home.com>
X-Accept-Language: en
Content-Type: multipart/alternative;
boundary="------------9AB41836D21E726C46EA222B"
X-Trace: 5 Jun 2000 22:33:10 -0500, 205.139.183.110
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.ham-
radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.ama
teur.swap


--------------9AB41836D21E726C46EA222B
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
```

all the halfwit wants to do is tie up N.G .S with this crap not smart enough to know better how do you expect any more of him everybody needs to tie up his e-mail A.D for doing this .And yes i have time to tie up N.G.S with crap also . And yes Have a NICE DAY

TW wrote:

```
> Can't you put all the links into one post?
>
> ----------------------------------------------------------------------------
> ----
> Martyn <martyn@intecc.co.uk> wrote in message
> news:zFD_4.813$l41.66942@news.intnet.net...
> > http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349920445
> >
> >

--------------9AB41836D21E726C46EA222B
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<!doctype html public "-//w3c//dtd html 4.0 transitional//en">
<html>
all the halfwit wants to do is tie up N.G .S&nbsp; with this crap not smart
enough to know better how do you expect any more of him everybody needs
to tie up his e-mail A.D for doing this .And yes i have time to tie up
N.G.S with crap also . And yes Have a NICE DAY
<p>TW wrote:
<blockquote TYPE=CITE>Can't you put all the links into one post?
<p>---------------------------------------------------------------------------
<br>----
<br>Martyn &lt;martyn@intecc.co.uk> wrote in message
<br><a
href="news:zFD_4.813$l41.66942@news.intnet.net">news:zFD_4.813$l41.66942@news.intn
et.net</a>...
<br>> <a href="http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?
ViewItem&item=349920445">http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?
ViewItem&amp;item=349920445</a>
<br>>
<br>></blockquote>
</html>

--------------9AB41836D21E726C46EA222B--




From -1491550303526512726
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,c65e958422ce1753,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,c65e958422ce1753,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,c65e958422ce1753,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,c65e958422ce1753,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,c65e958422ce1753,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f4306,c65e958422ce1753,start
X-Google-Attributes: gidf4306,public
From: "richard d'avy" <rdavy@delrio.com>
Subject: How much is enough?
Date: 2000/06/06
Message-ID: <qgi%4.1369$vV5.7800@newsfeed.slurp.net>#1/1
X-Deja-AN: 631986481
X-Priority: 3
```

```
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 960344214 208.246.53.77 (Tue, 06 Jun 2000 21:16:54
CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Tue, 06 Jun 2000 21:16:54 CDT
Newsgroups: alt.ham-radio.marketplace,alt.ham-radio.packet,alt.ham-radio.vhf-
uhf,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap
```

Approximately how much tension is recommended for guy wires on a Rohn 25G tower. Mine's 40', has two sets of guys (22 & 38'), will be loaded at approx. 10 lbs. surface area. I'm in southwest Texas, it's pretty windy here.

73's

Richard

```
From 7031253624817263459
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,7ade841a5f897aac,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,7ade841a5f897aac,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7ade841a5f897aac,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,7ade841a5f897aac,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f76e2,7ade841a5f897aac,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,7ade841a5f897aac,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 108778,7ade841a5f897aac,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,7ade841a5f897aac,start
X-Google-Attributes: gid10ed5f,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA Collins 312B-4
Date: 2000/06/07
Message-ID: <X3w%4.824$l41.68230@news.intnet.net>#1/1
X-Deja-AN: 632265800
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960400759 199.1.102.204 (Wed, 07 Jun 2000 13:59:19 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Wed, 07 Jun 2000 13:59:19 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.ham-
```

radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.swap

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349952067

```
From 6303329962338852766
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,c65e958422ce1753
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,c65e958422ce1753
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,c65e958422ce1753
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fb049,c65e958422ce1753
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,c65e958422ce1753
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f4306,c65e958422ce1753
X-Google-Attributes: gidf4306,public
From: Matt Erickson <kk5dr@hotmail.com>
Subject: Re: How much is enough?
Date: 2000/06/07
Message-ID: <393EDF35.412D4308@hotmail.com>#1/1
X-Deja-AN: 632394700
Content-Transfer-Encoding: 7bit
References: <qgi%4.1369$vV5.7800@newsfeed.slurp.net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
X-Complaints-To: support@usenetserver.com
Organization: ICOM users net
MIME-Version: 1.0
Reply-To: kk5dr@hotmail.com
NNTP-Posting-Date: Wed, 07 Jun 2000 19:49:07 EDT
Newsgroups: alt.ham-radio.marketplace,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap
```

Tension is applied until the lines are straight, and all lines must have equal tension applied. 200lbs. is about right.

richard d'avy wrote:

> Approximately how much tension is recommended for guy wires on a Rohn 25G
> tower. Mine's 40', has two sets of guys (22 & 38'), will be loaded at
> approx. 10 lbs. surface area. I'm in southwest Texas, it's pretty windy
> here.
>
> 73's
>

> Richard

From -7289963384381043029
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,e2cb0e30d1186d9e
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,e2cb0e30d1186d9e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,e2cb0e30d1186d9e
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,e2cb0e30d1186d9e
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,e2cb0e30d1186d9e
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 108778,e2cb0e30d1186d9e
X-Google-Attributes: gid108778,public
From: "Walter R. Jones, Jr." <kc7hex@arrl.net>
Subject: Cherished 50 Watt ATV Fastcan Transciever
Date: 2000/06/07
Message-ID: <393EF65A.939336D5@arrl.net>#1/1
X-Deja-AN: 632415207
Content-Transfer-Encoding: 7bit
References: <leB_4.797$l41.66702@news.intnet.net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@meganews.com
X-Trace: news-02.meganews.com 960427664 5233 208.32.57.157 (8 Jun 2000 01:27:44 GMT)
Organization: http://www.jones-clan.com/EBay   - Big Shack Sale
Mime-Version: 1.0
NNTP-Posting-Date: 8 Jun 2000 01:27:44 GMT
Newsgroups: alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap

Check out the Cherished 50 Watt ATV Fastcan Transciever at:

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=348136579

73
Walt
KC7HEX

From -7206333051803047388
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,ef3fd7a2f60413ac,start

```
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,ef3fd7a2f60413ac,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,ef3fd7a2f60413ac,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,ef3fd7a2f60413ac,start
X-Google-Attributes: gid108778,public
X-Google-Thread: fc8b1,ef3fd7a2f60413ac,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 10ed5f,ef3fd7a2f60413ac,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 1031c8,ef3fd7a2f60413ac,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,ef3fd7a2f60413ac,start
X-Google-Attributes: gidf76e2,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA Collins 312B-5 mint and rare
Date: 2000/06/08
Message-ID: <cmE%4.835$l41.68472@news.intnet.net>#1/1
X-Deja-AN: 632445096
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960434696 199.1.102.11 (Wed, 07 Jun 2000 23:24:56 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Wed, 07 Jun 2000 23:24:56 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.ham-
radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.ama
teur.swap
```

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=352921933

```
From -5052987108147266099
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,e2cb0e30d1186d9e
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,e2cb0e30d1186d9e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,e2cb0e30d1186d9e
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,e2cb0e30d1186d9e
X-Google-Attributes: gid108778,public
X-Google-Thread: 1031c8,e2cb0e30d1186d9e
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,e2cb0e30d1186d9e
X-Google-Attributes: gidf76e2,public
From: "Mike Yetsko" <joe@user.com>
```

Subject: Re: Cherished 50 Watt ATV Fastcan Transciever
Date: 2000/06/08
Message-ID: <mKN%4.5858$bj.347619@newsread1.prod.itd.earthlink.net>#1/1
X-Deja-AN: 632615475
References: <leB_4.797$l41.66702@news.intnet.net> <393EF65A.939336D5@arrl.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread1.prod.itd.earthlink.net 960473106 208.58.169.177 (Thu, 08 Jun 2000 07:05:06 PDT)
Organization: EarthLink Inc. -- http://www.EarthLink.net
X-MSMail-Priority: Normal
NNTP-Posting-Date: Thu, 08 Jun 2000 07:05:06 PDT
Newsgroups: alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap

I would avoid this unit like the plague.

If the poster can't be honest enough to post that it's "for auction"
instead of the 'for sale' how honest do you think the condition
of the equipment will be?

Mike

Walter R. Jones, Jr. <kc7hex@arrl.net> wrote in message
news:393EF65A.939336D5@arrl.net...
> Check out the Cherished 50 Watt ATV Fastcan Transciever at:
>
> http://cgi.ebay.com/aw-cgi/eBayISAPI.dll/xxxxxxxxxxxx

>
> 73
> Walt
> KC7HEX

From -8505354371453301905
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,65b03332c394886f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,65b03332c394886f,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 114aac,65b03332c394886f,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 106d41,65b03332c394886f,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 115af6,65b03332c394886f,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: f76e2,65b03332c394886f,start

```
X-Google-Attributes: gidf76e2,public
From: "BOB BIEKER" <tubes@hamtubes.com>
Subject: tubes for sale
Date: 2000/06/09
Message-ID: <SJg05.155$nc1.1272@newsfeed.slurp.net>#1/1
X-Deja-AN: 633269509
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Trace: newsfeed.slurp.net 960600050 209.100.92.95 (Fri, 09 Jun 2000 20:20:50
CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Fri, 09 Jun 2000 20:20:50 CDT
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio,rec.radio.cb,rec.radio.shortwave,rec.radio.swap


BOB BIEKER <tubes@hamtubes.com> wrote in message news:...
> Tubes for sale
> New m/p 6js6c & the 12by7 driver 70.00 (35.00 each)
> New  m/p ge 6jb6a or 6146w & 12by7 or 6cl6 driver 38.00 (19.00 each)
> 6lq6 35.00  6lf6 40.00  20lf6 40.00  6lr6 25.00  6jg6 25.00  6kd6 32.00
> 6lb6 20.00 24lq6 18.00 31lq6 15.00 30kd6 20.00 35lr6 18.00 6kv6 35.00
> 6cl6 5.00  12by7 7.00  6bq5 12.00  6v6gt 10.00  6hs6 7.00
> Other amateur radio tubes are avaliable
> Used tubes 50% off of new prices (test 70-100% of new)
> www.hamtubes.com
> tubes@hamtubes.com
>
>
>





From -1985483694156399919
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,65b03332c394886f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,65b03332c394886f
X-Google-Attributes: gid106d41,public
X-Google-Thread: 115af6,65b03332c394886f
X-Google-Attributes: gid115af6,public
X-Google-Thread: f76e2,65b03332c394886f
X-Google-Attributes: gidf76e2,public
From: curious_dan@my-deja.com
Subject: Re: tubes for sale
Date: 2000/06/10
Message-ID: <8hsass$ui$1@nnrp1.deja.com>#1/1
X-Deja-AN: 633282784
References: <SJg05.155$nc1.1272@newsfeed.slurp.net>
X-Http-Proxy: 1.1 x62.deja.com:80 (Squid/1.1.22) for client 208.191.170.25
Organization: Deja.com - Before you buy.
```

```
X-Article-Creation-Date: Sat Jun 10 02:58:41 2000 GMT
X-MyDeja-Info: XMYDJUIDcurious_dan
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.cb
X-Http-User-Agent: Mozilla/4.0 (compatible; MSIE 5.01; Windows 95; 3COM U.S.
Robotics)

In article <SJg05.155$nc1.1272@newsfeed.slurp.net>,
  "BOB BIEKER" <tubes@hamtubes.com> wrote:
>
> BOB BIEKER <tubes@hamtubes.com> wrote in message news:...
> > Tubes for sale
> > New m/p 6js6c & the 12by7 driver 70.00 (35.00 each)
> > New  m/p ge 6jb6a or 6146w & 12by7 or 6cl6 driver 38.00 (19.00 each)
> > 6lq6 35.00  6lf6 40.00  20lf6 40.00  6lr6 25.00  6jg6 25.00  6kd6
32.00
> > 6lb6 20.00 24lq6 18.00 31lq6 15.00 30kd6 20.00 35lr6 18.00 6kv6
35.00
> > 6cl6 5.00  12by7 7.00  6bq5 12.00  6v6gt 10.00  6hs6 7.00
> > Other amateur radio tubes are avaliable
> > Used tubes 50% off of new prices (test 70-100% of new)
> > www.hamtubes.com
> > tubes@hamtubes.com
> >
> >
> >
>
>

bieker, are these tubes good and how do you prove it?  and where are
you getting them , considering they are in short supply?  and oh yes,
don't tell me they test good, that really doesn't tell you much, a
mediocre tube can test good ,but it won't put out,......cd is out....


Sent via Deja.com http://www.deja.com/
Before you buy.




From 8798958341076189001
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,65b03332c394886f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,65b03332c394886f
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 106d41,65b03332c394886f
X-Google-Attributes: gid106d41,public
X-Google-Thread: 115af6,65b03332c394886f
X-Google-Attributes: gid115af6,public
From: "BOB BIEKER" <tubes@hamtubes.com>
Subject: Re: tubes for sale
Date: 2000/06/10
Message-ID: <kwv05.649$nc1.3550@newsfeed.slurp.net>#1/1
```

```
X-Deja-AN: 633497847
References: <SJg05.155$nc1.1272@newsfeed.slurp.net> <8hsass$ui$1@nnrp1.deja.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Trace: newsfeed.slurp.net 960660624 209.100.92.140 (Sat, 10 Jun 2000 13:10:24
CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 10 Jun 2000 13:10:24 CDT
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.cb


<curious_dan@my-deja.com> wrote in message
news:8hsass$ui$1@nnrp1.deja.com...
> In article <SJg05.155$nc1.1272@newsfeed.slurp.net>,
>   "BOB BIEKER" <tubes@hamtubes.com> wrote:
> >
> > BOB BIEKER <tubes@hamtubes.com> wrote in message news:...
> > > Tubes for sale
> > > New m/p 6js6c & the 12by7 driver 70.00 (35.00 each)
> > > New  m/p ge 6jb6a or 6146w & 12by7 or 6cl6 driver 38.00 (19.00 each)
> > > 6lq6 35.00  6lf6 40.00  20lf6 40.00  6lr6 25.00  6jg6 25.00  6kd6
> 32.00
> > > 6lb6 20.00 24lq6 18.00 31lq6 15.00 30kd6 20.00 35lr6 18.00 6kv6
> 35.00
> > > 6cl6 5.00  12by7 7.00  6bq5 12.00  6v6gt 10.00  6hs6 7.00
> > > Other amateur radio tubes are avaliable
> > > Used tubes 50% off of new prices (test 70-100% of new)
> > > www.hamtubes.com
> > > tubes@hamtubes.com
> > >
> > >
> > >
> >
> >
>
> bieker, are these tubes good and how do you prove it?  and where are
> you getting them , considering they are in short supply?  and oh yes,
> don't tell me they test good, that really doesn't tell you much, a
> mediocre tube can test good ,but it won't put out,......cd is out....

dan
Obviously you must have been burned on some tubes you purchased dirt cheap
on ebay or from a swap meet
I'm not online to rip off people.Yes I use a tubetesters and a good ones at
that.
I use hickok 539c,118b,tv7 & sencore mutual conductance tube testers.All the
testers where calibrated professionally
If you have any knowledge about tubes you that they are the best testers out
there.
Occasionly a tester can be wrong  .Over the years I have found the best way
to test a tube is to put it in to a circuit but
in most situations it is not feasible.
```

You say tubes won't put out ?? Even a weak tube will put out to a point if a radio or amp is properly tuned buy a qualified tech It sometimes is not as simple as replacing a tube

Track record on sales??
check ebay under my call sign n9tew
I dont sell tubes under a allies name

Why do you say tubes are in short supply???
In 5-10 years maybe
I saw plenty of tubes at the dayton hamvention
Bob

>
> Sent via Deja.com http://www.deja.com/
> Before you buy.

From -4410862982304296l5
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,76a1c96b8ca6fb9,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,76a1c96b8ca6fb9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,76a1c96b8ca6fb9,start
X-Google-Attributes: gid114aac,public
From: "Carmine Prestia" <cwp101@psu.edu>
Subject: FA: Royce SWR RF Power Mod Field Strength Meter
Date: 2000/06/17
Message-ID: <Nkz25.6866$A%3.72677@news1.rdc2.pa.home.com>#1/1
X-Deja-AN: 635550105
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.pa.home.com 961200557 24.8.222.78 (Fri, 16 Jun 2000 17:09:17 PDT)
Organization: @Home Network
X-MSMail-Priority: Normal
NNTP-Posting-Date: Fri, 16 Jun 2000 17:09:17 PDT
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.radio.shortwave

Check it out! For Auction on Ebay for hams, CB operators, or collectors.

Royce SWR RF Power Mod Field Strength Meter

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=359261492

Carmine Prestia
K3CWP

From 1189824368945332028
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,88d477ba04884797,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,88d477ba04884797,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,88d477ba04884797,start
X-Google-Attributes: gid10ed5f,public
From: "Carmine Prestia" <cwp101@psu.edu>
Subject: FA: Dentron Super Tuner
Date: 2000/06/17
Message-ID: <Eoz25.6870$A%3.73280@news1.rdc2.pa.home.com>#1/1
X-Deja-AN: 635551367
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.pa.home.com 961200804 24.8.222.78 (Fri, 16 Jun 2000 17:13:24 PDT)
Organization: @Home Network
X-MSMail-Priority: Normal
NNTP-Posting-Date: Fri, 16 Jun 2000 17:13:24 PDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,rec.ham-radio

Check it out for auction on Ebay. Need a tuner for your QTH to help you get on the air?

Dentron Super Tuner

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=359773767

Carmine Prestia
K3CWP

From -1512184578563187676
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6de21d12b06c85c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,a6de21d12b06c85c,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: fb049,a6de21d12b06c85c,start
X-Google-Attributes: gidfb049,public

From: "Jeroen Jansen" <jeroen@Vossers.tmfweb.nl>
Subject: Magnum Delta Force or President Lincon????????
Date: 2000/06/17
Message-ID: <8ienvp$loo$1@azure.nl.gxn.net>#1/1
X-Deja-AN: 635582769
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: abuse@nl.gxn.net
X-Trace: azure.nl.gxn.net 961209145 22296 62.100.7.192 (17 Jun 2000 02:32:25 GMT)
Organization: FreeSurf
X-MSMail-Priority: Normal
NNTP-Posting-Date: 17 Jun 2000 02:32:25 GMT
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio,rec.radio.cb

I'm going to buy a new cb tranciever, but i don't know witch of the 2 I should take.

I know the Lincon, because some of my friends have got them, but I hear incredable things about the Magnum Delta Force too.

I want in the first place for the SSB and in the second place for the FM.

Whitch should I take, looking at preformance and power????

I'm working here with a Shakespear Fiberglass 5/8 wave antenna, and a
Alan/CTE International K222 SWR/Power meter.
and at this moment a President George (1994 edition/first edition, black
display with colour letters and numbers)
(With code) and a 3 to 5 Amp. power supply (this is going to be a 20 to 22
Amp. power supply)

thanx
Jeroen Jansen
19 JJ 01
Jeroen@vossers.tmfweb.nl

From -5372333714605420544
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6de21d12b06c85c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,a6de21d12b06c85c
X-Google-Attributes: gid106d41,public
X-Google-Thread: fb049,a6de21d12b06c85c
X-Google-Attributes: gidfb049,public
From: "Banjo Bluesman" <NotARealMailAddress@die.spammer.die>
Subject: Re: Magnum Delta Force or President Lincon????????
Date: 2000/06/17

Message-ID: <QaN25.3636$eb4.289663@news.flash.net>#1/1
X-Deja-AN: 635739337
References: <8ienvp$loo$1@azure.nl.gxn.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: abuse@flash.net
X-Trace: news.flash.net 961257264 216.215.104.104 (Sat, 17 Jun 2000 10:54:24 CDT)
Organization: FlashNet Communications, http://www.flash.net
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 17 Jun 2000 10:54:24 CDT
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio,rec.radio.cb

Nice flame-bait, troll.

From 7694592172575331572
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6de21d12b06c85c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,a6de21d12b06c85c
X-Google-Attributes: gidfb049,public
X-Google-Thread: 106d41,a6de21d12b06c85c
X-Google-Attributes: gid106d41,public
From: "Scooter" <Scooter@skipland.zzn.com>
Subject: Re: Magnum Delta Force or President Lincon????????
Date: 2000/06/18
Message-ID: <ZU_25.1555$j06.6519@newsfeed.slurp.net>#1/1
X-Deja-AN: 635943052
References: <8ienvp$loo$1@azure.nl.gxn.net> <QaN25.3636$eb4.289663@news.flash.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 961313465 209.161.76.202 (Sun, 18 Jun 2000 02:31:05 CDT)
X-MSMail-Priority: Normal
Reply-To: "Scooter" <Scooter@skipland.zzn.com>
NNTP-Posting-Date: Sun, 18 Jun 2000 02:31:05 CDT
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio,rec.radio.cb

Not to mention either are type accepted CB transceivers.

Banjo Bluesman <NotARealMailAddress@die.spammer.die> wrote in message
news:QaN25.3636$eb4.289663@news.flash.net...
> Nice flame-bait, troll.
>
>

```
From -835556300786250058
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6de21d12b06c85c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,a6de21d12b06c85c
X-Google-Attributes: gidfb049,public
X-Google-Thread: 106d41,a6de21d12b06c85c
X-Google-Attributes: gid106d41,public
From: "Scooter" <Scooter@skipland.zzn.com>
Subject: Re: Magnum Delta Force or President Lincon????????
Date: 2000/06/18
Message-ID: <1i%25.1558$j06.7197@newsfeed.slurp.net>#1/1
X-Deja-AN: 635947154
References: <8ienvp$loo$1@azure.nl.gxn.net> <QaN25.3636$eb4.289663@news.flash.net>
<ZU_25.1555$j06.6519@newsfeed.slurp.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 961315069 209.161.76.195 (Sun, 18 Jun 2000 02:57:49
CDT)
X-MSMail-Priority: Normal
Reply-To: "Scooter" <Scooter@skipland.zzn.com>
NNTP-Posting-Date: Sun, 18 Jun 2000 02:57:49 CDT
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio,rec.radio.cb

Forgot the rest of it though.  A Pres Lincoln is an excellent choice as long
as it hasn't been touched, or it has been done correctly.


Scooter <Scooter@skipland.zzn.com> wrote in message
news:ZU_25.1555$j06.6519@newsfeed.slurp.net...
> Not to mention either are type accepted CB transceivers.
>
>
> Banjo Bluesman <NotARealMailAddress@die.spammer.die> wrote in message
> news:QaN25.3636$eb4.289663@news.flash.net...
> > Nice flame-bait, troll.
> >
> >
>
>
```

```
From -2873469044305802944
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,bb20450ae4ea537d,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,bb20450ae4ea537d,start
X-Google-Attributes: gid10c9e3,public
From: "Carmine Prestia" <cwp101@psu.edu>
```

Subject: FA: Transel Mark II A Wattmeter
Date: 2000/06/18
Message-ID: <PY335.10373$A%3.89712@news1.rdc2.pa.home.com>#1/1
X-Deja-AN: 636004310
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.pa.home.com 961334191 24.8.222.78 (Sun, 18 Jun 2000 06:16:31 PDT)
Organization: @Home Network
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 18 Jun 2000 06:16:31 PDT
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio

Check it out! Being auctioned on ebay a nice Transel Mark II A Wattmeter,
SWR Bridge, and AM Modulation Monitor, Max 2000 Watts.

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=360805130

From -2543541501100047751
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6de21d12b06c85c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,a6de21d12b06c85c
X-Google-Attributes: gidfb049,public
X-Google-Thread: 106d41,a6de21d12b06c85c
X-Google-Attributes: gid106d41,public
From: Brad <ka8tok@NOSPAM.four-way.net>
Subject: Re: Magnum Delta Force or President Lincon????????
Date: 2000/06/18
Message-ID: <csfqkssmfg094vvrtau479d9aonpk2369g@4ax.com>#1/1
X-Deja-AN: 636136266
Content-Transfer-Encoding: 7bit
References: <8ienvp$loo$1@azure.nl.gxn.net> <QaN25.3636$eb4.289663@news.flash.net> <ZU_25.1555$j06.6519@newsfeed.slurp.net>
Content-Type: text/plain; charset=us-ascii
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
X-Complaints-To: support@usenetserver.com
Organization: WebUseNet Corp http://www.usenetserver.com - Home of the fastest NNTP servers on the Net.
MIME-Version: 1.0
NNTP-Posting-Date: Sun, 18 Jun 2000 17:31:09 EDT
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio,rec.radio.cb

That's because the are 10 Meter ham radios not CB's.

On Sun, 18 Jun 2000 03:55:02 -0400, "Scooter" <Scooter@skipland.zzn.com>

```
wrote:

>Not to mention either are type accepted CB transceivers.
>
>
>Banjo Bluesman <NotARealMailAddress@die.spammer.die> wrote in message
>news:QaN25.3636$eb4.289663@news.flash.net...
>> Nice flame-bait, troll.
>>
>>
>
```

```
From -1034855770547246122
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6de21d12b06c85c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,a6de21d12b06c85c
X-Google-Attributes: gid106d41,public
X-Google-Thread: fb049,a6de21d12b06c85c
X-Google-Attributes: gidfb049,public
From: Brad <ka8tok@NOSPAM.four-way.net>
Subject: Re: Magnum Delta Force or President Lincon????????
Date: 2000/06/18
Message-ID: <lsfqks44nt40tp9qg27bhr15q857s2990f@4ax.com>#1/1
X-Deja-AN: 636136294
Content-Transfer-Encoding: 7bit
References: <8ienvp$loo$1@azure.nl.gxn.net> <QaN25.3636$eb4.289663@news.flash.net>
<ZU_25.1555$j06.6519@newsfeed.slurp.net> <1i%25.1558$j06.7197@newsfeed.slurp.net>
Content-Type: text/plain; charset=us-ascii
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
X-Complaints-To: support@usenetserver.com
Organization: WebUseNet Corp  http://www.usenetserver.com - Home of the fastest
NNTP servers on the Net.
MIME-Version: 1.0
NNTP-Posting-Date: Sun, 18 Jun 2000 17:31:10 EDT
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio,rec.radio.cb
```

Both are really good radios as long as they are setup properly.

On Sun, 18 Jun 2000 04:21:45 -0400, "Scooter" <Scooter@skipland.zzn.com>
wrote:

```
>Forgot the rest of it though.  A Pres Lincoln is an excellent choice as long
>as it hasn't been touched, or it has been done correctly.
>
>
>Scooter <Scooter@skipland.zzn.com> wrote in message
>news:ZU_25.1555$j06.6519@newsfeed.slurp.net...
```

```
>> Not to mention either are type accepted CB transceivers.
>>
>>
>> Banjo Bluesman <NotARealMailAddress@die.spammer.die> wrote in message
>> news:QaN25.3636$eb4.289663@news.flash.net...
>> > Nice flame-bait, troll.
>> >
>> >
>>
>>
>
```

```
From -2724544013566753731
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c40f23f0907953d9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,c40f23f0907953d9,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 106d41,c40f23f0907953d9,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 115af6,c40f23f0907953d9,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: f76e2,c40f23f0907953d9,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,c40f23f0907953d9,start
X-Google-Attributes: gid1109af,public
From: "BOB BIEKER" <tubes@hamtubes.com>
Subject: tubes for sale
Date: 2000/06/24
Message-ID: <6z255.721$E82.2892@newsfeed.slurp.net>#1/1
X-Deja-AN: 638430245
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Trace: newsfeed.slurp.net 961852738 209.100.92.87 (Sat, 24 Jun 2000 08:18:58
CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 24 Jun 2000 08:18:58 CDT
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio,rec.radio.cb,rec.radio.shortwave,rec.radio.swap
```

```
BOB BIEKER <tubes@hamtubes.com> wrote in message news:...
> Tubes for sale
> New m/p 6js6c & the 12by7 driver 70.00 (35.00 each)
> New  m/p ge 6jb6a or 6146w & 12by7 or 6cl6 driver 38.00 (19.00 each)
> 6lq6 35.00  6lf6 40.00  20lf6 40.00  6lr6 25.00  6jg6 25.00  6kd6 32.00
> 6lb6 20.00 24lq6 18.00 31lq6 15.00 30kd6 20.00 35lr6 18.00 6kv6 35.00
```

> 6cl6 5.00 12by7 7.00 6bq5 12.00 6v6gt 10.00 6hs6 7.00
> Other amateur radio tubes are avaliable
> Used tubes 50% off of new prices (test 70-100% of new)
> www.hamtubes.com
> tubes@hamtubes.com
>
>
>

From 2731465952605230271
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4dd1db3b56266c86,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,4dd1db3b56266c86,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: f5845,4dd1db3b56266c86,start
X-Google-Attributes: gidf5845,public
X-Google-Thread: 1035e7,4dd1db3b56266c86,start
X-Google-Attributes: gid1035e7,public
X-Google-Thread: 1120e4,4dd1db3b56266c86,start
X-Google-Attributes: gid1120e4,public
X-Google-Thread: 11480d,4dd1db3b56266c86,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,4dd1db3b56266c86,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb6c1,4dd1db3b56266c86,start
X-Google-Attributes: gidfb6c1,public
From: "Andre" <pa5wx@amsat.org>
Subject: New ES on 144 Mhz on 24-6-2000
Date: 2000/06/24
Message-ID: <7_855.52$55.5222@zwolle.home.nl>#1/1
X-Deja-AN: 638543558
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@home.nl
X-Trace: zwolle.home.nl 961879043 212.120.68.216 (Sat, 24 Jun 2000 22:37:23 MET DST)
Organization: @Home Network
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 24 Jun 2000 22:37:23 MET DST
Newsgroups: nl.media.radio,nl.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,se.hobby.amatorradio,tnn.radio.amateur,uk.radio.amateur

I have the new RealAudio files from the ES opening
on 2 Metre 144 Mhz 24-6-2000 on my homepage

http://www.qsl.net/pa5wx

73 Andre PA5WX

From -6127959813127996686
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4dd1db3b56266c86
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1035e7,4dd1db3b56266c86
X-Google-Attributes: gid1035e7,public
X-Google-Thread: fb6c1,4dd1db3b56266c86
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: 1120e4,4dd1db3b56266c86
X-Google-Attributes: gid1120e4,public
X-Google-Thread: f5845,4dd1db3b56266c86
X-Google-Attributes: gidf5845,public
X-Google-Thread: fa656,4dd1db3b56266c86
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,4dd1db3b56266c86
X-Google-Attributes: gid11480d,public
X-Google-Thread: f64c6,4dd1db3b56266c86
X-Google-Attributes: gidf64c6,public
From: "Ruud" <ruud.brand@wxs.nl>
Subject: Re: New ES on 144 Mhz on 24-6-2000
Date: 2000/06/25
Message-ID: <8j4g3f$96up3$1@reader1.wxs.nl>#1/1
X-Deja-AN: 638685943
References: <7_855.52$55.5222@zwolle.home.nl>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
X-Complaints-To: abuse@wxs.nl
X-Trace: reader1.wxs.nl 961921967 9665315 195.121.198.192 (25 Jun 2000 08:32:47 GMT)
Organization: Planet Internet
NNTP-Posting-Date: 25 Jun 2000 08:32:47 GMT
Newsgroups: nl.media.radio,nl.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,se.hobby.amatorradio,tnn.radio.amateur,uk.radio.amateur

Welke landen kon je werken ??
FM was ook open 'savonds.
Ruud

Andre wrote in message <7_855.52$55.5222@zwolle.home.nl>...
>I have the new RealAudio files from the ES opening
>on 2 Metre 144 Mhz 24-6-2000 on my homepage
>

>http://www.qsl.net/pa5wx
>
>73 Andre PA5WX
>
>
>
>
>
>
>

From -8785745645298283911
X-Google-Language: DUTCH,ASCII-7-bit
X-Google-Thread: 10c9e3,4dd1db3b56266c86
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,4dd1db3b56266c86
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 1035e7,4dd1db3b56266c86
X-Google-Attributes: gid1035e7,public
X-Google-Thread: f5845,4dd1db3b56266c86
X-Google-Attributes: gidf5845,public
X-Google-Thread: 11480d,4dd1db3b56266c86
X-Google-Attributes: gid11480d,public
X-Google-Thread: fb6c1,4dd1db3b56266c86
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: 1120e4,4dd1db3b56266c86
X-Google-Attributes: gid1120e4,public
X-Google-Thread: fa656,4dd1db3b56266c86
X-Google-Attributes: gidfa656,public
From: "Rink" <rink.hof@planet.nl>
Subject: Re: New ES on 144 Mhz on 24-6-2000
Date: 2000/06/25
Message-ID: <8j4p19$9jlfh$1@reader2.wxs.nl>#1/1
X-Deja-AN: 638711803
References: <7_855.52$55.5222@zwolle.home.nl> <8j4g3f$96up3$1@reader1.wxs.nl>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
X-Complaints-To: abuse@wxs.nl
X-Trace: reader2.wxs.nl 961931113 10081777 195.121.175.220 (25 Jun 2000 11:05:13 GMT)
Organization: Planet Internet
NNTP-Posting-Date: 25 Jun 2000 11:05:13 GMT
Newsgroups: nl.media.radio,nl.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,se.hobby.amatorradio,tnn.radio.amateur,uk.radio.amateur

Heb ik ook gemerkt.
5 Spaanse zenders met RDS op mijn draadantenne binnenshuis !

Wie weet welke zender "NATIONAL" op het RDS-scherm zet?

```
Heb ik ontvagen op 89.6.
Parallel frequenties (AF's) zijn 95.0/96.5/93.0/96.6/89.1

Rink
rink.hof@planet.nl


Ruud heeft geschreven in bericht <8j4g3f$96up3$1@reader1.wxs.nl>...
>Welke landen kon je werken ??
>FM was ook open 'savonds.
>Ruud
>
>Andre wrote in message <7_855.52$55.5222@zwolle.home.nl>...
>>I have the new RealAudio files from the ES opening
>>on 2 Metre 144 Mhz  24-6-2000 on my homepage
>>
>>http://www.qsl.net/pa5wx
>>
>>73 Andre PA5WX
>






From -4658073813108056029
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c40f23f0907953d9
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,c40f23f0907953d9
X-Google-Attributes: gid114aac,public
X-Google-Thread: 106d41,c40f23f0907953d9
X-Google-Attributes: gid106d41,public
X-Google-Thread: 115af6,c40f23f0907953d9
X-Google-Attributes: gid115af6,public
X-Google-Thread: 1109af,c40f23f0907953d9
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,c40f23f0907953d9
X-Google-Attributes: gidf76e2,public
From: "BOB BIEKER" <tubes@hamtubes.com>
Subject: tubes for sale
Date: 2000/06/30
Message-ID: <vJZ65.675$JZ4.2231@newsfeed.slurp.net>#1/1
X-Deja-AN: 640741348
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Trace: newsfeed.slurp.net 962357211 209.100.92.47 (Fri, 30 Jun 2000 04:26:51
CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Fri, 30 Jun 2000 04:26:51 CDT
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio,rec.radio.cb,rec.radio.shortwave,rec.radio.swap
```

BOB BIEKER <tubes@hamtubes.com> wrote in message news:...
> Tubes for sale
> New m/p 6js6c & the 12by7 driver 70.00 (35.00 each)
> New m/p ge 6jb6a or 6146w & 12by7 or 6cl6 driver 38.00 (19.00 each)
> 6lq6 35.00 6lf6 40.00 20lf6 40.00 6lr6 25.00 6jg6 25.00 6kd6 32.00
> 6lb6 20.00 24lq6 18.00 31lq6 15.00 30kd6 20.00 35lr6 18.00 6kv6 35.00
> 6cl6 5.00 12by7 7.00 6bq5 12.00 6v6gt 10.00 6hs6 7.00
> Other amateur radio tubes are avaliable
> Used tubes 50% off of new prices (test 70-100% of new)
> www.hamtubes.com
> tubes@hamtubes.com
>
>
>

From -7482497302592576894
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1ccf787a656d3010
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,1ccf787a656d3010
X-Google-Attributes: gidfb049,public
From: Hulen Smith <hcsmith@ijntb.net>
Subject: Re: MICOR C73RXB repeater
Date: 2000/07/01
Message-ID: <395E7E3D.C880A943@ijntb.net>#1/1
X-Deja-AN: 641339516
Content-Transfer-Encoding: 7bit
References: <EsFR4.41$K_1.700@newsfeed.slurp.net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: newsabuse@supernews.com
Organization: Posted via Supernews, http://www.supernews.com
MIME-Version: 1.0
Reply-To: hcsmith@ijntb.net
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio

Answer to your question is yes. However, you wouldn't want to have in done because of severe degradation
in receiver sensitivity and low transmit power output. Components can be changed but not worth the time and trouble, being a Micor that is....IMHO. If your looking to convert a commercial radio or repeater, look for one
in the low or mid vhf range. I have converted quite a few of these with acceptable to as spec performance.
Good luck.

Best
hulen smith

wb5uoi & commercial L

richard d'avy wrote:

> I've come on to a Motorola Micor C73RXB repeater that is tuned around 170
> MHz. My question is can these repeaters be tuned down into the two meter
> band. I have the manuals they say that the PA operates from 162 - 174, and
> the exciter from 150.8 - 174. I know that the ExecII radios could be "slid"
> down some outside of their specs, how about these anybody know?
>
> Thanks
>
> Richard /N5YPJ

From -2743080444659433710
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,5e3831d1a40fa65d,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,5e3831d1a40fa65d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,5e3831d1a40fa65d,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,5e3831d1a40fa65d,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc8b1,5e3831d1a40fa65d,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 114a57,5e3831d1a40fa65d,start
X-Google-Attributes: gid114a57,public
From: Kevin <murray@spybusters.com>
Subject: Telegraph Key Collection Liquidation
Date: 2000/07/10
Message-ID: <3969D6C2.C916AB24@spybusters.com>#1/1
X-Deja-AN: 644608074
Content-Transfer-Encoding: 7bit
X-Accept-Language: en,pdf
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
X-Trace: 10 Jul 2000 09:59:34 -0400, ufo-2.eclipse.net
MIME-Version: 1.0
Reply-To: murray@spybusters.com
Newsgroups: alt.ham-radio.hf,alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.boatanchors,rec.radio.swap

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=377809566

Lots of nice pictures.
I am auctioning these for a friend of mine.
Thank you for your consideration.

```
Kevin




From -8128362003505777877
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,22c07cd3127af0cb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,22c07cd3127af0cb,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,22c07cd3127af0cb,start
X-Google-Attributes: gid108778,public
From: "Boilermaker" <nospam@nicetry.org>
Subject: FS: ADI AT-600 dual Bander Losts of Extras 3 days left
Date: 2000/07/12
Message-ID: <60Ua5.18130$7i6.319757@zombie.newscene.com>#1/1
X-Deja-AN: 645355921
Organization: Newscene Public Access Usenet News Service (http://
www.newscene.com/)
X-MSMail-Priority: Normal
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6700
Newsgroups: alt.radio.amateur,rec.ham-radio,rec.radio.amateur.equipment

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=377882074






From -1408764247598081637
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,22c07cd3127af0cb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,22c07cd3127af0cb
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,22c07cd3127af0cb
X-Google-Attributes: gid108778,public
From: "Roger Halstead" <rdhalste@tm.net>
Subject: Re: ADI AT-600 dual Bander Losts of Extras 3 days left
Date: 2000/07/12
Message-ID: <F%0b5.876$Y91.123495@newshog.newsread.com>#1/1
X-Deja-AN: 645531332
References: <60Ua5.18130$7i6.319757@zombie.newscene.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
X-Complaints-To: Abuse Role <abuse@tm.net>, We Care <abuse@newsread.com>
X-Trace: newshog.newsread.com 963419237 64.7.163.112 (Wed, 12 Jul 2000 12:27:17
```

EDT)
Organization: The Mercury Network (tm.net)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Wed, 12 Jul 2000 12:27:17 EDT
Newsgroups: alt.radio.amateur,rec.ham-radio,rec.radio.amateur.equipment

Why mark FS when it's FA.

--
Roger Halstead (K8RI) www.RogerHalstead.com
N833R World's Oldest Debonair? s# CD-2

"Boilermaker" <nospam@nicetry.org> wrote in message
news:60Ua5.18130$7i6.319757@zombie.newscene.com...
> http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=377882074
>
>
>
>
>

From 5851369215317093029
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,22c07cd3127af0cb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,22c07cd3127af0cb
X-Google-Attributes: gid108778,public
X-Google-Thread: 108122,22c07cd3127af0cb
X-Google-Attributes: gid108122,public
From: "Boilermaker" <nospam@nicetry.org>
Subject: Re: ADI AT-600 dual Bander Losts of Extras 3 days left
Date: 2000/07/13
Message-ID: <wccb5.500$5s4.9662@zombie.newscene.com>#1/1
X-Deja-AN: 645773494
References: <60Ua5.18130$7i6.319757@zombie.newscene.com>
<F%0b5.876$Y91.123495@newshog.newsread.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6700
Organization: Newscene Public Access Usenet News Service (http://
www.newscene.com/)
X-MSMail-Priority: Normal
Newsgroups: alt.radio.amateur,rec.ham-radio,rec.radio.amateur.equipment

sorry marked it wrong
Mitch

--
http://www.palmfilez.com/   Shareware, freeware for the palm / visor
organizer

"Roger Halstead" <rdhalste@tm.net> wrote in message
news:F%0b5.876$Y91.123495@newshog.newsread.com...

> Why mark FS when it's FA.

From -7649533627004348146
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,1d07831b470469e,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,1d07831b470469e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,1d07831b470469e,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,1d07831b470469e,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc8b1,1d07831b470469e,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 114a57,1d07831b470469e,start
X-Google-Attributes: gid114a57,public
From: Kevin <murray@spybusters.com>
Subject: FA Telegraph Key Collection Liquidation - Final hours - Great photos
Date: 2000/07/15
Message-ID: <3970813D.2E84850B@spybusters.com>#1/1
X-Deja-AN: 646706435
Content-Transfer-Encoding: 7bit
X-Accept-Language: en,pdf
Content-Type: text/plain; charset=us-ascii
X-Trace: 15 Jul 2000 11:20:30 -0400, ufo-2.eclipse.net
MIME-Version: 1.0
Reply-To: murray@spybusters.com
Newsgroups: alt.ham-radio.hf,alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.boatanchors,rec.radio.swap

FINAL HOURS

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=377809566

Lots of nice pictures.
I am auctioning these for a friend of mine.
Thank you for your consideration.

Kevin

From 2761890528375440720
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,7c899fd24b857f84,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,7c899fd24b857f84,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,7c899fd24b857f84,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,7c899fd24b857f84,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f76e2,7c899fd24b857f84,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10ed5f,7c899fd24b857f84,start
X-Google-Attributes: gid10ed5f,public
From: "CJ Jeff" <fourwheelinjeepcj5@yahoo.com>
Subject: FL 2100-F
Date: 2000/07/15
Message-ID: <gH%b5.17461$8u4.197405@news1.rdc1.bc.home.com>#1/1
X-Deja-AN: 646712753
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.bc.home.com 963675980 24.112.125.78 (Sat, 15 Jul 2000 08:46:20
PDT)
Organization: @Home Network Canada
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 15 Jul 2000 08:46:20 PDT
Newsgroups: alt.ham-radio,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur
.misc

I just bought one of these and am kicking myself . If anyone wants a 2100-F
that looks like new , see this one I found on E-bay .

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=380989353

http://homepages.go.com/~jagzilla2345/YaesuFL2100F           <   Picture of
it






From 6935344419611729
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31cbff65b1e70337,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11238e,31cbff65b1e70337,start
X-Google-Attributes: gid11238e,public
X-Google-Thread: fc8b1,31cbff65b1e70337,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f84e8,31cbff65b1e70337,start
X-Google-Attributes: gidf84e8,public
X-Google-Thread: fcc6e,31cbff65b1e70337,start
X-Google-Attributes: gidfcc6e,public
```

X-Google-Thread: 11480d,31cbff65b1e70337,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: f7653,31cbff65b1e70337,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: fa656,31cbff65b1e70337,start
X-Google-Attributes: gidfa656,public
From: "Ron Hutchison" <w4et@ispchannel.com>
Subject: Please visit my web page
Date: 2000/07/19
Message-ID: <_Bld5.2622$0H4.1933443@news1.onlynews.com>#1/1
X-Deja-AN: 648278789
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
X-Trace: onlyNews customer
X-MSMail-Priority: Normal
NNTP-Posting-Date: Wed, 19 Jul 2000 10:31:38 PDT
X-Inktomi-Trace: cacheserver.marshallco.ispchannel.com 964027522 303 208.60.119.71 (19 Jul 2000 17:25:22 GMT)
Newsgroups: pnet.rec.radio.amateur.talk,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebr

I would like to invite you to visit my Amateur Radio Web Page.

The URL is http://www.geocities.com/w4et.geo/

It has the following links of interest to amateurs.

Weather Pages
Callsign Lookup with Vanity Information
Individual/Club Amateur Radio Pages
U.S. Amateur Radio Frequency Guide
Links to CW (Morse Code) Pages
Kentucky Army MARS Page
National Traffic Links
Digital Modes Links
Propagation Pages
Search Engines
Pages dealing with Space exploration
Shortwave Radio Frequency Guide
DX/Contest Pages
Links to Radio Magazines
Local (Murray, Ky.) VHF-UHF Frequencies
VHF Sideband Pages
SAMPLES OF MY QSL CARD DESIGNS
FCC Homepage
FCC Amateur Radio Service

Thanks and 73
DE Ron - W4ET

```
From 7646201107183101891
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31cbff65b1e70337
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11480d,31cbff65b1e70337
X-Google-Attributes: gid11480d,public
X-Google-Thread: f84e8,31cbff65b1e70337
X-Google-Attributes: gidf84e8,public
X-Google-Thread: f7653,31cbff65b1e70337
X-Google-Attributes: gidf7653,public
X-Google-Thread: fcc6e,31cbff65b1e70337
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 11238e,31cbff65b1e70337
X-Google-Attributes: gid11238e,public
X-Google-Thread: fc8b1,31cbff65b1e70337
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa656,31cbff65b1e70337
X-Google-Attributes: gidfa656,public
From: Louis Albert <lalbert@uakron.edu>
Subject: Re: Please visit my web page
Date: 2000/07/19
Message-ID: <397632A1.1CB89A6@uakron.edu>#1/1
X-Deja-AN: 648400661
Content-Transfer-Encoding: 7bit
References: <_Bld5.2622$0H4.1933443@news1.onlynews.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@rr.com
X-Trace: typhoon.columbus.rr.com 964047513 24.93.195.211 (Wed, 19 Jul 2000
18:58:33 EDT)
Organization: http://www.ifip.com/
MIME-Version: 1.0
NNTP-Posting-Date: Wed, 19 Jul 2000 18:58:33 EDT
Newsgroups: pnet.rec.radio.amateur.talk,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,re
c.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.ra
dio.amateur.equipment,rec.radio.amateur.homebr
```

After Ron's "page" please link to my "page's." I hope my "pages" are both enjoyable and information. The idea of a internet page is never done!
http://ifip.com/wa8phd.htm

Lou WA8PHD
http://www.ifip.com/

Ron Hutchison wrote:

> I would like to invite you to visit my Amateur Radio Web Page.

>
> The URL is http://www.geocities.com/w4et.geo/
>
> It has the following links of interest to amateurs.
>
> Weather Pages
> Callsign Lookup with Vanity Information
> Individual/Club Amateur Radio Pages
> U.S. Amateur Radio Frequency Guide
> Links to CW (Morse Code) Pages
> Kentucky Army MARS Page
> National Traffic Links
> Digital Modes Links
> Propagation Pages
> Search Engines
> Pages dealing with Space exploration
> Shortwave Radio Frequency Guide
> DX/Contest Pages
> Links to Radio Magazines
> Local (Murray, Ky.) VHF-UHF Frequencies
> VHF Sideband Pages
> SAMPLES OF MY QSL CARD DESIGNS
> FCC Homepage
> FCC Amateur Radio Service
>
> Thanks and 73
> DE Ron - W4ET

From 7874881421286763855
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,930ff7e0a8446d12,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 114aac,930ff7e0a8446d12,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,930ff7e0a8446d12,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,930ff7e0a8446d12,start
X-Google-Attributes: gid10ed5f,public
From: "Carmine Prestia" <cwp101@psu.edu>
Subject: FA: MFJ CWF-2 Active Audio Filter
Date: 2000/07/25
Message-ID: <eN6f5.63344$A%3.842624@news1.rdc2.pa.home.com>#1/1
X-Deja-AN: 650379105
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.pa.home.com 964491466 24.8.222.78 (Mon, 24 Jul 2000 19:17:46 PDT)
Organization: @Home Network
X-MSMail-Priority: Normal

NNTP-Posting-Date: Mon, 24 Jul 2000 19:17:46 PDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,rec.ham-radio,rec.radio.shortwave

For Auction on ebay an older MFJ filter that would be nice for the QRPer and CW Op without laying out a lot of cash. See the following URL:

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=391421287

Thank you.
Carmine W. Prestia, Jr.
73 K3CWP

From -6446464021931660338
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,f8c5a3d0a599643,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,f8c5a3d0a599643,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,f8c5a3d0a599643,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114fbf,f8c5a3d0a599643,start
X-Google-Attributes: gid114fbf,public
From: "Carmine Prestia" <cwp101@psu.edu>
Subject: FA: Murch UT 2000-B Universal Transmatch 160 - 10 Meters
Date: 2000/07/28
Message-ID: <IH4g5.69964$A%3.929578@news1.rdc2.pa.home.com>#1/1
X-Deja-AN: 651630787
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.pa.home.com 964745064 24.8.222.78 (Thu, 27 Jul 2000 17:44:24 PDT)
Organization: @Home Network
X-MSMail-Priority: Normal
NNTP-Posting-Date: Thu, 27 Jul 2000 17:44:24 PDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.ham-radio.rtty,rec.ham-radio

An excellent value in a good transmatch just posted on ebay for anyone interested.

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=394306369

Thanks for looking.

Carmine Prestia, K3CWP

From -1275373421960805271
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,354526c738f8aad4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1120e4,354526c738f8aad4,start
X-Google-Attributes: gid1120e4,public
X-Google-Thread: fa656,354526c738f8aad4,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f64c6,354526c738f8aad4,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 11480d,354526c738f8aad4,start
X-Google-Attributes: gid11480d,public
From: "OZ6OM" <oz6om_nospammail_@qsl.net>
Subject: 50 MHz DX Bulletin (030)
Date: 2000/07/30
Message-ID: <0vKg5.7281$h3.70957@news000.worldonline.dk>#1/1
X-Deja-AN: 652298922
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: news-abuse@wol.dk
X-Trace: news000.worldonline.dk 964916284 212.54.69.83 (Sun, 30 Jul 2000 02:18:04 MET DST)
Organization: Customer of World Online
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 30 Jul 2000 02:18:04 MET DST
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,se.hobby.amatorradio,uk.radio.amateur

Dr OM/YL

This mail to inform interested that the latest
edition of the OZ50MHz DX Bulletin #00-030 is now
uploaded at my website, at the adress;

http://www.qsl.net/oz6om/

Please have in mind that the OZ50MHz DX Bulletin
usually is uploaded late Saturday evening (UT time)

vy 73 de OZ6OM / OZ7M "Matt"

From 4560460875232333447
X-Google-Language: FRENCH,ASCII-7-bit
X-Google-Thread: 10c9e3,4dd1db3b56266c86
X-Google-Attributes: gid10c9e3,public

```
X-Google-Thread: f5845,4dd1db3b56266c86
X-Google-Attributes: gidf5845,public
X-Google-Thread: 1120e4,4dd1db3b56266c86
X-Google-Attributes: gid1120e4,public
X-Google-Thread: 11480d,4dd1db3b56266c86
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,4dd1db3b56266c86
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb6c1,4dd1db3b56266c86
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: f64c6,4dd1db3b56266c86
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 1035e7,4dd1db3b56266c86
X-Google-Attributes: gid1035e7,public
From: elektros2@yahoo.com (Alun Palmer)
Subject: Re: A VENDREDI ...........!
Date: 2000/08/01
Message-ID: <39865cae.1506150@news.cis.dfn.de>#1/1
X-Deja-AN: 653083630
References: <7_855.52$55.5222@zwolle.home.nl> <8j4g3f$96up3$1@reader1.wxs.nl>
<8j4p19$9jlfh$1@reader2.wxs.nl> <N.0708100.230058.01@ppp-247.net10.magic.fr>
X-Trace: fu-berlin.de 965107049 6106642 209.244.209.245 (16 [33986])
Newsgroups: nl.media.radio,nl.radio.amateur,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,se.hobby.amatorradio,tnn.radio.amateu
r,uk.radio.amateur

On Sat, 08 Jul 100 21:00:57 GMT, fra494@magic.fr wrote:
Pas de CB sur les newsgroups de hams, s'il vous plait!!!
N3KIP
>
>A VENDREDI......
>
>
>******************* EXPEDITION  PACKET SPECIALE 14 JUILLET 2000 ****************
>
>Date: 14 JUILLET 2000.
>Bande 11 Metres.
>FREQUENCY: 27.405 Mhz  ou Kanal 40.
>MODE: FM
>VITESSE/ 1200 Bds
>CONFIRMATION DES CONTACTS PAR CARTES QSL.
>A PLUS SUR LA QRG
>RF29FN.
>
>




From -4413743324692541181
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e971ee9bd245462e,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-Thread: f64c6,e971ee9bd245462e,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 114a57,e971ee9bd245462e,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: 105955,e971ee9bd245462e,start
X-Google-Attributes: gid105955,public
X-Google-Thread: f55c2,e971ee9bd245462e,start
X-Google-Attributes: gidf55c2,public
From: "Howard P" <howard.g7lqy@btinternet.com>
Subject: HELP: Icom IC-751A
Date: 2000/08/03
Message-ID: <8mcfnh$eph$1@neptunium.btinternet.com>#1/1
X-Deja-AN: 654133504
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6700
Organization: BT Internet
X-MSMail-Priority: Normal
Newsgroups: alt.ham-radio.hf,alt.ham-radio.mods,att.ham-radio,rec.ham-radio,uk.radio.amateur

Hi all

anybody know how to open up tx range, to use on 27mhz??
been told that there is a mod that opens this rig up so that there are no gaps on the ham bands

look forward to any replys

howard

From -3598865212215409055
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e971ee9bd245462e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f55c2,e971ee9bd245462e
X-Google-Attributes: gidf55c2,public
X-Google-Thread: f64c6,e971ee9bd245462e
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 105955,e971ee9bd245462e
X-Google-Attributes: gid105955,public
X-Google-Thread: 114a57,e971ee9bd245462e
X-Google-Attributes: gid114a57,public
From: "yvonne young" <yj_young@lineone.net>
Subject: Re: HELP: Icom IC-751A
Date: 2000/08/03
Message-ID: <8mcm8o$2e5$1@supernews.com>#1/1
X-Deja-AN: 654173398
References: <8mcfnh$eph$1@neptunium.btinternet.com>

X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: newsabuse@remarq.com
X-Trace: 965336152 LGTBT6QCLC 8DD501C uk26.supernews.com
Organization: RemarQ http://www.remarQ.com
X-MSMail-Priority: Normal
Newsgroups: alt.ham-radio.hf,alt.ham-radio.mods,att.ham-radio,rec.ham-radio,uk.radio.amateur

ring up icom at hearn bay and tell them you have a rig that has been opened up on the rx and ask them what number diode is it to close the wide band rx up.
when they tell you the number youll be able to cut that diode and expand your rx.thats all i did
Howard P <howard.g7lqy@btinternet.com> wrote in message news:8mcfnh$eph$1@neptunium.btinternet.com...
> Hi all
>
> anybody know how to open up tx range, to use on 27mhz??
> been told that there is a mod that opens this rig up so that there
> are no gaps on the ham bands
>
> look forward to any replys
>
> howard
>
>
>

From 8961160627412763089
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,6ba34447ad9b6998,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,6ba34447ad9b6998,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,6ba34447ad9b6998,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,6ba34447ad9b6998,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,6ba34447ad9b6998,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,6ba34447ad9b6998,start
X-Google-Attributes: gid1031c8,public
From: "Amateur Radio Operator KC4OXP" <kc4oxp@flash.net>
Subject: WTB: ICOM HM-36 & FS: ICOM HM-14
Date: 2000/08/08
Message-ID: <67Lj5.10294$5A2.177859@news.flash.net>#1/1
X-Deja-AN: 655687488
X-Priority: 3

```
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
X-Complaints-To: abuse@flash.net
X-Trace: news.flash.net 965705282 216.215.97.151 (Mon, 07 Aug 2000 22:28:02 CDT)
Organization: FlashNet Communications, http://www.flash.net
X-MSMail-Priority: Normal
NNTP-Posting-Date: Mon, 07 Aug 2000 22:28:02 CDT
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap
```

Subject basically says it all!

I'm looking for the original mic for the Icom IC-737 which the manual says it's a Icom HC-36. Please email me directly at ngwd@flash.net or kc4oxp@flash.net

I have for sale, a Icom HC-14 (which I believe went to the ICOM 706!? It has the keypad on the back of the mic, the condition of the mic is excellent! Best reasonable offer. email ngwd@flash.net or kc4oxp@flash.net .

73 Daniel KC4OXP

```
From -5618700203779618057
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fc734,d37d83908de4e0fb,start
X-Google-Attributes: gidfc734,public
X-Google-Thread: 10c9e3,d37d83908de4e0fb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,d37d83908de4e0fb,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,d37d83908de4e0fb,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,d37d83908de4e0fb,start
X-Google-Attributes: gid10ed5f,public
From: "Dave" <ws2l@monmouth.com>
Subject: FA: Kenwood TS-440S
Date: 2000/08/10
Message-ID: <8muhgg$o8i$1@news.monmouth.com>#1/1
X-Deja-AN: 656789569
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.3018.1300
Organization: Monmouth Internet
X-MSMail-Priority: Normal
Newsgroups: alt.ham-radio,alt.ham-radio.ssb,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc
```

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=402587800

From -2376145688851149061
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,d6ca436f7cc71bc5,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,d6ca436f7cc71bc5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,d6ca436f7cc71bc5,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: fddbf,d6ca436f7cc71bc5,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,d6ca436f7cc71bc5,start
X-Google-Attributes: gidf76e2,public
From: "North Georgia Web Designs KC4OXP" <kc4oxp@flash.net>
Subject: Ham Radio Items For Sale
Date: 2000/05/04
Message-ID: <F2oQ4.7898$wb7.553027@news.flash.net>#1/1
X-Deja-AN: 619367958
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@flash.net
X-Trace: news.flash.net 957484325 209.30.102.177 (Thu, 04 May 2000 18:52:05 CDT)
Organization: FlashNet Communications, http://www.flash.net
X-MSMail-Priority: Normal
NNTP-Posting-Date: Thu, 04 May 2000 18:52:05 CDT
Newsgroups: alabama.birmingham.radio.amateur,alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap

Thanks for reading my mesage. I have the following items for sale.

Icom IC-740 Excellent working condition, physical condition is also good condition. Manual no mic $400 obo

Icom IC-737 Excellent working condition as well as cosmetically. Includes mic, manual, wiring harness. $750.00 obo Matching speaker NEW Christmas 1999 $90.00 additional.

MFJ-949E New Christmas used 1 time BEST OFFER

Radio Shack HTX-212 2 meter HT - Included is radio, manual, all wiring harness, original box, and possible the mounting bracket $145.00

Heath CW Transmitter Model HW-6 Excellent Physical Condition received in trade, never hooked up. BEST REASONABLE OFFER OVER $75.00

Heathkit VFO (for above transmitter) Model HG-10B Excellent Physical Condition also received in same trade as above, never hooked up, BEST REASONABLE OFFER OVER $75.00

ALL ITEMS DO NOT INCLUDE Shipping from Winder, Georgia

Reply either to kc4oxp@flash.net or
Call 770-867-5156 5pm-10pm EST Monday-Friday
Sat - Sunday 8am-10pm EST

73 Daniel KC4OXP

```
From -5795071127596489688
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c985e57929ddd9ad
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,c985e57929ddd9ad
X-Google-Attributes: gidfb049,public
From: "Banjo Bluesman" <NotARealMailAddress@die.spammer.die>
Subject: Re: Help with antenna mast
Date: 2000/05/06
Message-ID: <MkLQ4.8349$wb7.622150@news.flash.net>#1/1
X-Deja-AN: 619831405
References: <dhXP4.909$9o5.2795@newsfeed.slurp.net>
X-Priority: 3
X-MIMEOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: abuse@flash.net
X-Trace: news.flash.net 957579692 209.30.50.54 (Fri, 05 May 2000 21:21:32 CDT)
Organization: FlashNet Communications, http://www.flash.net
X-MSMail-Priority: Normal
NNTP-Posting-Date: Fri, 05 May 2000 21:21:32 CDT
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio
```

I think I'd have to question the base assumption there. The lower the rotator, the longer the mast. Even if you assume the bearing load will be taken up by a thrust bearing, the whole system gains in mass and so has more inertia, which translates to more power required to turn the system and more stress on the brake.

>>>==>PStJTT (W5ABQ)

richard d'avy <rdavy@delrio.com> wrote in message
news:dhXP4.909$9o5.2795@newsfeed.slurp.net...

> I have read that the lower (further from the top) that you mount a rotor in
> a tower the better for the rotor. I have a forty ft Rohn 25G, and am
> interested in mounting my rotor as close to ground level as practical (one
> less reason to climb also). Any suggestions or ideas would be immensely
> appreciated.
>

```
> Richard
>
>
```

```
From 4910933579558907587
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8a23c5edb8627f0e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8a23c5edb8627f0e,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 115af6,8a23c5edb8627f0e,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 106d41,8a23c5edb8627f0e,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: f76e2,8a23c5edb8627f0e,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,8a23c5edb8627f0e,start
X-Google-Attributes: gid1109af,public
From: "BOB BIEKER" <tubes@hamtubes.com>
Subject: tubes for sale
Date: 2000/05/06
Message-ID: <mNTQ4.728$Jf.1921@newsfeed.slurp.net>#1/1
X-Deja-AN: 619939845
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Trace: newsfeed.slurp.net 957614290 209.100.92.113 (Sat, 06 May 2000 06:58:10
CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 06 May 2000 06:58:10 CDT
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio,rec.radio.cb,rec.radio.shortwave,rec.radio.swap


BOB BIEKER <tubes@hamtubes.com> wrote in message news:...
> Tubes for sale
> New m/p 6js6c & the 12by7 driver 70.00 (35.00 each)
> New  m/p ge 6jb6a or 6146w & 12by7 or 6cl6 driver 38.00 (19.00 each)
> 6lq6 35.00  6lf6 40.00  20lf6 40.00  6lr6 25.00  6jg6 25.00  6kd6 32.00
> 6lb6 20.00 24lq6 18.00 31lq6 15.00 30kd6 20.00 35lr6 18.00 6kv6 35.00
> 6cl6 5.00  12by7 7.00  6bq5 12.00  6v6gt 10.00  6hs6 7.00
> Other amateur radio tubes are avaliable
> Used tubes 50% off of new prices (test 70-100% of new)
> www.hamtubes.com
> tubes@hamtubes.com
>
>
>
```

From 2015709797619617132
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1ccf787a656d3010,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,1ccf787a656d3010,start
X-Google-Attributes: gidfb049,public
From: "richard d'avy" <rdavy@delrio.com>
Subject: MICOR C73RXB repeater
Date: 2000/05/08
Message-ID: <EsFR4.41$K_1.700@newsfeed.slurp.net>#1/1
X-Deja-AN: 620809038
X-Priority: 3
X-MIMEOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 957817764 208.246.53.153 (Mon, 08 May 2000 15:29:24 CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Mon, 08 May 2000 15:29:24 CDT
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio

I've come on to a Motorola Micor C73RXB repeater that is tuned around 170 MHz. My question is can these repeaters be tuned down into the two meter band. I have the manuals they say that the PA operates from 162 - 174, and the exciter from 150.8 - 174. I know that the ExecII radios could be "slid" down some outside of their specs, how about these anybody know?

Thanks

Richard /N5YPJ

From 9183366310425167705
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: ffbc8,8b533cb8177cd8a2,start
X-Google-Attributes: gidffbc8,public
X-Google-Thread: 10c9e3,8b533cb8177cd8a2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,8b533cb8177cd8a2,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,8b533cb8177cd8a2,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1051ef,8b533cb8177cd8a2,start
X-Google-Attributes: gid1051ef,public
From: K5WLS@SpamCop.net (Rick Matthews)
Subject: Re: - $3 PSX and $10 DreamCast ModChips
Date: 2000/05/09
Message-ID: <8F2EE27FBK5WLSemailcom@192.168.44.3>#1/1
X-Deja-AN: 620947210

```
References: <kf1R4.9029$zRy1.5832872@tomcat.sk.sympatico.ca>
Followup-To: rec.ham-radio
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
X-Complaints-To: support@usenetserver.com
Organization: WebUseNet Corp  http://www.usenetserver.com - Home of the fastest
NNTP servers on the Net.
User-Agent: Xnews/2.09.30
NNTP-Posting-Date: Mon, 08 May 2000 23:24:43 EDT
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-
radio.swap,rec.heraldry,rec.humor
```

<Morphus@TheMatrix.com> wrote:

> I guess I should include the URL :)
> http://modchip.50megs.com/
>
> We have the latest and greatest Playstation, DreamCast, Sega Saturn,
> GameBoy and N64 Mods ...

Another one bites the dust:

FILE NOT FOUND ERROR: Could not find the URL you are searching for...

Please verify the URL and try again.

50Megs.com

```
From -1135293312184444899
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,9080772b3e25414,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,9080772b3e25414,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,9080772b3e25414,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: f76e2,9080772b3e25414,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,9080772b3e25414,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fb049,9080772b3e25414,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f4306,9080772b3e25414,start
X-Google-Attributes: gidf4306,public
X-Google-Thread: fc8b1,9080772b3e25414,start
X-Google-Attributes: gidfc8b1,public
From: "richard d'avy" <rdavy@delrio.com>
Subject: Rohn 25G Tower for sale
Date: 2000/05/10
```

Message-ID: <k4iS4.67$H63.746@newsfeed.slurp.net>#1/1
X-Deja-AN: 621681220
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 957984144 208.246.52.207 (Wed, 10 May 2000 13:42:24 CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Wed, 10 May 2000 13:42:24 CDT
Newsgroups: alt.ham-radio.marketplace,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,alt.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur.boatanchors,rec.radio.scanner

I have 7 sections of Rohn 25 G Tower for sale (approx 66 ft) in excellent condition, on the ground. This includes the "pointed top section, which has no bushing so it can take up to a 2 inch mast. Also included is the rotor plate, and a nice side arm for mounting an additional antenna onto the side of the tower. No bolts or other hardware included. All or none, I can't part or section it out so it's all gotta go at once. First $250 or best offer gets it. I am in Del Rio, Texas, 150 miles west of San Antonio, 150 miles south of San Angelo, this is the pick up price, I can deliver in the area (outside Del Rio) for a nominal fee.

Richard /N5YPJ

From -3765687105460510925
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8a23c5edb8627f0e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8a23c5edb8627f0e
X-Google-Attributes: gid114aac,public
X-Google-Thread: 106d41,8a23c5edb8627f0e
X-Google-Attributes: gid106d41,public
X-Google-Thread: 115af6,8a23c5edb8627f0e
X-Google-Attributes: gid115af6,public
X-Google-Thread: 1109af,8a23c5edb8627f0e
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,8a23c5edb8627f0e
X-Google-Attributes: gidf76e2,public
From: "BOB BIEKER" <tubes@hamtubes.com>
Subject: Re: tubes for sale
Date: 2000/05/11
Message-ID: <XGGS4.30$nQ3.598@newsfeed.slurp.net>#1/1
X-Deja-AN: 622320223
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Trace: newsfeed.slurp.net 958084919 209.100.92.147 (Thu, 11 May 2000 17:41:59 CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Thu, 11 May 2000 17:41:59 CDT

```
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio,rec.radio.cb,rec.radio.shortwave,rec.radio.swap


BOB BIEKER <tubes@hamtubes.com> wrote in message news:...
> Tubes for sale
> New m/p 6js6c & the 12by7 driver 70.00 (35.00 each)
> New  m/p ge 6jb6a or 6146w & 12by7 or 6cl6 driver 38.00 (19.00 each)
> 6lq6 35.00  6lf6 40.00  20lf6 40.00  6lr6 25.00  6jg6 25.00  6kd6 32.00
> 6lb6 20.00 24lq6 18.00 31lq6 15.00 30kd6 20.00 35lr6 18.00 6kv6 35.00
> 6cl6 5.00  12by7 7.00  6bq5 12.00  6v6gt 10.00  6hs6 7.00
> Other amateur radio tubes are avaliable
> Used tubes 50% off of new prices (test 70-100% of new)
> www.hamtubes.com
> tubes@hamtubes.com
>
>
>





From -7998712978611454835
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8a23c5edb8627f0e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,8a23c5edb8627f0e
X-Google-Attributes: gid106d41,public
X-Google-Thread: 1109af,8a23c5edb8627f0e
X-Google-Attributes: gid1109af,public
X-Google-Thread: 114aac,8a23c5edb8627f0e
X-Google-Attributes: gid114aac,public
X-Google-Thread: 115af6,8a23c5edb8627f0e
X-Google-Attributes: gid115af6,public
X-Google-Thread: f76e2,8a23c5edb8627f0e
X-Google-Attributes: gidf76e2,public
From: "BOB BIEKER" <tubes@hamtubes.com>
Subject: tubes for sale
Date: 2000/05/11
Message-ID: <oHGS4.31$nQ3.453@newsfeed.slurp.net>#1/1
X-Deja-AN: 622320424
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Trace: newsfeed.slurp.net 958084948 209.100.92.147 (Thu, 11 May 2000 17:42:28
CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Thu, 11 May 2000 17:42:28 CDT
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio,rec.radio.cb,rec.radio.shortwave,rec.radio.swap


BOB BIEKER <tubes@hamtubes.com> wrote in message news:...
```

> Tubes for sale
> New m/p 6js6c & the 12by7 driver 70.00 (35.00 each)
> New m/p ge 6jb6a or 6146w & 12by7 or 6cl6 driver 38.00 (19.00 each)
> 6lq6 35.00 6lf6 40.00 20lf6 40.00 6lr6 25.00 6jg6 25.00 6kd6 32.00
> 6lb6 20.00 24lq6 18.00 31lq6 15.00 30kd6 20.00 35lr6 18.00 6kv6 35.00
> 6cl6 5.00 12by7 7.00 6bq5 12.00 6v6gt 10.00 6hs6 7.00
> Other amateur radio tubes are avaliable
> Used tubes 50% off of new prices (test 70-100% of new)
> www.hamtubes.com
> tubes@hamtubes.com
>
>
>

From 435967286999565640
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8a23c5edb8627f0e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,8a23c5edb8627f0e
X-Google-Attributes: gid106d41,public
X-Google-Thread: 114aac,8a23c5edb8627f0e
X-Google-Attributes: gid114aac,public
X-Google-Thread: 115af6,8a23c5edb8627f0e
X-Google-Attributes: gid115af6,public
X-Google-Thread: f76e2,8a23c5edb8627f0e
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,8a23c5edb8627f0e
X-Google-Attributes: gid1109af,public
From: "Walter R. Jones, Jr." <kc7hex@arrl.net>
Subject: Items for Sale
Date: 2000/05/15
Message-ID: <39207B21.59CBEA7E@arrl.net>#1/1
X-Deja-AN: 623847704
Content-Transfer-Encoding: 7bit
References: <oHGS4.31$nQ3.453@newsfeed.slurp.net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@meganews.com
X-Trace: news-02.meganews.com 958430024 9083 208.32.57.154 (15 May 2000 22:33:44 GMT)
Organization: http://www.jones-clan.com/
Mime-Version: 1.0
NNTP-Posting-Date: 15 May 2000 22:33:44 GMT
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.cb,rec.radio.shortwave,rec.radio.swap

Hello All,

Visit my page for items for sale. Will be listing the items in the next 7-10 days on E-Bay. I'm building the list and will be adding photos in the next couple of days. You can view the page at: http://www.jones-clan.com/EBay/

Cleaning out the shack and do so spring cleaning. I will consider any serious bids - if I recieved none, will list it on E-Bay. Will use the funds to upgrade the shack and help out with out ATV Repeater with the school club.

Happy Viewing.

73
Walt - KC7HEX

From 8851039082127850613
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,637f4dae3e2323fc,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,637f4dae3e2323fc,start
X-Google-Attributes: gidfb049,public
From: "Zilvinas Atkociunas" <zilvinas@augma.lt>
Subject: Looking for quarz resonators....
Date: 2000/05/16
Message-ID: <8frhem$gp9$1@news.omnitel.net>#1/1
X-Deja-AN: 624056953
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: news@omnitel.net
X-Trace: news.omnitel.net 958482710 17193 195.14.178.237 (16 May 2000 13:11:50 GMT)
Organization: Omnitel, Lithuania
X-MSMail-Priority: Normal
NNTP-Posting-Date: 16 May 2000 13:11:50 GMT
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.vhf-uhf,rec.ham-radio

Hi everybody,

Thank you for reading this.
I'd like to build repeater for my town. I've got everything except two resonators for frequencies 8095,833 kHz and 44808,333kHz. I tried different sources on internet (online shops, altavista, newsgroups) but unsuccessfully.
Could someone give advice where I could get them ?
I will also appreciate any www links/e-mails/phone/fax of shops with large choice of resonators.

73 de ly2ss
Gilbert

```
From 5577595328544517859
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,637f4dae3e2323fc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,637f4dae3e2323fc
X-Google-Attributes: gidfb049,public
From: WB3KUM/9 <d.breeden@NOSPAMwcom.com>
Subject: Re: Looking for quarz resonators....
Date: 2000/05/16
Message-ID: <39215625.78D7D676@NOSPAMwcom.com>#1/1
X-Deja-AN: 624074929
Content-Transfer-Encoding: 7bit
References: <8frhem$gp9$1@news.omnitel.net>
Content-Type: text/plain; charset=us-ascii
X-Trace: pm01news.wcom.com 958486053 166.36.197.147 (Tue, 16 May 2000 14:07:33
GMT)
MIME-Version: 1.0
NNTP-Posting-Date: Tue, 16 May 2000 14:07:33 GMT
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.vhf-uhf,rec.ham-radio
```

I beleive you are looking for manufactures of crystals for oscilators
and filters.

Manufactures in the United States

International Crystal is generally considered the best but also most
expensive.
Jan Crystal in Florida
Sentry and Salvory Crystal on Oklahoma
Peterson Crystal in Iowa

All but Peterson are on the Web.

```
From -7922320381589521000
X-Google-Language: RUSSIAN,KOI8R
X-Google-Thread: 10c9e3,166a4c17a1f413cc,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115af6,166a4c17a1f413cc,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 10ddf1,166a4c17a1f413cc,start
X-Google-Attributes: gid10ddf1,public
X-Google-Thread: 106d41,166a4c17a1f413cc,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 103792,166a4c17a1f413cc,start
X-Google-Attributes: gid103792,public
X-Google-Thread: 107017,166a4c17a1f413cc,start
X-Google-Attributes: gid107017,public
```

X-Google-Thread: f83f7,166a4c17a1f413cc,start
X-Google-Attributes: gidf83f7,public
From: "sav" <sav@vradio.geon.donetsk.ua>
Subject: ����� ����� ������� 13�, 10�
Date: 2000/05/20
Message-ID: <8g5m0r$1nrv$4@star.ints.net>#1/1
X-Deja-AN: 625664689
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Complaints-To: usenet@star.ints.net
X-Trace: star.ints.net 958815067 57215 194.44.58.138 (20 May 2000 09:31:07 GMT)
Organization: INTS InterNetNews site
NNTP-Posting-Date: 20 May 2000 09:31:07 GMT
Newsgroups: odessa.commerce.communications,rec.ham-radio,rec.radio,rec.radio.cb,relcom.commerce.communications,relcom.radio,relcom.radio.ham

4-6��.���������� ���������� ������������
sav@vradio.geon.donetsk.ua
0622-538099���
062-3811393���
����

From 3623979614619063557
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db5b004bdabc7256,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,db5b004bdabc7256,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: f84e8,db5b004bdabc7256,start
X-Google-Attributes: gidf84e8,public
X-Google-Thread: fa656,db5b004bdabc7256,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,db5b004bdabc7256,start
X-Google-Attributes: gid11480d,public
From: "Andre" <pa5wx@amsat.org>
Subject: New 6 Metre RealAudioFiles FH/TU5AX
Date: 2000/05/20
Message-ID: <kPsV4.13409$hs1.465651@news.rdc1.ov.nl.home.com>#1/1
X-Deja-AN: 625700978
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@home.nl
X-Trace: news.rdc1.ov.nl.home.com 958814544 212.120.68.216 (Sat, 20 May 2000 11:22:24 MET DST)
Organization: @Home Network
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 20 May 2000 11:22:24 MET DST
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.digital,rec.radio.amateur.dx,uk.radio.amateur

New on my homepage!!
6 Metre RealAudioFiles from a contact with FH/TH5AX and PA9KT

Look on my homepage

http://www.qsl.net/pa5wx

73 de Andre PA5WX

```
From -2090243337365680793
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,366b4e169a6c1303,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,366b4e169a6c1303,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 106d41,366b4e169a6c1303,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 115af6,366b4e169a6c1303,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 114aac,366b4e169a6c1303,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,366b4e169a6c1303,start
X-Google-Attributes: gidf76e2,public
From: "Walter R. Jones, Jr." <kc7hex@arrl.net>
Subject: Big Shack Sale
Date: 2000/05/22
Message-ID: <3929D7D8.8774FDD7@arrl.net>#1/1
X-Deja-AN: 626085461
References: <Lo0W4.2420$oO1.12227@newsfeed.slurp.net>
X-Accept-Language: en
Content-Type: multipart/alternative; boundary="------------
AF4A0B5254C010C85221E8B3"
X-Complaints-To: abuse@meganews.com
X-Trace: news-02.meganews.com 959043584 21847 208.26.134.36 (23 May 2000 00:59:44
GMT)
Organization: http://www.jones-clan.com/
Mime-Version: 1.0
NNTP-Posting-Date: 23 May 2000 00:59:44 GMT
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio,rec.radio.cb,rec.radio.shortwave,rec.radio.swap


--------------AF4A0B5254C010C85221E8B3
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
```

If you are looking for a Complete Kenwood HF Station, Yaesu FT-736R VHF / UHF / Satellite tranciever, items for a satellite station, HF Amps, Amateur Television (ATV) tranciever, Autopatch, Desk microphones, 2 Meter All-mode tranciever, Antenna tuners, DSP unit, 1.2 Ghz FM tranciever, Great Laptop for mobile amateur use, internet, and general application PLUS MUCH MORE -

You can see it at : SALES LIST

Right click to view the picture full scale. Click on the photo for price details.

To see current prices: CURRENT PRICES

To get some general information: INFO

Thank you for taking a look.

73
Walt KC7HEX

```
--------------AF4A0B5254C010C85221E8B3
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<!doctype html public "-//w3c//dtd html 4.0 transitional//en">
<html>
If you are looking for a Complete Kenwood HF Station, Yaesu FT-736R VHF
/ UHF / Satellite tranciever, items for a satellite station, HF Amps, Amateur
Television (ATV) trancievers, Autopatch, Desk microphones, 2 Meter All-mode
tranciever, Antenna tuners, DSP unit, 1.2 Ghz FM tranciever, Great Laptop
for mobile amateur use, internet, and general application PLUS MUCH MORE
-
<p>You can see it at :&nbsp; <a href="http://www.jones-clan.com/EBay/">SALES
LIST</a>
<p>Right click to view the picture full scale.&nbsp; Click on the photo
for price details.
<p>To see current prices:&nbsp;&nbsp; <a href="http://cgi6.ebay.com/aw-cgi/
eBayISAPI.dll?
MfcISAPICommand=ViewListedItems&userid=wjonesjr&include=0&since=-1&sort=2&rows=200
">CURRENT
PRICES</a><a href="http://cgi6.ebay.com/aw-cgi/eBayISAPI.dll?
MfcISAPICommand=ViewListedItems&userid=wjonesjr&include=0&since=-1&sort=2&rows=200
"></a>
<p>To get some general information:&nbsp; <a href="http://pics.ebay.com/aw/pics/
aboutme-small.gif">INFO</a><a href="http://pics.ebay.com/aw/pics/aboutme-
small.gif"></a>
<p>Thank you for taking a look.
<p>73
<br>Walt&nbsp; KC7HEX</html>

--------------AF4A0B5254C010C85221E8B3--
```

From -4385028660756637065
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d9214fbe5eb5b20b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,d9214fbe5eb5b20b,start
X-Google-Attributes: gidfb049,public
From: Gary Danaher <gdanaher@home.com>
Subject: Re: Question about antenna
Date: 2000/05/23
Message-ID: <3929D967.46505F8D@home.com>#1/1
X-Deja-AN: 626087748
Content-Transfer-Encoding: 7bit
References: <3928786E.D1223C3@ve2.ele.etsmtl.ca>
X-Accept-Language: en,pdf
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.tx.home.com 959043968 24.7.30.169 (Mon, 22 May 2000 18:06:08 PDT)
Organization: @Home Network
MIME-Version: 1.0
NNTP-Posting-Date: Mon, 22 May 2000 18:06:08 PDT
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio

No, probably not. Just cut a dipole for tghe correct frequency and go with that. No need to buy an antenna anyway.
Gary
AB5RM

Bruno Quesnel wrote:
>
> Hi to all,
>
> Sorry if my question may sound stupid, but I've read an article in a magazine (forgot which one) that a 2m antenna could be used to operate on the 6M band.
>
> I currently got a GP6 from comet, which is a dual band 5/8 that covers 2m and 70m. The author sais that it could be done. Now I recently got a rig that has 6m support. I haven't got my "official" antenna yet, but would like to operate until then on the band.
>
> The radio actually has an automatic antenna tuner. Would this make it possible (or operable) until an antenna (designed to go on that band) can be purchased ?
>
> Thanks in advance.
>
> --
> Bruno Quesnel va2bmg@videotron.ca
> Genie Electrique quesnelb@ve2.ele.etsmtl.ca

```
> Electrical Engineering                queb1604@ele.etsmtl.ca
> Ecole de Technologie Superieure       VA2 BMG



From -7053744886667869209
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d9214fbe5eb5b20b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,d9214fbe5eb5b20b
X-Google-Attributes: gidfb049,public
From: Dwight Stewart <stewartx@sccoast.net>
Subject: Re: Question about antenna
Date: 2000/05/23
Message-ID: <392B4AAC.F57CD68E@sccoast.net>#1/1
X-Deja-AN: 626552709
Content-Transfer-Encoding: 7bit
References: <3928786E.D1223C3@ve2.ele.etsmtl.ca>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@infoave.net
X-Trace: news3.infoave.net 959138463 15163 204.116.70.38 (24 May 2000 03:21:03
GMT)
Organization: Info Avenue Internet Services
Mime-Version: 1.0
Reply-To: stewartx@sccoast.net
NNTP-Posting-Date: 24 May 2000 03:21:03 GMT
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio



Bruno Quesnel wrote:
>
>     The radio actually has an automatic antenna tuner.  Would this make
> it possible (or operable) until an antenna (designed to go on that band)
> can be purchased ?


  Only if the antenna tuner will tune the antenna to the 6m band.  In
other words, is the tuner capable of handling the 6m band?  If so, the
next issue is to see if the tuner can get your specific antenna to tune
properly on the 6m band.  And for that, your best bet is to simply try it.


Dwight Stewart   (W5NET)

http://www.qsl.net/w5net



From 3044725986526605521
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7d220e758caa9ba3,start
```

```
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7d220e758caa9ba3,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 115af6,7d220e758caa9ba3,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: f76e2,7d220e758caa9ba3,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 106d41,7d220e758caa9ba3,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 1109af,7d220e758caa9ba3,start
X-Google-Attributes: gid1109af,public
From: "BOB BIEKER" <tubes@hamtubes.com>
Subject: tubes for sale
Date: 2000/05/26
Message-ID: <_wHX4.2628$4X5.6815@newsfeed.slurp.net>#1/1
X-Deja-AN: 627838148
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Trace: newsfeed.slurp.net 959399098 209.100.92.6 (Fri, 26 May 2000 22:44:58 CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Fri, 26 May 2000 22:44:58 CDT
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio,rec.radio.cb,rec.radio.shortwave,rec.radio.swap


BOB BIEKER <tubes@hamtubes.com> wrote in message news:...
> Tubes for sale
> New m/p 6js6c & the 12by7 driver 70.00 (35.00 each)
> New  m/p ge 6jb6a or 6146w & 12by7 or 6cl6 driver 38.00 (19.00 each)
> 6lq6 35.00  6lf6 40.00  20lf6 40.00  6lr6 25.00  6jg6 25.00  6kd6 32.00
> 6lb6 20.00 24lq6 18.00 31lq6 15.00 30kd6 20.00 35lr6 18.00 6kv6 35.00
> 6cl6 5.00  12by7 7.00  6bq5 12.00  6v6gt 10.00  6hs6 7.00
> Other amateur radio tubes are avaliable
> Used tubes 50% off of new prices (test 70-100% of new)
> www.hamtubes.com
> tubes@hamtubes.com
>
>
>
```

```
From -5503413616232029124
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,b0a85134e1b80e9f,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,b0a85134e1b80e9f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b0a85134e1b80e9f,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 114aac,b0a85134e1b80e9f,start
```

X-Google-Attributes: gid114aac,public
X-Google-Thread: 108778,b0a85134e1b80e9f,start
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,b0a85134e1b80e9f,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10ed5f,b0a85134e1b80e9f,start
X-Google-Attributes: gid10ed5f,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA Mint Sony SW-77 Receiver
Date: 2000/06/03
Message-ID: <jm0_4.748$l41.65581@news.intnet.net>#1/1
X-Deja-AN: 630492506
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960008719 199.1.102.42 (Sat, 03 Jun 2000 01:05:19 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 03 Jun 2000 01:05:19 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.shortwave

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=348550830

From -6969786602104128509
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,d71786794f21257a,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,d71786794f21257a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,d71786794f21257a,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 108122,d71786794f21257a,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,d71786794f21257a,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 10ed5f,d71786794f21257a,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,d71786794f21257a,start
X-Google-Attributes: gid108778,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA Mint Drake SW-8 receiver
Date: 2000/06/03
Message-ID: <km0_4.749$l41.65581@news.intnet.net>#1/1
X-Deja-AN: 630492508
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960008720 199.1.102.42 (Sat, 03 Jun 2000 01:05:20 EDT)

```
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 03 Jun 2000 01:05:20 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.shortwav
e

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=348947496





From -8089084800512188281
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,db7d28af863593eb,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,db7d28af863593eb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,db7d28af863593eb,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,db7d28af863593eb,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,db7d28af863593eb,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fc8b1,db7d28af863593eb,start
X-Google-Attributes: gidfc8b1,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: Antique Vibroplex Presentation key
Date: 2000/06/03
Message-ID: <lm0_4.751$l41.65581@news.intnet.net>#1/1
X-Deja-AN: 630492514
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960008721 199.1.102.42 (Sat, 03 Jun 2000 01:05:21 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 03 Jun 2000 01:05:21 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=348556318





From -6091376272073680493
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,456756c38fd49705,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,456756c38fd49705,start
```

```
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,456756c38fd49705,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 108122,456756c38fd49705,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,456756c38fd49705,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,456756c38fd49705,start
X-Google-Attributes: gid108778,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA Mint Icom IC-740+extras
Date: 2000/06/03
Message-ID: <lm0_4.750$l41.65581@news.intnet.net>#1/1
X-Deja-AN: 630492516
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960008721 199.1.102.42 (Sat, 03 Jun 2000 01:05:21 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 03 Jun 2000 01:05:21 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.radio.amateur.equipment,rec.radio.shortwave

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=348553179




From -6677424745610091714
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,65260655f9387a04,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,65260655f9387a04,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc8b1,65260655f9387a04,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 10ed5f,65260655f9387a04,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,65260655f9387a04,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 108122,65260655f9387a04,start
X-Google-Attributes: gid108122,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA Antique Vibroplex Presentation Key
Date: 2000/06/03
Message-ID: <bo0_4.752$l41.65846@news.intnet.net>#1/1
X-Deja-AN: 630492838
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960008839 199.1.102.42 (Sat, 03 Jun 2000 01:07:19 EDT)
```

```
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 03 Jun 2000 01:07:19 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=348556318





From 1707257138102087638
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,13fc5d5c99fe25c4,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,13fc5d5c99fe25c4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,13fc5d5c99fe25c4,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 108122,13fc5d5c99fe25c4,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,13fc5d5c99fe25c4,start
X-Google-Attributes: gid108778,public
X-Google-Thread: fc8b1,13fc5d5c99fe25c4,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 10ed5f,13fc5d5c99fe25c4,start
X-Google-Attributes: gid10ed5f,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA Drake TV-3300-LP
Date: 2000/06/03
Message-ID: <tp0_4.753$l41.65916@news.intnet.net>#1/1
X-Deja-AN: 630493039
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960008921 199.1.102.42 (Sat, 03 Jun 2000 01:08:41 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 03 Jun 2000 01:08:41 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.shortwav
e

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=348627555





From -3949371522932334968
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7c7fcb19b259150,start
```

```
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a7c7fcb19b259150,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,a7c7fcb19b259150,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fbc10,a7c7fcb19b259150,start
X-Google-Attributes: gidfbc10,public
X-Google-Thread: 108778,a7c7fcb19b259150,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 106d41,a7c7fcb19b259150,start
X-Google-Attributes: gid106d41,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA New MFJ 264 1.5KW D.load
Date: 2000/06/03
Message-ID: <tr0_4.755$l41.65923@news.intnet.net>#1/1
X-Deja-AN: 630493418
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960009049 199.1.102.42 (Sat, 03 Jun 2000 01:10:49 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 03 Jun 2000 01:10:49 EDT
Newsgroups: alt.ham-radio,alt.radio.amateur,alt.radio.cb,rec.ham-
radio,rec.radio.amateur.equipment,rec.radio.cb

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=348631333




From -7790328550882254876
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,f61ecf7fe28894c2,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,f61ecf7fe28894c2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,f61ecf7fe28894c2,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,f61ecf7fe28894c2,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,f61ecf7fe28894c2,start
X-Google-Attributes: gid10ed5f,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA 50Mhz Equipment
Date: 2000/06/03
Message-ID: <js0_4.757$l41.65745@news.intnet.net>#1/1
X-Deja-AN: 630493537
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960009103 199.1.102.42 (Sat, 03 Jun 2000 01:11:43 EDT)
```

Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 03 Jun 2000 01:11:43 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.radio.amateur.equipment

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=348633881

From 5510005069717489691
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,34bfa6d5547e28c3,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,34bfa6d5547e28c3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,34bfa6d5547e28c3,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,34bfa6d5547e28c3,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,34bfa6d5547e28c3,start
X-Google-Attributes: gid10ed5f,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA Icom IC-32+accessories
Date: 2000/06/03
Message-ID: <jt0_4.758$l41.65687@news.intnet.net>#1/1
X-Deja-AN: 630493786
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960009167 199.1.102.42 (Sat, 03 Jun 2000 01:12:47 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 03 Jun 2000 01:12:47 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.radio.amateur.equipment

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=348653267

From -1543774472916458071
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,113db1ac0f2c95a4,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,113db1ac0f2c95a4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,113db1ac0f2c95a4,start
X-Google-Attributes: gid108122,public

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X-Google-Thread: fc8b1,113db1ac0f2c95a4,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 10ed5f,113db1ac0f2c95a4,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,113db1ac0f2c95a4,start
X-Google-Attributes: gid108778,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA New Vibroplex Blue Racer
Date: 2000/06/03
Message-ID: <mu0_4.759$l41.65921@news.intnet.net>#1/1
X-Deja-AN: 630493932
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960009234 199.1.102.42 (Sat, 03 Jun 2000 01:13:54 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 03 Jun 2000 01:13:54 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=348657258




From 5304737895579578099
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,d230bead679a6955,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 114aac,d230bead679a6955,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,d230bead679a6955,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,d230bead679a6955,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,d230bead679a6955,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,d230bead679a6955,start
X-Google-Attributes: gid108778,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA Microwave Modules MM2001 decoder
Date: 2000/06/03
Message-ID: <zv0_4.760$l41.65665@news.intnet.net>#1/1
X-Deja-AN: 630494125
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960009311 199.1.102.42 (Sat, 03 Jun 2000 01:15:11 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 03 Jun 2000 01:15:11 EDT
```

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Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur.equipment,rec.radio.shortwave

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=348941505





From 1076446109065065737
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,81b3155b682e5b78,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,81b3155b682e5b78,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,81b3155b682e5b78,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,81b3155b682e5b78,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 108778,81b3155b682e5b78,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,81b3155b682e5b78,start
X-Google-Attributes: gid10ed5f,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA Heathkit HO10 Station Monitor
Date: 2000/06/03
Message-ID: <Kz0_4.763$l41.65845@news.intnet.net>#1/1
X-Deja-AN: 630495707
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960009578 199.1.102.42 (Sat, 03 Jun 2000 01:19:38 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 03 Jun 2000 01:19:38 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=348948673





From -5275837483204491623
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,73163ae93c1947d0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,73163ae93c1947d0,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: fb049,73163ae93c1947d0,start
X-Google-Attributes: gidfb049,public
From: "Jeroen Jansen" <jeroen@Vossers.tmfweb.nl>
```

```
Subject: Danita 440 & President Wilson Modifications
Date: 2000/06/04
Message-ID: <8hca48$il$1@azure.nl.gxn.net>#1/1
X-Deja-AN: 630764720
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: abuse@nl.gxn.net
X-Trace: azure.nl.gxn.net 960080840 597 62.100.4.197 (4 Jun 2000 01:07:20 GMT)
Organization: FreeSurf
X-MSMail-Priority: Normal
NNTP-Posting-Date: 4 Jun 2000 01:07:20 GMT
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio,rec.radio.cb
```

Hi,

Who can help me with the mods for at least one band up for the Danita 440
and/or President Wilson.

If you have the answer please mail me at:
Jeroen@vossers.tmfweb.nl or
wr2324@wolmail.nl

Thanx!!!!

Jeroen Jansen
19JJ01
(No Packet Radio Call)

```
From -5542571328954960 13
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,113db1ac0f2c95a4
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,113db1ac0f2c95a4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,113db1ac0f2c95a4
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,113db1ac0f2c95a4
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 10ed5f,113db1ac0f2c95a4
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,113db1ac0f2c95a4
X-Google-Attributes: gid108778,public
From: "Mike B. Feher" <mfeher@optonline.net>
Subject: Re: FA New Vibroplex Blue Racer
Date: 2000/06/04
```

Message-ID: <oCt_4.12000$Ry6.28147@news02>#1/1
X-Deja-AN: 630908413
References: <mu0_4.759$l41.65921@news.intnet.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Trace: news02 960128532 24.189.138.55 (Sun, 04 Jun 2000 10:22:12 EDT)
Organization: Optimum Online
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 04 Jun 2000 10:22:12 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment

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Mike B. Feher, N4FS
89 Arnold Blvd.
Howell NJ, 07731
(732) 901-9193

"Martyn" <martyn@intecc.co.uk> wrote in message
news:mu0_4.759$l41.65921@news.intnet.net...
> http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=348657258
>
>

From -168719729832744951
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,efb66352d646f327,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,efb66352d646f327,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fed6a,efb66352d646f327,start
X-Google-Attributes: gidfed6a,public
X-Google-Thread: fcc6e,efb66352d646f327,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,efb66352d646f327,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,efb66352d646f327,start
X-Google-Attributes: gidfc2a5,public
From: Jim <unique1@epix.net>
Subject: ARRL June VHF Contest
Date: 2000/06/04
Message-ID: <393AA15B.44462726@epix.net>#1/1
X-Deja-AN: 630980199
Content-Transfer-Encoding: 7bit

X-Accept-Language: en
X-Sender: "Jim" <@out.epix.net> (Unverified)
X-Priority: 1 (Highest)
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@epix.net
X-Trace: news1.epix.net 960143632 199.224.91.104 (Sun, 04 Jun 2000 14:33:52 EDT)
MIME-Version: 1.0
NNTP-Posting-Date: Sun, 04 Jun 2000 14:33:52 EDT
Newsgroups: rec.ham-radio,rec.ham-radio.misc,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.homebrew,rec.radio.amateur.misc

New Hams, you can help too!!!!!!!! Read on!

The Murgas ARC will once again be operational for the ARRL June VHF contest. We are at the confluence of Luzerne, Columbia, and Sullivan counties in Northeast Pennsylvania(FN11uh.)   We will work you, just yell! The contest runs from 2PM Sat June 10 through 11PM Sunday June 11(eastern.) We will be running 6m, 2m, 222, and 432/440. All modes.

FM- 2m FM will be done hourly starting on 146.49 and moving to the other standard freq's. This will begin a couple hours after the test starts. FM will be left on continuously on the other bands, however the ops sometimes do not pay attention as well as they should.

If you work us on one band please ask for a schedule for another. All stations are interconnected and you will instantly be met on another band. You may also do this if you are unable to secure an answer from us on FM.

I do not know what everyone has done, but SUBSTANTIAL improvements have been made to the 432 and 440 FM stations. If you have been unable to get a contact in the past now is your chance.   We do QSL.

With any HT you can work us from a realistic range. It is not uncommon to work HT's with ducks at a distance of 200 miles! We do have directional antennas, though, so patience may be required. We regularly watch crystal clear TV from the other side of the state.

All you need for an exchange is a callsign and a grid square. If you do not know your square go here: http://www.arrl.org/locate/grid.html

There will be an AIRSHOW at the local airport during contest weekend. If you have an HT a contact would be appreciated.

For the most part advance schedules are not accepted. However if you are seriously interested in doing something unique you may contact me no later than Wednesday evening Jun 7 and I will forward your email to the right person. Send it to jss167@yahoo.com

Our club website: http://www.qsl.net/k3ytl/k3ytl/index.htm

Thanks. All contacts are greatly appreciated.

From -7966417422397191O8
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,75b1ef7250ba363c,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,75b1ef7250ba363c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,75b1ef7250ba363c,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 108122,75b1ef7250ba363c,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,75b1ef7250ba363c,start
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,75b1ef7250ba363c,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10ed5f,75b1ef7250ba363c,start
X-Google-Attributes: gid10ed5f,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA Mint Kenwood R-2000
Date: 2000/06/04
Message-ID: <z2A_4.787$l41.66664@news.intnet.net>#1/1
X-Deja-AN: 631038375
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960154911 199.1.102.7 (Sun, 04 Jun 2000 17:41:51 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 04 Jun 2000 17:41:51 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.shortwave

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349982749

From 987697362578682164
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,b168fd648829f680,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,b168fd648829f680,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b168fd648829f680,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,b168fd648829f680,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10ed5f,b168fd648829f680,start
X-Google-Attributes: gid10ed5f,public

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X-Google-Thread: fc8b1,b168fd648829f680,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 108778,b168fd648829f680,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 1031c8,b168fd648829f680,start
X-Google-Attributes: gid1031c8,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA Mint Drake MN-2000+Bauln
Date: 2000/06/04
Message-ID: <Y3A_4.788$l41.66667@news.intnet.net>#1/1
X-Deja-AN: 631039682
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960155000 199.1.102.7 (Sun, 04 Jun 2000 17:43:20 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 04 Jun 2000 17:43:20 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.ham-
radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.ama
teur.swap

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349981120




From 7597375578299479849
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,b4b76e50e51033f,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,b4b76e50e51033f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b4b76e50e51033f,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 114aac,b4b76e50e51033f,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,b4b76e50e51033f,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,b4b76e50e51033f,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 10ed5f,b4b76e50e51033f,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,b4b76e50e51033f,start
X-Google-Attributes: gid108778,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA Brand new Yaesu FRG-100
Date: 2000/06/04
Message-ID: <Q0A_4.786$l41.66681@news.intnet.net>#1/1
X-Deja-AN: 631042480
X-Priority: 3
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X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960154800 199.1.102.7 (Sun, 04 Jun 2000 17:40:00 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 04 Jun 2000 17:40:00 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.ham-
radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.shortwave

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349985329





From -6854550546716976020
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,2f0efec357f68fe7,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,2f0efec357f68fe7,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,2f0efec357f68fe7,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,2f0efec357f68fe7,start
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,2f0efec357f68fe7,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc8b1,2f0efec357f68fe7,start
X-Google-Attributes: gidfc8b1,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA Collins KWM-2A
Date: 2000/06/04
Message-ID: <D7A_4.790$l41.66723@news.intnet.net>#1/1
X-Deja-AN: 631042872
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960155235 199.1.102.7 (Sun, 04 Jun 2000 17:47:15 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 04 Jun 2000 17:47:15 EDT
Newsgroups: alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349969047





From -2255901198005014898
X-Google-Language: ENGLISH,ASCII-7-bit
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X-Google-Thread: 108228,68e4c9f05f53690a,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,68e4c9f05f53690a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,68e4c9f05f53690a,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,68e4c9f05f53690a,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,68e4c9f05f53690a,start
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,68e4c9f05f53690a,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,68e4c9f05f53690a,start
X-Google-Attributes: gid1031c8,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA Diamond SX-200 Boxed
Date: 2000/06/04
Message-ID: <z8A_4.791$l41.66702@news.intnet.net>#1/1
X-Deja-AN: 631043929
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960155295 199.1.102.7 (Sun, 04 Jun 2000 17:48:15 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 04 Jun 2000 17:48:15 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349966546




From 30674283045582582
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,143730761a4b9e18,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,143730761a4b9e18,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,143730761a4b9e18,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 1031c8,143730761a4b9e18,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 108778,143730761a4b9e18,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 108122,143730761a4b9e18,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,143730761a4b9e18,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f76e2,143730761a4b9e18,start
X-Google-Attributes: gidf76e2,public
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From: "Martyn" <martyn@intecc.co.uk>
Subject: FA Drake R4-C Nice
Date: 2000/06/04
Message-ID: <F9A_4.793$l41.66661@news.intnet.net>#1/1
X-Deja-AN: 631045386
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960155365 199.1.102.7 (Sun, 04 Jun 2000 17:49:25 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 04 Jun 2000 17:49:25 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.swap

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349963589

From -4603284787805660068
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,51f130b097a201b8,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,51f130b097a201b8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,51f130b097a201b8,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,51f130b097a201b8,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,51f130b097a201b8,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f76e2,51f130b097a201b8,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc8b1,51f130b097a201b8,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1031c8,51f130b097a201b8,start
X-Google-Attributes: gid1031c8,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA Very clean R4-C
Date: 2000/06/04
Message-ID: <GaA_4.794$l41.66685@news.intnet.net>#1/1
X-Deja-AN: 631046991
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960155430 199.1.102.7 (Sun, 04 Jun 2000 17:50:30 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 04 Jun 2000 17:50:30 EDT

Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.swap

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349961068

From 1158940889277309761
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,e7fdab24c18ffa92,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,e7fdab24c18ffa92,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,e7fdab24c18ffa92,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,e7fdab24c18ffa92,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,e7fdab24c18ffa92,start
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,e7fdab24c18ffa92,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,e7fdab24c18ffa92,start
X-Google-Attributes: gid1031c8,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA AKD VHF/UHF wavemeter
Date: 2000/06/05
Message-ID: <qdB_4.796$l41.66413@news.intnet.net>#1/1
X-Deja-AN: 631063985
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960159702 199.1.102.7 (Sun, 04 Jun 2000 19:01:42 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 04 Jun 2000 19:01:42 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349957655

From 3562853308610766622
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,e2cb0e30d1186d9e,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,e2cb0e30d1186d9e,start

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X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,e2cb0e30d1186d9e,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,e2cb0e30d1186d9e,start
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,e2cb0e30d1186d9e,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,e2cb0e30d1186d9e,start
X-Google-Attributes: gid1031c8,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA New in the box MFJ-906
Date: 2000/06/05
Message-ID: <leB_4.797$l41.66702@news.intnet.net>#1/1
X-Deja-AN: 631064449
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960159761 199.1.102.7 (Sun, 04 Jun 2000 19:02:41 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 04 Jun 2000 19:02:41 EDT
Newsgroups: alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349956194




From -5197780519138156077
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,9b83f43eec8a9388,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,9b83f43eec8a9388,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9b83f43eec8a9388,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,9b83f43eec8a9388,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1031c8,9b83f43eec8a9388,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 108778,9b83f43eec8a9388,start
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,9b83f43eec8a9388,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10ed5f,9b83f43eec8a9388,start
X-Google-Attributes: gid10ed5f,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA Collins 312-B4
Date: 2000/06/05
Message-ID: <ffB_4.798$l41.66718@news.intnet.net>#1/1
X-Deja-AN: 631064994
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X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960159819 199.1.102.7 (Sun, 04 Jun 2000 19:03:39 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 04 Jun 2000 19:03:39 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.swap

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349952067

From -2510093557830563373
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,2f0efec357f68fe7
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,2f0efec357f68fe7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,2f0efec357f68fe7
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,2f0efec357f68fe7
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 108778,2f0efec357f68fe7
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,2f0efec357f68fe7
X-Google-Attributes: gidf76e2,public
From: "TW" <tandb80@home.com>
Subject: Re: FA Collins KWM-2A
Date: 2000/06/05
Message-ID: <cLC_4.5423$r7.1155985@news1.rdc2.tx.home.com>#1/1
X-Deja-AN: 631089552
References: <D7A_4.790$l41.66723@news.intnet.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.tx.home.com 960165960 24.10.19.187 (Sun, 04 Jun 2000 17:46:00 PDT)
Organization: @Home Network
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 04 Jun 2000 17:46:00 PDT
Newsgroups: alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment

couldn't you put all these links into one post instead of post after post after post?

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Martyn <martyn@intecc.co.uk> wrote in message
news:D7A_4.790$l41.66723@news.intnet.net...
> http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349969047
>
>




From 8083031201110191323
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,85dda7aeb9161019,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,85dda7aeb9161019,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,85dda7aeb9161019,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,85dda7aeb9161019,start
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,85dda7aeb9161019,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,85dda7aeb9161019,start
X-Google-Attributes: gid1031c8,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA 9600TNC top spec.
Date: 2000/06/05
Message-ID: <jCD_4.809$l41.66935@news.intnet.net>#1/1
X-Deja-AN: 631101577
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960169487 199.1.102.97 (Sun, 04 Jun 2000 21:44:47 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 04 Jun 2000 21:44:47 EDT
Newsgroups: alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349928584





From 7486957274082997186
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,e45ca9892c649ab6,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,e45ca9892c649ab6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,e45ca9892c649ab6,start
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X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 1031c8,e45ca9892c649ab6,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 108778,e45ca9892c649ab6,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 108122,e45ca9892c649ab6,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,e45ca9892c649ab6,start
X-Google-Attributes: gidf76e2,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA New Icom IC-T81
Date: 2000/06/05
Message-ID: <9DD_4.810$l41.66830@news.intnet.net>#1/1
X-Deja-AN: 631101807
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960169541 199.1.102.97 (Sun, 04 Jun 2000 21:45:41 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 04 Jun 2000 21:45:41 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349926237

From -8901421713779049912
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,36cb664571ec9e90,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,36cb664571ec9e90,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,36cb664571ec9e90,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,36cb664571ec9e90,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 108122,36cb664571ec9e90,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,36cb664571ec9e90,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,36cb664571ec9e90,start
X-Google-Attributes: gidf76e2,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA New Kenwood PB-39
Date: 2000/06/05
Message-ID: <twD_4.801$l41.66810@news.intnet.net>#1/1
X-Deja-AN: 631101874
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600

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X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960169113 199.1.102.97 (Sun, 04 Jun 2000 21:38:33 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 04 Jun 2000 21:38:33 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349948574





From -3859855592473020770
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b18697e37ca23fba,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b18697e37ca23fba,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,b18697e37ca23fba,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fc8b1,b18697e37ca23fba,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 10ed5f,b18697e37ca23fba,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,b18697e37ca23fba,start
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,b18697e37ca23fba,start
X-Google-Attributes: gidf76e2,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA Drake MN-4C Mint
Date: 2000/06/05
Message-ID: <xwD_4.807$l41.66810@news.intnet.net>#1/1
X-Deja-AN: 631101909
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960169117 199.1.102.97 (Sun, 04 Jun 2000 21:38:37 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 04 Jun 2000 21:38:37 EDT
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.ama
teur.swap

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349981120





From 6629600277320951816
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X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,86774486a9549b03,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,86774486a9549b03,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,86774486a9549b03,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,86774486a9549b03,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 106d41,86774486a9549b03,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 108778,86774486a9549b03,start
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,86774486a9549b03,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,86774486a9549b03,start
X-Google-Attributes: gid1031c8,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA New Kenwood SP-23 Speaker
Date: 2000/06/05
Message-ID: <vwD_4.804$l41.66810@news.intnet.net>#1/1
X-Deja-AN: 631101960
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960169115 199.1.102.97 (Sun, 04 Jun 2000 21:38:35 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 04 Jun 2000 21:38:35 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.ham-
radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.cb

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349943288




From 3945370736155319225
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,38bb1361b96979e3,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,38bb1361b96979e3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,38bb1361b96979e3,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,38bb1361b96979e3,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 10ed5f,38bb1361b96979e3,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,38bb1361b96979e3,start
X-Google-Attributes: gid108778,public
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X-Google-Thread: fc8b1,38bb1361b96979e3,start
X-Google-Attributes: gidfc8b1,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA Mint Heathkit SB-220 2kw linear
Date: 2000/06/05
Message-ID: <wwD_4.806$l41.66810@news.intnet.net>#1/1
X-Deja-AN: 631102008
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960169116 199.1.102.97 (Sun, 04 Jun 2000 21:38:36 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 04 Jun 2000 21:38:36 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.
swap

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349933942





From -369987328616689287
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X-Google-Thread: 108122,2c7147d6f35a06d5,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 114aac,2c7147d6f35a06d5,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 108778,2c7147d6f35a06d5,start
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,2c7147d6f35a06d5,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,2c7147d6f35a06d5,start
X-Google-Attributes: gid1031c8,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: FA ERA Microreader Decoder
Date: 2000/06/05
Message-ID: <7ED_4.811$l41.66788@news.intnet.net>#1/1
X-Deja-AN: 631102100
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 960169603 199.1.102.97 (Sun, 04 Jun 2000 21:46:43 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 04 Jun 2000 21:46:43 EDT
```

Newsgroups: alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.shortwave

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=349924488

From -4991536543679169467
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d765e80479330f28
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1128c2,d765e80479330f28
X-Google-Attributes: gid1128c2,public
X-Google-Thread: 109b94,d765e80479330f28
X-Google-Attributes: gid109b94,public
From: Gord Skiffington <skiffing@nbnet.nb.ca>
Subject: Re: Recommend amateur radio exam study materials?
Date: 2000/03/25
Message-ID: <38D347D0.8FF@nbnet.nb.ca>#1/1
X-Deja-AN: 602366619
Content-Transfer-Encoding: 7bit
References: <8bg01b$ig2$1@ausnews.austin.ibm.com>
<38dbaebc.52852001@corp.supernews.com> <8bgiff$1llu$1@ausnews.austin.ibm.com>
<38dc07af.75626459@corp.supernews.com> <38DD1AAE.7CDFEB0@tinkers.com>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@nbnet.nb.ca
X-Trace: sodalite.nbnet.nb.ca 954021936 207.179.134.152 (Sat, 25 Mar 2000 18:05:36 AST)
Organization: NBTel Internet
MIME-Version: 1.0
NNTP-Posting-Date: Sat, 25 Mar 2000 18:05:36 AST
Newsgroups: rec.boats.cruising,rec.boats.electronics,rec.ham-radio

Thank-You Ray!
I've been trying to find a way to politely say what you just did so concisely, for a LONG time. Absolutely correct - Thanks again.

73 - Gord Skiffington VE1AJF

From 42278399528949024
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d765e80479330f28
X-Google-Attributes: gid10c9e3,public
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X-Google-Attributes: gid1128c2,public
X-Google-Thread: 109b94,d765e80479330f28
X-Google-Attributes: gid109b94,public
From: Ray Thackeray <seastar@tinkers.com>
Subject: Re: Recommend amateur radio exam study materials?

Date: 2000/03/25
Message-ID: <38DD9B35.ACD3EB62@tinkers.com>#1/1
X-Deja-AN: 602463001
Content-Transfer-Encoding: 7bit
References: <8bg01b$ig2$1@ausnews.austin.ibm.com> <38dbaebc.52852001@corp.supernews.com> <8bgiff$1llu$1@ausnews.austin.ibm.com> <38dc07af.75626459@corp.supernews.com> <38DD1AAE.7CDFEB0@tinkers.com> <38dd741c.46149590@corp.supernews.com>
To: Larry W4CSC <W4CSC@lostonthe.net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: nntp1.ba.best.com 954046797 210 204.254.26.125
MIME-Version: 1.0
Newsgroups: rec.boats.cruising,rec.boats.electronics,rec.ham-radio

Get real? I think I am. For example, I have lobbied against the obsolete CW requirement. However, running an HF rig is VERY complicated for the average "chat" user. There are rules and reasons why an Amateur Radio hobbyist needs the theory and practical electronics - the rigs can transmit in all modes, at any frequency all over the HF bands and beyond. Most VHF rigs, by contrast, are very simple, AM or FM, few with SSB capability, etc. and difficult to build, one of the reasons originally why non-code licensees got the chance to use VHF frequencies.

Commercial radio stations have strict rules about spurious transmissions. But if it's easy for a Ham to pass a test and get by without any theory, let alone understanding of what they can do with their rigs, then sure enough those people will be transmitting all over the place, seding up serious harmonics etc. without understanding that they're interfering with Emergency transmissions, etc. With 5KW afterburners.

Ray

Larry W4CSC wrote:

> On Sat, 25 Mar 2000 11:59:42 -0800, Ray Thackeray
> <seastar@tinkers.com> wrote:
>
> >I find this quite incredible.
> >
> >The whole point behind Amateur Radio is to further the research and practice of communications
> >electronics and theory. If it's just to get a ticket to chat with other people, then there's no
> >point in Amateur Radio at all, just a cynical exercise in getting the advantages of such a noble
> >hobby without the obligations or responsibilities.

```
> >
> >Ray
> >
> Sounds very noble, Ray.  But, unfortunately, it's not REALITY.  I had
> nothing to do with the stupid incentive licensing ARRL shoved down our
> throats that started all this.  I had nothing to do, either, with
> multiple-guess questioning!  When I took my Novice, Technician,
> General and Advanced, you were handed such questions as
> DRAW......EXPLAIN......DESCRIBE HOW TO......etc.  If the GENUINE FCC
> field engineer reading your PROSE didn't like what you said, you
> DIDN'T get a license....period....see you next month.  You copied CW,
> now totally obsolete and should have been eliminated 20 years ago,
> straight from the tape....letter for letter.....no multiple-guess
> questions.  One test I took was 5-letter CODED GROUPS....you copied
> one minute with NO errors out of 5 minutes......
>
> Let's put the technician back in ham radio.  We'll give a TECHNICAL
> test of MODERN electronic practices and theory....not vacuum tubes and
> crystal receivers, like they used to.  The CW test won't be necessary.
> ONLY good technicians will be allowed to have ham licenses, as it was
> intended to be.  NOONE will see the actual test questions, which will
> be changed every other month to new questions so the ham schools won't
> be teaching the test....like we all are now.
>
> I'm for it....100%....because I could pass any of them.  But, it's not
> REALITY.....political or practical.  Ham radio hasn't provided the
> world with electronic technicians since Intel created the 4004
> microprocessor.  NOONE needs ANALOG technicians to run AM tranmitters
> full of tubes!!  Get real!
>
> Larry....It's a HOBBY, dammit.....
> W4CSC




From 2343515797587036278
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d765e80479330f28
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1128c2,d765e80479330f28
X-Google-Attributes: gid1128c2,public
X-Google-Thread: 109b94,d765e80479330f28
X-Google-Attributes: gid109b94,public
From: W4CSC@lostonthe.net (Larry W4CSC)
Subject: Re: Recommend amateur radio exam study materials?
Date: 2000/03/26
Message-ID: <38dd741c.46149590@corp.supernews.com>#1/1
X-Deja-AN: 602436040
References: <8bg01b$ig2$1@ausnews.austin.ibm.com>
<38dbaebc.52852001@corp.supernews.com> <8bgiff$1llu$1@ausnews.austin.ibm.com>
<38dc07af.75626459@corp.supernews.com> <38DD1AAE.7CDFEB0@tinkers.com>
Organization: Posted via Supernews, http://www.supernews.com
```

```
Newsgroups: rec.boats.cruising,rec.boats.electronics,rec.ham-radio
X-Complaints-To: newsabuse@supernews.com
```

On Sat, 25 Mar 2000 11:59:42 -0800, Ray Thackeray
<seastar@tinkers.com> wrote:

>I find this quite incredible.
>
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>electronics and theory. If it's just to get a ticket to chat with other people, then there's no
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>hobby without the obligations or responsibilities.
>
>Ray
>

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Let's put the technician back in ham radio. We'll give a TECHNICAL test of MODERN electronic practices and theory....not vacuum tubes and crystal receivers, like they used to. The CW test won't be necessary. ONLY good technicians will be allowed to have ham licenses, as it was intended to be. NOONE will see the actual test questions, which will be changed every other month to new questions so the ham schools won't be teaching the test....like we all are now.

I'm for it....100%....because I could pass any of them. But, it's not REALITY.....political or practical. Ham radio hasn't provided the world with electronic technicians since Intel created the 4004 microprocessor. NOONE needs ANALOG technicians to run AM tranmitters full of tubes!! Get real!

Larry....It's a HOBBY, dammit.....
W4CSC

```
From 5773009776564822398
X-Google-Language: ENGLISH,ASCII-7-bit
```

X-Google-Thread: 10c9e3,d765e80479330f28
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1128c2,d765e80479330f28
X-Google-Attributes: gid1128c2,public
X-Google-Thread: 109b94,d765e80479330f28
X-Google-Attributes: gid109b94,public
From: W4CSC@lostonthe.net (Larry W4CSC)
Subject: Re: Recommend amateur radio exam study materials?
Date: 2000/03/26
Message-ID: <38de46d6.721959@corp.supernews.com>#1/1
X-Deja-AN: 602630978
References: <8bg01b$ig2$1@ausnews.austin.ibm.com>
<38dbaebc.52852001@corp.supernews.com> <8bgiff$1llu$1@ausnews.austin.ibm.com>
<38dc07af.75626459@corp.supernews.com> <38DD1AAE.7CDFEB0@tinkers.com>
<38dd741c.46149590@corp.supernews.com> <38DD9B35.ACD3EB62@tinkers.com>
Organization: Posted via Supernews, http://www.supernews.com
Newsgroups: rec.boats.cruising,rec.boats.electronics,rec.ham-radio
X-Complaints-To: newsabuse@supernews.com

On Sat, 25 Mar 2000 21:08:05 -0800, Ray Thackeray
<seastar@tinkers.com> wrote:

>Commercial radio stations have strict rules about spurious transmissions. But if
it's easy for a Ham
>to pass a test and get by without any theory, let alone understanding of what
they can do with their
>rigs, then sure enough those people will be transmitting all over the place,
seding up serious
>harmonics etc. without understanding that they're interfering with Emergency
transmissions, etc. With
>5KW afterburners.
>
>Ray
>

Commercial radio stations don't even HAVE licensed operators, any
more. Only the chief engineer needs a GROL. FCC told the
broadcasters if they didn't hire their quota of blacks at the
transmitter, they were going to cancel their licenses. Broadcasters
fired back that they'd hire 'em IF they could find some that had FCC
licenses. Noting the number of black broadcast engineers with 1st
phone licenses...even down to 3rd licenses you could count on fingers,
FCC simply deleted the requirement.....

Larry W4CSC.

From 177609642428246695
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f29656650a198a37,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,f29656650a198a37,start

X-Google-Attributes: gid1109af,public
From: John Pavelich <jpavelich@home.com>
Subject: TH 27 Help needed
Date: 2000/03/27
Message-ID: <38DEB6C5.52DB94E4@home.com>#1/1
X-Deja-AN: 602768952
Content-Transfer-Encoding: 7bit
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.bc.home.com 954119773 24.113.168.248 (Sun, 26 Mar 2000 17:16:13 PST)
Organization: @Home Network
MIME-Version: 1.0
NNTP-Posting-Date: Sun, 26 Mar 2000 17:16:13 PST
Newsgroups: rec.ham-radio,rec.radio.swap

Hi.

I have a TH 27A that was in storage for a number of years. When taken out of storage it stopped working, even though the battery charged ok.

The display and all of the keys on the keypad operate normally but there is no receive and no transmit, although by looking at the display, it indicates that the unit is operating.

Does anyone have any suggestions as to what might be wrong? I tried everything in the manual, (microprocessor reset, etc) but I can't get it to run.

I have no schematic, so if anyone can make me a copy it would be appreciated and I'll gladly pay for it.

Regards
John
VE7RCS

From -6281417049166601000
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d765e80479330f28
X-Google-Attributes: gid10c9e3,public
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X-Google-Attributes: gid1128c2,public
X-Google-Thread: 109b94,d765e80479330f28
X-Google-Attributes: gid109b94,public
From: brandonm@purgatory.austin.ibm.com (Brandon Mayfield)
Subject: Re: Recommend amateur radio exam study materials?
Date: 2000/03/27
Message-ID: <8bobkb$j8g$1@ausnews.austin.ibm.com>#1/1
X-Deja-AN: 603070146
Distribution: usa

References: <8bg01b$ig2$1@ausnews.austin.ibm.com>
<38dbaebc.52852001@corp.supernews.com> <8bgiff$1llu$1@ausnews.austin.ibm.com>
<38dc07af.75626459@corp.supernews.com>
Organization: varies with the inverse of the frustration
Reply-To: brandonm@austin.ibm.com
Newsgroups: rec.boats.cruising,rec.boats.electronics,rec.ham-radio
Originator: brandonm@purgatory.austin.ibm.com ()

Thanks for the advise, but the electronics per se are not the problem. I'm out of practise, but can still do fairly complex analog and digital circuit analysis, and given the right test equipment and schematics can troubleshoot most anything to component level. Started at the tender age of 12 or so.

In general I agree with you though. Given that many HAMs can still contribute to the hobby without holding an EE degree from MIT, perhaps an intimate knoweledge of analog circuits isn't really required. Off the shelf equipment and another HAM (or paid professional) to help you get your shack set up and reasonable periodic inspection should be sufficient to ensure safe and legal equipment.

On the rules and practices, it's another matter. Does the test question pool cover all the possibilities and regulations? I suspect that there is just a sampling from the FCC codes, to measure "how well you've studied". Apart from that I find it easier to get a good grasp of the subject matter if I can see the whole of the material presented in a logical sequence, rather than simply memorizing a few answers to selected questions.

For the parts that affect me and my operation, those will become ingrained over time. I can always look it up if I have a question or don't recall some particular esoterica.

Maybe this is an argument for a more comprehensive test. Make it difficult and open book, and gauge how well an operator can function in an environment closer to the world in which they will be working rather than a multiple guess test that measures what they remember on the day they take it.

I suppose that after studying the material I've ordered I will take the entire battery of test questions and then review why I missed any particular ones. Studying the material is just another form of memorization, and one that works better for me (and is more enjoyable) than rote memorization.

I never memorized the resistor color code but I still remember "Bad Boys Rape Our Young Girls, But Violet Gives Willingly". :-)

Brandon Mayfield

In article <38dc07af.75626459@corp.supernews.com>, W4CSC@lostonthe.net (Larry

W4CSC) writes:
> Good advise follows:
>
> Don't try to learn any electronics. Don't try to memorize all this
> nonsense you'll never use. Don't approach the test as an engineer.
> An engineer had nothing to do with its questions and would be insulted
> if you thought so.
>
> Rote memorize the questions and their correct answers. That's what
> makes the qrz.com practice tests so important. Those are the REAL
> QUESTIONS to the REAL TESTS! If you can memorize those
> question/answer combinations, you get your license(s).
>
> EVERY ham REALLY needs to have MEMORIZED that you have to notify the
> FCC 27 months before you expect to launch your own ham radio satellite
> with the Army Surplus ICBM from the cow pasture out back of the
> barn.....stupid question on the EXTRA test from a stupid questioner.
> How dumb.....
>
> Larry....If a ham has a question about VE or Satellite launch,
> couldn't he LOOK IT UP, instead of having to memorize it?? Duhhh.....
>
>

From -4952191912742787361
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d765e80479330f28
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1128c2,d765e80479330f28
X-Google-Attributes: gid1128c2,public
X-Google-Thread: 109b94,d765e80479330f28
X-Google-Attributes: gid109b94,public
From: brandonm@purgatory.austin.ibm.com (Brandon Mayfield)
Subject: Re: Recommend amateur radio exam study materials?
Date: 2000/03/27
Message-ID: <8bocbn$1jsi$1@ausnews.austin.ibm.com>#1/1
X-Deja-AN: 603074074
Distribution: usa
References: <8bg01b$ig2$1@ausnews.austin.ibm.com> <38DC59F9.2AFE@worldnet.att.net>
Organization: varies with the inverse of the frustration
Reply-To: brandonm@austin.ibm.com
Newsgroups: rec.boats.cruising,rec.boats.electronics,rec.ham-radio
Originator: brandonm@purgatory.austin.ibm.com ()

Thanks, I'll go looking for "Supermorse". When I was a kid and had
visions of building my own rig, I got up to about 5 WPM more or
less and "plateaued out". Realizing that I needed 13 (or 15 or
whatever it was at the time) WPM to get privilege in the bands
I really wanted, I gave up.

Brandon

In article <38DC59F9.2AFE@worldnet.att.net>, jean somerhausen
<diplodocus1@worldnet.att.net> writes:
> Brandon, if you've already tried and failed to pass the General test,
> the only solution is to cram the answers. The ARRL had booklets for each
> class, with all the quesitons and answers. If you cram that, you're
> bound to succeed. For the code, I'd suggest "Supermorse"; you can
> download it from the Net. An excellent program where you can vary the
> speed to adapt to your own pace; you don't have to look at the screen,
> just listen to the sounds and write down the letters. The downside is
> that the code is so crisp and clear on the program that you'll be thrown
> off by the crappy sound of the casssettes they use at the VEC
> sessions....:-)
> john
>
>
>
> Brandon Mayfield wrote:
> >
> > I figure that now would be as good a time as any to start
> > studying for that General license exam.
> >
> > I went out to the web sites that Larry W$CSC recommended
> > and took the practice tests, I can pass the Tech tests
> > most of the time on the stength of my ET background in
> > the electronics and communications theory subelements.
> >
> > With some common sense and elimination I can do reasonably
> > well in the other subelements, but the rules / procedures /
> > practices are where I loose the most points. I could use a
> > little study in antennas and feedlines and also in RF
> > saftey and a review of the more esoteric aspects of signal
> > propigation as well.
> >
> > I took the General test several times and never did pass it,
> > though I came pretty close a couple of times.
> >
> > So what I'm looking for is a recommendation for study
> > materials. I'm not much into memorizeing the questions and
> > answers, I'd rather learn the subject beyond the exam
> > questions, and have it down cold before I take the test.
> > If the study materials contained something for code practice,
> > that'd be good too.
> >
> > I don't think I want any computer based traing, I spend too
> > much time in front of the tube as it is; however, if
> > someone has used a CBT course that they think can't be beat
> > I'd like to hear about it.
> >
> > Thanks, Brandon Mayfield
> >
>

```
>

   /|    |\        Sincerely, Brandon Mayfield
  / /    \ \
  | |____| |                 Work                    Home
 /          \
|  \\\\ //// | Email: brandonm@purgatory.austin.ibm.com
|    O   O   |        brandonm@austin.ibm.com brandonm@wans.net
|      ..    | VNET : BRANDONM AT AUSTIN
\    \____/  / Voice: 1-512-838-3353          1-512-990-9709
 \__      __/         (tie) 678-3353
____\\\///___  FAX  : 1-512-838-3509          1-512-990-9719
=================================================================
```

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From 1308628653738474351
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d765e80479330f28
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X-Google-Attributes: gid1128c2,public
X-Google-Thread: 109b94,d765e80479330f28
X-Google-Attributes: gid109b94,public
From: brandonm@purgatory.austin.ibm.com (Brandon Mayfield)
Subject: Re: Recommend amateur radio exam study materials?
Date: 2000/03/27
Message-ID: <8bocp0$1gfm$1@ausnews.austin.ibm.com>#1/1
X-Deja-AN: 603078631
Distribution: usa
References: <8bg01b$ig2$1@ausnews.austin.ibm.com>
<38dbaebc.52852001@corp.supernews.com> <8bgiff$1llu$1@ausnews.austin.ibm.com>
<38dc07af.75626459@corp.supernews.com> <38DD1AAE.7CDFEB0@tinkers.com>
Organization: varies with the inverse of the frustration
Reply-To: brandonm@austin.ibm.com
Newsgroups: rec.boats.cruising,rec.boats.electronics,rec.ham-radio
Originator: brandonm@purgatory.austin.ibm.com ()
```

I hope your commentary is not directed at my description of an autopatch for my wife to save on long distance bills. It was totally toung-in-cheek, going along with the tone of the rest of the note. I don't think my wife would put up with much complexity beyond dialing the 10 digits, and in fact I believe she's got the speed dial programmed so it's down to only two. :-)

Although I'd like to try it just to say we've done it.

Brandon Mayfield

In article <38DD1AAE.7CDFEB0@tinkers.com>, Ray Thackeray <seastar@tinkers.com>

writes:
> I find this quite incredible.
>
> The whole point behind Amateur Radio is to further the research and practice of communications
> electronics and theory. If it's just to get a ticket to chat with other people, then there's no
> point in Amateur Radio at all, just a cynical exercise in getting the advantages of such a noble
> hobby without the obligations or responsibilities.
>
> Ray
>
> Larry W4CSC wrote:
>
> > Good advise follows:
> >
> > Don't try to learn any electronics. Don't try to memorize all this
> > nonsense you'll never use. Don't approach the test as an engineer.
> > An engineer had nothing to do with its questions and would be insulted
> > if you thought so.
> >
> > Rote memorize the questions and their correct answers. That's what
> > makes the qrz.com practice tests so important. Those are the REAL
> > QUESTIONS to the REAL TESTS! If you can memorize those
> > question/answer combinations, you get your license(s).
> >
> > EVERY ham REALLY needs to have MEMORIZED that you have to notify the
> > FCC 27 months before you expect to launch your own ham radio satellite
> > with the Army Surplus ICBM from the cow pasture out back of the
> > barn.....stupid question on the EXTRA test from a stupid questioner.
> > How dumb.....
> >
> > Larry....If a ham has a question about VE or Satellite launch,
> > couldn't he LOOK IT UP, instead of having to memorize it?? Duhhh.....
> >
> > On 24 Mar 2000 20:16:47 GMT, brandonm@purgatory.austin.ibm.com
> > (Brandon Mayfield) wrote:
> >
> > >
> > >In article <38dbaebc.52852001@corp.supernews.com>, W4CSC@lostonthe.net (Larry W4CSC) writes:
> > >> Go to any Radio Shack. They have the books!
> > >>
> > >> You can also buy study materials from the ARRL (www.arrl.org).
> > >>
> > >
> > > I ordered the ARRL books for novice/tech and general. They
> > > should give me enough to pass the revised exams after 15 Apr,
> > > and enough to be dangerous. I can always practice on the web
> > > pages.
> > >
> > >> Hope to see you on the band....(c;

> > >>
> > >
> > > First thing is to set my wife up with an autopatch. $200/mo
> > > phone bills, and that's at $0.05/min. "Honey, we've gotta
> > > pay for all this gear..."
> > >
> > > I imagine I'll make a lot more use of it once we start
> > > cruising.
> > >
> > >> Does IBM really run Purgatory?? Is Purgatory in Austin?? I'll tell
> > >> the Monsignor....(c;
> > >>
> > >
> > > Just doing my penance ;-). Actually, "Hades" was already taken...
> > >
> > >> Larry W4CSC/SCE (slow code extra)
> > >>
> > >
> > > Brandon Mayfield
> > >
>

From -7608143171215983333
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d765e80479330f28
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109b94,d765e80479330f28
X-Google-Attributes: gid109b94,public
X-Google-Thread: 1128c2,d765e80479330f28
X-Google-Attributes: gid1128c2,public
From: W4CSC@lostonthe.net (Larry W4CSC)
Subject: Re: Recommend amateur radio exam study materials?
Date: 2000/03/28
Message-ID: <38e02cc6.8886551@corp.supernews.com>
X-Deja-AN: 603255348
References: <8bg01b$ig2$1@ausnews.austin.ibm.com>
<38dbaebc.52852001@corp.supernews.com> <8bgiff$1llu$1@ausnews.austin.ibm.com>
<38dc07af.75626459@corp.supernews.com> <8bobkb$j8g$1@ausnews.austin.ibm.com>
Organization: Posted via Supernews, http://www.supernews.com
Newsgroups: rec.boats.cruising,rec.boats.electronics,rec.ham-radio
X-Complaints-To: newsabuse@supernews.com

On 27 Mar 2000 19:08:59 GMT, brandonm@purgatory.austin.ibm.com
(Brandon Mayfield) wrote:

>
> Thanks for the advise, but the electronics per se are not the
> problem. I'm out of practise, but can still do fairly complex
> analog and digital circuit analysis, and given the right test
> equipment and schematics can troubleshoot most anything to
> component level. Started at the tender age of 12 or so.

Stop by the house. I got a real DOG of a Baldwin church organ with an
early computer on about 48 daughterboards to fix in the
morning....$$$$$
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> In general I agree with you though. Given that many HAMs can
> still contribute to the hobby without holding an EE degree from
> MIT, perhaps an intimate knoweledge of analog circuits isn't
> really required. Off the shelf equipment and another HAM (or
> paid professional) to help you get your shack set up and
> reasonable periodic inspection should be sufficient to ensure
> safe and legal equipment.

Naw....All you need to be a ham these days is the Ham Radio Outlet
website (www.hamradio.com) and a VISA with a $50,000 limit, Platinum
preferred. They'll take care of the rest....
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> question pool cover all the possibilities and regulations? I
> suspect that there is just a sampling from the FCC codes, to
> measure "how well you've studied". Apart from that I find it
> easier to get a good grasp of the subject matter if I can see
> the whole of the material presented in a logical sequence,
> rather than simply memorizing a few answers to selected questions.

No, the test questions only include the stupidest rules to rote
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Too bad someone doesn't have sense enough to allow you to bring the
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Keep taking the tests, memorizing the questions and answer on:
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```
From 4267238877549585874
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d765e80479330f28
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109b94,d765e80479330f28
X-Google-Attributes: gid109b94,public
X-Google-Thread: 1128c2,d765e80479330f28
X-Google-Attributes: gid1128c2,public
From: jean somerhausen <diplodocus1@worldnet.att.net>
Subject: Re: Recommend amateur radio exam study materials?
Date: 2000/03/29
Message-ID: <38E24FA0.6AA2@worldnet.att.net>
X-Deja-AN: 603899377
Content-Transfer-Encoding: 7bit
References: <8bg01b$ig2$1@ausnews.austin.ibm.com>
<38dbaebc.52852001@corp.supernews.com> <8bgiff$1llu$1@ausnews.austin.ibm.com>
<38dc07af.75626459@corp.supernews.com> <8bobkb$j8g$1@ausnews.austin.ibm.com>
<38e02cc6.8886551@corp.supernews.com>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@worldnet.att.net
X-Trace: bgtnsc06-news.ops.worldnet.att.net 954345207 12.79.4.217 (Wed, 29 Mar
2000 15:53:27 GMT)
Organization: BOC
MIME-Version: 1.0
Reply-To: diplodocus1@worldnet.att.net
NNTP-Posting-Date: Wed, 29 Mar 2000 15:53:27 GMT
Newsgroups: rec.boats.cruising,rec.boats.electronics,rec.ham-radio
```

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```
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From 4198818184961485294
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d765e80479330f28
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1128c2,d765e80479330f28
X-Google-Attributes: gid1128c2,public
X-Google-Thread: 109b94,d765e80479330f28
X-Google-Attributes: gid109b94,public
```

From: W4CSC@lostonthe.net (Larry W4CSC)
Subject: Re: Recommend amateur radio exam study materials?
Date: 2000/03/30
Message-ID: <38e2a734.1971595@corp.supernews.com>#1/1
X-Deja-AN: 604110894
References: <8bg01b$ig2$1@ausnews.austin.ibm.com>
<38dbaebc.52852001@corp.supernews.com> <8bgiff$1llu$1@ausnews.austin.ibm.com>
<38dc07af.75626459@corp.supernews.com> <8bobkb$j8g$1@ausnews.austin.ibm.com>
<38e02cc6.8886551@corp.supernews.com> <38E24FA0.6AA2@worldnet.att.net>
Organization: Posted via Supernews, http://www.supernews.com
Newsgroups: rec.boats.cruising,rec.boats.electronics,rec.ham-radio
X-Complaints-To: newsabuse@supernews.com

On Wed, 29 Mar 2000 15:53:27 GMT, jean somerhausen
<diplodocus1@worldnet.att.net> wrote:

>Larry "Not o single question on how to tune a big linear". Have you
>forgotten rule 97.313 (a) ? The only one a ham should remember without
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Same way a BIG snowplow makes a hole in the snowpile so the tiny
Volkswagen can get out of his driveway!

Larry W4CSC - POWER is our FRIEND. It's why EVERY broadcast station
has POWER!

From 2154790743185934277
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d765e80479330f28
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1128c2,d765e80479330f28
X-Google-Attributes: gid1128c2,public
X-Google-Thread: 109b94,d765e80479330f28
X-Google-Attributes: gid109b94,public
From: jean somerhausen <diplodocus1@worldnet.att.net>
Subject: Re: Recommend amateur radio exam study materials?
Date: 2000/03/30
Message-ID: <38E2D71D.3803@worldnet.att.net>#1/1
X-Deja-AN: 604123696
Content-Transfer-Encoding: 7bit
References: <8bg01b$ig2$1@ausnews.austin.ibm.com>
<38dbaebc.52852001@corp.supernews.com> <8bgiff$1llu$1@ausnews.austin.ibm.com>
<38dc07af.75626459@corp.supernews.com> <8bobkb$j8g$1@ausnews.austin.ibm.com>
<38e02cc6.8886551@corp.supernews.com> <38E24FA0.6AA2@worldnet.att.net>
<38e2a734.1971595@corp.supernews.com>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@worldnet.att.net
X-Trace: bgtnsc05-news.ops.worldnet.att.net 954380757 12.79.162.137 (Thu, 30 Mar

2000 01:45:57 GMT)
Organization: BOC
MIME-Version: 1.0
Reply-To: diplodocus1@worldnet.att.net
NNTP-Posting-Date: Thu, 30 Mar 2000 01:45:57 GMT
Newsgroups: rec.boats.cruising,rec.boats.electronics,rec.ham-radio

Shouldn't such views be aired on "rec.brodcasting" ?
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X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1128c2,d765e80479330f28
X-Google-Attributes: gid1128c2,public
X-Google-Thread: 109b94,d765e80479330f28
X-Google-Attributes: gid109b94,public
From: W4CSC@lostonthe.net (Larry W4CSC)
Subject: Re: Recommend amateur radio exam study materials?
Date: 2000/03/30
Message-ID: <38e2d779.14330601@corp.supernews.com>#1/1
X-Deja-AN: 604173196
References: <8bg01b$ig2$1@ausnews.austin.ibm.com>
<38dbaebc.52852001@corp.supernews.com> <8bgiff$1llu$1@ausnews.austin.ibm.com>
<38dc07af.75626459@corp.supernews.com> <8bobkb$j8g$1@ausnews.austin.ibm.com>
<38e02cc6.8886551@corp.supernews.com> <38E24FA0.6AA2@worldnet.att.net>
<38e2a734.1971595@corp.supernews.com> <38E2D71D.3803@worldnet.att.net>
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Nope....This thread is about ham radio. If you're not interested, why
not just tell your new reader to ignore it....instead of the bitching?

Larry W4CSC

From -5463737909588318917
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fb2a439bdb383323,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1062f2,fb2a439bdb383323,start
X-Google-Attributes: gid1062f2,public
X-Google-Thread: f76e2,fb2a439bdb383323,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 115730,4e7b7b7fabdd5c33
X-Google-Attributes: gid115730,public
X-Google-Thread: 107cee,fb2a439bdb383323,start
X-Google-Attributes: gid107cee,public
From: sjnoll@big-list.com (Steve J. Noll)
Subject: Re: ITC Spectrum Analyzer manual
Date: 2000/04/01
Message-ID: <38e6821f.13012338@nntp.ix.netcom.com>#1/1
X-Deja-AN: 605441271
References: <8XcF4.155$H%3.912@newsfeed.slurp.net>
Organization: MindSpring Enterprises
X-Server-Date: 1 Apr 2000 23:15:23 GMT
Newsgroups: misc.industry.electronics.marketplace,rec.ham-radio,rec.ham-radio.swap,sci.electronics.equipment,sci.electronics.misc

There is a list of manual dealers at:

http://www.big-list.com

On Fri, 31 Mar 2000 21:17:23 -0500, "Robert Korbar" <crow2@penn.com>
wrote:

>Hello to the group.
>Am looking for a ITC SA1300b manual.
>Any help would be appreciated.
>
>Thanks.
>Bob
>Email crow2@penn.com
>

```
Steve J. Noll | Ventura California | sjnoll@big-list.com
                    | The Used High-Tech Equipment Dealer Directory
                    | http://www.big-list.com
                    | The Peltier Device Information Site:
                    | http://www.big-list.com/peltier.html
```

From 5461287808502884596
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d765e80479330f28
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1128c2,d765e80479330f28
X-Google-Attributes: gid1128c2,public
X-Google-Thread: 109b94,d765e80479330f28
X-Google-Attributes: gid109b94,public
From: Jimi Greydog <ringlord@earthling.net>
Subject: Re: Recommend amateur radio exam study materials?
Date: 2000/04/03
Message-ID: <sg1jes0704hfc12vrv0a0o8umpr07qhvpc@4ax.com>#1/1
X-Deja-AN: 606426674
Content-Transfer-Encoding: 7bit
References: <8bg01b$ig2$1@ausnews.austin.ibm.com>
<38dbaebc.52852001@corp.supernews.com> <8bgiff$1llu$1@ausnews.austin.ibm.com>
<38dc07af.75626459@corp.supernews.com> <38DD1AAE.7CDFEB0@tinkers.com>
<38dd741c.46149590@corp.supernews.com> <38DD9B35.ACD3EB62@tinkers.com>
Content-Type: text/plain; charset=us-ascii
X-Trace: 4 Apr 2000 01:08:42 -0500, eugeneuser024.bossig.com
MIME-Version: 1.0
Reply-To: jimigreydog@yahoo.com
Newsgroups: rec.boats.cruising,rec.boats.electronics,rec.ham-radio

Hi, all ..

Of course there is this:

In a world so complex, more and more people are just simply going to go outlaw and say the heck with ALL of you and they DO NOT CARE what the right or wrong way is.. they will use what damn well suits them.. the policing organizations will only catch the extreme radicals and the rest will have successfully destroyed your credibility, as the CBers who ignore the laws and the hams who think it is funny to mess with them have done on their bands..
So what do you want a lot of happy folks who are learning and working to learn, or a regulation-prone outlaw-ridden tyranny of the air?

Believe me compliance with the rules is strictly voluntary.. anyone with money can ignore them and most do.. including many you think are legit..
I personally believe that some regulation is good and necessary.. but that the times decree that maybe we do not have to be as strict about

things as in the bad old days... we are not storm troopers, after
all.. we are not tyrant's children..

Your choice..

Jim
KC7SVQ

On Sat, 25 Mar 2000 21:08:05 -0800, Ray Thackeray
<seastar@tinkers.com> wrote:

>Get real? I think I am. For example, I have lobbied against the obsolete CW requirement. However,
>running an HF rig is VERY complicated for the average "chat" user. There are rules and reasons why an
>Amateur Radio hobbyist needs the theory and practical electronics - the rigs can transmit in all
>modes, at any frequency all over the HF bands and beyond. Most VHF rigs, by contrast, are very
>simple, AM or FM, few with SSB capability, etc. and difficult to build, one of the reasons originally
>why non-code licensees got the chance to use VHF frequencies.
>
>Commercial radio stations have strict rules about spurious transmissions. But if it's easy for a Ham
>to pass a test and get by without any theory, let alone understanding of what they can do with their
>rigs, then sure enough those people will be transmitting all over the place, seding up serious
>harmonics etc. without understanding that they're interfering with Emergency transmissions, etc. With
>5KW afterburners.
>
>Ray
>
>Larry W4CSC wrote:
>
>> On Sat, 25 Mar 2000 11:59:42 -0800, Ray Thackeray
>> <seastar@tinkers.com> wrote:
>>
>> >I find this quite incredible.
>> >
>> >The whole point behind Amateur Radio is to further the research and practice of communications
>> >electronics and theory. If it's just to get a ticket to chat with other people, then there's no
>> >point in Amateur Radio at all, just a cynical exercise in getting the advantages of such a noble
>> >hobby without the obligations or responsibilities.
>> >
>> >Ray
>> >
>> Sounds very noble, Ray. But, unfortunately, it's not REALITY. I had

>> nothing to do with the stupid incentive licensing ARRL shoved down our
>> throats that started all this. I had nothing to do, either, with
>> multiple-guess questioning! When I took my Novice, Technician,
>> General and Advanced, you were handed such questions as
>> DRAW......EXPLAIN......DESCRIBE HOW TO......etc. If the GENUINE FCC
>> field engineer reading your PROSE didn't like what you said, you
>> DIDN'T get a license....period....see you next month. You copied CW,
>> now totally obsolete and should have been eliminated 20 years ago,
>> straight from the tape....letter for letter.....no multiple-guess
>> questions. One test I took was 5-letter CODED GROUPS....you copied
>> one minute with NO errors out of 5 minutes......
>>
>> Let's put the technician back in ham radio. We'll give a TECHNICAL
>> test of MODERN electronic practices and theory....not vacuum tubes and
>> crystal receivers, like they used to. The CW test won't be necessary.
>> ONLY good technicians will be allowed to have ham licenses, as it was
>> intended to be. NOONE will see the actual test questions, which will
>> be changed every other month to new questions so the ham schools won't
>> be teaching the test....like we all are now.
>>
>> I'm for it....100%....because I could pass any of them. But, it's not
>> REALITY.....political or practical. Ham radio hasn't provided the
>> world with electronic technicians since Intel created the 4004
>> microprocessor. NOONE needs ANALOG technicians to run AM tranmitters
>> full of tubes!! Get real!
>>
>> Larry....It's a HOBBY, dammit.....
>> W4CSC

From 2797641927171442178
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12877b7765a0421b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9356,12877b7765a0421b,start
X-Google-Attributes: gidf9356,public
From: "Carmine Prestia" <cwp101@psu.edu>
Subject: FS: Ham Items on eBay
Date: 2000/04/06
Message-ID: <LRSG4.107580$Tn4.682159@news1.rdc2.pa.home.com>#1/1
X-Deja-AN: 607360457
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.pa.home.com 954989035 24.8.222.78 (Wed, 05 Apr 2000 19:43:55 PDT)
Organization: @Home Network
X-MSMail-Priority: Normal
NNTP-Posting-Date: Wed, 05 Apr 2000 19:43:55 PDT
Newsgroups: dc.ham-radio,rec.ham-radio

Fellow hams, some of you might be interested in the below listed items being sold on ebay right now:

Motorola Desk Microphone
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=301602819

Autek QF-1 Active Filter
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=301698451

Teletype Loop Supply
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=301920054

Thanks in advance for anyone who looks at the items.

Thank you.
Carmine W. Prestia, Jr.

```
From 5110603225010121057
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7ec935380b2a5f85,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11480d,7ec935380b2a5f85,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: f7653,7ec935380b2a5f85,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: fcc6e,7ec935380b2a5f85,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f84e8,7ec935380b2a5f85,start
X-Google-Attributes: gidf84e8,public
X-Google-Thread: fa656,7ec935380b2a5f85,start
X-Google-Attributes: gidfa656,public
From: "Andre" <pa5wx@amsat.org>
Subject: New AURORA RealAudioFiles 50 Mhz 6-4-2000
Date: 2000/04/07
Message-ID: <mllH4.2826$_c.42383@news.rdc1.ov.nl.home.com>#1/1
X-Deja-AN: 607988649
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@home.nl
X-Trace: news.rdc1.ov.nl.home.com 955113938 212.120.68.216 (Fri, 07 Apr 2000
15:25:38 MET DST)
Organization: @Home Network
X-MSMail-Priority: Normal
NNTP-Posting-Date: Fri, 07 Apr 2000 15:25:38 MET DST
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.digital,rec.ra
dio.amateur.digital.misc,rec.radio.amateur.dx
```

I have some new 50 Mhz realaudiofiles from AURORA contacts 06-04-2000.

Look on my homepage

http://www.qsl.net/pa5wx

73 Andre

From 4287295542940833668
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7ec935380b2a5f85
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,7ec935380b2a5f85
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,7ec935380b2a5f85
X-Google-Attributes: gidfa656,public
X-Google-Thread: f7653,7ec935380b2a5f85
X-Google-Attributes: gidf7653,public
X-Google-Thread: f84e8,7ec935380b2a5f85
X-Google-Attributes: gidf84e8,public
From: "Andre" <pa5wx@amsat.org>
Subject: New AURORA RealAudioFiles 50 Mhz 6-4-2000
Date: 2000/04/07
Message-ID: <VnlH4.2833$_c.42416@news.rdc1.ov.nl.home.com>#1/1
X-Deja-AN: 607990167
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@home.nl
X-Trace: news.rdc1.ov.nl.home.com 955114101 212.120.68.216 (Fri, 07 Apr 2000 15:28:21 MET DST)
Organization: @Home Network
X-MSMail-Priority: Normal
NNTP-Posting-Date: Fri, 07 Apr 2000 15:28:21 MET DST
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.digital,rec.radio.amateur.digital.misc

I have some new 50 Mhz realaudiofiles from AURORA contacts 06-04-2000.

Look on my homepage

http://www.qsl.net/pa5wx

73 Andre

```
From 1388436381387049814
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fc734,d70238e0879deb4c,start
X-Google-Attributes: gidfc734,public
X-Google-Thread: 10c9e3,d70238e0879deb4c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11480d,d70238e0879deb4c,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,d70238e0879deb4c,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,d70238e0879deb4c,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: f76e2,d70238e0879deb4c,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f7810,d70238e0879deb4c,start
X-Google-Attributes: gidf7810,public
X-Google-Thread: fcc6e,d70238e0879deb4c,start
X-Google-Attributes: gidfcc6e,public
From: "M. Radumilo" <pa4rm@wanadoo.nl>
Subject: klm kt34xa manual
Date: 2000/04/10
Message-ID: <8cs2g1$1fbn$1@buty.wanadoo.nl>#1/1
X-Deja-AN: 609012528
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: The appropriate party according to NNTP-Posting-Host:
X-Trace: buty.wanadoo.nl 955354434 48503 194.134.213.158 (10 Apr 2000 08:13:54
GMT)
Organization: EuroNet Internet
X-MSMail-Priority: Normal
NNTP-Posting-Date: 10 Apr 2000 08:13:54 GMT
Newsgroups: alt.ham-radio.dxing,alt.ham-radio.hf,alt.ham-radio.ssb,rec.ham-
radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.ra
dio.amateur.equipment
```

I need manual for KLM KT-34XA antenne. I will pay all cost for copy and mailing. A drawing with dimensions is also enough.

Please send all information to pa4rm@qsl.net

With kind regards

Miro PA4RM

```
From 7058645560453352006
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 113975,58cace07f72df44b,start
X-Google-Attributes: gid113975,public
X-Google-Thread: 10c9e3,58cace07f72df44b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,58cace07f72df44b,start
X-Google-Attributes: gid105d97,public
From: "Peter Nelson" <plnelson@mediaone.net>
Subject: homebrew magnetometer?
Date: 2000/04/12
Message-ID: <iOTI4.25776$Of2.866175@typhoon.ne.mediaone.net>#1/1
X-Deja-AN: 609969103
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@mediaone.net
X-Trace: typhoon.ne.mediaone.net 955517198 24.147.30.72 (Wed, 12 Apr 2000 01:26:38
EDT)
Organization: Road Runner
X-MSMail-Priority: Normal
NNTP-Posting-Date: Wed, 12 Apr 2000 01:26:38 EDT
Newsgroups: sci.astro.amateur,sci.electronics,rec.ham-radio
```

After the recent aurora it occurs to me that it might be fun to make a magnetometer and come up with my own "k index". My question is this: all the designs for homebrew amateur scientist magnetometers I've seen involve actual magnets, typically suspended from wires or floating in something.

But solar flares are known to induce considerable currents in the power grid - even to the point of blowing out transformers and knocking out power to whole cities. (e.g., Quebec, 03/13/89) This suggests that it ought to be possible to make a simple detection apparatus involving detecting changes in induced current flow in a wire, and thus making something that's purely electronic with no moving parts.

Basically this is a sort of "antenna". Now granted that the power grid is an antenna tuned to a very long wavelength, whereas I had in mind something measured in feet, not hundreds of miles, but then again I'm happy to measure fractions of a microamp; I don't need to detect hundreds of amps.

Does anyone have any thoughts or suggestions for this? Can disturbances in the earth's magnetic field be measured electronically with amateur-level technology?

Thanks in advance!

---peter

From 5541493498233847138
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 113975,58cace07f72df44b
X-Google-Attributes: gid113975,public
X-Google-Thread: 10c9e3,58cace07f72df44b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,58cace07f72df44b
X-Google-Attributes: gid105d97,public
From: andrew <alocky@geol.uwa.edu.au>
Subject: Re: homebrew magnetometer?
Date: 2000/04/12
Message-ID: <38F43E68.543DC85F@geol.uwa.edu.au>#1/1
X-Deja-AN: 610024614
Content-Transfer-Encoding: 7bit
References: <iOTI4.25776$Of2.866175@typhoon.ne.mediaone.net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: usenet@enyo.uwa.edu.au
X-Trace: enyo.uwa.edu.au 955531472 3328 130.95.180.26 (12 Apr 2000 09:24:32 GMT)
Organization: The University of Western Australia
Mime-Version: 1.0
Newsgroups: sci.astro.amateur,sci.electronics,rec.ham-radio

Please forgive cross postings,
What you will measure with your coil of wire is in fact dB/dt. You will need lots of winding and/or a good pre-amplifier. You can apply an Op amp across your coil to integrate and measure a sort of approximate B(magnetic) field. You could even make a proton precession magnetometer as long as you can wind coils and implement a good frequency counter and oscillator. An alternative technology is the fluxgate magnetometer, a bit trickier, but fascinating physics. Depending on your level of keenness you could construct any one of these. Remember that everything was a prototype once!
For more information, consult a geophysics text, eg. Telford Geldart and Sherrif, Applied Geophysics. I know someone who built their own optically pumped magnetometer for a PhD, but don't try that at home!
have fun,
Andrew.
--
Plus je vois l'homme, plus j'aime mon chien - Blaise Pascal

Rev. Andrew Lockwood

Dept of Geology and Geophysics.
University of Western Australia

email-> alocky@geol.uwa.edu.au
phone # -> +61 89 380 2629 (Room 4.59 Physics Building)

Home
email-> alocky@ozemail.com.au
phone# -> +61 89 310 1560

```
From -8163568525350555918
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 113975,58cace07f72df44b
X-Google-Attributes: gid113975,public
X-Google-Thread: 10c9e3,58cace07f72df44b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,58cace07f72df44b
X-Google-Attributes: gid105d97,public
From: Houle.Jean-Marie@xxx.enter-net.com (Jean-Marie Houle)
Subject: Re: homebrew magnetometer?
Date: 2000/04/12
Message-ID: <Houle.Jean-Marie-1204000746190001@galaxy-ppp23.enter-net.com>#1/1
X-Deja-AN: 610065859
References: <iOTI4.25776$Of2.866175@typhoon.ne.mediaone.net>
X-Complaints-To: abuse@enter-net.com
X-Trace: carnaval.risq.qc.ca 955539956 206.167.136.213 (Wed, 12 Apr 2000 07:45:56
EDT)
NNTP-Posting-Date: Wed, 12 Apr 2000 07:45:56 EDT
Newsgroups: sci.astro.amateur,sci.electronics,rec.ham-radio
```

In article <iOTI4.25776$Of2.866175@typhoon.ne.mediaone.net>, "Peter Nelson" <plnelson@mediaone.net> wrote:

>But solar flares are known to induce considerable
>currents in the power grid - even to the point of
>blowing out transformers and knocking out power to
>whole cities. (e.g., Quebec, 03/13/89) This suggests
>that it ought to be possible to make a simple detection
>apparatus involving detecting changes in induced current flow
>in a wire, and thus making something that's purely electronic
>with no moving parts.
>

The current is not that considerable (a few amps). The problem is it is almost DC. It causes the transformers to saturate, causing harmonics. Protective relaying and static power factor compensators cannot take it. And you need hundred of miles of line...

If you need something more practical, look for a flux gate magnetometer. Popular electronics had an article on that many years ago.

```
--
--
Jean-Marie Houle
```

houle.jean-Marie@enter-net.com
450 655 4311

From -774558413039864395
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 113975,58cace07f72df44b
X-Google-Attributes: gid113975,public
X-Google-Thread: 10c9e3,58cace07f72df44b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,58cace07f72df44b
X-Google-Attributes: gid105d97,public
From: "George L. Anderson" <georgea@cae.ca>
Subject: Re: homebrew magnetometer?
Date: 2000/04/12
Message-ID: <38F467A4.6A956FA@cae.ca>#1/1
X-Deja-AN: 610089011
Content-Transfer-Encoding: 7bit
References: <iOTI4.25776$Of2.866175@typhoon.ne.mediaone.net>
<38F43E68.543DC85F@geol.uwa.edu.au>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: usenet@news.cae.ca
X-Trace: dns3.cae.ca 955541421 96 142.39.211.19 (12 Apr 2000 12:10:21 GMT)
Organization: Military Systems, Dept. 28
Mime-Version: 1.0
NNTP-Posting-Date: 12 Apr 2000 12:10:21 GMT
Newsgroups: sci.astro.amateur,sci.electronics,rec.ham-radio

While doing a web search on a new helium magnetometer last year I came across a information on building your own proton magnetometer. If a frequency counter is available the rest of the construction should not be too difficult. The project was aimed at the high school science fair level.
Unfortunately I do not have the URL but if you do a search using dogpile.com on "proton magnetometer" you should get some hits on the site.
A last possibility is that a few years back a company in the UK was making single axis solid state magnetometers, the cost was around 40 pounds (IIRC) at the time. Sensitivity was in the area of five milli-gamma.

George Anderson

andrew wrote:
>
> Please forgive cross postings,
> What you will measure with your coil of wire is in fact dB/dt. You will
> need lots of winding and/or a good pre-amplifier. You can apply an Op
> amp across your coil to integrate and measure a sort of approximate
> B(magnetic) field. You could even make a proton precession magnetometer
> as long as you can wind coils and implement a good frequency counter and

> oscillator. An alternative technology is the fluxgate magnetometer, a
> bit trickier, but fascinating physics. Depending on your level of
> keenness you could construct any one of these. Remember that everything
> was a prototype once!
> For more information, consult a geophysics text, eg. Telford Geldart and
> Sherrif, Applied Geophysics. I know someone who built their own
> optically pumped magnetometer for a PhD, but don't try that at home!
> have fun,
> Andrew.
> --
> Plus je vois l'homme, plus j'aime mon chien - Blaise Pascal
>
> Rev. Andrew Lockwood
>
> Dept of Geology and Geophysics.
> University of Western Australia
> email-> alocky@geol.uwa.edu.au
> phone # -> +61 89 380 2629 (Room 4.59 Physics Building)
>
> Home
> email-> alocky@ozemail.com.au
> phone# -> +61 89 310 1560

From 9184951758008120551
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 113975,58cace07f72df44b
X-Google-Attributes: gid113975,public
X-Google-Thread: 10c9e3,58cace07f72df44b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,58cace07f72df44b
X-Google-Attributes: gid105d97,public
From: johnb@regulusastro.com (John A. Blackwell)
Subject: Re: homebrew magnetometer?
Date: 2000/04/13
Message-ID: <MPG.13603ac3838cbe8e989682@news.mv.com>#1/1
X-Deja-AN: 610919644
References: <iOTI4.25776$Of2.866175@typhoon.ne.mediaone.net>
X-Complaints-To: abuse@mv.com
X-Trace: pyrite.mv.net 955674886 28627 207.22.43.21 (14 Apr 2000 01:14:46 GMT)
Organization: Northwood Ridge Observatory
NNTP-Posting-Date: 14 Apr 2000 01:14:46 GMT
Newsgroups: sci.astro.amateur,sci.electronics,rec.ham-radio

In article <iOTI4.25776$Of2.866175@typhoon.ne.mediaone.net>,
plnelson@mediaone.net says...
> Does anyone have any thoughts or suggestions for this?
> Can disturbances in the earth's magnetic field be measured
> electronically with amateur-level technology?
>
> Thanks in advance!
>

> ---peter
>

Several people in the AAVSO Solar division, including myself,
have built magnetometers for tracing local magnetic field
changes. I have an article with descriptions and drawings
as to how to make one at:
http://www.regulusastro.com/regulus/papers/magnetometer/feature.html

This was made a couple of years ago, and has since been revised. The
AAVSO also has a mail list associated with magnetometers and associated.
I would be happy to help anyone build one...very easy and rewarding.

~johnb
johnb@regulusastro.com

From -9192958211926960625
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8566eb6c061ad814,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115af6,8566eb6c061ad814,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: fddbf,8566eb6c061ad814,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,8566eb6c061ad814,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,8566eb6c061ad814,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc8b1,8566eb6c061ad814,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fb486,8566eb6c061ad814,start
X-Google-Attributes: gidfb486,public
X-Google-Thread: fcc6e,8566eb6c061ad814,start
X-Google-Attributes: gidfcc6e,public
From: "pa5wx" <pa5wx@amsat.org>
Subject: New HamRadio realAudioFiles
Date: 2000/04/15
Message-ID: <_uVJ4.4616$Re3.106690@news.rdc1.ov.nl.home.com>#1/1
X-Deja-AN: 611439386
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@home.nl
X-Trace: news.rdc1.ov.nl.home.com 955786298 212.120.68.216 (Sat, 15 Apr 2000 10:11:38 MET DST)
Organization: @Home Network
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 15 Apr 2000 10:11:38 MET DST
Newsgroups: alt.commercial-hit-radio.must,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors

New Hamradio RealAudioFiles from 6 Metre contacts

Look at my homepage

Http://www.qsl.net/pa5wx

73 Andre PA5WX

From 2824859383308021100
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,63732aa75356397c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f55c2,63732aa75356397c,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fb049,63732aa75356397c,start
X-Google-Attributes: gidfb049,public
From: "Jeroen Jansen" <jeroen@Vossers.tmfweb.nl>
Subject: CB radio, beam
Date: 2000/04/18
Message-ID: <8diqs1$oer$1@azure.nl.gxn.net>#1/1
X-Deja-AN: 612903470
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: abuse@nl.gxn.net
X-Trace: azure.nl.gxn.net 956100289 25051 62.100.9.158 (18 Apr 2000 23:24:49 GMT)
Organization: FreeSurf
X-MSMail-Priority: Normal
NNTP-Posting-Date: 18 Apr 2000 23:24:49 GMT
Newsgroups: alt.ham-radio.mods,alt.ham-radio.vhf-uhf,rec.ham-radio

Can anyone help me find the scematics to make
a 3 elements beam for the 27 Mhz.

Thanx

jeroen@vossers.tmfweb.nl

From -7032258340492931879

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,63732aa75356397c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f55c2,63732aa75356397c
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fb049,63732aa75356397c
X-Google-Attributes: gidfb049,public
From: "Jeroen Jansen" <jeroen@Vossers.tmfweb.nl>
Subject: Re: CB radio, beam
Date: 2000/04/19
Message-ID: <8dl4jm$phc$1@azure.nl.gxn.net>#1/1
X-Deja-AN: 613283455
References: <8diqs1$oer$1@azure.nl.gxn.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: abuse@nl.gxn.net
X-Trace: azure.nl.gxn.net 956175798 26156 62.100.2.234 (19 Apr 2000 20:23:18 GMT)
Organization: FreeSurf
X-MSMail-Priority: Normal
NNTP-Posting-Date: 19 Apr 2000 20:23:18 GMT
Newsgroups: alt.ham-radio.mods,alt.ham-radio.vhf-uhf,rec.ham-radio

Can anyone help me find the scematics to make
a 3 elements beam for the 27 Mhz.

 Thanx

 jeroen@vossers.tmfweb.nl





From -4332022597979844360
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,435e8ec91c5ed37c,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,435e8ec91c5ed37c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f8110,435e8ec91c5ed37c,start
X-Google-Attributes: gidf8110,public
X-Google-Thread: 109013,435e8ec91c5ed37c,start
X-Google-Attributes: gid109013,public
X-Google-Thread: 10ed5f,435e8ec91c5ed37c,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f4306,435e8ec91c5ed37c,start
X-Google-Attributes: gidf4306,public
From: "Jim" <masseur_2000@yahoo.com>
Subject: All ham radio batteries for sale
Date: 2000/04/19
Message-ID: <zZpL4.2135$wA2.111325@den-news1.rmi.net>#1/1
X-Deja-AN: 613324817
X-Priority: 3
```

```
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: news@rmi.net
X-Trace: den-news1.rmi.net 956181471 208.162.253.193 (Wed, 19 Apr 2000 15:57:51
MDT)
Organization: RMI.NET
X-MSMail-Priority: Normal
NNTP-Posting-Date: Wed, 19 Apr 2000 15:57:51 MDT
Newsgroups: alt.ham-radio.marketplace,alt.ham-radio,japan.ham-radio,rec.ham-
radio,alt.ham-radio.nocode,alt.ham-radio.packet
```

Hello,

Thank You for taking the time to read this post. I have a 2mm ham radio (H.T.) , I live in Nebraska and wanted to have a better battery for my radio. I have used W & W Batteries for 3 years and like them so much, I became a dealer for them. Check out my web site to see what I have to offer for ham radio batteries. http://baersbatteryservice.homestead.com

```
From 8388473311545073404
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,435e8ec91c5ed37c
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,435e8ec91c5ed37c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,435e8ec91c5ed37c
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 109013,435e8ec91c5ed37c
X-Google-Attributes: gid109013,public
X-Google-Thread: f8110,435e8ec91c5ed37c
X-Google-Attributes: gidf8110,public
X-Google-Thread: f4306,435e8ec91c5ed37c
X-Google-Attributes: gidf4306,public
From: "Patrick" <patrick@paradise.net.nz>
Subject: Re: All ham radio batteries for sale
Date: 2000/04/20
Message-ID: <956203669.682307@shelley.paradise.net.nz>#1/1
X-Deja-AN: 613433692
Cache-Post-Path: shelley.paradise.net.nz!
unknown@203-96-156-68.tnt6.paradise.net.nz
References: <zZpL4.2135$wA2.111325@den-news1.rmi.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: newsadmin@xtra.co.nz
X-Trace: news.xtra.co.nz 956203685 203.96.152.26 (Thu, 20 Apr 2000 16:08:05 NZST)
Organization: Seaview Secretarial Services
X-MSMail-Priority: Normal
X-Cache: nntpcache 2.4.0b2 (see http://www.nntpcache.org/)
```

NNTP-Posting-Date: Thu, 20 Apr 2000 16:08:05 NZST
Newsgroups: alt.ham-radio.marketplace,alt.ham-radio,japan.ham-radio,rec.ham-radio,alt.ham-radio.nocode,alt.ham-radio.packet

Sounds familiar!

Jim <masseur_2000@yahoo.com> wrote in message
news:zZpL4.2135$wA2.111325@den-news1.rmi.net...
> Hello,
>
> Thank You for taking the time to read this post. I have a 2mm ham radio
> (H.T.) , I live in Nebraska and wanted to have a better battery for my
> radio. I have used W & W Batteries for 3 years and like them so much, I
> became a dealer for them. Check out my web site to see what I have to
offer
> for ham radio batteries. http://baersbatteryservice.homestead.com
>
>
>
>

From -9161732831009153161
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,63732aa75356397c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f55c2,63732aa75356397c
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fb049,63732aa75356397c
X-Google-Attributes: gidfb049,public
From: "Mike Yetsko" <joe@user.com>
Subject: Re: CB radio, beam
Date: 2000/04/20
Message-ID: <K_CL4.48883$y4.1696265@newsread1.prod.itd.earthlink.net>#1/1
X-Deja-AN: 613562560
References: <8diqs1$oer$1@azure.nl.gxn.net>
<xyqL4.6585$qF4.778522@news1.rdc2.tx.home.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread1.prod.itd.earthlink.net 956234794 208.58.169.177 (Thu, 20 Apr 2000 05:46:34 PDT)
Organization: EarthLink Inc. -- http://www.EarthLink.net
X-MSMail-Priority: Normal
NNTP-Posting-Date: Thu, 20 Apr 2000 05:46:34 PDT
Newsgroups: alt.ham-radio.mods,alt.ham-radio.vhf-uhf,rec.ham-radio

There are a number of sites on the web for 10M beams. If
you find one of them, you can always just 'lengthen' the
dimensions by the frequency. Ie, use whatever the

```
dimension is by 29/27 and you'd be very close.

Mike




TW <tandb80@home.com> wrote in message
news:xyqL4.6585$qF4.778522@news1.rdc2.tx.home.com...
> go to rec.radio.cb for that.
> ------------------------------------------------------------------------
------
> ----
> Jeroen Jansen <jeroen@Vossers.tmfweb.nl> wrote in message
> news:8diqs1$oer$1@azure.nl.gxn.net...
> > Can anyone help me find the scematics to make
> > a 3 elements beam for the 27 Mhz.
> >
> > Thanx
> >
> > jeroen@vossers.tmfweb.nl
> >
> >
> >
> >
> >
> >
>
>







From 4051088325587867682
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f4ccfae3e73dbdc3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,f4ccfae3e73dbdc3,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,f4ccfae3e73dbdc3,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 115af6,f4ccfae3e73dbdc3,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 106d41,f4ccfae3e73dbdc3,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 1109af,f4ccfae3e73dbdc3,start
X-Google-Attributes: gid1109af,public
From: "BOB BIEKER" <tubes@hamtubes.com>
Subject: tubes for sale
Date: 2000/04/20
Message-ID: <dBJL4.148$BZ2.120@newsfeed.slurp.net>#1/1
```

X-Deja-AN: 613721312
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Trace: newsfeed.slurp.net 956261833 209.100.93.101 (Thu, 20 Apr 2000 15:17:13 CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Thu, 20 Apr 2000 15:17:13 CDT
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.cb,rec.radio.shortwave,rec.radio.swap

Tubes for sale
New m/p 6js6c & the 12by7 driver 70.00 (35.00 each)
New m/p ge 6jb6a or 6146w & 12by7 or 6cl6 driver 38.00 (19.00 each)
6lq6 35.00 6lf6 40.00 20lf6 40.00 6lr6 25.00 6jg6 25.00 6kd6 32.00
6lb6 20.00 24lq6 18.00 31lq6 15.00 30kd6 20.00 35lr6 18.00 6kv6 35.00
6cl6 5.00 12by7 7.00 6bq5 12.00 6v6gt 10.00 6hs6 7.00
Other amateur radio tubes are avaliable
Used tubes 50% off of new prices (test 70-100% of new)
www.hamtubes.com
tubes@hamtubes.com

From -3868421911109961881
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac95f3b5f08b128e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,ac95f3b5f08b128e,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 10ed5f,ac95f3b5f08b128e,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f55c2,ac95f3b5f08b128e,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fc2a5,ac95f3b5f08b128e,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 11117f,ac95f3b5f08b128e,start
X-Google-Attributes: gid11117f,public
From: "Colin Lowe" <colinlowe@jet.es>
Subject: Sex
Date: 2000/04/24
Message-ID: <8e2dg5$dn$1@lola.ctv.es>#1/1
X-Deja-AN: 615132071
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Complaints-To: usenet@lola.ctv.es
X-Trace: lola.ctv.es 956610885 439 195.55.157.84 (24 Apr 2000 21:14:45 GMT)
Organization: CTV/JET
NNTP-Posting-Date: 24 Apr 2000 21:14:45 GMT
Newsgroups: alt.ham-radio,alt.ham-radio.mods,free.uk.amateur-radio,rec.ham-radio,rec.radio.amateur.homebrew,uk.radio.amateur

http://personales.jet.es/colinlowe/index.htm

```
From 9015587037531634264
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cf1e84e5e9f06b6d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11117f,25bdf59deecfcca9
X-Google-Attributes: gid11117f,public
X-Google-Thread: f55c2,25bdf59deecfcca9
X-Google-Attributes: gidf55c2,public
X-Google-Thread: f64c6,25bdf59deecfcca9
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fc2a5,25bdf59deecfcca9
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 10ed5f,cf1e84e5e9f06b6d,start
X-Google-Attributes: gid10ed5f,public
From: "Colin Lowe" <colinlowe@jet.es>
Subject: Mods
Date: 2000/04/24
Message-ID: <8e2d9u$9g$1@lola.ctv.es>#1/1
X-Deja-AN: 615132089
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Complaints-To: usenet@lola.ctv.es
X-Trace: lola.ctv.es 956610686 304 195.55.157.84 (24 Apr 2000 21:11:26 GMT)
Organization: CTV/JET
NNTP-Posting-Date: 24 Apr 2000 21:11:26 GMT
Newsgroups: alt.ham-radio,alt.ham-radio.mods,free.uk.amateur-radio,rec.ham-radio,rec.radio.amateur.homebrew,uk.radio.amateur
```

http://personales.jet.es/colinlowe/index.htm

```
From -2903169280432688728
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cf1e84e5e9f06b6d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,cf1e84e5e9f06b6d
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f64c6,25bdf59deecfcca9
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 11117f,25bdf59deecfcca9
X-Google-Attributes: gid11117f,public
X-Google-Thread: f55c2,25bdf59deecfcca9
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fc2a5,25bdf59deecfcca9
```

```
X-Google-Attributes: gidfc2a5,public
From: "You are a wanker" <wally@wally.com>
Subject: Re: Mods
Date: 2000/04/25
Message-ID: <ifeN4.8235$E4.16421@newsfeeds.bigpond.com>#1/1
X-Deja-AN: 615408049
References: <8e2d9u$9g$1@lola.ctv.es>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeeds.bigpond.com 956657742 139.134.126.224 (Tue, 25 Apr 2000
20:15:42 EST)
Organization: Telstra BigPond Internet Services (http://www.bigpond.com)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Tue, 25 Apr 2000 20:15:42 EST
Newsgroups: alt.ham-radio,alt.ham-radio.mods,free.uk.amateur-radio,rec.ham-
radio,rec.radio.amateur.homebrew,uk.radio.amateur

Look you have already posted this same damn URL at least 8 times in one day
under heaps of different headings.  Piss off spammer.  i am not even going
to bother looking at your most likely shithouse site.




Colin Lowe <colinlowe@jet.es> wrote in message
news:8e2d9u$9g$1@lola.ctv.es...
> http://personales.jet.es/colinlowe/index.htm
>
>
>






From 5621743716538190377
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6fb4c851962e3fb8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6fb4c851962e3fb8,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 106d41,6fb4c851962e3fb8,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 115af6,6fb4c851962e3fb8,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 1109af,6fb4c851962e3fb8,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,6fb4c851962e3fb8,start
X-Google-Attributes: gidf76e2,public
From: "BOB BIEKER" <tubes@hamtubes.com>
Subject: tubes for sale
Date: 2000/04/26
Message-ID: <j4KN4.1182$Oa7.6651@newsfeed.slurp.net>#1/1
```

```
X-Deja-AN: 616101705
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Trace: newsfeed.slurp.net 956788111 209.100.92.146 (Wed, 26 Apr 2000 17:28:31 CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Wed, 26 Apr 2000 17:28:31 CDT
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.cb,rec.radio.shortwave,rec.radio.swap


BOB BIEKER <tubes@hamtubes.com> wrote in message news:...
> Tubes for sale
> New m/p 6js6c & the 12by7 driver 70.00 (35.00 each)
> New  m/p ge 6jb6a or 6146w & 12by7 or 6cl6 driver 38.00 (19.00 each)
> 6lq6 35.00  6lf6 40.00  20lf6 40.00  6lr6 25.00  6jg6 25.00  6kd6 32.00
> 6lb6 20.00 24lq6 18.00 31lq6 15.00 30kd6 20.00 35lr6 18.00 6kv6 35.00
> 6cl6 5.00  12by7 7.00  6bq5 12.00  6v6gt 10.00  6hs6 7.00
> Other amateur radio tubes are avaliable
> Used tubes 50% off of new prices (test 70-100% of new)
> www.hamtubes.com
> tubes@hamtubes.com
>
>
>
```

```
From 7829442240973202638
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9ac9476b393c4802,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9ac9476b393c4802,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,9ac9476b393c4802,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,9ac9476b393c4802,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,9ac9476b393c4802,start
X-Google-Attributes: gidf76e2,public
From: "James R Goode II" <kc5hos@bellsouth.net>
Subject: FS: Kenwood 22AT
Date: 2000/04/28
Message-ID: <5mnO4.14338$fV1.101170@news1.atl>#1/1
X-Deja-AN: 616948727
X-Trace: news1.atl 956957185 216.76.137.36 (Fri, 28 Apr 2000 17:26:25 EDT)
NNTP-Posting-Date: Fri, 28 Apr 2000 17:26:25 EDT
Newsgroups: rec.ham-radio.swap,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
```

I have a Kenwood 22AT for sale. I have all the boxes for the radio/charger. The Extended TX/RX mods have been done and radio has the 5 watt battery on it. The price is 180.00 plus shipping. I need to sell ASAP.... baby on the way and wife has lost her job.
73's
KC5HOS
James

From 5675282854480645011
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,d6f56207f9499e9b,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,d6f56207f9499e9b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 155235,d6f56207f9499e9b,start
X-Google-Attributes: gid155235,public
X-Google-Thread: 114a57,d6f56207f9499e9b,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: fc8b1,d6f56207f9499e9b,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fc2a5,d6f56207f9499e9b,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f76e2,d6f56207f9499e9b,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 108122,d6f56207f9499e9b,start
X-Google-Attributes: gid108122,public
From: "Beverly Kelly" <blkelly@jps.net>
Subject: National NCL 2000 amp parts
Date: 2000/04/29
Message-ID: <390b33d2$1_1@news.greatbasin.net>#1/1
X-Deja-AN: 617260534
X-Trace: 29 Apr 2000 12:11:14 -0700, rno-max8-48.gbis.net
X-MSMail-Priority: Normal
X-Priority: 3
Newsgroups: alt.ham-radio.hf,alt.ham-radio.marketplace,news.groups.radio.amateur.equipment,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.homebrew
X-Mimeole: Produced By Microsoft MimeOLE V5.00.2314.1300

I am looking for dead NCL 2000 amps and parts, especially a cabinet, to finish my amp project.

KD6UW

Reply to hflores@zdnetonebox.com with description and price.

From -5271960940590511332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,7ae28456ef771d2a,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,7ae28456ef771d2a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7ae28456ef771d2a,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,7ae28456ef771d2a,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,7ae28456ef771d2a,start
X-Google-Attributes: gid108778,public
X-Google-Thread: fc8b1,7ae28456ef771d2a,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa656,7ae28456ef771d2a,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,7ae28456ef771d2a,start
X-Google-Attributes: gid107ada,public
From: "Martyn" <hood@icsi.net>
Subject: FS: Shure 444D A1
Date: 2000/04/29
Message-ID: <v1HO4.485$l41.49084@news.intnet.net>#1/1
X-Deja-AN: 617270479
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 957037787 208.21.228.165 (Sat, 29 Apr 2000 15:49:47 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 29 Apr 2000 15:49:47 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc

I hope my listing here does not offend.
I have this mic for sale on e-bay
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=320813442

From 4035021777943305315
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,cca0109ec37ae148,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,cca0109ec37ae148,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,cca0109ec37ae148,start
X-Google-Attributes: gid108122,public

```
X-Google-Thread: fc8b1,cca0109ec37ae148,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa656,cca0109ec37ae148,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,cca0109ec37ae148,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,cca0109ec37ae148,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,cca0109ec37ae148,start
X-Google-Attributes: gid107ada,public
From: "Martyn" <hood@icsi.net>
Subject: FA Mint Drake FS-4
Date: 2000/05/01
Message-ID: <RKpP4.496$l41.50436@news.intnet.net>#1/1
X-Deja-AN: 618074280
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 957229105 208.21.228.203 (Mon, 01 May 2000 20:58:25 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Mon, 01 May 2000 20:58:25 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,
rec.radio.amateur.misc,rec.radio.shortwave
```

Available on e-Bay

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=322606962

```
From -9164846954036467666
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,b15108b5b52a9b68,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,b15108b5b52a9b68,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,b15108b5b52a9b68,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,b15108b5b52a9b68,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108778,b15108b5b52a9b68,start
X-Google-Attributes: gid108778,public
X-Google-Thread: fc8b1,b15108b5b52a9b68,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 108122,b15108b5b52a9b68,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,b15108b5b52a9b68,start
X-Google-Attributes: gidfa656,public
From: "Martyn" <hood@icsi.net>
```

```
Subject: FA Drake 2-C
Date: 2000/05/01
Message-ID: <1OpP4.498$l41.50409@news.intnet.net>#1/1
X-Deja-AN: 618075232
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 957229309 208.21.228.203 (Mon, 01 May 2000 21:01:49 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Mon, 01 May 2000 21:01:49 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,
rec.radio.amateur.misc,rec.radio.shortwave

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=322616436
Mint    No corrosion





From -2640324095782268808
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,b242723e9317aaf4,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,b242723e9317aaf4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b242723e9317aaf4,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,b242723e9317aaf4,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 107ada,b242723e9317aaf4,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,b242723e9317aaf4,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc8b1,b242723e9317aaf4,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 10ed5f,b242723e9317aaf4,start
X-Google-Attributes: gid10ed5f,public
From: "Martyn" <hood@icsi.net>
Subject: FA Collins 75S-1 (WE) mint
Date: 2000/05/01
Message-ID: <oPpP4.499$l41.50431@news.intnet.net>#1/1
X-Deja-AN: 618075636
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 957229396 208.21.228.203 (Mon, 01 May 2000 21:03:16 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Mon, 01 May 2000 21:03:16 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
```

```
radio,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,
rec.radio.amateur.misc,rec.radio.shortwave

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=322621198

Like new





From 2272453480332164712
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,316b28f7c9e76495,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,316b28f7c9e76495,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,316b28f7c9e76495,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1009ad,316b28f7c9e76495,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 107ada,316b28f7c9e76495,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,316b28f7c9e76495,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,316b28f7c9e76495,start
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,316b28f7c9e76495,start
X-Google-Attributes: gidfa656,public
From: "Martyn" <hood@icsi.net>
Subject: FA PCR-1000 UNBLOCKED
Date: 2000/05/01
Message-ID: <XQpP4.500$l41.50442@news.intnet.net>#1/1
X-Deja-AN: 618076079
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 957229495 208.21.228.203 (Mon, 01 May 2000 21:04:55 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Mon, 01 May 2000 21:04:55 EDT
Newsgroups: alt.ham-radio,alt.ham-
radio.marketplace,alt.radio.amateur,alt.radio.scanner,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.rad
io.shortwave

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=322626386

Unused and new
```

```
From -8930594715168613265
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,57f612de385525be,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,57f612de385525be,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,57f612de385525be,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,57f612de385525be,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc8b1,57f612de385525be,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 108778,57f612de385525be,start
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,57f612de385525be,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,57f612de385525be,start
X-Google-Attributes: gid10ed5f,public
From: "Martyn" <hood@icsi.net>
Subject: FA Collins 51J-4
Date: 2000/05/01
Message-ID: <%RpP4.501$l41.50409@news.intnet.net>#1/1
X-Deja-AN: 618076520
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 957229563 208.21.228.203 (Mon, 01 May 2000 21:06:03 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Mon, 01 May 2000 21:06:03 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.shortwave
```

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=322643717

```
From 7324324601488667022
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,3519cba9ebd02dc6,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,3519cba9ebd02dc6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,3519cba9ebd02dc6,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,3519cba9ebd02dc6,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 107ada,3519cba9ebd02dc6,start
X-Google-Attributes: gid107ada,public
```

```
X-Google-Thread: 10ed5f,3519cba9ebd02dc6,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,3519cba9ebd02dc6,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,3519cba9ebd02dc6,start
X-Google-Attributes: gid108778,public
From: "Martyn" <hood@icsi.net>
Subject: FA Collins CP-1
Date: 2000/05/01
Message-ID: <eTpP4.502$l41.50367@news.intnet.net>#1/1
X-Deja-AN: 618076998
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 957229642 208.21.228.203 (Mon, 01 May 2000 21:07:22 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Mon, 01 May 2000 21:07:22 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,
rec.radio.amateur.misc
```

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=322647360

```
From 5469450616977147108
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,250dd39e571fbed4,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,250dd39e571fbed4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,250dd39e571fbed4,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,250dd39e571fbed4,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc8b1,250dd39e571fbed4,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 10ed5f,250dd39e571fbed4,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,250dd39e571fbed4,start
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,250dd39e571fbed4,start
X-Google-Attributes: gidfa656,public
From: "Martyn" <hood@icsi.net>
Subject: FA Drake AC-4 Mint
Date: 2000/05/01
Message-ID: <oUpP4.503$l41.50106@news.intnet.net>#1/1
X-Deja-AN: 618077257
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
```

```
X-Complaints-To: abuse@intnet.net
X-Trace: news.intnet.net 957229716 208.21.228.203 (Mon, 01 May 2000 21:08:36 EDT)
Organization: Intelligence Network Online, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Mon, 01 May 2000 21:08:36 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,
rec.radio.amateur.misc
```

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=322650255

```
From -4416593954003839329
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,b15108b5b52a9b68
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,b15108b5b52a9b68
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b15108b5b52a9b68
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,b15108b5b52a9b68
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,b15108b5b52a9b68
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fc8b1,b15108b5b52a9b68
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 107ada,b15108b5b52a9b68
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108778,b15108b5b52a9b68
X-Google-Attributes: gid108778,public
From: Praetorian <NOSPAMtordarroch@yahoo.com>
Subject: Re: FA Drake 2-C
Date: 2000/05/02
Message-ID: <390F14E9.2D8E@yahoo.com>#1/1
X-Deja-AN: 618281592
Content-Transfer-Encoding: 7bit
References: <1OpP4.498$l41.50409@news.intnet.net>
Organization: InfiNet
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,
rec.radio.amateur.misc,rec.radio.shortwave
```

Just my own opinion .. I have decided that I don't like EBAY sales.

I would much rather come to some agreement instantly with some other post which sells an object ... and to find out immediately whether or not I will get the object. Waiting out several days to find out whether or not I win a bid does not get me the coveted object usually.

To my experience, most EBAY bids wildly exceed the worth of the object.
OK for the seller, I guess, and for those who simply MUST have it at
any price.

From -3078373305653870933
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6fb4c851962e3fb8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6fb4c851962e3fb8
X-Google-Attributes: gid114aac,public
X-Google-Thread: 115af6,6fb4c851962e3fb8
X-Google-Attributes: gid115af6,public
X-Google-Thread: f76e2,6fb4c851962e3fb8
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 106d41,6fb4c851962e3fb8
X-Google-Attributes: gid106d41,public
X-Google-Thread: 1109af,6fb4c851962e3fb8
X-Google-Attributes: gid1109af,public
From: "BOB BIEKER" <tubes@hamtubes.com>
Subject: tubes for sale
Date: 2000/05/02
Message-ID: <MOJP4.317$9o5.1334@newsfeed.slurp.net>#1/1
X-Deja-AN: 618485572
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Trace: newsfeed.slurp.net 957311276 209.100.93.84 (Tue, 02 May 2000 18:47:56 CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Tue, 02 May 2000 18:47:56 CDT
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.cb,rec.radio.shortwave,rec.radio.swap

BOB BIEKER <tubes@hamtubes.com> wrote in message news:...
> Tubes for sale
> New m/p 6js6c & the 12by7 driver 70.00 (35.00 each)
> New m/p ge 6jb6a or 6146w & 12by7 or 6cl6 driver 38.00 (19.00 each)
> 6lq6 35.00 6lf6 40.00 20lf6 40.00 6lr6 25.00 6jg6 25.00 6kd6 32.00
> 6lb6 20.00 24lq6 18.00 31lq6 15.00 30kd6 20.00 35lr6 18.00 6kv6 35.00
> 6cl6 5.00 12by7 7.00 6bq5 12.00 6v6gt 10.00 6hs6 7.00
> Other amateur radio tubes are avaliable
> Used tubes 50% off of new prices (test 70-100% of new)
> www.hamtubes.com
> tubes@hamtubes.com
>
>
>

From 1130953705677235528
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c985e57929ddd9ad,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,c985e57929ddd9ad,start
X-Google-Attributes: gidfb049,public
From: "richard d'avy" <rdavy@delrio.com>
Subject: Help with antenna mast
Date: 2000/05/03
Message-ID: <dhXP4.909$9o5.2795@newsfeed.slurp.net>#1/1
X-Deja-AN: 618718521
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 957366473 208.246.52.187 (Wed, 03 May 2000 10:07:53 CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Wed, 03 May 2000 10:07:53 CDT
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio

I have read that the lower (further from the top) that you mount a rotor in a tower the better for the rotor. I have a forty ft Rohn 25G, and am interested in mounting my rotor as close to ground level as practical (one less reason to climb also). Any suggestions or ideas would be immensely appreciated.

Richard

From 8015236374887316856
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fd8a94ab560267b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,2fd8a94ab560267b,start
X-Google-Attributes: gidfb049,public
From: "richard d'avy" <rdavy@delrio.com>
Subject: Help with thrust bearing
Date: 2000/05/03
Message-ID: <ylXP4.915$9o5.3786@newsfeed.slurp.net>#1/1
X-Deja-AN: 618720191
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 957366750 208.246.52.187 (Wed, 03 May 2000 10:12:30 CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Wed, 03 May 2000 10:12:30 CDT
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio

I have installed as Rohn 25G with a 25AG top section. Is there any way to use a thrust bearing with this type of setup? Any ideas / suggestions appreciated.

Richard

From -6378815293746608728
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,b15108b5b52a9b68
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,b15108b5b52a9b68
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b15108b5b52a9b68
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,b15108b5b52a9b68
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fc8b1,b15108b5b52a9b68
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 108778,b15108b5b52a9b68
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,b15108b5b52a9b68
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,b15108b5b52a9b68
X-Google-Attributes: gid107ada,public
From: Casey Bahr <caseyNOSPAM@foreign-interests.com>
Subject: Re: FA Drake 2-C
Date: 2000/05/03
Message-ID: <39105700.E715B1F1@foreign-interests.com>#1/1
X-Deja-AN: 618758471
Content-Transfer-Encoding: 7bit
References: <1OpP4.498$l41.50409@news.intnet.net> <390F14E9.2D8E@yahoo.com>
X-Accept-Language: en,pdf
Content-Type: text/plain; charset=us-ascii
Organization: Intel Corporation
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.shortwave

Praetorian,

I see this complaint all the time about eBay. There is a very simple solution to your gripe: Just look at items that are about to expire. If you don't like the bid price at that point pass, else make a bid and in a short time, maybe even minutes you'll know if you won. Actually a faster response time than contacting most NG sellers. Also, eBay has a better search facility.

73,

Casey

Praetorian wrote:

> Just my own opinion .. I have decided that I don't like EBAY sales.
>
> I would much rather come to some agreement instantly with some other
> post which sells an object ... and to find out immediately whether or
> not I will get the object. Waiting out several days to find out
> whether or not I win a bid does not get me the coveted object usually.
> To my experience, most EBAY bids wildly exceed the worth of the object.
> OK for the seller, I guess, and for those who simply MUST have it at
> any price.

--
Remove CAPS in address to reply.

```
From 2684999475039099821
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/26
Message-ID: <86no0c$u6c$1@nnrp1.deja.com>#1/1
X-Deja-AN: 577970367
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388ce84b.2114786@news.thegrid.net> <388F1370.B8E0F621@home.net>
<388f19a0.24040413@news.thegrid.net>
X-Http-Proxy: 1.0 PORT-PROXY, 1.0 x38.deja.com:80 (Squid/1.1.22) for client
216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Wed Jan 26 21:12:48 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)
```

Sorry but my response was simply a rephrase of your own. it was
entirely relevant, not stupid at all, and it seems to me that the only
one throwing a temper tantrum is *you*.

If you cannot take it don't dish it out.

```
In article <388f19a0.24040413@news.thegrid.net>,
  cobrano-spam@budweiser.com (kf6foz) wrote:
> You complain, yet you tell me to sell my equipment? I gave a solution
> to those who continually cry and whine about the recent events and I
> take it that I hurt your feelings. Not once did I complain in this
> post, and you say that! I guess you will just have to keep
> entertaining us with your stupid, irrelivant post which are pertaining
> to the past. Its over, Why continue to have a temper tantrum about it.
>
> On Wed, 26 Jan 2000 15:31:47 GMT, Neal Feldman <silverstorm@home.net>
> wrote:
>
> >So sell your computer equipment so you do not have to read my
exercise of my
> >first amendment rights, ok?
> >
> >
> >kf6foz wrote:
> >
> >> Sell your equipment so you dont have to hear the BS! Simple
solution
> >> to you ongoing agony!!!
> >>
> >> On Mon, 24 Jan 2000 17:31:27 GMT, thanatos999@my-deja.com wrote:
> >>
> >> >Before the
> >> >               Federal Communications Commission
> >> >                     Washington, D.C. 20554
> >> >
> >> >
> >> >In the Matter of                   )         WT Docket No. 98-143
> >> >                              )
> >> >1998 Biennial Regulatory Review --           )         RM-9148
> >> >Amendment of Part 97 of the Commission's     )         RM-9150
> >> >Amateur Service Rules.             )         RM-9196
> >> >                              )
> >> >
> >> >If anyone has read this the LCD (non)thinkers get their way again.
> >> >
> >> >First it was the 'no-code' license... "That will be enough" they
said.
> >> >I knew that was BS... and history has proven me right.
> >> >
> >> >The it was the much abused 'disability waiver' which I said long
ago
> >> >would cause rampant fraud and undermine the amateur radio
service... few
> >> >believed me and even though I am disabled I was attacked as
someone who
> >> >bashed those with disabilities.
> >> >
> >> >Again, history proved me 100% correct.
```

> >> >
> >> >Now we have the near final CB-ization of Amateur Radio...
> >> >
> >> >a 5 wpm requirement for Amateur Extra with written exams where the
> >> >questions and answers are publicly available and easily 90% of
those
> >> >passing the 'exams' (memory tests is more like what they are) will
not
> >> >have any clue as to the actual workings of the theories they are
being
> >> >'tested' on.
> >> >
> >> >At least the CW tests, while maybe not the most technically
proficient,
> >> >at least could not be fudged in this manner. You had to actually
be
> >> >COMPETENT in cw to pass the 20 wpm test.
> >> >
> >> >Well, that simply reduces the quality even further, and
unfortunately I
> >> >fear that before the end of the next sunspot cycle Amateur Radio
as we
> >> >know it will cease to exist, being replaced with something akin to
the
> >> >sludge pot that is 11 meters.
> >> >
> >> >The whiners who only are interested in the easy route for
themselves and
> >> >the profiteers who only have dollar signs in their eyes seeking to
seel
> >> >ever more radios win, and the hobby loses... again.
> >> >
> >> >Dammit, sometimes I really hate being right.
> >> >
> >> >And I really likes Amateur Radio... I fear I will not be able to
say the
> >> >same soon.
> >> >
> >> >de WR7E
> >> >
> >> >
> >> >Sent via Deja.com http://www.deja.com/
> >> >Before you buy.
> >>
> >> http://www.qsl.net/kf6foz/
> >
> >--
> >===
> >Home Page: http://members.home.net/silverstorm/
> >
> >We will never rest until Gestapo CPS is completely abolished!
> >
> >

>
> http://www.qsl.net/kf6foz/
>

Sent via Deja.com http://www.deja.com/
Before you buy.

From 2049757460843062890
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: "J. Kay" <jonk@atlantic.net>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/26
Message-ID: <388FC400.6EEA26CD@atlantic.net>#1/1
X-Deja-AN: 578161518
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: news1.atlantic.net 948946390 209.208.17.171 (Wed, 26 Jan 2000 23:13:10 EST)
MIME-Version: 1.0
NNTP-Posting-Date: Wed, 26 Jan 2000 23:13:10 EST
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

Can you please explain to me again how passing a cw test of 20wpm will, prevent someone from, in your words, "have a clue as to the actual workings of the thories they are being tested on". I know plently of people that can do cw (20wpm or better), yet cannot change a lightbulb. I agree, keep the cw requirement high, in fact, let's raise the standards to say 35 - 50 wpm. Then the question will be, do you still qualify for this exclusive fraternity you call "extra"? EXTRA what? I think technical knowledge is much more important than code speed, hands down.
Jon KG4DIR

From 1227705278551583697
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public

X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: "Mark Flanagan" <markf@cshore.com>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/27
Message-ID: <s8vnaq8b7q516@corp.supernews.com>#1/1
X-Deja-AN: 578195073
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<s8q6ss7aeh6105@corp.supernews.com> <388d2c21.3508841@news.thegrid.net>
<388F13F4.8840AC41@home.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: newsabuse@supernews.com
Organization: Posted via Supernews, http://www.supernews.com
X-MSMail-Priority: Normal
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

I don't care.

Point is that everyone says, "I remember when...   ...it was better then."
Get over it, the times they are a changing.

K1MKF

Neal Feldman <silverstorm@home.net> wrote in message
news:388F13F4.8840AC41@home.net...
>
>
> kf6foz wrote:
>
> > On Mon, 24 Jan 2000 22:39:30 -0500, "Mark Flanagan" <markf@cshore.com>
> > wrote:
> >
> > >>
> > >> Dammit, sometimes I really hate being right.
> > >>
> > >> And I really likes Amateur Radio... I fear I will not be able to say
the
> > >> same soon.
> > >>
> > >> de WR7E
> > >
> > >
> > >Then quit, sell your stuff cheap and get out! I'm sure you won't be
missed
> > >long.
> > >
> > >Mark, K1MKF

```
> > >
> > >
> > Heh! I had to pick myself up off the floor after that comment!!
> > I wont miss him..
> >
> > 73 kf6foz
> > http://www.qsl.net/kf6foz/
>
> And I would not miss you.  There.. we're even... as if that matters worth
a
> tinker's damn.
>
> Just gotta love these fools... Amateur Radio is being destroyed... anyone
who
> speaks the truth about it is just told to take a hike.  Really puts the
> attitudes and agenda of those telling such into perspective quite nicely.
>
>
>
> --
> =============================================================
> Home Page: http://members.home.net/silverstorm/
>
> We will never rest until Gestapo CPS is completely abolished!
>
>
```

```
From -7340320275185267821
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: "Mark Flanagan" <markf@cshore.com>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/27
Message-ID: <s8vnin1i7q580@corp.supernews.com>#1/1
X-Deja-AN: 578195075
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<s8q6ss7aeh6105@corp.supernews.com> <388F1389.B83BA239@home.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: newsabuse@supernews.com
Organization: Posted via Supernews, http://www.supernews.com
X-MSMail-Priority: Normal
```

Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

Why do you continue to attempt to value yourself greater than your peers
based on what? 1) The fact you passed a test under the old rules. 2) How
much lomger you will be missed. What's next? My daddy can beat up your
daddy or my bike bike is newer than yours? Get over it. Either adapt to
the changes and accept them, keep bitching until everyone tunes you out or
just walk away.

Mark, K1MKF

Neal Feldman <silverstorm@home.net> wrote in message
news:388F1389.B83BA239@home.net...
> Likely far longer than you would.
>
> Mark Flanagan wrote:
>
> > >
> > > Dammit, sometimes I really hate being right.
> > >
> > > And I really likes Amateur Radio... I fear I will not be able to say
the
> > > same soon.
> > >
> > > de WR7E
> >
> > Then quit, sell your stuff cheap and get out! I'm sure you won't be
missed
> > long.
> >
> > Mark, K1MKF
>
> --
> ==
> Home Page: http://members.home.net/silverstorm/
>
> We will never rest until Gestapo CPS is completely abolished!
>
>

From 5172506707773235101
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public

X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/27
Message-ID: <86ql6d$2do$1@nnrp1.deja.com>#1/1
X-Deja-AN: 578473289
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<s8q6ss7aeh6105@corp.supernews.com> <388d2c21.3508841@news.thegrid.net>
<388F13F4.8840AC41@home.net> <s8vnaq8b7q516@corp.supernews.com>
X-Http-Proxy: 1.0 PORT-PROXY, 1.0 x22.deja.com:80 (Squid/1.1.22) for client
216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Thu Jan 27 23:43:11 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

In article <s8vnaq8b7q516@corp.supernews.com>,
  "Mark Flanagan" <markf@cshore.com> wrote:
> I don't care.

Obviously.

> Point is that everyone says, "I remember when...   ...it was better
> then."

Irrelevant

> Get over it, the times they are a changing.
>
> K1MKF

Only idiotic fools embrace change just because it is change.

> Neal Feldman <silverstorm@home.net> wrote in message
> news:388F13F4.8840AC41@home.net...
> >
> >
> > kf6foz wrote:
> >
> > > On Mon, 24 Jan 2000 22:39:30 -0500, "Mark Flanagan"
<markf@cshore.com>
> > > wrote:
> > >
> > > >>
> > > >> Dammit, sometimes I really hate being right.
> > > >>
> > > >> And I really likes Amateur Radio... I fear I will not be able
to say
> the
> > > >> same soon.

```
> > > >>
> > > >> de WR7E
> > > >
> > > >
> > > >Then quit, sell your stuff cheap and get out!  I'm sure you won't
be
> missed
> > > >long.
> > > >
> > > >Mark, K1MKF
> > > >
> > > >
> > > Heh! I had to pick myself up off the floor after that comment!!
> > > I wont miss him..
> > >
> > > 73 kf6foz
> > > http://www.qsl.net/kf6foz/
> >
> > And I would not miss you.  There.. we're even... as if that matters
worth
> a
> > tinker's damn.
> >
> > Just gotta love these fools... Amateur Radio is being destroyed...
anyone
> who
> > speaks the truth about it is just told to take a hike.  Really puts
the
> > attitudes and agenda of those telling such into perspective quite
nicely.
> >
> >
> >
> > --
> > ===============================================================
> > Home Page: http://members.home.net/silverstorm/
> >
> > We will never rest until Gestapo CPS is completely abolished!
> >
> >
>
>


Sent via Deja.com http://www.deja.com/
Before you buy.



From 1583416961031184160
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
```

X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/27
Message-ID: <86qlnq$2qf$1@nnrp1.deja.com>#1/1
X-Deja-AN: 578476274
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com> <388FC400.6EEA26CD@atlantic.net>
X-Http-Proxy: 1.0 PORT-PROXY, 1.0 x23.deja.com:80 (Squid/1.1.22) for client 216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Thu Jan 27 23:52:28 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

In article <388FC400.6EEA26CD@atlantic.net>,
"J. Kay" <jonk@atlantic.net> wrote:
> Can you please explain to me again how passing a cw test of 20wpm will,
> prevent someone from, in your words, "have a clue as to the actual workings
> of the thories they are being tested on".

The point is that you cannot just cram for the 20 wpm exam in a couple nights and pass it... you have to actually acquire the skill to receive cw to pass that exam.

You need no skill or real knowledge to pass any of the written 'tests', since the questions and answers are already public knowledge for months in advance.

What would you think of the calibre of a college education where all the exams at the school were done as the written tests for ham licenses are?

> I know plently of people that can
> do cw (20wpm or better), yet cannot change a lightbulb.

Irrelevant.

> I agree, keep the
> cw requirement high, in fact, let's raise the standards to say 35 - 50
> wpm.

Again at this point you would be proposing a change. As such you would have to demonstrate the reason for such

> Then the question will be, do you still qualify for this exclusive
> fraternity you call "extra"? EXTRA what? I think technical knowledge
is
> much more important than code speed, hands down.
> Jon KG4DIR

Where do you figure it is exclusionary? And do you not notice there is
also an additional TECHNICAL knowledge requirement allegedly for Extra
as well?

Sent via Deja.com http://www.deja.com/
Before you buy.

From -2665102025959627927
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,2e60d6531c1b29fe,start
X-Google-Attributes: gid108228,public
X-Google-Thread: fc734,2e60d6531c1b29fe,start
X-Google-Attributes: gidfc734,public
X-Google-Thread: 10c9e3,2e60d6531c1b29fe,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,2e60d6531c1b29fe,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,2e60d6531c1b29fe,start
X-Google-Attributes: gidf76e2,public
From: "Jagzilla" <here@now.gone>
Subject: FT 840 and equip for sale
Date: 2000/01/27
Message-ID: <QW3k4.71$_w4.261893@news.bctel.net>#1/1
X-Deja-AN: 578511971
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: news@bctel.net
X-Trace: news.bctel.net 949013296 216.232.112.21 (Thu, 27 Jan 2000 14:48:16 PDT)
X-MSMail-Priority: Normal
Reply-To: "Jagzilla" <here@now.gone>
NNTP-Posting-Date: Thu, 27 Jan 2000 14:48:16 PDT
Newsgroups: alt.ham-radio.marketplace,alt.ham-radio.ssb,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment

Following items for sale. My location British Columbia, Canada. You pay
shipping costs. Please remove the "1" from my email address to respond.
Thank you.
Steve VE7 TTB
jagzilla@telus1.net

MFJ 984B dsp filter $170.00us/$265.00cdn
MFJ 945D mobile antenna tuner $70.00us/$105.00cdn
Yaesu FL2100F amplifier w/low use Cetron tubes (very nice condition)

```
$420.00us/$625.00cdn
Yaesu FT840 HF transceiver (original owner, perfect cond)
                                              $520.00us/$775.00 cdn








From -7268364122031556000
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/27
Message-ID: <3890DB5A.CCCE393F@IEEE.org>#1/1
X-Deja-AN: 578539572
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<s8q6ss7aeh6105@corp.supernews.com> <388d2c21.3508841@news.thegrid.net>
<388F13F4.8840AC41@home.net> <s8vnaq8b7q516@corp.supernews.com>
<86ql6d$2do$1@nnrp1.deja.com>
Organization: MindSpring Enterprises
X-Server-Date: 28 Jan 2000 00:02:03 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

thanatos999@my-deja.com wrote:
> Only idiotic fools embrace change just because it is change.

And only idiotic fools refuse to change for the better.
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca



From -7884136505390575708
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
```

```
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/27
Message-ID: <3890DC27.840C7ECF@IEEE.org>#1/1
X-Deja-AN: 578539573
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
Organization: MindSpring Enterprises
X-Server-Date: 28 Jan 2000 00:05:27 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
```

thanatos999@my-deja.com wrote:
> The point is that you cannot just cram for the 20 wpm exam in a couple
> nights and pass it... you have to actually acquire the skill to receive
> cw to pass that exam.

Yep, you have to rote-memorize like crazy. Why is it OK to rote-memorize
Morse code and not OK to rote-memorize the written exams. Inquiring
minds want to know.
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

```
From -7258925974064554573
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/27
Message-ID: <3890DE91.167D690D@IEEE.org>#1/1
X-Deja-AN: 578547882
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<s8q6ss7aeh6105@corp.supernews.com> <388F1389.B83BA239@home.net>
<s8vnin1i7q580@corp.supernews.com> <86qm93$323$1@nnrp1.deja.com>
Organization: MindSpring Enterprises
```

X-Server-Date: 28 Jan 2000 00:15:46 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

thanatos999@my-deja.com wrote:
>
> Ummmm, Mark... what would make you say such a clearly disproven thing?
> After all, all the unacceptable changes came about by whiners such as
> you (or at least those you appear to be supporting).

Really? I didn't realize that Mark is on the Federal Communications
Commission. He sure took us all to the cleaners, didn't he?
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From -7938297141521242201
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: "Bob Lewis" <aa4pb@erols.com>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/27
Message-ID: <86r0la$40u$1@bob.news.rcn.net>#1/1
X-Deja-AN: 578592008
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: abuse@rcn.com
X-Trace: U6PmKTKupDFwzhiPnixy22LifVwreYxMSizkZx2lF1Y=
X-MSMail-Priority: Normal
NNTP-Posting-Date: 28 Jan 2000 02:58:50 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

I have it! We make a requirement that you have to
answer written questions at the rate of 20
questions per minute for Extra.

W6RCecilA <Cecil.A.Moore@IEEE.org> wrote in
message news:3890DC27.840C7ECF@IEEE.org...
> thanatos999@my-deja.com wrote:

> > The point is that you cannot just cram for the
20 wpm exam in a couple
> > nights and pass it... you have to actually
acquire the skill to receive
> > cw to pass that exam.
>
> Yep, you have to rote-memorize like crazy. Why
is it OK to rote-memorize
> Morse code and not OK to rote-memorize the
written exams. Inquiring
> minds want to know.
> --
> 73, Cecil, W6RCA
http://www.mindspring.com/~w6rca

From 5638016124440489719
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/27
Message-ID: <389105E0.14CCF248@IEEE.org>#1/1
X-Deja-AN: 578594557
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
Organization: MindSpring Enterprises
X-Server-Date: 28 Jan 2000 03:03:15 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

Gary - KJ6Q wrote:
> Of all the things 20 wpm MIGHT be, "rote" damn sure ain't ONE of them!

You gotta be kidding, Gary. From Webster's: "rote - routine or
repetition carried out mechanically or unthinkingly." That
describes 20wpm Morse *perfectly*. In fact, some Morse gurus have
said, "Repeat it over and over until it becomes mechanical." If
there ever was a good description of 20wpm Morse, it's "rote".

```
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca



From -6799091055274273569
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/27
Message-ID: <38910A95.7BB1C02F@IEEE.org>#1/1
X-Deja-AN: 578599150
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <86r0la$40u$1@bob.news.rcn.net>
Organization: MindSpring Enterprises
X-Server-Date: 28 Jan 2000 03:23:21 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

Bob Lewis wrote:
> I have it! We make a requirement that you have to
> answer written questions at the rate of 20
> questions per minute for Extra.

Piece of cake, Bob. If that had been the requirement, I
would have been an extra a long time ago.
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca



From 6398450971120014688
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
```

From: "Ron Ostman" <w0nyq@minntaccdp.com>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/27
Message-ID: <86r33a$dam$1@news1.spacestar.net>#1/1
X-Deja-AN: 578601243
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Complaints-To: usenet@news1.spacestar.net
X-Trace: news1.spacestar.net 949030826 13654 206.191.224.235 (28 Jan 2000 03:40:26 GMT)
Organization: Spacestar Communications, Twin Cities, MN
NNTP-Posting-Date: 28 Jan 2000 03:40:26 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

No, YOU have to be kidding, Cecil. You are comparing apples and oranges when you say that memorization of Morse characters to build speed is analagous to memorization of exam questions. If you have successfully "memorized" Morse at 20 wpm you have learned a language. You can recall this information again and again and in doing so develop a skill (yes - an out-dated, out-moded antiquated, etc. etc. skill). What does one "learn" by memorizing exam questions? Anotherwords - who can retain a larger percentage of the acquired information at a later time? That is the difference between memorization and learning.

Ron, W0NYQ

W6RCecilA wrote in message <389105E0.14CCF248@IEEE.org>...
>Gary - KJ6Q wrote:
>> Of all the things 20 wpm MIGHT be, "rote" damn sure ain't ONE of them!
>
>You gotta be kidding, Gary. From Webster's: "rote - routine or
>repetition carried out mechanically or unthinkingly." That
>describes 20wpm Morse *perfectly*. In fact, some Morse gurus have
>said, "Repeat it over and over until it becomes mechanical." If
>there ever was a good description of 20wpm Morse, it's "rote".
>--
>73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From -4010068006254571640
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da

X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/28
Message-ID: <86qm93$323$1@nnrp1.deja.com>#1/1
X-Deja-AN: 578479088
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<s8q6ss7aeh6105@corp.supernews.com> <388F1389.B83BA239@home.net>
<s8vnin1i7q580@corp.supernews.com>
X-Http-Proxy: 1.0 PORT-PROXY, 1.0 x33.deja.com:80 (Squid/1.1.22) for client
216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Fri Jan 28 00:01:42 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

Ummmm, Mark... what would make you say such a clearly disproven thing?

After all, all the unacceptable changes came about by whiners such as
you (or at least those you appear to be supporting).

As such maybe if I and others complain enough we will get what WE want,
ya think?

In article <s8vnin1i7q580@corp.supernews.com>,
"Mark Flanagan" <markf@cshore.com> wrote:
> Why do you continue to attempt to value yourself greater than your
peers
> based on what? 1) The fact you passed a test under the old rules. 2)
How
> much lomger you will be missed. What's next? My daddy can beat up
your
> daddy or my bike bike is newer than yours? Get over it. Either adapt
to
> the changes and accept them, keep bitching until everyone tunes you
out or
> just walk away.
>
> Mark, K1MKF
>
> Neal Feldman <silverstorm@home.net> wrote in message
> news:388F1389.B83BA239@home.net...
> > Likely far longer than you would.
> >
> > Mark Flanagan wrote:
> >
> > > >
> > > > Dammit, sometimes I really hate being right.

```
> > > >
> > > > And I really likes Amateur Radio... I fear I will not be able to
say
> the
> > > > same soon.
> > > >
> > > > de WR7E
> > >
> > > Then quit, sell your stuff cheap and get out!  I'm sure you won't
be
> missed
> > > long.
> > >
> > > Mark, K1MKF
> >
> > --
> > ============================================================
> > Home Page: http://members.home.net/silverstorm/
> >
> > We will never rest until Gestapo CPS is completely abolished!
> >
> >
>
>


Sent via Deja.com http://www.deja.com/
Before you buy.



From 7813518756531828207
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: "Gary - KJ6Q" <davison7@spamlessgte.net>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/28
Message-ID: <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>#1/1
X-Deja-AN: 578563244
Distribution: world
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org>
Content-Type: text/plain; charset="iso-8859-1"
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
```

X-Abuse-Info: Otherwise we will be unable to process your complaint properly
X-Complaints-To: abuse@gte.net
X-Trace: /bV2/77EJKtw/
AZg8TjQAetMX1dSdBGiQNCWL1O3jpvaFXuzUnC8pkH4xk5aVogJlZW7Unib+Fce!
UGGxQoW8ui5d8XkTo2ktuM84Tszwvlz7+0hGoxUw31ZjheUROnirNu7sr0pkcnQwnUDx7+dCkA==
MIME-Version: 1.0
NNTP-Posting-Date: Fri, 28 Jan 2000 01:16:05 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

Of all the things 20 wpm MIGHT be, "rote" damn sure ain't ONE of them!
Copying, and WRITING DOWN CW at 20 wpm is a SKILL that must be
practiced - much like juggling or learning to play a fairly complex tune
on the piano - CW at 20 wpm is difficult for most because at that speed
you MUST be capable of deciphering characters and common words by their
SOUND, not ny counting dits and dahs - AND, due to the speed, you must
also be writing it down 2 full characters after it is sent - an act of
coordination and concentration FAR in excess of that at 5 or 13 wpm...
Copying 20-40 wpm in your head is not that difficult - it's doing it
while writing it down that's hard...

--
Gary - KJ6Q
====================
The fable,"The grasshopper & the ant", reveals the
existance of socialist attitudes - even in Greek times...
"Play today - live off your neighbor tomorrow..."

W6RCecilA wrote in message <3890DC27.840C7ECF@IEEE.org>...
>thanatos999@my-deja.com wrote:
>> The point is that you cannot just cram for the 20 wpm exam in a
couple
>> nights and pass it... you have to actually acquire the skill to
receive
>> cw to pass that exam.
>
>Yep, you have to rote-memorize like crazy. Why is it OK to
rote-memorize
>Morse code and not OK to rote-memorize the written exams. Inquiring
>minds want to know.
>--
>73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From -8079186047326803388
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da

```
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: ccom2@socket.net
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/28
Message-ID: <3890eef9.9602368@news.socket.net>#1/1
X-Deja-AN: 578570788
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org>
Organization: Posted via Supernews, http://www.supernews.com
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Complaints-To: newsabuse@supernews.com

Cecil
Your wasting your breath. It is obvious that his mind is closed to
this subject. He is under the delusion that someone who has passed
the 20 wpm code test is superior to all those who have not. When did
the ability to do code at a fast speed justify such inflated ego's.
I am an Extra and was glad to see the end of the 20 wpm code as
a right of passage into the Extra Class ticket. The 20 wpm code test
has hindered many from becoming Extra's. Many who are Electrical
Engineer's and so on. Some of us found doing the code difficult.
Mike AB0IV

W6RCecilA <Cecil.A.Moore@IEEE.org> wrote:

>thanatos999@my-deja.com wrote:
>> The point is that you cannot just cram for the 20 wpm exam in a couple
>> nights and pass it... you have to actually acquire the skill to receive
>> cw to pass that exam.
>
>Yep, you have to rote-memorize like crazy. Why is it OK to rote-memorize
>Morse code and not OK to rote-memorize the written exams. Inquiring
>minds want to know.
>--
>73, Cecil, W6RCA   http://www.mindspring.com/~w6rca




From 4374166646765436795
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
```

From: cobrano-spam@budweiser.com (kf6foz)
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/28
Message-ID: <389104d3.2621316@news.thegrid.net>#1/1
X-Deja-AN: 578599151
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
X-Complaints-To: abuse@thegrid.net
X-Trace: alfalfa.thegrid.net 949030394 209.162.39.102 (Thu, 27 Jan 2000 19:33:14 PST)
Organization: The Grid
NNTP-Posting-Date: Thu, 27 Jan 2000 19:33:14 PST
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

Another one avoiding the question. Cant any of you liberals answer a direct question without rambling on like you have intentions of answering but never do?

Here is the question again, Lets see how long it takes for some one to give an actual answer....

Can you please explain to me again how passing a cw test of 20wpm will, prevent someone from, in your words, "have a clue as to the actual workings of the thories they are being tested on?

73 de kf6foz

On Thu, 27 Jan 2000 23:52:28 GMT, thanatos999@my-deja.com wrote:

>In article <388FC400.6EEA26CD@atlantic.net>,
> "J. Kay" <jonk@atlantic.net> wrote:
>> Can you please explain to me again how passing a cw test of 20wpm
>will,
>> prevent someone from, in your words, "have a clue as to the actual
>workings
>> of the thories they are being tested on".
>
>The point is that you cannot just cram for the 20 wpm exam in a couple
>nights and pass it... you have to actually acquire the skill to receive
>cw to pass that exam.
>
>You need no skill or real knowledge to pass any of the written 'tests',
>since the questions and answers are already public knowledge for months
>in advance.
>
>What would you think of the calibre of a college education where all the
>exams at the school were done as the written tests for ham licenses are?
>
>> I know plently of people that can
>> do cw (20wpm or better), yet cannot change a lightbulb.
>
>Irrelevant.

>
>> I agree, keep the
>> cw requirement high, in fact, let's raise the standards to say 35 - 50
>> wpm.
>
>Again at this point you would be proposing a change. As such you would
>have to demonstrate the reason for such
>
>> Then the question will be, do you still qualify for this exclusive
>> fraternity you call "extra"? EXTRA what? I think technical knowledge
>is
>> much more important than code speed, hands down.
>> Jon KG4DIR
>
>Where do you figure it is exclusionary? And do you not notice there is
>also an additional TECHNICAL knowledge requirement allegedly for Extra
>as well?
>
>
>Sent via Deja.com http://www.deja.com/
>Before you buy.

The kf6foz BBS
http://www.qsl.net/kf6foz/

From 6990170919024959664
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: cobrano-spam@budweiser.com (kf6foz)
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/28
Message-ID: <389103c1.2347389@news.thegrid.net>#1/1
X-Deja-AN: 578601242
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<s8q6ss7aeh6105@corp.supernews.com> <388d2c21.3508841@news.thegrid.net>
<388F13F4.8840AC41@home.net> <s8vnaq8b7q516@corp.supernews.com>
<86ql6d$2do$1@nnrp1.deja.com>
X-Complaints-To: abuse@thegrid.net
X-Trace: alfalfa.thegrid.net 949030110 209.162.39.102 (Thu, 27 Jan 2000 19:28:30 PST)
Organization: The Grid
NNTP-Posting-Date: Thu, 27 Jan 2000 19:28:30 PST
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

Only idiotic fools with closed minds do not accept change.
You must be one of those Extras' with one foot in the grave and the
other foot on a banana peel. You may have seniority, but you dont have
priority. Get real and wake up, because this is the year 2000, not
1941.

kf6foz

On Thu, 27 Jan 2000 23:43:11 GMT, thanatos999@my-deja.com wrote:

>In article <s8vnaq8b7q516@corp.supernews.com>,
> "Mark Flanagan" <markf@cshore.com> wrote:
>> I don't care.
>
>Obviously.
>
>> Point is that everyone says, "I remember when...   ...it was better
>> then."
>
>Irrelevant
>
>> Get over it, the times they are a changing.
>>
>> K1MKF
>
>Only idiotic fools embrace change just because it is change.
>
>> Neal Feldman <silverstorm@home.net> wrote in message
>> news:388F13F4.8840AC41@home.net...
>> >
>> >
>> > kf6foz wrote:
>> >
>> > > On Mon, 24 Jan 2000 22:39:30 -0500, "Mark Flanagan"
><markf@cshore.com>
>> > > wrote:
>> > >
>> > > >>
>> > > >> Dammit, sometimes I really hate being right.
>> > > >>
>> > > >> And I really likes Amateur Radio... I fear I will not be able
>to say
>> the
>> > > >> same soon.
>> > > >>
>> > > >> de WR7E
>> > > >
>> > > >
>> > > >Then quit, sell your stuff cheap and get out! I'm sure you won't
>be
>> missed
>> > > >long.

```
>> > > >
>> > > >Mark, K1MKF
>> > > >
>> > > >
>> > > Heh! I had to pick myself up off the floor after that comment!!
>> > > I wont miss him..
>> > >
>> > > 73 kf6foz
>> > > http://www.qsl.net/kf6foz/
>> >
>> > And I would not miss you.  There.. we're even... as if that matters
>worth
>> a
>> > tinker's damn.
>> >
>> > Just gotta love these fools... Amateur Radio is being destroyed...
>anyone
>> who
>> > speaks the truth about it is just told to take a hike.  Really puts
>the
>> > attitudes and agenda of those telling such into perspective quite
>nicely.
>> >
>> >
>> >
>> > --
>> > ============================================================
>> > Home Page: http://members.home.net/silverstorm/
>> >
>> > We will never rest until Gestapo CPS is completely abolished!
>> >
>> >
>>
>>
>
>
>Sent via Deja.com http://www.deja.com/
>Before you buy.

The kf6foz BBS
http://www.qsl.net/kf6foz/




From 6427335960525802427
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 108122,a3c220cad0982da
```

X-Google-Attributes: gid108122,public
From: cobrano-spam@budweiser.com (kf6foz)
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/28
Message-ID: <389105c5.2863519@news.thegrid.net>#1/1
X-Deja-AN: 578604506
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com> <388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com> <3890DC27.840C7ECF@IEEE.org>
X-Complaints-To: abuse@thegrid.net
X-Trace: alfalfa.thegrid.net 949030962 209.162.39.102 (Thu, 27 Jan 2000 19:42:42 PST)
Organization: The Grid
NNTP-Posting-Date: Thu, 27 Jan 2000 19:42:42 PST
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

Its kind of funny that after all these years, These people started complainig about the question pools. Why didnt you complain before you took your test. You get your tickets then complain about it. What a bunch of bigots. When someone changes the license structure you complain because it doesnt benefit you!! I'm not going to sit here and complain about the only License Class that got royally screwed, But I will mention that The Advanced Class Op has the only reason to complain. Not because of the code, but because he is in the same boat as a general. I feel for you guys, But the constant babble is getting you no where.

On Thu, 27 Jan 2000 18:00:39 -0600, W6RCecilA <Cecil.A.Moore@IEEE.org> wrote:

>thanatos999@my-deja.com wrote:
>> The point is that you cannot just cram for the 20 wpm exam in a couple
>> nights and pass it... you have to actually acquire the skill to receive
>> cw to pass that exam.
>
>Yep, you have to rote-memorize like crazy. Why is it OK to rote-memorize
>Morse code and not OK to rote-memorize the written exams. Inquiring
>minds want to know.
>--
>73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

The kf6foz BBS
http://www.qsl.net/kf6foz/

From 8264370180115922980
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public

X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: cobrano-spam@budweiser.com (kf6foz)
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/28
Message-ID: <38910869.3539411@news.thegrid.net>#1/1
X-Deja-AN: 578607636
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com> <388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com> <3890DC27.840C7ECF@IEEE.org> <3890eef9.9602368@news.socket.net>
X-Complaints-To: abuse@thegrid.net
X-Trace: alfalfa.thegrid.net 949031751 209.162.39.102 (Thu, 27 Jan 2000 19:55:51 PST)
Organization: The Grid
NNTP-Posting-Date: Thu, 27 Jan 2000 19:55:51 PST
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

Mike,
As i said in a different post, knowing you probably dont want any pitty, but I do feel for you and the rest of the Advanced users due to the fact that you are now in the same boat as a General. At least now you have an advantage and all you have to do is take the Extra written and present it to a VE after April 15th to get your Extra ticket. Only question I got is, Since you are an Advanced, Will you have to take the complete Extra class question pool after April 15th which includes the Advanced questions as well?

I recently have taken several of the Advanced sample test (without even studying for it) on QRZ and passed but dont know morse that well to become that class of operator. Now that the code requirements are lowered I can do what I wanted to since I first got my ticket and had a strong interest in ham radio. Now that I can go for it, I will be doing my best to get there.

73 de kf6foz

On Fri, 28 Jan 2000 01:37:26 GMT, ccom2@socket.net wrote:

>Cecil
>Your wasting your breath. It is obvious that his mind is closed to
>this subject. He is under the delusion that someone who has passed
>the 20 wpm code test is superior to all those who have not. When did
>the ability to do code at a fast speed justify such inflated ego's.
>I am an Extra and was glad to see the end of the 20 wpm code as
>a right of passage into the Extra Class ticket. The 20 wpm code test
>has hindered many from becoming Extra's. Many who are Electrical
>Engineer's and so on. Some of us found doing the code difficult.
>Mike AB0IV
>
>W6RCecilA <Cecil.A.Moore@IEEE.org> wrote:

>
>>thanatos999@my-deja.com wrote:
>>> The point is that you cannot just cram for the 20 wpm exam in a couple
>>> nights and pass it... you have to actually acquire the skill to receive
>>> cw to pass that exam.
>>
>>Yep, you have to rote-memorize like crazy. Why is it OK to rote-memorize
>>Morse code and not OK to rote-memorize the written exams. Inquiring
>>minds want to know.
>>--
>>73, Cecil, W6RCA   http://www.mindspring.com/~w6rca
>

The kf6foz BBS
http://www.qsl.net/kf6foz/

From -702112580084322411
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: cobrano-spam@budweiser.com (kf6foz)
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/28
Message-ID: <38910b23.4237317@news.thegrid.net>#1/1
X-Deja-AN: 578607637
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<s8q6ss7aeh6105@corp.supernews.com> <388F1389.B83BA239@home.net>
<s8vnin1i7q580@corp.supernews.com> <86qm93$323$1@nnrp1.deja.com>
X-Complaints-To: abuse@thegrid.net
X-Trace: alfalfa.thegrid.net 949031838 209.162.39.102 (Thu, 27 Jan 2000 19:57:18 PST)
Organization: The Grid
NNTP-Posting-Date: Thu, 27 Jan 2000 19:57:18 PST
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

 Thanatos,
  Not any time soon....

On Fri, 28 Jan 2000 00:01:42 GMT, thanatos999@my-deja.com wrote:

>Ummmm, Mark... what would make you say such a clearly disproven thing?
>
>After all, all the unacceptable changes came about by whiners such as
>you (or at least those you appear to be supporting).

```
>
>As such maybe if I and others complain enough we will get what WE want,
>ya think?
>
>
>In article <s8vnin1i7q580@corp.supernews.com>,
>  "Mark Flanagan" <markf@cshore.com> wrote:
>> Why do you continue to attempt to value yourself greater than your
>peers
>> based on what?  1) The fact you passed a test under the old rules.  2)
>How
>> much lomger you will be missed.  What's next?  My daddy can beat up
>your
>> daddy or my bike bike is newer than yours?  Get over it.  Either adapt
>to
>> the changes and accept them, keep bitching until everyone tunes you
>out or
>> just walk away.
>>
>> Mark, K1MKF
>>
>> Neal Feldman <silverstorm@home.net> wrote in message
>> news:388F1389.B83BA239@home.net...
>> > Likely far longer than you would.
>> >
>> > Mark Flanagan wrote:
>> >
>> > > >
>> > > > Dammit, sometimes I really hate being right.
>> > > >
>> > > > And I really likes Amateur Radio... I fear I will not be able to
>say
>> the
>> > > > same soon.
>> > > >
>> > > > de WR7E
>> > >
>> > > Then quit, sell your stuff cheap and get out!  I'm sure you won't
>be
>> missed
>> > > long.
>> > >
>> > > Mark, K1MKF
>> >
>> > --
>> > ============================================================
>> > Home Page: http://members.home.net/silverstorm/
>> >
>> > We will never rest until Gestapo CPS is completely abolished!
>> >
>> >
>>
>>
```

>
>
>Sent via Deja.com http://www.deja.com/
>Before you buy.

The kf6foz BBS
http://www.qsl.net/kf6foz/

From 6943093817067146075
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/28
Message-ID: <3891A028.B124DFC4@IEEE.org>#1/1
X-Deja-AN: 578758250
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org> <86r33a$dam$1@news1.spacestar.net>
Organization: MindSpring Enterprises
X-Server-Date: 28 Jan 2000 14:01:33 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

Ron Ostman wrote:
> If you have successfully
> "memorized" Morse at 20 wpm you have learned a language.

Really? Where are the alphabet and syntax rules for the Morse language?
I was under the impression that Mr. Morse spoke English and invented a
coding system for the English language and it was originally designed
to mechanically punch holes in paper tape. If you're not coding the
English language, how do your fellow American hams ever understand
you?

Morse code and Ohm's law are learned exactly the same way. If you
use it, you remember it. If you don't use it, you lose it. After
49 years as a ham, I am very practiced in the use of Ohm's law.
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From 8120271679673656727
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: 10bf43,79684cd3d2727cfb,start
X-Google-Attributes: gid10bf43,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/28
Message-ID: <3891A1B6.4C8524B9@IEEE.org>#1/1
X-Deja-AN: 578758255
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <389105c5.2863519@news.thegrid.net>
Organization: MindSpring Enterprises
X-Server-Date: 28 Jan 2000 14:08:10 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.policy,rec.radio.amateur.equipment

kf6foz wrote:
> But I
> will mention that The Advanced Class Op has the only reason to
> complain. Not because of the code, but because he is in the same boat
> as a general.

Well, not exactly. There will be no new Advanced after April 15.
Until that time, we advanced hams don't have to repeat the
advanced exam. All we have to do to qualify for a future extra
license is pass the present (4B). That's what I intend to do
tomorrow.
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From 557369375385889774
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public

X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: "JOHN R. MANN" <KK7MV@montana.com>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/28
Message-ID: <rthk4.696$Mq4.5534@newsfeed.slurp.net>#1/1
X-Deja-AN: 578764332
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com> <388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com> <3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net> <389105E0.14CCF248@IEEE.org>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 949068759 208.4.224.79 (Fri, 28 Jan 2000 08:12:39 CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Fri, 28 Jan 2000 08:12:39 CDT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

With all due respect Cecil, the dictionary suggests repetition . I don't see where the word 'rote' applies to CW at 20 WPM. The tests are changed regularly. Simply put, you will not do random CW at 20WPM with rote memorization. On the same subject, why in the world does any one want to make an issue out of one's ability to do 20WPM or 2 WPM. What possible difference does it make? Does that somehow make one person 'better' than another?I don't think so. This coming from a person who has been in Amateur Radio since 1950 and operates regularly at 35 WPM. I only just wish that we could all get along better and make a better attempt to get along. There is plenty of diversity in Amateur Radio for all interests. 73........

--
Best Regards,
Lee St.Clair
971 Bear Creek Trail
Victor,MT 59875
http://people.montana.com/~w7ax
W6RCecilA <Cecil.A.Moore@IEEE.org> wrote in message news:389105E0.14CCF248@IEEE.org...
> Gary - KJ6Q wrote:
> > Of all the things 20 wpm MIGHT be, "rote" damn sure ain't ONE of them!
>
> You gotta be kidding, Gary. From Webster's: "rote - routine or
> repetition carried out mechanically or unthinkingly." That
> describes 20wpm Morse *perfectly*. In fact, some Morse gurus have
> said, "Repeat it over and over until it becomes mechanical." If
> there ever was a good description of 20wpm Morse, it's "rote".
> --
> 73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From -2930309368909925063
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/28
Message-ID: <3891AE96.C5464CFC@IEEE.org>#1/1
X-Deja-AN: 578778911
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org> <rthk4.696$Mq4.5534@newsfeed.slurp.net>
Organization: MindSpring Enterprises
X-Server-Date: 28 Jan 2000 15:03:01 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

JOHN R. MANN wrote:
> With all due respect Cecil, the dictionary suggests repetition . I don't see
> where the word 'rote' applies to CW at 20 WPM.

From Webster's: "rote - repetition carried out mechanically or unthinkingly."
That is an *EXACT* description of what I'm doing when I receive Morse code.
Code gurus tell us to, "Repeat the code over and over until you can do it
without thinking about it".
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From 2795231845484577076
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: <@>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/28

Message-ID: <86sh95$9bs$1@nntp9.atl.mindspring.net>#1/1
X-Deja-AN: 578818629
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com> <388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com> <3890DC27.840C7ECF@IEEE.org> <3890eef9.9602368@news.socket.net>
X-Priority: 3
X-Server-Date: 28 Jan 2000 16:48:37 GMT
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
Organization: MindSpring Enterprises
X-MSMail-Priority: Normal
Reply-To: <@>
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

The 20 wpm code test has hindered many from becoming Extra's. Many who are Electrical Engineer's and so on. Some of us found doing the code difficult.
> Mike AB0IV
>

Here we go again....those poor electrical engineers....can't learn code and need special treatment so they can become Extras. How about those who are totally non-technical by education and still manage BOTH the code and the theory. Is there some reason that EE's should be exaulted in some way?

73 John KO0D

From -6993647706774407549
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10bf43,79684cd3d2727cfb
X-Google-Attributes: gid10bf43,public
From: Dick Carroll <dixie@townsqr.com>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/28
Message-ID: <86so69$5no$2@208.207.71.158>#1/1
X-Deja-AN: 578857669
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com> <388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com> <3890DC27.840C7ECF@IEEE.org> <389105c5.2863519@news.thegrid.net> <3891A1B6.4C8524B9@IEEE.org>
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0

Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.policy,rec.radio.amateur.equipment

W6RCecilA wrote:
>
> kf6foz wrote:
> > But I
> > will mention that The Advanced Class Op has the only reason to
> > complain. Not because of the code, but because he is in the same boat
> > as a general.
>
> Well, not exactly. There will be no new Advanced after April 15.
> Until that time, we advanced hams don't have to repeat the
> advanced exam. All we have to do to qualify for a future extra
> license is pass the present (4B). That's what I intend to do
> tomorrow.

Shall I go dig up the many posts where you stated
unequivically that you would NEVER get an extra class
license under any circumstances?

Aw, well...... You never had a half ounce of credibility
anyway.

From -3472153463651335677
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: "?" <geezer@netusa1.net>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/28
Message-ID: <_1mk4.921$Mq4.8629@newsfeed.slurp.net>#1/1
X-Deja-AN: 578875102
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 949087482 206.150.216.195 (Fri, 28 Jan 2000 13:24:42 CDT)
X-MSMail-Priority: Normal
Reply-To: "?" <wolfe_lone@hotmail.com>
NNTP-Posting-Date: Fri, 28 Jan 2000 13:24:42 CDT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

If all who post here would use the energy they expend p---ing and moaning about the death of amateur radio
and .would accept what they can not do anything about; then work to get the hobby back on track. it just might not die.

I wonder why all this hoopla is taking place on a "computer" based newsgroup instead of over the bands?

From 537219668826230452
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: 10bf43,79684cd3d2727cfb
X-Google-Attributes: gid10bf43,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: cobrano-spam@budweiser.com (kf6foz)
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/28
Message-ID: <3891fcbf.772712@news.thegrid.net>#1/1
X-Deja-AN: 578910284
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com> <388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com> <3890DC27.840C7ECF@IEEE.org> <389105c5.2863519@news.thegrid.net> <3891A1B6.4C8524B9@IEEE.org>
X-Complaints-To: abuse@thegrid.net
X-Trace: alfalfa.thegrid.net 949093697 209.162.39.251 (Fri, 28 Jan 2000 13:08:17 PST)
Organization: The Grid
NNTP-Posting-Date: Fri, 28 Jan 2000 13:08:17 PST
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.policy,rec.radio.amateur.equipment

On Fri, 28 Jan 2000 08:03:34 -0600, W6RCecilA <Cecil.A.Moore@IEEE.org> wrote:

>kf6foz wrote:
>> But I
>> will mention that The Advanced Class Op has the only reason to
>> complain. Not because of the code, but because he is in the same boat
>> as a general.
>
>Well, not exactly. There will be no new Advanced after April 15.
>Until that time, we advanced hams don't have to repeat the
>advanced exam. All we have to do to qualify for a future extra
>license is pass the present (4B). That's what I intend to do
>tomorrow.

>--
>73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

Thats what I meant, If you dont do it before the 15th, You will be you
know where. Good Luck on 4B.

73 de kf6foz
The kf6foz BBS
http://www.qsl.net/kf6foz/

From -8173480470824901759
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: henry@wolfenet.com (Henry Knouse)
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/28
Message-ID: <3894101b.1640433@news1.wolfenet.com>#1/1
X-Deja-AN: 578934004
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org> <86r33a$dam$1@news1.spacestar.net>
<3891A028.B124DFC4@IEEE.org>
Organization: Wolfe Internet Access, L.L.C
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

W6RCecilA <Cecil.A.Moore@IEEE.org> wrote:

>Ron Ostman wrote:
>> If you have successfully
>> "memorized" Morse at 20 wpm you have learned a language.
>
>Really? Where are the alphabet and syntax rules for the Morse language?
>I was under the impression that Mr. Morse spoke English and invented a
>*coding system* for the English language and it was originally designed
>to mechanically punch holes in paper tape. If you're not coding the
>*English* language, how do your fellow American hams ever understand
>you?
>

I am not taking sides one way or another, but when I went to
Washington State University, learning a computer language fulfiled
a foreign language requirement.
In reality, learning the moris code is another way of expressing a
language. Italian and Spanish are very close. In fact, if a person can

real Italian, he can often understand written Spanish. Yet both are
distinct languages. I am not tryig to argue anything, but just making
a comment,
73's Henry

From -5673818298687240026
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: "George T. Baker" <w5yr@att.net>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/28
Message-ID: <38924462.A04C40A0@att.net>#1/1
X-Deja-AN: 579003004
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org> <86r33a$dam$1@news1.spacestar.net>
<3891A028.B124DFC4@IEEE.org>
To: W6RCecilA <Cecil.A.Moore@IEEE.org>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@worldnet.att.net
X-Trace: bgtnsc02.worldnet.att.net 949109869 20789 12.74.100.177 (29 Jan 2000
01:37:49 GMT)
Organization: AT&T WorldNet Services
Mime-Version: 1.0
NNTP-Posting-Date: 29 Jan 2000 01:37:49 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

Cecil, let me offer the thought that "CW" is actually a superset of
Morse. While Morse is a simple - although somewhat unique - alphanumeric
symbol encoding system, CW communication involving Morse has over the
years evolved into a pseudo language with the syntax, et al that you cite
as lacking with Morse alone.

It is entirely possible - and it is done daily worldwide - to communicate effectively over a limited set of topics of mutual interest with amateur stations worldwide whose knowledge of spoken English is anywhere from limited to entirely lacking. This has been especially true with Russian/USSR stations over the years.

The commonality of abbreviations, subject matter, and even the "order" with which topics are discussed or presented all combine to provide a language-enabling mechanism that is actually rather effective, however limited in potential content.

72/73, George
Fairview, TX   30 mi NE Dallas in Collin county
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452   RVing since 1972

W6RCecilA wrote:
>
> Ron Ostman wrote:
> > If you have successfully
> > "memorized" Morse at 20 wpm you have learned a language.
>
> Really? Where are the alphabet and syntax rules for the Morse language?
> I was under the impression that Mr. Morse spoke English and invented a
> *coding system* for the English language and it was originally designed
> to mechanically punch holes in paper tape. If you're not coding the
> *English* language, how do your fellow American hams ever understand
> you?
>
> Morse code and Ohm's law are learned exactly the same way. If you
> use it, you remember it. If you don't use it, you lose it. After
> 49 years as a ham, I am very practiced in the use of Ohm's law.
> --
> 73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From 2459597706991674589
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/28
Message-ID: <3891E71A.DD6DF896@IEEE.org>#1/1
X-Deja-AN: 579028378
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>

<3890DC27.840C7ECF@IEEE.org> <3890eef9.9602368@news.socket.net>
<86sh95$9bs$1@nntp9.atl.mindspring.net>
Organization: MindSpring Enterprises
X-Server-Date: 28 Jan 2000 19:04:08 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment

@ wrote:
> The 20 wpm code test has hindered many from becoming Extra's. Many who are
> Electrical Engineer's and so on. Some of us found doing the code difficult.
> > Mike AB0IV
> >
> Here we go again....those poor electrical engineers....can't learn code and
> need special treatment so they can become Extras. How about those who are
> totally non-technical by education and still manage BOTH the code and the
> theory. Is there some reason that EE's should be exaulted in some way?

Of course, they are technical. This is supposed to be a technical service.
Who cares what mode they use to operate?
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From 4862095545595051895
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: Keith Wood <kw@bctv.com>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/29
Message-ID: <38927598.4AC6ECDF@bctv.com>#1/1
X-Deja-AN: 579052359
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: news@aros.net
X-Trace: news.aros.net 949122494 49781 208.219.24.170 (29 Jan 2000 05:08:14 GMT)
Organization: Brass Cannon Productions
Mime-Version: 1.0
Reply-To: kw@bctv.com
NNTP-Posting-Date: 29 Jan 2000 05:08:14 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

thanatos999@my-deja.com wrote:

> At least the CW tests, while maybe not the most technically proficient,
> at least could not be fudged in this manner. You had to actually be
> COMPETENT in cw to pass the 20 wpm test.

Bull.

I know Extras who can't even pull their own call signs out of a string
of 10 otherwise random characters.

From -6971933740342465664
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: "Mark Flanagan" <markf@cshore.com>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/29
Message-ID: <s950149uq0s41@corp.supernews.com>#1/1
X-Deja-AN: 579067234
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org> <rthk4.696$Mq4.5534@newsfeed.slurp.net>
<3891AE96.C5464CFC@IEEE.org>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: newsabuse@supernews.com
Organization: Posted via Supernews, http://www.supernews.com
X-MSMail-Priority: Normal
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

He's right, can't anyone admit it?

W6RCecilA <Cecil.A.Moore@IEEE.org> wrote in message
news:3891AE96.C5464CFC@IEEE.org...
> JOHN R. MANN wrote:
> > With all due respect Cecil, the dictionary suggests repetition . I don't see
> > where the word 'rote' applies to CW at 20 WPM.
>

> From Webster's: "rote - repetition carried out mechanically or
unthinkingly."
> That is an *EXACT* description of what I'm doing when I receive Morse
code.
> Code gurus tell us to, "Repeat the code over and over until you can do it
> without thinking about it".
> --
> 73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From -4169489821287672722
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,69ca62d5f7a1ad08,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,69ca62d5f7a1ad08,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 108122,69ca62d5f7a1ad08,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,69ca62d5f7a1ad08,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: 1109af,69ca62d5f7a1ad08,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 10ed5f,69ca62d5f7a1ad08,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f76e2,69ca62d5f7a1ad08,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,69ca62d5f7a1ad08,start
X-Google-Attributes: gid1031c8,public
From: "Jason Miles" <jamiles@home.com>
Subject: FS ICOM IC706 HF+VHF, amp, tuner, boom mike, and CW key (CANADA)
Date: 2000/01/29
Message-ID: <sWFk4.64186$Dv1.1759242@news2.rdc1.on.home.com>#1/1
X-Deja-AN: 579224598
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: abuse@home.net
X-Trace: news2.rdc1.on.home.com 949168920 24.112.153.165 (Sat, 29 Jan 2000
10:02:00 PST)
Organization: @Home Network Canada
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 29 Jan 2000 10:02:00 PST
Newsgroups: alt.ham-radio,alt.ham-radio.hf,alt.radio.amateur,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap

ICOM IC-706 HF + 6M + 2M Radio $1400(Canadian) or reasonable offer
Comes with MB-62 Mobile mounting bracket for faceplate & OPC-581 3.5M
separation
cable, original box, spare power cables, manual, and manual for CIV control.
Excellent like new condition. Radio specs are

100W HF all mode, all bands, except AM which is 40W,
100W on 6M all mode, and
10 W on 2M all mode. (Amplifier listed below)

Heil HM-10-Dual microphone (type 4 and type 5 cartridge) $150 c/w FS-1 Foot switch and MA-1 Adjustable boom.

MFJ 949E Deluxe Versa Tuner II $150 Like new, works great

Daiwa LA-2080H 2M Linear (FM + AM/SSB/CW) amp with preamp $150 Brand new still in box

Bencher BY-1 Iambic Paddle (black base) $75

All prices listed in Canadian currency. I have been using the station for approx 1 year, and now must sell quick. I have received excellent signal/audio reports from all around the globe.
I would prefer to sell the items as a package for $1800 obo but will consider seperating for pricing listed above. To buy the tranceiver, you must provide me with proof of a valid amateur radio licence.

From -4833917158863412170
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: Dean Arthur <dearthur@silverstar.com>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/29
Message-ID: <3893B79F.171@silverstar.com>#1/1
X-Deja-AN: 579403995
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com> <_1mk4.921$Mq4.8629@newsfeed.slurp.net>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: newsabuse@supernews.com
Organization: FUBAR
MIME-Version: 1.0
Reply-To: dearthur@silverstar.com
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

I wonder why all this hoopla is taking place on a "computer" based newsgroup instead of over the bands?

Here, they are automatically "published."

On the bands, they might be sending their message(s) into thin air for
all they know. THAT'S SCARY - to them.

```
From -2381724917761434987
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: "Prof. Curt M. Breneman" <brenec@rpi.edu>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/30
Message-ID: <38947FEA.4EE7@rpi.edu>#1/1
X-Deja-AN: 579609665
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <3890eef9.9602368@news.socket.net>
Organization: Rensselaer Polytechnic Institute
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
```

Here's an idea folks --

What about having a "20+ WPM" (ARRL?) certificate or award that could
serve to recognize those who believe that recognition of their code
speed is crucial to their self-esteem. That way, the technical
questions related to licensing can be segregated from the code speed /
rite-of-passage debate.

Curt Breneman
KC2EBP

```
From 7061857192189893385
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
```

X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: Keith Wood <kw@bctv.com>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/30
Message-ID: <38949F10.6D9A78C2@bctv.com>#1/1
X-Deja-AN: 579618153
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <3890eef9.9602368@news.socket.net>
<38947FEA.4EE7@rpi.edu>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: news@aros.net
X-Trace: news.aros.net 949264203 84478 208.219.24.170 (30 Jan 2000 20:30:03 GMT)
Organization: Brass Cannon Productions
Mime-Version: 1.0
Reply-To: kw@bctv.com
NNTP-Posting-Date: 30 Jan 2000 20:30:03 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

"Prof. Curt M. Breneman" wrote:

> Here's an idea folks --
>
> What about having a "20+ WPM" (ARRL?) certificate or award that could
> serve to recognize those who believe that recognition of their code
> speed is crucial to their self-esteem. That way, the technical
> questions related to licensing can be segregated from the code speed /
> rite-of-passage debate.
>
> Curt Breneman
> KC2EBP

It's a good idea. It should also include SENDING 20WPM using a straight key.

The testing should be done at hamfests, with results posted on a board, so that we can properly recognize those who pass . . .

. . .and those who DON'T. heheheheh

From 8255915749386773686
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: "?" <geezer@netusa1.net>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/30
Message-ID: <FT3l4.2704$P5.11799@newsfeed.slurp.net>#1/1
X-Deja-AN: 579692975
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <3890eef9.9602368@news.socket.net>
<38947FEA.4EE7@rpi.edu> <38949F10.6D9A78C2@bctv.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 949275237 206.150.216.197 (Sun, 30 Jan 2000 17:33:57
CDT)
X-MSMail-Priority: Normal
Reply-To: "?" <wolfe_lone@hotmail.com>
NNTP-Posting-Date: Sun, 30 Jan 2000 17:33:57 CDT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

Give us a break! This horse has been beat long enough!

a story comes to mind about a truck driver from the USA
stuck up in Edmonton waiting for a dispatch back to the 48
He was mad as hell to be there; so far from his home; that he was
complaining about everything. This big Cannuk comes over and
says to him "you no like Canada?---then get the f--- out"

If you are so sure its over feel free to do whatever you like with your
ticket and rigs
I, for one, am not quitting.

kb9thn

From 8756360317869689564
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public

X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: "WildFire" <sesockk@yahoo.com>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/30
Message-ID: <872m82$aai1@news.cis.okstate.edu>#1/1
X-Deja-AN: 579716370
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com> <388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com> <3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net> <389105E0.14CCF248@IEEE.org> <rthk4.696$Mq4.5534@newsfeed.slurp.net> <3891AE96.C5464CFC@IEEE.org> <872m6g$i98$1@nnrp1.deja.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Organization: Oklahoma State University
X-MSMail-Priority: Normal
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

I think you should shut up, for God's sake, and let this stupid argument end already. Doesn't anyone have anything better to talk about, or even do in their lives other than flame other ARS ops like fighting children? I know I do
<thanatos999@my-deja.com> wrote in message
news:872m6g$i98$1@nnrp1.deja.com...
> In article <3891AE96.C5464CFC@IEEE.org>,
>   W6RCecilA <Cecil.A.Moore@IEEE.org> wrote:
> > JOHN R. MANN wrote:
> > > With all due respect Cecil, the dictionary suggests repetition . I
> don't see
> > > where the word 'rote' applies to CW at 20 WPM.
> >
> > From Webster's: "rote - repetition carried out mechanically or
> unthinkingly."
> > That is an *EXACT* description of what I'm doing when I receive Morse
> code.
>
> Then you are unique in the universe, Cecil.
>
> Because since cw is used for COMMUNICATION and part of the definition of
> COMMUNICATION is the exchange of ideas, I fail to see how one can
> consider the exchange of ideas between individuals, each exchange being
> completely different for the most part, to be 'repetition carried out
> mechanically'... ESPECIALLY 'unthinkingly'.
>
> Maybe you operate morse on the 'infinite number of monkeys at an
> infinite number of typewriters for an infinite period of time recreating
> all the works of Shakespeare' model, but I do not think most people
> do...
>
> and likely your random dits and dahs on the air would legitimately be

> considered interference under most definitions and result in your losing
> your license. (not that it would be much of a loss to the hobby
> apparently... you certainly come across as a 3870 kind of guy...)
>
> > Code gurus tell us to, "Repeat the code over and over until you can do
> it
> > without thinking about it".
>
> It is not 'not thinking about' what is being sent... it is 'not thinking
> about' the mechanism of the communication.
>
> It is the same as your french teacher telling you not to
> translate/convert but to actually think in the language naturally.
>
> But clearly Cecil lacks the wit to comprehend ... maybe we should just
> pity him for his ignorance and mental limitations which he is so clearly
> demonstrating.... what do you all think?
>
>
> Sent via Deja.com http://www.deja.com/
> Before you buy.

From -8409263398542517753
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/30
Message-ID: <3894E338.1494237C@IEEE.org>#1/1
X-Deja-AN: 579719996
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<s8q6ss7aeh6105@corp.supernews.com> <388d2c21.3508841@news.thegrid.net>
<388F13F4.8840AC41@home.net> <s8vnaq8b7q516@corp.supernews.com>
<86ql6d$2do$1@nnrp1.deja.com> <3890DB5A.CCCE393F@IEEE.org>
<872lbj$hjq$1@nnrp1.deja.com>
Organization: MindSpring Enterprises
X-Server-Date: 31 Jan 2000 01:24:42 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

thanatos999@my-deja.com wrote:
> Neither you nor anyone else has in any way, shape or form shown this
> change to be 'for the better', Cecil.
> You just come across as a fool when you do that.

Let me put it another way, Mr. noname, nocall, likely CBer, Only a
fool would defy an FCC R&O. What is it about, "This R&O is closed.",
that you do not understand? Why don't you go back to 11m?
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From -4363090426693139205
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/30
Message-ID: <3894E3CF.B57E39FE@IEEE.org>#1/1
X-Deja-AN: 579719998
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org> <86r33a$dam$1@news1.spacestar.net>
<3891A028.B124DFC4@IEEE.org> <872lqi$hvf$1@nnrp1.deja.com>
Organization: MindSpring Enterprises
X-Server-Date: 31 Jan 2000 01:27:13 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

thanatos999@my-deja.com wrote:
> Alphabet rules? What do you think the [.- = A] are? As for syntax it
> depends on what other language you are using morse to communicate in.

Thanks Mr. CBer, you have just proven that Morse is a coding system, not
a language.

> > After 49 years as a ham, I am very practiced in the use of Ohm's law.
>
> But clearly not in the use of cw.

CW is my favorite mode. I rarely use any other mode. You lose, Mr. CBer.
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From 4174432309424113109
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/30
Message-ID: <3894E429.67675BD7@IEEE.org>#1/1
X-Deja-AN: 579719999
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <872lga$hsn$1@nnrp1.deja.com>
Organization: MindSpring Enterprises
X-Server-Date: 31 Jan 2000 01:28:42 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

thanatos999@my-deja.com wrote:
> Again you prove yourself to be nothing but an idiotic fool who clearly
> has no concept of what he is talking about.

And an obvious CBer who doesn't post a name or call is not a fool?
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From 2006725442106015027
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>

Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/30
Message-ID: <3894E910.72D60438@IEEE.org>#1/1
X-Deja-AN: 579722999
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org> <rthk4.696$Mq4.5534@newsfeed.slurp.net>
<3891AE96.C5464CFC@IEEE.org> <872m6g$i98$1@nnrp1.deja.com>
Organization: MindSpring Enterprises
X-Server-Date: 31 Jan 2000 01:49:38 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

thanatos999@my-deja.com wrote:
> Because since cw is used for COMMUNICATION and part of the definition of
> COMMUNICATION is the exchange of ideas, I fail to see how one can
> consider the exchange of ideas between individuals, each exchange being
> completely different for the most part, to be 'repetition carried out
> mechanically'... ESPECIALLY 'unthinkingly'.

We're talking about the coding *SYSTEM*, not the content of the communication.
Please describe how you use CW without memorizing the code/character
translation. Do you develop Morse code from first principles every time
you use it. You seem not to know anything about Morse code. I suspect
a CBer on the troll.

> It is the same as your french teacher telling you not to
> translate/convert but to actually think in the language naturally.

Ah, but nobody thinks in Morse code. You really are a CBer, aren't you?
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From -7934389188193976394
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: 10bf43,79684cd3d2727cfb
X-Google-Attributes: gid10bf43,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/30
Message-ID: <3894E67A.85612F@IEEE.org>#1/1

```
X-Deja-AN: 579723007
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <389105c5.2863519@news.thegrid.net>
<3891A1B6.4C8524B9@IEEE.org> <86so69$5no$2@208.207.71.158>
<872nkt$j4a$1@nnrp1.deja.com>
Organization: MindSpring Enterprises
X-Server-Date: 31 Jan 2000 01:38:36 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.policy,rec.radio.amateur.equipment

thanatos999@my-deja.com wrote:
> ROTFLU!

I'm really happy that you enjoy pain so much.
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca



From -6355844218216495258
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/31
Message-ID: <872lbj$hjq$1@nnrp1.deja.com>#1/1
X-Deja-AN: 579660677
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<s8q6ss7aeh6105@corp.supernews.com> <388d2c21.3508841@news.thegrid.net>
<388F13F4.8840AC41@home.net> <s8vnaq8b7q516@corp.supernews.com>
<86ql6d$2do$1@nnrp1.deja.com> <3890DB5A.CCCE393F@IEEE.org>
X-Http-Proxy: 1.0 PORT-PROXY, 1.0 x21.deja.com:80 (Squid/1.1.22) for client
216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Mon Jan 31 00:34:59 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

In article <3890DB5A.CCCE393F@IEEE.org>,
  W6RCecilA <Cecil.A.Moore@IEEE.org> wrote:
```

> thanatos999@my-deja.com wrote:
> > Only idiotic fools embrace change just because it is change.
>
> And only idiotic fools refuse to change for the better.

Neither you nor anyone else has in any way, shape or form shown this
change to be 'for the better', Cecil.

Ever heard the phrase "putting your cart before your horse'?

You just come across as a fool when you do that.

Sent via Deja.com http://www.deja.com/
Before you buy.

From -7053796284844063444
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/31
Message-ID: <872lga$hsn$1@nnrp1.deja.com>#1/1
X-Deja-AN: 579660690
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org>
X-Http-Proxy: 1.0 PORT-PROXY, 1.0 x23.deja.com:80 (Squid/1.1.22) for client
216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Mon Jan 31 00:37:31 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

In article <3890DC27.840C7ECF@IEEE.org>,
W6RCecilA <Cecil.A.Moore@IEEE.org> wrote:
> thanatos999@my-deja.com wrote:
> > The point is that you cannot just cram for the 20 wpm exam in a
couple
> > nights and pass it... you have to actually acquire the skill to
receive
> > cw to pass that exam.

>
> Yep, you have to rote-memorize like crazy. Why is it OK to
rote-memorize
> Morse code and not OK to rote-memorize the written exams. Inquiring
> minds want to know.

Again you prove yourself to be nothing but an idiotic fool who clearly
has no concept of what he is talking about.

Sent via Deja.com http://www.deja.com/
Before you buy.

From 736206988136067281
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/31
Message-ID: <872lqi$hvf$1@nnrp1.deja.com>#1/1
X-Deja-AN: 579663998
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org> <86r33a$dam$1@news1.spacestar.net>
<3891A028.B124DFC4@IEEE.org>
X-Http-Proxy: 1.0 PORT-PROXY, 1.0 x22.deja.com:80 (Squid/1.1.22) for client
216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Mon Jan 31 00:42:59 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

In article <3891A028.B124DFC4@IEEE.org>,
  W6RCecilA <Cecil.A.Moore@IEEE.org> wrote:
> Ron Ostman wrote:
> > If you have successfully
> > "memorized" Morse at 20 wpm you have learned a language.
>
> Really? Where are the alphabet and syntax rules for the Morse
> language?

Alphabet rules? What do you think the [.- = A] are? As for syntax it depends on what other language you are using morse to communicate in.

> I was under the impression that Mr. Morse spoke English and invented a
> *coding system* for the English language and it was originally
designed
> to mechanically punch holes in paper tape. If you're not coding the
> *English* language, how do your fellow American hams ever understand
> you?

Irrelevant. It is still a language useable by non enlish speakers to communicate at least the basics of a conversation with enlish speaking hams, and vice versa.

> Morse code and Ohm's law are learned exactly the same way.

BS, Cecil.

> If you
> use it, you remember it. If you don't use it, you lose it.

Actually it is much like riding a bicycle. Once you learn it right you never forget it... you might get rusty from non-use but the rust shakes off fairly quickly.

I guess it is just becoming more and more apparent that Cecil just never learned cw well and arrogantly brandishes his inabilities and the ignorance they create as some kind of perverted 'virtues'.

> After 49 years as a ham, I am very practiced in the use of Ohm's law.

But clearly not in the use of cw.

Sent via Deja.com http://www.deja.com/
Before you buy.

From -933369093447381132
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/31
Message-ID: <872m6g$i98$1@nnrp1.deja.com>#1/1

X-Deja-AN: 579664049
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org> <rthk4.696$Mq4.5534@newsfeed.slurp.net>
<3891AE96.C5464CFC@IEEE.org>
X-Http-Proxy: 1.0 PORT-PROXY, 1.0 x30.deja.com:80 (Squid/1.1.22) for client 216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Mon Jan 31 00:49:20 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

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W6RCecilA <Cecil.A.Moore@IEEE.org> wrote:

> JOHN R. MANN wrote:
> > With all due respect Cecil, the dictionary suggests repetition . I don't see
> > where the word 'rote' applies to CW at 20 WPM.
>
> From Webster's: "rote - repetition carried out mechanically or unthinkingly."
> That is an *EXACT* description of what I'm doing when I receive Morse code.

Then you are unique in the universe, Cecil.

Because since cw is used for COMMUNICATION and part of the definition of COMMUNICATION is the exchange of ideas, I fail to see how one can consider the exchange of ideas between individuals, each exchange being completely different for the most part, to be 'repetition carried out mechanically'... ESPECIALLY 'unthinkingly'.

Maybe you operate morse on the 'infinite number of monkeys at an infinite number of typewriters for an infinite period of time recreating all the works of Shakespeare' model, but I do not think most people do...

and likely your random dits and dahs on the air would legitimately be considered interference under most definitions and result in your losing your license. (not that it would be much of a loss to the hobby apparently... you certainly come across as a 3870 kind of guy...)

> Code gurus tell us to, "Repeat the code over and over until you can do it
> without thinking about it".

It is not 'not thinking about' what is being sent... it is 'not thinking about' the mechanism of the communication.

It is the same as your french teacher telling you not to translate/convert but to actually think in the language naturally.

But clearly Cecil lacks the wit to comprehend ... maybe we should just pity him for his ignorance and mental limitations which he is so clearly demonstrating.... what do you all think?

Sent via Deja.com http://www.deja.com/
Before you buy.

```
From -1545646355879177347
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: "?" <geezer@netusa1.net>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/08
Message-ID: <rYXn4.30$M26.757@newsfeed.slurp.net>#1/1
X-Deja-AN: 583269866
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<144c6bb2.622261f4@usw-ex0101-007.remarq.com>
<87ljtp$1ckc$1@node17.cwnet.frontiernet.net> <389EC92A.54AABCD3@IEEE.org>
X-Priority: 3
X-Mimeole: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 950029207 206.150.216.146 (Tue, 08 Feb 2000 11:00:07
CDT)
X-MSMail-Priority: Normal
Reply-To: "?" <wolfe_lone@hotmail.com>
NNTP-Posting-Date: Tue, 08 Feb 2000 11:00:07 CDT
Newsgroups: rec.radio.amateur.antenna,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment
```

QED you have proved their point!

```
From 8759261274196574197
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
```

```
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
From: "SCOTT LOGUE" <hml@penn.com>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/08
Message-ID: <WF1o4.440$xc6.417@newsfeed.slurp.net>#1/1
X-Deja-AN: 583426595
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<144c6bb2.622261f4@usw-ex0101-007.remarq.com>
<87ljtp$1ckc$1@node17.cwnet.frontiernet.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2014.211
X-Trace: newsfeed.slurp.net 950052598 208.29.119.178 (Tue, 08 Feb 2000 17:29:58
CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Tue, 08 Feb 2000 17:29:58 CDT
Newsgroups: rec.radio.amateur.antenna,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment

    i wouldn't say we hams are a dying breed. just listen to 40 or 80
meters!!!!  plenty of action
Herzog <herzog@frontiernet.net> wrote in message
news:87ljtp$1ckc$1@node17.cwnet.frontiernet.net...
> The very fact that there is so much discussion on the web, not on the
> radio proves  to me that we hams are a dying breed.
>





From -2876770190475344703
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/08
Message-ID: <38A0A9B2.57B1F34A@IEEE.org>#1/1
X-Deja-AN: 583434398
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<144c6bb2.622261f4@usw-ex0101-007.remarq.com>
<87ljtp$1ckc$1@node17.cwnet.frontiernet.net>
<WF1o4.440$xc6.417@newsfeed.slurp.net>
```

```
Organization: MindSpring Enterprises
X-Server-Date: 8 Feb 2000 23:46:35 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.radio.amateur.antenna,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment

SCOTT LOGUE wrote:
>
>     i wouldn't say we hams are a dying breed. just listen to 40 or 80
> meters!!!!

Those guys sound pretty dead to me. :-)
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca




From -8532674809421433937
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: "P. Grill" <pgrill@bellatlantic.net>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/09
Message-ID: <38A11058.FC3EBD97@bellatlantic.net>#1/1
X-Deja-AN: 583511436
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: typhoon2.gnilink.net 950068373 151.198.131.45 (Tue, 08 Feb 2000 22:52:53
EST)
MIME-Version: 1.0
NNTP-Posting-Date: Tue, 08 Feb 2000 22:52:53 EST
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

thanatos999@my-deja.com wrote:

> Before the
>                Federal Communications Commission
>                      Washington, D.C. 20554
>
> In the Matter of                  )         WT Docket No. 98-143
>                              )
> 1998 Biennial Regulatory Review --          )         RM-9148
```

> Amendment of Part 97 of the Commission's   )   RM-9150
> Amateur Service Rules.   )   RM-9196
>   )
>
> If anyone has read this the LCD (non)thinkers get their way again.
>
> First it was the 'no-code' license... "That will be enough" they said.
> I knew that was BS... and history has proven me right.
>
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> would cause rampant fraud and undermine the amateur radio service... few
> believed me and even though I am disabled I was attacked as someone who
> bashed those with disabilities.
>
> Again, history proved me 100% correct.
>
> Now we have the near final CB-ization of Amateur Radio...
>
> a 5 wpm requirement for Amateur Extra with written exams where the
> questions and answers are publicly available and easily 90% of those
> passing the 'exams' (memory tests is more like what they are) will not
> have any clue as to the actual workings of the theories they are being
> 'tested' on.
>
> At least the CW tests, while maybe not the most technically proficient,
> at least could not be fudged in this manner. You had to actually be
> COMPETENT in cw to pass the 20 wpm test.
>
> Well, that simply reduces the quality even further, and unfortunately I
> fear that before the end of the next sunspot cycle Amateur Radio as we
> know it will cease to exist, being replaced with something akin to the
> sludge pot that is 11 meters.
>
> The whiners who only are interested in the easy route for themselves and
> the profiteers who only have dollar signs in their eyes seeking to seel
> ever more radios win, and the hobby loses... again.
>
> Dammit, sometimes I really hate being right.
>
> And I really likes Amateur Radio... I fear I will not be able to say the
> same soon.
>
> de WR7E
>
> Sent via Deja.com http://www.deja.com/
> Before you buy.

It was never a situation that the C.W. requirement kept out all the dregs.
One has to listen to any portion of the band to hear the trash that is on
it. Rather, it was a lessening of the overall requirements, especially the
written exam, that allowed the bands to become what they are today.

One simply has to look at "every" period of deregulation to literally be able to plot a graph showing the downgrading of amateur radio. C.W. simply kept out of the hobby those too lazy to learn it; the fact that there are some extra class schmucks simply points to the fact that C.W. is that easy to learn!

But when you look at "when" the written test become easier, MUCH easier and then, only adding insult to injury, became multiple choice, again, you could draw an almost straight line downwards from then to where the hobby/service is today.

Most hams don't even know how to read a resistor, let alone have a proper understanding of Ohm's law. And now, even lessening the C.W. requirements to only 5 wpm for all classes of licensees!.....does nothing but rings the death knell to such a beautiful way to communicate.

I hope enough hams come together and write, petition, whatever, the fcc and the arrl in order to reverse both the deregulation of C.W. and the theory needed/required.

Phil

KA2IWR

P.S. Those not wishing to do "any" studying for advancement, simply wait. Probably in a few years you'll have full access to any frequency you want by the further deregulation that is obviously going to happen, sooner or later.

From 3193488719166825240
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: Mark Brown <kb0pyo@rconnect.com>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/09
Message-ID: <38A1F645.21F04CC5@rconnect.com>#1/1
X-Deja-AN: 583881681
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<38A11058.FC3EBD97@bellatlantic.net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: newsabuse@supernews.com

```
Organization: Posted via Supernews, http://www.supernews.com
MIME-Version: 1.0
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

Can't you guys take this whine somewhere else? It doesn't
belong on r.r.a.e. You can't change it, the FCC is following
the lead of most other countries who did the same thing
several years ago. Go ahead with any email flames, I know
and use the code often on eme and aurora where it is
neccessary but it is no longer needed as an entrance filter
(listen to 75m some Fri night, talk about trash!)

"P. Grill" wrote:
>
> thanatos999@my-deja.com wrote:
>
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> >                        Washington, D.C. 20554
> >
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> >                              )
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```

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>
> Phil
>
> KA2IWR
>
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> Probably in a few years you'll have full access to any frequency you want by
> the further deregulation that is obviously going to happen, sooner or later.

--
en24gp 6m through 1296, BBQ rules, icq 41823284

```
From -8063499022427537924
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b0d53b6784d58fb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,6b0d53b6784d58fb,start
X-Google-Attributes: gid1109af,public
From: John Pavelich <jpavelich@home.com>
Subject: TH 27A Help
Date: 2000/02/11
Message-ID: <38A391FE.7F3A2929@home.com>#1/1
X-Deja-AN: 584412890
Content-Transfer-Encoding: 7bit
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.bc.home.com 950243734 24.113.168.248 (Thu, 10 Feb 2000
20:35:34 PST)
Organization: @Home Network
MIME-Version: 1.0
NNTP-Posting-Date: Thu, 10 Feb 2000 20:35:34 PST
Newsgroups: rec.ham-radio,rec.radio.swap
```

Help all. I have a TH 27A that was in storage for about two years and after I took it out and charged the battery, it won't receive. Eveything else is fine, but no audio, no squelch. Can anyone help?

Regards
John
VE7RCS

```
From 6468832965179496782
X-Google-Language: SPANISH,ASCII
X-Google-Thread: 10c9e3,893c1a203100cf41,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,893c1a203100cf41,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fe552,893c1a203100cf41,start
X-Google-Attributes: gidfe552,public
X-Google-Thread: fa029,893c1a203100cf41,start
X-Google-Attributes: gidfa029,public
From: "Lloyd Davies" <n0vfp@bellsouth.net>
Subject: Re: LADRONES..AMSATEA
Date: 2000/02/15
Message-ID: <b8jq4.5736$y15.62463@news3.mia>#1/1
X-Deja-AN: 586277248
References: <88ce9d$73u7@psi-news.airtel.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Trace: news3.mia 950648455 216.76.234.6 (Tue, 15 Feb 2000 16:00:55 EST)
NNTP-Posting-Date: Tue, 15 Feb 2000 16:00:55 EST
```

Newsgroups: es.rec.radio.amateur,rec.ham-radio,rec.radio.scanner,rec.radio.shortwave

no compredee?

--
LLoyd Davies, N0VFP /4 NCI 2841
Athens, AL 35611
http://members.tripod.com/~N0VFP
Salva C wrote in message <88ce9d$73u7@psi-news.airtel.net>...
>Estimados colegas la presente es para comunicaros que el gupo de satelites
>de Espa�a son como los de tierra me refiero a los de URE, se separaron de
>URE porque decian que si los de URE eran unos tal y unos cual y asi poder
>tener mas presupuesto para las actividades relacionadas con los sat�lites
�y
>que?, el resultado ha sido que han aprendido la lecci�n muy r�pido, ahora
se
>dedican a sacar la pasta a la gente (yo uno de ellos). En mi pueblo sacar
la
>pasta a la gente se llama robar �en el vuestro no?, y a los que roban se
les
>llama ladrones, �que en el vuestro no?.....
>
>Con fecha del 6-11-1999 ingres� en la cuenta 0104-0307 0304165951 de estos
>se�ores, si as� se les puede llamar la cantidad de 3000 pts (o lo que es lo
>mismo18.03 ?), bueno aunque hoy con 3000 pts no se va a ninguna parte, pero
>y� quisiera yo que 200 personas me hiciesen un ingreso parecido. Esta es la
>fecha que no he recibido nada, ni siquiera una carta diciendome que ya era
>socio y bla, bla, bla.
>
>�Habran subido al Columbia a ajustar el phase 3D? o � ser� que se han hecho
>con la pasta y ma�ana ser� otro d�a?
>
>No se que pensar, la verdad que mala imagen la est�n dando....
>
>Por cierto le envi� un mail al Sr. AL Quiroga supongo que lo de AL ser� de
>AL CAPONE, presidente de AMSAT-EA y nada de nada....esperaremos un par de
>meses m�s y si no contestan a saco con ellos.
>
>Perdon a todos por el rollo pero para que lo sepais todos de que pi� cojean
>estos...si alguien sabe algo, le estar�a muy agradecido me comunicasen
>algo....
>
>Un saludo a todos.
>scervero@jazzfree.com
>EB5JDX
>
>

From -8147667242100108951
X-Google-Language: SPANISH,ASCII
X-Google-Thread: 10c9e3,893c1a203100cf41
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,893c1a203100cf41
X-Google-Attributes: gid114aac,public
X-Google-Thread: fa029,893c1a203100cf41
X-Google-Attributes: gidfa029,public
X-Google-Thread: fe552,893c1a203100cf41
X-Google-Attributes: gidfe552,public
From: "Salva C" <scervero@airtel.net>
Subject: LADRONES..AMSATEA
Date: 2000/02/15
Message-ID: <88ce9d$73u7@psi-news.airtel.net>#1/1
X-Deja-AN: 586280591
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
Organization: Airtel.net
X-MSMail-Priority: Normal
Newsgroups: es.rec.radio.amateur,rec.ham-radio,rec.radio.scanner,rec.radio.shortwave

Estimados colegas la presente es para comunicaros que el gupo de satelites de Espa�a son como los de tierra me refiero a los de URE, se separaron de URE porque decian que si los de URE eran unos tal y unos cual y asi poder tener mas presupuesto para las actividades relacionadas con los sat�lites �y que?, el resultado ha sido que han aprendido la lecci�n muy r�pido, ahora se dedican a sacar la pasta a la gente (yo uno de ellos). En mi pueblo sacar la pasta a la gente se llama robar �en el vuestro no?, y a los que roban se les llama ladrones, �que en el vuestro no?.....

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Perdon a todos por el rollo pero para que lo sepais todos de que pi� cojean estos...si alguien sabe algo, le estar�a muy agradecido me comunicasen algo....

Un saludo a todos.
scervero@jazzfree.com

EB5JDX

From 5152697180930372470
X-Google-Language: SPANISH,ASCII
X-Google-Thread: 10c9e3,f06eabb086052777,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,f06eabb086052777,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fe552,f06eabb086052777,start
X-Google-Attributes: gidfe552,public
X-Google-Thread: fa029,f06eabb086052777,start
X-Google-Attributes: gidfa029,public
From: "Salva C" <scervero@airtel.net>
Subject: AMSAT-EA Aclaracion
Date: 2000/02/16
Message-ID: <88emgo$73v19@psi-news.airtel.net>#1/1
X-Deja-AN: 586594603
Organization: Airtel.net
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
Newsgroups: es.rec.radio.amateur,rec.ham-radio,rec.radio.scanner,rec.radio.shortwave

Estimados colegas, quiero pedir mil disculpas al grupo de AMSAT-EA y mas concretamente a su presidente Al Quiroga, debido a un c�mulo de circunstancias cre� que habian desaparecido todos, mande correo a ea4lh@amsat.org pensando que era el del presidente y nadie me contest�, intent� conectarme a su gran pagina web http://aintel.bi.ehu.es/~amsat-ea y habia desaparecido, le pregunt� a un amigo (EB5HSC) si �l sab�a algo y me decia que no, que estaba igual que yo....pensando en lo peor puse un mensaje en las news preguntando si alguien sabia algo y all� se qued� el mensaje m�s solo que la una, como casi todos los menajes de las news. Finalmente puse otro mensaje en las news un poco m�s fuerte (mil disculpas again) y por fin se v� que alguien lo vi�.

Hoy 16/02/2000 a las 17:30 me ha llamado EA1BK, tras una larga conversaci�n han quedado las cosas aclaradas. El caso es que ya todo aclarado me ha dado un n�mero de tel�fono para que si alguien est� en el mismo caso que yo, tomen nota :609004514 hablen personalmente con �l.

Bueno pidiendo mil disculpas a todo el grupo AMSAT EA, un saludo.

Salvador C.

scervero@airtel.net

EB5JDX

From 8337004916880686352
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f235e03e3b94dc10,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,f235e03e3b94dc10,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 10995d,f235e03e3b94dc10,start
X-Google-Attributes: gid10995d,public
From: Tom Nicholson <gunsrus@optonline.net>
Subject: QST,CQ,HR,etc. Lot FS
Date: 2000/02/20
Message-ID: <38B0724F.AFFF6DFE@optonline.net>#1/1
X-Deja-AN: 587701335
Content-Transfer-Encoding: 7bit
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: news.optonline.net 951087864 24.188.80.112 (Sun, 20 Feb 2000 18:04:24 EST)
Organization: Optimum Online
MIME-Version: 1.0
NNTP-Posting-Date: Sun, 20 Feb 2000 18:04:24 EST
Newsgroups: rec.antiques.radio+phono,rec.ham-radio,rec.amateur.homebrew

I have below listed summary for sale as a "LOT ONLY"
they all go or none go. No ship local PU only. Will e-mail
you detailed list if you are interested. Make me a "fair" offer
and they are yours.

I am located in Bridgeport, Ct., 50 miles NE from New York
City on I-95.

NOT ALL YEARS ARE COMPLETE (see detailed list)

QST -----------------1920 to Present
73 --------------------1960 to 1988
Ham Radio -----------1968 to 1987
Ham Radio Horizons---1977 to 1980
CQ --------------------1945 to 1992

Catalogs ---------------1930's to present
ARRL Books ----------1929 to 1971
Call Books -------------1920
Radio Related Books ---1936 to 1959

From -4333942966660351234
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,60ec5b079581e856,start

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,60ec5b079581e856,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,60ec5b079581e856,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,60ec5b079581e856,start
X-Google-Attributes: gidfa656,public
From: "Matthew Walton" <matt@okdirect.com>
Subject: 2 meter 45-watt range
Date: 2000/02/21
Message-ID: <7Jhs4.2498$gE6.261489@news1.rdc2.tx.home.com>#1/1
X-Deja-AN: 588090307
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.tx.home.com 951166915 24.4.98.10 (Mon, 21 Feb 2000 13:01:55 PST)
Organization: @Home Network
X-MSMail-Priority: Normal
NNTP-Posting-Date: Mon, 21 Feb 2000 13:01:55 PST
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc

A buddy of mine and I are wanting a means of reliable, mobile 2-way communication throughout Oklahoma City....I'm looking, in particular, at the Radio Shack HTX-242, a 45 watt 2 meter radio. I'm hoping for a range of 30 miles or so.

Is this unrealistic? I'm totally unfamiliar with ham radio and would appreciate any advice anyone might have to offer. Thanks..

Matthew Walton
matt@okdirect.com

From 4534412041723914989
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,60ec5b079581e856
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,60ec5b079581e856
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,60ec5b079581e856
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,60ec5b079581e856
X-Google-Attributes: gidfa656,public
From: cobrano-spam@budweiser.com (kf6foz)
Subject: Re: 2 meter 45-watt range
Date: 2000/02/21
Message-ID: <38b1a49b.1436024@news.thegrid.net>#1/1

X-Deja-AN: 588102849
References: <7Jhs4.2498$gE6.261489@news1.rdc2.tx.home.com>
X-Complaints-To: abuse@thegrid.net
X-Trace: alfalfa.thegrid.net 951168506 209.162.21.79 (Mon, 21 Feb 2000 13:28:26 PST)
Organization: KF6FOZ Repeaters
NNTP-Posting-Date: Mon, 21 Feb 2000 13:28:26 PST
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc

Here is some simple advice, Go get your ham license and then get the radio. With the use of many repeaters on the 2 meter band, you may go further than 30 miles maybe 60 or so. There are a few here in California that reach as far as 150 miles that I know of...

Hope this helps!!!

73, John Johnson

On Mon, 21 Feb 2000 21:01:55 GMT, "Matthew Walton" <matt@okdirect.com> wrote:

>A buddy of mine and I are wanting a means of reliable, mobile 2-way
>communication throughout Oklahoma City....I'm looking, in particular, at the
>Radio Shack HTX-242, a 45 watt 2 meter radio. I'm hoping for a range of 30
>miles or so.
>
>Is this unrealistic? I'm totally unfamiliar with ham radio and would
>appreciate any advice anyone might have to offer. Thanks..
>
>Matthew Walton
>matt@okdirect.com
>
>
>

The KF6FOZ BBS
Redding, CA.
530-229-0896

Visit my Website for other stuff and more info on the BBS. Even a good list of Sale and Swap sites on there.
http://www.qsl.net/kf6foz/main.htm

From 537489971097466501
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,60ec5b079581e856
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,60ec5b079581e856

```
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,60ec5b079581e856
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,60ec5b079581e856
X-Google-Attributes: gid107ada,public
From: "A.E. 352" <no4n4x4@hotmail.com>
Subject: Re: 2 meter 45-watt range
Date: 2000/02/22
Message-ID: <Dcps4.59244$ox5.16248409@tw11.nn.bcandid.com>#1/1
X-Deja-AN: 588265494
References: <7Jhs4.2498$gE6.261489@news1.rdc2.tx.home.com>
<38b1a49b.1436024@news.thegrid.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
X-Trace: tw11.nn.bcandid.com 951197603 205.232.180.104 (Mon, 21 Feb 2000 22:33:23
MST)
Organization: bCandid - Powering the world's discussions - http://bCandid.com
NNTP-Posting-Date: Mon, 21 Feb 2000 22:33:23 MST
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc
```

I am currently hitting repeaters in excess of 50 miles away with just 10
watts on FM 2-meters.

```
 A.E. 352
kf6foz wrote in message <38b1a49b.1436024@news.thegrid.net>...
>Here is some simple advice, Go get your ham license and then get the
>radio. With the use of many repeaters on the 2 meter band, you may go
>further than 30 miles maybe 60 or so. There are a few here in
>California that reach as far as 150 miles that I know of...
>
>Hope this helps!!!
>
>73, John Johnson
>
>
>On Mon, 21 Feb 2000 21:01:55 GMT, "Matthew Walton" <matt@okdirect.com>
>wrote:
>
>>A buddy of mine and I are wanting a means of reliable, mobile 2-way
>>communication throughout Oklahoma City....I'm looking, in particular, at
the
>>Radio Shack HTX-242, a 45 watt 2 meter radio.  I'm hoping for a range of
30
>>miles or so.
>>
>>Is this unrealistic?  I'm totally unfamiliar with ham radio and would
>>appreciate any advice anyone might have to offer.  Thanks..
>>
>>Matthew Walton
>>matt@okdirect.com
>>
>>
>>
```

>
>The KF6FOZ BBS
>Redding, CA.
>530-229-0896
>
>Visit my Website for other stuff and more info on
>the BBS. Even a good list of Sale and Swap sites
>on there.
>http://www.qsl.net/kf6foz/main.htm

From 1539089257168882219
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,60ec5b079581e856
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,60ec5b079581e856
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,60ec5b079581e856
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,60ec5b079581e856
X-Google-Attributes: gid107ada,public
From: "Mike Yetsko" <joe@user.com>
Subject: Re: 2 meter 45-watt range
Date: 2000/02/22
Message-ID: <XCCs4.1774$vm5.46453@newsread2.prod.itd.earthlink.net>#1/1
X-Deja-AN: 588541872
References: <7Jhs4.2498$gE6.261489@news1.rdc2.tx.home.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread2.prod.itd.earthlink.net 951252535 208.58.169.177 (Tue, 22 Feb 2000 12:48:55 PST)
Organization: EarthLink Network, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Tue, 22 Feb 2000 12:48:55 PST
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc

Well... Mobile to mobile good luck. Not too likely, unless you go 'external' through a repeater. In that case, it's strictly a repeater coverage issue. With 45W, you'd be on the 'strong side' of the statement that 'If you can hear it, you can work it' with most repeaters.

Mobile to mobile is going to be degraded by the terain, and as flat as it looks, it just ain't. Buildings and slight variances in terrain are going to get you as well. 30 miles, well, maybe, IF it were really 'flat' and IF you had fairly unobstructed path...

But if you have a repeater, over 'relatively' flat terrain, just getting

100' in the air and 30 miles is easy. That's FROM the repeater. I couldn't run mobile to mobile from my home about 15 mi north of Ft Worth to even downtown Ft Worth, but had no problem at all running the same distace from my car to a friends house with the antenna first 40' then later over 60' in the air. We made our own repeater and routinely worked through it with 1W from 15 miles away using our HTs. But his 'base' was 60'+ in the air. (This was both 2M and 220.)

Mike

Matthew Walton <matt@okdirect.com> wrote in message
news:7Jhs4.2498$gE6.261489@news1.rdc2.tx.home.com...

> A buddy of mine and I are wanting a means of reliable, mobile 2-way communication throughout Oklahoma City....I'm looking, in particular, at the Radio Shack HTX-242, a 45 watt 2 meter radio. I'm hoping for a range of 30 miles or so.
>
> Is this unrealistic? I'm totally unfamiliar with ham radio and would appreciate any advice anyone might have to offer. Thanks..
>
> Matthew Walton
> matt@okdirect.com
>

From 7806454845940323498
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,60ec5b079581e856
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,60ec5b079581e856
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,60ec5b079581e856
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,60ec5b079581e856
X-Google-Attributes: gidfa656,public
From: Grace Cunningham <johngrac@surfsouth.com>
Subject: Re: 2 meter 45-watt range
Date: 2000/02/22
Message-ID: <38B35E1D.B07@surfsouth.com>#1/1
X-Deja-AN: 588685058
Content-Transfer-Encoding: 7bit
References: <7Jhs4.2498$gE6.261489@news1.rdc2.tx.home.com>
Content-Type: text/plain; charset=us-ascii
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
X-Complaints-To: abuse@GigaNews.Com
X-Trace: sv2-Vy78fmvNuXlTpvLq5zy1qVzjD7NLaFRYSSvsi9hXpBVYPeZf7z/

5x2ApDPx22N1NiSnvjBEDMMBexwb!sLVMPR7lg6h30J5Dj9URHU1AZqT6y7e9
Organization: Giganews.Com - Premium News Outsourcing
MIME-Version: 1.0
Reply-To: johngrac@surfsouth.com
NNTP-Posting-Date: Tue, 22 Feb 2000 22:09:35 CST
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc

Matthew Walton wrote:
>
> A buddy of mine and I are wanting a means of reliable, mobile 2-way
> communication throughout Oklahoma City....I'm looking, in particular, at the
> Radio Shack HTX-242, a 45 watt 2 meter radio. I'm hoping for a range of 30
> miles or so.
>
> Is this unrealistic? I'm totally unfamiliar with ham radio and would
> appreciate any advice anyone might have to offer. Thanks..
>
> Matthew Walton
> matt@okdirect.com

Base to base (45 watt rigs) homemade j-poles or quads, put them up 20'
or so I bet you'll have good luck! KE4QOP John

From 6793643631684045011
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,60ec5b079581e856
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,60ec5b079581e856
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,60ec5b079581e856
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,60ec5b079581e856
X-Google-Attributes: gid107ada,public
From: "Matthew Walton" <matt@okdirect.com>
Subject: Re: 2 meter 45-watt range
Date: 2000/02/23
Message-ID: <lPRs4.77$t7.6239@news1.rdc2.tx.home.com>#1/1
X-Deja-AN: 588837568
References: <7Jhs4.2498$gE6.261489@news1.rdc2.tx.home.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.tx.home.com 951314769 24.4.98.10 (Wed, 23 Feb 2000 06:06:09 PST)
Organization: @Home Network
X-MSMail-Priority: Normal
NNTP-Posting-Date: Wed, 23 Feb 2000 06:06:09 PST
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc

BTW...A reply to all of the nasty e-mails I received from people. I have no

intention of going on the air without a license...I merely wanted to see if
going to the trouble of getting a license and spending the money on a radio
would be worth it.

Chill out, folks..:-)

Matthew Walton
matt@okdirect.com

"Matthew Walton" <matt@okdirect.com> wrote in message
news:7Jhs4.2498$gE6.261489@news1.rdc2.tx.home.com...
> A buddy of mine and I are wanting a means of reliable, mobile 2-way
> communication throughout Oklahoma City....I'm looking, in particular, at
the
> Radio Shack HTX-242, a 45 watt 2 meter radio. I'm hoping for a range of
30
> miles or so.
>
> Is this unrealistic? I'm totally unfamiliar with ham radio and would
> appreciate any advice anyone might have to offer. Thanks..
>
> Matthew Walton
> matt@okdirect.com
>
>
>

From -3225700740484882217
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,60ec5b079581e856
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,60ec5b079581e856
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,60ec5b079581e856
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,60ec5b079581e856
X-Google-Attributes: gidfa656,public
From: David <david@wtit.net>
Subject: Re: 2 meter 45-watt range
Date: 2000/02/23
Message-ID: <38B40EC5.A42FEEC6@wtit.net>#1/1
X-Deja-AN: 588852742
Content-Transfer-Encoding: 7bit
References: <7Jhs4.2498$gE6.261489@news1.rdc2.tx.home.com>
<lPRs4.77$t7.6239@news1.rdc2.tx.home.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: pm02news 951317289 166.35.226.102 (Wed, 23 Feb 2000 14:48:09 GMT)
MIME-Version: 1.0

NNTP-Posting-Date: Wed, 23 Feb 2000 14:48:09 GMT
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc

What do you mean "Going to the trouble"? There is no trouble
getting at least the beginners license.   If doing a little work,
and I do mean little, then it really didn't mean much to you and you
should really look at getting NEXTEL radios.

David

Matthew Walton wrote:
>
> BTW...A reply to all of the nasty e-mails I received from people. I have no
> intention of going on the air without a license...I merely wanted to see if
> going to the trouble of getting a license and spending the money on a radio
> would be worth it.
>
> Chill out, folks..:-)
>
> Matthew Walton
> matt@okdirect.com
>
> "Matthew Walton" <matt@okdirect.com> wrote in message
> news:7Jhs4.2498$gE6.261489@news1.rdc2.tx.home.com...
> > A buddy of mine and I are wanting a means of reliable, mobile 2-way
> > communication throughout Oklahoma City....I'm looking, in particular, at
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> > Radio Shack HTX-242, a 45 watt 2 meter radio. I'm hoping for a range of
> 30
> > miles or so.
> >
> > Is this unrealistic? I'm totally unfamiliar with ham radio and would
> > appreciate any advice anyone might have to offer. Thanks..
> >
> > Matthew Walton
> > matt@okdirect.com
> >
> >
> >

From 7566380343320139041
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,60ec5b079581e856
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,60ec5b079581e856
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,60ec5b079581e856

```
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,60ec5b079581e856
X-Google-Attributes: gidfa656,public
From: "dm" <dmandjos@olypen.com>
Subject: Re: 2 meter 45-watt range
Date: 2000/02/23
Message-ID: <o8Us4.36768$0p1.879388@news4.giganews.com>#1/1
X-Deja-AN: 588895247
References: <7Jhs4.2498$gE6.261489@news1.rdc2.tx.home.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
X-Complaints-To: abuse@GigaNews.Com
X-Trace: sv2-vke3AzCYw5Lb8eK27OZk/g8wC7H5FXEKJkjUaXF5QKae/
bPFVb5ntNszIaEhApqJ8FFaXcFCQ1Cv73y!N3235fbb99O4ZFPYN2MIOPw4sTQ=
Organization: Giganews.Com - Premium News Outsourcing
NNTP-Posting-Date: Wed, 23 Feb 2000 10:45:08 CST
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc

P.S.------

In another era, I was on a ship that worked aircraft out, beyond radar
range....say  250 miles, on  243 Mc....day in and day out...RUNNING  from  8
to 12  Watts!

The propagational path loss is truly trivial at VHF/UHF...BUT  the Terrain
loss, due to the obstacles the others mention is a HARD fact.

Get the "ticket", get on air, and suprize yourself....      "DM"





From -6875611926245384891
X-Google-Language: Japanese,JIS
X-Google-Thread: 10c9e3,226bf89c11888f57,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f8110,226bf89c11888f57,start
X-Google-Attributes: gidf8110,public
X-Google-Thread: fddbf,226bf89c11888f57,start
X-Google-Attributes: gidfddbf,public
From: HIDE <hide-taki@geocities.co.jp>
Subject: =?iso-2022-jp?B?UkJCUxskQjE/TVElXiVLJWUlIiVrGyhCMxskQiEhQzUkNyRGGyhC?= =?
iso-2022-jp?B?GyRCJCQkXiQ5ISobKEI=?=
Date: 2000/02/24
Message-ID: <38B415EB.99F8F44@geocities.co.jp>#1/1
X-Deja-AN: 588916280
Content-Transfer-Encoding: 7bit
X-Accept-Language: de,en,en-US,en-GB,is,zh-TW
Content-Type: text/plain; charset=iso-2022-jp
X-Complaints-To: usenet@news.zaq.ne.jp
X-Trace: nsv1002.zaq.ne.jp 951326188 6152 210.191.52.52 (23 Feb 2000 17:16:28 GMT)
```

```
Organization: ZAQ Internet Service
Mime-Version: 1.0
NNTP-Posting-Date: 23 Feb 2000 17:16:28 GMT
Newsgroups: rec.ham-radio.packet,rec.ham-radio,japan.ham-radio


$B!!$3$s$P$s$O!#(B

$B!!#K#D#N$,0JA0$K=PHG$7$^$7$?!V(BRBBS$B1?MQ%^%K%e%"%k(B3$B!W$r>y$C$FD:$1$k(B
$BJ}$rC5$7$F$$$^$9!#?7IJ$G$J$/$F$b7k9=$G$9$N$G$h$m$7$/$*4j$$$7$^$9!#(B
$B$b$A$m$sBe6b!&AwNA$O$*J'$$$7$^$9!#(B
$B>y$C$F$$$?$@$1$kJ}$O%a!<%k$G$*$M$,$$$7$^$9!#(B

$B!t>/$7A0$K!V8+$D$+$j$^$7$?!W$H$$$&;]$r=q$-9~$_$^$7$?$,(B
$B!t@hJ}$,#2$H#3$r4V0c$($F$*$i$l$^$7$F!"$^$?C5$7;O$a$^$7$?!#(B
$B!t$*4j$$$7$^$9!#(B

---------
HIDE <hide-taki@geocities.co.jp>




From -4343903945167201817
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,60ec5b079581e856
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,60ec5b079581e856
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,60ec5b079581e856
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,60ec5b079581e856
X-Google-Attributes: gidfa656,public
From: "Al, N2NKB" <n2nkb@n2nkb@postoffice.worldnet.att.net>
Subject: Re: 2 meter 45-watt range
Date: 2000/02/24
Message-ID: <aN0t4.10495$PA2.879629@bgtnsc06-news.ops.worldnet.att.net>#1/1
X-Deja-AN: 589111914
References: <7Jhs4.2498$gE6.261489@news1.rdc2.tx.home.com>
<lPRs4.77$t7.6239@news1.rdc2.tx.home.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Complaints-To: abuse@worldnet.att.net
X-Trace: bgtnsc06-news.ops.worldnet.att.net 951359686 12.79.26.10 (Thu, 24 Feb
2000 02:34:46 GMT)
Organization: AT&T Worldnet
NNTP-Posting-Date: Thu, 24 Feb 2000 02:34:46 GMT
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc


Matthew Walton wrote in message ...
>BTW...A reply to all of the nasty e-mails I received from people.  I have no
>intention of going on the air without a license...I merely wanted to see if
>going to the trouble of getting a license and spending the money on a radio
```

>would be worth it.
>
>Chill out, folks..:-)
>
>Matthew Walton
>matt@okdirect.com

Matt,
The last thing that most hams want to do is discourage you away from ham radio.
I'm sorry that
you received nasty e-mails. The 30 mile range is testing the limit- if you have flat terrain, decent rigs,
and resonant antennas, you stand a good chance for communication.
If you are in a noisy, hilly environment, you may have a problem without the use of a local repeater.
In my area of NJ, it is difficult to support a direct 30 mile range with mobile setups.
Local amateur radio clubs can help you study for the test and get you set up.
Good luck.
Al

From -763336824129628660
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,60ec5b079581e856
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,60ec5b079581e856
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,60ec5b079581e856
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,60ec5b079581e856
X-Google-Attributes: gidfa656,public
From: "Mike Yetsko" <joe@user.com>
Subject: Re: 2 meter 45-watt range
Date: 2000/02/24
Message-ID: <9Ybt4.383$7c2.6396@newsread2.prod.itd.earthlink.net>#1/1
X-Deja-AN: 589336946
References: <7Jhs4.2498$gE6.261489@news1.rdc2.tx.home.com> <lPRs4.77$t7.6239@news1.rdc2.tx.home.com> <aN0t4.10495$PA2.879629@bgtnsc06-news.ops.worldnet.att.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: abuse@earthlink.net
X-Trace: newsread2.prod.itd.earthlink.net 951405445 208.58.169.177 (Thu, 24 Feb 2000 07:17:25 PST)
Organization: EarthLink Network, Inc.
X-MSMail-Priority: Normal
NNTP-Posting-Date: Thu, 24 Feb 2000 07:17:25 PST
Newsgroups: rec.ham-

radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc

Mathew,

I agree with AL. But just remember, he said 'most HAMs'. HAM radio
is nothing more than a cross section of society. In some cases, there
are a higher percentage of certain types of people, but basically you
get all types. Including those that will assume the worst and be
idiots.

But there will also be a lot of people who WILL welcome you and
smooth your path if you decide to get that ticket.

Just as there are "*" in society, there will be "*" in HAM radio.

Mike
N1DVJ

Al, N2NKB <n2nkb@n2nkb@postoffice.worldnet.att.net> wrote in message
news:aN0t4.10495$PA2.879629@bgtnsc06-news.ops.worldnet.att.net...
>
> Matthew Walton wrote in message ...
> >BTW...A reply to all of the nasty e-mails I received from people. I
have no
> >intention of going on the air without a license...I merely wanted to
see if
> >going to the trouble of getting a license and spending the money on a
radio
> >would be worth it.
> >
> >Chill out, folks..:-)
> >
> >Matthew Walton
> >matt@okdirect.com
>
>
> Matt,
> The last thing that most hams want to do is discourage you away from
ham radio. I'm sorry that
> you received nasty e-mails. The 30 mile range is testing the limit-
if you have flat terrain, decent rigs,
> and resonant antennas, you stand a good chance for communication.
> If you are in a noisy, hilly environment, you may have a problem
without the use of a local repeater.
> In my area of NJ, it is difficult to support a direct 30 mile range
with mobile setups.
> Local amateur radio clubs can help you study for the test and get you
set up.
> Good luck.
> Al

From -3118974182908187483
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,60ec5b079581e856
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,60ec5b079581e856
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,60ec5b079581e856
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,60ec5b079581e856
X-Google-Attributes: gidfa656,public
From: "Colin" <cdrcolin@yahoo.com>
Subject: Re: 2 meter 45-watt range
Date: 2000/02/24
Message-ID: <%ect4.9361$w7.310264@news1.usenetserver.com>#1/1
X-Deja-AN: 589344306
References: <7Jhs4.2498$gE6.261489@news1.rdc2.tx.home.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
X-Complaints-To: admin@usenetserver.com
Organization: UseNet Server, Inc. http://www.usenetserver.com - Home of the fastest NNTP servers on the Net.
NNTP-Posting-Date: Thu, 24 Feb 2000 10:37:31 EST
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc

Hmm, invest in the Gordon West no-code book first. Take it home, do some studying. Then call
around and find out when the next VEC testing is in your area. Then go take the test, pass it, and get
you license from the FCC. Then I'm sure you'll have no problem communicating.
73 de N0VSJ
Matthew Walton wrote in message
<7Jhs4.2498$gE6.261489@news1.rdc2.tx.home.com>...
>A buddy of mine and I are wanting a means of reliable, mobile 2-way
>communication throughout Oklahoma City....I'm looking, in particular, at the
>Radio Shack HTX-242, a 45 watt 2 meter radio. I'm hoping for a range of 30
>miles or so.
>
>Is this unrealistic? I'm totally unfamiliar with ham radio and would
>appreciate any advice anyone might have to offer. Thanks..
>
>Matthew Walton
>matt@okdirect.com
>
>
>

From 8319132453856224597
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,60ec5b079581e856
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,60ec5b079581e856
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,60ec5b079581e856
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,60ec5b079581e856
X-Google-Attributes: gid107ada,public
From: "Colin" <cdrcolin@yahoo.com>
Subject: Re: 2 meter 45-watt range
Date: 2000/02/24
Message-ID: <0fct4.9362$w7.310264@news1.usenetserver.com>#1/1
X-Deja-AN: 589344316
References: <7Jhs4.2498$gE6.261489@news1.rdc2.tx.home.com>
<lPRs4.77$t7.6239@news1.rdc2.tx.home.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
X-Complaints-To: admin@usenetserver.com
Organization: UseNet Server, Inc. http://www.usenetserver.com - Home of the fastest NNTP servers on the Net.
NNTP-Posting-Date: Thu, 24 Feb 2000 10:37:32 EST
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc

Of course it is, if 2 meters don't work, try another band.
Matthew Walton wrote in message ...
>BTW...A reply to all of the nasty e-mails I received from people. I have no
>intention of going on the air without a license...I merely wanted to see if
>going to the trouble of getting a license and spending the money on a radio
>would be worth it.
>
>Chill out, folks..:-)
>
>Matthew Walton
>matt@okdirect.com
>
>"Matthew Walton" <matt@okdirect.com> wrote in message
>news:7Jhs4.2498$gE6.261489@news1.rdc2.tx.home.com...
>> A buddy of mine and I are wanting a means of reliable, mobile 2-way
>> communication throughout Oklahoma City....I'm looking, in particular, at
>the
>> Radio Shack HTX-242, a 45 watt 2 meter radio. I'm hoping for a range of
>30
>> miles or so.

>>
>> Is this unrealistic? I'm totally unfamiliar with ham radio and would
>> appreciate any advice anyone might have to offer. Thanks..
>>
>> Matthew Walton
>> matt@okdirect.com
>>
>>
>>
>
>

From 1448932115873535101
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,60ec5b079581e856
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,60ec5b079581e856
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,60ec5b079581e856
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,60ec5b079581e856
X-Google-Attributes: gid107ada,public
From: BamBam <kl0an@my-deja.com>
Subject: Re: 2 meter 45-watt range
Date: 2000/03/01
Message-ID: <89hooi$l32$1@nnrp1.deja.com>#1/1
X-Deja-AN: 591537821
References: <7Jhs4.2498$gE6.261489@news1.rdc2.tx.home.com>
X-Http-Proxy: 1.0 x39.deja.com:80 (Squid/1.1.22) for client 131.39.248.2
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Wed Mar 01 00:37:38 2000 GMT
X-MyDeja-Info: XMYDJUIDkl0an
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc
X-Http-User-Agent: Mozilla/4.0 (compatible; MSIE 5.0; Windows NT; DigExt)

Matthew,

You've started quite a conversation here and most of it looks very informative. One of the first replies talked about getting your no-code tech license from your local amateur radio club and that's very sound advice. As well is the advice on the 2 meter mobile you were interested in. I own one HTX-242 and also it's earlier version the HTX-212. Both are fine radios.

Also mentioned earlier were repeaters and a great discussion followed. I don't know if anyone took the time to explain what a repeater is but basically, it's one of these building top or mountain top locations that has a radio that recieves your signal and repeats it using a better antenna than your mobile and also a lot more wattage usually. They are mostly run on duplex which means your radio transmits on one frequency and recieves on another.. You don't have to worry about all that once you put the frequencies into memory.. It's all fairly easy and is explained in the manuals from Radio Shack.

I myself have worked a repeater from 65 miles away with my 5 watt handheld plugged into a simple magnetic mount antenna on the roof of my truck. Now let me give a little more info on that repeater I worked. It's part of the repeater network here in interior Alaska that covers over 60,000 square miles. Most of that area is primarily occupied by Moose and Bears but, it's nice to know that if you happen to ride out there on a snowmachine or 4 wheeler, you can always get help if you need it. Here's an address you can look at to see what kind of coverage a really good repeater network has.

http://www.admin.uaf.edu/aarc/AARCrptmap.html

Most of our repeaters are linked together so that I've been able to talk over 300 miles with just my mobile radio and a magnetic mount antenna. It all depends on your local club and the cooperation they might have with other clubs. The network we currently have is sponsored primarily from our club with some help from our parent club in Anchorage.

Another nice feature with a lot of repeaters is the ability to do what is called an autopatch. This allows you to make non-business related calls thru your radio and the repeater. Great for telling your friend to turn on his radio or to call the missus and see if she needs you to get eggs or to call a tow truck when you're stuck.

Well, hopefully I was able to shed a little light on this subject and not totally confuse you. If you have any questions, don't hesitate to ask.

Paul Jordan
Fairbanks, AK
kl0an

In article <7Jhs4.2498$gE6.261489@news1.rdc2.tx.home.com>,
  "Matthew Walton" <matt@okdirect.com> wrote:
> A buddy of mine and I are wanting a means of reliable, mobile 2-way
> communication throughout Oklahoma City....I'm looking, in particular,
at the
> Radio Shack HTX-242, a 45 watt 2 meter radio. I'm hoping for a range
of 30
> miles or so.
>
> Is this unrealistic? I'm totally unfamiliar with ham radio and would
> appreciate any advice anyone might have to offer. Thanks..
>

> Matthew Walton
> matt@okdirect.com
>
>

--
Don't Sweat the Petty Things.
Don't Pet the Sweaty Things.

Sent via Deja.com http://www.deja.com/
Before you buy.

From -6805632051033709019
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b0d53b6784d58fb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,6b0d53b6784d58fb
X-Google-Attributes: gid1109af,public
From: "Steeve Boulianne" <steve.boulianne2@sympatico.ca>
Subject: Re: TH 27A Help
Date: 2000/03/03
Message-ID: <xsWv4.18330$e53.673388@news20.bellglobal.com>#1/1
X-Deja-AN: 592841967
References: <38A391FE.7F3A2929@home.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: news20.bellglobal.com 952120221 216.209.161.156 (Fri, 03 Mar 2000 16:50:21 EST)
Organization: Sympatico
X-MSMail-Priority: Normal
NNTP-Posting-Date: Fri, 03 Mar 2000 16:50:21 EST
Newsgroups: rec.ham-radio,rec.radio.swap

Hi John,
I have exactly the same problem as you. I've stored my radio for a couple of years (2 or 3) and now the keyboard doesn't work. I ear squelch but I cannot choose any frequency and enter anything. The only thing I see is memory 36.
I think that the thing to do is to make a reset of the CPU but I don't know how. And I don't have my manual in which this is probably explained.

If you find how to do this, please let me know.

steeveboulianne@hotmail.com

Steeve VE2SBO

From -713945831487182962
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b0d53b6784d58fb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,6b0d53b6784d58fb
X-Google-Attributes: gid1109af,public
From: "Clif Holland" <clif@avvid.com>
Subject: Re: TH 27A Help
Date: 2000/03/03
Message-ID: <LJYv4.9530$MD3.13006@dfw-read.news.verio.net>#1/1
X-Deja-AN: 592892896
References: <38A391FE.7F3A2929@home.com>
<xsWv4.18330$e53.673388@news20.bellglobal.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Complaints-To: abuse@verio.net
X-Trace: dfw-read.news.verio.net 952129515 206.50.200.251 (Sat, 04 Mar 2000 00:25:15 GMT)
Organization: AVVid
NNTP-Posting-Date: Sat, 04 Mar 2000 00:25:15 GMT
Newsgroups: rec.ham-radio,rec.radio.swap

Hold down the "M" key and power the radio up. That will reset it.

--
Clif Holland KA5IPF
Owner of AVVid, an Authorized Kenwood and Icom Service Center
For more information visit my website at:
http://www.avvid.com
or call 1-800-214-5779
Steeve Boulianne wrote in message ...
>Hi John,
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>of years (2 or 3) and now the keyboard doesn't work. I ear squelch but I
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>memory 36.
>I think that the thing to do is to make a reset of the CPU but I don't know
>how. And I don't have my manual in which this is probably explained.
>
>If you find how to do this, please let me know.
>
>steeveboulianne@hotmail.com
>
>Steeve VE2SBO
>
>

From -6042484403958625878
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: horse_personn@hotmail.com (Bazza Magoo)
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/03/04
Message-ID: <38bf94ca.11337372@news.dingoblue.net.au>#1/1
X-Deja-AN: 592902872
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<144c6bb2.622261f4@usw-ex0101-007.remarq.com>
<87ljtp$1ckc$1@node17.cwnet.frontiernet.net>
<WF1o4.440$xc6.417@newsfeed.slurp.net>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@optusnet.com.au
X-Trace: news1.mpx.com.au 952131659 29867 198.142.212.19 (4 Mar 2000 01:00:59 GMT)
Organization: None
Mime-Version: 1.0
Reply-To: horse_personn@hotmail.com
NNTP-Posting-Date: 4 Mar 2000 01:00:59 GMT
Newsgroups: rec.radio.amateur.antenna,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment

On Tue, 8 Feb 2000 18:36:43 -0500, "SCOTT LOGUE" <hml@penn.com> wrote:

>    i wouldn't say we hams are a dying breed. just listen to 40 or 80
>meters!!!!  plenty of action

Certainly 80 meters all banging against the end stop at once would make a fair
racket.
```

```
From -7764689804778747384
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e5d00bbfc461331,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,7e5d00bbfc461331,start
X-Google-Attributes: gidfc2a5,public
From: "n8tgc" <nospam_arnaut@prodigy.net>
Subject: NE602
Date: 2000/03/04
Message-ID: <89rklu$a45g$1@newssvr03-int.news.prodigy.com>#1/1
X-Deja-AN: 593189486
X-Mimeole: Produced By Microsoft MimeOLE V4.72.3110.3
X-Complaints-To: abuse@prodigy.com
X-Trace: newssvr03-int.news.prodigy.com 952194558 4479978 209.255.81.191 (4 Mar
```

2000 18:29:18 GMT)
Organization: Prodigy Internet http://www.prodigy.com
NNTP-Posting-Date: 4 Mar 2000 18:29:18 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur.homebrew

Does anyone have a datafile or specsheet on the NE602 mixer IC? I am working on a couple of projects where the 602 would work great, I just need a bit more info.

If you can lend a hand..Thanks!

73
N8TGC

From 7499330103437913114
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e5d00bbfc461331
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,7e5d00bbfc461331
X-Google-Attributes: gidfc2a5,public
From: Laura Halliday <va3ldh@sympatico.ca>
Subject: Re: NE602
Date: 2000/03/05
Message-ID: <38C1B105.DA407287@sympatico.ca>#1/1
X-Deja-AN: 593255978
Content-Transfer-Encoding: 7bit
References: <89rklu$a45g$1@newssvr03-int.news.prodigy.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: news20.bellglobal.com 952217567 209.226.188.103 (Sat, 04 Mar 2000 19:52:47 EST)
Organization: What's that?
MIME-Version: 1.0
NNTP-Posting-Date: Sat, 04 Mar 2000 19:52:47 EST
Newsgroups: rec.ham-radio,rec.radio.amateur.homebrew

n8tgc wrote:
>
> Does anyone have a datafile or specsheet on the NE602 mixer IC? I am
> working on a couple of projects where the 602 would work great, I just need
> a bit more info.

Every semiconductor manufacturer has had all this stuff on line for
ages.
Do a search at http://www.semiconductors.philips.com
--
Laura Halliday VA3LDH   "Laisse le vent tout emporter..."

Grid: FN03gs   - Foly/Viennet

From 7925573279963244702
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e5d00bbfc461331
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,7e5d00bbfc461331
X-Google-Attributes: gidfc2a5,public
From: "n8tgc" <nospam_arnaut@prodigy.net>
Subject: Re: NE602
Date: 2000/03/05
Message-ID: <89u1sh$12fk$1@newssvr04-int.news.prodigy.com>#1/1
X-Deja-AN: 593454396
References: <89rklu$a45g$1@newssvr03-int.news.prodigy.com>
<38C1B105.DA407287@sympatico.ca>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Complaints-To: abuse@prodigy.net
X-Trace: newssvr04-int.news.prodigy.com 952273617 4479978 209.252.215.165 (5 Mar 2000 16:26:57 GMT)
Organization: Prodigy Internet http://www.prodigy.com
NNTP-Posting-Date: 5 Mar 2000 16:26:57 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur.homebrew

Yea, I already thought of that. However the NE602 is NOT a Phillips manufactured chip. Therefore they only have a collection of application notes. They do not have a complete specsheet on the device.

N8TGC

>Every semiconductor manufacturer has had all this stuff on line for
>ages.
>Do a search at http://www.semiconductors.philips.com
>--
>Laura Halliday VA3LDH   "Laisse le vent tout emporter..."
>Grid: FN03gs   - Foly/Viennet

From -2481566323537109777
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e5d00bbfc461331
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,7e5d00bbfc461331
X-Google-Attributes: gidfc2a5,public
From: LA8AK@online.no (J M Noeding)
Subject: Re: NE602
Date: 2000/03/05

Message-ID: <38c29a80.55014090@news.online.no>#1/1
X-Deja-AN: 593510493
References: <89rklu$a45g$1@newssvr03-int.news.prodigy.com>
<38C1B105.DA407287@sympatico.ca> <89u1sh$12fk$1@newssvr04-int.news.prodigy.com>
X-Complaints-To: news-abuse@online.no
X-Trace: news1.online.no 952283866 130.67.124.132 (Sun, 05 Mar 2000 20:17:46 MET)
Organization: LA8AK
Reply-To: LA8AK@Online.NO
NNTP-Posting-Date: Sun, 05 Mar 2000 20:17:46 MET
Newsgroups: rec.ham-radio,rec.radio.amateur.homebrew

On Sun, 5 Mar 2000 11:25:05 -0500, "n8tgc" <nospam_arnaut@prodigy.net>
wrote:

>
>Yea, I already thought of that. However the NE602 is NOT a Phillips
>manufactured chip. Therefore they only have a collection of application
>notes. They do not have a complete specsheet on the device.
>
>N8TGC
>
>
perhaps since it is obsolete, try SA602 or NE612

LA8AK

From -2772395075715631261
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e5d00bbfc461331
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,7e5d00bbfc461331
X-Google-Attributes: gidfc2a5,public
From: mzenier@netcom.com (Mark Zenier)
Subject: Re: NE602
Date: 2000/03/05
Message-ID: <8a0nmb$vcc$1@nntp5.atl.mindspring.net>#1/1
X-Deja-AN: 593868469
References: <89rklu$a45g$1@newssvr03-int.news.prodigy.com>
<38C1B105.DA407287@sympatico.ca> <89u1sh$12fk$1@newssvr04-int.news.prodigy.com>
Organization: MindSpring Enterprises
X-Server-Date: 6 Mar 2000 16:51:23 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur.homebrew

In article <89u1sh$12fk$1@newssvr04-int.news.prodigy.com>,
n8tgc <nospam_arnaut@prodigy.net> wrote:
>
>Yea, I already thought of that. However the NE602 is NOT a Phillips
>manufactured chip.

Yes it it. Signetics has been owed by Philips since the early 1970's.
Back in the late '80s, they dumped their various regional names

(Signetics, Mullard, Valvo, ...) in favor of the worldwide use of Philips.

>Therefore they only have a collection of application
>notes. They do not have a complete specsheet on the device.

Try looking under the extended temperature range number, SA602, I think.

Mark Zenier mzenier@eskimo.com mzenier@netcom.com Washington State resident

From 3215118982496359681
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,60ec5b079581e856
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,60ec5b079581e856
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,60ec5b079581e856
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,60ec5b079581e856
X-Google-Attributes: gidfa656,public
From: Tom Mills <tmills@flash.net>
Subject: Re: 2 meter 45-watt range
Date: 2000/03/06
Message-ID: <38C33ACD.315294FF@flash.net>#1/1
X-Deja-AN: 593672598
Content-Transfer-Encoding: 7bit
References: <7Jhs4.2498$gE6.261489@news1.rdc2.tx.home.com>
<lPRs4.77$t7.6239@news1.rdc2.tx.home.com>
X-Accept-Language: en,pdf
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@flash.net
X-Trace: news.flash.net 952318650 209.30.190.40 (Sun, 05 Mar 2000 22:57:30 CST)
Organization: FlashNet Communications, http://www.flash.net
MIME-Version: 1.0
NNTP-Posting-Date: Sun, 05 Mar 2000 22:57:30 CST
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc

A point, I think, everyone has failed to note here is the purpose of the communications. If Matthew is looking for any type of business communications, he needs to use business band or CB (class A on 450 MHz thru a repeater would work great). If he only want to keep in touch with his friend, ham radio is great, providing they both have licenses.

Tom

Matthew Walton wrote:

> BTW...A reply to all of the nasty e-mails I received from people. I have no
> intention of going on the air without a license...I merely wanted to see if

> going to the trouble of getting a license and spending the money on a radio
> would be worth it.
>
> Chill out, folks..:-)
>
> Matthew Walton
> matt@okdirect.com
>
> "Matthew Walton" <matt@okdirect.com> wrote in message
> news:7Jhs4.2498$gE6.261489@news1.rdc2.tx.home.com...
> > A buddy of mine and I are wanting a means of reliable, mobile 2-way
> > communication throughout Oklahoma City....I'm looking, in particular, at
> the
> > Radio Shack HTX-242, a 45 watt 2 meter radio. I'm hoping for a range of
> 30
> > miles or so.
> >
> > Is this unrealistic? I'm totally unfamiliar with ham radio and would
> > appreciate any advice anyone might have to offer. Thanks..
> >
> > Matthew Walton
> > matt@okdirect.com
> >
> >
> >

From -1399808716144665138
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e5d00bbfc461331
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,7e5d00bbfc461331
X-Google-Attributes: gidfc2a5,public
From: "OX3IO" <ox3io@vind.gl>
Subject: Re: NE602
Date: 2000/03/06
Message-ID: <U4Nw4.92$Ow4.99@news.get2net.dk>#1/1
X-Deja-AN: 593769342
References: <89rklu$a45g$1@newssvr03-int.news.prodigy.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: abuse@uni2.dk
X-Trace: news.get2net.dk 952343988 194.177.240.72 (Mon, 06 Mar 2000 12:59:48 MET
DST)
Organization: UNI2 Internet Kunde
X-MSMail-Priority: Normal
NNTP-Posting-Date: Mon, 06 Mar 2000 12:59:48 MET DST
Newsgroups: rec.ham-radio,rec.radio.amateur.homebrew

It is possible to find the datasheet for the NE602 at Philips - they are
just naming it SA602.

73 de OX3IO, Brian

n8tgc <nospam_arnaut@prodigy.net> wrote in message
news:89rklu$a45g$1@newssvr03-int.news.prodigy.com...
>   Does anyone have a datafile or specsheet on the NE602 mixer IC? I am
> working on a couple of projects where the 602 would work great, I just
need
> a bit more info.
>
>   If you can lend a hand..Thanks!
>
>
> 73
> N8TGC
>
>
>

From -8198990447544129724
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e5d00bbfc461331
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,7e5d00bbfc461331
X-Google-Attributes: gidfc2a5,public
From: Laura Halliday <va3ldh@sympatico.ca>
Subject: Re: NE602
Date: 2000/03/06
Message-ID: <38C3B7E0.7DC8F7DD@sympatico.ca>#1/1
X-Deja-AN: 593806603
Content-Transfer-Encoding: 7bit
References: <89rklu$a45g$1@newssvr03-int.news.prodigy.com>
<38C1B105.DA407287@sympatico.ca> <89u1sh$12fk$1@newssvr04-int.news.prodigy.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: news20.bellglobal.com 952350390 209.226.188.163 (Mon, 06 Mar 2000
08:46:30 EST)
Organization: What's that?
MIME-Version: 1.0
NNTP-Posting-Date: Mon, 06 Mar 2000 08:46:30 EST
Newsgroups: rec.ham-radio,rec.radio.amateur.homebrew

n8tgc wrote:

> Yea, I already thought of that. However the NE602 is NOT a Phillips
> manufactured chip. Therefore they only have a collection of application
> notes. They do not have a complete specsheet on the device.

   http://www.semiconductors.com/pip/NE602AD

Looks like a spec sheet to me.

The "Order now" links are often amusing - you can buy as many as
you like, as long as you buy them 550 at a time. :-)
--
Laura Halliday VA3LDH   "Laisse le vent tout emporter..."
Grid: FN03gs   - Foly/Viennet

From 7507665107961658499
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e5d00bbfc461331
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,7e5d00bbfc461331
X-Google-Attributes: gidfc2a5,public
From: "Geoffrey G. Rochat" <geoff@pkworks.com>
Subject: Re: NE602
Date: 2000/03/06
Message-ID: <8a0mf2$l38$1@news.kersur.net>#1/1
X-Deja-AN: 593864955
References: <89rklu$a45g$1@newssvr03-int.news.prodigy.com>
<38C1B105.DA407287@sympatico.ca> <89u1sh$12fk$1@newssvr04-int.news.prodigy.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Complaints-To: usenet@kersur.net
X-Trace: news.kersur.net 952360226 21608 216.67.2.19 (6 Mar 2000 16:30:26 GMT)
Organization: Kersur Technologies
NNTP-Posting-Date: 6 Mar 2000 16:30:26 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur.homebrew

Phillips has dropped the NE602 in favor of the SA602A, which is an
industrial-grade version of exactly the same thing. Take a look at
www.semiconductors.com/handbook/chapter_221.html.

n8tgc wrote in message <89u1sh$12fk$1@newssvr04-int.news.prodigy.com>...
>
>Yea, I already thought of that. However the NE602 is NOT a Phillips
>manufactured chip. Therefore they only have a collection of application
>notes. They do not have a complete specsheet on the device.
>
>N8TGC
>
>
>>Every semiconductor manufacturer has had all this stuff on line for
>>ages.
>>Do a search at http://www.semiconductors.philips.com
>>--
>>Laura Halliday VA3LDH   "Laisse le vent tout emporter..."
>>Grid: FN03gs   - Foly/Viennet
>
>

```
From 3108166742491152135
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e5d00bbfc461331
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,7e5d00bbfc461331
X-Google-Attributes: gidfc2a5,public
From: "Clifton T. Sharp Jr." <clifto@clifto.com>
Subject: Re: NE602
Date: 2000/03/06
Message-ID: <38C40E4C.3ECF527E@clifto.com>#1/1
X-Deja-AN: 593938716
Content-Transfer-Encoding: 7bit
References: <89rklu$a45g$1@newssvr03-int.news.prodigy.com>
<38C1B105.DA407287@sympatico.ca> <89u1sh$12fk$1@newssvr04-int.news.prodigy.com>
<8a0nmb$vcc$1@nntp5.atl.mindspring.net>
Content-Type: text/plain; charset=us-ascii
X-Abuse-Info: Please forward ALL headers when reporting abuse
X-Complaints-To: abuse@telocity.net
X-Trace:
LzA+UG9Ba3RoVW17ciBURVJPXVdUWS1SW0FEW0xTPiwvKDAyLCkwLy4wMSY1ID5TcXAyPi4oPk1/!
bD4sLi4uPi8vJCsnJCosPk5NSg==
Organization: as little as possible
MIME-Version: 1.0
NNTP-Posting-Date: Mon, 06 Mar 2000 11:59:42 PST
Newsgroups: rec.ham-radio,rec.radio.amateur.homebrew
```

Mark Zenier wrote:
> Yes it it. Signetics has been owed by Philips since the early 1970's.

Apparently not: <http://www.signetics.com/doc/history.html>

```
--
+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
|   Cliff Sharp   | "light jazz" is to jazz as "rubber band" is to orchestra. |
|      WA9PDM     |                                                           |
+-+-+-+-+-+-+-+-+-+- http://www.spamfree.org/ +-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
```

```
From -4085985620212234913
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,68da9a4744c88351,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1120e4,68da9a4744c88351,start
X-Google-Attributes: gid1120e4,public
X-Google-Thread: f5845,68da9a4744c88351,start
X-Google-Attributes: gidf5845,public
X-Google-Thread: fa656,68da9a4744c88351,start
X-Google-Attributes: gidfa656,public
```

X-Google-Thread: f64c6,68da9a4744c88351,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: f84e8,68da9a4744c88351,start
X-Google-Attributes: gidf84e8,public
X-Google-Thread: 11480d,68da9a4744c88351,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,68da9a4744c88351,start
X-Google-Attributes: gid107ada,public
From: "Andre" <pa5wx@amsat.org>
Subject: New RealAudiofiles from 6 meter PA-ZS
Date: 2000/03/08
Message-ID: <l3tx4.398$M31.25327@news.rdc1.ov.nl.home.com>#1/1
X-Deja-AN: 594707951
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@home.nl
X-Trace: news.rdc1.ov.nl.home.com 952524113 212.120.68.216 (Wed, 08 Mar 2000 15:01:53 MET)
Organization: @Home Network
X-MSMail-Priority: Normal
NNTP-Posting-Date: Wed, 08 Mar 2000 15:01:53 MET
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.digital,rec.radio.amateur.dx,rec.radio.amateur.misc,se.hobby.amatorradio,tnn.radio.amateur,uk.radio.amateur

Hello
I have new HamRadio RealAudio files from 6 meter contacts on 08-03-2000 with ZS.
Look at my homepage

http://www.qsl.net/pa5wx

'73 Andre

From -7617345151365018707
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e5d00bbfc461331
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,7e5d00bbfc461331
X-Google-Attributes: gidfc2a5,public
From: mzenier@netcom.com (Mark Zenier)
Subject: Re: NE602
Date: 2000/03/08
Message-ID: <8a64u0$b8$1@slb1.atl.mindspring.net>#1/1
X-Deja-AN: 594797153
References: <89rklu$a45g$1@newssvr03-int.news.prodigy.com> <89u1sh$12fk$1@newssvr04-int.news.prodigy.com> <8a0nmb$vcc$1@nntp5.atl.mindspring.net> <38C40E4C.3ECF527E@clifto.com>
Organization: MindSpring Enterprises

X-Server-Date: 8 Mar 2000 18:08:00 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur.homebrew

In article <38C40E4C.3ECF527E@clifto.com>,
Clifton T. Sharp Jr. <clifto@clifto.com> wrote:
>Mark Zenier wrote:
>> Yes it it. Signetics has been owed by Philips since the early 1970's.
>
>Apparently not: <http://www.signetics.com/doc/history.html>

Are you quibbling about the use of the name by Signetics Korea, a spun
off company that operates as a subcontrator for packaging and testing ICs,
or that 1975 is to be considered mid rather than "early 1970's"?

Mark Zenier mzenier@eskimo.com mzenier@netcom.com Washington State resident

---

From -5955848990638874399
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,68da9a4744c88351
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,68da9a4744c88351
X-Google-Attributes: gidfa656,public
X-Google-Thread: f84e8,68da9a4744c88351
X-Google-Attributes: gidf84e8,public
X-Google-Thread: 11480d,68da9a4744c88351
X-Google-Attributes: gid11480d,public
From: radio_oger@my-deja.com
Subject: Re: New RealAudiofiles from 6 meter PA-ZS
Date: 2000/03/08
Message-ID: <8a6ots$db3$1@nnrp1.deja.com>#1/1
X-Deja-AN: 594922950
References: <l3tx4.398$M31.25327@news.rdc1.ov.nl.home.com>
X-Http-Proxy: 1.0 x30.deja.com:80 (Squid/1.1.22) for client 204.215.203.142
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Wed Mar 08 23:49:18 2000 GMT
X-MyDeja-Info: XMYDJUIDradio_oger
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.digital,rec.radio.amateur.dx
X-Http-User-Agent: Mozilla/4.5 [en] (Win98; I)

But I have real 2 meter conversations of lids being gross and profane.

Here are some of the neet subjects talked about.

burning houses
machine guns
kicking ass
pissant punks
rotton radio oficers
needing the malitia to stop a radio war

```
and it just gets better

Come hear them all. You will laugh, and want to share them with all your
 friends as good ham radio protocal.


http://www.pittnet.com/claude/hamradio/ABufu.zip

Enjoy!!!

Radio Oger


In article <l3tx4.398$M31.25327@news.rdc1.ov.nl.home.com>,
  "Andre" <pa5wx@amsat.org> wrote:
> Hello
> I have new HamRadio RealAudio files from 6 meter contacts on
08-03-2000 with
> ZS.
> Look at my homepage
>
> http://www.qsl.net/pa5wx
>
> '73 Andre
>
>


Sent via Deja.com http://www.deja.com/
Before you buy.




From 1827403059530055220
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e5d00bbfc461331
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,7e5d00bbfc461331
X-Google-Attributes: gidfc2a5,public
From: mark pullen <mpullen@melbpc.org.au>
Subject: Re: NE602
Date: 2000/03/10
Message-ID: <38C85EB0.2649E78D@melbpc.org.au>#1/1
X-Deja-AN: 595440757
Content-Transfer-Encoding: 7bit
References: <89rklu$a45g$1@newssvr03-int.news.prodigy.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
Organization: Melbourne PC User Group Inc, Australia
Mime-Version: 1.0
Reply-To: @melbpc.org.au
Newsgroups: rec.ham-radio,rec.radio.amateur.homebrew
```

n8tgc wrote:

>   Does anyone have a datafile or specsheet on the NE602 mixer IC? I am
> working on a couple of projects where the 602 would work great, I just need
> a bit more info.
>
>   If you can lend a hand..Thanks!
>
> 73
> N8TGC

I have a copy of the data sheet for the NE602,what in particular did you need
to know?

From -8730967643283952772
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e5d00bbfc461331
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,7e5d00bbfc461331
X-Google-Attributes: gidfc2a5,public
From: "Clifton T. Sharp Jr." <clifto@clifto.com>
Subject: Re: NE602
Date: 2000/03/11
Message-ID: <38CAA52C.18C14EB2@clifto.com>#1/1
X-Deja-AN: 596192130
Content-Transfer-Encoding: 7bit
References: <89rklu$a45g$1@newssvr03-int.news.prodigy.com>
<89u1sh$12fk$1@newssvr04-int.news.prodigy.com>
<8a0nmb$vcc$1@nntp5.atl.mindspring.net> <38C40E4C.3ECF527E@clifto.com>
<8a64u0$b8$1@slb1.atl.mindspring.net>
Content-Type: text/plain; charset=us-ascii
X-Abuse-Info: Please forward ALL headers when reporting abuse
X-Complaints-To: abuse@telocity.net
X-Trace: MTk9Tm9BdXRoVXNlAiBURUw/
Q0lUWV1SRUFERVJTIEIxNl4yMjdeMTAuMTg1ICBTYQQsIDExIE1h!ciAyMDBAIDExOjU2OjU2IFBTVA==
Organization: as little as possible
MIME-Version: 1.0
NNTP-Posting-Date: Sat, 11 Mar 2000 11:56:56 PST
Newsgroups: rec.ham-radio,rec.radio.amateur.homebrew

Mark Zenier wrote:
> Clifton T. Sharp Jr. <clifto@clifto.com> wrote:
> >Mark Zenier wrote:
> >> Yes it it. Signetics has been owed by Philips since the early 1970's.
> >
> >Apparently not: <http://www.signetics.com/doc/history.html>
>

> Are you quibbling about the use of the name by Signetics Korea, a spun
> off company that operates as a subcontrator for packaging and testing ICs,
> or that 1975 is to be considered mid rather than "early 1970's"?

The web site gave me the impression that Philips sold Signetics to Keo Pyung Group.

```
--
+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
|   Cliff Sharp   | "light jazz" is to jazz as "rubber band" is to orchestra. |
|      WA9PDM     |                                                           |
+-+-+-+-+-+-+-+-+- http://www.spamfree.org/ +-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
```

From 6070343382971782502
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,5dd3b7c00bff6a09
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,a267b312c171ef84,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 103792,a267b312c171ef84,start
X-Google-Attributes: gid103792,public
X-Google-Thread: 10ddf1,a267b312c171ef84,start
X-Google-Attributes: gid10ddf1,public
X-Google-Thread: f76e2,a267b312c171ef84,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114a57,a267b312c171ef84,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: 1120e4,a267b312c171ef84,start
X-Google-Attributes: gid1120e4,public
From: Peter Dufour <hunk73@hotmail.com>
Subject: wanted: valves for BC 375
Date: 2000/03/18
Message-ID: <hunk73-2AF974.00190418032000@news.ams.chello.nl>#1/1
X-Deja-AN: 598956921
X-Complaints-To: abuse@a2000.nl
X-Trace: tesla.a2000.nl 953335145 5702 62.108.6.41 (17 Mar 2000 23:19:05 GMT)
Organization: A2000 Kabeltelevisie en Telecommunicatie
User-Agent: MT-NewsWatcher/3.0 (PPC)
NNTP-Posting-Date: 17 Mar 2000 23:19:05 GMT
Newsgroups: se.hobby.amatorradio,alt.ham-radio.hf,alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap,relcom.radio,relcom.radio.ham

Hi,

could anyone help me please in getting the valves for a WW-II BC 375 set:

I need
4 valves of type VT 4-C (also known as type 211), and
1 valve of type VT 25   (also known as type 210).

The VT 4-C is a triode (10 volts at 3,75 A, resp. 1250 volts), the VT 25 is also a triode, used as microphone amplifier.

Please send your info to
Peter Dufour in The Netherlands
hunk73@hotmail.com

Many thanks!

From 4970571794335068311
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d765e80479330f28,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1128c2,d765e80479330f28,start
X-Google-Attributes: gid1128c2,public
X-Google-Thread: 109b94,d765e80479330f28,start
X-Google-Attributes: gid109b94,public
From: brandonm@purgatory.austin.ibm.com (Brandon Mayfield)
Subject: Recommend amateur radio exam study materials?
Date: 2000/03/24
Message-ID: <8bg01b$ig2$1@ausnews.austin.ibm.com>#1/1
X-Deja-AN: 601783576
Distribution: usa
Organization: varies with the inverse of the frustration
Reply-To: brandonm@austin.ibm.com
Newsgroups: rec.boats.cruising,rec.boats.electronics,rec.ham-radio
Originator: brandonm@purgatory.austin.ibm.com ()

I figure that now would be as good a time as any to start studying for that General license exam.

I went out to the web sites that Larry W$CSC recommended and took the practice tests, I can pass the Tech tests most of the time on the stength of my ET background in the electronics and communications theory subelements.

With some common sense and elimination I can do reasonably well in the other subelements, but the rules / procedures / practices are where I loose the most points. I could use a little study in antennas and feedlines and also in RF saftey and a review of the more esoteric aspects of signal propigation as well.

I took the General test several times and never did pass it, though I came pretty close a couple of times.

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I'd like to hear about it.

Thanks, Brandon Mayfield

From 4044273933603967439
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d765e80479330f28
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109b94,d765e80479330f28
X-Google-Attributes: gid109b94,public
X-Google-Thread: 1128c2,d765e80479330f28
X-Google-Attributes: gid1128c2,public
From: W4CSC@lostonthe.net (Larry W4CSC)
Subject: Re: Recommend amateur radio exam study materials?
Date: 2000/03/24
Message-ID: <38dbaebc.52852001@corp.supernews.com>#1/1
X-Deja-AN: 601852323
References: <8bg01b$ig2$1@ausnews.austin.ibm.com>
Organization: Posted via Supernews, http://www.supernews.com
Newsgroups: rec.boats.cruising,rec.boats.electronics,rec.ham-radio
X-Complaints-To: newsabuse@supernews.com

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You can also buy study materials from the ARRL (www.arrl.org).

Hope to see you on the band....(c;

Does IBM really run Purgatory?? Is Purgatory in Austin?? I'll tell
the Monsignor....(c;

Larry W4CSC/SCE (slow code extra)

On 24 Mar 2000 15:02:03 GMT, brandonm@purgatory.austin.ibm.com
(Brandon Mayfield) wrote:

>
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> studying for that General license exam.
>
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>
>
>
>
>
>
>

From 3132792521139801959
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d765e80479330f28
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1128c2,d765e80479330f28
X-Google-Attributes: gid1128c2,public
X-Google-Thread: 109b94,d765e80479330f28
X-Google-Attributes: gid109b94,public
From: brandonm@purgatory.austin.ibm.com (Brandon Mayfield)
Subject: Re: Recommend amateur radio exam study materials?
Date: 2000/03/24
Message-ID: <8bgiff$1llu$1@ausnews.austin.ibm.com>#1/1

X-Deja-AN: 601900332
Distribution: usa
References: <8bg01b$ig2$1@ausnews.austin.ibm.com>
<38dbaebc.52852001@corp.supernews.com>
Organization: varies with the inverse of the frustration
Reply-To: brandonm@austin.ibm.com
Newsgroups: rec.boats.cruising,rec.boats.electronics,rec.ham-radio
Originator: brandonm@purgatory.austin.ibm.com ()

In article <38dbaebc.52852001@corp.supernews.com>, W4CSC@lostonthe.net (Larry W4CSC) writes:

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I imagine I'll make a lot more use of it once we start cruising.

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> the Monsignor....(c;
>

Just doing my penance ;-). Actually, "Hades" was already taken...

> Larry W4CSC/SCE (slow code extra)
>

Brandon Mayfield

From -4639095231462562785
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d765e80479330f28
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1128c2,d765e80479330f28
X-Google-Attributes: gid1128c2,public
X-Google-Thread: 109b94,d765e80479330f28

X-Google-Attributes: gid109b94,public
From: Geo <nospammers@core.com>
Subject: Re: Recommend amateur radio exam study materials?
Date: 2000/03/24
Message-ID: <38DC50D9.E20CDD0B@core.com>#1/1
X-Deja-AN: 602059512
Content-Transfer-Encoding: 7bit
References: <8bg01b$ig2$1@ausnews.austin.ibm.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: news.corecomm.net 953962702 216.214.77.41 (Fri, 24 Mar 2000 23:38:22 CST)
MIME-Version: 1.0
NNTP-Posting-Date: Fri, 24 Mar 2000 23:38:22 CST
Newsgroups: rec.boats.cruising,rec.boats.electronics,rec.ham-radio

Geez guy. If you're a gennuine ET you should have no trouble with
any amateur exam element! Whoosh, ducking.........
Geo

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From -8419386191768026179
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d765e80479330f28
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109b94,d765e80479330f28
X-Google-Attributes: gid109b94,public
X-Google-Thread: 1128c2,d765e80479330f28
X-Google-Attributes: gid1128c2,public
From: W4CSC@lostonthe.net (Larry W4CSC)
Subject: Re: Recommend amateur radio exam study materials?
Date: 2000/03/25
Message-ID: <38dc07af.75626459@corp.supernews.com>#1/1
X-Deja-AN: 601991056
References: <8bg01b$ig2$1@ausnews.austin.ibm.com>
<38dbaebc.52852001@corp.supernews.com> <8bgiff$1llu$1@ausnews.austin.ibm.com>
Organization: Posted via Supernews, http://www.supernews.com
Newsgroups: rec.boats.cruising,rec.boats.electronics,rec.ham-radio
X-Complaints-To: newsabuse@supernews.com

Good advise follows:

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nonsense you'll never use. Don't approach the test as an engineer.
An engineer had nothing to do with its questions and would be insulted
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QUESTIONS to the REAL TESTS! If you can memorize those
question/answer combinations, you get your license(s).

EVERY ham REALLY needs to have MEMORIZED that you have to notify the
FCC 27 months before you expect to launch your own ham radio satellite
with the Army Surplus ICBM from the cow pasture out back of the
barn.....stupid question on the EXTRA test from a stupid questioner.
How dumb.....

Larry....If a ham has a question about VE or Satellite launch,
couldn't he LOOK IT UP, instead of having to memorize it?? Duhhh.....

On 24 Mar 2000 20:16:47 GMT, brandonm@purgatory.austin.ibm.com
(Brandon Mayfield) wrote:

>
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>
>> Larry W4CSC/SCE  (slow code extra)
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>
> Brandon Mayfield
>




From 6769022344669797686
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d765e80479330f28
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1128c2,d765e80479330f28
X-Google-Attributes: gid1128c2,public
X-Google-Thread: 109b94,d765e80479330f28
X-Google-Attributes: gid109b94,public
From: jean somerhausen <diplodocus1@worldnet.att.net>
Subject: Re: Recommend amateur radio exam study materials?
Date: 2000/03/25
Message-ID: <38DC59F9.2AFE@worldnet.att.net>#1/1
X-Deja-AN: 602034002
Content-Transfer-Encoding: 7bit
References: <8bg01b$ig2$1@ausnews.austin.ibm.com>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@worldnet.att.net
X-Trace: bgtnsc05-news.ops.worldnet.att.net 953955733 12.79.0.168 (Sat, 25 Mar
2000 03:42:13 GMT)
Organization: BOC
MIME-Version: 1.0
```

Reply-To: diplodocus1@worldnet.att.net
NNTP-Posting-Date: Sat, 25 Mar 2000 03:42:13 GMT
Newsgroups: rec.boats.cruising,rec.boats.electronics,rec.ham-radio

Brandon, if you've already tried and failed to pass the General test,
the only solution is to cram the answers. The ARRL had booklets for each
class, with all the quesitons and answers. If you cram that, you're
bound to succeed. For the code, I'd suggest "Supermorse"; you can
download it from the Net. An excellent program where you can vary the
speed to adapt to your own pace; you don't have to look at the screen,
just listen to the sounds and write down the letters. The downside is
that the code is so crisp and clear on the program that you'll be thrown
off by the crappy sound of the casssettes they use at the VEC
sessions....:-)
john

Brandon Mayfield wrote:
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From 3145777498064313196
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d765e80479330f28
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1128c2,d765e80479330f28
X-Google-Attributes: gid1128c2,public
X-Google-Thread: 109b94,d765e80479330f28
X-Google-Attributes: gid109b94,public
From: Ray Thackeray <seastar@tinkers.com>
Subject: Re: Recommend amateur radio exam study materials?
Date: 2000/03/25
Message-ID: <38DD1AAE.7CDFEB0@tinkers.com>#1/1
X-Deja-AN: 602334287
Content-Transfer-Encoding: 7bit
References: <8bg01b$ig2$1@ausnews.austin.ibm.com>
<38dbaebc.52852001@corp.supernews.com> <8bgiff$1llu$1@ausnews.austin.ibm.com>
<38dc07af.75626459@corp.supernews.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: nntp1.ba.best.com 954013896 214 204.179.128.191
MIME-Version: 1.0
Newsgroups: rec.boats.cruising,rec.boats.electronics,rec.ham-radio

I find this quite incredible.

The whole point behind Amateur Radio is to further the research and practice of communications
electronics and theory. If it's just to get a ticket to chat with other people, then there's no
point in Amateur Radio at all, just a cynical exercise in getting the advantages of such a noble
hobby without the obligations or responsibilities.

Ray

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> >>
> >
> > Brandon Mayfield
> >



From -313567741300789580
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
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X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/31
Message-ID: <872m8g$ian$1@nnrp1.deja.com>#1/1
X-Deja-AN: 579664057
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org> <rthk4.696$Mq4.5534@newsfeed.slurp.net>
<3891AE96.C5464CFC@IEEE.org> <s950149uq0s41@corp.supernews.com>
X-Http-Proxy: 1.0 PORT-PROXY, 1.0 x31.deja.com:80 (Squid/1.1.22) for client
216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Mon Jan 31 00:50:25 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

In article <s950149uq0s41@corp.supernews.com>,
"Mark Flanagan" <markf@cshore.com> wrote:
> He's right, can't anyone admit it?

Who is? Cecil? Don't make me laugh! He would not be 'right' if he
were the biggest supporter of Jesse Helms, Bob Dornan and Rush Limbaugh!

> W6RCecilA <Cecil.A.Moore@IEEE.org> wrote in message
> news:3891AE96.C5464CFC@IEEE.org...
> > JOHN R. MANN wrote:
> > > With all due respect Cecil, the dictionary suggests repetition . I
don't
> see
> > > where the word 'rote' applies to CW at 20 WPM.
> >
> > From Webster's: "rote - repetition carried out mechanically or
> unthinkingly."
> > That is an *EXACT* description of what I'm doing when I receive
Morse
> code.
> > Code gurus tell us to, "Repeat the code over and over until you can
do it
> > without thinking about it".
> > --
> > 73, Cecil, W6RCA   http://www.mindspring.com/~w6rca
>
>

Sent via Deja.com http://www.deja.com/
Before you buy.

```
From -4520520610170701779
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/31
Message-ID: <872n6j$j0r$1@nnrp1.deja.com>#1/1
X-Deja-AN: 579671054
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <3890eef9.9602368@news.socket.net>
<86sh95$9bs$1@nntp9.atl.mindspring.net>
X-Http-Proxy: 1.0 PORT-PROXY, 1.0 x36.deja.com:80 (Squid/1.1.22) for client
216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Mon Jan 31 01:06:29 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)
```

In article <86sh95$9bs$1@nntp9.atl.mindspring.net>,
  <@> wrote:
> The 20 wpm code test has hindered many from becoming Extra's. Many who
are
> Electrical Engineer's and so on. Some of us found doing the code
difficult.
> > Mike AB0IV
> >
> Here we go again....those poor electrical engineers....can't learn
code and
> need special treatment so they can become Extras. How about those who
are
> totally non-technical by education and still manage BOTH the code and
the
> theory. Is there some reason that EE's should be exaulted in some
way?
>
> 73 John KO0D

Like I said... useless lazy whiners.

Sent via Deja.com http://www.deja.com/
Before you buy.

From 2243499395033506447
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: 10bf43,79684cd3d2727cfb
X-Google-Attributes: gid10bf43,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/31
Message-ID: <872nkt$j4a$1@nnrp1.deja.com>#1/1
X-Deja-AN: 579674795
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <389105c5.2863519@news.thegrid.net>
<3891A1B6.4C8524B9@IEEE.org> <86so69$5no$2@208.207.71.158>
X-Http-Proxy: 1.0 PORT-PROXY, 1.0 x26.deja.com:80 (Squid/1.1.22) for client
216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Mon Jan 31 01:14:07 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.policy,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

In article <86so69$5no$2@208.207.71.158>,
Dick Carroll <dixie@townsqr.com> wrote:
> W6RCecilA wrote:
> >
> > kf6foz wrote:
> > > But I
> > > will mention that The Advanced Class Op has the only reason to
> > > complain. Not because of the code, but because he is in the same
boat
> > > as a general.
> >
> > Well, not exactly. There will be no new Advanced after April 15.
> > Until that time, we advanced hams don't have to repeat the
> > advanced exam. All we have to do to qualify for a future extra
> > license is pass the present (4B). That's what I intend to do

> > tomorrow.
>
> Shall I go dig up the many posts where you stated
> unequivically that you would NEVER get an extra class
> license under any circumstances?
>
> Aw, well...... You never had a half ounce of credibility
> anyway.

Noticed that about Cecil, the raging fool, too, huh?

ROTFLU!

Sent via Deja.com http://www.deja.com/
Before you buy.

From 4934149512204788403
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/31
Message-ID: <872ruc$m4h$1@nnrp1.deja.com>#1/1
X-Deja-AN: 579697106
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<_1mk4.921$Mq4.8629@newsfeed.slurp.net>
X-Http-Proxy: 1.0 PORT-PROXY, 1.0 x43.deja.com:80 (Squid/1.1.22) for client
216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Mon Jan 31 02:27:27 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

In article <_1mk4.921$Mq4.8629@newsfeed.slurp.net>,
  "?" <wolfe_lone@hotmail.com> wrote:
> If all who post here would use the energy they expend p---ing and
moaning
> about the death of amateur radio
> and .would accept what they can not do anything about; then work to
get the
> hobby back on track. it just might not die.

Lessee... I work emergencies, public service communications, VHF nets,
HF nets, organizing and teaching ham classes, organizing and running
local VE testing, helping at the 7th call area QSL incoming Bureau,
doing interference tracking and control, as well as contesting, DXing,
phone patches, emergency communications into disaster sites, and scoring
the occassional newspaper article for the hobby.

Oh no... I don't do anything to promote or support the hobby, now do I?

I feel I have put enough into this hobby to allow me to stand in defense
of what I believe in, and if you do not like it well I guess that is
just too damn bad, now ain't it?

Sent via Deja.com http://www.deja.com/
Before you buy.

From 7219439884789519533
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/31
Message-ID: <872s1a$m55$1@nnrp1.deja.com>#1/1
X-Deja-AN: 579697127
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<38927598.4AC6ECDF@bctv.com>
X-Http-Proxy: 1.0 PORT-PROXY, 1.0 x22.deja.com:80 (Squid/1.1.22) for client
216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Mon Jan 31 02:29:02 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

In article <38927598.4AC6ECDF@bctv.com>,
  kw@bctv.com wrote:
>
>
> thanatos999@my-deja.com wrote:
>
> > At least the CW tests, while maybe not the most technically

```
proficient,
> > at least could not be fudged in this manner.  You had to actually be
> > COMPETENT in cw to pass the 20 wpm test.
>
> Bull.
>
> I know Extras who can't even pull their own call signs out of a string
> of 10 otherwise random characters.

Since the 'waiver fiasco' I would not doubt it.

>



Sent via Deja.com http://www.deja.com/
Before you buy.




From -8841552357098103729
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: gutsyme <tayger1@netscape.net>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/31
Message-ID: <38952848.DE522BD2@netscape.net>#1/1
X-Deja-AN: 579782527
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
X-Accept-Language: en,pdf
Content-Type: multipart/mixed; boundary="------------2F7B5E2506C66D9D1EF7557A"
X-Complaints-To: Abuse Role <abuse@telepath.com>, We Care <abuse@newsread.com>
X-Trace: newshog.newsread.com 949299369 216.14.2.9 (Mon, 31 Jan 2000 01:16:09 EST)
Organization: Telepath Systems (telepath.com)
MIME-Version: 1.0
Reply-To: tayger1@netscape.net
NNTP-Posting-Date: Mon, 31 Jan 2000 01:16:09 EST
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

This is a multi-part message in MIME format.
--------------2F7B5E2506C66D9D1EF7557A
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yea, and like you wrote the software that your computer uses to post these
hate messages. Get a life, CB is what you act like, not a test you pass.
```

thanatos999@my-deja.com wrote:

> Before the
>   Federal Communications Commission
>   Washington, D.C. 20554
>
> In the Matter of   )   WT Docket No. 98-143
>   )
> 1998 Biennial Regulatory Review --   )   RM-9148
> Amendment of Part 97 of the Commission's   )   RM-9150
> Amateur Service Rules.   )   RM-9196
>   )
>
> If anyone has read this the LCD (non)thinkers get their way again.
>
> First it was the 'no-code' license... "That will be enough" they said.
> I knew that was BS... and history has proven me right.
>
> The it was the much abused 'disability waiver' which I said long ago
> would cause rampant fraud and undermine the amateur radio service... few
> believed me and even though I am disabled I was attacked as someone who
> bashed those with disabilities.
>
> Again, history proved me 100% correct.
>
> Now we have the near final CB-ization of Amateur Radio...
>
> a 5 wpm requirement for Amateur Extra with written exams where the
> questions and answers are publicly available and easily 90% of those
> passing the 'exams' (memory tests is more like what they are) will not
> have any clue as to the actual workings of the theories they are being
> 'tested' on.
>
> At least the CW tests, while maybe not the most technically proficient,
> at least could not be fudged in this manner. You had to actually be
> COMPETENT in cw to pass the 20 wpm test.
>
> Well, that simply reduces the quality even further, and unfortunately I
> fear that before the end of the next sunspot cycle Amateur Radio as we
> know it will cease to exist, being replaced with something akin to the
> sludge pot that is 11 meters.
>
> The whiners who only are interested in the easy route for themselves and
> the profiteers who only have dollar signs in their eyes seeking to seel
> ever more radios win, and the hobby loses... again.
>
> Dammit, sometimes I really hate being right.
>
> And I really likes Amateur Radio... I fear I will not be able to say the
> same soon.
>
> de WR7E

```
>
> Sent via Deja.com http://www.deja.com/
> Before you buy.

--




--------------2F7B5E2506C66D9D1EF7557A
Content-Type: text/x-vcard; charset=us-ascii;
 name="tayger1.vcf"
Content-Transfer-Encoding: 7bit
Content-Description: Card for gutsyme
Content-Disposition: attachment;
 filename="tayger1.vcf"

begin:vcard
n:Taylor;Gerald
tel;fax:(
x-mozilla-html:FALSE
adr:;;;;;;
version:2.1
email;internet:tayger1@netscape.net
x-mozilla-cpt:;-19840
fn:gutsyme
end:vcard

--------------2F7B5E2506C66D9D1EF7557A--





From -338700395635425591
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: gutsyme <tayger1@netscape.net>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/31
Message-ID: <389528D2.138DC29E@netscape.net>#1/1
X-Deja-AN: 579784569
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388C989D.E2B0980D@IEEE.org>
X-Accept-Language: en,pdf
Content-Type: multipart/mixed; boundary="------------E3675F3F4B6536A3678DA6DB"
X-Complaints-To: Abuse Role <abuse@telepath.com>, We Care <abuse@newsread.com>
X-Trace: newshog.newsread.com 949299502 216.14.2.9 (Mon, 31 Jan 2000 01:18:22 EST)
```

Organization: Telepath Systems (telepath.com)
MIME-Version: 1.0
Reply-To: tayger1@netscape.net
NNTP-Posting-Date: Mon, 31 Jan 2000 01:18:22 EST
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

This is a multi-part message in MIME format.
--------------E3675F3F4B6536A3678DA6DB
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Cecil is the kind of ham who gives the service a future.

W6RCecilA wrote:

> thanatos999@my-deja.com wrote:
> > First it was the 'no-code' license... "That will be enough" they said.
> > I knew that was BS... and history has proven me right.
>
> It was enough *at the time* to nudge the ARS out of the dark ages.
> In Dec. '99, it was time for another nudge.
>
> > Now we have the near final CB-ization of Amateur Radio...
>
> That's what a lot of hams said when the no-code license was introduced.
> It didn't happen. If CB troublemakers haven't flocked to the nocode tech
> license, why would they study and pass a 5wpm Morse code requirement?
>
> > At least the CW tests, while maybe not the most technically proficient,
> > at least could not be fudged in this manner.
>
> Of course they could. The Morse code was published in advance. They
> merely rote-memorized the Morse code characters.
>
> > Well, that simply reduces the quality even further, ...
>
> That's simple to remedy. Simply raise the code requirement to 100wpm
> and you'll get so much "quality" that the ARS will disappear for good.
>
> > The whiners who only are interested in the easy route for themselves ...
>
> What about the whiners who want to continue the easy federal subsidy
> route for Morse code instead of having to expend some effort promoting
> their favorite mode?
> --
> 73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

--

--------------E3675F3F4B6536A3678DA6DB

```
Content-Type: text/x-vcard; charset=us-ascii;
 name="tayger1.vcf"
Content-Transfer-Encoding: 7bit
Content-Description: Card for gutsyme
Content-Disposition: attachment;
 filename="tayger1.vcf"

begin:vcard
n:Taylor;Gerald
tel;fax:(
x-mozilla-html:FALSE
adr:;;;;;;
version:2.1
email;internet:tayger1@netscape.net
x-mozilla-cpt:;-19840
fn:gutsyme
end:vcard

--------------E3675F3F4B6536A3678DA6DB--
```

```
From 7961757035044686831
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: "?" <geezer@netusa1.net>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/31
Message-ID: <Yzkl4.105$bo1.873@newsfeed.slurp.net>#1/1
X-Deja-AN: 579993808
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<_1mk4.921$Mq4.8629@newsfeed.slurp.net> <872ruc$m4h$1@nnrp1.deja.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 949343608 206.150.216.143 (Mon, 31 Jan 2000 12:33:28
CDT)
X-MSMail-Priority: Normal
Reply-To: "?" <wolfe_lone@hotmail.com>
NNTP-Posting-Date: Mon, 31 Jan 2000 12:33:28 CDT
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
```

give this person a pat on the back and two or three atta boys.
its rare to find a wit this sharp;)

From 5392566531567582216
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/31
Message-ID: <8757fg$d1n$1@nnrp1.deja.com>#1/1
X-Deja-AN: 580066814
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com> <s8q6ss7aeh6105@corp.supernews.com> <388d2c21.3508841@news.thegrid.net> <388F13F4.8840AC41@home.net> <s8vnaq8b7q516@corp.supernews.com> <86ql6d$2do$1@nnrp1.deja.com> <3890DB5A.CCCE393F@IEEE.org> <872lbj$hjq$1@nnrp1.deja.com> <3894E338.1494237C@IEEE.org>
X-Http-Proxy: 1.0 x39.deja.com:80 (Squid/1.1.22) for client 216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Mon Jan 31 23:56:35 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

In article <3894E338.1494237C@IEEE.org>,
W6RCecilA <Cecil.A.Moore@IEEE.org> wrote:
> thanatos999@my-deja.com wrote:
> > Neither you nor anyone else has in any way, shape or form shown this
> > change to be 'for the better', Cecil.
> > You just come across as a fool when you do that.
>
> Let me put it another way, Mr. noname, nocall, likely CBer, Only a
> fool would defy an FCC R&O. What is it about, "This R&O is closed.",
> that you do not understand? Why don't you go back to 11m?
> --
> 73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

I have not been on 11m since 1974... but surely you are well acquianted
with it recently, Cecil.

Moi? CBer? And why, pray tell, would a CBer be staunchly defending ham
radio quality against the lowclass whiners such as yourself?

But you just cannot deal with reality, and are clearly losing it, as
proven by this incoherent rant, Cecil.

And btw... what is it about April 15, 2000 and linear time that you just can't seem to grok?

Closed? One word. Reconsideration. Nuff said.

And since you and your pathetic ilk did not take the FCC as immutable gospel before, why should I now?

Try and wrap your little pea brain around that one, if you can.

ROTFLU!

Sent via Deja.com http://www.deja.com/
Before you buy.

From -9187581826240106552
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: steve <kc6dxt@fmsn.com>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/31
Message-ID: <38964BC9.4C00C2A@fmsn.com>#1/1
X-Deja-AN: 580180783
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com> <388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com> <3890DC27.840C7ECF@IEEE.org> <389105c5.2863519@news.thegrid.net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: 31 Jan 2000 18:56:16 -0800, cust-114-45.as01.lsan.eli.net
MIME-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

You need to get your fact right! NO one will lose bands.. The advanced class will stay the same and so will the novice. They will continued to be renewed

kc6dxt

kf6foz wrote:

> Its kind of funny that after all these years, These people started
> complainig about the question pools. Why didnt you complain before you
> took your test. You get your tickets then complain about it. What a
> bunch of bigots. When someone changes the license structure you
> complain because it doesnt benefit you!! I'm not going to sit here and
> complain about the only License Class that got royally screwed, But I
> will mention that The Advanced Class Op has the only reason to
> complain. Not because of the code, but because he is in the same boat
> as a general. I feel for you guys, But the constant babble is getting
> you no where.
>
> On Thu, 27 Jan 2000 18:00:39 -0600, W6RCecilA <Cecil.A.Moore@IEEE.org>
> wrote:
>
> >thanatos999@my-deja.com wrote:
> >> The point is that you cannot just cram for the 20 wpm exam in a couple
> >> nights and pass it... you have to actually acquire the skill to receive
> >> cw to pass that exam.
> >
> >Yep, you have to rote-memorize like crazy. Why is it OK to rote-memorize
> >Morse code and not OK to rote-memorize the written exams. Inquiring
> >minds want to know.
> >--
> >73, Cecil, W6RCA   http://www.mindspring.com/~w6rca
>
> The kf6foz BBS
> http://www.qsl.net/kf6foz/

From 3201565857864635798
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/31
Message-ID: <389662B5.7AC10D54@IEEE.org>#1/1
X-Deja-AN: 580204547
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org> <86r33a$dam$1@news1.spacestar.net>
<3891A028.B124DFC4@IEEE.org> <872lqi$hvf$1@nnrp1.deja.com>
<3894E3CF.B57E39FE@IEEE.org> <8757n0$dbq$1@nnrp1.deja.com>

Organization: MindSpring Enterprises
X-Server-Date: 1 Feb 2000 04:40:57 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

thanatos999@my-deja.com wrote:
> If that were so and you had been doing so for 49 years, then it is
> pretty clear you would have no trouble passing 20 wpm Cecil. Since you
> are so clearly part of the lazy whiner contingent that is clearly not
> the case.

No problem, Neil. I have been up to 25wpm before. One month ago I was
at 18wpm. Now I am back to 20wpm. I'll pass the 20wpm code exam on
Feb. 26, no sweat.
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From -6450273373008544900
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10bf43,79684cd3d2727cfb
X-Google-Attributes: gid10bf43,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/31
Message-ID: <38966219.8AF83EC4@IEEE.org>#1/1
X-Deja-AN: 580204556
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<s8q6ss7aeh6105@corp.supernews.com> <388d2c21.3508841@news.thegrid.net>
<388F13F4.8840AC41@home.net> <s8vnaq8b7q516@corp.supernews.com>
<86ql6d$2do$1@nnrp1.deja.com> <3890DB5A.CCCE393F@IEEE.org>
<872lbj$hjq$1@nnrp1.deja.com> <3894E338.1494237C@IEEE.org>
<8757fg$d1n$1@nnrp1.deja.com>
Organization: MindSpring Enterprises
X-Server-Date: 1 Feb 2000 04:38:20 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.policy,rec.radio.amateur.equipment

thanatos999@my-deja.com wrote:
> Try and wrap your little pea brain around that one, if you can.

Try and buy yourself a sense of humor.
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From 3874727908349693948
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,79684cd3d2727cfb
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/31
Message-ID: <389665E1.AF06FB03@IEEE.org>#1/1
X-Deja-AN: 580207096
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <872lga$hsn$1@nnrp1.deja.com>
<3894E429.67675BD7@IEEE.org> <875cc3$gf3$1@nnrp1.deja.com>
Organization: MindSpring Enterprises
X-Server-Date: 1 Feb 2000 04:54:29 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.policy,rec.radio.amateur.equipment

thanatos999@my-deja.com wrote:
> I have a call... and it is far superior to yours and I have posted it
> already several times in this thread.

You call your wienee call superior? BWWWWHHHHAAHHHAHAHHHHHAAA

> And you have not disproven or discredited a single thing I have said,

Why should I try to do that, Neal? I'm just having fun. Have you
proved that you are not a rapist yet?

> And poor little Cecil just cannot seem to deal with it... poor baby.

Strange thing for you to say to someone who already had four
years of graduate engineering experience when you were still
$hitting all over yourself.
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From -2549975774821373616
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/01
Message-ID: <8757n0$dbq$1@nnrp1.deja.com>#1/1
X-Deja-AN: 580067880
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com> <388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com> <3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net> <389105E0.14CCF248@IEEE.org> <86r33a$dam$1@news1.spacestar.net> <3891A028.B124DFC4@IEEE.org> <872lqi$hvf$1@nnrp1.deja.com> <3894E3CF.B57E39FE@IEEE.org>
X-Http-Proxy: 1.0 x39.deja.com:80 (Squid/1.1.22) for client 216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Tue Feb 01 00:00:34 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

In article <3894E3CF.B57E39FE@IEEE.org>,
W6RCecilA <Cecil.A.Moore@IEEE.org> wrote:

> thanatos999@my-deja.com wrote:
> > Alphabet rules? What do you think the [.- = A] are? As for syntax it
> > depends on what other language you are using morse to communicate in.
>
> Thanks Mr. CBer, you have just proven that Morse is a coding system, not
> a language.

Sorry, nitwit, but I proved no such thing, and neither have you. There are also equivalencies in other languages to most words in English... so I guess french is just a 'coding system', huh?

Also all computer languages are 'coding systems' too... in fact all languages of any kind are merely 'coding systems' to convey ideas... which is what cw does as well.

You just cannot get your mind around that you have lost on every point, Cecil. What a delusional loser you have conclusively proven yourself to be.

ROTFLU!

> > > After 49 years as a ham, I am very practiced in the use of Ohm's
law.
> >
> > But clearly not in the use of cw.
>
> CW is my favorite mode. I rarely use any other mode. You lose, Mr.
CBer.
> --
> 73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

If that were so and you had been doing so for 49 years, then it is
pretty clear you would have no trouble passing 20 wpm Cecil. Since you
are so clearly part of the lazy whiner contingent that is clearly not
the case.

Your lies are proven as such, Cecil.

Sent via Deja.com http://www.deja.com/
Before you buy.

From 8629715911676373092
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/01
Message-ID: <875a2i$f2d$1@nnrp1.deja.com>#1/1
X-Deja-AN: 580083231
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org> <rthk4.696$Mq4.5534@newsfeed.slurp.net>
<3891AE96.C5464CFC@IEEE.org> <872m6g$i98$1@nnrp1.deja.com>
<3894E910.72D60438@IEEE.org>
X-Http-Proxy: 1.0 x39.deja.com:80 (Squid/1.1.22) for client 216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Tue Feb 01 00:40:51 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

In article <3894E910.72D60438@IEEE.org>,
W6RCecilA <Cecil.A.Moore@IEEE.org> wrote:
> thanatos999@my-deja.com wrote:
> > Because since cw is used for COMMUNICATION and part of the
definition of
> > COMMUNICATION is the exchange of ideas, I fail to see how one can
> > consider the exchange of ideas between individuals, each exchange
being
> > completely different for the most part, to be 'repetition carried
out
> > mechanically'... ESPECIALLY 'unthinkingly'.
>
> We're talking about the coding *SYSTEM*, not the content of the
communication.

It is either repetition or it is not, Cecil.

My do you desperately attempt to squirm around rather than admit you
have so clearly and conclusively been proven WRONG, huh Cecil?

> Please describe how you use CW without memorizing the code/character
> translation.

Please describe how you use ANY language without memorizing the
code/character translation, Cecil.

> Do you develop Morse code from first principles every time
> you use it.

Do you recreate language every time you flap your gums, Cecil?

> You seem not to know anything about Morse code.

I know quite a bit more about morse code than you do, Cecil...that much
is abundantly clear. It is you who know nothing about what you
desperately wish you could speak authoritatively about.

ROTFLU!

> I suspect a CBer on the troll.

Again Cecil proves himself to be nothing but a delusional and factless
twit.

> > It is the same as your french teacher telling you not to
> > translate/convert but to actually think in the language naturally.
>
> Ah, but nobody thinks in Morse code.

Nobody? How do you know, Cecil? And I can read a sign and 'think' it
in morse without translation.

Can't you?

ROTFLU!

You really are a CBer, aren't you?
> --
> 73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

Nope, but you surely seem to be of their ilk, Cecil.

Sent via Deja.com http://www.deja.com/
Before you buy.

From -4177154263309529432
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/01
Message-ID: <875ajc$f6u$1@nnrp1.deja.com>#1/1
X-Deja-AN: 580085430
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <3890eef9.9602368@news.socket.net>
<38947FEA.4EE7@rpi.edu>
X-Http-Proxy: 1.0 x39.deja.com:80 (Squid/1.1.22) for client 216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Tue Feb 01 00:49:50 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

In article <38947FEA.4EE7@rpi.edu>,
  "Prof. Curt M. Breneman" <brenec@rpi.edu> wrote:
> Here's an idea folks --
>
> What about having a "20+ WPM" (ARRL?) certificate or award that could
> serve to recognize those who believe that recognition of their code
> speed is crucial to their self-esteem. That way, the technical
> questions related to licensing can be segregated from the code speed /
> rite-of-passage debate.

```
>
> Curt Breneman
> KC2EBP

Why give the lazy selfcentered whiners a pass?  I see nothing to be
gained by that.


Sent via Deja.com http://www.deja.com/
Before you buy.




From -5046032852970681549
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/01
Message-ID: <875bon$g12$1@nnrp1.deja.com>#1/1
X-Deja-AN: 580093249
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <3890eef9.9602368@news.socket.net>
<38947FEA.4EE7@rpi.edu> <38949F10.6D9A78C2@bctv.com>
X-Http-Proxy: 1.0 x39.deja.com:80 (Squid/1.1.22) for client 216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Tue Feb 01 01:09:46 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

In article <38949F10.6D9A78C2@bctv.com>,
  kw@bctv.com wrote:
>
>
> "Prof. Curt M. Breneman" wrote:
> >
> > Here's an idea folks --
> >
> > What about having a "20+ WPM" (ARRL?) certificate or award that
could
> > serve to recognize those who believe that recognition of their code
> > speed is crucial to their self-esteem.  That way, the technical
> > questions related to licensing can be segregated from the code speed
```

/
> > rite-of-passage debate.
> >
> > Curt Breneman
> > KC2EBP
>
> It's a good idea. It should also include SENDING 20WPM using a
straight
> key.
>
> The testing should be done at hamfests, with results posted on a
board,
> so that we can properly recognize those who pass . . .
>
> . . .and those who DON'T. heheheheh

Not as legitimate... the sending tests were removed for legitimate
reason. An arthritic, or someone with palsy, etc, would be unable to do
so... so long as you allowed the keying means they needed to utilize,
there should not be much of a problem... it is the receiving that is
what counts.

Sent via Deja.com http://www.deja.com/
Before you buy.

From 815574318857272865
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/01
Message-ID: <875br7$g9u$1@nnrp1.deja.com>#1/1
X-Deja-AN: 580094310
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <3890eef9.9602368@news.socket.net>
<38947FEA.4EE7@rpi.edu> <38949F10.6D9A78C2@bctv.com>
<FT3l4.2704$P5.11799@newsfeed.slurp.net>
X-Http-Proxy: 1.0 x39.deja.com:80 (Squid/1.1.22) for client 216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Tue Feb 01 01:11:07 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999

Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

In article <FT3l4.2704$P5.11799@newsfeed.slurp.net>,
"?" <wolfe_lone@hotmail.com> wrote:
> Give us a break! This horse has been beat long enough!
>
> a story comes to mind about a truck driver from the USA
> stuck up in Edmonton waiting for a dispatch back to the 48
> He was mad as hell to be there; so far from his home; that he was
> complaining about everything. This big Cannuk comes over and
> says to him "you no like Canada?---then get the f--- out"
>
> If you are so sure its over feel free to do whatever you like with
your
> ticket and rigs
> I, for one, am not quitting.
>
> kb9thn

It is not a matter of quitting. It is a matter than at this rate in 20
yrs you will be dancing in a vacant parking lot where the dance hall
once stood.

Sent via Deja.com http://www.deja.com/
Before you buy.

From -4543369472034166115
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: 10bf43,79684cd3d2727cfb
X-Google-Attributes: gid10bf43,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/01
Message-ID: <875c6u$gd7$1@nnrp1.deja.com>#1/1
X-Deja-AN: 580095541
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <389105c5.2863519@news.thegrid.net>
<3891A1B6.4C8524B9@IEEE.org> <86so69$5no$2@208.207.71.158>
<872nkt$j4a$1@nnrp1.deja.com> <3894E67A.85612F@IEEE.org>
X-Http-Proxy: 1.0 x39.deja.com:80 (Squid/1.1.22) for client 216.111.243.130
Organization: Deja.com - Before you buy.

```
X-Article-Creation-Date: Tue Feb 01 01:17:22 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.policy,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

In article <3894E67A.85612F@IEEE.org>,
  W6RCecilA <Cecil.A.Moore@IEEE.org> wrote:
> thanatos999@my-deja.com wrote:
> > ROTFLU!
>
> I'm really happy that you enjoy pain so much.
> --
> 73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

You are in pain?  A pain I understood, but was unaware you were in pain.

Poor pitiful little Cecil.


Sent via Deja.com http://www.deja.com/
Before you buy.




From -9085574650478363077
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/01
Message-ID: <875cc3$gf3$1@nnrp1.deja.com>#1/1
X-Deja-AN: 580095559
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <872lga$hsn$1@nnrp1.deja.com>
<3894E429.67675BD7@IEEE.org>
X-Http-Proxy: 1.0 x39.deja.com:80 (Squid/1.1.22) for client 216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Tue Feb 01 01:20:07 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

In article <3894E429.67675BD7@IEEE.org>,
```

W6RCecilA <Cecil.A.Moore@IEEE.org> wrote:
> thanatos999@my-deja.com wrote:
> > Again you prove yourself to be nothing but an idiotic fool who clearly
> > has no concept of what he is talking about.
>
> And an obvious CBer who doesn't post a name or call is not a fool?
> --
> 73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

What you consider 'obvious' is pure idiocy for the rest of the world, Cecil.

And I post a name... thanatos999. You do not like it, deal with it. I am not required to post more.

I have a call... and it is far superior to yours and I have posted it already several times in this thread.

And you have not disproven or discredited a single thing I have said, Cecil while I have pointed out your dishonor, dishonesty, whiny lazy nature as well as your idiocy, foolishness and delusional status clearly and conclusively.

And poor little Cecil just cannot seem to deal with it... poor baby.

ROTFLU!

Sent via Deja.com http://www.deja.com/
Before you buy.

From 7087946457054912586
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/01
Message-ID: <875ckk$gnj$1@nnrp1.deja.com>#1/1
X-Deja-AN: 580098423
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com> <38952848.DE522BD2@netscape.net>
X-Http-Proxy: 1.0 x39.deja.com:80 (Squid/1.1.22) for client 216.111.243.130

Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Tue Feb 01 01:24:41 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

In article <38952848.DE522BD2@netscape.net>,
  tayger1@netscape.net wrote:

> Yea, and like you wrote the software that your computer uses to post
these
> hate messages.

Hate messages? Hardly. It is the lazy whiners who spew the hate.

And as for writing computer programs capable of being used to post to
ngs, I have done so... haven't you?

> Get a life,

Have one, thanks. And at least I earn my way through it... I do not
lay about lazily whining for everything I want like some participants in
this ng I could name...

> CB is what you act like, not a test you pass.

Actually it is a cesspool of a band... something the whiners will turn
Amateur Radio into.

I have been 100% on the money will every one of my other assessments.
There is no reason to believe I am not right in this one as well.

Especially with Cecil providing such a model example.

```
>
> thanatos999@my-deja.com wrote:
>
> > Before the
> >                Federal Communications Commission
> >                     Washington, D.C. 20554
> >
> > In the Matter of                    )         WT Docket No. 98-143
> >                                 )
> > 1998 Biennial Regulatory Review --           )         RM-9148
> > Amendment of Part 97 of the Commission's     )         RM-9150
> > Amateur Service Rules.              )         RM-9196
> >                                 )
> >
> > If anyone has read this the LCD (non)thinkers get their way again.
> >
> > First it was the 'no-code' license... "That will be enough" they
said.
```

> > I knew that was BS... and history has proven me right.
> >
> > The it was the much abused 'disability waiver' which I said long ago
> > would cause rampant fraud and undermine the amateur radio service...
few
> > believed me and even though I am disabled I was attacked as someone
who
> > bashed those with disabilities.
> >
> > Again, history proved me 100% correct.
> >
> > Now we have the near final CB-ization of Amateur Radio...
> >
> > a 5 wpm requirement for Amateur Extra with written exams where the
> > questions and answers are publicly available and easily 90% of those
> > passing the 'exams' (memory tests is more like what they are) will
not
> > have any clue as to the actual workings of the theories they are
being
> > 'tested' on.
> >
> > At least the CW tests, while maybe not the most technically
proficient,
> > at least could not be fudged in this manner. You had to actually be
> > COMPETENT in cw to pass the 20 wpm test.
> >
> > Well, that simply reduces the quality even further, and
unfortunately I
> > fear that before the end of the next sunspot cycle Amateur Radio as
we
> > know it will cease to exist, being replaced with something akin to
the
> > sludge pot that is 11 meters.
> >
> > The whiners who only are interested in the easy route for themselves
and
> > the profiteers who only have dollar signs in their eyes seeking to
seel
> > ever more radios win, and the hobby loses... again.
> >
> > Dammit, sometimes I really hate being right.
> >
> > And I really likes Amateur Radio... I fear I will not be able to say
the
> > same soon.
> >
> > de WR7E
> >
> > Sent via Deja.com http://www.deja.com/
> > Before you buy.
>
> --
>

```
> --------------2F7B5E2506C66D9D1EF7557A
> Content-Type: text/x-vcard; charset=us-ascii;
>  name="tayger1.vcf"
> Content-Transfer-Encoding: 7bit
> Content-Description: Card for gutsyme
> Content-Disposition: attachment;
>  filename="tayger1.vcf"
>
> begin:vcard
> n:Taylor;Gerald
> tel;fax:(
> x-mozilla-html:FALSE
> adr:;;;;;;
> version:2.1
> email;internet:tayger1@netscape.net
> x-mozilla-cpt:;-19840
> fn:gutsyme
> end:vcard
>
> --------------2F7B5E2506C66D9D1EF7557A--
>
>
```

Sent via Deja.com http://www.deja.com/
Before you buy.

```
From -8985559788121846766
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: Robert Moldenhauer <persia@persia.com>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/01
Message-ID: <3896F678.18241558@persia.com>#1/1
X-Deja-AN: 580367330
Content-Transfer-Encoding: 7bit
Sender: reguser@168.236.254.1
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org> <86r33a$dam$1@news1.spacestar.net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@chorus.net
```

X-Trace: news.chorus.net 949417974 6715 168.236.254.1 (1 Feb 2000 15:12:54 GMT)
Organization: Light of Persia Pty
Mime-Version: 1.0
NNTP-Posting-Date: 1 Feb 2000 15:12:54 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

Ron Ostman wrote:

> No, YOU have to be kidding, Cecil. You are comparing apples and oranges
> when you say that memorization of Morse characters to build speed is
> analagous to memorization of exam questions. If you have successfully
> "memorized" Morse at 20 wpm you have learned a language.

It is *not* a language, it is a coding scheme, like ASCII, memorising CW codes from ham radio has about the same relevance as memorising ASCII has for computer operators. I'm an old timer in computer programming, when I studied it I had to enter a program on the front panel switches of a PDP-11, it made some sense then, but it would be silly to have that as a requirement now.

Ham radio must change, the internet is available, free in many places, it does not require a license, you can talk to people around the world. Most hams today don't want to listen to cw, so even with thousands of new American Extras, you'll still have those cw bands to yourself, but don't stand in the way of those who want to try other, more cutting edge modes!

From -495352466762215925
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: Robert Moldenhauer <persia@persia.com>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/01
Message-ID: <3896F983.4901AE82@persia.com>#1/1
X-Deja-AN: 580375021
Content-Transfer-Encoding: 7bit
Sender: reguser@168.236.254.1
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com> <388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>

<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org> <rthk4.696$Mq4.5534@newsfeed.slurp.net>
<3891AE96.C5464CFC@IEEE.org> <872m6g$i98$1@nnrp1.deja.com>
<3894E910.72D60438@IEEE.org> <875a2i$f2d$1@nnrp1.deja.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@chorus.net
X-Trace: news.chorus.net 949418746 6911 168.236.254.1 (1 Feb 2000 15:25:46 GMT)
Organization: Light of Persia Pty
Mime-Version: 1.0
NNTP-Posting-Date: 1 Feb 2000 15:25:46 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

You can only understand Morse if the sender and you speak the same language. If I send you unaccented French in Morse and you don't speak French you're not going to understand it.

From 2310098158115228476
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: wolf <wolfalsoNOwoSPAM@hotmail.com.invalid>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/01
Message-ID: <144c6bb2.622261f4@usw-ex0101-007.remarq.com>#1/1
X-Deja-AN: 580417177
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
Bytes: 2879
X-Originating-Host: 208.246.25.75
X-Complaints-To: wrenabuse@remarq.com
X-Trace: WReNphoon4 949425751 10.0.2.7 (Tue, 01 Feb 2000 09:22:31 PST)
Organization: http://www.remarq.com: The World's Usenet/Discussions Start Here
NNTP-Posting-Date: Tue, 01 Feb 2000 09:22:31 PST
Newsgroups: rec.radio.amateur.antenna,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment
X-Wren-Trace: eJm8lJWMy4HKzoKdmtiUg4SqgZOIkNiGkNuVlZ3N0onO0YvMwZfewtvPyA==

In article <86i29f$ncc$1@nnrp1.deja.com>, thanatos999@my-deja.com wrote:
>Before the
>   Federal Communications Commission

>   Washington, D.C. 20554
>
>
>In the Matter of   )   WT Docket No. 98-
143
>   )
>1998 Biennial Regulatory Review --   )   RM-9148
>Amendment of Part 97 of the Commission's   )   RM-9150
>Amateur Service Rules.   )   RM-9196
>   )
>
>If anyone has read this the LCD (non)thinkers get their way
again.
>
>First it was the 'no-code' license... "That will be enough"
they said.
>I knew that was BS... and history has proven me right.
>
>The it was the much abused 'disability waiver' which I said
long ago
>would cause rampant fraud and undermine the amateur radio
service... few
>believed me and even though I am disabled I was attacked as
someone who
>bashed those with disabilities.
>
>Again, history proved me 100% correct.
>
>Now we have the near final CB-ization of Amateur Radio...
>
>a 5 wpm requirement for Amateur Extra with written exams where
the
>questions and answers are publicly available and easily 90% of
those
>passing the 'exams' (memory tests is more like what they are)
will not
>have any clue as to the actual workings of the theories they
are being
>'tested' on.
>
>At least the CW tests, while maybe not the most technically
proficient,
>at least could not be fudged in this manner. You had to
actually be
>COMPETENT in cw to pass the 20 wpm test.
>
>Well, that simply reduces the quality even further, and
unfortunately I
>fear that before the end of the next sunspot cycle Amateur
Radio as we
>know it will cease to exist, being replaced with something akin
to the
>sludge pot that is 11 meters.

>
>The whiners who only are interested in the easy route for
themselves and
>the profiteers who only have dollar signs in their eyes seeking
to seel
>ever more radios win, and the hobby loses... again.
>
>Dammit, sometimes I really hate being right.
>
>And I really likes Amateur Radio... I fear I will not be able
to say the
>same soon.
>
>de WR7E
>
>
>Sent via Deja.com http://www.deja.com/
>Before you buy.
>
>Years back, I picked up a first phone. Really nice piece of
wall paper. Years later I renewed it. It was now a yellow
cheap document. Years later, I renewed it again. It had now
become a wallet sized card good for life. I pretty much see
amateur radio going down the same path. When I got my first
ham license, you had to send and receive and draw schematics.
Heck, I think that you even had to have good moral character!
73, KZ5B

* Sent from RemarQ http://www.remarq.com The Internet's Discussion Network *
The fastest and easiest way to search and participate in Usenet - Free!

From 7055521459977157275
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,60f2995761034327,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,60f2995761034327,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,60f2995761034327,start
X-Google-Attributes: gid108122,public
From: "chriscmc" <chriscmc@itis.com>
Subject: FS: Grundig Satellit 700 on Ebay
Date: 2000/02/01
Message-ID: <877e64$bca$1@news.chorus.net>#1/1
X-Deja-AN: 580479753
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: abuse@chorus.net
X-Trace: news.chorus.net 949435396 11658 216.165.145.150 (1 Feb 2000 20:03:16 GMT)

Organization: Chorus Netwoks
X-MSMail-Priority: Normal
NNTP-Posting-Date: 1 Feb 2000 20:03:16 GMT
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.radio.amateur.equipment

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=249893210

Bidding starts at only $5.00, with $5.00 shipping in the US.

From -4643652809163022617
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/01
Message-ID: <3897BDF3.F0B36B86@IEEE.org>#1/1
X-Deja-AN: 580670408
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org> <rthk4.696$Mq4.5534@newsfeed.slurp.net>
<3891AE96.C5464CFC@IEEE.org> <872m6g$i98$1@nnrp1.deja.com>
<3894E910.72D60438@IEEE.org> <875a2i$f2d$1@nnrp1.deja.com>
<3896F983.4901AE82@persia.com> <3897BDEE.A4F11718@att.net>
Organization: MindSpring Enterprises
X-Server-Date: 2 Feb 2000 05:22:12 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

George T. Baker wrote:
> I have had many QSOs with overseas hams who could not speak a word of
> English nor I speak a word of Russian, French, German, or whatever. BUT,
> we could carry on a satisfactory conversation about an admittedly limited
> but useful set of topics using common CW abbreviations, etc.

Not to belittle CW or what you said, but I use common CW abbreviations
while carrying on foreign PACTOR QSOs. They can be a useful part

of any digital mode QSO, including CW.
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From -574900080262032320
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: Keith Wood <kw@bctv.com>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/02
Message-ID: <3897A54C.9EA2440E@bctv.com>#1/1
X-Deja-AN: 580648049
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <3890eef9.9602368@news.socket.net>
<38947FEA.4EE7@rpi.edu> <38949F10.6D9A78C2@bctv.com> <875bon$g12$1@nnrp1.deja.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: news@aros.net
X-Trace: news.aros.net 949463394 48695 208.219.24.170 (2 Feb 2000 03:49:54 GMT)
Organization: Brass Cannon Productions
Mime-Version: 1.0
Reply-To: kw@bctv.com
NNTP-Posting-Date: 2 Feb 2000 03:49:54 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

thanatos999@my-deja.com wrote:
>
> In article <38949F10.6D9A78C2@bctv.com>,
>   kw@bctv.com wrote:
> >
> >
> > "Prof. Curt M. Breneman" wrote:
> > >
> > > Here's an idea folks --
> > >
> > > What about having a "20+ WPM" (ARRL?) certificate or award that
> could
> > > serve to recognize those who believe that recognition of their code
> > > speed is crucial to their self-esteem. That way, the technical

> > > questions related to licensing can be segregated from the code speed
> /
> > > rite-of-passage debate.
> > >
> > > Curt Breneman
> > > KC2EBP
> >
> > It's a good idea. It should also include SENDING 20WPM using a
> straight
> > key.
> >
> > The testing should be done at hamfests, with results posted on a
> board,
> > so that we can properly recognize those who pass . . .
> >
> > . . .and those who DON'T. heheheheh
>
> Not as legitimate... the sending tests were removed for legitimate
> reason. An arthritic, or someone with palsy, etc, would be unable to do
> so...

Hmmm . . .I wonder if the idea of a doctor's waiver on the code test
would ever work? ;)

> so long as you allowed the keying means they needed to utilize,
> there should not be much of a problem... it is the receiving that is
> what counts.

I disagree. It is the COMPREHENSION that counts. If you can read it,
you can send it, and this is an award for people who UNDERSTAND the
code, not just those who can memorize a "song."

From 7037188597950995685
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: "George T. Baker" <w5yr@att.net>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/02
Message-ID: <3897BDEE.A4F11718@att.net>#1/1
X-Deja-AN: 580673788
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>

<389105E0.14CCF248@IEEE.org> <rthk4.696$Mq4.5534@newsfeed.slurp.net>
<3891AE96.C5464CFC@IEEE.org> <872m6g$i98$1@nnrp1.deja.com>
<3894E910.72D60438@IEEE.org> <875a2i$f2d$1@nnrp1.deja.com>
<3896F983.4901AE82@persia.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@worldnet.att.net
X-Trace: bgtnsc04-news.ops.worldnet.att.net 949468655 12.74.99.34 (Wed, 02 Feb 2000 05:17:35 GMT)
Organization: AT&T Worldnet
MIME-Version: 1.0
NNTP-Posting-Date: Wed, 02 Feb 2000 05:17:35 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

Odd that you should say that.

I have had many QSOs with overseas hams who could not speak a word of English nor I speak a word of Russian, French, German, or whatever. BUT, we could carry on a satisfactory conversation about an admittedly limited but useful set of topics using common CW abbreviations, etc.

It is a mistake to confuse Morse and CW - they are not the same by any means.

72/73, George
Fairview, TX   30 mi NE Dallas in Collin county
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452   RVing since 1972

Robert Moldenhauer wrote:
>
> You can only understand Morse if the sender and you speak the same
> language. If I send you unaccented French in Morse and you don't speak
> French you're not going to understand it.

From -4375509433117671745
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/03
Message-ID: <87b7kn$p9d$1@nnrp1.deja.com>#1/1

```
X-Deja-AN: 581014040
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org> <86r33a$dam$1@news1.spacestar.net>
<3891A028.B124DFC4@IEEE.org> <872lqi$hvf$1@nnrp1.deja.com>
<3894E3CF.B57E39FE@IEEE.org> <8757n0$dbq$1@nnrp1.deja.com>
<389662B5.7AC10D54@IEEE.org>
X-Http-Proxy: 1.0 x36.deja.com:80 (Squid/1.1.22) for client 216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Thu Feb 03 06:36:07 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

In article <389662B5.7AC10D54@IEEE.org>,
  W6RCecilA <Cecil.A.Moore@IEEE.org> wrote:
> thanatos999@my-deja.com wrote:
> > If that were so and you had been doing so for 49 years, then it is
> > pretty clear you would have no trouble passing 20 wpm Cecil. Since
you
> > are so clearly part of the lazy whiner contingent that is clearly
not
> > the case.
>
> No problem, Neil. I have been up to 25wpm before. One month ago I was
> at 18wpm. Now I am back to 20wpm. I'll pass the 20wpm code exam on
> Feb. 26, no sweat.
> --
> 73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

Then what are you whining about, Cecil?


Sent via Deja.com http://www.deja.com/
Before you buy.




From 1817267224628314137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/03
```

Message-ID: <87b7n8$p9n$1@nnrp1.deja.com>#1/1
X-Deja-AN: 581014049
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org> <rthk4.696$Mq4.5534@newsfeed.slurp.net>
<3891AE96.C5464CFC@IEEE.org> <872m6g$i98$1@nnrp1.deja.com>
<3894E910.72D60438@IEEE.org> <875a2i$f2d$1@nnrp1.deja.com>
<3896F983.4901AE82@persia.com>
X-Http-Proxy: 1.0 x36.deja.com:80 (Squid/1.1.22) for client 216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Thu Feb 03 06:37:27 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

In article <3896F983.4901AE82@persia.com>,
Robert Moldenhauer <persia@persia.com> wrote:
> You can only understand Morse if the sender and you speak the same
> language. If I send you unaccented French in Morse and you don't
speak
> French you're not going to understand it.

I guess you have never heard of Q-Signals, eh?

With those I have managed to have reasonable QSOs with ops who I could
never have communicated with at all by voice.

Sent via Deja.com http://www.deja.com/
Before you buy.

From -8076445439053276363
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/03
Message-ID: <87b7sr$pbm$1@nnrp1.deja.com>#1/1
X-Deja-AN: 581014075
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>

<389105E0.14CCF248@IEEE.org> <rthk4.696$Mq4.5534@newsfeed.slurp.net>
<3891AE96.C5464CFC@IEEE.org> <872m6g$i98$1@nnrp1.deja.com>
<3894E910.72D60438@IEEE.org> <875a2i$f2d$1@nnrp1.deja.com>
<3896F983.4901AE82@persia.com> <3897BDEE.A4F11718@att.net>
<3897BDF3.F0B36B86@IEEE.org>
X-Http-Proxy: 1.0 x36.deja.com:80 (Squid/1.1.22) for client 216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Thu Feb 03 06:40:27 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

In article <3897BDF3.F0B36B86@IEEE.org>,
W6RCecilA <Cecil.A.Moore@IEEE.org> wrote:
> George T. Baker wrote:
> > I have had many QSOs with overseas hams who could not speak a word
of
> > English nor I speak a word of Russian, French, German, or whatever.
BUT,
> > we could carry on a satisfactory conversation about an admittedly
limited
> > but useful set of topics using common CW abbreviations, etc.
>
> Not to belittle CW or what you said, but I use common CW abbreviations
> while carrying on foreign PACTOR QSOs. They can be a useful part
> of any digital mode QSO, including CW.
> --
> 73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

And therefore since you claim we can have the same QSOs in cw that you can with PACTOR why not just save all the extra BS involved with PACTOR and just do cw and chuck the PACTOR mode, huh Cecil?

You just cannot seem to wrap your pitiful little mind around the concept that not everyone prostrates themselves before the Great God PACTOR as you do.

Personally I can just email someone in almost any language and just use one of many conversion programs. Far from perfect but they generally get the basic concepts across.

So why bother with PACTOR huh Cecil?

Sent via Deja.com http://www.deja.com/
Before you buy.

From -1127078786484600295
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/03
Message-ID: <87b8bj$pli$1@nnrp1.deja.com>#1/1
X-Deja-AN: 581014129
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <3890eef9.9602368@news.socket.net>
<38947FEA.4EE7@rpi.edu> <38949F10.6D9A78C2@bctv.com> <875bon$g12$1@nnrp1.deja.com>
<3897A54C.9EA2440E@bctv.com>
X-Http-Proxy: 1.0 x36.deja.com:80 (Squid/1.1.22) for client 216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Thu Feb 03 06:48:19 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

In article <3897A54C.9EA2440E@bctv.com>,
  kw@bctv.com wrote:
>
>
> thanatos999@my-deja.com wrote:
> >
> > In article <38949F10.6D9A78C2@bctv.com>,
> >   kw@bctv.com wrote:
> > >
> > >
> > > "Prof. Curt M. Breneman" wrote:
> > > >
> > > > Here's an idea folks --
> > > >
> > > > What about having a "20+ WPM" (ARRL?) certificate or award that
> > could
> > > > serve to recognize those who believe that recognition of their
code
> > > > speed is crucial to their self-esteem.  That way, the technical
> > > > questions related to licensing can be segregated from the code
speed
> > /
> > > > rite-of-passage debate.
> > > >
> > > > Curt Breneman
> > > > KC2EBP
> > >
```

> > > It's a good idea. It should also include SENDING 20WPM using a
> > straight
> > > key.
> > >
> > > The testing should be done at hamfests, with results posted on a
> > board,
> > > so that we can properly recognize those who pass . . .
> > >
> > > . . .and those who DON'T. heheheheh
> >
> > Not as legitimate... the sending tests were removed for legitimate
> > reason. An arthritic, or someone with palsy, etc, would be unable
to do
> > so...
>
> Hmmm . . .I wonder if the idea of a doctor's waiver on the code test
> would ever work? ;)

Why would such be needed? The concept is if you can receive 20wpm you
understand the code and can send.

Just being able to send is no measure of if you can receive.

And there should be no waivers.

> > so long as you allowed the keying means they needed to utilize,
> > there should not be much of a problem... it is the receiving that is
> > what counts.
>
> I disagree. It is the COMPREHENSION that counts.

If you can receive, and are not a braindead moron, you can comprehend.

> If you can read it,
> you can send it, and this is an award for people who UNDERSTAND the
> code, not just those who can memorize a "song."

Of course, but receiving a QSO at 20 wpm when you do not know what the
QSO is is a comprehension test, not a memorizing of a song.

Sent via Deja.com http://www.deja.com/
Before you buy.

From 1257268146680441280
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public

```
X-Google-Thread: 10bf43,79684cd3d2727cfb
X-Google-Attributes: gid10bf43,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/03
Message-ID: <87b8ne$puv$1@nnrp1.deja.com>#1/1
X-Deja-AN: 581014171
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <872lga$hsn$1@nnrp1.deja.com>
<3894E429.67675BD7@IEEE.org> <875cc3$gf3$1@nnrp1.deja.com>
<389665E1.AF06FB03@IEEE.org>
X-Http-Proxy: 1.0 x36.deja.com:80 (Squid/1.1.22) for client 216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Thu Feb 03 06:54:38 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.policy,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)
```

In article <389665E1.AF06FB03@IEEE.org>,
  W6RCecilA <Cecil.A.Moore@IEEE.org> wrote:

> thanatos999@my-deja.com wrote:
> > I have a call... and it is far superior to yours and I have posted it
> > already several times in this thread.
>
> You call your wienee call superior? BWWWWHHHHAAHHHAHAHHHHHAAA

Quite. I have yet to see DX stations send QSLs unsolicited from a US ham with a W6 call, Cecil.

A WR7 on the other hand... well, I have received massive numbers of SASEs from DX stations AND US hams.

Considering there are just about 25 other hams with the prefix, and some of those are not particularly active.

And then again, my 2x1 is superior to yours, Cecil, because I am an Extra and you are not.

Deal with it.

And no matter what you do, Cecil, I was an Extra 12 yrs ago... you will not, barring a time machine, be able to alter that no matter what you do.

> > And you have not disproven or discredited a single thing I have said,

> Why should I try to do that, Neal?

I agree... it is difficult to disprove the truth.

> I'm just having fun.

If you consider being proven conclusively to be a lying, lazy, idiotic
delusional fool, then more power to you, Cecil.

> Have you proved that you are not a rapist yet?

Where do I have any burden to do so, Cecil? I have not claimed I am not
one... you are the one claiming I am, by implication if nothing else.
The burden of proof is on you.

However the statement was that you are an idiot for claiming that you
cannot prove A negative... not ANY or ALL negatives.

And since I have proven several negatives you are clearly and
conclusively disproven.

> > And poor little Cecil just cannot seem to deal with it... poor baby.
>
> Strange thing for you to say to someone who already had four
> years of graduate engineering experience when you were still
> $hitting all over yourself.

Irrelevant, Cecil. For all your 'graduate engineering experience' you
certainly did not seem to do much with it. How do you explain that I
have been an Extra for 12 yrs and you are... well, you are Cecil... need
I say more?

Sent via Deja.com http://www.deja.com/
Before you buy.

From 3290973332971634626
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/03
Message-ID: <38998C3A.C825AF1E@IEEE.org>#1/1
X-Deja-AN: 581094770
Content-Transfer-Encoding: 7bit

References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org> <86r33a$dam$1@news1.spacestar.net>
<3891A028.B124DFC4@IEEE.org> <872lqi$hvf$1@nnrp1.deja.com>
<3894E3CF.B57E39FE@IEEE.org> <8757n0$dbq$1@nnrp1.deja.com>
<389662B5.7AC10D54@IEEE.org> <87b7kn$p9d$1@nnrp1.deja.com>
Organization: MindSpring Enterprises
X-Server-Date: 3 Feb 2000 14:14:55 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

thanatos999@my-deja.com wrote:
> Then what are you whining about, Cecil?

Methinks you are engaging in psychological projection. You are
the one who's whining about the changes in the Morse code
requirement. I'm happy with the changes with no need to whine.
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From 5580838657459451943
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/03
Message-ID: <38998F3D.B3D54D04@IEEE.org>#1/1
X-Deja-AN: 581098485
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org> <rthk4.696$Mq4.5534@newsfeed.slurp.net>
<3891AE96.C5464CFC@IEEE.org> <872m6g$i98$1@nnrp1.deja.com>
<3894E910.72D60438@IEEE.org> <875a2i$f2d$1@nnrp1.deja.com>
<3896F983.4901AE82@persia.com> <3897BDEE.A4F11718@att.net>
<3897BDF3.F0B36B86@IEEE.org> <87b7sr$pbm$1@nnrp1.deja.com>
Organization: MindSpring Enterprises
X-Server-Date: 3 Feb 2000 14:27:47 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0

Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

thanatos999@my-deja.com wrote:
> And therefore since you claim we can have the same QSOs in cw that you
> can with PACTOR why not just save all the extra BS involved with PACTOR
> and just do cw and chuck the PACTOR mode, huh Cecil?

Because most of my friends are on PACTOR, Neal. Guys like you won't talk to me on CW. I use a straight key at 10wpm. Real CW operators use straight keys. What? You use a ***DIGITAL*** electronic keyer? You use the electronic logic system that you absolutely hate? Go figure.

> You just cannot seem to wrap your pitiful little mind around the concept
> that not everyone prostrates themselves before the Great God PACTOR as
> you do.

I do not advocate using threat of force from the feds to promote PACTOR, Neal, but that is exactly what you do for Morse code. I believe in live and let live. You obviously do not. What kind of balls does it take to try to control my choice of modes? If you want to do CW, then do it. I will do whatever modes I choose to do or none at all, thank you.

> Personally I can just email someone in almost any language and just use
> one of many conversion programs. Far from perfect but they generally
> get the basic concepts across.
>
> So why bother with PACTOR huh Cecil?

When the big emergency happens, telephone lines are down, and internet connections are severed, I'll be able to contact PACTOR II stations that I can't even hear on CW and transfer more information without an error than I ever could on CW.
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From -1108393314905787625
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/03
Message-ID: <38998FF9.D7BEA611@IEEE.org>#1/1
X-Deja-AN: 581098486

Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <3890eef9.9602368@news.socket.net>
<38947FEA.4EE7@rpi.edu> <38949F10.6D9A78C2@bctv.com> <875bon$g12$1@nnrp1.deja.com>
<3897A54C.9EA2440E@bctv.com> <87b8bj$pli$1@nnrp1.deja.com>
Organization: MindSpring Enterprises
X-Server-Date: 3 Feb 2000 14:30:54 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

thanatos999@my-deja.com wrote:
> And there should be no waivers.

I agree 100%, Neal, and we will both get our wish on
April 15, 2000. :-) :-) :-) :-) :-) :-) :-)
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From -2929025268512594044
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/03
Message-ID: <87cs2e$ubm$1@nnrp1.deja.com>#1/1
X-Deja-AN: 581100111
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org> <86r33a$dam$1@news1.spacestar.net>
<3891A028.B124DFC4@IEEE.org> <872lqi$hvf$1@nnrp1.deja.com>
<3894E3CF.B57E39FE@IEEE.org> <8757n0$dbq$1@nnrp1.deja.com>
<389662B5.7AC10D54@IEEE.org> <87b7kn$p9d$1@nnrp1.deja.com>
<38998C3A.C825AF1E@IEEE.org>
X-Http-Proxy: 1.0 x32.deja.com:80 (Squid/1.1.22) for client 216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Thu Feb 03 21:30:54 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

```
In article <38998C3A.C825AF1E@IEEE.org>,
  W6RCecilA <Cecil.A.Moore@IEEE.org> wrote:
> thanatos999@my-deja.com wrote:
> > Then what are you whining about, Cecil?
>
> Methinks you are engaging in psychological projection. You are
> the one who's whining about the changes in the Morse code
> requirement. I'm happy with the changes with no need to whine.
> --
> 73, Cecil, W6RCA   http://www.mindspring.com/~w6rca


Sorry, Cecil, but I am not whining.  I have nothing to whine about.  I
already have my Extra.  You do not.

I am merely exercising my first amendment guaranteed free speech rights
to state my opposition to the actions of the government toadies and my
reasons for such opposition.

You are not required to like what I say or to agree with what I say,
Cecil.

I am not forcing you to do anything.

So what, again, I ask... is your problem, Cecil?

Projecting?  You should know all about that now, shouldn't you Cecil?

ROTFLU!


Sent via Deja.com http://www.deja.com/
Before you buy.




From 2295394870785867695
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: Robert Moldenhauer <persia@persia.com>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/03
Message-ID: <3899A20C.96390DAA@persia.com>#1/1
X-Deja-AN: 581127961
Content-Transfer-Encoding: 7bit
```

Sender: reguser@168.236.254.1
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org> <rthk4.696$Mq4.5534@newsfeed.slurp.net>
<3891AE96.C5464CFC@IEEE.org> <872m6g$i98$1@nnrp1.deja.com>
<3894E910.72D60438@IEEE.org> <875a2i$f2d$1@nnrp1.deja.com>
<3896F983.4901AE82@persia.com> <3897BDEE.A4F11718@att.net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@chorus.net
X-Trace: news.chorus.net 949592987 25711 168.236.254.1 (3 Feb 2000 15:49:47 GMT)
Organization: Light of Persia Pty
Mime-Version: 1.0
NNTP-Posting-Date: 3 Feb 2000 15:49:47 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

Yeah, I suppose you can get name and location type of equipment and the size of your antenna, but is that all hams want to talk about, the size of your antenna?

"George T. Baker" wrote:

> Odd that you should say that.
>
> I have had many QSOs with overseas hams who could not speak a word of
> English nor I speak a word of Russian, French, German, or whatever. BUT,
> we could carry on a satisfactory conversation about an admittedly limited
> but useful set of topics using common CW abbreviations, etc.
>
> It is a mistake to confuse Morse and CW - they are not the same by any
> means.
>
> 72/73, George
> Fairview, TX   30 mi NE Dallas in Collin county
> Amateur Radio W5YR, in the 54th year and it just keeps getting better!
> R/C since 1964 - AMA 98452   RVing since 1972
>
> Robert Moldenhauer wrote:
> >
> > You can only understand Morse if the sender and you speak the same
> > language. If I send you unaccented French in Morse and you don't speak
> > French you're not going to understand it.

```
From -5563507802147766392
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/03
```

Message-ID: <3899FE74.191417EB@IEEE.org>#1/1
X-Deja-AN: 581276170
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org> <86r33a$dam$1@news1.spacestar.net>
<3891A028.B124DFC4@IEEE.org> <872lqi$hvf$1@nnrp1.deja.com>
<3894E3CF.B57E39FE@IEEE.org> <8757n0$dbq$1@nnrp1.deja.com>
<389662B5.7AC10D54@IEEE.org> <87b7kn$p9d$1@nnrp1.deja.com>
<38998C3A.C825AF1E@IEEE.org> <87cs2e$ubm$1@nnrp1.deja.com>
Organization: MindSpring Enterprises
X-Server-Date: 3 Feb 2000 22:22:18 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

thanatos999@my-deja.com wrote:
> So what, again, I ask... is your problem, Cecil?

I have no problem. I'm happy as a lark.
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From 6047925027653009656
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: 10bf43,79684cd3d2727cfb
X-Google-Attributes: gid10bf43,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/03
Message-ID: <389A65AF.67276F42@IEEE.org>#1/1
X-Deja-AN: 581407420
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org> <rthk4.696$Mq4.5534@newsfeed.slurp.net>
<3891AE96.C5464CFC@IEEE.org> <872m6g$i98$1@nnrp1.deja.com>
<3894E910.72D60438@IEEE.org> <875a2i$f2d$1@nnrp1.deja.com>
<3896F983.4901AE82@persia.com> <3897BDEE.A4F11718@att.net>
<3897BDF3.F0B36B86@IEEE.org> <87b7sr$pbm$1@nnrp1.deja.com>
<38998F3D.B3D54D04@IEEE.org> <87dip3$e2p$1@nnrp1.deja.com>
Organization: MindSpring Enterprises

X-Server-Date: 4 Feb 2000 05:42:25 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.policy,rec.radio.amateur.equipment

thanatos999@my-deja.com wrote:
> And none of mine are... they are all on CW, Cecil. So why should you
> and YOUR friends get your mode, and me and mine not ours, hmmmm?

You can have your mode, Neal. Just don't try to force it on all hams.
You do your mode and I will do mine. What is wrong with live and let
live?

> I use an iambic paddle.

Which requires that same hated digital logic that exists in TNCs.

> Where is anyone having a gun held to their head to use CW, Cecil?

Not to use it, Neal, to learn it. The feds use the threat of force
to compel all HF hams to learn Morse code.

> Deal with it, Cecil.

Already did, Neal, ten years before you were born.

> Are you going to claim that such a situation or circumstance is
> absolutely impossible, Cecil?

Nope, just so improbable that I would be better off storing food
and water than owning a CW-only rig.
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From -4211015155219015528
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10bf43,79684cd3d2727cfb
X-Google-Attributes: gid10bf43,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/03
Message-ID: <38999E63.BA4D3DE4@IEEE.org>#1/1
X-Deja-AN: 581463033
Content-Transfer-Encoding: 7bit

References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <872lga$hsn$1@nnrp1.deja.com>
<3894E429.67675BD7@IEEE.org> <875cc3$gf3$1@nnrp1.deja.com>
<389665E1.AF06FB03@IEEE.org> <87b8ne$puv$1@nnrp1.deja.com>
Organization: MindSpring Enterprises
X-Server-Date: 3 Feb 2000 15:32:24 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.policy,rec.radio.amateur.equipment

thanatos999@my-deja.com wrote:
> I have yet to see DX stations send QSLs unsolicited from a US
> ham with a W6 call, Cecil.

What's a DX station? What's a QSL? Get a life will you?

> A WR7 on the other hand... well, I have received massive numbers of
> SASEs from DX stations AND US hams.

I'm sure glad I don't get that stuff. My garbage can is already full.

> And then again, my 2x1 is superior to yours, Cecil, because I am an
> Extra and you are not.

That and a buck fifty will get you a cup of coffee.

> Deal with it.

Deal with what?

> And no matter what you do, Cecil, I was an Extra 12 yrs ago... you will
> not, barring a time machine, be able to alter that no matter what you
> do.

Knock yourself out.

> > Have you proved that you are not a rapist yet?
>
> Where do I have any burden to do so, Cecil?

That wasn't the question, Neal. The question is whether you are
capable of proving that you are not a rapist.

> However the statement was that you are an idiot for claiming that you
> cannot prove A negative... not ANY or ALL negatives.
>
> And since I have proven several negatives you are clearly and
> conclusively disproven.

Har dee har har, Neal, in your wildest dreams. I said that mutually
exclusive negatives CAN be proven and that's the only kind that you

have proven. When you prove a non-mutually exclusive negative, get
back to us.

> Irrelevant, Cecil. For all your 'graduate engineering experience' you
> certainly did not seem to do much with it. How do you explain that I
> have been an Extra for 12 yrs and you are... well, you are Cecil... need
> I say more?

You have all amateur band privileges. I had all amateur band privileges
ten years before you were born. You lose again, sucker.
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From -3774089357777079585
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/04
Message-ID: <87dip3$e2p$1@nnrp1.deja.com>#1/1
X-Deja-AN: 581246529
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org> <rthk4.696$Mq4.5534@newsfeed.slurp.net>
<3891AE96.C5464CFC@IEEE.org> <872m6g$i98$1@nnrp1.deja.com>
<3894E910.72D60438@IEEE.org> <875a2i$f2d$1@nnrp1.deja.com>
<3896F983.4901AE82@persia.com> <3897BDEE.A4F11718@att.net>
<3897BDF3.F0B36B86@IEEE.org> <87b7sr$pbm$1@nnrp1.deja.com>
<38998F3D.B3D54D04@IEEE.org>
X-Http-Proxy: 1.0 x42.deja.com:80 (Squid/1.1.22) for client 216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Fri Feb 04 03:58:28 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

In article <38998F3D.B3D54D04@IEEE.org>,
  W6RCecilA <Cecil.A.Moore@IEEE.org> wrote:
> thanatos999@my-deja.com wrote:
> > And therefore since you claim we can have the same QSOs in cw that
you
> > can with PACTOR why not just save all the extra BS involved with

PACTOR
> > and just do cw and chuck the PACTOR mode, huh Cecil?
>
> Because most of my friends are on PACTOR, Neal.

And none of mine are... they are all on CW, Cecil. So why should you and YOUR friends get your mode, and me and mine not ours, hmmmm?

You just do not get it, do you, Cecil?

> Guys like you won't talk
> to me on CW. I use a straight key at 10wpm. Real CW operators use straight
> keys. What? You use a ***DIGITAL*** electronic keyer? You use the electronic
> logic system that you absolutely hate? Go figure.

I use an iambic paddle. I do not use a TNC, Cecil. I can also use a straight key but send better with the iambic paddle.

And as soon as you are elected god of the universe I will give a rat's red rump about what you think.

> > You just cannot seem to wrap your pitiful little mind around the concept
> > that not everyone prostrates themselves before the Great God PACTOR as
> > you do.

> I do not advocate using threat of force from the feds to promote PACTOR,
> Neal, but that is exactly what you do for Morse code.

Where is anyone having a gun held to their head to use CW, Cecil?

Your statements get more and more moronic and delusional every day.

> I believe in live and let live.

They hell you do, Cecil. You are clearly lying again.

> You obviously do not.

Sure I do... I do not force you to use CW any more than anyone forces me to use PACTOR. However I had to learn how to effectively use PACTOR to get my license, and you should have to learn how to use CW to get yours. No one is forcing you or I to use those modes.

And learning how to use CW effectively requires the code proficiency test. Just like learning how to use PACTOR effectively required the part of the theory test.

Deal with it, Cecil.

> What kind of balls does it take to try to control my choice of modes?

My what a delusional paranoid you are proving yourself to be, Cecil.
You seem to think there are jackbooted gun toting CW Police around every
corner, under every rock and in every tree out there just to force YOU,
Cecil, to use CW.

You know, Cecil, you really should take your medications...

> If you want to do CW, then do it.
> I will do whatever modes I choose to do or none at all, thank you.

I have never mandated or tried to mandate anything else, Cecil. Where
have I ever forced you to utilize CW in your daily operations?

However you should have the skill to USE it, just like I should have the
skill to USE PACTOR. (Though once it is set up a trained CHIMP could
use PACTOR... one of the Appliance Operator modes).

> > Personally I can just email someone in almost any language and just
use
> > one of many conversion programs. Far from perfect but they
generally
> > get the basic concepts across.
> >
> > So why bother with PACTOR huh Cecil?

> When the big emergency happens, telephone lines are down, and internet
> connections are severed, I'll be able to contact PACTOR II stations
that
> I can't even hear on CW and transfer more information without an error
> than I ever could on CW.
> --
> 73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

Assuming, of course, the computers are all running, the TNCs are all
functioning, the higher priced and more complex rigs are having no
problems at all, etc etc etc.

And in the situation where you do not have each and every piece
necessary for your pactor spiderweb of technology and only have the
means of communicating via CW or not at all, you will remain utterly
useless.

As usual.

Are you going to claim that such a situation or circumstance is
absolutely impossibly, Cecil?

Are you really *that* moronic?

Sent via Deja.com http://www.deja.com/
Before you buy.

From -5178704124540901301
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: Keith Wood <kw@bctv.com>
Subject: Antenna size
Date: 2000/02/04
Message-ID: <389A2D73.6EB93CD6@bctv.com>#1/1
X-Deja-AN: 581349756
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org> <rthk4.696$Mq4.5534@newsfeed.slurp.net>
<3891AE96.C5464CFC@IEEE.org> <872m6g$i98$1@nnrp1.deja.com>
<3894E910.72D60438@IEEE.org> <875a2i$f2d$1@nnrp1.deja.com>
<3896F983.4901AE82@persia.com> <3897BDEE.A4F11718@att.net>
<3899A20C.96390DAA@persia.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: news@aros.net
X-Trace: news.aros.net 949628495 93418 208.219.24.170 (4 Feb 2000 01:41:35 GMT)
Organization: Brass Cannon Productions
Mime-Version: 1.0
Reply-To: kw@bctv.com
NNTP-Posting-Date: 4 Feb 2000 01:41:35 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

Robert Moldenhauer wrote:
>
> Yeah, I suppose you can get name and location type of equipment and the size
> of your antenna, but is that all hams want to talk about, the size of your
> antenna?

Some guys think that mast size is directly proportional to . . .

However, I somehow doubt that too many ladies would be impressed if they
found out that a guy's "mast" diameter was 1/40 of its length.

From 5009592662658636372
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: Keith Wood <kw@bctv.com>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/04
Message-ID: <389A2CB0.7C8A9784@bctv.com>#1/1
X-Deja-AN: 581349757
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <3890eef9.9602368@news.socket.net>
<38947FEA.4EE7@rpi.edu> <38949F10.6D9A78C2@bctv.com> <875bon$g12$1@nnrp1.deja.com>
<3897A54C.9EA2440E@bctv.com> <87b8bj$pli$1@nnrp1.deja.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: news@aros.net
X-Trace: news.aros.net 949628300 93416 208.219.24.170 (4 Feb 2000 01:38:20 GMT)
Organization: Brass Cannon Productions
Mime-Version: 1.0
Reply-To: kw@bctv.com
NNTP-Posting-Date: 4 Feb 2000 01:38:20 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

thanatos999@my-deja.com wrote:
>
> In article <3897A54C.9EA2440E@bctv.com>,
>   kw@bctv.com wrote:

> > > > It's a good idea. It should also include SENDING 20WPM using a
> > > straight
> > > > key.
> > > >
> > > > The testing should be done at hamfests, with results posted on a
> > > board,
> > > > so that we can properly recognize those who pass . . .
> > > >
> > > > . . .and those who DON'T. heheheheh
> > >
> > > Not as legitimate... the sending tests were removed for legitimate

> > > reason. An arthritic, or someone with palsy, etc, would be unable
> to do
> > > so...
> >
> > Hmmm . . .I wonder if the idea of a doctor's waiver on the code test
> > would ever work? ;)
>
> Why would such be needed? The concept is if you can receive 20wpm you
> understand the code and can send.

The concept is not always the fact.

> Just being able to send is no measure of if you can receive.

Agreed. Just being able to receive is also not proof of comprehension.

>
> And there should be no waivers.
>
> > > so long as you allowed the keying means they needed to utilize,
> > > there should not be much of a problem... it is the receiving that is
> > > what counts.
> >
> > I disagree. It is the COMPREHENSION that counts.
>
> If you can receive, and are not a braindead moron, you can comprehend.

> > If you can read it,
> > you can send it, and this is an award for people who UNDERSTAND the
> > code, not just those who can memorize a "song."
>
> Of course, but receiving a QSO at 20 wpm when you do not know what the
> QSO is is a comprehension test, not a memorizing of a song.

Yep. Which is an entirely different animal than the canned FCC exams.
There aren't that many tests, and there aren't that many questions on
the test. When you recognize which test you have, then it is simply a
matter or remembering what is ON that test.

This was a popular method of passing the Extra not too long ago.

From -8984852665939059403
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public

From: "merryprankster" <merryprankster@cwcon.net>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/04
Message-ID: <s%Gm4.11538$M47.126610@news1-hme0>#1/1
X-Deja-AN: 581656754
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388FC400.6EEA26CD@atlantic.net> <86qlnq$2qf$1@nnrp1.deja.com>
<3890DC27.840C7ECF@IEEE.org> <p56k4.1636$VR1.18893@dfiatx1-snr1.gtei.net>
<389105E0.14CCF248@IEEE.org> <rthk4.696$Mq4.5534@newsfeed.slurp.net>
<3891AE96.C5464CFC@IEEE.org> <872m6g$i98$1@nnrp1.deja.com>
<3894E910.72D60438@IEEE.org> <875a2i$f2d$1@nnrp1.deja.com>
<3896F983.4901AE82@persia.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: news1-hme0 949697624 195.44.205.29 (Fri, 04 Feb 2000 20:53:44 GMT)
Organization: home
X-MSMail-Priority: Normal
NNTP-Posting-Date: Fri, 04 Feb 2000 20:53:44 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

You can only understand Morse if the sender and you speak the same
language. If I send you unaccented French in Morse and you don't speak
French you're not going to understand it.

I thought, that's where the Q Codes / abbreviations
and the like, come into the game.?????

From -8147797137644282493
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,69ca62d5f7a1ad08
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,69ca62d5f7a1ad08
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,69ca62d5f7a1ad08
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,69ca62d5f7a1ad08
X-Google-Attributes: gid114a57,public
X-Google-Thread: 1109af,69ca62d5f7a1ad08
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,69ca62d5f7a1ad08
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 108778,69ca62d5f7a1ad08
X-Google-Attributes: gid108778,public
X-Google-Thread: 1031c8,69ca62d5f7a1ad08
X-Google-Attributes: gid1031c8,public

From: Walter Guinon <wguinon@shore.net>
Subject: Re: FS ICOM IC706 HF+VHF, amp, tuner, boom mike, and CW key (CANADA)
Date: 2000/02/05
Message-ID: <389C7C76.6A4FB6F8@shore.net>#1/1
X-Deja-AN: 582004246
Content-Transfer-Encoding: 7bit
References: <sWFk4.64186$Dv1.1759242@news2.rdc1.on.home.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@shore.net
X-Trace: news.shore.net 949779522 204.167.109.75 (Sat, 05 Feb 2000 14:38:42 EST)
Organization: Shore.Net/Eco Software, Inc; (info@shore.net)
MIME-Version: 1.0
NNTP-Posting-Date: Sat, 05 Feb 2000 14:38:42 EST
Newsgroups: alt.ham-radio,alt.ham-radio.hf,alt.radio.amateur,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap

I wish I had an automatic tuner compatible with my ICOM IC-725 HF

From -4941319626654460321
X-Google-Language: SPANISH,ASCII
X-Google-Thread: 10c9e3,ad2a942d04f57f56,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fe552,ad2a942d04f57f56,start
X-Google-Attributes: gidfe552,public
From: "Salva C" <scervero@airtel.net>
Subject: �AMSAT EA?
Date: 2000/02/06
Message-ID: <87jfii$k0o4@psi-news.airtel.net>#1/1
X-Deja-AN: 582205264
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
Organization: Airtel.net
X-MSMail-Priority: Normal
Newsgroups: es.rec.radio.amateur,rec.ham-radio

Hola a todos �alguien sabe que pasa con AMSAT EA? Hace un par de meses recib� una carta para que me hiciera socio, yo hice el ingreso en una cuenta bancaria y hasta el d�a de hoy que no he recibido contestaci�n alguna....

�Alguien sabe algo?

�Que ha pasado con esta gente? �se han esfumado?

Si alguien sabe algo le estar�a muy agradecido me comentase algo.

Un saludo a todo el mundo.

Salvador Cerver�

EB5JDX
e-mail scervero@airtel.net

From -606041470534O4149
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: "Herzog" <herzog@frontiernet.net>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/07
Message-ID: <87ljtp$1ckc$1@node17.cwnet.frontiernet.net>#1/1
X-Deja-AN: 582550291
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com> <144c6bb2.622261f4@usw-ex0101-007.remarq.com>
X-Priority: 3
Content-Type: text/plain; charset="iso-8859-1"
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@frontiernet.net
X-Trace: node17.cwnet.frontiernet.net 949900025 45708 209.130.218.231 (7 Feb 2000 05:07:05 GMT)
Organization: Frontier GlobalCenter Inc.
X-MSMail-Priority: Normal
Mime-Version: 1.0
NNTP-Posting-Date: 7 Feb 2000 05:07:05 GMT
Newsgroups: rec.radio.amateur.antenna,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment

The very fact that there is so much discussion on the web, not on the radio proves to me that we hams are a dying breed.

From 1468544795680124478
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: "WildFire" <sesockk@yahoo.com>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/07
Message-ID: <87m30h$bis1@news.cis.okstate.edu>#1/1
X-Deja-AN: 582586520
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<144c6bb2.622261f4@usw-ex0101-007.remarq.com>
<87ljtp$1ckc$1@node17.cwnet.frontiernet.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
Organization: Oklahoma State University
X-MSMail-Priority: Normal
Newsgroups: rec.radio.amateur.antenna,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment

Finally, someone who agrees.
Herzog <herzog@frontiernet.net> wrote in message
news:87ljtp$1ckc$1@node17.cwnet.frontiernet.net...
> The very fact that there is so much discussion on the web, not on the
> radio proves to me that we hams are a dying breed.
>

From 480502183556978060
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/02/07
Message-ID: <389EC92A.54AABCD3@IEEE.org>#1/1
X-Deja-AN: 582644576
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<144c6bb2.622261f4@usw-ex0101-007.remarq.com>
<87ljtp$1ckc$1@node17.cwnet.frontiernet.net>
Organization: MindSpring Enterprises
X-Server-Date: 7 Feb 2000 13:36:02 GMT

Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.radio.amateur.antenna,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment

Herzog wrote:
> The very fact that there is so much discussion on the web, not on the
> radio proves to me that we hams are a dying breed.

Ham radio and internet are entirely different functions. Exactly how
are you going to reach 1000 hams at the same time world-wide on ham
radio? If you were making that exact statement over ham radio right
now, odds are infinitesimal that I would hear you.
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From -4500896590605701573
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3da1269e46486a50
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,3da1269e46486a50
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,3da1269e46486a50
X-Google-Attributes: gid10ed5f,public
From: Charles Cabral <charlien1fnr@tp.net>
Subject: Re: FS: Icom IC-W32A Dual Band Heanheld
Date: 1999/12/13
Message-ID: <3855AA09.4CA6014B@tp.net>#1/1
X-Deja-AN: 560358337
Content-Transfer-Encoding: 7bit
References: <UrS44.16248$eh2.201405@news2.rdc1.on.home.com>
X-Accept-Language: en,pt
Content-Type: text/plain; charset=us-ascii
X-Trace: typ12.nn.bcandid.com 945138263 209.113.136.82 (Mon, 13 Dec 1999 21:24:23 EST)
Organization: TwistedPairNetwork
MIME-Version: 1.0
NNTP-Posting-Date: Mon, 13 Dec 1999 21:24:23 EST
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-radio

AES price new $299.95!!!!!!!

Dimitri Vekris wrote:
>
> For sale:
>
> Icom IC-W32A Dual Band Heanheld.
> 2 Meter/440 MHz Dual Bander Handheld
>
> Advanced Operations Have Never Been Easier!
>

```
> "With its five big watts and a plethora of features, the IC-W32A provides
> just about everything you could possibly need in an H-T. Best of all,
> perhaps, the IC-W32A makes a serious effort to take some of the pain out of
> using a small, complex piece of technology" -- QST, July 1997
>
> -     Dimensions: 2.25 (W), 5.5 (H), 1.4 (D), 16 oz
> -     5 Watts of power @ 13.5 V
> -     200 memory channels
> -     8 character alphanumeric memory channel identification, keypad entry
> -     Backlit display and keypad
> -     ICOM rugged! Meets MIL SPEC C/D/E for shock and vibration
> -     Handheld to handheld cloning capability (opt. OPC-474 cloning cable)
> or PC programming capability
> -     Independent band controls for tuning and volume
> -    VHF/UHF exchange function allows assignment of VHF/UHF band controls to
> either knob
>
> More detailed IC-W32A specifications and options.
> Modified for MARS capability
>
> Asking US$299
> Licensed Amateur Radio Operators only please!
> Contact dv@interlog.com
```

```
From -5197781220031505821
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,57ed1255e2bea6c1
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,57ed1255e2bea6c1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,57ed1255e2bea6c1
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,57ed1255e2bea6c1
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,57ed1255e2bea6c1
X-Google-Attributes: gid108778,public
From: william brown <aerobill@epix.net>
Subject: Re: 220 MHz radios
Date: 1999/12/14
Message-ID: <3855F264.18C5D1EA@epix.net>#1/1
X-Deja-AN: 560431848
Content-Transfer-Encoding: 7bit
References: <Dr034.14213$%5.212860@news1.rdc1.sdca.home.com>
X-Accept-Language: en
X-Sender: "william brown" <default@out.epix.net> (Unverified)
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@epix.net
X-Trace: news1.epix.net 945156605 199.224.76.162 (Tue, 14 Dec 1999 02:30:05 EST)
MIME-Version: 1.0
Reply-To: aerobill@epix.net
NNTP-Posting-Date: Tue, 14 Dec 1999 02:30:05 EST
```

Newsgroups: alt.ham-radio.fm,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment

220 is such a fun band. I don't know if it's the chicken or the egg that
did it! (cost of radios, or, lack of use!)
In some instances, I think it's better than 2 meter fm.
It's a shame. :(

Randall Buxton wrote:
>
> Why are there so few HT's with 220 MHz band???? Wasn't this a band where a
> couple MHz were taken away because of ham inactivity and a campaign by ARRL
> to use the 220 band freqs or lose 'em??????   I see a lot of dual band HT's
> (for example)with 144/430 freqs but no 144/220 HT's. Why is that?
>
> Randall Buxton

From -474859091776249692
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,57ed1255e2bea6c1
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,57ed1255e2bea6c1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,57ed1255e2bea6c1
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108122,57ed1255e2bea6c1
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,57ed1255e2bea6c1
X-Google-Attributes: gid108778,public
From: "Dr. Harald Gerlach" <harald.gerlach@vs.dasa.de>
Subject: Re: 220 MHz radios
Date: 1999/12/15
Message-ID: <8385uo$k7p@newsserv.vs.dasa.de>#1/1
X-Deja-AN: 560951029
References: <Dr034.14213$%5.212860@news1.rdc1.sdca.home.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
Organization: Daimler-Benz Aerospace
X-MSMail-Priority: Normal
Newsgroups: alt.ham-radio.fm,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment

Hi,

the real reason is that only in the USA and in no other country this band
exists and because of this there are only a few hams who needs a equipment
for this band, and because of the low number of hams who needs this, the
industry do not develop these transceivers.

73 de DL2SAX, Harald

Randall Buxton <rbuxton@home.com> schrieb in im Newsbeitrag:
Dr034.14213$%5.212860@news1.rdc1.sdca.home.com...
> Why are there so few HT's with 220 MHz band???? Wasn't this a band where
a
> couple MHz were taken away because of ham inactivity and a campaign by
ARRL
> to use the 220 band freqs or lose 'em??????   I see a lot of dual band
HT's
> (for example)with 144/430 freqs but no 144/220 HT's. Why is that?
>
> Randall Buxton
>
>
>
>

From -5813257640275242731
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eb83f3ff1fe89058
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1128d6,eb83f3ff1fe89058
X-Google-Attributes: gid1128d6,public
From: "Richard O'Callahan Elliott" <elliotta@netusa1.net>
Subject: Re: Installing antenna in roof of minivan
Date: 1999/12/17
Message-ID: <Ezx64.131$fI1.1186@newsfeed.slurp.net>#1/1
X-Deja-AN: 562087392
Content-Transfer-Encoding: 7bit
References: <3855753e$1_7@goliath.newsfeeds.com>
X-Priority: 3
Content-Type: text/plain; charset="iso-8859-1"
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Trace: newsfeed.slurp.net 945464676 206.150.220.130 (Fri, 17 Dec 1999 15:04:36
CDT)
X-MSMail-Priority: Normal
MIME-Version: 1.0
NNTP-Posting-Date: Fri, 17 Dec 1999 15:04:36 CDT
Newsgroups: pdx.general,rec.ham-radio

Hello George. If I were you I would seek out a business that caters to the
"emergency radio" field. These type of shops install equipment for all kinds
of police and municipal vehicles. Good luck
"George Rachor" <george@agora.rdrop.com> wrote in message
news:3855753e$1_7@goliath.newsfeeds.com...
> I'm looking for a reliable business to install a HAM radio and antenna
> into my minivan. It would be a bit more complicated than most as the
radio

```
> controls are in a seperate faceplate and I'd like to mount these up where
> the sunglass holder would normally go.
>
> Anyone have a reccomendation?
>
> Thanks,
>
> George Rachor
> Beaverton, Oregon
> george@racsys.rt.rain.com
> --
> ========================================================
> George L. Rachor Jr. george@racsys.rt.rain.com
> Beaverton, Oregon               http://racsys.rt.rain.com
> United States of America        Amateur Radio : KD7DCX
>
>
>   -----------== Posted via Newsfeeds.Com, Uncensored Usenet News
==-----------
>    http://www.newsfeeds.com       The Largest Usenet Servers in the World!
> ------== Over 73,000 Newsgroups - Including  Dedicated  Binaries Servers
==------
```

```
From 3362379436167192345
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eb83f3ff1fe89058
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1128d6,eb83f3ff1fe89058
X-Google-Attributes: gid1128d6,public
From: "toast" <toast68@go.com>
Subject: Re: Installing antenna in roof of minivan
Date: 1999/12/17
Message-ID: <fZB64.6656$Ke.369710@tw11.nn.bcandid.com>#1/1
X-Deja-AN: 562176749
References: <3855753e$1_7@goliath.newsfeeds.com>
<Ezx64.131$fI1.1186@newsfeed.slurp.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Trace: tw11.nn.bcandid.com 945482699 209.101.148.40 (Fri, 17 Dec 1999 19:04:59
MST)
Organization: bCandid - Powering the world's discussions - http://bCandid.com
NNTP-Posting-Date: Fri, 17 Dec 1999 19:04:59 MST
Newsgroups: pdx.general,rec.ham-radio
```

And be prepared to pay dearly as the "professionals" charge an arm and a leg. Maybe get on a local repeater and find someone willing to help.

Richard O'Callahan Elliott wrote in message ...

>Hello George. If I were you I would seek out a business that caters to the
>"emergency radio" field. These type of shops install equipment for all
kinds
>of police and municipal vehicles. Good luck
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>radio
>> controls are in a seperate faceplate and I'd like to mount these up where
>> the sunglass holder would normally go.
>>
>> Anyone have a reccomendation?
>>
>> Thanks,
>>
>> George Rachor
>> Beaverton, Oregon
>> george@racsys.rt.rain.com
>> --
>> ==
>> George L. Rachor Jr. george@racsys.rt.rain.com
>> Beaverton, Oregon   http://racsys.rt.rain.com
>> United States of America   Amateur Radio : KD7DCX
>>
>>
>>   -----------== Posted via Newsfeeds.Com, Uncensored Usenet News
>==----------
>>   http://www.newsfeeds.com   The Largest Usenet Servers in the
World!
>> ------== Over 73,000 Newsgroups - Including Dedicated Binaries Servers
>==-----
>

From -4348316295827239955
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eb83f3ff1fe89058
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1128d6,eb83f3ff1fe89058
X-Google-Attributes: gid1128d6,public
From: "Richard O'Callahan Elliott" <elliotta@netusa1.net>
Subject: Re: Installing antenna in roof of minivan
Date: 1999/12/17
Message-ID: <%cC64.141$QU1.1337@newsfeed.slurp.net>#1/1
X-Deja-AN: 562184778
Content-Transfer-Encoding: 7bit
References: <3855753e$1_7@goliath.newsfeeds.com>
<Ezx64.131$fI1.1186@newsfeed.slurp.net> <fZB64.6656$Ke.369710@tw11.nn.bcandid.com>
X-Priority: 3

```
Content-Type: text/plain; charset="iso-8859-1"
X-Mimeole: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Trace: newsfeed.slurp.net 945483707 216.206.111.67 (Fri, 17 Dec 1999 20:21:47
CDT)
X-MSMail-Priority: Normal
MIME-Version: 1.0
NNTP-Posting-Date: Fri, 17 Dec 1999 20:21:47 CDT
Newsgroups: pdx.general,rec.ham-radio

When going through the roof of a new van I would prefer to pay the arm and
the leg for quality work and the guarantee (of no leaks ) that goes with it.
"toast" <toast68@go.com> wrote in message
news:fZB64.6656$Ke.369710@tw11.nn.bcandid.com...
> And be prepared to pay dearly as the "professionals" charge an arm and a
> leg.  Maybe get on a local repeater and find someone willing to help.
>
>
>
>
> Richard O'Callahan Elliott wrote in message ...
> >Hello George. If I were you I would seek out  a business that caters to
the
> >"emergency radio" field. These type of shops install equipment for all
> kinds
> >of police and municipal vehicles. Good luck
> >"George Rachor" <george@agora.rdrop.com> wrote in message
> >news:3855753e$1_7@goliath.newsfeeds.com...
> >> I'm looking for a reliable business to install a HAM radio and antenna
> >> into my minivan.  It would be a bit more complicated than most as the
> >radio
> >> controls are in a seperate faceplate and I'd like to mount these up
where
> >> the sunglass holder would normally go.
> >>
> >> Anyone have a reccomendation?
> >>
> >> Thanks,
> >>
> >> George Rachor
> >> Beaverton, Oregon
> >> george@racsys.rt.rain.com
> >> --
> >> =========================================================
> >> George L. Rachor Jr. george@racsys.rt.rain.com
> >> Beaverton, Oregon               http://racsys.rt.rain.com
> >> United States of America        Amateur Radio : KD7DCX
> >>
> >>
> >>   -----------== Posted via Newsfeeds.Com, Uncensored Usenet News
> >==----------
> >>    http://www.newsfeeds.com       The Largest Usenet Servers in the
> World!
> >> ------== Over 73,000 Newsgroups - Including  Dedicated  Binaries
```

```
Servers
> >==------
> >
>
>




From -6455418412330528861
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eb83f3ff1fe89058
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1128d6,eb83f3ff1fe89058
X-Google-Attributes: gid1128d6,public
From: "toast" <toast68@go.com>
Subject: Re: Installing antenna in roof of minivan
Date: 1999/12/17
Message-ID: <HKD64.7343$Ke.391844@tw11.nn.bcandid.com>#1/1
X-Deja-AN: 562202297
References: <3855753e$1_7@goliath.newsfeeds.com>
<Ezx64.131$fI1.1186@newsfeed.slurp.net> <fZB64.6656$Ke.369710@tw11.nn.bcandid.com>
<%cC64.141$QU1.1337@newsfeed.slurp.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Trace: tw11.nn.bcandid.com 945489959 209.101.148.68 (Fri, 17 Dec 1999 21:05:59
MST)
Organization: bCandid - Powering the world's discussions - http://bCandid.com
NNTP-Posting-Date: Fri, 17 Dec 1999 21:05:59 MST
Newsgroups: pdx.general,rec.ham-radio

Well, I have drilled holes in the last 5 new cars I have purchased, the most
recent being the roof of a 1999 Astro Van,  and the best time to do it is
the day you buy the car.  It is usually when you are the most cautious!  LOL


Richard O'Callahan Elliott wrote in message
>When going through the roof of a new van I would prefer to pay the arm and
>the leg for quality work and the guarantee (of no leaks ) that goes with
it.
>"toast" <toast68@go.com> wrote in message
>news:fZB64.6656$Ke.369710@tw11.nn.bcandid.com...
>> And be prepared to pay dearly as the "professionals" charge an arm and a
>> leg.  Maybe get on a local repeater and find someone willing to help.
>>
>>
>>
>>
>> Richard O'Callahan Elliott wrote in message ...
>> >Hello George. If I were you I would seek out  a business that caters to
>the
>> >"emergency radio" field. These type of shops install equipment for all
>> kinds
>> >of police and municipal vehicles. Good luck
>> >"George Rachor" <george@agora.rdrop.com> wrote in message
>> >news:3855753e$1_7@goliath.newsfeeds.com...
>> >> I'm looking for a reliable business to install a HAM radio and antenna
>> >> into my minivan.  It would be a bit more complicated than most as the
>> >radio
>> >> controls are in a seperate faceplate and I'd like to mount these up
>where
>> >> the sunglass holder would normally go.
>> >>
>> >> Anyone have a reccomendation?
>> >>
>> >> Thanks,
>> >>
>> >> George Rachor
>> >> Beaverton, Oregon
>> >> george@racsys.rt.rain.com
>> >> --
>> >> ========================================================
>> >> George L. Rachor Jr. george@racsys.rt.rain.com
>> >> Beaverton, Oregon               http://racsys.rt.rain.com
>> >> United States of America        Amateur Radio : KD7DCX
>> >>
>> >>
>> >>   -----------== Posted via Newsfeeds.Com, Uncensored Usenet News
>> >==----------
>> >>    http://www.newsfeeds.com       The Largest Usenet Servers in the
>> World!
>> >> ------== Over 73,000 Newsgroups - Including  Dedicated  Binaries
>Servers
>> >==-----
>> >
>>
>>
>
```

```
From -5550915190623016854
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eb83f3ff1fe89058
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1128d6,eb83f3ff1fe89058
X-Google-Attributes: gid1128d6,public
From: "toast" <toast68@go.com>
Subject: Re: Installing antenna in roof of minivan
Date: 1999/12/17
Message-ID: <COD64.7372$Ke.387170@tw11.nn.bcandid.com>#1/1
X-Deja-AN: 562204138
References: <3855753e$1_7@goliath.newsfeeds.com>
<Ezx64.131$fI1.1186@newsfeed.slurp.net> <fZB64.6656$Ke.369710@tw11.nn.bcandid.com>
<%cC64.141$QU1.1337@newsfeed.slurp.net>
```

X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Trace: tw11.nn.bcandid.com 945490210 209.101.148.68 (Fri, 17 Dec 1999 21:10:10 MST)
Organization: bCandid - Powering the world's discussions - http://bCandid.com
NNTP-Posting-Date: Fri, 17 Dec 1999 21:10:10 MST
Newsgroups: pdx.general,rec.ham-radio

Actually, I would never recommend trying it alone on a new vehicle unless
you have tried it a few times on an older vehicle first. Also, I bought a
3/4" chassis punch just for the NMO mount antennas I usually mount. I would
never try to put an antenna in just using a drill to get to the required
size.

Richard O'Callahan Elliott wrote in message
>When going through the roof of a new van I would prefer to pay the arm and
>the leg for quality work and the guarantee (of no leaks) that goes with
it.
>"toast" <toast68@go.com> wrote in message
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>> And be prepared to pay dearly as the "professionals" charge an arm and a
>> leg. Maybe get on a local repeater and find someone willing to help.
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>> >of police and municipal vehicles. Good luck
>> >"George Rachor" <george@agora.rdrop.com> wrote in message
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>> >> George Rachor
>> >> Beaverton, Oregon
>> >> george@racsys.rt.rain.com
>> >> --
>> >> ==
>> >> George L. Rachor Jr. george@racsys.rt.rain.com
>> >> Beaverton, Oregon http://racsys.rt.rain.com

>> >> United States of America   Amateur Radio : KD7DCX
>> >>
>> >>
>> >>   -----------== Posted via Newsfeeds.Com, Uncensored Usenet News
>> >==----------
>> >>   http://www.newsfeeds.com   The Largest Usenet Servers in the
>> World!
>> >> ------== Over 73,000 Newsgroups - Including Dedicated Binaries
>Servers
>> >==-----
>> >
>>
>>
>

From -4322530212599158053
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,57ed1255e2bea6c1
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,57ed1255e2bea6c1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,57ed1255e2bea6c1
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,57ed1255e2bea6c1
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,57ed1255e2bea6c1
X-Google-Attributes: gidfa656,public
From: EH <h@telerama.com>
Subject: Re: 220 MHz radios
Date: 1999/12/19
Message-ID: <385CB39A.E56F4AE4@telerama.com>#1/1
X-Deja-AN: 562720275
Content-Transfer-Encoding: 7bit
References: <Dr034.14213$%5.212860@news1.rdc1.sdca.home.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: newsabuse@supernews.com
Organization: Posted via Supernews, http://www.supernews.com
MIME-Version: 1.0
Reply-To: h@telerama.com
Newsgroups: alt.ham-radio.fm,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment

Sorry to say the demand isn't there. 220 is a neat band, but for some reason nobody in my area (Pittsburgh) uses it. Hell, these chumps don't even want to try 440!!! Sad, very sad.....
                    Ed N3KEX

Randall Buxton wrote:

> Why are there so few HT's with 220 MHz band???? Wasn't this a band where a
> couple MHz were taken away because of ham inactivity and a campaign by ARRL
> to use the 220 band freqs or lose 'em??????   I see a lot of dual band HT's
> (for example)with 144/430 freqs but no 144/220 HT's. Why is that?
>
> Randall Buxton

From 8798218485589477149
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3da1269e46486a50
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,3da1269e46486a50
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,3da1269e46486a50
X-Google-Attributes: gid10ed5f,public
From: "Tim Thompson" <tlthompson@home.com>
Subject: for sale 40 amp power supply
Date: 1999/12/20
Message-ID: <ZAg74.2896$Px5.98519@news1.rdc1.ab.home.com>#1/1
X-Deja-AN: 562836494
References: <UrS44.16248$eh2.201405@news2.rdc1.on.home.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.ab.home.com 945657273 24.64.25.30 (Sun, 19 Dec 1999 18:34:33 PST)
Organization: @Home Network Canada
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 19 Dec 1999 18:34:33 PST
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-radio

for sale; diawa 400x,, powersupply, meter,voltage control..current readings,
protection circut, and fan..box and manual, only one and a half years
old..$275,, will send jpeg.. tim ve6bz, calgary, canada..
tlthompson@home.com

From 453514553211495808
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,57ed1255e2bea6c1
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,57ed1255e2bea6c1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,57ed1255e2bea6c1
X-Google-Attributes: gidfa656,public

```
X-Google-Thread: 108122,57ed1255e2bea6c1
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,57ed1255e2bea6c1
X-Google-Attributes: gid108778,public
From: "iain.kelly" <iain.kelly@ic24.net>
Subject: Re: 220 MHz radios
Date: 1999/12/24
Message-ID: <bvQ84.15524$E36.253078@news2-hme0>#1/1
X-Deja-AN: 564617188
References: <Dr034.14213$%5.212860@news1.rdc1.sdca.home.com>
<385CB39A.E56F4AE4@telerama.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: newsmaster@ic24.net
X-Trace: news2-hme0 946066503 195.44.211.124 (Fri, 24 Dec 1999 20:15:03 GMT)
Organization: www.ic24.net
X-MSMail-Priority: Normal
NNTP-Posting-Date: Fri, 24 Dec 1999 20:15:03 GMT
Newsgroups: alt.ham-radio.fm,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment
```

Here in the UK it's a bit like that with 70MHZ, gear is few and far between. The one rig with 4M off the shelf is the Yaesu FT-847. All others use transverters. Someone might think to design a transverter for 2M input and 220MHZ output.

73 de Iain
SWL QTH NE England

EH <h@telerama.com> wrote in message news:385CB39A.E56F4AE4@telerama.com...

```
> Sorry to say the demand isn't there.  220 is a neat band, but for some
reason
> nobody in my area (Pittsburgh) uses it.  Hell, these chumps don't even
want to
> try 440!!! Sad, very sad.....
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HT's
> > (for example)with 144/430 freqs but no 144/220 HT's.  Why is that?
> >
> > Randall Buxton
>
```

```
From 5284023675896217821
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f6c662fd7f9d2cd,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,6f6c662fd7f9d2cd,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 108122,6f6c662fd7f9d2cd,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,6f6c662fd7f9d2cd,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: f7653,6f6c662fd7f9d2cd,start
X-Google-Attributes: gidf7653,public
From: "RH" <w4et@arrl.net>
Subject: Ham Radio Site
Date: 1999/12/25
Message-ID: <Q4494.189$Rj.3407@news.apex.net>#1/1
X-Deja-AN: 564779746
X-Priority: 3
Content-Type: multipart/alternative; boundary="----
=_NextPart_000_01CD_01BF4EAE.2939E7C0"
X-Mimeole: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Trace: news.apex.net 946130352 209.250.42.225 (Sat, 25 Dec 1999 07:59:12 CST)
Organization: Apex Internet
X-MSMail-Priority: Normal
MIME-Version: 1.0
NNTP-Posting-Date: Sat, 25 Dec 1999 07:59:12 CST
Newsgroups: rec.ham-
radio,rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.d
x,rec.radio.amateur.equipment

This is a multi-part message in MIME format.

------=_NextPart_000_01CD_01BF4EAE.2939E7C0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

I would like to invite you to visit my Ham Radio Web Site

URL http://www.geocities.com/CapeCanaveral/Lab/3076

thanks and 73
Ron - W4ET

------=_NextPart_000_01CD_01BF4EAE.2939E7C0
Content-Type: text/html;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<HTML><HEAD>
<META content=3D"text/html; charset=3Diso-8859-1" =
http-equiv=3DContent-Type>
<META content=3D"MSHTML 5.00.2919.6307" name=3DGENERATOR>
<STYLE></STYLE>
</HEAD>
<BODY bgColor=3D#ffffff>
<DIV><FONT face=3DArial size=3D1>
<DIV><FONT face=3DArial size=3D1>I would like to invite you to visit my =
Ham Radio=20
Web Site</FONT></DIV>
<DIV>&nbsp;</DIV>
<DIV><FONT face=3DArial size=3D1>URL <A=20
href=3D"http://www.geocities.com/CapeCanaveral/Lab/3076">http://www.geoci=
ties.com/CapeCanaveral/Lab/3076</A></FONT></DIV>
<DIV>&nbsp;</DIV>
<DIV><FONT face=3DArial size=3D1>thanks and 73</FONT></DIV>
<DIV><FONT face=3DArial size=3D1>Ron - =
W4ET</FONT></DIV></FONT></DIV></BODY></HTML>

------=_NextPart_000_01CD_01BF4EAE.2939E7C0--
```

```
From 8656121488252737683
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0199c6a4c0ac46f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,d0199c6a4c0ac46f,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 108122,d0199c6a4c0ac46f,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,d0199c6a4c0ac46f,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 114a57,d0199c6a4c0ac46f,start
X-Google-Attributes: gid114a57,public
From: "David Cripps" <d-cripps@dircon.co.uk>
Subject: IC7076IIG or FT-100
Date: 1999/12/25
Message-ID: <386641c4$1_2@newsread3.dircon.co.uk>#1/1
X-Deja-AN: 565038438
X-Original-NNTP-Posting-Host: 194.112.32.19
X-Trace: reader.news.dircon.net 946225606 4119 194.112.32.19
Newsgroups: alt.ham-radio.hf,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur.equipment,uk.radio.amateur
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
```

Hi.

I'm after some advice, I'm looking to reduce the size of my shack (the XYL is getting a bit fed up and it will be cheaper to replace the rig!!). Anyway I'm down to either the Icom IC-706 IIG or the Yaesu FT-100.

I'd appreciate any comments on either rig.

73's and all the best for 2000.

David Cripps

From 5579767325258761827
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 107ada,a3c220cad0982da,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,a3c220cad0982da,start
X-Google-Attributes: gidfa656,public
From: "hooha" <markbone@accessus.net>
Subject: SWR problem
Date: 1999/12/26
Message-ID: <3866a3d1.0@news.accessus.net>#1/1
X-Deja-AN: 565141654
X-Trace: 26 Dec 1999 17:25:05 -0600, 207.206.139.235
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3

I have problems with my HF vertical. I am using a Butternut HF-9VX, and my SWR is very high on 20, 17, 15, 12, and 10 meters. I have a ground rod down and radials down, but it the SWR is up at infinite. What could be the problem?

Mark

From 1367814013798122991
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,a3c220cad0982da
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,a3c220cad0982da

X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: Tate <73KC7ZRU73@cyberhighway.net>
Subject: Re: SWR problem
Date: 1999/12/26
Message-ID: <3866B4CB.4BA5D527@cyberhighway.net>#1/1
X-Deja-AN: 565156618
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: news@cyberhighway.net
X-Trace: news.cyberhighway.net 946255052 31212 209.161.51.17 (27 Dec 1999 00:37:32 GMT)
Organization: http://www.cauce.org
Mime-Version: 1.0
Reply-To: stop.SPAM.now@cyberhighway.net
NNTP-Posting-Date: 27 Dec 1999 00:37:32 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc

Bad connectors

Connectors not installed correctly

Bad coax

Wrong coax

Antenna parts corroded

Poor installation location

Ground ineffective

Matching system fried/defective

etc. etc.

I'm in no way a sky hook expert - but those are the places I'd start with

Good luck!

73

hooha wrote:

>
> I have problems with my HF vertical. I am using a Butternut HF-9VX, and my
> SWR is very high on 20, 17, 15, 12, and 10 meters. I have a ground rod down
> and radials down, but it the SWR is up at infinite. What could be the
> problem?

```
>
> Mark

--
                  KC7ZRU      |   In Laramie Area
                Laramie, WY   |    UARC Repeater
                  DN71eh      |      146.610
  "The Dungeon" online at http://www.cyberhighway.net/~tateb
               Remove 73s from addy to send email



From -6686342484539351286
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 107ada,a3c220cad0982da
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: "Reg Edwards" <G4fgq.Regp@btinternet.com>
Subject: Re: SWR problem
Date: 1999/12/27
Message-ID: <846gdm$5i1$1@uranium.btinternet.com>#1/1
X-Deja-AN: 565170640
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net>
Organization: Private Individual
X-MSMail-Priority: Normal
X-Priority: 3
Content-Type: text/plain; charset="iso-8859-1"
Mime-Version: 1.0
Reply-To: "Reg Edwards" <g4fgq.regp@btinternet.com>
X-Mimeole: Produced By Microsoft MimeOLE V5.00.2314.1300
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.
radio.amateur.misc
```

Ask yourself if you really have a problem. How does your antenna
perform on receive and transmit relative to other antennas within your
experience ? Or anybody else's antennas ?

Just because you are not happy with your SWR meter readings does not
mean very much.

```
================================
hooha <markbone@accessus.net> wrote in message
news:3866a3d1.0@news.accessus.net...
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```

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the
> problem?
>
> Mark
>
>

From -1279247148153898550
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,d0199c6a4c0ac46f
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,d0199c6a4c0ac46f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,d0199c6a4c0ac46f
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 108778,d0199c6a4c0ac46f
X-Google-Attributes: gid108778,public
X-Google-Thread: 114a57,d0199c6a4c0ac46f
X-Google-Attributes: gid114a57,public
From: "Leland C. Scott" <no-spam@junk-mail.net>
Subject: Re: IC7076IIG or FT-100
Date: 1999/12/27
Message-ID: <8476qa$65j@nnrp3.farm.idt.net>#1/1
X-Deja-AN: 565240677
Content-Transfer-Encoding: 7bit
References: <386641c4$1_2@newsread3.dircon.co.uk>
Organization: IDT (Best News In The World)
X-MSMail-Priority: Normal
X-Priority: 3
Content-Type: text/plain; charset="iso-8859-1"
Mime-Version: 1.0
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6600
Newsgroups: alt.ham-radio.hf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur.equipment,uk.radio.amateur

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>
> I'm after some advice, I'm looking to reduce the size of my shack (the XYL
> is getting a bit fed up and it will be cheaper to replace the rig!!).
Anyway
> I'm down to either the Icom IC-706 IIG or the Yaesu FT-100.
>
> I'd appreciate any comments on either rig.

Check out the URL below. It is a FT-847 BBS but there have been a fair number of people posting questions about the FT-100. Good place to get some honest feedback about the 100.

http://www.en.com/users/rayd/ft-847/wwwboard/wwwboard.html

http://www.wm7d.net/hamradio/ft100/ (a little out of date but worth checking out)

For the IC-706MKIIG check out the message board below. You will need to follow the Icom/ic706 links at the top of the page. Extremely good source of info and comments on the Icom rig.

http://www.vartel.com/discussiongroups.htm

http://www.halcyon.com/amreg/ (rig control software)

I would also read the reviews in QST for both rigs. If you have a current ARRL membership you can down load both reviews from the ARRL members only web site. QST had some interesting things to say about the FT-100 that you may want to know about. Also the now discontinued magazine, CQ-VHF, also did a review of both rigs, a few months ago, that may interest you too.

Myself, after reading the reviews, news group posts etc. I elected to get the Icom rig over the FT-100. When the FT-100 first came out both the 100 and the MKIIG were priced within $50 of each other. Now Yaesu has dropped the price so you can pick one up for around $1100 whereas Icom has not dropped their price. The question is why does Yaesu feel the need to undercut Icom's price by a couple of hundred dollars? When I went shopping for my rig I found out that more MKIIG's were being sold that 100's. I wonder why since the 100 is cheaper.

--
73's,

Leland C. Scott
KC8LDO

ARRL member
NCI member

"You ask what Morse Code is good for? I'll tell you. Morse
Code is used exclusively by Electronics Based life forms to
communicate amongst themselves using advanced Organic
Digital Signal Processors, running state of the art Artificial
Intelligence Software, to perform the highly complex
transmit encryption, receive decryption and error correction
functions."

From -1998638866686961524
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,6a60d8937b9bb9b0,start
X-Google-Attributes: gid1091c5,public
X-Google-Thread: f557d,6a60d8937b9bb9b0,start
X-Google-Attributes: gidf557d,public
X-Google-Thread: 10c9e3,6a60d8937b9bb9b0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,6a60d8937b9bb9b0,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: fb049,6a60d8937b9bb9b0,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f55c2,6a60d8937b9bb9b0,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 10ed5f,6a60d8937b9bb9b0,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 123701,6a60d8937b9bb9b0,start
X-Google-Attributes: gid123701,public
From: "TheAnka" <daniel_nec@yahoo.com>
Subject: AlincoDJ-190 mod?
Date: 1999/12/27
Message-ID: <JJF94.15442$Ym1.553032@tw11.nn.bcandid.com>#1/1
X-Deja-AN: 565246059
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6700
X-Trace: tw11.nn.bcandid.com 946284521 208.170.121.124 (Mon, 27 Dec 1999 01:48:41 MST)
Organization: bCandid - Powering the world's discussions - http://bCandid.com
X-MSMail-Priority: Normal
NNTP-Posting-Date: Mon, 27 Dec 1999 01:48:41 MST
Newsgroups: alabama.birmingham.radio.amateur,alt.ham-radio,alt.ham-radio.amtor.mods,alt.ham-radio.fm,alt.ham-radio.mods,alt.ham-radio.vhf-uhf,in.ham-radio,rec.ham-radio,relcom.radio.ham

Anyone know any extended TX mod for the Alinco DJ-190?
Any response is greatly appreciated.

Thanks
Daniel <TheAnka>
daniel_nec@yahoo.com

From -6281315856247652769
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0199c6a4c0ac46f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,d0199c6a4c0ac46f
X-Google-Attributes: gid108122,public

```
X-Google-Thread: 108778,d0199c6a4c0ac46f
X-Google-Attributes: gid108778,public
X-Google-Thread: f64c6,d0199c6a4c0ac46f
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 114a57,d0199c6a4c0ac46f
X-Google-Attributes: gid114a57,public
From: Chris Kirby <g4fzn@yahoo.com>
Subject: Re: IC7076IIG or FT-100
Date: 1999/12/27
Message-ID: <38672d7e.5198295@news.freeserve.net>#1/1
X-Deja-AN: 565261374
References: <386641c4$1_2@newsread3.dircon.co.uk>
X-Complaints-To: abuse@theplanet.net
X-Trace: newsg4.svr.pol.co.uk 946289823 17788 62.136.74.25 (27 Dec 1999 10:17:03
GMT)
Organization: Customer of Planet Online
NNTP-Posting-Date: 27 Dec 1999 10:17:03 GMT
Newsgroups: alt.ham-radio.hf,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur.equipment,uk.radio.amateur

"David Cripps" wrote:

>Hi.
>
>I'm after some advice, I'm looking to reduce the size of my shack (the XYL
>is getting a bit fed up and it will be cheaper to replace the rig!!). Anyway
>I'm down to either the Icom IC-706 IIG or the Yaesu FT-100.
>
>I'd appreciate any comments on either rig.


Hi David,

At the risk of repeating some comments in another recent thread, the
receiver in the 706 is sensitive, however on a band with lots of
strong signals, such as 40m, it does not perform quite as well as a
rig designed for base station use. But you have to balance this
against the size and capabilities of the set. I have a 706 (early
model), but I've decided to keep the main hf rig (Yaesu) for use in
the shack.

Seasons greetings, Chris




From 6429083660793047955
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,a3c220cad0982da
X-Google-Attributes: gid107ada,public
```

X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: Gord Skiffington <skiffing@nbnet.nb.ca>
Subject: Re: SWR problem
Date: 1999/12/27
Message-ID: <38665788.7970@nbnet.nb.ca>#1/1
X-Deja-AN: 565345402
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@nbnet.nb.ca
X-Trace: sodalite.nbnet.nb.ca 946312141 198.164.245.164 (Mon, 27 Dec 1999 12:29:01 AST)
Organization: NBTel Internet
MIME-Version: 1.0
NNTP-Posting-Date: Mon, 27 Dec 1999 12:29:01 AST
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc

Howdy Mark.....I'd also like to know what you see for VSWR on the lower frequency bands, however, assuming that they might be bad as well, I'd suggest eliminating the feedline first......disconnect from the antenna, check for basic continuity end-to-end (use low ohms position of your meter....or at least a dc test light).....next check for a short or relatively low resistance path across the feedline (use high ohms position here and progressively go lower - keep your fingers OFF of the probes!). These previous tests are done with both ends of the feedline disconnected at the same time of course. If it looks ok with this simple sort of testing, then terminate the antenna end with a known-good dummy load and retest using your transmitter (low power) and VSWR meter or a through line type of wattmeter if you have one available. The wattmeter can be used at both ends in order that you might show up some major loss in the feedline (use the dummy load for this). If this STILL shows high then you have to decide whether its the feedline (coax) itself or a connector you've maybe put on OR...whether its a problem with the VSWR meter you're using (try a substitute unit if there's any doubt OR if using a wattmeter looks GOOD but the VSWR looks BAD). IF all this checks out, then its time for a good physical inspection of the antenna and installation and reviewing any notes regarding the history of the antenna and its installation (DID it WORK at any point....if it did then something failed.....DID it WORK at a previous installation? Was there any point in the installation that you felt you may have overrotated a joint or stressed a trap etc etc....being honest here might save you a pile of time).

Lastly a note on the installation, really without knowing how you've set up your radials etc.....DO NOT put your vertical up right next to your house (strapped onto it etc). Worse still, would be close placement to a metal sided building etc - I remember the grief I had, as a youngster, trying to get a much-heralded GOTHAM VERTICAL to "work" (Anyone remember THOSE heheh).

73 - Keep on Tinkering.....THAT......is REAL HAM RADIO

Gord Skiffington - VE1AJF

From 598313740358964661
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 107ada,a3c220cad0982da
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: Gary Danaher <gdanaher@home.com>
Subject: Re: SWR problem
Date: 1999/12/31
Message-ID: <386C251C.50212676@home.com>#1/1
X-Deja-AN: 566747991
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <38665788.7970@nbnet.nb.ca>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.tx.home.com 946611553 24.7.30.169 (Thu, 30 Dec 1999 19:39:13 PST)
Organization: @Home Network
MIME-Version: 1.0
NNTP-Posting-Date: Thu, 30 Dec 1999 19:39:13 PST
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc

The key was that you said it was off the wall on the bands. Sounds like
the problem is in the feed line going to the antenna. Check for a short.
For what it's worth, I have a vertical next to the house for space
reasons and have worked 306 countries on it with good swr.

Gord Skiffington wrote:
>
> Howdy Mark.....I'd also like to know what you see for VSWR on the lower
> frequency bands, however, assuming that they might be bad as well, I'd
> suggest eliminating the feedline first......disconnect from the antenna,
> check for basic continuity end-to-end (use low ohms position of your
> meter....or at least a dc test light).....next check for a short or
> relatively low resistance path across the feedline (use high ohms
> position here and progressively go lower - keep your fingers OFF of the

> probes!). These previous tests are done with both ends of the feedline
> disconnected at the same time of course. If it looks ok with this
> simple sort of testing, then terminate the antenna end with a known-good
> dummy load and retest using your transmitter (low power) and VSWR meter
> or a through line type of wattmeter if you have one available. The
> wattmeter can be used at both ends in order that you might show up some
> major loss in the feedline (use the dummy load for this). If this STILL
> shows high then you have to decide whether its the feedline (coax)
> itself or a connector you've maybe put on OR...whether its a problem
> with the VSWR meter you're using (try a substitute unit if there's any
> doubt OR if using a wattmeter looks GOOD but the VSWR looks BAD). IF
> all this checks out, then its time for a good physical inspection of the
> antenna and installation and reviewing any notes regarding the history
> of the antenna and its installation (DID it WORK at any point....if it
> did then something failed.....DID it WORK at a previous installation?
> Was there any point in the installation that you felt you may have
> overrotated a joint or stressed a trap etc etc....being honest here
> might save you a pile of time).
>
> Lastly a note on the installation, really without knowing how you've set
> up your radials etc.....DO NOT put your vertical up right next to your
> house (strapped onto it etc). Worse still, would be close placement to
> a metal sided building etc - I remember the grief I had, as a youngster,
> trying to get a much-heralded GOTHAM VERTICAL to "work" (Anyone
> remember THOSE heheh).
>
> 73 - Keep on Tinkering.....THAT......is REAL HAM RADIO
>
> Gord Skiffington - VE1AJF

```
From -8952882103166552022
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,a3c220cad0982da
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: Raffy Shammay <shammay@bigpond.net.au>
Subject: SWR problem
Date: 2000/01/01
Message-ID: <386E71C5.1CD88FB6@bigpond.net.au>#1/1
X-Deja-AN: 567215639
Content-Transfer-Encoding: 8bit
References: <3866a3d1.0@news.accessus.net>
X-Accept-Language: en,en-GB
Content-Type: text/plain; charset=x-user-defined
```

X-Complaints-To: news@bigpond.net.au
X-Trace: news-server.bigpond.net.au 946762459 24.192.59.206 (Sun, 02 Jan 2000 08:34:19 EST)
Organization: BigPond Internet Services (http://www.bigpond.net.au)
MIME-Version: 1.0
NNTP-Posting-Date: Sun, 02 Jan 2000 08:34:19 EST
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc

I had one of those antennae.

I found that the gap between the first and second sections (the one that has a solid tube plastic-like insulator) seemed to get black with dust etc. Cleaning it brought the SWR back.

Also, when I had first assembled it, the factory drilled holes were *NOT* in the right position. Measure everything again, step by step.
It's a very good antenna so it's worth persisting.
I left mine down when, after a storm, the mounting brackets had worked their way loose and allowed the antenna to fall, thankfully not on the neighbours kids!

�The antenna is designed to sway through about 60 degrees in high wind, and it puts a lot of stress on the mounting system
�

Best of luck
73 de Raffy VK2RF

hooha wrote:

> I have problems with my HF vertical. I am using a Butternut HF-9VX, and my
> SWR is very high on 20, 17, 15, 12, and 10 meters. I have a ground rod down
> and radials down, but it the SWR is up at infinite. What could be the
> problem?
>
> Mark

From 2340446508810461416
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,a3c220cad0982da
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public

From: "Mark Bone" <markbone@accessus.net>
Subject: Re: SWR problem
Date: 2000/01/02
Message-ID: <386eed47.0@news.accessus.net>#1/1
X-Deja-AN: 567324880
References: <3866a3d1.0@news.accessus.net> <38665788.7970@nbnet.nb.ca>
<386C251C.50212676@home.com>
X-Trace: 2 Jan 2000 00:16:39 -0600, 207.206.139.202
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3

Found out that I need a new 60 pf capacitor and the ground rod connection needed to be replaced. Thanks for the help

Mark

From -1170239081206359129
X-Google-Language: SPANISH,ASCII
X-Google-Thread: 10c9e3,a7ddc2ad5e77ee42,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,a7ddc2ad5e77ee42,start
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,a7ddc2ad5e77ee42,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f64c6,a7ddc2ad5e77ee42,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fb049,a7ddc2ad5e77ee42,start
X-Google-Attributes: gidfb049,public
From: "Salva C" <scervero@airtel.net>
Subject: RE: Help: Want Icom IC-25 or IC-25H Schematic Diagram.
Date: 2000/01/05
Message-ID: <84vajo$55b11@psi-news.airtel.net>#1/1
X-Deja-AN: 568598379
References: <386EF0E6.DCCBF6C5@hongkong.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
Organization: Airtel.net
X-MSMail-Priority: Normal
Newsgroups: uk.radio.amateur,rec.radio.amateur,rec.ham-radio,alt.radio.amateur,alt.ham-radio.vhf-uhf

Please gime me you e-mail adress.

Shui Bei <shui.bei@hongkong.com> escribi� en el mensaje de noticias
386EF0E6.DCCBF6C5@hongkong.com...
>

>

From 242222360554429912
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5f0bbfde2daa252b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,5f0bbfde2daa252b
X-Google-Attributes: gid108122,public
X-Google-Thread: fb049,5f0bbfde2daa252b
X-Google-Attributes: gidfb049,public
X-Google-Thread: f84e8,5f0bbfde2daa252b
X-Google-Attributes: gidf84e8,public
X-Google-Thread: fa656,5f0bbfde2daa252b
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,5f0bbfde2daa252b
X-Google-Attributes: gid107ada,public
X-Google-Thread: f7653,5f0bbfde2daa252b
X-Google-Attributes: gidf7653,public
X-Google-Thread: f4306,5f0bbfde2daa252b
X-Google-Attributes: gidf4306,public
From: Larry Benko <benko@aztek-eng.com>
Subject: Re: Logbook Program
Date: 2000/01/05
Message-ID: <3873A4B2.1D049023@aztek-eng.com>#1/1
X-Deja-AN: 568775947
Content-Transfer-Encoding: 7bit
References: <3873901b.0@news.accessus.net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@verinet.com
X-Trace: news.frii.net 947102959 206.168.36.70 (Wed, 05 Jan 2000 13:09:19 MST)
Organization: Verinet Communications, Inc. (970/224-5551)
MIME-Version: 1.0
NNTP-Posting-Date: Wed, 05 Jan 2000 13:09:19 MST
Newsgroups: alt.ham-radio.packet,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc

Mark,

Go to www.ac6v.com and look for logging programs.
IMHO the 3 best Windoes based ones are DXBase2000,
DX4WIN, and Logger (which is free). However
LogEQF is also very popular.

Larry Benko, W0QE

Mark Bone wrote:
>

> Where can I find a good logging program?
>
> Mark

From 5932636440578169460
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5f0bbfde2daa252b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,5f0bbfde2daa252b
X-Google-Attributes: gid108122,public
X-Google-Thread: f84e8,5f0bbfde2daa252b
X-Google-Attributes: gidf84e8,public
X-Google-Thread: 107ada,5f0bbfde2daa252b
X-Google-Attributes: gid107ada,public
X-Google-Thread: fb049,5f0bbfde2daa252b
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa656,5f0bbfde2daa252b
X-Google-Attributes: gidfa656,public
X-Google-Thread: f7653,5f0bbfde2daa252b
X-Google-Attributes: gidf7653,public
X-Google-Thread: f4306,5f0bbfde2daa252b
X-Google-Attributes: gidf4306,public
From: Bill <kg8aw@ismi.net>
Subject: Re: Logbook Program
Date: 2000/01/05
Message-ID: <3873C9F2.60850B88@ismi.net>#1/1
X-Deja-AN: 568849762
Content-Transfer-Encoding: 7bit
References: <3873901b.0@news.accessus.net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: 5 Jan 2000 18:09:50 -0500, tc7-34.ismi.net
MIME-Version: 1.0
Newsgroups: alt.ham-radio.packet,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc

Check out http://www.itis.net/eqf It one of the better
logging programs.

Mark Bone wrote:
>
> Where can I find a good logging program?
>
> Mark

--
This message was sent using 100% recycled electrons.

```
From 1948292236307947312
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5f0bbfde2daa252b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,5f0bbfde2daa252b
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,5f0bbfde2daa252b
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb049,5f0bbfde2daa252b
X-Google-Attributes: gidfb049,public
X-Google-Thread: 107ada,5f0bbfde2daa252b
X-Google-Attributes: gid107ada,public
X-Google-Thread: f84e8,5f0bbfde2daa252b
X-Google-Attributes: gidf84e8,public
X-Google-Thread: f4306,5f0bbfde2daa252b
X-Google-Attributes: gidf4306,public
X-Google-Thread: f7653,5f0bbfde2daa252b
X-Google-Attributes: gidf7653,public
From: Butch Magee <butchkay@netdoor.com>
Subject: Re: Logbook Program
Date: 2000/01/06
Message-ID: <3873FDF9.999DA48C@netdoor.com>#1/1
X-Deja-AN: 568920075
Content-Transfer-Encoding: 7bit
References: <3873901b.0@news.accessus.net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: tw11.nn.bcandid.com 947125841 208.137.132.188 (Wed, 05 Jan 2000 19:30:41
MST)
Organization: bCandid - Powering the world's discussions - http://bCandid.com
MIME-Version: 1.0
NNTP-Posting-Date: Wed, 05 Jan 2000 19:30:41 MST
Newsgroups: alt.ham-radio.packet,alt.ham-radio.vhf-uhf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.digital,rec.radio.amateur.digital.misc,r
ec.radio.amateur.equipment,rec.radio.amateur.misc
```

log-eqf.com   or might be logeqf.com you can find a link a AC6Vs sites,
you should have all AC6Vs sites bookmaarked anyway-best site by far of
all the sites and log-eqf is just about the best logging program out
there. It is worth far more than he charges. I got the rig control
from eqf also.

Butch KF5DE

Mark Bone wrote:

> Where can I find a good logging program?
>
> Mark

```
From -2406152816000301904
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6995f9331d92291b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,6995f9331d92291b,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 101046,6995f9331d92291b,start
X-Google-Attributes: gid101046,public
X-Google-Thread: fa656,6995f9331d92291b,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fe08a,6995f9331d92291b,start
X-Google-Attributes: gidfe08a,public
From: You <spam@me.now>
Subject: Audio of Amateur Radio in Florida USA
Date: 2000/01/15
Message-ID: <3880B496.6F239C0D@me.now>#1/1
X-Deja-AN: 573047917
Content-Transfer-Encoding: 7bit
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@prodigy.com
X-Trace: newssvr04-int.news.prodigy.com 947958933 2989337 209.156.8.67 (15 Jan
2000 17:55:33 GMT)
Organization: Prodigy Internet http://www.prodigy.com
Mime-Version: 1.0
NNTP-Posting-Date: 15 Jan 2000 17:55:33 GMT
Newsgroups:
rec.radio.amateur,rec.radio.scanner,alt.radio,alt.radio.internet,rec.ham-radio

Listen to the CFLG Net

 http://www.qsl.net/n4tyv/cflg/




From 6052648916491065724
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6995f9331d92291b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,6995f9331d92291b
X-Google-Attributes: gidfa029,public
X-Google-Thread: fe08a,6995f9331d92291b
X-Google-Attributes: gidfe08a,public
X-Google-Thread: 101046,6995f9331d92291b
X-Google-Attributes: gid101046,public
X-Google-Thread: fa656,6995f9331d92291b
X-Google-Attributes: gidfa656,public
From: "Bubba Joe" <bubbajoe@mail.usa.net>
Subject: Re: Audio of Amateur Radio in Florida USA
Date: 2000/01/15
Message-ID: <Yn7g4.1594$%61.15283@typhoon3.tampabay.rr.com>#1/1
X-Deja-AN: 573151988
```

References: <3880B496.6F239C0D@me.now>
X-Priority: 3
X-Mimeole: Produced By Microsoft MimeOLE V5.00.2919.6600
X-Complaints-To: abuse@rr.com
X-Trace: typhoon3.tampabay.rr.com 947978872 24.95.233.83 (Sat, 15 Jan 2000
18:27:52 EST)
Organization: RoadRunner - Orlando
X-MSMail-Priority: Normal
Reply-To: "Bubba Joe" <bubbajoe@mail.usa.net>
NNTP-Posting-Date: Sat, 15 Jan 2000 18:27:52 EST
Newsgroups:
rec.radio.amateur,rec.radio.scanner,alt.radio,alt.radio.internet,rec.ham-radio

Hey, thanks for that. Was interesting to listen to.

palm bay, fl

"You" <spam@me.now> wrote in message news:3880B496.6F239C0D@me.now...
> Listen to the CFLG Net
>
> http://www.qsl.net/n4tyv/cflg/
>

From -1478616150739957774
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,9c2df7d55fb41d10,start
X-Google-Attributes: gid108228,public
X-Google-Thread: fc734,9c2df7d55fb41d10,start
X-Google-Attributes: gidfc734,public
X-Google-Thread: 10c9e3,9c2df7d55fb41d10,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9356,9c2df7d55fb41d10,start
X-Google-Attributes: gidf9356,public
X-Google-Thread: 10ed5f,9c2df7d55fb41d10,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f7796,9c2df7d55fb41d10,start
X-Google-Attributes: gidf7796,public
X-Google-Thread: f55c2,9c2df7d55fb41d10,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: f76e2,9c2df7d55fb41d10,start
X-Google-Attributes: gidf76e2,public
From: "David Erickson" <drerickson@home.com>
Subject: KLM Echo 70cm
Date: 2000/01/17
Message-ID: <VvIg4.3385$jB.22735@news.rdc1.md.home.com>#1/1
X-Deja-AN: 573833363
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200

X-Complaints-To: abuse@home.net
X-Trace: news.rdc1.md.home.com 948130933 24.9.154.156 (Mon, 17 Jan 2000 09:42:13 PST)
Organization: @Home Network
X-MSMail-Priority: Normal
NNTP-Posting-Date: Mon, 17 Jan 2000 09:42:13 PST
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.ham-radio.mods,alt.ham-radio.morse,alt.ham-radio.ssb,dc.ham-radio,rec.ham-radio,rec.ham-radio.swap

I'm looking for any mods for a KLM Echo 70cm 432 Transceiver. A friend of my fathers gave it to me years ago and I just now got it all tuned up and working but the receiver isn't very sensitive and it also chirps when transmitting cw. I'm missing the manuals and schematics well so if anyone knows of where i can get them or can copy them and send a copy to me i'd appreciate it.

Thanks,
Dave Erickson
KA3TNY

From 8992776585435385669
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2517ae0ae9e59297,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,2517ae0ae9e59297,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fddbf,2517ae0ae9e59297,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,2517ae0ae9e59297,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fcc6e,2517ae0ae9e59297,start
X-Google-Attributes: gidfcc6e,public
From: "O. Bj�rn Madsen" <obm@image.dk>
Subject: 50 MHz DX Bulletin (#00-003)
Date: 2000/01/23
Message-ID: <jbui4.436$p4.4339@news030.image.dk>#1/1
X-Deja-AN: 576363860
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
X-Complaints-To: news-abuse@wol.dk
X-Trace: news030.image.dk 948596559 212.54.69.106 (Sun, 23 Jan 2000 04:02:39 MET)
NNTP-Posting-Date: Sun, 23 Jan 2000 04:02:39 MET
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna

Dr OM/YL

This mail to inform You that the latest edition
of the OZ50MHz DX Bulletin #00-003 is now uploaded
at my website, at the adress;

http://www.qsl.net/oz6om/

Please have in mind that the OZ50MHz DX Bulletin
normaly is uploaded late Saturday evening (UT time)

vy 73 de OZ6OM / OZ7M "Matt"

From -1540373819559843970
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,19a9a4a92d685a91
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,19a9a4a92d685a91
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,19a9a4a92d685a91
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 1009ad,19a9a4a92d685a91
X-Google-Attributes: gid1009ad,public
X-Google-Thread: f4306,19a9a4a92d685a91
X-Google-Attributes: gidf4306,public
X-Google-Thread: f76e2,19a9a4a92d685a91
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fb049,19a9a4a92d685a91
X-Google-Attributes: gidfb049,public
X-Google-Thread: fc8b1,19a9a4a92d685a91
X-Google-Attributes: gidfc8b1,public
From: ggarside <"imunroted"@ttnefvqr@pna-yvax.pbz>
Subject: Re: Need Info on HTX-202 lithium backup battery
Date: 2000/01/23
Message-ID: <QIKi4.41331$Dv1.954861@news2.rdc1.on.home.com>#1/1
X-Deja-AN: 576646807
Content-Transfer-Encoding: 7bit
References: <G8jV3.1364$Xc.9048@newsfeed.slurp.net> <382C4D76.55B@mobiletel.com>
X-Accept-Language: en,ja
Content-Type: text/plain; charset=iso-2022-jp
X-Complaints-To: abuse@home.net
X-Trace: news2.rdc1.on.home.com 948664240 24.114.165.158 (Sun, 23 Jan 2000 13:50:40 PST)
Organization: @Home Network Canada
MIME-Version: 1.0
NNTP-Posting-Date: Sun, 23 Jan 2000 13:50:40 PST
Newsgroups: alt.ham-radio.marketplace,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,alt.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur.boatanchors

mdwade wrote:
>
> richard d'avy wrote:
> >

> > Can anyone give me a identification number for the lithium battery used to
> > back up the memory in an HTX-202. Or does anyone know another source besides
> > Radio Shack for this battery. This is the third one I have to change in six
> > years, and I hate to give Radio Shack another $15.00.
> >
> > Richard
> I have replaced the lithuim battery with a coin cell holder using a #32
> coin type. Had to run a small twisted wire back to the board. No
> problems. Now I just change the coin wafer out of a permanenet holder
> mounted inside the radio.
> 73 de Martin N5PZJ

I did essentially the same thing - and the little holder came from the
local RadioShack, HI!
Just be careful re-assembling the critter, the holder thingy is a bit
larger.....
Geoff, VE3MYT/G3MYT

From 5329442217100217013
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: thanatos999@my-deja.com
Subject: Death Spiral of Amateur Radio accelerates
Date: 2000/01/24
Message-ID: <86i29f$ncc$1@nnrp1.deja.com>#1/1
X-Deja-AN: 576965336
References: <3866a3d1.0@news.accessus.net>
X-Http-Proxy: 1.0 PORT-PROXY, 1.0 x25.deja.com:80 (Squid/1.1.22) for client
216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Mon Jan 24 17:31:27 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

Before the
Federal Communications Commission
Washington, D.C. 20554

In the Matter of)   WT Docket No. 98-143
)
1998 Biennial Regulatory Review --)   RM-9148

Amendment of Part 97 of the Commission's   )   RM-9150
Amateur Service Rules.   )   RM-9196
)

If anyone has read this the LCD (non)thinkers get their way again.

First it was the 'no-code' license... "That will be enough" they said.
I knew that was BS... and history has proven me right.

The it was the much abused 'disability waiver' which I said long ago would cause rampant fraud and undermine the amateur radio service... few believed me and even though I am disabled I was attacked as someone who bashed those with disabilities.

Again, history proved me 100% correct.

Now we have the near final CB-ization of Amateur Radio...

a 5 wpm requirement for Amateur Extra with written exams where the questions and answers are publicly available and easily 90% of those passing the 'exams' (memory tests is more like what they are) will not have any clue as to the actual workings of the theories they are being 'tested' on.

At least the CW tests, while maybe not the most technically proficient, at least could not be fudged in this manner. You had to actually be COMPETENT in cw to pass the 20 wpm test.

Well, that simply reduces the quality even further, and unfortunately I fear that before the end of the next sunspot cycle Amateur Radio as we know it will cease to exist, being replaced with something akin to the sludge pot that is 11 meters.

The whiners who only are interested in the easy route for themselves and the profiteers who only have dollar signs in their eyes seeking to seel ever more radios win, and the hobby loses... again.

Dammit, sometimes I really hate being right.

And I really likes Amateur Radio... I fear I will not be able to say the same soon.

de WR7E

Sent via Deja.com http://www.deja.com/
Before you buy.

From -1188983867489279715
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da

```
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/24
Message-ID: <388C989D.E2B0980D@IEEE.org>#1/1
X-Deja-AN: 577012761
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
Organization: MindSpring Enterprises
X-Server-Date: 24 Jan 2000 18:28:11 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
```

thanatos999@my-deja.com wrote:

> First it was the 'no-code' license... "That will be enough" they said.
> I knew that was BS... and history has proven me right.

It was enough *at the time* to nudge the ARS out of the dark ages.
In Dec. '99, it was time for another nudge.

> Now we have the near final CB-ization of Amateur Radio...

That's what a lot of hams said when the no-code license was introduced.
It didn't happen. If CB troublemakers haven't flocked to the nocode tech
license, why would they study and pass a 5wpm Morse code requirement?

> At least the CW tests, while maybe not the most technically proficient,
> at least could not be fudged in this manner.

Of course they could. The Morse code was published in advance. They
merely rote-memorized the Morse code characters.

> Well, that simply reduces the quality even further, ...

That's simple to remedy. Simply raise the code requirement to 100wpm
and you'll get so much "quality" that the ARS will disappear for good.

> The whiners who only are interested in the easy route for themselves ...

What about the whiners who want to continue the easy federal subsidy
route for Morse code instead of having to expend some effort promoting
their favorite mode?
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From -3561106415449219046
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: thanatos999@my-deja.com
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/24
Message-ID: <86ibum$v71$1@nnrp1.deja.com>#1/1
X-Deja-AN: 577023706
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388C989D.E2B0980D@IEEE.org>
X-Http-Proxy: 1.0 PORT-PROXY, 1.0 x42.deja.com:80 (Squid/1.1.22) for client
216.111.243.130
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Mon Jan 24 20:16:29 2000 GMT
X-MyDeja-Info: XMYDJUIDthanatos999
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; I)

In article <388C989D.E2B0980D@IEEE.org>,
W6RCecilA <Cecil.A.Moore@IEEE.org> wrote:
> thanatos999@my-deja.com wrote:
> > First it was the 'no-code' license... "That will be enough" they
said.
> > I knew that was BS... and history has proven me right.
>
> It was enough *at the time* to nudge the ARS out of the dark ages.
> In Dec. '99, it was time for another nudge.

Like I said, it is never enough until they have simply turned amateur
radio into the sludge pit that is CB. The end result of the whiner
agenda is an absolute removal of any and all requirements, just like
with CB.

> > Now we have the near final CB-ization of Amateur Radio...
>
> That's what a lot of hams said when the no-code license was
introduced.
> It didn't happen. If CB troublemakers haven't flocked to the nocode
tech
> license, why would they study and pass a 5wpm Morse code requirement?

Most types like that look for the HF, not VHF. And I do not know about
you but *I* have noted a distinct decline in the quality of operators I

have been seeing even on the 2m repeaters.

> > At least the CW tests, while maybe not the most technically
proficient,
> > at least could not be fudged in this manner.

> Of course they could. The Morse code was published in advance. They
> merely rote-memorized the Morse code characters.

Excuse me but that is an idiotic statement. You cannot rote memorize 20
wpm. You either have the skill to receive at 20 wpm or you do not.

Check with most 'extras' after this nonsensical pollution plan is
enacted and you will find they have no clue about the theories they were
'tested' on even just a few months ago.

Quality has been dropped another dozen notches towards the LCD.

> > Well, that simply reduces the quality even further, ...
>
> That's simple to remedy. Simply raise the code requirement to 100wpm
> and you'll get so much "quality" that the ARS will disappear for good.

Nonsensical gibberish... much like everything you have had to say so
far.

> > The whiners who only are interested in the easy route for themselves

> What about the whiners who want to continue the easy federal subsidy
> route for Morse code instead of having to expend some effort promoting
> their favorite mode?
> --
> 73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

What ARE you ranting about? Where did someone get an extra class
license ONLY by passing the cw exam and not also by passing the written?

Where was this waiver for the written exam, Cecil?

I must have missed it.

Sent via Deja.com http://www.deja.com/
Before you buy.

From 2672828697150801653
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,a3c220cad0982da

X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: "Jack Taylor" <n7oo@theriver.com>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/24
Message-ID: <Pv2j4.51388$475.1218388@news4.giganews.com>#1/1
X-Deja-AN: 577058417
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
X-Complaints-To: abuse@GigaNews.Com
X-Trace: sv2-RhU5jWG0YVmVB79jwsEfK4vhiZGawWP15+mC4Vjor4kBLnbUJ1BI5FYvrU89dFX8oKRX2gWxfvkAdxZ!
YHca3yaoemo+PpXGRzxZxKbtCnYviQ==
Organization: Giganews.Com - Premium News Outsourcing
NNTP-Posting-Date: Mon, 24 Jan 2000 14:22:07 CST
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

No, my recollection that the no code license wasn't the first. It was giving 11 meters to the Citizens Band. However none of the events since may have been all bad. Today we have GMRS and FRS, what more could one ask for? Why just the other night my wifes purse woke us up (she forgot to turn the radio off) at 3:22 AM and alerted us to a drug deal in the immediate neighborhood going down! Now this is the kind of excitement one rarely hears on the ham bands :-)

As for scarcity of spectrum space, this is due to poor choice frequency allocations for TV. The VHF and UHF TV channel assignments are a waste. When I get to be King, all TV stations will be reassigned to Ku band satellite, opening up a huge spectrum of terrestrial frequencies in the process.

73 de Jack

thanatos999@my-deja.com wrote in message <86i29f$ncc$1@nnrp1.deja.com>...

```
>Before the
>               Federal Communications Commission
>                     Washington, D.C. 20554
>
>
>In the Matter of                   )         WT Docket No. 98-143
>                              )
>1998 Biennial Regulatory Review --           )         RM-9148
>Amendment of Part 97 of the Commission's     )         RM-9150
>Amateur Service Rules.             )         RM-9196
>                              )
>
>If anyone has read this the LCD (non)thinkers get their way again.
>
```

>First it was the 'no-code' license... "That will be enough" they said.
>I knew that was BS... and history has proven me right.
>
>The it was the much abused 'disability waiver' which I said long ago
>would cause rampant fraud and undermine the amateur radio service... few
>believed me and even though I am disabled I was attacked as someone who
>bashed those with disabilities.
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>Again, history proved me 100% correct.
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>passing the 'exams' (memory tests is more like what they are) will not
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>COMPETENT in cw to pass the 20 wpm test.
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>Well, that simply reduces the quality even further, and unfortunately I
>fear that before the end of the next sunspot cycle Amateur Radio as we
>know it will cease to exist, being replaced with something akin to the
>sludge pot that is 11 meters.
>
>The whiners who only are interested in the easy route for themselves and
>the profiteers who only have dollar signs in their eyes seeking to seel
>ever more radios win, and the hobby loses... again.
>
>Dammit, sometimes I really hate being right.
>
>And I really likes Amateur Radio... I fear I will not be able to say the
>same soon.
>
>de WR7E
>
>
>Sent via Deja.com http://www.deja.com/
>Before you buy.

```
From -4903164438867381082
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
```

```
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: "Edward L. Dowdy" <elIHATESPAMdowdy@net66.com>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/24
Message-ID: <a04j4.2724$OL2.99007@tw12.nn.bcandid.com>#1/1
X-Deja-AN: 577109831
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Trace: tw12.nn.bcandid.com 948751494 63.250.68.32 (Mon, 24 Jan 2000 15:04:54
MST)
Organization: bCandid - Powering the world's discussions - http://bCandid.com
X-MSMail-Priority: Normal
NNTP-Posting-Date: Mon, 24 Jan 2000 15:04:54 MST
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

GET OVER IT!

<thanatos999@my-deja.com> wrote in message
news:86i29f$ncc$1@nnrp1.deja.com...
> Before the
>                 Federal Communications Commission
>                       Washington, D.C. 20554
>
>
> In the Matter of                  )         WT Docket No. 98-143
>                              )
> 1998 Biennial Regulatory Review --          )         RM-9148
> Amendment of Part 97 of the Commission's     )         RM-9150
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> bashed those with disabilities.
>
> Again, history proved me 100% correct.
>
> Now we have the near final CB-ization of Amateur Radio...
>
> a 5 wpm requirement for Amateur Extra with written exams where the
> questions and answers are publicly available and easily 90% of those
> passing the 'exams' (memory tests is more like what they are) will not
> have any clue as to the actual workings of the theories they are being
> 'tested' on.
>
> At least the CW tests, while maybe not the most technically proficient,
> at least could not be fudged in this manner.  You had to actually be
> COMPETENT in cw to pass the 20 wpm test.
>
> Well, that simply reduces the quality even further, and unfortunately I
> fear that before the end of the next sunspot cycle Amateur Radio as we
> know it will cease to exist, being replaced with something akin to the
> sludge pot that is 11 meters.
>
> The whiners who only are interested in the easy route for themselves and
> the profiteers who only have dollar signs in their eyes seeking to seel
> ever more radios win, and the hobby loses... again.
>
> Dammit, sometimes I really hate being right.
>
> And I really likes Amateur Radio... I fear I will not be able to say the
> same soon.
>
> de WR7E
>
>
> Sent via Deja.com http://www.deja.com/
> Before you buy.
```

```
From -4768373044074699684
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/24
Message-ID: <388CEA4B.319E05D2@IEEE.org>#1/1
X-Deja-AN: 577167823
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388C989D.E2B0980D@IEEE.org> <86ibum$v71$1@nnrp1.deja.com>
Organization: MindSpring Enterprises
X-Server-Date: 25 Jan 2000 00:16:30 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-
```

```
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

thanatos999@my-deja.com wrote:
>
>   W6RCecilA <Cecil.A.Moore@IEEE.org> wrote:
> > Of course they could. The Morse code was published in advance. They
> > merely rote-memorized the Morse code characters.
>
> Excuse me but that is an idiotic statement.  You cannot rote memorize 20
> wpm.  You either have the skill to receive at 20 wpm or you do not.

Excuse me, but the faster the Morse code, the *MORE* rote-memorized
it has to be.

> Where was this waiver for the written exam, Cecil?

Who said anything about a written exam waiver? Wasn't me.
--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca




From -4661713896447652871
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: "Mark Flanagan" <markf@cshore.com>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/24
Message-ID: <s8q6ss7aeh6105@corp.supernews.com>#1/1
X-Deja-AN: 577232061
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: newsabuse@supernews.com
Organization: Posted via Supernews, http://www.supernews.com
X-MSMail-Priority: Normal
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

>
> Dammit, sometimes I really hate being right.
>
> And I really likes Amateur Radio... I fear I will not be able to say the
> same soon.
>
> de WR7E
```

Then quit, sell your stuff cheap and get out! I'm sure you won't be missed long.

Mark, K1MKF

From -5708328415427031317
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: Dean Arthur <dearthur@silverstar.com>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/24
Message-ID: <388D383A.55F5@silverstar.com>#1/1
X-Deja-AN: 577276516
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<a04j4.2724$OL2.99007@tw12.nn.bcandid.com>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: newsabuse@supernews.com
Organization: FUBAR
MIME-Version: 1.0
Reply-To: dearthur@silverstar.com
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

Well, the morals and responsibility of a people tend to follow the ease with which they obtain the luxuries of life and complain even then that it's too difficult, crowded or time-consuming.

We are on that mostly forgotten slippery slope to perdition. Enjoy the trip while you can; it won't last long.

From 6891036311954641522
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da

```
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: cobrano-spam@budweiser.com (kf6foz)
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/25
Message-ID: <388ce84b.2114786@news.thegrid.net>#1/1
X-Deja-AN: 577175804
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
X-Complaints-To: abuse@thegrid.net
X-Trace: alfalfa.thegrid.net 948760764 209.162.29.95 (Mon, 24 Jan 2000 16:39:24
PST)
Organization: The Grid
NNTP-Posting-Date: Mon, 24 Jan 2000 16:39:24 PST
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment


Sell your equipment so you dont have to hear the BS! Simple solution
to you ongoing agony!!!

On Mon, 24 Jan 2000 17:31:27 GMT, thanatos999@my-deja.com wrote:

>Before the
>               Federal Communications Commission
>                     Washington, D.C. 20554
>
>
>In the Matter of                   )         WT Docket No. 98-143
>                              )
>1998 Biennial Regulatory Review --           )         RM-9148
>Amendment of Part 97 of the Commission's     )         RM-9150
>Amateur Service Rules.             )         RM-9196
>                              )
>
>If anyone has read this the LCD (non)thinkers get their way again.
>
>First it was the 'no-code' license... "That will be enough" they said.
>I knew that was BS... and history has proven me right.
>
>The it was the much abused 'disability waiver' which I said long ago
>would cause rampant fraud and undermine the amateur radio service... few
>believed me and even though I am disabled I was attacked as someone who
>bashed those with disabilities.
>
>Again, history proved me 100% correct.
>
>Now we have the near final CB-ization of Amateur Radio...
>
>a 5 wpm requirement for Amateur Extra with written exams where the
>questions and answers are publicly available and easily 90% of those
```

```
>passing the 'exams' (memory tests is more like what they are) will not
>have any clue as to the actual workings of the theories they are being
>'tested' on.
>
>At least the CW tests, while maybe not the most technically proficient,
>at least could not be fudged in this manner.  You had to actually be
>COMPETENT in cw to pass the 20 wpm test.
>
>Well, that simply reduces the quality even further, and unfortunately I
>fear that before the end of the next sunspot cycle Amateur Radio as we
>know it will cease to exist, being replaced with something akin to the
>sludge pot that is 11 meters.
>
>The whiners who only are interested in the easy route for themselves and
>the profiteers who only have dollar signs in their eyes seeking to seel
>ever more radios win, and the hobby loses... again.
>
>Dammit, sometimes I really hate being right.
>
>And I really likes Amateur Radio... I fear I will not be able to say the
>same soon.
>
>de WR7E
>
>
>Sent via Deja.com http://www.deja.com/
>Before you buy.

http://www.qsl.net/kf6foz/



From 4657741675130338228
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: cobrano-spam@budweiser.com (kf6foz)
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/25
Message-ID: <388d2c21.3508841@news.thegrid.net>#1/1
X-Deja-AN: 577263666
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<s8q6ss7aeh6105@corp.supernews.com>
X-Complaints-To: abuse@thegrid.net
X-Trace: alfalfa.thegrid.net 948778165 209.162.28.16 (Mon, 24 Jan 2000 21:29:25
PST)
Organization: The Grid
```

```
NNTP-Posting-Date: Mon, 24 Jan 2000 21:29:25 PST
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

On Mon, 24 Jan 2000 22:39:30 -0500, "Mark Flanagan" <markf@cshore.com>
wrote:

>>
>> Dammit, sometimes I really hate being right.
>>
>> And I really likes Amateur Radio... I fear I will not be able to say the
>> same soon.
>>
>> de WR7E
>
>
>Then quit, sell your stuff cheap and get out!  I'm sure you won't be missed
>long.
>
>Mark, K1MKF
>
>
Heh! I had to pick myself up off the floor after that comment!!
I wont miss him..

73 kf6foz
http://www.qsl.net/kf6foz/



From 1116724801789229913
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: <@>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/25
Message-ID: <86k7g7$i0l$1@nntp3.atl.mindspring.net>#1/1
X-Deja-AN: 577370339
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388C989D.E2B0980D@IEEE.org>
X-Priority: 3
X-Server-Date: 25 Jan 2000 13:12:39 GMT
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
Organization: MindSpring Enterprises
X-MSMail-Priority: Normal
Reply-To: <@>
```

Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

W6RCecilA wrote in message

The Morse code was published in advance.

Cecil, if I give you a copy of the Russian alphabet to memorize will you be able to speak, or write, Russian, and take a multiple choice test to prove that you can?

73   John, KO0D

From -4486161545032384678
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: W6RCecilA <Cecil.A.Moore@IEEE.org>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/25
Message-ID: <388DBAFB.AD6AFB44@IEEE.org>#1/1
X-Deja-AN: 577410725
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com> <388C989D.E2B0980D@IEEE.org> <86k7g7$i0l$1@nntp3.atl.mindspring.net>
Organization: MindSpring Enterprises
X-Server-Date: 25 Jan 2000 15:06:50 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

@ wrote:

>
> W6RCecilA wrote in message
> The Morse code was published in advance.
>
> Cecil, if I give you a copy of the Russian alphabet to memorize will you be
> able to speak, or write, Russian, and take a multiple choice test to prove
> that you can?

Make it Spanish and you're on.

--
73, Cecil, W6RCA   http://www.mindspring.com/~w6rca

From -3360546066666099871
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: "Gary - KJ6Q" <davison7@gte.net>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/25
Message-ID: <wOlj4.735$K26.13283@dfiatx1-snr1.gtei.net>#1/1
X-Deja-AN: 577485992
Distribution: world
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<a04j4.2724$OL2.99007@tw12.nn.bcandid.com> <388D383A.55F5@silverstar.com>
X-Priority: 3
Content-Type: text/plain; charset="iso-8859-1"
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
X-Complaints-To: abuse@gte.net
X-Trace: /
Kp2lq9QsxNwvus2TVzGEgPNgsCMt0XywhXC3fChDieXIOtdymZogy52dpFYTr+MQROLUBPl3OGA!jWlG01Ehy6B9vbGseE2nPbqnqhXmiKmW0pyC/3DdaWPJO/55tpxkWiLxTBIRiOds5dcztc+njw==
X-MSMail-Priority: Normal
MIME-Version: 1.0
NNTP-Posting-Date: Tue, 25 Jan 2000 18:19:08 GMT
Reply-To: "Gary - KJ6Q" <davison7@gte.net>
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

Couldn't have said it better myself...

--
Gary - KJ6Q
= = = = = = = =
Requiring trigger locks on home protection guns is as
STUPID as placing a cars emergency brake in the TRUNK!

Dean Arthur <dearthur@silverstar.com> wrote in message
news:388D383A.55F5@silverstar.com...
> Well, the morals and responsibility of a people tend to follow the ease
> with which they obtain the luxuries of life and complain even then

```
that
> it's too difficult, crowded or time-consuming.
>
> We are on that mostly forgotten slippery slope to perdition. Enjoy
the
> trip while you can; it won't last long.
>
>




From 4793365167849242562
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: Neal Feldman <silverstorm@home.net>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/26
Message-ID: <388F1370.B8E0F621@home.net>#1/1
X-Deja-AN: 577871417
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388ce84b.2114786@news.thegrid.net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@home.net
X-Trace: news1.sttls1.wa.home.com 948900707 24.6.215.63 (Wed, 26 Jan 2000 07:31:47
PST)
Organization: Thanatos Enterprises
MIME-Version: 1.0
NNTP-Posting-Date: Wed, 26 Jan 2000 07:31:47 PST
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

So sell your computer equipment so you do not have to read my exercise of my
first amendment rights, ok?


kf6foz wrote:

> Sell your equipment so you dont have to hear the BS! Simple solution
> to you ongoing agony!!!
>
> On Mon, 24 Jan 2000 17:31:27 GMT, thanatos999@my-deja.com wrote:
>
> >Before the
```

> >   Federal Communications Commission
> >   Washington, D.C. 20554
> >
> >
> >In the Matter of   )   WT Docket No. 98-143
> >   )
> >1998 Biennial Regulatory Review --   )   RM-9148
> >Amendment of Part 97 of the Commission's   )   RM-9150
> >Amateur Service Rules.   )   RM-9196
> >   )
> >
> >If anyone has read this the LCD (non)thinkers get their way again.
> >
> >First it was the 'no-code' license... "That will be enough" they said.
> >I knew that was BS... and history has proven me right.
> >
> >The it was the much abused 'disability waiver' which I said long ago
> >would cause rampant fraud and undermine the amateur radio service... few
> >believed me and even though I am disabled I was attacked as someone who
> >bashed those with disabilities.
> >
> >Again, history proved me 100% correct.
> >
> >Now we have the near final CB-ization of Amateur Radio...
> >
> >a 5 wpm requirement for Amateur Extra with written exams where the
> >questions and answers are publicly available and easily 90% of those
> >passing the 'exams' (memory tests is more like what they are) will not
> >have any clue as to the actual workings of the theories they are being
> >'tested' on.
> >
> >At least the CW tests, while maybe not the most technically proficient,
> >at least could not be fudged in this manner. You had to actually be
> >COMPETENT in cw to pass the 20 wpm test.
> >
> >Well, that simply reduces the quality even further, and unfortunately I
> >fear that before the end of the next sunspot cycle Amateur Radio as we
> >know it will cease to exist, being replaced with something akin to the
> >sludge pot that is 11 meters.
> >
> >The whiners who only are interested in the easy route for themselves and
> >the profiteers who only have dollar signs in their eyes seeking to seel
> >ever more radios win, and the hobby loses... again.
> >
> >Dammit, sometimes I really hate being right.
> >
> >And I really likes Amateur Radio... I fear I will not be able to say the
> >same soon.
> >
> >de WR7E
> >
> >
> >Sent via Deja.com http://www.deja.com/

```
> >Before you buy.
>
> http://www.qsl.net/kf6foz/

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==============================================================
Home Page: http://members.home.net/silverstorm/

We will never rest until Gestapo CPS is completely abolished!





From 4489856282143787785
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: Neal Feldman <silverstorm@home.net>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/26
Message-ID: <388F1389.B83BA239@home.net>#1/1
X-Deja-AN: 577871418
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<s8q6ss7aeh6105@corp.supernews.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@home.net
X-Trace: news1.sttls1.wa.home.com 948900732 24.6.215.63 (Wed, 26 Jan 2000 07:32:12
PST)
Organization: Thanatos Enterprises
MIME-Version: 1.0
NNTP-Posting-Date: Wed, 26 Jan 2000 07:32:12 PST
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

Likely far longer than you would.

Mark Flanagan wrote:

> >
> > Dammit, sometimes I really hate being right.
> >
> > And I really likes Amateur Radio... I fear I will not be able to say the
> > same soon.
> >
```

> > de WR7E
>
> Then quit, sell your stuff cheap and get out! I'm sure you won't be missed
> long.
>
> Mark, K1MKF

```
--
==============================================================
Home Page: http://members.home.net/silverstorm/

We will never rest until Gestapo CPS is completely abolished!
```

```
From 4447338409792693465
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
From: Neal Feldman <silverstorm@home.net>
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/26
Message-ID: <388F13F4.8840AC41@home.net>#1/1
X-Deja-AN: 577875232
Content-Transfer-Encoding: 7bit
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<s8q6ss7aeh6105@corp.supernews.com> <388d2c21.3508841@news.thegrid.net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@home.net
X-Trace: news1.sttls1.wa.home.com 948900838 24.6.215.63 (Wed, 26 Jan 2000 07:33:58
PST)
Organization: Thanatos Enterprises
MIME-Version: 1.0
NNTP-Posting-Date: Wed, 26 Jan 2000 07:33:58 PST
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
```

kf6foz wrote:

> On Mon, 24 Jan 2000 22:39:30 -0500, "Mark Flanagan" <markf@cshore.com>
> wrote:
>

> >>
> >> Dammit, sometimes I really hate being right.
> >>
> >> And I really likes Amateur Radio... I fear I will not be able to say the
> >> same soon.
> >>
> >> de WR7E
> >
> >
> >Then quit, sell your stuff cheap and get out! I'm sure you won't be missed
> >long.
> >
> >Mark, K1MKF
> >
> >
> Heh! I had to pick myself up off the floor after that comment!!
> I wont miss him..
>
> 73 kf6foz
> http://www.qsl.net/kf6foz/

And I would not miss you. There.. we're even... as if that matters worth a
tinker's damn.

Just gotta love these fools... Amateur Radio is being destroyed... anyone who
speaks the truth about it is just told to take a hike. Really puts the
attitudes and agenda of those telling such into perspective quite nicely.

--
===
Home Page: http://members.home.net/silverstorm/

We will never rest until Gestapo CPS is completely abolished!

From -6501474655100588973
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3c220cad0982da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3c220cad0982da
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a3c220cad0982da
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a3c220cad0982da
X-Google-Attributes: gidfcc6e,public
From: cobrano-spam@budweiser.com (kf6foz)
Subject: Re: Death Spiral of Amateur Radio accelerates
Date: 2000/01/26

```
Message-ID: <388f19a0.24040413@news.thegrid.net>#1/1
X-Deja-AN: 577896419
References: <3866a3d1.0@news.accessus.net> <86i29f$ncc$1@nnrp1.deja.com>
<388ce84b.2114786@news.thegrid.net> <388F1370.B8E0F621@home.net>
X-Complaints-To: abuse@thegrid.net
X-Trace: alfalfa.thegrid.net 948904822 209.162.38.212 (Wed, 26 Jan 2000 08:40:22
PST)
Organization: The Grid
NNTP-Posting-Date: Wed, 26 Jan 2000 08:40:22 PST
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment

You complain, yet you tell me to sell my equipment? I gave a solution
to those who continually cry and whine about the recent events and I
take it that I hurt your feelings. Not once did I complain in this
post, and you say that! I guess you will just have to keep
entertaining us with your stupid, irrelivant post which are pertaining
to the past. Its over, Why continue to have a temper tantrum about it.

On Wed, 26 Jan 2000 15:31:47 GMT, Neal Feldman <silverstorm@home.net>
wrote:

>So sell your computer equipment so you do not have to read my exercise of my
>first amendment rights, ok?
>
>
>kf6foz wrote:
>
>> Sell your equipment so you dont have to hear the BS! Simple solution
>> to you ongoing agony!!!
>>
>> On Mon, 24 Jan 2000 17:31:27 GMT, thanatos999@my-deja.com wrote:
>>
>> >Before the
>> >               Federal Communications Commission
>> >                     Washington, D.C. 20554
>> >
>> >
>> >In the Matter of                   )         WT Docket No. 98-143
>> >                              )
>> >1998 Biennial Regulatory Review --           )         RM-9148
>> >Amendment of Part 97 of the Commission's     )         RM-9150
>> >Amateur Service Rules.             )         RM-9196
>> >                              )
>> >
>> >If anyone has read this the LCD (non)thinkers get their way again.
>> >
>> >First it was the 'no-code' license... "That will be enough" they said.
>> >I knew that was BS... and history has proven me right.
>> >
>> >The it was the much abused 'disability waiver' which I said long ago
>> >would cause rampant fraud and undermine the amateur radio service... few
>> >believed me and even though I am disabled I was attacked as someone who
```

>> >bashed those with disabilities.
>> >
>> >Again, history proved me 100% correct.
>> >
>> >Now we have the near final CB-ization of Amateur Radio...
>> >
>> >a 5 wpm requirement for Amateur Extra with written exams where the
>> >questions and answers are publicly available and easily 90% of those
>> >passing the 'exams' (memory tests is more like what they are) will not
>> >have any clue as to the actual workings of the theories they are being
>> >'tested' on.
>> >
>> >At least the CW tests, while maybe not the most technically proficient,
>> >at least could not be fudged in this manner. You had to actually be
>> >COMPETENT in cw to pass the 20 wpm test.
>> >
>> >Well, that simply reduces the quality even further, and unfortunately I
>> >fear that before the end of the next sunspot cycle Amateur Radio as we
>> >know it will cease to exist, being replaced with something akin to the
>> >sludge pot that is 11 meters.
>> >
>> >The whiners who only are interested in the easy route for themselves and
>> >the profiteers who only have dollar signs in their eyes seeking to seel
>> >ever more radios win, and the hobby loses... again.
>> >
>> >Dammit, sometimes I really hate being right.
>> >
>> >And I really likes Amateur Radio... I fear I will not be able to say the
>> >same soon.
>> >
>> >de WR7E
>> >
>> >
>> >Sent via Deja.com http://www.deja.com/
>> >Before you buy.
>>
>> http://www.qsl.net/kf6foz/
>
>--
>===
>Home Page: http://members.home.net/silverstorm/
>
>We will never rest until Gestapo CPS is completely abolished!
>
>

http://www.qsl.net/kf6foz/

From 4179900447457024121
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75bd2c931af7f5ac,start

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 110fb1,75bd2c931af7f5ac,start
X-Google-Attributes: gid110fb1,public
X-Google-Thread: 10a3bb,75bd2c931af7f5ac,start
X-Google-Attributes: gid10a3bb,public
X-Google-Thread: 114cd0,75bd2c931af7f5ac,start
X-Google-Attributes: gid114cd0,public
X-Google-Thread: 11ed49,75bd2c931af7f5ac,start
X-Google-Attributes: gid11ed49,public
From: "Stephen Abson" <sabson@*NOSPAM*detac.com>
Subject: FA: EICO Model 425 Oscilloscopes!!!
Date: 1999/09/09
Message-ID: <37d811b3@skylite.connect.ab.ca>#1/1
X-Deja-AN: 523092806
X-Trace: 9 Sep 1999 13:59:47 -0600, rdts1-162.connect.ab.ca
Organization: DETAC Corporation
X-MSMail-Priority: Normal
X-Priority: 3
Newsgroups: psu.org.ham-radio,rec.ham-radio,rpi.union.ham-radio,slac.rec.ham_radio,su.org.ham-radio
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300

For Auction: Quantity two (2) EICO Model 425 Oscilloscopes in *working* condition. For more information, see:

EICO 425 Oscilloscopes:
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=161226892

--
Stephen Abson, MCP
sabson@*NOSPAM*detac.com
NOTE: Remove "*NOSPAM*" to send e-mail.

The opinions expressed here do not necessarily reflect those
of my employer. My employer shall not be held responsible for
any comments made in these newsgroups.

From 333040372659637405
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1edeb700108c611,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc734,b1edeb700108c611,start
X-Google-Attributes: gidfc734,public
X-Google-Thread: fed6a,b1edeb700108c611,start
X-Google-Attributes: gidfed6a,public
X-Google-Thread: fddbf,b1edeb700108c611,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fb049,b1edeb700108c611,start

X-Google-Attributes: gidfb049,public
From: Thomas <thomas@asan.com>
Subject: [Fwd: MTV USING 70CM frequencies at Lincoln Center, Manhattan]
Date: 1999/09/12
Message-ID: <37D9EA00.CBD0B481@asan.com>#1/1
X-Deja-AN: 523994348
X-Accept-Language: en
Content-Type: multipart/mixed; boundary="------------F74D19265609460A681A12B7"
X-Trace: newscene.newscene.com 937114407 207.113.83.52 (Sun, 12 Sep 1999 00:33:27 CDT)
Organization: Newscene Public Access Usenet News Service (http://www.newscene.com/)
MIME-Version: 1.0
Reply-To: thomas@asan.com
NNTP-Posting-Date: Sun, 12 Sep 1999 00:33:27 CDT
Newsgroups: alt.ham-radio.ssb,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.ham-radio.misc,rec.ham-radio.packet

This is a multi-part message in MIME format.
--------------F74D19265609460A681A12B7
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

--------------F74D19265609460A681A12B7
Content-Type: message/rfc822
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Received: from [207.113.83.52] by asa1.asan.com (NTMail 4.30.0012/NT4321.00.31f8ddab) with ESMTP id rcsocaaa for <thomas@asan.com>; Sun, 12 Sep 1999 01:17:47 -0400
Message-ID: <37D9E646.E3C998C3@asan.com>
Date: Sat, 11 Sep 1999 01:19:03 -0400
From: Thomas <thomas@asan.com>
Reply-To: thomas@asan.com
X-Mailer: Mozilla 4.51 [en] (Win98; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.spread,alt.ham-radio,alt.ham-radio.am,alt.ham-radio.amtor,alt.ham-radio.atv,alt.ham-radio.binaries
Subject: MTV USING 70CM frequencies at Lincoln Center, Manhattan
X-Priority: 1 (Highest)
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
To: thomas@asan.com
X-Fix: NTMail fixed non RFC822 compliant EMail message
X-Mozilla-Status2: 00000000

SORRY IF THIS IS AN INAPPROIATE GROUP
We need your help
Starting several days before the September 9th MTV music awards at

Lincoln Center, Manhattan New York City, several hams (Peter, KC2CDC and Nelson KC2CVW) and latter myself, Thomas Tumino, N2YTF thomas@asan.com heard MTV staff on 70CM HAM FREQUENCIES. When confronted in person about this they claimed that had licenses and that we should not be using "their" frequencies.

Myself, Peter and Nelson are filling a complaint with the FCC over the matter but we need any ham in Manhattan (preferably upper west side area around lincoln center, at 5 watts in an urban area you have to be in the area) to tune in to the listed (at the end of this post) simplex FM 70cm frequencies and log the content and tape if possible the communications taking place on theses frequencies, THEN FORWARD THE MATERIAL TO ME, Thomas Tumino, N2YTF thomas@asan.com so that we may send it on to the ARRL and the FCC.

Although the MTV music awards took place on 9/9/99, communications have continued through Saturday, Sept. 10 and are expected to continue through Sunday and possibly Monday as the MTV crew is still packing up their equipment.

Nelson, KC2CVW has taped the conversations going on and
Peter, KC2CDC has logged the communications and even caught first and last names of several MTV staffers. The frequencies have been verified using commercial gear and a scope by Nelson and Peter who live in the area of lincoln center. Again, the MTV crew has been spotted using all of the following 70 cm frequencies:
DO NOT INTENTIONALLY INTERFERE WITH THEM OR USE ANY PROFANITY. Follow all amateur rules. This means not talking to them on the air. WE ARE TRYING TO HEAR AND TAPE THEM.
All frequencies seem to be 5 watt hts so don't expect to here these guys over too wide an area. All freq. in MHz

Most active 438.6
438.9
438.7
439.95
440.1
440.6
438.0
439.1
439.7
440.35
438.45
438.8
438.85
438.5
439.6
438.35
All 16 frequencies of the simplex fm motorola HT 1000s they are using are in the 70cm ham band.

Thanks for your help!
Lets protect our band.

Thomas, N2YTF

--------------F74D19265609460A681A12B7--

```
From -9154842636089160670
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fe10537f00ebc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,2fe10537f00ebc
X-Google-Attributes: gid109013,public
X-Google-Thread: 10a3bb,2fe10537f00ebc
X-Google-Attributes: gid10a3bb,public
X-Google-Thread: fcc6e,2fe10537f00ebc
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f7796,2fe10537f00ebc
X-Google-Attributes: gidf7796,public
X-Google-Thread: f76e2,2fe10537f00ebc
X-Google-Attributes: gidf76e2,public
From: "Boliver Allmon" <bolivera@ev1.net>
Subject: Re: form 610
Date: 1999/09/14
Message-ID: <pcpD3.901$xQ6.24689@news21b.ispnews.com>
X-Deja-AN: 524869208
References: <yQjB3.35713$R84.598919@typ12.nn.bcandid.com>
<37D6A9FA.6FD035EB@localnet.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: news21b.ispnews.com 937303957 216.90.6.199 (Tue, 14 Sep 1999 06:12:37
EDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Tue, 14 Sep 1999 06:12:37 EDT
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur.antenna,su.org.ham-radio
```

I was able to change my address. It took some time because I did not want
to follow directions. But, when I did everything was fine.

Thanks

Boliver

Bill Rhodes <wdrhodes@localnet.com> wrote in message
news:37D6A9FA.6FD035EB@localnet.com...

> Boliver Allmon wrote:
>
> > I am needing to file an address change with the FCC. The form on the
FCC
> > website, the last time I looked, is in PDF format. Does anyone know of
an

> > editable format, such as a spreadsheet? It seems I once saw one on
> > Compuserve, but I no longer have that access.
> >
> > Any help would be helpful.
> >
> > Boliver
> > KC5PCS
>
> The following message may provide helpful information for you, good luck:
>
> From: ARRL Members Only Web site <memberlist@p1k.arrl.org>
> Cc: <recipient list not shown: ;>
> Sent: Friday, August 13, 1999 2:03 PM
> Subject: ARLB051 ULS opens for amateur business August 16
>
>
> > SB QST @ ARL $ARLB051
> > ARLB051 ULS opens for amateur business August 16
> >
> > ZCZC AG51
> > QST de W1AW
> > ARRL Bulletin 51 ARLB051
> > From ARRL Headquarters
> > Newington CT August 13, 1999
> > To all radio amateurs
> >
> > SB QST ARL ARLB051
> > ARLB051 ULS opens for amateur business August 16
> >
> > The FCC's Universal Licensing System opens its doors to Amateur
> > Radio Monday, August 16. The FCC reported August 13 that the ULS
> > would be out of service until then to prepare for implementation.
> > Amateurs should wait until the ULS is back on-line August 16 to
> > register.
> >
> > The ULS ushers in an era of electronic, interactive filing and
> > handling of Amateur Radio applications and marks a major change in
> > the way Amateur Radio applicants will deal with the FCC. It also
> > means the demise of the familiar paper FCC Form 610 series in favor
> > of the ''universal'' Form 605--primarily designed for electronic use
> > but also available on paper. Amateurs filing applications with the
> > FCC under the ULS will use Form 605 for all purposes except--at
> > least for now--club station applications.
> >
> > The FCC began a weeklong ULS phase-in period for the Amateur Service
> > August 8 and has been converting existing Amateur Radio licensing
> > data into the ULS database. Electronic Amateur Radio renewal using
> > FCC Form 900 was scheduled to end August 9. Electronic vanity call
> > sign application using Form 610V was to terminate August 13 at 5:30
> > PM Eastern Time. Hams should not try to file renewal or vanity
> > applications until the ULS comes up August 16.
> >
> > Before using the ULS to file an application, renew or modify a

> > license, or apply for a vanity call sign, all amateurs must register. When registering, individuals eligible to hold a Social Security Number must provide this number--which the FCC refers to as a Taxpayer Information Number or TIN. This requirement is a mandate of Congress, not of the FCC. All hams must be registered in the ULS to do business with the FCC.
> >
> > Applicants use TIN Registration Form 606 for both electronic or manual registration. To register electronically, visit http://www.fcc.gov/wtb/uls/ and click on ''TIN/Call Sign Registration.'' A paper Form 606 is available at http://www.fcc.gov/formpage.html or by calling 800-418-FORM (3676).
> >
> > Applicants first register their Social Security Number (or TIN), then enter a call sign. Applicants also must specify a password and a personal identifier.
> >
> > Registrants receive a nine-character Licensee Identification Number. Amateurs may use this number in place of a Social Security Number in future dealings with the FCC.
> >
> > For now, applications for club, military recreation, and RACES licenses should be filed on the ''old'' FCC Form 610B. Trustees and custodians of these licenses should not use their personal Social Security Number as the TIN for these applications but should contact ULS Technical Support (202-414-1250) to obtain a FCC-generated identification number for Form 610B.
> >
> > Applications for new licenses or upgrades will continue to be filed through a Volunteer Examiner Coordinator. VECs will use a special NCVEC Form 605--a variation of Form 605--to file with the FCC for test sessions.
> >
> > Starting August 16, hams already registered in the ULS may file applications using the new FCC Form 605 electronically at any time of day, seven days a week. FCC Form 605 will be used for license renewals, modifications, cancellations, application withdrawals and amendments, as well as requests for a vanity call sign, duplicate license, change of address or other clerical license modification. Visit the WTB ULS page, http://www.fcc.gov/wtb/uls and click ''Connecting to ULS'' for information on accessing the ULS system. Accessing the ULS database requires a telephone modem. A toll-free number, 800-844-2784, connects users to the FCC's Wide Area Network.
> >
> > Among other things, the ULS features a renewal reminder sent 90 days prior to a license's expiration date. The ULS also simplifies the process of submitting fees to the FCC. The FCC said it also anticipates that the ULS will be capable of accepting credit card payments on-line ''in the near future.''
> >
> > For more information, visit the FCC's ULS page, http://www.fcc.gov/wtb/uls.
> > NNNN

> > /EX
> >
>
>

From 6940905277690066585
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fe10537f00ebc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,2fe10537f00ebc
X-Google-Attributes: gid109013,public
X-Google-Thread: f76e2,2fe10537f00ebc
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fcc6e,2fe10537f00ebc
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 10a3bb,2fe10537f00ebc
X-Google-Attributes: gid10a3bb,public
X-Google-Thread: f7796,2fe10537f00ebc
X-Google-Attributes: gidf7796,public
From: "Boliver Allmon" <bolivera@ev1.net>
Subject: Re: form 610
Date: 1999/09/14
Message-ID: <blpD3.903$xQ6.24949@news21b.ispnews.com>#1/1
X-Deja-AN: 524869209
References: <yQjB3.35713$R84.598919@typ12.nn.bcandid.com> <37D5CE58.3725@sirs.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: news21b.ispnews.com 937304519 216.90.6.199 (Tue, 14 Sep 1999 06:21:59 EDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Tue, 14 Sep 1999 06:21:59 EDT
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.antenna,su.org.ham-radio

For your information, the last time I did an address change was on an Excel spreadsheet that looked exactly like the form 610. It had been approved by the FCC. So it has been done.

As far as the Social Security Number issue, that unfortunately is how you must deal with the government, not just the FCC. If in order to comply with the law concerning a hobby that I enjoy I must reveal something that they already have, so be it.

Thanks

Boliver
KC5PCS

Sir <sir@sirs.com> wrote in message news:37D5CE58.3725@sirs.com...

```
> Boliver Allmon wrote:
> >
> > I am needing to file an address change with the FCC.  The form on the
FCC
> > website, the last time I looked, is in PDF format.  Does anyone know of
an
> > editable format, such as a spreadsheet?  It seems I once saw one on
> > Compuserve, but I no longer have that access.
> >
> > Any help would be helpful.
> >
> > Boliver
> > KC5PCS
>
> Due to the new law, you will have to FIRST register with the FCC
> surrendering your Social Security number or they will not accept
> anything from you!  No address change, no license upgrade, no forms,
> nothing, until you first register with the new Universal licensing
> system.
>
> Besides, if you don't use the PDF file and try to do something with a
> spreadsheet, it won't look like the form is supposed to, and the
> government will stick their heads up their asses and refuse to accept
> any forms that aren't exactly the way they like them.
```

```
From -3708895179301818982
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20c82ef77c60f4ab,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,20c82ef77c60f4ab,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,20c82ef77c60f4ab,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f9af2,20c82ef77c60f4ab,start
X-Google-Attributes: gidf9af2,public
From: "Rod" <kc4yoq@grits.net>
Subject: Fee Batteries
Date: 1999/09/14
Message-ID: <XMED3.11658$N77.884514@typ11.nn.bcandid.com>#1/1
X-Deja-AN: 525262696
X-Trace: typ11.nn.bcandid.com 937367735 207.201.217.39 (Tue, 14 Sep 1999 23:55:35
EDT)
NNTP-Posting-Date: Tue, 14 Sep 1999 23:55:35 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.atv,alt.ham-radio.vhf-uhf,rec.ham-radio
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0

From: Rod <kc4yoq@grits.net>
Subject: Free Batteries
Date: Tuesday, September 14, 1999 11:49 PM
```

Very large lead-acid batteries available. Well used. Free. You pickup, you haul. Located in central Texas area. From old Microwave relay sites. 2 volt cells, most sites had 24 cells. Great for radio/repeater sites, solar cell installations, etc. Give your UPS enough battery to run days, maybe weeks. No chargers available. Must be picked up within the next week or so. Contact:
RSANDALL@Prodigy.net   or
kc4yoq@grits.net

From -2175185216814317004
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fe10537f00ebc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,2fe10537f00ebc
X-Google-Attributes: gid109013,public
X-Google-Thread: 10a3bb,2fe10537f00ebc
X-Google-Attributes: gid10a3bb,public
X-Google-Thread: f76e2,2fe10537f00ebc
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f7796,2fe10537f00ebc
X-Google-Attributes: gidf7796,public
X-Google-Thread: fcc6e,2fe10537f00ebc
X-Google-Attributes: gidfcc6e,public
From: sabbatai_zvi@hotmail.com (Elite Tubes)
Subject: Re: form 610
Date: 1999/09/17
Message-ID: <37e25925.16570302@news.earthlink.net>
X-Deja-AN: 526354701
References: <yQjB3.35713$R84.598919@typ12.nn.bcandid.com> <37D6A9FA.6FD035EB@localnet.com> <pcpD3.901$xQ6.24689@news21b.ispnews.com>
X-Posted-Path-Was: not-for-mail
X-ELN-Date: 17 Sep 1999 15:10:20 GMT
X-ELN-Insert-Date: Fri Sep 17 08:15:18 1999
Organization: None
Reply-To: sabbatai_zvi@hotmail.com
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.antenna,su.org.ham-radio

I mailed them a new 610 form MANY WEEKS ago.
No reply yet!

Anyone have an idea how long the turn-around is these days for a simple Change of Address 610 to get processed?

On Tue, 14 Sep 1999 05:19:44 -0500, "Boliver Allmon"

```
<bolivera@ev1.net> wrote:

>I was able to change my address.  It took some time because I did not want
>to follow directions. But, when I did everything was fine.
>
>Thanks
>
>Boliver
>
>Bill Rhodes <wdrhodes@localnet.com> wrote in message
>news:37D6A9FA.6FD035EB@localnet.com...
>> Boliver Allmon wrote:
>>
>> > I am needing to file an address change with the FCC.  The form on the
>FCC
>> > website, the last time I looked, is in PDF format.  Does anyone know of
>an
>> > editable format, such as a spreadsheet?  It seems I once saw one on
>> > Compuserve, but I no longer have that access.
>> >
>> > Any help would be helpful.
>> >
>> > Boliver
>> > KC5PCS
>>
>> The following message may provide helpful information for you, good luck:
>>
>> From: ARRL Members Only Web site <memberlist@p1k.arrl.org>
>> Cc: <recipient list not shown: ;>
>> Sent: Friday, August 13, 1999 2:03 PM
>> Subject: ARLB051 ULS opens for amateur business August 16
>>
>>
>> > SB QST @ ARL $ARLB051
>> > ARLB051 ULS opens for amateur business August 16
>> >
>> > ZCZC AG51
>> > QST de W1AW
>> > ARRL Bulletin 51  ARLB051
>> > From ARRL Headquarters
>> > Newington CT  August 13, 1999
>> > To all radio amateurs
>> >
>> > SB QST ARL ARLB051
>> > ARLB051 ULS opens for amateur business August 16
>> >
>> > The FCC's Universal Licensing System opens its doors to Amateur
>> > Radio Monday, August 16. The FCC reported August 13 that the ULS
>> > would be out of service until then to prepare for implementation.
>> > Amateurs should wait until the ULS is back on-line August 16 to
>> > register.
>> >
>> > The ULS ushers in an era of electronic, interactive filing and
>> > handling of Amateur Radio applications and marks a major change in
>> > the way Amateur Radio applicants will deal with the FCC. It also
>> > means the demise of the familiar paper FCC Form 610 series in favor
>> > of the ''universal'' Form 605--primarily designed for electronic use
>> > but also available on paper. Amateurs filing applications with the
>> > FCC under the ULS will use Form 605 for all purposes except--at
>> > least for now--club station applications.
>> >
>> > The FCC began a weeklong ULS phase-in period for the Amateur Service
>> > August 8 and has been converting existing Amateur Radio licensing
>> > data into the ULS database. Electronic Amateur Radio renewal using
>> > FCC Form 900 was scheduled to end August 9. Electronic vanity call
>> > sign application using Form 610V was to terminate August 13 at 5:30
>> > PM Eastern Time. Hams should not try to file renewal or vanity
>> > applications until the ULS comes up August 16.
>> >
>> > Before using the ULS to file an application, renew or modify a
>> > license, or apply for a vanity call sign, all amateurs must
>> > register. When registering, individuals eligible to hold a Social
>> > Security Number must provide this number--which the FCC refers to as
>> > a Taxpayer Information Number or TIN. This requirement is a mandate
>> > of Congress, not of the FCC. All hams must be registered in the ULS
>> > to do business with the FCC.
>> >
>> > Applicants use TIN Registration Form 606 for both electronic or
>> > manual registration. To register electronically, visit
>> > http://www.fcc.gov/wtb/uls/ and click on ''TIN/Call Sign
>> > Registration.'' A paper Form 606 is available at
>> > http://www.fcc.gov/formpage.html or by calling 800-418-FORM (3676).
>> >
>> > Applicants first register their Social Security Number (or TIN),
>> > then enter a call sign. Applicants also must specify a password and
>> > a personal identifier.
>> >
>> > Registrants receive a nine-character Licensee Identification Number.
>> > Amateurs may use this number in place of a Social Security Number in
>> > future dealings with the FCC.
>> >
>> > For now, applications for club, military recreation, and RACES
>> > licenses should be filed on the ''old'' FCC Form 610B. Trustees and
>> > custodians of these licenses should not use their personal Social
>> > Security Number as the TIN for these applications but should contact
>> > ULS Technical Support (202-414-1250) to obtain a FCC-generated
>> > identification number for Form 610B.
>> >
>> > Applications for new licenses or upgrades will continue to be filed
>> > through a Volunteer Examiner Coordinator. VECs will use a special
>> > NCVEC Form 605--a variation of Form 605--to file with the FCC for
>> > test sessions.
>> >
>> > Starting August 16, hams already registered in the ULS may file
>> > applications using the new FCC Form 605 electronically at any time
>> > of day, seven days a week. FCC Form 605 will be used for license
>> > renewals, modifications, cancellations, application withdrawals and
>> > amendments, as well as requests for a vanity call sign, duplicate
>> > license, change of address or other clerical license modification.
>> > Visit the WTB ULS page, http://www.fcc.gov/wtb/uls and click
>> > ''Connecting to ULS'' for information on accessing the ULS system.
>> > Accessing the ULS database requires a telephone modem. A toll-free
>> > number, 800-844-2784, connects users to the FCC's Wide Area Network.
>> >
>> > Among other things, the ULS features a renewal reminder sent 90 days
>> > prior to a license's expiration date. The ULS also simplifies the
>> > process of submitting fees to the FCC. The FCC said it also
>> > anticipates that the ULS will be capable of accepting credit card
>> > payments on-line ''in the near future.''
>> >
>> > For more information, visit the FCC's ULS page,
>> > http://www.fcc.gov/wtb/uls.
>> > NNNN
>> > /EX
>> >
>>
>>
>
>
```

```
From 5609111189120418083
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fe10537f00ebc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,2fe10537f00ebc
X-Google-Attributes: gid109013,public
X-Google-Thread: fcc6e,2fe10537f00ebc
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f76e2,2fe10537f00ebc
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f7796,2fe10537f00ebc
X-Google-Attributes: gidf7796,public
X-Google-Thread: 10a3bb,2fe10537f00ebc
X-Google-Attributes: gid10a3bb,public
From: "Greg, Joan and the Peet family" <jrichards08@snet.net>
Subject: Re: form 610
Date: 1999/09/18
Message-ID: <7s0dqk$c4k@news1.snet.net>#1/1
X-Deja-AN: 526743988
References: <yQjB3.35713$R84.598919@typ12.nn.bcandid.com>
<37D6A9FA.6FD035EB@localnet.com> <pcpD3.901$xQ6.24689@news21b.ispnews.com>
<37e25925.16570302@news.earthlink.net>
Organization: "SNET dial access service"
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.ham-
```

radio.swap,rec.radio.amateur.antenna,su.org.ham-radio

hi guys, dont mail anything to FCC anymore, as in the arrl bulletins, ham radio has been included in the electronic filing system now, and during the transition to the new electronic filing system, suspended responding to all paperwork. Check out the arrl site to find specific instructions on how to file address changes via the electronic (internet) filing. Good luck
n1kpw@arrl.net
>

From -7862614929340178053
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,b65037c996384391,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,b65037c996384391,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,b65037c996384391,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fb049,b65037c996384391,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,b65037c996384391,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc8b1,b65037c996384391,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f4306,b65037c996384391,start
X-Google-Attributes: gidf4306,public
From: "richard d'avy" <rdavy@delrio.com>
Subject: For Sale:48 ft Rohn 25G Tower
Date: 1999/09/19
Message-ID: <fweF3.3635$Yo1.19505@newsfeed.slurp.net>#1/1
X-Deja-AN: 527221724
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 937784459 204.216.51.119 (Sun, 19 Sep 1999 18:40:59 CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 19 Sep 1999 18:40:59 CDT
Newsgroups: alt.ham-radio.marketplace,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur.boatanchors

I have for sale a 48' (sections) Rohn 25 G Tower. It is in good condition and is on the ground, ready to be picked up. To be sold altogether. Can be installed at 40 ft freestanding (no guys) or at 48 ft with guys. The tower is in Del Rio, Texas, local delivery if needed, Val Verde, Maverick or Kinney County only.

First $125.00 gets it.

Richard

```
From -3183906800598916628
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,c14fc7bda1904f27,start
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,c14fc7bda1904f27,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,c14fc7bda1904f27,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 10a3bb,c14fc7bda1904f27,start
X-Google-Attributes: gid10a3bb,public
X-Google-Thread: fb13e,c14fc7bda1904f27,start
X-Google-Attributes: gidfb13e,public
From: "Pedro Maldonado" <pmaldon1@rochester.rr.com>
Subject: PLL error on Radio Shack HTX-212
Date: 1999/09/23
Message-ID: <vfxG3.395$56.29570@typhoon.nyroc.rr.com>#1/1
X-Deja-AN: 528809344
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: abuse@rochester.rr.com
X-Trace: typhoon.nyroc.rr.com 938123355 24.24.37.149 (Thu, 23 Sep 1999 17:49:15
EDT)
Organization: Time Warner Road Runner - Rochester NY
X-MSMail-Priority: Normal
Reply-To: "Pedro Maldonado" <kc2ctm@arrl.net>
NNTP-Posting-Date: Thu, 23 Sep 1999 17:49:15 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.fm,man.ham-radio,rec.ham-radio,su.org.ham-
radio
```

> Has anyone experienced this type of error? I just bought this unit used
and
> I was assured it was not a "DOA" unit.. it worked for about 5 mins then
this
> message.. I've tried resetting the radio but to no avail. There are no
> manuals with it, so I'm sort of lost as to what to do next.. is it a
matter
> of popping up the hood and changing something?? Thanks for any help or
> suggestions!
>
> Pedro KC2CTM
>
>

```
From 548648142823119216
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,c14fc7bda1904f27
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,c14fc7bda1904f27
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10a3bb,c14fc7bda1904f27
X-Google-Attributes: gid10a3bb,public
X-Google-Thread: 10ed5f,c14fc7bda1904f27
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb13e,c14fc7bda1904f27
X-Google-Attributes: gidfb13e,public
From: "Kevin Ellis" <elliskev@softhome.net>
Subject: Re: PLL error on Radio Shack HTX-212
Date: 1999/09/23
Message-ID: <7seofn$ba0$1@msunews.cl.msu.edu>#1/1
X-Deja-AN: 528897991
References: <vfxG3.395$56.29570@typhoon.nyroc.rr.com>
X-AUTHid: ellissea
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
Organization: Michigan State University
X-MSMail-Priority: Normal
Newsgroups: alt.ham-radio,alt.ham-radio.fm,man.ham-radio,rec.ham-radio,su.org.ham-
radio
```

Check out this link.
http://preview.radioshack.com/ProductSupport/DocumentDetail/Index/1,2360,sup
port_electronics~3157~htm,00.html

Pedro Maldonado <pmaldon1@rochester.rr.com> wrote in message
news:vfxG3.395$56.29570@typhoon.nyroc.rr.com...

```
>
> > Has anyone experienced this type of error?  I just bought this unit used
> and
> > I was assured it was not a "DOA" unit.. it worked for about 5 mins then
> this
> > message.. I've tried resetting the radio but to no avail.  There are no
> > manuals with it, so I'm sort of lost as to what to do next.. is it a
> matter
> > of popping up the hood and changing something??  Thanks for any help or
> > suggestions!
> >
> > Pedro KC2CTM
> >
> >
>
>
```

From 1105255911888544551
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e3bed44c731fec06,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,e3bed44c731fec06,start
X-Google-Attributes: gid107ada,public
From: Ben Moss <benm@rollanet.org>
Subject: University of Missouri-Rolla Hamfest
Date: 1999/10/01
Message-ID: <37F4E2F6.3340@rollanet.org>#1/1
X-Deja-AN: 531608519
Content-Transfer-Encoding: 7bit
X-Original-NNTP-Posting-Host: access-8-5.rollanet.org
Content-Type: text/plain; charset=us-ascii
X-Trace: 1 Oct 1999 11:51:03 -0600, access-8-5.rollanet.org
Organization: RollaNet
MIME-Version: 1.0
Newsgroups: rec.radio.amateur.misc,rec.ham-radio

There is going to be a hamfest at the University of Missouri-Rolla on March 3 and 4, 2000. It will be sponsored by the UMR Amateur Radio Club. More information will be available soon (and I will post it), but anyone interested in attending should email me (benm@rollanet.org).
Thank you and 73,
-Ben Moss, KI0PX

From 8149819714207304518
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,c14fc7bda1904f27
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,c14fc7bda1904f27
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10a3bb,c14fc7bda1904f27
X-Google-Attributes: gid10a3bb,public
X-Google-Thread: 10ed5f,c14fc7bda1904f27
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb13e,c14fc7bda1904f27
X-Google-Attributes: gidfb13e,public
From: Paul Costa <PaulCosta@usa.net>
Subject: Re: PLL error on Radio Shack HTX-212
Date: 1999/10/01
Message-ID: <37f54e42$0$10176@news.net-link.net>#1/1
X-Deja-AN: 531746998
Content-Transfer-Encoding: 7bit
References: <vfxG3.395$56.29570@typhoon.nyroc.rr.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@net-link.net
X-Trace: S=T[4Gb?NPaI5[332>a9YkHJ815F9aQWjQNW?

>TiF9mbMQMUGi4FYkl7BM]_7E894blBFDaL\d^neOA=\8^cWfJh
Organization: NetLink Systems - Kalamazoo, MI
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.fm,man.ham-radio,rec.ham-radio,su.org.ham-radio

Pedro, My manual shows this error code as the following;
PLL Err - appears if the HTX-212's PLL (phase-locked loop) section malfunctions. If turning the HYX-212 off then back on does no correct this error, take it to your local Radio Shack store to arrange for service. The preceeding text was verbatem per htx-212 manual, cat. no. 19-1125. You may want to try a reset using the following per the manual.
1. Turn of the HTX-212.
2. While holding down F+T-SQL, turn on the HTX-212.
All display elements stay on for about 2 seconds.
(you will lose all stored information and a good reset will "beep" 3 times)

If this does'nt work, you may have to go to Radio shack for help.
Good Luck de KC8COR, Paul, Battle Creek MI

Pedro Maldonado wrote:

> > Has anyone experienced this type of error? I just bought this unit used
> and
> > I was assured it was not a "DOA" unit.. it worked for about 5 mins then
> this
> > message.. I've tried resetting the radio but to no avail. There are no
> > manuals with it, so I'm sort of lost as to what to do next.. is it a
> matter
> > of popping up the hood and changing something?? Thanks for any help or
> > suggestions!
> >
> > Pedro KC2CTM
> >
> >

From -7671876757299287433
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,a40ccc9a062f43b4,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,a40ccc9a062f43b4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,a40ccc9a062f43b4,start
X-Google-Attributes: gid10ed5f,public
From: Manuel Fischer <manfischer@swissonline.ch>
Subject: Hamshops in London ?
Date: 1999/10/05
Message-ID: <37F98B9A.EEF3068B@swissonline.ch>#1/1
X-Deja-AN: 532991240
Content-Transfer-Encoding: 7bit

X-Accept-Language: de,en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@swissonline.ch
X-Trace: news.swissonline.ch 939101136 27981 195.24.90.197 (5 Oct 1999 05:25:36
GMT)
Organization: Swiss Online (Cablecom Media), Zurich, Switzerland
Mime-Version: 1.0
Reply-To: hb9tia@uska.ch
NNTP-Posting-Date: 5 Oct 1999 05:25:36 GMT
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,rec.ham-radio

Hello OMs

This week I'm going to London and I don't know where the good ham stuff
is...
I'm swiss and it will be my first time there. Also if anybody knows
ham-shops
or ham-clubs in the area of Kensington please mail me that at:
hb9tia@uska.ch

Thanks and keep hamspiriting...

HB9TIA
Manuel, Switzerland

From 8486042086369325296
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,255ce295cac25bbb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb6c1,255ce295cac25bbb,start
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: fcc6e,255ce295cac25bbb,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 114671,255ce295cac25bbb,start
X-Google-Attributes: gid114671,public
X-Google-Thread: fa656,255ce295cac25bbb,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fe552,255ce295cac25bbb,start
X-Google-Attributes: gidfe552,public
X-Google-Thread: 105207,255ce295cac25bbb,start
X-Google-Attributes: gid105207,public
X-Google-Thread: f68a8,255ce295cac25bbb,start
X-Google-Attributes: gidf68a8,public
From: Harry - SM0VPO <harryvpo@hotmail.com>
Subject: Homebrew paradise
Date: 1999/10/12
Message-ID: <38030834.59AECAD9@hotmail.com>#1/1
X-Deja-AN: 535750390
Content-Transfer-Encoding: 7bit
Organization: Ericsson

```
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups:
alt.radio.pirate,aus.radio.amateur.digital,aus.radio.amateur.misc,es.rec.radio.ama
teur,nl.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna
```

Harry's Homebrew Homepage is lcated at:

http://sm0vpo.8m.com/
http://www.geocities.com/SiliconValley/3569/
http://hem2.passagen.se/sm0vpo
http://members.xoom.com/sm0vpo

There you will find loads of projects documented projects including antennas, transmitters, receivers, PSUs and many many usefull circuits. PCB foil patterns are included for many projects and there are even photograph illustrations of the more recent projects.

I have recently included loads of freeware and shareware software packages for PCB drafting in the DOWNLOADS section. All the more recent PCB component layouts and PCB-foils are in BMP format so that everyone can read and print them (they are zipped).

Amongst the more recent projects added to the page are:
- TBA120 NBFM receiver - 100KHz to 100MHz, change two coils & crystal.
- Simple 4-watt AF amplifier - much better than the LM380.
- Extending the Balcony Antenna using Fractal & Meander principles.
- VHF digital direction finding system.

The site is well worth a visit. I hope you have fun - Harry SM0VPO

```
From 8331227435936211205
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,793c6b39d070b5f3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,793c6b39d070b5f3,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fe552,793c6b39d070b5f3,start
X-Google-Attributes: gidfe552,public
X-Google-Thread: fa656,793c6b39d070b5f3,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114671,793c6b39d070b5f3,start
X-Google-Attributes: gid114671,public
X-Google-Thread: fb6c1,793c6b39d070b5f3,start
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: 105207,793c6b39d070b5f3,start
X-Google-Attributes: gid105207,public
X-Google-Thread: f68a8,793c6b39d070b5f3,start
X-Google-Attributes: gidf68a8,public
```

From: Harry - SM0VPO <harryvpo@hotmail.com>
Subject: Download problems
Date: 1999/10/12
Message-ID: <38030AE3.B929670C@hotmail.com>#1/1
X-Deja-AN: 535753500
Content-Transfer-Encoding: 7bit
Organization: Ericsson
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups:
alt.radio.pirate,aus.radio.amateur.digital,aus.radio.amateur.misc,es.rec.radio.amateur,nl.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna

I have had loads of E-mail because the DOWNLOAD pages frequently give the error message FORBIDDEN when trying to get a ZIPped PCB foil pattern or datasheet from my homepage. Harry's Homebrew Homepage is lcated at:

http://sm0vpo.8m.com/
http://www.geocities.com/SiliconValley/3569/
http://hem2.passagen.se/sm0vpo
http://members.xoom.com/sm0vpo

The Passagen and Xoom sites (for Europe and the far East) have recently added banners to the INDEX file. When you click on another site (example http://sm0vpo.8m.com) then these servers import the files to their own server. Great! it's all free, but if you try to download a PCB foil pattern ZIP file you are accessing the site from an external site! This results in the message FORBIDDEN!!

If you want the PCB foils then copy (Ctrl+C) the URL and paste into the ADDRESS panel of your browser (Ctrl+V) and it will load the original site. You can then download to your hearts content.

I hope you have fun - Harry SM0VPO

From -7651874933788526952
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b779e94be009291,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,2b779e94be009291,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,2b779e94be009291,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,2b779e94be009291,start
X-Google-Attributes: gidfa656,public
From: "Mike" <n9bor@qsl.net>
Subject: Illinois Ham e-mail reflector
Date: 1999/10/14
Message-ID: <5qnN3.726$Cm5.33200@news.corecomm.net>#1/1
X-Deja-AN: 536720265

X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: news.corecomm.net 939918081 216.214.204.187 (Thu, 14 Oct 1999 11:21:21 CDT)
X-MSMail-Priority: Normal
Reply-To: "Mike" <n9bor@qsl.net>
NNTP-Posting-Date: Thu, 14 Oct 1999 11:21:21 CDT
Newsgroups: alt.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.ham-radio

Amateurs (hams) residing in Illinois (or anyone interested)
for the purpose of enhancing communication throughout the
state.

* Hamfests
* Upcoming Meetings
* Gossip
* Elmering
* Coordination
* Emergencies, assistance
* Hams, Experimenters, Hobbyists
* Newbies, Wannabees, Old Timers
* Anything IlHam Related

PLEASE DO NOT SUBSCRIBE WITH E-MAIL FORWARDING ACCOUNT (i.e. qsl.net, arrl.net, etc.).

TO: majordomo@qth.net
SUBJECT:
BODY: subscribe ilham

You may only subscribe to this list from an e-mail account that you can send from. You may NOT subscribe to IL Ham from a forwarding account (e.g. qsl.net, arrl.org, etc.).

You may also subscribe via the web at http://www.qth.net

From 7553311126555094184
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c119c19af17e99e7,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,c119c19af17e99e7,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,c119c19af17e99e7,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,c119c19af17e99e7,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc2a5,c119c19af17e99e7,start

```
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f64c6,c119c19af17e99e7,start
X-Google-Attributes: gidf64c6,public
From: "Simon Cox" <simon.cox@breathe.co.uk>
Subject: Need diode info
Date: 1999/10/19
Message-ID: <380c48ba_1@news2.vip.uk.com>#1/1
X-Deja-AN: 537876418
X-Report: Report abuse to abuse@vip.uk.com
X-Original-NNTP-Posting-Host: 194.176.194.174
X-Trace: 19 Oct 1999 11:32:29 GMT, 10.250.101.2
X-MSMail-Priority: Normal
X-Priority: 3
Reply-To: "Simon Cox" <simon.cox@breathe.co.uk>
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec
.radio.amateur.misc,uk.radio.amateur
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2014.211
```

Trying to repair TV but have unknown diode.
5G 20E 10 are the ident figures but I can't find it listed.
Does anyone know of a replacement number.

Thanks, G1DRY

```
From -5733127624686282332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c119c19af17e99e7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,c119c19af17e99e7
X-Google-Attributes: gid108122,public
X-Google-Thread: f64c6,c119c19af17e99e7
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fa656,c119c19af17e99e7
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,c119c19af17e99e7
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc2a5,c119c19af17e99e7
X-Google-Attributes: gidfc2a5,public
From: "It's me" <RMAYER@kscable.com>
Subject: Re: Need diode info
Date: 1999/10/20
Message-ID: <jh9P3.14686$o_2.157329@typhoon2.kc.rr.com>#1/1
X-Deja-AN: 538253083
References: <380c48ba_1@news2.vip.uk.com>
X-Priority: 3
X-Mimeole: Produced By Microsoft MimeOLE V5.00.2314.1300
```

```
X-Complaints-To: abuse@rr.com
X-Trace: typhoon2.kc.rr.com 940384463 24.94.196.106 (Tue, 19 Oct 1999 20:54:23
CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Tue, 19 Oct 1999 20:54:23 CDT
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec
.radio.amateur.misc,uk.radio.amateur
```

Where is it used at and doing what??

Simon Cox <simon.cox@breathe.co.uk> wrote in message
news:380c48ba_1@news2.vip.uk.com...
> Trying to repair TV but have unknown diode.
> 5G 20E 10 are the ident figures but I can't find it listed.
> Does anyone know of a replacement number.
>
> Thanks, G1DRY
>
>
>
>

```
From 7471532785244218551
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c119c19af17e99e7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,c119c19af17e99e7
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,c119c19af17e99e7
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc2a5,c119c19af17e99e7
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f64c6,c119c19af17e99e7
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fa656,c119c19af17e99e7
X-Google-Attributes: gidfa656,public
From: "Simon Cox" <simon.cox@breathe.co.uk>
Subject: Re: Need diode info
Date: 1999/10/20
Message-ID: <380d71cd_2@news1.vip.uk.com>#1/1
X-Deja-AN: 538331720
X-Report: Report abuse to abuse@vip.uk.com
References: <380c48ba_1@news2.vip.uk.com>
<jh9P3.14686$o_2.157329@typhoon2.kc.rr.com>
X-Trace: 20 Oct 1999 08:39:57 GMT, modem-234-216-176-194.vip.uk.com
X-MSMail-Priority: Normal
X-Priority: 3
Reply-To: "Simon Cox" <simon.cox@breathe.co.uk>
```

```
X-Mimeole: Produced By Microsoft MimeOLE V5.00.2014.211
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec
.radio.amateur.misc,uk.radio.amateur

I don't have a circuit diagram and beyond the fact that it looks like its in
the psu but not HT I couldn't tell you. The diode looks like a 1N4000 series
but fatter and is a diode not zener, a guy from the USA has emailed some
specs, seems they know it there, but I can't match them up either. It's in a
Matsui set that was sold here, a bit old now though.

It's me <RMAYER@kscable.com> wrote in message
news:jh9P3.14686$o_2.157329@typhoon2.kc.rr.com...
> Where is it used at and doing what??
>
> Simon Cox <simon.cox@breathe.co.uk> wrote in message
> news:380c48ba_1@news2.vip.uk.com...
> > Trying to repair TV but have unknown diode.
> > 5G 20E 10 are the ident figures but I can't find it listed.
> > Does anyone know of a replacement number.
> >
> > Thanks, G1DRY
> >
> >
> >
> >
>
>




From 8174749061127142940
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c119c19af17e99e7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,c119c19af17e99e7
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 108122,c119c19af17e99e7
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,c119c19af17e99e7
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,c119c19af17e99e7
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,c119c19af17e99e7
X-Google-Attributes: gidfc2a5,public
From: "Sam Taylor" <cygnet@cncnet.com>
Subject: Re: Need diode info
Date: 1999/10/21
Message-ID: <380fbe70.0@nntp.quiknet.com>#1/1
X-Deja-AN: 539414823
References: <380c48ba_1@news2.vip.uk.com>
```

X-Trace: 21 Oct 1999 18:31:28 -0700, 96.67.tc1.oro.pmpool.quiknet.com
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3612.1700

Who is the Manufacturer
That is a Man ufacturer part Number
Its probubly something like a 4004, but cant locate it
from just the 5G number
Simon Cox wrote in message <380c48ba_1@news2.vip.uk.com>...
>Trying to repair TV but have unknown diode.
>5G 20E 10 are the ident figures but I can't find it listed.
>Does anyone know of a replacement number.
>
>Thanks, G1DRY
>
>
>
>

From 218936902593415371
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31c4659e36c9ffec,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,31c4659e36c9ffec,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc2a5,31c4659e36c9ffec,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,31c4659e36c9ffec,start
X-Google-Attributes: gidfa656,public
From: Lawrence Gruber <lawrence@javanet.com>
Subject: Need article in 73's magazine back issue--will pay $$ 2/91 & 7/92
Date: 1999/10/28
Message-ID: <38181059.619E@javanet.com>#1/1
X-Deja-AN: 541562284
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@rcn.com
X-Trace: WojIghj6bHfgXgHOz1WDt5z1Ytf2ybE4NW0Pwc9178E=
Mime-Version: 1.0
Reply-To: lawrence@javanet.com
NNTP-Posting-Date: 28 Oct 1999 08:59:09 GMT
Newsgroups: rec.radio.amateur.homebrew,rec.radio.amateur,rec.radio.amateur.misc,rec.ham-radio

I'm in search for detailed plans for building a 10 meter
transmitter capable of SSB and CW modes with a power output
of, say, 2 to 20 watts. A VFO would be preferable.

I see that Far Circuits (http://www.cl.ais.net/farcir)
supplies pcb's for two articles in 73's mag. The first
is Feb '91 for a 10 meter 'SB' transmitter. And the
other is July '92 for a 10 meter DSB transmitter.

As I don't have access to these back issues of 73's mag.,
I can't evaluate these designs.

I'd be most willing to send you a few bucks in return for you
sending me a copy of the plans.

Oh, no license yet, but very soon. I'm also quite experienced
at electronic construction, including R.F. stuff.

I will be using a Drake R8B for the receiver.

You can contact me via. email at: lawrence@javanet.com

Regards,

Larry Gruber
Medford, MA

(posted at: rec.radio.amateur.homebrew, rec.radio.amateur,
rec.radio.amateur.misc, rec.ham-radio)

From 225874539703470608
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e5fe8fa962be6cb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,5e5fe8fa962be6cb,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,5e5fe8fa962be6cb,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10e8ad,5e5fe8fa962be6cb,start
X-Google-Attributes: gid10e8ad,public
X-Google-Thread: fa656,5e5fe8fa962be6cb,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,5e5fe8fa962be6cb,start
X-Google-Attributes: gidf76e2,public
From: "Bruce Mcmahan" <macsturf@bellsouth.net>
Subject: WTB: Kenwood UT-1200 1.2 Ghz module for 741>>>
Date: 1999/10/30
Message-ID: <QxvS3.10296$Y32.32961@news2.mco>#1/1
X-Deja-AN: 542331002
X-Trace: news2.mco 941262064 209.214.193.220 (Sat, 30 Oct 1999 01:41:04 EDT)
NNTP-Posting-Date: Sat, 30 Oct 1999 01:41:04 EDT
Newsgroups:
rec.radio.amateur.space,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur
.equipment,rec.ham-radio,rec.ham-radio.swap

X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0

WTB: I'm looking for a good deal on a used UT-1200. This is the module for
the 1.2 Ghz band. It's used in the Kenwood 741/742 tri-band radios.
Please respond by POST ONLY.
>>Thank You & 73! de KF4DLK

From 1764263306481534899
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49fd52b92d2ab7b9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,49fd52b92d2ab7b9,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 11480d,49fd52b92d2ab7b9,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,49fd52b92d2ab7b9,start
X-Google-Attributes: gidfa656,public
From: "O. Bj�rn Madsen" <obm@image.dk>
Subject: 50 MHz Bulletin
Date: 1999/10/31
Message-ID: <xePS3.944$v4.29624@news010.image.dk>#1/1
X-Deja-AN: 542632457
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
X-Complaints-To: news-abuse@wol.dk
X-Trace: news010.image.dk 941342749 212.54.79.109 (Sun, 31 Oct 1999 05:05:49 MET)
NNTP-Posting-Date: Sun, 31 Oct 1999 05:05:49 MET
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.shortwave

Dr OM/YL

This mail to inform You that the latest edition
of the OZ50MHz DX Bulletin #99-043 is now uploaded
at my website, at the adress;

http://www.qsl.net/oz6om/

From issue #99-039 the OZ50MHz DX Bulletin have
got a new design, some fetures in html are added.

Please have in mind that the OZ50MHz DX Bulletin
normaly is uploaded late Saturday evening (UT time)

Feel free to comment or bring up suggestion in the
guestbook at the page - thanks in advance ...

vy 73 de OZ6OM / OZ7M "Matt"

From 3589907940593713698
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61e33a98fac07905,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb6c1,61e33a98fac07905,start
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: fe552,61e33a98fac07905,start
X-Google-Attributes: gidfe552,public
X-Google-Thread: fcc6e,61e33a98fac07905,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,61e33a98fac07905,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114671,61e33a98fac07905,start
X-Google-Attributes: gid114671,public
X-Google-Thread: 105207,61e33a98fac07905,start
X-Google-Attributes: gid105207,public
From: "Harry SM0VPO" <harryvpo@hotmail.com>
Subject: 100's of projects
Date: 1999/11/01
Message-ID: <7vjm9s$8uk@newstoo.ericsson.se>#1/1
X-Deja-AN: 543028557
Organization: Private
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
Newsgroups:
alt.radio.pirate,aus.radio.amateur.misc,es.rec.radio.amateur,nl.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna

100's of winter projects at Harry's Homebrew Homepage http://sm0vpo.8m.com.

I have done a lot of updating recently and included a 4-watt AF amplifier as well as coil-winding using PCBs so that anyone can wind the same coil! Not an easy task, remember Harry's laws?:

1 - No two people can wind the same inductor with the same instructions and materials.
2 - Coil winding data is a constant that varies from person to person.

Of course, the article is illustrated with photographs of a 20uH inductor (+150pf = 4MHz).

There are loads of antenna projects, transmitters, receivers and even a little booze, if you think "homebrew" has another meaning.

I have my own message board which is in daily use by home constructors with problems or suggestions. If you could help to answer some of the questions there I would be eternally gratefull.

Dont forget to look at the high-powered "bug" (FM Wireless Microphone) that does not need coils wound. Even the FM receiver does not use coil-winding.

Very best regards from Harry - SM0VPO

From -2031441959943137293
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,138578d18327a44a,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,138578d18327a44a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,138578d18327a44a,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fc8b1,138578d18327a44a,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fb049,138578d18327a44a,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,138578d18327a44a,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f4306,138578d18327a44a,start
X-Google-Attributes: gidf4306,public
From: "richard d'avy" <rdavy@delrio.com>
Subject: FS: GE EXECII Radio modified for 9600 bps packet
Date: 1999/11/02
Message-ID: <exHT3.859$sR5.7755@newsfeed.slurp.net>#1/1
X-Deja-AN: 543642951
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 941573322 204.216.51.65 (Tue, 02 Nov 1999 14:08:42 CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Tue, 02 Nov 1999 14:08:42 CDT
Newsgroups: alt.ham-radio.marketplace,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur.boatanchors

I have for sale a GE ExecII radio 100 watts out. The radio has been tuned down into the ham band and is presently tuned to 147 MHz and has been modified for 9600 baud packet. It can also be used for 1200 baud packet by changing a few connections, or could also be used as a 2 meter repeater. Radio comes with a partial repro manual, tells how to use for 9600 baud, 1200 baud or how to use as a repeater, and one set of elements. This unit is in excellent condition, I'm getting out of packet, not enough activity in my area - so can't stand to just let it set here. First $150.00 plus $10.00 for shipping gets it. Please respond via email.

Richard

From -8019849156749214800
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,1662df899f270a78,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,1662df899f270a78,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,1662df899f270a78,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,1662df899f270a78,start
X-Google-Attributes: gidf76e2,public
From: "Gil Bishop" <gbishop@home.com>
Subject: FA: Lots of assorted HF gear, including TS-50, AT-50, beam, tower (EBAY)
Date: 1999/11/06
Message-ID: <mSMU3.4526$ra7.95464@news1.wwck1.ri.home.com>#1/1
X-Deja-AN: 545064807
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: abuse@home.net
X-Trace: news1.wwck1.ri.home.com 941857298 24.0.250.5 (Fri, 05 Nov 1999 19:01:38 PST)
Organization: @Home Network
X-MSMail-Priority: Normal
NNTP-Posting-Date: Fri, 05 Nov 1999 19:01:38 PST
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.swap

Please take a look, I've listed a wide variety of HF gear, all in good to excellent condition, including a TS-50, Mosley TA-33Jr, Create Roof Tower and more. All auctions are "no reserve", and the prices shown are current as of 10::00pm EST 11/5.

Here's a link the list of the auctions:
TS-50S Xcvr
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=193474314
$410.00
AT-50 Tuner
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=193480344
$108.50
AL-811 Amp
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=192180838
$345.00
BY-1 Paddles
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=192295958
$42.00
MB-13 Mount
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=193487269
$5.00
CR-30 Tower
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=194076537
$45.00
TA-33Jr Beam
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=194092149

$60.99
TB-3 Bearing
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=194097915
$23.83

Thanks for reading and 73
Gil Bishop
k1gil

From -1931650846219618677
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43b00a9887188ddb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,43b00a9887188ddb,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 11480d,43b00a9887188ddb,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,43b00a9887188ddb,start
X-Google-Attributes: gidfa656,public
From: "O. Bj�rn Madsen" <obm@image.dk>
Subject: 50 MHz DX Bulletin #99-044
Date: 1999/11/07
Message-ID: <jN7V3.2296$y4.85387@news010.image.dk>#1/1
X-Deja-AN: 545433534
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
X-Complaints-To: news-abuse@wol.dk
X-Trace: news010.image.dk 941951183 212.54.76.153 (Sun, 07 Nov 1999 06:06:23 MET)
NNTP-Posting-Date: Sun, 07 Nov 1999 06:06:23 MET
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.shortwave

Dr OM/YL

This mail to inform You that the latest edition
of the OZ50MHz DX Bulletin #99-044 is now uploaded
at my website, at the adress;

http://www.qsl.net/oz6om/

From issue #99-039 the OZ50MHz DX Bulletin have
got a new design, some fetures in html are added.

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normaly is uploaded late Saturday evening (UT time)

Feel free to comment or bring up suggestion in the
guestbook at the page - thanks in advance ...

vy 73 de OZ6OM / OZ7M "Matt"

From -8127990793004233144
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2e13e33b878fd8c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,2e13e33b878fd8c,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,2e13e33b878fd8c,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1109af,2e13e33b878fd8c,start
X-Google-Attributes: gid1109af,public
From: "Gil Bishop" <gbishop@home.com>
Subject: FA: HF Gear - TS-50S, AT-50, beam,tower, more (Ebay)
Date: 1999/11/07
Message-ID: <jphV3.5025$ra7.114220@news1.wwck1.ri.home.com>#1/1
X-Deja-AN: 545562033
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: abuse@home.net
X-Trace: news1.wwck1.ri.home.com 941990607 24.0.250.5 (Sun, 07 Nov 1999 08:03:27 PST)
Organization: @Home Network
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 07 Nov 1999 08:03:27 PST
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.swap,rec.radio.swap

Please take a look, I've listed a wide variety of HF gear, all in good to excellent condition, including a TS-50S, Mosley TA-33Jr, Create Roof Tower and more. All auctions are "no reserve", and the prices shown are current as of 11:00am EST 11/7.

Here's the list of the auctions with the links:

TS-50S Xcvr - with 500hz filter
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=193474314
$455.00

AT-50 Tuner
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=193480344
$142.50

AL-811 Amp
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=192180838
$355.00

BY-1 Paddles
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=192295958
$44.00

MB-13 Mount
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=193487269
$13.50

CR-30 Tower
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=194076537
$76.01

TA-33Jr Beam
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=194092149
$105.00

TB-3 Bearing
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=194097915
$53.01

Thanks for reading and 73
Gil Bishop
k1gil

From -7112860310785519193
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,19a9a4a92d685a91,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,19a9a4a92d685a91,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,19a9a4a92d685a91,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1009ad,19a9a4a92d685a91,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fddbf,19a9a4a92d685a91,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fc8b1,19a9a4a92d685a91,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fb049,19a9a4a92d685a91,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f4306,19a9a4a92d685a91,start
X-Google-Attributes: gidf4306,public
From: "richard d'avy" <rdavy@delrio.com>
Subject: Need Info on HTX-202 lithium backup battery
Date: 1999/11/07
Message-ID: <G8jV3.1364$Xc.9048@newsfeed.slurp.net>#1/1
X-Deja-AN: 545598868
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300

X-Trace: newsfeed.slurp.net 941997734 209.155.134.50 (Sun, 07 Nov 1999 12:02:14 CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 07 Nov 1999 12:02:14 CDT
Newsgroups: alt.ham-radio.marketplace,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,alt.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur.boatanchors

Can anyone give me a identification number for the lithium battery used to back up the memory in an HTX-202. Or does anyone know another source besides Radio Shack for this battery. This is the third one I have to change in six years, and I hate to give Radio Shack another $15.00.

Richard

From -1844918913042045301
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,19a9a4a92d685a91
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,19a9a4a92d685a91
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f4306,19a9a4a92d685a91
X-Google-Attributes: gidf4306,public
X-Google-Thread: f76e2,19a9a4a92d685a91
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc8b1,19a9a4a92d685a91
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fb049,19a9a4a92d685a91
X-Google-Attributes: gidfb049,public
X-Google-Thread: fddbf,19a9a4a92d685a91
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 1009ad,19a9a4a92d685a91
X-Google-Attributes: gid1009ad,public
From: "Mike Yetsko" <joe@user.com>
Subject: Re: Need Info on HTX-202 lithium backup battery
Date: 1999/11/08
Message-ID: <806rcg$9in$1@holly.prod.itd.earthlink.net>#1/1
X-Deja-AN: 545944793
References: <G8jV3.1364$Xc.9048@newsfeed.slurp.net>
X-Posted-Path-Was: not-for-mail
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-ELN-Date: 8 Nov 1999 15:48:32 GMT
X-ELN-Insert-Date: Mon Nov 8 07:55:05 1999
Organization: EarthLink Network, Inc.
X-MSMail-Priority: Normal
Newsgroups: alt.ham-radio.marketplace,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,alt.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur.boatanchors

I just installed a 'generic' battery. Something like $3 at RS. I
clipped
off the old battery leads, and soldered right to the new one. I just
picked one that had about the right voltage and encased it in a piece
of heat shrink.

I forget which one I used. I bought my HTX-202 used, and the battery
died about a month after I got it. This was about 4 or 5 years ago
I think. Anyway, That new battery has been in ever since. Not a
single glitch until just last week. And that was when I plugged in this
aftermarket 8-cell AA pack that came with another HTX-202 I had
picked up. Turned out the alkalines in the pack were quite low, and
when I tried to run the radio, it 'glitched' and gave me the dreaded
ER1 message. I had to hard reset to get out of it. So maybe my
internal is getting low... Maybe time for the SECOND swap.

By the way, does ANYONE know where to get more screws that hold
the case together? I suppose I can get more from Maxon, if not RS.
RS list a 'screw kit', but I don't know if that's what I need or not.

Mike
N1DVJ

richard d'avy <rdavy@delrio.com> wrote in message
news:G8jV3.1364$Xc.9048@newsfeed.slurp.net...

> Can anyone give me a identification number for the lithium battery
used to
> back up the memory in an HTX-202. Or does anyone know another source
besides
> Radio Shack for this battery. This is the third one I have to change
in six
> years, and I hate to give Radio Shack another $15.00.
>
> Richard
>
>

From 7121587701885953881
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,d71e474906d2ad43,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,d71e474906d2ad43,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,d71e474906d2ad43,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f4306,d71e474906d2ad43,start

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X-Google-Attributes: gidf4306,public
X-Google-Thread: f76e2,d71e474906d2ad43,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fb049,d71e474906d2ad43,start
X-Google-Attributes: gidfb049,public
From: Ryan <rvkeller@iupui.edu>
Subject: Info on the Yaesu FT-23R
Date: 1999/11/08
Message-ID: <38270DBE.58C38117@iupui.edu>#1/1
X-Deja-AN: 545986291
Content-Transfer-Encoding: 7bit
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: news.ind.net 942083518 149.166.43.45 (Mon, 08 Nov 1999 12:51:58 EWT)
Organization: IHETS
MIME-Version: 1.0
NNTP-Posting-Date: Mon, 08 Nov 1999 12:51:58 EWT
Newsgroups: rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.vhf-uhf,alt.ham-
radio.packet,rec.ham-radio.packet,alt.ham-radio.marketplace
```

I would like info on this radio. I have also posted an add to buy one.
I want to know about modification and if its possible on both the
2.5Watt and 5 Watt models. Also want to know about a numeric touch pad
that a co-worker has on one. Can this be added to a radio or do you
have to buy the radio with it already added. Please email me at
rvkeller@iupui.edu and thanks for taking your time to help me out.
Ryan

```
From -6867793442550116555
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,cc92f32992e5464d,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,cc92f32992e5464d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,cc92f32992e5464d,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: fb049,cc92f32992e5464d,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f4306,cc92f32992e5464d,start
X-Google-Attributes: gidf4306,public
X-Google-Thread: 106d41,cc92f32992e5464d,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: f76e2,cc92f32992e5464d,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1009ad,cc92f32992e5464d,start
X-Google-Attributes: gid1009ad,public
From: Ryan <rvkeller@iupui.edu>
Subject: WTB: YAESU FT23R
Date: 1999/11/08
Message-ID: <38270CA5.B5B550FD@iupui.edu>#1/1
```

X-Deja-AN: 545991239
Content-Transfer-Encoding: 7bit
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: news.ind.net 942083237 149.166.43.45 (Mon, 08 Nov 1999 12:47:17 EWT)
Organization: IHETS
MIME-Version: 1.0
NNTP-Posting-Date: Mon, 08 Nov 1999 12:47:17 EWT
Newsgroups: alt.ham-radio.marketplace,alt.radio.scanner,rec.radio.cb,rec.radio.scanner,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.ham-radio.swap

I am looking to buy a new or used (good condition and working) Yaesu FT-23R, modified or non-modified. The one a friend has is equiped with a key pad, I would like this feature or info on how I can equip one with a keypad if possible. I found a place to buy one that is 5 watts, but the man said I cannot put a key pad on it. I dunno if he is right or not. Could you please send me any info about this radio. Thanks ryan

From -2789207366461855595
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,19a9a4a92d685a91
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,19a9a4a92d685a91
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,19a9a4a92d685a91
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,19a9a4a92d685a91
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f4306,19a9a4a92d685a91
X-Google-Attributes: gidf4306,public
X-Google-Thread: fb049,19a9a4a92d685a91
X-Google-Attributes: gidfb049,public
X-Google-Thread: fc8b1,19a9a4a92d685a91
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1009ad,19a9a4a92d685a91
X-Google-Attributes: gid1009ad,public
From: mdwade <mdwade@mobiletel.com>
Subject: Re: Need Info on HTX-202 lithium backup battery
Date: 1999/11/12
Message-ID: <382C4D76.55B@mobiletel.com>#1/1
X-Deja-AN: 547819110
Content-Transfer-Encoding: 7bit
References: <G8jV3.1364$Xc.9048@newsfeed.slurp.net>
Content-Type: text/plain; charset=us-ascii
Organization: AMC Internet
Mime-Version: 1.0
Reply-To: mdwade@mobiletel.com
Newsgroups: alt.ham-radio.marketplace,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,alt.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.ham-

```
radio.swap,rec.radio.amateur.boatanchors

richard d'avy wrote:
>
> Can anyone give me a identification number for the lithium battery used to
> back up the memory in an HTX-202. Or does anyone know another source besides
> Radio Shack for this battery. This is the third one I have to change in six
> years, and I hate to give Radio Shack another $15.00.
>
> Richard
I have replaced the lithuim battery with a coin cell holder using a #32
coin type.  Had to run a small twisted wire back to the board.  No
problems.  Now I just change the coin wafer out of a permanenet holder
mounted inside the radio.
73 de Martin N5PZJ



From 7516320962546296433
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,19a9a4a92d685a91
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,19a9a4a92d685a91
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f4306,19a9a4a92d685a91
X-Google-Attributes: gidf4306,public
X-Google-Thread: fddbf,19a9a4a92d685a91
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fb049,19a9a4a92d685a91
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,19a9a4a92d685a91
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc8b1,19a9a4a92d685a91
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1009ad,19a9a4a92d685a91
X-Google-Attributes: gid1009ad,public
From: mdwade <mdwade@mobiletel.com>
Subject: Re: Need Info on HTX-202 lithium backup battery
Date: 1999/11/12
Message-ID: <382C4E0D.7706@mobiletel.com>#1/1
X-Deja-AN: 547824559
Content-Transfer-Encoding: 7bit
References: <G8jV3.1364$Xc.9048@newsfeed.slurp.net>
<806rcg$9in$1@holly.prod.itd.earthlink.net>
Content-Type: text/plain; charset=us-ascii
Organization: AMC Internet
Mime-Version: 1.0
Reply-To: mdwade@mobiletel.com
Newsgroups: alt.ham-radio.marketplace,alt.ham-radio.packet,alt.ham-radio.vhf-
uhf,alt.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.ham-
radio.swap,rec.radio.amateur.boatanchors

Mike Yetsko wrote:
```

```
>
> I just installed a 'generic' battery.  Something like $3 at RS.  I
> clipped
> off the old battery leads, and soldered right to the new one. I just
> picked one that had about the right voltage and encased it in a piece
> of heat shrink.
>
> I forget which one I used. I bought my HTX-202 used, and the battery
> died about a month after I got it.  This was about 4 or 5 years ago
> I think.  Anyway, That new battery has been in ever since.  Not a
> single glitch until just last week.  And that was when I plugged in this
> aftermarket 8-cell AA pack that came with another HTX-202 I had
> picked up.  Turned out the alkalines in the pack were quite low, and
> when I tried to run the radio, it 'glitched' and gave me the dreaded
> ER1 message.  I had to hard reset to get out of it.  So maybe my
> internal is getting low...  Maybe time for the SECOND swap.
>
> By the way, does ANYONE know where to get more screws that hold
> the case together?  I suppose I can get more from Maxon, if not RS.
> RS list a 'screw kit', but I don't know if that's what I need or not.
>
> Mike
> N1DVJ
>
> richard d'avy <rdavy@delrio.com> wrote in message
> news:G8jV3.1364$Xc.9048@newsfeed.slurp.net...
> > Can anyone give me a identification number for the lithium battery
> used to
> > back up the memory in an HTX-202. Or does anyone know another source
> besides
> > Radio Shack for this battery. This is the third one I have to change
> in six
> > years, and I hate to give Radio Shack another $15.00.
> >
> > Richard
> >
> >
They ar called #2 in the USA and my best source was a jewlery shop.
Martin N5PZJ




From -7693872682180473609
X-Google-Language: DUTCH,ASCII-7-bit
X-Google-Thread: 1091c5,d77d2e9940b7377a,start
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,d77d2e9940b7377a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb6c1,d77d2e9940b7377a,start
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: f62cc,d77d2e9940b7377a,start
X-Google-Attributes: gidf62cc,public
X-Google-Thread: fb049,d77d2e9940b7377a,start
```

X-Google-Attributes: gidfb049,public
From: "W.T.M.Wessling" <wessling@gironet.nl>
Subject: Handleiding en netstekker Yeasu FT-221R
Date: 1999/11/18
Message-ID: <942960866.491173@jive.news.big-orange.net>#1/1
X-Deja-AN: 550280743
Cache-Post-Path: jive.news.big-orange.net!unknown@46.153.dialin.mxs.nl
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: newsmaster@admin.big-orange.net
X-Trace: rumba.admin.big-orange.net 942960866 11541 172.22.0.84 (18 Nov 1999 21:34:26 GMT)
Organization: MultiAccess
X-MSMail-Priority: Normal
NNTP-Posting-Date: 18 Nov 1999 21:34:26 GMT
Newsgroups: alt.ham-radio.fm,alt.ham-radio.vhf-uhf,alt.nl.radio.zendamateur.gelicentieerd,nl.radio.amateur,rec.ham-radio

L.S.
Wie kan mij helpen aan de handleiding van een Yeasu FT-221R all mode 2m transceiver. Tevens ben ik op zoek naar een netstekker voor deze tx.
Graag uw reaktie naar:
wessling@gironet.nl

Alvast dank!
Vr.gr.
Wim

From -3411283299703102638
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,337c7a61cca6f59d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 15238a,337c7a61cca6f59d,start
X-Google-Attributes: gid15238a,public
X-Google-Thread: 12843e,337c7a61cca6f59d,start
X-Google-Attributes: gid12843e,public
X-Google-Thread: 1146d3,337c7a61cca6f59d,start
X-Google-Attributes: gid1146d3,public
X-Google-Thread: 107045,337c7a61cca6f59d,start
X-Google-Attributes: gid107045,public
X-Google-Thread: 116abf,337c7a61cca6f59d,start
X-Google-Attributes: gid116abf,public
From: Bob <webhoster@home.com>
Subject: OPTO XPLORER FS: $700 CAN
Date: 1999/11/24
Message-ID: <383B949F.64B2A24C@home.com>#1/1
X-Deja-AN: 552407693
Content-Transfer-Encoding: 7bit
X-Accept-Language: en

Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc2.on.home.com 943428980 24.65.35.33 (Tue, 23 Nov 1999 23:36:20 PST)
Organization: @Home Network Canada
MIME-Version: 1.0
NNTP-Posting-Date: Tue, 23 Nov 1999 23:36:20 PST
Newsgroups: fido.ham-sale,fido7.hamradio,fido7.inter.ham-sale,fidonet.ham-sale,rec.ham-radio,alt.pirate.radio

Optoelectronics Xplorer Test Receiver Unblocked Version
For Sale:
This baby can scan .05Mhz to 2Ghz In 5SEC!!
It will lock on to any signal determined by the Squalch Meter
It has CTCSS, DTMF, Deviation, CTS and GPS(Optional)
You can lockout and Memorize any Freq.
It has backlighting and Will display Two lines of info plus you can hear the conversation!
This unit has NO GAPS! It has Automatic And VFO so u can fine tune it.
It comes Witth The Following:
The Test Receiver
Telescopic Ant.
800Mhz Ant.
RS-232 Cable & Software To connect to PC
Charger

I've only had it for two month so its in brand new condition
Visit www.optoelectronics.com for Full description
email me at webhoster@home.com or midhack@ureach.com
Price is $700 CAN
COD

From 848948905633874170
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d9ca4e96b8181455,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,d9ca4e96b8181455,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 114671,d9ca4e96b8181455,start
X-Google-Attributes: gid114671,public
X-Google-Thread: fb049,d9ca4e96b8181455,start
X-Google-Attributes: gidfb049,public
From: "Jan Buiting" <techtext@worldonline.nl>
Subject: Need Icom V200 PMR software
Date: 1999/11/26
Message-ID: <81liei$2rgo$1@beast.euro.net>#1/1
X-Deja-AN: 553232085
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300

X-Complaints-To: abuse@euronet.nl
X-Trace: beast.euro.net 943607058 93720 194.134.29.65 (26 Nov 1999 09:04:18 GMT)
Organization: EuroNet Internet
Reply-To: "Jan Buiting" <techtext@worldonline.nl>
NNTP-Posting-Date: 26 Nov 1999 09:04:18 GMT
Newsgroups: alt.ham-radio.vhf-uhf,aus.radio.amateur.misc,rec.ham-radio,uk.radio.amateur

Hi all

Software needed to reprogram EPROM-based frequencies etc. in an Icom V200T PMR.

thanks

Jan
pe1csi@amsat.org
pe1csi@qsl.net

From -9024352908973831836
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,41ef8745d3dc1296,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105955,41ef8745d3dc1296,start
X-Google-Attributes: gid105955,public
X-Google-Thread: fb049,41ef8745d3dc1296,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f64c6,41ef8745d3dc1296,start
X-Google-Attributes: gidf64c6,public
From: "Jan Buiting" <techtext@worldonline.nl>
Subject: Pye/Philips MX294 PMRs for sale
Date: 1999/11/30
Message-ID: <820guv$1qju$1@beast.euro.net>#1/1
X-Deja-AN: 554827769
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: abuse@euronet.nl
X-Trace: beast.euro.net 943965983 60030 194.134.29.44 (30 Nov 1999 12:46:23 GMT)
Organization: EuroNet Internet
X-MSMail-Priority: Normal
Reply-To: "Jan Buiting" <techtext@worldonline.nl>
NNTP-Posting-Date: 30 Nov 1999 12:46:23 GMT
Newsgroups: alt.ham-radio.vhf-uhf,att.ham-radio,rec.ham-radio,uk.radio.amateur

On behalf of a national Dutch Red Cross division I have a sales lead to a batch of approx. 20 PMRs. The exact description is:
MX294RAW with CX290 control panel
IF = 21.4MHz, synth. ref. = 5kHz

Keypad
8-digit 7-segment LED readout.
TX 25 watts.
Dashboard mounting.
Original frequency 158MHz.
Some are cradle versions, some standard bracket mounting. Cradles & microphones. All in reasonable to good condition.
Ideal for amateur use using a well-tried conversion at minimum cost.
Frequency readout on display (78 channels 25kHz stepped or 103 channels 12.5kHz stepped).
Conversion document, EPROM and PROM files available. PROM reprogramming possible.

Price NLG 1500 the lot (approx. GBP 475 *check exchange rate*) plus carriage.
Sorry, no one-off sale. Lot stored in the Netherlands.

best regards
Jan, PE1CSI
Philips Vintage PMR Collection

replies to
pe1csi@amsat.org

From -990301127700625073
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,626fc917771f4bc4,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,626fc917771f4bc4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,626fc917771f4bc4,start
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,626fc917771f4bc4,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,626fc917771f4bc4,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 115648,626fc917771f4bc4,start
X-Google-Attributes: gid115648,public
X-Google-Thread: 114671,626fc917771f4bc4,start
X-Google-Attributes: gid114671,public
X-Google-Thread: 10ed5f,626fc917771f4bc4,start
X-Google-Attributes: gid10ed5f,public
From: "nick.willis" <nick.willis@eggconnect.net>
Subject: ROBERTS RADIOS
Date: 1999/11/30
Message-ID: <38443982_1@news1.vip.uk.com>#1/1
X-Deja-AN: 554999872
X-Report: Report abuse to abuse@vip.uk.com

X-Trace: 30 Nov 1999 20:54:26 GMT, modem-206-9-60-62.vip.uk.com
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,alt.radio.uk,aus.radio.amateur.misc,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,uk.radio.amateur
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3

could someone please let me know more info on the following Roberts radios:-

R309 4 band digital radio
R862 12 band world radio compact design
SRC985 3 band portable radio with single cassette

are they very good and what do they retail for?

email appreciated

regards

nick willis

From 4071392960568860363
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,626fc917771f4bc4
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,626fc917771f4bc4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115648,626fc917771f4bc4
X-Google-Attributes: gid115648,public
X-Google-Thread: f76e2,626fc917771f4bc4
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,626fc917771f4bc4
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114671,626fc917771f4bc4
X-Google-Attributes: gid114671,public
X-Google-Thread: 10ed5f,626fc917771f4bc4
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,626fc917771f4bc4
X-Google-Attributes: gid108778,public
From: "Jim" <rjh@clara.net>
Subject: Re: ROBERTS RADIOS
Date: 1999/11/30
Message-ID: <EWX04.957$AD5.18109@nnrp4.clara.net>#1/1
X-Deja-AN: 555025710
References: <38443982_1@news1.vip.uk.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Complaints-To: abuse@clara.net
X-Trace: nnrp4.clara.net 943999780 195.8.82.115 (Tue, 30 Nov 1999 22:09:40 GMT)
NNTP-Posting-Date: Tue, 30 Nov 1999 22:09:40 GMT

Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,alt.radio.amateur,alt.radio.uk,aus.radio.amateur.misc,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,uk.radio.amateur

nick.willis wrote in message <38443982_1@news1.vip.uk.com>...
>could someone please let me know more info on the following Roberts
radios:-
>
>R309 4 band digital radio
>R862 12 band world radio compact design
>SRC985 3 band portable radio with single cassette
>
>are they very good and what do they retail for?
>
>email appreciated

They're fine pieces of kit, albeit rebadged products of the Sangean corporation. Buy 'em on the net from www.purleyradio.co.uk

Original Roberts Radios are even finer, though. But I collect them so I would say that.

Jim

From -5229524146687840125
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d9ca4e96b8181455
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,d9ca4e96b8181455
X-Google-Attributes: gidfb049,public
X-Google-Thread: f64c6,d9ca4e96b8181455
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 114671,d9ca4e96b8181455
X-Google-Attributes: gid114671,public
From: Nigel@k009.demon.co.uk (Nigel)
Subject: Re: Need Icom V200 PMR software
Date: 1999/11/30
Message-ID: <38445c6b.3334685@news.btinternet.com>#1/1
X-Deja-AN: 555054199
References: <81liei$2rgo$1@beast.euro.net>
Organization: BT Internet
Newsgroups: alt.ham-radio.vhf-uhf,aus.radio.amateur.misc,rec.ham-radio,uk.radio.amateur

```
On Fri, 26 Nov 1999 10:06:44 +0100, "Jan Buiting"
<techtext@worldonline.nl> wrote:

>Hi all
>
>Software needed to reprogram EPROM-based frequencies etc. in an Icom V200T
>PMR.
>
>thanks
>
>Jan
>pe1csi@amsat.org
>pe1csi@qsl.net
>
>
>
Has it got a Keypad ? i think it's programmed via that.

Regards
   * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
   * Nigel Downing.                          TEL/FAX  +44 07020 921274 *
   * http://www.k009.demon.co.uk               Mobile +44 07050 073452 *
   * Pic Programmers/Loggers/Emulators/ISO7816 Interfaces              *
   *********************************************************************



From 5775606697555624338
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,626fc917771f4bc4
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,626fc917771f4bc4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,626fc917771f4bc4
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 115648,626fc917771f4bc4
X-Google-Attributes: gid115648,public
X-Google-Thread: 108778,626fc917771f4bc4
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,626fc917771f4bc4
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,626fc917771f4bc4
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114671,626fc917771f4bc4
X-Google-Attributes: gid114671,public
From: Terry Sanford <tsanford@roadrunner.nf.net>
Subject: Re: ROBERTS RADIOS
Date: 1999/12/02
Message-ID: <384736E4.84CBC643@roadrunner.nf.net>#1/1
X-Deja-AN: 556058166
Content-Transfer-Encoding: 7bit
References: <38443982_1@news1.vip.uk.com>
Content-Type: text/plain; charset=us-ascii
```

```
X-Complaints-To: news@thezone.net
X-Trace: nova.thezone.net 944191191 3053 205.251.224.9 (3 Dec 1999 03:19:51 GMT)
Organization: Cable Atlantic
Mime-Version: 1.0
NNTP-Posting-Date: 3 Dec 1999 03:19:51 GMT
Newsgroups: alt.ham-radio,alt.ham-
radio.marketplace,alt.radio.amateur,alt.radio.uk,aus.radio.amateur.misc,rec.ham-
radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,uk.radio.amateur
```

nick.willis wrote:

> could someone please let me know more info on the following Roberts radios:-
>
> R309 4 band digital radio
> R862 12 band world radio compact design
> SRC985 3 band portable radio with single cassette
>
> are they very good and what do they retail for?
>
> email appreciated
>
> regards
>
> nick willis

Nick in regard your question about "Roberts radios";
Saw something about these (I think) on < www.purleyradio.co.uk >
Just a suggestion.
Terry S. Torbay Canada.

```
From -9083383211004734468
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f01721450211fb74,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,f01721450211fb74,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f76e2,f01721450211fb74,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,f01721450211fb74,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,f01721450211fb74,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,f01721450211fb74,start
X-Google-Attributes: gid11480d,public
From: "gestyr" <gestyr@epix.net>
Subject: ISO.COM
```

Date: 1999/12/05
Message-ID: <rSC24.1508$7n.201141@news1.epix.net>#1/1
X-Deja-AN: 557051080
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
X-Complaints-To: abuse@epix.net
X-Trace: news1.epix.net 944437783 216.37.160.41 (Sun, 05 Dec 1999 18:49:43 EST)
NNTP-Posting-Date: Sun, 05 Dec 1999 18:49:43 EST
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.dx

I am looking for a program called ISO.COM

It is a DOS based controller program for an AEA IsoLoop IT1 Tuner. I picked the antenna up at an estate sale but the program was not with it. If anybody could help, I would appreciate it. Thanx.

KB3CVO

From 1924375355889704860
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,57ed1255e2bea6c1,start
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,57ed1255e2bea6c1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,57ed1255e2bea6c1,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,57ed1255e2bea6c1,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,57ed1255e2bea6c1,start
X-Google-Attributes: gid108778,public
From: "Randall Buxton" <rbuxton@home.com>
Subject: 220 MHz radios
Date: 1999/12/07
Message-ID: <Dr034.14213$%5.212860@news1.rdc1.sdca.home.com>#1/1
X-Deja-AN: 557564440
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.sdca.home.com 944542563 24.5.250.118 (Mon, 06 Dec 1999 20:56:03 PST)
Organization: @Home Network
X-MSMail-Priority: Normal
NNTP-Posting-Date: Mon, 06 Dec 1999 20:56:03 PST
Newsgroups: alt.ham-radio.fm,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment

Why are there so few HT's with 220 MHz band???? Wasn't this a band where a couple MHz were taken away because of ham inactivity and a campaign by ARRL to use the 220 band freqs or lose 'em?????? I see a lot of dual band HT's (for example)with 144/430 freqs but no 144/220 HT's. Why is that?

Randall Buxton

From 1860730116095350502
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,57ed1255e2bea6c1
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,57ed1255e2bea6c1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,57ed1255e2bea6c1
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,57ed1255e2bea6c1
X-Google-Attributes: gidfa656,public
From: Clint Bradford <clint@clintbradford.com>
Subject: Re: 220 MHz radios
Date: 1999/12/07
Message-ID: <82jcrl$fmi$1@nnrp1.deja.com>#1/1
X-Deja-AN: 557586020
References: <Dr034.14213$%5.212860@news1.rdc1.sdca.home.com>
X-Http-Proxy: 1.0 x35.deja.com:80 (Squid/1.1.22) for client 209.178.122.30
Organization: Deja.com - Before you buy.
X-Article-Creation-Date: Tue Dec 07 16:32:53 1999 GMT
X-MyDeja-Info: XMYDJUIDclintbradford
Newsgroups: alt.ham-radio.fm,alt.radio.amateur,rec.ham-radio,rec.radio.amateur
X-Http-User-Agent: Mozilla/4.7 [en] (Win98; U)

In article <Dr034.14213$%5.212860@news1.rdc1.sdca.home.com>,
  "Randall Buxton" <rbuxton@home.com> wrote:
> Why are there so few HT's with 220 MHz band?

There are a few available - both HT and mobile units.

Is there any 220 activity in your region? It may be your ideal "first HT."

The Standard C288a HT was MY first HT - and I still use it. I researched what was happening in MY region...joined a few amateur radio clubs...and made my HT buying decision after consulting with many others who were doing exactly what I wanted to do with ham radio.

 - Clint Bradford, ATTENTION to Details
   http://www.clintbradford.com

Sent via Deja.com http://www.deja.com/
Before you buy.

From 3085626682228938863
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,57ed1255e2bea6c1
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 108122,57ed1255e2bea6c1
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,57ed1255e2bea6c1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,57ed1255e2bea6c1
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,57ed1255e2bea6c1
X-Google-Attributes: gidfa656,public
From: rhawk@megabits.net (Robert Hawk)
Subject: Re: 220 MHz radios
Date: 1999/12/07
Message-ID: <384d10b1.1923408@news.megabits.net>#1/1
X-Deja-AN: 557697346
References: <Dr034.14213$%5.212860@news1.rdc1.sdca.home.com>
X-Trace: typ12.nn.bcandid.com 944574897 207.30.122.61 (Tue, 07 Dec 1999 08:54:57 EST)
Organization: bCandid - Powering the world's discussions - http://bCandid.com
NNTP-Posting-Date: Tue, 07 Dec 1999 08:54:57 EST
Newsgroups: alt.ham-radio.fm,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment

Think about it, you do not find that much mobile or fixed equipment either. Part of the problem is the frequency is not that close to a commercial FM band, so we do not have much good commercial equipment to convert for 220 Mhz Repeaters.

Bob

On Tue, 07 Dec 1999 04:56:03 GMT, "Randall Buxton" <rbuxton@home.com> wrote:

>Why are there so few HT's with 220 MHz band???? Wasn't this a band where a
>couple MHz were taken away because of ham inactivity and a campaign by ARRL
>to use the 220 band freqs or lose 'em??????   I see a lot of dual band HT's
>(for example)with 144/430 freqs but no 144/220 HT's. Why is that?
>
>Randall Buxton
>
>
>
>

```
From 5845229980791892941
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,57ed1255e2bea6c1
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,57ed1255e2bea6c1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,57ed1255e2bea6c1
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,57ed1255e2bea6c1
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,57ed1255e2bea6c1
X-Google-Attributes: gidfa656,public
From: "Daniel nicholson" <dnicholson@socket.net>
Subject: Re: 220 MHz radios
Date: 1999/12/07
Message-ID: <s4r4gu80qeg167@corp.supernews.com>#1/1
X-Deja-AN: 557902440
References: <Dr034.14213$%5.212860@news1.rdc1.sdca.home.com>
Organization: Posted via Supernews, http://www.supernews.com
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
Newsgroups: alt.ham-radio.fm,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment
X-Complaints-To: newsabuse@supernews.com
```

One of the major factors in there being so little 220 gear is that there is
NO 220 band in Japan. Since Japan has 2-3 times as many hams as the US the
big market for 220 gear is not in the country that makes most of the
equipment. And just how many US hams are on 220??? I own a 220 repeater
here and I can tell you that there are less then 6 Hams on 220 in this area.
No manufacturer wants to tool up for that small of a market. Now if we could
convince Japan to open a 220 band we would have all the gear we want!!!!
Maybe we should try to get TEN-TEC/MFJ to make 220 gear....<there is a
Ten-Tec kit for 220>

73 Dan

Randall Buxton wrote in message ...

```
>Why are there so few HT's with 220 MHz band????  Wasn't this a band where a
>couple MHz were taken away because of ham inactivity and a campaign by ARRL
>to use the 220 band freqs or lose 'em??????   I see a lot of dual band HT's
>(for example)with 144/430 freqs but no 144/220 HT's.  Why is that?
>
>Randall Buxton
>
>
>
>
```

From -3996257234947010130
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,57ed1255e2bea6c1
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,57ed1255e2bea6c1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,57ed1255e2bea6c1
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,57ed1255e2bea6c1
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,57ed1255e2bea6c1
X-Google-Attributes: gid108778,public
From: David Adams <dadams@intellimark-mn.com>
Subject: Re: 220 MHz radios
Date: 1999/12/09
Message-ID: <384FD780.D4EF1421@intellimark-mn.com>#1/1
X-Deja-AN: 558631208
Content-Transfer-Encoding: 7bit
References: <Dr034.14213$%5.212860@news1.rdc1.sdca.home.com>
<s4r4gu80qeg167@corp.supernews.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
Organization: Intellimark
Mime-Version: 1.0
Newsgroups: alt.ham-radio.fm,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment

Daniel nicholson wrote:

> One of the major factors in there being so little 220 gear is that there is
> NO 220 band in Japan. Since Japan has 2-3 times as many hams as the US the
> big market for 220 gear is not in the country that makes most of the
> equipment. And just how many US hams are on 220??? I own a 220 repeater
> here and I can tell you that there are less then 6 Hams on 220 in this area.
> No manufacturer wants to tool up for that small of a market. Now if we could
> convince Japan to open a 220 band we would have all the gear we want!!!!
> Maybe we should try to get TEN-TEC/MFJ to make 220 gear....<there is a
> Ten-Tec kit for 220>
>
> 73 Dan

Since 220 is the first band where Novices have any serious privileges this subject seems to relate to why there are so few novices.   But I can't tell for sure which way it goes.   Does the lack of novices reduce the pool of 220 users or the lack of 220 activity and gear simply discourage people from getting their novice license?

I think the TEN-TEC 220 Mhz kit looks wonderful.   Computer control and most of the features of any modern radio! If my kids had stopped at Novice I would have bought a couple of these. As it is, the greater privileges of Tech lured them on to complete the tech exam. However I do think the TEN-TEC 220 Mhz kit is pricy.   At $295 it didn't compare well to the Yaesu VX-5R that they both wanted so much, so off to the Tech bands they went!

Note that ADI makes a nice 220 mobile rig.   ADI/PRYME makes a 220 handheld,
and Alinco makes another 220 handheld, so they are not non-existant.

--
73 de David Adams   AA0PV

Old Sourdoughs never die. They just ferment away!

```
From 9150491218155937944
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3da1269e46486a50,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,3da1269e46486a50,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,3da1269e46486a50,start
X-Google-Attributes: gid10ed5f,public
From: "Dimitri Vekris" <dv@interlog.com>
Subject: FS: Icom IC-W32A Dual Band Heanheld
Date: 1999/12/12
Message-ID: <UrS44.16248$eh2.201405@news2.rdc1.on.home.com>#1/1
X-Deja-AN: 559781895
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: abuse@home.net
X-Trace: news2.rdc1.on.home.com 945025908 24.112.210.12 (Sun, 12 Dec 1999 11:11:48
PST)
Organization: @Home Network Canada
X-MSMail-Priority: Normal
Reply-To: "Dimitri Vekris" <dv@interlog.com>
NNTP-Posting-Date: Sun, 12 Dec 1999 11:11:48 PST
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-radio
```

For sale:

Icom IC-W32A Dual Band Heanheld.
2 Meter/440 MHz Dual Bander Handheld

Advanced Operations Have Never Been Easier!

"With its five big watts and a plethora of features, the IC-W32A provides just about everything you could possibly need in an H-T. Best of all, perhaps, the IC-W32A makes a serious effort to take some of the pain out of using a small, complex piece of technology" -- QST, July 1997

- Dimensions: 2.25 (W), 5.5 (H), 1.4 (D), 16 oz
- 5 Watts of power @ 13.5 V
- 200 memory channels

- 8 character alphanumeric memory channel identification, keypad entry
- Backlit display and keypad
- ICOM rugged! Meets MIL SPEC C/D/E for shock and vibration
- Handheld to handheld cloning capability (opt. OPC-474 cloning cable) or PC programming capability
- Independent band controls for tuning and volume
- VHF/UHF exchange function allows assignment of VHF/UHF band controls to either knob

More detailed IC-W32A specifications and options.
Modified for MARS capability

Asking US$299
Licensed Amateur Radio Operators only please!
Contact dv@interlog.com

From -6916093783784690357
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eb83f3ff1fe89058,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1128d6,eb83f3ff1fe89058,start
X-Google-Attributes: gid1128d6,public
From: george@agora.rdrop.com (George Rachor)
Subject: Installing antenna in roof of minivan
Date: 1999/12/13
Message-ID: <3855753e$1_7@goliath.newsfeeds.com>#1/1
X-Deja-AN: 560281827
X-Abuse-Info2: ALL Spam complaints are acted upon within 24 hours!
X-Report: Report abuse to abuse@newsfeeds.com
X-Trace: 13 Dec 1999 16:37:50 -0600, 199.2.210.241
Organization: Newsfeeds.com http://www.newsfeeds.com 60,000+ UNCENSORED Newsgroups.
Newsgroups: pdx.general,rec.ham-radio
X-Abuse-Info: Please be sure to forward a copy of ALL headers, INCLUDING the body

I'm looking for a reliable business to install a HAM radio and antenna into my minivan. It would be a bit more complicated than most as the radio controls are in a seperate faceplate and I'd like to mount these up where the sunglass holder would normally go.

Anyone have a reccomendation?

Thanks,

George Rachor
Beaverton, Oregon
george@racsys.rt.rain.com

--
===
George L. Rachor Jr.   george@racsys.rt.rain.com
Beaverton, Oregon   http://racsys.rt.rain.com
United States of America   Amateur Radio : KD7DCX

-----------== Posted via Newsfeeds.Com, Uncensored Usenet News ==----------
http://www.newsfeeds.com   The Largest Usenet Servers in the World!
------== Over 73,000 Newsgroups - Including Dedicated Binaries Servers ==-----

From -7622461314840814311
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dab87ec8aa8b12b4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,dab87ec8aa8b12b4
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,dab87ec8aa8b12b4
X-Google-Attributes: gid11480d,public
From: Phil Wheeler <w7ox@mindspring.com>
Subject: Re: Volunteer Position on South Pacific Atoll
Date: 1999/07/25
Message-ID: <379B5ACC.FEFFE978@mindspring.com>#1/1
X-Deja-AN: 505097181
Content-Transfer-Encoding: 7bit
References: <7n8e60$a10$1@nnrp1.deja.com> <7nejjb$lvh$1@bgtnsc01.worldnet.att.net>
<379B45BF.9CCB2F37@neo.rr.com>
To: Don Nelsch <dnelsch@neo.rr.com>
X-Accept-Language: en
X-Server-Date: 25 Jul 1999 18:46:03 GMT
Content-Type: text/plain; charset=us-ascii
Organization: Outstanding
Mime-Version: 1.0
Reply-To: w7ox@mindspring.com
Newsgroups: rec.ham-radio,rec.radio.amateur.dx,rec.radio.amateur.equipment

But you could be rare DX. Besides, likely not much to spend money on
there, anyway.

Phil

Don Nelsch wrote:
>
> Wouldn't hurt to be rich either! "Volunteer" doesn't buy much radio or
> computer equipment to say nothing of a good steak dinner once in a
> while. Besides, the wife wouldn't appreciate me cavorting with all
> those South Sea beauties while she suffered with the ice and snow of an
> Ohio winter.
>
> Paul F. Murphy wrote:
>

> > Man, what an adventure...if only I were younger!

From 5089699855445172579
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dab87ec8aa8b12b4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,dab87ec8aa8b12b4
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,dab87ec8aa8b12b4
X-Google-Attributes: gid11480d,public
From: "DiGitaal_DiSrupTer" <superwarbird@juno.com>
Subject: Re: Volunteer Position on South Pacific Atoll
Date: 1999/07/26
Message-ID: <933028184.259356@axilla.wwnet.net>#1/1
X-Deja-AN: 505635631
Cache-Post-Path: axilla.wwnet.net!unknown@max2-132.newpontiac.usabestnet.net
References: <7n8e60$a10$1@nnrp1.deja.com> <7nejjb$lvh$1@bgtnsc01.worldnet.att.net> <379B45BF.9CCB2F37@neo.rr.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
X-Trace: news13.ispnews.com 933046800 209.142.193.71 (Mon, 26 Jul 1999 23:40:00 EDT)
Organization: USA Best Net
X-Cache: nntpcache 2.3.3b4 (see http://www.nntpcache.org/)
NNTP-Posting-Date: Mon, 26 Jul 1999 23:40:00 EDT
Newsgroups: rec.ham-radio,rec.radio.amateur.dx,rec.radio.amateur.equipment

What if it turns out that just down the beach is this beautiful resort.....that's looking for a systems admin starting at $70,000/yr.

hehehehe.....see you in line

DD

Don Nelsch wrote in message <379B45BF.9CCB2F37@neo.rr.com>...
>Wouldn't hurt to be rich either! "Volunteer" doesn't buy much radio or
>computer equipment to say nothing of a good steak dinner once in a
>while. Besides, the wife wouldn't appreciate me cavorting with all
>those South Sea beauties while she suffered with the ice and snow of an
>Ohio winter.
>
>Paul F. Murphy wrote:
>
>> Man, what an adventure...if only I were younger!
>

From 6469864652741338720
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,dab87ec8aa8b12b4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,dab87ec8aa8b12b4
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,dab87ec8aa8b12b4
X-Google-Attributes: gid11480d,public
From: ti2dll@expressmail.net (Mario Melendez Esquivel)
Subject: Re: Volunteer Position on South Pacific Atoll
Date: 1999/07/28
Message-ID: <slrn7pu2it.cq.ti2dll@ti2dll.dynip.com>#1/1
X-Deja-AN: 506267812
Content-Transfer-Encoding: 8bit
References: <7n8e60$a10$1@nnrp1.deja.com> <7nejjb$lvh$1@bgtnsc01.worldnet.att.net>
<379B45BF.9CCB2F37@neo.rr.com> <933028184.259356@axilla.wwnet.net>
Content-Type: text/plain; charset=iso-8859-1
X-Trace: fu-berlin.de 933183401 18595 (none)
X-Access: 16 [7470]
Mime-Version: 1.0
User-Agent: slrn/0.9.5.3 (UNIX)
Newsgroups: rec.ham-radio,rec.radio.amateur.dx,rec.radio.amateur.equipment

In article <933028184.259356@axilla.wwnet.net>, DiGitaal_DiSrupTer wrote:
>What if it turns out that just down the beach is this beautiful
>resort.....that's looking for a systems admin starting at $70,000/yr.

And they just happen to have a 150 foot tower with a huge beam, FT-1000DSP,
and a 2 Kw amp they don't know what to do with, from a ham who used to work
there but went silent 2 years ago...

<grin>

--
//\/\ario //\/\elendez- TI2DLL
ti2dll@email.com

From 6337163223074145318
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c8bb70ef2b1bc6b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,8c8bb70ef2b1bc6b,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,8c8bb70ef2b1bc6b,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 107ada,8c8bb70ef2b1bc6b,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f7653,8c8bb70ef2b1bc6b,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: 10bf43,8c8bb70ef2b1bc6b,start
X-Google-Attributes: gid10bf43,public
X-Google-Thread: fa656,8c8bb70ef2b1bc6b,start
X-Google-Attributes: gidfa656,public

X-Google-Thread: fc2a5,8c8bb70ef2b1bc6b,start
X-Google-Attributes: gidfc2a5,public
From: kf7vy@amsat.org (Ed Mitchell)
Subject: Hamradio-Online.Com - New Design, please take our online poll
Date: 1999/07/28
Message-ID: <2XJn3.4300$VL2.455230@news.direcpc.com>#1/1
X-Deja-AN: 506326170
X-Trace: news.direcpc.com 933194558 10.20.1.145 (Wed, 28 Jul 1999 16:42:38 EDT)
NNTP-Posting-Date: Wed, 28 Jul 1999 16:42:38 EDT
Newsgroups:
rec.radio.amateur.misc,rec.radio.amateur.digital.misc,rec.radio.amateur.policy,rec.radio.amateur.homebrew,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.spacerec.radio.scanner
X-Complaints-To: abuse@direcpc.com

I've set up a proposed new design for the http://hamradio-online.com web site.
I've added an online poll to seek your input on the new design - please visit
http://hamradio-online.com and give me your feedback - Thanks!

I'm also proposing to open up sections of this popular web site to volunteer
editors who could own their own sections on special interest topics.

Finally, I've just launched a new, very much improved, online discussion forum
and I'd like to see your feddback on that too. Post your comments on the
Discussion forum at http://hamradio-online.com

Thanks! 73, Ed, KF7VY
http://hamradio-online.com

From 10919549012865136
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c8bb70ef2b1bc6b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,8c8bb70ef2b1bc6b
X-Google-Attributes: gid108122,public
X-Google-Thread: fc2a5,8c8bb70ef2b1bc6b
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,8c8bb70ef2b1bc6b
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10bf43,8c8bb70ef2b1bc6b
X-Google-Attributes: gid10bf43,public
X-Google-Thread: f7653,8c8bb70ef2b1bc6b
X-Google-Attributes: gidf7653,public
X-Google-Thread: 107ada,8c8bb70ef2b1bc6b
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,8c8bb70ef2b1bc6b
X-Google-Attributes: gidfcc6e,public
From: "tom" <tsokol@injersey.com>
Subject: Re: Hamradio-Online.Com - New Design, please take our online poll

```
Date: 1999/07/28
Message-ID: <7nnthg$q22$1@nw003t.infi.net>#1/1
X-Deja-AN: 506349447
References: <2XJn3.4300$VL2.455230@news.direcpc.com>
Organization: InfiNet
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
Newsgroups:
rec.radio.amateur.misc,rec.radio.amateur.digital.misc,rec.radio.amateur.policy,rec
.radio.amateur.homebrew,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.
radio.amateur.spacerec.radio.scanner

Gee, now what was that web address again?
:-)
Tom

Ed Mitchell wrote in message <2XJn3.4300$VL2.455230@news.direcpc.com>...
>I've set up a proposed new design for the http://hamradio-online.com web
site.
>I've added an online poll to seek your input on the new design - please
visit
>http://hamradio-online.com and give me your feedback - Thanks!
>
>I'm also proposing to open up sections of this popular web site to
volunteer
>editors who could own their own sections on special interest topics.
>
>Finally, I've just launched a new, very much improved, online discussion
forum
>and I'd like to see your feddback on that too. Post your comments on the
>Discussion forum at http://hamradio-online.com
>
>Thanks! 73, Ed, KF7VY
>http://hamradio-online.com
>




From 2871196009465208155
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,c3756abe58880993,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,c3756abe58880993,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f84e8,c3756abe58880993,start
X-Google-Attributes: gidf84e8,public
X-Google-Thread: f76e2,c3756abe58880993,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f4306,c3756abe58880993,start
X-Google-Attributes: gidf4306,public
X-Google-Thread: 10fbd1,c3756abe58880993,start
```

X-Google-Attributes: gid10fbd1,public
From: "Randy Biesel" <rrb5@flash.net>
Subject: New ICOM 706MKIIG email reflector
Date: 1999/07/30
Message-ID: <h%bo3.1190$OI1.1081@news.flash.net>#1/1
X-Deja-AN: 506883423
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Complaints-To: abuse@flash.net
X-Trace: news.flash.net 933317709 209.30.178.28 (Fri, 30 Jul 1999 01:55:09 CDT)
Organization: FlashNet Communications, http://www.flash.net
NNTP-Posting-Date: Fri, 30 Jul 1999 01:55:09 CDT
Newsgroups: alt.ham-radio.marketplace,alt.ham-radio.packet,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.digital,rec.radio.amateur.packet

New Amateur radio List go take a look

http://www.onelist.com/subscribe/IC-706Mk2G

New list has many new features online for all subscribers:
List archives
User HAM Links
User file area

This is site is not affiliated with Icom America or its subsidiaries.

73's
N5ISV

http://www.onelist.com/subscribe/IC-706Mk2G

From -443215270721036916
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d090d28b27d484,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,95d090d28b27d484,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,95d090d28b27d484,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f7653,95d090d28b27d484,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: 1109af,95d090d28b27d484,start
X-Google-Attributes: gid1109af,public
From: "NewHam" <iden1000@hotmail.com>
Subject: ICOM Q7A or Yaesu VX-1R
Date: 1999/08/02
Message-ID: <w3ep3.348$Q3.4678151@bunson.tor.sfl.net>#1/1
X-Deja-AN: 507900871
NNTP-Posting-Date: Mon, 02 Aug 1999 06:05:16 EST

```
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.
radio.swap
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
```

Hi! Everybody!! I'm going to get a small transceiver w/ wide rx. and can
easy to fit my pocket, What will you recommend? How about Q7A or VX-1R?
...WHICH ON IS BETTER? THANKS!!

73 DE VE3CHI

```
From -5637331484813802701
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d090d28b27d484
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,95d090d28b27d484
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,95d090d28b27d484
X-Google-Attributes: gidfa656,public
X-Google-Thread: f7653,95d090d28b27d484
X-Google-Attributes: gidf7653,public
From: kg5un@juno.com
Subject: Re: ICOM Q7A or Yaesu VX-1R
Date: 1999/08/02
Message-ID: <7o4b46$mkq$1@nnrp1.deja.com>#1/1
X-Deja-AN: 507955583
References: <w3ep3.348$Q3.4678151@bunson.tor.sfl.net>
X-Http-Proxy: 1.1 x26.deja.com:80 (Squid/1.1.22) for client 216.178.154.227
Organization: Deja.com - Share what you know. Learn what you don't.
X-Article-Creation-Date: Mon Aug 02 14:48:42 1999 GMT
X-MyDeja-Info: XMYDJUIDkg5un
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.digital.misc,rec.radio.amateur.misc
X-Http-User-Agent: Mozilla/4.0 (compatible; MSIE 4.01; Windows 98)
```

The Icom Q7A wins hands down. It has better audio, great sensitivity,
and much better scan perfomance. Plus if you use the programming
software you can listen down into the shortwave frequencies.

Good luck,
Ed
In article <w3ep3.348$Q3.4678151@bunson.tor.sfl.net>,
"NewHam" <iden1000@hotmail.com> wrote:

> Hi! Everybody!! I'm going to get a small transceiver w/ wide rx. and can
> easy to fit my pocket, What will you recommend? How about Q7A or VX-1R?
> ...WHICH ON IS BETTER? THANKS!!
>

> 73 DE VE3CHI
>
>

Sent via Deja.com http://www.deja.com/
Share what you know. Learn what you don't.

```
From -3517198129262646823
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d090d28b27d484
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f7653,95d090d28b27d484
X-Google-Attributes: gidf7653,public
X-Google-Thread: 107ada,95d090d28b27d484
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,95d090d28b27d484
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1109af,95d090d28b27d484
X-Google-Attributes: gid1109af,public
From: Randy <rcarles@ix.netcom.com>
Subject: Re: ICOM Q7A or Yaesu VX-1R
Date: 1999/08/02
Message-ID: <37A5F75F.8B9790B6@ix.netcom.com>#1/1
X-Deja-AN: 508073775
Content-Transfer-Encoding: 7bit
References: <w3ep3.348$Q3.4678151@bunson.tor.sfl.net>
Content-Type: text/plain; charset=us-ascii
Organization: Netcom
X-NETCOM-Date: Mon Aug 02  2:50:43 PM CDT 1999
Mime-Version: 1.0
X-Inktomi-Trace: sji-ca-cache 933623439 24953 205.186.213.116 (2 Aug 1999 19:50:39
GMT)
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.
radio.swap
```

The VX-1R has an alphanumeric display, and it is half the size.
The better radio is the one you like. Buy one of each, then give the one
you don't like to your wife/girlfriend.

NewHam wrote:

> Hi! Everybody!! I'm going to get a small transceiver w/ wide rx. and can
> easy to fit my pocket, What will you recommend? How about Q7A or VX-1R?
> ...WHICH ON IS BETTER? THANKS!!
>
> 73 DE VE3CHI

```
From -7357325817231778135
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,19e14b339001c050,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,19e14b339001c050,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,19e14b339001c050,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,19e14b339001c050,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f76e2,19e14b339001c050,start
X-Google-Attributes: gidf76e2,public
From: lmarti49@bellsouth.net (Leonard Martin)
Subject: 13.8 Power Supply for your rig
Date: 1999/08/02
Message-ID: <lmarti49-ya02358000208992006200001@news1.lig.bellsouth.net>#1/1
X-Deja-AN: 508169601
Content-transfer-encoding: 8bit
Content-Type: text/plain; charset=ISO-8859-1
X-Trace: news2.mia 933642424 216.76.206.62 (Mon, 02 Aug 1999 21:07:04 EDT)
Organization: Editorial Excellence
Mime-Version: 1.0
NNTP-Posting-Date: Mon, 02 Aug 1999 21:07:04 EDT
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment
```

13.8V, 8A continuous, 12A peak Nucleonic power supply. Has current meter, overvoltage protection, and foldback current limiting beyond 12A. Output voltage regulated to +- 200 mA for all design loads. Excellent condition cosmetically (It has an attractive brushed copper front panel) and operationally. I'm selling it because these days I spend more time on computers than hamming.

Price: $50 plus shipping (which will not be negligible, since it's well-made, that is to say, heavy. I have no means of measuring its weight accuratedly. I Will ship it parcel post if that's OK with you. If not pick method.

Includes brief manual.

Leonard W. Martin
WD5DNQ
lmarti49@bellsouth.net
--
Everything that rises must converge.
              --Flannery O'Connor

```
From 5774731230577109497
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d090d28b27d484
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,95d090d28b27d484
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,95d090d28b27d484
X-Google-Attributes: gidfa656,public
X-Google-Thread: f7653,95d090d28b27d484
X-Google-Attributes: gidf7653,public
From: "DIA" <astra@softhome.net>
Subject: Re: ICOM Q7A or Yaesu VX-1R
Date: 1999/08/04
Message-ID: <7o83tr$jfi$1@smail.nursat.net>#1/1
X-Deja-AN: 508602366
Content-Transfer-Encoding: 7bit
References: <w3ep3.348$Q3.4678151@bunson.tor.sfl.net>
<7o4b46$mkq$1@nnrp1.deja.com>
Content-Type: text/plain; charset="koi8-r"
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Organization: Nursat
Mime-Version: 1.0
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.digital.misc,rec.radio.amateur.misc
```

kg5un@juno.com wrote <7o4b46$mkq$1@nnrp1.deja.com> ...

> The Icom Q7A wins hands down. It has better audio, great
> sensitivity,
> and much better scan perfomance. Plus if you use the programming
> software you can listen down into the shortwave frequencies.

Absolutely right! I've tested both radios and sell VX-1R. Icom is the
best miniradio, keep in your mind about Li-Ion battery cost of VX-1R.
Program software is free from Vlaski Goran. Super RX 0.5MHz-2GHz -
WOW!
WBR,
DIA

```
From -2444924250172001508
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d090d28b27d484
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,95d090d28b27d484
X-Google-Attributes: gid107ada,public
X-Google-Thread: f7653,95d090d28b27d484
```

```
X-Google-Attributes: gidf7653,public
X-Google-Thread: fa656,95d090d28b27d484
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1109af,95d090d28b27d484
X-Google-Attributes: gid1109af,public
From: "Jeffrey M. Swiger" <N8NOE@Ameritech.Net>
Subject: Re: ICOM Q7A or Yaesu VX-1R
Date: 1999/08/04
Message-ID: <37A7E99B.C32A7773@Ameritech.Net>#1/1
X-Deja-AN: 508682904
Content-Transfer-Encoding: 7bit
References: <w3ep3.348$Q3.4678151@bunson.tor.sfl.net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: nntp0.detroit.mi.ameritech.net 933751537 199.179.188.160 (Wed, 04 Aug
1999 03:25:37 EDT)
Organization: *** N8NOE ***
MIME-Version: 1.0
NNTP-Posting-Date: Wed, 04 Aug 1999 03:25:37 EDT
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.
radio.swap

You'll NEVER go wrong with a "YAESU" product!!!  But I've had some bad luck
with Icom...  73 Good luck
Jeff-N8NOE

NewHam wrote:

> Hi! Everybody!! I'm going to get a small transceiver w/ wide rx. and can
> easy to fit my pocket, What will you recommend? How about Q7A or VX-1R?
> ...WHICH ON IS BETTER? THANKS!!
>
> 73 DE VE3CHI

--
" What A LONG Strange Trip It's Been! "
                 Jeffrey M. Swiger
                 *** N8NOE ***





From -6842006974602260525
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,13c38797aa83425,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,13c38797aa83425,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,13c38797aa83425,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,13c38797aa83425,start
```

X-Google-Attributes: gidf76e2,public
From: oscar <overa@slip.net>
Subject: WTB: batteries for handheld
Date: 1999/08/04
Message-ID: <37A88305.87F85C09@slip.net>#1/1
X-Deja-AN: 509000701
Content-Transfer-Encoding: 7bit
Organization: Posted via Supernews, http://www.supernews.com
Content-Type: text/plain; charset=us-ascii
MIME-Version: 1.0
Reply-To: overa@slip.net
Newsgroups: rec.radio.amateur.equipment,rec.radio.swap,rec.ham-radio.swap,rec.ham-radio
X-Complaints-To: newsabuse@supernews.com

Need batteries for:

Yaesu FT-73R--(FNB10 is dead)

ICOM W2A--(all dead)

any help greatly appreciated,

me :)
KD6CZK

From 6025826397269823319
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,13c38797aa83425
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,13c38797aa83425
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,13c38797aa83425
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,13c38797aa83425
X-Google-Attributes: gidf76e2,public
From: Clint Bradford <clint@clintbradford.com>
Subject: Re: WTB: batteries for handheld
Date: 1999/08/05
Message-ID: <7ob8iv$m0r$1@nnrp1.deja.com>#1/1
X-Deja-AN: 509057713
References: <37A88305.87F85C09@slip.net>
X-Http-Proxy: 1.0 x26.deja.com:80 (Squid/1.1.22) for client 209.178.122.30
Organization: Deja.com - Share what you know. Learn what you don't.
X-Article-Creation-Date: Thu Aug 05 05:48:18 1999 GMT
X-MyDeja-Info: XMYDJUIDclintbradford
Newsgroups: rec.radio.amateur.equipment,rec.radio.swap,rec.ham-radio.swap,rec.ham-radio
X-Http-User-Agent: Mozilla/4.61 [en]C-DIAL (Win95; I)

In article <37A88305.87F85C09@slip.net>,

  overa@slip.net wrote:
> Need batteries for:

Maha Communicatins makes excellent NiCd and NiMH replacements for many
models:

http://www.maha-comm.com/

 - Clint Bradford, ATTENTION to Details
   http://www.clintbradford.com

Sent via Deja.com http://www.deja.com/
Share what you know. Learn what you don't.

From -6306388852449507499
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db0912adf1680fd8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,db0912adf1680fd8,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,db0912adf1680fd8,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 169545,db0912adf1680fd8,start
X-Google-Attributes: gid169545,public
X-Google-Thread: fb049,db0912adf1680fd8,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10bf43,db0912adf1680fd8,start
X-Google-Attributes: gid10bf43,public
From: kb9tmpAT@qsl.net (WW - KB9TMP)
Subject: KB9OHY Repeater & Web Site
Date: 1999/08/07
Message-ID: <MPG.12164fc275a0431c989681@news.blueriver.net>#1/1
X-Deja-AN: 510038507
Organization: Orange County A.R.C.
Newsgroups:
rec.radio.amateur.policy,rec.radio.amateur.misc,rec.radio.amateur,rec.ham-radio,blueriver.ham-radio,alt.ham-radio.vhf-uhf

The Orange County (IN) Amateur Radio Club has just installed it's new
2 meter repeater. Please visit our new web site to learn more about
the O.C.A.R.C., climb our tower and see a great view, download a great
CW freeware program to brush up on your code, sign our guestbook and
say howdy! The URL for our site is http://www.qsl.net/kb9ohy/
73 de KB9OHY
--
To Reply Remove The Extra <AT> From The Spam Proof Address

    "73" from the cornfields of Orange County Indiana!
    <'}}}>< <'}}}><   WW - KB9TMP   <'}}}>< <'}}}><

```
              E-Mail me at: kb9tmp<AT>@qsl.net
        Home Page: http://www.qsl.net/kb9tmp/
       O.C.A.R.C.: http://www.qsl.net/kb9ohy/
Church URL: http://www.angelfire.com/in/orleanschristian/
Wonder Valley Camp URL: http://www.angelfire.com/in2/wvc
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|   __  \|  |_ )  |\___    /  |  |   /   \/   \|  |_)   |
|__|  \__|________|   /   /   |__|  /___/\/\___\    ___/
                     /___/                     |___|
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From -1575934085953495640
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d090d28b27d484
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,95d090d28b27d484
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,95d090d28b27d484
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,95d090d28b27d484
X-Google-Attributes: gidfa656,public
X-Google-Thread: f7653,95d090d28b27d484
X-Google-Attributes: gidf7653,public
From: "Timmins" <timmins@penn.com>
Subject: Re: ICOM Q7A or Yaesu VX-1R
Date: 1999/08/07
Message-ID: <8C4r3.2760$L83.6229@newsfeed.slurp.net>#1/1
X-Deja-AN: 510093919
References: <w3ep3.348$Q3.4678151@bunson.tor.sfl.net>
X-Priority: 3
X-Mimeole: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 934073860 208.22.25.129 (Sat, 07 Aug 1999 19:57:40 CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 07 Aug 1999 19:57:40 CDT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.swap

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news:w3ep3.348$Q3.4678151@bunson.tor.sfl.net...
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> ...WHICH ON IS BETTER? THANKS!!
>
> 73 DE VE3CHI
>
>

From 214843252774689640
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d090d28b27d484
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,95d090d28b27d484
X-Google-Attributes: gid1109af,public
X-Google-Thread: f7653,95d090d28b27d484
X-Google-Attributes: gidf7653,public
X-Google-Thread: 107ada,95d090d28b27d484
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,95d090d28b27d484
X-Google-Attributes: gidfa656,public
From: "Timmins" <timmins@penn.com>
Subject: Re: ICOM Q7A or Yaesu VX-1R
Date: 1999/08/07
Message-ID: <FC4r3.2763$L83.6255@newsfeed.slurp.net>#1/1
X-Deja-AN: 510093920
References: <w3ep3.348$Q3.4678151@bunson.tor.sfl.net>
X-Priority: 3
X-Mimeole: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 934073893 208.22.25.129 (Sat, 07 Aug 1999 19:58:13 CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 07 Aug 1999 19:58:13 CDT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.swap

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>

From 3826268469922364375
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d090d28b27d484
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,95d090d28b27d484
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,95d090d28b27d484
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,95d090d28b27d484
X-Google-Attributes: gidfa656,public
X-Google-Thread: f7653,95d090d28b27d484
X-Google-Attributes: gidf7653,public
From: "Timmins" <timmins@penn.com>
Subject: Re: ICOM Q7A or Yaesu VX-1R
Date: 1999/08/07
Message-ID: <vD4r3.2764$L83.5910@newsfeed.slurp.net>#1/1
X-Deja-AN: 510093921
References: <w3ep3.348$Q3.4678151@bunson.tor.sfl.net>
X-Priority: 3
X-Mimeole: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 934073947 208.22.25.129 (Sat, 07 Aug 1999 19:59:07
CDT)
X-MSMail-Priority: Normal

NNTP-Posting-Date: Sat, 07 Aug 1999 19:59:07 CDT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.swap

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>
> 73 DE VE3CHI
>
>

From -1323183215236642421
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1109af,95d090d28b27d484
X-Google-Attributes: gid1109af,public
X-Google-Thread: 10c9e3,95d090d28b27d484
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,95d090d28b27d484
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,95d090d28b27d484
X-Google-Attributes: gid107ada,public
X-Google-Thread: f7653,95d090d28b27d484
X-Google-Attributes: gidf7653,public
From: "Timmins" <timmins@penn.com>
Subject: Re: ICOM Q7A or Yaesu VX-1R
Date: 1999/08/07

Message-ID: <UD4r3.2765$L83.4943@newsfeed.slurp.net>#1/1
X-Deja-AN: 510093922
References: <w3ep3.348$Q3.4678151@bunson.tor.sfl.net>
X-Priority: 3
X-Mimeole: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 934073972 208.22.25.129 (Sat, 07 Aug 1999 19:59:32 CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sat, 07 Aug 1999 19:59:32 CDT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.swap

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From 8407202601120148445
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d090d28b27d484
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,95d090d28b27d484
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,95d090d28b27d484

X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,95d090d28b27d484
X-Google-Attributes: gidfa656,public
X-Google-Thread: f7653,95d090d28b27d484
X-Google-Attributes: gidf7653,public
From: "Timmins" <timmins@penn.com>
Subject: Re: ICOM Q7A or Yaesu VX-1R
Date: 1999/08/07
Message-ID: <kIfr3.4547$L83.6237@newsfeed.slurp.net>#1/1
X-Deja-AN: 510244521
References: <w3ep3.348$Q3.4678151@bunson.tor.sfl.net>
X-Priority: 3
X-Mimeole: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 934119312 208.22.25.165 (Sun, 08 Aug 1999 08:35:12 CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 08 Aug 1999 08:35:12 CDT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.swap

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From 3633384926581187776
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d090d28b27d484
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,95d090d28b27d484
X-Google-Attributes: gid107ada,public
X-Google-Thread: f7653,95d090d28b27d484
X-Google-Attributes: gidf7653,public
X-Google-Thread: fa656,95d090d28b27d484
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1109af,95d090d28b27d484
X-Google-Attributes: gid1109af,public
From: "Timmins" <timmins@penn.com>
Subject: Re: ICOM Q7A or Yaesu VX-1R
Date: 1999/08/07
Message-ID: <4Nfr3.4577$L83.6679@newsfeed.slurp.net>#1/1
X-Deja-AN: 510244522
References: <w3ep3.348$Q3.4678151@bunson.tor.sfl.net>
X-Priority: 3
X-Mimeole: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 934119616 208.22.25.165 (Sun, 08 Aug 1999 08:40:16 CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 08 Aug 1999 08:40:16 CDT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.swap

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>
>

From -3848137812346309409
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d090d28b27d484
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,95d090d28b27d484
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,95d090d28b27d484
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,95d090d28b27d484
X-Google-Attributes: gidfa656,public
From: "Timmins" <timmins@penn.com>
Subject: Re: ICOM Q7A or Yaesu VX-1R
Date: 1999/08/08
Message-ID: <SNfr3.4581$L83.8066@newsfeed.slurp.net>#1/1
X-Deja-AN: 510244523
References: <w3ep3.348$Q3.4678151@bunson.tor.sfl.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 934119666 208.22.25.165 (Sun, 08 Aug 1999 08:41:06 CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 08 Aug 1999 08:41:06 CDT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.swap

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From -3976584466302430359
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d090d28b27d484
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,95d090d28b27d484
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1109af,95d090d28b27d484
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,95d090d28b27d484
X-Google-Attributes: gidfa656,public
From: "Timmins" <timmins@penn.com>
Subject: Re: ICOM Q7A or Yaesu VX-1R
Date: 1999/08/08
Message-ID: <2Ofr3.4587$L83.4670@newsfeed.slurp.net>#1/1
X-Deja-AN: 510244524
References: <w3ep3.348$Q3.4678151@bunson.tor.sfl.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 934119678 208.22.25.165 (Sun, 08 Aug 1999 08:41:18 CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 08 Aug 1999 08:41:18 CDT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.swap

HAve had both, as well as Standard C-508a,resulting in a certain experience in such matters.... I like the C-508 very well.... nice RX, decent audio (for it's size), and AA battery convenience.... I like the Q7a for all of the above, Plus 30-50 MHz coverage RX (fire depts here are Low band still). I had a VX1-r approximately two weeks....performance was good, nice audio, Lithium Ion batteries work well,but with this size rig,I do like the convienence of picking up spare power at the corner drugstore if you run out in a bind.....the BIG fault with the VX-1 is the inability to scan frequencies at VHF and UHF at the same time, unless they are programmed by computer...this omission makes the VX1r totally unsuitable for my needs....as you can tell I use my mini ht as a scanner as much as a transciever-the Q7 is ideal for this due to the frequency coverage.... they do act like a wireless Mike in conjunction with a nearby crossband radio....and that works very well... but 300 Mw is only gonna go so far.....

73 and as always, your mileage may vary....
Bill, N3DDY

NewHam <iden1000@hotmail.com> wrote in message
news:w3ep3.348$Q3.4678151@bunson.tor.sfl.net...
> Hi! Everybody!! I'm going to get a small transceiver w/ wide rx. and can
> easy to fit my pocket, What will you recommend? How about Q7A or VX-1R?
> ...WHICH ON IS BETTER? THANKS!!
>
> 73 DE VE3CHI
>
>

From -5319304195030974308
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d090d28b27d484
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,95d090d28b27d484
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,95d090d28b27d484
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1109af,95d090d28b27d484
X-Google-Attributes: gid1109af,public
From: "Timmins" <timmins@penn.com>
Subject: Re: ICOM Q7A or Yaesu VX-1R
Date: 1999/08/08
Message-ID: <oOfr3.4588$L83.4617@newsfeed.slurp.net>#1/1
X-Deja-AN: 510244525
References: <w3ep3.348$Q3.4678151@bunson.tor.sfl.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 934119700 208.22.25.165 (Sun, 08 Aug 1999 08:41:40 CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 08 Aug 1999 08:41:40 CDT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.swap

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> 73 DE VE3CHI
>
>

From 5192575475073651300
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d090d28b27d484
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,95d090d28b27d484
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,95d090d28b27d484
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1109af,95d090d28b27d484
X-Google-Attributes: gid1109af,public
From: "Timmins" <timmins@penn.com>
Subject: Re: ICOM Q7A or Yaesu VX-1R
Date: 1999/08/08
Message-ID: <aTfr3.4597$L83.8620@newsfeed.slurp.net>#1/1
X-Deja-AN: 510246365
References: <w3ep3.348$Q3.4678151@bunson.tor.sfl.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 934120006 208.22.25.165 (Sun, 08 Aug 1999 08:46:46
CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 08 Aug 1999 08:46:46 CDT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.swap

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news:w3ep3.348$Q3.4678151@bunson.tor.sfl.net...
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>

From 8475612391647815943
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d090d28b27d484
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,95d090d28b27d484
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,95d090d28b27d484
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1109af,95d090d28b27d484
X-Google-Attributes: gid1109af,public
From: "Timmins" <timmins@penn.com>
Subject: Re: ICOM Q7A or Yaesu VX-1R
Date: 1999/08/08
Message-ID: <tUfr3.4612$L83.7905@newsfeed.slurp.net>#1/1
X-Deja-AN: 510246366
References: <w3ep3.348$Q3.4678151@bunson.tor.sfl.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 934120089 208.22.25.165 (Sun, 08 Aug 1999 08:48:09
CDT)

X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 08 Aug 1999 08:48:09 CDT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.swap

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news:w3ep3.348$Q3.4678151@bunson.tor.sfl.net...
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> easy to fit my pocket, What will you recommend? How about Q7A or VX-1R?
> ...WHICH ON IS BETTER? THANKS!!
>
> 73 DE VE3CHI
>
>

From 1185298880532552365
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d090d28b27d484
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,95d090d28b27d484
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,95d090d28b27d484
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,95d090d28b27d484
X-Google-Attributes: gid107ada,public
From: "Timmins" <timmins@penn.com>
Subject: Re: ICOM Q7A or Yaesu VX-1R
Date: 1999/08/08
Message-ID: <cZfr3.4628$L83.8484@newsfeed.slurp.net>#1/1

X-Deja-AN: 510248728
References: <w3ep3.348$Q3.4678151@bunson.tor.sfl.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 934120392 208.22.25.165 (Sun, 08 Aug 1999 08:53:12 CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 08 Aug 1999 08:53:12 CDT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.swap

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news:w3ep3.348$Q3.4678151@bunson.tor.sfl.net...
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> ...WHICH ON IS BETTER? THANKS!!
>
> 73 DE VE3CHI
>
>

From 5735695987168591310
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d090d28b27d484
X-Google-Attributes: gid10c9e3,public
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X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,95d090d28b27d484
X-Google-Attributes: gid107ada,public

X-Google-Thread: fa656,95d090d28b27d484
X-Google-Attributes: gidfa656,public
From: "Timmins" <timmins@penn.com>
Subject: Re: ICOM Q7A or Yaesu VX-1R
Date: 1999/08/08
Message-ID: <FHgr3.4749$L83.8711@newsfeed.slurp.net>#1/1
X-Deja-AN: 510260719
References: <w3ep3.348$Q3.4678151@bunson.tor.sfl.net>
<SNfr3.4581$L83.8066@newsfeed.slurp.net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: newsfeed.slurp.net 934123365 208.22.25.165 (Sun, 08 Aug 1999 09:42:45 CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 08 Aug 1999 09:42:45 CDT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.swap

Honestly-
this message was bounced back to me by my ISP.....showed an error 441-
server error....
I had no idea it was being posted every time......
ISP has been notified of this, as well as other recurrent errors.....

sorry

Bill, N3DDY

From -7981086959835426966
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a72743393f1e63d0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,a72743393f1e63d0,start
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X-Google-Thread: fb049,a72743393f1e63d0,start
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X-Google-Thread: 1009ad,a72743393f1e63d0,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 1031c8,a72743393f1e63d0,start
X-Google-Attributes: gid1031c8,public
From: "Dylan Littlefield" <dylan@newsguyla.com>
Subject: btx-123
Date: 1999/08/09
Message-ID: <7bJr3.6584$U4.182665@clnws01.we.mediaone.net>#1/1
X-Deja-AN: 510837057
X-Priority: 3
Content-Type: multipart/alternative; boundary="----=_NextPart_000_0180_01BEE281.5E46A820"

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X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: clnws01.we.mediaone.net 934240067 24.30.96.250 (Mon, 09 Aug 1999 16:07:47
PDT)
Organization: MediaOne-Road Runner, Western Region
X-MSMail-Priority: Normal
MIME-Version: 1.0
NNTP-Posting-Date: Mon, 09 Aug 1999 16:07:47 PDT
Newsgroups: alt.ham-radio.vhf-uhf,alt.radio.scanner,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.swap,rec.radio.scanner

This is a multi-part message in MIME format.

------=_NextPart_000_0180_01BEE281.5E46A820
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Heya,

I picked up a radio shack BTX-123 Business Band 2M radio... the manual =
says
the freq's are limited to 1511.225 to 156.250.  Its a Xtal controlled =
radio.

Would it be possible to add xtals for a 2M ham freq in this radio =
without
making any mods? or is there even a mod available??

Please e-mail the reply!  dylan@newsguyla.com
thanks




------=_NextPart_000_0180_01BEE281.5E46A820
Content-Type: text/html;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
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<META content=3D"text/html; charset=3Diso-8859-1" =
http-equiv=3DContent-Type>
<META content=3D"MSHTML 5.00.2614.3401" name=3DGENERATOR>
<STYLE></STYLE>
</HEAD>
<BODY bgColor=3D#ffffff>
<DIV><FONT size=3D2>Heya,<BR><BR>I picked up a radio shack BTX-123 =
Business Band=20
2M radio... the manual says<BR>the freq's are limited to 1511.225 to=20
156.250.&nbsp; Its a Xtal controlled radio.<BR><BR>Would it be possible =
to add=20
xtals for a 2M ham freq in this radio without<BR>making any mods? or is =
there=20
```

```
even a mod available??<BR><BR>Please e-mail the reply!&nbsp; <A=20
href=3D"mailto:dylan@newsguyla.com">dylan@newsguyla.com</A><BR>thanks<BR>=
<BR></FONT></DIV></BODY></HTML>

------=_NextPart_000_0180_01BEE281.5E46A820--
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From -5894828787787250571
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X-Google-Thread: 1109af,37c135769b6b7570,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,37c135769b6b7570,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,37c135769b6b7570,start
X-Google-Attributes: gidfa656,public
From: hr_rig <hr_rig@newsreel.com>
Subject: ICOM Dual Bander HT with EXTRA accessories!
Date: 1999/08/12
Message-ID: <37B306DC.54AB4177@newsreel.com>
X-Deja-AN: 511933230
X-Accept-Language: en
Content-Type: multipart/alternative; boundary="------------
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Organization: University of Delaware
Mime-Version: 1.0
Newsgroups: rec.radio.amateur,rec.ham-radio.swap,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.rad
io.swap


--------------FB18B7798592DA7370CDEC45
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit
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You CANNOT miss this deal if you are looking for a UHF/VHF HT!

I have for sale the following items-
An Icom W32A HT: The radio is in MINT/PERFECT condition! It has NO dents, scratches, or other damage and no signs of wear. I have all of the ORIGINAL documentation, including the manual which came with the radio. I have its ORIGINAL box and all the paperwork for it. I purchased it from Ham Radio Outlet in New Castle, Delaware about 1 year ago. I am the ONLY owner of this radio and it was used as a backup radio. The radio has had VERY LITTLE use and the battery has been

charged and discharged only twice. I have performed NO MODS at all on the rig.

That is not all, however!
I am looking to sell with the radio-

An MFJ Dual Band 144/440 MHz Antenna which works well with the radio (model MFJ-1724B). I have the original packaging for the mag-mount antenna and it is in very good condition.

A MAHA Speaker/Mic which also works well with the radio (model MH-800). I have the ORIGINAL packaging for the spkr/mic as well.

An ICOM Power Cable which supplies power to the unit from another power supply or from a car�s electrical system. A cigarette lighter attachment can be added for more portability. This power cable runs the rig AND charges its battery. It is double-fused and in good condition.

A Radio Shack Discone Antenna for outdoor use. The antenna has very wide receive and transmits on 2m and 70cm (440). Please note that I DO NOT have the cable for attachment between the radio and the discone antenna. That would have to be purchased/made separately.

If at all interested, please contact Mark at hr_rig@hotmail.com   I am an individual selling one unit with all of these accessories. I AM NOT a reseller. Please feel free to email any questions, concerns, or requests to that email address as well.

All serious bids will be considered!

Mark - hr_rig@hotmail.com (if telephone works better, please email me here and we can set up a time to talk!)

ps. Of course, the wall charger, rubber duck antenna, and all other accessories which came with the unit are included. I even have the belt clip and wrist strap STILL IN THEIR ORIGINAL, FACTORY SEALED POUCH!!!
Email me soon... hr_rig@hotmail.com

```
--------------FB18B7798592DA7370CDEC45
Content-Type: text/html; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

<!doctype html public "-//w3c//dtd html 4.0 transitional//en">
<html>
You <font color="#FF0000">CANNOT</font> miss this deal if you are looking
for a UHF/VHF HT!
<br>&nbsp;
<p>I have for sale the following items-
<br>An <b><i><u><font face="Arial,Helvetica"><font color="#FF0000">Icom
W32A HT</font></font></u></i></b>:&nbsp; The radio is in <font
color="#3333FF">MINT/PERFECT</font>
condition!&nbsp; It has NO dents, scratches, or other damage and no signs
of wear.&nbsp; I have all of the ORIGINAL documentation, including the
```

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manual which came with the radio.&nbsp; I have its ORIGINAL box and all
the paperwork for it.&nbsp; I purchased it from Ham Radio Outlet in New
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and it was used as a backup radio.&nbsp; The radio has had VERY LITTLE
use and the battery has been charged and discharged only twice.&nbsp; I
have performed NO MODS at all on the rig.
<p>That is not all, however!
<br>I am looking to sell with the radio-
<p>An <font color="#FF0000"><b><i><u><font face="Arial,Helvetica">MFJ Dual
Band 144/440 MHz Antenna</font></u></i></b> </font>which works well with
the radio (model MFJ-1724B).&nbsp; I have the original packaging for the
mag-mount antenna and it is in very good condition.
<p>A <b><i><u><font face="Arial,Helvetica"><font color="#FF0000">MAHA Speaker/
Mic</font></font></u></i></b>
which also works well with the radio (model MH-800).&nbsp; I have the ORIGINAL
packaging for the spkr/mic as well.
<p>An <b><i><u><font face="Arial,Helvetica"><font color="#FF0000">ICOM
Power Cable </font></font></u></i></b>which supplies power to the unit
from another power supply or from a car�s electrical system.&nbsp; A cigarette
lighter attachment can be added for more portability.&nbsp; This power
cable runs the rig AND charges its battery.&nbsp; It is double-fused and
in good condition.
<p>A <b><i><u><font face="Arial,Helvetica"><font color="#FF0000">Radio
Shack Discone Antenna</font></font></u></i></b> for outdoor use.&nbsp;
The antenna has very wide receive and transmits on 2m and 70cm (440).&nbsp;
Please note that I DO NOT have the cable for attachment between the radio
and the discone antenna.&nbsp; That would have to be purchased/made separately.
<p>If at all interested, please contact <font color="#FF0000">Mark at
hr_rig@hotmail.com</font>&nbsp;&nbsp;
I am an individual selling one unit with all of these accessories.&nbsp;
I AM NOT a reseller.&nbsp; Please feel free to email any questions, concerns,
or requests to that email address as well.
<p>All serious bids will be considered!
<p><font color="#000000">Mark - hr_rig@hotmail.com</font><font color="#000099">
</font>(if telephone works better, please email me here and we can set
up a time to talk!)
<p>ps. Of course, the wall charger, rubber duck antenna, and all other
accessories which came with the unit are included.&nbsp; I even have the
belt clip and wrist strap STILL IN THEIR ORIGINAL, FACTORY SEALED POUCH!!!&nbsp;
Email me soon...&nbsp; hr_rig@hotmail.com</html>

--------------FB18B7798592DA7370CDEC45--




From -5673231692744546356
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d090d28b27d484
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,95d090d28b27d484
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```
X-Google-Attributes: gid107ada,public
X-Google-Thread: f7653,95d090d28b27d484
X-Google-Attributes: gidf7653,public
X-Google-Thread: fa656,95d090d28b27d484
X-Google-Attributes: gidfa656,public
From: dana <dana@randomc.com>
Subject: Re: ICOM Q7A or Yaesu VX-1R
Date: 1999/08/13
Message-ID: <Pine.GSO.4.10.9908130212170.18157-100000@cluster2>#1/1
X-Deja-AN: 512157218
References: <w3ep3.348$Q3.4678151@bunson.tor.sfl.net>
<37A5F75F.8B9790B6@ix.netcom.com>
X-Sender: dana@cluster2
Content-Type: TEXT/PLAIN; charset=US-ASCII
X-Complaints-To: Abuse Role <abuse@comstar.net>, We Care <abuse@newsread.com>
X-Trace: monger.newsread.com 934525110 130.205.85.40 (Fri, 13 Aug 1999 02:18:30 EDT)
Organization: Comstar Communications (comstar.net)
MIME-Version: 1.0
NNTP-Posting-Date: Fri, 13 Aug 1999 02:18:30 EDT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.swap

why all theese cross posts? what is the point?

On Mon, 2 Aug 1999, Randy wrote:

> Date: Mon, 02 Aug 1999 12:54:07 -0700
> From: Randy <rcarles@ix.netcom.com>
> Newsgroups: rec.ham-radio, rec.radio.amateur,
>     rec.radio.amateur.digital.misc, rec.radio.amateur.misc,
>     rec.radio.swap
> Subject: Re: ICOM Q7A or Yaesu VX-1R
>
> The VX-1R has an alphanumeric display, and it is half the size.
> The better radio is the one you like. Buy one of each, then give the one
> you don't like to your wife/girlfriend.
>
> NewHam wrote:
>
> > Hi! Everybody!! I'm going to get a small transceiver w/ wide rx. and can
> > easy to fit my pocket, What will you recommend? How about Q7A or VX-1R?
> > ...WHICH ON IS BETTER? THANKS!!
> >
> > 73 DE VE3CHI
>
>
>
>
>
```

From 8604878769848340193
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,ca2659f38032670d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,ca2659f38032670d,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 109013,ca2659f38032670d,start
X-Google-Attributes: gid109013,public
X-Google-Thread: 107ada,ca2659f38032670d,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fb049,ca2659f38032670d,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,ca2659f38032670d,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,ca2659f38032670d,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f4306,ca2659f38032670d,start
X-Google-Attributes: gidf4306,public
From: hr_rig <hr_rig@newsreel.com>
Subject: FS: UHF/VHF Equipment
Date: 1999/08/13
Message-ID: <37B49D4E.E800E04C@newsreel.com>#1/1
X-Deja-AN: 512423422
Content-Transfer-Encoding: 8bit
Organization: University of Delaware
X-Accept-Language: en
Content-Type: text/plain; charset=iso-8859-1
Mime-Version: 1.0
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.nocode,alt.ham-radio.packet,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.swap

You CANNOT miss this deal if you are looking for a UHF/VHF HT!

I have for sale the following items-
An Icom W32A HT: The radio is in MINT/PERFECT condition! It has NO dents, scratches, or other damage and no signs of wear. I have all of the ORIGINAL documentation, including the manual which came with the radio. I have its ORIGINAL box and all the paperwork for it. I purchased it from Ham Radio Outlet in New Castle, Delaware about 1 year ago. I am the ONLY owner of this radio and it was used as a backup radio. The radio has had VERY LITTLE use and the battery has been charged and discharged only twice. I have performed NO MODS at all on the rig.

That is not all, however!
I am looking to sell with the radio-

An MFJ Dual Band 144/440 MHz Antenna which works well with the radio (model MFJ-1724B). I have the original packaging for the mag-mount antenna and it is in very good condition.

A MAHA Speaker/Mic which also works well with the radio (model MH-800). I have the ORIGINAL packaging for the spkr/mic as well.

An ICOM Power Cable which supplies power to the unit from another power supply or from a car�s electrical system. A cigarette lighter attachment can be added for more portability. This power cable runs the rig AND charges its battery. It is double-fused and in good condition.

A Radio Shack Discone Antenna for outdoor use. The antenna has very wide receive and transmits on 2m and 70cm (440). Please note that I DO NOT have the cable for attachment between the radio and the discone antenna. That would have to be purchased/made separately.

If at all interested, please contact Mark at hr_rig@hotmail.com I am an individual selling one unit with all of these accessories. I AM NOT a reseller. Please feel free to email any questions, concerns, or requests to that email address as well.

All serious bids will be considered!

Mark - hr_rig@hotmail.com (if telephone works better, please email me here and we can set up a time to talk!)

Of course, the battery wall charger and an original battery are included as well as all of the other parts in the original box!

```
From -8602241553O4343909
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9dc0143943b3cacb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,9dc0143943b3cacb,start
X-Google-Attributes: gid1109af,public
From: vu2vku <krkr@rocketmail.com>
Subject: WTB:YAESU FT-201 service manual
Date: 1999/08/14
Message-ID: <37B58E71.8109B24A@rocketmail.com>#1/1
X-Deja-AN: 512752982
Content-Transfer-Encoding: 7bit
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: usenet@kannews.ca.newbridge.com
X-Trace: kannews.ca.newbridge.com 934644893 1245 138.120.232.73 (14 Aug 1999
15:34:53 GMT)
Organization: Newbridge Networks Corporation
Mime-Version: 1.0
NNTP-Posting-Date: 14 Aug 1999 15:34:53 GMT
Newsgroups: rec.radio.swap,rec.ham-radio
```

I would like to buy a copy of the service manual. I would like to
help a old Ham friend (vu2fot) in India to fix his ailing rig.
please email me at krkr@antispam.rocketmail.com
Note:"Please remove antispam from the email address before mailing me".
thanks
73's de krish

From -7947378515243247761
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9dc0143943b3cacb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,65dfdb155c005c18,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,65dfdb155c005c18,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,65dfdb155c005c18,start
X-Google-Attributes: gid107ada,public
From: vu2vku/w4 <krkr@rocketmail.com>
Subject: WTB:YAESU FT-201 service manual
Date: 1999/08/14
Message-ID: <37B5A237.C53E5CA9@rocketmail.com>#1/1
X-Deja-AN: 512776986
Content-Transfer-Encoding: 7bit
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: usenet@kannews.ca.newbridge.com
X-Trace: kannews.ca.newbridge.com 934649956 3310 138.120.232.73 (14 Aug 1999 16:59:16 GMT)
Organization: Newbridge Networks Corporation
Mime-Version: 1.0
NNTP-Posting-Date: 14 Aug 1999 16:59:16 GMT
Newsgroups: rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio,rec.radio.amateur.misc

I would like to buy a copy of the service manual. I would like to
help a old Ham friend (vu2fot) in India to fix his ailing rig.
please email me at krkr@antispam.rocketmail.com
Note:"Please remove antispam from the email address before mailing me".
thanks
73's de krish

From 5683390643110011564
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a29605b883df52a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a29605b883df52a,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,a29605b883df52a,start

X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,a29605b883df52a,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f4306,a29605b883df52a,start
X-Google-Attributes: gidf4306,public
From: "John Anderson" <mi0aaz@bigfoot.com>
Subject: opinions of the Kenwood THD7E/A handheld ?
Date: 1999/08/15
Message-ID: <j8wt3.4533$wC.110862@stones>#1/1
X-Deja-AN: 512979118
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2014.211
X-Complaints-To: abuse@plus.net.uk
X-Trace: stones 934710927 195.166.130.96 (Sun, 15 Aug 1999 10:55:27 BST)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 15 Aug 1999 10:55:27 BST
Newsgroups: alt.ham-radio,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.radio.amateur.equipment

Hi to all @ these newsgroups world-wide.
I am thinking about purchasing a Kenwood THD7 dual band handheld and i want a few opinions from people who have them so i know if i`m making a good choice or not ? What i want to know is how well does it perform from a packet point of view and is the receiver prone to breakthrough from radio pagers on VHF ? Let me know any good points or bad points you know about it and this will decide if i will buy one or not depending on the result of this message. If you know any weblinks to sites which have done honest reviews of this rig let me know.

Please reply to me privately and not to the newsgroup.

73 from John MI0AAZ in Coleraine, Northern Ireland.

From 5951780567277891104
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f557d,a78e2d99e19bdad6,start
X-Google-Attributes: gidf557d,public
X-Google-Thread: 10c9e3,a78e2d99e19bdad6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1012c0,a78e2d99e19bdad6,start
X-Google-Attributes: gid1012c0,public
X-Google-Thread: 10ed5f,a78e2d99e19bdad6,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f55c2,a78e2d99e19bdad6,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: f76e2,a78e2d99e19bdad6,start
X-Google-Attributes: gidf76e2,public

X-Google-Thread: 114a57,a78e2d99e19bdad6,start
X-Google-Attributes: gid114a57,public
From: "Mike Sawyer" <kc4slk@csrlink.net>
Subject: WTB: Filament Transformer
Date: 1999/08/16
Message-ID: <2_1u3.2754$rZ2.64328@newscene.newscene.com>#1/1
X-Deja-AN: 513594996
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
X-Trace: newscene.newscene.com 934849534 209.173.88.119 (Mon, 16 Aug 1999 19:25:34 CDT)
Organization: Newscene Public Access Usenet News Service (http://www.newscene.com/)
NNTP-Posting-Date: Mon, 16 Aug 1999 19:25:34 CDT
Newsgroups: alt.ham-radio,alt.ham-radio.am,alt.ham-radio.hf,alt.ham-radio.mods,in.ham-radio,rec.ham-radio,rec.ham-radio.swap

I'm looking for a filament transformer for an RCA SBA-1K amplifier or reasonable substitute. It must be able to light a pair of 3-400Z's, 5VAC @ 30A.
Please Email if you can help me out.
Mike
W3SLK
Email: kc4slk@csrlink.net

From -3104414037738542639
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b721206467c9112c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b721206467c9112c,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 114671,b721206467c9112c,start
X-Google-Attributes: gid114671,public
X-Google-Thread: fa656,b721206467c9112c,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,b721206467c9112c,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,b721206467c9112c,start
X-Google-Attributes: gid1031c8,public
From: greggw@erinet.com (Gregg Wilcox)
Subject: Ham Equipment for Sale (Pictures Enclosed) (0/1)
Date: 1999/08/21
Message-ID: <37c9ea0c.3550657@news.erinet.com>#1/1
X-Deja-AN: 515557235
Content-Transfer-Encoding: 7bit
X-Trace: news.oh.voyager.net 935259712 207.90.112.134 (Sat, 21 Aug 1999 14:21:52 EDT)
Content-Type: text/plain; charset=us-ascii
MIME-Version: 1.0
NNTP-Posting-Date: Sat, 21 Aug 1999 14:21:52 EDT

Newsgroups: rec.ham-radio,rec.ham-radio.swap,aus.radio.amateur.misc,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap

I am getting out of the hobby, so no trade offers please.
I live in Dayton, OH for those close by.

For info from Kenwood's web site go to......
http://www.kenwood.net/products/index.cfm?AMA=open&ama_mob=open&radio=TM-742AD&selection=Amateur

My unit is the 742A model (not the 742AD). From what I've been told, the only difference
is the AD comes with a back lit mic.

The price is firm. It is priced at less than 50% of what I paid.
I will pay the UPS shipping to you (US only).

Contact.....   greggw@erinet.com

KENWOOD 742A Tri-Band   MINT CONDITION   (Used as base station)
2m and 440 with 6m, 10m, 220 modules (space for the 1.2 ghz module)
CTCSS Board   Module Expansion Box   MC-85 Powered Desk Mic
MJ-88 Mic Adaptor MJ-89 Mic Switch   DTMF Mic
VCI Vectronics PM-30UV SWR Meter   For 144 / 220 / 440   (Back Lit)
Comet CF-4160 Duplexer   Ext. Speaker   Boxes   Manuals

$ 1100.00

From 4711385144872158690
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b721206467c9112c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b721206467c9112c
X-Google-Attributes: gid108122,public
X-Google-Thread: 114671,b721206467c9112c
X-Google-Attributes: gid114671,public
X-Google-Thread: f76e2,b721206467c9112c
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,b721206467c9112c
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,b721206467c9112c
X-Google-Attributes: gid1031c8,public

From: barryo@fastlink.com.au (Barry O'Grady)
Subject: Re: Ham Equipment for Sale (Pictures Enclosed) (0/1)
Date: 1999/08/24
Message-ID: <37c26c77.3015883@genenews.acay.com.au>#1/1
X-Deja-AN: 516518293
References: <37c9ea0c.3550657@news.erinet.com>
Organization: Organisation
Reply-To: barryo@fastlink.com.au
Newsgroups: rec.ham-radio,rec.ham-radio.swap,aus.radio.amateur.misc,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap

Are you in Australia?

greggw@erinet.com (Gregg Wilcox) wrote:

:
:I am getting out of the hobby, so no trade offers please.
:I live in Dayton, OH for those close by.
:
:For info from Kenwood's web site go to......
:http://www.kenwood.net/products/index.cfm?AMA=open&ama_mob=open&radio=TM-742AD&selection=Amateur
:
:My unit is the 742A model (not the 742AD). From what I've been told, the only difference
:is the AD comes with a back lit mic.
:
:The price is firm. It is priced at less than 50% of what I paid.
:I will pay the UPS shipping to you (US only).
:
:Contact.....   greggw@erinet.com
:
:
:--
:
:KENWOOD 742A Tri-Band   MINT CONDITION   (Used as base station)
:2m and 440 with 6m, 10m, 220 modules (space for the 1.2 ghz module)
:CTCSS Board Module Expansion Box   MC-85 Powered Desk Mic
:MJ-88 Mic Adaptor MJ-89 Mic Switch   DTMF Mic
:VCI Vectronics PM-30UV SWR Meter   For 144 / 220 / 440   (Back Lit)
:Comet CF-4160 Duplexer   Ext. Speaker   Boxes   Manuals
:
:$ 1100.00
:
:--

Barry

==========
Please send me an email copy if you reply to this post.
Web page: http://www.acay.com.au/~barryo

From 1230433479976410449
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d1798261cdd1b2d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,4d1798261cdd1b2d,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,4d1798261cdd1b2d,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: fc2a5,4d1798261cdd1b2d,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,4d1798261cdd1b2d,start
X-Google-Attributes: gidfa656,public
From: will Herzog <herzog@frontiernet.net>
Subject: Re: TS 440S Info Search.
Date: 1999/08/24
Message-ID: <37C3557D.3D6C@frontiernet.net>#1/1
X-Deja-AN: 516806882
Content-Transfer-Encoding: 7bit
References: <Pine.LNX.4.02A.9908250050380.9078-100000@ascu.unian.it>
To: Adelmo De Santis <dcl@ascu.unian.it>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@frontiernet.net
X-Trace: node17.cwnet.frontiernet.net 935541322 33522 209.130.219.118 (25 Aug 1999
00:35:22 GMT)
Organization: Frontier GlobalCenter Inc.
Mime-Version: 1.0
Reply-To: herzog@frontiernet.net
NNTP-Posting-Date: 25 Aug 1999 00:35:22 GMT
Newsgroups:
rec.radio.amateur.equipment,rec.radio.amateur.dx,rec.radio.amateur.homebrew,rec.ra
dio.amateur,rec.ham-radio

Adelmo De Santis wrote:
>
> Hi All,
> thank you for reading this NON COMMERCIAL message.
>
> I'm looking for info about TS 440 S like follows:
>
> -mods and improvements you have personally experienced or heard about;

http://www.qth.com/   and it's links.
arrl.org   index of old articles.

Dig enough in these and you'll find mods, I did, but haven't done any.
The one for LF coverage was tempting, but too much noise here.

>
> -troubleshooting or problems you managed to solve on your own.

I blew the ts430s driver transistors, and replaced them.
I'd overdriven them while tuning.
>
> All this info will help me to create a web page about ts-440s .
> Please help me to make this site as complete as possible.

Soon the memory battery will cease, and I don't know how to replace
it!!!
 ONly one ts440? not TS430s too, boo ho.
> The site will be free access and the information will NOT be used for
> commercial porpouses but only for electronic experimentation.
>
I'd like to know when it is done/up.

> Please, if you have some info, just send me an e-mail to :
> dcl@ascu.unian.it.
> Just send me a short summary of what you experinced. I'll chech this info
> and, if what you sent is something new, I'll beg you to send me the
> complete description of your experince. This procedure avoids to have a
> lot of articles dealing with the same matter.
>
> Thank you and 73.
>
>   ***DE SANTIS ADELMO****** FM:ascu
>   Ancona www.gulliver.unian.it/irgp 44.134.240.82

--
Will; Amateur Radio call K 2 L B ; Rochester, New York, USA
  e-mail <herzog@frontiernet.net>

From 3993588231200838325
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d1798261cdd1b2d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11480d,4d1798261cdd1b2d
X-Google-Attributes: gid11480d,public
X-Google-Thread: 108122,4d1798261cdd1b2d
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,4d1798261cdd1b2d
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,4d1798261cdd1b2d
X-Google-Attributes: gidfc2a5,public
From: Adelmo De Santis <dcl@ascu.unian.it>
Subject: TS 440S Info Search.
Date: 1999/08/25
Message-ID: <Pine.LNX.4.02A.9908250050380.9078-100000@ascu.unian.it>#1/1
X-Deja-AN: 516785897

Organization: University of Ancona - Ancona, Italy
Content-Type: TEXT/PLAIN; charset=US-ASCII
Mime-Version: 1.0
Newsgroups:
rec.radio.amateur.equipment,rec.radio.amateur.dx,rec.radio.amateur.homebrew,rec.radio.amateur,rec.ham-radio

Hi All,
thank you for reading this NON COMMERCIAL message.

I'm looking for info about TS 440 S like follows:

-mods and improvements you have personally experienced or heard about;

-troubleshooting or problems you managed to solve on your own.

All this info will help me to create a web page about ts-440s .
Please help me to make this site as complete as possible.

The site will be free access and the information will NOT be used for commercial porpouses but only for electronic experimentation.

Please, if you have some info, just send me an e-mail to :
dcl@ascu.unian.it.
Just send me a short summary of what you experinced. I'll chech this info and, if what you sent is something new, I'll beg you to send me the complete description of your experince. This procedure avoids to have a lot of articles dealing with the same matter.

Thank you and 73.

DE SANTIS ADELMO*** FM:ascu
Ancona www.gulliver.unian.it/irgp 44.134.240.82

From 2939506150614455408
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d1798261cdd1b2d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,4d1798261cdd1b2d
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,4d1798261cdd1b2d
X-Google-Attributes: gid11480d,public
X-Google-Thread: fc2a5,4d1798261cdd1b2d
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,4d1798261cdd1b2d
X-Google-Attributes: gidfa656,public
From: "Jack Taylor" <n7oo@theriver.com>
Subject: Re: TS 440S Info Search.
Date: 1999/08/25

Message-ID: <sHVw3.20947$gO1.771556@news2.giganews.com>#1/1
X-Deja-AN: 517096540
References: <Pine.LNX.4.02A.9908250050380.9078-100000@ascu.unian.it>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
X-Complaints-To: abuse@GigaNews.Com
X-Trace: sv1-CpzcjC6lJhse3bOpMI/Mk7YE/
3ePyuIZoOdS+shmoK50Ybv0Bxk0WyEDCWWPnDC+ZBuMcSFXDHK3tqe!fDpi81iuvpShcg==
Organization: Giganews.Com - Premium News Outsourcing
NNTP-Posting-Date: Wed, 25 Aug 1999 12:26:48 CDT
Newsgroups:
rec.radio.amateur.equipment,rec.radio.amateur.dx,rec.radio.amateur.homebrew,rec.radio.amateur,rec.ham-radio

I just replaced the lithium battery in my TS-440. This is a CR-2032 3 Volt coin cell and is available in horizontal PC mount configuration from Mouser electronics for $1.43. Actually what I did was to use the slightly larger CR-2450 (available from Wal Mart) and soldered in the matching button cell battery holder. This was a good match to the battery leads extending up out of the CONTROL ckt board. There is a metal shield covering the CONTROL board which allowed sufficient clearance for the CR-2450 and socket. But to be safe, I applied a couple strips of black tape to the shield to guard against accidental shorts to the battery.

The most time consuming portion of the project was simply to find the location of the battery. The service manual didn't address battery replacement. The instruction manual suggests having the battery replaced at a service center. However it did have an unidentified sketch of the battery on page 29 where it discusses installation of the IC-10 interface kit. The procedure to access the battery is given on the same page under 6-3-1. Installation, which explains how to open up the front panel. Replacement is fairly straight forward and afterwards, reset the CPU by pressing A=B along with the POWER ON switch. The rig should then power up on 14.000 MHz.

As a TS-440 owner, I'd be supportive of a site that documents problems and solutions. I do have the service manual but it's written on the assumption one has already attended a course in theory and repair :-(

73 de Jack

Adelmo De Santis wrote in message ...
>Hi All,
>thank you for reading this NON COMMERCIAL message.
>
>I'm looking for info about TS 440 S like follows:
>
>-mods and improvements you have personally experienced or heard about;
>
>-troubleshooting or problems you managed to solve on your own.
>
>All this info will help me to create a web page about ts-440s .
>Please help me to make this site as complete as possible.

>
>The site will be free access and the information will NOT be used for
>commercial porpouses but only for electronic experimentation.
>
>Please, if you have some info, just send me an e-mail to :
>dcl@ascu.unian.it.
>Just send me a short summary of what you experinced. I'll chech this info
>and, if what you sent is something new, I'll beg you to send me the
>complete description of your experince. This procedure avoids to have a
>lot of articles dealing with the same matter.
>
>
>Thank you and 73.
>
>   ***DE SANTIS ADELMO****** FM:ascu
> Ancona www.gulliver.unian.it/irgp 44.134.240.82
>

```
From 1931982122172654856
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,a6c4920713dd52eb,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,a6c4920713dd52eb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,a6c4920713dd52eb,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: f76e2,a6c4920713dd52eb,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114a57,a6c4920713dd52eb,start
X-Google-Attributes: gid114a57,public
From: "North Georgia Web Designs KC4OXP" <kc4oxp@flash.net>
Subject: NEEDED MANUAL FOR IC-737
Date: 1999/08/26
Message-ID: <cK8x3.18$ti5.166@news.flash.net>#1/1
X-Deja-AN: 517392503
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: abuse@flash.net
X-Trace: news.flash.net 935663624 209.30.102.238 (Thu, 26 Aug 1999 05:33:44 CDT)
Organization: FlashNet Communications, http://www.flash.net
X-MSMail-Priority: Normal
NNTP-Posting-Date: Thu, 26 Aug 1999 05:33:44 CDT
Newsgroups: alabama.birmingham.radio.amateur,alt.ham-radio.hf,alt.ham-
radio.marketplace,rec.ham-radio,rec.ham-radio.swap
```

If someone has a extra manual for the Icom IC-737 that they arent using, or
if someone would copy one for me I of course would pay for the charges. Is
there some company that sells out of print manuals? Please email if you can
assist.

73 Daniel KC4OXP
kc4oxp@flash.net

p.s. the most urgent question at the moment, is how to reset the radio!

From -8111495801160889121
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85ea20f632b9b95d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,85ea20f632b9b95d,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fb049,85ea20f632b9b95d,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f7e88,85ea20f632b9b95d,start
X-Google-Attributes: gidf7e88,public
From: "SOCIETY CLIPPER" <COP2002@prodigy.net>
Subject: FS: SABER SVA (AKA CONVERTACOM)
Date: 1999/08/31
Message-ID: <7qgvpb$3jvs$1@newssvr03-int.news.prodigy.com>#1/1
X-Deja-AN: 519389316
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2014.211
X-Complaints-To: abuse@prodigy.com
X-Trace: newssvr03-int.news.prodigy.com 936116843 3240648 209.252.234.156 (31 Aug 1999 16:27:23 GMT)
Organization: Prodigy Internet http://www.prodigy.com
X-MSMail-Priority: Normal
NNTP-Posting-Date: 31 Aug 1999 16:27:23 GMT
Newsgroups: alt.emergency.services.dispatcher,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.radio.swap

HELLO GROUP I HAVE A MOTOROLA SVA (AKA CONVERTACOM) FOR THE SABER SERIES RADIO THIS IS THE ADVANCED MODULE WITH THE BACKLIT CONTROL PANEL ON THE FRONT VOLUME, SQUELCH, SIGNALING.... IT ALSO HAS THE SECURITY FEATURE FOR LOCKING YOUR RADIO IN WITH A KEY WHICH WILL BE SUPPLIED..... I AM ASKING 200.00 I PAY SHIPPING.. I ALSO HAVE THE MICROPHONE WITH BACKLIT KEYPAD AND I ALSO HAVE A 12 WATT SPEAKER THESE ITEMS CAN BE INCLUDED WITH THE SVA FOR AN ADDITIONAL PRICE........

I am also interested in trades

QUA

COP2002@PRODIGY.NET

From 5371229020726377892
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,a54f7b798a9fb6ec,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,a54f7b798a9fb6ec,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,a54f7b798a9fb6ec,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 114a57,a54f7b798a9fb6ec,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: f76e2,a54f7b798a9fb6ec,start
X-Google-Attributes: gidf76e2,public
From: "North Georgia Web Designs KC4OXP" <kc4oxp@flash.net>
Subject: WTB: IC-701 HF Moblie
Date: 1999/09/06
Message-ID: <ZvQA3.127$UW1.643@news.flash.net>#1/1
X-Deja-AN: 521689644
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: abuse@flash.net
X-Trace: news.flash.net 936629369 209.30.102.173 (Mon, 06 Sep 1999 09:49:29 CDT)
Organization: FlashNet Communications, http://www.flash.net
X-MSMail-Priority: Normal
NNTP-Posting-Date: Mon, 06 Sep 1999 09:49:29 CDT
Newsgroups: alabama.birmingham.radio.amateur,alt.ham-radio.hf,alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap

Email with your price wanted, must be in excellent working condition with mounting bracket preferred. COD Fedex Shippment is also perferred.

73 Daniel KC4OXP
kc4oxp@flash.net

From -4427602515339131051
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,4210fce202744189,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,4210fce202744189,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,4210fce202744189,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: f76e2,4210fce202744189,start
X-Google-Attributes: gidf76e2,public
From: "North Georgia Web Designs KC4OXP" <kc4oxp@flash.net>

Subject: Wanted Icom Antenna Tuner
Date: 1999/09/07
Message-ID: <m5%A3.567$UW1.1843@news.flash.net>#1/1
X-Deja-AN: 521933541
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2615.200
X-Complaints-To: abuse@flash.net
X-Trace: news.flash.net 936672722 209.30.101.224 (Mon, 06 Sep 1999 21:52:02 CDT)
Organization: FlashNet Communications, http://www.flash.net
X-MSMail-Priority: Normal
NNTP-Posting-Date: Mon, 06 Sep 1999 21:52:02 CDT
Newsgroups: alt.ham-radio.hf,alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap

Looking for a reasonable priced automatic antenna tuner (3rd party is fine)
for my Icom 706MK1. Please email condition/price shipped.

73 Daniel KC4OXP
kc4oxp@flash.net

From -8703119350372742856
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fe10537f00ebc,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,2fe10537f00ebc,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 109013,2fe10537f00ebc,start
X-Google-Attributes: gid109013,public
X-Google-Thread: 10a3bb,2fe10537f00ebc,start
X-Google-Attributes: gid10a3bb,public
X-Google-Thread: fcc6e,2fe10537f00ebc,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f7796,2fe10537f00ebc,start
X-Google-Attributes: gidf7796,public
From: "Boliver Allmon" <bolivera@ev1.net>
Subject: form 610
Date: 1999/09/07
Message-ID: <yQjB3.35713$R84.598919@typ12.nn.bcandid.com>#1/1
X-Deja-AN: 522366237
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Trace: typ12.nn.bcandid.com 936757662 216.88.245.154 (Tue, 07 Sep 1999 22:27:42 EDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Tue, 07 Sep 1999 22:27:42 EDT
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.antenna,su.org.ham-radio

I am needing to file an address change with the FCC. The form on the FCC

website, the last time I looked, is in PDF format. Does anyone know of an
editable format, such as a spreadsheet? It seems I once saw one on
Compuserve, but I no longer have that access.

Any help would be helpful.

Boliver
KC5PCS

From 7434684273386798923
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fe10537f00ebc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,2fe10537f00ebc
X-Google-Attributes: gid109013,public
X-Google-Thread: 10a3bb,2fe10537f00ebc
X-Google-Attributes: gid10a3bb,public
X-Google-Thread: fcc6e,2fe10537f00ebc
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f76e2,2fe10537f00ebc
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f7796,2fe10537f00ebc
X-Google-Attributes: gidf7796,public
From: Sir <sir@sirs.com>
Subject: Re: form 610
Date: 1999/09/07
Message-ID: <37D5CE58.3725@sirs.com>#1/1
X-Deja-AN: 522383065
Content-Transfer-Encoding: 7bit
References: <yQjB3.35713$R84.598919@typ12.nn.bcandid.com>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@verio.net
X-Trace: ord-read.news.verio.net 936758523 157.238.65.95 (Wed, 08 Sep 1999 02:42:03 GMT)
Organization: sirs inc
MIME-Version: 1.0
NNTP-Posting-Date: Wed, 08 Sep 1999 02:42:03 GMT
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.antenna,su.org.ham-radio

Boliver Allmon wrote:
>
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>

> Any help would be helpful.
>
> Boliver
> KC5PCS

Due to the new law, you will have to FIRST register with the FCC surrendering your Social Security number or they will not accept anything from you! No address change, no license upgrade, no forms, nothing, until you first register with the new Universal licensing system.

Besides, if you don't use the PDF file and try to do something with a spreadsheet, it won't look like the form is supposed to, and the government will stick their heads up their asses and refuse to accept any forms that aren't exactly the way they like them.

From 1103809135760066622
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fe10537f00ebc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,2fe10537f00ebc
X-Google-Attributes: gid109013,public
X-Google-Thread: fcc6e,2fe10537f00ebc
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 10a3bb,2fe10537f00ebc
X-Google-Attributes: gid10a3bb,public
X-Google-Thread: f76e2,2fe10537f00ebc
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f7796,2fe10537f00ebc
X-Google-Attributes: gidf7796,public
From: "Dennis C. O'Connor" <k8do@midmich.net>
Subject: Re: form 610
Date: 1999/09/08
Message-ID: <37D67732.1889F08D@midmich.net>#1/1
X-Deja-AN: 522546796
Content-Transfer-Encoding: 7bit
References: <yQjB3.35713$R84.598919@typ12.nn.bcandid.com> <37D5CE58.3725@sirs.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: Abuse Role <abuse@journey.net>, We Care <abuse@newsread.com>
X-Trace: monger.newsread.com 936801703 207.241.130.63 (Wed, 08 Sep 1999 10:41:43 EDT)
Organization: Journey Communications (journey.net)
MIME-Version: 1.0
NNTP-Posting-Date: Wed, 08 Sep 1999 10:41:43 EDT
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.antenna,su.org.ham-radio

This is the universal registration of the citizenry that so many sci fi stories have predicted.... Starting with those who 'have' to do business with the government and ending with everyone... Good or bad? I dunno, but you can see that the career politicians and bureaucrats have had their way via the back door... Retinal scans are likely to be required along with the registration in the very near future...

Denny

Sir wrote:

> Boliver Allmon wrote:
> >
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> > website, the last time I looked, is in PDF format. Does anyone know of an
> > editable format, such as a spreadsheet? It seems I once saw one on
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> >
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> >
> > Boliver
> > KC5PCS
>
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>
> Besides, if you don't use the PDF file and try to do something with a
> spreadsheet, it won't look like the form is supposed to, and the
> government will stick their heads up their asses and refuse to accept
> any forms that aren't exactly the way they like them.

From 3323179881639559773
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fe10537f00ebc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109013,2fe10537f00ebc
X-Google-Attributes: gid109013,public
X-Google-Thread: 10a3bb,2fe10537f00ebc
X-Google-Attributes: gid10a3bb,public
X-Google-Thread: fcc6e,2fe10537f00ebc
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f76e2,2fe10537f00ebc
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f7796,2fe10537f00ebc
X-Google-Attributes: gidf7796,public
From: Bill Rhodes <wdrhodes@localnet.com>
Subject: Re: form 610
Date: 1999/09/08
Message-ID: <37D6A9FA.6FD035EB@localnet.com>#1/1
X-Deja-AN: 522623429

Content-Transfer-Encoding: 7bit
References: <yQjB3.35713$R84.598919@typ12.nn.bcandid.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: typ12.nn.bcandid.com 936815100 207.251.197.19 (Wed, 08 Sep 1999 14:25:00 EDT)
MIME-Version: 1.0
NNTP-Posting-Date: Wed, 08 Sep 1999 14:25:00 EDT
Newsgroups: alt.ham-radio.morse,alt.ham-radio.nocode,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.antenna,su.org.ham-radio

Boliver Allmon wrote:

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> editable format, such as a spreadsheet? It seems I once saw one on
> Compuserve, but I no longer have that access.
>
> Any help would be helpful.
>
> Boliver
> KC5PCS

The following message may provide helpful information for you, good luck:

From: ARRL Members Only Web site <memberlist@p1k.arrl.org>
Cc: <recipient list not shown: ;>
Sent: Friday, August 13, 1999 2:03 PM
Subject: ARLB051 ULS opens for amateur business August 16

> SB QST @ ARL $ARLB051
> ARLB051 ULS opens for amateur business August 16
>
> ZCZC AG51
> QST de W1AW
> ARRL Bulletin 51 ARLB051
> From ARRL Headquarters
> Newington CT August 13, 1999
> To all radio amateurs
>
> SB QST ARL ARLB051
> ARLB051 ULS opens for amateur business August 16
>
> The FCC's Universal Licensing System opens its doors to Amateur
> Radio Monday, August 16. The FCC reported August 13 that the ULS
> would be out of service until then to prepare for implementation.
> Amateurs should wait until the ULS is back on-line August 16 to
> register.
>
> The ULS ushers in an era of electronic, interactive filing and
> handling of Amateur Radio applications and marks a major change in
> the way Amateur Radio applicants will deal with the FCC. It also

> means the demise of the familiar paper FCC Form 610 series in favor of the ''universal'' Form 605--primarily designed for electronic use but also available on paper. Amateurs filing applications with the FCC under the ULS will use Form 605 for all purposes except--at least for now--club station applications.
>
> The FCC began a weeklong ULS phase-in period for the Amateur Service August 8 and has been converting existing Amateur Radio licensing data into the ULS database. Electronic Amateur Radio renewal using FCC Form 900 was scheduled to end August 9. Electronic vanity call sign application using Form 610V was to terminate August 13 at 5:30 PM Eastern Time. Hams should not try to file renewal or vanity applications until the ULS comes up August 16.
>
> Before using the ULS to file an application, renew or modify a license, or apply for a vanity call sign, all amateurs must register. When registering, individuals eligible to hold a Social Security Number must provide this number--which the FCC refers to as a Taxpayer Information Number or TIN. This requirement is a mandate of Congress, not of the FCC. All hams must be registered in the ULS to do business with the FCC.
>
> Applicants use TIN Registration Form 606 for both electronic or manual registration. To register electronically, visit http://www.fcc.gov/wtb/uls/ and click on ''TIN/Call Sign Registration.'' A paper Form 606 is available at http://www.fcc.gov/formpage.html or by calling 800-418-FORM (3676).
>
> Applicants first register their Social Security Number (or TIN), then enter a call sign. Applicants also must specify a password and a personal identifier.
>
> Registrants receive a nine-character Licensee Identification Number. Amateurs may use this number in place of a Social Security Number in future dealings with the FCC.
>
> For now, applications for club, military recreation, and RACES licenses should be filed on the ''old'' FCC Form 610B. Trustees and custodians of these licenses should not use their personal Social Security Number as the TIN for these applications but should contact ULS Technical Support (202-414-1250) to obtain a FCC-generated identification number for Form 610B.
>
> Applications for new licenses or upgrades will continue to be filed through a Volunteer Examiner Coordinator. VECs will use a special NCVEC Form 605--a variation of Form 605--to file with the FCC for test sessions.
>
> Starting August 16, hams already registered in the ULS may file applications using the new FCC Form 605 electronically at any time of day, seven days a week. FCC Form 605 will be used for license renewals, modifications, cancellations, application withdrawals and amendments, as well as requests for a vanity call sign, duplicate

> license, change of address or other clerical license modification.
> Visit the WTB ULS page, http://www.fcc.gov/wtb/uls and click
> ''Connecting to ULS'' for information on accessing the ULS system.
> Accessing the ULS database requires a telephone modem. A toll-free
> number, 800-844-2784, connects users to the FCC's Wide Area Network.
>
> Among other things, the ULS features a renewal reminder sent 90 days
> prior to a license's expiration date. The ULS also simplifies the
> process of submitting fees to the FCC. The FCC said it also
> anticipates that the ULS will be capable of accepting credit card
> payments on-line ''in the near future.''
>
> For more information, visit the FCC's ULS page,
> http://www.fcc.gov/wtb/uls.
> NNNN
> /EX
>

From 261772740968017531
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29c5411d39bd3705,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11ed49,29c5411d39bd3705,start
X-Google-Attributes: gid11ed49,public
X-Google-Thread: 10a3bb,29c5411d39bd3705,start
X-Google-Attributes: gid10a3bb,public
X-Google-Thread: 110fb1,29c5411d39bd3705,start
X-Google-Attributes: gid110fb1,public
X-Google-Thread: 114cd0,29c5411d39bd3705,start
X-Google-Attributes: gid114cd0,public
From: "Stephen Abson" <sabson@*NOSPAM*detac.com>
Subject: FA: Western Electric 914B Data Test Set
Date: 1999/09/09
Message-ID: <37d7eaa6@skylite.connect.ab.ca>#1/1
X-Deja-AN: 523059052
X-Trace: 9 Sep 1999 11:13:10 -0600, rdts1-140.connect.ab.ca
Organization: DETAC Corporation
X-MSMail-Priority: Normal
X-Priority: 3
Newsgroups: psu.org.ham-radio,rec.ham-radio,rpi.union.ham-radio,slac.rec.ham_radio,su.org.ham-radio
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300

For auction, one Western Electric 914B Data Test Set. For more information,
plus pictures, see:

Western Electric Data Test Set:
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=160892744

--
Stephen Abson, MCP
sabson@*NOSPAM*detac.com
NOTE: Remove "*NOSPAM*" to send e-mail.

The opinions expressed here do not necessarily reflect those
of my employer. My employer shall not be held responsible for
any comments made in these newsgroups.

From -2096324821886414426
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6372c4bdaf419b39,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105207,6372c4bdaf419b39,start
X-Google-Attributes: gid105207,public
From: NO SPAM <NOSPAM@mail.rsccd.org>
Subject: Re: Simple projects ??
Date: 1999/05/26
Message-ID: <374C08E5.2F8BA2D9@mail.rsccd.org>#1/1
X-Deja-AN: 482331639
Content-Transfer-Encoding: 7bit
References: <01bea699$c5f7c8b0$8534d693@e0060b0eb282a>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
Organization: Rancho Santiago Community College District
Mime-Version: 1.0
Newsgroups: alt.radio.pirate,rec.ham-radio

Crossposted to too many newsgroups, so I removed them.
Homebrew in the literal sense!

Did you ever answer my question about the Dark Portal thief who put
your schematics on his web site? If so, I didn't see it.

Harry Lythall SM0VPO wrote:

> Yes, they are all simple on my homepage.

> http://sm0vpo.8m.com/
> http://www.geocities.com/SiliconValley/3569/
> http://hem2.passagen.se/sm0vpo
> http://members.xoom.com/sm0vpo

> Booze, antennas, transmitters, receivers, data, information, kits, even PCB
> foil patterns to download - Everything for the homebrewer - you name it.

[snip]

> best regards from Harry - SM0VPO

From -5225621447921593548
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e08eb88c438c3d1b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,e08eb88c438c3d1b,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114671,e08eb88c438c3d1b,start
X-Google-Attributes: gid114671,public
From: "Eamon Skelton" <dont@want.spam>
Subject: EI9GQ Homebrew Radio Page
Date: 1999/05/26
Message-ID: <7ihg0h$he8$2@scotty.tinet.ie>#1/1
X-Deja-AN: 482417084
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Complaints-To: newsmaster@tinet.ie
X-Trace: scotty.tinet.ie 927744849 17864 159.134.229.242 (26 May 1999 18:54:09 GMT)
Organization: Telecom Internet (http://www.tinet.ie/)
NNTP-Posting-Date: 26 May 1999 18:54:09 GMT
Newsgroups: aus.radio.amateur.misc,rec.radio.amateur.misc,rec.ham-radio

The EI9GQ homebrew radio page has moved to www.qsl.net/ei9gq

Recent additions include:
A simple VHF CW transmitter.
2M to 10M receive converter.
6M to 30M receive converter.
30W mosfet PA for the 80M SSB rig.
Pre-programmed PIC now available for the iambic keyer.

73, Ed. EI9GQ

From 2662054169708479380
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,be9c21df6268bc9b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,be9c21df6268bc9b,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc2a5,be9c21df6268bc9b,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 1031c8,be9c21df6268bc9b,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,be9c21df6268bc9b,start

X-Google-Attributes: gidfa656,public
From: "Marty" <n9bmh@asapnet.net>
Subject: Need National Nc 400 Info and CASE
Date: 1999/05/29
Message-ID: <7iq8bs$4nv$1@news.inc.net>#1/1
X-Deja-AN: 483624932
Organization: Inc.Net http://www.inc.net
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.swap

Need National NC-400 manual and Case
Thanks
Marty   N9BMH

From 4487992314913271584
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4384ff7475d11152,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,4384ff7475d11152,start
X-Google-Attributes: gidfcc6e,public
From: "DiGitaal_DiSrupTer" <superwarbird@juno.com>
Subject: looking for adjustable tuning capacitor
Date: 1999/06/01
Message-ID: <928271002.693625@axilla.wwnet.net>#1/1
X-Deja-AN: 484699929
Cache-Post-Path: axilla.wwnet.net!unknown@zzz-209252121053.splitrock.net
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
X-Trace: news15.ispnews.com 928289536 209.142.193.71 (Tue, 01 Jun 1999 22:12:16 EDT)
Organization: USA Best Net
X-Cache: nntpcache 2.3.3b4 (see http://www.nntpcache.org/)
NNTP-Posting-Date: Tue, 01 Jun 1999 22:12:16 EDT
Newsgroups: rec.ham-radio,rec.radio.amateur.antenna

Hello,

I'm planning on making a small loop antenna for HF, and am looking for a place that sells a 365 pF "broadcast band variable" capacitor. Would you happen to know of a source?

From -8375522737591425441
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4384ff7475d11152

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,4384ff7475d11152
X-Google-Attributes: gidfcc6e,public
From: "AMDX" <AMDX@worldnet.att.net>
Subject: Re: looking for adjustable tuning capacitor
Date: 1999/06/02
Message-ID: <01bead2d$b74a8380$7e874d0c@default>#1/1
X-Deja-AN: 484977358
References: <928271002.693625@axilla.wwnet.net>
X-Complaints-To: abuse@worldnet.att.net
X-Trace: bgtnsc03.worldnet.att.net 928351527 23113 12.77.135.126 (2 Jun 1999 19:25:27 GMT)
Organization: AT&T WorldNet Services
NNTP-Posting-Date: 2 Jun 1999 19:25:27 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur.antenna

Check the sixth item on this page.

http://www.midnightscience.com/index.html

Mike

DiGitaal_DiSrupTer <superwarbird@juno.com> wrote in article
<928271002.693625@axilla.wwnet.net>...
> Hello,
>
> I'm planning on making a small loop antenna for HF, and am
looking
> for a place that sells a 365 pF "broadcast band variable" capacitor.
Would
> you happen to know of a source?
>
>
>

From 3273537008383090825
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2741ec21b52feeb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb6c1,e2741ec21b52feeb,start
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: 105207,e2741ec21b52feeb,start
X-Google-Attributes: gid105207,public
X-Google-Thread: fa656,e2741ec21b52feeb,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fe552,e2741ec21b52feeb,start
X-Google-Attributes: gidfe552,public
X-Google-Thread: 111f87,e2741ec21b52feeb,start
X-Google-Attributes: gid111f87,public
X-Google-Thread: 114671,e2741ec21b52feeb,start

X-Google-Attributes: gid114671,public
X-Google-Thread: f68a8,e2741ec21b52feeb,start
X-Google-Attributes: gidf68a8,public
From: "Harry Lythall SM0VPO" <harryvpo@hotmail.com>
Subject: Radio formulas - web calculators
Date: 1999/06/04
Message-ID: <01beae50$74dab6e0$8734d693@e0060b0eb282a>#1/1
X-Deja-AN: 485562894
Organization: SM0VPO
Newsgroups:
alt.alcohol,alt.radio.pirate,aus.radio.amateur.digital,aus.radio.amateur.misc,es.rec.radio.amateur,nl.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors

Hi again all,

I have waddled over to the HTML newsgroups and found the users there very helpfull. As a result I have managed to add the promissed radio formulas calculator (under BASIC INFORMATION) at:

http://sm0vpo.8m.com/ Main page
http://www.geocities.com/SiliconValley/3569/ Mirror in the USA
http://hem2.passagen.se/sm0vpo Mirror in Europe
http://members.xoom.com/sm0vpo Mirror in Far-East

So-far I have added calculators for:

Resistors in series /Caps in parallel (bit of a joke here?)
Resistors in parallel / Caps in series
Reactance of Capacitors
Reactance of Inductors
Calculating basic frequency - LC known
Calculating the number of turns on a coil - single layer
Calculating the number of turns on a coil - multi-layer
Evaluating a heatsink (what does this HS in my hand do?)
Calculating heatsinks (how big do I want to have it?)

Soon, I will be adding T/Pi resistive attenuators and VSWR calculators.
I will also be adding calculations involving sugar/SG and potential alcohol content plus boiling point as a measure of alcoholic content.

Best regards from Harry - SM0VPO
=====================
PS
Windows is not the answer - it is the question.
The answer is NO!

From -6440833053206420522
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,881a2fe37a1c05d2

```
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fea50,881a2fe37a1c05d2
X-Google-Attributes: gidfea50,public
X-Google-Thread: fd5d6,881a2fe37a1c05d2
X-Google-Attributes: gidfd5d6,public
X-Google-Thread: 1009ad,881a2fe37a1c05d2
X-Google-Attributes: gid1009ad,public
X-Google-Thread: f5341,881a2fe37a1c05d2
X-Google-Attributes: gidf5341,public
X-Google-Thread: fb049,881a2fe37a1c05d2
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa029,881a2fe37a1c05d2
X-Google-Attributes: gidfa029,public
From: holford@cnwl.igs.net.nospam (D. Holford)
Subject: Re: Icom IC-7T
Date: 1999/06/08
Message-ID: <7jjou0$cft$1@news.igs.net>#1/1
X-Deja-AN: 487178015
References: <375941d9.0@ganymede.datanet.hu>
Content-Type: Text/Plain; charset=US-ASCII
X-Complaints-To: abuse@igs.net
X-Trace: news.igs.net 928868096 12797 216.58.8.135 (8 Jun 1999 18:54:56 GMT)
Organization: IGS - Information Gateway Services
Mime-Version: 1.0
NNTP-Posting-Date: 8 Jun 1999 18:54:56 GMT
Newsgroups: alt.ham-radio.vhf-
uhf,alt.radio.scanner,alt.radio.scanner.uk,aus.radio.scanner,de.alt.radio-
scanner,rec.ham-radio,rec.radio.scanner

In article <375941d9.0@ganymede.datanet.hu>, tpierre@freemail.c3.hu says...
>
>I am looking for a manual/schematic for a Icom IC-T7A
>Transceiver.
>Anybody got any ideas or know anything about this radio?
>
>

I've got two, great little radios.
ICOM dealers sell manuals with schematics.

Dave




From -6359162574077991930
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e92456c5e11c645,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fed6a,5e92456c5e11c645,start
X-Google-Attributes: gidfed6a,public
X-Google-Thread: fcc6e,5e92456c5e11c645,start
X-Google-Attributes: gidfcc6e,public
```

X-Google-Thread: fc2a5,5e92456c5e11c645,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 107ada,5e92456c5e11c645,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,5e92456c5e11c645,start
X-Google-Attributes: gidfa656,public
From: Jim <unique1@epix.net>
Subject: ARRL JUNE VHF CONTEST
Date: 1999/06/08
Message-ID: <375D97DC.2003B77B@epix.net>#1/1
X-Deja-AN: 487231444
Content-Transfer-Encoding: 7bit
X-Sender: "Jim" <unique1@in.epix.net> (Unverified)
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@epix.net
X-Trace: news1.epix.net 928877000 209.74.2.95 (Tue, 08 Jun 1999 17:23:20 EDT)
MIME-Version: 1.0
NNTP-Posting-Date: Tue, 08 Jun 1999 17:23:20 EDT
Newsgroups: rec.ham-radio,rec.ham-radio.misc,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.homebrew,rec.radio.amateur.misc

Contest period is Jun 12-13(2PM east Sat through 11PM east Sun)

The Murgas ARC will be operating limited multi(6m, 2m, 220, 440) during the ARRL June VHF contest using the callsign K3YTL. We will be running all 4 bands on FM, SSB, and CW from our FN11uh location(northeast PA.) The exchange is a simple call and grid square(see http://www.arrl.org/locate/gridinfo.html to find your square if uncertain.)

2 meter FM will start at 5PM Sat on 146.49 MHz and146.55. Both freqs will be operated on at the top of every hour. Dial around since we might be forced to move if band is crowded. We hear lots of people even though you may not. All other FM should be continuous. CALL US ON 52.525, 223.5 AND 446!

SSB/CW activity should be audible all of the time. Just work us. Answer our CQ's.

All of our stations will be connected, so when you work us on one band simply ask for a schedule on a different band and you can score another contact immediately. Simple!

We thank everyone who participates in this wonderful event. Good luck and happy hunting. CQ contest!

From -3437254247852511594
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1842baaf1c42685d,start
X-Google-Attributes: gid10c9e3,public

```
X-Google-Thread: 106d41,1842baaf1c42685d,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 108122,1842baaf1c42685d,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fb049,1842baaf1c42685d,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,1842baaf1c42685d,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,1842baaf1c42685d,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 107ada,1842baaf1c42685d,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,1842baaf1c42685d,start
X-Google-Attributes: gidfa656,public
From: "Steven KB9HGI" <kb9hgi@qsl.net>
Subject: SWAP FEST 99 QUINCY, IL
Date: 1999/06/10
Message-ID: <37600ca8.0@news.accessus.net>#1/1
X-Deja-AN: 488023547
X-Trace: 10 Jun 1999 14:06:16 -0600, 207.206.188.114
X-MSMail-Priority: Normal
X-Priority: 3
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,re
c.radio.amateur.swap,rec.radio.cb
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2014.211
```

Hello All,
Mark your calendars for Swapfest 99 August 7th 1999 in Quincy, IL
plenty of space in doors and out. VE testing and prize give aways. Hope
to see you there!

--
    Steven R. Baker
Amateur Radio KB9HGI
---===Quincy, IL===---
  Ham Going Insane!

www.qsl.net/kb9hgi

```
From -3602768717126265 72
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6001e9117a5ca276,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,6001e9117a5ca276,start
X-Google-Attributes: gid108122,public
```

```
X-Google-Thread: 107ada,6001e9117a5ca276,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108778,6001e9117a5ca276,start
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,6001e9117a5ca276,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,6001e9117a5ca276,start
X-Google-Attributes: gid10ed5f,public
From: "n3uux" <n3uux@nospam.toolcity.net>
Subject: FT-1000MP Help!
Date: 1999/06/11
Message-ID: <tMk83.889$A24.24902@typ42b.nn.bcandid.com>#1/1
X-Deja-AN: 488656674
X-Trace: typ42b.nn.bcandid.com 929159321 208.11.233.57 (Fri, 11 Jun 1999 23:48:41
EDT)
NNTP-Posting-Date: Fri, 11 Jun 1999 23:48:41 EDT
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
```

Thanks for reading. I hope someone can help us. My brother recently bought a Yaesu FT-1000MP HF rig and he's having a problem trying to calibrate the VFO display so that it's on the right frequency. If I set my VFO to 28.41500 he has to set his to 28.41505 for us to be on frequency with each other. I checked the tone on 10.000mhz and it matches there but can't seem to get it on freq on phone. Any help or suggestions would be greatly appreciated. Please email keith@toolcity.net if you have any comments or suggestions.

73 and good DX,
Keith Reynolds - n3uux

```
From 8424039692599841681
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2264833bef04ec3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,2264833bef04ec3,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,2264833bef04ec3,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fddbf,2264833bef04ec3,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fc2a5,2264833bef04ec3,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,2264833bef04ec3,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,2264833bef04ec3,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fb049,2264833bef04ec3,start
```

X-Google-Attributes: gidfb049,public
From: "Bill Crann" <bcrann@nf.sympatico.ca>
Subject: How to Program a Midland??????
Date: 1999/06/14
Message-ID: <3765897a.0@209.128.1.3>#1/1
X-Deja-AN: 489619288
Content-Transfer-Encoding: 7bit
X-Trace: news21.bellglobal.com 929401311 209.128.1.3 (Mon, 14 Jun 1999 19:01:51 EDT)
Organization: Sympatico
X-MSMail-Priority: Normal
X-Priority: 3
Content-Type: text/plain; charset="iso-8859-1"
MIME-Version: 1.0
NNTP-Posting-Date: Mon, 14 Jun 1999 19:01:51 EDT
Reply-To: "Bill Crann" <bcrann@nf.sympatico.ca>
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2014.211
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio,rec.ham-radio.packet,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.packet

I have an old 8ch Midland 70-336A VHF radio. I was wondering if there was anyway to program the EPROM with a regular EPROM burner??? Can anyone tell me a way to get this radio programmed. I bought it from a guy not in my area so the repeaters in my area are not programmed into the radio. Any help would be appreciated. Thanks. 73's

VO1BIL

From -8723940013637849198
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2264833bef04ec3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,2264833bef04ec3
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,2264833bef04ec3
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,2264833bef04ec3
X-Google-Attributes: gidfa656,public
X-Google-Thread: fddbf,2264833bef04ec3
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fcc6e,2264833bef04ec3
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fc2a5,2264833bef04ec3
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fb049,2264833bef04ec3
X-Google-Attributes: gidfb049,public
From: schertzer@ns.sympatico.ca (David M Schertzer)
Subject: Re: How to Program a Midland??????
Date: 1999/06/14

Message-ID: <%Wf93.2509$aP5.73254@sapphire.mtt.net>#1/1
X-Deja-AN: 489625343
Distribution: world
References: <3765897a.0@209.128.1.3>
X-Trace: sapphire.mtt.net 929401659 142.177.71.1 (Mon, 14 Jun 1999 20:07:39 ADT)
Organization: none
NNTP-Posting-Date: Mon, 14 Jun 1999 20:07:39 ADT
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio,rec.ham-radio.packet,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.packet

In article <3765897a.0@209.128.1.3>
"Bill Crann" <bcrann@nf.sympatico.ca> wrote:

> I have an old 8ch Midland 70-336A VHF radio. I was wondering if there was
> anyway to program the EPROM with a regular EPROM burner??? Can anyone tell
> me a way to get this radio programmed. I bought it from a guy not in my
> area so the repeaters in my area are not programmed into the radio. Any
> help would be appreciated. Thanks. 73's
>
> VO1BIL

Try http://www.brinkleyelec.com/   Andy does most fer $20USD

From 225757896306898316
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e92456c5e11c645
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fed6a,5e92456c5e11c645
X-Google-Attributes: gidfed6a,public
X-Google-Thread: fa656,5e92456c5e11c645
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,5e92456c5e11c645
X-Google-Attributes: gidfcc6e,public
From: Den <dennis.spiess@reckitt.com>
Subject: Re: ARRL JUNE VHF CONTEST
Date: 1999/06/15
Message-ID: <7k5gmp$kkm$1@nnrp1.deja.com>#1/1
X-Deja-AN: 489813331
References: <375D97DC.2003B77B@epix.net>
X-Http-Proxy: 1.1 x35.deja.com:80 (Squid/1.1.22) for client 208.144.224.145
Organization: Deja.com - Share what you know. Learn what you don't.
X-Article-Creation-Date: Tue Jun 15 12:25:04 1999 GMT
Newsgroups: rec.ham-radio,rec.ham-radio.misc,rec.radio.amateur,rec.radio.amateur.antenna
X-Http-User-Agent: Mozilla/4.0 (compatible; MSIE 4.01; Windows 95; SP1-Reckitt & Colman Inc.)

In article <375D97DC.2003B77B@epix.net>,

```
  Jim <unique1@epix.net> wrote:
> Contest period is Jun 12-13(2PM east Sat through 11PM east Sun)
>
> The Murgas ARC will be operating limited multi(6m, 2m, 220, 440)
during
> the ARRL June VHF contest using the callsign K3YTL.  We will be
running
> all 4 bands on FM, SSB, and CW from our FN11uh location(northeast
PA.)
> The exchange is a simple call and grid square(see
> http://www.arrl.org/locate/gridinfo.html to find your square if
> uncertain.)
>
> 2 meter FM will start at 5PM Sat on 146.49 MHz  and146.55. Both freqs
> will be operated on at the top of every hour.  Dial around since we
> might be forced to move if band is crowded.  We hear lots of people
even
> though you may not.  All other FM should be continuous.  CALL US ON
> 52.525, 223.5 AND 446!
>
> SSB/CW activity should be audible all of the time.  Just work us.
> Answer our CQ's.
>
> All of our stations will be connected, so when you work us on one band
> simply ask for a schedule on a different band and you can score
another
> contact immediately.  Simple!
>
> We thank everyone who participates in this wonderful event.  Good luck
> and happy hunting.  CQ contest!
>
As usual Yellow Traffic Light put out a HUGE signal. Thanks guys we put
both our bands inot your logs!
--
Den Spiess


Sent via Deja.com http://www.deja.com/
Share what you know. Learn what you don't.




From 2475284411007146140
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c09e6cebca009c4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11480d,fd54e316b9416c4c
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,fd54e316b9416c4c
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fd54e316b9416c4c
X-Google-Attributes: gid10bf43,public
X-Google-Thread: f7810,4c09e6cebca009c4,start
```

X-Google-Attributes: gidf7810,public
X-Google-Thread: fa656,4c09e6cebca009c4,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,4c09e6cebca009c4,start
X-Google-Attributes: gid114a57,public
From: Tomas Hood - NW7US <nw7us@hfradio.org>
Subject: Re: Who holds the most callsigns?
Date: 1999/06/17
Message-ID: <3769D631.ACCA108C@hfradio.org>#1/1
X-Deja-AN: 490982004
Content-Transfer-Encoding: 7bit
References: <sTC93.30$Yg6.1447@news.callamer.com> <7k745u$359$1@brokaw.wa.com> <3767A85C.685B@erols.com> <3768E66E.652FD46B@asu.uswest.net>
X-Accept-Language: en
X-Server-Date: 18 Jun 1999 05:16:36 GMT
Content-Type: text/plain; charset=us-ascii
Organization: http://hfradio.org
Mime-Version: 1.0
Newsgroups: rec.radio.amateur.policy,rec.radio.amateur.misc,rec.radio.amateur.dx,alt.ham-radio.dxing,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur

You folks are talking about the interesting article from ARRL, I gather.

From the article:

WASHINGTON, DC, Jun 17, 1999--The FCC's Riley Hollingsworth, K4ZDH, says the Commission may have to resort to fines to curb the practice of hoarding multiple club station call signs. "The reason we're concerned about this is that we consider it an abuse of our licensing processes," said Hollingsworth, a legal adviser for enforcement in the FCC's Compliance and Information Bureau. "If somebody applies for 30 or 40 licenses over time, it really overloads the staff." Hollingsworth pointed out that the call signs often must be typed in manually.

Earlier this month, a ham listed as the trustee for more than three dozen club station call signs agreed to give up all but one of them.

<clip>

Hollingsworth concedes that the FCC rules do not specify an upper limit to the number of call signs an individual may hold, but says "the underpinning of the rules is common sense." He recommended that multiple call sign holders should seriously consider turning in their excess grants before they hear from the FCC, "because we will be pursuing them."

<clip>

The FCC says the two-year rule applies for those seeking to obtain one of the desirable call signs being yielded or called back by the FCC, and Hollingsworth plans to specify a date of cancellation on each letter to a holder so that it will be clear when the two years are up.

"We're also going let them know they can't reclaim any of these call signs under former call sign holder exceptions to the two-year period," he said. Close relatives also would be unable to claim any of the call signs in the future.

<end>

I do see collecting callsigns from other countries, if indeed you operate them from time-to-time. I, for instance, do plan on doing a dx-pedition sometime in the next five years... I certainly would feel that I earned those calls I hope to obtain. Having those next to my name will be a badge of pride... working from some remote location... (ah, the dream of an adventurer!).

Anyhow, I found this topic to be rather interesting. I'd love to hear a comment or two from some of these "warehousers."

73, de NW7US
--
  please visit http://www.hfradio.org - create online equidistant,
  azimuth maps, check propagation, read dx news, swap and shop,
  and more. World-Wide Communications via Amateur Radio
   : 122.32W : 47.61N : 10x56526 : CW/SSB - DX hunter : Seattle :
==
Pursuant to US Code, Title 47, Chapter 5, Subchapter II, '227,
any and all unsolicited COMMERCIAL E-mail sent to this address
is subject to a download and archival fee in the amount of $500
US. E-mailing denotes acceptance of these terms

From -113008697139391678
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ec6d392f75ca086d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,ec6d392f75ca086d,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,ec6d392f75ca086d,start
X-Google-Attributes: gid108778,public
X-Google-Thread: fa262,ec6d392f75ca086d,start
X-Google-Attributes: gidfa262,public
X-Google-Thread: 107ada,ec6d392f75ca086d,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,ec6d392f75ca086d,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,ec6d392f75ca086d,start
X-Google-Attributes: gidfa656,public
From: "n3uux" <n3uux@nospam.toolcity.net>
Subject: Yaesu 1000D VFO Locked Up HELP!!!
Date: 1999/06/20
Message-ID: <26%a3.3332$jK5.422905@typ11.nn.bcandid.com>#1/1
X-Deja-AN: 491631727
X-Trace: typ11.nn.bcandid.com 929857022 208.12.110.208 (Sun, 20 Jun 1999 01:37:02 EDT)
NNTP-Posting-Date: Sun, 20 Jun 1999 01:37:02 EDT

Newsgroups: alt.ham-radio.hf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.misc
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3

Tonight I was chasing DX and started noticing my VFO was getting a little stiff. It quickly got much worse and now will hardly move at all. Has anyone else ever had this problem with their Yaesu 1000D? Please respond to keith@toolcity.net

Thanks,
Keith - n3uux

keith@toolcity.net

From -6355605973640156470
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a881aaeefdeded07,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a881aaeefdeded07,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,a881aaeefdeded07,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 11480d,a881aaeefdeded07,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: fcc6e,a881aaeefdeded07,start
X-Google-Attributes: gidfcc6e,public
From: "rl" <rhl@automate.net>
Subject: FS: Tower and Antennas
Date: 1999/06/23
Message-ID: <X8Kc3.1567$el4.55523@ord-read.news.verio.net>#1/1
X-Deja-AN: 493741968
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Complaints-To: abuse@verio.net
X-Trace: ord-read.news.verio.net 930311863 207.152.109.34 (Fri, 25 Jun 1999 06:57:43 CDT)
Organization: Verio
X-MSMail-Priority: Normal
NNTP-Posting-Date: Fri, 25 Jun 1999 06:57:43 CDT
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment

The following items are for sale.
All are located in north suburban Chicagoland.

If items are to be shipped, all shipping and
packaging costs will be the responsibility
of the purchaser.

ITEMS:

Tri-Ex LM354 Crank-up Tower
Motorized, remote control, limit switches,
new cables, thrust bearing (2.0")
Excellent condition.
Price: $1750 OBO.

Hy-Gain TH7DX tri-band beam w/Balun
Excellent condition.
Price: $400 OBO.

Hy-Gain 66DX 6 element 6 meter beam.
Like new, excellent condition.
Price: $200 OBO

Cushcraft A2WS 12/17 meter beam
Like new, excellent condition.
Price: $200 OBO

CONTACT:

Robert Lieberman KG9US
rhl@automate.net
847-676-4636

From -7470402945166442291
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,ac9772333264b864,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,ac9772333264b864,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,ac9772333264b864,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc2a5,ac9772333264b864,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f4535,ac9772333264b864,start
X-Google-Attributes: gidf4535,public
X-Google-Thread: 1109af,ac9772333264b864,start
X-Google-Attributes: gid1109af,public

X-Google-Thread: 10c2ee,ac9772333264b864,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fc8b1,ac9772333264b864,start
X-Google-Attributes: gidfc8b1,public
From: arnoldg@sf.telia.no (DEMOSTENES A. Goksoyr)
Subject: FS: E810F/7788
Date: 1999/06/27
Message-ID: <3776585b.278359@news.telia.no>#1/1
X-Deja-AN: 494470811
X-Complaints-To: abuse@telia.no
X-Trace: news.telia.no 930502905 195.204.238.169 (Sun, 27 Jun 1999 19:01:45 CEST)
Organization: Telia Internet Public Access
NNTP-Posting-Date: Sun, 27 Jun 1999 19:01:45 CEST
Newsgroups: rec.antiques.radio+phono,rec.audio.tubes,rec.ham-radio,rec.radio.amateur.boatanchors,rec.radio.amateur.homebrew,rec.radio.shortwave,rec.radio.swap,rec.radio.amateur.equipment

Hi,

E810F Siemens and some Mullard for sale. All NOS and NIB. The Siemens are even in sealed boxes. Also E80CC, E80F, E83F, E182CC, E180F/6688, E280F and E282F in stock. Also Telefunken EF 804 NOS, NIB.
Please e-mail me or visit my homepage for details.

Best regards,

Arnold Goksoyr

DEMOSTENES A.Goksoyr N6899 Balestrand - Norway
Tlf.+47 57691340 Fax +47 57691267 http://demostenes.vestdata.no
Valves (tubes), sockets, transformers, books, capacitors and resistors
Svetlana distributor. We ship everywhere in the world.

From -6790832951675134819
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8f558148c2ae0eea,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc8b1,8f558148c2ae0eea,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1109af,8f558148c2ae0eea,start
X-Google-Attributes: gid1109af,public
From: "Dee Almquist" <w4pnt@rica.net>
Subject: FS JOHNSON PANEL REFINISH
Date: 1999/06/29
Message-ID: <Ssge3.89$O3.7563@news12.ispnews.com>#1/1
X-Deja-AN: 495464997
X-Trace: news12.ispnews.com 930714546 208.1.108.221 (Tue, 29 Jun 1999 23:49:06 EDT)
NNTP-Posting-Date: Tue, 29 Jun 1999 23:49:06 EDT
Newsgroups: rec.radio.amateur.boatanchors,rec.radio.swap,rec.ham-radio

X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3

Hello All
My new paint shop is now operational & I am offering restoration of your
JOHNSON RANGER panel, bezel, & cabinet to better than factory original
finish in original looking Johnson colors including the unique green silk
screening. Materials are the new Dupont paint system (I am doing ONLY
Rangers at this time)
The cost is $250. (+shipping)
Regards
Dee, W4PNT
w4pnt@rica.net
Dee Almquist, 534 W. Main St. Waynesboro, Va. 22980 Ph:(540)249-3161
fax:(540)249-5064 Cell:(540)471-7023

From 3497774300415382389
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8f558148c2ae0eea
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc8b1,8f558148c2ae0eea
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1109af,8f558148c2ae0eea
X-Google-Attributes: gid1109af,public
From: "D. S. Platt" <jeepp@erols.com>
Subject: Re: FS JOHNSON PANEL REFINISH
Date: 1999/06/30
Message-ID: <377A8D2E.88322212@erols.com>#1/1
X-Deja-AN: 495767769
Content-Transfer-Encoding: 7bit
References: <Ssge3.89$O3.7563@news12.ispnews.com>
To: Dee Almquist <w4pnt@rica.net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@rcn.com
X-Trace: huMTLeO/9BjM35e/Wg0GglpwxrTGq9PkIH8RfxXrxAM=
Mime-Version: 1.0
NNTP-Posting-Date: 30 Jun 1999 21:31:14 GMT
Newsgroups: rec.radio.amateur.boatanchors,rec.radio.swap,rec.ham-radio

Be sure and let us all know when you can do Viking II's and Valiants.
There's got to be a gold mine out there on these!!!

Dee Almquist wrote:

> Hello All
> My new paint shop is now operational & I am offering restoration of your
> JOHNSON RANGER panel, bezel, & cabinet to better than factory original
> finish in original looking Johnson colors including the unique green silk

> screening. Materials are the new Dupont paint system (I am doing ONLY
> Rangers at this time)
> The cost is $250. (+shipping)
> Regards
> Dee, W4PNT
> w4pnt@rica.net
> Dee Almquist, 534 W. Main St. Waynesboro, Va. 22980 Ph:(540)249-3161
> fax:(540)249-5064 Cell:(540)471-7023

From -7946105578633375488
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,156ae7c0be8b4136,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fe552,156ae7c0be8b4136,start
X-Google-Attributes: gidfe552,public
X-Google-Thread: 105207,156ae7c0be8b4136,start
X-Google-Attributes: gid105207,public
X-Google-Thread: 114671,156ae7c0be8b4136,start
X-Google-Attributes: gid114671,public
X-Google-Thread: fa656,156ae7c0be8b4136,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb6c1,156ae7c0be8b4136,start
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: 111f87,156ae7c0be8b4136,start
X-Google-Attributes: gid111f87,public
X-Google-Thread: f68a8,156ae7c0be8b4136,start
X-Google-Attributes: gidf68a8,public
From: "Harry Lythall SM0VPO" <harryvpo@hotmail.com>
Subject: Homebrew heaven
Date: 1999/07/01
Message-ID: <01bec389$1afda940$8734d693@e0060b0eb282a>#1/1
X-Deja-AN: 495907944
Organization: SM0VPO
Newsgroups:
alt.alcohol,alt.radio.pirate,aus.radio.amateur.digital,aus.radio.amateur.misc,es.rec.radio.amateur,nl.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors

Hello again all,

Yes, there has been loads of activity on the homepage. I have recently added an FM narrow-band RX that is about the size of a cigarette packet and has space to add prototype circuits, such as R/C of models, AF amplifier, data decoders, etc. the set is ideal for HF FSK and will work on any frequency up to 100MHz or more. Naturally there is a PCB layout and component overlay to download and the project is well photographed.

Following many requests I have also added info on building an antenna tuner with a few hints on other methods. Forgive me for not taking this subject so seriously, but all the info is accurate, complete with photograph. Do not be put off by chapter titles such as "ADDING KNOBS" but I feel an ATU/ASTU/ASCTU is a waste of effort on 90% of cases.

The technical message board has seen loads of activity about all aspects, including whether the Reflux still should have the coolant fed to the reflux condenser or the final stage alcohol condenser first. What are your views? I think it is a bit like asking whether the propellor should be mounted at the back of the aeroplane pushing or at the front pulling. Whichever way the still works fine and produced some high-grade alcohol.

The electronic calculator was extended a few weeks ago, thanks to the HTML advice received from another newsgroup. Now that i can handle square-roots I have added frequency and coil-winding calculations to the tables.

I have also received loads of E-mail asking how I draw my circuits and PCB foil patterns. there is a page there with examples that explain everything, right down to the keyboard keys to push. Do not expect any high-tech answers because it is very basic and simple. No software, No code, No preaching about products. you have all the software you need in you basic computer.

Well, there is the latest news, sorry there is not too much of it at the moment. Best regards from Harry

These pages are also located at:
http://sm0vpo.8m.com/
http://www.geocities.com/SiliconValley/3569/
http://hem2.passagen.se/sm0vpo
http://members.xoom.com/sm0vpo

```
From 7443126869527602355
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,48c5b934458ec421,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105207,48c5b934458ec421,start
X-Google-Attributes: gid105207,public
X-Google-Thread: fb6c1,48c5b934458ec421,start
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: f68a8,48c5b934458ec421,start
X-Google-Attributes: gidf68a8,public
X-Google-Thread: fa656,48c5b934458ec421,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fe552,48c5b934458ec421,start
X-Google-Attributes: gidfe552,public
X-Google-Thread: 114671,48c5b934458ec421,start
X-Google-Attributes: gid114671,public
X-Google-Thread: fcc6e,48c5b934458ec421,start
X-Google-Attributes: gidfcc6e,public
```

```
From: "Harry Lythall SM0VPO" <harryvpo@hotmail.com>
Subject: Radio calculations
Date: 1999/07/01
Message-ID: <01bec38a$365f21e0$8734d693@e0060b0eb282a>#1/1
X-Deja-AN: 495908572
Organization: SM0VPO
Newsgroups:
alt.radio.pirate,aus.radio.amateur.digital,aus.radio.amateur.misc,es.rec.radio.ama
teur,nl.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna
```

Just one more bit of news, I have also added T and Pi attenuator
calculators to the radio calculations page. Both are even calculated in
both unballanced and ballanced forms.

Harry
http://sm0vpo.8m.com/
http://www.geocities.com/SiliconValley/3569/
http://hem2.passagen.se/sm0vpo
http://members.xoom.com/sm0vpo

```
From -2169472690508178030
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,156ae7c0be8b4136
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105207,156ae7c0be8b4136
X-Google-Attributes: gid105207,public
X-Google-Thread: fa656,156ae7c0be8b4136
X-Google-Attributes: gidfa656,public
X-Google-Thread: 111f87,156ae7c0be8b4136
X-Google-Attributes: gid111f87,public
X-Google-Thread: 114671,156ae7c0be8b4136
X-Google-Attributes: gid114671,public
X-Google-Thread: fb6c1,156ae7c0be8b4136
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: fe552,156ae7c0be8b4136
X-Google-Attributes: gidfe552,public
X-Google-Thread: f68a8,156ae7c0be8b4136
X-Google-Attributes: gidf68a8,public
From: oudwijf@hotmail.com (Oud Wijf)
Subject: Re: Homebrew heaven
Date: 1999/07/01
Message-ID: <377b3ee8.3766424@news.xs4all.nl>#1/1
X-Deja-AN: 495963889
References: <01bec389$1afda940$8734d693@e0060b0eb282a>
X-Complaints-To: abuse@xs4all.nl
X-Trace: news1.xs4all.nl 930824884 28657 194.109.135.101 (1 Jul 1999 10:28:04 GMT)
Organization: XS4ALL Internet BV
NNTP-Posting-Date: 1 Jul 1999 10:28:04 GMT
Newsgroups:
alt.alcohol,alt.radio.pirate,aus.radio.amateur.digital,aus.radio.amateur.misc,es.r
ec.radio.amateur,nl.radio.amateur,rec.ham-radio,rec.radio.amateur
```

On 1 Jul 1999 05:57:23 GMT, "Harry Lythall SM0VPO"
<harryvpo@hotmail.com> wrote:

>Hello again all,
>
>Yes, there has been loads of activity on the homepage. I have recently
>added an FM narrow-band RX that is about the size of a cigarette packet and
>has space to add prototype circuits, such as R/C of models, AF amplifier,
>data decoders, etc. the set is ideal for HF FSK and will work on any
>frequency up to 100MHz or more. Naturally there is a PCB layout and
>component overlay to download and the project is well photographed.

ScheiBe... I thought for a moment by that header I could find some
recipa's for Rocketfuel....and I'd seen fuckin' radio's?!

|
Kind regards outta Sunny Dafcabin somewhere in
Holland, ..from an fool who's calling himself Old Hag on the Road!
Weet je �cht zeker dat je behouden bent?
Kijk op: http://www.geocities.com/Paris/Opera/7723/
"Ga door die deur!".....dan weet je 't!!

...........***Dringend hulp nodig?***................
Kijk op: http://www.geocities.com/Paris/Opera/7723/
---------Homepage laatst bijgewerkt 30 juni 1999-----------

From 3646539275306233619
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d122e7622b931400,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,d122e7622b931400,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: fa656,d122e7622b931400,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,d122e7622b931400,start
X-Google-Attributes: gid107ada,public
From: "Victor" <iden1000@hotmail.com>
Subject: FS: YAESU VX-5
Date: 1999/07/01
Message-ID: <8HNe3.172$%L2.1467650@bunson.tor.sfl.net>#1/1
X-Deja-AN: 496094999
NNTP-Posting-Date: Thu, 01 Jul 1999 13:37:08 EST
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.scanner
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0

Hello , I have a VX-5 forsales. NEW CONDITION It's about 3 months old
a 9Dxxxxxx series ,and I have never had a problem with it.

It didn't do any hardware mods, I just use the Sofeware EVE to mods it. I'm
not use 6 meters at all since there has no 6M repeater.
and the main reason I selling it is I need the money for my school . It's
comes with radio,antenna, box ,manual , case(CSC-73), Rapid desk
charger(CD-15), Mic adapter(CT-44)and
the RS clip on belt clip. I don't want to give it up but
I need to pay by school for next year. I'm asking $349 + shipping.Thanks
you!! Victor iden1000@hotmail.com

From 7878669633518721612
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,156ae7c0be8b4136
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb6c1,156ae7c0be8b4136
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: 105207,156ae7c0be8b4136
X-Google-Attributes: gid105207,public
X-Google-Thread: fe552,156ae7c0be8b4136
X-Google-Attributes: gidfe552,public
X-Google-Thread: 111f87,156ae7c0be8b4136
X-Google-Attributes: gid111f87,public
X-Google-Thread: 114671,156ae7c0be8b4136
X-Google-Attributes: gid114671,public
X-Google-Thread: fa656,156ae7c0be8b4136
X-Google-Attributes: gidfa656,public
X-Google-Thread: f68a8,156ae7c0be8b4136
X-Google-Attributes: gidf68a8,public
From: Hansanter <shbcommm@indigo.ie>
Subject: Your Site - Schematics ??
Date: 1999/07/01
Message-ID: <377BDDA3.AD306DE6@indigo.ie>#1/1
X-Deja-AN: 496171185
Content-Transfer-Encoding: 7bit
References: <01bec389$1afda940$8734d693@e0060b0eb282a>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: news@indigo.ie
X-Trace: news.indigo.ie 930864552 194.125.134.47 (Thu, 01 Jul 1999 22:29:12 BST)
Organization: Indigo
MIME-Version: 1.0
NNTP-Posting-Date: Thu, 01 Jul 1999 22:29:12 BST
Newsgroups:
alt.alcohol,alt.radio.pirate,aus.radio.amateur.digital,aus.radio.amateur.misc,es.r
ec.radio.amateur,nl.radio.amateur,rec.ham-radio,rec.radio.amateur

Harry,

Thank you very much for your excellent site.

I really like the graphic style of your schematic diagrams so I would appreciate it if you could tell me with what software you create them with.

Regards

Terry Gaff

From 4074581433060466261
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,156ae7c0be8b4136
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105207,156ae7c0be8b4136
X-Google-Attributes: gid105207,public
From: NO SPAM <NOSPAM@mail.rsccd.org>
Subject: Re: Homebrew heaven
Date: 1999/07/01
Message-ID: <377C3220.D473C84@mail.rsccd.org>#1/1
X-Deja-AN: 496273105
Content-Transfer-Encoding: 7bit
References: <01bec389$1afda940$8734d693@e0060b0eb282a>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
Organization: Rancho Santiago Community College District
Mime-Version: 1.0
Newsgroups: alt.radio.pirate,rec.ham-radio

Harry, you've crossposted to too many ngs, especially the alcohol ones. Try to keep on topic. I'm sure the guys (HICK!) in that ng don't want to hear about some dumb electronics stuff.

I checked out your High Power FM Mic page. I think there is some good ideas in this, but then I think that there are one or two that are bad. The one bad one is to use the microphone preamp stage to bias the base of the RF osc. This is just asking for drift problems. I would put a coupling cap between the two stages and use two resistors to bias the RF osc. Another thing is that with 330 ohm emitter and collector resistors, this circuit will take a lot of current from the battery, maybe 30 mA depending on what the base bias voltage is. Batteries may not last very long.

Oddly, I wonder why you chose a PNP for the output stage. Just wondering.
I would have used a bit larger cap between the mic and the preamp, maybe 0.1 or 0.22 uF (aka 100 to 220 nF).

I noticed on your picture that you used a PC board for this project. I think it would be a good idea to fabricate the two low value pF caps from plates on the PC board. You've already done that to the inductor, so why not the caps?

I've been putzing around with an AGC circuit for this kind of FM mic because in order to get it to have decent sensitivity, the gain has to be enough to modulate at least 30 percent. But then if there's a loud sound, it overmodulates very easily. So I'm working on a cheapo AGC that uses a NPN bipolar transistor to short the AC coming from the microphone to ground. Of course it has to have DC blocking caps, there, too. SO far, it works okay, but I haven't checked it to see how much distortion it adds to the microphone. But for this purpose the distortion is hardly important, especially if it adds a lot of compression to prevent splattering overmodulation.

I've mentioned here before that the Dark Portal thief/plagiarist has stolen some of your schematics. Are you ever going to do anyting about it? CAN you do anything? The lowlife is in a different country.
Later..

Harry Lythall SM0VPO wrote:

> Hello again all,
[snip]

> Well, there is the latest news, sorry there is not too much of it at the
> moment. Best regards from Harry

> These pages are also located at:
> http://sm0vpo.8m.com/
> http://www.geocities.com/SiliconValley/3569/
> http://hem2.passagen.se/sm0vpo
> http://members.xoom.com/sm0vpo

From -3676149151210627847
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,156ae7c0be8b4136
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 111f87,156ae7c0be8b4136
X-Google-Attributes: gid111f87,public
X-Google-Thread: fb6c1,156ae7c0be8b4136
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: 114671,156ae7c0be8b4136
X-Google-Attributes: gid114671,public
X-Google-Thread: fe552,156ae7c0be8b4136
X-Google-Attributes: gidfe552,public
X-Google-Thread: fa656,156ae7c0be8b4136
X-Google-Attributes: gidfa656,public
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X-Google-Attributes: gid105207,public
X-Google-Thread: f68a8,156ae7c0be8b4136
X-Google-Attributes: gidf68a8,public
From: Tony Langdon <tlangdon@atctraining.com.au>
Subject: Re: Homebrew heaven

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Date: 1999/07/02
Message-ID: <377BFB86.DFB289FF@atctraining.com.au>#1/1
X-Deja-AN: 496211919
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<377b3ee8.3766424@news.xs4all.nl>
Content-Type: text/plain; charset=us-ascii
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X-Trace: perki.connect.com.au 930872199 15504 210.8.174.5 (1 Jul 1999 23:36:39
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Organization: ATC Training Australasia
Mime-Version: 1.0
NNTP-Posting-Date: 1 Jul 1999 23:36:39 GMT
Newsgroups:
alt.alcohol,alt.radio.pirate,aus.radio.amateur.digital,aus.radio.amateur.misc,es.r
ec.radio.amateur,nl.radio.amateur,rec.ham-radio,rec.radio.amateur

Oud Wijf wrote:

> ScheiBe... I thought for a moment by that header I could find some
> recipa's for Rocketfuel....and I'd seen fuckin' radio's?!

Hmm, you must have read this on alt.alcohol.  Wonder why he posted it
there...  The only relevance I can see to alcohol is that a successful
project is often celebrated afterwards with a few drinks. :-)



From 1593024520459960858
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,156ae7c0be8b4136
X-Google-Attributes: gid10c9e3,public
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X-Google-Attributes: gidfa656,public
X-Google-Thread: fe552,156ae7c0be8b4136
X-Google-Attributes: gidfe552,public
X-Google-Thread: 105207,156ae7c0be8b4136
X-Google-Attributes: gid105207,public
X-Google-Thread: fb6c1,156ae7c0be8b4136
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: 111f87,156ae7c0be8b4136
X-Google-Attributes: gid111f87,public
X-Google-Thread: f68a8,156ae7c0be8b4136
X-Google-Attributes: gidf68a8,public
X-Google-Thread: 114671,156ae7c0be8b4136
X-Google-Attributes: gid114671,public
From: Harry lythall <a@sm0vpo.8m.com.spam>
Subject: Re: Your Site - Schematics ??
Date: 1999/07/02
Message-ID: <377C5C86.C9B0908B@sm0vpo.8m.com.spam>#1/1
X-Deja-AN: 496314865
Content-Transfer-Encoding: 7bit
References: <01bec389$1afda940$8734d693@e0060b0eb282a>
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<377BDDA3.AD306DE6@indigo.ie>
Organization: private
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups:
alt.alcohol,alt.radio.pirate,aus.radio.amateur.digital,aus.radio.amateur.misc,es.rec.radio.amateur,nl.radio.amateur,rec.ham-radio,rec.radio.amateur

I get asked this question loads of times. So much that I have written it
down - take a peek at :
http://hem2.passagen.se/sm0vpo/info/drawcct.htm
best regards from Harry

Hansanter wrote:

> Harry,
>
> Thank you very much for your excellent site.
> I really like the graphic style of your schematic diagrams so I would
> appreciate it if you could tell me with what software you create them
> with.
>
> Regards
>
> Terry Gaff

From -506946178001870869
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,156ae7c0be8b4136
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105207,156ae7c0be8b4136
X-Google-Attributes: gid105207,public
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X-Google-Attributes: gidfe552,public
X-Google-Thread: fa656,156ae7c0be8b4136
X-Google-Attributes: gidfa656,public
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X-Google-Attributes: gid114671,public
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X-Google-Attributes: gid111f87,public
X-Google-Thread: fb6c1,156ae7c0be8b4136
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: f68a8,156ae7c0be8b4136
X-Google-Attributes: gidf68a8,public
From: Harry lythall <a@sm0vpo.8m.com.spam>
Subject: Re: Homebrew heaven
Date: 1999/07/02
Message-ID: <377C5B8E.D82FB3A5@sm0vpo.8m.com.spam>#1/1

X-Deja-AN: 496314866
Content-Transfer-Encoding: 7bit
References: <01bec389$1afda940$8734d693@e0060b0eb282a>
<377b3ee8.3766424@news.xs4all.nl> <377BFB86.DFB289FF@atctraining.com.au>
Organization: private
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups:
alt.alcohol,alt.radio.pirate,aus.radio.amateur.digital,aus.radio.amateur.misc,es.rec.radio.amateur,nl.radio.amateur,rec.ham-radio,rec.radio.amateur

You obviously did not see the pages about brewing and distilling! It was
mentioned in the text!

>Tony Langdon wrote:
>Hmm, you must have read this on alt.alcohol.
>Wonder why he posted it project is often
>celebrated afterwards with a few drinks. :-)

From -764349498262887425
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,156ae7c0be8b4136
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105207,156ae7c0be8b4136
X-Google-Attributes: gid105207,public
From: Harry lythall <a@sm0vpo.8m.com.spam>
Subject: Re: Homebrew heaven
Date: 1999/07/02
Message-ID: <377C623B.83E9B16F@sm0vpo.8m.com.spam>#1/1
X-Deja-AN: 496322494
Content-Transfer-Encoding: 7bit
References: <01bec389$1afda940$8734d693@e0060b0eb282a>
<377C3220.D473C84@mail.rsccd.org>
Organization: private
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: alt.radio.pirate,rec.ham-radio

NO SPAM wrote:

> Harry, you've crossposted to too many ngs, especially the alcohol
> ones. Try to keep on topic. I'm sure the guys (HICK!) in that ng
> don't want to hear about some dumb electronics stuff.

http://sm0vpo.8m.com/booze/beer.htmhttp://sm0vpo.8m.com/booze/spirit.htm
http://sm0vpo.8m.com/booze/taste.htm

> ... one bad one is to use the microphone preamp stage to bias
> the base of the RF osc. This is just asking for drift problems. I

> would ...

If we were talking about the days of germanium transistors then I would agree with you whole-heartedly, but the fact is the circuit is quite stable under quite wide conditions too! The only real problem would be leacage of the input cap.

> Oddly, I wonder why you chose a PNP for the output stage?

Two reasons, (refer to the PCB layout?)1. If you use an NPN then you need an extended ground track and one track crossing = another link.
2. I have a lot of BC557s

> ... to fabricate the two low value pF caps on the PCB ...

1. That would require a double-sided PCB to obtain sufficient capacitance.2. This project has been used at 120MHz and as low as 75MHz.

> I've been putzing around with an AGC circuit ...

I had thought about a limiter but decided to stick to KISS.

> ... but then if there's a loud sound, it overmodulates easily.

Yes, quite true. Fortunately this circuit is intended for education, to stimulate the interest of newcommers and is not intended to be used for high fidelity broadcasting. I also had compalaints that the Mic sensitivity of the V4 was too low. Would you believe that this high sensitivity has received loads of praise?

> So I'm working on a cheapo AGC that uses an NPN bipolar transistor to short
> the AC coming from the mic to ground.

I would be interested in that. Wouldn't an FET give a more linear effect? I would however be interested in your results. I have some similar circuits already created, perhaps we could share?

> I've mentioned here before that the Dark Portal thief/plagiarist has
> stolen some of your schematics. Are you ever going to do anyting
> about it? CAN you do anything?

I do not think that I can do anything about it but I want to look into it anyway. If you have any suggestions then I would be very gratefull.

Anyway, many thanks for your coments. Best regards from Harry - SM0VPO

```
From 3631284839134047112
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,156ae7c0be8b4136
X-Google-Attributes: gid10c9e3,public
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X-Google-Thread: fb6c1,156ae7c0be8b4136
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: fe552,156ae7c0be8b4136
X-Google-Attributes: gidfe552,public
X-Google-Thread: fa656,156ae7c0be8b4136
X-Google-Attributes: gidfa656,public
X-Google-Thread: f68a8,156ae7c0be8b4136
X-Google-Attributes: gidf68a8,public
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X-Google-Attributes: gid114671,public
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X-Google-Attributes: gid111f87,public
X-Google-Thread: 105207,156ae7c0be8b4136
X-Google-Attributes: gid105207,public
From: "Harry Lythall SM0VPO" <harryvpo@hotmail.com>
Subject: Re: Homebrew heaven
Date: 1999/07/02
Message-ID: <01bec476$ae768320$8734d693@e0060b0eb282a>#1/1
X-Deja-AN: 496368242
References: <01bec389$1afda940$8734d693@e0060b0eb282a>
<377b3ee8.3766424@news.xs4all.nl>
Organization: SM0VPO
Newsgroups:
alt.alcohol,alt.radio.pirate,aus.radio.amateur.digital,aus.radio.amateur.misc,es.rec.radio.amateur,nl.radio.amateur,rec.ham-radio,rec.radio.amateur

> ScheiBe... I thought for a moment by that header I could find some
> recipa's for Rocketfuel....and I'd seen fuckin' radio's?!

??? What is the matter with
http://sm0vpo.8m.com/booze/beer.htm
or
http://sm0vpo.8m.com/booze/spirit.htm
or
http://sm0vpo.8m.com/booze/taste.htm

Don't they count? The second one will and has driven a motorcycle!

Harry

From -8871534187244886126
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,156ae7c0be8b4136
X-Google-Attributes: gid10c9e3,public
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X-Google-Attributes: gidfb6c1,public
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X-Google-Attributes: gid114671,public
X-Google-Thread: 111f87,156ae7c0be8b4136
X-Google-Attributes: gid111f87,public
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X-Google-Attributes: gid105207,public
X-Google-Thread: f68a8,156ae7c0be8b4136
X-Google-Attributes: gidf68a8,public
From: Martin Spencer <martin@SPAMOFFb-right-on.demon.co.uk>
Subject: Re: Your Site - Schematics ??
Date: 1999/07/02
Message-ID: <377D3373.D3623EB0@SPAMOFFb-right-on.demon.co.uk>#1/1
X-Deja-AN: 496571657
Content-Transfer-Encoding: 7bit
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Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@demon.net
X-Trace: news.demon.co.uk 930951737 nnrp-02:29363 NO-IDENT b-right-on.demon.co.uk:194.222.178.213
MIME-Version: 1.0
Newsgroups:
alt.alcohol,alt.radio.pirate,aus.radio.amateur.digital,aus.radio.amateur.misc,es.rec.radio.amateur,nl.radio.amateur,rec.ham-radio,rec.radio.amateur

Harry lythall wrote:

> I get asked this question loads of times. So much that I have written it
> down - take a peek at :
>
> http://hem2.passagen.se/sm0vpo/info/drawcct.htm
>

This is fantastic. Thank you Harry, for such a useful present!
Just what I always wanted...

Cheers,

Martin.

From 7901353795800147954
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,58b5ff26724fca49,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,58b5ff26724fca49,start
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X-Google-Attributes: gid10c2ee,public
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X-Google-Attributes: gidfc8b1,public

X-Google-Thread: 108778,58b5ff26724fca49,start
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X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,58b5ff26724fca49,start
X-Google-Attributes: gid1031c8,public
From: "T. E. Roberts" <thorsdag@home.com>
Subject: FS: Hallicrafters S-41G
Date: 1999/07/04
Message-ID: <377FCC0C.91A78EEF@home.com>#1/1
X-Deja-AN: 497166239
Content-Transfer-Encoding: 7bit
X-Accept-Language: en
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X-Complaints-To: abuse@home.net
X-Trace: news.rdc1.fl.home.com 931122188 24.3.71.109 (Sun, 04 Jul 1999 14:03:08 PDT)
Organization: Roberts Communications
MIME-Version: 1.0
Reply-To: thorsdag@home.com
NNTP-Posting-Date: Sun, 04 Jul 1999 14:03:08 PDT
Newsgroups: rec.radio.amateur.swap,rec.radio.amateur.boatanchors,rec.ham-radio,rec.ham-radio.swap,rec.antiques.radio+phono,alt.ham-radio.marketplace,alt.radio.amateur

Hallicrafters S-41G Skyrider Jr. shortwave radio for sale. Produced in late 1940's, early 1950's. Gray cabinet in fair condition. For details and photo, see http://members.home.net/thorsdag/hallicrafters_s41g.htm. Money order or certified check only.

T. E. Roberts (thorsdag@home.com)

From 3993422783636398985
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3c5c9cc5e57dab86,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,3c5c9cc5e57dab86,start
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X-Google-Attributes: gid106d41,public
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X-Google-Attributes: gid1031c8,public
From: "Steve KB9HGI" <kb9hgi@qsl.net>
Subject: Swapfest 99
Date: 1999/07/06

Message-ID: <3781f2b7.0@news.accessus.net>#1/1
X-Deja-AN: 497726392
X-Trace: 6 Jul 1999 07:12:39 -0600, 207.206.188.83
X-MSMail-Priority: Normal
X-Priority: 3
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.cb,rec.radio.swap
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2014.211

Swapfest 99 August 7th
Western Illinois ARC, will hold its Swapfest August 7th at Eagles Alps in
Quincy, IL. For more info contact jfunk@adams.net or Visit WIARC web page.
www.qsl.net/w9awe

Hope to see you there!

From -5934242970581439288
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,156ae7c0be8b4136
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105207,156ae7c0be8b4136
X-Google-Attributes: gid105207,public
From: NO SPAM <NOSPAM@mail.rsccd.org>
Subject: Re: Homebrew heaven
Date: 1999/07/06
Message-ID: <378261E1.4AF7A3F5@mail.rsccd.org>#1/1
X-Deja-AN: 497865069
Content-Transfer-Encoding: 7bit
References: <01bec389$1afda940$8734d693@e0060b0eb282a>
<377C3220.D473C84@mail.rsccd.org> <377C623B.83E9B16F@sm0vpo.8m.com.spam>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
Organization: Rancho Santiago Community College District
Mime-Version: 1.0
Newsgroups: alt.radio.pirate,rec.ham-radio

Harry lythall wrote:

> NO SPAM wrote:
[snip]

> > ... one bad one is to use the microphone preamp stage to bias
> > the base of the RF osc. This is just asking for drift problems. I
> > would ...

> If we were talking about the days of germanium transistors then I would agree
> with you whole-heartedly, but the fact is the circuit is quite stable under
> quite wide conditions too! The only real problem would be leacage of the input
> cap.

Well, since (I think) the caps were ceramics, that shouldn't be a
problem.
[snip]

> > I've been putzing around with an AGC circuit ...

> I had thought about a limiter but decided to stick to KISS.

> > ... but then if there's a loud sound, it overmodulates easily.

> Yes, quite true. Fortunately this circuit is intended for education, to
> stimulate the interest of newcommers and is not intended to be used for high
> fidelity broadcasting. I also had compalaints that the Mic sensitivity of the
> V4 was too low. Would you believe that this high sensitivity has received
> loads of praise?

Well, I've built several lately and they all work okay, I just don't
use the audio transistor's output to bias the RF Osc stage. One thing
that you'll have to admit is that whatever the drift is with your
circuit, it's worse than if the RF Osc is not biased by the audio
output. Like the gain of the audio stage is several tens of times the
input, so any bias change on its input is amplified by that much more.

> > So I'm working on a cheapo AGC that uses an NPN bipolar transistor to short
> > the AC coming from the mic to ground.

> I would be interested in that. Wouldn't an FET give a more linear effect? I
> would however be interested in your results. I have some similar circuits
> already created, perhaps we could share?

Yeah, I have some using JFETs too. I used the one in Art of
Electronics, to get more linearity.

The setup goes something like this.

```
      +V
       |
      res
       |  + cap    2.2k           cap
  Mic -+----|(---/\/\/\----+------)|-- to preamp input
                            |                                 +----+
                             \|  22k or more       1N4148     v   |
                     NPN GP
|-----/\/\/----+-------|<---+-/\/\/-+--<  from
                            e/|            + |            |  25k pot
preamp
                             |              cap 1 uF to   -
```

```
output
                            gnd              | to 4.7 uF  ^ 1N4148
                                            gnd           |
                                                         gnd
```

The preamp is two stages with direct coupling. The whole thing runs
off 9V.
I've found that the resistance of the transistor goes so low that it
basically shorts the whole mic signal to ground. Sometimes the time
constant is so short that it tends to pump. I think that it needs to
have small coupling caps between mic and 2.2k to keep low freq noises
from making it act weird. I've still got a lot ot putzing to do
before it will sound decent. I short the base of the transistor to
ground to disable it and the preamp sounds decent. Then when I remove
the short, it starts to sound grundgy, but it does compress, maybe too
much.   Email me at hotmail.com, account veryfree123 for more info.

> > I've mentioned here before that the Dark Portal thief/plagiarist has
> > stolen some of your schematics. Are you ever going to do anyting
> > about it? CAN you do anything?

> I do not think that I can do anything about it but I want to look into it
> anyway. If you have any suggestions then I would be very gratefull.

Well, you could send email to his provider and maybe the provider
would kick him off or better make him take all the plagiarized
schematics off, which in his case is just about everything.

> Anyway, many thanks for your coments. Best regards from Harry - SM0VPO

From 7777973348330195727
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,18500293988ff92f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,18500293988ff92f,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10fbd1,18500293988ff92f,start
X-Google-Attributes: gid10fbd1,public
X-Google-Thread: 107ada,18500293988ff92f,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,18500293988ff92f,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,18500293988ff92f,start
X-Google-Attributes: gidfa656,public
From: "Steve KB9HGI" <kb9hgi@qsl.net>
Subject: Email me your photo
Date: 1999/07/08
Message-ID: <378431ee.0@news.accessus.net>#1/1
X-Deja-AN: 498438095
X-Trace: 8 Jul 1999 00:06:54 -0600, 207.206.188.223
X-MSMail-Priority: Normal

X-Priority: 3
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.packet
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2014.211

Hello All,
I just added a photo album to my web page www.geocities.com/baja/4990
and Iam looking for photos. Please send me your photo along with your
callsign and I will add it to the photo album. Thanks! kb9hgi@qsl.net

--
Steven R. Baker
Amateur Radio KB9HGI
---===Quincy, IL===----
Ham Going Insane!
www.qsl.net/kb9hgi

From -368948060260474332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d099081bfe22f736,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,d099081bfe22f736,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1109af,d099081bfe22f736,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,d099081bfe22f736,start
X-Google-Attributes: gidf76e2,public
From: "jrmoore" <w5huq@pobox.com>
Subject: Transverter wanted
Date: 1999/07/08
Message-ID: <GJ7h3.534$4P4.15149@news3.ispnews.com>#1/1
X-Deja-AN: 498819873
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2014.211
X-Trace: news3.ispnews.com 931465190 216.152.0.235 (Thu, 08 Jul 1999 16:19:50 EDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Thu, 08 Jul 1999 16:19:50 EDT
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.swap,rec.radio.swap

I am looking for a transverter for either 6 or 2 meters.
Must be 28 MHZ if if you have a 6 meter then 10 watts out is
fine if it is a 2 meter I need at least 25 watts.

Thanks for reading.

John W5HUQ

```
From 4788151878634080737
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2dfa134abdfd8938,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,2dfa134abdfd8938,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,2dfa134abdfd8938,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 107ada,2dfa134abdfd8938,start
X-Google-Attributes: gid107ada,public
From: "Bill Crann" <bcrann@nf.sympatico.ca>
Subject: IC-2AT Battery Question???
Date: 1999/07/14
Message-ID: <378cb444.0@209.128.1.3>#1/1
X-Deja-AN: 500974306
Content-Transfer-Encoding: 7bit
X-Trace: news21.bellglobal.com 931968716 209.128.1.3 (Wed, 14 Jul 1999 12:11:56 EDT)
Organization: Sympatico
X-MSMail-Priority: Normal
X-Priority: 3
Content-Type: text/plain; charset="iso-8859-1"
MIME-Version: 1.0
NNTP-Posting-Date: Wed, 14 Jul 1999 12:11:56 EDT
Reply-To: "Bill Crann" <bcrann@nf.sympatico.ca>
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2014.211
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.homebrew,rec.radio.amateur.misc
```

I was wondering what is the maximum voltage battery pack I can use on this radio? Does the battery pack from a HTX-202 fit this radio? Can I use the radio while it is charging? Can I hook it up to an external 13.8V power supply? Sorry for all the questions but I am fairly new to Ham Radio and just bought this radio used with no manual, so I wouldn't want to break it first thing.

73's
VO1BIL

```
From -7624769807155376906
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2dfa134abdfd8938
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,2dfa134abdfd8938
```

X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,2dfa134abdfd8938
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc2a5,2dfa134abdfd8938
X-Google-Attributes: gidfc2a5,public
From: Brad Kellison <KA8TOK@four-way.net>
Subject: Re: IC-2AT Battery Question???
Date: 1999/07/14
Message-ID: <378CEC96.4E027624@four-way.net>#1/1
X-Deja-AN: 501049923
Content-Transfer-Encoding: 7bit
References: <378cb444.0@209.128.1.3>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: news2.randori.com 931982470 208.231.154.45 (Wed, 14 Jul 1999 13:01:10 PDT)
MIME-Version: 1.0
NNTP-Posting-Date: Wed, 14 Jul 1999 13:01:10 PDT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.homebrew,rec.radio.amateur.misc

the max voltage for the IC-2at is 8.4 volts unless you have the 12v adapter pack with it. yes the 7.2 volt HTX-202 packs will work fine with it.. the HTX-202 was redeisgned from the ICOM IC-O2AT.

Bill Crann wrote:

> I was wondering what is the maximum voltage battery pack I can use on this
> radio? Does the battery pack from a HTX-202 fit this radio? Can I use the
> radio while it is charging? Can I hook it up to an external 13.8V power
> supply? Sorry for all the questions but I am fairly new to Ham Radio and
> just bought this radio used with no manual, so I wouldn't want to break it
> first thing.
>
> 73's
> VO1BIL

From -2622614158O2882134
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2dfa134abdfd8938
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,2dfa134abdfd8938
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,2dfa134abdfd8938
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc2a5,2dfa134abdfd8938
X-Google-Attributes: gidfc2a5,public
From: k9opo@netusa1.qlf.net (Roger Grady)
Subject: Re: IC-2AT Battery Question???
Date: 1999/07/15

Message-ID: <7mjj5d$2vg9$1@news.netusa1.net>#1/1
X-Deja-AN: 501186168
References: <378cb444.0@209.128.1.3>
X-Complaints-To: abuse@netusa1.net
X-Trace: news.netusa1.net 932007917 97801 206.150.220.101 (15 Jul 1999 03:05:17 GMT)
Organization: NetUSA1 Internet Service, Inc
Reply-To: k9opo@netusa1.qlf.net
NNTP-Posting-Date: 15 Jul 1999 03:05:17 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.homebrew,rec.radio.amateur.misc

"Bill Crann" <bcrann@nf.sympatico.ca> wrote:

>I was wondering what is the maximum voltage battery pack I can use on this
>radio? Does the battery pack from a HTX-202 fit this radio? Can I use the
>radio while it is charging? Can I hook it up to an external 13.8V power
>supply? Sorry for all the questions but I am fairly new to Ham Radio and
>just bought this radio used with no manual, so I wouldn't want to break it
>first thing.

My -2AT manual doesn't specify a maximum voltage, but the BP-5 battery
supplies 10.8V (and 2.3W RF out), so at least that much is acceptable.
I don't think it's intended to be run direct from 13.8v.

I haven't tried it but I've read that batteries are interchangable
with the HTX-202.

Manual says NOT to charge battery while radio is on.

Roger Grady   k9opo@netusa1.qlf.net
 To reply by email, remove "qlf." from address

From -397968942557307461
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2dfa134abdfd8938
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,2dfa134abdfd8938
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,2dfa134abdfd8938
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc2a5,2dfa134abdfd8938
X-Google-Attributes: gidfc2a5,public
From: Brad Kellison <KA8TOK@four-way.net>
Subject: Re: IC-2AT Battery Question???
Date: 1999/07/15
Message-ID: <378DD9D9.A8BA0724@four-way.net>#1/1
X-Deja-AN: 501311582

Content-Transfer-Encoding: 7bit
References: <378cb444.0@209.128.1.3> <7mjj5d$2vg9$1@news.netusa1.net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: news2.randori.com 932043184 208.231.154.20 (Thu, 15 Jul 1999 05:53:04 PDT)
MIME-Version: 1.0
NNTP-Posting-Date: Thu, 15 Jul 1999 05:53:04 PDT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.homebrew,rec.radio.amateur.misc

the IC2at requires an adapter to be used with it in order to run 13.8v.. the
202 is based on ICOM's IC-O2AT design.

Roger Grady wrote:

> "Bill Crann" <bcrann@nf.sympatico.ca> wrote:
>
> >I was wondering what is the maximum voltage battery pack I can use on this
> >radio? Does the battery pack from a HTX-202 fit this radio? Can I use the
> >radio while it is charging? Can I hook it up to an external 13.8V power
> >supply? Sorry for all the questions but I am fairly new to Ham Radio and
> >just bought this radio used with no manual, so I wouldn't want to break it
> >first thing.
>
> My -2AT manual doesn't specify a maximum voltage, but the BP-5 battery
> supplies 10.8V (and 2.3W RF out), so at least that much is acceptable.
> I don't think it's intended to be run direct from 13.8v.
>
> I haven't tried it but I've read that batteries are interchangable
> with the HTX-202.
>
> Manual says NOT to charge battery while radio is on.
>
> Roger Grady   k9opo@netusa1.qlf.net
> To reply by email, remove "qlf." from address

From -3714725873866586775
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c4952ff63d8f8a1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b2aba84e69c17a66
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,1c4952ff63d8f8a1,start
X-Google-Attributes: gidfa656,public
From: "Bill Crann" <bcrann@nf.sympatico.ca>
Subject: Re: IC-2AT battery question???
Date: 1999/07/19
Message-ID: <379290f0.0@209.128.1.3>#1/1
X-Deja-AN: 502575823

```
Content-Transfer-Encoding: 7bit
References: <378cb443.0@209.128.1.3> <19990714214720.22193.00000322@ng-
fu1.aol.com>
X-Priority: 3
Content-Type: text/plain; charset="iso-8859-1"
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2014.211
X-Trace: news21.bellglobal.com 932352381 209.128.1.3 (Sun, 18 Jul 1999 22:46:21
EDT)
Organization: Sympatico
X-MSMail-Priority: Normal
MIME-Version: 1.0
NNTP-Posting-Date: Sun, 18 Jul 1999 22:46:21 EDT
Reply-To: "Bill Crann" <bcrann@nf.sympatico.ca>
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment

Thanks to all who replied.  My IC-2AT works great and I now know what not to
do with it.  Thanks again.

P.S. Sorry for the cross posting...

73's
VO1BIL


KF6TRV <kf6trv@aol.com> wrote in message
news:19990714214720.22193.00000322@ng-fu1.aol.com...
> Hi,
>       With regards to your questions :
> 1. the max. voltage for a BP7 is 9.6V....
> 2. I guess the batt. for HTX-202 will fit.
> 3. You can't use the radio while on charge if you are using the wall
charger,
> however if you hookedit up to a 13.8V external power supply or car
battery,
> then you can simultaneously charge the radio and transmit. The normal
charging
> time for the battery using a wall charger is 14 to 16 hours...
>       I hope this will be a useful guide for you. Enjoy the hobby !!!
>                                         73,
>                         de: KQ6MP/ Sobee
>




From 6708000388080753523
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,e81dc0c92268196a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,e81dc0c92268196a,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,e81dc0c92268196a,start
X-Google-Attributes: gid107ada,public
```

X-Google-Thread: fe552,e81dc0c92268196a,start
X-Google-Attributes: gidfe552,public
From: "Asmel Colina" <asmel@telcel.net.ve>
Subject: TS-520SE
Date: 1999/07/20
Message-ID: <6m1l3.1949$24.94@news01.t-net.net.ve>#1/1
X-Deja-AN: 503175092
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2014.211
X-Trace: news01.t-net.net.ve 932487682 206.49.130.88 (Tue, 20 Jul 1999 12:21:22 AST)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Tue, 20 Jul 1999 12:21:22 AST
Newsgroups: es.rec.radio.amateur,rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.misc

Hi, I'm a new, young ham, college student... an my question is: Is a
TS-520SE a good radio for strarting in the ham or is too obsolete?, What
antena and coax I have to choose (economic, please...) to make some DX's
with this rig; specially if I live in a building and the roof is too far -
and the wind speed is very fast?.

Asmel Colina - YV1DOG.

Hola, soy un joven "aprendiz" de radioaficionado, y me han regalado un radio
Kenwood TS-520SE, mi pregunta es: es bueno este radio para empezar, o es
demasiado obsoleto?, y que antena debo utilizar, si vivo en un edificio
alto, y con mucho viento; ademas de que cable coaxial puedo conseguir que no
tenga mucha perdia, pues vivo en un piso bajo y la antena estar� lejos...?

Asmel Colina - YV1DOG.

From 6302181777083902724
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e81dc0c92268196a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,e81dc0c92268196a
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,e81dc0c92268196a
X-Google-Attributes: gid107ada,public
X-Google-Thread: fe552,e81dc0c92268196a
X-Google-Attributes: gidfe552,public
From: "Nico de Jong" <nico@farumdata.dk>
Subject: Re: TS-520SE
Date: 1999/07/21
Message-ID: <SPdl3.35$yZ2.156@news.get2net.dk>#1/1
X-Deja-AN: 503428761
References: <6m1l3.1949$24.94@news01.t-net.net.ve>
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3

X-Complaints-To: abuse@uni2.dk
X-Trace: news.get2net.dk 932538738 130.228.39.106 (Wed, 21 Jul 1999 08:32:18 MET DST)
Organization: UNI2 Internet Kunde
NNTP-Posting-Date: Wed, 21 Jul 1999 08:32:18 MET DST
Newsgroups: es.rec.radio.amateur,rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.misc

Asmel Colina skrev i meddelelsen <6m1l3.1949$24.94@news01.t-net.net.ve>...
>Hi, I'm a new, young ham, college student... an my question is: Is a
>TS-520SE a good radio for strarting in the ham or is too obsolete?, What
>antena and coax I have to choose (economic, please...) to make some DX's
>with this rig; specially if I live in a building and the roof is too far -
>and the wind speed is very fast?.

I also just bought a TS520 (without S and E), and the sensitivity is 0,25 microvolt according to the specs. I can hear lots of Italians on an indoor TV antenna!
I bought a MFJ-1796 vertical dipole for 40-15-20-10-5 and 2.

By the way, does any of this groups readers have a modification so the 10 mhz receive-only section can be changed to a receive-transmit section?

Nico, OZ1BMC
nico@farumdata.dk

From 1712100080409746408
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,e81dc0c92268196a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fe552,e81dc0c92268196a
X-Google-Attributes: gidfe552,public
X-Google-Thread: 108122,e81dc0c92268196a
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,e81dc0c92268196a
X-Google-Attributes: gid107ada,public
From: "Gary J. Reichow" <garyjreichow@unn.unisys.com>
Subject: Re: TS-520SE
Date: 1999/07/21
Message-ID: <3795E6A2.58F4@unn.unisys.com>#1/1
X-Deja-AN: 503570617
Content-Transfer-Encoding: 8bit
References: <6m1l3.1949$24.94@news01.t-net.net.ve>
Content-Type: text/plain; charset=iso-8859-1
X-Complaints-To: news@rsvl.unisys.com
X-Trace: ernie.rsvl.unisys.com 932571069 2241 192.61.189.10 (21 Jul 1999 15:31:09 GMT)
Organization: Unisys - Roseville, MN
Mime-Version: 1.0

Reply-To: garyjreichow@unn.unisys.com
NNTP-Posting-Date: 21 Jul 1999 15:31:09 GMT
Newsgroups: es.rec.radio.amateur,rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.misc

Asmel Colina wrote:
>
> Hi, I'm a new, young ham, college student... an my question is: Is a
> TS-520SE a good radio for strarting in the ham or is too obsolete?, What
> antena and coax I have to choose (economic, please...) to make some DX's
> with this rig; specially if I live in a building and the roof is too far -
> and the wind speed is very fast?.
>
> Asmel Colina - YV1DOG.
>
> Hola, soy un joven "aprendiz" de radioaficionado, y me han regalado un radio
> Kenwood TS-520SE, mi pregunta es: es bueno este radio para empezar, o es
> demasiado obsoleto?, y que antena debo utilizar, si vivo en un edificio
> alto, y con mucho viento; ademas de que cable coaxial puedo conseguir que no
> tenga mucha perdia, pues vivo en un piso bajo y la antena estar� lejos...?
>
> Asmel Colina - YV1DOG.

Asmel,
The TS-520SE is a perfectly good radio to
begin your amateur 'career' with . I had a TS-520S
and was happy with it. I don't think it has 160M
though. If 'top band' is not a consideration,
then go for it.
Gary - KN0V

From -1565683479013829866
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e81dc0c92268196a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,e81dc0c92268196a
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,e81dc0c92268196a
X-Google-Attributes: gid107ada,public
X-Google-Thread: fe552,e81dc0c92268196a
X-Google-Attributes: gidfe552,public
From: ke4zv@bellsouth.net (Gary Coffman)
Subject: Re: TS-520SE
Date: 1999/07/21
Message-ID: <37abef0c.832034452@news.atl.bellsouth.net>#1/1
X-Deja-AN: 503581629
Content-Transfer-Encoding: 7bit
References: <6m1l3.1949$24.94@news01.t-net.net.ve>
Content-Type: text/plain; charset=us-ascii
X-Trace: news4.atl 932573307 209.214.66.151 (Wed, 21 Jul 1999 12:08:27 EDT)
MIME-Version: 1.0

NNTP-Posting-Date: Wed, 21 Jul 1999 12:08:27 EDT
Newsgroups: es.rec.radio.amateur,rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.misc

On Tue, 20 Jul 1999 12:16:03 -0400, "Asmel Colina" <asmel@telcel.net.ve> wrote:
>Hi, I'm a new, young ham, college student... an my question is: Is a
>TS-520SE a good radio for strarting in the ham or is too obsolete?, What
>antena and coax I have to choose (economic, please...) to make some DX's
>with this rig; specially if I live in a building and the roof is too far -
>and the wind speed is very fast?.
>
>Asmel Colina - YV1DOG.

The TS-520 is very old, but if it is in good condition it will serve you well as a starter radio. As for an antenna, dipoles are always good. A simple doublet fed with balanced line can serve as an all band antenna when used with a balanced tuner (or even when used with switched lengths of feed line substituting for a tuner if you're strapped for cash). If you insist on coax feedline, then you might consider a trapped dipole or multiband fan dipole instead. They are more trouble to build, but you can feed them from the TS520 without an external tuner.

Gary
Gary Coffman KE4ZV | You make it |mail to ke4zv@bellsouth.net
534 Shannon Way | We break it |
Lawrenceville, GA | Guaranteed |

From -362794820666130291
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dab87ec8aa8b12b4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,dab87ec8aa8b12b4,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,dab87ec8aa8b12b4,start
X-Google-Attributes: gid11480d,public
From: meuzelaar@my-deja.com
Subject: Volunteer Position on South Pacific Atoll
Date: 1999/07/23
Message-ID: <7n8e60$a10$1@nnrp1.deja.com>#1/1
X-Deja-AN: 504188633
X-Http-Proxy: 1.0 x28.deja.com:80 (Squid/1.1.22) for client 216.190.13.103
Organization: TIMES Volunteer Project
X-Article-Creation-Date: Fri Jul 23 00:49:06 1999 GMT
X-MyDeja-Info: XMYDJUIDmeuzelaar
Reply-To: Meuzelaar@sisna.com
Newsgroups: rec.ham-radio,rec.radio.amateur.dx,rec.radio.amateur.equipment
X-Http-User-Agent: Mozilla/4.05 [en] (Win95; I)

If you have good electronic, electrical and general mechanical repair skills and are interested in spending 6-12 months as a volunteer on a remote SouthPacific atoll, working in a small meteorology department (with very friendly people) responsible for 9 small islands in the Tuvaluan archipelago , please send us your resume.

The Tuvalu Meteorological Service urgently needs to fill the open position of Station Technical Officer responsible for maintenance and repair of all computer, radio communication (satellite and SSB), electrical and mechanical equipment of the main station on Funafuti, as well as that of the out-stations on Nanumea, Nui and Nukulaelae.

Tuvalu, situated approx. 700 NM north of Fiji, is the world's 3rd or 4th smallest country (in terms of land mass) and became independent from the UK almost 20 years ago. The outer islands of Tuvalu count among the last unspoiled South Pacific paradises.

The Government of Tuvalu will provide a cost-of-living allowance which covers food, accomodations and medical care. Travel costs to and from Tuvalu are normally not covered but exceptions may be made for highly qualified candidates. The official languages are Tuvaluan (no knowledge required) and English. There are no known, major endemic infectious or parasitic disease risks.

Henk Meuzelaar
TIMES* Project Coordinator

(* Tuvalu Inter-island Medical and Educational Services)

Sent via Deja.com http://www.deja.com/
Share what you know. Learn what you don't.

From 2776359377272319596
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dab87ec8aa8b12b4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,dab87ec8aa8b12b4
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,dab87ec8aa8b12b4
X-Google-Attributes: gid11480d,public
From: "Paul F. Murphy" <paulmurphy@postoffice.worldnet.att.net>
Subject: Re: Volunteer Position on South Pacific Atoll
Date: 1999/07/25
Message-ID: <7nejjb$lvh$1@bgtnsc01.worldnet.att.net>#1/1
X-Deja-AN: 504986372
Content-Transfer-Encoding: 7bit
References: <7n8e60$a10$1@nnrp1.deja.com>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@worldnet.att.net
X-Trace: bgtnsc01.worldnet.att.net 932893099 22513 12.75.151.4 (25 Jul 1999 08:58:19 GMT)
Organization: AT&T WorldNet Services

Mime-Version: 1.0
NNTP-Posting-Date: 25 Jul 1999 08:58:19 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur.dx,rec.radio.amateur.equipment

Man, what an adventure...if only I were younger!

From -3451946214716034363
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dab87ec8aa8b12b4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,dab87ec8aa8b12b4
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,dab87ec8aa8b12b4
X-Google-Attributes: gid11480d,public
From: Don Nelsch <dnelsch@neo.rr.com>
Subject: Re: Volunteer Position on South Pacific Atoll
Date: 1999/07/25
Message-ID: <379B45BF.9CCB2F37@neo.rr.com>#1/1
X-Deja-AN: 505044804
Content-Transfer-Encoding: 7bit
References: <7n8e60$a10$1@nnrp1.deja.com> <7nejjb$lvh$1@bgtnsc01.worldnet.att.net>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@neo.rr.com
X-Trace: sandstorm 932922883 24.93.180.144 (Sun, 25 Jul 1999 13:14:43 EDT)
Organization: Road Runner High Speed Online -- Northeast Ohio
MIME-Version: 1.0
NNTP-Posting-Date: Sun, 25 Jul 1999 13:14:43 EDT
Newsgroups: rec.ham-radio,rec.radio.amateur.dx,rec.radio.amateur.equipment

Wouldn't hurt to be rich either! "Volunteer" doesn't buy much radio or computer equipment to say nothing of a good steak dinner once in a while. Besides, the wife wouldn't appreciate me cavorting with all those South Sea beauties while she suffered with the ice and snow of an Ohio winter.

Paul F. Murphy wrote:

> Man, what an adventure...if only I were younger!

From 5708346139133921905
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,612bb0ed738128e9
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,612bb0ed738128e9
X-Google-Attributes: gid108122,public
X-Google-Thread: f64c6,612bb0ed738128e9
X-Google-Attributes: gidf64c6,public

```
X-Google-Thread: fb049,612bb0ed738128e9
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa656,612bb0ed738128e9
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,612bb0ed738128e9
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fe552,612bb0ed738128e9
X-Google-Attributes: gidfe552,public
X-Google-Thread: 1109af,612bb0ed738128e9
X-Google-Attributes: gid1109af,public
From: Brad Kellison KA8TOK <KA8TOK@four-way.net>
Subject: Re: Yaesu 8100 Mod Page
Date: 1999/04/16
Message-ID: <37172D80.917CC958@four-way.net>#1/1
X-Deja-AN: 467106977
References: <37119350.8A23A64@hotmail.com> <3711DE98.5D7F4981@four-way.net>
<7f5td7$ki9$1@nw001t.infi.net>
X-Accept-Language: en
Content-Type: multipart/mixed; boundary="------------1D42366E09E062A679A27316"
X-Trace: news2.randori.com 924265963 208.231.154.33 (Fri, 16 Apr 1999 05:32:43
PDT)
MIME-Version: 1.0
NNTP-Posting-Date: Fri, 16 Apr 1999 05:32:43 PDT
Newsgroups:
rec.radio.amateur.equipment,rec.radio.amateur,rec.radio.amateur.homebrew,rec.ham-
radio,alt.ham-radio.vhf-
uhf,rec.radio.swap,es.rec.radio.amateur,uk.radio.amateur,alt.ham-
radio.marketplace,rec.radio.amateur.misc

This is a multi-part message in MIME format.
--------------1D42366E09E062A679A27316
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
```

Why Shoud I try it there.. I was the one who sent the mod to QRZ to begin with.

"Daniel J. Velez" wrote:

```
> It's an Apache server and doesn't like the caps.  Try:
>
> www.qrz.com/mods/
>
> 73 de Dan
>
> Brad Kellison KA8TOK wrote in message <3711DE98.5D7F4981@four-way.net>...
> >you can also get the mod from WWW.QRZ.COM/MODS . I know I put it there
> >ehrn your site dropped the last time.
> >
> >_Mac_ wrote:
> >
> >> Yaesu FT 8100 R Modification Page
> >>
> >> The Original 8100R Mod page.  New Location
> >>
> >> http://www.iw.net/~mac24
> >>
> >> 73's
> >> _Mac_
> >> Icq:  # 3115848
> >> mcgyv@hotmail.com
> >

--------------1D42366E09E062A679A27316
Content-Type: text/x-vcard; charset=us-ascii;
 name="KA8TOK.vcf"
Content-Transfer-Encoding: 7bit
Content-Description: Card for Brad Kellison KA8TOK
Content-Disposition: attachment;
 filename="KA8TOK.vcf"

begin:vcard
n:Kellison;Brad
x-mozilla-html:TRUE
adr:;;;;;;
version:2.1
email;internet:ka8tok@four-way.net
x-mozilla-cpt:;-3440
fn:Brad KA8TOK
end:vcard

--------------1D42366E09E062A679A27316--




From -962392145749847132
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,977b61abdef39cc5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,977b61abdef39cc5,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,977b61abdef39cc5,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,977b61abdef39cc5,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,977b61abdef39cc5,start
X-Google-Attributes: gidfa656,public
From: "Chris Davis" <kb0wwp@hamsnet1.net>
Subject: Get new callsigns via e-mail!
Date: 1999/04/19
Message-ID: <sgOS2.1409$217.120067@newscene.newscene.com>#1/1
X-Deja-AN: 468487137
Organization: Newscene Public Access Usenet News Service (http://
www.newscene.com/)
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
```

Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc

Here's a new service I'm trying out on my website:

If you have recently passed your amateur exam and are waiting for your calls, visit this page and enter your name and state. Each night my computer will check the FCC daily activity and if your name is in the list, it will automatically send you an e-mail with your new callsign!

This is brand new and mostly untested, so let me know how it works and how you like the idea!

I am going to add a non-web way to register (like via e-mail) so users without web access (like Juno) can use it.

The URL is: http://davisfamily.nu/hamcalls.htm

73,
Chris KB0WWP

--
* remove the '1' from my address to respond *

From 5717686574110411068
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,cbadbcb175c14d84,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fed6a,cbadbcb175c14d84,start
X-Google-Attributes: gidfed6a,public
X-Google-Thread: 10fe7d,cbadbcb175c14d84,start
X-Google-Attributes: gid10fe7d,public
X-Google-Thread: fddbf,cbadbcb175c14d84,start
X-Google-Attributes: gidfddbf,public
From: "Standard UK" <sales@standard-comms.co.uk>
Subject: =?iso-8859-1?Q?Standard_C510_handy=2C_Just_=A399?=
Date: 1999/04/21
Message-ID: <VJjT2.11997$kG6.448215@news2.giganews.com>#1/1
X-Deja-AN: 469112981
Content-Type: multipart/alternative; boundary="----
=_NextPart_000_00E7_01BE8BFD.DF29D500"
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Abuse-Info: Otherwise we will be unable to process your complaint properly
X-Complaints-To: abuse@GigaNews.Com
X-Trace: sv1-
RHQcZdv9QL+HutLTg0RGSr4RQ4Z5JtDv6+e11ojArG0iGhXyI6RuXUei49Y6L30jHPbb3xoJzTFAqPG!
rC49zg3RfYrZjw==
Organization: Giganews.Com - Premium News Outsourcing
MIME-Version: 1.0

```
NNTP-Posting-Date: Wed, 21 Apr 1999 07:43:33 CDT
Newsgroups: it.hobby.radioamatori,rec.ham-radio,rec.ham-radio.misc,rec.ham-
radio.packet

This is a multi-part message in MIME format.

------=_NextPart_000_00E7_01BE8BFD.DF29D500
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

HOT NEWS!
Entel UK, the official UK distributor for Standard Communications, Japan =
are now offering equipment for direct sale....
=20
=20
C510E      Dual band FM handheld transceiver. 1 WATT RF output.
                  Wideband receive & AM receive. =
CTCSS/1750Hz/DTMF/MEMORIES
                  Just =A399.00 inc. VAT   original RRP =A3299.00=20
=20
CPB510   50 WATT booster for C510E. (50W VHF, 35W UHF) Inc. 2w audio amp =
&=20
                   duplexer. Just =A3100.00   original RRP =A3299.00=20
=20
For detailed information & prices see our web site:-

www.standard-comms.co.uk/c510e.htm         or
telephone direct.. +44 181 236 0032
fax direct.. + 44 181 236 0082=20
=20

------=_NextPart_000_00E7_01BE8BFD.DF29D500
Content-Type: text/html;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">
<HTML>
<HEAD>

<META content=3Dtext/html;charset=3Diso-8859-1 =
http-equiv=3DContent-Type><!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 =
HTML//EN">
<META content=3D'"MSHTML 4.72.3110.7"' name=3DGENERATOR>
</HEAD>
<BODY bgColor=3D#ffffff>
<DIV>
<DIV>
<DIV><FONT color=3D#800000 size=3D7>HOT NEWS!</FONT></DIV>
<DIV><FONT color=3D#000000>Entel UK, the official UK distributor for =
Standard=20
Communications, Japan are now offering equipment for direct=20
```

```
sale....</FONT></DIV>
<DIV><FONT color=3D#000000></FONT>&nbsp;</DIV>
<DIV><FONT color=3D#0000ff face=3D""><FONT color=3D#000000><EM><FONT =
color=3D#800080=20
face=3D"" size=3D4></FONT></EM></FONT></FONT>&nbsp;</DIV>
<DIV><EM><FONT color=3D#0000ff face=3D"" =
size=3D3>C510E&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;=20
</EM><FONT color=3D#000000>Dual band FM handheld transceiver. 1 WATT RF=20
output.</FONT></FONT></DIV>
<DIV><FONT color=3D#0000ff face=3D"" size=3D3><FONT=20
color=3D#000000>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nb=
sp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;=20
Wideband receive &amp; AM receive.=20
CTCSS/1750Hz/DTMF/MEMORIES<EM></EM></FONT></FONT></DIV>
<DIV><EM><FONT color=3D#0000ff face=3D"" size=3D3><FONT=20
color=3D#000000>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nb=
sp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;=20
<FONT color=3D#800080 face=3D"" size=3D4>Just &pound;99.00 inc. =
VAT&nbsp;&nbsp;=20
original RRP &pound;299.00 </FONT></FONT></FONT></EM></DIV>
<DIV><EM><FONT color=3D#0000ff face=3D"" size=3D3><FONT =
color=3D#000000><FONT=20
color=3D#800080 face=3D"" =
size=3D4></FONT></FONT></FONT></EM>&nbsp;</DIV>
<DIV><EM><FONT color=3D#0000ff face=3D"" size=3D3>CPB510&nbsp;&nbsp; =
<FONT=20
color=3D#000000>50 WATT booster for C510E. (50W VHF, 35W UHF) Inc. 2w =
audio amp=20
&amp;&nbsp;</FONT></FONT></EM></DIV>
<DIV><EM><FONT color=3D#0000ff face=3D"" size=3D3><FONT=20
color=3D#000000>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nb=
sp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;=20
duplexer. <FONT color=3D#800080 face=3D"" size=3D4>Just =
&pound;100.00&nbsp;&nbsp;=20
original RRP &pound;299.00&nbsp;</FONT></FONT></FONT></EM></DIV>
<DIV><EM><FONT color=3D#0000ff face=3D"" size=3D3><FONT =
color=3D#000000><FONT=20
color=3D#800080 face=3D"" =
size=3D4></FONT></FONT></FONT></EM>&nbsp;</DIV>
<DIV><EM><FONT color=3D#0000ff face=3D"" size=3D3><FONT =
color=3D#000000><FONT=20
color=3D#800080 face=3D"" size=3D4><FONT color=3D#ff0000 face=3D"">For =
detailed=20
information &amp; prices see our web=20
site:-</FONT></FONT></FONT></FONT></EM></DIV>
<DIV>&nbsp;</DIV>
<DIV><FONT color=3D#000000 size=3D2></FONT><FONT size=3D2><A=20
href=3D"http://www.standard-comms.co.uk/c510e.htm">www.standard-comms.co.=
uk/c510e.htm</A>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;=20
or</FONT></DIV>
<DIV><FONT size=3D2>telephone direct.. +44 181 236 0032</FONT></DIV>
<DIV><FONT size=3D2>fax direct.. + 44 181 236 0082&nbsp;</FONT></DIV>
<DIV><EM><FONT color=3D#0000ff face=3D"" size=3D3><FONT =
color=3D#000000><FONT=20
color=3D#800080 face=3D""=20
size=3D4></FONT></FONT></FONT></EM>&nbsp;</DIV></DIV></DIV></BODY></HTML>=


------=_NextPart_000_00E7_01BE8BFD.DF29D500--
```

```
From -7544096604183535245
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,978c5bbbac4bd715,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc8b1,978c5bbbac4bd715,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1109af,978c5bbbac4bd715,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fc2a5,978c5bbbac4bd715,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 10c2ee,978c5bbbac4bd715,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: f4535,978c5bbbac4bd715,start
X-Google-Attributes: gidf4535,public
X-Google-Thread: 108122,978c5bbbac4bd715,start
X-Google-Attributes: gid108122,public
From: arnoldg@sf.telia.no (DEMOSTENES  A. Goksoyr)
Subject: FS: Russian 6C4C (=6B4G)
Date: 1999/04/25
Message-ID: <3722bac2.376236@news1.telia.com>#1/1
X-Deja-AN: 470601278
X-NNTP-Posting-Host: t3o204p40.telia.com
Newsgroups: rec.antiques.radio+phono,rec.audio.tubes,rec.ham-
radio,rec.radio.amateur.boatanchors,rec.radio.amateur.homebrew,rec.radio.swap,rec.
radio.amateur.equipment
X-Complaints-To: abuse@telia.no
```

I have found some of these excellent 6B4G valves. 6C4C in Russia is equivalent to 6B4G and it looks identical to the old Sylvania 6B4G with double anode stapped together by a metal plate, not the type with two separate anodes. This 6C4C valves is very well built and is of high quality. It is unlike the new Sovtek 6B4G which looks more like a scaled down Sovtek 300B with a single anode.

I don't have many 6C4C left, so e-mail me if you are interested

Best regards,

Arnold Goksoyr

DEMOSTENES A. Goksoyr
N5850 Balestrand
NORWAY

Phone +47 5769 1340
Fax   +47 5769 1267
e-mail arnoldg@sf.telia.no

More than 1800 different valves in stock. Plus: sockets,
transformers, caps, resistors and books about valves and
valve equipment. Many rare European valve types.
You will find it at my homepage: http://demostenes.vestdata.no

From -2050351955881767621
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,978c5bbbac4bd715
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,978c5bbbac4bd715
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,978c5bbbac4bd715
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 10c2ee,978c5bbbac4bd715
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fc2a5,978c5bbbac4bd715
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 1109af,978c5bbbac4bd715
X-Google-Attributes: gid1109af,public
X-Google-Thread: f4535,978c5bbbac4bd715
X-Google-Attributes: gidf4535,public
From: Danny <dbelectrons@accesshub.net>
Subject: Re: FS:(=6B4G)
Date: 1999/04/25
Message-ID: <3722A2F9.F3073C98@accesshub.net>#1/1
X-Deja-AN: 471338653
Content-Transfer-Encoding: 7bit
References: <3722bac2.376236@news1.telia.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: newsabuse@remarQ.com
X-Trace: 925189037.560.33 WIQXUWMTF136AD136C usenet1.supernews.com
Organization: Posted via RemarQ Communities, Inc.
MIME-Version: 1.0
NNTP-Posting-Date: Tue, 27 Apr 1999 04:57:17 GMT
Newsgroups: rec.antiques.radio+phono,rec.audio.tubes,rec.ham-radio,rec.radio.amateur.boatanchors,rec.radio.amateur.homebrew,rec.radio.swap,rec.radio.amateur.equipment

Hi I have about twenty new old stock 6B4G in original boxes.

Danny

"DEMOSTENES A. Goksoyr" wrote:

> I have found some of these excellent 6B4G valves. 6C4C in Russia is
> equivalent to 6B4G and it looks identical to the old Sylvania 6B4G

> with double anode stapped together by a metal plate, not the type with
> two separate anodes. This 6C4C valves is very well built and is of
> high quality. It is unlike the new Sovtek 6B4G which looks more like a
> scaled down Sovtek 300B with a single anode.
> I don't have many 6C4C left, so e-mail me if you are interested
>
> Best regards,
>
> Arnold Goksoyr
>
> DEMOSTENES A. Goksoyr
> N5850 Balestrand
> NORWAY
> Phone +47 5769 1340
> Fax   +47 5769 1267
> e-mail arnoldg@sf.telia.no
>
> More than 1800 different valves in stock. Plus: sockets,
> transformers, caps, resistors and books about valves and
> valve equipment. Many rare European valve types.
> You will find it at my homepage: http://demostenes.vestdata.no

From 5743365587504386683
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,978c5bbbac4bd715
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc8b1,978c5bbbac4bd715
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1109af,978c5bbbac4bd715
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108122,978c5bbbac4bd715
X-Google-Attributes: gid108122,public
X-Google-Thread: f4535,978c5bbbac4bd715
X-Google-Attributes: gidf4535,public
X-Google-Thread: 10c2ee,978c5bbbac4bd715
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fc2a5,978c5bbbac4bd715
X-Google-Attributes: gidfc2a5,public
From: arnoldg@sf.telia.no (DEMOSTENES A. Goksoyr)
Subject: Re: FS: Russian 6C4C (=6B4G)
Date: 1999/04/26
Message-ID: <3724d2d8.1349232@news1.telia.com>#1/1
X-Deja-AN: 471202236
X-NNTP-Posting-Host: t8o204p21.telia.com
References: <3722bac2.376236@news1.telia.com> <7g2bkn$s00$1@ultra0.rdrc.rpi.edu>
Newsgroups: rec.antiques.radio+phono,rec.audio.tubes,rec.ham-radio,rec.radio.amateur.boatanchors,rec.radio.amateur.homebrew,rec.radio.swap,rec.radio.amateur.equipment
X-Complaints-To: abuse@telia.no

On 26 Apr 1999 14:35:03 -0400, randy@ultra0.rdrc.rpi.edu (Randall
Bradley) wrote:

> And the manufaturer of these Russian 6B4s is?
>
> Date?
>
> _-_-randy

I am not sure, all is written i cyrillic letters and I don't read that
very well.. A sheet with techical data is enclosed with each valve,
and the last line reads: 3 4587   03.79 THp 10 000
The 'H' in THp is not a real H, but looks a bit like H.
The valves has a rhombic logo with the number 54 inside and the
letters OTK 71 on the glassbulb. In addition to this there is the
coding 6C4C, probably a date code: 85 01 and another logo
which looks like a circle with a 'C' inside and three short paralell
lines one the left and right of the main circle.

The valves has two getters inside, looks like a saucer upside down.
The base is black, and pin 1, 4 and 6 is missing.

Regards,

Arnold Goksoyr

DEMOSTENES A. Goksoyr
N5850 Balestrand
NORWAY
Phone +47 5769 1340
Fax   +47 5769 1267
e-mail arnoldg@sf.telia.no

More than 1800 different valves in stock. Plus: sockets,
transformers, caps, resistors and books about valves and
valve equipment. Many rare European valve types.
You will find it at my homepage: http://demostenes.vestdata.no

---

From 7715950091341575073
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d6fd0bc6e22570e2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,d6fd0bc6e22570e2,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,d6fd0bc6e22570e2,start
X-Google-Attributes: gidf76e2,public
From: "Dick Wanker" <DickWanker@hotmail.com>
Subject: FS : ICOM AT-180 Autotuner
Date: 1999/04/26
Message-ID: <lp9V2.1505$n5.940@newsfeed.slurp.net>#1/1
X-Deja-AN: 471299865

```
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2014.211
X-Trace: newsfeed.slurp.net 925180625 199.234.152.205 (Mon, 26 Apr 1999 21:37:05 CDT)
X-MSMail-Priority: Normal
NNTP-Posting-Date: Mon, 26 Apr 1999 21:37:05 CDT
Newsgroups: rec.ham-radio,rec.radio.amateur.equipment,rec.ham-radio.swap
```

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=96461335

```
From 5565082508008416325
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,978c5bbbac4bd715
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,978c5bbbac4bd715
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c2ee,978c5bbbac4bd715
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 1109af,978c5bbbac4bd715
X-Google-Attributes: gid1109af,public
X-Google-Thread: fc2a5,978c5bbbac4bd715
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f4535,978c5bbbac4bd715
X-Google-Attributes: gidf4535,public
X-Google-Thread: fc8b1,978c5bbbac4bd715
X-Google-Attributes: gidfc8b1,public
From: postmaster@triodeel.com
Subject: Re: FS: Russian 6C4C (=6B4G)
Date: 1999/04/26
Message-ID: <pfbV2.1871$cq2.76582@newscene.newscene.com>#1/1
X-Deja-AN: 471334172
Sender: Ned Carlson <root@localhost.ameritech.net #kppp temp entry>
References: <3722bac2.376236@news1.telia.com> <7g2bkn$s00$1@ultra0.rdrc.rpi.edu>
Organization: Triode Electronics
User-Agent: tin/pre-1.4-980618 (UNIX) (Linux/2.0.36 (i586))
Newsgroups: rec.antiques.radio+phono,rec.audio.tubes,rec.ham-radio,rec.radio.amateur.boatanchors,rec.radio.amateur.homebrew,rec.radio.swap,rec.radio.amateur.equipment
```

On, 26 Apr 1999 14:35:03 -0400 , In rec.audio.tubes Randall Bradley
<randy@ultra0.rdrc.rpi.edu> wrote:

> And the manufaturer of these Russian 6B4s is?

It'll have a "C" logo indicating it was made by the
Svetlana factory. Only place, AFAIk, that made that style
of 6B4-G in Russia, at least in latter years.

The Russians also made 2A3's, but I've never seen one.

--
Gold plated RCA jacks, binding posts, banana plugs etc, reasonable prices..
http://www.triodeel.com/parts.htm#connector

Ned Carlson Triode Electronics "where da tubes are!"
2225 W Roscoe Chicago, IL, 60618 USA http://www.triodeel.com
ph 773-871-7459 fax 773-871-7938
12:30 to 8 PM CT, (1830-0200 UTC) 12:30-5 Sat, Closed Wed & Sun

From 5530174722128267324
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d7d87fea72c2d487,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc9bd,d7d87fea72c2d487,start
X-Google-Attributes: gidfc9bd,public
X-Google-Thread: 10c349,d7d87fea72c2d487,start
X-Google-Attributes: gid10c349,public
X-Google-Thread: 103407,d7d87fea72c2d487,start
X-Google-Attributes: gid103407,public
X-Google-Thread: 114671,d7d87fea72c2d487,start
X-Google-Attributes: gid114671,public
From: aaron <Aaron@labyrinth.net.au>
Subject: philips fm1000 programming available now!
Date: 1999/04/27
Message-ID: <37250C47.D586EBAA@labyrinth.net.au>#1/1
X-Deja-AN: 471274836
Content-Transfer-Encoding: 7bit
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
Organization: Labyrinth Connections Pty Ltd
Mime-Version: 1.0
Newsgroups: aus.electronics,aus.radio,aus.comms,aus.radio.amateur.misc,rec.ham-radio

hi all,
just a message to let you's know that i can now do fm1000 radio programming. if anyone is interested, e-mail me for more info etc...
thanks,

Aaron.

From -8282580735432494347
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,d7d87fea72c2d487
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc9bd,d7d87fea72c2d487
X-Google-Attributes: gidfc9bd,public
X-Google-Thread: 10c349,d7d87fea72c2d487
X-Google-Attributes: gid10c349,public
X-Google-Thread: 114671,d7d87fea72c2d487
X-Google-Attributes: gid114671,public
X-Google-Thread: 103407,d7d87fea72c2d487
X-Google-Attributes: gid103407,public
From: Glenn.Pure*delete_this_for_reply*@pcug.org.au (Glenn Pure)
Subject: Re: philips fm1000 programming available now!
Date: 1999/04/27
Message-ID: <3725aef8.2513202@newshost.pcug.org.au>#1/1
X-Deja-AN: 471430288
References: <37250C47.D586EBAA@labyrinth.net.au>
Newsgroups: aus.electronics,aus.radio,aus.comms,aus.radio.amateur.misc,rec.ham-
radio

What about FM900s? I have a few people who use the EPROM programmer I
designed to program these.

Cheers
Glenn

aaron <Aaron@labyrinth.net.au> wrote:

>hi all,
>        just a message to let you's know that i can now do fm1000 radio
>programming. if anyone is interested, e-mail me for more info etc...
>thanks,
>
>Aaron.
>

Glenn Pure (Glenn.Pure@pcug.org.au)
         66 Crozier Cct, Kambah ACT
                Canberra, Australia
           phone/fax +61 2 6231 6457

Web page & PGP public key at http://www.pcug.org.au/~glennpur



From -1076838043727371894
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d7d87fea72c2d487
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 103407,d7d87fea72c2d487
X-Google-Attributes: gid103407,public
X-Google-Thread: 114671,d7d87fea72c2d487
X-Google-Attributes: gid114671,public
X-Google-Thread: fc9bd,d7d87fea72c2d487
```

X-Google-Attributes: gidfc9bd,public
X-Google-Thread: 10c349,d7d87fea72c2d487
X-Google-Attributes: gid10c349,public
From: "Jan Buiting" <editors@elektor-electronics.co.uk>
Subject: Re: philips fm1000 programming available now!
Date: 1999/04/27
Message-ID: <7g4fpc$1n2i$1@beast.euro.net>#1/1
X-Deja-AN: 471468597
References: <37250C47.D586EBAA@labyrinth.net.au>
<3725aef8.2513202@newshost.pcug.org.au>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Complaints-To: abuse@euronet.nl
X-Trace: beast.euro.net 925221484 56402 194.134.29.53 (27 Apr 1999 13:58:04 GMT)
Organization: EuroNet Internet
NNTP-Posting-Date: 27 Apr 1999 13:58:04 GMT
Newsgroups: aus.electronics,aus.radio,aus.comms,aus.radio.amateur.misc,rec.ham-radio

Glenn Pure wrote in message <3725aef8.2513202@newshost.pcug.org.au>...
>What about FM900s? I have a few people who use the EPROM programmer I
>designed to program these.
>
>Cheers
>Glenn
>

For the FM900 there's FPP 3.0. Copies float around on the net. FPP 3.0 writes the radio configuration into a 'bin' (binary) file you can send to almost any EPROM programmer.
I havbe used it extensively for an FM913 and an FM906.

Also see "FM900?" posting of 18th April last in this ng.

Jan
PE1CSI
Netherlands

From 5691367494897196239
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,4284b4d5b1dae91a,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,4284b4d5b1dae91a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105955,4284b4d5b1dae91a,start
X-Google-Attributes: gid105955,public
X-Google-Thread: fa656,4284b4d5b1dae91a,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,4284b4d5b1dae91a,start
X-Google-Attributes: gid107ada,public

X-Google-Thread: 1031c8,4284b4d5b1dae91a,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,4284b4d5b1dae91a,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10ed5f,4284b4d5b1dae91a,start
X-Google-Attributes: gid10ed5f,public
From: "Bruce J. Howes KG2IC" <bhowes@buffnet.net>
Subject: FA: Huge ARRL Handbook Collection 1940s -1969
Date: 1999/04/27
Message-ID: <3725f167.0@news3.buffnet.net>#1/1
X-Deja-AN: 471535602
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2014.211
X-Trace: 27 Apr 1999 13:18:31 +0400, ucppp6.buffnet.net
Organization: Radio Station KG2IC
X-MSMail-Priority: Normal
Reply-To: "Bruce J. Howes KG2IC" <kg2ic@amsat.org>
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,att.ham-radio,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

Listed on Ebay -->
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=95964502

Collection of ARRL Handbooks, 25 issues in all. Some duplicates as noted.

Due to the number, and my desire not to pack and ship separately, I have listed as a group using the following criteria:
Scale: ->
Excellent- Near New ->
Very Good- Slight binding cracks, slight folds, binding in good shape, no tears or damage ->
Good- Normal wear for age ->
Fair- Showing some wear

1942 Very Good
1945 Fair but cover is loose
1946 Good but small tear on binding cover
1946 Good
1947 Fair
1947 Good
1947 Fair
1950 Good
1952 Very Good
1953 Very Good
1954 Very Good
1955 Very Good
1956 Very Good
1961 Good
1963 Excellent
1964 Excellent
1965 Excellent

1965 Good
1966 Good
1966 Very Good
1967 Excellent
1967 Excellent
1967 Excellent
1968 Good
1969 Good

Payment must be in Postal Money Order or certified funds received prior to shipment. Buyer pays shipping, your choice, FedEx or UPS.

Tnx!

--

73,

Bruce KG2IC

****
******
  Bruce J. Howes KG2IC   email: kg2ic@arrl.net
  East Amherst, NY 14051   web: www.buffnet.net/~bhowes
  FISTS #4164   ARMY MARS AAR2AJ
****
******

begin 666 Bruce J. Howes.vcf
<encoded_portion_removed>

From 2691772771820625423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d7d87fea72c2d487
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 103407,d7d87fea72c2d487
X-Google-Attributes: gid103407,public
X-Google-Thread: fc9bd,d7d87fea72c2d487
X-Google-Attributes: gidfc9bd,public
X-Google-Thread: 10c349,d7d87fea72c2d487
X-Google-Attributes: gid10c349,public
X-Google-Thread: 114671,d7d87fea72c2d487
X-Google-Attributes: gid114671,public
From: Glenn.Pure*delete_this_for_reply*@pcug.org.au (Glenn Pure)
Subject: Re: philips fm1000 programming available now!
Date: 1999/04/28
Message-ID: <3726fcb4.7079385@newshost.pcug.org.au>#1/1
X-Deja-AN: 471841684

```
References: <37250C47.D586EBAA@labyrinth.net.au>
<3725aef8.2513202@newshost.pcug.org.au> <7g4fpc$1n2i$1@beast.euro.net>
Newsgroups: aus.electronics,aus.radio,aus.comms,aus.radio.amateur.misc,rec.ham-
radio

Two questions. Does the bin file created by FPP simply get written
straight to the EPROM with no intervening steps (presumably starting
at address 0 in the PROM)?

I couldn't find the FM900 posting. Did you mean April 1998? If so,
where can I get the archive?

Cheers
Glenn

"Jan Buiting" <editors@elektor-electronics.co.uk> wrote:

>Glenn Pure wrote in message <3725aef8.2513202@newshost.pcug.org.au>...
>>What about FM900s? I have a few people who use the EPROM programmer I
>>designed to program these.
>>
>>Cheers
>>Glenn
>>
>
>For the FM900 there's FPP 3.0. Copies float around on the net. FPP 3.0
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>almost any EPROM programmer.
>I havbe used it extensively for an FM913 and an FM906.
>
>Also see "FM900?" posting of 18th April last in this ng.
>
>Jan
>PE1CSI
>Netherlands
>
>

Glenn Pure (Glenn.Pure@pcug.org.au)
         66 Crozier Cct, Kambah ACT
                Canberra, Australia
           phone/fax +61 2 6231 6457

Web page & PGP public key at http://www.pcug.org.au/~glennpur



From -8721721502355860889
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3de845dc12a9cb3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,d3de845dc12a9cb3,start
X-Google-Attributes: gid114aac,public
```

X-Google-Thread: 108122,d3de845dc12a9cb3,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c2ee,d3de845dc12a9cb3,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fc8b1,d3de845dc12a9cb3,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f4535,d3de845dc12a9cb3,start
X-Google-Attributes: gidf4535,public
X-Google-Thread: fc2a5,d3de845dc12a9cb3,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 1109af,d3de845dc12a9cb3,start
X-Google-Attributes: gid1109af,public
From: arnoldg@sf.telia.no (DEMOSTENES A. Goksoyr)
Subject: FS: E810F/7788
Date: 1999/05/01
Message-ID: <372b5e18.10923154@news1.telia.com>#1/1
X-Deja-AN: 472972738
X-NNTP-Posting-Host: t7o204p57.telia.com
Newsgroups: rec.antiques.radio+phono,rec.audio.tubes,rec.ham-radio,rec.radio.amateur.boatanchors,rec.radio.amateur.homebrew,rec.radio.shortwave,rec.radio.swap,rec.radio.amateur.equipment
X-Complaints-To: abuse@telia.no

Hi,

E810F Siemens and some Mullard for sale. All NOS and NIB. The Siemens are even in sealed boxes. Also E80CC, E80F, E83F, E182CC, E180F/6688, E280F and E282F in stock. Also Telefunken EF 804 NOS, NIB.
Please e-mail me or visit my homepage for details.

Best regards,

Arnold Goksoyr

DEMOSTENES A. Goksoyr
N5850 Balestrand
NORWAY
Phone +47 5769 1340
Fax   +47 5769 1267
e-mail arnoldg@sf.telia.no

More than 1800 different valves in stock. Plus: sockets, transformers, caps, resistors and books about valves and valve equipment. Many rare European valve types.
You will find it at my homepage: http://demostenes.vestdata.no

---

From -1867668807859834337
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd57315ab272a0a7,start
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 108122,dd57315ab272a0a7,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,dd57315ab272a0a7,start
X-Google-Attributes: gid108778,public
X-Google-Thread: f64c6,dd57315ab272a0a7,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: f55c2,dd57315ab272a0a7,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fb049,dd57315ab272a0a7,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa656,dd57315ab272a0a7,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1109af,dd57315ab272a0a7,start
X-Google-Attributes: gid1109af,public
From: "Pilot" <iden1000@hotmail.com>
Subject: need help!! VX-5R , VX-1R or FT-50
Date: 1999/05/04
Message-ID: <lOwX2.10501$Ss1.2298634@news1.rdc1.on.wave.home.com>#1/1
X-Deja-AN: 473808808
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2014.211
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.on.wave.home.com 925800721 24.65.42.196 (Mon, 03 May 1999 23:52:01 PDT)
Organization: @Home Network Canada
X-MSMail-Priority: Normal
NNTP-Posting-Date: Mon, 03 May 1999 23:52:01 PDT
Newsgroups: alt.ham-radio.mods,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.swap,uk.radio.amateur

Hi! I'm thinking to buy a new HT with wide RX range? and can be mods to tx
from 430-470MHZ, Any suggestion? Thanks!!

73,
Va3sdu

From -2341704778358439048
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cfbf071f4edddc3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cfbf071f4edddc3,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,9cfbf071f4edddc3,start
X-Google-Attributes: gid108778,public
X-Google-Thread: f64c6,9cfbf071f4edddc3,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fa656,9cfbf071f4edddc3,start
X-Google-Attributes: gidfa656,public

X-Google-Thread: fb049,9cfbf071f4edddc3,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f55c2,9cfbf071f4edddc3,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 10ed5f,9cfbf071f4edddc3,start
X-Google-Attributes: gid10ed5f,public
From: "Pilot" <iden1000@hotmail.com>
Subject: Any Comment on Icom IC-Q7A
Date: 1999/05/04
Message-ID: <AHxX2.6$vk3.2873@news1.rdc1.on.wave.home.com>#1/1
X-Deja-AN: 473821071
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2014.211
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.on.wave.home.com 925804384 24.65.42.196 (Tue, 04 May 1999 00:53:04 PDT)
Organization: @Home Network Canada
X-MSMail-Priority: Normal
NNTP-Posting-Date: Tue, 04 May 1999 00:53:04 PDT
Newsgroups: alt.ham-radio,alt.ham-radio.mods,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,uk.radio.amateur

Hi! My friend is going to get a ICOM IC-Q7A, Any comment on it? Thanks

73,
Va3sdu

From 8608642223804957100
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc5d3c51754e4040,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,cc5d3c51754e4040,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,cc5d3c51754e4040,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108778,cc5d3c51754e4040,start
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,cc5d3c51754e4040,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1109af,cc5d3c51754e4040,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,cc5d3c51754e4040,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fb049,cc5d3c51754e4040,start
X-Google-Attributes: gidfb049,public
From: "Pilot" <iden1000@hotmail.com>
Subject: WTB: CTCSS CTN520 Unit for Standard C528
Date: 1999/05/04

Message-ID: <jJBX2.444$vk3.82244@news1.rdc1.on.wave.home.com>#1/1
X-Deja-AN: 473888786
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2014.211
X-Complaints-To: abuse@home.net
X-Trace: news1.rdc1.on.wave.home.com 925820879 24.65.42.196 (Tue, 04 May 1999 05:27:59 PDT)
Organization: @Home Network Canada
X-MSMail-Priority: Normal
NNTP-Posting-Date: Tue, 04 May 1999 05:27:59 PDT
Newsgroups: alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

looking for a CTCSS(Tone Squelch) Unit CTN520 for Standard C528
iden1000@hotmail.com

From 3337095915384862634
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cfbf071f4edddc3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,9cfbf071f4edddc3
X-Google-Attributes: gid108778,public
X-Google-Thread: f64c6,9cfbf071f4edddc3
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 10ed5f,9cfbf071f4edddc3
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,9cfbf071f4edddc3
X-Google-Attributes: gidfb049,public
X-Google-Thread: f55c2,9cfbf071f4edddc3
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 108122,9cfbf071f4edddc3
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,9cfbf071f4edddc3
X-Google-Attributes: gidfa656,public
From: "Steve P" <speterson@ntsource.com>
Subject: Re: Any Comment on Icom IC-Q7A
Date: 1999/05/04
Message-ID: <g5JX2.1336$Fq2.3483@newsfeed.slurp.net>#1/1
X-Deja-AN: 474052003
References: <AHxX2.6$vk3.2873@news1.rdc1.on.wave.home.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Trace: newsfeed.slurp.net 925851084 208.223.117.30 (Tue, 04 May 1999 15:51:24 CDT)
NNTP-Posting-Date: Tue, 04 May 1999 15:51:24 CDT
Newsgroups: alt.ham-radio,alt.ham-radio.mods,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,uk.radio.amateur

Pilot wrote in message ...
>Hi! My friend is going to get a ICOM IC-Q7A, Any comment on it? Thanks
>
>73,
>Va3sdu
>
>
Buy it.
73 de KB9TCD

From 7516062303591132199
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd57315ab272a0a7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f55c2,dd57315ab272a0a7
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 1109af,dd57315ab272a0a7
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108778,dd57315ab272a0a7
X-Google-Attributes: gid108778,public
X-Google-Thread: f64c6,dd57315ab272a0a7
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 108122,dd57315ab272a0a7
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,dd57315ab272a0a7
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb049,dd57315ab272a0a7
X-Google-Attributes: gidfb049,public
From: "Jeff Kamen" <n1xui@snet.net>
Subject: Re: need help!! VX-5R , VX-1R or FT-50
Date: 1999/05/04
Message-ID: <7goae7$c00@news1.snet.net>#1/1
X-Deja-AN: 474165397
References: <lOwX2.10501$Ss1.2298634@news1.rdc1.on.wave.home.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2014.211
Organization: "SNET dial access service"
X-MSMail-Priority: Normal
Newsgroups: alt.ham-radio.mods,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.swap,uk.radio.amateur

all three can do be modified to do MARS/CAP. All are nice radios too. You must decide on which features you want the most. The VX-1R only does 1/2 watt on battery, the 5R and 50R do 5 watts. The 5R has 6 meters, the 50 doesn't.

Jeff

Pilot <iden1000@hotmail.com> wrote in message
news:lOwX2.10501$Ss1.2298634@news1.rdc1.on.wave.home.com...
> Hi! I'm thinking to buy a new HT with wide RX range? and can be mods to tx
> from 430-470MHZ, Any suggestion? Thanks!!
>
> 73,
> Va3sdu
>
>

From 6465985601589066517
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc5d3c51754e4040
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,cc5d3c51754e4040
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,cc5d3c51754e4040
X-Google-Attributes: gid1109af,public
X-Google-Thread: fb049,cc5d3c51754e4040
X-Google-Attributes: gidfb049,public
X-Google-Thread: 108778,cc5d3c51754e4040
X-Google-Attributes: gid108778,public
X-Google-Thread: 1031c8,cc5d3c51754e4040
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 107ada,cc5d3c51754e4040
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,cc5d3c51754e4040
X-Google-Attributes: gidfa656,public
From: Dan <kd4lyp@webdeals.net>
Subject: Site updated (Scanners+Ham+Metal detecting)
Date: 1999/05/06
Message-ID: <373170A9.551D@webdeals.net>#1/1
X-Deja-AN: 474976607
Content-Transfer-Encoding: 7bit
References: <jJBX2.444$vk3.82244@news1.rdc1.on.wave.home.com>
Content-Type: text/plain; charset=us-ascii
Organization: http://www.webdeals.net
Mime-Version: 1.0
Reply-To: kd4lyp@webdeals.net
Newsgroups: alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

I added a few things to my site...I got some new toys and love to show
them off.
Icom PCR-100
Pro-2037

Pro-70
And I got back into the metal detecting hobby with a White's Eagle Spectrum.

I also added a FCC band plan page and a feedback page.

Wear it out!

--
http://www.webdeals.net/kd4lyp.htm
KD4LYP's ham radio and scanner page!
East Tennessee info.

```
From -5759383884394175477
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,fb3d83907ea9e306,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,fb3d83907ea9e306,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,fb3d83907ea9e306,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fc9bd,fb3d83907ea9e306,start
X-Google-Attributes: gidfc9bd,public
X-Google-Thread: 10c349,fb3d83907ea9e306,start
X-Google-Attributes: gid10c349,public
X-Google-Thread: f76e2,fb3d83907ea9e306,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114671,fb3d83907ea9e306,start
X-Google-Attributes: gid114671,public
X-Google-Thread: fb049,fb3d83907ea9e306,start
X-Google-Attributes: gidfb049,public
From: aaron <Aaron@labyrinth.net.au>
Subject: fm900 parts for sale!
Date: 1999/05/07
Message-ID: <37322E55.A3431B4@labyrinth.net.au>#1/1
X-Deja-AN: 474953872
Content-Transfer-Encoding: 7bit
To: "fm900 reflector site! all the fm900 guru's!" <FM900@onelist.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
Organization: Labyrinth Connections Pty Ltd
Mime-Version: 1.0
Newsgroups: aus.radio,aus.radio.amateur.misc,aus.comms,rec.ham-radio.swap,rec.ham-radio,uk.radio.amateur,alt.ham-radio.marketplace,alt.ham-radio.vhf-uhf
```

g'day all,

if anyone is looking for parts for the philips fm900 series radio's that are no longer available from philips (simoco), then e-mail me. i have a large range of secondhand and some new parts that are no longer available, aswell as some that are still available, but cheaper! e-mail me with a list of the parts you need, and how many of each and

i'll e-mail you prices and contact information. all parts come with
warranty, and are garaunteed to be in working order. thanks,

Aaron.

From -102797200471145572
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,fb3d83907ea9e306
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,fb3d83907ea9e306
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,fb3d83907ea9e306
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10c349,fb3d83907ea9e306
X-Google-Attributes: gid10c349,public
X-Google-Thread: f64c6,fb3d83907ea9e306
X-Google-Attributes: gidf64c6,public
X-Google-Thread: f76e2,fb3d83907ea9e306
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc9bd,fb3d83907ea9e306
X-Google-Attributes: gidfc9bd,public
X-Google-Thread: 114671,fb3d83907ea9e306
X-Google-Attributes: gid114671,public
From: aaron <Aaron@labyrinth.net.au>
Subject: i can program fm1000's!
Date: 1999/05/07
Message-ID: <37322F08.56918944@labyrinth.net.au>#1/1
X-Deja-AN: 474959309
Content-Transfer-Encoding: 7bit
References: <37322E55.A3431B4@labyrinth.net.au>
To: "fm900 reflector site! all the fm900 guru's!" <FM900@onelist.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
Organization: Labyrinth Connections Pty Ltd
Mime-Version: 1.0
Newsgroups: aus.radio,aus.radio.amateur.misc,aus.comms,rec.ham-radio.swap,rec.ham-radio,uk.radio.amateur,alt.ham-radio.marketplace,alt.ham-radio.vhf-uhf

anyone need an fm1000 programmed? i have a handheld programmer, so if
anyone needs one done, send me an e-mail! thanks,
Aaron.

From 2088628674748707674
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fc734,beb19da8dc54eea8,start
X-Google-Attributes: gidfc734,public
X-Google-Thread: 10c9e3,beb19da8dc54eea8,start

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,beb19da8dc54eea8,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f4306,b8d5f2447f4ae1ed
X-Google-Attributes: gidf4306,public
From: "Peter Whittle (G4BBU)" <g4bbu@whittle-systems.demon.co.uk>
Subject: Re: Connecting to the Internet via radio ??
Date: 1999/05/11
Message-ID: <ZQtXKDAtVKO3EwXr@whittle-systems.demon.co.uk>#1/1
X-Deja-AN: 476755840
X-NNTP-Posting-Host: whittle-systems.demon.co.uk:212.228.18.2
References: <mute-1005992025080001@news.dircon.co.uk>
X-Complaints-To: abuse@demon.net
X-Trace: news.demon.co.uk 926459459 nnrp-01:3255 NO-IDENT whittle-systems.demon.co.uk:212.228.18.2
Organization: Whittle Systems
MIME-Version: 1.0
Newsgroups: alt.ham-radio.packet,alt.ham-radio.ssb,rec.ham-radio,rec.ham-radio.packet

Yes in principle it is quite possible to send and receive email over HF or VHF radio, the problem is the available data rates.

Imagine connecting to your ISP at only 300 bits/S! But it is worse than that, consider that you and 10 other people are trying to share the same noisy, 300 bps link. That is TCP/IP over HF radio.

If you can get more bandwidth on the radio signal then in principle you can send faster. On VHF things are a little different in that wider bandwidths are more readily available but performance is typically limited to 9.6 Kb/S, still not brilliant but almost workable for short text messages.

If you are prepared to move up to UHF or better still Microwaves then you can begin to approach realistic data rates but then the range is very limited perhaps only a few 10s of miles point to point.

BTW if you want to do this then you will require a transmitter licence. I suggest that you take look at the ARRL or RSGB pages for general information on Amateur radio and possibly the TAPR pages for more information on packet radio systems.

www.arrl.org
www.rsgb.org
www.tapr.org

There is a book by Ian Wade 'NOSintro' ISBN 1-897649-00-2 that explains some of the principles, what you need and how to configure KA9Q's TCP/IP package for use over radio links.

Of course if you want to do it on a commercial basis then that is an entirely different story.

Hope this helps

Peter G4BBU

In article <mute-1005992025080001@news.dircon.co.uk>, Rory Moles
<mute@spiced-ham.dircon.co.uk> writes
>Is it possible to send and receive internet email using a marine SSB or
>VHF radio connected to a PC ? Where would be a good place to start finding
>out about the hardware/software costs involved? I happened to read the
>KA9Q user guide and read of TCP/IP connectivity via radio, but can't
>figure out whether AMPRNET has a gateway to the internet. I have a very
>basic knowledge of TCP/IP, zero knowledge of radio, and very basic
>knowledge of DOS.
>

--
Peter Whittle (G4BBU)

From 4300375333888772774
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,fb3d83907ea9e306
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,fb3d83907ea9e306
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,fb3d83907ea9e306
X-Google-Attributes: gidfb049,public
X-Google-Thread: 114671,fb3d83907ea9e306
X-Google-Attributes: gid114671,public
X-Google-Thread: f64c6,fb3d83907ea9e306
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 10c349,fb3d83907ea9e306
X-Google-Attributes: gid10c349,public
X-Google-Thread: fc9bd,fb3d83907ea9e306
X-Google-Attributes: gidfc9bd,public
X-Google-Thread: f76e2,fb3d83907ea9e306
X-Google-Attributes: gidf76e2,public
From: aaron <Aaron@labyrinth.net.au>
Subject: philips fm900 parts for sale!
Date: 1999/05/12
Message-ID: <37397474.B3BAA75B@labyrinth.net.au>#1/1
X-Deja-AN: 476985714
Content-Transfer-Encoding: 7bit
References: <37322E55.A3431B4@labyrinth.net.au>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
Organization: Labyrinth Connections Pty Ltd
Mime-Version: 1.0
Newsgroups: aus.radio,aus.radio.amateur.misc,aus.comms,rec.ham-radio.swap,rec.ham-radio,uk.radio.amateur,alt.ham-radio.marketplace,alt.ham-radio.vhf-uhf

> g'day all,

> if anyone is looking for parts for the philips fm900 series
> radio's that are no longer available from philips (simoco), then e-mail
> me. i have a large range of secondhand and some new parts that are no
> longer available, aswell as some that are still available, but cheaper!
> e-mail me with a list of the parts you need, and how many of each and
> i'll e-mail you prices and contact information. all parts come with
> warranty, and are garaunteed to be in working order. thanks,
>
> Aaron.

From -8154057316982029575
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fc734,beb19da8dc54eea8
X-Google-Attributes: gidfc734,public
X-Google-Thread: 10c9e3,beb19da8dc54eea8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f4306,b8d5f2447f4ae1ed
X-Google-Attributes: gidf4306,public
X-Google-Thread: fddbf,beb19da8dc54eea8
X-Google-Attributes: gidfddbf,public
From: Christopher W. Buckley <cwbuckle@mtu.edu>
Subject: Re: Connecting to the Internet via radio ??
Date: 1999/05/12
Message-ID: <7hc601$pva$1@campus1.mtu.edu>#1/1
X-Deja-AN: 477040515
Content-Transfer-Encoding: 8bit
References: <mute-1005992025080001@news.dircon.co.uk>
Organization: Michigan Technological University
Content-Type: text/plain; charset=US-ASCII
Mime-Version: 1.0
Newsgroups: alt.ham-radio.packet,alt.ham-radio.ssb,rec.ham-radio,rec.ham-radio.packet

Depending on where you are, there are qutie a few BBS systems on 2m that have internet links to them at some point. If you use a TNC using AX.25, the BBS will provide the link to the TCP/IP network.

Check with your local sysops.

On Mon, 10 May 1999 20:25:08 +0100 , Rory spewed forth to alt.ham-radio.packet:
:RM>Is it possible to send and receive internet email using a marine SSB or
:RM>VHF radio connected to a PC ? Where would be a good place to start finding
:RM>out about the hardware/software costs involved? I happened to read the
:RM>KA9Q user guide and read of TCP/IP connectivity via radio, but can't
:RM>figure out whether AMPRNET has a gateway to the internet. I have a very
:RM>basic knowledge of TCP/IP, zero knowledge of radio, and very basic
:RM>knowledge of DOS.

:RM>--

:RM>Rory Moles <mute@spiced-ham.dircon.co.uk>
:RM>remove spam-killer from return address before reply.

--
----   ----   ----   ----   ----   ----
Chris Buckley -- KC0DBY
Vice President / Treasurer Elect
Husky Amateur Radio Club -- W8YY (906)487-1303
Computational Mathematics Consultant
MTU Math Science Department (906)487-3406
Electrical Engineering Undergraduate
Michigan Technological University
cwbuckle@mtu.edu @ Da House -- (906)487-6996
----   ----   ----   ----   ----   ----

Long live Microsoft.
(This is not sarcasm)

From 8607766439619281691
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fc734,beb19da8dc54eea8
X-Google-Attributes: gidfc734,public
X-Google-Thread: 10c9e3,beb19da8dc54eea8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f4306,b8d5f2447f4ae1ed
X-Google-Attributes: gidf4306,public
X-Google-Thread: fddbf,beb19da8dc54eea8
X-Google-Attributes: gidfddbf,public
From: Patricia Gibbons <wa6ube@ix.netcom.com>
Subject: Re: Connecting to the Internet via radio ??
Date: 1999/05/12
Message-ID: <3739D731.B0E@ix.netcom.com>#1/1
X-Deja-AN: 477124936
Content-Transfer-Encoding: 7bit
References: <mute-1005992025080001@news.dircon.co.uk>
To: Rory Moles <mute@spiced-ham.dircon.co.uk>
Content-Type: text/plain; charset=us-ascii
Organization: City of San Jose - ITD Communications
X-NETCOM-Date: Wed May 12 12:35:25 PM PDT 1999
Mime-Version: 1.0
Reply-To: wa6ube@ix.netcom.com
Newsgroups: alt.ham-radio.packet,alt.ham-radio.ssb,rec.ham-radio,rec.ham-radio.packet

Here is a website devoted to internet connectivity via
HF radio. We are really talking here about COMMERCIAL services
and not just amateur radio.

<http://www.nsrc.org/wireless/HF-radio.html>

8-ary modems of the type used for automatic link establishment

(ALE) also improves HF-internet performance.

Trish

Rory Moles wrote:
>
> Is it possible to send and receive internet email using a marine SSB or
> VHF radio connected to a PC ? Where would be a good place to start finding
> out about the hardware/software costs involved? I happened to read the
> KA9Q user guide and read of TCP/IP connectivity via radio, but can't
> figure out whether AMPRNET has a gateway to the internet. I have a very
> basic knowledge of TCP/IP, zero knowledge of radio, and very basic
> knowledge of DOS.
>
> --
> Rory Moles <mute@spiced-ham.dircon.co.uk>
> remove spam-killer from return address before reply.

--

Patricia E. Gibbons
Acting Chief Communications Technician
City of San Jose - ITD/communications
....
My Public Key is available at:
<http://pgp5.ai.mit.edu/pks-commands.html>
Key ID: 0xEDECB44F
This key is RSA, NOT Diffie-Hellman !!

```
From -8192287387078922169
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55e871f7cb5e6411,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,55e871f7cb5e6411,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10b7d3,55e871f7cb5e6411,start
X-Google-Attributes: gid10b7d3,public
X-Google-Thread: 107ada,55e871f7cb5e6411,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,55e871f7cb5e6411,start
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 109e18,55e871f7cb5e6411,start
X-Google-Attributes: gid109e18,public
X-Google-Thread: 10f299,55e871f7cb5e6411,start
X-Google-Attributes: gid10f299,public
X-Google-Thread: fcc6e,55e871f7cb5e6411,start
X-Google-Attributes: gidfcc6e,public
From: "Jeffrey M. Swiger" <N8NOE@Ameritech.Net>
Subject: HELP..WinCE, Paket, Tracking????.......
Date: 1999/05/13
Message-ID: <373A6C80.146E1193@Ameritech.Net>#1/1
```

```
X-Deja-AN: 477312678
Content-Transfer-Encoding: 7bit
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: nntp0.detroit.mi.ameritech.net 926575998 199.179.188.30 (Thu, 13 May 1999
02:13:18 EDT)
Organization: *** N8NOE ***
MIME-Version: 1.0
NNTP-Posting-Date: Thu, 13 May 1999 02:13:18 EDT
Newsgroups:
rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.policy,rec.ha
m-
radio,rec.radio.amateur.antenna,alt.comp.sys.palmtops.hp,comp.sys.palmtops,comp.os
.ms-windows.ce,microsoft.public.windowsce

Does anyone have any idea where I might find at least a "Terminal
Program" for CE that will allow for connecting to a PK-88 for Paket
opperations? I'd also like to use my HP620LX for tracking, so Tracking
software would be a plus.. You figure with all the CE units that are out
there, someone with the know how, would think of us HAMS..Hope to see
Ya'll at DAYTON.....
73, Have fun! Enjoy Radio, Big brother might take it to...???...
--
" What A LONG Strange Trip It's Been! "
                 Jeffrey M. Swiger
                 *** N8NOE ***
```

```
From -4135186425513361013
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a92764965e655352,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a92764965e655352,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,a92764965e655352,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10b7d3,a92764965e655352,start
X-Google-Attributes: gid10b7d3,public
X-Google-Thread: 109e18,a92764965e655352,start
X-Google-Attributes: gid109e18,public
X-Google-Thread: 10f299,a92764965e655352,start
X-Google-Attributes: gid10f299,public
X-Google-Thread: fcc6e,a92764965e655352,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 10bf43,a92764965e655352,start
X-Google-Attributes: gid10bf43,public
From: "Jeffrey M. Swiger" <N8NOE@Ameritech.Net>
Subject: HELP-HAM..WinCE, Paket, Tracking????.......
Date: 1999/05/13
Message-ID: <373A78E8.FBFCADB@Ameritech.Net>#1/1
```

X-Deja-AN: 477324218
Content-Transfer-Encoding: 7bit
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: nntp0.detroit.mi.ameritech.net 926579173 199.179.188.30 (Thu, 13 May 1999 03:06:13 EDT)
Organization: *** N8NOE ***
MIME-Version: 1.0
NNTP-Posting-Date: Thu, 13 May 1999 03:06:13 EDT
Newsgroups:
rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.policy,rec.ham-radio,rec.radio.amateur.antenna,alt.comp.sys.palmtops.hp,comp.sys.palmtops,comp.os.ms-windows.ce,microsoft.public.windowsce,rec.radio.amateur.digital.misc

Does anyone have any idea where I might find at least a "Terminal Program" for CE that will allow for connecting to a PK-88 for Paket opperations? I'd also like to use my HP620LX for tracking, so Tracking software would be a plus.. You figure with all the CE units that are out there, someone with the know how, would think of us HAMS..Hope to see Ya'll at DAYTON.....
73, Have fun! Enjoy Radio, Big brother might take it to...???...
--
" What A LONG Strange Trip It's Been! "
Jeffrey M. Swiger
*** N8NOE ***

From -5205335763851866656
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a92764965e655352
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a92764965e655352
X-Google-Attributes: gid108122,public
X-Google-Thread: 109e18,a92764965e655352
X-Google-Attributes: gid109e18,public
X-Google-Thread: 10b7d3,a92764965e655352
X-Google-Attributes: gid10b7d3,public
X-Google-Thread: 10bf43,a92764965e655352
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 10f299,a92764965e655352
X-Google-Attributes: gid10f299,public
X-Google-Thread: fcc6e,a92764965e655352
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 107ada,a92764965e655352
X-Google-Attributes: gid107ada,public
From: "Bubba" <nunya@nazstarnet.com>
Subject: Re: HELP-HAM..WinCE, Paket, Tracking????.......
Date: 1999/05/13
Message-ID: <926626508.266.60@news.remarQ.com>#1/1
X-Deja-AN: 477545266
References: <373A78E8.FBFCADB@Ameritech.Net>

X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Complaints-To: newsabuse@remarQ.com
X-Trace: 926626508.266.60 U5TWJAOXS09BEA9C5C qube-02.us-ca.remarq.com
Organization: Posted via RemarQ Communities, Inc.
NNTP-Posting-Date: Thu, 13 May 1999 20:15:08 GMT
Newsgroups:
rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.policy,rec.ham-radio,rec.radio.amateur.antenna,alt.comp.sys.palmtops.hp,comp.sys.palmtops,comp.os.ms-windows.ce,microsoft.public.windowsce,rec.radio.amateur.digital.misc

The built in terminal program should work for packet operation with your
PK-88. Here's link on how to set it up...

http://www.qsl.net/kc7gnm/packet_hpc.html

Good luck,
Jon/KC5MOP

Jeffrey M. Swiger wrote in message <373A78E8.FBFCADB@Ameritech.Net>...
>Does anyone have any idea where I might find at least a "Terminal
>Program" for CE that will allow for connecting to a PK-88 for Paket
>opperations? I'd also like to use my HP620LX for tracking, so Tracking
>software would be a plus.. You figure with all the CE units that are out
>there, someone with the know how, would think of us HAMS..Hope to see
>Ya'll at DAYTON.....
>73, Have fun! Enjoy Radio, Big brother might take it to...???...
>--
>" What A LONG Strange Trip It's Been! "
>   Jeffrey M. Swiger
>   *** N8NOE ***

From -2697147487937350335
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a92764965e655352
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a92764965e655352
X-Google-Attributes: gid108122,public
X-Google-Thread: 10b7d3,a92764965e655352
X-Google-Attributes: gid10b7d3,public
X-Google-Thread: 109e18,a92764965e655352
X-Google-Attributes: gid109e18,public
X-Google-Thread: 10bf43,a92764965e655352
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,a92764965e655352
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,a92764965e655352
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 10f299,a92764965e655352

```
X-Google-Attributes: gid10f299,public
From: "Jeff McLeman" <jeffmcleman@hotmail.com>
Subject: Re: HELP-HAM..WinCE, Paket, Tracking????.......
Date: 1999/05/13
Message-ID: <7hff5u$kl4$1@brokaw.wa.com>#1/1
X-Deja-AN: 477568573
References: <373A78E8.FBFCADB@Ameritech.Net> <926626508.266.60@news.remarQ.com>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2014.211
Organization: WinStar NorthWest Nexus
X-MSMail-Priority: Normal
Newsgroups:
rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.policy,rec.ha
m-
radio,rec.radio.amateur.antenna,alt.comp.sys.palmtops.hp,comp.sys.palmtops,comp.os
.ms-windows.ce,microsoft.public.windowsce,rec.radio.amateur.digital.misc

What kind of tracking? WinAPRS for Windows CE will be coming around soon, so
if you are into APRS (Automatic Position Reporting System),
then wait a bit for WinAPRS for Windows CE.

Jeff

Bubba <nunya@nazstarnet.com> wrote in message
news:926626508.266.60@news.remarQ.com...
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> PK-88. Here's link on how to set it up...
>
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>
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> Jon/KC5MOP
>
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> >opperations? I'd also like to use my HP620LX for tracking, so Tracking
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> >there, someone with the know how, would think of us HAMS..Hope to see
> >Ya'll at DAYTON.....
> >73, Have fun! Enjoy Radio, Big brother might take it to...???...
> >--
> >" What A LONG Strange Trip It's Been! "
> >                  Jeffrey M. Swiger
> >                  *** N8NOE ***
>
>



From -5987520304484746737
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a92764965e655352
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10b7d3,a92764965e655352
X-Google-Attributes: gid10b7d3,public
X-Google-Thread: 108122,a92764965e655352
X-Google-Attributes: gid108122,public
X-Google-Thread: 109e18,a92764965e655352
X-Google-Attributes: gid109e18,public
X-Google-Thread: 10bf43,a92764965e655352
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,a92764965e655352
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10f299,a92764965e655352
X-Google-Attributes: gid10f299,public
X-Google-Thread: fcc6e,a92764965e655352
X-Google-Attributes: gidfcc6e,public
From: "Jeffrey M. Swiger" <N8NOE@Ameritech.Net>
Subject: Re: HELP-HAM..WinCE, Paket, Tracking????.......
Date: 1999/05/14
Message-ID: <373BCBAF.F914CB5B@Ameritech.Net>#1/1
X-Deja-AN: 477721244
Content-Transfer-Encoding: 7bit
References: <373A78E8.FBFCADB@Ameritech.Net> <926626508.266.60@news.remarQ.com> <7hff5u$kl4$1@brokaw.wa.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: nntp0.detroit.mi.ameritech.net 926665904 199.179.188.223 (Fri, 14 May 1999 03:11:44 EDT)
Organization: *** N8NOE ***
MIME-Version: 1.0
NNTP-Posting-Date: Fri, 14 May 1999 03:11:44 EDT
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.policy,rec.ham-radio,rec.radio.amateur.antenna,alt.comp.sys.palmtops.hp,comp.sys.palmtops,comp.os.ms-windows.ce,microsoft.public.windowsce,rec.radio.amateur.digital.misc

When this comes out, I"d be MORE than interested... PLEASE let me know? The terminal in CE don't talk and this CE unit is a pile! I'm not happy with CE, But if I can use the HP620LX for Somthing.... Let me know about the APRS!!!...
Thanks, Jeff-N8NOE

Jeff McLeman wrote:

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> Jeff
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> news:926626508.266.60@news.remarQ.com...

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> > The built in terminal program should work for packet operation with your
> > PK-88. Here's link on how to set it up...
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> > >Ya'll at DAYTON.....
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> > >" What A LONG Strange Trip It's Been! "
> > >                 Jeffrey M. Swiger
> > >                 *** N8NOE ***
> >
> >

--
" What A LONG Strange Trip It's Been! "
                 Jeffrey M. Swiger
                 *** N8NOE ***





From 3211315197566870022
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a92764965e655352
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,a92764965e655352
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,a92764965e655352
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 108122,a92764965e655352
X-Google-Attributes: gid108122,public
X-Google-Thread: 109e18,a92764965e655352
X-Google-Attributes: gid109e18,public
X-Google-Thread: 10b7d3,a92764965e655352
X-Google-Attributes: gid10b7d3,public
X-Google-Thread: fcc6e,a92764965e655352
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 10f299,a92764965e655352
X-Google-Attributes: gid10f299,public
From: "Jeff McLeman" <jeffmcleman@hotmail.com>
Subject: Re: HELP-HAM..WinCE, Paket, Tracking????.......
Date: 1999/05/14
```

Message-ID: <7hi759$9d5$1@brokaw.wa.com>#1/1
X-Deja-AN: 477976135
References: <373A78E8.FBFCADB@Ameritech.Net> <926626508.266.60@news.remarQ.com>
<7hff5u$kl4$1@brokaw.wa.com> <373BCBAF.F914CB5B@Ameritech.Net>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2014.211
Organization: WinStar NorthWest Nexus
X-MSMail-Priority: Normal
Newsgroups:
rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.policy,rec.ham-radio,rec.radio.amateur.antenna,alt.comp.sys.palmtops.hp,comp.sys.palmtops,comp.os.ms-windows.ce,microsoft.public.windowsce,rec.radio.amateur.digital.misc

You need to get on the APRS reflector at www.tapr.org to watch for the
announcement.

As fas as the terminal inside CE, it works fine with my PK88 and KAM
controllers.

Jeff

Jeffrey M. Swiger <N8NOE@Ameritech.Net> wrote in message
news:373BCBAF.F914CB5B@Ameritech.Net...
> When this comes out, I"d be MORE than interested... PLEASE let me know?
The
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CE, But
> if I can use the HP620LX for Somthing.... Let me know about the APRS!!!...
> Thanks, Jeff-N8NOE
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> >
> > Jeff
> >
> > Bubba <nunya@nazstarnet.com> wrote in message
> > news:926626508.266.60@news.remarQ.com...
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> > > PK-88. Here's link on how to set it up...
> > >
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> > >
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out
> > > >there, someone with the know how, would think of us HAMS..Hope to see
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> > > >73, Have fun! Enjoy Radio, Big brother might take it to...???...
> > > >--
> > > >" What A LONG Strange Trip It's Been! "
> > > >                 Jeffrey M. Swiger
> > > >                 *** N8NOE ***
> > >
> > >
>
> --
> " What A LONG Strange Trip It's Been! "
>                   Jeffrey M. Swiger
>                   *** N8NOE ***
>
>
>
```

```
From -3922391429957426066
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,beb19da8dc54eea8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc734,beb19da8dc54eea8
X-Google-Attributes: gidfc734,public
X-Google-Thread: f4306,b8d5f2447f4ae1ed
X-Google-Attributes: gidf4306,public
X-Google-Thread: fddbf,beb19da8dc54eea8
X-Google-Attributes: gidfddbf,public
From: "Paul Lantz" <plantz@onlink.net>
Subject: Re: Connecting to the Internet via radio ??
Date: 1999/05/14
Message-ID: <7hilq8$bb2$1@onlink3.onlink.net>#1/1
X-Deja-AN: 478035129
References: <mute-1005992025080001@news.dircon.co.uk>
Organization: Ontario Northland--ONLink
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Newsgroups: alt.ham-radio.packet,alt.ham-radio.ssb,rec.ham-radio,rec.ham-
radio.packet
```

Using APRS software it is possible to send (I haven't received yet but also possible) email. I do this with a handheld radio that communicates with another radio connected to a computer that is connected to the internet. I was amazed that it worked.

```
From -8078321894938057681
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,908a89d0d5d58f13,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,908a89d0d5d58f13,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,908a89d0d5d58f13,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,908a89d0d5d58f13,start
X-Google-Attributes: gidfa656,public
From: Rick Miller <spamfree.rdmiller@bit-net.com>
Subject: QRM on 17 meters
Date: 1999/05/15
Message-ID: <373DF9C2.3546@bit-net.com>#1/1
X-Deja-AN: 478303409
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: usenet@news2.bit-net.com
X-Trace: news2.bit-net.com 926808859 26476 208.146.133.54 (15 May 1999 22:54:19
GMT)
Organization: KA3BZX
Mime-Version: 1.0
Reply-To: spamfree.rdmiller@bit-net.com
NNTP-Posting-Date: 15 May 1999 22:54:19 GMT
Newsgroups: rec.radio.amateur.misc,alt.ham-radio,rec.ham-radio,rec.radio.amateur

For the past several days there has been a musical noise
on 17 meters.  I receive it at 18.116 with the main signal
at 18.091.  Sometime there is a similar signal offset to
the low side.

I thought at first it was originating locally, but I confirmed
that it was not in my shack.

Has anyone else observed this?  Or can anyoen shed some light
on what mode it may be originiating from.

Thanks

-- 
======================================================
|  Rick Miller      |      rdmiller @bit-net.com         |
|     K1RDM    | http://www.bit-net.com/~rdmiller   |
======================================================



From -3417996149736632313
X-Google-Language: ENGLISH,ASCII-7-bit
```

```
X-Google-Thread: 10c9e3,908a89d0d5d58f13
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,908a89d0d5d58f13
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,908a89d0d5d58f13
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,908a89d0d5d58f13
X-Google-Attributes: gidfa656,public
From: Oris <oris@dirtball.com>
Subject: Re: QRM on 17 meters
Date: 1999/05/15
Message-ID: <373DFD85.4532@dirtball.com>#1/1
X-Deja-AN: 478307092
Content-Transfer-Encoding: 7bit
References: <373DF9C2.3546@bit-net.com>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@client.alltel.net
X-Trace: news1.alltel.net 926809553 18764 166.102.152.6 (15 May 1999 23:05:53 GMT)
Organization: Communications Network Dirtball
Mime-Version: 1.0
NNTP-Posting-Date: 15 May 1999 23:05:53 GMT
Newsgroups: rec.radio.amateur.misc,alt.ham-radio,rec.ham-radio,rec.radio.amateur

Rick Miller wrote:
>
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> on 17 meters.  I receive it at 18.116 with the main signal
> at 18.091.  Sometime there is a similar signal offset to
> the low side.
>
> I thought at first it was originating locally, but I confirmed
> that it was not in my shack.
>
> Has anyone else observed this?  Or can anyoen shed some light
> on what mode it may be originiating from.
>
> Thanks
>
> --
> =========================================================
> |  Rick Miller   |      rdmiller @bit-net.com            |
> |     K1RDM      | http://www.bit-net.com/~rdmiller      |
> =========================================================
Hey Rick
 I have tryed to listen hear in GA and I have not heard it. This may be
that I'm in the skip zone of this signal. I hope you can find it. I'm in
the Northeast corner of GA. You also might be picking up a image signal
from a local radio station or a image from the inside of your rig. For
example I used to have a SB102 and on certian spots on 10 I could pick
up a CW beacon OFC was the Beacon. I also didn't live very far from the
local AM station in Aberdeen and I could pick up harmonics and images
from them. Anyway I hope I helped you
                  73 from Oris
```

--

http://www.dirtball.com

97.1 Basis and purpose.
(d) Expansion of the existing reservoir within the amateur radio SERVICE of trained operators, technicians, and electronics experts.

```
From -5602692708685012296
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736ee0c17c71625e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,736ee0c17c71625e,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 108122,736ee0c17c71625e,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,736ee0c17c71625e,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 114a57,736ee0c17c71625e,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: f7796,736ee0c17c71625e,start
X-Google-Attributes: gidf7796,public
X-Google-Thread: 1109af,736ee0c17c71625e,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,736ee0c17c71625e,start
X-Google-Attributes: gidfa656,public
From: "VL" <iden1000@hotmail.com>
Subject: FS: Kenwood TS-850S
Date: 1999/05/16
Message-ID: <r%F%2.14449$L4.732837@news2.rdc1.on.home.com>#1/1
X-Deja-AN: 478574449
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2014.211
X-Complaints-To: abuse@home.net
X-Trace: news2.rdc1.on.home.com 926886999 24.65.42.196 (Sun, 16 May 1999 13:36:39
PDT)
Organization: @Home Network Canada
X-MSMail-Priority: Normal
NNTP-Posting-Date: Sun, 16 May 1999 13:36:39 PDT
Newsgroups: alt.ham-radio.hf,alt.ham-radio.morse,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.rad
io.shortwave,rec.radio.swap
```

I've a Kenwood TS-850S forsale. w/manual, original hand Mic. It's a gift from my Granddad. New condition , never use(I didn't get the Morse code licence), non smoker owner , please send me an offer. den1000@hotmail.com

From 295339050103899964
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd57315ab272a0a7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,dd57315ab272a0a7
X-Google-Attributes: gid108778,public
X-Google-Thread: fb049,dd57315ab272a0a7
X-Google-Attributes: gidfb049,public
X-Google-Thread: f55c2,dd57315ab272a0a7
X-Google-Attributes: gidf55c2,public
From: eric_fre@hotmail.com
Subject: Re: need help!! VX-5R , VX-1R or FT-50
Date: 1999/05/18
Message-ID: <7hqufn$llm$1@nnrp1.deja.com>#1/1
X-Deja-AN: 478771222
References: <lOwX2.10501$Ss1.2298634@news1.rdc1.on.wave.home.com>
<7goae7$c00@news1.snet.net>
X-Http-Proxy: 1.0 x26.deja.com:80 (Squid/1.1.22) for client 163.184.21.212
Organization: Deja.com - Share what you know. Learn what you don't.
X-Article-Creation-Date: Tue May 18 05:40:07 1999 GMT
Newsgroups: alt.ham-radio.mods,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio
X-Http-User-Agent: Mozilla/4.06 [en] (Win95; I)

In article <7goae7$c00@news1.snet.net>,
  "Jeff Kamen" <n1xui@snet.net> wrote:
> all three can do be modified to do MARS/CAP. All are nice radios too.
You
> must decide on which features you want the most. The VX-1R only does
1/2
> watt on battery, the 5R and 50R do 5 watts. The 5R has 6 meters, the
50
> doesn't.
>
>   Jeff

Contrary to what people say all problems have been ironed out of the
VX-5 current model. It is a supurb radio and reflects the 50's outdated
nature (+5 years).
The 50 can be bought dirt cheap now but $US320 for the 5 is pretty good.
my 5R is an export version bought in Singapore, rx 500kHz-16MHz,
48MHz-1000MHz all mode. I say all mode because if you want to build
yourself a BFO you can even RX SSB and CW.(stay tunned to the VX-5
mailing list for developments on this)
TX 48-65,108-220,3??-5??MHz

Its a new toy so I like it what can I say. No CTCSS problems.
Cheers
Eric.

--== Sent via Deja.com http://www.deja.com/ ==--

---Share what you know. Learn what you don't.---

From -2892575128744576274
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd57315ab272a0a7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f55c2,dd57315ab272a0a7
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fb049,dd57315ab272a0a7
X-Google-Attributes: gidfb049,public
X-Google-Thread: 108778,dd57315ab272a0a7
X-Google-Attributes: gid108778,public
From: Clint Bradford <clintbrad4d@earthlink.net>
Subject: Re: need help!! VX-5R , VX-1R or FT-50
Date: 1999/05/18
Message-ID: <7hr1r7$np7$1@nnrp1.deja.com>#1/1
X-Deja-AN: 478771603
References: <lOwX2.10501$Ss1.2298634@news1.rdc1.on.wave.home.com>
<7goae7$c00@news1.snet.net>
X-Http-Proxy: 1.0 x42.deja.com:80 (Squid/1.1.22) for client 209.178.122.30
Organization: Deja.com - Share what you know. Learn what you don't.
X-Article-Creation-Date: Tue May 18 06:37:27 1999 GMT
Newsgroups: alt.ham-radio.mods,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio
X-Http-User-Agent: Mozilla/4.51 [en]C-DIAL (Win95; I)

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  "Jeff Kamen" <n1xui@snet.net> wrote:
> You must decide on which features you want the most.
> The VX-1R only does 1/2 watt on battery, the 5R and 50R do 5 watts.
> The 5R has 6 meters, the 50 doesn't.

I *was* going to jumi in and say how much MORE the batteries were for the VX-5R...but they really aren't that much more for a replacement than, say, a Maha NiMH FNB-47 (1800mAH) is for the FT-50.

Although both the VX-5R and FT-50 are built to "MIL Specs," the VX-5R is more "bulletproof" than the FT-50.

And bless Yaesu...speaker-mikes and ADMS programming software all are interchangable for the VX-1R, VX-5R, and the FT-50. (So, according to "Bradford economics," I will actually SAVE MONEY by purchasing a VX-5R, 'cause I already have accessories and software for it...<g>)

 - Clint Bradford, ATTENTION to Details
   http://www.clintbradford.com

--== Sent via Deja.com http://www.deja.com/ ==--
---Share what you know. Learn what you don't.---

From 3700116007950278361
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a92764965e655352
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a92764965e655352
X-Google-Attributes: gid108122,public
X-Google-Thread: 10b7d3,a92764965e655352
X-Google-Attributes: gid10b7d3,public
X-Google-Thread: 109e18,a92764965e655352
X-Google-Attributes: gid109e18,public
X-Google-Thread: 10bf43,a92764965e655352
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 10f299,a92764965e655352
X-Google-Attributes: gid10f299,public
X-Google-Thread: 107ada,a92764965e655352
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,a92764965e655352
X-Google-Attributes: gidfcc6e,public
From: "Jeffrey M. Swiger" <N8NOE@Ameritech.Net>
Subject: Re: HELP-HAM..WinCE, Paket, Tracking????.......
Date: 1999/05/18
Message-ID: <374101EB.15E6E089@Ameritech.Net>#1/1
X-Deja-AN: 479315124
Content-Transfer-Encoding: 7bit
References: <373A78E8.FBFCADB@Ameritech.Net> <926626508.266.60@news.remarQ.com>
<7hff5u$kl4$1@brokaw.wa.com> <373BCBAF.F914CB5B@Ameritech.Net>
<7hi759$9d5$1@brokaw.wa.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: nntp0.detroit.mi.ameritech.net 927007470 199.179.188.65 (Tue, 18 May 1999 02:04:30 EDT)
Organization: *** N8NOE ***
MIME-Version: 1.0
NNTP-Posting-Date: Tue, 18 May 1999 02:04:30 EDT
Newsgroups:
rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.policy,rec.ham-radio,rec.radio.amateur.antenna,alt.comp.sys.palmtops.hp,comp.sys.palmtops,comp.os.ms-windows.ce,microsoft.public.windowsce,rec.radio.amateur.digital.misc

Thanks to ALL, And I did get the TNC to talk to my CE unit. I guess I can keep it on my desk now. I'll try the reflector and see if some tracking software comes out. If somthing is found, I'll post a note to everyone also...Thanks again ALL!!! 73 N8NOE, Jeff

Jeff McLeman wrote:

> You need to get on the APRS reflector at www.tapr.org to watch for the
> announcement.
>
> As fas as the terminal inside CE, it works fine with my PK88 and KAM

```
> controllers.
>
> Jeff
>
> Jeffrey M. Swiger <N8NOE@Ameritech.Net> wrote in message
> news:373BCBAF.F914CB5B@Ameritech.Net...
> > When this comes out, I"d be MORE than interested... PLEASE let me know?
> The
> > terminal in CE don't talk and this CE unit is a pile! I'm not happy with
> CE, But
> > if I can use the HP620LX for Somthing.... Let me know about the APRS!!!...
> > Thanks, Jeff-N8NOE
> >
> > Jeff McLeman wrote:
> >
> > > What kind of tracking? WinAPRS for Windows CE will be coming around
> soon, so
> > > if you are into APRS (Automatic Position Reporting System),
> > > then wait a bit for WinAPRS for Windows CE.
> > >
> > > Jeff
> > >
> > > Bubba <nunya@nazstarnet.com> wrote in message
> > > news:926626508.266.60@news.remarQ.com...
> > > > The built in terminal program should work for packet operation with
> your
> > > > PK-88. Here's link on how to set it up...
> > > >
> > > > http://www.qsl.net/kc7gnm/packet_hpc.html
> > > >
> > > > Good luck,
> > > > Jon/KC5MOP
> > > >
> > > > Jeffrey M. Swiger wrote in message <373A78E8.FBFCADB@Ameritech.Net>...
> > > > >Does anyone have any idea where I might find at least a "Terminal
> > > > >Program" for CE that will allow for connecting to a PK-88 for Paket
> > > > >opperations? I'd also like to use my HP620LX for tracking, so
> Tracking
> > > > >software would be a plus.. You figure with all the CE units that are
> out
> > > > >there, someone with the know how, would think of us HAMS..Hope to see
> > > > >Ya'll at DAYTON.....
> > > > >73, Have fun! Enjoy Radio, Big brother might take it to...???...
> > > > >--
> > > > >" What A LONG Strange Trip It's Been! "
> > > > >                 Jeffrey M. Swiger
> > > > >                 *** N8NOE ***
> > > >
> > > >
> >
> > --
> > " What A LONG Strange Trip It's Been! "
> >                   Jeffrey M. Swiger
```

> >   *** N8NOE ***
> >
> >
> >

--
" What A LONG Strange Trip It's Been! "
                 Jeffrey M. Swiger
                 *** N8NOE ***

```
From 4365947130261630539
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55e871f7cb5e6411
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10b7d3,55e871f7cb5e6411
X-Google-Attributes: gid10b7d3,public
X-Google-Thread: 107ada,55e871f7cb5e6411
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,55e871f7cb5e6411
X-Google-Attributes: gid108122,public
X-Google-Thread: 109e18,55e871f7cb5e6411
X-Google-Attributes: gid109e18,public
X-Google-Thread: 10bf43,55e871f7cb5e6411
X-Google-Attributes: gid10bf43,public
X-Google-Thread: fcc6e,55e871f7cb5e6411
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 10f299,55e871f7cb5e6411
X-Google-Attributes: gid10f299,public
From: "Jeffrey M. Swiger" <N8NOE@Ameritech.Net>
Subject: Re: HAMS-HELP..WinCE, APRS,Paket, Tracking????.......
Date: 1999/05/19
Message-ID: <37424F10.827EF836@Ameritech.Net>#1/1
X-Deja-AN: 479447004
Content-Transfer-Encoding: 7bit
References: <373A6C80.146E1193@Ameritech.Net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: nntp0.detroit.mi.ameritech.net 927092755 206.141.213.59 (Wed, 19 May 1999
01:45:55 EDT)
Organization: *** N8NOE ***
MIME-Version: 1.0
NNTP-Posting-Date: Wed, 19 May 1999 01:45:55 EDT
Newsgroups:
rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.policy,rec.ha
m-
radio,rec.radio.amateur.antenna,alt.comp.sys.palmtops.hp,comp.sys.palmtops,comp.os
.ms-windows.ce,microsoft.public.windowsce
```

I'm VERY interested in running APRS on the CE unit, If Theres not a reason

to keep the HP620LX I'll post it for sale here also... Thanks for the
Terminal tip, This did work! Tracking would be nice but APRS is realy in
need for the Handheld's.. There is a version for the Palm Pilots at :
http://www.tapr.org

"Jeffrey M. Swiger" wrote:

> Does anyone have any idea where I might find at least a "Terminal
> Program" for CE that will allow for connecting to a PK-88 for Paket
> opperations? I'd also like to use my HP620LX for tracking, so Tracking
> software would be a plus.. You figure with all the CE units that are out
> there, someone with the know how, would think of us HAMS..Hope to see
> Ya'll at DAYTON.....
> 73, Have fun! Enjoy Radio, Big brother might take it to...???...
> --
> " What A LONG Strange Trip It's Been! "
> Jeffrey M. Swiger
> *** N8NOE ***

--
" What A LONG Strange Trip It's Been! "
Jeffrey M. Swiger
*** N8NOE ***

From 7276596546662490754
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ba87a345bd6396d3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fd5d6,ba87a345bd6396d3,start
X-Google-Attributes: gidfd5d6,public
X-Google-Thread: 108778,ba87a345bd6396d3,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 114671,ba87a345bd6396d3,start
X-Google-Attributes: gid114671,public
X-Google-Thread: fa656,ba87a345bd6396d3,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb049,ba87a345bd6396d3,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,ba87a345bd6396d3,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,ba87a345bd6396d3,start
X-Google-Attributes: gidfddbf,public
From: "VL" <iden1000@hotmail.com>
Subject: New place to discuss TH-D7(A/D) and packet
Date: 1999/05/19
Message-ID: <5_B03.9148$J74.759728@news2.rdc1.on.home.com>#1/1
X-Deja-AN: 479682690
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2014.211

X-Complaints-To: abuse@home.net
X-Trace: news2.rdc1.on.home.com 927132673 24.65.42.196 (Wed, 19 May 1999 09:51:13 PDT)
Organization: @Home Network Canada
X-MSMail-Priority: Normal
NNTP-Posting-Date: Wed, 19 May 1999 09:51:13 PDT
Newsgroups: alt.ham-radio.vhf-uhf,alt.radio.amateur,aus.radio.amateur.misc,aus.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur

http://www.onelist.com/subscribe/TH-D7

From 9041706134424870082
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5247c23f63c8c4d4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,5247c23f63c8c4d4,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f7653,5247c23f63c8c4d4,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: 107ada,5247c23f63c8c4d4,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,5247c23f63c8c4d4,start
X-Google-Attributes: gid10bf43,public
From: "Jeffrey M. Swiger" <N8NOE@Ameritech.Net>
Subject: RS-12/13 Site......
Date: 1999/05/20
Message-ID: <37438CE7.2D1308BA@Ameritech.Net>#1/1
X-Deja-AN: 479896791
Content-Transfer-Encoding: 7bit
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: nntp0.detroit.mi.ameritech.net 927174125 206.141.212.192 (Thu, 20 May 1999 00:22:05 EDT)
Organization: *** N8NOE ***
MIME-Version: 1.0
NNTP-Posting-Date: Thu, 20 May 1999 00:22:05 EDT
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.equipment,rec.ham-radio,rec.radio.amateur.digital.misc

This site has been dedicated to these birds, Check it out.....
http://www.qsl.net/ac5dk/rs1213/rs1213.html
Damn, Fine, Job.....73
--
" What A LONG Strange Trip It's Been! "
Jeffrey M. Swiger
*** N8NOE ***

From -264466386301794248
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,159bcec8e20a9b66,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,159bcec8e20a9b66,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 108122,159bcec8e20a9b66,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,159bcec8e20a9b66,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fddbf,159bcec8e20a9b66,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f7653,159bcec8e20a9b66,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: f76e2,159bcec8e20a9b66,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 108778,159bcec8e20a9b66,start
X-Google-Attributes: gid108778,public
From: "Vic" <iden1000@hotmail.com>
Subject: Yaesu VX-5R or Kenwood TH-D7A
Date: 1999/05/20
Message-ID: <8HX03.14589$J74.2112430@news2.rdc1.on.home.com>#1/1
X-Deja-AN: 480192848
X-Priority: 3
X-MIMEOLE: Produced By Microsoft MimeOLE V5.00.2014.211
X-Complaints-To: abuse@home.net
X-Trace: news2.rdc1.on.home.com 927221572 24.65.42.196 (Thu, 20 May 1999 10:32:52 PDT)
Organization: @Home Network Canada
X-MSMail-Priority: Normal
NNTP-Posting-Date: Thu, 20 May 1999 10:32:52 PDT
Newsgroups: alt.radio.amateur,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

Hi! How are you doing? I'm going to get a new HT either Yaesu VX-5R or
Kenwood TH-D7A(since I may try to operate packet radio). Any suggestion?
Thanks!!

73,
Vic

From 1868338279488083770
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,159bcec8e20a9b66
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,159bcec8e20a9b66
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,159bcec8e20a9b66
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,159bcec8e20a9b66
X-Google-Attributes: gidfddbf,public
From: wpeloqui@ismi.net
Subject: Re: Yaesu VX-5R or Kenwood TH-D7A
Date: 1999/05/20
Message-ID: <7i1l1c$bku$1@nnrp1.deja.com>#1/1
X-Deja-AN: 480200996
References: <8HX03.14589$J74.2112430@news2.rdc1.on.home.com>
X-Http-Proxy: 1.0 x40.deja.com:80 (Squid/1.1.22) for client 205.175.225.22
Organization: Deja.com - Share what you know. Learn what you don't.
X-Article-Creation-Date: Thu May 20 18:41:49 1999 GMT
Newsgroups: alt.radio.amateur,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap
X-Http-User-Agent: Mozilla/4.0 (compatible; MSIE 5.0; Windows NT; AltaVista 1.00.05)

Hi,

I would go with the Kenwood radio. The TH-D7A is wonderful for APRS.
The TH-G71A is a great HT also. I own both. If I was not doing APRS I
would use the TH-G71A with an external TNC.

http://www.kenwood.net/products/index.cfm?AMA=open&ama_hheld=open&radio=TH-G71A&selection=Amateur

73,

Willie
N8MDY

In article <8HX03.14589$J74.2112430@news2.rdc1.on.home.com>,
"Vic" <iden1000@hotmail.com> wrote:
> Hi! How are you doing? I'm going to get a new HT either Yaesu VX-5R or
> Kenwood TH-D7A(since I may try to operate packet radio). Any suggestion?
> Thanks!!
>
> 73,
> Vic
>
>

--

Willie Peloquin
Senior Software Engineer - Contract
http://www.ismi.net/~wpeloqui

"It is unwise to

--== Sent via Deja.com http://www.deja.com/ ==--
---Share what you know. Learn what you don't.---

From -8492681531021386303
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,159bcec8e20a9b66
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,159bcec8e20a9b66
X-Google-Attributes: gid108122,public
X-Google-Thread: fddbf,159bcec8e20a9b66
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,159bcec8e20a9b66
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,159bcec8e20a9b66
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,159bcec8e20a9b66
X-Google-Attributes: gid108778,public
X-Google-Thread: f7653,159bcec8e20a9b66
X-Google-Attributes: gidf7653,public
X-Google-Thread: fcc6e,159bcec8e20a9b66
X-Google-Attributes: gidfcc6e,public
From: Louis Albert <lalbert@uakron.edu>
Subject: Re: Yaesu VX-5R or Kenwood TH-D7A
Date: 1999/05/20
Message-ID: <37449944.8FA1E5E5@uakron.edu>#1/1
X-Deja-AN: 480313716
Content-Transfer-Encoding: 7bit
References: <8HX03.14589$J74.2112430@news2.rdc1.on.home.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@neo.rr.com
X-Trace: dustdevil.neo.rr.com 927242557 24.93.191.188 (Thu, 20 May 1999 19:22:37 EDT)
Organization: Road Runner High Speed Online -- Northeast Ohio
MIME-Version: 1.0
NNTP-Posting-Date: Thu, 20 May 1999 19:22:37 EDT
Newsgroups: alt.radio.amateur,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

Not the same, Apples and oranges?

Lou WA8PHD
http://ifip.com/wa8phd.htm

Vic wrote:

> Hi! How are you doing? I'm going to get a new HT either Yaesu VX-5R or
> Kenwood TH-D7A(since I may try to operate packet radio). Any suggestion?
> Thanks!!
>
> 73,
> Vic

```
From 7541236718093535043
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c3a397156991f3cd,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,c3a397156991f3cd,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,c3a397156991f3cd,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,c3a397156991f3cd,start
X-Google-Attributes: gid108778,public
From: "Chris Davis" <kb0wwp@hamsnet1.net>
Subject: Automatic notification of new callsigns!
Date: 1999/05/21
Message-ID: <Gf613.7145$K6.365119@newscene.newscene.com>#1/1
X-Deja-AN: 480408014
Organization: Newscene Public Access Usenet News Service (http://
www.newscene.com/)
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-radio,rec.radio.amateur
```

My new web page will allow you to have your new calls e-mailed to you when they are assigned! If you have a friend who is studying for the exam, you can be automatically notified when their calls are issued.

Please visit http://davisfamily.nu/hamcalls

This is free and is provided simply as a service to the Amateur Radio community.
--
* remove the '1' from my address to respond *

```
From 3635554674501127685
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd57315ab272a0a7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,dd57315ab272a0a7
X-Google-Attributes: gid108778,public
X-Google-Thread: fb049,dd57315ab272a0a7
X-Google-Attributes: gidfb049,public
```

X-Google-Thread: f55c2,dd57315ab272a0a7
X-Google-Attributes: gidf55c2,public
From: kdj@ab2m.net
Subject: Re: need help!! VX-5R , VX-1R or FT-50
Date: 1999/05/22
Message-ID: <37473cca.32534802@news.optonline.net>#1/1
X-Deja-AN: 480783817
References: <lOwX2.10501$Ss1.2298634@news1.rdc1.on.wave.home.com> <7goae7$c00@news1.snet.net> <7hr1r7$np7$1@nnrp1.deja.com>
Organization: Optimum Online
NNTP-Posting-Date: Sat, 22 May 1999 00:35:25 EDT
Newsgroups: alt.ham-radio.mods,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio

Just a note from an FT-50 owner..
I've had mine for a few years now. It's an excellent radio. If your budget isn't very flexible, the ft-50 is a great buy (like an earlier message said, it's fairly inexpensive now). If you've got the cash though, the 5R is a good choice too.

-Kirk Johnson N2NBZ   Long Island, New York

On Tue, 18 May 1999 06:37:27 GMT, Clint Bradford
<clintbrad4d@earthlink.net> wrote:

>In article <7goae7$c00@news1.snet.net>,
> "Jeff Kamen" <n1xui@snet.net> wrote:
>> You must decide on which features you want the most.
>> The VX-1R only does 1/2 watt on battery, the 5R and 50R do 5 watts.
>> The 5R has 6 meters, the 50 doesn't.
>
>I *was* going to jumi in and say how much MORE the batteries were for
>the VX-5R...but they really aren't that much more for a replacement
>than, say, a Maha NiMH FNB-47 (1800mAH) is for the FT-50.
>
>Although both the VX-5R and FT-50 are built to "MIL Specs," the VX-5R is
>more "bulletproof" than the FT-50.
>
>And bless Yaesu...speaker-mikes and ADMS programming software all are
>interchangable for the VX-1R, VX-5R, and the FT-50. (So, according to
>"Bradford economics," I will actually SAVE MONEY by purchasing a VX-5R,
>'cause I already have accessories and software for it...<g>)
>
> - Clint Bradford, ATTENTION to Details
>   http://www.clintbradford.com
>
>
>--== Sent via Deja.com http://www.deja.com/ ==--
>---Share what you know. Learn what you don't.---

```
From -9206135996779514694
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d7b9c4fb1405cab
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,4d7b9c4fb1405cab
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,4d7b9c4fb1405cab
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,4d7b9c4fb1405cab
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,4d7b9c4fb1405cab
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,4d7b9c4fb1405cab
X-Google-Attributes: gidfa656,public
From: firewave@REMOVE.videotron.ca (Alex)
Subject: Re: Lithium-Ion Battery tech info
Date: 1999/01/30
Message-ID: <firewave-3001991416390001@192.168.1.4>#1/1
X-Deja-AN: 438779999
References: <78kokf$reh$1@news1.rmi.net> <36AE4356.57D8AC74@planetquad.com>
<36B348ED.32B196A7@planetquad.com>
X-Complaints-To: abuse@videotron.net
X-Trace: weber.videotron.net 917723797 207.96.163.3 (Sat, 30 Jan 1999 14:16:37
EDT)
NNTP-Posting-Date: Sat, 30 Jan 1999 14:16:37 EDT
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc
```

In article <36B348ED.32B196A7@planetquad.com>, Ric <ric@planetquad.com> wrote:

> Just recieved my Yaesu VX-5R the other day. The battery "under normal
use" will
> survive 300 cycles of charging-discharging. Nothing mentioned about
"draining"
> the cell dead before charging, but after charging is complete (The
display tells
> you, and the TX-RX LED glows green <cool feature>), the HT should be unplugged
> from the charger, and allowed to cool down before use.
>
> The VX-5R is an AWESOME little marvel of an HT, easy to use, great
manual, sounds
> good, powerful, and LONG battery life. And I am/was an Icom freak :-)
>
> Ric - KG4BNL

Can you use the radio while its pluged in the wall?? or do i need a
special accesorie?

thanks,
alex

From 4997080642138220609
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d7b9c4fb1405cab
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,4d7b9c4fb1405cab
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,4d7b9c4fb1405cab
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,4d7b9c4fb1405cab
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,4d7b9c4fb1405cab
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,4d7b9c4fb1405cab
X-Google-Attributes: gid108778,public
From: "MG" <nospam@nospam.spam>
Subject: Re: Lithium-Ion Battery tech info
Date: 1999/02/01
Message-ID: <795gqi$kn4$1@news1.rmi.net>#1/1
X-Deja-AN: 439561721
References: <78kokf$reh$1@news1.rmi.net> <36AE4356.57D8AC74@planetquad.com> <36B348ED.32B196A7@planetquad.com> <firewave-3001991416390001@192.168.1.4>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Complaints-To: abuse@rmi.net
X-Trace: news1.rmi.net 917915282 21220 166.93.69.121 (2 Feb 1999 00:28:02 GMT)
Organization: Rocky Mountain Internet - 1(800)-900-RMII
NNTP-Posting-Date: 2 Feb 1999 00:28:02 GMT
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc

I have a VX-5r and tried to use it while plugged into AC. It's a no-no. The radio will shut off. Then, I read the manual and it says +ACI-AC RX only+ACI- I haven't contacted Yaesu yet to find out why.

Using the DC adapter, RX and TX both work.

-73
+ADw-snip+AD4-

From -5866142074026516855
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d7b9c4fb1405cab
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,4d7b9c4fb1405cab
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,4d7b9c4fb1405cab
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,4d7b9c4fb1405cab
X-Google-Attributes: gid10ed5f,public
From: ke6mtf@my-dejanews.com

Subject: Re: Lithium-Ion Battery tech info
Date: 1999/02/02
Message-ID: <7969rr$fav$1@nnrp1.dejanews.com>#1/1
X-Deja-AN: 439667439
References: <78kokf$reh$1@news1.rmi.net> <36AE4356.57D8AC74@planetquad.com>
<36B348ED.32B196A7@planetquad.com> <firewave-3001991416390001@192.168.1.4>
<795gqi$kn4$1@news1.rmi.net>
X-Http-User-Agent: Mozilla/4.07 [en] (X11; I; Linux 2.0.36 i586)
X-Http-Proxy: 1.0 x16.dejanews.com:80 (Squid/1.1.22) for client 207.13.225.198
Organization: Deja News - The Leader in Internet Discussion
X-Article-Creation-Date: Tue Feb 02 07:35:23 1999 GMT
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-radio,rec.radio.amateur

In article <795gqi$kn4$1@news1.rmi.net>,
  "MG" <nospam@nospam.spam> wrote:
> I have a VX-5r and tried to use it while plugged into AC. It's a no-no. The
> radio will shut off. Then, I read the manual and it says +ACI-AC RX only+ACI-
I
> haven't contacted Yaesu yet to find out why.
>
> Using the DC adapter, RX and TX both work.
>
> -73
> +ADw-snip+AD4-
>
>

it might have something to do with the fact it wasn't designed for it too low
an amperage for one....remember the vx-1r only put out 1 watt max the vx-5r
puts out 5 so they never planned on a charger to be used as a power supply.

-----------== Posted via Deja News, The Discussion Network ==----------
http://www.dejanews.com/   Search, Read, Discuss, or Start Your Own

From 3018757022975807140
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,a38ccd24ace6e9fe,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,a38ccd24ace6e9fe,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,a38ccd24ace6e9fe,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10ed5f,a38ccd24ace6e9fe,start
X-Google-Attributes: gid10ed5f,public
From: "Chris Terkla" <n1xs@amsat.org>
Subject: FS Amplifier Tubes 4PR1000A's
Date: 1999/02/05
Message-ID: <79gbc6$92c$1@bashir.ici.net>#1/1
X-Deja-AN: 441227752
Organization: The Internet Connection
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4

Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap

For Sale

4PR1000A Eimac or Penta Labs tubes.
These are pulls, and have been tested live in a BTI amplifer at
3KV on 3.5 Mhz, 100 W drive.
They have been segregated based on performance as follows:

In the above amp output 1100+watts =$125.00 + shipping/insurance
 "   "   "   "   "   1000 watts =$100.00   "
"
 "   "   "   "   "   750 watts = $75.00   "
"

Shipping is from the Eastern Massachusetts area.

send inquiries to: cterkla@ici.net

From -1887174141453602836
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,532c21d2d619b3e4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,532c21d2d619b3e4,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10ddf1,532c21d2d619b3e4,start
X-Google-Attributes: gid10ddf1,public
X-Google-Thread: 11480d,532c21d2d619b3e4,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,532c21d2d619b3e4,start
X-Google-Attributes: gidfa656,public
From: "O. Bj�rn Madsen" <obm@image.dk>
Subject: OZ50MHz DX Bulletin #99-005
Date: 1999/02/08
Message-ID: <3vrv2.2570$ZE4.9722@news010.image.dk>#1/1
X-Deja-AN: 441972686
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
X-Complaints-To: news-abuse@image.dk
X-Trace: news010.image.dk 918438975 194.234.172.164 (Mon, 08 Feb 1999 02:56:15 MET DST)
NNTP-Posting-Date: Mon, 08 Feb 1999 02:56:15 MET DST
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.shortwave,relcom.radio.ham

Dr OM/YL

This mail to inform You that the latest edition
of the OZ50MHz DX Bulletin #99-005 is now uploaded

at my homepage, at the adress;

http://www.qsl.net/oz6om/

Due to breakdown on the QSL.NET server, wich have
delayed the release, hve the bulletin been released
Sunday instead of Saturday.

Do not expect to see a weekly mail like this ! - by
now You should have caught the rutine - so please
have in mind that the OZ50MHz DX Bulletin normaly
is uploaded late Saturday evening (UT time)

vy 73 de OZ6OM "Matt"

From 4422144976516385936
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,9c43e421030b488f,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,9c43e421030b488f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,9c43e421030b488f,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f76e2,9c43e421030b488f,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114a57,9c43e421030b488f,start
X-Google-Attributes: gid114a57,public
From: "Chris Terkla" <cterkla@ici.net>
Subject: 4pr1000a tubes for sale
Date: 1999/02/10
Message-ID: <_Tiw2.1486$45.26910@news.goodnet.com>#1/1
X-Deja-AN: 442866844
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Trace: news.goodnet.com 918665850 207.180.42.11 (Wed, 10 Feb 1999 09:57:30 MDT)
NNTP-Posting-Date: Wed, 10 Feb 1999 09:57:30 MDT
Newsgroups: alt.ham-radio,alt.ham-radio.hf,alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap

I have some 4pr1000a tubes for sale. They are pulls and have been tested
live in a BTI amp at 3KV on 80M (3.5 Mhz). They put out 800 watts in this
test. There are a few that performed at 1000 watts, but they are going fast!
The going price has been $125 + shipping for the KW tubes and they are
almost all gone (may be more coming). Any interest or offers on the lower
performing tubes? Make an offer?
73 es good DX
Chris
cterkla@ici.net

```
From -7817265719609013690
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4515763c111805af,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f7653,4515763c111805af,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: f4306,4515763c111805af,start
X-Google-Attributes: gidf4306,public
From: "Wim Beekman" <BeekmanW@mail.dec.com>
Subject: COMPAQ ARC -> Worldwide list
Date: 1999/02/12
Message-ID: <7a95pu$7hi@usenet.pa.dec.com>#1/1
X-Deja-AN: 444576266
Organization: Digital Equipment B.V.
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Newsgroups: alt.ham-radio.packet,rec.ham-radio,rec.radio.amateur.digital.misc
```

LS,

I try to get in touch with radio-hams , working for COMPAQ worldwide.
Please sent me mail , so I can put you on the worldwide list of COMPAQ
radio-amateurs (incl SWL's -> NO USA, as they have their own list, which is
maintained by my other colleague...)

'73's de
Wim Beekman - PA3AGZ - 9H3YO
Mail: Wim.Beekman@COMPAQ.com
or PA3AGZ@VRZA.ORG

```
From -2338165879950789187
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,63f504f29b9afed8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,63f504f29b9afed8,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 106e5e,63f504f29b9afed8,start
X-Google-Attributes: gid106e5e,public
From: bit.bucket@zoom.to (Joe Blow)
Subject: Re: Info on Barlow Wadley Portable Radio.. Now Fixed
Date: 1999/02/13
```

```
Message-ID: <199902132309401142739@ppp0-09.winz.co.nz>#1/1
X-Deja-AN: 443925344
References: <36c51b72.25848118@news.xtra.co.nz>
X-Complaints-To: newsadmin@xtra.co.nz
X-Trace: titan.xtra.co.nz 918900536 3657 202.27.208.89 (13 Feb 1999 10:08:56 GMT)
Organization: Absolutely none.
NNTP-Posting-Date: 13 Feb 1999 10:08:56 GMT
Newsgroups: rec.ham-radio,nz.comp,rec.radio.shortwave

The KIWI <william@paradise.net.nz> wrote:

> >Can any one help have a Barlow Wadley Radio in for Service
> >is their a Web site or a Place in NZ that I can get a Circuit for this
Radio,,?
> >Thanks..
> >The KIWI..
>
> For those that might be interested..
>
>
> Well the Radio is now fixed , the problem was the RF Tuning Gang did  not
> have a good earth, just a blob of solder next to it, removed solder blob
> tined the metal frame next to the blob and all was OK.

Good to hear. Did manage to track down a Barlow Wadley site (it's in the
links page at http://radiodx.com. Not sure if it has circuit diagrams
there.

Cheers,

Andy Gardner
http://navigator.co.nz/andy



From -3460831865523937203
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7940c44de29697f3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10a476,7940c44de29697f3,start
X-Google-Attributes: gid10a476,public
X-Google-Thread: 114cd0,7940c44de29697f3,start
X-Google-Attributes: gid114cd0,public
From: "Stef Oost" <oost@rwa.nl>
Subject: Hamcom software
Date: 1999/02/14
Message-ID: <7a6c03$rls$1@news2.xs4all.nl>#1/1
X-Deja-AN: 444236599
X-NNTP-Posting-Host: rwa.nl [194.109.13.162]
Organization: XS4ALL, networking for the masses
X-XS4ALL-Date: Sun, 14 Feb 1999 12:28:03 CET
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Newsgroups: alt.ham-radio.slowscan,rec.ham-radio,slac.rec.ham_radio
```

http://www.qsl.net/pa3eyk

From -5493960657627346679
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7940c44de29697f3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10a476,7940c44de29697f3
X-Google-Attributes: gid10a476,public
X-Google-Thread: 114cd0,7940c44de29697f3
X-Google-Attributes: gid114cd0,public
From: "Silveruno" <l.v.j@bigfoot.com>
Subject: Re: Hamcom software
Date: 1999/02/16
Message-ID: <7abggg$2rn$1@news101.telia.com>#1/1
X-Deja-AN: 444887218
References: <7a6c03$rls$1@news2.xs4all.nl>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Complaints-To: abuse@telia.dk
X-Trace: news101.telia.com 919160144 2935 194.255.244.157 (16 Feb 1999 10:15:44 GMT)
Organization: Customer at Telia Danmark (http://www.telia.dk)
NNTP-Posting-Date: 16 Feb 1999 10:15:44 GMT
Newsgroups: alt.ham-radio.slowscan,rec.ham-radio,slac.rec.ham_radio

hello

when i try this page, i get 404 Not Found, is anything missing.

Stef Oost skrev i meddelelsen <7a6c03$rls$1@news2.xs4all.nl>...
>http://www.qsl.net/pa3eyk
>
>
>

From 7911648861058414612
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f150c20f6f90e38,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 112d1e,3f150c20f6f90e38,start
X-Google-Attributes: gid112d1e,public
X-Google-Thread: fc2a5,3f150c20f6f90e38,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 107ada,3f150c20f6f90e38,start

X-Google-Attributes: gid107ada,public
X-Google-Thread: 10d431,3f150c20f6f90e38,start
X-Google-Attributes: gid10d431,public
From: Tom <tom22@verio.com>
Subject: Looking for a "peculiar" power transformer for audio applications
Date: 1999/02/19
Message-ID: <36CCC4AA.64744385@verio.com>#1/1
X-Deja-AN: 445915612
Content-Transfer-Encoding: 7bit
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
MIME-Version: 1.0
Reply-To: tom@antarestech.com
NNTP-Posting-Date: Thu, 18 Feb 1999 17:53:33 PDT
Newsgroups: sci.electronics.design,rec.audio,rec.ham-radio,rec.radio.amateur.misc,rec.radio.amateur.homebrew

Hi,

Actually, the transformer that I am looking for isn't THAT peculiar or unique, but I just can't find it anywhere. I am looking for a dual primary (for either 120VAC or 240VAC) triple secondary power transformer. One secondary winding is for, say, 10VAC from which +5 VDC will be made. The other two secondaries, which could be a center-tapped autotransformer, will be for 25VAC, from which +/- 15 VDC will be made. All that might seem strange to get from one transformer but if one looks around at power supplies, one sees that +5, +/-15 Volt supplies are quite common, especially for use with audio systems.

I have tried a number of web sites (all the obvious ones) but can not find the transformer that I am looking for. Please help if you can lead me to the right manufacturer.

Thank You
Tom
tom@antarestech.com

From -6317364082950839221
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f150c20f6f90e38
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,3f150c20f6f90e38
X-Google-Attributes: gid107ada,public
X-Google-Thread: 112d1e,3f150c20f6f90e38
X-Google-Attributes: gid112d1e,public
X-Google-Thread: fc2a5,3f150c20f6f90e38
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 10d431,3f150c20f6f90e38
X-Google-Attributes: gid10d431,public

From: Spehro Pefhany <speff@interlog.com>
Subject: Re: Looking for a "peculiar" power transformer for audio applications
Date: 1999/02/19
Message-ID: <7aiht0$9km$1@news.interlog.com>#1/1
X-Deja-AN: 445922967
References: <36CCC4AA.64744385@verio.com>
NNTP-Posting-Time: 19 Feb 1999 02:22:24 GMT
Organization: Interlog Internet Services
Newsgroups: sci.electronics.design,rec.audio,rec.ham-radio,rec.radio.amateur.misc,rec.radio.amateur.homebrew

In sci.electronics.design Tom <tom22@verio.com> wrote:
> Hi,

> Actually, the transformer that I am looking for isn't THAT peculiar or
> unique, but I just can't find it anywhere. I am looking for a dual
> primary (for either 120VAC or 240VAC) triple secondary power
> transformer.

Microtran (digikey carries them) has a similar one to your description.
Actually the analog supply secondary is center tapped.
Expensive. Can't you use +/-5 for your analog supplies? Then you could use
a garden variety transformer.

Or, if your quantities justify it, have a custom tranformer wound with one
secondary at 10V and another at (say) 15V and use two half-wave rectifiers
(2 diodes) for the analog supplies.

In the case of the Microtran product you would just use a
bridge rectifier to create the two analog supplies.

--
=-=
Spehro Pefhany   "The Journey is the reward"
speff@interlog.com
Fax:(905) 271-9838   (small micro system devt hw/sw + mfg)
=-=

From 4665489251193559881
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f150c20f6f90e38
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,3f150c20f6f90e38
X-Google-Attributes: gid107ada,public
X-Google-Thread: 112d1e,3f150c20f6f90e38
X-Google-Attributes: gid112d1e,public
X-Google-Thread: fc2a5,3f150c20f6f90e38
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 10d431,3f150c20f6f90e38
X-Google-Attributes: gid10d431,public

From: "CommQuart" <commquart@erols.com>
Subject: Re: Looking for a "peculiar" power transformer for audio applications
Date: 1999/02/19
Message-ID: <7ais29$p84$1@winter.news.rcn.net>#1/1
X-Deja-AN: 445962982
References: <36CCC4AA.64744385@verio.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
X-Complaints-To: abuse@rcn.com
X-Trace: hLp2J7ZtXz0IDKeKiXYk+H2q7nFSt9C/dQnH76yn3u4=
Organization: Communications Quarterly Magazine
NNTP-Posting-Date: 19 Feb 1999 05:15:53 GMT
Newsgroups: sci.electronics.design,rec.audio,rec.ham-radio,rec.radio.amateur.misc,rec.radio.amateur.homebrew

Check Hosfelt Electronics, they have a lot of surplus transformers listed in their catalog.

Pete

Tom wrote in message <36CCC4AA.64744385@verio.com>...
>Hi,
>
>Actually, the transformer that I am looking for isn't THAT peculiar or
>unique, but I just can't find it anywhere. I am looking for a dual
>primary (for either 120VAC or 240VAC) triple secondary power
>transformer. One secondary winding is for, say, 10VAC from which +5 VDC
>will be made. The other two secondaries, which could be a center-tapped
>autotransformer, will be for 25VAC, from which +/- 15 VDC will be made.
>All that might seem strange to get from one transformer but if one looks
>around at power supplies, one sees that +5, +/-15 Volt supplies are
>quite common, especially for use with audio systems.
>
>I have tried a number of web sites (all the obvious ones) but can not
>find the transformer that I am looking for. Please help if you can lead
>me to the right manufacturer.
>
>Thank You
>Tom
>tom@antarestech.com
>
>

From -3743671204887139457
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f150c20f6f90e38
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,3f150c20f6f90e38
X-Google-Attributes: gidfc2a5,public

X-Google-Thread: 10d431,3f150c20f6f90e38
X-Google-Attributes: gid10d431,public
X-Google-Thread: 107ada,3f150c20f6f90e38
X-Google-Attributes: gid107ada,public
X-Google-Thread: 112d1e,3f150c20f6f90e38
X-Google-Attributes: gid112d1e,public
From: John Woodgate <jmw@jmwa.demon.co.uk>
Subject: Re: Looking for a "peculiar" power transformer for audio applications
Date: 1999/02/19
Message-ID: <hyvLhlAjUSz2Ewek@jmwa.demon.co.uk>#1/1
X-Deja-AN: 446010006
X-NNTP-Posting-Host: jmwa.demon.co.uk:158.152.135.100
References: <36CCC4AA.64744385@verio.com>
X-Complaints-To: abuse@demon.net
X-Trace: news.demon.co.uk 919416496 nnrp-03:19430 NO-IDENT
jmwa.demon.co.uk:158.152.135.100
Organization: JMWA Electronics Consultancy
MIME-Version: 1.0
Newsgroups: sci.electronics.design,rec.audio,rec.ham-radio,rec.radio.amateur.misc,rec.radio.amateur.homebrew

<36CCC4AA.64744385@verio.com>, Tom <tom22@verio.com> inimitably wrote:
>I have tried a number of web sites (all the obvious ones) but can not
>find the transformer that I am looking for. Please help if you can lead
>me to the right manufacturer.

All transformers like that are regarded by the industry as 'custom' and do not feature in catalogues or lists. How many of them do you want? Some manufacturers will make you as few as 12 (although the price may not be attractive, it wouldn't be unreasonable) whereas others won't entertain any orders for less than tonnage.

You just have to call manufacturers with your spec and ask.
--
Regards, John Woodgate, Elector of Rayleigh, Grand
Four-cusped Astroid of the First Order of Magnitude.
OOO - Own Opinions Only. Phone +44 (0)1268 747839
Fax +44 (0)1268 777124.

From 8456627309844530556
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 107ada,3f150c20f6f90e38
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10c9e3,3f150c20f6f90e38
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10d431,3f150c20f6f90e38
X-Google-Attributes: gid10d431,public
X-Google-Thread: 112d1e,3f150c20f6f90e38
X-Google-Attributes: gid112d1e,public
From: josiah_b@my-dejanews.com
Subject: Re: Looking for a "peculiar" power transformer for audio applications

Date: 1999/02/20
Message-ID: <7akv6q$jrb$1@nnrp1.dejanews.com>#1/1
X-Deja-AN: 446238112
References: <36CCC4AA.64744385@verio.com>
X-Http-Proxy: 1.0 x12.dejanews.com:80 (Squid/1.1.22) for client 192.65.17.24
Organization: Deja News - The Leader in Internet Discussion
X-Article-Creation-Date: Sat Feb 20 00:21:56 1999 GMT
Newsgroups: sci.electronics.design,rec.audio,rec.ham-radio,rec.radio.amateur.misc
X-Http-User-Agent: Mozilla/3.0 (X11; U; SunOS 5.5.1 sun4u)

E.A. Sowter LTD (http://www.sowter.co.uk) will wind custom power and other audio transformers in any quantity for no additional charge, if you don't mind paying shipping from England. They charge only by the size of the core, not for how many windings you have, so you can have them do all kinds of funky taps. They also give free quotes and will tell you what size core you will have if you give them the voltage and current ratings of each winding. These transformers are a good value if you need high power and special features and are having trouble finding other sources.

Regards,
J. Bartlett, BSEE

and now the legalese... "any opinions or ideas expressed herein are strictly my own and are not necessarily those of my employer"

-----------== Posted via Deja News, The Discussion Network ==----------
http://www.dejanews.com/   Search, Read, Discuss, or Start Your Own

From -7559542189099093637
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6418e379813fbd2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b6418e379813fbd2,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,b6418e379813fbd2,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,b6418e379813fbd2,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa656,b6418e379813fbd2,start
X-Google-Attributes: gidfa656,public
From: "Bill Davis" <n2zso@magpage.com>
Subject: NATION WIDE HAMFESTS LISTS
Date: 1999/02/20
Message-ID: <7amm57$rp4$0@208.236.238.119>#1/1
X-Deja-AN: 446428248
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3

Greetings from Southern New Jersey

Could someone point me in the right direction where I can find a
Nation Wide List of Hamfests..

Thanx and 73 de Bill N2ZSO

From -3587556491297313746
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6418e379813fbd2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b6418e379813fbd2
X-Google-Attributes: gid108122,public
X-Google-Thread: fb049,b6418e379813fbd2
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa656,b6418e379813fbd2
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,b6418e379813fbd2
X-Google-Attributes: gid10ed5f,public
From: Wayne Faris <wfaris@binary.net>
Subject: Re: NATION WIDE HAMFESTS LISTS
Date: 1999/02/20
Message-ID: <36CEEC46.4D3FB3E1@binary.net>#1/1
X-Deja-AN: 446443065
Content-Transfer-Encoding: 7bit
References: <7amm57$rp4$0@208.236.238.119>
X-Accept-Language: en-US, en-GB, en
Content-Type: text/plain; charset=us-ascii
X-Trace: news2.giganews.com 919530559 207.140.121.142 (Sat, 20 Feb 1999 11:09:19 CDT)
MIME-Version: 1.0
NNTP-Posting-Date: Sat, 20 Feb 1999 11:09:19 CDT
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment

Try WorldRadio magazine or QST to start. If there were a good list
posted on the web I would like to see too. BTW, there are couple of
good ones coming up here in the Midwest soon. There is one March 5, 6,
& 7th at the ARRL Nebraska State convention in Norfolk, Nebraska at
Northeast Community College. For more info try
http://members.aol.com/davidn0xbn/evarc.html

From -4954047739885299933
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6418e379813fbd2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b6418e379813fbd2
X-Google-Attributes: gid108122,public

```
X-Google-Thread: fa656,b6418e379813fbd2
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,b6418e379813fbd2
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,b6418e379813fbd2
X-Google-Attributes: gidfb049,public
From: Tony Giroux <agiroux@cvn.net>
Subject: Re: NATION WIDE HAMFESTS LISTS
Date: 1999/02/20
Message-ID: <36CF3A9D.B877B55@cvn.net>#1/1
X-Deja-AN: 446547519
Content-Transfer-Encoding: 7bit
References: <7amm57$rp4$0@208.236.238.119>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
Organization: http://extra.newsguy.com
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment
```

This one is the best I've seen. The only ones not there are the ones not reported to ARRL.

http://www.arrl.org/hamfests.html

Tony -- KF3BX

Bill Davis wrote:

> Greetings from Southern New Jersey
>
> Could someone point me in the right direction where I can find a
> Nation Wide List of Hamfests..
>
> Thanx and 73 de Bill N2ZSO

```
From 5820597314431413084
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6418e379813fbd2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b6418e379813fbd2
X-Google-Attributes: gid108122,public
X-Google-Thread: fb049,b6418e379813fbd2
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,b6418e379813fbd2
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,b6418e379813fbd2
X-Google-Attributes: gidfa656,public
```

From: "DavidC" <davidc@bit-net.com>
Subject: Re: NATION WIDE HAMFESTS LISTS
Date: 1999/02/21
Message-ID: <01be5da4$38a35300$dc8492d0@Bit-Net.bit-net.com>#1/1
X-Deja-AN: 446711008
References: <7amm57$rp4$0@208.236.238.119>
X-Complaints-To: usenet@news2.bit-net.com
X-Trace: news2.bit-net.com 919606373 21104 208.146.132.220 (21 Feb 1999 14:12:53 GMT)
Organization: BIT-NET Internet Services
Reply-To: "DavidC" <k1yp@qsl.net>
NNTP-Posting-Date: 21 Feb 1999 14:12:53 GMT
Newsgroups: alt.ham-radio,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment

http://www.mnsinc.com/bry/hamlynx/hamfests.htm
73, DavidC K1YP

> Could someone point me in the right direction where I can find a
> Nation Wide List of Hamfests..
>
> Thanx and 73 de Bill N2ZSO

From -8843637725853559588
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,63d28c5677bf22ef,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,63d28c5677bf22ef,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f64c6,63d28c5677bf22ef,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 107ada,63d28c5677bf22ef,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,63d28c5677bf22ef,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,63d28c5677bf22ef,start
X-Google-Attributes: gidf76e2,public
From: lakki@walrus.megabaud.fi (Erik Finskas)
Subject: WTB: 50MHz module for Yaesu FT-736R
Date: 1999/02/27
Message-ID: <7b9qmb$fcj$1@news.kolumbus.fi>#1/1
X-Deja-AN: 449410264
Organization: Megabaud, Helsinki, Finland
Newsgroups:
rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.equipment,uk.radio.amateur,rec.ham-radio.swap,rec.ham-radio

Wanted!

50MHz (6m) module for Yaesu FT-736R

All offers via email! Also broken modules accepted!

Erik OH2LAK
--
Erik Finskas OH2LAK   Email   .... lakki@iki.fi
GSM +358-40-500-6800   oh2lak@sral.fi
** Life exists above 30MHz **   WWW   .... http://www.iki.fi/lakki/

From 2457270957393991063
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c5305c6f81919902,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11480d,c5305c6f81919902,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,c5305c6f81919902,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10e8ad,c5305c6f81919902,start
X-Google-Attributes: gid10e8ad,public
X-Google-Thread: 107ada,c5305c6f81919902,start
X-Google-Attributes: gid107ada,public
From: bperr@Nopremier1Spam.net
Subject: Free ham listserver
Date: 1999/03/02
Message-ID: <36dc4a91.51071126@news.premier1.net>#1/1
X-Deja-AN: 450487806
X-Trace: news.premier1.net 920407068 207.149.159.127 (Tue, 02 Mar 1999 12:37:48 PDT)
NNTP-Posting-Date: Tue, 02 Mar 1999 12:37:48 PDT
Newsgroups: rec.radio.amateur.space,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.misc

sorry for the bandwidth but found a new list server for 10 meter ham
radio and low orbit satellite at majordomo@mallard.net
send blank e-mail to majordomo@mallard.net for help file
if any one is interested.
Thanks
Bruce WA7LZE

From 9053188858610493104
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62b8f1a2dc8425e0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,62b8f1a2dc8425e0,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 108122,62b8f1a2dc8425e0,start
X-Google-Attributes: gid108122,public

```
X-Google-Thread: fc8b1,62b8f1a2dc8425e0,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f4535,62b8f1a2dc8425e0,start
X-Google-Attributes: gidf4535,public
X-Google-Thread: fc2a5,62b8f1a2dc8425e0,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 10c2ee,62b8f1a2dc8425e0,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 1109af,62b8f1a2dc8425e0,start
X-Google-Attributes: gid1109af,public
From: arnoldg@sf.telia.no (DEMOSTENES  A. Goksoyr)
Subject: FS: 250TH Lewis and Kaufman, brand new
Date: 1999/03/06
Message-ID: <36e151d6.882699@news1.telia.com>#1/1
X-Deja-AN: 451923233
X-NNTP-Posting-Host: t2o204p10.telia.com
Newsgroups: rec.antiques.radio+phono,rec.audio.tubes,rec.ham-
radio,rec.radio.amateur.boatanchors,rec.radio.amateur.homebrew,rec.radio.shortwave
,rec.radio.swap,rec.radio.amateur.equipment
X-Complaints-To: abuse@telia.no

I have 6 pcs 250TH Lewis and Kaufman - probably made on license from
Eimac - for sale. These are brand new, in original super heavy duty
military boxes. Never been used. A very nice valve, indeed.
E-mail me if you are interested.

Best regards,

Arnold Goksoyr

DEMOSTENES  A. Goksoyr
N5850 Balestrand
NORWAY
Phone +47 5769 1340
Fax   +47 5769 1267
e-mail arnoldg@sf.telia.no

More than 1800 different valves in stock. Plus: sockets,
transformers, caps, resistors and books about valves and
valve equipment. Many rare European valve types.
You will find it at my homepage: http://demostenes.vestdata.no



From -4283883834634758295
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98230261c0f5cf31,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,98230261c0f5cf31,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,98230261c0f5cf31,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fc2a5,98230261c0f5cf31,start
```

X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fc8b1,98230261c0f5cf31,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f4535,98230261c0f5cf31,start
X-Google-Attributes: gidf4535,public
X-Google-Thread: 10c2ee,98230261c0f5cf31,start
X-Google-Attributes: gid10c2ee,public
From: arnoldg@sf.telia.no (DEMOSTENES A. Goksoyr)
Subject: FS: Russian 6C4C (=6B4G)
Date: 1999/03/06
Message-ID: <36e1520c.937075@news1.telia.com>#1/1
X-Deja-AN: 451926478
X-NNTP-Posting-Host: t2o204p10.telia.com
Newsgroups: rec.antiques.radio+phono,rec.audio.tubes,rec.ham-radio,rec.radio.amateur.boatanchors,rec.radio.amateur.homebrew,rec.radio.swap,rec.radio.amateur.equipment
X-Complaints-To: abuse@telia.no

I have found some of these excellent 6B4G valves. 6C4C in Russia is equivalent to 6B4G and it looks identical to the old Sylvania 6B4G with double anode stapped together by a metal plate, not the type with two separate anodes. The 6C4C valves is very well built and give you an impression of high quality. It is unlike the new Sovtek 6B4G which looks like a scaled down Sovtek 300B with a single anode.
E-mail me if you are interested.

Best regards,

Arnold Goksoyr

DEMOSTENES A. Goksoyr
N5850 Balestrand
NORWAY
Phone +47 5769 1340
Fax   +47 5769 1267
e-mail arnoldg@sf.telia.no

More than 1800 different valves in stock. Plus: sockets, transformers, caps, resistors and books about valves and valve equipment. Many rare European valve types.
You will find it at my homepage: http://demostenes.vestdata.no

From -1436948026202401936
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8dea02a65e0ffc04,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,8dea02a65e0ffc04,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 114a57,8dea02a65e0ffc04,start
X-Google-Attributes: gid114a57,public

```
X-Google-Thread: 10ed5f,8dea02a65e0ffc04,start
X-Google-Attributes: gid10ed5f,public
From: Daren Hebold <d_hebold@altitudeinc.com>
Subject: Weather Frequency Question
Date: 1999/03/12
Message-ID: <36E97E06.37C0833E@altitudeinc.com>#1/1
X-Deja-AN: 454322884
Content-Type: multipart/mixed; boundary="------------8F5A51A59B5DACF63B5785B1"
X-Complaints-To: abuse@home.net
X-Trace: news.rdc1.ct.home.com 921271791 209.19.49.121 (Fri, 12 Mar 1999 12:49:51
PDT)
Organization: @Work Internet powered by @Home Network
MIME-Version: 1.0
NNTP-Posting-Date: Fri, 12 Mar 1999 12:49:51 PDT
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio,rec.ham-radio,alt.ham-radio.hf

This is a multi-part message in MIME format.
--------------8F5A51A59B5DACF63B5785B1
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit



Hello,
I know that the "weather frequency" is 162.4-162.55 MHz. I have a
question, however, that pertains to the NOAA emergency broadcast tone.
First, is there a header of some kind to "wake up" a sleeping weather
radio for the emergency tone?
Second, how often would the weather radio have to sample the airwaves in
order to be able to receive this emergency alert header?

Any info would be GREATLY appreciated!
_Daren

--------------8F5A51A59B5DACF63B5785B1
Content-Type: text/x-vcard; charset=us-ascii; name="vcard.vcf"
Content-Transfer-Encoding: 7bit
Content-Description: Card for Daren Hebold
Content-Disposition: attachment; filename="vcard.vcf"

begin:          vcard
fn:             Daren Hebold
n:              Hebold;Daren
email;internet: d_hebold@altitudeinc.com
title:          Pro Engineer
x-mozilla-cpt:  ;0
x-mozilla-html: TRUE
version:        2.1
end:            vcard


--------------8F5A51A59B5DACF63B5785B1--
```

From 753647421411613829
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8dea02a65e0ffc04
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,8dea02a65e0ffc04
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,8dea02a65e0ffc04
X-Google-Attributes: gid114a57,public
X-Google-Thread: fb049,8dea02a65e0ffc04
X-Google-Attributes: gidfb049,public
From: Mitchell Katz <mcguyver@bv.net>
Subject: Re: Weather Frequency Question
Date: 1999/03/12
Message-ID: <36E9BA9F.823A888D@bv.net>#1/1
X-Deja-AN: 454399037
Content-Transfer-Encoding: 7bit
References: <36E97E06.37C0833E@altitudeinc.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: news13.ispnews.com 921287275 206.138.244.190 (Fri, 12 Mar 1999 20:07:55 EDT)
MIME-Version: 1.0
Reply-To: mcguyver@bv.net
NNTP-Posting-Date: Fri, 12 Mar 1999 20:07:55 EDT
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio,rec.ham-radio,alt.ham-radio.hf

I understand, and don't quote me, 1050Hz, and tone length is a few seconds, depending on receiver. You can call the NOAA closest to you and ask, they may have that answer if a HAM works there..

Good luck.

Daren Hebold wrote:

> Hello,
> I know that the "weather frequency" is 162.4-162.55 MHz. I have a
> question, however, that pertains to the NOAA emergency broadcast tone.
> First, is there a header of some kind to "wake up" a sleeping weather
> radio for the emergency tone?
> Second, how often would the weather radio have to sample the airwaves in
> order to be able to receive this emergency alert header?
>
> Any info would be GREATLY appreciated!
> _Daren

From 7460283809547382743
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,8dea02a65e0ffc04
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,8dea02a65e0ffc04
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,8dea02a65e0ffc04
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,8dea02a65e0ffc04
X-Google-Attributes: gid114a57,public
From: Don or Darla Arnold <DArnold@datasync.com>
Subject: Re: Weather Frequency Question
Date: 1999/03/12
Message-ID: <36E9D92C.151B6701@datasync.com>#1/1
X-Deja-AN: 454431052
Content-Transfer-Encoding: 7bit
References: <36E97E06.37C0833E@altitudeinc.com>
To: Daren Hebold <d_hebold@altitudeinc.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
Organization: AMC Internet
Mime-Version: 1.0
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio,rec.ham-radio,alt.ham-radio.hf

Go here
offical NWS radio page
http://www.nws.noaa.gov/nwr/index.html
don
kb5fhx

Daren Hebold wrote:

> Hello,
> I know that the "weather frequency" is 162.4-162.55 MHz. I have a
> question, however, that pertains to the NOAA emergency broadcast tone.
> First, is there a header of some kind to "wake up" a sleeping weather
> radio for the emergency tone?
> Second, how often would the weather radio have to sample the airwaves in
> order to be able to receive this emergency alert header?
>
> Any info would be GREATLY appreciated!
> _Daren

--
OUR WEB PAGE UPDATED 01 JAN 99
http://www.geocities.com/Heartland/Valley/6430 Darla and Don's Website
http://hattiesburg.net/columns/darnold.shtml My online column

DARLA (dawn) ICQ# 7341931
Don (weathernut) ICQ# 14664294

Never argue with an idiot. He'll drag you down to his level,
then beat you with experience.

From -2157371044445582904
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aec92d928efe988a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,aec92d928efe988a,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,aec92d928efe988a,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fc8b1,aec92d928efe988a,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f4535,aec92d928efe988a,start
X-Google-Attributes: gidf4535,public
X-Google-Thread: 10c2ee,aec92d928efe988a,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fc2a5,aec92d928efe988a,start
X-Google-Attributes: gidfc2a5,public
From: arnoldg@sf.telia.no (DEMOSTENES A. Goksoyr)
Subject: FS: Russian 6C4C (=6B4G)
Date: 1999/03/14
Message-ID: <36ebf910.2248464@news1.telia.com>#1/1
X-Deja-AN: 454916177
X-NNTP-Posting-Host: t2o204p56.telia.com
Newsgroups: rec.antiques.radio+phono,rec.audio.tubes,rec.ham-radio,rec.radio.amateur.boatanchors,rec.radio.amateur.homebrew,rec.radio.swap,rec.radio.amateur.equipment
X-Complaints-To: abuse@telia.no

I have found some of these excellent 6B4G valves. 6C4C in Russia is equivalent to 6B4G and it looks identical to the old Sylvania 6B4G with double anode stapped together by a metal plate, not the type with two separate anodes. The 6C4C valves is very well built and give you an impression of high quality. It is unlike the new Sovtek 6B4G which looks like a scaled down Sovtek 300B with a single anode.
E-mail me if you are interested.

Best regards,

Arnold Goksoyr

DEMOSTENES A. Goksoyr
N5850 Balestrand
NORWAY
Phone +47 5769 1340
Fax   +47 5769 1267
e-mail arnoldg@sf.telia.no

More than 1800 different valves in stock. Plus: sockets, transformers, caps, resistors and books about valves and

valve equipment. Many rare European valve types.
You will find it at my homepage: http://demostenes.vestdata.no

---

From 2399863855199004030
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8dea02a65e0ffc04
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,8dea02a65e0ffc04
X-Google-Attributes: gid114a57,public
X-Google-Thread: fb049,8dea02a65e0ffc04
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,8dea02a65e0ffc04
X-Google-Attributes: gid10ed5f,public
From: Patricia Gibbons <wa6ube@ix.netcom.com>
Subject: Re: Weather Frequency Question
Date: 1999/03/15
Message-ID: <36EDC5A0.7D76@ix.netcom.com>#1/1
X-Deja-AN: 455473243
Content-Transfer-Encoding: 7bit
References: <36E97E06.37C0833E@altitudeinc.com>
To: Daren Hebold <d_hebold@altitudeinc.com>
Content-Type: text/plain; charset=us-ascii
Organization: City of San Jose - ITD Communications
X-NETCOM-Date: Mon Mar 15 8:52:50 PM CST 1999
Mime-Version: 1.0
Reply-To: wa6ube@ix.netcom.com
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio,rec.ham-radio,alt.ham-radio.hf

Please note that the NOAA weather alerts are moving to
the new "EAS" "Emergency Alert System" which actually
sends data over the air.

There are LOW COST receivers that are just starting
to show up on the market for consumer use that detect
and/or decode the EAS protocol.

I've purchased two of the new EAS alert receivers
made my Oregon Scientific (imported by the way)
for as low as $40.00 at a local electronics store

You might want to look into the new EAS protocol
instead of 1020 or 1050 Hz decoders ..

Trish
-

Patricia E. Gibbons
Acting Chief Communications Technician
City of San Jose - ITD/communications
....

My Public Key is available at:
<http://pgp5.ai.mit.edu/pks-commands.html>
Key ID: 0xEDECB44F
This key is RSA, NOT Diffie-Hellman !!

Daren Hebold wrote:
>
> Hello,
> I know that the "weather frequency" is 162.4-162.55 MHz. I have a
> question, however, that pertains to the NOAA emergency broadcast tone.
> First, is there a header of some kind to "wake up" a sleeping weather
> radio for the emergency tone?
> Second, how often would the weather radio have to sample the airwaves in
> order to be able to receive this emergency alert header?
>
> Any info would be GREATLY appreciated!
> _Daren

-

From 3955836583727783OO
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a988ceefa5f7f45,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,1a988ceefa5f7f45,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 1109af,1a988ceefa5f7f45,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 10c2ee,1a988ceefa5f7f45,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 108122,1a988ceefa5f7f45,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,1a988ceefa5f7f45,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fc2a5,1a988ceefa5f7f45,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f4535,1a988ceefa5f7f45,start
X-Google-Attributes: gidf4535,public
From: arnoldg@sf.telia.no (DEMOSTENES A. Goksoyr)
Subject: FS: 250TH Lewis and Kaufman, brand new
Date: 1999/03/18
Message-ID: <36f182dd.772904@news1.telia.com>#1/1
X-Deja-AN: 456282194
X-NNTP-Posting-Host: t1o204p43.telia.com
Newsgroups: rec.antiques.radio+phono,rec.audio.tubes,rec.ham-radio,rec.radio.amateur.boatanchors,rec.radio.amateur.homebrew,rec.radio.shortwave,rec.radio.swap,rec.radio.amateur.equipment
X-Complaints-To: abuse@telia.no

I have 6 pcs 250TH Lewis and Kaufman for sale. They are probably made

on license from Eimac. These are brand new, in original super heavy
duty military boxes. Never been used. A very nice valve, indeed.
E-mail me if you are interested.

Best regards,

Arnold Goksoyr

DEMOSTENES A. Goksoyr
N5850 Balestrand
NORWAY
Phone +47 5769 1340
Fax   +47 5769 1267
e-mail arnoldg@sf.telia.no

More than 1800 different valves in stock. Plus: sockets,
transformers, caps, resistors and books about valves and
valve equipment. Many rare European valve types.
You will find it at my homepage: http://demostenes.vestdata.no

```
From 4405169752450210301
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2124550364f4f363
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,2124550364f4f363
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10ddf1,2124550364f4f363
X-Google-Attributes: gid10ddf1,public
X-Google-Thread: 114cd0,2124550364f4f363
X-Google-Attributes: gid114cd0,public
X-Google-Thread: f76e2,2124550364f4f363
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 115f9f,2124550364f4f363
X-Google-Attributes: gid115f9f,public
From: roma <roma@igrotek.elcom.ru>
Subject: Re: New ham-com Software
Date: 1999/03/18
Message-ID: <36F1450D.B6E33070@igrotek.elcom.ru>#1/1
X-Deja-AN: 457868671
References: <7ce4cd$3ts$1@news2.xs4all.nl>
To: Stef Oost <oost@rwa.nl>
X-Accept-Language: ru
Content-Type: multipart/alternative;
boundary="------------9FE4F77F0B1DAC12D0713B55"
Organization: LIFE IS NOTHING
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-
radio.swap,relcom.radio.ham,sfnet.harrastus.ham,slac.rec.ham_radio


--------------9FE4F77F0B1DAC12D0713B55
```

Content-Type: text/plain; charset=koi8-r
Content-Transfer-Encoding: 7bit

File Not Found

The requested URL /pa3eyk was not found on this server.

what the hell is that ???

--------------9FE4F77F0B1DAC12D0713B55
Content-Type: text/html; charset=koi8-r
Content-Transfer-Encoding: 7bit

```
<!doctype html public "-//w3c//dtd html 4.0 transitional//en">
<html>
<font size=+4>File Not Found</font><font size=+2></font>
<p><font size=+2>The requested URL /pa3eyk was not found on this server.</
font><font size=+2></font>
<p><i><font size=+2>what the hell is that ???</font></i></html>
```

--------------9FE4F77F0B1DAC12D0713B55--

From -4383912683154840
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,19f37d30dd5c9a5a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,19f37d30dd5c9a5a,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,19f37d30dd5c9a5a,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc8b1,794d24905923bf37
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fc2a5,19f37d30dd5c9a5a,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,19f37d30dd5c9a5a,start
X-Google-Attributes: gidfa656,public
From: "John Mackesy" <mack@melbpc.org.au>
Subject: FS: Collins SM-3 Microphone
Date: 1999/03/19
Message-ID: <7csmlk$om6$1@possum.melbpc.org.au>#1/1
X-Deja-AN: 456375073
Organization: Melbourne PC User Group, Australia
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

Collins SM-3, with original curly cord, PJ 068 connector, cloth bag and
original shipping box. Very good condition, but missing Collins (round)

emblem - few minor marks on mic barrel & base. $350.00 shipped airmail
anywhere in USA.

John Mackesy
mack@melbpc.org.au

From 8308148865238940073
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,960919d9c8d4ebea,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,960919d9c8d4ebea,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,960919d9c8d4ebea,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,960919d9c8d4ebea,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 12843e,960919d9c8d4ebea,start
X-Google-Attributes: gid12843e,public
X-Google-Thread: f76e2,960919d9c8d4ebea,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc8b1,960919d9c8d4ebea,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1146d3,960919d9c8d4ebea,start
X-Google-Attributes: gid1146d3,public
From: "Hal" <wd4mda@gte.net>
Subject: WTB: Ten Tec Tuner Omni D
Date: 1999/04/03
Message-ID: <7e5439$si8$2@news-2.news.gte.net>#1/1
X-Deja-AN: 462266661
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Organization: gte.net
X-Auth: 5316C1D55DDE04D349180412
Newsgroups: alt.ham-radio.marketplace,fido.ham-sale,fido7.hamradio,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap

Looking for Ten Tec tuner that matches Omni D series "B".
State condition & price , and please e mail me. This tuner should have
an aluminum ring around the face, just like the rest of the matching
equipment. Know one is sure of the model number?

```
--
73 Hal
wd4mda@gte.net
```

```
From -6168142285422568563
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 108228,aac7319839dc289a,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,aac7319839dc289a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,aac7319839dc289a,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f5341,aac7319839dc289a,start
X-Google-Attributes: gidf5341,public
From: "Someone!" <pickards@zen.co.uk>
Subject: VHF/UHF or Mobile
Date: 1999/04/08
Message-ID: <9gVO2.5$s63.41@news-reader.bt.net>#1/1
X-Deja-AN: 463889390
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Trace: news-reader.bt.net 923541637 212.23.8.2 (Thu, 08 Apr 1999 04:20:37 BST)
Reply-To: "Someone!" <pickards@zen.com.uk>
NNTP-Posting-Date: Thu, 08 Apr 1999 04:20:37 BST
Newsgroups: alt.radio.scanner.uk,rec.radio.amateur,rec.ham-radio,alt.ham-
radio.marketplace

 Hi,
     I'm about to start training for my NRAE (UK).  I need a HT or moblie
 that is under �100
 Somthing decent.  Doesn't have to be a "brand".  I'm not bothered about
 apperances but it must work to the UK specs etc...

 Please email me:

 <Pickards@zen.co.uk>

 73 de David
```

```
From -5109429717259952410
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,47432ee4b1e77277,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,47432ee4b1e77277,start
```

```
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,47432ee4b1e77277,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,47432ee4b1e77277,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,47432ee4b1e77277,start
X-Google-Attributes: gid1031c8,public
From: Mike Schuckert <mikes@newulmtel.net>
Subject: FS: Ft 1000D
Date: 1999/04/09
Message-ID: <370EAF96.4315@newulmtel.net>#1/1
X-Deja-AN: 464652725
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@mr.net
X-Trace: news.mr.net 923688114 1665 206.10.54.214 (9 Apr 1999 20:01:54 GMT)
Organization: Schuckert TV & Auto
Mime-Version: 1.0
Reply-To: mikes@newulmtel.net
NNTP-Posting-Date: 9 Apr 1999 20:01:54 GMT
Newsgroups:
rec.radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.amateu
r,rec.ham-radio

radio is in perfect condition. $2825.00 plus shipping. It also has
optional filters. email to  mikes@newulmtel.net



From -6548701520167843524
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,f121d51998ea0aa9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,f121d51998ea0aa9,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc2a5,f121d51998ea0aa9,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 1031c8,f121d51998ea0aa9,start
X-Google-Attributes: gid1031c8,public
From: WebMonkey <click@thebottom.com>
Subject: WTB:UHF [70cm] mobile motorola duplexer, please ;-)
Date: 1999/04/09
Message-ID: <370ED33C.17BF@thebottom.com>#1/1
X-Deja-AN: 464686465
Content-Transfer-Encoding: 8bit
X-Original-NNTP-Posting-Host: rolla-mo-240.fidnet.com
Content-Type: text/plain; charset=iso-8859-1
X-Trace: 9 Apr 1999 23:27:22 -0600, rolla-mo-240.fidnet.com
X-Authenticated-User: demoman
Organization: RollaNet
MIME-Version: 1.0
Reply-To: click@thebottom.com
Newsgroups: rec.ham-
```

```
radio,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.amateur.homebre
w

the below listed repeater needs a 70cm motorola mobile duplexer.
it only runs 25 watts output on 70cm so it's a good match.
quite awhile ago, someone was selling them for $50 but no contact.
anyone out there care to help out the machine.
thanks for your time.
email below
--
A.C. Curtis
KB�WLF
53.45 and 442.45, 77.0Hz enc/dec [multi-cast repeater system]
mailto:demoman@rollanet.org
http://www.rollanet.org/~demoman



From -1080310580778422748
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,612bb0ed738128e9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,612bb0ed738128e9,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,612bb0ed738128e9,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,612bb0ed738128e9,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f64c6,612bb0ed738128e9,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fb049,612bb0ed738128e9,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: fe552,612bb0ed738128e9,start
X-Google-Attributes: gidfe552,public
X-Google-Thread: fc2a5,612bb0ed738128e9,start
X-Google-Attributes: gidfc2a5,public
From: _Mac_ <mcgyv@hotmail.com>
Subject: Yaesu 8100 Mod Page
Date: 1999/04/12
Message-ID: <37119350.8A23A64@hotmail.com>#1/1
X-Deja-AN: 465372038
Content-Transfer-Encoding: 7bit
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Trace: newsfeed.slurp.net 923898562 216.16.3.230 (Mon, 12 Apr 1999 01:29:22 CDT)
MIME-Version: 1.0
NNTP-Posting-Date: Mon, 12 Apr 1999 01:29:22 CDT
Newsgroups:
rec.radio.amateur.equipment,rec.radio.amateur,rec.radio.amateur.homebrew,rec.ham-
radio,alt.ham-radio.vhf-
uhf,rec.radio.swap,es.rec.radio.amateur,uk.radio.amateur,alt.ham-
radio.marketplace,rec.radio.amateur.misc
```

Yaesu FT 8100 R Modification Page

The Original 8100R Mod page. New Location

http://www.iw.net/~mac24

73's
Mac
Icq: # 3115848
mcgyv@hotmail.com

From -1029470668007918354
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,612bb0ed738128e9
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,612bb0ed738128e9
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108122,612bb0ed738128e9
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,612bb0ed738128e9
X-Google-Attributes: gidfa656,public
X-Google-Thread: f64c6,612bb0ed738128e9
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fe552,612bb0ed738128e9
X-Google-Attributes: gidfe552,public
X-Google-Thread: fb049,612bb0ed738128e9
X-Google-Attributes: gidfb049,public
X-Google-Thread: fc2a5,612bb0ed738128e9
X-Google-Attributes: gidfc2a5,public
From: Brad Kellison KA8TOK <KA8TOK@four-way.net>
Subject: Re: Yaesu 8100 Mod Page
Date: 1999/04/12
Message-ID: <3711DE98.5D7F4981@four-way.net>#1/1
X-Deja-AN: 465438517
References: <37119350.8A23A64@hotmail.com>
X-Accept-Language: en
Content-Type: multipart/mixed; boundary="------------7B60346C56131B4CE5303F3D"
X-Trace: news2.randori.com 923918063 208.231.154.12 (Mon, 12 Apr 1999 04:54:23 PDT)
MIME-Version: 1.0
NNTP-Posting-Date: Mon, 12 Apr 1999 04:54:23 PDT
Newsgroups:
rec.radio.amateur.equipment,rec.radio.amateur,rec.radio.amateur.homebrew,rec.ham-radio,alt.ham-radio.vhf-uhf,rec.radio.swap,es.rec.radio.amateur,uk.radio.amateur,alt.ham-radio.marketplace,rec.radio.amateur.misc

This is a multi-part message in MIME format.
--------------7B60346C56131B4CE5303F3D
Content-Type: text/plain; charset=us-ascii

```
Content-Transfer-Encoding: 7bit

you can also get the mod from WWW.QRZ.COM/MODS . I know I put it there
ehrn your site dropped the last time.

_Mac_ wrote:

> Yaesu FT 8100 R Modification Page
>
> The Original 8100R Mod page.  New Location
>
> http://www.iw.net/~mac24
>
> 73's
> _Mac_
> Icq:  # 3115848
> mcgyv@hotmail.com

--------------7B60346C56131B4CE5303F3D
Content-Type: text/x-vcard; charset=us-ascii;
 name="KA8TOK.vcf"
Content-Transfer-Encoding: 7bit
Content-Description: Card for Brad Kellison KA8TOK
Content-Disposition: attachment;
 filename="KA8TOK.vcf"

begin:vcard
n:Kellison;Brad
x-mozilla-html:TRUE
adr:;;;;;;
version:2.1
email;internet:ka8tok@four-way.net
x-mozilla-cpt:;-3440
fn:Brad KA8TOK
end:vcard

--------------7B60346C56131B4CE5303F3D--




From -6360045077767302331
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1e388874651be9a3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 101376,1e388874651be9a3,start
X-Google-Attributes: gid101376,public
X-Google-Thread: fa029,1e388874651be9a3,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1109af,1e388874651be9a3,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1070c7,1e388874651be9a3,start
X-Google-Attributes: gid1070c7,public
```

X-Google-Thread: 14faa8,1e388874651be9a3,start
X-Google-Attributes: gid14faa8,public
X-Google-Thread: fb049,1e388874651be9a3,start
X-Google-Attributes: gidfb049,public
From: Chris Chamberlain and Rachael Rhoads <mailto:ccrc@epix.net>
Subject: FS on EBAY UHF Radio TEKK-T-60 Portable
Date: 1999/04/12
Message-ID: <37120E88.46F6@epix.net>#1/1
X-Deja-AN: 465498276
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Organization: epix Internet Services
Mime-Version: 1.0
Reply-To: ccrc@epix.net
Newsgroups: misc.emerg-services,rec.radio.scanner,rec.ham-radio,alt.ham-radio.vhf-uhf,rec.radio.swap,alt.firefighters,alt.emergency-services.dispatcher

Hello,

Check out my auction on Ebay for a TEKK T-60 5 watt 2 channel UHF portable radio! Like new condiditon. With nicad pack (holds good charge) and charger. Currently on "brown dot" business frequencies, but can be changed to your frequency by your local TEKK dealer. BIDDING STATRTING AT $45.00!!!! This is a great deal!! Check it out!!

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=90177678

--
This Message Originated from the Computer of
Chris Chamberlain and Rachael Rhoads
mailto:ccrc@epix.net
Have a Nice Day.

From 3950575827637190596
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 101376,f8a95dea066a1f29,start
X-Google-Attributes: gid101376,public
X-Google-Thread: fb049,f8a95dea066a1f29,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1109af,f8a95dea066a1f29,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 10c9e3,f8a95dea066a1f29,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,f8a95dea066a1f29,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 14faa8,f8a95dea066a1f29,start
X-Google-Attributes: gid14faa8,public
X-Google-Thread: 1070c7,f8a95dea066a1f29,start
X-Google-Attributes: gid1070c7,public
From: Chris Chamberlain and Rachael Rhoads <mailto:ccrc@epix.net>
Subject: FS on EBAY Portable Radio Pair- VHF Radio Shack 2 channel, 1 watt
Date: 1999/04/12

Message-ID: <371210DB.625@epix.net>#1/1
X-Deja-AN: 465501624
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Organization: epix Internet Services
Mime-Version: 1.0
Reply-To: ccrc@epix.net
Newsgroups: misc.emerg-services,rec.radio.scanner,rec.ham-radio,alt.ham-radio.vhf-uhf,rec.radio.swap,alt.firefighters,alt.emergency-services.dispatcher

Hello,

Check out my auctiion on EBAY for a pair of Radio Shack VHF portable radios. These are two channel, 1 watt VHF business band radios set on freqeucny 154.600 (channel a). Other freqeucneies are avaiable from you Radio Shack dealer for channel b. Normal wear, but in good condition. Includes nicad packs, belt clips, and flexible antenna for each radio. Also will include a charger at no extra cost!!! BIDDING IS STARTING AT $45.00 FOR THE PAIR!!!!!!!! This is a great deal!!!! Check it out!!!!

    http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=90172120

--
This Message Originated from the Computer of
Chris Chamberlain and Rachael Rhoads
mailto:ccrc@epix.net
Have a Nice Day.

From -2576434863770419097
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1e388874651be9a3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 101376,1e388874651be9a3
X-Google-Attributes: gid101376,public
X-Google-Thread: 1109af,1e388874651be9a3
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa029,1e388874651be9a3
X-Google-Attributes: gidfa029,public
X-Google-Thread: 14faa8,1e388874651be9a3
X-Google-Attributes: gid14faa8,public
X-Google-Thread: 1070c7,1e388874651be9a3
X-Google-Attributes: gid1070c7,public
X-Google-Thread: fb049,1e388874651be9a3
X-Google-Attributes: gidfb049,public
From: "Kurt Fritsch DAT2 Communications" <dat2comm@toad.net>
Subject: Re: FS on EBAY UHF Radio TEKK-T-60 Portable
Date: 1999/04/12
Message-ID: <U3vQ2.802$BA4.5855794@news-read1.qis.net>#1/1
X-Deja-AN: 465666013
References: <37120E88.46F6@epix.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Complaints-To: abuse@toad.net

```
X-Trace: news-read1.qis.net 923958644 209.49.30.29 (Mon, 12 Apr 1999 19:10:44 EDT)
NNTP-Posting-Date: Mon, 12 Apr 1999 19:10:44 EDT
Newsgroups: misc.emerg-services,rec.radio.scanner,rec.ham-radio,alt.ham-radio.vhf-
uhf,rec.radio.swap,alt.firefighters,alt.emergency-services.dispatcher

I am a TEKK Dealer, so if the buyer of this needs the freqs. changed, let me
know.

--
Kurt Fritsch  WA3TOY
Owner
DAT2 Communications
dat2comm@toad.net    or    dat2comm@juno.com
(410) 360-2260
Chris Chamberlain and Rachael Rhoads wrote in message
<37120E88.46F6@epix.net>...
>Hello,
>
> Check out my auction on Ebay for a TEKK T-60 5 watt 2 channel UHF
>portable radio! Like new condiditon.  With nicad pack (holds good
>charge) and charger.  Currently on "brown dot" business frequencies, but
>can be changed to your frequency by your local TEKK dealer.  BIDDING
>STATRTING AT $45.00!!!!  This is a great deal!! Check it out!!
>
>    http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=90177678
>--
> This Message Originated from the Computer of
>       Chris Chamberlain and Rachael Rhoads
>     mailto:ccrc@epix.net
>          Have a Nice Day.




From 170849845494165486
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e6f7b037aa92f10f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,e6f7b037aa92f10f,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 115af6,e6f7b037aa92f10f,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: f7653,e6f7b037aa92f10f,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: fa656,e6f7b037aa92f10f,start
X-Google-Attributes: gidfa656,public
From: Peter Fournia <glide@frontiernet.net>
Subject: Iphone Repeaterlink demo
Date: 1999/04/14
Message-ID: <37144328.97BE2186@frontiernet.net>#1/1
X-Deja-AN: 466272676
Content-Transfer-Encoding: 7bit
```

X-Accept-Language: en,en-US,en-GB,es,fr-FR,de
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@frontiernet.net
X-Trace: node17.cwnet.frontiernet.net 924092702 37674 209.130.220.200 (14 Apr 1999 12:25:02 GMT)
Organization: Frontier GlobalCenter Inc.
Mime-Version: 1.0
Reply-To: glide@frontiernet.net
NNTP-Posting-Date: 14 Apr 1999 12:25:02 GMT
Newsgroups:
rec.radio.amateur.misc,rec.radio.amateur,rec.radio,rec.radio.amateur.digital.misc,rec.ham-radio

We will demo Iphone Repeaterlink to a 5th grade class today.

Please call for K2DJ. Look for the K2COP repeater in the REPEATERLINK room.

We will be monitoring the repeater output in Fairport, NY at 1515 UTC (11:15 AM eastern time) today, Wednesday, April 14.

Sorry for the late notice. This demo is for a Radio Coaches class (the last of 10 classes).

73,
Peter, W2SKY

From -7453350070011801552
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e6f7b037aa92f10f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,e6f7b037aa92f10f
X-Google-Attributes: gidfa656,public
X-Google-Thread: f7653,e6f7b037aa92f10f
X-Google-Attributes: gidf7653,public
X-Google-Thread: 107ada,e6f7b037aa92f10f
X-Google-Attributes: gid107ada,public
X-Google-Thread: 115af6,e6f7b037aa92f10f
X-Google-Attributes: gid115af6,public
From: va3rzs@rac.ca (Rick)
Subject: Re: Iphone Repeaterlink demo
Date: 1999/04/15
Message-ID: <37155ec5.40540291@news.cgocable.net>#1/1
X-Deja-AN: 466573264
References: <37144328.97BE2186@frontiernet.net>
X-Trace: 14 Apr 1999 23:29:59 -0500, cgowave-32-166.cgocable.net
Newsgroups:
rec.radio.amateur.misc,rec.radio.amateur,rec.radio,rec.radio.amateur.digital.misc,

rec.ham-radio

On Wed, 14 Apr 1999 08:26:32 +0100, Peter Fournia
<glide@frontiernet.net> wrote:

can you tell me what the site is ?? and how you are setting it up I
would not mind doing this with our local repeater here in Peterborough
On. Canada

thank you

>We will demo Iphone Repeaterlink to a 5th grade class today.
>
>Please call for K2DJ. Look for the K2COP repeater in the REPEATERLINK
>room.
>
>We will be monitoring the repeater output in Fairport, NY at 1515 UTC
>(11:15 AM eastern time) today, Wednesday, April 14.
>
>Sorry for the late notice. This demo is for a Radio Coaches class (the
>last of 10 classes).
>
>73,
>Peter, W2SKY
>
>
>

From 4962418345089609106
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e7c4c7d3a9bbb622,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,e7c4c7d3a9bbb622,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,e7c4c7d3a9bbb622,start
X-Google-Attributes: gidfa656,public
From: "Someone!" <pickards@zen.co.uk>
Subject: Motorolla CD 100 SRBR (UK)
Date: 1999/04/15
Message-ID: <e%tR2.1660$DX2.306@news-reader.bt.net>#1/1
X-Deja-AN: 466905875
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Trace: news-reader.bt.net 924216394 212.23.8.2 (Thu, 15 Apr 1999 23:46:34 BST)
Reply-To: "Someone!" <pickards@zen.com.uk>
NNTP-Posting-Date: Thu, 15 Apr 1999 23:46:34 BST
Newsgroups: rec.radio.amateur,rec.radio.amateur.homebrew,rec.ham-radio

Hi,
    I've recently got two Motorolla CD 100 SRBR (Short Range Business Radio)
rigs, they are set on 461.170mhz. I've been told that I can convert these

for use on the 70cm/2m band?!
Is this true? Plus I need any info on these rigs...Plus(again) does anyone
have any info on "Zycomm U-200" SRBR handheld?

Cheers..

David

please remove "zen.coM.uk" so it reads "zen.co.uk"
W/out the quotes

From 2609430874604450504
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,612bb0ed738128e9
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,612bb0ed738128e9
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,612bb0ed738128e9
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,612bb0ed738128e9
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb049,612bb0ed738128e9
X-Google-Attributes: gidfb049,public
X-Google-Thread: f64c6,612bb0ed738128e9
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fc2a5,612bb0ed738128e9
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fe552,612bb0ed738128e9
X-Google-Attributes: gidfe552,public
From: "Daniel J. Velez" <dvelez@citizen.infi.net>
Subject: Re: Yaesu 8100 Mod Page
Date: 1999/04/15
Message-ID: <7f5td7$ki9$1@nw001t.infi.net>#1/1
X-Deja-AN: 466923020
References: <37119350.8A23A64@hotmail.com> <3711DE98.5D7F4981@four-way.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Organization: InfiNet
Newsgroups:
rec.radio.amateur.equipment,rec.radio.amateur,rec.radio.amateur.homebrew,rec.ham-radio,alt.ham-radio.vhf-uhf,rec.radio.swap,es.rec.radio.amateur,uk.radio.amateur,alt.ham-radio.marketplace,rec.radio.amateur.misc

It's an Apache server and doesn't like the caps. Try:

www.qrz.com/mods/

73 de Dan

Brad Kellison KA8TOK wrote in message <3711DE98.5D7F4981@four-way.net>...
>you can also get the mod from WWW.QRZ.COM/MODS . I know I put it there
>ehrn your site dropped the last time.
>
>_Mac_ wrote:
>
>> Yaesu FT 8100 R Modification Page
>>
>> The Original 8100R Mod page. New Location
>>
>> http://www.iw.net/~mac24
>>
>> 73's
>> _Mac_
>> Icq: # 3115848
>> mcgyv@hotmail.com
>

From 8103128264383489001
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,884c9635576f819,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115af6,884c9635576f819,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 1109af,884c9635576f819,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1009ad,884c9635576f819,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 1031c8,884c9635576f819,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,884c9635576f819,start
X-Google-Attributes: gidf76e2,public
From: "Kurt Hoerz" <khoerz@accessus.net>
Subject: FS Plectron Receiver/Recorders
Date: 1998/12/30
Message-ID: <368a5f6b.0@news.accessus.net>#1/1
X-Deja-AN: 427164271
X-Trace: 30 Dec 1998 11:14:19 -0600, 207.206.141.84
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.amateur.swap,rec.radio.swap
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3

I have for sale 3 Plectron Patrol Receiver/Recorders. All are VHF and in good working order. Asking $40 ea or $100 for all three plus shipping. May consider trades for?

khoerz@accessus.net

```
From -8817659470101512332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dca6f05419541330
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,dca6f05419541330
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc2a5,dca6f05419541330
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,dca6f05419541330
X-Google-Attributes: gidfa656,public
From: "Rod Thompson" <tech@rtsars.com>
Subject: Re: Yaesu FT-920: To mod or not to mod (please share your experiences)
Date: 1998/12/30
Message-ID: <X7LhqpBN#GA.171@newstoo.hiwaay.net>#1/1
X-Deja-AN: 427177129
References: <1xXh2.12020$Vg2.3304605@news3.mia>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.ham-
radio,rec.radio.amateur
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
```

We, RT Systems Amateur Radio Supply, have seen numerous radio that were damaged by using the software that was found the internet. The usual charges to repair the damage is $160.00 plus shipping.

We can do the mod for you for $30.00 plus shipping.

Hugh Jass wrote in message <1xXh2.12020$Vg2.3304605@news3.mia>...

>I have a new Yaesu ft-920 HF+6M radio and have been itching to do the
>Tx-expand mod found at various radio mod sites. See:
>http://home1.inet.tele.dk/ehh/mods/mod/yaesu/ft-920.htm
>
>This mod involves uploading a file directly through the serial port that
will
>supposedly unlock Tx on the full range of frequencies.
>
>I have searched around and read the newsgroups and some have said that
>this mod was not intended for the US model, and that it could damage the
>CPU. Others have said that it worked fine. I did not actually see any
posts
>from anyone who did the mod unsuccessfully and ruined their radio.
>
>I would appreciate feedback/comments from people who have performed this
>mod to their radios, and what the outcome was. I would like to see this
issue
>clarified once and for all.
>
>Please, no flames.
>

>Thanks,
>
>Hugh

From -2796959490153147338
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca20ddfb6b2efa1d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,ca20ddfb6b2efa1d,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,ca20ddfb6b2efa1d,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fc8b1,ca20ddfb6b2efa1d,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f76e2,ca20ddfb6b2efa1d,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,ca20ddfb6b2efa1d,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,ca20ddfb6b2efa1d,start
X-Google-Attributes: gidfcc6e,public
From: "Randy B." <rbkb8iii@erinet.com>
Subject: OFF TOPIC (BIG BIRD AWARD)
Date: 1998/12/30
Message-ID: <76ehjg$mla$1@news.erinet.com>#1/1
X-Deja-AN: 427294714
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Complaints-To: usenet@news.erinet.com
X-Trace: news.erinet.com 915065264 23210 207.90.112.156 (31 Dec 1998 00:47:44 GMT)
Organization: KB8III
NNTP-Posting-Date: 31 Dec 1998 00:47:44 GMT
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.swap

Tune in to 3.865 @ 8pm EST for the BIG BIRD AWARD

From 2042221796401433290
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,884c9635576f819
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,884c9635576f819
X-Google-Attributes: gid1109af,public
X-Google-Thread: 115af6,884c9635576f819
X-Google-Attributes: gid115af6,public
X-Google-Thread: f76e2,884c9635576f819

X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1009ad,884c9635576f819
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 1031c8,884c9635576f819
X-Google-Attributes: gid1031c8,public
From: Jonathan Olson <jaolson@earthlink.net>
Subject: Re: FS Plectron Receiver/Recorders
Date: 1998/12/31
Message-ID: <368B0B16.59594465@earthlink.net>#1/1
X-Deja-AN: 427368233
Content-Transfer-Encoding: 7bit
References: <368a5f6b.0@news.accessus.net>
To: Kurt Hoerz <khoerz@accessus.net>
X-Posted-Path-Was: not-for-mail
Content-Type: text/plain; charset=us-ascii
X-ELN-Date: 31 Dec 1998 05:24:25 GMT
X-ELN-Insert-Date: Wed Dec 30 21:25:17 1998
Organization: EarthLink Network, Inc.
Mime-Version: 1.0
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.amateur.swap,rec.radio.swap

what are they currently programmed to frequency wise???

Kurt Hoerz wrote:

> I have for sale 3 Plectron Patrol Receiver/Recorders. All are VHF and in
> good working order. Asking $40 ea or $100 for all three plus shipping. May
> consider trades for?
>
> khoerz@accessus.net

From -348016572470617189
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,8f77d7b27c3db60e,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,8f77d7b27c3db60e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,8f77d7b27c3db60e,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fe99a,8f77d7b27c3db60e,start
X-Google-Attributes: gidfe99a,public
X-Google-Thread: f7873,8f77d7b27c3db60e,start
X-Google-Attributes: gidf7873,public
X-Google-Thread: f4535,8f77d7b27c3db60e,start
X-Google-Attributes: gidf4535,public
X-Google-Thread: 1062f2,8f77d7b27c3db60e,start

X-Google-Attributes: gid1062f2,public
X-Google-Thread: 1118be,8f77d7b27c3db60e,start
X-Google-Attributes: gid1118be,public
From: drjohnson@portup.com (Doug Johnson)
Subject: FS: Tubes
Date: 1998/12/31
Message-ID: <drjohnson-3112980920100001@portup638.portup.com>#1/1
X-Deja-AN: 427472786
X-Trace: newshog.newsread.com 915117428 207.75.50.130 (Thu, 31 Dec 1998 10:17:08 EDT)
Organization: Your Home Port in the U.P. (PortUP.com)
NNTP-Posting-Date: Thu, 31 Dec 1998 10:17:08 EDT
Newsgroups: rec.audio.tubes,alt.electronics,misc.industry.electronics.marketplace,sci.electronics.components,alt.ham-radio.marketplace,alt.radio.oldtime,rec.antiques.radio+phono,rec.ham-radio
X-Complaints-To: Abuse Role <abuse@PortUP.com>, We Care <abuse@newsread.com>

I've got a list of all my tubes for sale and their prices at

http://www.portup.com/~drjohnson/tubepage.html. Prices are negotiable when buying several tubes, or will put any tubes requested on an Ebay auction, in any lot you want. So, if there's 5 tubes you need off my list, and you want the best price, I will put them all up for auction in one lot if you want.

From 3631073621807575985
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c69cd8e6f7fa5afd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,c69cd8e6f7fa5afd
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fddbf,c69cd8e6f7fa5afd
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fa656,c69cd8e6f7fa5afd
X-Google-Attributes: gidfa656,public
X-Google-Thread: 115af6,c69cd8e6f7fa5afd
X-Google-Attributes: gid115af6,public
X-Google-Thread: f76e2,c69cd8e6f7fa5afd
X-Google-Attributes: gidf76e2,public
From: gwoods@wrgb.com (Gary Woods)
Subject: Re: READ THIS
Date: 1998/12/31
Message-ID: <368b9f6b.71587986@news2.global2000.net>#1/1
X-Deja-AN: 427490905
Content-Transfer-Encoding: quoted-printable
References: <36894B6A.4007912D@flash.net> <3689407B.724@flash.net>
Content-Type: text/plain; charset=us-ascii
X-Trace: news14.ispnews.com 915120031 205.247.149.130 (Thu, 31 Dec 1998 11:00:31 EDT)
Organization: ISPNews http://ispnews.com

```
MIME-Version: 1.0
NNTP-Posting-Date: Thu, 31 Dec 1998 11:00:31 EDT
Newsgroups: rec.antiques.radio+phono,rec.ham-radio,rec.ham-radio.packet,rec.ham-
radio.swap,rec.radio,rec.radio.amateur

Bill <billharx@flash.net> wrote:

>Flashnet has a strict policy against users spamming the net, please
>forward this to abuse@flash.net
>
>Keoki wrote:
>>=20
>> $$MAKING MONEY$$ Posted by WILL on December 20 at 08:53:09 I found =
this
>> on a bulletin board and decided to try it. A little while back, I was
>
It would have been _much_ better not to quote the whole spam.  Remember, =
we've already seen it
(many, many times!).


--=20
Gary Woods O- K2AHC   Public key at www.albany.net/~gwoods, or get =
0x1D64A93D via keyserver
gwoods@albany.net gwoods@wrgb.com
fingerprint =3D  E2 6F 50 93 7B C7 F3 CA  1F 8B 3C C0 B0 28 68 0B



From 6769772337665373964
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,884c9635576f819
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,884c9635576f819
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,884c9635576f819
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1009ad,884c9635576f819
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 1109af,884c9635576f819
X-Google-Attributes: gid1109af,public
X-Google-Thread: 115af6,884c9635576f819
X-Google-Attributes: gid115af6,public
From: "Kurt Hoerz" <khoerz@accessus.net>
Subject: Re: FS Plectron Receiver/Recorders
Date: 1999/01/01
Message-ID: <368c73a9.0@news.accessus.net>#1/1
X-Deja-AN: 427668974
References: <368a5f6b.0@news.accessus.net> <368B0B16.59594465@earthlink.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
X-Trace: 1 Jan 1999 01:05:13 -0600, 207.206.141.74
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.ham-
radio.swap,rec.radio,rec.radio.amateur.swap,rec.radio.swap
```

They are on 154.190, 154.250, and 154.370, no tones but capable of having
tones installed.

```
From -8518635645808253611
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c69cd8e6f7fa5afd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,c69cd8e6f7fa5afd
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 115af6,c69cd8e6f7fa5afd
X-Google-Attributes: gid115af6,public
X-Google-Thread: fddbf,c69cd8e6f7fa5afd
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,c69cd8e6f7fa5afd
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,c69cd8e6f7fa5afd
X-Google-Attributes: gidfa656,public
From: mcallister@mindspring.com (Brian McAllister)
Subject: Re: READ THIS
Date: 1999/01/01
Message-ID: <368cfd83.17030238@news.mindspring.com>#1/1
X-Deja-AN: 427750846
References: <36894B6A.4007912D@flash.net> <3689407B.724@flash.net>
<368b9f6b.71587986@news2.global2000.net>
X-Server-Date: 1 Jan 1999 16:58:24 GMT
Organization: MindSpring Enterprises
Newsgroups: rec.antiques.radio+phono,rec.ham-radio,rec.ham-radio.packet,rec.ham-
radio.swap,rec.radio,rec.radio.amateur
```

On Thu, 31 Dec 1998 16:00:29 GMT, gwoods@wrgb.com (Gary Woods) wrote:

```
>Bill <billharx@flash.net> wrote:
>
>>Flashnet has a strict policy against users spamming the net, please
>>forward this to abuse@flash.net
>>
>>Keoki wrote:
>>>=20
>>> $$MAKING MONEY$$ Posted by WILL on December 20 at 08:53:09 I found =
>this
>>> on a bulletin board and decided to try it. A little while back, I was
>>
>It would have been _much_ better not to quote the whole spam.  Remember, =
>we've already seen it
>(many, many times!).
>
>
>--=20
```

>Gary Woods O- K2AHC

Not only that, but some of us have ISPs that remove this crap from the
newsgroups, but not when a replier reposts the whole thing. So we get
to see what we missed, courtesy of a well-meaning friend. ;-)

Brian McAllister
Durham NC

From -3334197894533258581
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b8876320e41f7f29,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,b8876320e41f7f29,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,b8876320e41f7f29,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,b8876320e41f7f29,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,b8876320e41f7f29,start
X-Google-Attributes: gid107ada,public
From: "Wildcat" <wildcat@tp.net>
Subject: WTB: Yaesu FT-2500M
Date: 1999/01/01
Message-ID: <KSfj2.3379$P52.15755@news15.ispnews.com>#1/1
X-Deja-AN: 427886896
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
X-Trace: news15.ispnews.com 915245610 209.113.193.35 (Fri, 01 Jan 1999 21:53:30 EDT)
Organization: ISPNews http://ispnews.com
NNTP-Posting-Date: Fri, 01 Jan 1999 21:53:30 EDT
Newsgroups: rec.radio.swap,rec.radio.amateur,rec.ham-radio,rec.radio.amateur.misc,rec.ham-radio.swap

Please Email age, condition and asking price. Manual included preferred.

73's

--

Some people look at what is and ask why................
Other people look at what isn't and ask why not......

.

From -7340883386523051785

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b8876320e41f7f29
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,b8876320e41f7f29
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,b8876320e41f7f29
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,b8876320e41f7f29
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,b8876320e41f7f29
X-Google-Attributes: gidfa656,public
From: "Doscar Wilmuchein" <froblis@opnate.net>
Subject: Re: Yaesu FT-2500M
Date: 1999/01/02
Message-ID: <76kh68$sok$1@news3.mr.net>#1/1
X-Deja-AN: 427938867
References: <KSfj2.3379$P52.15755@news15.ispnews.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Organization: [poster's organization not specified]
Newsgroups: rec.radio.swap,rec.radio.amateur,rec.ham-
radio,rec.radio.amateur.misc,rec.ham-radio.swap

When a brand new one is $194 delivered to your door from HRO, it hardly pays
to look for a used one.  Used, are nearly new price.

Wildcat wrote in message ...
>Please Email age, condition and asking price. Manual included preferred.





From 3548342730071575451
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,856cca9a6994be8f,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,856cca9a6994be8f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,856cca9a6994be8f,start
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,856cca9a6994be8f,start
X-Google-Attributes: gidf76e2,public
From: "Ken Simpson" <W8EK@usa.net>
Subject: College Math Books FS
Date: 1999/01/02
Message-ID: <rrtj2.2982$B46.5503552@newshog.newsread.com>#1/1
X-Deja-AN: 428052897
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
X-Complaints-To: Abuse Role <abuse@fdt.net>, We Care <abuse@newsread.com>
X-Trace: newshog.newsread.com 915301207 209.212.145.104 (Sat, 02 Jan 1999 13:20:07
EDT)
Organization: KenMar Industries
```

NNTP-Posting-Date: Sat, 02 Jan 1999 13:20:07 EDT
Newsgroups: alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio.swap,rec.ham-radio

I have some college level math books for sale.
All are in good shape.

Essentials of Mathematics, by Person, 1968, 2nd edition
General Math intro with Algebra, Trig and Geometry in one book
$10

Introduction to Modern Mathematics, by Vance, 1963
Algebra, Trig, and various functions
More depth than the Person book above $ 15

Calculus by Sherwood and Taylor, 1954, 3rd edition
The title of the book says it all! $ 18

Differential Equations, by Morris and Brown, 1964, 4th edition
An "in depth" book. $ 15

Modern Elementary Statistics by Freund, 1967, 3rd edition
Uses very, very little calculus. $ 14

Trigonometry with Tables, by Welchons and Krickenberger
1960 - Basic Trig book $ 10

Prices do not include shipping from Florida.

Thanks, and Happy New Year.

73,

Ken, W8EK

Ken Simpson
E-Mail to W8EK@usa.net or W8EK@fdt.net
http://www.gnv.fdt.net/~kenmar
Voice Phone (352) 732-8400

From 2370037489830066465
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,2104875ed4f9279f,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,2104875ed4f9279f,start
X-Google-Attributes: gid10c9e3,public

```
X-Google-Thread: 108778,2104875ed4f9279f,start
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,2104875ed4f9279f,start
X-Google-Attributes: gidf76e2,public
From: "Ken Simpson" <W8EK@usa.net>
Subject: Modern Electronics Text Books FS
Date: 1999/01/02
Message-ID: <4_vj2.3054$B46.5602910@newshog.newsread.com>#1/1
X-Deja-AN: 428097326
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
X-Complaints-To: Abuse Role <abuse@fdt.net>, We Care <abuse@newsread.com>
X-Trace: newshog.newsread.com 915311616 209.212.145.87 (Sat, 02 Jan 1999 16:13:36
EDT)
Organization: KenMar Industries
NNTP-Posting-Date: Sat, 02 Jan 1999 16:13:36 EDT
Newsgroups: alt.ham-radio.marketplace,alt.radio.amateur,rec.ham-radio,rec.ham-
radio.swap
```

I have some modern Electronics Fundamental Text books available. All are currently in use at various colleges. They are all Associate Degree (Technician) level.

Basic Electronics by Grob - 8th edition - 1997 - $ 30

Electronic Principles by Malvino - 6th edition - 1999 - $ 30

Electric Circuit Fundamentals and Electronics Fundamentals - 3rd edition by Floyd - 1995 - $ 30

Electronic Devices and Circuits by Hassul and Zimmerman -
Conventional Flow version - includes student workbook
I think this is a 1998 copyright, but it is still in shrink-wrap, and I do not want to unwrap it to find out for sure. $ 30

Digital Electronics by Uffenbeck - 1994 $ 28

Prices do not include shipping from Florida. All books are new. By the way, most of these are large, heavy books, weighing about 6 pounds each.

E-mail to W8EK@usa.net

Thanks.

73,

Ken, W8EK

Ken Simpson
E-Mail to W8EK@usa.net or W8EK@fdt.net
http://www.gnv.fdt.net/~kenmar
Voice Phone (352) 732-8400

From 4222270185460299258
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab60cadd39232a7d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fe552,ab60cadd39232a7d,start
X-Google-Attributes: gidfe552,public
X-Google-Thread: 11480d,ab60cadd39232a7d,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: fb6c1,ab60cadd39232a7d,start
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: 10fe7d,ab60cadd39232a7d,start
X-Google-Attributes: gid10fe7d,public
X-Google-Thread: fa656,ab60cadd39232a7d,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114671,ab60cadd39232a7d,start
X-Google-Attributes: gid114671,public
X-Google-Thread: fb049,ab60cadd39232a7d,start
X-Google-Attributes: gidfb049,public
From: "O. Bj�rn Madsen" <obm@image.dk>
Subject: 50 MHz DX Bulletin (98-053)
Date: 1999/01/03
Message-ID: <7AAj2.1433$25.1745@news010.image.dk>#1/1
X-Deja-AN: 428174318
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
X-Complaints-To: news-abuse@image.dk
X-Trace: news010.image.dk 915330435 194.234.59.221 (Sun, 03 Jan 1999 03:27:15 MET DST)
NNTP-Posting-Date: Sun, 03 Jan 1999 03:27:15 MET DST
Newsgroups: alt.ham-radio.vhf-uhf,aus.radio.amateur.misc,es.rec.radio.amateur,it.hobby.radioamatori,nl.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,uk.radio.amateur

Dr OM/YL

This mail to inform You that the latest edition
of the OZ50MHz DX Bulletin #98-053 is now uploaded
at my homepage, at the adress;
http://www.qsl.net/oz6om/

Whishing You and Yours a Prosperous 1999 ...

vy 73 de OZ6OM "Matt"

From -2153297175061674838
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4f1ef930eea962c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,c4f1ef930eea962c,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,c4f1ef930eea962c,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1109af,c4f1ef930eea962c,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,c4f1ef930eea962c,start
X-Google-Attributes: gidf76e2,public
From: "Ron Sibbitt" <n8lmt@usa.net>
Subject: -FS- Kenwood TR-7950 2m FM Radio
Date: 1999/01/04
Message-ID: <76pbsg$920$1@ramp2.tir.com>#1/1
X-Deja-AN: 428506358
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.0810.800
X-Complaints-To: abuse@tir.com
X-Trace: ramp2.tir.com 915419856 9280 216.40.138.159 (4 Jan 1999 03:17:36 GMT)
Organization: The Internet Ramp
X-MSMail-Priority: Normal
NNTP-Posting-Date: 4 Jan 1999 03:17:36 GMT
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.swap

For Sale ....

Kenwood TR-7950 2m FM, Clean as new, works great,
was never used mobile, was kept stored in it's box for
many years. even the microphone looks like new.....
comes with original box, manual, up/down mic, dc cable.
$170.   ....plus $5. shipping in usa

email me....   n8lmt@usa.net

Ron Sibbitt
Croswell, MI 48422

From 2186500966941815263
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dca6f05419541330
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,dca6f05419541330
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,dca6f05419541330

```
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 107ada,dca6f05419541330
X-Google-Attributes: gid107ada,public
From: Rich - KK7PL <n7hmb@spiretech.com>
Subject: Re: Yaesu FT-920: To mod or not to mod (please share your experiences)
Date: 1999/01/04
Message-ID: <3690F387.89EB04D6@spiretech.com>#1/1
X-Deja-AN: 428663636
Cache-Post-Path: news.spiretech.com!rich@n7hmb.spiretech.com
Content-Transfer-Encoding: 7bit
References: <1xXh2.12020$Vg2.3304605@news3.mia>
<X7LhqpBN#GA.171@newstoo.hiwaay.net>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: Abuse Role <abuse@spiretech.com>, We Care <abuse@newsread.com>
X-Trace: newshog.newsread.com 915465507 207.173.200.229 (Mon, 04 Jan 1999 10:58:27
EDT)
Organization: Just me.
X-Cache: nntpcache 2.3.3 (see http://www.nntpcache.org/)
MIME-Version: 1.0
NNTP-Posting-Date: Mon, 04 Jan 1999 10:58:27 EDT
Reply-To: KK7PL@WANfear.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.ham-
radio,rec.radio.amateur
```

I guess RT Systems (CB Supply?) Amateur Radio Supply just needs the money
and no MARS/CAP on file.
Be clear in the N/G's.
Rich - KK7PL:

Rod Thompson wrote:

> We, RT Systems Amateur Radio Supply, have seen numerous radio that were
> damaged by using the software that was found the internet. The usual
> charges to repair the damage is $160.00 plus shipping.
>
> We can do the mod for you for $30.00 plus shipping.
>
> Hugh Jass wrote in message <1xXh2.12020$Vg2.3304605@news3.mia>...
> >I have a new Yaesu ft-920 HF+6M radio and have been itching to do the
> >Tx-expand mod found at various radio mod sites. See:
> >http://home1.inet.tele.dk/ehh/mods/mod/yaesu/ft-920.htm
> >
> >This mod involves uploading a file directly through the serial port that
> will
> >supposedly unlock Tx on the full range of frequencies.
> >
> >I have searched around and read the newsgroups and some have said that
> >this mod was not intended for the US model, and that it could damage the
> >CPU. Others have said that it worked fine. I did not actually see any
> posts
> >from anyone who did the mod unsuccessfully and ruined their radio.
> >
> >I would appreciate feedback/comments from people who have performed this

```
> >mod to their radios, and what the outcome was.  I would like to see this
> issue
> >clarified once and for all.
> >
> >Please, no flames.
> >
> >Thanks,
> >
> >Hugh
```

```
From -3567656165973073790
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,c13f754d037759a9,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,c13f754d037759a9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,c13f754d037759a9,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 1062f2,c13f754d037759a9,start
X-Google-Attributes: gid1062f2,public
X-Google-Thread: f7873,c13f754d037759a9,start
X-Google-Attributes: gidf7873,public
X-Google-Thread: f4535,c13f754d037759a9,start
X-Google-Attributes: gidf4535,public
X-Google-Thread: 1118be,c13f754d037759a9,start
X-Google-Attributes: gid1118be,public
X-Google-Thread: fe99a,c13f754d037759a9,start
X-Google-Attributes: gidfe99a,public
From: drjohnson@portup.com (Doug Johnson)
Subject: FS: Tubes, 1/2 off SALE thru 1/15/99!
Date: 1999/01/05
Message-ID: <drjohnson-0501990830580001@portup052.portup.com>#1/1
X-Deja-AN: 429021138
X-Trace: newshog.newsread.com 915546659 207.75.48.52 (Tue, 05 Jan 1999 09:30:59
EDT)
Organization: Your Home Port in the U.P. (PortUP.com)
NNTP-Posting-Date: Tue, 05 Jan 1999 09:30:59 EDT
Newsgroups:
rec.audio.tubes,alt.electronics,misc.industry.electronics.marketplace,sci.electron
ics.components,alt.ham-
radio.marketplace,alt.radio.oldtime,rec.antiques.radio+phono,rec.ham-radio
X-Complaints-To: Abuse Role <abuse@PortUP.com>, We Care <abuse@newsread.com>
```

I've got a list of all my tubes for sale and their prices at

http://www.portup.com/~drjohnson/tubepage.html.

SALE!!!!!! Buy ANY 10 or more tubes now through Jan. 15th, and get them
for 1/2 price! Prices listed on web page are FULL price. Send me your
order with "1/2 price" in the subject.

```
From -8647392032832445479
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,a92b34742c1c6fe2,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,a92b34742c1c6fe2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f7873,a92b34742c1c6fe2,start
X-Google-Attributes: gidf7873,public
X-Google-Thread: f4535,a92b34742c1c6fe2,start
X-Google-Attributes: gidf4535,public
X-Google-Thread: 1062f2,a92b34742c1c6fe2,start
X-Google-Attributes: gid1062f2,public
X-Google-Thread: fe99a,a92b34742c1c6fe2,start
X-Google-Attributes: gidfe99a,public
X-Google-Thread: 10c2ee,a92b34742c1c6fe2,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 1118be,a92b34742c1c6fe2,start
X-Google-Attributes: gid1118be,public
From: drjohnson@portup.com (Doug Johnson)
Subject: FS: Tubes, 1/2 Off Sale thru 1/15!!
Date: 1999/01/06
Message-ID: <drjohnson-0601991250590001@portup329.portup.com>#1/1
X-Deja-AN: 429499095
X-Trace: newshog.newsread.com 915648660 207.75.49.75 (Wed, 06 Jan 1999 13:51:00
EDT)
Organization: Your Home Port in the U.P. (PortUP.com)
NNTP-Posting-Date: Wed, 06 Jan 1999 13:51:00 EDT
Newsgroups:
rec.audio.tubes,alt.electronics,misc.industry.electronics.marketplace,sci.electron
ics.components,alt.ham-
radio.marketplace,alt.radio.oldtime,rec.antiques.radio+phono,rec.ham-radio
X-Complaints-To: Abuse Role <abuse@PortUP.com>, We Care <abuse@newsread.com>

I've got a list of all my tubes for sale and their prices at

http://www.portup.com/~drjohnson/tubepage.html.  Prices are negotiable
when buying several tubes, or will put any tubes requested on an Ebay
auction, in any lot you want.  So, if there's 5 tubes you need off my
list, and you want the best price, I will put them all up for auction in
one lot if you want.

Order 10 or more by January 15th and get 50% off!!



From 2051801816124819503
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b257bec4faad8a1c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b257bec4faad8a1c,start
```

```
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,b257bec4faad8a1c,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,b257bec4faad8a1c,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,b257bec4faad8a1c,start
X-Google-Attributes: gidf76e2,public
From: Michael Sawyer <kc4slk@csrlink.net>
Subject: Henry 2K-4D
Date: 1999/01/07
Message-ID: <369568B0.11A7A5CF@csrlink.net>#1/1
X-Deja-AN: 430032049
Content-Transfer-Encoding: 7bit
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
Organization: CSRlink
Mime-Version: 1.0
Newsgroups: rec.radio.amateur.swap,rec.radio.amateur.equipment,rec.ham-
radio,rec.ham-radio.swap,rec.radio.amateur
```

I am trying to locate a schemtatic diagram and a diagram showing the routing of the dial cord for the band switch. This I desperatly need for a Henry 2K-4D (a pair of 3-500Z's sitting on a pedestal). If you can help, please send replies to: Mike W3SLK, E-mail: kc4slk@csrlink.net
Thank you,
Mike
W3SLK

```
From 4117119502658700632
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b257bec4faad8a1c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,b257bec4faad8a1c
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108122,b257bec4faad8a1c
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,b257bec4faad8a1c
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,b257bec4faad8a1c
X-Google-Attributes: gid1031c8,public
From: Bob <rsrolfne@atnet.net>
Subject: FS: DRAKE TR-7 Filters
Date: 1999/01/09
Message-ID: <3697A7DF.2BD2F2EF@atnet.net>#1/1
X-Deja-AN: 430631140
Content-Transfer-Encoding: 7bit
References: <369568B0.11A7A5CF@csrlink.net>
To: rsrolfne@atnet.net
X-Accept-Language: en
```

Content-Type: text/plain; charset=us-ascii
Organization: One World Telecommunications
Mime-Version: 1.0
Newsgroups: rec.radio.amateur.swap,rec.radio.amateur.equipment,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur

For Sale:

AM Filter for Drake TR-7 HF Transceiver. 8 KHz wide model SL-8000, date code Feb. 1980. New - never installed.

CW or RTTY Filter for Drake TR-7 HF Transceiver. 1 KHz wide, model SL-1000. Used

Price - $65 each plus $5 shipping by priority mail.

73's Bob W7AVK

From 6088877066303327013
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,baadc826f40fbff4,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,baadc826f40fbff4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1156cd,baadc826f40fbff4,start
X-Google-Attributes: gid1156cd,public
X-Google-Thread: f76e2,baadc826f40fbff4,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,baadc826f40fbff4,start
X-Google-Attributes: gid1109af,public
From: "J. Daniel Bell, Jr." <kc4oxp@flash.net>
Subject: HF RIG FOR LAPTOP
Date: 1999/01/09
Message-ID: <dIRl2.915$Er.1292@news.flash.net>#1/1
X-Deja-AN: 430696557
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Complaints-To: abuse@flash.net
X-Trace: news.flash.net 915924873 209.30.102.149 (Sat, 09 Jan 1999 17:34:33 CDT)
Organization: FlashNet Communications, http://www.flash.net
NNTP-Posting-Date: Sat, 09 Jan 1999 17:34:33 CDT
Newsgroups: alt.ham-radio.marketplace,atl.forsale,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap

ICOM IC-737 MINT! For Sale: Icom 737 HF Transceiver. 160 thru 10 meters, all ham bands. General Coverage receiver 500 HTZ thru 29.999 MHZ. Dual VFO's, 101 memory channels, automatic antenna tuner, notch filter, passband filter RIT/XIT, 10 -100 watts SSB, CW, FM, 10 - 40 watts AM.

Optional 9Mhz CW Filter Installed.

NEW December 1, 1998 LCU-3 Interface. WILL SELL LCU-3 For $40 shipped or include with radio whichever comes first! MINT condition HF rig, never mobile and a non-smoker. Looking for someone in Atlanta Metro Area PERFERRED, all other will of course be considered! This radio is ONLY 4 years old Feb 1999

Trade for the following:
Laptop Computer must be recent model and ATLEAST 133mhz pentium based

For CASH deal or if you have any questions please email me kc4oxp@flash.net
Quickest reply 770-867-5156 8am-10pm EST Daniel KC4OXP
SERIOUS REPLIES ONLY PLEASE! I NEED A LAPTOP ASAP!!

From 2011839864649537953
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b257bec4faad8a1c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f8700,af3977ac4bbec0c2,start
X-Google-Attributes: gidf8700,public
X-Google-Thread: fa656,b257bec4faad8a1c
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108122,b257bec4faad8a1c
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,b257bec4faad8a1c
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,b257bec4faad8a1c
X-Google-Attributes: gid1031c8,public
From: Michael Sawyer <kc4slk@csrlink.net>
Subject: Henry 2K-4D
Date: 1999/01/10
Message-ID: <3698ABFE.339F889D@csrlink.net>#1/1
X-Deja-AN: 430870363
Content-Transfer-Encoding: 7bit
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
Organization: CSRlink
Mime-Version: 1.0
Newsgroups: rec.radio.amateur.swap,rec.radio.amateur.equipment,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.ham-radio.marketplace

I am trying to locate a schemtatic diagram and a diagram showing the routing of the dial cord for the band switch. This I desperatly need for a Henry 2K-4D (a pair of 3-500Z's sitting on a pedestal). If you can help, please send replies to: Mike W3SLK, E-mail: kc4slk@csrlink.net
Thank you,
Mike
W3SLK

```
From -7945985619869720488
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9674427dbea2b240,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10eac9,9674427dbea2b240,start
X-Google-Attributes: gid10eac9,public
X-Google-Thread: f64c6,9674427dbea2b240,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fa656,9674427dbea2b240,start
X-Google-Attributes: gidfa656,public
From: "Michael" <mpipes@clara.net>
Subject: FT1000MP 'Hiss', add on board, comments?
Date: 1999/01/10
Message-ID: <%Q8m2.5017$hs6.3747@nnrp2.clara.net>#1/1
X-Deja-AN: 431002558
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
X-Complaints-To: abuse@clara.net
X-Trace: nnrp2.clara.net 916003259 195.8.75.160 (Sun, 10 Jan 1999 21:20:59 BST)
NNTP-Posting-Date: Sun, 10 Jan 1999 21:20:59 BST
Newsgroups: uk.radio.amateur,rec.radio.amateur,rec.ham-radio,aus.radio.amateur
```

Does anyone have any comments or information regarding the add-on board available from Vine that redistributes gain in the above rig and claims to reduce the level of audible hiss in the rx? I have emailed Vine for details and not had a reply. The details on Vines page are sketchy - see
http://www.gw3ydx.demon.co.uk/whatsnew.html
Any comments, experience, would be appreciated.

Mike G4DKV

```
From -1388727999394381952
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,e6eb2a1ad2dc22a7,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,e6eb2a1ad2dc22a7,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,e6eb2a1ad2dc22a7,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,e6eb2a1ad2dc22a7,start
X-Google-Attributes: gidf76e2,public
From: "North Georgia Web Designs" <kc4oxp@flash.net>
Subject: Trade LAPTOP for HF Rig
Date: 1999/01/11
Message-ID: <01be3d84$49e3dd00$86651ed1@flash.net>#1/1
```

X-Deja-AN: 431292227
X-Complaints-To: abuse@flash.net
X-Trace: news.flash.net 916074025 209.30.101.134 (Mon, 11 Jan 1999 11:00:25 CDT)
Organization: FlashNet Communications, http://www.flash.net
NNTP-Posting-Date: Mon, 11 Jan 1999 11:00:25 CDT
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap

NEC Versa 2635CD EXCELLENT condition
Pentium 133mhz
56k internal modem
1.4GB hardrive
a real workhorse laptop!

Trade for hf rig - looking for TS-940SAT (complete station) - TS-570SAT,
what have you! Email me direct please.

From -7244341086682113714
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d73f7ccebbba373c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,d73f7ccebbba373c,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 108778,d73f7ccebbba373c,start
X-Google-Attributes: gid108778,public
From: "Ken Simpson" <W8EK@usa.net>
Subject: ARRL Publications FS
Date: 1999/01/13
Message-ID: <kZ2n2.32$TU6.136099@newshog.newsread.com>#1/1
X-Deja-AN: 432151985
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
X-Complaints-To: Abuse Role <abuse@fdt.net>, We Care <abuse@newsread.com>
X-Trace: newshog.newsread.com 916241360 209.212.145.111 (Wed, 13 Jan 1999 10:29:20 EDT)
Organization: KenMar Industries
NNTP-Posting-Date: Wed, 13 Jan 1999 10:29:20 EDT
Newsgroups: alt.radio.amateur,rec.ham-radio.swap,rec.ham-radio

I have the following ARRL publications for sale:

All are in good shape.

1979 ARRL Handbook - $ 12

1972 Radio Amateur's Operating Manual - 3rd edition - $ 4

1970 Single Sideband for the Radio Amateur - 5th edition - like new $ 9

1956 ARRL Antenna Book - 8th edition - $ 12

1968 Mobile Manual - 4th edition - like new - $ 12

1976 ARRL Ham Radio Operating Guide - first edition - $ 8

1986 Tune in the World with Ham Radio - 6th edition - $ 5

1991 Now You're Talking - First Edition - $ 8

1993 Now You're Talking - 2nd edition - $ 12

1976 Radio Amateur License Manual - 75th edition - like new $ 10

1977 Learning to Work w/ Integrated Circuits - First edition $ 6

1978 Solid State Basics - First Edition $ 8

1993 FCC Rule book - 9th edition - $ 4

1987 FCC Rule Book - 7th edition - $ 4

The ARRL Training Program - Official Novice Student Workbook
No date or edition listed, but appears about 1985 $ 3

Booklet to go with ARRL Code kit - 5 to 13 WPM - $ 2

Repeater Directories - $ 4 each
1977-78
1978-79
1979
1983-84
1987-88
1989-90
1990-91

Operating an Amateur Radio Station $ 2 each
1969 - 52nd edition
1976 - 57th edition
1978 - 58th edition
1980 - 59th edition
1984 - 62nd edition

Public Service Communication manual
no year listed - prior to 1970 for sure - appears to be first edition $ 3
1970 - 3rd edition $ 1
1985 9th edition $ 1

1974 Ameco Radio Theory Course $ 6

I have found some older ARRL net directories. All are in good shape. Those in the 60's and 70's are $3 each, and those in the 80's are $2 each, plus shipping from Florida.

I have the following years are available:
1968-69
69-70
70-71
71-72
72-73
75-76
77-78
78-79
79-80
82-83
84-85
1989

Although not directly radio related, someone might be interested

Handbook for Patrol Leaders (Boy Scouts) - 1950 copyright - 1959 printing
$18

Exploring (Boy Scout Explorer handbook) 1958 - $ 12

Girl Scout Handbook - 1953 - $ 12

1986 American Red Cross "Expect the Unexpected" $ 2

Prices do not included shipping from Florida.

Please reply to W8EK@usa.net

Thanks.

73,

Ken, W8EK

Ken Simpson
E-Mail to W8EK@usa.net or W8EK@fdt.net
http://www.gnv.fdt.net/~kenmar
Voice Phone (352) 732-8400

From 7717355902230279939

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,e5ee172f3e939a89,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,e5ee172f3e939a89,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f55c2,e5ee172f3e939a89,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 114a57,e5ee172f3e939a89,start
X-Google-Attributes: gid114a57,public
From: omegaman@telepath.com (Kitt Thompson)
Subject: Help finding high quality capacitors
Date: 1999/01/13
Message-ID: <omegaman-1301991431290001@205.228.196.50>#1/1
X-Deja-AN: 432257890
X-Complaints-To: Abuse Role <abuse@telepath.com>, We Care <abuse@newsread.com>
X-Trace: newshog.newsread.com 916259490 205.228.196.50 (Wed, 13 Jan 1999 15:31:30 EDT)
Organization: PhsoftWares
NNTP-Posting-Date: Wed, 13 Jan 1999 15:31:30 EDT
Newsgroups: alt.ham-radio.hf,alt.ham-radio.mods,alt.ham-radio.marketplace,rec.ham-radio

I am going to replace the electrolytic caps in my FT 101E and I would like
to replace them with
high quality caps. Can anyone recommend a source for good quality caps? I
am not going to be
purchasing more than 6 or 8 of any one value.

Thanks for the help. Please email your response to me as I do not frequent
these newsgroups often.
omegaman@telepath.net

73
Kitt
N5XAW

--
"When The Going Gets Weird, the Weird Turn Pro."
 - Hunter S. Thompson

From -3640933373661305599
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,180f084c50ba1534,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107cee,180f084c50ba1534,start
X-Google-Attributes: gid107cee,public
X-Google-Thread: 111d0a,180f084c50ba1534,start
X-Google-Attributes: gid111d0a,public
From: "Kevin K." <kup@tir.com>
Subject: Re: 50 ohm non-inductive resistor?
Date: 1999/01/14

Message-ID: <77m5m5$9qm$1@ramp2.tir.com>#1/1
X-Deja-AN: 432767107
References: <77m17h$ftr$2@news.ametro.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Complaints-To: abuse@tir.com
X-Trace: ramp2.tir.com 916363781 10070 216.40.133.224 (15 Jan 1999 01:29:41 GMT)
Organization: The Internet Ramp
NNTP-Posting-Date: 15 Jan 1999 01:29:41 GMT
Newsgroups: sci.electronics.misc,sci.electronics.basics,rec.ham-radio

Check out a company named Caddock or RCD Components. Both sell hgh
precision mtal film non-inductive resistors. Also try
www.eemonline.com
they have vendors and manufacturers

From 4809126139961218741
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,180f084c50ba1534
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 111d0a,180f084c50ba1534
X-Google-Attributes: gid111d0a,public
X-Google-Thread: 107cee,180f084c50ba1534
X-Google-Attributes: gid107cee,public
From: ignatz@datasync.com (art)
Subject: 50 ohm non-inductive resistor?
Date: 1999/01/15
Message-ID: <77m17h$ftr$2@news.ametro.net>#1/1
X-Deja-AN: 432767106
Organization: AMC Internet
Newsgroups: sci.electronics.misc,sci.electronics.basics,rec.ham-radio

sombody please let me know where i can find a 50 ohm non-inductive
power resistor
thanks
please email all replys

From 3914962963373773126
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,180f084c50ba1534
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107cee,180f084c50ba1534
X-Google-Attributes: gid107cee,public
X-Google-Thread: 111d0a,180f084c50ba1534
X-Google-Attributes: gid111d0a,public
From: kinsler@frognet.net (Mark Kinsler)
Subject: Re: 50 ohm non-inductive resistor?

Date: 1999/01/15
Message-ID: <DWzn2.368$lG4.2861@news6.ispnews.com>#1/1
X-Deja-AN: 432824496
References: <77m17h$ftr$2@news.ametro.net>
X-Trace: news6.ispnews.com 916376355 204.192.96.16 (Thu, 14 Jan 1999 23:59:15 EDT)
Organization: ISPNews http://ispnews.com
NNTP-Posting-Date: Thu, 14 Jan 1999 23:59:15 EDT
Newsgroups: sci.electronics.misc,sci.electronics.basics,rec.ham-radio

art <ignatz@datasync.com> wrote:
>sombody please let me know where i can find a 50 ohm non-inductive
>power resistor

A power rating would be helpful. I assume that you're making a dummy load
to tune a radio transmitter. In any case, have a look at the American
Radio Relay League literature in your library. The Radio Amateur's
Handbook ought to have any number of suggestions for how to build your own
resistor. If you're just tuning up a CB radio, I use a #47 lamp. Ain't
elegant, but it seems to work pretty well.

Mark Kinsler

--
....
Athens, Ohio, USA. Home of the "How Things Work" educational program.
See http://www.frognet.net/~kinsler

From -4955666847898915286
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,180f084c50ba1534
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 111d0a,180f084c50ba1534
X-Google-Attributes: gid111d0a,public
X-Google-Thread: 107cee,180f084c50ba1534
X-Google-Attributes: gid107cee,public
From: Tony Williams <tonyw@ledelec.demon.co.uk>
Subject: Re: 50 ohm non-inductive resistor?
Date: 1999/01/15
Message-ID: <48c4bb51dbtonyw@ledelec.demon.co.uk>#1/1
X-Deja-AN: 432889069
X-NNTP-Posting-Host: ledelec.demon.co.uk:194.222.56.201
References: <77m17h$ftr$2@news.ametro.net>
X-Complaints-To: abuse@demon.net
X-Trace: news.demon.co.uk 916393997 nnrp-03:23784 NO-IDENT
ledelec.demon.co.uk:194.222.56.201
Organization: None
Newsgroups: sci.electronics.misc,sci.electronics.basics,rec.ham-radio

In article <77m17h$ftr$2@news.ametro.net>,
 art <ignatz@datasync.com> wrote:
> sombody please let me know where i can find a 50 ohm non-inductive

> power resistor

Make it yourself? 94x 4700 ohm (0.5W) in parallel.
Two squares (or disks) of stripboard, R's soldered
between them, like the old cordwood construction.
It will end up roughly 2"-cubed.

--
Tony Williams.

From 6340730569785649892
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dddb175585c6a28f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,dddb175585c6a28f,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,dddb175585c6a28f,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,dddb175585c6a28f,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,dddb175585c6a28f,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f8700,dddb175585c6a28f,start
X-Google-Attributes: gidf8700,public
From: Michael Sawyer <kc4slk@csrlink.net>
Subject: Henry 2K
Date: 1999/01/16
Message-ID: <36A09BC6.F916A245@csrlink.net>#1/1
X-Deja-AN: 433323743
Content-Transfer-Encoding: 7bit
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
Organization: CSRlink
Mime-Version: 1.0
Newsgroups: rec.radio.amateur.swap,rec.radio.amateur.equipment,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.ham-radio.marketplace

I originally posted this as a 2K-4D. Please forgive me for the
re-posting.
Thanks.

I am trying to locate a schemtatic diagram and a diagram showing the
routing of the dial cord for the band switch. This I desperatly need for
a Henry 2K (a pair of 3-500Z's sitting on a pedestal). If you can
help, please send replies to: Mike W3SLK, E-mail: kc4slk@csrlink.net
Thank you,
Mike
W3SLK

```
From 2706236805272281141
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d965fbeb4dc6c8db,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106e5e,d965fbeb4dc6c8db,start
X-Google-Attributes: gid106e5e,public
From: Thing <nospam@nospam.co.nz>
Subject: Re: Info on Barlow Wadley Portable Radio..
Date: 1999/01/18
Message-ID: <36A2FD87.58DA0244@nospam.co.nz>#1/1
X-Deja-AN: 433932623
Content-Transfer-Encoding: 7bit
References: <36a2e8cf.23881439@news.xtra.co.nz>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: newsadmin@xtra.co.nz
X-Trace: titan.xtra.co.nz 916651399 26357 210.55.210.210 (18 Jan 1999 09:23:19
GMT)
Organization: Customer of Telecom Internet Services
Mime-Version: 1.0
NNTP-Posting-Date: 18 Jan 1999 09:23:19 GMT
Newsgroups: rec.ham-radio,nz.comp
```

never heard of it, cant most electronic shops fix it?

Thing

The KIWI wrote:

> Can any one help have a Barlow Wadley Radio in for Service
> is their a Web site or a Place in NZ that I can get a Circuit for this Radio,,?
>
> Thanks..
>
> The KIWI..

```
From -587972587522163762
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d965fbeb4dc6c8db
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,e7d43b9075d3e9dd,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 106e5e,d965fbeb4dc6c8db
X-Google-Attributes: gid106e5e,public
From: bit.bucket@zoom.to (Joe Blow)
Subject: Re: Info on Barlow Wadley Portable Radio..
Date: 1999/01/19
Message-ID: <19990119005959731l340@ppp0-31.winz.co.nz>#1/1
X-Deja-AN: 433963453
```

References: <36a2e8cf.23881439@news.xtra.co.nz> <36a30af6.143796@news.ihug.co.nz>
X-Complaints-To: newsadmin@xtra.co.nz
X-Trace: titan.xtra.co.nz 916660750 6604 202.27.208.240 (18 Jan 1999 11:59:10 GMT)
Organization: Absolutely none.
NNTP-Posting-Date: 18 Jan 1999 11:59:10 GMT
Newsgroups: rec.ham-radio,nz.comp,rec.radio.shortwave

Ross Keatinge <rossk@akamail.c--om> wrote:

> william@paradise.net.nz (The KIWI) wrote:
>
> >Can any one help have a Barlow Wadley Radio in for Service is their a Web
> >site or a Place in NZ that I can get a Circuit for this Radio,,?
>
> Sorry I can't help but it brings back memories of when I had one.
>
> They were a very clever design. I can't quite remember how they worked
> but an oscillator signal was mixed twice in such as way that drift was
> cancelled. Well superseeded now by digitally controlled phase locked
> loops I guess.

Still a great little receiver. Manufactured in South Africa. The
inventor later went to the UK and worked on the famous Racal RA-17
series which uses the same principle. Yaesu went on to use it in the
FRG7 and 7000.

I seem to recall Rothchilds in Lower Hutt being the agent way back
whenever, but I could be wrong. If you get stuck, I might be able to
arrange a photocopy of the circuit diagram from a member of the NZ Radio
DX League.

Andy Gardner
Chief Editor, NZ DX Times, NZ Radio DX League.
http://navigator.co.nz/nzrdxl

From 3683654113770186491
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d965fbeb4dc6c8db
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,e7d43b9075d3e9dd
X-Google-Attributes: gid114aac,public
X-Google-Thread: 106e5e,d965fbeb4dc6c8db
X-Google-Attributes: gid106e5e,public
From: p.kerr@auckland.ac.nz (Peter Kerr)
Subject: Re: Info on Barlow Wadley Portable Radio..
Date: 1999/01/19
Message-ID: <p.kerr-1901990832560001@news.auckland.ac.nz>#1/1
X-Deja-AN: 434130317
References: <36a2e8cf.23881439@news.xtra.co.nz> <36a30af6.143796@news.ihug.co.nz>
<19990119005959731134O@ppp0-31.winz.co.nz>
X-Complaints-To: news@auckland.ac.nz

X-Trace: scream.auckland.ac.nz 916691474 24655 130.216.90.132 (18 Jan 1999 20:31:14 GMT)
Organization: University of Auckland
NNTP-Posting-Date: 18 Jan 1999 20:31:14 GMT
Newsgroups: rec.ham-radio,nz.comp,rec.radio.shortwave

>> >Can any one help have a Barlow Wadley Radio in for Service is their a Web
>> >site or a Place in NZ that I can get a Circuit for this Radio,,?
>
>Still a great little receiver. Manufactured in South Africa. The
>inventor later went to the UK and worked on the famous Racal RA-17
>series which uses the same principle. Yaesu went on to use it in the
>FRG7 and 7000.

I'm not sure if I still have any info from early WirelessWorld in my "offsite" archives. IIRC from the age of the thing it probably used germanium RF transistors like OC170, which will be near impossible to replace. A bit of ingenuity should give better longer lasting results with a modern FET.

Hamfest Shopping Guide puts current value US$100 - $200 ...

Southern Cross DX Club in Adelaide list 2 BW rx for loan to club members so they may have some service info:
http://tolstoi.saccii.net.au/~stephenn/admin.htm

--
Peter Kerr   bodger
School of Music   chandler
University of Auckland New Zealand   neo-Luddite

From -5149905039651922072
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,3bdfeda52a5a9d39,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,3bdfeda52a5a9d39,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,3bdfeda52a5a9d39,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f55c2,3bdfeda52a5a9d39,start
X-Google-Attributes: gidf55c2,public
From: "Magic Mole" <moley@holey.powernet.co.uk>
Subject: Yaseu parts in the UK
Date: 1999/01/19
Message-ID: <36a48612.0@news.power.net.uk>#1/1
X-Deja-AN: 434396622
X-Trace: 19 Jan 1999 13:18:10 GMT, 195.60.5.163
Newsgroups: alt.ham-radio.marketplace,alt.ham-radio.mods,alt.ham-radio.vhf-uhf,rec.ham-radio
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0

Hi there
can someone please tell me where i can buy a couple of
Yaseu battery boxes for a FT411 E 2mt handie,or a converter from a PS to the
radio itself
ive called everywhere i cant get one anywhere..
Help
pS its the same as all of the Yaseu handies FT470 etc etc...

many thanks
Si

From 9068023261365473166
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d965fbeb4dc6c8db
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106e5e,d965fbeb4dc6c8db
X-Google-Attributes: gid106e5e,public
X-Google-Thread: 114aac,e7d43b9075d3e9dd
X-Google-Attributes: gid114aac,public
From: jfulton@actrix.gen.nz (John Fulton)
Subject: Re: Info on Barlow Wadley Portable Radio..
Date: 1999/01/20
Message-ID: <c1.2c.2PNMYl$1XQ@ngaio.actrix.gen.nz>#1/1
X-Deja-AN: 434323791
Sender: jfulton@ngaio.actrix.gen.nz
References: <36a2e8cf.23881439@news.xtra.co.nz> <36a30af6.143796@news.ihug.co.nz>
<19990119005959731134O@ppp0-31.winz.co.nz>
<p.kerr-1901990832560001@news.auckland.ac.nz> <36a4dec3.4659150@news.xtra.co.nz>
X-Trace: 19 Jan 1999 18:24:22 -1300, 192.100.53.68
Organization: The Fulton Establishment
Reply-To: jfulton@ihug.co.nz
Newsgroups: rec.ham-radio,nz.comp,rec.radio.shortwave

In message <36a4dec3.4659150@news.xtra.co.nz> - william@paradise.net.nz
(The KIWI)Tue, 19 Jan 1999 01:27:59 GMT writes:
:>
:>On Tue, 19 Jan 1999 08:32:56 +1200, p.kerr@auckland.ac.nz (Peter Kerr) wrote:
:>
:>>>> >Can any one help have a Barlow Wadley Radio in for Service is their a Web
:>>>> >site or a Place in NZ that I can get a Circuit for this Radio,,?
:>>>
:>>>Still a great little receiver. Manufactured in South Africa. The
:>>>inventor later went to the UK and worked on the famous Racal RA-17
:>>>series which uses the same principle. Yaesu went on to use it in the
:>>>FRG7 and 7000.
Snip...

Wow that brings back some memories indeed. They were a very elegant little receiver that converted to an IF frequency a bit higher that the highest frequency to be received (30 MHz) and then tuned across that band with a double conversion to get the narrow bandwidth necessary for good shortwave reception. The up conversion got rid of the usual image rejection problem so prevalent in the cheaper short wave receivers.

If I remember correctly there was a description of the workings of the Wadley Loop in a Wireless World during the early 70s I think, or it may have been Electronics Australia! But the description was good and followed up by construction articles for the building of such a receiver.

I don't know if the South African firm is still in business, but the one that I saw was in Niue of all places in 1978, when I was crook in hospital with Pneumonia! It provided me with a good contact with the rest of the world during that time! The things that you find in out of the way places!

Regards to you all

// John Fulton, Ngaio, Wellington NEW ZEALAND
// Phone +64 4 4792043 FAX +64 4 4792043

From 5394980390485211088
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,8456c836ab9a0d33,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,8456c836ab9a0d33,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 103227,8456c836ab9a0d33,start
X-Google-Attributes: gid103227,public
X-Google-Thread: 105955,8456c836ab9a0d33,start
X-Google-Attributes: gid105955,public
X-Google-Thread: fb049,8456c836ab9a0d33,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1118b9,8456c836ab9a0d33,start
X-Google-Attributes: gid1118b9,public
From: "Scot Mc Pherson" <scot@speedlan.com>
Subject: SWR Meters
Date: 1999/01/20
Message-ID: <7857b8$8mi$1@news-1.news.gte.net>#1/1
X-Deja-AN: 434901097
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2120.0
Organization: Wave Wireless Networking
X-Auth: C448D05206D4C5D64DC98491
Newsgroups: alt.ham-radio.marketplace,alt.ham-radio.spread,alt.ham-radio.vhf-uhf,att.ham-radio,rec.ham-radio,sbay.hams

Gentlehams,
    I am looking for an SWR measurement setup that will work in the GHz

```
bands. I know that you can get simple SWR meters for the HF and 2 meter and
440 bands, and I was hoping there would be a similar product that measures
SWR in the 900MHz to 6 GHz frequency ranges. I have done a bit of searching
myself and all I seem to be able to find is RF Network Analyzers to do this
job. This is much much more than I need and I do not want to spend the
amount of money this set-up would cost.

    If you know of a simple and cost effective SWR Meter setup for these
ranges I would really appreciate it.

    This is for a commercial application, but I thought you guys would be
able to help me.

73,
Scot Mc Pherson
N2UPA






From -7712726314860603828
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,8456c836ab9a0d33
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,8456c836ab9a0d33
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105955,8456c836ab9a0d33
X-Google-Attributes: gid105955,public
X-Google-Thread: fb049,8456c836ab9a0d33
X-Google-Attributes: gidfb049,public
X-Google-Thread: 103227,8456c836ab9a0d33
X-Google-Attributes: gid103227,public
X-Google-Thread: 1118b9,8456c836ab9a0d33
X-Google-Attributes: gid1118b9,public
From: "Michael Lee" <M.D.L@btinternet.com>
Subject: Re: SWR Meters
Date: 1999/01/20
Message-ID: <785i0u$618$1@plutonium.btinternet.com>#1/1
X-Deja-AN: 434957889
References: <7857b8$8mi$1@news-1.news.gte.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Organization: BT Internet
Newsgroups: alt.ham-radio.marketplace,alt.ham-radio.spread,alt.ham-radio.vhf-
uhf,att.ham-radio,rec.ham-radio,sbay.hams


Scot Mc Pherson wrote in message <7857b8$8mi$1@news-1.news.gte.net>...
>Gentlehams,
>    I am looking for an SWR measurement setup that will work in the GHz
>bands. I know that you can get simple SWR meters for the HF and 2 meter and
>440 bands, and I was hoping there would be a similar product that measures
>SWR in the 900MHz to 6 GHz frequency ranges. I have done a bit of searching
```

>myself and all I seem to be able to find is RF Network Analyzers to do this
>job. This is much much more than I need and I do not want to spend the
>amount of money this set-up would cost.
>
>   If you know of a simple and cost effective SWR Meter setup for these
>ranges I would really appreciate it.
>
>   This is for a commercial application, but I thought you guys would be
>able to help me.
>
>73,
>Scot Mc Pherson
>N2UPA
>

Basically, what you need is a broad band directional coupler and a detector diode. This will detect the power reflected back from the match into the antenna or whatever you are connected up to.

Your specs are a bit sketchy and don't mention power handling requirements, but this sort of stuff is readily available as microwave test gear in waveguide and microstrip. I would refer you to some one like MAcom (AKA microwave associates).

You would probably be able to make a bolt together system at a reasonable cost.

I am sorry, but I can't give you more information than this on an informal basis. I contact me if you require a formal design consultation service.

Regards

Michael D Lee

```
From -911038038866514467
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32acc61026785fd0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,32acc61026785fd0,start
X-Google-Attributes: gid108122,public
```

X-Google-Thread: fa656,32acc61026785fd0,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb049,32acc61026785fd0,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 107ada,32acc61026785fd0,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1031c8,32acc61026785fd0,start
X-Google-Attributes: gid1031c8,public
From: "Allan Pelletier" <kc8fcw@concentric.net>
Subject: Icom Mike
Date: 1999/01/23
Message-ID: <78d4uq$n0f@journal.concentric.net>#1/1
X-Deja-AN: 436060727
Organization: Concentric Internet Services
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap

Hello all,

I have an Icom Deskmike #IC-SM6 and need some info about it,
such as schematics and manual. All the wires from the gain pot on the bottom
have come loose and need to be rewired

Any help would be appreciated

73
Al KC8FCW

reply to kc8fcw@qsl.net

From 3323498328765725258
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7915492dcba9f5f8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa262,7915492dcba9f5f8,start
X-Google-Attributes: gidfa262,public
X-Google-Thread: 1109af,7915492dcba9f5f8,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,7915492dcba9f5f8,start
X-Google-Attributes: gid1031c8,public
From: "Ray Beltran" <resgraph@lightspeed.net>
Subject: Microphone Search-Turner BX/D or CX/D
Date: 1999/01/24
Message-ID: <lXQq2.20710$bf6.5602@news1.giganews.com>#1/1
X-Deja-AN: 436524955
Content-transfer-encoding: 7bit
Content-Type: text/plain; charset="US-ASCII"

```
X-Trace: news1.giganews.com 917232465 209.165.4.146 (Sun, 24 Jan 1999 20:47:45 CDT)
Mime-version: 1.0
NNTP-Posting-Date: Sun, 24 Jan 1999 20:47:45 CDT
Newsgroups: rec.radio.amateur.swap,rec.radio.misc,rec.radio.swap,rec.ham-radio
```

I'm looking for examples of these mics, in working or non-working condition.

Please contact me here:

resgraph@lightspeed.net

Sincerely,
Ray Beltran

```
From 5138043021388259825
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7915492dcba9f5f8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa262,7915492dcba9f5f8
X-Google-Attributes: gidfa262,public
X-Google-Thread: 1109af,7915492dcba9f5f8
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,7915492dcba9f5f8
X-Google-Attributes: gid1031c8,public
From: Andrew & Allison Diamond <adiamond@bellatlantic.net>
Subject: Re: Microphone Search-Turner BX/D or CX/D
Date: 1999/01/25
Message-ID: <36ACE362.533475A9@bellatlantic.net>#1/1
X-Deja-AN: 436850621
Content-Transfer-Encoding: 7bit
References: <lXQq2.20710$bf6.5602@news1.giganews.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
Organization: *
Mime-Version: 1.0
Newsgroups: rec.radio.amateur.swap,rec.radio.misc,rec.radio.swap,rec.ham-radio
```

I have a turner +3 Desk microphone for sale if you are interested.
Andy

Ray Beltran wrote:

>
> I'm looking for examples of these mics, in working or non-working condition.
>
> Please contact me here:
>
> resgraph@lightspeed.net
>
> Sincerely,
> Ray Beltran

From -730443604064132700
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,e930f76062d6c5c5,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,e930f76062d6c5c5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,e930f76062d6c5c5,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f76e2,e930f76062d6c5c5,start
X-Google-Attributes: gidf76e2,public
From: "Chris Terkla" <n1xs@amsat.org>
Subject: 4PR1000A
Date: 1999/01/25
Message-ID: <78jc6t$j2h$1@bashir.ici.net>#1/1
X-Deja-AN: 436947301
Organization: The Internet Connection
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Newsgroups: alt.ham-radio,alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap

I have some 4PR1000A tubes. They are all pulls and have been used. Some are Eimac and some are Penta Labs. What are these tubes worth? Anyone have any interest?

Let me know!

Chris
n1xs@amsat.org

From -3823021467513768695
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d7b9c4fb1405cab,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,4d7b9c4fb1405cab,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,4d7b9c4fb1405cab,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,4d7b9c4fb1405cab,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,4d7b9c4fb1405cab,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,4d7b9c4fb1405cab,start
X-Google-Attributes: gid108122,public
From: "Monty Groff" <grofmon@rmi.net>
Subject: Lithium-Ion Battery tech info
Date: 1999/01/26

```
Message-ID: <78kokf$reh$1@news1.rmi.net>#1/1
X-Deja-AN: 437143438
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Complaints-To: abuse@rmi.net
X-Trace: news1.rmi.net 917366223 28113 166.93.99.100 (26 Jan 1999 15:57:03 GMT)
Organization: Rocky Mountain Internet - 1(800)-900-RMII
NNTP-Posting-Date: 26 Jan 1999 15:57:03 GMT
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc
```

Could someone point me in the direction of a good tech article regarding proper care and charging of Li-Ion batteries. I believe they should be completely discharged before re-charging. Is this correct. Also, are there problems associated with over-charging?

Thanks

KC0CNU

```
From -7344248055842506773
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d7b9c4fb1405cab
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,4d7b9c4fb1405cab
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,4d7b9c4fb1405cab
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,4d7b9c4fb1405cab
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,4d7b9c4fb1405cab
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,4d7b9c4fb1405cab
X-Google-Attributes: gidfa656,public
From: "Jose R. Camara" <camara@quantacorp.com>
Subject: Re: Lithium-Ion Battery tech info
Date: 1999/01/26
Message-ID: <36ADFD1F.87A52BEC@quantacorp.com>#1/1
X-Deja-AN: 437176337
Content-Transfer-Encoding: 7bit
References: <78kokf$reh$1@news1.rmi.net>
X-Accept-Language: en-US,pt-BR,es,zh
Content-Type: text/plain; charset=us-ascii
X-Trace: nntp1.ba.best.com 917372310 16686 206.86.6.229
Organization: Quanta
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc
```

Try http://www.cadex.com/cfm/index.cfm?Pg=314&Lp=55&Db=&Mo=

They have GREAT info on many types of batteries. DO NOT use a nicad/universal charger!!!

Monty Groff wrote:
>
> Could someone point me in the direction of a good tech article regarding
> proper care and charging of Li-Ion batteries. I believe they should be
> completely discharged before re-charging. Is this correct. Also, are there
> problems associated with over-charging?
>
> Thanks
>
> KC0CNU

From -5737830804160594778
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d7b9c4fb1405cab
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,4d7b9c4fb1405cab
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,4d7b9c4fb1405cab
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,4d7b9c4fb1405cab
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,4d7b9c4fb1405cab
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,4d7b9c4fb1405cab
X-Google-Attributes: gid10ed5f,public
From: Ric <ric@planetquad.com>
Subject: Re: Lithium-Ion Battery tech info
Date: 1999/01/26
Message-ID: <36AE4356.57D8AC74@planetquad.com>#1/1
X-Deja-AN: 437279950
Cache-Post-Path: flux!unknown@dialup117.tlh.talstar.com
Content-Transfer-Encoding: 7bit
References: <78kokf$reh$1@news1.rmi.net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
Organization: TalStar Communications
X-Cache: nntpcache 2.3.2.1 (see http://www.nntpcache.org/)
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc

Lithium Ion batteries DO NOT have memories like Ni-Cad batteries. Charge them when ever you want, just keep them charged when not being used often. My 3 year old Toshiba laptop came with a lithium ion, and it's still going strong.

Ric

Monty Groff wrote:

> Could someone point me in the direction of a good tech article regarding
> proper care and charging of Li-Ion batteries. I believe they should be
> completely discharged before re-charging. Is this correct. Also, are there
> problems associated with over-charging?
>
> Thanks
>
> KC0CNU

From 7916003185319200794
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1b90c64887207df9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,1b90c64887207df9,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fb049,1b90c64887207df9,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 11480d,1b90c64887207df9,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,1b90c64887207df9,start
X-Google-Attributes: gid107ada,public
From: lakki@walrus.megabaud.fi (Erik Finskas)
Subject: Announcement of a 6m repeater
Date: 1999/01/27
Message-ID: <78lof5$1v$1@news.kolumbus.fi>#1/1
X-Deja-AN: 437328954
Organization: Megabaud, Helsinki, Finland
Keywords: 6m, repeater, OH2RCH, ham radio, radio amateur
Newsgroups: uk.radio.amateur,rec.ham-radio,alt.ham-radio.vhf-uhf,rec.radio.amateur.dx,rec.radio.amateur.misc

Announcement of a new 6m repeater;

OH2RCH is available at 51.970MHz TX / 51.370MHz RX with 50W output power, vertical antennas.
Repeater is located at the south coast of Finland in KP20 locator square.

Access with 1750hz tone or DTMF star.

More info & images of the repeater at http://www.megabaud.fi/~oh2ch/

Waiting for the ES-openings...

73, Erik OH2LAK

```
--
Erik Finskas OH2LAK         Email    .... lakki@iki.fi
GSM +358-40-500-6800                  oh2lak@sral.fi
** Life exists above 30MHz **    WWW      .... http://www.iki.fi/lakki/
```

From -25734295686702879
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d7b9c4fb1405cab
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,4d7b9c4fb1405cab
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,4d7b9c4fb1405cab
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,4d7b9c4fb1405cab
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,4d7b9c4fb1405cab
X-Google-Attributes: gid108778,public
X-Google-Thread: 107ada,4d7b9c4fb1405cab
X-Google-Attributes: gid107ada,public
From: nicholas charles caruso <caruson@certco.com>
Subject: Re: Lithium-Ion Battery tech info
Date: 1999/01/27
Message-ID: <36AF5018.ED317E22@certco.com>#1/1
X-Deja-AN: 437596019
Content-Transfer-Encoding: 7bit
References: <78kokf$reh$1@news1.rmi.net> <36aeb36d.14922683@news.auracom.com>
X-Accept-Language: en,ru
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: newsabuse@remarQ.com
X-Trace: 917458969 QSOWWFRDC2104D0DEC usenet58.supernews.com
Organization: Posted via RemarQ, http://www.remarQ.com - Discussions start here!
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc

"W. Dean Milner" wrote:

> Overcharging is not good for any battery really as it generates
> excessive heat which shortens cell life.

And for those who didn't go the interesting web site recommended at the beginning of this thread,

http://www.cadex.com/cfm/index.cfm?Pg=314&Lp=55&Db=&Mo=

Overcharging is particularly bad for LiIon batteries; can cause metallic Li to plate out, which apparently is bad and potentially dangerous.   Trickle charging ala NiCads is verboten.

OTOH, LiIon chargers take this into account. So, don't try charging them in any charger that wasn't designed for the job!

73 de nick KB1DEJ

From 6540356429524662136
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,2a715b22f5ff8bfc,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,2a715b22f5ff8bfc,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,2a715b22f5ff8bfc,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,2a715b22f5ff8bfc,start
X-Google-Attributes: gidf76e2,public
From: "J. Daniel Bell, Jr." <kc4oxp@flash.net>
Subject: WTB:HTX-212
Date: 1999/01/28
Message-ID: <W85s2.437$gB3.418@news.flash.net>#1/1
X-Deja-AN: 438083040
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Complaints-To: abuse@flash.net
X-Trace: news.flash.net 917561014 209.30.102.102 (Thu, 28 Jan 1999 16:03:34 CDT)
Organization: FlashNet Communications, http://www.flash.net
NNTP-Posting-Date: Thu, 28 Jan 1999 16:03:34 CDT
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap

A gentleman had one forsale a week or so ago for $130 if you are him and still have the 2 meter mobile, or if anyone has one forsale, please email me with price and condition.

73 Daniel KC4OXP
kc4oxp@flash.net

From 2794523466661248293
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d7b9c4fb1405cab
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,4d7b9c4fb1405cab
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,4d7b9c4fb1405cab
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,4d7b9c4fb1405cab
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,4d7b9c4fb1405cab

X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,4d7b9c4fb1405cab
X-Google-Attributes: gid108778,public
From: Ric <ric@planetquad.com>
Subject: Re: Lithium-Ion Battery tech info
Date: 1999/01/30
Message-ID: <36B348ED.32B196A7@planetquad.com>#1/1
X-Deja-AN: 438764162
Cache-Post-Path: flux!unknown@dialup133.tlh.talstar.com
Content-Transfer-Encoding: 7bit
References: <78kokf$reh$1@news1.rmi.net> <36AE4356.57D8AC74@planetquad.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
Organization: TalStar Communications
X-Cache: nntpcache 2.3.2.1 (see http://www.nntpcache.org/)
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc

Just recieved my Yaesu VX-5R the other day. The battery "under normal use" will survive 300 cycles of charging-discharging. Nothing mentioned about "draining" the cell dead before charging, but after charging is complete (The display tells you, and the TX-RX LED glows green <cool feature>), the HT should be unplugged from the charger, and allowed to cool down before use.

The VX-5R is an AWESOME little marvel of an HT, easy to use, great manual, sounds good, powerful, and LONG battery life. And I am/was an Icom freak :-)

Ric - KG4BNL

Ric wrote:

> Lithium Ion batteries DO NOT have memories like Ni-Cad batteries. Charge them when ever you want, just keep them charged when not being used often. My 3 year old Toshiba laptop came with a lithium ion, and it's still going strong.
>
> Ric
>
> Monty Groff wrote:
>
> > Could someone point me in the direction of a good tech article regarding proper care and charging of Li-Ion batteries. I believe they should be completely discharged before re-charging. Is this correct. Also, are there problems associated with over-charging?
> >
> > Thanks
> >
> > KC0CNU

From -7395050338229493751

```
X-Google-Language: SPANISH,ASCII
X-Google-Thread: 10c9e3,6fdf0f647646ef1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,6fdf0f647646ef1
X-Google-Attributes: gid108122,public
X-Google-Thread: fe552,6fdf0f647646ef1
X-Google-Attributes: gidfe552,public
X-Google-Thread: 107ada,6fdf0f647646ef1
X-Google-Attributes: gid107ada,public
X-Google-Thread: 105955,6fdf0f647646ef1
X-Google-Attributes: gid105955,public
X-Google-Thread: fcc6e,6fdf0f647646ef1
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 114671,6fdf0f647646ef1
X-Google-Attributes: gid114671,public
X-Google-Thread: 11480d,6fdf0f647646ef1
X-Google-Attributes: gid11480d,public
From: jluisjx@socx.insetelx.esx (jluisj)
Subject: Re: GAP Titan DX
Date: 1998/10/31
Message-ID: <363b5b61.1572095@noticias.bcn.ibernet.es>#1/1
X-Deja-AN: 407071800
References: <712lip$6ab$1@news-2.news.gte.net>
Organization: organizacion desconocida
Newsgroups: att.ham-radio,aus.radio.amateur.misc,es.rec.radio.amateur,rec.ham-
radio,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,r
ec.radio.amateur.misc
```

pues yo hace unos a�os que estoy considerando la gap challenger, que me aparenta mejor rendimiento en bandas bajas, pero no acabo dedecidirme, la mfj1798 tambien tiene buena apariencia, al menos sobre el papel

saludos

```
From -2064769974036371763
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6fdf0f647646ef1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,6fdf0f647646ef1
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,6fdf0f647646ef1
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 107ada,6fdf0f647646ef1
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114671,6fdf0f647646ef1
X-Google-Attributes: gid114671,public
X-Google-Thread: fe552,6fdf0f647646ef1
X-Google-Attributes: gidfe552,public
X-Google-Thread: 11480d,6fdf0f647646ef1
```

X-Google-Attributes: gid11480d,public
X-Google-Thread: 105955,6fdf0f647646ef1
X-Google-Attributes: gid105955,public
From: Daniel Anderson <danders@novagate.com>
Subject: Re: GAP Titan DX
Date: 1998/11/02
Message-ID: <71l5vh$6qr$0@205.138.138.171>#1/1
X-Deja-AN: 407671657
Content-Transfer-Encoding: 7bit
References: <712lip$6ab$1@news-2.news.gte.net>
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: att.ham-radio,aus.radio.amateur.misc,es.rec.radio.amateur,rec.ham-radio,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Peter, I have been using my Gap Titan DX for over a year now. You may recall hearing about the storm we received in Western Michigan this Spring with estimated wind gusts of up to 130 MPH. I awoke to find my Titan DX bent over about 50 degrees and binding on a piece of PVC that holds an element. A slight movement released the pressure and back up it sprang. I haven't done a thing to it since. I've gotten great signal reports and find this to be a very servicable antenna. High marks from me.
Cheers, Dan ab8cd

Peter L. Stephens wrote:

> I am seriously considering purchasing the new GAP Titan DX. Does any one
> have any experience with this or any other GAP antenna? How do these
> antennas compared with other multi-band verticals?
>
> Pete, KD4ETS

From 8109242600571569771
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d8997f31a1ed57ef
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,d8997f31a1ed57ef
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,d8997f31a1ed57ef
X-Google-Attributes: gid107ada,public
X-Google-Thread: f55c2,d8997f31a1ed57ef
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fb049,d8997f31a1ed57ef
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa656,d8997f31a1ed57ef
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,d8997f31a1ed57ef

```
X-Google-Attributes: gid108778,public
From: george <george@execpc.com>
Subject: Re: FT-50r freeband mod /template
Date: 1998/11/02
Message-ID: <71ls3g$6f3@newsops.execpc.com>#1/1
X-Deja-AN: 407804566
Content-Transfer-Encoding: 7bit
References: <SHKW1.513$aO1.1059@news3.ispnews.com>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@execpc.com
X-Trace: gotham-globe.newsops.execpc.com 910062512 6627 (None) 169.207.138.30
Organization: ExecPC
Mime-Version: 1.0
Reply-To: george@execpc.com
Newsgroups: alt.ham-radio.mods,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc
```

hi I was looking for info on the yaesu ft-50 mods do u know if this works for
sure because I've seen the files posted somewhere before also what serial #
will this work with the new ones are around 7n******
please let me know thanks

Kurgan wrote:

> Does anyone have a copy of a .tpl & .rdf file from a radio with the
> freebander mod? I have found out that if you use a tpl & rdf file on your
> radio without preforming the hardware freebander mod and just use the tpl &
> rdf file on your radio you will get the same results. If you have them send
> them or email me at Kurgan@mail.datatoe.com
>
> Thanx allot jimmy
>
> P.S. I'm am also looking for the Euro tpl & rdf file

```
From 3159535170303610481
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,6fdf0f647646ef1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105955,6fdf0f647646ef1
X-Google-Attributes: gid105955,public
X-Google-Thread: fe552,6fdf0f647646ef1
X-Google-Attributes: gidfe552,public
X-Google-Thread: 108122,6fdf0f647646ef1
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,6fdf0f647646ef1
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,6fdf0f647646ef1
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 11480d,6fdf0f647646ef1
```

```
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114671,6fdf0f647646ef1
X-Google-Attributes: gid114671,public
From: "anyone" <jorge@microsoft.com>
Subject: Re: GAP Titan DX
Date: 1998/11/03
Message-ID: <71n3om$imc$5@diana.bcn.ibernet.es>#1/1
X-Deja-AN: 407929144
References: <712lip$6ab$1@news-2.news.gte.net> <71l5vh$6qr$0@205.138.138.171>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3007.0
Organization: Telefonica Transmision de Datos
Newsgroups: att.ham-radio,aus.radio.amateur.misc,es.rec.radio.amateur,rec.ham-
radio,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,r
ec.radio.amateur.misc

�DO YOU LIKE TO TAKE BY THE BOTTOM...?
Daniel Anderson escribi� en mensaje <71l5vh$6qr$0@205.138.138.171>...
>Peter,  I have been using my Gap Titan DX for over a year now.  You may
>recall hearing about the storm we received in Western Michigan this Spring
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A
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done
>a thing to it since.  I've gotten great signal reports and find this to be
a
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>Cheers,  Dan ab8cd
>
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>
>> I am seriously considering purchasing the new GAP Titan DX.  Does any one
>> have any experience with this or any other GAP antenna?  How do these
>> antennas compared with other multi-band verticals?
>>
>> Pete,  KD4ETS
>
>
>




From 2186722647973400945
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,6331c85d4ce92b05,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,6331c85d4ce92b05,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,6331c85d4ce92b05,start
X-Google-Attributes: gid108122,public
```

X-Google-Thread: 1109af,6331c85d4ce92b05,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,6331c85d4ce92b05,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,6331c85d4ce92b05,start
X-Google-Attributes: gid1031c8,public
From: "ka0nno" <n0eoq@6mt.com>
Subject: For Sale Icom 706 and options $690.00
Date: 1998/11/03
Message-ID: <v9L%1.5216$Qf3.12662@news9.ispnews.com>#1/1
X-Deja-AN: 408073637
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
X-Trace: news9.ispnews.com 910130907 209.12.0.224 (Tue, 03 Nov 1998 17:08:27 EDT)
Organization: ISPNews http://ispnews.com
NNTP-Posting-Date: Tue, 03 Nov 1998 17:08:27 EDT
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap

For Sale Icom 706, 2 years old, excellent condition. Comes with, manual,
original box, mobile mounting bracket, hand mike, power cord, plus
optional FL103 ssb
2.8khz filter plus a MFJ 564 electronic iambic paddle.
$690.00

Options:
1. New in the box unused separation cable opc-581
with the control head mounting bracket not new MB-63 both for $75.00

2. IC SM6 desk microphone with opc-589 mike adapter 8 pin to phone plug.
$90.00

The whole package price if you want it will be $800.00

If interested call George n0eoq at 870-389-6516

n0eoq@6mt.com

From -3268512906435439 70
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,d61211df28d62b6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,d61211df28d62b6,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,d61211df28d62b6,start

```
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 115af6,d61211df28d62b6,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 114a57,d61211df28d62b6,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,d61211df28d62b6,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114aac,d61211df28d62b6,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fa029,d61211df28d62b6,start
X-Google-Attributes: gidfa029,public
From: Carla Ackley <info@classichits.com>
Subject: W A N T E D: ICOM R-7000 RADIO
Date: 1998/11/05
Message-ID: <3641D158.7F477CEC@classichits.com>#1/1
X-Deja-AN: 408705942
Content-Transfer-Encoding: 8bit
X-Accept-Language: en
Content-Type: text/plain; charset=x-user-defined
X-Trace: news.goodnet.com 910283215 209.141.97.166 (Thu, 05 Nov 1998 09:26:55 MDT)
Organization: Ackley's Custom Site Submission
MIME-Version: 1.0
Reply-To: info@classichits.com
NNTP-Posting-Date: Thu, 05 Nov 1998 09:26:55 MDT
Newsgroups:
rec.radio.scanner,rec.radio.shortwave,rec.radio,rec.radio.amateur,rec.radio.amateu
r.misc,rec.ham-radio,alt.ham-radio,alt.ham-radio.hf,alt.ham-
radio.marketplace,alt.ham-radio.vhf-uhf

WANTED:��� ICOM R-7000 (Pre-Ban)

Will pay $400 Cash + s/h
�If you arent using that radio, I will buy it from you.

--
Carla Ackley
info@classichits.com

ClassicHits - Ackley's Custom Site Submission
PO Box 2714, Peoria,AZ. 85380-2714 USA
(602) 846-5177
http://www.classichits.com

Your Site Submitted to 800+ Search Engines, 200+ Classifieds or 700+
Newsgroups. $15 US$
�




From 7950033241782797132
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d61211df28d62b6
X-Google-Attributes: gid10c9e3,public
```

X-Google-Thread: 114aac,d61211df28d62b6
X-Google-Attributes: gid114aac,public
X-Google-Thread: fa029,d61211df28d62b6
X-Google-Attributes: gidfa029,public
X-Google-Thread: 115af6,d61211df28d62b6
X-Google-Attributes: gid115af6,public
X-Google-Thread: 114a57,d61211df28d62b6
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,d61211df28d62b6
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,d61211df28d62b6
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,d61211df28d62b6
X-Google-Attributes: gidfa656,public
From: "4fun" <4fun@bboxbbs.ch>
Subject: Re: W A N T E D: Sanpiper Antenna
Date: 1998/11/08
Message-ID: <36460063.0@news.bboxbbs.ch>#1/1
X-Deja-AN: 409726931
References: <3641D158.7F477CEC@classichits.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Organization: Customers of Active-Net AG, Switzerland
Newsgroups:
rec.radio.scanner,rec.radio.shortwave,rec.radio,rec.radio.amateur,rec.radio.amateur.misc,rec.ham-radio,alt.ham-radio,alt.ham-radio.hf,alt.ham-radio.marketplace,alt.ham-radio.vhf-uhf

Hi

My Sandpiper antenna fpr 144/430mc, that was scotched on my cars backwindow
has fallen down and was damaged
now I am looking for a store to get a new one.
here in HB9 there are no more dealers selling such products

can anybody help me please

answer to 4fun@airmail.ch

From 6154044377587717881
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4ae5adeb3b15ff7b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,4ae5adeb3b15ff7b,start
X-Google-Attributes: gidf64c6,public
From: "Jack" <jack.axl@btinternet.com>
Subject: sound frequency converter ???
Date: 1998/11/08
Message-ID: <01be0b54$83106240$LocalHost@default>#1/1

X-Deja-AN: 409727529
Organization: BT Internet
Newsgroups: rec.ham-radio,uk.radio.amateur

This request is a little off topic, but I cant think of a better group of people to ask than radio hams.
I have pet rats. They are quite expressive little creatures and its easy to tell when they are happy / sad etc. (if you are not a rat fan you'll have to believe me on that one) But, they rarely make a sound. They squeak with amazing force when they are play fighting with each other. But other than that they wander about in silence.
Or so I thought.
It has been suggested to me that their hearing is capable of detecting frequencies well above that of the human ear, like a dog. And not only that, their normal "rat to rat" communication are also at these frequencies.
I would like to aquire a device to convert frequencies higher than normal human detectable sound (I cant remember the range) down to audible sound.
In other words, I want to hear what my rats are saying.
I have seen such converters on nature programs on TV when listening to bats, so someone must be able to get one.
Does anyone have any ideas ?
Hope someone can humour me. HI
73 for now
Jack MM0AXL

From -1350433512520729734
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4ae5adeb3b15ff7b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,4ae5adeb3b15ff7b
X-Google-Attributes: gidf64c6,public
From: David Henzler <dhenzler@jps.net>
Subject: Re: sound frequency converter ???
Date: 1998/11/08
Message-ID: <36465E31.EBCDE2EA@jps.net>#1/1
X-Deja-AN: 409813061
X-NNTP-Posting-Host: 209.63.114.134
Content-Transfer-Encoding: 7bit
References: <01be0b54$83106240$LocalHost@default>
To: Jack <jack.axl@btinternet.com>
Content-Type: text/plain; charset=us-ascii
MIME-Version: 1.0
Newsgroups: rec.ham-radio,uk.radio.amateur

Make a diode ring mixer. That is four diodes hooked end to end...(all pointing in the same direction) but put a 300 ohm resistor in series with each diode. Using two centertapped 600 ohm transformers connect the secondary of one transformer to the intersection of the first and third diode resistor pair, and another transformer secondary to the second and fourth diode resistor pairs. Connect a signal generator to the primary of the first transformer and set it for about 5V RMS. Connect your Rat microphone (must have good hi frequency response) to an amplifier and hook the amp output to the second transformer primary. Set the gain of the amp so that noises as weak as a rat might make will be about 5 VRMS as well. Take the center taps of the two transformers to your headphones. You will hear the lower sideband (inverted speach) of the rat's conversation when you get the frequency right. Generator - Rat speech frequency = audio out. As long as you keep the generator at a higher than audible frequency you won't hear any of it feed through the system. You might have a little feed through from the mic, but that will be many dB's down.   I don't think you will understand a word being said, but you might hear these supersonic conversations converted to our audible range. You've now got a superhetrodyne rat receiver,.

Good luck de WA6QVI

David
____
Jack wrote:

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> people to ask than radio hams.
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> that they wander about in silence.
> Or so I thought.
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> that, their normal "rat to rat" communication are also at these
> frequencies.
> I would like to aquire a device to convert frequencies higher than normal
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> Hope someone can humour me. HI
> 73 for now
> Jack MM0AXL

```
From 8490036693056311641
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,831e0eee79799fdb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,831e0eee79799fdb,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,831e0eee79799fdb,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,831e0eee79799fdb,start
```

X-Google-Attributes: gid11480d,public
X-Google-Thread: fc2a5,831e0eee79799fdb,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fcc6e,831e0eee79799fdb,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 1031c8,831e0eee79799fdb,start
X-Google-Attributes: gid1031c8,public
From: "Mark Castiglione" <mcast@flashnospam.net>
Subject: HF3B Bowtie??? info
Date: 1998/11/09
Message-ID: <01be0c0a$80d98d60$7ed8c2d0@gma00000tech00>#1/1
X-Deja-AN: 410011009
Organization: Flashnet Communications, http://www.flash.net
Newsgroups: rec.ham-radio,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.swap

Just picked up a Bowtie antenna and it doesn't match up to the manual I
have for the hf5b. The dimentions are the same(12ft x 6 ft) but it is
missing a few traps.And it is too small for their 10/11 meter bowtie.
Did Butternut make another Bowtie..maybe a 3 Band model???
Thanks in Advance

--
M.S. Castiglione N8REZ
Electical Fabrication
GM Truck Group
mcast@flash.net

From 8819644374793507694
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4ae5adeb3b15ff7b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,4ae5adeb3b15ff7b
X-Google-Attributes: gidf64c6,public
From: "Gil Bishop" <gbishop@home.com>
Subject: Re: sound frequency converter ???
Date: 1998/11/11
Message-ID: <%N822.162$mj4.494538@news.rdc1.ct.home.com>#1/1
X-Deja-AN: 410584665
References: <01be0b54$83106240$LocalHost@default> <36465E31.EBCDE2EA@jps.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Organization: @Home Network
NNTP-Posting-Date: Tue, 10 Nov 1998 20:56:27 PDT
Newsgroups: rec.ham-radio,uk.radio.amateur

>You've now got a
>superhetrodyne rat receiver,.

But I don't want to be anywhere around when he fires up the 2Kw

Grounded-Grid Rat Amplifier!!

```
From -4639838802322324029
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,3e2c3c3f4723c8d9,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,3e2c3c3f4723c8d9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc8b1,3e2c3c3f4723c8d9,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa656,3e2c3c3f4723c8d9,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1109af,3e2c3c3f4723c8d9,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,3e2c3c3f4723c8d9,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,3e2c3c3f4723c8d9,start
X-Google-Attributes: gid1031c8,public
From: "Gil Bishop" <gbishop@home.com>
Subject: FA: LAST DAY!! Kenwood TS-520SE w/500hz CW filter - still at $250!!
(EBAY)
Date: 1998/11/13
Message-ID: <%XU22.596$mj4.1830156@news.rdc1.ct.home.com>#1/1
X-Deja-AN: 411423010
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Organization: @Home Network
NNTP-Posting-Date: Fri, 13 Nov 1998 03:43:55 PDT
Newsgroups:
rec.radio.swap,rec.radio.amateur.swap,rec.radio.amateur.boatanchors,rec.radio.amat
eur,rec.ham-radio.swap,rec.ham-radio,alt.ham-radio.marketplace
```

This is the last day for this auction. I'm selling my tried and true 520se with the optional 500hz cw filter installed. Rig is in good cosmetic condition - (some light scratches on the case, face is very good), and excellent operating shape. With manual. Only reason it's leaving is that I just bought a new radio (TS-570D) and wife says if one comes IN, then one goes OUT! (hi, hi). Nice first hf rig, or as a backup. Very fine transmit audio - like most of the tube kenwoods always get great reports on the sound. And the cw filter is great for picking a signal out of the qrm.

So it's on EBAY thru tonight (11/13). Currently at $250. I have a $275 reserve, but have decided to sell for $250 or above plus shipping.

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=40493038

Thanks and 73
Gil

WB1GNH

From -5850679726898502964
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3056bc1e4a2ad99,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,3056bc1e4a2ad99,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: f76e2,3056bc1e4a2ad99,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 115af6,3056bc1e4a2ad99,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 1109af,3056bc1e4a2ad99,start
X-Google-Attributes: gid1109af,public
From: "Rat57z" <tyszka@snet.net>
Subject: WTB: Ham Setup
Date: 1998/11/13
Message-ID: <72h60v$c21@news1.snet.net>#1/1
X-Deja-AN: 411425400
Organization: "SNET dial access service"
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.cb,rec.radio.swap

I am a newbe to radio and am looking for a Ham setup. I know nothing about
Ham and am looking for advice on what to buy? What I need? Radio, Antenna,
license, tuners, etc.. Is there any units that have antenna, etc in one
package?
Any advice is appreciated. I would be interested in purchasing now if
someone has a setup for sale.

Thanks

Richard

From -6121522587951957455
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,3e2c3c3f4723c8d9
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,3e2c3c3f4723c8d9
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,3e2c3c3f4723c8d9
X-Google-Attributes: gid1109af,public
X-Google-Thread: fc8b1,3e2c3c3f4723c8d9
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa656,3e2c3c3f4723c8d9

X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,3e2c3c3f4723c8d9
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,3e2c3c3f4723c8d9
X-Google-Attributes: gidf76e2,public
From: "James L. Griffith" <griffithj@ricks.edu>
Subject: Re: FA: LAST DAY!! Kenwood TS-520SE w/500hz CW filter - still at $250!!
(EBAY)
Date: 1998/11/13
Message-ID: <364C5280.E2EB812D@ricks.edu>#1/1
X-Deja-AN: 411486072
References: <%XU22.596$mj4.1830156@news.rdc1.ct.home.com>
X-Priority: 3 (Normal)
Content-Type: multipart/alternative; boundary="------------
FB235FAE9E68E8A08413C281"
Organization: Brigham Young University
Mime-Version: 1.0
Newsgroups:
rec.radio.swap,rec.radio.amateur.swap,rec.radio.amateur.boatanchors,rec.radio.amat
eur,rec.ham-radio.swap,rec.ham-radio,alt.ham-radio.marketplace

--------------FB235FAE9E68E8A08413C281
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Not trying to be price police or anythig like it. But it seems to me one
can buy a real nice DSP unit for the same price. I own all the same
equipment and do not find anything special about the filter except the
only way to find it is used.
Jim, WA7NDD

Gil Bishop wrote:

> This is the last day for this auction. I'm selling my tried and true
> 520se
> with the optional 500hz cw filter installed. Rig is in good cosmetic
> condition - (some light scratches on the case, face is very good), and
>
> excellent operating shape. With manual. Only reason it's leaving is
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> one
> goes OUT! (hi, hi). Nice first hf rig, or as a backup. Very fine
> transmit
> audio - like most of the tube kenwoods always get great reports on the
>
> sound. And the cw filter is great for picking a signal out of the
> qrm.
>
> So it's on EBAY thru tonight (11/13). Currently at $250. I have a
> $275
> reserve, but have decided to sell for $250 or above plus shipping.

```
>
> http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=40493038
>
> Thanks and 73
> Gil
> WB1GNH



--------------FB235FAE9E68E8A08413C281
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<HTML>
Not trying to be price police or anythig like it. But it seems to me one
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<BR>Jim, WA7NDD

<P>Gil Bishop wrote:
<BLOCKQUOTE TYPE=CITE>This is the last day for this auction.&nbsp; I'm
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<BR>with the optional 500hz cw filter installed.&nbsp; Rig is in good cosmetic
<BR>condition - (some light scratches on the case, face is very good),
and
<BR>excellent operating shape.&nbsp; With manual.&nbsp; Only reason it's
leaving is that I
<BR>just bought a new radio (TS-570D) and wife says if one comes IN, then
one
<BR>goes OUT! (hi, hi).&nbsp; Nice first hf rig, or as a backup.&nbsp;
Very fine transmit
<BR>audio - like most of the tube kenwoods always get great reports on
the
<BR>sound.&nbsp; And the cw filter is great for picking a signal out of
the qrm.

<P>So it's on EBAY thru tonight (11/13).&nbsp; Currently at $250.&nbsp;
I have a $275
<BR>reserve, but have decided to sell for $250 or above plus shipping.

<P><A HREF="http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?
ViewItem&item=40493038">http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?
ViewItem&amp;item=40493038</A>

<P>Thanks and 73
<BR>Gil
<BR>WB1GNH</BLOCKQUOTE>
&nbsp;&nbsp;</HTML>

--------------FB235FAE9E68E8A08413C281--
```

From 6487641655367076410
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5f229e306e2757bd,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,5f229e306e2757bd,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1109af,5f229e306e2757bd,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,5f229e306e2757bd,start
X-Google-Attributes: gidf76e2,public
From: "J. Daniel Bell, Jr. KC4OXP" <kc4oxp@flash.net>
Subject: Ham Radio Logging Program HELP!
Date: 1998/11/13
Message-ID: <72i6c7$fh6$1@excalibur.flash.net>#1/1
X-Deja-AN: 411576324
Organization: Flashnet Communications, http://www.flash.net
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.swap,rec.radio.swap

Thanks for reading my message. I am looking for the BEST VHF & HF logging
program available on the internet. Please all advice on what your using and
consider to be the best program would be appreciated. Please email me direct
at kc4oxp@flash.net
73 Daniel KC4OXP

--
Low Cost Webpages!
North Georgia Web Designs
http://members.tripod.com/KC4OXP/
kc4oxp@flash.net

From -6213777344228324266
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3056bc1e4a2ad99
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,3056bc1e4a2ad99
X-Google-Attributes: gid106d41,public
X-Google-Thread: 115af6,3056bc1e4a2ad99
X-Google-Attributes: gid115af6,public
X-Google-Thread: 1109af,3056bc1e4a2ad99
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,3056bc1e4a2ad99
X-Google-Attributes: gidf76e2,public
From: "Casey" <casey.c@shaw.wave.ca>
Subject: Re: Ham Setup
Date: 1998/11/15

```
Message-ID: <jCH32.6821$Lj2.3422557@news.rdc1.on.wave.home.com>#1/1
X-Deja-AN: 412168399
References: <72h60v$c21@news1.snet.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: @Home Network Canada
NNTP-Posting-Date: Sun, 15 Nov 1998 13:22:23 PDT
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.cb,rec.radio.swap
```

Hi Richard,

The first thing you need to do is get your licence. There are several licence classes, each providing different levels of privileges. Your specific level of licence (privileges) will dictate what type of ham station you should be looking for. If you do not get a licence, it is not appropriate for you to own equipment that can transmit on frequencies that you're not licenced for, so you can save yourself a bundle by waiting until you are licenced. The process of getting your licence will teach you what you need to know to decide how to get started with your station.

Best of Luck.

```
Rat57z wrote in message <72h60v$c21@news1.snet.net>...
>I am a newbe to radio and am looking for a Ham setup.  I know nothing about
>Ham and am looking for advice on what to buy?  What I need?  Radio,
Antenna,
>license, tuners, etc..  Is there any units that have antenna, etc in one
>package?
>Any advice is appreciated.  I would be interested in purchasing now if
>someone has a setup for sale.
>
>Thanks
>
>Richard
>
>
```

```
From 3264059701953147122
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3056bc1e4a2ad99
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115af6,3056bc1e4a2ad99
X-Google-Attributes: gid115af6,public
X-Google-Thread: 106d41,3056bc1e4a2ad99
X-Google-Attributes: gid106d41,public
X-Google-Thread: 1109af,3056bc1e4a2ad99
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,3056bc1e4a2ad99
X-Google-Attributes: gidf76e2,public
From: "John" <mstr-jl@swbell.net>
```

Subject: Re: Ham Setup
Date: 1998/11/15
Message-ID: <IMH32.928$G41.5348@typhoon01.swbell.net>#1/1
X-Deja-AN: 412171410
References: <72h60v$c21@news1.snet.net>
<jCH32.6821$Lj2.3422557@news.rdc1.on.wave.home.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
X-Complaints-To: abuse@swbell.net
X-Trace: typhoon01.swbell.net 911165608 207.193.20.62 (Sun, 15 Nov 1998 13:33:28 PDT)
Organization: SBC Internet Services
NNTP-Posting-Date: Sun, 15 Nov 1998 13:33:28 PDT
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.cb,rec.radio.swap

I'd have to agree with Casey, Richard...

Something you may want to consider is to check your local library for amateur radio related books.

Although they may be a few (and in some cases, more than a few) years old, they will still give you an understanding of what the hobby is, and the various equipment needed for different interests - you can't possibly know what gear to buy until you understand the privileges associated with each license class, how you can operate within that class, and what YOU want to accomplish within the hobby...

Welcome to amateur radio!, and don't feel that you have to spend thousands of dollars to enjoy yourself in the hobby - you really don't...

John

---
John Lewis
South St. Louis - 63116
mstr-jl@swbell.net

Casey wrote in message ...
>Hi Richard,
>
>The first thing you need to do is get your licence. There are several
>licence classes, each providing different levels of privileges. Your
>specific level of licence (privileges) will dictate what type of ham
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>
>Best of Luck.
>
>Rat57z wrote in message <72h60v$c21@news1.snet.net>...
>>I am a newbe to radio and am looking for a Ham setup. I know nothing

about
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>>license, tuners, etc.. Is there any units that have antenna, etc in one
>>package?
>>Any advice is appreciated. I would be interested in purchasing now if
>>someone has a setup for sale.
>>
>>Thanks
>>
>>Richard
>>
>>
>
>

From -5736446884269089617
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3056bc1e4a2ad99
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,3056bc1e4a2ad99
X-Google-Attributes: gid106d41,public
X-Google-Thread: 115af6,3056bc1e4a2ad99
X-Google-Attributes: gid115af6,public
X-Google-Thread: 1109af,3056bc1e4a2ad99
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,3056bc1e4a2ad99
X-Google-Attributes: gidf76e2,public
From: jdouglas@timewave.com (John Douglas)
Subject: Re: Ham Setup
Date: 1998/11/16
Message-ID: <72nubi$8qj$1@news.minn.net>#1/1
X-Deja-AN: 412231081
References: <72h60v$c21@news1.snet.net>
<jCH32.6821$Lj2.3422557@news.rdc1.on.wave.home.com>
<IMH32.928$G41.5348@typhoon01.swbell.net>
X-Complaints-To: news@news.minn.net
X-Trace: news.minn.net 911178930 9043 208.16.89.20 (16 Nov 1998 01:15:30 GMT)
Organization: Timewave Technology Inc.
NNTP-Posting-Date: 16 Nov 1998 01:15:30 GMT
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.cb,rec.radio.swap

>>
>>Rat57z wrote in message <72h60v$c21@news1.snet.net>...
>>>I am a newbe to radio and am looking for a Ham setup. I know nothing
>about
>>>Ham and am looking for advice on what to buy? What I need? Radio,
>>Antenna,

>>>license, tuners, etc.. Is there any units that have antenna, etc in one
>>>package?
>>>Any advice is appreciated. I would be interested in purchasing now if
>>>someone has a setup for sale.
>>>
>>>Thanks
>>>
>>>Richard
>>>
>>>
>>
>>
>
>

Hello Richard:

There are several good sources for Ham Radio Information. Look for QST, CQ, 73
and World radio at better news stands. There are lots of ads for books and
information if you want to try the hobby.

You can also write the ARRL at newham@arrl.org and get a welcome package. I
know a great many new hams that used material from Gordon West, For all his
hi-tect he is not on the web. Try W5YI at 1-800-669-9594 for information on
becoming a new ham

73 (That's ham-speak for "best wishes")

John Douglas
N0ISL/UB5WJD/UA4LIS.
Timewave technology

Check out http://www.timewave.com
for the latest in DSP upgrades for the PK-232 and
PK-232MBX

From 2496284249759989458
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3056bc1e4a2ad99
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,3056bc1e4a2ad99
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,3056bc1e4a2ad99
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 115af6,3056bc1e4a2ad99
X-Google-Attributes: gid115af6,public
X-Google-Thread: 106d41,3056bc1e4a2ad99
X-Google-Attributes: gid106d41,public
From: indy1cache@yahoo.com (John H.)
Subject: Re: Ham Setup
Date: 1998/11/16

Message-ID: <364f934f.3190342@newsread.cioe.com>#1/1
X-Deja-AN: 412250663
References: <72h60v$c21@news1.snet.net>
<jCH32.6821$Lj2.3422557@news.rdc1.on.wave.home.com>
Organization: A company using CIOE's news services
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.cb,rec.radio.swap

>>I am a newbe to radio and am looking for a Ham setup. I know nothing about
>>Ham and am looking for advice on what to buy? What I need? Radio,

Go to http://www.arrl.org/

You can leave you name and address at the site and they will mail a
brochure of clubs and hams in your area.   Also included are locations
and dates for licensing exams. They include a brochure for ording
tapes and books for learning/studying; Yet, you can just go to Radio
Shack and get the books you need.

Hope this helps! Regards, John

From 4666107353231902526
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,8398ee824158ab7d,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,8398ee824158ab7d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,8398ee824158ab7d,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1109af,8398ee824158ab7d,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 11480d,8398ee824158ab7d,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: f76e2,8398ee824158ab7d,start
X-Google-Attributes: gidf76e2,public
From: "Radiodan W7RF" <RFpower@radiodan.com>
Subject: METEORS!! Don't miss it!
Date: 1998/11/16
Message-ID: <GZ_32.7009$Bi1.34633322@clnws01.we.mediaone.net>#1/1
X-Deja-AN: 412488954
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.0810.800
X-Trace: clnws01.we.mediaone.net 911244262 24.130.22.249 (Mon, 16 Nov 1998
11:24:22 PDT)
Organization: MediaOne Express, Western Region
X-MSMail-Priority: Normal
NNTP-Posting-Date: Mon, 16 Nov 1998 11:24:22 PDT
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.dx,rec.radio.amateur.swap,rec.radio.swap

Just a note to remind all of the once every 30 year peak of the meteor showers happening NOW!!!!

It is expected to peak around 1400Z on 11-17-98. Figure excellant conditions
24 hours before and after.
Get on VHF bands and enjoy!!
--
73, Dan Magro
Radiodan W7RF, Portable Clinic
High quality Henry Radio RF Power Amplifiers for LESS!
New, used, unusual, classic radios, accys & RF POWER!
http://www.radiodan.com   RFpower@radiodan.com
A trip to our web site is worth the click!

From -4146557008888297044
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8ce9d2765bf2ed79,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115af6,8ce9d2765bf2ed79,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 10c349,8ce9d2765bf2ed79,start
X-Google-Attributes: gid10c349,public
X-Google-Thread: 101046,8ce9d2765bf2ed79,start
X-Google-Attributes: gid101046,public
From: "Eamon Skelton" <die.all@spammers.org>
Subject: Home Brew Radio Page
Date: 1998/11/20
Message-ID: <732cuf$a1v11@kirk.tinet.ie>#1/1
X-Deja-AN: 413691132
Organization: Telecom Internet (http://www.tinet.ie/)
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Newsgroups: rec.ham-radio,alt.radio,aus.radio,rec.radio

Update to EI9GQ Home Brew Radio Page.

New circuits.
New Photo's
Further progress with the 80M SSB rig.

www.nettaxi.com/citizens/ei9gq/index.html

73 Ed.

--

****

Eamon 'Ed' Skelton EI9GQ
Cork, Ireland

ANTI SPAM RETURN ADDRESS
Real e-mail address below

ei9gq@nettaxi.com

www.nettaxi.com/citizens/ei9gq/

****

```
From 452527675335586178
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e82c233bae28cdf,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,e82c233bae28cdf,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,e82c233bae28cdf,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 115af6,e82c233bae28cdf,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 107ada,e82c233bae28cdf,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,e82c233bae28cdf,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,e82c233bae28cdf,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,e82c233bae28cdf,start
X-Google-Attributes: gid1031c8,public
From: "The Crew" <dc@citynet.net>
Subject: ROLY VALDEZ: et al
Date: 1998/11/23
Message-ID: <73cri7$97i$1@news.citynet.net>#1/1
X-Deja-AN: 414979970
Organization: CityNet Corporation
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amate
ur.misc,rec.radio.amateur.swap,rec.radio.swap
```

Hi all.. please be aware that ALL merchandise I ordered from Roly has arrived a little late, but AS STATED IN CONDITION STATED, People do sometimes have difficulties and we can't plan for the unexpected, so let's cut the guy some slack. I posted with a simple question: 'where did you go

and what happened to your contact lines?' This apparantly sparked a rash of other postings, I assume, of a less than polite nature.... I hope it wasn't my posting that started it and if so, I do apologize to anyone affected.
Roly, if you're out there...Thanks, and hope u resolve the problems, whatever they were and all turns out for the good.....
73 to all,
Randy

```
From -1367286799918830863
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,2086e28426457223,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,2086e28426457223,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,2086e28426457223,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f8c09,2086e28426457223,start
X-Google-Attributes: gidf8c09,public
X-Google-Thread: f55c2,2086e28426457223,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 107ada,2086e28426457223,start
X-Google-Attributes: gid107ada,public
From: "The Crew" <dc@citynet.net>
Subject: Hammcomm Decoder or soundcard software? NEC versa M/75
Date: 1998/11/30
Message-ID: <73ulah$r7b$1@news.citynet.net>#1/1
X-Deja-AN: 417206030
Organization: CityNet Corporation
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Newsgroups: alt.ham-radio.mods,comp.sys.laptops,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc
```

Hi,

I have a NEC Versa M/75 notebook and am having trouble finding software/freeware/shareware that will acknowledge the soundcard, and being the inept one that i am, have also not had much luck by changing the irq's, etc. some software works, some doesn't. It is a built in card with windows drivers, which emulates soundblaster. I'm trying to run things like ACARS decoder, POCSAG decoder, SSTV and RTTY decoders..... am I wasting my time trying to make the "soundcard-type software" work?? Should I just order that HamComm serial port decoder and be done with it? (it do seem to have a lot more software avail.) also, anyone with input on the usefulness and operation of your hamcomm decoder, please feel free to input! Can it be used with a spectrum analyzer program?
thanks for the time and please email replies!
Randy

From 7221182964440137819
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,9260da1a6a500e35,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,9260da1a6a500e35,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f7873,9260da1a6a500e35,start
X-Google-Attributes: gidf7873,public
X-Google-Thread: f4535,9260da1a6a500e35,start
X-Google-Attributes: gidf4535,public
X-Google-Thread: 1062f2,9260da1a6a500e35,start
X-Google-Attributes: gid1062f2,public
X-Google-Thread: 1118be,9260da1a6a500e35,start
X-Google-Attributes: gid1118be,public
X-Google-Thread: 10c2ee,9260da1a6a500e35,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fe99a,9260da1a6a500e35,start
X-Google-Attributes: gidfe99a,public
From: drjohnson@portup.com (Doug Johnson)
Subject: FS: Tubes
Date: 1998/12/04
Message-ID: <drjohnson-0412980825080001@portup148.portup.com>#1/1
X-Deja-AN: 418619623
X-Trace: newshog.newsread.com 912781360 207.75.48.148 (Fri, 04 Dec 1998 09:22:40 EDT)
Organization: Your Home Port in the U.P. (PortUP.com)
NNTP-Posting-Date: Fri, 04 Dec 1998 09:22:40 EDT
Newsgroups: rec.audio.tubes,alt.electronics,misc.industry.electronics.marketplace,sci.electronics.components,alt.ham-radio.marketplace,alt.radio.oldtime,rec.antiques.radio+phono,rec.ham-radio
X-Complaints-To: Abuse Role <abuse@PortUP.com>, We Care <abuse@newsread.com>

I've got a list of all my tubes for sale and their prices at

http://www.portup.com/~drjohnson/tubepage.html. Prices are negotiable when buying several tubes, or will put any tubes requested on an Ebay auction, in any lot you want. So, if there's 5 tubes you need off my list, and you want the best price, I will put them all up for auction in one lot if you want.

From 5933849858935489769
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,9260da1a6a500e35
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,9260da1a6a500e35
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f7873,9260da1a6a500e35

X-Google-Attributes: gidf7873,public
X-Google-Thread: 1062f2,9260da1a6a500e35
X-Google-Attributes: gid1062f2,public
X-Google-Thread: fe99a,9260da1a6a500e35
X-Google-Attributes: gidfe99a,public
X-Google-Thread: f4535,9260da1a6a500e35
X-Google-Attributes: gidf4535,public
X-Google-Thread: 10c2ee,9260da1a6a500e35
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 1118be,9260da1a6a500e35
X-Google-Attributes: gid1118be,public
From: drjohnson@portup.com (Doug Johnson)
Subject: FS: Tubes
Date: 1998/12/04
Message-ID: <drjohnson-0412980825490001@portup148.portup.com>#1/1
X-Deja-AN: 418622249
X-Trace: newshog.newsread.com 912781401 207.75.48.148 (Fri, 04 Dec 1998 09:23:21 EDT)
Organization: Your Home Port in the U.P. (PortUP.com)
NNTP-Posting-Date: Fri, 04 Dec 1998 09:23:21 EDT
Newsgroups: rec.audio.tubes,alt.electronics,misc.industry.electronics.marketplace,sci.electronics.components,alt.ham-radio.marketplace,alt.radio.oldtime,rec.antiques.radio+phono,rec.ham-radio
X-Complaints-To: Abuse Role <abuse@PortUP.com>, We Care <abuse@newsread.com>

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From -8736961669485287714
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,9260da1a6a500e35
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,9260da1a6a500e35
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fe99a,9260da1a6a500e35
X-Google-Attributes: gidfe99a,public
X-Google-Thread: 10c2ee,9260da1a6a500e35
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 1118be,9260da1a6a500e35
X-Google-Attributes: gid1118be,public
X-Google-Thread: f7873,9260da1a6a500e35
X-Google-Attributes: gidf7873,public
X-Google-Thread: 1062f2,9260da1a6a500e35
X-Google-Attributes: gid1062f2,public
X-Google-Thread: f4535,9260da1a6a500e35

X-Google-Attributes: gidf4535,public
From: drjohnson@portup.com (Doug Johnson)
Subject: FS: Tubes
Date: 1998/12/04
Message-ID: <drjohnson-0412980826050001@portup148.portup.com>#1/1
X-Deja-AN: 418622250
X-Trace: newshog.newsread.com 912781417 207.75.48.148 (Fri, 04 Dec 1998 09:23:37 EDT)
Organization: Your Home Port in the U.P. (PortUP.com)
NNTP-Posting-Date: Fri, 04 Dec 1998 09:23:37 EDT
Newsgroups: rec.audio.tubes,alt.electronics,misc.industry.electronics.marketplace,sci.electronics.components,alt.ham-radio.marketplace,alt.radio.oldtime,rec.antiques.radio+phono,rec.ham-radio
X-Complaints-To: Abuse Role <abuse@PortUP.com>, We Care <abuse@newsread.com>

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From 9005924668102287187
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,9260da1a6a500e35
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,9260da1a6a500e35
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1062f2,9260da1a6a500e35
X-Google-Attributes: gid1062f2,public
X-Google-Thread: f7873,9260da1a6a500e35
X-Google-Attributes: gidf7873,public
X-Google-Thread: f4535,9260da1a6a500e35
X-Google-Attributes: gidf4535,public
X-Google-Thread: 1118be,9260da1a6a500e35
X-Google-Attributes: gid1118be,public
X-Google-Thread: 10c2ee,9260da1a6a500e35
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fe99a,9260da1a6a500e35
X-Google-Attributes: gidfe99a,public
From: drjohnson@portup.com (Doug Johnson)
Subject: FS: Tubes
Date: 1998/12/04
Message-ID: <drjohnson-0412980826280001@portup148.portup.com>#1/1
X-Deja-AN: 418622251
X-Trace: newshog.newsread.com 912781440 207.75.48.148 (Fri, 04 Dec 1998 09:24:00 EDT)
Organization: Your Home Port in the U.P. (PortUP.com)
NNTP-Posting-Date: Fri, 04 Dec 1998 09:24:00 EDT

Newsgroups:
rec.audio.tubes,alt.electronics,misc.industry.electronics.marketplace,sci.electronics.components,alt.ham-radio.marketplace,alt.radio.oldtime,rec.antiques.radio+phono,rec.ham-radio
X-Complaints-To: Abuse Role <abuse@PortUP.com>, We Care <abuse@newsread.com>

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when buying several tubes, or will put any tubes requested on an Ebay
auction, in any lot you want. So, if there's 5 tubes you need off my
list, and you want the best price, I will put them all up for auction in
one lot if you want.

From -4598102546111991253
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,9260da1a6a500e35
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,9260da1a6a500e35
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f7873,9260da1a6a500e35
X-Google-Attributes: gidf7873,public
X-Google-Thread: f4535,9260da1a6a500e35
X-Google-Attributes: gidf4535,public
X-Google-Thread: 10c2ee,9260da1a6a500e35
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 1062f2,9260da1a6a500e35
X-Google-Attributes: gid1062f2,public
X-Google-Thread: 1118be,9260da1a6a500e35
X-Google-Attributes: gid1118be,public
X-Google-Thread: fe99a,9260da1a6a500e35
X-Google-Attributes: gidfe99a,public
From: "M G Douglas" <coacsol@globalnet.co.uk>
Subject: Re: Tubes
Date: 1998/12/04
Message-ID: <749908$9f0$1@newnews.global.net.uk>#1/1
X-Deja-AN: 418689905
References: <drjohnson-0412980826280001@portup148.portup.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
Organization: Coacsol
Newsgroups:
rec.audio.tubes,alt.electronics,misc.industry.electronics.marketplace,sci.electronics.components,alt.ham-radio.marketplace,alt.radio.oldtime,rec.antiques.radio+phono,rec.ham-radio

Doug Johnson wrote in message ...
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>
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>list, and you want the best price, I will put them all up for auction in
>one lot if you want.

FINE, but forgive me if I suggest that we don't need to know all 4 times:
please remember that an NG post can take up to 15 minutes or so to arrive.
Thanks.

Gordon D.

From 7812114026708476872
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,9260da1a6a500e35
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,9260da1a6a500e35
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1062f2,9260da1a6a500e35
X-Google-Attributes: gid1062f2,public
X-Google-Thread: f4535,9260da1a6a500e35
X-Google-Attributes: gidf4535,public
X-Google-Thread: 1118be,9260da1a6a500e35
X-Google-Attributes: gid1118be,public
X-Google-Thread: f7873,9260da1a6a500e35
X-Google-Attributes: gidf7873,public
X-Google-Thread: 10c2ee,9260da1a6a500e35
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fe99a,9260da1a6a500e35
X-Google-Attributes: gidfe99a,public
From: reese@larmor.nmr.mgh.harvard.edu (Tim Reese)
Subject: Re: Tubes
Date: 1998/12/05
Message-ID: <74besa$cok@larmor.nmr.mgh.harvard.edu>#1/1
X-Deja-AN: 418949115
References: <drjohnson-0412980826280001@portup148.portup.com>
<749908$9f0$1@newnews.global.net.uk>
Organization: Massachusetts General Hospital
Newsgroups:
rec.audio.tubes,alt.electronics,misc.industry.electronics.marketplace,sci.electronics.components,alt.ham-radio.marketplace,alt.radio.oldtime,rec.antiques.radio+phono,rec.ham-radio

In article <749908$9f0$1@newnews.global.net.uk>,
M G Douglas <coacsol@globalnet.co.uk> wrote:
>Doug Johnson wrote in message ...
>>I've got a list of all my tubes for sale and their prices at
<repetitive post snipped>
>FINE, but forgive me if I suggest that we don't need to know all 4 times:
>please remember that an NG post can take up to 15 minutes or so to arrive.
>Thanks.

>Gordon D.

Ha! Maybe from _your_ news server, Gordon. Mine can take from seconds to
days, depending on the routing and traffic ...   cheers tr

--

Tim Reese, MGH NMR Center   reese@nmr.MGH.harvard.edu

From 5420722737556359511
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,9260da1a6a500e35
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,9260da1a6a500e35
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f7873,9260da1a6a500e35
X-Google-Attributes: gidf7873,public
X-Google-Thread: 10c2ee,9260da1a6a500e35
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 1062f2,9260da1a6a500e35
X-Google-Attributes: gid1062f2,public
X-Google-Thread: f4535,9260da1a6a500e35
X-Google-Attributes: gidf4535,public
X-Google-Thread: fe99a,9260da1a6a500e35
X-Google-Attributes: gidfe99a,public
X-Google-Thread: 1118be,9260da1a6a500e35
X-Google-Attributes: gid1118be,public
From: "M G Douglas" <coacsol@globalnet.co.uk>
Subject: Re: Tubes
Date: 1998/12/06
Message-ID: <74dnco$1a7$1@newnews.global.net.uk>#1/1
X-Deja-AN: 419222865
References: <drjohnson-0412980826280001@portup148.portup.com>
<749908$9f0$1@newnews.global.net.uk> <74besa$cok@larmor.nmr.mgh.harvard.edu>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
Organization: Coacsol
Newsgroups:
rec.audio.tubes,alt.electronics,misc.industry.electronics.marketplace,sci.electronics.components,alt.ham-radio.marketplace,alt.radio.oldtime,rec.antiques.radio+phono,rec.ham-radio

Tim Reese wrote in message <74besa$cok@larmor.nmr.mgh.harvard.edu>...
>In article <749908$9f0$1@newnews.global.net.uk>,
>M G Douglas <coacsol@globalnet.co.uk> wrote:
>>Doug Johnson wrote in message ...
>>>I've got a list of all my tubes for sale and their prices at
><repetitive post snipped>
>>FINE, but forgive me if I suggest that we don't need to know all 4 times:

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>>Thanks.
>
>>Gordon D.
>
>
>Ha! Maybe from _your_ news server, Gordon. Mine can take from seconds to
>days, depending on the routing and traffic ...   cheers tr
>
>--
>---
>Tim Reese, MGH NMR Center   reese@nmr.MGH.harvard.edu

Bl**dy H*ll - and I thought I was being so careful, the usual time taken being 1 minute! If we can fit into the Net so fast from over here what's wrong with your system (Mass?) right at the heart of things? Change ISP?

Cheers, Gordon.

From 6346185961421796057
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,8d3ba86ef66be38b,start
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,8d3ba86ef66be38b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,8d3ba86ef66be38b,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fb049,8d3ba86ef66be38b,start
X-Google-Attributes: gidfb049,public
From: "xopher" <rumcd@open.org>
Subject: Need KNWD TK-350 Manual, Cable and Software
Date: 1998/12/13
Message-ID: <s0Wc2.1136$c5.171@news14.ispnews.com>#1/1
X-Deja-AN: 421899161
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
X-Trace: news14.ispnews.com 913583256 199.2.104.24 (Sun, 13 Dec 1998 16:07:36 EDT)
Organization: ISPNews http://ispnews.com
NNTP-Posting-Date: Sun, 13 Dec 1998 16:07:36 EDT
Newsgroups: alt.ham-radio.fm,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.radio.amateur.misc

I'm looking for a manual or a photocopy for the Kenwood TK-350 UHF HT. I'm also looking for the programming cable and applicable software.

TNX!

KD6FIB / Christopher
rumcd@open.org

From 6442667559592278726
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,c354c8f9a0038a79,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,c354c8f9a0038a79,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,c354c8f9a0038a79,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 1062f2,c354c8f9a0038a79,start
X-Google-Attributes: gid1062f2,public
X-Google-Thread: f7873,c354c8f9a0038a79,start
X-Google-Attributes: gidf7873,public
X-Google-Thread: f4535,c354c8f9a0038a79,start
X-Google-Attributes: gidf4535,public
X-Google-Thread: 1118be,c354c8f9a0038a79,start
X-Google-Attributes: gid1118be,public
X-Google-Thread: fe99a,c354c8f9a0038a79,start
X-Google-Attributes: gidfe99a,public
From: drjohnson@portup.com (Doug Johnson)
Subject: FS: Tubes
Date: 1998/12/14
Message-ID: <drjohnson-1412980748200001@portup231.portup.com>#1/1
X-Deja-AN: 422121611
X-Trace: newshog.newsread.com 913643139 207.75.48.231 (Mon, 14 Dec 1998 08:45:39 EDT)
Organization: Your Home Port in the U.P. (PortUP.com)
NNTP-Posting-Date: Mon, 14 Dec 1998 08:45:39 EDT
Newsgroups: rec.audio.tubes,alt.electronics,misc.industry.electronics.marketplace,sci.electronics.components,alt.ham-radio.marketplace,alt.radio.oldtime,rec.antiques.radio+phono,rec.ham-radio
X-Complaints-To: Abuse Role <abuse@PortUP.com>, We Care <abuse@newsread.com>

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From -3733602222519854112
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,42f95a76c16671db,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,42f95a76c16671db,start
X-Google-Attributes: gid108122,public

X-Google-Thread: fddbf,42f95a76c16671db,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10fbd1,42f95a76c16671db,start
X-Google-Attributes: gid10fbd1,public
X-Google-Thread: f76e2,42f95a76c16671db,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,42f95a76c16671db,start
X-Google-Attributes: gid1031c8,public
From: Jerry Bransford <jerrypb@home.com>
Subject: 2m/440MHz gear and Cushcraft R-5 vertical HF antenna for sale
Date: 1998/12/16
Message-ID: <36773A13.291B@home.com>#1/1
X-Deja-AN: 422756694
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: news@home.net
X-Trace: news.rdc1.sdca.home.com 913783314 24.0.189.226 (Tue, 15 Dec 1998 20:41:54 PDT)
Organization: None that I care to advertise for...
MIME-Version: 1.0
Reply-To: jerrypb@home.com
NNTP-Posting-Date: Tue, 15 Dec 1998 20:41:54 PDT
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur.swap,rec.radio.amateur.packet,rec.radio.amateur.equipment,

1) Standard (brand) "Twin Bander" (Dual Band) 144 MHz/450 MHz FM Transceiver. Includes optional 100 channel memory upgrade. Can also be used for repeater or packet duties. All controls are on the microphone so you can mount the main unit anywhere in your car or truck. It includes the 2m extension cable between the microphone/controls and the main unit. It works perfectly and looks near new. It's never been abused. It has been modified so it can transmit/receive on Civil Air Patrol frequencies. It is made for mobile use so it needs 12 volts DC to operate on. It has around 50 watt output and can receive from 118 MHz to over 800 MHz in addition to the ham and CAP bands. It can receive on two different bands simultaneously, and can also be used as a cross-band repeater. Simultaneous receive and transmit is possible.

2) ICOM IC-W2A Dual Band FM hand-held Transceiver. 5 Watts output. Also modified for use on the CAP bands that have no negative effect on normal operations. This also receives outside the hambands too and includes 118 to over 800 Mhz. It can receive on two different bands simultaneously, and can also be used as a cross-band repeater. Simultaneous receive and transmit is possible. This unit can also operate packet. 60 memory channels.

3) Cushcraft R-5 HF Vertical antenna. Perfect for the 10M band now coming back alive. This unit is near-new, since it was only installed a couple hours before a neighbor threatened to sue me over it (CC&Rs). Please, no comments on that LOL... I dealt with that some time back. I don't recall the specific bands this antenna works but 10/15/17/20 come to mind.

If you don't want to spend cash, I will negotiate for certain items I want you can buy off your credit card and ship to me in exchange.

Please, PLEASE... don't contact me UNLESS you are serious about buying one or more of the above units, I get too much email as it is. I'll accept best offers for them all. $350 minimum for the Standard, $300 for the ICOM, $150 for the Cushcraft. You pay shipping costs.

73,

Jerry Bransford

--
Jerry Bransford
PP-ASEL KC6TAY C.A.P.
The Zen Hotdog... make me one with everything!

From 7903823516802765427
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,d473944d49d8c1d6,start
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,d473944d49d8c1d6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f55c2,d473944d49d8c1d6,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fb049,d473944d49d8c1d6,start
X-Google-Attributes: gidfb049,public
From: Walter Dunckel <wdunckel@best.com>
Subject: Re: kenwood service center letter
Date: 1998/12/16
Message-ID: <36788A13.D885D0A8@best.com>#1/1
X-Deja-AN: 423134304
Content-Transfer-Encoding: 7bit
References: <367873A7.469FE30B@flash.net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
Organization: ICGNetcom
X-NETCOM-Date: Wed Dec 16 10:35:44 PM CST 1998
Mime-Version: 1.0
Newsgroups: alt.ham-radio.fm,alt.ham-radio.mods,alt.ham-radio.vhf-uhf,rec.ham-radio

So, after suffering with the TH-78, you decided to buy a TMV7a. You are obviously a masochist. Let me put you out of your misery. Give me your TM-V7A.

Glad to help.

Walter

Chris & Darla Dusseau wrote:
>
> a little letter i wrote to the kenwood customer care center on 12-16-98
> followed by an earler letter and there so called responce. kennwod has a
> warenty repair return wait of 1 month. which is a pile of crap.
>
> 12-16-98
> well this is the the same letter i sent you on the 2nd of december, it
> is now 14 days
> later and still no reply. this is just as bad as the return rate on
> waranty service. well
> seeing how you were no help to me. i will let the people know about this
> on all the ham
> news groups and in email to other hams i know, encouraging a boycott of
> kenwwod amature
> radio equipment, along with a posting of this matter on my web site. i
> for that matter
> will never buy another kenwood radio. it dosent take much to respond and
> take care of
> your customers who work there ass of to spend way too much of there
> money on your crapy
> equipment even when it is know for being crapy. i have owend a 78-a and
> now this tm-v7a
> and have never been happy with this equipment, i was much happyer when i
> owend a ft-530
> from yaesu. i never had a problem with that radio. but this little
> letter wont be or make
> a big deal to you, youll just erase it and forget about it in a few
> hours or so. put your
> self in the customers shoes. spend your hard earned kenwood money on
> somthing crapy and
> try to get it fixed or just be happy with it and youll see what it feels
> like to be
> screwd. if i could return this radio i would, but i guess im stuck with
> the smelll and
> bad taste of kenwood in my mouth.
>
> 12-2-98
> any known problems with the tm-v7a, mine seems not to be working like it
> should
>
> 12-4-98
> Dear Chris:
> Thank you for your e-mail. What kind of problems are you having?
> Sincerely,
> Kenwood Customer Care

From 1434286289544159917
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,d473944d49d8c1d6

X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,d473944d49d8c1d6
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f55c2,d473944d49d8c1d6
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fb049,d473944d49d8c1d6
X-Google-Attributes: gidfb049,public
From: Chris & Darla Dusseau <ke6fgy@flash.net>
Subject: kenwood service center letter
Date: 1998/12/17
Message-ID: <367873A7.469FE30B@flash.net>#1/1
X-Deja-AN: 423076908
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@flash.net
X-Trace: news.flash.net 913856258 209.30.56.101 (Wed, 16 Dec 1998 18:57:38 CDT)
Organization: FlashNet Communications, http://www.flash.net
MIME-Version: 1.0
Reply-To: ke6fgy@flash.net
NNTP-Posting-Date: Wed, 16 Dec 1998 18:57:38 CDT
Newsgroups: alt.ham-radio.fm,alt.ham-radio.mods,alt.ham-radio.vhf-uhf,rec.ham-radio

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followed by an earler letter and there so called responce. kennwod has a
warenty repair return wait of 1 month. which is a pile of crap.

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kenwwod amature
radio equipment, along with a posting of this matter on my web site. i
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equipment even when it is know for being crapy. i have owend a 78-a and
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and have never been happy with this equipment, i was much happyer when i
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from yaesu. i never had a problem with that radio. but this little
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like to be
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the smelll and
bad taste of kenwood in my mouth.

12-2-98
any known problems with the tm-v7a, mine seems not to be working like it
should

12-4-98
Dear Chris:
 Thank you for your e-mail. What kind of problems are you having?
 Sincerely,
 Kenwood Customer Care

From -7945536655664849959
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,d473944d49d8c1d6
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,d473944d49d8c1d6
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f55c2,d473944d49d8c1d6
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fb049,d473944d49d8c1d6
X-Google-Attributes: gidfb049,public
From: "Daniel Martin" <dwmartin@idirect.com>
Subject: Re: kenwood service center letter
Date: 1998/12/17
Message-ID: <01a9fc5c$4688f3c0$1be7a1d1@sbe>#1/1
X-Deja-AN: 423496868
References: <367873A7.469FE30B@flash.net>
X-Trace: 17 Dec 1998 23:14:05 +0500, ts7-15t-27.idirect.com
Organization: Internet Direct Usenet User
Newsgroups: alt.ham-radio.fm,alt.ham-radio.mods,alt.ham-radio.vhf-uhf,rec.ham-radio

Well, I must say I had a problem with a Kenwood product(s), I Emailed them
in a contructive manner, enquiring what can be done, and recieved EXCELLENT
customer satisfaction. Try being a little more detailled in your posts to
Kenwood, If there is the odd bug, they aren't going to publicize it, but
probobly would be happy to make amends. Your original post does not address
what your problem with the raido is. They can't help you,if you don't clue
them in.

dwmartin@idirect.com
--

Chris & Darla Dusseau <ke6fgy@flash.net> wrote in article
<367873A7.469FE30B@flash.net>...
> a little letter i wrote to the kenwood customer care center on 12-16-98
> followed by an earler letter and there so called responce. kennwod has a
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> kenwwod amature
> radio equipment, along with a posting of this matter on my web site. i
> for that matter
> will never buy another kenwood radio. it dosent take much to respond and
> take care of
> your customers who work there ass of to spend way too much of there
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> equipment even when it is know for being crapy. i have owend a 78-a and
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> from yaesu. i never had a problem with that radio. but this little
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> 12-2-98
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> should
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> 12-4-98
> Dear Chris:
> Thank you for your e-mail. What kind of problems are you having?
> Sincerely,
> Kenwood Customer Care
>
>

From -8984663199059632788

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38e3a5eb1d0e5488,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,38e3a5eb1d0e5488,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,38e3a5eb1d0e5488,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,38e3a5eb1d0e5488,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fb049,38e3a5eb1d0e5488,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1031c8,38e3a5eb1d0e5488,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 11480d,38e3a5eb1d0e5488,start
X-Google-Attributes: gid11480d,public
From: "finehomes" <finehomes@mail.lds.net>
Subject: Trade Laptop for 6 meter radio.
Date: 1998/12/19
Message-ID: <75i4hc$445$1@newsfeed.netutah.net>#1/1
X-Deja-AN: 424154428
Organization: NetUtah Internet Services
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.swap

Hi All. I'm looking to get involved in 6 meters and need a radio. I have
AT&T 486 DX4/75 mhz laptop with color screen, 20 megs ram, 540 meg HD,
33.6K modem, WIN95, etc etc. Great little machine with leather carry case.
Will take $350.00 for it or trade for radio equipment.   Thanks.

Sam
KC7QCE

From -3691311344185603305
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3a4ccdb87861c69a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,3a4ccdb87861c69a,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,3a4ccdb87861c69a,start
X-Google-Attributes: gid107ada,public
From: Robin <ve3bi@ica.net.DELETE>
Subject: Help:Pre-Amp Schematic Diagram
Date: 1998/12/20
Message-ID: <367D4256.C675D647@ica.net.DELETE>#1/1
X-Deja-AN: 424262869
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii

MIME-Version: 1.0
Newsgroups: rec.radio.amateur,rec.radio.amateur.misc,rec.ham-radio

Hello there,

Please help me find the schematic diagram for Avantek pre-amplifier.
Model # is AK-400N and it covers 200-400 MHz.
I need to fix it for my 220 repeater.
I'll pay for the cost of copying and postage.

Thanks and Happy Holiday!.
73 Robin
(Pse remove DELETE at the end of my email address.)

From 1023153102061052455
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,f7c3539999a1252c,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,f7c3539999a1252c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5341,f7c3539999a1252c,start
X-Google-Attributes: gidf5341,public
X-Google-Thread: 1009ad,f7c3539999a1252c,start
X-Google-Attributes: gid1009ad,public
From: "Multicomm 2000" <multicomm@multicomm2000.com>
Subject: Holiday Hours
Date: 1998/12/23
Message-ID: <75r5lt$ipk$1@starburst.uk.insnet.net>#1/1
X-Deja-AN: 425211442
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
X-Complaints-To: usenet@starburst.uk.insnet.net
X-Trace: starburst.uk.insnet.net 914430461 19252 193.243.228.101 (23 Dec 1998 16:27:41 GMT)
Organization: Multicomm 2000
NNTP-Posting-Date: 23 Dec 1998 16:27:41 GMT
Newsgroups: alt.ham-radio.marketplace,alt.radio.scanner,alt.radio.scanner.uk,rec.ham-radio

We would like to take this oppertunity in wishing you all a very merry
Christmas and a Happy new Year.

Opening Hours: Thursday 24th December through 12th Jan 1999
CLOSED :)

Business as normal from that time.

Martyn Allison
Multicomm 2000

```
From 1361405561502928876
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,e8f54a6f7a2fba85,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,e8f54a6f7a2fba85,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,e8f54a6f7a2fba85,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,e8f54a6f7a2fba85,start
X-Google-Attributes: gidf76e2,public
From: "Ken Simpson" <W8EK@usa.net>
Subject: Kenwood HTs and accessories FS
Date: 1998/12/26
Message-ID: <ycbh2.263$B46.774241@newshog.newsread.com>#1/1
X-Deja-AN: 425987801
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
X-Complaints-To: Abuse Role <abuse@fdt.net>, We Care <abuse@newsread.com>
X-Trace: newshog.newsread.com 914702238 209.212.145.64 (Sat, 26 Dec 1998 14:57:18
EDT)
Organization: KenMar Industries
NNTP-Posting-Date: Sat, 26 Dec 1998 14:57:18 EDT
Newsgroups: rec.ham-radio.swap,alt.ham-radio.marketplace,alt.ham-radio.vhf-
uhf,rec.ham-radio
```

The following Kenwood HTs and accessories are for sale:

TH-21 AT - small, synthesized 2 meter HT. Basic, without a bunch of "bells and whistles". Includes TT Pad built in, rubber duck antenna, good battery, charger, original box and manual. $ 100

TH-41 BT - as above, but for 440 MHz. Sub audible tone adjustable by DIP switches on front panel. Same accessories as above. $ 125

Stubby rubber duck antennas. Will fit the TH-21, TH-31, or TH-41 respectively. (Separate antenna for 2 meters, 220 MHz, or 440 MHz) $ 10 each

BT-6 empty battery try for the TH-21 series HTs. Hold 6 AAA batteries. $ 20

DC-21, DC (cigarette lighter) cord and power converter for TH-21 series HTs $ 25

SC-8 T, soft case for the above series HTs. $ 15

BH-3 belt clip for above series HTs $ 4

TH-21 "Special". This is an HT as above, but will transmit only. Receive is dead. HT for transmit only. Would be great for "Fox hunts", as the unit is fully synthesized, and the transmitter works fine. $ 25 as is.

Other Kenwood Accessories. All are NEW, in the original packing.

PB-26 battery pack for TR-2600 or TR-2500 $ 50

MC-43 microphone, 8 pin, hand mic, like came with most of the HF radios.
Has "Up" and "Down" buttons. $ 55

SC-8T soft case $ 15

Prices do not include shipping from Florida.

Thanks, and Happy New Year.

73,

Ken, W8EK

Ken Simpson
E-Mail to W8EK@usa.net or W8EK@fdt.net
http://www.gnv.fdt.net/~kenmar
Voice Phone (352) 732-8400

```
From -1640667163775364761
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,63f796eb224f676f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,63f796eb224f676f,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,63f796eb224f676f,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1031c8,63f796eb224f676f,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,63f796eb224f676f,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,63f796eb224f676f,start
X-Google-Attributes: gid1109af,public
From: "The Crew" <dc@citynet.net>
Subject: An FT900at FS $775
```

Date: 1998/12/27
Message-ID: <764g50$ij3$1@news.citynet.net>#1/1
X-Deja-AN: 426113014
Organization: CityNet Corporation
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

Hi,
Well, I'm giving it up in lieu of a new computer....

NEVER MOBILE

Yaesu FT900AT
auto freq. tracking tuner built in
modded for MARS/CAP
all the normal base model stuff....
no scratches or dents, works great!
Purchased new in 1995 from AES, (I even have the reciept.. over $1300!!)
Radio, manual, hand mike, box, papers to include factory mods, etc...
factory filters
Priced at $775, uship, No trades, please....
Please reply via EMAIL
Picture emailed on request and this one will have to be prepay, so
references available, too, from these groups even!
thanks for the time and space,
Randy, KC8CPK

From 2446662866161320962
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,d473944d49d8c1d6
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,d473944d49d8c1d6
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,d473944d49d8c1d6
X-Google-Attributes: gidfb049,public
X-Google-Thread: f55c2,d473944d49d8c1d6
X-Google-Attributes: gidf55c2,public
From: Kenn Garner <pamkenn@iland.net>
Subject: Re: kenwood service center letter
Date: 1998/12/27
Message-ID: <3686B149.498DE50F@iland.net>#1/1
X-Deja-AN: 426259336
Content-Transfer-Encoding: 7bit
References: <367873A7.469FE30B@flash.net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii

X-Complaints-To: newsabuse@remarQ.com
X-Trace: 914796851 9/QP6.UCI5AABD01EC usenet57.supernews.com
Organization: Posted via RemarQ, http://www.remarQ.com - Discussions start here!
Mime-Version: 1.0
Newsgroups: alt.ham-radio.fm,alt.ham-radio.mods,alt.ham-radio.vhf-uhf,rec.ham-radio

We started servicing Kenwood commercial equipment 9 months ago and have yet
to be able to get even one part. We ordered a microphone and they could not
even fill that order.
The customers are providing us with radio's to butcher for parts and
replacing them as needed with motorola's

Kenn

Chris & Darla Dusseau wrote:

> a little letter i wrote to the kenwood customer care center on 12-16-98
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> equipment even when it is know for being crapy. i have owend a 78-a and
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> from yaesu. i never had a problem with that radio. but this little
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```
From 7184619244148048031
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dca6f05419541330,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,dca6f05419541330,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,dca6f05419541330,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,dca6f05419541330,start
X-Google-Attributes: gid107ada,public
From: hughjass@REMOVE_THIS.beer.com (Hugh Jass)
Subject: Yaesu FT-920: To mod or not to mod (please share your experiences)
Date: 1998/12/29
Message-ID: <1xXh2.12020$Vg2.3304605@news3.mia>#1/1
X-Deja-AN: 426643579
Organization: Hugh Jass, Inc.
NNTP-Posting-Date: Mon, 28 Dec 1998 21:55:57 EDT
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.ham-
radio,rec.radio.amateur
```

I have a new Yaesu ft-920 HF+6M radio and have been itching to do the Tx-expand mod found at various radio mod sites. See:
http://home1.inet.tele.dk/ehh/mods/mod/yaesu/ft-920.htm

This mod involves uploading a file directly through the serial port that will supposedly unlock Tx on the full range of frequencies.

I have searched around and read the newsgroups and some have said that this mod was not intended for the US model, and that it could damage the CPU. Others have said that it worked fine. I did not actually see any posts from anyone who did the mod unsuccessfully and ruined their radio.

I would appreciate feedback/comments from people who have performed this mod to their radios, and what the outcome was. I would like to see this issue clarified once and for all.

Please, no flames.

Thanks,

Hugh

```
From 5271335768597937210
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dca6f05419541330
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,dca6f05419541330
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,dca6f05419541330
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 107ada,dca6f05419541330
X-Google-Attributes: gid107ada,public
From: "Dan K Nelson" <kf6knb@usa.net>
Subject: Re: Yaesu FT-920: To mod or not to mod (please share your experiences)
Date: 1998/12/29
Message-ID: <76a392$suu$1@news-1.news.gte.net>#1/1
X-Deja-AN: 426709945
References: <1xXh2.12020$Vg2.3304605@news3.mia>
X-Priority: 3
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.0810.800
Organization: gte.net
X-Auth: D35D8F5655C1CB9D55D58491
X-MSMail-Priority: Normal
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.ham-
radio,rec.radio.amateur
```

Hugh Jass <hughjass@REMOVE_THIS.beer.com> wrote in message

>I have a new Yaesu ft-920 HF+6M radio and have been itching to do the
>Tx-expand mod found at various radio mod sites.

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>mod to their radios, and what the outcome was. I would like to see this
issue
>clarified once and for all.
>
>Please, no flames.
>
>Thanks,
>
>Hugh

This issue can't be "resolved once and for all". As several previous posts
have indicated, the sucess or failure of the mod depends on the CPU version
and E-Prom Bios rev in your particular radio. Since there is no info on
which versions it will work with and which versions it will destroy, the

risk is yours. Take a gamble and try it, or be safe and send it to Yaesu with a copy of your MARS/CAP endorsement and they will do it for you for the cost of shipping.

(Incidentally, I have seen a post or two on the newsgroups from persons who have had damage from trying this mod. You might want to search www.dejanews.com and try to find them for yourself. However, I would suspect that most of the people who may have messed up their rigs with this mod would avoid telling the world about it by posting it here.)

As Mr. Eastwood once said "Do you feel lucky ?"

73 de KF6KNB

From -2525908113796824380
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dca6f05419541330
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,dca6f05419541330
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,dca6f05419541330
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,dca6f05419541330
X-Google-Attributes: gidfc2a5,public
From: "Bill Crocker" <bcrocker@home.com>
Subject: Re: Yaesu FT-920: To mod or not to mod (please share your experiences)
Date: 1998/12/29
Message-ID: <4D8i2.2936$tr6.824@news.rdc1.mi.home.com>#1/1
X-Deja-AN: 426826075
References: <1xXh2.12020$Vg2.3304605@news3.mia>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
X-Complaints-To: abuse@home.net
X-Trace: news.rdc1.mi.home.com 914953792 24.2.71.213 (Tue, 29 Dec 1998 09:49:52 PDT)
Organization: @Home Network
NNTP-Posting-Date: Tue, 29 Dec 1998 09:49:52 PDT
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.ham-radio,rec.radio.amateur

I guess you have to ask yourself, why do you want to do the mod, and will/can you use it once it's done, and if it works? And remember the old saying... "If it works, don't fix it!" The FT-920 is a super radio... you don't want to screw it up.

Bill Crocker

Hugh Jass wrote in message <1xXh2.12020$Vg2.3304605@news3.mia>...

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>Tx-expand mod found at various radio mod sites. See:
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>mod to their radios, and what the outcome was. I would like to see this
issue
>clarified once and for all.
>
>Please, no flames.
>
>Thanks,
>
>Hugh

From -3054271940278087337
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c69cd8e6f7fa5afd,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,c69cd8e6f7fa5afd,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10c2ee,c69cd8e6f7fa5afd,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: f76e2,c69cd8e6f7fa5afd,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,c69cd8e6f7fa5afd,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 115af6,c69cd8e6f7fa5afd,start
X-Google-Attributes: gid115af6,public
From: Bill <billharx@flash.net>
Subject: Re: READ THIS
Date: 1998/12/29
Message-ID: <3689407B.724@flash.net>
X-Deja-AN: 426896888
Content-Transfer-Encoding: 7bit
References: <36894B6A.4007912D@flash.net>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@flash.net
X-Trace: news.flash.net 914968262 209.30.9.94 (Tue, 29 Dec 1998 15:51:02 CDT)

```
Organization: None
MIME-Version: 1.0
Reply-To: billharx@flash.net
NNTP-Posting-Date: Tue, 29 Dec 1998 15:51:02 CDT
Newsgroups: rec.antiques.radio+phono,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio,rec.radio.amateur

Flashnet has a strict policy against users spamming the net, please
forward this to abuse@flash.net

Keoki wrote:
>
> $$MAKING MONEY$$ Posted by WILL on December 20 at 08:53:09 I found this
> on a bulletin board and decided to try it. A little while back, I was
> browsing through newsgroups, just like you are now, and came across an
> article similar to this that said you could make thousands of dollars
> within weeks with only an initial investment of $6.00! So I thought,
> "Yeah right, this must be a scam", but like most of us, I was curious,
> so I kept reading. : Anyway, it said that you send $1.00 to each of the
> 6 names and address stated in the article. You then place your own name
> and address in the bottom of the list at #6, and post the article in at
> least 200 newsgroups. (There are thousands) No catch, that was it. So
> after thinking it over, and talking to a few people first, I thought
> about trying it. I figured: "what have I got to lose except 6 stamps and
> $6.00, right?" Then I invested the measly $6.00. Well GUESS WHAT! Within
> 7 days, I started getting money in the mail! I was shocked! I figured it
> would end soon, but the money just kept coming in. In my first week, I
> made about $25.00. By the end of the second week I had made a total of
> over $1,000.00! In the third week I had over $10,000.00 and it's still
> growing. This is now my fourth week and I have made a total of just over
> $42,000.00 and it's still coming in rapidly. : It's certainly worth
> $6.00, and 6 stamps, I have spent more than that on the lottery! Let me
> tell you how this works and most importantly, why it works.  Also, make
> sure you print a copy of this article NOW, so you can get the
> information off of it, as you need it. I promise you that if you follow
> the directions exactly, that you will start making more money than you
> thought possible by doing something so easy! Suggestion: Read this
> entire message carefully! (print it out or download it.) Follow the
> simple directions and watch the money come in! It's easy. It's legal.
> And, your investment is only $6.00 (Plus postage) IMPORTANT: This is not
> a rip-off; it is not indecent; it is not illegal; and it is virtually no
> risk - it really works!  If all of the following instructions are
> adhered to, you will receive extraordinary dividends. PLEASE NOTE:
> Please follow these directions EXACTLY, and $50,000 or more can be yours
> in 20 to 60 days. This program remains successful because of the honesty
> and integrity of the participants. Please continue its success by
> carefully adhering to the instructions. You will now become part of the
> Mail Order business. In this business your product is not solid and
> tangible, it's a service. You are in the business of developing Mailing
> Lists. Many large corporations are happy to pay big bucks for quality
> lists. However, the money made from the mailing lists is secondary to
> the income which is made from people like you and me asking to be
> included in that list. Here are the 4 easy steps to success:
```

>
> STEP 1: Get 6 separate pieces of paper and write the following on each
> piece of paper "PLEASE PUT ME ON YOUR MAILING LIST." Now get 6 US $1.00
> bills and place ONE inside EACH of the 6 pieces of paper so the bill
> will not be seen through the envelope (to prevent thievery). Next, place
> one paper in each of the 6 envelopes and seal them. You should now have
> 6 sealed envelopes, each with a piece of paper stating the above phrase,
> your name and address, and a $1.00 bill. What you are doing is creating
> a service. THIS IS ABSOLUTELY LEGAL! You are requesting a legitimate
> service and you are paying for it! Like most of us I was a little
> skeptical and a little worried about the legal aspects of it all. So I
> checked it out with the U.S. Post Office (1-800-725-2161) and they
> confirmed that it is indeed legal! Mail the 6 envelopes to the following
> addresses:
>
> #1) Michael 12301 Studebaker #219, Norwalk, CA 90650
> #2) Sandy P.O. Box 203, Norwalk, CA 90651
> #3) William 15908 Summer Sage Rd, Poway, CA 92064
> #4)Beaner 12 Windsor Cres., North Bay, Ontario, Canada poh 1p0 :
> #5) Brandon Ridenhour 4750 Sherrills Ford Rd. Salisbury, N.C. 28147 :
> #6) Gonzalo PO Box 219219122, Houston, Texas 77218
>
> STEP 2: Now take the #1 name off the list that you see above, move the
> other names up (6 becomes 5, 5 becomes 4, etc.): and add YOUR name as
> number 6 on the list.
>
> STEP 3: Change anything you need to, but try to keep this article as
> close to the original as possible. Now, post your amended article to at
> least 200 newsgroups. (I think there are close to 24,000 groups) All
> you need is 200, but remember, the more you post, and the more money you
> make! This is perfectly legal! If you have any doubts, refer to Title 18
> Sec. 1302 & 1341 of the Postal lottery laws. Keep a copy of these steps
> for yourself and, whenever you need money, you can use it again, and
> again. PLEASE REMEMBER that this program remains successful because of
> the honesty and integrity of the participants and by their carefully
> adhering to the directions. Look at it this way. If you are of
> integrity, the program will continue and the money that so many others
> have received will come your way. NOTE: You may want to retain every
> name and address sent to you, either on a computer or hard copy and keep
> the notes people send you. This VERIFIES that you are truly providing a
> service. (Also, it might be a good idea to wrap the $1 bill in dark
> paper to reduce the risk of mail theft.) So, as each post is downloaded
> and the directions carefully followed, six members will be reimbursed
> for their participation as a List Developer with one dollar each. Your
> name will move up the list geometrically so that when your name reaches
> the #1 position you will be receiving thousands of dollars in CASH! What
> an opportunity for only $6.00 ($1.00 for each of the first six people
> listed above) Send it now, add your own name to the list and you're in
> business! ---DIRECTIONS ----- FOR HOW TO POST TONEWSGROUPS------------
>
> Step 1) You do not need to re-type this entire letter to do your own
> posting. Simply put your cursor at the beginning of this letter and
> drag your cursor to the bottom of this document, and select 'copy' from

> the edit menu. This will copy the entire letter into the computer's
> memory.
>
> Step 2) Open a blank 'notepad' file and place your cursor at the top of
> the blank page. From the 'edit' menu select ' paste '. This will paste
> a copy of the letter into notepad so that you can add your name to the
> list.
>
> Step 3) Save your new notepad file as a .txt file. If you want to do
> your postings in different settings, you'll always have this file to go
> back to. Step 4) Use Netscape or Internet explorer and try searching for
> various newsgroups (on-line forums, message boards, chat sites,
> discussions.) Step 5) Visit this message boards and post this article as
> a new message by highlighting the text of this letter and selecting
> paste from the edit menu. Fill in the Subject, this will be the header
> that everyone sees as they scroll through the list of postings in a
> particular group, click the post message button. You're done with your
> first one! Congratulations...THAT'S IT! All you have to do is jump to
> different newsgroups and post away, after you get the hang of it, and it
> will take about 30 seconds for each newsgroup!
>
> **REMEMBER, THE MORE NEWSGROUPS YOU POST IN, THE MORE MONEY YOU WILL
> MAKE! BUT YOU HAVE TO POST A MINIMUM OF 200**
>
> That's it! You will begin receiving money from around the world within
> days! You may eventually want to rent a P.O.Box due to the large amount
> of mail you will receive. If you wish to stay anonymous, you can invent
> a name to use, as long as the postman will deliver it.
>
> **JUST MAKE SURE ALL THE ADDRESSES ARE CORRECT.** Now the why part;
> assume for example you get a 7.5% return, which is very conservative.
>
> 1) When you mail out 200 letters, 15 people will send you $1.00
> 2) Those 15 mail out 200 letters, 225 people will send you $1.00
> 3) Those 225 mail out 200 letters, 3,375 people will send you $1.00
> 4) Those 3,375 mail out 200 letters, 50,625 people will send you $1.00
> 5) Those 3,375 mail out 200 letters, 759,375 people will send you $1.00
>
> By now your name has dropped off the list, but so far you have received
> at least $759,375.00! : With an original investment of only $6.00!
> AMAZING! When your name is no longer on the list, you just take the
> latest posting in the newsgroups, and send out another $6.00 to names on
> the list, putting your name at number 6 again. And start posting again.
> The thing to remember is do you realize that thousands of people all
> over the world are joining the Internet and reading these articles
> everyday? JUST LIKE YOU are now!! So, can you afford $6.00 and see if it
> really works? I think so. People have said, "what if the plan is played
> out and no one sends you the money? So what! What are the chances of
> that happening when there are tons of new honest users and new honest
> people who are joining the internet and newsgroups everyday and are
> willing to give it a try? Estimates are at 20,000 to 50,000 new users,
> every day, with thousands of those joining the actual Internet.
> Remember, play FAIRLY and HONESTLY and this will really work.

--
```
************************************************
* Bill Harris - Bill's Antique Radio Emporium     *
* http://www.flash.net/~billhar                   *
* to email, remove the x in the id of the address *
************************************************
```

From 1815946988144570678
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dca6f05419541330
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,dca6f05419541330
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,dca6f05419541330
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 107ada,dca6f05419541330
X-Google-Attributes: gid107ada,public
From: Clif <avvid@onramp.net>
Subject: Re: Yaesu FT-920: To mod or not to mod (please share your experiences)
Date: 1998/12/29
Message-ID: <36897C58.52F3@onramp.net>#1/1
X-Deja-AN: 426954683
Content-Transfer-Encoding: 7bit
References: <1xXh2.12020$Vg2.3304605@news3.mia>
<4D8i2.2936$tr6.824@news.rdc1.mi.home.com>
Content-Type: text/plain; charset=us-ascii
Organization: OnRamp, http://www.onramp.net/
Mime-Version: 1.0
Reply-To: avvid@onramp.net
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.ham-radio,rec.radio.amateur

Bill Crocker wrote:
>
> I guess you have to ask yourself, why do you want to do the mod, and
> will/can you use it once it's done, and if it works? And remember the old
> saying... "If it works, don't fix it!" The FT-920 is a super radio... you
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> >
> >Please, no flames.
> >
> >Thanks,
> >
> >Hugh

Correction to old saying. "If it ain't broke, DON'T fix it"
--
Clif Holland KA5IPF
Owner of AVVid, an Authorized Kenwood and Icom Service Center
Click on the following or call 1-800-214-5779
http://rampages.onramp.net/~avvid

From -9212450396247618299
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dca6f05419541330
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,dca6f05419541330
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 107ada,dca6f05419541330
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,dca6f05419541330
X-Google-Attributes: gidfa656,public
From: "Bill Crocker" <bcrocker@home.com>
Subject: Re: Yaesu FT-920: To mod or not to mod (please share your experiences)
Date: 1998/12/30
Message-ID: <4hfi2.4301$tr6.1210@news.rdc1.mi.home.com>#1/1
X-Deja-AN: 426958227
References: <1xXh2.12020$Vg2.3304605@news3.mia>
<4D8i2.2936$tr6.824@news.rdc1.mi.home.com> <36897C58.52F3@onramp.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
X-Complaints-To: abuse@home.net
X-Trace: news.rdc1.mi.home.com 914981056 24.2.71.213 (Tue, 29 Dec 1998 17:24:16
PDT)
Organization: @Home Network
NNTP-Posting-Date: Tue, 29 Dec 1998 17:24:16 PDT
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.ham-
radio,rec.radio.amateur

Oops... I knew it was something like that!   :)

Bill Crocker

Clif wrote in message <36897C58.52F3@onramp.net>...
>Bill Crocker wrote:
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>> Bill Crocker
>
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>--
>Clif Holland KA5IPF
>Owner of AVVid, an Authorized Kenwood and Icom Service Center
>Click on the following or call 1-800-214-5779
>http://rampages.onramp.net/~avvid

From -6374220277504818635
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5da36d3f9ffc46b7,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,5da36d3f9ffc46b7,start
X-Google-Attributes: gid1109af,public
From: "J. Daniel Bell, Jr." <kc4oxp@flash.net>
Subject: FS:MINT Icom IC-737
Date: 1998/09/19
Message-ID: <6u0o2m$35a$1@excalibur.flash.net>#1/1
X-Deja-AN: 392884317
Organization: Flashnet Communications, http://www.flash.net
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
Newsgroups: rec.ham-radio,rec.radio.swap

Excellent condition IC-737 $700.00 plus shipping.
Email if interested
73 Daniel KC4OXP
Winder, Ga

"I provide quality Internet access accounts for low cost, and I help people
start home
businesses on the Internet. If you know anyone who needs Internet
access, or who would like to have a business on the Internet, let me
know!" http://www.flash.net/~kc4oxp for more details!

```
From 6586276739441368633
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a273d918c7945d6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1146d3,4a273d918c7945d6,start
X-Google-Attributes: gid1146d3,public
X-Google-Thread: 1109af,4a273d918c7945d6,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,4a273d918c7945d6,start
X-Google-Attributes: gidf76e2,public
From: "J. Daniel Bell, Jr." <kc4oxp@flash.net>
Subject: WTB:IC-PS15 & PS-55
Date: 1998/09/19
Message-ID: <6u16cq$2cd$1@excalibur.flash.net>#1/1
X-Deja-AN: 392884318
Organization: Flashnet Communications, http://www.flash.net
X-Mimeole: Produced By Microsoft MimeOLE V4.72.3155.0
Newsgroups: fido7.hamradio,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap

Email best price shipped - also condition of both items.
73 Daniel KC4OXP
kc4oxp@flash.net
```

```
From -4685135935004319551
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6ac90d3da82225a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115af6,a6ac90d3da82225a
X-Google-Attributes: gid115af6,public
X-Google-Thread: 10c2ee,d7ee57bb8f089183
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fa656,a6ac90d3da82225a
X-Google-Attributes: gidfa656,public
X-Google-Thread: 116469,a6ac90d3da82225a
X-Google-Attributes: gid116469,public
X-Google-Thread: fddbf,a6ac90d3da82225a
X-Google-Attributes: gidfddbf,public
From: jdkelley@mindspring.com (Darwin)
Subject: Re: SOS SOS SOS!!!  WE NEED YOUR ASSISTANCE!!!!!
Date: 1998/09/20
Message-ID: <36045527.13148966@news.mindspring.com>#1/1
X-Deja-AN: 392869380
References: <905752789.685447@flux> <35FD5852.3DB0@bizbox.com>
```

<35FD8FBF.222F6439@cybertron.com> <35FF5D62.6C25@bizbox.com>
<35FFC32A.C7441B80@cybertron.com> <3600A4CA.6B8D@bizbox.com>
<3600eb63.7356020@news.clark.net> <36020058.52A2@bizbox.com>
<3602CBEA.B96F43B5@home.comx> <3602e369.839032@news.mindspring.com>
<36042F5F.7EF0@bizbox.com>
X-Server-Date: 20 Sep 1998 01:06:36 GMT
Organization: MindSpring Enterprises
Newsgroups: rec.antiques.radio+phono,rec.ham-radio,rec.ham-radio.packet,rec.radio,rec.radio.amateur,alt.atheism

>You needed someone to tell you this? God created Satan (in christian
>mythology) right? And he could destroy him as well right? But he
>chooses not to, right? Therefore, God is EVIL.

No you stupid bastard, I just didn't know there was a reference like that in the Bible. If you would've read the rest of my post, you would have realized that I am perfectly aware that God must've created evil.

Darwin

From 699148303460507554
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fc734,2996d5d71f5378d3,start
X-Google-Attributes: gidfc734,public
X-Google-Thread: 10c9e3,2996d5d71f5378d3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,2996d5d71f5378d3,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,2996d5d71f5378d3,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108122,2996d5d71f5378d3,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,2996d5d71f5378d3,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114a57,2996d5d71f5378d3,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: 108778,2996d5d71f5378d3,start
X-Google-Attributes: gid108778,public
From: "Bill Daub" <billtow@lebmofo.com>
Subject: Yaesu FT-101B Station
Date: 1998/09/21
Message-ID: <FClN1.103$Hi3.210704@news3.ispnews.com>#1/1
X-Deja-AN: 393190921
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Trace: news3.ispnews.com 906356261 205.146.135.87 (Mon, 21 Sep 1998 01:37:41 EDT)
Organization: ISPNews http://ispnews.com
NNTP-Posting-Date: Mon, 21 Sep 1998 01:37:41 EDT

Newsgroups: alt.ham-radio,alt.ham-radio.hf,alt.ham-radio.ssb,alt.radio.amateur,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap

I have the following equipment

FT-101B = about 20 hrs = 9++, mic and power cord
FL-2100B = Amp = 9+
FV-101B = VFO = 8.5
YC-601 = Freq. counter = 8.5
YO-100 = Scope = 9
FTV-650B = 6M = 9
FTV-250 = 2M = 9
YP-150Z = Dummy load/Watt meter = 9 (rare)
YD-844A = Desk Mic = 9+

If you are hunting a very nice near complete station here it is and this one won't be here long !

You would only need SP-101 Speaker or SP-101PB Phone patch and QTR-24 World clock to complete station http://www.qsl.net/nw2m/ as seen here.

I would like to sell as a complete set, but "might" consider splitting up
e-mail me at bfd@lebmofo.com

$ 1600.00 + shipping

From 3102862299698544400
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,a87d2caafc5eec18,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,a87d2caafc5eec18,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f951f,a87d2caafc5eec18,start
X-Google-Attributes: gidf951f,public
X-Google-Thread: 108122,a87d2caafc5eec18,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,a87d2caafc5eec18,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fb049,a87d2caafc5eec18,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1109af,a87d2caafc5eec18,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,a87d2caafc5eec18,start
X-Google-Attributes: gidf76e2,public
From: "Robin" <delauney@videotron.ca>
Subject: Need desesperatly Icom Icw2a service manual !!
Date: 1998/09/21

Message-ID: <rLzN1.949$2U2.952296@weber.videotron.net>#1/1
X-Deja-AN: 393426606
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
X-Complaints-To: abuse@videotron.net
X-Trace: weber.videotron.net 906414167 207.253.205.132 (Mon, 21 Sep 1998 17:42:47 EDT)
NNTP-Posting-Date: Mon, 21 Sep 1998 17:42:47 EDT
Newsgroups: alt.ham-radio.marketplace,alt.ham-radio.vhf-uhf,francom.radio_amateur,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap

Hi and thanks for rteading me

I need desesperatly a service manual for my Icom ICW2A

Not the instruction manual ...but really the service manual with diagram and board components

Copy will be enought

Thanks for any reply

73

va2nrj@amsat.org

From -7678733598555120197
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e0551c8689978556,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,e0551c8689978556,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc2a5,e0551c8689978556,start
X-Google-Attributes: gidfc2a5,public
From: n9vjg19-nospam@idt.net (Radioman)
Subject: Radio Shack catalog
Date: 1998/09/21
Message-ID: <n9vjg19-nospam-2109982101340001@ppp-47.ts-11.nyc.idt.net>#1/1
X-Deja-AN: 393483894
Organization: FBOM
Newsgroups: rec.ham-radio,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

http://n-lemma.com/FBOM/rscat/rscat.html

A quick and dirty review of Radio Shack's 1999 catalog. Also, check out
"How I almost got a free Radio Shack catalog" at

http://n-lemma.com/FBOM/shack/shack.html

...After that, get your RF Horoscope at

http://n-lemma.com/FBOM/horo/horo.html

----What a great way to spend a few minutes of your time away from the radios!

From 5603750155598178787
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5c5391a5b2c3dcc7,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,5c5391a5b2c3dcc7,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 1156cd,5c5391a5b2c3dcc7,start
X-Google-Attributes: gid1156cd,public
X-Google-Thread: f76e2,5c5391a5b2c3dcc7,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,5c5391a5b2c3dcc7,start
X-Google-Attributes: gid1109af,public
From: "J. Daniel Bell, Jr." <kc4oxp@flash.net>
Subject: TRADE LAPTOP FOR HF RIG
Date: 1998/09/21
Message-ID: <6u72kt$2o$1@excalibur.flash.net>#1/1
X-Deja-AN: 393502926
Organization: Flashnet Communications, http://www.flash.net
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
Newsgroups: alabama.birmingham.radio.amateur,atl.forsale,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap

Want to trade my laptop (description below) for a H.F. rig, of equal value and/or + Cash.

Laptop Description

3 Weeks Old
Compaq Presario Model 1625
All-In-One Design
Built-In Modem (56k)
24x Cd-Rom And Disk Drive
12.1" High Performance Addressing Display (HPA)
128-Bit Accelerated Graphics
3.5 Gig Hardrive
AMD-K6 266mhz MMX Enhanced Processor 88.80
42% FASTER than other mobile 266mhz MMX Processor 63.90

Carrying case included

Total Value 3 weeks ago $2400.00 + $180.00 3 year warranty

Will Include 3 year TRANSFERABLE BEST BUYS WARRANTY

What I am looking for - LATE MODEL HF RIG -
IC-756
IC-761
IC-781
IC-970

Other HF rigs will also be considered - Expecially Icom - Kenwood

Email what you have and let's see if we can come to a mutual agreement.

73 Daniel KC4OXP
kc4oxp@flash.net

```
From 855837865177360880
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c62fed59ac223db8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,c62fed59ac223db8,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fa656,c62fed59ac223db8,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114671,c62fed59ac223db8,start
X-Google-Attributes: gid114671,public
X-Google-Thread: f5845,c62fed59ac223db8,start
X-Google-Attributes: gidf5845,public
From: "Eamon Skelton" <die.all@spammers.org>
Subject: New Home Made Radio Page
Date: 1998/09/22
Message-ID: <6u972u$m5o10@kirk.tinet.ie>#1/1
X-Deja-AN: 393795683
Organization: Telecom Internet (http://www.tinet.ie/)
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Newsgroups: rec.radio.amateur,tnn.radio.amateur,uk.radio.amateur,rec.ham-
radio,aus.radio.amateur.misc
```

New Home Brew Radio Page

http://www.nettaxi.com/citizens/ei9gq

73 Ed. EI9GQ

ANTI SPAM RETURN ADDRESS
(real address below)

Eamon 'Ed' Skelton EI9GQ
Cork, Ireland.
ei9gq@nettaxi.com

http://www.nettaxi.com/citizens/ei9gq

From 6872099255464722439
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1113fe,bf2444cb68f09b30,start
X-Google-Attributes: gid1113fe,public
X-Google-Thread: 108228,bf2444cb68f09b30,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,bf2444cb68f09b30,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 12843e,bf2444cb68f09b30,start
X-Google-Attributes: gid12843e,public
X-Google-Thread: fb049,bf2444cb68f09b30,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 145bc5,bf2444cb68f09b30,start
X-Google-Attributes: gid145bc5,public
X-Google-Thread: f76e2,bf2444cb68f09b30,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 105955,bf2444cb68f09b30,start
X-Google-Attributes: gid105955,public
From: "Ivan - KL0ED" <kl0ed@gte.net>
Subject: TRADE TM-742 /w 220 for FT-736R
Date: 1998/09/26
Message-ID: <6ujvm7$cl0$1@news-2.news.gte.net>#1/1
X-Deja-AN: 395192134
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3026.0
Organization: gte.net
X-Auth: DD19DA13099784C34C908491
Newsgroups: alt.ham-radio.marketplace,alt.ham-radio.vhf-uhf,att.ham-radio,fido.ham-sale,fsu.freenet.hamradio.bulletins,fsu.freenet.hamradio.forum,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.swap,rec.radio.swap

Hello my name is Ivan - KL0ED. I would like to trade my NEW (purchased from AES on or about 8/15/98)Kenwood TM-742 with 220 and PL ENC/DEC option PLUS a Dimond 1.8-500MHz triplexer network FOR a Yeasu FT-736R base with accessories (if any) in good cond. WHY? I want a base. This is well over $1300 in NEW equipment. I have ALL the manuals scematics and cartons. If interested, drop me a line and we can talk business. You can e-mail me at: kl0ed@gte.net OR ivanbunny@aol.com Thank you and 73.

```
From 944814428657787538
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,afeae41112269a19,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,afeae41112269a19,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 107ada,afeae41112269a19,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa029,afeae41112269a19,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1031c8,afeae41112269a19,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1009ad,afeae41112269a19,start
X-Google-Attributes: gid1009ad,public
From: "Steve KB9HGI" <pacman@bcl.net>
Subject: KB9HGI'S HAM SHACK
Date: 1998/09/30
Message-ID: <3611ccc3.0@news.accessus.net>#1/1
X-Deja-AN: 396246757
X-Trace: 30 Sep 1998 01:16:35 -0600, 207.206.188.99
Newsgroups: alt.radio.scanner,rec.ham-
radio,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.cb,rec.radio.scanner
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
```

Come visit my Ham Shack web page. Something for everyone!
Ham Radio, Scanner Radio, CB Radio and more.........

http://www.qsl.net/kb9hgi/

```
From -2810918555660969232
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,f2221f073e787d6a,start
X-Google-Attributes: gid108228,public
X-Google-Thread: f557d,f2221f073e787d6a,start
X-Google-Attributes: gidf557d,public
X-Google-Thread: 10c9e3,f2221f073e787d6a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,f2221f073e787d6a,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,f2221f073e787d6a,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,f2221f073e787d6a,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,f2221f073e787d6a,start
```

X-Google-Attributes: gid1031c8,public
From: "Jeffrey L. Bowman, M.D., M.S." <jlbowman@netdirect.net (NoSpam)>
Subject: Autopatch/Repeater/TS-742 Combo, Amplifier
Date: 1998/09/30
Message-ID: <7RlQ1.1665$P4.5512159@news.netdirect.net>#1/1
X-Deja-AN: 396268652
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
X-Trace: news.netdirect.net 907143619 209.212.203.142 (Wed, 30 Sep 1998 03:20:19 EDT)
Organization: Net Direct, Inc.
NNTP-Posting-Date: Wed, 30 Sep 1998 03:20:19 EDT
Newsgroups: alt.ham-radio.marketplace,in.ham-radio,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap

Have specially modified Kenwood TS-742 that works in combination with a CSI Patch IV. This provides autopatch, repeater, remote controllable configuration. Have used this set-up for field day repeater, local repeater with a 150 watt FM UHF amplifier which is also for sale.

This is an excellent combo package for anyone looking for autopatch, economic repeater for private club or individual use.

Asking $1300 for everything and a few extras - customized cabling with N connectors, discriminator output switch, etc.

Will consider any reasonable offer or trade. Available to ship overnight!

jlbowman
AA9GP
jlbowman@netdirect.net

From -3848419032505053402
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,afeae41112269a19
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,afeae41112269a19
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 106d41,afeae41112269a19
X-Google-Attributes: gid106d41,public
X-Google-Thread: 107ada,afeae41112269a19
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1031c8,afeae41112269a19
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa029,afeae41112269a19
X-Google-Attributes: gidfa029,public
From: "kidbik" <kidbik@brainerd.net>
Subject: Re: Bearcat BCT-2
Date: 1998/09/30
Message-ID: <6utaes$civ$1@news3.mr.net>#1/1

X-Deja-AN: 396323933
References: <3611ccc3.0@news.accessus.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
Organization: [poster's organization not specified]
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.cb,rec.radio.scanner

I recently purchased a BCT-2, When monitoring a channel it always cuts out
(checking another channel I presume) can I change this??

Also the delete button on the front I assume is to remove unwanted channels!
By deleting these is there a way to restore them at a later date, i.e...
turn off then on??????

--
'97 F150 SC Style XLT 4X4 w/ORP, 4.6V8, Red/Gray, LEER Cap,
ALL POWER, CD, 3.55 w/posi, Captains Seats, Lund Avenger,
Chrome Westin's, Lane Dual Exhaust, Slider, Tow Pkg.

From -692213428832350117
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9363d98c80d9c372,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,9363d98c80d9c372,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,9363d98c80d9c372,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10ed5f,9363d98c80d9c372,start
X-Google-Attributes: gid10ed5f,public
From: NOSPAM@NOSPAM.COM (Spam Killer)
Subject: help with ICOM IC-02AT
Date: 1998/10/01
Message-ID: <YBBQ1.148$vx5.266820@news3.ispnews.com>#1/1
X-Deja-AN: 396547986
Content-Type: Text/Plain; charset=US-ASCII
X-Trace: news3.ispnews.com 907208184 209.144.25.54 (Wed, 30 Sep 1998 22:16:24 EDT)
Organization: DEATH TO SPAMMERS
MIME-Version: 1.0
NNTP-Posting-Date: Wed, 30 Sep 1998 22:16:24 EDT
Newsgroups: alt.ham-radio,rec.ham-radio.swap,rec.ham-radio,alt.ham-radio.vhf-uhf

I was recently given an ICOM IC-02AT transceiver and it has some problems. The first was easy to fix - a bad battery pack (luckily it came with one that had replaceable AAs). But the second is more baffling. It seems like the volume switch doesn't work - it turns on and I can get low volume but once I turn it more than ~1/6 I lose all volume. Any help ? How can I fix it ? is it worth fixing ?

Also can someone tell me how old this unit is ? and how much it would be worth
 ? IF I were to sell it or trade it in ?

Thanks for any help you can provide,
Mike McLeod
KC5KXM

From -8251936813637254078
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9363d98c80d9c372
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,9363d98c80d9c372
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10ed5f,9363d98c80d9c372
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,9363d98c80d9c372
X-Google-Attributes: gidfb049,public
From: "Freeland" <Freeland@chickasaw.com>
Subject: Re: help with ICOM IC-02AT
Date: 1998/10/01
Message-ID: <IGKQ1.33$Nq.87199@news.goodnet.com>#1/1
X-Deja-AN: 396673972
References: <YBBQ1.148$vx5.266820@news3.ispnews.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Trace: news.goodnet.com 907245352 209.140.22.72 (Thu, 01 Oct 1998 05:35:52 MDT)
Organization: writer
Reply-To: "Freeland" <Freelandx@chickasaw.com>
NNTP-Posting-Date: Thu, 01 Oct 1998 05:35:52 MDT
Newsgroups: alt.ham-radio,rec.ham-radio.swap,rec.ham-radio,alt.ham-radio.vhf-uhf

Hello, depending on where the
volume switch is, it may be
overloading a base circuit, in
which case the transitor or
one of its associated
components is not functioning.

Spam Killer wrote in message
...
>I was recently given an ICOM
IC-02AT transceiver and it has
some problems. The
>first was easy to fix - a bad
battery pack (luckily it came
with one that had
>replaceable AAs). But the
second is more baffling. It
seems like the volume
>switch doesn't work - it

```
turns on and I can get low
volume but once I turn it
>more than ~1/6 I lose all
volume.  Any help ?  How can I
fix it ?  is it worth
>fixing ?
>
>Also can someone tell me how
old this unit is ?  and how
much it would be worth
> ? IF I were to sell it or
trade it in ?
>
>Thanks for any help you can
provide,
>Mike McLeod
>KC5KXM
>
```

```
From 1989381992884305354
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3dcc11c9f3c89ae4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,3dcc11c9f3c89ae4,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,3dcc11c9f3c89ae4,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,3dcc11c9f3c89ae4,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: 1109af,3dcc11c9f3c89ae4,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fcc6e,3dcc11c9f3c89ae4,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fc8b1,3dcc11c9f3c89ae4,start
X-Google-Attributes: gidfc8b1,public
From: "Robert Bacharach" <bobbach@cetlink.net>
Subject: ROCK HILL, SC HAMFEST  SATURDAY OCT 3, 1998  KNIGHTS STADIUM
Date: 1998/10/01
Message-ID: <cFLQ1.1046$O7.1393566@news.cetlink.net>#1/1
X-Deja-AN: 396692399
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
X-Trace: news.cetlink.net 907249352 209.198.4.225 (Thu, 01 Oct 1998 09:42:32 EDT)
NNTP-Posting-Date: Thu, 01 Oct 1998 09:42:32 EDT
Newsgroups: rec.ham-
radio,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.dx
,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.swap

H A M F E S T     H A M F E S T   H A M F E S T
```

WELCOME ALL TO YCARS HAMFEST OCTOBER 3, 1998

Knights Stadium, Fort Mill, South Carolina
Take I-77 to Exit 88, the Baseball Exit

Doors open at 6:00 a.m.   Tickets $6.00 at the door.

Flea Market, Equipment Vendors, VE Testing, Food & Fun!

VE TESTING REGISTRATION BEGINS AT 9:30 A.M.

Talk-in on 147.03 (down 600)

Email: Pete Krenn for further info: pete@cetlink.net

See you there! Bob Bacharach WA2EMF

From -766293692638214256
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,3e2f3ff926d977d5,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,3e2f3ff926d977d5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,3e2f3ff926d977d5,start
X-Google-Attributes: gidf76e2,public
From: Roger Andrews <randrews@predatorsystems.com>
Subject: looking for Icom 02AT or H16 Main Board
Date: 1998/10/02
Message-ID: <36154715.8BE1D488@predatorsystems.com>#1/1
X-Deja-AN: 397174001
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Organization: Predator Systems International
MIME-Version: 1.0
NNTP-Posting-Date: Fri, 02 Oct 1998 14:36:46 PDT
Newsgroups: rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.marketplace

I need the Main Board for an Icom 02AT or an Icom H16. (I've been told it's the same board).

Thanks

--
Roger
mailto://roger@predatorsystems.com

From 4628129294060206425
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10aaeb,52560f4830dec63f,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 10c9e3,52560f4830dec63f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107045,52560f4830dec63f,start
X-Google-Attributes: gid107045,public
X-Google-Thread: 101046,52560f4830dec63f,start
X-Google-Attributes: gid101046,public
X-Google-Thread: fa656,52560f4830dec63f,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 105207,52560f4830dec63f,start
X-Google-Attributes: gid105207,public
From: Jeff <jeffj@scott.net>
Subject: Re: AC electrical possibilities
Date: 1998/10/06
Message-ID: <PNR110581908u@scott.net>#1/1
X-Deja-AN: 398159156
References: <MPG.10835e4d33b471ac989680@news.bhm.bellsouth.net>
X-Complaints-To: Abuse Role <abuse@scott.net>, We Care <abuse@newsread.com>
X-Trace: newsread.com 907650030 208.15.221.44 (Tue, 06 Oct 1998 01:00:30 EDT)
Organization: Scott Network Services (scott.net)
Reply-To: jeffj@scott.net
NNTP-Posting-Date: Tue, 06 Oct 1998 01:00:30 EDT
Newsgroups:
alabama.birmingham.radio.amateur,alt.pirate.radio,alt.radio,alt.radio.pirate,rec.ham-radio,rec.radio.amateur

In message <MPG.10835e4d33b471ac989680@news.bhm.bellsouth.net>,
zor@atl.bellsouth.net said:
> Is it possible to inject a signal into the 60 Hz sine wave
> and make use of it?

I don't know about video but I have a intercom system here at my house that plugs into an electrical outlet and uses the home's wiring to transmit audio. I seems to me that home wiring would be too 'noisy' to use for video, but that's just my thought, not the gospel. Good luck!

73 Jeff

```
    =-=-=-=-=-=-=-=-=-=-=-=-=-= Jeff Johns KF4KGQ =-=-=-=-=-=-=-=-=-=-=-=-=-=
    |jeffj@scott.net kf4kgq@amsat.org |     Reserve Patrol Captain      |
    |    Satellite: MIR (R0MIR-1)     | Jefferson County Sheriff's Dept |
    | HP200LX+BayPac=Portable Packet  |     QTH Birmingham, AL USA      |
    =-=-=-=-=-=- Packet AX.25 KF4KGQ@wd4epr.#bhm.al.usa.noam -=-=-=-=-=-=
From -8090710673802162426
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,52560f4830dec63f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,52560f4830dec63f
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 107045,52560f4830dec63f
X-Google-Attributes: gid107045,public
X-Google-Thread: 101046,52560f4830dec63f
X-Google-Attributes: gid101046,public
X-Google-Thread: 105207,52560f4830dec63f
X-Google-Attributes: gid105207,public
X-Google-Thread: fa656,52560f4830dec63f
X-Google-Attributes: gidfa656,public
From: "Old Biker" <enfieldbullet@yahoo.com>
Subject: Re: AC electrical possibilities
Date: 1998/10/06
Message-ID: <01bdf129$cd444b00$084a1504@enfield05.3n.net>#1/1
X-Deja-AN: 398250484
References: <MPG.10835e4d33b471ac989680@news.bhm.bellsouth.net>
X-Trace: newsfeed.slurp.net 907679106 4.21.74.8 (Tue, 06 Oct 1998 08:05:06 CDT)
NNTP-Posting-Date: Tue, 06 Oct 1998 08:05:06 CDT
Newsgroups:
alabama.birmingham.radio.amateur,alt.pirate.radio,alt.radio,alt.radio.pirate,rec.h
am-radio,rec.radio.amateur
```

Anthony Cosgrove <zor@atl.bellsouth.net> wrote in article
<MPG.10835e4d33b471ac989680@news.bhm.bellsouth.net>...

> a friend .. he told me some guy made a telephone conferencing device
that utilized the AC house
> wiring.

It's simply a matter of "multiplexing": using high-pass filters to keep
the 60 Hz AC and first few harmonics (noise) out of the higher-frequency
voice circuits.   73s
KA3DWW

```
From 5176801020600950304
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,5d4417b4c2bfaa7c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,5d4417b4c2bfaa7c,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc2a5,5d4417b4c2bfaa7c,start
X-Google-Attributes: gidfc2a5,public
From: WebMonkey <address@below.com>
Subject: Virtual Reality hamshack
Date: 1998/10/06
Message-ID: <361AD3BA.1A6A@below.com>#1/1
```

X-Deja-AN: 398492413
X-NNTP-Posting-Host: access-4-42.rollanet.org
Content-Transfer-Encoding: 8bit
Content-Type: text/plain; charset=iso-8859-1
Organization: RollaNet
MIME-Version: 1.0
XPident: dnews
Newsgroups: rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

my first attempt at a VR movie for the web is online at the link below.
it's a view of my hamshack.

just click the nav button marked my shack on the homepage.
it's 350k m/l so let it load before getting bored ;-)
usually takes 2 minutes to load completely

thanks for your time/feedback
--
A.C. Curtis
KB�WLF

mailto:demoman@rollanet.org
http://www.rollanet.org/~demoman

From -2045215068165311066
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1b12bfcbf9555840,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,1b12bfcbf9555840,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,1b12bfcbf9555840,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1109af,1b12bfcbf9555840,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 16349a,1b12bfcbf9555840,start
X-Google-Attributes: gid16349a,public
From: Mike Schuckert <mikes@newulmtel.net>
Subject: For Sale YAESU 990
Date: 1998/10/06
Message-ID: <361AD2E9.B09@newulmtel.net>#1/1
X-Deja-AN: 398492416
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Organization: Schuckert TV Repair & Auto Sales
Mime-Version: 1.0
Reply-To: mikes@newulmtel.net
Newsgroups:
rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.hamradio.swap,rec.radio.swa
p,rec.ham-radio

RADIO IS PERFECT WORKING CONDITION. NO FACE WEAR LOOKS LIKE NEW. Price

is $1250.00
mikes@newulmtel.net

From -1671084439468469443
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9363d98c80d9c372
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,9363d98c80d9c372
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,9363d98c80d9c372
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10ed5f,9363d98c80d9c372
X-Google-Attributes: gid10ed5f,public
From: DArnold <DArnold@datasync.com>
Subject: Re: help with ICOM IC-02AT
Date: 1998/10/08
Message-ID: <361D5B86.6A52CDA2@datasync.com>#1/1
X-Deja-AN: 399191477
Content-Transfer-Encoding: 7bit
References: <YBBQ1.148$vx5.266820@news3.ispnews.com>
To: Spam Killer <NOSPAM@NOSPAM.COM>
Content-Type: text/plain; charset=us-ascii
Organization: AMC Internet
Mime-Version: 1.0
Newsgroups: alt.ham-radio,rec.ham-radio.swap,rec.ham-radio,alt.ham-radio.vhf-uhf

The radio is at least 10 years old
We used them for field ex when i was attached to seabees
in 88/89 and the mars station i think had them for a couple years before
that I THINK
if your tecnically inclined open it up an clean the swich/pot with a
electronic cleaning soution and check the wiring of the swx
don
kb5fhx

Spam Killer wrote:
>
> I was recently given an ICOM IC-02AT transceiver and it has some problems. The
> first was easy to fix - a bad battery pack (luckily it came with one that had
> replaceable AAs). But the second is more baffling. It seems like the volume
> switch doesn't work - it turns on and I can get low volume but once I turn it
> more than ~1/6 I lose all volume. Any help ? How can I fix it ? is it worth
> fixing ?
>
> Also can someone tell me how old this unit is ? and how much it would be worth
> ? IF I were to sell it or trade it in ?
>
> Thanks for any help you can provide,
> Mike McLeod

> KC5KXM

--

WEB PAGE UPDATED 05 SEP 98 DARLA (dawn) ICQ# 7341931
http://www.geocities.com/Heartland/Valley/6430 personal page

other pages we are involved in Don (weathernut) ICQ# 14664294
http://hattiesburg.net/columns/index.shtml My BI-Weekly column
http://www.qsl.net/kb5zvw Navy mars MS area page

From 593983477020641455
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cb3a889c0209ddb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9356,cb3a889c0209ddb,start
X-Google-Attributes: gidf9356,public
X-Google-Thread: fc2a5,cb3a889c0209ddb,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,cb3a889c0209ddb,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 105955,cb3a889c0209ddb,start
X-Google-Attributes: gid105955,public
From: "Tate Jackson" <tate@smart.net>
Subject: Ramsey 220 Fm Kit
Date: 1998/10/08
Message-ID: <6vju73$gjo$1@news.smart.net>#1/1
X-Deja-AN: 399221731
Organization: Smartnet Internet Services [via news]
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Newsgroups: att.ham-radio,dc.ham-radio,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.homebrew

A few years ago, I saw an add in a ham radio magazine about a controller for the Ramsey FT transceiver kits. This controller gave full tuning of the entire band, 20 plus memory channels, encode and decode, etc.. I believe the name of the company that manufactures it is something like MicroTek.

Can anyone confirm the name of the company and supply a phone number or address?

Thanks

Tate, N3BXZ

From -6406696054175513188

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9363d98c80d9c372
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,9363d98c80d9c372
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f76e2,9363d98c80d9c372
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fb049,9363d98c80d9c372
X-Google-Attributes: gidfb049,public
From: "David Dees" <ratchet@datasync.com>
Subject: Re: help with ICOM IC-02AT
Date: 1998/10/08
Message-ID: <6vk1nb$ua2$1@news.ametro.net>#1/1
X-Deja-AN: 399237043
References: <YBBQ1.148$vx5.266820@news3.ispnews.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Organization: AMC Internet
Newsgroups: alt.ham-radio,rec.ham-radio.swap,rec.ham-radio,alt.ham-radio.vhf-uhf

prob 1980-1982 nice rig  thumbwheel freq? find a friend to fix or e me ill
offer.. ratchet@datasync.com
Spam Killer wrote in message ...
>I was recently given an ICOM IC-02AT transceiver and it has some problems.
The
>first was easy to fix - a bad battery pack (luckily it came with one that
had
>replaceable AAs).  But the second is more baffling.  It seems like the
volume
>switch doesn't work - it turns on and I can get low volume but once I turn
it
>more than ~1/6 I lose all volume.  Any help ?  How can I fix it ?  is it
worth
>fixing ?
>
>Also can someone tell me how old this unit is ?  and how much it would be
worth
> ? IF I were to sell it or trade it in ?
>
>Thanks for any help you can provide,
>Mike McLeod
>KC5KXM
>
```

```
From 2621276644436979992
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9363d98c80d9c372
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,9363d98c80d9c372
X-Google-Attributes: gidfb049,public
```

X-Google-Thread: f76e2,9363d98c80d9c372
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10ed5f,9363d98c80d9c372
X-Google-Attributes: gid10ed5f,public
From: mts@plix.com
Subject: Re: help with ICOM IC-02AT
Date: 1998/10/10
Message-ID: <6vnuqv$cv3$1@nnrp1.dejanews.com>#1/1
X-Deja-AN: 399684405
References: <YBBQ1.148$vx5.266820@news3.ispnews.com>
X-Http-Proxy: 1.0 x13.dejanews.com:80 (Squid/1.1.22) for client 206.96.80.225
Organization: Deja News - The Leader in Internet Discussion
X-Article-Creation-Date: Sat Oct 10 15:34:55 1998 GMT
Newsgroups: alt.ham-radio,rec.ham-radio.swap,rec.ham-radio,alt.ham-radio.vhf-uhf
X-Http-User-Agent: Mozilla/4.04 [en] (Win95; I)

In article <YBBQ1.148$vx5.266820@news3.ispnews.com>,
  NOSPAM@NOSPAM.COM (Spam Killer) wrote:
> I was recently given an ICOM IC-02AT transceiver and it has some problems.
The
> first was easy to fix - a bad battery pack (luckily it came with one that had
> replaceable AAs). But the second is more baffling. It seems like the volume
> switch doesn't work - it turns on and I can get low volume but once I turn it
> more than ~1/6 I lose all volume. Any help ? How can I fix it ? is it worth
> fixing ?
>
> Also can someone tell me how old this unit is ? and how much it would be
worth
> ? IF I were to sell it or trade it in ?
>
> Thanks for any help you can provide,
> Mike McLeod
> KC5KXM
>
> The problem is the volume control itself, it's dirty and cleaning wont last.
Control costs about $7 from ICOM.

The 02AT came out around 1982 and ran until around 1990, they made over
200,000 of them if I remember right. It has built in PL, but limited
frequency range, so it's value is only about $100 in good condition with a
manual, less for less.

Scott Malcom
M T S

-----------== Posted via Deja News, The Discussion Network ==----------
http://www.dejanews.com/   Search, Read, Discuss, or Start Your Own

---

From -5917979634145011916
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9edeb3e788b7a060,start

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9edeb3e788b7a060,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10f9e8,9edeb3e788b7a060,start
X-Google-Attributes: gid10f9e8,public
X-Google-Thread: 1109af,9edeb3e788b7a060,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 106d41,9edeb3e788b7a060,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: fddbf,9edeb3e788b7a060,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,9edeb3e788b7a060,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa029,9edeb3e788b7a060,start
X-Google-Attributes: gidfa029,public
From: Joe Sammartino <sammartinoj@usa.net>
Subject: Auction - Fair Lawn, NJ -Fair Lawn Amateur Radio Club - November 27th
Date: 1998/10/10
Message-ID: <361FCB3D.6ADC7819@usa.net>#1/1
X-Deja-AN: 399769740
Content-Type: multipart/alternative;
boundary="------------02D67D85C17FF0900F2534D0"
Organization: GenRad, Inc.
Mime-Version: 1.0
Newsgroups: rec.radio.cb,rec.ham-radio,rec.ham-radio.swap,rec.ham-radio.packet,rec.radio.scanner,rec.radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.hombrew,rec.radio.amateur.misc

--------------02D67D85C17FF0900F2534D0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Auction - Fair Lawn, NJ - Fair Lawn Amateur Radio Club - November 27th

On the evening of November 27th, The Fair Lawn Amateur Radio Club will host it's Annual Auction.

It will be held at the Fair Lawn Cultural Center, located at 12-56 River Road, Fair Lawn, NJ 07412.

Ham Radio, CBs, Computers, Electronics, etc.

Those interested in auctioning their merchandise should arrive at 6 PM.

The auction will begin at 8 PM. For info call Joe, 201-365-5809. You may Email with any questions at sammartinoj @ usa.net.

Directions: (or call for more detail)

Route 208 To Fair Lawn Avenue (west)
Fair Lawn Avenue to River Road, left turn About 2-3 blocks, FLARC will be on right side.

```
--------------02D67D85C17FF0900F2534D0
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<HTML>
<B>Auction - Fair Lawn, NJ - Fair Lawn Amateur Radio Club - November 27th</B>

<P>On the evening of November 27th, The Fair Lawn Amateur Radio Club will
<BR>host it's Annual Auction.

<P>It will be held at the Fair Lawn Cultural Center, located at 12-56
<BR>River Road, Fair Lawn, NJ 07412.

<P>Ham Radio, CBs, Computers, Electronics, etc.

<P>Those interested in auctioning their merchandise should arrive at 6
PM.
<BR>&nbsp;
<BR>The auction will begin at 8 PM.&nbsp; For info call Joe, 201-365-5809.&nbsp;
You
<BR>may Email with any questions at sammartinoj @ usa.net.

<P>Directions:&nbsp; (or call for more detail)

<P>Route 208 To Fair Lawn Avenue (west)
<BR>Fair Lawn Avenue to River Road, left turn About 2-3 blocks, FLARC will
<BR>be on right side.</HTML>

--------------02D67D85C17FF0900F2534D0--




From -5552438954582767403
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c752e4588876c09d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,c752e4588876c09d,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,c752e4588876c09d,start
X-Google-Attributes: gidf76e2,public
From: *varmint*@peapod.com (Fisher Huntsmann)
Subject: FS- Alinco DJ - S11  2m.  HT  (anib) ends 10/12 @ 2:46 pm EST
Date: 1998/10/11
Message-ID: <*varmint*-1110982109000001@tc1ppp39.ascinet.com>#1/1
X-Deja-AN: 400083043
X-Trace: newsfeed.slurp.net 908154447 206.153.26.167 (Sun, 11 Oct 1998 20:07:27
CDT)
Organization: PRO-FAB  Innovative Products
NNTP-Posting-Date: Sun, 11 Oct 1998 20:07:27 CDT
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.swap
```

Can be seen on eBay at:
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=34086663

```
"....and he wore a hat,
    and he had a job,                                 Fisher Huntsmann
    and he brought home                     *varmint*@peapod.com
    the bacon, so that...
     ....no one knew."                               anti-spam  " * "  added
          =DEVO=
```

```
From 6345708415858372908
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9ace53911a97c82,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,9ace53911a97c82,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 107045,9ace53911a97c82,start
X-Google-Attributes: gid107045,public
X-Google-Thread: fa656,9ace53911a97c82,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 105207,9ace53911a97c82,start
X-Google-Attributes: gid105207,public
X-Google-Thread: 101046,9ace53911a97c82,start
X-Google-Attributes: gid101046,public
From: John Lundgren <NOlundgrejSPAM@mail.rancho.cc.ca.us>
Subject: Re: AC electrical possibilities
Date: 1998/10/13
Message-ID: <3623FB46.428F@mail.rancho.cc.ca.us>#1/1
X-Deja-AN: 400818852
Content-Transfer-Encoding: 7bit
References: <MPG.10835e4d33b471ac989680@news.bhm.bellsouth.net>
<700sid$5k9$1@news.sas.ab.ca>
Content-Type: text/plain; charset=us-ascii
Organization: Rancho Santiago College
Mime-Version: 1.0
Reply-To: NOlundgrejSPAM@mail.rancho.cc.ca.us
Newsgroups:
alabama.birmingham.radio.amateur,alt.pirate.radio,alt.radio,alt.radio.pirate,rec.h
am-radio,rec.radio.amateur
```

chas@freenet.edmonton.ab.ca wrote:
[snip]

> Many years ago I sent morse code over the 60 Hz power system.
> I connected the 8 ohm output of an audio amplifier (3 watts) yhrough
> a two micropfarad capacitor to the line. At the amplifier input I had a
> keyed audio oscillator. [..]

We do tht here on campus every hour. We have a big motor-generator set where the main power transformer and switchgear is. It revs up a few minutes before the hour, and then injects a high pitched signal into the

AC which propagates all over our campus 4KV system and thru the power transformers. This sets the Simplex time clocks to the correct time. After the injection, it takes more than ten minutes for the M-G to rev down and stop. Whew! That must be real roller bearings!

```
>           Charlie
> --
>                                       email: chas@freenet.edmonton.ab.ca
```

--
Please remove NO and SPAM from my email addr to reply.
--

```
@@@@@@@@@@T@h@e@@I@n@t@e@r@n@e@t@@w@a@s@@c@o@o@l@@u@n@t@i@l@@@@@@@@
@ John Lundgren Elec. Tech, Info. Tech. Svcs.| lundgrej <AT> mail @
@ Rancho Santiago Community College District | .rancho.cc.ca.us   @
@ 17th St. at Bristol \ Santa Ana, CA 92706  |www.rancho.cc.ca.us @
@  My opinions are mine, NOT my employer's.  |PGP key avail on req@
@    "Everything is InterTwingled" - Ted Nelson in ComputerLib    @
@@@@@@@@@e@v@e@r@y@o@n@e@@f@o@u@n@d@@o@u@t@@a@b@o@u@t@@i@t@@@@@@@@@
    Read what the FTC has to say about Junk Email at URL
    http://www.ftc.gov/bcp/conline/pubs/online/inbox.htm
```

From -6246661705263089133
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9ace53911a97c82
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,9ace53911a97c82
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 105207,9ace53911a97c82
X-Google-Attributes: gid105207,public
X-Google-Thread: fa656,9ace53911a97c82
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107045,9ace53911a97c82
X-Google-Attributes: gid107045,public
X-Google-Thread: 101046,9ace53911a97c82
X-Google-Attributes: gid101046,public
From: chas@freenet.edmonton.ab.ca ()
Subject: Re: AC electrical possibilities
Date: 1998/10/14
Message-ID: <700sid$5k9$1@news.sas.ab.ca>#1/1
X-Deja-AN: 400814368
References: <MPG.10835e4d33b471ac989680@news.bhm.bellsouth.net>
Followup-To:
alabama.birmingham.radio.amateur,alt.pirate.radio,alt.radio,alt.radio.pirate,rec.ham-radio,rec.radio.amateur
X-Complaints-To: news@sas.ab.ca
X-Trace: news.sas.ab.ca 908326285 5769 198.161.206.7 (14 Oct 1998 00:51:25 GMT)
Organization: Edmonton FreeNet, Edmonton, Alberta, Canada
NNTP-Posting-Date: 14 Oct 1998 00:51:25 GMT
Newsgroups:
alabama.birmingham.radio.amateur,alt.pirate.radio,alt.radio,alt.radio.pirate,rec.h

am-radio,rec.radio.amateur

Anthony Cosgrove (zor@atl.bellsouth.net) wrote:
: I was speaking with a friend a couple of days ago and he told me that
: some guy made a telephone conferencing device that utilized the AC house
: wiring. I don't know exactly what it did... it may be using what I'm
: about to ask. Is it possible to inject a signal into the 60 Hz sine wave
: and make use of it?

: TIA
: Anthony
: KE4GBA
Many years ago I sent morse code over the 60 Hz power system.
I connected the 8 ohm output of an audio amplifier (3 watts) yhrough
a two micropfarad capacitor to the line. At the amplifier input I had a
keyed audio oscillator.

I knew a radio ham several houses away and was able to hear this
signal there with just 2000 ohm earphones connected to the line
through a very small capacitor.

The latest Radio Shack catalog has something that sends signals
over the power line. It is used to remotely turn on or off a lamp
or appliance. Sender is $19.99. Receiver is $27.99.

Charlie
--
email: chas@freenet.edmonton.ab.ca

From 1404659209891826963
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9ace53911a97c82
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,9ace53911a97c82
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 107045,9ace53911a97c82
X-Google-Attributes: gid107045,public
X-Google-Thread: 105207,9ace53911a97c82
X-Google-Attributes: gid105207,public
X-Google-Thread: fa656,9ace53911a97c82
X-Google-Attributes: gidfa656,public
X-Google-Thread: 101046,9ace53911a97c82
X-Google-Attributes: gid101046,public
From: ass <a@a.a>
Subject: Re: AC electrical possibilities
Date: 1998/10/14
Message-ID: <362432F9.C8260994@a.a>#1/1
X-Deja-AN: 400876364
Content-Transfer-Encoding: 7bit
References: <MPG.10835e4d33b471ac989680@news.bhm.bellsouth.net>

```
<700sid$5k9$1@news.sas.ab.ca>
Content-Type: text/plain; charset=us-ascii
Organization: little to none
Mime-Version: 1.0
Newsgroups:
alabama.birmingham.radio.amateur,alt.pirate.radio,alt.radio,alt.radio.pirate,rec.h
am-radio,rec.radio.amateur
```

Carrier current transmission is what its called. It is fairly commonplace. Modulation can be most anything you can send though the air. Electronics hobby mags have had many a circuit to do this. You could for example "transmit" on the power lines and any radio plugged in (or placed near enough) can recieve it.

```
From -753104750101635767
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,afeae41112269a19
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,afeae41112269a19
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa029,afeae41112269a19
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1009ad,afeae41112269a19
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 106d41,afeae41112269a19
X-Google-Attributes: gid106d41,public
X-Google-Thread: 1031c8,afeae41112269a19
X-Google-Attributes: gid1031c8,public
From: wrh@cbemg.cb.lucent.com (-)
Subject: Re: Bearcat BCT-2
Date: 1998/10/14
Message-ID: <70289d$t0l@nntpa.cb.lucent.com>#1/1
X-Deja-AN: 400971676
References: <3611ccc3.0@news.accessus.net> <6utaes$civ$1@news3.mr.net>
Organization: AT&T
Newsgroups: alt.radio.scanner,rec.ham-
radio,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.cb,rec.radio.scanner
```

In article <6utaes$civ$1@news3.mr.net>, kidbik <kidbik@brainerd.net> wrote:

```
>I recently purchased a BCT-2, When monitoring a channel it always cuts out
>(checking another channel I presume) can I change this??
>
>Also the delete button on the front I assume is to remove unwanted channels!
>By deleting these is there a way to restore them at a later date, i.e...
>turn off then on??????
>
>
>
```

>--
>'97 F150 SC Style XLT 4X4 w/ORP, 4.6V8, Red/Gray, LEER Cap,
>ALL POWER, CD, 3.55 w/posi, Captains Seats, Lund Avenger,
>Chrome Westin's, Lane Dual Exhaust, Slider, Tow Pkg.
>
>

sounds like it's checking the priority channel (every 2 seconds or so)
i think you'd have to use "hold" on the channel you want to override
the priority checking (i think)

i think if you hold the "lockout" (delete?) button down for
2 (or is it 5 seconds) you will hear a "beep beep". this is
the procedure to release all locked out channels.

if this don't work - maybe find a operator's manual . . .

todd k.

From -3074935261682149341
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32b75b30a5ba215d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,32b75b30a5ba215d,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10bf43,32b75b30a5ba215d,start
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,32b75b30a5ba215d,start
X-Google-Attributes: gid107ada,public
From: "Daniel Hicks, Jr." <w8mmq@juno.com>
Subject: ART BELL QUITS RADIO
Date: 1998/10/14
Message-ID: <703cds$h3v@news.voyager.net>#1/1
X-Deja-AN: 401167299
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Complaints-To: abuse@voyager.net
X-Trace: reader0.news.voyager.net 908408060 17535 (None) 209.153.174.78
Organization: Voyager Information Networks - East Lansing, MI
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.policy

October 14, 1998

Radio talk-show host Art Bell has announced that he is leaving his show,
"Coast to Coast", and quitting radio broadcasting altogether.

For the complete story, visit http://members.xoom.com/w8mmq/101498.html.
You will also find the text of Art Bell's announcement.

Art is a licensed amateur radio operator, with the callsign of W6OBB.

73
Dan/W8MMQ
w8mmq@juno.com

From 3049721655230168974
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32b75b30a5ba215d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,32b75b30a5ba215d
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,32b75b30a5ba215d
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,32b75b30a5ba215d
X-Google-Attributes: gidfa656,public
From: "DavidC" <davidc@bit-net.com>
Subject: Re: ART BELL QUITS RADIO
Date: 1998/10/15
Message-ID: <01bdf7e3$61b91bc0$ee8492d0@davidc.bit-net.com>#1/1
X-Deja-AN: 401207016
References: <703cds$h3v@news.voyager.net>
Organization: BIT-NET
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.policy

Three guesses:

1. A publicity stunt.
2. Isn't he the guy with all of the UFO talk? Hmmm, perhaps he discovered they aren't real?
3. Has he been kidnapped by aliens and replaced by one who scuttled his show to cover up? :-)

A year after the supposed event he now decides to leave ... does the name Ross Perot come to mind?

Someone correct me on any mis-statement of the facts here, please! :-)

Seriously, something just doesn't sound right here ... anyone get the same feeling?

73, DavidC AA1FA

> October 14, 1998
> Radio talk-show host Art Bell has announced that he is leaving his show,

```
> "Coast to Coast", and quitting radio broadcasting altogether.
> For the complete story, visit http://members.xoom.com/w8mmq/101498.html.
> You will also find the text of Art Bell's announcement.
> Art is a licensed amateur radio operator, with the callsign of W6OBB.
> 73  Dan/W8MMQ



From 6275771979230768700
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32b75b30a5ba215d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,32b75b30a5ba215d
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10bf43,32b75b30a5ba215d
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,32b75b30a5ba215d
X-Google-Attributes: gid107ada,public
From: T E I X E I R A <teixeira@ccnet.com>
Subject: Re: ART BELL QUITS RADIO
Date: 1998/10/15
Message-ID: <36261241.53F5@ccnet.com>#1/1
X-Deja-AN: 401382037
Content-Transfer-Encoding: 7bit
References: <703cds$h3v@news.voyager.net>
Content-Type: text/plain; charset=us-ascii
Organization: T A O
Mime-Version: 1.0
Reply-To: teixeira@ccnet.com
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.policy

He can also be found on 80 meters.....

Don, W6IQ



>
> Art is a licensed amateur radio operator, with the callsign of W6OBB.
>
> 73
> Dan/W8MMQ
> w8mmq@juno.com




From -3707160609629189250
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88357c53717769d8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,88357c53717769d8,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f95bc,88357c53717769d8,start
```

```
X-Google-Attributes: gidf95bc,public
X-Google-Thread: fb049,88357c53717769d8,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,88357c53717769d8,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f55c2,88357c53717769d8,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 115af6,88357c53717769d8,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: fc8b1,88357c53717769d8,start
X-Google-Attributes: gidfc8b1,public
From: "Christopher Zeman, KB9RHA" <zman@iwc.net>
Subject: Wanted: Aerotron Mobiles
Date: 1998/10/15
Message-ID: <P%oV1.1908$Gq.2424@news6.ispnews.com>#1/1
X-Deja-AN: 401389999
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Trace: news6.ispnews.com 908467311 206.185.24.43 (Thu, 15 Oct 1998 12:01:51 EDT)
Organization: ISPNews http://ispnews.com
NNTP-Posting-Date: Thu, 15 Oct 1998 12:01:51 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.boatanchors,alt.ham-radio.mods,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.radio,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.misc
```

WANTED:

Aerotron TXVRs

Low-Band Mobile to be used on 6 meters.
Must have control head and manual.

UHF Mobile for 440.
Must have control head and manual.

Please reply to zman@iwc.net

Thank you,
Christopher Zeman, KB9RHA

```
From 6665141577057743613
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32b75b30a5ba215d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,32b75b30a5ba215d
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,32b75b30a5ba215d
```

```
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10bf43,32b75b30a5ba215d
X-Google-Attributes: gid10bf43,public
From: K0HB@arrl.org
Subject: Re: ART BELL QUITS RADIO
Date: 1998/10/15
Message-ID: <705adr$8mg$1@nnrp1.dejanews.com>#1/1
X-Deja-AN: 401400243
References: <703cds$h3v@news.voyager.net>
To: w8mmq@juno.com
X-Http-Proxy: 1.0 x3.dejanews.com:80 (Squid/1.1.22) for client 155.226.255.193
Organization: Chaos & Confusion
X-Article-Creation-Date: Thu Oct 15 17:12:27 1998 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.policy
X-Http-User-Agent: Mozilla/3.01Gold (Win95; I)

In article <703cds$h3v@news.voyager.net>,
  "Daniel Hicks, Jr." <w8mmq@juno.com> wrote:
>
> October 14, 1998
>
> Radio talk-show host Art Bell has announced that he is leaving his show,
> "Coast to Coast", and quitting radio broadcasting altogether.
>
> For the complete story, visit http://members.xoom.com/w8mmq/101498.html.
> You will also find the text of Art Bell's announcement.
>
> Art is a licensed amateur radio operator, with the callsign of W6OBB.
>
> 73
> Dan/W8MMQ
> w8mmq@juno.com

So many idiots......

    ......so few comets.

Good riddance!
```

-----------== Posted via Deja News, The Discussion Network ==----------
http://www.dejanews.com/   Search, Read, Discuss, or Start Your Own

From -4834502536436723001

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,afeae41112269a19
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,afeae41112269a19
X-Google-Attributes: gid106d41,public
X-Google-Thread: 1009ad,afeae41112269a19
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 107ada,afeae41112269a19
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa029,afeae41112269a19
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1031c8,afeae41112269a19
X-Google-Attributes: gid1031c8,public
From: "labtech1" <labtech1@ee.net>
Subject: Re: Bearcat BCT-2
Date: 1998/10/16
Message-ID: <01bdf8dd$c20c78a0$4b43bed1@leebendi>#1/1
X-Deja-AN: 401685156
References: <3611ccc3.0@news.accessus.net> <6utaes$civ$1@news3.mr.net> <70289d$t0l@nntpa.cb.lucent.com>
Organization: eNET Inc.
Reply-To: "labtech1" <labtech1@nospam.ee.net>
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.cb,rec.radio.scanner

Its checking the "extender" channels for whatever state you selected, when it finds activity on one of them it will sound an alarm and the red "WARNING" lite will flash. To restore deleted frequencies, make sure the BCT-2 is not scanning (open the squelch) then press and hold the (DELETE) key until "CL" appears on the

display.

- <wrh@cbemg.cb.lucent.com> wrote in article <70289d$t0l@nntpa.cb.lucent.com>...
> In article <6utaes$civ$1@news3.mr.net>, kidbik <kidbik@brainerd.net> wrote:
> >I recently purchased a BCT-2, When monitoring a channel it always cuts out
> >(checking another channel I presume) can I change this??
> >
> >Also the delete button on the front I assume is to remove unwanted channels!
> >By deleting these is there a way to restore them at a later date, i.e...
> >turn off then on??????
> >
> >
> >
> >--

```
> >'97 F150 SC Style XLT 4X4 w/ORP, 4.6V8, Red/Gray, LEER Cap,
> >ALL POWER, CD, 3.55 w/posi, Captains Seats, Lund Avenger,
> >Chrome Westin's, Lane Dual Exhaust, Slider, Tow Pkg.
> >
> >
>
> sounds like it's checking the priority channel (every 2 seconds or so)
> i think you'd have to use "hold" on the channel you want to override
> the priority checking (i think)
>
>
> i think if you hold the "lockout" (delete?) button down for
> 2  (or is it 5 seconds) you will hear a "beep beep". this is
> the procedure to release all locked out channels.
>
> if this don't work - maybe find a operator's manual . . .
>
>
> todd k.
>



From 7205354906517995148
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,c752e4588876c09d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,c752e4588876c09d
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,c752e4588876c09d
X-Google-Attributes: gid1109af,public
From: WebMonkey <address@below.com>
Subject: Re: FS- Alinco DJ - S11  2m.  HT  (anib) ends 10/12 @ 2:46 pm EST
Date: 1998/10/16
Message-ID: <3627ECCF.100B@below.com>#1/1
X-Deja-AN: 401988661
X-NNTP-Posting-Host: access-4-35.rollanet.org
Content-Transfer-Encoding: 8bit
References: <*varmint*-1110982109000001@tc1ppp39.ascinet.com>
Content-Type: text/plain; charset=iso-8859-1
Organization: RollaNet
MIME-Version: 1.0
XPident: dnews
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.swap

Fisher Huntsmann wrote:
>
> Can be seen on eBay at:
> http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=34086663
>
> "....and he wore a hat,
>     and he had a job,                                   Fisher Huntsmann
>     and he brought home                        *varmint*@peapod.com
```

> the bacon, so that...
> ....no one knew." anti-spam " * " added
> =DEVO=

mongoloid, he was a mongoloid
one chromosome too many...
--
A.C. Curtis
KB�WLF

mailto:demoman@rollanet.org
http://www.rollanet.org/~demoman

From -9181476154800686434
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32b75b30a5ba215d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,32b75b30a5ba215d
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,32b75b30a5ba215d
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10bf43,32b75b30a5ba215d
X-Google-Attributes: gid10bf43,public
From: lpdavies@bc.seflin.org (Leslie Paul Davies)
Subject: Re: ART BELL QUITS RADIO
Date: 1998/10/17
Message-ID: <70b2kd$aur@nntp.seflin.org>#1/1
X-Deja-AN: 402287102
References: <703cds$h3v@news.voyager.net> <01bdf7e3$61b91bc0$ee8492d0@davidc.bit-net.com>
Followup-To: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.policy
Organization: SEFLIN Free-Net
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.policy

It appears he'll be back.
He'll make a statement on
the 19th, during the first
hour of the show, hosted
by Hilly Rose:

Lynx Version 2.8rel.2

http://artbell.com/artquits.html

http://www.enterprisemission.com/artquits.html

GL
--
Paul W2SYF/4 Ft Lauderdale

"Heisenberg may have slept here... "
Leslie Paul Davies
lpdavies@bc.seflin.org

From 3396208878459756798
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32b75b30a5ba215d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,32b75b30a5ba215d
X-Google-Attributes: gid10bf43,public
X-Google-Thread: fa656,32b75b30a5ba215d
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,32b75b30a5ba215d
X-Google-Attributes: gid107ada,public
From: "DavidC" <davidc@bit-net.com>
Subject: Re: ART BELL QUITS RADIO
Date: 1998/10/18
Message-ID: <01bdfac8$82b44f60$a48492d0@davidc.bit-net.com>#1/1
X-Deja-AN: 402556854
References: <703cds$h3v@news.voyager.net> <01bdf7e3$61b91bc0$ee8492d0@davidc.bit-net.com> <70b2kd$aur@nntp.seflin.org>
Organization: BIT-NET
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.policy

Leslie Paul Davies <lpdavies@bc.seflin.org> wrote:
> It appears he'll be back. He'll make a statement on the 19th, during the first
> hour of the show, hosted by Hilly Rose:

So was it a Perot-like decision-undecision, or just a cheap publicity stunt?
He had a whole year before he decided to do it, according to his quiting statement,
so there is no reason to believe that he didn't have all of the information
he needed to make that decision. So much for whatever credibility he had
with whoever!

Hmmm ... just when you thought it was safe to listen to the radio ... he's baaack ...

73, DavidC AA1FA

From -2836511717714325518
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32b75b30a5ba215d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,32b75b30a5ba215d

```
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,32b75b30a5ba215d
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10bf43,32b75b30a5ba215d
X-Google-Attributes: gid10bf43,public
From: T E I X E I R A <teixeira@ccnet.com>
Subject: Re: ART BELL QUITS RADIO
Date: 1998/10/19
Message-ID: <362ABDAD.5757@ccnet.com>#1/1
X-Deja-AN: 402690267
Content-Transfer-Encoding: 7bit
References: <703cds$h3v@news.voyager.net> <01bdf7e3$61b91bc0$ee8492d0@davidc.bit-net.com> <70b2kd$aur@nntp.seflin.org> <01bdfac8$82b44f60$a48492d0@davidc.bit-net.com>
Content-Type: text/plain; charset=us-ascii
Organization: T A O
Mime-Version: 1.0
Reply-To: teixeira@ccnet.com
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.policy

Hey....It's just a radio show... it's all entertainment...like wrestling

dt

> He had a whole year before he decided to do it, according to his quiting
> statement,
> so there is no reason to believe that he didn't have all of the information

>
> 73, DavidC  AA1FA



From -5757977791555455614
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d8997f31a1ed57ef,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,d8997f31a1ed57ef,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,d8997f31a1ed57ef,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f55c2,d8997f31a1ed57ef,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fb049,d8997f31a1ed57ef,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa656,d8997f31a1ed57ef,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,d8997f31a1ed57ef,start
X-Google-Attributes: gid108778,public
From: "Kurgan" <kurgan@mail.datatone.com>
Subject: FT-50r freeband mod /template
Date: 1998/10/19
```

Message-ID: <SHKW1.513$aO1.1059@news3.ispnews.com>#1/1
X-Deja-AN: 402868219
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
X-Trace: news3.ispnews.com 908818290 208.220.195.149 (Mon, 19 Oct 1998 13:31:30 EDT)
Organization: ISPNews http://ispnews.com
NNTP-Posting-Date: Mon, 19 Oct 1998 13:31:30 EDT
Newsgroups: alt.ham-radio.mods,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc

Does anyone have a copy of a .tpl & .rdf file from a radio with the
freebander mod? I have found out that if you use a tpl & rdf file on your
radio without preforming the hardware freebander mod and just use the tpl &
rdf file on your radio you will get the same results. If you have them send
them or email me at Kurgan@mail.datatoe.com

Thanx allot jimmy

P.S. I'm am also looking for the Euro tpl & rdf file

From -7659377538381806277
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32b75b30a5ba215d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,32b75b30a5ba215d
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,32b75b30a5ba215d
X-Google-Attributes: gid10bf43,public
X-Google-Thread: fa656,32b75b30a5ba215d
X-Google-Attributes: gidfa656,public
From: Mark Keith <nm5k@wt.net>
Subject: Re: ART BELL QUITS RADIO
Date: 1998/10/19
Message-ID: <362B7EE4.7ABA@wt.net>#1/1
X-Deja-AN: 402884473
Content-Transfer-Encoding: 7bit
References: <703cds$h3v@news.voyager.net> <01bdf7e3$61b91bc0$ee8492d0@davidc.bit-net.com>
Content-Type: text/plain; charset=us-ascii
Organization: World Trade Network, Inc.
Mime-Version: 1.0
Reply-To: nm5k@wt.net
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.policy

> 1. A publicity stunt.
> 2. Isn't he the guy with all of the UFO talk? Hmmm, perhaps he discovered
> they aren't real?
> 3. Has he been kidnapped by aliens and replaced by one who scuttled his

> show to cover up? :-)
>
> A year after the supposed event he now decides to leave ... does the name
> Ross Perot come to mind?
>
> Someone correct me on any mis-statement of the facts here, please! :-)
>
> Seriously, something just doesn't sound right here ... anyone get the same
> feeling?
>
> 73, DavidC AA1FA

Kinda funny, I think he had just announced that his show had been bought
out by a new broadcast Co. Sounds like he got fired to me. Just a guess
though. Or the three piece suiters irked him for some reason and he
quit. You can be sure the biz end had a great deal to do with it. MK

From -6382192383059552233
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32b75b30a5ba215d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,32b75b30a5ba215d
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,32b75b30a5ba215d
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10bf43,32b75b30a5ba215d
X-Google-Attributes: gid10bf43,public
From: Mark Keith <nm5k@wt.net>
Subject: Re: ART BELL QUITS RADIO
Date: 1998/10/19
Message-ID: <362B805D.C14@wt.net>#1/1
X-Deja-AN: 402884474
Content-Transfer-Encoding: 7bit
References: <703cds$h3v@news.voyager.net> <705adr$8mg$1@nnrp1.dejanews.com>
<36278a1f.1217700@news.frii.com>
Content-Type: text/plain; charset=us-ascii
Organization: World Trade Network, Inc.
Mime-Version: 1.0
Reply-To: nm5k@wt.net
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.policy

>
> >So many idiots......
> >
> >   ......so few comets.
> >
> >Good riddance!
>
> Funny- you don't know how to work the two knobs on your radio labeled Tuning
> and ON/OFF?

>
> Art has excelled at what he does best- Working hard, being a showman and
> entertaining a huge radio audience. That's the key word- entertainment, not
> trying to upstage Carl Sagan.
>
> You should be 1% as talented when you're on the air.
>
> Keep practicing.

I listened to him all the time. Pretty entertaining some of it. But I
like the stories about ghosts,ufo's,funky looking gorrila monsters,etc.
that no one else will talk about.
His show didn't get to be as popular as it is for nothing. Also
considering it's on when most normal people are asleep. I listen to him
on a 440 broadcast link to KTRH radio on my HT. Will get kinda boring at
night without all his weird types to listen to. MK

From -1130209494466672719
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,47c886a565417b0e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f86b3,93dbede887afbcf6
X-Google-Attributes: gidf86b3,public
X-Google-Thread: 107ada,47c886a565417b0e,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,47c886a565417b0e,start
X-Google-Attributes: gidfa656,public
From: croaker@access.digex.net (Frank Ney)
Subject: Re: C.S.Y-2K AFTER Y2K
Date: 1998/10/19
Message-ID: <3636bb8c.14476202@news.nycap.rr.com>#1/1
X-Deja-AN: 402992433
Content-Transfer-Encoding: 7bit
References: <6vr4it$p29@news-central.tiac.net> <36212adb.55850738@news.swbell.net>
<6vraum$104@news-central.tiac.net>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@nycap.rr.com
X-Trace: proxye1.nycap.rr.com 908839500 204.210.186.186 (Mon, 19 Oct 1998 19:25:00
EDT)
Organization: Darwin Prevention Society - We keep evolution from happening.
MIME-Version: 1.0
Reply-To: croaker@access.digex.net
NNTP-Posting-Date: Mon, 19 Oct 1998 19:25:00 EDT
Newsgroups: comp.software.year-2000,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc

On 11 Oct 1998 22:20:06 GMT, an orbiting mind control laser caused
ddgsk@tic.net to write:

>As the resident NY'er here, (at least who posts--there are probably
>thousands lurking) my story should get interesting.

>
>In any case, we should probably set aside some common place to meet,
>perhaps a physical location, perhaps a ham radio frequency, who knows. We
>can't just let csy-2k die.

Been done already, check DejaNews.

In any event, I'll repeat it:

The Y2K Rollover Net will commence on 31 Dec 1999 at 2000Z. Primary Net Frequency is 28.350MHz USB +/- QRM. Primary NCS is N4ZHG, alternate NCS is AH6GI/4. Secondary nets will be established as needed, and may turn into a full blown ARES/RACES operation.

One hopes not.

If it weren't for the fact that such is not legal, I'd suggest calling the net by playing a certain track by R.E.M. (wonder if I can apply for a one-time variance from the FCC? It'd probably go over like a fart in church...)

For those who aren't ham radio aware, the frequency is in the middle of the Novice 10 meter allocation. By the time rollover hits, we should be getting some good skip on that band.

Frank Ney WV/EMT-B N4ZHG LPWV NRA(L) GOA CCRKBA JPFO
Sponsor, BATF Abuse page http://www.access.digex.net/~croaker/batfabus.html
West Virginia Coordinator, Libertarian Second Amendment Caucus
- --
"Pinky, are you pondering what I'm pondering?"
"Uhh, I think so, Brain, but how are we going to get all of the computers to fail all at the same time?"

```
From 5833129487013086556
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d8997f31a1ed57ef
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,d8997f31a1ed57ef
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,d8997f31a1ed57ef
X-Google-Attributes: gid108778,public
X-Google-Thread: f55c2,d8997f31a1ed57ef
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fa656,d8997f31a1ed57ef
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb049,d8997f31a1ed57ef
X-Google-Attributes: gidfb049,public
X-Google-Thread: 107ada,d8997f31a1ed57ef
X-Google-Attributes: gid107ada,public
From: "Jack T.Dragon" <tdragonn@blarg.net>
```

Subject: Re: FT-50r freeband mod faq
Date: 1998/10/19
Message-ID: <362C0C31.1FC5@blarg.net>#1/1
X-Deja-AN: 403061653
Content-Transfer-Encoding: 7bit
References: <SHKW1.513$aO1.1059@news3.ispnews.com>
To: Kurgan <kurgan@mail.datatone.com>
Content-Type: text/plain; charset=us-ascii
X-Trace: 19 Oct 1998 21:06:07 -0800, 206.124.131.138
Organization: Very little, though I don't have old pizza crusts lying around.
MIME-Version: 1.0
Newsgroups: alt.ham-radio.mods,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc

Kurgan wrote:

> Does anyone have a copy of a .tpl & .rdf file from a radio with the freebander mod? I have found out that if you use a tpl & rdf file on your radio without preforming the hardware freebander mod and just use the tpl & rdf file on your radio you will get the same results. If you have them send them or email me at Kurgan@mail.datatoe.com
>
> Thanx allot jimmy
>
> P.S. I'm am also looking for the Euro tpl & rdf file

An interesting note is that I explain how to do the complete freeband mod without even having to use someone else's rdf and tpl files. I concider it much cleaner cause lord knows what settings others set their radios to and you'll have /their/ defaults.

You can find the faq at http://www.blarg.net/~tdragon/faqs/ If anyone has any questions or problems, feel free to ask me for help.

BTW, this /will not/ work on the newest ft-50s. They've had the freeband mode completely removed and if you try to set the radio to freeband mode, it'll act strangely and erratically til you restore it to a valid country code.

```
--
/----------------------------+----------------------------\
| -=Jack the TechnoDragon=-  | Please remove the second,  |
|           a.k.a.           | anti-spamming N from the   |
|      -=Jack T.Dragon=-     | end of tdragon in my       |
|      tdragonn@blarg.net    | address to respond.        |
+----------------------------+----------------------------+
```

From 4979561428196749932
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32b75b30a5ba215d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,32b75b30a5ba215d
X-Google-Attributes: gid107ada,public

X-Google-Thread: 10bf43,32b75b30a5ba215d
X-Google-Attributes: gid10bf43,public
X-Google-Thread: fa656,32b75b30a5ba215d
X-Google-Attributes: gidfa656,public
From: K0HB@arrl.org
Subject: Re: ART BELL QUITS RADIO
Date: 1998/10/21
Message-ID: <70kpds$oe2$1@nnrp1.dejanews.com>#1/1
X-Deja-AN: 403530216
References: <703cds$h3v@news.voyager.net> <01bdf7e3$61b91bc0$ee8492d0@davidc.bit-net.com>
X-Http-Proxy: 1.0 x10.dejanews.com:80 (Squid/1.1.22) for client 155.226.255.193
Organization: Chaos & Confusion
X-Article-Creation-Date: Wed Oct 21 14:00:28 1998 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.policy
X-Http-User-Agent: Mozilla/3.01Gold (Win95; I)

"DavidC" wrote:

> Three guesses:
>
> 1. A publicity stunt.
> 2. Isn't he the guy with all of the UFO talk? Hmmm, perhaps he discovered
>   they aren't real?
> 3. Has he been kidnapped by aliens and replaced by one who scuttled his
>   show to cover up? :-)

Answer: None of the above. Art Bell was forced off his radio show by PMS. The full story is at http://thevinegar.webjump.com/home.htm.

Also at that site are results of an experiment which shows that being educated in Morse Code can kill you.

73, de Hans, K0HB

-----------== Posted via Deja News, The Discussion Network ==----------
http://www.dejanews.com/   Search, Read, Discuss, or Start Your Own

```
From -4282599404186968736
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6fdf0f647646ef1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114671,6fdf0f647646ef1
X-Google-Attributes: gid114671,public
X-Google-Thread: fe552,6fdf0f647646ef1
X-Google-Attributes: gidfe552,public
X-Google-Thread: 105955,6fdf0f647646ef1
X-Google-Attributes: gid105955,public
From: w4nti@my-dejanews.com
Subject: Re: GAP Titan DX
Date: 1998/10/27
Message-ID: <714u6n$sm7$1@nnrp1.dejanews.com>#1/1
X-Deja-AN: 405584762
References: <712lip$6ab$1@news-2.news.gte.net>
X-Http-Proxy: 1.1 x7.dejanews.com:80 (Squid/1.1.22) for client 206.156.189.147
Organization: Deja News - The Leader in Internet Discussion
X-Article-Creation-Date: Tue Oct 27 17:00:07 1998 GMT
Newsgroups: att.ham-radio,aus.radio.amateur.misc,es.rec.radio.amateur,rec.ham-
radio
X-Http-User-Agent: Mozilla/4.0 (compatible; MSIE 4.01; Windows 95)
```

In article <712lip$6ab$1@news-2.news.gte.net>,
"Peter L. Stephens" <pls95@gte.net> wrote:

> I am seriously considering purchasing the new GAP Titan DX. Does any one
> have any experience with this or any other GAP antenna? How do these
> antennas compared with other multi-band verticals?
>
> Pete, KD4ETS

Pete,

I have the voyager DX. I find it to be mechanically well built, and very effecient.

--
Dan/W4NTI

-----------== Posted via Deja News, The Discussion Network ==----------
http://www.dejanews.com/   Search, Read, Discuss, or Start Your Own

```
From 3581119717268172638
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d58e11991de1aaec,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,d58e11991de1aaec,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,d58e11991de1aaec,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,d58e11991de1aaec,start
X-Google-Attributes: gidf76e2,public
From: William Estrada <wre00@amdahl.com>
Subject: WTB - Motorola manuals
Date: 1998/10/27
Message-ID: <36362861.AF157E94@amdahl.com>#1/1
X-Deja-AN: 405682994
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Organization: InterNex Information Services 1-800-595-3333
Mime-Version: 1.0
Reply-To: umunhum@hotmail.com
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc

Hello, KD6VEG here.  I am looking for the following items:

  1. Motorola Manual  UHF Micor    # 68-81015E70-H   1 each
  2. Motorola Manual  VHF Micor    # 68-81008E40-D   1 each
  3. Motorola Manual  VHF-Lo Micor # ?               1 each

                                Thanks, Rick, KD6VEG
                                Email : umunhum@hotmail.com
```

```
From -1119950574488527371
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10ffdfb4c28e4cd,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,10ffdfb4c28e4cd,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f6f62,10ffdfb4c28e4cd,start
X-Google-Attributes: gidf6f62,public
From: Van Sias <wa7fab@internetcds.com>
Subject: FS  Autec WM1 Computing Wattmeter
Date: 1998/10/28
Message-ID: <36366348.65473023@internetcds.com>#1/1
X-Deja-AN: 405867957
Content-Transfer-Encoding: 7bit
X-Accept-Language: en
```

Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@meganews.com
X-Trace: news-02.meganews.com 909562806 21042 208.26.130.5 (28 Oct 1998 08:20:06 GMT)
Organization: Phoenix Broadcasting Sites Cor
Mime-Version: 1.0
NNTP-Posting-Date: 28 Oct 1998 08:20:06 GMT
Newsgroups: rec.ham-radio,rec.amateur.equipment,rec.radio.swap

For Sale. Autec WM1 computing wattmeter. Two meters...swr and watts,
read both simultaneously. 20, 200, 2000 watt full scale, your choice.
Works fine, excellent condition cosmetically. Like new $83.00 includes
shipping. Van, K7VS

From -4056851204052659262
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c7a0cf4477c911af,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,c7a0cf4477c911af,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 115af6,c7a0cf4477c911af,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: fc8b1,c7a0cf4477c911af,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa656,c7a0cf4477c911af,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,c7a0cf4477c911af,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 1146d3,c7a0cf4477c911af,start
X-Google-Attributes: gid1146d3,public
X-Google-Thread: f76e2,c7a0cf4477c911af,start
X-Google-Attributes: gidf76e2,public
From: Ventronics <ventronics@ventronics.com>
Subject: Ventronics Communications
Date: 1998/08/13
Message-ID: <35D303A4.D093CD8@ventronics.com>#1/1
X-Deja-AN: 380772344
Content-Type: multipart/alternative; boundary="------------D3FD1B832342E6BE002DEB96"
Organization: Ventronics Communications
MIME-Version: 1.0
NNTP-Posting-Date: Thu, 13 Aug 1998 10:19:44 CDT
Newsgroups: fido7.hamradio,rec.radio,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital,rec.radio.amateur.equipment

--------------D3FD1B832342E6BE002DEB96
Content-Type: text/plain; charset=us-ascii

```
Content-Transfer-Encoding: 7bit

                        VENTRONICS COMMUNICATIONS
    Ventronics Communications has just opened in beautiful Wood Dale,
 Illinois.  We are a 2-way radio shop that deals with 2-way radio sales,
service & installations, but we don't stop with 2-way radios, Ventronics
  sells communications for all types of applications.  Ventronics is an
 authorized Airtouch Paging dealer with service at only 4.95 per month,
   WITH NO ACTIVATION FEE!  Plus, we offer cellular phones, car stereo
   sales/installations, radar detector installations, school security
packages, NEXTEL, and almost everything else that deals with electronics
  & communications! Please call us with any questions your may have at:
(630) 766-9800 or FAX: (630) 766-9803 and please visit online at
http://www.ventronics.com

--------------D3FD1B832342E6BE002DEB96
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<HTML>

<CENTER><B><I><U><FONT COLOR="#FF0000"><FONT SIZE=+4>VENTRONICS COMMUNICATIONS</
FONT></FONT></U></I></B></CENTER>

<CENTER><FONT COLOR="#000000"><FONT SIZE=+1>Ventronics Communications has
just opened in beautiful Wood Dale, Illinois.&nbsp; We are a 2-way radio
shop that deals with 2-way radio sales, service &amp; installations, but
we don't stop with 2-way radios, Ventronics sells communications for all
types of applications.&nbsp; Ventronics is an authorized Airtouch Paging
dealer with service at only 4.95 per month, WITH NO ACTIVATION FEE!&nbsp;
Plus, we offer cellular phones, car stereo sales/installations, radar detector
installations, school security packages, NEXTEL, and almost everything
else that deals with electronics &amp; communications! Please call us with
any questions your may have at:</FONT></FONT></CENTER>
<FONT COLOR="#000000"><FONT SIZE=+1>(630) 766-9800 or FAX: (630) 766-9803
and please visit online at <A HREF="http://www.ventronics.com">http://
www.ventronics.com</A></FONT></FONT></HTML>

--------------D3FD1B832342E6BE002DEB96--




From 7363022484556429201
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
```

X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
From: Flip Begich <hipar@pacbell.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/13
Message-ID: <35D3479E.3F4C@pacbell.net>#1/1
X-Deja-AN: 380859149
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net>
<35B97DE7.F3F6AAF@swbell.net> <35B9FDCB.643E@ccnet.com>
<35C10739.8647C92@home.com> <01bdbc3b$dc93ad80$4f816ac6@pavilion>
<6prntb$hao@news.cei.net> <35C20411.2D11@intel.com> <35C9B74C.8CE@megabits.net>
Content-Type: text/plain; charset=us-ascii
Organization: Pacific Bell Internet Services
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

jbjr@megabits.net wrote:
>
> I agree with Casey. What's wrong with a little challenge now and then
> to prove to yourself that you can and to the fraternity that you really
> want it.
>
>   As for justification for CW, I think there will always be a need for
> it. Imagine for a moment a worldwide catastrophy of some sort and you
> were able to survive, but your gear didn't. You have nothing but junk
> and parts left and you have to rebuild something to communicate. A
> sophisticated ssb unit is out of the question, but a simple oscillator
> is not. Hmmm, maybe CW isn't such a bad idea after all. John

Oh my God, get real !!!! Living in the past a bit are we ????
Jack

From 934815161691667987
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c7a0cf4477c911af
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,c7a0cf4477c911af
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 1146d3,c7a0cf4477c911af
X-Google-Attributes: gid1146d3,public
X-Google-Thread: fc8b1,c7a0cf4477c911af
X-Google-Attributes: gidfc8b1,public

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X-Google-Thread: 115af6,c7a0cf4477c911af
X-Google-Attributes: gid115af6,public
X-Google-Thread: f76e2,c7a0cf4477c911af
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,c7a0cf4477c911af
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,c7a0cf4477c911af
X-Google-Attributes: gidfcc6e,public
From: Spam Shooter <Spammer@ventronics.com>
Subject: Re: Ventronics Communications
Date: 1998/08/13
Message-ID: <35D36194.FEDA1A6C@ventronics.com>#1/1
X-Deja-AN: 380895654
Content-Transfer-Encoding: 7bit
References: <35D303A4.D093CD8@ventronics.com>
Content-Type: text/plain; charset=us-ascii
Organization: CyberHighway Internet Services
Mime-Version: 1.0
Reply-To: DSAdvertiser@ventronics.com
Newsgroups: fido7.hamradio,rec.radio,rec.ham-radio.swap,rec.ham-
radio.packet,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,re
c.radio.amateur.digital,rec.radio.amateur.equipment

Well,

Congratulations. You've just insured that I'll never do any business
with you. As for the products you sell, well - I've done very well with
out them so far and you can be assured you've given me even more
insentive to avoid them in the future.

Take it to the papers fools

Ventronics wrote:
::Snipped::




From -7003257146176206130
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
```

X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: "Rich Kumpf" <kumpfr@pop.tiac.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/14
Message-ID: <6r30rr$j87@news-central.tiac.net>#1/1
X-Deja-AN: 381324349
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net>
<35B97DE7.F3F6AAF@swbell.net> <35B9FDCB.643E@ccnet.com>
<35C10739.8647C92@home.com> <01bdbc3b$dc93ad80$4f816ac6@pavilion>
<6prntb$hao@news.cei.net> <35C20411.2D11@intel.com> <35C9B74C.8CE@megabits.net>
<35D3479E.3F4C@pacbell.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Organization: The Internet Access Company, Inc.
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Didn't anyone see how CW save the world from Alien attack on July 4?
Rich Kumpf, WF1V - Okay, I love CW !

Flip Begich wrote in message <35D3479E.3F4C@pacbell.net>...
>jbjr@megabits.net wrote:
>>
>> I agree with Casey. What's wrong with a little challenge now and then
>> to prove to yourself that you can and to the fraternity that you really
>> want it.
>>
>>   As for justification for CW, I think there will always be a need
for
>> it. Imagine for a moment a worldwide catastrophy of some sort and you
>> were able to survive, but your gear didn't. You have nothing but junk
>> and parts left and you have to rebuild something to communicate. A
>> sophisticated ssb unit is out of the question, but a simple oscillator
>> is not. Hmmm, maybe CW isn't such a bad idea after all. John
>
>Oh my God, get real !!!! Living in the past a bit are we ????
>Jack

From 7714744383273667672
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96d8771e73344406,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,96d8771e73344406,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,96d8771e73344406,start
X-Google-Attributes: gidfa656,public

X-Google-Thread: fc2a5,96d8771e73344406,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 107ada,96d8771e73344406,start
X-Google-Attributes: gid107ada,public
From: Deen Attan <denatan@tm.net.my>
Subject: UT-88 CTCSS/Voice Scramble unit of IC-V68
Date: 1998/08/15
Message-ID: <35D4B095.3C1AC785@tm.net.my>#1/1
X-Deja-AN: 381250615
Content-Transfer-Encoding: 7bit
Organization: TMnet Malaysia
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: rec.radio.amateur.homebrew,rec.radio.amateur,rec.radio.amateur.equipment,rec.ham-radio,rec.radio.amateur.misc

Any information on how to modified the UT-88? Varying the voice
frequencies from factory default.Pse e-mail tnx. 73
Deen 9M2DA

From 8754945952684441658
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2aed8adf1ae181b7,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,2aed8adf1ae181b7,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 1109af,2aed8adf1ae181b7,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fb049,2aed8adf1ae181b7,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 16c354,2aed8adf1ae181b7,start
X-Google-Attributes: gid16c354,public
From: Chris Chamberlain and Rachael Rhoads <ccrc@epix.net>
Subject: FS: Alinco 2M HT
Date: 1998/08/20
Message-ID: <35DBBA9F.39FE@epix.net>#1/1
X-Deja-AN: 382897811
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Organization: epix Internet Services
Mime-Version: 1.0
Reply-To: ccrc@epix.net
Newsgroups: alt.ham-radio.vhf-uhf,alt.radio.amateur.equipment,rec.radio.swap,alt.radio.scanner,rec.ham-radio

FOR SALE:

ALINCO DJ-F1T 2M COMPACT HT, GOOD CONDITION. HIGH CAPACITY NI-CAD PACK
(GIVES MAX 5 WATTS RF), DUCK ANTENNA AND BELT CLIP. RADIO HAS 40 MEMORY
CHANNELS, PLUS CALL CHANNEL AND VFO. EXTENDED TX/RX ENABLED. MEMORY AND

VFO SCAN WITH PRIORITY AND TIMED SCAN. BACKLIT LCD DISPLAY AND DTMF KEYPAD. PHONE DIALER MEMORY AND PAGING. MANY OTHER FEATURES. TRICKLE BATT CHARGER. JACKS FOR SPEAKER MIKE AND EXTERNAL 12V POWER SOURCE. FEW SCRATCHES BUT TROUBLE FREE OPERATION (WELL USED BECAUSE IT "USES" WELL). GREAT RADIO. MY BROTHER ALSO HAS ONE AND LOVES HIS. GREAT SENSITIVITY AND I ALWAYS GOT GOOD SINGNAL/AUDIO REPORTS. I UPGRADED TO A NEW HT AND NOW AM NOT USING THE ALINCO ANYMORE.

IN ORIGINAL BOX WITH MANUAL AND SCHEMATIC: $125.00

(I will ship US mail or buyer can arrange other shipping if they wish)

Chris Chamberlain, N3PVZ
Reading, PA
mailto:ccrc@epix.net if interested.

From -5547942912503629517
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,de2294d1d5d7d3f9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10e901,de2294d1d5d7d3f9,start
X-Google-Attributes: gid10e901,public
X-Google-Thread: fa656,de2294d1d5d7d3f9,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 105d97,de2294d1d5d7d3f9,start
X-Google-Attributes: gid105d97,public
From: orville@weyrich.com (Orville R. Weyrich, Jr.)
Subject: BOOK REVIEW: Managing 12 Volts
Date: 1998/08/26
Message-ID: <19980826140230.0-orville@weyrich.com>#1/1
X-Deja-AN: 385051871
X-Complaints-To: newsabuse@supernews.com
X-Trace: 904164992 L9ONVCM4D5546CCB1C usenet54.supernews.com
Organization: Weyrich Computer Consulting
X-Posted-From: Weyrich Computer Consulting $Id: post_news.cc,v 1.7 1997/01/21 09:07:12 orville Exp $
Reply-To: orville@weyrich.com
Newsgroups: misc.survivalism,sci.electronics,rec.ham-radio,rec.radio.amateur

[repost -- my original post seems to have disappeared into the proverbial bit-bucket]

After an hiatus while I enhanced the technical details of my web site, I am back to reviewing a backlog of books :-)

Please check out my latest review, and if you know of any good similar or related books, please drop me a note on while you are on my web site :-)

My new review:

URL: http://www.weyrich.com/book_reviews/managing_12.html

TITLE: Managing 12 Volts: How to Upgrade, Operate and Troubleshoot 12 Volt Systems

ABSTRACT: A handy little book which covers all aspects of the use of 12 volt lead-acid batteries in emergency and recreational settings. Of particular interest is the advice on the use of solar cells to charge lead-acid batteries.

INDEX: electronics, survival

KEYWORDS: emergency power, lead-acid, 12 volt, solar cells, camping, battery backup, recreational vehicles, RV, boats, marine, charging, care, use, using batteries, power inverters, capacity, voltage, current, storage, deep-cycle, gel-cell, alternators, generators, regulators, wind power, wiring, troubleshooting

Regards,

orville.

```
-------------------------------------------------------------------
Orville R. Weyrich, Jr.                 Weyrich Computer Consulting
mailto:orville@weyrich.com                   http://www.weyrich.com
-------------------------------------------------------------------
Visit our online collection of book reviews:

           http://www.weyrich.com/book_reviews/

Ask about our world wide web services!
-------------------------------------------------------------------
```

From -2740096104264734363
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b4b3e50f13794a9c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b4b3e50f13794a9c,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,b4b3e50f13794a9c,start
X-Google-Attributes: gid107ada,public
From: "Kiszka-Kanowitz" <robin.kiszka@frederiksbrg.mail.telia.com>
Subject: Anyone tried MFJ's QRM eliminators ?
Date: 1998/08/29
Message-ID: <01bdd38c$b5727020$0efbffc2@d00007998>#1/1
X-Deja-AN: 385988404
X-NNTP-Posting-Host: t1o101p14.telia.com
Organization: Kiszka-Kanowitz
Newsgroups: rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.misc
X-Complaints-To: abuse@telia.dk

I live in an apartment building with TV sets using switch-mode power supplies. The result is horrendous cariers at about 6 Khz spacing all along the HF bands.

Can the MFJ1026 and MFJ1025 help with this problem ? Can they really eliminate the carriers which make QSO'ing impossible ? We are talking about carriers of S8-9 and I expect to hear stations of S2-5 on the same frequency.

If you have used these products then please tell me about your experiences with them. Like I don't want to shelve out 170 US$ if it ain't gonna help !!!

73
Robin
OZ6ABM

From -5117743500537409767
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b4b3e50f13794a9c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b4b3e50f13794a9c
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,b4b3e50f13794a9c
X-Google-Attributes: gid107ada,public
From: "Ken Bickel" <ac4vvNoSpam@qsl.net>
Subject: Re: Anyone tried MFJ's QRM eliminators ?
Date: 1998/08/30
Message-ID: <6saa7p$i65$1@news.megsinet.net>#1/1
X-Deja-AN: 386045525
References: <01bdd38c$b5727020$0efbffc2@d00007998>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
Organization: MegsInet, Inc. - Low Cost, High Performance Internet Services
Newsgroups: rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.misc

I can reduce an S7 noise from a computer sitting less than 3 feet away from my HF rig with an MFJ-1026. It took some experimenting with the noise pickup antenna, but it is the only thing that did work for me. Hope you have as good a result as I did.
73

Kiszka-Kanowitz wrote in message <01bdd38c$b5727020$0efbffc2@d00007998>...
>I live in an apartment building with TV sets using switch-mode power
>supplies. The result is horrendous cariers at about 6 Khz spacing all along
>the HF bands.
>
>Can the MFJ1026 and MFJ1025 help with this problem ? Can they really
>eliminate the carriers which make QSO'ing impossible ? We are talking about

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>
>73
>Robin
>OZ6ABM
>
>
>

From -8571617442827737522
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b4b3e50f13794a9c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b4b3e50f13794a9c
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,b4b3e50f13794a9c
X-Google-Attributes: gid107ada,public
From: ss <SSluz@worldnet.att.net>
Subject: Re: Anyone tried MFJ's QRM eliminators ?
Date: 1998/08/30
Message-ID: <35E8D60B.BAAA365@worldnet.att.net>#1/1
X-Deja-AN: 386073054
Content-Transfer-Encoding: 7bit
References: <01bdd38c$b5727020$0efbffc2@d00007998>
Content-Type: text/plain; charset=us-ascii
Organization: AT&T WorldNet Services
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.misc

The 1026 works quite well. I use it to null out noise from a farmer next door that has a screwed up electric fence. The noise is very severe, but I can null it out 100% below 20 Mhz. Above that I need to get a better noise pick-up antenna. Currently I use the built in whip only for the noise antenna. The main antenna is an inverted vee up 15 meters.

You need to input a good sample of the noise alone, without the signals you want to listen to. This is the bottom line. The noise antenna phase is adjusted by the front panel controls so it is out of phase with the main antenna. The noise is cancelled, leaving the desired signals. If your noise sample also contains the desired signal it will also be cancelled. If you are using indoor antenna's for both the main and noise sample with noise sources in other parts of the building it may not work well, since you may have trouble getting a good noise only sample.

The workmanship is good, and the phase shift circuit is clever.

If you can get a amplified directional loop for one of the antenna's, it might
work using only indoor antenna's.

Good luck;

Steve

Kiszka-Kanowitz wrote:

> I live in an apartment building with TV sets using switch-mode power
> supplies. The result is horrendous cariers at about 6 Khz spacing all along
> the HF bands.
>
> Can the MFJ1026 and MFJ1025 help with this problem ? Can they really
> eliminate the carriers which make QSO'ing impossible ? We are talking about
> carriers of S8-9 and I expect to hear stations of S2-5 on the same
> frequency.
>
> If you have used these products then please tell me about your experiences
> with them. Like I don't want to shelve out 170 US$ if it ain't gonna help
> !!!
>
> 73
> Robin
> OZ6ABM

From -8841084811100444852
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,b4b3e50f13794a9c
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,b4b3e50f13794a9c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,b4b3e50f13794a9c
X-Google-Attributes: gid107ada,public
From: "Adam Maurer" <vk3alm@c031.aone.net.au>
Subject: Re: Anyone tried MFJ's QRM eliminators ?
Date: 1998/08/30
Message-ID: <01bdbd10$45ba3700$b0b90ccb@adam>#1/1
X-Deja-AN: 386086451
References: <01bdd38c$b5727020$0efbffc2@d00007998>
X-Trace: news.mel.aone.net.au 904456708 5440 203.12.185.176 (30 Aug 1998 05:58:28 GMT)
Organization: Customer of OzEmail/Access One Pty Ltd, Melbourne, Australia
NNTP-Posting-Date: 30 Aug 1998 05:58:28 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.misc

Yes, I had the opportunity to evaluate an MFJ-1026 recently.

Having owned a JPS ANC-4 for a few years I was quite keen
to do an A/B comparison in a controlled environment.

Boy, was I dissapointed in the MFJ unit.

It was more fiddely to adjust and the depth of the null was
considerable less than that of the ANC-4.

Another minus in my situation is that the MFJ is not speced
up to 60MHz like the ANC-4, and after trying it it simply didn't
work at 6MX.

On a positive, I must say I was suprised at how good the build
quality was, and the use of SMT componentry.
Maybe MFJ care oming into the 90's?

Adam VK3ALM

Kiszka-Kanowitz <robin.kiszka@frederiksbrg.mail.telia.com> wrote in article
<01bdd38c$b5727020$0efbffc2@d00007998>...
> I live in an apartment building with TV sets using switch-mode power
> supplies. The result is horrendous cariers at about 6 Khz spacing all
along
> the HF bands.

From 7449109559580282680
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b4b3e50f13794a9c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b4b3e50f13794a9c
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,b4b3e50f13794a9c
X-Google-Attributes: gid107ada,public
From: "Ken Bickel" <ac4vv@RemoveTHISqsl.net>
Subject: Re: Anyone tried MFJ's QRM eliminators ?
Date: 1998/08/30
Message-ID: <6sbo6k$da5$1@news.megsinet.net>#1/1
X-Deja-AN: 386157436
References: <01bdd38c$b5727020$0efbffc2@d00007998>
<01bdbd10$45ba3700$b0b90ccb@adam>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
Organization: MegsInet, Inc. - Low Cost, High Performance Internet Services
Newsgroups: rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.misc

How odd, side by side comparisons by others who have posted to this group for the most part seem to be getting just the opposite of the results you get. The difference in design between the MFJ and JPS units would most likely mean a redesign of the noise antenna. Is it possible that some minor changes in the noise antenna could have resulted in much better performance for you?

Admittedly it takes some time to optimize the performance, and reduce the fiddle factor, of the MFJ-1026. However, the results obtained for a given noise with a given noise antenna seem to be repeatable. In other words you could develop a chart allowing you to set the filter before returning to a band thus reducing the amount of tuning required.

I believe both units to be good investments, and obviously some have had better results with one unit over another. Bottom line, I hope the discussion has shown the originator of the question that these type of units work well!

73

Adam Maurer wrote in message <01bdbd10$45ba3700$b0b90ccb@adam>...
>Yes, I had the opportunity to evaluate an MFJ-1026 recently.
>
>Having owned a JPS ANC-4 for a few years I was quite keen
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>
>Boy, was I dissapointed in the MFJ unit.
>
>It was more fiddely to adjust and the depth of the null was
>considerable less than that of the ANC-4.
>
>Another minus in my situation is that the MFJ is not speced
>up to 60MHz like the ANC-4, and after trying it it simply didn't
>work at 6MX.
>
>On a positive, I must say I was suprised at how good the build
>quality was, and the use of SMT componentry.
>Maybe MFJ care oming into the 90's?
>
>Adam VK3ALM
>
>
>
>Kiszka-Kanowitz <robin.kiszka@frederiksbrg.mail.telia.com> wrote in article
><01bdd38c$b5727020$0efbffc2@d00007998>...
>> I live in an apartment building with TV sets using switch-mode power
>> supplies. The result is horrendous cariers at about 6 Khz spacing all
>along
>> the HF bands.
>
>

From -774634597080514605
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b4b3e50f13794a9c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b4b3e50f13794a9c
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,b4b3e50f13794a9c
X-Google-Attributes: gid107ada,public
From: w4nti@my-dejanews.com
Subject: Re: Anyone tried MFJ's QRM eliminators ?
Date: 1998/08/31
Message-ID: <6se8vl$89t$1@nnrp1.dejanews.com>#1/1
X-Deja-AN: 386414095
References: <01bdd38c$b5727020$0efbffc2@d00007998>
X-Http-Proxy: 1.1 x1.dejanews.com:80 (Squid/1.1.22) for client 206.156.189.102
Organization: Deja News - The Leader in Internet Discussion
X-Article-Creation-Date: Mon Aug 31 13:37:57 1998 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.misc
X-Http-User-Agent: Mozilla/4.0 (compatible; MSIE 4.01; Windows 95)

In article <01bdd38c$b5727020$0efbffc2@d00007998>,
"Kiszka-Kanowitz" <robin.kiszka@frederiksbrg.mail.telia.com> wrote:

> I live in an apartment building with TV sets using switch-mode power supplies. The result is horrendous cariers at about 6 Khz spacing all along the HF bands.
>
> Can the MFJ1026 and MFJ1025 help with this problem ? Can they really eliminate the carriers which make QSO'ing impossible ? We are talking about carriers of S8-9 and I expect to hear stations of S2-5 on the same frequency.
>
> If you have used these products then please tell me about your experiences with them. Like I don't want to shelve out 170 US$ if it ain't gonna help !!!
>
> 73
> Robin
> OZ6ABM
>
> Hello Robin, Dan here. I have the MFJ 1025 and I say it is fantastic. My noise is mainly a high intesity powerline noise. The MFJ totally wipes it out. My level of crap is, at times, s9 (on a FT1000MP meter). That is rather stout. I have not tried it with the noise you describe, however I would say it will likely work, since all the MFJ needs is a steady noise source to elliminate it.

In your apartment, I would recomend you get one with the built in pre-amp and try it with a small indoor antenna. The MFJ must be able to hear both the desired and un-desired signal.

Good Luck

--
Dan/W4NTI

-----== Posted via Deja News, The Leader in Internet Discussion ==-----
http://www.dejanews.com/rg_mkgrp.xp   Create Your Own Free Member Forum

From 6079926613123870726
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b4b3e50f13794a9c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,af129efd5e20ec5,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 108122,b4b3e50f13794a9c
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,b4b3e50f13794a9c
X-Google-Attributes: gid107ada,public
From: kvenl@dds.nl
Subject: Re: Anyone tried MFJ's QRM eliminators ? 1025/1026
Date: 1998/09/01
Message-ID: <6sg3md$ir7$1@nnrp1.dejanews.com>#1/1
X-Deja-AN: 386686106
References: <01bdd38c$b5727020$0efbffc2@d00007998>
<35E8D60B.BAAA365@worldnet.att.net>
X-Http-Proxy: 1.0 x10.dejanews.com:80 (Squid/1.1.22) for client 193.172.231.135
Organization: Deja News - The Leader in Internet Discussion
X-Article-Creation-Date: Tue Sep 01 06:19:57 1998 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.shortwave
X-Http-User-Agent: Mozilla/4.05 [en] (Win95; I ;Nav)

Hi!

SO when I get thsi straight, there is NO SENSE in using 2 equivalent antennas side-by-side as MFJ suggest would be the most ideal solution to use the MFJ???

It sound logic to me that, if you put the disired signal as well into the 'noise antenna', that this would be eliminatied as well.

But what does MFJ mean then with this 'ideal' situation??? And do i have to connect an antenna to 'every source of noise', let's say an antenna for my neigbours TV, one for the powerlines 2 blocks away... If you get my drift.

What's the truth here. Do they REALLY work, or must I take so much effort to solve several problems.. Or??? IS it ment to be for one very aggresive noise only, as these stories suggest?? SO that it cannot be used as an 'universal QRM killer' but one to kill a specific annoying QRM?

Any suggestion is very welcomed

```
Thanks!

Kees van Engelen (The Netherlands)









In article <35E8D60B.BAAA365@worldnet.att.net>,
  ss <SSluz@worldnet.att.net> wrote:
> The 1026 works quite well. I use it to null out noise from a farmer next door
> that has a screwed up electric fence. The noise is very severe, but I can null
> it out 100% below 20 Mhz. Above that I need to get a better noise pick-up
> antenna. Currently I use the built in whip only for the noise antenna. The
main
> antenna is an inverted vee up 15 meters.
>
> You need to input a good sample of the noise alone, without the signals you
> want to listen to. This is the bottom line. The noise antenna phase is
adjusted
> by the front panel controls so it is out of phase with the main antenna. The
> noise is cancelled, leaving the desired signals. If your noise sample also
> contains the desired signal it will also be cancelled. If you are using indoor
> antenna's for both the main and noise sample with noise sources in other parts
> of the building it may not work well, since you may have trouble getting a
good
> noise only sample.
>
> The workmanship is good, and the phase shift circuit is clever.
>
> If you can get a amplified directional loop for one of the antenna's, it might
> work using only indoor antenna's.
>
> Good luck;
>
> Steve
>
> Kiszka-Kanowitz wrote:
>
> > I live in an apartment building with TV sets using switch-mode power
> > supplies. The result is horrendous cariers at about 6 Khz spacing all along
> > the HF bands.
> >
> > Can the MFJ1026 and MFJ1025 help with this problem ? Can they really
> > eliminate the carriers which make QSO'ing impossible ? We are talking about
> > carriers of S8-9 and I expect to hear stations of S2-5 on the same
> > frequency.
> >
> > If you have used these products then please tell me about your experiences
> > with them. Like I don't want to shelve out 170 US$ if it ain't gonna help
```

> > !!!
> >
> > 73
> > Robin
> > OZ6ABM
>
>

-----== Posted via Deja News, The Leader in Internet Discussion ==-----
http://www.dejanews.com/rg_mkgrp.xp   Create Your Own Free Member Forum

From 6711956395911472062
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b4b3e50f13794a9c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b4b3e50f13794a9c
X-Google-Attributes: gid108122,public
X-Google-Thread: 114aac,af129efd5e20ec5
X-Google-Attributes: gid114aac,public
X-Google-Thread: 107ada,b4b3e50f13794a9c
X-Google-Attributes: gid107ada,public
From: W6RCecilA <w6rca@ibm.net>
Subject: Re: Anyone tried MFJ's QRM eliminators ? 1025/1026
Date: 1998/09/01
Message-ID: <35EBF73E.68C1@ibm.net>#1/1
X-Deja-AN: 386781272
Content-Transfer-Encoding: 7bit
References: <01bdd38c$b5727020$0efbffc2@d00007998>
<35E8D60B.BAAA365@worldnet.att.net> <6sg3md$ir7$1@nnrp1.dejanews.com>
X-Notice: should be reported to postmaster@ibm.net
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: postmaster@ibm.net
X-Trace: 1 Sep 1998 13:35:05 GMT, 166.72.188.197
Organization: IBM.NET
MIME-Version: 1.0
Reply-To: w6rca@ibm.net
Newsgroups: rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.shortwave

kvenl@dds.nl wrote:
> It sound logic to me that, if you put the disired signal as well into the
> 'noise antenna', that this would be eliminatied as well.

That is true. Your signal receiving antenna is picking up signals and
some local noise. Your noise antenna is picking up a lot more local noise
than signals. When the noise is equal in magnitude and opposite in sign,
thus cancelling the noise, there will be some signal left over to be
received.

> What's the truth here. Do they REALLY work, or must I take so much effort to
> solve several problems.. Or??? IS it ment to be for one very aggresive noise

> only, as these stories suggest?? SO that it cannot be used as an 'universal
> QRM killer' but one to kill a specific annoying QRM?

It works on LOCAL noise only. It cannot separate far-field noise from signals. However, if one's signal antenna is horizontal and one's noise antenna is vertical, it can work well on vertically polarized noise, the most common local QRM.

--
73, Cecil, W6RCA   http://people.delphi.com/CecilMoore

From 5591652450681401269
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4504b961cce4783d,start
X-Google-Attributes: gid10c9e3,public
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X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,4504b961cce4783d,start
X-Google-Attributes: gidf76e2,public
From: "J. Daniel Bell, Jr." <kc4oxp@flash.net>
Subject: Stone Mtn QSYer
Date: 1998/09/01
Message-ID: <6sh78e$k2g$1@excalibur.flash.net>#1/1
X-Deja-AN: 386829727
Organization: Flashnet Communications, http://www.flash.net
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Newsgroups: atl.forsale,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap

Excellent Condition - First $100 plus shipping gets it. This QSYer is made for the FT-757 I dont know if they can be modified for other radios, however dont know why they couldnt! Works and looks like new!

73 Daniel KC4OXP
kc4oxp@flash.net
770-867-5156 8am-10pm EST for quickest response!

From 7451887966396144542
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb69ef202e17e3c3,start
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X-Google-Thread: f76e2,bb69ef202e17e3c3,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,bb69ef202e17e3c3,start

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X-Google-Attributes: gid1109af,public
From: "Daniel Bell Jr." <kc4oxp@flash.net>
Subject: Updated FT-757 Station
Date: 1998/09/01
Message-ID: <6shmv4$6c5$1@excalibur.flash.net>#1/1
X-Deja-AN: 386907682
Content-Type: multipart/alternative; boundary="----
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X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Organization: Flashnet Communications, http://www.flash.net
Mime-Version: 1.0
Newsgroups: atl.forsale,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap

This is a multi-part message in MIME format.

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Content-Transfer-Encoding: quoted-printable

THE ANTENNA TUNER HAS BEEN SOLD=20
 =20
 HOWEVER THE REST OF THE HF RIG I STILL HAVE FOR SALE!! All items are in =
excellent condition both physically and electrically - I DO have =
original boxes and instruction manuals.=20
=20
 Yaesu FT-757 GX Cat System Stock Mic $550=20
Yaesu FP-757 HD (MATCHING Power Supply and speaker combined)$150
 Stone Mtn Qsyer (Direct entry Keypad) $100
 MD-1B8 Mic $100=20
=20
This would make someone a GREAT 1st HF station or a BACKUP station!!

ALL ITEMS ARE BEST OFFER PLUS SHIPPING - TRADES ARE WELCOME!!=20

73 Daniel KC4OXP kc4oxp@flash.net=20
BUYER PAYS ALL SHIPPING FROM WINDER, GEORGIA 30680=20
1-770-867-5156 8am-10pm EST Only Please!=20
=20

------=_NextPart_000_0007_01BDD5C9.595AAF20
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     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

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</HEAD>
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<DIV align=3Dcenter><FONT color=3D#ff0000><STRONG>THE ANTENNA TUNER HAS =
BEEN SOLD=20
<BR></STRONG></FONT>&nbsp; <BR>&nbsp;<STRONG>HOWEVER THE REST OF THE HF =
RIG I=20
STILL HAVE FOR SALE!! All items are in excellent condition both =
physically and=20
electrically - I DO have original boxes and instruction manuals.=20
<BR></STRONG><FONT size=3D4>&nbsp;<BR><FONT =
color=3D#0000ff>&nbsp;<STRONG>Yaesu=20
FT-757 GX Cat System Stock Mic $550 <BR>Yaesu FP-757 HD (MATCHING Power =
Supply=20
and speaker combined)$150<BR>&nbsp;Stone Mtn Qsyer (Direct entry Keypad) =

$100<BR>&nbsp;MD-1B8 Mic $100 <BR></STRONG></FONT></FONT><STRONG><FONT=20
color=3D#800000>&nbsp;</STRONG></FONT></DIV>
<DIV align=3Dcenter><STRONG><FONT color=3D#800000 face=3D"">This would =
make someone a=20
GREAT 1st HF station or a BACKUP station!!</STRONG></FONT></DIV>
<DIV align=3Dcenter><STRONG><BR></STRONG><FONT size=3D4><STRONG><U>ALL =
ITEMS ARE=20
BEST OFFER PLUS SHIPPING - TRADES ARE WELCOME!! =
</U></STRONG></FONT></DIV>
<DIV align=3Dcenter><FONT =
size=3D4><STRONG><U><BR></U></STRONG></FONT><STRONG>73=20
Daniel KC4OXP <A href=3D"mailto:kc4oxp@flash.net">kc4oxp@flash.net</A> =
<BR>BUYER=20
PAYS ALL SHIPPING FROM WINDER, GEORGIA 30680 <BR>1-770-867-5156 8am-10pm =
EST=20
Only Please! <BR></STRONG>&nbsp;</DIV></BODY></HTML>

------=_NextPart_000_0007_01BDD5C9.595AAF20--




From -8105808854788758961
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,7d2815424d5b99a1,start
X-Google-Attributes: gid108228,public
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X-Google-Attributes: gid10c9e3,public
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X-Google-Attributes: gid1109af,public
X-Google-Thread: fa029,7d2815424d5b99a1,start
X-Google-Attributes: gidfa029,public
From: Chris Chamberlain and Rachael Rhoads <mailto:ccrc@epix.net>
Subject: FS: Alinco 2M HT
Date: 1998/09/02
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Message-ID: <35ECD22B.3480@epix.net>#1/1
X-Deja-AN: 387023607
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Organization: epix Internet Services
Mime-Version: 1.0
Reply-To: ccrc@epix.net
Newsgroups: alt.ham-radio.marketplace,alt.ham-radio.vhf-uhf,rec.radio.swap,rec.radio.amateur.equipment,rec.ham-radio,rec.radio.scanner

FOR SALE:

ALINCO DJ-F1T 2M COMPACT HT, GOOD CONDITION. HIGH CAPACITY NI-CAD PACK (GIVES MAX 5 WATTS RF), DUCK ANTENNA AND BELT CLIP. RADIO HAS 40 MEMORY CHANNELS, PLUS CALL CHANNEL AND VFO. EXTENDED TX/RX ENABLED. MEMORY AND VFO SCAN WITH PRIORITY AND TIMED SCAN. BACKLIT LCD DISPLAY AND DTMFKEYPAD. PHONE DIALER MEMORY AND PAGING. MANY OTHER FEATURES. TRICKLE BATT CHARGER. JACKS FOR SPEAKER MIKE AND EXTERNAL 12V POWER SOURCE. FEW SCRATCHES BUT TROUBLE FREE OPERATION (WELL USED BECAUSE IT "USES" WELL). GREAT RADIO. MY BROTHER ALSO HAS ONE AND LOVES HIS. GREAT SENSITIVITY AND I ALWAYS GOT GOOD SINGNAL/AUDIO REPORTS. I UPGRADED TO A NEW HT AND NOW AM NOT USING THE ALINCO ANYMORE.

IN ORIGINAL BOX WITH MANUAL AND SCHEMATIC: $125.00

(I will ship by secure means to satisfacton of buyer!!!)

Chris Chamberlain, N3PVZ
Reading, PA
mailto:ccrc@epix.net if interested.

From -8940932072919398432
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,14cfe745ef9d1b9c,start
X-Google-Attributes: gid108228,public
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X-Google-Thread: 1109af,14cfe745ef9d1b9c,start
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X-Google-Attributes: gidfa029,public
X-Google-Thread: fb049,14cfe745ef9d1b9c,start
X-Google-Attributes: gidfb049,public
From: Chris Chamberlain and Rachael Rhoads <mailto:ccrc@epix.net>
Subject: FS:Mobile VHF Motorola Radius
Date: 1998/09/02
Message-ID: <35ECD6A8.937@epix.net>#1/1

X-Deja-AN: 387027321
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Organization: epix Internet Services
Mime-Version: 1.0
Reply-To: ccrc@epix.net
Newsgroups: misc.emerg-services,alt.ham-radio.marketplace,alt.ham-radio.vhf-uhf,rec.radio.swap,rec.radio.amateur.equipment,rec.ham-radio,rec.radio.scanner

USED RADIO FOR SALE

Motorola Radius 8 Channel VHF Mobile Radio. Perfect condition, no operating problems. Used for Fire/Rescue Service in my personal vehicle. 136-172 MHz frequency range. Dealer programable. With Radius microphone and power cable. GREAT DEAL!!!

$300.00

(I can arrange for pre-shipping programming for small additional fee)

EXTRA!!! Glass mount VHF-HI antenna (used) for above radio. Flat black, cellular "look-a-like" style. Only needs antenna remount kit (or double sided tape!!) Great reception and low profile!! Perfect condition. Paid $40.00 new. Will toss in for $15.00.

mailto:ccrc@epix.net for more information

Chris Chamberlain N3PVZ
Reading PA

From 4437169404127591773
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb69ef202e17e3c3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,bb69ef202e17e3c3
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1156cd,bb69ef202e17e3c3
X-Google-Attributes: gid1156cd,public
X-Google-Thread: f76e2,bb69ef202e17e3c3
X-Google-Attributes: gidf76e2,public
From: "J. Daniel Bell, Jr." <kc4oxp@flash.net>
Subject: Re: Updated FT-757 Station
Date: 1998/09/03
Message-ID: <6sn087$5cr$1@excalibur.flash.net>
X-Deja-AN: 387615747
References: <6shmv4$6c5$1@excalibur.flash.net>
Content-Type: multipart/alternative; boundary="----=_NextPart_000_0092_01BDD75C.D2B237A0"
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Organization: Flashnet Communications, http://www.flash.net

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Mime-Version: 1.0
Newsgroups: atl.forsale,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap

This is a multi-part message in MIME format.

------=_NextPart_000_0092_01BDD75C.D2B237A0
Content-Type: text/plain;
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Content-Transfer-Encoding: quoted-printable

ONLY FOR 30 HOURS STARTING AT 5PM EST 9/3/98=20

ENDING MIDNIGHT 9/4/98=20

I WILL SELL THE FT-757GX FOR $525 SHIPPED!!=20

THE YAESU FP-757 HD FOR $125 SHIPPED!!

 Stone Mtn Qsyer (Direct entry Keypad) $100 Shipped!!


 HURRY I WILL NOT ABIDE BY THIS PRICE AFTER MIDNIGHT TOMORROW NIGHT =
FRIDAY-=20

Many people have wanted this setup at $550 but couldn't come up with the =
funds, here is your chance it might be the last time it's offered at =
this price. Hurry!=20
I=20
I am taking a BIG hit on the price here, if I do not sell within the =
next 30 hours most likely I will put it on the shelf and hang onto it =
for a backup rig.=20

770-867-5156 8am-11pm EST (for fastest response)

OR
kc4oxp@flash.net=20
73 Daniel KC4OXP

    Daniel Bell Jr. wrote in message =
<6shmv4$6c5$1@excalibur.flash.net>...
    THE ANTENNA TUNER HAS BEEN SOLD=20
     =20
     HOWEVER THE REST OF THE HF RIG I STILL HAVE FOR SALE!! All items =
are in excellent condition both physically and electrically - I DO have =
original boxes and instruction manuals.=20
    =20
     Yaesu FT-757 GX Cat System Stock Mic $550=20
    Yaesu FP-757 HD (MATCHING Power Supply and speaker combined)$150
     Stone Mtn Qsyer (Direct entry Keypad) $100
     MD-1B8 Mic $100=20
    =20
    This would make someone a GREAT 1st HF station or a BACKUP station!!
   =20
```

```
    ALL ITEMS ARE BEST OFFER PLUS SHIPPING - TRADES ARE WELCOME!!=20
   =20
    73 Daniel KC4OXP kc4oxp@flash.net=20
    BUYER PAYS ALL SHIPPING FROM WINDER, GEORGIA 30680=20
    1-770-867-5156 8am-10pm EST Only Please!=20
    =20

------=_NextPart_000_0092_01BDD75C.D2B237A0
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Content-Transfer-Encoding: quoted-printable

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FOR 30 HOURS=20
STARTING AT 5PM EST 9/3/98 </FONT></FONT></STRONG></DIV>
<DIV align=3Dcenter><STRONG><FONT color=3D#ff0000><FONT=20
size=3D4></FONT></FONT></STRONG>&nbsp;</DIV>
<DIV align=3Dcenter><STRONG><FONT color=3D#ff0000><FONT size=3D4>ENDING =
MIDNIGHT=20
9/4/98 </FONT></FONT></STRONG><FONT size=3D4></FONT></DIV>
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color=3D#ff0000></FONT></FONT></STRONG>&nbsp;</DIV>
<DIV align=3Dcenter><STRONG><FONT face=3D"" size=3D3>I WILL SELL THE =
FT-757GX FOR=20
<FONT color=3D#ff0000>$525 </FONT>SHIPPED!! </FONT></STRONG></DIV>
<DIV align=3Dcenter><STRONG><FONT face=3D"" =
size=3D3></FONT></STRONG>&nbsp;</DIV>
<DIV align=3Dcenter><STRONG><FONT face=3D"" size=3D3>THE YAESU FP-757 HD =
FOR <FONT=20
color=3D#ff0000>$125 </FONT>SHIPPED!!</FONT></STRONG></DIV>
<DIV align=3Dcenter><STRONG><FONT face=3D"" =
size=3D3></FONT></STRONG>&nbsp;</DIV>
<DIV align=3Dcenter><STRONG>&nbsp;Stone Mtn Qsyer (Direct entry Keypad) =
<FONT=20
color=3D#ff0000>$100 <FONT=20
color=3D#000000>Shipped!!<BR></FONT></FONT></STRONG></DIV>
<DIV align=3Dcenter><STRONG><FONT face=3D"" =
size=3D3></FONT></STRONG>&nbsp;</DIV>
<DIV align=3Dcenter><STRONG><FONT face=3D""=20
size=3D3>&nbsp;</STRONG><U><EM><STRONG>HURRY I WILL NOT ABIDE BY THIS =
PRICE AFTER=20
MIDNIGHT TOMORROW NIGHT FRIDAY-<FONT color=3D#000000>=20
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<DIV align=3Dcenter><STRONG><FONT face=3D"" size=3D3><FONT =
color=3D#000000>Many people=20
have wanted this setup at $550 but couldn't come up with the funds, here =
is your=20
chance it might be the last time it's offered at this price. Hurry!=20
</FONT></FONT></STRONG></DIV>
<DIV align=3Dcenter><STRONG><FONT face=3D"" size=3D3><FONT =
color=3D#000000>I=20
</FONT></FONT></STRONG></DIV>
<DIV align=3Dcenter><STRONG><FONT face=3D"" size=3D3><FONT=20
color=3D#000000></FONT></FONT></STRONG><STRONG>I am taking a BIG hit on =
the price=20
here, if I do not sell within the next 30 hours most likely I will put =
it on the=20
shelf and hang onto it for a backup rig. </STRONG></DIV>
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<DIV align=3Dcenter><STRONG><FONT face=3D"" =
size=3D3></FONT></STRONG><STRONG><FONT=20
size=3D4>770-867-5156 </FONT><FONT color=3D#ff0000 face=3D"" =
size=3D4>8am-11pm EST=20
</FONT>(for fastest response)</STRONG></DIV>
<DIV align=3Dcenter><STRONG></STRONG>&nbsp;</DIV>
<DIV align=3Dcenter><STRONG>OR</STRONG></DIV>
<DIV align=3Dcenter><STRONG></STRONG><STRONG><A=20
href=3D"mailto:kc4oxp@flash.net"><FONT size=3D4>kc4oxp@flash.net</A>=20
</STRONG></FONT></DIV>
<DIV align=3Dcenter><STRONG></STRONG><STRONG>73 Daniel =
KC4OXP</STRONG></DIV>
<DIV align=3Dcenter><STRONG></STRONG>&nbsp;</DIV>
<BLOCKQUOTE=20
style=3D"BORDER-LEFT: #000000 solid 2px; MARGIN-LEFT: 5px; PADDING-LEFT: =
5px">
    <DIV>Daniel Bell Jr.<KC4OXP@FLASH.NET> wrote in message &lt;<A=20
    =
href=3D"mailto:6shmv4$6c5$1@excalibur.flash.net">6shmv4$6c5$1@excalibur.f=
lash.net</A>&gt;...</DIV>
    <DIV align=3Dcenter><FONT color=3D#ff0000><STRONG>THE ANTENNA TUNER =
HAS BEEN=20
    SOLD <BR></STRONG></FONT>&nbsp; <BR>&nbsp;<STRONG>HOWEVER THE REST =
OF THE HF=20
    RIG I STILL HAVE FOR SALE!! All items are in excellent condition =
both=20
    physically and electrically - I DO have original boxes and =
instruction=20
    manuals. <BR></STRONG><FONT size=3D4>&nbsp;<BR><FONT=20
    color=3D#0000ff>&nbsp;<STRONG>Yaesu FT-757 GX Cat System Stock Mic =
$550=20
    <BR>Yaesu FP-757 HD (MATCHING Power Supply and speaker=20
    combined)$150<BR>&nbsp;Stone Mtn Qsyer (Direct entry Keypad)=20
    $100<BR>&nbsp;MD-1B8 Mic $100 =
<BR></STRONG></FONT></FONT><STRONG><FONT=20
    color=3D#800000>&nbsp;</STRONG></FONT></DIV>
    <DIV align=3Dcenter><STRONG><FONT color=3D#800000 face=3D"">This =
would make=20
    someone a GREAT 1st HF station or a BACKUP =
station!!</STRONG></FONT></DIV>
    <DIV align=3Dcenter><STRONG><BR></STRONG><FONT =
size=3D4><STRONG><U>ALL ITEMS ARE=20
    BEST OFFER PLUS SHIPPING - TRADES ARE WELCOME!! =
</U></STRONG></FONT></DIV>
    <DIV align=3Dcenter><FONT =
size=3D4><STRONG><U><BR></U></STRONG></FONT><STRONG>73=20
    Daniel KC4OXP <A =
href=3D"mailto:kc4oxp@flash.net">kc4oxp@flash.net</A>=20
    <BR>BUYER PAYS ALL SHIPPING FROM WINDER, GEORGIA 30680 =
<BR>1-770-867-5156=20
    8am-10pm EST Only Please! =
<BR></STRONG>&nbsp;</DIV></BLOCKQUOTE></BODY></HTML>

------=_NextPart_000_0092_01BDD75C.D2B237A0--
```

```
From -6054075359799723258
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,7d2815424d5b99a1
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,7d2815424d5b99a1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7d2815424d5b99a1
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,7d2815424d5b99a1
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa029,7d2815424d5b99a1
X-Google-Attributes: gidfa029,public
X-Google-Thread: fb049,7d2815424d5b99a1
X-Google-Attributes: gidfb049,public
From: Chris Chamberlain and Rachael Rhoads <mailto:ccrc@epix.net>
Subject: Re: FS: Alinco 2M HT
Date: 1998/09/03
Message-ID: <35EF523B.41FD@epix.net>#1/1
X-Deja-AN: 387701538
Content-Transfer-Encoding: 7bit
References: <35ECD22B.3480@epix.net>
Content-Type: text/plain; charset=us-ascii
Organization: epix Internet Services
Mime-Version: 1.0
Reply-To: ccrc@epix.net
Newsgroups: alt.ham-radio.marketplace,alt.ham-radio.vhf-
uhf,rec.radio.swap,rec.radio.amateur.equipment,rec.ham-radio,rec.radio.scanner
```

THE ALINCO RADIO HAS BEEN SOLD!!!!!!

From -2878378193091181878
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,14cfe745ef9d1b9c
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,14cfe745ef9d1b9c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,14cfe745ef9d1b9c
X-Google-Attributes: gid108122,public
X-Google-Thread: fb049,14cfe745ef9d1b9c
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1109af,14cfe745ef9d1b9c
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa029,14cfe745ef9d1b9c
X-Google-Attributes: gidfa029,public
X-Google-Thread: 101376,14cfe745ef9d1b9c
X-Google-Attributes: gid101376,public
From: Chris Chamberlain and Rachael Rhoads <mailto:ccrc@epix.net>
Subject: Re: FS:Mobile VHF Motorola Radius
Date: 1998/09/03
Message-ID: <35EF526E.1C32@epix.net>#1/1
X-Deja-AN: 387703395
Content-Transfer-Encoding: 7bit
References: <35ECD6A8.937@epix.net>
Content-Type: text/plain; charset=us-ascii
Organization: epix Internet Services
Mime-Version: 1.0
Reply-To: ccrc@epix.net
Newsgroups: misc.emerg-services,alt.ham-radio.marketplace,alt.ham-radio.vhf-uhf,rec.radio.swap,rec.radio.amateur.equipment,rec.ham-radio,rec.radio.scanner

THE RADIUS VHF MOBILE RADIO HAS BEEN SOLD

From -6584390276219218802
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e04e17562ec0fcdf,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,e04e17562ec0fcdf,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,e04e17562ec0fcdf,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1156cd,e04e17562ec0fcdf,start
X-Google-Attributes: gid1156cd,public
From: "J. Daniel Bell, Jr." <kc4oxp@flash.net>
Subject: ADI 2 Meter HT
Date: 1998/09/04
Message-ID: <6sp5jt$3ot$1@excalibur.flash.net>#1/1
X-Deja-AN: 387886626

```
Organization: Flashnet Communications, http://www.flash.net
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Newsgroups: atl.forsale,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap
```

Radio is in excellent condition -keyboard mod has been performed and cpy of mod will be sent with shipment - Radio includes cable for dc (car cigarette lighter plug operation) The wall charger did go out on me, however I have been using it (as I said before) in the car and havent really missed/needed it - Other than the wall charger dead, the rest of the radio is in excellent condition! Manual included!
WILL TRADE FOR COMPLETE WEATHER STATION! PEET BROTHERS WANTED OTHERS CONSIDERED!

$150 shipped
email kc4oxp@flash.net
73 Daniel KC4OXP

```
From 156267285803979269
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e04e17562ec0fcdf
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,e04e17562ec0fcdf
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,e04e17562ec0fcdf
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1156cd,e04e17562ec0fcdf
X-Google-Attributes: gid1156cd,public
From: "J. Daniel Bell, Jr." <kc4oxp@flash.net>
Subject: Re: ADI 2 Meter HT
Date: 1998/09/04
Message-ID: <6sq0o8$4uu$1@excalibur.flash.net>#1/1
X-Deja-AN: 388022129
Organization: Flashnet Communications, http://www.flash.net
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Newsgroups: atl.forsale,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap
```

Forgot to add this, will include a 30 watt 2 meter FM amp for only $25 more, will sell amp separately!
email kc4oxp@flash.net
or call 770-867-5156 8am-10pm

J. Daniel Bell, Jr. wrote in message ...
>Radio is in excellent condition -keyboard mod has been performed and cpy of
>mod will be sent with shipment - Radio includes cable for dc (car cigarette
>lighter plug operation) The wall charger did go out on me, however I have
>been using it (as I said before) in the car and havent really missed/needed
>it - Other than the wall charger dead, the rest of the radio is in
excellent

```
>condition! Manual included!
>WILL TRADE FOR COMPLETE WEATHER STATION! PEET BROTHERS WANTED OTHERS
>CONSIDERED!
>
>$150 shipped
>email kc4oxp@flash.net
>73 Daniel KC4OXP
>
>
>
```

```
From -3502231218027862761
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,d1da610385ec0a33,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,d1da610385ec0a33,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,d1da610385ec0a33,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10ddf1,d1da610385ec0a33,start
X-Google-Attributes: gid10ddf1,public
X-Google-Thread: 10a3bb,d1da610385ec0a33,start
X-Google-Attributes: gid10a3bb,public
X-Google-Thread: fb049,d1da610385ec0a33,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 110fb1,d1da610385ec0a33,start
X-Google-Attributes: gid110fb1,public
X-Google-Thread: 114cd0,d1da610385ec0a33,start
X-Google-Attributes: gid114cd0,public
From: joseph perrin <cure@comports.com>
Subject: FORSALE: Yaesu FT-10R $150 & ICOM IC-22A $130
Date: 1998/09/06
Message-ID: <35F3256E.68F848B7@comports.com>#1/1
X-Deja-AN: 388529444
Content-Transfer-Encoding: 7bit
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
Organization: Leading Effects Disc Jockey's
Mime-Version: 1.0
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.marketplace,rec.ham-radio,rec.ham-
radio.packet,rpi.union.ham-radio,relcom.radio.ham,su.org.ham-
radio,slac.rec.ham_radio
```

I have two 2 meter radio's for sale:

1. Yaesu FT-10R for $150.00

2. Icom IC-22A for $130.00

If interested please call (503) 642-5700 and ask for Joseph.

OR

E-mail me at: cure@comports.com

From -1435503636966364440
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c80accdfa19eaa3f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1002a1,c80accdfa19eaa3f,start
X-Google-Attributes: gid1002a1,public
X-Google-Thread: f6387,8286675963a361a0
X-Google-Attributes: gidf6387,public
X-Google-Thread: f7581,c80accdfa19eaa3f,start
X-Google-Attributes: gidf7581,public
X-Google-Thread: 10bfcd,c80accdfa19eaa3f,start
X-Google-Attributes: gid10bfcd,public
From: me <jamnog@hotmail.com>
Subject: Check out these COOOOOOLLLL SITESSSS����!
Date: 1998/09/07
Message-ID: <35F31968.C8DBB6E7@hotmail.com>#1/1
X-Deja-AN: 388523892
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
X-Trace: 7 Sep 1998 00:23:13 GMT, 195.44.17.24
Organization: spagnog industries
MIME-Version: 1.0
Newsgroups: rec.drugs.chemistry,rec.drugs.psychedelic,rec.ham-radio,rec.knives,rec.skydiving

http://members.xoom.com/ichar/ikar.htm
http://members.xoom.com/jamnog
http://members.xoom.com/madrob
http://members.tripod.com/~spagnog

From 3573927682996106280
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d83cd233a1190042,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5f02,d83cd233a1190042,start
X-Google-Attributes: gidf5f02,public
X-Google-Thread: 1109af,d83cd233a1190042,start
X-Google-Attributes: gid1109af,public

X-Google-Thread: 1036d7,d83cd233a1190042,start
X-Google-Attributes: gid1036d7,public
X-Google-Thread: 103c53,d83cd233a1190042,start
X-Google-Attributes: gid103c53,public
X-Google-Thread: 1156cd,d83cd233a1190042,start
X-Google-Attributes: gid1156cd,public
From: "J. Daniel Bell, Jr." <kc4oxp@flash.net>
Subject: Stone Mtn QSYer Up For Sale AGAIN!
Date: 1998/09/09
Message-ID: <6t6ppl$j68$1@excalibur.flash.net>#1/1
X-Deja-AN: 389516761
Organization: Flashnet Communications, http://www.flash.net
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
Newsgroups:
alabama.birmingham.forsale,atl.forsale,nc.charlotte.forsale,nc.forsale,rec.ham-radio,rec.radio.swap

Ham backed out of the deal a week later, now it's up for sale again. If it's not sold before the 19th of this month it will go to the Gainesville Georgia hamfest http://www.qsl.net/kc4oxp

Excellent Condition Stone Mtn QSYer $100 plus shipping
This will WORK only for the Yaseu FT-757 that I am 100% sure of

email kc4oxp@flash.net if interested
73 Daniel KC4OXP

From 7094776534950728917
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,70236f699b13ea34,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,70236f699b13ea34,start
X-Google-Attributes: gid1109af,public
From: "J. Daniel Bell, Jr." <kc4oxp@flash.net>
Subject: Stone Mtn QSYer Info!!
Date: 1998/09/09
Message-ID: <6t78mq$oa9$1@excalibur.flash.net>#1/1
X-Deja-AN: 389586130
Organization: Flashnet Communications, http://www.flash.net
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
Newsgroups: rec.ham-radio,rec.radio.swap

To all those who have expressed a interest in the Stone Mountain Literature I have found it once again. Please email me if your still needing info! I do still have mine forsale (works on the FT-757)

73 Daniel KC4OXP
kc4oxp@flash.net

From 2681246200349409569
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,2afac7c6b75a98c6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,2afac7c6b75a98c6,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,acde0c4aa340d8d8
X-Google-Attributes: gidfa029,public
From: "Victor Healey" <fourphun   @   bellsouth.net>
Subject: Avoid low end internal WinRadio - WinRadio WR-3100e, OK
Date: 1998/09/11
Message-ID: <%98K1.1107$hE.2526414@news3.atl.bellsouth.net>#1/1
X-Deja-AN: 390079409
References: <MPG.1054e09693ea4e5898973f@news.earthlink.net>
<35f535a0.12942501@news-s01.ny.us.ibm.net> <35f561b1.959885@news2.ibm.net>
<35f7cb2a.7830902@news-s01.ny.us.ibm.net>
<OJXJ1.562$ej4.16096288@news.rdc1.mi.home.com>
<MPG.10623404b67b814d989764@news.earthlink.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
NNTP-Posting-Date: Fri, 11 Sep 1998 07:52:27 EST
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner

I agree Icom IMHO PCR-1000 external PC radio makes a better radio then low end inernal WinRadio when comparing them dollar for dollar, USA support for USA support, and quality for quality. The truly expensive WinRadio WR-3100e sounds like a good deal if you can afford it. This is a good external version. It had better be for that price!

Putting the radio card inside a computer is in the long run a bad idea for a variety of reasons. Noise being a big one. Isa bus is another. All the key technologies going into the computer will be on the PCI bus or newer buses at this time as the computer makers phase out ISA. WinRadio internal is still on the obsolete ISA bus. Buying a WinRadio internal makes as much sense as a person buying an expensive ISA sound card at this time. Even the recent high end and expensive ISA based SB AWE64 Gold can not compare to the quality of the new PCI sound cards.

FYI there has been a major advancement in PC sound which has moved to the PCI bus as predicted. Check out the specs on Creative Labs newest family of sound blaster cards which are now all PCI. The SBLive family of cards $100 to $200 are the ones to look at. The SBLive is a real sleeper at this time but has the potential to become one of this years hottest hardware items for the PC with the introduction of a $100 version. You have got to hear one in action, it is like was when we went from old CGA video to SVGA video! Only a fool would buy the similarly priced Sound Blaster PCI 128 or PCI 64 at this time. BTW I have two -� three month old PCI 64's for sale ($50 ea. mailto:fourphun@bellsouth.net) if any fools who are short on cash are reading this. The SB 64 will do some true 3-D audio in four speakers and may have some support for EAX in the near future as a software download from creative. I am switching to SBLive in both PCs.

The DSP chip on the SBLive is equivalent to a P-90 coprocessor just for sound. This card can output audio for up to eight different speakers. It can give you full control over multiple audio streams simultaneously (32 3-D audio streams in hardware alone -up to 512 midi instrument voices if devoted to music or any combination of these!). Anyway the potential of this card added to the audio output of radio signals is significant for shaping the signal and extracting information. Electrically this is a very clean low noise card that can supply noise free digital audio out if you need it. In the hands of hobbyists this card has tremendous untapped potential. More on SBLive can be found at http://www.sblive.com/product/benefits.html and http://www.sblive.com/product/faq.html . There is also a new private news server that you can log into now at -� news.creativelabs.com �- that discusses speakers, sound and the various generations of sound cards.

73 de ki4je

Lee Rothman wrote in message ...
>First of all, I applaud both Icom and WinRadio for their further designs
>of "outboard" units. Especially the fact that WinRadio has woken up to
>the fact that some of us like laptops and PCMCIA slots are a natural. Not
>to mention the lessening of internally generated noise from the computer.
>As an owner of an Icom PCR-1000 and having checked out some of WinRadio's
>products, my personal opinion is that unless you want absolute "State Of
>The Are" and are prepared to pay the $2,000.00 for the model WR-3100 I or
>E version, you might just as well get the Icom.

From 9214344464048606567
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4cbd3116aa5873ac,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1156cd,4cbd3116aa5873ac,start
X-Google-Attributes: gid1156cd,public
X-Google-Thread: 1109af,4cbd3116aa5873ac,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 103c53,4cbd3116aa5873ac,start
X-Google-Attributes: gid103c53,public
X-Google-Thread: f5f02,4cbd3116aa5873ac,start
X-Google-Attributes: gidf5f02,public
X-Google-Thread: 1036d7,4cbd3116aa5873ac,start
X-Google-Attributes: gid1036d7,public
From: "J. Daniel Bell, Jr." <kc4oxp@flash.net>
Subject: Compaq Presario 1625 Notebook FS
Date: 1998/09/12
Message-ID: <6tebc9$4n9$1@excalibur.flash.net>#1/1

X-Deja-AN: 390467587
Organization: Flashnet Communications, http://www.flash.net
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
Newsgroups:
alabama.birmingham.forsale,atl.forsale,nc.charlotte.forsale,nc.forsale,rec.ham-radio,rec.radio.swap

FS - NEW less than a month old Compaq Presario Laptop Computer - Purchased
at $1850.00 PLUS TAX yours for $1750 plus shipping or pick up at that price.
Do have (3) THREE year warranty that can also be purchased for $100 extra.
Carrying bag is INCLUDED FREE with purchase of Laptop and warranty.
Excellent computer - email for more details if interested.

Daniel kc4oxp@flash.net

POSSIBLY consider trade for ham gear HF/Kenwood/ICOM

From 3217560113495859786
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8b550e33d233fd6a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,8b550e33d233fd6a,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1156cd,8b550e33d233fd6a,start
X-Google-Attributes: gid1156cd,public
From: "J. Daniel Bell, Jr." <kc4oxp@flash.net>
Subject: THE YAESU FP-757 HD FOR $100.00 SHIPPED!
Date: 1998/09/14
Message-ID: <6tk11l$2j4$1@excalibur.flash.net>#1/1
X-Deja-AN: 391115985
Organization: Flashnet Communications, http://www.flash.net
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
Newsgroups: atl.forsale,rec.ham-radio,rec.radio.swap

Subject says it all!! Matching Power supply for the FT-757 excellent
condition - Need $$$ for hamfest this coming weekend!!

73 Daniel KC4OXP
kc4oxp@flash.net

From -3330111377133114753
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,8b550e33d233fd6a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,8b550e33d233fd6a
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1156cd,8b550e33d233fd6a
X-Google-Attributes: gid1156cd,public
From: Danny Hall <coljoker@mindspring.com>
Subject: Re: THE YAESU FP-757 HD FOR $100.00 SHIPPED!
Date: 1998/09/14
Message-ID: <35FDB70D.B6F5057B@mindspring.com>#1/1
X-Deja-AN: 391122938
Content-Transfer-Encoding: 7bit
References: <6tk11l$2j4$1@excalibur.flash.net>
Organization: Your Kidding ... Right?
X-Server-Date: 14 Sep 1998 21:41:02 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Reply-To: coljoker@**mindspring.com
Newsgroups: atl.forsale,rec.ham-radio,rec.radio.swap

Where's the Hamfest at this weekend?

J. Daniel Bell, Jr. wrote:

> Need $$$ for hamfest this coming weekend!!
>
> 73 Daniel KC4OXP
> kc4oxp@flash.net




--
"Never underestimate the power of human stupidity and greed."
R.A.H.
ICQ# 2180217
Remove the ** From My Address to E-Mail Me (Anti-Spam Tactic!)






From 6171321608532990218
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8b550e33d233fd6a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,8b550e33d233fd6a
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1156cd,8b550e33d233fd6a
X-Google-Attributes: gid1156cd,public
From: dana@randomc.com
Subject: Re: THE YAESU FP-757 HD FOR $100.00 SHIPPED!
Date: 1998/09/14
Message-ID: <6tk9b4$al9@netaxs.com>#1/1
```

X-Deja-AN: 391162208
References: <35FDB70D.B6F5057B@mindspring.com>
Organization: newsread.com ISP News Reading Service
Newsgroups: atl.forsale,rec.ham-radio,rec.radio.swap

On 1998-09-14 coljoker@**mindspring.com said:
Newsgroups: atl.forsale,rec.ham-radio,rec.radio.swap
Where's the Hamfest at this weekend?
J. Daniel Bell, Jr. wrote:
> Need $$$ for hamfest this coming weekend!!
> 73 Daniel KC4OXP
> kc4oxp@flash.net

--
"Never underestimate the power of human stupidity and greed."
R.A.H.
ICQ# 2180217
Remove the ** From My Address to E-Mail Me (Anti-Spam Tactic!)
hi, was wondering that myself.
reply to: dana@randomc.com
dana yeomans, n4pge

Net-Tamer V 1.11.1 - Test Drive

From 8152868773365655807
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8b550e33d233fd6a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,8b550e33d233fd6a
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1156cd,8b550e33d233fd6a
X-Google-Attributes: gid1156cd,public
From: "J. Daniel Bell, Jr." <kc4oxp@flash.net>
Subject: Re: THE YAESU FP-757 HD FOR $100.00 SHIPPED!
Date: 1998/09/14
Message-ID: <6tkl61$n7b$1@excalibur.flash.net>#1/1
X-Deja-AN: 391215562
References: <6tk11l$2j4$1@excalibur.flash.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
Organization: Flashnet Communications, http://www.flash.net
Newsgroups: atl.forsale,rec.ham-radio,rec.radio.swap

Power Supply/speaker has been sold!

Hamfest is Gainesville, Georgia Great hamfest hope to see ya there!!

http://www.qsl.net/kc4oxp for more information on the hamfest and our club homepage!

73 Daniel KC4OXP

Winder, Ga

Still have the MD-1B8 Mic for sale! $95.00 SHIPPED!!

J. Daniel Bell, Jr. wrote in message <6tk11l$2j4$1@excalibur.flash.net>...
>Subject says it all!! Matching Power supply for the FT-757 excellent
>condition - Need $$$ for hamfest this coming weekend!!
>
>73 Daniel KC4OXP
>kc4oxp@flash.net
>
>
>

From 3258570231244225365
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9372c2bb3f2672f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,9372c2bb3f2672f,start
X-Google-Attributes: gid1109af,public
From: "J. Daniel Bell, Jr." <kc4oxp@flash.net>
Subject: MD-1B8 Mic for sale! $95.00 SHIPPED!!
Date: 1998/09/14
Message-ID: <6tkngt$hj$1@excalibur.flash.net>#1/1
X-Deja-AN: 391227736
Organization: Flashnet Communications, http://www.flash.net
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
Newsgroups: rec.ham-radio,rec.radio.swap

Email again says it all. Hurry!! Need funds for THIS WEEKENDS HAMFEST!!
http://www.qsl.net/kc4oxp for information regarding the Gainesville, Georgia hamfest

73 Daniel KC4OXP
kc4oxp@flash.net

From -5907762146814577890
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,83865d1e1e9b2c5e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,83865d1e1e9b2c5e,start
X-Google-Attributes: gid1109af,public

X-Google-Thread: 1156cd,83865d1e1e9b2c5e,start
X-Google-Attributes: gid1156cd,public
From: "J. Daniel Bell, Jr." <kc4oxp@flash.net>
Subject: Trade NEW Laptop For HF
Date: 1998/09/17
Message-ID: <6trpjv$5gs$1@excalibur.flash.net>#1/1
X-Deja-AN: 392157967
Organization: Flashnet Communications, http://www.flash.net
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
Newsgroups: atl.forsale,rec.ham-radio,rec.radio.swap

I have a NEW (three weeks old) Compaq Presario 1625 Laptop - Includes the following -

AMD-K6 266 MHZ MMX Enhanced Processor
Built in Modem - 56k
CD-Rom 24x
12.1" High Performance Addressing Display HPA
128-Bit Accelerated Graphics
3.5 Gig hardrive
JBL Internal Speakers
PLUS MORE!!!!!
3 YEAR TRANSFERABLE WARRANTY
Carrying case also Included.

Looking to trade for YAESU FT1000 MP also in excellent condition with accessories, i.e. Matching speaker, etc.. Other like HF's also will be considered!

Email with what you have, will consider all trades.

73 Daniel KC4OXP
kc4oxp@flash.net
Submitted: 9/17/98

From 372916986780067448
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6ac90d3da82225a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,a6ac90d3da82225a,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fa656,a6ac90d3da82225a,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 115af6,a6ac90d3da82225a,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 10c2ee,d7ee57bb8f089183
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 116469,a6ac90d3da82225a,start
X-Google-Attributes: gid116469,public

From: Kent Atwater <info@bizbox.com>
Subject: Re: SOS SOS SOS!!! WE NEED YOUR ASSISTANCE!!!!!
Date: 1998/09/18
Message-ID: <36020058.52A2@bizbox.com>#1/1
X-Deja-AN: 392317534
Content-Transfer-Encoding: 7bit
References: <905752789.685447@flux> <35FD5852.3DB0@bizbox.com>
<35FD8FBF.222F6439@cybertron.com> <35FF5D62.6C25@bizbox.com>
<35FFC32A.C7441B80@cybertron.com> <3600A4CA.6B8D@bizbox.com>
<3600eb63.7356020@news.clark.net>
Content-Type: text/plain; charset=us-ascii
Organization: x
Mime-Version: 1.0
Reply-To: above, address, belongs, to, spammer.
Newsgroups: rec.antiques.radio+phono,rec.ham-radio,rec.ham-radio.packet,rec.radio,rec.radio.amateur,alt.atheism

> Bottom line, is that God ALLOWED the station to get zapped, that doesn't mean He
> is personally going around and doing malevolent things!

If God can prevent evil, but doesn't, then He isn't all-loving.
If God intends to prevent evil, but cannot, then He isn't omnipotent.
If God both intends to prevent evil and is capable of doing so, then
how can evil exist?

You cannot believe in God and also believe that he is not responsible
for all the churches he destroys with tornados, hurricanes, etc.

From -3569680993203427747
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6ac90d3da82225a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115af6,a6ac90d3da82225a
X-Google-Attributes: gid115af6,public
X-Google-Thread: fddbf,a6ac90d3da82225a
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10c2ee,d7ee57bb8f089183
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fa656,a6ac90d3da82225a
X-Google-Attributes: gidfa656,public
X-Google-Thread: 116469,a6ac90d3da82225a
X-Google-Attributes: gid116469,public
From: "David Orlowski" <daveo50@lni.net>
Subject: Re: SOS SOS SOS!!! WE NEED YOUR ASSISTANCE!!!!!
Date: 1998/09/18
Message-ID: <6ttegg$u89$1@adonis.tdi.net>#1/1
X-Deja-AN: 392383377
References: <905752789.685447@flux> <35FD5852.3DB0@bizbox.com>
<35FD8FBF.222F6439@cybertron.com> <35FF5D62.6C25@bizbox.com>
<35FFC32A.C7441B80@cybertron.com> <3600A4CA.6B8D@bizbox.com>
<3600eb63.7356020@news.clark.net> <36020058.52A2@bizbox.com>

X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
Organization: Technology Dimensions Inc. 114 E Elm Ave Monroe,MI 48162
Newsgroups: rec.antiques.radio+phono,rec.ham-radio,rec.ham-radio.packet,rec.radio,rec.radio.amateur,alt.atheism

Dear Kent (or whoever you are):

Please give it a rest!!!

Regards,

Dave Orlowski

Kent Atwater wrote in message <36020058.52A2@bizbox.com>...
>> Bottom line, is that God ALLOWED the station to get zapped, that doesn't mean He
>> is personally going around and doing malevolent things!
>
>If God can prevent evil, but doesn't, then He isn't all-loving.
>If God intends to prevent evil, but cannot, then He isn't omnipotent.
>If God both intends to prevent evil and is capable of doing so, then
>how can evil exist?
>
>You cannot believe in God and also believe that he is not responsible
>for all the churches he destroys with tornados, hurricanes, etc.

From -8990398983841716280
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6ac90d3da82225a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 116469,a6ac90d3da82225a
X-Google-Attributes: gid116469,public
X-Google-Thread: fa656,a6ac90d3da82225a
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10c2ee,d7ee57bb8f089183
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 115af6,a6ac90d3da82225a
X-Google-Attributes: gid115af6,public
X-Google-Thread: fddbf,a6ac90d3da82225a
X-Google-Attributes: gidfddbf,public
From: Randy Day <randy.day@home.comx>
Subject: Re: SOS SOS SOS!!! WE NEED YOUR ASSISTANCE!!!!!
Date: 1998/09/18
Message-ID: <3602CBEA.B96F43B5@home.comx>#1/1
X-Deja-AN: 392537013
Content-Transfer-Encoding: 7bit
References: <905752789.685447@flux> <35FD5852.3DB0@bizbox.com>
<35FD8FBF.222F6439@cybertron.com> <35FF5D62.6C25@bizbox.com>
<35FFC32A.C7441B80@cybertron.com> <3600A4CA.6B8D@bizbox.com>

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<3600eb63.7356020@news.clark.net> <36020058.52A2@bizbox.com>
Content-Type: text/plain; charset=us-ascii
Organization: @Home Network Canada
MIME-Version: 1.0
NNTP-Posting-Date: Fri, 18 Sep 1998 14:11:49 PDT
Newsgroups: rec.antiques.radio+phono,rec.ham-radio,rec.ham-
radio.packet,rec.radio,rec.radio.amateur,alt.atheism

Kent Atwater wrote:
>
> > Bottom line, is that God ALLOWED the station to get zapped, that doesn't mean
He
> > is personally going around and doing malevolent things!

> If God can prevent evil, but doesn't, then He isn't all-loving.
> If God intends to prevent evil, but cannot, then He isn't omnipotent.
> If God both intends to prevent evil and is capable of doing so, then
> how can evil exist?

> You cannot believe in God and also believe that he is not responsible
> for all the churches he destroys with tornados, hurricanes, etc.

Heck, in the Wholly Babble, god(tm) admits that he(tm) CREATES evil!
Somewhere in Isaiah (45:7, if memory serves).


R
--
Remove any occurrence of the letter 'x'
in my address to send me email.




From -4937815290026969392
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6ac90d3da82225a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115af6,a6ac90d3da82225a
X-Google-Attributes: gid115af6,public
X-Google-Thread: fa656,a6ac90d3da82225a
X-Google-Attributes: gidfa656,public
X-Google-Thread: 116469,a6ac90d3da82225a
X-Google-Attributes: gid116469,public
X-Google-Thread: 10c2ee,d7ee57bb8f089183
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fddbf,a6ac90d3da82225a
X-Google-Attributes: gidfddbf,public
From: "CommQuart" <commquart@erols.com>
Subject: Re: SOS SOS SOS!!!  WE NEED YOUR ASSISTANCE!!!!!
Date: 1998/09/18
Message-ID: <6tuiqo$nob$1@winter.news.erols.com>#1/1
X-Deja-AN: 392537017
References: <905752789.685447@flux> <35FD5852.3DB0@bizbox.com>
```

<35FD8FBF.222F6439@cybertron.com> <35FF5D62.6C25@bizbox.com>
<35FFC32A.C7441B80@cybertron.com> <3600A4CA.6B8D@bizbox.com>
<3600eb63.7356020@news.clark.net> <36020058.52A2@bizbox.com>
<3602CBEA.B96F43B5@home.comx>
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
X-Complaints-To: abuse@rcn.com
X-Trace: winter.news.erols.com 906153624 24331 207.172.224.32 (18 Sep 1998 21:20:24 GMT)
Organization: Communications Quarterly Magazine
Newsgroups: rec.antiques.radio+phono,rec.ham-radio,rec.ham-radio.packet,rec.radio,rec.radio.amateur,alt.atheism

Take this crap out of the Rec.Radio.xxx newsgroups, PLEASE!

>Heck, in the Wholly Babble, god(tm) admits that he(tm) CREATES evil!
>Somewhere in Isaiah (45:7, if memory serves).
>
>
>R
>--
>Remove any occurrence of the letter 'x'
>in my address to send me email.

From -5584046261761169667
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6ac90d3da82225a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115af6,a6ac90d3da82225a
X-Google-Attributes: gid115af6,public
X-Google-Thread: 10c2ee,d7ee57bb8f089183
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fddbf,a6ac90d3da82225a
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fa656,a6ac90d3da82225a
X-Google-Attributes: gidfa656,public
X-Google-Thread: 116469,a6ac90d3da82225a
X-Google-Attributes: gid116469,public
From: jdkelley@mindspring.com (Darwin)
Subject: Re: SOS SOS SOS!!! WE NEED YOUR ASSISTANCE!!!!!
Date: 1998/09/18
Message-ID: <3602e369.839032@news.mindspring.com>#1/1
X-Deja-AN: 392565073
References: <905752789.685447@flux> <35FD5852.3DB0@bizbox.com>
<35FD8FBF.222F6439@cybertron.com> <35FF5D62.6C25@bizbox.com>
<35FFC32A.C7441B80@cybertron.com> <3600A4CA.6B8D@bizbox.com>
<3600eb63.7356020@news.clark.net> <36020058.52A2@bizbox.com>
<3602CBEA.B96F43B5@home.comx>
X-Server-Date: 18 Sep 1998 22:57:03 GMT

Organization: MindSpring Enterprises
Newsgroups: rec.antiques.radio+phono,rec.ham-radio,rec.ham-radio.packet,rec.radio,rec.radio.amateur,alt.atheism

>Heck, in the Wholly Babble, god(tm) admits that he(tm) CREATES evil!
>Somewhere in Isaiah (45:7, if memory serves).

Hey, thanks for the tidbit, I'm arguing with a fundy who claimed God cannot coexist with evil, but thanks to your reference I can now tell him that, according to the "Wholly Babble," God created it!!! Of course, some simple logic would tell you that if God is the creator of all things then he must've created evil, but fundies cannot avoid it when the Bible tells 'em so.

Oh yeah, in my copy of the "Wholly Babble," the fundies have an annotation which supposedly resolves the contradiction. It is as follows: Heb. 'ra,' meaning "sorrow," "wretchedness," "adversity," "afflictions," "calamities," but never translated sin. God created evil only in the sense that He made sorrow, wretchedness, etc., to be the sure fruits of sin.

The fundy will then argue that man brought sin into the world with 'the fall,' which leads us all back to the problem of evil. God could've just as easily created a world in which man freely chose to do good as one in which man freely chose evil, so God is ultimately accountable for everything.

The fundy will then crawl behind faith, and die. Good riddance... .

Darwin

From -1237560427617163279
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,213dc95acfccf107,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,213dc95acfccf107,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1156cd,213dc95acfccf107,start
X-Google-Attributes: gid1156cd,public
From: "J. Daniel Bell, Jr." <kc4oxp@flash.net>
Subject: Wanted SP-20 & SM-20
Date: 1998/09/18
Message-ID: <6tv1jl$2av$1@excalibur.flash.net>#1/1
X-Deja-AN: 392597976
Organization: Flashnet Communications, http://www.flash.net
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3155.0
Newsgroups: atl.forsale,rec.ham-radio,rec.radio.swap

Email best price shipped - also condition of both items.

73 Daniel KC4OXP
kc4oxp@flash.net

"I provide quality Internet access accounts for low cost, and I help people start home businesses on the Internet. If you know anyone who needs Internet access, or who would like to have a business on the Internet, let me know!" http://www.flash.net/~kc4oxp for more details!

From 8700316084310597739
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,a6ac90d3da82225a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,d7ee57bb8f089183
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 115af6,a6ac90d3da82225a
X-Google-Attributes: gid115af6,public
X-Google-Thread: f84e8,983b0d016c4b2add,start
X-Google-Attributes: gidf84e8,public
X-Google-Thread: fddbf,a6ac90d3da82225a
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fa656,a6ac90d3da82225a
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,1bbb9666c618812a
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fc8b1,cb3f6ae60cccf035
X-Google-Attributes: gidfc8b1,public
From: "Franck E." <moumoug@cybercom.fr>
Subject: Re: SOS SOS SOS!!! WE NEED YOUR ASSISTANCE!!!!!
Date: 1998/09/19
Message-ID: <6tv3hj$161$2@jaydee.iway.fr>#1/1
X-Deja-AN: 392607833
Content-Transfer-Encoding: 8bit
References: <905752789.685447@flux> <35FD5852.3DB0@bizbox.com> <35FD8FBF.222F6439@cybertron.com> <35FF5D62.6C25@bizbox.com>
Content-Type: text/plain; charset="iso-8859-1"
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
X-Complaints-To: abuse@iway.fr
X-Trace: jaydee.iway.fr 906170739 1217 194.98.172.130 (19 Sep 1998 02:05:39 GMT)
Organization: Lesouk
Mime-Version: 1.0
NNTP-Posting-Date: 19 Sep 1998 02:05:39 GMT
Newsgroups: rec.antiques.radio+phono,rec.ham-radio,rec.ham-radio.packet,rec.radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital,rec.radio.amateur.digital.misc

Kent Atwater a �crit dans le message <35FF5D62.6C25@bizbox.com>...
>Randy Guttery wrote:

>> You must be one miserable human being!
>
>Judge not, and Ye shall not be judged you religious hypocrate.
>Why is it that religious nuts can't even follow their own rules?

Hi Kent,

I had a lot of fun reading your first post.
I was about to write the same thing.

God has a sense of humour. I hope Hantson will get God's help
for his state of mind, which is in a worse state than the transmitter
itself :-)

--

Franck E.

From -9042193002413700972
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2afac7c6b75a98c6
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,2afac7c6b75a98c6
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,acde0c4aa340d8d8
X-Google-Attributes: gidfa029,public
From: no_spam@please.com (Gary)
Subject: Re: Avoid low end internal WinRadio - WinRadio WR-3100e, OK
Date: 1998/09/19
Message-ID: <36040d2b.9779371@news.nabi.net>#1/1
X-Deja-AN: 392807835
References: <MPG.1054e09693ea4e5898973f@news.earthlink.net>
<35f535a0.12942501@news-s01.ny.us.ibm.net> <35f561b1.959885@news2.ibm.net>
<35f7cb2a.7830902@news-s01.ny.us.ibm.net>
<OJXJ1.562$ej4.16096288@news.rdc1.mi.home.com>
<MPG.10623404b67b814d989764@news.earthlink.net>
<%98K1.1107$hE.2526414@news3.atl.bellsouth.net>
X-Trace: news3.ispnews.com 906235787 208.6.184.155 (Sat, 19 Sep 1998 16:09:47 EDT)
Organization: ISPNews http://ispnews.com
NNTP-Posting-Date: Sat, 19 Sep 1998 16:09:47 EDT
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner

Greetings Victor..

On Fri, 11 Sep 1998 11:52:27 GMT, "Victor Healey" <fourphun   @
bellsouth.net> wrote:

>I agree Icom IMHO PCR-1000 external PC radio makes a better radio then low
>end inernal WinRadio when comparing them dollar for dollar, USA support for
>USA support, and quality for quality. The truly expensive WinRadio WR-3100e
>sounds like a good deal if you can afford it. This is a good external
>version. It had better be for that price!
>
>Putting the radio card inside a computer is in the long run a bad idea for a
>variety of reasons. Noise being a big one. Isa bus is another. All the key
|

Putting ANY microprocessor that runs on harmonically rich square waves near ANY receiver isn't a 'good thing'. Ultimately, for absolute lowest noise floor, we wouldn't have any of these processors near the vicinity of a receiver at all. Since the introduction of the processor into the receiver its been an ongoing battle against phase noise in relation to the receiver. Especially in concert with very weak signals.

Cheers,
Gary

snip

```
From 2713004572444911107
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6ac90d3da82225a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,a6ac90d3da82225a
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10c2ee,d7ee57bb8f089183
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fa656,a6ac90d3da82225a
X-Google-Attributes: gidfa656,public
X-Google-Thread: 115af6,a6ac90d3da82225a
X-Google-Attributes: gid115af6,public
X-Google-Thread: 116469,a6ac90d3da82225a
X-Google-Attributes: gid116469,public
From: Kent Atwater <info@bizbox.com>
Subject: Re: SOS SOS SOS!!!  WE NEED YOUR ASSISTANCE!!!!!
Date: 1998/09/19
Message-ID: <36042F5F.7EF0@bizbox.com>#1/1
X-Deja-AN: 392839562
Content-Transfer-Encoding: 7bit
References: <905752789.685447@flux> <35FD5852.3DB0@bizbox.com>
<35FD8FBF.222F6439@cybertron.com> <35FF5D62.6C25@bizbox.com>
<35FFC32A.C7441B80@cybertron.com> <3600A4CA.6B8D@bizbox.com>
<3600eb63.7356020@news.clark.net> <36020058.52A2@bizbox.com>
<3602CBEA.B96F43B5@home.comx> <3602e369.839032@news.mindspring.com>
Content-Type: text/plain; charset=us-ascii
Organization: x
Mime-Version: 1.0
```

Reply-To: above, address, belongs, to, spammer.
Newsgroups: rec.antiques.radio+phono,rec.ham-radio,rec.ham-radio.packet,rec.radio,rec.radio.amateur,alt.atheism

Darwin wrote:
>
> >Heck, in the Wholly Babble, god(tm) admits that he(tm) CREATES evil!
> >Somewhere in Isaiah (45:7, if memory serves).
>
> Hey, thanks for the tidbit, I'm arguing with a fundy who claimed God
> cannot coexist with evil, but thanks to your reference I can now tell
> him that, according to the "Wholly Babble," God created it!!!

You needed someone to tell you this? God created Satan (in christian mythology) right? And he could destroy him as well right? But he chooses not to, right? Therefore, God is EVIL.

From 8911746600487481105
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6ac90d3da82225a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,a6ac90d3da82225a
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10c2ee,d7ee57bb8f089183
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 116469,a6ac90d3da82225a
X-Google-Attributes: gid116469,public
X-Google-Thread: 115af6,a6ac90d3da82225a
X-Google-Attributes: gid115af6,public
X-Google-Thread: fa656,a6ac90d3da82225a
X-Google-Attributes: gidfa656,public
From: Edward Bell <ekbell@mindspring.com>
Subject: Re: SOS SOS SOS!!! WE NEED YOUR ASSISTANCE!!!!!
Date: 1998/09/19
Message-ID: <36043F00.756A@mindspring.com>#1/1
X-Deja-AN: 392839564
Content-Transfer-Encoding: 7bit
References: <905752789.685447@flux> <35FD5852.3DB0@bizbox.com>
<35FD8FBF.222F6439@cybertron.com> <35FF5D62.6C25@bizbox.com>
<35FFC32A.C7441B80@cybertron.com> <3600A4CA.6B8D@bizbox.com>
<3600eb63.7356020@news.clark.net> <36020058.52A2@bizbox.com>
<3602CBEA.B96F43B5@home.comx> <3602e369.839032@news.mindspring.com>
<36042F5F.7EF0@bizbox.com>
To: above, address, belongs, to, spammer.
X-Server-Date: 19 Sep 1998 22:29:39 GMT
Content-Type: text/plain; charset=us-ascii
Organization: MindSpring Enterprises
Mime-Version: 1.0
Reply-To: ekbell@mindspring.com
Newsgroups: rec.antiques.radio+phono,rec.ham-radio,rec.ham-radio.packet,rec.radio,rec.radio.amateur,alt.atheism

K. A. : You are sick! Go somewhere - anywhere way away from here.

From -6197079705945537576
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6ac90d3da82225a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 116469,a6ac90d3da82225a
X-Google-Attributes: gid116469,public
X-Google-Thread: fddbf,a6ac90d3da82225a
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 115af6,a6ac90d3da82225a
X-Google-Attributes: gid115af6,public
X-Google-Thread: fa656,a6ac90d3da82225a
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10c2ee,d7ee57bb8f089183
X-Google-Attributes: gid10c2ee,public
From: Kent Atwater <info@bizbox.com>
Subject: Re: SOS SOS SOS!!! WE NEED YOUR ASSISTANCE!!!!!
Date: 1998/09/19
Message-ID: <36043EBB.5692@bizbox.com>#1/1
X-Deja-AN: 392851476
Content-Transfer-Encoding: 7bit
References: <905752789.685447@flux> <35FD5852.3DB0@bizbox.com>
<35FD8FBF.222F6439@cybertron.com> <35FF5D62.6C25@bizbox.com>
<35FFC32A.C7441B80@cybertron.com> <3600A4CA.6B8D@bizbox.com>
<3600eb63.7356020@news.clark.net> <36020058.52A2@bizbox.com>
<3602CBEA.B96F43B5@home.comx> <3602e369.839032@news.mindspring.com>
<36042F5F.7EF0@bizbox.com> <36043F00.756A@mindspring.com>
Content-Type: text/plain; charset=us-ascii
Organization: x
Mime-Version: 1.0
Reply-To: above, address, belongs, to, spammer.
Newsgroups: rec.antiques.radio+phono,rec.ham-radio,rec.ham-radio.packet,rec.radio,rec.radio.amateur,alt.atheism

Edward Bell wrote:
>
> K. A. : You are sick! Go somewhere - anywhere way away from here.

God doesn't like that kind of talk!

From 8217857345710212 62
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6ac90d3da82225a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115af6,a6ac90d3da82225a
X-Google-Attributes: gid115af6,public
X-Google-Thread: 116469,a6ac90d3da82225a

X-Google-Attributes: gid116469,public
X-Google-Thread: 10c2ee,d7ee57bb8f089183
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fddbf,a6ac90d3da82225a
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fa656,a6ac90d3da82225a
X-Google-Attributes: gidfa656,public
From: chrisp@flash.net (Chris Peterson)
Subject: Re: SOS SOS SOS!!! WE NEED YOUR ASSISTANCE!!!!!
Date: 1998/09/19
Message-ID: <MPG.106dd2448b675525989a57@news.flash.net>#1/1
X-Deja-AN: 392883572
Sender: chrisp@p165.amax4.dialup.ftw1.flash.net
References: <905752789.685447@flux> <35FD5852.3DB0@bizbox.com>
<35FD8FBF.222F6439@cybertron.com> <35FF5D62.6C25@bizbox.com>
<35FFC32A.C7441B80@cybertron.com> <3600A4CA.6B8D@bizbox.com>
<3600eb63.7356020@news.clark.net> <36020058.52A2@bizbox.com>
Organization: BAAWA
Newsgroups: rec.antiques.radio+phono,rec.ham-radio,rec.ham-radio.packet,rec.radio,rec.radio.amateur,alt.atheism

Kent Atwater wrote:

> > Bottom line, is that God ALLOWED the station to get zapped, that
> > doesn't mean He is personally going around and doing malevolent things!

> If God can prevent evil, but doesn't, then He isn't all-loving.
> If God intends to prevent evil, but cannot, then He isn't omnipotent.
> If God both intends to prevent evil and is capable of doing so, then
> how can evil exist?

> You cannot believe in God and also believe that he is not responsible
> for all the churches he destroys with tornados, hurricanes, etc.

Checking newsgroup header:

rec.antiques.radio+phono, rec.ham-radio, rec.ham-radio.packet, rec.radio,
rec.radio.amateur, alt.atheism

Hmmm... Hey Kent, are you an atheist ham radio operator?

--
Chris Peterson #1075

From -9088263329484646805
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5

```
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: cyberscott <n5clk@swbell.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/29
Message-ID: <35BECD4A.97040DAF@swbell.net>#1/1
X-Deja-AN: 375922465
Content-Transfer-Encoding: 7bit
References: <6pi77g$pau@dolphin.cannet.com>
<xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com> <6plnbg$d8$1@fu-berlin.de>
<35BE71F0.4C53@ccnet.com>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: usenet@nnrp3
X-Trace: (null) 901696827 14175 (None) 209.184.1.13
Organization: Southwestern Bell Internet Services, Richardson, TX
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc

Well said

T E I X E I R A wrote:

> Why should we have to "Justify" CW....  99.99% of everything transmitted
> on all of the phone modes is "garbage"...  When was the last time you
> heard anything of real value on phone?
>
> It's that .001% that counts.....  It's the same with CW.
>
> Cheers,
> dt






From -6619724551215197565
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
```

```
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
From: jls <jls1@lightspeed.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/30
Message-ID: <35C08F4E.D6E2196F@lightspeed.net>#1/1
X-Deja-AN: 376384112
Content-Transfer-Encoding: 7bit
References: <6pi77g$pau@dolphin.cannet.com>
<xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com> <6plnbg$d8$1@fu-berlin.de>
<35BE71F0.4C53@ccnet.com> <35BECD4A.97040DAF@swbell.net>
Content-Type: text/plain; charset=us-ascii
Organization: Tribune Network Technology
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc

Never heard much of value on cw either example: your rst is, qth is, name hr
is, wx is, the rig here is, etc. All repetitive boring stuff.
cyberscott wrote:

> Well said
>
> T E I X E I R A wrote:
>
> > Why should we have to "Justify" CW....  99.99% of everything transmitted
> > on all of the phone modes is "garbage"...  When was the last time you
> > heard anything of real value on phone?
> >
> > It's that .001% that counts.....  It's the same with CW.
> >
> > Cheers,
> > dt




From 1841281336988195148
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
```

```
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: Mark Keith <nm5k@wt.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/30
Message-ID: <35C0AF9A.523F@wt.net>#1/1
X-Deja-AN: 376411452
Content-Transfer-Encoding: 7bit
References: <6pi77g$pau@dolphin.cannet.com>
<xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com> <6plnbg$d8$1@fu-berlin.de>
<35BE71F0.4C53@ccnet.com> <35BECD4A.97040DAF@swbell.net>
<35C08F4E.D6E2196F@lightspeed.net>
Content-Type: text/plain; charset=us-ascii
Organization: World Trade Network, Inc.
Mime-Version: 1.0
Reply-To: nm5k@wt.net
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc
```

>
> Never heard much of value on cw either example: your rst is, qth is, name hr
> is, wx is, the rig here is, etc. All repetitive boring stuff.

If you can only do 5 wpm that is about all you will be able to do within
a normal time span. Most people that REALLY run cw go fast enough to
have a fairly normal conversation. Besides not much different on fone.
Yer loud here, yep, here too, boy it sure is hot, yep, here too, hey you
still on yer old rice box? yep, how bout you?, yep, same here, etc,ad
nausium...MK

```
From -8142112504052352860
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
```

X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: Alan Price <career1@home.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/30
Message-ID: <35C10739.8647C92@home.com>#1/1
X-Deja-AN: 376509111
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net>
<35B97DE7.F3F6AAF@swbell.net> <35B9FDCB.643E@ccnet.com>
Content-Type: text/plain; charset=us-ascii
Organization: @Home Network
MIME-Version: 1.0
NNTP-Posting-Date: Thu, 30 Jul 1998 16:53:49 PDT
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc

I failed the General test because of CW twice. I finally got it. That
was back in 1959. I still enjoy CW and use it. If I can learn it,
anyone can.

Alan
W1HYV

From 8041042578873371148
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: cyberscott <n5clk@swbell.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/30
Message-ID: <35C133A8.70CBED5F@swbell.net>#1/1
X-Deja-AN: 376549996
Content-Transfer-Encoding: 7bit
References: <6pi77g$pau@dolphin.cannet.com>

```
<xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com> <6plnbg$d8$1@fu-berlin.de>
<35BE71F0.4C53@ccnet.com> <35BECD4A.97040DAF@swbell.net>
<35C08F4E.D6E2196F@lightspeed.net>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: usenet@nnrp1
X-Trace: (null) 901854095 10420 (None) 209.184.1.181
Organization: Southwestern Bell Internet Services, Richardson, TX
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc
```

I must admit that there is much redundancey on CW, but if you look around, especially on the lower freqs., you can find some OT's, and me for that matter, having some good conversation.

jls wrote:

> Never heard much of value on cw either example: your rst is, qth is, name hr
> is, wx is, the rig here is, etc. All repetitive boring stuff.
> cyberscott wrote:
>
> > Well said
> >
> > T E I X E I R A wrote:
> >
> > > Why should we have to "Justify" CW.... 99.99% of everything transmitted
> > > on all of the phone modes is "garbage"... When was the last time you
> > > heard anything of real value on phone?
> > >
> > > It's that .001% that counts..... It's the same with CW.
> > >
> > > Cheers,
> > > dt

```
From 3104764236875991937
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
```

X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: "Rick" <rickmudd@teleport.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/31
Message-ID: <01bdbc3b$dc93ad80$4f816ac6@pavilion>#1/1
X-Deja-AN: 376569334
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net>
<35B97DE7.F3F6AAF@swbell.net> <35B9FDCB.643E@ccnet.com>
<35C10739.8647C92@home.com>
NNTP-Posting-Date: Thu, 30 Jul 1998 21:32:21 PDT
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

I like to tell the story about when I took the General test a couple of months ago. This old fart (I use the term with affection...he's a friend) about 85 years old came in to sit through the 20 wpm and 13 wpm while waiting for his 5 wpm test. While I stuggled through the 13 wpm he copied 100% perfect copy. He was pissed because now he has to study for the general written...

Rick
KC7WGS

Alan Price <career1@home.com> wrote in article
<35C10739.8647C92@home.com>...
> I failed the General test because of CW twice. I finally got it. That
> was back in 1959. I still enjoy CW and use it. If I can learn it,
> anyone can.
>
> Alan
> W1HYV
>

From -4778627841816254883
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public

X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
From: "Pat Denman" <pdenman@artelco.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/31
Message-ID: <6prntb$hao@news.cei.net>#1/1
X-Deja-AN: 376590609
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com> <6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com> <35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net> <35B97DE7.F3F6AAF@swbell.net> <35B9FDCB.643E@ccnet.com> <35C10739.8647C92@home.com> <01bdbc3b$dc93ad80$4f816ac6@pavilion>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Organization: World Lynx, Inc.
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Well here my $ 0.02 worth, It took me 2 years to pass the 20 wpm for extra class. The only reasoned I stuck with it is because I have a $ 1500.00 radio setting on my desk and I wonted to be able to use all of the band and not just a little proton. I think if we don't do something to bring more interest to our hobby we are going to lose more bands. Look at the internet, You can communicate with any one in the world and don't have to take any
test
AC5OM

From 6347883006774254780
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d8528adc27f16183,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,d8528adc27f16183,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,d8528adc27f16183,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1109af,d8528adc27f16183,start
X-Google-Attributes: gid1109af,public
From: "The Crew" <dc@citynet.net>
Subject: cat 1000 questions...
Date: 1998/07/31
Message-ID: <6prq7e$m4i$1@news.citynet.net>#1/1
X-Deja-AN: 376604322
Organization: CityNet Corporation
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.swap

ok, this one got me... cat 1000 comes in the mail. cost mega bucks, BIG
dollars. but no software!!! it's extra! what a surprise, indeed. for that
money you would think they'd offer up software with it. disappointing.
anyone have a copy to save me a few hours? would appreciate it and could
offer trades for your trouble.
thanks in advance!
Randy

From -6868653775567367077
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
From: Casey Bahr <casey.bahr@intel.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/31
Message-ID: <35C20411.2D11@intel.com>#1/1
X-Deja-AN: 376744375
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net>
<35B97DE7.F3F6AAF@swbell.net> <35B9FDCB.643E@ccnet.com>
<35C10739.8647C92@home.com> <01bdbc3b$dc93ad80$4f816ac6@pavilion>
<6prntb$hao@news.cei.net>
Content-Type: text/plain; charset=us-ascii
Organization: Intel
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Pat Denman wrote:
>
> Well here my $ 0.02 worth, It took me 2 years to pass the 20 wpm for extra
> class. The only reasoned I stuck with it is because I have a $ 1500.00 radio
> setting on my desk and I wonted to be able to use all of the band and not
> just a little proton. I think if we don't do something to bring more

> interest to our hobby we are going to lose more bands. Look at the internet,
> You can communicate with any one in the world and don't have to take any
> test
> AC5OM

Well, that last statement is a bit of an exaggeration OM, but it may one day get to that point. On the other hand, what is the challenge in that? I thought part of the hobby was the way it challenges you to learn new things and push yourself (I guess you didn't enjoy getting up to 20 wpm at all and feel no pride in having accomplished it) both in terms of technical ability and operating skill. When you can get a ham license for just sending in a few boxtops from the cereal box, that's when ham radio will be really dead.
73,

--
Casey, KS7J, FNW #1, FISTS #3648, CC #450
Trustee, FISTS Northwest, K7FFF, FISTS #4400, CC #457
http://www.imagina.com/webpages/casey/k7fff

From 1374546015045434755
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
From: Edward Hazell <ejhazell@vselect.demon.co.uk>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/31
Message-ID: <65q9OCA6xhw1EwZH@vselect.demon.co.uk>#1/1
X-Deja-AN: 376770681
X-NNTP-Posting-Host: vselect.demon.co.uk:212.228.80.137
References: <6pi77g$pau@dolphin.cannet.com>
<xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com>
X-Complaints-To: abuse@demon.net
X-Trace: news.demon.co.uk 901913825 nnrp-04:23706 NO-IDENT
vselect.demon.co.uk:212.228.80.137
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio

.amateur.misc

In article <xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com>, Ted
Lee <tedlee@canada.com> writes
>I think that the CW test should be replace with a HF packet network
>management test.
>
>I still can think of any really use for CW now a days.
>
>Everybody has drop the used of CW in military, coast guard, government, and
>all other areas of communications where getting the message out is
>important.
>
>There is a vast difference between amateur and commercial radio.The
commercial has to keep the budget down,and this they can do by doing
away with radio operators and replacing them with a bridge/hand held
phone through satellites.The 'self training'aspect does not come in to
it with them,we do not have ready access to satellites,and if we did,it
would be the same as having a telephone in our shacks.I fail to see how
any one can try making comparisons between amateur and commercial
radio.They are worlds apart.Also,if a satellite goes down,then that is
that,there is no way you can do a 'make and mend' repair.Anyone saying
that morse does not have any use in this world of ours does not have the
first understanding of morse/cw.Please do not make senseless remarks to
justify the fact that those who cannot make the necessary standard will
not try harder,but will try all means to drag the standard down to their
own level.Morse does get through when other 'easy methods'will not..
TED.G0HAU..TONBRIDGE...KENT
>
>

--
Edward Hazell

From 6820647727054218852
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
From: "Us 2" <HeyYou2@bigfoot.com>

Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/01
Message-ID: <6pvfep$g7a$1@news-in.anc.net>#1/1
X-Deja-AN: 377009155
References: <6pi77g$pau@dolphin.cannet.com>
<xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Organization: Arkansas.Net (501) 375-0160
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

When I first got my ticket - I thought there was no use for CW either. Then 10mtrs closed and it was all that was left. I sat and listened to 40mtrs - learned cw and started to enjoy it. Now can send and recieve over 30wpm by hand.   Once you learn it you will enjoy it. Or at least that's the way it worked here.

N3JFF
Ted Lee wrote in message ...
>I think that the CW test should be replace with a HF packet network
>management test.
>
>I still can think of any really use for CW now a days.
>
>Everybody has drop the used of CW in military, coast guard, government, and
>all other areas of communications where getting the message out is
>important.
>
>
>
>

From 8747155379582152730
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public

From: cyberscott <n5clk@swbell.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/01
Message-ID: <35C3F1E8.372CB1AB@swbell.net>#1/1
X-Deja-AN: 377134822
Content-Transfer-Encoding: 7bit
References: <6pi77g$pau@dolphin.cannet.com> <xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com> <6pvfep$g7a$1@news-in.anc.net>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: usenet@nnrp3
X-Trace: (null) 902033872 9297 (None) 209.184.1.99
Organization: Southwestern Bell Internet Services, Richardson, TX
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

That's how it happened to me. Once I took the 15-20 min a day to really learn it, I really enjoyed it. My radio doesn't even have a voice mode.

Us 2 wrote:

> When I first got my ticket - I thought there was no use for CW either. Then
> 10mtrs closed and it was all that was left. I sat and listened to 40mtrs -
> learned cw and started to enjoy it. Now can send and recieve over 30wpm by
> hand.   Once you learn it you will enjoy it. Or at least that's the way it
> worked here.
>
> N3JFF
> Ted Lee wrote in message ...
> >I think that the CW test should be replace with a HF packet network
> >management test.
> >
> >I still can think of any really use for CW now a days.
> >
> >Everybody has drop the used of CW in military, coast guard, government, and
> >all other areas of communications where getting the message out is
> >important.
> >
> >
> >
> >

From -5066563025212787628
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d8528adc27f16183
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 108122,d8528adc27f16183
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,d8528adc27f16183
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,d8528adc27f16183
X-Google-Attributes: gidfa656,public
From: omcdaniel.abcd@mindspring.com (Olin K. McDaniel)
Subject: Re: cat 1000 questions...
Date: 1998/08/02
Message-ID: <35c3d550.28246180@news.mindspring.com>#1/1
X-Deja-AN: 377114507
References: <6prq7e$m4i$1@news.citynet.net>
X-Server-Date: 2 Aug 1998 03:05:03 GMT
Organization: MindSpring Enterprises
Reply-To: omcdaniel.abcd@mindspring.com
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.swap

On Fri, 31 Jul 1998 03:03:14 -0400, "The Crew" <dc@citynet.net> wrote:

>ok, this one got me... cat 1000 comes in the mail. cost mega bucks, BIG
>dollars. but no software!!! it's extra! what a surprise, indeed. for that
>money you would think they'd offer up software with it. disappointing.
>anyone have a copy to save me a few hours? would appreciate it and could
>offer trades for your trouble.
>thanks in advance!
>Randy
>
>

I'm not sure what software you should have received, since we are using the CAT 300 DX which had none and needed none. Perhaps you're referring to the "Programming under Windows" software, which we don't use. All our programming was done with TT phones, one button at a time!

On the other hand I did try an approach they sort of mentioned, but not really with enthusiasm. (Good reason too, they didn't know enough about it to push it.) They sold me an RS 232 interface, and I provided the modem at the repeater site. The idea being to program the controller remotely from a computer, and of course then you do need their software. I bought the software for the CAT 300 DX, and have it now. But after going thru all this, I found their real intent was to have me take a laptop computer to the repeater site, and download directly thru the RS 232 interface. The idea of using a modem and doing it remotely was sort of an off the wall suggestion they made. It took me hours and hours to finally get it to work, which I did. They really had no interest in helping me either, were so disinterested they offered to give me the money back on the interface and quietly go away. Not a happy parting.

Good luck,

Olin McDaniel, W4PFZ

To reply by email, please remove ".abcd" from Return address

```
From 6585809646337058987
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: Butch Magee <butchkay@netdoor.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/02
Message-ID: <35ED4190.1851A192@netdoor.com>#1/1
X-Deja-AN: 377193704
Content-Transfer-Encoding: 7bit
References: <6pi77g$pau@dolphin.cannet.com> <xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com> <6pvfep$g7a$1@news-in.anc.net> <35C3F1E8.372CB1AB@swbell.net>
Content-Type: text/plain; charset=us-ascii
Organization: Internet Doorway, Inc. -- http://www.netdoor.com/
MIME-Version: 1.0
NNTP-Posting-Date: Sun, 02 Aug 1998 08:02:04 CDT
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc
```

Gotta tell you Dads' out there, the Novice Ticket makes a wonderfull father and son/daughter project. Try it. Don't get discouraged because the kids just "soak up" the code like a spong and you have to work at it. Thats just the way it is. Kids have NO problem kicking your behind on code. The theory portion will put you back on equal ground for a while. :o) A short while only though!

Butch KF5DE

cyberscott wrote:

> That's how it happened to me. Once I took the 15-20 min a day to really learn

```
> it, I really enjoyed it.  My radio doesn't even have a voice mode.
>
> Us 2 wrote:
>
> > When I first got my ticket - I thought there was no use for CW either.  Then
> > 10mtrs closed and it was all that was left.  I sat and listened to 40mtrs -
> > learned cw and started to enjoy it.  Now can send and recieve over 30wpm by
> > hand.   Once you learn it you will enjoy it.  Or at least that's the way it
> > worked here.
> >
> > N3JFF
> > Ted Lee wrote in message ...
> > >I think that the CW test should be replace with a HF packet network
> > >management test.
> > >
> > >I still can think of any really use for CW now a days.
> > >
> > >Everybody has drop the used of CW in military, coast guard, government, and
> > >all other areas of communications where getting the message out is
> > >important.
> > >
> > >
> > >
> > >
```

```
From 8489617051968151522
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: Allan Councill <a1mc@telepath.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/02
Message-ID: <35C488D7.257E@telepath.com>#1/1
X-Deja-AN: 377221631
Content-Transfer-Encoding: 8bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
```

<6o7vjs$a35$1@news1.sol.no>
Content-Type: text/plain; charset=iso-8859-1
Organization: N/A
MIME-Version: 1.0
Reply-To: a1mc@telepath.com
NNTP-Posting-Date: Sun, 02 Aug 1998 11:40:59 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Torbj�rn Morka wrote:
>
> Rudi Wiedemann skrev i meldingen ...
> >cut
>
> Agree!
> BUT:
> I manage to obtaine my licence and is hereby a full "ham" by knowing the
> morse-code.
> I choosehowever to only use VHF/UHF and is very rear down to HF-region.
> Morse code
> is never used for me, only packet or OSCAR.
>
> Nobody can do anything with this. After a few months i decide to spend some
> time at HF and
> is soon QRP on 20-meter on SSB with some friends, or we try the 80-meter for
> chat with some
> OZ'ers or SM's Still no morse for me.
> I hear something in cw from time to time, but dont care about it.
> My expensive program for decoding morse is quite good, i use it and by
> reprogramming an
> terminal or TNC i am QRP with CW by a PC !
>
> The ticket is clear, you have to know it to get a licence on HF, but you
> NEVER have to use it!
> I think it sucks !!!
> It also prevents many from getting this as a hobby because the morse is an
> obstacle !

I agree and I remember that the late senator goldwater had two fantastic
base set-ups and pushed for code to remain but when he sat at his radios
he would use modems and computer 90% of the time.
All the code/cw amateurs that want code/cw to be part of testing and
operation need to wake up as do the no code/cw amateurs code needs to go
and proper manners need to be improved, We all need to help the
manufactures to promote amateur radio and get more of the public
interested and involved in amateur radio not to increase sales but to
keep the frequencies we have and to keep amateur radio ALIVE.
Come on now people amateurs/ham's men and women and teens lets get the
band wagon going and keep our hobby/passion alive and well and we need
to police our air-ways and help the fcc to get rid of the abusers the
foul language and dead carriers the trouble makers the one's that give
amateur radio a bad name off the air.
SAVE Amateur Radio promote it work to make it grow, work to make it Live

for another hundred years or longer and as for me I have been getting my children hooked on amateur radio and hope the carry it on after Im gone.

From -4711623126977815248
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
From: Mark Keith <nm5k@wt.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/02
Message-ID: <35C4D224.D45@wt.net>#1/1
X-Deja-AN: 377292640
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com> <6o7vjs$a35$1@news1.sol.no> <35C488D7.257E@telepath.com>
Content-Type: text/plain; charset=us-ascii
Organization: World Trade Network, Inc.
Mime-Version: 1.0
Reply-To: nm5k@wt.net
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

> Come on now people amateurs/ham's men and women and teens lets get the band wagon going and keep our hobby/passion alive and well and we need to police our air-ways and help the fcc to get rid of the abusers the foul language and dead carriers the trouble makers the one's that give amateur radio a bad name off the air.

Now, thats a earfull! Have you ever tried contacting the fcc to get rid of illegal op's? If you have you will know that it doesn't work. If we hear a illegal station, would would you suggest we do? We have had problems on the local repeaters here and have called the fcc until we are purple in the face and little gets done. After about 5 years of bugging them, they finally showed up. They got after one guy that a local had nabbed live and in color sitting in his car. Not a whole lot really happened, and all the worst offenders remain trashing the repeaters. What would you suggest we do about foul language if the fcc refuses to file because of first ammendmant rights? Dead carriers? I outcarrier them... I've found the fcc to be fairly useless as far as enforcement. Not their fault, they don't have the funds /man/woman power. I can think of a real good way to get the goofballs off the radio, but it pretty much entails me beating the crap out of them. Then, I will probably be the one in legal trouble. I can tell by your statements you don't have too much experiance dealing with the fcc. Also no way to self police if we can't make a legal radio citizens arrest. In other words, we can't do it with the present system. MK

From 8259222024479964635
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: Mark Keith <nm5k@wt.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/02
Message-ID: <35C4CD8B.4A7D@wt.net>#1/1
X-Deja-AN: 377292641
Content-Transfer-Encoding: 7bit
References: <6pi77g$pau@dolphin.cannet.com> <xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com> <6pvfep$g7a$1@news-in.anc.net> <35C3F1E8.372CB1AB@swbell.net> <35ED4190.1851A192@netdoor.com>
Content-Type: text/plain; charset=us-ascii
Organization: World Trade Network, Inc.
Mime-Version: 1.0
Reply-To: nm5k@wt.net
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Butch Magee wrote:
>
> Gotta tell you Dads' out there, the Novice Ticket makes a wonderfull father and
> son/daughter project. Try it. Don't get discouraged because the kids just "soak
> up" the code like a spong and you have to work at it. Thats just the way it is.
> Kids have NO problem kicking your behind on code.

Yep, thats because they lack the negative mindset to learning code. It's all in the brain. If you think you will hate code, you will. MK

From 4957529891802689134
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
From: richm@ucesucks.mulveyr.roc.servtech.com (Rich)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/02
Message-ID: <slrn6s9t9k.p6l.richm@ll.aa2ys.ampr.org>#1/1
X-Deja-AN: 377326950
References: <6pi77g$pau@dolphin.cannet.com> <xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com> <6pvfep$g7a$1@news-in.anc.net> <35C3F1E8.372CB1AB@swbell.net> <35ED4190.1851A192@netdoor.com> <35C4CD8B.4A7D@wt.net>
Organization: Mulvey Home Node
Reply-To: mulveyr@ucesucks.mulveyr.roc.servtech.com
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

On Sun, 02 Aug 1998 15:35:23 -0500, Mark Keith <nm5k@wt.net> wrote:
>Yep, thats because they lack the negative mindset to learning code. It's
>all in the brain. If you think you will hate code, you will. MK

Not quite. Particularly between the ages of 6-11, children have the ability to acquire languages and communications methods at rates far exceeding those of adults. Making the assertion that a "negative mindset" is the culprit may be emotionally satisfying if you have a pro-Morse test agenda to promote, but ignores a lot of physiological mechanisms behind how people learn.

-Rich

--
Rich Mulvey
My return address is my last name,
followed by my first initial, @mulveyr.roc.servtech.com
http://mulveyr.roc.servtech.com
Amateur Radio: aa2ys@wb2wxq.#wny.ny.usa

```
From 5810522781495274304
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: cyberscott <n5clk@swbell.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/02
Message-ID: <35C502EB.10BF2A53@swbell.net>#1/1
X-Deja-AN: 377334067
Content-Transfer-Encoding: 7bit
References: <6pi77g$pau@dolphin.cannet.com>
<xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com> <6plnbg$d8$1@fu-berlin.de>
<35BE71F0.4C53@ccnet.com> <35BECD4A.97040DAF@swbell.net>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: usenet@nnrp1
X-Trace: (null) 902103753 26324 (None) 209.184.1.91
Organization: Southwestern Bell Internet Services, Richardson, TX
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc
```

Its amazing how we always want to lower our standards so that people can join the ranks. Why don't we just do away with things like algebra or english lit. in our schools, that way everyone could get their degree. I mean I have really never had much use for the 3 years of algebra that I took. My current career doesn't make use of it. English lit., well, that speaks for itself. The fact is that people just don't want to work at anything these days. They want it all for the minimum amount of effort. Sure you say the manufactures need more people to feed their market, or people with dyslexia are handicapped, but 20 years ago this wasn't even a big issue. Frankly, excuses are like asshole, everybody has one! We gave an inch with the no code and now they want a mile! I urge everyone to speak up, not only to the ARRL, but to your congressmen and senators. We worked hard for our HF privileges and now we are letting them slip away to anyone who wants them.

We welcome new people to the hobby, it is the only way to keep it alive. We understand the process of learning code can be intimidating but it is not impossible for anyone. Some of you guys wanting to drop the code should be ashamed of yourselves! What kind of example are we setting for or children when we present an example that lowering standards is okay to accommodate slow learners. Being a slow learner doesn't mean someone can't learn it just means it may take 2 weeks instead of 1 to learn the code. Should we do the same for our academic standards in our high schools and universities?

If we loose it then we are all to blame. The OT's that let it slip away, and the newcomers that worked to take it away.

DISGUSTING

cyberscott wrote:

> Well said
>
> T E I X E I R A wrote:
>
> > Why should we have to "Justify" CW.... 99.99% of everything transmitted
> > on all of the phone modes is "garbage"... When was the last time you
> > heard anything of real value on phone?
> >
> > It's that .001% that counts..... It's the same with CW.
> >
> > Cheers,
> > dt

From 1775101687000184287
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
From: W6RCecilA <w6rca@ibm.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/02
Message-ID: <35C5147C.26A3@ibm.net>#1/1
X-Deja-AN: 377348451
Content-Transfer-Encoding: 7bit

References: <6pi77g$pau@dolphin.cannet.com>
<xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com> <6plnbg$d8$1@fu-berlin.de>
<35BE71F0.4C53@ccnet.com> <35BECD4A.97040DAF@swbell.net>
<35C502EB.10BF2A53@swbell.net>
X-Notice: should be reported to postmaster@ibm.net
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: postmaster@ibm.net
X-Trace: 3 Aug 1998 01:40:58 GMT, 129.37.227.70
Organization: IBM.NET
MIME-Version: 1.0
Reply-To: w6rca@ibm.net
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

cyberscott wrote:
> We worked hard for our HF privileges and now
> we are letting them slip away to anyone who wants them.

Years ago, I paid $3000 for a 4.7MHz PC with only floppy drives. My friend just paid $1000 for a 200MHz Pentium PC laptop with 2G hard drive and CD ROM drive. Should I be jealous of him? Times change. Why should he pay as much as I did. Your HF privileges are not "slipping away" anymore than my PC above slipped away when my friend bought a better machine for less. Do you feel the same way about people who win the lottery? You don't have any less money even though they got something for almost nothing.

> We welcome new people to the hobby, ...

After they jump through the hazing hoops.

> Should we do the same for
> our academic standards in our high schools and universities?

Nope, but then professional endeavors and amateur hobbies have never had much in common.
--
73, Cecil, W6RCA   http://people.delphi.com/CecilMoore

From -1553560242335636523
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public

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X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
From: cyberscott <n5clk@swbell.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/03
Message-ID: <35C54DF7.EDEDE24@swbell.net>
X-Deja-AN: 377395879
References: <6pi77g$pau@dolphin.cannet.com>
<xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com> <6plnbg$d8$1@fu-berlin.de>
<35BE71F0.4C53@ccnet.com> <35BECD4A.97040DAF@swbell.net>
<35C502EB.10BF2A53@swbell.net> <35C5147C.26A3@ibm.net>
To: w6rca@ibm.net
Content-Type: multipart/alternative; boundary="------------
ADD83D4D9979ECD5C9B6002E"
X-Complaints-To: usenet@nnrp3
X-Trace: (null) 902122967 21957 (None) 209.184.1.225
Organization: Southwestern Bell Internet Services, Richardson, TX
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc


--------------ADD83D4D9979ECD5C9B6002E
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit



W6RCecilA wrote:

> cyberscott wrote:
> > We worked hard for our HF privileges and now
> > we are letting them slip away to anyone who wants them.
>
> Years ago, I paid $3000 for a 4.7MHz PC with only floppy drives. My friend
> just paid $1000 for a 200MHz Pentium PC laptop with 2G hard drive and CD
> ROM drive. Should I be jealous of him? Times change. Why should he pay as
> much as I did. Your HF privileges are not "slipping away" anymore than my
> PC above slipped away when my friend bought a better machine for less. Do
> you feel the same way about people who win the lottery? You don't have any
> less money even though they got something for almost nothing.
>
> > We welcome new people to the hobby, ...
>
> After they jump through the hazing hoops.
>
> > Should we do the same for
> > our academic standards in our high schools and universities?
>
> Nope, but then professional endeavors and amateur hobbies have never had much
```

> in common.

Neither have the price of technology, lotteries and code requirements.

> I'm not talking about lossing HF privliges and I appologize for wording it to
> give that impression.

What I am speaking about is that small barrier that separates people who have the self discipline enough to jump a hurdle instead of crawling under it. It sets a standard that invites the type of individual who doesn't require much policing. Someone who has worked for a privilege and wants to take care of it. Granted, amateur radio is not void of some huge problems. I hear a lot of racist crap on the low bands, jamming, obscenities etc. but for the most part the amateur bands are in fair shape (I only operate HF, so I can't in include 50+mhz in that statement). I have noticed that most of the rise in the amateur problems have increased over the past 10-15 years. I'm not sure what that means. Maybe someone can come up with an explanation.

If it were up to me, I would do away with any technical knowledge required for a license. In this day of plug and play technology who needs to know how a transistor works or how to plot a smith chart. The written is equally as difficult for me as the code is to some people. Is that next? Will it come to the point that all one has to do is send in an application for a call sign?

73
Brent Scott, N5CLK

P.S. can anyone tell me why when I look for my old call sign on call sign databases it doesn't come up with a cross reference to my new call?

> --
> 73, Cecil, W6RCA   http://people.delphi.com/CecilMoore

```
--------------ADD83D4D9979ECD5C9B6002E
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<HTML>
&nbsp;

<P>W6RCecilA wrote:
<BLOCKQUOTE TYPE=CITE>cyberscott wrote:
<BR>> We worked hard for our HF privileges and now
<BR>> we are letting them slip away to anyone who wants them.

<P>Years ago, I paid $3000 for a 4.7MHz PC with only floppy drives. My
friend
<BR>just paid $1000 for a 200MHz Pentium PC laptop with 2G hard drive and
CD
<BR>ROM drive. Should I be jealous of him? Times change. Why should he
pay as
```

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<BR>much as I did. Your HF privileges are not "slipping away" anymore than
my
<BR>PC above slipped away when my friend bought a better machine for less.
Do
<BR>you feel the same way about people who win the lottery? You don't have
any
<BR>less money even though they got something for almost nothing.

<P>> We welcome new people to the hobby, ...

<P>After they jump through the hazing hoops.

<P>> Should we do the same for
<BR>> our academic standards in our high schools and universities?

<P>Nope, but then professional endeavors and amateur hobbies have never
had much
<BR>in common.</BLOCKQUOTE>
Neither have the price of technology, lotteries and code requirements.
<BLOCKQUOTE TYPE=CITE>I'm not talking about lossing HF privliges and I
appologize for wording it to give that impression.</BLOCKQUOTE>
What I <I>am</I> speaking about is that small barrier that separates people
who have the self discipline enough to jump a hurdle instead of crawling
under it.&nbsp; It sets a standard that invites the type of individual
who doesn't require much <I>policing</I>.&nbsp; Someone who has worked
for a privilege and wants to take care of it.&nbsp; Granted, amateur radio
is not void of some huge problems.&nbsp; I hear a lot of racist crap on
the low bands, jamming, obscenities etc. but for the most part the amateur
bands are in fair shape ( I only operate HF, so I can't in include 50+mhz
in that statement).&nbsp; I <I>have</I> noticed that most of the rise in
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not sure what that means. Maybe someone can come up with an explanation.

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for a license.&nbsp; In this day of plug and play technology who needs
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Is that next?&nbsp; Will it come to the point that all one has to do is
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<BR>Brent Scott, N5CLK

<P>P.S. can anyone tell me why when I look for my old call sign on call
sign databases it doesn't come up with a cross reference to my new call?&nbsp;
<BLOCKQUOTE TYPE=CITE>--
<BR>73, Cecil, W6RCA&nbsp;&nbsp; <A HREF="http://people.delphi.com/
CecilMoore">http://people.delphi.com/CecilMoore</A></BLOCKQUOTE>
&nbsp;</HTML>

--------------ADD83D4D9979ECD5C9B6002E--
```

From -1652264626227863987
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
From: Edward Hazell <ejhazell@vselect.demon.co.uk>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/03
Message-ID: <6ott6HAjwgx1EwgK@vselect.demon.co.uk>#1/1
X-Deja-AN: 377588773
X-NNTP-Posting-Host: vselect.demon.co.uk:212.228.80.137
References: <6pi77g$pau@dolphin.cannet.com>
<xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com> <6pvfep$g7a$1@news-in.anc.net>
X-Complaints-To: abuse@demon.net
X-Trace: news.demon.co.uk 902172482 nnrp-07:14493 NO-IDENT
vselect.demon.co.uk:212.228.80.137
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <6pvfep$g7a$1@news-in.anc.net>, Us 2 <HeyYou2@bigfoot.com>
writes
>When I first got my ticket - I thought there was no use for CW either. Then
>10mtrs closed and it was all that was left. I sat and listened to 40mtrs -
>learned cw and started to enjoy it. Now can send and recieve over 30wpm by
>hand.   Once you learn it you will enjoy it. Or at least that's the way it
>worked here.
>
>N3JFF
>Ted Lee wrote in message ...
>>I think that the CW test should be replace with a HF packet network
>>management test.
>>
>>I still can think of any really use for CW now a days.
>>
>>Everybody has drop the used of CW in military, coast guard,
government, and
>>all other areas of communications where getting the message out is

```
>>important.
>>
>>
>>What is an hf packet management test,and what would it prove,that you
can plug it in and turn it on ? then what ? ,how will it help with
regards to the 'phone bands (which would soon become unworkable,clogged
up and full of argueing as to who has the right to the frequency that
several calls are trying to use all at once).Think of how many cw
stations could work in the same area without any problems.But
then,making remarks like that must prove you have not the slightest
understanding of the use of morse.I do wish you guys would either work
to achieve the necessary standard or go back to c.b.
>>g0hau..TONBRIDGE..

>
>

--
Edward Hazell




From 6604587694763779390
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
From: Susan Meckley <suemeckley@earthlink.net>
Subject: DX-pedition planning
Date: 1998/08/03
Message-ID: <35C681E6.5C3F@earthlink.net>#1/1
X-Deja-AN: 377705018
Content-Transfer-Encoding: 7bit
References: <6pi77g$pau@dolphin.cannet.com>
<xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com> <6pvfep$g7a$1@news-
in.anc.net> <6ott6HAjwgx1EwgK@vselect.demon.co.uk>
Content-Type: text/plain; charset=us-ascii
Organization: Sailing Vessel  Menage-A-Trois
Mime-Version: 1.0
Reply-To: suemeckley@earthlink.net
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
```

.amateur.misc

I am planning on sailing to south pacific for live-long dx pedition.
I do not plan on comming back. Instead I want to do like Danny Greene
did in the 50's and 60's on his yacht "Yasmi".

Am I correct in thinking that Hams might want to fly out to where I am
and crew on the next let....and of course operate /MM and at the next dx
spot?

Any suggestions as to which spots to 'put on the air ' first.

Susan Meckley W7KFI/MM2   S.V. Menage-A-Trois (46' cutter rigged)

From 7000850387349969102
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
From: AC6V <ac6v@ix.netcom.com>
Subject: Re: DX-pedition planning
Date: 1998/08/03
Message-ID: <35C689F3.4BFD@ix.netcom.com>#1/1
X-Deja-AN: 377710775
Content-Transfer-Encoding: 8bit
References: <6pi77g$pau@dolphin.cannet.com> <xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com> <6pvfep$g7a$1@news-in.anc.net> <6ott6HAjwgx1EwgK@vselect.demon.co.uk> <35C681E6.5C3F@earthlink.net>
To: suemeckley@earthlink.net
Content-Type: text/plain; charset=iso-8859-1
Organization: Author
X-NETCOM-Date: Mon Aug 03 11:12:01 PM CDT 1998
Mime-Version: 1.0
Reply-To: ac6v@ix.netcom.com
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Susan Meckley wrote:
>

```
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>
> Am I correct in thinking that Hams might want to fly out to where I am
> and crew on the next let....and of course operate /MM and at the next dx
> spot?
>
> Any suggestions as to which spots to 'put on the air ' first.
>
> Susan Meckley  W7KFI/MM2    S.V. Menage-A-Trois  (46' cutter rigged)
-------
Ahoy -- Good Ship Menage-A-Troi
Avast ye DX Lubbers, and where might ye be sailing fer??
Skull Island sez ye, shiver me timbers buts thats the home of
K1NG K�NG and he don't low no Dxpeditions there.
Better plan on Fantasy Isle -- dey got Da Plane Da Plane!!
Or one might furl the scuppers and head for
Tabacco Spit next to Mary Cay

Avoid Grief Reef sez I
A good CW spot might be QueEss Cay
But Avoid Pay Atoll and Bootlegger's Strait, however
But Have a Bon Voyagee Maties sez I.

Me thinks your post is akin to Troll Atoll, Maties

73
Rod -  land Locked in San Diego

BTW - Who's Robert???

--
AC6V INDEX TO DX AND HAM RADIO
FEATURING 70 PAGES AND 2000 LINKS
http://www.ac6v.com/ -- Home Page
http://www.ac6v.com/pageas.html  -- Alphabetical Index



From 8596936166365608221
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
```

X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: kh2d@my-dejanews.com (Jim)
Subject: Re: DX-pedition planning
Date: 1998/08/03
Message-ID: <6q6ije$ql2$1@brokaw.wa.com>#1/1
X-Deja-AN: 377769146
References: <6pi77g$pau@dolphin.cannet.com>
<xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com> <6pvfep$g7a$1@news-in.anc.net> <6ott6HAjwgx1EwgK@vselect.demon.co.uk> <35C681E6.5C3F@earthlink.net>
Organization: NorthWest Nexus Inc.
Reply-To: kh2d@my-dejanews.com
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Susan Meckley <suemeckley@earthlink.net> wrote:

>I am planning on sailing to south pacific for live-long dx pedition.
>I do not plan on comming back. Instead I want to do like Danny Greene
>did in the 50's and 60's on his yacht "Yasmi".

Unfortunatly, that happens to a lot of cruisin' hams..... But
most of them WERE planning on coming back....

>Am I correct in thinking that Hams might want to fly out to where I am
>and crew on the next let....and of course operate /MM and at the next dx
>spot?

I doubt it. But I'm sure you could find some cruzers that want to
go along. Check the inter island net on 14.315 at 0800z daily, I
think you'll find somebody to go along for the ride. When you get to
the DX spot, please don't operate /MM. Put your feet on the beach.
If you operate /MM you'll become famous like Don Miller, not like
Lloyd and Iris.

>Any suggestions as to which spots to 'put on the air ' first.

Yes, I'd recommend P5. I think that would probably be very popular with
everyone you speak to on the radio. Don't forget to enlist a QSL manager
before you go, and take along an Inmarsat terminal so you can email
back the logs. Have a nice trip.

>Susan Meckley W7KFI/MM2   S.V. Menage-A-Trois (46' cutter rigged)

73, Jim KH2D   N.S.V. Typhoon Proof (48' concrete house)

From -7112474134774616367
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f98fbb9d53a7d968,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,f98fbb9d53a7d968,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,f98fbb9d53a7d968,start
X-Google-Attributes: gid107ada,public
From: kh2d@my-dejanews.com (Jim)
Subject: Re: Mods for Icom IC-2350
Date: 1998/08/03
Message-ID: <6q6jt6$r01$4@brokaw.wa.com>#1/1
X-Deja-AN: 377775164
References: <01bdbf73$f204ff80$734a17cb@roity.john>
Organization: NorthWest Nexus Inc.
Reply-To: kh2d@my-dejanews.com
Newsgroups: rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.misc

"Joe" <mods@roity.com> wrote:

>HI all

>I've found the mod for the IC-2350 online but have had trouble carrying out
>the mod. Could someone please clarify exactly which diode to cut and where
>it is?

>I appreciate your time,

>Thanks,
>Joe

It's D16. On the main circuit board, between R22 and C63.

73, Jim KH2D

From -8022194871069815283
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5

```
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: "Gary Oakes" <Doctree2@hotmail.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/04
Message-ID: <jfux1.2217$Qd4.13834186@news.rdc1.tn.home.com>#1/1
X-Deja-AN: 377685895
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35C488D7.257E@telepath.com> <35C4D224.D45@wt.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: @Home Network
NNTP-Posting-Date: Mon, 03 Aug 1998 19:22:07 PDT
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc
```

The most important thought being lost in all aspects is that ham radio is a hobby. It does have serious sides (ARES/RACES/ARC, ad nauseum) but it should primarily be fun. I agree with a basic code test, in fact I never argued about the current system. It was a rite of passage.

I also enjoy assembling models, yet I do not have silk screening or painting perfected. For those who enjoy code they are free to embellish and enjoy this aspect. Similarly for packet, TV, etc..

When it ceases to be fun, get out. In the meantime let's accentuate the positive aspects of our hobby and quite debating items which will change. Versatility, after all, is what the majority of you have professed in your notes.
Godspeed

```
From 2670665273584783507
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
From: "Ted Lee" <tedlee@canada.com>
```

Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/04
Message-ID: <L4yx1.18430$xs3.15913909@news.rdc1.bc.wave.home.com>#1/1
X-Deja-AN: 377743783
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net>
<35B97DE7.F3F6AAF@swbell.net> <35B9FDCB.643E@ccnet.com>
<35C10739.8647C92@home.com> <01bdbc3b$dc93ad80$4f816ac6@pavilion>
<6prntb$hao@news.cei.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Organization: Hotmail
Reply-To: "Ted Lee" <ve7lee@hotmail.com>
NNTP-Posting-Date: Mon, 03 Aug 1998 23:43:55 PDT
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

If you want to lose the HF bands, just keep CW.

Look at the trends in HF and VHF.

I rest my case.

VE7LEE

From -5955738942709364840
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a77151404df44f03,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a77151404df44f03,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,a77151404df44f03,start
X-Google-Attributes: gid107ada,public
From: "Joe" <mods@roity.com>
Subject: Mods for Icom IC-2350
Date: 1998/08/04
Message-ID: <01bdbf73$f204ff80$734a17cb@roity.john>#1/1
X-Deja-AN: 377748647
Organization: Labyrinth Connections Pty Ltd
Newsgroups: rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.misc

HI all

I've found the mod for the IC-2350 online but have had trouble carrying out the mod. Could someone please clarify exactly which diode to cut and where it is?

I appreciate your time,

Thanks,
Joe

From 4397521692414179593
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: codeman@gj.net
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/04
Message-ID: <35c6f042.0@news.gj.net>#1/1
X-Deja-AN: 377803187
References: <6pi77g$pau@dolphin.cannet.com>
<xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com> <6plnbg$d8$1@fu-berlin.de>
<35BE71F0.4C53@ccnet.com> <35BECD4A.97040DAF@swbell.net>
<35C502EB.10BF2A53@swbell.net>
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

I agree with your thoughts of not lowering standards be it radio or school. However, you can drop old outdated or non use techniques and put in place something of equal importants to keep the standards up and be more useful. Case in point, as far as higher learning in school: Drop the courses on how to operated a mathematic sliderule and put a course on how to program a computer. Twenty years ago, sliderules were widespread and people needed to know how to use one, because the electronic age hadn't come yet. Now that the computer age is here, sliderules are history. So drop the sliderule and put computer programing in its place, you haven't lowered your standards. You can do the same thing with radio license testing.   I view the code testing about the same as learning the sliderule. Interesting but limited to todays world. If someone wants to learn either skill, go for it.

I wish I could have gotten by with only three years of algebra. When I went to college, we started in calculus and it was presumed everyone had a good foundation in algebra. Should we make everyone take calculus just because?

BTW, I am a General class and I learned code, but it was a nine month struggle and I have promptly forgot it. CQ, CQ, CQ.... MY NAME IS, MY QTH IS..... doesn't interest me. Don't miss code either. I am glad that I was exposed to it on the otherhand.

Ross

cyberscott <n5clk@swbell.net> wrote:

>Its amazing how we always want to lower our standards so that people can join
>the ranks. Why don't we just do away with things like algebra or english lit.
>in our schools, that way everyone could get their degree. I mean I have
>really never had much use for the 3 years of algebra that I took. My current
>career doesn't make use of it. English lit., well, that speaks for itself.
>The fact is that people just don't want to work at anything these days. They
>want it all for the minimum amount of effort. Sure you say the manufactures
>need more people to feed their market, or people with dyslexia are
>handicapped, but 20 years ago this wasn't even a big issue. Frankly, excuses
>are like asshole, everybody has one! We gave an inch with the no code and now
>they want a mile! I urge everyone to speak up, not only to the ARRL, but to
>your congressmen and senators. We worked hard for our HF privileges and now
>we are letting them slip away to anyone who wants them.

>We welcome new people to the hobby, it is the only way to keep it alive. We
>understand the process of learning code can be intimidating but it is not
>impossible for anyone. Some of you guys wanting to drop the code should be
>ashamed of yourselves! What kind of example are we setting for or children
>when we present an example that lowering standards is okay to accommodate slow
>learners. Being a slow learner doesn't mean someone can't learn it just means
>it may take 2 weeks instead of 1 to learn the code. Should we do the same for
>our academic standards in our high schools and universities?

>If we loose it then we are all to blame. The OT's that let it slip away, and
>the newcomers that worked to take it away.

>DISGUSTING

>cyberscott wrote:

>> Well said
>>
>> TEIXEIRA wrote:
>>
>> > Why should we have to "Justify" CW.... 99.99% of everything transmitted
>> > on all of the phone modes is "garbage"... When was the last time you
>> > heard anything of real value on phone?
>> >

>> > It's that .001% that counts..... It's the same with CW.
>> >
>> > Cheers,
>> > dt

From -4197521791850626931
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: COP@NET.COM (HAM RADIO @ ITS BEST)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/04
Message-ID: <PxDx1.574$ZJ1.394983@news.mci2000.com>#1/1
X-Deja-AN: 377810697
References: <6pi77g$pau@dolphin.cannet.com>
<xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com> <6plnbg$d8$1@fu-berlin.de>
<35BE71F0.4C53@ccnet.com> <35BECD4A.97040DAF@swbell.net>
<35C502EB.10BF2A53@swbell.net> <35c6f042.0@news.gj.net>
Organization: CCSO
NNTP-Posting-Date: Tue, 04 Aug 1998 12:56:15 GMT
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <35c6f042.0@news.gj.net>, codeman@gj.net wrote:
>I agree with your thoughts of not lowering standards be it radio or
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>but limited to todays world. If someone wants to learn either skill,
>go for it.

Why do you say limited when it is the second most used mode?
>
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>I went to college, we started in calculus and it was presumed everyone
>had a good foundation in algebra. Should we make everyone take
>calculus just because?
>
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>MY QTH IS..... doesn't interest me.   Don't miss code either. I am
>glad that I was exposed to it on the otherhand.
>
>Ross
>
>cyberscott <n5clk@swbell.net> wrote:
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>>handicapped, but 20 years ago this wasn't even a big issue. Frankly, excuses
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>
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>
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>
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```
>>>
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>>>
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>>> >
>>> > It's that .001% that counts.....  It's the same with CW.
>>> >
>>> > Cheers,
>>> > dt
>
>
>
>
>
```

```
From -6988905406592020067
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: codeman@gj.net
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/05
Message-ID: <35c7ae07.0@news.gj.net>#1/1
X-Deja-AN: 378000637
References: <6pi77g$pau@dolphin.cannet.com>
<xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com> <6plnbg$d8$1@fu-berlin.de>
<35BE71F0.4C53@ccnet.com> <35BECD4A.97040DAF@swbell.net>
<35C502EB.10BF2A53@swbell.net> <35c6f042.0@news.gj.net>
<PxDx1.574$ZJ1.394983@news.mci2000.com>
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc

C

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>>computer programing in its place, you haven't lowered your standards.
```

>>You can do the same thing with radio license testing.   I view the
>>code testing about the same as learning the sliderule. Interesting
>>but limited to todays world. If someone wants to learn either skill,
>>go for it.

I say limited basically because most CW people send and receive at a slow speed 5, 13, 20WPM or maybe more?) Yes there is a small percentage of people that can copy at 25+ WPM. CW is like speaking a foreign language and takes lots of practice but usually much slower than voice.   Yes its fun for some and yes there are people that get very good at it. If a person likes the challenge, go for it, just like learing a second or third language. In my example, sliderules can get the job done, but they are slow compaired to todays computers and calculators. Should sliderules classes be mandatory? Or should they be phased out (which they are) and the high standards of whatever licensing program be maintained by introducing the study of new technology fitting to the subject? CW should not necesarrily be foregotton but less importantance should be placed on mastering it. A 5WPM test should suffice for all classes of license would be my recommendation.

I bet you more people are communicating by the new electronic internet than by CW. Face-to-face communication, followed by telephone and then followed by internet would be my first guess at the most used forms of communication. I don't belief CW would make the top 10 list.

>Why do you say limited when it is the second most used mode?
>>

>>
>>cyberscott <n5clk@swbell.net> wrote:
>>
>>>Its amazing how we always want to lower our standards so that people can join
>>>the ranks. Why don't we just do away with things like algebra or english lit.
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>>>The fact is that people just don't want to work at anything these days. They
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>>>understand the process of learning code can be intimidating but it is not
>>>impossible for anyone. Some of you guys wanting to drop the code should be
>>>ashamed of yourselves! What kind of example are we setting for or children
>>>when we present an example that lowering standards is okay to accommodate slow
>>>learners. Being a slow learner doesn't mean someone can't learn it just means

```
>>>it may take 2 weeks instead of 1 to learn the code.  Should we do the same for
>>>our academic standards in our high schools and universities?
>>
>>>If we loose it then we are all to blame.  The OT's that let it slip away, and
>>>the newcomers that worked to take it away.
>>
>>>DISGUSTING
>>
>>>cyberscott wrote:
>>
>>>> Well said
>>>>
>>>> T E I X E I R A wrote:
>>>>
>>>> > Why should we have to "Justify" CW....  99.99% of everything transmitted
>>>> > on all of the phone modes is "garbage"...  When was the last time you
>>>> > heard anything of real value on phone?
>>>> >
>>>> > It's that .001% that counts.....  It's the same with CW.
>>>> >
>>>> > Cheers,
>>>> > dt
>>
>>
>>
>>
>>
```

```
From 5139841769624541048
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
From: lpdavies@bc.seflin.org (Leslie Paul Davies)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/05
Message-ID: <6q9psf$5v1@nntp.seflin.org>#1/1
X-Deja-AN: 378174293
```

References: <6pi77g$pau@dolphin.cannet.com>
<xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com> <6plnbg$d8$1@fu-berlin.de>
<35BE71F0.4C53@ccnet.com> <35BECD4A.97040DAF@swbell.net>
<35C502EB.10BF2A53@swbell.net> <35c6f042.0@news.gj.net> <PxDx1.574$ZJ1.39
Followup-To: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc
Organization: SEFLIN Free-Net
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Of course we should have slip-stick
classes! Here... feel the action on
me Log-Duplex-DeciTrig...

GL
--
Paul W2SYF/4 Ft Lauderdale
"Heisenberg may have slept here... "
Leslie Paul Davies
lpdavies@bc.seflin.org

From -600398305924651521
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
From: jbjr@megabits.net
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/06
Message-ID: <35C9B74C.8CE@megabits.net>#1/1
X-Deja-AN: 378516678
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net>
<35B97DE7.F3F6AAF@swbell.net> <35B9FDCB.643E@ccnet.com>

<35C10739.8647C92@home.com> <01bdbc3b$dc93ad80$4f816ac6@pavilion> <6prntb$hao@news.cei.net> <35C20411.2D11@intel.com>
Content-Type: text/plain; charset=us-ascii
X-Trace: news12.ispnews.com 902412135 27072 207.30.122.82 (6 Aug 1998 14:02:15 GMT)
Organization: ISPNews http://ispnews.com
Mime-Version: 1.0
NNTP-Posting-Date: 6 Aug 1998 14:02:15 GMT
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

I agree with Casey. What's wrong with a little challenge now and then to prove to yourself that you can and to the fraternity that you really want it.

As for justification for CW, I think there will always be a need for it. Imagine for a moment a worldwide catastrophy of some sort and you were able to survive, but your gear didn't. You have nothing but junk and parts left and you have to rebuild something to communicate. A sophisticated ssb unit is out of the question, but a simple oscillator is not. Hmmm, maybe CW isn't such a bad idea after all. John

From 2487055897241197117
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: "Chris Broadbent" <xcfb@bga.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/06
Message-ID: <01bdc16e$62608d20$b3c3a68f@Clavius.us.dell.com>#1/1
X-Deja-AN: 378603394
References: <6pi77g$pau@dolphin.cannet.com> <xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com> <6plnbg$d8$1@fu-berlin.de> <35BE71F0.4C53@ccnet.com> <35BECD4A.97040DAF@swbell.net> <35C502EB.10BF2A53@swbell.net> <35c6f042.0@news.gj.net> <PxDx1.574$ZJ1.394983@news.mci2000.com> <35c7ae07.0@news.gj.net>
Organization: Dell Computer Corporation
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-

radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

codeman@gj.net wrote in article <35c7ae07.0@news.gj.net>...
> C
> ...<SNIP>
> like learing a second or third language. In my example, sliderules
> can get the job done, but they are slow compaired to todays computers
> and calculators. Should sliderules classes be mandatory? Or should
> they be phased out (which they are) and the high standards of whatever
> licensing program be maintained by introducing the study of new
> technology fitting to the subject? CW should not necesarrily be
> foregotton but less importantance should be placed on mastering it. A
> 5WPM test should suffice for all classes of license would be my
> recommendation.
>

While your argument makes sense on the surface, I wager the dropping of (more stringent) CW testing will not be accompanied by an increase in standards elsewhere in the test. I site the history of the testing program here as a clear example of how standards slowly, but surely drop.

It has been my experience that many opposed to the CW requirement simply don't want to spend the extra effort, regardless of the subject. They will be no more accepting of an increased technical requirement than they are the CW requirement. After all, why would most Hams need to know about resistors, transistors, tubes (gasp!), etc. when all they do is go down to RS and buy an HT. Why should they have to learn all that irrelevant stuff? They aren't building radios. All they need to know are operating protocols and a little bit on safe operation.

Give in on the CW requirement and the rest will surely fall. Do you believe the bands will be better after this? I don't. 5 wpm CW is not that hard, really. If, for whatever reason, 5 wpm is unreachable, there's still the Tech license. What with repeaters, packet and satellites, there's more than enough modern research work to do and fun to have on 50MHz and up. Why would anyone doing, for example, spread spectrum work want to be on the 80M band?

If they do succumb to the clamor, I hope they leave a little bandwidth on HF reserved for CW. It needs so little, given it's efficient use of spectrum.

Just my $0.02 worth.

> <SNIP>...

Chris Broadbent (KC5VQL)

NOTE: Remove the x in my reply address (xcfb@bga.com) if you wish to email me.

From 494918744733030863
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
From: Don or Darla Arnold <DArnold@datasync.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/06
Message-ID: <35CA4563.A3DA6A59@datasync.com>#1/1
X-Deja-AN: 378682492
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net>
<35B97DE7.F3F6AAF@swbell.net> <35B9FDCB.643E@ccnet.com>
<35C10739.8647C92@home.com> <01bdbc3b$dc93ad80$4f816ac6@pavilion>
<6prntb$hao@news.cei.net> <35C20411.2D11@intel.com> <35C9B74C.8CE@megabits.net>
To: jbjr@megabits.net
Content-Type: text/plain; charset=us-ascii
Organization: http://www.geocities.com/heartland/valley/6430
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

NO its not a bad idea for what you just said
just get rid of it as a testing method
keep the mode infact you caould even expand teh cw portiion of the
band as far as i am concern..just get rid of it as a test..we dont have
one for rtty to see if you can type 30-35 words
we dont have one for atv to see if you can get a pic on the air
we dont have one for phone to see if you speak the kings english in a
PROPER manner
WHY CODE
don
kb5fhx
nci-1070

```
jbjr@megabits.net wrote:
>
> I agree with Casey. What's wrong with a little challenge now and then
> to prove to yourself that you can and to the fraternity that you really
> want it.
>
>         As for justification for CW, I think there will always be a need for
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--



WEB PAGE UPDATED 01 AUG 98
http://www.geocities.com/Heartland/Valley/6430 personal page

other pages we are involved in
http://hattiesburg.net/columns/index.shtml My Weekly column
http://www.datasync.com/skywarn JOIN THE SKYWARN WEBRING
http://www.qsl.net/kb5zvw Navy mars MS area page




From 2185206227328192014
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
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X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
From: "Rick Pemble" <pemble@ix.netcom.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/06
Message-ID: <6qdhqi$nem@dfw-ixnews3.ix.netcom.com>#1/1
X-Deja-AN: 378686331
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net>
<35B97DE7.F3F6AAF@swbell.net> <35B9FDCB.643E@ccnet.com>
<35C10739.8647C92@home.com> <01bdbc3b$dc93ad80$4f816ac6@pavilion>
<6prntb$hao@news.cei.net> <35C20411.2D11@intel.com> <35C9B74C.8CE@megabits.net>
```

<35CA4563.A3DA6A59@datasync.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Organization: ICGNetcom
X-NETCOM-Date: Thu Aug 06 7:30:10 PM CDT 1998
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc

Listen on 27MHz for a while, thats why.

Don or Darla Arnold wrote in message <35CA4563.A3DA6A59@datasync.com>...
>NO its not a bad idea for what you just said
>just get rid of it as a testing method
>keep the mode infact you caould even expand teh cw portiion of the
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>
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>WEB PAGE UPDATED 01 AUG 98
>http://www.geocities.com/Heartland/Valley/6430 personal page
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>other pages we are involved in
>http://hattiesburg.net/columns/index.shtml My Weekly column
>http://www.datasync.com/skywarn JOIN THE SKYWARN WEBRING
>http://www.qsl.net/kb5zvw Navy mars MS area page

From -7675966609728207162
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: codeman@gj.net
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/07
Message-ID: <35ca6e5c.0@news.gj.net>#1/1
X-Deja-AN: 378718949
References: <6pi77g$pau@dolphin.cannet.com>
<xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com> <6plnbg$d8$1@fu-berlin.de>
<35BE71F0.4C53@ccnet.com> <35BECD4A.97040DAF@swbell.net>
<35C502EB.10BF2A53@swbell.net> <35c6f042.0@news.gj.net>
<PxDx1.574$ZJ1.394983@news.mci2000.com> <35c7ae07.0@news.gj.net>
<01bdc16e$62608d20$b3c3a68f@Clavius.us.dell.com>
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

"Chris Broadbent" <xcfb@bga.com> wrote:

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>> C
>> ...<SNIP>
>> like learing a second or third language. In my example, sliderules
>> can get the job done, but they are slow compaired to todays computers
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>> licensing program be maintained by introducing the study of new
>> technology fitting to the subject? CW should not necesarrily be
>> foregotton but less importantance should be placed on mastering it. A
>> 5WPM test should suffice for all classes of license would be my
>> recommendation.
>>
You say my argument makes sense on the "surface", well so does
everything you have mentioned. So!!!

>While your argument makes sense on the surface, I wager the dropping of

>(more stringent) CW testing will not be accompanied by an increase in
>standards elsewhere in the test. I site the history of the testing program
>here as a clear example of how standards slowly, but surely drop.

There are some people that definitely fit into the catagory you mentioned, I do not fit into that mold however. I have "credit" in 13WPM CW as I have "credit" in three semesters of college calculus. I have no use for either one and find neither one enjoyable or usefull and after acquiring the passing grades(so I can go on and acheive what I really wanted) for both fields of study, have promptly let them go. Haven't missed calculus in 25 years.

There is some truth to the fact that why know the nitty-gritty about capacitors and resistors if there is no radio kits available to assemble anymore? How many radios have you built lately? Or are you running one of those high priced solid state rigs with a solid state amp, beam rotor and all the extras?

I am not one of those that is advocating lowering standards, just changing the testing material to something equally as challenging but usefull for most hams on an everyday bases. You don't need to know calculus to be a brain doctor but perhaps if you want to be a rocket scientist.

>It has been my experience that many opposed to the CW requirement simply
>don't want to spend the extra effort, regardless of the subject. They will
>be no more accepting of an increased technical requirement than they are
>the CW requirement. After all, why would most Hams need to know about
>resistors, transistors, tubes (gasp!), etc. when all they do is go down to
>RS and buy an HT. Why should they have to learn all that irrelevant stuff?
> They aren't building radios. All they need to know are operating
>protocols and a little bit on safe operation.

See my statement above, I have credit in 13WPM and it was ugly from start to finish.

I am not bitter about CW. Really doesn't matter one way or the other to me about testing or not. I have acquired all the privleges I care for. In fact any form of HF doesn't excite me anymore. Researching VHF radio site loctions, land ownership, repeater equipment financing,-acquistion , linking radios, finding the area of coverage and installation interest me much more than..... making very brief HF contacts to far off stations that sound like Donald Duck, through static crashes, thats if the band is up or down, AND then all you get is "you are a 59, see ya". OR someone running a big amp, with a beam overpowering everyone and not even responding to your barefoot weak signal. Hmmmm, lots of fun for lots of input and very little output. To each his own.

It just kills me to hear city folk, while traveling on vacation outside of their small world, trying to get through to a far off

repeater with their little bitty HT and wondering why they are
marginal. I might add that some of these folks are big HF-CW fans, by
listening to some of their conversations with the locals. My $0.02
worth as well.

Ross
N7VWX

>Give in on the CW requirement and the rest will surely fall. Do you
>believe the bands will be better after this? I don't. 5 wpm CW is not
>that hard, really. If, for whatever reason, 5 wpm is unreachable, there's
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>want to be on the 80M band?

>If they do succumb to the clamor, I hope they leave a little bandwidth on
>HF reserved for CW. It needs so little, given it's efficient use of
>spectrum.

>Just my $0.02 worth.

>> <SNIP>...

>Chris Broadbent (KC5VQL)

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From -5864690945107278195
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: codeman@gj.net
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/07
Message-ID: <35ca7127.0@news.gj.net>#1/1

```
X-Deja-AN: 378723836
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net>
<35B97DE7.F3F6AAF@swbell.net> <35B9FDCB.643E@ccnet.com>
<35C10739.8647C92@home.com> <01bdbc3b$dc93ad80$4f816ac6@pavilion>
<6prntb$hao@news.cei.net> <35C20411.2D11@intel.com> <35C9B74C.8CE@megabits.net>
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
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```

jbjr@megabits.net wrote:

>I agree with Casey. What's wrong with a little challenge now and then
>to prove to yourself that you can and to the fraternity that you really
>want it.

If you want a challenge, go to a real college and get a real degree
that will land you a real job. Or climb Mt Everst.

Please tell me where would you get electric power to run your rig if
your worldwide catastrophy occured?   Do you think your electrical
wall socket would still be working? Damn few hams have the capability
to operate when local power is interupted for only brief times
(floods, hurricanes, ice-snow storms etc) Get real! If your
"worldwide catastrophy" occured and I survived, radios would be my
last concern. I would be getting myself a gun and heading to the
easiest food gathering source plus acquiring shelter, fighting off
roving bands of desperate starving people etc,

>   As for justification for CW, I think there will always be a need for
>it. Imagine for a moment a worldwide catastrophy of some sort and you
>were able to survive, but your gear didn't. You have nothing but junk
>and parts left and you have to rebuild something to communicate. A
>sophisticated ssb unit is out of the question, but a simple oscillator
>is not. Hmmm, maybe CW isn't such a bad idea after all. John

```
From 965031609934990166
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
```

X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: W6RCecilA <w6rca@ibm.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/07
Message-ID: <35CB09B4.7F60@ibm.net>#1/1
X-Deja-AN: 378848387
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net>
<35B97DE7.F3F6AAF@swbell.net> <35B9FDCB.643E@ccnet.com>
<35C10739.8647C92@home.com> <01bdbc3b$dc93ad80$4f816ac6@pavilion>
<6prntb$hao@news.cei.net> <35C20411.2D11@intel.com> <35C9B74C.8CE@megabits.net>
<35ca7127.0@news.gj.net>
X-Notice: should be reported to postmaster@ibm.net
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: postmaster@ibm.net
X-Trace: 7 Aug 1998 14:08:36 GMT, 129.37.227.204
Organization: IBM.NET
MIME-Version: 1.0
Reply-To: w6rca@ibm.net
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

codeman@gj.net wrote:
> Damn few hams have the capability
> to operate when local power is interupted ...

Most of my ham friends in AZ have backup systems like
solar panels and/or propane/diesel/gasoline powered
generators in addition to food, water, and weapons.
IMO, all *serious* hams have backup power.
--
73, Cecil, W6RCA   http://people.delphi.com/CecilMoore

From 8647991906441130718
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public

X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: WebMonkey <address@below.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/07
Message-ID: <35CB67FE.6654@below.com>#1/1
X-Deja-AN: 378963513
X-NNTP-Posting-Host: access-6-2.rollanet.org
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com> <6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com> <35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net> <35B97DE7.F3F6AAF@swbell.net> <35B9FDCB.643E@ccnet.com> <35C10739.8647C92@home.com> <01bdbc3b$dc93ad80$4f816ac6@pavilion> <6prntb$hao@news.cei.net> <L4yx1.18430$xs3.15913909@news.rdc1.bc.wave.home.com> <y4Dx1.510$ZJ1.394983@news.mci2000.com>
Content-Type: text/plain; charset=us-ascii
Organization: RollaNet
MIME-Version: 1.0
XPident: news
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

HAM RADIO @ ITS BEST wrote:
>
> In article <L4yx1.18430$xs3.15913909@news.rdc1.bc.wave.home.com>, "Ted Lee" <ve7lee@hotmail.com> wrote:
> >If you want to lose the HF bands, just keep CW.
> >
> >Look at the trends in HF and VHF.
> >
> >I rest my case.
> >
> >VE7LEE
> >
> >
> And yes the SKY IS FALLING!!!! THE SKY IS FALLING!!! EVERYONE NEEDS TO GET
> OUT OF THE POOL NOW!!!!!
>
> What a bunch of shit. We are not going to loose our HF bands. If anything we
> will loose the VHF, UHF and SHF bands because they are sellable. HF is NOT!

i'm curious, why not?

--
A.C. Curtis
KB0WLF

mailto:demoman@rollanet.org
http://www.rollanet.org/~demoman

```
From -6537435943186332759
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: mikebo@MCS.COM (Michael Borowiec)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/07
Message-ID: <6qfvq8$s4p$1@Mars.mcs.net>#1/1
X-Deja-AN: 378990510
References: <6pi77g$pau@dolphin.cannet.com> <35c7ae07.0@news.gj.net>
<01bdc16e$62608d20$b3c3a68f@Clavius.us.dell.com> <35ca6e5c.0@news.gj.net>
Organization: MCSnet, Chicago Area Public Internet Access
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc
```

Regarding the US Amateur Radio license restructuring proposal by the ARRL:

I am currently a General class licensee, and an ARRL member. I obtained my General upgrade this past January. Prior to this, I was a Tech Plus licensee for around ten years, and a Novice before that for two years.

I was tuning across the 40m band last week, and overheard several Advanced and Extra licensees bemoaning the proposal, bleating about how they have already resigned their V.E. status and quit the ARRL. This is stupid! How I wished the discussion were being held in the General sub-band, so some opposing viewpoints could be heard.

I think the existing license structure is flawed. Disallowing Tech Plus operators HF voice below 28 MHz is to prevent them from talking to those who would encourage them to upgrade. This effectively cuts off the Tech Plus from most of the HF community, and has driven a wedge between two large segments of the amateur population. The US code requirements are out-of-line with the rest of the world. I know of many skilled Tech Plus operators who have either sold off their HF equipment, or have quit the hobby entirely - a shame. Clearly, somthing needs to be done.

In attempting to solve the problem, the ARRL may have gone a little too far. For instance, I am concerned that giving a Novice what amounts to a General ticket will remove any incentive to upgrade. Novices and Tech Plus operators should have to pass the General written elements BEFORE getting those HF voice privileges. However, the only alternative to the ARRL's proposal may be to maintain the status quo for many more years, and that is completely unacceptable. I understand that last month, only THREE novice tickets were issued.

Ever demonstrate low band DX to kids? When you make a phone contact, they can hear and understand what is going on. WOW! You're really talking to someone in Russia or the Canary Islands... COOL! Make the same contact in CW and they are lost. CW is alien, and appears to be a formidable obstacle to most people, regardless of the reality. Yes, we're a society of instant gratification - get over it...

Amateur Radio is losing steam and must be revitalized to offset new and exciting modes of communication that have no license requirements (i.e. the ubiquity of the Internet and cellular telephones). Our government has demonstrated a willingness to auction off underutilized radio spectrum to the highest bidder. If there aren't enough amateurs to justify and defend our frequency allocations, they will certainly be diminished.

Does anyone really think "lowering the standards" to 5 WPM code for HF phone privileges will result in a massive influx of CB-type operators? I don't think so! Rather, people with a genuine interest in radio will be given a chance to experience the thrill of making their first DX phone contact. Personally, I think we should retain the Novice, but add Novice HF phone sub-bands in 80, 40 and 20 meters, and dump the Extra Class. (Asbestos underwear on! ;v)

I think the ARRL proposal will go a long way toward increasing public awareness of, and interest in our hobby. I am all for it... YES!

Regards,
Michael Borowiec, N9EUZ

```
From -2680910666218181229
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
```

X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: codeman@gj.net
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/08
Message-ID: <35cbbbd8.0@news.gj.net>#1/1
X-Deja-AN: 379044439
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net>
<35B97DE7.F3F6AAF@swbell.net> <35B9FDCB.643E@ccnet.com>
<35C10739.8647C92@home.com> <01bdbc3b$dc93ad80$4f816ac6@pavilion>
<6prntb$hao@news.cei.net> <35C20411.2D11@intel.com> <35C9B74C.8CE@megabits.net>
<35ca7127.0@news.gj.net> <35CB09B4.7F60@ibm.net>
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc

Congradulations to you Cecil and too all your friends for having
backup power. Excellent!!! I also have backup power (solar) and all
three of my VHF repeaters are solar powered.

I would be interesting just what percentage of licensed Hams have
backup power systems like you have defined?

W6RCecilA <w6rca@ibm.net> wrote:

>codeman@gj.net wrote:
>> Damn few hams have the capability
>> to operate when local power is interupted ...

>Most of my ham friends in AZ have backup systems like
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>--
>73, Cecil, W6RCA   http://people.delphi.com/CecilMoore

From -6918250876826720522
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5

X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
From: T Hwang <2810311762@home.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/08
Message-ID: <35CBBEC7.3750E240@home.com>#1/1
X-Deja-AN: 379044440
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net>
<35B97DE7.F3F6AAF@swbell.net> <35B9FDCB.643E@ccnet.com>
<35C10739.8647C92@home.com> <01bdbc3b$dc93ad80$4f816ac6@pavilion>
<6prntb$hao@news.cei.net> <L4yx1.18430$xs3.15913909@news.rdc1.bc.wave.home.com>
Content-Type: text/plain; charset=us-ascii
Organization: @Home Network
MIME-Version: 1.0
NNTP-Posting-Date: Fri, 07 Aug 1998 19:58:17 PDT
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Hi,
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I wonder what the trend is. There are lots of CW trafiic on HF bands.
Unless CW is banned(outlawed), I am on CW 99.9999999% I do have a
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that dang microphone. My family would try to kill me for disturbing
peace in the house, hi. CW and headphone, noone is disturbed.
CW is music to me, a form of arts, a way to meditate. Listen to a good
fist and enjoy!!!
Have a great week end, 73,
Tony, VE6CGX, Fists #3919

Ted Lee wrote:
>
> If you want to lose the HF bands, just keep CW.
>
> Look at the trends in HF and VHF.
>
> I rest my case.
>
> VE7LEE

From -1178945027752876505
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
From: Edward Hazell <ejhazell@vselect.demon.co.uk>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/08
Message-ID: <mLnaSFADsDz1EwBU@vselect.demon.co.uk>#1/1
X-Deja-AN: 379148721
X-NNTP-Posting-Host: vselect.demon.co.uk:212.228.80.137
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net>
<35B97DE7.F3F6AAF@swbell.net> <35B9FDCB.643E@ccnet.com>
<35C10739.8647C92@home.com> <01bdbc3b$dc93ad80$4f816ac6@pavilion>
<6prntb$hao@news.cei.net> <L4yx1.18430$xs3.15913909@news.rdc1.bc.wave.home.com>
<35CBBEC7.3750E240@home.com>
X-Complaints-To: abuse@demon.net
X-Trace: news.demon.co.uk 902582806 nnrp-04:26963 NO-IDENT
vselect.demon.co.uk:212.228.80.137
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <35CBBEC7.3750E240@home.com>, T Hwang <2810311762@home.com>
writes
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>CW is music to me, a form of arts, a way to meditate. Listen to a good
>fist and enjoy!!!
>Have a great week end, 73,
>Tony, VE6CGX, Fists #3919
>I agree with that.I get dried up on voice (2 mtrs)
A good fist IS a joy to listen to,even if it may be too fast to read.It
also gets over the language problems...73s g0hau No.0277..
>Ted Lee wrote:
>>
>> If you want to lose the HF bands, just keep CW.
>>

>> Look at the trends in HF and VHF.
>>
>> I rest my case.
>>
>> VE7LEE

--
Edward Hazell

From -4835798036888893462
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
From: Al Dolgosh <al.dolgosh@hamradio.org>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/08/08
Message-ID: <35CC572D.1BC9@hamradio.org>#1/1
X-Deja-AN: 379151711
Content-Transfer-Encoding: 7bit
References: <6pi77g$pau@dolphin.cannet.com> <35c7ae07.0@news.gj.net>
<01bdc16e$62608d20$b3c3a68f@Clavius.us.dell.com> <35ca6e5c.0@news.gj.net>
<6qfvq8$s4p$1@Mars.mcs.net>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@apk.net
X-Trace: plonk.apk.net 902584104 20222 207.54.181.54 (8 Aug 1998 13:48:24 GMT)
Organization: APK Net
Mime-Version: 1.0
Reply-To: al.dolgosh@hamradio.org
NNTP-Posting-Date: 8 Aug 1998 13:48:24 GMT
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Michael Borowiec wrote:
>
>.......................
> I think the existing license structure is flawed. Disallowing Tech Plus
> operators HF voice below 28 MHz is to prevent them from talking to those
> who would encourage them to upgrade. This effectively cuts off the Tech

> Plus from most of the HF community, and has driven a wedge between two
> large segments of the amateur population. The US code requirements are
> out-of-line with the rest of the world. I know of many skilled Tech Plus
> operators who have either sold off their HF equipment, or have quit the
> hobby entirely - a shame. Clearly, somthing needs to be done.
>
>..............................
> Regards,
> Michael Borowiec, N9EUZ

"Disallowing Tech Plus operators HF voice....." - is an example of the "I want it all" mindset! They aren't being disallowd anything they can't earn by applying themselves to learn something further. Learning some more CW isn't like demonstrating the ability to perform unrelated brain surgery. CW is related to communications. Everyone is trying to redefine what the term "related skills" means.

Tech licensees have been successfully upgrading for years without having HF phone priveleges. Why do you think they will stop upgrading now?? The only reason I can think of is the "dumbing down" of America's youth by "allowing" them priveleges without teaching them how to earn them.

And....the only way that "US code requirements are out-of-line with the rest of the world" is that we use a graduated system to establish "incentives" to improve oneself. The "rest of the world" requires CW for amateur licensing - now some of us are proposing to eliminate the requirement. It seems to me that the US would then be the one who is out of step.

The whole CW discussion is only a red herring to justify the avoidance of applying extra effort to gain extra rewards.

Al - K8EUR

```
From 1898254546528128578
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
From: mikebo@MCS.COM (Michael Borowiec)
```

Subject: A new restructuring proposal...
Date: 1998/08/10
Message-ID: <6qm33r$3nf$1@Mars.mcs.net>#1/1
X-Deja-AN: 379618899
References: <6pi77g$pau@dolphin.cannet.com> <35ca6e5c.0@news.gj.net> <6qfvq8$s4p$1@Mars.mcs.net> <35CC572D.1BC9@hamradio.org>
Organization: MCSnet, Chicago Area Public Internet Access
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <35CC572D.1BC9@hamradio.org>,
Al Dolgosh <al.dolgosh@hamradio.org> wrote:

> "Disallowing Tech Plus operators HF voice....." - is an example of the "I want it all" mindset! They aren't being disallowd anything they can't earn by applying themselves to learn something further.

Don't give them EVERYTHING! There are LOTS of options, but what is key is the ability to CONVERSE on phone with hams of all license classes around the world. Give them a CHANCE to get bitten by the DX phone bug, and dangle more bandwidth and power in front of them, and they WILL upgrade. Right now, Tech Pluses are CUT OFF from HF phone below 28Mhz, and this is NOT a good way to entice or facilitate encouragement.

It's the seperate Advanced and Extra class I think ought to be eliminated. For instance, I would have proposed something like this:

CLASS	Frequency Allocations	Exam Elements Required
A	All frequencies	1C, 4A + some 4B
B	General & Advanced	1B, 3B + some 4A
C	General, limited to 100w out	1A, 2, 3A + some 3B
D	No code Tech & Tech+ 10m phone	2, 3A

Extras become Class A, Advanced become Class B, Generals become Class C (with power over 100 watts grandfathered for existing licensees), and everyone else becomes Class D. You must pass the revised written elements to get the next higher class of license. Noone but the very few Extras lose ANYTHING, and they only lose exclusive use of very small sub-bands!

- This makes the "advanced" class A truly something special without reserving HUGE portions of bands for only a few.

- It gives Generals access to the large Advanced sub-bands in exchange for a harder written exam.

- It gives Tech Pluses power-limited access to General HF phone & CW bands in exchange for a harder written exam.

- It gives no-code Techs access to 10m phone in exchange for some HF questions. (or maybe not depending on International agreements).

Sure, this isn't perfect, but the details can be worked out. I'd like to see EVERY class of Amateur licensee able to have the thrill of HF phone DX contacts, sampling the full range of operating experiences.

> Tech licensees have been successfully upgrading for years without having HF phone priveleges. Why do you think they will stop upgrading now??
>

Read QST... They are NOT upgrading in sufficient numbers to keep this hobby healthy. I'm not talking about "dumbing down". I'm talking about giving someone who demonstrated 5WPM CW proficiency some HF phone beyond the token privileges on the sporadic 10m band. What is the BIG DEAL!

> And....the only way that "US code requirements are out-of-line with the rest of the world" is that we use a graduated system to establish "incentives" to improve oneself. The "rest of the world" requires CW for amateur licensing - now some of us are proposing to eliminate the requirement. It seems to me that the US would then be the one who is out of step.
>

I wasn't suggesting the elimination of the code. It DOES serve a purpose. However, I am arguing that the current license structure is flawed because it isolates an entire group of hams in the VHF/UHF portion of the spectrum just because they don't want to use CW. Why make people become proficient at the difficult 13WPM level just to use HF phone? This is a hurdle for the sake of a "weeding-out" factor that is totally unnecessary. There will NOT be a huge influx of CB operators if you retain the 5 WPM requirement. If there is a huge influx, it will be made up of people with a genuine desire to progress in radio.

> The whole CW discussion is only a red herring to justify the avoidance of applying extra effort to gain extra rewards.
>

Baloney! I worked hard for my General, and I don't like the idea of giving a General ticket to Novice and Tech Plus operators who haven't demonstrated knowlege by passing General written elements. I am suggesting that we ought to open the HF phone "door" to tens of thousands of disenfranchised Tech Pluses out there. Give them a taste of what they are missing, thereby creating incentive instead of RESENTMENT.

Current comment on the ARRL proposal is running 2 to 1 in favor of...
If we don't make alternative suggestions that make sense, you might not like the alternative.

Regards,
- Mike, N9EUZ

```
From -4427451471773825904
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,382a5c64c37a5589,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,382a5c64c37a5589,start
X-Google-Attributes: gidfa656,public
```

X-Google-Thread: fc2a5,382a5c64c37a5589,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f76e2,382a5c64c37a5589,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,382a5c64c37a5589,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108122,382a5c64c37a5589,start
X-Google-Attributes: gid108122,public
From: "N8QNU" <34txxse@nospam.cmuvm.csv.cmich.edu>
Subject: WTB: 6m equipment
Date: 1998/08/12
Message-ID: <6qr8rn$a3r@alpha.delta.edu>#1/1
X-Deja-AN: 380303691
Organization: Delta College
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.swap

After getting my license and playing on 2m for a while I got sidetracked and have been out of amateur radio for a while. I'm looking to get active again and am looking for some good 6m equipment to use while I study my code. However I am a college student so my budget isn't that big. If anyone has a good 6m rig or plans to build one that a college student could afford please let me know. 73's.

Matthew Srebinski
34txxse@cmuvm.csv.cmich.edu

From 7648311262816001820
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: "Rick" <rickmudd@teleport.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/09

Message-ID: <01bdab52$0b423c00$7b806ac6@pavilion>#1/1
X-Deja-AN: 369903368
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<01bda563$b8fa5200$05d4b526@KGCmptrd.crosslink.net>
<359c07d4.0@news.surfsouth.com> <6o0g7c$j2v$3@camel15.mindspring.com>
NNTP-Posting-Date: Thu, 09 Jul 1998 08:58:23 PDT
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

I'm sure a pilot is the best judge of disaster test results. Thanks for
letting us know!

Sasquatch <therage@mindspring.com> wrote in article
<6o0g7c$j2v$3@camel15.mindspring.com>...
> In article <359c07d4.0@news.surfsouth.com>, "Graham" <tex@mex.com> wrote:
>
> >
> >The flaw in your logic (or lack of it) is the purpose of a national park
is
> >NOT to provide emergency communications in the event of a disaster. That
IS
> >the purpose and focus of amateur radio. Ever heard of field day? What do
you
> >think its' purpose is? If you must be ready to provide emergency
> >communications, then why not be able to do that in as many ways
possible?
> >
> >
> I think sometimes we code and no-code folks inflateth our true worth in
> disastors, NOW that cell phone and digital redundancy handle most
situations..
>
> In fact, I have a buddy that flies for United that sees the ham radio
folks
> at our local "plane crash/disastor" drills as needing-a-life NERDS that
are
> worse than useless. They're IN the WAY of the professional rescuers using
the
> police/fire frequencies..What's needed in these scenarios is NOT a bunch
of
> hams running around with HT's thinking they're BIG SHOTS while tripping
over
> their own shoe laces..
>
> I didn't take the test to "be a part of the action"..I did it because I
like
> talking to other people...BUT even that's been years..I TOO have been
> turned-off by the attitude of ham radio in general..
>
> The best hams are those that are HOME BASED/Stationary during disastor
> situations...
>

>

From 8129871066620529787
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
From: T E I X E I R A <teixeira@ccnet.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/09
Message-ID: <35A4F78D.3C82@ccnet.com>#1/1
X-Deja-AN: 369923549
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<01bda563$b8fa5200$05d4b526@KGCmptrd.crosslink.net>
<359c07d4.0@news.surfsouth.com> <6o0g7c$j2v$3@camel15.mindspring.com>
<01bdab52$0b423c00$7b806ac6@pavilion>
Content-Type: text/plain; charset=us-ascii
Organization: T E I X E I R A
Mime-Version: 1.0
Reply-To: teixeira@ccnet.com
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

"A couple reasons for CW"

#1 CW is an art form that should never be lost.... For this reason alone CW should be a manditory requirement for a Ham license.

#2 There seems to be many experts on CW out there. Most have never been on HF other than a CB radio. The "Fact" is.... when all other modes fail, CW "Will" get through.

#3 In an emergency a battery and some wire will make a simple (Dirty) CW transmitter. The only requirement is you need Hams out there who can send & copy CW!

73's
Don, W6IQ

```
From 1600345128962919186
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
From: terrybu@newman.ens.tek.com (Terry Burge)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/09
Message-ID: <6o3gv7$57n@newman.ens.tek.com>#1/1
X-Deja-AN: 370010922
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359c07d4.0@news.surfsouth.com> <6o0g7c$j2v$3@camel15.mindspring.com>
<01bdab52$0b423c00$7b806ac6@pavilion>
Organization: Tektronix, Inc., Beaverton, OR, USA
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc
```

> I think sometimes we code and no-code folks inflateth our true worth in
> disastors, NOW that cell phone and digital redundancy handle most
situations..

Ever hear of hurracane Andrew and Homestead AFB. Ask them about how their cellphones worked...Not! The only communications available was Ham radio with a few repeaters and simplex. No Police, no fire, no emergency repeaters. They weren't using CW though to my knowledge. But they could have.

```
From 6301659445640335571
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
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X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
```

X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: Curtis M LaFon <n5hdq@wf.quik.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/09
Message-ID: <35A57024.B6C9125C@wf.quik.com>#1/1
X-Deja-AN: 370031367
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359c07d4.0@news.surfsouth.com> <6o0g7c$j2v$3@camel15.mindspring.com>
<01bdab52$0b423c00$7b806ac6@pavilion> <6o3gv7$57n@newman.ens.tek.com>
Content-Type: text/plain; charset=us-ascii
Organization: Quik Internet
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Terry Burge wrote:

> > I think sometimes we code and no-code folks inflateth our true worth in
> > disastors, NOW that cell phone and digital redundancy handle most
> situations..
>
> Ever hear of hurracane Andrew and Homestead AFB. Ask them about how their
> cellphones worked...Not! The only communications available was Ham radio
> with a few repeaters and simplex. No Police, no fire, no emergency repeaters.
> They weren't using CW though to my knowledge. But they could have.

Was that the same on that came back up the Gulf and hit Louisiana..

Next day I spent 4 hours running a health/welfare net. No police
or cell phones involved .. Just me and my ham radio and other Hams.

--

FBI wants to register your guns under BRADY.
You can help repeal BRADY. Info at my site:
http://wf.quik.com/n5hdq
Curtis .. N5HDQ ..

```
From 1988026979197156969
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98587102720bbb7d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,98587102720bbb7d
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10fbd1,98587102720bbb7d
X-Google-Attributes: gid10fbd1,public
X-Google-Thread: fa656,98587102720bbb7d
X-Google-Attributes: gidfa656,public
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X-Google-Attributes: gidffd99,public
X-Google-Thread: fcc6e,98587102720bbb7d
X-Google-Attributes: gidfcc6e,public
From: Lee Allen <n5kxi@ionet.net>
Subject: Re: Looking for Mods to Kenwood TM-V7A and TH-G71A
Date: 1998/07/10
Message-ID: <35A62754.4E3C6EEA@ionet.net>#1/1
X-Deja-AN: 370208324
References: <35A290C6.8FE315F2@jagunet.com>
To: Bill Erney <bill@jagunet.com>
Content-Type: multipart/alternative;
boundary="------------71EF68D2033913914C9E78B4"
Organization: ioNET Inc.
Mime-Version: 1.0
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.amateur.misc,rec.radio.amateur.antenna,rec.radio.amateur.packet,rec.ham-radio.packet


--------------71EF68D2033913914C9E78B4
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
```

What you are asking would make your radio illegal ! To
modify a amateur radio out of band makes it non type
accepted and illegal.
And the old story of " I have a licenses for that service "
won't work.
The licenses is to work that band with a type accepted
radio, not a modified illegal radio.
Just go out and buy a Marine Radio.

Bill Erney wrote:

> I am looking for mods that will enable Kenwood's
> TM-V7A mobile vhf/uhf and the TH-G71A vhf/uhf
> handheld to transmit on the VHF marine band.
> (Possibly WHICH diodes need to be eliminated)
> If you know of such a modification or a web page
> that might contain such info - PLEASE drop me an
> email. It would be very much appreciated.
> Thank you for taking the time to read this posting...

>
> Bill
> bill@jagunet.com

--
Lee
P-35 N38BT
ABS # 327873

```
--------------71EF68D2033913914C9E78B4
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<HTML>
&nbsp;What you are asking would make your radio illegal !&nbsp; To modify
a amateur radio out of band makes it non type accepted and illegal.
<BR>And the old story of " I have a licenses for that service " won't work.
<BR>The licenses is to work that band with a type accepted radio, not a
modified illegal radio.
<BR>Just go out and buy a Marine Radio.

<P>Bill Erney wrote:
<BLOCKQUOTE TYPE=CITE>&nbsp;<TT>&nbsp; I am looking for mods that will
enable Kenwood's</TT>
<BR><TT><B><FONT COLOR="#FF6666">TM-V7A</FONT></B> mobile vhf/uhf and the
<B><FONT COLOR="#FF6666">TH-G71A</FONT></B> vhf/uhf</TT>
<BR><TT>handheld <B><I><U><FONT COLOR="#3366FF">to transmit on the VHF
marine band</FONT></U></I></B>.</TT>
<BR><TT>(Possibly WHICH diodes need to be eliminated)</TT>
<BR><TT>If you know of such a modification or a web page</TT>
<BR><TT>that might contain such info - PLEASE drop me an</TT>
<BR><TT>email. It would be very much appreciated.</TT>
<BR><TT>Thank you for taking the time to read this posting...</TT>

<P><TT>Bill</TT>
<BR><TT>&nbsp;<B><I>bill@jagunet.com</I></B></TT></BLOCKQUOTE>
&nbsp;

<P>--
<BR>Lee
<BR>P-35&nbsp; N38BT
<BR>ABS # 327873
<BR>&nbsp;</HTML>

--------------71EF68D2033913914C9E78B4--
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From -6185105512383589124

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
From: "Graham" <tex@mex.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/10
Message-ID: <35a6b319.0@news2.surfsouth.com>#1/1
X-Deja-AN: 370363272
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com> <359B83DB.6CE64B74@mail.frii.com> <359b98ef.507891@news.total.net> <1xQm1.107$xT.1901853@no-cha> <359c0d00.2898060@news.total.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Trace: 10 Jul 1998 20:34:04 GMT, 204.189.116.26
Organization: Surf South, Inc.
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Who says we HAVE to justify CAW?

Graham
K4XA

From 4318744294350504687
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public

X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: "Graham" <tex@mex.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/10
Message-ID: <35a6b362.0@news2.surfsouth.com>#1/1
X-Deja-AN: 370363273
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359B83DB.6CE64B74@mail.frii.com> <359b98ef.507891@news.total.net>
<1xQm1.107$xT.1901853@no-cha> <359c0d00.2898060@news.total.net>
<35a6b319.0@news2.surfsouth.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Trace: 10 Jul 1998 20:35:51 GMT, 204.189.116.26
Organization: Surf South, Inc.
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

What a time for a type-o! I mean CW.

Graham

Graham wrote in message <35a6b319.0@news2.surfsouth.com>...
>Who says we HAVE to justify CAW?
>
>Graham
>K4XA
>
>

From 7340385612749011896
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
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X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
From: "Torbj�rn Morka" <scanman@online.no>
Subject: Re: JUSTIFICATION FOR CW

```
Date: 1998/07/11
Message-ID: <6o7vjs$a35$1@news1.sol.no>#1/1
X-Deja-AN: 370501166
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
Organization: SOL Internett
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc
```

Rudi Wiedemann skrev i meldingen ...
>cut

Agree!
BUT:
I manage to obtaine my licence and is hereby a full "ham" by knowing the
morse-code.
I choosehowever to only use VHF/UHF and is very rear down to HF-region.
Morse code
is never used for me, only packet or OSCAR.

Nobody can do anything with this. After a few months i decide to spend some
time at HF and
is soon QRP on 20-meter on SSB with some friends, or we try the 80-meter for
chat with some
OZ'ers or SM's Still no morse for me.
I hear something in cw from time to time, but dont care about it.
My expensive program for decoding morse is quite good, i use it and by
reprogramming an
terminal or TNC i am QRP with CW by a PC !

The ticket is clear, you have to know it to get a licence on HF, but you
NEVER have to use it!
I think it sucks !!!
It also prevents many from getting this as a hobby because the morse is an
obstacle !

```
From 2227211210178400863
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
```

X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: Brian Kelly <Kelly@dvol.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/11
Message-ID: <35A791C5.C0DFF559@dvol.com>#1/1
X-Deja-AN: 370513055
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com> <6o7vjs$a35$1@news1.sol.no>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: newsabuse@supernews.com
X-Trace: 900174531 HCA1DV0HD9020CE14C usenet88.supernews.com
Organization: The World's Usenet -- http://www.Supernews.com
Mime-Version: 1.0
Reply-To: Kelly@dvol.com
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

> . . The ticket is clear, you have to know it to get a licence on HF, but you
> NEVER have to use it!

Nobody "has" to get a ham license, nobody "has" to operate cw when the do have a ham license, either. You don't know what you're talking about because you don't know anything about real cw beyond a code test. I've had hundreds of thousands of cw qsos over the years, as many as 1,000 cw qsos on a single contest weekend. Tune 7.000-7.050 some night if you think no ham uses or is not interested in cw.

It's your govrnment which requires the code tests and it's your government which has treaties with a couple hundred other countries in which it has agreed to require code tests for radio amateurs. Go complain to your Foreign Minister about how your lack of usable cw skills is a problem and get back to me when he "fixes" your big problem.

> I think it sucks !!!
> It also prevents many from getting this as a hobby because the morse is an
> obstacle !

Which is good, otherwise the ham spectrum would be flooded with idiots and nobody could use it.

Brian Kelly w3rv

From -2350255631513239576

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: "Torbj�rn Morka" <scanman@online.no>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/11
Message-ID: <6o883i$bli$1@news1.sol.no>#1/1
X-Deja-AN: 370528663
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35A791C5.C0DFF559@dvol.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
Organization: SOL Internett
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Brian Kelly skrev i meldingen <35A791C5.C0DFF559@dvol.com>...
>> . . The ticket is clear, you have to know it to get a licence on HF, but
you
>> NEVER have to use it!
>
>Nobody "has" to get a ham license, nobody "has" to operate cw when the do
have a
>ham license, either. You don't know what you're talking about because you
don't
>know anything about real cw beyond a code test. I've had hundreds of
thousands
>of cw qsos over the years, as many as 1,000 cw qsos on a single contest
weekend.
>Tune 7.000-7.050 some night if you think no ham uses or is not interested
in cw.

Did i say that we _HAD_ to have a license ???

How many percents og all hams use it regularly ??
And would pass a test given "at the door" suddenly ??

From -1461967524883280899
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: "Torbj�rn Morka" <scanman@online.no>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/11
Message-ID: <6o88n5$bo9$1@news1.sol.no>#1/1
X-Deja-AN: 370528664
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35A791C5.C0DFF559@dvol.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
Organization: SOL Internett
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Brian Kelly skrev i meldingen <35A791C5.C0DFF559@dvol.com>...
>> . . The ticket is clear, you have to know it to get a licence on HF, but
you
>> NEVER have to use it!

>It's your govrnment which requires the code tests and it's your government
which
>has treaties with a couple hundred other countries in which it has agreed
to
>require code tests for radio amateurs. Go complain to your Foreign Minister
>about how your lack of usable cw skills is a problem and get back to me
when he
>"fixes" your big problem.

I think someday the WRC "fixes" this one for them self. To bad they have to
spend
time and money just because of some amateurs.
Infact since only ham's uses cw, this is soon an obselete thing we could put
on a museum or somewhere....

>
>> I think it sucks !!!
>> It also prevents many from getting this as a hobby because the morse is
an
>> obstacle !
>
>Which is good, otherwise the ham spectrum would be flooded with idiots and
>nobody could use it.

Is this the reallity ??
Its to bad though, that many other operators concider them selve so perfect
that i
almost pukes. But to prevent happiness i dont do it yet...

From 3032477324125780549
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
From: dnorris@k7nono.com (Remove extra 'no')
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/13
Message-ID: <35a978f2.17312216@news.dancris.com>#1/1
X-Deja-AN: 370877950
Content-Transfer-Encoding: 8bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no>
Content-Type: text/plain; charset=ISO-8859-1
X-Complaints-To: newsabuse@supernews.com
X-Trace: 900299301 L9ONVCM4D5235CCB1C usenet76.supernews.com
Organization: The World's Usenet -- http://www.Supernews.com
Mime-Version: 1.0
Reply-To: dnorris@.k7nono.com
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio

.amateur.misc

"Torbj�rn Morka" <scanman@online.no> wrote:

:-
:-Rudi Wiedemann skrev i meldingen ...
:->cut
:-
:-Agree!
:-BUT:
:-I manage to obtaine my licence and is hereby a full "ham" by knowing
the
:-morse-code.
:-I choosehowever to only use VHF/UHF and is very rear down to
HF-region.
:-Morse code
:-is never used for me, only packet or OSCAR.
:-
:-Nobody can do anything with this. After a few months i decide to
spend some
:-time at HF and
:-is soon QRP on 20-meter on SSB with some friends, or we try the
80-meter for
:-chat with some
:-OZ'ers or SM's Still no morse for me.
:-I hear something in cw from time to time, but dont care about it.
:-My expensive program for decoding morse is quite good, i use it and
by
:-reprogramming an
:-terminal or TNC i am QRP with CW by a PC !
:-
:-The ticket is clear, you have to know it to get a licence on HF, but
you
:-NEVER have to use it!
:-I think it sucks !!!
:-It also prevents many from getting this as a hobby because the morse
is an
:-obstacle !
:-

Ya...passing an eye test is an obstacle to driving too!

Damm rules.

:-

From -1048576352341291580

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
From: "Ragnar Otterstad" <danmec@inet.uni-c.dk>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/13
Message-ID: <01bdae50$3cd2b320$0b00a8c0@Cyber>#1/1
X-Deja-AN: 370959645
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no>
Organization: CyberCity Internet
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc


>Still no morse for me.
> I hear something in cw from time to time, but dont care about it.
> My expensive program for decoding morse is quite good, i use it and by
> reprogramming an terminal or TNC i am QRP with CW by a PC !
>
>
> It also prevents many from getting this as a hobby because the morse is
an
> obstacle !


MORSE IS FUN , once you have learned it properly !
Why loose out on the fun part of it ?




From 8504587850632662909
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
```

X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: kd5amz@flash.net
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/13
Message-ID: <35b28a48.93270829@news.flash.net>#1/1
X-Deja-AN: 371057552
Content-Transfer-Encoding: 8bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
Content-Type: text/plain; charset=ISO-8859-1
Organization: me
Mime-Version: 1.0
Reply-To: kd5amz
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

On Mon, 13 Jul 1998 03:03:58 GMT, dnorris@k7nono.com (Remove extra
'no') wrote:

>"Torbj�rn Morka" <scanman@online.no> wrote:
>
>:-
>:-Rudi Wiedemann skrev i meldingen ...
>:->cut
>:-
>:-Agree!
>:-BUT:
>:-I manage to obtaine my licence and is hereby a full "ham" by knowing
>the
>:-morse-code.
>:-I choosehowever to only use VHF/UHF and is very rear down to
>HF-region.
>:-Morse code
>:-is never used for me, only packet or OSCAR.
>:-
>:-Nobody can do anything with this. After a few months i decide to
>spend some
>:-time at HF and
>:-is soon QRP on 20-meter on SSB with some friends, or we try the
>80-meter for
>:-chat with some
>:-OZ'ers or SM's Still no morse for me.
>:-I hear something in cw from time to time, but dont care about it.
>:-My expensive program for decoding morse is quite good, i use it and
>by
>:-reprogramming an

```
>:-terminal or TNC i am QRP with CW by a PC !
>:-
>:-The ticket is clear, you have to know it to get a licence on HF, but
>you
>:-NEVER have to use it!
>:-I think it sucks !!!
>:-It also prevents many from getting this as a hobby because the morse
>is an
>:-obstacle !
>:-
>
>
>
>Ya...passing an eye test is an obstacle to driving too!
>
>Damm rules.
>
>
>
oh well, hurry up, get the code down long enough to get 13wpm
then get your advanced. That is plenty of room, and the extra
class license while it may make you an elitist, it is not worth it.
75khz of voice space just isn't worth the hassle.

NOW DON'T READ ANYTHING INTO THIS
I just don't feel it is worth it, I am not whining about the
requirements to get it. IF I WANTED IT, I WOULD GET IT.

I like my hf privilidges, I think that I would be just as much a ham
without them, BUT if a person wants hf they should go thru what
it takes to get the license. If they do not want the code, don't whine
about it, don't do hf, or wait until the FCC finally removes the 13/20
wpm requirements.
<that will be a very long time>



From -5221923348451941394
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
```

```
From: kh2d@my-dejanews.com (Jim )
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/13
Message-ID: <6odm63$v6r$1@brokaw.wa.com>#1/1
X-Deja-AN: 371085989
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35A791C5.C0DFF559@dvol.com>
<6o88n5$bo9$1@news1.sol.no>
Organization: NorthWest Nexus Inc.
Reply-To: kh2d@my-dejanews.com
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc

"Torbj�rn Morka" <scanman@online.no> wrote:

>Infact since only ham's uses cw, this is soon an obselete thing we could put
>on a museum or somewhere....

You need to turn your expensive Morse code decoder on some time
outside the ham bands. Not only hams use CW.....

>Is this the reallity ??
>Its to bad though, that many other operators concider them selve so perfect
>that i almost pukes. But to prevent happiness i dont do it yet...

I know how you feel, Boss. Every time I listen to a VHF repeater,
I almost pukes too....  But hey, if it'll make you happy, go for it.
Pukes all you wants....

73, Jim KH2D





From -6041587116189027795
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
From: Cregger <ecregger@mindspring.com>
```

Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/14
Message-ID: <35AB0D73.9BE995D2@mindspring.com>#1/1
X-Deja-AN: 371271661
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net>
Organization: MindSpring Enterprises
X-Server-Date: 14 Jul 1998 07:42:22 GMT
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

kd5amz@flash.net wrote:
>
> (snip) That is plenty of room, and the extra
> class license while it may make you an elitist, it is not worth it.
> 75khz of voice space just isn't worth the hassle.
>
> NOW DON'T READ ANYTHING INTO THIS

(snip)

Wow! I never thought that I would rate being
called an elitist! <G>

If you enjoy CW and have your code speed up, why
not go for the extra? The written test is nearly
as easy as the novice test, so that is not a
barrier to most people.

Truthfully, I wanted the 2x1 callsign for its
brevity on CW. Now that most, if not all, of the
2x1 callsigns have been issued, I'm not certain
that I would be bothered to go to the trouble
either. And it will be a cold summer day in
Georgia when I opt for a vanity call that has a
recurring renewal fee attached. A one time fee,
maybe. I haven't been keeping abreast of the rules
in this regard, so what I am suggesting may
already be fact.

Ed Cregger, NM2K
ecregger@mindspring.com

From -4894564403591859353
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fc734,b22abc9c8bf688c8,start
X-Google-Attributes: gidfc734,public

```
X-Google-Thread: 10c9e3,b22abc9c8bf688c8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,b22abc9c8bf688c8,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 1109af,c953a7f874fb164
X-Google-Attributes: gid1109af,public
X-Google-Thread: 106d41,b22abc9c8bf688c8,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: f55c2,b22abc9c8bf688c8,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fb049,b22abc9c8bf688c8,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa029,b22abc9c8bf688c8,start
X-Google-Attributes: gidfa029,public
From: CFM <cmcmanus@twave.net>
Subject: Centralina Swap Board
Date: 1998/07/14
Message-ID: <35ABFF1A.291FF264@twave.net>#1/1
X-Deja-AN: 371479448
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
X-Trace: news10.ispnews.com 900453506 13305 208.219.234.45 (14 Jul 1998 21:58:26
GMT)
Organization: ISPNews http://ispnews.com
Mime-Version: 1.0
NNTP-Posting-Date: 14 Jul 1998 21:58:26 GMT
Newsgroups: alt.ham-radio.mods,alt.ham-radio.ssb,alt.ham-radio.vhf-
uhf,rec.radio.cb,rec.radio.swap,rec.radio.shortwave,rec.radio.scanner,rec.ham-
radio,rec.radio.amateur.swap

Don't forget to check out and use the Swap Board at:

http://www.InsideTheWeb.com/messageboard/mbs.cgi/mb21061

Thanks!




From -2220501408796887647
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,153219adffc3afe4,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,153219adffc3afe4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,153219adffc3afe4,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,153219adffc3afe4,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,153219adffc3afe4,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,153219adffc3afe4,start
X-Google-Attributes: gid1031c8,public
```

From: "Jim Barlament" <kc9id@netnet.net>
Subject: FS: Icom IC-706
Date: 1998/07/15
Message-ID: <6ok0ji$8pf$1@news.inc.net>#1/1
X-Deja-AN: 371915518
Organization: Inc.Net http://www.inc.net
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap

I have a very clean Icom IC-706 for sale fore $725 shipped to anywhere in
the lower 48. It comes with original box, mike, power cable, and manuals.
If you are interested e-mail me for any info.

Jim Barlament KC9ID
kc9id@netnet.net

From -33807290561221342
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
From: "Gunleik Nisi" <gunleik.nospam.nisi@bokklubbene.no>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/16
Message-ID: <01bdb0c5$3f9de440$475989c0@gni-0333.bokklubbene.no>#1/1
X-Deja-AN: 372028230
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no>
Organization: EUnet Norway
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc

Torbj�rn Morka <scanman@online.no> skrev i artikkelen

<6o7vjs$a35$1@news1.sol.no>...

> The ticket is clear, you have to know it to get a licence on HF, but you
> NEVER have to use it!
> I think it sucks !!!
> It also prevents many from getting this as a hobby because the morse is
an
> obstacle !
>

Fact 1 - We can not open our bands to everyone, because there is not enough bandwidth on HF. Listen on 40m in Europe, and you will come to the same conclusion.
- So we need the candidates to pass some kind of test before we give away tickets.

Fact 2 - We (especially here in Norway) have a problem recruiting younger people into our hobby. The average age of the Norwegian ham is very high !.

Question!
How can you find a test that do not discriminate younger people, and still be so difficult that you need to be serious to pass it.

Solution -

CW at a speed of 8wpm
(Today we need to pass 12wpm here in Norway for the "full license", and that's a little bit to hard)
+
A better knowledge of the rules concerning amateur radio and knowledge of etiquette on the bands.
(If you know what is right, maybe you do the right things)

LA3RHA
Gunleik

```
From 4848650338443358328
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
```

X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
From: Edward Hazell <ejhazell@vselect.demon.co.uk>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/16
Message-ID: <GNqyDGAVMlr1Ewl8@vselect.demon.co.uk>#1/1
X-Deja-AN: 372116428
Content-Transfer-Encoding: 8bit
X-NNTP-Posting-Host: vselect.demon.co.uk:212.228.80.137
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <01bdb0c5$3f9de440$475989c0@gni-0333.bokklubbene.no>
Content-Type: text/plain; charset=iso-8859-1
X-Complaints-To: abuse@demon.net
X-Trace: news.demon.co.uk 900617091 nnrp-06:8801 NO-IDENT
vselect.demon.co.uk:212.228.80.137
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc

In article <01bdb0c5$3f9de440$475989c0@gni-0333.bokklubbene.no>, Gunleik
Nisi <gunleik.nospam.nisi@bokklubbene.no> writes
>
>Torbj�rn Morka <scanman@online.no> skrev i artikkelen
><6o7vjs$a35$1@news1.sol.no>...
>
>> The ticket is clear, you have to know it to get a licence on HF, but you
>> NEVER have to use it!
>> I think it sucks !!!
>> It also prevents many from getting this as a hobby because the morse is
>an
>> obstacle !
>>
>
>Fact 1 - We can not open our bands to everyone, because there is not enough
>bandwidth on HF. Listen on 40m in Europe, and you will come to the same
>conclusion.
>- So we need the candidates to pass some kind of test before we give away
>tickets.
>
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>people into our hobby. The average age of the Norwegian ham is very high !.
>
>
>Question!
>How can you find a test that do not discriminate younger people, and still
>be so difficult that you need to be serious to pass it.
>
>Solution -
>
>CW at a speed of 8wpm

```
>(Today we need to pass 12wpm here in Norway for the "full license", and
>that's a little bit to hard)
>+
>A better knowledge of the rules concerning amateur radio and  knowledge of
>etiquette on the bands.
>(If you know what is right, maybe you do the right things)
>
>
>LA3RHA
>Gunleik
>
No one with a licence has the right to moan about being restricted
because they have not/cannot pass the morse test,THEY KNOW THE RULES
BEFORE THEY JOIN THE CLUB.If they don't like the rules ,why are they in
the club.
...g0hau..tonbridge
--
Edward Hazell



From 4914534487382537451
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: Edward Hazell <ejhazell@vselect.demon.co.uk>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/16
Message-ID: <Nddw3DAIGlr1EwkQ@vselect.demon.co.uk>#1/1
X-Deja-AN: 372116429
X-NNTP-Posting-Host: vselect.demon.co.uk:212.228.80.137
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359B83DB.6CE64B74@mail.frii.com> <359b98ef.507891@news.total.net>
<6njafk$iq1$1@supernews.com> <EvKy1o.B9L@news2.new-york.net>
<359E9054.3D53@ccnet.com>
X-Complaints-To: abuse@demon.net
X-Trace: news.demon.co.uk 900617090 nnrp-06:8801 NO-IDENT
vselect.demon.co.uk:212.228.80.137
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
```

.amateur.misc

In article <359E9054.3D53@ccnet.com>, T E I X E I R A
<teixeira@ccnet.com> writes
>How about leaving things alone!   Just get your but in gear and learn
>the code....
>
>
>
>>
>> How about this for a solution:
>>
>> Keep the code for the CW portions of the HF band and have a tougher written
>> exam for the phone portions of the HF bands and eliminate the code
>> requirement for the phone portions?

It sounds more sensible than the *kill all morse* brigade.What a lot of
people do not (or refuse) to recognise is,that there is still a place
for the morse code,it is still a vital part of communications that will
succeed when the lazy push button,or microphone only operators cannot
make a good communications link.It may be old but so is democracy,and
even then there are those who would like to get rid of that.For their
own selfish reasons of course,not for the good of the rest of us ..
TED Tonbridge..

--
Edward Hazell

From -8728966468824036001
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dbd88c5c07e90b5c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,dbd88c5c07e90b5c,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 1109af,dbd88c5c07e90b5c,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,dbd88c5c07e90b5c,start
X-Google-Attributes: gid1031c8,public
From: chris fox <kf4ouz@bellsouth.net>
Subject: For Sale
Date: 1998/07/17
Message-ID: <378E81AD.CA0BA54B@bellsouth.net>#1/1
X-Deja-AN: 372205216
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
MIME-Version: 1.0
NNTP-Posting-Date: Thu, 16 Jul 1998 20:49:04 EST
Newsgroups: rec.ham-radio,rec.radio.amateur.swap,rec.radio.cb,rec.radio.swap

Swan 1200x 10-80-meter new tubes ex cond. 400.00 also have 2 complete
sets of tubes for the swan for sale also. Galaxy 350 13.8VDC 4 power
10/11 meter preamp.like new 180.00   <kf4ouz@bellsouth.net>

```
From -7514170065957392738
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb852ba904426e74,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,bb852ba904426e74,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,bb852ba904426e74,start
X-Google-Attributes: gid1109af,public
From: KF4ZEQ <kf4zeq@yahoo.com>
Subject: Icom u-16 background humm.
Date: 1998/07/17
Message-ID: <35AEA2BF.225B@yahoo.com>#1/1
X-Deja-AN: 372205225
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
MIME-Version: 1.0
Reply-To: kf4zeq@yahoo.com
NNTP-Posting-Date: Thu, 16 Jul 1998 21:04:06 EST
Newsgroups: rec.radio.swap,rec.ham-radio,rec.radio.amateur.equipment

Does anyone know how to correct the hum in the background of a u-16
while it is recieving, if you flip the mon. switch, the hum changes to
a  tone in the background. The call readout is on while this problem
happens, but the call light stays on, on all channels that have a ctcss
tone programmed. The manual states that the call will be on if there is
a signal that is being transmitted has the proper ctcss tone, could the
background hum, be the ctcss tone itself.
Any help will be appreciated
KF4ZEQ   Tony
--
Pursuant:
U.S.C. TITLE 47, CHAPTER 5, SUBCHAPTER II, a 227.
Restrictions on use of telephone equipment:
Unsolicited e-mail sent to this address is subject
to an archival fee of not less than $500 U.S. per copy. E-mail recieved
after any receipt of this notice implies acceptance of these terms.
ref: http://www.law.cornell.edu/uscode/47/227.shtml
implemented: 03/11/98, all documents are categorized and cross
referenced.
```

```
From 380296031139843626
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
```

X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
From: Mark Keith <nm5k@wt.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/17
Message-ID: <35AF0B79.455@wt.net>#1/1
X-Deja-AN: 372305089
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net>
Content-Type: text/plain; charset=us-ascii
Organization: World Trade Network, Inc.
Mime-Version: 1.0
Reply-To: nm5k@wt.net
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

> then get your advanced. That is plenty of room, and the extra
> class license while it may make you an elitist, it is not worth it.
> 75khz of voice space just isn't worth the hassle.

The good part is the lower 25 kc of each cw band. Thats where all the
good dx hangs out.
The fone bands don't amount to too much.

>
> NOW DON'T READ ANYTHING INTO THIS
> I just don't feel it is worth it, I am not whining about the
> requirements to get it. IF I WANTED IT, I WOULD GET IT.
>
> I like my hf privilidges, I think that I would be just as much a ham
> without them, BUT if a person wants hf they should go thru what
> it takes to get the license. If they do not want the code, don't whine
> about it, don't do hf, or wait until the FCC finally removes the 13/20
> wpm requirements.
> <that will be a very long time>

And they can't do it until international treaty is changed. The
requirement for cw is dictated by treaty worldwide. But all said, code
is easy to anyone who really wants to learn it. And attitude is
everything. If you think you won't like it, and won't use it the chances
are you won't. When I learned cw , I was in the 8th grade. I viewed it
much as a game. And it didn't take me more than a week or two to learn
the alphabet and numbers. Within a year I was outcopying alot of friends
of mine that had tickets already. I still didn't at that time. All in
the mind,and the attitude. But I view it just as another necessary part
of getting a ticket. I hate certain parts of the written

test and think much of the questions on the extra class test are fairly silly, but I don't advocate doing away with them just because I don't care for them. It's all the parts that equal the whole. MK

From 1850555243507126396
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
From: Mark Keith <nm5k@wt.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/17
Message-ID: <35AF0C8C.7D2D@wt.net>#1/1
X-Deja-AN: 372305090
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com> <6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com> <35b28a48.93270829@news.flash.net> <35AB0D73.9BE995D2@mindspring.com>
Content-Type: text/plain; charset=us-ascii
Organization: World Trade Network, Inc.
Mime-Version: 1.0
Reply-To: nm5k@wt.net
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

>
> Truthfully, I wanted the 2x1 callsign for its
> brevity on CW. Now that most, if not all, of the
> 2x1 callsigns have been issued, I'm not certain
> that I would be bothered to go to the trouble
> either. And it will be a cold summer day in
> Georgia when I opt for a vanity call that has a
> recurring renewal fee attached. A one time fee,
> maybe. I haven't been keeping abreast of the rules
> in this regard, so what I am suggesting may
> already be fact.
>
> Ed Cregger, NM2K
> ecregger@mindspring.com

Well I be doggone, It's my 2 land equal... Nice call you have. Good taste...g
I think the fee is one time. Not positive , but think so. Thats the only reason I upgraded was to get a new call. Best 30 bucks I ever spent.
Long Live CW! Mark NM5K

From 8888217787282626213
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
From: Curtis M LaFon <n5hdq@wf.quik.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/17
Message-ID: <35AF3C66.A62C585F@wf.quik.com>#1/1
X-Deja-AN: 372320167
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net>
Content-Type: text/plain; charset=us-ascii
Organization: Quik Internet
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Mark Keith wrote:

> > then get your advanced. That is plenty of room, and the extra
> > class license while it may make you an elitist, it is not worth it.
>

So, I am an elitstis ..?

I always thought I was lazy. I sat on a General for 25 years, conducted a class and when a coupl of my students got their Extra I got off my ass and went in one night and did the 20 WPM, Advanced and Extra.

Does that make me elite ? I still sat iy makes me lazy. I could have
upgraded years before I did.
--

FBI wants to register your guns under BRADY.
You can help repeal BRADY. Info at my site:
http://wf.quik.com/n5hdq
Curtis .. N5HDQ ..

From 1083215789480973785
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: Ed Woodson <nc5s@earthlink.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/17
Message-ID: <35AFA7C2.6EB3@earthlink.net>#1/1
X-Deja-AN: 372450573
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net> <35AB0D73.9BE995D2@mindspring.com>
<35AF0C8C.7D2D@wt.net>
Content-Type: text/plain; charset=us-ascii
Organization: EarthLink Network, Inc.
Mime-Version: 1.0
Reply-To: nc5s@earthlink.net
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

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> >
> > Truthfully, I wanted the 2x1 callsign for its
> > brevity on CW. Now that most, if not all, of the

> > 2x1 callsigns have been issued, I'm not certain
> > that I would be bothered to go to the trouble
> > either. And it will be a cold summer day in
> > Georgia when I opt for a vanity call that has a
> > recurring renewal fee attached. A one time fee,
> > maybe. I haven't been keeping abreast of the rules
> > in this regard, so what I am suggesting may
> > already be fact.
> >
> > Ed Cregger, NM2K
> > ecregger@mindspring.com
> Well I be doggone, It's my 2 land equal... Nice call you have. Good
> taste...g
> I think the fee is one time. Not positive , but think so. Thats the only
> reason I upgraded was to get a new call. Best 30 bucks I ever spent.
> Long Live CW! Mark NM5K

The fee for a vanity call is a recurring regulatory fee and will
be charged each time you license is renewed. The fee will drop to
somewhere in the neighborhood of $13 around the middle of September 98.

73

Ed   NC5S

From -8270232250485623811
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
From: kd5amz@flash.net
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/18
Message-ID: <35bdfe53.450711124@news.flash.net>#1/1
X-Deja-AN: 372470616
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net>
Content-Type: text/plain; charset=us-ascii

Organization: me
Mime-Version: 1.0
Reply-To: kd5amz
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

On Fri, 17 Jul 1998 03:29:45 -0500, Mark Keith <nm5k@wt.net> wrote:

>> then get your advanced. That is plenty of room, and the extra
>> class license while it may make you an elitist, it is not worth it.
>> 75khz of voice space just isn't worth the hassle.
>The good part is the lower 25 kc of each cw band. Thats where all the
>good dx hangs out.
>The fone bands don't amount to too much.
>>
>> NOW DON'T READ ANYTHING INTO THIS
>> I just don't feel it is worth it, I am not whining about the
>> requirements to get it. IF I WANTED IT, I WOULD GET IT.
>>
>> I like my hf privilidges, I think that I would be just as much a ham
>> without them, BUT if a person wants hf they should go thru what
>> it takes to get the license. If they do not want the code, don't whine
>> about it, don't do hf, or wait until the FCC finally removes the 13/20
>> wpm requirements.
>> <that will be a very long time>
>And they can't do it until international treaty is changed. The
>requirement for cw is dictated by treaty worldwide. But all said, code
>is easy to anyone who really wants to learn it. And attitude is
>everything. If you think you won't like it, and won't use it the chances
>are you won't. When I learned cw , I was in the 8th grade. I viewed it
>much as a game. And it didn't take me more than a week or two to learn
>the alphabet and numbers. Within a year I was outcopying alot of friends
>of mine that had tickets already. I still didn't at that time. All in
>the mind,and the attitude. But I view it just as another necessary part
>of getting a ticket. I hate certain parts of the written
>test and think much of the questions on the extra class test are fairly
>silly, but I don't advocate doing away with them just because I don't
>care for them. It's all the parts that equal the whole. MK

I have been hearing about a "supposed rulemaking" that is supposed
to come within 30-90 days. I could care less what they do with code,
like this gentleman said about certain written questions....I also
don't care about that elite coded segment where all the "great DX"
hangs out.......I have heard many stray into the advanced portion.
I still won't work 'em if I cannot talk to 'em. I will do an
occasional CW contact, but they will be FEW and FAR between

From 6992431759579843292
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: Mark Keith <nm5k@wt.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/18
Message-ID: <35B04E06.7C41@wt.net>#1/1
X-Deja-AN: 372601541
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net>
<35AF3C66.A62C585F@wf.quik.com>
Content-Type: text/plain; charset=us-ascii
Organization: World Trade Network, Inc.
Mime-Version: 1.0
Reply-To: nm5k@wt.net
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Curtis M LaFon wrote:
>
> Mark Keith wrote:

>
> > > then get your advanced. That is plenty of room, and the extra
> > > class license while it may make you an elitist, it is not worth it.

Says who? I didn't write that!
> >
>
> So, I am an elitstis ..?
>
> I always thought I was lazy. I sat on a General for 25 years, conducted
> a class and when a coupl of my students got their Extra I got off my
> ass and went in one night and did the 20 WPM, Advanced and Extra.
>
> Does that make me elite ? I still sat iy makes me lazy. I could have
> upgraded years before I did.
Hey Curtis, Haven't heard you on the air in a while. But then again I
guess thats partly my fault..I didn't write what they quoted me as
saying. But heck,getting my extra didn't change me a bit. I still as

obnoxious as ever...g I could have gotten mine earlier too but I'm the
lazy type myself. The only reason I upgraded was to change my call. But
I'm glad I did now. Get lots more cw room. Mark NM5K
> --
> ---
> FBI wants to register your guns under BRADY.
> You can help repeal BRADY. Info at my site:
> http://wf.quik.com/n5hdq
> Curtis .. N5HDQ ..

From -5562371756522688570
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
From: rawiley@blue.weeg.uiowa.edu (R. Wiley)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/19
Message-ID: <rawiley.900819506@blue.weeg.uiowa.edu>#1/1
X-Deja-AN: 372799667
Organization: The University of Iowa
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

.

If you have to justify CW, don't do it. An extra license offers
no advantage over a tech license above 50 mhz. There is no
magic to the code. If you want to learn it, put in the time and
you will.

rw

From -5974603982001270578
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6408096574f1054a,start

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,6408096574f1054a,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1131b0,6408096574f1054a,start
X-Google-Attributes: gid1131b0,public
X-Google-Thread: f59b0,6408096574f1054a,start
X-Google-Attributes: gidf59b0,public
X-Google-Thread: 107ada,6408096574f1054a,start
X-Google-Attributes: gid107ada,public
From: Horizon Instrument Group <info@horizon2.com>
Subject: Scientific Instrument Repair Technician needed
Date: 1998/07/22
Message-ID: <35B5EC38.9628202A@horizon2.com>#1/1
X-Deja-AN: 373839791
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Organization: Horizon Instrument Group
MIME-Version: 1.0
Reply-To: info@horizon2.com
Newsgroups:
sci.electronics.repair,sci.chem.analytical,rec.radio.amateur,rec.radio.amateur.misc,rec.ham-radio

Horizon Instrument Group of Baton Rouge, Louisiana is looking to fill the following position:

Scientific Instrument Technician

Description: Maintenance and repair of scientific analytical instrumentation.
Qualifications: A BS degree or equivalent experience. A minimum of 2 years experience with troubleshooting and repair of scientific instrumentation. Experience preferred in one or more of the following areas: GC/HPLC, UV-VIS/IR/FT-IR, AA/AE/ICP, XRD/XRF, SCM/TEM, NMR or Mass Spec. Component level electronics troubleshooting ability and/or amateur radio license a definite plus. In house training will be provided. Salary commensurate with experience.

Send resume by mail, e-mail or fax to:

Horizon Instrument Group
Louisiana Business & Technology Center
South Stadium Road
Baton Rouge, LA 70803
Attn: Human Resources

E-mail: info@horizon2.com
FAX: (504) 388-3975

For more information, see our web page at http://www.horizon2.com/

From -3833802803815086328
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
From: cyberscott <n5clk@swbell.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/25
Message-ID: <35B97DE7.F3F6AAF@swbell.net>#1/1
X-Deja-AN: 374744585
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: usenet@nnrp1
X-Trace: (null) 901348834 22587 (None) 209.184.1.21
Organization: Southwestern Bell Internet Services, Richardson, TX
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

I believe that practically anyone can learn CW. It really is easy. I struggled with it when I got my ticket at 10 yrs. and 13 wpm was hard for me too, but one day I decided that I was going to spend at least 15 min per night using it. In two weeks I was copying over 20wpm in my head. Iv done nothing but CW for the past 8 years.

It may not be everyone's favorite, but it isn't too difficult to become an obstacle for any half intelligent person.

>

From -8957047013585941304
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,9cf4839c7df9b5d5

X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
From: T E I X E I R A <teixeira@ccnet.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/25
Message-ID: <35B9FDCB.643E@ccnet.com>#1/1
X-Deja-AN: 374830437
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com> <6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com> <35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net> <35B97DE7.F3F6AAF@swbell.net>
Content-Type: text/plain; charset=us-ascii
Organization: T A O
Mime-Version: 1.0
Reply-To: teixeira@ccnet.com
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Scott,

You are quite right! My son at 12 years old learned CW in 30 days. The number one obsticle to learning CW is "Laziness". There is no way around it..... It takes daily practice..... If you are not willing to invest the time and effort you will never learn code. Not ment to be judgmental, it's just a fact!

dt

>
> I believe that practically anyone can learn CW. It really is easy. I struggled with it when I got my ticket at 10 yrs. and 13 wpm was hard for me too, but one day I decided that I was going to spend at least 15 min per night using it. In two weeks I was copying over 20wpm in my head. Iv done nothing but CW for the past 8 years.
>
> It may not be everyone's favorite, but it isn't too difficult to become an obstacle for any half intelligent person.
>
> >

From 3019770196807913772
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
From: Lou Albert <lalbert@uakron.edu>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/25
Message-ID: <35BA7526.15DBCF35@uakron.edu>#1/1
X-Deja-AN: 374922313
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net>
<35B97DE7.F3F6AAF@swbell.net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@neo.lrun.com
X-Trace: akron5.neo.lrun.com 901412134 23587 (None) 204.210.198.194
Organization: The Institute for Idiotic Pursuits
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

http://www.dyslexia.com/
http://ifip.com/aphasia.htm
http://ifip.com/wa8phd.htm
Take a look!
cyberscott wrote:

> I believe that practically anyone can learn CW. It really is easy. I
> struggled with it when I got my ticket at 10 yrs. and 13 wpm was hard for
> me too, but one day I decided that I was going to spend at least 15 min per
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> nothing but CW for the past 8 years.
>
> It may not be everyone's favorite, but it isn't too difficult to become an
> obstacle for any half intelligent person.
>

> >
>

--
Lou Albert (WA8PHD NCI-1477), Voice - 330-864-0650

http://www.ifip.com/
http://www.f-stopcamera.com/

From -3140915906204444757
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
From: cyberscott <n5clk@swbell.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/25
Message-ID: <35BA88FE.F9E0A056@swbell.net>#1/1
X-Deja-AN: 374939600
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net>
<35B97DE7.F3F6AAF@swbell.net>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: usenet@nnrp1
X-Trace: (null) 901417200 6796 (None) 209.184.1.201
Organization: Southwestern Bell Internet Services, Richardson, TX
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Mr. albert,

Dyslexia is a visual disorder. There is nothing visual about CW unless you are deaf. Ask the many deaf and blinf CW operators. The web pages you sent me also indicate that Dyslexia is a treatable disorder. In the case of aphasia I can see that being a special case. In fact, there are laws and provisions for people to exempt themselves from the CW requirement by having a waiver signed by a physician. I certianly would not be critical of anyone in this situation anymore than I would someone who participated in marathons in a wheelchair. I know several people from the ranks of amateur radio that have severe dyslexia. I am one of them.

Excuses are like assholes, everyone's got one!

cyberscott wrote:

> I believe that practically anyone can learn CW. It really is easy. I
> struggled with it when I got my ticket at 10 yrs. and 13 wpm was hard for
> me too, but one day I decided that I was going to spend at least 15 min per
> night using it. In two weeks I was copying over 20wpm in my head. Iv done
> nothing but CW for the past 8 years.
>
> It may not be everyone's favorite, but it isn't too difficult to become an
> obstacle for any half intelligent person.
>
> >

```
From 143539196803221582
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
From: T E I X E I R A <teixeira@ccnet.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/26
Message-ID: <35BA8D1A.281F@ccnet.com>#1/1
```

```
X-Deja-AN: 374935647
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net>
<35B97DE7.F3F6AAF@swbell.net> <35BA7526.15DBCF35@uakron.edu>
Content-Type: text/plain; charset=us-ascii
Organization: T A O
Mime-Version: 1.0
Reply-To: teixeira@ccnet.com
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc
```

Lou,

I am a VE and in the last 2 years I have only seen 2 people with a medical waivers. I have yet to see one with dyslexia or aphasia. I agree there are exceptions......

dt

```
>
> http://www.dyslexia.com/
> http://ifip.com/aphasia.htm
> http://ifip.com/wa8phd.htm
> Take a look!
> cyberscott wrote:
>
```

```
From 5823727760724177073
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
From: Lou Albert <lalbert@uakron.edu>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/26
Message-ID: <35BBC76E.3D16889E@uakron.edu>#1/1
X-Deja-AN: 375159085
```

Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net>
<35B97DE7.F3F6AAF@swbell.net> <35BA88FE.F9E0A056@swbell.net>
X-Accept-Language: en
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@neo.lrun.com
X-Trace: akron5.neo.lrun.com 901498735 10404 (None) 204.210.198.194
Organization: The Institute for Idiotic Pursuits
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

To bad you are not informed!

cyberscott wrote:

> Mr. albert,
>
> Dyslexia is a visual disorder. There is nothing visual about CW unless you are
> deaf. Ask the many deaf and blinf CW operators. The web pages you sent me
> also indicate that Dyslexia is a treatable disorder. In the case of aphasia I
> can see that being a special case. In fact, there are laws and provisions for
> people to exempt themselves from the CW requirement by having a waiver signed
> by a physician. I certianly would not be critical of anyone in this situation
> anymore than I would someone who participated in marathons in a wheelchair. I
> know several people from the ranks of amateur radio that have severe dyslexia.
> I am one of them.
>
> Excuses are like assholes, everyone's got one!
>
> cyberscott wrote:
>
> > I believe that practically anyone can learn CW. It really is easy. I
> > struggled with it when I got my ticket at 10 yrs. and 13 wpm was hard for
> > me too, but one day I decided that I was going to spend at least 15 min per
> > night using it. In two weeks I was copying over 20wpm in my head. Iv done
> > nothing but CW for the past 8 years.
> >
> > It may not be everyone's favorite, but it isn't too difficult to become an
> > obstacle for any half intelligent person.
> >
> > >
>
>

--
Lou Albert (WA8PHD NCI-1477), Voice - 330-864-0650

http://www.ifip.com/
http://www.f-stopcamera.com/

From 5236905052151972019
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: Bob Scott <n5clk@swbell.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/26
Message-ID: <35BBFDAB.1B54F855@swbell.net>#1/1
X-Deja-AN: 375204538
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net>
<35B97DE7.F3F6AAF@swbell.net> <35BA88FE.F9E0A056@swbell.net>
<35BBC76E.3D16889E@uakron.edu>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: usenet@nnrp1
X-Trace: (null) 901512609 16631 (None) 209.184.1.133
Organization: Southwestern Bell Internet Services, Richardson, TX
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

What do you mean by that? Where am I lacking information?

From -4465414348144758535
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
From: "Gary Oakes" <Doctree2@hotmail.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/27
Message-ID: <JDQu1.1980$Qd4.9406137@news.rdc1.tn.home.com>#1/1
X-Deja-AN: 375168512
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net>
<35B97DE7.F3F6AAF@swbell.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: @Home Network
NNTP-Posting-Date: Sun, 26 Jul 1998 18:22:49 PDT
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

I have no definite feelings either way. My only belief is that one should take the code test every 5 years to show proficiency much like a driver's license test. Otherwise you are fraudulently using your license if you do not remain proficient. Too many time I hear persons tell me that they got the 13 wpm just to use the phone. Oh, well. Frankly i wonder why KW, ICOm et al have not pushed this revision before now.

73
Gary/WD4ICI

cyberscott wrote in message <35B97DE7.F3F6AAF@swbell.net>...
>I believe that practically anyone can learn CW. It really is easy. I
>struggled with it when I got my ticket at 10 yrs. and 13 wpm was hard for
>me too, but one day I decided that I was going to spend at least 15 min per
>night using it. In two weeks I was copying over 20wpm in my head. Iv done
>nothing but CW for the past 8 years.
>
>It may not be everyone's favorite, but it isn't too difficult to become an
>obstacle for any half intelligent person.
>
>

>>
>

From 5971997988981730840
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
From: T E I X E I R A <teixeira@ccnet.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/27
Message-ID: <35BBFD0D.5025@ccnet.com>#1/1
X-Deja-AN: 375204539
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<6o7vjs$a35$1@news1.sol.no> <35a978f2.17312216@news.dancris.com>
<35b28a48.93270829@news.flash.net> <35AF0B79.455@wt.net>
<35B97DE7.F3F6AAF@swbell.net> <JDQu1.1980$Qd4.9406137@news.rdc1.tn.home.com>
Content-Type: text/plain; charset=us-ascii
Organization: T A O
Mime-Version: 1.0
Reply-To: teixeira@ccnet.com
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

I don' have a problem with this... It will never happen. What is
really scary is your medical doctor does not have to be retested...

dt

> >I believe that practically anyone can learn CW. It really is easy. I
> >struggled with it when I got my ticket at 10 yrs. and 13 wpm was hard for
> >me too, but one day I decided that I was going to spend at least 15 min per
> >night using it. In two weeks I was copying over 20wpm in my head. Iv done
> >nothing but CW for the past 8 years.
> >
> >It may not be everyone's favorite, but it isn't too difficult to become an

> >obstacle for any half intelligent person.
> >
> >
> >>
> >

From 7107137266257804476
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
From: tbryant@SPAMSUCKS.cannet.com (T.L. Bryant)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/27
Message-ID: <6pi77g$pau@dolphin.cannet.com>#1/1
X-Deja-AN: 375349070
Content-Type: Text/Plain; charset=ISO-8859-1
Organization: cannet.com
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <35BBFD0D.5025@ccnet.com> T E I X E I R A <teixeira@ccnet.com> writes,

>I don' have a problem with this... It will never happen. What is
>really scary is your medical doctor does not have to be retested...

Failure of a retest would cause the ARRL, (or the AMA as the case may be)
to lose too much money.
--
Tom - N8ECW

Anti-spam measures in place. Make the obvious changes in my address to reply.

"The more laws, the less justice." -- Marcus Cicero.

!!!VOLT!!!VOLT!!!VOLT!!!VOLT!!!VOLT!!!VOLT!!!VOLT!!!VOLT!!!VOLT!!!VOLT!!!
!!!VOLT   http://www.tvo.org/tfo/volt/default.html   !!!VOLT!!!

!!!VOLT!!!VOLT!!!VOLT!!!VOLT!!!VOLT!!!VOLT!!!VOLT!!!VOLT!!!VOLT!!!VOLT!!!

```
From 7806516179581198284
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: "Ted Lee" <tedlee@canada.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/28
Message-ID: <xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com>#1/1
X-Deja-AN: 375575835
References: <6pi77g$pau@dolphin.cannet.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Organization: Hotmail
Reply-To: "Ted Lee" <ve7lee@hotmail.com>
NNTP-Posting-Date: Mon, 27 Jul 1998 23:37:17 PDT
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc
```

I think that the CW test should be replace with a HF packet network management test.

I still can think of any really use for CW now a days.

Everybody has drop the used of CW in military, coast guard, government, and all other areas of communications where getting the message out is important.

```
From 1021515599766483671
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
```

```
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
From: Mark Keith <nm5k@wt.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/28
Message-ID: <35BD8B35.3611@wt.net>#1/1
X-Deja-AN: 375600827
Content-Transfer-Encoding: 7bit
References: <6pi77g$pau@dolphin.cannet.com>
<xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com>
Content-Type: text/plain; charset=us-ascii
Organization: World Trade Network, Inc.
Mime-Version: 1.0
Reply-To: nm5k@wt.net
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc

> I think that the CW test should be replace with a HF packet network
> management test.
Why, Who works slow old hf packet? Thats something for a written test
anyway.
I hate to sound like a spoil sport, but I think packet is lame. I'd
rather get on the LL modem and boogie woogie..Just my opinion though. I
feel I have the right as much as everyone knocks cw.
> I still can think of any really use for CW now a days.
I can't think of much of one for hf packet. Where as I run cw almost
every day.

> Everybody has drop the used of CW in military, coast guard, government, and
> all other areas of communications where getting the message out is
> important.
Except for the amateur's. So far anyway. MK



From -8831426128837635963
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
```

X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: EC Therapy <docshok@sunlink.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/28
Message-ID: <35BDED37.35B7@sunlink.net>#1/1
X-Deja-AN: 375636080
Content-Transfer-Encoding: 7bit
References: <6pi77g$pau@dolphin.cannet.com>
<xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com>
Content-Type: text/plain; charset=us-ascii
Organization: SunLink (sunlink.net)
MIME-Version: 1.0
Reply-To: docshokNOSPAM@sunlink.net
NNTP-Posting-Date: Tue, 28 Jul 1998 08:21:38 EDT
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Ted Lee wrote:
>
> I think that the CW test should be replace with a HF packet network
> management test.
>
> I still can think of any really use for CW now a days.
>
> Everybody has drop the used of CW in military, coast guard, government, and
> all other areas of communications where getting the message out is
> important.

Actually, the military still teaches CW. Ask any navy "O" brancher that
attends NTTC Corry Station, or a 98H from Fort Devans.

From -7775972178026846888
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public

X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: T E I X E I R A <teixeira@ccnet.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/28
Message-ID: <35BDF303.6E8@ccnet.com>#1/1
X-Deja-AN: 375682478
Content-Transfer-Encoding: 7bit
References: <6pi77g$pau@dolphin.cannet.com>
<xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com>
Content-Type: text/plain; charset=us-ascii
Organization: T A O
Mime-Version: 1.0
Reply-To: teixeira@ccnet.com
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Oh... packet is dying.... the internet did it in.... check out the CW
portion of the bands. You will hear 100 CW stations for every packet.

dt

>
> I think that the CW test should be replace with a HF packet network
> management test.
>
> I still can think of any really use for CW now a days.
>
> Everybody has drop the used of CW in military, coast guard, government, and
> all other areas of communications where getting the message out is
> important.

From 8672941891567250703
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public

```
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: COP@NET.COM (HAM RADIO @ ITS BEST)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/28
Message-ID: <oqmv1.808$Cj4.440501@news.mci2000.com>#1/1
X-Deja-AN: 375686511
References: <6pi77g$pau@dolphin.cannet.com>
<xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com> <35BDF303.6E8@ccnet.com>
Organization: CCSO
NNTP-Posting-Date: Tue, 28 Jul 1998 15:49:40 GMT
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc

In article <35BDF303.6E8@ccnet.com>, teixeira@ccnet.com wrote:
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>portion of the bands.  You will hear 100 CW stations for every packet.
>
>dt
>
>>
>> I think that the CW test should be replace with a HF packet network
>> management test.
>>
>> I still can think of any really use for CW now a days.
>>
>> Everybody has drop the used of CW in military, coast guard, government, and
>> all other areas of communications where getting the message out is
>> important.

What If I'm not interested in packet.  Should I be forced to take the test on
packet?


COP




From 4629641473906977197
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
```

```
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: Peter Lemken <Plemken@mail.blinx.de>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/28
Message-ID: <6plnbg$d8$1@fu-berlin.de>#1/1
X-Deja-AN: 375821471
Content-Transfer-Encoding: 7bit
References: <6pi77g$pau@dolphin.cannet.com>
<xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com>
X-Trace: fu-berlin.de 901669040 424 (none) 62.144.104.31
Organization: The Church Of The Holy Tool
X-Access: 16 1502 1609 [32]
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc

"Ted Lee" <tedlee@canada.com> wrote:
>I think that the CW test should be replace with a HF packet network
>management test.
>
>I still can think of any really use for CW now a days.
>
>Everybody has drop the used of CW in military, coast guard, government, and
>all other areas of communications where getting the message out is
>important.

I think that in order to be spared a morse code test, one should be able to
display an adequate usage of one's native language with respect to grammar
and spelling.

Now, wouldn't that make the numbers of CW licenses issued in the US take a
considerable step towards a majority of the hams tested? Imagine the results...


Peter Lemken
Berlin
DF5JT/KE4UNQ

--

"a 20 WPM General class? You've got to be kidding, Sir!"




From 2808952532902720610
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
```

X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: T E I X E I R A <teixeira@ccnet.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/29
Message-ID: <35BE71F0.4C53@ccnet.com>#1/1
X-Deja-AN: 375835277
Content-Transfer-Encoding: 7bit
References: <6pi77g$pau@dolphin.cannet.com> <xkev1.10752$xs3.11281778@news.rdc1.bc.wave.home.com> <6plnbg$d8$1@fu-berlin.de>
Content-Type: text/plain; charset=us-ascii
Organization: T A O
Mime-Version: 1.0
Reply-To: teixeira@ccnet.com
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Why should we have to "Justify" CW.... 99.99% of everything transmitted on all of the phone modes is "garbage"... When was the last time you heard anything of real value on phone?

It's that .001% that counts..... It's the same with CW.

Cheers,
dt

From -3608652727716662170
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5

X-Google-Attributes: gidfa656,public
From: jjm@shore.net (Jim Martin)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <359b75fa.45925571@news.shore.net>#1/1
X-Deja-AN: 368056324
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com> <OkCm1.54$ZR6.213774@news2.randori.com> <359af8d0.177007686@news.flash.net> <359b3d0c.1675477@news.dial.pipex.com>
Organization: WK1V
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

On Thu, 02 Jul 1998 08:38:10 GMT, no.junk.mail@thank.you (Walt Davidson) wrote:

>On Wed, 01 Jul 1998 09:02:04 GMT, kd5amz@flash.net wrote:
>
>>piss me off, and I will flip a bugger on your windshield!
>
>Bet you don't even know what a bugger is!

hahahahahaha! LMAO...nice come back Walt!   ;)

jim, wk1v

I think he meant booger.

From -8028803753432245862
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: cop@net.com (HAM RADIO @ ITS BEST)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <8RKm1.199$ig.367037@pm01nn>#1/1
X-Deja-AN: 368060246

```
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<OkCm1.54$ZR6.213774@news2.randori.com> <359af8d0.177007686@news.flash.net>
<359b632a.1753623@news.total.net>
NNTP-Posting-Date: Thu, 02 Jul 1998 12:15:00 GMT
Organization: FUZZ
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc


In article <359b632a.1753623@news.total.net>, cute@radiotelephone.net.PAS_DE_SPAM
wrote:
>On Wed, 01 Jul 1998 09:02:04 GMT, kd5amz@flash.net wrote:
>
>>the problem is that most people who would love to do HF have no
>>interest in CW <at least the no coders I know around here>
>>btw check me in the callbook in a couple of weeks.................not
>>now as I just show tech +
>
>>I HATE code, I will NEVER do it again, and I LIKE saying that. I
>
>
>I know.  Know code = Know ham.  No code = No ham.  Get the rid of all
>idiots out of HF.  Sooooon there will be no once out there and gov't
>will cut the freqs.  I love see that.
>
Hey CB get a life.  Maybe Canada should deport you.  Get the rid of all iditos
out of Canada.  Sooooon there will be no once out there and gov't will cut off
your well fare mony.  I love see that.


COP
>
>
>______________________________________________________________________
>Cutie Boy (CB) ou Joli Gar�on(�galement connu comme M@S@)
>Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
>�tudient @ Informatique et Math�matiques d'Universit� McGill
>Montr�al, Qu�bec, Canada
>C�: cute@radiotelephone.net.PAS_DE_SPAM
>URL     : http://www.radiotelephone.net           (Universel)
>          /amateur/   (Radio) /mcgill/ (Universit� McGill)
>          /examiner/ (Examens de U.McGill)
>Support No Morse Code Testing Requirement for Amateur Radio !
>http://www.nocode.org; http://www.radiotelephone.net/no-code/
>______________________________________________________________________
>***Enlevez l' ".PAS_DE_SPAM" pour r�pondre.***
>ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non sollicit�s!!
>***Please remove ".PAS_DE_SPAM" to reply.***



From 3208752298490001598
```

X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
From: cop@net.com (HAM RADIO @ ITS BEST)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <ASKm1.200$ig.367037@pm01nn>#1/1
X-Deja-AN: 368060247
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359AF3AA.37F53546@wi.net> <ZyDm1.89$xT.1543603@no-cha>
<359b639f.1871388@news.total.net>
NNTP-Posting-Date: Thu, 02 Jul 1998 12:16:32 GMT
Organization: FUZZ
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <359b639f.1871388@news.total.net>, cute@radiotelephone.net.PAS_DE_SPAM wrote:
>On Thu, 02 Jul 1998 03:57:45 GMT, "tcrpe" <tcrpe@yahoo.com> wrote:
>
>>Gee, its too bad that you limit this to the last 10 years or I could list:
>
>>WW1
>>WW2
>>Russian Revolution
>>Nazi Domination of Europe
>>Chinese Cultural Revolution
>>Rape of Nanking
>>The many nations subjugated by the Japanese before WW2
>>Natural Disaters of great scale, earthquake, volcanoes, you know, the really
>>big ones that only come along every few centuries
>>I won't even get into the happenings in Africa
>
>>But since these aren't acceptable disasters, I won't mention them. Just
>>what type of disasters can we expect in the next 10 years? BTW, I can go
>>out to my garage and fabricate a CW key in 5 seconds.
>> How long to fabricate
>>an electret mike in your garage? I can build a simple CW transmitter and
>>transmitter from the parts I find in a cast-off radio. Could you make a SSB

```
>>xcvr out of the same?  How did Adm. Stockdale communicate with his fellow
>>prisoners during his 7(?) year vacation at the Hanoi Hilton?  It wasn't SSB
>>on 11 meters.
>
Get a life CB.  Quit acting like a little boy.  Grow up!

COP
>
>Yours aren't the examples.  Give us the example where ALL VOICE and
>DIGITAL communications fail ad CW is only the way to transmit your
>signal.   WW I and WWII  aren't the example.  You were just banned to
>use HF spectrum in any matter.  Get a life.  Think of nuclear war and
>say know code = know ham = know radio = know emergency.   Think of
>UFOs and say have guns = have bombs = have protections = have safety.
>
>
>______________________________________________________________________
>Cutie Boy (CB) ou Joli Gar�on(�galement connu comme M@S@)
>Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
>�tudient @ Informatique et Math�matiques d'Universit� McGill
>Montr�al, Qu�bec, Canada
>C�: cute@radiotelephone.net.PAS_DE_SPAM
>URL     : http://www.radiotelephone.net            (Universel)
>          /amateur/   (Radio) /mcgill/ (Universit� McGill)
>          /examiner/ (Examens de U.McGill)
>Support No Morse Code Testing Requirement for Amateur Radio !
>http://www.nocode.org; http://www.radiotelephone.net/no-code/
>______________________________________________________________________
>***Enlevez l' ".PAS_DE_SPAM" pour r�pondre.***
>ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non sollicit�s!!
>***Please remove ".PAS_DE_SPAM" to reply.***



From 1697339339466441270
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: cop@net.com (HAM RADIO @ ITS BEST)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
```

Message-ID: <sVKm1.201$ig.367037@pm01nn>#1/1
X-Deja-AN: 368064116
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359AF3AA.37F53546@wi.net> <359b636f.1822644@news.total.net>
NNTP-Posting-Date: Thu, 02 Jul 1998 12:19:36 GMT
Organization: FUZZ
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <359b636f.1822644@news.total.net>, cute@radiotelephone.net.PAS_DE_SPAM wrote:
>On Wed, 01 Jul 1998 21:42:50 -0500, Fran <fmhuguet@wi.net> wrote:
>
>>i am interested in hearing some anecdotes concerning emergency communications
> in
>>which cw was the only viable, available communication mode. please limit the
>>evidence to the past 10 years and to the usa. evidence such as this is the
>>proof in the pudding. the more the better.
>>
>>fran
>
>
>I know. Then they will bring up nuclear war which "can" happen in
>next 100 years... then I will say all people in the world should
>carry guns and bombs to protect from UFOs in next 100 years.....
>
awh little one. Do you know what you are talking about. Just because your
homeland was nuked doesn't mean there will be nuclear war in the future.
Get a life and "GROW UP".

COP
>
>
>____
>Cutie Boy (CB) ou Joli Gar�on(�galement connu comme M@S@)
>Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
>�tudient @ Informatique et Math�matiques d'Universit� McGill
>Montr�al, Qu�bec, Canada
>C�: cute@radiotelephone.net.PAS_DE_SPAM
>URL   : http://www.radiotelephone.net   (Universel)
>   /amateur/   (Radio) /mcgill/ (Universit� McGill)
>   /examiner/ (Examens de U.McGill)
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>http://www.nocode.org; http://www.radiotelephone.net/no-code/
>____
>***Enlevez l' ".PAS_DE_SPAM" pour r�pondre.***
>ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non sollicit�s!!
>***Please remove ".PAS_DE_SPAM" to reply.***

From -3233125139215099862
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: cop@net.com (HAM RADIO @ ITS BEST)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <FZKm1.202$ig.367037@pm01nn>#1/1
X-Deja-AN: 368064117
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com> <359b6294.1603984@news.total.net>
NNTP-Posting-Date: Thu, 02 Jul 1998 12:24:05 GMT
Organization: FUZZ
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <359b6294.1603984@news.total.net>, cute@radiotelephone.net.PAS_DE_SPAM wrote:
>On Thu, 02 Jul 1998 01:51:38 GMT, "Rudi Wiedemann"
><wiedemann@home.com> wrote:
>
>>The local VHF/UHF repeater towers are pretzels. The CB bands are full of
>>looters waiting to hear would-be victims calling for help. With all the
>>power line failures, the airwaves have some SERIOUS QRM, so voice
>>communications is all but impossible.
>
>>The bottom line is simple physics.......CW is the MOST ROBUST means of long
>>distance communications when all else fails. I don't need fancy computers
>>and software. I don't need repeaters. I don't need TNCs. I need only a
>>simple power source, like a car battery, a radio, a dipole, and a key.
>
>Mr. Idiot, what if CW fails ??   Don't include EVERYTHING except CW
>for "all communications fail."   Include CW also.

Good choice of works CB. Idiot. Just cause someone thinks different than
you. Is that what you are learning there in College?

COP

>
>>I maintain that THIS is why Ham Radio has a well-deserved reputation for
>>providing disaster communication worldwide.
>
>ask your neighbour and they don't know about it. show your CW keyer
>and punch CW keyers and call CQ. I am sure your neighbour will be
>impressed !! (grin)
>
>>wiedemann@home.com
>
>
>and the massive crossposting is the way to illustrate how pro-CWers
>are stupid.
>
and the massive crossposting is the way to illustrate how CB AKA MASA are
stupid.
>

COP
>
>
>____
>Cutie Boy (CB) ou Joli Gar�on(�galement connu comme M@S@)
>Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
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>C�: cute@radiotelephone.net.PAS_DE_SPAM
>URL   : http://www.radiotelephone.net   (Universel)
>   /amateur/   (Radio) /mcgill/ (Universit� McGill)
>   /examiner/ (Examens de U.McGill)
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>____
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>***Please remove ".PAS_DE_SPAM" to reply.***

From 6180075369902516512
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public

```
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
From: Rod Cerkoney <rwc@mail.frii.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <359B80E1.660CF07@mail.frii.com>#1/1
X-Deja-AN: 368068566
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359b6294.1603984@news.total.net>
To: cute@radiotelephone.net
Content-Type: text/plain; charset=us-ascii
Organization: Front Range Internet, Inc. (800-935-6527)
Mime-Version: 1.0
Reply-To: DON'T.SPAM.ON.ME
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc
```

Cutie Boy wrote:

```
> On Thu, 02 Jul 1998 01:51:38 GMT, "Rudi Wiedemann"
> <wiedemann@home.com> wrote:
>
> >The local VHF/UHF repeater towers are pretzels.  The CB bands are full of
```

...blah, blah, blah deleted...

```
> Mr. Idiot, what if CW fails ??     Don't include EVERYTHING except CW
> for "all communications fail."     Include CW also.
>
> >I maintain that THIS is why Ham Radio has a well-deserved reputation for
> >providing disaster communication worldwide.
>
> ask your neighbour and they don't know about it.  show your CW keyer
> and punch CW keyers and call CQ.  I am sure your neighbour will be
> impressed !! (grin)
>
> >wiedemann@home.com
>
> and the massive crossposting is the way to illustrate how  pro-CWers
> are stupid.
```

Remain silent and be thought a fool, open mouth and remove all doubt!

CB--you are an embarrassment to all hard working, modest, Japanese people. Your ideas a poorly thought out, and you articulation of those ideas is even worse!

To hell with you, sir.

-rc-

From 3487873491074342661
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: cute@radiotelephone.net.PAS_DE_SPAM (Cutie Boy)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <359b83f9.2696546@news.total.net>#1/1
X-Deja-AN: 368068567
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com> <359b6294.1603984@news.total.net> <359B80E1.660CF07@mail.frii.com>
Organization: Cute !
Reply-To: cute@radiotelephone.net.PAS_DE_SPAM
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

On Thu, 02 Jul 1998 06:45:21 -0600, Rod Cerkoney <rwc@mail.frii.com> wrote:

>Cutie Boy wrote:

>...blah, blah, blah deleted...

mass irrelevant blahs deleted.

>Remain silent and be thought a fool, open mouth and remove all doubt!
>
>CB--you are an embarrassment to all hard working, modest, Japanese people. Your
>ideas a poorly thought out, and you articulation of those ideas is even worse!

are you one of the pro-CWers who show your CW keyers to your neighbour
saying you are proud of knowing morse code and be ready for nuclear
wars with it ??

you have a limit of as strange as you can be !!!!!

```
----------------------------------------------------------------------
Cutie Boy (CB) ou Joli Gar�on(�galement connu comme M@S@)
Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
�tudient @ Informatique et Math�matiques d'Universit� McGill
Montr�al, Qu�bec, Canada
C�: cute@radiotelephone.net.PAS_DE_SPAM
URL  : http://www.radiotelephone.net            (Universel)
       /amateur/   (Radio) /mcgill/ (Universit� McGill)
          /examiner/ (Examens de U.McGill)
Support No Morse Code Testing Requirement for Amateur Radio !
http://www.nocode.org; http://www.radiotelephone.net/no-code/

----------------------------------------------------------------------
***Enlevez l' ".PAS_DE_SPAM" pour r�pondre.***
ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non sollicit�s!!
***Please remove ".PAS_DE_SPAM" to reply.***
```

From 8386526838287609159
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: Rod Cerkoney <rwc@mail.frii.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <359B83DB.6CE64B74@mail.frii.com>#1/1

```
X-Deja-AN: 368073617
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
Content-Type: text/plain; charset=us-ascii
Organization: Front Range Internet, Inc. (800-935-6527)
Mime-Version: 1.0
Reply-To: DON'T.SPAM.ON.ME
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc
```

Rudi Wiedemann wrote:

> I've been "lurking" in these newsgroups, reading all the trash about "know
> code" vs "no code" emotions.
>

Me too.

My thought: Let's really put some substance into the need-for-CW requlations, by requiring yearly recertification of CW skills, at some modest speed of say 10WPM.

OK all you PHONE only inDUHviduals have fun with this idea. But don't expect me to dignifiy your response(s) with an answer. Esp. you [LOSER} Cutie Boy.

-rc-

```
From 6411499201822532244
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
From: "Rick" <rickmudd@teleport.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
```

Message-ID: <01bda5c2$6faa1d60$5f806ac6@pavilion>#1/1
X-Deja-AN: 368089252
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<OkCm1.54$ZR6.213774@news2.randori.com> <359af8d0.177007686@news.flash.net>
NNTP-Posting-Date: Thu, 02 Jul 1998 07:07:48 PDT
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Bugger or booger. Flipping a bugger would quite a feat. Most of them dudes
are heavy! Boogers on the others hand are light and easy to flip. I do it
daily.

kd5amz@flash.net wrote in article <359af8d0.177007686@news.flash.net>...
> On Thu, 02 Jul 1998 02:34:22 GMT, "Rich M." <right@home.com> wrote:
>
> >Well said.
> >
> >Dick   N7JPO
> >
> >>So, for my money, I say to those who want "instant gratifaction" by
> >dropping
> >>code to gain HF privileges...........get proficient in code NOT
because
> >the
> >>FCC says you need to, but rather because it's smart! Let's not lower
> >>another chin-bar so more people can "fall backwards" over it. Instead,
> >>let's do our part to help raise more enthusiasts to gain a valuable
skill.
> >>
> >>Rudi Wiedemann - KF6RLQ
> >>wiedemann@home.com
> >>
> >
> the problem is that most people who would love to do HF have no
> interest in CW <at least the no coders I know around here>
> btw check me in the callbook in a couple of weeks.................not
> now as I just show tech +
> I HATE code, I will NEVER do it again, and I LIKE saying that. I
> decided that I wanted to do some hf, so I went ahead and took the
> plunge. Actually I wanted to put a 10 meter split site repeater up
> with 2 meter or 430 link frequencies so ALL who want can use it.
> I am not a snotty you gotta doit cuz I did kinda guy.
> I am a member of the NCI <no code international>
> I did code because I had to, not because I want to. I think it sucks,
> it is at best moderatly efficient <MANUAL CODE THAT IS> and
> it is VERY unappetizing to the new ham. Lets face it, if we don't do
> something with these bands, they are going to be taken away.
>
> hf, vhf, uhf, shf and light bands need to be utilized for retention.
>
> look at what the code barrier created on 3853, 3894, 3850, 3950,

> 14.313----and by the way just WHERE IS RAINCOAT CHARLIE??
> don't forget to mention the casual redneck who got this here radio
> at the hamfest......no call at all
>
> GIMME A BREAK!
>
> let people face their ham radio tenure on thier own. IF they want it,
> support them, if they don't support them, don't alienate them
>
>
>
> piss me off, and I will flip a bugger on your windshield!
>
> KD5AMZ temporary AG
>
>

From 2201535701276501953
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: cute@radiotelephone.net.PAS_DE_SPAM (Cutie Boy)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <359b98ef.507891@news.total.net>#1/1
X-Deja-AN: 368093841
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359B83DB.6CE64B74@mail.frii.com>
Organization: Cute !
Reply-To: cute@radiotelephone.net.PAS_DE_SPAM
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

On Thu, 02 Jul 1998 06:58:03 -0600, Rod Cerkoney <rwc@mail.frii.com>
wrote:

>

>
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>
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>> code" vs "no code" emotions.
>>
>
>Me too.
>
>My thought: Let's really put some substance into the need-for-CW requlations, by
>requiring yearly recertification of CW skills, at some modest speed of say
>10WPM.

yep. I support 50 WPM. go for it.   destroy ham radio now. great
job. good job.   100 WPM ? of course.   CW will kick the all idiots
out from ham radio eh... do it.   Leave the freq unusued and "we"
will take YOUR freq.   MAKE MORE STRICT CW REQUIREMENT
NOW!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

Cutie Boy (CB) ou Joli Gar�on(�galement connu comme M@S@)
Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
�tudient @ Informatique et Math�matiques d'Universit� McGill
Montr�al, Qu�bec, Canada
C�: cute@radiotelephone.net.PAS_DE_SPAM
URL : http://www.radiotelephone.net   (Universel)
       /amateur/   (Radio) /mcgill/ (Universit� McGill)
          /examiner/ (Examens de U.McGill)
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ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non sollicit�s!!
Please remove ".PAS_DE_SPAM" to reply.

From -1119025088105168447
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5

X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: "enfield" <enfield@enfield.crosslink.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <01bda563$b8fa5200$05d4b526@KGCmptrd.crosslink.net>#1/1
X-Deja-AN: 368103551
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
X-Trace: 2 Jul 1998 01:47:09 -0600, 38.181.212.5
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Better yet, imagine yourself in a National Park or Forest when the disaster occurs, with neither Bic nor matches (both ruined by the disaster). The only way to save yourself and family is to start a fire quickly using flint and steel. It follows that this archaic skill could save your life - therefore everyone who wants to venture into any National Park or Forest should, by law, be required to demonstrate his/her ability to find an appropriate flint and start a fire with flint and steel within one minute. Otherwise, you have no business venturing out of town ... right??

Rudi Wiedemann <wiedemann@home.com> wrote in article
<KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>...
> I've been "lurking" in these newsgroups, reading all the trash about
"know
> code" vs "no code" emotions.
>
> It's real simple.......put yourself into your favorite natural or
man-made
> disaster REGION WIDE scenario,...

From -890106858373202020
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5

X-Google-Attributes: gid10ed5f,public
From: Fran <fmhuguet@wi.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <359BB4B1.C6AC4FB0@wi.net>
X-Deja-AN: 368122874
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359AF3AA.37F53546@wi.net>
Content-Type: multipart/alternative;
boundary="------------6F6F886C9C3A4D8DA6B2361F"
X-Complaints-To: abuse@tcccom.net
X-Trace: newsfeed2.tcccom.net 899396774 16552 207.227.48.5 (2 Jul 1998 16:26:14 GMT)
Organization: TCC Communications
Mime-Version: 1.0
NNTP-Posting-Date: 2 Jul 1998 16:26:14 GMT
Reply-To: fmhuguet@wi.net
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

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Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

i appreciated the response. unfortunately there was not one within the guidelines.
the incidents that were mentioned were either too old, or out of the geographic constraint, or both. Although the lack of data does not conclusively prove anything, it does hint at the fact that we have entered a technological era in which
we never (or very rarely) utilize the final "most robust" communication mode, cw, in
times of emergency. Don't get me wrong. I think code is fun (still learning though). However, I believe the era of code as a likely final straw has ended. Sure, the occurance of a cw only method emergency communication for the us ham is possible, however it is microscopically probable. Someone has sited the longstanding naval use of cw... well, you neglected to mention that its use in that
context has ended. There is absolutely no doubt that cw deserves a special place in
the annals of human communication history. However, the rationale that i hear for continued cw requirements are pretty weak. in the end, most of these debate down to
an emotional basis. a few of the rationale for pro-code that i have heard are:

1)last resort common mode
2)limits hf licensees
3)essense of a ham
4)makes a better ham
5)keeps out "lids"

6)other

responses:

1. technically, the robustness and simplicity of cw can not be denied. the commonality is also a powerful argument. however, the fundamental flaw is in the "last resort" qualification. The likelyhood of ever needing the absolutely "last resort" mode for a us ham is pretty darn low. the us govt. has come to the same conclusion as they have dropped cw as the naval last resort.

for the sake of argument, lets say we are forced to use cw as our last resort. do i really nead to send 20 wpm? or would the necessary data get through at 5wpm. i
submit that any scenario that needs 20wpm for rescue response time arguments is invalid because cw would undoubtedly not be the last viable resort in those cases. now, lets say we have the nuclear, asteroid, or aliens, scenario and cw is all we have... i think even 1 wpm would cut it then. so what is with the 20wpm requirement? i submit it is not about necessity, but something that is a little darker in human nature.

2. it would seem that the code requirements do in fact limit the number of hf licenses. however, i submit that many that do take the plunge, learn the code for the test only. given that factoid, i believe the time could be better spent learning more theory, regulations, or operations. perhaps a ham related community service requirement, or so many hours working with an hf licensee or something. bottom line: hf license numbers could be restricted in a number of other, more pertinent ways.

3. i have only heard this one a few times, but i believe there are more out there
that believe this than one would suspect. my only reponse is, i solute you. i tend
to believe that this was the way it used to be and contrary to current popular disimformation, the change in thinking is not a result of a need for "instant gratification". sure, for some nc's this may be true. however, i believe that most
of them would rather spend the code study time on heavier theory, operations, or regulation test preparation.... something that they believe more pertinent to the modern communication era.

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5. wrong. these people are on every band and can hold any class of license. how
many ham club ex-officers cause trouble on uhf/vhf repeaters?... these people are typically hf licensed... in my experience (thus far).

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i should say, if i haven't already... i am a nc tech. i am currently learning code
to upgrade my license. i think cw is fun. although i didn't necessarily feel that

way when i started. i also feel that hf phone and cw certification should be separated, as they have little to do with each other.

fran

Fran wrote:

> i am interested in hearing some anecdotes concerning emergency communications in
> which cw was the only viable, available communication mode. please limit the
> evidence to the past 10 years and to the usa. evidence such as this is the
> proof in the pudding. the more the better.
>
> fran
>
> Rudi Wiedemann wrote:
>
> > I've been "lurking" in these newsgroups, reading all the trash about "know
> > code" vs "no code" emotions.
> >
> > It's real simple.......put yourself into your favorite natural or man-made
> > disaster REGION WIDE scenario, and the start pulling the plug on your
> > computer, your phone lines, your TV, cable service, your cell phone, and of
> > course the rest of your power, water, sewage, garbage pickup.........then
> > soon the police, fire, and ambulance services become overwhelmed.
> >
> > Now that you're sitting there in the dark, with injured and scared family or
> > friends, WHO YOU GONNA CALL???   YEAH, RIGHT, 911, HAH!!!!
> >
> > How can you make DAMNED sure you can get a message about you, your family or
> > friends OUT OF THE EFFECTED AREA?
> >
> > The local VHF/UHF repeater towers are pretzels. The CB bands are full of
> > looters waiting to hear would-be victims calling for help. With all the
> > power line failures, the airwaves have some SERIOUS QRM, so voice
> > communications is all but impossible.
> >
> > The bottom line is simple physics.......CW is the MOST ROBUST means of long
> > distance communications when all else fails. I don't need fancy computers
> > and software. I don't need repeaters. I don't need TNCs. I need only a
> > simple power source, like a car battery, a radio, a dipole, and a key.
> >
> > I maintain that THIS is why Ham Radio has a well-deserved reputation for
> > providing disaster communication worldwide. It's because of trained and
> > self-disciplined operators who commit themselves to be prepared to offer
> > their valuable assistance to their affected community. Hell, isn't that a

```
> > big part of what Field Day is all about?
> >
> > So, for my money, I say to those who want "instant gratifaction" by dropping
> > code to gain HF privileges............get proficient in code NOT because the
> > FCC says you need to, but rather because it's smart!  Let's not lower
> > another chin-bar so more people can "fall backwards" over it.  Instead,
> > let's do our part to help raise more enthusiasts to gain a valuable skill.
> >
> > Rudi Wiedemann - KF6RLQ
> > wiedemann@home.com



--------------6F6F886C9C3A4D8DA6B2361F
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<HTML>
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<BR>
<BR>
<BR>
<BR>
<BR>
<BR>
<BR>

```
<BR>&nbsp;

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<BR>>
<BR>> It's real simple.......put yourself into your favorite natural or
man-made
<BR>> disaster REGION WIDE scenario, and the start pulling the plug on
your
<BR>> computer, your phone lines, your TV, cable service, your cell phone,
and of
<BR>> course the rest of your power, water, sewage, garbage pickup.........then
<BR>> soon the police, fire, and ambulance services become overwhelmed.
<BR>>
<BR>> Now that you're sitting there in the dark, with injured and scared
family or
<BR>> friends, WHO YOU GONNA CALL???&nbsp;&nbsp;&nbsp; YEAH, RIGHT, 911,&nbsp;
HAH!!!!
<BR>>
<BR>> How can you make DAMNED sure you can get a message about you, your
family or
<BR>> friends OUT OF THE EFFECTED AREA?
<BR>>
<BR>> The local VHF/UHF repeater towers are pretzels.&nbsp; The CB bands
are full of
<BR>> looters waiting to hear would-be victims calling for help.&nbsp;
With all the
<BR>> power line failures, the airwaves have some SERIOUS QRM, so voice
<BR>> communications is all but impossible.
<BR>>
<BR>> The bottom line is simple physics.......CW is the MOST ROBUST means
of long
<BR>> distance communications when all else fails.&nbsp; I don't need fancy
computers
<BR>> and software.&nbsp; I don't need repeaters.&nbsp; I don't need TNCs.&nbsp;
I need only a
<BR>> simple power source, like a car battery, a radio, a dipole, and a
key.
<BR>>
```

```
<BR>> I maintain that THIS is why Ham Radio has a well-deserved reputation
for
<BR>> providing disaster communication worldwide.&nbsp; It's because of
trained and
<BR>> self-disciplined operators who commit themselves to be prepared to
offer
<BR>> their valuable assistance to their affected community.&nbsp; Hell,
isn't that a
<BR>> big part of what Field Day is all about?
<BR>>
<BR>> So, for my money, I say to those who want "instant gratifaction"
by dropping
<BR>> code to gain HF privileges...........get proficient in code NOT
because the
<BR>> FCC says you need to, but rather because it's smart!&nbsp; Let's
not lower
<BR>> another chin-bar so more people can "fall backwards" over it.&nbsp;
Instead,
<BR>> let's do our part to help raise more enthusiasts to gain a valuable
skill.
<BR>>
<BR>> Rudi Wiedemann - KF6RLQ
<BR>> wiedemann@home.com</BLOCKQUOTE>
&nbsp;</HTML>

--------------6F6F886C9C3A4D8DA6B2361F--
```

```
From -7160084765680527743
X-Google-Language: FRENCH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
From: cute@radiotelephone.net.PAS_DE_SPAM (Cutie Boy)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <359bbfe3.838838@news.total.net>#1/1
X-Deja-AN: 368141192
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359AF3AA.37F53546@wi.net> <359BB4B1.C6AC4FB0@wi.net>
```

Reply-To: cute@radiotelephone.net.PAS_DE_SPAM
Organization: Cute !
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

On Thu, 02 Jul 1998 11:26:25 -0500, Fran <fmhuguet@wi.net> wrote:

>way when i started. i also feel that hf phone and cw certification should be
>separated, as they have little to do with each other.
>
>fran

fog: know code = know ham.

watch out for old fogs !!!!!!

____
Cutie Boy (CB) ou Joli Gar�on(�galement connu comme M@S@)
Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
�tudient @ Informatique et Math�matiques d'Universit� McGill
Montr�al, Qu�bec, Canada
C�: cute@radiotelephone.net.PAS_DE_SPAM
URL : http://www.radiotelephone.net   (Universel)
       /amateur/   (Radio) /mcgill/ (Universit� McGill)
           /examiner/ (Examens de U.McGill)
Support No Morse Code Testing Requirement for Amateur Radio !
http://www.nocode.org; http://www.radiotelephone.net/no-code/

____
Enlevez l' ".PAS_DE_SPAM" pour r�pondre.
ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non sollicit�s!!
Please remove ".PAS_DE_SPAM" to reply.

From 6326257975202798313
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public

X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
From: cop@net.com (HAM RADIO @ ITS BEST)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <TyPm1.274$ig.577993@pm01nn>#1/1
X-Deja-AN: 368145832
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359b6294.1603984@news.total.net> <359B80E1.660CF07@mail.frii.com>
<359b83f9.2696546@news.total.net>
NNTP-Posting-Date: Thu, 02 Jul 1998 17:36:51 GMT
Organization: FUZZ
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <359b83f9.2696546@news.total.net>, cute@radiotelephone.net.PAS_DE_SPAM
wrote:
>On Thu, 02 Jul 1998 06:45:21 -0600, Rod Cerkoney <rwc@mail.frii.com>
>wrote:
>
>>Cutie Boy wrote:
>
>>...blah, blah, blah deleted...
>
>mass irrelevant blahs deleted.
>
>>Remain silent and be thought a fool, open mouth and remove all doubt!
>>
>>CB--you are an embarrassment to all hard working, modest, Japanese people.
> Your
>>ideas a poorly thought out, and you articulation of those ideas is even worse!
>
>
>are you one of the pro-CWers who show your CW keyers to your neighbour
>saying you are proud of knowing morse code and be ready for nuclear
>wars with it ??
>
>you have a limit of as strange as you can be !!!!!
>
Get real and get a life CB.

COP
>
>
>____
>Cutie Boy (CB) ou Joli Gar�on(�galement connu comme M@S@)

>Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
>�tudient @ Informatique et Math�matiques d'Universit� McGill
>Montr�al, Qu�bec, Canada
>C�: cute@radiotelephone.net.PAS_DE_SPAM
>URL   : http://www.radiotelephone.net   (Universel)
>   /amateur/   (Radio) /mcgill/ (Universit� McGill)
>   /examiner/ (Examens de U.McGill)
>Support No Morse Code Testing Requirement for Amateur Radio !
>http://www.nocode.org; http://www.radiotelephone.net/no-code/
>____
>***Enlevez l' ".PAS_DE_SPAM" pour r�pondre.***
>ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non sollicit�s!!
>***Please remove ".PAS_DE_SPAM" to reply.***

From -4593417231151218792
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: cop@net.com (HAM RADIO @ ITS BEST)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <HzPm1.275$ig.577993@pm01nn>#1/1
X-Deja-AN: 368145833
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359B83DB.6CE64B74@mail.frii.com> <359b98ef.507891@news.total.net>
NNTP-Posting-Date: Thu, 02 Jul 1998 17:37:43 GMT
Organization: FUZZ
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <359b98ef.507891@news.total.net>, cute@radiotelephone.net.PAS_DE_SPAM
wrote:
>On Thu, 02 Jul 1998 06:58:03 -0600, Rod Cerkoney <rwc@mail.frii.com>
>wrote:
>
>>
>>

```
>>Rudi Wiedemann wrote:
>>
>>> I've been "lurking" in these newsgroups, reading all the trash about "know
>>> code" vs "no code" emotions.
>>>
>>
>>Me too.
>>
>>My thought: Let's really put some substance into the need-for-CW requlations,
> by
>>requiring yearly recertification of CW skills, at some modest speed of say
>>10WPM.
>
>
>yep.  I support 50 WPM.  go for it.    destroy ham radio now.  great
>job.  good job.   100 WPM ?  of course.   CW will kick the all idiots
>out from ham radio eh...  do it.      Leave the freq unusued and "we"
>will take YOUR freq.    MAKE MORE STRICT CW REQUIREMENT
>NOW!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
>
>
Only people like you will be destroying ham radio.  Get a life.


COP
>
>
>______________________________________________________________________
>Cutie Boy (CB) ou Joli Gar�on(�galement connu comme M@S@)
>Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
>�tudient @ Informatique et Math�matiques d'Universit� McGill
>Montr�al, Qu�bec, Canada
>C�: cute@radiotelephone.net.PAS_DE_SPAM
>URL     : http://www.radiotelephone.net            (Universel)
>          /amateur/   (Radio) /mcgill/ (Universit� McGill)
>          /examiner/ (Examens de U.McGill)
>Support No Morse Code Testing Requirement for Amateur Radio !
>http://www.nocode.org; http://www.radiotelephone.net/no-code/
>______________________________________________________________________
>***Enlevez l' ".PAS_DE_SPAM" pour r�pondre.***
>ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non sollicit�s!!
>***Please remove ".PAS_DE_SPAM" to reply.***



From 7659891174295897067
X-Google-Language: FRENCH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
```

X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
From: cop@net.com (HAM RADIO @ ITS BEST)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <HAPm1.276$ig.577993@pm01nn>#1/1
X-Deja-AN: 368145834
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359AF3AA.37F53546@wi.net> <359BB4B1.C6AC4FB0@wi.net>
<359bbfe3.838838@news.total.net>
NNTP-Posting-Date: Thu, 02 Jul 1998 17:38:47 GMT
Organization: FUZZ
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <359bbfe3.838838@news.total.net>, cute@radiotelephone.net.PAS_DE_SPAM wrote:
>On Thu, 02 Jul 1998 11:26:25 -0500, Fran <fmhuguet@wi.net> wrote:
>
>>way when i started. i also feel that hf phone and cw certification should be
>>separated, as they have little to do with each other.
>>
>>fran
>
>
>
>fog: know code = know ham.
>
>
>watch out for old fogs !!!!!!
>
>
Go back to Japan where they think you are a Cutie Boy.
Get a life!

COP
>
>
>____
>Cutie Boy (CB) ou Joli Gar�on(�galement connu comme M@S@)
>Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
>�tudient @ Informatique et Math�matiques d'Universit� McGill
>Montr�al, Qu�bec, Canada
>C�: cute@radiotelephone.net.PAS_DE_SPAM
>URL   : http://www.radiotelephone.net   (Universel)

>   /amateur/   (Radio) /mcgill/ (Universit� McGill)
>   /examiner/ (Examens de U.McGill)
>Support No Morse Code Testing Requirement for Amateur Radio !
>http://www.nocode.org; http://www.radiotelephone.net/no-code/
>____
>***Enlevez l' ".PAS_DE_SPAM" pour r�pondre.***
>ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non sollicit�s!!
>***Please remove ".PAS_DE_SPAM" to reply.***

From 7693156225032060766
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: NE7X <NE7X@amsat.org>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <359BCD95.6ACB@amsat.org>#1/1
X-Deja-AN: 368155016
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359AF3AA.37F53546@wi.net> <359b636f.1822644@news.total.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Organization: iEARS, CADXA, AMSAT & ARRL Member
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc

First of, please remove this discussion from the rec.radio.equipment and rec.radio.amateur.dx news groups. Those news groups are not the place for this discussion and is only causes QRM and bandwidth consumption.

Second, it is correct, Morse Code today is an obsolete form of radio communications when it comes to commercial applications. However amateur radio is a "hobby", not a commercial form of communications. Since Amateur Radio is a hobby, knowing CW is knowing the lowest basic level of radio communications between a human and a machine (transmitter/receiver). It does not take much equipment or money for radio communications to occur between individuals.

There is also lots of tradition here which I think many new comers to the hobby are missing. Tradition has a value to preserve history for generations to come. Most of the older hams who have been around for years can understand what I am saying. There is a fear among the older amateur radio community that if CW is abolished, the art will be lost along with the dinosaurs.

Third, the CW requirement is a hurdle. To get a HF amateur radio license today in the US, the person needs to put out an effort. This takes time and energy, in other words, WORK!

So its my opinion there are only two reasons (a few minor exceptions) why individuals want the code requirement abolished:

1) They have a fear of failure. Taking a test of any kind, including a Morse Code test, frightens people away from wanting to take a risk.

2) Their just plain lazy to make an effort to learn it. They want something for free. This sure sounds like liberalism speaking.

Shucks, why not just give these individuals everything else for free! (ie: drivers licensee, welfare, Collage education, etc.) It appears the US is turning more and more liberal every day. Abolishment of the CW requirement is yet another example of individuals wanting something for nothing, ak: liberalism.

After all, lots of the stuff you learn in collage today has nothing to do with real world issues. You only learn this obsolete stuff because it makes you think and apply the EFFORT for accomplishment! This is half of what a collage degree is, it proves to society that you can make the effort.

Today when the ARRL takes a pole (vote) to see if the CW requirements should become abolish, the overwhelming voting membership votes in favor to keep the CW requirement. Most ARRL members are the individuals who have their CW requirement license indorsement. The ARRL then takes this voice to the FCC representing the Amateur radio community. The majority of the individuals complaining about having to take a CW test are either not ARRL members, or they are the ones who do not have the CW requirement indorsement.

My suggestion would be if the individuals complaining really want to abolish the CW requirements, those individuals should join the ARRL and become a voting member first. Then when they become the majority, then they can vote to abolish the CW requirement. Debating the issue here on the Internet is fun and entertaining, and stirs up lots of comments and emotions, However all the effort spent here on the intenet from no CW individuals has no baring on the FCC making a ruling.

So until that day comes, I will continue to vote "yes" every time to keep CW as an requirement for the Amateur Radio hobby. I feel its good for the hobby and its good for society not lowing standards every time for a few lazy indivuals!

NE7X...

From 3626628300939745230
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: T E I X E I R A <teixeira@ccnet.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <359BD6CE.6B6B@ccnet.com>#1/1
X-Deja-AN: 368166526
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
Content-Type: text/plain; charset=us-ascii
Organization: T E I X E I R A
Mime-Version: 1.0
Reply-To: teixeira@ccnet.com
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

When is this nocode nonsense going to stop.....Someone joins a hobby and then they want to change it because they can't or won't learn code..... When is this nonsense going to stop? Would you expect golfers to make bigger golf balls because you can't hit the little ones?

Don, W6IQ

From -3543297615389001381
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public

X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: "tcrpe" <tcrpe@yahoo.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <1xQm1.107$xT.1901853@no-cha>#1/1
X-Deja-AN: 368166527
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com> <359B83DB.6CE64B74@mail.frii.com> <359b98ef.507891@news.total.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: Lightspeed Net
NNTP-Posting-Date: Thu, 02 Jul 1998 11:43:09 PDT
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

There are always people who want the privileges with paying their dues. They want exceptions and special considerations. It is because they are either too lazy or too stupid to do what everyone else does. Give them VHF access without the code, and soon enough they want H.F. access. I not saying there are no idiots or lids out there -- tune up 7.258 sometime. Want to know what the HF bands will be like with no-coders? Tune up 27.035. Next thing they will want access to your station -- because theirs doesn't work as well. And while they are there -- how about a beer. Hey, and what's for dinner?

Some people just con't understand NO!

Cutie Boy doesn't need H.F. access. Give him a 11 meter linear instead.

What is so hard about learning the code? If you have half a brain....................

TR

Cutie Boy wrote in message <359b98ef.507891@news.total.net>...
>On Thu, 02 Jul 1998 06:58:03 -0600, Rod Cerkoney <rwc@mail.frii.com>
>wrote:
>
>>
>>
>>Rudi Wiedemann wrote:
>>
>>> I've been "lurking" in these newsgroups, reading all the trash about
"know
>>> code" vs "no code" emotions.

```
>>>
>>
>>Me too.
>>
>>My thought: Let's really put some substance into the need-for-CW
requlations, by
>>requiring yearly recertification of CW skills, at some modest speed of say
>>10WPM.
>
>
>yep.  I support 50 WPM.  go for it.    destroy ham radio now.  great
>job.  good job.   100 WPM ?  of course.   CW will kick the all idiots
>out from ham radio eh...  do it.      Leave the freq unusued and "we"
>will take YOUR freq.    MAKE MORE STRICT CW REQUIREMENT
>NOW!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
>
>
>
>
>________________________________________________________________________
>Cutie Boy (CB) ou Joli Gar�on(�galement connu comme M@S@)
>Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
>�tudient @ Informatique et Math�matiques d'Universit� McGill
>Montr�al, Qu�bec, Canada
>C�: cute@radiotelephone.net.PAS_DE_SPAM
>URL : http://www.radiotelephone.net            (Universel)
>   /amateur/   (Radio) /mcgill/ (Universit� McGill)
>          /examiner/ (Examens de U.McGill)
>Support No Morse Code Testing Requirement for Amateur Radio !
>http://www.nocode.org; http://www.radiotelephone.net/no-code/
>________________________________________________________________________
>***Enlevez l' ".PAS_DE_SPAM" pour r�pondre.***
>ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non
sollicit�s!!
>***Please remove ".PAS_DE_SPAM" to reply.***





From -378692583410995989
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
```

```
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: Dwight W9YQ <dgbcms@netnet.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <359B47AA.AC2122F4@netnet.net>#1/1
X-Deja-AN: 368188649
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359AF3AA.37F53546@wi.net>
Content-Type: text/plain; charset=us-ascii
Organization: Inc.Net http://www.inc.net
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc
```

Fran wrote:

> i am interested in hearing some anecdotes concerning emergency communications in
> which cw was the only viable, available communication mode. please limit the
> evidence to the past 10 years and to the usa. evidence such as this is the
> proof in the pudding. the more the better.
>
> fran

...... and how about the article that appeared in QST recently regarding the ham that had a stroke, CW was the only way for his family and him to communicate.

--
73 .. Dwight .. de W9YQ .. Fists 2765

```
From -2359527166497360033
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
```

X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: "Mike" <mikere1"spam"@netwave.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <6ngq48$de$1@supernews.com>#1/1
X-Deja-AN: 368194747
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359AF3AA.37F53546@wi.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Complaints-To: newsabuse@supernews.com
X-Trace: 899410888 MZYUZJ1IN252BD164C usenet52.supernews.com
Organization: The World's Usenet -- http://www.Supernews.com
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

On December 31, 1997, just hours before the British government ended Morse code monitoring of 500 KHz at shore stations, a freighter in the North Atlantic, the Bahamian M/V Oak, a 13,000 ton freighter carrying a cargo of wood sent an "SOS" using Morse code.

"SOS SOS This is Oak. Position 53 16N 24 50W Stop Engine. We need assistance." The ship was heavy in seas, and the cargo had shifted. She also lost power, and was sinking. The call was answered by a British shore station, and a Royal Air Force "Nimrod" was soon orbiting overhead. The crew abandoned the ship shortly thereafter, and was rescued.

Source: Worldradio Magazine, May 1988. Page 22.

I've read numerous accounts of Morse in action however, this reference was handy.

Mike
N9BOR

Fran wrote in message <359AF3AA.37F53546@wi.net>...
>i am interested in hearing some anecdotes concerning emergency
communications in
>which cw was the only viable, available communication mode. please limit
the
>evidence to the past 10 years and to the usa. evidence such as this is the
>proof in the pudding. the more the better.
>
>fran

From -3259646470786144345
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: "Rick" <rickmudd@teleport.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <01bda5fb$7ee73d60$97806ac6@pavilion>#1/1
X-Deja-AN: 368199342
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359BD6CE.6B6B@ccnet.com>
NNTP-Posting-Date: Thu, 02 Jul 1998 13:56:16 PDT
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Well, they did go to those huge drivers for those folks who couldn't hit far enough with the littler ones...

T E I X E I R A <teixeira@ccnet.com> wrote in article
<359BD6CE.6B6B@ccnet.com>...
> When is this nocode nonsense going to stop.....Someone joins a hobby and
> then they want to change it because they can't or won't learn code.....
> When is this nonsense going to stop? Would you expect golfers to make
> bigger golf balls because you can't hit the little ones?
>
> Don, W6IQ
>

From -1229018803105827711
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public

X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: "Graham" <tex@mex.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <359c08f7.0@news.surfsouth.com>#1/1
X-Deja-AN: 368226353
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359b6294.1603984@news.total.net> <359B80E1.660CF07@mail.frii.com>
<359b83f9.2696546@news.total.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Trace: 2 Jul 1998 18:26:54 GMT, 204.189.116.18
Organization: Surf South, Inc.
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Cutie Boy wrote in message <359b83f9.2696546@news.total.net>...

>>Cutie Boy wrote:
>are you one of the pro-CWers who show your CW keyers to your >neighbour
saying you are proud of knowing morse code and be ready for

--SNIP----------------------

I think he has "keyer envy"

Graham

From -8866272442364659236
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public

X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
From: "Graham" <tex@mex.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <359c07d4.0@news.surfsouth.com>#1/1
X-Deja-AN: 368226354
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<01bda563$b8fa5200$05d4b526@KGCmptrd.crosslink.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Trace: 2 Jul 1998 18:22:03 GMT, 204.189.116.18
Organization: Surf South, Inc.
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

enfield wrote in message
<01bda563$b8fa5200$05d4b526@KGCmptrd.crosslink.net>...
>Better yet, imagine yourself in a National Park or Forest when the disaster
>occurs, with neither Bic nor matches (both ruined by the disaster). The
>only way to save yourself and family is to start a fire quickly using flint
>and steel. It follows that this archaic skill could save your life -
>therefore everyone who wants to venture into any National Park or Forest
>should, by law, be required to demonstrate his/her ability to find an
>appropriate flint and start a fire with flint and steel within one minute.
>Otherwise, you have no business venturing out of town ... right??

The flaw in your logic (or lack of it) is the purpose of a national park is
NOT to provide emergency communications in the event of a disaster. That IS
the purpose and focus of amateur radio. Ever heard of field day? What do you
think its' purpose is? If you must be ready to provide emergency
communications, then why not be able to do that in as many ways possible?

From 5303232060210135706
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5

X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: cute@radiotelephone.net.PAS_DE_SPAM (Cutie Boy)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <359c0d00.2898060@news.total.net>#1/1
X-Deja-AN: 368231522
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com> <359B83DB.6CE64B74@mail.frii.com> <359b98ef.507891@news.total.net> <1xQm1.107$xT.1901853@no-cha>
Reply-To: cute@radiotelephone.net.PAS_DE_SPAM
Organization: Cute !
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

On Thu, 02 Jul 1998 18:43:09 GMT, "tcrpe" <tcrpe@yahoo.com> wrote:

>Want to know what the HF bands will be like with no-coders?

know the reality and get a life.   listen to 3950 now. a lot of them are extra hams.

>Some people just con't understand NO!

>Cutie Boy doesn't need H.F. access. Give him a 11 meter linear instead.

I don't use 11m either. Why use radiowaves for making DXs CQs and QSLs. What a hell.   I love to use phonepatches by using 2m repeaters though. It is practical. Everyone says it is cool to have free phone calls too and they show some interests afterwards (say   know code = know ham   and you will get these people away).

>What is so hard about learning the code? If you have half a
>brain...................

I have code. Sorry. I am, therefore, a good ham as coders suggest.

Cutie Boy (CB) ou Joli Gar�on(�galement connu comme M@S@)
Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
�tudient @ Informatique et Math�matiques d'Universit� McGill
Montr�al, Qu�bec, Canada

C�: cute@radiotelephone.net.PAS_DE_SPAM
URL : http://www.radiotelephone.net   (Universel)
       /amateur/   (Radio) /mcgill/ (Universit� McGill)
          /examiner/ (Examens de U.McGill)
Support No Morse Code Testing Requirement for Amateur Radio !
http://www.nocode.org; http://www.radiotelephone.net/no-code/

Enlevez l' ".PAS_DE_SPAM" pour r�pondre.
ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non sollicit�s!!
Please remove ".PAS_DE_SPAM" to reply.

From -340451205595854994
X-Google-Language: FRENCH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: cute@radiotelephone.net.PAS_DE_SPAM (Cutie Boy)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <359c0d94.3045171@news.total.net>#1/1
X-Deja-AN: 368231523
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359BD6CE.6B6B@ccnet.com>
Reply-To: cute@radiotelephone.net.PAS_DE_SPAM
Organization: Cute !
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

On Thu, 02 Jul 1998 18:51:58 +0000, TEIXEIRA
<teixeira@ccnet.com> wrote:

>When is this nocode nonsense going to stop.....Someone joins a hobby and
>then they want to change it because they can't or won't learn code.....

I have code and I know code.   I also have Canadian Advanced as well
as all class Restricted Commercial License.   I have code so I am a
good ham eh ? Get a life.

Cutie Boy (CB) ou Joli Gar�on(�galement connu comme M@S@)
Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
�tudient @ Informatique et Math�matiques d'Universit� McGill
Montr�al, Qu�bec, Canada
C�: cute@radiotelephone.net.PAS_DE_SPAM
URL : http://www.radiotelephone.net   (Universel)
       /amateur/   (Radio) /mcgill/ (Universit� McGill)
           /examiner/ (Examens de U.McGill)
Support No Morse Code Testing Requirement for Amateur Radio !
http://www.nocode.org; http://www.radiotelephone.net/no-code/

Enlevez l' ".PAS_DE_SPAM" pour r�pondre.
ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non sollicit�s!!
Please remove ".PAS_DE_SPAM" to reply.

From -7367400337419559212
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: kd5amz@flash.net
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <359d0d8e.247864143@news.flash.net>#1/1
X-Deja-AN: 368243215
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359AF3AA.37F53546@wi.net> <359B47AA.AC2122F4@netnet.net>
Content-Type: text/plain; charset=us-ascii
Organization: me
Mime-Version: 1.0
Reply-To: kd5amz
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

```
On Thu, 02 Jul 1998 03:41:14 -0500, Dwight W9YQ <dgbcms@netnet.net>
wrote:

>
>
>Fran wrote:
>
>> i am interested in hearing some anecdotes concerning emergency communications
in
>> which cw was the only viable, available communication mode.  please limit the
>> evidence to the past 10 years and to the usa.  evidence such as this is the
>> proof in the pudding.  the more the better.
>>
>> fran
>
>...... and how about the article that appeared in QST recently regarding the ham
>that had a stroke, CW was the only way for his family and him to communicate.
>
>--
>73 .. Dwight .. de W9YQ .. Fists 2765
>
>
>

and it was thier choice.
that was my point,
if you want code, do hf
if you want hf do code long enough to get hf
then drop that sucker like a hot potato




From 7444705910236885902
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: kd5amz@flash.net
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
```

```
Message-ID: <35a02cd7.255874181@news.flash.net>#1/1
X-Deja-AN: 368272985
Content-Transfer-Encoding: 8bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359AF3AA.37F53546@wi.net> <359B47AA.AC2122F4@netnet.net>
<359d0d8e.247864143@news.flash.net> <359c29f5.10311290@news.total.net>
Mime-Version: 1.0
Reply-To: kd5amz
Content-Type: text/plain; charset=ISO-8859-1
Organization: me
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc


On Fri, 03 Jul 1998 00:47:09 GMT, cute@radiotelephone.net.PAS_DE_SPAM
(Cutie Boy) wrote:

>>and it was thier choice.
>>that was my point,
>>if you want code, do hf
>>if you want hf do code long enough to get hf
>>then drop that sucker like a hot potato
>
>yep.  increase code requirement speed to 50 WPM or something.  I am
>glad to support it.
>
>
>
>______________________________________________________________________
>Cutie Boy (CB) ou Joli Gar�on(�galement connu comme M@S@)
>Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
>�tudient @ Informatique et Math�matiques d'Universit� McGill
>Montr�al, Qu�bec, Canada
>

who woke this idiot up?
I thought he went back to japan or something
<no I am not a bigot>




From -5774658552005638478
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
```

X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: kd5amz@flash.net
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <359f0e6f.248089101@news.flash.net>#1/1
X-Deja-AN: 368272986
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com> <359B1654.21E0C107@wf.quik.com>
Mime-Version: 1.0
Reply-To: kd5amz
Content-Type: text/plain; charset=us-ascii
Organization: me
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

On Wed, 01 Jul 1998 23:10:44 -0600, Curtis M LaFon <n5hdq@wf.quik.com> wrote:

>
>Well said and good point Rudy.
>However you are fighting the "me .. I want it now"
>mentality of so many people.
>
>--

I think that the real problem is that people get bashed for not
wanting to do code, then when they try they get bashed for not
doing it fast enough, then when they get faster, they got where
they <if they did really want it, they got there> wanted to go, quit
doing it and got bashed again

this happened to me, I started code practice <listening> about
a year ago, dropped it because of some of the local hams attitudes
and mannerisms heard on the hf bands, then decided to get it on
my own with no help from the geezer squad.
the guys in question were running a code class on a local repeater
and were real butheads about it.
I got my first dx today, yeah it was great, BUT I like vhf/uhf dx...
as well and that is where a lot of no coders are. Most of the people
that I talk to on the local repeaters are the guys who run them.
<there are only 3 that I frequent> and only 1 of those is nocode.
He works on the side fixing radios for EXTRA class hams.
as well as putting up thier towers and antennas <GRATIS
because that is what ham radio is all about, helping each other
out to defray costs and promote the hobby>

the biggest problem that I see for most new hams is that no one really
wants to help guide them in the direction that they want to go in.
After all it is the ham in question who should tell what his destiny
in the hobby is.
I know several VUCC and WAS award holders that are nocoders....
I also know one DXCC no coder!

>--
>FBI wants to register your guns under BRADY.
>You can help repeal BRADY. Info at my site:
>http://wf.quik.com/n5hdq
>Curtis .. N5HDQ ..
>
>
the above is EXCELLANT info, kill the BRADY bill and give us our
rights back.

I did not send this as a flame, or a vent, or even with one ounce of
malintent. I firmly believe what I typed, and hope that you can in
some way understand the reasons that I feel this way <and realize why
I am not alone feeling this way>

73 to you Curtis, and the group
and I hope to work you soon on HF/VHF/UHF/SHF/LIGHT
soon

kd5amz Temporary AG <soon AA with new call>

From -4384060608565504899
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
From: cute@radiotelephone.net.PAS_DE_SPAM (Cutie Boy)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/03
Message-ID: <359c29f5.10311290@news.total.net>#1/1

X-Deja-AN: 368258286
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359AF3AA.37F53546@wi.net> <359B47AA.AC2122F4@netnet.net>
<359d0d8e.247864143@news.flash.net>
Reply-To: cute@radiotelephone.net.PAS_DE_SPAM
Organization: Cute !
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

On Thu, 02 Jul 1998 04:34:16 GMT, kd5amz@flash.net wrote:

>On Thu, 02 Jul 1998 03:41:14 -0500, Dwight W9YQ <dgbcms@netnet.net>
>wrote:
>
>>
>>
>>Fran wrote:
>>
>>> i am interested in hearing some anecdotes concerning emergency communications
in
>>> which cw was the only viable, available communication mode. please limit the
>>> evidence to the past 10 years and to the usa. evidence such as this is the
>>> proof in the pudding. the more the better.
>>>
>>> fran
>>
>>...... and how about the article that appeared in QST recently regarding the ham
>>that had a stroke, CW was the only way for his family and him to communicate.
>>
>>--
>>73 .. Dwight .. de W9YQ .. Fists 2765
>>
>>
>>
>
>and it was thier choice.
>that was my point,
>if you want code, do hf
>if you want hf do code long enough to get hf
>then drop that sucker like a hot potato

yep. increase code requirement speed to 50 WPM or something. I am
glad to support it.

Cutie Boy (CB) ou Joli Gar�on(�galement connu comme M@S@)
Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
�tudient @ Informatique et Math�matiques d'Universit� McGill
Montr�al, Qu�bec, Canada

C�: cute@radiotelephone.net.PAS_DE_SPAM
URL : http://www.radiotelephone.net   (Universel)
       /amateur/   (Radio) /mcgill/ (Universit� McGill)
          /examiner/ (Examens de U.McGill)
Support No Morse Code Testing Requirement for Amateur Radio !
http://www.nocode.org; http://www.radiotelephone.net/no-code/

Enlevez l' ".PAS_DE_SPAM" pour r�pondre.
ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non sollicit�s!!
Please remove ".PAS_DE_SPAM" to reply.

```
From -3229969912695870823
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
From: Walt <m31@writeme.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/03
Message-ID: <6nhqu4$p35$1@news2.ispnews.com>#1/1
X-Deja-AN: 368319012
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359AF3AA.37F53546@wi.net> <359BB4B1.C6AC4FB0@wi.net>
Mime-Version: 1.0
NNTP-Posting-Date: 3 Jul 1998 05:41:24 GMT
Content-Type: text/plain; charset=us-ascii
X-Trace: news2.ispnews.com 899444484 25701 198.87.97.33 (3 Jul 1998 05:41:24 GMT)
Organization: ISPNews http://ispnews.com
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc
```

I didn't really want to get involved in this, but like everyone else, I just had to toss my opinon out there.

We must face it, code doesn't make a better amateur! I'm not even going to touch the to-code or not-to-code discussion. Rather I will try to point out the fact that just because an amateur knows code, that doesn't make them better then a no-code amateur. Sure there are a lot of no-code idiots out there, but there are also as many idiots out there with code!

I won't argue code out here, what I will say is, if you want to improve the quality of people entering the amateur service, then you should work on the writtem exams! That's where all the knowedge is people. Think about it! I mean, knowing code is like knowing French, English, or any language. Knowing another language doesn't make someone a better amateur, but knowing how a radio works does!

It's sad to hear new amateurs on the air asking how to program their ht's! Obviously something is wrong here, and it's not because of code. It's because our written exams aren't tough enough! I mean what's 55 question multi choice exam supposed to prove. Think about it, the guy already has the answers to the questions, what kind of exam is that? It's this multi choice thing that is killing us. What happened to the old days when you actually had to know something about radios and electronics to get your license? When you actually had to study for the exam!

I suggest we all stop arguing about code, and perhaps start to work on improving the quality of our written exams. 55 questions is just not good enough! And it shouldn't be a 100% multi choice exam, why not toss a few essay questions in there too? And for god sakes, stop releasing the answers!

Keep the code, loose the code, ether way we must address the lack of quality in our written exams.

Okay, now that I've said my peace, I'll get off of my soap-box. I just thought this was a point that needed to be addressed.

73 de Walt...

From 1282183942806607366
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,9cf4839c7df9b5d5

X-Google-Attributes: gidfa656,public
From: cute@radiotelephone.net.PAS_DE_SPAM (Cutie Boy)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/03
Message-ID: <359cb98e.1574347@news.total.net>#1/1
X-Deja-AN: 368370322
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359B83DB.6CE64B74@mail.frii.com> <359b98ef.507891@news.total.net>
<1xQm1.107$xT.1901853@no-cha> <359c0d00.2898060@news.total.net>
<359d8e01.1496424@news.dial.pipex.com>
Reply-To: cute@radiotelephone.net.PAS_DE_SPAM
Organization: Cute !
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

On Fri, 03 Jul 1998 08:38:57 GMT, no.junk.mail@thank.you (Walt Davidson) wrote:

>When I was in Canada, I found there were so many rules and regulations
>about what could/couldn't be said on a phone-patch call, it just
>wasn't worth the hassle. For example, whilst travelling in Vancouver
>Island I found I wasn't allowed to make a phone-patch call to make a
>motel reservation .... that was deemed to be "commercial traffic"!
>(Eventually, one of the local VE7's called the motel and made the
>reservation for me ... so what the hell!)

FCC and IC told us that we can use phonepatch for ordering the pizza as well as making reservations for hotels or getting taxi from the airport. It is their business for making the profit. We don't make even a cent from ordering the pizza. It's a pizzaman's business.

>In the United Kingdom and other European countries, of course, any
>phone-patch and other third party traffic is strictly forbidden.

then I will probably write the letter to UK when I live there. If you wanna change in something, you gotta do something !!   Once someone finds out that making a phone call is free, they will get the license right away and good way to keep ham spectrum.

Cutie Boy (CB) ou Joli Gar�on(�galement connu comme M@S@)
Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
�tudient @ Informatique et Math�matiques d'Universit� McGill
Montr�al, Qu�bec, Canada
C�: cute@radiotelephone.net.PAS_DE_SPAM
URL : http://www.radiotelephone.net   (Universel)
       /amateur/   (Radio) /mcgill/ (Universit� McGill)

/examiner/ (Examens de U.McGill)
Support No Morse Code Testing Requirement for Amateur Radio !
http://www.nocode.org; http://www.radiotelephone.net/no-code/

Enlevez l' ".PAS_DE_SPAM" pour r�pondre.
ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non sollicit�s!!
Please remove ".PAS_DE_SPAM" to reply.

From 6700859647409983278
X-Google-Language: FRENCH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: "Mike" <nospam@radio.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/03
Message-ID: <6njafk$iq1$1@supernews.com>#1/1
X-Deja-AN: 368480819
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359B83DB.6CE64B74@mail.frii.com> <359b98ef.507891@news.total.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Complaints-To: newsabuse@supernews.com
X-Trace: 899493172 MZYUZJ1IN2509D164C usenet77.supernews.com
Organization: The World's Usenet -- http://www.Supernews.com
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

More ramblings from a depraved minded "boy" whose psychiatrist(s) are
clueless as to what to do next for their gender confused patient.

Cutie Boy wrote in message <359b98ef.507891@news.total.net>...
>On Thu, 02 Jul 1998 06:58:03 -0600, Rod Cerkoney <rwc@mail.frii.com>
>wrote:

>yep. I support 50 WPM. go for it.   destroy ham radio now. great
>job. good job.   100 WPM ? of course.   CW will kick the all idiots
>out from ham radio eh... do it.   Leave the freq unusued and "we"

```
>will take YOUR freq.    MAKE MORE STRICT CW REQUIREMENT
>NOW!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
>
>______________________________________________________________________
>Cutie Boy (CB) ou Joli Gar�on(�galement connu comme M@S@)
>Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
>�tudient @ Informatique et Math�matiques d'Universit� McGill
>Montr�al, Qu�bec, Canada
>C�: cute@radiotelephone.net.PAS_DE_SPAM
>URL : http://www.radiotelephone.net            (Universel)
>   /amateur/   (Radio) /mcgill/ (Universit� McGill)
>          /examiner/ (Examens de U.McGill)
>Support No Morse Code Testing Requirement for Amateur Radio !
>http://www.nocode.org; http://www.radiotelephone.net/no-code/
>______________________________________________________________________
>***Enlevez l' ".PAS_DE_SPAM" pour r�pondre.***
>ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non
sollicit�s!!
>***Please remove ".PAS_DE_SPAM" to reply.***





From 9020992727911458322
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5f947ef5cedfe9b0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,5f947ef5cedfe9b0,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc2a5,5f947ef5cedfe9b0,start
X-Google-Attributes: gidfc2a5,public
From: Steve Bissell <swb1@flash.net>
Subject: FS: Duplexer (Decibel Products) DB4075 $400.00 OBO
Date: 1998/07/03
Message-ID: <359D5236.717C@flash.net>#1/1
X-Deja-AN: 368490469
Content-Transfer-Encoding: 7bit
Mime-Version: 1.0
Reply-To: swb1@flash.net
Content-Type: text/plain; charset=us-ascii
Organization: F.A.R.T , Fraternal Association of Radio Technicians
Newsgroups: rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.homebrew


FS: Duplexer (Decibel Products) DB4075 $400.00 OBO
This was used for 1 year. Perfect condition. With factory tuning
instructions



From -6695918663740356448
X-Google-Language: ENGLISH,ASCII-7-bit
```

X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: Lou Albert <lalbert@uakron.edu>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/03
Message-ID: <359D58FE.BAC307CE@uakron.edu>#1/1
X-Deja-AN: 368521126
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com> <359AF3AA.37F53546@wi.net> <359b636f.1822644@news.total.net> <359BCD95.6ACB@amsat.org>
Mime-Version: 1.0
To: NE7X <NE7X@amsat.org>
Content-Type: multipart/alternative; boundary="------------CE45D27C7F2E2D75032E4513"
X-Complaints-To: abuse@neo.lrun.com
X-Trace: akron5.neo.lrun.com 899504383 21790 (None) 204.210.198.181
Organization: The Institute for Idiotic Pursuits
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc

--------------CE45D27C7F2E2D75032E4513
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

There are people how have dyslexia and aphasia! Yes this is a hobby, and use CW if you want. But, the "ham" hobby is about dead, it just hasn't tropped. Where are the young communications "ham's" with the computer ant internet.

http://www.dyslexia.com/
http://ifip.com/aphasia.htm
http://ifip.com/wa8phd.htm

NE7X wrote: ...

--
Lou Albert (WA8PHD NCI-1477), Voice - 330-864-0650

http://www.ifip.com/
http://www.f-stopcamera.com/

--------------CE45D27C7F2E2D75032E4513

```
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<HTML>
There are people how have dyslexia and aphasia! Yes this is a hobby, and
use CW if you want.&nbsp; But, the "ham" hobby is about dead, it just hasn't
tropped. Where are the young communications "ham's" with the computer ant
internet.

<P><A HREF="http://www.dyslexia.com/">http://www.dyslexia.com/</A>
<BR><A HREF="http://ifip.com/aphasia.htm">http://ifip.com/aphasia.htm</A>
<BR><A HREF="http://ifip.com/wa8phd.htm">http://ifip.com/wa8phd.htm</A><B></B>

<P><B>NE7X wrote: ...</B>
<BR>&nbsp;

<P>--
<BR>Lou Albert (WA8PHD NCI-1477), Voice - 330-864-0650

<P><A HREF="http://www.ifip.com/">http://www.ifip.com/</A>
<BR><A HREF="http://www.f-stopcamera.com/">http://www.f-stopcamera.com/</A>
<BR>&nbsp;</HTML>

--------------CE45D27C7F2E2D75032E4513--




From 7089039477711408667
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
From: Daniel Calzaretta <pcrest@teleport.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/04
Message-ID: <359DA8F8.BF5DD2F4@teleport.com>#1/1
X-Deja-AN: 368583029
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<01bda563$b8fa5200$05d4b526@KGCmptrd.crosslink.net>
<359c07d4.0@news.surfsouth.com>
```

```
Content-Type: text/plain; charset=us-ascii
MIME-Version: 1.0
NNTP-Posting-Date: Fri, 03 Jul 1998 21:02:59 PDT
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc
```

Unfortunately, this argument is ultimately useless and self-defeating. Amateur radio will be gone in a few years because those who crave spectrum and can pay billions for it adore the fact that amateurs cannot unite.

Oh well, it was fun while it lasted.

```
From 7037151559449833359
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10cf20,db8506d07edf3ad7,start
X-Google-Attributes: gid10cf20,public
X-Google-Thread: 10c9e3,db8506d07edf3ad7,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,db8506d07edf3ad7,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1009ad,db8506d07edf3ad7,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: f7e88,db8506d07edf3ad7,start
X-Google-Attributes: gidf7e88,public
X-Google-Thread: fa656,db8506d07edf3ad7,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,db8506d07edf3ad7,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa029,db8506d07edf3ad7,start
X-Google-Attributes: gidfa029,public
From: "James A. Schnoor" <schnoor@wavetech.net>
Subject: Federal Signal Emerency Alert Receiver
Date: 1998/07/04
Message-ID: <6nlbg5$jj9$1@news3.mr.net>#1/1
X-Deja-AN: 368660827
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
Organization: [poster's organization not specified]
Newsgroups:
rec.radio.scanner,alt.radio.scanner,alt.disasters.planning,alt.emergency.services.
dispatcher,rec.radio.swap,rec.radio.amateur,rec.ham-radio.swap,rec.ham-
radio,rec.ham-radio.fm,rec.ham-radio.mods
```

Has anyone had any experience with the Federal Signal Corp Emergency Alert Receiver (EAR). It looks to me like it will work as a weather alert receiver for the new S.A.M.E. Format or as a fire alert receiver with to tone sequential. I found it at
http://www.fsws.com/ear.htm   Jim AA0FJ

From -7158894053834301192
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
From: Butch Magee <butchkay@netdoor.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/05
Message-ID: <359FF0F7.214B@netdoor.com>#1/1
X-Deja-AN: 368719872
Content-Transfer-Encoding: 8bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359B83DB.6CE64B74@mail.frii.com> <359b98ef.507891@news.total.net>
<6njafk$iq1$1@supernews.com> <EvKy1o.B9L@news2.new-york.net>
<359e7fc7.1692592@news.total.net>
Content-Type: text/plain; charset=iso-8859-1
Organization: Internet Doorway, Inc. -- http://www.netdoor.com/
MIME-Version: 1.0
NNTP-Posting-Date: Sun, 05 Jul 1998 16:33:29 CDT
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Would you please use your correct name or at least use your call sign.
I'm sure that I am not the only one offended by your fagget "handle".

Butch Magee, KF5DE
Cutie Boy wrote:
>
> De Sat, 4 Jul 1998 17:00:50 GMT, "niels" <niels@blast.net> a �crit
> dans le message:
>
> >How about this for a solution:
> >
> >Keep the code for the CW portions of the HF band and have a tougher written
> >exam for the phone portions of the HF bands and eliminate the code

> >requirement for the phone portions?
>
> I agree with u, but I don't know why you need to put a tougher exam
> for phone portion.   Tough exams will not make good hams (i.e. no
> swearing etc.)
>
> As u know, I have code and I can join 3950. Code doesn't make me good
> ham right ??
>
> ____
> Cutie Boy (CB) ou Joli Gar�on(�galement connu comme M@S@)
> Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
> �tudient @ Informatique et Math�matiques d'Universit� McGill
> Montr�al, Qu�bec, Canada
> C�: cute@radiotelephone.net.PAS_DE_SPAM
> URL   : http://www.radiotelephone.net   (Universel)
>   /amateur/   (Radio) /mcgill/ (Universit� McGill)
>   /examiner/ (Examens de U.McGill)
> Support No Morse Code Testing Requirement for Amateur Radio !
> http://www.nocode.org; http://www.radiotelephone.net/no-code/
> ____
> ***Enlevez l' ".PAS_DE_SPAM" pour r�pondre.***
> ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non sollicit�s!!
> ***Please remove ".PAS_DE_SPAM" to reply.***

From -1117801653247927566
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
From: duckman_osu@ionet.net (Dewayne "Duck" Moore)
Subject: Re: JUSTIFICATION FOR CW...or who is Cutie Boy?
Date: 1998/07/05
Message-ID: <35a00080.43794052@news.ionet.net>#1/1
X-Deja-AN: 368739616
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359B83DB.6CE64B74@mail.frii.com> <359b98ef.507891@news.total.net>
<6njafk$iq1$1@supernews.com> <EvKy1o.B9L@news2.new-york.net>
<359e7fc7.1692592@news.total.net> <359FF0F7.214B@netdoor.com>
Organization: ioNET Inc.

Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Butch, FYI...
   "Cutie Boy" is Masataka Noda, a young Japanese student in Canada.
He raises hell under several different monikers, my favorite being
"Code Sucker". He can be found on several other NG's. And, yes, Masa
is a licenced amateur radio operator, if you are wondering. He's
actually not as bad as he seems...just opinionated. But then, aren't
we all?? :)

Peace,
DUCK

On Sun, 05 Jul 1998 21:33:29 GMT, Butch Magee <butchkay@netdoor.com>
wrote:

>Would you please use your correct name or at least use your call sign.
>I'm sure that I am not the only one offended by your fagget "handle".
>
>Butch Magee, KF5DE
>Cutie Boy wrote:
>>
>> De Sat, 4 Jul 1998 17:00:50 GMT, "niels" <niels@blast.net> a �crit
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>>
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>>
>> As u know, I have code and I can join 3950. Code doesn't make me good
>> ham right ??
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>> ____
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>> Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
>> �tudient @ Informatique et Math�matiques d'Universit� McGill
>> Montr�al, Qu�bec, Canada
>> C�: cute@radiotelephone.net.PAS_DE_SPAM
>> URL   : http://www.radiotelephone.net   (Universel)
>>   /amateur/   (Radio) /mcgill/ (Universit� McGill)
>>   /examiner/ (Examens de U.McGill)
>> Support No Morse Code Testing Requirement for Amateur Radio !
>> http://www.nocode.org; http://www.radiotelephone.net/no-code/

```
>> ______________________________________________________________________
>> ***Enlevez l' ".PAS_DE_SPAM" pour r�pondre.***
>> ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non sollicit�s!!
>> ***Please remove ".PAS_DE_SPAM" to reply.***
```

```
From -3534792587975337839
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: glenq@cyberhighway.net (Glen Quarnstrom)
Subject: Re: JUSTIFICATION FOR CW...or who is Cutie Boy?
Date: 1998/07/06
Message-ID: <35b16076.39282460@news.cyberhighway.net>#1/1
X-Deja-AN: 368830799
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359B83DB.6CE64B74@mail.frii.com> <359b98ef.507891@news.total.net>
<6njafk$iq1$1@supernews.com> <EvKy1o.B9L@news2.new-york.net>
<359e7fc7.1692592@news.total.net> <359FF0F7.214B@netdoor.com>
<35a00080.43794052@news.ionet.net>
Content-Type: text/plain; charset=us-ascii
Organization: CyberHighway Internet Services
Mime-Version: 1.0
Reply-To: glenq@cyberhighway.net
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc
```

duckman_osu@ionet.net (Dewayne "Duck" Moore) wrote:

```
>Butch,  FYI...
>   "Cutie Boy" is Masataka Noda, a young Japanese student in Canada.
>He raises hell under several different monikers, my favorite being
>"Code Sucker".  He can be found on several other NG's.  And, yes, Masa
>is a licenced amateur radio operator, if you are wondering.  He's
>actually not as bad as he seems...just opinionated.  But then, aren't
>we all??  :)
```

The problem is not Masa, he's fairly easy to filter out. The problem is all the idiots responding to him. I never see his posts firsthand, but I have to wade through dozens of idiots quoting him (complete with his stupid sig file) every damn day.

Be advised, I'm going to start killfiling anybody who flames Masa pretty soon. That should clean up the newsgroups quite a bit.

--
glenq@cyberhighway.net
WB7DOW

http://www.cyberhighway.net/~glenq/

From 3153244845061482878
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10cf20,db8506d07edf3ad7
X-Google-Attributes: gid10cf20,public
X-Google-Thread: 10c9e3,db8506d07edf3ad7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,db8506d07edf3ad7
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa656,db8506d07edf3ad7
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1109af,db8506d07edf3ad7
X-Google-Attributes: gid1109af,public
X-Google-Thread: f7e88,db8506d07edf3ad7
X-Google-Attributes: gidf7e88,public
X-Google-Thread: f76e2,db8506d07edf3ad7
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa029,db8506d07edf3ad7
X-Google-Attributes: gidfa029,public
From: cewelborne@adpc.purdue.edu (Chuck Welborne)
Subject: Re: Federal Signal Emerency Alert Receiver
Date: 1998/07/06
Message-ID: <35a0e152.6206384@news.cc.purdue.edu>#1/1
X-Deja-AN: 368916183
Content-Transfer-Encoding: 7bit
References: <6nlbg5$jj9$1@news3.mr.net> <6nn5jo$3mr$1@news3.mr.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Organization: Management Information, Purdue University
Newsgroups:
rec.radio.scanner,alt.radio.scanner,alt.disasters.planning,alt.emergency.services.dispatcher,rec.radio.swap,rec.radio.amateur,rec.ham-radio.swap,rec.ham-radio,rec.ham-radio.fm,rec.ham-radio.mods

On Sun, 5 Jul 1998 01:13:45 -0500, "James A. Schnoor"

<schnoor@wavetech.net> wrote:

>Sorry about that. How about http://www.fscfws.com/ear.htm
>James A. Schnoor wrote in message <6nlbg5$jj9$1@news3.mr.net>...
>>Has anyone had any experience with the Federal Signal Corp Emergency Alert
>>Receiver (EAR). It looks to me like it will work as a weather alert
>>receiver for the new S.A.M.E. Format or as a fire alert receiver with to
>>tone sequential. I found it at
>>http://www.fsws.com/ear.htm   Jim AA0FJ
>>

Hi James,

In my county we are selling them to the public. They have been configured with the tones in such a way that they are only activated if WE set them off. That way we can assure people that they will be heard only when a real emergency is happening locally. The local radio station which is contracted to perform EA broadcasts also sells a receiver, but that gets activated by them for six or seven different counties in the area.

The ones we sell get tested twice a month, once with the test for the school and hospital emergency receivers, and once with the outdoor siren test. Other than that they are only activated during an emergency in the county that would affect many people. And not just weather...

This also gives the public a radio they can use to find out about what is happening, rather than searching through local broadcast media stations who may or may not know yet what is going on...

I am told that they CAN be configured as a general EA receiver and will work anywhere in the country in that configuration. Having seen no advertising I would bet they use the SAME technology since they are relatively new. But that's just a guess. Hope this helps.

Charles Welborne -
Volunteer, Tippecanoe County
Emergency Management Agency (TEMA)
cewelborne@adpc.purdue.edu

I do not, of course, speak for my employer.

From 6784524469751148742
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10cf20,86672de8b910d04f,start
X-Google-Attributes: gid10cf20,public
X-Google-Thread: 10c9e3,86672de8b910d04f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,86672de8b910d04f,start

```
X-Google-Attributes: gidfa656,public
X-Google-Thread: 104ad1,86672de8b910d04f,start
X-Google-Attributes: gid104ad1,public
From: David <kb5ylg@gte.net>
Subject: Emergency Communicator event Nov 7 in Texas
Date: 1998/07/06
Message-ID: <6nquge$2pb$1@news-2.news.gte.net>#1/1
X-Deja-AN: 368937279
Content-Transfer-Encoding: 7bit
References: <3.0.2.32.19980704131754.007af920@mailbox.infinitytx.net>
Mime-Version: 1.0
Reply-To: kb5ylg@gte.net
To: "G.R. 'Scott' Cundiff" <grc@infinitytx.net>
Content-Type: text/plain; charset=us-ascii
Organization: gte.net
X-Auth: DD0CC40C0B82849250C28491
Newsgroups: dfw.general,alt.disasters.planning,rec.radio.amateur,rec.ham-radio
```

Nov 7, 1998, NCTECH 98, 7am-2pm followed by skywarn school....
North Central Texas Emergency Communicators Ham-festival

Theme is "emergency readiness."

Programs include CPR, First Aid, Skywarn, fitness, emergency communications, VE test session, indoor/outdoor swap market.

Event is hosted by Tri-County ARC of North Texas WC5C.

Sponsors: Azle Fire Department, All Saints Health System, National Weather Service, Red Cross.

Location: Azle, Texas near Fort Worth

More details and pre-registration form at
http://www.qsl.net/tcarc-ntx/index.html

```
From -4241478054264343217
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
```

```
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: gez <gez16@hotmail.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/06
Message-ID: <35A142A2.A6E8A65B@hotmail.com>
X-Deja-AN: 369022643
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<OkCm1.54$ZR6.213774@news2.randori.com> <359af8d0.177007686@news.flash.net>
<359b632a.1753623@news.total.net> <8RKm1.199$ig.367037@pm01nn>
Mime-Version: 1.0
To: "HAM RADIO @ ITS BEST" <cop@net.com>
Content-Type: multipart/alternative; boundary="------------
B2174872892398123ABC7FC8"
Organization: Virgin Net Usenet Service
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc



--------------B2174872892398123ABC7FC8
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

MORSE  SCRAP
IT>!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
ITS OUT DATED AND OUT MODED IE NO LONGER NEEDED.......
AND YES LOOK AT THE CALL SIGN................................................
IF ANYONE UNDERSTANDS IT..........................................
26 DT 377.......................................................
THE DT INTERNATIONAL DX GROUP DO A LOT OF WORK INTERNATIONALY FOR UNICEF AND OTHER
CHARITIES
SO ASK A STARVING ,BATTERED CHILD WHAT GOOD MORSE DID HER
26 DT 377...........

HAM RADIO @ ITS BEST wrote:

> In article <359b632a.1753623@news.total.net>,
cute@radiotelephone.net.PAS_DE_SPAM wrote:
> >On Wed, 01 Jul 1998 09:02:04 GMT, kd5amz@flash.net wrote:
> >
> >>the problem is that most people who would love to do HF have no
> >>interest in CW <at least the no coders I know around here>
> >>btw check me in the callbook in a couple of weeks..................not
> >>now as I just show tech +
> >
> >>I HATE code, I will NEVER do it again, and I LIKE saying that. I
> >
> >
> >I know.  Know code = Know ham.  No code = No ham.  Get the rid of all
> >idiots out of HF.  Sooooon there will be no once out there and gov't
> >will cut the freqs.  I love see that.
> >
> Hey CB get a life.  Maybe Canada should deport you.  Get the rid of all iditos
> out of Canada.  Sooooon there will be no once out there and gov't will cut off
> your well fare mony.  I love see that.
>
> COP
> >
> >
> >______________________________________________________________________
> >Cutie Boy (CB) ou Joli Gar�on(�galement connu comme M@S@)
> >Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
> >�tudient @ Informatique et Math�matiques d'Universit� McGill
> >Montr�al, Qu�bec, Canada
> >C�: cute@radiotelephone.net.PAS_DE_SPAM
> >URL     : http://www.radiotelephone.net            (Universel)
> >          /amateur/   (Radio) /mcgill/ (Universit� McGill)
> >          /examiner/ (Examens de U.McGill)
> >Support No Morse Code Testing Requirement for Amateur Radio !
> >http://www.nocode.org; http://www.radiotelephone.net/no-code/
> >______________________________________________________________________
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> >ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non sollicit�s!!
> >***Please remove ".PAS_DE_SPAM" to reply.***



--------------B2174872892398123ABC7FC8
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<HTML>
<FONT COLOR="#CC0000">MORSE&nbsp; SCRAP
IT>!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!</
FONT>
<BR><FONT COLOR="#CC0000">ITS OUT DATED AND OUT MODED IE NO LONGER NEEDED.......</
FONT>
<BR><FONT COLOR="#CC0000">AND YES LOOK AT THE CALL
SIGN................................................</FONT>
<BR><FONT COLOR="#CC0000">IF ANYONE UNDERSTANDS
IT........................................</FONT>
<BR><FONT COLOR="#CC0000">26 DT
377......................................................</FONT>
<BR><FONT COLOR="#CC0000">THE DT INTERNATIONAL DX GROUP DO A LOT OF WORK
INTERNATIONALY FOR UNICEF AND OTHER CHARITIES SO ASK A STARVING ,BATTERED
CHILD WHAT GOOD MORSE DID HER</FONT>
<BR><FONT COLOR="#CC0000">26 DT 377...........</FONT>

<P>HAM RADIO @ ITS BEST wrote:
<BLOCKQUOTE TYPE=CITE>In article &lt;359b632a.1753623@news.total.net>,
cute@radiotelephone.net.PAS_DE_SPAM wrote:
<BR>>On Wed, 01 Jul 1998 09:02:04 GMT, kd5amz@flash.net wrote:
<BR>>
```

```
<BR>>>the problem is that most people who would love to do HF have no
<BR>>>interest in CW &lt;at least the no coders I know around here>
<BR>>>btw check me in the callbook in a couple of weeks.................not
<BR>>>now as I just show tech +
<BR>>
<BR>>>I HATE code, I will NEVER do it again, and I LIKE saying that. I
<BR>>
<BR>>
<BR>>I know.&nbsp; Know code = Know ham.&nbsp; No code = No ham.&nbsp;
Get the rid of all
<BR>>idiots out of HF.&nbsp; Sooooon there will be no once out there and
gov't
<BR>>will cut the freqs.&nbsp; I love see that.
<BR>>
<BR>Hey CB get a life.&nbsp; Maybe Canada should deport you.&nbsp; Get
the rid of all iditos
<BR>out of Canada.&nbsp; Sooooon there will be no once out there and gov't
will cut off
<BR>your well fare mony.&nbsp; I love see that.

<P>COP
<BR>>
<BR>>
<BR>>______________________________________________________________________
<BR>>Cutie Boy (CB) ou Joli Gar&ccedil;on(&eacute;galement connu comme
M@S@)
<BR>>Indicatif d'appel de radioamateur: VA2QRU &amp; VE7JPN
<BR>>&Eacute;tudient @ Informatique et Math&eacute;matiques d'Universit&eacute;
McGill
<BR>>Montr&eacute;al, Qu&eacute;bec, Canada
<BR>>C&Eacute;: cute@radiotelephone.net.PAS_DE_SPAM
<BR>>URL&nbsp;&nbsp;&nbsp;&nbsp; : <A HREF="http://www.radiotelephone.net">http://
www.radiotelephone.net</
A>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
(Universel)
<BR>>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; /amateur/&nbsp;&nbsp;
(Radio) /mcgill/ (Universit&eacute; McGill)
<BR>>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; /examiner/
(Examens de U.McGill)
<BR>>Support No Morse Code Testing Requirement for Amateur Radio !
<BR>><A HREF="http://www.nocode.org">http://www.nocode.org</A>; <A HREF="http://
www.radiotelephone.net/no-code/">http://www.radiotelephone.net/no-code/</A>
<BR>>______________________________________________________________________
<BR>>***Enlevez l' ".PAS_DE_SPAM" pour r&eacute;pondre.***
<BR>>ATTENTION: Je n'ach&egrave;terai pas ou r&eacute;ponse aucun produit
des C&Eacute;S non sollicit&eacute;s!!
<BR>>***Please remove ".PAS_DE_SPAM" to reply.***</BLOCKQUOTE>
&nbsp;</HTML>

--------------B2174872892398123ABC7FC8--
```

```
From -3241282288880069283
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10cf20,db8506d07edf3ad7
X-Google-Attributes: gid10cf20,public
X-Google-Thread: 10c9e3,db8506d07edf3ad7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,db8506d07edf3ad7
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 1109af,db8506d07edf3ad7
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa029,db8506d07edf3ad7
X-Google-Attributes: gidfa029,public
X-Google-Thread: f76e2,db8506d07edf3ad7
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,db8506d07edf3ad7
X-Google-Attributes: gidfa656,public
X-Google-Thread: f7e88,db8506d07edf3ad7
X-Google-Attributes: gidf7e88,public
From: "James A. Schnoor" <schnoor@wavetech.net>
Subject: Re: Federal Signal Emerency Alert Receiver
Date: 1998/07/06
Message-ID: <6nrkct$5to$1@news3.mr.net>#1/1
X-Deja-AN: 369044032
References: <6nlbg5$jj9$1@news3.mr.net> <6nn5jo$3mr$1@news3.mr.net>
<35a0e152.6206384@news.cc.purdue.edu>
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
Organization: [poster's organization not specified]
Newsgroups:
rec.radio.scanner,alt.radio.scanner,alt.disasters.planning,alt.emergency.services.
dispatcher,rec.radio.swap,rec.radio.amateur,rec.ham-radio.swap,rec.ham-
radio,rec.ham-radio.fm,rec.ham-radio.mods
```

Who did you buy them from? How much do they cost?
How much do you sell them to the public for? Did you give any
consideration to the one by either L-Tronics or Reach?
How do you like them? Are they programmable by a PC or some
other means?   Jim AA0FJ

```
From 4183163356907890029
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10cf20,db8506d07edf3ad7
X-Google-Attributes: gid10cf20,public
X-Google-Thread: 10c9e3,db8506d07edf3ad7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,db8506d07edf3ad7
```

```
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,db8506d07edf3ad7
X-Google-Attributes: gidfa029,public
X-Google-Thread: fa656,db8506d07edf3ad7
X-Google-Attributes: gidfa656,public
X-Google-Thread: f7e88,db8506d07edf3ad7
X-Google-Attributes: gidf7e88,public
X-Google-Thread: f76e2,db8506d07edf3ad7
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,db8506d07edf3ad7
X-Google-Attributes: gid1109af,public
From: cewelborne@adpc.purdue.edu (Chuck Welborne)
Subject: Re: Federal Signal Emerency Alert Receiver
Date: 1998/07/07
Message-ID: <35a227b4.3326803@news.cc.purdue.edu>#1/1
X-Deja-AN: 369231233
Content-Transfer-Encoding: 7bit
References: <6nlbg5$jj9$1@news3.mr.net> <6nn5jo$3mr$1@news3.mr.net>
<35a0e152.6206384@news.cc.purdue.edu> <6nrkct$5to$1@news3.mr.net>
Content-Type: text/plain; charset=us-ascii
Organization: Management Information, Purdue University
Mime-Version: 1.0
Newsgroups:
rec.radio.scanner,alt.radio.scanner,alt.disasters.planning,alt.emergency.services.
dispatcher,rec.radio.swap,rec.radio.amateur,rec.ham-radio.swap,rec.ham-
radio,rec.ham-radio.fm,rec.ham-radio.mods
```

On Mon, 6 Jul 1998 17:50:32 -0500, "James A. Schnoor"
<schnoor@wavetech.net> wrote:

> Who did you buy them from?

Directly from Federal Signal.

> How much do they cost?

Something close to list price, we do not get much of a price break only making 5-7 dollars on the sale. We were told that even if we order 40 at once (we might need to soon) we won't get a better price. It's something like $140, but don't quote me too closely.

> How much do you sell them to the public for?

As I said, about $5-7 more than we buy them for. That may change soon so we can cover shipping, etc. but we don't see it as a big money-maker.

> Did you give any
> consideration to the one by either L-Tronics or Reach?

Not sure as the sales started before I did...I just joined this group in January.

> How do you like them? Are they programmable by a PC or some
> other means?

As far as I know they are programed at the factory. Since I have not actually seen one yet I don't know how easy that programming is to alter. I'm told they work extremely well. I know of one large University (hint, hint: see email address) that is buying them as quickly as we can get them, about 5-10 a month, and may want to place a large order soon.

Hope this helps...

Charles Welborne -
Volunteer, Tippecanoe County
Emergency Management Agency (TEMA)
cewelborne@adpc.purdue.edu

I do not, of course, speak for my employer.

```
From 8171480676927676796
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98587102720bbb7d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,98587102720bbb7d,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,98587102720bbb7d,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fddbf,98587102720bbb7d,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: ffd99,98587102720bbb7d,start
X-Google-Attributes: gidffd99,public
X-Google-Thread: 10fbd1,98587102720bbb7d,start
X-Google-Attributes: gid10fbd1,public
From: Bill Erney <bill@jagunet.com>
Subject: Looking for Mods to Kenwood TM-V7A and TH-G71A
Date: 1998/07/07
Message-ID: <35A290C6.8FE315F2@jagunet.com>#1/1
X-Deja-AN: 369354395
Content-Type: multipart/alternative; boundary="------------
EA2DF609BE97987B262B8CD2"
Organization: jaguNET Access Services
Mime-Version: 1.0
Newsgroups: rec.radio.amateur,rec.ham-
radio,rec.amateur.misc,rec.radio.amateur.antenna,rec.radio.amateur.packet,rec.ham-
radio.packet


--------------EA2DF609BE97987B262B8CD2
Content-Type: text/plain; charset=us-ascii
```

```
Content-Transfer-Encoding: 7bit

  I am looking for mods that will enable Kenwood's
TM-V7A mobile vhf/uhf and the TH-G71A vhf/uhf
handheld to transmit on the VHF marine band.
(Possibly WHICH diodes need to be eliminated)
If you know of such a modification or a web page
that might contain such info - PLEASE drop me an
email. It would be very much appreciated.
Thank you for taking the time to read this posting...

Bill
 bill@jagunet.com

--------------EA2DF609BE97987B262B8CD2
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<HTML>
<TT>&nbsp; I am looking for mods that will enable Kenwood's</TT>
<BR><TT><B><FONT COLOR="#FF6666">TM-V7A</FONT></B> mobile vhf/uhf and the
<B><FONT COLOR="#FF6666">TH-G71A</FONT></B> vhf/uhf</TT>
<BR><TT>handheld <B><I><U><FONT COLOR="#3366FF">to transmit on the VHF
marine band</FONT></U></I></B>.</TT>
<BR><TT>(Possibly WHICH diodes need to be eliminated)</TT>
<BR><TT>If you know of such a modification or a web page</TT>
<BR><TT>that might contain such info - PLEASE drop me an</TT>
<BR><TT>email. It would be very much appreciated.</TT>
<BR><TT>Thank you for taking the time to read this posting...</TT>

<P><TT>Bill</TT>
<BR><TT>&nbsp;<B><I>bill@jagunet.com</I></B></TT></HTML>

--------------EA2DF609BE97987B262B8CD2--




From 7174162811029303584
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
From: therage@mindspring.com (Sasquatch)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/08
```

Message-ID: <6o0f5h$j2v$1@camel15.mindspring.com>#1/1
X-Deja-AN: 369624381
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359AF3AA.37F53546@wi.net> <359b636f.1822644@news.total.net>
<359BCD95.6ACB@amsat.org>
X-Server-Date: 8 Jul 1998 18:52:33 GMT
Organization: MindSpring Enterprises
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc

In article <359BCD95.6ACB@amsat.org>, NE7X <NE7X@amsat.org> wrote:

>
>After all, lots of the stuff you learn in collage today has nothing to
>do with real world issues. You only learn this obsolete stuff because it
>makes you think and apply the EFFORT for accomplishment! This is half of
>what a collage degree is, it proves to society that you can make the
>effort.

Your analogy between learning CW and College worked 20 years ago BUT not today..(I agree with every other part of your support for CW)..The whole purpose of college today is to

1) Extend Childhood as far as possible..

2) To meet as many people as possible so after graduation (Some 6 to 12 years later), one can "Network" themselves into a "position"..(notice NOT a JOB!)..

The only problem with CODE I see is the attitude of those that say you MUST have it..For tradition or otherwise...HAM radio is dying from lack of interest period..I don't see it as work..It just doesn't hold my interest as it once did..(PLUS, if you've been to alot of local club meetings, there's so much arguing and carping that newcomers are turned away..)..

The solution is NOT to have or do away from CODE..The problem is HOW do we keep Ham Radio ALIVE...Everything must progress or die...

Oh yea, why is it HAM equipment remains SO expensive ESPECIALLY the USED stuff?..When I go to hamfests, I see old JUNK going for as much or MORE than what it cost 20 years ago..Make the hardware AFFORDABLE!..Let's get some GOOD under-100 buck deals going AND market the HELL out of it!..That'd get more folks going..

Innovation doesn't mean forgetting the past BUT building on it for the future..

From 6387908792494271481
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5

X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
From: therage@mindspring.com (Sasquatch)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/08
Message-ID: <6o0fnf$j2v$2@camel15.mindspring.com>#1/1
X-Deja-AN: 369632570
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359B1654.21E0C107@wf.quik.com> <359f0e6f.248089101@news.flash.net>
X-Server-Date: 8 Jul 1998 19:02:07 GMT
Organization: MindSpring Enterprises
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <359f0e6f.248089101@news.flash.net>, kd5amz wrote:

>this happened to me, I started code practice <listening> about
>a year ago, dropped it because of some of the local hams attitudes
>and mannerisms heard on the hf bands, then decided to get it on
>my own with no help from the geezer squad.

Thanks for mentioning the geezer club, er squad...If THEY had their way, we'd have to BUILD our own radios to THEIR specs, and ofcourse, BUY all the parts from THEM at an inflated price (unless they liked us and gave their friends special discounts)..

HAM is DYING people..I've got a wall full of lp's some of which will never re-released on CD's BUT I'm not screaming at the companies to either 1) Start pressing vinyl records again or 2) Make me a CD..Just like the LP spelled the death of the 78rpm and it the wire recording...

Code or NO code doesn't matter if the airwaves are controlled by stick-n-the-mud, fuddy-duddy, STUFFED SHIRTS that insist things stay static and never change..That now said, I agree CODE needs to be remembered and taught BUT does it have to be the same way it has been for the past 100 years?..

The Navy is dropping it for better or worse...If you continue, the manufactors of ham equipment will all go under for lack of new radio sales..I say, do what you can to ENCOURAGE not scold folks into learning code..

```
From -6253996491332695448
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: therage@mindspring.com (Sasquatch)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/08
Message-ID: <6o0g7c$j2v$3@camel15.mindspring.com>#1/1
X-Deja-AN: 369632571
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<01bda563$b8fa5200$05d4b526@KGCmptrd.crosslink.net>
<359c07d4.0@news.surfsouth.com>
X-Server-Date: 8 Jul 1998 19:10:36 GMT
Organization: MindSpring Enterprises
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc
```

In article <359c07d4.0@news.surfsouth.com>, "Graham" <tex@mex.com> wrote:

>
>The flaw in your logic (or lack of it) is the purpose of a national park is
>NOT to provide emergency communications in the event of a disaster. That IS
>the purpose and focus of amateur radio. Ever heard of field day? What do you
>think its' purpose is? If you must be ready to provide emergency
>communications, then why not be able to do that in as many ways possible?
>
>

I think sometimes we code and no-code folks inflateth our true worth in disastors, NOW that cell phone and digital redundancy handle most situations..

In fact, I have a buddy that flies for United that sees the ham radio folks at our local "plane crash/disastor" drills as needing-a-life NERDS that are worse than useless. They're IN the WAY of the professional rescuers using the police/fire frequencies..What's needed in these scenarios is NOT a bunch of hams running around with HT's thinking they're BIG SHOTS while tripping over their own shoe laces..

I didn't take the test to "be a part of the action"..I did it because I like talking to other people...BUT even that's been years..I TOO have been turned-off by the attitude of ham radio in general..

The best hams are those that are HOME BASED/Stationary during disastor situations...

From -4746143676908687140
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5564270fe8d09f1b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,5564270fe8d09f1b,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f84e8,5564270fe8d09f1b,start
X-Google-Attributes: gidf84e8,public
X-Google-Thread: 115af6,5564270fe8d09f1b,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: fc8b1,5564270fe8d09f1b,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f76e2,5564270fe8d09f1b,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fcc6e,5564270fe8d09f1b,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,5564270fe8d09f1b,start
X-Google-Attributes: gidfa656,public
From: WorldXN <kamikazi@geocities.com>
Subject: ** Press Release ** Ham Radio Repeater Directories **
Date: 1998/06/08
Message-ID: <357B9A3A.976B741E@geocities.com>#1/1
X-Deja-AN: 360328331
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
X-Trace: 7 Jun 1998 02:59:33 -0600, 209.101.33.69
Organization: World Express Network
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital,rec.radio.amateur.digital.misc

Hello,

Thanks for responding to our Press Release. We our excited to announce the all new 1998 line of Ham Radio Repeater Directories. They can be found at...

http://www.rotd.com/worldxn/

These exciting directories are great for Amateurs on the move, or those who would like to take advantage of the many Repeaters in their Area. We encourage you to visit our site and would appreciate any feedback you offer.

Jennifer R
World Express Network
http://www.rotd.com/worldxn/

From -8131721473065550421
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 110c4e,5a3a68300b2bdbca,start
X-Google-Attributes: gid110c4e,public
X-Google-Thread: 115af6,5a3a68300b2bdbca,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 1109af,5a3a68300b2bdbca,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f55c2,5a3a68300b2bdbca,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 10c9e3,5a3a68300b2bdbca,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,5a3a68300b2bdbca,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,5a3a68300b2bdbca,start
X-Google-Attributes: gidfc2a5,public
From: "The Crew" <dc@citynet.net>
Subject: freq. change MT500??help!
Date: 1998/06/09
Message-ID: <6ll04r$ria$1@news.citynet.net>#1/1
X-Deja-AN: 361247712
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: CityNet Corporation
Newsgroups: alt.ham-radio.mods,rec.ham-radio,rec.radio,rec.radio.amateur,rec.radio.amateur.homebrew,rec.radio.commercial-lmr,rec.radio.swap

Say, how hard is it to re-freq. an old single channel MT500 VHF?? Either 146.970 minus split or 151.625 simplex. It appears to have a channel element instead of the regular crystal setup. Ideas?? email please!
thanks,
Randy

From -4634114187325610822
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 110c4e,5a3a68300b2bdbca
X-Google-Attributes: gid110c4e,public
X-Google-Thread: 10c9e3,5a3a68300b2bdbca

```
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,5a3a68300b2bdbca
X-Google-Attributes: gid1109af,public
X-Google-Thread: f55c2,5a3a68300b2bdbca
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fc2a5,5a3a68300b2bdbca
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 115af6,5a3a68300b2bdbca
X-Google-Attributes: gid115af6,public
X-Google-Thread: fa656,5a3a68300b2bdbca
X-Google-Attributes: gidfa656,public
From: anonymous@hostnet.com
Subject: Re: freq. change MT500??help!
Date: 1998/06/10
Message-ID: <357ED71A.3B42@hostnet.com>#1/1
X-Deja-AN: 361460516
Content-Transfer-Encoding: 7bit
Sender: news%mother@herald.northgrum.com
X-Nntp-Posting-Host: 128.99.94.91
References: <6ll04r$ria$1@news.citynet.net>
Content-Type: text/plain; charset=us-ascii
Organization: Northrop Grumman Corporation, Los Angeles, CA
Mime-Version: 1.0
Newsgroups: alt.ham-radio.mods,rec.ham-radio,rec.radio,rec.radio.amateur,rec.radio.amateur.homebrew,rec.radio.commercial-lmr,rec.radio.swap


The Crew wrote:
>
> Say, how hard is it to re-freq. an old single channel MT500 VHF?? Either
> 146.970 minus split or 151.625 simplex. It appears to have a channel element
> instead of the regular crystal setup. Ideas?? email please!
> thanks,
> Randy
 Frequency Management in Huntington Beach, CA will do it for $30 an
element, you supply the donor element they modify.



From 3700263934457462984
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,7ec208f697614c13,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,7ec208f697614c13,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7ec208f697614c13,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,7ec208f697614c13,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1109af,7ec208f697614c13,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,7ec208f697614c13,start
```

```
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,7ec208f697614c13,start
X-Google-Attributes: gidf76e2,public
From: "ka0nno" <ka0nno@cswnet.com>
Subject: For Sale: HTX 100  10meter ssb and cw
Date: 1998/06/11
Message-ID: <6lp3hq$6qv$1@news-in.anc.net>#1/1
X-Deja-AN: 361747963
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: Arkansas.Net (501) 375-0160
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap,re
c.radio.swap
```

For Sale: HTX 100 10meter ssb and cw.

Radio is practically new and no scratches, in mint condition. Includes microphone and mobile bracket and microphone hang up clip plus power cord. I do not have the original box and the manual was lost in a fire.

Asking $175.00 or best offer plus shipping.
If interested contact via email at n0eoq@6mt.com

Thank you George n0eoq

```
From -7567274191733210809
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31b1c1d66c383c8a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,31b1c1d66c383c8a,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,31b1c1d66c383c8a,start
X-Google-Attributes: gid107ada,public
From: "Glenn J. Torres" <radioman@communique.net>
Subject: OPINIONS ON SAMLEXPOWER SUPPLIES
Date: 1998/06/11
Message-ID: <01bd9571$365dc540$b658cccf@default>#1/1
X-Deja-AN: 361791913
Organization: Verio Gulfsouth
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.ham-radio
```

I am looking for opinions, pro or con on Samlex Switching Power
Supplies.Any
info is appreciated.
Thanks,
Glenn

From 9208768634180340131
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac00a0d02941385e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,ac00a0d02941385e,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,ac00a0d02941385e,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,ac00a0d02941385e,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 15c53e,ac00a0d02941385e,start
X-Google-Attributes: gid15c53e,public
X-Google-Thread: 107ada,ac00a0d02941385e,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,ac00a0d02941385e,start
X-Google-Attributes: gidfcc6e,public
From: Jerry Bransford <jerryb@cts.com>
Subject: FS: Antenna... Cushcraft R-5 10/12/15/17/20M Vertical antenna, new!
Date: 1998/06/11
Message-ID: <3580B133.54C1@cts.com>#1/1
X-Deja-AN: 361923522
Content-Transfer-Encoding: 7bit
Mime-Version: 1.0
Reply-To: jerryb@cts.com
Cache-Post-Path: wagasa.cts.com!unknown@psc1194176.cts.com
Content-Type: text/plain; charset=us-ascii
Organization: None that I'm willing to advertise for...
Newsgroups: rec.ham-radio.swap,rec.ham-radio,rec.ham.radio.packet,rec.radio.amateur.antenna,rec.radio.amateur,dx,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap

Well, near new... it was up literally about 1 hour before my backyard neighbor demanded that I take it down as it didn't conform to our CC&Rs. My loss, your gain.

Best offer, it's packed up and in it's original packaging material. Write me directly at jerryb@cts.com as I seldom make it to these newsgroups.

73
Jerry
--
Jerry Bransford
To send me email, remove the 'nospam' from my address.
PP-ASEL, C.A.P., KC6TAY
The Zen hotdog... make me one with everything!

From 5773351513583407158

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31b1c1d66c383c8a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,31b1c1d66c383c8a
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,31b1c1d66c383c8a
X-Google-Attributes: gid107ada,public
From: davem@cs.ubc.ca (Dave Martindale)
Subject: Re: OPINIONS ON SAMLEXPOWER SUPPLIES
Date: 1998/06/11
Message-ID: <6lqi7j$5fs@groucho.cs.ubc.ca>#1/1
X-Deja-AN: 361936717
References: <01bd9571$365dc540$b658cccf@default>
Organization: Computer Science, University of B.C., Vancouver, B.C., Canada
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.ham-radio

"Glenn J. Torres" <radioman@communique.net> writes:
>I am looking for opinions, pro or con on Samlex Switching Power
>Supplies.

I don't have any experience with the switching ones, but I've owned 3 of their linear supplies of various output power. On all of them there was inadequate thermal grease between the power transistors and the heat sink. On all of them, the power transistor cases are connected to the positive side of the unregulated supply, which could cause some nice sparks if the transistor cases ever touch something connected to the supply negative terminal. None of them seem to have enough heat sink area to supply rated output continuously while keeping transistor temperatures reasonable without fan cooling.

And on the 15-20 amp version, there are four 2N3055's connected in parallel as the output pass transistor, with no emitter resistors. Thus, the transitors don't share the current equally 4 ways.

I ended up fixing up all of them - adding heat sink compound and a plastic cover over the transistor(s) on all of the supplies, and adding emitter resistors to the high-current supply. After these changes, all of the supplies have worked fine.

So, I'm not impressed with the quality of design or assembly of the Samlex linears. But, with a little cleanup, they seem to make decent simple supplies that cost a lot less than any alternatives I've seen around here.

If I bought one of the switchers, I'd probably take it apart and look for similar problem spots. On the other hand, the Astron switchers aren't much more expensive than the Samlex switchers here, and the Astrons do seem to be better made. In addition, the Astrons have overvoltage and overcurrent protection - the Samlex ones don't as far as I can see. So it may be worth looking at the Astrons too.

Dave

From 851654304809891777
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac00a0d02941385e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,ac00a0d02941385e
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,ac00a0d02941385e
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,ac00a0d02941385e
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,ac00a0d02941385e
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,ac00a0d02941385e
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 15c53e,ac00a0d02941385e
X-Google-Attributes: gid15c53e,public
From: "W4ABC" <w4abc@gte.net>
Subject: Re: Antenna... Cushcraft R-5 10/12/15/17/20M Vertical antenna, new!
Date: 1998/06/12
Message-ID: <6lqir8$8c1$1@gte1.gte.net>#1/1
X-Deja-AN: 361941282
References: <3580B133.54C1@cts.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: gte.net
X-Auth: C158900B1198849843918491
Newsgroups: rec.ham-radio.swap,rec.ham-radio,rec.ham.radio.packet,rec.radio.amateur.antenna,rec.radio.amateur,dx,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap

Place a piece of PVC pipe over it, and hang an American Flag from it, and see what his objection to being an American is about!

73, de W4ABC

"The Second Amendment, really should be the first,
in that it is the one that protects all the others."

Charleton Heston - Vice President NRA

Jerry Bransford wrote in message <3580B133.54C1@cts.com>...
>Well, near new... it was up literally about 1 hour before my backyard
>neighbor demanded that I take it down as it didn't conform to our CC&Rs.
>My loss, your gain.
>
>Best offer, it's packed up and in it's original packaging material.
>Write me directly at jerryb@cts.com as I seldom make it to these
>newsgroups.
>
>73

```
>Jerry
>--
>Jerry Bransford
>To send me email, remove the 'nospam' from my address.
>PP-ASEL, C.A.P., KC6TAY
>The Zen hotdog... make me one with everything!





From -6199912660932786500
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 110c4e,2d877ab2a5cea44d,start
X-Google-Attributes: gid110c4e,public
X-Google-Thread: 10c9e3,2d877ab2a5cea44d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,2d877ab2a5cea44d,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 115af6,2d877ab2a5cea44d,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 1109af,2d877ab2a5cea44d,start
X-Google-Attributes: gid1109af,public
From: "The Crew" <dc@citynet.net>
Subject: Re: R100:username@ballistic.com  Help!
Date: 1998/06/12
Message-ID: <6lqhfk$ska$1@news.citynet.net>#1/1
X-Deja-AN: 361941293
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: CityNet Corporation
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.commercial-
lmr,rec.radio.swap


ok, No name, no signature, email failed, returned to me. What gives?  Are
you legit??   anyone??
thanks,
Randy
>
>Hi.  Have a R100 UHF repeater.  Make an offer. Like new. Have >manual with
it.
>Also have two Motorola Radius P-100 HT's that can go with it.  Make >an
offer.l

Reporting-MTA: dns; main.citynet.net
Received-From-MTA: DNS; ch4-159.citynet.net
Arrival-Date: Fri, 12 Jun 1998 02:07:21 -0400
_____________________________________________________
Received: from main.citynet.net for xxxxxxxxx
 with Cubic Circle's cucipop (v1.10 1996/09/06) Fri Jun 12 05:26:25 1998
X-From_: username@ballistic.com  Thu Jun 11 20:33:32 1998
Return-Path: <username@ballistic.com>
Received: from mail.ballistic.com (mail.ballistic.com [208.211.146.4])
```

```
 by main.citynet.net (8.8.7/8.8.7) with ESMTP id UAA10800
 for <dc@cit>; Thu, 11 Jun 1998 20:33:31 -0400
Received: from tyr8400 (tpm6-69.ballistic.com [208.211.147.69]) by
mail.ballistic.com (8.8.5/8.8.5) with SMTP id TAA10116 for <dc@ci>; Thu, 11
Jun 1998 19:00:27 -0500 (CDT)
Message-Id: <199806120000.TAA10116@mail.ballistic.com>
From: username@ballistic.com (Real Name)
To: dc@cityne
Subject: Re: *R100 UHF repeater wanted
Date: Fri, 12 Jun 1998 00:35:15 GMT
```

```
From -4994565480441609194
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,ac00a0d02941385e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,ac00a0d02941385e
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,ac00a0d02941385e
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,ac00a0d02941385e
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,ac00a0d02941385e
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fcc6e,ac00a0d02941385e
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 15c53e,ac00a0d02941385e
X-Google-Attributes: gid15c53e,public
From: "Michel Morin" <morinm@csdgs.qc.ca>
Subject: Re: Antenna... Cushcraft R-5 10/12/15/17/20M Vertical antenna, new!
Date: 1998/06/12
Message-ID: <mN8g1.1690$k93.4926192@carnaval.risq.qc.ca>#1/1
X-Deja-AN: 361993594
References: <3580B133.54C1@cts.com>
NNTP-Posting-Date: Fri, 12 Jun 1998 08:02:26 EDT
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
Organization: Commission Scolaire des Grandes Seigneuries
Newsgroups: rec.ham-radio.swap,rec.ham-
radio,rec.ham.radio.packet,rec.radio.amateur.antenna,rec.radio.amateur,dx,rec.radi
o.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap
```

I thought that the U.S. was a free country! In Quebec, we don't have that kind of problem. If your neighbour doesn't like your antenna, he only has to look elsewhere. You could fix some bird houses to the antenna and say it is a support of some kind. Good luck.

73 de VE2CJW.

Jerry Bransford a �crit dans le message <3580B133.54C1@cts.com>...
>Well, near new... it was up literally about 1 hour before my backyard
>neighbor demanded that I take it down as it didn't conform to our CC&Rs.
>My loss, your gain.
>
>Best offer, it's packed up and in it's original packaging material.
>Write me directly at jerryb@cts.com as I seldom make it to these
>newsgroups.
>
>73
>Jerry
>--
>Jerry Bransford
>To send me email, remove the 'nospam' from my address.
>PP-ASEL, C.A.P., KC6TAY
>The Zen hotdog... make me one with everything!

From -9624630446479507800
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31b1c1d66c383c8a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,31b1c1d66c383c8a
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,31b1c1d66c383c8a
X-Google-Attributes: gid107ada,public
From: Tom Nicastri <tnic@IDT.NET>
Subject: Re: OPINIONS ON SAMLEXPOWER SUPPLIES
Date: 1998/06/12
Message-ID: <6lr6ms$no@nnrp3.farm.idt.net>#1/1
X-Deja-AN: 361997311
References: <01bd9571$365dc540$b658cccf@default>
Organization: IDT Internet Services
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.ham-radio

The Samlex supplies are good. THey are very small. I have the 1212 which puts out about 10 amps cont. I used it for over a year with a 10 amp mobil radio. It worked great. I recently ordered the 23 amp model for $80 from Techamerica 1-800-877-0072 Item # 910-3916. Samlex provides a 3 year warranty on it!

I had no noise at all generated with it.

I think its a good product for a good price.

Samlex has a web page.

In rec.radio.amateur.equipment Glenn J. Torres <radioman@communique.net> wrote:
> I am looking for opinions, pro or con on Samlex Switching Power
> Supplies.Any
> info is appreciated.
> Thanks,
> Glenn

From 8688952878833169687
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac00a0d02941385e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,ac00a0d02941385e
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,ac00a0d02941385e
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,ac00a0d02941385e
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f76e2,ac00a0d02941385e
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,ac00a0d02941385e
X-Google-Attributes: gidfa656,public
X-Google-Thread: 15c53e,ac00a0d02941385e
X-Google-Attributes: gid15c53e,public
From: "Roger A. McCarty" <rmccarty@earthlink.net>
Subject: Re: Antenna... Cushcraft R-5 10/12/15/17/20M Vertical antenna, new!
Date: 1998/06/12
Message-ID: <6lrdma$t53$1@chile.it.earthlink.net>#1/1
X-Deja-AN: 362031484
References: <3580B133.54C1@cts.com> <mN8g1.1690$k93.4926192@carnaval.risq.qc.ca>
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
Organization: EarthLink Network, Inc.
Newsgroups: rec.ham-radio.swap,rec.ham-radio,rec.ham.radio.packet,rec.radio.amateur.antenna,rec.radio.amateur,dx,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap

Michel Morin wrote in message ...
>I thought that the U.S. was a free country!

Now that's!.........funny!

```
From 8965643174207835334
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac00a0d02941385e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,ac00a0d02941385e
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,ac00a0d02941385e
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,ac00a0d02941385e
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,ac00a0d02941385e
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,ac00a0d02941385e
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 15c53e,ac00a0d02941385e
X-Google-Attributes: gid15c53e,public
From: "W4ABC" <w4abc@gte.net>
Subject: Re: Antenna... Cushcraft R-5 10/12/15/17/20M Vertical antenna, new!
Date: 1998/06/12
Message-ID: <6lrj5u$4g$1@gte2.gte.net>#1/1
X-Deja-AN: 362054186
References: <3580B133.54C1@cts.com> <mN8g1.1690$k93.4926192@carnaval.risq.qc.ca>
<6lrdma$t53$1@chile.it.earthlink.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: gte.net
X-Auth: C158930856D58494478491E0
Newsgroups: rec.ham-radio.swap,rec.ham-
radio,rec.ham.radio.packet,rec.radio.amateur.antenna,rec.radio.amateur,dx,rec.radi
o.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap
```

Roger A. McCarty wrote in message <6lrdma$t53$1@chile.it.earthlink.net>...
>
>Michel Morin wrote in message ...
>>I thought that the U.S. was a free country!
>
>
>Now that's!.........funny!

You're probably laughing because you know freedom isn't free-- RIGHT?

de W4ABC Jon Pearl
>
>
>
>

From -4038815843927692715
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac00a0d02941385e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,ac00a0d02941385e
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,ac00a0d02941385e
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,ac00a0d02941385e
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,ac00a0d02941385e
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,ac00a0d02941385e
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 15c53e,ac00a0d02941385e
X-Google-Attributes: gid15c53e,public
From: Don Huff <dhuff@popmail1.vcd.hp.com>
Subject: Re: FS: Antenna... Cushcraft R-5 10/12/15/17/20M Vertical antenna, new!
Date: 1998/06/12
Message-ID: <35818DB5.4FC0@popmail1.vcd.hp.com>#1/1
X-Deja-AN: 362107440
Content-Transfer-Encoding: 7bit
References: <3580B133.54C1@cts.com>
Mime-Version: 1.0
Reply-To: dhuff@popmail.vcd.hp.com
Content-Type: text/plain; charset=us-ascii
Organization: HP Vancouver Site
Newsgroups: rec.ham-radio.swap,rec.ham-radio,rec.ham.radio.packet,rec.radio.amateur.antenna,rec.radio.amateur,dx,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap

Jerry Bransford wrote:
>
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> neighbor demanded that I take it down as it didn't conform to our CC&Rs.
> My loss, your gain.
>
> Best offer, it's packed up and in it's original packaging material.
> Write me directly at jerryb@cts.com as I seldom make it to these
> newsgroups.
>
> 73
> Jerry
> --
> Jerry Bransford
> To send me email, remove the 'nospam' from my address.
> PP-ASEL, C.A.P., KC6TAY
> The Zen hotdog... make me one with everything!

Hi Jerry OM,
  Sorry to hear your plight with the Conformist Nazis. I now regularly
see real estate flyers with "NO CC&R's" prominently posted on the sheet,

as an added plus for the buyer. Maybe, slowly, things are a-changin',
as more people become disgusted with signing over their property rights
to their neighbors for zero cost.   Never did like Communism...

73 and GL on the new QTH!

Don, W6JL

From -2372510408622177957
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31b1c1d66c383c8a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,31b1c1d66c383c8a
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,31b1c1d66c383c8a
X-Google-Attributes: gid107ada,public
From: Alan <wherever@pacbell.net>
Subject: Re: OPINIONS ON SAMLEXPOWER SUPPLIES
Date: 1998/06/12
Message-ID: <358198C3.91F8761@pacbell.net>#1/1
X-Deja-AN: 362142819
Content-Transfer-Encoding: 7bit
References: <01bd9571$365dc540$b658cccf@default> <6lr6ms$no@nnrp3.farm.idt.net>
To: Tom Nicastri <tnic@IDT.NET>
Content-Type: text/plain; charset=us-ascii
Organization: TRW, Inc.
Mime-Version: 1.0
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.ham-radio

I also bought 2 of the SEC1223 Samlex 23 amp supplies from TechAmerica
and all I can say is that they are great! The price is a steal. HRO was selling
them
for $120, but just lowered their price (I was told) to $100.

They create no discernable hash of any kind. The switching frequency is 50KHz,
(which is not published, but is accurate). They have a fan which comes on at 70
deg. C and at 100 deg. C the whole unit shuts down (thermally) until the temp
drops.

It has total short circuit protection in that a direct short pulls the voltage
down
to zero
(obviously), but draws NO current, and then recovers right away when the short is
lifted. They are NOT ICS rated (as is the SEC 1212 - 12AMP version). Even though
you may see literature to that effect. If seen it is a mistake (direct from the
factory).
The upper limit is 25 amps, and when that amount of power drain is reached, it is
maxed out, and that is all that it can or will supply prior to starting to shut
down. In
most all cases, it will operate just about any 100 watt rig or VHF/UHF amplifer.

They weigh around 3 pounds and are essentially silent in operation.

In general, I wouldn't hesitate to recommend them, especially at that price, $80. But don't expect them to last at that price at TechAmerica or see it anywhere else at that price. It is truly a loss leader, but a great one for us hams. Buy 1, no make that 2, NOW!
I did.

Best regards,

Alan, de WA6AQC
wherever@pacbell.net

Tom Nicastri wrote:

> The Samlex supplies are good. THey are very small. I have the 1212 which
> puts out about 10 amps cont. I used it for over a year with a 10 amp mobil
> radio. It worked great. I recently ordered the 23 amp model for $80 from
> Techamerica 1-800-877-0072 Item # 910-3916. Samlex provides a 3 year
> warranty on it!
>
> I had no noise at all generated with it.
>
> I think its a good product for a good price.
>
> Samlex has a web page.
>
> In rec.radio.amateur.equipment Glenn J. Torres <radioman@communique.net> wrote:
> > I am looking for opinions, pro or con on Samlex Switching Power
> > Supplies.Any
> > info is appreciated.
> > Thanks,
> > Glenn

From 7968401973790640484
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31b1c1d66c383c8a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,31b1c1d66c383c8a
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,31b1c1d66c383c8a
X-Google-Attributes: gid107ada,public
From: Allan Goldarbit <al4lyd@worldnet.att.net>
Subject: Re: OPINIONS ON SAMLEXPOWER SUPPLIES
Date: 1998/06/12
Message-ID: <6lsrk8$1s@bgtnsc02.worldnet.att.net>#1/1
X-Deja-AN: 362214310

```
Content-Transfer-Encoding: 7bit
References: <01bd9571$365dc540$b658cccf@default>
Mime-Version: 1.0
Reply-To: al4lyd@worldnet.att.net
To: "Glenn J. Torres" <radioman@communique.net>
Content-Type: text/plain; charset=us-ascii
Organization: AT&T WorldNet Services
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.ham-radio


Hi. I have Sammlex 1223 switching power supply at 23 amps.  It is about
four months old and is doing just fine. Doesn't generate any extra
noise. c

Allan Goldarbit

Glenn J. Torres wrote:
>
> I am looking for opinions, pro or con on Samlex Switching Power
> Supplies.Any
> info is appreciated.
> Thanks,
> Glenn




From -8718125573701101729
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d7bd218f27e0c7e5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,d7bd218f27e0c7e5,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,d7bd218f27e0c7e5,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fc2a5,d7bd218f27e0c7e5,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 1031c8,d7bd218f27e0c7e5,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,d7bd218f27e0c7e5,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,d7bd218f27e0c7e5,start
X-Google-Attributes: gidfa656,public
From: gwilljo@cwo.com (Greg Jonz)
Subject: Boat Anchors for Sale
Date: 1998/06/13
Message-ID: <6luj6k$cho$1@news.eli.net>#1/1
X-Deja-AN: 362367703
Mime-Version: 1.0
Content-Type: Text/Plain; charset=US-ASCII
Organization: ELI.NET Usenet Newsreader Service
Newsgroups: rec.radio.amateur.boatanchors,rec.radio.amateur.homebrew,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.swap,rec.radio.amateur.equipment,rec.ham
-radio.swap
```

Boat Anchors for Sale

1. Heathkit Stuff $200.00:
SB-301 in good working order.................15.lbs
SB-401 final amps (61146) blown..............25.lbs
D 1410 keyer..................................4.lbs
Turner 454C Microphone........................2.lbs
Heathkit Manuals 2.lbs
Packing......................................10 lbs
Shipping weight..............................57 lbs

2. Gonset Stuff $125.00:
G66a Receiver with Power supply..............16 lbs
G-77 Transmitter with modulator/pwer supply..30 lbs
Gonset Manuals and cables.....................1 lbs.
Packing......................................10 lbs
Shipping Weight..............................57 lbs
Receiver and transmitter works.
No microphone

3. Siltronix 1011D Comanche 150.00..........22 lbs
Manual (from "Manuals Plus").................0 lbs
packing.......................................7 lbs
Shipping Weight..............................29 lbs
Needs mike and re-alignment. Was de-tuned down to
Novice portion of ten meter band

4. National NCX-3 Tranceiver $75.00.........19 lbs
External Power Supply/Speaker................25 lbs
National Manual...............................1 lbs
Packing......................................10 lbs
Shipping Weight..............................55 lbs
SSB AM CW on 20,40,80. Needs work

5. Heathkit "Seneca" 6 M Transmitter..$75.00......50 lbs
Heathkit Manual.....................................1 lbs
Packing..10 lbs
Shipping weight....................................61 lbs.
Loads up into dummy antenna.

I would prefer you pick up. If I ship you must pay postage. These are heavy and will be shipped from zipcode 95822. I've included the weights of the items as well as the weight of packaging materials. All for-sale-items weighed by placing the items on the Pelouze Model Y50 Postage Scale.

If interested contact me by email gwilljo@cwo.com.
Greg

```
From -9119704130381914083
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31b1c1d66c383c8a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,31b1c1d66c383c8a
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,31b1c1d66c383c8a
X-Google-Attributes: gid107ada,public
From: "Glenn J. Torres" <radioman@communique.net>
Subject: Re: OPINIONS ON SAMLEXPOWER SUPPLIES
Date: 1998/06/14
Message-ID: <01bd9785$18a430a0$8958cccf@default>#1/1
X-Deja-AN: 362509782
References: <01bd9571$365dc540$b658cccf@default>
<6lsrk8$1s@bgtnsc02.worldnet.att.net>
Organization: Verio Gulfsouth
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.ham-radio


Thanks to all who responded to my question.

Allan Goldarbit <al4lyd@worldnet.att.net> wrote in article
<6lsrk8$1s@bgtnsc02.worldnet.att.net>...
> Hi. I have Sammlex 1223 switching power supply at 23 amps.  It is about
> four months old and is doing just fine. Doesn't generate any extra
> noise. c
>
> Allan Goldarbit
>
> Glenn J. Torres wrote:
> >
> > I am looking for opinions, pro or con on Samlex Switching Power
> > Supplies.Any
> > info is appreciated.
> > Thanks,
> > Glenn
>



From -4034642887560733043
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,624f79ce501a487c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,624f79ce501a487c,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,624f79ce501a487c,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f7796,624f79ce501a487c,start
X-Google-Attributes: gidf7796,public
From: "TodJK" <todjk@mhtc.net>
Subject: ATTN:  ICOM IC-746 OWNERS
```

Date: 1998/06/14
Message-ID: <6m23m2$hvm$2@news2.alpha.net>#1/1
X-Deja-AN: 362691109
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Newsgroups: alt.ham-radio,alt.ham-radio.hf,alt.ham-radio.morse,rec.ham-radio

TOPIC: CW and CW-R

Can anyone explain this topic a little better than the book can? Is CW=USB CW and CW-R=LSB CW? Am I off base here?

73! Tod N9ZWY

From -2754628835031614466
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31b1c1d66c383c8a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,31b1c1d66c383c8a
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,31b1c1d66c383c8a
X-Google-Attributes: gid107ada,public
From: sparkfel@primenet.com (Mark Fellhauer)
Subject: Re: OPINIONS ON SAMLEXPOWER SUPPLIES
Date: 1998/06/14
Message-ID: <3584b7c5.24453712@news.primenet.com>#1/1
X-Deja-AN: 362727905
References: <01bd9571$365dc540$b658cccf@default>
Organization: Primenet Services for the Internet
X-Posted-By: @206.165.23.49 (sparkfel)
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.ham-radio

On 11 Jun 1998 19:48:11 GMT, "Glenn J. Torres"
<radioman@communique.net> wrote:

>I am looking for opinions, pro or con on Samlex Switching Power
>Supplies.Any
>info is appreciated.

I've been using a Samlex 1212 for my APRS station 24/7 for a year now, with occasional use to power my mobile rig, too. I have not encountered a single problem and would highly recommend their switching power supplies. A good PS for a good price.

Mark
KC7BXS

```
From 9219975217092399179
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,624f79ce501a487c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,624f79ce501a487c
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,624f79ce501a487c
X-Google-Attributes: gid114a57,public
X-Google-Thread: f7796,624f79ce501a487c
X-Google-Attributes: gidf7796,public
From: Yves OESCH <yves.oesch@epfl.ch>
Subject: Re: ATTN:  ICOM IC-746 OWNERS
Date: 1998/06/15
Message-ID: <3585858C.40EB@epfl.ch>#1/1
X-Deja-AN: 362789895
Content-Transfer-Encoding: 7bit
References: <6m23m2$hvm$2@news2.alpha.net>
To: TodJK <todjk@mhtc.net>
Content-Type: text/plain; charset=us-ascii
Organization: EPFL
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.hf,alt.ham-radio.morse,rec.ham-radio
```

TodJK wrote:

>
> TOPIC: CW and CW-R
>
> Can anyone explain this topic a little better than the book can? Is CW=USB
> CW and CW-R=LSB CW? Am I off base here?
>
> 73! Tod N9ZWY

I think this is a question of bandwith.
CW is narrower than SSB. Probably CW-R is much more narrow.
It means that you can't receive SSB in any CW position.
But if you want to receive CW, you have less noise in CW-R than SSB or
even CW position.

Best 73's
Yves / HB9VJV

```
From 3062079177859501350
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6cb10be311d4a315,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,6cb10be311d4a315,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,6cb10be311d4a315,start
```

X-Google-Attributes: gid1031c8,public
X-Google-Thread: fc8b1,6cb10be311d4a315,start
X-Google-Attributes: gidfc8b1,public
From: digicomm@technologist.com
Subject: WTB:Any SONY World Band Radio
Date: 1998/06/17
Message-ID: <6m7gr1$r2c$1@nnrp1.dejanews.com>#1/1
X-Deja-AN: 363382153
References: <6lbnqg$gbp$1@bolivia.it.earthlink.net> <3579E24E.D5EB27B4@w-d.org>
<357c76f7.16644661@news.srv.net> <357DA2BB.13A1@bluewin.ch>
X-Http-User-Agent: Mozilla/4.04 (Macintosh; I; PPC)
Organization: Deja News - The Leader in Internet Discussion
X-Article-Creation-Date: Wed Jun 17 04:31:29 1998 GMT
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.swap

Hi Everyone,

I am starting a collection of ALL SONY World Band "Shortwave" Radios ever made, old & new.

I have about a dozen so far and I need everyone's help to find these original radios in "mint" condition with original accessories and box for collecting.

My question is: Is there anyone out there started such a thing? (...or maybe I am nuts??!!) Where to start looking for older model SONY Shortwave World Band radios? Is there a Radio LIST of all the SONY "CRF","ICF SW" & "SW" models on the net somewhere?

If you have ANY SONY World Band Radio in mint shape, please email me with your model number and best price for a "CRAZY" collector!! :=)

Thanks in advance and any response will be appreciated!

E. Zaydan
Ottawa, Canada
digicomm@technologist.com

-----== Posted via Deja News, The Leader in Internet Discussion ==-----
http://www.dejanews.com/   Now offering spam-free web-based newsreading

From 2423374745161460945
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,6a4f95497cb98c71,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6a4f95497cb98c71,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fcc6e,6a4f95497cb98c71,start

X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,6a4f95497cb98c71,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,6a4f95497cb98c71,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,6a4f95497cb98c71,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,6a4f95497cb98c71,start
X-Google-Attributes: gid11480d,public
From: "W4ABC" <w4abc@gte.net>
Subject: Re: 10m is OPEN!!!
Date: 1998/06/18
Message-ID: <6mcmnm$j3b$1@news-2.news.gte.net>#1/1
X-Deja-AN: 364077874
References: <JEii1.1031$ZB1.8168134@news.rdc1.sfba.home.com>
<3589dae2.610864@news.total.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: gte.net
X-Auth: C159820F0DCD84CA13C28491
Newsgroups: alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.misc,rec.radio.shortwave

Cutie Boy wrote in message <3589dae2.610864@news.total.net>...
:On Fri, 19 Jun 1998 00:54:01 GMT, "Rudi Wiedemann"
:<wiedemann@home.com> wrote:
:
:>Hello to all would-be DXers. Just got my Tech Plus ticket and found 10m
is
:>open from San Francisco to Hawaii, S. Pacific and Australia from late
:>afternoon till after dark.
:
:
:don't say tech plus. pro-CWers don't want you to be on 10m with
:voice.
:

:I don't see that he mentioned the use of a microphone at all. I think your preoccupation with this no-code thing, has jaded your viewpoint a bit there Cutie Puff.

I suppose he could be on phone, but then again, you could be a girl!
Cutie Puff

de W4ABC

"The people will not understand the importance of the Second Amendment
until it is too late."   --   Thomas Jefferson

```
:______________________________________________________________________
:Cutie Boy (CB) ou
:Joli Gar�on (�galement connu comme M@S@)
:Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
:�tudient @ Informatique et Math�matiques d'Universit� McGill
:Montr�al, Qu�bec, Canada
:C�: cute@radiotelephone.net.PAS_DE_SPAM
:URL : http://www.radiotelephone.net            (Universel)
:   http://www.radiotelephone.net/amateur/   (Radio)
:          http://www.radiotelephone.net/mcgill/ (Universit� McGill)
:          http://www.radiotelephone.net/examiner/ (Examens de U.McGill)
:Visit this excellent site
:why code has no importance to the amateur radio today:
:http://www.nocode.org
:License Suggestion:  http://www.radiotelephone.net/no-code/
:______________________________________________________________________
:***Enlevez l' ".PAS_DE_SPAM" pour r�pondre.***
:***Please remove ".PAS_DE_SPAM" to reply.***
:
:ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non
sollicit�s!!
```

```
From -7979311282085472834
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a4f95497cb98c71
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6a4f95497cb98c71
X-Google-Attributes: gid114aac,public
X-Google-Thread: 114a57,6a4f95497cb98c71
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,6a4f95497cb98c71
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,6a4f95497cb98c71
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,6a4f95497cb98c71
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 11480d,6a4f95497cb98c71
X-Google-Attributes: gid11480d,public
From: "Rudi Wiedemann" <wiedemann@home.com>
Subject: 10m is OPEN!!!
Date: 1998/06/19
Message-ID: <JEii1.1031$ZB1.8168134@news.rdc1.sfba.home.com>#1/1
X-Deja-AN: 364042922
NNTP-Posting-Date: Thu, 18 Jun 1998 17:54:01 PDT
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Organization: @Home Network
Newsgroups: alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.a
mateur.misc,rec.radio.shortwave
```

Hello to all would-be DXers. Just got my Tech Plus ticket and found 10m is open from San Francisco to Hawaii, S. Pacific and Australia from late afternoon till after dark.

Just thought you ought to know the propagation is looking better on 10!

Rudi - KF6RLQ
wiedemann@home.com
Fremont, CA.

From -7565530360143875502
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a4f95497cb98c71
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6a4f95497cb98c71
X-Google-Attributes: gid114aac,public
X-Google-Thread: fcc6e,6a4f95497cb98c71
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 11480d,6a4f95497cb98c71
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,6a4f95497cb98c71
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,6a4f95497cb98c71
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,6a4f95497cb98c71
X-Google-Attributes: gid114a57,public
From: inigo@montoya.net (D. P. Roberts)
Subject: Re: 10m is OPEN!!!
Date: 1998/06/19
Message-ID: <358dc45e.1169878@news.swbell.net>#1/1
X-Deja-AN: 364056252
Content-Transfer-Encoding: 7bit
References: <JEii1.1031$ZB1.8168134@news.rdc1.sfba.home.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: usenet@nnrp1
X-Trace: nnrp1 898221430 21028 (None) 207.193.3.203
Organization: The Rhyming Swordsmen
Newsgroups: alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.misc,rec.radio.shortwave

>Hello to all would-be DXers. Just got my Tech Plus ticket and found 10m is
>open from San Francisco to Hawaii, S. Pacific and Australia from late
>afternoon till after dark.

I've noticed WWVH into the midwest just about every night, covering WWV on 10 and 15 MHz. WWV has been booming in on 20 MHz just before midnight, but not during the day, which is way counterintuitive to what I was taught about HF propagation!

From 1177943635368319041
X-Google-Language: FRENCH,ASCII
X-Google-Thread: 10c9e3,6a4f95497cb98c71
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6a4f95497cb98c71
X-Google-Attributes: gid114aac,public
X-Google-Thread: 107ada,6a4f95497cb98c71
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,6a4f95497cb98c71
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,6a4f95497cb98c71
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 11480d,6a4f95497cb98c71
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,6a4f95497cb98c71
X-Google-Attributes: gid114a57,public
From: cute@radiotelephone.net.PAS_DE_SPAM (Cutie Boy)
Subject: Re: 10m is OPEN!!!
Date: 1998/06/19
Message-ID: <3589dae2.610864@news.total.net>#1/1
X-Deja-AN: 364072653
References: <JEii1.1031$ZB1.8168134@news.rdc1.sfba.home.com>
Reply-To: cute@radiotelephone.net.PAS_DE_SPAM
Organization: Cute !
Newsgroups: alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.misc,rec.radio.shortwave

On Fri, 19 Jun 1998 00:54:01 GMT, "Rudi Wiedemann"
<wiedemann@home.com> wrote:

>Hello to all would-be DXers. Just got my Tech Plus ticket and found 10m is
>open from San Francisco to Hawaii, S. Pacific and Australia from late
>afternoon till after dark.

don't say tech plus. pro-CWers don't want you to be on 10m with voice.

Cutie Boy (CB) ou
Joli Gar�on (�galement connu comme M@S@)
Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
�tudient @ Informatique et Math�matiques d'Universit� McGill

Montr�al, Qu�bec, Canada
C�: cute@radiotelephone.net.PAS_DE_SPAM
URL : http://www.radiotelephone.net   (Universel)
       http://www.radiotelephone.net/amateur/   (Radio)
          http://www.radiotelephone.net/mcgill/ (Universit� McGill)
          http://www.radiotelephone.net/examiner/ (Examens de U.McGill)
Visit this excellent site
why code has no importance to the amateur radio today:
http://www.nocode.org
License Suggestion: http://www.radiotelephone.net/no-code/

Enlevez l' ".PAS_DE_SPAM" pour r�pondre.
Please remove ".PAS_DE_SPAM" to reply.

ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non sollicit�s!!

From 5424509388239631937
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,6a4f95497cb98c71
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6a4f95497cb98c71
X-Google-Attributes: gid114aac,public
X-Google-Thread: 107ada,6a4f95497cb98c71
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,6a4f95497cb98c71
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,6a4f95497cb98c71
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,6a4f95497cb98c71
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 114a57,6a4f95497cb98c71
X-Google-Attributes: gid114a57,public
From: cop@wave.com (HAM RADIO @ ITS BEST)
Subject: Re: 10m is OPEN!!!
Date: 1998/06/19
Message-ID: <Outi1.21302$Ro2.1368111@pm01nn>#1/1
X-Deja-AN: 364180015
References: <JEii1.1031$ZB1.8168134@news.rdc1.sfba.home.com>
<3589dae2.610864@news.total.net>
Organization: none
NNTP-Posting-Date: Fri, 19 Jun 1998 13:14:22 GMT
Newsgroups: alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.misc,rec.radio.shortwave

I think Cutie Boy is just lacking in some male attributes. I hear that they can give male hormones to help combat his problem.

To the fellow with the Tech-Plus ticket, enjoy the ham bands and ignore the

```
likes of Cutie Boy as he is just a pimple faced little college student that
doesn't know his ass from a hole in the ground.  Your earned the privilege to
be on ham radio.


COP

In article <3589dae2.610864@news.total.net>,
cute@radiotelephone.net.PAS_DE_SPAM wrote:
>On Fri, 19 Jun 1998 00:54:01 GMT, "Rudi Wiedemann"
><wiedemann@home.com> wrote:
>
>>Hello to all would-be DXers.  Just got my Tech Plus ticket and found 10m is
>>open from San Francisco to Hawaii, S. Pacific and Australia from late
>>afternoon till after dark.
>
>
>don't say tech plus.  pro-CWers don't want you to be on 10m with
>voice.
>
>
>______________________________________________________________________
>Cutie Boy (CB) ou
>Joli Gar�on (�galement connu comme M@S@)
>Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
>�tudient @ Informatique et Math�matiques d'Universit� McGill
>Montr�al, Qu�bec, Canada
>C�: cute@radiotelephone.net.PAS_DE_SPAM
>URL     : http://www.radiotelephone.net            (Universel)
>          http://www.radiotelephone.net/amateur/   (Radio)
>          http://www.radiotelephone.net/mcgill/ (Universit� McGill)
>          http://www.radiotelephone.net/examiner/ (Examens de U.McGill)
>Visit this excellent site
>why code has no importance to the amateur radio today:
>http://www.nocode.org
>License Suggestion:  http://www.radiotelephone.net/no-code/
>______________________________________________________________________
>***Enlevez l' ".PAS_DE_SPAM" pour r�pondre.***
>***Please remove ".PAS_DE_SPAM" to reply.***
>
>ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non sollicit�s!!



From 2654695834188950616
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a4f95497cb98c71
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6a4f95497cb98c71
X-Google-Attributes: gid114aac,public
X-Google-Thread: 107ada,6a4f95497cb98c71
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,6a4f95497cb98c71
```

```
X-Google-Attributes: gid114a57,public
X-Google-Thread: fcc6e,6a4f95497cb98c71
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 11480d,6a4f95497cb98c71
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,6a4f95497cb98c71
X-Google-Attributes: gidfa656,public
From: T E I X E I R A <NOSPAMteixeira@ccnet.com>
Subject: Re: 10m is OPEN!!!
Date: 1998/06/19
Message-ID: <358A7088.3172@ccnet.com>#1/1
X-Deja-AN: 364194683
Content-Transfer-Encoding: 7bit
References: <JEii1.1031$ZB1.8168134@news.rdc1.sfba.home.com>
<358dc45e.1169878@news.swbell.net>
Mime-Version: 1.0
Reply-To: NOSPAMteixeira@ccnet.com
Content-Type: text/plain; charset=us-ascii
Organization: T E I X E I R A
Newsgroups: alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.a
mateur.misc,rec.radio.shortwave
```

Ten Meters works when the sun is up. When it goes down so does Ten.

dt

>
> I've noticed WWVH into the midwest just about every night, covering WWV on 10
> and 15 MHz. WWV has been booming in on 20 MHz just before midnight, but not
> during the day, which is way counterintuitive to what I was taught about HF
> propagation!

```
From 3291856217005880265
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a4f95497cb98c71
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6a4f95497cb98c71
X-Google-Attributes: gid114aac,public
X-Google-Thread: 114a57,6a4f95497cb98c71
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,6a4f95497cb98c71
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,6a4f95497cb98c71
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 11480d,6a4f95497cb98c71
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,6a4f95497cb98c71
X-Google-Attributes: gid107ada,public
From: Butch Magee <butchkay@netdoor.com>
```

Subject: Re: 10m is OPEN!!!
Date: 1998/06/19
Message-ID: <358AC8BD.75E@netdoor.com>#1/1
X-Deja-AN: 364296063
Content-Transfer-Encoding: 7bit
References: <JEii1.1031$ZB1.8168134@news.rdc1.sfba.home.com>
<3589dae2.610864@news.total.net>
Content-Type: text/plain; charset=us-ascii
Organization: Internet Doorway, Inc. -- http://www.netdoor.com/
MIME-Version: 1.0
NNTP-Posting-Date: Fri, 19 Jun 1998 15:24:09 CDT
Newsgroups: alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.misc,rec.radio.shortwave

Cutie boy,
  The young man has a TECH PLUS! He has passed the 5 wpm and is welcome to operate phone on 10 meters. Legally!! What is your problem with those of us who have taken the time to learn the code and operate HF? You have been given a welfare liscense to operate above 50 mhz. So operate.

  Are you gay? That name "cutie Boy" is not something a man would tolerate, I don't care one way or the other about your sexuality, it's just that I've seen some of the arguments by the Lambda groups and they are defenseless in what ever cause the "little girlish bitching" types are putting forth. No code was high on their list. They wanted to increase their ranks so they figured that a no code general ticket would do that.

Butch Magee, KF5DE

From 2763487759053180861
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a4f95497cb98c71
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6a4f95497cb98c71
X-Google-Attributes: gid114aac,public
X-Google-Thread: 114a57,6a4f95497cb98c71
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,6a4f95497cb98c71
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,6a4f95497cb98c71
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,6a4f95497cb98c71
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,6a4f95497cb98c71
X-Google-Attributes: gidfa656,public
From: rocker@datasync.com (Ray Rocker)
Subject: Re: 10m is OPEN!!!
Date: 1998/06/19

Message-ID: <6mej6n$6gi$1@osh1.datasync.com>#1/1
X-Deja-AN: 364302261
References: <JEii1.1031$ZB1.8168134@news.rdc1.sfba.home.com>
<358dc45e.1169878@news.swbell.net> <358A7088.3172@ccnet.com>
Organization: Datasync Internet
Newsgroups: alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.misc,rec.radio.shortwave

In article <358A7088.3172@ccnet.com>,
TEIXEIRA <NOSPAMteixeira@ccnet.com> wrote:
>Ten Meters works when the sun is up. When it goes down so does Ten.

In general, yes -- but nothing is absolute especially where
ten meters is concerned. Sporadic E in particular commonly
happens after sunset and can be VERY intense then.

-- Ray WQ5L rocker@datasync.com

From -6923584752468291421
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a4f95497cb98c71
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6a4f95497cb98c71
X-Google-Attributes: gid114aac,public
X-Google-Thread: fcc6e,6a4f95497cb98c71
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 11480d,6a4f95497cb98c71
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,6a4f95497cb98c71
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,6a4f95497cb98c71
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,6a4f95497cb98c71
X-Google-Attributes: gidfa656,public
From: Phil Wheeler <w7ox@ix.netcom.com>
Subject: Re: 10m is OPEN!!!
Date: 1998/06/19
Message-ID: <358AD1EA.C82D4@ix.netcom.com>#1/1
X-Deja-AN: 364302262
Content-Transfer-Encoding: 7bit
References: <JEii1.1031$ZB1.8168134@news.rdc1.sfba.home.com>
To: Rudi Wiedemann <wiedemann@home.com>
Content-Type: text/plain; charset=us-ascii
Organization: ICGNetcom
X-NETCOM-Date: Fri Jun 19 2:03:08 PM PDT 1998
Mime-Version: 1.0

Reply-To: w7ox@ix.netcom.com
Newsgroups: alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.misc,rec.radio.shortwave

Congratulatons!

Now tht 10 meters has whetted your appetite, just think what you can do
on 15/20 .. the latter every day, and into the evening!

KF6RLQ is a relatively new call, so you seem to be on a fast upgrade
path. Keep it up!

73...Phil

From -5900805319056469617
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a4f95497cb98c71
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,6a4f95497cb98c71
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,6a4f95497cb98c71
X-Google-Attributes: gid114a57,public
X-Google-Thread: fcc6e,6a4f95497cb98c71
X-Google-Attributes: gidfcc6e,public
From: MrBob@my-dejanews.com
Subject: Re: 10m is OPEN!!!
Date: 1998/06/19
Message-ID: <6meoj6$u7i$1@nnrp1.dejanews.com>#1/1
X-Deja-AN: 364310810
References: <JEii1.1031$ZB1.8168134@news.rdc1.sfba.home.com>
To: wiedemann@home.com
X-Http-User-Agent: Mozilla/4.01 [en] (Win95; I)
Organization: Deja News - The Leader in Internet Discussion
X-Article-Creation-Date: Fri Jun 19 22:26:46 1998 GMT
Newsgroups: alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna

Rudi,

Congratulations on getting your Tech Plus license !!!

We are coming out of the low end of the solar cycle, so 10 meters
will be getting better and better. Look for several years of
excitment on 10. Right now 10 will have its "ups" and "downs",
so some days it will be real hot and other days, nothing.

Remember 10 can go from hot to cold in a mater of minutes.
I was talking with a guy across the country, his signal went

from S9 on my meter to S0 in about a minute. Oh well, it
happens. Think of it as part of the fun of 10; you never know
what is going to happen.

You may want to keep working on upgrading. I know that 13 WPM
may seem like a lot, but if you work at it, you can do it.
Once you pass the 13 WPM and General test, you get a slice of
ALL the HF bands.   From there, it's just the written test to
reach Advanced. With Advanced you get a bigger slice of HF
AND if you want, a 2n2 callsign.

73,
Bob

I was KF6JHG, I'm now KQ6WQ

In article <JEii1.1031$ZB1.8168134@news.rdc1.sfba.home.com>,
  "Rudi Wiedemann" <wiedemann@home.com> wrote:
>
> Hello to all would-be DXers. Just got my Tech Plus ticket and found 10m is
> open from San Francisco to Hawaii, S. Pacific and Australia from late
> afternoon till after dark.
>
> Just thought you ought to know the propagation is looking better on 10!
>
> Rudi - KF6RLQ
> wiedemann@home.com
> Fremont, CA.

-----== Posted via Deja News, The Leader in Internet Discussion ==-----
http://www.dejanews.com/   Now offering spam-free web-based newsreading

From 2119978298727620970
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a4f95497cb98c71
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114a57,6a4f95497cb98c71
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,6a4f95497cb98c71
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,6a4f95497cb98c71
X-Google-Attributes: gidfcc6e,public
From: BrianBurke@my-dejanews.com
Subject: Re: 10m is OPEN!!!
Date: 1998/06/19
Message-ID: <6mer87$25r$1@nnrp1.dejanews.com>#1/1
X-Deja-AN: 364326488
References: <JEii1.1031$ZB1.8168134@news.rdc1.sfba.home.com>
<358dc45e.1169878@news.swbell.net> <358A7088.3172@ccnet.com>
X-Http-User-Agent: Mozilla/3.01C-KIT (Win95; I)

Organization: Deja News - The Leader in Internet Discussion
X-Article-Creation-Date: Fri Jun 19 23:12:08 1998 GMT
Newsgroups: alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna

More old XYL tales.
I've worked 10 meters from Guam to Europe till 4AM local.

Brian/N0iMD

In article <358A7088.3172@ccnet.com>,
  NOSPAMteixeira@ccnet.com wrote:
>
> Ten Meters works when the sun is up. When it goes down so does Ten.
>
> dt
>
> >
> > I've noticed WWVH into the midwest just about every night, covering WWV on
10
> > and 15 MHz. WWV has been booming in on 20 MHz just before midnight, but not
> > during the day, which is way counterintuitive to what I was taught about HF
> > propagation!
>

-----== Posted via Deja News, The Leader in Internet Discussion ==-----
http://www.dejanews.com/   Now offering spam-free web-based newsreading

From -8696168991310295532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,6e3b0650020e58eb,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,6e3b0650020e58eb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,6e3b0650020e58eb,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,6e3b0650020e58eb,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,6e3b0650020e58eb,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,6e3b0650020e58eb,start
X-Google-Attributes: gidf76e2,public
From: "ka0nno" <ka0nno@cswnet.com>
Subject: For Sale: HTX 100 10meter ssb and cw
Date: 1998/06/23
Message-ID: <6mpd4s$o4e$1@news-in.anc.net>#1/1
X-Deja-AN: 365465637
X-Mimeole: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: Arkansas.Net (501) 375-0160

Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap

For Sale: HTX 100 10meter ssb and cw.

Radio is practically new and no scratches, in mint condition. Includes microphone and mobile bracket and microphone hang up clip plus power cord. I do not have the original box and the manual was lost in a fire.

Asking $150.00 or best offer plus shipping.
If interested contact via email at n0eoq@6mt.com

Thank you George n0eoq

From 1883969852314912250
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcf539295cc91320,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,bcf539295cc91320,start
X-Google-Attributes: gid1109af,public
From: "T.Pierce" <Thefireman@innocent.com>
Subject: HTX-212
Date: 1998/06/24
Message-ID: <35905D80.3C9F@innocent.com>#1/1
X-Deja-AN: 365505338
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0
NNTP-Posting-Date: Tue, 23 Jun 1998 22:00:22 EST
Reply-To: thefireman@innocent.com
Content-Type: text/plain; charset=us-ascii
Newsgroups: rec.ham-radio,rec.radio.swap

Is there any mods that can be done to the HTX-212 to Tx out of Band(yes, i do have permission to transmit out of band) :):)
Thanks in advance
Tony

--
Pursuant:
U.S.C. TITLE 47, CHAPTER 5, SUBCHAPTER II, a 227.
Restrictions on use of telephone equipment:
Unsolicited e-mail sent to this address is subject
to an archival fee of not less than $500 U.S. per copy. E-mail recieved
after any receipt of this notice implies acceptance of these terms.
ref: http://www.law.cornell.edu/uscode/47/227.shtml
implemented: 03/11/98, all documents are categorized and cross

referenced.

```
From 5596434245971969702
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,87d0e74e3e07742e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,87d0e74e3e07742e,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 114aac,87d0e74e3e07742e,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 108122,87d0e74e3e07742e,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fddbf,87d0e74e3e07742e,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f4b49,87d0e74e3e07742e,start
X-Google-Attributes: gidf4b49,public
X-Google-Thread: fb6c1,87d0e74e3e07742e,start
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: f4306,87d0e74e3e07742e,start
X-Google-Attributes: gidf4306,public
From: "DCS" <dunn@wantree.com.au>
Subject: Q-MAC - Makers of the Worlds Smallest HF SSB Transceiver
Date: 1998/06/25
Message-ID: <6mru0g$jqk$1@news.wantree.com.au>#1/1
X-Deja-AN: 365783900
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.0518.4
Organization: Wantree Development
Newsgroups: alabama.birmingham.radio.amateur,alt.ham-
radio.packet,aus.radio.packet,nl.radio.amateur,rec.ham-radio,rec.ham-
radio.packet,rec.radio.amateur.equipment,rec.radio.shortwave
```

Q-MAC Electronics Pty Ltd is the designer and manufacturer of the HF-90 Compact Transceiver - the world's smallest high performance HF SSB transceiver, suited to commercial and military/paramilitary applications.

For more details visit our website at www.wantree.com.au/~qmac

```
From -4999433254783371062
X-Google-Language: ENGLISH,ASCII-7-bit
```

```
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,9cf4839c7df9b5d5,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5,start
X-Google-Attributes: gid114a57,public
From: Fran <fmhuguet@wi.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/01
Message-ID: <359AF3AA.37F53546@wi.net>#1/1
X-Deja-AN: 367949837
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
Mime-Version: 1.0
NNTP-Posting-Date: 2 Jul 1998 02:42:45 GMT
Reply-To: fmhuguet@wi.net
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@tcccom.net
X-Trace: newsfeed2.tcccom.net 899347365 22606 207.227.48.5 (2 Jul 1998 02:42:45
GMT)
Organization: TCC Communications
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio
.amateur.misc
```

i am interested in hearing some anecdotes concerning emergency communications in which cw was the only viable, available communication mode. please limit the evidence to the past 10 years and to the usa. evidence such as this is the proof in the pudding. the more the better.

fran

Rudi Wiedemann wrote:

> I've been "lurking" in these newsgroups, reading all the trash about "know
> code" vs "no code" emotions.
>
> It's real simple.......put yourself into your favorite natural or man-made
> disaster REGION WIDE scenario, and the start pulling the plug on your
> computer, your phone lines, your TV, cable service, your cell phone, and of
> course the rest of your power, water, sewage, garbage pickup.........then
> soon the police, fire, and ambulance services become overwhelmed.
>
> Now that you're sitting there in the dark, with injured and scared family or

```
> friends, WHO YOU GONNA CALL???    YEAH, RIGHT, 911,  HAH!!!!
>
> How can you make DAMNED sure you can get a message about you, your family or
> friends OUT OF THE EFFECTED AREA?
>
> The local VHF/UHF repeater towers are pretzels.  The CB bands are full of
> looters waiting to hear would-be victims calling for help.  With all the
> power line failures, the airwaves have some SERIOUS QRM, so voice
> communications is all but impossible.
>
> The bottom line is simple physics.......CW is the MOST ROBUST means of long
> distance communications when all else fails.  I don't need fancy computers
> and software.  I don't need repeaters.  I don't need TNCs.  I need only a
> simple power source, like a car battery, a radio, a dipole, and a key.
>
> I maintain that THIS is why Ham Radio has a well-deserved reputation for
> providing disaster communication worldwide.  It's because of trained and
> self-disciplined operators who commit themselves to be prepared to offer
> their valuable assistance to their affected community.  Hell, isn't that a
> big part of what Field Day is all about?
>
> So, for my money, I say to those who want "instant gratifaction" by dropping
> code to gain HF privileges............get proficient in code NOT because the
> FCC says you need to, but rather because it's smart!  Let's not lower
> another chin-bar so more people can "fall backwards" over it.  Instead,
> let's do our part to help raise more enthusiasts to gain a valuable skill.
>
> Rudi Wiedemann - KF6RLQ
> wiedemann@home.com
```

```
From -2181441003971505447
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: kd5amz@flash.net
Subject: Re: JUSTIFICATION FOR CW
```

Date: 1998/07/01
Message-ID: <359af8d0.177007686@news.flash.net>#1/1
X-Deja-AN: 367970771
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<OkCm1.54$ZR6.213774@news2.randori.com>
Mime-Version: 1.0
Reply-To: kd5amz
Content-Type: text/plain; charset=us-ascii
Organization: me
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

On Thu, 02 Jul 1998 02:34:22 GMT, "Rich M." <right@home.com> wrote:

>Well said.
>
>Dick   N7JPO
>
>>So, for my money, I say to those who want "instant gratifaction" by
>dropping
>>code to gain HF privileges............get proficient in code NOT because
>the
>>FCC says you need to, but rather because it's smart! Let's not lower
>>another chin-bar so more people can "fall backwards" over it. Instead,
>>let's do our part to help raise more enthusiasts to gain a valuable skill.
>>
>>Rudi Wiedemann - KF6RLQ
>>wiedemann@home.com
>>
>
the problem is that most people who would love to do HF have no
interest in CW <at least the no coders I know around here>
btw check me in the callbook in a couple of weeks.................not
now as I just show tech +
I HATE code, I will NEVER do it again, and I LIKE saying that. I
decided that I wanted to do some hf, so I went ahead and took the
plunge. Actually I wanted to put a 10 meter split site repeater up
with 2 meter or 430 link frequencies so ALL who want can use it.
I am not a snotty you gotta doit cuz I did kinda guy.
I am a member of the NCI <no code international>
I did code because I had to, not because I want to. I think it sucks,
it is at best moderatly efficient <MANUAL CODE THAT IS> and
it is VERY unappetizing to the new ham. Lets face it, if we don't do
something with these bands, they are going to be taken away.

hf, vhf, uhf, shf and light bands need to be utilized for retention.

look at what the code barrier created on 3853, 3894, 3850, 3950,
14.313----and by the way just WHERE IS RAINCOAT CHARLIE??
don't forget to mention the casual redneck who got this here radio

at the hamfest......no call at all

GIMME A BREAK!

let people face their ham radio tenure on thier own. IF they want it, support them, if they don't support them, don't alienate them

piss me off, and I will flip a bugger on your windshield!

KD5AMZ temporary AG

From -4161320596779022125
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: Curtis M LaFon <n5hdq@wf.quik.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/01
Message-ID: <359B1654.21E0C107@wf.quik.com>#1/1
X-Deja-AN: 367970772
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Organization: Quik Internet
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Rudi Wiedemann wrote:

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> code" vs "no code" emotions.

>
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> another chin-bar so more people can "fall backwards" over it. Instead,
> let's do our part to help raise more enthusiasts to gain a valuable skill.
>
> Rudi Wiedemann - KF6RLQ
> wiedemann@home.com

Well said and good point Rudy.
However you are fighting the "me .. I want it now"
mentality of so many people.

--

FBI wants to register your guns under BRADY.
You can help repeal BRADY. Info at my site:
http://wf.quik.com/n5hdq
Curtis .. N5HDQ ..

From -3251307802989149719
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: Bob <cqbdiaz@pacbell.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/01
Message-ID: <359B1F62.108D@pacbell.net>#1/1
X-Deja-AN: 367997731
Content-Transfer-Encoding: 7bit
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359AF3AA.37F53546@wi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Organization: KF6JHG
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Fran wrote:
>
> i am interested in hearing some anecdotes concerning emergency communications in
> which cw was the only viable, available communication mode. please limit the
> evidence to the past 10 years and to the usa. evidence such as this is the
> proof in the pudding. the more the better.
>
> fran

If one were to look at the Northridge Quake, you'd see that the real emergency communications took place on FM voice. However, a lot of critical messages were passed via packet. If you really want to look at real world emergency communications, check out the back issues of QST for their reports of Hams helping out at ...

All modes of radio COULD be used in an emergency; however that's not the real justification for CW. The real reason is that for many, it's fun. OK, I know it's not everyone's "cup of tea", but when the bands have a bad noise problem, CW does a lot better than SSB.

73,
Bob
KQ6WQ

--

If you wish to email me, please remove the letters "cq" from the start of my email. (I put the letters "cq" so that the automatic email SPAM programs will get the wrong address.)   :-)

From -6690725471591846524
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
From: "Rudi Wiedemann" <wiedemann@home.com>
Subject: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>#1/1
X-Deja-AN: 367937017
NNTP-Posting-Date: Wed, 01 Jul 1998 18:51:38 PDT
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Organization: @Home Network
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

I've been "lurking" in these newsgroups, reading all the trash about "know code" vs "no code" emotions.

It's real simple.......put yourself into your favorite natural or man-made disaster REGION WIDE scenario, and the start pulling the plug on your computer, your phone lines, your TV, cable service, your cell phone, and of course the rest of your power, water, sewage, garbage pickup.........then soon the police, fire, and ambulance services become overwhelmed.

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So, for my money, I say to those who want "instant gratifaction" by dropping code to gain HF privileges............get proficient in code NOT because the FCC says you need to, but rather because it's smart! Let's not lower another chin-bar so more people can "fall backwards" over it. Instead, let's do our part to help raise more enthusiasts to gain a valuable skill.

Rudi Wiedemann - KF6RLQ
wiedemann@home.com

From 2974273884901284708
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
From: "Rich M." <right@home.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02

Message-ID: <OkCm1.54$ZR6.213774@news2.randori.com>#1/1
X-Deja-AN: 367949836
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
NNTP-Posting-Date: Wed, 01 Jul 1998 19:34:22 PDT
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Well said.

Dick   N7JPO

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>Rudi Wiedemann - KF6RLQ
>wiedemann@home.com
>
>
>

From -7790643603795175081
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: "tcrpe" <tcrpe@yahoo.com>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <ZyDm1.89$xT.1543603@no-cha>#1/1
X-Deja-AN: 367965858

References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359AF3AA.37F53546@wi.net>
NNTP-Posting-Date: Wed, 01 Jul 1998 20:57:45 PDT
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: Lightspeed Net
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

Gee, its too bad that you limit this to the last 10 years or I could list:

WW1
WW2
Russian Revolution
Nazi Domination of Europe
Chinese Cultural Revolution
Rape of Nanking
The many nations subjugated by the Japanese before WW2
Natural Disaters of great scale, earthquake, volcanoes, you know, the really big ones that only come along every few centuries
I won't even get into the happenings in Africa

But since these aren't acceptable disasters, I won't mention them. Just what type of disasters can we expect in the next 10 years? BTW, I can go out to my garage and fabricate a CW key in 5 seconds. How long to fabricate an electret mike in your garage? I can build a simple CW transmitter and transmitter from the parts I find in a cast-off radio. Could you make a SSB xcvr out of the same? How did Adm. Stockdale communicate with his fellow prisoners during his 7(?) year vacation at the Hanoi Hilton? It wasn't SSB on 11 meters.

When I was 13 years (in 1966) old Sister Charlotte, K6VFE taught me the code in 6 hours over 3 evenings.

My very fondest regards

Fran wrote in message <359AF3AA.37F53546@wi.net>...
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>which cw was the only viable, available communication mode. please limit
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>>
>> Rudi Wiedemann - KF6RLQ
>> wiedemann@home.com
>
>
>

From -4067253548384599107
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: cute@radiotelephone.net.PAS_DE_SPAM (Cutie Boy)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <359b6294.1603984@news.total.net>#1/1
X-Deja-AN: 368045736
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
Reply-To: cute@radiotelephone.net.PAS_DE_SPAM
Organization: Cute !
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

On Thu, 02 Jul 1998 01:51:38 GMT, "Rudi Wiedemann"
<wiedemann@home.com> wrote:

>The local VHF/UHF repeater towers are pretzels. The CB bands are full of
>looters waiting to hear would-be victims calling for help. With all the
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>and software. I don't need repeaters. I don't need TNCs. I need only a
>simple power source, like a car battery, a radio, a dipole, and a key.

Mr. Idiot, what if CW fails ??   Don't include EVERYTHING except CW
for "all communications fail."   Include CW also.

>I maintain that THIS is why Ham Radio has a well-deserved reputation for
>providing disaster communication worldwide.

ask your neighbour and they don't know about it. show your CW keyer
and punch CW keyers and call CQ. I am sure your neighbour will be

impressed !! (grin)

>wiedemann@home.com

and the massive crossposting is the way to illustrate how pro-CWers
are stupid.

Cutie Boy (CB) ou Joli Gar�on(�galement connu comme M@S@)
Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
�tudient @ Informatique et Math�matiques d'Universit� McGill
Montr�al, Qu�bec, Canada
C�: cute@radiotelephone.net.PAS_DE_SPAM
URL : http://www.radiotelephone.net   (Universel)
       /amateur/   (Radio) /mcgill/ (Universit� McGill)
          /examiner/ (Examens de U.McGill)
Support No Morse Code Testing Requirement for Amateur Radio !
http://www.nocode.org; http://www.radiotelephone.net/no-code/

Enlevez l' ".PAS_DE_SPAM" pour r�pondre.
ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non sollicit�s!!
Please remove ".PAS_DE_SPAM" to reply.

From -6120642777502975587
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
From: cute@radiotelephone.net.PAS_DE_SPAM (Cutie Boy)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <359b632a.1753623@news.total.net>#1/1
X-Deja-AN: 368045737
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<OkCm1.54$ZR6.213774@news2.randori.com> <359af8d0.177007686@news.flash.net>

Reply-To: cute@radiotelephone.net.PAS_DE_SPAM
Organization: Cute !
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

On Wed, 01 Jul 1998 09:02:04 GMT, kd5amz@flash.net wrote:

>the problem is that most people who would love to do HF have no
>interest in CW <at least the no coders I know around here>
>btw check me in the callbook in a couple of weeks..................not
>now as I just show tech +

>I HATE code, I will NEVER do it again, and I LIKE saying that. I

I know. Know code = Know ham. No code = No ham. Get the rid of all
idiots out of HF. Sooooon there will be no once out there and gov't
will cut the freqs. I love see that.

____
Cutie Boy (CB) ou Joli Gar�on(�galement connu comme M@S@)
Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
�tudient @ Informatique et Math�matiques d'Universit� McGill
Montr�al, Qu�bec, Canada
C�: cute@radiotelephone.net.PAS_DE_SPAM
URL : http://www.radiotelephone.net   (Universel)
       /amateur/   (Radio) /mcgill/ (Universit� McGill)
          /examiner/ (Examens de U.McGill)
Support No Morse Code Testing Requirement for Amateur Radio !
http://www.nocode.org; http://www.radiotelephone.net/no-code/

____
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ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non sollicit�s!!
Please remove ".PAS_DE_SPAM" to reply.

From 6338300312774177563
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5

X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
From: cute@radiotelephone.net.PAS_DE_SPAM (Cutie Boy)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <359b636f.1822644@news.total.net>#1/1
X-Deja-AN: 368045738
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359AF3AA.37F53546@wi.net>
Reply-To: cute@radiotelephone.net.PAS_DE_SPAM
Organization: Cute !
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

On Wed, 01 Jul 1998 21:42:50 -0500, Fran <fmhuguet@wi.net> wrote:

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>which cw was the only viable, available communication mode. please limit the
>evidence to the past 10 years and to the usa. evidence such as this is the
>proof in the pudding. the more the better.
>
>fran

I know. Then they will bring up nuclear war which "can" happen in
next 100 years... then I will say all people in the world should
carry guns and bombs to protect from UFOs in next 100 years.....

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Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
�tudient @ Informatique et Math�matiques d'Universit� McGill
Montr�al, Qu�bec, Canada
C�: cute@radiotelephone.net.PAS_DE_SPAM
URL : http://www.radiotelephone.net   (Universel)
       /amateur/   (Radio) /mcgill/ (Universit� McGill)
          /examiner/ (Examens de U.McGill)
Support No Morse Code Testing Requirement for Amateur Radio !
http://www.nocode.org; http://www.radiotelephone.net/no-code/

Enlevez l' ".PAS_DE_SPAM" pour r�pondre.
ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non sollicit�s!!
Please remove ".PAS_DE_SPAM" to reply.

From -6391884973868458486
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9cf4839c7df9b5d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,9cf4839c7df9b5d5
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,9cf4839c7df9b5d5
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 11480d,9cf4839c7df9b5d5
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
From: cute@radiotelephone.net.PAS_DE_SPAM (Cutie Boy)
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <359b639f.1871388@news.total.net>#1/1
X-Deja-AN: 368045739
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359AF3AA.37F53546@wi.net> <ZyDm1.89$xT.1543603@no-cha>
Reply-To: cute@radiotelephone.net.PAS_DE_SPAM
Organization: Cute !
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc

On Thu, 02 Jul 1998 03:57:45 GMT, "tcrpe" <tcrpe@yahoo.com> wrote:

>Gee, its too bad that you limit this to the last 10 years or I could list:

>WW1
>WW2
>Russian Revolution
>Nazi Domination of Europe
>Chinese Cultural Revolution
>Rape of Nanking
>The many nations subjugated by the Japanese before WW2
>Natural Disaters of great scale, earthquake, volcanoes, you know, the really
>big ones that only come along every few centuries
>I won't even get into the happenings in Africa

>But since these aren't acceptable disasters, I won't mention them. Just
>what type of disasters can we expect in the next 10 years? BTW, I can go
>out to my garage and fabricate a CW key in 5 seconds.
> How long to fabricate
>an electret mike in your garage? I can build a simple CW transmitter and
>transmitter from the parts I find in a cast-off radio. Could you make a SSB
>xcvr out of the same? How did Adm. Stockdale communicate with his fellow

>prisoners during his 7(?) year vacation at the Hanoi Hilton? It wasn't SSB
>on 11 meters.

Yours aren't the examples. Give us the example where ALL VOICE and
DIGITAL communications fail ad CW is only the way to transmit your
signal.   WW I and WWII aren't the example. You were just banned to
use HF spectrum in any matter. Get a life. Think of nuclear war and
say know code = know ham = know radio = know emergency.   Think of
UFOs and say have guns = have bombs = have protections = have safety.

____
Cutie Boy (CB) ou Joli Gar�on(�galement connu comme M@S@)
Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
�tudient @ Informatique et Math�matiques d'Universit� McGill
Montr�al, Qu�bec, Canada
C�: cute@radiotelephone.net.PAS_DE_SPAM
URL : http://www.radiotelephone.net   (Universel)
       /amateur/   (Radio) /mcgill/ (Universit� McGill)
           /examiner/ (Examens de U.McGill)
Support No Morse Code Testing Requirement for Amateur Radio !
http://www.nocode.org; http://www.radiotelephone.net/no-code/

____
Enlevez l' ".PAS_DE_SPAM" pour r�pondre.
ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non sollicit�s!!
Please remove ".PAS_DE_SPAM" to reply.

From 7947776239587252427
X-Google-Language: FRENCH,ASCII
X-Google-Thread: 10c9e3,9cf4839c7df9b5d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,9cf4839c7df9b5d5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9cf4839c7df9b5d5
X-Google-Attributes: gidfa656,public
From: "Jim Gaskins" <jgaskins@visi.net>
Subject: Re: JUSTIFICATION FOR CW
Date: 1998/07/02
Message-ID: <QUJm1.1976$W31.10066576@firenze.visi.net>#1/1
X-Deja-AN: 368045742
References: <KIBm1.2611$ZB1.15932960@news.rdc1.sfba.home.com>
<359b6294.1603984@news.total.net>
NNTP-Posting-Date: Thu, 02 Jul 1998 07:10:40 EST
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc

Cutie Boy wrote in message <359b6294.1603984@news.total.net>...

```
>On Thu, 02 Jul 1998 01:51:38 GMT, "Rudi Wiedemann"
><wiedemann@home.com> wrote:
  <snip>

>
>
>and the massive crossposting is the way to illustrate how  pro-CWers
>are stupid.
>
You mean, like the way YOU cross-posted?  Guess that says something about
all of the anti-CWers as well.
>
>
>______________________________________________________________________
>Cutie Boy (CB) ou Joli Gar�on(�galement connu comme M@S@)
>Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
>�tudient @ Informatique et Math�matiques d'Universit� McGill
>Montr�al, Qu�bec, Canada
>C�: cute@radiotelephone.net.PAS_DE_SPAM
>URL : http://www.radiotelephone.net            (Universel)
>   /amateur/   (Radio) /mcgill/ (Universit� McGill)
>          /examiner/ (Examens de U.McGill)
>Support No Morse Code Testing Requirement for Amateur Radio !
>http://www.nocode.org; http://www.radiotelephone.net/no-code/
>______________________________________________________________________
>***Enlevez l' ".PAS_DE_SPAM" pour r�pondre.***
>ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non
sollicit�s!!
>***Please remove ".PAS_DE_SPAM" to reply.***
```

```
From 1159452103541341625
X-Google-Language: Japanese,JIS
X-Google-Thread: 10c9e3,52f0b71746fb8f30,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,52f0b71746fb8f30,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 1109af,52f0b71746fb8f30,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,52f0b71746fb8f30,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,52f0b71746fb8f30,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc8b1,52f0b71746fb8f30,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa029,52f0b71746fb8f30,start
X-Google-Attributes: gidfa029,public
From: AKIO FUJIKAWA <fujikawa@nk.rim.or.jp>
Subject: Looking for SONY CRF-1
Date: 1998/04/26
```

Message-ID: <3542C70F.FA01A170@nk.rim.or.jp>#1/1
X-Deja-AN: 347751541
Content-Transfer-Encoding: 7bit
X-Priority: 3 (Normal)
Mime-Version: 1.0
Reply-To: fujikawa@nk.rim.or.jp
Content-Type: text/plain; charset=iso-2022-jp
Organization: RIMNET
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.swap,rec.radio.scanner,rec.radio.shortwave,rec.radio.swap

Hello!
I am looking for SONY radio CRF-1.
If you have information, please send e-mail.

Best regards,
73
akio fujikawa
fujikawa@nk.rim.or.jp
$B!!(J

From -6877613243906786613
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,52f0b71746fb8f30
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,52f0b71746fb8f30
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 114aac,52f0b71746fb8f30
X-Google-Attributes: gid114aac,public
X-Google-Thread: 1109af,52f0b71746fb8f30
X-Google-Attributes: gid1109af,public
X-Google-Thread: fc8b1,52f0b71746fb8f30
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa029,52f0b71746fb8f30
X-Google-Attributes: gidfa029,public
X-Google-Thread: f76e2,52f0b71746fb8f30
X-Google-Attributes: gidf76e2,public
From: Benny Martinez <bamartz@iglobal.net>
Subject: FS Radio Equipment
Date: 1998/04/26
Message-ID: <35433F75.9EB27EF4@iglobal.net>#1/1
X-Deja-AN: 347813893
Content-Transfer-Encoding: 7bit
References: <3542C70F.FA01A170@nk.rim.or.jp>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: newsabuse@supernews.com
X-Trace: 893545795 VRL06/YYIAE43CF2BC e4000.supernews.com

Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.swap,rec.radio.scanner,rec.radio.shortwave,rec.radio.swap

Regency 25 watt repeater, power supply, community tone
panel, decibel duplexer, cavity, circulator, in 19 in equip
rack..... $700.00 or trade for mobile hf radio   706 or ts50

Fujitsu Ten mobile radio uhf, 2 handheld radios, programmer,
programming chip, 1 charger

Regency 25 watt 10 channel programmable radio

Regency 1 watt handheld oty 3 $50.00 each

Benny Martinez
bamartz@iglobal.net
KA5OMI

From 8026832419640265771
X-Google-Language: Japanese,JIS
X-Google-Thread: 10c9e3,52f0b71746fb8f30
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,52f0b71746fb8f30
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,52f0b71746fb8f30
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,52f0b71746fb8f30
X-Google-Attributes: gid1109af,public
X-Google-Thread: fc8b1,52f0b71746fb8f30
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa029,52f0b71746fb8f30
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1031c8,52f0b71746fb8f30
X-Google-Attributes: gid1031c8,public
From: Titan <titangh@hooked.net>
Subject: Re: Looking for SONY CRF-1
Date: 1998/04/26
Message-ID: <35435DEA.5315@hooked.net>#1/1
X-Deja-AN: 347841278
Content-Transfer-Encoding: 7bit
References: <3542C70F.FA01A170@nk.rim.or.jp>
To: fujikawa@nk.rim.or.jp
Content-Type: text/plain; charset=us-ascii
Organization: Whole Earth Networks News
Mime-Version: 1.0

Reply-To: titangh@hooked.net
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.swap,rec.radio.scanner,rec.radio.shortwave,rec.radio.swap

AKIO FUJIKAWA wrote:
>
> Hello!
> I am looking for SONY radio CRF-1.
> If you have information, please send e-mail.
>
> Best regards,
> 73
> akio fujikawa
> fujikawa@nk.rim.or.jp
> $B!!(J

What is a CRF-1? I have a CRF 5080 that I bought in 1975 and like very much. I have not been able to find any information about these older radios on the web.

From 8643500905831484632
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,820ad8910f3e2f5,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,820ad8910f3e2f5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,820ad8910f3e2f5,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,820ad8910f3e2f5,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,820ad8910f3e2f5,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1109af,820ad8910f3e2f5,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,820ad8910f3e2f5,start
X-Google-Attributes: gidf76e2,public
From: "ka0nno" <ka0nno@cswnet.com>
Subject: For Sale: Connect Systems CS-700
Date: 1998/04/26
Message-ID: <6hvpba$hhm$1@news-in.anc.net>#1/1
X-Deja-AN: 347851858
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: Arkansas.Net (501) 375-0160
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap

For Sale: Connect Systems CS-700 Auto Phone Patch

The CS-700 is for simplex operation and offers selectable VOX enhanced VOX
controlled sampling. Complete with 9 memory speed dialer. 12-15 VDC
Used 4 months includes original box, manual and Ps.

Asking $125.00 plus S/H
If interested contact
George n0eoq at
n0eoq@6mt.com or call
870-389-6516

From 7430892228459035708
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,d042e37d43e76353,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,d042e37d43e76353,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,d042e37d43e76353,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fdbb7,d042e37d43e76353,start
X-Google-Attributes: gidfdbb7,public
X-Google-Thread: 1109af,d042e37d43e76353,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,d042e37d43e76353,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,d042e37d43e76353,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 107ada,d042e37d43e76353,start
X-Google-Attributes: gid107ada,public
From: "Donald W. Chapman" <dwc@mallsurfer.com>
Subject: moving sale
Date: 1998/04/26
Message-ID: <354374B5.F2149990@mallsurfer.com>#1/1
X-Deja-AN: 347861891
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
X-Trace: 26 Apr 1998 17:52:58 -0600, 209.144.4.40
Newsgroups: rec.radio.amateur.misc,rec.ham-radio,alt.radio.amateur.club.clarc,alt.ham-radio.marketplace,rec.radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.ham-radio.swap

The following is a list of radio gear that I am offering for sale. All
equipment is being made available on a first come, first serve, basis.

E-mail offer to me, and all reasonable offers will get a reply if the item is still available.

Icom 706 with remote cable and mounting bracket for face

SG-231 SmartTuner - antennr coupler 1.8 to 60 MHz.

SOLD Kenwood TM331A 220 MHz mobile radio. Excellent shape. No bracket or manual.

Yaesu Vertex 2011 commerical VHF radio - Brand new condition
Yaesu Vertex 7011 commerical UHF radio - Excellent condition
These radios are based on the Yaesu 2500M chasis. I have the programming cable and software. Each radio has 99 channels that can be placed into 10 groups.

MFJ 1276 packet/pactor tnc - Brand new condition

DX-390 shortwave radio. - Brand new condition

PRO-39 scanner - restored cellular excellent condition

Icom IC-W31A duel band handie talkie with 800 MHz RX includes cellular
3 batteries - Tucker fast charger (incomplete needs cup)

Uniden Bearcat 895XLT - Includes home made computer interface cable and some collected
software. Brand new condition

3 element 6 meter beam

6 meter Ringo Ranger

Buyer is responsible for all packaging costs, handling and shipping charges/expenses.

** E-mail your offer to billybob@mallsurfer.com **

Donald W. Chapman
dwc@mallsurfer.com

```
From 5340712978365828743
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6188232fb6ba05e5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,6188232fb6ba05e5,start
X-Google-Attributes: gidfa656,public
```

X-Google-Thread: 107ada,6188232fb6ba05e5,start
X-Google-Attributes: gid107ada,public
From: "Kiszka-Kanowitz" <robin.kiszka@frederiksbrg.mail.telia.com>
Subject: Ex-South African QSO Party
Date: 1998/04/26
Message-ID: <01bd713f86622820LocalHost@d00007998>#1/1
X-Deja-AN: 347896717
X-NNTP-Posting-Host: t1o101p55.telia.com
X-Complaints-To: abuse@internet.telia.com
Organization: Kiszka-Kanowitz
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc

I am intersted in making QSO with ex-South Africans living in Europe, Scandinavia and the Middle East (due to my limited antenna cndx). If you are interested then please send e-mail to rkk@ascom.dk and we can arrange a sched. The more the merrier ... perhaps we can arange a bring and braai ?

73's
Robin
OZ6ABM ex. Pretoria, South Africa.

From -3632206605656539321
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f9c4cc3db1358471,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,f9c4cc3db1358471,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,f9c4cc3db1358471,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,f9c4cc3db1358471,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 108122,e000c9581fe48a50
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,e000c9581fe48a50
X-Google-Attributes: gid107ada,public
From: lou albert <lalbert@uakron.edu>
Subject: ADMS Yaesu VX-1 Problems
Date: 1998/04/28
Message-ID: <35468312.2AC230F5@uakron.edu>#1/1
X-Deja-AN: 348611809
Content-Transfer-Encoding: 7bit
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@neo.lrun.com
X-Trace: akron5.neo.lrun.com 893813522 1946 (None) 204.210.215.28
Organization: Road Runner High Speed Online -- Northeast Ohio, USA
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap

You might note that COM2: and COM4: use the same IRQ -- that often
causes
problems with other communications software... I suggest removing the
MODEM
for a test, that is the only way to quickly tell if the rig, software
and
cable are OK.

I suspect the cable, rig and software are OK, just a bit touchy!

You will also want to upgrade the software, V1.03 has bugs download the
patch
from RT's site: http://www.rtsars.com

I just purchased the software and cable ... after some start up
problems, and
the bugs in the version 1.03, I finally have it up and running.

Wayne
WS8RM

from
--
Lou Albert (WA8PHD), Voice - 330-864-0650

http://lek.net/~byron/lou/
http://www.f-stopcamera.com/

From -3931565879342819752
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,820ad8910f3e2f5
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,820ad8910f3e2f5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,820ad8910f3e2f5
X-Google-Attributes: gid108122,public
X-Google-Thread: 1146d3,2d34200e878405a6,start
X-Google-Attributes: gid1146d3,public
X-Google-Thread: fa656,820ad8910f3e2f5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,2d34200e878405a6,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: 101203,2d34200e878405a6,start
X-Google-Attributes: gid101203,public
X-Google-Thread: f76e2,820ad8910f3e2f5
X-Google-Attributes: gidf76e2,public
From: "ka0nno" <ka0nno@cswnet.com>
Subject: For Sale: Connect Systems CS-700

```
Date: 1998/04/30
Message-ID: <6ia1mo$lil$1@news-in.anc.net>#1/1
X-Deja-AN: 349085635
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: Arkansas.Net (501) 375-0160
Newsgroups: alt.ham-radio.marketplace,fido.su.hamradio,fido7.hamradio,rec.ham-
radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.
radio.amateur.swap,rec.radio.swap
```

For Sale: Connect Systems CS-700 Auto Phone Patch

The CS-700 is for simplex operation and offers selectable VOX enhanced VOX
controlled sampling. Complete with 9 memory speed dialer. 12-15 VDC
Used 4 months includes original box, manual and Ps.

Asking $125.00 plus S/H
If interested contact
George n0eoq at
n0eoq@6mt.com or call
870-389-6516

```
From 4309631054911868249
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76566e07e0494ada,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,76566e07e0494ada,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1109af,76566e07e0494ada,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108122,76566e07e0494ada,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,76566e07e0494ada,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb049,76566e07e0494ada,start
X-Google-Attributes: gidfb049,public
From: "Ian F. Fritzsche" <abc@rose.net>
Subject: FS: ICOM 250A (HT)
Date: 1998/04/30
Message-ID: <35493D0D.2FCA@rose.net>#1/1
X-Deja-AN: 349207617
Content-Transfer-Encoding: 7bit
```

Mime-Version: 1.0
Reply-To: abc@rose.net
Content-Type: text/plain; charset=us-ascii
Organization: Rose Net
Newsgroups: rec.radio.swap,rec.radio.amateur.equipment,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc

For Sale:
Icom 250A HT
Battery was recently rebuilt by Mr. Nicad
Has Charger and Antenna
Asking $100
(Buyer pays shipping)

Please Reply via E-Mail (news replys will not be read):
ae4rz@juno.com
mailto:ae4rz@juno.com

(this is **NOT** my radio I am just posting this for a neighbor who doesn't have full internet access)

The radio belongs to:
Jim Hale
AE4RZ
ae4rz@juno.com
mailto:ae4rz@juno.com

I am:
Ian Fritzsche
KF4AON
abc@rose.net
mailto:abc@rose.net
http://home.rose.net/~abc/

From 778674281335615761б
X-Google-Language: Japanese,JIS
X-Google-Thread: 10c9e3,a7fa2e1a148aa771,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,a7fa2e1a148aa771,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 114aac,a7fa2e1a148aa771,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fc8b1,a7fa2e1a148aa771,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1031c8,a7fa2e1a148aa771,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,a7fa2e1a148aa771,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa029,a7fa2e1a148aa771,start
X-Google-Attributes: gidfa029,public

From: AKIO FUJIKAWA <fujikawa@nk.rim.or.jp>
Subject: Looking for CRF-320,CRF-1
Date: 1998/05/01
Message-ID: <3549CA26.E7F3E2DE@nk.rim.or.jp>#1/1
X-Deja-AN: 349315706
Content-Transfer-Encoding: 7bit
X-Priority: 3 (Normal)
Content-Type: text/plain; charset=iso-2022-jp
Organization: RIMNET
Mime-Version: 1.0
Reply-To: fujikawa@nk.rim.or.jp
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.swap,rec.radio.scanner,rec.radio.shortwave,rec.radio.swap

Looking for SONY radio CRF-1,CRF-320(330)
Please e-mail your information.

akio fujikawa
fujikawa@nk.rim.or.jp
RXQ01364@niftyserve.or.jp
$B!!(J

From 9170448301511468480
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,15f3be3aee8cd476
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,15f3be3aee8cd476
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,15f3be3aee8cd476
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,15f3be3aee8cd476
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc8b1,15f3be3aee8cd476
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 114a57,15f3be3aee8cd476
X-Google-Attributes: gid114a57,public
From: bry@mnsinc.com (Bry)
Subject: Re: HF Amp For Sale
Date: 1998/05/01
Message-ID: <354a28ad.2640337@news.mnsinc.com>#1/1
X-Deja-AN: 349419431
Content-Transfer-Encoding: 8bit
References: <3531FD38.7A73@thenetcat.com> <3532AA26.26F9@earthlink.net> <3532AEAD.1FB1@iland.net>
Mime-Version: 1.0
Reply-To: bry@mnsinc.com
Content-Type: TEXT/PLAIN; charset=ISO-8859-1
Organization: Verio Mid-Atlantic

Newsgroups: rec.ham-radio,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,alt.ham-radio.hf,alt.ham-radio.marketplace

My oh my!

law@earthlink.net (JB) wrote:

> Swan 1200W HF amp for sale.
> MINT condition.
> 110vac operation
> 80,40,20,15 and 10 meters

> $500

> e-mail starman@thenetcat.com

> "Understanding is a three edged sword,
> your side, their side, and the truth."
> - John Sheridan, Babylon 5

>>You are full of shit you have a $200 at the most amp

and then recently, JDM <jmul@iland.net> wrote:

>To a ham that is too much, but there are plenty of CB'ers that will
>gladly pay that for an amp that will match their Siltronix (Swan)
>1011's. You probably didn't think of that before you opened your trap
>did you?

Wow fellas, did we both forget our WHEATIES that day. huh?

From 6477879396638457501
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5eac964bd98f58f8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,5eac964bd98f58f8,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10ed5f,5eac964bd98f58f8,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fc8b1,5eac964bd98f58f8,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f76e2,5eac964bd98f58f8,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 11480d,5eac964bd98f58f8,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: 108778,5eac964bd98f58f8,start
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,5eac964bd98f58f8,start

```
X-Google-Attributes: gidfa656,public
From: no@spam.allowed
Subject: FS: 10 KW Generator
Date: 1998/05/06
Message-ID: <MPG.fba07f57b9ada68989703@news.wwa.com>#1/1
X-Deja-AN: 350743219
Organization: WorldWide Access - Midwestern Internet Services - www.wwa.com
Newsgroups: alt.ham-radio,alt.radio.amateur,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.dx,re
c.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc


10 Kw military surplus generator.  220/110 vac.  4-cyl gas engine.
Totally Self-contained.  Engine runs like a clock!  Gen set regulation
needs heavy load to flash the field coils but runs well otherwise.  Could
probably use a cleaning of the relay contacts.

Set is on an 'un-sprung' two wheel trailer which is ok for short distance
towing... would recommend it for a long trip...

Price $750 obo.  Will trade for small hf mobile.

Please e-mail responses

73's

--
Robert Lieberman
kg9us@automate.net



From 415689731854585296
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fc734,50e958fe6467009b,start
X-Google-Attributes: gidfc734,public
X-Google-Thread: 10c9e3,50e958fe6467009b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f7810,50e958fe6467009b,start
X-Google-Attributes: gidf7810,public
X-Google-Thread: f7796,50e958fe6467009b,start
X-Google-Attributes: gidf7796,public
X-Google-Thread: fa656,50e958fe6467009b,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,50e958fe6467009b,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: 11480d,50e958fe6467009b,start
X-Google-Attributes: gid11480d,public
From: dt@accessnow.com (Consultants)
Subject: Web Site = Resources, etc.
Date: 1998/05/10
Message-ID: <355524c4.69610357@news.halcyon.com>#1/1
X-Deja-AN: 351868731
```

```
Organization: AccessNow!
Reply-To: dt@accessnow.com
Newsgroups: alt.ham-radio.hf,alt.ham-radio.dxing,alt.ham-radio.morse,alt.ham-
radio.ssb,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx
```

Howdy, folks. I just launched an Amateur Radio website that is
focused on HF radio. It is at http://hfradio.org - come by and visit.
It is very new. Feedback is most welcomed - what is it you most want
on an HF Radio Amateur website?

Current features at http://hfradio.org include

+ Propagational data, forcasts, and related information.
+ Online discussion forums (Elmer, DX, and more coming)
+ AZ_PROJ server (under development to bring propagation overlays)
+ and more...

Please stop by http://hfradio.org

Thanks.

73 de N7PMS

(the address I am using is an anti-sp*m address. My true address can
be found at the site)

```
From -5776750715628001711
X-Google-Language: Japanese,JIS
X-Google-Thread: 10c9e3,9a88c89eb749c59f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,9a88c89eb749c59f,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fc8b1,9a88c89eb749c59f,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa029,9a88c89eb749c59f,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 114aac,9a88c89eb749c59f,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 1031c8,9a88c89eb749c59f,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,9a88c89eb749c59f,start
X-Google-Attributes: gidf76e2,public
From: AKIO FUJIKAWA <fujikawa@nk.rim.or.jp>
Subject: For sale: Yaesu FR-101DD RECIEVER
Date: 1998/05/10
Message-ID: <35558EF2.FFA103DD@nk.rim.or.jp>#1/1
X-Deja-AN: 352083124
Content-Transfer-Encoding: 7bit
X-Priority: 3 (Normal)
```

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Mime-Version: 1.0
Reply-To: fujikawa@nk.rim.or.jp
Content-Type: text/plain; charset=iso-2022-jp
Organization: RIMNET
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.swap,rec.radio.scanner,
rec.radio.shortwave,rec.radio.swap
```

It is FR-101SD+6M unit+2M unit+FM unit+FM detect unit+
Broadcast X'tal.(same FR-101DD).
Ja model.

It works. Cosmetics is very good.

I hope $600+shipping.

Best regards,
73
akio fujikawa
fujikawa@nk.rim.or.jp
$B!!(J

```
From 8383278956638915447
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,47a185bf7772722a,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,47a185bf7772722a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,47a185bf7772722a,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 101203,47a185bf7772722a,start
X-Google-Attributes: gid101203,public
X-Google-Thread: 1146d3,47a185bf7772722a,start
X-Google-Attributes: gid1146d3,public
X-Google-Thread: fa656,47a185bf7772722a,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,47a185bf7772722a,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,47a185bf7772722a,start
X-Google-Attributes: gidf76e2,public
From: "ka0nno" <ka0nno@cswnet.com>
Subject: For Sale: CELLWAVE 903- 915 AMPLIFIER
Date: 1998/05/13
Message-ID: <6jdc61$isc$1@news-in.anc.net>#1/1
X-Deja-AN: 353042626
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: Arkansas.Net (501) 375-0160
Newsgroups: alt.ham-radio.marketplace,fido.su.hamradio,fido7.hamradio,rec.ham-
radio,rec.ham-
```

radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap

For Sale:

CELLWAVE 903- 915 AMPLIFIER / 2ml watts in gets you 54 watts out at 903. It is 24 volts 8 amps required for power.

$75.00 plus shipping

If interested please contact George n0eoq at: n0eoq@6mt.com

or call at 870-389-6516

From -2443514512380793482
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,fa817c01888f8ad1,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,fa817c01888f8ad1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,fa817c01888f8ad1,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1146d3,fa817c01888f8ad1,start
X-Google-Attributes: gid1146d3,public
X-Google-Thread: fa656,fa817c01888f8ad1,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,fa817c01888f8ad1,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 101203,fa817c01888f8ad1,start
X-Google-Attributes: gid101203,public
X-Google-Thread: 11480d,fa817c01888f8ad1,start
X-Google-Attributes: gid11480d,public
From: "ka0nno" <ka0nno@cswnet.com>
Subject: Six Club Sprint this weekend
Date: 1998/05/14
Message-ID: <6jemma$u3p$1@news-in.anc.net>#1/1
X-Deja-AN: 353178533
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: Arkansas.Net (501) 375-0160
Newsgroups: alt.ham-radio.marketplace,fido.su.hamradio,fido7.hamradio,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap

SIX CLUB'S FIRST SPRINT
MAY 16th and 17th 1998
IN CONJUNCTION WITH ARRL 50MHZ SPRINT

The Six Club Sprint will be from 2300Z Saturday of the following week until
0300Z Sunday (May 16-17, 1998) .
THIS WILL BE THE FIRST AND ONLY SPRINT THAT WILL BE IN CONJUNCTION WITH ANY
OTHER SPRINT.
SPRINT RULES
The Six Club rules are simple, score one point for all qso contacts and the
grids are the multiplier. Explanation: If you have 10 qso's and 25 grids
your score would be total grids times total qso's. Other words 25 times 10.
ROVERS ARE WELCOME TO JOIN IN ON THE FUN. ROVER RULES ARE THE SAME AS THE
OLD STYLE ARRL.
HAVE FUN

For further information on forms and instructions to email your results
please go to:
http://6mt.com/contest.htm

Thank you.
73'S George and Lisa
     N0EOQ   KA0NNO
     001   002
SIX CLUB MEMBERS
http://6mt.com
six meters world wide

From 7577265868630617257
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,958fc924f5abc110,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,958fc924f5abc110,start
X-Google-Attributes: gid107ada,public
From: "Glenn J. Torres" <radioman@communique.net>
Subject: WTB:BIRD CARRYING CASE (CC-1)
Date: 1998/05/15
Message-ID: <01bd8045$c17c75e0$8c58cccf@default>#1/1
X-Deja-AN: 353628193
Organization: Verio Gulfsouth
Newsgroups: rec.ham-radio,rec.radio.amateur.misc

If you have one to sell please reply with delivered price and condition of
unit.
73, Glenn

From -6332210594913869207
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7cf43d92112cd45d,start

```
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,7cf43d92112cd45d,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1109af,7cf43d92112cd45d,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,7cf43d92112cd45d,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,7cf43d92112cd45d,start
X-Google-Attributes: gid1031c8,public
From: "REGIS7" <REGIS7@prodigy.net>
Subject: Motorola Instruction manuals for Mitrek and Consolette Base Radio
Date: 1998/05/17
Message-ID: <6jojoh$6g6e$1@newssvr04-int.news.prodigy.com>#1/1
X-Deja-AN: 354207152
X-Auth-User: 002042158/1c571ddf0be8a752
Mime-Version: 1.0
X-Post-Time: 18 May 1998 06:16:49 GMT
Content-Type: multipart/alternative; boundary="----
=_NextPart_000_0014_01BD81E1.634DA6E0"
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
Organization: Prodigy Services Corp
X-Problems-To: abuse@prodigy.com
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.swap,rec.radio.swap


This is a multi-part message in MIME format.

------=_NextPart_000_0014_01BD81E1.634DA6E0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

I have one Motorola Solid State CONSOLETTE Base Station Instruction =
manual for the 136-174 MHz radio. Part # 68P81018E45 Issue-C.

I have one Motorola Mitrek Instruction manual for the 406-420 MHz and =
450-512 MHz two-way FM radio.
Part # 68P81045E75-A=20




Consolette Manual can be bid on at: www.eBAY.com
 http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=3D14240467=20

While at eBay search for Item #14240095 for Mitrek Manual.=20

------=_NextPart_000_0014_01BD81E1.634DA6E0
Content-Type: text/html;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">
```

```
<HTML>
<HEAD>

<META content=3Dtext/html;charset=3Diso-8859-1 =
http-equiv=3DContent-Type>
<META content=3D'"MSHTML 4.71.2016.0"' name=3DGENERATOR>
</HEAD>
<BODY>
<DIV>I have one Motorola Solid State CONSOLETTE Base Station Instruction =
manual=20
for the 136-174 MHz radio. Part # 68P81018E45 Issue-C.</DIV>
<DIV><EM></EM>&nbsp;</DIV>
<DIV><FONT color=3D#000000><FONT size=3D3>I have one Motorola Mitrek =
Instruction=20
manual for the 406-420 MHz and 450-512 MHz two-way FM =
radio.</FONT></FONT><FONT=20
size=3D3></FONT>&nbsp;</DIV>
<DIV><EM></EM><FONT color=3D#000000 face=3D"" size=3D3>Part # =
68P81045E75-A=20
</FONT></DIV>
<ADDRESS><FONT color=3D#000000 face=3DArial =
size=3D3><BR></FONT>&nbsp;</ADDRESS>
<ADDRESS><FONT color=3D#000000 face=3DArial size=3D3>
<DIV>Consolette Manual can be bid on at: <A=20
href=3D"http://www.eBAY.com">www.eBAY.com</A></DIV>
<DIV>&nbsp;<A=20
href=3D"http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=3D14240467=
">http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&amp;item=3D14240467</=
A><FONT=20
color=3D#000000 face=3DArial size=3D3></FONT>&nbsp;&nbsp;</DIV>
<DIV>&nbsp;</DIV>
<DIV>While at eBay search for Item #14240095 for Mitrek Manual.=20
</DIV></FONT></ADDRESS></BODY></HTML>

------=_NextPart_000_0014_01BD81E1.634DA6E0--
```

```
From -1150123608137861140
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,f600dc87d80c6de6,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,f600dc87d80c6de6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,f600dc87d80c6de6,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10e901,f600dc87d80c6de6,start
X-Google-Attributes: gid10e901,public
X-Google-Thread: 105d97,f600dc87d80c6de6,start
X-Google-Attributes: gid105d97,public
From: orville@weyrich.com (Orville R. Weyrich, Jr.)
Subject: Book Review: ARRL Handbook for Radio Amateurs, 1998
```

Date: 1998/05/18
Message-ID: <19980518002639.0-orville@weyrich.com>#1/1
X-Deja-AN: 354217450
X-Vnews: $Revision: 1.12 $Date: 1997/06/10 06:44:31 $
Reply-To: orville@weyrich.com
X-Posted-From: Weyrich Computer Consulting $Id: post_news.cc,v 1.4 1996/06/24 02:02:37 orville Exp orville $
Organization: Weyrich Computer Consulting
Newsgroups: misc.survivalism,alt.ham-radio.marketplace,rec.ham-radio,rec.radio.amateur,sci.electronics

TITLE: ARRL Handbook for Radio Amateurs, 1998: 75th Anniversary Edition
ABSTRACT: The best compendium of radio communications technology
that I have found in over 25 years.

Full review is at:

http://www.weyrich.com/book_reviews/arrl_handbook.html

I am open to suggestions of other books which I might review.

```
------------------------------------------------------------------
Orville R. Weyrich, Jr.                 Weyrich Computer Consulting
mailto:orville@weyrich.com                   http://www.weyrich.com

Visit our book reviews web site:

           http://www.weyrich.com/book_reviews/

------------------------------------------------------------------
```

From 7399162795028139761
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,99ca18824524b61a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,99ca18824524b61a,start
X-Google-Attributes: gid107ada,public
From: "Glenn J. Torres" <radioman@communique.net>
Subject: NYC TAXIS ABANDON 10M
Date: 1998/05/18
Message-ID: <01bd827e$278bb780$ab58cccf@default>#1/1
X-Deja-AN: 354349837
Newsgroups: rec.radio.amateur.misc,rec.ham-radio
Organization: Communique Inc.

See QST June 1998 issue pages 66 and 67 for details.Action is finally taken!

From -8718171659557269334
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bd8b78363b64e596,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,bd8b78363b64e596,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,bd8b78363b64e596,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,bd8b78363b64e596,start
X-Google-Attributes: gid1109af,public
From: "Glenn J. Torres" <radioman@communique.net>
Subject: WTB: BIRD CARRYING CASE (CC-1)
Date: 1998/05/19
Message-ID: <01bd835b$f9768a80$a658cccf@default>#1/1
X-Deja-AN: 354715738
Organization: Verio Gulfsouth
Newsgroups: rec.radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.ham-radio

I am looking for a CC-1 carrying case for the Bird 43 wattmeter. Please reply with delivered price and condition of unit.
73 es tnx,
Glenn

From -1531570495244898464
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,205ef83eb48ff0de,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,205ef83eb48ff0de,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc8b1,205ef83eb48ff0de,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 112acb,205ef83eb48ff0de,start
X-Google-Attributes: gid112acb,public
From: W8EK@my-dejanews.com
Subject: FS: Communications and Electronics books
Date: 1998/05/21
Message-ID: <6k1krl$gcn$1@nnrp1.dejanews.com>#1/1
X-Deja-AN: 355263296
X-Http-User-Agent: Mozilla/3.01C-KIT (Win16; I)
Organization: Deja News - The Leader in Internet Discussion
X-Article-Creation-Date: Thu May 21 16:30:43 1998 GMT
Newsgroups: rec.radio.amateur.boatanchors,rec.ham-radio,alt.marketplace.books,alt.ham-radio.marketplace

I have the following books (all in excellent to new condition) available:

Practical Electronics Troubleshooting by Perozzo
Good information on troubleshooting all sorts of electrical

and electronic devices $ 15

Understanding Data Communications by Friend
The title says it all! $ 15

Understanding Communications Systems by Cannon
This one covers all sorts of communication systems -- not
just the data communications like the one above. $ 15

An Introduction to Fiber Optics by Shotwell
Not in great depth, but an easy to understand book $ 15

Introduction to Electronics and Electronic Shop Practices
by Worden - Mainly a "Shop Techniques" book, with lots
of reference charts, etc., but some theory included $ 18

Digital Electronics by Uffenbeck - Technician Level text
Covers from number systems to shift registers to Programmable
devices to interfacing $ 25

Electricity - Principles and Applications by Fowler
Part of McGraw Hill's "Basic Skills in Electricity and Electronics"
group of texts. Mainly theory, in easy to understand
explanations. $ 20

Electrical Measurements by Smith & Wiedenbeck
Classical measurements book - Engineer level $ 15

Principles of Electronic Communications by Mandl
Includes modulation, amplifiers, noise, transmission lines,
antennas, etc. $ 18

I also have Boy Scout books:

Exploring Handbook - 1958 - close to new condition $ 20

Handbook for Patrol Leaders - 1950 copyright - 1959 printing $ 18

1986 American Red Cross "Expect the Unexpected" $ 2

If you would like more information about any book, please e-mail to W8EK@usa.net. All books are in good shape.

Prices do not include shipping from NE Ohio.

Ken Simpson
E-Mail to W8EK@usa.net or KenMar.Ind@Juno.com
Voice phone (330) 499-7388

-----== Posted via Deja News, The Leader in Internet Discussion ==-----

http://www.dejanews.com/   Now offering spam-free web-based newsreading

From -6712140969266494943
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,ad6ae69b8a18407f,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,ad6ae69b8a18407f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 112acb,ad6ae69b8a18407f,start
X-Google-Attributes: gid112acb,public
X-Google-Thread: 1109af,ad6ae69b8a18407f,start
X-Google-Attributes: gid1109af,public
From: W8EK@usa.net
Subject: FS: Electronic Data books
Date: 1998/05/21
Message-ID: <6k1lrk$hqf$1@nnrp1.dejanews.com>#1/1
X-Deja-AN: 355263309
X-Http-User-Agent: Mozilla/3.01C-KIT (Win16; I)
Organization: Deja News - The Leader in Internet Discussion
X-Article-Creation-Date: Thu May 21 16:47:48 1998 GMT
Newsgroups: alt.marketplace.books,alt.ham-radio.marketplace,rec.ham-radio,rec.radio.swap

I have the following available:

1987 Samsung High Performance CMOS logic $ 2

1995 Logic Devices Static Random Access Memory $ 2

1996 Raychem Circuit Protection Databook $ 2

Texas Instruments Data Books - $ 2 each

1995 Op amps and comparators - Book A
1995 " " " " Book B
1995 Intelligent Optosensors $ 1

1996 Power Supply Circuits
1996 Low Voltage Logic
1996 High Performance FIFO Memory - Data
1996 " " " " - Design
1996 AHC / AHCT Logic
1996 Wireless and Telecommunications Products
1996 PCM codec / filter combo family $ 1

1997 Design consideration for logic products - application
1997 AHC / AHCT Logic

Andrews (Coax Cable, etc) Catalogs $ 4 each
1978 Catalog 30
1985 Catalog 32
1986 Catalog 33
1991 Catalog 35
1988 Coax Cable $ 2

Prices do not include shipping from NE Ohio.

Ken Simpson
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http://www.dejanews.com/   Now offering spam-free web-based newsreading

From 8330286519776069082
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,39d22aa8d8078cd8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,39d22aa8d8078cd8,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: fddbf,39d22aa8d8078cd8,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 11480d,39d22aa8d8078cd8,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,39d22aa8d8078cd8,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc8b1,39d22aa8d8078cd8,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fc2a5,39d22aa8d8078cd8,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f76e2,39d22aa8d8078cd8,start
X-Google-Attributes: gidf76e2,public
From: billieweenie@hotmail.com (J. Wiesenmeyer)
Subject: SOFTWARE FRAUD ALERT
Date: 1998/05/22
Message-ID: <billieweenie-2205980032560001@modem1-00.mo-net.com>
X-Deja-AN: 355463986
Organization: n/a
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.homebrew,rec.ham-radio.swap,rec.ham-radio.packet,rec.radio.amateur.boatanchors,rec.radio.amateur.dx,alabama.birmingham.radio.amateur

Attention Fellow Computer Enthusiast:

***** COMPUTER SOFTWARE FRAUD ALERT *****

%%%%%%%%%% COREL SOFTWARE EXPOSED %%%%%%%%%%

HERE�S A TIP TO HELP YOU AVOID SOME FUTURE GRIEF (AND SAVE SOME OF YOUR HARD EARNED MONEY)

PC World Magazine, in their February issue made reference to a particular software title as

�THE SOFTWARE FROM HELL�.

I�ve never used the product they were referring to, so I can�t comment about it.

Nevertheless, if PC World had been talking about software from

COREL CORPORATION (Word Perfect, etc), it would have been MOST APPROPRIATE.

COREL SOFTWARE PRODUCTS, IN ALL THEIR FORMS, TRULY DESERVE THE TITLE

****** SOFTWARE FROM HELL ******

because they are buggy (and dysfunctional) beyond belief. Corel products make Microsoft look like the knight in shinning armor, even including Windoze 95.

YOU CAN�T READ INFO LIKE THIS IN THE COMPUTER MAGAZINES BECAUSE COREL SPENDS FAR TOO MUCH MONEY VIA ADVERTISING REVENUE WITH ALL THE COMPUTER PUBLICATIONS, AND THEY DON�T DARE EXPOSE ONE OF THEIR BIGGEST ADVERTISERS, FOR REASONS WHICH SHOULD BE OBVIOUS. THEREFORE, WE CAN ONLY HOPE TO PASS THE WORD VIA NEWS GROUPS AND SIMILAR OUTLETS.

Corel Corporation, a Canadian firm, based in Ottawa, Ontario, has zero regard and zero respect for their customers, and is probably the best example of why Ziff Davis (publishers of dozens of computer magazines, both on the PC and Mac platforms), are now calling for a mandatory (and legally binding) 30, 60 or 90 day software money back guarantee.

Using data from Corel�s own website, the following is more than sufficient proof to demonstrate the dysfunctional character of Corel�s Word Perfect product:

THE FOLLOWING BUG LIST IS TAKEN FROM COREL�S WORLD WIDE WEBSITE:

ftp://ftp.corel.com/pub/WordPerfect/wpmac/-WPMac ftp Index.html

(scroll way down, almost to the bottom)

What follows is the list of bug fixes initiated by Corel in an attempt to repair their cockroach infested product known as Word Perfect, version 3.5, which can easily be construed as a clear admission of bugs which existed with version 3.5 as shipped to customers on CD ROM. What makes this issue all the more criminal is the fact that Corel refused to inform customers who sent in their warranty registration cards that bug fixes had been released for this product. Corel Corporation refused to send warranty/registered customers the patches on floppy disk, and if this was too expensive, Corel Corporation even refused to send registered customers a postcard informing their customers where they could find the patches on the Internet. Customers were simply left to struggle with a totally dysfunctional product. And customers like myself who finally figured out Corel Word Perfect could NOT be made to function properly, and who first requested assistance, were ignored, and who later requested a refund, were also ignored.

TO THIS DAY, 17 MONTHS AFTER THE PURCHASE OF THE DYSFUNCTION AND COCKROACH INFESTED COREL WORD PERFECT PROGRAM, THIS COMPANY CONTINUES TO IGNORE ALL INTERNET E-MAIL MESSGES AND ALL UNITED STATES AND CANADIAN POSTAL SERVICES LETTERS.

Corel Document ID: 10339

The information in this document applies to:
WordPerfect 3.5 for Macintosh

This Updater works with all versions of Corel WordPerfect 3.5. Including: Novell WordPerfect 3.5, Corel WordPerfect 3.5.1, Corel WordPerfect 3.5.2 and Corel WordPerfect in the CorelDraw Suite.

The Corel WordPerfect 3.5.3 patch replaces all previous patches for WordPerfect 3.5, including the Corel WordPerfect 3.5.2 patch shipped in October of 1996.

Fixes in 3.5.3 patch

- Conversions should now function normally under System 7.6.
- A bug was fixed that repairs some display problems.

- Sporadic warnings that the common library could not be found will no longer occur.

Fixes in 3.5.2 patch
====================

- Text Selection now works properly.

- The Print Envelope feature will print addresses in the correct position on the LaserWriter 8.4 printer driver.

- Deleting to the right at the beginning of a line will no longer cause the cursor to reposition incorrectly in the text above.

- Deleting just before a Style no longer causes the cursor to reposition incorrectly and delete text within the Style.

- Editing a document in �Show Codes� no longer causes the cursor to reposition incorrectly.

- Headers/Footers with text attributes (bold, underline...) are no longer affected by text attributes that cross a page break.

- Deleting addresses in the Print Envelope delivery or return address window now functions properly.

- The German Dictionary no longer stops and marks incorrect every word that contains a � (esset).

- The French Dictionary on a Power Macintosh no longer stops and marks incorrect words that contain a � (acute).

- Delivery Point of a bar code is no longer automatically calculated.

- Import of tables from various document types has been improved.

- The title of the �WP6.x Export� now reads �WP6.x,7.x Export� in both the patched and resale CD product from Corel.

- HTML export now saves Corel WordPerfect graphics or .wpg formatted images as JPEG�s.

Fixes in 3.5.1 patch
=====================

- Editing some long blocks of Japanese characters will not crash the computer.

- Screen display is faster after scrolling through large documents or tables, or making editing changes.

- Captions can now be positioned above a graphic or text box.

- Return and delivery addresses in Print Envelope will now allow 255 characters (including line breaks).

- Dictionaries are now listed under the Dictionary menu instead of the Check menu.

- Ruler Bar display problems with PCI Power Macintosh computers have been fixed.

- WP 6.x and WP 7.x conversions can now be canceled.

- While working in subdocuments�such as headers or footnotes on black and white screens, Corel WordPerfect does not quit unexpectedly when clicking in the ruler area of the subdocument.

- Zip codes beginning with zero which did not have extended zip code digits now function properly in the Print Envelope feature.

- Font menus in Preferences and Print Envelopes now work properly on small monitors.

- Cleared tabs will no longer unexpectedly reappear on the ruler.

- Hyperlink copy and paste are now working.

- Cell Protection now disables the deletion of the contents of a cell.

- The bottom border of a table which crosses a page break is now visible.

- Patterns in a cell will no longer disappear when performing a Split or Join.

- Joining with the first cell of a table now functions properly.

- Row selection of tables in a text box is now available.

- Scroll bar does not stick when scrolling.

- Corel WordPerfect will use the Language Resource file designed for your system if present, or default to English (USA).

- Page Setup is now enabled in the Print Envelope feature (this allows the selection of paper sizes and envelope trays).

- Changing QuickCorrect preferences with no documents open will no longer crash the computer.

- Tables and Page Borders now work together.

- The PowerTalk Mailer can exceed 4096 characters.

- In the new Corel WordPerfect 3.5 CD-ROM, Norton Utilities will no longer report an error in the WordPerfect Installer Read Me. This fix is not available in the patch, but if you use Norton Utilities, we suggest you delete the WordPerfect Installer Read Me since it is not required for proper operation of the software.

- Corel WordPerfect Dictionaries and QuickCorrect word lists will no longer be replaced during installation.

==

Postscript:

The above represents the bug list for Word Perfect 3.5, as I purchased this product, these revelations coming directly from Corel�s website. Considering all these problems, it is little wonder that Ziff Davis Publishers are now suggesting we have a SOFTWARE LEMON LAW to protect computer consumers from future issues of this sort of software larceny.

If the reader will examine the websites of PC Week, PC World, and a few other leading PC-platform computer magazines, he will discover that Corel's Word Perfect, Suite 8 (the latest offering from Corel) is likewise full of bugs. Don't take my word for it--- check it out for yourself.

MORAL OF STORY::::

SAVE YOUR MONEY--- DO NOT BUY ANYTHING WITH ���COREL��� ON THE LABEL, WHETHER IT BE FOR IBM COMPATIBLES OR THE MACINTOSH !!!

From 4383347525803302100
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10aaeb,39d22aa8d8078cd8
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: fddbf,39d22aa8d8078cd8
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10c9e3,39d22aa8d8078cd8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,39d22aa8d8078cd8
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,39d22aa8d8078cd8
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc8b1,39d22aa8d8078cd8
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 11480d,39d22aa8d8078cd8
X-Google-Attributes: gid11480d,public
X-Google-Thread: fc2a5,39d22aa8d8078cd8
X-Google-Attributes: gidfc2a5,public
From: "Rich M." <right@home.com>
Subject: Re: SOFTWARE FRAUD ALERT

Date: 1998/05/23
Message-ID: <PqC91.90$wk2.236476@news.randori.com>#1/1
X-Deja-AN: 355860212
References: <billieweenie-2205980032560001@modem1-00.mo-net.com>
NNTP-Posting-Date: Sat, 23 May 1998 09:02:55 PDT
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.homebrew,rec.ham-radio.swap,rec.ham-radio.packet,rec.radio.amateur.boatanchors,rec.radio.amateur.dx,alabama.birmingham.radio.amateur

Not sure What this has to do with the subjects of any of the ng's that you posted it to but, as for me, I have been using Corel Word Perfect Suite 7 for 2 years now and am very satisfied.

73   Dick   N7JPO

J. Wiesenmeyer wrote in message ...
>Attention Fellow Computer Enthusiast:
>
>
>***** COMPUTER SOFTWARE FRAUD ALERT *****
>
>%%%%%%%%%% COREL SOFTWARE EXPOSED %%%%%%%%%%

From 6712773117873197371
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10aaeb,39d22aa8d8078cd8
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 10c9e3,39d22aa8d8078cd8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,39d22aa8d8078cd8
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fc8b1,39d22aa8d8078cd8
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f76e2,39d22aa8d8078cd8
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc2a5,39d22aa8d8078cd8
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 11480d,39d22aa8d8078cd8
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,39d22aa8d8078cd8
X-Google-Attributes: gidfa656,public
From: "kf4mqf" <x_mlussier@erols.com>
Subject: Re: SOFTWARE FRAUD ALERT
Date: 1998/05/23

Message-ID: <6k7quu$bof$1@winter.news.erols.com>
X-Deja-AN: 355954738
References: <billieweenie-2205980032560001@modem1-00.mo-net.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
X-Complaints-To: abuse@erols.com
X-Trace: winter.news.erols.com 895971102 12047 207.172.110.194 (24 May 1998 00:51:42 GMT)
Organization: Erol's Internet Services
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.homebrew,rec.ham-radio.swap,rec.ham-radio.packet,rec.radio.amateur.boatanchors,rec.radio.amateur.dx,alabama.birmingham.radio.amateur

Any Moron stupid enough to own a Mac , should get software that sucks , It your own stupidity to even go out and buy such a machine most software manufacturers are pulling away from Mac because they are a dying machine.
get a life and buy a real computer !!!

Just a note about problems with IBM machines . Corel does work on them !!!
there maybe bugs in it but I haven't found any yet and I use it every day
ver 5 , 6, 7, and 8.0

Before you shout FRAUD THINK ABOUT SLANDER SUITS THAT CAN ARRISE AGAINST YOU !!!

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>Nevertheless, if PC World had been talking about software from
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>****** SOFTWARE FROM HELL ******
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>
>because they are buggy (and dysfunctional) beyond belief. Corel products
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>SPENDS FAR TOO MUCH MONEY VIA ADVERTISING REVENUE WITH ALL THE COMPUTER
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>
>
>
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>===
>
>ftp://ftp.corel.com/pub/WordPerfect/wpmac/-WPMac ftp Index.html
>
>   (scroll way down, almost to the bottom)
>
>
>What follows is the list of bug fixes initiated by Corel in an attempt to
>repair their cockroach infested product known as Word Perfect, version
>3.5, which can easily be construed as a clear admission of bugs which
>existed with version 3.5 as shipped to customers on CD ROM. What makes
>this issue all the more criminal is the fact that Corel refused to inform
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>
>
>===
>
>
>Corel Document ID: 10339
>
>
>The information in this document applies to:
>WordPerfect 3.5 for Macintosh
>
>This Updater works with all versions of Corel WordPerfect 3.5. Including:
>Novell WordPerfect 3.5, Corel WordPerfect 3.5.1, Corel WordPerfect 3.5.2
>and Corel WordPerfect in the CorelDraw Suite.
>
>The Corel WordPerfect 3.5.3 patch replaces all previous patches for
>WordPerfect 3.5, including the Corel WordPerfect 3.5.2 patch shipped in
>October of 1996.
>
>
>Fixes in 3.5.3 patch
>======================
>
>- Conversions should now function normally under System 7.6.
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>
>
>- Text Selection now works properly.
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>- The Print Envelope feature will print addresses in the correct position
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>
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>
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>
>-   Delivery Point of a bar code is no longer automatically calculated.
>
>-   Import of tables from various document types has been improved.
>
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>the patched and resale CD product from Corel.
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>
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>
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```

>
>- Hyperlink copy and paste are now working.
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>
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>- Scroll bar does not stick when scrolling.
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>
>- Page Setup is now enabled in the Print Envelope feature (this allows
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>
>- Changing QuickCorrect preferences with no documents open will no longer
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>
>- The PowerTalk Mailer can exceed 4096 characters.
>
>- In the new Corel WordPerfect 3.5 CD-ROM, Norton Utilities will no
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>you delete the WordPerfect Installer Read Me since it is not required for
>proper operation of the software.
>
>- Corel WordPerfect Dictionaries and QuickCorrect word lists will no
>longer be replaced during installation.
>
>===
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>Postscript:
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>The above represents the bug list for Word Perfect 3.5, as I purchased
>this product, these revelations coming directly from Corel�s website.
>Considering all these problems, it is little wonder that Ziff Davis
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```
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```

```
From 1943147580426538826
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1e7e8ed48b48fda3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fd5d6,1e7e8ed48b48fda3,start
X-Google-Attributes: gidfd5d6,public
X-Google-Thread: 1009ad,1e7e8ed48b48fda3,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 16cc7c,1e7e8ed48b48fda3,start
X-Google-Attributes: gid16cc7c,public
X-Google-Thread: f76e2,1e7e8ed48b48fda3,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10ed5f,1e7e8ed48b48fda3,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 10d67c,1e7e8ed48b48fda3,start
X-Google-Attributes: gid10d67c,public
X-Google-Thread: fb049,1e7e8ed48b48fda3,start
X-Google-Attributes: gidfb049,public
From: "Randy Schumann" <aCey@earthling.net>
Subject: ***** FS:  HTX-202 2 Meter Ham Radio - Still Avail. *****
Date: 1998/05/25
Message-ID: <6kc95m$a29$1@news12.ispnews.com>#1/1
X-Deja-AN: 356382409
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3
X-Trace: news12.ispnews.com 896116726 10313 204.49.54.217 (25 May 1998 17:18:46
GMT)
Organization: ISPNews http://ispnews.com
NNTP-Posting-Date: 25 May 1998 17:18:46 GMT
Newsgroups: alt.ham-radio,alt.ham-radio.amtor.marketplace,alt.ham-radio.vhf-
uhf,alt.radio.scanner,aus.radio.scanner,phl.scanner,rec.ham-radio,rec.ham-
radio.swap,rec.radio.scanner
```

STILL AVAILABLE!

Radio Shack HTX-202 2 Meter Amateur VHF*FM Transceiver
$150 obo

This is in the original box with everything that originally came with it:
antenna, charger, ni-cad batt. pack, alkaline batt. case, and manual

Bought brand new at the $199.99 price a few months ago. Only fiddled with it a couple times to see how it operates. Have studied for most of the test, but too busy with work to have much time to finish and get the license.

This radio is extremely close to brand new. No physical blemishes whatsoever. Please email if interested. May also consider trades for other radios.

Randy
Fort Walton Beach, Fl

From 5822885059389235031
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,c1cf09b70fcf8cc2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,c1cf09b70fcf8cc2,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10aaeb,c1cf09b70fcf8cc2,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: fc8b1,c1cf09b70fcf8cc2,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa656,c1cf09b70fcf8cc2,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,c1cf09b70fcf8cc2,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: fc2a5,c1cf09b70fcf8cc2,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f76e2,c1cf09b70fcf8cc2,start
X-Google-Attributes: gidf76e2,public
From: billieweenie@hotmail.com (J. Wiesenmeyer)
Subject: SOFTWARE FROM HELL: "COREL, INC."
Date: 1998/05/26
Message-ID: <billieweenie-2605980741530001@modem1-18.mo-net.com>
X-Deja-AN: 356616083
Organization: NX0T Radio
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.homebrew,rec.ham-radio.swap,rec.ham-radio.packet,rec.radio.amateur.boatanchors,rec.radio.amateur.dx,alabama.birmingham.radio.amateur

Attention Fellow Computer Enthusiast:

***** COMPUTER SOFTWARE FRAUD ALERT *****

%%%%%%%%%% COREL SOFTWARE EXPOSED %%%%%%%%%%

HERE�S A TIP TO HELP YOU AVOID SOME FUTURE GRIEF (AND SAVE SOME OF YOUR HARD EARNED MONEY)

PC World Magazine, in their February issue made reference to a particular software title as

�THE SOFTWARE FROM HELL�.

I�ve never used the product they were referring to, so I can�t comment about it.

Nevertheless, if PC World had been talking about software from

COREL CORPORATION (Word Perfect, etc), it would have been MOST APPROPRIATE.

COREL SOFTWARE PRODUCTS, IN ALL THEIR FORMS, TRULY DESERVE THE TITLE

****** SOFTWARE FROM HELL ******

because they are buggy (and dysfunctional) beyond belief. Corel products make Microsoft look like the knight in shinning armor, even including Windoze 95.

YOU CAN�T READ INFO LIKE THIS IN THE COMPUTER MAGAZINES BECAUSE COREL SPENDS FAR TOO MUCH MONEY VIA ADVERTISING REVENUE WITH ALL THE COMPUTER PUBLICATIONS, AND THEY DON�T DARE EXPOSE ONE OF THEIR BIGGEST ADVERTISERS, FOR REASONS WHICH SHOULD BE OBVIOUS. THEREFORE, WE CAN ONLY HOPE TO PASS THE WORD VIA NEWS GROUPS AND SIMILAR OUTLETS.

Corel Corporation, a Canadian firm, based in Ottawa, Ontario, has zero regard and zero respect for their customers, and is probably the best example of why Ziff Davis (publishers of dozens of computer magazines, both on the PC and Mac platforms), are now calling for a mandatory (and legally binding) 30, 60 or 90 day software money back guarantee.

Using data from Corel�s own website, the following is more than sufficient proof to demonstrate the dysfunctional character of Corel�s Word Perfect product:

THE FOLLOWING BUG LIST IS TAKEN FROM COREL�S WORLD WIDE WEBSITE:
==

ftp://ftp.corel.com/pub/WordPerfect/wpmac/-WPMac ftp Index.html

(scroll way down, almost to the bottom)

What follows is the list of bug fixes initiated by Corel in an attempt to repair their cockroach infested product known as Word Perfect, version

3.5, which can easily be construed as a clear admission of bugs which existed with version 3.5 as shipped to customers on CD ROM. What makes this issue all the more criminal is the fact that Corel refused to inform customers who sent in their warranty registration cards that bug fixes had been released for this product. Corel Corporation refused to send warranty/registered customers the patches on floppy disk, and if this was too expensive, Corel Corporation even refused to send registered customers a postcard informing their customers where they could find the patches on the Internet. Customers were simply left to struggle with a totally dysfunctional product. And customers like myself who finally figured out Corel Word Perfect could NOT be made to function properly, and who first requested assistance, were ignored, and who later requested a refund, were also ignored.

TO THIS DAY, 17 MONTHS AFTER THE PURCHASE OF THE DYSFUNCTION AND COCKROACH INFESTED COREL WORD PERFECT PROGRAM, THIS COMPANY CONTINUES TO IGNORE ALL INTERNET E-MAIL MESSGES AND ALL UNITED STATES AND CANADIAN POSTAL SERVICES LETTERS.

==

Corel Document ID: 10339

The information in this document applies to:
WordPerfect 3.5 for Macintosh

This Updater works with all versions of Corel WordPerfect 3.5. Including: Novell WordPerfect 3.5, Corel WordPerfect 3.5.1, Corel WordPerfect 3.5.2 and Corel WordPerfect in the CorelDraw Suite.

The Corel WordPerfect 3.5.3 patch replaces all previous patches for WordPerfect 3.5, including the Corel WordPerfect 3.5.2 patch shipped in October of 1996.

Fixes in 3.5.3 patch
======================

- Conversions should now function normally under System 7.6.
- A bug was fixed that repairs some display problems.
- Sporadic warnings that the common library could not be found will no longer occur.

Fixes in 3.5.2 patch
=====================

- Text Selection now works properly.

- The Print Envelope feature will print addresses in the correct position on the LaserWriter 8.4 printer driver.

- Deleting to the right at the beginning of a line will no longer cause the cursor to reposition incorrectly in the text above.

- Deleting just before a Style no longer causes the cursor to reposition incorrectly and delete text within the Style.

- Editing a document in �Show Codes� no longer causes the cursor to reposition incorrectly.

- Headers/Footers with text attributes (bold, underline...) are no longer affected by text attributes that cross a page break.

- Deleting addresses in the Print Envelope delivery or return address window now functions properly.

- The German Dictionary no longer stops and marks incorrect every word that contains a � (esset).

- The French Dictionary on a Power Macintosh no longer stops and marks incorrect words that contain a � (acute).

- Delivery Point of a bar code is no longer automatically calculated.

- Import of tables from various document types has been improved.

- The title of the �WP6.x Export� now reads �WP6.x,7.x Export� in both the patched and resale CD product from Corel.

- HTML export now saves Corel WordPerfect graphics or .wpg formatted images as JPEG�s.

Fixes in 3.5.1 patch

- Editing some long blocks of Japanese characters will not crash the computer.

- Screen display is faster after scrolling through large documents or tables, or making editing changes.

- Captions can now be positioned above a graphic or text box.

- Return and delivery addresses in Print Envelope will now allow 255 characters (including line breaks).

- Dictionaries are now listed under the Dictionary menu instead of the Check menu.

- Ruler Bar display problems with PCI Power Macintosh computers have been fixed.

- WP 6.x and WP 7.x conversions can now be canceled.

- While working in subdocuments�such as headers or footnotes on black and white screens, Corel WordPerfect does not quit unexpectedly when clicking in the ruler area of the subdocument.

- Zip codes beginning with zero which did not have extended zip code digits now function properly in the Print Envelope feature.

- Font menus in Preferences and Print Envelopes now work properly on small monitors.

- Cleared tabs will no longer unexpectedly reappear on the ruler.

- Hyperlink copy and paste are now working.

- Cell Protection now disables the deletion of the contents of a cell.

- The bottom border of a table which crosses a page break is now visible.

- Patterns in a cell will no longer disappear when performing a Split or Join.

- Joining with the first cell of a table now functions properly.

- Row selection of tables in a text box is now available.

- Scroll bar does not stick when scrolling.

- Corel WordPerfect will use the Language Resource file designed for your system if present, or default to English (USA).

- Page Setup is now enabled in the Print Envelope feature (this allows the selection of paper sizes and envelope trays).

- Changing QuickCorrect preferences with no documents open will no longer crash the computer.

- Tables and Page Borders now work together.

- The PowerTalk Mailer can exceed 4096 characters.

- In the new Corel WordPerfect 3.5 CD-ROM, Norton Utilities will no longer report an error in the WordPerfect Installer Read Me. This fix is not available in the patch, but if you use Norton Utilities, we suggest you delete the WordPerfect Installer Read Me since it is not required for proper operation of the software.

- Corel WordPerfect Dictionaries and QuickCorrect word lists will no longer be replaced during installation.

==

Postscript:

The above represents the bug list for Word Perfect 3.5, as I purchased this product, these revelations coming directly from Corel�s website. Considering all these problems, it is little wonder that Ziff Davis Publishers are now suggesting we have a SOFTWARE LEMON LAW to protect computer consumers from future issues of this sort of software larceny.

If the reader will examine the websites of PC Week, PC World, and a few other leading PC-platform computer magazines, he will discover that Corel's Word Perfect, Suite 8 (the latest offering from Corel) is likewise full of bugs. Don't take my word for it--- check it out for yourself.

MORAL OF STORY::::

SAVE YOUR MONEY--- DO NOT BUY ANYTHING WITH ���COREL��� ON THE LABEL, WHETHER IT BE FOR IBM COMPATIBLES OR THE MACINTOSH !!!

From -6438362910275815550
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10aaeb,c1cf09b70fcf8cc2
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 10c9e3,c1cf09b70fcf8cc2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,c1cf09b70fcf8cc2
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,c1cf09b70fcf8cc2
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 11480d,c1cf09b70fcf8cc2
X-Google-Attributes: gid11480d,public
X-Google-Thread: fc8b1,c1cf09b70fcf8cc2
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa656,c1cf09b70fcf8cc2
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,c1cf09b70fcf8cc2
X-Google-Attributes: gidfc2a5,public
From: "Mark D. Harnetiaux" <mdharnetiaux@csupomona.edu>
Subject: Re: SOFTWARE FROM HELL: "COREL, INC."
Date: 1998/05/26
Message-ID: <356B260E.507E84AC@csupomona.edu>
X-Deja-AN: 356740403
Content-Transfer-Encoding: 8bit
References: <billieweenie-2605980741530001@modem1-18.mo-net.com>
Mime-Version: 1.0
To: "J. Wiesenmeyer" <billieweenie@hotmail.com>
Content-Type: text/plain; charset=iso-8859-1
Organization: California State Polytechnic University Pomona

Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.homebrew,rec.ham-radio.swap,rec.ham-radio.packet,rec.radio.amateur.boatanchors,rec.radio.amateur.dx,alabama.birmingham.radio.amateur

BY YOUR ADMISSION: You've never used the software. WHY WOULD YOU SEND SUCH A PROCLAMATION. I use the software and have had NO PROBLEMS.

Get a life and quit defaming people and companies you have no experience writing about.

Mark N6WBC

AND STOP POSTING ON THE HAM NG'S.

J. Wiesenmeyer wrote:
>
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>
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> %%%%%%%%%% COREL SOFTWARE EXPOSED %%%%%%%%%%
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>   (scroll way down, almost to the bottom)
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From -1769578325121440713
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,880246b2a4a0c80d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,880246b2a4a0c80d,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,880246b2a4a0c80d,start
X-Google-Attributes: gid107ada,public
From: "Glenn J. Torres" <radioman@communique.net>
Subject: MFJ4035MV USER OPINIONS??
Date: 1998/05/26
Message-ID: <01bd88e3$7b972a60$9c58cccf@default>#1/1
X-Deja-AN: 356740404
Organization: Verio Gulfsouth
Newsgroups: rec.ham-radio,rec.radio.amateur.misc,rec.radio.amateur.equipment

I am considering the purchase of this power supply.I would appreciate any
opinions, pro or con, on this power supply.

Thanks,
Glenn

From 2576960711103801464
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c1cf09b70fcf8cc2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,c1cf09b70fcf8cc2
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: fa656,c1cf09b70fcf8cc2
X-Google-Attributes: gidfa656,public
X-Google-Thread: fddbf,c1cf09b70fcf8cc2
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fc2a5,c1cf09b70fcf8cc2
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 11480d,c1cf09b70fcf8cc2
X-Google-Attributes: gid11480d,public
X-Google-Thread: f76e2,c1cf09b70fcf8cc2
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc8b1,c1cf09b70fcf8cc2
X-Google-Attributes: gidfc8b1,public
From: cgoin@ime.net
Subject: Re: SOFTWARE FROM HELL: "COREL, INC."
Date: 1998/05/27
Message-ID: <6kfvdh$8lv$2@news.harvard.net>#1/1
X-Deja-AN: 356840648
Content-Transfer-Encoding: 7bit
References: <billieweenie-2605980741530001@modem1-18.mo-net.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Organization: Internet Maine/HarvardNet
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.homebrew,rec.ham-radio.swap,rec.ham-radio.packet,rec.radio.amateur.boatanchors,rec.radio.amateur.dx,alabama.birmingham.radio.amateur

What a silly rant, buttressed by the PC (politically correct) Ziff-Davis marketing machine.

If you are going to use a Mac, why not make asute choices regarding what applications function well on it? Many do the WP job emminently on a Mac.

I've been using WPWIN 6.0 & 6.1 for a long time in pers & biz, done all manner of DTP with it, selling several millions in R/E with its ease of producing excellent flyers & brochures beyond the far more costly R/E software. It is a powerhouse product that has more OPERABLE features than anyone can learn in four years (or needs). Support has always been shitty - and it is everywhere unless it's at $24.99 per call - and Micro$loth is surely no better; even their website knowledge base is inferior to their old BBS.

The only beef I've had with WP it it's gargantuan size and resource-hogging - but look at MS Word, a big dog if there ever was one, woth far less to offer (I run it as well - as little as possible).

You'd think someone into the hands-on & tech know-how to mess with BA's would be away from the dumbed-down Mac & Windoze OS's, and into unix, with which you actually control your own box (and have to know something).

Boy, this submitter REALLY helped me fix boatanchors, yes?

```
From 6383840292787004440
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,8ba0ab734db2eeee,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,8ba0ab734db2eeee,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,8ba0ab734db2eeee,start
X-Google-Attributes: gidfc2a5,public
From: "Mark D. Harnetiaux" <mdharnetiaux@csupomona.edu>
Subject: Re: SOFTWARE FROM HELL:
Date: 1998/05/28
Message-ID: <356DCA84.6FFAB7BE@csupomona.edu>#1/1
X-Deja-AN: 357415268
Content-Transfer-Encoding: 8bit
References: <19980528175855.20913.qmail@hotmail.com>
To: kula gorilla <billieweenie@hotmail.com>
Content-Type: text/plain; charset=iso-8859-1
Organization: California State Polytechnic University Pomona
Mime-Version: 1.0
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.homebrew
```

Interesting. You accuse and you name the Bill of Rights. I suspect that you haven't heard the Court's decision that the First Amendment does NOT include the right to slander and defame. That, sir, is what you are doing. By your own post, you admit that you do have experience with the software.

My sympathies to the others you flame and revel against. My free speech rights to make a post and an e-mail based on facts is apparently the target of your hate mail. By name calling and insinuation you reveal your true meaning and intention.

kula gorilla wrote:

> >
> >BY YOUR ADMISSION: You've never used the software. WHY WOULD YOU SEND
> >SUCH A PROCLAMATION. I use the software and have had NO PROBLEMS.
> >
> >Get a life and quit defaming people and companies you have no experie=
> >nce
> >writing about.
> >
> >
> >Mark N6WBC
> >
> >AND STOP POSTING ON THE HAM NG'S.
>
> ===================
> =============
>
> Sir:
>
> You�re wasting your time sending messages here like you have.
>
> It is obvious you have the mentality of Chairman Mao, Josef Stalin or
> Adolf Hitler.
>
> You wish to {{{ CONTORL EVERYONES THINKING }}}. **** YOU *** are going
> to be the one to decide what others can say, RIGHT?????????????????
>
> YOU will decide what is free speech, what is fit to post, etc, right???
>
> I got news for you, buddy. It won�t work. You keep fucking around and
> I�ll file a civil complaint in court against you, FEDERAL COURT, as a
> First Amendment violation. And please, complain to my ISP. That will
> give me a witness, which is all I need to get you convicted.
>
> I don�t give a damn about your dictatorial, ill-mannered, Stalin-like
> personality. The message header was very clear and unambiguous.
>
> So the question becomes, WHY DID YOU CLICK ON MY MESSAGE, WHEN YOU KNEW
> IT WAS NOTHING THAT INTERESTED YOU???????????????????????
>
> See, you�re the moron baffoon. You�re the little tyrant that wants to
> lock up everyone who�s opinion you disagree with.
>
> So, go take a fucking hike on a short pier, and if you know what�s good
> for you, you�ll leave me the fuck alone.
>
> Jack Wiesenmeyer
> billieweenie@hotmail.com
>
> You are even worse than most of the shit that winds up coming here. You
> say I've never used the product. Are you nuts??????
>
> >

```
> >
> >
> >
> >J. Wiesenmeyer wrote:
> >>=20
> >> Attention Fellow Computer Enthusiast:
> >> I=B9ve never used the product they were referring to, so I can=B9t =
> >comment about it.
> >>=20
```

```
From -8656319302863483463
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c1cf09b70fcf8cc2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,c1cf09b70fcf8cc2
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: fa656,c1cf09b70fcf8cc2
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc8b1,c1cf09b70fcf8cc2
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 11480d,c1cf09b70fcf8cc2
X-Google-Attributes: gid11480d,public
X-Google-Thread: f76e2,c1cf09b70fcf8cc2
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,c1cf09b70fcf8cc2
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fc2a5,c1cf09b70fcf8cc2
X-Google-Attributes: gidfc2a5,public
From: "hapticz" <hapticz@email.msn.com>
Subject: Re: SOFTWARE FROM HELL: "COREL, INC."
Date: 1998/05/28
Message-ID: <#IcOe#qi9GA.180@upnetnews02.moswest.msn.net>#1/1
X-Deja-AN: 357516835
References: <billieweenie-2605980741530001@modem1-18.mo-net.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.homebrew,rec.ham-
radio.swap,rec.ham-
radio.packet,rec.radio.amateur.boatanchors,rec.radio.amateur.dx,alabama.birmingham
.radio.amateur
```

this turn is mine,

i thank the gates of earth, for the fine and coherent work done by MICROSOFT
Corporation, its employees, and subsidiaries.

i prefer to have one big monopolistic behemoth of a company dishing out
the usual stuff, cause then we know who to complain to.

every time someone, some government, some other whining competitor, some
greedy lawyer or anybody tries to screw up a well run company like

MICROSOFT,   just remember that in 90 percent of the cases, we the consumer have paid MORE after they did it and got LESS in return.

Corel, well, thats just another company that just "aint got it all together!"

they will eventually fail and disappear, hopefully, unless some whining buerocrat with stock or a PAC donation in his pocket tries to "save" the consumers interests !!! ha ah ha!

now i feel better. bye!

From 6067604083901206863
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9fa5e0fedb530395,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,9fa5e0fedb530395,start
X-Google-Attributes: gid1109af,public
From: Wayne Maxwell <wmaxw@concentric.net>
Subject: TS-930SAT/TL922 FS
Date: 1998/05/30
Message-ID: <356F8765.8E5AF458@concentric.net>#1/1
X-Deja-AN: 357854329
Content-Transfer-Encoding: 7bit
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Organization: Concentric Internet Services
Newsgroups: rec.radio.swap,rec.ham-radio

I am listing this for Jack W1VDF, please contact him at (603)-964-9858.

Kenwood TS-930SAT with MC-80 mic and SP930 speaker	$ 900.00
Kenwood TL-922 Linear amp 80-10 meters	$1200.00
Kenwood SM-220 with BS-8 panadapter	$ 350.00
Kenwood SW-2100 power and swr meter	$ 100.00
Kenwood PC-1A phone patch	$ 75.00
MFJ Deluxe keyer with chrome bencher paddle	$ 125.00

Will sell as package for $2500.00

73 Wayne KE1EQ

From -5399085470355920240
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,18d3906ff685a31f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,18d3906ff685a31f,start
X-Google-Attributes: gid1109af,public
From: Wayne Maxwell <wmaxw@concentric.net>
Subject: IC-271A and amp FS
Date: 1998/05/30
Message-ID: <356F8881.8D7FAEF@concentric.net>#1/1
X-Deja-AN: 357854330
Content-Transfer-Encoding: 7bit
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Organization: Concentric Internet Services
Newsgroups: rec.radio.swap,rec.ham-radio

I am listing this for Jack W1VDF, please contact him at (603) 964-9858.

Icom IC-271A 2 meter-all mode-25 watt	$ 500.00
Dawia LA 2180H 150 watt 2 meter amp	$ 350.00
Astron RS-35M power supply	$ 150.00
Digital power meter 0-200 watts	$ 25.00

Will sell as package for $800.00

73 Wayne KE1EQ

From 4052023137794027336
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,39d22aa8d8078cd8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,39d22aa8d8078cd8
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: fc2a5,39d22aa8d8078cd8
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fc8b1,39d22aa8d8078cd8
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa656,39d22aa8d8078cd8
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,39d22aa8d8078cd8
X-Google-Attributes: gid11480d,public
X-Google-Thread: f76e2,39d22aa8d8078cd8
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,39d22aa8d8078cd8
X-Google-Attributes: gidfddbf,public
From: !*dimitrip@ tiac.net (Dimitri P.)
Subject: Re: SOFTWARE FRAUD ALERT
Date: 1998/05/31

Message-ID: <3570b07e.13919206@news.ecom.net>
X-Deja-AN: 358073300
References: <billieweenie-2205980032560001@modem1-00.mo-net.com>
Reply-To: !*dimitrip@tiac.net
X-Complaints-To: newsabuse@supernews.com
X-Trace: 896577959 8PGRFGR4EE15CCFD C usenet54.supernews.com
Organization: remove the !* to get the real email address.
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.homebrew,rec.ham-radio.swap,rec.ham-radio.packet,rec.radio.amateur.boatanchors,rec.radio.amateur.dx,alabama.birmingham.radio.amateur

For one thing...we have no clue who the hell you are since you are posting from a hotmail address. So please feel free to feel ignored!
I hope someone with more money and more time finds you and sues your sorry existence. Or even better pays you a visit with Vinnie and Tony.

So in the meantime...take notice that most software companies web sites list known bugs BECAUSE THEY RESPECT THEIR CUSTOMERS and they want to keep the support lines open.
All alive humans breathe, and all software has bugs. Period.

You are out of order posting a mental barf like this.
Maybe you are frustrated. maybe you are mental. maybe you are a barf and nothing else.

Go away and don't waste my time.

Say Hi to Vinnie. (if you see him coming)

D

billieweenie@hotmail.com (J. Wiesenmeyer) wrote:

>Attention Fellow Computer Enthusiast:
>
>
>***** COMPUTER SOFTWARE FRAUD ALERT *****
>
>%%%%%%%%%% COREL SOFTWARE EXPOSED %%%%%%%%%%
>
>
>HERE�S A TIP TO HELP YOU AVOID SOME FUTURE GRIEF (AND SAVE SOME OF YOUR
>HARD EARNED MONEY)
>
>PC World Magazine, in their February issue made reference to a particular
>software title as
>
>�THE SOFTWARE FROM HELL�.
>

>I�ve never used the product they were referring to, so I can�t comment about it.
>
>Nevertheless, if PC World had been talking about software from
>
>
>COREL CORPORATION (Word Perfect, etc), it would have been MOST APPROPRIATE.
>
>COREL SOFTWARE PRODUCTS, IN ALL THEIR FORMS, TRULY DESERVE THE TITLE
>
>
>****** SOFTWARE FROM HELL ******
>
>
>because they are buggy (and dysfunctional) beyond belief. Corel products
>make Microsoft look like the knight in shinning armor, even including
>Windoze 95.
>
>YOU CAN�T READ INFO LIKE THIS IN THE COMPUTER MAGAZINES BECAUSE COREL
>SPENDS FAR TOO MUCH MONEY VIA ADVERTISING REVENUE WITH ALL THE COMPUTER
>PUBLICATIONS, AND THEY DON�T DARE EXPOSE ONE OF THEIR BIGGEST ADVERTISERS,
>FOR REASONS WHICH SHOULD BE OBVIOUS. THEREFORE, WE CAN ONLY HOPE TO PASS
>THE WORD VIA NEWS GROUPS AND SIMILAR OUTLETS.
>
>Corel Corporation, a Canadian firm, based in Ottawa, Ontario, has zero
>regard and zero respect for their customers, and is probably the best
>example of why Ziff Davis (publishers of dozens of computer magazines,
>both on the PC and Mac platforms), are now calling for a mandatory (and
>legally binding) 30, 60 or 90 day software money back guarantee.
>
>Using data from Corel�s own website, the following is more than sufficient
>proof to demonstrate the dysfunctional character of Corel�s Word Perfect
>product:
>
>
>
>THE FOLLOWING BUG LIST IS TAKEN FROM COREL�S WORLD WIDE WEBSITE:
>===
>
>ftp://ftp.corel.com/pub/WordPerfect/wpmac/-WPMac ftp Index.html
>
>   (scroll way down, almost to the bottom)
>
>
>What follows is the list of bug fixes initiated by Corel in an attempt to
>repair their cockroach infested product known as Word Perfect, version
>3.5, which can easily be construed as a clear admission of bugs which
>existed with version 3.5 as shipped to customers on CD ROM. What makes
>this issue all the more criminal is the fact that Corel refused to inform
>customers who sent in their warranty registration cards that bug fixes had
>been released for this product. Corel Corporation refused to send
>warranty/registered customers the patches on floppy disk, and if this was
>too expensive, Corel Corporation even refused to send registered customers
>a postcard informing their customers where they could find the patches on

>the Internet. Customers were simply left to struggle with a totally
>dysfunctional product. And customers like myself who finally figured out
>Corel Word Perfect could NOT be made to function properly, and who first
>requested assistance, were ignored, and who later requested a refund, were
>also ignored.
>
>TO THIS DAY, 17 MONTHS AFTER THE PURCHASE OF THE DYSFUNCTION AND COCKROACH
>INFESTED COREL WORD PERFECT PROGRAM, THIS COMPANY CONTINUES TO IGNORE ALL
>INTERNET E-MAIL MESSGES AND ALL UNITED STATES AND CANADIAN POSTAL SERVICES
>LETTERS.
>
>
>==
>
>
>Corel Document ID: 10339
>
>
>The information in this document applies to:
>WordPerfect 3.5 for Macintosh
>
>This Updater works with all versions of Corel WordPerfect 3.5. Including:
>Novell WordPerfect 3.5, Corel WordPerfect 3.5.1, Corel WordPerfect 3.5.2
>and Corel WordPerfect in the CorelDraw Suite.
>
>The Corel WordPerfect 3.5.3 patch replaces all previous patches for
>WordPerfect 3.5, including the Corel WordPerfect 3.5.2 patch shipped in
>October of 1996.
>
>
>Fixes in 3.5.3 patch
>======================
>
>- Conversions should now function normally under System 7.6.
>- A bug was fixed that repairs some display problems.
>- Sporadic warnings that the common library could not be found
> will no longer occur.
>Fixes in 3.5.2 patch
>=====================
>
>
>- Text Selection now works properly.
>
>- The Print Envelope feature will print addresses in the correct position
>on the LaserWriter 8.4 printer driver.
>
>- Deleting to the right at the beginning of a line will no longer cause
>the cursor to reposition incorrectly in the text above.
>
>- Deleting just before a Style no longer causes the cursor to reposition
>incorrectly and delete text within the Style.
>
>- Editing a document in �Show Codes� no longer causes the cursor to

>reposition incorrectly.
>
>- Headers/Footers with text attributes (bold, underline...) are no longer
>affected by text attributes that cross a page break.
>
>- Deleting addresses in the Print Envelope delivery or return address
>window now functions properly.
>
>- The German Dictionary no longer stops and marks incorrect every word
>that contains a � (esset).
>
>- The French Dictionary on a Power Macintosh no longer stops and marks
>incorrect words that contain a � (acute).
>
>-   Delivery Point of a bar code is no longer automatically calculated.
>
>-   Import of tables from various document types has been improved.
>
>-   The title of the �WP6.x Export� now reads �WP6.x,7.x Export� in both
>the patched and resale CD product from Corel.
>
>-   HTML export now saves Corel WordPerfect graphics or .wpg formatted
>images as JPEG�s.
>
>
>
>Fixes in 3.5.1 patch
>=====================
>
>- Editing some long blocks of Japanese characters will not crash the computer.
>
>- Screen display is faster after scrolling through large documents or
>tables, or making editing changes.
>
>- Captions can now be positioned above a graphic or text box.
>
>- Return and delivery addresses in Print Envelope will now allow 255
>characters (including line breaks).
>
>- Dictionaries are now listed under the Dictionary menu instead of the
>Check menu.
>
>- Ruler Bar display problems with PCI Power Macintosh computers have been
>fixed.
>
>- WP 6.x and WP 7.x conversions can now be canceled.
>
>- While working in subdocuments�such as headers or footnotes on black and
>white screens, Corel WordPerfect does not quit unexpectedly when clicking
>in the ruler area of the subdocument.
>
>- Zip codes beginning with zero which did not have extended zip code
>digits now function properly in the Print Envelope feature.

>
>
>- Font menus in Preferences and Print Envelopes now work properly on
>small monitors.
>
>
>- Cleared tabs will no longer unexpectedly reappear on the ruler.
>
>- Hyperlink copy and paste are now working.
>
>- Cell Protection now disables the deletion of the contents of a cell.
>
>- The bottom border of a table which crosses a page break is now visible.
>
>- Patterns in a cell will no longer disappear when performing a Split or Join.
>
>- Joining with the first cell of a table now functions properly.
>
>- Row selection of tables in a text box is now available.
>
>- Scroll bar does not stick when scrolling.
>
>- Corel WordPerfect will use the Language Resource file designed for your
>system if present, or default to English (USA).
>
>- Page Setup is now enabled in the Print Envelope feature (this allows
>the selection of paper sizes and envelope trays).
>
>- Changing QuickCorrect preferences with no documents open will no longer
>crash the computer.
>
>- Tables and Page Borders now work together.
>
>- The PowerTalk Mailer can exceed 4096 characters.
>
>- In the new Corel WordPerfect 3.5 CD-ROM, Norton Utilities will no
>longer report an error in the WordPerfect Installer Read Me. This fix is
>not available in the patch, but if you use Norton Utilities, we suggest
>you delete the WordPerfect Installer Read Me since it is not required for
>proper operation of the software.
>
>- Corel WordPerfect Dictionaries and QuickCorrect word lists will no
>longer be replaced during installation.
>
>===
>
>Postscript:
>
>
>The above represents the bug list for Word Perfect 3.5, as I purchased
>this product, these revelations coming directly from Corel�s website.
>Considering all these problems, it is little wonder that Ziff Davis
>Publishers are now suggesting we have a SOFTWARE LEMON LAW to protect

```
>computer consumers from future issues of this sort of software larceny.
>
>If the reader will examine the websites of PC Week, PC World, and a few
>other leading PC-platform computer magazines, he will discover that
>Corel's Word Perfect, Suite 8 (the latest offering from Corel) is likewise
>full of bugs. Don't take my word for it--- check it out for yourself.
>
>MORAL OF STORY::::
>
>
>SAVE YOUR MONEY--- DO NOT BUY ANYTHING WITH ���COREL��� ON THE LABEL,
>WHETHER IT BE FOR IBM COMPATIBLES OR THE MACINTOSH !!!

___________________________________________________________
while you are passing out the spam, don't forget these guys.
root@localhost
$LOGNAME@localhost
abuse@tiac.net
$LOGIN@localhost
$USER@$HOST
$USER@localhost
----------------------------------------------------




From 7933636654691475229
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,26c843f48a52f95,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,26c843f48a52f95,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 114aac,26c843f48a52f95,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 1031c8,26c843f48a52f95,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa029,26c843f48a52f95,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: f76e2,26c843f48a52f95,start
X-Google-Attributes: gidf76e2,public
From: Ronny Julian <vwtruck@bellsouth.net>
Subject: FS:SILENT KEY ESTATE SALE ICOM HF AZDEN VHF MORE....
Date: 1998/06/02
Message-ID: <35735C3B.6322B472@bellsouth.net>#1/1
X-Deja-AN: 358652807
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0
NNTP-Posting-Date: Mon, 01 Jun 1998 22:03:12 EST
Content-Type: text/plain; charset=us-ascii
Newsgroups: rec.ham-
radio.swap,rec.radio.scanner,rec.radio.shortwave,rec.radio.amateur.swap,rec.radio.
amateur.equipment,rec.ham-radio
```

List of items for sale from XYL of silent key K4IR.
She would like cash for these items. Please E-MAIL me at
kd4ixr@juno.com

Item	Model No.	Manual	Price
MFJ Versa Tuner	MFJ989C	YES	$200.00
Azden 2M FM Mobile Xcvr	PCS-5000	YES	$150.00
Kenwood Power supply	PS-6	YES	$70.00
Shure Desk Microphone	444	NO	$50.00
CDE Xmit/Rcv Direction control		YES	$50.00
Azden 2M FM Mobile Xcvr	PCS-700H	YES	$150.00
Icom HF Xcvr	IC-751A	YES	$700.00
Icom Power supply	IC-PS15	YES	$100.00

Terms are Cashiers check or Money order and buyer pays shipping/insurance costs. If within north Georgia I can deliver. This is excellent equipment and very well maintained.

Please direct all replys to KD4IXR@juno.com as I cannot check into rec.radio.swap all the time. Thanks!

From -110075002160102768
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,18cde8183124594c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,18cde8183124594c,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,18cde8183124594c,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,18cde8183124594c,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1009ad,18cde8183124594c,start
X-Google-Attributes: gid1009ad,public
From: mrmtjm@atlantic.net (M Martineau)
Subject: FS: Icom IC-R9000
Date: 1998/06/02
Message-ID: <35737f2a.22909148@news.atlantic.net>#1/1
X-Deja-AN: 358693831
NNTP-Posting-Date: Tue, 02 Jun 1998 00:27:27 EDT
Reply-To: mrmtjm@atlantic.net

Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap

For Sale
Icom IC-R9000 Receiver in excellent condition. Full details on Ebay at
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=15960704

Thank You
Michael

From 879401424724337056
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,39d22aa8d8078cd8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,39d22aa8d8078cd8
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: fddbf,39d22aa8d8078cd8
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 11480d,39d22aa8d8078cd8
X-Google-Attributes: gid11480d,public
X-Google-Thread: f76e2,39d22aa8d8078cd8
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,39d22aa8d8078cd8
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc8b1,39d22aa8d8078cd8
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fc2a5,39d22aa8d8078cd8
X-Google-Attributes: gidfc2a5,public
From: nospam@nospam.com (No spam)
Subject: Re: SOFTWARE FRAUD ALERT
Date: 1998/06/04
Message-ID: <35791e6a.13627508@news.snet.net>#1/1
X-Deja-AN: 359376913
Content-Transfer-Encoding: 8bit
References: <billieweenie-2205980032560001@modem1-00.mo-net.com>
<3570b07e.13919206@news.ecom.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Organization: "SNET dial access service"
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.homebrew,rec.ham-radio.swap,rec.ham-radio.packet,rec.radio.amateur.boatanchors,rec.radio.amateur.dx,alabama.birmingham.radio.amateur

On Sun, 31 May 1998 01:26:34 GMT, !*dimitrip@ tiac.net (Dimitri P.)
wrote:

>billieweenie@hotmail.com (J. Wiesenmeyer) wrote:
>

>>Attention Fellow Computer Enthusiast:
>>
>>
>>***** COMPUTER SOFTWARE FRAUD ALERT *****
>>
>>%%%%%%%%%% COREL SOFTWARE EXPOSED %%%%%%%%%%
>>
>>
>>HERE�S A TIP TO HELP YOU AVOID SOME FUTURE GRIEF (AND SAVE SOME OF YOUR
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>>****** SOFTWARE FROM HELL ******
>>
>>
>>because they are buggy (and dysfunctional) beyond belief. Corel products
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>>
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>>legally binding) 30, 60 or 90 day software money back guarantee.
>>
>>Using data from Corel�s own website, the following is more than sufficient
>>proof to demonstrate the dysfunctional character of Corel�s Word Perfect
>>product:

>>The information in this document applies to:
>>WordPerfect 3.5 for Macintosh
^^^^^^^^^
THis explains everything.

WHo the hell is going to spend dollars fixing software for a soon-to-be DEAD platform made by a company without a full-time CEO?

Anyways, I thought you stupid Apple People NEVER,EVER had any problems with your Mac.

Get a REAL computer!

```
From -8619528481910687122
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1e7e8ed48b48fda3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fd5d6,1e7e8ed48b48fda3
X-Google-Attributes: gidfd5d6,public
X-Google-Thread: 10ed5f,1e7e8ed48b48fda3
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 16cc7c,1e7e8ed48b48fda3
X-Google-Attributes: gid16cc7c,public
X-Google-Thread: f76e2,1e7e8ed48b48fda3
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1009ad,1e7e8ed48b48fda3
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fb049,1e7e8ed48b48fda3
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10d67c,1e7e8ed48b48fda3
X-Google-Attributes: gid10d67c,public
From: RA <ralph_aguirre@hp.com>
Subject: Re: ***** FS:  HTX-202 2 Meter Ham Radio - Still Avail. *****
Date: 1998/06/04
Message-ID: <3576A224.41CD@hp.com>#1/1
X-Deja-AN: 359475941
Content-Transfer-Encoding: 7bit
References: <6kc95m$a29$1@news12.ispnews.com>
To: Randy Schumann <aCey@earthling.net>
```

Content-Type: text/plain; charset=us-ascii
Organization: Hewlett Packard Cupertino Site
Mime-Version: 1.0
Reply-To: ralph_aguirre@hp.com
Newsgroups: alt.ham-radio,alt.ham-radio.amtor.marketplace,alt.ham-radio.vhf-uhf,alt.radio.scanner,aus.radio.scanner,phl.scanner,rec.ham-radio,rec.ham-radio.swap,rec.radio.scanner

Randy Schumann wrote:
>
> STILL AVAILABLE!
>
> Radio Shack HTX-202 2 Meter Amateur VHF*FM Transceiver
> $150 obo
>
> This is in the original box with everything that originally came with it:
> antenna, charger, ni-cad batt. pack, alkaline batt. case, and manual
>
> Bought brand new at the $199.99 price a few months ago. Only fiddled with
> it a couple times to see how it operates. Have studied for most of the
> test, but too busy with work to have much time to finish and get the
> license.
>
> This radio is extremely close to brand new. No physical blemishes
> whatsoever. Please email if interested. May also consider trades for other
> radios.
>
> Randy
> Fort Walton Beach, Fl

Randy, does that radio have an upward facing speaker and can you lock the front panel controls so no one (kids) can mess with it? If so, please let me know. I'm looking for a base 2 meter mobile rig with those features so I can leave the rig on but lock everything so my kids cant mess with the rig when its on. Upward facing speaker is so the sound doesnt go into the power supply instead of in the air.
If now, would you know of a radio with these features?

Ralph

From 803741082055255548
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1e7e8ed48b48fda3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fd5d6,1e7e8ed48b48fda3
X-Google-Attributes: gidfd5d6,public
X-Google-Thread: 1009ad,1e7e8ed48b48fda3

X-Google-Attributes: gid1009ad,public
X-Google-Thread: 10d67c,1e7e8ed48b48fda3
X-Google-Attributes: gid10d67c,public
X-Google-Thread: 10ed5f,1e7e8ed48b48fda3
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f76e2,1e7e8ed48b48fda3
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 16cc7c,1e7e8ed48b48fda3
X-Google-Attributes: gid16cc7c,public
X-Google-Thread: fb049,1e7e8ed48b48fda3
X-Google-Attributes: gidfb049,public
From: RA <ralph_aguirre@hp.com>
Subject: Help me find this mobile 2 meter rig with these features?
Date: 1998/06/04
Message-ID: <3576A332.48D4@hp.com>#1/1
X-Deja-AN: 359475942
Content-Transfer-Encoding: 7bit
References: <6kc95m$a29$1@news12.ispnews.com>
Content-Type: text/plain; charset=us-ascii
Organization: Hewlett Packard Cupertino Site
Mime-Version: 1.0
Reply-To: ralph_aguirre@hp.com
Newsgroups: alt.ham-radio,alt.ham-radio.amtor.marketplace,alt.ham-radio.vhf-uhf,alt.radio.scanner,aus.radio.scanner,phl.scanner,rec.ham-radio,rec.ham-radio.swap,rec.radio.scanner

I'm looking for a VHF only rig with an upward facing speaker and a front panel lock that can lock all controls while still leaving the radio functional. I need one like this so I can use it as a base rig and leave it turned on all the time so kids cant play with the knobs and controls. If anyone knows of a new rig like this for sale, please let me know of the model number and type. I have a Yaesu FT-2500 with a locking front panel but it has a downward facing speaker. The upward facing speaker is prefered for better audio while sitting on a power supply. I am limited in space so I really dont have room for an external speaker.

Thanks,

Ralph / AA6WW

From 1065032601291951002
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fd5d6,1e7e8ed48b48fda3
X-Google-Attributes: gidfd5d6,public
X-Google-Thread: 10c9e3,1e7e8ed48b48fda3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,1e7e8ed48b48fda3
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1009ad,1e7e8ed48b48fda3
X-Google-Attributes: gid1009ad,public

```
X-Google-Thread: f76e2,1e7e8ed48b48fda3
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10d67c,1e7e8ed48b48fda3
X-Google-Attributes: gid10d67c,public
X-Google-Thread: 10ed5f,1e7e8ed48b48fda3
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 16cc7c,1e7e8ed48b48fda3
X-Google-Attributes: gid16cc7c,public
From: "Peter S. Rabinowitz" <mrabino@admin.con2.com.ns>
Subject: Re: ***** FS:  HTX-202 2 Meter Ham Radio - Still Avail. *****
Date: 1998/06/04
Message-ID: <3576B908.98A50D6E@admin.con2.com.ns>#1/1
X-Deja-AN: 359497235
Content-Transfer-Encoding: 7bit
References: <6kc95m$a29$1@news12.ispnews.com> <3576A224.41CD@hp.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: newsabuse@supernews.com
X-Trace: 896955988 2DJUTC.DO02A D1B0C usenet76.supernews.com
Organization: All USENET -- http://www.Supernews.com
Newsgroups: alt.ham-radio,alt.ham-radio.amtor.marketplace,alt.ham-radio.vhf-
uhf,alt.radio.scanner,aus.radio.scanner,phl.scanner,rec.ham-radio,rec.ham-
radio.swap,rec.radio.scanner


Randy, this radio is a handheld (aka HT).  It sounds like you want a base station.

> > Radio Shack HTX-202 2 Meter Amateur VHF*FM Transceiver $150 obo

>      Randy, does that radio have an upward facing speaker and can you
> lock the front panel controls so no one (kids) can mess with it? If so,
> please let me  know. I'm looking for a base 2 meter mobile rig with
> those features so I can leave the rig on but lock everything so my kids
> cant mess with the rig when its on. Upward facing speaker is so the
> sound doesnt go into the power supply instead of in the air.
>     If now, would you know of a radio with these features?

--- Peter Rabinowitz  KC2DPT
    To reply, remove the "ns." from the address.  Fight spam!






From -772617684642669390
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96b0d20471166fc3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1164ef,96b0d20471166fc3,start
X-Google-Attributes: gid1164ef,public
X-Google-Thread: 1012c0,96b0d20471166fc3,start
X-Google-Attributes: gid1012c0,public
X-Google-Thread: f55c2,96b0d20471166fc3,start
```

X-Google-Attributes: gidf55c2,public
X-Google-Thread: f9af2,96b0d20471166fc3,start
X-Google-Attributes: gidf9af2,public
From: "pat" <Patrick@earth.com>
Subject: ic-r10 mod???? info?
Date: 1998/06/04
Message-ID: <6l6qdk$2h0$1@usenet47.supernews.com>#1/1
X-Deja-AN: 359561611
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
X-Complaints-To: newsabuse@supernews.com
X-Trace: 896986356 W3OPTWYSEC943D114 usenet47.supernews.com
Organization: All USENET -- http://www.Supernews.com
Newsgroups: alt.ham-radio.am,alt.ham-radio.amtor,alt.ham-radio.atv,alt.ham-radio.mods,rec.ham-radio

I've been doing some research and discovered that the R-10 has two production dates? And the mod that was going around for the gaps will not work for the later production date?

Can you get one new that is in the old date? Are their mods for the new production date?

any info will help mail to
PatLit@seanet.com

From -5540135500830374424
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,c8e3bc6d2c390ec1,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,c8e3bc6d2c390ec1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,c8e3bc6d2c390ec1,start
X-Google-Attributes: gid1109af,public
From: "Glenn J. Torres" <radioman@communique.net>
Subject: Wanted:Dust Plug For Bird Wattmeter
Date: 1998/06/06
Message-ID: <01bd9192$eec543c0$9e58cccf@default>#1/1
X-Deja-AN: 360224569
Organization: Verio Gulfsouth
Newsgroups: alt.ham-radio.marketplace,rec.radio.swap,rec.ham-radio

I am looking for a dust plug for a Bird 43 or Coaxial Dynamics Wattmeters. If anyone has one that they no longer need please reply to me direct with info.
73 esTnx,
Glenn

```
From -4122653899278105342
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db3b3b1cb687b368
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,db3b3b1cb687b368
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 108122,db3b3b1cb687b368
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,db3b3b1cb687b368
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1109af,db3b3b1cb687b368
X-Google-Attributes: gid1109af,public
X-Google-Thread: 115af6,db3b3b1cb687b368
X-Google-Attributes: gid115af6,public
X-Google-Thread: f76e2,db3b3b1cb687b368
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,db3b3b1cb687b368
X-Google-Attributes: gidfa656,public
From: "Erik Skovgaard" <Erik_Skovgaard@bc.sympatico.ca>
Subject: Re: 6m HT amp
Date: 1998/06/06
Message-ID: <6ld6k3$lrf$1@news.bctel.net>#1/1
X-Deja-AN: 360301054
References: <6kp37v$kjq$1@news.eclipse.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: m/v Dorothy B, Vancouver
Newsgroups: alabama.birmingham.radio.amateur,rec.ham-radio,rec.ham-
radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amate
ur.misc,rec.radio.swap
```

Doug,

Do you have any telephone number and/or URL?

73 de VE7MDL   ....Erik.

mirage wrote in message <6kp37v$kjq$1@news.eclipse.net>...

> commercial amp made by TPL
> specs
> freq. 35-50mhz
> 1-6w in
> 20-40w out
> model pa1-1ac
> 13.8vdc
> very easy to tweak on 6
> $45
> Doug
>

>
>

From -2617466102145357950
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,f71206f5fdfeb872,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,f71206f5fdfeb872,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,f71206f5fdfeb872,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,f71206f5fdfeb872,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,f71206f5fdfeb872,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,f71206f5fdfeb872,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fa029,f71206f5fdfeb872,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1009ad,f71206f5fdfeb872,start
X-Google-Attributes: gid1009ad,public
From: ghopper@eskimo.com (Grant Hopper)
Subject: WTB: Kenwood TH-42AT and/or TSU-8
Date: 1998/06/06
Message-ID: <ghopper-0606982220270001@ghopper.ndip.eskimo.net>#1/1
X-Deja-AN: 360305954
Organization: Eskimo North (206) For-Ever
Newsgroups: rec.radio.swap,rec.ham-radio.swap,rec.radio.amateur.swap,alt.ham-radio.marketplace,rec.radio.scanner,alt.radio.scanner,rec.radio.amateur,rec.ham-radio,alt.radio.amateur

Looking for a Kenwood TH-42AT in good condition. prefer it with a TSU-8 installed.

Also looking for a seperate TSU-8 for my TH-22AT.

Please e-mail ghopper@eskimo.com with offers for sale.

G Hopper
KB7WSD

--
G.F. Hopper
ghopper@eskimo.com
KB7WSD

From 5234990910599669294
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,9f22aac16ffc395d
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,9f22aac16ffc395d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 101376,9f22aac16ffc395d
X-Google-Attributes: gid101376,public
From: Mark Rowell <mrowell@ridgecrest.ca.us>
Subject: Re: Antenna problems...
Date: 1998/04/03
Message-ID: <35258ACF.99CA70D7@ridgecrest.ca.us>#1/1
X-Deja-AN: 340690366
Content-Transfer-Encoding: 7bit
References: <3522BB38.9B565052@netacc.net>
Mime-Version: 1.0
Reply-To: mrowell@ridgecrest.ca.us
To: gcs@netacc.net
Content-Type: text/plain; charset=us-ascii
Organization: RidgeNET
Newsgroups: misc.emerg-services,rec.ham-radio,alt.ham-radio.marketplace

David Rea wrote:

> I'm a ham radio operator and a first responder for my local ambulance
> corps, and am trying to attach a couple of trunk-lip antennas to my 1995
> Ford Taurus SE, but I'm having problems getting the cables from the
> trunk into the passenger cabin.
>
> Does anyone know how I might snake the cables (about 1/4 inch in
> diameter) under the rear seat, or have any alternative routes? The seats
> are partial-leather, so they may be attached differently from all-cloth
> seats.
>
> I'd like to keep the wires as close to the floor as possible, to keep
> things looking nice, but I'll go through the rear speaker hole and over
> the rear deck if I have to...I'd prefer an alternative...
>
> --David Rea
> KB2YQE
> NYSCFR-IT

I have done several mobile installations both for myself and for the Sheriff's Search and Rescue Group. In passanger vehicles, I prefer to run the antenna cable under the carpet to either side of the drive shaft hump. My second choice is to unscrew the kick plates on the door opening and use the channel that has always been present, no matter what the make or model car.

I avoid going through the floor boards (as suggested by another) because we often do creek crossing under adverse conditions (can you say very high water?) and regardless of the amount of silicon/rubber sealant, I have alway found that they leak eventually. You also have to deal with afording your cable with proper chaif protection and you expose your antenna lead to foreign object damage from stuff kicked up off the road.

From 8422679749790053960
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,9f22aac16ffc395d
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,9f22aac16ffc395d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 101376,9f22aac16ffc395d
X-Google-Attributes: gid101376,public
From: brianntx@e-tex.com
Subject: Re: Antenna problems...
Date: 1998/04/04
Message-ID: <6g47v0$7ks@news.e-tex.com>#1/1
X-Deja-AN: 340710686
Content-Transfer-Encoding: 7bit
References: <3522BB38.9B565052@netacc.net> <35258ACF.99CA70D7@ridgecrest.ca.us>
To: mrowell@ridgecrest.ca.us
Content-Type: text/plain; charset=us-ascii
Organization: East Texas Internet
Mime-Version: 1.0
Newsgroups: misc.emerg-services,rec.ham-radio,alt.ham-radio.marketplace

Well, I install for a living and I have found that the best and easiest way is to come in at the driver side and usually you can pull the seat forward just enough to grab the coaxal, run it down the side of the seat, tucking it as you go, pull the pannels at the floor (most screw in some just clip) and run the cable under them careful not to screw into them when you replace the pannels,you will get to the frount seatbelt, the coax should be able to tuck under there also now you can either go from there under the seat and up the middle if you are using a console or you can go under the frount pannel just like you did in the back and run it under the carpet at the peddle.

From -6389539280333560350
X-Google-Language: Japanese,JIS
X-Google-Thread: 10c9e3,ca3f128ff3ce1529,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,ca3f128ff3ce1529,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 107ada,ca3f128ff3ce1529,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc1a3,ca3f128ff3ce1529,start
X-Google-Attributes: gidfc1a3,public

```
X-Google-Thread: fc8b1,ca3f128ff3ce1529,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1109af,ca3f128ff3ce1529,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,ca3f128ff3ce1529,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,ca3f128ff3ce1529,start
X-Google-Attributes: gid1031c8,public
From: Bell System <westernmobiletel@worldnet.att.net>
Subject: Re: WTB: SONY radios 6800,CRF320,CRF1
Date: 1998/04/04
Message-ID: <6g6vsn$aeu@bgtnsc02.worldnet.att.net>#1/1
X-Deja-AN: 340980843
Content-Transfer-Encoding: 7bit
References: <3526C292.BF477213@nk.rim.or.jp>
Content-Type: text/plain; charset=us-ascii
Organization: 911radio.com
Mime-Version: 1.0
Newsgroups: fj.rec.ham,rec.ham-radio.swap,rec.ham-
radio,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap,rec.radio.short
wave,rec.radio.amateur.boatanchors
```

```
=?iso-2022-jp?B?GyRCRiNAbiEhPjxJVxsoSg==?= wrote:
>
> Wanted buy: sony radio ICF-6800(A)(W)
> $B!!!!!!!!!!!!!!!!!!!!!!(J sony$B!!!!!!!!!!!!(J CRF-1
> $B!!!!!!!!!!!!!!!!!!!!!!(J sony$B!!!!!!!!!!!!(J CRF-320
>
> If you have information, please e-mail
> akio fujikawa in KYOTO,JAPAN
>
> e-mail: fujikawa@nk.rim.or.jp
> $B!!(J
> $B!!(J
>
> $B!!(J
> $B!!(J
> $B!!(J

     HI O$B!  I have a SONY 330-CFR 1.  It is the same as the
     320-CFR1 except it has a tape recorder on the bottom of the
     radio. I have the covers and all of the manuals for it. I bought
     it about 20 years ago. Where are you?
--
        Very Best Regards, ARTHUR  73  KC6KUK  ANAHEIM  CA.
        http://www.bellsystem.net
        http://www.911radio.com
     http://www.motorola8000.com
```

```
From -6828606248088459336
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a33bc54eb910c397,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a33bc54eb910c397,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,a33bc54eb910c397,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,a33bc54eb910c397,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,a33bc54eb910c397,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,a33bc54eb910c397,start
X-Google-Attributes: gidf76e2,public
From: "Kostas Kitsios" <kostas1@gte.net>
Subject: FS: Kenwood TM-255 and TM-455A All-Modes
Date: 1998/04/04
Message-ID: <6g785r$n1b$1@gte2.gte.net>#1/1
X-Deja-AN: 341006593
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: gte.net
X-Auth: DD08C44C548195CE11C28491
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap

I have for sale two Kenwood all-mode mobile transceivers. A TM-255 2 meter rig and a matching TM-455A 440 rig. Both rigs come with separation kits, mikes, mounting brackets, power cables, manuals, and original boxes. The TM-255 is a 55 watt rig, the TM-455A is a 45 watt rig. Both are in excellent physical and electrical condition, a 9+.

I am asking $500.00 for the TM-255 and $400.00 for the TM-455A. If you buy them both you can have them for $850.00 and I'll throw in the factory service manuals too.

Prices are US Dollars, and do not include shipping costs.

Thanks and 73,

Dino Kitsios, KF6ECO
(562) 421-7582 evenings
(310) 534-3548 days
kf6eco@amsat.org

```
From -7418072922664816298
X-Google-Language: Japanese,JIS
X-Google-Thread: 10c9e3,ca3f128ff3ce1529
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,ca3f128ff3ce1529
X-Google-Attributes: gid1109af,public
X-Google-Thread: 114aac,ca3f128ff3ce1529
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,ca3f128ff3ce1529
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,ca3f128ff3ce1529
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 107ada,ca3f128ff3ce1529
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc1a3,ca3f128ff3ce1529
X-Google-Attributes: gidfc1a3,public
X-Google-Thread: fc8b1,ca3f128ff3ce1529
X-Google-Attributes: gidfc8b1,public
From: "=?iso-2022-jp?B?GyRCRiNAbiEhPjxJVxsoSg==?=" <fujikawa@nk.rim.or.jp>
Subject: WTB: SONY radios 6800,CRF320,CRF1
Date: 1998/04/05
Message-ID: <3526C292.BF477213@nk.rim.or.jp>#1/1
X-Deja-AN: 340933786
Content-Transfer-Encoding: 7bit
X-Priority: 3 (Normal)
Content-Type: text/plain; charset=iso-2022-jp
Organization: RIMNET
Mime-Version: 1.0
Reply-To: fujikawa@nk.rim.or.jp
Newsgroups: fj.rec.ham,rec.ham-radio.swap,rec.ham-
radio,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap,rec.radio.short
wave,rec.radio.amateur.boatanchors


Wanted buy: sony radio ICF-6800(A)(W)
$B!!!!!!!!!!!!!!!!!!!!!!(J sony$B!!!!!!!!!!!!(J CRF-1
$B!!!!!!!!!!!!!!!!!!!!!!(J sony$B!!!!!!!!!!!!(J CRF-320

If you have information, please e-mail
akio fujikawa in KYOTO,JAPAN

e-mail: fujikawa@nk.rim.or.jp
$B!!(J
$B!!(J

$B!!(J
$B!!(J
$B!!(J
```

From 6750682982743690845
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f557d,ca6a078ce9a75d12,start
X-Google-Attributes: gidf557d,public
X-Google-Thread: 10c9e3,ca6a078ce9a75d12,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,ca6a078ce9a75d12,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 1009ad,ca6a078ce9a75d12,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: f76e2,ca6a078ce9a75d12,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10ddf1,ca6a078ce9a75d12,start
X-Google-Attributes: gid10ddf1,public
X-Google-Thread: 10ddb1,ca6a078ce9a75d12,start
X-Google-Attributes: gid10ddb1,public
X-Google-Thread: 1118b9,ca6a078ce9a75d12,start
X-Google-Attributes: gid1118b9,public
From: write2me@inside.net (James)
Subject: LOOKING FOR THE LATEST HAM TEST ELEMENT 2 & 3A
Date: 1998/04/08
Message-ID: <6gem9s$dcf$1@nnrp1.snfc21.pbi.net>#1/1
X-Deja-AN: 341913828
Mime-Version: 1.0
Content-Type: Text/Plain; charset=US-ASCII
Organization: Pacific Bell Internet Services
Newsgroups:
alt.radio.scanner,alt.radio.scanner.flame_fest,relcom.radio.ham,in.ham-radio,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,sbay.hams,slac.rec.ham_radio,su.org.ham-radio

LOOKING FOR THE LATEST HAM TEST

I'm looking for the latest HAM test for written Element 2
and written element 3A.

My friend wants to get his ham licence but the program I have
might be a little out dated. If someone could send a copy to me
I would appreciate it.

My email address is:

barretta@mci2000.com

Thanks

James
barretta@mci2000.com

From -8699586367497209272
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ef2a8d5f41e4c19c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105955,ef2a8d5f41e4c19c,start
X-Google-Attributes: gid105955,public
X-Google-Thread: 1146d3,ef2a8d5f41e4c19c,start
X-Google-Attributes: gid1146d3,public
X-Google-Thread: f4306,ef2a8d5f41e4c19c,start
X-Google-Attributes: gidf4306,public
X-Google-Thread: 1109af,ef2a8d5f41e4c19c,start
X-Google-Attributes: gid1109af,public
From: "Tom O'Brion" <n1zpc@maine.rr.com>
Subject: AEA PK-232 MBX problems
Date: 1998/04/08
Message-ID: <01bd6337$c11df900$7e4bd2cc@hammer>#1/1
X-Deja-AN: 342204794
Organization: Time Warner
Newsgroups: alt.ham-radio.packet,att.ham-radio,fido7.hamradio,rec.ham-radio,rec.radio.swap

Was hoping maybe someone could give me some wordsof wisdom I am trying to hook up a PK-232 to a Kenwood TH-205AT 2M HT. Pretty straight forward stuff but I cannot seem to get it to transmit. I raceive great. But the radio just will not transmit. I have attach the URL that I am going by to setup the circuit. Any help on this would be much appreciated. I realize that the diagram shows a HTX-202 HT. But the radios are very simuliar and thought they would have the same hook up. I also have attach the link that I use for showing what the PK-232MBX. THANKS Again in advance for any help.

Radio Setup: http://prairie.lakes.com/~medcalf/ztx/wire/y727.html
PK-232 setup: http://prairie.lakes.com/~medcalf/ztx/wire/aea.html

73's

Tom - N1ZPC

From 3080728823506687182
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,50d2de166b3797b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,50d2de166b3797b,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 108122,50d2de166b3797b,start

```
X-Google-Attributes: gid108122,public
X-Google-Thread: fe512,50d2de166b3797b,start
X-Google-Attributes: gidfe512,public
X-Google-Thread: 115af6,50d2de166b3797b,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: fa656,50d2de166b3797b,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10d67c,50d2de166b3797b,start
X-Google-Attributes: gid10d67c,public
X-Google-Thread: fe08a,50d2de166b3797b,start
X-Google-Attributes: gidfe08a,public
From: berlin@solaris1.mysolution.com (Stone Cold)
Subject: Re: 6 metre Kenwood TS 60
Date: 1998/04/09
Message-ID: <352cb886.1137300@207.87.184.6>#1/1
X-Deja-AN: 342951730
Content-Transfer-Encoding: 7bit
References: <6futqm$f5p$1@news.eclipse.net>
MIME-Version: 1.0
Reply-To: berlin@solaris1.mysolution.com
Content-Type: text/plain; charset=us-ascii
Organization: ISI
Newsgroups:
alabama.birmingham.radio.amateur,alt.radio.internet,hamilton.buysell,phl.scanner,r
ec.ham-
radio,rec.radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.mi
sc,rec.radio.swap


Would you be interested in a trade?


On Wed, 1 Apr 1998 21:45:11 -0500, "mirage" <mirage@eclipse.net>
wrote:

>TS 60 100 watts
>bracket,mike,pw cord, box,book
>$675
>Doug
>
>
>




From 75633404536363048
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ea2c5ba03e025f8d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105955,ea2c5ba03e025f8d,start
X-Google-Attributes: gid105955,public
X-Google-Thread: 108122,ea2c5ba03e025f8d,start
```

X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,ea2c5ba03e025f8d,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 107ada,ea2c5ba03e025f8d,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,ea2c5ba03e025f8d,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114671,ea2c5ba03e025f8d,start
X-Google-Attributes: gid114671,public
X-Google-Thread: fa656,ea2c5ba03e025f8d,start
X-Google-Attributes: gidfa656,public
From: "Michael J. Smith" <mjs@now-online.com>
Subject: FS IC-706 & TUNER
Date: 1998/04/10
Message-ID: <csgX.44$56.609010@reader1.cleveland.iagnet.net>#1/1
X-Deja-AN: 342623053
NNTP-Posting-Date: Thu, 09 Apr 1998 20:35:36 PST
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Newsgroups: att.ham-radio,aus.radio.amateur.misc,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

I have for sale a IC-706 and AT-180. Includes items below:

IC-706 MKI
FL-101 CW filter 250Hz
OPC-581 11.5' separation cable
MB-63 Mounting bracket for control panel
Icom service manual (this is from icom)
All boxes and manuals

AT-180 (auto tuner HF+6M)

This radio was only mobile once for a road trip. Was used as a base by a non-smoker. I would like $1150.00 for everything. I will pay shipping lower 48 states. For another $150.00 I will include a Timewave DSP 59+ (latest software). Unless it is sold first. I can be reached by E-mail or my phone number is 216-741-4717.

I will think about spliting up the 706 and the tuner.
Mike

mjs@now-online.com

From 4797439085025412677
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,78fb6ee166efbb03,start
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 108122,78fb6ee166efbb03,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,78fb6ee166efbb03,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,78fb6ee166efbb03,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 105955,78fb6ee166efbb03,start
X-Google-Attributes: gid105955,public
X-Google-Thread: fa656,78fb6ee166efbb03,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114671,78fb6ee166efbb03,start
X-Google-Attributes: gid114671,public
X-Google-Thread: 1031c8,78fb6ee166efbb03,start
X-Google-Attributes: gid1031c8,public
From: "Michael J. Smith" <mjs@now-online.com>
Subject: FS IC-706
Date: 1998/04/11
Message-ID: <TaBX.30$mo5.489565@reader1.cleveland.iagnet.net>#1/1
X-Deja-AN: 342958148
NNTP-Posting-Date: Fri, 10 Apr 1998 20:10:43 PST
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Newsgroups: att.ham-radio,aus.radio.amateur.misc,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

I have for sale a IC-706. Includes items below:

IC-706 MKI
FL-100 CW filter 500Hz
OPC-581 11.5' separation cable
MB-63 Mounting bracket for control panel
Icom service manual (this is from icom)
All boxes and manuals

This radio was only mobile once for a road trip. Was used as a base by a non-smoker. I would like $825.00 for everything. I will pay shipping lower 48 states. I can be reached by E-mail or my phone number is 216-741-4717.

Mike

mjs@now-online.com

From -246088926343160424
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c24499df41dadf,start
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 10aaeb,9c24499df41dadf,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 108122,9c24499df41dadf,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,9c24499df41dadf,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,9c24499df41dadf,start
X-Google-Attributes: gidf76e2,public
From: "mirage" <mirage@eclipse.net>
Subject: Kenwood TS 60 6 meters
Date: 1998/04/11
Message-ID: <6gnou7$1qe$1@news.eclipse.net>#1/1
X-Deja-AN: 343060072
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
Newsgroups: alabama.birmingham.radio.amateur,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.swap

Kenwood TS 60
100 watts
am/fm/usb/lsb
rx 40-60mhz
tx 49-54 mhz.
selectable power
pl encode
Dual VFO
split button
menu system.
So many features.
radio is in mint condition w/bracket/mike/pwr cord/box/book
$625 obo
Doug

From 9107468170025572312
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,a1ac0a342ca60038,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,a1ac0a342ca60038,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a1ac0a342ca60038,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,a1ac0a342ca60038,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: 101203,a1ac0a342ca60038,start
X-Google-Attributes: gid101203,public
X-Google-Thread: fa656,a1ac0a342ca60038,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1146d3,a1ac0a342ca60038,start

X-Google-Attributes: gid1146d3,public
X-Google-Thread: f76e2,a1ac0a342ca60038,start
X-Google-Attributes: gidf76e2,public
From: "ka0nno" <ka0nno@cswnet.com>
Subject: vfh, uhf and Microwave Items on ebay for sale
Date: 1998/04/11
Message-ID: <6gns2h$c56$1@news-in.anc.net>#1/1
X-Deja-AN: 343076507
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: Arkansas.Net (501) 375-0160
Newsgroups: alt.ham-radio.marketplace,fido.su.hamradio,fido7.hamradio,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap

903 amplifier
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=10700120

dow key relays
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=10698034

903 preamp
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=10698952

1296 preamp
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=10699323

50watt dummy load
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=10702121

75 watt dummy load
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=10702461

For pictures and bidding go to the url listed above.
Thank you for reading.

From 3615806446582183160
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ea2c5ba03e025f8d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,ea2c5ba03e025f8d
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,ea2c5ba03e025f8d
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,ea2c5ba03e025f8d
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114671,ea2c5ba03e025f8d
X-Google-Attributes: gid114671,public

X-Google-Thread: f76e2,ea2c5ba03e025f8d
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 105955,ea2c5ba03e025f8d
X-Google-Attributes: gid105955,public
X-Google-Thread: 1031c8,ea2c5ba03e025f8d
X-Google-Attributes: gid1031c8,public
From: Hobbes <hobbestg@voicenet.com>
Subject: Re: FS IC-706 & TUNER
Date: 1998/04/11
Message-ID: <352FD691.7083@voicenet.com>#1/1
X-Deja-AN: 343156977
Content-Transfer-Encoding: 7bit
References: <csgX.44$56.609010@reader1.cleveland.iagnet.net>
Content-Type: text/plain; charset=us-ascii
MIME-Version: 1.0
NNTP-Posting-Date: Sat, 11 Apr 1998 16:47:27 EST
Reply-To: hobbestg@voicenet.com
Newsgroups: att.ham-radio,aus.radio.amateur.misc,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

Michael J. Smith wrote:
>
> I have for sale a IC-706 and AT-180. Includes items below:
>
> IC-706 MKI
> FL-101 CW filter 250Hz
> OPC-581 11.5' separation cable
> MB-63 Mounting bracket for control panel
> Icom service manual (this is from icom)
> All boxes and manuals
>
> AT-180 (auto tuner HF+6M)
>
> This radio was only mobile once for a road trip. Was used as a base by a
> non-smoker. I would like $1150.00 for everything. I will pay shipping
> lower 48 states. For another $150.00 I will include a Timewave DSP 59+
> (latest software). Unless it is sold first. I can be reached by E-mail or
> my phone number is 216-741-4717.
>
> I will think about spliting up the 706 and the tuner.
> Mike
>
> mjs@now-online.com

Mike,

I'm interested in your AT-180 tuner if you split up the radio.
Please advise as to price. Thanks and 73   Ed K2SNK

From 8350164157264172898

X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 108228,c04a3fa6502741aa,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,c04a3fa6502741aa,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,c04a3fa6502741aa,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1109af,c04a3fa6502741aa,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,c04a3fa6502741aa,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb049,c04a3fa6502741aa,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,c04a3fa6502741aa,start
X-Google-Attributes: gidf76e2,public
From: WIARC <ve2cwi@rac.ca>
Subject: WIARC Auction & Fleamarket / Encan et March� aux Puces
Date: 1998/04/11
Message-ID: <352FE0B3.D853EBBE@rac.ca>#1/1
X-Deja-AN: 343165103
Content-Transfer-Encoding: 8bit
MIME-Version: 1.0
NNTP-Posting-Date: Sat, 11 Apr 1998 17:28:20 EST
Content-Type: text/plain; charset=iso-8859-1
Organization: West Island Amateur Radio Club
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.swap,rec.radio.amateur,rec.radio.swap

WEST-ISLAND AMATEUR RADIO CLUB AUCTION AND FLEA MARKET

WHEN: Saturday May 9th, 1998
            Opens 7h30 for vendors
            General admission at 8h30
            Auction at 9h30
WHERE: Ste-Suzanne Church
            9501 Gouin Blvd West, Pierrefonds
ADMISSION: $5, free if under 12 years
TABLES: $15, includes one entry, for reservations
E-mailto:ve2cwi@rac.ca

There will be radio related door prizes.
There will be a raffle of a Kenwood TH-235A from Atlantic Ham Radio

For information:
E-mailto:ve2cwi@rac.ca
or visit the club website at: http://www.pubnix.net/wiarc

Talk-in starts at 7h00 on VE2RWI 146.910- and 443.050+
Food and drinks available on the premises

Auction details:
Items sold for less than $2, 100% of sale to WIARC

Items sold between $2 and less than $5, 50% to WIARC
Items $5 and over, 10% to WIARC

Come and join us for the fun!

WEST-ISLAND AMATEUR RADIO CLUB ENCAN ET MARCH� AUX PUCES

QUAND: Samedi le 9 mai 1998
Ouvert � 7h30 pour les vendeurs
Admission g�n�rale � 8h30
Encan � 9h30
O�: �glise Ste-Suzanne
9501 Boul Gouin O., Pierrefonds
ADMISSION: $5, gratuit pour les moins de 12 ans
TABLES: $15, pour r�servations E-mailto:ve2cwi@rac.ca

Il y aura des prix de pr�sence reli�s � la radio.
Il y aura tirage d'un portatif Kenwood TH-235A de Atlantic Ham Radio

Pour information contactez:
E-mailto:ve2cwi@rac.ca
Ou visitez le page web du club � http://www.pubnix.net/wiarc

Auto-guidage commen�ant � 7h00 sur VE2RWI 146.910- et 443.050+
Nourriture et breuvages disponible sur le site

D�tails de l'encan:
Items vendus pour moins de $2, 100% remis au WIARC
Items vendus entre $2 et moins que $5, 50% remis au WIARC
Items vendus $5 et plus, 10% remis au WIARC

Venez vous amuser!

From 5931910024519380579
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2a878b3dae24466b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,2a878b3dae24466b,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,2a878b3dae24466b,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f76e2,2a878b3dae24466b,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10bf43,2a878b3dae24466b,start
X-Google-Attributes: gid10bf43,public
X-Google-Thread: fddbf,2a878b3dae24466b,start
X-Google-Attributes: gidfddbf,public

From: nogateslapdog@hotmail.com (NX0T)
Subject: ATTN: KE2LO-Mezgie
Date: 1998/04/12
Message-ID: <nogateslapdog-1204980450290001@modem1-28.mo-net.com>#1/1
X-Deja-AN: 343290555
Followup-To: poster
Organization: n/a
Newsgroups: rec.radio.amateur.boatanchors,rec.ham-radio.packet,rec.ham-radio,rec.radio.amateur.equipment,rec.ham-radio.swap,rec.radio.amateur.policy,

Hey Mezgie

That was quite a bar room brawl on 3950 tonight, no??? The Field Mice got their tails caught in the mouse trap.

Now it's 4.30 AM and guess who shows up on 3950????

None other than W5VVI, playing suck-butt with Side Car Sidney and Knothead Don Smith. Lying as he usually does, he's claiming he missed everything on the radio tonight. Says he just got up, and doesn't tape anything on 3950 anymore.

Hey, if you believe that, there's a replica of the Brooklyn Bridge right out here in Southwest Missouri you can buy real cheap.

Norm just finished blaming me for the current state of affairs on 3950, that I started it all. Everything was fine and dandy on 3950 until I showed up and caused all the trouble. Never mind I've bee off the air for nearly 2 years, I'M STILL RESPONSIBLE.

What a bunch of crap. Well, if hams are bored with what they're doing on their usual frequency, they can alwasy tune 3950kc's, 10PM Eastern time every Saturday night for hysterical entertainment, nonstop jamming, nonstop finger-pointing, and limitless foolishness from the Blowhard of New Mexico, K5BLB.

I didn't get around to my post for Kevin Alfred. No big deal. He's ok, but he's just got too fat a head is all. A little dash of humility would go a long way. If he helps tie Sidney's tail in a knot, then that's good. Do you remember when Vic and the Girls used to play footsie with Dave and Norm?? They thought they could appease the Devil but, as MUR said, ""IT JUST DOESN'T WORK THAT WAY"".(got that on tape, by the way). Gee, who used to say that all the time """I GOT IT ON TAPE"". Right you are, none other than W5VVI (vivacious vindictive idiot), colleague of WA9KJI, King of the Jammers. Yessiree, W5VVI, now on 3950 as I write this, bitching about jammers, whereas for ten years, he has defended the worst jammer throughout the entire history of ham radio, WA9KJI. Sort of sounds like the pot calling the kettle black, no??? Yessiree, WA9KJI, who has jammed 3950, 7250 and who knows what other frequencies with his tape collection, probably a lot of it made by none other than W5VVI. And they want to bitch about jammers, that everyone that disagrees with them are Nazis. N5OUG says tonight that you're all Nazis. You're not supposed to criticize the government for running us into a 4 trillion dollar debt, causing numerous wars, etc. I guess the public should just be happy for all this crap and enjoy it. If you complain about anything, YOU'RE A NAZI.

If you recall, I tried to explain a few things to you back in 95 or 94 about W5VVI. If you think this guy is benign, think again. What's going on right now proves otherwise.

ah yes, isn't the world interesting?

Catch ya later mezgie dog.

NXOT
Missouri

From 4344265042791291108
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,17898466df16982c,start
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,17898466df16982c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,17898466df16982c,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,17898466df16982c,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1109af,17898466df16982c,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,17898466df16982c,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,17898466df16982c,start
X-Google-Attributes: gidf76e2,public
From: "Charles Francer" <francer@gis.net>
Subject: FS Amplifier Helical Receive 2Mtr Radio Shack - NEW
Date: 1998/04/12
Message-ID: <6gqfqe$19$1@usenet52.supernews.com>#1/1
X-Deja-AN: 343316393
Sender: @209.113.211.176
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: All USENET -- http://www.Supernews.com
Newsgroups: alt.ham-radio.fm,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap

Hello All:

Thankyou for reading this item. I am asking for $115.00 plus a few dollars for shipping and insurance depending upon shiping mode and location.

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o 30 watts output
o Low Noise GaAs Field Effect Transister (FET) pre-amp
o Accepts 0.5-5 watts input
o Double Tuned Helical Band Pass Filter cuts intermodulation
    distortion - This is a must
o 13.8 Volts Direct Current

Originally, I purchased 2 amplifiers for 2 cars and only used one. This one is brand new, Never Used.

From -5755823707870265178
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d2a13e29571cd80,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,4d2a13e29571cd80,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,4d2a13e29571cd80,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,4d2a13e29571cd80,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,4d2a13e29571cd80,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,4d2a13e29571cd80,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f55c2,4d2a13e29571cd80,start
X-Google-Attributes: gidf55c2,public
From: "Charles Francer" <francer@gis.net>
Subject: WTB Icom IC-207H Accessories
Date: 1998/04/12
Message-ID: <6gqhj4$5um$1@usenet53.supernews.com>#1/1
X-Deja-AN: 343317643
Sender: @209.113.211.176
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: All USENET -- http://www.Supernews.com
Newsgroups: alt.ham-radio.mods,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap

Hello To All:

I am willing to purchase or trade for IC-207H accessories. Please send details to:

e-mail to: W1CMF@amsat.org.

Thanyyou....

From 7748814345796412115
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,17898466df16982c
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,17898466df16982c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,17898466df16982c
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,17898466df16982c
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,17898466df16982c
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,17898466df16982c
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,17898466df16982c
X-Google-Attributes: gid1031c8,public
From: "Charles Francer" <francer@gis.net>
Subject: Re: FS Amplifier Helical Receive 2Mtr Radio Shack - NEW
Date: 1998/04/12
Message-ID: <6gqhf4$7qb$1@usenet51.supernews.com>#1/1
X-Deja-AN: 343321384
Sender: @209.113.211.176
References: <6gqfqe$19$1@usenet52.supernews.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: All USENET -- http://www.Supernews.com
Newsgroups: alt.ham-radio.fm,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap

If you have items to trade please be sure to post them here or kindly send
e-mail to: francer@gis.net

Charles Francer, W1CMF
Charles Francer wrote in message <6gqfqe$19$1@usenet52.supernews.com>...
>Hello All:
>
>Thankyou for reading this item. I am asking for $115.00 plus a few dollars
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>o Accepts 0.5-5 watts input
>o Double Tuned Helical Band Pass Filter cuts intermodulation
>   distortion - This is a must
>o 13.8 Volts Direct Current
>
>Originally, I purchased 2 amplifiers for 2 cars and only used one. This one
>is brand new, Never Used.
>
>
>

From -5813879502411121500
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,17898466df16982c
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,17898466df16982c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,17898466df16982c
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,17898466df16982c
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,17898466df16982c
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,17898466df16982c
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,17898466df16982c
X-Google-Attributes: gidfa656,public
From: kd5amz@flash.net
Subject: Re: FS Amplifier Helical Receive 2Mtr Radio Shack - NEW
Date: 1998/04/12
Message-ID: <3538cd7a.61441799@news.flash.net>#1/1
X-Deja-AN: 343325982
Content-Transfer-Encoding: 7bit
References: <6gqfqe$19$1@usenet52.supernews.com>
Mime-Version: 1.0
Reply-To: unknown
Content-Type: text/plain; charset=us-ascii
Organization: me
Newsgroups: alt.ham-radio.fm,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap

On Sun, 12 Apr 1998 09:32:34 -0400, "Charles Francer" <francer@gis.net> wrote:

>Hello All:
>

```
>Thankyou for reading this item. I am asking for $115.00 plus a few dollars
>for shipping and insurance depending upon shiping mode and location.
>
>I am selling a new Radio Shack Power Amplifier. Perfect for mobile and
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>o Accepts 0.5-5 watts input
>o  Double Tuned Helical Band Pass Filter cuts intermodulation
>    distortion - This is a must
>o 13.8 Volts Direct Current
>
>Originally, I purchased 2 amplifiers for 2 cars and only used one. This one
>is brand new, Never Used.
>
>
>
they are on sale here for 69.99




From -6081329482281069487
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,dde92c09ee6222f6,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,dde92c09ee6222f6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,dde92c09ee6222f6,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,dde92c09ee6222f6,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,dde92c09ee6222f6,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,dde92c09ee6222f6,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1146d3,dde92c09ee6222f6,start
X-Google-Attributes: gid1146d3,public
X-Google-Thread: 101203,dde92c09ee6222f6,start
X-Google-Attributes: gid101203,public
From: "ka0nno" <ka0nno@cswnet.com>
Subject: For Sale: MPAC-----UHF Repeater by Aerotronp + manuals, Amplifier,
Antenna
Date: 1998/04/12
Message-ID: <6gr1qd$imf$1@news-in.anc.net>#1/1
X-Deja-AN: 343386227
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: Arkansas.Net (501) 375-0160
Newsgroups: alt.ham-radio.marketplace,fido.su.hamradio,fido7.hamradio,rec.ham-
radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.
radio.amateur.swap,rec.radio.swap
```

For Sale

MPAC-----UHF Repeater by Aerotron

This commercial repeater has been retuned to 444.350 transmit 449.350 receive with preamp. Transmitter is 40 watts out, this repeater has been in service in Hatfield, Arkansas for the past 5 years. The repeater has its own power supply 110volt also has CTCSS multiple tone boards. Repeater can be used in PL mode or non PL mode. Also has a complete set of manuals. Repeater does not include duplexers.

I am asking $800.00 for the repeater and I have a 90 watt amplifier that I will sell for $100.00 with the repeater.

I also have a DB 440 8 bay repeater antenna which I am asking $150.00 for with or without the repeater.

Will sell the total package for $975.00.

I will be at the Little Rock, Ar hamfest on 4-24 and 4-25 and will deliver there or you pick up in Hatfield, Ar.
Or call me at 870-389-6516
Thank you George N0EOQ

From 3989685093493570481
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,17898466df16982c
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,17898466df16982c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,17898466df16982c
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,17898466df16982c
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,17898466df16982c
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,17898466df16982c
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,17898466df16982c
X-Google-Attributes: gid1109af,public
From: todd <tboyer@erols.com>
Subject: Re: FS Amplifier Helical Receive 2Mtr Radio Shack - NEW
Date: 1998/04/12
Message-ID: <3531576B.2FAF@erols.com>#1/1
X-Deja-AN: 343443559
Content-Transfer-Encoding: 7bit
References: <6gqfqe$19$1@usenet52.supernews.com>

```
<3538cd7a.61441799@news.flash.net>
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@erols.com
X-Trace: winter.news.erols.com 892426517 1158 207.172.164.135 (13 Apr 1998
00:15:17 GMT)
Organization: -  -... --- -.-- . .-.    .- -    . .-. --- .-.. ...    -.. --- -
-.-. --- --
Mime-Version: 1.0
Newsgroups: alt.ham-radio.fm,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap,re
c.radio.swap


kd5amz@flash.net wrote:
>
> On Sun, 12 Apr 1998 09:32:34 -0400, "Charles Francer"
> <francer@gis.net> wrote:
>
> >Hello All:
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> >o  Double Tuned Helical Band Pass Filter cuts intermodulation
> >    distortion - This is a must
> >o 13.8 Volts Direct Current
> >
> >Originally, I purchased 2 amplifiers for 2 cars and only used one. This one
> >is brand new, Never Used.
> >
> >
> >
> they are on sale here for 69.99
$49.99 in Pennsylvania




From -8073609911483284530
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f604a,cd082fe2fc74be9,start
X-Google-Attributes: gidf604a,public
X-Google-Thread: 108228,cd082fe2fc74be9,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,cd082fe2fc74be9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 101376,cd082fe2fc74be9,start
X-Google-Attributes: gid101376,public
```

X-Google-Thread: 102344,cd082fe2fc74be9,start
X-Google-Attributes: gid102344,public
X-Google-Thread: 10bc16,cd082fe2fc74be9,start
X-Google-Attributes: gid10bc16,public
From: David Rea <gcs@netacc.net>
Subject: Taurus Antennas
Date: 1998/04/12
Message-ID: <353160DD.6EAA3FE9@netacc.net>#1/1
X-Deja-AN: 343446846
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0
Reply-To: gcs@netacc.net---nospam
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Organization: General Computing Services
Newsgroups: misc.emerg-services,rec.ham-radio,alt.ham-radio.marketplace,rec.autos.misc,rec.autos.tech,rec.autos

Recently, I posted a message requesting help in routing antenna cables for Ham and Public Safety radios in my '95 Ford Taurus. The results were great, and my thanks go out to everyone who helped me break the "backseat barrier".

Now, I have a slightly more cosmetic problem...I don't want to do any damage to the finish on the trunk lid of the car. I'm using trunk-lip antenna mounts, and the kind I'll get probably have plastic or rubber feet. Is there any way to prevent the buildup of water (and the resulting rust) in these mounts?

Over this past summer, I was priveliged enough to run my 4 mag mount antennas (and their respective radios) on the roof of a Mazda SE-5. Placing squares of moslum cloth between the magnet of each antenna and the roof seemed to work fairly well, but it still left some wierd, dull-looking marks. I thought that maybe a heavy coat of wax or 3M glaze might work better in this situation.

This car will be with me for a while, and I'd like to keep it looking mint. Thanks for your help! Also, if you know any really good trunk lip mount or mobile antenna manufacturers out there, let me know. I also wouldn't mind knowing who to stay away from... thanks again!

--

To reply to this message, be sure to remove "---nospam" from the reply-to address. This is insterted to prevent automated mail-spammer "bots" from getting my address and adding me to bulk e-mail lists. Thank you!!!

From -7172687095845086813
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,15f3be3aee8cd476,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,15f3be3aee8cd476,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,15f3be3aee8cd476,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,15f3be3aee8cd476,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,15f3be3aee8cd476,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: fc8b1,15f3be3aee8cd476,start
X-Google-Attributes: gidfc8b1,public
From: JB <starman@thenetcat.com>
Subject: HF Amp For Sale
Date: 1998/04/13
Message-ID: <3531FD38.7A73@thenetcat.com>#1/1
X-Deja-AN: 343567453
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0
Reply-To: starman@thenetcat.com
Content-Type: text/plain; charset=us-ascii
Organization: The United Feline of Planets
Newsgroups: rec.ham-radio,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,alt.ham-radio.hf,alt.ham-radio.marketplace

Swan 1200W HF amp for sale.
MINT condition.
110vac operation
80,40,20,15 and 10 meters

$500

Techtronics 7313 Osciliscope for sale.
Working condition with probes.

$200

e-mail starman@thenetcat.com

--
"Understanding is a three edged sword,
your side, their side, and the truth."
- John Sheridan, Babylon 5

From -2458469622987962984
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,c04a3fa6502741aa

X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,c04a3fa6502741aa
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,c04a3fa6502741aa
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1109af,c04a3fa6502741aa
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,c04a3fa6502741aa
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,c04a3fa6502741aa
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,c04a3fa6502741aa
X-Google-Attributes: gidf76e2,public
From: WIARC <ve2cwi@rac.ca>
Subject: Re: WIARC Auction & Fleamarket / Encan et March� aux Puces
Date: 1998/04/13
Message-ID: <35323BBE.C4C58A04@rac.ca>#1/1
X-Deja-AN: 343628302
Content-Transfer-Encoding: 7bit
References: <199804131112.HAA28172@northshore.shore.net>
To: Michael Crestohl <mc@shore.net>
Content-Type: text/plain; charset=us-ascii
Organization: West Island Amateur Radio Club
MIME-Version: 1.0
NNTP-Posting-Date: Mon, 13 Apr 1998 12:22:02 EST
Newsgroups: alt.ham-radio.marketplace,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.swap,rec.radio.amateur,rec.radio.swap

Thanks for your reply.

The post was a copy of an email sent to various WIARC club members, as such the general location needed not be specified, however this will be corrected in future postings

As for the date, there were no hamfests scheduled during that weekend when WIARC picked its date. It was only later that we were informed that the Hosstraders were having their hamfest in NH that same weekend. Nevertheless it is fairly distant from the Montreal area and takes place during 2 days so we hope this will not greatly affect the number of hams coming to our hamfest.

We're glad you are enjoying the return of the auction to the WIARC fleamarket, and hope that if this auction is successful and gains enough support that it will remain a part of fleamarkets for years to come.

WIARC

Michael Crestohl wrote:

> Hello:
>
> You might want to mention that the WIARC auction is in the Montreal Quebec
> area otherwise people won't know if it's close to them. Also your choice

> of the date was poor - its the same day as the Hosstraders in Rochester NH
> which draws many of the more serious flea market players from Quebec.
>
> Anyways, glad to see that the auction is back. For years I never missed
> one of the West Island club's auctions and many of the fine items in my
> shack were obtained there.
>
> 73,
>
> Michael Crestohl, W1RC/VE2XZ
> mc@shore.net

From 335886961170485911
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,78fb6ee166efbb03
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,78fb6ee166efbb03
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,78fb6ee166efbb03
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 107ada,78fb6ee166efbb03
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114671,78fb6ee166efbb03
X-Google-Attributes: gid114671,public
X-Google-Thread: fa656,78fb6ee166efbb03
X-Google-Attributes: gidfa656,public
X-Google-Thread: 105955,78fb6ee166efbb03
X-Google-Attributes: gid105955,public
X-Google-Thread: f76e2,78fb6ee166efbb03
X-Google-Attributes: gidf76e2,public
From: Paul Love <vk4xd@quasar.apana.org.au>
Subject: Re: FS IC-706
Date: 1998/04/13
Message-ID: <6gsrmb$i5q$1@quasar.apana.org.au>#1/1
X-Deja-AN: 343638583
References: <TaBX.30$mo5.489565@reader1.cleveland.iagnet.net>
X-Server-Date: 13 Apr 1998 11:07:55 GMT
Organization: Quasar - APANA Brisbane
User-Agent: tin/pre-1.4-980117 (UNIX) (Linux/2.0.33 (i486))
Newsgroups: att.ham-radio,aus.radio.amateur.misc,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

In aus.radio.amateur.misc Michael J. Smith <mjs@now-online.com> wrote:
> I have for sale a IC-706. Includes items below:

> IC-706 MKI
> FL-100 CW filter 500Hz
> OPC-581 11.5' separation cable

> MB-63 Mounting bracket for control panel
> Icom service manual (this is from icom)
> All boxes and manuals

> This radio was only mobile once for a road trip. Was used as a base by a
> non-smoker. I would like $825.00 for everything. I will pay shipping
> lower 48 states. I can be reached by E-mail or my phone number is
> 216-741-4717.

> Mike

> mjs@now-online.com

Why do yanks keep cross-posting advertisements in aus.amateur.groups ??

```
--
O-------- Paul-D.-Love ----------------------------------------O
O-------- Email-pdlove@quasar.apana.org.au----------------------O
O-------- Email-vk4xd@quasar.apana.org.au-----------------------O
O-------- AMATEUR-RADIO-OPERATOR--VK4XD---ICQ-8869291-----------O
```

```
From -6060116160421361516
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,15f3be3aee8cd476
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,15f3be3aee8cd476
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,15f3be3aee8cd476
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc8b1,15f3be3aee8cd476
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 108122,15f3be3aee8cd476
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,15f3be3aee8cd476
X-Google-Attributes: gid114a57,public
From: law@earthlink.net
Subject: Re: HF Amp For Sale
Date: 1998/04/13
Message-ID: <3532AA26.26F9@earthlink.net>#1/1
X-Deja-AN: 343727090
Content-Transfer-Encoding: 7bit
References: <3531FD38.7A73@thenetcat.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Organization: EarthLink Network, Inc.
Newsgroups: rec.ham-radio,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,alt.ham-radio.hf,alt.ham-radio.marketplace
```

JB wrote:
>
> Swan 1200W HF amp for sale.
> MINT condition.
> 110vac operation
> 80,40,20,15 and 10 meters
>
> $500
>
> Techtronics 7313 Osciliscope for sale.
> Working condition with probes.
>
> $200
>
> e-mail starman@thenetcat.com
>
> --
> "Understanding is a three edged sword,
> your side, their side, and the truth."
> - John Sheridan, Babylon 5

You are full of shit you have a $200 at the most amp

From 3945962286853413480
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,15f3be3aee8cd476
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,15f3be3aee8cd476
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,15f3be3aee8cd476
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,15f3be3aee8cd476
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 114a57,15f3be3aee8cd476
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,15f3be3aee8cd476
X-Google-Attributes: gid107ada,public
From: JDM <jmul@iland.net>
Subject: Re: HF Amp For Sale
Date: 1998/04/13
Message-ID: <3532AEAD.1FB1@iland.net>#1/1
X-Deja-AN: 343767751
Content-Transfer-Encoding: 7bit
References: <3531FD38.7A73@thenetcat.com> <3532AA26.26F9@earthlink.net>
Mime-Version: 1.0
Reply-To: jmul@iland.net
Content-Type: text/plain; charset=us-ascii
Organization: Corporate Communications
Newsgroups: rec.ham-radio,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,alt.ham-radio.hf,alt.ham-radio.marketplace

To a ham that is too much, but there are plenty of CB'ers that will
gladly pay that for an amp that will match their Siltronix (Swan)
1011's. You probably didn't think of that before you opened your trap
did you?

From -1354421229088816547
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab0efd4399a0e65f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,ab0efd4399a0e65f,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,ab0efd4399a0e65f,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1109af,ab0efd4399a0e65f,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,ab0efd4399a0e65f,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,ab0efd4399a0e65f,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,ab0efd4399a0e65f,start
X-Google-Attributes: gidfa656,public
From: "Charles Francer" <francer@gis.net>
Subject: FS 2 MTR AMP -- Correction
Date: 1998/04/13
Message-ID: <6gu8of$hj0$1@usenet48.supernews.com>#1/1
X-Deja-AN: 343767754
Sender: @209.113.212.213
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

Hello All:
>> >
>> >Thankyou for reading this item. I am asking for $40.00 plus a few
dollars
>> >for shipping and insurance depending upon shiping mode and location.
>> >
>> >I am selling a new Radio Shack Power Amplifier. Perfect for mobile and
>> >stationary use. Catl. No. 19-1122. Some Features:
>> >
>> >o 30 watts output
>> >o Low Noise GaAs Field Effect Transister (FET) pre-amp
>> >o Accepts 0.5-5 watts input
>> >o Double Tuned Helical Band Pass Filter cuts intermodulation
>> >   distortion - This is a must
>> >o 13.8 Volts Direct Current

>> >
>> >Originally, I purchased 2 amplifiers for 2 cars and only used one. This
>one
>> >is brand new, Never Used

e-mail
Charlie
w1cmf@amsat.org

From 7392325895747488887
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6d1ca349717017bf
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,6d1ca349717017bf
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,6d1ca349717017bf
X-Google-Attributes: gidfa029,public
X-Google-Thread: fc2a5,6d1ca349717017bf
X-Google-Attributes: gidfc2a5,public
From: "Mal Alexander" <malexand2@fastlink.com.au>
Subject: Re: Motorola Spectra Scan Ques. - Limitations
Date: 1998/04/14
Message-ID: <6gu7da$58u@inferno.mpx.com.au>#1/1
X-Deja-AN: 343752650
References: <6dmgtu$h90$1@nnrp2.crl.com> <6doa2u$7jh$1@gte2.gte.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: Microplex Pty Ltd
Newsgroups: alt.radio.scanner,rec.ham-
radio,rec.radio.amateur.homebrew,rec.radio.scanner

The 16 channel limitation is is most Motorola radios - I am familiar with
the MCS-2000, it has the same <problem> but pay attention to Keith, below,
he has a point.

Keith Christensen wrote in message <6doa2u$7jh$1@gte2.gte.net>...
>You have to remember that this is a _REAL_ WORLD_ 2_way_ radio, not a
>scanner as such! If you are a working radio user, be it public safety-taxi
>driver-lineman-delivery driver- et al.... can you do your primary job AND
>monitor more than 16 separate channels at the same time?

>Dr. Radio wrote in message <6dmgtu$h90$1@nnrp2.crl.com>...
>|I have a UHF A5 Spectra and although the unit has 128 possible modes,
>|apparently, you can only have 16 channels at a time defined in the scan
>|list....major problem.   If one sets up zones, then you can have 16 per
>|zone, but only one zone can be scanned at a time.

From -7214615218490094560
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,78fb6ee166efbb03
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,78fb6ee166efbb03
X-Google-Attributes: gid108122,public
X-Google-Thread: 105955,78fb6ee166efbb03
X-Google-Attributes: gid105955,public
X-Google-Thread: 114671,78fb6ee166efbb03
X-Google-Attributes: gid114671,public
X-Google-Thread: fa656,78fb6ee166efbb03
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,78fb6ee166efbb03
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,78fb6ee166efbb03
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1031c8,78fb6ee166efbb03
X-Google-Attributes: gid1031c8,public
From: Tamarack Greenman <tamarack@cei.net>
Subject: Re: FS IC-706
Date: 1998/04/15
Message-ID: <35350843.95129101@cei.net>#1/1
X-Deja-AN: 344398236
Content-Transfer-Encoding: 7bit
References: <TaBX.30$mo5.489565@reader1.cleveland.iagnet.net>
<6gsrmb$i5q$1@quasar.apana.org.au>
Content-Type: text/plain; charset=us-ascii
Organization: Trees Caring for Humanity
Mime-Version: 1.0
Newsgroups: att.ham-radio,aus.radio.amateur.misc,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

Paul Love wrote:
<snippes>

> Why do yanks keep cross-posting advertisements in aus.amateur.groups ??
> --
> O-------- Paul-D.-Love --O
> O-------- Email-pdlove@quasar.apana.org.au----------------------O
> O-------- Email-vk4xd@quasar.apana.org.au-----------------------O
> O-------- AMATEUR-RADIO-OPERATOR--VK4XD---ICQ-8869291-----------O

Caues we figure that even the hams down under sometimes spend money on radios. I know I have send stuff there....

tam

From -3050843892966150267
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6d1ca349717017bf
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,6d1ca349717017bf
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,6d1ca349717017bf
X-Google-Attributes: gidfa029,public
X-Google-Thread: fc2a5,6d1ca349717017bf
X-Google-Attributes: gidfc2a5,public
From: John Lidstrom <jlidstrom@accessone.com>
Subject: Re: Motorola Spectra Scan Ques. - Limitations
Date: 1998/04/15
Message-ID: <35355144.43E41BA3@accessone.com>#1/1
X-Deja-AN: 344494958
Content-Transfer-Encoding: 7bit
References: <6dmgtu$h90$1@nnrp2.crl.com> <6doa2u$7jh$1@gte2.gte.net> <6gu7da$58u@inferno.mpx.com.au>
Mime-Version: 1.0
Reply-To: jlidstrom@accessone
Content-Type: text/plain; charset=us-ascii
Organization: LidstromData Services
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.amateur.homebrew,rec.radio.scanner

the limitations only apply to "operator select" scanning. If you set your scan groups using the
motorola program as "mode slaved", you can have a different set of 16 scanned modes for each
of the 128 available modes in the radio. It requires a lot of forethought, but does open the range of
scannable modes to 128 X 16 (ok, less a bit of fiddling around).
John

Mal Alexander wrote:

> The 16 channel limitation is is most Motorola radios - I am familiar with
> the MCS-2000, it has the same <problem> but pay attention to Keith, below,
> he has a point.
>
> Keith Christensen wrote in message <6doa2u$7jh$1@gte2.gte.net>...
> >You have to remember that this is a _REAL_ WORLD_ 2_way_ radio, not a
> >scanner as such! If you are a working radio user, be it public safety-taxi
> >driver-lineman-delivery driver- et al.... can you do your primary job AND
> >monitor more than 16 separate channels at the same time?
>
> >Dr. Radio wrote in message <6dmgtu$h90$1@nnrp2.crl.com>...
> >|I have a UHF A5 Spectra and although the unit has 128 possible modes,
> >|apparently, you can only have 16 channels at a time defined in the scan

> >|list....major problem.   If one sets up zones, then you can have 16 per
> >|zone, but only one zone can be scanned at a time.

From 529684487224871250
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,78fb6ee166efbb03
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,78fb6ee166efbb03
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,78fb6ee166efbb03
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 107ada,78fb6ee166efbb03
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114671,78fb6ee166efbb03
X-Google-Attributes: gid114671,public
X-Google-Thread: fa656,78fb6ee166efbb03
X-Google-Attributes: gidfa656,public
X-Google-Thread: 105955,78fb6ee166efbb03
X-Google-Attributes: gid105955,public
X-Google-Thread: f76e2,78fb6ee166efbb03
X-Google-Attributes: gidf76e2,public
From: petez69@yahoo.com (Pete - VK2YX)
Subject: Re: FS IC-706
Date: 1998/04/16
Message-ID: <3535deb7.11963781@news.stl.dec.com>#1/1
X-Deja-AN: 344644061
Content-Transfer-Encoding: 7bit
References: <TaBX.30$mo5.489565@reader1.cleveland.iagnet.net>
<6gsrmb$i5q$1@quasar.apana.org.au> <35350843.95129101@cei.net>
Content-Type: text/plain; charset=us-ascii
Organization: Digital Equipment Corporation, Palo Alto, CA, USA
Mime-Version: 1.0
Newsgroups: att.ham-radio,aus.radio.amateur.misc,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

Well I wonder if our American friends think we are dumb. Well I was surprised that when I decided to send out a followup usenet message, I was asked if I want to send it to all 9, yes all 9 usenet groups that the original message was sent to..

You'd think that these people would work out that USENET has groups to place relative information and you don't have to SPAM 18,000 groups to get a message across.

If I wanted a flaming RADIO FROM THE US, I would check out the REC radio newsgroups. YANKS, don't treat the world like idiots because we

can search usenet ourselves and we do appreciate that you just don't
want us to miss such an incredible offer !

Pete..vk2yx

On Wed, 15 Apr 1998 14:19:31 -0500, Tamarack Greenman
<tamarack@cei.net> wrote:

>Paul Love wrote:
><snippes>
>
>> Why do yanks keep cross-posting advertisements in aus.amateur.groups ??
>> --
>> O-------- Paul-D.-Love ---------------------------------------O
>> O-------- Email-pdlove@quasar.apana.org.au---------------------O
>> O-------- Email-vk4xd@quasar.apana.org.au----------------------O
>> O-------- AMATEUR-RADIO-OPERATOR--VK4XD---ICQ-8869291-----------O
>
> Caues we figure that even the hams down under sometimes spend money on
>radios. I know I have send stuff there....
>
>tam

From -8815457833982012681
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,78fb6ee166efbb03
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114671,78fb6ee166efbb03
X-Google-Attributes: gid114671,public
X-Google-Thread: 107ada,78fb6ee166efbb03
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,78fb6ee166efbb03
X-Google-Attributes: gid108122,public
X-Google-Thread: 105955,78fb6ee166efbb03
X-Google-Attributes: gid105955,public
X-Google-Thread: fa656,78fb6ee166efbb03
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,78fb6ee166efbb03
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,78fb6ee166efbb03
X-Google-Attributes: gidf76e2,public
From: Murray Kelly <mkelly@powerup.com.au>
Subject: Re: FS IC-706
Date: 1998/04/18
Message-ID: <35377E4C.1510@powerup.com.au>#1/1
X-Deja-AN: 345069455
Content-Transfer-Encoding: 7bit
References: <TaBX.30$mo5.489565@reader1.cleveland.iagnet.net>
<6gsrmb$i5q$1@quasar.apana.org.au> <35350843.95129101@cei.net>
<3535deb7.11963781@news.stl.dec.com>

```
Content-Type: text/plain; charset=us-ascii
Organization: M P Kelly (Med) P/L
Mime-Version: 1.0
Reply-To: mkelly@powerup.com.au
Newsgroups: att.ham-radio,aus.radio.amateur.misc,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,re
c.radio.amateur.swap,rec.radio.swap


Pete - you have wasted more bandwidth than the original post.
Please shut up.

Pete - VK2YX wrote:
>
> Well I wonder if our American friends think we are dumb.  Well I was
> surprised that when I decided to send out a followup usenet message, I
> was asked if I want to send it to all 9, yes all 9 usenet groups that
> the original message was sent to..

******************************************************************
*        Murray Kelly vk4aok      mkelly@powerup.com.au          *
*      29 Molonga Ter. / Graceville/ QLD. 4075/ Australia        *
*                   ph/fax Intl+ 61 7 3379 3307                  *
******************************************************************



From -4365249963237083300
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 108228,c04a3fa6502741aa
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,c04a3fa6502741aa
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,c04a3fa6502741aa
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb049,c04a3fa6502741aa
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1109af,c04a3fa6502741aa
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,c04a3fa6502741aa
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,c04a3fa6502741aa
X-Google-Attributes: gid1031c8,public
From: ICQ QuestionMaster <icquestions@hotmail.com>
Subject: Montreal Hamfest
Date: 1998/04/18
Message-ID: <35382F8D.1CDE9127@hotmail.com>#1/1
X-Deja-AN: 345261700
Content-Transfer-Encoding: 8bit
References: <352FE0B3.D853EBBE@rac.ca>
MIME-Version: 1.0
NNTP-Posting-Date: Sat, 18 Apr 1998 00:44:27 EST
Content-Type: text/plain; charset=iso-8859-1
```

Organization: The Rogerdidit Group http://www.rogerdidit.com/
Newsgroups: alt.ham-radio.vhf-uhf,alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.swap,rec.radio.amateur,rec.radio.swap

WEST-ISLAND AMATEUR RADIO CLUB AUCTION AND FLEA MARKET

WHEN: Saturday May 9th, 1998
Opens 7h30am for vendors
General admission at 8h30am
Auction at 9h30am
WHERE: Ste-Suzanne Church
9501 Gouin Blvd West, Pierrefonds
Qu�bec, Canada
ADMISSION: $5, free if under 12 years
TABLES: $15, includes one entry, for reservations
E-mailto:ve2cwi@rac.ca

There will be radio related door prizes.
There will be a raffle of a Kenwood TH-235A from Atlantic Ham Radio

For information:
E-mailto:ve2cwi@rac.ca
or visit the club website at: http://www.pubnix.net/wiarc

Talk-in starts at 7h00 on VE2RWI 146.910- and 443.050+
Food and drinks available on the premises

Auction details:
Items sold for less than $2, 100% of sale to WIARC
Items sold between $2 and less than $5, 50% to WIARC
Items $5 and over, 10% to WIARC

Come and join us for the fun!

WEST-ISLAND AMATEUR RADIO CLUB ENCAN ET MARCH� AUX PUCES

QUAND: Samedi le 9 mai 1998
Ouvert � 7h30 pour les vendeurs
Admission g�n�rale � 8h30
Encan � 9h30
O�: �glise Ste-Suzanne
9501 Boul Gouin O., Pierrefonds
Qu�bec, Canada
ADMISSION: $5, gratuit pour les moins de 12 ans
TABLES: $15, pour r�servations E-mailto:ve2cwi@rac.ca

Il y aura des prix de pr�sence reli�s � la radio.
Il y aura tirage d'un portatif Kenwood TH-235A de Atlantic Ham Radio

Pour information contactez:

E-mailto:ve2cwi@rac.ca
Ou visitez le page web du club � http://www.pubnix.net/wiarc

Auto-guidage commen�ant � 7h00 sur VE2RWI 146.910- et 443.050+
Nourriture et breuvages disponible sur le site

D�tails de l'encan:
Items vendus pour moins de $2, 100% remis au WIARC
Items vendus entre $2 et moins que $5, 50% remis au WIARC
Items vendus $5 et plus, 10% remis au WIARC

Venez vous amuser!

From 6343610093457931799
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c161880a55cf7fed,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb6c1,c161880a55cf7fed,start
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: f64c6,c161880a55cf7fed,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 114cd0,c161880a55cf7fed,start
X-Google-Attributes: gid114cd0,public
X-Google-Thread: fa656,c161880a55cf7fed,start
X-Google-Attributes: gidfa656,public
From: "H.P. Vermeulen" <PE1RVK@_VRZA.ORG>
Subject: SEE ME, FEEL ME, TOUCH ME..
Date: 1998/04/21
Message-ID: <6hghh0$r0p$1@news.worldonline.nl>#1/1
X-Deja-AN: 346114256
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
Organization: Ordina
Newsgroups: nl.radio.amateur,rec.ham-radio,rec.radio.amateur,slac.rec.ham_radio,uk.radio.amateur

Hey.. HAM-SURFER.. you're surfing and got no place to go?..

Check the pages of Dutch Radio Amateur PE1RVK. Lot's of nice info, some pictures, some questions (HELP!) and FREE Ham-Ads (for Europe). Just starting the site but I'm very curious about your feedback. Just a nice site to browse around.

http://home.worldonline.nl/~pvermeul
OR
http://huizen.dds.nl/~pe1rvk

The pages are identical at both addresses, sometimes one's faster than the other, check it out. By the way, there are NO FRAMES, NO JAVA APPLETS, NO MOVIES, NO SOUNDS !! Just colorful text and some lo-size pictures, you can see it with *ANY* browser and it doesn't take ages to load!

Planning: for-idiots-like-myself-PE1RVK-pages (simple technical projects), simple PCB layouts (help me Wim "EIK"!), FAQ.

Goal: want to become an interactive meetingpoint for Europe. ANY meaningfull info YOU want to be published on the site will be there.. so drop me a line at PE1RVK@VRZA.ORG

--
! PSE REMOVE UNDERSCORE FROM MAIL ADDRESS WHEN REPLYING !

```
From 3398281765875890423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55e277d89e95740a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,55e277d89e95740a,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb049,55e277d89e95740a,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 107ada,55e277d89e95740a,start
X-Google-Attributes: gid107ada,public
From: "Bob - KE4JCD" <ke4jcd@bigfoot.com>
Subject: The Magic Of Amateur Radio - http://www.gate.net/~ke4jcd
Date: 1998/04/21
Message-ID: <01bd6cd7$24a985e0$1431e3c7@ke4jcd>#1/1
X-Deja-AN: 346183058
Content-Transfer-Encoding: quoted-printable
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Organization: The Magic Of Amateur Radio Web Site
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.misc
```

For complete information on this fine hobby - Amateur Radio - Check out =
The Magic Of Amateur Radio Web Site! http://www.gate.net/~ke4jcd
--=20

If you have a page that will help out, send all URL's to =
ke4jcd@bigfoot.com=20

--

73's
Bob - KE4JCD
ke4jcd@bigfoot.com
ICQ 9040243

The Magic Of Amateur Radio Web Site
http://www.gate.net/~ke4jcd

From -3355238391902559574
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d8c926ce212420b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,4d8c926ce212420b,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,4d8c926ce212420b,start
X-Google-Attributes: gidfa656,public
From: Wade Massengill <wmasseng@bellsouth.net>
Subject: 80-10 meter vertical antennas...opinions please
Date: 1998/04/21
Message-ID: <353C191A.26CA@bellsouth.net>#1/1
X-Deja-AN: 346191458
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0
NNTP-Posting-Date: Mon, 20 Apr 1998 23:57:10 EST
Reply-To: wmasseng@bellsouth.net
Content-Type: text/plain; charset=us-ascii
Organization: My Computer
Newsgroups: rec.radio.amateur,rec.radio.amateur.misc,rec.ham-radio

Hams...

After a long absence from HF I have fired up the HW-101 (I said LONG absence 8^)) and the thing cracked and zapped and spit at me. But I fixed it with some black vinyl tape. (ain't tubes wonderful?)

Having the rig operational again I am thinking of putting up a 80-10 meter vertical.

What's out there, what works, what would you do over again if you had the chance?

Discussion, please.

Wade
KU4OJ

From -4121635930042254996
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d8c926ce212420b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,4d8c926ce212420b

X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,4d8c926ce212420b
X-Google-Attributes: gidfa656,public
From: w4nti@cannet.com
Subject: Re: 80-10 meter vertical antennas...opinions please
Date: 1998/04/21
Message-ID: <6hj0ub$lh0$1@nnrp1.dejanews.com>#1/1
X-Deja-AN: 346395162
References: <353C191A.26CA@bellsouth.net>
X-Http-User-Agent: Mozilla/4.0 (compatible; MSIE 4.01; Windows 95)
Organization: Deja News - The Leader in Internet Discussion
X-Article-Creation-Date: Tue Apr 21 20:52:27 1998 GMT
Newsgroups: rec.radio.amateur,rec.radio.amateur.misc,rec.ham-radio

In article <353C191A.26CA@bellsouth.net>,
wmasseng@bellsouth.net wrote:
>
> Hams...
>
> After a long absence from HF I have fired up the HW-101
> (I said LONG absence 8^)) and the thing cracked and
> zapped and spit at me. But I fixed it with some black
> vinyl tape. (ain't tubes wonderful?)
>
> Having the rig operational again I am thinking of putting
> up a 80-10 meter vertical.
>
> What's out there, what works, what would you do over
> again if you had the chance?
>
> Discussion, please.
>
> Wade
> KU4OJ
>
As you probably already know, a vertical (short) is a severe compromise on 80
especially. Id recommend saving ur money and just hang a wire for that band.
As for the others I hightly recommend GAP verticals. Good mechanically and
an excellent performer.
Dan/W4NTI

-----== Posted via Deja News, The Leader in Internet Discussion ==-----
http://www.dejanews.com/   Now offering spam-free web-based newsreading

From -9143935653754751346
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,de827b01fa997cf5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,de827b01fa997cf5,start

```
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,de827b01fa997cf5,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: f76e2,de827b01fa997cf5,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,de827b01fa997cf5,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fc2a5,de827b01fa997cf5,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fc8b1,de827b01fa997cf5,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fcc6e,de827b01fa997cf5,start
X-Google-Attributes: gidfcc6e,public
From: Beth Kaiser <ederinger@iop.com>
Subject: Great new Amateur Radio WEB Page
Date: 1998/04/22
Message-ID: <353E833B.F056B798@iop.com>#1/1
X-Deja-AN: 346808087
Content-Type: multipart/alternative;
boundary="------------8283BFFF12D5916C7EDB9B83"
X-Complaints-To: newsabuse@supernews.com
X-Trace: 893235548 VRL06/YYIB65CCE14C e4000.supernews.com
Organization: All USENET -- http://www.Supernews.com
Mime-Version: 1.0
Reply-To: ederinger@iop.com
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amate
ur.dx,rec.radio.amateur.homebrew,rec.radio.amateur.swap,rec.radio.amateur.equipmen
t



--------------8283BFFF12D5916C7EDB9B83
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Come by and say hello.  New ham radio web page.

 Amateur Radio KX2S
 http://www.qsl.net/kx2s

Pix of old ham gear.   Some nice ham links.  Complete Ham Radio WEB RING
Page.
73 Ed

--------------8283BFFF12D5916C7EDB9B83
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<HTML>
Come by and say hello.&nbsp; New ham radio web page.
<BR>&nbsp;
<BR>&nbsp;<A HREF="http://www.qsl.net/kx2s">Amateur Radio KX2S</A>
```

<BR> <A HREF="http://www.qsl.net/kx2s">http://www.qsl.net/kx2s</A>

<P>Pix of old ham gear.   Some nice ham links. Complete
Ham Radio WEB RING Page.
<BR>73 Ed</HTML>

--------------8283BFFF12D5916C7EDB9B83--

From 2024603978940085616
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,56d677beacbef3d,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,56d677beacbef3d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f8110,56d677beacbef3d,start
X-Google-Attributes: gidf8110,public
X-Google-Thread: 108122,56d677beacbef3d,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,56d677beacbef3d,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc2a5,56d677beacbef3d,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fb6c1,56d677beacbef3d,start
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: fa656,56d677beacbef3d,start
X-Google-Attributes: gidfa656,public
From: "H.P. Vermeulen" <PE1_RVK@VRZA.ORG>
Subject: !! BIAS ELECTRONICS VHF 160 INFO/HELP !!
Date: 1998/04/23
Message-ID: <6hlpf6$6e0$1@news.worldonline.nl>#1/1
X-Deja-AN: 346778447
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
Organization: Ordina
Newsgroups: alt.ham-radio.marketplace,japan.ham-radio,nl.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

I desperately need some info (schematic layout, manufacturer) about a Ham Radio 2m VHF linear amp: Brand=Bias Electronics (urbania, Italy), Model=VHF 160

It's a black metal box with cooling frame on top, One switch (middle position off, down=SSB, up=FM) on front right, and two red LED's on the left ("on" and "tx"). There a double side PCB inside that looks a bit "home-brew" (maybe it's a KIT???).

The amp is based on a MRF 245 that should be able to do 250 watts (absolute max). 160 watts (see model) will probably what it's supposed to give me. It's doing now only 50 watts and switching (the relais) and vox is not working properly. While it looks quite simple on the inside, I'd like to give it a go and let the thing do it's normal job (QRO!).

For Dutch HAM's: Ik heb 'm gekocht van PA3FRD (Friesland?) uit nalatenschap van PA3EQU (silent key) op de markt in Meppel 1997. Misschien is daar nog wat info te vinden?

CAN ANYONE HELP PSE? PSE EMAIL TO: PE1RVK@VRZA.ORG

Tnx very much de PE1RVK (JO21WT)

--
! PSE REMOVE UNDERSCORE FROM MAIL ADDRESS WHEN REPLYING !

```
From 7490438556478897616
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d8c926ce212420b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,4d8c926ce212420b
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,4d8c926ce212420b
X-Google-Attributes: gidfa656,public
From: Jeff <ac4aq@gte.net>
Subject: Re: 80-10 meter vertical antennas...opinions please
Date: 1998/04/23
Message-ID: <6hmibp$h74$1@gte1.gte.net>#1/1
X-Deja-AN: 346879955
Content-Transfer-Encoding: 7bit
References: <353C191A.26CA@bellsouth.net>
Mime-Version: 1.0
Reply-To: ac4aq@gteSPAM.net
Content-Type: text/plain; charset=us-ascii
Organization: M.P.C.
X-Auth: D70BD90813D084C817948491
Newsgroups: rec.radio.amateur,rec.radio.amateur.misc,rec.ham-radio
```

Wade Massengill wrote:
>
> Hams...
>
> After a long absence from HF I have fired up the HW-101
> (I said LONG absence 8^)) and the thing cracked and
> zapped and spit at me. But I fixed it with some black
> vinyl tape. (ain't tubes wonderful?)
>
> Having the rig operational again I am thinking of putting
> up a 80-10 meter vertical.
>

> What's out there, what works, what would you do over
> again if you had the chance?
>
> Discussion, please.
>
> Wade
> KU4OJ

A vertical is an excellent choice for 80 meter DX but isn't all that great for short-haul work, such as a state-wide net. They can be built for relatively low cost and don't take up a great deal of acreage.

A good ground screen is essential for high transmitting efficiency, especially for a loaded (shorter than 1/4 wave) vertical. As a rule of thumb, you should put twice as much "sweat equity" into your ground system as the antenna itself.

I recommend avoiding commercially manufactured verticals due to their high price and "do all bands" design philosophy. There are a number of dealers (among them, Texas Towers) will sell aluminum tubing in variety of sizes. From one of these dealers, you could purchase enough tubing to make a full-size (1/4 wave) vertical at a lower cost than a short commercially made antenna. Tubing is available in sizes such that the OD of one size is slightly smaller than the ID of the next bigger size, which allows a telescoping or collapsible design.

If you decide to use a shortened antenna, place the loading coil about 1/3 of the way from the top, and use a capacitive hat. Also, solder all of the radial wires together, as it is desirable to maintain high conductance near the base and use aluminum anti-corrosion grease on all mechanical connections.

Good luck and good DX,

jEFF

From -2128283939707608188
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,a6cab3aaf2eef9cb,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,a6cab3aaf2eef9cb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a6cab3aaf2eef9cb,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,a6cab3aaf2eef9cb,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,a6cab3aaf2eef9cb,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 107ada,a6cab3aaf2eef9cb,start
X-Google-Attributes: gid107ada,public

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X-Google-Thread: fdbb7,a6cab3aaf2eef9cb,start
X-Google-Attributes: gidfdbb7,public
X-Google-Thread: f76e2,a6cab3aaf2eef9cb,start
X-Google-Attributes: gidf76e2,public
From: "Somebody@home.com" <Somebody@home.com>
Subject: FS:A few item for sale
Date: 1998/04/23
Message-ID: <353F8BA9.975B5830@home.com>#1/1
X-Deja-AN: 347055375
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
X-Trace: 23 Apr 1998 18:41:24 -0600, 209.144.4.32
Newsgroups: rec.ham-
radio.swap,rec.radio.amateur.swap,rec.radio.amateur.equipment,rec.radio.swap,alt.h
am-radio.marketplace,alt.radio.amateur.club.clarc,rec.ham-
radio,rec.radio.amateur.misc
```

The following is a list of radio gear that I am offering for sale. All equipment is being made available on a first come, first serve, basis. E-mail offer to me, and all reasonable offers will get a reply if the item is still available.

Icom 706 with remote cable and mounting bracket for face

SG-231 SmartTuner - antennr coupler 1.8 to 60 MHz.

SOLDKenwood TM331A 220 MHz mobile radio. Excellent shape. No bracket or manual.

Yaesu Vertex 2011 commerical VHF radio - Brand new condition
Yaesu Vertex 7011 commerical UHF radio - Excellent condition
These radios are based on the Yaesu 2500M chasis. I have the programming cable and software. Each radio has 99 channels that can be placed into 10 groups.

MFJ 1276 packet/pactor tnc - Brand new condition

DX-390 shortwave radio. - Brand new condition

PRO-39 scanner - restored cellular excellent condition

Icom IC-W31A duel band handie talkie with 800 MHz RX includes cellular
3 batteries - Tucker fast charger (incomplete needs cup)

Uniden Bearcat 895XLT - Includes home made computer interface cable and some collected
software. Brand new condition

3 element 6 meter beam

6 meter Ringo Ranger

Buyer is responsible for all packaging costs, handling and shipping charges/expenses.
E-mail your offer to dwc@mallsurfer.com

Donald W. Chapman (N5RVR)

From 8510864078219648782
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2a20432757326e7,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,2a20432757326e7,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,2a20432757326e7,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 115af6,2a20432757326e7,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: f55c2,2a20432757326e7,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fc2a5,2a20432757326e7,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,2a20432757326e7,start
X-Google-Attributes: gidfa656,public
From: "The Crew" <dc@citynet.net>
Subject: Problem with power switch
Date: 1998/04/24
Message-ID: <6hp4mu$v02$1@news.citynet.net>#1/1
X-Deja-AN: 347203834
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: CityNet Corporation
Newsgroups: alt.ham-radio.mods,rec.ham-radio,rec.radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

Ok, this is kinda stupid, but.....   Have a friend with dual band radio, remote head. Not sure, but think it's an Alinco (about 8 yrs old) if not, it's kenwood, either way, this should be a generic question. Concerning the 'new' push and hold for what I suppose is relayed power on/off like most newer radios are, what would make this radio refuse to turn off?? It had to be wired thru ignition switch so it will turn off and on with the vehicle. Radio works perfectly, but it just won't turn off! Ohm meter says the switch itself on the control head is fine. any ideas??
thanks,
Randy

From -5721086384474112172
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a0cc7c860fcdb0f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,5a0cc7c860fcdb0f,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,5a0cc7c860fcdb0f,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb049,5a0cc7c860fcdb0f,start
X-Google-Attributes: gidfb049,public
From: pubnetix@yahoo.com
Subject: FS: 74th Anniversary Edition: RADIO AMATEUR CALL BOOK
Date: 1998/04/24
Message-ID: <6hqi61$o2b$1@nnrp1.dejanews.com>#1/1
X-Deja-AN: 347335354
X-Http-User-Agent: Mozilla/3.01C-SI300A01 (Win16; I)
Organization: Deja News - The Leader in Internet Discussion
X-Article-Creation-Date: Fri Apr 24 17:29:37 1998 GMT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,alt.ham-radio.vhf-uhf

FOR SALE=
RADIO AMATEUR CALL BOOK (FOR USE THROUGHOUT 1996). 74TH Anniversary Edition.
2,112 pages. Over two inches thick, the size of a large metro phone book.
Paperback, 8-1/2 x 11 inch format. Original Cover Price: $35.00.

Selling Price: $15.00, plus shipping (Weighs approx. 5+ pounds)

Note: This is the North American Listings edition, includes Hawaii,
      and U.S. possessions.

Listings of 752,000 licensed radio amateurs, call letter changes,
6 & 10 meter beacon lists, radio amateur prefixes of the world, table
of call sign allocations, DXCC countries list, world census of U.S.
amateur radio licenses, world wide QSL bureaus, plus much more.

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shipment.

Dan Stoicheff
605 Montgomery Street
Laurel, Maryland 20707-4001

One copy only, so hurry, if interested! Thanks.

==
==

-----== Posted via Deja News, The Leader in Internet Discussion ==-----
http://www.dejanews.com/   Now offering spam-free web-based newsreading

From 8280911156165011444
X-Google-Language: Japanese,JIS
X-Google-Thread: 10c9e3,4157f75c34b34ae7,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,4157f75c34b34ae7,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 1109af,4157f75c34b34ae7,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa029,4157f75c34b34ae7,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: fc8b1,4157f75c34b34ae7,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1031c8,4157f75c34b34ae7,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,4157f75c34b34ae7,start
X-Google-Attributes: gidf76e2,public
From: AKIO FUJIKAWA <fujikawa@nk.rim.or.jp>
Subject: Looking for SONY radio CRF-1 CRF-320
Date: 1998/04/25
Message-ID: <3540B598.6B317B44@nk.rim.or.jp>#1/1
X-Deja-AN: 347343637
Content-Transfer-Encoding: 7bit
X-Priority: 3 (Normal)
Mime-Version: 1.0
Reply-To: fujikawa@nk.rim.or.jp
Content-Type: text/plain; charset=iso-2022-jp
Organization: RIMNET
Newsgroups: rec.radio.shortwave,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.swap,rec.radio.scanner,rec.radio.swap

Hello!
I am looking for SONY radio, CRF-1,CRF-320.

Please your information.

AKIO FUJIKAWA
fujikawa@nk.rim.or.jp

--

AKIO FUJIKAWA...JG3GOG

50,Nishino Yousumi-cho,
Yamashina-ku,KYOTO,
607-8342 JAPAN

G.L...PM74VX

TEL/FAX...81-075-581-5669
E-MAIL...fujikawa@nk.rim.or.jp

$B!!(J

From -6246444461696528310
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a9d42ef0cf96bac,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,1a9d42ef0cf96bac,start
X-Google-Attributes: gid107ada,public
From: "Radimus" <radimus@paonline.com>
Subject: Packet on a Palmtop Computer
Date: 1998/04/25
Message-ID: <35420e7d.0@news3.paonline.com>#1/1
X-Deja-AN: 347603220
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Newsgroups: rec.ham-radio,rec.radio.amateur.misc

I am seeking advice on how I might use my Sharp Zaurus ZR5800 as a VHF/UHF packet terminal. The Zaurus has an RS232 compaitble serial port and a terminal emulator program the can handle TTY and VT100 emulations. I don't know very much about TNC's. Would it be possible to use a TNC or Baypac modem with the terminal emulator in my Zaurus? Thanks for you time.

Conrad Weiser
N3XNV

From -1967794331339462513
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10aaeb,34d104294fe9ebbe,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 108122,34d104294fe9ebbe,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,34d104294fe9ebbe,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,34d104294fe9ebbe,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,34d104294fe9ebbe,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f5845,34d104294fe9ebbe,start
X-Google-Attributes: gidf5845,public
From: "J. Daniel Bell, Jr." <kc4oxp@flash.net>
Subject: FS:IC-T22A
Date: 1998/02/17

Message-ID: <6cdlmu$ddn$1@excalibur.flash.net>#1/1
X-Deja-AN: 326087250
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: Flashnet Communications, http://www.flash.net
Newsgroups: alabama.birmingham.radio.amateur,rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap,tnn.radio.amateur

Icom IC-T22A 2 meter ht for sale all mods performed. Radio in excellent
cosmetic condition, comes with battery , wart charger, beltclip, and case.
First $180 plus shipping gets it.

73 Daniel KC4OXP
kc4oxp@flash.net

--
J. Daniel Bell, Jr. KC4OXP
$13.95/Month* Internet Service
Independent FlashNet Distributor
http://www.flash.net/~kc4oxp/index.html
*One Year PrePaid @ $167.40 Other Plans Available!

```
begin 666 Daniel Bell, Jr..vcf
M0D5'24XZ5D-!4D0-"E9%4E-)3TXZ,BXQ#0I..D1A;FEE;"!"96QL.TIR+@T*
M1DXZ1&%N:65L($)E;&PL($IR+@T*3U)'.D-O;7!L971E($-O;7!U=&5R(%1R
M86EN:6YG#0I4251,13I0<F5S:61E;G0O3W=N97(-"E1%3#M73U)+.U9/24-%
M.C<W,"TX-C<M-3$U-@T*0412.U=/4DLZ.S<W,"TX-C<M-3$U-CL[5VEN9&5R
M.T=E;W)G:6$$-"DQ!0D5,.U=/4DL[14Y#3T1)3D<]455/5$5$+5!224Y404),
M13HW-S M.#8W+34Q-38],$0],$%7:6YD97(L($=E;W)G:6$$-"E523#IH='1P
M.B\O=W=W+F9L87-H+FYE="]^:V,T;WAP+VEN9&5X+FAT;6P-"D5-04E,.U!2
M148[24Y415).150Z:V,T;WAP0&9L87-H+FYE= T*4D56.C$Y.3@P,C$X5# S
2-#@S,EH-"D5.1#I60T%21 T*
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end
end
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From 4497535319051757843
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,973618913603c71f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5845,973618913603c71f,start
X-Google-Attributes: gidf5845,public
X-Google-Thread: 108122,973618913603c71f,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,973618913603c71f,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 10aaeb,973618913603c71f,start

X-Google-Attributes: gid10aaeb,public
X-Google-Thread: fa656,973618913603c71f,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,973618913603c71f,start
X-Google-Attributes: gid1031c8,public
From: "J. Daniel Bell, Jr." <kc4oxp@flash.net>
Subject: WTB:SM-220
Date: 1998/02/18
Message-ID: <6ceng5$js2$1@excalibur.flash.net>#1/1
X-Deja-AN: 326209314
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: Flashnet Communications, http://www.flash.net
Newsgroups: alabama.birmingham.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap,tnn.radio.amateur

Wanted SM-220 With Pan Adapter (BS-8). Best deal gets my money! Side note here - I have a FT-50R that I would be willing to trade for the SM-220 if your interested. Excellent condition, includes 5 watt battery and battery case for 2 AA batteries.

E-mail with price and condition.

73 Daniel KC4OXP
kc4oxp@flash.net

--
J. Daniel Bell, Jr. KC4OXP
$13.95/Month* Internet Service
Independent FlashNet Distributor
http://www.flash.net/~kc4oxp/index.html
*One Year PrePaid @ $167.40 Other Plans Available!

```
begin 666 Daniel Bell, Jr..vcf
M0D5'24XZ5D-!4D0-"E9%4E-)3TXZ,BXQ#0I..D1A;FEE;"!"96QL.TIR+@T*
M1DXZ1&%N:65L($)E;&PL($IR+@T*3U)'.D-O;7!L971E($-O;7!U=&5R(%1R
M86EN:6YG#0I4251,13I0<F5S:61E;G0O3W=N97(-"E1%3#M73U)+.U9/24-%
M.C<W,"TX-C<M-3$U-@T*0412.U=/4DLZ.S<W,"TX-C<M-3$U-CL[5VEN9&5R
M.T=E;W)G:6$$-"DQ!0D5,.U=/4DL[14Y#3T1)3D<]455/5$5$+5!224Y404),
M13HW-S M.#8W+34Q-38],$0],$%7:6YD97(L($=E;W)G:6$$-"E523#IH='1P
M.B\O=W=W+F9L87-H+FYE="]^:V,T;WAP+VEN9&5X+FAT;6P-"D5-04E,.U!2
M148[24Y415).150Z:V,T;WAP0&9L87-H+FYE= T*4D56.C$Y.3@P,C$X5#$S
2,C4Q,EH-"D5.1#I60T%21 T*
`
end
end
```

From -4012013811281043842
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,94e842e22d337eba,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,94e842e22d337eba,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,94e842e22d337eba,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,94e842e22d337eba,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,94e842e22d337eba,start
X-Google-Attributes: gid1031c8,public
From: "J. Daniel Bell, Jr." <kc4oxp@flash.net>
Subject: FS:TS-940S/AT MINT
Date: 1998/02/21
Message-ID: <6co6u7$5nu$1@excalibur.flash.net>#1/1
X-Deja-AN: 327424751
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: Flashnet Communications, http://www.flash.net
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap

I have a near perfect TS-940S/AT for sale. Includes hand mic, manuals & original boxes (inner & outer). Also included is the SP-940 Speaker, And PC-1A Phone Patch. This radio is a 9.8 on appearance and 10 on performance. I've got 'new radio' fever but I don't 'HAVE' to sell this radio so PLEASE don't waste either of our time with low-ball offers. $1350 (and worth it!). Prefer local sale so I can demo the radio but will ship at your expense.

E-mail if interested
73 Daniel KC4OXP
kc4oxp@flash.net

--
J. Daniel Bell, Jr. KC4OXP
$13.95/Month* Internet Service
Independent FlashNet Distributor
http://www.flash.net/~kc4oxp/index.html
*One Year PrePaid @ $167.40 Other Plans Available!

```
begin 666 Daniel Bell, Jr..vcf
M0D5'24XZ5D-!4D0-"E9%4E-)3TXZ,BXQ#0I..D1A;FEE;"!"96QL.TIR+@T*
M1DXZ1&%N:65L($)E;&PL($IR+@T*3U)'.D-O;7!L971E($-O;7!U=&5R(%1R
M86EN:6YG#0I4251,13I0<F5S:61E;G0O3W=N97(-"E1%3#M73U)+.U9/24-%
M.C<W,"TX-C<M-3$U-@T*0412.U=/4DLZ.S<W,"TX-C<M-3$U-CL[5VEN9&5R
M.T=E;W)G:6$-"DQ!0D5,.U=/4DL[14Y#3T1)3D<]455/5$5$+5!224Y404),
M13HW-S M.#8W+34Q-38],$0],$%7:6YD97(L($=E;W)G:6$-"E523#IH='1P
M.B\O=W=W+F9L87-H+FYE="]^:V,T;WAP+VEN9&5X+FAT;6P-"D5-04E,.U!2
M148[24Y415)).150Z:V,T;WAP0&9L87-H+FYE= T*4D56.C$Y.3@P,C(R5# S
```

```
2-#,U,EH-"D5.1#I60T%21 T*
`
end
end
```

From 2760936487184448943
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2b23647fe53ddc1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b2b23647fe53ddc1,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,b2b23647fe53ddc1,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,b2b23647fe53ddc1,start
X-Google-Attributes: gidf76e2,public
From: "Graham" <not@public.com>
Subject: TH-G71A MOD, I HAVE IT!
Date: 1998/02/23
Message-ID: <34f1f1e1.0@heather.surfsouth.com>#1/1
X-Deja-AN: 327964979
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.equipment,rec.radio.amateur,rec.ham-radio,rec.ham-radio.swap

Hi,

I have the mod for the TH-G71A. The specs are:

AFTER MOD RX Capability:

```
136.000 - 173.995       400.000 - 469.995
320.000 - 399.99375  800.000 - 823.9875
849.000 - 868.9875    894.000 - 949.9875
```

If you want a copy of the mod sheet you can do 1 of 2 things:

Send an SASE to: Graham Crosby
2506 Devon Drive
Albany, GA 31707

OR 2:

Log back on tonight about 9:00 PM. I will scan and post it in BMP format .

73,
Graham
K4XA

"Mr. President, your proctologist called, they found your head."

From 6608653325590393513
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc430de9b038733a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,bc430de9b038733a,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,bc430de9b038733a,start
X-Google-Attributes: gid107ada,public
From: "Cartoony" <Cartoony@bellsouth.net>
Subject: Mods for Standard C510
Date: 1998/02/23
Message-ID: <hFnI.111n6.163210@news1.atl.bellsouth.net>#1/1
X-Deja-AN: 327991490
NNTP-Posting-Date: Mon, 23 Feb 1998 18:31:25 EST
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc

If anyone has mods for the Standard C 510 A, I would appreciate it if you would e-mail them to me. It is a new radio and I don't know if anyone has even tried any mods to this radio or if it IS modifiable.
Thanks, Jamie
KE4SLX

From -3319600921281105878
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,e71af430359754a2,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,e71af430359754a2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,e71af430359754a2,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,e71af430359754a2,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,e71af430359754a2,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,e71af430359754a2,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc2a5,e71af430359754a2,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f76e2,e71af430359754a2,start
X-Google-Attributes: gidf76e2,public
From: bb <bblackburn@puc.edu>

Subject: TH-G71A Mods Now Online.
Date: 1998/02/25
Message-ID: <34F41CF0.DFF115D8@puc.edu>#1/1
X-Deja-AN: 328496334
Content-Transfer-Encoding: 7bit
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Organization: CRL Network Services
Newsgroups:
rec.radio.amateur.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur,rec.ham-radio.swap,rec.ham-radio,alt.ham-radio.marketplace

You can now find the mods for the Kenwood TH-G71A HT, On my site,
http://www.angelfire.com/ca/ke6gwf/
Note; Currently I only have the wide band Receive mods. If any of you have,
or know were I can find, the full Transmit mods, please let me know.
I will post them, as well pictures that I took with the radio apart, as soon as I get them.
Thank you, Ben (KE6GWF)

P.S. I did the receive mods on mine last night, and everything seems to be working all right.
After mod Rx capability.
```
   136.000MHz- 173.995MHz,        400.000MHz-  469.995Mhz
   320.000MHz- 399.99375Mhz,     800.000MHz-  823.9875Mhz
   849.000MHz -868.9875Mhz        894.000MHz-  949.9875MHz
```

From -8809373908772324348
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f90dfcd0550c8419,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,f90dfcd0550c8419,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 1109af,f90dfcd0550c8419,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f5845,f90dfcd0550c8419,start
X-Google-Attributes: gidf5845,public
X-Google-Thread: 1031c8,f90dfcd0550c8419,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,f90dfcd0550c8419,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1156cd,f90dfcd0550c8419,start
X-Google-Attributes: gid1156cd,public
From: "J. Daniel Bell, Jr." <kc4oxp@flash.net>
Subject: FS:IC-T21A
Date: 1998/02/25
Message-ID: <6d2kp0$6p6$1@excalibur.flash.net>#1/1
X-Deja-AN: 328708530

X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: Flashnet Communications, http://www.flash.net
Newsgroups: alabama.birmingham.radio.amateur,atl.forsale,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.swap,rec.radio.swap,tnn.radio.amateur

Super Compact 2M HH W/ 440MHz & Modified for Cellular Receive
Excellent Condition, Modified RX/TX
5 Watt Battery
Carrying Case for Smaller Battery
Charger (14 hour)
Manual
$185 Plus Shipping

Great HT!!

Email kc4oxp@flash.net
73 Daniel KC4OXP

--
J. Daniel Bell, Jr. KC4OXP
$13.95/Month* Internet Service
Independent FlashNet Distributor
http://www.flash.net/~kc4oxp/index.html
*One Year PrePaid @ $167.40 Other Plans Available!

```
begin 666 Daniel Bell, Jr..vcf
M0D5'24XZ5D-!4D0-"E9%4E-)3TXZ,BXQ#0I..D1A;FEE;"!"96QL.TIR+@T*
M1DXZ1&%N:65L($)E;&PL($IR+@T*3U)'.D-O;7!L971E($-O;7!U=&5R(%1R
M86EN:6YG#0I4251,13I0<F5S:61E;G0O3W=N97(-"E1%3#M73U)+.U9/24-%
M.C<W,"TX-C<M-3$U-@T*0412.U=/4DLZ.S<W,"TX-C<M-3$U-CL[5VEN9&5R
M.T=E;W)G:6$$-"DQ!0D5,.U=/4DL[14Y#3T1)3D<]455/5$5$+5!224Y404),
M13HW-S M.#8W+34Q-38],$0],$%7:6YD97(L($=E;W)G:6$$-"E523#IH='1P
M.B\O=W=W+F9L87-H+FYE="]^:V,T;WAP+VEN9&5X+FAT;6P-"D5-04E,.U!2
M148[24Y415).150Z:V,T;WAP0&9L87-H+FYE= T*4D56.C$Y.3@P,C(V5# R
2-#$R,EH-"D5.1#I60T%21 T*
`
end
end
```

From 3960389645739073628
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5d50a7c12e4b72d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b5d50a7c12e4b72d,start
X-Google-Attributes: gid108122,public

X-Google-Thread: 10bf43,b5d50a7c12e4b72d,start
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 1109af,b5d50a7c12e4b72d,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,b5d50a7c12e4b72d,start
X-Google-Attributes: gid107ada,public
From: "Mark Tanner" <mtanner@cinergy.com>
Subject: DB25 Design Criteria
Date: 1998/02/28
Message-ID: <6d9g10$s80$1@news.iquest.net>#1/1
X-Deja-AN: 329485271
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: CINERGY
Newsgroups: rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.swap

I am writing a paper for school and I need the design notes around the manufactuing of a DB25 male connector. Any help would be appreciated.

mtanner@cinergy.com

From -4038453677865936228
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,91485ec99a317919,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,91485ec99a317919,start
X-Google-Attributes: gid107ada,public
From: wd4sgu@prodigy.net
Subject: Excellent condition TH-78A with accessories $350
Date: 1998/03/01
Message-ID: <6dcm34$qsm$1@nnrp1.dejanews.com>#1/1
X-Deja-AN: 329806258
X-Originating-IP-Addr: 204.237.240.16
X-Http-User-Agent: Mozilla/3.0 (Win95; I)
Organization: Deja News - The Leader in Internet Discussion
X-Article-Creation-Date: Sun Mar 01 22:05:48 1998 GMT
Newsgroups: rec.radio.amateur.misc,rec.ham-radio

I have a like-new Kenwood TH-78A with all original equipment (box, manual, antenna, wrist strap, charger, and battery in excellent condition), and the following accessories:

ME-1   200-memory expansion chip (total of 250 memories)

SMC-34	Remote-control programmable speaker/mic with volume control.
SC-35	Soft case for standard batteries
SC-36	Soft case for large batteries
KLF-3	Filtered cigarette lighter power cord.

The radio is opened up for full tx/rx capabilities and crossband repeat. It has seen only minor use, and works superbly. It is the most full-featured dualband ht available, and will give you good service. I have all of the original packaging and documentation for the accessories as well.

Price is $350. Reply here or email me at one of these addresses, after removing NOSPAM-:

NOSPAM-wd4sgu@juno.com
NOSPAM-wd4sgu@prodigy.net

Thanks.

Mike - WD4SGU

-----== Posted via Deja News, The Leader in Internet Discussion ==-----
http://www.dejanews.com/   Now offering spam-free web-based newsreading

From 2476439666807860066
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,98a74a7d132684d0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,98a74a7d132684d0,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,98a74a7d132684d0,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,98a74a7d132684d0,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,98a74a7d132684d0,start
X-Google-Attributes: gid108778,public
From: "James Steven" <jsteven@sirris.com>
Subject: FOR SALE: Yaesu FT-50R Dual Band Handheld (Fully modified)
Date: 1998/03/01
Message-ID: <6dctdo$ijs$1@usenet53.supernews.com>#1/1
X-Deja-AN: 329839488
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.ham-radio.swap,alt.radio.amateur,rec.radio.amateur,rec.radio.amateur.misc

FOR SALE: Yaesu FT-50R Dual Band Handheld (Fully modified)

$225 obo (see what's included free below)

This radio has had the Ultraband mod performed allowing for amazing Rx and Tx ranges, the best of any Yaesu modification.
Visit http://www.yaesu.com/ft50.gif for a picture of this radio.

Features:
-Fully modified!!!
-Great condition, rarely used
-Wide Multi-band Receive for the scanning enthusiasts 76-520, 540-999 MHz (including Cellular)
-3-Selectable Rx modes (AM, FM-Narrow, FM-Standard)
 -Rugged MIL-STD 810 Rated for Shock and Vibration
 -Auto Range Transpond SystemTM (ARTS) uses DCS to automatically poll other stations, indicating if they are within simplex range
 -Digital Coded Squelch (DCS) is used in the commercial industry, DCS provides 113 unique codes in addition to the standard CTCSS tones
 -112 Memory Channels each stores offset, CTCSS/DCS & power level
 -Alpha-Numeric Display up to 4 characters may be used to name each memory channel
 -Digital DC Voltage Display monitors current battery voltage
 -Full 5 Watts of Power Output with 4 selectable power levels
 -Automatic Tone Search (ATS) scans for DCS and CTCSS tones
 -Receive and Transmit Battery Savers built-in
 -ADMS-1C� Windows� PC Programmable (see below)
 -Keyboard and Menu Programming allows for simple FT-50R operation

Included FREE:
-AC Adaptor
-Screen and keypad protector case
-All original documentation, labels, and box (including warrenty)

Also for Sale for use with radio:
-ADMS Software Package (includes cable and software) ($100 obo)
I would suggest this addition to your radio. It allows for the greatest flexibility.

Contact James Steven:
via e-mail jsteven@sirris.com
via telephone (206) 302-7256

From 3580160111138631678
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6d1ca349717017bf,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,6d1ca349717017bf,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fc2a5,6d1ca349717017bf,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa029,6d1ca349717017bf,start
X-Google-Attributes: gidfa029,public

From: "Dr. Radio" <drradio@NOSPAMhotmail.com>
Subject: Motorola Spectra Scan Ques. - Limitations
Date: 1998/03/05
Message-ID: <6dmgtu$h90$1@nnrp2.crl.com>#1/1
X-Deja-AN: 331099618
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
Organization: CRL Network Services
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.amateur.homebrew,rec.radio.scanner

I have a UHF A5 Spectra and although the unit has 128 possible modes, apparently, you can only have 16 channels at a time defined in the scan list....major problem. If one sets up zones, then you can have 16 per zone, but only one zone can be scanned at a time.

Anyone know if the A7 and A9 models have the same limitations?

Mot. glossy spec sheets "forgot" to mention these limitations (an honest mistake????). No other radio I have ever used has such limitations - especially when one pays the price they want for these units.

About ready to go back to my commercial Kenwood equipment...
--
____
The Doctor
DrRadio@NOSPAMhotmail.com
Remove the NOSPAM when replying

From 1588768755903779730
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,cb52a378dc568ab8,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,cb52a378dc568ab8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,cb52a378dc568ab8,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,cb52a378dc568ab8,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,cb52a378dc568ab8,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc2a5,cb52a378dc568ab8,start
X-Google-Attributes: gidfc2a5,public
From: bb <bblackburn@puc.edu>
Subject: Kenwood TH-G71A TX Mods now online!
Date: 1998/03/05
Message-ID: <34FF4D0D.62FF2F93@puc.edu>#1/1
X-Deja-AN: 331258716
To: Jfuentes <jfuentes@sj.bigger.net>, "Tracker557@aol.com" <Tracker557@aol.com>,

```
* <kevlex@worldnet.att.net>, "Jerry A. Davis" <jerry@moonlink.net>
Content-Type: multipart/alternative; boundary="------------
DAD4153F9F95520C4A92DC04"
Organization: CRL Network Services
Mime-Version: 1.0
Newsgroups:
rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.
radio.amateur,rec.ham-radio,alt.ham-radio.marketplace



--------------DAD4153F9F95520C4A92DC04
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You can now find the TX mods for the Kenwood TH-G71A  HT, On my site,
 http://www.angelfire.com/ca/ke6gwf/   (Finally!)
 Ben  (KE6GWF)

P.S. I  did the  mods on mine, and everything seems to be working all right.
After mod TX capability.

    136.000MHz- 173.995MHz,       400.000MHz-  469.995Mhz

RX
   136.000MHz- 173.995MHz, 400.000MHz-  469.995Mh
   320.000MHz- 399.99375Mhz,     800.000MHz-  823.9875Mhz
   849.000MHz -868.9875Mhz        894.000MHz-  949.9875MHz



--------------DAD4153F9F95520C4A92DC04
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<HTML>
You can now find the TX mods for the Kenwood TH-G71A&nbsp; HT, On my site,
<BR>&nbsp;<A HREF="http://www.angelfire.com/ca/ke6gwf/">http://www.angelfire.com/
ca/ke6gwf/</A>&nbsp;&nbsp;
(Finally!)
<BR>&nbsp;Ben&nbsp; (KE6GWF)

<P>P.S. I&nbsp; did the&nbsp; mods on mine, and everything seems to be
working all right.
<BR>After mod <B>TX </B>capability.
<BR><B>&nbsp;</B>
<BR><B>&nbsp;&nbsp;&nbsp; 136.000MHz-
173.995MHz,&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
400.000MHz-&nbsp; 469.995Mhz</B>
<BR><B>&nbsp;</B>
<BR><B>RX</B>
<BR>&nbsp;&nbsp; 136.000MHz- 173.995MHz, 400.000MHz-&nbsp; 469.995Mh
<BR>&nbsp;&nbsp; 320.000MHz- 399.99375Mhz,&nbsp;&nbsp;&nbsp;&nbsp; 800.000MHz-
```

```
&nbsp;
823.9875Mhz
<BR>&nbsp;&nbsp; 849.000MHz -868.9875Mhz&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
894.000MHz-&nbsp; 949.9875MHz
<BR>&nbsp;
<BR>&nbsp;</HTML>

--------------DAD4153F9F95520C4A92DC04--
```

```
From 2502967157289900568
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6d1ca349717017bf
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,6d1ca349717017bf
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 1009ad,6d1ca349717017bf
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,6d1ca349717017bf
X-Google-Attributes: gidfa029,public
From: "Keith Christensen" <radiopro@gte.net>
Subject: Re: Motorola Spectra Scan Ques. - Limitations
Date: 1998/03/05
Message-ID: <6doa2u$7jh$1@gte2.gte.net>#1/1
X-Deja-AN: 331339174
Content-Transfer-Encoding: 7bit
References: <6dmgtu$h90$1@nnrp2.crl.com>
Content-Type: text/plain; charset="iso-8859-1"
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3007.0
Organization: gte.net
X-Auth: C4058B085D85D6D84AC88491
Mime-Version: 1.0
Newsgroups: alt.radio.scanner,rec.ham-
radio,rec.radio.amateur.homebrew,rec.radio.scanner
```

You have to remember that this is a _REAL_ WORLD_ 2_way_ radio, not a scanner as such! If you are a working radio user, be it public safety-taxi driver-lineman-delivery driver- et al.... can you do your primary job AND monitor more than 16 separate channels at the same time? I can't! Now if my job is to LISTEN to the radio, I can do maybe 25-50 depending on what the normal traffic is per channel, but I cannot do that well with ONE radio..... there will ALWAYS be a situation that requires "locking" on one channel or more for a reason... and there is NO scan priority system that can ever be dynamic enough to deal with that...!

Sure, maybe the Kenwood can have a bigger scanlist... but see which one you will find in the majority of fire apparatii and patrol cruisers....

--
Keith Christensen .... radiopro@BAMBIgte.net [309093]
(Kill ..(delete..<g>) BAMBI for email.... the spammers are wise to NOSPAM!)

A: Hi Tech is a Pain in the)(!
B: I deal with Fast Electrons,
    call a lineman for problems with the slow ones!

Dr. Radio wrote in message <6dmgtu$h90$1@nnrp2.crl.com>...
|I have a UHF A5 Spectra and although the unit has 128 possible modes,
|apparently, you can only have 16 channels at a time defined in the scan
|list....major problem.   If one sets up zones, then you can have 16 per
|zone, but only one zone can be scanned at a time.
|
|Anyone know if the A7 and A9 models have the same limitations?
|
|Mot. glossy spec sheets "forgot" to mention these limitations (an honest
|mistake????). No other radio I have ever used has such limitations -
|especially when one pays the price they want for these units.
|
|About ready to go back to my commercial Kenwood equipment...
|--
|___________________________
|The Doctor
|DrRadio@NOSPAMhotmail.com
|Remove the NOSPAM when replying
|
|

From 2292412583043489346
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6d1ca349717017bf
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,6d1ca349717017bf
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,6d1ca349717017bf
X-Google-Attributes: gidfa029,public
X-Google-Thread: fc2a5,6d1ca349717017bf
X-Google-Attributes: gidfc2a5,public
From: John Lidstrom <jlidstrom@accessone.com>
Subject: Re: Motorola Spectra Scan Ques. - Limitations
Date: 1998/03/06
Message-ID: <350067A9.6EA84F1D@accessone.com>#1/1
X-Deja-AN: 331512124
Content-Transfer-Encoding: 7bit
References: <6dmgtu$h90$1@nnrp2.crl.com>
Mime-Version: 1.0
Reply-To: jlidstrom@accessone
Content-Type: text/plain; charset=us-ascii
Organization: LidstromData Services

Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.amateur.homebrew,rec.radio.scanner

Spectra radios allow several different types of scanning.First, of course, each frequency needs
to be loaded into a mode location. You then have the following options: operator or mode slaved
scanning. If you set up for operator scanning, you only get sixteen scanable frequencies. If you
set up for mode slaved scanning, EACH MODE gets a different group of 16 scannable frequencies.
Ditto for zones. The A7 and A9 seem to use the same firmware, and vary in power, features,
and control head. Unless you are doing your own programming, which requires a RadioInterfaceBox,
the Spectra.com program from motorola, etc.., using this wonderfully complex two-way as a scanner
is.....well, it's not very....appropriate. Buy a scanner.
sorry. John

Dr. Radio wrote:

> I have a UHF A5 Spectra and although the unit has 128 possible modes,
> apparently, you can only have 16 channels at a time defined in the scan
> list....major problem.   If one sets up zones, then you can have 16 per
> zone, but only one zone can be scanned at a time.
>
> Anyone know if the A7 and A9 models have the same limitations?
>
> Mot. glossy spec sheets "forgot" to mention these limitations (an honest
> mistake????). No other radio I have ever used has such limitations -
> especially when one pays the price they want for these units.
>
> About ready to go back to my commercial Kenwood equipment...
> --
> ___________________________
> The Doctor
> DrRadio@NOSPAMhotmail.com
> Remove the NOSPAM when replying

From -6854271362181166799
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10aaeb,6c50547e171c99db,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 10c9e3,6c50547e171c99db,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,6c50547e171c99db,start

X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,6c50547e171c99db,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1109af,6c50547e171c99db,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1156cd,6c50547e171c99db,start
X-Google-Attributes: gid1156cd,public
From: "J. Daniel Bell KC4OXP" <kc4oxp@flash.net>
Subject: FORSALE/TRADE TS-570D
Date: 1998/03/10
Message-ID: <6e412q$1o3$1@excalibur.flash.net>#1/1
X-Deja-AN: 332701661
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: Flashnet Communications, http://www.flash.net
Newsgroups: alabama.birmingham.radio.amateur,atl.forsale,rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap

Thank to those that have already replied. I have now lowered the price of the NEW TS-570D. I will sell the TS-570D for $1,085.00 + Shipping OR will TRADE for a ICOM IC-756 plus some $$ too boot. If you are interested email me at kc4oxp@flash.net The TS-570D is NEW as of March 07, 1998 FULL ONE YEAR WARRANTY!

73 Daniel KC4OXP

--
J. Daniel Bell, Jr. KC4OXP
$13.95/Month* Internet Service
Independent FlashNet Distributor
http://www.flash.net/~kc4oxp/index.html
*One Year PrePaid @ $167.40 Other Plans Available!

From 2349823223033872363
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c277b67ac576852,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,4c277b67ac576852,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fb049,4c277b67ac576852,start
X-Google-Attributes: gidfb049,public
From: TINY2NZ <tiny2nz@mailhost.nospamjorsm.com>
Subject: MOTO AP50???
Date: 1998/03/12
Message-ID: <3508435F.4620AE4D@mailhost.nospamjorsm.com>#1/1
X-Deja-AN: 333474728
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii

MIME-Version: 1.0
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio,rec.radio.amateur.equipment

Has anybody out there ever heard of a Motorola Radius AP 50 portable???
Is it any good??? any info could help
thanks
Bryan W9ZRO
tiny2nz@jorsm.com

From 403214655000067103
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6c50547e171c99db
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,6c50547e171c99db
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 1109af,6c50547e171c99db
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1156cd,6c50547e171c99db
X-Google-Attributes: gid1156cd,public
X-Google-Thread: 1031c8,6c50547e171c99db
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fe958,cfac62ee796607f2,start
X-Google-Attributes: gidfe958,public
From: "J. Daniel Bell KC4OXP" <kc4oxp@flash.net>
Subject: FORSALE/TRADE TS-570D
Date: 1998/03/12
Message-ID: <6ea618$bq7$1@excalibur.flash.net>#1/1
X-Deja-AN: 333544085
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: Flashnet Communications, http://www.flash.net
Newsgroups:
alabama.birmingham.general,alabama.birmingham.radio.amateur,atl.forsale,rec.ham-radio,rec.radio.amateur.swap,rec.radio.swap

Thanks for reading my message.

Here is what I have -

Kenwood TS-570D *NEW* Bought March 07, 1998 No extra's just a wonderful radio!

ICOM IC-T21A, 2 meter ht, 440 RECEIVE, Excellent condition, manual, wall wart charger, complete history documented on the radio including original bill of sale.

Alinco DR-110 2 meter mobile, extended receive/transmit, even receives 300mhz and 800mhz (cellular included!) Includes mounting bracket, manual.

What I am looking to TRADE FOR, WILL CONSIDER adding a few $$ to trade.

ICOM IC-756
Kenwood TS-870S

Will of course consider CASH OFFERS, all items are in excellent condition.

73 Daniel KC4OXP
email kc4oxp@flash.net

--
J. Daniel Bell, Jr. KC4OXP
$13.95/Month* Internet Service
Independent FlashNet Distributor
http://www.flash.net/~kc4oxp/index.html
*One Year PrePaid @ $167.40 Other Plans Available!

From 2686004942132554494
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c277b67ac576852
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,4c277b67ac576852
X-Google-Attributes: gid108122,public
X-Google-Thread: fb049,4c277b67ac576852
X-Google-Attributes: gidfb049,public
From: Michael May <r39031@email.sps.mot.com>
Subject: Re: MOTO AP50???
Date: 1998/03/13
Message-ID: <350911D2.6C8994B3@email.sps.mot.com>#1/1
X-Deja-AN: 333753475
Content-Transfer-Encoding: 7bit
References: <3508435F.4620AE4D@mailhost.nospamjorsm.com>
Content-Type: text/plain; charset=us-ascii
Organization: Motorola Semiconductor Products Sector
Mime-Version: 1.0
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio,rec.radio.amateur.equipment

Yes it is a fully programmable from the keypad version, IE just like your ham ht, unfortunately the radio can only be set for one CTCSS tone at a time IE it is not programmable by memory, although you can program any of the usual CTCSS tones the radio does not remember the tone by memory channels it only remembers a global tone that applies to all aspects of the radio IE it must be changed by the user if you use different tones for different freq's. The CP50 however is fully programmable from the keypad and this includes the CTCSS tones IE you have the same capability as your standard ham HT.

Mike May
WB8VLC

From -3890175622029611368
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20171ad0787d8ba1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,20171ad0787d8ba1,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1109af,20171ad0787d8ba1,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,20171ad0787d8ba1,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,20171ad0787d8ba1,start
X-Google-Attributes: gidf76e2,public
From: "J. Daniel Bell KC4OXP" <kc4oxp@flash.net>
Subject: Quick Sale Needed IC-T21A
Date: 1998/03/15
Message-ID: <6egrpf$ssk$1@excalibur.flash.net>#1/1
X-Deja-AN: 334265471
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: Flashnet Communications, http://www.flash.net
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.swap,rec.radio.swap

Excellent Condition - 2 meter ht - 440 Receive ONLY - extended receive/transmit, comes with manual, wall charger, and all paperwork even ORIGINAL bill of sale.

Quick sale price $150 PLUS shipping

email KC4OXP@FLASH.NET
73 Daniel KC4OXP

--
J. Daniel Bell, Jr. KC4OXP
$13.95/Month* Internet Service
Independent FlashNet Distributor
http://www.flash.net/~kc4oxp/index.html
*One Year PrePaid @ $167.40 Other Plans Available!

From 1580732295370228897
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,f2b040f7bab8862a,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 115af6,f2b040f7bab8862a,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 10c9e3,f2b040f7bab8862a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,f2b040f7bab8862a,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1031c8,f2b040f7bab8862a,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,f2b040f7bab8862a,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,f2b040f7bab8862a,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f76e2,f2b040f7bab8862a,start
X-Google-Attributes: gidf76e2,public
From: World Express Network <kamikazi@geocities.com>
Subject: New! Press Release - Repeater Location Guide
Date: 1998/03/15
Message-ID: <350CD742.8880EA01@geocities.com>#1/1
X-Deja-AN: 334500889
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.swap

Hello,

Thanks for reading our "Press Release". We are excited to announce the Release of "The Original Southern California Repeater Location Guide". This exciting and most up to date guide available is now on the Net. With the most complete listings of all Open and Closed repeaters for 2-meters, 220 MHz, 440 MHz, 1.2 GHz, 6 & 10 Meters in Southern California, you will see why this guide is one of the most sought after directory available. Find out more at...

http://www.rotd.com/worldxn

Jennifer R
Vice President - World Express Network
http://www.rotd.com/worldxn

From 2761898201418814869
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,923640d6925de3d2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,923640d6925de3d2,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 115af6,923640d6925de3d2,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 1031c8,923640d6925de3d2,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 107ada,923640d6925de3d2,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,923640d6925de3d2,start
X-Google-Attributes: gidf76e2,public
From: World Express Network <kamikazi@geocities.com>
Subject: Ham Radio Directories - Press Release!!
Date: 1998/03/17
Message-ID: <350F356C.D9EA1138@geocities.com>#1/1
X-Deja-AN: 335118967
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.sw
ap
```

Hello,

Thanks for responding to our Press Release. We our excited to announce the all new 1998 line of Ham Radio Repeater Directories. They can be found at...

http://www.rotd.com/worldxn/

These exciting directories are great for Amateurs on the move, or those who would like to take advantage of the many Repeaters in their Area. We encourage you to visit our site and would appreciate any feedback you offer.

Jennifer R
World Express Network
http://www.rotd.com/worldxn/

```
From -8548010214793567315
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,d9ec8a707a8c560f,start
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,d9ec8a707a8c560f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,d9ec8a707a8c560f,start
X-Google-Attributes: gid108122,public
```

X-Google-Thread: 1031c8,d9ec8a707a8c560f,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,d9ec8a707a8c560f,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,d9ec8a707a8c560f,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,d9ec8a707a8c560f,start
X-Google-Attributes: gid1109af,public
From: "Charles Francer" <francer@gis.net>
Subject: FS: Icom Mint Dual Band IC-2350H
Date: 1998/03/19
Message-ID: <01bd52d5$a8212ca0$23d471d1@francer>#1/1
X-Deja-AN: 335440397
Organization: All USENET -- http://www.Supernews.com
Newsgroups: alt.ham-radio.fm,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap

I am forced to sell my ICOM IC2350H Dual Band rig. Never Mobile and purchased less than a year ago. Included are Multi Purpose Remote Mike, Mobile Bracket, Manual, Original Box and warranty. $325 NON-Smoker. Shipped con. US.

Charlie W1CMF

From -6014410132124676381
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d70b4946cd7bcf51,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,d70b4946cd7bcf51,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,d70b4946cd7bcf51,start
X-Google-Attributes: gid107ada,public
From: "Tim" <just4fun@pobox.com>
Subject: Yaesu FT-980
Date: 1998/03/20
Message-ID: <6euhpr$jbg$1@quasar.dimensional.com>#1/1
X-Deja-AN: 336043781
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
Organization: Dimensional Communications
Newsgroups: rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.misc

Greetings all, I recently acquired an FT-980 CAT xcvr. I was wondering if anyone out there knows which (if any) of the available software will work with the Yaesu 232 (FIF232 ??) interface to control a 980. I know it all controls the 1000 series the 990 and assorted other Yaesu's, but none mention the FT-980.
Any info is greatly appreciated, and replys can be sent to me here or preferably by email (tmedlin@dimensional.com).

Thanks in advance and 73,
Tim KB0OGD

From 2717337175529081438
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d63029ce546a2a61,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11480d,d63029ce546a2a61,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,d63029ce546a2a61,start
X-Google-Attributes: gidfa656,public
From: "DavidC" <davidc@bit-net.com>
Subject: Re: Is $1 or one IRC enough for QSL?
Date: 1998/03/21
Message-ID: <01bd5482$13cc9c20$5f8a92d0@davidc.bit-net.com>#1/1
X-Deja-AN: 336172004
References: <3513b078.16239252@news.cris.com>
Organization: BIT-NET
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx

The advice I have always received is to get the right postage, dollars are
too valuable elsewhere and thus highly likely to be stolen.

> Is it still OK to send one dollar or one IRC for a QSL card or has the
> rate gone up? Is it better to buy the foreign stamps and affix them
> to the return SAE? Thanks, John - N2HNT <caylor@concentric.net>

From 2213279782396610312
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d63029ce546a2a61
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11480d,d63029ce546a2a61
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,d63029ce546a2a61
X-Google-Attributes: gidfa656,public
From: Dennis Jacobson <n6ng@sj.bigger.net>
Subject: Re: Is $1 or one IRC enough for QSL?
Date: 1998/03/21
Message-ID: <35140847.6F18@sj.bigger.net>#1/1
X-Deja-AN: 336323055
Content-Transfer-Encoding: 7bit
References: <3513b078.16239252@news.cris.com>
Mime-Version: 1.0
Reply-To: n6ng@sj.bigger.net
Content-Type: text/plain; charset=us-ascii

Organization: InterNex Information Services 1-800-595-3333
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx

My plan depends on how bad I want the card.

1. Desperatly.... Send stamps of the country on the envelope
2. Need it but not badly... Send 1 IRC with SAE
3. Want to take the chance I'll never hear from them again. $1 cash
4. All else via bureau.

Don't use 1 and 3 often and seem to get pretty good returns with item 2.

Good luck... Remember, the anticipation of receiving the card is the best part of QSLing... (At least that is what they say).

Dennis N6NG

--

73... Dennis N6NG   INTERNET: n6ng@sj.bigger.net
Retired: Just another road kill on the Information Highway.

From -652228152512818272
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,203fd3db355972e4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,203fd3db355972e4,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,203fd3db355972e4,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc8b1,203fd3db355972e4,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 108122,203fd3db355972e4,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,203fd3db355972e4,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,203fd3db355972e4,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,203fd3db355972e4,start
X-Google-Attributes: gid1031c8,public
From: "The Crew" <dc@citynet.net>
Subject: FS/FT:Ten-Tec Omni A/accys/$400
Date: 1998/03/22
Message-ID: <6f4hkh$2bs$1@news.citynet.net>#1/1
X-Deja-AN: 336701491
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: CityNet Corporation
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

Hi all,

I have for a friend the following radios:

You may email me or call him at (304) 855-4678.

Ten-Tec Omni A HF rig with matching external VFO, Vintage hand mic :) and operators manual for each item. Radio is solid state with analog dial (NO TUBES!!) Sent to Factory in 1990 for a checkup and tune-up (have documentation on that) Radio was purchased new in 1979 and has worked like a champ. 160-10 meters, 3 cw filters, ssb filter, full break-in QSK. VFO allows rx of 2 freqs. simultaneously, tx/rx from radio or vfo or vice/versa. Also in vfo are 4 crystal slots for fixed channels. runs 100 watts on 12vdc using 16amps for full output! Radio is a 9 out of 10..
PRICE IS $400 SHIPPING INCLUDED.
Will trade for the following:
Prefer solid state radio!!
Yaesu 757GX
Kenwood TS820/TS830/TS530, or similar. (looking for something with DIGITAL DISPLAY, IF SHIFT and NOISE BLANKER) with vfo or speaker or whatever... let me know what u have (excellent condition, please!!)
thanks,
Randy

From -7380294311119442527
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,667746fe3ef445b1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,667746fe3ef445b1,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,667746fe3ef445b1,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,667746fe3ef445b1,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,667746fe3ef445b1,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,667746fe3ef445b1,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,667746fe3ef445b1,start
X-Google-Attributes: gid107ada,public
From: "The Crew" <dc@citynet.net>
Subject: FS/FT: Icom IC-W21AT dualband HT $125
Date: 1998/03/22
Message-ID: <6f4iql$2ts$1@news.citynet.net>#1/1

X-Deja-AN: 336701496
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: CityNet Corporation
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

Hi again,
Have for sale for a friend the following radio:

IC-W21AT handheld dualbander. Includes speaker/mic, veh. power cord, hi and low cap. batteries. HAS INTERMITTENT TX AUDIO PROBLEM.. it transmits fine, but no audio sometimes. Audio cuts out with no rhyme or reason, but we suspect the speaker/mic jack as the culprit. this is the radio with the 'telephone' whisper mode so u can hold radio like handheld cellular phone. it has a mic in the radio and another mic in the battery pack for this purpose. the radio works great with dual in-band rx, cross band retransmit and rx, lots-o-features for Mr. Fix-it. PRICE IS $125 INCLUDING SHIPPING

Will also use this as 'boot' for the other radio trade (see ten tec ad)
will also trade for a 1kw (rated at more than 600 watts) antenna tuner, prefer roller inductor tuner like a MFJ tuner or a Dentron Supertuner.
Wish list: prefer Drake Model MN-2700 tuner.
please email me or call Slade Sowers at (304) 855-4678
thanks,
Randy

From -4530874570278840096
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b9288fa1fd257ea1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b9288fa1fd257ea1,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,b9288fa1fd257ea1,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,b9288fa1fd257ea1,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,b9288fa1fd257ea1,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,b9288fa1fd257ea1,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,b9288fa1fd257ea1,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc8b1,b9288fa1fd257ea1,start
X-Google-Attributes: gidfc8b1,public
From: "The Crew" <dc@citynet.net>
Subject: FS/FT: KENWOOD TS520 HF $200
Date: 1998/03/26

Message-ID: <6feclb$192$1@news.citynet.net>#1/1
X-Deja-AN: 338010216
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: CityNet Corporation
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

I have a TS520 hf rig I would like to sell or trade for a good HT... would like an older dual-band, but will take newer 2m. An MT1000 would be perfect as well (VHF, complete).
  the 520 works great, face in good cond., case fair (cosmetic, no dents)
Will sell outright for $200.
email for details or phone number!
thanks,
Randy

From 2253181324371150963
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16a6307753e3aaaf,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,16a6307753e3aaaf,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 115878,a26e1b4ce8a0a417
X-Google-Attributes: gid115878,public
From: Butch Magee <butchkay@netdoor.com>
Subject: Re: multiple radio transmitters
Date: 1998/03/26
Message-ID: <351AEE94.36ED@netdoor.com>#1/1
X-Deja-AN: 338072775
Content-Transfer-Encoding: 7bit
References: <351B3C70.10BE171D@tuns.ca>
Mime-Version: 1.0
To: "Peter H. Gregson" <gregson@tuns.ca>
Content-Type: text/plain; charset=us-ascii
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.models.rc.misc,rec.radio.amateur,rec.ham-radio

Radio controll airplanes and cars and boats don't seem to have any problems with interference, but I bet the modelors get their heads together BEFORE the contest to make sure of sufficient distance from each other frequency wise. I bet one of them will probably help you out right here.

Butch KF5DE

```
From -5243593044755095270
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e84ad0c26950169d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115878,e84ad0c26950169d,start
X-Google-Attributes: gid115878,public
X-Google-Thread: fa656,e84ad0c26950169d,start
X-Google-Attributes: gidfa656,public
From: "Len" <umina@ultranet.com>
Subject: Modulation makes a difference
Date: 1998/03/26
Message-ID: <6ff3c0$fos$1@strato.ultra.net>#1/1
X-Deja-AN: 338113099
References: <351B3C70.10BE171D@tuns.ca>
X-Ultra-Time: 27 Mar 1998 02:36:48 GMT
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
X-Complaints-To: abuse@ultra.net
Organization: UltraNet Communications, Inc.   http://www.ultranet.com/
Newsgroups: rec.models.rc.misc,rec.radio.amateur,rec.ham-radio
```

Peter,

What will the transmitters be sending and how much power? If the control parameters permit you may want to try some kind of packet transmission or sequencing. Running the transmitters at the same time will work as long as the receivers are able to discriminate between the signals.

For example if the bandwidth is small - pulses (on off) at a low data rate it would be quite easy to fit 4 transmitters into that band. On the other hand if it were video you would have a problem.

/Len

```
From 3991818230981574373
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16a6307753e3aaaf
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,16a6307753e3aaaf
X-Google-Attributes: gidfa656,public
X-Google-Thread: 115878,a26e1b4ce8a0a417
X-Google-Attributes: gid115878,public
From: Scott Cason <br549@hom.net>
Subject: Re: multiple radio transmitters
Date: 1998/03/26
```

Message-ID: <351B2EEC.88F95FCA@hom.net>#1/1
X-Deja-AN: 338138095
Content-Transfer-Encoding: 7bit
References: <351B3C70.10BE171D@tuns.ca> <351AEE94.36ED@netdoor.com>
MIME-Version: 1.0
X-NNTP-Posting-Host: dialin2-8.wr.hom.net
Content-Type: text/plain; charset=us-ascii
Newsgroups: rec.models.rc.misc,rec.radio.amateur,rec.ham-radio

Butch Magee wrote:

> Radio controll airplanes and cars and boats don't seem to have any
> problems with interference, but I bet the modelors get their heads
> together BEFORE the contest to make sure of sufficient distance from
> each other frequency wise. I bet one of them will probably help you out
> right here.

RC stuff usually only operates on one frequency but modulates the frequency to tell the plane to move the rudder or ailerons or to tell the car to turn left or right.

--
rgds,
Scott
WPGA AM/FM/TV

"You can't teach a gay dog straight tricks"

- Chef

From 4748954669217636524
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2cf5cdba6fc1914d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115878,2cf5cdba6fc1914d,start
X-Google-Attributes: gid115878,public
X-Google-Thread: fa656,2cf5cdba6fc1914d,start
X-Google-Attributes: gidfa656,public
From: "Peter H. Gregson" <gregson@tuns.ca>
Subject: multiple radio transmitters
Date: 1998/03/27
Message-ID: <351B3C70.10BE171D@tuns.ca>#1/1
X-Deja-AN: 337959477
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Organization: DalTech
Mime-Version: 1.0
Newsgroups: rec.models.rc.misc,rec.radio.amateur,rec.ham-radio

Has anyone tried operating 4 radio transmitters in close proximity to one another? I need to do this for a robot contest, and wish to select the frequencies to avoid interference. There will be 4 robots operating simultaneously, each on a separate frequency. The transmitters must all be in the range of 75 MHz to 76 MHz (surface model control band).

Please reply by e-mail to peter.gregson@dal.ca.

Thanks in advance,

Peter Gregson

```
From -5468239173474738208
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16a6307753e3aaaf
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115878,a26e1b4ce8a0a417
X-Google-Attributes: gid115878,public
X-Google-Thread: fa656,16a6307753e3aaaf
X-Google-Attributes: gidfa656,public
From: Don Stauffer <stauffer@htc.honeywell.com>
Subject: Re: multiple radio transmitters
Date: 1998/03/27
Message-ID: <351BB9D1.26D8@htc.honeywell.com>#1/1
X-Deja-AN: 338265074
Content-Transfer-Encoding: 7bit
References: <351B3C70.10BE171D@tuns.ca> <351AEE94.36ED@netdoor.com>
Mime-Version: 1.0
Reply-To: stauffer@htc.honeywell.com
Content-Type: text/plain; charset=us-ascii
Organization: honeywell
Newsgroups: rec.models.rc.misc,rec.radio.amateur,rec.ham-radio
```

Butch Magee wrote:

> Radio controll airplanes and cars and boats don't seem to have any problems with interference, but I bet the modelors get their heads together BEFORE the contest to make sure of sufficient distance from each other frequency wise. I bet one of them will probably help you out right here.
>
> Butch KF5DE

yes indeed. In fact even during non-contest casual flying the transmitters are impounded, and only one transmitter on each frequency is allowed out of the impound at a time.

--
Don Stauffer in Minneapolis
home web site- http://home1.gte.net/stauffer/

home email- stauffer@gte.net
work email- stauffer@htc.honeywell.com

```
From -6666966018382591135
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b9288fa1fd257ea1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b9288fa1fd257ea1
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,b9288fa1fd257ea1
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,b9288fa1fd257ea1
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1109af,b9288fa1fd257ea1
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,b9288fa1fd257ea1
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fc8b1,b9288fa1fd257ea1
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f76e2,b9288fa1fd257ea1
X-Google-Attributes: gidf76e2,public
From: Don Huff <dhuff@popmail1.vcd.hp.com>
Subject: Re: FS/FT: KENWOOD TS520 HF $200
Date: 1998/03/27
Message-ID: <351C085B.78E4@popmail1.vcd.hp.com>#1/1
X-Deja-AN: 338363839
Content-Transfer-Encoding: 7bit
References: <6feclb$192$1@news.citynet.net>
Content-Type: text/plain; charset=us-ascii
Organization: HP Vancouver Site
Mime-Version: 1.0
Reply-To: dhuff@popmail.vcd.hp.com
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap
```

The Crew wrote:

```
>
> I have a TS520 hf rig I would like to sell or trade for a good HT... would
> like an older dual-band, but will take newer 2m. An MT1000 would be perfect
> as well (VHF, complete).
>   the 520 works great, face in good cond., case fair (cosmetic, no dents)
> Will sell outright for $200.
> email for details or phone number!
> thanks,
> Randy
```

Randy OM,

That is an EXCELLENT price on your TS520. Those rigs are well built and can last a lifetime. Perfect rig for anyone to get started on HF.

73,
Don, W6JL

From -8972910061356515809
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5690b52f5e8f28f0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,5690b52f5e8f28f0,start
X-Google-Attributes: gid108778,public
From: kd5bcu@qsl.net
Subject: 2m/200 mobiles
Date: 1998/03/27
Message-ID: <6fhh1a$thp$1@nnrp1.dejanews.com>#1/1
X-Deja-AN: 338403678
X-Http-User-Agent: Mozilla/4.04 [en] (Win95; I)
Organization: Deja News - The Leader in Internet Discussion
X-Article-Creation-Date: Sat Mar 28 00:43:07 1998 GMT
Newsgroups: alt.radio.amateur,rec.ham-radio

I am looking for info on a 2m/220 mobile radio. So far the only ones I have found anything on are the TM-631A and TM-642A (both from Kenwood). Are there any others out there, and why aren't they more common?

-----== Posted via Deja News, The Leader in Internet Discussion ==-----
http://www.dejanews.com/   Now offering spam-free web-based newsreading

From -7904678329879934608
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ebb0912c789f514,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,ebb0912c789f514,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,ebb0912c789f514,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,ebb0912c789f514,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,ebb0912c789f514,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,ebb0912c789f514,start
X-Google-Attributes: gid1031c8,public
From: "Charles Francer" <francer@gis.net>
Subject: fs Suoer Tuner by Dentron
Date: 1998/03/30
Message-ID: <01bd5bdb$74a0c2a0$4ed371d1@francer>#1/1
X-Deja-AN: 339111707
Sender: @209.113.211.78

Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap

For Sale: Dentron Super Tuner (real nice condition!) Full Power, HF.
*Asking $125.Plus Shipping. REASONABLE
OFFERS WELCOMED! Contact: Charles Francer   --   E-mail: w1cmf@amsat.org or
w1cmf@hotmail.com

From 5515717985962442346
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,46ce033ac7f282f5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,46ce033ac7f282f5,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,46ce033ac7f282f5,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc8b1,46ce033ac7f282f5,start
X-Google-Attributes: gidfc8b1,public
From: cbtech@geocities.com
Subject: FS: KLM 160W VHF RF Power Amplifier
Date: 1998/03/30
Message-ID: <6forh7$t0t$1@nnrp1.dejanews.com>#1/1
X-Deja-AN: 339209647
X-Http-User-Agent: Mozilla/4.01 [en] (Win95; U)
Organization: Deja News - The Leader in Internet Discussion
X-Article-Creation-Date: Mon Mar 30 19:27:06 1998 GMT
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.boatanchors

Amplifier is in fair condition,works great. Will take the first $100.00 for
it. IF interested e-mail cbtech@geocities.com.

-----== Posted via Deja News, The Leader in Internet Discussion ==-----
http://www.dejanews.com/   Now offering spam-free web-based newsreading

From 8766586517965880307
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,9f22aac16ffc395d,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,9f22aac16ffc395d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 101376,9f22aac16ffc395d,start
X-Google-Attributes: gid101376,public
From: David Rea <gcs@netacc.net>

```
Subject: Antenna problems...
Date: 1998/04/01
Message-ID: <3522BB38.9B565052@netacc.net>#1/1
X-Deja-AN: 339982465
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0
Reply-To: gcs@netacc.net
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-
creator="4D4F5353"
Organization: General Computing Services
Newsgroups: misc.emerg-services,rec.ham-radio,alt.ham-radio.marketplace
```

I'm a ham radio operator and a first responder for my local ambulance corps, and am trying to attach a couple of trunk-lip antennas to my 1995 Ford Taurus SE, but I'm having problems getting the cables from the trunk into the passenger cabin.

Does anyone know how I might snake the cables (about 1/4 inch in diameter) under the rear seat, or have any alternative routes? The seats are partial-leather, so they may be attached differently from all-cloth seats.

I'd like to keep the wires as close to the floor as possible, to keep things looking nice, but I'll go through the rear speaker hole and over the rear deck if I have to...I'd prefer an alternative...

--David Rea
KB2YQE
NYSCFR-IT

```
From -3725304063758040230
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,9f22aac16ffc395d
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,9f22aac16ffc395d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 101376,9f22aac16ffc395d
X-Google-Attributes: gid101376,public
From: "Darin" <reidNOSPAM@whidbey.com>
Subject: Re: Antenna problems...
Date: 1998/04/02
Message-ID: <6fvke0$sp3$1@news.whidbey.com>#1/1
X-Deja-AN: 340131960
References: <3522BB38.9B565052@netacc.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
Organization: WhidbeyNet News Service
Newsgroups: misc.emerg-services,rec.ham-radio,alt.ham-radio.marketplace
```

Can't say that I have any experience with installing ant. on a Taurus, but I have installed a few hide-a-way strobes here & there.I have found that sometimes it's just plain easier and more aesthetic to just punch cables through the floorboard and run the cable up the frame, and then come up under the carpet where you want them. Sometimes you have to drill holes, but you would be surprised at how many plugs are already in place by the manufacturer. Use lotsa silicone at the holes if you don't have rubber grommets.

--
Darin
reidNOSPAM@whidbey.com
http://www.whidbey.net/reid
David Rea wrote in message <3522BB38.9B565052@netacc.net>...
>I'm a ham radio operator and a first responder for my local ambulance
>corps, and am trying to attach a couple of trunk-lip antennas to my 1995
>Ford Taurus SE, but I'm having problems getting the cables from the
>trunk into the passenger cabin.
>
>Does anyone know how I might snake the cables (about 1/4 inch in
>diameter) under the rear seat, or have any alternative routes? The seats
>are partial-leather, so they may be attached differently from all-cloth
>seats.
>
>I'd like to keep the wires as close to the floor as possible, to keep
>things looking nice, but I'll go through the rear speaker hole and over
>the rear deck if I have to...I'd prefer an alternative...
>
>--David Rea
>KB2YQE
>NYSCFR-IT
>
>

From 3050949112353081896
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,604c6b3451e3e4a9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,604c6b3451e3e4a9,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,604c6b3451e3e4a9,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 115af6,604c6b3451e3e4a9,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: fa656,604c6b3451e3e4a9,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,604c6b3451e3e4a9,start
X-Google-Attributes: gidf76e2,public

X-Google-Thread: fc8b1,604c6b3451e3e4a9,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1031c8,604c6b3451e3e4a9,start
X-Google-Attributes: gid1031c8,public
From: "The Crew" <dc@citynet.net>
Subject: FS: 2 MC-50 mics $50
Date: 1998/04/02
Message-ID: <6g0g5m$al8$1@news.citynet.net>#1/1
X-Deja-AN: 340235629
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: CityNet Corporation
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

Not sure if I posted this already, but... I have 2 MC-50 desk mics for sale at $50/both. One mic is in great condition, works great, other mic looks rough, base is great, works ok but has hum... inside base is evidence of many rewirings, and I believe the audio leads being reversed is the only problem. Please email if interested! Buyer ships COD/CONUS or prepay.
thanks,
Randy

From 8826379320608369788
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,9f22aac16ffc395d
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,9f22aac16ffc395d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 101376,9f22aac16ffc395d
X-Google-Attributes: gid101376,public
From: CSC <chris.cahill@stpaul.gov>
Subject: Re: Antenna problems...
Date: 1998/04/02
Message-ID: <3523E1F0.B29CD8F4@stpaul.gov>#1/1
X-Deja-AN: 340269502
Content-Transfer-Encoding: 7bit
References: <3522BB38.9B565052@netacc.net>
X-Priority: 3 (Normal)
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Organization: The City of Saint Paul, MN, USA
Newsgroups: misc.emerg-services,rec.ham-radio,alt.ham-radio.marketplace

David Rea wrote:

> I'm a ham radio operator and a first responder for my local ambulance

> corps, and am trying to attach a couple of trunk-lip antennas to my
> 1995
> Ford Taurus SE, but I'm having problems getting the cables from the
> trunk into the passenger cabin.

I have run wire under the carpet and followed the edge around the molding by the doors. If there is a 'hump' in the middle you could follow it under the carpet. Once your get to the back I think you should be able to find enough room between the seat bottom and the side panel to get to the trunk. Most seat bottoms should come off if that helps. You might even be able to under the seat once it's removed. I've never had a Taurus so I don't know details.

Hope this helps,
Chris

From -4778885642132448534
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6e034b0602376e2e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,6e034b0602376e2e,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 115af6,6e034b0602376e2e,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: fc2a5,6e034b0602376e2e,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f76e2,6e034b0602376e2e,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,6e034b0602376e2e,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc8b1,6e034b0602376e2e,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa656,6e034b0602376e2e,start
X-Google-Attributes: gidfa656,public
From: "The Crew" <dc@citynet.net>
Subject: FS:Motorola Headset/mic
Date: 1998/04/02
Message-ID: <6g0tqr$gss$1@news.citynet.net>#1/1
X-Deja-AN: 340304434
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: CityNet Corporation
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

Posted this in a prev. msg... but it was kinda lost in the questions..
Have Motorola headset/mic, behind the head for use with cap, etc, like the 'Nascar' guys use except black. Dynamic mic element. Could use earpads,

these are a bit too mushy.. has top velcro adj. strap and coiled cord. Boom
adjusts in/out, hinged halfway and mic pivots. works great! it's a 4pin
plug now, but have the factory barrel plug (4contact) desoldered, not cut.
It's model NMN6064A SP04 if u wud like to look it up at Motorola's website
or elsewhere. List new: $500 Priced at $90/firm/uship Please email if
interested!
thanks!
Randy

From 3366333435915489844
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,9f22aac16ffc395d
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,9f22aac16ffc395d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 101376,9f22aac16ffc395d
X-Google-Attributes: gid101376,public
From: "kovar" <kovar@ia.net>
Subject: Re: Antenna coax routing in taurus
Date: 1998/04/03
Message-ID: <01bd5e94$440e4ac0$2a6b78c7@kovar.inav.net>#1/1
X-Deja-AN: 340357825
References: <3522BB38.9B565052@netacc.net> <6fvke0$sp3$1@news.whidbey.com>
Organization: RADIO FARM: N0MA
Newsgroups: misc.emerg-services,rec.ham-radio,alt.ham-radio.marketplace

Damn!

I hate to see people led down the wrong path!
Routing Antenna Coax is a simple procedure in almost any
car. THE COMMENT OF DRILLING A HOLE THREW THE FLOOR IS
UNCALLED FOR. I can not believe he said that.
Routing the coax under the rear seat is so simple and fast.
Routing: Crawl into trunk and pull the felt like liner away from vertical
part of rear seat. You will now see the lower corners of the seat have
room to
push many cables threw them.
From the back seat lift the corner of the horizontal bench seat.
Lift up any felt like material and reach upward for a routing path
determined
by trunk inspection.
I still can not believe he said that! Brake lines, gas lines, and the
possible
snagging of the feedline under the car are not what I consider correct
methods.

Hope I saved him in time,
Jack

--
Jack Kovar
k0var
Iowa

Darin <reidNOSPAM@whidbey.com> wrote in article
<6fvke0$sp3$1@news.whidbey.com>...
> Can't say that I have any experience with installing ant. on a Taurus,
but I
> have installed a few hide-a-way strobes here & there.I have found that
> sometimes it's just plain easier and more aesthetic to just punch cables
> through the floorboard and run the cable up the frame, and then come up
> under the carpet where you want them. Sometimes you have to drill holes,
> but you would be surprised at how many plugs are already in place by the
> manufacturer. Use lotsa silicone at the holes if you don't have rubber
> grommets.
>
> --
> Darin
> reidNOSPAM@whidbey.com
> http://www.whidbey.net/reid
> David Rea wrote in message <3522BB38.9B565052@netacc.net>...
> >I'm a ham radio operator and a first responder for my local ambulance
> >corps, and am trying to attach a couple of trunk-lip antennas to my 1995
> >Ford Taurus SE, but I'm having problems getting the cables from the
> >trunk into the passenger cabin.
> >
> >Does anyone know how I might snake the cables (about 1/4 inch in
> >diameter) under the rear seat, or have any alternative routes? The seats
> >are partial-leather, so they may be attached differently from all-cloth
> >seats.
> >
> >I'd like to keep the wires as close to the floor as possible, to keep
> >things looking nice, but I'll go through the rear speaker hole and over
> >the rear deck if I have to...I'd prefer an alternative...
> >
> >--David Rea
> >KB2YQE
> >NYSCFR-IT
> >
> >
>
>
>

From -6869175275972817797
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ea8f4a9b3a6a19da
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,ea8f4a9b3a6a19da

```
X-Google-Attributes: gid108122,public
X-Google-Thread: 115af6,ea8f4a9b3a6a19da
X-Google-Attributes: gid115af6,public
X-Google-Thread: fa656,ea8f4a9b3a6a19da
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1109af,ea8f4a9b3a6a19da
X-Google-Attributes: gid1109af,public
X-Google-Thread: fc2a5,ea8f4a9b3a6a19da
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 108778,ea8f4a9b3a6a19da
X-Google-Attributes: gid108778,public
X-Google-Thread: 1031c8,ea8f4a9b3a6a19da
X-Google-Attributes: gid1031c8,public
From: "Christopher W. Boone" <cboone@earthlink.net>
Subject: Re: WTB or Trade: Repeater controller...
Date: 1998/01/10
Message-ID: <34B7B767.392C@earthlink.net>#1/1
X-Deja-AN: 314702638
Content-Transfer-Encoding: 7bit
References: <01bd1986$14864da0$bb5760ce@default>
Mime-Version: 1.0
Reply-To: cboone@earthlink.net
To: Rod Ekholm <kc7aad@boink.net>
Content-Type: text/plain; charset=us-ascii
Organization: The Walt Disney Company / ABC Radio Networks Engineer - Dallas,
Texas
Newsgroups: alt.radio.amateur,rec.ham-
radio,rec.radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.ho
mebrew,rec.radio.amateur.swap,rec.radio.swap
```

Rod Ekholm wrote:

>
> Am looking for a repeater controller.Would need to have voice synthesizer
> and autopatch is not a necessary thing. Would be willing to buy if it is
> under 250.00 or above that price mark I would be interested in trading some
> gear.
>
> Available gear:
> ic 727?? i don't remember the mod # but believ that's it. it's hf + 6m
> hasonly been used for maybe 20 bours at one field day about 3 years ago.
>
> Also have dualband ht's available:
> ic-w2a
> standard c-528a
> Both have batts, and some other misc accessories.
>
> also have dualband commercial mobile.
> alinco ald-24t
> single band rx at one time. comes with tt mic.
>
> anything interest you????   let me know.   de RodEkholm Jr.
> kc7aad@boink.net

>
> pgr(509)889-8779

Get a CAT 300.....$299 at last look new....and has everything on it

Chris
WB5ITT

From -276948649871243357
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,184f0a4e416eeae8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,184f0a4e416eeae8
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,184f0a4e416eeae8
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 107ada,184f0a4e416eeae8
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1109af,184f0a4e416eeae8
X-Google-Attributes: gid1109af,public
X-Google-Thread: fcc6e,184f0a4e416eeae8
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f76e2,184f0a4e416eeae8
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,184f0a4e416eeae8
X-Google-Attributes: gidfa656,public
From: "Christopher W. Boone" <cboone@earthlink.net>
Subject: Re: GE Master 2 HELP PLEASE!!
Date: 1998/01/10
Message-ID: <34B7B995.264@earthlink.net>#1/1
X-Deja-AN: 314705359
Content-Transfer-Encoding: 7bit
References: <34B4FC4A.AA6A15FD@flash.net>
Mime-Version: 1.0
Reply-To: cboone@earthlink.net
To: kc5swi@flash.net
Content-Type: text/plain; charset=us-ascii
Organization: The Walt Disney Company / ABC Radio Networks Engineer - Dallas, Texas
Newsgroups:
rec.radio.amateur.equipment,rec.radio.amateur,rec.radio.swap,rec.radio.amateur.swap,rec.radio.amateur.antenna,rec.radio.amateur.misc,rec.ham-radio,rec.ham-radio.swap

Cole and Kathy wrote:
>
> Would anyone advise me on the pin out of a GE master 2 control cable
> plug<at the radio>. I don't have a cable and need to know where i need
> to put positive and negative connections to the front of the radio as i
> am using an internal repeater controller <nhrc-3 mii-90> and have

> deleted the control head.
>
> I realize the two large pins are + and -, but the smaller pins must have
> a pos and neg. pin in there somewhere.
>
> Thanks for any help!!
> please e-mail responses....
> 73
> Cole
> KC5SWI@flash.net

Where are you located at?? Get with me in email and I'll have the info
you need by then...yes there is a +DC input for the exciter and
the rcvr (the 7amp fused feed to the control head) that uses the
smaller pins...the large pins are for the PA only

Chris
WB5ITT

```
From 8171837177503610819
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,c01c4b53b0aaf469
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,c01c4b53b0aaf469
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,c01c4b53b0aaf469
X-Google-Attributes: gidfc2a5,public
From: gambino <da_gambino@yahoo.com>
Subject: Re: Repeater desense, what�s the mechanism?
Date: 1998/01/11
Message-ID: <34B89846.2F66BCE5@yahoo.com>
X-Deja-AN: 314927987
Content-Transfer-Encoding: 8bit
References: <34B1869B.9EE@ethergate.com> <34bbf2a5.425454240@news.sci.fi>
X-Server-Date: 11 Jan 1998 12:51:41 GMT
Mime-Version: 1.0
Reply-To: da_gambino@yahoo.com
Content-Type: text/plain; charset=iso-8859-1
Organization: no.
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.homebrew
```

Now do you honestly think that this guy or the general populous is gonna
under stand this shit?
This is another example of nerds going overboard on a question...
Get to the point!!!
If he doesn't know what Desense is, he aint gonnna what all that extra
shit your talking about is, Einstein.
Look, why can't we just adopt the KISS rule for the less knowledegable
guys, Keep It Simple Stupid & more will benefit from the information
shared!.

Your answers may be right, but you are going WAY overboard for a SIMPLE & COMMON problem.
When I (was a tech) went onsite to service commercial repeaters suffering from desense, I never had to go through that shit, you have to be out of your mind to think I was gonna sit their with my Svc.Monitor and measure half the levels you mentioned, I might as well build a new repeater form scratch!

I can't sit here & prescribe a remedy to fix your repeater, cuz i aint lookin at it, but you can start by making sure the simple things are verified OK, like:
TX/RX lines & connectors.
Is your Duplexor tuned properly? (use a tracking generator not the Mr. einstein method).
Do a 'general' check on the Recv'r, is it to spec?

Most of the time, desense could be eliminated by just making sure all your connections were solid & good & the radios were properly shielded...
Occasional tune ups on the Rcv'r were not uncommon, just not necessary to get so in-depth...
However if you wanna break out the Atomic ion Calculator, be my guest dude.

Paul Keinanen wrote:

> On Mon, 05 Jan 1998 17:19:23 -0800, &miker <&miker@ethergate.com>
> wrote:
>
> >Repeater desense, what�s the mechanism?
>
> There are several things that can go wrong.
>
> >
> >I want to build a small 440 MHz. repeater to be installed in a low-RF
> >interference site.
>
> You did not tell, if you had a common antenna for Rx and Tx, duplexer
> type (bandpass/notch) on Rx (and Tx) and transmitter power, so I have
> to guess in some points.
>
> >So I only need to worry about desense from my own transmitter.
> >Can anyone tell me the desense mechanism?
> >
> >When I talk with the local experienced repeater builders, I hear that

> >the �front-end�
> >is being overloaded, with no precise explanation of what that means.
> >I�m not understanding
> >how -20dbm, in my case, is overloading the RF amplifier. Is there a
> >rule of thumb for
> >how much signal is too much?
>
> It depends quite a lot of the receiver design.
>
> A typical UHF receiver has at least one RF amplifier before an active
> mixer. The gain from the Rx input to the mixer output might well be
> +20 dB, so the Tx signal leakage is now at +0dBm (provided that it has
> not been attenuated by any bandpass (helical) filters between the
> RF-amplifier and the 1st mixer. While +0dBm into 50 ohms is still only
> 220 mVrms, the active mixers usually operate at higher output
> impedance levels such as 1 kohm. +0dBm into 1 kOhm is 1Vrms or nearly
> 3 V peak-to-peak, which is uncomfortably close to the operating
> voltage of a typical front end. There are strong mixing products at
> fTx-fLo and fTx+fLo and if these frequencies are not terminated into a
> proper impedance, these can cause problems to the mixer.
>
> A typical NBFM receiver will give a usable signal at around -120 dBm
> and if you try to get that sensitivity with the -20 dBm Tx leakage,
> you still need a 100 dB dynamic range, which is hard for an
> RF-amplifier. A few years ago, it was hard to get 100 dB dynamic range
> even with audio amplifiers with feedback.
>
> The 100 dB difference between the weak wanted signal and the strong Tx
> leakage also means that the strong unwanted signal must be suppressed
> by more than 100 dB (relative to the wanted signal) before it hits the
> first stage that limits. Due to filter "leak around" it is very hard
> to get this kind of attenuation in a single filter even if the filter
> itself could attenuate that much, so a careful gain distribution must
> be used between multiple filters.
>
> One thing in repeater desense cases, which is easily overlooked is the
> phase noise of the transmitter. If common Rx and Tx antennas are used,
> the phase noise of the transmitter as far out as the Rx frequency can
> be so strong that it swamps a weak signal. While a notch in the Rx
> chain tuned to the Tx frequency effectively attenuates the nominal Tx
> frequency to tolerable levels, it does nothing to the far out phase
> noise, which will penetrate into the receiver without attenuation. If
> the target sensitivity is -120 dBm and assuming for simplicity, that
> the needed signal bandwidth is 10 kHz, the phase noise density must be
> less than -160 dBm/Hz. If the transmitter power is 100 W or +50 dBm,
> the maximum phase noise density at +/- 5 MHz from the carrier must be
> -210 dBc/Hz. If the phase noise for a typical UHF FM transmitter at
> that offset is -140 dBc/Hz, the notch (tuned to the Rx frequency) in
> the _Tx_ to antenna line must be at least -70 dB deep.
>
> Incidently, the notch required in the _Rx_ line is also -70 dB (from
> 100 W or +50 dBm to -20 dBm) so about the same amount of filtering is
> required in both the transmitter and receiver feeder lines. While it

> is important for the health of the receiver to tune properly the notch
> in the receiver feed, for optimum performance, the notch in the Tx
> feeder must also be tuned very carefully.
>
> While the transmitter phase noise (-140 dBc/Hz) used in the example
> might apply for a bad synthesized FM transmitter, better far out noise
> performance can be obtained with crystal controlled multiplier chains.
> Using multiplier chains it can be easier to find suitable helical
> filters (at say 144 MHz) to clean up the far out phase noise. When
> (most of) the filtering is done in the multiplier chain or before the
> final amplifier at the operating frequency, small, low power filters
> can be used. If the notch is between the transmitter final amplifier
> and the antenna, RF generated at high cost are used to heat the
> duplexers, since the notch filters have some pass band losses at the
> Tx frequency.
>
> Paul OH3LWR

```
From 5920512799776248212
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c92c756b6b43516
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,2c92c756b6b43516
X-Google-Attributes: gid106d41,public
X-Google-Thread: fa656,2c92c756b6b43516
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,982fda335f40b7fe
X-Google-Attributes: gid107ada,public
From: gambino <da_gambino@yahoo.com>
Subject: Re: HAM CLUBS & NG's ALL THE SAME
Date: 1998/01/11
Message-ID: <34B892D7.931A4F87@yahoo.com>#1/1
X-Deja-AN: 314927989
Content-Transfer-Encoding: 7bit
References: <01bd120e$1922e000$LocalHost@kimo9>
<01bd120e$f0a79ac0$LocalHost@kimo9>
X-Server-Date: 11 Jan 1998 12:28:30 GMT
Mime-Version: 1.0
Reply-To: da_gambino@yahoo.com
To: DANO <kimo9@idt.net>
Content-Type: text/plain; charset=us-ascii
Organization: no.
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb
```

Don't feel alone, your observation is very much the truth...
Radio in general is stale because of these , pardon my jargon, Old Farts & Know it alls.

When I got into Ham rdaio (bout 6yrs ago) I was an avid electronic enthusiast &
wanted more, more, more knowledge... I was also a hacker of the highest degree
(still am) & ended up teaching myself most of what I know...
I found it annoying to have to listen to these A**holes chastise other "younger
generation" Hams, because we didn't have 9 mile high HF towers or, know code, or
say
73's, etc...
Well I eventually got so into radio I ended up a Radio Technician, you would
think,
every Ham's dream job, right?   WRONG. I met the most dispicable people, many of
which were Hams, The commercial guys always felt they were above Hams, simply
because, they got paid to do it & use commercial equipment.... I was constantly
harrased being a ham working in commercial radio, by the older "more experienced"
guys, I didn't give a shit, I excelled & eventually started my own shop. Mind you,
I
was only 25.
I got so fed up though with the assholes in the business, many of which run closed
repeaters & the ones whop think they are so much smarter than me & think simply
cuz
I was 23, 24,25 yrs old, I didn't know a damn about radio, while at the same time
I
was getting paid to fix their radios & being Emailed up the wazooo to answer tech
questions on related topics...
It is PURE arrogance on the part of these guys who think they know everything &
feel
bestowed to treat other guys like shit cuz they are new to the hobby...
I absolutely am turned off by the 'radio crowd' in my parts (Bay Area , Ca.),
bunch
of old effer's who have a monopoly on freq pairs cuz they have money & are all
part
of the same "old boys club"...
Screw those guys, I could of continued to make money doing radio on my own, but
why
work around assholes I can't stand?
I switched careers & am now a Network Engineer making almost twice the salary, and
I'm still only 26... I also run my own Paging & Email service. so I still have
ties
to the wireless industry both commercially & as a hobby of course.... I have a
truck
fully decked out for communications, with all the top gear, but that doesn't make
a
better ham than anyone else though, what does make me way better than these old
assholes, is I won't chew your ass if you ask a "dumb" newbie question, or debate
it, nor will I run you off a repeater, because it's "Private".... I am willing to
spread the knowledge & help other guys who don't know what I know, believe me I
learned a lot of secrets working in the business & never hesitate to share them..
Face it Old Timers, the days of the secret handshake are over....
Who gives a damn if we dont't know about about tubes, crystals & code....
You can't hold back NEWER Technology or the knowledge thereof...
It's alright dano, I'm on your side.

DANO wrote:

> as someone making my way into the word of ham radio, i've noticed a common
> thread betweem the type of people involved in club's,ng's, and even the
> crowd at hamfest's.
>   when a conversation is started by a newbie asking a question about
> anything, the initial question gets lost in the disagreement over a phrase
> or misquote that some "know - it - all" has to throw in. of course the
> person, who is asking the the question, gets forgotten about cause the rest
> of the answer from some person walking by is then debated for the rest of
> the day.
>   HMMMM. seems to me that anyone under 55 yrs old is more interested in
> "knowing more" than the guy next to him, and i find these rocket scientist
> to be more anoying than helpful.
>   if everyone was as interested in furthering their "knowledge base" and
> help the less experienced operators further their's, nobody would have to
> worry about the loss of ham bands to others.
>
>   to prove my point, i ask all of you to scan the postings of this
> group and see how many legit questions asking for help or opinions on
> equipment are responded to.
>   then look at all the general comments and debates posted with their
> responces.
> in one day i saw a ratio of 10:1 in favor of the debates.
>
>   IN THE 1960'S JFK SAID " ASK NOT WHAT YOUR COUNTRY CAN DO FOR YOU, ASK
> WHAT YOU CAN DO FOR YOUR COUNTRY"
>
> i'm 34, never learned that quote from school, but i practice it every day.
> anyone else care to give it a try. we just might save ham radio for our
> children
>
>   DAN0

```
From -1153879427268119608
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c92c756b6b43516
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,2c92c756b6b43516
X-Google-Attributes: gid106d41,public
X-Google-Thread: 107ada,982fda335f40b7fe
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,2c92c756b6b43516
X-Google-Attributes: gidfa656,public
From: Don or Darla Arnold <DArnold@datasync.com>
Subject: Re: HAM CLUBS & NG's ALL THE SAME
Date: 1998/01/11
Message-ID: <34B91782.443E@datasync.com>#1/1
X-Deja-AN: 315003419
```

```
Content-Transfer-Encoding: 7bit
References: <01bd120e$1922e000$LocalHost@kimo9>
<01bd120e$f0a79ac0$LocalHost@kimo9> <34B892D7.931A4F87@yahoo.com>
Mime-Version: 1.0
To: da_gambino@yahoo.com
Content-Type: text/plain; charset=us-ascii
Organization: http://www.freeyellow.com/members2/darnold
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb


gambino wrote:
>
> Don't feel alone, your observation is very much the truth...

TELL HIM ABOUT IT...good for you go get em!!!


are all part
> of the same "old boys club"...

fighting that in the deep south also..but we are making headway...


>dont let the sob's get ya down

don




From -8229297139988774077
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,c01c4b53b0aaf469
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,c01c4b53b0aaf469
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,c01c4b53b0aaf469
X-Google-Attributes: gidfa656,public
From: Al <daclark@lni.net>
Subject: Re: Repeater desense, what�s the mechanism?
Date: 1998/01/11
Message-ID: <34B97904.416E@lni.net>
X-Deja-AN: 315066011
Content-Transfer-Encoding: 8bit
References: <34B1869B.9EE@ethergate.com> <34bbf2a5.425454240@news.sci.fi>
<34B89846.2F66BCE5@yahoo.com>
Mime-Version: 1.0
Reply-To: daclark@lni.net
Content-Type: text/plain; charset=iso-8859-1
Organization: Beaverton International
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.homebrew


gambino wrote:
```

>
> Now do you honestly think that this guy or the general populous is gonna
> under stand this shit?
> This is another example of nerds going overboard on a question...
> Get to the point!!!
> If he doesn't know what Desense is, he aint gonnna what all that extra
> shit your talking about is, Einstein.
> Look, why can't we just adopt the KISS rule for the less knowledegable
> guys, Keep It Simple Stupid & more will benefit from the information
> shared!.
> Your answers may be right, but you are going WAY overboard for a SIMPLE &
> COMMON problem.
> When I (was a tech) went onsite to service commercial repeaters suffering
> from desense, I never had to go through that shit, you have to be out of
> your mind to think I was gonna sit their with my Svc.Monitor and measure
> half the levels you mentioned, I might as well build a new repeater form
> scratch!
>
> I can't sit here & prescribe a remedy to fix your repeater, cuz i aint
> lookin at it, but you can start by making sure the simple things are
> verified OK, like:
> TX/RX lines & connectors.
> Is your Duplexor tuned properly? (use a tracking generator not the Mr.
> einstein method).
> Do a 'general' check on the Recv'r, is it to spec?
>
> Most of the time, desense could be eliminated by just making sure all your
> connections were solid & good & the radios were properly shielded...
> Occasional tune ups on the Rcv'r were not uncommon, just not necessary to
> get so in-depth...
> However if you wanna break out the Atomic ion Calculator, be my guest
> dude.
>
> Paul Keinanen wrote:
>
> > On Mon, 05 Jan 1998 17:19:23 -0800, &miker <&miker@ethergate.com>
> > wrote:
> >
> > >Repeater desense, what�s the mechanism?
> >
> > There are several things that can go wrong.
> >
> > >
> > >I want to build a small 440 MHz. repeater to be installed in a low-RF
> > >interference site.
> >
> > You did not tell, if you had a common antenna for Rx and Tx, duplexer
> > type (bandpass/notch) on Rx (and Tx) and transmitter power, so I have
> > to guess in some points.
> >
> > >So I only need to worry about desense from my own transmitter.
> > >Can anyone tell me the desense mechanism?
> > >

> > >When I talk with the local experienced repeater builders, I hear that
> > >the �front-end�
> > >is being overloaded, with no precise explanation of what that means.
> > >I�m not understanding
> > >how -20dbm, in my case, is overloading the RF amplifier. Is there a
> > >rule of thumb for
> > >how much signal is too much?
> >
> > It depends quite a lot of the receiver design.
> >
> > A typical UHF receiver has at least one RF amplifier before an active
> > mixer. The gain from the Rx input to the mixer output might well be
> > +20 dB, so the Tx signal leakage is now at +0dBm (provided that it has
> > not been attenuated by any bandpass (helical) filters between the
> > RF-amplifier and the 1st mixer. While +0dBm into 50 ohms is still only
> > 220 mVrms, the active mixers usually operate at higher output
> > impedance levels such as 1 kohm. +0dBm into 1 kOhm is 1Vrms or nearly
> > 3 V peak-to-peak, which is uncomfortably close to the operating
> > voltage of a typical front end. There are strong mixing products at
> > fTx-fLo and fTx+fLo and if these frequencies are not terminated into a
> > proper impedance, these can cause problems to the mixer.
> >
> > A typical NBFM receiver will give a usable signal at around -120 dBm
> > and if you try to get that sensitivity with the -20 dBm Tx leakage,
> > you still need a 100 dB dynamic range, which is hard for an
> > RF-amplifier. A few years ago, it was hard to get 100 dB dynamic range
> > even with audio amplifiers with feedback.
> >
> > The 100 dB difference between the weak wanted signal and the strong Tx
> > leakage also means that the strong unwanted signal must be suppressed
> > by more than 100 dB (relative to the wanted signal) before it hits the
> > first stage that limits. Due to filter "leak around" it is very hard
> > to get this kind of attenuation in a single filter even if the filter
> > itself could attenuate that much, so a careful gain distribution must
> > be used between multiple filters.
> >
> > One thing in repeater desense cases, which is easily overlooked is the
> > phase noise of the transmitter. If common Rx and Tx antennas are used,
> > the phase noise of the transmitter as far out as the Rx frequency can
> > be so strong that it swamps a weak signal. While a notch in the Rx
> > chain tuned to the Tx frequency effectively attenuates the nominal Tx
> > frequency to tolerable levels, it does nothing to the far out phase
> > noise, which will penetrate into the receiver without attenuation. If
> > the target sensitivity is -120 dBm and assuming for simplicity, that
> > the needed signal bandwidth is 10 kHz, the phase noise density must be
> > less than -160 dBm/Hz. If the transmitter power is 100 W or +50 dBm,
> > the maximum phase noise density at +/- 5 MHz from the carrier must be
> > -210 dBc/Hz. If the phase noise for a typical UHF FM transmitter at
> > that offset is -140 dBc/Hz, the notch (tuned to the Rx frequency) in
> > the _Tx_ to antenna line must be at least -70 dB deep.
> >
> > Incidently, the notch required in the _Rx_ line is also -70 dB (from
> > 100 W or +50 dBm to -20 dBm) so about the same amount of filtering is

> > required in both the transmitter and receiver feeder lines. While it
> > is important for the health of the receiver to tune properly the notch
> > in the receiver feed, for optimum performance, the notch in the Tx
> > feeder must also be tuned very carefully.
> >
> > While the transmitter phase noise (-140 dBc/Hz) used in the example
> > might apply for a bad synthesized FM transmitter, better far out noise
> > performance can be obtained with crystal controlled multiplier chains.
> > Using multiplier chains it can be easier to find suitable helical
> > filters (at say 144 MHz) to clean up the far out phase noise. When
> > (most of) the filtering is done in the multiplier chain or before the
> > final amplifier at the operating frequency, small, low power filters
> > can be used. If the notch is between the transmitter final amplifier
> > and the antenna, RF generated at high cost are used to heat the
> > duplexers, since the notch filters have some pass band losses at the
> > Tx frequency.
> >
> > Paul OH3LWR

A lot of info from this gambino guy who flames amateur radio in the
rec.radio.cb ng then decides he has all the answers. Just another
little duck trying to get into the big pond!
Its time to grow up little duck.
Reguards
Al

From 6677068533499543292
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c92c756b6b43516
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,2c92c756b6b43516
X-Google-Attributes: gid106d41,public
X-Google-Thread: 107ada,982fda335f40b7fe
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,2c92c756b6b43516
X-Google-Attributes: gidfa656,public
From: Tom Repstad <rcc@together.net>
Subject: Re: HAM CLUBS & NG's ALL THE SAME
Date: 1998/01/11
Message-ID: <34B9500E.B67C9C6F@together.net>#1/1
X-Deja-AN: 315066013
Content-Transfer-Encoding: 7bit
References: <01bd120e$1922e000$LocalHost@kimo9>
<01bd120e$f0a79ac0$LocalHost@kimo9> <34B892D7.931A4F87@yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

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chastise an entire group (i.e. old farts"... as it is for one of them to chastize a
newbie for asking a "stupid" questions (the only stupid question is the one that doesn't
get asked). Perhaps, you should consider treating everyone as an individual... After
all, they are individuals. All the message below will do is create animosity, and
further the "arrogant young twit" stereotype.

Hey.. lighten up... :)

Tom
KB1CGA

gambino wrote:

> Don't feel alone, your observation is very much the truth...
> Radio in general is stale because of these , pardon my jargon, Old Farts & Know it
> alls.
> When I got into Ham rdaio (bout 6yrs ago) I was an avid electronic enthusiast &
> wanted more, more, more knowledge... I was also a hacker of the highest degree
> (still am) & ended up teaching myself most of what I know...
> I found it annoying to have to listen to these A**holes chastise other "younger
> generation" Hams, because we didn't have 9 mile high HF towers or, know code, or say
> 73's, etc...
> Well I eventually got so into radio I ended up a Radio Technician, you would think,
> every Ham's dream job, right?   WRONG. I met the most dispicable people, many of
> which were Hams, The commercial guys always felt they were above Hams, simply
> because, they got paid to do it & use commercial equipment.... I was constantly
> harrased being a ham working in commercial radio, by the older "more experienced"
> guys, I didn't give a shit, I excelled & eventually started my own shop. Mind you, I
> was only 25.
> I got so fed up though with the assholes in the business, many of which run closed
> repeaters & the ones whop think they are so much smarter than me & think simply cuz
> I was 23, 24,25 yrs old, I didn't know a damn about radio, while at the same time I
> was getting paid to fix their radios & being Emailed up the wazooo to answer tech
> questions on related topics...
> It is PURE arrogance on the part of these guys who think they know everything & feel
> bestowed to treat other guys like shit cuz they are new to the hobby...
> I absolutely am turned off by the 'radio crowd' in my parts (Bay Area , Ca.), bunch

> of old effer's who have a monopoly on freq pairs cuz they have money & are all part
> of the same "old boys club"...
> Screw those guys, I could of continued to make money doing radio on my own, but why
> work around assholes I can't stand?
> I switched careers & am now a Network Engineer making almost twice the salary, and
> I'm still only 26... I also run my own Paging & Email service. so I still have ties
> to the wireless industry both commercially & as a hobby of course.... I have a truck
> fully decked out for communications, with all the top gear, but that doesn't make a
> better ham than anyone else though, what does make me way better than these old
> assholes, is I won't chew your ass if you ask a "dumb" newbie question, or debate
> it, nor will I run you off a repeater, because it's "Private".... I am willing to
> spread the knowledge & help other guys who don't know what I know, believe me I
> learned a lot of secrets working in the business & never hesitate to share them..
> Face it Old Timers, the days of the secret handshake are over....
> Who gives a damn if we dont't know about about tubes, crystals & code....
> You can't hold back NEWER Technology or the knowledge thereof...
> It's alright dano, I'm on your side.
>
> DANO wrote:
>
> > as someone making my way into the word of ham radio, i've noticed a common
> > thread betweem the type of people involved in club's,ng's, and even the
> > crowd at hamfest's.
> >   when a conversation is started by a newbie asking a question about
> > anything, the initial question gets lost in the disagreement over a phrase
> > or misquote that some "know - it - all" has to throw in. of course the
> > person, who is asking the the question, gets forgotten about cause the rest
> > of the answer from some person walking by is then debated for the rest of
> > the day.
> >   HMMMM. seems to me that anyone under 55 yrs old is more interested in
> > "knowing more" than the guy next to him, and i find these rocket scientist
> > to be more anoying than helpful.
> >   if everyone was as interested in furthering their "knowledge base" and
> > help the less experienced operators further their's, nobody would have to
> > worry about the loss of ham bands to others.
> >
> >   to prove my point, i ask all of you to scan the postings of this
> > group and see how many legit questions asking for help or opinions on
> > equipment are responded to.
> >   then look at all the general comments and debates posted with their
> > responces.
> > in one day i saw a ratio of 10:1 in favor of the debates.
> >
> >   IN THE 1960'S JFK SAID " ASK NOT WHAT YOUR COUNTRY CAN DO FOR YOU,

```
ASK
> > WHAT YOU CAN DO FOR YOUR COUNTRY"
> >
> >  i'm 34, never learned that quote from school, but i practice it every day.
> >  anyone else care to give it a try.  we just might save ham radio for our
> > children
> >
> >                 DAN0
```

```
From -2708238647176002615
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c01c4b53b0aaf469
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,c01c4b53b0aaf469
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,c01c4b53b0aaf469
X-Google-Attributes: gidfa656,public
From: &miker <&miker@ethergate.com>
Subject: Re: Repeater desense, =?iso-8859-1?Q?what=92s?= the mechanism?
Date: 1998/01/11
Message-ID: <34B9651A.25B3@ethergate.com>#1/1
X-Deja-AN: 315075359
Content-Transfer-Encoding: 7bit
References: <34B1869B.9EE@ethergate.com> <34bbf2a5.425454240@news.sci.fi>
<34B89846.2F66BCE5@yahoo.com>
Mime-Version: 1.0
Reply-To: &miker@ethergate.com
To: da_gambino@yahoo.com
Content-Type: text/plain; charset=us-ascii
Organization: AUSNet Services
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.homebrew
```

```
gambino wrote:
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Occasional tune ups on the Rcv'r were not uncommon, just not necessary
to
get so in-depth...
However if you wanna break out the Atomic ion Calculator, be my guest
dude.

STUFF SNIPPED

I gotta tell you, "DUDE", that I very much appreciated Paul's response.
I wish others had added their in-depth knowledge of the subject.

Yes, I did understand what he was saying.
Yes, I am building a new repeater from scratch; including the duplexer.
Yes, I do have double-shielded cables everywhere.
Yes, I do use a tracking generator to tweak the cavities.
If you have the commercial version of an Atomic ion Calculator, it's
probably my design.

Don't assume that other people are dummies. There are no dumb
questions,
just...well, you know.

Sit back, take a deep breath...and a midol...and quit abusing
knowledgeable people for being helpful.

Thanks again, Paul.

miker

From 1984175233923104807

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10cf20,2d76485fcfa128c7,start
X-Google-Attributes: gid10cf20,public
X-Google-Thread: 10c9e3,2d76485fcfa128c7,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c124,2d76485fcfa128c7,start
X-Google-Attributes: gid10c124,public
X-Google-Thread: 107ada,2d76485fcfa128c7,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,2d76485fcfa128c7,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 102698,2d76485fcfa128c7,start
X-Google-Attributes: gid102698,public
From: "Ray Brown" <r_brown@getonthe.net>
Subject: New Listserv for "Tornado Alley" SKYWARN.
Date: 1998/01/12
Message-ID: <01bd1f08$3846b7c0$49068ed0@r_brown.getonthe.net>#1/1
X-Deja-AN: 315107266
Organization: R.A.B.B.I.T., Inc.
Newsgroups:
rec.radio.amateur.misc,rec.radio.amateur,alt.talk.weather,alt.disasters.misc,alt.disasters.planning,rec.ham-radio

Howdy! It's time to start thinking about severe weather in Oklahoma, Kansas, Arkansas, and Missouri. To that end, I would like to announce the creation of a new Listserv for folks who are interested in, or already participate in, the SKYWARN program in the states of Oklahoma, Kansas, Arkansas, and Missouri. One does _not_ have to be a licensed amateur radio operator to participate in SKYWARN, although "ham" radio does play a major role in getting information to and from the various National Weather Service offices.

This Listserv will _NOT_ be used for issuing any watches or warnings, but rather to discuss what SKYWARN does, information about training classes, and related matters (including discussion of ARES and REACT). Anyone is welcome to participate (subscribe), but this Listserv will concentrate on the 4 central States that make up "Tornado Alley".

To participate, contact the Administrator for the Listserv - me! :-) Send a message to   r_brown@getonthe.net and I'll send you the URL information.

Thanks, and 73 (Best Regards)!

Ray Brown, KB0STN
Assistant EC, Jasper Co, MO ARES

From 7898165351118390052

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c92c756b6b43516
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,982fda335f40b7fe
X-Google-Attributes: gid107ada,public
X-Google-Thread: 106d41,2c92c756b6b43516
X-Google-Attributes: gid106d41,public
X-Google-Thread: fa656,2c92c756b6b43516
X-Google-Attributes: gidfa656,public
From: nq9220700-Ostrowski <dwostrowski@lucent.com>
Subject: Re: HAM CLUBS & NG's ALL THE SAME
Date: 1998/01/12
Message-ID: <34BA5026.31DFF4F5@lucent.com>#1/1
X-Deja-AN: 315272516
Content-Transfer-Encoding: 7bit
References: <01bd120e$1922e000$LocalHost@kimo9>
<01bd120e$f0a79ac0$LocalHost@kimo9> <34B892D7.931A4F87@yahoo.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Organization: JC21B10F0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

Gambino,

You story echoes my own, except you made your move quicker than I did!

#12

From 6086600624035939959
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fced0eb2de3388d6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,fced0eb2de3388d6,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,fced0eb2de3388d6,start
X-Google-Attributes: gidfa656,public
From: Tom Nicholson <gunsrus@tiac.net>
Subject: ICOM 775DSP Gen. Coverage Mod ???
Date: 1998/01/12
Message-ID: <34BADEE9.F87E58E7@tiac.net>#1/1
X-Deja-AN: 315422934
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Organization: Tom Nicholson
Mime-Version: 1.0
Reply-To: gunsrus@tiac.net
Newsgroups: rec.radio.amateur.equipment,rec.ham-radio,rec.radio.amateur

Anyone know the mod for Gen. Coverage on ICOM 775DSP or where I can find it????

Tom Nicholson
W1ALZ
gunsrus@tiac.net

From 1303796459784050987
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c92c756b6b43516
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,982fda335f40b7fe
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,2c92c756b6b43516
X-Google-Attributes: gidfa656,public
X-Google-Thread: 106d41,2c92c756b6b43516
X-Google-Attributes: gid106d41,public
From: "Adam B.Repsher" <abrep@csrlink.net>
Subject: Re: HAM CLUBS & NG's ALL THE SAME
Date: 1998/01/12
Message-ID: <34BAE05C.5AD4264C@csrlink.net>#1/1
X-Deja-AN: 315422937
Content-Transfer-Encoding: 7bit
References: <01bd120e$1922e000$LocalHost@kimo9>
<01bd120e$f0a79ac0$LocalHost@kimo9> <34B892D7.931A4F87@yahoo.com>
<34B9500E.B67C9C6F@together.net>
Content-Type: text/plain; charset=us-ascii
Organization: CSRlink
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

Tom Repstad wrote:
>
> hmm... an awfull lot of protesting and generalization here... it is just as bad to
> chastise an entire group (i.e. old farts"... as it is for one of them to chastize a
> newbie for asking a "stupid" questions (the only stupid question is the one that doesn't
> get asked). Perhaps, you should consider treating everyone as an individual... After
> all, they are individuals. All the message below will do is create animosity, and
> further the "arrogant young twit" stereotype.
>
> Hey.. lighten up... :)
>
> Tom
> KB1CGA

Thank you Tom,

I think that we have to realize that people will be people. None of us are perfect and we have to take the good with the bad. Sounds like these people have found the wrong souls to listen to . It is sad that there are enough bad eggs out there to spoil a the fun for a few of us. I think that you need to go back and look again.

In the four years that I have been in this hobby (HAM radio) I have had contact with those "bad HAMs." I have also had patience with these people. You can learn much from anyone, even the ones that make fun and talk big. In the last two months though, I have spent time learning CW. During this time, I have only had support and help through what I thought was going to be the most excruciating task of my life. Everyone has been positive, even my no-code-tech and tech-plus friends. We have a healthy "race" going on. There are many that I know that will not go to the HF bands. They have that right. I want them to enjoy what they do and they want me to enjoy it too. Some of those "no-code people" know the code much better than I. They support me, and I them.

No, you're not inferior, or a non-CW person, you are a Ham. Please try again. Maybe you are trying too hard, or not trying at all.

I will be a friend to the tech or novice, even when I get my general ticket. Look for me, or anyone like me.

73 or whatever you like...

N3RJY
--Adam

From 5279765952139703236
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c92c756b6b43516
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,982fda335f40b7fe
X-Google-Attributes: gid107ada,public
X-Google-Thread: 106d41,2c92c756b6b43516
X-Google-Attributes: gid106d41,public
X-Google-Thread: fa656,2c92c756b6b43516
X-Google-Attributes: gidfa656,public
From: Don McPherson <bjmcpher@usit.net>
Subject: Re: HAM CLUBS & NG's ALL THE SAME
Date: 1998/01/13
Message-ID: <34BBFF66.B4061663@usit.net>#1/1
X-Deja-AN: 315686654
Content-Transfer-Encoding: 7bit
References: <01bd120e$1922e000$LocalHost@kimo9>
<01bd120e$f0a79ac0$LocalHost@kimo9> <34B892D7.931A4F87@yahoo.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Organization: United States Internet, Inc.
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

Try being nice. dont waste your life fretting away at old farts and young
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> I was 23, 24,25 yrs old, I didn't know a damn about radio, while at the same
time I
> was getting paid to fix their radios & being Emailed up the wazooo to answer
tech
> questions on related topics...
> It is PURE arrogance on the part of these guys who think they know everything &
feel
> bestowed to treat other guys like shit cuz they are new to the hobby...
> I absolutely am turned off by the 'radio crowd' in my parts (Bay Area , Ca.),
bunch
> of old effer's who have a monopoly on freq pairs cuz they have money & are all
part
> of the same "old boys club"...
> Screw those guys, I could of continued to make money doing radio on my own, but
why
> work around assholes I can't stand?
> I switched careers & am now a Network Engineer making almost twice the salary,

and
> I'm still only 26... I also run my own Paging & Email service. so I still have
ties
> to the wireless industry both commercially & as a hobby of course.... I have a
truck
> fully decked out for communications, with all the top gear, but that doesn't
make a
> better ham than anyone else though, what does make me way better than these old
> assholes, is I won't chew your ass if you ask a "dumb" newbie question, or
debate
> it, nor will I run you off a repeater, because it's "Private".... I am willing
to
> spread the knowledge & help other guys who don't know what I know, believe me I
> learned a lot of secrets working in the business & never hesitate to share
them..
> Face it Old Timers, the days of the secret handshake are over....
> Who gives a damn if we dont't know about about tubes, crystals & code....
> You can't hold back NEWER Technology or the knowledge thereof...
> It's alright dano, I'm on your side.
>
> DANO wrote:
>
> > as someone making my way into the word of ham radio, i've noticed a common
> > thread betweem the type of people involved in club's,ng's, and even the
> > crowd at hamfest's.
> >   when a conversation is started by a newbie asking a question about
> > anything, the initial question gets lost in the disagreement over a phrase
> > or misquote that some "know - it - all" has to throw in. of course the
> > person, who is asking the the question, gets forgotten about cause the rest
> > of the answer from some person walking by is then debated for the rest of
> > the day.
> >   HMMMM. seems to me that anyone under 55 yrs old is more interested in
> > "knowing more" than the guy next to him, and i find these rocket scientist
> > to be more anoying than helpful.
> >   if everyone was as interested in furthering their "knowledge base" and
> > help the less experienced operators further their's, nobody would have to
> > worry about the loss of ham bands to others.
> >
> >   to prove my point, i ask all of you to scan the postings of this
> > group and see how many legit questions asking for help or opinions on
> > equipment are responded to.
> >   then look at all the general comments and debates posted with their
> > responces.
> > in one day i saw a ratio of 10:1 in favor of the debates.
> >
> >   IN THE 1960'S JFK SAID " ASK NOT WHAT YOUR COUNTRY CAN DO FOR YOU,
ASK
> > WHAT YOU CAN DO FOR YOUR COUNTRY"
> >
> > i'm 34, never learned that quote from school, but i practice it every day.
> > anyone else care to give it a try. we just might save ham radio for our
> > children
> >

```
> >                 DAN0
```

```
From -886280928192886443
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,184f0a4e416eeae8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,184f0a4e416eeae8
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,184f0a4e416eeae8
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,184f0a4e416eeae8
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,184f0a4e416eeae8
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,184f0a4e416eeae8
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,184f0a4e416eeae8
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 1031c8,184f0a4e416eeae8
X-Google-Attributes: gid1031c8,public
From: ifr@dlcwest.com (Railroader@YardOffice)
Subject: Re: GE Master 2 HELP PLEASE!!
Date: 1998/01/13
Message-ID: <34bff66e.105571726@news.dlcwest.com>#1/1
X-Deja-AN: 316096307
Content-Transfer-Encoding: 7bit
References: <34B4FC4A.AA6A15FD@flash.net> <34B7B995.264@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Organization: PDN/Chatlink
Newsgroups:
rec.radio.amateur.equipment,rec.radio.amateur,rec.radio.swap,rec.radio.amateur.swa
p,rec.radio.amateur.antenna,rec.radio.amateur.misc,rec.ham-radio,rec.ham-
radio.swap
```

On Sat, 10 Jan 1998 12:10:29 -0600, "Christopher W. Boone"
<cboone@earthlink.net> wrote:

```
>>Cole and Kathy wrote:
>>>
>>> Would anyone advise me on the pin out of a GE master 2 control cable
>>> plug<at the radio>.  I don't have a cable and need to know where i need
>>> to put positive and negative connections to the front of the radio as i
>>> am using an internal repeater controller <nhrc-3 mii-90> and have
>>> deleted the control head.
>>>
>>> I realize the two large pins are + and -, but the smaller pins must have
```

>>> a pos and neg. pin in there somewhere.
>>>
>>> Thanks for any help!!
>>> please e-mail responses....
>>> 73
>>> Cole
>>> KC5SWI@flash.net
>>
>>Where are you located at?? Get with me in email and I'll have the info
>>you need by then...yes there is a +DC input for the exciter and
>>the rcvr (the 7amp fused feed to the control head) that uses the
>>smaller pins...the large pins are for the PA only
>>
>>Chris
>>WB5ITT

Could someone be so kind as to share the info with the rest of us too?

Garnet

```
From -6540200740969590893
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28921e15b3c1493b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,28921e15b3c1493b,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,28921e15b3c1493b,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f76e2,28921e15b3c1493b,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,28921e15b3c1493b,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fc2a5,28921e15b3c1493b,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa029,28921e15b3c1493b,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: fa656,28921e15b3c1493b,start
X-Google-Attributes: gidfa656,public
From: Randy/DeeDee/Robin <dc@citynet.net>
Subject: Kenwood 599D Twins: HELP!
Date: 1998/01/14
Message-ID: <34BCC40A.39C6A9A6@citynet.net>#1/1
X-Deja-AN: 315856793
Mime-Version: 1.0
Reply-To: dc@city.net.net
Content-Type: multipart/mixed; boundary="------------9EA16950A5CF98E6573FC4F1"
Organization: !!!SPAMBLOCK!!! CHANGE 'city.net.net' TO citynet.net TO REPLY!!!
Newsgroups:
rec.radio.amateur.homebrew,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio
.swap,rec.ham-radio,rec.ham-
```

radio.swap,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.misc

This is a multi-part message in MIME format.
--------------9EA16950A5CF98E6573FC4F1
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, probably looking for a needle in a haystack here, but I recently aquired a set of 599D twins and need some help. Seems the transmitter doesn't want to work.... funny thing is, I have located two more sets of radios locally, and those transmitters don't work, either... the relays kick and IP and HV voltage are there, the tubes are glowing, but no dice. Same exact thing with others I found! Some bug in the radio?? seems to be a popular bug. the previous owner has had the radio 20 yrs (in the closet) with the transmitter broken, so it apparantly broke very early on.. what could be the problem?? Any help appreciated.

Would also be nice to have the 2m and 6m boards for the receiver, too, if anyone has them around!
thanks,
Randy

--------------9EA16950A5CF98E6573FC4F1
Content-Type: text/x-vcard; charset=us-ascii; name="vcard.vcf"
Content-Transfer-Encoding: 7bit
Content-Description: Card for Randy/DeeDee/Robin
Content-Disposition: attachment; filename="vcard.vcf"

```
begin:          vcard
fn:             Randy/DeeDee/Robin
n:              ;Randy/DeeDee/Robin
org:            ICQ 4455106
email;internet: dc@citynet.net
note:           SpamBlock in effect... Please remove dot to reply - - i.e. change
city.net.net to citynet.net
x-mozilla-cpt:  ;0
x-mozilla-html: TRUE
version:        2.1
end:            vcard
```

--------------9EA16950A5CF98E6573FC4F1--

From 2505174093723816262
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,58dd4078bbcf271a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,58dd4078bbcf271a,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,58dd4078bbcf271a,start

```
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa656,58dd4078bbcf271a,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1109af,58dd4078bbcf271a,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fc2a5,58dd4078bbcf271a,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa029,58dd4078bbcf271a,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: f76e2,58dd4078bbcf271a,start
X-Google-Attributes: gidf76e2,public
From: Randy/DeeDee/Robin <dc@citynet.net>
Subject: Looking for Kenwood 599D boards
Date: 1998/01/14
Message-ID: <34BCC496.DCA68768@citynet.net>#1/1
X-Deja-AN: 315856794
Mime-Version: 1.0
Reply-To: dc@city.net.net
Content-Type: multipart/mixed; boundary="------------2312832420D94D932F37255A"
Organization: !!!SPAMBLOCK!!! CHANGE 'city.net.net' TO citynet.net TO REPLY!!!
Newsgroups:
rec.radio.amateur.homebrew,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio
.swap,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.misc


This is a multi-part message in MIME format.
--------------2312832420D94D932F37255A
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Looking for 2m and 6m boards for the kenwood 599D twins. please email if
u can help! thanks!  remove the dot between city and net to make
citynet.net for reply!
Randy

--------------2312832420D94D932F37255A
Content-Type: text/x-vcard; charset=us-ascii; name="vcard.vcf"
Content-Transfer-Encoding: 7bit
Content-Description: Card for Randy/DeeDee/Robin
Content-Disposition: attachment; filename="vcard.vcf"

begin:          vcard
fn:             Randy/DeeDee/Robin
n:              ;Randy/DeeDee/Robin
org:            ICQ 4455106
email;internet: dc@citynet.net
note:           SpamBlock in effect... Please remove dot to reply - - i.e. change
city.net.net to citynet.net
x-mozilla-cpt:  ;0
x-mozilla-html: TRUE
version:        2.1
end:            vcard
```

--------------2312832420D94D932F37255A--

From -1298491341765829532
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 1091c5,308584e7ee36afcb
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,308584e7ee36afcb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,308584e7ee36afcb
X-Google-Attributes: gid108778,public
X-Google-Thread: 107ada,308584e7ee36afcb
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,308584e7ee36afcb
X-Google-Attributes: gidfa656,public
X-Google-Thread: 106d41,308584e7ee36afcb
X-Google-Attributes: gid106d41,public
X-Google-Thread: 10ed5f,308584e7ee36afcb
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,308584e7ee36afcb
X-Google-Attributes: gidfb049,public
From: "Phil Metcalf" <pmetcalf@xyplex.com>
Subject: Re: radio shacks 2-meter rigs
Date: 1998/01/14
Message-ID: <01bd2114$30aabbc0$17acb38c@pmetcalf.xyplex.com>#1/1
X-Deja-AN: 315906287
References: <01bd13ac$f1425200$081871ce@default> <687q95$ie0$1@news.bc>
<34abc5f8.164334@news.total.net> <34adb5a9.0@198.164.187.20>
Organization: Xyplex Networks
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

It is most likely Intermodulation that is causing you to hear the ambulance service. Intermodulation is the mixing of 2 or more frequencies resulting in the creation of another frequency. This frequency may fall within your bandpass and sound right on.

-> Phil

Graham VE1FC <ve1fc@nbnet.nb.ca> wrote in article
<34adb5a9.0@198.164.187.20>...
> I have both a 202 and a 242.....
> The 202 is GREAT.. excellent receive..
> The 242 is just too dam broadband on receive...
> I receive the local ambulance on the 147.165 machine here in town.. I

wish
> the 242 was narrow band like the 202.... Also sensitivity is poor on the
> 144-148 mhz area... Hell I got the 3 year contract... Might as well slap
it
> on the counter for them to look at....
>
> All said and done the Radio Shack radios are good.. as far as I am
concerned
> ..
> Graham
> ve1fc@nbnet.nb.ca
> http://www.surfcity.nb.ca/~ve1fc
>
> Cutie Boy wrote in message <34abc5f8.164334@news.total.net>...
> >On Mon, 29 Dec 1997 01:25:09 -0800, "Ted Lee"
> ><amway@nospam.rogers.wave.ca> wrote:
> >
> >>I first spend $400 Cdn to purchase that radio.
> >
> >I bought it for $299.
> >
> >>Next month it was on sale for $329, I should of waited,
> >
> >RS reimburses you a price difference if within 30 days (I always buy
> >a stuff when it's on sale.   It's usual to see $100-$150 discount on
> >certain products).
> >
> >RS Canada sells a card that gives you a 10% discount on anything from
> >regular price at $15 I think.   If you buy something over $100, you
> >will get the card free.
> >
> >If something is priced $400, you will able to get it $360 instead.
> >
> >Many people don't know this...   just a tip from "cutie boy"   :)
> >
> >
> >>Brought it in again for repairs. This time the warranty ran out. So it
> cost
> >>me $120 to fix.
> >
> >>Waited four months. Replace more chips, at my cost, no labour cost
since
> >>under repair 90 day warranty. Cost me an other $90.
> >
> >>I listen about 200 minutes for every minute transmitted!!
> >
> >>My old 2nd hand Kenwood TR-7800 works great, never had a program.
> >
> >I realize some of the RS stuffs don't work after a couple of days.
> >It happened to me a couple of times...   but usually these things
> >happen in first 30 days and can be replaced very easily.
> >
> >

> >Make sure you buy an extend warranty on high priced products.
> >My HTX-202 went to repair for a couple of times and I got a new one.
> >If I had no extended warranty, my HTX-202 just became a garbage (202
> >comes only 90 day warranty).
> >
> >>Here my brand new HTX-212 spending more time in the shop that actual
> usage!
> >
> >I am using HTX-242.   Seems it's working OK.
> >
> >
> >>I have a HTX-202, works great, along with my ICOM IC-02AT which I've
been
> >>using 320 days a year since 1989.
> >
> >>no problems with voltage, or swr.
> >
> >
> >> So why did the HTX-212 fail me twice?
> >
> >you didn't have a luck.
> >
> >
> >>So next time, buy the extended warranty for Radio Shack radios.
> >
> >depends on what you purchase though...
> >
> >I don't buy any extended warranties on scanners...   but I do buy it
> >on amateur stuffs.
> >
> >
> >>never again to buy a Radio Shack mobile.
> >
> >
> >My 242 is working OK.   My 202 wasn't working OK.
> >kinda opposite eh ??
> >
> >
> >____
> >
> >Gar�on Mignon (�galement connu comme M@S@)
> >Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
> >�tudient @ Informatique et Math�matiques d'Universit� McGill
> >Montr�al, Qu�bec, Canada
> >Mail-Electronique: cute@radiotelephone.net.ham
> >URL : http://www.radiotelephone.net   (Universel)
> >   http://www.radiotelephone.net/amateur/   (Radio)
> >   http://www.geocities.com/~masataka/mcgill.htm (Universit�
McGill)
> >____
> >***Enlevez l' " .ham " pour r�pondre.***
> >***Please remove "ham" to reply.***
> >

> >ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non sollicit�s!!
>
>
>

From 6700327971312662340
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 1091c5,308584e7ee36afcb
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,308584e7ee36afcb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,308584e7ee36afcb
X-Google-Attributes: gid106d41,public
X-Google-Thread: 107ada,308584e7ee36afcb
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108778,308584e7ee36afcb
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,308584e7ee36afcb
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,308584e7ee36afcb
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa656,308584e7ee36afcb
X-Google-Attributes: gidfa656,public
From: whisper@igs.net (Peter)
Subject: Re: radio shacks 2-meter rigs
Date: 1998/01/15
Message-ID: <34bda02e.15909245@news.igs.net>#1/1
X-Deja-AN: 316076940
References: <01bd13ac$f1425200$081871ce@default> <687q95$ie0$1@news.bc> <34abc5f8.164334@news.total.net> <34adb5a9.0@198.164.187.20> <01bd2114$30aabbc0$17acb38c@pmetcalf.xyplex.com>
Organization: IGS - Information Gateway Services
Reply-To: whisper@igs.net
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

My HTX 202 has performed under very tough conditions for over 4 years now, flawlessly.
There seemed to be a group of them however, roughly two to three years ago that had some serious problems with the finals and bias.Also some modulation problems were reported.
I think when they tried to speed up production to meet demand, quality control went out the window.
On the subject of intermod, I have found the HTX 202 superior to most portables. If you modify them for wide band receive however, there are serious problems with rejection.
Just remember it is a portable, and any comparison must be with other portables.

Just my thoughts.

Peter DeWolf
VE3YYY

On 14 Jan 1998 17:44:06 GMT, "Phil Metcalf" <pmetcalf@xyplex.com>
wrote:

>
>
>It is most likely Intermodulation that is causing you to hear the ambulance
>service. Intermodulation is the mixing of 2 or more frequencies resulting
>in the creation of another frequency. This frequency may fall within your
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>
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>> >
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>> >
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>> >
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>> >
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>been
>> >>using 320 days a year since 1989.
>> >
>> >>no problems with voltage, or swr.
>> >
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>> >
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>> >
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>> >
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```
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>> >
>> >
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>> >
>> >
>> >My 242 is working OK.    My 202 wasn't working OK.
>> >kinda opposite eh ??
>> >
>> >
>> >______________________________________________________________________
>> >
>> >Gar�on Mignon (�galement connu comme M@S@)
>> >Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
>> >�tudient @ Informatique et Math�matiques d'Universit� McGill
>> >Montr�al, Qu�bec, Canada
>> >Mail-Electronique: cute@radiotelephone.net.ham
>> >URL : http://www.radiotelephone.net            (Universel)
>> >   http://www.radiotelephone.net/amateur/   (Radio)
>> >          http://www.geocities.com/~masataka/mcgill.htm (Universit�
>McGill)
>> >______________________________________________________________________
>> >***Enlevez l' " .ham " pour r�pondre.***
>> >***Please remove "ham" to reply.***
>> >
>> >ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non
>> sollicit�s!!
>>
>>
>>
```

```
From 3197660483032363740
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,184f0a4e416eeae8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,184f0a4e416eeae8
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,184f0a4e416eeae8
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,184f0a4e416eeae8
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,184f0a4e416eeae8
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,184f0a4e416eeae8
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,184f0a4e416eeae8
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 1031c8,184f0a4e416eeae8
X-Google-Attributes: gid1031c8,public
From: Bob Stadtherr <bstadtherr@tcsn.net>
```

Subject: Re: GE Master 2 HELP PLEASE!!
Date: 1998/01/15
Message-ID: <34BE56D8.6708@tcsn.net>#1/1
X-Deja-AN: 316275401
Content-Transfer-Encoding: 7bit
References: <34B4FC4A.AA6A15FD@flash.net> <34B7B995.264@earthlink.net> <34bff66e.105571726@news.dlcwest.com>
Content-Type: text/plain; charset=us-ascii
Organization: Bob Stadtherr Engineering
Mime-Version: 1.0
Reply-To: bstadtherr@tcsn.net
Newsgroups: rec.radio.amateur.equipment,rec.radio.amateur,rec.radio.swap,rec.radio.amateur.swap,rec.radio.amateur.antenna,rec.radio.amateur.misc,rec.ham-radio,rec.ham-radio.swap

Well, OK... here we go

1	DC CONV CONT
2	MIC LO
3	RX MUTE
4	MIC HI
5	SPARE
6	CG DISABLE
7	SPARE
8	F1
9	F2
10	F3
11	F4
12	F5
13	F6
14	F7
15	F8
16	CAS
17	SQ ARM
18	VOL/SQ LO
19	VOL ARM
20	VOL/SQ HI
21	CONTROL A-
22	RX PA
23	SQ DISABLE
24**	IGN SWITCH
25	PTT
26	BLKR DISABLE
27	SPKR LO
28	SPKR HI
29**	A+
30**	A-
31	F9
32	F10
33	SPARE
34	SPARE

35   F11
36   F12
37   SPARE
38   SPARE
39   TX A+
40   TX A-

Have a blast,
Bob KI6WO

From 2410227610101332684
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c01c4b53b0aaf469
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,c01c4b53b0aaf469
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,c01c4b53b0aaf469
X-Google-Attributes: gidfc2a5,public
From: "John M. Domblewski" <wendysue@global2000.net>
Subject: Re: Repeater desense, what�s the mechanism?
Date: 1998/01/15
Message-ID: <34BEBC0C.69BE5380@global2000.net>#1/1
X-Deja-AN: 316398821
References: <34B1869B.9EE@ethergate.com> <34bbf2a5.425454240@news.sci.fi>
<34B89846.2F66BCE5@yahoo.com> <34B9651A.25B3@ethergate.com>
Content-Type: multipart/alternative;
boundary="------------67B59D49F2EE480118DDEE1A"
Organization: Mobile Office Services
Mime-Version: 1.0
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.homebrew

--------------67B59D49F2EE480118DDEE1A
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Boy, am I impressed with your mastery of the english language!

John

&miker wrote:

> gambino wrote:

--------------67B59D49F2EE480118DDEE1A
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<HTML>
<FONT SIZE=+3>Boy, am I impressed with your mastery of the english language!</

```
FONT>

<P>John

<P>&amp;miker wrote:
<BLOCKQUOTE TYPE=CITE>gambino wrote:</BLOCKQUOTE>
</HTML>

--------------67B59D49F2EE480118DDEE1A--




From -3668195975394171126
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a55a373b079e85d5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a55a373b079e85d5,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10aaeb,a55a373b079e85d5,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 1031c8,a55a373b079e85d5,start
X-Google-Attributes: gid1031c8,public
From: "J. Daniel Bell, Jr. KC4OXP" <kc4oxp@flash.net>
Subject: WTD:Compaq Presario 200Mhz Motherboard for
Date: 1998/01/16
Message-ID: <69p66i$f49$1@excalibur.flash.net>#1/1
X-Deja-AN: 316725361
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: Flashnet Communications, http://www.flash.net
Newsgroups: alabama.birmingham.radio.amateur,rec.ham-
radio,rec.radio.amateur.equipment,rec.radio.amateur.swap


What I have is a Compaq Presario 200mhz Motherboard - No CPU - No Memory -
Just a NEW 200 Mhz Motherboard - RETAIL $995 just for the motherboard the
way it is..
Retails over $900 just for the motherboard

Looking for more Amateur Radio Gear .. Email me with what you have to offer
I am OPEN to just about anything dealing with ham radio
73 Daniel KC4OXP
KC4OXP@QSL.NET




From 2711120123001115997
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a55a373b079e85d5
X-Google-Attributes: gid10c9e3,public
```

X-Google-Thread: 10aaeb,a55a373b079e85d5
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 108122,a55a373b079e85d5
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,a55a373b079e85d5
X-Google-Attributes: gid1031c8,public
From: Anthony Dercole <adercole@bellsouth.net>
Subject: Re: WTD:Compaq Presario 200Mhz Motherboard for
Date: 1998/01/17
Message-ID: <34C0893C.8BEFCF1B@bellsouth.net>#1/1
X-Deja-AN: 316900410
Content-Transfer-Encoding: 7bit
References: <69p66i$f49$1@excalibur.flash.net>
MIME-Version: 1.0
NNTP-Posting-Date: Sat, 17 Jan 1998 15:35:41 EST
Reply-To: adercole@bellsouth.net
Content-Type: text/plain; charset=us-ascii
Newsgroups: alabama.birmingham.radio.amateur,rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.swap

Daniel,
I hate to burst your bubble but what you have is worthless. I suggest you check out some on line motherboard suppliers and you'll see you can get a motherboard for around $80.00 but unfortunately because what you have is a coimpaq they made special connector and such. Its just not supportable.

tony

J. Daniel Bell, Jr. KC4OXP wrote:

> What I have is a Compaq Presario 200mhz Motherboard - No CPU - No Memory -
> Just a NEW 200 Mhz Motherboard - RETAIL $995 just for the motherboard the
> way it is..
> Retails over $900 just for the motherboard
>
> Looking for more Amateur Radio Gear .. Email me with what you have to offer
> I am OPEN to just about anything dealing with ham radio
> 73 Daniel KC4OXP
> KC4OXP@QSL.NET

From 2504296407959276302
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28921e15b3c1493b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,28921e15b3c1493b
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,28921e15b3c1493b

X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa656,28921e15b3c1493b
X-Google-Attributes: gidfa656,public
X-Google-Thread: fa029,28921e15b3c1493b
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1109af,28921e15b3c1493b
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,28921e15b3c1493b
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc2a5,28921e15b3c1493b
X-Google-Attributes: gidfc2a5,public
From: "Avishay Dinar" <avishay.d@bigfoot.com>
Subject: Re: Kenwood 599D Twins: HELP!
Date: 1998/01/18
Message-ID: <69snpf$jlo$1@news.NetVision.net.il>#1/1
X-Deja-AN: 317050469
References: <34BCC40A.39C6A9A6@citynet.net> <eDUct0UI9GA.134@upnetnews03>
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
Organization: NetVision LTD.
Newsgroups:
rec.radio.amateur.homebrew,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.swap,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.misc

Richard Kerr wrote in message ...
>Try dropping a line to JA9MAT .
>js9mat@nsknet.or.jp
>
>I think he use to run the Kenwood (Trio) Twins at one time.
>
>73
>Rick-KA8EGS
>
>
>

Can you explain yourself please? I used to have the same problem. Turns out to be wrong voltage currency or something...

AD - 4X89CX

From -5748303286371122417
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2212d660b7916e95,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,2212d660b7916e95,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fc2a5,2212d660b7916e95,start

X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 107ada,2212d660b7916e95,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114671,2212d660b7916e95,start
X-Google-Attributes: gid114671,public
X-Google-Thread: 108122,2212d660b7916e95,start
X-Google-Attributes: gid108122,public
From: gilly@camtech.net.au (Alan Gilchrist)
Subject: Transverting with a Kenwood TS 450 ?
Date: 1998/01/18
Message-ID: <34c1dfd6.50653415@news.camtech.net.au>#1/1
X-Deja-AN: 317129706
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Organization: Camtech (SA) Pty Ltd Customer
Newsgroups: aus.radio.amateur.misc,rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

Hi to all on the News Group !

My old TS 180 (and apparently a lot of other transceivers)
have a connection for interfacing a transverter.

I cant see any reference in my manual for such
an interface on my TS 450.

Can anyone enlighten me ?

Thanks   Alan VK5BWG
Alan   gilly@camtech.net.au

From -559915370195777551
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c92c756b6b43516
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,982fda335f40b7fe
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,2c92c756b6b43516
X-Google-Attributes: gidfa656,public
X-Google-Thread: 106d41,2c92c756b6b43516
X-Google-Attributes: gid106d41,public
From: "William Lee" <willee@interconnect.net>
Subject: Re: HAM CLUBS & NG's ALL THE SAME
Date: 1998/01/18
Message-ID: <69ttad$mcc$1@usenet76.supernews.com>#1/1
X-Deja-AN: 317167231
References: <01bd120e$1922e000$LocalHost@kimo9> <01bd120e$f0a79ac0$LocalHost@kimo9> <34B892D7.931A4F87@yahoo.com>

X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

gambino wrote in message <34B892D7.931A4F87@yahoo.com>...
>Don't feel alone, your observation is very much the truth...
>Radio in general is stale because of these , pardon my jargon, Old Farts &
Know it
>alls.
>When I got into Ham rdaio (bout 6yrs ago) I was an avid electronic
enthusiast &
>wanted more, more, more knowledge... I was also a hacker of the highest
degree
>(still am) & ended up teaching myself most of what I know...
>I found it annoying to have to listen to these A**holes chastise other
"younger
>generation" Hams, because we didn't have 9 mile high HF towers or, know
code, or say
>73's, etc...
>Well I eventually got so into radio I ended up a Radio Technician, you
would think,
>every Ham's dream job, right?   WRONG. I met the most dispicable people,
many of
>which were Hams, The commercial guys always felt they were above Hams,
simply
>because, they got paid to do it & use commercial equipment.... I was
constantly
>harrased being a ham working in commercial radio, by the older "more
experienced"
>guys, I didn't give a shit, I excelled & eventually started my own shop.
Mind you, I
>was only 25.
>I got so fed up though with the assholes in the business, many of which run
closed
>repeaters & the ones whop think they are so much smarter than me & think
simply cuz
>I was 23, 24,25 yrs old, I didn't know a damn about radio, while at the
same time I
>was getting paid to fix their radios & being Emailed up the wazooo to
answer tech
>questions on related topics...
>It is PURE arrogance on the part of these guys who think they know
everything & feel
>bestowed to treat other guys like shit cuz they are new to the hobby...
>I absolutely am turned off by the 'radio crowd' in my parts (Bay Area ,
Ca.), bunch
>of old effer's who have a monopoly on freq pairs cuz they have money & are
all part
>of the same "old boys club"...
>Screw those guys, I could of continued to make money doing radio on my own,
but why

```
>work around assholes I can't stand?
>I switched careers & am now a Network Engineer making almost twice the
salary, and
>I'm still only 26... I also run my own Paging & Email service. so I still
have ties
>to the wireless industry both commercially & as a hobby of course.... I
have a truck
>fully decked out for communications, with all the top gear, but that
doesn't make a
>better ham than anyone else though, what does make me way better than these
old
>assholes, is I won't chew your ass if you ask a "dumb" newbie question, or
debate
>it, nor will I run you off a repeater, because it's "Private".... I am
willing to
>spread the knowledge & help other guys who don't know what I know, believe
me I
>learned a lot of secrets working in the business & never hesitate to share
them..
>Face it Old Timers, the days of the secret handshake are over....
>Who gives a damn if we dont't know about about tubes, crystals & code....
>You can't hold back NEWER Technology or the knowledge thereof...
>It's alright dano, I'm on your side.
>
Damm sounds like another know it all...........
```

```
From -3282370346084729376
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c92c756b6b43516
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,2c92c756b6b43516
X-Google-Attributes: gid106d41,public
X-Google-Thread: 107ada,982fda335f40b7fe
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,2c92c756b6b43516
X-Google-Attributes: gidfa656,public
From: Costas Hazimanolis <costas@pathway.net>
Subject: Re: HAM CLUBS & NG's ALL THE SAME
Date: 1998/01/19
Message-ID: <69u53s$psr$0@207.76.141.37>#1/1
X-Deja-AN: 317197780
Content-Transfer-Encoding: 7bit
References: <01bd120e$1922e000$LocalHost@kimo9>
<01bd120e$f0a79ac0$LocalHost@kimo9> <34B892D7.931A4F87@yahoo.com>
<34BBFF66.B4061663@usit.net>
Mime-Version: 1.0
Reply-To: costas@pathway.net
Content-Type: text/plain; charset=us-ascii
Organization: pathway.net
```

Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

Don McPherson wrote:
>
> Try being nice. dont waste your life fretting away at old farts and young
impertinate
> assholes!
>
> gambino wrote:
>
> > Don't feel alone, your observation is very much the truth...
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Know it
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> > When I got into Ham rdaio (bout 6yrs ago) I was an avid electronic enthusiast
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> > (still am) & ended up teaching myself most of what I know...
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> > 73's, etc...
> > Well I eventually got so into radio I ended up a Radio Technician, you would
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> > every Ham's dream job, right?   WRONG. I met the most dispicable people, many
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> > harrased being a ham working in commercial radio, by the older "more
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> > guys, I didn't give a shit, I excelled & eventually started my own shop. Mind
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> > repeaters & the ones whop think they are so much smarter than me & think
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> > I was 23, 24,25 yrs old, I didn't know a damn about radio, while at the same
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> > was getting paid to fix their radios & being Emailed up the wazooo to answer
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> > questions on related topics...
> > It is PURE arrogance on the part of these guys who think they know everything
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> > bestowed to treat other guys like shit cuz they are new to the hobby...
> > I absolutely am turned off by the 'radio crowd' in my parts (Bay Area , Ca.),
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> > of old effer's who have a monopoly on freq pairs cuz they have money & are all
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> > of the same "old boys club"...

> > Screw those guys, I could of continued to make money doing radio on my own, but why
> > work around assholes I can't stand?
> > I switched careers & am now a Network Engineer making almost twice the salary, and
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> > to the wireless industry both commercially & as a hobby of course.... I have a truck
> > fully decked out for communications, with all the top gear, but that doesn't make a
> > better ham than anyone else though, what does make me way better than these old
> > assholes, is I won't chew your ass if you ask a "dumb" newbie question, or debate
> > it, nor will I run you off a repeater, because it's "Private".... I am willing to
> > spread the knowledge & help other guys who don't know what I know, believe me I
> > learned a lot of secrets working in the business & never hesitate to share them..
> > Face it Old Timers, the days of the secret handshake are over....
> > Who gives a damn if we dont't know about about tubes, crystals & code....
> > You can't hold back NEWER Technology or the knowledge thereof...
> > It's alright dano, I'm on your side.
> >
> > DANO wrote:
> >
> > > as someone making my way into the word of ham radio, i've noticed a common
> > > thread betweem the type of people involved in club's,ng's, and even the
> > > crowd at hamfest's.
> > >   when a conversation is started by a newbie asking a question about
> > > anything, the initial question gets lost in the disagreement over a phrase
> > > or misquote that some "know - it - all" has to throw in. of course the
> > > person, who is asking the the question, gets forgotten about cause the rest
> > > of the answer from some person walking by is then debated for the rest of
> > > the day.
> > >   HMMMM. seems to me that anyone under 55 yrs old is more interested in
> > > "knowing more" than the guy next to him, and i find these rocket scientist
> > > to be more anoying than helpful.
> > >   if everyone was as interested in furthering their "knowledge base" and
> > > help the less experienced operators further their's, nobody would have to
> > > worry about the loss of ham bands to others.
> > >
> > >   to prove my point, i ask all of you to scan the postings of this
> > > group and see how many legit questions asking for help or opinions on
> > > equipment are responded to.
> > >   then look at all the general comments and debates posted with their
> > > responces.
> > > in one day i saw a ratio of 10:1 in favor of the debates.
> > >
> > >   IN THE 1960'S JFK SAID " ASK NOT WHAT YOUR COUNTRY CAN DO FOR YOU, ASK

> > > WHAT YOU CAN DO FOR YOUR COUNTRY"
> > >
> > > i'm 34, never learned that quote from school, but i practice it every day.
> > > anyone else care to give it a try. we just might save ham radio for our
> > > children
> > >
> > >   DAN0

Let's try to "talk" on the ng as though we were on the air.
Clean language and no foul metaphores.
K3KKI

From 2089075359662309070
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c01c4b53b0aaf469
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,c01c4b53b0aaf469
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,c01c4b53b0aaf469
X-Google-Attributes: gidfc2a5,public
From: Costas Hazimanolis <costas@pathway.net>
Subject: Re: Repeater desense, what�s the mechanism?
Date: 1998/01/19
Message-ID: <69u794$psr$1@207.76.141.37>#1/1
X-Deja-AN: 317205433
Content-Transfer-Encoding: 7bit
References: <34B1869B.9EE@ethergate.com> <34bbf2a5.425454240@news.sci.fi>
<34B89846.2F66BCE5@yahoo.com> <34B9651A.25B3@ethergate.com>
<34BEBC0C.69BE5380@global2000.net>
Mime-Version: 1.0
Reply-To: costas@pathway.net
Content-Type: text/plain; charset=us-ascii
Organization: pathway.net
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.homebrew

John M. Domblewski wrote:
>
> Boy, am I impressed with your mastery of the english language!
>
> John
>
> &miker wrote:
>
>   gambino wrote:

Fellow Hams
I can't understand the advantage of the foul language on these
postings. Let's all get together and see if we can stop this.
Hate to see ham radio go the way of the "citizen's band".
K3KKI

```
From -5678696513967457405
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7b6d62f3b91469e3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7b6d62f3b91469e3,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,7b6d62f3b91469e3,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,7b6d62f3b91469e3,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,7b6d62f3b91469e3,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fcc6e,7b6d62f3b91469e3,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,7b6d62f3b91469e3,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,7b6d62f3b91469e3,start
X-Google-Attributes: gid1031c8,public
From: Cole and Kathy <kc5swi@flash.net>
Subject: WTB dECIBEL db224e Repeater Antenna
Date: 1998/01/22
Message-ID: <34C82044.B48B8BF@flash.net>#1/1
X-Deja-AN: 318511808
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Organization: Flashnet Communications, http://www.flash.net
Mime-Version: 1.0
Reply-To: kc5swi@flash.net
Newsgroups:
rec.radio.amateur.equipment,rec.radio.amateur,rec.radio.swap,rec.radio.amateur.swa
p,rec.radio.amateur.antenna,rec.radio.amateur.misc,rec.ham-radio,rec.ham-
radio.swap
```

Looking for a used or reasonable priced decibel db224E OR DB228 REPEATER
TO USE WITH A 2 METER REPEATER.

PLEASE EMAIL PRICE AND CONDITION TO kcswi@flash.net

THANKS
73
coLE
KC5SWI

```
From 8028531980102504409
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2212d660b7916e95
X-Google-Attributes: gid10c9e3,public
```

X-Google-Thread: 108122,2212d660b7916e95
X-Google-Attributes: gid108122,public
X-Google-Thread: 114671,2212d660b7916e95
X-Google-Attributes: gid114671,public
X-Google-Thread: f64c6,2212d660b7916e95
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 107ada,2212d660b7916e95
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc2a5,2212d660b7916e95
X-Google-Attributes: gidfc2a5,public
From: ke4zv@bellsouth.net (Gary Coffman)
Subject: Re: Transverting with a Kenwood TS 450 ?
Date: 1998/01/27
Message-ID: <34ce04c8.490296166@news.atl.bellsouth.net>#1/1
X-Deja-AN: 319692597
References: <34c1dfd6.50653415@news.camtech.net.au>
<34cce0ca.2504459@news.ozemail.com.au>
NNTP-Posting-Date: Tue, 27 Jan 1998 11:06:12 EST
Newsgroups: aus.radio.amateur.misc,rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

On Mon, 26 Jan 1998 19:41:18 GMT, andrewd@ozemail.com.au (Andrew Davis) wrote:

>
>I can't speak for Kenwood but it seems they don't believe we need
>transverters any more. Why? Probably because they would prefer us to
>buy a new radio that includes a "VHF" band. 6m is now a standard
>inclusion in many "HF" radios, reducing the potential need for
>transverters by a huge number. Now ICOM have announced the 746 with
>100 watts on HF, 6m and 2m. So the only people needing a transverter
>now are the very small number who want to use linear modes on bands
>above 148. So probably it just isn't worth complicating an HF rig
>with something a small minority is interested in. Those buyers will
>have to use an older radio instead!

The reality is that there has never been a large demand for, or use of, transverters with HF radios in the first place. And now there is even less demand and reason for them thanks to the popularity of VHF+ multimodes and the expansion of most HF rigs to include 6m. The transverter jacks (and associated internals) have become an unnecessary expense in a market where price competition has become increasingly cutthroat.

Now I'm not happy about that, because I'm in that small minority who use transverters, but that's the reality of the situation. To most purchasers of HF rigs, transverter capability is about as useful as tits on a boar hog. Those of us who do use transverters likely have the expertise to modify a radio to work with them in any event, so the issue is really moot.

Gary

```
Gary Coffman KE4ZV  | You make it  |mail to ke4zv@bellsouth.net
534 Shannon Way     | We break it  |
Lawrenceville, GA   | Guaranteed   |
```

From 4852188205041029786
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c92c756b6b43516
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,982fda335f40b7fe
X-Google-Attributes: gid107ada,public
X-Google-Thread: 106d41,2c92c756b6b43516
X-Google-Attributes: gid106d41,public
X-Google-Thread: fa656,2c92c756b6b43516
X-Google-Attributes: gidfa656,public
From: "Jerome M. Kutche" <n9lya@tima.com>
Subject: Re: HAM CLUBS & NG's ALL THE SAME
Date: 1998/01/27
Message-ID: <34CE60B5.41A54B47@tima.com>#1/1
X-Deja-AN: 319795957
Content-Transfer-Encoding: 7bit
References: <01bd120e$1922e000$LocalHost@kimo9>
<01bd120e$f0a79ac0$LocalHost@kimo9> <34B892D7.931A4F87@yahoo.com>
<69ttad$mcc$1@usenet76.supernews.com>
Content-Type: text/plain; charset=us-ascii
Organization: n9lya
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

Maybe he is now a know it all... I went the same route... I know he is right!!!

William Lee wrote:

> gambino wrote in message <34B892D7.931A4F87@yahoo.com>...
> >Don't feel alone, your observation is very much the truth...
> >Radio in general is stale because of these , pardon my jargon, Old Farts &
> Know it
> >alls.
> >When I got into Ham rdaio (bout 6yrs ago) I was an avid electronic
> enthusiast &
> >wanted more, more, more knowledge... I was also a hacker of the highest
> degree
> >(still am) & ended up teaching myself most of what I know...
> >I found it annoying to have to listen to these A**holes chastise other
> "younger
> >generation" Hams, because we didn't have 9 mile high HF towers or, know
> code, or say
> >73's, etc...
> >Well I eventually got so into radio I ended up a Radio Technician, you
> would think,

> >every Ham's dream job, right?   WRONG. I met the most dispicable people,
> many of
> >which were Hams, The commercial guys always felt they were above Hams,
> simply
> >because, they got paid to do it & use commercial equipment.... I was
> constantly
> >harrased being a ham working in commercial radio, by the older "more
> experienced"
> >guys, I didn't give a shit, I excelled & eventually started my own shop.
> Mind you, I
> >was only 25.
> >I got so fed up though with the assholes in the business, many of which run
> closed
> >repeaters & the ones whop think they are so much smarter than me & think
> simply cuz
> >I was 23, 24,25 yrs old, I didn't know a damn about radio, while at the
> same time I
> >was getting paid to fix their radios & being Emailed up the wazooo to
> answer tech
> >questions on related topics...
> >It is PURE arrogance on the part of these guys who think they know
> everything & feel
> >bestowed to treat other guys like shit cuz they are new to the hobby...
> >I absolutely am turned off by the 'radio crowd' in my parts (Bay Area ,
> Ca.), bunch
> >of old effer's who have a monopoly on freq pairs cuz they have money & are
> all part
> >of the same "old boys club"...
> >Screw those guys, I could of continued to make money doing radio on my own,
> but why
> >work around assholes I can't stand?
> >I switched careers & am now a Network Engineer making almost twice the
> salary, and
> >I'm still only 26... I also run my own Paging & Email service. so I still
> have ties
> >to the wireless industry both commercially & as a hobby of course.... I
> have a truck
> >fully decked out for communications, with all the top gear, but that
> doesn't make a
> >better ham than anyone else though, what does make me way better than these
> old
> >assholes, is I won't chew your ass if you ask a "dumb" newbie question, or
> debate
> >it, nor will I run you off a repeater, because it's "Private".... I am
> willing to
> >spread the knowledge & help other guys who don't know what I know, believe
> me I
> >learned a lot of secrets working in the business & never hesitate to share
> them..
> >Face it Old Timers, the days of the secret handshake are over....
> >Who gives a damn if we dont't know about about tubes, crystals & code....
> >You can't hold back NEWER Technology or the knowledge thereof...
> >It's alright dano, I'm on your side.

> >
> Damm sounds like another know it all..........

```
From -2232000750278972506
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10cf20,2d76485fcfa128c7
X-Google-Attributes: gid10cf20,public
X-Google-Thread: 10c9e3,2d76485fcfa128c7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 102698,2d76485fcfa128c7
X-Google-Attributes: gid102698,public
X-Google-Thread: fa656,2d76485fcfa128c7
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,2d76485fcfa128c7
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10c124,2d76485fcfa128c7
X-Google-Attributes: gid10c124,public
From: "Ray Brown" <r_brown@getonthe.net>
Subject: New Listserv for "Tornado Alley" SKYWARN.
Date: 1998/01/27
Message-ID: <01bd2add$9b26eb40$adaf32cf@r_brown.getonthe.net>#1/1
X-Deja-AN: 320010713
References: <01bd1f08$3846b7c0$49068ed0@r_brown.getonthe.net>
Organization: R.A.B.B.I.T., Inc.
Newsgroups:
rec.radio.amateur.misc,rec.radio.amateur,alt.talk.weather,alt.disasters.misc,alt.d
isasters.planning,rec.ham-radio
```

Howdy! It's time to start thinking about severe weather in Oklahoma, Kansas, Arkansas, and Missouri. To that end, I would like to announce the creation of a new Listserv for folks who are interested in, or already participate in, the SKYWARN program in the states of Oklahoma, Kansas, Arkansas, and Missouri. One does _not_ have to be a licensed amateur radio operator to participate in SKYWARN, although "ham" radio does play a major role in getting information to and from the various National Weather Service offices.

This Listserv will _NOT_ be used for issuing any watches or warnings, but rather to discuss what SKYWARN does, information about training classes, and related matters (including discussion of ARES and REACT). Anyone is welcome to participate (subscribe), but this Listserv will concentrate on the 4 central States that make up "Tornado Alley".

To participate, contact the Administrator for the Listserv - me! :-) Send a message to   r_brown@getonthe.net and I'll send you the URL information.

Thanks, and 73 (Best Regards)!

Ray Brown, KB0STN
Assistant EC, Jasper Co, MO ARES

From 5287521989910198823
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,2923f00d7dc627cd,start
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,2923f00d7dc627cd,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,2923f00d7dc627cd,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 108122,2923f00d7dc627cd,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,2923f00d7dc627cd,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,2923f00d7dc627cd,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,2923f00d7dc627cd,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 107ada,2923f00d7dc627cd,start
X-Google-Attributes: gid107ada,public
From: "Charles Francer" <francer@gis.net>
Subject: FS Drake & A&A Products
Date: 1998/01/28
Message-ID: <01bd2c02$22b3b000$d6d271d1@francer.gis.net>#1/1
X-Deja-AN: 319991931
Organization: All USENET -- http://www.Supernews.com
Newsgroups: alt.ham-radio.fm,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.shortwave,rec.radio.swap

CONTACT Dave - ka1dpw@erols.com
A & A Engineering 30 meter CW, 5 watt QRP transceiver.AGC, VFO,
single m conversion, sidetone, and
S-meter. Fully built, tested, and calibrated, never used. $100. Contact
Dave. Ka1dpw@erols.com

Drake SW-2 IR Remote Control and carry handle, brand new, got in
anticipation of buying SW-2 and never bought radio. Paid $55 for both,
will sell for $40. Contact Dave ka1dpw@erols.com

From -1486505578268827019
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,2212d660b7916e95

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,2212d660b7916e95
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 107ada,2212d660b7916e95
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,2212d660b7916e95
X-Google-Attributes: gid108122,public
X-Google-Thread: fc2a5,2212d660b7916e95
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 114671,2212d660b7916e95
X-Google-Attributes: gid114671,public
From: LA8akc@online.no (J M N�ding)
Subject: Re: Transverting with a Kenwood TS 450 ?
Date: 1998/01/28
Message-ID: <34cf7801.8760043@news.sol.no>#1/1
X-Deja-AN: 320032096
References: <34c1dfd6.50653415@news.camtech.net.au> <34cce0ca.2504459@news.ozemail.com.au> <34ce04c8.490296166@news.atl.bellsouth.net>
Organization: NRRL (since Aug.1960), RSGB (since Jan.1974)
Reply-To: LA8akc@online.no
Newsgroups: aus.radio.amateur.misc,rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

On Tue, 27 Jan 1998 16:06:12 GMT, ke4zv@bellsouth.net (Gary Coffman) wrote:

>On Mon, 26 Jan 1998 19:41:18 GMT, andrewd@ozemail.com.au (Andrew Davis)
>wrote:
>>
>>I can't speak for Kenwood but it seems they don't believe we need
>>transverters any more. Why? Probably because they would prefer us to
>>buy a new radio that includes a "VHF" band.   6m is now a standard
>>inclusion in many "HF" radios, reducing the potential need for
>>transverters by a huge number. Now ICOM have announced the 746 with
>>100 watts on HF, 6m and 2m. So the only people needing a transverter
>>now are the very small number who want to use linear modes on bands
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>VHF+ multimodes and the expansion of most HF rigs to include
>6m. The transverter jacks (and associated internals) have become
>an unnecessary expense in a market where price competition has
>become increasingly cutthroat.
>
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>who use transverters, but that's the reality of the situation. To
>most purchasers of HF rigs, transverter capability is about as

>useful as tits on a boar hog. Those of us who do use transverters
>likely have the expertise to modify a radio to work with them in
>any event, so the issue is really moot.
>
>Gary
>Gary Coffman KE4ZV | You make it |mail to ke4zv@bellsouth.net

VHF DX'er often seem to prefer using transverters since VHF transceivers may have low dynamic range and few facilities for DX'ing. I use FT-902DM with transverters for 6m/2m/70cm/23cm and IC202 for 13/6/3cm SSB/CW.

In DUBUS info nr 2/92 (17 pages) DJ9BV writes:
Kenwood TS-850S Product Preview, bilingual article (German/English) covering the following subjects:
1.Requirements
2.Evaluation
2.1Good points, RX, IF selectivity, variable bandwidth control, IF-noise, IF-intermodulation, Attenuator, CW operation,
2.1.2 TX, output power, spurious, keying, Speech processor, ALC, Monitor,
2.1.3 LO, tuning, spurious, phase noise,
2.1.4 General Handling, Transverter operation, Frequency display, analog S-meter,
2.1.5 Production quality,
2.1.6 Documentation,
2.2 Rough points
DSP-100 digital signal processor
2.3 Possible improvements
Input-IP, Noise blanker
Filter on 1st IF, Filter selection, SSB filter on 455kHz, Notch filter, S-meter, Gain normalisation,
Frequency display for transverters,
3. Modifications
3.1 Connecting transverter
3.2 Keying speeds for CW MS
3.3 TX Power control
3.4 Conclusion

tables/figures:
Measurements TS850 on 28MHz
1. Input IP (DL1BU)
2. IF-stopband (G3SJX)
3. Selectivity of 250/455kHz filter (DL1BU)
4. IF intermodulation (DL1BU)
x) RX Sideband/phasenoise on 28MHz in dB/Hz
5) TX spurious output signal (28MHz)
6) S-meter Linearity(DL1BU)
7)Modification for transverter connection (circuit)
8. position of C248/C249 on RF unit
9. Position of C202 on IF unit
10) Adjustment points on RF units (TC1)

If you are interested to buy a copy of this magazine, send a note to dubus01@ibm.net (I hope this email addr still applies)

73

Jan-Martin N�ding -
email: LA8AK@online.no

From -6403994956422827935
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8203396595b2feda,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,8203396595b2feda,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 108122,8203396595b2feda,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10fbd1,8203396595b2feda,start
X-Google-Attributes: gid10fbd1,public
X-Google-Thread: 1109af,8203396595b2feda,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,8203396595b2feda,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1156cd,8203396595b2feda,start
X-Google-Attributes: gid1156cd,public
X-Google-Thread: 1031c8,8203396595b2feda,start
X-Google-Attributes: gid1031c8,public
From: "J. Daniel Bell, Jr." <kc4oxp@flash.net>
Subject: WTB: 2 METER HT
Date: 1998/02/05
Message-ID: <6bdafk$da6$1@excalibur.flash.net>#1/1
X-Deja-AN: 322420871
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: Flashnet Communications, http://www.flash.net
Newsgroups: alabama.birmingham.radio.amateur,atl.forsale,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.packet,rec.radio.amateur.swap,rec.radio.swap,tnn.radio.amateur

What I am looking for now is a 2 meter ht. Would perfer ht with accessories and in good working and cosmetic condition. Here is what I have for trade.

What I do have for trade is the following items...

NEW * Only used 1 month Connectix COLOR Camera w/software - Hooks up to your printer port.

NEW * Less than 3 months old - CCT Color Security Camera - value over $350
i can send a digital picture
of camera if interested)

NEW * Only used 2 months - Color TV Computer Card, works perfectly, used either for cable tv or your outside tv antenna * Comes with Win 3.1 and Win 95 Disk .. Cost me $250

If you would be interested in a trade, please contact via email at KC4OXP@QSL.NET

73 Daniel KC4OXP

```
From -895592530858041690
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,52c075a705a17ed0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,52c075a705a17ed0,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,52c075a705a17ed0,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 107ada,52c075a705a17ed0,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1109af,52c075a705a17ed0,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fcc6e,52c075a705a17ed0,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f76e2,52c075a705a17ed0,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,52c075a705a17ed0,start
X-Google-Attributes: gidfa656,public
From: "Cole , Kathy, Claire" <kc5swi@flash.net>
Subject: WTB: Decibel 224 or 228 Antenna
Date: 1998/02/08
Message-ID: <34DE8224.8AE89DB8@flash.net>#1/1
X-Deja-AN: 323321457
Content-Transfer-Encoding: 7bit
Mime-Version: 1.0
Reply-To: kc5swi@flash.net
Content-Type: text/plain; charset=us-ascii
Organization: Flashnet Communications, http://www.flash.net
Newsgroups:
rec.radio.amateur.equipment,rec.radio.amateur,rec.radio.swap,rec.radio.amateur.swap,rec.radio.amateur.antenna,rec.radio.amateur.misc,rec.ham-radio,rec.ham-radio.swap
```

Still looking for a db 224 or db228 in the 2 meter band, for a repeater antenna.

Please e-mail responses.....oh, and if you want to sell one, but don't want to help arrange shipping, don't respond! I had several responses before like "its at the location, don't know how you would get it to a

shipper"!!
Cole
kc5swi@flash.net

```
From 7009622702574929 84
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,881b294e4cb65d45,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,881b294e4cb65d45,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: fc2a5,881b294e4cb65d45,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f76e2,881b294e4cb65d45,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f55c2,881b294e4cb65d45,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 107ada,881b294e4cb65d45,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa029,881b294e4cb65d45,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 108122,881b294e4cb65d45,start
X-Google-Attributes: gid108122,public
From: "rbw" <rbw@testengeer.com>
Subject: Repeater Modifications by Information Sources
Date: 1998/02/11
Message-ID: <01bd3737$3535f720$4c78f3cf@primary>
X-Deja-AN: 324236560
Newsgroups: alt.ham-radio.mods,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateu
r.misc,rec.radio.scanner,rec.radio.swap
```

REPEATER MODIFICATIONS FOR POPULAR MOBILE RADIOS!

Information Sources has compiled an impressive collection of well written instructions for converting many popular commercial mobile radios into full repeaters. Some of the files, such as the MASTER2.TXT file (included below) which describes how to wire a Mastr II mobile radio for use without a control head, are original works and are copyrighted by Information Sources. The information may not be reproduced or republished via Internet, CD-ROM, or any other media without the express written consent of Information Sources.

The repeater modifications are available for sale on 3.5" HD floppy disk, IBM PC format only. All information files are ASCII text. The following files are currently offered on the Information Sources Repeater Modifications disk:

MICORDUP.MOD	Converting UHF MICOR mobile radio into a repeater
MICORUHF.MOD	Converting UHF MICOR mobile radio into a repeater

MICORVHF.MOD	Converting VHF MICOR mobile radio into a repeater
GE_EXEC2.MOD	Converting GE Exec II radio for repeater & 9600 pkt
GE_MVP.MOD	Converting GE Custom MVP radio into a repeater
GE_PACKET.TXT	9600 and 1200 Baud packet on GE EXEC II and MVP
GE_MVP.TXT	Basic MVP information and 1200 baud packet use
GE_MVPEX.MOD	Another 9600 mod for GE_MVP (Complicated!)
MAXTRAC.MOD	Converting the MAXTRAC for operaion on 900 ham band
MITREK.MOD	Converting MITREK mobile for 9600 duplex packet
MITREK2.MOD	Converting MITREK mobile radio into a repeater
MITREK.9K6	Converting MITREK mobile radio for 9600 packet
MASTRPRO.MOD	Using GE Master Pro receiver strips for repeaters
MASTER2.TXT	Wiring the Master II for use without Control Head
MASTER2.MOD	Converting GE MASTER 2 mobile radio into a repeater
MOTOSPKR.TXT	Adapting and wiring Motorola Amplified Speakers
WILSON.TXT	Programming Wilson/Regency synthesized mobile rigs
BR.COM	A simple DOS file viewing program for handy use
BABYRPTR.TXT	Convert a Fisher-Price baby monitor into a repeater
LIST.COM	Another easy to use file viewing utility program
PKUNZIP.EXE	Dearchiving utility program to use with *.ZIP files
PD-203.ZIP	Shareware program for POCSAG (pagers) monitoring
PE-205.ZIP	Shareware program for POCSAG encoding(transmitting)
\DECODE*.*	PD-203.ZIP file de-archived - POCSAG decoding
\ENCODE*.*	PE-205.ZIP file de-archived - POCSAG encoding

The following is a reproduction of the MASTER2.TXT file which is included on the Repeater Modifications disk described below offered by Information Sources. The MASTER2.TXT file describes how to wire the GE Mastr II mobile radio for operation without the control head and control cable.

Wiring the GE Mastr II without Control Head

I'm sure many of you out there already use Mastr IIs without control heads but there are probably many who are not too familiar with this radio. There was a recent article about using the Mastr II mobile as an emergency intermittent duty repeater by Terry W. Ellis in the September 1993 issue of Mobile Radio Technology Magazine. The article did not elaborate on wiring the Mastr II without a control head. It can be done. I will not go into the modifications needed for repeater operation. Rather, I will just explain how to wire the Mastr II radio for operation on a single frequency without the control head.

1. Ground (called A- by GE) comes out to pin 30 or pin 21 on J901 the Main control plug on the front panel of the radio.

2. 13.5 volt DC must be connected to pin 29 (called A+ by GE) and pin 24 (Ignition Switch) of J901.

3. The Tx PA supply is separately wired to the big red and black wires at pin 39 (TX+) and pin 40 (TX-) of J901.

(NOTE: Be sure to use fuses for both the PA and the low current Rx and Tx exciter even when testing and wiring on your bench. I was lucky and only smoked a few small traces on the Mastr II front panel board which I was able to bridge with new wire. The damage could have been much worse. Reverse polarity diode protection (like the PA has) would also be a good safety practice for the rest of the radio unless you like the smell of burning radio parts!) (I'd suggest 15 or 20 amp (for lower power testing) on the PA and 2 or 3 amp maximum (for testing) on the Rx and Tx exciter.)

4. The volume and squelch controls can be made with internally mounted 10k trimpots. High side on both vol and sq connect to pin 11 of J904 RX/IF/AUDIO/SQ board. (GE conveniently labels all the pins connecting the major sub-assemblies to the front panel and system board of the Mastr II.) Low side vol and sq connect to pin 12 of J904. Sq center control arm is connected to pin 10 of pin J904. Volume center control arm is connected to pin 13 of J904.

5. The frequency or channel is selected by taking the F# pin to ground. Grounding either the Tx or the Rx F# pin also grounds the corresponding F# channel on the other Tx or Rx. (I guess you could rig the radio for multi-channel use by making a multi-select switch for each channel to ground.)

6. Audio (Speaker) output is taken from J904 pin 19. Pin 18 of J904 (labeled Speaker Low) is connected to ground. Connect an appropriate loading resistor (8 to 20 ohm 1 or 2 watt minimum) to prevent audio amp oscillation if you do not have a monitor speaker connected as with packet, etc. Speaker audio could also be taken from the red test jack as explained in the next step.

7. PTT and mike connections can be taken from the red test set jack, J905. Here is the pinout:

Pin 1: Speaker high (Audio out)
Pin 2: Speaker low (ground)
Pin 3: Regulated 10 volt
Pin 4: A+ (13.5v)
Pin 5: PTT Pin
Pin 6: A- (Ground)
Pin 7: Microphone high
Pin 8: Microphone low
Pin 9: A- (Ground)

Note: The radio keys by taking pin 8 on U901 (10 volt regulator) to ground. If you operate the Mastr II WITHOUT the CHANNEL GUARD strip installed you will need to jumper pins 6 and 8 on J908, the Channel Guard plug in card. If you try to key the radio at the meter jack without the Channel Guard board installed you won't get anything except frustration. I was dumb-fuzzled for almost a week before I noticed this one little bridge on the schematic diagram of the front panel board. Lesson: If you intend to use Channel Guard keep the card installed when you test the radio. If you do not use Channel guard, jumper these two pins so the PTT will work properly from the red metering jack, J905.

To kill Channel Guard (e.g. for tuning or testing the receiver) take either Pin 6 of J901 (front panel plug) or Pin 3 of P908 (Channel Guard plug) to ground.

Having a schematic diagram for the Front Panel & System board for the Mastr II is certainly a great aid. It is very difficult to trace out the connections without a schematic since the board has circuit traces on both sides and uses a number of holes to pass circuits on both sides of the board.

I have found an easy place to drill holes for wiring access is on the black plastic front panel main wiring connector. There is an area on outer side of the two big pins to the Tx PA which can be drilled out to pass control wires. I tried to solder directly to the pins on the main connector without much success. I like the internal wiring better. (Note: Molex pins slide very nicely over the pins on the Mastr II front plug. Use heat shrink over the connectors to avoid shorts and add a neat appearance. Also, you can solder directly to the large pins for TX PA by scrapping off the plating and soldering directly to the bare brass pin.)

All the information on the disk is believed to be accurate, however some errors may inadvertently appear and the user assumes full responsibility for the use and application of all the information contained on this disk. No warranties of any sort are expressed or implied. Referral to the appropriate service manuals for the various radios discussed is certainly recommended in every case. The information on the disk presumes the user already has familiarity with the radios discussed, and hopefully, a copy of the service manuals for the radios.

In case service manuals for the radios of interest are not available to the user this distributor has prepared concise written and illustrated operating guides for the General Electric Executive II radios, Master II radios, and Custom MVP radios. Each guide runs about 20 to 25 pages in length and contains necessary schematic diagrams, exploded parts diagrams, tune-up instructions for VHF and UHF radios, and repeater modification instructions with diagrams, as needed. The guides are available for $15.00 postage paid when purchased separately, or for $12.50 when purchased with the repeater modifications disk. (See special pricing offers following the order form, below.) Much of the information on the disk is included in the GE operating guides, but the guides additionally include tune-up instructions, schematic diagrams, and additional helpful hints which are not included on the disk.

The Repeater Modifications disk is available by mail by using the order form below:

Name:_____________________________________ Callsign:______________

Mailing Address:____

City, State, Zip:____

Phone number (optional):____

E-mail (optional):____

Qty.	Description	Price	Total
______	Repeater Modification disk, 3.5" PC	$12.50	_______
______	GE Master II operating guide	$15.00	_______
______	GE Executive II operating guide	$15.00	_______
______	GE Custom MVP operating guide	$15.00	_______
	(please note special pricing below!)	TOTAL	_______

All products are shipped first class mail postage paid.

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Any 3 products are only $35.00 total.
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Mail payment to:

Information Sources
Internet Sales Desk
P.O. Box 1266
Victoria, Texas 77902-1266

For further information and e-mail: rbw@tisd.net

```
From -4961286070700813945
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4eaee8d1849ab52d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,4eaee8d1849ab52d,start
X-Google-Attributes: gid10aaeb,public
```

X-Google-Thread: 107ada,4eaee8d1849ab52d,start
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X-Google-Thread: fe552,4eaee8d1849ab52d,start
X-Google-Attributes: gidfe552,public
X-Google-Thread: fa656,4eaee8d1849ab52d,start
X-Google-Attributes: gidfa656,public
From: "Jason Mclaughlin" <mcjason@idirect.com>
Subject: Looking for Live Realaudio Servers
Date: 1998/02/14
Message-ID: <34e6495f.0@nemo.idirect.com>#1/1
X-Deja-AN: 325163405
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: none
Newsgroups: alabama.birmingham.radio.amateur,es.rec.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc

I was wondering if anyone knew of some Realaudio sites which I can listen to HF radio transmissions on. Thanks!

--
Windows 95 is a 32 bit extension for a 16 bit patch for a
operating system which was originally coded for a 4 bit
microprocessor :)
Here's how you can contact me...
Jason Mclaughlin <mcjason@idirect.com>
http://webhome.idirect.com/~mcjason/index.htm

From -5744531670790339845
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,92bf77e7cb75798b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,92bf77e7cb75798b,start
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X-Google-Thread: fb22b,92bf77e7cb75798b,start
X-Google-Attributes: gidfb22b,public
X-Google-Thread: 1031c8,92bf77e7cb75798b,start
X-Google-Attributes: gid1031c8,public
From: Penguin@thepentagon.com (Penguin)
Subject: FS: Kenwood TM-221A 2mtr 50watt Mobile Ham Radio
Date: 1998/02/15

Message-ID: <34e73172.0@news6.kcdata.com>#1/1
X-Deja-AN: 325430647
MIME-Version: 1.0
Content-Type: Text/Plain; charset=ISO-8859-1
Organization: Talin Web Design
Newsgroups: alt.forsale,rec.ham-radio,rec.ham-radio.swap,uwisc.forsale,rec.radio,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap,alt.ham-radio.vhf-uhf

I have forsale a Kenwood TM-221A 2 meter 50/10 watt Ham Radio Mobile for sale.
DTMF Mic
extended receive
scan mode
ctcss encode
backlit display

$160.00 + shipping
email: penguin@thepentagon.com

--Talin

For you spamers...
****
Pursuant to US Code, Title 47, Chapter 5, Subchapter II, �227,
any and all nonsolicited commercial E-mail sent to this address
is subject to a download and archival fee in the amount of $500
US. E-mailing denotes acceptance of these terms.
****

From -3751910512807150767
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c92c756b6b43516
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,982fda335f40b7fe
X-Google-Attributes: gid107ada,public
X-Google-Thread: 106d41,2c92c756b6b43516
X-Google-Attributes: gid106d41,public
X-Google-Thread: fa656,2c92c756b6b43516
X-Google-Attributes: gidfa656,public
From: lar01@sprynet.com (larry)
Subject: Re: HAM CLUBS & NG's ALL THE SAME
Date: 1998/02/15
Message-ID: <34e735a5.6144371@news.sprynet.com>
X-Deja-AN: 325433921
References: <01bd120e$1922e000$LocalHost@kimo9>
<01bd120e$f0a79ac0$LocalHost@kimo9> <34B892D7.931A4F87@yahoo.com>
Organization: Sprynet News Service
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

I read your message sometime ago and just read it again.
I am not saying that you are right or wrong but I would like to tell
you a story that happen to me.
I am guess on the time/day but I think it was the early 70's.   To a
great extend things were somewhat the same as now, just the technology
has changed.
I used to go to a club meeting and felt very much out of place. My
station was not the same as the going stations. And most of the
fellows had money to burn, I was just about fresh out of college.
One day, as I enter the club room, I decided that I was going to
change my attitude. As the members came in I greeted them, rather
than expecting them to greet me.
I found a significant change in ther attitude toward me. Soon I
became quite a respected member of the club.
I got involved in club projects and showed them my talent without
pushing me out. Plus I allowed them to show me their talent.
Even though we came from different age groups, them about 20 years
older than I, we soon got along very well.
I am now at the age where you might call me one of the old f....ts.
But I am still trying to learn from the newer groups. I do have my
opinions but i try to listen to them as well as talik to them.
Some other the younger fellows are surprised at my willingness to
still learn.
I still consider amateur raido a two way street as long as they keep
it that way.
larry ve3fxq

On Sun, 11 Jan 1998 04:37:27 -0500, gambino <da_gambino@yahoo.com>
wrote:

>Don't feel alone, your observation is very much the truth...
>Radio in general is stale because of these , pardon my jargon, Old Farts & Know
it
>alls.
>When I got into Ham rdaio (bout 6yrs ago) I was an avid electronic enthusiast &
>wanted more, more, more knowledge... I was also a hacker of the highest degree
>(still am) & ended up teaching myself most of what I know...
>I found it annoying to have to listen to these A**holes chastise other "younger
>generation" Hams, because we didn't have 9 mile high HF towers or, know code, or
say
>73's, etc...
>Well I eventually got so into radio I ended up a Radio Technician, you would
think,
>every Ham's dream job, right?   WRONG. I met the most dispicable people, many of
>which were Hams, The commercial guys always felt they were above Hams, simply
>because, they got paid to do it & use commercial equipment.... I was constantly
>harrased being a ham working in commercial radio, by the older "more experienced"
>guys, I didn't give a shit, I excelled & eventually started my own shop. Mind
you, I
>was only 25.

>I got so fed up though with the assholes in the business, many of which run
closed
>repeaters & the ones whop think they are so much smarter than me & think simply
cuz
>I was 23, 24,25 yrs old, I didn't know a damn about radio, while at the same
time I
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>questions on related topics...
>It is PURE arrogance on the part of these guys who think they know everything &
feel
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>I absolutely am turned off by the 'radio crowd' in my parts (Bay Area , Ca.),
bunch
>of old effer's who have a monopoly on freq pairs cuz they have money & are all
part
>of the same "old boys club"...
>Screw those guys, I could of continued to make money doing radio on my own, but
why
>work around assholes I can't stand?
>I switched careers & am now a Network Engineer making almost twice the salary,
and
>I'm still only 26... I also run my own Paging & Email service. so I still have
ties
>to the wireless industry both commercially & as a hobby of course.... I have a
truck
>fully decked out for communications, with all the top gear, but that doesn't make
a
>better ham than anyone else though, what does make me way better than these old
>assholes, is I won't chew your ass if you ask a "dumb" newbie question, or debate
>it, nor will I run you off a repeater, because it's "Private".... I am willing to
>spread the knowledge & help other guys who don't know what I know, believe me I
>learned a lot of secrets working in the business & never hesitate to share them..
>Face it Old Timers, the days of the secret handshake are over....
>Who gives a damn if we dont't know about about tubes, crystals & code....
>You can't hold back NEWER Technology or the knowledge thereof...
>It's alright dano, I'm on your side.
>
>
>DANO wrote:
>
>> as someone making my way into the word of ham radio, i've noticed a common
>> thread betweem the type of people involved in club's,ng's, and even the
>> crowd at hamfest's.
>>   when a conversation is started by a newbie asking a question about
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>> person, who is asking the the question, gets forgotten about cause the rest
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ASK
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>> i'm 34, never learned that quote from school, but i practice it every day.
>> anyone else care to give it a try. we just might save ham radio for our
>> children
>>
>>   DAN0
>
>
>

From -5277642757172413959
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c92c756b6b43516
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,2c92c756b6b43516
X-Google-Attributes: gidfa656,public
X-Google-Thread: 106d41,2c92c756b6b43516
X-Google-Attributes: gid106d41,public
X-Google-Thread: 107ada,982fda335f40b7fe
X-Google-Attributes: gid107ada,public
From: "Professor" <bgriffey@megsinet.net>
Subject: Re: HAM CLUBS & NG's ALL THE SAME
Date: 1998/02/16
Message-ID: <6c9i5e$ss3$1@news.megsinet.net>#1/1
X-Deja-AN: 325550629
References: <01bd120e$1922e000$LocalHost@kimo9>
<01bd120e$f0a79ac0$LocalHost@kimo9> <34B892D7.931A4F87@yahoo.com>
<34e735a5.6144371@news.sprynet.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

Yes, they are all they same... just like on the air... fight fight fight.

--

Professor @ Telstar Electronics

http://www.megsinet.com/bgriffey/docs/index.htm

||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

From 8777877606276697884
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c92c756b6b43516
X-Google-Attributes: gid10c9e3,public
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X-Google-Thread: 106d41,2c92c756b6b43516
X-Google-Attributes: gid106d41,public
From: Costas Hazimanolis <costas@pathway.net>
Subject: Re: HAM CLUBS & NG's ALL THE SAME
Date: 1998/02/16
Message-ID: <6c9u2m$la5$0@207.76.141.80>
X-Deja-AN: 325598567
Content-Transfer-Encoding: 7bit
References: <01bd120e$1922e000$LocalHost@kimo9>
<01bd120e$f0a79ac0$LocalHost@kimo9> <34B892D7.931A4F87@yahoo.com>
<34e735a5.6144371@news.sprynet.com>
Content-Type: text/plain; charset=us-ascii
Organization: pathway.net
Mime-Version: 1.0
Reply-To: costas@pathway.net
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

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ASK
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> >> anyone else care to give it a try. we just might save ham radio for our
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> >>
> >>   DAN0
> >
> >
> >

Gentlemen:
To me you seem to be knowledgeable with good jobs. Your post can be
debated very nicely and with a measure of dignity. Why use fowl
language to put your point across? The same can be accomplished
without it. We really urge all hams on the groups to "speak" as
if we were on the ham bands. We don't want government regulations on
the internet as we have on the air with the FCC. Please do not be
offended by what I have said, for ham radio is still the best hobby
one can indulge. Thanks.
Costas-rp

From -2694498811338694386
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c92c756b6b43516
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,982fda335f40b7fe
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,2c92c756b6b43516
X-Google-Attributes: gidfa656,public
X-Google-Thread: 106d41,2c92c756b6b43516
X-Google-Attributes: gid106d41,public
From: Curtis M LaFon <n5hdq@wf.quik.com>
Subject: Re: HAM CLUBS & NG's ALL THE SAME
Date: 1998/02/16
Message-ID: <34E8B3EE.70A59A92@wf.quik.com>#1/1
X-Deja-AN: 325673924
References: <01bd120e$1922e000$LocalHost@kimo9>
<01bd120e$f0a79ac0$LocalHost@kimo9> <34B892D7.931A4F87@yahoo.com>
<34e735a5.6144371@news.sprynet.com> <6c9u2m$la5$0@207.76.141.80>
Content-Type: multipart/mixed; boundary="------------49A69CB1A460198939B0CCF6"
Organization: Mine
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

This is a multi-part message in MIME format.
--------------49A69CB1A460198939B0CCF6
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Costas Hazimanolis wrote:And Curtis snipped quite a bit:

> > On Sun, 11 Jan 1998 04:37:27 -0500, gambino <da_gambino@yahoo.com>
> > wrote:
> >
> > >Don't feel alone, your observation is very much the truth...
> > >Radio in general is stale because of these , pardon my jargon, Old Farts &
Know it
> > >alls.
> > >When I got into Ham rdaio (bout 6yrs ago) I was an avid electronic enthusiast
&
> > >wanted more, more, more knowledge... I was also a hacker of the highest
degree
> > >(still am) & ended up teaching myself most of what I know...
> > >I found it annoying to have to listen to these A**holes chastise other
"younger
> > >generation" Hams, because we didn't have 9 mile high HF towers or, know code,
or say
> > >73's, etc...
> > >Well I eventually got so into radio I ended up a Radio Technician, you would
think,
> > >every Ham's dream job, right?   WRONG. I met the most dispicable people, many
of
> > >which were Hams, The commercial guys always felt they were above Hams, simply
> > >because, they got paid to do it & use commercial equipment.... I was
constantly
> > >harrased being a ham working in commercial radio, by the older "more
experienced"
> > >guys, I didn't give a shit, I excelled & eventually started my own shop. Mind
you, I
> > >was only 25.
> > >I got so fed up though with the assholes in the business, many of which run
closed
> > >repeaters & the ones whop think they are so much smarter than me & think
simply cuz
> > >I was 23, 24,25 yrs old, I didn't know a damn about radio, while at the same
time I
> > >was getting paid to fix their radios & being Emailed up the wazooo to answer
tech
> > >questions on related topics...
> > >It is PURE arrogance on the part of these guys who think they know everything
& feel
> > >bestowed to treat other guys like shit cuz they are new to the hobby...
> > >I absolutely am turned off by the 'radio crowd' in my parts (Bay Area , Ca.),
bunch
> > >of old effer's who have a monopoly on freq pairs cuz they have money & are
all part
> > >of the same "old boys club"...
> > >Screw those guys, I could of continued to make money doing radio on my own,
but why
> > >work around assholes I can't stand?
> > >I switched careers & am now a Network Engineer making almost twice the

salary, and

I infer from this that he could not cut it as a radio repair tech.

```
--------------49A69CB1A460198939B0CCF6
Content-Type: text/x-vcard; charset=us-ascii; name="vcard.vcf"
Content-Transfer-Encoding: 7bit
Content-Description: Card for Curtis M LaFon
Content-Disposition: attachment; filename="vcard.vcf"

begin:          vcard
fn:             Curtis M LaFon
n:              ;Curtis M LaFon
email;internet: n5hdq@wf.quik.com
note:           Curtis..N5HDQ..http://wf.quik.com/n5hdq
x-mozilla-cpt:  ;0
x-mozilla-html: FALSE
version:        2.1
end:            vcard


--------------49A69CB1A460198939B0CCF6--
```

```
From -1479495590226401026
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ee7e83198023838d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,ee7e83198023838d,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 105955,ee7e83198023838d,start
X-Google-Attributes: gid105955,public
From: "Bill Kirkner" <billrk@desupernet.net>
Subject: Yaesu FT 8100R. Mods wanted
Date: 1998/02/17
Message-ID: <01bd3b7c$aa74b280$0254f6cd@hp-customer>#1/1
X-Deja-AN: 326015300
Newsgroups: att.ham-radio,rec.ham-radio,rec.radio.amateur
```

Does any one have the Mods for the Yaesu ft 8100R If so please e-mail or post..

Thanks

73 N3PZA
Bill Kirkner
billrk@desupernet.net

From -1146450779074736788
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 1091c5,308584e7ee36afcb
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,308584e7ee36afcb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,308584e7ee36afcb
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,308584e7ee36afcb
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,308584e7ee36afcb
X-Google-Attributes: gid108778,public
X-Google-Thread: fb049,308584e7ee36afcb
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,308584e7ee36afcb
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 106d41,308584e7ee36afcb
X-Google-Attributes: gid106d41,public
From: "Ted Lee" <amway@nospam.rogers.wave.ca>
Subject: Re: radio shacks 2-meter rigs
Date: 1997/12/29
Message-ID: <687q95$ie0$1@news.bc>#1/1
X-Deja-AN: 310969524
References: <01bd13ac$f1425200$081871ce@default>
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
Organization: Remove 'nospam' to reply
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

I think the HTX-212 the 45 watt mobile is junk!!

I spend over 150% of the original cost to repair the radio.

I first spend $400 Cdn to purchase that radio.

Next month it was on sale for $329, I should of waited,

The radio last 3 months before it died.

Brought it in for repairs, not worth repairing after 3 months waiting.

No problem, I got a brand new radio for replacement.

Again, this radio lasted 6 months.

Brought it in again for repairs. This time the warranty ran out. So it cost me $120 to fix.

The CPU in the PLL went. No fault of my own.

Used it on the base, afraid of getting car broken into. I notice no one could hear me on check ins. Perfect match, lots of power, but no modulation!

So after two months bring it back in again!!

Waited four months. Replace more chips, at my cost, no labour cost since under repair 90 day warranty. Cost me an other $90.

So I had it for 3 weeks now. Tested out fine.

I only used it on voice, no packet.

I listen about 200 minutes for every minute transmitted!!

My old 2nd hand Kenwood TR-7800 works great, never had a program.

Here my brand new HTX-212 spending more time in the shop that actual usage!

I have a HTX-202, works great, along with my ICOM IC-02AT which I've been using 320 days a year since 1989.

no problems with voltage, or swr. So why did the HTX-212 fail me twice?

Both radios new and only used about 3 months each time.

So next time, buy the extended warranty for Radio Shack radios.

I used my gold Visa but the warranty was only a year.

Ted Lee

VE7LEE

never again to buy a Radio Shack mobile.

--

In the time you spend browsing through five web-sites,
one person is unnecessarily killed or maimed by a
landmine that�s once every 22 minutes. These are mostly
civilians, often children, who accidentally step on a
landmine after a conflict has ended.

```
From -2505156536188539467
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 1091c5,308584e7ee36afcb
```

X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,308584e7ee36afcb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,308584e7ee36afcb
X-Google-Attributes: gid107ada,public
X-Google-Thread: 106d41,308584e7ee36afcb
X-Google-Attributes: gid106d41,public
X-Google-Thread: 10ed5f,308584e7ee36afcb
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,308584e7ee36afcb
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,308584e7ee36afcb
X-Google-Attributes: gid108778,public
X-Google-Thread: fb049,308584e7ee36afcb
X-Google-Attributes: gidfb049,public
From: Jim <jim@gutbang.com>
Subject: Re: radio shacks 2-meter rigs
Date: 1997/12/29
Message-ID: <34A7E97D.3382@gutbang.com>#1/1
X-Deja-AN: 311083506
Content-Transfer-Encoding: 8bit
References: <01bd13ac$f1425200$081871ce@default> <687q95$ie0$1@news.bc>
To: Ted Lee <amway@nospam.rogers.wave.ca>
Content-Type: text/plain; charset=iso-8859-1
Organization: Gutbang Entertainment
MIME-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

Sorry Ted the htx-212 was a lemon and was discontinued, although I've never heard of anyone putting this much money into repairs on one (and I should know, I'm the tech that repairs them here in Nashville)

the htx-242 is not a lemon and is quite solid. BTW it is not made by kenwood.

73 de ke4juh

Ted Lee wrote:
>
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>
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>
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>
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>
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>
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>
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>
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>
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>
> The CPU in the PLL went. No fault of my own.
>
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>
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>
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>
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>
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>
> Ted Lee
>
> VE7LEE
>
> never again to buy a Radio Shack mobile.
>
> --
>
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> one person is unnecessarily killed or maimed by a

> landmine that�s once every 22 minutes. These are mostly
> civilians, often children, who accidentally step on a
> landmine after a conflict has ended.

--

Because Art Matters...
http://www.gutbang.com/
Gutbang Entertainment
9 Music Square South
Suite 131
Nashville TN 37203

From -3086927186549566707
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38eb28f328393748,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,38eb28f328393748,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,38eb28f328393748,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,38eb28f328393748,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 107ada,38eb28f328393748,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc8b1,38eb28f328393748,start
X-Google-Attributes: gidfc8b1,public
From: "Walter R. Jones, Jr." <wjonesjr@cdsnet.net>
Subject: Station Items For Sale
Date: 1997/12/29
Message-ID: <34A86165.DBC615A9@cdsnet.net>#1/1
X-Deja-AN: 311781683
Content-Transfer-Encoding: 7bit
References: <34A749F9.5F5D3391@cdsnet.net>
Mime-Version: 1.0
Reply-To: KC7HEX@amsat.org
Content-Type: text/plain; charset=us-ascii
Organization: MegaNews!
Newsgroups: rec.radio.swap,rec.ham-radio,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap

Greetings,

I have an ICOM IC-251A that has be tuned up ICOM. Comes with the manual, new desk microphone, and an IC-SM-5 desk microphone. Only $485 Shipped.

KENWOOD TS-520SE with hand microphone,original manual and carton. Excellent shape. Covers 10-160 meters minus WARC. Only $350 shipped.

KENWOOD TH-77A 2/440 Dual-Band Hand Held. Checked by Kenwood recently. Modified for extended transmit and recieve, aircraft/2m/440/800mhz. Includes KSC-7 Desk Charger, BT-6 Battery Case, Rechargeable Battery, orginial manual, container, and modification sheets. Shipped to your door for $295.

VHF ENGINEERING PA140/10 2 meter VHF Amplifier. Large heat sinks. No manual, obtained in a trade. Only FM mode. Shipped for $125.

KANTRONICS KAM PLUS, with Host Master II+ software, only $275 Shipped. This is my second KAM and very little use. MINT condition.

Radio Shack DSP-40 Digital Signal Processor, New in Box, Shipped for $60. One opened, used in excellent condition for $45.

TUCKER T-1000 300 watt Antenna Tuner, (same as Vectronics VC-300DLP), shipped at $120.

Looking for an HF AMP for 10-160 to include WARC/MARS. Will trade towards and depends on the model and age, include $$$ for the difference. Will consider 80A/B and Alpha amps -

Also looking for ICOM IC-706 radio with or without separation kit.

73
Walt
KC7HEX

From 9133498449195052222
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,4cb09f9ec213cf32
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,4cb09f9ec213cf32
X-Google-Attributes: gid107ada,public
X-Google-Thread: 106d41,4cb09f9ec213cf32
X-Google-Attributes: gid106d41,public
X-Google-Thread: f55c2,4cb09f9ec213cf32
X-Google-Attributes: gidf55c2,public
X-Google-Thread: 108778,4cb09f9ec213cf32
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,4cb09f9ec213cf32
X-Google-Attributes: gidfa656,public
From: "Michel Morin" <morinm@csgoeland.qc.ca>
Subject: Re: radio shack htx-404
Date: 1997/12/30

Message-ID: <4oZp.23$Ip1.468772@carnaval.risq.qc.ca>#1/1
X-Deja-AN: 311201904
References: <01bd149d$6214e740$0e1871ce@default>
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
NNTP-Posting-Date: Mon, 29 Dec 1997 21:54:56 EST
Newsgroups: alt.ham-radio.mods,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

All Radio Shack radios were designed not to be modified in any way, you are out of luck there. They are very good radios by the way, I had an HTX-202 and HTX-242 and loved them. Hope that helps.

73 de VE2CJW.

DANO a �crit dans le message <01bd149d$6214e740$0e1871ce@default>...
>does any one have the mods for this radio???are their any for it
> thanks dano

From 5139666296941833288
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c501bd9e4b695d73,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,c501bd9e4b695d73,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 108778,c501bd9e4b695d73,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 107ada,c501bd9e4b695d73,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f55c2,c501bd9e4b695d73,start
X-Google-Attributes: gidf55c2,public
X-Google-Thread: fa656,c501bd9e4b695d73,start
X-Google-Attributes: gidfa656,public
From: Tim Hynde <hynde@flash.net>
Subject: Re: 2 mobile radios = repeater
Date: 1997/12/30
Message-ID: <34A9CA5B.9E005C63@flash.net>#1/1
X-Deja-AN: 311566158
Content-Transfer-Encoding: 7bit
References: <01bd1556$f93f7c20$0a1871ce@default>
Content-Type: text/plain; charset=us-ascii
Organization: Flashnet Communications, http://www.flash.net
Mime-Version: 1.0
Newsgroups: alt.ham-radio.mods,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

DANO wrote:

> as stupid as i feel asking this, my curiousity is overwhelming. ive been
> told, by a ham that is helping me out with some theory questions, that a
> repeater system is nothing more than a couple of radios with a few added
> parts in between???
> is it that simple that even a newbie like me could make a repeater
> himself?????
> ps i think he was talking duplex, but im not sure. DANO

Yes Dano it is as simple as a 'couple of radios' but a little deeper by the time you put it all together. First you need to know what a repeater consists of. Basically it's a reciever who's audio is sent directly to a transmitter who's frequency is 600Khz up or down the band. (assuming a 2m repeater) Old Motorola and GE tranceivers used for mobile communications weren't really trancievers but a separate transmitter and reciever in the same box, crystal controlled usually and very modular. Many repeaters were built using just one radio! The TX and RX were removed, retuned to the appropriate ham frequencys and then connected to the appropriate control logic. Some additional circuitry is required to sense when the squelch is broken on the rx, when this happens the switch is closed to key the transmitter, nevermind all the beeps, recordings, timers and digitalker identifiers these are just bells and whistles to make the repeater sound nifty. A simple repeater could be a 1/4 ground plane, duplexer, transmitter, reciever, and some VERY simple control circuit to key the transmitter and provide a timeout in the event of a transmission over 3 min long. This was basically the set up we had at the University, it provided lots of fun and the opportunity to experiment with different receivers etc. The duplexer would not be required if you could separate the transmitter from the receiver, many systems have a receive site (for 2m) the audio would then be sent out on UHF via a small 1 watt transmitter to the transmit site perhaps a mile or so away, at the transmit site there is a UHF receiver that then puts the audio into the 2m transmitter, by using this meathod you can have multiple recieve sites. Hope this gives you an idea of what its all about.

Tim

From 8322934159153452169
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38eb28f328393748
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,38eb28f328393748
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,38eb28f328393748
X-Google-Attributes: gid1109af,public
X-Google-Thread: fc8b1,38eb28f328393748
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1031c8,38eb28f328393748
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 107ada,38eb28f328393748

X-Google-Attributes: gid107ada,public
From: "Walter R. Jones, Jr." <wjonesjr@cdsnet.net>
Subject: VHF ENG PA-140/10 2 Meter AMP
Date: 1997/12/30
Message-ID: <34A95DA1.310C66FB@cdsnet.net>#1/1
X-Deja-AN: 311785113
Content-Transfer-Encoding: 7bit
References: <34A749F9.5F5D3391@cdsnet.net> <34A86165.DBC615A9@cdsnet.net> <34A95A93.3833C2BB@cdsnet.net>
Mime-Version: 1.0
Reply-To: KC7HEX@amsat.org
Content-Type: text/plain; charset=us-ascii
Organization: MegaNews!
Newsgroups: rec.radio.swap,rec.ham-radio,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap

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73
Walt
KC7HEX

From -3598181745990096707
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38eb28f328393748
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,38eb28f328393748
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,38eb28f328393748
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1109af,38eb28f328393748
X-Google-Attributes: gid1109af,public
X-Google-Thread: fc8b1,38eb28f328393748
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1031c8,38eb28f328393748
X-Google-Attributes: gid1031c8,public
From: "Walter R. Jones, Jr." <wjonesjr@cdsnet.net>
Subject: Kenwood PC-1A Phone Patch
Date: 1997/12/30
Message-ID: <34A95CED.56F3BB7A@cdsnet.net>#1/1
X-Deja-AN: 311785114
Content-Transfer-Encoding: 7bit
References: <34A749F9.5F5D3391@cdsnet.net> <34A86165.DBC615A9@cdsnet.net> <34A95A93.3833C2BB@cdsnet.net>
Mime-Version: 1.0
Reply-To: KC7HEX@amsat.org

Content-Type: text/plain; charset=us-ascii
Organization: MegaNews!
Newsgroups: rec.radio.swap,rec.ham-radio,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap

KENWOOD PC-1A Phone Patch Controller with manual and four pin adapter if needed. Good condition, shipped for $60.

73
Walt
KC7HEX

From -5387173258348918067
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38eb28f328393748
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,38eb28f328393748
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,38eb28f328393748
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1109af,38eb28f328393748
X-Google-Attributes: gid1109af,public
X-Google-Thread: fc8b1,38eb28f328393748
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1031c8,38eb28f328393748
X-Google-Attributes: gid1031c8,public
From: "Walter R. Jones, Jr." <wjonesjr@cdsnet.net>
Subject: Re: Station Items For Sale
Date: 1997/12/30
Message-ID: <34A95A93.3833C2BB@cdsnet.net>#1/1
X-Deja-AN: 311785115
Content-Transfer-Encoding: 7bit
References: <34A749F9.5F5D3391@cdsnet.net> <34A86165.DBC615A9@cdsnet.net>
Mime-Version: 1.0
Reply-To: KC7HEX@amsat.org
Content-Type: text/plain; charset=us-ascii
Organization: MegaNews!
Newsgroups: rec.radio.swap,rec.ham-radio,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap

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I have an ICOM IC-251A that has be tuned up ICOM. Comes with the manual, new desk microphone, and an IC-SM-5 desk microphone. Only $485 Shipped.

KENWOOD PC-1A Phone Patch Controller with manual and four pin adapter if needed. Good condition, shipped for $60.

KENWOOD TS-520SE with hand microphone,original manual and carton. Excellent shape. Covers 10-160 meters minus WARC. Only $350 shipped.

KENWOOD TH-77A 2/440 Dual-Band Hand Held. Checked by Kenwood recently. Modified for extended transmit and recieve, aircraft/2m/440/800mhz. Includes KSC-7 Desk Charger, BT-6 Battery Case, Rechargeable Battery, orginial manual, container, and modification sheets. Shipped to your door for $295.

VHF ENGINEERING PA140/10 2 meter VHF Amplifier. Large heat sinks. No manual, obtained in a trade. Only FM mode. Shipped for $125.

KANTRONICS KAM PLUS, with Host Master II+ software, only $275 Shipped. This is my second KAM and very little use. MINT condition.

Radio Shack DSP-40 Digital Signal Processor, New in Box, Shipped for $60. One opened, used in excellent condition for $45.

TUCKER T-1000 300 watt Antenna Tuner, (same as Vectronics VC-300DLP), shipped at $120.

Looking for an HF AMP for 10-160 to include WARC/MARS. Will trade towards and depends on the model and age, include $$$ for the difference. Will consider 80A/B and Alpha amps -

Also looking for ICOM IC-706 radio with or without separation kit.

73
Walt
KC7HEX

```
From -4441249883929981093
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38eb28f328393748
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,38eb28f328393748
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,38eb28f328393748
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,38eb28f328393748
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fc8b1,38eb28f328393748
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 107ada,38eb28f328393748
```

```
X-Google-Attributes: gid107ada,public
From: "Walter R. Jones, Jr." <wjonesjr@cdsnet.net>
Subject: Kenwood TH-77A 2/440 Dual Band Hand Held
Date: 1997/12/30
Message-ID: <34A95D62.FA6A8FD9@cdsnet.net>#1/1
X-Deja-AN: 311785116
Content-Transfer-Encoding: 7bit
References: <34A749F9.5F5D3391@cdsnet.net> <34A86165.DBC615A9@cdsnet.net>
<34A95A93.3833C2BB@cdsnet.net>
Mime-Version: 1.0
Reply-To: KC7HEX@amsat.org
Content-Type: text/plain; charset=us-ascii
Organization: MegaNews!
Newsgroups: rec.radio.swap,rec.ham-
radio,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.
misc,rec.radio.amateur.swap


 KENWOOD TH-77A 2/440 Dual-Band Hand Held.  Checked by Kenwood recently.
Modified for extended transmit and recieve, aircraft/2m/440/800mhz.
Includes KSC-7 Desk Charger, BT-6 Battery Case, Rechargeable Battery,
orginial manual, container, and modification sheets.  Shipped to your
door for $295.

73
Walt
KC7HEX




From -4628864878314624920
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38eb28f328393748
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,38eb28f328393748
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,38eb28f328393748
X-Google-Attributes: gid1109af,public
X-Google-Thread: fc8b1,38eb28f328393748
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 107ada,38eb28f328393748
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1031c8,38eb28f328393748
X-Google-Attributes: gid1031c8,public
From: "Walter R. Jones, Jr." <wjonesjr@cdsnet.net>
Subject: Kenwood TS-520 SE
Date: 1997/12/30
Message-ID: <34A95D27.3F499F93@cdsnet.net>#1/1
X-Deja-AN: 311785117
Content-Transfer-Encoding: 7bit
References: <34A749F9.5F5D3391@cdsnet.net> <34A86165.DBC615A9@cdsnet.net>
<34A95A93.3833C2BB@cdsnet.net>
```

Mime-Version: 1.0
Reply-To: KC7HEX@amsat.org
Content-Type: text/plain; charset=us-ascii
Organization: MegaNews!
Newsgroups: rec.radio.swap,rec.ham-radio,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap

KENWOOD TS-520SE with hand microphone,original manual and carton.
Excellent shape. Covers 10-160 meters minus WARC. Only $350 shipped.

73
Walt
KC7HEX

From -6303511615662576588
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38eb28f328393748
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,38eb28f328393748
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1109af,38eb28f328393748
X-Google-Attributes: gid1109af,public
X-Google-Thread: fc8b1,38eb28f328393748
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 108122,38eb28f328393748
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,38eb28f328393748
X-Google-Attributes: gid1031c8,public
From: "Walter R. Jones, Jr." <wjonesjr@cdsnet.net>
Subject: ICOM IC-251A 2 All-mode
Date: 1997/12/30
Message-ID: <34A95CAF.E8B7FBB@cdsnet.net>#1/1
X-Deja-AN: 311785118
Content-Transfer-Encoding: 7bit
References: <34A749F9.5F5D3391@cdsnet.net> <34A86165.DBC615A9@cdsnet.net> <34A95A93.3833C2BB@cdsnet.net>
Mime-Version: 1.0
Reply-To: KC7HEX@amsat.org
Content-Type: text/plain; charset=us-ascii
Organization: MegaNews!
Newsgroups: rec.radio.swap,rec.ham-radio,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap

I have an ICOM IC-251A that has be tuned up ICOM. Comes with the
manual, new desk microphone, and an IC-SM-5 desk microphone. Only $485
Shipped.

73
Walt
KC7HEX

```
From -7918774425593643619
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38eb28f328393748
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,38eb28f328393748
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1109af,38eb28f328393748
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108122,38eb28f328393748
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,38eb28f328393748
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1031c8,38eb28f328393748
X-Google-Attributes: gid1031c8,public
From: "Walter R. Jones, Jr." <wjonesjr@cdsnet.net>
Subject: KAM PLUS with Software
Date: 1997/12/30
Message-ID: <34A95DD8.73E3973@cdsnet.net>#1/1
X-Deja-AN: 311785119
Content-Transfer-Encoding: 7bit
References: <34A749F9.5F5D3391@cdsnet.net> <34A86165.DBC615A9@cdsnet.net>
<34A95A93.3833C2BB@cdsnet.net>
Mime-Version: 1.0
Reply-To: KC7HEX@amsat.org
Content-Type: text/plain; charset=us-ascii
Organization: MegaNews!
Newsgroups: rec.radio.swap,rec.ham-
radio,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.
misc,rec.radio.amateur.swap
```

KANTRONICS KAM PLUS, with Host Master II+ software, only $275 Shipped.
This is my second KAM and very little use.   MINT condition.

73
Walt
KC7HEX

```
From -5150181954744373334
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38eb28f328393748
X-Google-Attributes: gid10c9e3,public
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X-Google-Thread: 108122,38eb28f328393748
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,38eb28f328393748
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1031c8,38eb28f328393748
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1109af,38eb28f328393748
X-Google-Attributes: gid1109af,public
X-Google-Thread: fc8b1,38eb28f328393748
X-Google-Attributes: gidfc8b1,public
From: "Walter R. Jones, Jr." <wjonesjr@cdsnet.net>
Subject: RS DSP-40 Digital Signal Processor
Date: 1997/12/30
Message-ID: <34A95E12.CF814963@cdsnet.net>#1/1
X-Deja-AN: 311785120
Content-Transfer-Encoding: 7bit
References: <34A749F9.5F5D3391@cdsnet.net> <34A86165.DBC615A9@cdsnet.net>
<34A95A93.3833C2BB@cdsnet.net>
Mime-Version: 1.0
Reply-To: KC7HEX@amsat.org
Content-Type: text/plain; charset=us-ascii
Organization: MegaNews!
Newsgroups: rec.radio.swap,rec.ham-radio,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap

Radio Shack DSP-40 Digital Signal Processor, New in Box, Shipped for $60. One opened, used in excellent condition for $45.

73
Walt
KC7HEX

From -2048160871012559444
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38eb28f328393748
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,38eb28f328393748
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,38eb28f328393748
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc8b1,38eb28f328393748
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1109af,38eb28f328393748
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,38eb28f328393748
X-Google-Attributes: gid1031c8,public
From: "Walter R. Jones, Jr." <wjonesjr@cdsnet.net>
Subject: 300 watt Antenna Tuner

Date: 1997/12/30
Message-ID: <34A95E42.DA7B8B23@cdsnet.net>#1/1
X-Deja-AN: 311785121
Content-Transfer-Encoding: 7bit
References: <34A749F9.5F5D3391@cdsnet.net> <34A86165.DBC615A9@cdsnet.net> <34A95A93.3833C2BB@cdsnet.net>
Mime-Version: 1.0
Reply-To: KC7HEX@amsat.org
Content-Type: text/plain; charset=us-ascii
Organization: MegaNews!
Newsgroups: rec.radio.swap,rec.ham-radio,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap

TUCKER T-1000 300 watt Antenna Tuner, (same as Vectronics VC-300DLP), shipped at $120.

73
Walt
KC7HEX

From -278621049739351528
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c501bd9e4b695d73
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,c501bd9e4b695d73
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108778,c501bd9e4b695d73
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,c501bd9e4b695d73
X-Google-Attributes: gidfa656,public
X-Google-Thread: 106d41,c501bd9e4b695d73
X-Google-Attributes: gid106d41,public
X-Google-Thread: f55c2,c501bd9e4b695d73
X-Google-Attributes: gidf55c2,public
From: "DANO" <kimo9@idt.net>
Subject: 2 mobile radios = repeater
Date: 1997/12/31
Message-ID: <01bd1556$f93f7c20$0a1871ce@default>#1/1
X-Deja-AN: 311471885
Organization: IDT
Newsgroups: alt.ham-radio.mods,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

as stupid as i feel asking this, my curiousity is overwhelming. ive been told, by a ham that is helping me out with some theory questions, that a

repeater system is nothing more than a couple of radios with a few added parts in between???
is it that simple that even a newbie like me could make a repeater himself?????
ps i think he was talking duplex, but im not sure.   DANO

From 8766044300877072634
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,308584e7ee36afcb
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,308584e7ee36afcb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,308584e7ee36afcb
X-Google-Attributes: gid108778,public
X-Google-Thread: 106d41,308584e7ee36afcb
X-Google-Attributes: gid106d41,public
X-Google-Thread: fb049,308584e7ee36afcb
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa656,308584e7ee36afcb
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,308584e7ee36afcb
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,308584e7ee36afcb
X-Google-Attributes: gid10ed5f,public
From: "John Lochey" <jlochey@idesign.com>
Subject: Re: radio shacks 2-meter rigs
Date: 1997/12/31
Message-ID: <01bd15ef$a3f9dc30$26280a0a@jlochey>#1/1
X-Deja-AN: 311627518
References: <01bd13ac$f1425200$081871ce@default>
Organization: Integrated Design Inc.
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

On this same note, I'm thinking of buying an Icom T2A, but a friend begged me to check out the Radio Shack 2M rig first (HT). It seems more expensive, bigger and with less features. Plus Radio Shack always dinks you with no accessories. The accessories usually have to be boughten later or seperately. Any ideas or thoughts?

Thanks,

John

DANO <kimo9@idt.net> wrote in article
<01bd13ac$f1425200$081871ce@default>...

> anyone had experience with rs mobile 2-meter rig. what did yiu think. can

```
> it be converted for any goodies?  is it worth the money they're asking?
any
> suggestions for something in the same price range.
>     DANO
>
```

```
From 2704623873855885906
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,308584e7ee36afcb
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,308584e7ee36afcb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,308584e7ee36afcb
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,308584e7ee36afcb
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108778,308584e7ee36afcb
X-Google-Attributes: gid108778,public
X-Google-Thread: fb049,308584e7ee36afcb
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa656,308584e7ee36afcb
X-Google-Attributes: gidfa656,public
X-Google-Thread: 106d41,308584e7ee36afcb
X-Google-Attributes: gid106d41,public
From: "Dwight G. Bosselman" <dgbcms@netnet.net>
Subject: Re: radio shacks 2-meter rigs
Date: 1997/12/31
Message-ID: <34AAE849.757D73B1@netnet.net>#1/1
X-Deja-AN: 311780074
Content-Transfer-Encoding: 7bit
References: <01bd13ac$f1425200$081871ce@default>
<01bd15ef$a3f9dc30$26280a0a@jlochey>
Mime-Version: 1.0
Reply-To: dgbcms@netnet.net
Content-Type: text/plain; charset=us-ascii
Organization: Oconto Machine & Tool
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-
uhf,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb
```

If you do buy Radio Shak, be sure to buy the service contract. I bought an HT 3 years ago, went back for repair six times, then a month before the service contract ran out, they gave me a new rig, but wouldn't let me renew the serv. contract. Also went thru two of their spkr mikes. The real joke is I probably didn't use the stuff more than once a week, at the most. About the same time I had bought one of their 30w amps, it sizzled out two months later, they did fix that for free. Have had real good luck with their DSP. Must admit their service is great!

Beware when you buy! I surely won't waste my time or money on their stuff

```
again!

73 Dwight W9YQ

John Lochey wrote:

> On this same note, I'm thinking of buying an Icom T2A, but a friend begged
> me to check out the Radio Shack 2M rig first (HT).  It seems more
> expensive, bigger and with less features.  Plus Radio Shack always dinks
> you with no accessories.  The accessories usually have to be boughten later
> or seperately.  Any ideas or thoughts?
>
> Thanks,
>
> John
>
> DANO <kimo9@idt.net> wrote in article
> <01bd13ac$f1425200$081871ce@default>...
> > anyone had experience with rs mobile 2-meter rig. what did yiu think. can
> > it be converted for any goodies?  is it worth the money they're asking?
> any
> > suggestions for something in the same price range.
> >     DANO
> >



--
73 Dwight de W9YQ





From -2649105510814718282
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 1091c5,308584e7ee36afcb
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,308584e7ee36afcb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,308584e7ee36afcb
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,308584e7ee36afcb
X-Google-Attributes: gid108778,public
X-Google-Thread: fb049,308584e7ee36afcb
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa656,308584e7ee36afcb
X-Google-Attributes: gidfa656,public
X-Google-Thread: 106d41,308584e7ee36afcb
X-Google-Attributes: gid106d41,public
X-Google-Thread: 107ada,308584e7ee36afcb
X-Google-Attributes: gid107ada,public
From: cute@radiotelephone.net.ham (Cutie Boy)
```

Subject: Re: radio shacks 2-meter rigs
Date: 1998/01/01
Message-ID: <34abc5f8.164334@news.total.net>#1/1
X-Deja-AN: 311904567
References: <01bd13ac$f1425200$081871ce@default> <687q95$ie0$1@news.bc>
Organization: The Cute !!
Reply-To: cute@radiotelephone.net.ham
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

On Mon, 29 Dec 1997 01:25:09 -0800, "Ted Lee" <amway@nospam.rogers.wave.ca> wrote:

>I first spend $400 Cdn to purchase that radio.

I bought it for $299.

>Next month it was on sale for $329, I should of waited,

RS reimburses you a price difference if within 30 days (I always buy a stuff when it's on sale. It's usual to see $100-$150 discount on certain products).

RS Canada sells a card that gives you a 10% discount on anything from regular price at $15 I think. If you buy something over $100, you will get the card free.

If something is priced $400, you will able to get it $360 instead.

Many people don't know this... just a tip from "cutie boy" :)

>Brought it in again for repairs. This time the warranty ran out. So it cost
>me $120 to fix.

>Waited four months. Replace more chips, at my cost, no labour cost since
>under repair 90 day warranty. Cost me an other $90.

>I listen about 200 minutes for every minute transmitted!!

>My old 2nd hand Kenwood TR-7800 works great, never had a program.

I realize some of the RS stuffs don't work after a couple of days. It happened to me a couple of times... but usually these things happen in first 30 days and can be replaced very easily.

Make sure you buy an extend warranty on high priced products.
My HTX-202 went to repair for a couple of times and I got a new one.
If I had no extended warranty, my HTX-202 just became a garbage (202 comes only 90 day warranty).

>Here my brand new HTX-212 spending more time in the shop that actual usage!

I am using HTX-242.   Seems it's working OK.

>I have a HTX-202, works great, along with my ICOM IC-02AT which I've been
>using 320 days a year since 1989.

>no problems with voltage, or swr.

> So why did the HTX-212 fail me twice?

you didn't have a luck.

>So next time, buy the extended warranty for Radio Shack radios.

depends on what you purchase though...

I don't buy any extended warranties on scanners...   but I do buy it
on amateur stuffs.

>never again to buy a Radio Shack mobile.

My 242 is working OK.   My 202 wasn't working OK.
kinda opposite eh ??

Gar�on Mignon (�galement connu comme M@S@)
Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
�tudient @ Informatique et Math�matiques d'Universit� McGill
Montr�al, Qu�bec, Canada
Mail-Electronique: cute@radiotelephone.net.ham
URL : http://www.radiotelephone.net   (Universel)
       http://www.radiotelephone.net/amateur/   (Radio)
          http://www.geocities.com/~masataka/mcgill.htm (Universit� McGill)

Enlevez l' " .ham " pour r�pondre.
Please remove "ham" to reply.

ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non sollicit�s!!

From -7360548686238986982
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4cb09f9ec213cf32

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,4cb09f9ec213cf32
X-Google-Attributes: gid107ada,public
From: Rob Carlson <rcarls2@gl.umbc.edu>
Subject: Re: radio shack htx-404
Date: 1998/01/01
Message-ID: <Pine.SGI.3.96.980101125430.19910A-100000@umbc8.umbc.edu>#1/1
X-Deja-AN: 311928669
References: <01bd149d$6214e740$0e1871ce@default>
To: DANO <kimo9@idt.net>
X-Sender: rcarls2@umbc8.umbc.edu
Content-Type: TEXT/PLAIN; charset=US-ASCII
Organization: University of Maryland, Baltimore County
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur.misc

On 30 Dec 1997, DANO wrote:

> does any one have the mods for this radio???are their any for it

You can open it up and turn the pots to adjust your transmit power and deviation, but I don't figure that's what you were looking for.

Rob KC2AEI

From -8293041306162467373
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,308584e7ee36afcb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,308584e7ee36afcb
X-Google-Attributes: gid107ada,public
From: Rob Carlson <rcarls2@gl.umbc.edu>
Subject: Alternative to Radio Shack 242.
Date: 1998/01/01
Message-ID: <Pine.SGI.3.96.980101130113.19910B-100000@umbc8.umbc.edu>#1/1
X-Deja-AN: 311928670
References: <01bd13ac$f1425200$081871ce@default>
To: DANO <kimo9@idt.net>
X-Sender: rcarls2@umbc8.umbc.edu
Content-Type: TEXT/PLAIN; charset=US-ASCII
Organization: University of Maryland, Baltimore County
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur.misc

On 28 Dec 1997, DANO wrote:

> anyone had experience with rs mobile 2-meter rig. what did yiu think. can

> it be converted for any goodies? is it worth the money they're asking? any
> suggestions for something in the same price range.

Try the IC-2000H. It's roughly similar, with 50W max and 60 alpha
memories. Last I heard, HRO was seeling them for $234.95.

I have one and I love it.

Rob KC2AEI

From -4086626280233812573
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,308584e7ee36afcb
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,308584e7ee36afcb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,308584e7ee36afcb
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,308584e7ee36afcb
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 106d41,308584e7ee36afcb
X-Google-Attributes: gid106d41,public
X-Google-Thread: fb049,308584e7ee36afcb
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa656,308584e7ee36afcb
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,308584e7ee36afcb
X-Google-Attributes: gid108778,public
From: Louis Bybee <louisb@datacomm.com>
Subject: Re: radio shacks 2-meter rigs
Date: 1998/01/01
Message-ID: <34AC455C.AB25280D@datacomm.com>#1/1
X-Deja-AN: 312354850
Content-Transfer-Encoding: 7bit
References: <01bd13ac$f1425200$081871ce@default>
<01bd15ef$a3f9dc30$26280a0a@jlochey> <34AAE849.757D73B1@netnet.net>
Content-Type: text/plain; charset=us-ascii
Organization: All USENET -- http://www.Supernews.com
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

I have purchased a lot of things from Radio Shack and for the most part I have been
treated well. The times I have had trouble that I didn't think was fair, I
complained directly to the Brass in Fort Worth. In every case after a reaming for
being bothered by a customer that should have been taken care of locally, the store

manager in question couldn't do enough to make me happy. In one case the manager even ran from the counter when he saw me coming to open the door and give me the royal treatment. The moral to this story is TAKE the time to write a letter to the Top Brass of any company you are having trouble with. Be polite, point out the problem you are having, be specific on the solution you would like, and don't fill the letter with foul language and threats. I have found that the above advice usually produces positive results even when what I'm asking for isn't what I deserve.

Louis

Dwight G. Bosselman wrote:

> If you do buy Radio Shak, be sure to buy the service contract. I bought an HT
> 3 years ago, went back for repair six times, then a month before the service
> contract ran out, they gave me a new rig, but wouldn't let me renew the serv.
> contract. Also went thru two of their spkr mikes. The real joke is I probably
> didn't use the stuff more than once a week, at the most. About the same time I
> had bought one of their 30w amps, it sizzled out two months later, they did fix
> that for free. Have had real good luck with their DSP. Must admit their service
> is great!
>
> Beware when you buy! I surely won't waste my time or money on their stuff
> again!
>
> 73 Dwight W9YQ
>
> John Lochey wrote:
>
> > On this same note, I'm thinking of buying an Icom T2A, but a friend begged
> > me to check out the Radio Shack 2M rig first (HT). It seems more
> > expensive, bigger and with less features. Plus Radio Shack always dinks
> > you with no accessories. The accessories usually have to be boughten later
> > or seperately. Any ideas or thoughts?
> >
> > Thanks,
> >
> > John
> >
> > DANO <kimo9@idt.net> wrote in article
> > <01bd13ac$f1425200$081871ce@default>...
> > > anyone had experience with rs mobile 2-meter rig. what did yiu think. can
> > > it be converted for any goodies? is it worth the money they're asking?
> > any
> > > suggestions for something in the same price range.
> > >   DANO
> > >
>
> --
> 73 Dwight de W9YQ

From 9196930594512267741
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,308584e7ee36afcb
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,308584e7ee36afcb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,308584e7ee36afcb
X-Google-Attributes: gid106d41,public
X-Google-Thread: 10ed5f,308584e7ee36afcb
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,308584e7ee36afcb
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108778,308584e7ee36afcb
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,308584e7ee36afcb
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb049,308584e7ee36afcb
X-Google-Attributes: gidfb049,public
From: tech <tech@dp.net>
Subject: Re: radio shacks 2-meter rigs
Date: 1998/01/02
Message-ID: <Pine.BSI.3.95.980102091712.2870A-100000@home.dp.net>#1/1
X-Deja-AN: 312120843
References: <01bd13ac$f1425200$081871ce@default> <01bd15ef$a3f9dc30$26280a0a@jlochey> <34AAE849.757D73B1@netnet.net>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII
Organization: TheNETconnection!
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

It goes something like this....... No matter who makes it, every company gets a lemon or two, or perhaps a run of them, in their line up.
It happens with cars, radios, etc.

I have owned 3 RS 202's and know of others that own them , and have had little if any problems, shy of talking too much and needing to keep the B.P. charged. I'd swear by them. But at the same time, I've had others give me problems, and know of a guy who had an 2 meter mobile (not a RS) in his car, burn up. He had it wired to the battery as most often times do. The rig was only about 3 months old. He turned it and the car off, went into the Post office for a minute, came back out to the car and found smoke pouring out of the rig. The PC board had a hole the size of a 50 cent peice in it after all was said and done.

So, it's not any one brand, that has it's faults........ The ONLY RS rig that gave me a problem was the 404. I had it for a few weeks, barely used

it one hour and the audio/squelch circuit defected. They replaced the rig.
Had no problems with the new one. Over a year now.

Tech@DP.NET

On Wed, 31 Dec 1997, Dwight G. Bosselman wrote:

> Date: Wed, 31 Dec 1997 18:50:17 -0600
> From: "Dwight G. Bosselman" <dgbcms@netnet.net>
> Newsgroups: alt.ham-radio, alt.ham-radio.fm, alt.ham-radio.vhf-uhf,
>   alt.radio.amateur, rec.ham-radio, rec.radio.amateur,
>   rec.radio.amateur.misc, rec.radio.cb
> Subject: Re: radio shacks 2-meter rigs
>
> If you do buy Radio Shak, be sure to buy the service contract. I bought an HT
> 3 years ago, went back for repair six times, then a month before the service
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> didn't use the stuff more than once a week, at the most. About the same time I
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> > > suggestions for something in the same price range.
> > >   DANO
> > >
>
>
>
> --
> 73 Dwight de W9YQ

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>
>
>
>
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```
From 1475392760516207670
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,308584e7ee36afcb
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,308584e7ee36afcb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,308584e7ee36afcb
X-Google-Attributes: gid106d41,public
X-Google-Thread: 108778,308584e7ee36afcb
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,308584e7ee36afcb
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,308584e7ee36afcb
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,308584e7ee36afcb
X-Google-Attributes: gid107ada,public
X-Google-Thread: fb049,308584e7ee36afcb
X-Google-Attributes: gidfb049,public
From: Thomas.Weeks@mirage.brooks.af.mil (Thomas Weeks)
Subject: Re: radio shacks 2-meter rigs
Date: 1998/01/02
Message-ID: <68j2l6$nm$1@leo.brooks.af.mil>#1/1
X-Deja-AN: 312141110
References: <01bd13ac$f1425200$081871ce@default>
<01bd15ef$a3f9dc30$26280a0a@jlochey> <34AAE849.757D73B1@netnet.net>
<Pine.BSI.3.95.980102091712.2870A-100000@home.dp.net>
Content-Type: Text/Plain; charset=US-ASCII
Organization: GTE/Brooks AFB
Mime-Version: 1.0
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-
uhf,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb
```

In article <Pine.BSI.3.95.980102091712.2870A-100000@home.dp.net>, tech@dp.net says...

```
 >
 >
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 >It happens with cars, radios, etc.
 >
 >I have owned 3 RS 202's and know of others that own them , and have had
 >little if any problems,
```

Hi!

I just got a used 202 for $120 and am working on getting my tech or novice license...

I am an EE (EET really) and was interested if you knew about any good hardware hacks that can be
performed on this rig...?

PLease send replies to tweeks@texas.net

Thanx..

Tom D Tek

From 2642954791920230283
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,163d2aa55d30c9f3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,163d2aa55d30c9f3,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fd719,163d2aa55d30c9f3,start
X-Google-Attributes: gidfd719,public
X-Google-Thread: 1109af,163d2aa55d30c9f3,start
X-Google-Attributes: gid1109af,public
From: risd <risd@flash.net>
Subject: WTB 12KV6A Tubes
Date: 1998/01/02
Message-ID: <34AD5A00.4AFB@flash.net>#1/1
X-Deja-AN: 312222605
Content-Transfer-Encoding: 7bit
Mime-Version: 1.0
Reply-To: risd@flash.net
Content-Type: text/plain; charset=us-ascii
Organization: Flashnet Communications, http://www.flash.net
Newsgroups: rec.radio.swap,rec.ham-radio,rec.ham-radio.swap,rec.raio.amateur.equipment

I need one or more 12KV6A tubes. Please e,ail with description and costs.

joe N5RMA

From 5660566329093469853
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 1091c5,308584e7ee36afcb
X-Google-Attributes: gid1091c5,public

X-Google-Thread: 10c9e3,308584e7ee36afcb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,308584e7ee36afcb
X-Google-Attributes: gid107ada,public
X-Google-Thread: 106d41,308584e7ee36afcb
X-Google-Attributes: gid106d41,public
X-Google-Thread: fb049,308584e7ee36afcb
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,308584e7ee36afcb
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,308584e7ee36afcb
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,308584e7ee36afcb
X-Google-Attributes: gid108778,public
From: "Graham VE1FC" <ve1fc@nbnet.nb.ca>
Subject: Re: radio shacks 2-meter rigs
Date: 1998/01/02
Message-ID: <34adb5a9.0@198.164.187.20>#1/1
X-Deja-AN: 312323016
References: <01bd13ac$f1425200$081871ce@default> <687q95$ie0$1@news.bc>
<34abc5f8.164334@news.total.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

I have both a 202 and a 242.....
The 202 is GREAT.. excellent receive..
The 242 is just too dam broadband on receive...
I receive the local ambulance on the 147.165 machine here in town.. I wish the 242 was narrow band like the 202.... Also sensitivity is poor on the 144-148 mhz area... Hell I got the 3 year contract... Might as well slap it on the counter for them to look at....

All said and done the Radio Shack radios are good.. as far as I am concerned ..
Graham
ve1fc@nbnet.nb.ca
http://www.surfcity.nb.ca/~ve1fc

Cutie Boy wrote in message <34abc5f8.164334@news.total.net>...
>On Mon, 29 Dec 1997 01:25:09 -0800, "Ted Lee"
><amway@nospam.rogers.wave.ca> wrote:
>
>>I first spend $400 Cdn to purchase that radio.
>
>I bought it for $299.
>
>>Next month it was on sale for $329, I should of waited,
>
>RS reimburses you a price difference if within 30 days (I always buy
>a stuff when it's on sale. It's usual to see $100-$150 discount on

>certain products).
>
>RS Canada sells a card that gives you a 10% discount on anything from
>regular price at $15 I think.   If you buy something over $100, you
>will get the card free.
>
>If something is priced $400, you will able to get it $360 instead.
>
>Many people don't know this...   just a tip from "cutie boy"   :)
>
>
>>Brought it in again for repairs. This time the warranty ran out. So it
cost
>>me $120 to fix.
>
>>Waited four months. Replace more chips, at my cost, no labour cost since
>>under repair 90 day warranty. Cost me an other $90.
>
>>I listen about 200 minutes for every minute transmitted!!
>
>>My old 2nd hand Kenwood TR-7800 works great, never had a program.
>
>I realize some of the RS stuffs don't work after a couple of days.
>It happened to me a couple of times...   but usually these things
>happen in first 30 days and can be replaced very easily.
>
>
>Make sure you buy an extend warranty on high priced products.
>My HTX-202 went to repair for a couple of times and I got a new one.
>If I had no extended warranty, my HTX-202 just became a garbage (202
>comes only 90 day warranty).
>
>>Here my brand new HTX-212 spending more time in the shop that actual
usage!
>
>I am using HTX-242.   Seems it's working OK.
>
>
>>I have a HTX-202, works great, along with my ICOM IC-02AT which I've been
>>using 320 days a year since 1989.
>
>>no problems with voltage, or swr.
>
>
>> So why did the HTX-212 fail me twice?
>
>you didn't have a luck.
>
>
>>So next time, buy the extended warranty for Radio Shack radios.
>
>depends on what you purchase though...
>

```
>I don't buy any extended warranties on scanners...   but I do buy it
>on amateur stuffs.
>
>
>>never again to buy a Radio Shack mobile.
>
>
>My 242 is working OK.    My 202 wasn't working OK.
>kinda opposite eh ??
>
>
>______________________________________________________________________
>
>Gar�on Mignon (�galement connu comme M@S@)
>Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
>�tudient @ Informatique et Math�matiques d'Universit� McGill
>Montr�al, Qu�bec, Canada
>Mail-Electronique: cute@radiotelephone.net.ham
>URL : http://www.radiotelephone.net            (Universel)
>   http://www.radiotelephone.net/amateur/   (Radio)
>          http://www.geocities.com/~masataka/mcgill.htm (Universit� McGill)
>______________________________________________________________________
>***Enlevez l' " .ham " pour r�pondre.***
>***Please remove "ham" to reply.***
>
>ATTENTION: Je n'ach�terai pas ou r�ponse aucun produit des C�S non
sollicit�s!!




From -2434389453293915439
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 1091c5,308584e7ee36afcb
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,308584e7ee36afcb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,308584e7ee36afcb
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,308584e7ee36afcb
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,308584e7ee36afcb
X-Google-Attributes: gidfa656,public
X-Google-Thread: 106d41,308584e7ee36afcb
X-Google-Attributes: gid106d41,public
X-Google-Thread: fb049,308584e7ee36afcb
X-Google-Attributes: gidfb049,public
X-Google-Thread: 108778,308584e7ee36afcb
X-Google-Attributes: gid108778,public
From: cute@radiotelephone.net.ham (Cutie Boy)
Subject: Re: radio shacks 2-meter rigs
Date: 1998/01/03
```

Message-ID: <34ae2bbd.1506205@news.total.net>#1/1
X-Deja-AN: 312391902
References: <01bd13ac$f1425200$081871ce@default> <687q95$ie0$1@news.bc>
<34abc5f8.164334@news.total.net> <34adb5a9.0@198.164.187.20>
Reply-To: cute@radiotelephone.net.ham
Organization: The Cute !!
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

On Fri, 2 Jan 1998 23:47:16 -0400, "Graham VE1FC" <ve1fc@nbnet.nb.ca>
wrote:

>I have both a 202 and a 242.....

>The 202 is GREAT.. excellent receive..
>The 242 is just too dam broadband on receive...

I use 242 and I don't get any intermods usually...   202 doesn't also.

>I receive the local ambulance on the 147.165 machine here in town.. I wish
>the 242 was narrow band like the 202....

check your ambulance freqs to make sure that its image freq or double
or triple freq doesn't fall near 147.165.   I sometimes hear nearby
cordless phones on 147.060 which is directly coming from 49.02 MHz
cordless phone.

> Also sensitivity is poor on the
> 144-148 mhz area...

242 doesn't work well for SIMPLEX operation.

> Hell I got the 3 year contract...

I have a three year warranty too.

Gar�on Mignon (�galement connu comme M@S@)
Indicatif d'appel de radioamateur: VA2QRU & VE7JPN
�tudient @ Informatique et Math�matiques d'Universit� McGill
Montr�al, Qu�bec, Canada
Mail-Electronique: cute@radiotelephone.net.ham
URL : http://www.radiotelephone.net   (Universel)
       http://www.radiotelephone.net/amateur/   (Radio)
          http://www.geocities.com/~masataka/mcgill.htm (Universit� McGill)

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From -179379765289374025
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,308584e7ee36afcb
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,308584e7ee36afcb
X-Google-Attributes: gid10c9e3,public
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X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,308584e7ee36afcb
X-Google-Attributes: gid107ada,public
X-Google-Thread: fb049,308584e7ee36afcb
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,308584e7ee36afcb
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,308584e7ee36afcb
X-Google-Attributes: gid108778,public
From: "Chuck Crews" <crews@erols.com>
Subject: Re: radio shacks 2-meter rigs
Date: 1998/01/03
Message-ID: <68m8fm$1ms$1@winter.news.erols.com>#1/1
X-Deja-AN: 312488111
References: <01bd13ac$f1425200$081871ce@default>
<01bd15ef$a3f9dc30$26280a0a@jlochey> <34AAE849.757D73B1@netnet.net>
<34AC455C.AB25280D@datacomm.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
X-Complaints-To: abuse@erols.com
X-Trace: winter.news.erols.com 883860790 1756 207.172.66.119 (3 Jan 1998 20:53:10 GMT)
Organization: Erol's Internet Services
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

I have owned a RS HT-220 for years now. I prefer it over my Alinco HT most of the time.

Do not try to modify the Radio Shack HT-220. I have read too many horror stories about those who have tried.

I am a U.S. Navy Electronics Technician. I have gone over the schematics for the radio. There are no "SAFE" mods to be accomplished. I know of two people that have tried a "Safe Mod" on their radio. They both were destroyed. Radio Shack had the radio built this way on purpose.

73 de KD4REL

From 4018565552825172054
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d4f5ceda96b36dd1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,c46971af9b00f1b
X-Google-Attributes: gid114aac,public
X-Google-Thread: 101046,d4f5ceda96b36dd1,start
X-Google-Attributes: gid101046,public
X-Google-Thread: fa029,c46971af9b00f1b
X-Google-Attributes: gidfa029,public
X-Google-Thread: fcc6e,d4f5ceda96b36dd1,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,d4f5ceda96b36dd1,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1009ad,c46971af9b00f1b
X-Google-Attributes: gid1009ad,public
From: wb9jtk@flnet.com
Subject: Re: Interference!
Date: 1998/01/03
Message-ID: <34AF1A23.4AFE@flnet.com>#1/1
X-Deja-AN: 312557854
Content-Transfer-Encoding: 7bit
References: <68kha2$14s$1@news.n-link.com>
Content-Type: text/plain; charset=us-ascii
Organization: PacketWorks Public Newsserver
Mime-Version: 1.0
Reply-To: wb9jtk@flnet.com
Newsgroups:
alt.radio.scanner,rec.radio.scanner,rec.radio.shortwave,alt.radio,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,

[-Scanner-] wrote:
>
> Help!
>
> I used my Pro-2042 and Dx-398 next to my pc....
> I keep getting interference on both when I have the
> radios on (buzzing....etc)

The BEST THING YOU CAN DO about radio interference from your computer is the next time you buy ANYTHING for your computer or another computer system is to look for the FCC certification label.

Almost every computer you buy at the "local" shop that is put together there violates Federal Communications Commission regulations regarding emission of interference. If you do not have a class B certification label on the computer, it is in violation of the laws which require compliance with F.C.C. regulations.

ALL DIGITAL DEVICES sold for use in residential areas MUST be CERTIFIED to comply with CLASS B emissions requlations.

Look for the certification label BEFORE you buy. This will make more difference than all the ferrite beads and other tricks put together and be cheaper in the long run. Also, it is very difficult, but buy only high quality cables (to go to the printer and mouse and stuff) A GOOD 25 conductor RS232 cable will cost about $40 for a 12 footer. The $3 ones are going to carry the radio signals out of your computer and radiate them like an antenna.

But in reality.... put your receiving antennas as far away from you computer as you can and follow good engineering practice etc etc etc and this will drastically reduce your problem (assuming that when you move your antenna away from YOUR computer you are not moving it closer to someone else's !)

From 790574916235395521
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,308584e7ee36afcb
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,308584e7ee36afcb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,308584e7ee36afcb
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 106d41,308584e7ee36afcb
X-Google-Attributes: gid106d41,public
X-Google-Thread: 108778,308584e7ee36afcb
X-Google-Attributes: gid108778,public
X-Google-Thread: fb049,308584e7ee36afcb
X-Google-Attributes: gidfb049,public
X-Google-Thread: 107ada,308584e7ee36afcb
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,308584e7ee36afcb
X-Google-Attributes: gidfa656,public
From: fred@vaxxine.com (pete edmonds)
Subject: Re: radio shacks 2-meter rigs
Date: 1998/01/03
Message-ID: <68ne0k$ssk$1@alpha2.vaxxine.com>#1/1
X-Deja-AN: 312610412
References: <01bd13ac$f1425200$081871ce@default>
<01bd15ef$a3f9dc30$26280a0a@jlochey> <34AAE849.757D73B1@netnet.net>
<34AC455C.AB25280D@datacomm.com>
Organization: Vaxxine Computer Systems Inc.
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

Louis Bybee <louisb@datacomm.com> wrote:

```
>I have purchased a lot of things from Radio Shack and for the most part I have
been
>treated well. EDITED

>                                        Louis

>Dwight G. Bosselman wrote:

>> If you do buy Radio Shak, be sure to buy the service contract. EDITED
>> Beware when you buy! I surely won't waste my time or money on their stuff
>> again!
>>
>> 73 Dwight W9YQ
>>
>> John Lochey wrote:
>>
>> >
>> > DANO <kimo9@idt.net> wrote in article
>> > <01bd13ac$f1425200$081871ce@default>...
>> > > anyone had experience with rs mobile 2-meter rig. what did yiu think. can
>> > > it be converted for any goodies?  is it worth the money they're asking?
>> > any
>> > > suggestions for something in the same price range.
>> > >     DANO
>> > >
>>
>> --
>> 73 Dwight de W9YQ
```

Well we certainly seem to have some opinions above but I can only
speak for myself.I got one It went on sale 299. I think ? some time
last year. I like it for the money I spent.The only problems Ive had
at all is that the frequencies that I have in memories ie local
pd,fd,a simplex and a repeater accasionally get lost. BUT this may be
something that I am doing wrong in programming. The reason I bought
this (despite that I think that rs is over priced and under featured)

is that it was cheap and repairs cant be worse than all the rest of
the radios on the market (all the time in and waiting for expensive
parts). So bottom line I lke mine Would I trade it for anything else
NO. see ya

VE3-SAK Pete

```
From -7207927039734887719
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,18e30b04720c10f5
X-Google-Attributes: gid114aac,public
```

```
X-Google-Thread: 10c9e3,18e30b04720c10f5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,18e30b04720c10f5
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108122,18e30b04720c10f5
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,18e30b04720c10f5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,18e30b04720c10f5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1031c8,18e30b04720c10f5
X-Google-Attributes: gid1031c8,public
From: "Bro.David Cohen" <brodavid@enter.net>
Subject: WTB: fm bdcast/u pwr
Date: 1998/01/04
Message-ID: <34AF46BA.A3348C8E@enter.net>#1/1
X-Deja-AN: 312592557
Content-Transfer-Encoding: 7bit
References: <01bd12d8$c23793a0$d480dad0@francer.gis.net>
Content-Type: text/plain; charset=us-ascii
Organization: Doves Farm Ministries
Mime-Version: 1.0
Reply-To: bro.david@minister.com
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.rad
io.amateur.swap,rec.radio.shortwave,rec.radio.swap
```

WANTED:
micro power radio

FM broadcast, please state power, range, parts needed (antenna, mic,
etc), and price. am looking to set up small radio station, maybe 10
mile range, etc.

```
From 6288515512377105229
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d4f5ceda96b36dd1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,c46971af9b00f1b
X-Google-Attributes: gid114aac,public
X-Google-Thread: 1009ad,c46971af9b00f1b
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fcc6e,d4f5ceda96b36dd1
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa029,c46971af9b00f1b
X-Google-Attributes: gidfa029,public
X-Google-Thread: fa656,d4f5ceda96b36dd1
```

X-Google-Attributes: gidfa656,public
X-Google-Thread: 101046,d4f5ceda96b36dd1
X-Google-Attributes: gid101046,public
From: mweber@t140.aone.net.au (James Matthew Weber)
Subject: Re: Interference!
Date: 1998/01/04
Message-ID: <34b020bb.7128496@news.syd.aone.net.au>#1/1
X-Deja-AN: 312624388
Content-Transfer-Encoding: 7bit
References: <68kha2$14s$1@news.n-link.com> <34AF1A23.4AFE@flnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Organization: Customer of Access One Pty Ltd, Melbourne, Australia
Newsgroups:
alt.radio.scanner,rec.radio.scanner,rec.radio.shortwave,alt.radio,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna

On Sat, 03 Jan 1998 21:12:03 -0800, wb9jtk@flnet.com wrote:

>[-Scanner-] wrote:
>>
>> Help!
>>
>> I used my Pro-2042 and Dx-398 next to my pc....
>> I keep getting interference on both when I have the
>> radios on (buzzing....etc)
>The BEST THING YOU CAN DO about radio interference from your computer is
>the next time you buy ANYTHING for your computer or another computer
>system is to look for the FCC certification label.
>
>Almost every computer you buy at the "local" shop that is put together
>there violates Federal Communications Commission regulations regarding
>emission of interference. If you do not have a class B certification
>label on the computer, it is in violation of the laws which require
>compliance with F.C.C. regulations.
>
>ALL DIGITAL DEVICES sold for use in residential areas MUST be CERTIFIED
>to comply with CLASS B emissions requlations.
>
I wish it was that simple.

All digital devices INTENDED for use in residential area must be certified. if you use a device that was not intended for residential use, you are slightly screwed, and a great deal of computer equipment that is in use at home is NOT INTENDED for residential use. Only laptops are assumed to be intended for residential use, so all laptops must be class B.

Since class B is much stricter (read as more expensive to build conforming products), many PC manufacturers, especially the secondary brands, simply decide they don't intend to sell for residential use. Nothing prevents the retailer from selling them that way however.

Most large monitors are not intended for residential use, and frankly, a lot of smaller one are not intended for residential use, so they are certified to class A. I have NEVER seen a monitor certified as class A that actually met the standard, and I've been out on the test range many times.

>But in reality.... put your receiving antennas as far away from you
>computer as you can and follow good engineering practice etc etc etc and
>this will drastically reduce your problem (assuming that when you move
>your antenna away from YOUR computer you are not moving it closer to
>someone else's !)

A good idea, but some monitors produce so much noise, this is not practical. The problem is the saw tooth wave form used for horizontal output. The power involved is watts, not milliwatts or microwatts, and the nice sharp edges on the waveform push harmonics out very far into the HF spectrum. On the range I have often had no trouble finding these harmonics and measuring them at 30 meters. (100 feet). Couple with lousy shielding on the monitor case, and you have a recipe for serious HF interference.

From 2999830677437950200
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3aa56ad6ef6592f8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1036d7,3aa56ad6ef6592f8,start
X-Google-Attributes: gid1036d7,public
X-Google-Thread: 1020c5,3aa56ad6ef6592f8,start
X-Google-Attributes: gid1020c5,public
X-Google-Thread: f76e2,3aa56ad6ef6592f8,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10aaeb,3aa56ad6ef6592f8,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 1109af,3aa56ad6ef6592f8,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fe958,3aa56ad6ef6592f8,start
X-Google-Attributes: gidfe958,public
From: "J. Daniel Bell, Jr. KC4OXP" <kc4oxp@flash.net>
Subject: FS/TRADE IC-32AT
Date: 1998/01/04
Message-ID: <68o9at$scu$1@excalibur.flash.net>#1/1
X-Deja-AN: 312675409
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: Flashnet Communications, http://www.flash.net
Newsgroups: alabama.birmingham.forsale,alabama.birmingham.general,alabama.birmingham.radio.amateur,alt.bham.marketplace,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap

IC-32AT Dualbander - Good Condition

CM-35 Drop In Charger
BC-70 Battery
DC-Adapter
2 Dualband Antenna's (both rubber duckie antenna's)
BP-7 5 watt Battery
Wall Wart Charger

$250 or Trade for the following items :

Plain Paper Fax Machine (avg price on Used Fax Machines $150) + you add $$ to make the difference up

Desktop Police Scanner + $$

Or any other ham goodies also considered.

73 Daniel KC4OXP
KC4OXP@QSL.NET

From 8829528536407219322
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3aa56ad6ef6592f8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,3aa56ad6ef6592f8
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: fe958,3aa56ad6ef6592f8
X-Google-Attributes: gidfe958,public
X-Google-Thread: 1109af,3aa56ad6ef6592f8
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,3aa56ad6ef6592f8
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1036d7,3aa56ad6ef6592f8
X-Google-Attributes: gid1036d7,public
X-Google-Thread: 1020c5,3aa56ad6ef6592f8
X-Google-Attributes: gid1020c5,public
From: "J. Daniel Bell, Jr. KC4OXP" <kc4oxp@flash.net>
Subject: Re: FS/TRADE IC-32AT
Date: 1998/01/04
Message-ID: <68p5h6$gte$1@excalibur.flash.net>#1/1
X-Deja-AN: 312785786
References: <68o9at$scu$1@excalibur.flash.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: Flashnet Communications, http://www.flash.net
Newsgroups:
alabama.birmingham.forsale,alabama.birmingham.general,alabama.birmingham.radio.amateur,alt.bham.marketplace,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap

Thanks to everyone who was interested in the radio, it's been sold.

73 Daniel KC4OXP

>IC-32AT Dualbander - Good Condition
>CM-35 Drop In Charger
>BC-70 Battery
>DC-Adapter
>2 Dualband Antenna's (both rubber duckie antenna's)
>BP-7 5 watt Battery
>Wall Wart Charger
>
>$250 or Trade for the following items :

```
From 2736362090561818063
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ea8f4a9b3a6a19da,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,ea8f4a9b3a6a19da,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 115af6,ea8f4a9b3a6a19da,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 108778,ea8f4a9b3a6a19da,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 1031c8,ea8f4a9b3a6a19da,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,ea8f4a9b3a6a19da,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,ea8f4a9b3a6a19da,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 1109af,ea8f4a9b3a6a19da,start
X-Google-Attributes: gid1109af,public
From: "Rod Ekholm" <kc7aad@boink.net>
Subject: WTB or Trade: Repeater controller...
Date: 1998/01/05
Message-ID: <01bd1986$14864da0$bb5760ce@default>#1/1
X-Deja-AN: 312835722
Organization: Northwest Amateur Network
Newsgroups: alt.radio.amateur,rec.ham-radio,rec.radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.swap,rec.radio.swap
```

Am looking for a repeater controller.Would need to have voice synthesizer and autopatch is not a necessary thing. Would be willing to buy if it is under 250.00 or above that price mark I would be interested in trading some gear.

Available gear:
ic 727?? i don't remember the mod # but believ that's it. it's hf + 6m
hasonly been used for maybe 20 bours at one field day about 3 years ago.

Also have dualband ht's available:
ic-w2a
standard c-528a
Both have batts, and some other misc accessories.

also have dualband commercial mobile.
alinco ald-24t
single band rx at one time. comes with tt mic.

anything interest you???? let me know. de RodEkholm Jr.
kc7aad@boink.net

pgr(509)889-8779

From -5908844112656961057
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,c01c4b53b0aaf469,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,c01c4b53b0aaf469,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,c01c4b53b0aaf469,start
X-Google-Attributes: gidfa656,public
From: &miker <&miker@ethergate.com>
Subject: Repeater desense, =?iso-8859-1?Q?what=92s?= the mechanism?
Date: 1998/01/05
Message-ID: <34B1869B.9EE@ethergate.com>#1/1
X-Deja-AN: 313141057
Content-Transfer-Encoding: quoted-printable
Mime-Version: 1.0
Reply-To: &miker@ethergate.com
Content-Type: text/plain; charset=iso-8859-1
Organization: AUSNet Services
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.homebrew

Repeater desense, what=92s the mechanism?

I want to build a small 440 MHz. repeater to be installed in a low-RF
interference site.
So I only need to worry about desense from my own transmitter.
Can anyone tell me the desense mechanism?

When I talk with the local experienced repeater builders, I hear that
the =93front-end=94
is being overloaded, with no precise explanation of what that means. =

I=92m not understanding

how -20dbm, in my case, is overloading the RF amplifier. Is there a
rule of thumb for
how much signal is too much?

If I know what I=92m looking for, I can figure out how much isolation I
need for this
particular set of equipment.

Desense, as I understand it, is the reduction I sensitivity at one
frequency caused
by RF input at another frequency. But just what is happening in the
receiver?
5 MHz away is WAY out if the second IF bandpass. Isn=92t he input signal=

is far to
small to saturate the first RF amplifier? I=92m theorizing that the
problem is
saturation somewhere in the first IF stage or second mixer.

Can anyone explain what is saturating and give tips on how to measure it
and calculate
required isolation?

Also can anyone give advice on measuring small signals in the pressence =

of large signals?
I=92m so fearful of accidentally keying the transmitter or detuning the
duplexer or creating
a spur outside the notch that I won=92t hook the spectrum analyzer
directly up to the thing.
If I put in enough attenuation to protect the mixer against full
transmitter power, I don=92t =

have enough useful dynamic range. There=92s a small limiter in the
analyzer, but that just means
that I have to replace the limiter AND the mixer. Can I build an
external limiter, with =

inexpensive and
available parts, that will protect against tens of watts at 440 Mhz?

TNX for your help, miker

-- =

Please remove & from return address before replying.

From 6496198936599549915
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,308584e7ee36afcb

X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,308584e7ee36afcb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,308584e7ee36afcb
X-Google-Attributes: gidfb049,public
X-Google-Thread: 108778,308584e7ee36afcb
X-Google-Attributes: gid108778,public
X-Google-Thread: 107ada,308584e7ee36afcb
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,308584e7ee36afcb
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,308584e7ee36afcb
X-Google-Attributes: gidfa656,public
From: KC7ZRU <NO-SPAM@cyberhighway.net>
Subject: Re: radio shacks 2-meter rigs
Date: 1998/01/05
Message-ID: <34B1D469.DC51D0D6@cyberhighway.net>#1/1
X-Deja-AN: 313218461
Content-Transfer-Encoding: 7bit
References: <01bd13ac$f1425200$081871ce@default>
<01bd15ef$a3f9dc30$26280a0a@jlochey> <34AAE849.757D73B1@netnet.net>
<Pine.BSI.3.95.980102091712.2870A-100000@home.dp.net>
<68j2l6$nm$1@leo.brooks.af.mil>
Mime-Version: 1.0
Reply-To: 127KC7ZRU721@cyberhighway.net
To: Thomas Weeks <Thomas.Weeks@mirage.brooks.af.mil>
Content-Type: text/plain; charset=us-ascii
Organization: Thank the spammers for the many spam bot avoidances.
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc

You can find the 'final word' on harware hacks on the HTX-202 at www.radioshack.com.

Just to save you a short trip - the manual specificaly says, "This radio cannot be modified for expanded frequencies". I've had mine for about 3 months now - and have searched all I know to search for any mods (online and other) - so far I've found a grand total of - none (excpet the one that fries the rig).

RS does show how to setup a patch cable for a TNC at their web site.

73 de KC7ZRU

Thomas Weeks wrote:

> In article <Pine.BSI.3.95.980102091712.2870A-100000@home.dp.net>, tech@dp.net says...
> >
> >

```
>  >It goes something like this....... No matter who makes it, every company
>  >gets a lemon or two, or perhaps a run of them, in their line up.
>  >It happens with cars, radios, etc.
>  >
>  >I have owned 3 RS 202's and know of others that own them , and have had
>  >little if any problems,
>
> Hi!
>
> I just got a used 202 for $120 and am working on getting my tech or novice
license...
>
> I am an EE (EET really) and was interested if you knew about any good hardware
hacks that can be
> performed on this rig...?
>
> PLease send replies to tweeks@texas.net
>
> Thanx..
>
> Tom D Tek



--
All opinions expressed are my own.  |   Remove the Spambot blinders
  You are encouaged to disagree     |        "127 and "721"
     or aggree - your choice        |       from my Reply To:
       They are still mine          |     address to send email





From -7817863996983415388
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,c01c4b53b0aaf469
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,c01c4b53b0aaf469
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,c01c4b53b0aaf469
X-Google-Attributes: gidfc2a5,public
From: Bob Doyle <doyle@primenet.com>
Subject: Re: Repeater desense, what s the mechanism?
Date: 1998/01/06
Message-ID: <34B1DCD7.65A0302A@primenet.com>#1/1
X-Deja-AN: 313228112
Content-Transfer-Encoding: quoted-printable
References: <34B1869B.9EE@ethergate.com>
Content-Type: text/plain; charset=iso-8859-1
Organization: Primenet Services for the Internet
MIME-Version: 1.0
X-Posted-By: @206.165.23.60 (doyle)
```

Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.homebrew

&miker wrote:

> =
>
> Repeater desense, what=92s the mechanism?
>
> =
>
> I want to build a small 440 MHz. repeater to be installed in a low-RF
> interference site.
> So I only need to worry about desense from my own transmitter.
> Can anyone tell me the desense mechanism?
>
> =
>
> When I talk with the local experienced repeater builders, I hear that
> the =93front-end=94
> is being overloaded, with no precise explanation of what that means.
> I=92m not understanding
> how -20dbm, in my case, is overloading the RF amplifier. Is there a
> rule of thumb for how much signal is too much?

[snip]

Desense does not have to be (and in my experience is most often not)
caused by too much signal into the front end of the receiver. Most
frequently the desense is a real signal on the receiver frequency that
is caused the the transmitter signal mixing with another signal.

The problem is that with the dynamic ranges in a repeater (+50 dBm
transmitter sharing an antenna with a -120dBm receiver) almost anything
can act like a mixer including rusty antenna hardware or a exhaust fan
on =

the neighbors house (I've seen them both and more; and yes rust can be
semiconductor). Remember, this mixer can have 150dB of conversion loss
and still cause you problems...

As for 'the other signal' all you need is a signal that is on the
split frequency, or on a harmonic of the split frequency, or any of the
dozens of mixer spur frequencies. =

> Can anyone explain what is saturating and give tips on how to measure i=
t
> and calculate required isolation?

See above

[snip]

> Also can anyone give advice on measuring small signals in the pressence=

> of large signals?

It is very tough to measure. Best to divide and conquer. Get the radio
transmitting and receiving with seperate dummy loads. Add the duplexer
and make it work with a single dummy load with no desense. Add the
feedline.
Repeat. Add the antenna. Repeat. Add the final installation. Repeat.

Bob

From 9114059621195883898
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,c01c4b53b0aaf469
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,c01c4b53b0aaf469
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,c01c4b53b0aaf469
X-Google-Attributes: gidfa656,public
From: keinanen@sci.fi (Paul Keinanen)
Subject: Re: Repeater desense, what�s the mechanism?
Date: 1998/01/06
Message-ID: <34bbf2a5.425454240@news.sci.fi>#1/1
X-Deja-AN: 313279488
Content-Transfer-Encoding: 8bit
References: <34B1869B.9EE@ethergate.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Organization: Scifi Communications International, http://www.sci.fi/,
helpdesk@sci.fi, +358 3 2899111
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.homebrew

On Mon, 05 Jan 1998 17:19:23 -0800, &miker <&miker@ethergate.com>
wrote:

>Repeater desense, what�s the mechanism?

There are several things that can go wrong.

>
>I want to build a small 440 MHz. repeater to be installed in a low-RF
>interference site.

You did not tell, if you had a common antenna for Rx and Tx, duplexer
type (bandpass/notch) on Rx (and Tx) and transmitter power, so I have
to guess in some points.

>So I only need to worry about desense from my own transmitter.
>Can anyone tell me the desense mechanism?
>

>When I talk with the local experienced repeater builders, I hear that
>the �front-end�
>is being overloaded, with no precise explanation of what that means.
>I�m not understanding
>how -20dbm, in my case, is overloading the RF amplifier. Is there a
>rule of thumb for
>how much signal is too much?

It depends quite a lot of the receiver design.

A typical UHF receiver has at least one RF amplifier before an active mixer. The gain from the Rx input to the mixer output might well be +20 dB, so the Tx signal leakage is now at +0dBm (provided that it has not been attenuated by any bandpass (helical) filters between the RF-amplifier and the 1st mixer. While +0dBm into 50 ohms is still only 220 mVrms, the active mixers usually operate at higher output impedance levels such as 1 kohm. +0dBm into 1 kOhm is 1Vrms or nearly 3 V peak-to-peak, which is uncomfortably close to the operating voltage of a typical front end. There are strong mixing products at fTx-fLo and fTx+fLo and if these frequencies are not terminated into a proper impedance, these can cause problems to the mixer.

A typical NBFM receiver will give a usable signal at around -120 dBm and if you try to get that sensitivity with the -20 dBm Tx leakage, you still need a 100 dB dynamic range, which is hard for an RF-amplifier. A few years ago, it was hard to get 100 dB dynamic range even with audio amplifiers with feedback.

The 100 dB difference between the weak wanted signal and the strong Tx leakage also means that the strong unwanted signal must be suppressed by more than 100 dB (relative to the wanted signal) before it hits the first stage that limits. Due to filter "leak around" it is very hard to get this kind of attenuation in a single filter even if the filter itself could attenuate that much, so a careful gain distribution must be used between multiple filters.

One thing in repeater desense cases, which is easily overlooked is the phase noise of the transmitter. If common Rx and Tx antennas are used, the phase noise of the transmitter as far out as the Rx frequency can be so strong that it swamps a weak signal. While a notch in the Rx chain tuned to the Tx frequency effectively attenuates the nominal Tx frequency to tolerable levels, it does nothing to the far out phase noise, which will penetrate into the receiver without attenuation. If the target sensitivity is -120 dBm and assuming for simplicity, that the needed signal bandwidth is 10 kHz, the phase noise density must be less than -160 dBm/Hz. If the transmitter power is 100 W or +50 dBm, the maximum phase noise density at +/- 5 MHz from the carrier must be -210 dBc/Hz. If the phase noise for a typical UHF FM transmitter at that offset is -140 dBc/Hz, the notch (tuned to the Rx frequency) in the _Tx_ to antenna line must be at least -70 dB deep.

Incidently, the notch required in the _Rx_ line is also -70 dB (from 100 W or +50 dBm to -20 dBm) so about the same amount of filtering is required in both the transmitter and receiver feeder lines. While it is important for the health of the receiver to tune properly the notch in the receiver feed, for optimum performance, the notch in the Tx feeder must also be tuned very carefully.

While the transmitter phase noise (-140 dBc/Hz) used in the example might apply for a bad synthesized FM transmitter, better far out noise performance can be obtained with crystal controlled multiplier chains. Using multiplier chains it can be easier to find suitable helical filters (at say 144 MHz) to clean up the far out phase noise. When (most of) the filtering is done in the multiplier chain or before the final amplifier at the operating frequency, small, low power filters can be used. If the notch is between the transmitter final amplifier and the antenna, RF generated at high cost are used to heat the duplexers, since the notch filters have some pass band losses at the Tx frequency.

Paul OH3LWR

From 7945414113408028289
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,13b4fe8cb65e81cd,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,13b4fe8cb65e81cd,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: f76e2,13b4fe8cb65e81cd,start
X-Google-Attributes: gidf76e2,public
From: "J. Daniel Bell, Jr. KC4OXP" <kc4oxp@flash.net>
Subject: WTB:Alinco 2 meter DJ-S11T HT.
Date: 1998/01/06
Message-ID: <68umkj$bnt$1@excalibur.flash.net>#1/1
X-Deja-AN: 313473728
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.2106.4
Organization: Flashnet Communications, http://www.flash.net
Newsgroups: alabama.birmingham.radio.amateur,rec.ham-radio,rec.ham-radio.swap

Would perfer one that the mods have already been done. Email with price and condition - I can get a NEW DJ-S11T for LESS than $85.
Email me with your price - SHIPPED.

73 Daniel KC4OXP
KC4OXP@QSL.NET

```
From 716142357072325816
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,308584e7ee36afcb
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,308584e7ee36afcb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,308584e7ee36afcb
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 107ada,308584e7ee36afcb
X-Google-Attributes: gid107ada,public
X-Google-Thread: 106d41,308584e7ee36afcb
X-Google-Attributes: gid106d41,public
X-Google-Thread: fa656,308584e7ee36afcb
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb049,308584e7ee36afcb
X-Google-Attributes: gidfb049,public
X-Google-Thread: 108778,308584e7ee36afcb
X-Google-Attributes: gid108778,public
From: Ron Cole <thetetons@provide.net>
Subject: Re: radio shacks 2-meter rigs
Date: 1998/01/06
Message-ID: <34B2E40C.77E@provide.net>#1/1
X-Deja-AN: 313485088
Content-Transfer-Encoding: 7bit
References: <01bd13ac$f1425200$081871ce@default>
<01bd15ef$a3f9dc30$26280a0a@jlochey> <34AAE849.757D73B1@netnet.net>
<Pine.BSI.3.95.980102091712.2870A-100000@home.dp.net>
Mime-Version: 1.0
Reply-To: thetetons@provide.net
Content-Type: text/plain; charset=us-ascii
Organization: Self
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-
uhf,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb
```

tech wrote:

>
> It goes something like this....... No matter who makes it, every company
> gets a lemon or two, or perhaps a run of them, in their line up.
> It happens with cars, radios, etc.
>
> I have owned 3 RS 202's and know of others that own them , and have had
> little if any problems,..........

I have had my 202 for about 3 months and then the hi/lo power switch started to get touchy! I hooked the rig up to a power meter to test the output between low and high power. There was only about a 1 - 1 1/2 watt diff between high and low. My reflected power vs. forward power was also quite high. I took the radio in last week because the switch finally gave way. I hardly ever took it off of high power, except to hook it up to one of their 30 watt amps. On that note, I think the power amp is starting to go (only 1 month old). I get a lot of AC hum and I am using a regulated power supply.

I feel that in general most of their ham radios and components are cheaply made!

But, I LOVE my pro-62 scanner!

KC8HZX

From 2400856922586268433
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,27b383926a2c7142,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,27b383926a2c7142,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,27b383926a2c7142,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fc8b1,27b383926a2c7142,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa656,27b383926a2c7142,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,27b383926a2c7142,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f76e2,27b383926a2c7142,start
X-Google-Attributes: gidf76e2,public
From: gwilljo@cwo.com (KB6WKW)
Subject: FS: Heathkit SB301&401
Date: 1998/01/07
Message-ID: <68utam$ggs$1@bigdog.eli.net>#1/1
X-Deja-AN: 313502127
Mime-Version: 1.0
Content-Type: Text/Plain; charset=US-ASCII
Organization: ELI.NET Usenet Newsreader Service
Newsgroups: rec.radio.amateur.boatanchors,rec.radio.amateur.homebrew,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.swap,rec.radio.amateur.equipment,rec.ham-radio.swap

For Sale SB301 and 401 with cables and original manuals $275.00 plus shipping (50 lbs from zipcode 95822)
It works but transmitter needs 6146's in the finals. I'm tired of changing them and neutralizing them, etc.

Greg
KB6WKW

From -5329507026195312816
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,4bf315c811c2bc0a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,4bf315c811c2bc0a,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fddbf,4bf315c811c2bc0a,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 1031c8,4bf315c811c2bc0a,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,4bf315c811c2bc0a,start
X-Google-Attributes: gidf76e2,public
From: markbent@bento.org (Mark J. Bento)
Subject: FS 440 Repeater System
Date: 1998/01/07
Message-ID: <34b3b464.72945434@news.ici.net>#1/1
X-Deja-AN: 313666247
Organization: The Internet Connection
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap

Hello I have a complete 440 repeater system for sale duplexers included and ant. and your off and running. system is less than a year old and still under warrenty. it is a kendercom system and is on 442.350 kendercom will give the buter of this repeater the remainder of the warranty system has the multifax board in it for voice id and other opt. interested call me at 508-998-5315 email markbent@bento.org 2500.00 we can talk what might you have to swap with some money for the unit.
Again my Phone is 508-998-5315 and email is markbent@bento.org
73's
Mark

From -2853586233402477803
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,f041c2cedec593de,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,4bf315c811c2bc0a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,4bf315c811c2bc0a
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,4bf315c811c2bc0a
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,4bf315c811c2bc0a
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 1031c8,4bf315c811c2bc0a
X-Google-Attributes: gid1031c8,public
From: markbent@bento.org (Mark J. Bento)
Subject: FS 440 Repeater System
Date: 1998/01/07
Message-ID: <34b3d1e8.4967469@news.ici.net>#1/1

X-Deja-AN: 313702363
Organization: The Internet Connection
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap,alt.ham-radio.marketplace

Hello I have a complete 440 repeater system for sale duplexers included and ant. and your off and running. system is less than a year old and still under warrenty. it is a kendercom system and is on 442.350 kendercom will give the buter of this repeater the remainder of the warranty system has the multifax board in it for voice id and other opt. interested call me at 508-998-5315 email markbent@bento.org 2500.00 we can talk what might you have to swap with some money for the unit.
Again my Phone is 508-998-5315 and email is markbent@bento.org
73's
Mark

From 8132791854360145527
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,f041c2cedec593de
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,4bf315c811c2bc0a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,4bf315c811c2bc0a
X-Google-Attributes: gid108122,public
X-Google-Thread: fddbf,4bf315c811c2bc0a
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 1031c8,4bf315c811c2bc0a
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,4bf315c811c2bc0a
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f4306,7138b24aac18be1d,start
X-Google-Attributes: gidf4306,public
From: markbent@bento.org (Mark J. Bento)
Subject: FS 440 Repeater System
Date: 1998/01/07
Message-ID: <34b3d228.5032407@news.ici.net>#1/1
X-Deja-AN: 313702364
Organization: The Internet Connection
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap,alt.ham-radio.marketplace,alt.ham-radio.packet

Hello I have a complete 440 repeater system for sale duplexers included and ant. and your off and running. system is less than a year old and still under warrenty. it is a kendercom system and is on 442.350 kendercom will give the buter of this repeater the remainder

of the warranty system has the multifax board in it for voice id and
other opt. interested call me at 508-998-5315 email markbent@bento.org
2500.00 we can talk what might you have to swap with some money for
the unit.
Again my Phone is 508-998-5315 and email is markbent@bento.org
73's
Mark

```
From -3811378106279135899
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61401862dfcd17d8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,61401862dfcd17d8,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108122,61401862dfcd17d8,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,61401862dfcd17d8,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,61401862dfcd17d8,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,61401862dfcd17d8,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,61401862dfcd17d8,start
X-Google-Attributes: gid1031c8,public
From: "Charles Francer" <francer@gis.net>
Subject: FS OR TRADE Cushcraft Antenna
Date: 1998/01/07
Message-ID: <01bd1bb6$f5b639c0$da80dad0@francer.gis.net>#1/1
X-Deja-AN: 314041716
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap
```

Hello To All,

I am selling a Cushcraft 10 meter magnet mount antenna (Model CS-28M) in
Brand New Condition. I purchased this in anticipation of putting a 10 mtr
rig in my truck but the deal fell through. I have used this antenna ONCE.

HRO PRICE: $59.95
****YOUR COST $39.95*** plus shipping

Thank-you for reading my ad.

Charles Francer, N1RPD
francer@gis.net
n1rpd@amsat.org
n1rpd@rocketmail.com

From 2934878573313833886
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,184f0a4e416eeae8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,184f0a4e416eeae8,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,184f0a4e416eeae8,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,184f0a4e416eeae8,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f76e2,184f0a4e416eeae8,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,184f0a4e416eeae8,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,184f0a4e416eeae8,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1031c8,184f0a4e416eeae8,start
X-Google-Attributes: gid1031c8,public
From: Cole and Kathy <kc5swi@flash.net>
Subject: GE Master 2 HELP PLEASE!!
Date: 1998/01/08
Message-ID: <34B4FC4A.AA6A15FD@flash.net>#1/1
X-Deja-AN: 313986737
Content-Transfer-Encoding: 7bit
Mime-Version: 1.0
Reply-To: kc5swi@flash.net
Content-Type: text/plain; charset=us-ascii
Organization: Flashnet Communications, http://www.flash.net
Newsgroups:
rec.radio.amateur.equipment,rec.radio.amateur,rec.radio.swap,rec.radio.amateur.swap,rec.radio.amateur.antenna,rec.radio.amateur.misc,rec.ham-radio,rec.ham-radio.swap

Would anyone advise me on the pin out of a GE master 2 control cable plug<at the radio>. I don't have a cable and need to know where i need to put positive and negative connections to the front of the radio as i am using an internal repeater controller <nhrc-3 mii-90> and have deleted the control head.

I realize the two large pins are + and -, but the smaller pins must have a pos and neg. pin in there somewhere.

Thanks for any help!!
please e-mail responses....
73
Cole
KC5SWI@flash.net

From -9100475520335599037
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,26c2d4e99326cd4f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,26c2d4e99326cd4f,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,26c2d4e99326cd4f,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fa029,26c2d4e99326cd4f,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: f76e2,26c2d4e99326cd4f,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,26c2d4e99326cd4f,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,26c2d4e99326cd4f,start
X-Google-Attributes: gid107ada,public
From: Al <daclark@lni.net>
Subject: FS Yaesu FL-2100B AMP
Date: 1998/01/08
Message-ID: <34B553B8.6ADB@lni.net>#1/1
X-Deja-AN: 314041724
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Organization: Technology Dimensions Inc. 114 E Elm Ave Monroe,MI 48162
Mime-Version: 1.0
Reply-To: daclark@lni.net
Newsgroups: rec.radio.swap,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc

I have a mint Yaesu FL-2100b Linear Amplifier designed to match the
Yaesu Ft-101 series transceivers. Plate input: 1200 Watts PEP, 1000
Watts CW, and 600 Watts AM, Grounded Grid Class B.
Requires 110 or 220 AC currently wired for 110AC, Forced air cooling,
wt. 41 Lbs.
  Has orginal protective plastic covering the face! Tubes are 2 X 572b
triodes and are solid.
This amp is top of the line in every respect, Price is only $450.00, but
might consider a trade. I have just to much equipment and need to down
size, I have 3 amps and I can't use all of them.
Price includes orginal manual, but not shipping! Shipping is Extra!
73 & best wishes
Al

From -1391386601412594446
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e33eaba2f68057ac
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,e33eaba2f68057ac

```
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,e33eaba2f68057ac
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114aac,e33eaba2f68057ac
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,e33eaba2f68057ac
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,e33eaba2f68057ac
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,e33eaba2f68057ac
X-Google-Attributes: gid1031c8,public
From: cangelet <cangelet@neo.lrun.com>
Subject: Re: SALE - List
Date: 1998/01/08
Message-ID: <NEWTNews.884311107.12303.cangelet@my-computer.neo.lrun.com>#1/1
X-Deja-AN: 314157168
References: <01bd12da$03cd5240$d480dad0@francer.gis.net>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII
X-Complaints-To: abuse@neo.lrun.com
X-Trace: akron5.neo.lrun.com 884311108 28081 (None) 204.210.212.42
Organization: Road Runner High Speed Online -- Northeast Ohio, USA
Newsgroups:
rec.radio.shortwave,rec.radio.amateur.swap,rec.radio.amateur.misc,rec.radio.amateu
r.equipment,rec.radio.amateur,rec.ham-radio.swap,rec.ham-radio



In Article<01bd12da$03cd5240$d480dad0@francer.gis.net>, <francer@gis.net> writes:
> Path: akron5.neo.lrun.com!peerfeed!newsfeed.internetmci.com!207.126.101.73!
Supernews73!supernews.com!Supernews69!not-for-mail
> From: "Charles Francer" <francer@gis.net>
> Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,re
c.radio.amateur.swap,rec.radio.shortwave
> Subject: SALE - List
> Date: 28 Dec 1997 01:54:29 GMT
> Organization: All USENET -- http://www.Supernews.com
> Lines: 13
> Sender: @208.218.128.215
> Message-ID: <01bd12da$03cd5240$d480dad0@francer.gis.net>
> NNTP-Posting-Host: 19772@208.218.128.215
> X-Newsreader: Microsoft Internet News 4.70.1155
> Xref: akron5.neo.lrun.com rec.ham-radio:1755 rec.ham-radio.swap:2126
rec.radio.amateur:2903 rec.radio.amateur.equipment:58879
rec.radio.amateur.misc:132990 rec.radio.amateur.swap:1113
rec.radio.shortwave:101233
>
> FOR SALE:   PYRAMID  GOLD SERIES POWER SUPPLY - DUAL METERS MODEL PS-26K .
> Adjustable Voltage Output - In Box and all docs. 22amps
> $99.00 +Shipping or obo
>
>  Quality-SHURE- Prologue Microphone Model 6L-B  NEW COND IN BOX WITH. Used
```

> for 2 months
> papers. $XX.xx Best Offer + ship
> Charles Francer n1rpd
> n1rpd@amsat.org
>
>
>
>

From -6681819459338999771
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,308584e7ee36afcb
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,308584e7ee36afcb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,308584e7ee36afcb
X-Google-Attributes: gid108778,public
X-Google-Thread: 10ed5f,308584e7ee36afcb
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fb049,308584e7ee36afcb
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa656,308584e7ee36afcb
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,308584e7ee36afcb
X-Google-Attributes: gid107ada,public
X-Google-Thread: 106d41,308584e7ee36afcb
X-Google-Attributes: gid106d41,public
From: tech <tech@dp.net>
Subject: Re: radio shacks 2-meter rigs
Date: 1998/01/08
Message-ID: <Pine.BSI.3.95.980108215434.13793A-100000@home.dp.net>#1/1
X-Deja-AN: 314173806
References: <01bd13ac$f1425200$081871ce@default>
<01bd15ef$a3f9dc30$26280a0a@jlochey> <34AAE849.757D73B1@netnet.net>
<Pine.BSI.3.95.980102091712.2870A-100000@home.dp.net>
<68j2l6$nm$1@leo.brooks.af.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII
Organization: TheNETconnection!
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

On 2 Jan 1998, Thomas Weeks wrote:

> Date: 2 Jan 1998 15:55:18 GMT
> From: Thomas Weeks <Thomas.Weeks@mirage.brooks.af.mil>
> Newsgroups: alt.ham-radio, alt.ham-radio.fm, alt.ham-radio.vhf-uhf,

```
>     alt.radio.amateur, rec.ham-radio, rec.radio.amateur,
>     rec.radio.amateur.misc, rec.radio.cb
> Subject: Re: radio shacks 2-meter rigs
>
> In article <Pine.BSI.3.95.980102091712.2870A-100000@home.dp.net>, tech@dp.net
says...
>  >
>  >
>  >It goes something like this....... No matter who makes it, every company
>  >gets a lemon or two, or perhaps a run of them, in their line up.
>  >It happens with cars, radios, etc.
>  >
>  >I have owned 3 RS 202's and know of others that own them , and have had
>  >little if any problems,
>
> Hi!
>
> I just got a used 202 for $120 and am working on getting my tech or novice
license...
>
> I am an EE (EET really) and was interested if you knew about any good hardware
hacks that can be
> performed on this rig...?
>
> PLease send replies to tweeks@texas.net
>
> Thanx..
>
> Tom D Tek
>
>
>

There are none to be had to my knowledge. Sorry!




From -3393475475254565365
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f44e522307b61b3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,4f44e522307b61b3,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 108122,4f44e522307b61b3,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,4f44e522307b61b3,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,4f44e522307b61b3,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,4f44e522307b61b3,start
X-Google-Attributes: gidfa656,public
```

X-Google-Thread: f76e2,4f44e522307b61b3,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,4f44e522307b61b3,start
X-Google-Attributes: gid107ada,public
From: "Charles Francer" <francer@gis.net>
Subject: Quality Pwr Supply & Sure Mic NEW Cond
Date: 1997/11/15
Message-ID: <01bcf1d1$dc5750e0$857806d1@francer.gis.net>#1/1
X-Deja-AN: 290403896
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.shortwave,rec.radio.swap

FOR SALE: PYRAMID GOLD SERIES POWER SUPPLY - DUAL METERS MODEL PS-26K .
Adjustable Voltage Output - In Box and all docs. 22amps
$75.00 +Shipping

Quality-SHURE- Prologue Microphone Model 6L-B NEW COND IN BOX WITH
papers. $85.00+Shipped

Charles Francer n1rpd
n1rpd@amsat.org

From -4071373897551349085
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,904103806abee6fa,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,904103806abee6fa,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1284e4,904103806abee6fa,start
X-Google-Attributes: gid1284e4,public
From: Don Sprague <dsprague@gwi.net>
Subject: Kenwood TS 870 Transceiver w/SO-2 TCXO unit.
Date: 1997/11/16
Message-ID: <346EA7BD.440DCAEA@gwi.net>#1/1
X-Deja-AN: 289905956
Organization: Great Works Internet
Newsgroups: rec.ham-radio,rec.radio.amateur.misc,rec.radio.amatur.equipment

For Sale: Kenwood TS 870 Transceiver w/SO-2 TCXO unit.

Mint condition with all manuals, mike & original box.

Incredible receiver fidelity.

Price $1650 plus shipping.

Tel: 207-549-3192

Need cash but plan to get same rig next spring.

Don de N1AUY

From 3946510012187880428
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d03b7d54b5f049ea,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,d03b7d54b5f049ea,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,d03b7d54b5f049ea,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,d03b7d54b5f049ea,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fc8b1,d03b7d54b5f049ea,start
X-Google-Attributes: gidfc8b1,public
From: Radio Man <starman@mtco.com>
Subject: FS: Antenna Tuners
Date: 1997/11/16
Message-ID: <346F9997.50E9@mtco.com>#1/1
X-Deja-AN: 290048797
Reply-To: starman@mtco.com
Organization: PDN/Chatlink
Newsgroups: rec.radio.amateur.equipment,rec.ham-radio,rec.radio.amateur.boatanchors,rec.radio.swap,rec.radio.amateur.swap

For Sale: I have two antenna tuners...

1) Dentron "Jr. Monitor" -- Compact size makes it excellent for QRP or power up to 300 watts. Covers 80 thru 10 meters. Size is about 2 x 6 x 6 inches. Looks like new with manual. Rugged design and built to last. $45 + Shipping on 3 pounds.

2) MFJ-969 Roller Inductor Tuner -- Has built-in 300 watt dummy load and antenna switch. Like new and still in the box. Excellent HF tuner!
$110 + Shipping on 6 pounds.

Thanks,

Steve WA9FDZ (ex WB9KEV)

From 7202394323606832850
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75da10fab58c08a1,start

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,75da10fab58c08a1,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,75da10fab58c08a1,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 1109af,75da10fab58c08a1,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,75da10fab58c08a1,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fc8b1,75da10fab58c08a1,start
X-Google-Attributes: gidfc8b1,public
From: Radio Man <starman@mtco.com>
Subject: FS: Ham Accessories
Date: 1997/11/16
Message-ID: <346FA3A4.11DC@mtco.com>#1/1
X-Deja-AN: 290048800
Reply-To: starman@mtco.com
Organization: PDN/Chatlink
Newsgroups: rec.ham-radio,rec.radio.swap,rec.radio.amateur.swap,rec.radio.amateur.equipment,rec.radio.amateur.boatanchors,rec.radio.amateur.antenna

For Sale:

1) Hustler 6BTV all-band (60 thru 10 including 30M) vertical antenna. Used 1 month and then carefully disassembled and put back into original box. No damage, clean, works great. The wife just didn't like it sticking out of the ground in the back yard. $110 + Shipping.

2) Bencher BY-1 iambic CW paddle. Very good condition. $40 + Shipping.

3) MFJ-564 iambic CW paddle. Like new in original box. Chrome plated base, red paddles. $40 + Shipping.

4) MFJ-1272 MYV packet/microphone switch. This accessory allows you to have your TNC and mic hooked to the rig at the same time. A front pannel switch allows you to change between the TNC or Mic wit the push of a button. Also, the 1272 makes it easy to hook your KAM to a Yaesu without any soldering. Includes necessary cables. Like new in original box. $25 + Shipping.

5) B&W "Model 600" Grid Dip Meter. Excellent diagnostic and design tool. In very good condition. Includes coils covering broadcast to 240Mhz, wooden case, manual, spare tube. $45 + Shipping.

6) SURE 488T Noise Cancelling Microphone -- Transistorized hand mic that is FAA certified for Aircraft application (TSO-C58) Frequency response from 200 to 4 KHz. Low impedance dynamic (100 to 220 ohms) element. With Neoprene coiled cord and data sheet. Ready to be wired for your application. Used, but clean. $25 + Shipping.

7) TUBES -- Quantity of 96 tubes. 37 of them are in original tattered
JAN boxes. Numbers like: 26C6, 6CZ5, 6DJ8, 6BL8, 6B8, 12K8-Y, 12SK7,
12A6, 12SQ7, 6J5, 12SR7, 6L7, 26V6, 26A6, 26FZ6, 26D6, 6AL5, 12AU7,
6AJ5, 12SA7, 12SJ7, 12SA7Y, and one (1) 4X150D transmitter tube. All
tubes have been tested on a TV-7 military tube tester and found to be
good. All 96 tubes for $40 + Shipping

Thanks,

Steve WA9FDZ (ex WB9KEV)

From 5103134896751016168
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4af800e79e387e3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,e4af800e79e387e3,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,e4af800e79e387e3,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1031c8,e4af800e79e387e3,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1109af,e4af800e79e387e3,start
X-Google-Attributes: gid1109af,public
From: Radio Man <starman@mtco.com>
Subject: FS: ACR-RT-10 XCVR
Date: 1997/11/16
Message-ID: <346F9B72.4002@mtco.com>#1/1
X-Deja-AN: 290053329
Reply-To: starman@mtco.com
Organization: PDN/Chatlink
Newsgroups:
rec.radio.amateur.equipment,rec.radio.swap,rec.radio.amateur.boatanchors,rec.radio
.amateur.swap,rec.ham-radio

For Sale: Survival radio (aircraft pilot, military) Model ACR-RT-10.
Rugged solid-state design. In very good condition. $45 + Shipping on 2
pounds.

Thanks,

Steve WA9FDZ (ex WB9KEV)

From -974112692666290529
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e1cbe8d9f28d884b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,e1cbe8d9f28d884b,start

X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,e1cbe8d9f28d884b,start
X-Google-Attributes: gidfc8b1,public
From: pierfelice@mci2000.com
Subject: Need TS820 information
Date: 1997/11/17
Message-ID: <879818684.31176@dejanews.com>#1/1
X-Deja-AN: 290318258
X-Http-User-Agent: Mozilla/2.0 (compatible; MSIE 3.0; AK; Windows 95)
X-Originating-IP-Addr: 166.55.35.158 (usr3-dialup30.mix1.WillowSprings.mci.net)
Organization: Deja News Posting Service
X-Authenticated-Sender: pierfelice@mci2000.com
X-Article-Creation-Date: Tue Nov 18 02:04:44 1997 GMT
Newsgroups: rec.radio.amateur.equipment,rec.ham-radio,rec.radio.amateur.boatanchors

Anyone know what it takes to get a TS820 AUX band position to run on 30
meters? Obviously, a crystal and I think some coils are normally missing.
?? Any help would be appreciated. TNX KB8TL pierfelice @ MCI2000 . COM
(remove spaces)

-------------------==== Posted via Deja News ====-----------------------
      http://www.dejanews.com/   Search, Read, Post to Usenet

---

From 2394423670630601776
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a2312c78c40600d,start
X-Google-Attributes: gid10c9e3,public
From: Xyster <xysteram@eskulap.am.lublin.pl>
Subject: AmiNOS + PPP
Date: 1997/11/17
Message-ID: <347108B0.3590@eskulap.am.lublin.pl>#1/1
X-Deja-AN: 291581070
Newsgroups: rec.ham-radio

Hello!
I want to write an article about AmigaNOS and old Amiga A500 + modem
14400.This article is for Polish Amiga Magazyn. I'v got AmigaNOS but I
dont' know how to use NOS with my PPP-provider (TPSA (Poland: +48)
0202122). Have you any help about PPP and NOS and good configured
NOS-dial, NOS.rc, NOS-Startup?

How to use terminal (Ncomm, TeleTerm, Handshake) with PPP? Is it real?

Please if you can help me,
Greets from Sylwester Mielniczuk (Xyster)

Pozdrawiam!
 ****

Xyster's INFO>> http://platon.man.lublin.pl/~xyster *****************
Medical Channel: Chat on Martwica OS: telnet platon.man.lublin.pl 3334

From 2146973367992252849
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6c00e78590a17fc9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,6c00e78590a17fc9,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 114aac,6c00e78590a17fc9,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 1031c8,6c00e78590a17fc9,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1109af,6c00e78590a17fc9,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,6c00e78590a17fc9,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,6c00e78590a17fc9,start
X-Google-Attributes: gid107ada,public
From: "Charles Francer" <francer@gis.net>
Subject: FS: NEW Optoelectronics Xplorer
Date: 1997/11/19
Message-ID: <01bcf489$4ff9d040$437806d1@francer.gis.net>#1/1
X-Deja-AN: 290932718
Sender: @209.6.120.67
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.shortwave,rec.radio.swap

FOR SALE: New Optoelectronics Xplorer with Opto-Case, telescopic whip, Commet CH-32 stubby antenna, ANLI VHF/UHF rubber-duck, serial cable to down-load to computer, Xplorer software, manual and charger/adapter. Never used. $700. Contact Dave <ka1dpw@erols.com>

From 7253333661975408902
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f9ec3004c7bf0c6,start
X-Google-Attributes: gid10c9e3,public
From: Larry Asp <larry.asp@sympatico.ca>
Subject: FS misc crystals
Date: 1997/11/21
Message-ID: <34765411.FE3@sympatico.ca>#1/1
X-Deja-AN: 291628628
X-Complaints-To: usenet@news20.bellglobal.com

X-Trace: news21.bellglobal.com 880170331 25096 (None) 206.172.251.194
Organization: Bell Solutions
Reply-To: larry.asp@sympatico.ca
Newsgroups: rec.ham-radio

Bag of 20 xtals, 2 - 4 mc. range, 1 - 12.455, 2 147mc, 1 29.261mc
$8.00 including shipping.

From -4634051274987887561
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,25d50d4c19cb8182,start
X-Google-Attributes: gid10c9e3,public
From: "TodJK" <todjk@mhtc.net>
Subject: Kachina 505DSP
Date: 1997/11/22
Message-ID: <6587tf$5vq$1@news3.alpha.net>#1/1
X-Deja-AN: 291714293
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
Newsgroups: rec.ham-radio

I'm interested in hearing from any 505DSP owners on their thoughts on this
unit. IS IT JUNK?

From 8472026558234352623
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,beeb4c0fb06c3632,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,beeb4c0fb06c3632,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fc2a5,beeb4c0fb06c3632,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 108122,beeb4c0fb06c3632,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,beeb4c0fb06c3632,start
X-Google-Attributes: gidf76e2,public
From: Randy/DeeDee/Robin <dc@citynet.net>
Subject: tektronics oscilloscope question
Date: 1997/11/22
Message-ID: <3477815D.6937@citynet.net>#1/1
X-Deja-AN: 291732163
Reply-To: dc@city.net.net
Organization: CityNet Corporation
Newsgroups:
rec.radio.amateur.homebrew,rec.radio.amateur.equipment,rec.radio.swap,rec.ham-radio,rec.ham-radio.swap

Anyone know what a tektronics 585a scope is worth? Is this the scope
included in those mail order training programs? Have one for sale
locally and wondering if price is right..reply via email! thanks,
Randy
--
>>To reply, remove the dot between 'city' and 'net'<<

>>Randy- KC8CPK, CRTT, NREMT-P, ICQ 4455106<<
>>Robin- RN, MICU<<
>>DeeDee- CCC,SLP<<

From 7031925013036361936
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e94cfb920822c8f7,start
X-Google-Attributes: gid10c9e3,public
From: David Foster <dfoster@pdq.net>
Subject: more 727 help needed
Date: 1997/11/22
Message-ID: <3477C234.1D9A1248@pdq.net>#1/1
X-Deja-AN: 291776895
Organization: All USENET -- http://www.Supernews.com
Reply-To: dfoster@mail.pdq.net
Newsgroups: rec.ham-radio

I have a Yeasu 727 dual band. Still New in box.
I need a reset code that will do two things at once, change the
radio to wide transmit/treceice (450-470mhz) and change the
channel spacing to 12.5 khz.
The normal wide band code - 110000 will give me wide band but
leaves the channel spacing as 10 and 20 khz.
code 660100 will give me 12.5 splits but leaves me stuck in 70cm.
Any help?

DF

From -8744365222550892734
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,412d844fa7f3e79e,start
X-Google-Attributes: gid10c9e3,public
From: "Kevin E. Gray" <kevingray@edgetechig.com>
Subject: FS Kenwood Stuff
Date: 1997/11/23
Message-ID: <3478329d.0@NEWS.CLOVER.NET>#1/1
X-Deja-AN: 291807381
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3

Newsgroups: rec.ham-radio

For Sale

PS 50 Power Supply Kenwood

MC 85 Microphone

SP 430 speaker

thanks,

Kevin

kevingray@edgetechig.com

From 4342534987456389659
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,91322794c9ee26da,start
X-Google-Attributes: gid10c9e3,public
From: "Kevin E. Gray" <kevingray@edgetechig.com>
Subject: FS Yaesu 900 AT
Date: 1997/11/23
Message-ID: <347832e2.0@NEWS.CLOVER.NET>#1/1
X-Deja-AN: 291807382
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
Newsgroups: rec.ham-radio

Mint condition Yaesu 900 AT with brand new separation kit never used.

Complete package 795 shipped.

kevingray@edgetechig.com

From -1789890229661991667
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a929f7fd1afbf48,start
X-Google-Attributes: gid10c9e3,public
From: ggadwa@cyberhighway.net (Gary Gadwa)
Subject: LDG Electronics???
Date: 1997/11/23
Message-ID: <347898ad.2745810@news.cyberhighway.net>#1/1
X-Deja-AN: 291917094

Organization: CyberHighway Internet Services
Newsgroups: rec.ham-radio

Has anyone built and or used the LDG Electronics Auto Antenna Tuner. Its a interseting kit for QRP and has a 100 watt version. Sure would appreciate hearing from builder or user of the LDG Electronics Auto Tuner. Saw it in QST Jan 96 and now in CQ DEC 97....

GARY GADWA
WA7FSI / NNNOISD

From 5086794204580738010
X-Google-Language: Japanese,JIS
X-Google-Thread: 10c9e3,d822e78b3b197f04,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc1a3,d822e78b3b197f04,start
X-Google-Attributes: gidfc1a3,public
From: sawaken@flab.fujitsu.co.jp(Kensuke Sawada)
Subject: JD1 expedition
Date: 1997/11/24
Message-ID: <s95n2iuzoio.fsf@bulldog.bulldog.flab.fujitsu.co.jp>#1/1
X-Deja-AN: 292098130
Sender: sawaken@bulldog.bulldog.flab.fujitsu.co.jp
Followup-To: fj.rec.ham
Organization: Fujitsu Laboratories Ltd., Kawasaki, Japan.
NNTP-Posting-User: sawaken
Newsgroups: fj.rec.ham,rec.ham-radio

$BBtED(B(JL1GJE)$B$H?=$7$^$9(B.

JR0BQD,$BK\ED;a$,>.3^86IcEg$G(BHF$B$N0\F01?MQ$r9T$$$^$9(B.
CQ WW DX$B%3%s%F%9%H$G$N1?MQ$,Cf?4HJj^9,%3%s%F(B
$B%9%H$NA08e$ODL>o$N1?MQ$b9T$$$^$9(B.$B1?MQ$N35MW$O0J2<$N(B
BH$*$jG9(B.

$B%3!<%k%5%$%s(B: JR0BQD/JD1
$B1?MQ4|4V(B: 11$B7n(B28$BF|Lk!A(B12$B7n(B6$BF|8aA0(B(JST)
$B1?MQ%P%s%I(B: 3.5,(3.8),7,10,14,18,21,24,28MHz
$B1?MQ%b!<%I(B: CW(SSB$B1?MQ$N2DG=@-$b$"$k$=$&G9(B)
$B6uCf@~EENO(B: 50W
QSL$B%+!<%I(B: $B2DG=$J8B$j%S%e!<%m!<7PM3(B

JR0BQD,Mr.HONDA will QRV on HF bands from JD1,
Ogasawara-Chichijima,Japan(Zone 27).Chiefly, he
will operate for the CQ WW DX contest,but before
and after that contest,he will do normal QSO.
Outline of his operation is following.

CALLSIGN: JR0BQD/JD1

DATE: 28th November through 5th December(GMT)
BAND: 3.5,(3.8),7,10,14,18,21,24,28MHz
MODE: CW(some chance for SSB)
POWER: 50W on antenna
CARD: Please send by a BUREAU if you possible.
--
Thanks, K.Sawada/JL1GJE

From -455056067301714326
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,35e45ff3f62252c1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,35e45ff3f62252c1,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fa656,35e45ff3f62252c1,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,35e45ff3f62252c1,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,35e45ff3f62252c1,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,35e45ff3f62252c1,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1109af,35e45ff3f62252c1,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108122,35e45ff3f62252c1,start
X-Google-Attributes: gid108122,public
From: "Charles Francer" <francer@gis.net>
Subject: Power Supply
Date: 1997/11/24
Message-ID: <01bcf87d$59492ea0$cc7d06d1@francer.gis.net>#1/1
X-Deja-AN: 292944256
Sender: @209.6.125.204
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.shortwave,rec.radio.swap

FOR SALE - **MINT** Pyramid Gold Series Regulated Power Supply
 Model Number PS-26K
Individual * Amp And Voltage Meters*
Input: 115 VAC 60 Hz 500W Max. Fuse Protected
Front Panel Positive And Negative Output Leads
Power Switch: Illuminated 15Amp 125VAC
Output: Adjustable 6-15VDC 22 Amp Regulated Low Ripple Output
Overload Protection Devices & Protection With Instant Automatic Reset
Over Temperature Protection With Instant Automatic Reset
Built In Cooling Fan
**Original Box, Instructions, And Schematic
New Condition
***PRICE: $95.00 OBO PLUS SHIPPING. (Shipping Not Negotiable)

```
Charles Francer N1RPD
PLEASE SEND E-MAIL TO: francer@gis.net




From 2017121737639189451
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df81a048835d3bca,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,df81a048835d3bca,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 108122,df81a048835d3bca,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,df81a048835d3bca,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1109af,df81a048835d3bca,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,df81a048835d3bca,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,df81a048835d3bca,start
X-Google-Attributes: gidf76e2,public
From: "Charles Francer" <francer@gis.net>
Subject: Daiwa Meter
Date: 1997/11/24
Message-ID: <01bcf87d$94e705e0$cc7d06d1@francer.gis.net>#1/1
X-Deja-AN: 292944257
Sender: @209.6.125.204
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.sw
ap,rec.radio.shortwave,rec.radio.swap


FOR SALE - Daiwa compact SWR Power Meter Model Number CN-520.
Features aRange 1.8-60MHz. Power 50 ohms - 2kW. Matching Needles on face to
read
Forward and Reflected power and precise SWR.
Price $60 plus a few bucks for shipping.

Thanks for reading my offer

Charles Francer, N1RPD






From 5512887749057097346
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,6c0c3eb921bdcca9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,6c0c3eb921bdcca9,start
```

X-Google-Attributes: gid108122,public
X-Google-Thread: f5341,6c0c3eb921bdcca9,start
X-Google-Attributes: gidf5341,public
X-Google-Thread: 1031c8,6c0c3eb921bdcca9,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,6c0c3eb921bdcca9,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,6c0c3eb921bdcca9,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1009ad,6c0c3eb921bdcca9,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 107ada,6c0c3eb921bdcca9,start
X-Google-Attributes: gid107ada,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: New Yaesu Dealer (special offers)
Date: 1997/11/26
Message-ID: <01bcfab4$80ae5fe0$6be4f3c1@martyn>#1/1
X-Deja-AN: 294038390
Organization: Multicomm 2000
Reply-To: "Martyn" <sales@multicomm.com>
Newsgroups: alt.radio.scanner,alt.radio.scanner.uk,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.scanner,uk.radio.amateur

I am pleased to announce that as of last Wednesday, Multicomm 2000 became an OFFICIAL YAESU DEALER. We will be carrying the whole Yaesu range in stock including accessories.

For those of you who already know my company, we are renowned for offering leading brand names at the very best prices and so for a limited time only, we will be offering the Yaesu FT920 complete with an FM board, SP8 Speaker ,MD100 Mic and a 20amp PSU all for �1499 which should entice you
.

For more details on our other offers please feel free to visit our web site
www.multicomm2000.com where if you have any questions, please do not hesitate to ask us

Best 73's
Martyn Allison
Multicomm 2000

From 7868219702084578414
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8f74a63fe6af1fbf,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,8f74a63fe6af1fbf,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,8f74a63fe6af1fbf,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,8f74a63fe6af1fbf,start

X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,8f74a63fe6af1fbf,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,8f74a63fe6af1fbf,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,8f74a63fe6af1fbf,start
X-Google-Attributes: gid107ada,public
From: "Charles Francer" <francer@gis.net>
Subject: FS New Power Supply
Date: 1997/11/27
Message-ID: <01bcfb4b$b2c05780$2d7806d1@francer.gis.net>#1/1
X-Deja-AN: 293844583
Sender: @209.6.120.45
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

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Model Number PS-26K
Individual * Amp And Voltage Meters*
Input: 115 VAC 60 Hz 500W Max. Fuse Protected
Front Panel Positive And Negative Output Leads
Power Switch: Illuminated 15Amp 125VAC
Output: Adjustable 6-15VDC 22 Amp Regulated Low Ripple Output
FEATURES:
Dual Meters
Overload Protection Devices & Protection With Instant Automatic Reset
Over Temperature Protection With Instant Automatic Reset
Built In Cooling Fan
**Original Box, Instructions, And Schematic
New Condition
***PRICE: $95.00 OBO PLUS SHIPPING. (Shipping Not Negotiable)

Charles Francer N1RPD
PLEASE SEND E-MAIL TO: francer@gis.net

From -1406762236306797485
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,554f78d079f83d6d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,554f78d079f83d6d,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,554f78d079f83d6d,start
X-Google-Attributes: gid1109af,public
From: risd <risd@flash.net>
Subject: WTB - 220 Band Unit For ICOM
Date: 1997/11/28
Message-ID: <347F5E83.4DFA@flash.net>#1/1

X-Deja-AN: 293517987
Reply-To: risd@flash.net
Organization: Flashnet Communications, http://www.flash.net
Newsgroups: rec.radio.swap,rec.ham-radio.swap,rec.ham-radio

Want to buy 220 band unit model UX 39 for Icom 900-901 Series. Please
respond via email if you have a unit you wish to sell or trade. Prefer
to purchase outright, but would trade if possible. Please give price
with response.

73's
joe
--

mailto:risd@flash.net

From 4571333605809709536
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,350c96874996b5c4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,350c96874996b5c4,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,350c96874996b5c4,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1031c8,350c96874996b5c4,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1109af,350c96874996b5c4,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,350c96874996b5c4,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,350c96874996b5c4,start
X-Google-Attributes: gidf76e2,public
From: "Charles Francer" <francer@gis.net>
Subject: FS: Shure Mic & Power Supply Good Price
Date: 1997/11/28
Message-ID: <01bcfb9b$995023c0$077806d1@francer.gis.net>#1/1
X-Deja-AN: 293901221
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,re
c.radio.amateur.swap,rec.radio.swap

FOR SALE: PYRAMID GOLD SERIES POWER SUPPLY - DUAL METERS MODEL PS-26K .
Adjustable Voltage Output - In Box and all docs. 22amps
$95.00 +Shipping or obo

 Quality-SHURE- Prologue Microphone Model 6L-B NEW COND IN BOX WITH
papers. $85.00+Shipped 0r obo
Charles Francer n1rpd

n1rpd@amsat.org

From -3936254980670894181
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,da0c8e29e2a0d1a6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,da0c8e29e2a0d1a6,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1109af,da0c8e29e2a0d1a6,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,da0c8e29e2a0d1a6,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,da0c8e29e2a0d1a6,start
X-Google-Attributes: gidfa656,public
From: "Charles Francer" <francer@gis.net>
Subject: FS DAIWA METER
Date: 1997/11/28
Message-ID: <01bcfb9b$09337080$077806d1@francer.gis.net>#1/1
X-Deja-AN: 293901222
Sender: @209.6.120.7
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.swap

FOR SALE - Daiwa compact SWR Power Meter Model Number CN-520.
Features aRange 1.8-60MHz. Power 50 ohms - 2kW. Matching Needles on face to read
Forward and Reflected power and precise SWR.
Price $60 plus a few bucks for shipping.

Thanks for reading my offer

Charles Francer, N1RPD

From -4228763496552988218
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7d8af8dc00002950,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7d8af8dc00002950,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 108122,7d8af8dc00002950,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,7d8af8dc00002950,start

```
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,7d8af8dc00002950,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,7d8af8dc00002950,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,7d8af8dc00002950,start
X-Google-Attributes: gid1031c8,public
From: "Charles Francer" <francer@gis.net>
Subject: FS: Mint Variable Pwr Suppl/Dual Meters
Date: 1997/11/30
Message-ID: <01bcfd85$c1322d20$237806d1@francer.gis.net>#1/1
X-Deja-AN: 294805414
Sender: @209.6.120.35
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap,re
c.radio.shortwave,rec.radio.swap
```

FOR SALE - New Condition Pyramid Gold Series Regulated Power Supply Model Number PS-26K
Individual Amp And Voltage Meters
Input: 115 VAC 60 Hz 500W Max. Fuse Protected
Front Panel Positive And Negative Output Leads
Power Switch: Illuminated 15Amp 125VAC
Output: Adjustable 6-15VDC 22 Amp Regulated Low Ripple Output
Overload Protection Devices & Protection With Instant Automatic Reset
Over Temperature Protection With Instant Automatic Reset
Built In Cooling Fan
Original Box, Instructions, And Schematic
New Condition
PRICE: $95.00 OBO PLUS SHIPPING. (Shipping Not Negotiable)

Charles Francer N1RPD

```
From 6264249021908569684
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,97bc8e637cc25557,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,97bc8e637cc25557,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1109af,97bc8e637cc25557,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108122,97bc8e637cc25557,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 114aac,97bc8e637cc25557,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fa656,97bc8e637cc25557,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,97bc8e637cc25557,start
```

X-Google-Attributes: gidf76e2,public
From: "Charles Francer" <francer@gis.net>
Subject: FS: Daiwa SWR-Pwr Meter Great Cond.
Date: 1997/11/30
Message-ID: <01bcfd86$2a7b4d20$237806d1@francer.gis.net>#1/1
X-Deja-AN: 294805415
Sender: @209.6.120.35
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.shortwave,rec.radio.swap

FOR SALE - Daiwa compact SWR Power Meter Model Number CN-520.
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read
Forward and Reflected power and precise SWR.
Price $60 plus a few bucks for shipping.

Thanks for reading my offer

Charles Francer, N1RPD

From -4746538745486704654
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,992677dcc623e346,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,992677dcc623e346,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 108122,992677dcc623e346,start
X-Google-Attributes: gid108122,public
From: "Dirk Schuurs" <dschuurs@worldonline.nl>
Subject: TM-733 Cross Band Repeat mode ??
Date: 1997/12/06
Message-ID: <01bd0293$99da23a0$ba86f1c3@none.worldonline>#1/1
X-Deja-AN: 295861817
Organization: World Online
Newsgroups: rec.ham-radio,rec.radio.amateur.equipment,uk.radio.amateur

Hello,

It seems to be possible to operate the TM-733/E in Cross Band Repeat mode.
In the American (733/A) version it's only a software trick and already
installed from factory (altough not documented in the manual.) :

Cross Band Repeating (source N5LJV)

Cross band repeat isn't documented but comes ready from the factory. To enable cross band repeat from the front panel, first select a band by pressing BAND SELECT. Then, change the control to the other band by hitting [CONT SEL]. Next, press [F] for one second, then the "X" button (far right side). Decimals will appear between the Kilohertz digits, and the "ON" indicator will light momentarily. The microphone sequence to enable cross band repeat while in remote control mode is "DC".

The transmitter hang time can be toggled between 500ms to 0ms by turning on the radio with [LOW] pressed. They also recommend enabling the Time-out Timer, for obvious reasons.

Note that the TM-733 can also be used as a "one-way" cross-band repeater. For example, if you can receive a distant repeater with your HT, but have difficulty getting into it, you can use the TM-733 to boost your transmitted signal. To set this up, just omit the part where you "change the control to the other band by pressing [CONT SEL]." Doing this will setup the TM-733 to repeat your signal to the other band, but will not retransmit the distant station back to you. If this sounds ambiguous, play around with it a little

and it will begin to make sense.
(SOURCE: N5LJV)

In the European version of the 733/E we have to make a hardware modification first to get the "X" symbol on the display , and thus to put the rig in Cross Band Repeat mode !

Who can tell me more about this hardware modification ??

tnx es 73 de Dirk, PA3GWL

pa3gwl@amsat.org

```
From 910170948046131812
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43148ea6d945e19,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,43148ea6d945e19,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 108122,43148ea6d945e19,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,43148ea6d945e19,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,43148ea6d945e19,start
X-Google-Attributes: gid107ada,public
```

X-Google-Thread: 1109af,43148ea6d945e19,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,43148ea6d945e19,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,43148ea6d945e19,start
X-Google-Attributes: gid1031c8,public
From: "Charles Francer" <francer@gis.net>
Subject: FS DAIWA Meter CN520 $60
Date: 1997/12/10
Message-ID: <01bd05bb$8d118200$d680dad0@francer.gis.net>#1/1
X-Deja-AN: 298037362
Sender: @208.218.128.214
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.shortwave,rec.radio.swap

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Charles Francer, N1RPD

From -6793369185419785958
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,46371d24cc0bb4ec,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,46371d24cc0bb4ec,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 1031c8,46371d24cc0bb4ec,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 108122,46371d24cc0bb4ec,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,46371d24cc0bb4ec,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,46371d24cc0bb4ec,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1109af,46371d24cc0bb4ec,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,46371d24cc0bb4ec,start
X-Google-Attributes: gid107ada,public
From: "Charles Francer" <francer@gis.net>

Subject: FS Variable Regulated Pwr Supply $99
Date: 1997/12/10
Message-ID: <01bd05bc$1072ee40$d680dad0@francer.gis.net>#1/1
X-Deja-AN: 298037363
Sender: @208.218.128.214
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.shortwave,rec.radio.swap

FOR SALE - New Condition Pyramid Gold Series Regulated Power Supply

Model Number PS-26K
Individual Amp And Voltage Meters
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Front Panel Positive And Negative Output Leads
Power Switch: Illuminated 15Amp 125VAC
Output: Adjustable 6-15VDC 22 Amp Regulated Low Ripple Output
Overload Protection Devices & Protection With Instant Automatic Reset
Over Temperature Protection With Instant Automatic Reset
Built In Cooling Fan
Original Box, Instructions, And Schematic
New Condition
PRICE: $99.00 OBO PLUS SHIPPING. (Shipping Not Negotiable)

Charles Francer N1RPD

From 2623686777576474421
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,854f39d32f44a17c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,854f39d32f44a17c,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 108122,854f39d32f44a17c,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc2a5,854f39d32f44a17c,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fc8b1,854f39d32f44a17c,start
X-Google-Attributes: gidfc8b1,public
From: "pierfelice" <pierfelice@NoToSpam.MCI2000.com>
Subject: ICOM R71A power supply fix
Date: 1997/12/13
Message-ID: <01bd0764$ed2e4b00$LocalHost@default>#1/1
X-Deja-AN: 297713259
NNTP-Posting-Date: Fri, 12 Dec 1997 20:18:22 EST
Newsgroups: rec.ham-radio,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.

homebrew,rec.radio.shortwave

My R71A had power supply trouble as many have had or will. The design of the supply results in poor regulation and AC ripple on the supply output. My solution was replacing the active components with one ECG1954 low dropout 12 Volt 1Amp 3 terminal regulator. The ECG1954 requires but 13 Volts at it's input to function unlike other 3 terminal regulators that require about 16 Volts (such as the 7812). The ECG1954 is a TO220 case as was the original pass transistor Q1. Cost of the ECG1954 was $5.
Basic steps I performed:
1) Remove the regulator unit from the radio.
2) Remove the PC board / transformer from the regulator unit frame.
3) Remove everything on the PC board except
C11,L1,F4,D1,C3,C4,C5,C6,C7,C9,T1
4) Install the ECG1954 where Q1 used to reside. Note that the mica insulator is no longer necessary on the heat sink and can be removed for improved heat transfer.
5) You will have to jumper the input and output pins of the ECG1954 appropriately. Add a jumper from the cold end of the fuse to the ECG1954 input. Jumper from the ground side of C7 to the ECG1954 ground pin and jumper the ECG1954 output to the radio's DC input. I removed J2/P2 from my radio.
6) I also glued a rubber grommet on top of T1 to contact the bottom cover and reduce vibration induced in the cover from T1's field.
7) Put the radio back together.
Note that this fix may not work with other than "bare bones" R71's. Mine does not have the crystal heater, FM, remote or any other option. The radio uses almost 1 amp as is and radios with more options may require a second regulator.
How does it work? Great! Even though the radio was designed to run at 13.6 Volts, mine runs fine at 12. No hum and stable down to 105 Volts line. I also installed an International Radio (WWW.QTH.COM/INRAD) Fox-Tango CW filter at the time of this modification and I am very happy with the filter's performance.
Bob, KB8TL
--
pierfelice@NOTOSPAM.MCI2000.COM
(Discard "NOTOSPAM" to reply)

```
From -3187829689899357023
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7453fd13e7ef3f81,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7453fd13e7ef3f81,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 106d41,7453fd13e7ef3f81,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 1109af,7453fd13e7ef3f81,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 115730,7453fd13e7ef3f81,start
```

```
X-Google-Attributes: gid115730,public
X-Google-Thread: fc2a5,7453fd13e7ef3f81,start
X-Google-Attributes: gidfc2a5,public
From: vantonova@aol.com
Subject: FS: Tek 6-channel storage scope
Date: 1997/12/14
Message-ID: <882071753.585170951@dejanews.com>#1/1
X-Deja-AN: 298028132
X-Http-User-Agent: Mozilla/2.0 (compatible; MSIE 3.02; Update a; AOL 3.0; Windows
95)
X-Originating-IP-Addr: 152.163.205.218 (ww-tc02.proxy.aol.com) proxy [1.0 ww-
tc02.proxy.aol.com:931 (AOL TurboWeb/3.4.4)]
Organization: Deja News Posting Service
X-Authenticated-Sender: vantonova@aol.com
X-Article-Creation-Date: Sun Dec 14 03:55:53 1997 GMT
Newsgroups:
sci.electronics.equipment,rec.radio.cb,rec.radio.swap,rec.radio.amateur.equipment,
rec.radio.amateur.homebrew,rec.ham-radio
```

I have a 5000 series Tektronix scope for sale. It has 6 channels, 2 beams (with independant focus and intensity for each beam), storage and a dual delayed timebase. It's in good condition. I'm asking $400 or offer. Highest reasonable offer takes it.

Alex.

```
-------------------==== Posted via Deja News ====-----------------------
      http://www.dejanews.com/     Search, Read, Post to Usenet
```

```
From -4239718609799897701
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7453fd13e7ef3f81
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7453fd13e7ef3f81
X-Google-Attributes: gid108122,public
X-Google-Thread: 115730,7453fd13e7ef3f81
X-Google-Attributes: gid115730,public
X-Google-Thread: 1109af,7453fd13e7ef3f81
X-Google-Attributes: gid1109af,public
X-Google-Thread: fc2a5,7453fd13e7ef3f81
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 106d41,7453fd13e7ef3f81
X-Google-Attributes: gid106d41,public
From: David <Freimark@mail.com>
Subject: WTB: Allied 2567 CB Radio
Date: 1997/12/14
Message-ID: <670nbp$pnt@newsops.execpc.com>#1/1
X-Deja-AN: 298071933
Content-Transfer-Encoding: 7bit
References: <882071753.585170951@dejanews.com>
```

Mime-Version: 1.0
Reply-To: Freimark@mail.com
Content-Type: text/plain; charset=us-ascii
X-Complaints-To: abuse@execpc.com
X-Trace: daily-planet.newsops.execpc.com 882106553 26365 (None) 169.207.70.96
Organization: Marine Radio W9VI
Newsgroups:
sci.electronics.equipment,rec.radio.cb,rec.radio.swap,rec.radio.amateur.equipment,
rec.radio.amateur.homebrew,rec.ham-radio

I'm looking for an Allied Citizen's band radio model number 2567.
It is a 23 channel crystal-controlled radio. A large dial, loud
relay, and big S-meter are it's features.

Please send a price to the email below. I'm serious about this,
so you are not wasting your time.

--
Dave   freimark@mail.com   www.friemark.com

From -7927160028008523002
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14ff650730cafa9e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,14ff650730cafa9e
X-Google-Attributes: gid114aac,public
X-Google-Thread: 108122,14ff650730cafa9e
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,14ff650730cafa9e
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,14ff650730cafa9e
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,14ff650730cafa9e
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1031c8,14ff650730cafa9e
X-Google-Attributes: gid1031c8,public
From: Tom Lempicke <Tlempick@cetlink.net>
Subject: Re: FS Items For Sale
Date: 1997/12/14
Message-ID: <3493E0F8.389F7F05@cetlink.net>#1/1
X-Deja-AN: 298077519
Content-Transfer-Encoding: 7bit
References: <01bd05bc$c3afa2a0$d680dad0@francer.gis.net>
To: Charles Francer <francer@gis.net>
Content-Type: text/plain; charset=us-ascii
Organization: CETlink.net
Mime-Version: 1.0
Reply-To: tlempick@cetlink.net
Newsgroups: rec.ham-radio,rec.ham-

radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.shortwave

have a very clean Kenwood TS-711A two meter all mode rig with manuals for Sale. Looks like it just came from the factory. Hasn't been used for at least a year since I lost interest in Satellite. $475 shipped UPS ground in the USA.

Tlempick@cetlink.net

--
Tom Lempicke
Country Squire Airport (N43,52.14 -- W81,02.98)
Glastar #5287 - Flying GR8in98

From -5369900602723898329
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7453fd13e7ef3f81
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,7453fd13e7ef3f81
X-Google-Attributes: gid106d41,public
X-Google-Thread: 108122,7453fd13e7ef3f81
X-Google-Attributes: gid108122,public
X-Google-Thread: fc2a5,7453fd13e7ef3f81
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 115730,7453fd13e7ef3f81
X-Google-Attributes: gid115730,public
X-Google-Thread: 1109af,7453fd13e7ef3f81
X-Google-Attributes: gid1109af,public
From: nq9220700-Ostrowski <dwostrowski@lucent.com>
Subject: Re: WTB: Allied 2567 CB Radio
Date: 1997/12/16
Message-ID: <3496C4E8.500F9F30@lucent.com>#1/1
X-Deja-AN: 298769018
Content-Transfer-Encoding: 7bit
References: <882071753.585170951@dejanews.com> <670nbp$pnt@newsops.execpc.com>
Content-Type: text/plain; charset=us-ascii
Organization: JC21B10F0
Mime-Version: 1.0
Newsgroups:
sci.electronics.equipment,rec.radio.cb,rec.radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.ham-radio

David wrote:
>

> I'm looking for an Allied Citizen's band radio model number 2567.
> It is a 23 channel crystal-controlled radio. A large dial, loud
> relay, and big S-meter are it's features.
>
> Please send a price to the email below. I'm serious about this,
> so you are not wasting your time.
>
> --
> Dave   freimark@mail.com   www.friemark.com

David,

Re: 2567 radio

What do you need? I have a few of them stored in my pole barn for
parts....   BTW, the Cobra Cam98 is the same radio.

#12

From 4394217789488591031
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85704284b6e1e45d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,85704284b6e1e45d,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: f5341,85704284b6e1e45d,start
X-Google-Attributes: gidf5341,public
X-Google-Thread: fa656,85704284b6e1e45d,start
X-Google-Attributes: gidfa656,public
From: "Martyn" <martyn@intecc.co.uk>
Subject: Multicomm 2000 Christmas
Date: 1997/12/20
Message-ID: <349c6111.0@norbert.cerbernet.co.uk>#1/1
X-Deja-AN: 308959555
Reply-To: "Martyn" <sales@multicomm.com>
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
Organization: Multicomm 2000
Newsgroups: alt.radio.scanner.uk,rec.ham-radio,rec.radio.amateur,rec.radio.scanner

Just a quick note to inform all of our customers old and new that Multicomm 2000 will be closed for Christmas from the 23rd of Dec until 6th of January.

May I take this opportunity to wish you all a very happy Christmas and a prosperous new year and to thank all of our customers, world wide for their continued support
http://www.multicomm2000.com

Warmest Wishes
Martyn Allison
Multicomm 2000

```
From 2125336052663615464
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5b522d8b4b77e88c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,5b522d8b4b77e88c,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,5b522d8b4b77e88c,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,5b522d8b4b77e88c,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1109af,5b522d8b4b77e88c,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,5b522d8b4b77e88c,start
X-Google-Attributes: gidf76e2,public
From: Al <daclark@lni.net>
Subject: WTD KEN REPAIR FACILITY
Date: 1997/12/21
Message-ID: <349E0A2B.24EA@lni.net>#1/1
X-Deja-AN: 309230297
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Organization: Technology Dimensions Inc. 114 E Elm Ave Monroe,MI 48162
Mime-Version: 1.0
Reply-To: daclark@lni.net
Newsgroups: rec.radio.swap,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc
```

I'm looking for a top notch Kenwood repair tech or facility for my extensively modified tm-742a with distorted 70 cm audio output. Does anyone have any great advice?
tnx & Happy Holidays

```
From -6776965711564091302
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5b522d8b4b77e88c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,5b522d8b4b77e88c
```

```
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,5b522d8b4b77e88c
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,5b522d8b4b77e88c
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,5b522d8b4b77e88c
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,5b522d8b4b77e88c
X-Google-Attributes: gidfa656,public
From: WB9IOG <WB9IOG@REVEALED.NET>
Subject: Re: WTD KEN REPAIR FACILITY
Date: 1997/12/22
Message-ID: <349EA665.1755@REVEALED.NET>#1/1
X-Deja-AN: 309365057
Content-Transfer-Encoding: 7bit
References: <349E0A2B.24EA@lni.net>
Mime-Version: 1.0
Reply-To: WB9IOG@REVEALED.NET
Content-Type: text/plain; charset=us-ascii
Organization: BACK YARD ENGINEERING
Newsgroups: rec.radio.swap,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc


Al wrote:
>
> I'm looking for a top notch Kenwood repair tech or facility for my
> extensively modified tm-742a with distorted 70 cm audio output.  Does
> anyone have any great advice?
> tnx & Happy Holidays
Hi
The extensively modified comment would really bother a pro.
Hoever, suggest you get in touch with AAVID they advertise in
QST Auth KW repair center.
You can e mail to avvid@onramp.net
Mike




From -5488588093722017908
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c92c756b6b43516,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,2c92c756b6b43516,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 107ada,982fda335f40b7fe
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,2c92c756b6b43516,start
X-Google-Attributes: gidfa656,public
From: "DANO" <kimo9@idt.net>
Subject: Re: HAM CLUBS & NG's ALL THE SAME
Date: 1997/12/26
Message-ID: <01bd120e$f0a79ac0$LocalHost@kimo9>#1/1
```

X-Deja-AN: 310365095
References: <01bd120e$1922e000$LocalHost@kimo9>
Organization: IDT
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

as someone making my way into the word of ham radio, i've noticed a common thread betweem the type of people involved in club's,ng's, and even the crowd at hamfest's.

when a conversation is started by a newbie asking a question about anything, the initial question gets lost in the disagreement over a phrase or misquote that some "know - it - all" has to throw in. of course the person, who is asking the the question, gets forgotten about cause the rest of the answer from some person walking by is then debated for the rest of the day.

HMMMM. seems to me that anyone under 55 yrs old is more interested in "knowing more" than the guy next to him, and i find these rocket scientist to be more anoying than helpful.

if everyone was as interested in furthering their "knowledge base" and help the less experienced operators further their's, nobody would have to worry about the loss of ham bands to others.

to prove my point, i ask all of you to scan the postings of this group and see how many legit questions asking for help or opinions on equipment are responded to.

then look at all the general comments and debates posted with their responces.
in one day i saw a ratio of 10:1 in favor of the debates.

IN THE 1960'S JFK SAID " ASK NOT WHAT YOUR COUNTRY CAN DO FOR YOU, ASK WHAT YOU CAN DO FOR YOUR COUNTRY"

i'm 34, never learned that quote from school, but i practice it every day.
anyone else care to give it a try. we just might save ham radio for our children

DAN0

From -4741751930258139303
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c92c756b6b43516
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,2c92c756b6b43516
X-Google-Attributes: gid106d41,public
X-Google-Thread: 107ada,982fda335f40b7fe
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,2c92c756b6b43516
X-Google-Attributes: gidfa656,public

From: Don or Darla Arnold <DArnold@datasync.com>
Subject: Re: HAM CLUBS & NG's ALL THE SAME
Date: 1997/12/26
Message-ID: <34A48EB1.3CD0@datasync.com>#1/1
X-Deja-AN: 310461328
Content-Transfer-Encoding: 7bit
References: <01bd120e$1922e000$LocalHost@kimo9>
<01bd120e$f0a79ac0$LocalHost@kimo9>
To: DANO <kimo9@idt.net>
Content-Type: text/plain; charset=us-ascii
Organization: http://www.freeyellow.com/members2/darnold
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

DANO wrote:
>
> as someone making my way into the word of ham radio, i've noticed a common
> thread betweem the type of people involved in club's,ng's, and even the
> crowd at hamfest's.
>   when a conversation is started by a newbie asking a question about
> anything, the initial question gets lost in the disagreement over a phrase
> or misquote that some "know - it - all" has to throw in. of course the
> person, who is asking the the question, gets forgotten about cause the rest
> of the answer from some person walking by is then debated for the rest of
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> worry about the loss of ham bands to others.
>
>   to prove my point, i ask all of you to scan the postings of this
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> equipment are responded to.
>   then look at all the general comments and debates posted with their
> responces.
> in one day i saw a ratio of 10:1 in favor of the debates.
>
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> WHAT YOU CAN DO FOR YOUR COUNTRY"
>
> i'm 34, never learned that quote from school, but i practice it every day.
> anyone else care to give it a try. we just might save ham radio for our
> children
>
>   DAN0

GOOD POINT

don
kb5fhx

```
nci-1087
http://www.datasync.com/skywarn



From -683523735040148831
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c51681b7776e16b4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,c51681b7776e16b4,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1109af,c51681b7776e16b4,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 114aac,c51681b7776e16b4,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,c51681b7776e16b4,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 108122,c51681b7776e16b4,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,c51681b7776e16b4,start
X-Google-Attributes: gid1031c8,public
From: "Charles Francer" <francer@gis.net>
Subject: For Sale - Dual Meter Pwr Supply $99
Date: 1997/12/27
Message-ID: <01bd12d8$63d548c0$d480dad0@francer.gis.net>#1/1
X-Deja-AN: 310879717
Sender: @208.218.128.212
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.sw
ap,rec.radio.shortwave,rec.radio.swap


New Condition Pyramid Gold Series Regulated Power Supply - INBox
Model Number PS-26K
Individual Amp And Voltage Meters
Input: 115 VAC 60 Hz  500W Max. Fuse Protected
Front Panel Positive And Negative Output Leads
Power Switch: Illuminated 15Amp 125VAC
Output: Adjustable 6-15VDC 22 Amp Regulated Low Ripple Output
Overload Protection Devices & Protection With Instant Automatic Reset
Over Temperature Protection With Instant Automatic Reset
Built In Cooling Fan
Original Box, Instructions, And Schematic
New Condition - All Papers
PRICE: $99.00  PLUS SHIPPING. (Shipping Not Negotiable)

Charles Francer N1RPD
francer@gis.net



From -4362043674763026356
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31c4e990004aeaea,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,31c4e990004aeaea,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fa656,31c4e990004aeaea,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,31c4e990004aeaea,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: 108778,31c4e990004aeaea,start
X-Google-Attributes: gid108778,public
From: Rolf Moberg <rmoberg@mail.student.oulu.fi>
Subject: IOTA EU-126
Date: 1997/12/28
Message-ID: <Pine.SGI.3.95.971228163447.2108A-100000@paju.oulu.fi>#1/1
X-Deja-AN: 310767682
X-Sender: rmoberg@paju.oulu.fi
Content-Type: TEXT/PLAIN; charset=US-ASCII
Organization: University of Oulu
Mime-Version: 1.0
Newsgroups:
rec.radio.amateur,uk.radio.amateur,rec.radio.amateur.dx,alt.radio.amateur,rec.ham-radio

OH8TA will activate Hailuoto island EU-126 in 6-8 February 1998. Working begins about 1600 UTC in Friday and lasts to Sunday afternoon.

We concentrate on 20m activity (SSB / CW) but work other HF/VHF/UHF bands as well. RTTY / AMTOR are possible modes too.

QSL via buro is preferred.

Team consists about 10 operators. Main antenna is ex-MF/HF marine vertical, about 20 m long. It's situated in sea shore. Linear amplifier is used in 20m / 160 m operation. If you have any questions/schedule asks don't hesitate to mail

We were working in same place in last August. Chechk www-pages (containing a lot of pictures with Finnish texts)

http://www.student.oulu.fi/~rmoberg/haihami97.html
http://stekt.oulu.fi/~jt/work.jpg

Rolf Moberg oh6kxl@sral.fi

From 3481973192667918691
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,308584e7ee36afcb
X-Google-Attributes: gid1091c5,public

X-Google-Thread: 10c9e3,308584e7ee36afcb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,308584e7ee36afcb
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb049,308584e7ee36afcb
X-Google-Attributes: gidfb049,public
X-Google-Thread: 106d41,308584e7ee36afcb
X-Google-Attributes: gid106d41,public
X-Google-Thread: 107ada,308584e7ee36afcb
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,308584e7ee36afcb
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 108778,308584e7ee36afcb
X-Google-Attributes: gid108778,public
From: slime@radiotelephone.net.ham (Mr. Slime)
Subject: Re: radio shacks 2-meter rigs
Date: 1997/12/28
Message-ID: <34a6d0d1.921308@news.total.net>#1/1
X-Deja-AN: 310849830
References: <01bd13ac$f1425200$081871ce@default>
Organization: Slime
Reply-To: slime@radiotelephone.net.ham
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

On 28 Dec 1997 21:20:54 GMT, "DANO" <kimo9@idt.net> wrote:

>anyone had experience with rs mobile 2-meter rig. what did yiu think. can
>it be converted for any goodies? is it worth the money they're asking? any
>suggestions for something in the same price range.
>   DANO

I use RS HTX-242.   Default: Low 10W, High 45W.   RX 137-174, TX 142.5-149.5.

It's working excellent.

I find that this radio is quite tough and this includes the microphone.

Mr. Slime AKA M@S@
Student @ McGill University Science
Montreal, Quebec, Canada
E-mail   : slime@radiotelephone.net.ham
URL : http://www.radiotelephone.net   (General)
       http://www.radiotelephone.net/amateur/   (Radio)

http://www.geocities.com/~masataka/mcgill.htm (McGill University)

Remove ".ham" to reply.

WARNING: I will not buy/response any products from unsolicited e-mails !!

From -267305847042210281
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,308584e7ee36afcb
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,308584e7ee36afcb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,308584e7ee36afcb
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10ed5f,308584e7ee36afcb
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 106d41,308584e7ee36afcb
X-Google-Attributes: gid106d41,public
X-Google-Thread: 107ada,308584e7ee36afcb
X-Google-Attributes: gid107ada,public
X-Google-Thread: fb049,308584e7ee36afcb
X-Google-Attributes: gidfb049,public
X-Google-Thread: 108778,308584e7ee36afcb
X-Google-Attributes: gid108778,public
From: Tim Hynde <hynde@flash.net>
Subject: Re: radio shacks 2-meter rigs
Date: 1997/12/28
Message-ID: <34A70109.DA2D5249@flash.net>#1/1
X-Deja-AN: 310922075
Content-Transfer-Encoding: 7bit
References: <01bd13ac$f1425200$081871ce@default>
<687116$1mt@bgtnsc03.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Organization: Flashnet Communications, http://www.flash.net
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-uhf,alt.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb

Gregg.E wrote:

> Supposedly Made By Kenwood   (KD5BAY)
>
> DANO <kimo9@idt.net> wrote in article
> <01bd13ac$f1425200$081871ce@default>...
> > anyone had experience with rs mobile 2-meter rig. what did yiu think. can
> > it be converted for any goodies? is it worth the money they're asking?

> any
> > suggestions for something in the same price range.
>

Kenwood has a new model in the 50 watt range for $235... So says my friend who's been shopping for one.

Tim

From -7010662428004983587
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e33eaba2f68057ac,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,e33eaba2f68057ac,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 108122,e33eaba2f68057ac,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,e33eaba2f68057ac,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1031c8,e33eaba2f68057ac,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,e33eaba2f68057ac,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,e33eaba2f68057ac,start
X-Google-Attributes: gidf76e2,public
From: "Charles Francer" <francer@gis.net>
Subject: SALE - List
Date: 1997/12/28
Message-ID: <01bd12da$03cd5240$d480dad0@francer.gis.net>#1/1
X-Deja-AN: 311286286
Sender: @208.218.128.215
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.shortwave

FOR SALE: PYRAMID GOLD SERIES POWER SUPPLY - DUAL METERS MODEL PS-26K .
Adjustable Voltage Output - In Box and all docs. 22amps
$99.00 +Shipping or obo

Quality-SHURE- Prologue Microphone Model 6L-B NEW COND IN BOX WITH. Used for 2 months
papers. $XX.xx Best Offer + ship
Charles Francer n1rpd
n1rpd@amsat.org

```
From 6611848821164751425
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,308584e7ee36afcb
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,308584e7ee36afcb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108778,308584e7ee36afcb
X-Google-Attributes: gid108778,public
X-Google-Thread: 106d41,308584e7ee36afcb
X-Google-Attributes: gid106d41,public
X-Google-Thread: 107ada,308584e7ee36afcb
X-Google-Attributes: gid107ada,public
X-Google-Thread: fb049,308584e7ee36afcb
X-Google-Attributes: gidfb049,public
X-Google-Thread: 10ed5f,308584e7ee36afcb
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,308584e7ee36afcb
X-Google-Attributes: gidfa656,public
From: "Gregg.E" <Gregg.E@worldnet.att.net>
Subject: Re: radio shacks 2-meter rigs
Date: 1997/12/29
Message-ID: <687116$1mt@bgtnsc03.worldnet.att.net>#1/1
X-Deja-AN: 310894336
References: <01bd13ac$f1425200$081871ce@default>
Organization: AT&T WorldNet Services
Newsgroups: alt.ham-radio,alt.ham-radio.fm,alt.ham-radio.vhf-
uhf,alt.radio.amateur,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.cb


Supposedly Made By Kenwood      (KD5BAY)

DANO <kimo9@idt.net> wrote in article
<01bd13ac$f1425200$081871ce@default>...
> anyone had experience with rs mobile 2-meter rig. what did yiu think. can
> it be converted for any goodies?  is it worth the money they're asking?
any
> suggestions for something in the same price range.
>     DANO
>



From -200547573753175911
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,2172061e14ee48b3,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,2172061e14ee48b3,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-Thread: fc8b1,2172061e14ee48b3,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 108122,2172061e14ee48b3,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,2172061e14ee48b3,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114aac,2172061e14ee48b3,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 1031c8,2172061e14ee48b3,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 10c2ee,2172061e14ee48b3,start
X-Google-Attributes: gid10c2ee,public
From: Mike Gilbert <jng@mediaone.net>
Subject: FS: Antique Hallicrafters SX-28 "Super Skyrider"
Date: 1997/09/21
Message-ID: <3425E714.67CE0171@mediaone.net>#1/1
X-Deja-AN: 274426452
X-Priority: 3 (Normal)
Reply-To: jng@mediaone.net
To: jng@mediaone.net
Organization: MediaOne -=- Northeast Region
Newsgroups: alt.ham-radio.marketplace,rec.antiques.radio+phono,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.shortwave

This is a multi-part message in MIME format.
--------------4B00553D80C00A6EBFA89984
Content-Type: text/plain; charset=us-ascii
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I inherited an antique Hallicrafters SX-28 "Super Skyrider" receiver. Not being a ham, I realize that I'll never use it for anything, so I've finally decided to try to find it a good home.

For the uninitiated, the SX-28 is an antique shortwave receiver with enough dials on the front to run a nuclear power plant singlehandedly, and its construction is sturdy enough to do a tank proud.

I don't know exactly how old it is, but the manual (which includes full schematics), is dated November 1, 1943. The front cover says "frequency range - .55 to 43 megacycles."

Part of the tuning knob is broken off, but the unit seems otherwise to be in excellent condition. All the dial/knob captions are like new, the glass in front of the dials is intact, and the whole case is in prime shape. My uncle must have really taken care of it; If you didn't know, you'd never guess how old it is just by looking.

I don't really know how to use an SX-28, but when I plugged it in, I heard shortwave stations, even without an antenna attached. So it looks like the electronics is all functioning.

It comes with the original manual, and the original separate speaker
and speaker cord (the speaker cord is thicker than the power cord!).

This receiver is obviously obsolete by today's standards, but it may
provide hours of fascination for the right hobbyist.

I've attached a .GIF image from my Quickcam, so you can take
a fuzzy look at it for yourself. The speaker is visible sitting on
top of the receiver.

I'm looking for $300 plus insurance and shipping from the Boston
area, but I'll listen to any reasonable offer. And you have to
promise to give it a good home :-).

Regards,
Mike Gilbert

--------------4B00553D80C00A6EBFA89984
Content-Type: image/gif; name="sx28.gif"
Content-Transfer-Encoding: base64
Content-Disposition: inline; filename="sx28.gif"

<encoded_portion_removed>
guplU6fUSnpMgzW74EeKUZHeVCpIRn6hjWHqW84uAgIAOw==
--------------4B00553D80C00A6EBFA89984--

From -3998119953305314362
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2d69e5aa6209de35,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,2d69e5aa6209de35,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,2d69e5aa6209de35,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,2d69e5aa6209de35,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc8b1,2d69e5aa6209de35,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fc2a5,2d69e5aa6209de35,start
X-Google-Attributes: gidfc2a5,public
From: "Toolman" <poustie@concentric.net>
Subject: Heathkit Tubetester Help
Date: 1997/09/22
Message-ID: <01bcc70c$3fad7ac0$2fd2adce@user>#1/1
X-Deja-AN: 274446185
Organization: Concentric Internet Services

Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

I have a Heathkit tubetester model 17-21 in not working condition. I am
seeking schematics, user and/or service manual, to put it into workable
condition. Any help greatly appreciated. Will gladly send sase or ?
As I understand there are many close cousins of this small portable tester,
I would welcome even similar model's info. Best Regards to all.......

Tim Poustie
VE7TBP
poustie@concentric.net

From -1538843823068074700
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,13949e19a3c4d3e6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10f32b,13949e19a3c4d3e6,start
X-Google-Attributes: gid10f32b,public
X-Google-Thread: 1009ad,13949e19a3c4d3e6,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa656,13949e19a3c4d3e6,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,13949e19a3c4d3e6,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa029,13949e19a3c4d3e6,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 14d8c1,13949e19a3c4d3e6,start
X-Google-Attributes: gid14d8c1,public
X-Google-Thread: f5341,13949e19a3c4d3e6,start
X-Google-Attributes: gidf5341,public
From: Don Crozier <ka9qjg@tsrcom.com>
Subject: MDT.1
Date: 1997/09/22
Message-ID: <3425FB70.66D5@tsrcom.com>#1/1
X-Deja-AN: 274556946
Newsgroups: rec.radio.scanner,rec.radio.amateur.homebrew,rec.ham-radio,rec.radio.amateur,alt.radio.digital,alt.radio.scanner,alt.radio.scanner.uk,alt.radio.internetrec.radio.info

This is a multi-part message in MIME format.

--------------629448F73781
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all from Don KA9QJG yes I know I Forgot the ATTACHMENT

```
                                        SORRY ENJOY
                                        DON KA9QJG

--------------629448F73781
Content-Type: application/octet-stream; name="Mdt.exe"
Content-Transfer-Encoding: base64
Content-Disposition: attachment; filename="Mdt.exe"

<encoded_portion_removed>
YnVmZmVyAGN1cnAAaXN0ZW1wAHRva2VuAA==
--------------629448F73781--
```

```
From -4133614104109137344
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,13949e19a3c4d3e6
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5341,13949e19a3c4d3e6
X-Google-Attributes: gidf5341,public
X-Google-Thread: fc2a5,13949e19a3c4d3e6
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,13949e19a3c4d3e6
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10f32b,13949e19a3c4d3e6
X-Google-Attributes: gid10f32b,public
X-Google-Thread: 14d8c1,13949e19a3c4d3e6
X-Google-Attributes: gid14d8c1,public
X-Google-Thread: fa029,13949e19a3c4d3e6
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1009ad,13949e19a3c4d3e6
X-Google-Attributes: gid1009ad,public
From: briang@bgserv.demon.co.uk (Brian Gaff)
Subject: Re: MDT.1
Date: 1997/09/23
Message-ID: <874989771snz@bgserv.demon.co.uk>#1/1
X-Deja-AN: 274727985
References: <3425FB70.66D5@tsrcom.com>
X-Mail2News-User: briang@bgserv.demon.co.uk
X-Mail2News-Path: bgserv.demon.co.uk
Organization: bgserv
Reply-To: briang@bgserv.demon.co.uk
Newsgroups: rec.radio.scanner,rec.radio.amateur.homebrew,rec.ham-
radio,rec.radio.amateur,alt.radio.digital,alt.radio.scanner,alt.radio.scanner.uk,a
lt.radio.internetrec.radio.info
```

A pratt who posts binaries. Roast him alive! :-)

Brian

--
briang@bgserv.demon.co.uk
Brian Gaff AKA B G Services - Still supporting Z80
The Spectrum Emulator

From -4221982160730293851
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,33b711ebd20a32
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10f32b,33b711ebd20a32
X-Google-Attributes: gid10f32b,public
X-Google-Thread: fe08a,33b711ebd20a32
X-Google-Attributes: gidfe08a,public
X-Google-Thread: 1009ad,33b711ebd20a32
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,33b711ebd20a32
X-Google-Attributes: gidfa029,public
X-Google-Thread: fc2a5,33b711ebd20a32
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f5341,33b711ebd20a32
X-Google-Attributes: gidf5341,public
From: briang@bgserv.demon.co.uk (Brian Gaff)
Subject: Re: MDT
Date: 1997/09/23
Message-ID: <874990167snz@bgserv.demon.co.uk>#1/1
X-Deja-AN: 274728002
References: <3425F935.4EDE@tsrcom.com>
X-Mail2News-User: briang@bgserv.demon.co.uk
X-Mail2News-Path: bgserv.demon.co.uk
Organization: bgserv
Reply-To: briang@bgserv.demon.co.uk
Newsgroups: rec.radio.scanner,rec.radio.amateur.homebrew,rec.ham-radio,alt.radio.digital,alt.radio.scanner,alt.radio.scanner.uk,alt.radio.internet

In article <3425F935.4EDE@tsrcom.com> ka9qjg@tsrcom.com "Don Crozier" writes:

>
> Hi From Don, KA9QJG Here is a little better copy of the orignal MDT, we
> still need to share info and get it better let me know if it works for
> you ??E-MAIL KA9QJG@TSRCOM.COM We also need to know what the legality of
> monitoring this type of communications??Its not in the CELL portion of
> the band,Its not SCRAMBLED or ENCRYPTED but Clear ASCI TEXT 4800 BAUD
> like Ham Radio pkt
> HAPPY SCANNING TO ALL AND ENJOY
>

Send files to an ftp or web site and post the address.

A It lasts longer there than here

B It wastes space on servers all over the world

C It causes those with slow modems to spend time getting useless crap.

D it makes others think they can do it, which is NOT good!

E It can get groups dropped by sites who do not take binary groups.

Brian

--
briang@bgserv.demon.co.uk
Brian Gaff AKA B G Services - Still supporting Z80
The Spectrum Emulator

From -1785619664890870621
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,37456dcc24f80784,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,37456dcc24f80784,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fbe9a,37456dcc24f80784,start
X-Google-Attributes: gidfbe9a,public
X-Google-Thread: 110391,37456dcc24f80784,start
X-Google-Attributes: gid110391,public
X-Google-Thread: 114a57,37456dcc24f80784,start
X-Google-Attributes: gid114a57,public
From: Wiesmann <wiesmann@iap.unibe.ch>
Subject: RADIO SCOUTING SWITZERLAND AWARD
Date: 1997/09/24
Message-ID: <3428D796.17CB@xiap.unibe.ch>#1/1
X-Deja-AN: 275092234
Reply-To: wiesmann@iap.unibe.ch
Newsgroups: alt.ham-radio.hf,alt.scouting,rec.scouting.misc,rec.radio.amateur,rec.ham-radio

Radio Scouting Switzerland Award
(interesting to work during the JOTA 18/19th Oct)

The working group "Radio Scouting Switzerland" of the Swiss Scout and Guide Movement (HB9JAM) announces the Radio Scouting Switzerland Award. The award shall stimulate the contact between Swiss and worldwide Scouts and Guides. The rules concerning the Radio Scouting Switzerland Award are:

For each band and transmission mode, a contact after 1.1.1997 with a

Swiss
� Scout or Guide scores 1 Point
� Scout or Guide radio station scores 3 Points
� association station (HB9JAM or HB4JAM) scores 5 Points.

There is no limitation in band or mode. Contacts via relay stations don�t count for this award.

For the award the following points are needed:
� DX Stations 7 Points
� EU Stations 10 Points

To order the diploma send a log, signed by a scout or a guide, and 10 SFr/ 10 US$ or 8 IRC to the Pfadibewegung Schweiz, JOTA, Speichergasse 31, Postfach, CH-3000 Bern 7, Switzerland.

!!for questions please remove the x in the E-Mail reply address!!

From -7472304719280863073
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,33b711ebd20a32
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5341,33b711ebd20a32
X-Google-Attributes: gidf5341,public
X-Google-Thread: fa029,33b711ebd20a32
X-Google-Attributes: gidfa029,public
X-Google-Thread: fe08a,33b711ebd20a32
X-Google-Attributes: gidfe08a,public
X-Google-Thread: 10f32b,33b711ebd20a32
X-Google-Attributes: gid10f32b,public
X-Google-Thread: fc2a5,33b711ebd20a32
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 1009ad,33b711ebd20a32
X-Google-Attributes: gid1009ad,public
From: "CA11739@aol.com" <CA11739@iname.com>
Subject: Re: MDT
Date: 1997/09/24
Message-ID: <34296DD8.6CE6@iname.com>#1/1
X-Deja-AN: 275368850
References: <3425F935.4EDE@tsrcom.com> <874990167snz@bgserv.demon.co.uk>
Organization: America Online
Reply-To: CA11739@aol.com
Newsgroups: rec.radio.scanner,rec.radio.amateur.homebrew,rec.ham-radio,alt.radio.digital,alt.radio.scanner,alt.radio.scanner.uk,alt.radio.internet

Brian Gaff wrote:
>
> In article <3425F935.4EDE@tsrcom.com> ka9qjg@tsrcom.com "Don Crozier" writes:
>

```
> >
> > Hi From Don, KA9QJG Here is a little better copy of the orignal MDT, we
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>
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> A It lasts longer there than here
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> B It wastes space on servers all over the world
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> C It causes those with slow modems to spend time getting useless crap.
>
> D it makes others think they can do it, which is NOT good!
>
> E It can get groups dropped by sites who do not take binary
>   groups.
>
> Brian
>
> --
> briang@bgserv.demon.co.uk
> Brian Gaff AKA B G Services - Still supporting Z80
>                               The Spectrum Emulator

CA11739@aol.com



From -9084157352884853073
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,952c32aa953c9c0b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,952c32aa953c9c0b,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 107ada,952c32aa953c9c0b,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,952c32aa953c9c0b,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fa029,952c32aa953c9c0b,start
X-Google-Attributes: gidfa029,public
From: Richard Smerker <rsmerker@steaksandwich.com>
Subject: WinTone 2.02 DTMF Decoder is now available!
Date: 1997/09/24
Message-ID: <3429F3CE.5B9FDEFB@steaksandwich.com>#1/1
X-Deja-AN: 275651607
X-Priority: 3 (Normal)
Organization: Steak Sandwich Software
```

Reply-To: rsmerker@steaksandwich.com
Newsgroups:
alt.radio.scanner,rec.radio.scanner,rec.radio.amateur,rec.radio.amateur.misc,rec.ham-radio

The 2.02 version of the WinTone DTMF Decoder is now
available. It fixes the problem with the constant Error 103
and also make tone decoding twice as accurate. Check
it out at http://www.steaksandwich.com.

From -4770759625027474821
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2b504f85ff0e05b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,e2b504f85ff0e05b,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fddbf,e2b504f85ff0e05b,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 107ada,e2b504f85ff0e05b,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f4306,e2b504f85ff0e05b,start
X-Google-Attributes: gidf4306,public
X-Google-Thread: fa656,e2b504f85ff0e05b,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,e2b504f85ff0e05b,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,e2b504f85ff0e05b,start
X-Google-Attributes: gidf76e2,public
From: "Peter Gorman" <peter.gorman@dial.pipex.com>
Subject: Needed parts for FT290R (Mk1)
Date: 1997/09/25
Message-ID: <01bcc9f8$edb27820$46f482c1@default>#1/1
X-Deja-AN: 275542324
X-Complaints-To: news@plug.news.pipex.net
X-Trace: plug.news.pipex.net 875223423 9596 (None) 193.130.248.121
Organization: UUNET
Newsgroups: alt.ham-radio.packet,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap

Need the following aprts for the original FT290R :

1. Black plastic slider that secures the battery cover
2. Mobile mount

Any sources available for purchase in UK please drop me an email
Thanks Peter.....(G1FXE)
Peter.gorman@dial.pipex.com

From 1795581554184471434
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e636f8472f63aef5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,e636f8472f63aef5,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 115af6,e636f8472f63aef5,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 1009ad,e636f8472f63aef5,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fcc6e,e636f8472f63aef5,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 1109af,e636f8472f63aef5,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,e636f8472f63aef5,start
X-Google-Attributes: gidf76e2,public
From: mrymer@peganet.com (BigMike)
Subject: 55', Three Section Crank Up Tower- Heavy Duty Galvanized, SW Florida
Date: 1997/09/27
Message-ID: <342c7084.45200374@news.peganet.net>#1/1
X-Deja-AN: 275878776
Organization: Pegasus Software & Imaging
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.amateur.antenna,rec.radio.cb,rec.radio.swap

55 Foot, 3 Section Heavy Duty Galvanized Crank-Up Antenna Tower.
Cable fairly new but pulleys probably need replacing. Minor surface
rust only at base. Purchased used last year but never put up. Tower
is located in Cape Coral Florida which is on the SW Coast. This tower
is approx 24' long in it's down position and weighs about 250-300
pounds. First $150.00 CASHtakes it away. Don't miss this one.
Please e-mail me with any questions you might have about this tower.

mrymer@peganet.com

Thanks,
Mike

From 4290792181580695538
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,68a853adf7a564ac
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,68a853adf7a564ac
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,68a853adf7a564ac
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,68a853adf7a564ac

```
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,68a853adf7a564ac
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1109af,68a853adf7a564ac
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,68a853adf7a564ac
X-Google-Attributes: gid1031c8,public
From: EA@worldnet.att.net (EA)
Subject: Re: FS:DRAKE SW-8 Receiver - MINT Cond.
Date: 1997/09/27
Message-ID: <60hsj9$kat@bgtnsc02.worldnet.att.net>#1/1
X-Deja-AN: 275930729
References: <01bcbd77$0277e120$cd80dad0@default>
Organization: AT&T WorldNet Services
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,re
c.radio.amateur.swap,rec.radio.swap


On 9 Sep 1997 23:23:44 GMT, "Charles Francer" <francer@gis.net> wrote:

>THIS MESSAGE POSTED FOR KA1DPW - RESPOND TO HIM BY E-MAIL: KA1DPW@EROLS.COM
>
>  For Sale: Drake SW-8 porta-top shortwave receiver in new condition. Comes
>with  AC adapter and manual. Also works on "D" cells. Covers all of HF plus
>VHF Air and FM band in sterio. Has 3 selectable bandwidths, selectable
>sidebands, synch detector.
>  Barely had time to use. $600 plus shipping. <ka1dpw@erols.com>
>
>
Now that the new Drake R8B super receiver is out and it has a five
star rating from Passbook to Worldband Radio, you will see a lot of
older Drake R8's for sale.   Price will only go Down.




From -6221832691463062010
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6717eba54f3f2e71,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,6717eba54f3f2e71,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,6717eba54f3f2e71,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,6717eba54f3f2e71,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc2a5,6717eba54f3f2e71,start
X-Google-Attributes: gidfc2a5,public
From: "mike enc" <mikel@tir.com>
Subject: 440 ht to trade
Date: 1997/09/27
Message-ID: <01bccb59$8e244200$c555dacd@mikel.tir.com>#1/1
X-Deja-AN: 276011363
```

Organization: The Internet Ramp
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

I have a HTX-404 440 ht almost new only used a couple of times......
I want to trade e-mail me and tell me what you've got....you mite be
suprised what I will trade it for.......thanks de kb8enc
mikel@tir.com

From 8807933237100188135
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,defdc35fd1394d09,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,defdc35fd1394d09,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,defdc35fd1394d09,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,defdc35fd1394d09,start
X-Google-Attributes: gidfcc6e,public
From: jsollows@bigfoot.com (Jim Sollows)
Subject: Hy-Gain DX88 Radials or Not??
Date: 1997/09/29
Message-ID: <60pf30$8ka@mtts01.Teleglobe.net>#1/1
X-Deja-AN: 276540989
Organization: Teleglobe - Globeinternet
Reply-To: jsollows@bigfoot.com
Newsgroups:
rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.ham-radio

I just obtained a Hy-Gain DX88 10-80m vertical antenna at a local swap
meet and am getting conflicting information about this antenna. I have
been told that radials are not needed if it is mounted higher than 25
feet. I have also been told that radials are required. I plan on
mounting this antenna on a chimney mount at about 35 feet. Perhaps
someone who is familiar with this antenna can clear this up for me.
Please e-mail me at jsollows@bigfoot.com. Thanks for your help.

73 de VE7JLS Jim
jsollows@bigfoot.com

From 7502904054912989853

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,defdc35fd1394d09
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,defdc35fd1394d09
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,defdc35fd1394d09
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,defdc35fd1394d09
X-Google-Attributes: gidfcc6e,public
From: Phil Wheeler <w7ox@ix.netcom.com>
Subject: Re: Hy-Gain DX88 Radials or Not??
Date: 1997/09/29
Message-ID: <343060EC.EC1B2F09@ix.netcom.com>#1/1
X-Deja-AN: 276574125
References: <60pf30$8ka@mtts01.Teleglobe.net>
Reply-To: w7ox@ix.netcom.com
To: jsollows@bigfoot.com
Organization: Poor
X-NETCOM-Date: Mon Sep 29 7:16:52 PM PDT 1997
Newsgroups:
rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.ham-radio

Call Hy-Gain!

I believe it does need radials. The only non-radial Hy-Gain is the DX-77; but then it does not cover 80/75.

Phil

From 7296413197391312493
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10f8b0fa6618cb73,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,10f8b0fa6618cb73,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 10ed5f,10f8b0fa6618cb73,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,10f8b0fa6618cb73,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: fcc6e,10f8b0fa6618cb73,start
X-Google-Attributes: gidfcc6e,public
From: "chRISTOpher" <_NO-SPAM_rumcd@open.org>
Subject: Avanti 5/8 manual needed
Date: 1997/10/01
Message-ID: <01bcce0f$1c45d0a0$356802c7@c---g-s-pc>#1/1
X-Deja-AN: 276949767
Organization: http://www.open.org/rumcd
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.amateur.antenna,rec.radio.cb

Hello all!

I am seeking a copy of the Avanti 5/8 ground-plane manual or assembly diagram.

I have an old one that is in need of repair and maybe missing some pieces.

Any help would be great! Thanks in advance :-)

kd6fib
-chRISTOpher
rumcd@open.org
http://www.open.org/rumcd/surnames.htm

From 1749278133062927170
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ea1125fe0fc84bd5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,ea1125fe0fc84bd5,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,ea1125fe0fc84bd5,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,ea1125fe0fc84bd5,start
X-Google-Attributes: gidfa656,public
From: Randy/DeeDee/Robin <dc@citynet.net>
Subject: 220 gear fs
Date: 1997/10/01
Message-ID: <3432D57C.4D42@citynet.net>#1/1
X-Deja-AN: 277157913
Organization: CityNet Corporation
Reply-To: nospam!dc@citynet.net
Newsgroups: rec.radio.amateur.equipment,rec.radio.swap,rec.ham-radio,rec.radio.amateur

Well, it's official, both kenwood 3530's must go. asking $175/uship for the pair. Price has been lowered upon inspection, as one radio will need some work. BOTH RADIOS FUNCTION PROPERLY. info:
-excellent radio: first one has all buttons/lamps intact, with some case scratches, and normal mobile wear for a rig of it's age. factory mic, only oddball is someone added taller rubber feet. power cord cut rather short. good radio with a little cleanup.
-needs work: this one has been through the wringer on appearance, as the case has been painted black (decent paintjob..), has 3,4 dings, lcd lamps burnt out, needs power cord grommet, has wrong tuning knob and is missing the f.lock key altogether, and has some sloppy repair to bottom board, BUT it works really well and might make good repeater stock. no ctcss on either unit as far as I can tell. email if interested, as this seems to me to be a good deal on a couple good radios. thanks for your

time,
Randy
--
>>Remove the nospam! from return email to reply.<<

From -1575238737347843269
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88446b789fa52b79,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 12d64a,88446b789fa52b79,start
X-Google-Attributes: gid12d64a,public
X-Google-Thread: fa656,88446b789fa52b79,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 106310,88446b789fa52b79,start
X-Google-Attributes: gid106310,public
X-Google-Thread: 1109af,88446b789fa52b79,start
X-Google-Attributes: gid1109af,public
From: "Michael D. Ryan" <kb4cvl@erols.com>
Subject: FS**Ham Home**
Date: 1997/10/03
Message-ID: <3434F40C.651A@erols.com>#1/1
X-Deja-AN: 277605624
Organization: Mortgage Capital
X-Received-On: 3 Oct 1997 13:27:33 GMT
Reply-To: kb4cvl@erols.com
Newsgroups: rec.radio.swap,rec.radio.antenna,dc.forsale.misc,rec.ham-radio,rec.radio.amateur

Due to a likely relocation out of Northern Virginia to the west coast of Florida, I am in a position to sell my home in Manassas, Va. about 30 miles west of Washington, D.C.   This home is on approx. 5 acres surrounded by tall trees and my 4 towers. The house is a low maintenance, aluminum siding house. It has 4 bedrooms, 2 1/2 baths, 2 car attached garage, 1 fireplace in the rec room a finished basement with what I think is an impressive radio room and a walk-out basement. The towers were erected here in 1989 and there are no covenants and restrictions in the neighborhood. The towers were put up after building permits were acquired. There are far too many antennas to list but I have taken much pride in building a contest quality station. One of the towers has an OSCAR satellite station with az/el rotator and the large KLM beams. The other 3 towers are 125, 135 and 150 ft. with rotatables for everything from 1296mhz to 40meters including a triple stack of 4 element 20meter beams with a switching/phasing network (Dunestar box)and assorted dipoles for the 80 and 160 band. Like antennas like I do? How about six antennas for the 6 meter band. Most all of the antennas are fed with 1/2"or 7/8" hardline up the towers. There is genuine quality and durability in the instalation of everything and YOU WILL HAVE a competitive signal on any selected band. If you are in the market for a home in the Washington, D.C. area then come to my antenna farm, a true "Ham's Nirvana". I work as a residential real estate appraiser in this

area and know what homes (even without the steel and aluminum 'clouds'
over head)are worth. I would be glad to talk to anyone serious about a
potential sale but please, please only serious inquires only. My time is
just as valuable as anyone elses and with the amount of telemarketing
going on these days, well...you get the idea. If you've always wanted to
hear what a 40 meter beam at 160ft sounded like then here's your
chance.   Maybe a once in a lifetime chance...'73.
Please call Mike (703)791-8280 or e-Mail kb4cvl@erols.com

From -219365885255623378
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 110c4e,87ef05eab5f1c76,start
X-Google-Attributes: gid110c4e,public
X-Google-Thread: 10c9e3,87ef05eab5f1c76,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,87ef05eab5f1c76,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,87ef05eab5f1c76,start
X-Google-Attributes: gidfa656,public
From: jeremy hopkins <jhop@norden1.com>
Subject: new web page
Date: 1997/10/12
Message-ID: <61pf5f$dmv$0@206.21.251.143>#1/1
X-Deja-AN: 279625372
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.commercial-lmr

check it out and tell me what you think
--
Jeremy W. Hopkins
KC8GWH
http://norden1.com/~jhop/index.htm
mailto:jhop@norden1.com
442.850 + mhz in nw ohio

From -4189201068051791285
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 110c4e,87ef05eab5f1c76
X-Google-Attributes: gid110c4e,public
X-Google-Thread: 10c9e3,87ef05eab5f1c76
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,87ef05eab5f1c76
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,87ef05eab5f1c76
X-Google-Attributes: gidfa656,public
From: "Lee" <rfi@vol.com>

```
Subject: Re: new web page
Date: 1997/10/14
Message-ID: <01bcd838$59482600$b1c10c26@default>#1/1
X-Deja-AN: 280213381
References: <61pf5f$dmv$0@206.21.251.143>
Organization: PSI Public Usenet Link
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.commercial-lmr


it's amateur radio....not amatuer

and please ditch the blue text on black background.
is it easy for you to read?

jeremy hopkins <jhop@norden1.com> wrote in article
<61pf5f$dmv$0@206.21.251.143>...
> check it out and tell me what you think
> --
> Jeremy W. Hopkins
>       KC8GWH
> http://norden1.com/~jhop/index.htm
> mailto:jhop@norden1.com
>  442.850 + mhz in nw ohio
>
>
>




From -6729082634726201282
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 110c4e,87ef05eab5f1c76
X-Google-Attributes: gid110c4e,public
X-Google-Thread: 10c9e3,87ef05eab5f1c76
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,87ef05eab5f1c76
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,87ef05eab5f1c76
X-Google-Attributes: gid107ada,public
From: jeremy hopkins <jhop@norden1.com>
Subject: Re: new web page
Date: 1997/10/15
Message-ID: <6216b4$ncr$0@206.21.251.143>#1/1
X-Deja-AN: 280552231
References: <61pf5f$dmv$0@206.21.251.143> <01bcd838$59482600$b1c10c26@default>
To: Lee <rfi@vol.com>
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.commercial-lmr


thank you for the input, corrections are being made friday,
Lee wrote:

> it's amateur radio....not amatuer
>
> and please ditch the blue text on black background.
> is it easy for you to read?
>
> jeremy hopkins <jhop@norden1.com> wrote in article
> <61pf5f$dmv$0@206.21.251.143>...
> > check it out and tell me what you think
> > --
> > Jeremy W. Hopkins
> >       KC8GWH
> > http://norden1.com/~jhop/index.htm
> > mailto:jhop@norden1.com
> >  442.850 + mhz in nw ohio
> >
> >
> >



--
Jeremy W. Hopkins
      KC8GWH
http://norden1.com/~jhop/index.htm
mailto:jhop@norden1.com
 442.850 + mhz in nw ohio






From -6639329112840178116
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e8097f4a5a14e7c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105955,5e8097f4a5a14e7c,start
X-Google-Attributes: gid105955,public
X-Google-Thread: fbf4d,5e8097f4a5a14e7c,start
X-Google-Attributes: gidfbf4d,public
X-Google-Thread: 16133d,5e8097f4a5a14e7c,start
X-Google-Attributes: gid16133d,public
X-Google-Thread: 101046,5e8097f4a5a14e7c,start
X-Google-Attributes: gid101046,public
X-Google-Thread: f4306,5e8097f4a5a14e7c,start
X-Google-Attributes: gidf4306,public
X-Google-Thread: fddbf,5e8097f4a5a14e7c,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,5e8097f4a5a14e7c,start
X-Google-Attributes: gidf76e2,public
From: "Eric Christensen" <ericsbox@coastalnet.com>
Subject: WTB: HF Mobile Rig
```

Date: 1997/10/21
Message-ID: <01bcde6c$6208a820$222db7cc@panther>#1/1
X-Deja-AN: 282286988
Followup-To: poster,rec.radio.amateur.equipment
Organization: RARS
Reply-To: ericsbox@coastalnet.com
Newsgroups: alt.ham-radio.packet,alt.radio,alt.radio-shack,att.ham-radio,cn.rec.hamradio,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.swap,slac.rec.ham_radi

I would like to buy an HF Rig that is small enough to be used mobile. It needs to be general coverage. I only have around $450 to $500 to spend. If you are familiar with such a rig, please email me back.

Thanks and 73s,
Eric Christensen, KF4OTN
Email = ericsbox@coastalnet.com

From -9050427264767272015
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3599af0ea7d3213f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9911,3599af0ea7d3213f,start
X-Google-Attributes: gidf9911,public
X-Google-Thread: f76e2,3599af0ea7d3213f,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fb049,3599af0ea7d3213f,start
X-Google-Attributes: gidfb049,public
From: kb9dbc@juno.com (Gregg Sperling)
Subject: FS: Motorola P110 16 ch. 4 Watts
Date: 1997/10/21
Message-ID: <344d3263.71800596@nntp.interaccess.com>#1/1
X-Deja-AN: 282348929
Organization: InterAccess Co., Chicago's Full Service Internet Provider
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio,rec.ham-radio.swap,chi.forsale

I have for sale a Motorola P 110 4 watt 16 channel radio. Includes:

4 Batteries (All good)
Spkr/Microphone
Surveillance earpiece/microphone
Rapid Charger

Will pay to have programmed to your specifications.

$400 OBO. -- No reasonable offers refused.

EMail to: kb9dbc@juno.com

```
From -999384692806528074
X-Google-Language: RUSSIAN,KOI8R
X-Google-Thread: 1081d8,9867734c62bca890,start
X-Google-Attributes: gid1081d8,public
X-Google-Thread: 10c9e3,9867734c62bca890,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 131523,9867734c62bca890,start
X-Google-Attributes: gid131523,public
X-Google-Thread: 1107dd,9867734c62bca890,start
X-Google-Attributes: gid1107dd,public
X-Google-Thread: fe959,9867734c62bca890,start
X-Google-Attributes: gidfe959,public
X-Google-Thread: fc842,9867734c62bca890,start
X-Google-Attributes: gidfc842,public
X-Google-Thread: 111971,9867734c62bca890,start
X-Google-Attributes: gid111971,public
From: "��������" <reclama@workmail.com>
Subject: ����������, �������
Date: 1997/10/22
Message-ID: <01bcde7d$24cca180$LocalHost@qwerty>#1/1
X-Deja-AN: 282395170
Organization: ����� ������� �����
Newsgroups: rec.games.trading-cards.startrek,rec.games.video,rec.ham-
radio,relcom,relcom.accounting,relcom.ads,relcom.ads.comp,relcom.archives,relcom.a
rchives.d,relcom.arts.epic,relcom.arts.magick,relcom.arts.qwerty,relcom.banktech,r
elcom.bbs,relcom.bbs


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��� ����������� (����� ������), ��� � ���������������
�������.
���� �� �������.

��� �������/���� (3952) 35-10-69




From -4200094549558286839
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8b06499f35991f65,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,8b06499f35991f65,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10fbd1,8b06499f35991f65,start
X-Google-Attributes: gid10fbd1,public
X-Google-Thread: f76e2,8b06499f35991f65,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,8b06499f35991f65,start
```

X-Google-Attributes: gidfa656,public
From: "Robert S. Schaps" <rschaps@signacon.com>
Subject: FS: Kenwood/AEA/Kantronics
Date: 1997/10/25
Message-ID: <01bce14a$46782640$6f0165c8@workstation2>#1/1
X-Deja-AN: 284882852
Organization: Signacon Controls, Inc.
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.packet

Equipment for sale. All in excellent operating condition, complete with original boxes, including manuals and cables:

Kenwood TM-421A 440 MHz Transceiver
Kantronics KTU Weathernode w/sensors
AEA PK88

E-mail your best offer. I'll pay for shipping by UPS within the US

Bob Schaps, WB2NVR

--

From -3767792667778019562
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fab81ab94c6637db,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,fab81ab94c6637db,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,fab81ab94c6637db,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa656,fab81ab94c6637db,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,fab81ab94c6637db,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,fab81ab94c6637db,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fb049,fab81ab94c6637db,start
X-Google-Attributes: gidfb049,public
From: kb9dbc@juno.com (Gregg Sperling)
Subject: FS: Motorola P110 16 ch 4W Handheld
Date: 1997/10/25
Message-ID: <3451fc0e.205734000@nntp.interaccess.com>#1/1
X-Deja-AN: 284889137
Organization: InterAccess Co., Chicago's Full Service Internet Provider
Newsgroups:
rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.boatanchors,rec.radio.amateur,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.ham-radio.swap

I have for sale:

Motorola P110 UHF 16 channel 4 watt radio
4 batteries
Speaker/microphone
"Stealth" surveillance earpiece/remote clip microphone
Rapid charger

$400 OBO -- NO REASONABLE OFFERS REFUSED!

I'll even pay to have it programmed to your liking! (I don't program them myself.)

Gregg/KB9DBC
kb9dbc@juno.com

From -1650550592064629411
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3b14e8665b9b9041,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,3b14e8665b9b9041,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,3b14e8665b9b9041,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: fcc6e,3b14e8665b9b9041,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 10bf43,3b14e8665b9b9041,start
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,3b14e8665b9b9041,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc2a5,3b14e8665b9b9041,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f7653,3b14e8665b9b9041,start
X-Google-Attributes: gidf7653,public
From: "Xiaopeng Rick Niu" <xn6@columbia.edu>
Subject: China Ham News 10/25/97: China on EME!
Date: 1997/10/25
Message-ID: <62tn9q$hls$2@apakabar.cc.columbia.edu>#1/1
X-Deja-AN: 284955597
X-MimeOle: Produced By Microsoft MimeOLE V4.71.1712.3
Organization: Columbia University
Newsgroups: rec.ham-radio,rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space,relcom.radio.ham

China Ham News 10/25/97
China on EME!

BY1QH, Beijing, confirmed three 2-meter QSOs on EME on Saturday, October 18, and Sunday October 19, 1997. The Tsinghua University Amateur Radio Club station ran 200 watts into a 4x9-element Yagi antenna.

In the first EME experiment, David, BZ1BM, and Lars, SM0KAK, had hoped to work VE7BQH and W5UN from BY1QH, but failed. They did work into Europe and QSOed with three SM stations. David and Lars also heard some DL, 9K and JA amateurs on EME, and are planning their second experiment shortly.

Please direct your interest in working with China on EME to David (bzibm@wg.chnmail.com), the student president of BY1QH.

Edited by:
Rick Niu, BD1QL
MBA '99, Columbia Business School, New York
xn6@columbia.edu

From -3885582774355359231
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,9d0b1ac7dbd9f4e,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,9d0b1ac7dbd9f4e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,9d0b1ac7dbd9f4e,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114cd0,9d0b1ac7dbd9f4e,start
X-Google-Attributes: gid114cd0,public
X-Google-Thread: f8620,9d0b1ac7dbd9f4e,start
X-Google-Attributes: gidf8620,public
From: chris@NOSPAMderossi.com (Chris Derossi)
Subject: FREE HAM Radio gear, San Jose
Date: 1997/10/25
Message-ID: <chris-2510971548190001@204.75.39.133>#1/1
X-Deja-AN: 284982689
Organization: Able Technical Services
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap,slac.rec.ham_radio,ba.market.misc

I haven't used this stuff in years and I'm cleaning out my garage. The entire box of stuff is free to the first person who comes by to pick it up. Sorry, but I don't want to separate the pieces, so it's all or nothing.

Included in the box are:

ICOM IC-720 HF transceiver
Kenwood TW-400A dual-band car-mount transceiver

Yaesu FT-208R handheld
ICOM IC-04AT handheld
Various microphones, chargers, etc.

Everything worked when I packed it away.

I am in the Almaden area of San Jose, CA. You can call me at (408) 997-8000.

_chris

--
* Anti-spam device in use. Fix the e-mail address before sending me mail.

From 5036894813221962284
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,9d0b1ac7dbd9f4e
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,9d0b1ac7dbd9f4e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114cd0,9d0b1ac7dbd9f4e
X-Google-Attributes: gid114cd0,public
X-Google-Thread: f8620,9d0b1ac7dbd9f4e
X-Google-Attributes: gidf8620,public
X-Google-Thread: f76e2,9d0b1ac7dbd9f4e
X-Google-Attributes: gidf76e2,public
From: Shanmarkas@aol.com (Mark Weiss)
Subject: Re: FREE HAM Radio gear, San Jose
Date: 1997/10/27
Message-ID: <Shanmarkas-2710970904380001@dial14.netwiz.net>#1/1
X-Deja-AN: 285351460
References: <chris-2510971548190001@204.75.39.133>
Organization: All USENET -- http://www.Supernews.com
Newsgroups: alt.ham-radio.marketplace,rec.ham-radio,rec.ham-radio.swap,slac.rec.ham_radio,ba.market.misc

In article <chris-2510971548190001@204.75.39.133>, chris@NOSPAMderossi.com (Chris Derossi) wrote:

>>>>>>   I called Chris .... the stuff is gone @ this time <<<<<

Mark K7VQU

> I haven't used this stuff in years and I'm cleaning out my garage. The
> entire box of stuff is free to the first person who comes by to pick it
> up. Sorry, but I don't want to separate the pieces, so it's all or
> nothing.
>
> Included in the box are:
>
> ICOM IC-720 HF transceiver

> Kenwood TW-400A dual-band car-mount transceiver
> Yaesu FT-208R handheld
> ICOM IC-04AT handheld
> Various microphones, chargers, etc.
>
> Everything worked when I packed it away.
>
> I am in the Almaden area of San Jose, CA. You can call me at (408) 997-8000.
>
> _chris
>
> --
> * Anti-spam device in use. Fix the e-mail address before sending me mail.

```
--
&%&%&%&%&%&%&%&%&%&%&%&%&%&%&%&%&%&%&%&&%&%&%&%&%&%&%&%&%&%&%&%&%&%&%&%&%
Mark Weiss                                  ShanMark Ad Specialities
Fax/Phone (USA) 415-802-0316                    ShanMarkAS@aol.com
P.O. Box 5131 Belmont, CA 94002               Kaiser and Blair Dealer
>>Imprinted & Economical T-Shirts,Caps,Mugs,Pens,Mouse Pads & More<<
&%&%&%&%&%&%&%&%&%&%&%&%&%&%&%&%&%&%&%&&%&%&%&%&%&%&%&%&%&%&%&%&%&%&%&%&%
```

From -4826877720349175875
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,af47255bbbb6c5d1,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,af47255bbbb6c5d1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,af47255bbbb6c5d1,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,af47255bbbb6c5d1,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: f7653,af47255bbbb6c5d1,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: fcc6e,af47255bbbb6c5d1,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fc2a5,af47255bbbb6c5d1,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 10bf43,af47255bbbb6c5d1,start
X-Google-Attributes: gid10bf43,public
From: "Xiaopeng Rick Niu" <xn6@columbia.edu>
Subject: CHINA HAM NEWS 10/28/97: BY1QH Special
Date: 1997/10/28
Message-ID: <636ekr$e3b$2@apakabar.cc.columbia.edu>#1/1
X-Deja-AN: 285694232
X-MimeOle: Produced By Microsoft MimeOLE V4.71.1712.3
Organization: Columbia University
Newsgroups: rec.ham-radio,rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space,relcom.radio.ham

CHINA HAM NEWS 10/28/97
BY1QH Special

Contributed by Lars Melin, SM0KAK
Member, Tsinghua University Amateur Radio Club, Beijing, China

Edited by Rick Niu, BD1QL
MBA '99, Columbia Business School, New York, NY
xn6@columbia.edu

* VHF DX

BY1QH is presently looking for stations who want to try 144 MHz DX, and are located less than 2,000 km away from Beijing in such DXCCs as BY, BV, VS, HL, JT, UA, and, in particular, VK6 (less than 400km from Dampier). The Dampier area is the only location to which it would be possible to make QSOs on 144 MHz using Trans-Equatorial Propagation. Stations interested in working with BY1QH on 144 MHz need to have at least one Yagi (preferably horizontally or circularly polarized), the capability to work on SSB or CW, a good take-off (low horizon) in the direction of Beijing, and a minimum output power of 50 watts.

* EME Report

In the first leg of the ARRL EME Contest, BY1QH worked SM5FRH, SM5BSZ and SM2CEW. The QSO with SM5FRH was the first EME QSO ever from China! BY1QH also heard and identified 11 more stations during the contest. Last weekend, BY1QH worked KB8RQ (first BY to North America on EME!) and W5UN. Also heard was VE7BQH.

BY1QH will participate in the second leg of the ARRL EME Contest on November 15-16. Antenna improvement is becoming urgent as it is not yet wind-proof now. In addition, the club is requesting China Radio Sports Association (CRSA) to clear the much QRMed 144.000 MHz caused by local paging system.

* Contact BY1QH

Tsinghua University Amateur Radio Club is seeking any possible assistance from the international amateur radio community, such as on EME. Please feel free to write to: David Zhang, BZ1BM (bzibm@wg.chnmail.com) or Lars Melin, SM0KAK (lars.melin@era.ericsson.se).

CHINA HAM NEWS is available for unlimited, appropriate distribution.

From 6513688355410618472
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,2c96cee187761378,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,2c96cee187761378,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,2c96cee187761378,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f4306,2c96cee187761378,start
X-Google-Attributes: gidf4306,public
X-Google-Thread: f76e2,2c96cee187761378,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,2c96cee187761378,start
X-Google-Attributes: gid107ada,public
From: cooncat@ncweb.com
Subject: FS: Radios,TNCs,Amps,more
Date: 1997/10/30
Message-ID: <878233910.22525@dejanews.com>#1/1
X-Deja-AN: 285997510
To: cooncat@ncweb.com
X-Http-User-Agent: Mozilla/2.0 (compatible; MSIE 3.02; Windows 95)
X-Originating-IP-Addr: 206.84.2.55 (dial-6.ncweb.com)
Organization: Deja News Posting Service
X-Authenticated-Sender: cooncat@ncweb.com
X-Article-Creation-Date: Thu Oct 30 17:51:50 1997 GMT
Reply-To: cooncat@ncweb.com
Newsgroups: rec.radio.amateur.equipment,alt.ham-radio.packet,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.misc,rec.radio.swap

Hi,

After some 10 years in packet radio, I've decided to go to a "lower profile" and sell off most of my packet ports. All radios are in great shape, as they'veonly been used on packet (very low duty cycle). Some have never had a mic pluggedinto them.   All prices are firm, and do not include shipping. I stand behind allthis gear 100%. I'm an Extra class licensee, and a professional Electronics technician. I'm also an ARRL/FCC V.E. Examiner; radio amateur for 20yrs. I tell you this, so that you will have an idea as to how these items were cared for during their time with me. (non smoker) Here's the list:

Alinco DR-110T 2mtr transc. (cellular receive capable ...not modified)
$150 Yaesu FT-212RH 2mtr transc. (tone encode/decode .. very user
friendly) $175 Icom IC-281H 2mtr transc. (440 rcv. .. 9600 baud capable)
 $175 Icom IC-38A 220 mhz Xcvr. (used exclusively on packet)
     $225
Kenwd TM-733A 2mt/440 dual band (9600 baud, used on packet only) $300

Kantronics RFC 3-312 220 amp/pre-amp (30in - 120 out ... up to 150w)
$225 Cushcraft 220 (1 1/4mtr) BOOMER (15ele - 15.5db gain) $ 75

Kantronics KPC-3 512K! (I personally did the 512K mod!) $120 Kantronics
KPC-9612 (dual port 9600/1200 tnc ... 128K) $200

I have the manuals and in most cases, the original boxes, etc.

Bank certified check or Postal M.O. acceptable tender. Estimate
shipping costs at $4 to $7 for continental U.S. via UPS Ground.

If you are interested in any of the above, contact me at:
mailto:cooncat@ncweb.com

Fax: 440-428-2399
Work Phone: 440-255-1080 x883 (8am-4:30pm EST)

73 de Bill, KB8EB (packet addr. is kb8eb@wa8bxn.neoh.oh.usa.na .. but
don't know how long I'll have a presence there)

-------------------==== Posted via Deja News ====-----------------------
http://www.dejanews.com/   Search, Read, Post to Usenet

From -7270974281041500486
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3b8b279054c7302,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3b8b279054c7302,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,a3b8b279054c7302,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1109af,a3b8b279054c7302,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,a3b8b279054c7302,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,a3b8b279054c7302,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,a3b8b279054c7302,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fcc6e,a3b8b279054c7302,start
X-Google-Attributes: gidfcc6e,public
From: "N3WUU" <nospam.steves@clark.net>
Subject: Re: Mitrek Question-Need help on PL vrs DpL tone boards
Date: 1997/11/02
Message-ID: <63jj6k$85@clarknet.clark.net>#1/1
X-Deja-AN: 286676881
References: <345CE6E1.9DC4A28E@flash.net>
<345cfc10.3063661@news.mia.bellsouth.net>
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
Organization: Clark Internet Services, Inc.
Newsgroups:
rec.radio.amateur.equipment,rec.radio.amateur,rec.radio.swap,rec.radio.amateur.swap,rec.radio.amateur.antenna,rec.radio.amateur.misc,rec.ham-radio,rec.ham-radio.swap

Wrong! The Yaesu FT-50RD and the VX-1R support DPL. Even the Yaesu

```
FRS radio supports DPL.  Yaesu calls it DCS, but it's the same thing.
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
73 de N3WUU
nospam.steves@clark.net
Remove "nospam" from address to reply
Xtinct wrote in message <345cfc10.3063661@news.mia.bellsouth.net>...
>On Sun, 02 Nov 1997 14:47:30 -0600, Cole and Kathy <kc5swi@flash.net>
>wrote:
>
>>
>>--------------EB25D22D7B0B6086975FBFC3
>>Content-Type: text/plain; charset=us-ascii
>>Content-Transfer-Encoding: 7bit
>>
>>Hi all.
>
>>Here is another puzzling question for yall:  If I want to run a
"tone"
>><ctcss> on my converted mitrek repeater, would a DPL Motorola tone
board
>>work.
>No, it won't.
>
> I have been lately advised that DPL is a digital encryption
>>of pl coding and would not work with Ham radio equipment.
>
>You have been advised correctly. DPL stands for Digital private line
and is
>a low speed digital coding scheme.
>
>I don't believe it is legal for amateurs to use this because it is a
>proprietary scheme to Motorola.
>
>
>>73
>>Cole
>>kc5swi@flash.net
>
>Regards,
>
>Bruce
>wb4yuc@juno.com
>
```

```
From 2725539902376620559
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3b8b279054c7302
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3b8b279054c7302
```

X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,a3b8b279054c7302
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,a3b8b279054c7302
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,a3b8b279054c7302
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,a3b8b279054c7302
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,a3b8b279054c7302
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 1031c8,a3b8b279054c7302
X-Google-Attributes: gid1031c8,public
From: "Dave Clausen" <dclausen@worldnet.att.net>
Subject: Re: Mitrek Question-Need help on PL vrs DpL tone boards
Date: 1997/11/03
Message-ID: <01bce870$efe25520$3907460c@dave>#1/1
X-Deja-AN: 286781720
References: <345CE6E1.9DC4A28E@flash.net>
<345cfc10.3063661@news.mia.bellsouth.net>
Organization: AT&T WorldNet Services
Newsgroups:
rec.radio.amateur.equipment,rec.radio.amateur,rec.radio.swap,rec.radio.amateur.swap,rec.radio.amateur.antenna,rec.radio.amateur.misc,rec.ham-radio,rec.ham-radio.swap

Just so you know......DPL is only a "Digital Private Line" squelch control.
It uses a continuous digital pulse instead of a sub-audible tone to
control the audio squelch. It is NOT a audio encryption system. If you
have the capability (i.e. a Motorola repeater with DPL) you can use it on
the amateur band. You probably won't get any others using the machine
unless they have a commercial type radio and have the proper digital code
programmed for the repeater.

73
Dave, W4ATT

Xtinct <I@dont.know> wrote in article
<345cfc10.3063661@news.mia.bellsouth.net>...
> On Sun, 02 Nov 1997 14:47:30 -0600, Cole and Kathy <kc5swi@flash.net>
> wrote:
>
> I don't believe it is legal for amateurs to use this because it is a
> proprietary scheme to Motorola.
>

From 147675024407079695
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3b8b279054c7302

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3b8b279054c7302
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,a3b8b279054c7302
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,a3b8b279054c7302
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,a3b8b279054c7302
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,a3b8b279054c7302
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,a3b8b279054c7302
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,a3b8b279054c7302
X-Google-Attributes: gidfcc6e,public
From: nospamdoug469@mindspring.com (Doug)
Subject: Re: Mitrek Question-Need help on PL vrs DpL tone boards
Date: 1997/11/04
Message-ID: <345f234a.484480042@news.mindspring.com>#1/1
X-Deja-AN: 286994146
References: <345CE6E1.9DC4A28E@flash.net>
<345cfc10.3063661@news.mia.bellsouth.net> <01bce870$efe25520$3907460c@dave>
X-Server-Date: 4 Nov 1997 13:32:09 GMT
Organization: MindSpring Enterprises
Reply-To: nospamdoug469@mindspring.com
Newsgroups:
rec.radio.amateur.equipment,rec.radio.amateur,rec.radio.swap,rec.radio.amateur.swap,rec.radio.amateur.antenna,rec.radio.amateur.misc,rec.ham-radio,rec.ham-radio.swap

Yaesu has finally started to offer DPL tone on amateur equipment. I
think the only one so far though is the FT50 dual band radio.
Hopefully others will soon follow suit.

If you want a truely private repeater, DPL is, for now, the way to go.

"Dave Clausen" <dclausen@worldnet.att.net> wrote:

>Just so you know......DPL is only a "Digital Private Line" squelch control.
> It uses a continuous digital pulse instead of a sub-audible tone to
>control the audio squelch. It is NOT a audio encryption system. If you
>have the capability (i.e. a Motorola repeater with DPL) you can use it on
>the amateur band. You probably won't get any others using the machine
>unless they have a commercial type radio and have the proper digital code
>programmed for the repeater.
>
>73
>Dave, W4ATT
>
>Xtinct <I@dont.know> wrote in article
><345cfc10.3063661@news.mia.bellsouth.net>...
>> On Sun, 02 Nov 1997 14:47:30 -0600, Cole and Kathy <kc5swi@flash.net>

```
>> wrote:
>>
>> I don't believe it is legal for amateurs to use this because it is a
>> proprietary scheme to Motorola.
>>
>

Remove "nospam" in address to reply

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
This Email Address is NOT FOR-SALE or use for JUNK EMAIL
or mass EMAIL's without the EXPRESSED WRITTEN PERMISSION
of the owner of this Email Address.
~~~~~~~~~~~~~~~~~~~~~~~~~WARNING~~~~~~~~~~~~~~~~~~~~~~~~
By US Code Title 47, Sec.227(a)(2)(B), a computer/modem/
printer meets the definition of a telephone fax machine.
By Sec.227(b)(1)(C), it is unlawful to send any
unsolicited advertisement to such equipment, punishable
by action to recover actual monetary loss, or $500,
whichever is greater, for EACH violation.
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~



From -4409364402303854474
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3b8b279054c7302
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a3b8b279054c7302
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,a3b8b279054c7302
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,a3b8b279054c7302
X-Google-Attributes: gid1109af,public
X-Google-Thread: fcc6e,a3b8b279054c7302
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,a3b8b279054c7302
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,a3b8b279054c7302
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1031c8,a3b8b279054c7302
X-Google-Attributes: gid1031c8,public
From: "JON" <w4abc@gte.net>
Subject: Re: Mitrek Question-Need help on PL vrs DpL tone boards
Date: 1997/11/05
Message-ID: <63p2j2$equ$1@gte1.gte.net>#1/1
X-Deja-AN: 287119813
References: <345CE6E1.9DC4A28E@flash.net>
Organization: gte.net
X-Auth: c1879150891284c551d58411
Newsgroups:
rec.radio.amateur.equipment,rec.radio.amateur,rec.radio.swap,rec.radio.amateur.swa
p,rec.radio.amateur.antenna,rec.radio.amateur.misc,rec.ham-radio,rec.ham-
```

radio.swap

Hi Cole and Kathy,

Yes there is a difference. If you are considering using ctcss on your machine, and it is for general amateur consumption, then the only item to use would be a conventional "PL" board. The use of a ''DPL" board would all but eliminate the use of your repeater by most individuals. There are 1000 positive and 1000 negative going "DPL" codes to choose from. Some of the newer ham rigs now are equiped with "DPL." If you don't have a real "lid" problem then your best bet is going to be the use of the former.

Cole and Kathy <kc5swi@flash.net> wrote in article
<345CE6E1.9DC4A28E@flash.net>...

> Hi all.
> I want to say up front that the help I have received has been tremendous from the news groups! THANKS!
>
> Here is another puzzling question for yall: If I want to run a "tone" <ctcss> on my converted mitrek repeater, would a DPL Motorola tone board work. I don't know the entire difference between DPL and pl tone boards. I thought the DPL board was just a programmable tone board, and would work with regular "pl" tones I associate with normal repeaters. I have been lately advised that DPL is a digital encryption of pl coding and would not work with Ham radio equipment.
>
> Who is correct????
>
> Will the DPL tone board allow a normally equipped ham radio to access the repeater?
> Thanks in advance for all the long distance Elmer'ing! I prefer e-mail responses if possible so I don't miss one!!
> 73
> Cole
> kc5swi@flash.net
>

```
From -5532734172641800347
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4083ea8ca2e74562,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,4083ea8ca2e74562,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,4083ea8ca2e74562,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,4083ea8ca2e74562,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,4083ea8ca2e74562,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 108122,4083ea8ca2e74562,start
X-Google-Attributes: gid108122,public
```

```
X-Google-Thread: f76e2,4083ea8ca2e74562,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,4083ea8ca2e74562,start
X-Google-Attributes: gid1031c8,public
From: Cole and Kathy <kc5swi@flash.net>
Subject: WTB:> VHF Duplexer
Date: 1997/11/05
Message-ID: <34613F55.BE069D55@flash.net>#1/1
X-Deja-AN: 287321982
Reply-To: kc5swi@flash.net
Organization: Flashnet Communications, http://www.flash.net
Newsgroups: rec.ham-
radio.swap,rec.radio.amateur.equipment,rec.radio.amateur,rec.radio.swap,rec.radio.
amateur.swap,rec.radio.amateur.antenna,rec.radio.amateur.misc,rec.ham-radio



--------------E29586BBF14C47BB12B4A58A
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello group!

I am looking for a set a vhf Duplexers for 2 meter 600 khtz split.
Prefer wacom, but I will consider others in good working order.
Please e-mail at kc5swi@flash.net

Thanks,
Cole

--------------E29586BBF14C47BB12B4A58A
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<HTML>
<BODY TEXT="#000000" BGCOLOR="#FFFFFF" LINK="#0000EE" VLINK="#551A8B"
ALINK="#FF0000">
Hello group!

<P>I am looking for a set a <B>vhf Duplexers for 2 meter 600 khtz split.</B>&nbsp;
Prefer wacom, but I will consider others in good working order.
<BR>Please e-mail at<B> kc5swi@flash.net</B><B></B>

<P><B>Thanks,</B>
<BR><B>Cole</B>
</BODY>
</HTML>

--------------E29586BBF14C47BB12B4A58A--
```

```
From -6691125198534676401
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f75036b3151b7c41,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,f75036b3151b7c41,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,f75036b3151b7c41,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1109af,f75036b3151b7c41,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 109c0d,f75036b3151b7c41,start
X-Google-Attributes: gid109c0d,public
X-Google-Thread: f76e2,f75036b3151b7c41,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 11014a,f75036b3151b7c41,start
X-Google-Attributes: gid11014a,public
X-Google-Thread: fc8b1,f75036b3151b7c41,start
X-Google-Attributes: gidfc8b1,public
From: James Burchfield <cliftab@bellsouth.net>
Subject: Re: FS: TS520&gear
Date: 1997/11/09
Message-ID: <34664265.4C7D@bellsouth.net>#1/1
X-Deja-AN: 288160257
References: <3454138E.597E@citynet.net>
Reply-To: cliftab@bellsouth.net
Newsgroups: rec.radio.amateur.equipment,rec.radio.swap,rec.ham-radio,rec.ham-
radio.swap,rec.misc.forsale,rec.radio.amateur,MISC.FORSALE,rec.radio.amateur.boata
nchors,rec.radio.amateur.misc,alt.marketplace.funky-stuff.forsale
```

Randy/DeeDee/Robin wrote:

> Hi, all, have the following for sale:
>
> Kenwood TS520:
>
> Works great, I haven't used it much, some friends have talked on it.
> bought as incentive to upgrade, still haven't upgraded. Case is somewhat
> worn, rating about a 5 on the scale, top is scrached and worn the most,
> but the faceplate gets a 7, lettering in great shape, plastic isn't
> scratched, meters look and work good with no scratches. Basically
> repaint and it will look great. has DC converter pak on back. 10-80m,
> has 11m crystal w/toggle switch mounted between boards accessable from
> bottom hole.(I did NOT do that...).
>
> MFJ antenna tuner, 100w, don't have model # handy, email and I'll have
> it then... MINT
>
> Heathkit Freq. counter IM2410 10-225MHz
> almost MINT, needs a led pod for the last number, Looks as if it were
> built yesterday, really. works great!
>
> Asking $325 for the lot if u ship!

> thanks,
> Randy
>
> --
> >>Remove the nospam! from return email to reply.<<

Randy, what are u asking for the 520 alone?
Tnx for the reply, Pat/KC4PHM

From 4600735274006612886
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,efa86273654e0e92,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,efa86273654e0e92,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 114aac,efa86273654e0e92,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 1109af,efa86273654e0e92,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,efa86273654e0e92,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,efa86273654e0e92,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,efa86273654e0e92,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,efa86273654e0e92,start
X-Google-Attributes: gid1031c8,public
From: "Charles Francer" <francer@gis.net>
Subject: FS Pwr Supply, Sure Mic
Date: 1997/11/09
Message-ID: <01bced2c$d32fcb40$0b7906d1@default>#1/1
X-Deja-AN: 288639691
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.shortwave,rec.radio.swap

FOR SALE: PYRAMID GOLD SERIES POWER SUPPLY - DUAL METERS MODEL PS-26K .
Adjustable Output - In Box and all docs.
$75.00 +Shipping

Quality-SHURE- Prologue Microphone Model 6L-B NEW COND IN BOX WITH papers. $85.00+Shipped

ORDERS MUST BE PREPAID OR COD

Charles Francer <francer@gis.net>
N1RPD

```
From -839784019767111036
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,73313c0739e24f14,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,73313c0739e24f14,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fc8b1,73313c0739e24f14,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 107ada,73313c0739e24f14,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,73313c0739e24f14,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,73313c0739e24f14,start
X-Google-Attributes: gidf76e2,public
From: Randy/DeeDee/Robin <dc@citynet.net>
Subject: FS: HW 101 parts/fix???
Date: 1997/11/10
Message-ID: <34669DA4.43C0@citynet.net>#1/1
X-Deja-AN: 288221536
Reply-To: dc@city.net.net
Organization: CityNet Corporation
Newsgroups: rec.radio.swap,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.misc


Have Heathkit hw101 for sale, also hp 23 pwr. supply in other posting...
101 is in rather good cosmetic shape. Face is decent, case good, having
a few blemishes, no dents, large scratches, etc. Rig seems to be
complete, but sadly, it needs het. osc. boards..(well, not really the
boards, but the tuning slugs/cavities all seem to be cracked, split,
missing, etc). The drive control has come loose and will slide right out
(sorry, I pulled on it, was working ok!) missing one rubber foot, needs
new dial disc,  powers up ok, can hear some stations barely on 80, so it
does kinda work, has finals, etc. What's it worth? $40.00?
Reply via email,
Thanks!
Randy, KC8CPK
--
>>To reply, remove the dot between 'city' and 'net'<<

>>Randy- KC8CPK, CRTT, NREMT-P, ICQ 4455106<<
>>Robin- RN, MICU<<
>>DeeDee- CCC,SLP<<



From 5628710000370759256
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,71a68adad4410290,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,71a68adad4410290,start
X-Google-Attributes: gid107ada,public
```

X-Google-Thread: 1109af,71a68adad4410290,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,71a68adad4410290,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,71a68adad4410290,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc8b1,71a68adad4410290,start
X-Google-Attributes: gidfc8b1,public
From: Randy/DeeDee/Robin <dc@citynet.net>
Subject: FS: HP-23 power supply
Date: 1997/11/10
Message-ID: <34669B61.58ED@citynet.net>#1/1
X-Deja-AN: 288231924
Reply-To: dc@city.net.net
Organization: CityNet Corporation
Newsgroups: rec.radio.swap,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.misc

Hi,

I have a Heathkit HP 23 power supply for sale. Works great, has switches for pwr off/on, dual voltage and pwr on lamp. In very good cosmetic condition as well. Only a few blemishes but has some 'labelmaker tape' identifying the voltages switch. Mostly just glue marks from tape, etc. Have 'homebrew' pwr. cord for HW 101... pretty rough and not well made, but has proper connectors. will go with first piece of equip out the door. See HW101 posting! Want both maybe?? Reasonable offers considered and uship! reply via email.
thanks,
Randy, KC8CPK
--
>>To reply, remove the dot between 'city' and 'net'<<

>>Randy- KC8CPK, CRTT, NREMT-P, ICQ 4455106<<
>>Robin- RN, MICU<<
>>DeeDee- CCC,SLP<<

From -5322739628159319541
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aad4051e1be351b0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,aad4051e1be351b0,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10bf43,aad4051e1be351b0,start
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 11480d,aad4051e1be351b0,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: fc2a5,aad4051e1be351b0,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 107ada,aad4051e1be351b0,start

X-Google-Attributes: gid107ada,public
X-Google-Thread: f7653,aad4051e1be351b0,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: fcc6e,aad4051e1be351b0,start
X-Google-Attributes: gidfcc6e,public
From: "Xiaopeng Rick Niu" <xn6@columbia.edu>
Subject: CHINA HAM NEWS 11/11/97: EME Schedule
Date: 1997/11/11
Message-ID: <64a9er$7mo$2@apakabar.cc.columbia.edu>#1/1
X-Deja-AN: 288669328
X-MimeOle: Produced By Microsoft MimeOLE V4.71.1712.3
Organization: Columbia University
Newsgroups: rec.ham-radio,rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space,relcom.radio.ham

CHINA HAM NEWS 11/11/97: EME Schedule

Contributed by Lars Melin, SM0KAK
Member, Tsinghua University Amateur Radio Club, Beijing, China

Edited by Rick Niu, BD1QL
MBA '99, Columbia Business School, New York, NY
xn6@columbia.edu

BY1QH will be QRV on 144MHz EME at 1300-2300z, Saturday, November 15, 1997.

1400-1600z	CQ
1600-1700z	Listen around
1700-1900z	CQ
1900-2000z	Listen around
2000-2100z	CQ
2100-2200z	Listen around
2200-2300z	CQ

BY1QH will always call CQ on 144.120MHz, using two-minute timing, with BY1QH transmitting in the first period. BY1QH plans to stay on 144.120MHz the full even hour, and stay there longer if someone is heard at the end of the hour.

During the contest, BY1QH will be QRV on a borrowed mobile phone: (86-10) 9085-4674.

So far BY1QH has worked SM5FRH, SM5BSZ, SM2CEW, KB8RQ, and W5UN.
If you want to see some pictures taken at BY1QH just before the first leg of the ARRL EME contest, take a look at the homepage of PA3DSS: http://www.horizon.nl/~tdekkers/by1qh/index.html.

CHINA HAM NEWS is available for unlimited, appropriate distribution.

From -7669476243971949559
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ffb2b5f1a3afecd8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,ffb2b5f1a3afecd8,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,ffb2b5f1a3afecd8,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,ffb2b5f1a3afecd8,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,ffb2b5f1a3afecd8,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fa029,ffb2b5f1a3afecd8,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 107ada,ffb2b5f1a3afecd8,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc8b1,ffb2b5f1a3afecd8,start
X-Google-Attributes: gidfc8b1,public
From: Randy/DeeDee/Robin <dc@citynet.net>
Subject: FS: TS520
Date: 1997/11/12
Message-ID: <346A44AD.1EF3@citynet.net>#1/1
X-Deja-AN: 289050128
Reply-To: dc@city.net.net
Organization: CityNet Corporation
Newsgroups: rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.swap,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.misc

Hi, all, still have the TS520 in great electrical shape and decent cosmetic shape for sale or trade. Looking for and HT1000 ht VHF 16ch. or sale radio, mic, xtra tubes, cw filter, dc power pack option for $250uship. Thanks for the time and reply via email.

73,
Randy
--
>>To reply, remove the dot between 'city' and 'net'<<

>>Randy- KC8CPK, CRTT, NREMT-P, ICQ 4455106<<
>>Robin- RN, MICU<<
>>DeeDee- CCC,SLP<<

From 5461028604972036349
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0248db838c6759c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,b0248db838c6759c,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f64c6,b0248db838c6759c,start
X-Google-Attributes: gidf64c6,public
From: Oesch <yves.oesch@epfl.ch>
Subject: Baycom Modem
Date: 1997/11/14
Message-ID: <346C78F4.17C1@epfl.ch>#1/1
X-Deja-AN: 290057923
Organization: EPFL
Reply-To: yves.oesch@de.epfl.ch
Newsgroups: rec.ham-radio.packet,rec.ham-radio,uk.radio.amateur

Hello all,
Who knows well the little packet modem called Baycom.
I have made 2 of them, and I wanted to know the role of the 4th inverter, whose input and output is connected on the main chip (TCM 3105 modem)
Best thanks for your help
yves OESCH/HB9VJV
PR: hb9vjv@hb9iap.srom.che.eu
E-Mail: yves.oesch@epfl.ch

From -2439374655562729587
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0248db838c6759c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,b0248db838c6759c
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fddbf,b0248db838c6759c
X-Google-Attributes: gidfddbf,public
From: "hlees" <hlees@ix.netcom.com>
Subject: Re: Baycom Modem
Date: 1997/11/14
Message-ID: <64j2jn$67n$1@news3.texas.net>#1/1
X-Deja-AN: 291051005
References: <346C78F4.17C1@epfl.ch>
X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3
Organization: HDL Enterprises
Newsgroups: rec.ham-radio.packet,rec.ham-radio,uk.radio.amateur

It ties the clock to the xmit, see attachment.
de KJ6WS

Oesch wrote in message <346C78F4.17C1@epfl.ch>...
>Hello all,
>Who knows well the little packet modem called Baycom.
>I have made 2 of them, and I wanted to know the role of the 4th
>inverter, whose input and output is connected on the main chip (TCM 3105
>modem)
>Best thanks for your help
>yves OESCH/HB9VJV
>PR: hb9vjv@hb9iap.srom.che.eu
>E-Mail: yves.oesch@epfl.ch

begin 666 Btnc.gif
<encoded_portion_removed>
end

From 3270207180474746109
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0248db838c6759c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,b0248db838c6759c
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fddbf,b0248db838c6759c
X-Google-Attributes: gidfddbf,public
From: Roger Barker <roger@peaksys.demon.co.uk>
Subject: Re: Baycom Modem
Date: 1997/11/15
Message-ID: <vqEYUFAvTXb0EwnX@peaksys.demon.co.uk>#1/1
X-Deja-AN: 289719942
References: <346C78F4.17C1@epfl.ch> <64j2jn$67n$1@news3.texas.net>
Distribution: world
X-NNTP-Posting-Host: peaksys.demon.co.uk [158.152.59.122]
Organization: Peak Systems
Newsgroups: rec.ham-radio.packet,rec.ham-radio,uk.radio.amateur

In article <64j2jn$67n$1@news3.texas.net>, hlees <hlees@ix.netcom.com>
writes

>Oesch wrote in message <346C78F4.17C1@epfl.ch>...
>>Hello all,
>>Who knows well the little packet modem called Baycom.
>>I have made 2 of them, and I wanted to know the role of the 4th
>>inverter, whose input and output is connected on the main chip (TCM 3105
>>modem)

> It ties the clock to the xmit, see attachment.
>de KJ6WS

That's not quite right. It connects the clock output to TRS, which is not "xmit".

On the TCM3105, the mode is selected using the TXR1, TXR2 and TRS inputs. In the Baycom modem application, TXR1 and TXR2 are grounded and the clock is applied to TRS - this selects Bell 202, 1200 bps transmit and receive. The TCM3105 data sheet can be consulted for a list of the other modes available from the chip.

One other point - the Baycom modem circuit shown in the attachment only drives the CTS output at TTL level. This will give problems with the comm ports on some PCs. There is a better design which uses a PNP transistor to drive the CTS and which allows the output to swing properly negative.

--
Roger Barker, G4IDE roger@peaksys.demon.co.uk
Boston, UK   http://www.peaksys.demon.co.uk
                     "Be tolerant of everything, except for intolerance!"

From 7099825910062478701
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0248db838c6759c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,b0248db838c6759c
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fddbf,b0248db838c6759c
X-Google-Attributes: gidfddbf,public
From: olympus@nospam.prestel.co.uk (Jim Dunnett)
Subject: Re: Baycom Modem
Date: 1997/11/15
Message-ID: <346e2a56.2956622@news.prestel.co.uk>#1/1
X-Deja-AN: 289849028
References: <346C78F4.17C1@epfl.ch> <64j2jn$67n$1@news3.texas.net>
<vqEYUFAvTXb0EwnX@peaksys.demon.co.uk>
Reply-To: Jim Dunnett
Organization: At Home
Newsgroups: rec.ham-radio.packet,rec.ham-radio,uk.radio.amateur

On Sat, 15 Nov 1997 10:09:51 +0000, Roger Barker
<roger@peaksys.demon.co.uk> wrote:

>One other point - the Baycom modem circuit shown in the attachment only
>drives the CTS output at TTL level. This will give problems with the
>comm ports on some PCs. There is a better design which uses a PNP
>transistor to drive the CTS and which allows the output to swing
>properly negative.

Thanks for the explanation. I've often wondered what that transistor was for. (Too brain-dead to work it out for myself).

73

```
--
- Jim, g4rga                  | A cynic is:
jayemd @cix.co.uk             | a man who knows the price of everything
news @jimdee.prestel.co.uk    | and the value of nothing.
106623.63 @compuserve.com     |
                              | -- Oscar Wilde 1854 - 1900.
Rallies etc: www2.prestel.co.uk/jimdee
```

```
From -2576301250619064032
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,879abd44593dbe07,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,879abd44593dbe07,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 114aac,879abd44593dbe07,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 1109af,879abd44593dbe07,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,879abd44593dbe07,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,879abd44593dbe07,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,879abd44593dbe07,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,879abd44593dbe07,start
X-Google-Attributes: gidf76e2,public
From: "Charles Francer" <francer@gis.net>
Subject: FS: TEST  EQPT & QRP RIG NEW!
Date: 1997/11/15
Message-ID: <01bcf1ce$fdedac20$a87d06d1@francer.gis.net>#1/1
X-Deja-AN: 290332990
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,re
c.radio.amateur.swap,rec.radio.shortwave,rec.radio.swap
```

CONTACT KA1DPW@EROLS.COM

NEW //Palomar Engineers PFS-1 Field Strength Meter. Covers 1.8 to 150 MHz. Tuned input circuit removes out-of-band signals. Has a 20 dB gain amp to further improve sensitivity. Gain measurement using panel meter to better than .2dB. Has 30 dB attenuator w/5dB steps. Never used, $100. Contact Dave <ka1dpw@erols.com>

NEW//A&A Engineering 30 meter 5 watt QRP rig. Single conversion, AGC, VFO, CW sidetone, w/speaker & sidetone. Fully calibrated. Never used, $100. Contact Dave <ka1dpw@erols.com>

```
From 8432527188653191673
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4305597a43087666,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,4305597a43087666,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1009ad,4305597a43087666,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: f76e2,4305597a43087666,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fb049,4305597a43087666,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f5341,4305597a43087666,start
X-Google-Attributes: gidf5341,public
X-Google-Thread: 107ada,4305597a43087666,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,4305597a43087666,start
X-Google-Attributes: gidfa656,public
From: "Martyn Allison" <martyn@intecc.co.uk>
Subject: New amateur web site
Date: 1997/08/06
Message-ID: <33e8d8a2.0@norbert.cerbernet.co.uk>#1/1
X-Deja-AN: 262642718
X-MimeOLE: Produced By Microsoft MimeOLE Engine V4.71.0544.0
Organization: Wisper
Newsgroups: alt.ham-radio.vhf-uhf,alt.radio.scanner,alt.radio.scanner.uk,rec.ham-
radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,re
c.radio.amateur.swap,rec.radio.scanner,uk.radio.amateur


Multicomm 2000 has a new web site that I would like to invite you to come
and visit. We have some really keen prices and have some really hard to
find products available. http://www.multicomm2000.com
I would also apreciate your comments after you have visited my site
Best 73's
Martyn
--
Multicomm 2000 the place to be!!!!
```

```
From -7949130384693241030
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,bff58975e5c21a86,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-Thread: 107ada,ad0b7799bd9b392d
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,bff58975e5c21a86,start
X-Google-Attributes: gidfa656,public
From: "Sean Warner KC0BTD" <kc0btd@nospam.qsl.net>
Subject: Re: What do You Think of Radio Shack?
Date: 1997/08/06
Message-ID: <01bca287$e4ca9e60$3cbe84d0@default>
X-Deja-AN: 262667057
References: <33e69b61.4315117@news.nol.net>
Organization: Radio NKVD
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc

Roy, I'm am suprised that the Radio Shack employees in your neighborhood continually get away with holding those guns to your head & marching you down to the local store, in order to force you to buy those resistors or PL 259's that you would otherwise have to drive 30 miles out of the way to find or mail order them. If you detest the chain so much, then DON'T GO THERE!! Be a man of principle the next time you need to go purchase something & RS is the nearest & most convenient option-put yourself through the hardship of going through the extra inconvenience of going to a specialty store or ordering through the mail, in order to prove you are a man of your words. I find it incomprehensible that someone with such a deep seated hatred of the Tandy Corp. would even consider setting foot in a RS store, even when faced with the convenience dilemma. I'm curious what happens when you stroll into your local Food & Fuel convenience store & find out the tomatoes they peddle are not nearly as fresh as the ones at the supermarket; have you called for a boycott of them too?

As for Tandy going after usage of the word "Shack" with regards to amateur clubs/organizations/operators using it in conjunction with the hobby, I am aware of numerous local clubs who incorporate that in their slogans, and have heard nary a peep from any lawyers representing the Tandy Corporation. If it is true that Tandy has indeed registered the word "Shack" as a registered trademark (which does not seem so incredulous, as this is a nearly universal moniker for the chain store), then they have every right to go after someone who is using their registered trademark in a manner that may besmirch the name of the store. What, pray tell, is 'Bionics' Smut Shack'? I can tell you what it sounds like.......

(Title Page Description)
bianca greets you with open arms, embracing all who would come to her
Shack and
contribute their wisdom, talents and love to
bianca's growing community. Come on in!
Write on bianca's walls, read from her books.
Learn and contribute! bianca likes to
accommodate all her guests as best she can,
therefore, she has developed several
different methods by which you can tour her little
hovel.

(Disclaimer at the bottom)
this site contains adult natured content.

Whoever chose that name either intended to get a lot of hits from people who go looking for adult related material, & if you think otherwise, the you are suffering from a severe case of naivete. Do I agree that Tandy should go after Bianca & the site? Not necessarily. Do I believe that Tandy has the right to go after Bianca & the site if they feel that the use of their registered trademark is not being used in accordance to the image that they are trying to convey to people? Damn right I do.

Also, your assertion that Radio Shack does not in anyway market to amateur radio is completely baseless & devoid of fact. Radio Shack, in addition to selling the 10 meter mobile, also sells a very fine 2 meter mobile & 2 meter/70 cm HTs, and are reintroducing their dual band HT this fall. They also sell a very nice & affordable line of SW receivers & scanners, which a lot of amateurs enjoy as crossover pursuits. Are these products as good as the latest offerings from Yaesu, Icom, Drake, etc.? Nope. Are they decent products that will perform reasonably well, considering their price range & the fact that the primary market for these products is the beginning enthusiast with little time or patience for thumbing through an operator manual the size of the King James Bible? Yep.
I do not own a Radio Shack amateur/shortwave/scanner product, as I prefer to spend a little more & get something more specific & detailed to what I intend to use it for. But I have test drove a lot of the aforementioned gear, and most of them performed well with the previously mentioned considerations in mind (some, like the DX 392, a Sangean 808CS SW receiver in drag, performed just like the original, & at a much better price at the time 7/96).

As for your call for an amateur radio boycott of Tandy Corp, I believe that most fellow amateur operators, like myself, will continue to see Radio Shack as what they really are-a convenience store. If I want help with a technical problem of a nature beyond the knowledge of the amateur, I call Universal Radio, AES, Grove, EEB, HRO, etc. or visit the local specialty store (Radio City) in town, where I know that the level of technical know how & proficiency exceeds both that of most of us amateurs as well as the general retail salesperson. We've all had our bad experiences at the Shack, whether it be some 16 year old salesperson who doesn't know a balun from a keg tap, or the occasional product that doesn't seem to want to work as its makers intended. I ask you, Roy, what makes Radio Shack different, then, from the rest of the retail world? Your boycott call, folly that it is, would only serve to deprive the rest of us amateurs who do not share your agenda of an extremely useful outlet for convenient parts & products. Please carry on your personal crusade without invoking the name of the amateur community as being representative of your views.

73, Sean

```
--
=========================
= Sean Warner         KC0BTD =
=========================
```

'Durak, Duraka,
Vidyat iz daleka...'

R.S.Hradilek <ids@nol.net> wrote in article
<33e69b61.4315117@news.nol.net>...
> There has been a controversy brewing on other parts of the Internet
> that concerns us, and I thought it should be brought to the attention
> of the radio amateur community:
>
>
> (snip)
> We all still go there when we have to, and we all have also passed 20
> Radio Shacks in order to get to a real electronics store. The
> brain-dead help, the poor quality parts, the poor selection - we all
> know about this. Radio Shack undoubtedly has the lowest reputation in
> the electronics trade among hams and electronics professionals (but
> that�s not who they market to). I am particularly tired of the cheap
> quality coax, hookup wire that won�t solder, and connectors with
> porcelain looking insulating material that melts and self destructs
> when you try to apply heat to the metal portions that seem to repel
> solder. Their poo quality PL-259 plugs are an example. I will not
> linger further on my own Radio Shack horror stories: you all have your
> own.
>
>(snip)
>
> Tandy has also registered certain of their marketing slogans so that
> others may not use them. These include the phrase "The Technology
> Store" and "You've Got Questions, We've Got Answers." Ever try to ask
> a Radio Shack employee a highly technical question, such as "Where are
> the SO-238's?" Duh! I hope hope that a corporation would make an
> attempt to live up to the claims in their marketing slogans if they
> insist on registering them for their own exclusive use.
>
> (snip)
>
> So what might I suggest we hams do about this? Jump in with both
> feet!!!
>
> Boycott Tandy? We already avoid them, don't we?
>
> 73, de Roy -- AD5Q
> http://www.nol.net/~ids/prop.html
>
>

From -3168134237152713301
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bff58975e5c21a86
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,ad0b7799bd9b392d

X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,bff58975e5c21a86
X-Google-Attributes: gidfa656,public
From: "Sean Warner KC0BTD" <kc0btd@qsl.net>
Subject: Re: What do You Think of Radio Shack?
Date: 1997/08/10
Message-ID: <01bca529$0f6a5400$4fbe84d0@default>#1/1
X-Deja-AN: 263194168
References: <33e69b61.4315117@news.nol.net> <01bca287$e4ca9e60$3cbe84d0@default>
<33ee4e63.9411708@news.nol.net>
Organization: Radio NKVD
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc

--
Sean M. Warner KC0BTD

R.S.Hradilek <ids@nol.net> wrote in article
<33ee4e63.9411708@news.nol.net>...
> On 6 Aug 97 16:43:40 GMT, "Sean Warner KC0BTD" <kc0btd@nospam.qsl.net>
>
>
> Actually, they are good for some things: watch batteries, telephone
> jacks, TV twin lead. Because of the convenience thing, I also make it
> a point to know what they have in those cute little packages in the
> back corner of the store.

Then you actually have in a sense accepted Radio Shack for what they are, a
convenience store. I have never met anyone in my many trips to RS that
pretended the store was anything else. Then why the vendetta??
> >
> >As for Tandy going after usage of the word "Shack" with regards to
amateur
> >clubs/organizations/operators using it in conjunction with the hobby,
>
> Did I say there were?

I believe you insinuated that they would. I myself find it hard to believe
that they would make such a blatantly hostile stink towards a large segment
of their customers. They were going after a self titled 'smut shack', not
'Ham Shack' --these are not exactly tow of the same. The people at Tandy
didn't become rich by being idiots--I find your paranoia a bit premature.
>
> >Do I believe that Tandy
> >has the right to go after Bianca & the site if they feel that the use of
> >their registered trademark....
>
> Legally you are right. They have registered a word out of the context
> of our lexicon and are precluding others from using it in any
> unrelated commercial context - including its original context (ham
> radio).

Well, at least we agree on something.

In a non-legal sense, I have a problem with this.

I'm still not exactly sure why, but that's your business, of course.
>
> >Also, your assertion that Radio Shack does not in anyway market to
amateur
> >radio is completely baseless & devoid of fact.
>
> This is a recent development, Mr. KC0. You havn't been a ham very
> long.

Ahhh, the favorite fall back position of the jaded & cynical amateur
operator! Of course, you realize that your assertion here means absolutely
nothing & contributes very little to the validity of your contentions....

For your information, Mr. Hradilek, I have been very active in SWL for many
years, and I have been in their store enough & received enough of their
catalogs to know that they indeed have been marketing to amateurs for quite
some time. The big hamfest in town always seems to have a Radio Shack
booth, right along with the rest of them. I think perhaps you may have
dismissed their amateur efforts out of hand for reasons you have made very
apparent in this post & the previous one.

They are merely trying to cash in on the recent boom in amateur
> activity as they did with CB in the 70's.

I'd like to think that's what businesses are supposed to do, take advantage
of opportunity when it knocks.

Tandy helped make CB what it
> became, and would love to do it again.

If there was that kind of $$$ in it again, so you & I!! These last
statements make it appear that you are more jealous of the Tandy success
story (like them or not, you must admit they've done very well for
themselves) than anything else.
>
> >Please carry on your personal crusade without invoking the name of the
> >amateur community as being representative of your views.
>
> I do strongly feel that most of the amateur community has a negative
> opinion of Radio Shack.

I & most others view them for what they are, not what we wish they would
be. I have heard some of the old time amateurs & SWLers gripe & bitch about
RS, yet I always seem to bump into them when I'm there, which leads me to
the assumption that they also have come to grips with what the store really
is. Therefore, I disagree with this statement as being rooted in extremely
unrealistic expectations.

This may have changed with all the new

> Technician licensees, but I have never worked one and therefore don't
> know.

Again, I fail to see the relevance of this & why it changes anything.

My right to post an inquiry on this forum is absolute, because
> this is the Internet. It is the Spammer's that don't belong here.

Ahh, well, we agree on two things here. Yes you do have the right to post
in this forum for discussion. yes, we both have the right to carry on a
little back & forth on this topic. Yes, spammers should die in a pool of
molten lead.

However, please state your opinions as your own, because that's what they
are (just as my opinions are mine & mine alone, & I do not pretend to
speak for anyone else.)

73 & Good DX,

Sean
>
>

```
From -2107875156282095018
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 108228,5690306b65673f6c,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,5690306b65673f6c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,5690306b65673f6c,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,5690306b65673f6c,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,5690306b65673f6c,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f5341,5690306b65673f6c,start
X-Google-Attributes: gidf5341,public
X-Google-Thread: 1009ad,5690306b65673f6c,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: f76e2,5690306b65673f6c,start
X-Google-Attributes: gidf76e2,public
From: "Martyn Allison" <martyn@intecc.co.uk>
Subject: Yupiteru prices Down
Date: 1997/08/14
Message-ID: <33f24189.0@norbert.cerbernet.co.uk>#1/1
X-Deja-AN: 264539289
X-MimeOLE: Produced By Microsoft MimeOLE Engine V4.71.0544.0
Organization: Wisper
Newsgroups: alt.ham-
radio.marketplace,alt.radio.scanner,alt.radio.scanner.uk,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,re
```

c.radio.amateur.swap,rec.radio.scanner,uk.radio.amateur

Our prices of Yupiteru receivers have now been reduced, The popular MVT9000 is less than $500 ....�368 and the MVT 7100 is now �215 ...$290 all of the Yupiteru range are unblocked.

We have just updated our web site so maybe if your looking for that bargain you would be welcome to come and visit us at http://www.multicomm2000.com

Thank you for reading this posting, I hope that by me mentioning a few bargains it has not offended anyone.

Best 73's
Martyn Allison
Multicomm 2000
--
Multicomm 2000 the place to be!!!!

From -3330170095181421933
X-Google-Language: GERMAN,ASCII-7-bit
X-Google-Thread: 108228,dcc88228341ce6d5
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,dcc88228341ce6d5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 103807,dcc88228341ce6d5
X-Google-Attributes: gid103807,public
X-Google-Thread: 103380,dcc88228341ce6d5
X-Google-Attributes: gid103380,public
X-Google-Thread: 101306,dcc88228341ce6d5
X-Google-Attributes: gid101306,public
X-Google-Thread: fb11d,dcc88228341ce6d5
X-Google-Attributes: gidfb11d,public
X-Google-Thread: f8f56,dcc88228341ce6d5
X-Google-Attributes: gidf8f56,public
From: Uwe Krause <dl6mpg@fep.fhg.de>
Subject: Re: PAGEBOY 2 Pieper
Date: 1997/08/15
Message-ID: <33F40D3C.25FF@fep.fhg.de>#1/1
X-Deja-AN: 264832729
References: <N.081497.201601.81@skn2-11.worldaccess.nl>
Organization: News
Newsgroups: alt.ham-radio.marketplace,dds.markt,de.comm.ham,nl.markt,nl.markt.overig,rec.ham-radio,wxs.tekoop

Henk wrote:
>

> TE KOOP GEVRAAGD
>
> Pageboy 2 pieper
>
> Henk Roelfsema
>

Was soll der Schrott hier in dieser Group ?

--

Uwe Krause, DL6MPG
dl6mpg@db0oca.#saa.deu.eu   -   dl6mpg@db0oca.ampr.org
phone : +49(0)35973 281 31 email : dl6mpg@fep.fhg.de
URL : http://graf350.urz.uni-magdeburg.de/~ukrause

From 4875037189581291868
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12e13236fbb811a2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,12e13236fbb811a2,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,12e13236fbb811a2,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,12e13236fbb811a2,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,12e13236fbb811a2,start
X-Google-Attributes: gidfddbf,public
From: Rich Ullery <rich@qcsn.com>
Subject: HTX-100 for sale
Date: 1997/08/17
Message-ID: <5t7g15$orn$1@gte1.gte.net>#1/1
X-Deja-AN: 264811939
X-Priority: 3 (Normal)
Organization: gte.net
X-Auth: 471d548f5047401ad24e8411
Newsgroups: rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.ham-radio,rec.ham-radio.packet

Hello-
 I have a mint (run mobile 2 times) Radio Shack HTX-100 10 meter hf radio.
25 watts out U/L side band and CW. In orig. box with all the orig. contents.
Manual, bracket etc.

$150.00 OBO
Thanks Rich-n7hmb (503) 612-9403

rich@qcsn.com
n7hmb@hamlinks.com
rich@website-creations.com
richardu@gte.net
ok got carried away.
73

From -8361500253395523281
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,26c8b14066f46ca2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,26c8b14066f46ca2
X-Google-Attributes: gid114aac,public
From: "Jerome M. Kutche" <"n9lya@tima.com"@kiva.net>
Subject: I need superfax software???
Date: 1997/08/18
Message-ID: <5takch$ucv$2@gretle.intersource.com>#1/1
X-Deja-AN: 265130554
References: <5pg0b8$732@teaminfinity.com> <jackmor-
ya02408000R0307971525150001@news.iglou.com>
<01bc889b$1a594e20$301796d0@graham.surfsouth.com> <5ptlje$55p$1@missing.link.ca>
<33C1EBF1.2600@ix.netcom.com>
X-Priority: 3 (Normal)
Organization: N9LYA
Reply-To: "n9lya@tima.com"@kiva.net
Newsgroups: rec.radio.shortwave,rec.ham-radio

Hi I need superfax software can someone e-mail me a copy???
Thanks...
Jerry
n9lya@tima.com

From -6737539507305893194
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12e13236fbb811a2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,12e13236fbb811a2
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,12e13236fbb811a2
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fddbf,12e13236fbb811a2
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,12e13236fbb811a2
X-Google-Attributes: gidf76e2,public
From: Chris Sussmann <cmsuss@fullnet.net>
Subject: Re: HTX-100 for sale

Date: 1997/08/19
Message-ID: <33F92359.E5868A2A@fullnet.net>#1/1
X-Deja-AN: 265195449
References: <5t7g15$orn$1@gte1.gte.net>
X-Priority: 3 (Normal)
Reply-To: cmsuss@fullnet.net
X-NNTP-Posting-Host: 206.155.254.97
To: Rich Ullery <rich@qcsn.com>
Organization: Enid Area Packet Users
Newsgroups: rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.ham-radio,rec.ham-radio.packet

Rich Ullery wrote:

> Hello-
> I have a mint (run mobile 2 times) Radio Shack HTX-100 10 meter hf
> radio.
> 25 watts out U/L side band and CW. In orig. box with all the orig.

^^^^^^^^^^^How do you do this? My HTX-100 only does upper.

> contents.
> Manual, bracket etc.
>
> $150.00 OBO
> Thanks Rich-n7hmb (503) 612-9403
> rich@qcsn.com
> n7hmb@hamlinks.com
> rich@website-creations.com
> richardu@gte.net
> ok got carried away.
> 73

--
73 de

Chris * N1UOC
n1uoc.ampr.org 44.78.25.14
N1UOC@N1UOC.#NCOK.OK.USA.NOAM
cmsuss@fullnet.net
http://www.harvestcomm.net/personal/cmsuss/eapu.htm

```
From -5654822479536883123
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12e13236fbb811a2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,12e13236fbb811a2
X-Google-Attributes: gid108122,public
X-Google-Thread: fddbf,12e13236fbb811a2
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,12e13236fbb811a2
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,12e13236fbb811a2
X-Google-Attributes: gid1031c8,public
From: Doug <gavilan1@earthlink.net>
Subject: Re: HTX-100 for sale
Date: 1997/08/19
Message-ID: <33FA2312.2505@earthlink.net>#1/1
X-Deja-AN: 265380742
References: <5t7g15$orn$1@gte1.gte.net> <33F92359.E5868A2A@fullnet.net>
To: cmsuss@fullnet.net
Organization: None
Reply-To: gavilan1@earthlink.net
Newsgroups: rec.ham-
radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.ham-
radio,rec.ham-radio.packet
```

Chris Sussmann wrote:
```
>
> Rich Ullery wrote:
>
> > Hello-
> >  I have a mint (run mobile 2 times) Radio Shack HTX-100 10 meter hf
> > radio.
> > 25 watts out U/L side band and CW. In orig. box with all the orig.
>
>                        ^^^^^^^^^^^How do you do this?  My HTX-100 only
> does upper.
>
> > contents.
> > Manual, bracket etc.
> >
> > $150.00 OBO
> > Thanks Rich-n7hmb (503) 612-9403
> > rich@qcsn.com
> > n7hmb@hamlinks.com
> > rich@website-creations.com
> > richardu@gte.net
> > ok got carried away.
> > 73
>
> --
> 73 de
>
```

> Chris * N1UOC
> n1uoc.ampr.org 44.78.25.14

SNIP

Like he said,

> > ok got carried away.
> > 73

Doug

From 1024635137661170890
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12e13236fbb811a2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,12e13236fbb811a2
X-Google-Attributes: gid108122,public
X-Google-Thread: fddbf,12e13236fbb811a2
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,12e13236fbb811a2
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,12e13236fbb811a2
X-Google-Attributes: gid1031c8,public
From: "Christopher Cox" <cobox@netexp.net>
Subject: Re: HTX-100 for sale
Date: 1997/08/19
Message-ID: <01bcac83$1bc94600$8060b6cd@cbx-nt>#1/1
X-Deja-AN: 267773756
References: <5t7g15$orn$1@gte1.gte.net> <33F92359.E5868A2A@fullnet.net>
Organization: Cobox
Newsgroups: rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.ham-radio,rec.ham-radio.packet

Really, WOW, I was looking for one to work satellites, with a reversing
transponder that would really put a crink in my operations!
--
Christopher Cox
KC8FRJ
TRA#4901

Chris Sussmann <cmsuss@fullnet.net> wrote in article
<33F92359.E5868A2A@fullnet.net>...
> Rich Ullery wrote:
>
> > Hello-
> > I have a mint (run mobile 2 times) Radio Shack HTX-100 10 meter hf
> > radio.
> > 25 watts out U/L side band and CW. In orig. box with all the orig.

```
>
>                       ^^^^^^^^^^^How do you do this?  My HTX-100 only
> does upper.
>
> > contents.
> > Manual, bracket etc.
> >
> > $150.00 OBO
> > Thanks Rich-n7hmb (503) 612-9403
> > rich@qcsn.com
> > n7hmb@hamlinks.com
> > rich@website-creations.com
> > richardu@gte.net
> > ok got carried away.
> > 73
>
>
>
> --
> 73 de
>
>  Chris * N1UOC
>  n1uoc.ampr.org  44.78.25.14
>  N1UOC@N1UOC.#NCOK.OK.USA.NOAM
>  cmsuss@fullnet.net
>  http://www.harvestcomm.net/personal/cmsuss/eapu.htm
>
----------------------------------------------------------------------------
----
>
>
>
>



From 7836702118927736744
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6cfda4f728a1d7b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,c6cfda4f728a1d7b,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 115730,c6cfda4f728a1d7b,start
X-Google-Attributes: gid115730,public
X-Google-Thread: 1031c8,c6cfda4f728a1d7b,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fd33a,c6cfda4f728a1d7b,start
X-Google-Attributes: gidfd33a,public
X-Google-Thread: fa656,c6cfda4f728a1d7b,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,c6cfda4f728a1d7b,start
X-Google-Attributes: gidf76e2,public
From: "Phil Koehring" <pkoehring@acs.com>
```

```
Subject: FS: Boonton 8201 Modulation Analyzer
Date: 1997/08/19
Message-ID: <01bcace5$a28eff60$49a7bccc@pkoehring.acs.com>#1/1
X-Deja-AN: 268050599
Organization: ACS Wireless, Inc.
Reply-To: "Phil Koehring" <pkoehringNOSPAM@acs.com>
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap,sc
i.electronics.equipment,sci.engr.electrical.compliance


Boonton 8201 for sale.
$5,500
Any required packing or shipping NOT included.

Specs and photo at Boonton's web page:
http://www.boonton.com/modulation.html

Located in Scotts Valley, CA (Northern CA near San Jose) and
available for inspection M-F 10-5.

Contact me directly:
Philip Koehring  KF6EYO
ACS Wireless, Inc.
10 Victor Square
Scotts Valley, CA 95066
Tel: 408-438-3883 x3466
Fax: 408-438-7730
email: pkoehring@acs.com




From -4642250120660848990
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6d888507e01715c4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,6d888507e01715c4,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,6d888507e01715c4,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,6d888507e01715c4,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,6d888507e01715c4,start
X-Google-Attributes: gid1031c8,public
From: "Charles Francer" <francer@gis.net>
Subject: FS: Daiwa SWR Power Meter
Date: 1997/08/20
Message-ID: <01bcad07$a1797840$ce80dad0@default>#1/1
X-Deja-AN: 265816385
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap
```

FOR SALE - Daiwa compact SWR Poer Meter Model Number CN-520.
Range 1.8-60MHz. Power 50 ohms - 2kW. Matching Needles on face to read
Forward and Reflected power and precise SWR.
Price $60 plus a few bucks for shipping.

Charles Francer, N1RPD
francer@gis.net

```
From 704449456503333786
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3bdc0fe4be31fc0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f7653,a3bdc0fe4be31fc0,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: f463d,a3bdc0fe4be31fc0,start
X-Google-Attributes: gidf463d,public
From: lmarsgo@ix.netcom.com(LEONARD MARSHALL)
Subject: Job Opening - Los Angeles - Inside tech support desk-video products
Date: 1997/08/20
Message-ID: <5te6cc$g5p@dfw-ixnews6.ix.netcom.com>#1/1
X-Deja-AN: 268171275
Organization: Netcom
X-NETCOM-Date: Wed Aug 20  2:29:16 AM CDT 1997
Newsgroups: rec.radio.amateur.digital.misc,rec.ham-
radio,sci.engr.television.broadcast
```

Marshall Electronics, Culver City, CA requires inside technical support
for for video cameras, monitors,LCD panels,lens, and cables. Work with
engineers, installers and designers asking questions about companies
products.
 See web site for products to work with. http://www.mars-cam.com

Fax resume to: 310-836-5327

```
From -629953920354897754
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 106d41,2034c29d04438781,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 114aac,2034c29d04438781,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,2034c29d04438781,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,2034c29d04438781,start
X-Google-Attributes: gid1009ad,public
```

X-Google-Thread: f76e2,2034c29d04438781,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa029,2034c29d04438781,start
X-Google-Attributes: gidfa029,public
From: "mansonia" <mansonia@REMOVEgte.net>
Subject: FS: Realistic DX-380 portable receiver
Date: 1997/08/22
Message-ID: <5tk1ip$mjh$1@gte2.gte.net>#1/1
X-Deja-AN: 267903386
Organization: gte.net
X-Auth: d81585c2861e4d8c4a480491
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.ham-radio.swap,rec.radio.cb,rec.radio.scanner,rec.radio.shortwave

For Sale... Realistic DX-380 Portable Receiver

AM 530-1710 kHz
LW 150-519 kHz
FM 88-108 MHz
SW 1.711-29.999 MHz

includes nice carrying case...

$75 shipped

remove "REMOVE" to reply

From -3863290541259199288
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,236e7ad11f8acad9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115af6,236e7ad11f8acad9,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 1109af,236e7ad11f8acad9,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa029,236e7ad11f8acad9,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: f76e2,236e7ad11f8acad9,start
X-Google-Attributes: gidf76e2,public
From: "SDH" <sdharris@gate.net>
Subject: FS: Yaesu FT530 dual band HT   !!
Date: 1997/08/24
Message-ID: <5tqr3i$135k$1@news.gate.net>#1/1
X-Deja-AN: 268427248
X-MimeOle: Produced By Microsoft MimeOLE Engine V4.71.1008.3
Organization: CyberGate, Inc.
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.scanner,rec.radio.swap

FT530 with brand new NiMH 12v (5W) batt, original manual and box. About 1.5 years old in good condition. Mod done will TX

118mhz - 174mhz
430Mhz - 470Mhz
will recieve 800mhz and (cellular) RX range is:
116mhz-174Mhz AM and FM modes
380Mhz- 512Mhz
800Mhz- 960Mhz
This is a true dual bander and will crossband repeat and do dual inband recieve! four power out levels .5W, 1.5W, 2.5W, 5W

$290+shipping and COD

sdharris

```
From -5161834559714645873
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8510d950c18b59a4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,8510d950c18b59a4,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 148a9f,8510d950c18b59a4,start
X-Google-Attributes: gid148a9f,public
X-Google-Thread: fddbf,8510d950c18b59a4,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 1109af,8510d950c18b59a4,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,8510d950c18b59a4,start
X-Google-Attributes: gidf76e2,public
From: Rich Ullery N7HMB <rich@NOSPAMqcsn.com>
Subject: 10 Meter Mobile
Date: 1997/08/25
Message-ID: <5tstfi$55n$1@gte1.gte.net>#1/1
X-Deja-AN: 268478910
X-Priority: 3 (Normal)
Organization: QCSNet
X-Auth: 471d101c871b4040154e0411
Newsgroups: rec.radio.amateur.equipment,rec.radio.swap,rec.radio.packet,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
```

Hello-
I have for sale a Radio Shack HTX-100 10 meter mobile, 25 watts in mint condition. Been Mobile twice, with the bracket, mic, instructions,
service manual in the orig. box.
Does Upper sideband and CW.

$150 OBO but for the complete amount I will ship FedEx upon recieveing a M/O

please remove the nospam from the email above or mail me at n7hmb@hamlinks.com

Rich Ullery N7HMB (503) 612-9403

From 1962441594680369871
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b61b50f663f394d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ddf1,2b61b50f663f394d,start
X-Google-Attributes: gid10ddf1,public
X-Google-Thread: f64c6,2b61b50f663f394d,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 114671,2b61b50f663f394d,start
X-Google-Attributes: gid114671,public
X-Google-Thread: f7653,2b61b50f663f394d,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: f68a8,2b61b50f663f394d,start
X-Google-Attributes: gidf68a8,public
From: massimom@ThePentagon.com (Max)
Subject: Ct17 and Icom transceiver controlled by a pc
Date: 1997/08/25
Message-ID: <34045c20.2431955@news.tin.it>#1/1
X-Deja-AN: 268506081
Organization: Telecom Italia - Video On Line
Newsgroups: rec.ham-radio,relcom.radio.ham,aus.radio.amateur.digital,aus.radio.amateur.misc,rec.radio.amateur.digital.misc,uk.radio.amateur

i have to make a program to control my icom transceiver with my pc

i have also a ct 17 interface unit, but i have not any specification of this unit (address port, what is the way to connect radio with pc by software ecc.)

might someome help me sending some information or to find specification and right to make a good software to connect my pc to icom transceiver with ct-17 ?

thanks in advance , max

From -6464528625790850092
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1213eff7ed092cdf,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,1213eff7ed092cdf,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,1213eff7ed092cdf,start
X-Google-Attributes: gid1109af,public
From: David Dropp <ddropp@execpc.com>
Subject: FS UHF GE Ranger
Date: 1997/08/27
Message-ID: <3404BA3F.CAECD2@execpc.com>#1/1
X-Deja-AN: 268669510
X-Priority: 3 (Normal)
Organization: Exec-PC BBS Internet - Milwaukee, WI
Newsgroups:
rec.radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc.,rec.ham-radio

I have for sale a GE UHF 35 Watt Ranger 403-512 Mhz band split radio
with the following accessories:
GE S-990 Control Head
Radio Mounting Bracket With Lock
Mic
Speaker
New Control Cable
Ranger Maintenance Manual
GE S-990 Manual
Complete package 300.00 shipped to your door

From -1085368360508189040
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,83b0f30eab2b9720,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,83b0f30eab2b9720,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,83b0f30eab2b9720,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1284e4,83b0f30eab2b9720,start
X-Google-Attributes: gid1284e4,public
From: David Dropp <ddropp@execpc.com>
Subject: FS Kenwood MC-85
Date: 1997/08/27
Message-ID: <3404B76F.1425779C@execpc.com>#1/1
X-Deja-AN: 268687742
X-Priority: 3 (Normal)
Organization: Exec-PC BBS Internet - Milwaukee, WI
Newsgroups: rec.radio.swap,rec.ham-radio,rec.radio.amateur.misc,rec.radio.amatur.equipment

```
--------------32135F8276C072073879B45F
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have for sale a Kenwood MC-85 desk Mic.in absolute mint condition.
Comes complete with an extra cable, box,manual and shipping  to you door
for 95.00 . If you have any questions please feel free to e-mail 73's
Dave N9LXP

--------------32135F8276C072073879B45F
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<HTML>
I have for sale a Kenwood MC-85 desk Mic.in absolute mint condition. Comes
complete with an extra cable, box,manual and shipping&nbsp; to you door
for<FONT COLOR="#FF0000"> 95.00 </FONT>. If you have any questions please
feel free to e-mail 73's Dave N9LXP</HTML>

--------------32135F8276C072073879B45F--




From 1930769929166482069
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1213eff7ed092cdf
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,1213eff7ed092cdf
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,1213eff7ed092cdf
X-Google-Attributes: gid1109af,public
From: mikegb@erols.com
Subject: Re: FS UHF GE Ranger
Date: 1997/08/28
Message-ID: <340553E6.16EA@erols.com>#1/1
X-Deja-AN: 268722666
References: <3404BA3F.CAECD2@execpc.com>
Organization: Erol's Internet Services
X-Received-On: 28 Aug 1997 07:32:39 GMT
Newsgroups:
rec.radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc.,rec.ham-radio


What split is this radio on? It doesn't cover 403-512 MHz!


David Dropp wrote:
>
> I have for sale a GE UHF 35 Watt Ranger 403-512 Mhz band split radio
```

> with the following accessories:
> GE S-990 Control Head
> Radio Mounting Bracket With Lock
> Mic
> Speaker
> New Control Cable
> Ranger Maintenance Manual
> GE S-990 Manual
> Complete package 300.00 shipped to your door

From 1933173592640251222
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c292675a059bf48,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,1c292675a059bf48,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1131b0,1c292675a059bf48,start
X-Google-Attributes: gid1131b0,public
X-Google-Thread: 1118be,1c292675a059bf48,start
X-Google-Attributes: gid1118be,public
X-Google-Thread: fc2a5,1c292675a059bf48,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f76e2,1c292675a059bf48,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc8b1,1c292675a059bf48,start
X-Google-Attributes: gidfc8b1,public
From: gwilljo@cwo.com (Greg (KB6WKW))
Subject: Help Identify Diodes
Date: 1997/08/30
Message-ID: <5u88ot$gh8$1@bigdog.eli.net>#1/1
X-Deja-AN: 269034225
Organization: Systems Research
Newsgroups:
sci.electronics.components,sci.electronics.repair,rec.radio.amateur.boatanchors,rec.radio.amateur.homebrew,rec.ham-radio,rec.radio.amateur.equipment,rec.ham-radio.swap

Salvaged the following diodes with associated markings, but can't find specs:

HI Q CK72AX 102M

FRIE CK80AW 102M 1000

M MR2901S 7426

IN3209 SI 7412

IR X5M4

Can anyone identify or give me specs i.e. Hi current, UHF.

Have old 1956 ARRL but they are not listed there either.

Thanks
Greg KB6WKW

From -5271885102127746774
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b61b50f663f394d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ddf1,2b61b50f663f394d
X-Google-Attributes: gid10ddf1,public
X-Google-Thread: 114671,2b61b50f663f394d
X-Google-Attributes: gid114671,public
X-Google-Thread: f64c6,2b61b50f663f394d
X-Google-Attributes: gidf64c6,public
X-Google-Thread: f7653,2b61b50f663f394d
X-Google-Attributes: gidf7653,public
X-Google-Thread: f68a8,2b61b50f663f394d
X-Google-Attributes: gidf68a8,public
From: Christoph <cech@iml.fhg.de>
Subject: Re: Ct17 and Icom transceiver controlled by a pc
Date: 1997/09/01
Message-ID: <340AFC56.65B9@iml.fhg.de>#1/1
X-Deja-AN: 269368848
References: <34045c20.2431955@news.tin.it>
Organization: Fraunhofer Institut
Reply-To: cech@iml.fhg.de
Newsgroups: rec.ham-radio,relcom.radio.ham,aus.radio.amateur.digital,aus.radio.amateur.misc,rec.radio.amateur.digital.misc,uk.radio.amateur

Max wrote:

> i have also a ct 17 interface unit, but i have not any specification
> of this unit (address port, what is the way to connect radio with pc
> by software ecc.)
>
> might someome help me sending some information or to find
> specification and right to make a good software to connect my pc to
> icom transceiver with ct-17 ?

Hello Max
Go to this URL http://www.optoelectronics.com/utility.htm
and download the APPNOTES.EXE (APPNOTES.ZIP).
In this Documentatition is a declination about the Icom CI-V
Protocoll.

I dont use the ct 17 but a MAX 232 TTL Level changer chip.
He do the same work like the ct 17 (there is a MAX 232 in it)
he change the TTL level from CI-V to the serial port RS232, and
back from the other direction too.

With the ct 17 there is nothing to program!
But with the Icom Radio you have to program the target
adress (setting by jumpers in the Radio or by frontpanel, different
by any radio. I use an IC-R10, I can use the dial to set the Adress)

Then you can program the frequency in HEX, the Mode, the squelch
the s-meter and so on.
The Data Packet to send look like this: (This is only an example.)

```
    FE FE 50 50 15 02 FD
    ^^ ^^ ^^ ^^  |  |  |
   Start  Adress |  |  |
             Comand |  |
                S-meter|
                      end

    FE FE <adress> <adress> <comand> <Data input,QRG,Mode,etc.> FD
```

In the Appnotes text you will find the whole Commands.
On this URL you will find another little Program named CI-5.exe
with this program you can test this Data packets by typing it at
the prompt. When it allright the Radio answers back to the Prompt
and change the QRG or give the S-meter back(or read the memories).

All what you need to program is a HEX code table to change the
keyboard input from dezimal to HEX and the knowledge of the
Data Packet design connected with the commands.

But the ct 17 is nothing than a "stupid" transformator from your
Serial Computer interface to the "intelligent" CI-V connection at
the radio.
I am just started with this CI-V an my MAX 232 an the IC-R10, so
I dont know all of this. But I think you will be satisfied with
the Appnotes.txt from Optoelectronics, this includes all what you
need. With this stuff I started also and get it well.

Tell me when you are get sucsess with your program, please.
I will tell you when I found out more.

73 and.....

```
--
   __ Schoene Gruesse von          Christoph  Cech (DG1DAC)
  /   /  _  . _  _/ _   _   /      Fraunhofer Institut fuer
  \__/)_/(_/_/_)_/_(_)_/_)_/)      Materialfluss und Logistik
 _____________________/______      e-mail     cech@iml.fhg.de
```

From -2861370741095196964
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c292675a059bf48
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1131b0,1c292675a059bf48
X-Google-Attributes: gid1131b0,public
X-Google-Thread: 1118be,1c292675a059bf48
X-Google-Attributes: gid1118be,public
X-Google-Thread: f76e2,1c292675a059bf48
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc2a5,1c292675a059bf48
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fc8b1,1c292675a059bf48
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 108122,1c292675a059bf48
X-Google-Attributes: gid108122,public
From: "Gary I. Robin" <k9hdu@webspun.com>
Subject: Re: Help Identify Diodes
Date: 1997/09/02
Message-ID: <340CBB32.511E@webspun.com>#1/1
X-Deja-AN: 269626134
References: <5u88ot$gh8$1@bigdog.eli.net>
Organization: All USENET -- http://www.Supernews.com
Reply-To: k9hdu@webspun.com
Newsgroups: sci.electronics.components,sci.electronics.repair,rec.radio.amateur.boatanchors,rec.radio.amateur.homebrew,rec.ham-radio,rec.radio.amateur.equipment,rec.ham-radio.swap

Greg (KB6WKW) wrote:
>
> Salvaged the following diodes with associated markings, but can't find
> specs:
>
> HI Q CK72AX 102M
>
> FRIE CK80AW 102M 1000
>
> M MR2901S 7426
>
> IN3209 SI 7412
>
> IR X5M4
>
> Can anyone identify or give me specs i.e. Hi current, UHF.
>
> Have old 1956 ARRL but they are not listed there either.
>
> Thanks
> Greg KB6WKW
Hi Greg:

I think the first two might be capacitors. The values being 102X10^-6. The second unit having a 1KV rating. The manufacturer is likely ERIE (not frie).

MR usually indicates Motorola Rectifier. "M" is the Motorola symbol. The 7426 and 7412 are date codes interpreted as 26th week in 1974 and 12th week in 1974.

IR was International Rectifier. The X5M4 is likely a proprietary designation.

I hope I'm not a source of too much confusion for you, Greg.

73,

Gary, K9HDU

From 7647113742043961510
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c292675a059bf48
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,1c292675a059bf48
X-Google-Attributes: gid108122,public
X-Google-Thread: fc2a5,1c292675a059bf48
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 1118be,1c292675a059bf48
X-Google-Attributes: gid1118be,public
X-Google-Thread: 1131b0,1c292675a059bf48
X-Google-Attributes: gid1131b0,public
X-Google-Thread: f76e2,1c292675a059bf48
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc8b1,1c292675a059bf48
X-Google-Attributes: gidfc8b1,public
From: mzenier@netcom.com (Mark Zenier)
Subject: Re: Help Identify Diodes
Date: 1997/09/03
Message-ID: <mzenierEFzrL2.45L@netcom.com>#1/1
X-Deja-AN: 269859726
Sender: mzenier@netcom10.netcom.com
References: <5u88ot$gh8$1@bigdog.eli.net> <340CBB32.511E@webspun.com>
Organization: Netcom On-Line Services
Newsgroups: sci.electronics.components,sci.electronics.repair,rec.radio.amateur.boatanchors,rec.radio.amateur.homebrew,rec.ham-radio,rec.radio.amateur.equipment,rec.ham-radio.swap

In article <340CBB32.511E@webspun.com>,
Gary I. Robin <k9hdu@webspun.com> wrote:
>Greg (KB6WKW) wrote:

>> Salvaged the following diodes with associated markings, but can't find
...
>> FRIE CK80AW 102M 1000
...
>I think the first two might be capacitors. The values being 102X10^-6.
>The second unit having a 1KV rating. The manufacturer is likely ERIE
>(not frie).

Erie also made semiconductors back in the 60's-70's, but I couldn't
find this one on their pages in some old catalogs of that vintage.
(So did a lot of companies that don't seem to exist any more like
Hoffman, and Sakes-Tarzian).

Mark Zenier mzenier@eskimo.com mzenier@netcom.com

From 547977780906115613
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20c894993c01bdd1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,20c894993c01bdd1,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,20c894993c01bdd1,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1109af,20c894993c01bdd1,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,20c894993c01bdd1,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fc2a5,20c894993c01bdd1,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f76e2,20c894993c01bdd1,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc8b1,20c894993c01bdd1,start
X-Google-Attributes: gidfc8b1,public
From: gwilljo@cwo.com (Greg (KB6WKW))
Subject: FS:Gonset G-66 Receiver, G-77 Transmitter and Power Supply Modulator
Date: 1997/09/04
Message-ID: <5umple$8mk$1@bigdog.eli.net>#1/1
X-Deja-AN: 269864793
Organization: Systems Research
Newsgroups: rec.radio.amateur.boatanchors,rec.radio.amateur.homebrew,rec.ham-radio,rec.radio.amateur,rec.radio.swap,rec.radio.amateur.swap,rec.radio.amateur.equipment,rec.ham-radio.swap

G66, g77 and Power Supply Modulator. Set up for AC operation.
Also manuals and schematics (from Hi-Manuals)
Set works on AC, transmitter loads up into antenna.

Missing microphone. NO MICROPHONE OFFERED AS PART OF SALE.

Would prefer you pickup but will ship.
Shipping weight is 80 pounds from zip 95822
$225.00 plus shipping.

Greg
KB6WKW

From -1085957722674515063
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c11afb880ca4930,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,1c11afb880ca4930,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,1c11afb880ca4930,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,1c11afb880ca4930,start
X-Google-Attributes: gidf76e2,public
From: W W Enterprises <risd@flash.net>
Subject: ***FS Complete Station
Date: 1997/09/06
Message-ID: <341211BA.5252@flash.net>#1/1
X-Deja-AN: 270382364
Reply-To: risd@flash.net
Organization: Flashnet Communications, http://www.flash.net
Newsgroups: rec.radio.swap,rec.ham-radio.swap,rec.ham-radio,rec.radio.amateur.equipment

I have several items for sale for the widow of a friend. Please contact me if you are interested in any item or the entire package. I prefer to sell as a package. All items have manuals but no original boxes. All items are clean and in good condition. I will refund your money on anything you buy and are not happy with. The shipping will be yours. All prices are plus shipping. If you think the price is too high, make me and offer, but don't wait too long or bid too low. This is all good gear and someone will pick up a bargain. I am going to do something this next week or so.

Kenwood TS-430S HF rig	$500
MJF 989B 3 KW tuner	$175
Trip Lite 40 Amp Power Supply	$100
Kenwood 241A 2 meter rig	$190

There are also filters, straight key, headset, speakers, short coax cables with ends, and some junk box materials. I want to sell all of it.

From 4507670160987537755
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fbf895803c877297,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,fbf895803c877297,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,fbf895803c877297,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,fbf895803c877297,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,fbf895803c877297,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,fbf895803c877297,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,fbf895803c877297,start
X-Google-Attributes: gid107ada,public
From: "Charles Francer" <francer@gis.net>
Subject: FS: Antenna Tuner
Date: 1997/09/09
Message-ID: <01bcbd78$de9408e0$cd80dad0@default>#1/1
X-Deja-AN: 271100400
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

I am selling a Dentron Radio Company Model - JR Moniter antenna tuner in good condition. Contains Transmitter Match, Antenna Match controls and RF OUT meter. Handles single wire or balanced feed antenna. $40.00 plus a few sheckles for shipping. Thankyou for taking the time to read my posting

Charles Francer, N1RPD
francer@gis.net

From 2486175625420433068
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,68a853adf7a564ac,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,68a853adf7a564ac,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1109af,68a853adf7a564ac,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108122,68a853adf7a564ac,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,68a853adf7a564ac,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,68a853adf7a564ac,start

X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,68a853adf7a564ac,start
X-Google-Attributes: gid1031c8,public
From: "Charles Francer" <francer@gis.net>
Subject: FS:DRAKE SW-8 Receiver - MINT Cond.
Date: 1997/09/09
Message-ID: <01bcbd77$0277e120$cd80dad0@default>#1/1
X-Deja-AN: 271114765
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

THIS MESSAGE POSTED FOR KA1DPW - RESPOND TO HIM BY E-MAIL: KA1DPW@EROLS.COM

For Sale: Drake SW-8 porta-top shortwave receiver in new condition. Comes with AC adapter and manual. Also works on "D" cells. Covers all of HF plus VHF Air and FM band in sterio. Has 3 selectable bandwidths, selectable sidebands, synch detector.

Barely had time to use. $600 plus shipping. <ka1dpw@erols.com>

From -6438602311064074465
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fd1921940279bd7e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,fd1921940279bd7e,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,fd1921940279bd7e,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,fd1921940279bd7e,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,fd1921940279bd7e,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1031c8,fd1921940279bd7e,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,fd1921940279bd7e,start
X-Google-Attributes: gidfa656,public
From: "Charles Francer" <francer@gis.net>
Subject: FS: Power Supply & Shure Microphone
Date: 1997/09/09
Message-ID: <01bcbd78$0bd89600$cd80dad0@default>#1/1
X-Deja-AN: 271196927
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

FOR SALE: PYRAMID GOLD SERIES POWER SUPPLY - DUAL METERS MODEL PS-26K
$75.00 +Shipping

SHURE Prologue Microphone Model 6L-B NEW COND IN BOX WITH papers. $85.00+ Shipping

ORDERS MUST BE PREPAID OR COD

Charles Francer <francer@gis.net>
N1RPD

From -305916731230421216
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fd1921940279bd7e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,fd1921940279bd7e
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,fd1921940279bd7e
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,fd1921940279bd7e
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,fd1921940279bd7e
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,fd1921940279bd7e
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,fd1921940279bd7e
X-Google-Attributes: gid1031c8,public
From: Chuck Berry <cberry@aloha.intel.com>
Subject: Re: FS: Power Supply & Shure Microphone
Date: 1997/09/09
Message-ID: <341632FC.5443@aloha.intel.com>#1/1
X-Deja-AN: 271215855
References: <01bcbd78$0bd89600$cd80dad0@default>
Organization: Intel Corporation
Reply-To: cberry@aloha.intel.com, cberry@efn.org
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

Charles Francer wrote:
>
> FOR SALE: PYRAMID GOLD SERIES POWER SUPPLY - DUAL METERS MODEL PS-26K
> $75.00 +Shipping
>
> <snip>
>
> ORDERS MUST BE PREPAID OR COD
>

> Charles Francer <francer@gis.net>
> N1RPD

What is the current limit for this PS?

Chuck Berry
n7chs

From -5825966503467789002
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1aa74ca64f082bb7,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,1aa74ca64f082bb7,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,1aa74ca64f082bb7,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,1aa74ca64f082bb7,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,1aa74ca64f082bb7,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,1aa74ca64f082bb7,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,1aa74ca64f082bb7,start
X-Google-Attributes: gidf76e2,public
From: "Charles Francer" <francer@gis.net>
Subject: FS: DAIWA CN-520 PWR Meter
Date: 1997/09/09
Message-ID: <01bcbd78$7df896e0$cd80dad0@default>#1/1
X-Deja-AN: 271220868
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

FOR SALE - Daiwa compact SWR Power Meter Model Number CN-520.
Features aRange 1.8-60MHz. Power 50 ohms - 2kW. Matching Needles on face to read
Forward and Reflected power and precise SWR.
Price $60 plus a few bucks for shipping.

Charles Francer, N1RPD
francer@gis.net

From 3747588304791002297
X-Google-Language: DUTCH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc65bbd5a0605cf6,start
X-Google-Attributes: gid10c9e3,public

```
X-Google-Thread: fe150,fc65bbd5a0605cf6,start
X-Google-Attributes: gidfe150,public
From: "p.van haarlem" <p.haarlem@pi.net>
Subject: software voor de condor 16
Date: 1997/09/10
Message-ID: <34173183.1AAA@pi.net>#1/1
X-Deja-AN: 271317693
Organization: Planet Internet
Newsgroups: rec.ham-radio,nl.radio.scanners



hallo,
Wie heeft er software voor de condor 16 mobilofoon.
alles is welkom
dus ook info over ombouwsetjes/basisposten en dergelijke
weet of heb je iets mail me dan.

----------------------------------------------
voor vragen en opmerkingen kun u mailen naar:
E-mail:   p.haarlem@pi.net
Packet:   tl3pat@gm3bbs (cb-band)
homepage: http://home.pi.net/~phaarlem
----------------------------------------------



From -2917906699301163599
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fd1921940279bd7e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,fd1921940279bd7e
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,fd1921940279bd7e
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,fd1921940279bd7e
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,fd1921940279bd7e
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,fd1921940279bd7e
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,fd1921940279bd7e
X-Google-Attributes: gid1031c8,public
From: "Peldor Floxmire" <username@wavetech.net>
Subject: Re: FS: Power Supply & Shure Microphone
Date: 1997/09/10
Message-ID: <01bcbdff$c1eee3e0$629192ce@default>#1/1
X-Deja-AN: 271324992
References: <01bcbd78$0bd89600$cd80dad0@default> <341632FC.5443@aloha.intel.com>
Organization: Minnesota WaveTech, Inc.
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,re
c.radio.amateur.swap,rec.radio.swap
```

Chuck Berry <cberry@aloha.intel.com> wrote in article
<341632FC.5443@aloha.intel.com>...
> Charles Francer wrote:
> > Charles Francer <francer@gis.net>
> > N1RPD
> What is the current limit for this PS?
The current limit is the same as the previous limit and hopefully the future limit.

From -7297821899608838856
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b2f2d06e12c862d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105955,2b2f2d06e12c862d,start
X-Google-Attributes: gid105955,public
X-Google-Thread: 104ad1,2b2f2d06e12c862d,start
X-Google-Attributes: gid104ad1,public
X-Google-Thread: 159363,2b2f2d06e12c862d,start
X-Google-Attributes: gid159363,public
From: "David KB5YLG" <kb5ylg@why.net>
Subject: Skywarn School in North Texas
Date: 1997/09/11
Message-ID: <01bcbe51$ded487b0$35703cd1@KB5YLG>#1/1
X-Deja-AN: 271467795
Newsgroups: att.ham-radio,dfw.general,fidonet.ham,rec.ham-radio

Skywarn School, Sept 17, 7pm-10pm at BJ Clark Center by Public Library in City of Azle, 1/4 mile west along service road from Denver Trail exit of hwy 199. Open to emergency workers, licensed radio operators, and those wanting to get licensed.
instructor is Jim Stefkovich from National Weather Service.

From -22395558652513316
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8a3f6c094955d35c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,8a3f6c094955d35c,start
X-Google-Attributes: gidfc2a5,public
From: bry@REMOVE.mnsinc.com (Bry)
Subject: Re: Any sources for a HF transceiver kit?
Date: 1997/09/12
Message-ID: <3419b87b.8141532@news1.mnsinc.com>#1/1
X-Deja-AN: 272022857

Distribution: inet
References: <34173F81.446B@engr.sgi.com>
Organization: CAUCE.ORG
Reply-To: bry@REMOVE.mnsinc.com
Newsgroups: rec.ham-radio,rec.radio.amateur.homebrew

On Wed, 10 Sep 1997 17:46:57 -0700, Ashok Srinivasan
<ashoks@engr.sgi.com> wrote:

>Since Heathkit's demise, is anyone still making these? Should I
>be looking in flea markets? I need to get a high quality kit
>that has all parts and reasonable techinical support.

There are a LARGE number of kit makers filling the gap these days,
including good old TEN TEC in Tennessee!

You can get a Free, HUGE list of KIT suppliers at:

http://www.mnsinc.com/bry/mega/megakits.htm

ENJOY!

(remove the word REMOVE from my e-mail address to respond!)

From -7680760991652618363
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8a3f6c094955d35c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,8a3f6c094955d35c
X-Google-Attributes: gidfc2a5,public
From: Simon Lewis <pacsat@pacsat.demon.co.uk>
Subject: Re: Any sources for a HF transceiver kit?
Date: 1997/09/13
Message-ID: <PPOT$DAsIlG0EwJm@pacsat.demon.co.uk>#1/1
X-Deja-AN: 272167290
Distribution: inet
X-NNTP-Posting-Host: pacsat.demon.co.uk [158.152.124.80]
References: <34173F81.446B@engr.sgi.com> <3419b87b.8141532@news1.mnsinc.com>
Organization: European Microwave News
Newsgroups: rec.ham-radio,rec.radio.amateur.homebrew

In article <3419b87b.8141532@news1.mnsinc.com>, Bry
<bry@REMOVE.mnsinc.com> writes
>
>On Wed, 10 Sep 1997 17:46:57 -0700, Ashok Srinivasan
><ashoks@engr.sgi.com> wrote:
>
>>Since Heathkit's demise, is anyone still making these? Should I
>>be looking in flea markets? I need to get a high quality kit

>>that has all parts and reasonable techinical support.
>
>There are a LARGE number of kit makers filling the gap these days,
>including good old TEN TEC in Tennessee!
>
>You can get a Free, HUGE list of KIT suppliers at:
>
>http://www.mnsinc.com/bry/mega/megakits.htm
>
>ENJOY!
>
>(remove the word REMOVE from my e-mail address to respond!)

Try Hands Electronics from the link on my webpage, and also Ramsey
electronics (I found them by a doing a websearch)

Good Luck!

73 Simon GM4PLM
```
+---------------------------------------------------------------------+
|              Simon Lewis GM4PLM     Editor - EMN                    |
| European Microwave News - Supporting Microwave Radio Across Europe |
|  Homepage - www.pacsat.demon.co.uk   Email emn@pacsat.demon.co.uk  |
+---------------------------------------------------------------------+
```

From 5212232214242840614
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fc734,bda18663b80c5723,start
X-Google-Attributes: gidfc734,public
X-Google-Thread: 10c9e3,bda18663b80c5723,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10a476,bda18663b80c5723,start
X-Google-Attributes: gid10a476,public
X-Google-Thread: 100d56,bda18663b80c5723,start
X-Google-Attributes: gid100d56,public
X-Google-Thread: fdbb7,bda18663b80c5723,start
X-Google-Attributes: gidfdbb7,public
X-Google-Thread: 10f32b,bda18663b80c5723,start
X-Google-Attributes: gid10f32b,public
X-Google-Thread: 108778,bda18663b80c5723,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 1000bf,bda18663b80c5723,start
X-Google-Attributes: gid1000bf,public
From: "Mark Florczak" <florczak@voicenet.com>
Subject: FS Pristine Condition Kenwood TS-940S with accessories.
Date: 1997/09/14
Message-ID: <01bcc12d$7d344d40$437167cf@florczak>#1/1
X-Deja-AN: 272418275
Organization: Preferred Company
Newsgroups: alt.ham-radio.slowscan,alt.ham-

radio.ssb,alt.radio.amateur,alt.radio.amateur.club,alt.radio.amateur.club.clarc,alt.radio.amateur.club.taparc,alt.radio.digital,rec.ham-radio,rec.radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur

For Sale: Pristine Condition Kenwood TS-940S
and accessories.

For sale for only $1000.00, including items listed below,
(includes a number of upgrades and accessories). One
Price for all, I'm not splitting it up!

It is 11 or 12 years old and was never used to transmit,
(because I never upgraded from my Tech. Class license).
It makes for a great short wave receiver too.

The TS-940S includes the following upgrades/accessories built in:
  Auto Tuner,
  SO-1 Temperature Compensated Crystal Osc, (Master Oscillator),
  YG-455CN-1 CW Crystal Filter,
  YK-88A-1 AM Crystal Filter,
  YK-88C-1 CW Crystal Filter,
  IF-10B Interface Kit, (Computer Control Interface),

AND IT ALSO INCLUDES the following upgrades/accessories (External):
  IF-232C Interface, (Computer Control Interface, level translator),
  MC-60A Base Station Microphone,
  SW-200 Main Station SWR/Power Meter and
  SWC-1 Inline Module, 1.8 to 150MHz, and
  SWC-2 Inline Module, 140 to 450 MHz

I'm located in West Chester, Pennsylvania, and can be reached via Email at
the following address: florczak@voicenet.com

Mark

From 1951608748256585512
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,78473d0d1bd464f2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,78473d0d1bd464f2,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,78473d0d1bd464f2,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1009ad,78473d0d1bd464f2,start
X-Google-Attributes: gid1009ad,public
From: "SH" <XXtracker@gate.net>
Subject: WTB: Optoelectronics Cub   !!!!!!!!!!!!!!!
Date: 1997/09/15
Message-ID: <5vk73i$l16$1@news.gate.net>#1/1

X-Deja-AN: 272762870
X-MimeOle: Produced By Microsoft MimeOLE Engine V4.71.1008.3
Organization: CyberGate, Inc.
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap

If you have a Cub for sale please let me know your asking price. Thanks

tracker@gate.net

Important************************

please remove X's from e-mail
address before responding.

****

From -543861242492809370
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f557d,7f08b279426e17c1,start
X-Google-Attributes: gidf557d,public
X-Google-Thread: 10c9e3,7f08b279426e17c1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ec6f,7f08b279426e17c1,start
X-Google-Attributes: gid10ec6f,public
X-Google-Thread: 109c36,7f08b279426e17c1,start
X-Google-Attributes: gid109c36,public
X-Google-Thread: f48fa,7f08b279426e17c1,start
X-Google-Attributes: gidf48fa,public
X-Google-Thread: f562f,7f08b279426e17c1,start
X-Google-Attributes: gidf562f,public
X-Google-Thread: 10c2ee,7f08b279426e17c1,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fddbf,7f08b279426e17c1,start
X-Google-Attributes: gidfddbf,public
From: "keee.com" <Josh@keee.com.spam-guard>
Subject: WEB RADIO IS HERE
Date: 1997/09/16
Message-ID: <01bcc281$371abc40$11f8c8d0@wuss>#1/1
X-Deja-AN: 272932464
Organization: All USENET -- http://www.Supernews.com
Newsgroups: in.ham-radio,nlnet.media.radio,no.alt.radio-tv.irma-1000,no.radio-tv,pl.rec.radio.amatorskie,rec.antiques.radio+phono,rec.ham-radio,rec.ham-radio.packet,rec.ham-

radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchor

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I play the best variety of music found anywhere on the net or off....and
it's
all free!   All you have to do is go to WWW.KEEE.COM and everything you
need
to hear the show is right there!   As long as you have a computer with
Speakers and
real audio software (Free on my site) you're set!!!

WWW.KEEE.COM

We take requests too.....it's one of the only truly interactive ONLINE
radio
stations in the world!

Give "The Key" a listen. Try it once and you'll be hooked!!!

You have my gaurantee or your money back! And best of all, it's free!
Hey....wait a minute.....

From -6882570652925302178
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d59ed99fec588394,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,d59ed99fec588394,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,d59ed99fec588394,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc2a5,d59ed99fec588394,start
X-Google-Attributes: gidfc2a5,public
From: bob@waterw.com (Bob Applegate)
Subject: Hmafest: 09/20/97, Mt Holly NJ
Date: 1997/09/16
Message-ID: <5vm3pu$der@sea.waterw.com>#1/1
X-Deja-AN: 272970945
Organization: Water Wheel Systems
Newsgroups: rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

The South Jersey Radio Association's (SJRA) hamfest is Saturday,
September 20th at the Armory on Rt 38 in Mt Holly, NJ (Burlington
County, between NJ Turnpike exits 4 and 5). There are indoor
tables with power as well as tailgating. VE testing, prizes, etc.

Talk-in is on the K2AA repeater, 145.29, -600.

More info is at the SJRA page: www.sjra.org or via email from either pehayden@aol.com or bob@waterw.com.

From 238897575555107021
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17377f67306109aa,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,17377f67306109aa,start
X-Google-Attributes: gid107ada,public
From: Ashok Srinivasan <ashoks@engr.sgi.com>
Subject: Need advice on repairing old FT-101
Date: 1997/09/17
Message-ID: <3420A7A2.2781@engr.sgi.com>#1/1
X-Deja-AN: 273463723
Organization: Silicon Graphics Inc., Mountain View, CA
Newsgroups: rec.radio.amateur.misc,rec.ham-radio

Hi,

I bought an old FT-101 from a guy a few years ago for $250 (who told me it was in good condition) and found that it is in bad shape recently based on the estimate from the Yaesu service center ($150parts and $250 labor).

I asked them to send it back to me with the list of fixes needed so I can do it sometime on my own. I'm not a ham yet although I'm familiar with superhet. ckts to some extent. Is there a forum for ft-101 owners on the net? Luckily I do have the user manual and the service manual so I can start from there. However it would be good to have more info.

Any advice on fixing the radio would be apreciated. I plan to buy another ft-101 type rig soon to take to India and I'd also like to know what the various versions have/ dont have and how easy they are to maintain (B, E, EE, EX, ZD). The reason I want to go for an old radio is that servicing a digital radio in India would be impossible if something went wrong.

Thanks
Ashok

P.S. I'm saddened by being taken advantage like this. Although it definitely was stupid of me to buy something I couldnt fully evaluate, I was under the impression that ham swaps were generally more ethical. Isnt that more or less true?

```
--
Ashok Srinivasan (ashoks@engr.sgi.com)       Silicon Graphics Computer
Systems
Magic Carpet (Consumer Group)                  M/S 5U-880
voice: (415) 933-4759                        2011 N. Shoreline Boulevard
fax:   (415) 933-3765                        Mountain View, CA
94043-1389
```

From 1608235117455938375
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17377f67306109aa
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,17377f67306109aa
X-Google-Attributes: gid107ada,public
From: Bill <billharr@flash.net>
Subject: Re: Need advice on repairing old FT-101
Date: 1997/09/17
Message-ID: <342030CE.458A@flash.net>#1/1
X-Deja-AN: 273477210
References: <3420A7A2.2781@engr.sgi.com>
Reply-To: billharr@flash.net
Organization: Flashnet Communications, http://www.flash.net
Newsgroups: rec.radio.amateur.misc,rec.ham-radio

Ashok Srinivasan wrote:

```
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>      definitely was stupid of me to buy something I couldnt fully
>      evaluate, I was under the impression that ham swaps were
>      generally more ethical. Isnt that more or less true?
>
>
```

It used to be so, but not anymore.

From 4634006980532888868
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17377f67306109aa
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,17377f67306109aa
X-Google-Attributes: gid107ada,public
From: ke4zv@bellsouth.net (Gary Coffman)
Subject: Re: Need advice on repairing old FT-101
Date: 1997/09/18
Message-ID: <342137cb.7345458@news.atl.bellsouth.net>#1/1
X-Deja-AN: 273549830
References: <3420A7A2.2781@engr.sgi.com>
Organization: Destructive Testing Systems

Newsgroups: rec.radio.amateur.misc,rec.ham-radio

On Wed, 17 Sep 1997 21:01:38 -0700, Ashok Srinivasan <ashoks@engr.sgi.com> wrote:

>P.S. I'm saddened by being taken advantage like this. Although it
>   definitely was stupid of me to buy something I couldnt fully
>   evaluate, I was under the impression that ham swaps were
>   generally more ethical. Isnt that more or less true?

Well, hams generally are more ethical than used car salesmen or TV evangelists, but they aren't saints. And you have to learn the lingo. "Good" condition means most of the parts are still there, and that most of the smoke and water damage from the fire has been cleaned up. If you want equipment that still works, it has to be labeled as in "excellent" condition or better. But be wary, most amateurs are chronic cardboard box collectors. If they offer the radio with the original box, the thing that may be in "excellent" condition is the shipping box, not the radio.

Ok, I'm having a little fun. Sorry you were burned. My personal rule is to never expect the radio to work unless I've seen it operate under power. And I never expect a used radio to be flawless sight unseen. If the price is right, I'll buy anyway, figuring I can fix it up. That's half the fun of amateur radio anyway.

There's nothing much you *can't* fix in an old FT101. Mechanical condition is the most important thing. The condition of the electronics isn't much of a consideration. Most parts are still commonly available, and troubleshooting and replacement is straightforward. Yaesu's shop charges seem to indicate that the radio needs no more than 2.5 hours of bench time to fix, and it probably needs less than $50 in repair parts (buying parts from the radio manufacturer should always be a last resort, the markup is killer). So figuring your hobby time as free, you still got a good deal, but at $300 net instead of $250.

Gary
Gary Coffman KE4ZV | You Make It | Email:
Destructive Testing Systems | We Break It | ke4zv@bellsouth.net
534 Shannon Way | Guaranteed | or
Lawrenceville, GA 30244 | | ke4zv@radio.org

From -4415477904245535822
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17377f67306109aa
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,17377f67306109aa
X-Google-Attributes: gid107ada,public
From: lar01@sprynet.com (larry)
Subject: Re: Need advice on repairing old FT-101
Date: 1997/09/18

Message-ID: <34219a65.1025888@news.sprynet.com>#1/1
X-Deja-AN: 273661138
References: <3420A7A2.2781@engr.sgi.com>
Organization: Sprynet News Service
Newsgroups: rec.radio.amateur.misc,rec.ham-radio

On Wed, 17 Sep 1997 21:01:38 -0700, Ashok Srinivasan
<ashoks@engr.sgi.com> wrote:

>Hi,
>
>   I bought an old FT-101 from a guy a few years ago for $250
>(who told me it was in good condition) and found that it is in
>bad shape recently based on the estimate from the Yaesu service
>center ($150parts and $250 labor).
>
>I asked them to send it back to me with the list of
>fixes needed so I can do it sometime on my own. I'm not a ham yet
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>and the service manual so I can start from there. However it would be
>good to have more info.
>
>Any advice on fixing the radio would be apreciated. I plan to
>buy another ft-101 type rig soon to take to India and I'd also like to
>know what the various versions have/ dont have and how easy they
>are to maintain (B, E, EE, EX, ZD). The reason I want to go for an
>old radio is that servicing a digital radio in India would be
>impossible if something went wrong.
>
>Thanks
>Ashok
>
>P.S. I'm saddened by being taken advantage like this. Although it
>   definitely was stupid of me to buy something I couldnt fully
>   evaluate, I was under the impression that ham swaps were
>   generally more ethical. Isnt that more or less true?
>
>--
>Ashok Srinivasan (ashoks@engr.sgi.com)   Silicon Graphics Computer
>Systems
>Magic Carpet (Consumer Group)   M/S 5U-880
>voice: (415) 933-4759   2011 N. Shoreline Boulevard
>fax: (415) 933-3765   Mountain View, CA
>94043-1389
Hi Ashok
You may disagree with this but if you are not technically inclinde and
good at radio repair, you might reconsider and allow yeasu to repair
the radio. Granted the cost is something more than you planned but
you could also ask them to give the radio a strong going over,
cleaning etc,   Repairing a radio by remote control is very
difficult.

It has been a while since I have seen that model of radio but I think it has one or two tubes in the final and possibly a tube driver, I believe all else is solid state. Once you get that radio is good condition you should then be able to take it to India.
Also, what is the electrical power distribution in India.
Larry ve3fxq

From 4764608302087501266
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,69de1f1267b30ae0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,69de1f1267b30ae0,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,69de1f1267b30ae0,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,69de1f1267b30ae0,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,69de1f1267b30ae0,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc8b1,69de1f1267b30ae0,start
X-Google-Attributes: gidfc8b1,public
From: Randy/DeeDee/Robin <dc@citynet.net>
Subject: hw101/kw820s parts needed!
Date: 1997/09/20
Message-ID: <342456C5.6867@citynet.net>#1/1
X-Deja-AN: 274151701
Organization: CityNet Corporation
Reply-To: nospam!dc@citynet.net
Newsgroups: rec.radio.amateur.equipment,rec.radio.swap,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.misc

Need following parts for Heath HW101:

-heterodyne osc. boards (all)
-plastic freq. readout dial (this one is cracked)
-plastic insulator for plate tuning cap. (goes between tuning rod and cap.)
will consider junker radio with all above parts working, willing to pay $30 for junker.
-
Also looking for parts for Kenwood TS-820s:
-need PLL boards (both) in working order

Need parts cheap, please email with parts list and prices.
This is not for me, but for a friend, so questions may take an extra bit of time to get answered!
Thanks,
Randy, KC8CPK
--

>>Remove the nospam! from return email to reply.<<

```
From 3238725026814894339
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,33b711ebd20a32,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10f32b,33b711ebd20a32,start
X-Google-Attributes: gid10f32b,public
X-Google-Thread: f5341,33b711ebd20a32,start
X-Google-Attributes: gidf5341,public
X-Google-Thread: fa029,33b711ebd20a32,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1009ad,33b711ebd20a32,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fe08a,33b711ebd20a32,start
X-Google-Attributes: gidfe08a,public
X-Google-Thread: fc2a5,33b711ebd20a32,start
X-Google-Attributes: gidfc2a5,public
From: Don Crozier <ka9qjg@tsrcom.com>
Subject: MDT
Date: 1997/09/21
Message-ID: <3425F935.4EDE@tsrcom.com>#1/1
X-Deja-AN: 274409160
Newsgroups: rec.radio.scanner,rec.radio.amateur.homebrew,rec.ham-
radio,alt.radio.digital,alt.radio.scanner,alt.radio.scanner.uk,alt.radio.internet
```

Hi From Don, KA9QJG Here is a little better copy of the orignal MDT, we still need to share info and get it better let me know if it works for you ??E-MAIL KA9QJG@TSRCOM.COM We also need to know what the legality of monitoring this type of communications??Its not in the CELL portion of the band,Its not SCRAMBLED or ENCRYPTED but Clear ASCI TEXT 4800 BAUD like Ham Radio pkt

HAPPY SCANNING TO ALL AND ENJOY

```
From 7254766314560100122
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fb03f05d27d68d1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,2fb03f05d27d68d1
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,2fb03f05d27d68d1
X-Google-Attributes: gid107ada,public
From: 3W8PE1B <willi6@erols.com>
Subject: Re: Help Identify This Key.
Date: 1997/07/07
Message-ID: <33C11BFD.73B6@erols.com>#1/1
X-Deja-AN: 255268261
References: <01bc8a86$0a46e3c0$bdf7cccf@rocky>
```

To: Bob Snyder <rsnyder@pcisys.net>
Organization: KDR-1
X-Received-On: 7 Jul 1997 10:33:14 GMT
Reply-To: willi6@erols.com
Newsgroups: rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.misc

Bob Snyder wrote:

> It's a black military(?) key, large knob about 1" high, larger at the top. There is a base below the knob that is about 1" round. From the knob. the lever goes straight back for about 1.5" with a 1/4" rise. Then the lever becomes horse shoe shaped. In between the horse shoe are the adjustment screws. Behind that is a black plastic cap that covers the connectors. On the left hand side is the sequence: CJB26008A
>
> Thanks in advance for any information.

= = = = =

Bob,

Hopefully, you will also get responses from some of the other key collectors who are more knowledgeable than I am on specific variants. Your key sounds like a typical "flameproof" / "Navy" key. I have a couple of those in my collection, although at the moment it is boxed up so I am unable to check that number. The flameproof come from the contacts not showing, and the Navy (guess) from the fact that there is a base under the knob.

The other point towards the Navy is the "Contractor Code", which I learned in the July 1993 issue of the Vail Correspondent was adopted in 1916. The later codes (ca. WW-II, etc) have the CCC-#####-C pattern, with the center figure often in the 26000 range. CJB is "Contract" Jesse Bunnell, a good name in the telegraph key business. 26008-A is the more specific model and variations. //I'm wondering if this is "26003-A" with a blurred or misread "3" vs. "8" .....

There are a number of excellent WEB sites that you can find through the various search engines, plus they point to each other. Many have photos.

Try http://fhonix.metronet.com/~nmcewen/ref.html

for a starter, he has links to others. Regards, Dave K7HMP

From 5461233966919195492
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,7fdf11e42337c804,start
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,7fdf11e42337c804,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105955,7fdf11e42337c804,start
X-Google-Attributes: gid105955,public
X-Google-Thread: f76e2,7fdf11e42337c804,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 115af6,7fdf11e42337c804,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: fb049,7fdf11e42337c804,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1009ad,7fdf11e42337c804,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: f5341,7fdf11e42337c804,start
X-Google-Attributes: gidf5341,public
From: "SDH" <sdharris@gate.net>
Subject: FS: Yaesu FT8000R Dualband mobil $430
Date: 1997/07/07
Message-ID: <01bc8b00$4a385d40$6125e3c7@tower>#1/1
X-Deja-AN: 255300420
Organization: CyberGate, Inc.
Newsgroups: alt.ham-radio.fm,alt.ham-radio.vhf-uhf,alt.radio.scanner,alt.radio.scanner.uk,att.ham-radio,rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.scanner,rec.radio.swap

The radio is only 4 Months old and in GREAT condition. Still have box,
cables and mounting bracket. This radio has been moded for out of band TX
and will recieve the 900 Mhz cordless/ ham band which is now blocked on
newer ft8000 and ft8100. Cellular is still blocked and I know of no mod for
this. Will recieve 110Mhz (AM) ~ 550Mhz /
750Mhz~1330Mhz.

$430.00+shipping.

Sean
sdharris@gate.net

From 6871359960098313789
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fc734,79decbd02e15e35
X-Google-Attributes: gidfc734,public
X-Google-Thread: 10c9e3,79decbd02e15e35
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1012c0,79decbd02e15e35

X-Google-Attributes: gid1012c0,public
X-Google-Thread: 115af6,79decbd02e15e35
X-Google-Attributes: gid115af6,public
X-Google-Thread: fa656,79decbd02e15e35
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,79decbd02e15e35
X-Google-Attributes: gid114a57,public
X-Google-Thread: 105955,79decbd02e15e35
X-Google-Attributes: gid105955,public
X-Google-Thread: f76e2,79decbd02e15e35
X-Google-Attributes: gidf76e2,public
From: Jack Komisarek <n1lsw@ncia.net>
Subject: Re: FS: Kenwood TS430S HF $400
Date: 1997/07/07
Message-ID: <33C18F20.2182@ncia.net>#1/1
X-Deja-AN: 255374431
References: <01bc8b00$d29b8680$6125e3c7@tower>
Organization: North Country Internet Access
Newsgroups: alt.ham-radio.am,alt.ham-radio.hf,alt.ham-radio.ssb,att.ham-radio,rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.shortwave,rec.radio.swap

SDH wrote:
>
> Kenwood TS430S for sale. Has been moded for out of band TX.
> $400.00+shipping OBO
>
> Sean
> sdharris@gate.net
Hello, what is the best price you can do on that 440???? let me
know.
73s Jack

From -6454586667295659745
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1038828200e0996,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,b1038828200e0996,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 10e8ad,b1038828200e0996,start
X-Google-Attributes: gid10e8ad,public
From: "maury" <i862@rocketmail.com>
Subject: Decode TLM from Rover Mars Pathfinder
Date: 1997/07/08
Message-ID: <5pt267$qvb$1@menelao.polito.it>#1/1
X-Deja-AN: 255478070
X-MimeOLE: Produced By Microsoft MimeOLE Engine V4.71.0544.0
Organization: Politecnico di Torino - Italia
Newsgroups: rec.ham-radio,rec.radio.amateur.space,uk.radio.amateur

Download the program to decode TL from Rover Mars Pathfinder

http://www-dx.deis.unibo.it/htdx/

Comments and suggestions welcome.
73, Maury

From 1768130799422597366
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,26c8b14066f46ca2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,26c8b14066f46ca2
X-Google-Attributes: gid114aac,public
From: ad058@sfn.saskatoon.sk.ca (TIMOTHY GUEGUEN)
Subject: Re: MAJOR HEADS UP: This INTER-dependence Day: UN BAND will PLAY !!!!!
Date: 1997/07/08
Message-ID: <5ptlje$55p$1@missing.link.ca>#1/1
X-Deja-AN: 255523024
References: <5pg0b8$732@teaminfinity.com> <jackmor-ya02408000R0307971525150001@news.iglou.com>
<01bc889b$1a594e20$301796d0@graham.surfsouth.com>
Followup-To: rec.radio.shortwave,rec.ham-radio
Organization: Saskatoon Free-Net
Newsgroups: rec.radio.shortwave,rec.ham-radio

Graham (not@public.com) wrote:
: You can thank the communist asswipe we have for a president for crap like
: that.

: --
: Graham

: "Mr President, your proctologist called, they found your head."
Time to crack open the political science texts again if you think that
Clinton is a "communist." In any case it beats me how Americans can be
paranoid of the UN as your government is the de facto boss of the damn
outfit anyways.

tim gueguen ad058@sfn.saskatoon.sk.ca

From -4036614594554929993
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f9356,49f68ccd3a6b1459,start
X-Google-Attributes: gidf9356,public

```
X-Google-Thread: 105955,49f68ccd3a6b1459,start
X-Google-Attributes: gid105955,public
X-Google-Thread: 10c9e3,49f68ccd3a6b1459,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc1a3,49f68ccd3a6b1459,start
X-Google-Attributes: gidfc1a3,public
X-Google-Thread: 114cd0,49f68ccd3a6b1459,start
X-Google-Attributes: gid114cd0,public
From: "Steve Beecher" <stevebe@fsba.com>
Subject: FORSALE: ICOM IC-2SAT
Date: 1997/07/08
Message-ID: <01bc8be8$5938a7d0$69388ece@cheri>#1/1
X-Deja-AN: 255595564
Organization: Fujitsu
Newsgroups: att.ham-radio,dc.ham-radio,fj.rec.ham,slac.rec.ham_radio,rec.ham-radio
```

For Sale:

- Icom IC-2SAT 144MHz FM tranciever
- FA-14088 antenna
- BC-74A charger/transformer
- car power adapter
- UT-51 programmable tone encoder
- 2 X BP-90 AA battery packs
- 2 X BP-83 rechargable battery packs
- BA-12 battery quick-charge adapter
- BC-80A desktop charger

all relatively new with original boxes and manuals

asking $250.00 OBO...

E-mail stevebe@fsba.com if interested...

--s

```
From -1024919803840357342
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,26c8b14066f46ca2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,26c8b14066f46ca2
X-Google-Attributes: gid114aac,public
From: kmdxer <kmdxer@ix.netcom.com>
Subject: Re: MAJOR HEADS UP: This INTER-dependence Day: UN BAND will PLAY !!!!!
Date: 1997/07/08
Message-ID: <33C1EBF1.2600@ix.netcom.com>#1/1
X-Deja-AN: 255661521
References: <5pg0b8$732@teaminfinity.com> <jackmor-
ya02408000R0307971525150001@news.iglou.com>
```

<01bc889b$1a594e20$301796d0@graham.surfsouth.com> <5ptlje$55p$1@missing.link.ca>
Organization: Netcom
X-NETCOM-Date: Tue Jul 08 9:28:43 PM PDT 1997
Reply-To: kmdxer@ix.netcom.com
Newsgroups: rec.radio.shortwave,rec.ham-radio

TIMOTHY GUEGUEN wrote:
>
> Graham (not@public.com) wrote:
> : You can thank the communist asswipe we have for a president for crap like
> : that.
>
> : --
> : Graham
>
> : "Mr President, your proctologist called, they found your head."
> Time to crack open the political science texts again if you think that
> Clinton is a "communist." In any case it beats me how Americans can be
> paranoid of the UN as your government is the de facto boss of the damn
> outfit anyways.
>
> tim gueguen ad058@sfn.saskatoon.sk.ca

Hey Tim,

Thanks for setting all the rednecks straight

From 6102775295002486908
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36046f8ca8c607e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,36046f8ca8c607e,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 106d41,36046f8ca8c607e,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 10ed5f,36046f8ca8c607e,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 114a57,36046f8ca8c607e,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa029,36046f8ca8c607e,start
X-Google-Attributes: gidfa029,public
From: "Christopher D. Rumbaugh" <rumcd@open.org>
Subject: SBE Sidebander 23ch:Need tune-up info and schematics
Date: 1997/07/13
Message-ID: <01bc8fa8$e74b9820$9d6802c7@c---g-s-pc>#1/1
X-Deja-AN: 256635600
Organization: http://www.open.org/rumcd
Newsgroups: alt.ham-radio,alt.ham-radio.hf,rec.ham-radio,rec.radio.cb,rec.radio.scanner,rec.radio.shortwave

WTD tune-up info and schematics for old 23ch SBE Console Sidebander. Also would appreciate info on 10M conversion (if poss?!?!) I have one found at a thriftstore, it needs help badly!

Thanks and 73

-chRISTOpher
rumcd@open.org

From -4495464407883079180
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6afcd369505a698a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,6afcd369505a698a,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,6afcd369505a698a,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,6afcd369505a698a,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114a57,6afcd369505a698a,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: f76e2,6afcd369505a698a,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fcc6e,6afcd369505a698a,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 1031c8,6afcd369505a698a,start
X-Google-Attributes: gid1031c8,public
From: gtk@*NOSPAM*mis.haselow.com (Greg Kopp)
Subject: HELP: Need Info on Alliance HD-73 rotor FAST
Date: 1997/07/14
Message-ID: <gtk-1407971149070001@gkopp.haselow.com>#1/1
X-Deja-AN: 256817756
Organization: Haselow Marketing Communications
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,alt.ham-radio.hf

When replying to this message, please send e-mail directly, BUT, you must first remove the *NOSPAN* from my e-mail address above. I'm tired of learning how to earn $50,000 in a month! :)

I need information on an Alliance HD-73. I bought one a couple weeks ago, but the previous owner was unablt to locate the paperwork. If you have a manual, I'd be glad to pay for a copy. But I really need to know a few things:

What is it worth? (Did I get ripped off?)

What are the specifications of the rotor?
Maximum weight, wind load, torque, etc.

I MAY be putting this thing under my HF antenna this weekend and would certainly appreciate it if I can avoid making a mistake.

Greg N8JMS

--
Replying to this message WILL NOT WORK. Remove "*NOSPAM*" from the address above if you wish to send e-mail.

Greg

From 3846403750181624221
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,53c5086f7646864f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,53c5086f7646864f,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,53c5086f7646864f,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc2a5,53c5086f7646864f,start
X-Google-Attributes: gidfc2a5,public
From: kral@hpl.hp.com (Joseph Kral)
Subject: Icom F-3
Date: 1997/07/15
Message-ID: <5qeel4$6km@hplms2.hpl.hp.com>#1/1
X-Deja-AN: 256896418
Organization: Hewlett-Packard
Reply-To: kral@hpl.hp.com.NO.JUNK
Newsgroups:
rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.ham-radio

Looking for information on how to field program
the new Icom F-3 commercial radio.

--
Joseph Kral
Hewlett-Packard Laboratories
kral@hpl.hp.com

From -3521448044864672374

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,53c5086f7646864f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,53c5086f7646864f
X-Google-Attributes: gid108122,public
X-Google-Thread: fc2a5,53c5086f7646864f
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 107ada,53c5086f7646864f
X-Google-Attributes: gid107ada,public
From: gfiber@news.cmc.net (Gary Fiber)
Subject: Re: Icom F-3
Date: 1997/07/15
Message-ID: <33cb72f0.1826622@news.cmc.net>#1/1
X-Deja-AN: 256995270
References: <5qeel4$6km@hplms2.hpl.hp.com>
X-CMC-Date: 15 Jul 1997 12:50:02 GMT
Organization: Chambers Multimedia Connection
Reply-To: gfiber@seattle.cmc.net
Newsgroups:
rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.ham-radio

On 15 Jul 1997 00:01:40 GMT, kral@hpl.hp.com (Joseph Kral) wrote:

>
>
>Looking for information on how to field program
>the new Icom F-3 commercial radio.
>
>
>--
>Joseph Kral
>Hewlett-Packard Laboratories
>kral@hpl.hp.com

You need the EX1961 software and OPC-478 cloning cable

Gary
THIS REPLY DOES NOT REPRESENT ANY OFFICIAL POSITION of
MY EMPLOYER. It represents only MY PERSONAL opinion.

From -8638855001393595536
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b8043a10895a3782,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,b8043a10895a3782,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,b8043a10895a3782,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 108122,b8043a10895a3782,start
X-Google-Attributes: gid108122,public

X-Google-Thread: 11480d,b8043a10895a3782,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: 1031c8,b8043a10895a3782,start
X-Google-Attributes: gid1031c8,public
From: matth@netacc.net (Matt Hicks)
Subject: Need help with selecting equipment!!
Date: 1997/07/15
Message-ID: <matth-ya02408000R1507972101010001@news.netacc.net>#1/1
X-Deja-AN: 257101856
Organization: NetAccess
Newsgroups: rec.ham-radio,,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.swap

I am looking for help selecting a new rig, I am just starting out in this hobby and am looking for a transeiver with 6M and 2M (any additional wouldn't hurt) or an HF w/ 6M and 2M. I am looking to spend about $1,000 for my entire setup, at the moment I am looking at the Icom IC-706MKII, it is a HF+6M+2M, a little more than I wanted to spend but will if it is all I can find.

If you can help me or give me some info (antenna info as well) please send me e-mail at: Matth@netacc.net, or at lease forward a copy to my e-mail, thanks in advance!!!

Matt

matth@netacc.net

From 4636917819101984605
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,6afcd369505a698a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,6afcd369505a698a
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,6afcd369505a698a
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,6afcd369505a698a
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,6afcd369505a698a
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,6afcd369505a698a
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1031c8,6afcd369505a698a
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 114a57,6afcd369505a698a
X-Google-Attributes: gid114a57,public
From: k4rs@iu.net (Roger Snyder)
Subject: Re: HELP: Need Info on Alliance HD-73 rotor FAST
Date: 1997/07/15

Message-ID: <33cd2699.8717465@news.iu.net>#1/1
X-Deja-AN: 257179893
References: <gtk-1407971149070001@gkopp.haselow.com>
Organization: Internet Connect Company http://www.atlantic.net
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,alt.ham-radio.hf

On Mon, 14 Jul 1997 11:49:07 -0400, gtk@*NOSPAM*mis.haselow.com (Greg Kopp) wrote:

>I need information on an Alliance HD-73. I bought one a couple weeks ago,
>but the previous owner was unablt to locate the paperwork. If you have a
>manual, I'd be glad to pay for a copy. But I really need to know a few
>things:
>
>What is it worth? (Did I get ripped off?)
>
>What are the specifications of the rotor?
>Maximum weight, wind load, torque, etc.
>
>I MAY be putting this thing under my HF antenna this weekend and would
>certainly appreciate it if I can avoid making a mistake.
>
>Greg N8JMS

From the HD-73 Owner's Manual:

The HD-73-1 has the heaviest pitch gear teeth (steel hardened) of any rotator in its size and price range.

The HD-73-1 control unit features TWO-SPEED rotation with one five-position switch. This presents a one revolution per minute speed for rotating over an extended are and a slower speed for adjustment of, say, several degrees one way or the other for fine adjustments for the best signal on receiving and transmitting.

The rotator not only has a readily accessible externally located fuse for total unit protection, it also has an internally mounted automatic reset thermal protector for the motor and transformer against shorts or possible connection error or prolonged operation.

A large, back-illuminated 3 1/2" Jewell D'Arsonval, Taut Band, linear, full scale 100� swing, meter is calibrated in bold S-W-N-E-S as well as a degree-graduated scale.

The meter direction indicating voltage supply is solid state voltage regulated for meter indication accuracy regardless of wide line voltage or load variation; the regulating range is 105 to 129 volts.

The HD-73-1 rotor was designed to operate antennas with a maximum of 10.7 square feet of wind load area when properly installed.

Diameter of rotator unit -- 8".
Mast mounting size range -- 1-3/8" O.D. to 2-1/2" O.D.
Mounting option -- in tower (preferred), or on tower or mast.
Cable -- 6 conductor.
Voltage input -- 117 volts A.C., 60 hertz, + 12 volts.
Rotator weight (bare) -- 6-3/4 lbs.
Rotator with 1 pair antenna brackets -- 9-1/8 lbs.
Rotator with 2 pair brackets -- 11-1/2 lbs.
Shipping weight -- 17 lbs.
Rotator speed -- Dual -- 1 R.P.M. and a pinpoint slower speed.
Motor -- capacitor split phase, reversible. Motor voltage -- 20 volts A.C. No voltage on motor or leads exceeds U.L. safety limits.
Transformer, power -- Double protected -- fuse and thermal protectors.
Meter -- D.C. D'Arsonval, taut band. Meter scale -- S.W.N.E.S. and degree scale.

WIND LOAD INFORMATION

Severe installation and duty requirements are placed upon antenna rotors and supports by communication antenna arrays. The factors involved in such installations have been under investigation for many years to determine the effect of such requirements on antenna rotators, and how to design and manufacture rotators that will support and operate antennas under the very adverse conditions that exist in some localities. These locations are not only those of high wind velocity but also those of additional ice loading and severe conditions that exist during periods of blizzard and peak gusts of wind that occur in many areas.

The Unites States Weather Bureau furnished fastest mile per hour velocity figures from many recording stations around the United States. Measurements have been made of the relationship of gusts for fastest miles per hour data by the Bureau showing that gusts exceed fastest wind velocity data generally by 30%.

As a result of the above, the Electronic Industry Association (EIA) has recommended a wind loading standard of 30#/sq. ft. of projected surface for the purpose of design by United States manufacturers. This corresponds to a wind velocity of 110 mph. The use of this standard in design procedures will consistently yield products better able to withstand successfully most prevailing wind conditions in the U.S.A.

This brings us to the subject of Bending Moment, also called Side Thrust Overturning. Wind loading or wind pressure acting on an antenna, rotator and tower are essentially the same as those acting on buildings, water towers and other structures. Wind loading is by far the most critical and severe item to be considered for antennas, rotators and tower life. A typical 3 element vertical C.B. antenna creates a bending moment of 1700 lb. ft. and necessitates in-tower mounting. Other C.B. antennas are vertically polarized and can exceed these values.

73 de Roger, K4RS
k4rs@iu.net

```
From -3005151116644486146
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb13b276c4bb5adf,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,bb13b276c4bb5adf,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 107ada,bb13b276c4bb5adf,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f7810,bb13b276c4bb5adf,start
X-Google-Attributes: gidf7810,public
X-Google-Thread: fa656,bb13b276c4bb5adf,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,bb13b276c4bb5adf,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: 114a57,bb13b276c4bb5adf,start
X-Google-Attributes: gid114a57,public
From: Kristjan Kodermac <kristjan.kodermac@guest.arnes.si>
Subject: Web Page updated
Date: 1997/07/16
Message-ID: <33CC641E.58E4@guest.arnes.si>#1/1
X-Deja-AN: 257169604
Organization: ARNES
Reply-To: kristjan.kodermac@guest.arnes.si
Newsgroups: alt.ham-radio.hf,alt.ham-radio.dxing,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.misc
```

Hello !

Today I updated my page.
Now you can find more than 180 Ham Award rules, about 330 Hamradio links...

Of course you can also find something about me and my HAM activity.

Bye...
Kristjan, S57IIO

My Homepage:
http://www.qsl.net/s57iio

From 4709396855495257113
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,6bf2921659febee9,start
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,6bf2921659febee9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,6bf2921659febee9,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f4306,6bf2921659febee9,start
X-Google-Attributes: gidf4306,public
X-Google-Thread: f76e2,6bf2921659febee9,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 115af6,6bf2921659febee9,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 1009ad,6bf2921659febee9,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fb049,6bf2921659febee9,start
X-Google-Attributes: gidfb049,public
From: "SDH" <sdharris@gate.net>
Subject: FS. Yaesu FT8000R dualband mobil
Date: 1997/07/17
Message-ID: <01bc92f8$d0db29e0$5d25e3c7@tower>#1/1
X-Deja-AN: 257539568
Organization: CyberGate, Inc.
Newsgroups: alt.ham-radio.fm,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,alt.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.packet,rec.rad

The radio is only 4 Months old and in GREAT condition. Still have box, cables and mounting bracket. This radio has been moded for out of band TX and will recieve the 900 Mhz cordless/ ham band which is now blocked on newer ft8000 and ft8100. Cellular is still blocked and I know of no mod for this. Will recieve 110Mhz (AM) ~ 550Mhz /
750Mhz~1330Mhz.

105 memories
VHF   50W
UHF   35W

$430.00+shipping.

```
Sean
sdharris@gate.net




From -4256160795546161114
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,53c5086f7646864f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,53c5086f7646864f
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,53c5086f7646864f
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc2a5,53c5086f7646864f
X-Google-Attributes: gidfc2a5,public
From: kral@hpl.hp.com (Joseph Kral)
Subject: Re: Icom F-3
Date: 1997/07/18
Message-ID: <5qme96$srn@hplms2.hpl.hp.com>#1/1
X-Deja-AN: 257511992
References: <5qeel4$6km@hplms2.hpl.hp.com> <33cb72f0.1826622@news.cmc.net>
Organization: Hewlett-Packard
Reply-To: kral@hpl.hp.com.NO.JUNK
Newsgroups:
rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.
ham-radio


In article <33cb72f0.1826622@news.cmc.net>,
Gary Fiber <gfiber@seattle.cmc.net> wrote:
>On 15 Jul 1997 00:01:40 GMT, kral@hpl.hp.com (Joseph Kral) wrote:
>
>>
>>
>>Looking for information on how to field program
>>the new Icom F-3 commercial radio.
>>
>>
>>--
>>Joseph Kral
>>Hewlett-Packard Laboratories
>>kral@hpl.hp.com

>You need the EX1961 software and OPC-478 cloning cable
>
>Gary
>THIS REPLY DOES NOT REPRESENT ANY OFFICIAL POSITION of
>MY EMPLOYER.  It represents only MY PERSONAL opinion.
```

Thanks Gary, but I'm looking for how to field program the radio. i.e., through the keypad, not a computer. I know for a fact that it can be done, I just don't yet know the magic code.

Thanks anyway.

--
Joseph Kral
Hewlett-Packard Laboratories
kral@hpl.hp.com

From -1670545321995108856
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0ee42bd2b3cd653,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b0ee42bd2b3cd653,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,b0ee42bd2b3cd653,start
X-Google-Attributes: gid107ada,public
From: "Paul Jordan" <jordan@no-spam.santanet.com>
Subject: Help needed R.S. HTX-202
Date: 1997/07/19
Message-ID: <01bc941b$ab97a040$572977cc@default>#1/1
X-Deja-AN: 257671260
Organization: Jordan's Cadd Service
Newsgroups: rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.misc

Hello,

A week or two ago someone posted about common problems with a Radio Shack HTX-202 and I think one of the problems had to do with the speaker. If you have the post or know where I can get it, I would appreciate a reply.
I have audio but it is VERY low. Even if I plug a speaker mike into the plugs on top, it's a little louder but you have to hold it up to your ear to hear it. Everything else seems to work.
Any help would be appreciated.

73's
Paul Jordan
KL0AN

--
Anti-Spam lock is on
Remove the no-spam from my address before
replying please.

From 314795697353248753
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,26b5903eacaa2518,start
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,26b5903eacaa2518,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,26b5903eacaa2518,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fb049,26b5903eacaa2518,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1009ad,26b5903eacaa2518,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: f76e2,26b5903eacaa2518,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 115af6,26b5903eacaa2518,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: f4306,26b5903eacaa2518,start
X-Google-Attributes: gidf4306,public
From: "SDH" <sdharris@gate.net>
Subject: FS: Yaesu FT8000R dualbander !!!>>>>>>>>>>>
Date: 1997/07/19
Message-ID: <01bc945e$923f7440$1825e3c7@tower>#1/1
X-Deja-AN: 257713370
Organization: CyberGate, Inc.
Newsgroups: alt.ham-radio.fm,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,alt.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.scanner,rec.radio.swap

The radio is only 4 Months old and in GREAT condition. Still have box, cables and mounting bracket. This radio has been moded for out of band TX and will recieve the 900 Mhz cordless/ ham band which is now blocked on newer ft8000 and ft8100. Cellular is still blocked and I know of no mod for this. Will recieve 110Mhz (AM) ~ 550Mhz /
750Mhz~1330Mhz.

108 memories
VHF   50W
UHF   35W

$430.00+shipping OBO

begin 600 ft8000r.htm
<uuencoded_portion_removed>
`
end

From -1270456121000644699
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6340948cf2823798,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,6340948cf2823798,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1009ad,6340948cf2823798,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,6340948cf2823798,start
X-Google-Attributes: gidfa029,public
From: fiscus@mcn.net (Vince Fiscus, KB7ADL)
Subject: Anyone have a list of freqs. for the National Training Center?
Date: 1997/07/19
Message-ID: <5qr9if$1ds_002@blpm02-198.mcn.net>#1/1
X-Deja-AN: 257746825
Followup-To: alt.radio.scanner,rec.ham-radio,rec.radio.amateur.misc,rec.radio.scanner
Organization: Montana Communications Network
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.amateur.misc,rec.radio.scanner

Anyone have a list of frequencies for the U.S. Army's National Training Center in California?

Thanks 73
de KB7ADL

From -7314756808222134787
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62bb907558df83fc,start
X-Google-Attributes: gid10c9e3,public
From: "Randy Adams" <adamscr@ham.muohio.edu>
Subject: SPI-RO ANTENNAS
Date: 1997/07/19
Message-ID: <1997Jul19.195810.5972@nntp.muohio.edu>#1/1
X-Deja-AN: 258950420
Newsgroups: rec.ham-radio
X-MimeOLE: Produced By Microsoft MimeOLE Engine V4.71.0544.0

I am thinking about buying a SPI-RO all band sloper. VS-53. Can anyone give me information on the performance of this ant.

Email : adamscr@ham.muohio.edu
Thank Randy NT8N

From 2914184775148105816
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,3aee07a9da6da6de,start
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,3aee07a9da6da6de,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,3aee07a9da6da6de,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 107ada,3aee07a9da6da6de,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fddbf,3aee07a9da6da6de,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,3aee07a9da6da6de,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fb049,3aee07a9da6da6de,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f4306,3aee07a9da6da6de,start
X-Google-Attributes: gidf4306,public
From: KB8TNQ <kb8tnq@aol.com>
Subject: NEW Amateur Web Sites to Visit!
Date: 1997/07/20
Message-ID: <33D168D0.5F6C03F@aol.com>#1/1
X-Deja-AN: 257803497
X-Priority: 3 (Normal)
Organization: Voyager Information Networks, Inc.
Newsgroups: rec.radio.amateur.misc,alt.ham-radio.fm,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,alt.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.packet,rec.rad

--------------0F3D436393DA2885080DDC33
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello all:

We'd like to invite you to visit a couple new Web Sites, dedicated to Amateur Radio.

The first, The KB8TNQ Ultimate Amateur Radio Page! is a great source for items of Ham interest. With links to a variety of other Ham Pages, as well as a weekly update with a "Site O' the Week" and Weather-Related Sites, you'll enjoy this one.

And the second, The Central Michigan Amateur Radio Club Web Site is mostly about the club itself. However, a new page, the "Trader's Page", is something we are starting to get some interest in. If you have ham

```
gear to sell and want a FREE place to list it, this is the place!

7-3 and we look forward to seeing you soon,
Jim (KB8TNQ)

--------------0F3D436393DA2885080DDC33
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<HTML>
Hello all:

<P>We'd like to invite you to visit a couple new Web Sites, dedicated to
Amateur Radio.

<P>The first,&nbsp; <A HREF="http://www.kb8uyz.com/kb8tnq">The KB8TNQ Ultimate
Amateur Radio Page!</A>&nbsp; is a great source for items of Ham interest.&nbsp;
With links to a variety of other Ham Pages, as well as a weekly update
with a <B>"Site O' the Week" </B>and Weather-Related Sites, you'll enjoy
this one.

<P>And the second,&nbsp; <A HREF="http://www.kb8uyz.com/cmarc">The Central
Michigan Amateur Radio Club Web Site</A>&nbsp; is mostly about the club
itself.&nbsp; <B>However</B>, a new page, the "Trader's Page", is something
we are starting to get some interest in.&nbsp; If you have ham gear to
sell and want a <B>FREE</B> place to list it, this is the place!

<P>7-3 and we look forward to seeing you soon,
<BR>Jim (KB8TNQ)</HTML>

--------------0F3D436393DA2885080DDC33--




From 4938673858085937961
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,87d7864144ce452e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,87d7864144ce452e,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,87d7864144ce452e,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,87d7864144ce452e,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fcc6e,87d7864144ce452e,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 107ada,87d7864144ce452e,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1109af,87d7864144ce452e,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,87d7864144ce452e,start
X-Google-Attributes: gidfa656,public
```

From: Jerry Brooks <kk6pa@ridgenet.net>
Subject: FS: HF Yagi & Roof twr
Date: 1997/07/20
Message-ID: <33D2698D.6339@ridgenet.net>#1/1
X-Deja-AN: 257872539
Organization: RidgeNET
Reply-To: kk6pa@ridgenet.net
Newsgroups:
rec.radio.amateur,rec.radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.ham-radio,rec.ham-radio.swap

I have a ham friend who purchased the following in March 1996 and now wants to sell as a package. IE, no piece meal.

Tri-Band Yagi (10-15-20M) 3 el., 12'	Hygain TH3JRS	$289.95
Balun 80-10m	Hygain BN-86	$ 36.95
Mast 9' Steel	Glen Martin M-1049	$ 58.95
Thrust Bearing	Glen Martin TB-25	$ 89.95
Tower 8' Roof (good for 8 Sq. Ft of ant)	Glen Martin RT-832	$229.95
Rotator (10SF)	Yaesu G-450XL	$239.95
Coax 100' RG-8 foam	Belden 8214	$ 54.95
Rotator Cable 8 cond.	Belden 8448	$ 24.95

	Cost when bought new =	$1,025.60

Wants $700 for the lot. Will give $100 discount if the buyer will help take it down.

Jerry
kk6pa@ridgenet.net

From -8632297650953400254
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,3aee07a9da6da6de
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,3aee07a9da6da6de
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,3aee07a9da6da6de
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fb049,3aee07a9da6da6de
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,3aee07a9da6da6de
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,3aee07a9da6da6de
X-Google-Attributes: gid107ada,public
X-Google-Thread: f4306,3aee07a9da6da6de
X-Google-Attributes: gidf4306,public

X-Google-Thread: fddbf,3aee07a9da6da6de
X-Google-Attributes: gidfddbf,public
From: Doctor Bob <bob@antispam.com>
Subject: Re: NEW Amateur Web Sites to Visit!
Date: 1997/07/20
Message-ID: <kaozHIAsmm0zEwwb@bobshack.demon.co.uk>#1/1
X-Deja-AN: 257876589
Distribution: world
X-NNTP-Posting-Host: bobshack.demon.co.uk [158.152.104.90]
References: <33D168D0.5F6C03F@aol.com>
Organization: Amateur Radio Station
Newsgroups: rec.radio.amateur.misc,alt.ham-radio.fm,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,alt.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.packet,rec.rad

Once upon a time while I was planning my next Las Vegas visit
<33D168D0.5F6C03F@aol.com>, KB8TNQ <kb8tnq@aol.com> wrote,
>Hello all:
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>We'd like to invite you to visit a couple new Web Sites, dedicated to
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>
>7-3 and we look forward to seeing you soon,
>Jim (KB8TNQ)

Yea realy nice,,,,, BUT where are they???

Bob. G0LBQ - N6XDI

```
     ------------------------------------------------------------
     ANTI SPAM SIG -     Reply to         bob@bobshack.demon.co.uk

     Read my L.V. trip report & Pics at   www.bobshack.demon.co.uk
     ------------------------------------------------------------
```

From 6149430635414307476
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,3aee07a9da6da6de
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,3aee07a9da6da6de

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,3aee07a9da6da6de
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f4306,3aee07a9da6da6de
X-Google-Attributes: gidf4306,public
X-Google-Thread: 107ada,3aee07a9da6da6de
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,3aee07a9da6da6de
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fb049,3aee07a9da6da6de
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1009ad,3aee07a9da6da6de
X-Google-Attributes: gid1009ad,public
From: RGFoster <rgfoster@anl.gov>
Subject: Re: NEW Amateur Web Sites to Visit!
Date: 1997/07/21
Message-ID: <33D3A48C.B8588D69@anl.gov>#1/1
X-Deja-AN: 258007598
References: <33D168D0.5F6C03F@aol.com> <kaozHIAsmm0zEwwb@bobshack.demon.co.uk>
X-Priority: 3 (Normal)
Organization: Argonne National Laboratory
Newsgroups: rec.radio.amateur.misc,alt.ham-radio.fm,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,alt.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.packet,rec.rad

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>
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>
> Bob. G0LBQ - N6XDI
>
>   ---

```
>      ANTI SPAM SIG -     Reply to         bob@bobshack.demon.co.uk
>
>      Read my L.V. trip report & Pics at   www.bobshack.demon.co.uk
>      ------------------------------------------------------------

If your newsreader can open your web browser (if you have one). Click on
the site names in the text of the message.



From -4025129390078826716
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,3aee07a9da6da6de
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,3aee07a9da6da6de
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,3aee07a9da6da6de
X-Google-Attributes: gid107ada,public
X-Google-Thread: fddbf,3aee07a9da6da6de
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 1009ad,3aee07a9da6da6de
X-Google-Attributes: gid1009ad,public
X-Google-Thread: f4306,3aee07a9da6da6de
X-Google-Attributes: gidf4306,public
X-Google-Thread: fb049,3aee07a9da6da6de
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,3aee07a9da6da6de
X-Google-Attributes: gidf76e2,public
From: n2fhl@voicenet.nospam.com (Steve Schurmann)
Subject: Re: NEW Amateur Web Sites to Visit!
Date: 1997/07/21
Message-ID: <33d3d458.13551486@netnews.voicenet.com>#1/1
X-Deja-AN: 258033911
References: <33D168D0.5F6C03F@aol.com> <kaozHIAsmm0zEwwb@bobshack.demon.co.uk>
<33D3A48C.B8588D69@anl.gov>
Organization: VoiceNet - Internet Access - (215)674-9290
Reply-To: "Steve Schurmann" <n2fhl@voicenet.nospam.com>
Newsgroups: rec.radio.amateur.misc,alt.ham-radio.fm,alt.ham-radio.packet,alt.ham-
radio.vhf-uhf,alt.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.ham-
radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.packet,rec.rad


RGFoster <rgfoster@anl.gov> wrote:


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>>
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>>
>> Bob. G0LBQ - N6XDI
>>
```

>
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>the site names in the text of the message.

Yeah, but why don't you save the time and just post the site? Maybe I
just want to save the URL and look at it later.
.

Steve Schurmann
Watchmaker/Jeweler
Amateur Radio N2FHL

Please remove ".nospam" from my address if you wish to reply.

From 3466396379875120494
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,3aee07a9da6da6de
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,3aee07a9da6da6de
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,3aee07a9da6da6de
X-Google-Attributes: gid107ada,public
X-Google-Thread: fb049,3aee07a9da6da6de
X-Google-Attributes: gidfb049,public
X-Google-Thread: f4306,3aee07a9da6da6de
X-Google-Attributes: gidf4306,public
X-Google-Thread: f76e2,3aee07a9da6da6de
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,3aee07a9da6da6de
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 1009ad,3aee07a9da6da6de
X-Google-Attributes: gid1009ad,public
From: Doctor Bob <bob@antispam.com>
Subject: Re: NEW Amateur Web Sites to Visit!
Date: 1997/07/21
Message-ID: <dh7N5IAif90zEwk$@bobshack.demon.co.uk>#1/1
X-Deja-AN: 258054212
Distribution: world
X-NNTP-Posting-Host: bobshack.demon.co.uk [158.152.104.90]
References: <33D168D0.5F6C03F@aol.com> <kaozHIAsmm0zEwwb@bobshack.demon.co.uk>
<33D3A48C.B8588D69@anl.gov>
Organization: Amateur Radio Station
Newsgroups: rec.radio.amateur.misc,alt.ham-radio.fm,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,alt.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.packet,rec.rad

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>>

```
>> Once upon a time while I was planning my next Las Vegas visit
>> <33D168D0.5F6C03F@aol.com>, KB8TNQ <kb8tnq@aol.com> wrote,
>> >Hello all:
>> >
>> >We'd like to invite you to visit a couple new Web Sites, dedicated to
>> >Amateur Radio.
>> >
>> >The first,  The KB8TNQ Ultimate Amateur Radio Page!  is a great source
>> >for items of Ham interest.  With links to a variety of other Ham Pages,
>> >as well as a weekly update with a "Site O' the Week" and Weather-Related
>> >Sites, you'll enjoy this one.
>> >
>> >And the second,  The Central Michigan Amateur Radio Club Web Site  is
>> >mostly about the club itself.  However, a new page, the "Trader's Page",
>> >is something we are starting to get some interest in.  If you have ham
>> >gear to sell and want a FREE place to list it, this is the place!
>> >
>> >7-3 and we look forward to seeing you soon,
>> >Jim (KB8TNQ)
>>
>> Yea realy nice,,,,, BUT where are they???
>>
>> Bob. G0LBQ - N6XDI
>>
>>      ------------------------------------------------------------
>>      ANTI SPAM SIG -     Reply to         bob@bobshack.demon.co.uk
>>
>>      Read my L.V. trip report & Pics at   www.bobshack.demon.co.uk
>>      ------------------------------------------------------------
>
>If your newsreader can open your web browser (if you have one). Click on
>the site names in the text of the message.


Sorry but I can't see any "WEB SITE" names, just "EMail" addresses,,,

Again,,, "Where are they"??

Bob.
     ------------------------------------------------------------
     ANTI SPAM SIG -     Reply to         bob@bobshack.demon.co.uk

     Read my L.V. trip report & Pics at   www.bobshack.demon.co.uk
     ------------------------------------------------------------




From -5357133622120583272
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,3aee07a9da6da6de
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,3aee07a9da6da6de
X-Google-Attributes: gid107ada,public
```

X-Google-Thread: fa656,be5171f9476dc8be,start
X-Google-Attributes: gidfa656,public
From: Peter Gladh <uuutw@mn.medstroms.se>
Subject: Re: NEW Amateur Web Sites to Visit!
Date: 1997/07/22
Message-ID: <2117.7142T470T2203@mn.medstroms.se>#1/1
X-Deja-AN: 258109459
References: <33D168D0.5F6C03F@aol.com>
<kaozHIAsmm0zEwwb@bobshack.demon.co.uk><33D3A48C.B8588D69@anl.gov>
<dh7N5IAif90zEwk$@bobshack.demon.co.uk>
Newsgroups: rec.radio.amateur.misc,rec.ham-radio,rec.radio.amateur

On the subject Re: NEW Amateur Web Sites to Visit! (21-Jul-97 22:42:58) Doctor Bob wrote:
> Once upon a time while I was planning my next Las Vegas visit
> <33D3A48C.B8588D69@anl.gov>, RGFoster <rgfoster@anl.gov> wrote,
>>Doctor Bob wrote:
>>>
>>> Once upon a time while I was planning my next Las Vegas visit
>>> <33D168D0.5F6C03F@aol.com>, KB8TNQ <kb8tnq@aol.com> wrote,
>>> >Hello all:
>>> >
>>> >We'd like to invite you to visit a couple new Web Sites, dedicated to
>>> >Amateur Radio.
>>> >
>>> >The first, The KB8TNQ Ultimate Amateur Radio Page! is a great source
>>> >for items of Ham interest. With links to a variety of other Ham Pages,
>>> >as well as a weekly update with a "Site O' the Week" and Weather-Related
>>> >Sites, you'll enjoy this one.
>>> >
>>> >And the second, The Central Michigan Amateur Radio Club Web Site is
>>> >mostly about the club itself. However, a new page, the "Trader's Page",
>>> >is something we are starting to get some interest in. If you have ham
>>> >gear to sell and want a FREE place to list it, this is the place!
>>> >
>>> >7-3 and we look forward to seeing you soon,
>>> >Jim (KB8TNQ)
>>>
>>> Yea realy nice,,,,, BUT where are they???
>>>
>>> Bob. G0LBQ - N6XDI
>>>
[snip sig]

>>
>>If your newsreader can open your web browser (if you have one). Click on
>>the site names in the text of the message.

> Sorry but I can't see any "WEB SITE" names, just "EMail" addresses,,,

> Again,,, "Where are they"??

> Bob.
[snip sig]

I think he is talking about the site names in the HTML part of the message.
On the other hand, I will never understand why people use HTML in a newsgroup.

<tsb> No HTML in newsgroups

```
 /�����������������������������������������������������������������������\
/  73' de Peter Gladh  HAM Radio SM0OAX   mailto:peter.g@mn.medstroms.se  \
\�������������������������������������������������������������������������/
 \http://www.mn.medstroms.se/~uuutw/ | AMIGA 4000/040 22Mb RAM 1.08Gb HD /
  \   !!! UNDER CONSTRUCTION !!!     |            ICOM 290E             /
   ���\______________________________|______________________________/���
```

```
From 7379676208423521334
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e1cc3f4518586d22,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,e1cc3f4518586d22,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 1109af,e1cc3f4518586d22,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,e1cc3f4518586d22,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,e1cc3f4518586d22,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f76e2,e1cc3f4518586d22,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f7653,e1cc3f4518586d22,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: fc8b1,e1cc3f4518586d22,start
X-Google-Attributes: gidfc8b1,public
From: gtk@*NOSPAM*mis.haselow.com (Greg Kopp)
Subject: WANTED: Copy of page from 1957 or 1958 callbook
Date: 1997/07/23
Message-ID: <gtk-2307970950300001@gkopp.haselow.com>#1/1
X-Deja-AN: 258313108
Organization: Haselow Marketing Communications
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-
radio.swap,rec.radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.am
ateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.am
ateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateu
r.packet,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.amateur.swap,a
lt.ham-radio.amtor,alt.ham-radio.binaries,alt.ham-radio.dxing,alt.ham-
radio.fm,alt.ham-radio.hf,alt.ham-radio.mods,alt.ham-radio.morse,alt.ham-
radio.nocode,alt.ham-radio.packet,alt.ham-radio.rtty,alt.ham-
radio.slowscan,alt.ham-radio.spread,alt.ham-radio.ssb,alt.ham-radio.vhf-uhf
```

WANTED:

My father is filing a 610-V to get his original callsign back. The FCC has been dragging thier feet with this one. They tell me if it gets denied that he can re-file with some sort of proof that he once held that call. I need to get a copy of a page from a 1957 or 1958 callbook that lists:

K8BDB as Edward L. Kopp in New Philadelphia, OH. I already have a copy of him as KN8BDB, but K8BDB is the call he wants.

If it's something you can scan and send to me, that would be great. Or yo can send it via US Postal Service to:

Greg Kopp KG8O
12508 Bangor Avenue
Garfield Heights, Ohio 44125

I would be glad to pay the cost of copying and postage.

Greg KG8O

--
Replying to this message WILL NOT WORK. Remove "*NOSPAM*" from the address above if you wish to send e-mail.

Greg

From -1928986188152491159
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,3aee07a9da6da6de
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,3aee07a9da6da6de
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,3aee07a9da6da6de
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 107ada,3aee07a9da6da6de
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,3aee07a9da6da6de
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fb049,3aee07a9da6da6de
X-Google-Attributes: gidfb049,public
X-Google-Thread: fddbf,3aee07a9da6da6de
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f4306,3aee07a9da6da6de
X-Google-Attributes: gidf4306,public
From: KB8TNQ <kb8tnq@voyager.net>
Subject: Re: NEW Amateur Web Sites to Visit!
Date: 1997/07/23
Message-ID: <33D5F432.CD2B72EF@voyager.net>#1/1
X-Deja-AN: 258372253

References: <33D168D0.5F6C03F@aol.com>
X-Priority: 3 (Normal)
Organization: Voyager Information Networks, Inc.
Newsgroups: rec.radio.amateur.misc,alt.ham-radio.fm,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,alt.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.packet,rec.rad

--------------1C26F90E412D0D20BD3F60D1
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

To Doctor Bob and Steve, in particular (and anyone else, in general)

If you simply click on the blue, underlined text in the message, this is a hyperlink to both sites. If you've never used one before, they're kind of cool....cuz you don't have to remember a URL, you just go.....

Hope this has been a help to the two of you. And we look forward to having you stop in soon.

7-3,
Jim KB8TNQ

--------------1C26F90E412D0D20BD3F60D1
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

```
<HTML>
To Doctor Bob and Steve, in particular (and anyone else, in general)

<P>If you simply click on the blue, underlined text in the message, this
is a <I>hyperlink</I> to both sites.&nbsp; If you've never used one before,
they're kind of cool....cuz you don't have to remember a URL, you just
go.....

<P>Hope this has been a help to the two of you.&nbsp; And we look forward
to having you stop in soon.

<P>7-3,
<BR>Jim KB8TNQ</HTML>
```

--------------1C26F90E412D0D20BD3F60D1--

From 5938156058470762680
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,3aee07a9da6da6de
X-Google-Attributes: gid1091c5,public

X-Google-Thread: 10c9e3,3aee07a9da6da6de
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,3aee07a9da6da6de
X-Google-Attributes: gidfb049,public
X-Google-Thread: fddbf,3aee07a9da6da6de
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 107ada,3aee07a9da6da6de
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,3aee07a9da6da6de
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f4306,3aee07a9da6da6de
X-Google-Attributes: gidf4306,public
X-Google-Thread: 1009ad,3aee07a9da6da6de
X-Google-Attributes: gid1009ad,public
From: Doctor Bob <bob@antispam.com>
Subject: Re: NEW Amateur Web Sites to Visit!
Date: 1997/07/23
Message-ID: <OUMZERA4Ko1zEwcG@bobshack.demon.co.uk>#1/1
X-Deja-AN: 258469998
Distribution: world
X-NNTP-Posting-Host: bobshack.demon.co.uk [158.152.104.90]
References: <33D168D0.5F6C03F@aol.com> <33D5F432.CD2B72EF@voyager.net>
Organization: Amateur Radio Station
Newsgroups: rec.radio.amateur.misc,alt.ham-radio.fm,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,alt.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.packet,rec.rad

Once upon a time while I was planning my next Las Vegas visit <33D5F432.
CD2B72EF@voyager.net>, KB8TNQ <kb8tnq@voyager.net> wrote,
>To Doctor Bob and Steve, in particular (and anyone else, in general)
>
>If you simply click on the blue, underlined text in the message, this is
>a hyperlink to both sites. If you've never used one before, they're
>kind of cool....cuz you don't have to remember a URL, you just go.....
>
>Hope this has been a help to the two of you. And we look forward to
>having you stop in soon.
>
>7-3,
>Jim KB8TNQ

Jim. I don't want to appear a pain but, there is still no URL either in
blue or any other colour.

(NOT wanting to teach you to suck eggs, but...) You must remember that
most of the users only have a 'normal' ASCCI text type of a news reader
programme. They can't read hypertext messages (Like what you are posting
in)
Many people use some form of 'Off Line Reader' (Like I do) not using
Netscrape or Microsloth Explorer and have to download every message all
in one go (mail or news)

I would like to have a look around your site, but unfortunatly it still
eludes me. (I've got an Amiga Ham site link from my site, give us a
link if you want?)

Feel free to post it here or send it to me direct. Thanks Jim.
(Post it in normal ASCCI text please!)

73 Bob G0LBQ - N6XDI.

```
     -------------------------------------------------------------
     ANTI SPAM SIG -     Reply to         bob@bobshack.demon.co.uk

     Read my L.V. trip report & Pics at   www.bobshack.demon.co.uk
     -------------------------------------------------------------
```

From 5831820208355553644
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,3aee07a9da6da6de
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,3aee07a9da6da6de
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,3aee07a9da6da6de
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,3aee07a9da6da6de
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,3aee07a9da6da6de
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f4306,3aee07a9da6da6de
X-Google-Attributes: gidf4306,public
X-Google-Thread: fb049,3aee07a9da6da6de
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1009ad,3aee07a9da6da6de
X-Google-Attributes: gid1009ad,public
From: jkk@galactose.mc.duke.edu (John Kuzenski)
Subject: Re: NEW Amateur Web Sites to Visit!
Date: 1997/07/24
Message-ID: <5r68uh$kb6$1@news.duke.edu>#1/1
X-Deja-AN: 258453295
Distribution: world
References: <33D168D0.5F6C03F@aol.com> <33D5F432.CD2B72EF@voyager.net>
<OUMZERA4Ko1zEwcG@bobshack.demon.co.uk>
Followup-To: rec.radio.amateur.misc,alt.ham-radio.fm,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,alt.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.packet,rec.rad
Organization: Duke University, Durham, NC, USA
Newsgroups: rec.radio.amateur.misc,alt.ham-radio.fm,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,alt.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.packet,rec.rad

Doctor Bob (bob@antispam.com) wrote:

```
: >If you simply click on the blue, underlined text in the message, this is
: >a hyperlink to both sites.  If you've never used one before, they're

: Jim. I don't want to appear a pain but, there is still no URL either in
: blue or any other colour.
: (NOT wanting to teach you to suck eggs, but...) You must remember that
: most of the users only have a 'normal' ASCCI text type of a news reader

I didn't want to mention it, but it's worth noting that a lot
of us OFs use a plain ol' Unix reader, not one of these newfangled
GUI gadgets.  ;-)  Heck, when I was a boy, I had to walk through
deep snow, 5 miles to school--and it was uphill BOTH WAYS!

:-)

It's not a big hairy deal, but the truth is, a LOT of folks
still use the primitive text-based readers we grew up with before
all the AOLers started showing up with.

BTW, that snow I had to walk through, to school?  It was in
South Louisiana--and since it practically never freezes there,
it was one UGLY snow to have to walk through!  ;-)  73!
     --Ken
_______________________________________________
Ken Kuzenski    AC4RD   kuzen001@acpub.duke.edu
jkk@galactose.mc.duke.edu   Fidonet: 1:3641/1.1
_______________________________________________
     All standard disclaimers apply.
      Close cover before striking.
         Your mileage may vary.
```

```
From -4385314776963644222
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,3aee07a9da6da6de
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,3aee07a9da6da6de
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,3aee07a9da6da6de
X-Google-Attributes: gid107ada,public
X-Google-Thread: fddbf,3aee07a9da6da6de
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 1009ad,3aee07a9da6da6de
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fb049,3aee07a9da6da6de
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,3aee07a9da6da6de
X-Google-Attributes: gidf76e2,public
```

X-Google-Thread: f4306,3aee07a9da6da6de
X-Google-Attributes: gidf4306,public
From: KB8TNQ <kb8tnq@voyager.net>
Subject: Re: NEW Amateur Web Sites to Visit!
Date: 1997/07/24
Message-ID: <33D750FC.4BA003D8@voyager.net>#1/1
X-Deja-AN: 258544966
References: <33D168D0.5F6C03F@aol.com> <33D5F432.CD2B72EF@voyager.net>
<OUMZERA4Ko1zEwcG@bobshack.demon.co.uk> <5r68uh$kb6$1@news.duke.edu>
X-Priority: 3 (Normal)
Organization: Voyager Information Networks, Inc.
Newsgroups: rec.radio.amateur.misc,alt.ham-radio.fm,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,alt.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.packet,rec.rad

John: Sorry for the trouble. I was informed of this last night and
re-submitted my addresses and a note this afternoon. if you will look
for the new post, I included only the URLs for both pages, eliminating
the links.

I apologize again, and since I am new to this environment, I assumed (I
know) that everyone saw what I saw.

Thanks again and I appreciate your help....BTW, the egg lesson was
great, but the snow job is gettin deep....hi hi

7-3,
Jim KB8TNQ

From -2729221592415444900
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b8043a10895a3782
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,b8043a10895a3782
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,b8043a10895a3782
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108122,b8043a10895a3782
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,b8043a10895a3782
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 11480d,b8043a10895a3782
X-Google-Attributes: gid11480d,public
From: Dave Potter <dpotter@bbn.com>
Subject: Re: Need help with selecting equipment!!
Date: 1997/07/24
Message-ID: <33D7963C.6100@bbn.com>#1/1
X-Deja-AN: 258629115
References: <matth-ya02408000R1507972101010001@news.netacc.net>

Organization: BBN Systems & Technologies
Reply-To: dpotter@bbn.com
Newsgroups: rec.ham-radio,,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.swap

Matt Hicks wrote:
>
> I am looking for help selecting a new rig, I am just starting out in
> this hobby and am looking for a transeiver with 6M and 2M (any additional
> wouldn't hurt) or an HF w/ 6M and 2M. I am looking to spend about $1,000
> for my entire setup, at the moment I am looking at the Icom IC-706MKII, it
> is a HF+6M+2M, a little more than I wanted to spend but will if it is all I
> can find.
>
> If you can help me or give me some info (antenna info as well) please
> send me e-mail at: Matth@netacc.net, or at lease forward a copy to my
> e-mail, thanks in advance!!!
>
> Matt
>
> matth@netacc.net

Matt,

Welcome to the hobby!

I think that the only rig currently available that has HF, 6M, and 2M is the IC-706. There is an earlier version that is now discounted to around the kilobuck range if you can find it, or look on rec.radio.swap for a used one. I'd go for the latest one, though, and get all the fixes.

The other choice is a decent HF rig and transverters, but your budget doesn't leave much wiggle room for that route. I operate on HF with one rig, on 6M with a rig that is HF+6, and on 2 with a nice 2M rig. I've been accumulating this stuff for quite a while, though. I think the 706 is a very good choice for your needs.

Look at the weak signal portions of the VHF bands. They are a lot more fun than the repeaters.

73

Dave
K1MBO

From -8756806810583761395
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,3aee07a9da6da6de

X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,3aee07a9da6da6de
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,3aee07a9da6da6de
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 107ada,3aee07a9da6da6de
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,3aee07a9da6da6de
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f4306,3aee07a9da6da6de
X-Google-Attributes: gidf4306,public
X-Google-Thread: fb049,3aee07a9da6da6de
X-Google-Attributes: gidfb049,public
X-Google-Thread: 1009ad,3aee07a9da6da6de
X-Google-Attributes: gid1009ad,public
From: Duane <waskunk@wolfenet.com>
Subject: Re: NEW Amateur Web Sites to Visit!
Date: 1997/07/24
Message-ID: <33D83E5B.2719@wolfenet.com>#1/1
X-Deja-AN: 258671195
References: <33D168D0.5F6C03F@aol.com> <33D5F432.CD2B72EF@voyager.net>
Organization: Washington Skunk
Reply-To: waskunk@wolfenet.com
Newsgroups: rec.radio.amateur.misc,alt.ham-radio.fm,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,alt.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.packet,rec.rad

I never found his "hypertext" link either and I am using Netscape
to read newsgroups. I did however find his site (on my first try)
with the Altavista search engine. Where there's a will there's a
way!

It is http://kb8uyz.com/kb8tnq/

73, Duane n0ze

KB8TNQ wrote:
>
> To Doctor Bob and Steve, in particular (and anyone else, in general)
>
> If you simply click on the blue, underlined text in the message, this
> is a hyperlink to both sites. If you've never used one before,
> they're kind of cool....cuz you don't have to remember a URL, you just
> go.....
>
> Hope this has been a help to the two of you. And we look forward to
> having you stop in soon.
>
> 7-3,

> Jim KB8TNQ

From 7734097931412454390
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b9364cc323ff4ebc,start
X-Google-Attributes: gid10c9e3,public
From: "Daniel Bell, Jr. " <kc4oxp@avana.net>
Subject: FT-50R Questions
Date: 1997/07/25
Message-ID: <01bc9a97$97920680$3f3d2acf@Avana.avana.net>#1/1
X-Deja-AN: 258843093
X-NNTP-Posting-Host: 207.42.61.63
Newsgroups: rec.ham-radio

I am awaiting a replacement manual from Yaesu for my FT-50R, I have tons of questions that I would like to ask someone that has one of these radios, i.e. how to program the darn thing!!! hi hi

Seriously, what about fm radio broadcast, i.e. 107.5 fm I can hear the station, however it sounds terrible at best, and then what about AM radio stations i.e. 750.00 ANY help would be greatly appreciated!

73 Daniel KC4OXP

KC4OXP@QSL.NET

From 4142273913793817254
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e3ce5c08c6a59f84,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,e3ce5c08c6a59f84,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,e3ce5c08c6a59f84,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,e3ce5c08c6a59f84,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 13274a,e3ce5c08c6a59f84,start
X-Google-Attributes: gid13274a,public
From: sdickson@iamerica.net*SPAM-HATER (Scott)
Subject: Ten-Tec Model no. 555 SCOUT TRANSCEIVER
Date: 1997/07/25
Message-ID: <33d8ef0e.78207913@news.iamerica.net>#1/1
X-Deja-AN: 258905909
Organization: LDS I-America
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur,rec.ham-radio,rec.ham-radio.swap,iamerica.amateur.radio

I am looking at options for my 1st HF rig. Cost is a high concern at this point. I am not opposed to used equipment.

I've heard that Ten-Tec makes good stuff.

I would welcome any feedback on this transceiver:

Ten-Tec Model no. 555 SCOUT TRANSCEIVER

Thanks
73
Scott Dickson, soon to be ham
sdickson@iamerica.net

```
From -8803918932135175790
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,787eb36413a787a6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,787eb36413a787a6,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,787eb36413a787a6,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,787eb36413a787a6,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,787eb36413a787a6,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,787eb36413a787a6,start
X-Google-Attributes: gidfa656,public
From: "MICHAEL SMITH" <mjs@now-online.com>
Subject: WANTED 440 AMP ANY CONDITION
Date: 1997/07/26
Message-ID: <01bc99dd$b7329960$075bcecf@mjs>#1/1
X-Deja-AN: 259058555
Organization: Internet Access Group [www.iagnet.net] Abuse:abuse@iagnet.net
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap
```

I AM LOOKING FOR A 440 AMP WITH AROUND 50 WATTS OF OUTPUT POWER. 2 TO 10 WATTS IN. WORKING OR NOT. E-MAIL WITH INFO. THANKS MIKE...
--
mjs@now-online.com

```
From 8568140714187389445
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3a75e5b90578c50e,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-Thread: 1109af,3a75e5b90578c50e,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108122,3a75e5b90578c50e,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,3a75e5b90578c50e,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,3a75e5b90578c50e,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,3a75e5b90578c50e,start
X-Google-Attributes: gid1031c8,public
From: "MICHAEL SMITH" <mjs@now-online.com>
Subject: WANTED--440 PRE AMP
Date: 1997/07/26
Message-ID: <01bc99de$e976d5c0$075bcecf@mjs>#1/1
X-Deja-AN: 259068611
Organization: Internet Access Group [www.iagnet.net] Abuse:abuse@iagnet.net
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.swap

I AM LOOKING FOR A 440 PRE-AMP. WOULD PREFER A GAS-FET. DOES NOT NEED TO
SWITCH OUT FOR TX...   E-MAIL ME WITH INFO THANKS MIKE...
--
mjs@now-online.com

From 3181996579956879432
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c40b1a68fbe922d9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,c40b1a68fbe922d9,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc2a5,c40b1a68fbe922d9,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,c40b1a68fbe922d9,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,c40b1a68fbe922d9,start
X-Google-Attributes: gid107ada,public
From: "MICHAEL SMITH" <mjs@now-online.com>
Subject: INFO WANTED ON JOHNSONS FLEETCOM 2
Date: 1997/07/26
Message-ID: <01bc99e0$072ac9e0$075bcecf@mjs>#1/1
X-Deja-AN: 259079514
Organization: Internet Access Group [www.iagnet.net] Abuse:abuse@iagnet.net
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

LOOKING FOR ANY INFO ON JOHNSON FLEETCOM 2 RADIOS. A SERVICE MANUAL WOULD
BE GREAT. BUT REALLY NEED INFO ON TUNNING THE RECIEVER... E-MAIL ME WITH

INFO... THANKS MIKE....
--
mjs@now-online.com

From 1351015989879501078
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4132d0c49c09b876,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,4132d0c49c09b876,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 115af6,4132d0c49c09b876,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: f76e2,4132d0c49c09b876,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 106d41,4132d0c49c09b876,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: fcc6e,4132d0c49c09b876,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 1109af,4132d0c49c09b876,start
X-Google-Attributes: gid1109af,public
From: mrymer@peganet.com (BigMike)
Subject: 55', Three Section Crank Up Tower- Heavy Duty Galvanized, SW Florida
Date: 1997/07/28
Message-ID: <33dde382.1276688@news.peganet.net>#1/1
X-Deja-AN: 259575448
Organization: Pegasus Software & Imaging
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.amateur.antenna,rec.radio.cb,rec.radio.swap

55 Foot, 3 Section Heavy Duty Galvanized Crank-Up Antenna Tower. Cable fairly new but pulleys probably need replacing. Minor surface rust only at base. Purchased used last year but never put up. Tower is located in Cape Coral Florida which is on the SW Coast. This tower is approx 24' long in it's down position and weighs about 250-300 pounds. First $175.00 CASH (FIRM) takes it away. Don't miss this one. Please e-mail me with any questions you might have about this tower.

mrymer@peganet.com

Thanks,
Mike

From 3757438495417438886
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c40b1a68fbe922d9
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,c40b1a68fbe922d9

```
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,c40b1a68fbe922d9
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc2a5,c40b1a68fbe922d9
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,c40b1a68fbe922d9
X-Google-Attributes: gidfa656,public
From: "Christopher W. (Chris) Boone" <cboone@earthlink.net>
Subject: Re: INFO WANTED ON JOHNSONS FLEETCOM 2
Date: 1997/07/28
Message-ID: <33DD6A42.17B4@earthlink.net>#1/1
X-Deja-AN: 260029460
References: <01bc99e0$072ac9e0$075bcecf@mjs>
To: MICHAEL SMITH <mjs@now-online.com>
Organization: ABC Radio Networks Engineering Dept - Dallas, Texas <Cboone@abc.com>
Reply-To: cboone@earthlink.net
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec
.radio.amateur.misc


MICHAEL SMITH wrote:
>
> LOOKING FOR ANY INFO ON JOHNSON FLEETCOM 2 RADIOS.  A SERVICE MANUAL WOULD
> BE GREAT.  BUT REALLY NEED INFO ON TUNNING THE RECIEVER... E-MAIL ME WITH
> INFO... THANKS   MIKE....
> --
> mjs@now-online.com

What band is your Fleetcom II on?? VHF or UHF?? I have the UHF manuals
for the 558 and 559 models....Used to work on them at a EFJ shop
15+ years ago...

Chris
WB5ITT




From 2907770948523958824
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,3aee07a9da6da6de
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,3aee07a9da6da6de
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f4306,3aee07a9da6da6de
X-Google-Attributes: gidf4306,public
X-Google-Thread: f76e2,3aee07a9da6da6de
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,3aee07a9da6da6de
X-Google-Attributes: gid107ada,public
X-Google-Thread: fb049,3aee07a9da6da6de
X-Google-Attributes: gidfb049,public
X-Google-Thread: fddbf,3aee07a9da6da6de
```

```
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 1009ad,3aee07a9da6da6de
X-Google-Attributes: gid1009ad,public
From: "Paul Titze VK2THN [HACK.AU.]" <ptitze@astron.physics.usyd.edu.au>
Subject: Re: NEW Amateur Web Sites to Visit!
Date: 1997/07/30
Message-ID: <33DE72C6.686D@astron.physics.usyd.edu.au>#1/1
X-Deja-AN: 260552269
Distribution: inet
References: <33D168D0.5F6C03F@aol.com> <33D5F432.CD2B72EF@voyager.net>
<OUMZERA4Ko1zEwcG@bobshack.demon.co.uk> <5r68uh$kb6$1@news.duke.edu>
<33D750FC.4BA003D8@voyager.net>
Organization: Sydney University
Newsgroups: rec.radio.amateur.misc,alt.ham-radio.fm,alt.ham-radio.packet,alt.ham-
radio.vhf-uhf,alt.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.ham-
radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.packet,rec.rad


I have a website too :)

Paul, VK2THN.


======================================================================
Email      : ptitze@astron.physics.usyd.edu.au
Website    : http://www.physics.usyd.edu.au/~ptitze
Cyberspace: http://www.physics.usyd.edu.au/~ptitze/vrml/vk2thn.wrl
======================================================================




From -1112236220681707688
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d4d82b63d1ef5973,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,d4d82b63d1ef5973,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,d4d82b63d1ef5973,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,d4d82b63d1ef5973,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,d4d82b63d1ef5973,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,d4d82b63d1ef5973,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,d4d82b63d1ef5973,start
X-Google-Attributes: gid1031c8,public
From: "Charles Francer" <francer@gis.net>
Subject: FS MINT POWER SUPPLY
Date: 1997/07/31
Message-ID: <01bc9d75$fe3a4f60$c780dad0@default>#1/1
X-Deja-AN: 260830729
Organization: All USENET -- http://www.Supernews.com
```

Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

FOR SALE - *MINT* Pyramid Gold Series Regulated Power Supply
 Model Number PS-26K
Individual * Amp And Voltage Meters*
Input: 115 VAC 60 Hz 500W Max. Fuse Protected
Front Panel Positive And Negative Output Leads
Power Switch: Illuminated 15Amp 125VAC
Output: Adjustable 6-15VDC 22 Amp Regulated Low Ripple Output
Overload Protection Devices & Protection With Instant Automatic Reset
Over Temperature Protection With Instant Automatic Reset
Built In Cooling Fan
Original Box, Instructions, And Schematic
New Condition
PRICE: $95.00 OBO PLUS SHIPPING. (Shipping Not Negotiable)

Charles Francer N1RPD
PLEASE SEND E-MAIL TO: francer@gis.net

From -3621378603774886867
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267b90c4ab296891,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,267b90c4ab296891,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,267b90c4ab296891,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,267b90c4ab296891,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,267b90c4ab296891,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,267b90c4ab296891,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 107ada,267b90c4ab296891,start
X-Google-Attributes: gid107ada,public
From: "Charles Francer" <francer@gis.net>
Subject: FS Regulated Power Supply
Date: 1997/08/03
Message-ID: <01bc9ffb$985ef960$cd80dad0@default>#1/1
X-Deja-AN: 261932735
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

FOR SALE - **MINT** Pyramid Gold Series Regulated Power Supply
 Model Number PS-26K

Individual * Amp And Voltage Meters*
Input: 115 VAC 60 Hz 500W Max. Fuse Protected
Front Panel Positive And Negative Output Leads
Power Switch: Illuminated 15Amp 125VAC
Output: Adjustable 6-15VDC 22 Amp Regulated Low Ripple Output
Overload Protection Devices & Protection With Instant Automatic Reset
Over Temperature Protection With Instant Automatic Reset
Built In Cooling Fan
**Original Box, Instructions, And Schematic
New Condition
***PRICE: $95.00 OBO PLUS SHIPPING. (Shipping Not Negotiable)

Charles Francer N1RPD
PLEASE SEND E-MAIL TO: francer@gis.net

From -7535412091892327087
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67cc738c7c416ad1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,67cc738c7c416ad1,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fa656,67cc738c7c416ad1,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,67cc738c7c416ad1,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 1109af,67cc738c7c416ad1,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f7653,67cc738c7c416ad1,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: fc8b1,67cc738c7c416ad1,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f76e2,67cc738c7c416ad1,start
X-Google-Attributes: gidf76e2,public
From: gtk@mis.haselow.com (Greg Kopp)
Subject: June 15th - Father's Day Hamfest
Date: 1997/06/02
Message-ID: <gtk-0206971225330001@gkopp.haselow.com>#1/1
X-Deja-AN: 245656381
Organization: Haselow Marketing Communications
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.packet,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.amateur.swap,alt.ham-radio.amtor,alt.ham-radio.binaries,alt.ham-radio.dxing,alt.ham-radio.fm,alt.ham-radio.hf,alt.ham-radio.mods,alt.ham-radio.morse,alt.ham-radio.nocode,alt.ham-radio.packet,alt.ham-radio.rtty,alt.ham-radio.slowscan,alt.ham-radio.spread,alt.ham-radio.ssb,alt.ham-radio.vhf-uhf

Please join us at the sixth annual

Father's Day
Hamfest
Computer Show
Electronics Fleamarket

Sunday, June 15th, 1997
8AM - 1PM (Vendor setup 6AM)

Tickets: $4.00

Vendor Tables:
  Indoor: $11.00
  Outdoor: $4.00

Talk-in: 146.82(-) repeater

For more info contact:

Rich James, N8FIL 1-800-404-2282

or visit our web site at <http://www.cars.org> or

send e-mail to "hamfest@cars.org"

From 536260832302605774
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67cc738c7c416ad1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,67cc738c7c416ad1
X-Google-Attributes: gid1109af,public
X-Google-Thread: fddbf,67cc738c7c416ad1
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fc8b1,67cc738c7c416ad1
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f7653,67cc738c7c416ad1
X-Google-Attributes: gidf7653,public
X-Google-Thread: 107ada,67134adf05b76257,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,67cc738c7c416ad1
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 11480d,67134adf05b76257,start
X-Google-Attributes: gid11480d,public
From: HTA III <htaiii@swbell.net>
Subject: Re: June 15th - Father's Day Hamfest
Date: 1997/06/02
Message-ID: <33931B3D.1BCA@swbell.net>#1/1
X-Deja-AN: 245782022
References: <gtk-0206971225330001@gkopp.haselow.com>
Organization: Southwestern Bell Internet Services
Reply-To: htaiii@swbell.net

Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.packet,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.amateur.swap,alt.ham-radio.amtor,alt.ham-radio.binaries,alt.ham-radio.dxing,alt.ham-radio.fm,alt.ham-radio.hf,alt.ham-radio.mods,alt.ham-radio.morse,alt.ham-radio.nocode,alt.ham-radio.packet,alt.ham-radio.rtty,alt.ham-radio.slowscan,alt.ham-radio.spread,alt.ham-radio.ssb,alt.ham-radio.vhf-uhf

Greg Kopp wrote:
>
> Please join us at the sixth annual
>
> Father's Day
> Hamfest
> Computer Show
> Electronics Fleamarket
>
> Sunday, June 15th, 1997
> 8AM - 1PM (Vendor setup 6AM)
>
> Tickets: $4.00
>
> Vendor Tables:
>   Indoor: $11.00
>   Outdoor: $4.00
>
> Talk-in: 146.82(-) repeater
>
> For more info contact:
>
> Rich James, N8FIL 1-800-404-2282
>
> or visit our web site at <http://www.cars.org> or
>
> send e-mail to "hamfest@cars.org"

> How about a location?????

From 6929022761070731885
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6fd260fb8091c95,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fbcc0,b6fd260fb8091c95,start
X-Google-Attributes: gidfbcc0,public
From: Jason Charles <jcharles@infoblvd.net>
Subject: Video Transmitters
Date: 1997/06/03
Message-ID: <3394602A.508F@infoblvd.net>#1/1

X-Deja-AN: 245885899
Organization: Alfred University
Reply-To: jcharles@infoblvd.net
Newsgroups: rec.ham-radio,rec.models.rc.air

I am looking for a video transmitter and receiver combination for my future R/C Aircraft. I would like to start out as inexpsensive as I can, so a black and white camera with no audio would be fine. If anyone knows of a good package deal, or offer any help on this subject I would greatly appreciate it! Thanks in advance!

Jason
KF4MOU

From -4913402991080672576
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6fd260fb8091c95
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fbcc0,b6fd260fb8091c95
X-Google-Attributes: gidfbcc0,public
From: "Dave VanHorn" <dvanhorn@127.0.0.1>
Subject: Re: Video Transmitters
Date: 1997/06/03
Message-ID: <01bc7069$948ee140$59f135ce@hammer.stonewest.com>#1/1
X-Deja-AN: 245919490
References: <3394602A.508F@infoblvd.net>
Organization: IQuest Internet, Inc.
Newsgroups: rec.ham-radio,rec.models.rc.air

Jason Charles <jcharles@infoblvd.net> wrote in article
<3394602A.508F@infoblvd.net>...
> I am looking for a video transmitter and receiver combination for my
> future R/C Aircraft. I would like to start out as inexpsensive as I can,
> so a black and white camera with no audio would be fine. If anyone knows
> of a good package deal, or offer any help on this subject I would
> greatly appreciate it! Thanks in advance!
>
> Jason
> KF4MOU

The ramsey kit works well, and is an afternoon build.
I think they still have some improvements to make on
grounding and layout, but it works, it's stable, and relatively
small. Use the audio channel with a rat shack voice module
to ID, (it has standard sound subcarrier!)

From -3626250145735641801
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6fd260fb8091c95
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fbcc0,b6fd260fb8091c95
X-Google-Attributes: gidfbcc0,public
From: Adam Parks <adam@adam@wko.com>
Subject: Re: Video Transmitters
Date: 1997/06/03
Message-ID: <5n2aqc$7vv$1@news.wko.com>#1/1
X-Deja-AN: 245937677
References: <3394602A.508F@infoblvd.net>
To: jcharles@infoblvd.net
Organization: WKO Online
Newsgroups: rec.ham-radio,rec.models.rc.air

I think you should try the website: www.supercicuits.com
It might give you some answers.

Adam

From 8523972040556292501
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,f7d2b456bea8f376,start
X-Google-Attributes: gid108228,public
X-Google-Thread: fea50,f7d2b456bea8f376,start
X-Google-Attributes: gidfea50,public
X-Google-Thread: f557d,f7d2b456bea8f376,start
X-Google-Attributes: gidf557d,public
X-Google-Thread: 10c9e3,f7d2b456bea8f376,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fd5d6,f7d2b456bea8f376,start
X-Google-Attributes: gidfd5d6,public
X-Google-Thread: 1009ad,f7d2b456bea8f376,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: f5341,f7d2b456bea8f376,start
X-Google-Attributes: gidf5341,public
X-Google-Thread: f8d61,f7d2b456bea8f376,start
X-Google-Attributes: gidf8d61,public
From: Richard@LOWE.CO.UK (Richard McLachlan)
Subject: Re: Yupiteru Products
Date: 1997/06/03
Message-ID: <865362911snz@LOWE.CO.UK>#1/1
X-Deja-AN: 246305621
References: <01bc717d$dc0cac40$6ae4f3c1@100076>
X-Mail2News-User: Richard@LOWE.CO.UK

X-Mail2News-Path: lowe.demon.co.uk
Organization: Lowe Electronics UK
Reply-To: Richard@LOWE.CO.UK
Newsgroups: alt.ham-radio.marketplace,alt.radio.scanner,alt.radio.scanner.uk,aus.radio.scanner,de.alt.radio-scanner,hh.hamradio,in.ham-radio,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.am

In article <01bc717d$dc0cac40$6ae4f3c1@100076>
martyn@intecc.co.uk "Martyn Allison" writes:

> Hi,
> For the best deal in scanners and Amateur radio, may I suggest a visit to
> the Multicomm2000 web site, I have found them extreamly helpful in the
> past, they offer worldwide shipping of Yupiteru, AOR, Yaesu, Kenwood and
> Icom, to name just a few of the products that they sell, you will find them
> at   http://www.Multicomm2000.com
>
> I know that their web site is not quite finished however from what I saw,
> they are close. They have a used equipment list that is updated every 2
> days
>
> I am sure that adding this site to your Favorate list will result in great
> savings and on the spot information about new products as they become
> available. I understand that a section containing software and shareware
> will be added to their page in the near future.
>
> Best Regards
>
> Martyn
>

Well I never!

Seeing as how the author of this posting owns the company, he would (in the famous words of Mandy Rice Davis) say that, wouldn't he!

Perhaps he suffers from schitzophrenia?

From 1861596050167215576
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2130ebe021089557
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10fe7d,2130ebe021089557
X-Google-Attributes: gid10fe7d,public
X-Google-Thread: fa656,2130ebe021089557

X-Google-Attributes: gidfa656,public
X-Google-Thread: fe552,2130ebe021089557
X-Google-Attributes: gidfe552,public
X-Google-Thread: 11480d,2130ebe021089557
X-Google-Attributes: gid11480d,public
X-Google-Thread: f7653,2130ebe021089557
X-Google-Attributes: gidf7653,public
X-Google-Thread: 114a57,2130ebe021089557
X-Google-Attributes: gid114a57,public
X-Google-Thread: 114671,2130ebe021089557
X-Google-Attributes: gid114671,public
From: philip de cadenet <phil@two-way.demon.co.uk>
Subject: SERVICE MANUAL RED' DESPERATELY!
Date: 1997/06/04
Message-ID: <bn7pkpA6rXlzEwMZ@two-way.demon.co.uk>#1/1
X-Deja-AN: 246100443
Distribution: world
X-NNTP-Posting-Host: two-way.demon.co.uk [194.222.164.190]
References: <01bc67b7$55f7a3a0$0100007f@default>
Organization: advance
Newsgroups: alt.ham-radio.hf,aus.radio.amateur.misc,es.rec.radio.amateur,it.hobby.radioamatori,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.misc,rec.radio.cb,uk.radio.amateur

I have a dud SVGA monitor ; MAG Technology Co., Ltd, Model MX14.
It has FCC ID No: IAWMX14 and is made in Taiwan.
I'm located in England and am happy to cover all costs. I'd rather try
and repair rather than have to spend out on a replacement unit.

73

Phil G4ZOW/M

From -8921380128277223524
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2130ebe021089557
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fe552,2130ebe021089557
X-Google-Attributes: gidfe552,public
X-Google-Thread: 10fe7d,2130ebe021089557
X-Google-Attributes: gid10fe7d,public
X-Google-Thread: 11480d,2130ebe021089557
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,2130ebe021089557
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114a57,2130ebe021089557
X-Google-Attributes: gid114a57,public
X-Google-Thread: f7653,2130ebe021089557
X-Google-Attributes: gidf7653,public

X-Google-Thread: 114671,2130ebe021089557
X-Google-Attributes: gid114671,public
From: Geoff Blake <geoff@palaemon.demon.co.uk>
Subject: Re: SERVICE MANUAL RED' DESPERATELY!
Date: 1997/06/04
Message-ID: <EB9Mn8.3w4@palaemon.demon.co.uk>#1/1
X-Deja-AN: 246137503
References: <01bc67b7$55f7a3a0$0100007f@default> <bn7pkpA6rXlzEwMZ@two-way.demon.co.uk>
X-Mail2News-User: news@palaemon.demon.co.uk
Followup-To: alt.ham-radio.hf,aus.radio.amateur.misc,es.rec.radio.amateur,it.hobby.radioamatori,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.misc,rec.radio.cb,uk.radio.amateur
X-Mail2News-Path: punt-2.mail.demon.net!palaemon.demon.co.uk
Organization: Geoff at home
Newsgroups: alt.ham-radio.hf,aus.radio.amateur.misc,es.rec.radio.amateur,it.hobby.radioamatori,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.misc,rec.radio.cb,uk.radio.amateur

philip de cadenet (phil@two-way.demon.co.uk) wrote:
: I have a dud SVGA monitor ; MAG Technology Co., Ltd, Model MX14.
: It has FCC ID No: IAWMX14 and is made in Taiwan.
: I'm located in England and am happy to cover all costs. I'd rather try
: and repair rather than have to spend out on a replacement unit.

Hi Phil,

I work in the PC maintenance industry and most of the time, manuals for monitors are as rare as rocking horse s**t. I am afraid that it is unlikely that you will get a service manual for any specific monitor. You could try Mauritron. We repair them by guesswork, skill and knowledge of generic monitor design.

What are the symptoms, I might be able to give you some pointers...

Geoff.
--
--
Geoff Blake   geoff@palaemon.demon.co.uk   linux 2.0.29
Chelmsford   g8gnz@g8gnz.ampr.org   i586
Intel create faster processors - Microsoft create slower processes

From -2517610686397264995
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2130ebe021089557
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11480d,2130ebe021089557

X-Google-Attributes: gid11480d,public
X-Google-Thread: f7653,2130ebe021089557
X-Google-Attributes: gidf7653,public
X-Google-Thread: fa656,2130ebe021089557
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114671,2130ebe021089557
X-Google-Attributes: gid114671,public
X-Google-Thread: fe552,2130ebe021089557
X-Google-Attributes: gidfe552,public
X-Google-Thread: 10fe7d,2130ebe021089557
X-Google-Attributes: gid10fe7d,public
X-Google-Thread: 114a57,2130ebe021089557
X-Google-Attributes: gid114a57,public
From: Mark Harrison <j.harrison@medoto.unimelb.edu.au>
Subject: Re: SERVICE MANUAL RED' DESPERATELY!
Date: 1997/06/05
Message-ID: <33962CCE.4433@medoto.unimelb.edu.au>#1/1
X-Deja-AN: 246207086
References: <01bc67b7$55f7a3a0$0100007f@default> <bn7pkpA6rXlzEwMZ@two-way.demon.co.uk>
To: philip de cadenet <phil@two-way.demon.co.uk>
Organization: The Bionic Ear Institute, University of Melbourne, Australia
Reply-To: j.harrison@medoto.unimelb.edu.au
Newsgroups: alt.ham-radio.hf,aus.radio.amateur.misc,es.rec.radio.amateur,it.hobby.radioamatori,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.misc,rec.radio.cb,uk.radio.amateur

philip de cadenet wrote:
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> It has FCC ID No: IAWMX14 and is made in Taiwan.
> I'm located in England and am happy to cover all costs. I'd rather try
> and repair rather than have to spend out on a replacement unit.
>
> 73
>
> Phil G4ZOW/M

I've had lots of trouble finding circuits. Some manufacturers used to include a circuit with the monitor handbook - which is usually thrown out with the original packaging by the owner!

Try looking this WEB site for lots of good info on repairs, components, other info sources:
http://www.paranoia.com/~filipg/HTML/REPAIR/

Some manufacturers (and even repair shops) now have limited service info online. Some are even searchable by monitor type and fault description. They are pretty trese though, like Dead monitor - check R234, etc. Try this one:
http://www.anatekcorp.com/monitor.htm

Some manufacturers like Zenith regard monitors as disposable items and only repair by replacement!!!!

Good luck,
Mark Harrison
harrisonm@mail.medoto.unimelb.edu.au

From 3587822848149506969
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,f7d2b456bea8f376
X-Google-Attributes: gid108228,public
X-Google-Thread: f557d,f7d2b456bea8f376
X-Google-Attributes: gidf557d,public
X-Google-Thread: fea50,f7d2b456bea8f376
X-Google-Attributes: gidfea50,public
X-Google-Thread: 10c9e3,f7d2b456bea8f376
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fd5d6,f7d2b456bea8f376
X-Google-Attributes: gidfd5d6,public
X-Google-Thread: f5341,f7d2b456bea8f376
X-Google-Attributes: gidf5341,public
X-Google-Thread: f8d61,f7d2b456bea8f376
X-Google-Attributes: gidf8d61,public
X-Google-Thread: 1009ad,f7d2b456bea8f376
X-Google-Attributes: gid1009ad,public
From: "Martyn Allison" <martyn@intecc.co.uk>
Subject: Yupiteru Products
Date: 1997/06/05
Message-ID: <01bc717d$dc0cac40$6ae4f3c1@100076>#1/1
X-Deja-AN: 246260729
Organization: Wisper
Newsgroups: alt.ham-radio.marketplace,alt.radio.scanner,alt.radio.scanner.uk,aus.radio.scanner,de.alt.radio-scanner,hh.hamradio,in.ham-radio,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.am

Hi,
For the best deal in scanners and Amateur radio, may I suggest a visit to the Multicomm2000 web site, I have found them extreamly helpful in the past, they offer worldwide shipping of Yupiteru, AOR, Yaesu, Kenwood and Icom, to name just a few of the products that they sell, you will find them at   http://www.Multicomm2000.com

I know that their web site is not quite finished however from what I saw, they are close. They have a used equipment list that is updated every 2 days

I am sure that adding this site to your Favorate list will result in great

```
savings and on the spot information about new products as they become
available. I understand that a section containing software and shareware
will be added to their page in the near future.

Best Regards

Martyn




From -5510568216788660151
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6fd260fb8091c95
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fbcc0,b6fd260fb8091c95
X-Google-Attributes: gidfbcc0,public
From: Don Britton <dbritton@sentex.net>
Subject: Re: Video Transmitters
Date: 1997/06/05
Message-ID: <3396D8F4.6C81@sentex.net>#1/1
X-Deja-AN: 246329585
References: <3394602A.508F@infoblvd.net>
<01bc7069$948ee140$59f135ce@hammer.stonewest.com>
Organization: Sentex Communications
Newsgroups: rec.ham-radio,rec.models.rc.air


Dave VanHorn wrote:
>
> Jason Charles <jcharles@infoblvd.net> wrote in article
> <3394602A.508F@infoblvd.net>...
> > I am looking for a video transmitter and receiver combination for my
> > future R/C Aircraft. I would like to start out as inexpsensive as I can,
> > so a black and white camera with no audio would be fine. If anyone knows
> > of a good package deal, or offer any help on this subject I would
> > greatly appreciate it! Thanks in advance!
> >
> > Jason
> > KF4MOU
>
> The ramsey kit works well, and is an afternoon build.
> I think they still have some improvements to make on
> grounding and layout, but it works, it's stable, and relatively
> small. Use the audio channel with a rat shack voice module
> to ID, (it has standard sound subcarrier!)Hi Jason!
Try http://www.supercircuits.com

they specialize in r/c airborne video images for a reasonable price!
dbritton@sentex.net



From -5216738142858659917
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6fd260fb8091c95
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fbcc0,b6fd260fb8091c95
X-Google-Attributes: gidfbcc0,public
From: SR <scott_reagan@ssa-sa.sel.sony.com>
Subject: Re: Video Transmitters
Date: 1997/06/06
Message-ID: <33983B7B.22E3@ssa-sa.sel.sony.com>#1/1
X-Deja-AN: 246573879
References: <3394602A.508F@infoblvd.net>
<01bc7069$948ee140$59f135ce@hammer.stonewest.com> <3396D8F4.6C81@sentex.net>
Organization: Sony Corporation of America, San Jose, CA
Newsgroups: rec.ham-radio,rec.models.rc.air

Don Britton wrote:
>
> Dave VanHorn wrote:
> >
> > Jason Charles <jcharles@infoblvd.net> wrote in article
> > <3394602A.508F@infoblvd.net>...
> > > I am looking for a video transmitter and receiver combination for my
> > > future R/C Aircraft. I would like to start out as inexpsensive as I can,
> > > so a black and white camera with no audio would be fine. If anyone knows
> > > of a good package deal, or offer any help on this subject I would
> > > greatly appreciate it! Thanks in advance!
> > >
> > > Jason
> > > KF4MOU
> >
> > The ramsey kit works well, and is an afternoon build.
> > I think they still have some improvements to make on
> > grounding and layout, but it works, it's stable, and relatively
> > small. Use the audio channel with a rat shack voice module
> > to ID, (it has standard sound subcarrier!)Hi Jason!
> Try http://www.supercircuits.com
>
> they specialize in r/c airborne video images for a reasonable price!
> dbritton@sentex.net
What is the "Ramsey kit" and where can I get info on it?
Thanks
Scott

From -4162513429595040531
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,caaa8d48d6d67880,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,caaa8d48d6d67880,start
X-Google-Attributes: gid107ada,public
From: dicken@bgnet.bgsu.edu (Chuck Dicken,314 Hayes Hall,3727757,)

Subject: WTB- GE Master Pro-
Date: 1997/06/06
Message-ID: <5n9opk$dkp$1@infoserver.bgsu.edu>#1/1
X-Deja-AN: 246611913
Organization: Bowling Green State University, Bowling Green, OH (USA)
Reply-To: dicken@bgnet.bgsu.edu (Chuck Dicken,314 Hayes Hall,3727757,)
Newsgroups: rec.ham-radio,rec.radio.amateur.misc

The Wood Cnty A.R.C. (Bowling Green, Ohio) is in need of a crystal
element for a G.E. Master Pro base unit. (440 / UHF)
This is a high tolerance crystal subset (crystal, and temperature
compensation components) that plugs into the transmitter.

If you have one (working only hi hi, ours quit) please contact me at
the following address: dicken@bgnet.bgsu.edu

Thankyou and 73 wd8icp

--

From -7494277896219310763
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64258c5fe442dd2f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,64258c5fe442dd2f
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,64258c5fe442dd2f
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,64258c5fe442dd2f
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,64258c5fe442dd2f
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc2a5,64258c5fe442dd2f
X-Google-Attributes: gidfc2a5,public
From: "Christopher W. (Chris) Boone" <cboone@earthlink.net>
Subject: Re: pse help ID GE mobile
Date: 1997/06/06
Message-ID: <33980F85.7371@earthlink.net>#1/1
X-Deja-AN: 246664684
References: <33884F9F.7F53@chatlink.com>
To: "Ron, N7TAW" <ronh@chatlink.com>
Organization: ABC Radio Networks Engineering - Dallas, TEXAS!
Newsgroups: rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.swap,rec.radio.swap,rec.ham-radio

Ron, N7TAW wrote:

>
> I need help finding a schematic for two old GE mobiles (currently used
> as local repeaters), especially the wiring for the control head as the
> controllers are about to be replaced, and the wiring of the old ones us
> a mess.
>
> the numbers listed on the ID plaques are:
>
> RG56TFS66, or N.P. 243349
>
> and
>
> YG56KJJ66, or N.P. 243349

If memory serves, what you have are GE MSTR EXEC II series...one standard
and the other is the IMTS version....Best to use one radio as the rptr.
They are 60 watt models (the 5 in 56) and are in the 150-174 range (the 66 at the end) but they do tune to 2mtrs...
I'll see what I have in my docs on those models...
Chris
WB5ITT

>
> They appear to be the same radios with different options.
>
> Thanks to all,
>
> Ron, N7TA

```
From 6769499982700625457
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67cc738c7c416ad1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,67cc738c7c416ad1
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 1109af,67cc738c7c416ad1
X-Google-Attributes: gid1109af,public
X-Google-Thread: fc8b1,67cc738c7c416ad1
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 11480d,67134adf05b76257
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,67134adf05b76257
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,67cc738c7c416ad1
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f7653,67cc738c7c416ad1
X-Google-Attributes: gidf7653,public
```

From: dmoorman@interaccess.com
Subject: Re: June 15th - Father's Day Hamfest
Date: 1997/06/07
Message-ID: <dmoorman-0706971332490001@d72.dialnet1.interaccess.com>#1/1
X-Deja-AN: 246848888
References: <gtk-0206971225330001@gkopp.haselow.com> <33931B3D.1BCA@swbell.net> <3393244F.6B14@magnolia.net>
Organization: @ times
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.packet,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.amateur.swap,alt.ham-radio.amtor,alt.ham-radio.binaries,alt.ham-radio.dxing,alt.ham-radio.fm,alt.ham-radio.hf,alt.ham-radio.mods,alt.ham-radio.morse,alt.ham-radio.nocode,alt.ham-radio.packet,alt.ham-radio.rtty,alt.ham-radio.slowscan,alt.ham-radio.spread,alt.ham-radio.ssb,alt.ham-radio.vhf-uhf

In article <3393244F.6B14@magnolia.net>, "Richard B. Ahlvin"
<rahlvin@magnolia.net> wrote:

>HTA III wrote:
>>
>> Greg Kopp wrote:
>> >
>> > Please join us at the sixth annual
>> >
>> > Father's Day
>> > Hamfest
>> > Computer Show
>> > Electronics Fleamarket
>> >
>> > Sunday, June 15th, 1997
>> > 8AM - 1PM (Vendor setup 6AM)

>> > How about a location?????
>Where?

The Web page sez it's in Macedonia, Ohio.

Dave, K9SW

--
Dave Moorman Be big, don't belittle!
Downers Grove
Illinois, USA
http://homepage.interaccess.com/~dmoorman/index.html

From 6197637965406575789
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: f557d,63c9e7eb41aa6bcd
X-Google-Attributes: gidf557d,public
X-Google-Thread: 10c9e3,63c9e7eb41aa6bcd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,63c9e7eb41aa6bcd
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: f76e2,63c9e7eb41aa6bcd
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,63c9e7eb41aa6bcd
X-Google-Attributes: gid1109af,public
From: jstrohecker@jnjcs.com (Jim Strohecker)
Subject: Re: FS:HTX-212 MAKE OFFER!
Date: 1997/06/08
Message-ID: <5nd7o9$mj$2@usenet.logical.net>#1/1
X-Deja-AN: 246942102
References: <01bc6c4e$2c714180$943d2acf@avana.net>
Organization: JNJCS
Newsgroups: alabama.birmingham.radio.amateur,in.ham-radio,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap

In article <01bc6c4e$2c714180$943d2acf@avana.net>, KC4OXP@QSL.NET says...
>
>The title says it all. Make REASONABLE offer on this 9 Week old HTX-212
>(2 meter 45 watt) mobile. MUST sell, getting $$$ together to purchase a HF
>Rig.
>Radio comes with a transferable 3 year warrenty from Radio Shack!
>
>E-Mail offers to: KC4OXP@QSL.NET
>
>73 Daniel/KC4OXP

How about $150.00

From -940473304267742693
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67cc738c7c416ad1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,67cc738c7c416ad1
X-Google-Attributes: gid1109af,public
X-Google-Thread: fc8b1,67cc738c7c416ad1
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fddbf,67cc738c7c416ad1
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 107ada,67134adf05b76257
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11480d,67134adf05b76257
X-Google-Attributes: gid11480d,public
X-Google-Thread: fcc6e,67cc738c7c416ad1
X-Google-Attributes: gidfcc6e,public

X-Google-Thread: f7653,67cc738c7c416ad1
X-Google-Attributes: gidf7653,public
From: "Christopher A. King" <cking4@ford.com>
Subject: Re: June 15th - Father's Day Hamfest
Date: 1997/06/09
Message-ID: <339C6F36.4C4A@ford.com>#1/1
X-Deja-AN: 247310983
References: <gtk-0206971225330001@gkopp.haselow.com> <33931B3D.1BCA@swbell.net>
<3393244F.6B14@magnolia.net>
<dmoorman-0706971332490001@d72.dialnet1.interaccess.com>
Organization: Ford Motor Company
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.packet,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.amateur.swap,alt.ham-radio.amtor,alt.ham-radio.binaries,alt.ham-radio.dxing,alt.ham-radio.fm,alt.ham-radio.hf,alt.ham-radio.mods,alt.ham-radio.morse,alt.ham-radio.nocode,alt.ham-radio.packet,alt.ham-radio.rtty,alt.ham-radio.slowscan,alt.ham-radio.spread,alt.ham-radio.ssb,alt.ham-radio.vhf-uhf

dmoorman@interaccess.com wrote:

> The Web page sez it's in Macedonia, Ohio.

They usually have one in Monroe, MI at the county fairgrounds on
Father's Day as well...

C.K.

From -8740758124897111818
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6fd260fb8091c95
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fbcc0,b6fd260fb8091c95
X-Google-Attributes: gidfbcc0,public
From: Richard Kunz <RAKunz@webspan.net>
Subject: Re: Video Transmitters
Date: 1997/06/09
Message-ID: <339CB28B.167D@webspan.net>#1/1
X-Deja-AN: 247332499
References: <3394602A.508F@infoblvd.net>
<01bc7069$948ee140$59f135ce@hammer.stonewest.com> <3396D8F4.6C81@sentex.net>
<33983B7B.22E3@ssa-sa.sel.sony.com>
X-Report-Abuse-To: abuse@mail.webspan.net
Organization: All Saint's Church
Reply-To: RAKunz@webspan.net
NNTP-Posting-Date: 09 Jun 1997 21:57:15 EDT
Newsgroups: rec.ham-radio,rec.models.rc.air

```
SR wrote:
>
> Don Britton wrote:
> >
> > Dave VanHorn wrote:
> > >
> > > Jason Charles <jcharles@infoblvd.net> wrote in article
> > > <3394602A.508F@infoblvd.net>...
> > > > I am looking for a video transmitter and receiver combination for my
> > > > future R/C Aircraft. I would like to start out as inexpsensive as I can,
> > > > so a black and white camera with no audio would be fine. If anyone knows
> > > > of a good package deal, or offer any help on this subject I would
> > > > greatly appreciate it! Thanks in advance!
> > > >
> > > > Jason
> > > > KF4MOU
> > >
> > > The ramsey kit works well, and is an afternoon build.
> > > I think they still have some improvements to make on
> > > grounding and layout, but it works, it's stable, and relatively
> > > small. Use the audio channel with a rat shack voice module
> > > to ID, (it has standard sound subcarrier!)Hi Jason!
> > Try http://www.supercircuits.com
> >
> > they specialize in r/c airborne video images for a reasonable price!
> > dbritton@sentex.net
> What is the "Ramsey kit" and where can I get info on it?
> Thanks
> Scott
Go to http://www.ramseyelectronics.com
Hope this helps.
John



From -177418956729984797
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,561f656d536ee8e4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,561f656d536ee8e4,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f84e8,561f656d536ee8e4,start
X-Google-Attributes: gidf84e8,public
X-Google-Thread: 107ada,561f656d536ee8e4,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 115af6,561f656d536ee8e4,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 10fbd1,561f656d536ee8e4,start
X-Google-Attributes: gid10fbd1,public
X-Google-Thread: f7653,561f656d536ee8e4,start
X-Google-Attributes: gidf7653,public
From: "lisa lowell" <ka0nno@cswnet.com>
```

Subject: Handhelds and printer for sale
Date: 1997/06/09
Message-ID: <01bc7517$9ca6b580$7bd5dacd@lisa-lowell>#1/1
X-Deja-AN: 247405800
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.radio,rec.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.packet

For Sale:
440 handhelds

1. Icom 4AT new battery, wall charger and antenna $75.00

2. Kenwood 41AT battery, wall charger and antenna $75.00

220 handhelds

1. Kenwood TH-315A battery, belt clip, wall charger and antenna $100.00

2. Icom 3AT battery, wall charger and antenna $75.00

add $7.00 per item for shipping and insurance

Printer:
Epson LQ-570+ printer. Used only 4 mo. In new condition. Cost $250.00 will sell for $80.00 plus shipping and insurance. Includes manual

If interested call 501-389-6516 or email at ka0nno@cswnet.com

PS No trade items.

From 1497535578269717406
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,561f656d536ee8e4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115af6,561f656d536ee8e4
X-Google-Attributes: gid115af6,public
X-Google-Thread: 108122,561f656d536ee8e4
X-Google-Attributes: gid108122,public
X-Google-Thread: f7653,561f656d536ee8e4
X-Google-Attributes: gidf7653,public
X-Google-Thread: f76e2,a5bc365ca9c70181,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f84e8,561f656d536ee8e4
X-Google-Attributes: gidf84e8,public
X-Google-Thread: 107ada,561f656d536ee8e4
X-Google-Attributes: gid107ada,public

X-Google-Thread: 10fbd1,561f656d536ee8e4
X-Google-Attributes: gid10fbd1,public
From: "lisa lowell" <ka0nno@cswnet.com>
Subject: Handhelds and printer for sale
Date: 1997/06/09
Message-ID: <01bc7553$95451840$89d5dacd@lisa-lowell>#1/1
X-Deja-AN: 247489804
Organization: All USENET -- http://www.Supernews.com
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.packet,rec.radio.amateur.swap,rec.radio.swap

For Sale:
440 handhelds

1. Icom 4AT , -- Sold

2. Kenwood 41AT--Sold

220 handhelds

1. Kenwood TH-315A battery, belt clip, wall charger and antenna $100.00

2. Icom 3AT--- SOLD

add $7.00 per item for shipping and insurance

Printer:
Epson LQ-570+ printer. Used only 4 mo. In new condition. Cost $250.00 will sell for $80.00 plus shipping and insurance. Includes manual

If interested call 501-389-6516 or email at ka0nno@cswnet.com

PS No trade items.

From 702853748043589433
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64258c5fe442dd2f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,64258c5fe442dd2f
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,64258c5fe442dd2f
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,64258c5fe442dd2f
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,64258c5fe442dd2f
X-Google-Attributes: gidf76e2,public

X-Google-Thread: fc2a5,64258c5fe442dd2f
X-Google-Attributes: gidfc2a5,public
From: n3ab@ptdprolog.net (JRS)
Subject: Re: pse help ID GE mobile
Date: 1997/06/10
Message-ID: <33a0b56d.3359985@news.ptdprolog.net>#1/1
X-Deja-AN: 247333717
References: <33884F9F.7F53@chatlink.com> <33980F85.7371@earthlink.net>
Organization: ProLog - PenTeleData, Inc.
Newsgroups: rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.swap,rec.radio.swap,rec.ham-radio
NNTP-Posting-User: n3ab

On Fri, 06 Jun 1997 08:24:21 -0500, "Christopher W. (Chris) Boone"
<cboone@earthlink.net> wrote:

>Ron, N7TAW wrote:
>>
>> I need help finding a schematic for two old GE mobiles (currently used
>> as local repeaters), especially the wiring for the control head as the
>> controllers are about to be replaced, and the wiring of the old ones us
>> a mess.
>>
>> the numbers listed on the ID plaques are:
>>
>> RG56TFS66, or N.P. 243349
>>
>> and
>>
>> YG56KJJ66, or N.P. 243349
>
>If memory serves, what you have are GE MSTR EXEC II series...one
>standard
>and the other is the IMTS version....Best to use one radio as the rptr.
>They are 60 watt models (the 5 in 56) and are in the 150-174 range (the
>66 at the end) but they do tune to 2mtrs...
>I'll see what I have in my docs on those models...
>Chris
>WB5ITT
>
>>
>> They appear to be the same radios with different options.
>>
>> Thanks to all,
>>
>> Ron, N7TA

Wasn't the first unit listed an Exec I (not the Exec II) that used
tubes for the driver and final (rest of the radio is solid state)? I
used to have RG56TAS66 models on high band that were Exec I units
(from the mid to late 60s I think).

John   N3AB

```
From -1168899122395815347
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e7e8f8d0ef3cc34,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8e7e8f8d0ef3cc34,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f4306,8e7e8f8d0ef3cc34,start
X-Google-Attributes: gidf4306,public
X-Google-Thread: fddbf,8e7e8f8d0ef3cc34,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10fbd1,8e7e8f8d0ef3cc34,start
X-Google-Attributes: gid10fbd1,public
From: bureauym@netvision.net.il (FBIS TA (Engineering)
Subject: - rtty.txt [01/01]
Date: 1997/06/10
Message-ID: <5njroq$fm4_001@netvision.net.il>#1/1
X-Deja-AN: 247415164
Organization: dialup
Reply-To: bureauym@netvision.net.il
Newsgroups: alt.ham-radio.packet,rec.ham-radio,rec.ham-radio.packet,rec.radio.amateur.packet,rec.radio.shortwave
```

BEGIN -- Cut Here -- cut here
Am interested in an off-the-shelf software package that will do the following:

1. Receive incoming RTTY traffic (300 bps ASCII , 7 bit data, odd parity) thru one of the PC's COM ports.

2. Capture and store traffic as individual text files on the PC's hard disk. The 4N's sequence (NNNN) shall be used as EOM marker.

3. User should be able to retrieve, display and print these files according to subject, date or text search string.

4. Some selcall capability is also desired, which means that only text files that contain a user-defined text string are saved on disk, others are ignored.

Comments, remarks and suggestions welcome.
Thanks in advance.

END -- Cut Here -- cut here

```
                    # # # # # # # # # # # # # # # # # # #
                    # Name:   FBIS TA <Engineering>     #
                    # Email:  bureauym@netvision.net.il #
                    # Voice:  +972 3 5176307 5161866    #
                    # Fax:    +972 3 5101247            #
                    # # # # # # # # # # # # # # # # # # #



From -1345399128626479440
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,f7d2b456bea8f376
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,f7d2b456bea8f376
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fea50,f7d2b456bea8f376
X-Google-Attributes: gidfea50,public
X-Google-Thread: f557d,f7d2b456bea8f376
X-Google-Attributes: gidf557d,public
X-Google-Thread: fd5d6,f7d2b456bea8f376
X-Google-Attributes: gidfd5d6,public
X-Google-Thread: f8d61,f7d2b456bea8f376
X-Google-Attributes: gidf8d61,public
X-Google-Thread: f5341,f7d2b456bea8f376
X-Google-Attributes: gidf5341,public
X-Google-Thread: 1009ad,f7d2b456bea8f376
X-Google-Attributes: gid1009ad,public
From: "M Leyland" <masale@globalnet.co.uk>
Subject: Re: Yupiteru Products
Date: 1997/06/10
Message-ID: <01bc75cd$515c9a20$5e527ec2@default>#1/1
X-Deja-AN: 247513321
References: <01bc717d$dc0cac40$6ae4f3c1@100076>
Organization: Home
Newsgroups: alt.ham-
radio.marketplace,alt.radio.scanner,alt.radio.scanner.uk,aus.radio.scanner,de.alt.
radio-scanner,hh.hamradio,in.ham-radio,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,re
c.radio.am


Am I mistook or don't you work for them Martyn? I seem to remember your
name
when I last bought a scanner.

Martyn Allison <martyn@intecc.co.uk> wrote in article
<01bc717d$dc0cac40$6ae4f3c1@100076>...
> Hi,
> For the best deal in scanners and Amateur radio, may I suggest a visit to
> the Multicomm2000 web site, I have found them extreamly helpful in the
> past, they offer worldwide shipping of Yupiteru, AOR, Yaesu, Kenwood and
> Icom, to name just a few of the products that they sell, you will find
them
> at     http://www.Multicomm2000.com
>
> I know that their web site is not quite finished however from what I saw,
```

> they are close. They have a used equipment list that is updated every 2
> days

From -5171039967412819863
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64258c5fe442dd2f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,64258c5fe442dd2f
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,64258c5fe442dd2f
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,64258c5fe442dd2f
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc2a5,64258c5fe442dd2f
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 1031c8,64258c5fe442dd2f
X-Google-Attributes: gid1031c8,public
From: "Ron, N7TAW" <rh@pcez.com>
Subject: Re: pse help ID GE mobile
Date: 1997/06/10
Message-ID: <339DCE55.783C@pcez.com>#1/1
X-Deja-AN: 247547129
References: <33884F9F.7F53@chatlink.com> <33980F85.7371@earthlink.net> <33a0b56d.3359985@news.ptdprolog.net>
To: JRS <n3ab@ptdprolog.net>
Organization: Transport Logic Internet Services
Reply-To: rh@pcez.com
Newsgroups: rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.swap,rec.radio.swap,rec.ham-radio

John,

These things definately have tube finals, but the club has lots of spares and they aren't interested in replacing the rigs at this time.

The stamps on one of the boards shows a "built" date of Dec, '72, so you're in the right ballpark.

If you happen to have any of that old literature laying around, it would be greatly appreciated.

Thanks again,

Ron, N7TAW

JRS wrote:
>
> Wasn't the first unit listed an Exec I (not the Exec II) that used

> tubes for the driver and final (rest of the radio is solid state)? I
> used to have RG56TAS66 models on high band that were Exec I units
> (from the mid to late 60s I think).
>
> John   N3AB

```
From 3328229102510782562
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,44af6490a135a61e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,44af6490a135a61e,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c2ee,44af6490a135a61e,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: f7653,44af6490a135a61e,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: fc2a5,44af6490a135a61e,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 107ada,44af6490a135a61e,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,44af6490a135a61e,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc8b1,44af6490a135a61e,start
X-Google-Attributes: gidfc8b1,public
From: "John P. Earl" <jpearl@interaccess.com>
Subject: HOWARD SAM"S PHOTOFACT FOLDERS
Date: 1997/06/10
Message-ID: <339E0AD9.7286@interaccess.com>#1/1
X-Deja-AN: 247583942
Organization: InterAccess, Chicagoland's Full-Service Internet Provider
Reply-To: jpearl@interaccess.com
Newsgroups:
rec.radio.amateur.boatanchors,rec.radio.amateur,rec.radio.amateur.equipment,rec.ra
dio.amateur.digital.misc,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.ant
iques.radio+phono,rec.ham-radio,rec.ham-radio.swap
```

HOWARD SAM"S PHOTOFACT FOLDERS

HAVE THE FOLLOWING SETS:

148,189,227,240,264,269,304,314,324,347,360,388,371,387,429,481,496,532,542,547,

551,574,594,764,808,873,856,1178,1192 AND 1390.

30 SETS IN ALL.

WILL SHIP ALL FOR MONEY ORDER OF $20.

MOTOROLA CONSUMER PRODUCTS SERVICE MANUALS

ROUGHLY THE SAME VOLUME OF VARIOUS MODELS (EARLY) FOR ANOTHER $20.

REPLY TO dearl@juno.com

From 4170029016332321680
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,f7d2b456bea8f376
X-Google-Attributes: gid108228,public
X-Google-Thread: fea50,f7d2b456bea8f376
X-Google-Attributes: gidfea50,public
X-Google-Thread: 10c9e3,f7d2b456bea8f376
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f557d,f7d2b456bea8f376
X-Google-Attributes: gidf557d,public
X-Google-Thread: fd5d6,f7d2b456bea8f376
X-Google-Attributes: gidfd5d6,public
X-Google-Thread: 1009ad,f7d2b456bea8f376
X-Google-Attributes: gid1009ad,public
X-Google-Thread: f5341,f7d2b456bea8f376
X-Google-Attributes: gidf5341,public
X-Google-Thread: f8d61,f7d2b456bea8f376
X-Google-Attributes: gidf8d61,public
From: mulveyr@ll.aa2ys.ampr.org (Rich Mulvey)
Subject: Re: Yupiteru Products
Date: 1997/06/11
Message-ID: <5nl7bu$mgi$1@node2.frontiernet.net>#1/1
X-Deja-AN: 247600274
References: <01bc717d$dc0cac40$6ae4f3c1@100076>
Organization: Mulvey Home Node
Reply-To: mulveyr@frontiernet.net
Newsgroups: alt.ham-radio.marketplace,alt.radio.scanner,alt.radio.scanner.uk,aus.radio.scanner,de.alt.radio-scanner,hh.hamradio,in.ham-radio,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.am

Guess what, Martyn? I would never buy from a company whose sales representatives have such low standards that they would place poorly disguised "testamonials" when trying to sell their products. If you can't be trusted to be up-front about your affiliation with Multicomm2000, why in the world would we trust you with our money? Liars don't tend to garner much trust from the buying public. "I found them extremely helpful", indeed.

You might want to think about how easily a quick search of Dejanews shows

```
that you are actually part of Multicomm2000.

Now, please go away.


On 5 Jun 97 06:47:44 GMT, Martyn Allison <martyn@intecc.co.uk> wrote:
>Hi,
>For the best deal in scanners and Amateur radio, may I suggest a visit to
>the Multicomm2000 web site, I have found them extreamly helpful in the
>past, they offer worldwide shipping of Yupiteru, AOR, Yaesu, Kenwood and
>Icom, to name just a few of the products that they sell, you will find them
>at     http://www.Multicomm2000.com
>
>I know that their web site is not quite finished however from what I saw,
>they are close. They have a used equipment list that is updated every 2
>days
>
>I am sure that adding this site to your Favorate list will result in great
>savings and on the spot information about new products as they become
>available. I understand that a section containing software and shareware
>will be added to their page in the near future.
>
>Best Regards
>
>Martyn


--
--
Rich Mulvey
mulveyr@frontiernet.net                                  Rochester, NY USA
http://www.frontiernet.net/~mulveyr
Amateur Radio: aa2ys@amsat.org, aa2ys@wb2wxq.#wny.ny.usa




From 2264487177981947903
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,71222758664d562e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,71222758664d562e,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fcc6e,71222758664d562e,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,71222758664d562e,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fddbf,71222758664d562e,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,71222758664d562e,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,71222758664d562e,start
X-Google-Attributes: gid1031c8,public
```

From: gtk@mis.haselow.com (Greg Kopp)
Subject: FOR TRADE: 2 meter Ringo Ranger II - WANT: 440 Ringo
Date: 1997/06/13
Message-ID: <gtk-1306971016350001@gkopp.haselow.com>#1/1
X-Deja-AN: 248138905
Organization: Haselow Marketing Communications
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.swap

I currently have a Cushcraft Ringo Ranger II for 2 meters. I would like to TRADE this for a 440 MHz version of the same antenna.

OR ... I have a Hustler G-6 for 2 meters. I would be willing to trade the G-^ and the Ringo for a dual-band Ringo.

Please e-mail.

From -7858995873818412968
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,750593410d6ff9c6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,750593410d6ff9c6,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fddbf,750593410d6ff9c6,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f4306,750593410d6ff9c6,start
X-Google-Attributes: gidf4306,public
From: "David Walsh" <DavidJWalsh@msn.com>
Subject: Primary College 1997 - SES - GB1PC
Date: 1997/06/13
Message-ID: <01bc76ab12185140LocalHost@default>#1/1
X-Deja-AN: 248162904
Newsgroups: alt.ham-radio.packet,rec.ham-radio,rec.ham-radio.packet,uk.radio.amateur

Hello everybody

From the week begging 7th July 1997, Cheshire Radio Scouting are helping out on PC97.

This event being held in a College in Crewe (Cheshire England) will allow many Primary Childern to experience radio, as one of the activity bases at this non curricular event.

Under the callsign GB1PC, we will be operating on the following bands /modes.

2 meters (144MHz) Voice   2 meters (144MHz) Packet

70 Centermeters (433MHz) Voice   70 Centermeters (433MHz) Packet
6mts (50MHz) Voice

If you are availble to talk to us you will be most welcome to do so.

The callsign for both voice and packet will be GB1PC and the BBS for the station wil be GB1PC@GB7SAM

Many thanks for reading this, and we hope to speak to you.

Cheshire Radio Scouing - Crest@qsl.net
AX25 GX7JOA@GB7LEN.#16.GBR.EU
--
Message sent on behalf of Crest by:

David Walsh - M1AGJ - DavidJWalsh@msn.com

Important - This message has been cross posted to 4 newsgroups. Please take note that a "Reply to newsgroup" will automaticaly send your reply to the above newsgroups to which your reply may not be relevent

---

```
From 5920873366546025883
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e7e8f8d0ef3cc34
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8e7e8f8d0ef3cc34
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,8e7e8f8d0ef3cc34
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f4306,8e7e8f8d0ef3cc34
X-Google-Attributes: gidf4306,public
X-Google-Thread: 10fbd1,8e7e8f8d0ef3cc34
X-Google-Attributes: gid10fbd1,public
From: "Dr. Detlef Bunk" <tjp010@sp2.power.uni-essen.de>
Subject: Re: - rtty.txt [01/01]
Date: 1997/06/13
Message-ID: <33A18573.53E1@sp2.power.uni-essen.de>#1/1
X-Deja-AN: 248173987
References: <5njroq$fm4_001@netvision.net.il>
Organization: University of Essen
Reply-To: tjp010@sp2.power.uni-essen.de
Newsgroups: alt.ham-radio.packet,rec.ham-radio,rec.ham-radio.packet,rec.radio.amateur.packet,rec.radio.shortwave
```

bureauym@netvision.net.il wrote:
>
> BEGIN -- Cut Here -- cut here
> Am interested in an off-the-shelf software package that will do the
> following:

>
> 1. Receive incoming RTTY etc.

Look for the HAMCOM- PC-program.

Regards

From -1170863880817358907
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a43dd65cb6fd64d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,5a43dd65cb6fd64d,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1009ad,5a43dd65cb6fd64d,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 107ada,5a43dd65cb6fd64d,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10ed5f,5a43dd65cb6fd64d,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: f76e2,5a43dd65cb6fd64d,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 108778,5a43dd65cb6fd64d,start
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,5a43dd65cb6fd64d,start
X-Google-Attributes: gidfa656,public
From: <francer@usa1.com>
Subject: FS: 22AMP METERED POWER SUPPLY
Date: 1997/06/15
Message-ID: <01bc79d0$753b24a0$55e1f9cc@default>#1/1
X-Deja-AN: 248672182
Newsgroups: alt.ham-radio,alt.radio.amateur,alt.radio.scanner,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.scanner

FOR SALE - New Condition Pyramid Gold Series Regulated Power Supply Model Number PS-26K
Indididual Amp And Voltage Meters
Input: 115 VAC 60 Hz 500W Max. Fuse Protected
Front Panel Positive And Negative Output Leads
Power Switch: Illuminated 15Amp 125VAC
Output: Adjustable 6-15VDC 22 Amp Regulated Low Ripple Output
Overload Protection Devices & Protection With Instant Automatic Reset
Over Temperature Protection With Instant Automatic Reset
Built In Cooling Fan
Original Box, Instructions, And Schematic

New Condition
PRICE: $95.00 OBO PLUS SHIPPING. (Shipping Not Negotiable)

Charles Francer N1RPD

From -6305194197531948474
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,842511289ffa8988,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,842511289ffa8988,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,842511289ffa8988,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fddbf,842511289ffa8988,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 114a57,842511289ffa8988,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,842511289ffa8988,start
X-Google-Attributes: gidfa656,public
From: gtk@mis.haselow.com (Greg Kopp)
Subject: HELP: KAM (FSK) to Kenwood TS-450S
Date: 1997/06/17
Message-ID: <gtk-1706971001160001@gkopp.haselow.com>#1/1
X-Deja-AN: 249075097
Organization: Haselow Marketing Communications
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,alt.ham-radio.hf

I am trying to get my KAM all mode to do FSK on my Kenwood TS-450S. I wired the plug as directed to the back of the radio (the big 13 pin plug), but I have no luck getting FSK to work. PLUS, when the plug is in the radio, SSB goes to crap. There is so much garbage on my signal, you can't make out any voice, even though kenwood claims that the two are isolated.

Any help you can be in getting these two devices connected would be appreciated.

Greg N8JMS
gtk@mis.haselow.com
n8jms@cars.org
n8jms@n8itp.#neoh.oh.usa.na

From -6698925900282352583
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9d3a74f0fba05d5f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,9d3a74f0fba05d5f,start
X-Google-Attributes: gidfddbf,public

X-Google-Thread: f84e8,9d3a74f0fba05d5f,start
X-Google-Attributes: gidf84e8,public
X-Google-Thread: fa656,9d3a74f0fba05d5f,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f64c6,9d3a74f0fba05d5f,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: f7653,9d3a74f0fba05d5f,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: f4306,9d3a74f0fba05d5f,start
X-Google-Attributes: gidf4306,public
From: "David Walsh" <DavidJWalsh@msn.com>
Subject: Windows CE paltops and Packet?
Date: 1997/06/19
Message-ID: <01bc7900$a36e3180$LocalHost@default>#1/1
X-Deja-AN: 251159494
Newsgroups: alt.ham-radio.packet,rec.ham-radio,rec.ham-radio.packet,rec.radio.amateur,rec.radio.amateur.digital,rec.radio.amateur.digital.misc,uk.radio.amateur

Hello everybody.

After looking at the "new" palmtops with windows CE on them I feel it is a good way of "unlocking" the computer from simple tasks as 4 people seem to want to use the computer at once at the momemt.

Anyway I was wondering if anybody knows if it is possible to use one of these to work on packet radio (specifically the HP 300/ 320LX or the cassiopiea) and what software /hardware is needed.

Many thanks in advance.
--
David Walsh - M1AGJ - DavidJWalsh@msn.com
http://www.wararc.home.ml.org

Important: This message has been cross posted to severn (7) Newsgroups. When replying to this message please make sure your reply is relevent to all newsgroups that you are replying to, if one or more is not please remove it before positng to save bandwith and also to keep postings relevent to newsgroups

From -5321814294943515320
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9d3a74f0fba05d5f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,9d3a74f0fba05d5f
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f7653,9d3a74f0fba05d5f
X-Google-Attributes: gidf7653,public
X-Google-Thread: f4306,9d3a74f0fba05d5f

```
X-Google-Attributes: gidf4306,public
X-Google-Thread: f84e8,9d3a74f0fba05d5f
X-Google-Attributes: gidf84e8,public
X-Google-Thread: fa656,9d3a74f0fba05d5f
X-Google-Attributes: gidfa656,public
X-Google-Thread: f64c6,9d3a74f0fba05d5f
X-Google-Attributes: gidf64c6,public
From: soxlade@clara.net (Stephen Oxlade)
Subject: Re: Windows CE paltops and Packet?
Date: 1997/06/19
Message-ID: <33a9ad00.17341982@news.clara.net>#1/1
X-Deja-AN: 251197638
References: <01bc7900$a36e3180$LocalHost@default>
Newsgroups: alt.ham-radio.packet,rec.ham-radio,rec.ham-
radio.packet,rec.radio.amateur,rec.radio.amateur.digital,rec.radio.amateur.digital
.misc,uk.radio.amateur


On 19 Jun 1997 19:03:32 GMT, "David Walsh" <DavidJWalsh@msn.com>
wrote:

>Hello everybody.
<snip>
>Anyway I was wondering if anybody knows if it is possible to use one of
>these to  work on packet radio (specifically the HP 300/ 320LX or the
>cassiopiea) and what software /hardware is needed.
>
 I recommend you  go for the Psion - either the 3A or 3C. There are
plenty of packet, sat, log and other ham radio type programms for
them. They are great machines but to be fair, I am biased as I have a
3A. Go for it !!!!! :)

Stephen

--
Stephen
soxlade@aol.com
soxlade@clara.net




From 3462638805391240629
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e7e8f8d0ef3cc34
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8e7e8f8d0ef3cc34
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,8e7e8f8d0ef3cc34
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f4306,8e7e8f8d0ef3cc34
X-Google-Attributes: gidf4306,public
X-Google-Thread: 10fbd1,8e7e8f8d0ef3cc34
X-Google-Attributes: gid10fbd1,public
```

From: "bytek" <bytek@tinet.ie>
Subject: Re: - rtty.txt [01/01]
Date: 1997/06/20
Message-ID: <01bc7d6d$fa671c60$bee0869f@veronica>#1/1
X-Deja-AN: 251324319
References: <5njroq$fm4_001@netvision.net.il>
Organization: BY-TEK LIMITED
Newsgroups: alt.ham-radio.packet,rec.ham-radio,rec.ham-radio.packet,rec.radio.amateur.packet,rec.radio.shortwave

have you looked at the PROCOMM PLUS COMMS SOFTWARE ??

I have used this software to handle news wire text at various baud rates and to look for catch words in the file headers for saving files to disk.
The script language for programing procomm plus iseasy to use to set up the for your requirements.
I think DATASTORM is the software house that wrote procomm plus try a search on the Net.
If you require other info please e-mail me at tonyfay@indigo.ie

regards, Tony EI6EQB

bureauym@netvision.net.il wrote in article <5njroq$fm4_001@netvision.net.il>...

```
> BEGIN -- Cut Here -- cut here
> Am interested in an off-the-shelf software package that will do the
> following:
>
> 1. Receive incoming RTTY traffic (300 bps ASCII , 7 bit data, odd
>    parity) thru one of the PC's COM ports.
>
> 2. Capture and store traffic as individual text files on the PC's
>    hard disk. The 4N's sequence (NNNN) shall be used as EOM marker.
>
> 3. User should be able to retrieve, display and print these files
>    according to subject, date or text search string.
>
> 4. Some selcall capability is also desired, which means that only
>    text files that contain a user-defined text string are saved on
>    disk, others are ignored.
>
> Comments, remarks and suggestions welcome.
> Thanks in advance.
>
> END -- Cut Here -- cut here
>
>                      # # # # # # # # # # # # # # # # # # #
>                      # Name:   FBIS TA <Engineering>     #
>                      # Email:  bureauym@netvision.net.il #
>                      # Voice:  +972 3 5176307 5161866    #
>                      # Fax:    +972 3 5101247            #
>                      # # # # # # # # # # # # # # # # # # #
```

>

From -3846908290383327235
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e7e8f8d0ef3cc34
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8e7e8f8d0ef3cc34
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,8e7e8f8d0ef3cc34
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10fbd1,8e7e8f8d0ef3cc34
X-Google-Attributes: gid10fbd1,public
X-Google-Thread: f4306,8e7e8f8d0ef3cc34
X-Google-Attributes: gidf4306,public
From: snslay@postoffice.worldnet..att.net (Steven Slay)
Subject: Re: - rtty.txt [01/01]
Date: 1997/06/29
Message-ID: <33b6bb56.6895480@netnews.worldnet.att.net>#1/1
X-Deja-AN: 253474400
References: <5njroq$fm4_001@netvision.net.il>
<339e315f.17805892@news.fastlink.com.au>
Organization: AT&T WorldNet Services
Newsgroups: alt.ham-radio.packet,rec.ham-radio,rec.ham-radio.packet,rec.radio.amateur.packet,rec.radio.shortwave

On Wed, 11 Jun 1997 05:06:05 GMT, barryo@fastlink.com.au (Barry O'Grady) wrote:

>Amateur RTTY is 45.45 bps baudot, 5 bit data, no parity, and
>commercial RTTY is 50 bps. So your software package is completly
>useless.
>
>
>It's better that you find out now than go around thinking you have
>acheived something. Maybe you can modify it so that it can be used.
>Remember, 45.45 and 50 baud 5 bit code baudot.
>
>Barry
>

Barry, read it again, carefully this time. He isn't selling anything he is "interested in an off-the-shelf software package that will do the :following:" I take it he is lokking to buy something.

So....... as you say,.

"It's better that you find out now than go around thinking you have acheived something."

Steve

From -5089013702710182664
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0cf786974831299,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,c0cf786974831299,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 11480d,c0cf786974831299,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: 107ada,c0cf786974831299,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114aac,c0cf786974831299,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fa656,c0cf786974831299,start
X-Google-Attributes: gidfa656,public
From: "maury" <i862@rocketmail.com>
Subject: 100hours contest
Date: 1997/06/30
Message-ID: <5p8a75$6nr$2@menelao.polito.it>#1/1
X-Deja-AN: 253611670
X-MimeOLE: Produced By Microsoft MimeOLE Engine V4.71.0544.0
Organization: Politecnico di Torino - Italia
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.misc,rec.radio.shortwave,uk.radio.amateur

Just a reminder: tomorrow will start the 100 hours contest
for listeners over HF and sat bands. The rules are in the
contest page on the 425 site:
http://www-dx.deis.unibo.it/htdx/
Good luck
Maury

From 5314192810153020323
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c7227c25423defc9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,c7227c25423defc9,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fdbb7,c7227c25423defc9,start
X-Google-Attributes: gidfdbb7,public
X-Google-Thread: f4306,c7227c25423defc9,start
X-Google-Attributes: gidf4306,public

X-Google-Thread: f5341,c7227c25423defc9,start
X-Google-Attributes: gidf5341,public
X-Google-Thread: 1009ad,c7227c25423defc9,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fbf4d,c7227c25423defc9,start
X-Google-Attributes: gidfbf4d,public
X-Google-Thread: f76e2,c7227c25423defc9,start
X-Google-Attributes: gidf76e2,public
From: "Chris A." <chrisa@www.webwide.net>
Subject: FS: Alinco DJ-580T & more
Date: 1997/07/01
Message-ID: <33B9B1E0.1ADF3777@www.webwide.net>#1/1
X-Deja-AN: 253956005
X-Priority: 3 (Normal)
Organization: C.A. DeZigns Productions Inc.
Reply-To: chrisa@www.webwide.net
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,alt.ham-radio.packet,alt.radio.amateur.club.clarc,alt.radio.scanner,alt.radio.scanner.uk,alt.radio-shack,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.packet,rec.radio.amateur.swap,rec.radio.amateur.homebrew,rec.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.scanner,rec.radio.swap,rec.radio.noncomm

Thanks for taking the time to read this. Here is what I have for sale.
If any more info is needed please e-mail me at the following address.
ChrisA@WebWide.net

Alinco DJ-580T	$250.00
Bearcat BC200XLT	$125.00
Uniden 10 Channel	$45.00
Radio Shack Pro-37	$150.00
Kantronics KPC-3	$100.00

All of this equipment has more to it than listed. If you need more info
e-mail me at (ChrisA@Webwide.net) Make a reasonable offer if price is
not to your expectations.
Thanks
Chris

From -6662481429779723569
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,26c8b14066f46ca2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,26c8b14066f46ca2,start
X-Google-Attributes: gid114aac,public
From: ralph@TeamInfinity.com (Ralph)
Subject: MAJOR HEADS UP: This INTER-dependence Day: UN BAND will PLAY !!!!!
Date: 1997/07/03

Message-ID: <5pg0b8$732@teaminfinity.com>
X-Deja-AN: 254274213
Organization: TEAM INFINITY P.O. BOX 952 Greenbelt, MD 20770 USA
Newsgroups: rec.radio.shortwave,rec.ham-radio

http://TeamInfinity.com/~ralph/decl.interdependence.html
http://TeamInfinity.com/ookkcc.html
http://TeamInfinity.com/urls.html

It has recently come to my attention that this July 4, 1997 will be the first Independence Day where a US Military band does not perform on the steps of the US Capitol.

Instead, this year, the UNITED NATIONS BAND will be performing on the steps of the United States Capitol on "Independence" Day instead of OUR US MILITARY BAND.

I guess it wont be long before we call it INTER-dependence Day, I guess that is just a technicality at this juncture.

ralph@TeamInfinity.com

If you need Congress' Email list let me know.

Below this you will find President Clinton's recent (3/7/97) Press Conference wherein he did NOT refute massive UN/International armed forces presence in US and in fact called for MORE interdependence as opposed to INDEPENDENCE. ralph@TeamInfinity.com

Do you live in Minnesota? Do you know that your government officially, through law, made you a citizen of the world? Were you asked if you wanted to be a citizen of the world? You should be honored to be among the first people in America to hold this status. I supose that now you are ready for One World Government. Congratulations.

Declaration of Interdependence (1976)
>From the Congressional Record, Vol. 122, Part 17, pp. 21076-21077
(94th Congress, 2nd Session)

THE MINNESOTA ENDORSEMENT OF THE DECLARATION OF INTERDEPENDENCE

HON. DONALD M. FRASER OF MINNESOTA
IN THE HOUSE OF REPRESENTATIVES
Monday, June 28, 1976

Mr. FRASER. Mr. Speaker, largely through the efforts of Mr. Lynn M.Elling, the Minnesota Endorsement of the Declaration of Interdependence is a reality.

Enough publicity has attended Henry Steele Commager's effort so that it is unnecessary for me to further identify the Declaration of

Interdependence.

However, I would like to introduce the text of the declaration into the RECORD:

A DECLARATION OF INTERDEPENDENCE

(By Henry Steele Commager)

When in the course of history the threat of extinction confronts mankind, it is necessary for the people of The United States to declare their interdependence with the people of all nations and to embrace those principles and build those institutions which will enable mankind to survive and civilization to flourish.

Two centuries ago our forefathers brought forth a new nation; now we must join with others to bring forth a new world order. On this historic occasion it is proper that the American people should reaffirm those principles on which the United States of America was founded,
[brought to you by:ralph@TeamInfinity.com http://TeamInfinity.com/urls.html]
acknowledge the new crises which confront them, accept the new obligations which history imposes upon them, and set forth the causes which impel them to affirm before all peoples their commitment to a Declaration of Interdependence.

We hold these truths to be self-evident: that all men are created equal; that the inequalities and injustices which afflict so much of the human race are the product of history and society, not of God or nature; that people everywhere are entitled to the blessings of life and liberty, peace and security and the realization of their full potential; that they have an inescapable moral obligation to preserve those rights for posterity; and that to achieve these ends all the people and nations of the globe should acknowledge their interdependence and join together to dedicate their minds and their hearts to the solution of those problems which threaten their survival.

To establish a new world order of compassion, peace, justice and security, it is essential that mankind free itself from the limitations of national prejudice, and acknowledge that the forces that unite it are incomparably deeper than those that divide it--that all people are part of one global community, dependent on one body of resources, bound together by the ties of a common humanity and associated in a common adventure on the planet Earth.

Let us then join together to vindicate and realize this great truth that mankind is one, and as one will nobly save or irreparably lose the heritage of thousands of years of civilization. And let us set forth the principles which should animate and inspire us if our civilization is to survive.

We affirm that the resources of the globe are finite, not infinite, that they are the heritage of no one nation or generation, but of all peoples, nations and of posterity, and that our deepest obligation is to transmit to that posterity a planet richer in material bounty, in beauty and in delight than we found it. Narrow notions of national sovereignty must not be permitted to curtail that obligation.

We affirm that the exploitation of the poor by the rich, and the weak by the strong violates our common humanity and denies to large segments of society the blessings of life, liberty and happiness. We recognize a moral obligation to strive for a more prudent and more equitable sharing of the resources of the earth in order to ameliorate poverty, hunger and disease.

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We affirm that the resources of nature are sufficient to nourish and sustain all the present inhabitants of the globe and that there is an obligation on every society to distribute those resources equitably, along with a corollary obligation upon every society to assure that its population does not place upon Nature a burden heavier than it can bear.

We affirm our responsibility to help create conditions which will make for peace and security and to build more effective machinery for keeping peace among the nations. Because the insensate accumulation of nuclear, chemical and biological weapons threatens the survival of Mankind we call for the immediate reduction and eventual elimination of these weapons under international supervision. We deplore the reliance on force to settle disputes between nation states and between rival groups within such states.

We affirm that the oceans are the common property of mankind whose dependence on their incomparable resources of nourishment and strength will, in the next century, become crucial for human survival, and that their exploitation should be so regulated as to serve the interests of the entire globe, and of future generations.

We affirm that pollution flows with the waters and flies with the winds, that it recognizes no boundary lines and penetrates all defenses, that it works irreparable damage alike to Nature and to mankind--threatening with extinction the life of the seas, the flora and fauna of the earth, the health of the people in cities and the countryside alike--and that it can be adequately controlled only through international cooperation.

We affirm that the exploration and utilization of outer space is a matter equally important to all the nations of the globe and that no nation can be permitted to exploit or develop the potentialities of the planetary system exclusively for its own benefit.

We affirm that the economy of all nations is a seamless web, and that no one nation can any longer effectively maintain its processes of production and monetary systems without recognizing the necessity for collaborative regulation by international authorities.

[brought to you by:ralph@TeamInfinity.com http://TeamInfinity.com/urls.html]

We affirm that in a civilized society, the institutions of science and the arts are never at war and call upon all nations to exempt these institutions from the claims of chauvinistic nationalism and to foster that great community of learning and creativity whose benign function it is to advance civilization and the health and happiness of mankind.

We affirm that a world without law is a world without order, and we call upon all nations to strengthen and to sustain the United Nations and its specialized agencies, and other institutions of world order, and to broaden the jurisdiction of the World Court, that these may preside over a reign of law that will not only end wars but end as well that mindless violence which terrorizes our society even in times of peace.

We can no longer afford to make little plans, allow ourselves to be the captives of events and forces over which we have no control, consult our fears rather than our hopes. We call upon the American people, on the threshold of the third century of their national existence, to display once again that boldness, enterprise, magnanimity and vision which enabled the founders of our Republic to bring forth a new nation and inaugurate a new era in human history.

The fate of humanity hangs in the balance. Throughout the globe, hearts and hopes wait upon us. We summon all Mankind to unite to meet the great challenge.

The Minnesota endorsement is simply that--strong support and endorsement of the Declaration of Interdependence by the political leaders of the State: the Governor and Lieutenant Governor, the majority, and minority leaders of both Houses of the State legislature and the constitutional officers of the State.

In addition, a group of Minnesotans including the chief justice of the Minnesota Supreme Court, both U.S. Senators, the leaders of both major political parties and other important citizens, commended, in a further endorsement, the State officials for lending their names to the project.

Mr. Elling has done a magnificent job. In this 200th year of our independence, the Declaration of Interdependence is an appropriate Bicentennial document, affirming, among other things, those principles upon which the United States was founded and recognizing the new crises that confront us.

The Minnesota endorsement follows:

THE MINNESOTA ENDORSEMENT OF THE DECLARATION OF INTERDEPENDENCE

Recognizing the urgent need to move ahead with this Bicentennial Project, and Further recognizing Minnesota's leadership role in promoting World Citizenship with the first State Declaration,

Be it resolved that it is appropriate and fitting for this great state to offer strong support and endorsement of This Declaration of Interdependence.

Be it further resolved that as a symbol of our support for this
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Declaration, we continue to proudly display the United Nations flag with the United States flag at the State Capitol.

Finally, we urge the leadership of all other states to take similar action.

Effective Law Day, May 1, 1976.
Wendell R. Anderson, Governor, State of Minnesota.
Nicholas D. Coleman, Senate Majority Leader.
Robert O. Ashbach, Senate Minority Leader.
Jim Lord, State Treasurer.
Rudy Perpich, Lt. Governor.
Martin O. Sabo, Speaker of the House.
Joan Growe, Secretary of State.
Warren Spannaus, Attorney General.
Irv Anderson, House Majority Leader.
Henry J. Savelkoul, House Minority Leader.
Robert W. Mattson, State Auditor.

We, the undersigned, commend the State Officials for this endorsement of The Declaration of Interdependence. We urge other states, our nation and
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other nations to follow this example, which is a valuable step in building a World Community of Peace Under Just Law:

Don Fraser, Member of Congress.
Charles H. Slocum, Chairman, Independent-Republicans of Minn.
Earl D. Craig, Jr., President, Mpls. Urban Coalition.
George C. Mastor, President, Minn. State Bar Assn.
T. M. Richter, President, World Federalists Assoc.
Hubert H. Humphrey, U.S. Senator.
David Roe, President, Minn. AFL-CIO.
Robert J. Sheran, Chief Justice, Minn. Supreme Court.
Jerry Jenkins, President, League of Women Voters.
John R. Roach, Archbishop of Minneapolis & St. Paul.
Walter F. Mondale, U.S. Senator.
Rick Scott, Chairman, Minn. DFL Party.
A. C. Lehman, Jr., Exec. Director, Minn. Council of Churches.
C. Peter Magrath, President, University of Minnesota.
John Edie, President, UNA of Minn.

CLINTON does NOT deny UN takeover of US in Press Conference

In fact he takes the opportunity to go into great detail about how what he is NOT denying IS in fact NECESSARY... BTW, I have just heard that FEMA troops in Kentucky and Tennessee that are assisting in the FLOOD are wearing Blue Berets similar if not identical to UN BERETS... ralph@TeamInfinity.com

From the 1997-03-07 Presidential Press Conference:

Q Sir, this is on another subject. We have a very great problem in this country today, and I wonder if you would use your leadership to counteract the rumor-mongers that are abroad in the land [brought to you by:ralph@TeamInfinity.com http://TeamInfinity.com/urls.html] who are spreading all these rumors that are scaring people to death -- large segments of our citizens believe that the United Nations is taking over whole blocks of counties in Kentucky and Tennessee.

THE PRESIDENT: Yes.

Q And some of them, they believe that --

THE PRESIDENT: Now, you all are laughing, but --

Q -- you're going to put us in a concentration camp and you're going to give our army to Russia and all that baloney. Could you do something about this? Because it's hurting the unity of the United States.

THE PRESIDENT: I don't know, because the people who believe that think I'm the problem. (Laughter.) We're all laughing about it, but there is a not insubstantial number of people who believe that there is a plan out there for world domination and I'm trying to give American sovereignty over to the U.N. There was a --I read in our local Arkansas newspaper, one of them the other day had a letter to the editor saying that, there I go again, there's Clinton out there trying to give American sovereignty over to the United Nations.

Let me just say this: For people that are worried about it, I would say, there is a serious issue here that every American has to come to grips with, including Americans that don't much think about foreign policy until some great problem occurs, and that is, how can we be an independent, sovereign nation leading the world in a world that is increasingly interdependent, that requires us to cooperate with other people and then to deal with very difficult circumstances in trying to determine how best to cooperate.

That's the issue that you will all be reporting on for the next week in the Mexico certification issue. Did I do the right thing to certify Mexico? Are the members of Congress who disagree with me right when they say we should have decertified Mexico and then give it a national interest waiver so we could continue to cooperate economically and in others ways?

I strongly believe I was right. But we don't -- if you want to go into that, we can later, but the issue is, we live in an

interdependent world. We have to cooperate with people. We're better off when we do. We're better off with NATO. We're better off with the United Nations. We're better off when these countries can work
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together. So I just think for folks that are worried about this out in the country, they need to be thinking about how -- we're not going to give up our freedom, our independence, but we're not going to go it alone into the 21st century either. We're going to work together and we have to.

El Jeffe, El Capiton, Generalissimo Klintonista speaks out
about the US Constitution:

"When we got organized as a country and we wrote a fairly radical Constitution with a radical Bill of Rights, giving a radical amount of individual freedom to Americans ..."

"And so a lot of people say there's too much personal freedom. When personal freedom's being abused, you have to move to limit it. That's what we did in the announcement I made last weekend on the public housing projects, about how we're going to have weapon sweeps and more things like that to try to make people safer in their communities."

President Bill Clinton, 3-22-94, MTV's "Enough is Enough"

"We can't be so fixated on our desire
to preserve the rights of ordinary Americans ..."

Bill Clinton (USA TODAY, 11 March 1993, page 2A)

Why cant any of these be considered a violation of the oath of office to uphold the Constitution and qualify as TREASON !!

"Gun registration is not enough." Attorney General Janet Reno, December 10, 1993 (Associated Press)

"Waiting periods are only a step. Registration is only a step. The prohibition of private firearms is the goal." - Janet Reno

"What good does it do to ban some guns. All guns should be banned." Sen. Howard Metzanbaum

"Our task of creating a socialist America can only succeed when those who would resist us have been totally disarmed." Sara Brady, Chairman, Handgun Control, to Sen. Howard Metzanbaum, The National Educator, January 1994, Page 3.

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ralph@TeamInfinity.com (I can get you SAPF films/tapes/materials,
"Harry's War" the suppressed film, Tragedy & Hope the book,
US/UN/DontTreadonMe FLAGS, bumperstickers YardSigns & T-Shirts,
inquire)

http://TeamInfinity.com/~ralph/code/t26.html

http://TeamInfinity.com/urls.html

This correspondence in NO WAY represents Save A Patriot Fellowship
(SAPF), but feel free to contact them thru RALPH@TEAMINFINITY.COM

CALL 703-904-7770 ask for document 777
##

TO RECEIVE email from ralph: send email to ralph@TeamInfinity.com and in
the Subject make sure your email address and the word GO-RALPH (no spaces)
is in the subject.

TO STOP RECEIVING email from ralph: send email to ralph@TeamInfinity.com
and in the Subject make sure your email address and the word WHOA-RALPH
(no spaces) is in the subject.

```
From 2552176823284990950
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6354a17ba6c603d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,a6354a17ba6c603d,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 1109af,a6354a17ba6c603d,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fcc6e,a6354a17ba6c603d,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 115af6,a6354a17ba6c603d,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: f76e2,a6354a17ba6c603d,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1009ad,a6354a17ba6c603d,start
```

X-Google-Attributes: gid1009ad,public
From: mrymer@peganet.com (BigMike)
Subject: 55', Three Section Crank Up Tower- Heavy Duty Galvanized, SW Florida
Date: 1997/07/03
Message-ID: <33bbf74e.1862182@news.peganet.net>#1/1
X-Deja-AN: 254339848
Organization: Pegasus Software & Imaging
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.amateur.antenna,rec.radio.cb,rec.radio.swap

55 Foot, 3 Section Heavy Duty Galvanized Crank-Up Antenna Tower. Cable fairly new but pulleys probably need replacing. Minor surface rust only at base. Purchased used last year but never put up. Tower is located in Cape Coral Florida which is on the SW Coast. This tower is approx 24' long in it's down position and weighs about 250-300 pounds. First $175.00 CASH (FIRM) takes it away. Don't miss this one. Please e-mail me with any questions you might have about this tower.

mrymer@peganet.com

Thanks,
Mike

From -2438131942065437652
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,26c8b14066f46ca2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,26c8b14066f46ca2
X-Google-Attributes: gid114aac,public
From: jackmor@iglou.com (Jack Mor)
Subject: Re: MAJOR HEADS UP: This INTER-dependence Day: UN BAND will PLAY !!!!!
Date: 1997/07/03
Message-ID: <jackmor-ya02408000R0307971525150001@news.iglou.com>#1/1
X-Deja-AN: 254348089
Sender: news@iglou.com (News)
X-Nntp-Posting-Host: dp-2-14.iglou.net
References: <5pg0b8$732@teaminfinity.com>
X-Nntp-Posting-User: [unauthenticated]
Organization: J&T Associates, Inc.
Newsgroups: rec.radio.shortwave,rec.ham-radio

In article <5pg0b8$732@teaminfinity.com>, ralph@TeamInfinity.com (Ralph) wrote:

> http://TeamInfinity.com/~ralph/decl.interdependence.html
> http://TeamInfinity.com/ookkcc.html
> http://TeamInfinity.com/urls.html
>
> It has recently come to my attention that this July 4, 1997

> will be the first Independence Day where a US Military band does not
> perform on the steps of the US Capitol.
>
> Instead, this year, the UNITED NATIONS BAND will be performing on the
> steps of the United States Capitol on "Independence" Day instead of OUR US
> MILITARY BAND.
>
> I guess it wont be long before we call it INTER-dependence Day, I guess that
> is just a technicality at this juncture.
>

Ralph,

THE UNITED NATIONS BAND ?
I didn't know that the UN has a band, well good for them.
Jack.

From -2101174682226423838
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,26c8b14066f46ca2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,26c8b14066f46ca2
X-Google-Attributes: gid114aac,public
From: Michael Brandon <Michael_Brandon@rta.nsw.gov.au>
Subject: Re: MAJOR HEADS UP: This INTER-dependence Day: UN BAND will PLAY !!!!!
Date: 1997/07/04
Message-ID: <33BC3D94.E06@rta.nsw.gov.au>#1/1
X-Deja-AN: 254414495
References: <5pg0b8$732@teaminfinity.com>
Organization: Roads & Traffic Authority NSW
Reply-To: Michael_Brandon@rta.nsw.gov.au
Newsgroups: rec.radio.shortwave,rec.ham-radio

And the relevance of this to shortwave radio is?

--
DISCLAIMER - Material and opinions contained within are
solely those of the author and do not necessarily
represent in whole or in part the position of the RTA
Ralph wrote:

From -9036230473764892757
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f068e018f50f647,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,6f068e018f50f647,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,6f068e018f50f647,start

```
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108122,6f068e018f50f647,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1009ad,6f068e018f50f647,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: f76e2,6f068e018f50f647,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 108778,6f068e018f50f647,start
X-Google-Attributes: gid108778,public
X-Google-Thread: 107ada,6f068e018f50f647,start
X-Google-Attributes: gid107ada,public
From: <francer@usa1.com>
Subject: FS: POWER SUPPLY $95 Metered
Date: 1997/07/04
Message-ID: <01bc8840$01eb17c0$a20f82d0@default>#1/1
X-Deja-AN: 254458371
Newsgroups: alt.ham-radio,alt.radio.amateur,alt.radio.scanner,rec.ham-
radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,re
c.radio.amateur.swap,rec.radio.scanner,rec.radio.swap


FOR SALE - MINT Pyramid Gold Series Regulated Power Supply
 Model Number PS-26K
Indididual* Amp And Voltage Meters*
Input: 115 VAC 60 Hz  500W Max. Fuse Protected
Front Panel Positive And Negative Output Leads
Power Switch: Illuminated 15Amp 125VAC
Output: Adjustable 6-15VDC 22 Amp Regulated Low Ripple Output
Overload Protection Devices & Protection With Instant Automatic Reset
Over Temperature Protection With Instant Automatic Reset
Built In Cooling Fan
Original Box, Instructions, And Schematic
**New Condition**
PRICE: $95.00  PLUS SHIPPING. (Shipping Not Negotiable)

Charles Francer N1RPD
PLEASE SEND E-MAIL TO: francer@usa1.com




From 7862577806918658269
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,26c8b14066f46ca2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,26c8b14066f46ca2
X-Google-Attributes: gid114aac,public
From: "Graham" <not@public.com>
Subject: Re: MAJOR HEADS UP: This INTER-dependence Day: UN BAND will PLAY !!!!!
Date: 1997/07/04
Message-ID: <01bc889b$1a594e20$301796d0@graham.surfsouth.com>#1/1
X-Deja-AN: 254579848
References: <5pg0b8$732@teaminfinity.com> <jackmor-
```

ya02408000R0307971525150001@news.iglou.com>
Organization: Surf South, Inc (http://www.surfsouth.com)
Newsgroups: rec.radio.shortwave,rec.ham-radio

You can thank the communist asswipe we have for a president for crap like that.

--
Graham

"Mr President, your proctologist called, they found your head."

From -5519409692384125390
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,2fb03f05d27d68d1,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,2fb03f05d27d68d1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,2fb03f05d27d68d1,start
X-Google-Attributes: gid107ada,public
From: "Bob Snyder" <rsnyder@pcisys.net>
Subject: Help Identify This Key.
Date: 1997/07/07
Message-ID: <01bc8a86$0a46e3c0$bdf7cccf@rocky>#1/1
X-Deja-AN: 255144635
Organization: PCI Systems Inc.
Newsgroups: rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.misc

It's a black military(?) key, large knob about 1" high, larger at the top. There is a base below the knob that is about 1" round. From the knob. the lever goes straight back for about 1.5" with a 1/4" rise. Then the lever becomes horse shoe shaped. In between the horse shoe are the adjustment screws. Behind that is a black plastic cap that covers the connectors. On the left hand side is the sequence: CJB26008A

Thanks in advance for any information.

From 1466612238319047650
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b6d58f15e22a08e
X-Google-Attributes: gid10c9e3,public
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X-Google-Thread: 115af6,9b6d58f15e22a08e
X-Google-Attributes: gid115af6,public
X-Google-Thread: fa656,9b6d58f15e22a08e
X-Google-Attributes: gidfa656,public

X-Google-Thread: 107ada,9b6d58f15e22a08e
X-Google-Attributes: gid107ada,public
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X-Google-Thread: 1165a8,9b6d58f15e22a08e
X-Google-Attributes: gid1165a8,public
X-Google-Thread: 101046,9b6d58f15e22a08e
X-Google-Attributes: gid101046,public
From: Tom@astro.net
Subject: Re: Help!> Amsat still needs funds for Phase 3D satellite.
Date: 1997/05/25
Message-ID: <5ma5kv$ro$1@news.mhv.net>#1/1
X-Deja-AN: 243868700
Distribution: inet
References: <5m5hpo$d4_002@blpm01-252.mcn.net>
<338716da.763266@news.mindspring.com> <5m78rp$rso$1@news.mhv.net>
<33883260.19CF@astron.physics.usyd.edu.au>
X-Server-Date: 25 May 1997 19:58:23 GMT
Organization: MHVNet
Newsgroups: alt.radio,alt.radio.scanner,alt.satellite,aus.radio.amsat,rec.ham-radio,rec.radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.scanner,rec.radio.swap

In article <33883260.19CF@astron.physics.usyd.edu.au>,
ptitze@astron.physics.usyd.edu.au wrote:
>Tom@astro.net wrote:
>>
>> In article <338716da.763266@news.mindspring.com>, sco@sco-inc.com wrote:
>> >fiscus@mcn.net (Vince Fiscus, KB7ADL) wrote:
>> >
>> >>If this were a perfect world, the Phase 3D satellite would already be in
>> >>orbit, but the ESA has postponed our launch to Sept 97. This delay has
> caused
>> >
>> >>Amsat to have a funding shortfall. If you can donate to the Phase 3D
>> >>satellite project please do so. If you can donate more money, please do
> so.
>> >>Your help will be much appreciated! 73
>> >>
>> >I am a member of AMSAT and never understood why a launch delay costs
>> >us more money. Do we have to pay more for storage? If P3D is completed
>> >why does it cost more to launch in Sept vs June?
>>
>> Maybe because they tinker with it until launch time? Find last minute
>> changes? As always, EVERYONE wants MORE money. Like we have a tree full of it
>> in the backyard....
>>
>> Tom
>
>What are you guys complaining about? If we have more time till the launch date
>then we should take that opportunity to make the sat more efficient, robust and
>test it till it is flawless. More work = more money. If we can't get more money

>then I guess we could always store it in a ham's garage for free till the
> launch.
>Does it matter if AMSAT is broke? Amateurs have always managed to build things
> on
>a flee's budjet, good on them :)
>
>Paul, VK2THN.

I have no problem with tinkering and changing things if it will help. It's the money thing I'm talking about. Change for the sake of change is rediculous though. If it isn't broke leave it alone is how I feel. It isn't our fault the rocket isn't going up on time, why should we pay for storage (if that's the reason). More work=more money as far as the sat is concerned is a bogus excuse. Guess the volunteerizm isn't there....I have no problem with asking for donations by the way.

E-mail me at the address below, not with the above address.
That address is to help stop junk e-mail!

Tom Randall Amateur Radio - KB2SMS
trandall@mhv.net Mt. Beacon Amateur Radio Club /ARRL/10-10
Member: AAVSO Solar Division

My Astronomy/Ham radio web site:
http://www1.mhv.net/~trandall/welcome.html

Opinions herein are mine and may not be that of MHV.NET!

From -6071591114304253417
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea04a66d9ccfea9,start
X-Google-Attributes: gid10c9e3,public
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X-Google-Attributes: gid105111,public
X-Google-Thread: 108778,aea04a66d9ccfea9,start
X-Google-Attributes: gid108778,public
From: "MARK STANG" <mark824@wwa.com>
Subject: WTB: MOTOROLA CABLES AND RIB BOX !
Date: 1997/05/25
Message-ID: <01bc68c5$e364a080$f63cf1cf@WWA.wwa.com>#1/1
X-Deja-AN: 243871690
Organization: Preferred Compnay
Newsgroups: alt.radio.amateur,chi.wanted,rec.ham-radio

I NEED THE PROGRAMMING CABLES AND RIB BOX FOR THE MOTOROLA HT1000. IF YOU CAN HELP ME OUT SEND ME A LINE OR TWO. MARK824@WWA.COM

THANKS MARK

From 3918304814670725655
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,98c5b6d365fbfb39
X-Google-Attributes: gid108122,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 107ada,98c5b6d365fbfb39
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
From: "Dave VanHorn" <dvanhorn@127.0.0.1>
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/25
Message-ID: <01bc694d$93944fa0$62f135ce@hammer.stonewest.com>#1/1
X-Deja-AN: 243874075
References: <33874237.7E89@pobox.com> <01bc6901$989ad920$bdee65ce@william-lee> <33887072.4553664@news.mindspring.com>
Organization: IQuest Internet, Inc.
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc

> >bumper to reduce the overall highth. The Wilson K-40 antenna is a good
> >choice as it is shorter but still very effective. Of course you can use a
> >shorter antenna and a small (25-50W) R.F. amplifier to make up for the loss
> >of transmit range.
>
> You can't legally use any amp on the CB band. Anything over 5 w is not
> legal.
>
> >William Lee

Legality dosen't matter. Actual performance dosen't matter. What matters is how can I impress my friends with the amount of money I dumped into this crap.

These guys buy antenna gadgets for insane prices that have absolutely no measurable effects, screw up their audio with processors and reverbs, add in a "roger beep" that's 20 dB overmod, operate on any frequency they can get their gear to run on, (remote control users.. TOO BAD!)

In actual fact, if the band is open, you can work the world with 5W (on 10 meters, where it's legal). If the band is closed, then no amount of power will help. the only use for all this junk is a nightly screaming match. Repeat

in every town out to the edge of ground wave propagation, and it's no
wonder
you can't use CB for anything useful anymore.

Back in my CB days, I used to get a lot of fun by outperforming very
expensive
base stations from a 5W mobile rig. Of course I read and understood the
ARRL antenna handbook, and actually installed my system properly..
The total cost of my antenna mod was about a nickel.

Still, they don't care what problems they cause for other users in the fire
and
police bands, ham bands, TVI.. Just as long as they can out-shout the
idiot down the street, that's what matters.

From -5966576121745163777
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
From: "D.Arnold" <D.Arnold@primocomputers.com>
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/25
Message-ID: <3389048F.5DC4@primocomputers.com>#1/1
X-Deja-AN: 243909555
References: <33874237.7E89@pobox.com> <01bc6901$989ad920$bdee65ce@william-lee>
<33882F4B.4914@radia1.com>
Organization: Datasync Internet
Reply-To: D.Arnold@primocomputers.com
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner

Ernie Stedman wrote:
>
> William Lee wrote:
> >
> > Peter A. Forkes <pforkes@pobox.com> wrote in article
> > <33874237.7E89@pobox.com>...
> > > I'm looking for a CB aerial to mount on my Nissan Pathfinder. The local
> > > installer recommends a $140 Antenna Specialist antenna.
> > > Obviously, since the aerial is the most important part I want to get the
> > > best, but I don't want some huge aerial sticking high up on my car.
> > > What can you suggest?
> > > Peter
> > >
> > >

```
> > Well Peter, you have a real dilemma on your hands. The best mobile antenna
> > for CB would be a 9 foot whip mounted on the roof. Anything else is a
> > compromise. Some people mount this stainless steel whip on their back
> > bumper to reduce the overall highth. The Wilson K-40 antenna is a good
> > choice as it is shorter but still very effective.  Of course you can use a
> > shorter antenna and a small (25-50W) R.F. amplifier to make up for the
loss<<snip>>
> >
> > William Lee
> Wouldn't that be illegal?
only on the pwr out...fcc limit is 5 countem 5 watts

DON KDA95959




From -3619469036039858283
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,98c5b6d365fbfb39
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,98c5b6d365fbfb39
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
From: Andy Moss <andmoss@ibm.net>
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/25
Message-ID: <338911A2.44FA@ibm.net>#1/1
X-Deja-AN: 243918207
References: <33874237.7E89@pobox.com>
To: pforkes@pobox.com
Organization: Trailing-Edge Technologies
Reply-To: enzo@ibm.net
Newsgroups: alt.radio.scanner,rec.ham-
radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc


Peter A. Forkes wrote:
>
> I'm looking for a CB aerial to mount on my Nissan Pathfinder.  The local
> installer recommends a $140 Antenna Specialist antenna.

Antenna Specialists make excellent antennas.  However, 140$ does seem a
little strong!

> Obviously, since the aerial is the most important part I want to get the
> best, but I don't want some huge aerial sticking high up on my car.
> What can you suggest?
```

I would suggest something along the lines or a K40 or Wilson 1000. The quality is acceptable and you should be able to snatch one for much less than 140$.

A 102" whip mounted on one of the back corners of the truck seems to be pretty hip around these parts. however, you'll get better overall performance from a whip like the above-noted mounted in the center of your roof. For best performance, you really have to drill a hole in the roof and mount the antenna permanently. You may not like this idea but let's face it, when you go to sell the truck a small bucket of bondo and some touch up paint will completely conceal it. Either that or just shove in a hole plug and hope for a short buyer. <G>

If you are concerned with being heard, you could install an outboard power amplifier to the rig. Bear in mind this is illegal. However, the noise is often so thick on CB that you need more than 4 watts to "make the trip".

Cheers!

--
Andy Moss
"In God we trust - the rest can pay cash......."

From -2580100973839653309
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f9a68c09938b6ce,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,6f9a68c09938b6ce,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fddbf,6f9a68c09938b6ce,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f4306,6f9a68c09938b6ce,start
X-Google-Attributes: gidf4306,public
From: "David Walsh" <DavidJWalsh@msn.com>
Subject: APRS - British maps?
Date: 1997/05/25
Message-ID: <01bc67e5$0a12b0a0$LocalHost@default>#1/1
X-Deja-AN: 244544752
Newsgroups: alt.ham-radio.packet,rec.ham-radio,rec.ham-radio.packet,uk.radio.amateur

Hello,

Could anybody tell me if you know of any sites where there is maps within Great Britan to download into APRS or if there is anybody who has made any.

Thanks in advance for any information

David Walsh - M1AGJ

Treasurer Widness and Runcorn ARC (WARAR) - http://www.wararc.home.ml.org
Secretary - Cheshire Radio Scouting Technology Team

```
From 8934031455564399764
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10aaeb,8437d19edca5a99d,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 10c9e3,8437d19edca5a99d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f7673,8437d19edca5a99d,start
X-Google-Attributes: gidf7673,public
X-Google-Thread: 1109af,8437d19edca5a99d,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,8437d19edca5a99d,start
X-Google-Attributes: gidf76e2,public
From: "J. Daniel Bell, Jr." <KC4OXP@QSL.NET>
Subject: Computer & 2 meter Mobile For....
Date: 1997/05/25
Message-ID: <01bc6945$2d653a80$ba85f5cd@kc4oxp>#1/1
X-Deja-AN: 245026185
X-NNTP-Posting-Host: 205.245.133.186
Organization: Avana Communications
Newsgroups: alabama.birmingham.radio.amateur,phx.buy-sell-trade,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap
```

I am looking for a Kenwood TS-850SAT or a HF rig somewhere in the same ballpark.. Here is what I have to trade..

I will ALSO include my NEW *7 week old * HTX-212 complete with everything including box, manual, AND 3 year extended warrenty with this deal!

Tower Case
486/33 (8 Megs Ram)
6X Speed CD Drive
16 Bit Soundcard
2.6 Gig Hardrive
(1) 1.4 Meg Disk Drive
800 Meg Tape Backup (Internal) Ditto
28.8 Modem (Internal)
SVGA (1 Meg) Video Card
FM Radio Card (FM Radio Station)
Windows 95 Installed
SVGA 13" Monitor

ALL EQUIPTMENT IS NEW 6 MONTHS AGO EXCEPT FOR THE MONITOR! I put this package together myself.

Looking to trade for a Kenwood TS-850S/AT also in good condition. I checked with HRO Atlanta, they said that it would be a perfect trade. They said $1000 for the TS-850S/AT without tuner $850.

I have about $1100 invested in my computer, and $200 invested in the 2 meter mobile.

Either E-Mail or Call! Here is the information

KC4OXP@QSL.NET
770-867-5156 8AM-10PM

73 Daniel/KC4OXP

From -2376981545928607123
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64258c5fe442dd2f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,64258c5fe442dd2f
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108122,64258c5fe442dd2f
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,64258c5fe442dd2f
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,64258c5fe442dd2f
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc2a5,64258c5fe442dd2f
X-Google-Attributes: gidfc2a5,public
From: n3ab@ptdprolog.net (JRS)
Subject: Re: pse help ID GE mobile
Date: 1997/05/26
Message-ID: <3388e43a.3617475@news.ptdprolog.net>#1/1
X-Deja-AN: 243906514
References: <33884F9F.7F53@chatlink.com>
Organization: ProLog - PenTeleData, Inc.
Newsgroups: rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.swap,rec.radio.swap,rec.ham-radio
NNTP-Posting-User: n3ab

On Sun, 25 May 1997 07:41:35 -0700, "Ron, N7TAW" <ronh@chatlink.com> wrote:

>I need help finding a schematic for two old GE mobiles (currently used
>as local repeaters), especially the wiring for the control head as the
>controllers are about to be replaced, and the wiring of the old ones us
>a mess.
>
>the numbers listed on the ID plaques are:
>
>RG56TFS66, or N.P. 243349
>
>and
>

>YG56KJJ66, or N.P. 243349
>
>They appear to be the same radios with different options.
>
>Thanks to all,
>
>Ron, N7TAW

The first unit sounds like an older GE Exec (not the Exec II). If I recall, this radio may have tube finals. Not sure about the 2nd unit.

John   N3AB

From 4678652029091635246
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,98c5b6d365fbfb39
X-Google-Attributes: gid108122,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 107ada,98c5b6d365fbfb39
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
From: orion@xyzcapital.net
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/26
Message-ID: <33890e5e.33723311@news.capital.net>#1/1
X-Deja-AN: 243927670
References: <33874237.7E89@pobox.com> <01bc6901$989ad920$bdee65ce@william-lee> <33887072.4553664@news.mindspring.com> <01bc694d$93944fa0$62f135ce@hammer.stonewest.com>
Organization: Logical Net
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc

On 25 May 1997 20:54:54 GMT, "Dave VanHorn" <dvanhorn@127.0.0.1> wrote:

>In actual fact, if the band is open, you can work the world with 5W (on 10
>meters, where it's legal). If the band is closed, then no amount of power
>will help. the only use for all this junk is a nightly screaming match.
>Repeat
>in every town out to the edge of ground wave propagation, and it's no
>wonder
>you can't use CB for anything useful anymore.

It's a sad thing that the once usefull and fun C.B. band has been reduced to this. It's also sad that so many people in this once great nation have lowered themselves to this point.

--
73,
Butch
To send mail,
delete the xyz
from my address

From 7410414850242205732
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,98c5b6d365fbfb39
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,98c5b6d365fbfb39
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
From: grohe@galaxy.nsc.com (Paul Grohe)
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/26
Message-ID: <33892016.4866767@139.187.81.1>#1/1
X-Deja-AN: 243971548
Sender: news@nsc.nsc.com (netnews maintenance)
References: <33874237.7E89@pobox.com> <01bc6901$989ad920$bdee65ce@william-lee>
<33887072.4553664@news.mindspring.com>
<01bc694d$93944fa0$62f135ce@hammer.stonewest.com>
<33890e5e.33723311@news.capital.net>
Organization: National Semiconductor
Reply-To: grohe@galaxy.nsc.com
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc

On Mon, 26 May 1997 04:18:22 GMT,
in the newsgroup rec.radio.scanner,
orion@xyzcapital.net
from Logical Net thoughtfully posted:

> On 25 May 1997 20:54:54 GMT, "Dave VanHorn" <dvanhorn@127.0.0.1>
> wrote:

> It's a sad thing that the once usefull and fun C.B. band has been
> reduced to this. It's also sad that so many people in this once great
> nation have lowered themselves to this point.

Count the days until FRS goes the same way. I'm sure there will be idiots trying to "shoot skip" on UHF.

Round' here, the 154 MHz VHF "dot" channels are already plagued
with "I'm stepping on you" idiots. I turned on the radio one
night and swore I was listening to CB channel 14.

It is just amazing what happens when technology is placed into
the hands of the "average" person.

Cheers,
Paul Grohe

```
---------------------------------------------------------------
 Paul Grohe                      National Semiconductor Corp.
 Sr. Electronics Technician      2900 Semiconductor Drive
 Standard Products Apps Group     Mail Stop C2693
 grohe@galaxy.nsc.com            Santa Clara, CA. 95052-8090 USA
 (408) 721-7389 Tel              (408) 721-2513 Fax
----------------------------------------------------------------
```

From 5250357293664549840
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,98c5b6d365fbfb39
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,98c5b6d365fbfb39
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
From: "William Lee" <willee@inwave.com>
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/26
Message-ID: <01bc69d6$876b3840$74f431cf@william-lee>#1/1
X-Deja-AN: 244001918
References: <33874237.7E89@pobox.com> <01bc6901$989ad920$bdee65ce@william-lee>
<33887072.4553664@news.mindspring.com>
<01bc694d$93944fa0$62f135ce@hammer.stonewest.com>
<33890e5e.33723311@news.capital.net> <33892016.4866767@139.187.81.1>
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc

Paul Grohe <grohe@galaxy.nsc.com> wrote in article
<33892016.4866767@139.187.81.1>...
> On Mon, 26 May 1997 04:18:22 GMT,
> in the newsgroup rec.radio.scanner,

```
> orion@xyzcapital.net
> from Logical Net thoughtfully posted:
>
> Round' here, the 154 MHz VHF "dot" channels are already plagued
> with "I'm stepping on you" idiots. I turned on the radio one
> night and swore I was listening to CB channel 14.
>
> It is just amazing what happens when technology is placed into
> the hands of the "average" person.
>
> Cheers,
> Paul Grohe
>
> -----------------------------------------------------------
>  Paul Grohe                      National Semiconductor Corp.
>  Sr. Electronics Technician     2900 Semiconductor Drive
>  Standard Products Apps Group  Mail Stop C2693
>  grohe@galaxy.nsc.com           Santa Clara, CA. 95052-8090 USA
>  (408) 721-7389 Tel             (408) 721-2513 Fax
> ------------------------------------------------------------
>
```

Paul, Perhaps what is needed is a CW test to weed out the undesirables before they get a radio permit. No... wait a minute...... That has already been tried and it did not work very well. Those same idiots got by the test. Oh well.....

William Lee

```
From -3397228810229845627
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,98c5b6d365fbfb39
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,98c5b6d365fbfb39
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
From: "William Lee" <willee@inwave.com>
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/26
Message-ID: <01bc69d6$ff905c60$74f431cf@william-lee>#1/1
X-Deja-AN: 244002586
References: <33874237.7E89@pobox.com> <338911A2.44FA@ibm.net>
Newsgroups: alt.radio.scanner,rec.ham-
radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc
```

Andy Moss <andmoss@ibm.net> wrote in article <338911A2.44FA@ibm.net>...
> Peter A. Forkes wrote:
> >

> If you are concerned with being heard, you could install an outboard
> power amplifier to the rig. Bear in mind this is illegal. However, the
> noise is often so thick on CB that you need more than 4 watts to "make
> the trip".
>
> Cheers!
>
> --
> Andy Moss
> "In God we trust - the rest can pay cash......."
>

Watch out Andy, I gave somewhat of the same advice and was told by many do
good posters that it was illegal to run an amp. on CB.

William Lee

From -711225489338376712
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,98c5b6d365fbfb39
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,98c5b6d365fbfb39
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
From: ckrin@Iamerica.net*no.spam (Charles S. Krin, DO FAAFP)
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/26
Message-ID: <338ebe46.7610484@news.iamerica.net>#1/1
X-Deja-AN: 244039032
References: <33874237.7E89@pobox.com>
Organization: LDS I-America
Reply-To: tosspam@AOL.com
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc

I used to have good luck with a 5/8 wave "Firestick" top loaded coil
type- they've got them as short as 2 ft long, which work very well
even at highway speeds with a 6 inch mag mount set- can get both of
these at your friendly neighborhood truck stop for a total of about

$20! Also works great as a scanner antenna.....but not so hot on 2 M!

ck (proud owner of a 94 Trooper)

"Peter A. Forkes" <pforkes@pobox.com> wrote:

>I'm looking for a CB aerial to mount on my Nissan Pathfinder. The local
>installer recommends a $140 Antenna Specialist antenna.
>Obviously, since the aerial is the most important part I want to get the
>best, but I don't want some huge aerial sticking high up on my car.
>What can you suggest?
>Peter
>

Charles S. Krin, DO FAAFP KC5EVN, Member, PGBFH
remove "nospam*" in the "from" address to reply
"Reckless, Hell! I hit jus' where I was aimin'"
   "Bubba Shot the Jukebox!" Mark Chestnut, 1995

From -1754915015179359296
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,98c5b6d365fbfb39
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,98c5b6d365fbfb39
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
From: Greg Emerson <gregemmy@lni.net>
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/27
Message-ID: <338B0200.5A73@lni.net>#1/1
X-Deja-AN: 244351862
References: <33874237.7E89@pobox.com> <338911A2.44FA@ibm.net>
<01bc69d6$ff905c60$74f431cf@william-lee>
Organization: Technology Dimensions Inc. 114 E Elm Ave Monroe,MI 48162
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc

>Watch out Andy, I gave somewhat of the same advice and was told by many do
>good posters that it was illegal to run an amp. on CB.

I wasn't one of those "do good" posters, but what's so bad about doing
good??? Why be a petty criminal? Just use your 2 meter rig and don't
worry about the CB...or do it with the legal 4 watts. No rocket science
needed here.

Regards,

Greg WG8N

From 8877638042721945752
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,98c5b6d365fbfb39
X-Google-Attributes: gid108122,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
X-Google-Thread: 107ada,98c5b6d365fbfb39
X-Google-Attributes: gid107ada,public
From: aa490@freenet.hamilton.on.ca (Paul Milawski)
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/27
Message-ID: <5metpv$l30@main.freenet.hamilton.on.ca>#1/1
X-Deja-AN: 244405880
References: <33874237.7E89@pobox.com>
Followup-To: alt.radio.scanner,rec.ham-radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc
Organization: Hamilton-Wentworth FreeNet, Ontario, Canada.
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc

Peter A. Forkes (pforkes@pobox.com) wrote:
: I'm looking for a CB aerial to mount on my Nissan Pathfinder. The local
: installer recommends a $140 Antenna Specialist antenna.
: Obviously, since the aerial is the most important part I want to get the
: best, but I don't want some huge aerial sticking high up on my car.
: What can you suggest?
: Peter

The best performance will be had by using a full length 1/4 wave whip (102"). They actually look OK on a pathfinder when mounted on the back bumper at one corner.

If you desire a somewhat shorter antenna, and don't mind mounting it on the roof, then a base-loaded whip will perform well. There's basically 2 kinds of these (this is oversimplified, but will give you an idea of what's important for efficiency)

1) Steel whips about 35" long. They tend to radiate mostly from the whip; the bottom loading coil is used mainly for matching.

2) Steel whips about 51" long. These usually are designed so that the coil radiates some of the signal as well as the whip. They

tend to be more efficient than the #1 type. (K40 is one of many in this class)

All bottom loaded antennas perform poorly if the coil isn't positioned so that it's free of metal obstructions.

If you want to mount a whip off the corner bumpers or side of a vehicle and don't want the size of a 9' whip, then I'd recommend using a top loaded whip (your standard 4' white truckers antenna). These antennas move the current node as far up the whip as possible which increases efficiency, and are better able to deal with unusual ground plane irregularities found when corner-mounting.

Paul

--

From -2740521669984787224
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,98c5b6d365fbfb39
X-Google-Attributes: gid108122,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
X-Google-Thread: 107ada,98c5b6d365fbfb39
X-Google-Attributes: gid107ada,public
From: Andy Moss <andmoss@ibm.net>
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/27
Message-ID: <338BA59A.711D@ibm.net>#1/1
X-Deja-AN: 244451408
References: <33874237.7E89@pobox.com> <338911A2.44FA@ibm.net> <01bc69d6$ff905c60$74f431cf@william-lee>
Organization: Trailing-Edge Technologies
Reply-To: enzo@ibm.net
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc

William Lee wrote:

> > If you are concerned with being heard, you could install an outboard
> > power amplifier to the rig. Bear in mind this is illegal. However, the
> > noise is often so thick on CB that you need more than 4 watts to "make
> > the trip".

> Watch out Andy, I gave somewhat of the same advice and was told by many do

> good posters that it was illegal to run an amp. on CB.

Well, I'm not saying that anyone should buy an amplifier just because damn near everyone else has one. <G>

The reality of the situation is that you need a lot of grunt just to get across the street when the noise level is high. The standard mobile install of a VHF-lo commercial two-way radio is 50Watts, with most running 80W+. For VHF it is 25Watts and UHF 25Watts as well. Most repeaters are running 50-100Watts.

If 5Watts is "good enough for anybody", I've seen no evidence of that!

Cheers!

--
Andy Moss
"In God we trust - the rest can pay cash......."

From -5559725339529073942
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: andy@tiedye.com (The Tie-Dyed Side of the Force)
Subject: Re: Amateur Exams (was: Re: CW should die, not the "hobby")
Date: 1997/05/28
Message-ID: <5mgfe3$gtk@masters0.InterNex.Net>#1/1
X-Deja-AN: 244409241
References: <33236044.339E@kerrlake.com> <01bc5956$e2ad50c0$783b8080@cbx-nt>
<33716880.1E <01bc6217$33db2120$e690f5ce@wa6vse.fast.net>
<5li4n4$666@news.service.uci.edu> <01bc6265$e000d0a0$189cf5ce@wa6vse.fast.net>
<337DE81D.457A@ix.netcom.com> <5m1n1c$7o2@mgate.arrl.org>
Organization: InterNex Information Services 1-800-595-3333
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <5m1n1c$7o2@mgate.arrl.org>,
   "Ed Hare, W1RFI" <ehare@arrl.org> wrote:
>If we assume that the FCC is peramanently out of the exam business, how
>could we devise an exam system that would be reasonably consistent
>without a question pool?

The question pool can be a computer program. The source for the program and the data files would be available.   The program could fill in different values each time for formula questions as well as some of the ones on regulations. This would not affect the technical content of the questions, but it would prevent applicants from learning only the answers to the questions in the book.

From -1341484178794366643
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,98c5b6d365fbfb39
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,98c5b6d365fbfb39
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
From: aruder@pipeline.com (Lou or Annette Hinshaw)
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/28
Message-ID: <5mhpvl$5m3@camel1.mindspring.com>#1/1
X-Deja-AN: 244524508
References: <33874237.7E89@pobox.com> <01bc6901$989ad920$bdee65ce@william-lee>
X-Server-Date: 28 May 1997 17:28:21 GMT
Organization: MindSpring Enterprises, Inc.
Reply-To: aruder@pipeline.com
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc

"William Lee" <willee@inwave.com> wrote:

>Peter A. Forkes <pforkes@pobox.com> wrote in article
><33874237.7E89@pobox.com>...
>> I'm looking for a CB aerial to mount on my Nissan Pathfinder. The local
>> installer recommends a $140 Antenna Specialist antenna.
>> Obviously, since the aerial is the most important part I want to get the
>> best, but I don't want some huge aerial sticking high up on my car.
>> What can you suggest?
>> Peter
>>
>>
>Well Peter, you have a real dilemma on your hands. The best mobile antenna
>for CB would be a 9 foot whip mounted on the roof. Anything else is a
>compromise. Some people mount this stainless steel whip on their back
>bumper to reduce the overall highth. The Wilson K-40 antenna is a good
>choice as it is shorter but still very effective. Of course you can use a
>shorter antenna and a small (25-50W) R.F. amplifier to make up for the loss
>of transmit range. Do not go overboard on the amp as you can not talk to
>someone you cannot hear. Good luck in your quest for the ultimate signal
>from your mobile. Let us know what you come up with as we mobilers are
>always looking for a better antenna.

>William Lee

Do I understand this upstanding fellow is recommending an AMP on a CB
which is not supposed to put out but 4 or 15 watts depending?

Sheeeeez!

Lou Hinshaw

Prolific inventor,
Lousy Salesman,
Incompetent businessman.
(Typical)

From -8542396585028301851
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,de3541b97eed5abd,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,de3541b97eed5abd,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108122,de3541b97eed5abd,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,de3541b97eed5abd,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,de3541b97eed5abd,start
X-Google-Attributes: gidf76e2,public
From: kb8ukn@cdlcorp.com
Subject: F.S. : Midland 100 watt 6 meter mobile
Date: 1997/05/28
Message-ID: <864871105.21584@dejanews.com>#1/1
X-Deja-AN: 244619538
X-Http-User-Agent: Mozilla/2.0 (compatible; MSIE 3.0; SK; Windows 95)
X-Originating-IP-Addr: 204.157.54.228 (cdlppp28.cdlcorp.com)
Organization: Deja News Usenet Posting Service
X-Article-Creation-Date: Thu May 29 01:58:26 1997 GMT
X-Authenticated-Sender: kb8ukn@cdlcorp.com
Newsgroups:
rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.swap,rec.ham-radio,rec.ham-radio.swap

For Sale: Midland 70-056C 100 watt, 80 channel mobile rig with remote
head and cable. Pre-programmed with 6 meter simplex/repeater frequencies
(list included). Comes complete with microphone, mounting brackets and
matching Midland speaker. Rig is in very good condition. Asking $200.00,
with shipping included to the lower 48.

Chris M.

kb8ukn@cdlcorp.com
313-753-5526

--------------------==== Posted via Deja News ====-----------------------
      http://www.dejanews.com/   Search, Read, Post to Usenet

```
From 2868560290646549637
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,813ed8db570740e8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,813ed8db570740e8,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 108122,813ed8db570740e8,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,813ed8db570740e8,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,813ed8db570740e8,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,813ed8db570740e8,start
X-Google-Attributes: gidf76e2,public
From: kb8ukn@cdlcorp.com
Subject: F.S. : MFJ Deluxe Versa-Tuner II
Date: 1997/05/28
Message-ID: <864871445.21919@dejanews.com>#1/1
X-Deja-AN: 244620635
X-Http-User-Agent: Mozilla/2.0 (compatible; MSIE 3.0; SK; Windows 95)
X-Originating-IP-Addr: 204.157.54.228 (cdlppp28.cdlcorp.com)
Organization: Deja News Usenet Posting Service
X-Article-Creation-Date: Thu May 29 02:04:05 1997 GMT
X-Authenticated-Sender: kb8ukn@cdlcorp.com
Newsgroups:
rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.swap,rec.ham-
radio,rec.ham-radio.swap,rec.radio.shortwave
```

For Sale: MFJ manual antenna tuner model 948. This tuner will tune everything from random wire to coax. No original box, but the manual is included. Unit is in good condition. $75.00 shipping included to the lower 48.

Chris M.
kb8ukn@cdlcorp.com
313-753-5526

--------------------==== Posted via Deja News ====-----------------------
      http://www.dejanews.com/   Search, Read, Post to Usenet

From 3338027519469377489

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,98c5b6d365fbfb39
X-Google-Attributes: gid108122,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
X-Google-Thread: 107ada,98c5b6d365fbfb39
X-Google-Attributes: gid107ada,public
From: Brian Ward <blward@mts.net>
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/28
Message-ID: <338CEC4A.1424@mts.net>#1/1
X-Deja-AN: 244625296
References: <33874237.7E89@pobox.com> <338ebe46.7610484@news.iamerica.net>
To: tosspam@AOL.com
Organization: B.W. Consulting
Reply-To: blward@mts.net
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc

Charles S. Krin, DO FAAFP wrote:

> I used to have good luck with a 5/8 wave "Firestick" top loaded coil
> type- they've got them as short as 2 ft long, which work very well
> even at highway speeds with a 6 inch mag mount set- can get both of
> these at your friendly neighborhood truck stop for a total of about
> $20! Also works great as a scanner antenna.....but not so hot on 2 M!

The best you will find for a mobile whip with gain and only 4-5 feet in height is a WILSON 1000.

Have a look for it. They are made in Vegas.

--
=-=
 blward@mb.sympatico.ca   mailto:blward@mb.sympatico.ca
=-=

From 4149141185400325527
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,98c5b6d365fbfb39
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,98c5b6d365fbfb39

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X-Google-Attributes: gid107ada,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
From: KB9KHM <kb9khm@expert.cc.purdue.edu>
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/28
Message-ID: <338D0A6B.987@expert.cc.purdue.edu>#1/1
X-Deja-AN: 244645317
References: <33874237.7E89@pobox.com> <338ebe46.7610484@news.iamerica.net>
<338CEC4A.1424@mts.net>
Organization: InterServ News Service
Reply-To: kb9khm@expert.cc.purdue.edu
Newsgroups: alt.radio.scanner,rec.ham-
radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc


> The best you will find for a mobile whip with gain and only 4-5 feet in
> height is a WILSON 1000.

Gain over what?  A dummy load?
--
Mark  <KB9KHM>

Home Page:
http://expert.cc.purdue.edu/~kb9khm




From -2080427749956046321
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,98c5b6d365fbfb39
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,98c5b6d365fbfb39
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
From: "William Lee" <willee@inwave.com>
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/29
Message-ID: <01bc6bcf$0dd9a160$1cf431cf@william-lee>#1/1
X-Deja-AN: 244614338
References: <33874237.7E89@pobox.com> <338911A2.44FA@ibm.net>
<01bc69d6$ff905c60$74f431cf@william-lee> <338B0200.5A73@lni.net>
Newsgroups: alt.radio.scanner,rec.ham-
radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc
```

Greg Emerson <gregemmy@lni.net> wrote in article <338B0200.5A73@lni.net>...
> >Watch out Andy, I gave somewhat of the same advice and was told by many
do
> >good posters that it was illegal to run an amp. on CB.
>
> I wasn't one of those "do good" posters, but what's so bad about doing
> good??? Why be a petty criminal? Just use your 2 meter rig and don't
> worry about the CB...or do it with the legal 4 watts. No rocket science
> needed here.
>
> Regards,
>
> Greg WG8N
>

Well Greg, I drive from state to state a lot and very seldom hear anyone on the 146.520 calling freq. I monitor it all the time and call out about every 50 miles or so but seldom make a contact. Sometimes its a long way between repeaters. On the other hand the CB channel 19 is always active with weather, road, and bear conditions. Also those truckers can tell some very good stories. True, there is a lot of trash in there, but sometimes you can find a real jewel amid it all. Radio is Radio regardless of frequency.

William Lee

From -9081266801206506338
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f9a68c09938b6ce
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f4306,6f9a68c09938b6ce
X-Google-Attributes: gidf4306,public
X-Google-Thread: f64c6,6f9a68c09938b6ce
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fddbf,6f9a68c09938b6ce
X-Google-Attributes: gidfddbf,public
From: Roger Barker <roger@peaksys.demon.co.uk>
Subject: Re: APRS - British maps?
Date: 1997/05/29
Message-ID: <8J9sMTApFUjzEwKl@peaksys.demon.co.uk>#1/1
X-Deja-AN: 244686872
Distribution: world
X-NNTP-Posting-Host: peaksys.demon.co.uk [158.152.59.122]
References: <01bc67e5$0a12b0a0$LocalHost@default>
Organization: Peak Systems
Newsgroups: alt.ham-radio.packet,rec.ham-radio,rec.ham-radio.packet,uk.radio.amateur

In article <01bc67e5$0a12b0a0$LocalHost@default>, David Walsh
<DavidJWalsh@msn.com> writes
>Hello,
>
>Could anybody tell me if you know of any sites where there is maps within
>Great Britan to download into APRS or if there is anybody who has made any

Is there any significant level of use of APRS anywhere in the UK?

--
Roger Barker, G4IDE roger@peaksys.demon.co.uk
Boston, UK   http://www.peaksys.demon.co.uk
                     "Be tolerant of everything, except for intolerance!"

From 7007336344288415068
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f9a68c09938b6ce
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,6f9a68c09938b6ce
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f64c6,6f9a68c09938b6ce
X-Google-Attributes: gidf64c6,public
X-Google-Thread: f4306,6f9a68c09938b6ce
X-Google-Attributes: gidf4306,public
From: Carl Littlejohns <carl@ambrosia.demon.co.uk>
Subject: Re: APRS - British maps?
Date: 1997/05/29
Message-ID: <VA.000005ca.04dc404f@ambrosia.demon.co.uk>#1/1
X-Deja-AN: 244810384
X-NNTP-Posting-Host: ambrosia.demon.co.uk [158.152.166.244]
References: <01bc67e5$0a12b0a0$LocalHost@default>
<8J9sMTApFUjzEwKl@peaksys.demon.co.uk>
Reply-To: carl@ambrosia.demon.co.uk
Newsgroups: alt.ham-radio.packet,rec.ham-radio,rec.ham-radio.packet,uk.radio.amateur

> From: Roger Barker <roger@peaksys.demon.co.uk>
> Is there any significant level of use of APRS anywhere in the UK?

Only Cheshire- during Operation Frostbite I think.

I think we should 'designate' a frequency for it - 4m might be a good candidate- or perhaps a bit of 70cm - but till we have that, it isn't going to 'catch' - if it appears on a regular channel chances are you'would have to have your radio surgically removed. Packeteers can be a touchy lot in my experience....

I'd like to get into some 'live' packet - cos the internet does what packet did so much better- and I miss the keep .675 live bragade etc...

Carl
gw0tqm@ambrosia.demon.co.uk

From -4751686188427722068
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10aaeb,63c9e7eb41aa6bcd,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: f557d,63c9e7eb41aa6bcd,start
X-Google-Attributes: gidf557d,public
X-Google-Thread: 10c9e3,63c9e7eb41aa6bcd,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,63c9e7eb41aa6bcd,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,63c9e7eb41aa6bcd,start
X-Google-Attributes: gid1109af,public
From: "J. Daniel Bell, Jr." <KC4OXP@QSL.NET>
Subject: FS:HTX-212 MAKE OFFER!
Date: 1997/05/29
Message-ID: <01bc6c4e$2c714180$943d2acf@avana.net>#1/1
X-Deja-AN: 245026624
X-NNTP-Posting-Host: 207.42.61.148
Organization: Avana Communications
Newsgroups: alabama.birmingham.radio.amateur,in.ham-radio,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap

The title says it all. Make REASONABLE offer on this 9 Week old HTX-212
(2 meter 45 watt) mobile. MUST sell, getting $$$ together to purchase a HF
Rig.
Radio comes with a transferable 3 year warrenty from Radio Shack!

E-Mail offers to: KC4OXP@QSL.NET

73 Daniel/KC4OXP

From -8989137038536945676
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f557d,acba53c70210629c,start
X-Google-Attributes: gidf557d,public
X-Google-Thread: 10c9e3,acba53c70210629c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaeb,acba53c70210629c,start
X-Google-Attributes: gid10aaeb,public
X-Google-Thread: 1109af,acba53c70210629c,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,acba53c70210629c,start

X-Google-Attributes: gidf76e2,public
From: "J. Daniel Bell, Jr." <KC4OXP@QSL.NET>
Subject: wtb:hf rigs TS-850,930,940
Date: 1997/05/29
Message-ID: <01bc6c1d$d3eb5d00$9685f5cd@avana.net>#1/1
X-Deja-AN: 245026763
X-NNTP-Posting-Host: 205.245.133.150
Organization: Avana Communications
Newsgroups: alabama.birmingham.radio.amateur,in.ham-radio,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap

Within a week I will be ready to purchase a HF rig. I am now wanting to discuss what goodies you have for sale.

Looking for Kenwood TS-850S/AT
TS-930S/AT
TS-940S/AT

Not looking for radios in "good" condition, want one that is in excellent condition, and has never been mobile. Please send me condition of the radio, extra's that you might have with the radio, and your asking price.

73 Daniel/KC4OXP
KC4OXP@QSL.NET

From -1677099330508982602
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,98c5b6d365fbfb39
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,98c5b6d365fbfb39
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
From: James O'Brien <kd4cdb@bellsouth.net>
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/30
Message-ID: <338EAA82.6E95@bellsouth.net>#1/1
X-Deja-AN: 244937060
References: <33874237.7E89@pobox.com> <338ebe46.7610484@news.iamerica.net>
Organization: Preferred Company
Reply-To: kd4cdb@bellsouth.net
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc

Charles S. Krin, DO FAAFP wrote:
>
> I used to have good luck with a 5/8 wave "Firestick" top loaded coil
> type- they've got them as short as 2 ft long, which work very well
> even at highway speeds with a 6 inch mag mount set- can get both of
> these at your friendly neighborhood truck stop for a total of about
> $20! Also works great as a scanner antenna.....but not so hot on 2 M!
>
> ck (proud owner of a 94 Trooper)
>
> "Peter A. Forkes" <pforkes@pobox.com> wrote:
>
> >I'm looking for a CB aerial to mount on my Nissan Pathfinder. The local
> >installer recommends a $140 Antenna Specialist antenna.
> >Obviously, since the aerial is the most important part I want to get the
> >best, but I don't want some huge aerial sticking high up on my car.
> >What can you suggest?
> >Peter
> >
>
> Charles S. Krin, DO FAAFP KC5EVN, Member, PGBFH
> remove "nospam*" in the "from" address to reply
> "Reckless, Hell! I hit jus' where I was aimin'"
>   "Bubba Shot the Jukebox!" Mark Chestnut, 1995

In my opinion nothing beats a 102" stainless steel whip. 16 bucks at
radio shack.

From -7940029654796754811
X-Google-Language: DUTCH,ASCII-7-bit
X-Google-Thread: 108228,e4aa43af95269c2c
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,e4aa43af95269c2c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 101306,e4aa43af95269c2c
X-Google-Attributes: gid101306,public
X-Google-Thread: 103807,e4aa43af95269c2c
X-Google-Attributes: gid103807,public
X-Google-Thread: fb11d,e4aa43af95269c2c
X-Google-Attributes: gidfb11d,public
X-Google-Thread: 103380,e4aa43af95269c2c
X-Google-Attributes: gid103380,public
X-Google-Thread: fb6c1,e4aa43af95269c2c
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: f8f56,e4aa43af95269c2c
X-Google-Attributes: gidf8f56,public
From: James O'Brien <kd4cdb@bellsouth.net>
Subject: Re: Bearcat 3000
Date: 1997/05/30

```
Message-ID: <338E8C99.3028@bellsouth.net>#1/1
X-Deja-AN: 244965377
References: <N.052597.191728.34@hrv1-11.worldaccess.nl>
Organization: Preferred Company
Reply-To: kd4cdb@bellsouth.net
Newsgroups: alt.ham-
radio.marketplace,dds.markt,de.comm.ham,nl.markt,nl.markt.overig,nl.radio.amateur,
rec.ham-radio,wxs.tekoop


Henk wrote:
>
> Te Koop Aangeboden
>
> UNIDEN Bearcat 3000XLT
>
> 400 kanalen in 20 banken
>
> van 25 Mhz tot 1.3 Ghz
>
> Scansnelheid 100 kan per seconde
>
> 550 gulden
> exclusief p&p
>
> Reacties per e-mail of telefoon
>            06 54 66 31 34 (GSM)
>            050 525 88 55
>
>  Groeten,
>
>       Henk Roelfsema
>
> e-mail: hrr@poboxes.com


No habla



From 1033181936193609951
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b6d58f15e22a08e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115af6,9b6d58f15e22a08e
X-Google-Attributes: gid115af6,public
X-Google-Thread: f89e1,9b6d58f15e22a08e
X-Google-Attributes: gidf89e1,public
X-Google-Thread: 107ada,9b6d58f15e22a08e
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1009ad,9b6d58f15e22a08e
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa656,9b6d58f15e22a08e
```

```
X-Google-Attributes: gidfa656,public
X-Google-Thread: 101046,9b6d58f15e22a08e
X-Google-Attributes: gid101046,public
X-Google-Thread: 1165a8,9b6d58f15e22a08e
X-Google-Attributes: gid1165a8,public
From: Michael Studer <michael.studer@corp.sun.com>
Subject: Re: Help!> Amsat still needs funds for Phase 3D satellite.
Date: 1997/05/30
Message-ID: <338EFFAF.5BA9@corp.sun.com>#1/1
X-Deja-AN: 244999824
References: <5m5hpo$d4_002@blpm01-252.mcn.net>
<338716da.763266@news.mindspring.com> <5m78rp$rso$1@news.mhv.net>
<33883260.19CF@astron.physics.usyd.edu.au> <5ma5kv$ro$1@news.mhv.net>
Organization: Sun Microsystems
Newsgroups: alt.radio,alt.radio.scanner,alt.satellite,aus.radio.amsat,rec.ham-
radio,rec.radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.policy,
rec.radio.amateur.space,rec.radio.scanner,rec.radio.swap


Tom@astro.net wrote:
>
> In article <33883260.19CF@astron.physics.usyd.edu.au>,
ptitze@astron.physics.usyd.edu.au wrote:
> >Tom@astro.net wrote:
> >>
> >> In article <338716da.763266@news.mindspring.com>, sco@sco-inc.com wrote:
> >> >fiscus@mcn.net (Vince Fiscus, KB7ADL) wrote:
> >> >
> >> >>If this were a perfect world, the Phase 3D satellite would already be in
> >> >>orbit, but the ESA has postponed our launch to Sept 97.  This delay has
> > caused
> >> >
> >> >>Amsat to have a funding shortfall.  If you can donate to the Phase 3D
> >> >>satellite project please do so.  If you can donate more money, please do
> > so.
> >> >>Your help will be much appreciated!  73
> >> >>
> >> >I am a member of AMSAT and never understood why a launch delay costs
> >> >us more money. Do we have to pay more for storage? If P3D is completed
> >> >why does it cost more to launch in Sept vs June?
> >>
> >>  Maybe because they tinker with it until launch time? Find last minute
> >> changes? As always, EVERYONE wants MORE money. Like we have a tree full of it
> >> in the backyard....
> >>
> >> Tom
> >
> >What are you guys complaining about? If we have more time till the launch date
> >then we should take that opportunity to make the sat more efficient, robust and
> >test it till it is flawless. More work = more money. If we can't get more money
> >then I guess we could always store it in a ham's garage for free till the
> > launch.
> >Does it matter if AMSAT is broke? Amateurs have always managed to build things
> > on
> >a flee's budjet, good on them :)
> >
> >Paul, VK2THN.
>
>    I have no problem with tinkering and changing things if it will help. It's
> the money thing I'm talking about. Change for the sake of change is
> rediculous though. If it isn't broke leave it alone is how I feel. It isn't
> our fault the rocket isn't going up on time, why should we pay for storage (if
> that's the reason). More work=more money as far as the sat is concerned is a
> bogus excuse. Guess the volunteerizm isn't there....I have no problem with
> asking for donations by the way.
>
>    E-mail me at the address below, not with the above address.
>    That address is to help stop junk e-mail!
>
>    Tom Randall            Amateur Radio - KB2SMS
>    trandall@mhv.net       Mt. Beacon Amateur Radio Club /ARRL/10-10
>                           Member: AAVSO Solar Division
>
>    My Astronomy/Ham radio web site:
>    http://www1.mhv.net/~trandall/welcome.html
>
>    Opinions herein are mine and may not be that of MHV.NET!

I hope ESA doesn't plunk it right into the ocean like they usually do.

Mike AB6CV




From -1525093516953437652
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,98c5b6d365fbfb39
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,98c5b6d365fbfb39
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
From: philip de cadenet <phil@two-way.demon.co.uk>
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/30
Message-ID: <DL0vfuAfyrjzEwd7@two-way.demon.co.uk>#1/1
X-Deja-AN: 245003781
Distribution: world
X-NNTP-Posting-Host: two-way.demon.co.uk [194.222.164.190]
References: <33874237.7E89@pobox.com> <338ebe46.7610484@news.iamerica.net>
<338CEC4A.1424@mts.net>
Organization: advance
```

Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <338CEC4A.1424@mts.net>, Brian Ward <blward@mts.net> writes
>Charles S. Krin, DO FAAFP wrote:
>>
>> I used to have good luck with a 5/8 wave "Firestick" top loaded coil
>> type- they've got them as short as 2 ft long, which work very well
>> even at highway speeds with a 6 inch mag mount set- can get both of
>> these at your friendly neighborhood truck stop for a total of about
>> $20! Also works great as a scanner antenna.....but not so hot on 2 M!
>
>The best you will find for a mobile whip with gain and only 4-5 feet in
>height is a WILSON 1000.
>
>Have a look for it. They are made in Vegas.
>
>
>
No antenna I've seen for mobile use on 11m produces gain!

Phil G4ZOW/M
--
philip de cadenet

From -1335695205999332437
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,98c5b6d365fbfb39
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,98c5b6d365fbfb39
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
From: philip de cadenet <phil@two-way.demon.co.uk>
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/30
Message-ID: <ArAvXrANwrjzEwe8@two-way.demon.co.uk>#1/1
X-Deja-AN: 245004152
Distribution: world
X-NNTP-Posting-Host: two-way.demon.co.uk [194.222.164.190]
References: <33874237.7E89@pobox.com> <338911A2.44FA@ibm.net>
<01bc69d6$ff905c60$74f431cf@william-lee> <338B0200.5A73@lni.net>
<01bc6bcf$0dd9a160$1cf431cf@william-lee>
Organization: advance
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc

```
In article <01bc6bcf$0dd9a160$1cf431cf@william-lee>, William Lee
<willee@inwave.com> writes
>
>
>Greg Emerson <gregemmy@lni.net> wrote in article <338B0200.5A73@lni.net>...
>> >Watch out Andy, I gave somewhat of the same advice and was told by many
>do
>> >good posters that it was illegal to run an amp. on CB.
>>
>> I wasn't one of those "do good" posters, but what's so bad about doing
>> good???  Why be a petty criminal? Just use your 2 meter rig and don't
>> worry about the CB...or do it with the legal 4 watts. No rocket science
>> needed here.
>>
>> Regards,
>>
>> Greg  WG8N
>>
>
>Well Greg, I drive from state to state a lot and very seldom hear anyone on
>the 146.520 calling freq. I monitor it all the time and call out about
>every 50 miles or so but seldom make a contact. Sometimes its a long way
>between repeaters. On the other hand the CB channel 19 is always active
>with weather, road, and bear conditions. Also those truckers can tell some
>very good stories. True, there is a lot of trash in there, but sometimes
>you can find a real jewel amid it all. Radio is Radio regardless of
>frequency.
>
>William Lee
Could'nt agree more. Phil G4ZOW/M
--
philip de cadenet



From 4602538055299403151
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
X-Google-Thread: 108122,98c5b6d365fbfb39
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,98c5b6d365fbfb39
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
From: philip de cadenet <phil@two-way.demon.co.uk>
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/30
Message-ID: <YLMpfkA$rrjzEw$f@two-way.demon.co.uk>#1/1
```

X-Deja-AN: 245004325
Distribution: world
X-NNTP-Posting-Host: two-way.demon.co.uk [194.222.164.190]
References: <33874237.7E89@pobox.com> <01bc6901$989ad920$bdee65ce@william-lee>
<33887072.4553664@news.mindspring.com>
<01bc694d$93944fa0$62f135ce@hammer.stonewest.com>
Organization: advance
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <01bc694d$93944fa0$62f135ce@hammer.stonewest.com>, Dave
VanHorn <dvanhorn@127.0.0.1> writes
>
>> >bumper to reduce the overall highth. The Wilson K-40 antenna is a good
>> >choice as it is shorter but still very effective. Of course you can use
>a
>> >shorter antenna and a small (25-50W) R.F. amplifier to make up for the
>loss
>> >of transmit range.
>>
>> You can't legally use any amp on the CB band. Anything over 5 w is not
>> legal.
>>
>> >William Lee
>
>Legality dosen't matter. Actual performance dosen't matter. What matters
>is how can I impress my friends with the amount of money I dumped into
>this crap.
>
>These guys buy antenna gadgets for insane prices that have absolutely no
>measurable effects, screw up their audio with processors and reverbs, add
>in a "roger beep" that's 20 dB overmod, operate on any frequency they can
>get their gear to run on, (remote control users.. TOO BAD!)
>
>In actual fact, if the band is open, you can work the world with 5W (on 10
>meters, where it's legal). If the band is closed, then no amount of power
>will help. the only use for all this junk is a nightly screaming match.
>Repeat
>in every town out to the edge of ground wave propagation, and it's no
>wonder
>you can't use CB for anything useful anymore.
>
>Back in my CB days, I used to get a lot of fun by outperforming very
>expensive
>base stations from a 5W mobile rig. Of course I read and understood the
>ARRL antenna handbook, and actually installed my system properly..
>The total cost of my antenna mod was about a nickel.
>
>Still, they don't care what problems they cause for other users in the fire
>and
>police bands, ham bands, TVI.. Just as long as they can out-shout the
>idiot down the street, that's what matters.

```
>
>
Read my post on 'Megapower mobiles' in the homebrew ng.

Phil  G4ZOW/Xtreme mobile.
--
philip de cadenet




From -4479661289527540457
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,98c5b6d365fbfb39
X-Google-Attributes: gid108122,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 107ada,98c5b6d365fbfb39
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
From: philip de cadenet <phil@two-way.demon.co.uk>
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/30
Message-ID: <b70pTiAcprjzEw9F@two-way.demon.co.uk>#1/1
X-Deja-AN: 245004453
Distribution: world
X-NNTP-Posting-Host: two-way.demon.co.uk [194.222.164.190]
References: <33874237.7E89@pobox.com> <01bc6901$989ad920$bdee65ce@william-lee>
Organization: advance
Newsgroups: alt.radio.scanner,rec.ham-
radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc


In article <01bc6901$989ad920$bdee65ce@william-lee>, William Lee
<willee@inwave.com> writes
>
>
>Peter A. Forkes <pforkes@pobox.com> wrote in article
><33874237.7E89@pobox.com>...
>> I'm looking for a CB aerial to mount on my Nissan Pathfinder.  The local
>> installer recommends a $140 Antenna Specialist antenna.
>> Obviously, since the aerial is the most important part I want to get the
>> best, but I don't want some huge aerial sticking high up on my car.
>> What can you suggest?
>> Peter
>>
>>
>Well Peter, you have a real dilemma on your hands. The best mobile antenna
>for CB would be a 9 foot whip mounted on the roof. Anything else is a
>compromise. Some people mount this stainless steel whip on their back
>bumper to reduce the overall highth. The Wilson K-40 antenna is a good
```

>choice as it is shorter but still very effective. Of course you can use a
>shorter antenna and a small (25-50W) R.F. amplifier to make up for the loss
>of transmit range. Do not go overboard on the amp as you can not talk to
>someone you cannot hear. Good luck in your quest for the ultimate signal
>from your mobile. Let us know what you come up with as we mobilers are
>always looking for a better antenna.
>
>William Lee

Nice to see a CBer not being knocked for a change.
I'll agree to dissagree on the mobile amp Will, my friend G3NNY and
myself run full legal in the mobile, to say we get jealous/sarcastic
comments from the megabuck base stations with a dummy load on a stick
for an antenna, is a severe under-statement. We have a much modded
BugCatcher and on 160m we can rattle most loudspeakers around the
country, even the dummyload on a stick op's with a deaf receiver.
We're trying to tell them to get their act together, and we're only
running a 13'6" whip. TopBand, a most difficult band to master!

Phil G4ZOW/Xtreme mobile. We accept no prisoners, lifes too short for
QRP!
--
philip de cadenet

From 2292924658557456503
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f9a68c09938b6ce
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,6f9a68c09938b6ce
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fddbf,6f9a68c09938b6ce
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f4306,6f9a68c09938b6ce
X-Google-Attributes: gidf4306,public
From: Roger Barker <roger@peaksys.demon.co.uk>
Subject: Re: APRS - British maps?
Date: 1997/05/30
Message-ID: <c870hCAwhxjzEwdL@peaksys.demon.co.uk>#1/1
X-Deja-AN: 245018285
Distribution: world
X-NNTP-Posting-Host: peaksys.demon.co.uk [158.152.59.122]
References: <01bc67e5$0a12b0a0$LocalHost@default>
<8J9sMTApFUjzEwKl@peaksys.demon.co.uk> <VA.000005ca.04dc404f@ambrosia.demon.co.uk>
Organization: Peak Systems
Newsgroups: alt.ham-radio.packet,rec.ham-radio,rec.ham-radio.packet,uk.radio.amateur

In article <VA.000005ca.04dc404f@ambrosia.demon.co.uk>, Carl Littlejohns
<carl@ambrosia.demon.co.uk> writes
>> From: Roger Barker <roger@peaksys.demon.co.uk>
>> Is there any significant level of use of APRS anywhere in the UK?

>
>Only Cheshire- during Operation Frostbite I think.
>
>I think we should 'designate' a frequency for it - 4m might be a good
>candidate- or perhaps a bit of 70cm - but till we have that, it isn't
>going to 'catch' - if it appears on a regular channel chances are you'would
>have to have your radio surgically removed. Packeteers can be a touchy lot in
>my
>experience....

I think it really needs a frequency on 2m. However, there's just been a
new UK 2m digital bandplan announced, perhaps it includes a specific
recommended frequency for APRS? Seeing as it is so popular in the USA,
I'm sure the RSGB will have realised that there was likely to be some
interest over here within the foreseeable future.

--
Roger Barker, G4IDE roger@peaksys.demon.co.uk
Boston, UK   http://www.peaksys.demon.co.uk
                     "Be tolerant of everything, except for intolerance!"

From -2502472815143048340
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ea5ebdad7023ae77,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,ea5ebdad7023ae77,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,ea5ebdad7023ae77,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c2ee,ea5ebdad7023ae77,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fc2a5,ea5ebdad7023ae77,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fed6a,ea5ebdad7023ae77,start
X-Google-Attributes: gidfed6a,public
X-Google-Thread: fa656,ea5ebdad7023ae77,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,ea5ebdad7023ae77,start
X-Google-Attributes: gidf76e2,public
From: "Paul Nicolay" <paul_nicolay@merck.com>
Subject: Rhode & Shwartz BN15075 Receiver
Date: 1997/05/30
Message-ID: <01bc6d04$6dc42880$6e036536@merck.com>#1/1
X-Deja-AN: 245019437
Organization: Merck Sharp & Dohme
Newsgroups: rec.antiques.radio+phono,rec.ham-radio,rec.ham-radio.misc,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.shortwave,rec.radio.swap

Hi,

Is there somebody who has the pin assignments of plug 14 of this old (at least more than 10 years) R&S receiver. The plug is normally attached to the power-supply, which I'm missing, and has two rows of pins (labeled 1-8A & B). Any description on what comes out and goes in would be great. This would help me in building my own power-supply.

73s, ON1DJU

Please Email me as well as it is hard to keep up for me

The contents of this message express only the sender's opinion. This message does not necessarily reflect the policy or views of my employer, Merck & Co., Inc. All responsibility for the statements made in this Usenet posting resides solely and completely with the sender.

From -6073591705456215803
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f9a68c09938b6ce
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,6f9a68c09938b6ce
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f64c6,6f9a68c09938b6ce
X-Google-Attributes: gidf64c6,public
X-Google-Thread: f4306,6f9a68c09938b6ce
X-Google-Attributes: gidf4306,public
From: "David Walsh" <DavidJWalsh@msn.com>
Subject: Re: APRS - British maps?
Date: 1997/05/30
Message-ID: <01bc6b5a$80e5be20$LocalHost@default>#1/1
X-Deja-AN: 245022530
References: <01bc67e5$0a12b0a0$LocalHost@default>
<8J9sMTApFUjzEwKl@peaksys.demon.co.uk>
Newsgroups: alt.ham-radio.packet,rec.ham-radio,rec.ham-radio.packet,uk.radio.amateur

Well, i have quite a few friend on the radio and we are wanting to try out "new" technologies, also could be usful for some events that we run.

Bye for now
David Walsh - M1AGJ
http://www.wararc.home.ml.org

Roger Barker <roger@peaksys.demon.co.uk> wrote in article
<8J9sMTApFUjzEwKl@peaksys.demon.co.uk>...
> In article <01bc67e5$0a12b0a0$LocalHost@default>, David Walsh
> <DavidJWalsh@msn.com> writes

> >Hello,
> >
> >Could anybody tell me if you know of any sites where there is maps
within
> >Great Britan to download into APRS or if there is anybody who has made
any
>
> Is there any significant level of use of APRS anywhere in the UK?
>
> --
> Roger Barker, G4IDE roger@peaksys.demon.co.uk
> Boston, UK   http://www.peaksys.demon.co.uk
>   "Be tolerant of everything, except for intolerance!"
>

From 1030760091809787184
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,98c5b6d365fbfb39
X-Google-Attributes: gid108122,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
X-Google-Thread: 107ada,98c5b6d365fbfb39
X-Google-Attributes: gid107ada,public
From: "Dave VanHorn" <dvanhorn@127.0.0.1>
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/30
Message-ID: <01bc6d51$225055c0$a2f135ce@hammer.stonewest.com>#1/1
X-Deja-AN: 245074112
References: <33874237.7E89@pobox.com> <01bc6901$989ad920$bdee65ce@william-lee>
<b70pTiAcprjzEw9F@two-way.demon.co.uk>
Organization: IQuest Internet, Inc.
Newsgroups: alt.radio.scanner,rec.ham-
radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc

> Nice to see a CBer not being knocked for a change.
> I'll agree to dissagree on the mobile amp Will, my friend G3NNY and
> myself run full legal in the mobile, to say we get jealous/sarcastic
> comments from the megabuck base stations with a dummy load on a stick
> for an antenna, is a severe under-statement. We have a much modded
> BugCatcher and on 160m we can rattle most loudspeakers around the
> country, even the dummyload on a stick op's with a deaf receiver.
> We're trying to tell them to get their act together, and we're only
> running a 13'6" whip. TopBand, a most difficult band to master!
>
> Phil G4ZOW/Xtreme mobile. We accept no prisoners, lifes too short for

> QRP!
> --
> philip de cadenet

Nice to see a CB op with a clue! You're a rare item!

73's KC6ETE

From -6958331839699585739
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
From: Demolition Man <demoman@rollanet.nospam.org>
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/30
Message-ID: <338F6713.29C3@rollanet.nospam.org>#1/1
X-Deja-AN: 246734206
References: <33874237.7E89@pobox.com> <01bc6901$989ad920$bdee65ce@william-lee>
<33882F4B.4914@radia1.com>
Organization: FLASH Security & Communications
Reply-To: http://www.rollanet.org/~demoman/
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner

Ernie Stedman wrote:
>
> William Lee wrote:
> >
> > Peter A. Forkes <pforkes@pobox.com> wrote in article
> > <33874237.7E89@pobox.com>...
> > > I'm looking for a CB aerial to mount on my Nissan Pathfinder. The local
> > > installer recommends a $140 Antenna Specialist antenna.
> > > Obviously, since the aerial is the most important part I want to get the
> > > best, but I don't want some huge aerial sticking high up on my car.
> > > What can you suggest?
> > > Peter
> > >
> > >
> > Well Peter, you have a real dilemma on your hands. The best mobile antenna
> > for CB would be a 9 foot whip mounted on the roof. Anything else is a
> > compromise. Some people mount this stainless steel whip on their back
> > bumper to reduce the overall highth. The Wilson K-40 antenna is a good
> > choice as it is shorter but still very effective. Of course you can use a
> > shorter antenna and a small (25-50W) R.F. amplifier to make up for the
loss<<snip>>
> >

> > William Lee
> Wouldn't that be illegal?

a good compromise between performance and bulk would be the Wilson 1000
with 5 inch mag mount. 50-60 bucks will get you a very well performing
antenna that is not as tall as the "king" sized whip yet performs MUCH
better than the 20" loaded whip designs.

i use one with my ic 706 and have it tuned for the 10m FM RPTR section.
great results!
--
A.C.Curtis
KB0WLF

mailto:demoman@rollanet.org
http://www.rollanet.org/~demoman/

From -1650387826464741338
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,98c5b6d365fbfb39
X-Google-Attributes: gid108122,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
X-Google-Thread: 107ada,98c5b6d365fbfb39
X-Google-Attributes: gid107ada,public
From: Demolition Man <demoman@rollanet.nospam.org>
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/30
Message-ID: <338F65D0.18A2@rollanet.nospam.org>#1/1
X-Deja-AN: 246760139
References: <33874237.7E89@pobox.com> <01bc6901$989ad920$bdee65ce@william-lee>
<33887072.4553664@news.mindspring.com>
<01bc694d$93944fa0$62f135ce@hammer.stonewest.com>
<33890e5e.33723311@news.capital.net> <33892016.4866767@139.187.81.1>
<01bc69d6$876b3840$74f431cf@william-lee>
Organization: FLASH Security & Communications
Reply-To: http://www.rollanet.org/~demoman/
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc

William Lee wrote:
>
> Paul Grohe <grohe@galaxy.nsc.com> wrote in article
> <33892016.4866767@139.187.81.1>...
> > On Mon, 26 May 1997 04:18:22 GMT,
> > in the newsgroup rec.radio.scanner,

```
> > orion@xyzcapital.net
> > from Logical Net thoughtfully posted:
> >
> > Round' here, the 154 MHz VHF "dot" channels are already plagued
> > with "I'm stepping on you" idiots. I turned on the radio one
> > night and swore I was listening to CB channel 14.
> >
> > It is just amazing what happens when technology is placed into
> > the hands of the "average" person.
> >
> > Cheers,
> > Paul Grohe
> >
> > ---------------------------------------------------------------
> >  Paul Grohe                     National Semiconductor Corp.
> >  Sr. Electronics Technician     2900 Semiconductor Drive
> >  Standard Products Apps Group         Mail Stop C2693
> >  grohe@galaxy.nsc.com           Santa Clara, CA. 95052-8090 USA
> >  (408) 721-7389 Tel             (408) 721-2513 Fax
> > ----------------------------------------------------------------
> >
>
> Paul, Perhaps what is needed is a CW test to weed out the undesirables
> before they get a radio permit.  No... wait a minute...... That has already
> been tried and it did not work very well. Those same idiots got by the
> test.  Oh well.....
>
> William Lee

spiffy......  the last argument was for vhf and uhf freqs.  guess that
blasted theory testing didn't work either.
resistance is futile, you will be assimilated. ;)
nothing works 100%, i'll grant you that.
--
A.C.Curtis
KB0WLF

mailto:demoman@rollanet.org
http://www.rollanet.org/~demoman/



From -3160340481789555337
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d2821950cd0aa3b8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,d2821950cd0aa3b8,start
X-Google-Attributes: gid107ada,public
From: bry@ix.netcom.com (Bry C)
Subject: *** New Vintage Kit Co. WEB PAGE!! ***
Date: 1997/05/31
Message-ID: <339049de.19354910@news.mnsinc.com>#1/1
X-Deja-AN: 245225275
```

Distribution: inet
Organization: Dis-
Reply-To: bry " AT" mnsinc 'DOT' com
Newsgroups: rec.ham-radio,rec.radio.amateur.misc

There is a new web site on the net for:

VINTAGE RADIO KIT CO.

They sell receiver and transmitter kits using tubes. For full details, take a look at:

http://www.mnsinc.com/bry/vintage.htm

Enjoy! 73 de AF4K, Bry

From 6500128601809006594
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,98c5b6d365fbfb39
X-Google-Attributes: gid108122,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 107ada,98c5b6d365fbfb39
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
From: David <david084@flash.net>
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/31
Message-ID: <33908191.6901@flash.net>#1/1
X-Deja-AN: 245264745
References: <33874237.7E89@pobox.com> <338ebe46.7610484@news.iamerica.net> <338EAA82.6E95@bellsouth.net>
Organization: Flashnet Communications, http://www.flash.net
Reply-To: david084@flash.net
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc

James O'Brien wrote:
>
> Charles S. Krin, DO FAAFP wrote:
> >
> > I used to have good luck with a 5/8 wave "Firestick" top loaded coil
> > type- they've got them as short as 2 ft long, which work very well
> > even at highway speeds with a 6 inch mag mount set- can get both of
> > these at your friendly neighborhood truck stop for a total of about

> > $20! Also works great as a scanner antenna.....but not so hot on 2 M!
> >
> > ck (proud owner of a 94 Trooper)
> >
> > "Peter A. Forkes" <pforkes@pobox.com> wrote:
> >
> > >I'm looking for a CB aerial to mount on my Nissan Pathfinder. The local
> > >installer recommends a $140 Antenna Specialist antenna.
> > >Obviously, since the aerial is the most important part I want to get the
> > >best, but I don't want some huge aerial sticking high up on my car.
> > >What can you suggest?
> > >Peter
> > >
> >
> > Charles S. Krin, DO FAAFP KC5EVN, Member, PGBFH
> > remove "nospam*" in the "from" address to reply
> > "Reckless, Hell! I hit jus' where I was aimin'"
> >   "Bubba Shot the Jukebox!" Mark Chestnut, 1995
>
> In my opinion nothing beats a 102" stainless steel whip. 16 bucks at
> radio shack.

Shhhh. Dont tell them that its the best antenna you can buy. RS will be flooded with demands for it and the price will go up.

From 5683380727672704507
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f9a68c09938b6ce
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,6f9a68c09938b6ce
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fddbf,6f9a68c09938b6ce
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f4306,6f9a68c09938b6ce
X-Google-Attributes: gidf4306,public
From: Ian Tickle <ian@tickly.demon.co.uk>
Subject: Re: APRS - British maps?
Date: 1997/05/31
Message-ID: <A7+2iCA6DKkzEwWG@tickly.demon.co.uk>#1/1
X-Deja-AN: 245286652
Distribution: world
X-NNTP-Posting-Host: tickly.demon.co.uk [158.152.2.246]
References: <01bc67e5$0a12b0a0$LocalHost@default>
<8J9sMTApFUjzEwKl@peaksys.demon.co.uk>
Organization: Home
Newsgroups: alt.ham-radio.packet,rec.ham-radio,rec.ham-radio.packet,uk.radio.amateur

In article <8J9sMTApFUjzEwKl@peaksys.demon.co.uk>, Roger Barker
<roger@peaksys.demon.co.uk> writes

```
>In article <01bc67e5$0a12b0a0$LocalHost@default>, David Walsh
><DavidJWalsh@msn.com> writes
>>Hello,
>>
>>Could anybody tell me if you know of any sites where there is maps within
>>Great Britan to download into APRS or if there is anybody who has made any
>
>Is there any significant level of use of APRS anywhere in the UK?
>
If Packet nodes and BBS's sent their position in the Beacon Text as
suggested by the author of APRS, then a cheap and cheerful means of
frequency planning/ node activity monitoring would be avaliable.

Its dead easy to set up the text string in your Beacon text, you can
also inclued details of your o/p pwr, ant height, etc so that anyone
monitoring using APRS could see the effective range of a station, Node,
etc.

You don't need a copy of APRS to send your positional data, just to
monitor other stations would a copy be required.
--
Ian Tickle G4ZJH
Beaminster, W.Dorset
```

```
From 8803106116077568404
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f9a68c09938b6ce
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,6f9a68c09938b6ce
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f64c6,6f9a68c09938b6ce
X-Google-Attributes: gidf64c6,public
X-Google-Thread: f4306,6f9a68c09938b6ce
X-Google-Attributes: gidf4306,public
From: Ian Wade <ian@dowrmain.demon.co.uk>
Subject: Re: APRS - British maps?
Date: 1997/05/31
Message-ID: <+1otnBAxYDkzEwhW@dowrmain.demon.co.uk>#1/1
X-Deja-AN: 245345798
Distribution: world
X-NNTP-Posting-Host: dowrmain.demon.co.uk [158.152.123.251]
References: <01bc67e5$0a12b0a0$LocalHost@default>
Organization: Dowermain Ltd
Reply-To: Ian Wade <ianwade@netro.co.uk>
Newsgroups: alt.ham-radio.packet,rec.ham-radio,rec.ham-
radio.packet,uk.radio.amateur
```

```
In article <01bc67e5$0a12b0a0$LocalHost@default>, David Walsh
<DavidJWalsh@msn.com> writes
>Hello,
```

>
>Could anybody tell me if you know of any sites where there is maps within
>Great Britan to download into APRS or if there is anybody who has made any.
>
>Thanks in advance for any information
>

APRS maps for Europe can be found at
ftp://ftp.tapr.org/tapr/SIG/aprssig/files/dosstuff/APRSdos/eumaps04.zip
Enjoy 73 Rick WB8TIF
--
Rick Szpyrka   WB8TIF
Bloomfield Hills, MI USA
Email: wb8tif@cris.com or wb8tif@amsat.org
URL: http://www.concentric.net/~wb8tif

From 1162617131274484764
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,118b7753a1ae4d5b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,118b7753a1ae4d5b,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,118b7753a1ae4d5b,start
X-Google-Attributes: gidf76e2,public
From: Don & Monica Casella <casella1@ziplink.net>
Subject: FS: Kenwood HF
Date: 1997/06/01
Message-ID: <3391284C.1E11@ziplink.net>#1/1
X-Deja-AN: 245369958
Organization: ZipLink -- America's Hottest ISP
Reply-To: casella1@ziplink.net
Newsgroups: rec.radio.amateur.equipment,rec.ham-radio,rec.ham-radio.swap

Please see: > http://www.ziplink.net/~casella1/680s.html

From 3654453403755393058
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f9a68c09938b6ce
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,6f9a68c09938b6ce
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f4306,6f9a68c09938b6ce
X-Google-Attributes: gidf4306,public
X-Google-Thread: f64c6,6f9a68c09938b6ce
X-Google-Attributes: gidf64c6,public
From: Carl Littlejohns <carl@ambrosia.demon.co.uk>
Subject: Re: APRS - British maps?

Date: 1997/06/01
Message-ID: <VA.000005df.062daa3d@ambrosia.demon.co.uk>#1/1
X-Deja-AN: 245485859
X-NNTP-Posting-Host: ambrosia.demon.co.uk [158.152.166.244]
References: <01bc67e5$0a12b0a0$LocalHost@default>
<8J9sMTApFUjzEwKl@peaksys.demon.co.uk> <A7+2iCA6DKkzEwWG@tickly.demon.co.uk>
Reply-To: carl@ambrosia.demon.co.uk
Newsgroups: alt.ham-radio.packet,rec.ham-radio,rec.ham-radio.packet,uk.radio.amateur

> From: Ian Tickle <ian@tickly.demon.co.uk>
> Newsgroups:
> alt.ham-radio.packet,rec.ham-radio,rec.ham-radio.packet,uk.radio.amateur
> Subject: Re: APRS - British maps?
> Date: Sat, 31 May 1997 23:06:50 +0100
>
> In article <8J9sMTApFUjzEwKl@peaksys.demon.co.uk>, Roger Barker
> <roger@peaksys.demon.co.uk> writes
> >In article <01bc67e5$0a12b0a0$LocalHost@default>, David Walsh
> ><DavidJWalsh@msn.com> writes
> >>Hello,
> >>
> >>Could anybody tell me if you know of any sites where there is maps within
> If Packet nodes and BBS's sent their position in the Beacon Text as
> suggested by the author of APRS, then a cheap and cheerful means of
> frequency planning/ node activity monitoring would be avaliable.

I agree. But users are discouraged from setting beacons round 'year because of bandwidth. I can't see these folk turning anything other than purple at this (IMO most excellent) idea.

Carl
gw0tqm@ambrosia.demon.co.uk

From 7297884207216070467
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,98c5b6d365fbfb39
X-Google-Attributes: gid108122,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
X-Google-Thread: 107ada,98c5b6d365fbfb39
X-Google-Attributes: gid107ada,public
From: aruder@pipeline.com (Lou or Annette Hinshaw)
Subject: Re: Mobile CB aerial suggestions?

Date: 1997/06/02
Message-ID: <5muet0$5e7@camel7.mindspring.com>#1/1
X-Deja-AN: 245612449
References: <33874237.7E89@pobox.com> <338ebe46.7610484@news.iamerica.net>
X-Server-Date: 2 Jun 1997 12:38:56 GMT
Organization: MindSpring Enterprises, Inc.
Reply-To: aruder@pipeline.com
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc

ckrin@Iamerica.net*no.spam (Charles S. Krin, DO FAAFP) wrote:

>I used to have good luck with a 5/8 wave "Firestick" top loaded coil
>type- they've got them as short as 2 ft long, which work very well
>even at highway speeds with a 6 inch mag mount set- can get both of
>these at your friendly neighborhood truck stop for a total of about
>$20! Also works great as a scanner antenna.....but not so hot on 2 M!

>ck (proud owner of a 94 Trooper)

About using CB antennas on a 2-M rig; there is a 2-M strip-line filter in the ARRL Handbook that I made one of, and it matches 2-M to CB antennas like crazy!

A foot of 1/2" copper tube and a var cap and a couple 50-ohm connectors and a 2" X 2" X 14" box, and a bit of patience is all it took.

Try it, you'll like it.

WB0NRU
Lou.

Prolific inventor,
Lousy Salesman,
Incompetent businessman.
(Typical)

From -1539269050290044124
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: billsohl@planet.net (Bill Sohl)
Subject: Re: CW should die, not the "hobby"
Date: 1997/06/02

Message-ID: <5mukro$d3t@jupiter.planet.net>#1/1
X-Deja-AN: 245629192
References: <33236044.339E@kerrlake.com>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <01bc6124$c7d25ae0$6790f5ce@wa6
<01bc62fc$b010c160$9a95f5ce@wa6vse.fast.net> <5ln430$nmv@anomaly.ideamation.com>
Organization: Mount Olive Township (NJ) Emergency Management
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

kd1hz@anomaly.ideamation.com.nospam (Michael P. Deignan) wrote:

>In article <01bc62fc$b010c160$9a95f5ce@wa6vse.fast.net>,
>   Carl R. Stevenson <wa6vse@fast.net> wrote:

>>The purpose of ham radio, in the eyes of the regulators (and the reason we
>>have bands to begin with) is primarily to encourage technical experimentation
>>and self-training ...

>You might want to re-read 97.1. Only 40% of 97.1 deals with technical
>matters. 60% of 97.1 deals with communications-related issues.

>>MD and others will disput this and try to play all sorts of word games to
>>try to make it seem otherwise, but the technical and public service aspects
>>of ham radio are ALL the regulators

>Technical != public service. Knowing how to build a radio does >not< make
>you an effective emergency traffic handler. These are two entirely
>different skill sets. The latter is by far more important than the former,
>even though you would never admit it. It only takes a few people to
>design something technically, whereas it takes hundreds or thousands to
>adopt it and use it efficiently. The interaction that public safety
>officials will have with hams is strictly on the communications end --
>how well they handle emergency traffic -- not on how well they can
>build a radio.
>MD

I agree with Michael on these points (sound of MD fainting from
shock :-). I believe that whatever one does to foster their
communications skills will, in the end, be beneficial for
emergency communications. That can include DX hunting,
contesting or just plain daily or frequent communications...as
long as proper procedures are used.

Bill Sohl K2UNK
ARRL Local Gov't Liaison, Mt. Olive Township, NJ
Visit the No-Code WEB site: http://www.nocode.org

From -8776562600550189529
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Cecil Moore <cecil_a_moore@ccm.ch.intel.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/20
Message-ID: <3382115E.3046@ccm.ch.intel.com>#1/1
X-Deja-AN: 242673193
References: <33236044.339E@kerrlake.com> <337FBD86.465B@delphi.com>
<01bc64b2$10a5f840$5d95f5ce@wa6vse.fast.net> <5lr5n7$8v2@anomaly.ideamation.com>
<5lt2u9$8fl@gap.cco.caltech.edu>
Organization: Intel Corp.
Reply-To: cecil_a_moore@ccm.ch.intel.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Yin Lung Shih wrote:
> This is even more asinine in that it
> is possible that the technique involves some RF engineering that
> Cecil, the logic designer, might have to struggle to understand
> (sorry Cecil, just trying to make a point :-))!

Ouch - I got the point and I resemble that remark. Actually, it's no
struggle at all. If it ain't a one or a zero, it ain't my problem.

73, Cecil, W6RCA, OOTC

From 4541294159692062426
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Graham" <not@public.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/20
Message-ID: <01bc6567$60236320$70029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 242677770
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <336BE7F8.63D@worldnet.att.net>
<336c09ea.56142285@news.atl.bellsouth.net> <5kij6r$phd@anomaly.ideamation.com>
<33810d34.1970626@news.mindspring.com>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

SCO <sco@sco-inc.com> wrote in article

<33810d34.1970626@news.mindspring.com>...

> Ok then explain to me why I MUST pass a 20 wpm code test in order to
> operate SSB [or other data computer modes] in the HF bands as an Extra
> Class ham? [I am a Tech Plus who has now passed my Extra Class
> written exam.]

Because at this point in time, the 20 wpm test is the other requirement
necessary to achieve the goal. Its that simple. Someday things may be
different, but not today. Congratulations on your Extra written!

K4XA
Graham

From 2116656536123384605
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/20
Message-ID: <01bc6574$574b5de0$f090f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 242687645
References: <33236044.339E@kerrlake.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
<5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
<3394c6df.11576006@news.cyberhighway.net>
<01bc64b2$6ab60000$5d95f5ce@wa6vse.fast.net>
<339527e3.14471966@news.cyberhighway.net>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Glen Quarnstrom <glenq@NOSPAMcyberhighway.net> wrote in article
<339527e3.14471966@news.cyberhighway.net>...
> "Carl R. Stevenson" <wa6vse@fast.net> wrote:
>
> >Glen Quarnstrom <glenq@NOSPAMcyberhighway.net> wrote in article
> >> Sure. Lots of folks work on the space program, for instance, and have
> >> no chance of getting into space. It's merely a matter of a few weeks
> >> or months of practice and most anyone can get on HF.
> >
> >Still haven't found a "clue rental" place, huh, Glen ... here's a freebie:
> >Those thousands of folks who work on the space program do it for
> >money ... that's how they earn their living ...

> >
> >Your lame comparisons aren't worth the bandwidth ... you must have
> >studied under Mike ...
>
> Ah, insults -- the stock refuge of those who have no logical
> arguments.

Read what you said again, Glen ... the comparison to the space program
IS lame ...

> The really sad thing is that I generally support the
> elimination or relaxation of the CW requirements, but attitudes such
> as yours make it extremely difficult to defend that position. I've
> sat here and watched you insult poster after poster, and just shook my
> head. You have enough intelligence and literacy to make your points
> without resorting to insults. What's to be gained by turning this
> into a flame war?

I'm glad you favor modernization, Glen, I really am ... it's just that
I'm so DAMNED tired of all the lame excuses for maintaining something
that's nothing more than a quasi-religious fraternity hazing ritual that
when I see another ridiculous comparison/excuse it sometimes sets
me off ...

> This CW argument has been raging for a couple of decades, at least,
> and all the rational arguments on both sides have long since been
> exhausted. All I see now is boring replays of the same silly crap
> from both sides, complete with personal insults and invective, of
> course.
>
> And then we wonder why hams have such a bad name, and why the hobby is
> dying on the vine. Your attitude is part of the problem, Carl, not
> part of the solution.

The attitude is a result of nearly 25 years of putting up with this code
crap ... and the lousy attitudes of the "superior" hams who beep. Sorry
for taking it out on you ... I've just sort of reached the "mad as hell and
not going to take it any more" point ...

Carl - wa6vse
wa6vse@fast.net

From -4353400287217294664
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd

```
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/20
Message-ID: <01bc6575$9ba9b260$f090f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 242688474
References: <33236044.339E@kerrlake.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
<5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
<3394c6df.11576006@news.cyberhighway.net> <3380D0C8.632@ccm.ch.intel.com>
<339226e3.14216095@news.cyberhighway.net>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
```

Glen Quarnstrom <glenq@NOSPAMcyberhighway.net> wrote in article
<339226e3.14216095@news.cyberhighway.net>...

> Cecil Moore <cecil_a_moore@ccm.ch.intel.com> wrote:
>
> >Glen Quarnstrom wrote:
> >> Sure. Lots of folks work on the space program, for instance, and have
> >> no chance of getting into space.
> >
> >Lame Glen, really lame. We are talking about a hobby, not a career. Repeat
>
> There's nothing lame about it. It's a valid point in refuting your
> claim. If a person enjoys designing radio projects, it's unlikely
> that lack of direct access to the HF bands will prevent that
> enjoyment.

If the person's interest is in designing equipment, modulation and
coding techniques, and protocols to combat the channel impairments
of the HF channel, access to that channel is ESSENTIAL for testing,
experimentation, and characterizing the behavior of a system. There
is no other way, short of a full-blown hardware channel simulator, which
would cost a minimum of tens of thousands of dollars to build and take
a tremendous effort to test, calibrate, and validate ...

> >> It's merely a matter of a few weeks
> >> or months of practice and most anyone can get on HF.
> >
> >Or "merely" years and years of failure to get to 13wpm. Then the indignity
>
> Such cases, while they probably do exist, are so rare as to be
> statistically irrelevant to the discussion of Morse testing.

How do you know that? Do you have detailed statistics on how many
people have tried and failed over the decades? The existing community's
experience is self-selected for those with inherent Morse talent/ability.

Carl - wa6vse
wa6vse@fast.net

From -5281236709546328795
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/20
Message-ID: <01bc6578$25ae6bc0$f090f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 242690907
References: <33236044.339E@kerrlake.com> <5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com> <01bc64b2$10a5f840$5d95f5ce@wa6vse.fast.net> <5lr5n7$8v2@anomaly.ideamation.com> <3381394D.C36@delphi.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Cecil A. Moore <cecilmoore@delphi.com> wrote in article
<3381394D.C36@delphi.com>...
> Michael P. Deignan wrote:
> > In many respects, his answer sounds awfully selfish.
>
> So would you rather he be selfless? That's what you are asking of him.
> He sounds awfully homo sapien-ish to me. He doesn't have an altruistic
> bone in his body - that's one reason I like him. For the record, just
> what altruistic, unselfish action have you performed, Mr. Hyde? Har-har
>
> > Second, he can reap benefits, by operating under your license, with
> > certain restrictions.
>
> Just between you and me, Michael, he wouldn't stoop so low. I can't
> repeat his response to your suggestion.

Sure you can Cecil, you're not on the air here ... come on, please
repeat it, please ... <grin>

Carl - wa6vse
wa6vse@fast.net

From 8451403256240670092
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: ylshih@alumnae.caltech.edu (Yin Lung Shih)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/20
Message-ID: <5lt2u9$8fl@gap.cco.caltech.edu>#1/1
X-Deja-AN: 242709213
References: <33236044.339E@kerrlake.com> <337FBD86.465B@delphi.com>
<01bc64b2$10a5f840$5d95f5ce@wa6vse.fast.net> <5lr5n7$8v2@anomaly.ideamation.com>
Organization: Caltech Alumni Association
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <5lr5n7$8v2@anomaly.ideamation.com>,
Michael P. Deignan <kd1hz@anomaly.ideamation.com.nospam> wrote:
>Cecil A. Moore <cecilmoore@delphi.com> writes:
>> Hi Michael, he *has* indeed put them in operation on the microwave
>> frequencies. It is I, not he, who need him to put them on HF. He says,
>> "Why should I help you on HF designs when I'm not even allowed there?"
>> I don't have an answer to his question, do you?
>
>Sure... First, he's helping >you<, isn't he? If I help a friend work
>on a project, I don't necessarily expect reap benefits (i.e. if I help
>a friend work on his car, I don't expect to drive it.) In many respects,
>his answer sounds awfully selfish.

So? What is wrong with selfish? It is an avocation and anyone who
chooses such an activity for their spare time that is not doing so
for both personal benefit (enjoyment, relaxation, and utility) *and*
self-satisfaction (through contributing in a meaningful way) has
psychological problems.

You also have a really poor idea of how technical development is done
and how long it takes; particularly with people who are doing it on
their own time. Think of these factors, multiple design iterations,
late midnight sessions, spur of the moment ideas and inspirations, tweak
and re-tweak opeating parameters, operations under varying conditions
to confirm robustness, etc, etc. This doesn't happen in one weekend
session; this takes weeks or months, even sometimes years, of repeated
activity. There is no good reason why a person who is competent to
perform these operations should have to go on a continuing basis to
Cecil for to act as control operator or just deliver it to Cecil and
then go away without any further benefit.

Also, no matter how much he considers Cecil a friend, and vice versa,
no good friend asks another friend to do something for weeks and
months at a time that doesn't also help that other friend in some
way also. Your friend might help work on your car some weekend, but
would you ask him to help you on a complete car restoration from the
ground up without establishing *any* understanding of mutual benefit?

>Second, he can reap benefits, by operating under your license, with
>certain restrictions.

That you could expect someone to be capable and willing to develop a new design or technique, and then require him to go to someone else for permission and supervision *every* time they feel an urge to use it is ridiculous and asinine. This is even more asinine in that it is possible that the technique involves some RF engineering that Cecil, the logic designer, might have to struggle to understand (sorry Cecil, just trying to make a point :-))! This is a strawman set up by you to let you write this off with an easy conscience. The fact is that no rational person would operate under these conditions and there is no good reason for him to have to do so.

Yin Shih, N9YS/6, PP-ASEL-IA, M20K
ylshih@alumni.caltech.edu

From -8891721103210341036
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3cc533acbb8faa62,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,3cc533acbb8faa62,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,3cc533acbb8faa62,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,3cc533acbb8faa62,start
X-Google-Attributes: gid1109af,public
From: kb8ukn@cdlcorp.com
Subject: F.S. Midland 6 meter mobile
Date: 1997/05/20
Message-ID: <864182966.21705@dejanews.com>#1/1
X-Deja-AN: 242721555
X-Http-User-Agent: Mozilla/2.0 (compatible; MSIE 3.0; SK; Windows 95)
X-Originating-IP-Addr: 204.157.54.213 (cdlppp13.cdlcorp.com)
Organization: Deja News Usenet Posting Service
X-Article-Creation-Date: Wed May 21 02:49:28 1997 GMT
X-Authenticated-Sender: kb8ukn@cdlcorp.com
Newsgroups: rec.radio.amateur.equipment,rec.radio.swap,rec.ham-radio,rec.ham-radio.swap

For Sale: 1-Midland commercial mobile with remote head. 100 watts, 80 channel eeprom memory (preprogrammed with amateur frequencies, list included), 3 scan options. Includes microphone, mounting brackets and Midland speaker. In very good condition, asking $235.00 and I will ship anywhere in the lower 48.

Chris M.
kb8ukn@cdlcorp.com

```
313-753-5526

-------------------==== Posted via Deja News ====-----------------------
      http://www.dejanews.com/     Search, Read, Post to Usenet



From 4000707742914315650
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,33c338f6fc509ac5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,33c338f6fc509ac5,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,33c338f6fc509ac5,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,33c338f6fc509ac5,start
X-Google-Attributes: gid1109af,public
From: kb8ukn@cdlcorp.com
Subject: F.S.  MFJ antenna tuner
Date: 1997/05/20
Message-ID: <864183180.21844@dejanews.com>#1/1
X-Deja-AN: 242723107
X-Http-User-Agent: Mozilla/2.0 (compatible; MSIE 3.0; SK; Windows 95)
X-Originating-IP-Addr: 204.157.54.213 (cdlppp13.cdlcorp.com)
Organization: Deja News Usenet Posting Service
X-Article-Creation-Date: Wed May 21 02:53:00 1997 GMT
X-Authenticated-Sender: kb8ukn@cdlcorp.com
Newsgroups: rec.radio.amateur.equipment,rec.radio.swap,rec.ham-radio,rec.ham-
radio.swap


For Sale:  1-MFJ Deluxe Versa Tuner II (model 948). Unit in very good
condition and includes manual. Asking $75.00 and I will ship anywhere in
the lower 48.

Chris M.
kb8ukn@cdlcorp.com
313-753-5526

-------------------==== Posted via Deja News ====-----------------------
      http://www.dejanews.com/     Search, Read, Post to Usenet



From -4848855927868375133
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca79ae4decd7878e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,ca79ae4decd7878e,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,ca79ae4decd7878e,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,ca79ae4decd7878e,start
```

X-Google-Attributes: gidf76e2,public
From: kb8ukn@cdlcorp.com
Subject: Icom service manual wanted
Date: 1997/05/20
Message-ID: <864183338.21905@dejanews.com>#1/1
X-Deja-AN: 242723115
X-Http-User-Agent: Mozilla/2.0 (compatible; MSIE 3.0; SK; Windows 95)
X-Originating-IP-Addr: 204.157.54.213 (cdlppp13.cdlcorp.com)
Organization: Deja News Usenet Posting Service
X-Article-Creation-Date: Wed May 21 02:55:38 1997 GMT
X-Authenticated-Sender: kb8ukn@cdlcorp.com
Newsgroups: rec.radio.amateur.equipment,rec.radio.swap,rec.ham-radio,rec.ham-radio.swap

Need a service manual for the Icom 551D (all mode 6 meter rig).
Thanks for your time.

Chris M.
kb8ukn@cdlcorp.com
313-753-5526

-------------------==== Posted via Deja News ====-----------------------
http://www.dejanews.com/   Search, Read, Post to Usenet

From 274925992147111849
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: glenq@NOSPAMcyberhighway.net (Glen Quarnstrom)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/20
Message-ID: <339226e3.14216095@news.cyberhighway.net>#1/1
X-Deja-AN: 242766713
References: <33236044.339E@kerrlake.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
<5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
<3394c6df.11576006@news.cyberhighway.net> <3380D0C8.632@ccm.ch.intel.com>
Organization: CyberHighway Internet Services
Reply-To: address@sig
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Cecil Moore <cecil_a_moore@ccm.ch.intel.com> wrote:

>Glen Quarnstrom wrote:

>> Sure. Lots of folks work on the space program, for instance, and have
>> no chance of getting into space.
>
>Lame Glen, really lame. We are talking about a hobby, not a career. Repeat

There's nothing lame about it. It's a valid point in refuting your
claim. If a person enjoys designing radio projects, it's unlikely
that lack of direct access to the HF bands will prevent that
enjoyment.

>> It's merely a matter of a few weeks
>> or months of practice and most anyone can get on HF.
>
>Or "merely" years and years of failure to get to 13wpm. Then the indignity

Such cases, while they probably do exist, are so rare as to be
statistically irrelevant to the discussion of Morse testing.

>of a medical waiver when there's absolutely nothing wrong with the person.
>IMO, Just another form of hazing/discrimination to make some inferior folk
>feel superior to someone who is, in reality, superior to them in all ways
>except wetware modeming. IMO, one way to achieve superiority is to tear the
>other person down and that's exactly what the CW testing requirement does.

All this insulting and exaggeration isn't doing the no-code defenders
any more good than similar behavior does for the pro-coders.

The fact of the matter is that the CW requirements are mostly a red
herring, detracting us from the REAL problems facing ham radio. If
you eliminated ALL code requirements tomorrow, ham radio would have a
nice little temporary increase in its ranks, and then fall back into
the same old no/slow growth pattern we had now. This is exactly what
happened when the no-code Tech began. That change was going to save
ham radio, and attract all sorts of tech types into the hobby. Well,
it did attract a few of them, but mostly what it got was families who
want to keep in touch with each other on two meters. Not a thing
wrong with that, but there are increasing numbers of other options for
that group.
--
glenq@cyberhighway.net
WB7DOW @ KB7CFD.ID.USA.NOAM

From -1957496103712074606
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: glenq@NOSPAMcyberhighway.net (Glen Quarnstrom)

Subject: Re: CW should die, not the "hobby"
Date: 1997/05/20
Message-ID: <339527e3.14471966@news.cyberhighway.net>#1/1
X-Deja-AN: 242766773
References: <33236044.339E@kerrlake.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
<5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
<3394c6df.11576006@news.cyberhighway.net>
<01bc64b2$6ab60000$5d95f5ce@wa6vse.fast.net>
Organization: CyberHighway Internet Services
Reply-To: address@sig
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

"Carl R. Stevenson" <wa6vse@fast.net> wrote:

>Glen Quarnstrom <glenq@NOSPAMcyberhighway.net> wrote in article
><3394c6df.11576006@news.cyberhighway.net>...
>> "Cecil A. Moore" <cecilmoore@delphi.com> wrote:
>>
>> >Michael P. Deignan wrote:
>> >> Yeah, and to think that in all this sillyness he could be working on
>> >> getting them on the VHF+ frequencies, where he has tens of megahertz of
>> >> spectrum available w/ no code test, but it "just so happens" that he
>> >> "needs" HF.
>> >
>> >Hi Michael, he *has* indeed put them in operation on the microwave
>> >frequencies. It is I, not he, who need him to put them on HF. He says,
>> >"Why should I help you on HF designs when I'm not even allowed there?"
>> >I don't have an answer to his question, do you?
>>
>> Sure. Lots of folks work on the space program, for instance, and have
>> no chance of getting into space. It's merely a matter of a few weeks
>> or months of practice and most anyone can get on HF.
>
>Still haven't found a "clue rental" place, huh, Glen ... here's a freebie:
>Those thousands of folks who work on the space program do it for
>money ... that's how they earn their living ...
>
>Your lame comparisons aren't worth the bandwidth ... you must have
>studied under Mike ...

Ah, insults -- the stock refuge of those who have no logical arguments. The really sad thing is that I generally support the elimination or relaxation of the CW requirements, but attitudes such as yours make it extremely difficult to defend that position. I've sat here and watched you insult poster after poster, and just shook my head. You have enough intelligence and literacy to make your points without resorting to insults. What's to be gained by turning this into a flame war?

This CW argument has been raging for a couple of decades, at least, and all the rational arguments on both sides have long since been exhausted. All I see now is boring replays of the same silly crap from both sides, complete with personal insults and invective, of course.

And then we wonder why hams have such a bad name, and why the hobby is dying on the vine. Your attitude is part of the problem, Carl, not part of the solution.
--
glenq@cyberhighway.net
WB7DOW @ KB7CFD.ID.USA.NOAM

From -993621109187412285
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/20
Message-ID: <3382891B.622F@delphi.com>#1/1
X-Deja-AN: 242768470
References: <33236044.339E@kerrlake.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
<5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
<3394c6df.11576006@news.cyberhighway.net> <3380D0C8.632@ccm.ch.intel.com>
<339226e3.14216095@news.cyberhighway.net>
Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Glen Quarnstrom wrote:
> There's nothing lame about it. It's a valid point in refuting your
> claim.

Glen, if you really believe that, I feel sorry that you are so out of touch with reality. The great majority of people love their hobbies. The great majority of people do not love their jobs and some hate them. (IMHO, you don't believe it at all and just lacked anything rational with which to respond).

73, Cecil, W6RCA, OOTC

From -7408022186840945181
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/20
Message-ID: <338289FF.32AB@delphi.com>#1/1
X-Deja-AN: 242770652
References: <33236044.339E@kerrlake.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
<5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
<3394c6df.11576006@news.cyberhighway.net> <3380D0C8.632@ccm.ch.intel.com>
<339226e3.14216095@news.cyberhighway.net>
<01bc6575$9ba9b260$f090f5ce@wa6vse.fast.net>
<01bc6592$950cb5c0$66029ace@graham.surfsouth.com>
<5lttis$8bs@masters0.InterNex.Net>
Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

The Tie-Dyed Side of the Force wrote:
> How would you like to have only a fraction of a second to do each of the
> calculations in a (randomized) written test?

... while hanging upside down writing with your toes? Some otherwise
super qualified people find Morse code just that difficult, if not
impossible.

73, Cecil, W6RCA, OOTC

From 6558370562814359444
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: sco@sco-inc.com (SCO)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/20
Message-ID: <33810d34.1970626@news.mindspring.com>#1/1
X-Deja-AN: 243081500
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <336BE7F8.63D@worldnet.att.net>
<336c09ea.56142285@news.atl.bellsouth.net> <5kij6r$phd@anomaly.ideamation.com>
X-Server-Date: 20 May 1997 02:35:17 GMT

Organization: MindSpring Enterprises
Reply-To: sco@sco-inc.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

>>The pro-coders can't answer that. That's why they have to resort to whining
>>Hiram Percy Maxim by a
>
>Typical anti-code "welfare state" rhetoric.
>
>CW remains a requirement because the mode of operation is one of the
>most popular on HF, surpassed only by SSB, and we don't have a SSB test
>because the FCC assumes most people know how to push a button and speak
>into a microphone.

Ok then explain to me why I MUST pass a 20 wpm code test in order to operate SSB [or other data computer modes] in the HF bands as an Extra Class ham? [I am a Tech Plus who has now passed my Extra Class written exam.]

If you can not answer that question with a logical answer than i fully expect cw testing (for hams) to be removed by the ITU in 1999.

KE4IKT

From 7082756276008245473
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/20
Message-ID: <01bc64b3$63f2a060$5d95f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 243365168
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee> <3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net> <5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com> <5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com> <336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-ixn10.ix.netcom.com> <336CF780.15C5@delphi.com> <01bc58eb$33bfd4e0$74029ace@graham.surfsouth.com> <01bc5956$e2ad50c0$783b8080@cbx-nt> <33716880.1E6F@delphi.com> <5lgqaq$5rp@redstone.interpath.net> <01bc6217$33db2120$e690f5ce@wa6vse.fast.net> <337C9771.70D5@ccm.ch.intel.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Cecil Moore <cecil_a_moore@ccm.ch.intel.com> wrote in article
<337C9771.70D5@ccm.ch.intel.com>...
> Carl R. Stevenson wrote:
> > "entry-level" and "standard" (names are not important and subject to
> > change)
>
> In that case, let's name them the "slave" and the "master" licenses. :-)
>
> 73, Cecil, W6RCA, OOTC
>

No Cecil ... I believe that many beepers (note I said "many" Hans,
not "all") would prefer to retain the terminology that they currently
associate with no-code techs and coded hams ... that would be
"sub-human scum" and "lords high exalted rulers of the realm" ...

I know *you* were joking, but that view is all to common and we
need to stamp it out ...

73,
Carl - wa6vse
wa6vse@fast.net

From -6383557916740383199
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/20
Message-ID: <01bc64b4$cf67aba0$5d95f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 243366886
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<01bc5d6c$c3b80740$e390f5ce@wa6vse.fast.net>
<01bc6013$bae75860$68029ace@graham.surfsouth.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com>
<01bc6124$c7d25ae0$6790f5ce@wa6vse.fast.net>
<01bc6236$6f86ea00$76029ace@graham.surfsouth.com>
<01bc62fc$b010c160$9a95f5ce@wa6vse.fast.net>
<01bc64ab$4fb6da60$77029ace@graham.surfsouth.com>
Organization: I never said I was organized

Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Graham <not@public.com> wrote in article
<01bc64ab$4fb6da60$77029ace@graham.surfsouth.com>...
> Good deal Carl!
>
> Hey, I thought the "invention" of Amateur Radio also had something to do
> with providing emergency communications (I.E. field day ect.) What is the
> "official" reading on this?

I have no idea on what's "official" ... but I think field day, SET, etc.
are some of the possible practice opportunities for operating under
emergency power, with pre-prepared gear, and simulating some form
of emergency exercise. Field day is more of a contest/game and
doesn't have any value as a practice exercise beyond setting up
temporary antenna systems, generators, etc. but even that has
some value.

The Morse position at the field day site may rack up a lot
of contest points (I believe it gets a handicap to boost its
score) but it has virtually no relation to any real-life emergency
operation ... it's just another CW contest for the gamers ...

In summary, yes, emergency communications is supposed
to be a big part of ham radio .. but Morse has nothing to do
with it in the real world and the contest-like aspects of field
day have little relation to emergency communications either.

We should practice, practice more, and practice more realisticly
for emergency communications ...

Carl - wa6vse
wa6vse@fast.net

From 2830509838501156191
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Graham" <not@public.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/21
Message-ID: <01bc6592$950cb5c0$66029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 242723622
References: <33236044.339E@kerrlake.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>

<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
<5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
<3394c6df.11576006@news.cyberhighway.net> <3380D0C8.632@ccm.ch.intel.com>
<339226e3.14216095@news.cyberhighway.net>
<01bc6575$9ba9b260$f090f5ce@wa6vse.fast.net>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Carl R. Stevenson <wa6vse@fast.net> wrote in article
<01bc6575$9ba9b260$f090f5ce@wa6vse.fast.net>...

> How do you know that? Do you have detailed statistics on how many
> people have tried and failed over the decades? The existing community's
> experience is self-selected for those with inherent Morse talent/ability.
>
> Carl - wa6vse
> wa6vse@fast.net

Hi Carl,

This is where we differ. I think that anyone can learn code, just as you think anyone can learn theory. You have stated many times that its just a simple encryption of the alphabet. So, why can't someone as intelligent as an EE's (no sarcasm intended, I sure can't do what they do) learn this simple encryption to advance within their chosen hobby? This is the fundamental difference in our opinions. I do agree a good first step to resolution would be to drop the worthless "question pool" and replace it with valid theory testing. But as long as code remains as widely used as it is today, I can't see just dropping it. Yes, I do have an Extra class but I don't for one second think that it in any way gives me, or any one else that has one, some kind of "status". Its just the next license up from where I was and "because it was there" I got it. A ham is a ham. From Novice to Extra class, were all the same. The idea that dropping the code test will cause a massive influx into the hobby was disproved with the no-code tech license. We got some good people, but it was not the flood that the no-code side predicted and we still have slow growth. So I guess what needs to happen is some REAL debate over what we should to resolve the problem of slow growth. Fighting among ourselves sure won't do it. I'm trying from my end. I'm a VE and teach code and theory classes when I can. I'm open to NEW ideas gang! Lets start kicking some ideas around instead of each other. What do you say?

73,
K4XA
Graham

From -1360704871624144386
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: andy@tiedye.com (The Tie-Dyed Side of the Force)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/21
Message-ID: <5lttis$8bs@masters0.InterNex.Net>#1/1
X-Deja-AN: 242746559
References: <33236044.339E@kerrlake.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
<5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
<3394c6df.11576006@news.cyberhighway.net> <3380D0C8.632@ccm.ch.intel.com>
<339226e3.14216095@news.cyberhighway.net>
<01bc6575$9ba9b260$f090f5ce@wa6vse.fast.net>
<01bc6592$950cb5c0$66029ace@graham.surfsouth.com>
Organization: InterNex Information Services 1-800-595-3333
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <01bc6592$950cb5c0$66029ace@graham.surfsouth.com>,
"Graham" <not@public.com> wrote:
>This is where we differ. I think that anyone can learn code, just as you
>think anyone can learn theory.

It isn't a question of learning the code for most people (though it may be for some). It is a question of being able to develop FAST ENOUGH conditioned reflexes and FAST ENOUGH handwriting to copy at the required speed.

How would you like to have only a fraction of a second to do each of the calculations in a (randomized) written test?

Andy Nourse - KC1IP

From 8025508353894958168
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: kd1hz@anomaly.ideamation.com.nospam (Michael P. Deignan)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/21
Message-ID: <5ltvku$eev@anomaly.ideamation.com>#1/1
X-Deja-AN: 242767927
References: <33236044.339E@kerrlake.com> <33

```
<01bc64aa$5edb9cc0$77029ace@graham.surfsouth.com>
<5lsm06$h8u@news.service.uci.edu>
Organization: The Ace Tomato Company
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio


In article <5lsm06$h8u@news.service.uci.edu>,
     James W. KELLEY <jwkelley@e4e.oac.uci.edu> wrote:

>I believe the last definition has the most relavence here, and it is
>precisely the issue.

According to the definition you posted, theory exams are discriminatory.

MD
--
--  Ted Kennedy has killed more people with his car than I have
--  with my guns.
--
--  If you don't like my opinions, that's just too damn bad.



From 1484942195971723325
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: jcraig@morgan.ucs.mun.ca (Joe Craig)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/21
Message-ID: <5lv901$60t@coranto.ucs.mun.ca>#1/1
X-Deja-AN: 242878083
References: <33236044.339E@kerrlake.com> <33
<01bc64aa$5edb9cc0$77029ace@graham.surfsouth.com>
<5lsm06$h8u@news.service.uci.edu> <5ltvku$eev@anomaly.ideamation.com>
Followup-To: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
Organization: Memorial University of Newfoundland
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio


Michael P. Deignan (kd1hz@anomaly.ideamation.com.nospam) wrote:
: In article <5lsm06$h8u@news.service.uci.edu>,
:    James W. KELLEY <jwkelley@e4e.oac.uci.edu> wrote:

: >I believe the last definition has the most relavence here, and it is
: >precisely the issue.

: According to the definition you posted, theory exams are discriminatory.
```

In the FASC report, it also recommends exams 'that reflect a
basic knowledge of all modes, operating practices and operational ethics.'
No mention of theory at all.

Apparently, the RAC FASC saw no need for either theory or CW testing.
Incidently, the FASC report was accepted by the RAC executive. RAC did not
claim that this report and its acceptance were sanctioned by Canadian amateurs.

: MD
: --
: -- Ted Kennedy has killed more people with his car than I have
: -- with my guns.
: --
: -- If you don't like my opinions, that's just too damn bad.

--
73 Joe VO1NA

From -2594498202764385156
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: glenq@NOSPAMcyberhighway.net (Glen Quarnstrom)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/21
Message-ID: <339258e4.10653878@news.cyberhighway.net>#1/1
X-Deja-AN: 242917065
References: <33236044.339E@kerrlake.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
<5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
<3394c6df.11576006@news.cyberhighway.net> <3380D0C8.632@ccm.ch.intel.com>
<339226e3.14216095@news.cyberhighway.net>
<01bc6575$9ba9b260$f090f5ce@wa6vse.fast.net>
Organization: CyberHighway Internet Services
Reply-To: address@sig
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

"Carl R. Stevenson" <wa6vse@fast.net> wrote:

>Glen Quarnstrom <glenq@NOSPAMcyberhighway.net> wrote in article
><339226e3.14216095@news.cyberhighway.net>...

>> >Or "merely" years and years of failure to get to 13wpm. Then the indignity

```
>>
>> Such cases, while they probably do exist, are so rare as to be
>> statistically irrelevant to the discussion of Morse testing.
>
>How do you know that?  Do you have detailed statistics on how many

How do you know it isn't?  Do YOU have any such stats?  A gratuitous
claim can be refuted by an equally gratuitous rebuttal.  It's up to
the original party to show that a significant number of people cannot
pass a code test after "years of failure."  Besides, for the purposes
of this silly argument, a 5WPM test is sufficient, and I maintain that
is a relatively trivial task.

I have plenty of anecdotal evidence of people who have overcome
serious handicaps to get a ham license, even back in the days when
there were no legitimate no-code hams, and passing the CW tests was
far more difficult than it is nowadays.  Code is hard for most people.
It was hard for me.  For some it's harder.  Same with the theory test.
You either deal with it, or you do something else.  Whining won't help
a bit.

>people have tried and failed over the decades?  The existing community's
>experience is self-selected for those with inherent Morse talent/ability.

That's baloney.  I have no "inherent Morse talent/ability," and yet  I
have an Extra Class ticket.  I didn't need the privileges.  I just did
it for the same reason people climb mountains; "because it was there."
Most of the hams I know never use code.  Many of them have no-code
tickets.  Quite a few others cheated on the tests and couldn't send
their own call in CW.  I see no evidence that your statement is valid,
particularly in recent years.  Back when CW was the major method of
ham comms, then it may have been true.
--
glenq@cyberhighway.net
WB7DOW @ KB7CFD.ID.USA.NOAM



From 6299829272438042891
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: glenq@NOSPAMcyberhighway.net (Glen Quarnstrom)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/21
Message-ID: <33945a47.11008047@news.cyberhighway.net>#1/1
X-Deja-AN: 242917066
References: <33236044.339E@kerrlake.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
```

<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
<5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
<3394c6df.11576006@news.cyberhighway.net> <3380D0C8.632@ccm.ch.intel.com>
<339226e3.14216095@news.cyberhighway.net> <3382891B.622F@delphi.com>
Organization: CyberHighway Internet Services
Reply-To: address@sig
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

"Cecil A. Moore" <cecilmoore@delphi.com> wrote:

>Glen Quarnstrom wrote:
>> There's nothing lame about it. It's a valid point in refuting your
>> claim.
>
>Glen, if you really believe that, I feel sorry that you are so out of
>touch with reality. The great majority of people love their hobbies.

More insults. Do you have a point, or don't you?

>The great majority of people do not love their jobs and some hate them.

And your evidence for this is...?

>(IMHO, you don't believe it at all and just lacked anything rational
>with which to respond).

I could expand on this issue, but I don't see any reason to. If you
couldn't see the point from my admittedly poorly chosen analogy, it's
unlikely you'd see it no matter how much I clarified it.
--
glenq@cyberhighway.net
WB7DOW @ KB7CFD.ID.USA.NOAM

From 8537487654911286846
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: glenq@NOSPAMcyberhighway.net (Glen Quarnstrom)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/21
Message-ID: <338644f0.5544342@news.cyberhighway.net>#1/1
X-Deja-AN: 242917067
References: <33236044.339E@kerrlake.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
<5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>

<3394c6df.11576006@news.cyberhighway.net>
<01bc64b2$6ab60000$5d95f5ce@wa6vse.fast.net>
<339527e3.14471966@news.cyberhighway.net>
<01bc6574$574b5de0$f090f5ce@wa6vse.fast.net>
Organization: CyberHighway Internet Services
Reply-To: address@sig
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

"Carl R. Stevenson" <wa6vse@fast.net> wrote:

>Glen Quarnstrom <glenq@NOSPAMcyberhighway.net> wrote in article
><339527e3.14471966@news.cyberhighway.net>...
>> "Carl R. Stevenson" <wa6vse@fast.net> wrote:
>>
>> >Glen Quarnstrom <glenq@NOSPAMcyberhighway.net> wrote in article
>> >> Sure. Lots of folks work on the space program, for instance, and have
>> >> no chance of getting into space. It's merely a matter of a few weeks
>> >> or months of practice and most anyone can get on HF.
>> >
>> >Still haven't found a "clue rental" place, huh, Glen ... here's a freebie:
>> >Those thousands of folks who work on the space program do it for
>> >money ... that's how they earn their living ...
>> >
>> >Your lame comparisons aren't worth the bandwidth ... you must have
>> >studied under Mike ...
>>
>> Ah, insults -- the stock refuge of those who have no logical
>> arguments.
>
>Read what you said again, Glen ... the comparison to the space program
>*IS* lame ...

No, it isn't. It's not the best analogy I could have chosen, but the
point is still valid. I notice you don't try to defend the REAL
insults in your post, however. I refer to the comments about "clue
rental" and a comparison to another poster which gives you a nice "two
insults for the price of one."

>> The really sad thing is that I generally support the
>> elimination or relaxation of the CW requirements, but attitudes such
>> as yours make it extremely difficult to defend that position. I've
>> sat here and watched you insult poster after poster, and just shook my
>> head. You have enough intelligence and literacy to make your points
>> without resorting to insults. What's to be gained by turning this
>> into a flame war?

>I'm glad you favor modernization, Glen, I really am ... it's just that
>I'm so DAMNED tired of all the lame excuses for maintaining something
>that's nothing more than a quasi-religious fraternity hazing ritual that
>when I see another ridiculous comparison/excuse it sometimes sets
>me off ...

And I'm equally tired of the lame arguments and insults of the no-code
crowd, not to mention the mind-numbing pointless redundancy of the
whole religious war between pro-code and no-code advocates.

>> And then we wonder why hams have such a bad name, and why the hobby is
>> dying on the vine. Your attitude is part of the problem, Carl, not
>> part of the solution.
>
>The attitude is a result of nearly 25 years of putting up with this code
>crap ... and the lousy attitudes of the "superior" hams who beep. Sorry

The attitudes of one side are no better or worse than the attitudes on
the other. Also, it's a mistake to categorize the attitude of
everyone involved by the excesses of a few vocal advocates.

>for taking it out on you ... I've just sort of reached the "mad as hell and
>not going to take it any more" point ...

Oh, I see. And so jumping down the throats of potential allies and
possibly antagonizing neutral lurkers is somehow going to help your
cause? I fail to see how your tactics are doing your case any good
whatsoever.

--
glenq@cyberhighway.net
WB7DOW @ KB7CFD.ID.USA.NOAM

From 1185130902038729096
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: glenq@NOSPAMcyberhighway.net (Glen Quarnstrom)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/21
Message-ID: <33894c25.7389642@news.cyberhighway.net>#1/1
X-Deja-AN: 242917068
References: <33236044.339E@kerrlake.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
<5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
<3394c6df.11576006@news.cyberhighway.net> <3380D0C8.632@ccm.ch.intel.com>
<339226e3.14216095@news.cyberhighway.net>
<01bc6575$9ba9b260$f090f5ce@wa6vse.fast.net>
<01bc6592$950cb5c0$66029ace@graham.surfsouth.com>
Organization: CyberHighway Internet Services
Reply-To: address@sig
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

"Graham" <not@public.com> wrote:

>Novice to Extra class, were all the same. The idea that dropping the code
>test will cause a massive influx into the hobby was disproved with the
>no-code tech license. We got some good people, but it was not the flood
>that the no-code side predicted and we still have slow growth. So I guess

Concurrence.

>what needs to happen is some REAL debate over what we should to resolve the
>problem of slow growth. Fighting among ourselves sure won't do it. I'm
>trying from my end. I'm a VE and teach code and theory classes when I can.
>I'm open to NEW ideas gang! Lets start kicking some ideas around instead of
>each other. What do you say?
>
>73,
>K4XA
>Graham

Sounds good to me, Graham. Anything's better than continuing the
endless, boring debate/whinefest/flamewar over code testing.
--
glenq@cyberhighway.net
WB7DOW @ KB7CFD.ID.USA.NOAM

From 2873689120273235557
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Graham" <not@public.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/21
Message-ID: <01bc663b$d6a3e4a0$43029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 242948098
References: <33236044.339E@kerrlake.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
<5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
<3394c6df.11576006@news.cyberhighway.net> <3380D0C8.632@ccm.ch.intel.com>
<339226e3.14216095@news.cyberhighway.net>
<01bc6575$9ba9b260$f090f5ce@wa6vse.fast.net>
<01bc6592$950cb5c0$66029ace@graham.surfsouth.com>
<5lttis$8bs@masters0.InterNex.Net>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

> It isn't a question of learning the code for most people (though it may
be
> for some). It is a question of being able to develop FAST ENOUGH
conditioned
> reflexes and FAST ENOUGH handwriting to copy at the required speed.
>
> How would you like to have only a fraction of a second to do each of the
> calculations in a (randomized) written test?
>
> Andy Nourse - KC1IP

Apples and oranges, Andy. But just to have a new idea out in cyber-ham
land, what if the speed required was lowered?

Graham
K4XA

From -6471673457616998451
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Graham" <not@public.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/21
Message-ID: <01bc663d$a4c5dcc0$43029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 242948589
References: <33236044.339E@kerrlake.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
<5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
<3394c6df.11576006@news.cyberhighway.net> <3380D0C8.632@ccm.ch.intel.com>
<339226e3.14216095@news.cyberhighway.net>
<01bc6575$9ba9b260$f090f5ce@wa6vse.fast.net>
<01bc6592$950cb5c0$66029ace@graham.surfsouth.com>
<5lttis$8bs@masters0.InterNex.Net> <338289FF.32AB@delphi.com>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Cecil A. Moore <cecilmoore@delphi.com> wrote in article
<338289FF.32AB@delphi.com>...
> The Tie-Dyed Side of the Force wrote:
> > How would you like to have only a fraction of a second to do each of
the
> > calculations in a (randomized) written test?

>
> ... while hanging upside down writing with your toes? Some otherwise
> super qualified people find Morse code just that difficult, if not
> impossible.
>
> 73, Cecil, W6RCA, OOTC

And some of us found the theory side just as hard. I am one of those people. I could have just memorized questions and answers, but to me thats worthless. This is also why I'm in favor of dumping the "question pool" and giving real theory exams. However, I worked hard on something that I was slow to understand and did not enjoy. Not to say the 20 WPM was easy! I just did not have to work as hard on that because I used it almost every day. Thats what it takes. The reward was my Extra ticket. I'm sorry Cecil, I just don't buy this argument. I have seen too many people do it to believe that its that big an obstacle to overcome. Also, how would you feel about a reduction in the speed required at different levels? Just trying new ideas out. What do you think?

Graham
K4XA

From -5585382660339654104
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Cecil Moore <cecil_a_moore@ccm.ch.intel.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/21
Message-ID: <33838962.6CF4@ccm.ch.intel.com>#1/1
X-Deja-AN: 242953468
References: <33236044.339E@kerrlake.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
<5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
<3394c6df.11576006@news.cyberhighway.net> <3380D0C8.632@ccm.ch.intel.com>
<339226e3.14216095@news.cyberhighway.net>
<01bc6575$9ba9b260$f090f5ce@wa6vse.fast.net>
<01bc6592$950cb5c0$66029ace@graham.surfsouth.com>
<5lttis$8bs@masters0.InterNex.Net> <338289FF.32AB@delphi.com>
<01bc663d$a4c5dcc0$43029ace@graham.surfsouth.com>
Organization: Intel Corp.
Reply-To: cecil_a_moore@ccm.ch.intel.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Graham wrote:
> Also, how would you feel about a reduction in the speed required at
> different levels? Just trying new ideas out. What do you think?

Well, since I can copy 15wpm with no sweat, I suggest 10wpm for general
and 15wpm for extra. ;-)

73, Cecil, W6RCA, OOTC

```
From 7235879352504724966
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/22
Message-ID: <01bc6648$1a860340$2b9cf5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 242958001
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<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
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<5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
<3394c6df.11576006@news.cyberhighway.net> <3380D0C8.632@ccm.ch.intel.com>
<339226e3.14216095@news.cyberhighway.net>
<01bc6575$9ba9b260$f090f5ce@wa6vse.fast.net>
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<5lttis$8bs@masters0.InterNex.Net> <338289FF.32AB@delphi.com>
<01bc663d$a4c5dcc0$43029ace@graham.surfsouth.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
```

Graham <not@public.com> wrote in article
<01bc663d$a4c5dcc0$43029ace@graham.surfsouth.com>...
> Cecil A. Moore <cecilmoore@delphi.com> wrote in article
> <338289FF.32AB@delphi.com>...
> > The Tie-Dyed Side of the Force wrote:
> > > How would you like to have only a fraction of a second to do each of
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> > > calculations in a (randomized) written test?
> >
> > ... while hanging upside down writing with your toes? Some otherwise
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> > impossible.
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>

> And some of us found the theory side just as hard. I am one of those
> people. I could have just memorized questions and answers, but to me thats
> worthless. This is also why I'm in favor of dumping the "question pool" and
> giving real theory exams. However, I worked hard on something that I was
> slow to understand and did not enjoy. Not to say the 20 WPM was easy! I
> just did not have to work as hard on that because I used it almost every
> day. Thats what it takes. The reward was my Extra ticket. I'm sorry Cecil,
> I just don't buy this argument. I have seen too many people do it to
> believe that its that big an obstacle to overcome. Also, how would you feel
> about a reduction in the speed required at different levels? Just trying
> new ideas out. What do you think?

Graham ... as I said in my pervious response ... I'm not (and I don't think other code-test-elimination proponents are) saying "theory is easy" or "anyone can learn the theory" (though I believe *most* can ...)

It's a question of what's a necessary, compelling requirement ... and theory is undeniably a valid, compelling requirement in a technical service ... while Morse is long outdated, abandoned in virtually every other service, and just a recreational prefrence unrelated to the government's legitimate regulatory purposes ... one could even argue legitimately (and I do) that continued Morse testing is COUNTER to the government's interest in an expanding, progressive ARS that meets the objectives of 97.1 and "pays its way" in return for its bands.

Carl - wa6vse
wa6vse@fast.net

From 1069498093446315627
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/22
Message-ID: <01bc6647$4461c2e0$2b9cf5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 242958047
References: <33236044.339E@kerrlake.com>
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<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
<5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
<3394c6df.11576006@news.cyberhighway.net> <3380D0C8.632@ccm.ch.intel.com>
<339226e3.14216095@news.cyberhighway.net>
<01bc6575$9ba9b260$f090f5ce@wa6vse.fast.net>
<01bc6592$950cb5c0$66029ace@graham.surfsouth.com>
Organization: I never said I was organized

Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Graham <not@public.com> wrote in article
<01bc6592$950cb5c0$66029ace@graham.surfsouth.com>...

> Carl R. Stevenson <wa6vse@fast.net> wrote in article
> <01bc6575$9ba9b260$f090f5ce@wa6vse.fast.net>...
>
> > How do you know that? Do you have detailed statistics on how many people have tried and failed over the decades? The existing community's experience is self-selected for those with inherent Morse talent/ability.
> >
> > Carl - wa6vse
> > wa6vse@fast.net
>
> Hi Carl,
>
> This is where we differ. I think that anyone can learn code, just as you think anyone can learn theory.

I don't believe that "anyone can learn theory" any more than I believe that "anyone can learn code" ... I never said EITHER of those things ... I will readily admit that there are likely a small percentage of people who are simply not intelligent enough to grasp even the basic level of theory that is necessary to qualify one for a ham license ... THAT'S NOT THE POINT.

The point is that Morse is not a relevant or necessary for the government to make it a license requirement ... the basic theory knowledge IS ... because of the technical nature of what the license permits. (despite the ridiculous arguments to the contrary by folks like "put in a box and ship it to Yaesu MD"

> You have stated many times that its just a simple encryption of the alphabet. So, why can't someone as intelligent as an EE's (no sarcasm intended, I sure can't do what they do) learn this simple encryption to advance within their chosen hobby?

While I would maintain that the inate ability (musical, tonal, timing, and other neurological concerns of a hereditary nature, etc.) to learn Morse is HIGHLY variable, it is probably true that the number of folks who cannot learn Morse *no matter how hard or long they try* is probably fairly small ... this is irrelevant ... the point is that Morse is simply not a compelling requirement for access to the HF spectrum (or any other spectrum) and therefore should not BE a requirement ...

> This is the fundamental difference in our opinions. I do agree a good first step to resolution would be to drop the worthless "question pool" and replace it with valid theory testing.

I have steadfastly supported improvements in the theory test and the test methodology ...

> But as long as code remains as widely used as it is today, I can't see just dropping it.

It should not be a popularity contest, particularly one restricted to incumbents ... that's like asking the few rich people in the world if they'd like to share their wealth with the working folks ...

> Yes, I do have an Extra class but I don't for one second think that it in any way gives me, or any one else that has one, some kind of "status". Its just the next license up from where I was and "because it was there" I got it. A ham is a ham. From Novice to Extra class, were all the same.

I'm glad that you're not professing the egomanical sort of "superiority" that some fanatical beepers profess ...

> The idea that dropping the code test will cause a massive influx into the hobby was disproved with the no-code tech license. We got some good people, but it was not the flood that the no-code side predicted and we still have slow growth.

The growth was significant, and even after the "initial rush" the current numbers and growth are MUCH better than they were before ... and the current no-code class is still no the draw that "true ham status" (including HF without discrimination on the basis of the "beeo/no-beep" question) would be ... I'll bet that if you offered free lobster dinners at a nice restaurant in "the best part of town" you'd get more takers than if you offered a day-old burger at some cockroach-infested greasy spoon in the "bad neighborhood."

> So I guess what needs to happen is some REAL debate over what we should to resolve the problem of slow growth. Fighting among ourselves sure won't do it. I'm trying from my end. I'm a VE and teach code and theory classes when I can. I'm open to NEW ideas gang! Lets start kicking some ideas around instead of each other. What do you say?

I said quite a bit right here ... I "kick" when I start to hear the same old, tired excuses for proping up the Morse hazing ritual ... if you want to debate modernization and the future of ham radio without the quasi-religious Morse dogma, I'll be happy to do so ... but dogma are like hot-dogs ... I like 'em well-toasted ...

Carl - wa6vse
wa6vse@fast.net

From 1213130465184484576
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/22
Message-ID: <01bc6648$c9c460e0$2b9cf5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 242958782
References: <33236044.339E@kerrlake.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
<5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
<3394c6df.11576006@news.cyberhighway.net> <3380D0C8.632@ccm.ch.intel.com>
<339226e3.14216095@news.cyberhighway.net>
<01bc6575$9ba9b260$f090f5ce@wa6vse.fast.net>
<01bc6592$950cb5c0$66029ace@graham.surfsouth.com>
<5lttis$8bs@masters0.InterNex.Net>
<01bc663b$d6a3e4a0$43029ace@graham.surfsouth.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Graham <not@public.com> wrote in article
<01bc663b$d6a3e4a0$43029ace@graham.surfsouth.com>...
> > It isn't a question of learning the code for most people (though it may
> be
> > for some). It is a question of being able to develop FAST ENOUGH
> conditioned
> > reflexes and FAST ENOUGH handwriting to copy at the required speed.
> >
> > How would you like to have only a fraction of a second to do each of the
> > calculations in a (randomized) written test?
> >
> > Andy Nourse - KC1IP
>
> Apples and oranges, Andy. But just to have a new idea out in cyber-ham
> land, what if the speed required was lowered?
>
> Graham
> K4XA

The proposal for restructuring that we've been debating lately contemplates
two license classes, both with access to all HF bands, all modes, with only
a 5 wpm code test. The "higher" class would be allowed full power, to be a
VE, etc. and the "lower" class would have a power limit of say 50-250W on
HF and say 50W on the higher bands where biological safety concerns would
be more pronounced ...

It was also proposed that when the ITU treaty requirement changes, that all
Morse testing would cease ... those who wish to use Morse would still be able

```
to
and if they feel a need for a piece of paper that says they are proficient at
some
particular speed, they would find the ARRL happy, I am sure, to sell them one
for a nominal fee ...

Carl - wa6vse
wa6vse@fast.net
```

```
From -747447196499272531
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/22
Message-ID: <01bc6649$f88765c0$2b9cf5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 242962702
References: <33236044.339E@kerrlake.com> <33
<01bc64aa$5edb9cc0$77029ace@graham.surfsouth.com>
<5lsm06$h8u@news.service.uci.edu> <5ltvku$eev@anomaly.ideamation.com>
<5lv901$60t@coranto.ucs.mun.ca>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio


Joe Craig <jcraig@morgan.ucs.mun.ca> wrote in article
<5lv901$60t@coranto.ucs.mun.ca>...
> Michael P. Deignan (kd1hz@anomaly.ideamation.com.nospam) wrote:
> : In article <5lsm06$h8u@news.service.uci.edu>,
> :  James W. KELLEY <jwkelley@e4e.oac.uci.edu> wrote:
>
> : >I believe the last definition has the most relavence here, and it is
> : >precisely the issue.
>
> : According to the definition you posted, theory exams are discriminatory.
>
> In the FASC report, it also recommends exams 'that reflect a
> basic knowledge of all modes, operating practices and operational ethics.'
> No mention of theory at all.

More MD distortion ... exams "that reflect a basic knowledge of all modes ..."
sure sounds like a theory test to me ... and I'll bet it sounds like a theory
test to most rational readers, too ...

> Apparently,  the RAC FASC saw no need for either theory or CW testing.
```

More MD strawmen ...

> Incidently, the FASC report was accepted by the RAC executive. RAC did not
> claim that this report and its acceptance were sanctioned by Canadian
amateurs.

At least the Canadians elected leaders with the cajones to do what's right
even if it's not the popular whim of the mob ... though I suspect most
Canadians
are more sensible than MD would imply ...

Carl - wa6vse
wa6vse@fast.net

From -6976067336321559703
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Graham" <not@public.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/22
Message-ID: <01bc665e$ed8f9420$5c029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 242985652
References: <33236044.339E@kerrlake.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
<5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
<3394c6df.11576006@news.cyberhighway.net> <3380D0C8.632@ccm.ch.intel.com>
<339226e3.14216095@news.cyberhighway.net>
<01bc6575$9ba9b260$f090f5ce@wa6vse.fast.net>
<01bc6592$950cb5c0$66029ace@graham.surfsouth.com>
<5lttis$8bs@masters0.InterNex.Net>
<01bc663b$d6a3e4a0$43029ace@graham.surfsouth.com>
<01bc6648$c9c460e0$2b9cf5ce@wa6vse.fast.net>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Carl R. Stevenson <wa6vse@fast.net> wrote in article
<01bc6648$c9c460e0$2b9cf5ce@wa6vse.fast.net>...
> The proposal for restructuring that we've been debating lately
contemplates
> two license classes, both with access to all HF bands, all modes, with
only
> a 5 wpm code test. The "higher" class would be allowed full power, to be

a
> VE, etc. and the "lower" class would have a power limit of say 50-250W on
> HF and say 50W on the higher bands where biological safety concerns would
> be more pronounced ...

Hi Carl,

Well, its a start to a new debate but........... How are we going to
regulate it? I don't think anybody would stick to the power limit.

Graham
K4XA

From 6193827842657575550
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Ed Hare, W1RFI" <ehare@arrl.org>
Subject: Amateur Exams (was: Re: CW should die, not the "hobby")
Date: 1997/05/22
Message-ID: <5m1n1c$7o2@mgate.arrl.org>#1/1
X-Deja-AN: 243096190
References: <33236044.339E@kerrlake.com> <01bc5956$e2ad50c0$783b8080@cbx-nt>
<33716880.1E <01bc6217$33db2120$e690f5ce@wa6vse.fast.net>
<5li4n4$666@news.service.uci.edu> <01bc6265$e000d0a0$189cf5ce@wa6vse.fast.net>
<337DE81D.457A@ix.netcom.com>
Organization: American Radio Relay League, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Thomas Foster <tlfoster@ix.netcom.com> wrote:

>Carl R. Stevenson wrote:

>> The present exams do not assure that minimal necessary level of
>> knowledge and skill, as witnessed by the know-nothings in our ranks >>... some
of whom are extras and haven't a clue, even about =
such basic >> things as Ohm's Law and how to cut a diplole to resonance ... we >>
cannot permit that sort of thing to continue.

>I believe you can attribute the lack of knowledge above to the question
>pool, which I advocate eliminating completely.

If we assume that the FCC is peramanently out of the exam business, how
could we devise an exam system that would be reasonably consistent
without a question pool? I do not ask this to be argumentative, but

hoping that some good ideas will come out of the ensuing discussion.

(I can do no more or less with the good ideas than you can; I work in the
Lab here, so I can't be a member of the ARRL Board of Directors; we have
a policy that no Director can have a finanical stake in amateur radio, so
I would be disqualified.)

(But, "Director Hare ..." wouldn't that strike fear into their hearts?
:-))

--

73 from ARRL HQ,
Ed Hare, W1RFI
ARRL Laboratory Supervisor

From -4049632167678429964
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Ed Hare, W1RFI" <ehare@arrl.org>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/22
Message-ID: <5m1n72$7o2@mgate.arrl.org>#1/1
X-Deja-AN: 243100361
References: <33236044.339E@kerrlake.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
<5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
<3394c6df.11576006@news.cyberhighway.net> <3380D0C8.632@ccm.ch.intel.com>
Organization: American Radio Relay League, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Cecil Moore <cecil_a_moore@ccm.ch.intel.com> wrote:

>Glen Quarnstrom wrote:

>> Sure. Lots of folks work on the space program, for instance, and have
>> no chance of getting into space.

>We are talking about a hobby, not a career.
>Repeat after me: career = income, hobby = fun. Lots of people have
>a job that's no fun. Only a masochist would have a hobby that's no
>fun. Do you have a hobby that's no fun? Why do you want someone else

>to have a hobby that's no fun?

Gosh, how do I fit into to this one? My hobby is my career, but it is
still a lot of fun. :-)

73,
Ed Hare, W1RFI

From -3651037912260535553
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: keinanen@sci.fi (Paul Kein�nen)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/22
Message-ID: <339cff3a.178671015@news.sci.fi>#1/1
X-Deja-AN: 243138886
References: <5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
<3394c6df.11576006@news.cyberhighway.net> <3380D0C8.632@ccm.ch.intel.com>
<339226e3.14216095@news.cyberhighway.net>
<01bc6575$9ba9b260$f090f5ce@wa6vse.fast.net>
<01bc6592$950cb5c0$66029ace@graham.surfsouth.com>
<5lttis$8bs@masters0.InterNex.Net>
<01bc663b$d6a3e4a0$43029ace@graham.surfsouth.com>
<01bc6648$c9c460e0$2b9cf5ce@wa6vse.fast.net>
<01bc665e$ed8f9420$5c029ace@graham.surfsouth.com>
Organization: Scifi Communications International, http://www.sci.fi/,
helpdesk@sci.fi, +358 3 2899111
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

"Graham" <not@public.com> wrote:

>Carl R. Stevenson <wa6vse@fast.net> wrote in article
><01bc6648$c9c460e0$2b9cf5ce@wa6vse.fast.net>...
>> The proposal for restructuring that we've been debating lately
>contemplates
>> two license classes, both with access to all HF bands, all modes, with
>only
>> a 5 wpm code test. The "higher" class would be allowed full power, to be
>a
>> VE, etc. and the "lower" class would have a power limit of say 50-250W on
>> HF and say 50W on the higher bands where biological safety concerns would
>> be more pronounced ...
>

>
>Hi Carl,
>
>Well, its a start to a new debate but.......... How are we going to
>regulate it? I don't think anybody would stick to the power limit.

In Finland the power limit on HF for the entry level Basic/Novice license is 120 W and within that limit, you can use most of the rigs on the market, since almost all are in the "100 W" range. To get up to the General class power limit (1000 W) you are going to need an external linear amplifier. I have heard of very few novices buying or owning such devices, so it not a big problem over here. The important thing is that the power difference between the classes is large enough and that the higher limit requires an investment (external amplifier) that is not needed or of any use at the lower class.

Paul OH3LWR

From 6878561907933815115
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Graham" <not@public.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/22
Message-ID: <01bc6704$4c2bcbc0$44029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 243178357
References: <5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
<3394c6df.11576006@news.cyberhighway.net> <3380D0C8.632@ccm.ch.intel.com>
<339226e3.14216095@news.cyberhighway.net>
<01bc6575$9ba9b260$f090f5ce@wa6vse.fast.net>
<01bc6592$950cb5c0$66029ace@graham.surfsouth.com>
<5lttis$8bs@masters0.InterNex.Net>
<01bc663b$d6a3e4a0$43029ace@graham.surfsouth.com>
<01bc6648$c9c460e0$2b9cf5ce@wa6vse.fast.net>
<01bc665e$ed8f9420$5c029ace@graham.surfsouth.com> <339cff3a.178671015@news.sci.fi>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Paul Kein�nen <keinanen@sci.fi> wrote in article
<339cff3a.178671015@news.sci.fi>...

-------------------SNIP--------------------

>The important thing is that the power difference between the classes is
large >enough and that the higher limit requires an investment (external
amplifier)
> that is not needed or of any use at the lower class.
>
> Paul OH3LWR
>

Good point Paul. Thanks for your input!

K4XA
Graham

From -6880301857754510070
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/22
Message-ID: <01bc670a$e28c2320$b395f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 243637804
References: <33236044.339E@kerrlake.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
<5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
<3394c6df.11576006@news.cyberhighway.net> <3380D0C8.632@ccm.ch.intel.com>
<339226e3.14216095@news.cyberhighway.net>
<01bc6575$9ba9b260$f090f5ce@wa6vse.fast.net>
<01bc6592$950cb5c0$66029ace@graham.surfsouth.com>
<5lttis$8bs@masters0.InterNex.Net>
<01bc663b$d6a3e4a0$43029ace@graham.surfsouth.com>
<01bc6648$c9c460e0$2b9cf5ce@wa6vse.fast.net>
<01bc665e$ed8f9420$5c029ace@graham.surfsouth.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Graham <not@public.com> wrote in article
<01bc665e$ed8f9420$5c029ace@graham.surfsouth.com>...
> Carl R. Stevenson <wa6vse@fast.net> wrote in article
> <01bc6648$c9c460e0$2b9cf5ce@wa6vse.fast.net>...
> > The proposal for restructuring that we've been debating lately
> contemplates
> > two license classes, both with access to all HF bands, all modes, with
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> > a 5 wpm code test. The "higher" class would be allowed full power, to be
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> > VE, etc. and the "lower" class would have a power limit of say 50-250W on
> > HF and say 50W on the higher bands where biological safety concerns would
> > be more pronounced ...
>
>
> Hi Carl,
>
> Well, its a start to a new debate but.......... How are we going to
> regulate it? I don't think anybody would stick to the power limit.
>
> Graham
> K4XA

Why do you say that ... there doesn't seem to have been a problem with
novice/tech+ ops using big PAs ... a power limit is justifiable on the basis
that the test doesn't require as much demonstration of technical savy ...
sub-bands as class distinction are completely arbitrary ... there's no
fundamental difference between any two frequencies on the 20m
voice segments ... why should things be balkanized in some eletist
fashion???

in the proposal, mere posession of a PA capable of exceeding the limit
would be prima facia evidence of violation.

Carl - wa6vse
wa6vse@fast.net

From 6520192263865045712
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: billsohl@planet.net (Bill Sohl)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/23
Message-ID: <5m3360$je9@jupiter.planet.net>#1/1
X-Deja-AN: 243215649
References: <33236044.339E@kerrlake.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
<5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
<3394c6df.11576006@news.cyberhighway.net> <3380D0C8.632@ccm.ch.intel.com>
<339226e3.14216095@news.cyberhighway.net>
<01bc6575$9ba9b260$f090f5ce@wa6vse.fast.net>
<01bc6592$950cb5c0$66029ace@graham.surfsouth.com>

<5lttis$8bs@masters0.InterNex.Net>
<01bc663b$d6a3e4a0$43029ace@graham.surfsouth.com>
<01bc6648$c9c460e0$2b9cf5ce@wa6vse.fast.net>
<01bc665e$ed8f9420$5c029ace@graham.surfsouth.com>
Organization: Mount Olive Township (NJ) Emergency Management
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

"Graham" <not@public.com> wrote:

>Carl R. Stevenson <wa6vse@fast.net> wrote in article
><01bc6648$c9c460e0$2b9cf5ce@wa6vse.fast.net>...
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>> VE, etc. and the "lower" class would have a power limit of say 50-250W on
>> HF and say 50W on the higher bands where biological safety concerns would
>> be more pronounced ...

>Well, its a start to a new debate but........... How are we going to
>regulate it? I don't think anybody would stick to the power limit.
>Graham K4XA

Why not. Novices in the 50's had a 75w power limit and
I don't recall ever seeing it as a problem or a limit that was
routinely being ignored.

Bill Sohl K2UNK
ARRL Local Gov't Liaison, Mt. Olive Township, NJ
Visit the No-Code WEB site: http://www.nocode.org

From -1489005086852716889
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2130ebe021089557,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fe552,2130ebe021089557,start
X-Google-Attributes: gidfe552,public
X-Google-Thread: 10fe7d,2130ebe021089557,start
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X-Google-Thread: f7653,2130ebe021089557,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: 114a57,2130ebe021089557,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: fa656,2130ebe021089557,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114671,2130ebe021089557,start
X-Google-Attributes: gid114671,public

X-Google-Thread: 11480d,2130ebe021089557,start
X-Google-Attributes: gid11480d,public
From: "CRAZY Dx.G." <crazy@grisnet.it>
Subject: I.I.A. Trophy 1997 by Crazy Dx Group
Date: 1997/05/23
Message-ID: <01bc67b7$55f7a3a0$0100007f@default>
X-Deja-AN: 245540645
Organization: Telecom Italia - Video On Line
Newsgroups: alt.ham-radio.hf,aus.radio.amateur.misc,es.rec.radio.amateur,it.hobby.radioamatori,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.misc,rec.radio.cb,uk.radio.amateur

I.I.A. Italian Islands Award

*** IIA TROPHY - 1997 ***

This Trophy is issued by the Crazy DX Group.
Every OM and SWL (world-wide) can participate.
The purpose is to contact/listen/activate the largest number of different italian islands.
Only referenced islands from the official IIA list will be valid, but also any possible island reference released after the Trophy's starting.
The participation is free of cost.
Have a good hunting !

PARTICIPATION PERIOD

From June 1st to September 30th   1997.

BANDS

It will be valid every qso/listening/activity on every amateur radio band.

POINTS

Each different contacted/listened/activated italian island will count 1 point.

CATEGORIES AND PRIZES

3 categories are available: OM, SWL and DX-PEDITIONERS.
It's possible to participate at more than 1 category. Points of different categories cannot be combinable.
In the DX-PEDITIONERS category, it's necessary for the participant to be

the owner of the used call-sign in every activity.
A plaque will be awarded to the top scoring participants in each category.
Complete results will be sent by the postal service to every participant.

LOGS

Complete logs with datas of every qso/listening (call-sign, date, UTC time, band, mode, IIA reference, correspondent call-sign for SWL category) should be sent within November 30th 1997 to the following address:

CRAZY DX GROUP - P.O. BOX 11 - 04011 APRILIA - ITALY
or through e-mail: crazy@grisnet.it

For DX-PEDITIONERS category's participants, it will be enough to send the complete activities list (dates, used call-signs and IIA references).

SPECIAL PRIZE FOR THE CRAZY DX GROUP MEMBERS

A special prize will be awarded to the Crazy DX Group member that will achieve the best result.

CRAZY DX GROUP
P.O. BOX 11
04011 Aprilia (LT) - ITALY

BBS IK0QDB@I0LCJ.ILAZ.ITA.EU
PCL IK0QDB >I0OWK-6
E-mail crazy@grisnet.it
web-site http://www.mline.peoples.it/crazy

****

I.I.A. Italian Islands Award

-- TROFEO IIA 1997 --

Il Trofeo, istituito dal Crazy DX Group, e' aperto a tutti gli OM ed SWL italiani e stranieri.
Scopo della competizione e' di collegare/ascoltare/attivare il maggior numero di isole italiane diverse.
Fara' testo la lista ufficiale IIA. Saranno valide anche eventuali

referenze assegnate dopo l'inizio del trofeo. La partecipazione e' gratuita.
Buona caccia !!

PERIODO DI PARTECIPAZIONE

Dal 1 Giugno al 30 Settembre 1997.

BANDE

Sono validi i qso/ascolti/attivazioni su tutte le bande radioamatoriali.

PUNTEGGIO

Ogni diversa isola italiana collegata/ascoltata/attivata varra' un punto.

CATEGORIE E PREMI

Sono disponibili 3 categorie di partecipazione: OM, SWL e ATTIVATORI.
E' possibile partecipare anche a piu' di una categoria. Non sono cumulabili i punteggi delle diverse categorie.
Per la categoria ATTIVATORI e' necessario che il partecipante sia il titolare del nominativo usato in ogni attivazione.
Saranno premiati con una targa i primi classificati di ogni categoria.
I risultati e le classifiche saranno comunicati per posta a tutti i partecipanti.

ESTRATTI LOG

Gli estratti log completi dei dati di tutti i qso/ascolti (nominativo, data, ora UTC, banda, modo, referenza IIA, nominativo del corrispondente per gli SWL) dovranno essere inviati entro il 30 Novembre 1997 al seguente indirizzo:

CRAZY DX GROUP - P.O. BOX 11 - 04011 APRILIA
oppure via e-mail a: crazy@grisnet.it
o via packet a: IK0QDB@IW0FEF.ILAZ.ITA.EU (bbs) o IK0QDB >I0OWK-6 (pcl)

Per i partecipanti alla categoria ATTIVATORI, sara' sufficiente inviare la lista delle attivazioni completa di date, nominativo usato e referenze IIA.

PREMIO SPECIALE PER I SOCI DEL CRAZY DX GROUP

Un premio speciale verra' assegnato al socio del Crazy DX Group che avra' conseguito il risultato migliore.

CRAZY DX GROUP
P.O. BOX 11
04011 Aprilia (LT)

BBS IK0QDB@I0LCJ.ILAZ.ITA.EU
PCL IK0QDB >I0OWK-6
E-mail crazy@grisnet.it
Web-site http://www.mline.peoples.it/crazy

From 4359529144184268691
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b6d58f15e22a08e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,9b6d58f15e22a08e,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: f89e1,9b6d58f15e22a08e,start
X-Google-Attributes: gidf89e1,public
X-Google-Thread: 1165a8,9b6d58f15e22a08e,start
X-Google-Attributes: gid1165a8,public
X-Google-Thread: 107ada,9b6d58f15e22a08e,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9b6d58f15e22a08e,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 115af6,9b6d58f15e22a08e,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 101046,9b6d58f15e22a08e,start
X-Google-Attributes: gid101046,public
From: fiscus@mcn.net (Vince Fiscus, KB7ADL)
Subject: Help!> Amsat still needs funds for Phase 3D satellite.
Date: 1997/05/24
Message-ID: <5m5hpo$d4_002@blpm01-252.mcn.net>#1/1
X-Deja-AN: 243485045
Followup-To: alt.radio,alt.radio.scanner,alt.satellite,aus.radio.amsat,rec.ham-radio,rec.radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.scanner,rec.radio.swap
Organization: Montana Communications Network
Keywords: amsat, satellite, P3D, space, radio, amateur, ham, p3d, donate, arrl
Reply-To: amsat-bb@amsat.org
Newsgroups: alt.radio,alt.radio.scanner,alt.satellite,aus.radio.amsat,rec.ham-radio,rec.radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.scanner,rec.radio.swap

If this were a perfect world, the Phase 3D satellite would already be in orbit, but the ESA has postponed our launch to Sept 97. This delay has caused Amsat to have a funding shortfall. If you can donate to the Phase 3D satellite project please do so. If you can donate more money, please do so. Your help will be much appreciated! 73

http://www.amsat.org

Phone: (301) 589-6062

Amsat-NA
850 Sligo Ave Suite 600
Silver Spring, MD. 20910-4703

From -1685634833074666009
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b6d58f15e22a08e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,9b6d58f15e22a08e
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 107ada,9b6d58f15e22a08e
X-Google-Attributes: gid107ada,public
X-Google-Thread: 115af6,9b6d58f15e22a08e
X-Google-Attributes: gid115af6,public
X-Google-Thread: 1165a8,9b6d58f15e22a08e
X-Google-Attributes: gid1165a8,public
X-Google-Thread: fa656,9b6d58f15e22a08e
X-Google-Attributes: gidfa656,public
X-Google-Thread: f89e1,9b6d58f15e22a08e
X-Google-Attributes: gidf89e1,public
X-Google-Thread: 101046,9b6d58f15e22a08e
X-Google-Attributes: gid101046,public
From: sco@sco-inc.com (SCO)
Subject: Re: Help!> Amsat still needs funds for Phase 3D satellite.
Date: 1997/05/24
Message-ID: <338716da.763266@news.mindspring.com>#1/1
X-Deja-AN: 243647675
References: <5m5hpo$d4_002@blpm01-252.mcn.net>
X-Server-Date: 24 May 1997 16:29:03 GMT
Organization: MindSpring Enterprises
Reply-To: sco@sco-inc.com
Newsgroups: alt.radio,alt.radio.scanner,alt.satellite,aus.radio.amsat,rec.ham-radio,rec.radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.scanner,rec.radio.swap

fiscus@mcn.net (Vince Fiscus, KB7ADL) wrote:

>If this were a perfect world, the Phase 3D satellite would already be in
>orbit, but the ESA has postponed our launch to Sept 97. This delay has caused
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>Your help will be much appreciated! 73
>

I am a member of AMSAT and never understood why a launch delay costs
us more money. Do we have to pay more for storage? If P3D is completed
why does it cost more to launch in Sept vs June?

From 5587054554544105781
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,98c5b6d365fbfb39,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa029,98c5b6d365fbfb39,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 107ada,98c5b6d365fbfb39,start
X-Google-Attributes: gid107ada,public
From: "Peter A. Forkes" <pforkes@pobox.com>
Subject: Mobile CB aerial suggestions?
Date: 1997/05/24
Message-ID: <33874237.7E89@pobox.com>#1/1
X-Deja-AN: 243659228
Organization: The Internet Access Company, Inc.
Reply-To: pforkes@pobox.com
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc

I'm looking for a CB aerial to mount on my Nissan Pathfinder. The local
installer recommends a $140 Antenna Specialist antenna.
Obviously, since the aerial is the most important part I want to get the
best, but I don't want some huge aerial sticking high up on my car.
What can you suggest?
Peter

From -4611850760560482165
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b6d58f15e22a08e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,9b6d58f15e22a08e
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 107ada,9b6d58f15e22a08e
X-Google-Attributes: gid107ada,public
X-Google-Thread: 115af6,9b6d58f15e22a08e
X-Google-Attributes: gid115af6,public
X-Google-Thread: 1165a8,9b6d58f15e22a08e

X-Google-Attributes: gid1165a8,public
X-Google-Thread: 101046,9b6d58f15e22a08e
X-Google-Attributes: gid101046,public
X-Google-Thread: f89e1,9b6d58f15e22a08e
X-Google-Attributes: gidf89e1,public
X-Google-Thread: fa656,9b6d58f15e22a08e
X-Google-Attributes: gidfa656,public
From: Tom@astro.net
Subject: Re: Help!> Amsat still needs funds for Phase 3D satellite.
Date: 1997/05/24
Message-ID: <5m78rp$rso$1@news.mhv.net>#1/1
X-Deja-AN: 243662321
References: <5m5hpo$d4_002@blpm01-252.mcn.net>
<338716da.763266@news.mindspring.com>
X-Server-Date: 24 May 1997 17:34:49 GMT
Organization: MHVNet
Newsgroups: alt.radio,alt.radio.scanner,alt.satellite,aus.radio.amsat,rec.ham-radio,rec.radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.scanner,rec.radio.swap

In article <338716da.763266@news.mindspring.com>, sco@sco-inc.com wrote:
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>>
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>us more money. Do we have to pay more for storage? If P3D is completed
>why does it cost more to launch in Sept vs June?

Maybe because they tinker with it until launch time? Find last minute changes? As always, EVERYONE wants MORE money. Like we have a tree full of it in the backyard....

Tom

E-mail me at the address below, not with the above address.
That address is to help stop junk e-mail!

Tom Randall   Amateur Radio - KB2SMS
trandall@mhv.net   Mt. Beacon Amateur Radio Club /ARRL/10-10
Member: AAVSO Solar Division

My Astronomy/Ham radio web site:
http://www1.mhv.net/~trandall/welcome.html

Opinions herein are mine and may not be that of MHV.NET!

From 8446291464764464197
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
X-Google-Thread: 108122,98c5b6d365fbfb39
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,98c5b6d365fbfb39
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
From: "William Lee" <willee@inwave.com>
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/25
Message-ID: <01bc6901$989ad920$bdee65ce@william-lee>#1/1
X-Deja-AN: 243787964
References: <33874237.7E89@pobox.com>
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc

Peter A. Forkes <pforkes@pobox.com> wrote in article
<33874237.7E89@pobox.com>...
> I'm looking for a CB aerial to mount on my Nissan Pathfinder. The local
> installer recommends a $140 Antenna Specialist antenna.
> Obviously, since the aerial is the most important part I want to get the
> best, but I don't want some huge aerial sticking high up on my car.
> What can you suggest?
> Peter
>
>

Well Peter, you have a real dilemma on your hands. The best mobile antenna for CB would be a 9 foot whip mounted on the roof. Anything else is a compromise. Some people mount this stainless steel whip on their back bumper to reduce the overall highth. The Wilson K-40 antenna is a good choice as it is shorter but still very effective. Of course you can use a shorter antenna and a small (25-50W) R.F. amplifier to make up for the loss of transmit range. Do not go overboard on the amp as you can not talk to someone you cannot hear. Good luck in your quest for the ultimate signal from your mobile. Let us know what you come up with as we mobilers are always looking for a better antenna.

William Lee

From 7959900151995428811
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
From: Ernie Stedman <estedman@radia1.com>
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/25
Message-ID: <33882F4B.4914@radia1.com>#1/1
X-Deja-AN: 243794088
References: <33874237.7E89@pobox.com> <01bc6901$989ad920$bdee65ce@william-lee>
Organization: All USENET -- http://www.Supernews.com
Reply-To: estedman@radia1.com
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner

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>
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> >
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> choice as it is shorter but still very effective. Of course you can use a
> shorter antenna and a small (25-50W) R.F. amplifier to make up for the
loss<<snip>>
>
> William Lee
Wouldn't that be illegal?

From -646477643720262530
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,98c5b6d365fbfb39
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,98c5b6d365fbfb39
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa029,98c5b6d365fbfb39

X-Google-Attributes: gidfa029,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
From: "David Buren" <dburen@top.monad.net>
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/25
Message-ID: <5m9des$sn1@news.monad.net>#1/1
X-Deja-AN: 243800931
References: <33874237.7E89@pobox.com>
X-MimeOle: Produced By Microsoft MimeOLE Engine V4.71.0544.0
Organization: W1DB
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc

Keep in mind that the longer the antenna (up to quarter wave), the better
it radiates. Those small heavily loaded jobs are pretty good dummy loads.
The stainless whip is the cheapest and usually best. $140 seems pretty
pricey. Gud luck. 73's W1DB
 Peter A. Forkes wrote in article <33874237.7E89@pobox.com>...
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From 2086696259133099378
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b6d58f15e22a08e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,9b6d58f15e22a08e
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,9b6d58f15e22a08e
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1009ad,9b6d58f15e22a08e
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 1165a8,9b6d58f15e22a08e
X-Google-Attributes: gid1165a8,public
X-Google-Thread: f89e1,9b6d58f15e22a08e
X-Google-Attributes: gidf89e1,public
X-Google-Thread: 115af6,9b6d58f15e22a08e
X-Google-Attributes: gid115af6,public
X-Google-Thread: 101046,9b6d58f15e22a08e
X-Google-Attributes: gid101046,public
From: "Paul Titze VK2THN [HACK.AU.]" <ptitze@astron.physics.usyd.edu.au>
Subject: Re: Help!> Amsat still needs funds for Phase 3D satellite.

Date: 1997/05/25
Message-ID: <33883260.19CF@astron.physics.usyd.edu.au>#1/1
X-Deja-AN: 243809152
Distribution: inet
References: <5m5hpo$d4_002@blpm01-252.mcn.net>
<338716da.763266@news.mindspring.com> <5m78rp$rso$1@news.mhv.net>
Organization: Sydney University
Reply-To: ptitze@astron.physics.usyd.edu.au
Newsgroups: alt.radio,alt.radio.scanner,alt.satellite,aus.radio.amsat,rec.ham-radio,rec.radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.scanner,rec.radio.swap

Tom@astro.net wrote:
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>
> Maybe because they tinker with it until launch time? Find last minute
> changes? As always, EVERYONE wants MORE money. Like we have a tree full of it
> in the backyard....
>
> Tom

What are you guys complaining about? If we have more time till the launch date
then we should take that opportunity to make the sat more efficient, robust and
test it till it is flawless. More work = more money. If we can't get more money
then I guess we could always store it in a ham's garage for free till the launch.
Does it matter if AMSAT is broke? Amateurs have always managed to build things on
a flee's budjet, good on them :)

Paul, VK2THN.

==
Email   : ptitze@astron.physics.usyd.edu.au
Website   : http://www.physics.usyd.edu.au/~ptitze
Cyberspace: http://www.physics.usyd.edu.au/~ptitze/vrml/vk2thn.wrl
==

From -1170611162653281002

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c5b6d365fbfb39
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,98c5b6d365fbfb39
X-Google-Attributes: gid108122,public
X-Google-Thread: fa029,98c5b6d365fbfb39
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1009ad,98c5b6d365fbfb39
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 107ada,98c5b6d365fbfb39
X-Google-Attributes: gid107ada,public
From: sco@sco-inc.com (SCO)
Subject: Re: Mobile CB aerial suggestions?
Date: 1997/05/25
Message-ID: <33887072.4553664@news.mindspring.com>#1/1
X-Deja-AN: 243839839
References: <33874237.7E89@pobox.com> <01bc6901$989ad920$bdee65ce@william-lee>
X-Server-Date: 25 May 1997 17:01:59 GMT
Organization: MindSpring Enterprises
Reply-To: sco@sco-inc.com
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc

"William Lee" <willee@inwave.com> wrote:

>
>
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><33874237.7E89@pobox.com>...
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>> Obviously, since the aerial is the most important part I want to get the
>> best, but I don't want some huge aerial sticking high up on my car.
>> What can you suggest?
>> Peter
>>
>>
>Well Peter, you have a real dilemma on your hands. The best mobile antenna
>for CB would be a 9 foot whip mounted on the roof. Anything else is a
>compromise. Some people mount this stainless steel whip on their back
>bumper to reduce the overall highth. The Wilson K-40 antenna is a good
>choice as it is shorter but still very effective. Of course you can use a
>shorter antenna and a small (25-50W) R.F. amplifier to make up for the loss
>of transmit range.

You can't legally use any amp on the CB band. Anything over 5 w is not legal.

>William Lee

From 2920661607736894751
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64258c5fe442dd2f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,64258c5fe442dd2f,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108122,64258c5fe442dd2f,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc2a5,64258c5fe442dd2f,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 1031c8,64258c5fe442dd2f,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,64258c5fe442dd2f,start
X-Google-Attributes: gidf76e2,public
From: "Ron, N7TAW" <ronh@chatlink.com>
Subject: pse help ID GE mobile
Date: 1997/05/25
Message-ID: <33884F9F.7F53@chatlink.com>#1/1
X-Deja-AN: 243842291
Organization: Expose-Net
Newsgroups: rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.swap,rec.radio.swap,rec.ham-radio

I need help finding a schematic for two old GE mobiles (currently used as local repeaters), especially the wiring for the control head as the controllers are about to be replaced, and the wiring of the old ones us a mess.

the numbers listed on the ID plaques are:

RG56TFS66, or N.P. 243349

and

YG56KJJ66, or N.P. 243349

They appear to be the same radios with different options.

Thanks to all,

Ron, N7TAW

From -741294889315231970
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public

X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: jwkelley@e4e.oac.uci.edu (James W. KELLEY)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/16
Message-ID: <5li4n4$666@news.service.uci.edu>#1/1
X-Deja-AN: 241950663
References: <33236044.339E@kerrlake.com> <01bc5956$e2ad50c0$783b8080@cbx-nt>
<33716880.1E <01bc6217$33db2120$e690f5ce@wa6vse.fast.net>
Organization: University of California, Irvine
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <01bc6217$33db2120$e690f5ce@wa6vse.fast.net>,
Carl R. Stevenson <wa6vse@fast.net> wrote:

>Please also comment on the conversion strategy ...
>Carl - wa6vse
>wa6vse@fast.net

Power limits in accordance with license class are a good thing (as long as there aren't more than two power limits);

Some HF access for all license classes is a good thing;

Maintaining some aspect of code proficiency somewhere in the system is also a good thing; either at the very top for high speed or at the very bottom on a written exam.

But retesting every 5 or 10 years is an extrordinarily bad idea. I upgraded in order to be done with testing. I know what I need to know, from practice. I learn what I need to learn in practice. I don't mind filling out a questionaire about new rules at renewal time, but I intend to be done with VE sessions - unless of course I am the VE.

You also made the comment that the written exams are very easy. Do you not find being a ham radio operator to be likewise? The exam should scale to some extent to the activity - wouldn't you agree?

73,

Jim AC6XG

From 3517347430415607307
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd

X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/16
Message-ID: <01bc6217$33db2120$e690f5ce@wa6vse.fast.net>
X-Deja-AN: 241961571
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee> <3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net> <5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com> <5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com> <336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-ixn10.ix.netcom.com> <336CF780.15C5@delphi.com> <01bc58eb$33bfd4e0$74029ace@graham.surfsouth.com> <01bc5956$e2ad50c0$783b8080@cbx-nt> <33716880.1E6F@delphi.com> <5lgqaq$5rp@redstone.interpath.net>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Curt Phillips <cphillips@pobox.com> wrote in article <5lgqaq$5rp@redstone.interpath.net>...
[snipped Curt's explaination of past opposition and subsequent change of heart with respect to no-code license]

> I have several friends who are highly skilled engineers in electronics, and they always said the code was preventing them from getting a license. And, as soon as the code requirement was dropped, they got their license. I'd certainly say that ham radio is better off for them being licensed.
>
> During the aftermath of Hurricane Fran, I worked in several emergency operations side-by-side with "no-code" Techs. They did a great job, and we needed them. So again, ham radio is better for their being hams... code or not.
>
> Because of the International requirement, I'm not sure totally eliminating the code would be appropriate, but I'd advocate 5 wpm General. They would "know the code" to meet the International requirement, but 5 wpm is little more that just having memorized the code. If the International requirement was dropped, I'd be for a no-code General.

Why *just* "general" ??? Why not "extra" ??? (bear in mind that there are proposals about that would reduce our licensing structure to 2 classes "entry-level" and "standard" (names are not important and subject to change)

> Put Advanced at 10 wpm... General has HF privileges, so to get extra frequencies a knowledge of code wouldn't be out of place.

Since I intended to ask the question before I read ahead, I'll go ahead and ask it anyway in the interest of understanding your feelings and thoughts ... Why do you feel that a code test is relevant and appropriate ("so to get extra frequencies a knowledge of code wouldn't be out of place")

as a means of "earning" TOTALLY UNRELATED priveleges??? I have
never been able to see, nor have I heard, a rational explaination that
really
justifies this ... all I've ever seen/heard were emotional arguments based
on things like "traditon" that have no place in government licensing
schemes.

> However, in the interest of reducing the number of license classes,
> I wouldn't even mind them eliminating the Advanced Class license, and
> adding those freqs to the General privileges.

OK ...

> For Extra, leave it a 20 wpm.

Why? What legitimate government purpose would be served?
(that's ALL that is valid as a criteria for government licensing)

> You can have a lot of fun and do a lot
> of HF operating without the Extra Class freqs (as I did for 25 years),

True, but neither is that a compelling reason for maintaining the status
quo ...

> Extra would just be a reward for extra technical knowledge and supporting
> ham radio tradition. I wouldn't even care if the Extra class band
segments
> were shrunk a little.

Proposals currently afoot contemplate combining advanced and extra theory
into the "standard" (arbitrary name) license class (5 wpm code test until
ITU
treaty requirements go away, no proposed ban on use of code, of course).

Besides, licensing is NOT about "rewards" .... even for "extra technical
knowledge" ... it's only about assuring necessary levels of competency
for the activities that the license permits (or conversely that the lack of
such
license prohibits or restricts ...)

>   Maybe a license structure like:
>
>   Tech   (for operations above 30MHz); no code
>   General (Tech with HF freqs); no code or slow code (5 wpm)
>   Extra (mostly an honorary license class, with 20 wpm retained)
>
>
>   HOWEVER, IMHO the technical tests should be increased in difficultly,

The 2 class proposal afoot contemplates the "entry-level" license as having
a technical test that's *at least* the equal of the full general theory
(current
no-code techs may have, but have not IMHO been tested for sufficient

technical knowledge to justify some of their privs ... like 1500W output at frequencies that can cook flesh and fog corneas) This "entry-level" class would have a power limit in the 50-250 W range, possibly 250 on HF and 50 at the higher freqs where physiological concerns of exposure are greater.

> and
> the publishing of the question pool should stop. It's just too easy
> to memorize the answers now.

It's unclear if the FOI and other government legal concerns would permit this, but there are ways to address this ... expanding the pool to a size that precludes memorization and randomizing variables via computer generated tests for each session (or even each individual) seem feasible ...

>   After one night of reviewing the manual, and I passed Extra theory and
> missed only one question (and I had somehow missed reading the
> page it was on). I'm an engineer, but an ME not a EE, and even though
> I'd been a ham for 25 years, it should have been more difficult than that.

I would agree that the technical tests are absurdly easy ... and should be more comprehensive ...

>   In technical tests, one of the things that makes you learn the material
> more thoroughly is the fact that you don't know how the test maker will
> try to "trip you up." However, with the amateur tests you DO know
> exactly how the questions will be framed. So you can create
> arbitrary "rules of thumb" that will work for the test, but not for
> all of the circumstances in real life. Not good.
>   And I'd definitely be in favor of more questions on digital modes.
>
>   So there, I've added a little fuel to keep the debate churning
> for a while longer. :-)

I have not differences with any of the above quote ...
please comment on your thoughts relative to what I've said about the 2 class proposal that's afoot ...

BWT ... the idea for conversion strategy that I've proposed is to grandfather all current licensees at their current priveleges in terms of power output for 5 years or until their next renewal, whichever is longer ... at renewal, they would take a test, if necessary to convert to the desired new class ...

for example
no-code techs would take a 5 wpm test and the "upgrade" written to convert ... (since the "E-L" written is more rigorous than the no-code tech written they already passed) ... generals would convert to "E-L" with no test required, but would be subject to the power limits and would gain frequencies, since there are

no class-based sub-bands under the new plan.

Advanceds would have to take an "upgrade" test to achieve "standard" class with full-power privs, ability to be a VE, etc.

Existing extras would automatically be "standards."

When the ITU requirements for Morse testing go away, none of the classes would require even the 5 wpm Morse test.

This begs the question of the continuation of a no-code class with VHF and up privs until that time, with the same written as the "E-L" but no HF privs ... this seems fair and reasonable, since such a class exists today ... when the code test requirements go away, the no-coders would automaticallty convert to "E-Ls" and gain HF privs (based on having passed the "E-L" written exam.

Please also comment on the conversion strategy ...

Carl - wa6vse
wa6vse@fast.net

From 1710230506347161144
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Ed Hare, W1RFI" <ehare@arrl.org>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/16
Message-ID: <5lhnq9$kqh@mgate.arrl.org>#1/1
X-Deja-AN: 241975364
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
<5kv5vb$qbc@sjx-ixn7.ix.netcom.com> <337362E0.2F6B@ccm.ch.intel.com>
<5l2c8p$is0$1@nnrp01.primenet.com> <3375E8E0.5F5A@delphi.com>
<01bc5e32$d62117c0$5c9cf5ce@wa6vse.fast.net>
Organization: American Radio Relay League, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

>> Are you truly advocating treating CW like spark and outlawing it?

>No, Cecil, I don't believe he his ... I have yet to see a no-code-test
>advocate who wanted to outright ban the use of Morse ... that's a
>red herring that the pro-coders throw up once in a while ... nothing
>more ...

The only place I recall seeing the red herring is in your posts. I don't
recall any of the "pro-code" posts that really believed that the
anti-code-test folks are seeking to outlaw Morse Code.

Hmmm. . . :-)

73,
Ed Hare, W1RFI

From -1086977342286344483
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Graham" <not@public.com>
Subject: Re: Future enforcement issues ... (was part of code/no-code)
Date: 1997/05/16
Message-ID: <01bc6238$609fb060$76029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 242049442
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<3378b6d6.743838@news.mindspring.com> <3379123e.19068257@netnews.worldnet.att.net>
<01bc6063$55b6bf80$9895f5ce@wa6vse.fast.net> <3379E946.929@ccm.ch.intel.com>
<01bc60b1$8aa0c080$49029ace@graham.surfsouth.com>
<01bc6120$023affc0$6790f5ce@wa6vse.fast.net>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

> Regardless of code/no-code, technical issues, or anything else, one thing
> that the ham community also needs to come to grips with is developing
> some sort of way to actually see that the rules are enforced and that the
> sociopaths that do slip through the licensing process are eliminated ...
>
> Carl - wa6vse
> wa6vse@fast.net
>

Right on the nose! I'll be willing to help this issue any way I can. We agree on something! Kinda scary! Just kidding, but we (all hams) do need to come to some common ground on how to resolve these issues. The ARRL and FCC are not going to do it. Its ultimately up to us. See! I'm not such a bad guy!

K4XA
Graham

From 940869434824177560
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Graham" <not@public.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/16
Message-ID: <01bc6233$8a5df9c0$76029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 242049444
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <01bc6012$9edea340$68029ace@graham.surfsouth.com>
<01bc6063$de2ab1a0$9895f5ce@wa6vse.fast.net>
<01bc60ad$75438820$49029ace@graham.surfsouth.com>
<01bc6121$0bc4e780$6790f5ce@wa6vse.fast.net>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Carl R. Stevenson <wa6vse@fast.net> wrote in article
<01bc6121$0bc4e780$6790f5ce@wa6vse.fast.net>...
>> Your assertion that there is no discrimination WRT code and that
> my assertion that there is is "asinine" is akin to a white plantation
> owner of old asserting that his slaves "are quite content with their
> lot in life, are treated well, and wouldn't know what to do or how to
> take care of themselves were it not for his (their master's) magnificent
> generosity and benevolence in seeing that they were cared for, fed,
> and had the means to earn their keep."
>
> Seems your application for credit on your lease has been denied ...
> (sorry, not clue for rent to you)
>
> Carl - wa6vse

> wa6vse@fast.net

Carl, Carl, Carl. You better drop this one. I even embarrassed FOR you.

K4XA
Graham

From -6620907589821858301
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Graham" <not@public.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/16
Message-ID: <01bc6233$1d2eed00$76029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 242049480
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kgon1$sge$1@nnrp01.primenet.com>
<01bc58c6$b8925d20$66029ace@graham.surfsouth.com>
<33740d4f.26583817@netnews.worldnet.att.net> <33761AB1.410C@rida.net>
<337663f2.29448272@news.atl.bellsouth.net> <33792BB8.6953@rollanet.nospam.org>
<01bc6078$0a1dd300$9895f5ce@wa6vse.fast.net>
<01bc60ac$edecece0$49029ace@graham.surfsouth.com> <5leo20$71d@jupiter.planet.net>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

Bill Sohl <billsohl@planet.net> wrote in article
<5leo20$71d@jupiter.planet.net>...
>> >And why is it that we can't "adopt new technologies" and still have a
code
> >test?
>
> Because there's no reason to retain the code test anymore.
>
> Bill Sohl K2UNK

So, if we follow you logic (or lack of it), because you think we don't need the code test any longer, we can't advance technologically until the test is gone. See, thats not an answer to the question. Thats just a "yes it is - no it is not" response. I'm trying to understand your side of the argument, but no one will answer me.

K4XA

Graham

From -1568883016349984685
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108228,884fab06a50fa7ee,start
X-Google-Attributes: gid108228,public
X-Google-Thread: 10c9e3,884fab06a50fa7ee,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1012c0,884fab06a50fa7ee,start
X-Google-Attributes: gid1012c0,public
X-Google-Thread: fddbf,884fab06a50fa7ee,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f7810,884fab06a50fa7ee,start
X-Google-Attributes: gidf7810,public
X-Google-Thread: fb049,884fab06a50fa7ee,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 114a57,884fab06a50fa7ee,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: f4306,884fab06a50fa7ee,start
X-Google-Attributes: gidf4306,public
From: "Arnaud" <rfgroup@mygale.org>
Subject: Radio Friendship is a French Radio Dx Group ! ! !
Date: 1997/05/16
Message-ID: <01bc6167$2ad10b40$0100007f@asuze>#1/1
X-Deja-AN: 242682161
Followup-To: alt.ham-radio.am,alt.ham-radio.dxing,alt.ham-radio.hf,alt.ham-radio.marketplace,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.cb,su.org.ham-radio
Keywords: Radio Friendship is a French Radio Dx Group ! ! !
Reply-To: rfgroup@mygale.org
Newsgroups: alt.ham-radio.am,alt.ham-radio.dxing,alt.ham-radio.hf,alt.ham-radio.marketplace,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.cb,su.org.ham-radio

Hello,

The Radio Friendship is a French Radio Dxing Group, the site is now in French and in English. Please come and visit (http://www.mygale.org/10/rfgroup) it ! !
If you add a site on Radio, or Electronique, write an e-mail to Rfgroup@mygale.org for add your URL on this site.

```
       /    /    /
      /-----------/-----------/
     /    /I   /
          I
          I   Radio Friendship
          I   http://www.mygale.org/10/rfgroup
          I   rfgroup@mygale.rog
```

I

From 5178454060958253355
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: billsohl@planet.net (Bill Sohl)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/16
Message-ID: <5li437$lp8@jupiter.planet.net>#1/1
X-Deja-AN: 242846087
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee> <3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net> <5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com> <5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com> <336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-ixn10.ix.netcom.com> <336CF780.15C5@delphi.com> <01bc58eb$33bfd4e0$74029ace@graham.surfsouth.com> <01bc5956$e2ad50c0$783b8080@cbx-nt> <33716880.1E6F@delphi.com> <5lgqaq$5rp@redstone.interpath.net>
Organization: BL Enterprises
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

cphillips@pobox.com (Curt Phillips) wrote:
> I have several friends who are highly skilled engineers in electronics,
>and they always said the code was preventing them from getting a license.
>And, as soon as the code requirement was dropped, they got their license.
>I'd certainly say that ham radio is better off for them being licensed.

> During the aftermath of Hurricane Fran, I worked in several
>emergency operations side-by-side with "no-code" Techs. They did
>a great job, and we needed them. So again, ham radio is better for
>their being hams... code or not.

> Because of the International requirement, I'm not sure totally
>eliminating the code would be appropriate, but I'd advocate 5 wpm
>General. They would "know the code" to meet the International requirement,
>but 5 wpm is little more that just having memorized the code.

But it does totally satisfy the international requirement.

>If the
>International requirement was dropped, I'd be for a no-code General.

Me too.

> Put Advanced at 10 wpm... General has HF privileges, so to get
>extra frequencies a knowledge of code wouldn't be out of place.

Sure it is since most all of the added frequency privaledges
are phone subbands for the advanced. See more below.

>However, in the interest of reducing the number of license classes,
>I wouldn't even mind them eliminating the Advanced Class license, and
>adding those freqs to the General privileges.

That's not an unreasonable viewpoint either.

> For Extra, leave it a 20 wpm. You can have a lot of fun and do a lot
>of HF operating without the Extra Class freqs (as I did for 25 years), so
>Extra would just be a reward for extra technical knowledge and supporting
>ham radio tradition. I wouldn't even care if the Extra class band segments
>were shrunk a little.

> Maybe a license structure like:

> Tech   (for operations above 30MHz); no code
> General (Tech with HF freqs); no code or slow code (5 wpm)
> Extra (mostly an honorary license class, with 20 wpm retained)

Actually, I see no reason to tie 20wpm to additional frequencies
that are phone. I'd suggest having an Extra (non-code) and an extra
with code (20wpm or whatever anyone wants it to be). Set aside
the lower 50KHz of 80, 40, 20, 15 and 10m as Extra class with
the first 25KHz reserved for Extra+ as CW only.

> HOWEVER, IMHO the technical tests should be increased in difficultly, and
>the publishing of the question pool should stop. It's just too easy
>to memorize the answers now.

Did you know the following:
As was reported in the W5YI Report of 12/15/96,
the NOVICE and TECHNICIAN question pools
have increased by 46%. The prior set of
questions comprised a total pool of 632 questions,
while the new pool of questions is now 924.
The Novice pool has increased 41% from a total
of 342 questions to 483. The Technician pool has
increased 52% from 290 to 441.

Now I don't know anyone that can just spend
a weekend or even longer to exactly
memorize 440 questions, much less the
over 900 just to pass the Novice/Technician
set of theory elements.

What some may not have known (and I include myself
in that) is that there is no upper limit to the quantity
of questions that can be in the pool. There is
only a part 97 minimum (97.523) that requires
"Each question pool must be at least 10 times the

number of questions required for a single
examination."

Given that no upper bound exists for question pools,
I'd like to sugest that each question that deals with
a formula calculation have at least 20 iterations
where each iteration uses a different set of variables.
That should truly eliminate any rote memorization of
the questions involving formula calculations.

As the question pools for General, Advanced and Extra
come due for revision, a similar increase in the size
of the question pools is expected.

> So there, I've added a little fuel to keep the debate churning
>for a while longer. :-)

I welcome your positive contribution.

Note - rec.radio.amateur.misc deleted from crossposting
as inappropriate.

Cheers,

Bill Sohl K2UNK
ARRL Local Gov't Liaison, Mt. Olive Township, NJ
Visit the No-Code WEB site: http://www.nocode.org

From 3445191651895768955
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Cecil Moore <cecil_a_moore@ccm.ch.intel.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/16
Message-ID: <337C9771.70D5@ccm.ch.intel.com>#1/1
X-Deja-AN: 242852972
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-ixn10.ix.netcom.com> <336CF780.15C5@delphi.com>
<01bc58eb$33bfd4e0$74029ace@graham.surfsouth.com> <01bc5956$e2ad50c0$783b8080@cbx-nt> <33716880.1E6F@delphi.com> <5lgqaq$5rp@redstone.interpath.net>
<01bc6217$33db2120$e690f5ce@wa6vse.fast.net>

Organization: Intel Corp.
Reply-To: cecil_a_moore@ccm.ch.intel.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Carl R. Stevenson wrote:
> "entry-level" and "standard" (names are not important and subject to
> change)

In that case, let's name them the "slave" and the "master" licenses. :-)

73, Cecil, W6RCA, OOTC

From 4699616789666201966
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Graham" <not@public.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/16
Message-ID: <01bc6236$6f86ea00$76029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 242866213
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<01bc5d6c$c3b80740$e390f5ce@wa6vse.fast.net>
<01bc6013$bae75860$68029ace@graham.surfsouth.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com>
<01bc6124$c7d25ae0$6790f5ce@wa6vse.fast.net>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Carl R. Stevenson <wa6vse@fast.net> wrote in article
<01bc6124$c7d25ae0$6790f5ce@wa6vse.fast.net>...
> OK, I'll take this slow and easy for ya ...
>
> First, you can't use what doesn't exist.

I'll give you that one.

>
> 2nd, to develop what doesn't exist you need people who know HOW to

> develop what doesn't exist (and even to recognize what's needed).
>

Still sounds good.

> 3rd, the people refered to in (2) are kept out of ham radio in large
> numbers by the antiquated, distasteful, Morse hazing ritual that many
coded hams
> insist must be maintained at all costs ...
>

So, these people have to be hams to do this wonderful design work. And its keeping them out because.............................they don't want to take the code test? They can't "do" the code? What? This I need an answer to. (Yes, a REAL answer)

> 4th, this policy of technological stagnation has already harmed ham radio
> seriously and, in fact, threatens our future survival as a viable FCC
radio
> service in the coming century because it has resulted in our service NOT
> MEETING the vast majority of its' regulatory raisons d'etre.

As an example, we have not met.............what? Please help me out on this one.
(don't be a weenie, I really want to know)

 >(if we don't "get a move on" the FCC will likely decide that we're not
worth the
> spectral investment they've made, take our bands back, and auction them
off to
> someone who will make FAR better public interest use of them.)
>

I'll buy that part.

> This concludes the *real* answer ... at least the short-form version of
it
> ..
> you're welcome.
>
> I sincerely hope that you will consider these comments in a thoughtful
> manner, perferably in the light of reality, outside of the well, at high
> noon, and without the welder's goggles ...
>
Now see? Can't you just give an answer without doing this? I have really TRIED to stop the smart assed comments because I have become genuinely interested in "your" side of the argument. If I didn't WANT to know, I wouldn't ASK. At least I'm trying to get enough info to make an intelligent decision. I was an asshole about it at first, but now I really want to know.

> Carl - wa6vse

> wa6vse@fast.net
>
>

From -9006692343389704518
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Graham" <not@public.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/16
Message-ID: <01bc6237$873d5c00$76029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 242866215
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <01bc6012$9edea340$68029ace@graham.surfsouth.com>
<3379E739.5BB2@ccm.ch.intel.com> <01bc60b0$a11a57a0$49029ace@graham.surfsouth.com>
<337B3FCF.3203@ccm.ch.intel.com>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Cecil Moore <cecil_a_moore@ccm.ch.intel.com> wrote in article
<337B3FCF.3203@ccm.ch.intel.com>...
> Graham wrote:
> > So once again you have demonstrated your inability to use simple logic.
>
> Seems you missed the point. I didn't write that. The president and board
> members of the Radio Amateurs of Canada, Inc. wrote that.

I know you did not WRITE it, but you do BELIEVE it. And the logic WAS
flawed.

> And for your information, I make my living designing logic, sometimes
simple, but
> often quite complex. I hold patents in the field of logic design.

Sounds pretty cool!

>How 'bout we replace the code test with a boolean algebra test. How would
you >do?
>

I would do very well actually. I have a few degrees myself sport! Just don't replace it with a world literature test. I hated that class!

K4XA
Graham

From -2249469464868166707
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/17
Message-ID: <01bc6265$e000d0a0$189cf5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 242016571
References: <33236044.339E@kerrlake.com> <01bc5956$e2ad50c0$783b8080@cbx-nt>
<33716880.1E <01bc6217$33db2120$e690f5ce@wa6vse.fast.net>
<5li4n4$666@news.service.uci.edu>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

James W. KELLEY <jwkelley@e4e.oac.uci.edu> wrote in article
<5li4n4$666@news.service.uci.edu>...
> In article <01bc6217$33db2120$e690f5ce@wa6vse.fast.net>,
> Carl R. Stevenson <wa6vse@fast.net> wrote:
>
> >Please also comment on the conversion strategy ...
> >Carl - wa6vse
> >wa6vse@fast.net
>
> Power limits in accordance with license class are a good thing (as long
> as there aren't more than two power limits);

Only 2 classes, only 2 power limits ... "entry-level" (say 50-250 ???)
and "standard" (up to 1500 WPEP)

> Some HF access for all license classes is a good thing;

The idea is FULL HF access all bands, all modes for both
classes (power limit is the difference, since it's justifiable ...
sub-band ghettos are arbitrary and "balkanize" our community)

> Maintaining some aspect of code proficiency somewhere in the system is
> also a good thing; either at the very top for high speed or at the very
> bottom on a written exam.

5 wpm until ITU treaty changes for HF access, then Morse is
COMPLETELY voluntary and optional ... no ban on use, though.

> But retesting every 5 or 10 years is an extrordinarily bad idea. I
> upgraded in order to be done with testing. I know what I need to know,
> from practice. I learn what I need to learn in practice.

Sorry ... I can't agree here ... maybe you do, but FAR too many have
not learned what they need to know, either initially, or by stagnating
40 years ago and leaning nothing since ... I firmly believe that some
retesting for technical currency is important to maintain our standards
of technical competence ... don't blow off the whole proposal on this
single issue ... I'm clearly not the sole decision-maker here, but I will
fight for retesting ...

> I don't mind
> filling out a questionaire about new rules at renewal time, but I intend
> to be done with VE sessions - unless of course I am the VE.

The retest does not necessarily have to be a full-blown test like one
would take to be licensed initially ... it could be a "spot check" on
new technology of the past 10 years ... I'm just looking for something
to preclude fossilization in place ...

> You also made the comment that the written exams are very easy. Do you
> not find being a ham radio operator to be likewise? The exam should
> scale to some extent to the activity - wouldn't you agree?

Being an amateur carries certain responsibilities and obligations which require
a certain level of technical knowledge and skill ... everyone does not need to
be an EE, but they should at least be reasonable lower-level technician material.
The present exams do not assure that minimal necessary level of knowledge and
skill, as witnessed by the know-nothings in our ranks ... some of whom are
extras and haven't a clue, even about such basic things as Ohm's Law and how
to cut a diplole to resonance ... we cannot permit that sort of thing to continue.

Carl - wa6vse
wa6vse@ais.net

From 8097261571118609091
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd

X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/17
Message-ID: <01bc6275$f475fc80$189cf5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 242027765
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-ixn10.ix.netcom.com> <336CF780.15C5@delphi.com>
<01bc58eb$33bfd4e0$74029ace@graham.surfsouth.com> <01bc5956$e2ad50c0$783b8080@cbx-nt> <33716880.1E6F@delphi.com> <5lgqaq$5rp@redstone.interpath.net>
<5li437$lp8@jupiter.planet.net>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

Bill Sohl <billsohl@planet.net> wrote in article
<5li437$lp8@jupiter.planet.net>...
> Actually, I see no reason to tie 20wpm to additional frequencies
> that are phone. I'd suggest having an Extra (non-code) and an extra
> with code (20wpm or whatever anyone wants it to be). Set aside
> the lower 50KHz of 80, 40, 20, 15 and 10m as Extra class with
> the first 25KHz reserved for Extra+ as CW only.

We're talking about only 2 classes, both of which have only a 5 wpm
Morse test and that ONLY until the ITU treaty drops a code test
requirement ... the Archaic Retro Radio Luddites or the Fanatical
Idiots Supporting Technological Stagnation are free to offer voluntary
Morse speed "Brag Rag" certificates to anyone who wishes to jump
through whatever non-governmental hoops they choose to establish.

Carl - wa6vse
wa6vse@fast.net

From -3940358543288036224
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/17
Message-ID: <01bc62df$ccd87c60$9a95f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 242102650

References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <01bc6012$9edea340$68029ace@graham.surfsouth.com>
<3379E739.5BB2@ccm.ch.intel.com> <01bc60b0$a11a57a0$49029ace@graham.surfsouth.com>
<337B3FCF.3203@ccm.ch.intel.com> <01bc6237$873d5c00$76029ace@graham.surfsouth.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Graham <not@public.com> wrote in article
<01bc6237$873d5c00$76029ace@graham.surfsouth.com>...
> Cecil Moore <cecil_a_moore@ccm.ch.intel.com> wrote in article
>
> >How 'bout we replace the code test with a boolean algebra test. How
would
> you >do?
> >
>
> I would do very well actually. I have a few degrees myself sport! Just
> don't replace it with a world literature test. I hated that class!
>
> K4XA
> Graham

I vote that we replace the code test with a world literature test ... that
way Graham may begin to comprehend the absurdity, irrelevance, and
stupidity of Morse testing ..

Carl - wa6vse
wa6vse@fast.net

From -2007576768669977103
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Cecil Moore <cecil_a_moore@ccm.ch.intel.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/17
Message-ID: <337DFFF3.5703@ccm.ch.intel.com>#1/1
X-Deja-AN: 242123494
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>

<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <01bc6012$9edea340$68029ace@graham.surfsouth.com>
<3379E739.5BB2@ccm.ch.intel.com> <01bc60b0$a11a57a0$49029ace@graham.surfsouth.com>
<337B3FCF.3203@ccm.ch.intel.com> <01bc6237$873d5c00$76029ace@graham.surfsouth.com>
<01bc62df$ccd87c60$9a95f5ce@wa6vse.fast.net>
Organization: Intel Corp.
Reply-To: cecil_a_moore@ccm.ch.intel.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Carl R. Stevenson wrote:
> I vote that we replace the code test with a world literature test ... that
> way Graham may begin to comprehend the absurdity, irrelevance, and
> stupidity of Morse testing ..

But if he really understood and took the time to get into world literature
he would come to love it (and then try to force it on everybody else). :-)

73, Cecil, W6RCA, OOTC

From 7104952576903493701
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/17
Message-ID: <01bc62fc$b010c160$9a95f5ce@wa6vse.fast.net>
X-Deja-AN: 242128321
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<01bc5d6c$c3b80740$e390f5ce@wa6vse.fast.net>
<01bc6013$bae75860$68029ace@graham.surfsouth.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com>
<01bc6124$c7d25ae0$6790f5ce@wa6vse.fast.net>
<01bc6236$6f86ea00$76029ace@graham.surfsouth.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

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>
>

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> >
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> I'll give you that one.
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> > develop what doesn't exist (and even to recognize what's needed).
> >
>
> Still sounds good.
>
>
> > 3rd, the people refered to in (2) are kept out of ham radio in large
> > numbers by the antiquated, distasteful, Morse hazing ritual that many
> > coded hams insist must be maintained at all costs ...
> >
>
> So, these people have to be hams to do this wonderful design work.

Why would non-hams spend large amounts of time and energy developing
stuff for hams to use if they weren't able to use it themselves??? (And
don't
tell me "to make the big bucks" ... that will only get laughs ... ham gear
mfgrs.
have been steadily going out of business for years and years because the
market is so small and the customer so damned cheap ...

> And its
> keeping them out because............................they don't want to
> take the code test? They can't "do" the code? What? This I need an answer
> to. (Yes, a REAL answer)

Because the skilled people we need are too smart and too busy to waste
the relatively huge amounts of time necessary to get "proficient" in Morse
when the have no interest in using it and never will use it ... it's a
waste
and a torture they're not prepared to endure ...

> > 4th, this policy of technological stagnation has already harmed ham
radio
> > seriously and, in fact, threatens our future survival as a viable FCC
> radio
> > service in the coming century because it has resulted in our service
NOT
> > MEETING the vast majority of its' regulatory raisons d'etre.
>
> As an example, we have not met.............what? Please help me out on
> this one. (don't be a weenie, I really want to know)

The purpose of ham radio, in the eyes of the regulators (and the reason we
have bands to begin with) is primarily to encourage technical
experimentation
and self-training ... that's what we're not doing NEARLY enough of ... the
vast
majority of today's hams are technically ignorant applianace operators who
waste valuable spectrum playing games and being obnoxious ... period.

MD and others will disput this and try to play all sorts of word games to
try to make it seem otherwise, but the technical and public service aspects
of ham radio are ALL the regulators give a rat's ass about ... they could
carl less than less about contests, etc. in fact if they really observed
what
goes on on our bands closely for a few weeks or months, they'd probably
summarily pull the plug on us without further discussion ...

Nowhere in Part 97 does it say jack about games, contests, etc. ... that's
ALL a perversion of ham radio that was dreampt up by the ARRL ... they have
COMPLETELY devalued and deemphasized what ham radio is *supposed*
to be ...

That's what we need to fix ...

> >(if we don't "get a move on" the FCC will likely decide that we're not
> worth the spectral investment they've made, take our bands back, and
> auction them off to someone who will make FAR better public interest
> use of them.)
> >
>
> I'll buy that part.
>
> > This concludes the *real* answer ... at least the short-form version of
> it
> > ..
> > you're welcome.
> >
> > I sincerely hope that you will consider these comments in a thoughtful
> > manner, perferably in the light of reality, outside of the well, at
high
> > noon, and without the welder's goggles ...
> >
> Now see? Can't you just give an answer without doing this? I have really
> TRIED to stop the smart assed comments because I have become genuinely
> interested in "your" side of the argument. If I didn't WANT to know, I
> wouldn't ASK. At least I'm trying to get enough info to make an
intelligent
> decision. I was an asshole about it at first, but now I really want to
> know.

OK, Graham ... I withdraw the sarcasm at the end of my previous post WRT
the well and the welder's goggles ... you're man enough to admit that you
were
wrong in your approach at first (and that approach is what pissed me off

towards
you) and I have to give you credit for taking a better, more open-minded
tack ...

OK?

Carl - wa6vse
wa6vse@fast.net

From -4836171949189630453
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Bob Miller <bmiller@calweb.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/17
Message-ID: <337E874C.6C4A@calweb.com>#1/1
X-Deja-AN: 242183465
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kgon1$sge$1@nnrp01.primenet.com>
<01bc58c6$b8925d20$66029ace@graham.surfsouth.com>
<33740d4f.26583817@netnews.worldnet.att.net> <33761AB1.410C@rida.net>
<337663f2.29448272@news.atl.bellsouth.net> <33792BB8.6953@rollanet.nospam.org>
<01bc6078$0a1dd300$9895f5ce@wa6vse.fast.net>
<01bc60ac$edecece0$49029ace@graham.surfsouth.com> <5leo20$71d@jupiter.planet.net>
<01bc6233$1d2eed00$76029ace@graham.surfsouth.com> <337E0127.E9@ccm.ch.intel.com>
Organization: CalWeb Internet Services, Inc.
Reply-To: bmiller@calweb.com
Newsgroups: rec.radio.amateur.policy,rec.ham-radio
NNTP-Posting-User: account=bmiller

Cecil Moore wrote:
>
> Graham wrote:
> > So, if we follow you logic (or lack of it), because you think we don't need
> > the code test any longer, we can't advance technologically until the test
> > is gone.
>
> Look at it this way, Graham (-: Amateur radio is like a basketball team that
> won't allow anybody on the team who is over six feet tall - then wonders why
> they're a bunch of losers and get absolutely no respect.
>
> 73, Cecil, W6RCA, OOTC
Wow! Cecil, your arguments amaze me. They are so connected to reality.

Tsk What the hell has baseball and purely physical attributes got to do with CW and Ham Radio. Would a 4 1/2 foot tall basketball player make it in the NBA? A better analogy though since in this case physical attributes are a factor.

Keep up the good fight.

Bob, KE6F

From 6190860833736758522
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3dd0ad2f6715122c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb6c1,3dd0ad2f6715122c,start
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: fa656,3dd0ad2f6715122c,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10e8ad,3dd0ad2f6715122c,start
X-Google-Attributes: gid10e8ad,public
X-Google-Thread: f84e8,3dd0ad2f6715122c,start
X-Google-Attributes: gidf84e8,public
From: bart@es.co.nz (Bart Kindt)
Subject: Info needed on 25/29 Ghz propagation
Date: 1997/05/18
Message-ID: <bart.88.0A852722@es.co.nz>#1/1
X-Deja-AN: 242151399
Organization: Efficient Software NZ
Keywords: ghz propagation
Newsgroups: rec.ham-radio,nl.radio.amateur,rec.radio.amateur,rec.radio.amateur.digital,rec.radio.amateur.space

Hi all,

I am trying to find any information on the propagation and behavior of QPSK transmisions in the 25 to 29 Ghz band.
Especially maximum range in good weather, rain and fog interference and reflection aspects, that is, does the signal reflect of buildings, trees or is it absorbed.

Any information on these bands is welcome, either amateur experiments or commercial data.

Please reply by EMAIL as I do not normally read these newsgroups :)

Thanks for all help,

Bart Kindt
PA2FOX / ZL4FOX
Dunedin, New Zealand

```
From -6082992789763530783
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: tbryant@cannet.com (T.L.Bryant)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/18
Message-ID: <5llmf1$hfq@dolphin.cannet.com>#1/1
X-Deja-AN: 242167588
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <01bc6012$9edea340$68029ace@graham.surfsouth.com>
<3379E739.5BB2@ccm.ch.intel.com> <01bc60b0$a11a57a0$49029ace@graham.surfsouth.com>
Organization: cannet.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
```

>Wrong yet another time Cecil! To exclude some who is UNWILLING to learn is
>NOT discriminatory. They have CHOSEN not to participate. And for those who
>are UNABLE to learn, a system is in place to provide a waiver. So once
>again you have demonstrated your inability to use simple logic.

Also remember this: "discriminate" and "chose" are synonyms. Although the former has merited a negative connotation in its meaning.

Tom - N8ECW

```
From 1675836553750798431
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Michael D. Wolff" <mwolff@usa.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/18
```

Message-ID: <01bc6337$68e94380$5d2dad98@mwolff.panasonicfa.com>#1/1
X-Deja-AN: 242232809
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kgon1$sge$1@nnrp01.primenet.com>
<01bc58c6$b8925d20$66029ace@graham.surfsouth.com>
<33740d4f.26583817@netnews.worldnet.att.net> <33761AB1.410C@rida.net>
<5l5jc5$4c4@dfw-ixnews9.ix.netcom.com> <33776D3F.5B4E@lni.net>
<3377ACDE.7AA6@ccm.ch.intel.com>
Organization: Humboldt Universitaet zu Berlin
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Seems to me that it is discriminatory to use CW as a filter to keep people
who want to use voice on HF off of HF bands....

73, de,

N1GSV

> Maybe a quote from the President and Board of Directors of the Radio
> Amateurs of Canada, Inc. would help: "To suggest that the code be
> viewed as a 'filter mechanism' to exclude those unable or unwilling
> to learn the code, is discriminatory".
>
> 73, Cecil, W6RCA, OOTC
>

From 807632829191022559
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: kd1hz@anomaly.ideamation.com.nospam (Michael P. Deignan)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/18
Message-ID: <5ln430$nmv@anomaly.ideamation.com>#1/1
X-Deja-AN: 242257641
References: <33236044.339E@kerrlake.com>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <01bc6124$c7d25ae0$6790f5ce@wa6
<01bc62fc$b010c160$9a95f5ce@wa6vse.fast.net>
Organization: The Ace Tomato Company
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <01bc62fc$b010c160$9a95f5ce@wa6vse.fast.net>, Carl R. Stevenson <wa6vse@fast.net> wrote:

>Why would non-hams spend large amounts of time and energy developing
>stuff for hams to use if they weren't able to use it themselves???

Codeless techs can't use the technology they develop on the VHF+ bands?

>The purpose of ham radio, in the eyes of the regulators (and the reason we
>have bands to begin with) is primarily to encourage technical experimentation
>and self-training ...

You might want to re-read 97.1. Only 40% of 97.1 deals with technical matters. 60% of 97.1 deals with communications-related issues.

>MD and others will disput this and try to play all sorts of word games to
>try to make it seem otherwise, but the technical and public service aspects
>of ham radio are ALL the regulators

Technical != public service. Knowing how to build a radio does >not< make you an effective emergency traffic handler. These are two entirely different skill sets. The latter is by far more important than the former, even though you would never admit it. It only takes a few people to design something technically, whereas it takes hundreds or thousands to adopt it and use it efficiently. The interaction that public safety officials will have with hams is strictly on the communications end -- how well they handle emergency traffic -- not on how well they can build a radio.

MD
--
-- Ted Kennedy has killed more people with his car than I have
-- with my guns.
--
-- If you don't like my opinions, that's just too damn bad.

From -5045440364658823720
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: Future enforcement issues ... (was part of code/no-code)
Date: 1997/05/18
Message-ID: <01bc639c$3626ed20$1c90f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 242258429

References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<3378b6d6.743838@news.mindspring.com> <3379123e.19068257@netnews.worldnet.att.net>
<01bc6063$55b6bf80$9895f5ce@wa6vse.fast.net> <3379E946.929@ccm.ch.intel.com>
<01bc60b1$8aa0c080$49029ace@graham.surfsouth.com>
<01bc6120$023affc0$6790f5ce@wa6vse.fast.net>
<01bc6238$609fb060$76029ace@graham.surfsouth.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Graham <not@public.com> wrote in article
<01bc6238$609fb060$76029ace@graham.surfsouth.com>...
> > Regardless of code/no-code, technical issues, or anything else, one
thing
> > that the ham community also needs to come to grips with is developing
> > some sort of way to actually see that the rules are enforced and that
the
> > sociopaths that do slip through the licensing process are eliminated
..
> >
> > Carl - wa6vse
> > wa6vse@fast.net
> >
> Right on the nose! I'll be willing to help this issue any way I can. We
> agree on something! Kinda scary! Just kidding, but we (all hams) do need
to
> come to some common ground on how to resolve these issues. The ARRL and
FCC
> are not going to do it. Its ultimately up to us. See! I'm not such a bad
> guy!
>
> K4XA
> Graham

IMHO, we need an act of Congress that would allow the FCC to
charge reasonable fees for ham licenses AND not have to dump those
fees into the federal general fund slush fund never to be seen again.
If the FCC could keep ham fees in a separate fund, dedicated to
ham enforcement, they could hire a few field engineers and put them
on the worst cases ... a few solid prosecutions with seizure of the
offending ham's equipment, some serious jail time, and heavy fines
and I'll bet a lot of the sociopaths would "get religion." Those who
didn't would percolate to the top of the list sooner or later and get
busted.

I would happily pay $100/year under these conditions ... now before
folks start bitching and whining about how "that's too much" consider
this. It's about the cost of two evenings out, consisting of dinner for
two with a drink or two for each person at a middle-of-the-road sort
of restaurant ... or a day at Disneyland (probably less than that) ...
or whatever ... my point is for a year it's cheap ...

Anone unwilling to support the service in this way doesn't deserve
to remain licensed, IMHO ... if they can't afford this, they can't afford
radios, etc. either ... so I would maintain that cheapskates should
either pay up or get out ...

Carl - wa6vse
wa6vse@fast.net

From 6429335371286293738
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/18
Message-ID: <01bc63a7$6985dcc0$1c90f5ce@wa6vse.fast.net>
X-Deja-AN: 242270168
References: <33236044.339E@kerrlake.com>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <01bc6124$c7d25ae0$6790f5ce@wa6
<01bc62fc$b010c160$9a95f5ce@wa6vse.fast.net> <5ln430$nmv@anomaly.ideamation.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Michael P. Deignan <kd1hz@anomaly.ideamation.com.nospam> wrote in article
<5ln430$nmv@anomaly.ideamation.com>...
> In article <01bc62fc$b010c160$9a95f5ce@wa6vse.fast.net>,
>   Carl R. Stevenson <wa6vse@fast.net> wrote:
>
> >Why would non-hams spend large amounts of time and energy developing
> >stuff for hams to use if they weren't able to use it themselves???
>
> Codeless techs can't use the technology they develop on the VHF+ bands?

Codeless techs are systematically excluded from what even coded hams
readily admit is "mainstream ham radio" ... many refuse to participate at
all as "second-class citizens" relegated to the radio equivalent of "the back
of the bus."

> >The purpose of ham radio, in the eyes of the regulators (and the reason we
> >have bands to begin with) is primarily to encourage technical

experimentation

> >and self-training ...
>
> You might want to re-read 97.1. Only 40% of 97.1 deals with technical matters. 60% of 97.1 deals with communications-related issues.

You might want to see the scarecrow from the Wizard of Oz and see if you can borrow a brain ... your assertion is crap and you know it ... you assume erroneously that every one of a set of sentences is of equal imporance in the eyes of the regulators and carries equal weight.

Since your sig seems to emphasize the importance of firearms in your personal lifestyle, I will try to explain this in terms which may actually be capable of penetrating that thick skull of yours, Mike ...

Let's say that I have several guns ... ranging from a BB gun, to a .22, to a 30-06, to a Weatherby .458 magnum elephant gun, to a 75 mm recoilless rifle ... would you consider them equally "important" in terms of the damage I could do to you, were I to shoot you in the chest with each of them???

If I were to say "Mike, I'm going to shoot you with *one* of these guns, but you get to choose which one," would you say "I don't care, it doesn't matter to me, so you go ahead and use whichever one you like." ???

Just like the BB gun would do the least damage (and the larger caliber, more powerful weapons would do more), the parts of 97.1 are NOT of equal importance. To assert otherwise is like saying that the .458 magnum and the BB gun would harm you equally ... ridiculous ...

> >MD and others will disput this and try to play all sorts of word games to
> >try to make it seem otherwise, but the technical and public service aspects
> >of ham radio are ALL the regulators
>
> Technical != public service. Knowing how to build a radio does >not< make you an effective emergency traffic handler. These are two entirely different skill sets.

I agree 100% with the assertion that "technical != public service" in the most basic sense ... however, the blanket statement you make above is not *entirely* all-encompassingly accurate in the following senses ...

1) it presumes that an "effective traffic handler" is one with a well-practiced set of manual skills that are "necessary to handle traffic effectively" (this could include proficiency in typing messages into a digital message transmission system on a keyboard, an alternative that would be far faster and more effective than manual Morse)

2) it ignores the fact that one can build advanced communications systems that can handle far more traffic far more effectively and accurately than Morse and do so under conditions where Morse would be completely inoperative. (IOW, the more advanced system is demonstrably better at meeting the operational needs of the user)

3) it also ignores the fact that without the technical skill to build, install, and maintain (or at a minimum install and maintain) systems capable of meeting such needs, all the clerical skills associated with "being an effective traffic handler" in the ancient sense to which you refer are USELESS.

4) Finally ... your definition of "public service" is rather narrow (but that's understandable since it's been inherently constrained by the narrowness of your mind) and ignores the fact that the goals of self-education, developing a pool of "electronics experts", and adavncing the SOTA in radio communications are *also* activities that can be demonstrated to have "public service" or "public
interest" value ... IOW, the public in general benefits from such activities
..

> The latter is by far more important than the former,
> even though you would never admit it.

Of course I won't ... because your assertion is false ... you don't like or want to be bothered with the technical side, so you seek to construct a distorted world view where the importance of what you don't like is artificially de-emphasized ... because that suits your agenda, not because it's real.

> It only takes a few people to
> design something technically, whereas it takes hundreds or thousands to
> adopt it and use it efficiently.

The point that eludes you is that those hundreds/thousands need to have a reasonable level of technical knowledge in order to be capable of adopting and using it effectively ... otherwise, they're too ignorant to be able to install,
adjust, and operate it properly and effectively, and they may end up doing more harm than good ...

Just because you're the poster child *and* "Jerry Lewis" of technical ignorance
all rolled into one person doesn't mean it's a worthwhile cause Mike ...

Carl - wa6vse
wa6vse@fast.net

From -4718785120799560534
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public

From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/18
Message-ID: <01bc63a9$80d38560$1c90f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 242270745
References: <33236044.339E@kerrlake.com> <01bc5956$e2ad50c0$783b8080@cbx-nt>
<33716880.1E <01bc6217$33db2120$e690f5ce@wa6vse.fast.net>
<5li4n4$666@news.service.uci.edu> <01bc6265$e000d0a0$189cf5ce@wa6vse.fast.net>
<337DE81D.457A@ix.netcom.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Thomas Foster <tlfoster@ix.netcom.com> wrote in article
<337DE81D.457A@ix.netcom.com>...
> Carl R. Stevenson wrote:
> >
> > The present exams do not assure that minimal necessary level of knowledge
> > and
> > skill, as witnessed by the know-nothings in our ranks ... some of whom are
> > extras and haven't a clue, even about such basic things as Ohm's Law and
> > how
> > to cut a diplole to resonance ... we cannot permit that sort of thing to
> > continue.
> >
> > Carl - wa6vse
> > wa6vse@ais.net
> >
> Hi, Carl.
>
> I believe you can attribute the lack of knowledge above to the question
> pool, which I advocate eliminating completely.
>
> Best regards,
> Lindsay Foster
> WA4ISZ

Lindsay,

I agree that the published question pool with exact asnwers is a BAD idea and causes problems .... however, there are other, more insidious problems ... the foremost of which IMHO is the existence of a mindset (such as evidenced and promoted by MD and others, including the ARRL) that de-emphasizes the importance and purpose of the technical side in favor of beeping, competitive games, and the like ... this has had very serious harmful effects on the ARS over the past several decades.

We need to reverse this trend and get back to what we're supposed to be, not some perverted shadow of our past glory created in the minds of some macho gamers ...

Carl - wa6vse
wa6vse@fast.net

From 1928154557879382320
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/18
Message-ID: <01bc63af$3253a360$1c90f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 242276009
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kgon1$sge$1@nnrp01.primenet.com>
<01bc58c6$b8925d20$66029ace@graham.surfsouth.com>
<33740d4f.26583817@netnews.worldnet.att.net> <33761AB1.410C@rida.net>
<337663f2.29448272@news.atl.bellsouth.net> <33792BB8.6953@rollanet.nospam.org>
<01bc6078$0a1dd300$9895f5ce@wa6vse.fast.net>
<01bc60ac$edecece0$49029ace@graham.surfsouth.com> <5leo20$71d@jupiter.planet.net>
<01bc6233$1d2eed00$76029ace@graham.surfsouth.com> <337E0127.E9@ccm.ch.intel.com>
<337E874C.6C4A@calweb.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

Bob Miller <bmiller@calweb.com> wrote in article <337E874C.6C4A@calweb.com>...
> Cecil Moore wrote:
> > Look at it this way, Graham (-: Amateur radio is like a basketball team
that
> > won't allow anybody on the team who is over six feet tall - then wonders
why
> > they're a bunch of losers and get absolutely no respect.
> >
> > 73, Cecil, W6RCA, OOTC
> Wow! Cecil, your arguments amaze me. They are so connected to reality.
> Tsk What the hell has baseball and purely physical attributes got
> to do with CW and Ham Radio. Would a 4 1/2 foot tall basketball
> player make it in the NBA? A better analogy though since in this
> case physical attributes are a factor.
>
>   Keep up the good fight.
>
>   Bob, KE6F

Bob,

Cecil's analogy is right on ... the variation in ability to learn to copy Morse

code amongst individuals and is a variable physiological attribute,
just as is the variation in height ...

The fact that amateur radio seems intent on self-selecting against those
with the very (technical) skills that it needs for its own future survival is
indeed "like a basketball team that won't accept anyone over 6 feet tall,
then wonders why they're a bunch of losers and get absolutely no respect."

Carl - wa6vse
wa6vse@fast.net

From 1721272015623365953
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: kd1hz@anomaly.ideamation.com.nospam (Michael P. Deignan)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/18
Message-ID: <5lnba2$o2t@anomaly.ideamation.com>#1/1
X-Deja-AN: 242283789
References: <33236044.339E@kerrlake.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
Organization: The Ace Tomato Company
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <337B3E67.1674@ccm.ch.intel.com>,
Cecil Moore <cecil_a_moore@ccm.ch.intel.com> wrote:

>Hi Graham, real answer. I work with a guy who designs the latest forms of
>communication technology and he is prevented from putting them on the air
>on the HF ham bands by the code test requirement and some other silly
>rules.

Yeah, and to think that in all this sillyness he could be working on
getting them on the VHF+ frequencies, where he has tens of megahertz of
spectrum available w/ no code test, but it "just so happens" that he
"needs" HF.

Yeah. Uh-huh. Right.

MD
--
-- Ted Kennedy has killed more people with his car than I have
-- with my guns.

```
--
--  If you don't like my opinions, that's just too damn bad.
```

```
From 5403428536630192461
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/18
Message-ID: <337FBD86.465B@delphi.com>#1/1
X-Deja-AN: 242332382
References: <33236044.339E@kerrlake.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
<5lnba2$o2t@anomaly.ideamation.com>
Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
```

Michael P. Deignan wrote:
> Yeah, and to think that in all this sillyness he could be working on
> getting them on the VHF+ frequencies, where he has tens of megahertz of
> spectrum available w/ no code test, but it "just so happens" that he
> "needs" HF.

Hi Michael, he *has* indeed put them in operation on the microwave frequencies. It is I, not he, who need him to put them on HF. He says, "Why should I help you on HF designs when I'm not even allowed there?" I don't have an answer to his question, do you?

73, Cecil, W6RCA, OOTC

```
From -380362108015638802
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Robert Gross <robtgross@worldnet.att.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/18
Message-ID: <337F3D62.18D8@worldnet.att.net>#1/1
```

X-Deja-AN: 242998515
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <01bc6012$9edea340$68029ace@graham.surfsouth.com>
<3379E739.5BB2@ccm.ch.intel.com> <01bc60b0$a11a57a0$49029ace@graham.surfsouth.com>
<5llmf1$hfq@dolphin.cannet.com>
Organization: QCS
Reply-To: ROBTGROSS@WORLDNET.ATT.NET
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

The fact that you hams keep this discussion about CW going day in and
day out just proves that CW = Continuous Waste.

From 8594943866137272264
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Graham" <not@public.com>
Subject: Re: CW Code Re-testing Requirement
Date: 1997/05/18
Message-ID: <01bc63b7$619a5300$32029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 243005632
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<3378b6d6.743838@news.mindspring.com> <3379123e.19068257@netnews.worldnet.att.net>
<01bc6063$55b6bf80$9895f5ce@wa6vse.fast.net> <3379E946.929@ccm.ch.intel.com>
<01bc60b1$8aa0c080$49029ace@graham.surfsouth.com> <337B4083.3AB2@ccm.ch.intel.com>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Cecil Moore <cecil_a_moore@ccm.ch.intel.com> wrote in article
<337B4083.3AB2@ccm.ch.intel.com>...
> Graham wrote:
> > I have to say kudos to you on this one! I may not agree with allot you
say,
> > but you are correct when it comes to proper operating procedure.
>
> Hi Graham, it's not always obvious, but I'll bet we agree on 99.98% of
> the things in this world. I'll bet we're both against smallpox.
>
> 73, Cecil, W6RCA, OOTC

Now THATS funny! And I would bet your correct. BTW, how do you feel about smallpox testing? Just kidding, couldn't resist!

K4XA
Graham

From -5727710415533992613
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3dd0ad2f6715122c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb6c1,3dd0ad2f6715122c
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: f84e8,3dd0ad2f6715122c
X-Google-Attributes: gidf84e8,public
X-Google-Thread: 10e8ad,3dd0ad2f6715122c
X-Google-Attributes: gid10e8ad,public
X-Google-Thread: fa656,3dd0ad2f6715122c
X-Google-Attributes: gidfa656,public
From: barryoXX@fastlink.com.au (Barry O'Grady)
Subject: Re: Info needed on 25/29 Ghz propagation
Date: 1997/05/18
Message-ID: <337f06cb.8438639@news.fastlink.com.au>#1/1
X-Deja-AN: 243006825
References: <bart.88.0A852722@es.co.nz>
Organization: Organisation
Reply-To: barryoXX@fastlink.com.au
Newsgroups: rec.ham-radio,nl.radio.amateur,rec.radio.amateur,rec.radio.amateur.digital,rec.radio.amateur.space

bart@es.co.nz (Bart Kindt) wrote:

:Hi all,
:
:I am trying to find any information on the propagation and behavior of QPSK
:transmisions in the 25 to 29 Ghz band.

Here's the drum. The signal goes out until it contacts a solid object then it stops. If it encounters a partialy solid object it is attenuated.

Range at that frequency for a practical amateur aplication would be around 100 metres.

=====================================
To reply via email please remove the XX from my
return address.

From -5695901638711632863
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: myers@West.Sun.COM (Dana Myers)
Subject: Re: CW Code Re-testing Requirement
Date: 1997/05/18
Message-ID: <5lnkgm$efp@newsworthy.West.Sun.COM>#1/1
X-Deja-AN: 243169763
References: <33236044.339E@kerrlake.com>
<01bc60b1$8aa0c080$49029ace@graham.surfsouth.com> <337B4083.3AB2@ccm.ch.intel.com>
<01bc63b7$619a5300$32029ace@graham.surfsouth.com>
Followup-To: rec.radio.amateur.policy
Organization: SunSoft South, Los Angeles, CA
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <01bc63b7$619a5300$32029ace@graham.surfsouth.com>,
Graham <not@public.com> wrote:
>Cecil Moore <cecil_a_moore@ccm.ch.intel.com> wrote in article
><337B4083.3AB2@ccm.ch.intel.com>...
>> Graham wrote:
>> > I have to say kudos to you on this one! I may not agree with allot you
>say,
>> > but you are correct when it comes to proper operating procedure.
>>
>> Hi Graham, it's not always obvious, but I'll bet we agree on 99.98% of
>> the things in this world. I'll bet we're both against smallpox.
>>
>> 73, Cecil, W6RCA, OOTC
>
>Now THATS funny! And I would bet your correct. BTW, how do you feel about
>smallpox testing? Just kidding, couldn't resist!

Cecil is actually one of the nicest folks I've ever broken bread (or
spicy Thai food) with. I suspect Cecil and I would agree that smallpox
testing has a much actual relevance to amateur radio today as the
Morse exams, too.

;-)

Dana

(Please note the Followup-To: line)
--
 * Dana H. Myers K6JQ, DoD#: j | Views expressed here are mine and should *
 * (310) 348-6043 | not be interpreted or represented as   *
 * Dana.Myers@West.Sun.Com | those of Sun Microsystems, Inc.   *

From -404203425635324676
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW Code Re-testing Requirement
Date: 1997/05/19
Message-ID: <01bc63e9$97dffd20$0e95f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 242334898
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<3378b6d6.743838@news.mindspring.com> <3379123e.19068257@netnews.worldnet.att.net>
<01bc6063$55b6bf80$9895f5ce@wa6vse.fast.net> <3379E946.929@ccm.ch.intel.com>
<01bc60b1$8aa0c080$49029ace@graham.surfsouth.com> <337B4083.3AB2@ccm.ch.intel.com>
<01bc63b7$619a5300$32029ace@graham.surfsouth.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Graham <not@public.com> wrote in article
<01bc63b7$619a5300$32029ace@graham.surfsouth.com>...
> Cecil Moore <cecil_a_moore@ccm.ch.intel.com> wrote in article
> <337B4083.3AB2@ccm.ch.intel.com>...
> > Graham wrote:
> > > I have to say kudos to you on this one! I may not agree with allot you
> say,
> > > but you are correct when it comes to proper operating procedure.
> >
> > Hi Graham, it's not always obvious, but I'll bet we agree on 99.98% of
> > the things in this world. I'll bet we're both against smallpox.
> >
> > 73, Cecil, W6RCA, OOTC
>
> Now THATS funny! And I would bet your correct. BTW, how do you feel about
> smallpox testing? Just kidding, couldn't resist!

Or more to the point ... how would you feel if you had to pass a
smallpox test to get a ham license ... it would be about as relevant
as a Morse test ... <grin>

Carl - wa6vse
wa6vse@fast.net

```
From -4999898687933808639
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Ed Hare, W1RFI" <ehare@arrl.org>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/19
Message-ID: <5lpn3t$sdl@mgate.arrl.org>#1/1
X-Deja-AN: 242393419
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<01bc5d6c$c3b80740$e390f5ce@wa6vse.fast.net>
<01bc6013$bae75860$68029ace@graham.surfsouth.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <01bc6124$c7d25ae0$
<01bc62fc$b010c160$9a95f5ce@wa6vse.fast.net>
Organization: American Radio Relay League, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
```

"Carl R. Stevenson" <wa6vse@fast.net> wrote:

>Nowhere in Part 97 does it say jack about games, contests, etc.
>that's ALL a perversion of ham radio that was dreampt up by the ARRL
>.. they have COMPLETELY devalued and deemphasized what ham radio is
>*supposed* to be ...

Contests have existed long before ARRL decided to support those who play
that game. Why, there are even a few not sponsored by the Leauge. :-)

Be careful of extremes. I think some of the work ARRL has done promoting
public service falls a bit outside the scope of rather strongly
emphasized "COMPLETELY."

73 from ARRL HQ,
Ed Hare, W1RFI

```
From 7482117622567427590
X-Google-Language: ENGLISH,ASCII-7-bit
```

X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: kd1hz@anomaly.ideamation.com.nospam (Michael P. Deignan)
Subject: Re: CW Code Re-testing Requirement
Date: 1997/05/19
Message-ID: <5lq1ad$3k6@anomaly.ideamation.com>#1/1
X-Deja-AN: 242448166
References: <33236044.339E@kerrlake.com> <337B4083.3AB2@ccm.ch.intel.com>
<01bc63b7$619a5300$32029ace@graham.surfsouth.com>
<01bc63e9$97dffd20$0e95f5ce@wa6vse.fast.net>
Organization: The Ace Tomato Company
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <01bc63e9$97dffd20$0e95f5ce@wa6vse.fast.net>,
Carl R. Stevenson <wa6vse@fast.net> wrote:

>
>Or more to the point ... how would you feel if you had to pass a
>smallpox test to get a ham license ... it would be about as relevant
>as a Morse test ... <grin>

I wasn't aware that 40% of the amateurs in the US had contact with
smallpox on a regular basis when on HF....

MD

--
-- Ted Kennedy has killed more people with his car than I have
-- with my guns.
--
-- If you don't like my opinions, that's just too damn bad.

From -4026810095394009146
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: glenq@NOSPAMcyberhighway.net (Glen Quarnstrom)
Subject: Re: Future enforcement issues ... (was part of code/no-code)
Date: 1997/05/19
Message-ID: <338caa8b.4322217@news.cyberhighway.net>#1/1
X-Deja-AN: 242463852
References: <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>

<3378b6d6.743838@news.mindspring.com> <3379123e.19068257@netnews.worldnet.att.net>
<01bc6063$55b6bf80$9895f5ce@wa6vse.fast.net> <3379E946.929@ccm.ch.intel.com>
<01bc60b1$8aa0c080$49029ace@graham.surfsouth.com>
<01bc6120$023affc0$6790f5ce@wa6vse.fast.net>
<01bc6238$609fb060$76029ace@graham.surfsouth.com>
<01bc639c$3626ed20$1c90f5ce@wa6vse.fast.net>
Organization: CyberHighway Internet Services
Reply-To: address@sig
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

"Carl R. Stevenson" <wa6vse@fast.net> wrote:

>IMHO, we need an act of Congress that would allow the FCC to
>charge reasonable fees for ham licenses AND not have to dump those
>fees into the federal general fund slush fund never to be seen again.

That's not going to happen.

>I would happily pay $100/year under these conditions ... now before
>folks start bitching and whining about how "that's too much" consider
>this. It's about the cost of two evenings out, consisting of dinner for
>two with a drink or two for each person at a middle-of-the-road sort
>of restaurant ... or a day at Disneyland (probably less than that) ...
>or whatever ... my point is for a year it's cheap ...

>Anone unwilling to support the service in this way doesn't deserve
>to remain licensed, IMHO ... if they can't afford this, they can't afford
>radios, etc. either ... so I would maintain that cheapskates should
>either pay up or get out ...

Ha! If you think a Morse test keeps people out of the hobby, what
effect do you think THIS little gem would have?

--
glenq@cyberhighway.net
WB7DOW @ KB7CFD.ID.USA.NOAM

From -4031850623198819814
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Cecil Moore <cecil_a_moore@ccm.ch.intel.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/19
Message-ID: <3380D0C8.632@ccm.ch.intel.com>#1/1
X-Deja-AN: 242477846
References: <33236044.339E@kerrlake.com>

<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
<5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
<3394c6df.11576006@news.cyberhighway.net>
Organization: Intel Corp.
Reply-To: cecil_a_moore@ccm.ch.intel.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Glen Quarnstrom wrote:
> Sure. Lots of folks work on the space program, for instance, and have
> no chance of getting into space.

Lame Glen, really lame. We are talking about a hobby, not a career. Repeat
after me: career = income, hobby = fun. Lots of people have a job that's no
fun. Only a masochist would have a hobby that's no fun. Do you have a hobby
that's no fun? Why do you want someone else to have a hobby that's no fun?

> It's merely a matter of a few weeks
> or months of practice and most anyone can get on HF.

Or "merely" years and years of failure to get to 13wpm. Then the indignity
of a medical waiver when there's absolutely nothing wrong with the person.
IMO, Just another form of hazing/discrimination to make some inferior folk
feel superior to someone who is, in reality, superior to them in all ways
except wetware modeming. IMO, one way to achieve superiority is to tear the
other person down and that's exactly what the CW testing requirement does.

73, Cecil, W6RCA, OOTC

From 7988251500422255229
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
From: "Graham" <not@public.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/19
Message-ID: <01bc64aa$5edb9cc0$77029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 242481347
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kgon1$sge$1@nnrp01.primenet.com>
<01bc58c6$b8925d20$66029ace@graham.surfsouth.com>
<33740d4f.26583817@netnews.worldnet.att.net> <33761AB1.410C@rida.net>
<5l5jc5$4c4@dfw-ixnews9.ix.netcom.com> <33776D3F.5B4E@lni.net>

<3377ACDE.7AA6@ccm.ch.intel.com>
<01bc6337$68e94380$5d2dad98@mwolff.panasonicfa.com>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

> > Maybe a quote from the President and Board of Directors of the Radio
> > Amateurs of Canada, Inc. would help: "To suggest that the code be
> > viewed as a 'filter mechanism' to exclude those unable or unwilling
> > to learn the code, is discriminatory".

Again, I would like to point out the flaws in this statement.

1) Anyone UNWILLING to learn code IS NOT being discriminated against. They
have CHOSEN not to participate.

2) There is a system in place to grant a waiver to anyone UNABLE to learn
code for some medical or physical reason.

Therefore: Neither of the above mentioned cases can be in any way defined
as discrimination. The Canadians are wrong.

K4XA
Graham

From 8776096048003571792
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/19
Message-ID: <3381394D.C36@delphi.com>#1/1
X-Deja-AN: 242521643
References: <33236044.339E@kerrlake.com> <5lnba2$o2t@anomaly.ideamation.com>
<337FBD86.465B@delphi.com> <01bc64b2$10a5f840$5d95f5ce@wa6vse.fast.net>
<5lr5n7$8v2@anomaly.ideamation.com>
Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Michael P. Deignan wrote:
> In many respects, his answer sounds awfully selfish.

So would you rather he be selfless? That's what you are asking of him.
He sounds awfully homo sapien-ish to me. He doesn't have an altruistic
bone in his body - that's one reason I like him. For the record, just

what altruistic, unselfish action have you performed, Mr. Hyde? Har-har

> Second, he can reap benefits, by operating under your license, with
> certain restrictions.

Just between you and me, Michael, he wouldn't stoop so low. I can't
repeat his response to your suggestion.

73, Cecil, W6RCA, OOTC

From 9105265180038970165
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW Code Re-testing Requirement
Date: 1997/05/19
Message-ID: <33813731.3063@delphi.com>#1/1
X-Deja-AN: 242599116
References: <33236044.339E@kerrlake.com> <337B4083.3AB2@ccm.ch.intel.com>
<01bc63b7$619a5300$32029ace@graham.surfsouth.com>
<01bc63e9$97dffd20$0e95f5ce@wa6vse.fast.net> <5lq1ad$3k6@anomaly.ideamation.com>
Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Michael P. Deignan wrote:
> I wasn't aware ...

Yup, that's the whole problem. :-)

73, Cecil, W6RCA, OOTC

From -7951749086940767401
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: kd1hz@anomaly.ideamation.com.nospam (Michael P. Deignan)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/19
Message-ID: <5lr5n7$8v2@anomaly.ideamation.com>#1/1

```
X-Deja-AN: 243097890
References: <33236044.339E@kerrlake.com> <5lnba2$o2t@anomaly.ideamation.com>
<337FBD86.465B@delphi.com> <01bc64b2$10a5f840$5d95f5ce@wa6vse.fast.net>
Organization: The Ace Tomato Company
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio


Cecil A. Moore <cecilmoore@delphi.com> writes:

>> > Yeah, and to think that in all this sillyness he could be working on
>> > getting them on the VHF+ frequencies, where he has tens of megahertz of
>> > spectrum available w/ no code test, but it "just so happens" that he
>> > "needs" HF.
>
> Hi Michael, he *has* indeed put them in operation on the microwave
> frequencies. It is I, not he, who need him to put them on HF. He says,
> "Why should I help you on HF designs when I'm not even allowed there?"
> I don't have an answer to his question, do you?

Sure... First, he's helping >you<, isn't he? If I help a friend work
on a project, I don't necessarily expect reap benefits (i.e. if I help
a friend work on his car, I don't expect to drive it.) In many respects,
his answer sounds awfully selfish.

Second, he can reap benefits, by operating under your license, with
certain restrictions.

MD
--
--  Ted Kennedy has killed more people with his car than I have
--  with my guns.
--
--  If you don't like my opinions, that's just too damn bad.



From -6155344370462375210
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: glenq@NOSPAMcyberhighway.net (Glen Quarnstrom)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/19
Message-ID: <3394c6df.11576006@news.cyberhighway.net>#1/1
X-Deja-AN: 243314394
References: <33236044.339E@kerrlake.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
<5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
```

Organization: CyberHighway Internet Services
Reply-To: address@sig
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

"Cecil A. Moore" <cecilmoore@delphi.com> wrote:

>Michael P. Deignan wrote:
>> Yeah, and to think that in all this sillyness he could be working on
>> getting them on the VHF+ frequencies, where he has tens of megahertz of
>> spectrum available w/ no code test, but it "just so happens" that he
>> "needs" HF.
>
>Hi Michael, he *has* indeed put them in operation on the microwave
>frequencies. It is I, not he, who need him to put them on HF. He says,
>"Why should I help you on HF designs when I'm not even allowed there?"
>I don't have an answer to his question, do you?

Sure. Lots of folks work on the space program, for instance, and have
no chance of getting into space. It's merely a matter of a few weeks
or months of practice and most anyone can get on HF.
--
glenq@cyberhighway.net
WB7DOW @ KB7CFD.ID.USA.NOAM

From 9046155113147820 29
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c4f1cf61da37eb8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,4c4f1cf61da37eb8,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: fa656,4c4f1cf61da37eb8,start
X-Google-Attributes: gidfa656,public
From: KE6KXS <samhain@sonic.net>
Subject: Updated Repeater Guide?
Date: 1997/05/19
Message-ID: <3380DA3D.3B5D@sonic.net>#1/1
X-Deja-AN: 243344041
Organization: Kilo Foxtrot 6 Kilo X-ray Sierra
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.scanner

looking for an updated repeater guide (ARRL 97-98 guide is pretty
useless). especially for the San Francisco Bay Area. post here or via
e-mail, whatever's convenient. thanks!

KF6KXS
samhain@sonic.net

```
From -4679666483496858354
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Graham" <not@public.com>
Subject: Discrimination
Date: 1997/05/19
Message-ID: <01bc64aa$96166800$77029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 243354809
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <01bc6012$9edea340$68029ace@graham.surfsouth.com>
<3379E739.5BB2@ccm.ch.intel.com> <01bc60b0$a11a57a0$49029ace@graham.surfsouth.com>
<5llmf1$hfq@dolphin.cannet.com>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio


T.L.Bryant <tbryant@cannet.com> wrote in article
<5llmf1$hfq@dolphin.cannet.com>...
> Also remember this: "discriminate" and "chose" are synonyms. Although the

> former has merited a negative connotation in its meaning.
>
> Tom - N8ECW
>

You are correct sir.

K4XA
Graham




From 9081265019286671615
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Graham" <not@public.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/19
Message-ID: <01bc64ab$4fb6da60$77029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 243354823
```

References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<01bc5d6c$c3b80740$e390f5ce@wa6vse.fast.net>
<01bc6013$bae75860$68029ace@graham.surfsouth.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com>
<01bc6124$c7d25ae0$6790f5ce@wa6vse.fast.net>
<01bc6236$6f86ea00$76029ace@graham.surfsouth.com>
<01bc62fc$b010c160$9a95f5ce@wa6vse.fast.net>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Carl R. Stevenson <wa6vse@fast.net> wrote in article
<01bc62fc$b010c160$9a95f5ce@wa6vse.fast.net>...
> OK, Graham ... I withdraw the sarcasm at the end of my previous post WRT
> the well and the welder's goggles ... you're man enough to admit that you
> were wrong in your approach at first (and that approach is what pissed me
off
> towards you) and I have to give you credit for taking a better, more
open-minded
> tack ...
>
> OK?
>
> Carl - wa6vse
> wa6vse@fast.net

Good deal Carl!

Hey, I thought the "invention" of Amateur Radio also had something to do
with providing emergency communications (I.E. field day ect.) What is the
"official" reading on this?

K4XA
Graham

From -3639151198319671113
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Graham" <not@public.com>
Subject: Re: CW should die, not the "hobby"

Date: 1997/05/19
Message-ID: <01bc64ab$a7f27040$77029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 243359222
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <01bc6012$9edea340$68029ace@graham.surfsouth.com>
<3379E739.5BB2@ccm.ch.intel.com> <01bc60b0$a11a57a0$49029ace@graham.surfsouth.com>
<337B3FCF.3203@ccm.ch.intel.com> <01bc6237$873d5c00$76029ace@graham.surfsouth.com>
<01bc62df$ccd87c60$9a95f5ce@wa6vse.fast.net> <337DFFF3.5703@ccm.ch.intel.com>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

> But if he really understood and took the time to get into world
literature
> he would come to love it (and then try to force it on everybody else).
:-)
>
> 73, Cecil, W6RCA, OOTC

No way man! I wouldn't force that on people I DIDN'T like. BTW, I did make
a B+ in the class.

K4XA
Graham

From 7399463854188706208
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/20
Message-ID: <01bc64b2$6ab60000$5d95f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 242488236
References: <33236044.339E@kerrlake.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
<5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
<3394c6df.11576006@news.cyberhighway.net>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Glen Quarnstrom <glenq@NOSPAMcyberhighway.net> wrote in article
<3394c6df.11576006@news.cyberhighway.net>...
> "Cecil A. Moore" <cecilmoore@delphi.com> wrote:
>
> >Michael P. Deignan wrote:
> >> Yeah, and to think that in all this sillyness he could be working on
> >> getting them on the VHF+ frequencies, where he has tens of megahertz of
> >> spectrum available w/ no code test, but it "just so happens" that he
> >> "needs" HF.
> >
> >Hi Michael, he *has* indeed put them in operation on the microwave
> >frequencies. It is I, not he, who need him to put them on HF. He says,
> >"Why should I help you on HF designs when I'm not even allowed there?"
> >I don't have an answer to his question, do you?
>
> Sure. Lots of folks work on the space program, for instance, and have
> no chance of getting into space. It's merely a matter of a few weeks
> or months of practice and most anyone can get on HF.

Still haven't found a "clue rental" place, huh, Glen ... here's a freebie:
Those thousands of folks who work on the space program do it for
money ... that's how they earn their living ...

Your lame comparisons aren't worth the bandwidth ... you must have
studied under Mike ...

Carl - wa6vse
wa6vse@fast.net

```
From -5380084490431132325
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/20
Message-ID: <01bc64b2$10a5f840$5d95f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 242489000
References: <33236044.339E@kerrlake.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com> <337B3E67.1674@ccm.ch.intel.com>
<5lnba2$o2t@anomaly.ideamation.com> <337FBD86.465B@delphi.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
```

Cecil A. Moore <cecilmoore@delphi.com> wrote in article
<337FBD86.465B@delphi.com>...
> Michael P. Deignan wrote:
> > Yeah, and to think that in all this sillyness he could be working on
> > getting them on the VHF+ frequencies, where he has tens of megahertz of
> > spectrum available w/ no code test, but it "just so happens" that he
> > "needs" HF.
>
> Hi Michael, he *has* indeed put them in operation on the microwave
> frequencies. It is I, not he, who need him to put them on HF. He says,
> "Why should I help you on HF designs when I'm not even allowed there?"
> I don't have an answer to his question, do you?
>
> 73, Cecil, W6RCA, OOTC
>

Cecil ... the stock answer to the question seems to go something
like "those stinking no-coder, technical types should be GLAD to
grovel at the feet of "higher class" beeping hams and hand over all
the technical stuff they've developed so the "higher class" beeping
hams can use it, too" (oh ... I almost forgot, "they should also install
it and maintain it for the benefit of the "higher class" beeping hams,
since they can't do it themselves 'cause they were too busy learning
to beep to learn how to do that technical stuff themselves ...")

Carl - waa6vse
wa6vse@fast.net

From 7521149280803544145
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/20
Message-ID: <01bc64b5$219c97a0$5d95f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 242490297
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kgon1$sge$1@nnrp01.primenet.com>
<01bc58c6$b8925d20$66029ace@graham.surfsouth.com>
<33740d4f.26583817@netnews.worldnet.att.net> <33761AB1.410C@rida.net>

<5l5jc5$4c4@dfw-ixnews9.ix.netcom.com> <33776D3F.5B4E@lni.net>
<3377ACDE.7AA6@ccm.ch.intel.com>
<01bc6337$68e94380$5d2dad98@mwolff.panasonicfa.com>
<01bc64aa$5edb9cc0$77029ace@graham.surfsouth.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Graham <not@public.com> wrote in article
<01bc64aa$5edb9cc0$77029ace@graham.surfsouth.com>...
> > > Maybe a quote from the President and Board of Directors of the Radio
> > > Amateurs of Canada, Inc. would help: "To suggest that the code be
> > > viewed as a 'filter mechanism' to exclude those unable or unwilling
> > > to learn the code, is discriminatory".
>
> Again, I would like to point out the flaws in this statement.
>
> 1) Anyone UNWILLING to learn code IS NOT being discriminated against. They
> have CHOSEN not to participate.
>
> 2) There is a system in place to grant a waiver to anyone UNABLE to learn
> code for some medical or physical reason.
>
> Therefore: Neither of the above mentioned cases can be in any way defined
> as discrimination. The Canadians are wrong.

No, Graham, the Canadians are dead bang right ...

Arbitrary "filter mechanisms to exclude" (anyone for anything that's
not truly relevant and mandatory) are discriminatory and should NOT
be part of government-mandated licensing schemes.

Carl - wa6vse
wa6vse@fast.net

From -3049600665041094318
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW Code Re-testing Requirement
Date: 1997/05/20
Message-ID: <01bc64b3$9b4efd60$5d95f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 242490840
References: <33236044.339E@kerrlake.com> <337B4083.3AB2@ccm.ch.intel.com>

```
<01bc63b7$619a5300$32029ace@graham.surfsouth.com>
<01bc63e9$97dffd20$0e95f5ce@wa6vse.fast.net> <5lq1ad$3k6@anomaly.ideamation.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio


Michael P. Deignan <kd1hz@anomaly.ideamation.com.nospam> wrote in article
<5lq1ad$3k6@anomaly.ideamation.com>...
> In article <01bc63e9$97dffd20$0e95f5ce@wa6vse.fast.net>,
>    Carl R. Stevenson <wa6vse@fast.net> wrote:
>
> >
> >Or more to the point ... how would you feel if you had to pass a
> >smallpox test to get a ham license ... it would be about as relevant
> >as a Morse test ... <grin>
>
> I wasn't aware that 40% of the amateurs in the US had contact with
> smallpox on a regular basis when on HF....

Well, Mike, *you're* there and that's worse ... I'd rather come in
contact with the smallpox than you ... smallpox is more sociable
(and more intelligent, I'll bet ...)

Carl - wa6vse
wa6vse@fast.net





From -975511561416457297
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: jwkelley@e4e.oac.uci.edu (James W. KELLEY)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/20
Message-ID: <5lsm06$h8u@news.service.uci.edu>#1/1
X-Deja-AN: 242637431
References: <33236044.339E@kerrlake.com> <33776D3F.5B4E@lni.net> <33
<01bc64aa$5edb9cc0$77029ace@graham.surfsouth.com>
Organization: University of California, Irvine
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio


In article <01bc64aa$5edb9cc0$77029ace@graham.surfsouth.com>,
Graham <not@public.com> wrote:
>> > Maybe a quote from the President and Board of Directors of the Radio
>> > Amateurs of Canada, Inc. would help: "To suggest that the code be
>> > viewed as a 'filter mechanism' to exclude those unable or unwilling
```

>> > to learn the code, is discriminatory".

>Again, I would like to point out the flaws in this statement.

>1) Anyone UNWILLING to learn code IS NOT being discriminated against. They
>have CHOSEN not to participate.

I might have to agree, that the reasons given here may be poor, but it does not deny the fact that code testing is discriminatory.

From the 10th Edition of the Merriam Webster's Collegiate Dictionary:
discriminate: distinction, to distinguish between ~ 1a: to mark of perceive the distinguishing or peculiar features of 1b: distinguish, differentiate ~ 2: to distinguish by discerning or exposing differences; to distinguish from another like object ~ vi 1a: to make a distinction ~ 1b: to use good judgment [??] ~
[****]2: to make a difference in treatment or favor on a basis other than individual merit[****]

I believe the last definition has the most relavence here, and it is precisely the issue. It is the "merit" of the code tests to determine operator qualifications which is in dispute. It is the existance of the current requirement (that all applicants must memorize and become proficient in one particular popular encoding scheme), and it's relationship to, or more specifically the lack thereto, an licensee's ability to operate a radio transmitter on the amateur bands in compliance with national and international regulations which is in question.

To require and reward this particular type of manual proficiency, which is not a required mode of operation, does not demonstrate an operator's skill and knowlege to otherwise operate amateur radio transmitting apparatus, and does not demonstrate an operator's knowlege of the underlying radio principles or pertinent regulations, is indeed treatment or favor on a basis other than individual merit. Governments should stay our of the business of awarding brownie points for extracurricular activities.

>Therefore: Neither of the above mentioned cases can be in any way defined
>as discrimination. The Canadians are wrong.

>K4XA
>Graham

The good gentleman from 4 land is wrong. There are many good reasons to learn code and operate CW. But none of them are persuasive as a requirement. Overall, the Canadian stance is well reasoned and will find general support at the ITU.

A question was asked recently about what sort of test might replace the code exam (Bob Wexelbaum, I think). My view is the tests already exist. But it can be argued that supplementing the content of those written exams would be appropriate in such an eventuality. Gary (also in 4 land) has made an excellent suggestion in my view, with regard to practical problem solving on the written tests. I would like to see that implemented (so I could work the problems) :-). Perhaps Gary would like to provide us with an example of one, if only to tantalize?

In addition, merging some or all of 4A with 3B, and adding 5 written questions regarding the Morse characters would be a more than adequate requirement for HF privileges. Hardly a "dumbing down". The technical "level" of the questions in the written exams thru Extra is appropriate for amateur radio. The scope of the material could be increased to be somewhat more comprehensive and inclusive. That's a lot of work to pile on the VEC's. However, I think they have demonstrated they are more than up to the task.

73 from AC6XG, Jim

From 3661563718018158357
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/13
Message-ID: <01bc5fa5$4ac37fa0$6895f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 241285528
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee> <3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net> <5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com> <5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgon1$sge$1@nnrp01.primenet.com> <01bc58c6$b8925d20$66029ace@graham.surfsouth.com> <33740d4f.26583817@netnews.worldnet.att.net> <33761AB1.410C@rida.net> <5l5jc5$4c4@dfw-ixnews9.ix.netcom.com> <33776D3F.5B4E@lni.net>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Greg Emerson <gregemmy@lni.net> wrote in article <33776D3F.5B4E@lni.net>...
> Gerald Schmitt wrote:
>
> >Actually Alan for some people it is not all that easy. Apparently is
> >was reasonably easy for you but it can be very difficult to impossible
> >for others. Saying "it is not so hard" strikes a nerve in folks who
> >expended massive effort to master code, even worse for those who simply
> >could never do it.
>
> So what about the people that have a hard time with theory? I know
> people who had an easy time with the code but a bear of a time with the

> theory. Why shouldn't they be crying "get rid of the theory and make the
> code tests harder"! You say CW is obsolete? Well, in ten years that hard
> theory test information will be, too. The stuff the electronics schools
> were teaching ten years ago about the 8088 processor is ancient history
> now.

That problem exists within ham radio ... I would venture to say that a vast majority of long-term licensees (and I am in this group, having been licensed since 1975) are woefully incompetent by today's standards because they have not kept up with the changes in technology (I do NOT fall in this sub-group).

This is why I favor retesting for a reasonable level of technical currency and competency at each renewal ... giving existing licensees 5 years or until their next renewal to prepare in the interest of fairness ... anyone who cannot become technically competent in 5-10 years simply is not qualified, period. This is consistent with the govenment's objectives in licensing.

> This whole discussion is getting more ridiculous by the second. Who can
> sound smarter than whom....Who can use the biggest words...The anti-code
> people won't listen to anything the CW people are saying.

We listen to the Morse Myths, promulgated by the technically ignorant and refute them with sound, factual engineering facts ...

We reject the emotional arguments like "it's *tradition*" or "you have to *work* for it" ad nauseum ... because they have no place in a government-mandated licensing arena ...

Those two areas seem to completely cover "the pro-code side" ... what else is there to listen to???

Carl - wa6vse
wa6vse@fast.net

From 964725348022311281
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd

```
X-Google-Attributes: gid10bf43,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/13
Message-ID: <3378780D.6C7E@delphi.com>#1/1
X-Deja-AN: 241300039
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-
ixn10.ix.netcom.com> <336CF780.15C5@delphi.com>
<01bc58eb$33bfd4e0$74029ace@graham.surfsouth.com> <5kjku3$7lc@sjx-
ixn6.ix.netcom.com> <01bc5da9$73ee8940$bf95f5ce@wa6vse.fast.net>
<3375F001.59F1@calweb.com> <33764C8A.7433@delphi.com> <3376956A.3B7A@calweb.com>
<01bc5f4a$44b40b80$5e029ace@graham.surfsouth.com>
Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio


Graham wrote:
> Well spoken, Bob. They can't take it when someone disagrees with them.

Well Graham, It is extremely mean, painful, and traumatic for someone to imply
that my conditional class license was not the license of a real ham. <tic>

73, Cecil, W6RCA, OOTC




From 6512045965513701542
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Cecil Moore <cecil_a_moore@ccm.ch.intel.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/13
Message-ID: <3378955D.16D3@ccm.ch.intel.com>#1/1
X-Deja-AN: 241309467
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<01bc5a94$f4674700$d0a255ce@Gordon.ctaz.com> <33754E7F.58E3@en.com>
<33769604.6558@delphi.com> <33781EBE.26B2@en.com>
Organization: Intel Corp.
Reply-To: cecil_a_moore@ccm.ch.intel.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
```

Terry Morris wrote:
> Done that in '64 while a junior in high school. Next metaphor.

ROTFL, I knew it would happen sooner or later. Next metaphor: If you
really
want to get into Mensa, you can? By definition, Mensa membership is
limited
to 2% of the population. Opps, sorry, forgot you became a member of
Mensa
on your second birthday. :-)

73, Cecil, W6RCA, OOTC

```
From -731141408477418502
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/13
Message-ID: <01bc5fac$e304fda0$6895f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 241310448
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
<5kv5vb$qbc@sjx-ixn7.ix.netcom.com> <5l50uo$3nc@dolphin.cannet.com>
<5l8p31$2mt@sjx-ixn10.ix.netcom.com> <5l9qo0$afv@dolphin.cannet.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
```

T.L.Bryant <tbryant@cannet.com> wrote in article
<5l9qo0$afv@dolphin.cannet.com>...
>
> >Actually Tom under current rules the CW band plan spectrum can already
> >be used for more efficient modes of communications. RTTY the tors and
> >Clover are all narrow band so they can be used on the "CW" portions of
> >the bands. But since they are so efficient they don't have to "hog the
> >bands".
> >
> >   Jerry
>
> There's a big difference between a band plan and where a mode is
predominately
> used. Listen to 7.000 to 7.050 and tell me how much RTTY and AMTOR you
hear

> compared to 7.075 to 7.100 Mhz.
>
> Tom - N8ECW

That's simply the result of voluntary agreements (largely promulgated by the
ARRL) designed to provide a "sanctuary" for the beepers.

Carl - wa6vse
wa6vse@fast.net

From 5978293368622400946
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Cecil Moore <cecil_a_moore@ccm.ch.intel.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/13
Message-ID: <3378979D.390F@ccm.ch.intel.com>#1/1
X-Deja-AN: 241311149
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <336FE0CE.14E3@calweb.com>
<3370ADAC.4BAA@ccm.ch.intel.com> <33712D9E.17BF@calweb.com>
<01bc5d9b$c012c1a0$bf95f5ce@wa6vse.fast.net> <3375200D.58FC@calweb.com>
<33753696.7DC7@ccm.ch.intel.com> <337553A1.25A@calweb.com>
<3375EAB9.3319@delphi.com> <337820EF.4FEE@en.com>
<01bc5f9d$de8b3320$6895f5ce@wa6vse.fast.net>
Organization: Intel Corp.
Reply-To: cecil_a_moore@ccm.ch.intel.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Carl R. Stevenson wrote:
> (or "king of the hill," or whatever game it happens to be), ...

Hi Carl, make that "king of the molehill". :-)

73, Cecil, W6RCA, OOTC

From -7855094061951081748
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: How Mike got his ham license ...
Date: 1997/05/13
Message-ID: <01bc5fc3$52dce140$6895f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 241317584
References: <33236044.339E@kerrlake.com> <5l2c8p$is0$1@nnrp01.primenet.com>
<3375E8E0.5F5A@delphi.com> <3375B89A.710C@ibm.net>
<5l706i$2uc@anomaly.ideamation.com>
<01bc5f4b$ce150040$5e029ace@graham.surfsouth.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

> Michael P. Deignan <kd1hz@anomaly.ideamation.com.nospam> wrote >
> AFFIDAVIT
> >
> > I acknowledge that I have received a copy of FCC CFR Part 97, have
> > read and understood the terms within, and agree to abide by the
> > rules and regulations as set forth therein when operating this radio.
> >
> > Signed: _______________________   Date: ____/____/____
> >
> >
> > We can even let people make up their own callsigns too. KE8QZY is
> > too confusing. THings like "Big Mama", "Yo Daddy", and "Crazy Eddie"
> > are much easier to remember...
> >
> > MD

So *that's* how you became a ham, Mike? Some clerk who cross-trained
from processing the old CB license apps at the FCC office in Gettysburg
screwed up from force of habit and issued a license to you on the basis
of a CB-like affidavit you made up and mailed in?

You get credit for an original idea (probably your only one) ... but I'd
still
love to see you retested to a decent theory test ...

Carl - wa6vse
wa6vse@fast.net

From -5726486902253647817
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd

```
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: sco@sco-inc.com (SCO)
Subject: CW Code Re-testing Requirement
Date: 1997/05/13
Message-ID: <3378b6d6.743838@news.mindspring.com>#1/1
X-Deja-AN: 241322597
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
X-Server-Date: 13 May 1997 18:57:18 GMT
Organization: MindSpring Enterprises
Reply-To: sco@sco-inc.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
```

I see code exams as necessary ... if you want to run cw in the HF cw sub-bands only. The only treaty obligation we have is for 5 wpm code. They (13/20 wpm code tests) have no future reason to exist for testing to see if a ham should be able to operate voice or data (computer) in the HF voice and data bands.

If the present high speed code hams [Generals and above] want to keep the current code testing requirements, then lets make them put up or shut up. Change the rules to require RE-TESTING on CW (13/20 wpm only) every 5 years in order to keep your license.

Let's see what happens. If they truely believe in CW they will endorse this idea. But if they only want to keep other hams out of HF country then they will fight this change to improve the CW use on HF. Because they won't want to have to re-learn the code themselves in order to keep their licenses.

If you agree and would like to help me change this present situation,
email me: KE4IKT@sco-inc.com

```
From 1498794913894839030
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Demolition Man <demoman@rollanet.nospam.org>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/13
Message-ID: <33792BB8.6953@rollanet.nospam.org>#1/1
X-Deja-AN: 241399000
```

References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kgon1$sge$1@nnrp01.primenet.com>
<01bc58c6$b8925d20$66029ace@graham.surfsouth.com>
<33740d4f.26583817@netnews.worldnet.att.net> <33761AB1.410C@rida.net>
<337663f2.29448272@news.atl.bellsouth.net>
Organization: FLASH Security & Communications
Reply-To: http://www.rollanet.org/~demoman/
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

This thread sucks major wind.

anti-code-testing group calls pro-code-testing "rabid" consistently,
pro-code-testing calls anti-code-testing names and so on.

I am extrememly new to ham radio and i think this sucks!

a.c.t. says the code test is irrelevant and more theory should
be emplaced. why? what difference does it make? i've got a handful
of degrees so does a lot of people. the only theory that really
pertains
to ham radio today is: don't cuss, give your call sign at the designated
intervals, EVEN though i do homebrew and build tube types and make my
own
antennae on occasion. I'm even building an ATV addition to my 6m, 70cm
multicast repeater which is 50 percent or so homebrew.
which brings me to the next cut.

p.c.t. says keep the code test to keep people out. a harsh way of
saying
incentive licensing i guess. the a.c.t. people say "hey, if you wanna
use
code, fine just don't MAKE us." why doesn't it work the other way. if
you wanna re-invent rf principles by being a demon at theory then fine,
don't MAKE me. people DO buy off the shelf radios and use the spoken
word
when communicating. how much freakin theory does that take? relevant
topics as i stated before are to not cuss and give you call sign when
appropriate. that's all freakin frequencies.

dang, both sides suck.

i became president of our little ham club in Salem, MO. my club
runs a parallel with this news group. back biting, arrogant and
no concern for their appearance to prospective hams.

i'm in favor of code testing so i guess i'm "rabid" too. but i am
NOT AGAINST reducing speeds OR other mode testing. some have
offered up packet and fax etc. that's along my area of expertise as
my degrees are rooted in the computer arena.

more to the point:

what's wrong with promoting ham radio's worth rather than
detract from it.

--
A.C.Curtis
KB0WLF

mailto:demoman@rollanet.org
http://www.rollanet.org/~demoman/

From -8331342236740199272
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: kd1hz@anomaly.ideamation.com.nospam (Michael P. Deignan)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/13
Message-ID: <5l9lcm$68d@anomaly.ideamation.com>#1/1
X-Deja-AN: 241409767
References: <33236044.339E@kerrlake.com>
<01bc5d9b$c012c1a0$bf95f5ce@wa6vse.fast.net> <3375200D.58FC@calweb.com>
<01bc5e39$89d648c0$5c9cf5ce@wa6vse.fast.net>
Organization: The Ace Tomato Company
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <01bc5e39$89d648c0$5c9cf5ce@wa6vse.fast.net>,
Carl R. Stevenson <wa6vse@fast.net> wrote:

> ... ham radio is *supposed* (read part 97) to be a primarily
>technical pursuit ...

Errr, guess you haven't been reading your Part 97. Only 40% of 97.1,
the section which defines what amateur radio "is", deals with matters of
a technical nature.

Thus, amateur radio is >not<, by FCC definition, a technical pursuit,
no matter what you, up there on Mt. Olympus, state.

>They (rightly
>and understandably) refuse to bow to a community which predominantly
>consists of their technical inferiors and waste significant amounts of their
>valuable time and eneergy

Translated: They are superior to the rest of us, and how >DARE< we question their superiority. They are the GODS of Mt. Olympus. We're just supposed to genuflect in their general direction and let them do whatever they want, including giving special dipensation with regards to the rules.

>In short, if Morse had been made optional about three decades ago, like it
>should have been, we'd have a far larger number of technically competent
>hams

Blah blah blah, yada yada yada... same of bull-$#!+ ... More personal opinion passed off as "facts"... Wonder what professional study concluded this... Maybe Carl will post the reference... (More than likely not, though, since we know Carl blows facts out of his rear-end...)

>We do agree that the technical testing methodolgy is flawed and permits
>huge numbers of technically incompetent people to gain licenses ... that's
>directly because the entire emphasis of the ARRL's "Incentive Licensing"
>scheme was to assert the ability to copy faster and faster Morse as the
>primary metric of "goodness and merit" in a ham.

Blah blah blah, yada yada yada. Morse Code the root of all evil. Morse code is responsible for earthquakes. Today's lousy weather is all the fault of Morse Code. Morse Code is responsible for crappy theory examinations. Morse code caused the black plague, great Irish potato famine, and a host of other world-wide disasters....

> ... the ARRL and it's retrogressive, stagnating
>policies are orchestrating the ham radio equivalent of Jonestown or
>the recent mass suicides near San Diego ...

blah blah blah, yada yada yada... The only person in outer space here is... well... Mt. Olympus is above the clouds, after all. Hmmm... Maybe the air is a little thin up there... It would explain a lot...

MD
--
-- Ted Kennedy has killed more people with his car than I have
-- with my guns.
--
-- If you don't like my opinions, that's just too damn bad.

```
From 5859330326891969249
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
```

X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: kc5egg@ix.netcom.com(Gerald Schmitt)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/13
Message-ID: <5lakr0$j76@sjx-ixn8.ix.netcom.com>#1/1
X-Deja-AN: 241432538
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
<5kv5vb$qbc@sjx-ixn7.ix.netcom.com> <337362E0.2F6B@ccm.ch.intel.com>
<5l0ldf$lml@sjx-ixn7.ix.netcom.com> <33742BA1.B52@delphi.com> <5l2bh1$8of@dfw-ixnews11.ix.netcom.com> <5l5qu4$7hv@dfw-ixnews8.ix.netcom.com> <5l8opk$3u5@sjx-ixn5.ix.netcom.com> <5l9oa2$s8s@dfw-ixnews6.ix.netcom.com>
Organization: Netcom
X-NETCOM-Date: Tue May 13 2:01:20 PM PDT 1997
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In <5l9oa2$s8s@dfw-ixnews6.ix.netcom.com> docdc@ix.netcom.com(Dale
Harper) writes:
>
>>If you had said this in your reply to Ian's question I would have no
>>issue with it. Your assertions were a bit stronger. More like, "I am
>>dyslexic and I passed the code and now I'm a doctor." At that time
you
>>had passed 5 WPM and you were and still are a chiropractor. It's all
>in
>>Dejanews you can find the exact wording if you want.
>
>Well, Jerry, that's not what was said, that may be what you read out
of
>it.

http://www.dejanews.com it's all there
>

>
>Not bragging Jerry, You told me dyslexics couldn't learn the code.
Just
>reminding you that it's not true. Still two of us. You and I.

I never said dyslexics could not learn the code but rather the effort
they had to put in to do it was excessive. Again I ask you not to cite
me as an example. With recent demonstrations of your need to "win"
debates at any cost icluding truth and honor I doubt you will comply
with my request but I still ask.

As to your assertions on education they are too far off subject to
comment further but they were entertaining. I'll let you and the AMA
work that issue.

Now I will take my own advice and not bother with you any further, I cannot debate the factually challenged.

Jerry

From 3810090203135427397
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: hossie <hossie@getonthe.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/13
Message-ID: <33792C74.2D69@getonthe.net>#1/1
X-Deja-AN: 241743108
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-
ixn10.ix.netcom.com> <336CF780.15C5@delphi.com>
<01bc58eb$33bfd4e0$74029ace@graham.surfsouth.com> <5kjku3$7lc@sjx-
ixn6.ix.netcom.com> <01bc5da9$73ee8940$bf95f5ce@wa6vse.fast.net>
<3375F001.59F1@calweb.com> <33764C8A.7433@delphi.com> <3376956A.3B7A@calweb.com>
Organization: Maretasters, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Bob Miller wrote:
>
> Cecil, you are incredible. Through innuendo you have inferred that
> I am a Nazi, a Communist, a Fascist, and God only know what else based

Bzzzzzt! Wrong. Cecil may have *implied* such things, and you or others may have *inferred* them from what he wrote, bur the reverse is incorrect.

Since we have "implied" CW-purity Nazis spewing all over the newsgroup, do you mind if I get on my launguage high horse and demand that hams learn proper English (or thrir native language), whether SSB, FM, CW, or Usenet?

After all, there are many sides to the "purity" of ham radio...
Misusing the language in an attempt to appear erudite is counter-productive...

hossie, KC0ES, who wishes more people would "stick it in their
innuendoes" and enjoy whatever aspects of life appeal to them without
trying to force others into the same mold

From -5376393919802350798
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/14
Message-ID: <01bc600b$28769ca0$6695f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 241388867
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kgon1$sge$1@nnrp01.primenet.com>
<01bc58c6$b8925d20$66029ace@graham.surfsouth.com>
<33740d4f.26583817@netnews.worldnet.att.net> <33761AB1.410C@rida.net>
<5l5jc5$4c4@dfw-ixnews9.ix.netcom.com> <33776D3F.5B4E@lni.net>
<01bc5f4a$feb00b60$5e029ace@graham.surfsouth.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Graham <not@public.com> wrote in article
<01bc5f4a$feb00b60$5e029ace@graham.surfsouth.com>...
> > Gerald Schmitt wrote:
> >
> > >Actually Alan for some people it is not all that easy. Apparently is
> > >was reasonably easy for you but it can be very difficult to impossible
> > >for others. Saying "it is not so hard" strikes a nerve in folks who
> > >expended massive effort to master code, even worse for those who
simply
> > >could never do it.
>
> Which is EXACTLY what you egg heads do to the people who found the code
was
> easy and the theory was hard. So, if we use your faulty logic we should
> drop the theory and make the code test harder. See, won't float will it?

No, Grahm ... we realize that the theory is also harder for some that for others ... and we're *not* suggesting a level of difficulty equivalent to an EE degree or the like, as MD and others often assert in their efforts to unrealistically frighten people about the results of reemphasizing the technical side of ham radio instead of clinging to 1847 beeper "technology" (Morse is so outdated I just can't bring myself to call it "technology" without using the quotes)

But ... we also recognize the reality that the theory is a NECESSARY and JUSTIFIABLE licensing requirement, while changes in technology and other factors make it impossible to rationally justify continuing to force all hams to learn Morse code to obtain totally unrelated HF priveleges ...

Like it or not, the logic and rational justifications of theory vs. code are sort of like a diode ... they only work in one direction ...

Actually, we're not really talking about making the tests significantly "harder" in terms of the technical level ... just fixing the test methods so that people will have to really understand the necessary material instead of being able to "luck out" and guess their way through the test without really knowing anything. (that happens too much today ... MD is a perfect example ... he regularly brags about how he memorized the answers without giving a hoot about what they meant or how things work ...) We don't want technically incompetent hams. They are far more likely to cause harmful interference, could possibly hurt themselves or others, and just generally give all hams a bad name and image ..

I hope I've clarified these points in a way that makes my position easier for you to understand and agree with ...

Carl - wa6vse
wa6vse@fast.net

```
From 3415172584516330255
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
```

```
X-Google-Attributes: gid10bf43,public
From: "Graham" <not@public.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/14
Message-ID: <01bc6012$50c99fc0$68029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 241435087
References: <33236044.339E@kerrlake.com>
<01bc58c4$da6de240$66029ace@graham.surfsouth.com>
<01bc58e2$4b143540$26f010d0@cmx00101.up.net>
<01bc58ed$26ce9ee0$74029ace@graham.surfsouth.com>
<5kl6co$991@news.service.uci.edu>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio


James W. KELLEY <jwkelley@e4e.oac.uci.edu> wrote in article
<5kl6co$991@news.service.uci.edu>...
>
> If K4XA is an original call, and if one considers the level of intellect
> brought to the newsgroup by this individual thus far, it is sadly
> apparent the "denominator" has been very low for quite a long time.
>
Yea, whats your call?

Graham
K4XA




From -1089473820534200098
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Graham" <not@public.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/14
Message-ID: <01bc6012$9edea340$68029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 241435089
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio


Cecil A. Moore <cecilmoore@delphi.com> wrote in article
<336EC4C6.4724@delphi.com>...
```

>> Reminds me of a REQUIREMENT back in Texas when I was growing
> up. All the unwashed masses of no-coders born without a built-
> in beeper step to the vhf end of the bus. Nope, not allowed up
> front in the HF section with us lily-white beeping hams.
>
> 73, Cecil, W6RCA, OOTC
>

So now the code is a form of racial discrimination? Boy that's a stretch
even for you Cecil.

K4XA
Graham

From -7550983773198473155
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Graham" <not@public.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/14
Message-ID: <01bc6013$bae75860$68029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 241435099
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<01bc5d6c$c3b80740$e390f5ce@wa6vse.fast.net>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

> the need for modernization)" .... DREAM on ... the olde fartz are dying
off
> and the majority of licensees will soon be no-coders ... LEARN TO LIVE
> WITH IT ...
>
> Carl - wa6vse
> wa6vse@fast.net

Old Farts? That's a broad assumption. I'm only 34. How old are you?

K4XA
Graham

From 9213467753680283180
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Graham" <not@public.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/14
Message-ID: <01bc6014$304d0e60$68029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 241435173
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <5khcku$obf@newshost.vvm.com>
<01bc5d9f$e5c4e280$bf95f5ce@wa6vse.fast.net>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

> Don't hold your breath waiting for "Joe Mama" and the ilk to become
> courteous, or even civil ... unfortunately there are far too many
> ignoramuses
> like him in our ranks ... that's why ham radio has so many problems.
>
> Carl - wa6vse
> wa6vse@fast.net

Yea, and I've seen so many "courteous and civil" posts from your bunch. I
just don't think we need to drop the code test, thats all.

K4XA
Graham

From -5392550543989958015
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Graham" <not@public.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/14

Message-ID: <01bc6014$a86a9160$68029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 241449738
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kh6i4$1n1@dfw-ixnews4.ix.netcom.com>
<01bc58c4$da6de240$66029ace@graham.surfsouth.com>
<01bc58e2$4b143540$26f010d0@cmx00101.up.net>
<01bc58ed$26ce9ee0$74029ace@graham.surfsouth.com>
<01bc5da3$8d32cb60$bf95f5ce@wa6vse.fast.net>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

> Typical pro-code, bigoted, "got mine, you can go to hell" response noted.

No Carl, its not. It just points out that a choice exist.

K4XA
Graham

From -7660150895000337529
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: WA2RSX@worldnet.att.net (Vince- ex:WV2RSX)
Subject: Re: CW Code Re-testing Requirement
Date: 1997/05/14
Message-ID: <3379123e.19068257@netnews.worldnet.att.net>#1/1
X-Deja-AN: 241479601
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<3378b6d6.743838@news.mindspring.com>
Organization: AT&T WorldNet Services
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

On Tue, 13 May 1997 18:57:39 GMT, sco@sco-inc.com (SCO) wrote:

>
>I see code exams as necessary ... if you want to run cw in the HF cw
>sub-bands only. The only treaty obligation we have is for 5 wpm code.
>They (13/20 wpm code tests) have no future reason to exist for testing
>to see if a ham should be able to operate voice or data (computer) in
>the HF voice and data bands.

>
>If the present high speed code hams [Generals and above] want to keep
>the current code testing requirements, then lets make them put up or
>shut up. Change the rules to require RE-TESTING on CW (13/20 wpm only)
>every 5 years in order to keep your license.
>
>Let's see what happens. If they truely believe in CW they will endorse
>this idea. But if they only want to keep other hams out of HF country
>then they will fight this change to improve the CW use on HF. Because
>they won't want to have to re-learn the code themselves in order to
>keep their licenses.
>
>If you agree and would like to help me change this present situation,
>email me: KE4IKT@sco-inc.com

Hello:

I enjoy using the CW mode very much. I use sending/receiving speeds
as required.

I am, for one, in favor of re-testing to renew ham tickets, but let's
not stop at retesting for CW only.... I would go along with retesting
theory and cw (at all speeds and all levels) anytime that I want to
renew my ticket. Certainly, we should start with retesting at 5 wpm so
that those that cannot send/receive at 5wpm are weeded out first.

Thanks for expressing a good idea, but I dont think you have gone far
enough.

73s,
Vince

From -8045959996878815734
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW Code Re-testing Requirement
Date: 1997/05/14
Message-ID: <01bc6063$55b6bf80$9895f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 241488283
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>

<3378b6d6.743838@news.mindspring.com> <3379123e.19068257@netnews.worldnet.att.net>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Vince- ex:WV2RSX <WA2RSX@worldnet.att.net> wrote in article <3379123e.19068257@netnews.worldnet.att.net>...

> Hello:
>
> I enjoy using the CW mode very much. I use sending/receiving speeds as required.
>
> I am, for one, in favor of re-testing to renew ham tickets, but let's not stop at retesting for CW only.... I would go along with retesting theory and cw (at all speeds and all levels) anytime that I want to renew my ticket. Certainly, we should start with retesting at 5 wpm so that those that cannot send/receive at 5wpm are weeded out first.

I have no fear a 5 wpm test ... I am sure that a week of evenings at the computer with something like SuperMorse would get me up to snuff. (I suspect I could pass 5 wpm with no brush-up, but I used to be a Boy Scout ...) ... contrary to what some pro-coders think, I really *did* learn Morse and actually used it considerably in my early days ... because that was the only mode available on HF, period, end of story. Had I been able to use SSB and RTTY and to experiment with other modes (like those I was working on at work, for example) I would have done all of that in a heartbeat and NEVER used Morse again. BECAUSE I NEVER *LIKED* MORSE ... NOT FOR ONE SINGLE MOMENT ... even though at my "peak" I could pretty well copy a QSO at about 20 wpm (roughly, I never measured it with precision, and I, unfortunately, didn't get an opportunity to take a test ar that time, or I'd likely be an extra now ...)

Despite what the code bigots think, none of that makes me "less of a ham."

However, I would submit that *IF* code speed is *REALLY* important then it's *MOST* important that those who are licensed at the highest levels (which, "of course" makes them "the most important" hams) must, OF NECESSITY, be retested first, since if they aren't truly capable of the blazing speeds *REQUIRED* for their higher class of license, they'll obviously do the most serious, irreperable damage to hamdom, the world in general, and the "reputation" of the ARRL, etc. ("IF" this *ISN'T* TRUE then the entire argument that code testing is "necessary" at all falls apart.)

SO, if you want to retest for code, then retest all the cranky, senile, drunken, psycopathic olde fartz on 80m and 20m FIRST ... since less than 40% of the ARRL-surveyed hams EVER use Morse, I doubt that 50% of those lids could pass a spot-check at their "license required" code speed ...

Now, this cuts both ways ... since I voice the opinion that the theory

is the most important part, I'll happily volunteer to be retested in that
area ... I doubt that many of the undesirables I mentioned in the
preceeding paragraph could pass a *decent* technical test either.

> Thanks for expressing a good idea, but I dont think you have gone far
> enough.

Thanks for supporting a good idea ... but I don't think you're suggested
method of application is the most logical ...

Carl - wa6vse
wa6vse@fast.net

From 3000588667247204032
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/14
Message-ID: <01bc6063$de2ab1a0$9895f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 241488700
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <01bc6012$9edea340$68029ace@graham.surfsouth.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Graham <not@public.com> wrote in article
<01bc6012$9edea340$68029ace@graham.surfsouth.com>...
> Cecil A. Moore <cecilmoore@delphi.com> wrote in article
> <336EC4C6.4724@delphi.com>...
> >> Reminds me of a REQUIREMENT back in Texas when I was growing
> > up. All the unwashed masses of no-coders born without a built-
> > in beeper step to the vhf end of the bus. Nope, not allowed up
> > front in the HF section with us lily-white beeping hams.
> >
> > 73, Cecil, W6RCA, OOTC
> >
>
> So now the code is a form of racial discrimination? Boy that's a stretch
> even for you Cecil.
>

> K4XA
> Graham

It's just a means of expressing that the discrimination is "sort of
like" racial discrimination and/or segregation ... i.e. "without
sound basis, unfair, arbitrary, and distasteful."

Go rent a clue ...

Carl - wa6vse
wa6vse@fast.net

From -3551110135739650138
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/14
Message-ID: <01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 241491719
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<01bc5d6c$c3b80740$e390f5ce@wa6vse.fast.net>
<01bc6013$bae75860$68029ace@graham.surfsouth.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Graham <not@public.com> wrote in article
<01bc6013$bae75860$68029ace@graham.surfsouth.com>...
> > the need for modernization)" .... DREAM on ... the olde fartz are dying
> off
> > and the majority of licensees will soon be no-coders ... LEARN TO LIVE
> > WITH IT ...
> >
> > Carl - wa6vse
> > wa6vse@fast.net
>
> Old Farts? That's a broad assumption. I'm only 34. How old are you?
>
> K4XA
> Graham

Actually, Graham, I'm going on 47, but I'm NOT an "olde farte" ... an "old timer" in some people's eyes, perhaps ... almost ready for QCWA in fact ... but NOT an "olde farte"

You, on the other hand, even at 34, appear by the attituded that you express
to be a perfect demonstration that one does not need to be chronologically old to be an "olde farte" ... you see, it's NOT a matter of chronological age at
all, but rather of attitude, openness to new ideas, spirit of exploration/invention,
refusal to accept stagnation, etc.

Yes, Graham, it would appear that, unfortunately, even at your relatively tender
age, you have chosen to figuratively senilify yourself, don a set of blinders that
prevent you from openly considering, accepting, or even tolerating new ideas,
actively lobby for technicological stagnation, and discriminate_against, ridicule,
and shun those who have not (whether forcably or willingly) espoused the same
narrowminded, bigoted philosophy ... YUP, you're an "olde farte."

How sad ... another mind bites the dust ...

Carl - wa6vse
wa6vse@fast.net

p.s. I hestiate to mention it, because it's really a "downside" rather than an
"upside," but since you obviously needed clarification on what constitutes "an olde farte" and since I try to do a thorough and complete job of providing
information when it's requested, I should probably (reluctantly) point out that
all of the above would appear to make you an IDEAL candidate for membership in both the ARRL (that's Archaic Retro Radio Luddites) and FISTS (that's Fanatical Idiots Supporting Technological Stagnation) ... both groups hold views
that correlate with yours and would, I am sure, welcome another olde farte like
you with open arms ...

p.p.s. Enjoy your new life as a "Stepford Ham" ...

From -1576006896713545221
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Cecil Moore <cecil_a_moore@ccm.ch.intel.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/14
Message-ID: <3379E739.5BB2@ccm.ch.intel.com>#1/1
X-Deja-AN: 241523618
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <01bc6012$9edea340$68029ace@graham.surfsouth.com>
Organization: Intel Corp.
Reply-To: cecil_a_moore@ccm.ch.intel.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Graham wrote:
> So now the code is a form of racial discrimination? Boy that's a stretch
> even for you Cecil. K4XA Graham

Hi Graham, I didn't say code testing is a form of "racial" discrimination
although it does remind me of racial/sexual/religious discrimination.

I said it is discriminatory and that's not such a stretch. "...to exclude
those unable or unwilling to learn the code, is *discriminatory*". From the
president and board of directors of Radio Amateurs of Canada, Inc.

Did you happen to have your forsight circumcised at birth?

73, Cecil, W6RCA, OOTC

From 2286417273007924579
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Cecil Moore <cecil_a_moore@ccm.ch.intel.com>
Subject: Re: CW Code Re-testing Requirement
Date: 1997/05/14
Message-ID: <3379E946.929@ccm.ch.intel.com>#1/1
X-Deja-AN: 241523639
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>

<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<3378b6d6.743838@news.mindspring.com> <3379123e.19068257@netnews.worldnet.att.net>
<01bc6063$55b6bf80$9895f5ce@wa6vse.fast.net>
Organization: Intel Corp.
Reply-To: cecil_a_moore@ccm.ch.intel.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Carl R. Stevenson wrote:
> SO, if you want to retest for code, then retest all the cranky, senile,
> drunken, psycopathic olde fartz on 80m and 20m FIRST ...

Hi Carl, I wonder if we could get enough support to cause that to happen?
Instead of bringing criminal charges against those guys for foul language
and interferrence, maybe a mechanism could be set up for requiring hams who
violate the rules of ham radio to be required to re-test at their current
license level or else forfeit their license.

73, Cecil, W6RCA, OOTC

From -6323835949970602392
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/14
Message-ID: <01bc6078$0a1dd300$9895f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 241526651
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kgon1$sge$1@nnrp01.primenet.com>
<01bc58c6$b8925d20$66029ace@graham.surfsouth.com>
<33740d4f.26583817@netnews.worldnet.att.net> <33761AB1.410C@rida.net>
<337663f2.29448272@news.atl.bellsouth.net> <33792BB8.6953@rollanet.nospam.org>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

Demolition Man <demoman@rollanet.nospam.org> wrote in article
<33792BB8.6953@rollanet.nospam.org>...
> This thread sucks major wind.

SImple solution ... don't read it ...

> I am extrememly new to ham radio

Welcome aboard ... but with all politeness intended, this implies
that you don't have the background or experience to recognize
the importance of the debate or the need for change.

> and i think this sucks!

Again, respectfully, simple solution ... don't read it ...

but you might actually benefit from coming to an understanding
of the underlying issues, prejudices, and problems and how
they threaten the very future survival of our service ...

> a.c.t. says the code test is irrelevant and more theory should
> be emplaced. why? what difference does it make? i've got a handful
> of degrees so does a lot of people. the only theory that really
                   ^^^^^^^^^^^^^^^^^^^^^^^^^^

obviously not in English grammar <grin>

> pertains
> to ham radio today is: don't cuss, give your call sign at the designated
> intervals,

if you *really* believe that, then you don't have a clue about why
our service exists and what it's supposed to accomplish ...
(glad to hear you do some building, despite your feeling that
theory knowledge is unimportant)

> people DO buy off the shelf radios and use the spoken
> word when communicating. how much freakin theory does that take?
> relevant topics as i stated before are to not cuss and give you call sign
when
> appropriate. that's all freakin frequencies.

Simply communicating via radio is NOT what ham radio is about,
nor does it take even the tiniest baby-step towards meeting our
charter goals and purpose responsibilities ...

> i became president of our little ham club in Salem, MO. my club
> runs a parallel with this news group. back biting, arrogant and
> no concern for their appearance to prospective hams.

Unfortunately, that's not just your club or this newsgroup ... that's
the the norm in many ways ...

> i'm in favor of code testing so i guess i'm "rabid" too.

not necessarily ...

> but i am
> NOT AGAINST reducing speeds OR other mode testing. some have
> offered up packet and fax etc. that's along my area of expertise as
> my degrees are rooted in the computer arena.

>
> more to the point:
>
> what's wrong with promoting ham radio's worth rather than
> detract from it.

The anti-code-test element is NOT "trying to detract from ham
radio's worth" but rather to enhance it by promoting the modernization
and adoption of new technologies that we so desparately need to
survive into the coming century ...

Carl - wa6vse
wa6vse@fast.net

From -354980422203923028
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Graham" <not@public.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/14
Message-ID: <01bc60ac$edecece0$49029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 241644566
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kgon1$sge$1@nnrp01.primenet.com>
<01bc58c6$b8925d20$66029ace@graham.surfsouth.com>
<33740d4f.26583817@netnews.worldnet.att.net> <33761AB1.410C@rida.net>
<337663f2.29448272@news.atl.bellsouth.net> <33792BB8.6953@rollanet.nospam.org>
<01bc6078$0a1dd300$9895f5ce@wa6vse.fast.net>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

Carl R. Stevenson <wa6vse@fast.net> wrote in article
<01bc6078$0a1dd300$9895f5ce@wa6vse.fast.net>...
> The anti-code-test element is NOT "trying to detract from ham
> radio's worth" but rather to enhance it by promoting the modernization
> and adoption of new technologies that we so desparately need to
> survive into the coming century ...
>
> Carl - wa6vse
> wa6vse@fast.net
>

>

And why is it that we can't "adopt new technologies" and still have a code test?

K4XA
Graham

From 5684005217438272343
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Graham" <not@public.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/14
Message-ID: <01bc60ad$75438820$49029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 241644568
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <01bc6012$9edea340$68029ace@graham.surfsouth.com>
<01bc6063$de2ab1a0$9895f5ce@wa6vse.fast.net>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

> It's just a means of expressing that the discrimination is "sort of
> like" racial discrimination and/or segregation ... i.e. "without
> sound basis, unfair, arbitrary, and distasteful."
> Go rent a clue ...
>
> Carl - wa6vse
> wa6vse@fast.net

The suggestion that its anything like any type of discrimination is asinine.
Also, I rent to own.
K4XA
Graham

From -7101292732237988963
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Graham" <not@public.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/14
Message-ID: <01bc60af$960fea60$49029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 241644585
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<01bc5d6c$c3b80740$e390f5ce@wa6vse.fast.net>
<01bc6013$bae75860$68029ace@graham.surfsouth.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Carl R. Stevenson <wa6vse@fast.net> wrote in article
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>...

-------------------SNIP the same old bull *&%$------------------

What NONE of you people have explained is why we have to drop the code test to adopt "new technology and modernize". I don't understand why you think that can't be done with the code test in place. You can't purchase and use the latest and most advanced equipment because you have to take a code test? How does the code test stop this? Thats what I don't understand. I don't have on blinders and I'm very open minded. The fact that I have put up with your crap for so long is proof of that. OK, this is your shot! Explain it to me. How does the code test requirement prevent me or anyone from using the latest forms of communication technology if we choose to do so? This is an real question and I would like an real answer. Not just another worthless comment. Thanks in advance.

K4XA
Graham

From -7281264676784420396
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Graham" <not@public.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/14

Message-ID: <01bc60b0$a11a57a0$49029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 241644586
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <01bc6012$9edea340$68029ace@graham.surfsouth.com>
<3379E739.5BB2@ccm.ch.intel.com>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Cecil Moore <cecil_a_moore@ccm.ch.intel.com> wrote in article
<3379E739.5BB2@ccm.ch.intel.com>...
> I said it is discriminatory and that's not such a stretch. "...to exclude
> those unable or unwilling to learn the code, is *discriminatory*". From
the
> president and board of directors of Radio Amateurs of Canada, Inc.
>
> Did you happen to have your forsight circumcised at birth?
>
> 73, Cecil, W6RCA, OOTC

Wrong yet another time Cecil! To exclude some who is UNWILLING to learn is
NOT discriminatory. They have CHOSEN not to participate. And for those who
are UNABLE to learn, a system is in place to provide a waiver. So once
again you have demonstrated your inability to use simple logic.

K4XA
Graham

From 8977381860025497881
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Graham" <not@public.com>
Subject: Re: CW Code Re-testing Requirement
Date: 1997/05/14
Message-ID: <01bc60b1$8aa0c080$49029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 241644587
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<3378b6d6.743838@news.mindspring.com> <3379123e.19068257@netnews.worldnet.att.net>
<01bc6063$55b6bf80$9895f5ce@wa6vse.fast.net> <3379E946.929@ccm.ch.intel.com>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Cecil Moore <cecil_a_moore@ccm.ch.intel.com> wrote in article
<3379E946.929@ccm.ch.intel.com>...

> Hi Carl, I wonder if we could get enough support to cause that to happen?
> Instead of bringing criminal charges against those guys for foul language
> and interferrence, maybe a mechanism could be set up for requiring hams
who
> violate the rules of ham radio to be required to re-test at their current

> license level or else forfeit their license.
>
> 73, Cecil, W6RCA, OOTC
>

Hi Cecil,
I have to say kudos to you on this one! I may not agree with allot you say,
but you are correct when it comes to proper operating procedure. You guys
might not like my ideas on code, but I do use proper procedure 100% on the
air. Some of the crap I hear on HF is a disgrace. Good idea.

K4XA
Graham

From 5878587356292105890
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: kd1hz@anomaly.ideamation.com.nospam (Michael P. Deignan)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/14
Message-ID: <5ldmej$bts@anomaly.ideamation.com>#1/1
X-Deja-AN: 241737683
References: <33236044.339E@kerrlake.com> <336EC4C6.4724@delphi.com>
<01bc6012$9edea340$68029ace@graham.surfsouth.com> <3379E739.5BB2@ccm.ch.intel.com>
Organization: The Ace Tomato Company
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <3379E739.5BB2@ccm.ch.intel.com>,
Cecil Moore <cecil_a_moore@ccm.ch.intel.com> wrote:

>I said it is discriminatory and that's not such a stretch. "...to exclude
>those unable or unwilling to learn the code, is *discriminatory*". From the
>president and board of directors of Radio Amateurs of Canada, Inc.

Then, by definition, "...to exclude those unable or unwilling to learn the theory is *discriminatory*".

Repeal the Theory!

MD
--
-- Ted Kennedy has killed more people with his car than I have
-- with my guns.
--
-- If you don't like my opinions, that's just too damn bad.

From -1324323745659954490
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Thomas Foster <tlfoster@ix.netcom.com>
Subject: Re: CW Code Re-testing Requirement
Date: 1997/05/15
Message-ID: <337B1E56.5C7E@ix.netcom.com>#1/1
X-Deja-AN: 241651863
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<3378b6d6.743838@news.mindspring.com> <3379123e.19068257@netnews.worldnet.att.net>
<01bc6063$55b6bf80$9895f5ce@wa6vse.fast.net> <3379E946.929@ccm.ch.intel.com>
<01bc60b1$8aa0c080$49029ace@graham.surfsouth.com>
Organization: Netcom
X-NETCOM-Date: Thu May 15 6:31:21 AM CDT 1997
Reply-To: tlfoster@ix.netcom.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Graham wrote:
>
> Cecil Moore <cecil_a_moore@ccm.ch.intel.com> wrote in article
> <3379E946.929@ccm.ch.intel.com>...
>
> > Hi Carl, I wonder if we could get enough support to cause that to happen?
> > Instead of bringing criminal charges against those guys for foul language
> > and interferrence, maybe a mechanism could be set up for requiring hams
> who
> > violate the rules of ham radio to be required to re-test at their current
>
> > license level or else forfeit their license.
> >
> > 73, Cecil, W6RCA, OOTC
> >

> Hi Cecil,
> I have to say kudos to you on this one! I may not agree with allot you say,
> but you are correct when it comes to proper operating procedure. You guys
> might not like my ideas on code, but I do use proper procedure 100% on the
> air. Some of the crap I hear on HF is a disgrace. Good idea.
>
> K4XA
> Graham

Hi, Cecil.

I, too, think this idea is excellent. Now here is a cause on which we
can all expend some concerted energy!

Best regards,
Lindsay Foster
WA4ISZ

From -8382337654063096815
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/15
Message-ID: <01bc6121$0bc4e780$6790f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 241663843
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <01bc6012$9edea340$68029ace@graham.surfsouth.com>
<01bc6063$de2ab1a0$9895f5ce@wa6vse.fast.net>
<01bc60ad$75438820$49029ace@graham.surfsouth.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Graham <not@public.com> wrote in article
<01bc60ad$75438820$49029ace@graham.surfsouth.com>...
> > It's just a means of expressing that the discrimination is "sort of
> > like" racial discrimination and/or segregation ... i.e. "without
> > sound basis, unfair, arbitrary, and distasteful."
> > Go rent a clue ...
> >
> > Carl - wa6vse
> > wa6vse@fast.net

>
> The suggestion that its anything like any type of discrimination is
> asinine.
> Also, I rent to own.
> K4XA
> Graham

Your assertion that there is no discrimination WRT code and that
my assertion that there is is "asinine" is akin to a white plantation
owner of old asserting that his slaves "are quite content with their
lot in life, are treated well, and wouldn't know what to do or how to
take care of themselves were it not for his (their master's) magnificent
generosity and benevolence in seeing that they were cared for, fed,
and had the means to earn their keep."

Seems your application for credit on your lease has been denied ...
(sorry, not clue for rent to you)

Carl - wa6vse
wa6vse@fast.net

From -1280332411408947621
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/15
Message-ID: <01bc6124$c7d25ae0$6790f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 241667578
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<01bc5d6c$c3b80740$e390f5ce@wa6vse.fast.net>
<01bc6013$bae75860$68029ace@graham.surfsouth.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Graham <not@public.com> wrote in article
<01bc60af$960fea60$49029ace@graham.surfsouth.com>...
> Carl R. Stevenson <wa6vse@fast.net> wrote in article
> <01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>...

>
> ------------------SNIP the same old bull *&%$-----------------
>
> What NONE of you people have explained is why we have to drop the code
test
> to adopt "new technology and modernize".

The two subjects are interrelated in a way that I strongly suspect is
beyond
the intellectual capacity of those of you with such deep Pavlovian
conditioning
to absorb and comprehend ... however, they ARE interrelated.

> I don't understand why you think
> that can't be done with the code test in place.

First and foremost, the whole "beeping is the best and highest method
of communicating by radio" myth has to be soundly destroyed, since
it's patently false and generates a LOT of bad attitudes towards hams
(from the public), amongst hams (the way beepers look down on non-
beepers, and the resulting resentment), and in many other ways.

> You can't purchase and use
> the latest and most advanced equipment because you have to take a code
> test?

Again ... try to find somewhere to at least rent or borrow a clue ... you
can't
just "go out and purchase and use the latest and most advanced equipment"
period ... you have to design and build it ...   at the pace at which
technology
is moving, by the time even the newest commerial product *is* a commercial
product, it's virtually outdated ... this is why we need more folks who
have a
clue about technology and fewer beepers, yackers, and gamers (whose
[incorrect] idea of the "purpose of ham radio" is to support whichever
of the previously enumerated activities they prefer, regardless of how
inane)

> How does the code test stop this? Thats what I don't understand.

By keeping out the technically-inclined folks who could design and build
(and teach others to at least build and use) the advanced equipment and
modes that we need for the future ...

> I don't have on blinders and I'm very open minded.

Sorry ... I see NO evidence of the veracity of these claims ... if not
blinders, perhaps welder's goggles at the bottom of a deep well at
midnight???

> Explain it to me. How does the code test requirement prevent me or anyone
> from using the latest forms of communication technology if we choose to

do
> so? This is an real question and I would like an real answer. Not just
> another worthless comment. Thanks in advance.

OK, I'll take this slow and easy for ya ...

First, you can't use what doesn't exist.

2nd, to develop what doesn't exist you need people who know HOW to develop what doesn't exist (and even to recognize what's needed).

3rd, the people refered to in (2) are kept out of ham radio in large numbers
by the antiquated, distasteful, Morse hazing ritual that many coded hams insist must be maintained at all costs ...

4th, this policy of technological stagnation has already harmed ham radio seriously and, in fact, threatens our future survival as a viable FCC radio service in the coming century because it has resulted in our service NOT MEETING the vast majority of its' regulatory raisons d'etre. (if we don't "get a move on" the FCC will likely decide that we're not worth the spectral
investment they've made, take our bands back, and auction them off to someone who will make FAR better public interest use of them.)

This concludes the *real* answer ... at least the short-form version of it ..
you're welcome.

I sincerely hope that you will consider these comments in a thoughtful manner, perferably in the light of reality, outside of the well, at high noon, and without the welder's goggles ...

Carl - wa6vse
wa6vse@fast.net

From -2130828345207364921
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/15
Message-ID: <01bc6125$e2e872a0$6790f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 241669225
References: <33236044.339E@kerrlake.com> <336EC4C6.4724@delphi.com>

<01bc6012$9edea340$68029ace@graham.surfsouth.com> <3379E739.5BB2@ccm.ch.intel.com>
<5ldmej$bts@anomaly.ideamation.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Michael P. Deignan <kd1hz@anomaly.ideamation.com.nospam> wrote in article
<5ldmej$bts@anomaly.ideamation.com>...

BEGIN PROGRAM (deny reality);

<INCLUDE: "std.bogus.pro-code.rantings">

> Then, by definition, "...to exclude those unable or unwilling to learn
the
> theory is *discriminatory*".

CALL (red.herring.favorite)

> Repeal the Theory!

RETURN (to.procode.fantasy.world; time.parameter = (present.time - 30
years));

LOOP (until.hell.freezes.over .or. rational.thought.prevails);

From -4180477180948470551
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Gordon Eade" <n7ei@ctaz.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/15
Message-ID: <01bc6145$a8ed6860$7ba255ce@Gordon.ctaz.com>#1/1
X-Deja-AN: 241731240
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-ixn10.ix.netcom.com> <336CF780.15C5@delphi.com>
<01bc5da8$d06fad80$bf95f5ce@wa6vse.fast.net>
Organization: Citizens Utility
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

CW is the language spoken by hams all over the world and those who restrict their ham activities to the voice portion of the bands are missing part of the ham radio experience. Many CW contacts world wide are between hams who cannot communicate in the voice because of language barriers.

In some respects it is the written portions of the current exams that are more obsolete than the code requirement.

If you really want to get the cry babies made lets put in the requirement for US. operators only to learn and become proficient in american morse as well as the international morse code for the higher classes of liscenses.

The advanced class morse code requirement should be raised to 20 wpm and the extra to 40 wpm. The code heard on the extra class portions of the band is just awful and raising the requirements would help.

From -5315456486632325648
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/15
Message-ID: <01bc6146$56ee6400$b290f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 241739398
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee> <3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net> <5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com> <5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com> <336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-ixn10.ix.netcom.com> <336CF780.15C5@delphi.com> <01bc5da8$d06fad80$bf95f5ce@wa6vse.fast.net> <01bc6145$a8ed6860$7ba255ce@Gordon.ctaz.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

I'm sorry, but I'm laughing so hard I can't hardly type ...
how absurd ... you MUST be joking, right???

Carl - wa6vse
wa6vse@fast.net

Gordon Eade <n7ei@ctaz.com> wrote in article
<01bc6145$a8ed6860$7ba255ce@Gordon.ctaz.com>...
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restrict
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requirement
> for US. operators only to learn and become proficient in american morse
as
> well as the international morse code for the higher classes of liscenses.
>
> The advanced class morse code requirement should be raised to 20 wpm and
> the extra to 40 wpm. The code heard on the extra class portions of the
> band is just awful and raising the requirements would help.

From -8269316753544344665
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Cecil Moore <cecil_a_moore@ccm.ch.intel.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/15
Message-ID: <337B3E67.1674@ccm.ch.intel.com>#1/1
X-Deja-AN: 241743665
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<01bc5d6c$c3b80740$e390f5ce@wa6vse.fast.net>
<01bc6013$bae75860$68029ace@graham.surfsouth.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com>
Organization: Intel Corp.
Reply-To: cecil_a_moore@ccm.ch.intel.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Graham wrote:

> Explain it to me. How does the code test requirement prevent me or anyone
> from using the latest forms of communication technology if we choose to do
> so? This is an real question and I would like an real answer.

Hi Graham, real answer. I work with a guy who designs the latest forms of communication technology and he is prevented from putting them on the air on the HF ham bands by the code test requirement and some other silly rules.

73, Cecil, W6RCA, OOTC

```
From -7896741878685460610
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Cecil Moore <cecil_a_moore@ccm.ch.intel.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/15
Message-ID: <337B3FCF.3203@ccm.ch.intel.com>#1/1
X-Deja-AN: 241745939
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <01bc6012$9edea340$68029ace@graham.surfsouth.com>
<3379E739.5BB2@ccm.ch.intel.com> <01bc60b0$a11a57a0$49029ace@graham.surfsouth.com>
Organization: Intel Corp.
Reply-To: cecil_a_moore@ccm.ch.intel.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
```

Graham wrote:

> So once again you have demonstrated your inability to use simple logic.

Seems you missed the point. I didn't write that. The president and board members of the Radio Amateurs of Canada, Inc. wrote that. And for your information, I make my living designing logic, sometimes simple, but often quite complex. I hold patents in the field of logic design. How 'bout we replace the code test with a boolean algebra test. How would you do?

73, Cecil, W6RCA, OOTC

From -7567728883938773761
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Cecil Moore <cecil_a_moore@ccm.ch.intel.com>
Subject: Re: CW Code Re-testing Requirement
Date: 1997/05/15
Message-ID: <337B4083.3AB2@ccm.ch.intel.com>#1/1
X-Deja-AN: 241745979
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<3378b6d6.743838@news.mindspring.com> <3379123e.19068257@netnews.worldnet.att.net>
<01bc6063$55b6bf80$9895f5ce@wa6vse.fast.net> <3379E946.929@ccm.ch.intel.com>
<01bc60b1$8aa0c080$49029ace@graham.surfsouth.com>
Organization: Intel Corp.
Reply-To: cecil_a_moore@ccm.ch.intel.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Graham wrote:
> I have to say kudos to you on this one! I may not agree with allot you say,
> but you are correct when it comes to proper operating procedure.

Hi Graham, it's not always obvious, but I'll bet we agree on 99.98% of
the things in this world. I'll bet we're both against smallpox.

73, Cecil, W6RCA, OOTC

From 3804394994411439868
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: markv@pixar.com (Mark VandeWettering)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/15
Message-ID: <5lfi0d$13o@pixar.com>#1/1
X-Deja-AN: 241755268
References: <33236044.339E@kerrlake.com> <33761AB1.410C@rida.net> <5l5jc5$4c4@dfw-ixnews9.ix.netcom.com> <33776D3F.5B4E@lni.net>
Organization: Pixar

Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <33776D3F.5B4E@lni.net>, Greg Emerson <gregemmy@lni.net> wrote:
>Gerald Schmitt wrote:

>So what about the people that have a hard time with theory? I know
>people who had an easy time with the code but a bear of a time with the
>theory. Why shouldn't they be crying "get rid of the theory and make the
>code tests harder"!

Well, there is one major difference. The charter of amateur radio calls
for advancing the state of the art. It would be difficult to advance the
state of the art if one did not even know the basics of radio construction
and design now, wouldn't it?

Nobody I know who is against mandatory code testing thinks that the
theory test needs to be done away with, this is yet another red herring
tossed out by people who use inflammatory remarks like "welfare ham
licenses". Many think the theory exams should be harder.

Mark KF6KYI (another welfare ham, but not for long)
--
Mark T. VandeWettering   Telescope Information (and more)
Email: <markv@pixar.com>   http://www.idle.com/~markv/

From -4827166732078699053
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Cecil Moore <cecil_a_moore@ccm.ch.intel.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/15
Message-ID: <337B4B87.71B4@ccm.ch.intel.com>#1/1
X-Deja-AN: 241755413
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-ixn10.ix.netcom.com> <336CF780.15C5@delphi.com>
<01bc5da8$d06fad80$bf95f5ce@wa6vse.fast.net>
<01bc6145$a8ed6860$7ba255ce@Gordon.ctaz.com>
Organization: Intel Corp.
Reply-To: cecil_a_moore@ccm.ch.intel.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Gordon Eade wrote:
> CW is the language spoken by hams all over the world ...

Hi Gordon, How can you expect anyone to take you seriously when you start
your posting with a falsehood? CW is a method of encoding - CW is not a
language. I have a list of all known languages - CW or Morse code is not
on it. Neither is ASCII, another encoding method.

73, Cecil, W6RCA, OOTC

From 128454927200773221
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Cecil Moore <cecil_a_moore@ccm.ch.intel.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/15
Message-ID: <337B3D60.68B7@ccm.ch.intel.com>#1/1
X-Deja-AN: 241755442
References: <33236044.339E@kerrlake.com> <336EC4C6.4724@delphi.com>
<01bc6012$9edea340$68029ace@graham.surfsouth.com> <3379E739.5BB2@ccm.ch.intel.com>
<5ldmej$bts@anomaly.ideamation.com>
Organization: Intel Corp.
Reply-To: cecil_a_moore@ccm.ch.intel.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Michael P. Deignan wrote:
> Then, by definition, "...to exclude those unable or unwilling to learn the
> theory is *discriminatory*". Repeal the Theory!

So you know two definitions of "discriminatory", so what?

73, Cecil, W6RCA, OOTC

From 7278080535749280734
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: billsohl@planet.net (Bill Sohl)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/15

Message-ID: <5leo20$71d@jupiter.planet.net>#1/1
X-Deja-AN: 241765858
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kgon1$sge$1@nnrp01.primenet.com>
<01bc58c6$b8925d20$66029ace@graham.surfsouth.com>
<33740d4f.26583817@netnews.worldnet.att.net> <33761AB1.410C@rida.net>
<337663f2.29448272@news.atl.bellsouth.net> <33792BB8.6953@rollanet.nospam.org>
<01bc6078$0a1dd300$9895f5ce@wa6vse.fast.net>
<01bc60ac$edecece0$49029ace@graham.surfsouth.com>
Organization: BL Enterprises
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

"Graham K4XA" <not@public.com> wrote:

>Carl R. Stevenson <wa6vse@fast.net> wrote in article
><01bc6078$0a1dd300$9895f5ce@wa6vse.fast.net>...
>> The anti-code-test element is NOT "trying to detract from ham
>> radio's worth" but rather to enhance it by promoting the modernization
>> and adoption of new technologies that we so desparately need to
>> survive into the coming century ...

>And why is it that we can't "adopt new technologies" and still have a code
>test?

Because there's no reason to retain the code test anymore.

Bill Sohl K2UNK
ARRL Local Gov't Liaison, Mt. Olive Township, NJ
Visit the No-Code WEB site: http://www.nocode.org

From 3362455192877740401
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: billsohl@planet.net (Bill Sohl)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/15
Message-ID: <5lep31$75d@jupiter.planet.net>#1/1
X-Deja-AN: 241768383
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<01bc5d6c$c3b80740$e390f5ce@wa6vse.fast.net>

```
<01bc6013$bae75860$68029ace@graham.surfsouth.com>
<01bc6066$6f7b1800$9895f5ce@wa6vse.fast.net>
<01bc60af$960fea60$49029ace@graham.surfsouth.com>
Organization: BL Enterprises
Newsgroups: rec.radio.amateur.policy,rec.ham-radio
```

rec.radio.amateur.misc deleted from distribution as inappopriate.

"Graham" <not@public.com> wrote:

> What NONE of you people have explained is why we have to drop the code test
> to adopt "new technology and modernize".

I don't (but don't stop reading here).

> I don't understand why you think
> that can't be done with the code test in place. You can't purchase and use
> the latest and most advanced equipment because you have to take a code
> test? How does the code test stop this?

In a pure sense, it doesn't. What some suggest is that the continued imposition of the CW requirement serves as an arbitrary and unjustifiable barrier to many people (especially those already technically comepetent) to become hams with HF licenses.

> OK, this is your shot!
> Explain it to me. How does the code test requirement prevent me or anyone
> from using the latest forms of communication technology if we choose to do
> so? This is an real question and I would like an real answer. Not just
> another worthless comment. Thanks in advance.

Same comment as above.

Now, having said that, I'll note that from my personal perspective, that is not a reason to eliminate code because it is just as speculative as the procode test advocates claiming the morse test is a good filter against the unwashed and unwanted.

From my point of view, it is only necessary to point out that their is no longer any valid, rational and/or compelling reason to retain morse testing. As soon as both sides abandon any reasons that fall into the speculative (i.e. unprovable) arena, you then get to the crux of the issue which leaves code testing in the indefensible position it now is.

Bill Sohl K2UNK
ARRL Local Gov't Liaison, Mt. Olive Township, NJ
Visit the No-Code WEB site: http://www.nocode.org

```
From -4382142735099775680
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Future enforcement issues ... (was part of code/no-code)
Date: 1997/05/15
Message-ID: <01bc6120$023affc0$6790f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 241781749
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<3378b6d6.743838@news.mindspring.com> <3379123e.19068257@netnews.worldnet.att.net>
<01bc6063$55b6bf80$9895f5ce@wa6vse.fast.net> <3379E946.929@ccm.ch.intel.com>
<01bc60b1$8aa0c080$49029ace@graham.surfsouth.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio


Graham <not@public.com> wrote in article
<01bc60b1$8aa0c080$49029ace@graham.surfsouth.com>...
> Cecil Moore <cecil_a_moore@ccm.ch.intel.com> wrote in article
> <3379E946.929@ccm.ch.intel.com>...
>
> > Hi Carl, I wonder if we could get enough support to cause that to
happen?
> > Instead of bringing criminal charges against those guys for foul
language
> > and interferrence, maybe a mechanism could be set up for requiring hams
> who
> > violate the rules of ham radio to be required to re-test at their
current
>
> > license level or else forfeit their license.
> >
> > 73, Cecil, W6RCA, OOTC
> >
> Hi Cecil,
> I have to say kudos to you on this one! I may not agree with allot you
say,
> but you are correct when it comes to proper operating procedure. You guys
> might not like my ideas on code, but I do use proper procedure 100% on
the
> air. Some of the crap I hear on HF is a disgrace. Good idea.
>
> K4XA
> Graham

The only problem that I have with *any* enforcement measure is that, with
```

the FCC "out of the enforcement" business, who's going to play "radio cop"
and how do we assure that "justice" is metered out in a fair and
even-handed
manner ... I sure as hell don't trust the ARRL enough ... and I certainly
would
never vote in favor of giving them that sort of "power" ... they've done
far too
much damage to the ARS already without power ...

Regardless of code/no-code, technical issues, or anything else, one thing
that the ham community also needs to come to grips with is developing
some sort of way to actually see that the rules are enforced and that the
sociopaths that do slip through the licensing process are eliminated ...

Carl - wa6vse
wa6vse@fast.net

From 1130508948054765294
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: billsohl@planet.net (Bill Sohl)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/15
Message-ID: <5lg1c1$cm4@jupiter.planet.net>#1/1
X-Deja-AN: 241795518
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-ixn10.ix.netcom.com> <336CF780.15C5@delphi.com>
<01bc5da8$d06fad80$bf95f5ce@wa6vse.fast.net>
<01bc6145$a8ed6860$7ba255ce@Gordon.ctaz.com>
Organization: BL Enterprises
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

rec.radio.amateur.misc deleted as inappropriate.

"Gordon Eade" <n7ei@ctaz.com> wrote:
>CW is the language spoken by hams all over the world and those who restrict
>their ham activities to the voice portion of the bands are missing part of
>the ham radio experience.

The same can be said about any aspect of ham radio.

> Many CW contacts world wide are between hams who

>cannot communicate in the voice because of language barriers.

And that means what?

>In some respects it is the written portions of the current exams that are
>more obsolete than the code requirement.

Perhaps you can provide a few examples of why the written in
any respect is more obsolete?

>If you really want to get the cry babies made lets put in the requirement
>for US. operators only to learn and become proficient in american morse as
>well as the international morse code for the higher classes of liscenses.

Thankfully the idiocy and total lack of reason in that statement shuld
be self evident to anyone.

>The advanced class morse code requirement should be raised to 20 wpm and
>the extra to 40 wpm. The code heard on the extra class portions of the
>band is just awful and raising the requirements would help.

Help what?

Bill Sohl K2UNK
ARRL Local Gov't Liaison, Mt. Olive Township, NJ
Visit the No-Code WEB site: http://www.nocode.org

From 8723084834965997128
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: kd1hz@anomaly.ideamation.com.nospam (Michael P. Deignan)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/15
Message-ID: <5lfom0$eei@anomaly.ideamation.com>#1/1
X-Deja-AN: 241797327
References: <01bc6125$e2e872a0$6790f5ce@wa6vse.fast.net>
Organization: The Ace Tomato Company
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <01bc6125$e2e872a0$6790f5ce@wa6vse.fast.net>, Carl R. Stevenson <wa6vse@fast.net> wrote:

[usual stream of personal insults deleted]

You're starting to get boringly predictable with the insults again, Carl. I think you need to refresh your random number generator before you pick up a standard insult out of your insult database.

MD
--
-- Ted Kennedy has killed more people with his car than I have
-- with my guns.
--
-- If you don't like my opinions, that's just too damn bad.

```
From 5769300085043987837
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Demolition Man <demoman@rollanet.nospam.org>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/15
Message-ID: <337B85CF.2468@rollanet.nospam.org>
X-Deja-AN: 241800442
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kgon1$sge$1@nnrp01.primenet.com>
<01bc58c6$b8925d20$66029ace@graham.surfsouth.com>
<33740d4f.26583817@netnews.worldnet.att.net> <33761AB1.410C@rida.net>
<337663f2.29448272@news.atl.bellsouth.net> <33792BB8.6953@rollanet.nospam.org>
<01bc6078$0a1dd300$9895f5ce@wa6vse.fast.net>
Organization: FLASH Security & Communications
Reply-To: http://www.rollanet.org/~demoman/
Newsgroups: rec.radio.amateur.policy,rec.ham-radio
```

> > This thread sucks major wind.
>
> SImple solution ... don't read it ...
>

yeah, don't read the single most posted thread.... ok

> > I am extrememly new to ham radio
>
> Welcome aboard ... but with all politeness intended, this implies
> that you don't have the background or experience to recognize
> the importance of the debate or the need for change.

>
you get to vote the first day you're 18. you get cast your vote
on ham topics in like manner

> > and i think this sucks!
>
> Again, respectfully, simple solution ... don't read it ...
>
> but you might actually benefit from coming to an understanding
> of the underlying issues, prejudices, and problems and how
> they threaten the very future survival of our service ...
>
that, if you understood my post at all, is the focal point
of my soap-boxing. both sides are killing interest with all the
things you've mentioned above.

> > of degrees so does a lot of people. the only theory that really
>   ^^^^^^^^^^^^^^^^^^^^^^^^^^
> obviously not in English grammar <grin>
>
true

does/do

syntax took a backseat on my secondary ed. minor.

> > pertains
> > to ham radio today is: don't cuss, give your call sign at the designated
> > intervals,
>
> if you *really* believe that, then you don't have a clue about why
> our service exists and what it's supposed to accomplish ...

yeah, ok again. try reading the my post again after shrugging the
shackles of a "two party" "service". i was merely stating the obvious.
getting my w.a.s. i heard little else. i took the easy way i guess and
ran the gambit, 160m - 10m.

> (glad to hear you do some building, despite your feeling that
> theory knowledge is unimportant)
>
now there's a grammar lesson. unimportant and irrelevant are not listed
as synonyms by roget. no-code says code is irrelevant AND unimportant
due to it's antiquated nature. i merely stated that the same or higher
ratio of unused theory exists in ham radio. my theory credentials
are pretty good but not the issue here. now a "little" building strikes
a more personal note but i'm sure that was not intended. my multicast
repeater system is the pride of s.c. MO and certainly mine. all built
or
assembled by me. the club has it's own 2m machine that it supports.

> > people DO buy off the shelf radios and use the spoken
> > word when communicating. how much freakin theory does that take?

> > relevant topics as i stated before are to not cuss and give you call sign
> when
> > appropriate. that's all freakin frequencies.
>
> Simply communicating via radio is NOT what ham radio is about,
> nor does it take even the tiniest baby-step towards meeting our
> charter goals and purpose responsibilities ...
>

didn't say it was, just pointed out what's out there. i studied
the same manuals. my station was the ONLY one in dent county that
could assist the local relief authorities when the entire town lost
power
for a little over 18 hours. [that's the best anecdote i have barring
charity and non RF related community work] i was doing what ham radio
is about before i knew what ham radio was, so i am enlightened to some
degree.

> > i became president of our little ham club in Salem, MO. my club
> > runs a parallel with this news group. back biting, arrogant and
> > no concern for their appearance to prospective hams.
>
> Unfortunately, that's not just your club or this newsgroup ... that's
> the the norm in many ways ...
>
> > i'm in favor of code testing so i guess i'm "rabid" too.
>
> not necessarily ...
>
> > but i am
> > NOT AGAINST reducing speeds OR other mode testing. some have
> > offered up packet and fax etc. that's along my area of expertise as
> > my degrees are rooted in the computer arena.
> >
> > more to the point:
> >
> > what's wrong with promoting ham radio's worth rather than
> > detract from it.
>
> The anti-code-test element is NOT "trying to detract from ham
> radio's worth" but rather to enhance it by promoting the modernization
> and adoption of new technologies that we so desparately need to
> survive into the coming century ...
>

again, read the post. to clarify what must have been obscure, i was
commenting on how easily the debate can and has detracted from ham
radio. i did not single out either side as being right or wrong.
i did state my opinion at the end but not in a way as to cast blame
on any other view.

lot's of non hams lurk these groups, i merely wanted to bring to light
the need for a positive debate on BOTH sides rather than a negative one.
it's takes little experience for that.

i'm sure i've quoted far too much and for that i apologize to the
ever present bandwith ;)
--
A.C.Curtis
KB0WLF

mailto:demoman@rollanet.org
http://www.rollanet.org/~demoman/

From -8142961972573117122
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: cphillips@pobox.com (Curt Phillips)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/16
Message-ID: <5lgqaq$5rp@redstone.interpath.net>#1/1
X-Deja-AN: 241838552
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee> <3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net> <5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com> <5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com> <336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-ixn10.ix.netcom.com> <336CF780.15C5@delphi.com> <01bc58eb$33bfd4e0$74029ace@graham.surfsouth.com> <01bc5956$e2ad50c0$783b8080@cbx-nt> <33716880.1E6F@delphi.com>
Organization: The Gizmonic Institute
Reply-To: cphillips@pobox.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

"Cecil A. Moore" <cecilmoore@delphi.com> wrote:
>Christopher Cox wrote:
>> It is strange to note the really talented Amateur's I know hold Advanced
>> tickets, not Extra. Never did ask them why they stopped.
>Hi Christopher, not that I'm talented, but if you take the privileges
>in kHz and divide by the wpm requirement, you will see that the advanced
>class license gives the most privileges for the least amount of effort.
>I could pass the extra written exam and probably pass a 20 wpm multiple
>guess Morse code exam but why bother?

It's so interesting to see the code/no-code debate still going.
It's one constant in a changing world. :-)

I was licensed in 1968, and held an Advanced Class license from 1970 to
1995. For me, although I always "intended" to upgrade to Extra
"eventually," the real incentive was a 1x2 call. I've always wanted a 1x2,

and that was what it took to get me to upgrade. I even got my initials, so it was really worth the effort for me.

Whether I am talented or untalented, I'm not really more or less so since I upgraded. That observation sounds like a swipe at 20 wpm, and evidence that the observer just doesn't know enough Extra Class hams to make such a judgement.

As for the code and code testing, I have generally been a traditionalist and up until last time a no-code license was proposed, I opposed a no-code license. Finally, the last time I supported the no-code license and it passed (and no doubt, my support was critical in causing it to pass :-)

I have several friends who are highly skilled engineers in electronics, and they always said the code was preventing them from getting a license. And, as soon as the code requirement was dropped, they got their license. I'd certainly say that ham radio is better off for them being licensed.

During the aftermath of Hurricane Fran, I worked in several emergency operations side-by-side with "no-code" Techs. They did a great job, and we needed them. So again, ham radio is better for their being hams... code or not.

Because of the International requirement, I'm not sure totally eliminating the code would be appropriate, but I'd advocate 5 wpm General. They would "know the code" to meet the International requirement, but 5 wpm is little more that just having memorized the code. If the International requirement was dropped, I'd be for a no-code General.

Put Advanced at 10 wpm... General has HF privileges, so to get extra frequencies a knowledge of code wouldn't be out of place. However, in the interest of reducing the number of license classes, I wouldn't even mind them eliminating the Advanced Class license, and adding those freqs to the General privileges.

For Extra, leave it a 20 wpm. You can have a lot of fun and do a lot of HF operating without the Extra Class freqs (as I did for 25 years), so Extra would just be a reward for extra technical knowledge and supporting ham radio tradition. I wouldn't even care if the Extra class band segments were shrunk a little.

Maybe a license structure like:

Tech   (for operations above 30MHz); no code
General (Tech with HF freqs); no code or slow code (5 wpm)
Extra (mostly an honorary license class, with 20 wpm retained)

HOWEVER, IMHO the technical tests should be increased in difficultly, and the publishing of the question pool should stop. It's just too easy to memorize the answers now.

After one night of reviewing the manual, and I passed Extra theory and missed only one question (and I had somehow missed reading the page it was on). I'm an engineer, but an ME not a EE, and even though

I'd been a ham for 25 years, it should have been more difficult than that.

In technical tests, one of the things that makes you learn the material more thoroughly is the fact that you don't know how the test maker will try to "trip you up." However, with the amateur tests you DO know exactly how the questions will be framed. So you can create arbitrary "rules of thumb" that will work for the test, but not for all of the circumstances in real life. Not good.
And I'd definitely be in favor of more questions on digital modes.

So there, I've added a little fuel to keep the debate churning for a while longer. :-)

```
--
=========== Opinions expressed are solely those of the author ==========
Curt Phillips, CEM W4CP exKD4YU;WB4LHI| They that can give up essential
Engineer/ Writer/ Gadgeteer/ Raconteur| liberty to obtain a little
Chairman, Tar Heel Scanner/SWL Group  | temporary safety deserve neither
ARRL Life; QCWA; Raleigh ARS; NRA; AEE|liberty nor safety. -Ben Franklin
==== cphillips@pobox.com ====== [Copyright 1997 All rights reserved]====
```

From -5476312191436305836
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: tbryant@cannet.com (T.L.Bryant)
Subject: Re: CW Code Re-testing Requirement
Date: 1997/05/16
Message-ID: <5lhnhl$f2i@dolphin.cannet.com>#1/1
X-Deja-AN: 241914671
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee> <3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net> <5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com> <3378b6d6.743838@news.mindspring.com> <3379123e.19068257@netnews.worldnet.att.net>
Organization: cannet.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

:I am, for one, in favor of re-testing to renew ham tickets, but let's
:not stop at retesting for CW only.... I would go along with retesting
:theory and cw (at all speeds and all levels) anytime that I want to
:renew my ticket. Certainly, we should start with retesting at 5 wpm so
:that those that cannot send/receive at 5wpm are weeded out first.
:
:Thanks for expressing a good idea, but I dont think you have gone far
:enough.

:
:73s,
:Vince

On a few rare occassions, the FCC has re-tested in an effort to get a few malicious individuals off of the air. I can only think of one time in the past ten years that this has been done.

Tom - N8ECW

From 271934891389668507
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: kd1hz@anomaly.ideamation.com.nospam (Michael P. Deignan)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <5l4rf8$c51@anomaly.ideamation.com>#1/1
X-Deja-AN: 240883312
References: <33236044.339E@kerrlake.com> <01bc58eb$33bfd4e0$74029ace@graham.surfsouth.com> <5kjku3$7lc@sjx-ixn6.ix.netcom.com> <01bc5da9$73ee8940$bf95f5ce@wa6vse.fast.net>
Organization: The Ace Tomato Company
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <01bc5da9$73ee8940$bf95f5ce@wa6vse.fast.net>,
Carl R. Stevenson <wa6vse@fast.net> wrote:

[blah blah blah, yada yada yada... same old $#!+]

>"lid" is another term that comes to mind when I read ...
...
>Carl - wa6vse
>wa6vse@fast.net

Yup, Carl's back. rec.radio.amateur.* was relatively insult-free for a week or so... Since Carl's return, I've counted 5 postings today alone with personal insults directed at other posters. C'est la vie. Some things will never change...

MD
--
-- Ted Kennedy has killed more people with his car than I have
-- with my guns.

```
--
--  If you don't like my opinions, that's just too damn bad.



From 8868457682794223592
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <01bc5e32$d62117c0$5c9cf5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 240893687
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
<5kv5vb$qbc@sjx-ixn7.ix.netcom.com> <337362E0.2F6B@ccm.ch.intel.com>
<5l2c8p$is0$1@nnrp01.primenet.com> <3375E8E0.5F5A@delphi.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio


Cecil A. Moore <cecilmoore@delphi.com> wrote in article
<3375E8E0.5F5A@delphi.com>...
> CrACKeD wrote:
> > You can kick off the list with me on top, then you can visit No-Code
> > International on the web and add a few more hundred to the list, to
start.
>
> Are you truly advocating treating CW like spark and outlawing it?

No, Cecil, I don't believe he his ... I have yet to see a no-code-test
advocate who wanted to outright ban the use of Morse ... that's a
red herring that the pro-coders throw up once in a while ... nothing
more ...

> The
> question is, should qualified hams be free to use CW or not as they
choose?

Of course ... that's all we want ... where "qualified" means "technically
qualified" not "able to beep at fast rates" ...

> To the best of my knowledge, No-Code International wants to eliminate
> Morse code *testing*, not make it illegal to use CW. If you want to use
the
> force of the federal government to outlaw CW, you are worse than the
```

> most rabid pro-coder. I don't hear anybody advocating outlawing all the
> other modes except CW.

Nor we other no-code-test advocates advocating outlawing the use of Morse
by those who wish to use it ...

> For all the rational reasons that the pro-code crowd give for maintaining
> the code-testing requirement,

I haven't ever seen one of those ...

> I consider CW operation a useful skill to
> possess and advocate that every ham learn that skill.

Adovcating and forcing are two different animals ... everyone is free to
advocate
whatever you like, but that doesn't give anyone the right to force their
desires
or their favorite mode on everone else ...

> As time permits, I
> am in the process of trying to get my Morse code speed up to 20 wpm. In
> that respect, I am a member of the pro-code crowd.

Fine an wonderful ... you *choose* to pursue that because you want to ...
if someone held a virtual gun to your head and said "do it or else ..." I'm
pretty sure you'd resent it and feel it inappropriate and oppressive ...

> I am also a member of
> the anti-code-testing crowd because I oppose *all* welfare-state
subsidies.
> I consider both of the following to be evils that should not exist:
>
> 1. Using the threat of force from the federal government to subsidize
> Morse code testing.

Agreed ...

> 2. Using the threat of force from the federal government to outlaw CW.

Also agreed ...

> CW testing is the evil,
> not the CW mode. Don't throw out the baby with the bath water.

Agreed ... I never proposed that we should, nor would I support such
a proposal ...

Carl - wa6vse
wa6vse@fast.net

```
From 3956012380038281191
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <01bc5e39$89d648c0$5c9cf5ce@wa6vse.fast.net>
X-Deja-AN: 240900690
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <336FE0CE.14E3@calweb.com>
<3370ADAC.4BAA@ccm.ch.intel.com> <33712D9E.17BF@calweb.com>
<01bc5d9b$c012c1a0$bf95f5ce@wa6vse.fast.net> <3375200D.58FC@calweb.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio



---------
> From: Bob Miller <bmiller@calweb.com>
> To: Carl R. Stevenson <wa6vse@fast.net>
> Subject: Re: CW should die, not the "hobby"
> Date: Saturday, May 10, 1997 8:25 PM
> > >       What most of the critics of code requirements seem to miss
> > > or dismiss is the highly romantic nature of the hobby.
> >
> > Have you been sniffing that solder flux solvent again or what???
> >
>
>    Well, it had to happen sooner or later. I mean the smart ass
> remark about sniffing and so on.

Sorry 'bout that ... I couldn't resist ... all that stuff about
romanticism, etc.
just set me off ... ham radio is *supposed* (read part 97) to be a
primarily
technical pursuit ... not some romantic fantasy of saving the day with a
Morse tx cobbled together from the wrecked remains of something else
in some  unlikely emergency ... real value is brought to emergency and
public service communications by well-trained operators using modern,
reliable, and prepared equipment and using pre-planned and practiced
methods ... nobody WANTS Morse any more in the real world ... only
a minority of hams cling to it with quasi-religious fervor (remember, even
the ARRL's surveys show that less than 40% of hams EVER use Morse
any more ...)
```

[snip]

> Please! Tell all how the technical level of our hobby will rise like the Phoenix when code is no longer part of the entry mechanism. Give me three solid examples. Hell, give me at least one that is not full of vague and apocryphal rankings.

First, in over 25 years of career as an RF equipment designer and communications systems engineer, I have worked with literally hundreds of highly-qualified, competent, level-headed, polite, considerate folks who would have made wonderfully well-behaved hams who could have and would have contributed greatly to our service and our community were it not for one thing ... the Archaic Retro Radio Luddites and their cronies the "CW Forever Olde Fartz" insisted that the they be required to demonstrate a Pavlovian conditioning in an 1847 encoding/decoding scheme that virtually anyone with a grip on the technical realities admits is about THE worst possible encoding scheme one cold conceive, that has "seen better days," and in which they have absolutely ZERO interest.

These are people who could sit down on any given morning and pass the extra theory while still half asleep and not break a sweat ... They (rightly and understandably) refuse to bow to a community which predominantly consists of their technical inferiors and waste significant amounts of their valuable time and eneergy just to jump through the hoop of some cranky old men's club's fraternity hazing ritual ... in other words, Morse and the attitudes that go with it amongst the technically ignorant who still think Morse is better than sex are the SOLE reasons that thousands of otherwise participating, contributing technical experts have stayed away in droves.

In short, if Morse had been made optional about three decades ago, like it should have been, we'd have a far larger number of technically competent hams in our ranks and we probably wouldn't be stagnated with the technology of the 1950s and 1960s like we currently are ...

> What I have said about our technical testing is true and it needs more than a little fixing. Both of us have made similar observations of the sad state of affairs our ham operations are in--yet we seem to be on different planets in our quest for the holy grail of radio amateur salvation.

We do agree that the technical testing methodolgy is flawed and permits huge numbers of technically incompetent people to gain licenses ... that's directly because the entire emphasis of the ARRL's "Incentive Licensing" scheme was to assert the ability to copy faster and faster Morse as the primary metric of "goodness and merit" in a ham. This "search for the holy grail," quasi-religious pursuit_of/demand_for Morse "skill" has diverted the attention of several generations of hams from the true (technical) nature and purpose of ham radio ... this perversion has been exacerbated by the ARRL's insistence on promoting a "paint-ball combat" mentality of competitive sports where the participants primary goal is to demonstrate their idea of machismo by stomping everthing and everyone into the dust with their "mine is bigger than yours signal." This has perverted our service into "it's ONLY a hobby" and resulted in the total distortion of our purpose and raison d'etre ... I would imagine that Mr. Maxim would spin at at least low RF rates if he could see what has become of ham radio and the League in the past few decades ... he'd probably use the Wouff Hong on the first cretin who insisted in knowing his "10-10 number" in order to talk to him ...

> I see a number of causal agents that are tearing
> at the fabric of our hobby, you choose to take a singular and
> purely emotional and often vengeful mission citing CW as
> Satan incarnate without so much as a clue as to the rest of the problems
> facing the hobby.

See above ... there's more wrong with ham radio than *just* Morse but MOST of it rests on the foundation of perverted attitudes that Morse fanaticism and the ARRL have promoted and enforced for the past few decades ... the ARRL and it's retrogressive, stagnating policies are orchestrating the ham radio equivalent of Jonestown or the recent mass suicides near San Diego ... unless hams wake up and reject this cultist fantasy dogma and at least make an effort to catch up and move towards the 21st century, we're equally suicical.

The idea that ham radio can march into the 21st century and survive with an insistence that it's primary focus is the maintenance of Morse forever (or that Morse is even *important* any more) is at least as far from reality as the belief that those poor, misguided folks near San Diego have joined aliens on a spaceship following the Hale-Bopp comet ...

> Ok fine. What would you do to fix it up? Come on now Carl. You
> and your sidekicks are good at taking the cheap shots at anyone who
> tries to have a civilized interchange, so how about dropping the
> horseshoe facade of the almighty expert and tell us folks in the
> wings how you guys want to rebuild (I guess re-engineer is the new
> buzzword in the industry) the amateur radio service. We anxiously
> wait your plan and just shooting the CW messenger is not good
> enough. I want some tangible suggestions on how we can fix
> the testing process that will ensure to a degree that our amateur radio
> hobby/service will indeed serve the public's interest.

Steve (much to my surprise and pleasure at the time) recently made a proposal that I felt went a long way towards what we need ... I offered up a few suggested modifications and others did as well ...

It basically was a compromise (for the time being at least) that would have kept a 5 wpm Morse test for HF access to satisfy the ITU treaty (though a 1 character/day test would, too, since no speed requirement is specified). I suggested starting with 3 classes of license .... a VHF and up no-code like today's no-code tech, only with a more appropriate level of technical knowledge required for the privs conveyed; a "beginner" (or whatever you want to call it) license with the same test, plus 5wpm code, and full HF access all bands, all modes with a power limit of say 50-250 Watts PEP output maximum ... (the theory test for these 2 "lower" classes of license would be AT LEAST AS comprehensive as the (current) full general class, probably a bit more ...); and the "advanced" (or whatever
you want to call the "highest" class of license) would gain the 1500W PEP output power limit, the ability to be a VEC, etc. ... the theory for this would
include all the elements for the lower class, plus more to be equal to or perhaps even a bit more comprehensive/advanced than the current extra theory ... there would be no further code speed test to upgrade to this class.

The idea is to re-emphasize the technical purpose or our service and remove the perverted emphasis on the worst possible mode available (except for spark
which was outlawed years ago) ... note I have not proposed and would not support a ban on the use of Morse by those who wish to learn an use it ... but it cannot continue to be the "guiding light" by which all of hamdom is measured, judged, and valued ... that perverts us from our real purpose and gives us a very bad public image ...

> > >   You can cite anecdotal events where this person or that
> > > person did some slick engineering in the amateur radio venue, and I
> > > guess we all can and often do so.
> >
> > And there'd be a LOT more of that if the Morse hazing ritual were
> > abandoned, technical rules modernized, and that sort of invention
> > and innovation were encouraged rather than looked at with fear and
> > distrust by a bunch of incompetent olde fartz who can't understand
> > the benefits and fear what they can't understand ... you know, the
>
>   Well am I to assume from your comment that I am an incompetent
> olde farte? My My. Getting a little emotional now are we.

I didn't say *you* were ... I don't know you well enough to form that opinion
yet ... getting a little defensive now are we???

> Old Fart my fat ass.

See above for part 1; WRT part 2, I have no knowledge of, nor any desire to obtain knowledge of, the size of your ass ... <grin>

> What have you contributed to the hobby as a whole in the

> last two years. Have you published any articles that provided state
> of the art information for your fellow hams to study and review? Have
> you given any assistance, instruction or free equipment to a budding
> amateur lately? Or have you accumulated enough test equipment to
> set up a facility so you can fix your gear if it breaks? Or do
> you just spend your every waking hour sitting in front of the PC
> tapping out vitriolic dogma to entertain your droogs?

Actually I've encouraged quite a few new hams into the hobby, helped them "learn the ropes," etc. I've also been doing some design and development work that may in the relatively near term benefit many (I prefer not to go into details at this time) .... Yes, I have, or have access to "enough test equipment to fix my gear if it breaks" ... I also have a very complete set of design and development tools, ranging from schematic capture (2 versions), to PCB design (2 versions), to simulation (analog, digital, block-diagram-level, and VHDL), as well as xPLD, FPGA, and full-blown ASIC development tools ... in other words, I can design and produce my own custome ASICs ... and I have plans of doing just that ... I also have software and hardware development tools for x86, PIC, TMS370, and several Mot uP/uC parts, as well as DSP development software and hardware tools for the TI TMS320C5x and 54x and Analog devices ADSP21xx series devices ...

I haven't published anything in the past few years ... it's been a slow period for me in that regard ... but I've published quite a bit in the past ...

Does that measure up to your standards???

> > "get the hell off of 'MY' frequency with that newfangled digital stuff"
>
>   That kind of interchange is as old as the hobby, spark v cw,
> am v cw, am v ssb, ssb v am. and so on. Keeps us on our toes. Hell,
> if these digital toys are so damn good they should whir right
> through the cw guys with ease. Yup Yup!

They will ... and they do ... the cretins with their strings of dits and swooshing carriers don't really accomplish anything ... except perhaps to occasionally cause a retransmission or slow the throughput down a tad ... but they can't really distrupt a well-designed digital system ...

However, that sort of behavior is STILL unacceptable and deplorable and should be discouraged and punished when proven.

> > If more hams were more technically competent, they'd be more
> > able to fix their own gear ... contrary to popular appliance operator
> > propaganda, the trend towards surface mount construction does
> > NOT preclude fix it yourself, it just means you have to learn some
> > new techniques ... and it doesn't take thousands of dollars worth
> > of specialized equipment either ...
>

> I agree 10000 percent on this one. You can set up a first
> class shop with nifty HP test gear and tektronics scopes and so on
> for less than the price of a used HF rice box. No bloody excuse for
> not taking care of your junk and learning how it works and if you
> can get the parts off the board without roaching the board then go for
> it.
>
> > In fact, if hams were more technically competent, they might
> > actually BUILD more of their own gear ... either from scratch
> > or from kits (a resurgence of kits would certainly occur if there
> > were more people capable of building them).
>
> Again I agree 10000 percent. The prophets of doom say that
> hams can't get parts to build with. If ever there was a MYTH propagated,
> the no parts MYTH is it. Never in the history of the ham radio service
> hobby has so much good stuff been available and and microcents on the
> dollar. Unfortunately the so call experts intimidate a lot of
> the newcomers into thinking that it takes a Ph.D. to design and
> build complex equipment. Nothing could be further from the truth. All
> it takes is a good pile of old CQs, QSTs, 73,s Ham Radio mag, and
> so on to illustrate the accomplishments of our amateur radio service
> to give them the needed exposure and hopefully sink the metaphorical
> magic hook into their emotional centers.

The problem is that too many balk at the Morse requirment ... it's
like "buyer's remorse" ... they're hooked and interested in all the
technical
stuff ... then they find out about the code and go off to write software,
build computer BBS systems, and other stuff that satisfies their technical
side without the torture and wasted time of Morse ... people who LIKE
Morse seem irrationally incapable of understanding that they are in the
vanishingly small minority ... they can't believe that people won't "come
around" and like it "if they just learn it and give it a try" ... that's
fantasy.
It's like forcing everyone to eat beets because YOU like them, in the
belief that "If they just try them, everyone will like them." Doesn't work
that way ....

> I did not say code testing is a useless hazing ritual. It is indeed a
> ritual and as I study this process in more detail I have come
> to believe it is an excellent ritual for all hams to partake in.

Rituals have no place in government licensing schemes designed
to grant access to publicly-owned resources like the highways or
our spectrum ...

> it were possible I would suggest that all hams, when they passed
> a specific level of code and technical testing, be taken to a
> quiet outdoor place, bon fires would be set, drums would pound, bamboo
> flutes would play, and each candidate would go through a real rite of
> passage ceremony where the license, in the form of some metal icon,
> would be presented to the initiate.

Perhaps is could be literally pinned to the flesh of their chests, like in the recent military scandals??? I think you're taking this ritual stuff FAR too seriously ...

> And with this initiation the new
> ham would be lauded for his accomplishments in getting to his/her
> current level, but he/she would be admonished as to what would be
> expected in the future. Technical competence would be but one
> continuing quest with code as another skill to master and maintain.

Code has a vanishing place in the future of ham radio ... times and technology change and all the wishful thinking and dogma in the world cannot change that ... the only question is will ham radio survive to have a future or will it stagnate so badly that it no longer provides enough "return on investment" to justify its' spectral allocations ... IMHO, we're at or past the failure point now and the regulators just haven't gotten around to figuring out how to drop the axe yet ... we need to do some fancy footwork and fast in order to escape the executioner's blade ...

> Carl, I would like to think that you and your buddies are sincere in
> your concern for the welfare of the hobby/service. It would be even
> more convincing if somehow the debate could be tempered with enumerated
> suggestions or steps by which a no code system could be worked our,

We've suggested exactly the sorts of progresive solutions that I've mentioned
above ... they are all always summarily rejected by the "CW forever crowd".
The ARRL committee is actually proposing even more regressive "restructuring"
that will increase the difficulty of code testing and make code testing and even
more dominant barrier to upgrading than it has been in the past ...

> perhaps some schema that would allow the continued use of code testing
> in a form that will satisfy those who would feel cheated if their dues
> had been paid only to have the accomplishment denigrated by saying
> that their struggles were meaningless.

Learning faster and faster code has meaning only if the student enjoys and values it ... otherwise it was just a tortuous hoop that one jumped through to pass a hazing ritual ...

In my suggestions for the new license structure/testing schemes, I said that I would support a grandfathering of current priveleges for current licensees
until their next renewal time or 5 years, which ever was longer ... at which
time they would have to pass the new written tests ... and that I would very
much support retesting (with current material) at each renewal ... even if it
was just a quick "spot-check" test on newer develpments that everyone took,

rather than a complete, comprehensive retest, it would emphasize the
importance
of maintaining technical currency and the true nature of our service.
I think the time allotted is sufficient notice and opportunity to study for
those
who wish to maintain privileges to comply ...

> The operational relevance of
> CW is not an issue nor is the efficiency of our current data systems
> anything to shout about either. When the crap hits the fans you will
> find that an adhocracy of mixed modes seems to form automatically and
> for reasons that are too difficult to explain in this venue, ham radio
> just works despite all of its archaic trappings..works well.

When the crap hits the fan, preparation of systems, operators, and
proceedures, coupled with training and practice are what "cut the mustard."
NO EMS agency has any use for CW any more ... they all want tactical
voice on VHF/UHF-FM with SSB for wider area nets, and they want
packet interties for bulk written message traffic ... offer them a crew of
Morse ops and they'll virtually universally laugh you our of their op
center with instructions to get out of their way and stay out of their way.
Offer them something that they see as useful and they'll welcome you
with open arms in most cases ... unless they've had a bad experince
with untrained, unprepared lids in the past ...

Carl - wa6vse
wa6vse@fast.net

From -3669286318993290387
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <01bc5e3a$95794c80$5c9cf5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 240901505
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <336FE0CE.14E3@calweb.com>
<3370ADAC.4BAA@ccm.ch.intel.com> <33712D9E.17BF@calweb.com>
<01bc5d9b$c012c1a0$bf95f5ce@wa6vse.fast.net> <3375200D.58FC@calweb.com>
<33753696.7DC7@ccm.ch.intel.com> <337553A1.25A@calweb.com>

Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Bob Miller <bmiller@calweb.com> wrote in article
<337553A1.25A@calweb.com>...
>The reject from an asylum is your metaphor and your
> lopsided analysis, not mine.

NO ... it's not just a metaphor ... or a lopsided analysis ... it's the way
that technically competent people who are unwilling to bow down to the
false god of the Morsedist quasi-religion are treated by technically
ignorant beepers who can't hold a candle to people like Cecil is talking
about in terms of ability to contribute to the service ...

In fact, I maintain that the, deep down inside, the beepers *know* how
inferior they are to these sorts of folks and they can't stand the thought
of facing the fact that beeping fast doesn't count for squat any more in
the real world, so the reject, mistreat, and drive away people who with
superior talents to try to prop up their own sense of importance.

That's the way *I* see it ... and it's no wonder that people like Cecil's
acquaintance figure hams are a bunch of jerks who can GTH ...
it's exactly because that's how many hams act ...

Carl - wa6vse
wa6vse@fast.net

From -4077725986720127182
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <01bc5e3c$2c24f700$5c9cf5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 240902985
References: <33236044.339E@kerrlake.com> <5kovpd$pa5$1@connect3.iconnect.net>
<33744833.52BB@lni.net> <01bc5d95$7cd25280$bf95f5ce@wa6vse.fast.net>
<5l4km6$bra@anomaly.ideamation.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Michael P. Deignan <kd1hz@anomaly.ideamation.com.nospam> wrote in article
<5l4km6$bra@anomaly.ideamation.com>...

> In article <01bc5d95$7cd25280$bf95f5ce@wa6vse.fast.net>,
>   Carl R. Stevenson <wa6vse@fast.net> wrote:
>
> >that's why I favor
> >retesting at each license renewal ... too damned many hams that passed
> >their tests in the 30s-60s took the attitude that there was nothing more
to
> >learn and stagnated right there ...
>
> A valid idea, but one that will never come to fruition... Too much work
> for the VECs... Unless, of course, you could convince W5YI/ARRL that they
> would make million$$$ selling new license manuals every 10 years... Yeah,
> I bet they'd do it then...

My God!!! Something that you'll agree with me on? Are you feeling ill,
Mike?

Seriously, the case is valid and there would be revenue involved for
someone
in producing study manuals ... though I have doubts that the ARRL could
ever
come to terms sufficiently with modern technology to produce viable study
materials for a meaningful test ... they'd have to subcontact it out for
sure ...

> >that's why they're technically ignorant
> >and inept today, and that doesn't do a damned thing towards meeting our
> >chartered goals and purpose ...
>
> I find just about everyone licensed in the past 10 years to be
technically
> ignorant. Just three days ago I heard a three-month "wonderboy" asking
> someone how to construct an attenuator.
>
>
> >that's why our bands are being taken away
> >for commercial services one by one ...
>
> I've always thought it was because they had more money than us... Silly
me.

Yup ... occasionally the goverment screws up and has enough sense to do
something right ... the original establishment of ham radio as a service
for technical experimentation and self-education and public service
communications
was such a case ... they can still see the possiblity of a non-cash return
on
investment, but we're not producing under the current conditions ... that's
why
we've lost bands and why we'll continue to loose them unless we turn things
around and get ham radio back on the charter track ... I know you'll not
agree
that that's a primarily technical course, but that's the reality whether

you can
see it or not ...

Carl - wa6vse
wa6vse@fast.net

From 3681366579544951572
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Alan <jobs@rida.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <33761AB1.410C@rida.net>#1/1
X-Deja-AN: 240906510
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kgon1$sge$1@nnrp01.primenet.com>
<01bc58c6$b8925d20$66029ace@graham.surfsouth.com>
<33740d4f.26583817@netnews.worldnet.att.net>
Organization: Alan J. Price Associates, Inc.
Reply-To: jobs@rida.net
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

charlie ka9hrt wrote:
>
> On 4 May 1997 20:04:47 GMT, "Joe Mama" <up@yours.com> posted:
>
> >> What a brave guy, forging your headers. You'd be surprised how fast
> >> things are changing. Code will eventually no longer be a licensing
> >> requirement.
> >>
> >> CrACKeD <cracked@primenet.com>
> >>
> >
> >I guess using the name CrACKeD is the height of bravery! By the way, they
> >already have a hobby where the code is not required. Its called CB.
> ... lessee, if one recalls correctly, current licensure 'requirements'
> for amateur radio also do not require 'code' (whatever that 'code'
> is)... imho: amateur radio is not the 'code' (whatever that is), and
> the 'code' (whatever that is) is not amateur radio -- never has been,
> never will be...
> >

> >73, K4XA
> >
> >
Let's not continue the lowering of standards in this country. May CW is
not loved by all, but it is not so hard to learn, really. If the hobby
has value to you, learn the code. If we scratch the code, next will be
theory and then will be......................

Keep the code, it has value as a filter if nothing else.

Alan
W1HYV

From -6962568029140694611
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Bob Miller <bmiller@calweb.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <33761AD7.347C@calweb.com>#1/1
X-Deja-AN: 240907534
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <336FE0CE.14E3@calweb.com>
<3370ADAC.4BAA@ccm.ch.intel.com> <33712D9E.17BF@calweb.com>
<01bc5d9b$c012c1a0$bf95f5ce@wa6vse.fast.net> <3375200D.58FC@calweb.com>
<33753696.7DC7@ccm.ch.intel.com> <337553A1.25A@calweb.com>
<3375EAB9.3319@delphi.com>
To: "Cecil A. Moore" <cecilmoore@delphi.com>
Organization: CalWeb Internet Services, Inc.
Reply-To: bmiller@calweb.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
NNTP-Posting-User: account=bmiller

> Jim was supposed to send you an email explaining his biological problem
> with Morse code. Did you get his email yet? What say you?
>
> 73, Cecil, W6RCA, OOTC

Hi Cecil,

No he didn't but I would certainly like to chat with the fellow

since I would be interested in his story. As to "lower class hams"
I find the label disgusting and would not entertain the thought.
Ludwig Van was apparently deaf as a post, but his music is still
great...hardly a cripple in the general sense of the word.
     The great American Historian, Francis Parkman, was so visually
and physically crippled that he had to fabricate a string matrix
to support his quill pen, yet he turned out some of the richest prose
on America's history and is the envy of numerous historians even today.
His style is so rich that it actually aggravates some historians and
writers who, with complete faculties, cannot come close to his prose.
Read his "Oregon Trail" sometime for a glimpse at real genius and
fortitude even if his version of history may tend to push the
envelope of truth from time to time.

     Bob, KE6F

From 6340248484287326232
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: ke4zv@bellsouth.net (Gary Coffman)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <337629d7.14571281@news.atl.bellsouth.net>#1/1
X-Deja-AN: 240915712
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <336FE0CE.14E3@calweb.com>
<3370ADAC.4BAA@ccm.ch.intel.com> <33712D9E.17BF@calweb.com>
<01bc5d9b$c012c1a0$bf95f5ce@wa6vse.fast.net> <33752102.4811@ccm.ch.intel.com>
Organization: Destructive Testing Systems
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

On Sat, 10 May 1997 18:29:38 -0700, Cecil Moore <cecil_a_moore@ccm.ch.intel.com>
wrote:

>Carl R. Stevenson wrote:
>> Have you been sniffing that solder flux solvent again or what???
>
>Hi Carl, it's worse than that. Most old hams that I know and knew (SKs),
>chewed on lead-based solder while they built gadgets. I'll bet if older
>hams were tested for lead-poisoning, it would be shown to be rampant.
>
>73, Cecil, W6RCA, OOTC

Even if it is, we shouldn't worry too much about it. While high blood lead
levels aren't healthy, they don't have too great an effect on the mental
faculties of adults. The concern is in young developing children, where
high blood lead levels correlate strongly with reduced mental function.
That's probably because the brain is still developing, and is more
vulnerable.

```
Gary
Gary Coffman KE4ZV          | You Make It  | Email:
Destructive Testing Systems | We Break It  | ke4zv@bellsouth.net
534 Shannon Way             | Guaranteed   |         or
Lawrenceville, GA 30244     |              | ke4zv@radio.org
```

```
From 3399402646978298712
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: kc5egg@ix.netcom.com(Gerald Schmitt )
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <5l5hpg$kfi@dfw-ixnews10.ix.netcom.com>#1/1
X-Deja-AN: 240936825
References: <33236044.339E@kerrlake.com>
<01bc58eb$33bfd4e0$74029ace@graham.surfsouth.com> <5kjku3$7lc@sjx-
ixn6.ix.netcom.com> <01bc5da9$73ee8940$bf95f5ce@wa6vse.fast.net>
<5l4rf8$c51@anomaly.ideamation.com>
Organization: Netcom
X-NETCOM-Date: Sun May 11  5:38:40 PM CDT 1997
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
```

In <5l4rf8$c51@anomaly.ideamation.com>
kd1hz@anomaly.ideamation.com.nospam (Michael P. Deignan) writes:

>
\>Yup, Carl's back.   rec.radio.amateur.* was relatively insult-free for
>a week or so... Since Carl's return, I've counted 5 postings today
alone
\>with personal insults directed at other posters. C'est la vie. Some
things
\>will never change...
>
\>MD

Sort of like you going out of your way to insult Carl and get the mud
slinging started again. Left to his own devices Carl's posts are

usually fairly well reasoned and quite the oposite of yours, perhaps
this is the reason for your seeming personal dislike for him. To my
mind Carl's greatest weakness is letting YOUR personal insults get
under his skin. As you say "some things will never change".

From -1001820958146166201
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <33764DAF.6996@delphi.com>#1/1
X-Deja-AN: 240937570
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kgon1$sge$1@nnrp01.primenet.com>
<01bc58c6$b8925d20$66029ace@graham.surfsouth.com>
<33740d4f.26583817@netnews.worldnet.att.net> <33761AB1.410C@rida.net>
Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Alan wrote:
> Keep the code, it has value as a filter if nothing else. Alan

It's a filter all right, just like a gold filter. It lets the
dirt through and keeps out the gold.

73, Cecil, W6RCA, OOTC

From 8071644437539484341
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <33764C8A.7433@delphi.com>#1/1

X-Deja-AN: 240937942
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee> <3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net> <5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com> <5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com> <336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-ixn10.ix.netcom.com> <336CF780.15C5@delphi.com> <01bc58eb$33bfd4e0$74029ace@graham.surfsouth.com> <5kjku3$7lc@sjx-ixn6.ix.netcom.com> <01bc5da9$73ee8940$bf95f5ce@wa6vse.fast.net> <3375F001.59F1@calweb.com>
Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Bob Miller wrote:
> Hmmmmmm, perhaps someone will explain how the OOTC guy went through
> the metamorphasis from Conditional to Advanced.

Hi Bob, sounds like you're implying that I did something illegal. Anybody with half a brain can see that you have switched from arguing the issues to personal innuendos. That's what usually happens when one is losing an argument. It matters not one iota to the *issue* whether I assumed my dead twin brother's identity and don't know a single Morse code character. What you are doing is called "argumentum ad hominem". Did you think a member of Mensa wouldn't recognize it? Guess a real ham wouldn't even notice?

My novice license expired in 1952. If I had waited until 1997 and got a no-code tech license, I would still be eligible for OOTC membership. OOTC requires on the air 40+ years ago, nothing more. What? Real hams shouldn't use conditional licenses for OOTC membership?

I traded my AZ call, KG7BK, for my previous CA call, W6RCA, just as soon as it was possible. You don't seem to like the fact that I got my old call back. With a call like yours, I don't blame you for being jealous. Real hams have Wx3 calls.

Why is the personal attack necessary just now when you know I have previously freely volunteered the information that I had never had an official 13 wpm CW exam? What can you possibly gain by me repeating the story? Once again, the old-phart general who gave me my conditional exam didn't bother testing me for Morse code since I had bested him over the air at CW and he had no machine for sending Morse code. So here I am as an advanced with a EE degree and 40 years of engineering experience as a result of that conditional license. Would you have me undo all of that, or what? Real hams don't need EE degrees? They only need Morse code?

I gather in your way of thinking, I should be kicked out of ham radio since I didn't get into it the "right" way. What I did was legal but somehow immoral based on your system of morality? Guess you don't want to talk to Jim after all since he got his license legally through the waiver process. Real hams don't get waivers?

Look for me any night on the novice portion of 40m. I do not enjoy
CW QSOs faster than 10wpm. Guess you would tell me to do 20wpm
whether I enjoyed it or not but to do so would be a sign of mental
illness in more than one of us. What? Real hams don't do 10wpm?

Would you like to start a new newsgroup called alt.Cecil.die.die.die
(like the alt.Barney.die.die.die) or would you like to get back to the
issues and avoid personal innuendos from now on?

73, Cecil, W6RCA, OOTC

From 1444031230116313897
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: kc5egg@ix.netcom.com(Gerald Schmitt)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <5l5jc5$4c4@dfw-ixnews9.ix.netcom.com>#1/1
X-Deja-AN: 240938368
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kgon1$sge$1@nnrp01.primenet.com>
<01bc58c6$b8925d20$66029ace@graham.surfsouth.com>
<33740d4f.26583817@netnews.worldnet.att.net> <33761AB1.410C@rida.net>
Organization: Netcom
X-NETCOM-Date: Sun May 11 6:05:41 PM CDT 1997
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In <33761AB1.410C@rida.net> Alan <jobs@rida.net> writes:
>
>charlie ka9hrt wrote:
>>
>> On 4 May 1997 20:04:47 GMT, "Joe Mama" <up@yours.com> posted:
>>
>> >> What a brave guy, forging your headers. You'd be surprised how
fast
>> >> things are changing. Code will eventually no longer be a
licensing
>> >> requirement.
>> >>
>> >> CrACKeD <cracked@primenet.com>
>> >>

>> >
>> >I guess using the name CrACKeD is the height of bravery! By the
way, they
>> >already have a hobby where the code is not required. Its called CB.
>> ... lessee, if one recalls correctly, current licensure
'requirements'
>> for amateur radio also do not require 'code' (whatever that 'code'
>> is)... imho: amateur radio is not the 'code' (whatever that is),
and
>> the 'code' (whatever that is) is not amateur radio -- never has
been,
>> never will be...
>> >
>> >73, K4XA
>> >
>> >
>Let's not continue the lowering of standards in this country. May CW
is
>not loved by all, but it is not so hard to learn, really. If the
hobby
>has value to you, learn the code. If we scratch the code, next will
be
>theory and then will be.....................
>
>Keep the code, it has value as a filter if nothing else.
>
>
>Alan
>W1HYV

Actually Alan for some people it is not all that easy. Apparently is was reasonably easy for you but it can be very difficult to impossible for others. Saying "it is not so hard" strikes a nerve in folks who expended massive effort to master code, even worse for those who simply could never do it.

As to its value as a filter, what does it filter, and is this filtering a good thing? It filters out busy technical people I fail to see the benifit in this. It apparently does not filter out lids as 75 meters and portions of other bands demonstrate. Some of the best most curteous operators you run across are the new nocode techs. They don't quite have it all down yet and they want to do things right so they try harder. In my area at least they run most of the clubs and organize the hamfests because it's all new to them and they want to contribute.

In fact the primary beneficiaries of the current caste ooops I mean incentive system are the code adepts perhaps at the expense of the greater good and even amateur radio itself. Just some food for thought.

Jerry

From -2399237003808995889
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Terry Morris <kb8amz@en.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <33754E7F.58E3@en.com>#1/1
X-Deja-AN: 240947470
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<01bc5a94$f4674700$d0a255ce@Gordon.ctaz.com>
Organization: en.com
Reply-To: kb8amz@en.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Gordon Eade wrote:

>
> Mastering Morse code is a very difficult task. It takes many long hours of
> practice to gain the necessary degree of proficiency to pass the 20 wpm
> test in all it takes approximately 80 hours of practice over about 8
> months.

Thats ridiculous, but maybe not for you. If a person spends 2 fifteen minute sessions per day for 3 - 4 weeks that person should be proficient enough to copy 20 wpm. There is a stipulation though. The person must WANT TO LEARN the code.

> It takes another 5 years of practice to begin to approach the proficiency
> required to communicate with all but the very best operators on the air.

I telling you from experience. If you pass the code at 20 wpm and then operate a 5 wpm, as long as your code is not QLF, you will be operating proficiently with anyone that QSO's with you at 5 wpm. However, if you passed the 20 wpm code I can't comprehend why you would want to operate at a slower speed, unless you JUST WANTED to operate slower or work someone that sends at a slower speed. Geez, is it really that difficult???

> Some day I hope to master the code, but I fear it is another 5 years away.

You're a quitter; a loafer; a whiner; a procrastenator. If you continue to make excuses you'll never feel at ease at 20 wpm.

Practice...Practice...Practice, you'll get there, someday, SOON if you

REALLY want to pass the test. GOOD LUCK!

73, KB8AMZ

From -669366447590678884
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: tbryant@cannet.com (T.L.Bryant)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <5l50uo$3nc@dolphin.cannet.com>#1/1
X-Deja-AN: 240974198
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
<5kv5vb$qbc@sjx-ixn7.ix.netcom.com>
Organization: cannet.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

:>Hi Dale, you must be a newcomer. There is no "anti-code crowd" and
:there is
:>no push to "drop the code". You must have mistaken such for the
:anti-code-test
:>crowd and the push to drop the code-testing. It's an easy mistake to
:make.
:>
:>73, Cecil, W6RCA, OOTC
:
:Nope, not new at all and certainly not mistaken. I just enjoy watching
:the anti-code crowd twist the argument to fit the agenda.
:Dale

...and if they should get their wish, and code testing is abolished, the next thing you hear them say will be, "Why are we restricted to certain modes of communication on certain frequencies? These 'beepers' are hogging up valuable frequencies that could be used for more efficient modes of communicating!"

Tom - N8ECW

From -2703190957006528438
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <337697A0.5038@delphi.com>#1/1
X-Deja-AN: 240982851
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <336FE0CE.14E3@calweb.com>
<3370ADAC.4BAA@ccm.ch.intel.com> <33712D9E.17BF@calweb.com>
<01bc5d9b$c012c1a0$bf95f5ce@wa6vse.fast.net> <3375200D.58FC@calweb.com>
<33753696.7DC7@ccm.ch.intel.com> <337553A1.25A@calweb.com>
<3375EAB9.3319@delphi.com> <33767620.34102657@news.atl.bellsouth.net>
Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Gary Coffman wrote:
> I'd buy that he doesn't want to *waste* his time arguing with us, but I
> don't buy the idea he literally doesn't have the time.

Hi Gary, it's a polite way of saying the same thing. "I don't have time"
is a little softer than, "I don't have time to waste on such nonsense."

73, Cecil, W6RCA, OOTC

From -3136281366251248359
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: dean.hoover@dhs-bbs.win.net (Dean Hoover)
Subject: Re:QRZ KC5ZEZ BRYAN LAWSO
Date: 1997/05/11
Message-ID: <58780103@dhs-bbs.win.net>#1/1
X-Deja-AN: 240999468
References: <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>

<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <5khcku$obf@newshost.vvm.com>
<01bc58c3$d2f3eec0$66029ace@graham.surfsouth.com>
Organization: Digital Ham Shack - Germantown, Wi. 414-251-0201
Reply-To: dean.hoover@dhs-bbs.win.net (Dean Hoover)
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Previously, UP@YOURS (JOE MAMA) wrote the following quotations:

Two questions, Graham,

U(M*>Only the people who DON'T intend to learn it but continue to gripe
U(M*>about it.

I know the code (at least 5wpm), and I gripe about it.

U(M*>Bottom line is it doesn't matter WHY its required. Only that it
U(M*>IS required.

Why doesn't it matter? Is that really a good bottom line?

-Speed limit is 55. Do you ever speed? Do you talk to the policeman
 to get you out if you get caught?
-Work hours are 9 to 5. Have you ever shown up late? Ever sneak out
 a little early for a 9-holer?

The point I would like to make is that even though the code exists and
remains a requirement for advancement in the amateur class, doesn't
mean that it's a good idea, simply that it exists. If you agree with
it, fine. You're entitled. I don't agree, at least with the current
standing. I think change is good and needs to be at least looked at.

By the way, if we couldn't argue about this because it IS required,
there wouldn't need to be all these usenets and forums, eh?

Dean Hoover
KB7QDI/DA4QD
Wurzburg, Germany

 =FE SLMR 2.1a =FE It's only a hobby ... only a hobby ... only a

From -1029693991962342222
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public

X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: dean.hoover@dhs-bbs.win.net (Dean Hoover)
Subject: Re:QRZ KC5ZEZ BRYAN LAWSO
Date: 1997/05/11
Message-ID: <14250106@dhs-bbs.win.net>#1/1
X-Deja-AN: 240999524
References: <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <5khcku$obf@newshost.vvm.com>
<01bc58c3$d2f3eec0$66029ace@graham.surfsouth.com>
Organization: Digital Ham Shack - Germantown, Wi. 414-251-0201
Reply-To: dean.hoover@dhs-bbs.win.net (Dean Hoover)
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

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Dean Hoover
KB7QDI/DA4QD
Wurzburg, Germany

 =FE SLMR 2.1a =FE It's only a hobby ... only a hobby ... only a

From -6478873757101229114
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <33769604.6558@delphi.com>#1/1
X-Deja-AN: 241001596
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<01bc5a94$f4674700$d0a255ce@Gordon.ctaz.com> <33754E7F.58E3@en.com>
Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Terry Morris wrote:
> There is a stipulation though. The person must WANT TO LEARN the code.

So you are telling us that the guy who tried for 20 years to get to 13wpm didn't want to learn the code? Say Terry, do you really want to learn how to dunk a basketball? If you only want to learn how, then you can.

73, Cecil, W6RCA, OOTC

From -2607859013585839702
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Bob Miller <bmiller@calweb.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <3376956A.3B7A@calweb.com>
X-Deja-AN: 241041032
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>

<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-ixn10.ix.netcom.com> <336CF780.15C5@delphi.com>
<01bc58eb$33bfd4e0$74029ace@graham.surfsouth.com> <5kjku3$7lc@sjx-ixn6.ix.netcom.com> <01bc5da9$73ee8940$bf95f5ce@wa6vse.fast.net>
<3375F001.59F1@calweb.com> <33764C8A.7433@delphi.com>
To: "Cecil A. Moore" <cecilmoore@delphi.com>
Organization: CalWeb Internet Services, Inc.
Reply-To: bmiller@calweb.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
NNTP-Posting-User: account=bmiller

Cecil A. Moore wrote:
>

Cecil, you are incredible. Through innuendo you have inferred that
I am a Nazi, a Communist, a Fascist, and God only know what else based
solely on my commentaries regarding the loss of civility on ham radio as
it pertains to the code v no code argument. But when a person is put
on a marble throne as the Poster Kid for No Code and is cited as
the guy who is the Old Timer who just loves CW and infers that he
is pro CW for himself but has SEEEEN the light and now sees code as
a Satan incarnate. I think it is fair game to sit for the critique
of his peer group. Seems as though my questions were accurately placed
and as to cheap shots and innuendo. No I earned my weird 4 letter call,
I did not buy it! Simple as that. As to the OOTC membership That is
fine with me.
     I am quite aware of the many forms of fallacious reasoning and
the arguementum ad hominem. You rascals use that and a number of
others on a continual basis so don't lecture me on the Rhetoric, Cecil,
or I'll dig out Aristotle and critique every post you rascals make.
     As to implying that you did anything illegal. Not in your wildest
dreams. I think I had the scenario down pretty good. Nothing
wrong with what you did. Good for you.
> Bob Miller wrote:
> > Hmmmmmm, perhaps someone will explain how the OOTC guy went through
> > the metamorphosis from Conditional to Advanced.
>
> Hi Bob, sounds like you're implying that I did something illegal.
> Anybody with half a brain can see that you have switched from
> arguing the issues to personal innuendoes. That's what usually
> happens when one is losing an argument. It matters not one iota
> to the *issue* whether I assumed my dead twin brother's identity
> and don't know a single Morse code character. What you are doing
> is called "argumentum ad hominem". Did you think a member of Mensa
> wouldn't recognize it? Guess a real ham wouldn't even notice?
>
Oh Boy, another Wayne Green in the making. Excuse me but you don't
get all fuzzy over the Mensa reference. As I said if you think you
deserve the honor of wearing the Red Robe then do so.

> My novice license expired in 1952. If I had waited until

> 1997 and got a no-code tech license, I would still be eligible for
> OOTC membership. OOTC requires on the air 40+ years ago, nothing more.
> What? Real hams shouldn't use conditional licenses for OOTC membership?
>
> I traded my AZ call, KG7BK, for my previous CA call, W6RCA, just as
> soon as it was possible. You don't seem to like the fact that I
> got my old call back. With a call like yours, I don't blame you
> for being jealous. Real hams have Wx3 calls.

No personal attack, just a clearing of the air. And if the
above is not a slam at every ham that has a call with Two Alpha
characters in front, then what is it. Why in the world would I
be jealous of you Cecil. I have enough problems in life without
wasting my energy worrying about whether you think my call letters
are uncool. BTW W6RCA is a cool call and I am glad you got it back.

>
> Why is the personal attack necessary just now when you know
> I have previously freely volunteered the information that I had
> never had an official 13 wpm CW exam? What can you possibly gain
> by me repeating the story? Once again, the old-phart general who
> gave me my conditional exam didn't bother testing me for Morse
> code since I had bested him over the air at CW and he had
> no machine for sending Morse code. So here I am as an advanced
> with an EE degree and 40 years of engineering experience as a result
> of that conditional license. Would you have me undo all of that,
> or what? Real hams don't need EE degrees? They only need Morse code?
>

I really don't see what the EE degree has to do with ham radio. It is
not a requirement. I graduated University with honors and am finishing
up on my Masters this year, yet it has little to do with ham radio so
what's the point?

> I gather in your way of thinking, I should be kicked out of ham
> radio since I didn't get into it the "right" way. What I did was
> legal but somehow immoral based on your system of morality? Guess
> you don't want to talk to Jim after all since he got his license
> legally through the waiver process. Real hams don't get waivers?

Why would I want you kicked off the air? Hell, the more
the merrier Its just to darn bad that have not had these discussions
on the air as it would sure make for interesting communications. I
think we can both agree that most ham QSOs, regardless of mode, are
perfunctory in the main and usually pretty boring.

>
> Look for me any night on the novice portion of 40m. I do not enjoy
> CW QSOs faster than 10wpm. Guess you would tell me to do 20wpm
> whether I enjoyed it or not but to do so would be a sign of mental
> illness in more than one of us. What? Real hams don't do 10wpm?
>

Actually I prefer to putter around the same speed that way I can
write it down from time to time without cramps. Yes, even so-called
CW operators have their problems with the outdated mode. Basic rule
of the road on CW is to give back speed as it is given to you. If it

is 3-5 wpm incoming then it is 3-5 outgoing. No problem. If it is
40-50 incoming I say GNOM/73 and turn the rig off.

> Would you like to start a new newsgroup called alt.Cecil.die.die.die
> (like the alt.Barney.die.die.die) or would you like to get back to the
> issues and avoid personal innuendoes from now on?

Me thinks I have poked too hard at you Cecil and for that I apologize.
My goal this weekend was to wade into this hornets nest to see what
was driving the CW wars. I have found that both sides have strong
convictions about their stands on the issue of code and that there is
probably little room for compromise among the players. Contrary to most
of the anti-code-test faction's published thesis, I find that most of
the arguments in favor of a no code test to be steeped in unsupported
emotional technical dogma and the pro-code-test faction to be steeped in
hopeless tradition. Tis lose-lose combination at this juncture as I
see it. But as the comedian, Dennis Miller says, "Its just my opinion,
and I could be wrong."

In any case, I wish you well, Cecil, and perhaps we to can
continue this dialog without rancor or strutting or innuendo and
perhaps see some area where both sides can save a lite bit of
their cultural turf and have a little cake to eat as well.
Tradition. Besides, All little kids love Barney

keep up the good fight.

73

Bob, KE6F, Former WA6MGG (former Conditional too)

>
> 73, Cecil, W6RCA, OOTC

From 6460624337221761050
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: ke4zv@bellsouth.net (Gary Coffman)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/12
Message-ID: <337663f2.29448272@news.atl.bellsouth.net>#1/1
X-Deja-AN: 240951413
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>

<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kgon1$sge$1@nnrp01.primenet.com>
<01bc58c6$b8925d20$66029ace@graham.surfsouth.com>
<33740d4f.26583817@netnews.worldnet.att.net> <33761AB1.410C@rida.net>
Organization: Destructive Testing Systems
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

On Sun, 11 May 1997 15:14:57 -0400, Alan <jobs@rida.net> wrote:
>Keep the code, it has value as a filter if nothing else.

But what response does it have? Is it lowpass or highpass? From some of the indications I've seen on HF, I'd suggest it is lowpass since some mighty lowdown people seem to have passed it. Perhaps it answers the question "are you dumb enough to do this?"

You do know what the most common last words of a redneck are don't you?

"Hey ya'll, lookit me do this!"

That's usually said just before said redneck does something terminally stupid like trying to jump a train with his souped up riding lawnmower.

Gary
```
Gary Coffman KE4ZV           | You Make It  | Email:
Destructive Testing Systems | We Break It  | ke4zv@bellsouth.net
534 Shannon Way              | Guaranteed   |         or
Lawrenceville, GA 30244      |              | ke4zv@radio.org
```

From 886918553714094624
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: billsohl@planet.net (Bill Sohl)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/12
Message-ID: <5l5poq$f4m@jupiter.planet.net>
X-Deja-AN: 240955250
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <336FE0CE.14E3@calweb.com>
<3370ADAC.4BAA@ccm.ch.intel.com> <33712D9E.17BF@calweb.com>

<01bc5d9b$c012c1a0$bf95f5ce@wa6vse.fast.net> <3375200D.58FC@calweb.com>
Organization: Mount Olive Township (NJ) Emergency Management
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Bob Miller <bmiller@calweb.com> wrote:
>   Ok fine. What would you do to fix it up? Come on now Carl. You
>and your sidekicks are good at taking the cheap shots at anyone who
>tries to have a civilized interchange, so how about dropping the
>horseshoe facade of the almighty expert and tell us folks in the
>wings how you guys want to rebuild (I guess re-engineer is the new
>buzzword in the industry) the amateur radio service.   We anxiously
>wait your plan and just shooting the CW messenger is not good
>enough. I want some tangible suggestions on how we can fix
>the testing process that will ensure to a degree that our amateur radio
>hobby/service will indeed serve the public's interest.

Well, how's this for starters:
And theory tests are getting more rigorous:
To those that claim there is ONLY a lessening
(dumbing down per the likes of several poster's
past comments here) of all requirements needed
for the various theory tests AND those that keep
harping on the rote memorization of pool questions,
you will be happy to know that theory test pools
already have changed significantly and will impact
as of 7/1/97.

As was reported in the W5YI Report of 12/15/96,
the NOVICE and TECHNICIAN question pools
have increased by 46%. The prior set of
questions comprised a total pool of 632 questions,
while the new pool of questions is now 924.
The Novice pool has increased 41% from a total
of 342 questions to 483. The Technician pool has
increased 52% from 290 to 441.

Now I don't know anyone that can just spend
a weekend or even longer to exactly
memorize 440 questions, much less the
over 900 just to pass the Novice/Technician
set of theory elements.

What some may not have known (and I include myself
in that) is that there is no upper limit to the quantity
of questions that can be in the pool. There is
only a part 97 minimum (97.523) that requires
"Each question pool must be at least 10 times the
number of questions required for a single
examination."

Given that no upper bound exists for question pools,
I'd like to sugest that each question that deals with

a formula calculation have at least 20 iterations
where each iteration uses a different set of variables.
That should truly eliminate any rote memorization of
the questions involving formula calculations.

>Carl, I would like to think that you and your buddies are sincere in
>your concern for the welfare of the hobby/service. It would be even
>more convincing if somehow the debate could be tempered with enumerated
>suggestions or steps by which a no code system could be worked our, or
>perhaps some schema that would allow the continued use of code testing
>in a form that will satisfy those who would feel cheated if their dues
>had been paid only to have the accomplishment denigrated by saying
>that their struggles were meaningless.

How's this suggestion:

To: QST Correspondence (sent 4/16/96)

Is there a compromise in the CW debate?

First, any compromise must recognize the concerns of both sides and attempt to bring them together. Step one is acknowledging that there is a middle ground. In the CW debate, the middle ground most frequently mentioned seems to be that even if CW is less relevant today, there should not be any elimination of CW testing, unless there is an increase in difficulty for the theory elements. What I propose here may not be a perfect answer, but it does seem to address both concerns.

Current test requirements for General and Extra require the passage of a CW test at 13 wpm and 20 wpm respectfully along with a separate theory test. In both cases the CW test is a stand alone, pass (70% correct) fail requirement. But what if we offered test takers the opportunity to take the test elements as they do today OR, as an option, we let them take the 13 wpm or 20 wpm CW test as an integral part of the respective General or Extra theory (i.e. written) test?

How would that be accomplished?
During any VE session, if a test taker completed the CW test with a passing score of 70%, they would be granted an CSCE and then take the theory test as before. However, if they failed the CW test, they would be permitted to merge the CW test results from that day�s test with their theory results also taken on that day only. If they still failed to pass the theory test using a merged score, no CSCE would be issued for either part of the testing.

The actual scoring would be done as follows:
The General theory test is 25 questions and one must answer 19 questions correctly to pass. The 13 wpm CW test is 10 questions and one must get 7 answers correct to pass that test element. If we combine the two tests (for a total of 35 questions) and if the test taker scores a total of 26 answers correctly, then he or she passes, regardless of the individual number of incorrect answers on the CW

test.

While I haven�t shown the numbers, the same scoring process could be applied to the 40 question Extra class test.

Doing this would retain the same overall test methods (only the scoring process would change), no additional record keeping should be required nor would any CSCE be issued for anything that isn�t issued today. More importantly, an immediate benefit of this approach is that if someone chooses to not pursue the 13 or 20 wpm level of CW, they MUST get a greater percentage of the Theory element correct in order to obtain an overall passing score. That automatically raises the difficulty level of the theory test for those people that might wish to ignore learning CW at those speeds, which is something many have desired to see happen if any change is made regarding a lowering or elimination of CW requirements.

Worst case scenario for someone taking the General test who didn�t attempt to learn any CW beyond 5 WPM: Even if they just filled in answer B for all 10 CW questions, they might luck out and get 3 of the CW questions correct anyway. That being the case, they'd then need to correctly answer 23 of 25 theory questions (92%) to have a total of 26 correct answers to pass the test on a combined score basis.

In summary, I think this suggestion meets the concerns of many hams because:
1. It retains all existing levels of CW testing,
2. It maintains full compliance with International treaties,
3. It makes no changes to the test elements themselves,
4. It improves the theory difficulty for people that ignored CW,
5. It would be an easy to implement process if approved by the FCC and
6. It provides a middle ground solution for an ever increasing area of internal debate among hams.

Note, I have not suggested merging the 5 wpm test at this time because that minimal level of CW testing must be retained for compliance with international treaty. If, in the future, the international requirement goes away, then merging the 5 wpm testing might also be considered.

Bill Sohl K2UNK
ARRL Local Gov't Liaison, Mt. Olive Township, NJ
Visit the No-Code WEB site: http://www.nocode.org

```
From 5182848205903776791
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
```

X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: docdc@ix.netcom.com(Dale Harper)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/12
Message-ID: <5l5q9c$e8v@dfw-ixnews6.ix.netcom.com>#1/1
X-Deja-AN: 240955840
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
<5kv5vb$qbc@sjx-ixn7.ix.netcom.com> <5l2aiv$9ne@dfw-ixnews12.ix.netcom.com>
Organization: Netcom
X-NETCOM-Date: Sun May 11 8:03:40 PM CDT 1997
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In <5l2aiv$9ne@dfw-ixnews12.ix.netcom.com> kc5egg@ix.netcom.com(Gerald
Schmitt) writes:
>
>In <5kv5vb$qbc@sjx-ixn7.ix.netcom.com> docdc@ix.netcom.com(Dale
Harper)
>writes:
>>
>>In <33724D46.AFA@ccm.ch.intel.com> Cecil Moore
>><cecil_a_moore@ccm.ch.intel.com> writes:
>>>
>>>Dale Harper wrote:
>>>> The anti code crowd has been telling us otherwise, unless we drop
>>the
>>>> code of course. Dale
>>>
>>>Hi Dale, you must be a newcomer. There is no "anti-code crowd" and
>>there is
>>>no push to "drop the code". You must have mistaken such for the
>>anti-code-test
>>>crowd and the push to drop the code-testing. It's an easy mistake to
>>make.
>>>
>>>73, Cecil, W6RCA, OOTC
>>
>>Nope, not new at all and certainly not mistaken. I just enjoy
watching
>>the anti-code crowd twist the argument to fit the agenda.
>>Dale
>>
>
>Actually Dale you are rather new. The ink is hardly dry on you upgrade
>to general (congrats BTW) and you have not been a presence on the news
>groups all that long. To get an idea of how long Cecil has been around
>find out what OOTC means.

First off you haven't been checking QRZ lately. isn't that something

```
that irks you of others, I am not a general Class Jerry.

>What Cecil says is true those who oppose continued code testing do not
>call for an end to CW as an operating mode. Only the pro code testing
>crowd seems to make this leap of faith. Let's try it again. We do NOT
>advocate an end to code as a communicaions method only to stand-alone
>code TESTING. Get it?
>
>
>                                    Jerry

I disagree Jerry.
Dale




From 2370215572350256204
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: docdc@ix.netcom.com(Dale Harper)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/12
Message-ID: <5l5qu4$7hv@dfw-ixnews8.ix.netcom.com>#1/1
X-Deja-AN: 240961730
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
<5kv5vb$qbc@sjx-ixn7.ix.netcom.com> <337362E0.2F6B@ccm.ch.intel.com>
<5l0ldf$lml@sjx-ixn7.ix.netcom.com> <33742BA1.B52@delphi.com> <5l2bh1$8of@dfw-
ixnews11.ix.netcom.com>
Organization: Netcom
X-NETCOM-Date: Sun May 11  8:14:44 PM CDT 1997
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio


In <5l2bh1$8of@dfw-ixnews11.ix.netcom.com> kc5egg@ix.netcom.com(Gerald
Schmitt ) writes:
>
>In <33742BA1.B52@delphi.com> "Cecil A. Moore" <cecilmoore@delphi.com>
>writes:
>>
>>Dale Harper wrote:
>>> List yourself as number one. Call it what it is.
>>
>>You Sir, are a liar and deserve to be horsewhipped!!!!!
>
>Hi Cecil,
```

>
>Mr. Harper does indeed play fast and loose with the truth. Previously
>he made some rather grandiose claims which turned out to be implicity
>if not explicitly non factual. He is worth neither your time nor your
>logic as the reply will always be at the school yard level. Pursue
>worthy advisaries and leave the krill to the baleens.
>
>
>   73 Jerry
>

And what grandiose claims would that be Jerry, that I am dyslexic and attended the Oldman School of Education for it, that I hold a degree in special education, specifically oriented to dyslexia earned at Bowling Green State University, that I am a Doctor of Chiropractic with a degree earned at Palmer Chiropractic College, that I am licensed to practice in the States of Ohio, Michigan, and West Virginia?

Can you offer me any proof that the above is not true Jerry?

By the way, there are still two dyslexics who have passed the 13 wpm code Jerry. You and I.

From 8489435403769367566
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: ke4zv@bellsouth.net (Gary Coffman)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/12
Message-ID: <33767620.34102657@news.atl.bellsouth.net>#1/1
X-Deja-AN: 240962028
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <336FE0CE.14E3@calweb.com>
<3370ADAC.4BAA@ccm.ch.intel.com> <33712D9E.17BF@calweb.com>
<01bc5d9b$c012c1a0$bf95f5ce@wa6vse.fast.net> <3375200D.58FC@calweb.com>
<33753696.7DC7@ccm.ch.intel.com> <337553A1.25A@calweb.com>
<3375EAB9.3319@delphi.com>
Organization: Destructive Testing Systems
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

On Sun, 11 May 1997 08:50:17 -0700, "Cecil A. Moore" <cecilmoore@delphi.com>
wrote:

>Bob Miller wrote:
>> Perhaps Dr. Williamson could get on the net
>> and speak for himself and perhaps enlighten us all with his observations
>> and how the code has prevented him from contributing to the amateur
>> radio service.
>
>Hi Bob, If Dr. Williamson had time to get on the net, he might have time
>to learn Morse code.

Even I think that's lame, Cecil. If he doesn't have time to get on the net,
how could he have time to contribute to the ARS? I'd buy that he doesn't
want to *waste* his time arguing with us, but I don't buy the idea he literally
doesn't have the time.

Gary
```
Gary Coffman KE4ZV           | You Make It  | Email:
Destructive Testing Systems | We Break It  | ke4zv@bellsouth.net
534 Shannon Way              | Guaranteed   |         or
Lawrenceville, GA 30244      |              | ke4zv@radio.org
```

From 1211621598553881827
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/12
Message-ID: <3376F241.D9E@delphi.com>#1/1
X-Deja-AN: 241036192
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
<5kv5vb$qbc@sjx-ixn7.ix.netcom.com> <5l50uo$3nc@dolphin.cannet.com>
Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

T.L.Bryant wrote:
> ...and if they should get their wish, and code testing is abolished, the next
> thing you hear them say will be, "Why are we restricted to certain modes of
> communication on certain frequencies? These 'beepers' are hogging up valuable
> frequencies that could be used for more efficient modes of communicating!"

And if the aliens land, you will probably have your ham radio taken away. There are all sorts of scenarios unrelated to reality that you can worry about. Those more efficient modes are already allowed in the CW portion of the band because, on HF, there are no dedicated CW frequencies. All of them say "CW, RTTY, and data" or "CW, phone, and Image".

73, Cecil, W6RCA, OOTC

From 4690673413727103411
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/12
Message-ID: <3376F419.E2F@delphi.com>#1/1
X-Deja-AN: 241038398
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee> <3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net> <5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com> <5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com> <336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-ixn10.ix.netcom.com> <336CF780.15C5@delphi.com> <01bc58eb$33bfd4e0$74029ace@graham.surfsouth.com> <5kjku3$7lc@sjx-ixn6.ix.netcom.com> <01bc5da9$73ee8940$bf95f5ce@wa6vse.fast.net> <3375F001.59F1@calweb.com> <33764C8A.7433@delphi.com> <3376956A.3B7A@calweb.com>
Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

>Cecil, you are incredible.

Thanks Bob, but I'm not really. I'm just an aging old fart ham going blind and deaf ROTFL in my skivvies trying to drink a beer.

>But when a person is put
>on a marble throne as the Poster Kid for No Code...

Nope, that's not me. Got no throne and I'm far removed from being any kind of kid.

>As I said if you think you
>deserve the honor of wearing the Red Robe then do so.

Nope, you must have me confused with someone else. I don't even have any red skivvies. Just beer all over me from ROTFL.

>And if the above is not a slam at every ham that has a call with Two
>Alpha characters in front, then what is it.

It's <tic>, Bob. Get with the program. How come everybody can poke
fun at no-code techs and I can't poke fun at two alpha letter calls?
There's more than one way to play the "Real Ham" game.

>Me thinks I have poked too hard at you Cecil and for that I apologize.

Dang Bob, I thought you were joking - you mean you were serious? In that
case, meet me at the San Tan Mountain at high noon.

73, Cecil, W6RCA, OOTC

From 227162311475273321
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: kc5egg@ix.netcom.com(Gerald Schmitt)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/12
Message-ID: <5l7403$foe@dfw-ixnews4.ix.netcom.com>#1/1
X-Deja-AN: 241056852
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<01bc5a94$f4674700$d0a255ce@Gordon.ctaz.com> <33754E7F.58E3@en.com>
Organization: Netcom
X-NETCOM-Date: Mon May 12 7:55:31 AM CDT 1997
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In <33754E7F.58E3@en.com> Terry Morris <kb8amz@en.com> writes:
>
>Gordon Eade wrote:
>>
>> Mastering Morse code is a very difficult task. It takes many long
hours of
>> practice to gain the necessary degree of proficiency to pass the 20
wpm
>> test in all it takes approximately 80 hours of practice over about 8
>> months.
>Thats ridiculous, but maybe not for you. If a person spends 2 fifteen
>minute sessions per day for 3 - 4 weeks that person should be
proficient
>enough to copy 20 wpm. There is a stipulation though. The person must
>WANT TO LEARN the code.

This is an absolute load of crap. Like any other reflex skill the ability to copy Morse code varies widely from one individual to another. I am very used to accomplishing whatever I set out to do ad while I have passed my code hurdle is was by no means the cake walk you represent. In fact I had a far harder time than the original poster did. Please don't try and pass off that WANT TO LEARN crap on me.

My commute varies between 15 and 90 minutes. I had code tapes on every day for 2 years. It took over a year for me to hear the difference between letters reliably. Some peoples brains are better suited to thinking that being a modem, I seem to have one that is not well suited to modem work. OTOH when I did pass the code roadblock I found the written tests rather trivial, not because I memorized the question pool but because I understand the physics of the EM spectrum.

>
>> It takes another 5 years of practice to begin to approach the
proficiency
>> required to communicate with all but the very best operators on the
air.
>
> I telling you from experience. If you pass the code at 20 wpm and
then
>operate a 5 wpm, as long as your code is not QLF, you will be
operating
>proficiently with anyone that QSO's with you at 5 wpm. However, if you
>passed the 20 wpm code I can't comprehend why you would want to
operate
>at a slower speed, unless you JUST WANTED to operate slower or work
>someone that sends at a slower speed. Geez, is it really that
>difficult???
>
>> Some day I hope to master the code, but I fear it is another 5 years
away.
> You're a quitter; a loafer; a whiner; a procrastenator. If you
>continue to make excuses you'll never feel at ease at 20 wpm.

You're an arrogant egocentric horse's ass. You are a poster child for the "drive people away from ham radio" crowd. Why indeed would he want to feel at ease at 20 WPM if people like you are what he can expect to find on CW. My recomendation to the original poster is to find a way to pass the stupid haszing and then turn your back on code forever. If this fellow with all the harsh words for you is representitive of CW ops forget them. If he has really offended you then work it out by working against institutional support for an obsolete mode.

>
>Practice...Practice...Practice, you'll get there, someday, SOON if you
>REALLY want to pass the test. GOOD LUCK!
>
>73, KB8AMZ

From -8855254461919146836
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: kd1hz@anomaly.ideamation.com.nospam (Michael P. Deignan)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/12
Message-ID: <5l706i$2uc@anomaly.ideamation.com>#1/1
X-Deja-AN: 241058070
References: <33236044.339E@kerrlake.com> <5l2c8p$is0$1@nnrp01.primenet.com>
<3375E8E0.5F5A@delphi.com> <3375B89A.710C@ibm.net>
Organization: The Ace Tomato Company
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <3375B89A.710C@ibm.net>, Roger, W6VZV <rogerjb@ibm.net> wrote:

>It just baffles me why so many people think that it is a good idea to
>make getting a ham license as big of a pain in the ass as possible.
>Tests, tests, and more tests, and for what? Why not have one theory/reg
>test that tests whether an applicant can safely and legally operate his
>station, and leave it at that.

Heck.... Why even bother with that? Why not just put a 3x5"
Business Reply Mail (Newington, CT) Index Card in the box of every
transceiver sold? The card can say:

AFFIDAVIT

I acknowledge that I have received a copy of FCC CFR Part 97, have
read and understood the terms within, and agree to abide by the
rules and regulations as set forth therein when operating this radio.

Signed: _______________________   Date: ____/____/____

We can even let people make up their own callsigns too. KE8QZY is
too confusing. THings like "Big Mama", "Yo Daddy", and "Crazy Eddie"
are much easier to remember...

MD
--
-- Ted Kennedy has killed more people with his car than I have
-- with my guns.
--

-- If you don't like my opinions, that's just too damn bad.

From -1556271460079016907
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/12
Message-ID: <01bc5ed6$26acc380$7d95f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 241059139
References: <33236044.339E@kerrlake.com> <5l2c8p$is0$1@nnrp01.primenet.com>
<3375E8E0.5F5A@delphi.com> <3375B89A.710C@ibm.net>
<5l706i$2uc@anomaly.ideamation.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Michael P. Deignan <kd1hz@anomaly.ideamation.com.nospam> wrote in article
<5l706i$2uc@anomaly.ideamation.com>...
> In article <3375B89A.710C@ibm.net>, Roger, W6VZV <rogerjb@ibm.net> wrote:
>
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> >make getting a ham license as big of a pain in the ass as possible.
> >Tests, tests, and more tests, and for what? Why not have one theory/reg
> >test that tests whether an applicant can safely and legally operate his
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>
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> transceiver sold? The card can say:
>
>   AFFIDAVIT
>
> I acknowledge that I have received a copy of FCC CFR Part 97, have
> read and understood the terms within, and agree to abide by the
> rules and regulations as set forth therein when operating this radio.
>
> Signed: _______________________   Date: ____/____/____
>
>
> We can even let people make up their own callsigns too. KE8QZY is
> too confusing. THings like "Big Mama", "Yo Daddy", and "Crazy Eddie"
> are much easier to remember...

Whoa, Mikey ... be careful ... your roots are showing ...

Carl - wa6vse
wa6vse@fast.net

From -7233193437968992237
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/12
Message-ID: <01bc5ed6$a3c46260$7d95f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 241059665
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
<5kv5vb$qbc@sjx-ixn7.ix.netcom.com> <5l50uo$3nc@dolphin.cannet.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

T.L.Bryant <tbryant@cannet.com> wrote in article
<5l50uo$3nc@dolphin.cannet.com>...
>
> ...and if they should get their wish, and code testing is abolished, the
next
> thing you hear them say will be, "Why are we restricted to certain modes
of
> communication on certain frequencies? These 'beepers' are hogging up
valuable
> frequencies that could be used for more efficient modes of
communicating!"
>
> Tom - N8ECW

And what part of the bands would that be that you're referring to????

Do you mean the small segments on 6m and 2m that are the ONLY
"CW only" segments in all of our bands???

Or are you under the mistaken assumption that the areas where phone
is prohibited are "CW only" ??? Guess again ... modern digital modes
are already on equal footing with CW there ... you beepers may resent
it, but it's reality ...

Carl - wa6vse

wa6vse@fast.net

From -4394811401614552349
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/12
Message-ID: <01bc5ed8$2e9e3b80$7d95f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 241061374
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kgon1$sge$1@nnrp01.primenet.com>
<01bc58c6$b8925d20$66029ace@graham.surfsouth.com>
<33740d4f.26583817@netnews.worldnet.att.net> <33761AB1.410C@rida.net>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Alan <jobs@rida.net> wrote in article <33761AB1.410C@rida.net>...
> Let's not continue the lowering of standards in this country. May CW is
> not loved by all, but it is not so hard to learn, really. If the hobby
> has value to you, learn the code. If we scratch the code, next will be
> theory and then will be.....................

Ridiculous ... the FCC will NEVER eliminate theory for what's *supposed*
to be a technically-oriented, experimental service ... they didn't
establish
ham radio for the sort of competive games, electronic paintball
competition,
collect "10-10 numbers" sort of crap that some of you twits have perverted
it into ... with the encouragment and support of the twits at the ARRL ...

> Keep the code, it has value as a filter if nothing else.

For filtering out what? Competent people, perhaps ... certainly not lids
twits, and cretins ... just listen to the coded hams on 80m and 20m ...
the vast majority of brand-new no-code techs behave MUCH better ...

Carl - wa6vse
wa6vse@fast.net

From 6633318169468027056
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: docdc@ix.netcom.com(Dale Harper)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/12
Message-ID: <5l7631$27f@dfw-ixnews11.ix.netcom.com>#1/1
X-Deja-AN: 241062850
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
<5kv5vb$qbc@sjx-ixn7.ix.netcom.com> <5l50uo$3nc@dolphin.cannet.com>
Organization: Netcom
X-NETCOM-Date: Mon May 12 8:31:13 AM CDT 1997
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In <5l50uo$3nc@dolphin.cannet.com> tbryant@cannet.com (T.L.Bryant)
writes:
>
>:>Hi Dale, you must be a newcomer. There is no "anti-code crowd" and
>:there is
>:>no push to "drop the code". You must have mistaken such for the
>:anti-code-test
>:>crowd and the push to drop the code-testing. It's an easy mistake to
>:make.
>:>
>:>73, Cecil, W6RCA, OOTC
>:
>:Nope, not new at all and certainly not mistaken. I just enjoy
watching
>:the anti-code crowd twist the argument to fit the agenda.
>:Dale
>
>...and if they should get their wish, and code testing is abolished,
the next
>thing you hear them say will be, "Why are we restricted to certain
modes of
>communication on certain frequencies? These 'beepers' are hogging up
valuable
>frequencies that could be used for more efficient modes of
communicating!"
>
>Tom - N8ECW

I agree Tom, I agree.

From 1389888417303007028
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Jim Cummings <jcumming@clark.dgim.doc.ca>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/12
Message-ID: <33775264.2F4E@clark.dgim.doc.ca>#1/1
X-Deja-AN: 241070598
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
<5kv5vb$qbc@sjx-ixn7.ix.netcom.com> <5l50uo$3nc@dolphin.cannet.com>
Organization: The Communications Research Centre
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

T.L.Bryant wrote:
>
> :>Hi Dale, you must be a newcomer. There is no "anti-code crowd" and
> :there is
> :>no push to "drop the code". You must have mistaken such for the
> :anti-code-test
> :>crowd and the push to drop the code-testing. It's an easy mistake to
> :make.
> :>
> :>73, Cecil, W6RCA, OOTC
> :
> :Nope, not new at all and certainly not mistaken. I just enjoy watching
> :the anti-code crowd twist the argument to fit the agenda.
> :Dale
>
> ...and if they should get their wish, and code testing is abolished, the next
> thing you hear them say will be, "Why are we restricted to certain modes of
> communication on certain frequencies? These 'beepers' are hogging up valuable
> frequencies that could be used for more efficient modes of communicating!"
>
> Tom - N8ECW

As far as I know, the US is the only administration that sub-allocates the
amateur bands, whereby certain emissions are prohibited in certain portions
of the bands. Considering that the rest of the world is able to cope without
sub-band allocations, and there is indeed no call for the eradication of the

use of Morse code, then Bryant's conclusion has no basis in fact and is mere conjecture without foundation.

The pro-code testing advocates can't have it both ways; on the one hand, they claim that its popularity legitimizes a government sponsored welfare program that will spit out ineptly trained Morse code decoders, the need for which is merely speculative, rather than having any legitimate spectrum management goals. While on the other hand, cringe at the thought that if the Morse code testing program was to be eliminated, then those who use that mode will be subject to a possible prohibition of their mode of choice. The pro-code crowd seemingly resent (or perhaps more rightly, are in abject terror of) the concept that the use of Morse code should be able to survive on its own merits, rather than having to depend upon a government program.

73 and live better digitally
Jim, VE3XJ

From 3951961286300404511
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Todd Little <little@ameritech.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/12
Message-ID: <33774A6C.4F9@ameritech.net>#1/1
X-Deja-AN: 241098218
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
<5kv5vb$qbc@sjx-ixn7.ix.netcom.com> <337362E0.2F6B@ccm.ch.intel.com>
<5l2c8p$is0$1@nnrp01.primenet.com>
Followup-To: rec.radio.amateur.policy
Organization: Ameritech Interactive Media Services, Inc.
Reply-To: little@ameritech.net
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

CrACKeD wrote:
>
> Cecil Moore <cecil_a_moore@ccm.ch.intel.com> wrote:
> : Dale Harper wrote:
> : > Nope, not new at all and certainly not mistaken. I just enjoy watching
> : > the anti-code crowd twist the argument to fit the agenda. Dale
>
> : OK Dale, the onus is on you. How about a list of the anti-code crowd?
>

> You can kick off the list with me on top, then you can visit No-Code
> International on the web and add a few more hundred to the list, to start.

From the http://www.nocode.org/ opening page:

"No-Code International is a new temporary organization dedicated to the abolition of the Morse code requirement for all classes of Amateur Radio license. We intend to disband the organization as soon as the Morse Code requirement has been eliminated in all English-speaking countries."

In a quick scan of their web site, I find no references to eliminating, banning, or restricting the use of Morse Code by radio amateurs. The debate is about mandatory Morse Code *TESTING*. This keeps getting twisted into something else by certain members of the "Pro-Code Testing Party"(tm), presumably as an attempt to drum up support of those that otherwise wouldn't support their position.

If CrACKeD is truly in favor of eliminating Morse Code and not just the mandatory testing related to it, I believe he stands nearly alone in that stance. Certainly No-Code International does not advocate that position.

73,
Todd
N9MWB

PS   Followup to rec.radio.amateur.policy.

--
Unsolicited business offers sent to my e-mail address will be considered a request for me to proofread the offer and in turn reimburse me $500 for my time and effort for each offer received. Receipt of said e-mail constitutes acceptance of this offer. Let dick@durbin.senate.gov and senator@moseley-braun.senate.gov know what you think of e-mail SPAM.

From 7995437375893993716
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Greg Emerson <gregemmy@lni.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/12
Message-ID: <33776D3F.5B4E@lni.net>#1/1

X-Deja-AN: 241167836
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kgon1$sge$1@nnrp01.primenet.com>
<01bc58c6$b8925d20$66029ace@graham.surfsouth.com>
<33740d4f.26583817@netnews.worldnet.att.net> <33761AB1.410C@rida.net>
<5l5jc5$4c4@dfw-ixnews9.ix.netcom.com>
Organization: Technology Dimensions Inc. 114 E Elm Ave Monroe,MI 48162
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Gerald Schmitt wrote:

>Actually Alan for some people it is not all that easy. Apparently is
>was reasonably easy for you but it can be very difficult to impossible
>for others. Saying "it is not so hard" strikes a nerve in folks who
>expended massive effort to master code, even worse for those who simply
>could never do it.

So what about the people that have a hard time with theory? I know people who had an easy time with the code but a bear of a time with the theory. Why shouldn't they be crying "get rid of the theory and make the code tests harder"! You say CW is obsolete? Well, in ten years that hard theory test information will be, too. The stuff the electronics schools were teaching ten years ago about the 8088 processor is ancient history now.

This whole discussion is getting more ridiculous by the second. Who can sound smarter than whom....Who can use the biggest words...The anti-code people won't listen to anything the CW people are saying.

But then, what do I know? I'm just a stupid Extra. At least that is what it sounded like someone was making reference to. Whew!!!!!!!

Greg WG8N

From 5726132101683180749
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,849b3546b92269d1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,849b3546b92269d1,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 1619bf,849b3546b92269d1,start
X-Google-Attributes: gid1619bf,public
From: Steve Murphy <steve@pactitle.com>
Subject: WTB: old 2-mtr or 440 ht
Date: 1997/05/12
Message-ID: <3377F7C0.204B@pactitle.com>#1/1
X-Deja-AN: 241235211

Organization: Pacific Title and Art Studio
Newsgroups: rec.ham-radio,rec.radio.cb,sci.electronics.degign

Looking to purchase an old HT. Needs to be in the 2 meter or
440 band, single frequency (crystal) would be fine. Need only
transmit section at 100mW for DTMF remote control application.
I don't need the battery pack or antenna. Phoenix/ L.A. area.
Thanks,

Steve KD6NQA
Please reply to steve@pactitle.com

From -4877169943072348428
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Cecil Moore <cecil_a_moore@ccm.ch.intel.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/12
Message-ID: <3377ACDE.7AA6@ccm.ch.intel.com>#1/1
X-Deja-AN: 241360665
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kgon1$sge$1@nnrp01.primenet.com>
<01bc58c6$b8925d20$66029ace@graham.surfsouth.com>
<33740d4f.26583817@netnews.worldnet.att.net> <33761AB1.410C@rida.net>
<5l5jc5$4c4@dfw-ixnews9.ix.netcom.com> <33776D3F.5B4E@lni.net>
Organization: Intel Corp.
Reply-To: cecil_a_moore@ccm.ch.intel.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Greg Emerson wrote:
> Why shouldn't they be crying "get rid of the theory and make the code
> tests harder"!

Hi Greg, simple answer - the theory test is relevant - the code test is not.
This is not a Morse Code Service - this is an Amateur Radio Service.

> You say CW is obsolete? Well, in ten years that hard theory test information
> will be, too.

Of course, the theory test will need to be dynamically updated as time passes
just as it has been in the past. The Morse code test is what has stagnated.

> This whole discussion is getting more ridiculous by the second.

Maybe a quote from the President and Board of Directors of the Radio
Amateurs of Canada, Inc. would help: "To suggest that the code be
viewed as a 'filter mechanism' to exclude those unable or unwilling
to learn the code, is discriminatory".

73, Cecil, W6RCA, OOTC

From -5576326599721342715
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: ke4zv@bellsouth.net (Gary Coffman)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/13
Message-ID: <3377c957.8634553@news.atl.bellsouth.net>#1/1
X-Deja-AN: 241198809
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kgon1$sge$1@nnrp01.primenet.com>
<01bc58c6$b8925d20$66029ace@graham.surfsouth.com>
<33740d4f.26583817@netnews.worldnet.att.net> <33761AB1.410C@rida.net>
<5l5jc5$4c4@dfw-ixnews9.ix.netcom.com> <33776D3F.5B4E@lni.net>
Organization: Destructive Testing Systems
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

On Mon, 12 May 1997 19:19:27 +0000, Greg Emerson <gregemmy@lni.net> wrote:
>Gerald Schmitt wrote:
>
>>Actually Alan for some people it is not all that easy. Apparently is
>>was reasonably easy for you but it can be very difficult to impossible
>>for others. Saying "it is not so hard" strikes a nerve in folks who
>>expended massive effort to master code, even worse for those who simply
>>could never do it.
>
>So what about the people that have a hard time with theory? I know
>people who had an easy time with the code but a bear of a time with the
>theory. Why shouldn't they be crying "get rid of the theory and make the
>code tests harder"! You say CW is obsolete? Well, in ten years that hard
>theory test information will be, too. The stuff the electronics schools
>were teaching ten years ago about the 8088 processor is ancient history
>now.

The stuff electronics schools teach about application hardware is always obsolete, usually before the ink dries on your diploma. That's why the amateur theory exams don't ask about specific hardware implementations. They ask about fundamental theory. *That never changes*. Maxwell's equations are just as true today as they ever were. Ohm's Law is still as valid today as it was when I was licensed. Inductors still have inductance and capacitors still have capacitance, just like they always did. Kirchhoff's laws still hold, and are just as useful today as they ever were. Etc. Theory lasts forever (unless some shocking discovery overturns it, which is *extremely* unlikely here given the myriad proofs of fundamental electrical theory we have down through the years). If you don't understand that, then you don't understand the fundamentals you need to know to be an amateur, Extra Class license or no Extra Class license.

Gary
```
Gary Coffman KE4ZV           | You Make It  | Email:
Destructive Testing Systems  | We Break It  | ke4zv@bellsouth.net
534 Shannon Way              | Guaranteed   |         or
Lawrenceville, GA 30244      |              | ke4zv@radio.org
```

From -3845569034269857981
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: kc5egg@ix.netcom.com(Gerald Schmitt)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/13
Message-ID: <5l8p31$2mt@sjx-ixn10.ix.netcom.com>#1/1
X-Deja-AN: 241213895
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
<5kv5vb$qbc@sjx-ixn7.ix.netcom.com> <5l50uo$3nc@dolphin.cannet.com>
Organization: Netcom
X-NETCOM-Date: Mon May 12 9:01:37 PM PDT 1997
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In <5l50uo$3nc@dolphin.cannet.com> tbryant@cannet.com (T.L.Bryant)
writes:
>
>:>Hi Dale, you must be a newcomer. There is no "anti-code crowd" and
>:there is
>:>no push to "drop the code". You must have mistaken such for the
>:anti-code-test
>:>crowd and the push to drop the code-testing. It's an easy mistake to

>:make.
>:>
>:>73, Cecil, W6RCA, OOTC
>:
>:Nope, not new at all and certainly not mistaken. I just enjoy
watching
>:the anti-code crowd twist the argument to fit the agenda.
>:Dale
>
>...and if they should get their wish, and code testing is abolished,
the next
>thing you hear them say will be, "Why are we restricted to certain
modes of
>communication on certain frequencies? These 'beepers' are hogging up
valuable
>frequencies that could be used for more efficient modes of
communicating!"
>
>Tom - N8ECW
>
>
>
Actually Tom under current rules the CW band plan spectrum can already
be used for more efficient modes of communications. RTTY the tors and
Clover are all narrow band so they can be used on the "CW" portions of
the bands. But since they are so efficient they don't have to "hog the
bands".

Jerry

From -4040707706644876878
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: kc5egg@ix.netcom.com(Gerald Schmitt)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/13
Message-ID: <5l8o1e$r6v@dfw-ixnews9.ix.netcom.com>#1/1
X-Deja-AN: 241223233
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
<5kv5vb$qbc@sjx-ixn7.ix.netcom.com> <5l2aiv$9ne@dfw-ixnews12.ix.netcom.com>
<5l5q9c$e8v@dfw-ixnews6.ix.netcom.com>

```
Organization: Netcom
X-NETCOM-Date: Mon May 12 10:43:42 PM CDT 1997
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio


In <5l5q9c$e8v@dfw-ixnews6.ix.netcom.com> docdc@ix.netcom.com(Dale
Harper) writes:
>
>In <5l2aiv$9ne@dfw-ixnews12.ix.netcom.com> kc5egg@ix.netcom.com(Gerald
>Schmitt ) writes:
>>
>>In <5kv5vb$qbc@sjx-ixn7.ix.netcom.com> docdc@ix.netcom.com(Dale
>Harper)
>>writes:
>>>
>>>In <33724D46.AFA@ccm.ch.intel.com> Cecil Moore
>>><cecil_a_moore@ccm.ch.intel.com> writes:
>>>>
>>>>Dale Harper wrote:
>>>>> The anti code crowd has been telling us otherwise, unless we drop
>>>the
>>>>> code of course. Dale
>>>>
>>>>Hi Dale, you must be a newcomer. There is no "anti-code crowd" and
>>>there is
>>>>no push to "drop the code". You must have mistaken such for the
>>>anti-code-test
>>>>crowd and the push to drop the code-testing. It's an easy mistake
to
>>>make.
>>>>
>>>>73, Cecil, W6RCA, OOTC
>>>
>>>Nope, not new at all and certainly not mistaken. I just enjoy
>watching
>>>the anti-code crowd twist the argument to fit the agenda.
>>>Dale
>>>
>>
>>Actually Dale you are rather new. The ink is hardly dry on you
upgrade
>>to general (congrats BTW) and you have not been a presence on the
news
>>groups all that long. To get an idea of how long Cecil has been
around
>>find out what OOTC means.
>
>First off you haven't been checking QRZ lately. isn't that something
>that irks you of others, I am not a general Class Jerry.

You were a few weeks ago when you asked me to check thus my statment is
true. I have things to do other than keep track of your license class.
```

>
>>What Cecil says is true those who oppose continued code testing do
not
>>call for an end to CW as an operating mode. Only the pro code testing
>>crowd seems to make this leap of faith. Let's try it again. We do NOT
>>advocate an end to code as a communicaions method only to stand-alone
>>code TESTING. Get it?
>>
>>
>>   Jerry
>
>I disagree Jerry.
>Dale

What do you disagree with? Do you think we should end CW as a
communications method? That seems to be what you are saying. Sorry old
man I must disagree we should keep the code as a legal way to
communicate just end the testing.

                                Jerry

From 1499102542381696001
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "The Incredible!!" <joe@blow.com>
Subject: Re: CW should die, not the "hobby" SO SHOULD THE THREAD
Date: 1997/05/13
Message-ID: <01bc5f60$6290fee0$c54de0c7@holmes>#1/1
X-Deja-AN: 241227433
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
Organization: epix Internet Services
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Enough............................
                  T/I !

From -99692379719864159
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public

```
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Graham" <not@public.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/13
Message-ID: <01bc5f4b$ce150040$5e029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 241240719
References: <33236044.339E@kerrlake.com> <5l2c8p$is0$1@nnrp01.primenet.com>
<3375E8E0.5F5A@delphi.com> <3375B89A.710C@ibm.net>
<5l706i$2uc@anomaly.ideamation.com>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio


Michael P. Deignan <kd1hz@anomaly.ideamation.com.nospam> wrote >
AFFIDAVIT
>
> I acknowledge that I have received a copy of FCC CFR Part 97, have
> read and understood the terms within, and agree to abide by the
> rules and regulations as set forth therein when operating this radio.
>
> Signed: _______________________     Date: ____/____/____
>
>
> We can even let people make up their own callsigns too. KE8QZY is
> too confusing. THings like "Big Mama", "Yo Daddy", and "Crazy Eddie"
> are much easier to remember...
>
> MD

Now THATS funny! Thanks Michael.

K4XA




From 8519370078492430700
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Graham" <not@public.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/13
Message-ID: <01bc5f4b$6488bcc0$5e029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 241240796
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
```

```
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <336FE0CE.14E3@calweb.com>
<3370ADAC.4BAA@ccm.ch.intel.com> <33712D9E.17BF@calweb.com>
<01bc5d9b$c012c1a0$bf95f5ce@wa6vse.fast.net> <3375200D.58FC@calweb.com>
<33753696.7DC7@ccm.ch.intel.com> <337553A1.25A@calweb.com>
<3375EAB9.3319@delphi.com> <33761AD7.347C@calweb.com>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio


----------------------SNIP----------------------
> Read his "Oregon Trail" sometime for a glimpse at real genius and
> fortitude even if his version of history may tend to push the
> envelope of truth from time to time.
>
>    Bob, KE6F
>

Give'em hell Bob!

K4XA




From -1199392229722569947
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Graham" <not@public.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/13
Message-ID: <01bc5f4a$44b40b80$5e029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 241243651
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-
ixn10.ix.netcom.com> <336CF780.15C5@delphi.com>
<01bc58eb$33bfd4e0$74029ace@graham.surfsouth.com> <5kjku3$7lc@sjx-
ixn6.ix.netcom.com> <01bc5da9$73ee8940$bf95f5ce@wa6vse.fast.net>
<3375F001.59F1@calweb.com> <33764C8A.7433@delphi.com> <3376956A.3B7A@calweb.com>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio


Bob Miller <bmiller@calweb.com> wrote in article
<3376956A.3B7A@calweb.com>...
```

> Cecil, you are incredible. Through innuendo you have inferred that
> I am a Nazi, a Communist, a Fascist, and God only know what else based
> solely on my commentaries regarding the loss of civility on ham radio as
> it pertains to the code v no code argument.

--------------------------SNIP most of a good post----------------

Well spoken, Bob. They can't take it when someone disagrees with them.

73,
Graham

From -3732667331148135649
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Terry Morris <kb8amz@en.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/13
Message-ID: <33781EBE.26B2@en.com>#1/1
X-Deja-AN: 241247300
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<01bc5a94$f4674700$d0a255ce@Gordon.ctaz.com> <33754E7F.58E3@en.com>
<33769604.6558@delphi.com>
Organization: en.com
Reply-To: kb8amz@en.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Cecil A. Moore wrote:
>
> Terry Morris wrote:
> > There is a stipulation though. The person must WANT TO LEARN the code.
>
> So you are telling us that the guy who tried for 20 years to get to
> 13wpm didn't want to learn the code? Say Terry, do you really want
> to learn how to dunk a basketball? If you only want to learn how,
> then you can.
>
> 73, Cecil, W6RCA, OOTC
Done that in '64 while a junior in high school. Next metaphor.

73, Terry

```
From -3202558729550035640
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Terry Morris <kb8amz@en.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/13
Message-ID: <337820EF.4FEE@en.com>#1/1
X-Deja-AN: 241248751
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <336FE0CE.14E3@calweb.com>
<3370ADAC.4BAA@ccm.ch.intel.com> <33712D9E.17BF@calweb.com>
<01bc5d9b$c012c1a0$bf95f5ce@wa6vse.fast.net> <3375200D.58FC@calweb.com>
<33753696.7DC7@ccm.ch.intel.com> <337553A1.25A@calweb.com>
<3375EAB9.3319@delphi.com>
Organization: en.com
Reply-To: kb8amz@en.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
```

Cecil A. Moore wrote:
>
> Bob Miller wrote:

> > The reject from an asylum is your metaphor and your
> > lopsided analysis, not mine.
> If it doesn't apply to you, why do you respond to it? Some people believe
> that Dr. Williamson is a lower-class ham simply because he doesn't know
> Morse code. Are you one of them? If not, my statement didn't apply to you.

There are neither lower-class, middle-class, nor upper-class
distinctions of amateur radio ops. I do not concur with this discourse.

73, KB8AMZ

```
From 3380758456071451012
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
```

X-Google-Attributes: gid10bf43,public
From: "Graham" <not@public.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/13
Message-ID: <01bc5f4a$feb00b60$5e029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 241254867
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kgon1$sge$1@nnrp01.primenet.com>
<01bc58c6$b8925d20$66029ace@graham.surfsouth.com>
<33740d4f.26583817@netnews.worldnet.att.net> <33761AB1.410C@rida.net>
<5l5jc5$4c4@dfw-ixnews9.ix.netcom.com> <33776D3F.5B4E@lni.net>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

> Gerald Schmitt wrote:
>
> >Actually Alan for some people it is not all that easy. Apparently is
> >was reasonably easy for you but it can be very difficult to impossible
> >for others. Saying "it is not so hard" strikes a nerve in folks who
> >expended massive effort to master code, even worse for those who simply
> >could never do it.

Which is EXACTLY what you egg heads do to the people who found the code was easy and the theory was hard. So, if we use your faulty logic we should drop the theory and make the code test harder. See, won't float will it?

K4XA

From 5056643377761585375
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: billsohl@planet.net (Bill Sohl)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/13
Message-ID: <5l9d1q$91@jupiter.planet.net>#1/1
X-Deja-AN: 241263520
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kgon1$sge$1@nnrp01.primenet.com>
<01bc58c6$b8925d20$66029ace@graham.surfsouth.com>

<33740d4f.26583817@netnews.worldnet.att.net> <33761AB1.410C@rida.net>
<5l5jc5$4c4@dfw-ixnews9.ix.netcom.com> <33776D3F.5B4E@lni.net>
<01bc5f4a$feb00b60$5e029ace@graham.surfsouth.com>
Organization: Mount Olive Township (NJ) Emergency Management
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

"Graham" <not@public.com> wrote:
>Which is EXACTLY what you egg heads do to the people who found the code was
>easy and the theory was hard. So, if we use your faulty logic we should
>drop the theory and make the code test harder. See, won't float will it?

It makes no difference if code is easy or hard. The issue is
and continues to be that it (code testing) no longer
deserves to be a separate pass/fail test element to gain
HF access. There's NO compelling reason today to force
anyone to learn CW for HF access, much less advanced
speeds up to 20wpm for additional privaledges having nothing
to do with any need to operate CW at all.

Bill Sohl K2UNK
ARRL Local Gov't Liaison, Mt. Olive Township, NJ
Visit the No-Code WEB site: http://www.nocode.org

From 6205928793111687300
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/13
Message-ID: <01bc5f9d$de8b3320$6895f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 241276097
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <336FE0CE.14E3@calweb.com>
<3370ADAC.4BAA@ccm.ch.intel.com> <33712D9E.17BF@calweb.com>
<01bc5d9b$c012c1a0$bf95f5ce@wa6vse.fast.net> <3375200D.58FC@calweb.com>
<33753696.7DC7@ccm.ch.intel.com> <337553A1.25A@calweb.com>
<3375EAB9.3319@delphi.com> <337820EF.4FEE@en.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Terry Morris <kb8amz@en.com> wrote in article <337820EF.4FEE@en.com>...
> Cecil A. Moore wrote:
> >
> > Bob Miller wrote:
>
> > > The reject from an asylum is your metaphor and your
> > > lopsided analysis, not mine.
> > If it doesn't apply to you, why do you respond to it? Some people
believe
> > that Dr. Williamson is a lower-class ham simply because he doesn't know
> > Morse code. Are you one of them? If not, my statement didn't apply to
you.
>
> There are neither lower-class, middle-class, nor upper-class
> distinctions of amateur radio ops. I do not concur with this discourse.
>
> 73, KB8AMZ

Terry,

I am glad that you, personally, don't feel this way, but ... unfortunately
..
many coded hams do ... to many of them, the main achievment of their
entire lives seems to be that they passed the 13 or 20 wpm Morse test
so they could go back to sleep and remain technically ignorant, awaking
only for the occasional "move" in some radio-based version of paintball
wars (or "king of the hill," or whatever game it happens to be), collect
another "10-10 number" or gather another piece of wallpaper
... something that they've convinced themselves is "the true meaning
of ham radio" ... it's pathetic and it's killing ham radio ...

Carl - wa6vse
wa6vse@fast.net

From -5142985636275579816
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: tbryant@cannet.com (T.L.Bryant)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/13
Message-ID: <5l9qo0$afv@dolphin.cannet.com>#1/1
X-Deja-AN: 241276349
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>

```
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
<5kv5vb$qbc@sjx-ixn7.ix.netcom.com> <5l50uo$3nc@dolphin.cannet.com>
<5l8p31$2mt@sjx-ixn10.ix.netcom.com>
Organization: cannet.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
```

```
>Actually Tom under current rules the CW band plan spectrum can already
>be used for more efficient modes of communications. RTTY the tors and
>Clover are all narrow band so they can be used on the "CW" portions of
>the bands. But since they are so efficient they don't have to "hog the
>bands".
>
>                                Jerry
```

There's a big difference between a band plan and where a mode is predominately
used. Listen to 7.000 to 7.050 and tell me how much RTTY and AMTOR you hear
compared to 7.075 to 7.100 Mhz.

Tom - N8ECW

```
From 1542962167285411665
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: gtk@mis.haselow.com (Greg Kopp)
Subject: Re: QRZ KC5ZEZ BRYAN LAWSON
Date: 1997/05/06
Message-ID: <gtk-0605971356080001@gkopp.haselow.com>#1/1
X-Deja-AN: 239791061
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <5khcku$obf@newshost.vvm.com>
<01bc58c3$d2f3eec0$66029ace@graham.surfsouth.com>
Organization: Haselow Marketing Communications
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
```

In article <01bc58c3$d2f3eec0$66029ace@graham.surfsouth.com>, "Joe Mama"
<up@yours.com> wrote:

> Bryan Lawson <lucky13@vvm.com> wrote in article

> <5khcku$obf@newshost.vvm.com>...
> > >Joe Mama wrote:
> > >> --... ...-- --..-- -.- ....- -..- .-
> > >>
> > >> For you no code losers thats: 73, K4XA
> >
> >
> > I have no problem with code being a requirement. I think it offers those
> > who do not know code a challenge or goal to work towards in order to gain
> > more privileges. It stresses technical competency.
> >
> > Just because one doesn't know code doesn't make them a "loser". I don't
> > know code (yet), but I am still a licensed amateur radio operator. I
> enjoy
> > the friendly people on the local people, and I occassionally make a dx
> > contacts with a friendly ham. I'm just happy that, and I really hate to
> > use this expression, "assholes" like K4XA aren't one of the people I have
> > spoken with.
>
> Hi Bryan,
>
> Sorry if you thought it was harsh, or if it offended you. But, according to
> your post, you intend to LEARN the code. So my post was not directed at
> you. Only the people who DON'T intend to learn it but continue to gripe
> about it. Also, to answer your question, it is required because the code is
> the simple core of amateur communications. If all else fails, you can still
> send code. Bottom line is it doesn't matter WHY its required. Only that it
> IS required. You don't have to be an ace at the code to upgrade. Its not
> that hard. And sorry, but it does not require that much time. I have 2 kids
> myself so I don't have much time at all. It requires effort and commitment
> and thats why most people piss and moan about it. Good luck, hope you get
> the up-grade you want.
>
> 73,
> K4XA
> Graham Crosby

I don;t want to get invloved in this thread, but I needed to add to what Graham has said about learning the code. I know a couple of EXTRA class hams, who passed the code and the tests, but don;t know a damn thing about Amateur Radio and couldn;t copy code at 5 WPM, let alone 20. Myself, on the other hand, am a General. I am working on my Advanced, but I refuse to just MEMORIZE the questions and pass the test. But that's how I am doing it. However, it's been so long since I passed my 13 WPM, I am certain that I couldn't copy code at 5 WPM either. It does take practice.

If you haven;t taken your code requirement, do it. You'll be glad you did. I have a friend who is now an Advanced who had DXCC on 10 meters as a Technician. With the sun spot cycle coming back around, it's going to get good again!

73 de Greg N8JMS

From -1755887313317869902
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Bob Miller <bmiller@calweb.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/06
Message-ID: <336FE0CE.14E3@calweb.com>#1/1
X-Deja-AN: 239859581
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee> <3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net> <5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com> <5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com> <336EC4C6.4724@delphi.com>
Organization: CalWeb Internet Services, Inc.
Reply-To: bmiller@calweb.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
NNTP-Posting-User: account=bmiller

Cecil A. Moore wrote:
>
> Joe Mama wrote:
> > No YOU don't get it! Why? BECAUSE IT IS A REQUIREMENT!
>
> Reminds me of a REQUIREMENT back in Texas when I was growing
> up. All the unwashed masses of no-coders born without a built-
> in beeper step to the vhf end of the bus. Nope, not allowed up
> front in the HF section with us lily-white beeping hams.
>
> 73, Cecil, W6RCA, OOTC

Oh come on now, Cecil. That is a real stretch in the CW v war. How about taking the game of golf. Probably a lot more dips out there batting a ball around with a really obsolete club. Why don't they just get some BIG shotguns out on the the course and do some real ballistic golf. Why use obsolete technology just trying to get to the 18 hole and a dry martini? Well it's tradition mate, pure and simple. Take away the tradition of CW and the house crumbles. Nothing else to debate.

73, Bob, KE6F and so on.

From -5848033762761140727
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Mark White <"markw"@Iconnect[REMOVE!!].net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/06
Message-ID: <5kovpd$pa5$1@connect3.iconnect.net>
X-Deja-AN: 239889265
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <336BE7F8.63D@worldnet.att.net>
<336c09ea.56142285@news.atl.bellsouth.net> <5kij6r$phd@anomaly.ideamation.com>
<01bc58e1$22704440$26f010d0@cmx00101.up.net>
Organization: I Connection, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Larry A. Warsinski wrote:
>
> Michael P. Deignan <kd1hz@anomaly.ideamation.com> wrote in article
> <5kij6r$phd@anomaly.ideamation.com>...
> >
> > CW remains a requirement because the mode of operation is one of the
> > most popular on HF, surpassed only by SSB, and we don't have a SSB test
> > because the FCC assumes most people know how to push a button and speak
> > into a microphone.
> >
> > When CW diminishs to be a popular HF mode, surpassed by other modes
> > (such as up-and-coming digital modes) then it is entirely reasonable to
> > replace the CW examination with an examination on another mode.
> >
> Actually, you might be confusing cause and effect here. Perhaps the ONLY
> reason CW remains a popular mode is because the requirement still exists.
> I've heard a lot of accusations of "welfare state whining" leveled against
> the no-code people, but the pro-code rhetoric seems to follow the same idea
> of welfare-state entitlements: You can't take away "our" bands and give
> them to no-code people whose only claim to them is that they know the
> technical aspects of radio -- they MUST learn code."
>
> CW is diminishing, and the CW testing is given far more weight than the
> mode deserves even with its historical roots. If you don't "know" SSB, you
> can still get an HF license. If you don't know ATV, PACTOR, AMTOR, RTTY,
> GTOR, or may of the other modes, you still can upgrade. Antiquated CW is
> the ONLY PASS-FAIL mode. This simply is not right.
>
> >
> > >The truth is that the ITU has already agreed to end the requirement for
> Morse
> > >speed testing for every radio service except amateur (and that exception
> is
> > >only because no WRC has addressed amateur rules in the last decade). No

> > >compelling arguments could be made for its retention in any other
> service.
> >
> > Q: Why exactly has the ITU agreed to end the requirement for Morse for
> every
> >   radio service?
> >
> > A: Because those services have adopted other modes of operation and have
> >   by their actions eliminated morse.
> >
> > Q: How does this differ from the Amateur Service?
> >
> > A: The amateur service continues to use Morse heavily on HF.
> >
> > Q: So what?
> >
> > A: When morse use on HF declines, and other modes surpass it, then the
> >   time will arrive to eliminate the examination.
> >
>
> SSB HAS surpassed HF. Go ahead and eliminate the exam! Pull the exam, and
> watch the use of CW fall to its natural level.
>
> > MD
> > --
> > -- Ted Kennedy has killed more people with his car than I have
> > -- with my guns.
>
> (I like this --)
>
> > --
> > -- If you don't like my opinions, that's just too damn bad.
>
> And this works both ways <g>!
>
> --
>   --Larry A. Warsinski--
>   lwarsins@up.net
>
> OK OK OK I ADMIT IT!!!

I tried, but I have FINALLY gotten sucked into this stupid CW/anti CW debate! Damn!!

First off, if everyone on here spent their time ragchewing instead of bitching, er, I mean complaining maybe something could get accomplished, or at least opinions swayed a teeny bit.

Secondly, why can't people complain about some worthwhile arguement? Lemme see, in the utopic society CW gets abolished, then a little flood of people get their generals.... The years pass, but there is still this vocal core of whiners that never spent the effort to upgrade their writtens, after all, the advanced written IS a bear, all that theory and stuff.... Well what the hey!! You know, ALL THEORY IS RENDERED OBSOLETE DUE TO THE ADVENT OF SMT CONSTRUCTION!!! I shouldn't have to take this test! Its unfair!! If I can't work on my radio (because I don't have the tools or inclination) why should I be expected to know how and why it operates??!! So we would see this whole idiotic thread repeated, except on a slightly different subject, but probably by a lot of the same people. Wanting a true/false type test or some other way they perceive they could pass the test with minimal effort, but of course not minimal enough so those under them could attain it without effort too.

I suppose I am trying to say that fair or not can always be debated, but these are the requirements in this country, and comparing them to the rest of the world seem to be median. Do not be so resistant to learning something new, sure its effort but when time passes the things we earned with more effort we usually value more. If you think time spent learning CW (or most other things for that matter) is wasted time, what are you doing instead? Watching television? Sure seems like some of us here are NOT spending it talking to other like-minded souls through the aether. All the anti coders in this NG, have you tried talking DX? 2M SSB? How about 6 meters, anyone fool around with that? Plenty of opportunities to learn new things, meet new people. Do that instead of complaining here, or else bite the bullet and at least 'try' to learn CW. Maybe you will find it at least a tiny bit intriguing. Or do this, find some 6 part mini series on TV, and instead of watching it devote that time block to learning CW, and I bet you will be suprised if gosh darn you don't have a firm grip on it by the end of the mini series.

I hope nobody is offended by my using the term "CW" to describe morse code since it actually means continuous wave, the media which transmits the morse code tones.

Since people are going to be looking up my callsign to see what I have or have not done, I'll tell you now I'm a coded technician, yep only 5 WPM. So why should I advocate something I don't have? Because this is supposed to be a hobby, which means something fun, enjoyable, and which you become a better person by practicing. 2 months ago I decided to finally quit talking about it and upgrade, so I passed my general written and now am working on getting my code up to speed. I am planning on taking the advanced written in 2 weeks. It is difficult, especially the code part because with a job, wife, and two year old son my commitments do not leave much time for me to do things I want or would like to do. But thats life, you can either complain or get on with it. I had been using a little homebrew 40 meter transceiver but bought a Yaesu HF rig, it makes it easier to make contacts or just to listen when I'm tired and don't want to QSO. I am hoping to pass my code elements end of June.

I do believe most everyone can do this if they put forth the effort, CERTAINLY much less effort than is wasted here on this subject.

73's DE N9OHS

From -5338222018861664174
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: plains.parson@NOSPAMworldnet.att.net (charlie ka9hrt)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/07
Message-ID: <336eb558.41893489@netnews.worldnet.att.net>#1/1
X-Deja-AN: 239857209
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <336BC298.6125@getonthe.net>
Organization: nomad
Reply-To: plains.parson@NOSPAMworldnet.att.net
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

On Sat, 03 May 1997 15:56:24 -0700, hossie <hossie@getonthe.net>
posted:

>Bill Sohl wrote:
>>
>> olyellr@iglou.com wrote:
-------------------[cut]-------------------
>
>Oh, come on, Bill! I think prospective hams should demonstrate an
>ability to make a coherer/decoherer, a sal ammonical wet rectifier, and
>a rotary spark-ga transmitter. Do away with those silly solid-state
>theory questions on the exams and test for important knowledge, like
>Type 57 plate characteristics and self-rectification. Don't forget a
>section on the pghlogiston theory of heat transfer.
>
>We must keep the hobby pure!
>
>
>KC0ES (with tongue firmly in cheeck)
hear, hear! ... at least *somebody* gets the point...

From 6922905145280836182
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd

X-Google-Attributes: gid10bf43,public
From: Cecil Moore <cecil_a_moore@ccm.ch.intel.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/07
Message-ID: <3370ADAC.4BAA@ccm.ch.intel.com>#1/1
X-Deja-AN: 240004485
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <336FE0CE.14E3@calweb.com>
Organization: Intel Corp.
Reply-To: cecil_a_moore@ccm.ch.intel.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Bob Miller wrote:
> Take away the tradition of CW and the house crumbles. Nothing else to debate.

Hi Bob, if there weren't houses crumbling all the time, there would be no
progress.
Keep CW as a historical landmark if you so choose but don't use the threat of
force from the federal government to keep us in the dark ages by prohibiting
the construction of new housing. Live in your rotting, termite ridden house if
you desire. But please allow the rest of us build something that will still be
standing when your house crashes down around you.

73, Cecil, W6RCA, OOTC

From -5491793697485056116
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Gordon Eade" <n7ei@ctaz.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/07
Message-ID: <01bc5a94$f4674700$d0a255ce@Gordon.ctaz.com>#1/1
X-Deja-AN: 240095486
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
Organization: Citizens Utility
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Mastering Morse code is a very difficult task. It takes many long hours of

practice to gain the necessary degree of proficiency to pass the 20 wpm
test in all it takes approximately 80 hours of practice over about 8
months.

It takes another 5 years of practice to begin to approach the proficiency
required to communicate with all but the very best operators on the air.

Some day I hope to master the code, but I fear it is another 5 years away.

73 n7ei@ctaz

From -6341380030232855873
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/07
Message-ID: <33716880.1E6F@delphi.com>#1/1
X-Deja-AN: 240140912
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-ixn10.ix.netcom.com> <336CF780.15C5@delphi.com>
<01bc58eb$33bfd4e0$74029ace@graham.surfsouth.com> <01bc5956$e2ad50c0$783b8080@cbx-nt>
Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Christopher Cox wrote:
> It is strange to note the really talented Amateur's I know hold Advanced
> tickets, not Extra. Never did ask them why they stopped.

Hi Christopher, not that I'm talented, but if you take the privileges
in kHz and divide by the wpm requirement, you will see that the advanced
class license gives the most privileges for the least amount of effort.
I could pass the extra written exam and probably pass a 20 wpm multiple
guess Morse code exam but why bother?

73, Cecil, W6RCA, OOTC

From 1417518512349092711

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Bob Miller <bmiller@calweb.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/07
Message-ID: <33712D9E.17BF@calweb.com>#1/1
X-Deja-AN: 240168473
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee> <3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net> <5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com> <5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com> <336EC4C6.4724@delphi.com> <336FE0CE.14E3@calweb.com> <3370ADAC.4BAA@ccm.ch.intel.com>
Organization: CalWeb Internet Services, Inc.
Reply-To: bmiller@calweb.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
NNTP-Posting-User: account=bmiller

Cecil Moore wrote:

> Bob Miller wrote:
> > Take away the tradition of CW and the house crumbles. Nothing else to debate.
>
> Hi Bob, if there weren't houses crumbling all the time, there would be no progress.
> Keep CW as a historical landmark if you so choose but don't use the threat of
> force from the federal government to keep us in the dark ages by prohibiting
> the construction of new housing. Live in your rotting, termite ridden house if
> you desire. But please allow the rest of us build something that will still be
> standing when your house crashes down around you.
>
> 73, Cecil, W6RCA, OOTC

Hi Cecil

Well sorry to report that the house is sound and not ready to fall down on my head. I just thing that if we pull too much tradition out of the hobby/service, then the mystique will also evaporate with it,,, nothing more. To apply a little hard logic I would say that all testing regarding ham radio licensing is a rite of passage--not just the code segment.

What most of the critics of code requirements seem to miss or dismiss is the highly romantic nature of the hobby. Even the technical side is steeped in romanticism and all you have to do is read someones source code comments to see it creeping into the thought process.

Perhaps ham radio has seen its time come and now it is time to hang it up.. I am quite serious on this point. The tecnhical requirements beyond regulatory items, are nearly all a priori exercises and mean little after the test is completed--much like your commentary on the alleged obsolete code requrirement.

You can cite anecdotal events where this person or that person did some slick engineering in the amateur radio venue, and I guess we all can and often do so. But in the main most hams just want to get the ticket and get on the air and chat about radios and computers and what ever else seems to come to mind. If their silicon toy from Japan goes on the fritz, its off to the factory. All the Smith Charts and Software in the world are not going to fix the thing. So why bother to learn reactance formulas and return loss calculations, and front end noise temperature calculations and so on...Never gunna use it. The ham who cant copy his own call sign probably can't calculate the inductive reactance of a capactor let alone the noise temperature of an LNA using Y factors and dual temperature terminations. But it does not matter. Those that can do and enjoy doing it..a rite of technical passage to go with the rite of code passage..a nice little package for all who want to play in the ham radio sand box..

I really don't see what the problem is once you rationalize the whole mess. Just dues, Cecil. Code is just the dues you must pay for admission just like useless technical dues...

Keep up the fight for what you belive, but please don't mix the metaphors so much...you will be happier.

Adios es 73

Bob,KE6F

From 2758710583041246448
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: myers@West.Sun.COM (Dana Myers)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/08
Message-ID: <5krrta$ds3@abyss.West.Sun.COM>#1/1
X-Deja-AN: 240157589
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com>
Organization: SunSoft South, Los Angeles, CA
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <5kh6f1$no3@anomaly.ideamation.com>,

Michael P. Deignan <kd1hz@anomaly.ideamation.com> wrote:
>In article <5kgsdh$q4l@jupiter.planet.net>,
>   Bill Sohl <billsohl@planet.net> wrote:
>
>>ARRL survey resulted in a majority, but nowhere of
>>the same magnitude as was the case even 5
>>years ago.
>
>5 years ago we didn't have a welfare license.

I normally ignore your "welfare" rhetoric, but this is
just too much. I'm guessing you're writing abou the
Technician license without code as a welfare license.

Free clue: code was dropped from the Technician license
over 6 years ago.

Ham radio has not, despite your colorful descriptions to the
contrary, gone to hell in handbasket.

Do you research your facts, or save the trouble by just making them
up? ;-)

```
--
 * Dana H. Myers K6JQ, DoD#: j  | Views expressed here are mine and should *
 * (310) 348-6043               | not be interpreted or represented as     *
 * Dana.Myers@West.Sun.Com      | those of Sun Microsystems, Inc.          *
```

From -4261293366051385426
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: andy@tiedye.com (The Tie-Dyed Side of the Force)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/08
Message-ID: <5kt1e3$b8b@masters0.InterNex.Net>#1/1
X-Deja-AN: 240252404
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<01bc5a94$f4674700$d0a255ce@Gordon.ctaz.com>
Organization: InterNex Information Services 1-800-595-3333
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <01bc5a94$f4674700$d0a255ce@Gordon.ctaz.com>,

```
   "Gordon Eade" <n7ei@ctaz.com> wrote:
>
>Mastering Morse code is a very difficult task.  It takes many long hours of
>practice to gain the necessary degree of proficiency to pass the 20 wpm
>test in all it takes approximately 80 hours of practice over about 8
>months.

If that were all it took, I'd have passed it years ago.
For that matter, if five times that were all it took, I'd have passed by now.




From 6057770046255435997
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Cecil Moore <cecil_a_moore@ccm.ch.intel.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/08
Message-ID: <33724D46.AFA@ccm.ch.intel.com>#1/1
X-Deja-AN: 240297375
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com>
Organization: Intel Corp.
Reply-To: cecil_a_moore@ccm.ch.intel.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio


Dale Harper wrote:
> The anti code crowd has been telling us otherwise, unless we drop the
> code of course. Dale

Hi Dale, you must be a newcomer. There is no "anti-code crowd" and there is
no push to "drop the code". You must have mistaken such for the anti-code-test
crowd and the push to drop the code-testing. It's an easy mistake to make.

73, Cecil, W6RCA, OOTC



From 6775333631066285180
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
```

X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: docdc@ix.netcom.com(Dale Harper)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/08
Message-ID: <5kthin$1qh@sjx-ixn10.ix.netcom.com>#1/1
X-Deja-AN: 240329169
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
Organization: Netcom
X-NETCOM-Date: Thu May 08 2:45:59 PM PDT 1997
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In <5krrta$ds3@abyss.West.Sun.COM> myers@West.Sun.COM (Dana Myers)
writes:
>
>In article <5kh6f1$no3@anomaly.ideamation.com>,
>Michael P. Deignan <kd1hz@anomaly.ideamation.com> wrote:
>>In article <5kgsdh$q4l@jupiter.planet.net>,
>>   Bill Sohl <billsohl@planet.net> wrote:
>>
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>>>the same magnitude as was the case even 5
>>>years ago.
>>
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>
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>Technician license without code as a welfare license.
>
>Free clue: code was dropped from the Technician license
>over 6 years ago.
>
>Ham radio has not, despite your colorful descriptions to the
>contrary, gone to hell in handbasket.
>
>Do you research your facts, or save the trouble by just making them
>up? ;-)
>

Glad to hear Ham radio isn't going to hell in a handbasket.
The anti code crowd has been telling us otherwise, unless we drop the
code of course.
Dale

From 3928709176350825671
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Todd Little <little@ameritech.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/08
Message-ID: <33726BC6.29C6@ameritech.net>#1/1
X-Deja-AN: 240402090
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
Followup-To: rec.radio.amateur.policy
Organization: Ameritech Interactive Media Services, Inc.
Reply-To: little@ameritech.net
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Cecil Moore wrote:
>
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> > code of course. Dale
>
> Hi Dale, you must be a newcomer. There is no "anti-code crowd" and there is
> no push to "drop the code". You must have mistaken such for the anti-code-test
> crowd and the push to drop the code-testing. It's an easy mistake to make.

In addition, the pro-code-testing camp is usually the ones moaning about
going to hell in a handbasket. There are several that post regularly to
this newsgroup that hold those licensed after 14-Feb-1991 as not worthy
of being amateurs radio operators. Those opposed to the code tests have
generally been concerned that amateur radio is just going to go away.

73,
Todd
N9MWB

PS   Please note the follow-up line and keep the discussion
     where it belongs.
--
Unsolicited business offers sent to my e-mail address will be considered
a request for me to proofread the offer and in turn reimburse me $500
for my time and effort for each offer received. Receipt of said e-mail
constitutes acceptance of this offer. Let dick@durbin.senate.gov
and senator@moseley-braun.senate.gov know what you think of e-mail SPAM.

From -6713413457762917581
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: jeffreyh@Hawaii.Edu (Jeffrey Herman)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/09
Message-ID: <5l0clb$rta@news.Hawaii.Edu>#1/1
X-Deja-AN: 240351322
References: <33236044.339E@kerrlake.com> <5kh6f1$no3@anomaly.ideamation.com>
<336c3e58.69565863@news.atl.bellsouth.net> <336D4CE0.74C6@getonthe.net>
Followup-To: rec.radio.amateur.policy
Organization: University of Hawaii
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Followup directed to .policy:

In article <336D4CE0.74C6@getonthe.net>, hossie <hossie@getonthe.net> wrote:
>the public officials here are most impressed by the legion of VHF
>stations which stand ready to track severe storms and provide early
>warning to local communities.

How is that any different than a collection of REACT CBers on 11m or GMRS willing to do the same voluntary duties? What may impress the officials is the number of folks willing to volunteer, not what freq'y they operate on.

(If we do away with *all* exams just think of how many more storm-trackers you have!)

>hossie

Is that a CB "handle"?

Jeff KH2PZ

From -8565349844018040157
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: docdc@ix.netcom.com(Dale Harper)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/09
Message-ID: <5kv5vb$qbc@sjx-ixn7.ix.netcom.com>#1/1

X-Deja-AN: 240602002
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
Organization: Netcom
X-NETCOM-Date: Fri May 09 5:40:11 AM PDT 1997
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In <33724D46.AFA@ccm.ch.intel.com> Cecil Moore
<cecil_a_moore@ccm.ch.intel.com> writes:
>
>Dale Harper wrote:
>> The anti code crowd has been telling us otherwise, unless we drop
the
>> code of course. Dale
>
>Hi Dale, you must be a newcomer. There is no "anti-code crowd" and
there is
>no push to "drop the code". You must have mistaken such for the
anti-code-test
>crowd and the push to drop the code-testing. It's an easy mistake to
make.
>
>73, Cecil, W6RCA, OOTC

Nope, not new at all and certainly not mistaken. I just enjoy watching
the anti-code crowd twist the argument to fit the agenda.
Dale

From -2960881511877208137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Cecil Moore <cecil_a_moore@ccm.ch.intel.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/09
Message-ID: <337362E0.2F6B@ccm.ch.intel.com>#1/1
X-Deja-AN: 240603155
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
<5kv5vb$qbc@sjx-ixn7.ix.netcom.com>
Organization: Intel Corp.

Reply-To: cecil_a_moore@ccm.ch.intel.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Dale Harper wrote:
> Nope, not new at all and certainly not mistaken. I just enjoy watching
> the anti-code crowd twist the argument to fit the agenda. Dale

OK Dale, the onus is on you. How about a list of the anti-code crowd?
I won't be on it cuz I'm on 40m CW a couple of times a week.

73, Cecil, W6RCA, OOTC

From 629422498711654862
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: docdc@ix.netcom.com(Dale Harper)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/10
Message-ID: <5l0ldf$lml@sjx-ixn7.ix.netcom.com>#1/1
X-Deja-AN: 240392781
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
<5kv5vb$qbc@sjx-ixn7.ix.netcom.com> <337362E0.2F6B@ccm.ch.intel.com>
Organization: Netcom
X-NETCOM-Date: Fri May 09 7:09:51 PM PDT 1997
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In <337362E0.2F6B@ccm.ch.intel.com> Cecil Moore
<cecil_a_moore@ccm.ch.intel.com> writes:
>
>Dale Harper wrote:
>> Nope, not new at all and certainly not mistaken. I just enjoy
watching
>> the anti-code crowd twist the argument to fit the agenda. Dale
>
>OK Dale, the onus is on you. How about a list of the anti-code crowd?
>I won't be on it cuz I'm on 40m CW a couple of times a week.
>
>73, Cecil, W6RCA, OOTC

List yourself as number one. Call it what it is.

```
From 2007652791390806405
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: plains.parson@NOSPAMworldnet.att.net (charlie ka9hrt)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/10
Message-ID: <33740d4a.26578795@netnews.worldnet.att.net>#1/1
X-Deja-AN: 240456983
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
Organization: nomad
Reply-To: plains.parson@NOSPAMworldnet.att.net
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio


On 4 May 1997 00:56:32 GMT, "Joe Mama" <up@yours.com> posted:
>> Mike, you DON'T get it.  We are not whining, we are making
>> the effort to eliminate code testing.  The question is WHY
>> should anyone now be orced to learn morse code?
>
>No YOU don't get it! Why? BECAUSE IT IS A REQUIREMENT!
... requirement, schmirement... the existence of such does *not* make
it right, appropriate, practical or useful as such...
>                                                        You ARE whining.
... for critically important purposes of accurately communicating
meaning, define 'whining' please...
>If you don't want to learn code then take your sorry ass back to channel 19.
... seems to be some foaming here, as it were... one would think that
all amateurs are commonly linked, not classist, biased, racist,
holier-than-thou... would that it were so...
>But just SHUT UP about it!
... please to remember, the usenet is about the expression and
exchange of thoughts and opinions... as in the media case of other
media content:  if it offends, kill-file/filter it out, turn it off,
don't read it...
>                            You want to up-grade? Learn the code.
... why should one need to learn 'code' to up-grade?
>                                                                   Its that
>simple. You won't EVER get it changed.
... dunno about that...
>                                        There are allot more of us than
>there are of you.
... that's 'a lot'; 'allot' means to 'reserve' or 'set aside' some
```

thing for some specific purpose or reason...
>   Get it?
... no
>   Now, GO STUDY YOUR CODE!
... why?
>
>--... ...-- --..-- -.- ....- -..- .-
>
>For you no code losers thats: 73, K4XA
... it is? looks like a bunch of pixels arranged in a visibly
horizontal, linear fashion on the monitor here... can't hear it (we
are supposed to hear it, are we not?), doesn't even bear resemblance
to the traditional audible quintenary code form (one assumes that is
what is being referenced here...

From -6865219506622860802
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: plains.parson@NOSPAMworldnet.att.net (charlie ka9hrt)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/10
Message-ID: <33740d4f.26583817@netnews.worldnet.att.net>#1/1
X-Deja-AN: 240475471
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kgon1$sge$1@nnrp01.primenet.com>
<01bc58c6$b8925d20$66029ace@graham.surfsouth.com>
Organization: nomad
Reply-To: plains.parson@NOSPAMworldnet.att.net
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

On 4 May 1997 20:04:47 GMT, "Joe Mama" <up@yours.com> posted:

>> What a brave guy, forging your headers. You'd be surprised how fast
>> things are changing. Code will eventually no longer be a licensing
>> requirement.
>>
>> CrACKeD <cracked@primenet.com>
>>
>
>I guess using the name CrACKeD is the height of bravery! By the way, they
>already have a hobby where the code is not required. Its called CB.
... lessee, if one recalls correctly, current licensure 'requirements'

for amateur radio also do not require 'code' (whatever that 'code'
is)... imho: amateur radio is not the 'code' (whatever that is), and
the 'code' (whatever that is) is not amateur radio -- never has been,
never will be...
>
>73, K4XA
>
>

From -8289927574934483727
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/10
Message-ID: <33742BA1.B52@delphi.com>#1/1
X-Deja-AN: 240491325
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
<5kv5vb$qbc@sjx-ixn7.ix.netcom.com> <337362E0.2F6B@ccm.ch.intel.com>
<5l0ldf$lml@sjx-ixn7.ix.netcom.com>
Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Dale Harper wrote:
> List yourself as number one. Call it what it is.

You Sir, are a liar and deserve to be horsewhipped!!!!!

From 1643056431477178223
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: docdc@ix.netcom.com(Dale Harper)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/10
Message-ID: <5l1j7i$6t4@sjx-ixn7.ix.netcom.com>#1/1

X-Deja-AN: 240506938
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
<5kv5vb$qbc@sjx-ixn7.ix.netcom.com> <337362E0.2F6B@ccm.ch.intel.com>
<5l0ldf$lml@sjx-ixn7.ix.netcom.com> <33742BA1.B52@delphi.com>
Organization: Netcom
X-NETCOM-Date: Sat May 10 3:38:42 AM PDT 1997
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In <33742BA1.B52@delphi.com> "Cecil A. Moore" <cecilmoore@delphi.com>
writes:
>
>Dale Harper wrote:
>> List yourself as number one. Call it what it is.
>
>You Sir, are a liar and deserve to be horsewhipped!!!!!

Careful, that's an antiquated mode.

From -4480335750760810621
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Greg Emerson <gregemmy@lni.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/10
Message-ID: <33744833.52BB@lni.net>#1/1
X-Deja-AN: 240574863
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <336BE7F8.63D@worldnet.att.net>
<336c09ea.56142285@news.atl.bellsouth.net> <5kij6r$phd@anomaly.ideamation.com>
<01bc58e1$22704440$26f010d0@cmx00101.up.net> <5kovpd$pa5$1@connect3.iconnect.net>
Organization: Technology Dimensions Inc. 114 E Elm Ave Monroe,MI 48162
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Mark White wrote:

>Secondly, why can't people complain about some worthwhile arguement?
>Lemme see, in the utopic society CW gets abolished, then a little flood
>of people get their generals.... The years pass, but there is still this
>vocal core of whiners that never spent the effort to upgrade their
>writtens, after all, the advanced written IS a bear, all that theory and

>stuff.... Well what the hey!! You know, ALL THEORY IS RENDERED OBSOLETE
>DUE TO THE ADVENT OF SMT CONSTRUCTION!!!

Good point, Mark! I was never much of an electronics "wiz" when I was younger (and still not proficient!) but I wanted to upgrade in the worse way so I studyed hard and passed the Advanced written which IS a bear! I would have LOVED to bypass that written and just take a 20 wpm code test to get Extra, but hey, it was a requirement. Even as Mark said it will all be OBSOLETE theory in a few years anyway, but it was a REQUIREMENT. Hmmmmm, obsolete, have I heard that word before somewhere?

I guess I should have jumped on the Newgroups (even though they didn't exist then) and started whining about it so hopefully the theory part would get dropped someday. Who wants all those "eggheads" in the hobby anyway? (notice the tongue-in-cheek, fellows)

I can see the subject line now.

Re: Theory should die, not the "hobby"

Beautiful, man, beautiful!

Greg WG8N

From -2330241898897722635
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Robert Gross <robtgross@worldnet.att.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/10
Message-ID: <33749D3C.22E1@worldnet.att.net>#1/1
X-Deja-AN: 240610163
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <336BE7F8.63D@worldnet.att.net>
<336c09ea.56142285@news.atl.bellsouth.net> <5kij6r$phd@anomaly.ideamation.com>
<01bc58e1$22704440$26f010d0@cmx00101.up.net> <5kovpd$pa5$1@connect3.iconnect.net>
<33744833.52BB@lni.net>
Organization: QCS
Reply-To: ROBTGROSS@WORLDNET.ATT.NET
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Read My Fist, No More Code!!!!!!!!!

From -1259740659329426909
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: kc5egg@ix.netcom.com(Gerald Schmitt)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/10
Message-ID: <5l2aiv$9ne@dfw-ixnews12.ix.netcom.com>#1/1
X-Deja-AN: 240644490
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
<5kv5vb$qbc@sjx-ixn7.ix.netcom.com>
Organization: Netcom
X-NETCOM-Date: Sat May 10 12:17:19 PM CDT 1997
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In <5kv5vb$qbc@sjx-ixn7.ix.netcom.com> docdc@ix.netcom.com(Dale Harper)
writes:
>
>In <33724D46.AFA@ccm.ch.intel.com> Cecil Moore
><cecil_a_moore@ccm.ch.intel.com> writes:
>>
>>Dale Harper wrote:
>>> The anti code crowd has been telling us otherwise, unless we drop
>the
>>> code of course. Dale
>>
>>Hi Dale, you must be a newcomer. There is no "anti-code crowd" and
>there is
>>no push to "drop the code". You must have mistaken such for the
>anti-code-test
>>crowd and the push to drop the code-testing. It's an easy mistake to
>make.
>>
>>73, Cecil, W6RCA, OOTC
>
>Nope, not new at all and certainly not mistaken. I just enjoy watching
>the anti-code crowd twist the argument to fit the agenda.
>Dale
>

Actually Dale you are rather new. The ink is hardly dry on you upgrade to general (congrats BTW) and you have not been a presence on the news groups all that long. To get an idea of how long Cecil has been around find out what OOTC means.

What Cecil says is true those who oppose continued code testing do not call for an end to CW as an operating mode. Only the pro code testing crowd seems to make this leap of faith. Let's try it again. We do NOT advocate an end to code as a communicaions method only to stand-alone code TESTING. Get it?

Jerry

From -1532725840538729673
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/10
Message-ID: <01bc5d6c$c3b80740$e390f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 240651182
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Joe Mama <up@yours.com> wrote in article
<01bc5826$4a23e840$77029ace@graham.surfsouth.com>...
> > Mike, you DON'T get it. We are not whining, we are making
> > the effort to eliminate code testing. The question is WHY
> > should anyone now be orced to learn morse code?
>
> No YOU don't get it! Why? BECAUSE IT IS A REQUIREMENT!

Many things that *used* to be "requirements" for LOTs of things are not longer ... "requirements" are not inviolate things that must remain unchanged for all eternity ... they must remain relevant in terms of today's technology and the needs of society (in this case the needs of ham radio in terms of future relevance and survival, too) in order to remain valid.

I'm sure that lots of places used to have speed limits designed to eliminate brake-kneck horse races down (then dirt) city streets. Today, the same boulevards are wider, paved with asphalt and have speed limits of 45-65 mph in many places, due to the use of autos and changes in society's needs.

Your argument is akin to asserting that our interstate highways
should be dirt roads with horse and carriage speed limits.

> You ARE whining. If
> you don't want to learn code then take your sorry ass back to channel 19.

You're the "sorry ass loser", sir ... you're so ignorant and narrow-minded
that you can't begin to imagine any progress or change from the rut that
you settled God knows how long ago ...

> But just SHUT UP about it! You want to up-grade? Learn the code. Its that
> simple. You won't EVER get it changed. There are allot more of us than
> there are of you. Get it? Now, GO STUDY YOUR CODE!

We refuse to be forced or intimidated into "worshiping the false god"
of your "Morseodist religious cult."

You have not right to try to force that on others, nor will we grant you
that right ...

And as for your idea that we'll "never get the rules changed" and that
"there are a lot more of you (code fanatics) than us (who favor and
recognize
the need for modernization)" .... DREAM on ... the olde fartz are dying off
and the majority of licensees will soon be no-coders ... LEARN TO LIVE
WITH IT ...

Carl - wa6vse
wa6vse@fast.net

From -5938380076320118047
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: kc5egg@ix.netcom.com(Gerald Schmitt)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/10
Message-ID: <5l2bh1$8of@dfw-ixnews11.ix.netcom.com>#1/1
X-Deja-AN: 240674085
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>

<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
<5kv5vb$qbc@sjx-ixn7.ix.netcom.com> <337362E0.2F6B@ccm.ch.intel.com>
<5l0ldf$lml@sjx-ixn7.ix.netcom.com> <33742BA1.B52@delphi.com>
Organization: Netcom
X-NETCOM-Date: Sat May 10 12:33:21 PM CDT 1997
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In <33742BA1.B52@delphi.com> "Cecil A. Moore" <cecilmoore@delphi.com>
writes:
>
>Dale Harper wrote:
>> List yourself as number one. Call it what it is.
>
>You Sir, are a liar and deserve to be horsewhipped!!!!!

Hi Cecil,

Mr. Harper does indeed play fast and loose with the truth. Previously
he made some rather grandiose claims which turned out to be implicity
if not explicitly non factual. He is worth neither your time nor your
logic as the reply will always be at the school yard level. Pursue
worthy advisaries and leave the krill to the baleens.

73 Jerry

From 3243270907804210168
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/10
Message-ID: <01bc5d72$00ccadc0$e390f5ce@wa6vse.fast.net>
X-Deja-AN: 240711014
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <336BE7F8.63D@worldnet.att.net>
<336c09ea.56142285@news.atl.bellsouth.net> <5kij6r$phd@anomaly.ideamation.com>
<01bc58e1$22704440$26f010d0@cmx00101.up.net> <5kovpd$pa5$1@connect3.iconnect.net>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Mark White <"markw"@Iconnect[REMOVE!!].net> wrote in article
<5kovpd$pa5$1@connect3.iconnect.net>...

>
> >
> > OK OK OK I ADMIT IT!!!
>
> I tried, but I have FINALLY gotten sucked into this stupid CW/anti CW
> debate! Damn!!
>
> First off, if everyone on here spent their time ragchewing instead of
> bitching, er, I mean complaining maybe something could get accomplished,
> or at least opinions swayed a teeny bit.
>
> Secondly, why can't people complain about some worthwhile arguement?
> Lemme see, in the utopic society CW gets abolished, then a little flood
> of people get their generals.... T

And a lot of people who wouldn't walk across the street to pick
up FREE Morse code keys/keyers/ paddles/etc. would have
the highest class of license based on their superior technical
abilities ... that would REALLY piss off the folks whose ONLY
claim to fame is the abilty to beep real fast ...

> the years pass, but there is still this
> vocal core of whiners that never spent the effort to upgrade their
> writtens, after all, the advanced written IS a bear, all that theory and
> stuff....

Give me a break ... I've worked over the years with hundreds and hundreds
of people who could pass the advanced and the extra written on any given
morning ... the ONLY reason many of them are not active, contributing
hams is that they're unwilling to waste their valuable time and energy
"perfecting skills" in "an art" from 1847 that they'll NEVER ...

>Well what the hey!! You know, ALL THEORY IS RENDERED OBSOLETE
> DUE TO THE ADVENT OF SMT CONSTRUCTION!!!

What an absurd assertion! You are obviously in the lower reaches of
the more technically ignorant portion of current hams if you really, truly
believe this ...

> I shouldn't have to take this test! Its unfair!!

ONLY rabid procoders have raised this red herring ... I have NEVER
seen a serious proponent of elminating code testing requrements
advocate the position that theory testing was irrelevant, or that theory
testing should be eliminated ... that's just a FUD-based red herring
thrown out by procoders to generate a smokescreen to cover the fact
that there's NO logical, rational, compelling reason to keep code testing.

> If I can't work on my radio (because I don't have the
> tools or inclination) why should I be expected to know how and why it
> operates??!!

If you can't work on your radio, you're not meeting the technical objectives of the Amateur Radio Service ... to encourage self-training, experimentation, etc. to maintain and develop a pool of radio and electronics "experts."

> Do not be so resistant to learning something new

Talk about "the pot calling the kettle black" !!! Morse hardly qualifies as "something new", since it was invented in 1847. Those of us who WANT to learn and develop truly new things through experimentation, construction, etc. have been hobbled for decades by antiquated rules requiring 1847 "skills."

It is the vast majority of pro-code fanatics who are, in fact, "resistant to learning something new" ... they're the ones who insist that "real radios glow in the dark", "real hams beep fast", "no-coders aren't real hams", etc., etc. They're ALSO the ones who complain about "all that newfangled digital stuff", have totally irrational fears about the potential for interference from new (to hams) techniques like spread spectrum that could provide many benifits, and are generally too damned cheap to invest even the price of a couple of nice dinners in a decent restaurant in modernizing their repitoir of gear and modes ... if they have packet, it's 1200 bps AFSK on 2m and it's primary use is to connect to a DX cluster for spotting purposes ...

> Since people are going to be looking up my callsign to see what I have or
>
> have not done, I'll tell you now I'm a coded technician, yep only 5 WPM.
> So why should I advocate something I don't have? Because this is supposed
>
> to be a hobby, which means something fun, enjoyable, and which you become
>
> a better person by practicing.

No, it's SUPPOSED to be a service (which some people participate in as an activity they enjoy ... some are actually more interested in the technical aspects than the competitive games aspects that have perverted ham radio in the past several decades ...

Most people apparently don't consider Morse to be fun (Yes, some do, and that's fine ... nobody's trying to stop them from using it if they so choose ...) even the ARRL's own surveys show that less than 40% of current hams EVER use Morse ... and of that 40% many likely only use it occasionally ....

> 2 months ago I decided to finally quit
> talking about it and upgrade, so I passed my general written and now am
> working on getting my code up to speed. I am planning on taking the
> advanced written in 2 weeks. It is difficult, especially the code part
> because with a job, wife, and two year old son my commitments do not
> leave much time for me to do things I want or would like to do. But thats

> life, you can either complain or get on with it.

Or you can work to change things ... there is no legitimate, valid,
rational,
compelling reason to force anyone to learn Morse ... if you really want to,
fine, but you should not be bullied into it by an antiquated testing
regieme
that bears no relationship to the technical or operational realities of
today,
let alone the future ...

> I do believe most everyone can do this if they put forth the effort,
> CERTAINLY much less effort than is wasted here on this subject.

Many of us don't believe that effort expended to achieve important
change and secure the future survival and growth of amateur radio
is "wasted" ...

Carl - wa6vse
wa6vse@fast.net

From -4879328816921706872
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: ke4zv@bellsouth.net (Gary Coffman)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/10
Message-ID: <3374cf00.6039011@news.atl.bellsouth.net>#1/1
X-Deja-AN: 240724268
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
<5kv5vb$qbc@sjx-ixn7.ix.netcom.com> <337362E0.2F6B@ccm.ch.intel.com>
<5l0ldf$lml@sjx-ixn7.ix.netcom.com> <33742BA1.B52@delphi.com> <5l1j7i$6t4@sjx-ixn7.ix.netcom.com>
Organization: Destructive Testing Systems
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

On 10 May 1997 10:38:42 GMT, docdc@ix.netcom.com(Dale Harper) wrote:

>In <33742BA1.B52@delphi.com> "Cecil A. Moore" <cecilmoore@delphi.com>
>writes:

>>
>>Dale Harper wrote:
>>> List yourself as number one. Call it what it is.
>>
>>You Sir, are a liar and deserve to be horsewhipped!!!!!
>
>Careful, that's an antiquated mode.

When your intent is to inflict pain and suffering, the old ways are
often best. That's why the slow torture of Morse is used for hazing
instead of a quick clean modern method.

Gary

```
Gary Coffman KE4ZV           | You Make It  | Email:
Destructive Testing Systems | We Break It  | ke4zv@bellsouth.net
534 Shannon Way             | Guaranteed   |         or
Lawrenceville, GA 30244     |              | ke4zv@radio.org
```

From -1704613350359310550
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/10
Message-ID: <01bc5d95$7cd25280$bf95f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 240749880
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <336BE7F8.63D@worldnet.att.net>
<336c09ea.56142285@news.atl.bellsouth.net> <5kij6r$phd@anomaly.ideamation.com>
<01bc58e1$22704440$26f010d0@cmx00101.up.net> <5kovpd$pa5$1@connect3.iconnect.net>
<33744833.52BB@lni.net>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Greg Emerson <gregemmy@lni.net> wrote in article <33744833.52BB@lni.net>...
> Mark White wrote:

> >Well what the hey!! You know, ALL THEORY IS RENDERED OBSOLETE
> >DUE TO THE ADVENT OF SMT CONSTRUCTION!!!

As I said before, what a ridiculous assertion ...

>
> Good point, Mark! I was never much of an electronics "wiz" when I was

> younger (and still not proficient!) but I wanted to upgrade in the worse
> way so I studyed hard and passed the Advanced written which IS a bear! I
> would have LOVED to bypass that written and just take a 20 wpm code test
> to get Extra, but hey, it was a requirement. Even as Mark said it will
> all be OBSOLETE theory in a few years anyway, but it was a REQUIREMENT.
> Hmmmmm, obsolete, have I heard that word before somewhere?

All theory will not be obsolete in a few years, but at the rate technology is progressing, there will be a lot of new stuff to learn ... that's why I favor
retesting at each license renewal ... too damned many hams that passed their tests in the 30s-60s took the attitude that there was nothing more to learn and stagnated right there ... that's why they're technically ignorant and inept today, and that doesn't do a damned thing towards meeting our chartered goals and purpose ... that's why our bands are being taken away for commercial services one by one ...

Carl - wa6vse
wa6vse@fast.net

```
From 1124768621867099546
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/10
Message-ID: <01bc5d9b$c012c1a0$bf95f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 240756572
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <336FE0CE.14E3@calweb.com>
<3370ADAC.4BAA@ccm.ch.intel.com> <33712D9E.17BF@calweb.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
```

Bob Miller <bmiller@calweb.com> wrote in article
<33712D9E.17BF@calweb.com>...
> Cecil Moore wrote:
> >
> > Bob Miller wrote:
> > > Take away the tradition of CW and the house crumbles. Nothing else
to debate.

> >
> > Hi Bob, if there weren't houses crumbling all the time, there would be
no progress.
> > Keep CW as a historical landmark if you so choose but don't use the
threat of
> > force from the federal government to keep us in the dark ages by
prohibiting
> > the construction of new housing. Live in your rotting, termite ridden
house if
> > you desire. But please allow the rest of us build something that will
still be
> > standing when your house crashes down around you.
> >
> > 73, Cecil, W6RCA, OOTC
>   Hi Cecil
>   Well sorry to report that the house is sound and not ready to
> fall down on my head. I just thing that if we pull too much
> tradition out of the hobby/service, then the mystique will also
> evaporate with it,,, nothing more.

There IS NOT "mystique" to Morse any more ... 50 or 60 years
ago when communications were somewhere between nonexistent
and primitive, folks found Morse via radio fascinating and exciting
and it HAD some "mystique" ... today when compared to cellphones,
the internet, satellite communications and other modern, every-day
technology available to the ordinary citizen, it's "ho, hum" BORING
to the vast majority of people (except those who yearn for "the simpler
days" and pursue antiquated pursuits and collect antique curiosities)

>To apply a little hard logic

Hardly ... more like narrow-minded emotionalism ...

> I would say that all testing regarding ham radio licensing is
> a rite of passage--not just the code segment.

Baloney ... the theory is a valid, relevant requirement, even
though the testing methodology needs fixing and the material
is largely outdated ...

>   What most of the critics of code requirements seem to miss
> or dismiss is the highly romantic nature of the hobby.

Have you been sniffing that solder flux solvent again or what???

>   Perhaps ham radio has seen its time come and now it is time
> to hang it up.. I am quite serious on this point. The tecnhical
> requirements beyond regulatory items, are nearly all a priori
> exercises and mean little after the test is completed--much like
> your commentary on the alleged obsolete code requrirement.

Testing needs to be made relevant and methodology fixed to assure
that applicants really understand the radio/electronics theory, rather

than having simply stuffed some answers into short term memory.

> You can cite anecdotal events where this person or that
> person did some slick engineering in the amateur radio venue, and I
> guess we all can and often do so.

And there'd be a LOT more of that if the Morse hazing ritual were abandoned, technical rules modernized, and that sort of invention and innovation were encouraged rather than looked at with fear and distrust by a bunch of incompetent olde fartz who can't understand the benefits and fear what they can't understand ... you know, the "get the hell off of 'MY' frequency with that newfangled digital stuff" crowd ...

> But in the main most hams just want
> to get the ticket and get on the air and chat about radios and
> computers and what ever else seems to come to mind. If their
> silicon toy from Japan goes on the fritz, its off to the factory.

If more hams were more technically comptent, they'd be more able to fix their own gear ... contrary to popular appliance operator propaganda, the trend towards suface mount construction does NOT preclude fix it yourself, it just means you have to learn some new techniques ... and it doesn't take thousands of dollars worth of specialized equipment either ...

In fact, if hams were more technically competent, they might actually BUILD more of their own gear ... either from scratch or from kits (a resurgence of kits would certainly occur if there were more people capable of building them).

> I really don't see what the problem is once you rationalize
> the whole mess. Just dues, Cecil. Code is just the dues you must
> pay for admission just like useless technical dues...

At least you admit that code testing is nothing more than a useless hazing ritual ... but your assertions WRT theory are totally bogus.

> Keep up the fight for what you belive, but please don't
> mix the metaphors so much...you will be happier.
>
>
> Adios es 73
>
> Bob,KE6F

Carl - wa6vse
wa6vse@fast.net

From -2095889374822697915
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Cecil Moore <cecil_a_moore@ccm.ch.intel.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/10
Message-ID: <33751728.3DCE@ccm.ch.intel.com>#1/1
X-Deja-AN: 240767745
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
<5kv5vb$qbc@sjx-ixn7.ix.netcom.com> <337362E0.2F6B@ccm.ch.intel.com>
<5l0ldf$lml@sjx-ixn7.ix.netcom.com> <33742BA1.B52@delphi.com> <5l1j7i$6t4@sjx-ixn7.ix.netcom.com>
Organization: Intel Corp.
Reply-To: cecil_a_moore@ccm.ch.intel.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Dale Harper wrote:
>
> In <33742BA1.B52@delphi.com> "Cecil A. Moore" <cecilmoore@delphi.com>
> writes:
> >
> >Dale Harper wrote:
> >> List yourself as number one. Call it what it is.
> >
> >You Sir, are a liar and deserve to be horsewhipped!!!!!
>
> Careful, that's an antiquated mode.

Rather appropriate for antiquated evils like bold-faced lies. Remember you
invited me to "call it what it is" - so I did.

73, Cecil, W6RCA, OOTC

From -3899295053175598284
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Cecil Moore <cecil_a_moore@ccm.ch.intel.com>

Subject: Re: CW should die, not the "hobby"
Date: 1997/05/10
Message-ID: <337519FB.3499@ccm.ch.intel.com>#1/1
X-Deja-AN: 240771368
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
<5kv5vb$qbc@sjx-ixn7.ix.netcom.com> <337362E0.2F6B@ccm.ch.intel.com>
<5l0ldf$lml@sjx-ixn7.ix.netcom.com> <33742BA1.B52@delphi.com> <5l2bh1$8of@dfw-ixnews11.ix.netcom.com>
Organization: Intel Corp.
Reply-To: cecil_a_moore@ccm.ch.intel.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Gerald Schmitt wrote:
> Pursue worthy advisaries and leave the krill to the baleens.

But Jerry, it's so tempting to enter an intellectual battle with an
unarmed adversary.

73, Cecil, W6RCA, OOTC

From 6373774350011211610
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Bob Miller <bmiller@calweb.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/10
Message-ID: <3375200D.58FC@calweb.com>
X-Deja-AN: 240772725
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <336FE0CE.14E3@calweb.com>
<3370ADAC.4BAA@ccm.ch.intel.com> <33712D9E.17BF@calweb.com>
<01bc5d9b$c012c1a0$bf95f5ce@wa6vse.fast.net>
To: "Carl R. Stevenson" <wa6vse@fast.net>
Organization: CalWeb Internet Services, Inc.
Reply-To: bmiller@calweb.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
NNTP-Posting-User: account=bmiller

Carl R. Stevenson wrote:
>
> Bob Miller <bmiller@calweb.com> wrote in article
> <33712D9E.17BF@calweb.com>...
> > Cecil Moore wrote:
> > >
> > > Bob Miller wrote:
> > > > Take away the tradition of CW and the house crumbles. Nothing else
> to debate.
> > >
> > > Hi Bob, if there weren't houses crumbling all the time, there would be
> no progress.
> > > Keep CW as a historical landmark if you so choose but don't use the
> threat of
> > > force from the federal government to keep us in the dark ages by
> prohibiting
> > > the construction of new housing. Live in your rotting, termite ridden
> house if
> > > you desire. But please allow the rest of us build something that will
> still be
> > > standing when your house crashes down around you.
> > >
> > > 73, Cecil, W6RCA, OOTC
> >   Hi Cecil
> >   Well sorry to report that the house is sound and not ready to
> > fall down on my head. I just thing that if we pull too much
> > tradition out of the hobby/service, then the mystique will also
> > evaporate with it,,, nothing more.
>
> There IS NOT "mystique" to Morse any more ... 50 or 60 years
> ago when communications were somewhere between nonexistent
> and primitive, folks found Morse via radio fascinating and exciting
> and it HAD some "mystique" ... today when compared to cellphones,
> the internet, satellite communications and other modern, everyday
> technology available to the ordinary citizen, it's "ho, hum" BORING
> to the vast majority of people (except those who yearn for "the simpler
> days" and pursue antiquated pursuits and collect antique curiosities)
>
> >To apply a little hard logic
>
> Hardly ... more like narrow-minded emotionalism ...
>
> > I would say that all testing regarding ham radio licensing is
> > a rite of passage--not just the code segment.
>
> Baloney ... the theory is a valid, relevant requirement, even
> though the testing methodology needs fixing and the material
> is largely outdated ...
>
> >   What most of the critics of code requirements seem to miss
> > or dismiss is the highly romantic nature of the hobby.
>
> Have you been sniffing that solder flux solvent again or what???

>

Well, it had to happen sooner or later. I mean the smart ass
remark about sniffing and so on. Why can't you rascals maintain
any kind of decorum with your commentaries. You tout technical
progress yet you argue with the mentality of gutter rats with
your crass insults and innuendo.   You might make a little more
headway in you case for a no code ham system if you in fact
paid more attention to the tradition and less to half baked
arguments. All I've seen so far is glittering and less than glittering
generalities and snide cheap shots with very little substance.
Please! Tell all how the technical level of our hobby will
rise like the Phoenix when code is no longer part of the entry
mechanism. Give me three solid examples. Hell, give me at least one
that is not full of vague and apocryphal rankings. What I have
said about our technical testing is true and it needs more than
a little fixing. Both of us have made similar observations of the
sad state of affairs our ham operations are in--yet we seem to be
on different planets in our quest for the holy grail of radio
amateur salvation. I see a number of causal agents that are tearing
at the fabric of our hobby, you choose to take a singular and
purely emotional and often vengeful mission citing CW as
Satan incarnate without so much as a clue as to the rest of the problems
facing the hobby.

> > Perhaps ham radio has seen its time come and now it is time
> > to hang it up.. I am quite serious on this point. The technical
> > requirements beyond regulatory items, are nearly all a priori
> > exercises and mean little after the test is completed--much like
> > your commentary on the alleged obsolete code requirement.
>
> Testing needs to be made relevant and methodology fixed to assure
> that applicants really understand the radio/electronics theory, rather
> than having simply stuffed some answers into short term memory.

Ok fine. What would you do to fix it up? Come on now Carl. You
and your sidekicks are good at taking the cheap shots at anyone who
tries to have a civilized interchange, so how about dropping the
horseshoe facade of the almighty expert and tell us folks in the
wings how you guys want to rebuild (I guess re-engineer is the new
buzzword in the industry) the amateur radio service.   We anxiously
wait your plan and just shooting the CW messenger is not good
enough. I want some tangible suggestions on how we can fix
the testing process that will ensure to a degree that our amateur radio
hobby/service will indeed serve the public's interest.

>
> > You can cite anecdotal events where this person or that
> > person did some slick engineering in the amateur radio venue, and I
> > guess we all can and often do so.
>
> And there'd be a LOT more of that if the Morse hazing ritual were
> abandoned, technical rules modernized, and that sort of invention

> and innovation were encouraged rather than looked at with fear and
> distrust by a bunch of incompetent olde fartz who can't understand
> the benefits and fear what they can't understand ... you know, the

Well am I to assume from your comment that I am an incompetent
olde farte? My My. Getting a little emotional now are we. Old Fart
my fat ass. What have you contributed to the hobby as a whole in the
last two years. Have you published any articles that provided state
of the art information for your fellow hams to study and review? Have
you given any assistance, instruction or free equipment to a budding
amateur lately? Or have you accumulated enough test equipment to
set up a facility so you can fix your gear if it breaks? Or do
you just spend your every waking hour sitting in front of the PC
tapping out vitriolic dogma to entertain your droogs?

> "get the hell off of 'MY' frequency with that newfangled digital stuff"

That kind of interchange is as old as the hobby, spark v cw,
am v cw, am v ssb, ssb v am. and so on. Keeps us on our toes. Hell,
if these digital toys are so damn good they should whir right
through the cw guys with ease. Yup Yup!

> crowd ...
>
> > But in the main most hams just want
> > to get the ticket and get on the air and chat about radios and
> > computers and what ever else seems to come to mind. If their
> > silicon toy from Japan goes on the fritz, its off to the factory.
>
> If more hams were more technically competent, they'd be more
> able to fix their own gear ... contrary to popular appliance operator
> propaganda, the trend towards surface mount construction does
> NOT preclude fix it yourself, it just means you have to learn some
> new techniques ... and it doesn't take thousands of dollars worth
> of specialized equipment either ...

I agree 10000 percent on this one. You can set up a first
class shop with nifty HP test gear and tektronics scopes and so on
for less than the price of a used HF rice box. No bloody excuse for
not taking care of your junk and learning how it works and if you
can get the parts off the board without roaching the board then go for
it.

>
> In fact, if hams were more technically competent, they might
> actually BUILD more of their own gear ... either from scratch
> or from kits (a resurgence of kits would certainly occur if there
> were more people capable of building them).
>

Again I agree 10000 percent. The prophets of doom say that
hams can't get parts to build with. If ever there was a MYTH propagated,
the no parts MYTH is it. Never in the history of the ham radio service
hobby has so much good stuff been available and and microcents on the
dollar. Unfortunately the so call experts intimidate a lot of

the newcomers into thinking that it takes a Ph.D. to design and build complex equipment. Nothing could be further from the truth. All it takes is a good pile of old CQs, QSTs, 73,s Ham Radio mag, and so on to illustrate the accomplishments of our amateur radio service to give them the needed exposure and hopefully sink the metaphorical magic hook into their emotional centers. That is what I have not been able to put across in my prior postings. I am not proposing that we should cloak the hobby in mysticism, just invoke the magic that pulls us into the hobby be it technical or even Morse if it works for them. A simple concept that is difficult to explain when everyone is too busy ranting from their high altitude soap boxes.

> > I really don't see what the problem is once you rationalize
> > the whole mess. Just dues, Cecil. Code is just the dues you must
> > pay for admission just like useless technical dues...
>
> At least you admit that code testing is nothing more than a useless
> hazing ritual ... but your assertions WRT theory are totally bogus.

I did not say code testing is a useless hazing ritual. It is indeed a ritual and as I study this process in more detail I have come to believe it is an excellent ritual for all hams to partake in. If it were possible I would suggest that all hams, when they passed a specific level of code and technical testing, be taken to a quiet outdoor place, bon fires would be set, drums would pound, bamboo flutes would play, and each candidate would go through a real rite of passage ceremony where the license, in the form of some metal icon, would be presented to the initiate. And with this initiation the new ham would be lauded for his accomplishments in getting to his/her current level, but he/she would be admonished as to what would be expected in the future. Technical competence would be but one continuing quest with code as another skill to master and maintain.

Carl, I would like to think that you and your buddies are sincere in your concern for the welfare of the hobby/service. It would be even more convincing if somehow the debate could be tempered with enumerated suggestions or steps by which a no code system could be worked our, or perhaps some schema that would allow the continued use of code testing in a form that will satisfy those who would feel cheated if their dues had been paid only to have the accomplishment denigrated by saying that their struggles were meaningless. The operational relevance of CW is not an issue nor is the efficiency of our current data systems anything to shout about either. When the crap hits the fans you will find that an adhocracy of mixed modes seems to form automatically and for reasons that are too difficult to explain in this venue, ham radio just works despite all of its archaic trappings..works well.
> >

Tnx for the read. I'm tired. I don't usually get wrapped up in these head knocking contests, but I was baby sitting my grandson today and at 6 weeks he could not offer me a lot of conversation although the grins are sure cute.

73

Bob Miller, KE6F

> > Adios es 73
> >
> > Bob,KE6F
>
> Carl - wa6vse
> wa6vse@fast.net
>
>

From 4883039261175089493
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Cecil Moore <cecil_a_moore@ccm.ch.intel.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/10
Message-ID: <33752102.4811@ccm.ch.intel.com>#1/1
X-Deja-AN: 240774927
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <336FE0CE.14E3@calweb.com>
<3370ADAC.4BAA@ccm.ch.intel.com> <33712D9E.17BF@calweb.com>
<01bc5d9b$c012c1a0$bf95f5ce@wa6vse.fast.net>
Organization: Intel Corp.
Reply-To: cecil_a_moore@ccm.ch.intel.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Carl R. Stevenson wrote:
> Have you been sniffing that solder flux solvent again or what???

Hi Carl, it's worse than that. Most old hams that I know and knew (SKs), chewed on lead-based solder while they built gadgets. I'll bet if older hams were tested for lead-poisoning, it would be shown to be rampant.

73, Cecil, W6RCA, OOTC

From -3078415435420914165

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Cecil Moore <cecil_a_moore@ccm.ch.intel.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/10
Message-ID: <33753696.7DC7@ccm.ch.intel.com>#1/1
X-Deja-AN: 240785675
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <336FE0CE.14E3@calweb.com>
<3370ADAC.4BAA@ccm.ch.intel.com> <33712D9E.17BF@calweb.com>
<01bc5d9b$c012c1a0$bf95f5ce@wa6vse.fast.net> <3375200D.58FC@calweb.com>
Organization: Intel Corp.
Reply-To: cecil_a_moore@ccm.ch.intel.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Bob Miller wrote:
> Hell, give me at least one that is not full of vague and apocryphal rankings.

Here's one: Dr Williamson (PhD in EE) would be willing to train his considerable amazing talents (amazing to me, at least) upon the problems of HF amateur communications. As it is, if ham radio wants to view him as a reject from an asylum, he says the service can just GTH without him (obviously well under way).

73, Cecil, W6RCA, OOTC

From 6025276757453523277
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Bob Miller <bmiller@calweb.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/10
Message-ID: <337553A1.25A@calweb.com>#1/1
X-Deja-AN: 240807839
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>

<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336EC4C6.4724@delphi.com> <336FE0CE.14E3@calweb.com>
<3370ADAC.4BAA@ccm.ch.intel.com> <33712D9E.17BF@calweb.com>
<01bc5d9b$c012c1a0$bf95f5ce@wa6vse.fast.net> <3375200D.58FC@calweb.com>
<33753696.7DC7@ccm.ch.intel.com>
To: cecil_a_moore@ccm.ch.intel.com
Organization: CalWeb Internet Services, Inc.
Reply-To: bmiller@calweb.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
NNTP-Posting-User: account=bmiller

Cecil Moore wrote:
>
> Bob Miller wrote:
> > Hell, give me at least one that is not full of vague and apocryphal rankings.
>
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> amazing talents (amazing to me, at least) upon the problems of HF amateur
> communications. As it is, if ham radio wants to view him as a reject from
> an asylum, he says the service can just GTH without him (obviously well under
> way).
>
> 73, Cecil, W6RCA, OOTC

Well how can I contact Dr. Williamson to get his views on the subject.
Again, Cecil, your refernce to a presumabley nice fellow is again
an apocryphal statement lacking any foundation other than your
hearsay testimonial. Perhaps Dr. Williamson could get on the net
and speak for himself and perhaps enlighten us all with his observations
and how the code has prevented him from contributing to the amateur
radio service. The reject from an asylum is your metaphor and your
lopsided analysis, not mine.

What say we now, Cecil?

73, bob

From -8871774126472644119
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <01bc5d9f$e5c4e280$bf95f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 240762634
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>

<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <5khcku$obf@newshost.vvm.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Bryan Lawson <lucky13@vvm.com> wrote in article
<5khcku$obf@newshost.vvm.com>...
>
> I have no problem with code being a requirement. I think it offers those
> who do not know code a challenge or goal to work towards in order to gain
> more privileges. It stresses technical competency.

Huh??? Could you please explain how you came to the conclusion
that forcing everyone to learn Morse code "stresses technical
competency"???
(unless you mean stress in the "challenges, strains" sense ... as in
"people waste so much time and energy meeing the code requirements
that they never learn the truly valuable technical stuff necessary to
achieve
technical competency")

> Just because one doesn't know code doesn't make them a "loser". I don't
> know code (yet), but I am still a licensed amateur radio operator. I
enjoy
> the friendly people on the local people, and I occassionally make a dx
> contacts with a friendly ham. I'm just happy that, and I really hate to
> use this expression, "assholes" like K4XA aren't one of the people I have
> spoken with.

I agree with your terminology wholeheartedly ... people like him are
a disgrace to our community, not an asset ...

> Just because you may know code doesn't make you high and mighty. You
have
> just found the time to learn code. Some people like myself have 2 jobs
and
> could barely find the time to study for and take the no-code tech exam.
> The code will come in time, and once I learm it I will find the common
> decency to help others along in a more professional manner, rather than
> condemn them for not knowing code.
>
> Sir, I seriously doubt that your name is Joe Mama. I challenge you to
drop
> the alias and come back to the real world. Use your knowledge to help
> others along and be a bit more professional in you explanation of why
> certaian things are required. Although you know code, you put your pants
> on the same way I and all of the other no-code techs do - one leg at a
> time.
>
> Bryan Lawson

> , KC5ZEZ
>
> Killeen, Texas

Don't hold your breath waiting for "Joe Mama" and the ilk to become
courteous, or even civil ... unfortunately there are far too many
ignoramuses
like him in our ranks ... that's why ham radio has so many problems.

Carl - wa6vse
wa6vse@fast.net

From 5438676816763320782
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <01bc5da3$8d32cb60$bf95f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 240764941
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kh6i4$1n1@dfw-ixnews4.ix.netcom.com>
<01bc58c4$da6de240$66029ace@graham.surfsouth.com>
<01bc58e2$4b143540$26f010d0@cmx00101.up.net>
<01bc58ed$26ce9ee0$74029ace@graham.surfsouth.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Joe Mama <up@yours.com> wrote in article
<01bc58ed$26ce9ee0$74029ace@graham.surfsouth.com>...
>

> Hi Larry,
>
> I think you would be N8JPK. And a tech, unless you have up-graded since
> 4-19-94. My guess is you have not. Is the code the reason? Is that why
you
> are so quick to defend the position of those who want to dumb the hobby
> down to the lowest common denominator?

Actually beeping is the "dumbest" part of ham radio ... a pure aural-motor reflex conditioned much like the salivation of Pavlov's dogs in response to the sound of a bell ringing ... just like some people have musical talent and some don't, this conditioning comes easy for some and is virtually impossible for others ...

Many of us are capable of easily building machines that are easily capable of outperforming the very best Morse operator in the world with the best of OOK Morse receiving gear ... hands down, slam-dunk by a very wide margin.

Insisting on code rather than real, meaningful technical knowledge and abilities is the dumbing down of ham radio, *not* the elimination of obsolete requirements that serve as nothing more than a hazing ritual ...

> Much like the liberals want to do to America?

Ridiculous comparison ... see the last paragraph preceeding your statement. Those who oppose code testing are actually protesting a govenment-mandated welfare program for Morse and proposing more rigorous written exams on rules and theory, coupled with necessary modernizations in the technical rules.

That can hardly be characterized as a "liberal, dumbing-down" ...

> You can always be a CB operator you know. They don't require code.

Typical pro-code, bigoted, "got mine, you can go to hell" response noted.

> Burden of proof is on the prosecution. You show me any good reason to drop
> it, THEN I'll defend my position.

Actually, as Jefferson (I believe) said, "The government that governs least governs best." (or something very close, to that effect, if my quote is not exact) ... that implies that the burden is really on the government to justify (and continually rejustify) any restrictive requirements that it imposes upon its constituents ... the burden of proof is effectively on the government in this case, just as it is in a criminal proceeding ...

> Graham K4XA

Carl - wa6vse
wa6vse@fast.net

From 7547880270357970341
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <01bc5da9$73ee8940$bf95f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 240771011
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee> <3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net> <5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com> <5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com> <336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-ixn10.ix.netcom.com> <336CF780.15C5@delphi.com> <01bc58eb$33bfd4e0$74029ace@graham.surfsouth.com> <5kjku3$7lc@sjx-ixn6.ix.netcom.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Gerald Schmitt <kc5egg@ix.netcom.com> wrote in article
<5kjku3$7lc@sjx-ixn6.ix.netcom.com>...

> Graham,
>
> At the risk of starting a flame fest I will point out a few of your
> REALLY stupid assumptions. First you should really work on your reading
> comprehension. Cecil has never asked for and change in test for HIS
> benifit. Cecil like many others of us feel it is in the best interests
> of amateur radio to end the code hazing.
>
> Cecil has been a ham for over 40 years he doesn't really need a radio
> hobby that has no code requirement since he has been doing just fine
> right here. I'm not quite sure what you had in mind with the last lines
> of your tirade but if you are infering that Cecil needs some help to
> get into ham radio you better look again at a call book.

And I believe Cecil has stated on numerous occasions that CW is
his favorite mode of operation ... but he still thinks the test should
be eliminated ...

> Some one, I can't quite remember who, coined the phrase, "CBers that
> beep" for folk like you. It sure does fit.

I can't recall if I used it first or if it was Gary ... but I'm pretty sure
it was
one of us ... and you're right, it fits Grahm to a tee ... "lid" is
another
term that comes to mind when I read Grahm's posts, too ...

>
> Jerry

Carl - wa6vse
wa6vse@fast.net

From 5161936475294788180
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <01bc5da8$d06fad80$bf95f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 240771890
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-
ixn10.ix.netcom.com> <336CF780.15C5@delphi.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Cecil A. Moore <cecilmoore@delphi.com> wrote in article
<336CF780.15C5@delphi.com>...
> michael silva wrote:
> > I'm sure everybody agrees that Techs have more RF savvy than any other
> > license class, thus proving Cecil correct.
>
> No smiley, so I don't know if this is an attempt at humor or not.
Obviously,
> since the tech test is easier than the extra test, the extras are going
to
> be more RF savvy.

Not necessarily, Cecil ... the test passed is not a limiting factor on
one's
knowledge or skill level ... I know many techs who ARE quite a bit more
RF savy than many extras I know whose main (only) claim to fame is an
ability to beep faster ...

> What I am saying is there would be many, many more extras
> if the Morse code testing requirement was lifted. I personally know about
> 25 degreed engineers with tech/general/advanced licenses who would
upgrade
> to extra in a minute if it weren't for the Morse code testing

requirement.

I've known literally hundreds over the past 25 years that I've been working
in the field as an RF engineer ...

> I've been away from this group for a few months. Coming down from a
30,000
> ft. level it's pretty obvious that the Morse code testing requirement is
> the welfare state gift to technically challenged hams and most of the
> whining is coming from those hams given something for nothing by merely
> demonstrating a skill unrelated to and void of knowledge of electronics.
> To all who don't fall into that catagory, I'm not talking about you.

Unfortunately, you're talking about a significant portion of the general
and
up licensees of today ...

>
> 73, Cecil, W6RCA, OOTC

Carl - wa6vse
wa6vse@fast.net

From -3561214492352823016
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <01bc5db0$db5f1480$bf95f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 240778024
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com>
<01bc58c5$5269d380$66029ace@graham.surfsouth.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Joe Mama <up@yours.com> wrote in article
<01bc58c5$5269d380$66029ace@graham.surfsouth.com>...
> Gosh Cecil, last time I checked I had to pass the code test AND the
theory

> exam to get my Extra. So I guess I do know RF electronics!
>
> 73,
> K4XA

Not necessarily ... in your case I'm inclined to doubt it more
than the average ...

Carl - wa6vse
wa6vse@fast.net

From -2668185940383225850
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <01bc5da1$4e92e9a0$bf95f5ce@wa6vse.fast.net>#1/1
X-Deja-AN: 240781535
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kh6i4$1n1@dfw-ixnews4.ix.netcom.com>
<01bc58c4$da6de240$66029ace@graham.surfsouth.com>
Organization: I never said I was organized
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Joe Mama <up@yours.com> wrote in article
<01bc58c4$da6de240$66029ace@graham.surfsouth.com>...
> Geeee Jerry, thanks for your stunning insight into code requirements. I'm
> just sick of this, can we drop it now? PLEASE?
>
> 73, K4XA
>

What's the matter ... the fact that everyone has "called you out"
for being an ignorant asshole now cause you to be "sick of this"
and want to "drop it" right a way, ("PLEASE") ???

I guess you don't mind being a bully and a jerk if you can do
it with impunity, but when people start telling you off and
"calling a spade a spade" you get real sensitive ...

Carl - wa6vse
wa6vse@fast.net

From -3651541961415133295
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: kd1hz@anomaly.ideamation.com.nospam (Michael P. Deignan)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <5l4km6$bra@anomaly.ideamation.com>#1/1
X-Deja-AN: 240864633
References: <33236044.339E@kerrlake.com> <5kovpd$pa5$1@connect3.iconnect.net>
<33744833.52BB@lni.net> <01bc5d95$7cd25280$bf95f5ce@wa6vse.fast.net>
Organization: The Ace Tomato Company
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <01bc5d95$7cd25280$bf95f5ce@wa6vse.fast.net>,
Carl R. Stevenson <wa6vse@fast.net> wrote:

>that's why I favor
>retesting at each license renewal ... too damned many hams that passed
>their tests in the 30s-60s took the attitude that there was nothing more to
>learn and stagnated right there ...

A valid idea, but one that will never come to fruition... Too much work
for the VECs... Unless, of course, you could convince W5YI/ARRL that they
would make million$$$ selling new license manuals every 10 years... Yeah,
I bet they'd do it then...

>that's why they're technically ignorant
>and inept today, and that doesn't do a damned thing towards meeting our
>chartered goals and purpose ...

I find just about everyone licensed in the past 10 years to be technically
ignorant. Just three days ago I heard a three-month "wonderboy" asking
someone how to construct an attenuator.

>that's why our bands are being taken away
>for commercial services one by one ...

I've always thought it was because they had more money than us... Silly me.

MD
--
-- Ted Kennedy has killed more people with his car than I have
-- with my guns.
--
-- If you don't like my opinions, that's just too damn bad.

From 2287811065568071028
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <3375E8E0.5F5A@delphi.com>#1/1
X-Deja-AN: 240877499
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
<5kv5vb$qbc@sjx-ixn7.ix.netcom.com> <337362E0.2F6B@ccm.ch.intel.com>
<5l2c8p$is0$1@nnrp01.primenet.com>
Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

CrACKeD wrote:
> You can kick off the list with me on top, then you can visit No-Code
> International on the web and add a few more hundred to the list, to start.

Are you truly advocating treating CW like spark and outlawing it? The
question is, should qualified hams be free to use CW or not as they choose?
To the best of my knowledge, No-Code International wants to eliminate
Morse code *testing*, not make it illegal to use CW. If you want to use the
force of the federal government to outlaw CW, you are worse than the
most rabid pro-coder. I don't hear anybody advocating outlawing all the
other modes except CW.

W6RCA : I won't be on it cuz I'm on 40m CW a couple of times a week.

> A traditionalist, eh?

For all the rational reasons that the pro-code crowd give for maintaining
the code-testing requirement, I consider CW operation a useful skill to
possess and advocate that every ham learn that skill. As time permits, I
am in the process of trying to get my Morse code speed up to 20 wpm. In

that respect, I am a member of the pro-code crowd. I am also a member of the anti-code-testing crowd because I oppose *all* welfare-state subsidies. I consider both of the following to be evils that should not exist:

1. Using the threat of force from the federal government to subsidize Morse code testing.

2. Using the threat of force from the federal government to outlaw CW.

The evil is the threat of force from the federal government, not the CW mode. As a died-in-the-wool Objectivist and Libertarian, I cannot assume any other position. Assuming any other position makes one a statist (collectivist) e.g., communist, Nazi, socialist, fascist, etc.

If you blame the CW mode for the present sad state of ham radio, it's like blaming the gun when somebody shoots you. CW testing is the evil, not the CW mode. Don't throw out the baby with the bath water.

73, Cecil, W6RCA, OOTC

From -7997028478450669486
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <3375EAB9.3319@delphi.com>#1/1
X-Deja-AN: 240878771
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee> <3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net> <5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com> <5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com> <336EC4C6.4724@delphi.com> <336FE0CE.14E3@calweb.com> <3370ADAC.4BAA@ccm.ch.intel.com> <33712D9E.17BF@calweb.com> <01bc5d9b$c012c1a0$bf95f5ce@wa6vse.fast.net> <3375200D.58FC@calweb.com> <33753696.7DC7@ccm.ch.intel.com> <337553A1.25A@calweb.com>
Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Bob Miller wrote:
> Perhaps Dr. Williamson could get on the net
> and speak for himself and perhaps enlighten us all with his observations
> and how the code has prevented him from contributing to the amateur
> radio service.

Hi Bob, If Dr. Williamson had time to get on the net, he might have time to learn Morse code. I will make an appointment with him and ask him if he wants to and has time to communicate over email with you.

> The reject from an asylum is your metaphor and your
> lopsided analysis, not mine.

If it doesn't apply to you, why do you respond to it? Some people believe that Dr. Williamson is a lower-class ham simply because he doesn't know Morse code. Are you one of them? If not, my statement didn't apply to you.

>   What say we now, Cecil?

Jim was supposed to send you an email explaining his biological problem with Morse code. Did you get his email yet? What say you?

73, Cecil, W6RCA, OOTC

From 1639847093803338858
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Bob Miller <bmiller@calweb.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <3375F001.59F1@calweb.com>#1/1
X-Deja-AN: 240880197
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee> <3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net> <5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com> <5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com> <336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-ixn10.ix.netcom.com> <336CF780.15C5@delphi.com> <01bc58eb$33bfd4e0$74029ace@graham.surfsouth.com> <5kjku3$7lc@sjx-ixn6.ix.netcom.com> <01bc5da9$73ee8940$bf95f5ce@wa6vse.fast.net>
To: "Carl R. Stevenson" <wa6vse@fast.net>
Organization: CalWeb Internet Services, Inc.
Reply-To: bmiller@calweb.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
NNTP-Posting-User: account=bmiller

Ca
> >
> > Cecil has been a ham for over 40 years he doesn't really need a radio

That's odd, The FCC database says that Cecil's prior call was KG7BK, Hmmmmm. seems I remember Cecil reflecting once upon his conditional license. Lets see. Hmmmmm. Conditional class licensee who never sits for a bonafinde FCC code test is grandfathered into a General Class when the conditional license is dropped. Then he sits before a VEC for an advanced class test but now has a code chit for his Conditional cum General ticket. Pretty good. Huh. Now I suppose the W6RCA came from either a prior ticket held way back when or perhpas a relative. Tis a vanity call none the less much like my KE6F except I sat in front of an FCC examiner for mine so I guess it is only a semi-vanity call. Hmmmmmm, perhaps someone will explain how the OOTC guy went through the metamorphasis from Conditional to Advanced. Now I could be wrong on this analysis and I sincerely apologise if I am, but since Ole Cecil is held up as an icon of THE Old Timer who has finally seen the light regarding the so-called absurdity of CW, then perhaps he should be examined closely if he wants to wear the Red Robe. Would be very happy to Schedule Ole Cecil on 40 cw sometime so we could toss it around in real time.

tnx es 73 Bob, KE6F
sniped

> And I believe Cecil has stated on numerous occasions that CW is
> his favorite mode of operation ... but he still thinks the test should
> be eliminated ...
>
> > Some one, I can't quite remember who, coined the phrase, "CBers that
> > beep" for folk like you. It sure does fit.
>
>

From 5122832141673321174
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Roger, W6VZV" <rogerjb@ibm.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/11
Message-ID: <3375B89A.710C@ibm.net>#1/1
X-Deja-AN: 240880381
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <5krrta$ds3@abyss.West.Sun.COM>
<5kthin$1qh@sjx-ixn10.ix.netcom.com> <33724D46.AFA@ccm.ch.intel.com>
<5kv5vb$qbc@sjx-ixn7.ix.netcom.com> <337362E0.2F6B@ccm.ch.intel.com>
<5l2c8p$is0$1@nnrp01.primenet.com> <3375E8E0.5F5A@delphi.com>
Organization: Bendini, Lambert, & Locke
Reply-To: rogerjb@ibm.net
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

It just baffles me why so many people think that it is a good idea to make getting a ham license as big of a pain in the ass as possible. Tests, tests, and more tests, and for what? Why not have one theory/reg test that tests whether an applicant can safely and legally operate his station, and leave it at that. This crazy maze of tests that we have lacks any rational basis. I have seen no evidence, none, that taking more tests makes us better hams. To the contrary, the hobby sucks nowadays because there are hardly any new hams. 20M SSB, as I've observed in the past, sounds like a geriatric ward.

I know of no other hobby that seeks to discourage newcomers the way ours does. Kind of an indication of the innate anti-social tendencies of many hams, particularly in the ARRL. They just don't like people.

--
Roger J. Buffington
W6VZV

USC Law, Class of '97

"I want to die peacefully, in my sleep, like my Grandfather.
Not screaming, and in terror, like his passengers..."

Warping with OS/2 Warp 4.0 and Netscape for OS/2

From 3764366216299751643
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Joe Mama" <up@yours.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <01bc5826$4a23e840$77029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 239199428
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

> Mike, you DON'T get it. We are not whining, we are making
> the effort to eliminate code testing. The question is WHY

> should anyone now be orced to learn morse code?

No YOU don't get it! Why? BECAUSE IT IS A REQUIREMENT! You ARE whining. If
you don't want to learn code then take your sorry ass back to channel 19.
But just SHUT UP about it! You want to up-grade? Learn the code. Its that
simple. You won't EVER get it changed. There are allot more of us than
there are of you. Get it? Now, GO STUDY YOUR CODE!

--... ...-- --..-- -.- ....- -..- .-

For you no code losers thats: 73, K4XA

From 1404228747294037994
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: billsohl@planet.net (Bill Sohl)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <5kgsdh$q4l@jupiter.planet.net>#1/1
X-Deja-AN: 239210063
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
Organization: Mount Olive Township (NJ) Emergency Management
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

"Joe Mama" <up@yours.com> wrote:

>> Mike, you DON'T get it. We are not whining, we are making
>> the effort to eliminate code testing. The question is WHY
>> should anyone now be forced to learn morse code?

>No YOU don't get it! Why? BECAUSE IT IS A REQUIREMENT!

I knew when I wrote the above that someone with a total lack of logic
would again offer the reason that "BECAUSE IT IS A
REQUIREMENT" is the self justifying reason.

> You ARE whining. If
>you don't want to learn code then take your sorry ass back to channel 19.

Check my license Mr Joe.

>But just SHUT UP about it! You want to up-grade? Learn the code. Its that

>simple.

Been there, done tha...now what do you say?

> You won't EVER get it changed.

Change it will, it is just a matter of when.

> There are allot more of us than
>there are of you. Get it?

Careful now. If you don't see the steady shift away
from code support then you are incredibly naive. The
ARRL survey resulted in a majority, but nowhere of
the same magnitude as was the case even 5
years ago. The volume of nocode license holders
continues to increase while coded classes barely
remain constant in numbers. Additionally,
with time, more and more traditionalists will die
off also.

>Now, GO STUDY YOUR CODE!

Guess you can't read the callsign database.

Bill Sohl K2UNK
ARRL Local Gov't Liaison, Mt. Olive Township, NJ
Visit the No-Code WEB site: http://www.nocode.org

From 6169842868066301226
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: billsohl@planet.net (Bill Sohl)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <5kgsto$q5s@jupiter.planet.net>#1/1
X-Deja-AN: 239210747
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
Organization: Mount Olive Township (NJ) Emergency Management
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

"Joe Mama" <up@yours.com> wrote:

>--... ...-- --..-- -.- ....- -..- .-

>For you no code losers thats: 73, K4XA

A prime example of a post from someone that won't discuss
issues and prefers to label people.

When you can't rationally debate any issue,
it is the losers that resort to name calling.

Bill Sohl K2UNK
ARRL Local Gov't Liaison, Mt. Olive Township, NJ
Visit the No-Code WEB site: http://www.nocode.org

From -7877022409187125719
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: mjsilva@ix.netcom.com(michael silva)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <5kh61e$8tl@sjx-ixn10.ix.netcom.com>#1/1
X-Deja-AN: 239227169
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com>
Organization: Netcom
X-NETCOM-Date: Sat May 03 10:15:26 PM PDT 1997
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In <336C1683.6EFA@delphi.com> "Cecil A. Moore" <cecilmoore@delphi.com>
writes:

>...If Morse code testing were eliminated,
>the hobby would be populated by RF electronic engineers and that would
>make all the electronically ignorant hams miserable.

It's already happened above 30 MHz. I'm sure everybody agrees that

Techs have more RF savvy than any other license class, thus proving
Cecil correct.

73,
Mike, KK6GM

From 3286655595520167278
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: kc5egg@ix.netcom.com(Gerald Schmitt)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <5kh6i4$1n1@dfw-ixnews4.ix.netcom.com>#1/1
X-Deja-AN: 239227775
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
Organization: Netcom
X-NETCOM-Date: Sun May 04 12:24:20 AM CDT 1997
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In <01bc5826$4a23e840$77029ace@graham.surfsouth.com> "Joe Mama"
<up@yours.com> writes:
>
>> Mike, you DON'T get it. We are not whining, we are making
>> the effort to eliminate code testing. The question is WHY
>> should anyone now be orced to learn morse code?
>
>No YOU don't get it! Why? BECAUSE IT IS A REQUIREMENT! You ARE
whining. If
>you don't want to learn code then take your sorry ass back to channel
19.
>But just SHUT UP about it! You want to up-grade? Learn the code. Its
that
>simple. You won't EVER get it changed. There are allot more of us than
>there are of you. Get it? Now, GO STUDY YOUR CODE!
>
>--... ...-- --..-- -.- ....- -..- .-
>
>For you no code losers thats: 73, K4XA

And for you loser Cecil and Bill Sohl and Gary and most of the others
who propose removing the code hazing are in fact Advanced or higher.

Too much wetware decoding kill your ability to read a callbook or do you just like being ignorant.

You attitude and shining example make me want to get the old key out, they sure do. BTW code has not done much for your spelling.

Jerry

From 6441597782487001854
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: kd1hz@anomaly.ideamation.com (Michael P. Deignan)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <5kh6f1$no3@anomaly.ideamation.com>#1/1
X-Deja-AN: 239238684
References: <33236044.339E@kerrlake.com> <5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
Organization: The Ace Tomato Company
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <5kgsdh$q4l@jupiter.planet.net>,
Bill Sohl <billsohl@planet.net> wrote:

>ARRL survey resulted in a majority, but nowhere of
>the same magnitude as was the case even 5
>years ago.

5 years ago we didn't have a welfare license.

>The volume of nocode license holders continues to increase

Recent statistics posted here have indicated that even the codeless license is beginning to see a drop off in interest (i.e. the pool of people who were going to be attracted to amateur radio by the codeless license have already become licensed.)

This, coupled with the fact that the codeless license is now considered the "entry level" license in amateur radio suggests at most the levels might increase marginally, but not substantially, over the next 5 years.

>while coded classes barely remain constant in numbers. Additionally,
>with time, more and more traditionalists will die
>off also.

Since nobody has posted anything suggesting what the attrition rate
through death is in the higher license classes, we'll have to assume
it is linear. If, as you suggest, the coded license classes have
"barely remained constant", this suggests that an equal number of
people are gaining higher license classes as those who are dying off.

MD
--
-- Ted Kennedy has killed more people with his car than I have
-- with my guns.
--
-- If you don't like my opinions, that's just too damn bad.

From -5913993825148882435
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Bryan Lawson" <lucky13@vvm.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <5khcku$obf@newshost.vvm.com>#1/1
X-Deja-AN: 239239829
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net>
X-MimeOLE: Produced By Microsoft MimeOLE Engine V4.71.0544.0
Organization: VVM Internet Services, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

>Joe Mama wrote:
>> --... ...-- --..-- -.- ....- -..- .-
>>
>> For you no code losers thats: 73, K4XA

I have no problem with code being a requirement. I think it offers those
who do not know code a challenge or goal to work towards in order to gain
more privileges. It stresses technical competency.

Just because one doesn't know code doesn't make them a "loser". I don't
know code (yet), but I am still a licensed amateur radio operator. I enjoy
the friendly people on the local people, and I occassionally make a dx
contacts with a friendly ham. I'm just happy that, and I really hate to
use this expression, "assholes" like K4XA aren't one of the people I have
spoken with.

Just because you may know code doesn't make you high and mighty. You have
just found the time to learn code. Some people like myself have 2 jobs and
could barely find the time to study for and take the no-code tech exam.
The code will come in time, and once I learm it I will find the common
decency to help others along in a more professional manner, rather than
condemn them for not knowing code.

Sir, I seriously doubt that your name is Joe Mama. I challenge you to drop
the alias and come back to the real world. Use your knowledge to help
others along and be a bit more professional in you explanation of why
certaian things are required. Although you know code, you put your pants
on the same way I and all of the other no-code techs do - one leg at a
time.

Bryan Lawson
, KC5ZEZ

Killeen, Texas

From 7569269174256368961
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <336C9BC2.7A1C@delphi.com>#1/1
X-Deja-AN: 239282356
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <5khcku$obf@newshost.vvm.com>

Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Bryan Lawson wrote:
> It (code) stresses technical competency.

Hi Bryan, in no way does Morse code stress technical competency. It
is a skill and cannot be classified as technical. IMO, the only reason
that it is kept as a testing requirement is a welfare benefit for the
technically handicapped who couldn't pass a reasonable technical exam.
The fact that Len Winkler's WOG suggestion hasn't been taken seriously
pretty much proves it. How would it hurt the hobby to allow tech+'s who
can pass all the written exams through extra, access to HF? It certainly
would help the hobby to balance the black box operators with some technical
talent.

73, Cecil, W6RCA, OOTC

From -6917746603803239917
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: ke4zv@bellsouth.net (Gary Coffman)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <336c09ea.56142285@news.atl.bellsouth.net>#1/1
X-Deja-AN: 239287284
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net>
Organization: Destructive Testing Systems
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

On Sat, 03 May 1997 20:35:52 -0500, Tom Bean <muybean@worldnet.att.net> wrote:
>Joe Mama wrote:
>>
>> > Mike, you DON'T get it. We are not whining, we are making
>> > the effort to eliminate code testing. The question is WHY
>> > should anyone now be orced to learn morse code?
>>
>> No YOU don't get it! Why? BECAUSE IT IS A REQUIREMENT! You ARE whining. If
>> you don't want to learn code then take your sorry ass back to channel 19.
>> But just SHUT UP about it! You want to up-grade? Learn the code. Its that

>> simple. You won't EVER get it changed. There are allot more of us than
>> there are of you. Get it? Now, GO STUDY YOUR CODE!
>>
>> --... ...-- --..-- -.- ....- -..- .-
>>
>> For you no code losers thats: 73, K4XA
>
>I've been lurking here as I have only just started studying for a
>license, and the code is obviously controversial, however I haven't
>found a post yet explaining w-h-y it is a requirement. It seems
>there must be more of a reason than just "because". The analogies
>offered seem a bit odd also ie., bad eyesight kept me from flying
>so if you can't learn the code find a different hobby. (huh?)
>If it is only an arbritrary requirement then why not require
>fluency in French and the ability to do 200 push-ups?

The pro-coders can't answer that. That's why they have to resort to whining
"It's a requirement" as if that were carved in stone on a tablet delivered to
Hiram Percy Maxim by a burning bush. Of course WRC-99 is scheduled to
review the issue and there is a call for a showing of *compelling* reasons to
retain S25.5.

None of the pro-code whiners can come up with one of course, so they can only
act like little schoolyard brats and whine "It's the rules, it's the rules" as if
that
will have any impression on the *rulemakers*. Those who make the rules are
intelligent enough to recognize a circular argument when they hear one.

The truth is that the ITU has already agreed to end the requirement for Morse
speed testing for every radio service except amateur (and that exception is
only because no WRC has addressed amateur rules in the last decade). No
compelling arguments could be made for its retention in any other service. In
1999 it will be amateur radio's turn to face the ITU and try to convince them to
retain the Morse speed testing requirement exclusively for amateur radio. If
the life safety services couldn't make a case for it, amateurs are going to find
it very hard to do so despite the whining of the pro-coders.

Gary
```
Gary Coffman KE4ZV          | You Make It  | Email:
Destructive Testing Systems | We Break It  | ke4zv@bellsouth.net
534 Shannon Way             | Guaranteed   |        or
Lawrenceville, GA 30244     |              | ke4zv@radio.org
```

```
From -8623967613260505801
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
```

From: "Mitchell B. Hamm" <mitch@palmtop.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <336C9F20.58A1A14@palmtop.net>#1/1
X-Deja-AN: 239287304
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kh6i4$1n1@dfw-ixnews4.ix.netcom.com>
Organization: The Palmtop Network
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Looks like a long, heated and varying argument and one that I have chosen not to become a part of...until now.

Because I didn't think I could comment until I had experienced both sides of the argument.

I got my No-Code Technician license on 3/10/97 and yesterday (5/3/97) upgraded to Extra when I passed my 1C test. The code requirement scared me to death when I got into this and I figured I would be on VHF/UHF for a long time before dipping down into HF land. That was not the case.

I am no CW expert, that's for sure. I have never even made a CW QSO, but with a little study each day for a month and a half, the test was doable. As for carrying on a QSO at 20 wpm, not going to happen. Not by me and not for a long time. CW is a language and until you have the reflex to hear -.-. [dah di dah di] and C [see] with the same speed and comprehension, you just can't do it comfortably.

So, for the folks that think they can't do the code, you really can. In these modern times in which we live, you shouldn't have to, but you can. Study it, learn it, pass the test and forget about it if it's not your cup of tea. Get your Extra and then give some of the old guys static for not upgrading their General or Advanced tickets. :)

I don't think the code requirement will be dropped for a while and if they go back to 1 minute perfect copy for the tests, it will be a lot harder.

Peace!

73 de Mitch KC8GJI/AE

From -2384105310928160827
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public

```
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
From: charles1@netcom.com (charles copeland)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <charles1E9ny4u.tK@netcom.com>#1/1
X-Deja-AN: 239288615
Sender: charles1@netcom8.netcom.com
References: <33236044.339E@kerrlake.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
Organization: Netcom
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio



In article <01bc5826$4a23e840$77029ace@graham.surfsouth.com>,
Joe Mama <up@yours.com> wrote:
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>
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>
>--...  ...--  --..--  -.-  ....-  -..-  .-
>
>For you no code losers thats: 73, K4XA

-.-. --- -.. .  .. -. ... ..- .-. . ...  --- .- .-.. -.--
--- .-.. -..  ..-. --- --. --. .. . ...  .- .-. .  --- -.
.-. ..-.  .... .- --  .-. .- -.. .. --- .-.-.-
.. -  ... ..- .-.- -.- ... .-.-.-

KB0WOB general class

-..



From -1937838944152354092
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: charles1@netcom.com (charles copeland)
```

Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <charles1E9nyEo.13u@netcom.com>#1/1
X-Deja-AN: 239289695
Sender: charles1@netcom8.netcom.com
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <336BE7F8.63D@worldnet.att.net>
<5khcku$obf@newshost.vvm.com>
Organization: Netcom
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <5khcku$obf@newshost.vvm.com>, Bryan Lawson <lucky13@vvm.com> wrote:
>>Joe Mama wrote:
>>> --... ...-- --..-- -.- ....- -..- .-
>>>
>>> For you no code losers thats: 73, K4XA
>
>
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>contacts with a friendly ham. I'm just happy that, and I really hate to
>use this expression, "assholes" like K4XA aren't one of the people I have
>spoken with.
>
>Just because you may know code doesn't make you high and mighty. You have
>just found the time to learn code. Some people like myself have 2 jobs and
>could barely find the time to study for and take the no-code tech exam.
>KC5ZEZ

That is exactly what the old foggie pro-coders rely on.
Keeping the code requirement insures them that the HF airwaves
will not be used by anyone under 65 years of age. They don't
have the time to waste learning CW!

KB0WOB general

From -3295108787105635930
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public

From: ke4zv@bellsouth.net (Gary Coffman)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <336c100d.57713525@news.atl.bellsouth.net>#1/1
X-Deja-AN: 239294043
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<336B84F1.3502@delphi.com> <336BCA79.CAEC6F93@west.net>
Organization: Destructive Testing Systems
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

On Sat, 03 May 1997 16:30:01 -0700, Howard Coleman W6HQA <w6hqa@west.net> wrote:
>Cecil A. Moore wrote:
>>
>> olyellr@iglou.com wrote:
>> > With all the tools available today to learn the code with,
>> > it isn't that hard anyway. Mike L. ke4hlu
>>
>> Hi Mike, what about my friend with a commercial radio license,
>> years of experience as a broadcast engineer, who spent hundreds
>> of hours over 20 years and never got to 13wpm? Some otherwise
>> normal people cannot learn 13wpm no matter how hard they try.
>>
>> 73, Cecil, W6RCA, OOTC
>
>If your friend was able to pass the 5 wpm, then a waver may be possible
>based upon a learning disability. I do not mean that as a derogatory
>statement against your friend or any others that have tried and tried to
>obtain the 13 wpm. It is a foreign language and to some, learning a
>foreign language is an impossibility.
>
>73 Howard W6HQA

It isn't a language, Howard, foreign or otherwise. It is just an encoding
of alphabet, no different in principle from ASCII, Baudot, or EBDIC.
And it is quite crude compared to those other encodings. That's why
it has been abandoned by the rest of the communicaitons world as a
method of text transmission. Amateur radio is the last holdout against
modernization. That *should* be an embarrassment to any amateur
not locked in the throes of religious frenzy and bent on keeping amateur
radio in the Dark Ages.

Gary
Gary Coffman KE4ZV | You Make It | Email:
Destructive Testing Systems | We Break It | ke4zv@bellsouth.net
534 Shannon Way | Guaranteed | or
Lawrenceville, GA 30244 | | ke4zv@radio.org

From 3306094511776227827
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: ke4zv@bellsouth.net (Gary Coffman)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <336c3e58.69565863@news.atl.bellsouth.net>#1/1
X-Deja-AN: 239313122
References: <33236044.339E@kerrlake.com> <5kfg6g$ls1@jupiter.planet.net>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com>
Organization: Destructive Testing Systems
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

On 4 May 1997 01:22:41 -0400, kd1hz@anomaly.ideamation.com (Michael P. Deignan)
wrote:
>In article <5kgsdh$q4l@jupiter.planet.net>,
>   Bill Sohl <billsohl@planet.net> wrote:

>>The volume of nocode license holders continues to increase
>
>Recent statistics posted here have indicated that even the
>codeless license is beginning to see a drop off in interest
>(i.e. the pool of people who were going to be attracted to
>amateur radio by the codeless license have already become
>licensed.)
>
>This, coupled with the fact that the codeless license is
>now considered the "entry level" license in amateur radio
>suggests at most the levels might increase marginally, but
>not substantially, over the next 5 years.

There was an initial surge of pent up demand when the code test free
Tech license was created which, of course, wasn't sustainable. But
the fact remains that amateur radio is now growing at a rate considerably
higher than in the 70s and 80s, and that's very good news indeed.

>>while coded classes barely remain constant in numbers. Additionally,
>>with time, more and more traditionalists will die
>>off also.
>
>Since nobody has posted anything suggesting what the attrition rate
>through death is in the higher license classes, we'll have to assume
>it is linear. If, as you suggest, the coded license classes have
>"barely remained constant", this suggests that an equal number of
>people are gaining higher license classes as those who are dying off.

Actually, the information has been posted several times. The amateur license class with the highest average age is General, followed by Extra, Advanced, Novice, and the two Tech classes. The average age spread between General and Tech is 20 years. Unless we have some reason to believe that the life expectency of Generals is much greater than Techs, there's no doubt that the older amateurs are going to die off sooner than the younger ones. This demographic shift is inevitable. Some Techs are upgrading, but the rate of upgrade is much lower than the rate of entry, so we're seeing a shift in the balance of power in amateur radio toward the VHF+ amateur and away from the HF amateur.

Gary
```
Gary Coffman KE4ZV           | You Make It  | Email:
Destructive Testing Systems | We Break It  | ke4zv@bellsouth.net
534 Shannon Way             | Guaranteed   |         or
Lawrenceville, GA 30244     |              | ke4zv@radio.org
```

From 3410248792808589630
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: kd1hz@anomaly.ideamation.com (Michael P. Deignan)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <5kij6r$phd@anomaly.ideamation.com>#1/1
X-Deja-AN: 239317260
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <336BE7F8.63D@worldnet.att.net>
<336c09ea.56142285@news.atl.bellsouth.net>
Organization: The Ace Tomato Company
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <336c09ea.56142285@news.atl.bellsouth.net>,
Gary Coffman <ke4zv@bellsouth.net> wrote:

>>I've been lurking here as I have only just started studying for a
>>license, and the code is obviously controversial, however I haven't
>>found a post yet explaining w-h-y it is a requirement.
>
>The pro-coders can't answer that. That's why they have to resort to whining
>Hiram Percy Maxim by a

Typical anti-code "welfare state" rhetoric.

CW remains a requirement because the mode of operation is one of the

most popular on HF, surpassed only by SSB, and we don't have a SSB test
because the FCC assumes most people know how to push a button and speak
into a microphone.

When CW diminishs to be a popular HF mode, surpassed by other modes
(such as up-and-coming digital modes) then it is entirely reasonable to
replace the CW examination with an examination on another mode.

[blah blah blah, yada yada yada ...
more hate-filled rhetoric from Gary deleted]

>The truth is that the ITU has already agreed to end the requirement for Morse
>speed testing for every radio service except amateur (and that exception is
>only because no WRC has addressed amateur rules in the last decade). No
>compelling arguments could be made for its retention in any other service.

Q: Why exactly has the ITU agreed to end the requirement for Morse for every
radio service?

A: Because those services have adopted other modes of operation and have
by their actions eliminated morse.

Q: How does this differ from the Amateur Service?

A: The amateur service continues to use Morse heavily on HF.

Q: So what?

A: When morse use on HF declines, and other modes surpass it, then the
time will arrive to eliminate the examination.

MD
--
-- Ted Kennedy has killed more people with his car than I have
-- with my guns.
--
-- If you don't like my opinions, that's just too damn bad.

```
From -634258897735395799
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Joe Mama" <up@yours.com>
Subject: QRZ KC5ZEZ BRYAN LAWSON
Date: 1997/05/04
Message-ID: <01bc58c3$d2f3eec0$66029ace@graham.surfsouth.com>#1/1
```

X-Deja-AN: 239324999
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <5khcku$obf@newshost.vvm.com>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Bryan Lawson <lucky13@vvm.com> wrote in article
<5khcku$obf@newshost.vvm.com>...
> >Joe Mama wrote:
> >> --... ...-- --..-- -.- ....- -..- .-
> >>
> >> For you no code losers thats: 73, K4XA
>
>
> I have no problem with code being a requirement. I think it offers those
> who do not know code a challenge or goal to work towards in order to gain
> more privileges. It stresses technical competency.
>
> Just because one doesn't know code doesn't make them a "loser". I don't
> know code (yet), but I am still a licensed amateur radio operator. I
enjoy
> the friendly people on the local people, and I occassionally make a dx
> contacts with a friendly ham. I'm just happy that, and I really hate to
> use this expression, "assholes" like K4XA aren't one of the people I have
> spoken with.

Hi Bryan,

Sorry if you thought it was harsh, or if it offended you. But, according to your post, you intend to LEARN the code. So my post was not directed at you. Only the people who DON'T intend to learn it but continue to gripe about it. Also, to answer your question, it is required because the code is the simple core of amateur communications. If all else fails, you can still send code. Bottom line is it doesn't matter WHY its required. Only that it IS required. You don't have to be an ace at the code to upgrade. Its not that hard. And sorry, but it does not require that much time. I have 2 kids myself so I don't have much time at all. It requires effort and commitment and thats why most people piss and moan about it. Good luck, hope you get the up-grade you want.

73,
K4XA
Graham Crosby

From -9118244386438027095

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Joe Mama" <up@yours.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <01bc58c5$71f1b9c0$66029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 239326022
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<336B84F1.3502@delphi.com> <5kg1fm$sea@dfw-ixnews12.ix.netcom.com>
<336C1232.638B@delphi.com>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

> Why should he get a waiver? There is absolutely nothing wrong
> with him! The wrongness is in the Morse code testing requirement.
>
> 73, Cecil, W6RCA, OOTC
>

Why is it wrong?

73,
K4XA

From -2023952827774189152
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Joe Mama" <up@yours.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <01bc58c5$5269d380$66029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 239326023
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com>

Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Cecil A. Moore <cecilmoore@delphi.com>> Hi Tom, welcome to r.r.a.policy.

>If Morse code testing were eliminated,
> the hobby would be populated by RF electronic engineers and that would
> make all the electronically ignorant hams miserable. Morse code is their
> only claim to fame. If Morse code testing were eliminated, they would be
> the ones labeled "not real hams" and that feeling is eating them alive.
>
> 73, Cecil, W6RCA, OOTC
>

Gosh Cecil, last time I checked I had to pass the code test AND the theory
exam to get my Extra. So I guess I do know RF electronics!

73,
K4XA

From 358501415970534522
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Joe Mama" <up@yours.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <01bc58c6$0eda7ce0$66029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 239326024
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kgsdh$q4l@jupiter.planet.net>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

> >Now, GO STUDY YOUR CODE!
>
> Guess you can't read the callsign database.
>
> Bill Sohl K2UNK
> ARRL Local Gov't Liaison, Mt. Olive Township, NJ
> Visit the No-Code WEB site: http://www.nocode.org

>

Hi Bill,

Yes I can, just didn't care what class you held. The code is required because it is amateur communication in its simplest form. Its the core of the hobby. Now, can we please DROP IT!

73, K4XA

```
From -4749148411016636502
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Joe Mama" <up@yours.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <01bc58c4$da6de240$66029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 239326025
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kh6i4$1n1@dfw-ixnews4.ix.netcom.com>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
```

> And for you loser Cecil and Bill Sohl and Gary and most of the others
> who propose removing the code hazing are in fact Advanced or higher.

Hazing? Hazing? What a bunch of crap!

> Too much wetware decoding kill your ability to read a callbook or do
> you just like being ignorant.

Nope, just didn't care what class license you held.

> You attitude and shining example make me want to get the old key out,
> they sure do. BTW code has not done much for your spelling.
>
>   Jerry

Geeee Jerry, thanks for your stunning insight into code requirements. I'm just sick of this, can we drop it now? PLEASE?

73, K4XA

From -8133494665189464325
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Joe Mama" <up@yours.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <01bc58c6$b8925d20$66029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 239329462
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee> <3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net> <5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com> <5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgon1$sge$1@nnrp01.primenet.com>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

> What a brave guy, forging your headers. You'd be surprised how fast
> things are changing. Code will eventually no longer be a licensing
> requirement.
>
> CrACKeD <cracked@primenet.com>
>

I guess using the name CrACKeD is the height of bravery! By the way, they already have a hobby where the code is not required. Its called CB.

73, K4XA

From -7712052610685856729
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd

```
X-Google-Attributes: gid10bf43,public
From: "Joe Mama" <up@yours.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <01bc58c7$391142e0$66029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 239329474
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-
ixn10.ix.netcom.com>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio


> >...If Morse code testing were eliminated,
> >the hobby would be populated by RF electronic engineers and that would
> >make all the electronically ignorant hams miserable.
>
> It's already happened above 30 MHz.  I'm sure everybody agrees that
> Techs have more RF savvy than any other license class, thus proving
> Cecil correct.
>
> 73,
> Mike, KK6GM
>
>
No Mike, Everyone does not agree.

K4XA




From 1990939727738322978
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <336CF780.15C5@delphi.com>#1/1
X-Deja-AN: 239334332
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-
```

ixn10.ix.netcom.com>
Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

michael silva wrote:
> I'm sure everybody agrees that Techs have more RF savvy than any other
> license class, thus proving Cecil correct.

No smiley, so I don't know if this is an attempt at humor or not. Obviously, since the tech test is easier than the extra test, the extras are going to be more RF savvy. What I am saying is there would be many, many more extras if the Morse code testing requirement was lifted. I personally know about 25 degreed engineers with tech/general/advanced licenses who would upgrade to extra in a minute if it weren't for the Morse code testing requirement.

I've been away from this group for a few months. Coming down from a 30,000 ft. level it's pretty obvious that the Morse code testing requirement is the welfare state gift to technically challenged hams and most of the whining is coming from those hams given something for nothing by merely demonstrating a skill unrelated to and void of knowledge of electronics. To all who don't fall into that catagory, I'm not talking about you.

73, Cecil, W6RCA, OOTC

From -5105263330149138841
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: mjsilva@ix.netcom.com(michael silva)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <5kiv1b$38r@dfw-ixnews7.ix.netcom.com>#1/1
X-Deja-AN: 239337450
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee> <3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net> <5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com> <5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com> <336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-ixn10.ix.netcom.com> <336CF780.15C5@delphi.com>
Organization: Netcom
X-NETCOM-Date: Sun May 04 4:28:11 PM CDT 1997
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

In <336CF780.15C5@delphi.com> "Cecil A. Moore" <cecilmoore@delphi.com>
writes:
>

>michael silva wrote:
>> I'm sure everybody agrees that Techs have more RF savvy than any
>>other license class, thus proving Cecil correct.
>
>No smiley, so I don't know if this is an attempt at humor or not.

But I was just agreeing with you...

>Obviously, since the tech test is easier than the extra test, the
>extras are going to be more RF savvy. What I am saying is there would
>be many, many more extras if the Morse code testing requirement was
>lifted.

Ah, but that's nothing like what you said originally:

>>...If Morse code testing were eliminated,
>>the hobby would be populated by RF electronic engineers and that
>>would make all the electronically ignorant hams miserable.

Nothing whatsoever about extras. Since the Morse test *has been* lifted in the Tech case your words would lead one to expect the Tech ranks to "be populated by RF electronic engineers" to a greater degree than the other coded classes.

> I personally know about 25 degreed engineers with
>tech/general/advanced licenses who would upgrade
>to extra in a minute if it weren't for the Morse code testing
>requirement.

So now the entire complaint is that they can't use the small Extra segments?! Do they perhaps need to conduct their propagation studies on 7.005 rather than 7.030?
>
>I've been away from this group for a few months. Coming down from a
>30,000 ft. level it's pretty obvious that the Morse code testing
>requirement is the welfare state gift to technically challenged hams

Hmmm, don't know what to make of that statement. Didn't you say just above that the Extra <written implied> test was *harder* than the no-code test? Contradictions abound...

73,
Mike, KK6GM

```
From -7615577097470221924
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
```

X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Larry A. Warsinski" <lwarsins@up.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <01bc58e1$22704440$26f010d0@cmx00101.up.net>#1/1
X-Deja-AN: 239357419
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <336BE7F8.63D@worldnet.att.net>
<336c09ea.56142285@news.atl.bellsouth.net> <5kij6r$phd@anomaly.ideamation.com>
Organization: up.net
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Michael P. Deignan <kd1hz@anomaly.ideamation.com> wrote in article
<5kij6r$phd@anomaly.ideamation.com>...
>
> CW remains a requirement because the mode of operation is one of the
> most popular on HF, surpassed only by SSB, and we don't have a SSB test
> because the FCC assumes most people know how to push a button and speak
> into a microphone.
>
> When CW diminishs to be a popular HF mode, surpassed by other modes
> (such as up-and-coming digital modes) then it is entirely reasonable to
> replace the CW examination with an examination on another mode.
>

Actually, you might be confusing cause and effect here. Perhaps the ONLY
reason CW remains a popular mode is because the requirement still exists.
I've heard a lot of accusations of "welfare state whining" leveled against
the no-code people, but the pro-code rhetoric seems to follow the same idea
of welfare-state entitlements: You can't take away "our" bands and give
them to no-code people whose only claim to them is that they know the
technical aspects of radio -- they MUST learn code."

CW is diminishing, and the CW testing is given far more weight than the
mode deserves even with its historical roots. If you don't "know" SSB, you
can still get an HF license. If you don't know ATV, PACTOR, AMTOR, RTTY,
GTOR, or may of the other modes, you still can upgrade. Antiquated CW is
the ONLY PASS-FAIL mode. This simply is not right.

>
> >The truth is that the ITU has already agreed to end the requirement for
Morse
> >speed testing for every radio service except amateur (and that exception
is
> >only because no WRC has addressed amateur rules in the last decade). No
> >compelling arguments could be made for its retention in any other
service.
>
> Q: Why exactly has the ITU agreed to end the requirement for Morse for
every
>   radio service?

>
> A: Because those services have adopted other modes of operation and have
>   by their actions eliminated morse.
>
> Q: How does this differ from the Amateur Service?
>
> A: The amateur service continues to use Morse heavily on HF.
>
> Q: So what?
>
> A: When morse use on HF declines, and other modes surpass it, then the
>   time will arrive to eliminate the examination.
>

SSB HAS surpassed HF. Go ahead and eliminate the exam! Pull the exam, and
watch the use of CW fall to its natural level.

> MD
> --
> -- Ted Kennedy has killed more people with his car than I have
> -- with my guns.

(I like this --)

> --
> -- If you don't like my opinions, that's just too damn bad.

And this works both ways <g>!

--
   --Larry A. Warsinski--
     lwarsins@up.net

From -1119858498558443120
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Larry A. Warsinski" <lwarsins@up.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <01bc58e2$4b143540$26f010d0@cmx00101.up.net>#1/1
X-Deja-AN: 239360029
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>

<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kh6i4$1n1@dfw-ixnews4.ix.netcom.com>
<01bc58c4$da6de240$66029ace@graham.surfsouth.com>
Organization: up.net
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Joe Mama <up@yours.com> wrote in article
<01bc58c4$da6de240$66029ace@graham.surfsouth.com>...

> Geeee Jerry, thanks for your stunning insight into code requirements. I'm
> just sick of this, can we drop it now? PLEASE?
>
> 73, K4XA
>

Having read the latest load posted in this string, including many from the
above poster, I have come to the conclusion that he has realized that he is
unable to defend his position in a rational manner, and wants to drop the
discussion before he loses.

Yes, CW is required now. Some say the requirement will be dropped "over
their dead body" -- perhaps that is what it will take. But why run ham
radio into the ground just to hang on to this testing for on obsolete means
of communication? Senseless!

--
   --Larry A. Warsinski--
     lwarsins@up.net

From 9166154342229404087
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Todd Little <little@ameritech.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <336D3BCD.41C1@ameritech.net>#1/1
X-Deja-AN: 239380641
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kh6i4$1n1@dfw-ixnews4.ix.netcom.com>

<01bc58c4$da6de240$66029ace@graham.surfsouth.com>
<01bc58e2$4b143540$26f010d0@cmx00101.up.net>
<01bc58ed$26ce9ee0$74029ace@graham.surfsouth.com>
Followup-To: rec.radio.amateur.policy
Organization: Ameritech Interactive Media Services, Inc.
Reply-To: little@ameritech.net
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Joe Mama wrote:
>
> Larry A. Warsinski <lwarsins@up.net> wrote in article
>
> ---------------------SNIP--------------------
>
> > I have come to the conclusion that he has realized that he is
> > unable to defend his position in a rational manner, and wants to drop the
> > discussion before he loses.
> >
> > Yes, CW is required now. Some say the requirement will be dropped "over
> > their dead body" -- perhaps that is what it will take. But why run ham
> > radio into the ground just to hang on to this testing for on obsolete
> means
> > of communication? Senseless!
>
> >   --Larry A. Warsinski--
>
> Hi Larry,
>
> I think you would be N8JPK. And a tech, unless you have up-graded since
> 4-19-94. My guess is you have not. Is the code the reason? Is that why you
> are so quick to defend the position of those who want to dumb the hobby
> down to the lowest common denominator?

Does that mean that learning Morse Code is smartening up amateur radio?
Emulating a piece of hardware and learning something that can probably
be taught to apes is an accomplishment?

> Much like the liberals want to do
> America? You can always be a CB operator you know. They don't require code.
> Burden of proof is on the prosecution. You show me any good reason to drop
> it, THEN I'll defend my position.

Spoken like a true redneck. Are you sure you aren't a CBer that stole
somone else's callsign? You sound a lot like channel 19.

Larry hit it on the mark based upon your latest tirade. Also based
upon your blind faith in Morse Code as opposed to knowledge in modern
communications you've demonstrated in your other posts, you'd appear
to be a prime example of any dumbing down that has gone on. Apparently
it is better to pound brass than hit the books.

73,
Todd
N9MWB

PS   Please keep this stuff off rec.radio.amateur.misc and rec.ham-radio.
     rec.radio.amateur.policy was specifically created to carry on
     this topic.
--
Unsolicited business offers sent to my e-mail address will be considered
a request for me to proofread the offer and in turn reimburse me $500
for my time and effort for each offer received. Receipt of said e-mail
constitutes acceptance of this offer. Let dick@durbin.senate.gov
and senator@moseley-braun.senate.gov know what you think of e-mail SPAM.

From -8743166678836953760
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: hossie <hossie@getonthe.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <336D4CE0.74C6@getonthe.net>#1/1
X-Deja-AN: 239384291
References: <33236044.339E@kerrlake.com> <5kfg6g$ls1@jupiter.planet.net>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <5kgsdh$q4l@jupiter.planet.net>
<5kh6f1$no3@anomaly.ideamation.com> <336c3e58.69565863@news.atl.bellsouth.net>
Organization: Maretasters, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Gary Coffman wrote:

> There was an initial surge of pent up demand when the code test free
> Tech license was created which, of course, wasn't sustainable. But
> the fact remains that amateur radio is now growing at a rate considerably
> higher than in the 70s and 80s, and that's very good news indeed.

When I went off the air eight years ago (bad case of computeritis), the Joplin MO hamfest was eight tables and a quart of ice cream in a local park.

Two weeks ago, I attended the current Joplin hamfest... a full convention center, over 200 tables rented, over 800 hams attending.

I was a charter member of the sponsoring club when it was founded seventeen years ago by a new Novice class. I served as club president there, also a president of a repeater club, published a monthly newsletter, sold a few articles to Wayne Gteene, and editorialized against the use of a truly outdated mode as a touchstone, a requirement for advancement. Even the Merchant Marine has quit requiring ratiotelegraph operators on shipboard. Sidebnd and digital communications have come of age.

Requiring code was, I argued, equicalent to requiring hams to build all of their gear, and have the station passed by an inspector prior to liciensing. There's nothing wrong with homebrew, but following the state of the art on your own is very difficult, and rarely seen these days. KUDOS to those who build their own multi-band, multi-mode receivers (I know one ham who does, and does a beautiful job of it), but the public officials here are most impressed by the legion of VHF stations which stand ready to track severe storms and provide early warning to local communities.

When I was licensed in 1979, some hams were upset by the "flood" of ex-CBers taking ham tests. The code test began losing all meaning back then as copies of official tests became available as "practice tapes." Then, the early volunteer examination program was riddled with corruption I know serveral "11-meter pirates" who co8uldn't honestly copy 5 wpm, yet hold Extra-Class tickets. Guess what? These guys almost all went on to set up digipeaters, ATV nets, emergency phone patches, and otherwise live up to the tradition of service of the ham community.

Today, I listen to the legion of no-code techs, and hear competent operating practices, on-aur courtesy, and nothing that should make any amateur ashamed to display his or her license. I see, with the expansion of the hobby, Radio Shack getting re-involved with equipment and training, and more small specialty manufacturers opening their doors.

The new bunch are communicators by nature, often coming from the computer world now, instead of Class D Citizen's Band. They often take as much pride in their staions, theor operaing practices, and their public service as any Olde Pharte who had to slog eighty miles through ten-foot snow drifts on their bellies to take a code test in front of an FCC engineer.

Somehoe, despite the interia of the ARRL, the hobby is again viable.
Thank Goodness!

hossie KC0ES

```
From 1560012354491995349
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
```

X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: kd1hz@anomaly.ideamation.com (Michael P. Deignan)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <5kjl2b$rck@anomaly.ideamation.com>#1/1
X-Deja-AN: 239401465
References: <33236044.339E@kerrlake.com> <5kh6f1$no3@anomaly.ideamation.com>
<336c3e58.69565863@news.atl.bellsouth.net> <336D4CE0.74C6@getonthe.net>
Organization: The Ace Tomato Company
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <336D4CE0.74C6@getonthe.net>, hossie <hossie@getonthe.net> wrote:

>Requiring code was, I argued, equicalent to requiring hams to build all
>of their gear, and have the station passed by an inspector prior to
>liciensing.

Not a bad idea. It certainly would ensure people know what they are doing.

>There's nothing wrong with homebrew, but following the
>state of the art on your own is very difficult, and rarely seen these
>days.

Yeah, its much easier just to use plastic and buy a radio-in-a-box.

>the public officials here are most impressed by the legion of VHF
>stations which stand ready to track severe storms and provide early
>warning to local communities.

Public officials here look at hams as (rightfully so) a bunch of
shack-on-a-belt police-authority-wannabes.

>The code test began losing all meaning back
>then as copies of official tests became available as "practice tapes."

Wow. You could make millions selling them.

>Then, the early volunteer examination program was riddled with corruption.

If true back then, why would things be any different today?

>I know serveral "11-meter pirates" who co8uldn't honestly
>copy 5 wpm, yet hold Extra-Class tickets.

Yeah, and I know a lot of extra-class ticket holders who don't know how to build dipoles too.

>Guess what? These guys
>almost all went on to set up digipeaters, ATV nets, emergency phone
>patches,

Not hard to pick up the phone, wait for UPS, plug in the AC power cord,
antenna connector, and a ground wire (optional).

>Today, I listen to the legion of no-code techs, and hear competent
>operating practices, on-aur courtesy, and nothing that should make any
>amateur ashamed to display his or her license.

Can you send me a tape? I can't find any of this locally on the two
meter good-buddy boxes.

>I see, with the
>expansion of the hobby, Radio Shack getting re-involved with equipment
>and training, and more small specialty manufacturers opening their
>doors.

So, this explains why more and more amateur shops are closing their
doors permanently from the amateur business (AEA, Tucker, etc.) and
others are talking about slow sales and sagging profits from the
amateur market (Icom/Yaesu/Kenwood)?

MD
--
-- Ted Kennedy has killed more people with his car than I have
-- with my guns.
--
-- If you don't like my opinions, that's just too damn bad.

```
From -2422712261766042097
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <336D6CFB.59B0@delphi.com>#1/1
X-Deja-AN: 239414444
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
```

<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com>
<01bc58c5$5269d380$66029ace@graham.surfsouth.com>
Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Joe Mama wrote:
> Gosh Cecil, last time I checked I had to pass the code test AND the theory
> exam to get my Extra. So I guess I do know RF electronics!

I think both sides will agree that the present written tests are trivial
and do not prove that any of us know RF electronics. I have heard the
most stupid questions from extras over on r.r.a.a. Would you be willing
to allow substitution of a EE degree for the 13wpm Morse code test? If not,
do you believe Morse code skill is more important than a EE degree?

73, Cecil, W6RCA, OOTC

From 2770262654304069031
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <336D6DE4.41E7@delphi.com>#1/1
X-Deja-AN: 239414459
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<336B84F1.3502@delphi.com> <5kg1fm$sea@dfw-ixnews12.ix.netcom.com>
<336C1232.638B@delphi.com> <01bc58c5$71f1b9c0$66029ace@graham.surfsouth.com>
Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Joe Mama wrote:
> Why is it wrong?

Because it is exactly like requiring a horse riding test before being
allowed to drive a car.

73, Cecil, W6RCA, OOTC

From 6089190550060521482
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <336D71BC.1F9A@delphi.com>#1/1
X-Deja-AN: 239417235
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee> <3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net> <5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com> <5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com> <336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-ixn10.ix.netcom.com> <336CF780.15C5@delphi.com> <5kiv1b$38r@dfw-ixnews7.ix.netcom.com>
Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

michael silva wrote:
> Hmmm, don't know what to make of that statement. Didn't you say just
> above that the Extra <written implied> test was *harder* than the
> no-code test? Contradictions abound...

Mike, you know and I know that all the amateur radio written exams are trivial. The extra exam is easy, the tech even easier. The truth is that most EE's could pass all the written exams in their sleep. The only thing keeping these very desirable potential hams out of the hobby is the Morse code test. Where I work, most of the techs are EEs and are amazed that they are considered second class citizens by the pro-code crowd especially when those high-and-mighty pro-coders don't even know Ohm's law for complex loads.

73, Cecil, W6RCA, OOTC

From 3339842936088095812
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <336D73E3.20E7@delphi.com>#1/1
X-Deja-AN: 239419214

References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-ixn10.ix.netcom.com> <336CF780.15C5@delphi.com>
<01bc58eb$33bfd4e0$74029ace@graham.surfsouth.com>
Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Joe Mama wrote:
> If you want to be in a radio hobby that has no code requirement,
> they already have one. Its called CB.

Doesn't it seem a little unfair to you that CBers are allowed HF privileges without passing a Morse code test? That gives CBers more HF privileges than techs.

I said in my posting if what I was saying didn't describe you, then I was not talking about you. Wonder why you responded?

73, Cecil, W6RCA, OOTC

From 6560425636230488442
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Joe Mama" <up@yours.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/05
Message-ID: <01bc58eb$33bfd4e0$74029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 239367962
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-ixn10.ix.netcom.com> <336CF780.15C5@delphi.com>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Cecil A. Moore <cecilmoore@delphi.com> wrote in article
<336CF780.15C5@delphi.com>...

You contradict yourself Cecil! First you say:

>Obviously, since the tech test is easier than the extra test, the extras
are going to
> be more RF savvy. What I am saying is there would be many, many more
extras
> if the Morse code testing requirement was lifted.

DUH! Then you say:

>Morse code testing requirement is the welfare state gift to technically
challenged >hams and most of the whining is coming from those hams given
something for nothing >by merely demonstrating a skill unrelated to and
void of knowledge of electronics.
> To all who don't fall into that catagory, I'm not talking about you.

OK brain boy, then how are we "technically challenged"? When I got my Extra
I took a code test AND an electronics theory test that you yourself said
was harder than the tech test. So how was I "given something for nothing"?
I worked for it sport! I wasn't GIVEN anything! If you want to be in a
radio hobby that has no code requirement, they already have one. Its called
CB.

Graham K4XA

From -4830053374527734652
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Joe Mama" <up@yours.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/05
Message-ID: <01bc58ed$26ce9ee0$74029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 239370265
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kh6i4$1n1@dfw-ixnews4.ix.netcom.com>
<01bc58c4$da6de240$66029ace@graham.surfsouth.com>
<01bc58e2$4b143540$26f010d0@cmx00101.up.net>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Larry A. Warsinski <lwarsins@up.net> wrote in article

---------------------SNIP--------------------

> I have come to the conclusion that he has realized that he is
> unable to defend his position in a rational manner, and wants to drop the
> discussion before he loses.
>
> Yes, CW is required now. Some say the requirement will be dropped "over
> their dead body" -- perhaps that is what it will take. But why run ham
> radio into the ground just to hang on to this testing for on obsolete
means
> of communication? Senseless!

>   --Larry A. Warsinski--

Hi Larry,

I think you would be N8JPK. And a tech, unless you have up-graded since
4-19-94. My guess is you have not. Is the code the reason? Is that why you
are so quick to defend the position of those who want to dumb the hobby
down to the lowest common denominator? Much like the liberals want to do
America? You can always be a CB operator you know. They don't require code.
Burden of proof is on the prosecution. You show me any good reason to drop
it, THEN I'll defend my position.

Graham K4XA

From 8854711093363773350
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: kc5egg@ix.netcom.com(Gerald Schmitt)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/05
Message-ID: <5kjku3$7lc@sjx-ixn6.ix.netcom.com>#1/1
X-Deja-AN: 239400134
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-ixn10.ix.netcom.com> <336CF780.15C5@delphi.com>
<01bc58eb$33bfd4e0$74029ace@graham.surfsouth.com>
Organization: Netcom

X-NETCOM-Date: Sun May 04 8:41:55 PM PDT 1997
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In <01bc58eb$33bfd4e0$74029ace@graham.surfsouth.com> "Joe Mama"
<up@yours.com> writes:
>
>Cecil A. Moore <cecilmoore@delphi.com> wrote in article
><336CF780.15C5@delphi.com>...
>
>You contradict yourself Cecil! First you say:
>
>
>>Obviously, since the tech test is easier than the extra test, the
extras
>are going to
>> be more RF savvy. What I am saying is there would be many, many more
>extras
>> if the Morse code testing requirement was lifted.
>
>DUH! Then you say:
>
>
>>Morse code testing requirement is the welfare state gift to
technically
>challenged >hams and most of the whining is coming from those hams
given
>something for nothing >by merely demonstrating a skill unrelated to
and
>void of knowledge of electronics.
>> To all who don't fall into that catagory, I'm not talking about you.
>
>
>OK brain boy, then how are we "technically challenged"? When I got my
Extra
>I took a code test AND an electronics theory test that you yourself
said
>was harder than the tech test. So how was I "given something for
nothing"?
>I worked for it sport! I wasn't GIVEN anything! If you want to be in a
>radio hobby that has no code requirement, they already have one. Its
called
>CB.
>
>Graham K4XA

Graham,

At the risk of starting a flame fest I will point out a few of your
REALLY stupid assumptions. First you should really work on your reading
comprehension. Cecil has never asked for and change in test for HIS
benifit. Cecil like many others of us feel it is in the best interests
of amateur radio to end the code hazing.

Cecil has been a ham for over 40 years he doesn't really need a radio hobby that has no code requirement since he has been doing just fine right here. I'm not quite sure what you had in mind with the last lines of your tirade but if you are infering that Cecil needs some help to get into ham radio you better look again at a call book.

Some one, I can't quite remember who, coined the phrase, "CBers that beep" for folk like you. It sure does fit.

Jerry

```
From -6439826150964564689
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: kc5egg@ix.netcom.com(Gerald Schmitt )
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/05
Message-ID: <5kjlmu$85q@sjx-ixn6.ix.netcom.com>#1/1
X-Deja-AN: 239401614
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kh6i4$1n1@dfw-ixnews4.ix.netcom.com>
<01bc58c4$da6de240$66029ace@graham.surfsouth.com>
Organization: Netcom
X-NETCOM-Date: Sun May 04  8:55:10 PM PDT 1997
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
```

In <01bc58c4$da6de240$66029ace@graham.surfsouth.com> "Joe Mama" <up@yours.com> writes:

>
>> And for you loser Cecil and Bill Sohl and Gary and most of the
others
>> who propose removing the code hazing are in fact Advanced or higher.
>
>
>   Hazing? Hazing? What a bunch of crap!

A test or challenge that has no relevence to the goal sought=hazing and I do agree it is indeed a bunch of crap perhaps there are other points on which we agree.

>
>
>> Too much wetware decoding kill your ability to read a callbook or do
>> you just like being ignorant.
>
>
>Nope, just didn't care what class license you held.

Interesting and inovative way to slink away from a faux paus, new too 1
point for originality.

>
>
>> You attitude and shining example make me want to get the old key
out,
>> they sure do. BTW code has not done much for your spelling.
>>
>>   Jerry
>
>Geeee Jerry, thanks for your stunning insight into code requirements.
I'm
>just sick of this, can we drop it now? PLEASE?
>
>73, K4XA

Hasn't been dropped for the past several decades I doubt we have the
power to stop this debate. If you are asking for mercy no problem I
almost never originate posts on this subject, I only respond to
ignorant mean spirited posts, the solution is obvious.

CUL Jerry

From 3563013642624161885
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Christopher Cox" <cobox@netexp.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/05
Message-ID: <01bc5956$e2ad50c0$783b8080@cbx-nt>#1/1
X-Deja-AN: 239484595
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <336C1683.6EFA@delphi.com> <5kh61e$8tl@sjx-ixn10.ix.netcom.com> <336CF780.15C5@delphi.com>

<01bc58eb$33bfd4e0$74029ace@graham.surfsouth.com>
Organization: Cobox
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Rather inflammatory and subject remarks concerning a post I find rather close to the target.
BTW, whats with non-descript mail address, hiding from something?

The Extra's I know, even though they are great people, would be the last persons I would go to seeking knowledge about RF theory. I presented to this newsgroup before a case where an Extra wired an 80' long wire to 75' of RG-58 to a Radio Shack 2 meter HT.

I believe even you have called CW a 'filter'. A filter for what? Letting 'memorization' and finger skill steer the Amateur Community? This is not Nintendo. I believe the technical testing should improve by testing knowledge of actual theory. There have been some really great communication break through that are even being utilized by your Hard Disk Controller that Amateur Radio Operators have no idea about. The only reason Morse Code exist on the airwaves is because at the time you could only reliably turn a spark generator Off or On. This is hardly a reason to perpetuate a requirement.

Many electronic professionals could, and probably would, be interested in Amateur Radio. Morse Code is a barrier to them because, unlike yester-year, and the retired community today, they do not have time to commit to such an arcane communication method. To this, I often question why I am even replying to these newsgroups, for my time is taxed as well.

It is strange to note the really talented Amateur's I know hold Advanced tickets, not Extra. Never did ask them why they stopped.
--
Christopher Cox
KC8FRJ
TRA#4901

From 8731986532948818351
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Jim Cummings <jcumming@clark.dgim.doc.ca>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/05
Message-ID: <336E018E.2AC8@clark.dgim.doc.ca>#1/1

X-Deja-AN: 239510857
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kgsdh$q4l@jupiter.planet.net> <01bc58c6$0eda7ce0$66029ace@graham.surfsouth.com>
Organization: The Communications Research Centre
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Joe Mama wrote:
>
> > >Now, GO STUDY YOUR CODE!
> >
> > Guess you can't read the callsign database.
> >
> > Bill Sohl K2UNK
> > ARRL Local Gov't Liaison, Mt. Olive Township, NJ
> > Visit the No-Code WEB site: http://www.nocode.org
> >
>
> Hi Bill,
>
> Yes I can, just didn't care what class you held. The code is required
> because it is amateur communication in its simplest form. Its the core of
> the hobby. Now, can we please DROP IT!
>

I couldn't agree more... let's drop Morse code testing!!!

> 73, K4XA

73 and live better digitally
Jim, VE3XJ

From 3260914020073338015
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: jwkelley@e4e.oac.uci.edu (James W. KELLEY)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/05
Message-ID: <5kl15l$6gl@news.service.uci.edu>#1/1
X-Deja-AN: 239528704
References: <33236044.339E@kerrlake.com> <336BE7F8.63D@worldnet.att.net>
<336c09ea.56142285@news.atl.bellsouth.net> <5kij6r$phd@anomaly.ideamation.com>
Organization: University of California, Irvine

Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <5kij6r$phd@anomaly.ideamation.com>,
Michael P. Deignan <kd1hz@anomaly.ideamation.com> wrote:

>When CW diminishs to be a popular HF mode, surpassed by other modes
>(such as up-and-coming digital modes) then it is entirely reasonable to
>replace the CW examination with an examination on another mode.

Well then I guess it should have been replaced by a SSB test series quite some time ago then - in view of the fact that SSB is at least twice as popular as CW. But since rules and laws are not written pursuant to the results of popularity contests, there must be another explanation for the persistance of the code exams.

I would suggest the real reasons are stubbornness and fear. Are we going to allow ourselves to be guided into the future by relying upon such ignoble traits? Have we so little self-esteem as a group, and so little faith in the integrity of the service that we can never rid ourselves of the vestigial residue of an earlier time? Our we so unimaginative that we cannot properly define a relavent set of operator qualifications?

I think the answer to both questions is certainly NOT! We need only put aside our emotional attachments to the past, and look toward the future in fullfilling the charter goals of the service. Hams are no longer required to use Morse code in order to communicate, and likewise need not be required to know it. And as long as it continues to be useful, hams will continue to use it as an optional mode. Let us allow the era of the telegraph operator to pass into history with quiet dignity, and not bring about the necessity to force him kicking and screaming disgracefully into retirement.

73, AC6XG

From -3980587195459372379
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: jwkelley@e4e.oac.uci.edu (James W. KELLEY)
Subject: Re: QRZ KC5ZEZ BRYAN LAWSON
Date: 1997/05/05
Message-ID: <5kl504$8ko@news.service.uci.edu>#1/1
X-Deja-AN: 239542347
References: <33236044.339E@kerrlake.com> <336BE7F8.63D@worldnet.att.net>
<5khcku$obf@newshost.vvm.com> <01bc58c3$d2f3eec0$66029ace@graham.surfsouth.com>

Organization: University of California, Irvine
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <01bc58c3$d2f3eec0$66029ace@graham.surfsouth.com>,
>IS required. You don't have to be an ace at the code to upgrade. Its not
>that hard. And sorry, but it does not require that much time. I have 2 kids
>myself so I don't have much time at all. It requires effort and commitment
>and thats why most people piss and moan about it.

Pissing and moaning would not seem to be unique to those against the code test. Only difference is, one group pisses and moans about people, the other about unnecessary rules. Learning code, for most, requires no more effort and commitment than does mowing the lawn or cleaning the toilet on a regular basis. It is a remedial task which is superflous to the majority of activities in amateur radio.

I find it amazing that some still continue to insist that amateur radio must maintain some form of manual labor in it's testing requirements.

I quite prefer operating CW to cleaning the toilet, but making such a choice does not endear me to my spouse. :-)

73, AC6XG

From -7591400176619219642
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Jim Cummings <jcumming@clark.dgim.doc.ca>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/05
Message-ID: <336E35AA.167B@clark.dgim.doc.ca>#1/1
X-Deja-AN: 239566711
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<5kh6i4$1n1@dfw-ixnews4.ix.netcom.com>
<01bc58c4$da6de240$66029ace@graham.surfsouth.com>
<01bc58e2$4b143540$26f010d0@cmx00101.up.net>
<01bc58ed$26ce9ee0$74029ace@graham.surfsouth.com>
Organization: The Communications Research Centre
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Joe Mama wrote:
>

>
> Hi Larry,
>
> I think you would be N8JPK. And a tech, unless you have up-graded since
> 4-19-94. My guess is you have not. Is the code the reason? Is that why you
> are so quick to defend the position of those who want to dumb the hobby
> down to the lowest common denominator? Much like the liberals want to do
> America? You can always be a CB operator you know. They don't require code.
> Burden of proof is on the prosecution. You show me any good reason to drop
> it, THEN I'll defend my position.
>
> Graham K4XA

But this is not a trial, thus such nostrums do not apply. What is being discussed is under what circumstances is the government empowered to insist that an individual must demonstrate ability in Morse code prior to being granted the authorization to operate on any of the amateur allocations below 30 MHz. Since Morse code knowledge no longer is used as a tool for the mitigation of interference, as evidenced by the lack to compulsory use by the government, the need for Morse code testing is no longer there. Now, that does not mean that there are those who think that Morse code should be mandatory because of other reasons, i.e. a method for imposing self-discipline, facilitates international communications, etc. Regrettably, these reasons that are often proferred by the pro-code testing advocates have nothing to do with the government's legitimate concerns for those who use the amateur service frequencies.

73 and live better digitally
Jim, VE3XJ

From 6261414918144957459
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Greg Emerson <gregemmy@lni.net>
Subject: This CW thread SHOULD die...
Date: 1997/05/05
Message-ID: <336E24A1.8CF@lni.net>#1/1
X-Deja-AN: 239594701
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net> <5khcku$obf@newshost.vvm.com>

<01bc58c3$d2f3eec0$66029ace@graham.surfsouth.com>
Organization: Technology Dimensions Inc. 114 E Elm Ave Monroe,MI 48162
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

K4XA wrote:

>It requires effort and commitment and thats why most people piss and moan about
it.

Bravo! Ahhhh, the proverbial nail hit squarely on the noggin'.

Greg WG8N

From 668304105068761279
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
From: jwkelley@e4e.oac.uci.edu (James W. KELLEY)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/05
Message-ID: <5kl6co$991@news.service.uci.edu>#1/1
X-Deja-AN: 239622113
References: <33236044.339E@kerrlake.com>
<01bc58c4$da6de240$66029ace@graham.surfsouth.com>
<01bc58e2$4b143540$26f010d0@cmx00101.up.net>
<01bc58ed$26ce9ee0$74029ace@graham.surfsouth.com>
Organization: University of California, Irvine
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <01bc58ed$26ce9ee0$74029ace@graham.surfsouth.com>,
Joe Mama <up@yours.com> wrote:
>Is that why you
>are so quick to defend the position of those who want to dumb the hobby
>down to the lowest common denominator?

If K4XA is an original call, and if one considers the level of intellect
brought to the newsgroup by this individual thus far, it is sadly
apparent the "denominator" has been very low for quite a long time.

"Joe Mama" right back to ya, Graham.

From -900596207708117463
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/05
Message-ID: <336EC4C6.4724@delphi.com>#1/1
X-Deja-AN: 239661020
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Joe Mama wrote:
> No YOU don't get it! Why? BECAUSE IT IS A REQUIREMENT!

Reminds me of a REQUIREMENT back in Texas when I was growing
up. All the unwashed masses of no-coders born without a built-
in beeper step to the vhf end of the bus. Nope, not allowed up
front in the HF section with us lily-white beeping hams.

73, Cecil, W6RCA, OOTC

From -3690002380064649197
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Paul Titze <ptitze@astron.physics.usyd.edu.au>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/06
Message-ID: <336E684D.36BA@astron.physics.usyd.edu.au>#1/1
X-Deja-AN: 239601569
Distribution: inet
References: <33236044.339E@kerrlake.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<charles1E9ny4u.tK@netcom.com>
Organization: Sydney University
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Why is everyone still arguing about CW? I thought this debate since
last year was well over, apparently not.
We all know that CW will eventually go so there's not much point
whinging about keeping it.

Paul, VK2THN.

===
ptitze@astron.physics.usyd.edu.au
http://www.physics.usyd.edu.au/~ptitze
===

From -3357285429678240579
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Steve" <kc0uh@pcisys.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/06
Message-ID: <01bc59c0$65f243a0$70f7cccf@pcisys>#1/1
X-Deja-AN: 239634874
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
Organization: PCI Systems Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Now I know why I miss the old "You have one year to UPGRADE". ARRL is
spoon feeding these folks a ticket just like the DX Net do...Wonder how
long
it would take for the winners to mess up EME operations...

Joe Mama <up@yours.com> wrote in article
<01bc5826$4a23e840$77029ace@graham.surfsouth.com>...
: > Mike, you DON'T get it. We are not whining, we are making
: > the effort to eliminate code testing. The question is WHY
: > should anyone now be orced to learn morse code?
:
: No YOU don't get it! Why? BECAUSE IT IS A REQUIREMENT! You ARE whining.
If
: you don't want to learn code then take your sorry ass back to channel 19.
: But just SHUT UP about it! You want to up-grade? Learn the code. Its that
: simple. You won't EVER get it changed. There are allot more of us than
: there are of you. Get it? Now, GO STUDY YOUR CODE!
:

```
: --...  ...--  --..--  -.-  ....-  -..-  .-
:
: For you no code losers thats: 73, K4XA
:



From 7425255993533634042
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: billsohl@planet.net (Bill Sohl)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/06
Message-ID: <5kn4ed$i75@jupiter.planet.net>#1/1
X-Deja-AN: 239705723
References: <33236044.339E@kerrlake.com>
<01bc5826$4a23e840$77029ace@graham.surfsouth.com> <336BE7F8.63D@worldnet.att.net>
<336c09ea.56142285@news.atl.bellsouth.net> <5kij6r$phd@anomaly.ideamation.com>
Organization: BL Enterprises
Newsgroups: rec.radio.amateur.policy,rec.ham-radio


rec.radio.amateur.misc   removed from crossposting list...

kd1hz@anomaly.ideamation.com (Michael P. Deignan) wrote:

>In article <336c09ea.56142285@news.atl.bellsouth.net>,
>    Gary Coffman <ke4zv@bellsouth.net> wrote:
>>>I've been lurking here as I have only just started studying for a
>>>license, and the code is obviously controversial, however I haven't
>>>found a post yet explaining w-h-y it is a requirement.
>>
>>The pro-coders can't answer that. That's why they have to resort to whining
>>Hiram Percy Maxim by a

>Typical anti-code "welfare state" rhetoric.

Yet the desire of the procoders is easily shown to
be the liberal affirmative action mindset to prop up
continued use and their own goal of keeping the percentage
of use for CW up.

>CW remains a requirement because the mode of operation is one of the
>most popular on HF, surpassed only by SSB, and we don't have a SSB test
>because the FCC assumes most people know how to push a button and speak
>into a microphone.

And once again it must be pointed out that the CW
test is NOT an operational test, it is merely a translation
test.  The CW test in no way is the equivalent of
```

true operation. There's nothing involved by requlation
that requires the CW test to be one half of a short
QSO. The fact that it usually is is a matter of choice
by the person that made the CW test tape. The CW
test could just as easily have been the lead story from
today's newspaper as long as it contained the full character
set for the appropriate test element.

>When CW diminishs to be a popular HF mode, surpassed by other modes
>(such as up-and-coming digital modes) then it is entirely reasonable to
>replace the CW examination with an examination on another mode.

But as MD oft mentions, we do have testing of other modes
on the theory test. Why does CW, which is used by less
than 1/2 of hams, still have it's very own separate pass/fail
test element?

>[blah blah blah, yada yada yada ...
> more hate-filled rhetoric from Gary deleted]

My my, hate filled rhetoric? Gary's posts are anything
but that.

>>The truth is that the ITU has already agreed to end the requirement for Morse
>>speed testing for every radio service except amateur (and that exception is
>>only because no WRC has addressed amateur rules in the last decade). No
>>compelling arguments could be made for its retention in any other service.

>Q: Why exactly has the ITU agreed to end the requirement for Morse for every
>   radio service?

>A: Because those services have adopted other modes of operation and have
>   by their actions eliminated morse.

So has amateur radio; even by the ARRL survey less than 1/2
of hams use CW yet the separate pass/fail CW test still
hangs on...unjustified by anything MD has written here.

>Q: How does this differ from the Amateur Service?

>A: The amateur service continues to use Morse heavily on HF.

Only by personal choice...individual choice. The amateur
service has never mandated any mode and, in fact, no amateur
emergency preparations even use CW at all today. That being
the case, the only use of CW is by personal choice for
one's OWN personal enjoyment. Such use is no justification
of forcing everyone on HF to learn CW.

>Q: So what?

>A: When morse use on HF declines, and other modes surpass it, then the
>   time will arrive to eliminate the examination.

Morse use HAS declined and...
SSB has surpassed it. Or do you now doubt the ARRL
survey?

Bill Sohl K2UNK
ARRL Local Gov't Liaison, Mt. Olive Township, NJ
Visit the No-Code WEB site: http://www.nocode.org

```
From 8145977862595930846
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,347404d73c63ea3b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,347404d73c63ea3b,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,347404d73c63ea3b,start
X-Google-Attributes: gidf76e2,public
From: 5doc@dxnet.com (Please remove 5 from my Email address!)
Subject: HELP!  CES  *T.T. Mike...
Date: 1997/05/06
Message-ID: <3375538c.4194567@news.dxnet.com>#1/1
X-Deja-AN: 239759977
Distribution: world
Organization: yes
Reply-To: 5doc@dxnet.com
Newsgroups: rec.radio.amateur.equipment,rec.ham-radio,rec.ham-radio.swap
```

Can you help??

I have a CES (Winter Park, FL.) 700L *Touch-Tone Microphone.

**Do you have the Color Code for this Mike??

The Mike now has a connector for a GE-MVS series radio.

I contacted the company but they want $25 for a photocopy of the manual! At present the mike has a 8-pin Molex connector for GE~MVS. I would like to convert the Mike it to work on a KENWOOD UHF Radio. The Kenwood has a connector that looks like a modular telephone connector (only more pins)... I plan to build a junction box.

I HAVE data for the Kenwood Mike Connector, but I need data for the CES Mike!... While I would like to convert to a official CES Mike Cable for Kenwood, the cost is another $25! Plus, CES advised that the Mike would require modifications.

Any help with this project will be greatly appreciated! Any help with the switch on the back of the Mike, "AUTO" / "MANUAL"?

Many thanks!
Tony
WA6IGJ

5doc@dxnet.com ***Please REMOVE '5' from my email address for replies!

From 6695138647287875981
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Paul Jordan" <jordan@santanet.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/06
Message-ID: <01bc59b2$d99b0fc0$ea2277cc@jordan>
X-Deja-AN: 239771703
References: <33236044.339E@kerrlake.com> <5kh6f1$no3@anomaly.ideamation.com> <336c3e58.69565863@news.atl.bellsouth.net> <336D4CE0.74C6@getonthe.net> <5kjl2b$rck@anomaly.ideamation.com>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

OK, OK, I've been lurking on this thread for about the past 35 messages and it's time I said my peice regarding this particular part.

Michael P. Deignan <kd1hz@anomaly.ideamation.com> wrote in article <5kjl2b$rck@anomaly.ideamation.com>...
> In article <336D4CE0.74C6@getonthe.net>, hossie <hossie@getonthe.net> wrote:
>
> >Requiring code was, I argued, equicalent to requiring hams to build all
> >of their gear, and have the station passed by an inspector prior to
> >liciensing.
>
> Not a bad idea. It certainly would ensure people know what they are doing.
>
So, you're saying you'd like to have a Federal Inspector coming to your house and checking out the construction of your entire radio set-up and then granting you priviledges to you based on what he thinks you're capable of doing?

>
> >There's nothing wrong with homebrew, but following the
> >state of the art on your own is very difficult, and rarely seen these

> >days.
>
> Yeah, its much easier just to use plastic and buy a radio-in-a-box.
>
The technology and research have already been done for us. Why try to
re-invent the whole thing. Do you chisel your own wheel out of a rock or
do you go out and buy a car??

> >the public officials here are most impressed by the legion of VHF
> >stations which stand ready to track severe storms and provide early
> >warning to local communities.
>
> Public officials here look at hams as (rightfully so) a bunch of
> shack-on-a-belt police-authority-wannabes.
>
The hams we have here in the Fairbanks area are the type that Hossie
mentioned. We help in running several community activities as well as
international ones like the Yukon Sled Dog Race. We volunteer our time and
radios to make these events safe for the participants and to keep others
informed of what's going on. If it weren't for Ham Radio, no one would
have helped Anchorage, AK when the Easter Quake hit in '64. We are
respected here!

> >The code test began losing all meaning back
> >then as copies of official tests became available as "practice tapes."
>
> Wow. You could make millions selling them.
>
Sarcasm will get you no where.

> >Then, the early volunteer examination program was riddled with
corruption.
>
> If true back then, why would things be any different today?
>
I don't know about where you are but our VE's take the testing part of Ham
Radio VERY seriously.

> >I know serveral "11-meter pirates" who co8uldn't honestly
> >copy 5 wpm, yet hold Extra-Class tickets.
>
> Yeah, and I know a lot of extra-class ticket holders who don't know
> how to build dipoles too.
>
So both of you are saying you people study code, and test questions, just
to get the BIG ticket, then forget it all?? Imagine that...

> >almost all went on to set up digipeaters, ATV nets, emergency phone
> >patches,
>
> Not hard to pick up the phone, wait for UPS, plug in the AC power cord,
> antenna connector, and a ground wire (optional).
>

Again, they're taking advantage of the available technology AND helping to advance our hobby. One of our repeater repair technicians is a lowly No-Code Technician and he is one of the main ones responsible for keeping over 30 repeaters up and running.

> >Today, I listen to the legion of no-code techs, and hear competent
> >operating practices, on-aur courtesy, and nothing that should make any
> >amateur ashamed to display his or her license.
>
> Can you send me a tape? I can't find any of this locally on the two
> meter good-buddy boxes.
>

Come to Fairbanks and have a listen. Very polite and very professional operators, always willing to help each other out. If it weren't for the poeple in the Arctic Amateur Radio Club, I would probably just carry a radio for emergencies and auto-patch but, I enjoy conversing with fellow members here.

> >I see, with the
> >expansion of the hobby, Radio Shack getting re-involved with equipment
> >and training, and more small specialty manufacturers opening their
> >doors.
>
> So, this explains why more and more amateur shops are closing their
> doors permanently from the amateur business (AEA, Tucker, etc.) and
> others are talking about slow sales and sagging profits from the
> amateur market (Icom/Yaesu/Kenwood)?
>

I was in Atlanta a couple of weeks ago and when the salesperson behind the counter at HRO found that I was only a No-Code Tech, he didn't want anything to do with me. Maybe that's why they're closing their doors. Radio Shack is always willing and able to help us out up here in the frozen north.

> --
> -- Ted Kennedy has killed more people with his car than I have
> -- with my guns.
> --
> -- If you don't like my opinions, that's just too damn bad.
>

Now, to code or not to code... I choose not to code because I can't spend $1000 bucks for a radio and $300 for an antenna but, if one were to become available as cheaply as my two 2mtr radios did, maybe my wife and I will consider upgrading. But, for now, 2 mtr is just fine.
I think the main thing we need to concentrate on is getting more people upgraded no matter what it takes so that we can say "Hey FCC, don't take that band away from us, we've got xxxxxxx number of people that are using it." At least that's the way I see it.

73's
Paul Jordan
KL0AN
Arctic Amateur Radio Club

Fairbanks, AK

From -1513672841562895611
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: markv@pixar.com (Mark VandeWettering)
Subject: Re: CW should die, children, please...
Date: 1997/04/01
Message-ID: <5hrmmf$e91@pixar.com>#1/1
X-Deja-AN: 229982484
References: <33236044.339E@kerrlake.com> <5hc4ig$lno@rosebud.sdsc.edu>
<333C5120.3EB2@ameritech.net> <5hhore$52e@anomaly.ideamation.com>
Organization: Pixar
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

>I like the idea of mode-based testing. You want CW, take a CW test.
>You want SSB, take a SSB test. And so on. Unfortunately the no-code
>contingent consistantly calls this "too complicated". Their ultimate
>goal is no-code, no-theory. The ultimate in uncomplicated licensing.

sigh I wish I knew why people believed this. I have yet to read or hear a single argument which suggests a theory exam is not needed for radio amateurs. Nobody believes that.

There is a very simple reason for eliminating the code requirement:

Testing is not required for any other operational mode.

Hams seem to fear that everyone in the universe will want to join their ranks unless they introduce large barriers to entry into the hobby. Catch a clue people, there are already no-license hi-tech digital hand-held radios, they are called cell phones. They are convenient, available, and relatively cheap for large numbers of people. There is already no-license hi-tech packet at data rates substantially higher than the vast majority of packet radio, its called "the Internet".

One can get side tracked into all the issues of why CW is a good mode:

1) equipment is relatively cheap and simple to design and build
2) there is a long standing tradition of CW
3) it gets through where SSB and AM can't.
4) it is fun!

which are certainly all true, but none of which are particularly compelling
to require MANDATORY operational testing. If I choose not to use Morse,
then so be it. I should not be forced to demonstrate a skill which I have
no interest in developing.

Mark

--
Mark T. VandeWettering Telescope Information (and more)
Email: <markv@pixar.com> http://webspace.com/markv/
<markv@webspace.com> Clear Skies!

From 1875713987566462920
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: kd1hz@anomaly.ideamation.com (Michael P. Deignan)
Subject: Re: CW should die, children, please...
Date: 1997/04/01
Message-ID: <5hsesu$2s2@anomaly.ideamation.com>#1/1
X-Deja-AN: 230033860
References: <33236044.339E@kerrlake.com> <333C5120.3EB2@ameritech.net>
<5hhore$52e@anomaly.ideamation.com> <5hrmmf$e91@pixar.com>
Organization: The Ace Tomato Company
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <5hrmmf$e91@pixar.com>, Mark VandeWettering <markv@pixar.com> wrote:

>There is a very simple reason for eliminating the code requirement:
>
> Testing is not required for any other operational mode.

That is irrelevant. There should be operational testing of some sort for
full privileges in other modes.

>Hams seem to fear that everyone in the universe will want to join their
>ranks unless they introduce large barriers to entry into the hobby.

If you changed the word "everyone" to "technically unqualified", you'd
hit the nail on the head.

MD
--
-- Ted Kennedy has killed more people with his car than I have
-- with my guns.
--

-- If you don't like my opinions, that's just too damn bad.

From 8204526899603516458
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe9672282bacf216,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,fe9672282bacf216,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 10e8ad,fe9672282bacf216,start
X-Google-Attributes: gid10e8ad,public
X-Google-Thread: 114671,fe9672282bacf216,start
X-Google-Attributes: gid114671,public
From: ve7vdx@dowco.com (Scott Leaf)
Subject: Amateur CW/Voice Satellite Frequencies FAQ
Date: 1997/04/01
Message-ID: <ve7vdx-0104971714140001@cqtlm-ppp060.dowco.com>#1/1
X-Deja-AN: 230097729
Organization: Consolidated Leaf International Inc.
Newsgroups:
aus.radio.amateur.misc,uk.radio.amateur,rec.radio.amateur.space,rec.ham-radio

Amateur CW/Voice Satellite Frequencies as of April 1, 1997.

Name	Mode(s)	Frequencies		Beacon(s)
AO-10	B	Uplink	435.030 - 435.180 CW/LSB	
		Downlink	145.975 - 145.825 CW/USB	145.810 CW
RS-10/11	A	Uplink	145.865 - 145.905 CW/USB	
		Downlink	29.360 - 29.400 CW/USB	29.357 CW
RS-12/13	KT	Uplink	21.210 - 21.250 CW/USB	
	K	Downlink	29.410 - 29.450 CW/USB	29.408 CW
	T	Downlink	145.910 - 145.950 CW/USB	145.908 CW
RS-15*	A	Uplink	145.858 - 145.898 CW/USB	
		Downlink	29.354 - 29.394 CW/USB	29.3525 CW 29.3987 CW
RS-16*	A	Uplink	145.915 - 145.948 CW/USB	435.504 CW 435.548 CW
		Downlink	29.415 - 29.448 CW/USB	29.408 CW 29.451 CW
FO-20	JA	Uplink	146.000 - 145.900 CW/LSB	
		Downlink	435.800 - 435.900 CW/USB	435.795 CW
AO-27	J-FM*	Uplink	145.850 FM	
		Downlink	436.800 FM	
FO-29*	JA	Uplink	146.000 - 145.900 CW/LSB	
		Downlink	435.800 - 435.900 CW/USB	435.795 CW

MIR Simplex	Uplink	145.200 FM
	Downlink	145.800 FM
SAFEX Repeater (Mir)		
	Uplink	435.750 FM subaudible tone 141.3
	Downlink	437.950 FM
SAREX Simplex (Space Shuttle)*		
	Uplink	144.910, 144.93, 144.95 144.97 or 144.99 FM
(Europe Only)	Uplink	144.70, 144.75, or 144.80 MHz
(Worldwide)	Downlink	145.55 FM

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* Radio Sport-15 has battery chargeing problems therefore the transponder and beacon are silent when the satellite is in darkness.

* Radio Sport-16 currently has it's Mode A transponder turned off. The ground controlers seem to be experimenting with the various beacons, therefore it is difficult to predict which will be on.

* Please note Amsat Oscar-27 has a very sensitive receiver, I have routinely uplinked to it with a handheld on low power. On the other hand reception of the 70cm downlink signal is more difficult without a directional antenna most of the time. Therefore it is important to make sure that you can hear the satellite downlink before you transmit therefor avoiding interfering with others already on this one channel satellite repeater.

* Fuji-Oscar 20 can also be used in mode JD (D meaning Digital), at time of writing this satellite was reported to be in Analog mode until further notice.

* Fuji-Oscar 29 can also be used in mode JD (D meaning Digital), at time of writing this satellite was reported to be in Digital mode until April 4. Here is the latest schedule:

Apr.	1(Tue)	00:28z	JD 9600bps
	4(Fri)	01:14z	JA
	11(Fri)	10:16z	JD 1200bps
	18(Fri)	00:46z	JD 9600bps
	25(Fri)	01:24z	JA
May	2(Fri)	10:26z	JD 1200bps
	9(Fri)	00:57z	JD 9600bps
	16(Fri)	01:35z	JA
	23(Fri)	00:29z	JD 1200bps
	30(Fri)	01:07z	JD 9600bps

* STS-83 is scheduled to launch on April 3rd, 1997 at approximately 2:01 p.m. EST (1901 UTC). The launch window is 2 hours 30 minutes long. STS-83 will include a SAREX package.

CALL SIGNS:

James D. Halsell, Commander, KC5RNI
Janice E. Voss, Payload Commander, KC5BTK

Donald A. Thomas, Mission Specialist, KC5FVF

QSLs: Send reports and QSLs to ARRL EAD, STS-83 QSL, 225 Main Street, Newington, CT 06111-1494, USA. Include the following information in your QSL or report: STS-83, date, time in UTC, frequency and mode (FM, voice or packet). In addition, you must also include a SASE using a large, business-sized envelope if you wish to receive a card.

This FAQ is constantly being updated and re-released on a weekly basis on or about Monday. Any constructive suggestions are always welcome.

The latest update of this list may be found at these locations:

```
Web.........http://www.umecut.maine.edu/~baack/satellite1.html
Newsgroup...rec.radio.amateur.space
         ...rec.ham-radio
         ...uk.radio.amateur
         ...aus.radio.amateur.misc
Mail List...amsat-bb@amsat.org Mailist
```

- errors or omissions to ve7vdx@dowco.com

```
From 3480642781667444829
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Jim Cummings <jcumming@clark.dgim.doc.ca>
Subject: Re: CW should die, children, please...
Date: 1997/04/02
Message-ID: <334291C2.3019@clark.dgim.doc.ca>#1/1
X-Deja-AN: 230134027
References: <33236044.339E@kerrlake.com> <333C5120.3EB2@ameritech.net>
<5hhore$52e@anomaly.ideamation.com> <5hrmmf$e91@pixar.com>
<5hsesu$2s2@anomaly.ideamation.com>
Organization: The Communications Research Centre
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
```

Michael P. Deignan wrote:
>
> In article <5hrmmf$e91@pixar.com>, Mark VandeWettering <markv@pixar.com> wrote:
>
> >There is a very simple reason for eliminating the code requirement:
> >
> >   Testing is not required for any other operational mode.

>
> That is irrelevant. There should be operational testing of some sort for
> full privileges in other modes.
>

It certainly is a relevant question when there is no compelling need for
such testing... or does Deignan believe in testing for testing's sake?

> >Hams seem to fear that everyone in the universe will want to join their
> >ranks unless they introduce large barriers to entry into the hobby.
>
> If you changed the word "everyone" to "technically unqualified", you'd
> hit the nail on the head.
>

So how does Morse code testing, or mode testing for that matter, make one
"technically qualified"? Since it doesn't, there is no need for mode
testing.
> MD
> --
> -- Ted Kennedy has killed more people with his car than I have
> -- with my guns.
> --
> -- If you don't like my opinions, that's just too damn bad.

73 and live better digitally
Jim, VE3XJ

From 3363597395830301537
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2d50923cef6dd5e7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: ff938,2d50923cef6dd5e7
X-Google-Attributes: gidff938,public
X-Google-Thread: 107ada,2d50923cef6dd5e7
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,2d50923cef6dd5e7
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1009ad,2d50923cef6dd5e7
X-Google-Attributes: gid1009ad,public
From: Eric <ec222@iscweb.com>
Subject: Re: Non-mag mount scanner aerial?
Date: 1997/04/02
Message-ID: <33428E21.32DD@iscweb.com>#1/1
X-Deja-AN: 230163688
References: <333F33FA.154E@pobox.com>
To: pforkes@pobox.com
Organization: West Coast Online's News Server - Not responsible for content
Reply-To: ec222@iscweb.com
Newsgroups: rec.ham-

radio,alt.radio.scanner,red.radio.scanner,rec.radio.amateur,rec.radio.amateur.misc

Peter A. Forkes wrote:
>
> I'm looking for an aerial for the scanner in my car. Rdaio Shack do a
> magnetic mount aerial, but I'd rather have one that I can mount on the
> side/hood of my car (frankly, I don't want to add another 3 feet to the
> hight of my car).
>
> Anyway, I'd like to hear from anyone who can either tell me of an
> alternative aerial or can give mt the name and address/phone
> number/e-mail address of a company who make such aerials.
>
> Thanks,
>
> Peter

Try the Radio Shack AM/FM/CB diguise antenna. I've had two on different
vehicles and I think they are great. You should replace the cable that
came with it with some good coax. I ran mine into a spliter and one
lead goes to my car radio (where reception improved dramatically!) and
the other lead to my scanner.

From 6851508296285086020
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: andy@tiedye.com (The Tie-Dyed Side of the Force)
Subject: Re: CW should die, children, please...
Date: 1997/04/02
Message-ID: <5hugg1$31h@masters0.InterNex.Net>#1/1
X-Deja-AN: 230219374
References: <33236044.339E@kerrlake.com> <333C5120.3EB2@ameritech.net>
<5hhore$52e@anomaly.ideamation.com> <5hrmmf$e91@pixar.com>
<5hsesu$2s2@anomaly.ideamation.com>
Organization: InterNex Information Services 1-800-595-3333
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

>If you changed the word "everyone" to "technically unqualified", you'd
>hit the nail on the head.

If you are worried about the "technically unqualified", then test for
technical qualifications, not Morse Code.

```
From 3537638959978798915
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Greg Emerson <gregemmy@lni.net>
Subject: Re: CW should die, children, please...
Date: 1997/04/02
Message-ID: <3342C07C.52AA@lni.net>#1/1
X-Deja-AN: 230285678
References: <33236044.339E@kerrlake.com> <333C5120.3EB2@ameritech.net>
<5hhore$52e@anomaly.ideamation.com> <5hrmmf$e91@pixar.com>
<5hsesu$2s2@anomaly.ideamation.com> <334291C2.3019@clark.dgim.doc.ca>
Organization: Technology Dimensions Inc. 114 E Elm Ave Monroe,MI 48162
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
```

> >Hams seem to fear that everyone in the universe will want to join their
> >ranks unless they introduce large barriers to entry into the hobby.

Learning CW is a "large barrier"? Please!

The truth is that people don't want to learn CW because it takes a little time and effort and they don't want to have to do it. I know that is why I didn't want to! But it was the requirement, so I did it. Can I just pass on the college classes that I think are bullshit and that I'll never use and get my degree anyway? Naw.

I don't think it's so much a barrier they are trying to put up, or a "technically unqualified" element they are trying to keep out. CW takes a *little* effort and time to learn and I think people in this "instant gratification" period we live in want to talk on the radio NOW.

I think learning CW shows a minimum level of committment and perseverance that are good qualities for people in the hobby to have. This minimum level of commitment and perseverence I am referring to transcends all levels of hierarchy. Poor people, rich people, handicapped people, yes, ALL people can qualify.

I am not against "no-code"licensing nor do I look down at no-code hams, I just think I understand why learning morse code has been a requirement and I don't think it was a bad idea.

Take care everyone and 73.

Greg WG8N

```
From -437615970699509045
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,254fac93d4808db3,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1009ad,254fac93d4808db3,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 10c9e3,254fac93d4808db3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,254fac93d4808db3,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 107ada,254fac93d4808db3,start
X-Google-Attributes: gid107ada,public
From: "Peter A. Forkes" <pforkes@pobox.com>
Subject: Seeker Multiband Mobile Antenna
Date: 1997/04/02
Message-ID: <3343291D.7ED2@pobox.com>#1/1
X-Deja-AN: 230306300
Organization: The Internet Access Company, Inc.
Reply-To: pforkes@pobox.com
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc

Does anyone have any experience with a Seeker Multiband Mobile Antenna?

I'm thinking of getting one for my Radio Shack PRO-2046 scanner.

http://www.radio-ware.com/sekmm.html

Peter

From -7783230855779313699
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: kd1hz@anomaly.ideamation.com (Michael P. Deignan)
Subject: Re: CW should die, children, please...
Date: 1997/04/02
Message-ID: <5hv24l$5r4@anomaly.ideamation.com>#1/1
X-Deja-AN: 230312314
References: <33236044.339E@kerrlake.com> <5hrmmf$e91@pixar.com>
<5hsesu$2s2@anomaly.ideamation.com> <5hugg1$31h@masters0.InterNex.Net>
Organization: The Ace Tomato Company
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <5hugg1$31h@masters0.InterNex.Net>,
The Tie-Dyed Side of the Force <andy@tiedye.com> wrote:

>>If you changed the word "everyone" to "technically unqualified", you'd
>>hit the nail on the head.
>
>If you are worried about the "technically unqualified", then test for
>technical qualifications, not Morse Code.

I'd like to. Unfortunately, I don't think we're going to see any
changes anytime soon. So, its better to stick with what we have
then make things more lax.

MD
--
-- Ted Kennedy has killed more people with his car than I have
-- with my guns.
--
-- If you don't like my opinions, that's just too damn bad.

From 4447648767403467809
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: jeffreyh@Hawaii.Edu (Jeffrey Herman)
Subject: Re: CW should die, children, please...
Date: 1997/04/02
Message-ID: <5hsj4d$rba@news.Hawaii.Edu>#1/1
X-Deja-AN: 230365789
References: <33236044.339E@kerrlake.com> <5hhore$52e@anomaly.ideamation.com>
<5hrmmf$e91@pixar.com>
Organization: University of Hawaii
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <5hrmmf$e91@pixar.com>, Mark VandeWettering <markv@pixar.com> wrote:

>There is a very simple reason for eliminating the code requirement:
>
>   Testing is not required for any other operational mode.

Easy to fix. Require skill tests for all the popular modes.

Jeff KH2PZ

From 3971404448682334009
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "D.Arnold" <D.Arnold@primocomputers.com>
Subject: Re: CW should die, children, please...
Date: 1997/04/02
Message-ID: <33435390.462@primocomputers.com>#1/1
X-Deja-AN: 230484578
References: <33236044.339E@kerrlake.com> <33261465.3E4@ameritech.net>
<01bc2ef9$7c74e020$d2c1e1ce@cstevens.usr.com> <332AF3DB.371C@rollanet.org>
<01bc34c6$3b3db500$12f431cf@william-lee> <3335a202.25772406@news.sprynet.com>
<01bc37bd$06503e40$97c1e1ce@carl.ais.net> <5hc4ig$lno@rosebud.sdsc.edu>
<01bc1ce5$256e37c0$a26099ce@roccocon>
To: Rocco <rocco@superior.net>
Organization: Datasync Internet
Reply-To: D.Arnold@primocomputers.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Rocco wrote:
>
> Did anyone ever wonder why OUR hobby is in trouble????
> Arguments like this one take place on the air everyday. I enjoy all bands
> and modes.
> For what its worth, if you like CW (as I do) then operate cw, but don't
> cram it down
> everyones jaw. Stick to what you like and don't bitch about what you don't
> like.
>
> 73
> Rocco
> WU2M

VERY sensible approach..

DON kb5FHX

From 6696821358571440606
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Rocco" <rocco@superior.net>
Subject: Re: CW should die, children, please...

Date: 1997/04/03
Message-ID: <01bc1ce5$256e37c0$a26099ce@roccocon>#1/1
X-Deja-AN: 230259888
References: <33236044.339E@kerrlake.com> <33261465.3E4@ameritech.net>
<01bc2ef9$7c74e020$d2c1e1ce@cstevens.usr.com> <332AF3DB.371C@rollanet.org>
<01bc34c6$3b3db500$12f431cf@william-lee> <3335a202.25772406@news.sprynet.com>
<01bc37bd$06503e40$97c1e1ce@carl.ais.net> <5hc4ig$lno@rosebud.sdsc.edu>
Organization: WebSpan Inc., New Jersey
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Did anyone ever wonder why OUR hobby is in trouble????
Arguments like this one take place on the air everyday. I enjoy all bands
and modes.
For what its worth, if you like CW (as I do) then operate cw, but don't
cram it down
everyones jaw. Stick to what you like and don't bitch about what you don't
like.

73
Rocco
WU2M

From 9088671607538301257
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: subich@ibm.net (Joe Subich)
Subject: Re: CW should die, children, please...
Date: 1997/04/03
Message-ID: <33433119.0@news1.ibm.net>#1/1
X-Deja-AN: 230305720
References: <33236044.339E@kerrlake.com> <5hc4ig$lno@rosebud.sdsc.edu>
<333C5120.3EB2@ameritech.net> <5hhore$52e@anomaly.ideamation.com>
<5hrmmf$e91@pixar.com>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In message <5hrmmf$e91@pixar.com> - markv@pixar.com (Mark
VandeWettering)1 Apr 1997 19:12:15 GMT writes:
:>
:>If I choose not to use Morse, then so be it.

Fine, use it on not as you see fit.

:>I should not be forced to demonstrate a skill which I have no
:>interest in developing.

If you have no interest in developing amateur radio's most basic skill,
you have no interest in becomming a radio amateur.

:>Catch a clue people, there are already no-license hi-tech digital
:>hand-held radios, they are called cell phones. They are convenient,
:>available, and relatively cheap for large numbers of people.

That's right, there is a REASON it's called cellular telephone and not
amateur radio ... any moron can buy/lease a cellphone there is no reason
for any license/competency testing.

:>There is already no-license hi-tech packet at data rates substantially
:>higher than the vast majority of packet radio, its called "the Internet".

Correct again, Sherlock. It's the internet, primarily wireline based
and
NOT amateur radio. One need only look at much of the activity on "the
net" and know that it takes no talent, knowlege, or ability ... just a
checkbook to get on the net. Anyone believe that The Amateur Radio
Service should become just another checkbook hobby?

==
Joe Subich, W8IK ex-AD8I
     <W8IK@IBM.NET>
     <W8IK@AMSAT.ORG>
     <subich@ibm.net>
     <subich@compuserve.com>
==

From -3285742359542200724
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: billsohl@planet.net (Bill Sohl)
Subject: Re: CW should die, children, please...
Date: 1997/04/03
Message-ID: <5hvco7$jeo@jupiter.planet.net>#1/1
X-Deja-AN: 230336628
References: <33236044.339E@kerrlake.com> <333C5120.3EB2@ameritech.net>
<5hhore$52e@anomaly.ideamation.com> <5hrmmf$e91@pixar.com>
<5hsesu$2s2@anomaly.ideamation.com> <334291C2.3019@clark.dgim.doc.ca>
<3342C07C.52AA@lni.net>
Organization: Mount Olive Township (NJ) Emergency Management
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Greg Emerson <gregemmy@lni.net> wrote:

>> >Hams seem to fear that everyone in the universe will want to join their
>> >ranks unless they introduce large barriers to entry into the hobby.

>Learning CW is a "large barrier"? Please!

>The truth is that people don't want to learn CW because it takes a
>little time and effort and they don't want to have to do it. I know that
>is why I didn't want to! But it was the requirement, so I did it. Can I
>just pass on the college classes that I think are bullshit and that I'll
>never use and get my degree anyway? Naw.

College is a choice you can change. You can go to
different schools to avoid some types of required classes.
In any case, this is a government licensing requirement,
not a private entity. Simply put, the government has
an obligation to ONLY have relavent test requirements.
You don't find questions on the theory test on
vacuum tubes anymore because times have changed.
That is the position morse should be in....dropped as
a requirement because it is absolutely of no importance
to contemporary communications on HF. Use it all
you want, but the government has no role to play in
fostering continued use of a mode which has only
entertainment/enjoyment value.

>I don't think it's so much a barrier they are trying to put up, or a
>"technically unqualified" element they are trying to keep out. CW takes
>a *little* effort and time to learn and I think people in this "instant
>gratification" period we live in want to talk on the radio NOW.

The role of government testing is NOT to establish a work
ethic, sense of commitment or any other subjective quality
in an amateur. The role of government testing must be limited
t testing for a minimum set of qualifications to allow a person
to operate in the amateur bands.

>I think learning CW shows a minimum level of committment and
>perseverance that are good qualities for people in the hobby to have.
>This minimum level of commitment and perseverence I am referring to
>transcends all levels of hierarchy. Poor people, rich people,
>handicapped people, yes, ALL people can qualify.

See the above again.

>I am not against "no-code"licensing nor do I look down at no-code hams,
>I just think I understand why learning morse code has been a requirement
>and I don't think it was a bad idea.

You don't think it was a bad idea, yet you admit you don't
understand why it is a requirement. Does that make any sense at all?

Bill Sohl K2UNK
ARRL Local Gov't Liaison, Mt. Olive Township, NJ

From 2966856496528586532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: billsohl@planet.net (Bill Sohl)
Subject: Re: CW should die, children, please...
Date: 1997/04/03
Message-ID: <5hvd1d$jeo@jupiter.planet.net>#1/1
X-Deja-AN: 230336964
References: <33236044.339E@kerrlake.com> <5hc4ig$lno@rosebud.sdsc.edu>
<333C5120.3EB2@ameritech.net> <5hhore$52e@anomaly.ideamation.com>
<5hrmmf$e91@pixar.com> <33433119.0@news1.ibm.net>
Organization: Mount Olive Township (NJ) Emergency Management
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

subich@ibm.net (Joe Subich) wrote:

>In message <5hrmmf$e91@pixar.com> - markv@pixar.com (Mark
>VandeWettering)1 Apr 1997 19:12:15 GMT writes:
>:>
>:>If I choose not to use Morse, then so be it.

>Fine, use it on not as you see fit.

>:>I should not be forced to demonstrate a skill which I have no
>:>interest in developing.

>If you have no interest in developing amateur radio's most basic skill,
>you have no interest in becomming a radio amateur.

Presumably this qualifies as a rephrasing of the claim that
only real hams use morse code.

Bill Sohl K2UNK
ARRL Local Gov't Liaison, Mt. Olive Township, NJ

From 5291194331207584063
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,2d50923cef6dd5e7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: ff938,2d50923cef6dd5e7
X-Google-Attributes: gidff938,public
X-Google-Thread: 107ada,2d50923cef6dd5e7
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,2d50923cef6dd5e7
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1009ad,2d50923cef6dd5e7
X-Google-Attributes: gid1009ad,public
From: phil@cafe.net (phil)
Subject: Re: Non-mag mount scanner aerial?
Date: 1997/04/03
Message-ID: <33456ff6.12902600@news.direct.ca>#1/1
X-Deja-AN: 230357442
References: <333F33FA.154E@pobox.com>
Organization: Canada Internet Direct, Inc.
Newsgroups: rec.ham-
radio,alt.radio.scanner,red.radio.scanner,rec.radio.amateur,rec.radio.amateur.misc


On Sun, 30 Mar 1997 22:48:10 -0500, "Peter A. Forkes"
<pforkes@pobox.com> wrote:

>I'm looking for an aerial for the scanner in my car.  Rdaio Shack do a
>magnetic mount aerial, but I'd rather have one that I can mount on the
>side/hood of my car (frankly, I don't want to add another 3 feet to the
>hight of my car).
>
>Anyway, I'd like to hear from anyone who can either tell me of an
>alternative aerial or can give mt the name and address/phone
>number/e-mail address of a company who make such aerials.
>
>Thanks,
>
>Peter
>
>

I'm using a Rad Shack unit which clips to the window glass in my door
and uses the flexible antenna outside (bnc mount)  works much better
than rubber duck in car, but less effective than actual mag mount
unit.  Good compromise - I live in high crime area - they'll take the
mag mount off your car while stopped at a light!




From 272547062669905724
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
```

```
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: kc5egg@ix.netcom.com(Gerald Schmitt )
Subject: Re: CW should die, children, please...
Date: 1997/04/03
Message-ID: <5hv7af$6im@dfw-ixnews12.ix.netcom.com>#1/1
X-Deja-AN: 230400890
References: <33236044.339E@kerrlake.com> <5hhore$52e@anomaly.ideamation.com>
<5hrmmf$e91@pixar.com> <5hsj4d$rba@news.Hawaii.Edu>
Organization: Netcom
X-NETCOM-Date: Wed Apr 02  9:14:23 PM CST 1997
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio


In <5hsj4d$rba@news.Hawaii.Edu> jeffreyh@Hawaii.Edu (Jeffrey Herman)
writes:
>
>In article <5hrmmf$e91@pixar.com>, Mark VandeWettering
<markv@pixar.com> wrote:
>
>>There is a very simple reason for eliminating the code requirement:
>>
>>    Testing is not required for any other operational mode.
>
>Easy to fix. Require skill tests for all the popular modes.
>
>Jeff KH2PZ

Even easier to fix.  Loose the code test ASAP

Jerry KK5YY




From -75963240071929097
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Jim Cummings <jcumming@clark.dgim.doc.ca>
Subject: Re: CW should die, children, please...
Date: 1997/04/03
Message-ID: <334408A3.6E92@clark.dgim.doc.ca>
X-Deja-AN: 230431896
References: <33236044.339E@kerrlake.com> <5hhore$52e@anomaly.ideamation.com>
<5hrmmf$e91@pixar.com> <5hsj4d$rba@news.Hawaii.Edu>
Organization: The Communications Research Centre
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
```

Jeffrey Herman wrote:
>
> In article <5hrmmf$e91@pixar.com>, Mark VandeWettering <markv@pixar.com> wrote:
>
> >There is a very simple reason for eliminating the code requirement:
> >
> >   Testing is not required for any other operational mode.
>
> Easy to fix. Require skill tests for all the popular modes.
>

I think the Herman's notion that operations testing is an easy fix is much easier said than done. I would hope that he can respond to some of my concerns as follows:

It goes without saying that testing is undertaken to confirm that the individual has the necessary skill or knowledge of that subject. However, since the government's legitimate concern is the mititigation of interference is among the users of the radio frequency spectrum, Herman has failed to show that such testing would be of benefit to amateur operation in general. Since Morse code testing has utterly failed to do so, what justifies Herman's proposal to expand operational testing when Morse code has utterly failed produce the desired results?   (There is no doubt that skills testing is important in the priviledges that are granted by the government, Herman has failed to show that such testing will solve certain problems in the context of amateur radio certification.) I can only conclude that Herman is unable to justify Morse code testing; yet, attempts to legitimize its existance by calling for the testing of the use of all modes. Since operational testing is useless in one mode, there is little chance that operational testing in all modes would be any less irrelevant.

Be that as it may, I would foresee a number of hurdles that the candidate would have to overcome. For example, let us presume that the operational testing for radiotelephone operation would be to communicate in that mode. Certainly, it would be odd to test an individual capability in such a skill having never been exposed to the operation of a radio. It only follows that the individual will have to practise such skills; but, the is problematical because the individual is prohibited from operating an amateur station without a licence. Thus, each prospective amateur would have to have an "elmer" to coach the individual along while practising these skills on air. What sort of accomodations would Herman recommend for those individuals who are unable to find and "elmer" for whatever reason? For that matter, I would imagine the Herman would not qualify as an "elmer", considering his disdain for digital communications (surely digital communications would be designated as "popular" by Herman....)

Another notion that I find questionable in Herman's proposal is that operational testing is limited to only the "popular" mode. Would Herman be kind enough to inform us as to what criteria would determine which mode is "popular" and which is "unpopular"?   What justifies this distinction? Is that not, like Morse code testing is now, arbitrary in nature? Would it not make more sense to test one's capabilities on those modes which are most likely to cause interference rather than on the shallow notion of its popularity? From a technical point of view, such testing is more likely for the "unpopular" modes because those are the ones that most likely are used by the real experimenters. But this points out that the "popularity" of a mode, with respect to others is irrelevant to the issue to the government's legitimate interests in managing the radio frequency spectrum. For example, as Herman has said many times, CW is the second most popular mode on the HF spectrum. However, he has never explained how the knowledge of Morse code is relative to mitigating interfering with other radio frequency spectrum users. What is seemingly forgotten by Herman is that it is the spectral purity of the emission that is of importance whereas the encoding scheme is insignifcant in so far as the legitimate concerns of the government.

Another issue that Herman fails to address is the concern of ensuring that the testing is objective, and removing, to the greatest extent possible, the subjectivity of the tester. What has to be considered is that operational testing doesn't devolve to a "pro forma" exercise and no one would fail; yet, there should be a definite criteria to measure the candidates capabilities while at the same time, extracting the tester's personal bias. The former is more likely, whereas the latter is unattainable. But anyways, Herman avoids the core question - What is to be gained by operational testing? Since there is nothing gained with Morse code testing, in so far as the government is concerned, why must it be compounded by the addition of operational testing of other modes which also irrelevant to the government's concerns? The corollary to this question is if the concern is the bad behaviour of certain individuals on the bands, Morse code testing was ineffective, what make Herman believe that expanding such operational testing would be any more effective?

I would hope that Herman would be kind enough to address these concerns.

> Jeff KH2PZ

73 and live better digitally
Jim, VE3XJ

From -5217354960748272137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: angela@unicorn.it.wsu.edu (Angela Simons)
Subject: Re: CW should die, children, please...
Date: 1997/04/03
Message-ID: <E82oy9.B6D@serval.net.wsu.edu>#1/1
X-Deja-AN: 230464993
X-Nntp-Posting-Host: unicorn.it.wsu.edu
Sender: news@serval.net.wsu.edu (News)

References: <33236044.339E@kerrlake.com> <33261465.3E4@ameritech.net>
<01bc2ef9$7c74e020$d2c1e1ce@cstevens.usr.com> <332AF3DB.371C@rollanet.org>
<01bc34c6$3b3db500$12f431cf@william-lee> <3335a202.25772406@news.sprynet.com>
<01bc37bd$06503e40$97c1e1ce@carl.ais.net> <5hc4ig$lno@rosebud.sdsc.edu>
<333C5120.3EB2@ameritech.net> <01bc3bdb$71fcc9c0$81f431cf@william-lee>
Followup-To: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
Organization: Washington State University
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

: As a general class amateur I have taken and passed the 13 wpm cw test.
: However, if my radio quit working on the cw bands I would never know it.
: Why was I required to pass a cw test knowing that I did not like it or
: would ever use it?
: I do not know the answer. I did it because I wanted the general class
: ticket.

VERY GOOD! You did it because: You wanted the ticket! That IS the reason that the code should NOT die. I have heard lots of people say that the code is no longer a *critical* part of amateur radio OPERATION, and hence it should no longer be required as a test element. The operation part may be correct, but a critical part of LICENSING it must continue to be. In all of the posts of people who seek to abolish CW testing, I have yet to hear a proposal for replacing it. WHAT?! REPLACE IT?! WE JUST WANT IT GONE!! Well, the trouble is that, without the code, there is simply no challenge to obtaining a ham ticket. None whatsoever. I'm sure that even the most hard-core CW-test-haters would agree: If everybody could get an Extra ticket on their first test date, the airwaves would be teaming with newbies, many of whom would lack the learned respect for their hobby. THIS IS NOT TO SAY that those who opt NOT to upgrade lack this respect, or are in some way "newbies" even after years of VHF-only operation. They simply DON'T WANT HF enough to have it. BAR NONE.

The "incentive licensing" scheme is ENTIRELY HELD UP by CW testing. Do we really want to hastily destroy this necessary foundation of Ham radio without considering some way to keep it going? I received my Technician No-Code license in March of '93, when I was 17 years old, and was "Temporary AE" by December of the same year. If CW testing had not existed, the only thing that would have prevented me from going from Tech to Extra in one month would have been the fact that there was only one ARRL testing session per month. I'm 21 years old now (as of January), and head up Washington State University's "Rho Epsilon Amateur Radio Fraternity." In the past year, I have helped ten members get their 5 WPM, and 2 get their 13. Nobody took more that one week to learn 5, and the two who got their 13 did so because they took my advice and tried 5 WPM on-the-air.

My point after all this: I think CW is great, and I enjoy using it on-the-air, too. There are many who don't enjoy CW, however, and this is OK. I don't believe, however, that the so-called No-Code movement had considered the impact that removing the code testing would have on incentive licensing. It would be devastating. In my own humble opinion, many of those who call themselves "No-Code" activists are simply along for the ride -- selfishly awaiting the day when they can rush to the local W5YI session, take 3 theory

elements, and walk out an Extra. You can all claim otherwise, but that's
what I'll believe until I see a valid attempt to replace the brace that CW
has built for incentinve licensing -- or does anybody care what happens to
our fine hobby?

I do. --... ...--
Ki7QM, Aaron

PS: email responses to: jah@wsu.edu, or hamradio@eecs.wsu.edu

From -3502464485895994012
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Ed Legenza AA6NI <atued@best.com>
Subject: Re: CW should die, children, please...
Date: 1997/04/03
Message-ID: <3344007D.7248@best.com>#1/1
X-Deja-AN: 230468770
References: <33236044.339E@kerrlake.com> <5hrmmf$e91@pixar.com>
<5hsesu$2s2@anomaly.ideamation.com> <5hugg1$31h@masters0.InterNex.Net>
<5hv24l$5r4@anomaly.ideamation.com>
Organization: ATU 1574
Reply-To: atued@best.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Michael P. Deignan wrote:
>
> In article <5hugg1$31h@masters0.InterNex.Net>,
>   The Tie-Dyed Side of the Force <andy@tiedye.com> wrote:
>
> >>If you changed the word "everyone" to "technically unqualified", you'd
> >>hit the nail on the head.
> >
> >If you are worried about the "technically unqualified", then test for
> >technical qualifications, not Morse Code.
>
> I'd like to. Unfortunately, I don't think we're going to see any
> changes anytime soon. So, its better to stick with what we have
> then make things more lax.
>
> MD
> --
> -- Ted Kennedy has killed more people with his car than I have
> -- with my guns.

> --
> -- If you don't like my opinions, that's just too damn bad.

So what is wrong with CW? Gosh I hate when people start carping about
the code. It is a legitimate mode of communication even in the 21st
century. If you don't like CW, don't use that mode.

Having been a VE for some time. I believe that people motivated to
become hams can learn to copy 13 wpm enough to become a general class
ham. IT really is NOT all that hard!

ED 73

From -372575330495968366
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2d50923cef6dd5e7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: ff938,2d50923cef6dd5e7
X-Google-Attributes: gidff938,public
X-Google-Thread: 107ada,2d50923cef6dd5e7
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1009ad,2d50923cef6dd5e7
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa656,2d50923cef6dd5e7
X-Google-Attributes: gidfa656,public
From: b073220c@bcfreenet.seflin.org (Brian Cathcart)
Subject: Re: Non-mag mount scanner aerial?
Date: 1997/04/03
Message-ID: <5i0v1f$sre@nntp.seflin.org>#1/1
X-Deja-AN: 230469613
References: <333F33FA.154E@pobox.com>
Followup-To: rec.ham-radio,alt.radio.scanner,red.radio.scanner,rec.radio.amateur,rec.radio.amateur.misc
Organization: SEFLIN Free-Net - Broward
Newsgroups: rec.ham-radio,alt.radio.scanner,red.radio.scanner,rec.radio.amateur,rec.radio.amateur.misc

Peter A. Forkes (pforkes@pobox.com) wrote:
: Anyway, I'd like to hear from anyone who can either tell me of an
: alternative aerial or can give mt the name and address/phone
: number/e-mail address of a company who make such aerials.

Two options:
1 = Antenna Specialists trunk-lip mount, MONR52, $41.99 plus shipping
2 = Buy #1 and then go to a local radio shop (NOT Radio SHACK), one that
installs radios in cars, and buy an "L" bracket and cable assembly (bring
the antenna with you to show them what size hole/base you need). The
"L" bracket mounts in the gap along either the hood or trunk; police cars
usually have this type of antenna. The Antenna Specialists scanner
antenna will screw into an "L" bracket base.

I have 2 of these brackets on the front of my S-10 Blazer.

--

The Scanner Dude
Brian Cathcart - KE4PMJ
E-mail: ScannerDude@juno.com

Palm Beach County, FL Frequency Directory
http://www.laker.net/mikef/scandude.txt

From 574380127027051664
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2d50923cef6dd5e7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: ff938,2d50923cef6dd5e7
X-Google-Attributes: gidff938,public
X-Google-Thread: 1009ad,2d50923cef6dd5e7
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa656,2d50923cef6dd5e7
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,2d50923cef6dd5e7
X-Google-Attributes: gid107ada,public
From: b073220c@bcfreenet.seflin.org (Brian Cathcart)
Subject: Re: Non-mag mount scanner aerial?
Date: 1997/04/03
Message-ID: <5i0v5m$sre@nntp.seflin.org>#1/1
X-Deja-AN: 230477796
References: <333F33FA.154E@pobox.com> <5i0v1f$sre@nntp.seflin.org>
Organization: SEFLIN Free-Net - Broward
Newsgroups: rec.ham-radio,alt.radio.scanner,red.radio.scanner,rec.radio.amateur,rec.radio.amateur.misc

Brian Cathcart (b073220c@bcfreenet.seflin.org) wrote:
: I have 2 of these brackets on the front of my S-10 Blazer.

Sorry I forgot to put the phone number where to buy the Antenna Specialists antennas: Scanner World in Albany, NY, 518-436-9606.

--

The Scanner Dude
Brian Cathcart - KE4PMJ
E-mail: ScannerDude@juno.com

Palm Beach County, FL Frequency Directory
http://www.laker.net/mikef/scandude.txt

From 6709744912686815401
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: jwkelley@e4e.oac.uci.edu (James W. KELLEY)
Subject: Re: CW should die, children, please...
Date: 1997/04/03
Message-ID: <5i160h$7g9@news.service.uci.edu>#1/1
X-Deja-AN: 230490134
References: <33236044.339E@kerrlake.com> <333C5120.3EB2@ameritech.net>
<01bc3bdb$71fcc9c0$81f431cf@william-lee> <E82oy9.B6D@serval.net.wsu.edu>
Organization: University of California, Irvine
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <E82oy9.B6D@serval.net.wsu.edu>,
Angela Simons' email address wrote <angela@unicorn.it.wsu.edu>:

>I have yet to hear a
>proposal for replacing it. WHAT?! REPLACE IT?! WE JUST WANT IT GONE!! Well,
>the trouble is that, without the code, there is simply no challenge to
>obtaining a ham ticket. None whatsoever.

This is perhaps an overstatement. A challenge is not the essential
element as a qualifier for an amateur radio license. The requisite
knowlege is all that is tested for in any of the examinations. They
don't ask how hard it was for you. Furthermore, as has been pointed out
on numerous ocassions by Todd Little, if there was no challenge to
passing any of the written exams, you wouldn't have any Generals - they
would all have an Advanced.

>I'm sure that even the most hard-
>core CW-test-haters would agree: If everybody could get an Extra ticket on
>their first test date, the airwaves would be teaming with newbies, many of
>whom would lack the learned respect for their hobby.

If the problem your trying to solve (via Morse) is caused by "newbies" and
their lack of experience, there is quite a simple and much more
straightforward solution: require that they not be newbies! Put a "time
in grade" requirement into effect. The code did not prevent this newbie
from upgrading to Extra.

>In my own humble opinion, many of those who call
>themselves "No-Code" activists are simply along for the ride -- selfishly
>awaiting the day when they can rush to the local W5YI session, take 3 theory
>elements, and walk out an Extra.

And this despite any and all evidence to the contrary - like the license class of the "No-Code activists" you refer to. There are 5 written elements; 170 questions out of 1700 in the question pool. Privileges principally include operating a radio. I find courteous and lawful operating to be of the greatest importance. And I like the fact that we have a hobby where studying applied electronics allows you to acquire a license to build and operate transmitters. But the rigors of properly operating an amateur radio are no where near as demanding as one might gather from all the rhetoric presented here on the newgroup. However, it does take practice to do it well.

Still practicing,

ac6xg

```
From -8164767488793610623
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: kd1hz@anomaly.ideamation.com (Michael P. Deignan)
Subject: Re: CW should die, children, please...
Date: 1997/04/03
Message-ID: <5i19ef$8bo@anomaly.ideamation.com>#1/1
X-Deja-AN: 230501094
References: <33236044.339E@kerrlake.com> <5hrmmf$e91@pixar.com>
<5hsj4d$rba@news.Hawaii.Edu> <334408A3.6E92@clark.dgim.doc.ca>
Organization: The Ace Tomato Company
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
```

In article <334408A3.6E92@clark.dgim.doc.ca>,
Jim Cummings <jcumming@clark.dgim.doc.ca> wrote:

>However,
>since the government's legitimate concern is the mititigation of interference
>is among the users of the radio frequency spectrum,

Cummings keeps quoting this "mitigation" claim, but the real question is "Who says this is true"? I keep seeing people post this fallacy, but I've never seen any evidence to support it.

>Since Morse code testing has utterly failed to do so, what justifies Herman's
>proposal to expand operational testing when Morse code has utterly failed
>produce the desired results?

Cummings assertion that morse code testing has "failed" is an irrelevant opinion with no basis in fact. Under what criteria does Cummings judge the morse test to be a "failure"? Cummings uses abject criteria to claim something that he disagrees with as a "failure" because he himself doesn't like it.

In typical "lowest common denominator" fashion of the welfare-state mentality, Cummings then attempts to erect a strawman claiming that since morse code testing has "failed" (something never established) then by 'definition' "all" operational tests are invalid. The true reason for Cummings' claim is that any operational testing implementation would go against his "give away the licenses" beliefs. Cummings attempts to further justify this with a "chicken before the egg" argument, claiming nobody would be able to pass a test because they couldn't get experience to pass the test. Of course, Cummings naturally fails to acknowledge that popular proposals in mode-based testing calls for an "entry level" license with a wide-range of operating privleges with limited bandwidth and limited power, to allow people to get familiar with the modes they intend to operate.

MD

```
--
--  Ted Kennedy has killed more people with his car than I have
--  with my guns.
--
--  If you don't like my opinions, that's just too damn bad.
```

```
From -2966670077832185468
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2d50923cef6dd5e7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,2d50923cef6dd5e7
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa029,d5edc2cda1b69c02,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1009ad,2d50923cef6dd5e7
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa656,2d50923cef6dd5e7
X-Google-Attributes: gidfa656,public
From: "Randy" <**randyZ@ainsworth.ca**>
Subject: Re: Non-mag mount scanner aerial?
Date: 1997/04/03
Message-ID: <01bc407b$72a062c0$c9f13cc7@alc-pc01>#1/1
X-Deja-AN: 230506569
References: <333F33FA.154E@pobox.com>
Organization: BCTEL Advanced Communications
Newsgroups: alt.radio.scanner,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.scanner
```

Peter

I ran into the same dilemma when I decided to put a scanner in my car. The neighborhood had been hit with a rash of "Thefts from Auto" and it seemed that the thieves were targeting cars with antennas hanging out all over them. I wanted to mount the scanner in the car and also mount an antenna in such a way that it wouldn't be obvious. Here is what I did:

First of all, my car is a sedan - 96 Honda Civic Si Coupe. I had all three rear windows tinted and then went to Radio Shack and purchased a female BNC chassis mount connector. I drilled a hole in the rear deck, right beside the child seat anchor and mounted the BNC chassis connector there. I ran the coax thru the trunk and under the carpet to where I had concealed the scanner. This worked GREAT. I was able to use the antennas from my handheld scanner in my car. I didn't have to worry about someone bumping it when they rode in the backseat because the antenna is flexible. If I wanted a little more range, I attached the telescopic BNC antenna. The metal of the rear deck acts as a ground plane and the reception was good. This also keeps the antenna out of the elements and you don't have to worry about knocking it off when your sweeping two feet of snow off of your car.

Hope this helps.
73s
Randy - VE7ERZ
randyZ@ainsworth.ca

Peter A. Forkes <pforkes@pobox.com> wrote in article
<333F33FA.154E@pobox.com>...
> I'm looking for an aerial for the scanner in my car. Rdaio Shack do a
> magnetic mount aerial, but I'd rather have one that I can mount on the
> side/hood of my car (frankly, I don't want to add another 3 feet to the
> hight of my car).
>
> Anyway, I'd like to hear from anyone who can either tell me of an
> alternative aerial or can give mt the name and address/phone
> number/e-mail address of a company who make such aerials.
>
> Thanks,
>
> Peter
>
>
>

From 4975989278733188648
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public

X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Ed Legenza AA6NI <atued@best.com>
Subject: Re: CW should die, children, please...
Date: 1997/04/03
Message-ID: <3344636C.5C8B@best.com>#1/1
X-Deja-AN: 230557341
References: <33236044.339E@kerrlake.com> <5hrmmf$e91@pixar.com>
<5hsj4d$rba@news.Hawaii.Edu> <334408A3.6E92@clark.dgim.doc.ca>
<5i19ef$8bo@anomaly.ideamation.com>
Organization: ATU 1574
Reply-To: atued@best.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Michael P. Deignan wrote:
>
> In article <334408A3.6E92@clark.dgim.doc.ca>,
>   Jim Cummings <jcumming@clark.dgim.doc.ca> wrote:
>
> >However,
> >since the government's legitimate concern is the mititigation of interference
> >is among the users of the radio frequency spectrum,
>
> Cummings keeps quoting this "mitigation" claim, but the real question is
> "Who says this is true"? I keep seeing people post this fallacy, but I've
> never seen any evidence to support it.
>
> >Since Morse code testing has utterly failed to do so, what justifies Herman's
> >proposal to expand operational testing when Morse code has utterly failed
> >produce the desired results?
>
> Cummings assertion that morse code testing has "failed" is an irrelevant
> opinion with no basis in fact. Under what criteria does Cummings judge
> the morse test to be a "failure"? Cummings uses abject criteria to
> claim something that he disagrees with as a "failure" because he himself
> doesn't like it.
>
> In typical "lowest common denominator" fashion of the welfare-state
> mentality, Cummings then attempts to erect a strawman claiming that
> since morse code testing has "failed" (something never established)
> then by 'definition' "all" operational tests are invalid. The true
> reason for Cummings' claim is that any operational testing implementation
> would go against his "give away the licenses" beliefs. Cummings
> attempts to further justify this with a "chicken before the egg"
> argument, claiming nobody would be able to pass a test because they
> couldn't get experience to pass the test. Of course, Cummings naturally
> fails to acknowledge that popular proposals in mode-based testing calls
> for an "entry level" license with a wide-range of operating privleges
> with limited bandwidth and limited power, to allow people to get
> familiar with the modes they intend to operate.
>
> MD

> --
> -- Ted Kennedy has killed more people with his car than I have
> -- with my guns.
> --
> -- If you don't like my opinions, that's just too damn bad.

Just thought I would say that I agree with you on much of your arguments. But don't be too hard on someone who has a mental block about the code. One of the most frustrating things I have done as a VE is try to give the test to the fiancee of a ham friend. She is disabled to the extent that she had, at that time, epilepsy. I knew she knew the answers but she just couldn't calm down enough to TEST.

So, some are luckier than others, and with the current system, no body should be left out completely!

ED AA6NI

From 6688676863741114452
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: tbryant@cannet.com (T.L.Bryant)
Subject: Re: CW should die, children, please...
Date: 1997/04/03
Message-ID: <5i1cfh$bo8@nerd.apk.net>#1/1
X-Deja-AN: 230563569
References: <33236044.339E@kerrlake.com> <5hc4ig$lno@rosebud.sdsc.edu> <333C5120.3EB2@ameritech.net> <5hhore$52e@anomaly.ideamation.com> <5hrmmf$e91@pixar.com> <33433119.0@news1.ibm.net>
Organization: cannet.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

>Correct again, Sherlock. It's the internet, primarily wireline based
>and
>*NOT* amateur radio. One need only look at much of the activity on "the
>net" and know that it takes no talent, knowlege, or ability ... just a
>checkbook to get on the net. Anyone believe that The Amateur Radio
>Service should become just another checkbook hobby?

Actually, most people want to be able to charge it to MC or Visa.

Tom - N8ECW

From -7592244551642037560
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: tbryant@cannet.com (T.L.Bryant)
Subject: Re: CW should die, children, please...
Date: 1997/04/03
Message-ID: <5i1ds4$bo8@nerd.apk.net>#1/1
X-Deja-AN: 230578066
References: <33236044.339E@kerrlake.com> <333C5120.3EB2@ameritech.net>
<5hhore$52e@anomaly.ideamation.com> <5hrmmf$e91@pixar.com>
<5hsesu$2s2@anomaly.ideamation.com> <334291C2.3019@clark.dgim.doc.ca>
<3342C07C.52AA@lni.net> <5hvco7$jeo@jupiter.planet.net>
Organization: cannet.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

>College is a choice you can change. You can go to
>different schools to avoid some types of required classes.
>In any case, this is a government licensing requirement,
>not a private entity. Simply put, the government has
>an obligation to ONLY have relavent test requirements.
>You don't find questions on the theory test on
>vacuum tubes anymore because times have changed.
>That is the position morse should be in....dropped as
>a requirement because it is absolutely of no importance
>to contemporary communications on HF. Use it all
>you want, but the government has no role to play in
>fostering continued use of a mode which has only
>entertainment/enjoyment value.

So what you're advocating is a double standard. You're saying it's OK for a college to decide on it's own ciriculum, but not the government when it comes to granting a license.

>The role of government testing is NOT to establish a work
>ethic, sense of commitment or any other subjective quality
>in an amateur. The role of government testing must be limited
>t testing for a minimum set of qualifications to allow a person
>to operate in the amateur bands.

I think we're pretty much at that point right now with memorizing question pools and multiple choice code tests.

Tom - N8ECW

From -116833511592657863
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: andy@tiedye.com (The Tie-Dyed Side of the Force)
Subject: Re: CW should die, children, please...
Date: 1997/04/04
Message-ID: <5i24r5$624@masters0.InterNex.Net>#1/1
X-Deja-AN: 230593018
References: <33236044.339E@kerrlake.com> <33261465.3E4@ameritech.net>
<01bc2ef9$7c74e020$d2c1e1ce@cstevens.usr.com> <332AF3DB.371C@rollanet.org>
<01bc34c6$3b3db500$12f431cf@william-lee> <3335a202.25772406@news.sprynet.com>
<01bc37bd$06503e40$97c1e1ce@carl.ais.net> <5hc4ig$lno@rosebud.sdsc.edu>
<333C5120.3EB2@ameritech.net> <01bc3bdb$71fcc9c0$81f431cf@william-lee>
<E82oy9.B6D@serval.net.wsu.edu>
Organization: InterNex Information Services 1-800-595-3333
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <E82oy9.B6D@serval.net.wsu.edu>,
Aaron KI7QM, using Angela Simons's account wrote:
>   VERY GOOD! You did it because: You wanted the ticket! That IS the
>reason that the code should NOT die.

That doesn't make any sense. What connection is there?

> I have heard lots of people say that the
>code is no longer a *critical* part of amateur radio OPERATION, and hence
>it should no longer be required as a test element. The operation part may be
>correct, but a critical part of LICENSING it must continue to be.

Why?

>In all of the posts of people who seek to abolish CW testing, I have yet to
>hear a proposal for replacing it.

Many of us have proposed that the written test be generated by computer to eliminate the option of learning just the answers to the questions in the question pool.

>   The "incentive licensing" scheme is ENTIRELY HELD UP by CW testing.
>Do we really want to hastily destroy this necessary foundation of Ham radio
>without considering some way to keep it going?

"Incentive licensing" is certainly NOT a "necessary foundation" of Ham Radio,
which survived very well without it for many years. In fact, it appears that
"Incentive licensing" mostly drove the slow-coders out of the hobby,
as our numbers started to decline when it was put into effect -- a decline
that only stopped with the advent of the code-free Technician license.

From 4571800882596451922
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: billsohl@planet.net (Bill Sohl)
Subject: Re: CW should die, children, please...
Date: 1997/04/04
Message-ID: <5i2mv8$5oq@jupiter.planet.net>#1/1
X-Deja-AN: 230635687
References: <33236044.339E@kerrlake.com> <333C5120.3EB2@ameritech.net>
<5hhore$52e@anomaly.ideamation.com> <5hrmmf$e91@pixar.com>
<5hsesu$2s2@anomaly.ideamation.com> <334291C2.3019@clark.dgim.doc.ca>
<3342C07C.52AA@lni.net> <5hvco7$jeo@jupiter.planet.net> <5i1ds4$bo8@nerd.apk.net>
Organization: BL Enterprises
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

tbryant@cannet.com (T.L.Bryant) wrote:

>>College is a choice you can change. You can go to
>>different schools to avoid some types of required classes.
>>In any case, this is a government licensing requirement,
>>not a private entity. Simply put, the government has
>>an obligation to ONLY have relavent test requirements.
>>You don't find questions on the theory test on
>>vacuum tubes anymore because times have changed.
>>That is the position morse should be in....dropped as
>>a requirement because it is absolutely of no importance
>>to contemporary communications on HF. Use it all
>>you want, but the government has no role to play in
>>fostering continued use of a mode which has only
>>entertainment/enjoyment value.

>So what you're advocating is a double standard. You're saying it's OK for a
>college to decide on it's own ciriculum, but not the government when it comes
>to granting a license.

Correct. Private actions are on no way the equivalent
of government rules. You don't like the requirements
at College A, then you have hundreds of other
choices. You don't agree with license requirements,
you have no alternatives.

That's why license requiremnts MUST always be
relavent and serve a compelling need.

>>The role of government testing is NOT to establish a work
>>ethic, sense of commitment or any other subjective quality
>>in an amateur. The role of government testing must be limited
>>t testing for a minimum set of qualifications to allow a person
>>to operate in the amateur bands.

>I think we're pretty much at that point right now with memorizing question
>pools and multiple choice code tests.

I think there much oom for improvement
there. Formula questions should have an infinete set
of vales that can be used on any test. That'd be a
simple start to avoid memorization on abou 10-20%
of any set of test questions.

(note rec.radio.amateur.misc deleted from distribution)

Bill Sohl K2UNK
ARRL Local Gov't Liaison, Mt. Olive Township, NJ

From 2568717614759349204
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Jim Cummings <jcumming@clark.dgim.doc.ca>
Subject: Re: CW should die, children, please...
Date: 1997/04/04
Message-ID: <33453750.76E5@clark.dgim.doc.ca>
X-Deja-AN: 230667449
References: <33236044.339E@kerrlake.com> <5hrmmf$e91@pixar.com>
<5hsj4d$rba@news.Hawaii.Edu> <334408A3.6E92@clark.dgim.doc.ca>
<5i19ef$8bo@anomaly.ideamation.com>
Organization: The Communications Research Centre
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Michael P. Deignan wrote:
>
> In article <334408A3.6E92@clark.dgim.doc.ca>,
>   Jim Cummings <jcumming@clark.dgim.doc.ca> wrote:
>
> >However,
> >since the government's legitimate concern is the mititigation of interference

> >is among the users of the radio frequency spectrum,
>
> Cummings keeps quoting this "mitigation" claim, but the real question is
> "Who says this is true"? I keep seeing people post this fallacy, but I've
> never seen any evidence to support it.
>

Perhaps Deignan should go and read the enabling legislation of his country. As I recall, it empowers the FCC to allocate spectrum and make determinations as to harmful interference and assess penalties as required. Does Deignan have any proof that the enabling legislation states otherwise? For that matter, what is the role of amateur certification? Correct me if I am wrong, but the bottom line is to ensure that amateurs don't cause interference.

> >Since Morse code testing has utterly failed to do so, what justifies Herman's
> >proposal to expand operational testing when Morse code has utterly failed
> >produce the desired results?
>
> Cummings assertion that morse code testing has "failed" is an irrelevant
> opinion with no basis in fact. Under what criteria does Cummings judge
> the morse test to be a "failure"? Cummings uses abject criteria to
> claim something that he disagrees with as a "failure" because he himself
> doesn't like it.
>

Whether I like Morse code has nothing to do with the efficacy of Morse code testing in order to permit individuals to operate below 30 MHz. In that Morse code is useless to mitigate interference is not opinion, but fact. Is Deignan able to show that the health of the radio frequency spectrum is worse in those bands where there are no-coded amateurs? I think not; indeed, most of the miscreants that are assessed penalties are to amateurs that have passed the Morse code for their misbehaviour on the HF frequencies.

I would be more than pleased if Deignan would be good enough to refrain from telling me what I like and dislike, I believe that I more capable of rendering such decisions.

> In typical "lowest common denominator" fashion of the welfare-state
> mentality, Cummings then attempts to erect a strawman claiming that
> since morse code testing has "failed" (something never established)
> then by 'definition' "all" operational tests are invalid.

The only straw man that is in evidence now is Deignan's attempt to link my objections to operational testing with the welfare-state mentality, whatever that means. Do I believe in a welfare-state, I most certainly do, so that my fellow human beings can be helped along with the eventual goal of being able to become productive members of society. Does that thinking extend to amateur radio? Hardly, because we are discussing a priviledge which is irrelevant to an individual's existence.

Deignan seems to be unable to read the subtle message that I posted. Let me be blunt, operational testing is of no value in amateur radio for the following reasons:

1. Impossible to achieve a level test criteria. This means that the variability of achieving a consistent, evenly applied test across the nation would be impossible. The ease or difficultly would likely be proportional to the whim of the examiner, and unevenly applied across the nation.

2. Operational testing is "pro forma". Such testing will result in very few failures. Although this would seem to be counter-intuitive to the first point, candidates would quickly learn which examiner is most likely to pass them, and go to them for that phase of the examination. Since every examination would result in success, it hardly seems worth the effort to have such an examination. (The problem is that it is easier to pass an individual on just such an examination rather than to justify the failure because there is little documentation to support the failure.)

3. Operational testing has no value in the context of amateur radio. Amateur radio is not a safety service - we do not, as a rule, communicate with other entities within internationally rules, i.e. as for what is stipulated in the martime mobile service. We have developed conventions among ourselves, but the fact of the matter is, that is only to satisfy our own needs. If someone is ignorant of our procedures, we should have the generosity of spirit to guide them, otherwise they will become frustrated and abandon amateur radio. But to up the ante by adding an operational test? In as much as Deignan is quite capable of being disparaging, let him answer the following - what is the need for operational testing? What problem would it solve? For that matter, he has never stated why Morse code testing should be continued (other than to state it must stay, by fiat)?

4. Operational testing would require a substantial effort of already licensing amateurs to assist in the education of those who wish to be amateurs. I believe that such assistance would be a noble endeavour, but practically, there are very few that would do so. Besides, as I have stated before, there are those who call for such testing that by their own admission would not qualify to assist in providing the opportunities to get practical experience operating a station because of their own narrow interests. As I stated before, even Herman would not qualify because I understand that he has no radiotelephone or digital equipment at all; indeed, he has disdained the use of these modes. He is entitle to pursue these interests as his wishes, but it is quite disengenuous to make a proposal in which he is unable to walk the talk.

5. Operational testing is oxymoronic. For example, Morse code is still used for EME, satellite and weak signal operations in the VHF bands. Yet it is not required to know Morse code in those bands. It defeats the purpose to bring back a mode test for which there ample evidence that it is no value (in refute to Deignan's above mentioned contradictory notion); otherwise, that requirement would have remained. For the other modes, what sort of examination would Deignan design for the operational test?

I think that is enough for today. If Deignan thinks that operational testing is of value, then I whole heartedly invite him to make the proposal to the FCC, otherwise he is only arguing for arguements sake.

The true
> reason for Cummings' claim is that any operational testing implementation
> would go against his "give away the licenses" beliefs.

I don't have those beliefs, so how could they run counter to them? But then again, Deignan also believes that Gary Coffman has said the same ilk. I shall let others decide on their own as to whether Deignan is capable of determining of what I do or do not believe.

> Cummings
> attempts to further justify this with a "chicken before the egg"
> argument, claiming nobody would be able to pass a test because they
> couldn't get experience to pass the test.

No, Deignan is incorrect, I make the case that it is egg, then the chicken, not the other way around. The only way that the individual can get the experience and practise the requisite skills is under supervision of a licensed amateur, unless we agree that the individual should be allowed on the air without any licence at all, an oxymoronic situation to say the least; allowing someone to get practical experience on the air without a licence. In any case, that can be problematic for those who are unable to find an elmer due to whatever reason, i.e. the local amateurs are a bunch of lazy louts, there are none locally. As a result, this individual who had not the opportunity to have the operational experience beforehand is at a severe handicap in passing an operational examination through no fault of his/her own. In as much I think it is a good idea to coach an individual along, but to test for it when it is of little value? What problem is Deignan hoping to solve with the introduction of operational testing?

> Of course, Cummings naturally
> fails to acknowledge that popular proposals in mode-based testing calls
> for an "entry level" license with a wide-range of operating privleges
> with limited bandwidth and limited power, to allow people to get
> familiar with the modes they intend to operate.
>

Popular? That's a stretch. The only reason why they are popular is that the pro-code testing crowd has realized the inutility of Morse code testing for amateur certification. As a result, in the hopes of retaining Morse code testing, they believe that all-mode testing is now required. What Deignan fails to discuss is the efficacy of any-mode testing in amateur radio. Again, if he thinks it is so valuable, then let him work on it and propose it to the FCC; otherwise, he is full of his own rhetoric.

> MD
> --
> -- Ted Kennedy has killed more people with his car than I have
> -- with my guns.
> --
> -- If you don't like my opinions, that's just too damn bad.

73 and live better digitally

Jim, VE3XJ

From -7113198773381310279
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Roger J. Buffington, W6VZV" <rogerjb@ibm.net>
Subject: Re: CW should die, children, please...
Date: 1997/04/04
Message-ID: <3344E4A3.4B94@ibm.net>#1/1
X-Deja-AN: 230670429
References: <33236044.339E@kerrlake.com> <33261465.3E4@ameritech.net>
<01bc2ef9$7c74e020$d2c1e1ce@cstevens.usr.com> <332AF3DB.371C@rollanet.org>
<01bc34c6$3b3db500$12f431cf@william-lee> <3335a202.25772406@news.sprynet.com>
<01bc37bd$06503e40$97c1e1ce@carl.ais.net> <5hc4ig$lno@rosebud.sdsc.edu>
<333C5120.3EB2@ameritech.net> <01bc3bdb$71fcc9c0$81f431cf@william-lee>
<E82oy9.B6D@serval.net.wsu.edu>
Reply-To: rogerjb@ibm.net
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Angela Simons wrote:
>
> That IS the
> reason that the code should NOT die. I have heard lots of people >say that the
> code is no longer a *critical* part of amateur radio OPERATION, >and hence
> it should no longer be required as a test element. The operation >part may be
> correct, but a critical part of LICENSING it must continue to be.

Your comments on the subject of retaining the Morse Code requirement
remind me of ancient Witch Doctors, who believed that chanting the same
thing over and over again, without reason or logic, made the saying
true. Why does it need to be a critical part of licensing? What good
does that do?

>without the code, there is simply no challenge to
> obtaining a ham ticket. None whatsoever.

Golly, I guess you are such a brainiac that you could pass a theory and
regulations test with zero effort. None whatsoever. Pretty cool. I
couldn't do that. I had to study.

>I'm sure that even the most hard-
> core CW-test-haters would agree: If everybody could get an Extra >ticket on
> their first test date, the airwaves would be teaming with newbies

Well, thank God. At least we don't have to worry about that. The HF

bands very definitely are not full of newbies. There are very few new
hams. Somehow you seem to think that this is a good thing.

Incredible.

>I'm 21 years old now (as of January), and head up Washington State
> University's "Rho Epsilon Amateur Radio Fraternity."

I wondered how it was you knew everything. Now I know. :)

>My point after all this: I think CW is great, and I enjoy using it
> on-the-air, too. There are many who don't enjoy CW, however, and >this is OK.
> I don't believe, however, that the so-called No-Code movement had >considered
> the impact that removing the code testing would have on incentive >licensing.
> It would be devastating.

How do you know? For that matter, what is wrong with killing much of
incentive licensing? I was a ham before incentive licensing existed,
and the hobby was more active and vital by a factor of ten than it is
now. It was teaming with new hams, of all ages, and was truly a
pleasure. Nowadays our hobby is largely an old man's hobby.
How many times do you hear "age hr is 79, been retired for 22 yrs."

> In my own humble opinion, many of those who call
> themselves "No-Code" activists are simply along for the ride -- >selfishly
> awaiting the day when they can rush to the local W5YI session, >take 3 theory
> elements, and walk out an Extra. You can all claim otherwise

Well thank you, I think I will claim otherwise, seeing as how I am
already an Extra, as are many or most of those of us who are agitating
in favor of eliminating Morse Code testing.

>but that's
> what I'll believe until I see a valid attempt to replace the brace that CW
> has built for incentinve licensing -- or does anybody care what happens to
> our fine hobby?
>
> I do.

I do too. And I've been a member of our hobby for 30 years, and watched
it go downhill, largely due to incentive licensing. Most of us who
remember the way the hobby was before incentive licensing recognize that
incentive licensing was a disaster to our hobby.
It has never been the same since.

--
Roger J. Buffington
W6VZV

USC Law, Class of '97

"I want to die peacefully, in my sleep, like my Grandfather.

Not screaming, and in terror, like his passengers..."

Warping with OS/2 Warp 4.0 and Netscape for OS/2

From 7227497788474965595
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: angela@unicorn.it.wsu.edu (Angela Simons)
Subject: Re: CW should die, children, please...
Date: 1997/04/04
Message-ID: <E84rty.49M@serval.net.wsu.edu>#1/1
X-Deja-AN: 230746239
X-Nntp-Posting-Host: unicorn.it.wsu.edu
Sender: news@serval.net.wsu.edu (News)
References: <33236044.339E@kerrlake.com> <333C5120.3EB2@ameritech.net>
<5hhore$52e@anomaly.ideamation.com> <5hrmmf$e91@pixar.com>
<5hsesu$2s2@anomaly.ideamation.com> <334291C2.3019@clark.dgim.doc.ca>
<3342C07C.52AA@lni.net>
Followup-To: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
Organization: Washington State University
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

: Learning CW is a "large barrier"? Please!
: The truth is that people don't want to learn CW because it takes a
: little time and effort and they don't want to have to do it. I know that
<snip>
: "technically unqualified" element they are trying to keep out. CW takes
: a *little* effort and time to learn and I think people in this "instant
: gratification" period we live in want to talk on the radio NOW.
: I think learning CW shows a minimum level of committment and
: perseverance that are good qualities for people in the hobby to have.
: I am not against "no-code"licensing nor do I look down at no-code hams,
: I just think I understand why learning morse code has been a requirement
: and I don't think it was a bad idea.

: Greg WG8N

Bravo!!!!! At least there's somebody else in here who looks at the big picture. The reason for CW testing IS NOT SIMPLY BECAUSE THE FCC OR ANYBODY ELSE THINKS CW IS COOL. IT IS BECAUSE CW DEMONSTRATES A LEVEL OF COMMITMENT TO ONE'S HOBBY THAT THE WRITTEN ELEMENTS CAN NOT! Why it this so difficult to understand?!?!?!? CW IS NOT A BIG DEAL!!!! If all you do is sit around all day whining about hating CW, you are, in my mind, not worthy of a callsign. If somebody can find a way to similarly test one's effort and commitment to their licensing goals, JUST SAY IT! It doesn't take two brain cells to figure out that you can't just throw CW testing away without REPLACING IT WITH SOMETHING ELSE. When I joined the hobby in '93, I didn't like the idea of CW, but I soon learned to respect it. When I committed to upgrading my Tech No-Code license, I committed myself to learning CW. It is a well-establish tradition (and no, tradition does not have anything to do with the future), and has great roots in our hobby. If all you do is worry about, then sure... it'll be hell. But once you pass it by, you'll see that the effort was worth it. This series of stages in developing your license is healthy.

BTW: I've never met anybody who couldn't learn 5 WPM in a week!

73's,
Aaron -Ki7QM (email reply to: jah@wsu.edu)

From -205429014762440344
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Thomas Foster <tlfoster@ix.netcom.com>
Subject: Re: CW should die, children, please...
Date: 1997/04/04
Message-ID: <3345E63D.56CC@ix.netcom.com>#1/1
X-Deja-AN: 230811543
References: <33236044.339E@kerrlake.com> <333C5120.3EB2@ameritech.net> <5hhore$52e@anomaly.ideamation.com> <5hrmmf$e91@pixar.com> <5hsesu$2s2@anomaly.ideamation.com> <334291C2.3019@clark.dgim.doc.ca> <3342C07C.52AA@lni.net> <E84rty.49M@serval.net.wsu.edu>
Organization: Netcom
X-NETCOM-Date: Fri Apr 04 6:43:43 PM PST 1997
Reply-To: tlfoster@ix.netcom.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Angela Simons wrote:
>
> : Learning CW is a "large barrier"? Please!
> : The truth is that people don't want to learn CW because it takes a
> : little time and effort and they don't want to have to do it. I know that
> <snip>
> : "technically unqualified" element they are trying to keep out. CW takes
> : a *little* effort and time to learn and I think people in this "instant
> : gratification" period we live in want to talk on the radio NOW.
> : I think learning CW shows a minimum level of committment and
> : perseverance that are good qualities for people in the hobby to have.
> : I am not against "no-code"licensing nor do I look down at no-code hams,

> : I just think I understand why learning morse code has been a requirement
> : and I don't think it was a bad idea.
>
> : Greg WG8N
>
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> picture. The reason for CW testing IS NOT SIMPLY BECAUSE THE FCC OR
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> hobby in '93, I didn't like the idea of CW, but I soon learned to respect
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> hobby. If all you do is worry about, then sure... it'll be hell. But
> once you pass it by, you'll see that the effort was worth it. This series
> of stages in developing your license is healthy.
>
> BTW: I've never met anybody who couldn't learn 5 WPM in a week!
>
> 73's,
> Aaron -Ki7QM (email reply to: jah@wsu.edu)

My sentiments exactly, Aaron, although I do question the "5 WPM in a
week" part. I'm not sure how long it took me to learn 5 WPM, but I
believe it was more like two-three weeks.

Best regards,
Lindsay
WA4ISZ

From -3703208661435274865
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Keith Henderson <kt4vq@bellsouth.net>
Subject: Re: CW should die, children, please...
Date: 1997/04/04
Message-ID: <3345D0F9.5205@bellsouth.net>#1/1
X-Deja-AN: 230826192
References: <33236044.339E@kerrlake.com> <5hhore$52e@anomaly.ideamation.com>

<5hrmmf$e91@pixar.com> <5hsj4d$rba@news.Hawaii.Edu>
To: Jeffrey Herman <jeffreyh@Hawaii.Edu>
Reply-To: kt4vq@bellsouth.net
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Jeffrey Herman wrote:
>
> In article <5hrmmf$e91@pixar.com>, Mark VandeWettering <markv@pixar.com> wrote:
>
> >There is a very simple reason for eliminating the code requirement:
> >
> >   Testing is not required for any other operational mode.
>
> Easy to fix. Require skill tests for all the popular modes.
>
> Jeff KH2PZ

I took my code and passed. Ham radio is a hobby. You show your
commitment to the hobby by passing the code. Besides, I set hour after
hour studying to pass my code and I think everyone else should as
well. If you do away with code then bands will be filled with trash
like CB.

I said that!

From -9164693931394562539
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Ed Legenza AA6NI <atued@best.com>
Subject: Re: CW should die, children, please...
Date: 1997/04/04
Message-ID: <3345DA57.7F26@best.com>#1/1
X-Deja-AN: 230831427
References: <33236044.339E@kerrlake.com> <5hhore$52e@anomaly.ideamation.com>
<5hrmmf$e91@pixar.com> <5hsj4d$rba@news.Hawaii.Edu> <3345D0F9.5205@bellsouth.net>
Organization: ATU 1574
Reply-To: atued@best.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Keith Henderson wrote:
>
> Jeffrey Herman wrote:
> >

> > In article <5hrmmf$e91@pixar.com>, Mark VandeWettering <markv@pixar.com> wrote:
> >
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> > Jeff KH2PZ
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> hour studying to pass my code and I think everyone else should as
> well. If you do away with code then bands will be filled with trash
> like CB.
>
> I said that!

And yaou said it 100 per cent right too!!!

ED AA6NI

From 6301957549057991806
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,7e3468391a6be7cf,start
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,7e3468391a6be7cf,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1164ef,7e3468391a6be7cf,start
X-Google-Attributes: gid1164ef,public
X-Google-Thread: fddbf,7e3468391a6be7cf,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 143435,7e3468391a6be7cf,start
X-Google-Attributes: gid143435,public
X-Google-Thread: f7810,7e3468391a6be7cf,start
X-Google-Attributes: gidf7810,public
X-Google-Thread: 114a57,7e3468391a6be7cf,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: f76e2,7e3468391a6be7cf,start
X-Google-Attributes: gidf76e2,public
From: gtk@mis.haselow.com (Greg Kopp)
Subject: Hamefest - NE Ohio, June 15th
Date: 1997/04/04
Message-ID: <gtk-0404971432000001@gkopp.haselow.com>#1/1
X-Deja-AN: 230860936
Organization: Haselow & Associates
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,alt.ham-radio.amtor,alt.ham-radio.binaries,alt.ham-radio.dxing,alt.ham-radio.fm,alt.ham-radio.hf,alt.ham-radio.mods,alt.ham-radio.morse,alt.ham-radio.nocode,alt.ham-radio.packet,alt.ham-radio.rtty,alt.ham-radio.slowscan,alt.ham-

radio.spread,alt.ham-radio.ssb,alt.ham-radio.vhf-uhf

Please come to our 6th Annual Father's Day Hamefest, Computer Show, and Fleamarket.

Date: June 15th, 1997

Time: 8AM to 1PM (Vendor setup - 6AM)

Where: Macedonia, Ohio (Nordonia High School)

Tickets: $3 advanced, $4 at the door

Prizes: To Be Announced (Last year - Dual bander, 2m HT, Sound Card, Scanner)

Vendor Spaces: $4 outside, $11 inside (includes a table!)

For more information:

visit http://www.cars.org/hamfest

or call Rich James, N8FIL at 1-800-404-2282

From -3442464292851765121
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: tbryant@cannet.com (T.L.Bryant)
Subject: Re: CW should die, children, please...
Date: 1997/04/04
Message-ID: <5i3thp$ngg@nerd.apk.net>#1/1
X-Deja-AN: 230887201
References: <33236044.339E@kerrlake.com> <333C5120.3EB2@ameritech.net>
<5hhore$52e@anomaly.ideamation.com> <5hrmmf$e91@pixar.com>
<5hsesu$2s2@anomaly.ideamation.com> <334291C2.3019@clark.dgim.doc.ca>
<3342C07C.52AA@lni.net> <5hvco7$jeo@jupiter.planet.net> <5i1ds4$bo8@nerd.apk.net>
<5i2mv8$5oq@jupiter.planet.net>
Organization: cannet.com
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

>Correct. Private actions are on no way the equivalent
>of government rules. You don't like the requirements
>at College A, then you have hundreds of other
>choices. You don't agree with license requirements,
>you have no alternatives.
>

```
>That's why license requiremnts MUST always be
>relavent and serve a compelling need.

If one doesn't agree with the license requirements, then one *does* have an
alternative. It's called CB radio.

Tom - N8ECW




From -1046196020538400338
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "D.Arnold" <D.Arnold@primocomputers.com>
Subject: Re: CW should die, children, please...
Date: 1997/04/04
Message-ID: <3345B9C4.5BDC@primocomputers.com>#1/1
X-Deja-AN: 230890011
References: <33236044.339E@kerrlake.com> <5hhore$52e@anomaly.ideamation.com>
<5hrmmf$e91@pixar.com> <5hsj4d$rba@news.Hawaii.Edu>
Organization: Datasync Internet
Reply-To: D.Arnold@primocomputers.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio


Jeffrey Herman wrote:
>
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> >There is a very simple reason for eliminating the code requirement:
> >
> >    Testing is not required for any other operational mode.
>
> Easy to fix. Require skill tests for all the popular modes.
>
> Jeff KH2PZ

I could LIVE with this


DON KB5FHX



From -6536271829935357988
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
```

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: caseyx@ssd.intel.com (Casey Bahr)
Subject: Re: CW should die, children, please...
Date: 1997/04/04
Message-ID: <5i3cmv$j3q@news.co.intel.com>#1/1
X-Deja-AN: 231319399
References: <01bc3bdb$71fcc9c0$81f431cf@william-lee>
<E82oy9.B6D@serval.net.wsu.edu> <3344E4A3.4B94@ibm.net>
Organization: Supercomputer Systems Division (SSD), Intel
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <3344E4A3.4B94@ibm.net> rogerjb@ibm.net writes:
>Angela Simons wrote:
>>

[snip for brevity]

>>without the code, there is simply no challenge to
>> obtaining a ham ticket. None whatsoever.
>
>Golly, I guess you are such a brainiac that you could pass a theory and
>regulations test with zero effort. None whatsoever. Pretty cool. I
>couldn't do that. I had to study.

Study what? The question pool? Anyone with a C average in school can pass
any of the written elements with less than a day's study if they have
the pool questions/answers, which are widely distributed on the net and
in books. I'm not advocating that people do it, just that the poster is
correct in saying there is no challenge in that.

Casey KK7FX

[snip for brevity]

>--
>Roger J. Buffington
>W6VZV
>
>USC Law, Class of '97
>
>---
>"I want to die peacefully, in my sleep, like my Grandfather.
>Not screaming, and in terror, like his passengers..."
>---
>
>Warping with OS/2 Warp 4.0 and Netscape for OS/2

From 2283363892970227272
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: kc5egg@ix.netcom.com(Gerald Schmitt)
Subject: Re: CW should die, children, please...
Date: 1997/04/05
Message-ID: <5i4820$krb@dfw-ixnews12.ix.netcom.com>#1/1
X-Deja-AN: 230790491
References: <33236044.339E@kerrlake.com> <333C5120.3EB2@ameritech.net>
<5hhore$52e@anomaly.ideamation.com> <5hrmmf$e91@pixar.com>
<5hsesu$2s2@anomaly.ideamation.com> <334291C2.3019@clark.dgim.doc.ca>
<3342C07C.52AA@lni.net> <E84rty.49M@serval.net.wsu.edu>
Organization: Netcom
X-NETCOM-Date: Fri Apr 04 6:57:36 PM CST 1997
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In <E84rty.49M@serval.net.wsu.edu> angela@unicorn.it.wsu.edu (Angela
Simons) writes:
>
>
>BTW: I've never met anybody who couldn't learn 5 WPM in a week!
>
>73's,
>Aaron -Ki7QM (email reply to: jah@wsu.edu)

Hello Aaron or Angela whoever is actually posting this.

My name is Jerry KK5YY pleased to meet you. BTW now you can no longer make the statement above truthfully. There are some people for whom code only comes with great effort and struggle. Some of us in this group get really tired of hearing how easy it is to learn code.

Jerry

From 5287287465200991687
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public

From: gary@ke4zv.atl.ga.us (Gary Coffman)
Subject: Re: CW should die, children, please...
Date: 1997/04/05
Message-ID: <1997Apr5.022959.2838@ke4zv.atl.ga.us>#1/1
X-Deja-AN: 230810685
References: <33236044.339E@kerrlake.com> <5hrmmf$e91@pixar.com>
<5hsj4d$rba@news.Hawaii.Edu> <334408A3.6E92@clark.dgim.doc.ca>
<5i19ef$8bo@anomaly.ideamation.com>
Organization: Destructive Testing Systems
Reply-To: gary@ke4zv.atl.ga.us (Gary Coffman)
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <5i19ef$8bo@anomaly.ideamation.com> kd1hz@anomaly.ideamation.com
(Michael P. Deignan) writes:
>In article <334408A3.6E92@clark.dgim.doc.ca>,
>   Jim Cummings <jcumming@clark.dgim.doc.ca> wrote:
>>However,
>>since the government's legitimate concern is the mititigation of interference
>>is among the users of the radio frequency spectrum,
>
>Cummings keeps quoting this "mitigation" claim, but the real question is
>"Who says this is true"? I keep seeing people post this fallacy, but I've
>never seen any evidence to support it.

Deigman might try reading the Communications Act of 1934, which sets forth
the purposes and objectives of govrnment regulation of spectrum access.

>In typical "lowest common denominator" fashion of the welfare-state
>mentality, Cummings then attempts to erect a strawman claiming that

It is interesting to note that it is only those appealing to the government
to maintain a life support subsidy for Morse (welfare statism at its lowest)
who raise the spectre of "welfare state mentality". Perhaps that comes from
looking in the mirror. A truly viable operating method needs no such subsidy.
But the welfare statists are obviously fearful that Morse cannot withstand
free market competition from other methodologies without coercive government
measures.

Gary

```
--
Gary Coffman KE4ZV           |    You make it,     | Due to provider problems
Destructive Testing Systems |    we break it.     | with previous uucp addresses
534 Shannon Way             |    Guaranteed!      | Email to ke4zv@radio.org
Lawrenceville, GA 30244     |                     |
```

From -4940859671593797711
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Thomas Foster <tlfoster@ix.netcom.com>
Subject: Re: CW should die, children, please...
Date: 1997/04/05
Message-ID: <33461CD4.3E2F@ix.netcom.com>#1/1
X-Deja-AN: 230851415
References: <33236044.339E@kerrlake.com> <333C5120.3EB2@ameritech.net>
<5hhore$52e@anomaly.ideamation.com> <5hrmmf$e91@pixar.com>
<5hsesu$2s2@anomaly.ideamation.com> <334291C2.3019@clark.dgim.doc.ca>
<3342C07C.52AA@lni.net> <5hvco7$jeo@jupiter.planet.net>
Organization: Netcom
X-NETCOM-Date: Sat Apr 05 12:36:41 AM CST 1997
Reply-To: tlfoster@ix.netcom.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Bill Sohl wrote in response to Greg Emerson:
>
> >I am not against "no-code"licensing nor do I look down at no-code hams,
> >I just think I understand why learning morse code has been a requirement
> >and I don't think it was a bad idea.
>
> You don't think it was a bad idea, yet you admit you don't
> understand why it is a requirement. Does that make any sense at all?
>
> Bill Sohl K2UNK
> ARRL Local Gov't Liaison, Mt. Olive Township, NJ

Bill, I think you misread Greg's statement. He states above that he DOES understand why learning morse code has been a requirement.

I, too, understand: It's relevent, it's effective, and it's a way to keep the HF frequencies from becoming severely congested.

For any given license, the requirements for HF access are the same for everyone. Admittedly, some individuals will expend more time and energy than others to master the code, just as some folks will spend more time on the theory than others. However, nobody is being denied access because of some egregious bias.

Best regards,
Lindsay
WA4ISZ

From -6642398092840612325
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: billsohl@planet.net (Bill Sohl)
Subject: Re: CW should die, children, please...
Date: 1997/04/05
Message-ID: <5i5oki$frs@jupiter.planet.net>#1/1
X-Deja-AN: 230919044
References: <33236044.339E@kerrlake.com> <5hhore$52e@anomaly.ideamation.com>
<5hrmmf$e91@pixar.com> <5hsj4d$rba@news.Hawaii.Edu> <3345D0F9.5205@bellsouth.net>
Organization: BL Enterprises
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

Keith Henderson <kt4vq@bellsouth.net> wrote:
>I took my code and passed. Ham radio is a hobby. You show your
>commitment to the hobby by passing the code. Besides, I set hour after
>hour studying to pass my code and I think everyone else should as
>well. If you do away with code then bands will be filled with trash
>like CB.

Keith:
You echo the same empty logic that has gone on before.
Read Part 97 and come back and tell us where Ham Radio
is defined by the FCC as a hobby.

You then end with the same tripe that others
before you have said (although at least you said it in a
clear statement).. i.e. I did it, now so should everyone
else. Sorry to inform you, but that is not how national or
international license requirments should be established
or maintained. If a requirement has no compelling and
rational reson to exist, then it should go...irrespetive
of how many had to pass that requirement before.

Lastly, you claim that without code the bands will
be like CB, yet with over 100,000 co-code hams
we have nothing CB like on the VHF bands at all.
Neither you nor anyone else can predict what the
impact might be if code is dropped. Fear of the unknown
is understandable but the comparison to CB is so
far off the mark it bears comarison.

CB - No license, buy a $40 radio and go on the air.

HF Hams (assuming there was no code test)
License still required. Theory and regs testing at
the general level would still be retained (indeed,
I and others have offered several ways the test
pool can and shoould be improved).
HF radios are not cheap...even older used ones.

rec.radio.amateur.misc deleted from distribution
as it is an inappropriate newgroup for this topic.

Bill Sohl K2UNK
ARRL Local Gov't Liaison, Mt. Olive Township, NJ

From 2229348493548618136
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Thomas Foster <tlfoster@ix.netcom.com>
Subject: Re: CW should die, children, please...
Date: 1997/04/05
Message-ID: <3346CACB.4A48@ix.netcom.com>#1/1
X-Deja-AN: 230957904
References: <33236044.339E@kerrlake.com> <5hhore$52e@anomaly.ideamation.com>
<5hrmmf$e91@pixar.com> <5hsj4d$rba@news.Hawaii.Edu> <3345D0F9.5205@bellsouth.net>
<5i5oki$frs@jupiter.planet.net>
Organization: Netcom
X-NETCOM-Date: Sat Apr 05 12:58:54 PM CST 1997
Reply-To: tlfoster@ix.netcom.com
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

Bill Sohl wrote:
>
> Keith:
> You echo the same empty logic that has gone on before.
> Read Part 97 and come back and tell us where Ham Radio
> is defined by the FCC as a hobby.

Bill,

I don't know about you, but I got into Ham radio as a hobby. I was interested in electronics, but I was especially fascinated by the ability to communicate world-wide. Ham radio is, and always will be, a form of entertainment for me -- a hobby. Even though the FCC characterizes it as a service, I suspect that for most hams, it's a hobby, and that's the main reason they got a license.
>
> Bill Sohl K2UNK
> ARRL Local Gov't Liaison, Mt. Olive Township, NJ

Best regards,
Lindsay
WA4ISZ

From -4988185292797649968
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: gary@ke4zv.atl.ga.us (Gary Coffman)
Subject: Re: CW should die, children, please...
Date: 1997/04/05
Message-ID: <1997Apr5.205925.8765@ke4zv.atl.ga.us>#1/1
X-Deja-AN: 230981594
References: <33236044.339E@kerrlake.com> <5hhore$52e@anomaly.ideamation.com>
<5hrmmf$e91@pixar.com> <5hsj4d$rba@news.Hawaii.Edu>
Organization: Destructive Testing Systems
Reply-To: gary@ke4zv.atl.ga.us (Gary Coffman)
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <5hsj4d$rba@news.Hawaii.Edu> jeffreyh@Hawaii.Edu (Jeffrey Herman)
writes:
>In article <5hrmmf$e91@pixar.com>, Mark VandeWettering <markv@pixar.com> wrote:
>
>>There is a very simple reason for eliminating the code requirement:
>>
>>   Testing is not required for any other operational mode.
>
>Easy to fix. Require skill tests for all the popular modes.
>
>Jeff KH2PZ

Fine, what's your definition of a "popular" mode? Used by more than 50% of all amateurs? Used by 22% of all amateurs? Used by 2% of all amateurs? And what about the *unpopular* modes? Are you going to let people use modes for which they haven't been tested? And what about the modes currently being invented? Who writes those tests?

And how about the distortions in usage statistics which are purely an artifact of current regulations? Perhaps T1 rate digital would be the most popular mode on the lower end of 40m if it weren't prohibited by regulation, or more realistically, SSB might be the most popular mode on the lower end of 40m if it weren't prohibited there.

Where do you draw the line? And how do you even determine usage statistics uncorrupted by regulatory artifact?

Gary
--
```
Gary Coffman KE4ZV          |    You make it,     | Due to provider problems
Destructive Testing Systems |    we break it.     | with previous uucp addresses
534 Shannon Way             |    Guaranteed!      | Email to ke4zv@radio.org
```

```
Lawrenceville, GA 30244     |                      |



From -2819934857650867884
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Demolition Man <nospam.demoman@rollanet.org>
Subject: Re: CW should die, children, please...
Date: 1997/04/05
Message-ID: <3346BF71.64A4@rollanet.org>#1/1
X-Deja-AN: 230989873
References: <33236044.339E@kerrlake.com> <333C5120.3EB2@ameritech.net>
<5hhore$52e@anomaly.ideamation.com> <5hrmmf$e91@pixar.com>
<5hsesu$2s2@anomaly.ideamation.com> <334291C2.3019@clark.dgim.doc.ca>
<3342C07C.52AA@lni.net> <E84rty.49M@serval.net.wsu.edu>
<3345E63D.56CC@ix.netcom.com>
Organization: FLASH Security & Communications
Reply-To: http://www.rollanet.org/~demoman/
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio


Thomas Foster wrote:
>
> Angela Simons wrote:
> >
> > : Learning CW is a "large barrier"? Please!
> > : The truth is that people don't want to learn CW because it takes a
> > : little time and effort and they don't want to have to do it. I know that
> > <snip>
> > : "technically unqualified" element they are trying to keep out. CW takes
> > : a *little* effort and time to learn and I think people in this "instant
> > : gratification" period we live in want to talk on the radio NOW.
> > : I think learning CW shows a minimum level of committment and
> > : perseverance that are good qualities for people in the hobby to have.
> > : I am not against "no-code"licensing nor do I look down at no-code hams,
> > : I just think I understand why learning morse code has been a requirement
> > : and I don't think it was a bad idea.
> >
> > : Greg  WG8N
> >
> > Bravo!!!!!  At least there's somebody else in here who looks at the big
> > picture.  The reason for CW testing IS NOT SIMPLY BECAUSE THE FCC OR
> > ANYBODY ELSE THINKS CW IS COOL.  IT IS BECAUSE CW DEMONSTRATES A LEVEL
> > OF COMMITMENT TO ONE'S HOBBY THAT THE WRITTEN ELEMENTS CAN NOT!  Why it
> > this so difficult to understand?!?!?!?  CW IS NOT A BIG DEAL!!!!  If all
> > you do is sit around all day whining about hating CW, you are, in my mind,
> > not worthy of a callsign.  If somebody can find a way to similarly test
```

> > one's effort and commitment to their licensing goals, JUST SAY IT! It
> > doesn't take two brain cells to figure out that you can't just throw CW
> > testing away without REPLACING IT WITH SOMETHING ELSE. When I joined the
> > hobby in '93, I didn't like the idea of CW, but I soon learned to respect
> > it. When I committed to upgrading my Tech No-Code license, I committed
> > myself to learning CW. It is a well-establish tradition (and no, tradition
> > does not have anything to do with the future), and has great roots in our
> > hobby. If all you do is worry about, then sure... it'll be hell. But
> > once you pass it by, you'll see that the effort was worth it. This series
> > of stages in developing your license is healthy.
> >
> > BTW: I've never met anybody who couldn't learn 5 WPM in a week!
> >
> > 73's,
> > Aaron -Ki7QM (email reply to: jah@wsu.edu)
>
> My sentiments exactly, Aaron, although I do question the "5 WPM in a
> week" part. I'm not sure how long it took me to learn 5 WPM, but I
> believe it was more like two-three weeks.
>
> Best regards,
> Lindsay
> WA4ISZ

Goes for me too! 13wpm in 10 days!! only used radio shack code tapes
1hr per day
--
A.C.Curtis
KB0WLF

mailto:demoman@rollanet.org
http://www.rollanet.org/~demoman/

From -2358069947994983773
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: gary@ke4zv.atl.ga.us (Gary Coffman)
Subject: Re: CW should die, children, please...
Date: 1997/04/05
Message-ID: <1997Apr5.215319.9067@ke4zv.atl.ga.us>#1/1
X-Deja-AN: 230990742
References: <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5hc4ig$lno@rosebud.sdsc.edu>
Organization: Destructive Testing Systems
Reply-To: gary@ke4zv.atl.ga.us (Gary Coffman)

Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <5hc4ig$lno@rosebud.sdsc.edu> Kurt Bilinski <Kurt.Bilinski@gat.com> writes:
>Children please,
>
>One side whines that CW is slow and inefficient. Going along with that
>mentality, people who use CW talk (slowly) about nothing except, what,
>how big their antenna is, what their power amp rating is, and what far
>off station they just talked to.

True. :-)

>Now the other side...
>
>With the latest digital techniques, what are we up to, about 20kbaud?

The current amateur SOTA is 100 Mb. The amateur SOTA 5 years ago was 1.2 Mb. The amateur SOTA of 10 years ago was 56 kb. The amateur SOTA of 20 years ago was 1200 baud. Unfortunately too many amateurs remain stuck at the SOTA of 20 years ago in packet. But at least that's better than being stuck at less than 20 baud like the Morse users have been for nearly a century. Morse users have made no progress since the adoption of continous waves.

Note that we're stuck at 300 baud on HF, but that's because of regulations, not because of engineering feasibility.

>And what do you guys discuss that necessitates this high speed
>throughput? Nothing. Sorry, not quite true, there's how big the antenna
>is, what the power amp rating is, and what far off station was just
>contacted. Only difference is you run out of things to talk about much
>faster...

Actually, we exchange video (still and motion), text and binary files, do digital voice, send schematics and board layouts, browse the web, etc. It is amazing how much more genuinely useful radio becomes with a little bit more throughput.

>As soon as the satallite phone system is in place, you digital guys will
>sell your ham equipment, right? I mean, you want the very latest in
>maximum data throughput. No one wants to settle for that "old
>technology", right?

No, we won't sell our ham equipment. We have no control over commerical provider networks. We can't experiment with hardware or protocols on commercial provider networks. We certainly want fast, but we want it on *our* terms, not on those of some remote commercial provider.

>Give it a rest, it's a hobby. Each of you imply you're somehow better
>then the other. The joke is, people outside this hobby view each of you
>as the _same_; geeks!

It's more than a hobby. It is a chartered radio service with definite specified purposes and goals. By experimenting with modern digital systems we support those charter goals. We're self-training in contemporary communications technology, developing a pool of trained technicians and electronic communications experts to serve an augmentation role for the military and civil government in times of national emergency. We are advancing, to some extent, the SOTA in ad hoc networks and low cost digital hardware (amateur developed digital systems were used in Desert Storm). We support the logistical needs of emergency service agencies. And we even contribute a tiny bit, due to regulatory limits, to international goodwill by handling message traffic for foreign operators.

And of course we have fun doing much of this, and have a sense of satisfaction for doing other parts of this. We receive no other pay. We could do much more, of course, but we face the same "I've got mine" mentality by entrenched interests that others attempting to use modern techniques face (and have faced down through the years). But just as SSB supplanted AM, we expect to eventually dominate text transmission in amateur radio (we already move more text in an hour than the world's Morse operators do in a week), and ultimately video and voice transmission as well, if amateur radio isn't killed first by the Luddites.

Gary

```
--
Gary Coffman KE4ZV          |    You make it,     | Due to provider problems
Destructive Testing Systems |    we break it.     | with previous uucp addresses
534 Shannon Way             |    Guaranteed!      | Email to ke4zv@radio.org
Lawrenceville, GA 30244     |                     |
```

From 5998070140474309037
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: billsohl@planet.net (Bill Sohl)
Subject: Re: CW should die, children, please...
Date: 1997/04/06
Message-ID: <5i6q0o$j1m@jupiter.planet.net>#1/1
X-Deja-AN: 231003853
References: <33236044.339E@kerrlake.com> <333C5120.3EB2@ameritech.net>
<5hhore$52e@anomaly.ideamation.com> <5hrmmf$e91@pixar.com>
<5hsesu$2s2@anomaly.ideamation.com> <334291C2.3019@clark.dgim.doc.ca>
<3342C07C.52AA@lni.net> <5hvco7$jeo@jupiter.planet.net> <5i1ds4$bo8@nerd.apk.net>
<5i2mv8$5oq@jupiter.planet.net> <5i3thp$ngg@nerd.apk.net>
Organization: BL Enterprises
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

tbryant@cannet.com (T.L.Bryant) wrote:

>>Correct. Private actions are on no way the equivalent
>>of government rules. You don't like the requirements
>>at College A, then you have hundreds of other
>>choices. You don't agree with license requirements,
>>you have no alternatives.
>>
>>That's why license requiremnts MUST always be
>>relavent and serve a compelling need.

>If one doesn't agree with the license requirements, then one *does* have an
>alternative. It's called CB radio.

Fine for you if you want. I prefer to take a proactive role
in attempting to change things.

Bill Sohl K2UNK
ARRL Local Gov't Liaison, Mt. Olive Township, NJ
Visit the No-Code WEB site: http://www.nocode.org

From 4431027760798960204
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: billsohl@planet.net (Bill Sohl)
Subject: Re: CW should die, children, please...
Date: 1997/04/06
Message-ID: <5i6qj7$j5l@jupiter.planet.net>#1/1
X-Deja-AN: 231004678
References: <33236044.339E@kerrlake.com> <333C5120.3EB2@ameritech.net>
<5hhore$52e@anomaly.ideamation.com> <5hrmmf$e91@pixar.com>
<5hsesu$2s2@anomaly.ideamation.com> <334291C2.3019@clark.dgim.doc.ca>
<3342C07C.52AA@lni.net> <5hvco7$jeo@jupiter.planet.net>
<33461CD4.3E2F@ix.netcom.com>
Organization: BL Enterprises
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

Thomas Foster <tlfoster@ix.netcom.com> wrote:

>Bill Sohl wrote in response to Greg Emerson:
>>
>> >I am not against "no-code"licensing nor do I look down at no-code hams,
>> >I just think I understand why learning morse code has been a requirement
>> >and I don't think it was a bad idea.

>>
>> You don't think it was a bad idea, yet you admit you don't
>> understand why it is a requirement. Does that make any sense at all?
>>
>> Bill Sohl K2UNK
>> ARRL Local Gov't Liaison, Mt. Olive Township, NJ

>Bill, I think you misread Greg's statement. He states above that he DOES
>understand why learning morse code has been a requirement.

Oops, read that too quickly.

>I, too, understand: It's relevent,

Why is it any more relavent than any other mode?
Test for it on the same basis as any other mode (i.e. merge
the scoring with an overall test score rather than as a
separate pass/fail element and you can make a reasonable
comparison then).

> it's effective,

No more so than many other modes. Ditto the comments
above again.

>and it's a way to
>keep the HF frequencies from becoming severely congested.

In other words it is purly an excersize to minimize numbers.
If that is a needed aspect of ham radio then someone should
determine the maximum that should be allowed and stop
issuing new licenses at that point until others expire.

>For any given license, the requirements for HF access are the same for
>everyone. Admittedly, some individuals will expend more time and energy
>than others to master the code, just as some folks will spend more time
>on the theory than others. However, nobody is being denied access
>because of some egregious bias.

The bias is simply because the code has no reason to be
required anymore. No different than eliminating test questions
that pertained to vacuum tubes in the past.
Once again, the only thing a government test should
include is the things that are reuired on a sound and
rational basis.

rec.radio.amateur.misc deleted as inappropriate

Bill Sohl K2UNK
ARRL Local Gov't Liaison, Mt. Olive Township, NJ
Visit the No-Code WEB site: http://www.nocode.org

From -3716371966844283374
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: glenq@NOSPAM.cyberhighway.net (Glen Quarnstrom)
Subject: Re: CW should die, children, please...
Date: 1997/04/06
Message-ID: <337b12c1.27817264@news.cyberhighway.net>#1/1
X-Deja-AN: 231024671
References: <33236044.339E@kerrlake.com> <333C5120.3EB2@ameritech.net>
<5hhore$52e@anomaly.ideamation.com> <5hrmmf$e91@pixar.com>
<5hsesu$2s2@anomaly.ideamation.com> <334291C2.3019@clark.dgim.doc.ca>
<3342C07C.52AA@lni.net> <5hvco7$jeo@jupiter.planet.net>
<33461CD4.3E2F@ix.netcom.com>
Organization: CyberHighway Internet Services
Reply-To: address@sig
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Thomas Foster <tlfoster@ix.netcom.com> wrote:

>I, too, understand: It's relevent, it's effective, and it's a way to
>keep the HF frequencies from becoming severely congested.

Well, no, it's not. Constant repetition of these canards don't make
them any more true, either.

Even if they were true, they'd be pretty weak arguments for much of
anything.

--
glenq@cyberhighway.net
WB7DOW @ KB7CFD.ID.USA.NOAM

From 4979600973710037519
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14b62180c3129683,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115648,14b62180c3129683,start
X-Google-Attributes: gid115648,public
X-Google-Thread: fb2f3,14b62180c3129683,start
X-Google-Attributes: gidfb2f3,public
X-Google-Thread: 1146d3,14b62180c3129683,start

X-Google-Attributes: gid1146d3,public
X-Google-Thread: f4306,14b62180c3129683,start
X-Google-Attributes: gidf4306,public
X-Google-Thread: fe552,14b62180c3129683,start
X-Google-Attributes: gidfe552,public
X-Google-Thread: 114671,14b62180c3129683,start
X-Google-Attributes: gid114671,public
X-Google-Thread: 114a57,14b62180c3129683,start
X-Google-Attributes: gid114a57,public
From: "Giorgio - i05105" <roxanne@grisnet.it>
Subject: CRAZY dx group & Web news !!!
Date: 1997/04/06
Message-ID: <01bc426f$a99441c0$LocalHost@default>#1/1
X-Deja-AN: 231061270
Organization: Giorgio
Newsgroups: alt.ham-radio.hf,alt.ham-radio.packet,alt.radio.uk,aus.radio.amateur.misc,aus.radio.amateur.wicen,es.rec.radio.amateur,fido7.hamradio,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.misc,rec.radio.cb

06/04/1997

Crazy DX group & Web !!

This message is for announcing that, starting from March 26th 1997, the new "Crazy DX Group" Internet site, completely updated, is available.

Besides the very new graphic covering, the site is now completely available in English language, too.

You will find it at the WEB address: http://mline.peoples.it/crazy

More exactly, you will find:

- Detailed informations about the Crazy DX Group (who are the Crazy's, group's rules, membership list, etc...).

- Pages full-dedicated to the IIA award, (last informations about the activities, informations by the IIA committee, updated list of every island valid for the IIA award, IIA Award rules - HF & VHF, etc...).

- Software page, where you'll find: OFFICIAL I.I.A. SOFTWARE by IK0QOB last release 2.1 (freeware) updated at 23/03/97, several databases for Packet-Cluster(tm) (IIA, IOSA, SPIA) available both in italian and english language, etc...).

- Photo & QSL (very large photo-list of IIA activities, Crazy DX Group members QSL, etc...).

- List of many HAM-sites links.

All this, and other, is available at the following WEB address:

http://mline.peoples.it/crazy

Any kind of remarks and suggestions are mostly welcome and appreciated.
Just send them to the following e-mail address:

i05105@amsat.org

73's de Crazy DX Group....the Crazy Islanders !

=============== IN ITALIANO =======================

Crazy DX group & Web !!

Il seguente messaggio per Comunicarvi che dal 26 Marzo 1997 e' disponibile il
nuovo sito Internet aggiornatissimo del Crazy DX Group.

Oltre alla nuovissima veste grafica, il sito e' ora disponibile in
ITALIANO & INGLESE .

Lo potrete trovare all'indirizzo WEB : http://mline.peoples.it/crazy

Sul sito troverete:

- Informazioni dettagliate sul Crazy DX Group (chi siamo, statuto del Crazy DX Group, elenco soci, ecc...).

- Pagine dedicate completamente al diploma IIA, (ultime info sulle attivazioni, comunicazioni dell'IIA Committee, lista aggiornata di tutte le isole valide per l'IIA, regolamento del diploma IIA - HF & VHF, ecc...)

- Sezione software, dove troverete:
  SOFTWARE UFFICIALE I.I.A. by IK0QOB ultima versione 2.1
  aggiornata al 23/03/97, vari database per Packet-Cluster(tm) (IIA, IOSA,

SPIA) disponibili in versione italiana e inglese, ecc...).

- Foto & QSL (vastissima raccolta di foto di attivazioni IIA, QSL dei soci del Crazy DX Group, ecc...).

- Elenco di link a vari siti HAM.

Tutto questo, e altro, potrete trovarlo al seguente indirizzo WEB:

http://www.mline.peoples.it/crazy

Sono graditi commenti, segnalazioni e critiche di ogni tipo, da inviare al seguente e-mail:
i05105@amsat.org

73 de Crazy DX Group...the Crazy Islanders !

****
CRAZY DX GROUP
P.O. BOX 11
04011 APRILIA
- ITALY -

Internet: http://mline.peoples.it/crazy
E-mail: i05105@amsat.org
****

From -7737493259166333195
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Demolition Man <nospam.demoman@rollanet.org>
Subject: Re: CW should die, children, please...
Date: 1997/04/06
Message-ID: <3347FC84.6AB8@rollanet.org>#1/1
X-Deja-AN: 231144280
References: <33236044.339E@kerrlake.com> <5hhore$52e@anomaly.ideamation.com> <5hrmmf$e91@pixar.com> <5hsj4d$rba@news.Hawaii.Edu> <3345D0F9.5205@bellsouth.net> <5i5oki$frs@jupiter.planet.net>
Organization: FLASH Security & Communications
Reply-To: http://www.rollanet.org/~demoman/
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

>
> Keith:
> You echo the same empty logic that has gone on before.
> Read Part 97 and come back and tell us where Ham Radio
> is defined by the FCC as a hobby.

as a supposedly self governing body, WE define ham radio.
>
> You then end with the same tripe that others
> before you have said (although at least you said it in a
> clear statement).. i.e. I did it, now so should everyone
> else. Sorry to inform you, but that is not how national or
> international license requirments should be established
> or maintained. If a requirement has no compelling and
> rational reson to exist, then it should go...irrespetive
> of how many had to pass that requirement before.
>
like registering for the draft eh?

> Lastly, you claim that without code the bands will
> be like CB, yet with over 100,000 co-code hams
> we have nothing CB like on the VHF bands at all.
> Neither you nor anyone else can predict what the
> impact might be if code is dropped. Fear of the unknown
> is understandable but the comparison to CB is so
> far off the mark it bears comarison.

come visit my neck of the woods. the 2m no-coders are exactly like
they are on their CBs minus the language. 10-4 and destinated and
what's your 20 and so on. when asked to adjust their on air dialog
1 in 10 of the CBers will comply. the others will tell you that
propagation on 11m is better than this repeater s**t and never use
their priveleges again. Membership drives for the club always pick
up some CBers as well as new to radio types. the new to radio types
are always more open to the expected ham behavior.
>
> CB - No license, buy a $40 radio and go on the air.
>
never been around a CBer eh? again visit my area or a truck stop with
cb repair done on premises. $250-$350 radios and $300-$600 linears.
50ft towers and $250 beam antennae. half of the CBers shacks rival my
own and i have been pretty fortunate.

> HF Hams (assuming there was no code test)
> License still required. Theory and regs testing at
> the general level would still be retained (indeed,
> I and others have offered several ways the test
> pool can and shoould be improved).
> HF radios are not cheap...even older used ones.
>
in regards to what? 80m AM in my opinion is THE biggest draw for

the CB crowd. these tube type radios are available and cheaper than
what they use now. i do computer repair/building work for the local
electronic and CB repair shop. 3 guys that work there would be hams
right now if not for the code test. they are nice guys to be sure
but have admitted that they would not change their practice on the ham
bands. they have home built amplifiers using 4-1000, 3-3000 and even
3-10000 being driven by Johnsons, Apaches and other old rigs and
transmit
several kilowatts. they curse, play music whatever on 11m. these guys
could TEACH the theory but want to talk like CBers on the longer
traveling
ham bands. many, many CBers that come to get their rigs fixed or
tweaked
express the exact same sentiment. i'd get my ham license except for the
code. they have no interest in short range fm priveleges so why should
they start with a tech license they say. sounds like the no-code tech
is
not doing such a bad job of getting more hams really interested in HAM
radio
in without breaking open a flood gate for those not really interested in
HAM.

> Bill Sohl K2UNK
> ARRL Local Gov't Liaison, Mt. Olive Township, NJ

i can't speak for yours our any other area, but i DO know the people
that
live here. it's very likely that you live in a metro type city that
does
not have this type of community. in central missouri, this IS what you
will
find in every town up and down I-44. so without drastic changes in on
air responsibility, the hf bands would become a worse place than they
are now.

--
A.C.Curtis
KB0WLF
President DCARC
mailto:demoman@rollanet.org
http://www.rollanet.org/~demoman/

From -3650793291101792628
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f557d,42fc6027812b1a78,start
X-Google-Attributes: gidf557d,public
X-Google-Thread: 10c9e3,42fc6027812b1a78,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ddf1,42fc6027812b1a78,start
X-Google-Attributes: gid10ddf1,public

```
X-Google-Thread: 1009ad,42fc6027812b1a78,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fddbf,42fc6027812b1a78,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,42fc6027812b1a78,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114cd0,42fc6027812b1a78,start
X-Google-Attributes: gid114cd0,public
X-Google-Thread: 1118b9,42fc6027812b1a78,start
X-Google-Attributes: gid1118b9,public
From: manpower@juno.com (Manpower)
Subject: I NEED A PROGRAM FOR THE HAM TEST!!
Date: 1997/04/06
Message-ID: <5i9a21$d09@news5.snfc21.pacbell.net>#1/1
X-Deja-AN: 231306042
Organization: A customer of Pacific Bell Internet Services
Newsgroups: alt.radio.scanner,relcom.radio.ham,in.ham-radio,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,sbay.hams,slac.rec.ham_radio,su.org.ham-radio
```

AMATEUR EXAMINATION PRACTICE SOFTWARE

I'm looking for a program called "AMATEUR EXAMINATION PRACTICE SOFTWARE" anything above version 4.1.

This is a program for taking the many of the different ham tests. The version that I have is rather old and looking for something more current. I have version 4.1, from 1994, and need something more up to date.

If someone has the recent version of "AMATEUR EXAMINATION PRACTICE SOFTWARE", can you PLEASE email it to me?

Thanks..

James

```
From -3681964115630642216
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,21517d680694688c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f557d,21517d680694688c,start
X-Google-Attributes: gidf557d,public
X-Google-Thread: fddbf,21517d680694688c,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10ddf1,21517d680694688c,start
```

X-Google-Attributes: gid10ddf1,public
X-Google-Thread: 1118b9,21517d680694688c,start
X-Google-Attributes: gid1118b9,public
X-Google-Thread: 1009ad,21517d680694688c,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: f76e2,21517d680694688c,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114cd0,21517d680694688c,start
X-Google-Attributes: gid114cd0,public
From: stealth@wired2.net (James)
Subject: AMATEUR EXAMINATION PRACTICE SOFTWARE
Date: 1997/04/07
Message-ID: <5i9nk9$l5g@news3.snfc21.pacbell.net>#1/1
X-Deja-AN: 231283868
Organization: Pacific Bell Internet Services
Newsgroups: alt.radio.scanner,relcom.radio.ham,in.ham-radio,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,sbay.hams,slac.rec.ham_radio,su.org.ham-radio

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If someone has the recent version of "AMATEUR EXAMINATION PRACTICE SOFTWARE", can you PLEASE email it to me?

Thanks..

James

From -8340047151686909617
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public

From: Bill Newkirk <wnewkirk@iu.net>
Subject: Re: CW should die, children, please...
Date: 1997/04/08
Message-ID: <334B10F3.7C9A@iu.net>#1/1
X-Deja-AN: 231709731
References: <01bc3bdb$71fcc9c0$81f431cf@william-lee>
<E82oy9.B6D@serval.net.wsu.edu> <3344E4A3.4B94@ibm.net>
<5i3cmv$j3q@news.co.intel.com>
Organization: Space Coast Amateur Technical Group
Reply-To: wnewkirk@iu.net
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Casey Bahr wrote:
> Study what? The question pool? Anyone with a C average in school can pass
> any of the written elements with less than a day's study if they have
> the pool questions/answers, which are widely distributed on the net and
> in books. I'm not advocating that people do it, just that the poster is
> correct in saying there is no challenge in that.
>
> Casey KK7FX

well, in most cases, the work you did in school consisted of studying a large amount of material only to cough up a few answers such as "who's buried in grant's tomb?". or what happened in 1066 or compute the circumference of a flower garden 3 feet from center to edge.

if the tests were so terribly easy, i should never see any failures at the radio exams. last time around i think we had 6 of 18 that qualified for a license. and we only had about 7 or 8 unlicensed people at the exam...

actually, i'd bet if i picked ten questions at random from the novice pool and took them to a large radio club made up of long licensed hams, i'd bet at best i'd only see an average of 5-7 questions right across the entire group. since the tests are entry exams, you'd think that those in the service the longest would have the easiest time..right?

From 5569937897758469857
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <carl@ais.net>
Subject: Retesting, progress, and competence ... was Re: CW should die, children, please...
Date: 1997/04/09
Message-ID: <01bc44f5$31c372a0$54c1e1ce@carl.ais.net>#1/1

X-Deja-AN: 231816308
References: <01bc3bdb$71fcc9c0$81f431cf@william-lee>
<E82oy9.B6D@serval.net.wsu.edu> <3344E4A3.4B94@ibm.net>
<5i3cmv$j3q@news.co.intel.com> <334B10F3.7C9A@iu.net>
Organization: Consulting Engineer
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

-----BEGIN PGP SIGNED MESSAGE-----

Bill Newkirk <wnewkirk@iu.net> wrote in article <334B10F3.7C9A@iu.net>...

> actually, i'd bet if i picked ten questions at random from the novice pool and took them to a large radio club made up of long licensed hams, i'd bet at best i'd only see an average of 5-7 questions right across the entire group. since the tests are entry exams, you'd think that those in the service the longest would have the easiest time..right?

That's a big part of the problem, Bill and I'm glad that you bring it up.

In point of fact, a huge portion of presently licensed hams only barely squeaked past the test on luck, short-term memorization, and a few good guesses and then told themselves "I've passed the test, I know all that's necessary to know" and then promptly fell asleep only to be wakened by the need to say "UR 599, PSE QSL" at some opportune time so they could get another postcard to plaster on their wall so they can lie to themselves about what great, SOTA communicators they are ... They've been in that state for years and have fallen so far behind in terms of the changes in technology that they don't even realize how far behind they are ... it's like they've fallen into a well that's so deep they can't see all the way to the surface ...

The point that you make is a serious problem for our service and I feel very strongly that it points to a rather critical need for retesting at renewal time. This is a change in the rules that I would strongly support because I think it is perhaps the ONLY way to overcome the laziness and stagnation that have become so prominent in our ranks. I know the slackards, yackers, gamers, cheapskates, and others will bitch, whine, moan, and generally pitch a fit over the idea of having to prove themselves qualified at each renewal, but too bad. (many other things that require licenses require periodic recertification)

The technology of communications (which we're supposed to be keeping up with ... even advancing) is moving so fast that it's absurd to claim one is qualified today because one passed a test on tube theory 30 years ago, then sat down to chase DX and never learned another thing ... I am absolutely certain that there are still many OTs who used to build their own rigs (when tubes were the thing) but stopped years ago because "those damned transistor thingies are too small and confusing ..." These folks USED to be qualified, but they didn't keep up with the progress of technology and now they're so far behind that they don't have a clue ...

Bear in mind that I'm NOT saying that EVERYONE who's been licensed
for more than a few years is like this, but the reality is that there is a
huge portion of the ham population that *IS* ...

That this can happen says that there's something fundamentally wrong
with our licensing and testing system ... there are other things wrong,
too, but retesting at renewal time would at least assure that people
remained reasonably competent by keeping up with the inevitable
changes in technology ...

Carl - wa6vse
carl@ais.net

-----BEGIN PGP SIGNATURE-----
Version: 4.5

iQCVAwUBM0usWuIP1XFmaCFVAQH4KQP+KufH4fpW4Olw/sxq61GKJQLDyvL4/deK
ozwlAHqsOf9S0sHS2yPtB8Zx/XiSWHQXh6Cg06yBD0ibYj3C3lwJH1DR/stWen/C
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=NAuF
-----END PGP SIGNATURE-----

From 8491336007769185851
X-Google-Language: ENGLISH,ASCII-7-bit
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X-Google-Attributes: gidfb8c6,public
X-Google-Thread: f8d61,74ac4ce2543ba1bc,start
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X-Google-Thread: 101e31,74ac4ce2543ba1bc,start
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X-Google-Attributes: gid1009ad,public
X-Google-Thread: fb13e,74ac4ce2543ba1bc,start
X-Google-Attributes: gidfb13e,public
X-Google-Thread: fe08a,74ac4ce2543ba1bc,start
X-Google-Attributes: gidfe08a,public
From: "D. F. Cimperman, Jr." <cimperman@tusco.net>
Subject: MX300-S
Date: 1997/04/09
Message-ID: <01bc451a$7afb7f60$6862cecf@dcimp>#1/1
X-Deja-AN: 231845899
Organization: eNET Inc. (Global Internet Access Provider)
Newsgroups: alt.radio.internet,alt.radio.scanner,hh.hamradio,in.ham-radio,man.ham-

radio,mot.forsale,pl.rec.radio,rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.space,rec.r

Anyone out there work on Motorola MX300-S radios. I need a few tuned up,
and the proms programmed. I have proms, and radios and spare parts, I just
dont know How to work on them yet.
Thanks in advance.
--
D. F. Cimperman, Jr.
Pager Central
116 North Broadway
New Philadelphia, Ohio. 44663

From -3187956808808779192
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f62bed22e307dab,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10fbd1,f62bed22e307dab,start
X-Google-Attributes: gid10fbd1,public
X-Google-Thread: 10ddf1,f62bed22e307dab,start
X-Google-Attributes: gid10ddf1,public
X-Google-Thread: f76e2,f62bed22e307dab,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,f62bed22e307dab,start
X-Google-Attributes: gidfddbf,public
From: seanj@os.com (Sean James)
Subject: Windows 95 ham/packet radio software & hardware
Date: 1997/04/10
Message-ID: <334c3e20.0@news.os.com>#1/1
X-Deja-AN: 231927326
Summary: Looking for WIN 95 ham/packet software/hardware
Organization: Orbit Systems, Inc. (OS.COM)
Keywords: packet;ham
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur.packet,relcom.radio.ham

I am looking for easy, inexpensive start-up software/hardware for ham packet
radio to run on a 133 MHZ pentium (WIN 95) for my father to use. His call sign
is W1NZP out of Salem,CT.

```
===================================================================
James & Company Design Services             Email:  seanj@os.com
586 Pleasant Street                         Phone:  (508) 755-2179
Worcester, MA 01602                         http://www.os.com/~seanj
                                            Fax: (800) 754-3313
```

From -475279403586773522
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "William Lee" <willee@inwave.com>
Subject: Re: Retesting, progress, and competence ... was Re: CW should die, children, please...
Date: 1997/04/10
Message-ID: <01bc459e$574c51a0$a8ee65ce@william-lee>#1/1
X-Deja-AN: 232022328
References: <01bc3bdb$71fcc9c0$81f431cf@william-lee> <E82oy9.B6D@serval.net.wsu.edu> <3344E4A3.4B94@ibm.net> <5i3cmv$j3q@news.co.intel.com> <334B10F3.7C9A@iu.net> <01bc44f5$31c372a0$54c1e1ce@carl.ais.net>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Great sig file Carl, Did it take long to write it?

From -4413419785333474676
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <carl@ais.net>
Subject: Re: Retesting, progress, and competence ... was Re: CW should die, children, please...
Date: 1997/04/10
Message-ID: <01bc45cd$647a9a60$4ec1e1ce@carl.ais.net>#1/1
X-Deja-AN: 232085135
References: <01bc3bdb$71fcc9c0$81f431cf@william-lee> <E82oy9.B6D@serval.net.wsu.edu> <3344E4A3.4B94@ibm.net> <5i3cmv$j3q@news.co.intel.com> <334B10F3.7C9A@iu.net> <01bc44f5$31c372a0$54c1e1ce@carl.ais.net> <01bc459e$574c51a0$a8ee65ce@william-lee>
Organization: Consulting Engineer
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

-----BEGIN PGP SIGNED MESSAGE-----

William Lee <willee@inwave.com> wrote in article
<01bc459e$574c51a0$a8ee65ce@william-lee>...
>

> Great sig file Carl, Did it take long to write it?
>

No, it was created automatically ... technology is wonderful, 'aint it?

It's a cryptographically-secure message digest that proves that
I really wrote the message and allows the detection of any
alteration to the message ...

If you watch a few, you'll see that they're never the same ...
because they are dependent on both every bit of the message
content and on a time-varying cryptographic function ...

Pretty neat, huh? (Discourages the twits from altering my posts
with their "cute" little "quotes," etc. to make it look like I
said things I didn't say ...)

Carl - wa6vse
carl@ais.net

-----BEGIN PGP SIGNATURE-----
Version: 4.5

iQCVAwUBM00XF+IP1XFmaCFVAQHXvAP8CONp1qEE8L617I3nzd0oeBTANVwcNG+Y
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Cw74w7CDKqg=
=GwaJ
-----END PGP SIGNATURE-----

From 1132880848380344312
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: billsohl@planet.net (Bill Sohl)
Subject: Re: CW should die, children, please...
Date: 1997/04/10
Message-ID: <5ijpv4$3h2@jupiter.planet.net>
X-Deja-AN: 232229104
References: <33236044.339E@kerrlake.com> <5hhore$52e@anomaly.ideamation.com>
<5hrmmf$e91@pixar.com> <5hsj4d$rba@news.Hawaii.Edu> <3345D0F9.5205@bellsouth.net>
<5i5oki$frs@jupiter.planet.net> <3347FC84.6AB8@rollanet.org>
Organization: BL Enterprises
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

Demolition Man <nospam.demoman@rollanet.org> wrote:

>>
>> Keith:
>> You echo the same empty logic that has gone on before.
>> Read Part 97 and come back and tell us where Ham Radio
>> is defined by the FCC as a hobby.

>as a supposedly self governing body, WE define ham radio.

Absolute rubbish. We are self policing...that does not include
the power to set the regulations, only to enforce by self
monitoring and reporting to the FCC observed violations.

>> You then end with the same tripe that others
>> before you have said (although at least you said it in a
>> clear statement).. i.e. I did it, now so should everyone
>> else. Sorry to inform you, but that is not how national or
>> international license requirments should be established
>> or maintained. If a requirement has no compelling and
>> rational reson to exist, then it should go...irrespetive
>> of how many had to pass that requirement before.
>>
>like registering for the draft eh?

The last draft was in the 60s/early 70s. You can argue
if there was a need. As I recall, those that were
drafted or already in the military weren't the ones that
set the rules either.

>> Lastly, you claim that without code the bands will
>> be like CB, yet with over 100,000 co-code hams
>> we have nothing CB like on the VHF bands at all.
>> Neither you nor anyone else can predict what the
>> impact might be if code is dropped. Fear of the unknown
>> is understandable but the comparison to CB is so
>> far off the mark it bears comarison.

>come visit my neck of the woods. the 2m no-coders are exactly like
>they are on their CBs minus the language. 10-4 and destinated and
>what's your 20 and so on.

So what. I must have skipped the chapter in the FCC
rules that said only approved Q codes were allowed.

> when asked to adjust their on air dialog
>1 in 10 of the CBers will comply. the others will tell you that
>propagation on 11m is better than this repeater s**t and never use
>their priveleges again. Membership drives for the club always pick
>up some CBers as well as new to radio types. the new to radio types
>are always more open to the expected ham behavior.

I guess in the confusing comments above there is
a message. Not at all sure what the heck it is though.

>> CB - No license, buy a $40 radio and go on the air.
>>
>never been around a CBer eh? again visit my area or a truck stop with
>cb repair done on premises. $250-$350 radios and $300-$600 linears.
>50ft towers and $250 beam antennae. half of the CBers shacks rival my
>own and i have been pretty fortunate.

All illegal too from your description. Additionally, how many
of those types are there and it seems interesting that you
tolerate such illegals as friends and acquantences.

>> HF Hams (assuming there was no code test)
>> License still required. Theory and regs testing at
>> the general level would still be retained (indeed,
>> I and others have offered several ways the test
>> pool can and shoould be improved).
>> HF radios are not cheap...even older used ones.
>>
>in regards to what? 80m AM in my opinion is THE biggest draw for
>the CB crowd. these tube type radios are available and cheaper than
>what they use now. i do computer repair/building work for the local
>electronic and CB repair shop. 3 guys that work there would be hams
>right now if not for the code test. they are nice guys to be sure
>but have admitted that they would not change their practice on the ham
>bands. they have home built amplifiers using 4-1000, 3-3000 and even
>3-10000 being driven by Johnsons, Apaches and other old rigs and
>transmit

Your point? As long as they weren't perating illegally once
they became hams, just what is your beef?

>several kilowatts. they curse, play music whatever on 11m. these guys
>could TEACH the theory but want to talk like CBers on the longer
>traveling
>ham bands. many, many CBers that come to get their rigs fixed or
>tweaked
>express the exact same sentiment. i'd get my ham license except for the
>code. they have no interest in short range fm priveleges so why should
>they start with a tech license they say. sounds like the no-code tech
>is
>not doing such a bad job of getting more hams really interested in HAM
>radio
>in without breaking open a flood gate for those not really interested in
>HAM.

Yet even if code went away, those CB good buddies of
yours would need to pass a GENERAL test. Are you afraid
of that?

>i can't speak for yours our any other area, but i DO know the people
>that
>live here. it's very likely that you live in a metro type city that

>does
>not have this type of community. in central missouri, this IS what you
>will
>find in every town up and down I-44. so without drastic changes in on
>air responsibility, the hf bands would become a worse place than they
>are now.

Gee, now we have someone saying the rural country folks
are the CB problem, not the urban areas.

Bill Sohl K2UNK
ARRL Local Gov't Liaison, Mt. Olive Township, NJ
Visit the No-Code WEB site: http://www.nocode.org

From 2969352435371464266
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Greg Emerson <gregemmy@lni.net>
Subject: Re: CW should die, children, please...
Date: 1997/04/11
Message-ID: <334D9610.25E7@lni.net>#1/1
X-Deja-AN: 232227238
References: <33236044.339E@kerrlake.com> <5hhore$52e@anomaly.ideamation.com>
<5hrmmf$e91@pixar.com> <5hsj4d$rba@news.Hawaii.Edu> <3345D0F9.5205@bellsouth.net>
<5i5oki$frs@jupiter.planet.net> <3347FC84.6AB8@rollanet.org>
<5ijpv4$3h2@jupiter.planet.net>
Organization: Technology Dimensions Inc. 114 E Elm Ave Monroe,MI 48162
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

Bill Sohl wrote:

>Once again, the only thing a government test should
>include is the things that are reuired on a sound and
>rational basis.

As a former Marine Sergeant and a current police officer, I feel I have
had my fair share of dealings with the "government" and I can tell you
THEY DO NOTHING ON A SOUND AND RATIONAL BASIS!!!!

I had government tests in the military that I neither liked nor felt
were relevant to my job. Typing was one of them. I never had to type
once in my four year tour. You see, the government don't give a rat's
patootie what you or I think. They don't *have* to do squat if they
don't want to. That's the bottom line. You either do it or you don't
pass. Relevant test or not. They won't go changing everything around to

accomodate a few over-zealous rebels. Don't tell me it ain't the same,
either. ALL government is the same.

Like Nike says...just do it.

With all the energy and time people expend complaining about the code,
they could instead be a general or above if they applied that energy in
another direction.

Well, now I'm gonna wait for Bill Sohl to disect my post and tell me how
wrong I am...

Take care everyone!

73,

Greg Emerson WG8N

From 1525191250514349831
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: billsohl@planet.net (Bill Sohl)
Subject: Re: CW should die, children, please...
Date: 1997/04/11
Message-ID: <5il8fc$8in@jupiter.planet.net>#1/1
X-Deja-AN: 232285679
References: <33236044.339E@kerrlake.com> <5hhore$52e@anomaly.ideamation.com>
<5hrmmf$e91@pixar.com> <5hsj4d$rba@news.Hawaii.Edu> <3345D0F9.5205@bellsouth.net>
<5i5oki$frs@jupiter.planet.net> <3347FC84.6AB8@rollanet.org>
<5ijpv4$3h2@jupiter.planet.net> <334D9610.25E7@lni.net>
Organization: BL Enterprises
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

Greg Emerson <gregemmy@lni.net> wrote:

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>>include is the things that are reuired on a sound and
>>rational basis.

>As a former Marine Sergeant and a current police officer, I feel I have
>had my fair share of dealings with the "government" and I can tell you
>THEY DO NOTHING ON A SOUND AND RATIONAL BASIS!!!!

Even assuming your statement was 100% true, that doesn't support the continued testing of morse.

>I had government tests in the military that I neither liked nor felt
>were relevant to my job. Typing was one of them. I never had to type
>once in my four year tour. You see, the government don't give a rat's
>patootie what you or I think. They don't *have* to do squat if they
>don't want to. That's the bottom line. You either do it or you don't
>pass.

Great attitutde. You offer no rational reason at all to keep CW testing. You view the requirment as self justifying.

>Relevant test or not. They won't go changing everything around to
>accomodate a few over-zealous rebels. Don't tell me it ain't the same,
>either. ALL government is the same.

I guess as a member of government you know best. I also know that it can be changed, and eventually will be changed. I've already done it so your statement is directed at the wrong person. You assume that bbecause I'm working for change that it is to benefit mysel...sorry to inform you, but I don't need the code dropped myself.

>Like Nike says...just do it.

Ditto my prior comments above.

>With all the energy and time people expend complaining about the code,
>they could instead be a general or above if they applied that energy in
>another direction.

Check my license class.

>Well, now I'm gonna wait for Bill Sohl to disect my post and tell me how
>wrong I am...

Done!

Bill Sohl K2UNK
ARRL Local Gov't Liaison, Mt. Olive Township, NJ
Visit the No-Code WEB site: http://www.nocode.org

From 6660234838249111583
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,89fc845c83ac1b54,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11480d,89fc845c83ac1b54,start
X-Google-Attributes: gid11480d,public

X-Google-Thread: f84e8,89fc845c83ac1b54,start
X-Google-Attributes: gidf84e8,public
X-Google-Thread: fcc6e,89fc845c83ac1b54,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f7653,89fc845c83ac1b54,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: fddbf,89fc845c83ac1b54,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,89fc845c83ac1b54,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,89fc845c83ac1b54,start
X-Google-Attributes: gidfa656,public
From: "Rocco" <rocco@superior.net>
Subject: RE: HRO's catalog of LIES!
Date: 1997/04/13
Message-ID: <01bc1f17$63ee4600$8e6099ce@roccocon>#1/1
X-Deja-AN: 234515070
Organization: WebSpan Inc., New Jersey
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.swap

Don't be a baby! If you shop around a bit and if you knew anything about
HRO
you would know the following:

1. In most cases HRO will give you the same price as anyone else. Just tell
them
who has it for the lower price and they will come down to that price.

2. They charge shipping for any order under $100.00.

If you don't do your homework when you are ordering, than don't cry when
you don't have a clue what the final price is. All ypu had to do was ask
what
the total was. If you don't like the price, SEND THE ITEM BACK!!!

Rocco

From -6034861254223792297
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7525e8ac961249,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa2dd,b7525e8ac961249,start
X-Google-Attributes: gidfa2dd,public
X-Google-Thread: f916a,b7525e8ac961249,start
X-Google-Attributes: gidf916a,public

X-Google-Thread: 111f31,b7525e8ac961249,start
X-Google-Attributes: gid111f31,public
X-Google-Thread: fa656,b7525e8ac961249,start
X-Google-Attributes: gidfa656,public
From: silkycomREMOVE4NOSPAM@teleport.com (Frank)
Subject: FS: Ritron Jobcom Radios, Red Dot
Date: 1997/04/13
Message-ID: <335154ab.22487063@news.teleport.com>#1/1
X-Deja-AN: 234590931
Organization: CCMRC
Reply-To: silkycomREMOVE4NOSPAM@teleport.com
Newsgroups: pdx.forsale,pnw.forsale,rec.radio.amateur,seattle.forsale,rec.ham-radio

Two JOBCOM radios by Ritron:

One (1) JBC-200, 2-watt, 2 1/2 channel handheld with swivel case, A/C charger, Weather crystal (may or may not work where you are), 1 channel (Red Dot) installed, one open. Privacy module installed. Slightly used as a demo/loaner. Excellent shape.   Alone: $230.00

One (1) JBC-15M, 1-watt, 1-channel handheld with swivel case, A/C charger, Red Dot installed. Privacy Module installed. Slightly used as a demo/loaner. Excellent shape. Alone: $175.00

Take all FOR: $325.00 FIRM. Both working.

From -394084549292239206
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,89fc845c83ac1b54
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,89fc845c83ac1b54
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fddbf,89fc845c83ac1b54
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f7653,89fc845c83ac1b54
X-Google-Attributes: gidf7653,public
X-Google-Thread: fa656,89fc845c83ac1b54
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,89fc845c83ac1b54
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 11480d,89fc845c83ac1b54
X-Google-Attributes: gid11480d,public
X-Google-Thread: f84e8,89fc845c83ac1b54
X-Google-Attributes: gidf84e8,public
From: Ted <ted@GetOutOfSpamFree.Card>
Subject: RE: HRO's catalog of LIES!
Date: 1997/04/14
Message-ID: <Pine.BSF.3.91.970414050527.11379M-100000@prog1.caprica.com>#1/1

X-Deja-AN: 234696061
References: <01bc1f17$63ee4600$8e6099ce@roccocon>
X-Sender: ted@prog1.caprica.com
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.swap

```
[1]--------------------------------------------------------+
|  My domain-name in the address header is bogus! This  |
|  is to defeat those junk-email robots in newsgroups.  |
|  To send me email, you MUST change the "To:" header!  |
|  My correct email address to use is: ted@caprica.com  |
|  When replying, do so between points, point-by-point, |
|  not all bunched together & delete any excess quotes. |
+--------------------------------------------------------+
```

On 13 Apr 1997, Rocco wrote:

> Don't be a baby! If you shop around a bit and if you knew anything about
> HRO

By the way, Rocco, who gave you permission to add more newsgroups to MY thread?

Ted (ted@caprica.com)

```
[2]--------------------------------------------------------+
|  My Email is neither a newsgroup or a public forum!   |
|  I do NOT want any advertizing via Email. Who ever    |
|  sends unsolicited advertizing via Email is risking   |
|  cancelation of internet service without refund and   |
|  possible prosecution for harrassment and/or fraud!   |
|  Any email replies from newsgroups might be replied   |
|  to publicly in the newsgroup/s it originated from.   |
+----------------------------+---------------------------+
                             |
[3]--------------------------+---------------------------+
|  My webpage contains many interesting URL's to try!   |
|  Webpage: http://www.caprica.com/~ted/main.html       |
|  Lots of free interesting info & NO junk-mail robot!  |
+----------------------------+---------------------------+
                             |
[4]--------------------------+---------------------------+
|  Come browse the free Taral Hicks Fan Club Webpage!   |
|  It's at: http://www.caprica.com/~ted/taralfan.html   |
+----------------------------+---------------------------+
                             |
[5]--------------------------+---------------------------+
|  Don't even bother griping about my signature file.   |
|  Gripes about my sig file ARE "unwanted email" and    |
|  can ONLY get you a harsh reply, but NEVER a change.  |
|  Add me to your killfile, jump to the next message,   |
|  flip the page or just ignore the sig file content,   |
|  but have the maturity not to whine like a big baby.  |
+-------------------------------------------------------+
```

From 4531754980208486243
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,89fc845c83ac1b54
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,89fc845c83ac1b54
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f7653,89fc845c83ac1b54
X-Google-Attributes: gidf7653,public
X-Google-Thread: f84e8,89fc845c83ac1b54
X-Google-Attributes: gidf84e8,public
X-Google-Thread: f76e2,89fc845c83ac1b54
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,89fc845c83ac1b54
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,89fc845c83ac1b54
X-Google-Attributes: gid11480d,public
X-Google-Thread: fddbf,89fc845c83ac1b54
X-Google-Attributes: gidfddbf,public
From: Ted <ted@GetOutOfSpamFree.Card>
Subject: RE: HRO's catalog of LIES!
Date: 1997/04/14
Message-ID: <Pine.BSF.3.91.970414050055.11379L-100000@prog1.caprica.com>#1/1
X-Deja-AN: 234696087
References: <01bc1f17$63ee4600$8e6099ce@roccocon>
X-Sender: ted@prog1.caprica.com
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.swap

```
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|  not all bunched together & delete any excess quotes. |
+-------------------------------------------------------+
```

On 13 Apr 1997, Rocco wrote:

> Don't be a baby! If you shop around a bit and if you knew anything about
> HRO

Aww... just go back to driving your Yellow Cab, Mr. Birdi.

Ted (ted@caprica.com)

```
[2]-----------------------------------------------------+
|  My Email is neither a newsgroup or a public forum!   |
|  I do NOT want any advertizing via Email. Who ever    |
|  sends unsolicited advertizing via Email is risking   |
|  cancelation of internet service without refund and   |
|  possible prosecution for harrassment and/or fraud!   |
|  Any email replies from newsgroups might be replied   |
|  to publicly in the newsgroup/s it originated from.   |
+---------------------------+---------------------------+
                            |
[3]-------------------------+---------------------------+
|  My webpage contains many interesting URL's to try!   |
|  Webpage: http://www.caprica.com/~ted/main.html       |
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+---------------------------+---------------------------+
                            |
[4]-------------------------+---------------------------+
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                            |
[5]-------------------------+---------------------------+
|  Don't even bother griping about my signature file.   |
|  Gripes about my sig file ARE "unwanted email" and    |
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|  Add me to your killfile, jump to the next message,   |
|  flip the page or just ignore the sig file content,   |
|  but have the maturity not to whine like a big baby.  |
+-------------------------------------------------------+
```

```
From 6250804322837814393
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267be1131218f3d0
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,267be1131218f3d0
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,267be1131218f3d0
X-Google-Attributes: gid1109af,public
X-Google-Thread: fcc6e,267be1131218f3d0
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f76e2,267be1131218f3d0
```

```
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,267be1131218f3d0
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,267be1131218f3d0
X-Google-Attributes: gid107ada,public
From: feinstei@mailhost.fsic.ford.com (Fredric J. Einstein)
Subject: Re: FS- Pro 2006
Date: 1997/04/15
Message-ID: <5j0eig$s0o1@eccws1.dearborn.ford.com>#1/1
X-Deja-AN: 235041440
References: <01bc4947$b5848d80$614a84d0@shannon.datasync.com>
Organization: Ford Motor Co.
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
,rec.radio.amateur.misc,rec.radio.swap
```

"The Manning's" <silverd@datasync.com> wrote:

>For sale. Pro 2006
>$500.00 + S&H
>silverd@datasync.com

I reply:
You must have made a typo. Perhaps $300.00 would be more
reasonable????!!!

```
From 7645803870619839905
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,89fc845c83ac1b54
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,89fc845c83ac1b54
X-Google-Attributes: gidfa656,public
X-Google-Thread: 11480d,89fc845c83ac1b54
X-Google-Attributes: gid11480d,public
X-Google-Thread: f76e2,89fc845c83ac1b54
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,89fc845c83ac1b54
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f84e8,89fc845c83ac1b54
X-Google-Attributes: gidf84e8,public
X-Google-Thread: f7653,89fc845c83ac1b54
X-Google-Attributes: gidf7653,public
X-Google-Thread: fcc6e,89fc845c83ac1b54
X-Google-Attributes: gidfcc6e,public
From: Tim Robertson <timr@gorge.net>
Subject: Re: HRO's catalog of LIES!
Date: 1997/04/16
Message-ID: <33555D54.476F@gorge.net>#1/1
X-Deja-AN: 235718951
```

```
References: <01bc1f17$63ee4600$8e6099ce@roccocon>
<Pine.BSF.3.91.970414050527.11379M-100000@prog1.caprica.com>
Organization: KC7QOM
Reply-To: timr@gorge.net
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.digital,r
ec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec
.radio.amateur.swap


Ted wrote:
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> +--------------------------------------------------------+
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> thread?
>
Didn't know we were obligated to ask your permission??



From -1524357248945587957
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f4e7d,50f55754dc2816e2,start
X-Google-Attributes: gidf4e7d,public
X-Google-Thread: 10c9e3,50f55754dc2816e2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,50f55754dc2816e2,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,50f55754dc2816e2,start
X-Google-Attributes: gidf76e2,public
From: Don & Monica Casella <casella1@ziplink.net>
Subject: FS: Complete Ham Radio Station/Kenwood TS 680
Date: 1997/04/17
Message-ID: <335698E2.2814@ziplink.net>#1/1
X-Deja-AN: 235628533
Organization: ZipLink -- America's Hottest ISP
Reply-To: casella1@ziplink.net
Newsgroups: rec.ham-radio,rec.radio.amateur.equipment,ne.forsale,rec.ham-
radio.swap
```

Entire H.F. Station for sale:

Kenwood TS 680S HF with 6 meters.
-100 watts on all bands, 20 watts on 6 meters, all mode.
- Narrow CW filter
- SP 430 matching external speaker
- AEA model ET-1 HF antenna tuner
- 20 Amp power supply
- Orig. box, manual, and service manual.

$900.00 including shipping continental U.S.

Misc. Ham equipment:

AEA PK-88 packet controller.
- includes MFJ TNC/MIC switch for Kenwood/Alinco radios.
- Orig. box and manual
- Serial Cable/Audio Cable/Microphone Cable.

$75.00 including shipping continental U.S.

MFJ Model 1796 Vertical Antenna:
- Covers 2, 6, 10, 15, 20, and 40 meters.
- Pick up or delivery near Hartford, CT

$100.00

Will split up station if necessary. Please e-mail me if interested.

The only reason for selling is that I am attending grad school and
working full time and will not be using the gear for a number of years.

From -1510220263267882657
X-Google-Language: INDONESIAN,ASCII-7-bit
X-Google-Thread: 10c9e3,267be1131218f3d0
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,267be1131218f3d0
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,267be1131218f3d0
X-Google-Attributes: gid1109af,public
X-Google-Thread: fcc6e,267be1131218f3d0
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,267be1131218f3d0
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,267be1131218f3d0
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,267be1131218f3d0
X-Google-Attributes: gidf76e2,public
From: George DuBord <duby@evansville.net>
Subject: Re: FS- Pro 2006
Date: 1997/04/20
Message-ID: <335AA47A.5685@evansville.net>#1/1

```
X-Deja-AN: 236222735
References: <01bc4947$b5848d80$614a84d0@shannon.datasync.com>
<5j0eig$s0o1@eccws1.dearborn.ford.com>
Organization: EOL
Reply-To: duby@evansville.net
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
,rec.radio.amateur.misc,rec.radio.swap


Fredric J. Einstein wrote:
>
> "The Manning's" <silverd@datasync.com> wrote:
>
> >For sale. Pro 2006
> >$500.00 + S&H
> >silverd@datasync.com
>
> I reply:
> You must have made a typo.  Perhaps $300.00 would be more
> reasonable????!!!

REALLYY HHHHHAAAAHHHHHAHAHAHAHAHAHAHAHAHAHHHHAHAHAHHAHAHAHAHAAAAAAAHAH
HAHAHHAHAHAHAHAHAHAHAHAHAHAHAHAHHEHHEHEHEHEHEHEHEHEHAHAHAHAHAH
HEHEHEHEHHHHHaaaaaaaaaaaaaaaaahaaeeeaeahahahahahehehehaehaehahaehah




From 9148076700508912361
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f41d7af96b4d1d2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f557d,6f41d7af96b4d1d2,start
X-Google-Attributes: gidf557d,public
X-Google-Thread: fb8c6,6f41d7af96b4d1d2,start
X-Google-Attributes: gidfb8c6,public
X-Google-Thread: fb13e,6f41d7af96b4d1d2,start
X-Google-Attributes: gidfb13e,public
X-Google-Thread: 101e31,6f41d7af96b4d1d2,start
X-Google-Attributes: gid101e31,public
X-Google-Thread: f8d61,6f41d7af96b4d1d2,start
X-Google-Attributes: gidf8d61,public
X-Google-Thread: fe08a,6f41d7af96b4d1d2,start
X-Google-Attributes: gidfe08a,public
X-Google-Thread: 1009ad,6f41d7af96b4d1d2,start
X-Google-Attributes: gid1009ad,public
From: "D. F. Cimperman, Jr." <cimperman@tusco.net>
Subject: Program MX300-S Proms
Date: 1997/04/22
Message-ID: <01bc4f5a$a1a494e0$6562cecf@dcimp>#1/1
X-Deja-AN: 236624526
Organization: eNET Inc. (Global Internet Access Provider)
Newsgroups: alt.radio.internet,alt.radio.scanner,hh.hamradio,in.ham-radio,man.ham-
```

radio,mot.forsale,pl.rec.radio,rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.space,rec.r

I am looking for a shop to program several MX300-S Proms I have, If you have a R-1800 Programer, Let me know, I would like a few portables checked out, and programed. E-Mail Me with Cost for programing a 48 Ch prom, and check out the radio.

Thanks In advance.

Dave
--
D. F. Cimperman, Jr.
Pager Central
116 North Broadway
New Philadelphia, Ohio. 44663

From 1477333002429791524
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b682cc3519f350e6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,b682cc3519f350e6,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: 1009ad,b682cc3519f350e6,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,b682cc3519f350e6,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: fa656,b682cc3519f350e6,start
X-Google-Attributes: gidfa656,public
From: kb9dbc@usa.net (Gregg Sperling)
Subject: Informatory "radio" Web Site!
Date: 1997/04/25
Message-ID: <5jpifa$l6k@nntp.interaccess.com>#1/1
X-Deja-AN: 237216780
Organization: Me
Reply-To: kb9dbc@usa.net
Newsgroups: rec.radio.amateur,rec.radio.scanner,alt.ham-radio,alt.radio.scanner,rec.ham-radio

I have compiled an Informatory Radio WWW page consisting of several different links to other radio pages across the web. Check it out...you might even find your web page being referenced. If you don't, drop me an email, and I'd be more than happy to add it if it contributes to the well being of the hobby of Radio.

73 es gud dx! Happy Scanning!

Gregg, KB9DBC
kb9dbc@usa.net

From 8071880726511734555
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b682cc3519f350e6
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,b682cc3519f350e6
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,b682cc3519f350e6
X-Google-Attributes: gidfa029,public
X-Google-Thread: 10ed5f,b682cc3519f350e6
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,b682cc3519f350e6
X-Google-Attributes: gidfa656,public
From: kb9dbc@usa.net (Gregg Sperling)
Subject: Re: Informatory "radio" Web Site!
Date: 1997/04/25
Message-ID: <5jqa1h$osv@nntp.interaccess.com>#1/1
X-Deja-AN: 237277887
References: <5jpifa$l6k@nntp.interaccess.com>
Organization: Me
Reply-To: kb9dbc@usa.net
Newsgroups: rec.radio.amateur,rec.radio.scanner,alt.ham-radio,alt.radio.scanner,rec.ham-radio

I, however, neglected to put the URL! (**SORRY! It was 1:30 AM when I posted this article, and was trying to cure my insomnia!)

http://members.tripod.com/~kb9dbc

Hope this helps in the search for my web site!

Gregg, KB9DBC
kb9dbc@usa.net

kb9dbc@usa.net (Gregg Sperling) wrote:

>I have compiled an Informatory Radio WWW page consisting of several
>different links to other radio pages across the web. Check it
>out...you might even find your web page being referenced. If you
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>contributes to the well being of the hobby of Radio.

```
>73 es gud dx!  Happy Scanning!

>Gregg, KB9DBC
>kb9dbc@usa.net







From 7206988141433060113
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b682cc3519f350e6
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ed5f,b682cc3519f350e6
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa029,b682cc3519f350e6
X-Google-Attributes: gidfa029,public
X-Google-Thread: fa656,b682cc3519f350e6
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1009ad,b682cc3519f350e6
X-Google-Attributes: gid1009ad,public
From: gtk@mis.haselow.com (Greg Kopp)
Subject: Re: Informatory "radio" Web Site!
Date: 1997/04/25
Message-ID: <gtk-2504970856420001@gkopp.haselow.com>#1/1
X-Deja-AN: 237298775
References: <5jpifa$l6k@nntp.interaccess.com>
Organization: Haselow & Associates
Newsgroups: rec.radio.amateur,rec.radio.scanner,alt.ham-
radio,alt.radio.scanner,rec.ham-radio


What's the URL??????????????????

In article <5jpifa$l6k@nntp.interaccess.com>, kb9dbc@usa.net wrote:

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> different links to other radio pages across the web.  Check it
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> don't, drop me an email, and I'd be more than happy to add it if it
> contributes to the well being of the hobby of Radio.
>
> 73 es gud dx!  Happy Scanning!
>
> Gregg, KB9DBC
> kb9dbc@usa.net



From 2178764492796694923
X-Google-Language: ENGLISH,ASCII-7-bit
```

X-Google-Thread: 10c9e3,f09e91be48480676,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,f09e91be48480676,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 10ed5f,f09e91be48480676,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fa656,f09e91be48480676,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1009ad,f09e91be48480676,start
X-Google-Attributes: gid1009ad,public
From: kb9dbc@usa.net (Gregg Sperling)
Subject: *REVISED: Informatory Web Site!
Date: 1997/04/26
Message-ID: <5jrggl$522@nntp.interaccess.com>#1/1
X-Deja-AN: 237393275
Organization: Me
Reply-To: kb9dbc@usa.net
Newsgroups: rec.radio.amateur,rec.radio.scanner,alt.ham-radio,alt.radio.scanner,rec.ham-radio

*** THE URL IS: http://members.tripod.com/~kb9dbc ***

I have compiled an Informatory Radio WWW page consisting of several different links to other radio pages across the web. Check it out...you might even find your web page being referenced. If you don't, drop me an email, and I'd be more than happy to add it if it contributes to the well being of the hobby of Radio.

73 es gud dx! Happy Scanning!

Gregg, KB9DBC
kb9dbc@usa.net

From 5858652201727727047
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ad1e7383b17df530,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,ad1e7383b17df530,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10fbd1,ad1e7383b17df530,start
X-Google-Attributes: gid10fbd1,public
X-Google-Thread: 107ada,ad1e7383b17df530,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,ad1e7383b17df530,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fddbf,ad1e7383b17df530,start

X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,ad1e7383b17df530,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f4306,ad1e7383b17df530,start
X-Google-Attributes: gidf4306,public
From: N7RCM@Bluehawk.com (Juan)
Subject: FS:Laptop
Date: 1997/04/28
Message-ID: <5k2fsb$gq@phxls1.cybervault.com>#1/1
X-Deja-AN: 237939963
Organization: Jeniku Electronics
Newsgroups: alt.ham-radio.packet,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.packet,rec.radio.amateur.space,rec.radio.amateur.swap

I have a 386SX16 laptop, it has 1meg ram, 80meg hd, mono vga screen. Comes with carry case, pwr/charger for home and cord for pwr/charge in vehicle.

Used this for portable packet and tracking sats while out DXing.

Asking price is $250 obo plus shipping.

Thanks de N7RCM....Juan in Las Vegas

Jeniku Electronics' quote of the day.
The computer did it

From -7332814592042069426
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,226e0d6c10de473b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,226e0d6c10de473b,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f84e8,226e0d6c10de473b,start
X-Google-Attributes: gidf84e8,public
X-Google-Thread: 1009ad,226e0d6c10de473b,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fddbf,226e0d6c10de473b,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fa656,226e0d6c10de473b,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,226e0d6c10de473b,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 10fbd1,226e0d6c10de473b,start
X-Google-Attributes: gid10fbd1,public
From: "Rob Bailey" <wm8s@pobox.com>

Subject: Standards on-line?
Date: 1997/04/29
Message-ID: <01bc5437$646b0140$707e65ce@wm8s-1>#1/1
X-Deja-AN: 238021362
Organization: Bailey-Hudson
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.radio.amateur,rec.radio.amateur.digital,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.packet,rec.radio.commercial-lmr,rec.radio.noncomm,rec.radio.scanner,rec.ra

Working on a baseband sub-processor for killer homebrew rig and need some help: I know of the following commonly used signalling formats - are there others? Especially looking for formats that are public or at least published somewhere. The following list contains lots of (R), TM, etc. - ownership as applicable where not noted:

Continuous Tone Coded Squelch System (CTCSS)
Digital Coded Squelch (DCS)
Single Frequency, Two-tone Sequential like
  Motorola Modified General Encoding Code Plan
  Motorola General Encoding Code Plan
  Motorola Code Type Assignment Method
  Metro-Page 10 and 100 Code Plan
  Motorola Sub-Audible Code Plan
  Modax / Moden / Alert Center Code Plan
  GE Code Plan
  Quick Call (Code Type Y)
  Decimal Digital (5/6) Paging
HF AIRINC SELCAL 2+2 Paging (aviation)
DTMF Code Squelch / ANI
DTMF Paging   (the nnn*mmm kind mostly amateurs use)
DTMF Messaging (the Kenwood kind; anybody know if it's on-line anywhere?)
ASCII ANI
Trunked - Motorola
Trunked - Logical Trunked Radio (LTR-E J Johnson)
Trunked - EDACS (GE)
Trunked - SmarTrunk
Single-frequency Inversion
Split-band Frequency Inversion
CODEC means, like Moto ASTRO, SecureNet, GE SecureGuard, etc.
AX.25 Packet (HF, VHF, 9600 baud)
RTTY (all modes, shifts, etc.)
CW (A1 and A2)
SSTV (all modes)
Digital Selective Calling (maritime)
Emergency Alert System (new) and EBS (old)
IMTS (is this still on the air anywhere?)
Station control tones like
  Non-Simulcast Key Command Function Tones
  Simulcast Key Command Function Tones
  Station Group Disable (Knock-down) Tones
The International Radiotelegraph Alarm (maritime)

The International Radiotelephone Alarm (maritime)
Class A/B EPIRB Sweep Alarm

Thanks!

73 de Rob wm8s@pobox.com

From -8520513791251584864
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1c6d4a1ec9e79f0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b1c6d4a1ec9e79f0,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fb049,b1c6d4a1ec9e79f0,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa656,b1c6d4a1ec9e79f0,start
X-Google-Attributes: gidfa656,public
From: Bryan Lawson <Lucky13@vvm.com>
Subject: Mods for Kenwood TM-261?
Date: 1997/04/29
Message-ID: <336694F5.70E7@vvm.com>#1/1
X-Deja-AN: 238278477
Organization: VVM Internet Services, Inc.
Reply-To: Lucky13@vvm.com
Newsgroups: rec.radio.amateur,rec.ham-radio,rec.radio.amateur.equipment,alt.ham-radio.vhf-uhf

Anyone know of any mods for the Kenwood TM-261?

Bryan Lawson
KC5ZEZ
Killeen, Texas

From -4764240150417617\57
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fbb65,dc40970878a983bf,start
X-Google-Attributes: gidfbb65,public
X-Google-Thread: 10c9e3,dc40970878a983bf,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc1a3,dc40970878a983bf,start
X-Google-Attributes: gidfc1a3,public
X-Google-Thread: 103407,dc40970878a983bf,start
X-Google-Attributes: gid103407,public
X-Google-Thread: ffc99,dc40970878a983bf,start
X-Google-Attributes: gidffc99,public
X-Google-Thread: 1062f2,dc40970878a983bf,start
X-Google-Attributes: gid1062f2,public

X-Google-Thread: 10291f,dc40970878a983bf,start
X-Google-Attributes: gid10291f,public
X-Google-Thread: 105d97,dc40970878a983bf,start
X-Google-Attributes: gid105d97,public
From: dusty@dezi.wu-wien.ac.at (Hermann Himmelbauer)
Subject: Wireless Communication (Wireless Modem)
Date: 1997/04/30
Message-ID: <5k76it$65h@cantine.wu-wien.ac.at>#1/1
X-Deja-AN: 238375026
Organization: University of Economics and Business Administration, Vienna, Austria
Newsgroups:
misc.industry.electronics.marketplace,fj.rec.ham,linux.dev.hams,rec.ham-radio,sci.electronics,tw.bbs.sci.electronics,aus.electronics,francom.electronique

Hi,
In the last year we made a design and a complete FPGA for a wireless data communication. As our time is very rare now, we cannot finish the modem for ourselves.

We are looking for interested people who would finish the produkt and test it. The success of the product would be shared afterwards.

Here are some more Informations:
The wireless modem consists of an analogue and digital part. The complete modulation is digitally done by a FPGA. Moreover the FPGA does a complete CRC-Check and has a programmable synthesizer.
The analogue part consists of a sender and receiver part. For the analogue part exists a complete design and moreover some experiences due to some tests.
The digital part consists of a communication part with the FPGA and another communication part via a RS232. For this job we thought about a microprocessor (e.g. PIC).

The FPGA is complete and simulated. You can find more information about the FPGA at the WWW-address:
http://dezi.wu-wien.ac.at/~dusty/projekte/lddt.html

The wireless modem is designed to work at CB-band or 40 mhz frequencies. Due to a smart 4-phase modulation we can reach data transfer-rates of up to 9600 baud at a 10khz bandwith and around 100kbaud at around 100khz. The FPGA could also handle transferrates of up to 1Mbit, but therefore the design would have to be altered. (analogue part)

A big advantage of this design is the secure connection due to CRC-checks and due to the possibility to buffer data. This leads to a minimal CPU-Usage of e.g. a PC connected to the wireless modem. Hence it is possible to connect dumb terminals or to use the modem for complex remote-controls.

The price for the electronic components are around 80 to 100 USD.

Here is my address for everyone who is interested:

Hermann Himmelbauer

3400 Klosterneuburg
Konradtgasse 13
Tel.: +43/2243/22-305
Fax.: +43/2243/22-305-27
Email: dusty@dezi.wu-wien.ac.at

Best Regards,
Hermann Himmelbauer

P.S.: Please reply by mail and not through a followup

--
Hermann Himmelbauer
E-Mail: Hermann.Himmelbauer@wu-wien.ac.at
Addr.: A-3400 Klosterneuburg Konradtg. 13 Austria
Tel/Fax: ++43 2243 22305
To retrieve my public pgp: "finger dusty@dezi.wu-wien.ac.at"

From -2923032889254367588
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fbb65,dc40970878a983bf
X-Google-Attributes: gidfbb65,public
X-Google-Thread: 10c9e3,dc40970878a983bf
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10291f,dc40970878a983bf
X-Google-Attributes: gid10291f,public
X-Google-Thread: fc1a3,dc40970878a983bf
X-Google-Attributes: gidfc1a3,public
X-Google-Thread: 1062f2,dc40970878a983bf
X-Google-Attributes: gid1062f2,public
X-Google-Thread: ffc99,dc40970878a983bf
X-Google-Attributes: gidffc99,public
X-Google-Thread: 105d97,dc40970878a983bf
X-Google-Attributes: gid105d97,public
X-Google-Thread: 103407,dc40970878a983bf
X-Google-Attributes: gid103407,public
From: wallace <ke4cru@stc.net>
Subject: Re: Wireless Communication (Wireless Modem)
Date: 1997/05/01
Message-ID: <336969C6.1FD2@stc.net>#1/1
X-Deja-AN: 238833774
References: <5k76it$65h@cantine.wu-wien.ac.at>
To: Phil Heaton <ke4krt@mindspring.com>
Organization: Semper Fi
Reply-To: ke4cru@stc.net
Newsgroups:
misc.industry.electronics.marketplace,fj.rec.ham,linux.dev.hams,rec.ham-radio,sci.electronics,tw.bbs.sci.electronics,aus.electronics,francom.electronique

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> http://dezi.wu-wien.ac.at/~dusty/projekte/lddt.html
>
> The wireless modem is designed to work at CB-band or 40 mhz frequencies.
> Due to a smart 4-phase modulation we can reach data transfer-rates of up
> to 9600 baud at a 10khz bandwith and around 100kbaud at around 100khz. The
> FPGA could also handle transferrates of up to 1Mbit, but therefore the design
> would have to be altered. (analogue part)
>
> A big advantage of this design is the secure connection due to CRC-checks and
> due to the possibility to buffer data. This leads to a minimal CPU-Usage of
> e.g. a PC connected to the wireless modem. Hence it is possible to connect
> dumb terminals or to use the modem for complex remote-controls.
>
> The price for the electronic components are around 80 to 100 USD.
>
> Here is my address for everyone who is interested:
>
> Hermann Himmelbauer
> 3400 Klosterneuburg
> Konradtgasse 13
> Tel.: +43/2243/22-305
> Fax.: +43/2243/22-305-27
> Email: dusty@dezi.wu-wien.ac.at
>
> Best Regards,
> Hermann Himmelbauer
>
> P.S.: Please reply by mail and not through a followup
>
> --
> Hermann Himmelbauer
> E-Mail: Hermann.Himmelbauer@wu-wien.ac.at

> Addr.: A-3400 Klosterneuburg Konradtg. 13 Austria
> Tel/Fax: ++43 2243 22305
> To retrieve my public pgp: "finger dusty@dezi.wu-wien.ac.at"

--
****
Wallace A.Butler KE4CRU
U.S.M.C. The One And Only
<<<<<<<<Semper Fi>>>>>>>>
****

From -8167509578436182458
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fbb65,dc40970878a983bf
X-Google-Attributes: gidfbb65,public
X-Google-Thread: 10c9e3,dc40970878a983bf
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1062f2,dc40970878a983bf
X-Google-Attributes: gid1062f2,public
X-Google-Thread: 105d97,dc40970878a983bf
X-Google-Attributes: gid105d97,public
X-Google-Thread: 103407,dc40970878a983bf
X-Google-Attributes: gid103407,public
X-Google-Thread: 10291f,dc40970878a983bf
X-Google-Attributes: gid10291f,public
X-Google-Thread: fc1a3,dc40970878a983bf
X-Google-Attributes: gidfc1a3,public
X-Google-Thread: ffc99,dc40970878a983bf
X-Google-Attributes: gidffc99,public
From: wallace <ke4cru@stc.net>
Subject: Re: Wireless Communication (Wireless Modem)
Date: 1997/05/01
Message-ID: <33696A1E.7A98@stc.net>#1/1
X-Deja-AN: 238833796
References: <5k76it$65h@cantine.wu-wien.ac.at>
Organization: Semper Fi
Reply-To: ke4cru@stc.net
Newsgroups:
misc.industry.electronics.marketplace,fj.rec.ham,linux.dev.hams,rec.ham-radio,sci.electronics,tw.bbs.sci.electronics,aus.electronics,francom.electronique

Hermann Himmelbauer wrote:
>
> Hi,
> In the last year we made a design and a complete FPGA for a wireless
> data communication. As our time is very rare now, we cannot finish the modem
> for ourselves.
>
> We are looking for interested people who would finish the produkt and test it.
> The success of the product would be shared afterwards.

>
> Here are some more Informations:
> The wireless modem consists of an analogue and digital part. The complete
> modulation is digitally done by a FPGA. Moreover the FPGA does a complete
> CRC-Check and has a programmable synthesizer.
> The analogue part consists of a sender and receiver part. For the analogue part
> exists a complete design and moreover some experiences due to some tests.
> The digital part consists of a communication part with the FPGA and another
> communication part via a RS232. For this job we thought about a microprocessor
> (e.g. PIC).
>
> The FPGA is complete and simulated. You can find more information about the
> FPGA at the WWW-address:
> http://dezi.wu-wien.ac.at/~dusty/projekte/lddt.html
>
> The wireless modem is designed to work at CB-band or 40 mhz frequencies.
> Due to a smart 4-phase modulation we can reach data transfer-rates of up
> to 9600 baud at a 10khz bandwith and around 100kbaud at around 100khz. The
> FPGA could also handle transferrates of up to 1Mbit, but therefore the design
> would have to be altered. (analogue part)
>
> A big advantage of this design is the secure connection due to CRC-checks and
> due to the possibility to buffer data. This leads to a minimal CPU-Usage of
> e.g. a PC connected to the wireless modem. Hence it is possible to connect
> dumb terminals or to use the modem for complex remote-controls.
>
> The price for the electronic components are around 80 to 100 USD.
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> Here is my address for everyone who is interested:
>
> Hermann Himmelbauer
> 3400 Klosterneuburg
> Konradtgasse 13
> Tel.: +43/2243/22-305
> Fax.: +43/2243/22-305-27
> Email: dusty@dezi.wu-wien.ac.at
>
>   Best Regards,
>   Hermann Himmelbauer
>
> P.S.: Please reply by mail and not through a followup
>
> --
> Hermann Himmelbauer
> E-Mail: Hermann.Himmelbauer@wu-wien.ac.at
> Addr.: A-3400 Klosterneuburg Konradtg. 13 Austria
> Tel/Fax: ++43 2243 22305
> To retrieve my public pgp: "finger dusty@dezi.wu-wien.ac.at"

you need this to docu wallmaster
--
****
Wallace A.Butler KE4CRU
U.S.M.C. The One And Only

<<<<<<<<Semper Fi>>>>>>>>
****

From 5435410086150363327
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eba41f71d09cd262,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105955,eba41f71d09cd262,start
X-Google-Attributes: gid105955,public
X-Google-Thread: fa656,eba41f71d09cd262,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108778,eba41f71d09cd262,start
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,eba41f71d09cd262,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10ed5f,eba41f71d09cd262,start
X-Google-Attributes: gid10ed5f,public
X-Google-Thread: fbf4d,eba41f71d09cd262,start
X-Google-Attributes: gidfbf4d,public
X-Google-Thread: 11480d,eba41f71d09cd262,start
X-Google-Attributes: gid11480d,public
From: "CHARLES M. FRANCER" <francer@usa1.com>
Subject: For Sale Yaesu Ft - 840
Date: 1997/05/02
Message-ID: <01bc5744$154d2060$a8e1f9cc@default>#1/1
X-Deja-AN: 239055314
Newsgroups: alt.ham-radio,alt.radio.amateur,alt.radio-shack,att.ham-radio,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

FOR SALE:
Yaesu FT 840 in NEW Condition. I added optional FM unit and includes the optional mobile bracket. This is a current model, not a discontinued one.

The rig has 100 memories and dual vfo's. The price is reduced to $650(firm) plus shipping. I used the radio very little times. Great H.F. rig for a potential or General ticket holder. Easy to use! I got the rig in anticipation of upgrading to General, but haven't had the time. Lots of nice features. Dual VFO's.

Very nice clean rig, though...

Please send e-mail to: n1rpd@amsat.org or francer@usa1.com
Charles Francer
N1RPD

73

From -2976450611616321O9
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: olyellr@iglou.com
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/03
Message-ID: <E9LAxL.BvE@iglou.com>#1/1
X-Deja-AN: 239034700
Sender: news@iglou.com (News)
X-Nntp-Posting-Host: lou-13-14.iglou.net
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com>
X-Nntp-Posting-User: olyellr
Organization: IgLou Internet Services (1-800-436-4456)
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

kd1hz@anomaly.ideamation.com (Michael P. Deignan) wrote:

>In article <01bc37bd$06503e40$97c1e1ce@carl.ais.net>,
>   Carl R. Stevenson <carl@ais.net> wrote:

>>> People don't, usually, appreciate the value behind learning the morse
>>> code until they have used it for some time.
>>
>>Most of us who did invest large amounts of time and effort learning
>>the code, still do not see any value

>Ah, so now the truth starts to shine its ugly head.

>Carl invested "large amounts of time and effort learning the code".

>Yet, Carl is a 5WPM, coded tech.

>Thus, we now know why Carl never upgraded. Code doesn't come
>easily to him. It requires a great deal of effort for him to
>learn.

>So, rather than put the effort in, Carl has remained a coded
>tech for 20+ years.

>Now, he wants to eliminate the code so he can "upgrade". In
>other words, its that typical welfare-state mentality. Carl
>wants something for nothing.

>MD
>--
>-- Ted Kennedy has killed more people with his car than I have
>-- with my guns.
>--
>-- If you don't like my opinions, that's just too damn bad.

Yes....poor Carl.....and after spending all that time and
effort......still misses the point.

If a person doesn't want to learn code, fine. Don't learn
it. But don't whine about it and use excuses like "the
state of radio today" or some such nonsense.

With all the tools available today to learn the code with,
it isn't that hard anyway.

Mike L. ke4hlu   (another 5wp tech....looking forward to passing the
13 next month)

From -5655427322829495120
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: billsohl@planet.net (Bill Sohl)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/03
Message-ID: <5kfg6g$ls1@jupiter.planet.net>#1/1
X-Deja-AN: 239104517
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
Organization: Mount Olive Township (NJ) Emergency Management
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

olyellr@iglou.com wrote:
>Yes....poor Carl.....and after spending all that time and
>effort......still misses the point.

>If a person doesn't want to learn code, fine. Don't learn
>it. But don't whine about it and use excuses like "the

>state of radio today" or some such nonsense.

>With all the tools available today to learn the code with,
> it isn't that hard anyway.

Mike, you DON'T get it. We are not whining, we are making
the effort to eliminate code testing. The question is WHY
should anyone now be orced to learn morse code? That is
the issue. Morse code only has value an an entertainment
mode for personal use...and as such has no reason to be
a requirment.

There's no safety reason for morse, no technical reasons
at all. Morse is not used in any manner that suggests any
need for all HF licnesees o know morse.

Morse should be strictly an optional choice to learn and
use.

Bill Sohl K2UNK
ARRL Local Gov't Liaison, Mt. Olive Township, NJ
Visit the No-Code WEB site: http://www.nocode.org

From -7006127976588303304
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/03
Message-ID: <336B84F1.3502@delphi.com>#1/1
X-Deja-AN: 239146583
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

olyellr@iglou.com wrote:
> With all the tools available today to learn the code with,
> it isn't that hard anyway. Mike L. ke4hlu

Hi Mike, what about my friend with a commercial radio license,
years of experience as a broadcast engineer, who spent hundreds
of hours over 20 years and never got to 13wpm? Some otherwise

normal people cannot learn 13wpm no matter how hard they try.

73, Cecil, W6RCA, OOTC

From 6780314588571786056
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: mjsilva@ix.netcom.com(michael silva)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/03
Message-ID: <5kg1fm$sea@dfw-ixnews12.ix.netcom.com>#1/1
X-Deja-AN: 239149195
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<336B84F1.3502@delphi.com>
Organization: Netcom
X-NETCOM-Date: Sat May 03 1:51:34 PM CDT 1997
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In <336B84F1.3502@delphi.com> "Cecil A. Moore" <cecilmoore@delphi.com>
writes:
>
>olyellr@iglou.com wrote:
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>> it isn't that hard anyway. Mike L. ke4hlu
>
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>years of experience as a broadcast engineer, who spent hundreds
>of hours over 20 years and never got to 13wpm? Some otherwise
>normal people cannot learn 13wpm no matter how hard they try.

W-A-V-I-E-R

73,
Mike, KK6GM

From 9067601481701962879
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd

X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: hossie <hossie@getonthe.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/03
Message-ID: <336BC298.6125@getonthe.net>#1/1
X-Deja-AN: 239174022
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net>
Organization: Maretasters, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Bill Sohl wrote:
>
> olyellr@iglou.com wrote:
> >Yes....poor Carl.....and after spending all that time and
> >effort......still misses the point.
>
> >If a person doesn't want to learn code, fine. Don't learn
> >it. But don't whine about it and use excuses like "the
> >state of radio today" or some such nonsense.
>
> >With all the tools available today to learn the code with,
> > it isn't that hard anyway.
>
> Mike, you DON'T get it. We are not whining, we are making
> the effort to eliminate code testing. The question is WHY
> should anyone now be orced to learn morse code? That is
> the issue. Morse code only has value an an entertainment
> mode for personal use...and as such has no reason to be
> a requirment.
>
> There's no safety reason for morse, no technical reasons
> at all. Morse is not used in any manner that suggests any
> need for all HF licnesees o know morse.
>
> Morse should be strictly an optional choice to learn and
> use.
>
> Bill Sohl K2UNK
> ARRL Local Gov't Liaison, Mt. Olive Township, NJ
> Visit the No-Code WEB site: http://www.nocode.org

Oh, come on, Bill! I think prospective hams should demonstrate an
ability to make a coherer/decoherer, a sal ammonical wet rectifier, and
a rotary spark-ga transmitter. Do away with those silly solid-state
theory questions on the exams and test for important knowledge, like
Type 57 plate characteristics and self-rectification. Don't forget a
section on the pghlogiston theory of heat transfer.

We must keep the hobby pure!

KC0ES (with tongue firmly in cheeck)

From -7081084102000146576
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Howard Coleman W6HQA <w6hqa@west.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/03
Message-ID: <336BCA79.CAEC6F93@west.net>#1/1
X-Deja-AN: 239187965
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<336B84F1.3502@delphi.com>
X-Priority: 3 (Normal)
Organization: West.Net Communications
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Cecil A. Moore wrote:
>
> olyellr@iglou.com wrote:
> > With all the tools available today to learn the code with,
> > it isn't that hard anyway. Mike L. ke4hlu
>
> Hi Mike, what about my friend with a commercial radio license,
> years of experience as a broadcast engineer, who spent hundreds
> of hours over 20 years and never got to 13wpm? Some otherwise
> normal people cannot learn 13wpm no matter how hard they try.
>
> 73, Cecil, W6RCA, OOTC

If your friend was able to pass the 5 wpm, then a waver may be possible based upon a learning disability. I do not mean that as a derogatory statement against your friend or any others that have tried and tried to obtain the 13 wpm. It is a foreign language and to some, learning a foreign language is an impossibility.

73 Howard W6HQA

```
From 1698657789286607l8
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: jeffreyh@Hawaii.Edu (Jeffrey Herman)
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/03
Message-ID: <5kgig2$87e@news.Hawaii.Edu>#1/1
X-Deja-AN: 239192729
References: <33236044.339E@kerrlake.com> <5h4k1l$je5@anomaly.ideamation.com>
<E9LAxL.BvE@iglou.com> <336B84F1.3502@delphi.com>
Followup-To: rec.radio.amateur.policy
Organization: University of Hawaii
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio


Cecil A. Moore <cecilmoore@delphi.com> wrote:
>olyellr@iglou.com wrote:
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>>  it isn't that hard anyway. Mike L.  ke4hlu

>Hi Mike, what about my friend with a commercial radio license,
>years of experience as a broadcast engineer, who spent hundreds
>of hours over 20 years and never got to 13wpm? Some otherwise
>normal people cannot learn 13wpm no matter how hard they try.

How about a medical waiver? Did you tell him that over 95% of the US
amateur spectrum is available via a code-free license?

I wanted to become a commercial airline pilot but couldn't pass the
FAA eye exam, so I chose another career. Maybe your friend should also
realize his limitations (especially after 20 years) and try persuing
another field of interest.

Followup directed to .policy,
Jeff KH2PZ




From 136632794243582155
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Tom Bean <muybean@worldnet.att.net>
```

Subject: Re: CW should die, not the "hobby"
Date: 1997/05/03
Message-ID: <336BE7F8.63D@worldnet.att.net>#1/1
X-Deja-AN: 239202720
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
Organization: myself
Reply-To: muybean@worldnet.att.net
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Joe Mama wrote:
>
> > Mike, you DON'T get it. We are not whining, we are making
> > the effort to eliminate code testing. The question is WHY
> > should anyone now be orced to learn morse code?
>
> No YOU don't get it! Why? BECAUSE IT IS A REQUIREMENT! You ARE whining. If
> you don't want to learn code then take your sorry ass back to channel 19.
> But just SHUT UP about it! You want to up-grade? Learn the code. Its that
> simple. You won't EVER get it changed. There are allot more of us than
> there are of you. Get it? Now, GO STUDY YOUR CODE!
>
> --... ...-- --..-- -.- ....- -..- .-
>
> For you no code losers thats: 73, K4XA

I've been lurking here as I have only just started studying for a
license, and the code is obviously controversial, however I haven't
found a post yet explaining w-h-y it is a requirement. It seems
there must be more of a reason than just "because". The analogies
offered seem a bit odd also ie., bad eyesight kept me from flying
so if you can't learn the code find a different hobby. (huh?)
If it is only an arbitrary requirement then why not require
fluency in French and the ability to do 200 push-ups?

Signed, a no code sorry ass loser for now <vbg>
--

Tom Bean
muybean@worldnet.att.net

"I fly because it releases my mind from the
tyranny of petty things."
Antoine de St-Exupery

From 6643540762467346128
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/03
Message-ID: <336C1232.638B@delphi.com>#1/1
X-Deja-AN: 239223222
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<336B84F1.3502@delphi.com> <5kg1fm$sea@dfw-ixnews12.ix.netcom.com>
Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

michael silva wrote:
> W-A-V-I-E-R Mike, KK6GM

Why should he get a waiver? There is absolutely nothing wrong
with him! The wrongness is in the Morse code testing requirement.

73, Cecil, W6RCA, OOTC

From -2503186538006904522
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/03
Message-ID: <336C1683.6EFA@delphi.com>#1/1
X-Deja-AN: 239224634
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<5kfg6g$ls1@jupiter.planet.net> <01bc5826$4a23e840$77029ace@graham.surfsouth.com>
<336BE7F8.63D@worldnet.att.net>
Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Tom Bean wrote:
> The analogies

> offered seem a bit odd also ie., bad eyesight kept me from flying
> so if you can't learn the code find a different hobby. (huh?)

Hi Tom, welcome to r.r.a.policy. If Morse code testing were eliminated, the hobby would be populated by RF electronic engineers and that would make all the electronically ignorant hams miserable. Morse code is their only claim to fame. If Morse code testing were eliminated, they would be the ones labeled "not real hams" and that feeling is eating them alive.

73, Cecil, W6RCA, OOTC

From -1616348851687214380
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Cecil A. Moore" <cecilmoore@delphi.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/03
Message-ID: <336C200E.6408@delphi.com>#1/1
X-Deja-AN: 239232117
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
<336B84F1.3502@delphi.com> <336BCA79.CAEC6F93@west.net>
Organization: Delphi Internet Services <http://www.delphi.com/>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Howard Coleman W6HQA wrote:
> If your friend was able to pass the 5 wpm, then a waver may be possible
> based upon a learning disability.

Dear Howard, he is not disabled. He is brilliant and learns faster than most. Can't anybody understand - there is nothing wrong with this guy. Most of us would be lucky to have a brain equal to his.

73, Cecil, W6RCA, OOTC

From -2450337246073317520
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public

X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Joe Mama" <up@yours.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/05/04
Message-ID: <01bc5824$ef161500$77029ace@graham.surfsouth.com>#1/1
X-Deja-AN: 239196109
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5h4k1l$je5@anomaly.ideamation.com> <E9LAxL.BvE@iglou.com>
Organization: Surf South, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

> Mike L. ke4hlu   (another 5wp tech....looking forward to passing the
> 13 next month)
>
GOOD FOR YOU MIKE! Keep up the good work OM!

Graham
K4XA
(30+ WPM Extra Class)

From -4300034275970970481
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "D.Arnold" <D.Arnold@primocomputers.com>
Subject: Re: CW should die, not the "hobby" was a "service"
Date: 1997/03/16
Message-ID: <332C827A.1BDE@primocomputers.com>#1/1
X-Deja-AN: 226022414
References: <33236044.339E@kerrlake.com>
<01bc310c$9c163180$0100a8c0@richv.nwlink.com> <01bc3143$14394a40$84f431cf@william-lee> <t5150E74IJo.44n@netcom.com> <5ggamo$ihq@news.Hawaii.Edu>
To: Jeffrey Herman <jeffreyh@Hawaii.Edu>
Organization: Datasync Internet
Reply-To: D.Arnold@primocomputers.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Jeffrey Herman wrote:
>
> William Lee (willee@inwave.com) wrote:
>
> : I am one who does not. I perfer the computer. Why not require all hams to
> : pass a computer test.... retroactive so that all the old CW operators (the

> : ones who support CW requirements) can get up to speed with modern
> : communication methods.
> : Does that follow current logic?
>
> Nope. We're members of the Amateur Radio Service, not the Amateur
> Computer Service.
> KH2PZ

WHY do we have CW...it is an operating MODE just like rtty/ssb/or atv
WHY should we learn it if WE dont want to...it does not help our
technical skills..i have operated in the hf band for years as a mars
operator to ships at sea an fixed land stations/ i have operated 10
meters all over the world as a NOVICE then a tech now a tech plus
I NEITHER WANT nor care to use the cw however atv/ssb/eme/meotor scatter
and 1.2ghz comm interest me..NOT CW which just another mode..and thats
all it should be..I am curretn building a MARS STATION with FULL ecomm
capability for the NAVY including downlinking real time satelite
info..every 10 mins. instead of the standard 20-60 mins you find on the
internet for my location (PASCAGOULA MS)...

AGAIN CW is just another mode..lets see that its stays there and doesnt
impeade further progress..I WILL NEVER UPGRADE BECAUSE OF THIS it is not
needed to operate on the higher band and i will not be there i get
around just fine without it thank YOU

DON ARNOLD KB5FHX/NNN0ESR

--
There are 5 boxes to Freedom: Ballot, Witness, Jury, Soap & Cartridge"

From 2924043602470457780
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: kd1hz@anomaly.ideamation.com (Michael P. Deignan)
Subject: Re: CW should die, not the "hobby" was a "service"
Date: 1997/03/16
Message-ID: <5gi4ij$d77@anomaly.ideamation.com>#1/1
X-Deja-AN: 226064369
References: <33236044.339E@kerrlake.com> <t5150E74IJo.44n@netcom.com>
<5ggamo$ihq@news.Hawaii.Edu> <332C827A.1BDE@primocomputers.com>
Organization: The Ace Tomato Company
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <332C827A.1BDE@primocomputers.com>, D.Arnold <D.Arnold@primocomputers.com> wrote:

>I NEITHER WANT nor care to use the cw however atv/ssb/eme/meotor scatter
>and 1.2ghz comm interest me..

In case you didn't know, you don't have to learn CW to use those modes.
You only need to learn CW if you intend to get on HF. Since 3 of the 4
modes you mention are restricted to VHF and above, that really shouldn't
be a matter of contention for you.

MD
--
-- Ted Kennedy has killed more people with his car than I have
-- with my guns.
--
-- If you don't like my opinions, that's just too damn bad.

From -3905819536147321531
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f4efa1126e211640
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,f4efa1126e211640
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,f4efa1126e211640
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10c349,f4efa1126e211640
X-Google-Attributes: gid10c349,public
X-Google-Thread: f64c6,f4efa1126e211640
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fa656,f4efa1126e211640
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114671,f4efa1126e211640
X-Google-Attributes: gid114671,public
From: hiphilip@news.hk.super.net (Lam Kwok Leung)
Subject: Re: Buying amateur gear in Hong Kong
Date: 1997/03/16
Message-ID: <5gh66t$hqq$1@tst.hk.super.net>#1/1
X-Deja-AN: 226371186
References: <3322916a.2743132@news.onaustralia.com.au>
Followup-To:
uk.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur,rec.ham-radio,aus.radio.amateur.misc,aus.radio
Organization: Hong Kong Supernet
Newsgroups:
uk.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur,rec.ham-radio,aus.radio.amateur.misc,aus.radio

David Fox (davidf@acay.com.au) wrote:
: I'll be in HK for business next week and was wondering about picking up
: some new gear -- Yaesu's FT-50R dual-band h/h is top of the list! :>

```
: Has anyone here bought gear in HK? Are the prices that much cheaper
: than at home (for me, home = Australia)? What shops can you recommend,
: which should I avoid?

: In short, are there any HK-savvy amateurs to help a first-timer from
: getting burnt?

: Thanks,

: df

: (ps. sorry for the cross-post but I wanted to make sure I got a good
: spread of fellow amateurs who may have 'been there, done that').

: David Fox
: (davidf@acay.com.au)

Hi Mr. Fox,

You may go to Apliu Street in Sham Shui Po (Kowloon) to have
a look... there are few shops selling radio equipment.

Hope this info. useful for you!

73
Philip Lam
(hiphilip@hk.super.net)



From 8769721787907851124
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,f4efa1126e211640
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c349,f4efa1126e211640
X-Google-Attributes: gid10c349,public
X-Google-Thread: 10c9e3,f4efa1126e211640
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,f4efa1126e211640
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114671,f4efa1126e211640
X-Google-Attributes: gid114671,public
X-Google-Thread: fa656,f4efa1126e211640
X-Google-Attributes: gidfa656,public
X-Google-Thread: f64c6,f4efa1126e211640
X-Google-Attributes: gidf64c6,public
From: bry@mnsinc.com (Brian Carling AF4K/G3XLQ)
Subject: Re: Buying amateur gear in Hong Kong
Date: 1997/03/17
Message-ID: <5gi966$nko@news1.mnsinc.com>#1/1
X-Deja-AN: 226067742
Distribution: inet
```

References: <3322916a.2743132@news.onaustralia.com.au>
<332b05c4.918733@news.dircon.co.uk>
Organization: GLOWBUGS
Reply-To: bry@mnsinc.com
Newsgroups:
uk.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur,rec.ham-radio,aus.radio.amateur.misc,aus.radio

ANTISPAMsteve100@dircon.co.uk (Steve) whistled a happy tune like:

|>On Sun, 09 Mar 1997 11:13:24 GMT, davidf@acay.com.au (David Fox)
|>wrote:

|>>Has anyone here bought gear in HK? Are the prices that much cheaper
|>>than at home (for me, home = Australia)? What shops can you recommend,
|>>which should I avoid?

|>Off topic ..... but the Canaries have some great cheap radios'

But STEVE - don't those radios have a problem with CHIRP??

(Ba-boom!! Couldn't resist!)

73 from Bry (((Amateur Radio G3XLQ / AF4K)))
http://www.mnsinc.com/bry/
E-mail: bry@mnsinc.com *** REMOVE ".NO_SPAM" to reply ***
Home of MEGALIST ham radio files, SWL info. etc. etc.
You MAY NOT use my email address for unsolicited Email!

From 6133414923254045268
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f4efa1126e211640
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,f4efa1126e211640
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,f4efa1126e211640
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10c349,f4efa1126e211640
X-Google-Attributes: gid10c349,public
X-Google-Thread: f64c6,f4efa1126e211640
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 114671,f4efa1126e211640
X-Google-Attributes: gid114671,public
X-Google-Thread: fa656,f4efa1126e211640
X-Google-Attributes: gidfa656,public
From: no.junk.mail@starbase.net (Walt Davidson)
Subject: Re: Buying amateur gear in Hong Kong
Date: 1997/03/17

```
Message-ID: <332dff59.820381@news.dial.pipex.com>#1/1
X-Deja-AN: 226134904
References: <3322916a.2743132@news.onaustralia.com.au>
<332b05c4.918733@news.dircon.co.uk> <5gi966$nko@news1.mnsinc.com>
Organization: home in Tewkesbury
Newsgroups:
uk.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amat
eur,rec.ham-radio,aus.radio.amateur.misc,aus.radio
```

bry@mnsinc.com (Brian Carling AF4K/G3XLQ) wrote:

```
>>Off topic ..... but the Canaries have some great cheap radios'
>
>But STEVE - don't those radios have a problem with CHIRP??
>
```

I don't know about that, but I have heard several reports of FLUTTER on
DX signals when using these sets.

;-)

73 de G3NYY

```
--
Walt Davidson                E-mail: walt.d@virgin.net
                                     walt@dial.pipex.com
                                     walt@enterprise.net
```

```
From -6632045143282033566
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "William Lee" <willee@inwave.com>
Subject: Re: CW should die, not the "hobby" was a "service"
Date: 1997/03/17
Message-ID: <01bc32ce$3dc7fe60$78f431cf@william-lee>#1/1
X-Deja-AN: 226159280
References: <33236044.339E@kerrlake.com>
<01bc310c$9c163180$0100a8c0@richv.nwlink.com> <01bc3143$14394a40$84f431cf@william-
lee> <t5150E74IJo.44n@netcom.com> <5ggamo$ihq@news.Hawaii.Edu>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
```

Jeffrey Herman <jeffreyh@Hawaii.Edu> wrote in article

<5ggamo$ihq@news.Hawaii.Edu>...
> William Lee (willee@inwave.com) wrote:
>
> : I am one who does not. I perfer the computer. Why not require all hams
to
> : pass a computer test.... retroactive so that all the old CW operators
(the
> : ones who support CW requirements) can get up to speed with modern
> : communication methods.
> : Does that follow current logic?
>
> Nope. We're members of the Amateur Radio Service, not the Amateur
> Computer Service.
> KH2PZ
>

It would be interesting to know how many processor chips you radio has in
it.
Did you build it or purchase it as an appliance? Can you maintain and
repair it?
Do you understand all the logic operating within the case?

That is why we are AMATEUR OPERATORS... using modern comm. equipment.

Not to belittle anyone, just stating the facts. (as I see them)

William Lee   N5WRX   (general class and proud of it)

From -8547300269737300556
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: kd1hz@anomaly.ideamation.com (Michael P. Deignan)
Subject: Re: CW should die, not the "hobby" was a "service"
Date: 1997/03/17
Message-ID: <5gjpj3$tl@anomaly.ideamation.com>#1/1
X-Deja-AN: 226212017
References: <33236044.339E@kerrlake.com> <t5150E74IJo.44n@netcom.com>
<5ggamo$ihq@news.Hawaii.Edu> <01bc32ce$3dc7fe60$78f431cf@william-lee>
Organization: The Ace Tomato Company
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <01bc32ce$3dc7fe60$78f431cf@william-lee>,
     William Lee <willee@inwave.com> wrote:

>It would be interesting to know how many processor chips you radio has in it.

My car has a computer in it too. Should I understand embedded machine code
programming before I can drive?

>Did you build it or purchase it as an appliance? Can you maintain and
>repair it?
>Do you understand all the logic operating within the case?

You're asking the wrong guy. Jeff builds all his QRP transceivers.

MD
--
-- Ted Kennedy has killed more people with his car than I have
-- with my guns.
--
-- If you don't like my opinions, that's just too damn bad.

From 6339328559066109189
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: t5150@netcom.com (Tom Fritz)
Subject: Re: CW should die, not the "hobby" was a "service"
Date: 1997/03/17
Message-ID: <t5150E776tA.C1I@netcom.com>#1/1
X-Deja-AN: 226216472
Sender: t5150@netcom9.netcom.com
References: <5ggamo$ihq@news.Hawaii.Edu> <01bc32ce$3dc7fe60$78f431cf@william-lee>
<5gjpj3$tl@anomaly.ideamation.com>
Organization: Netcom Online Communications Services (408-241-9760 login: guest)
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <5gjpj3$tl@anomaly.ideamation.com> kd1hz@anomaly.ideamation.com
(Michael P. Deignan) writes:
>In article <01bc32ce$3dc7fe60$78f431cf@william-lee>,
> William Lee <willee@inwave.com> wrote:
>
>>It would be interesting to know how many processor chips you radio has in it.
>
>My car has a computer in it too. Should I understand embedded machine code
>programming before I can drive?
<snip>

Using that argument...
Are you saying that someone should not learn code, to use a store bought
Ham radio?

From -7107765307964344041
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Krin135@AOL.com (Charles S. Krin, DO FAAFP)
Subject: Re: CW should die, not the "hobby" was a "service"
Date: 1997/03/17
Message-ID: <332d7cd6.328676471@news.iamerica.net>#1/1
X-Deja-AN: 226327027
References: <33236044.339E@kerrlake.com> <33261465.3E4@ameritech.net>
<01bc310c$9c163180$0100a8c0@richv.nwlink.com>
Organization: LDS I-America
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

"Richard Van Fossan" <richv@nwlink.com> wrote:

>I really have to agree here. I can transmit information at 56KBaud using an
>ordinary telephone voice line. Why is it illegal to do exactly the same
>using an HF channel? Or a 900 MHz rig?
>
snip

last I looked, it's not practical "at this time" to run high speeds on HF "because it takes too much bandwidth." Don't know my self, because I'm only just getting into VHF/UHF packet, and sticking to 9600 baud.

I would suspect that if you could find someone to work with, that 56K would not be unlawful on the UHF/SHF freqs, just difficult- afterall, the Bit error rate would add up due to multipathing unless you were working dish to dish LOS like the "big boys" do.

IIRC, even 45 "baud" Baudot communications is substantially faster than the best Morse work- and there are folks working 1200 on HF freqs at this time- what does this tell you about the Morse masters?

How about more on antennas and "engineering" as well as "good practices" in the written testing- or a practical test- set up a Field Day station and complete a voice contact...

I am a member of the ARRL, but seem to have missed getting one of the surveys- I guess that I will just have to write in- code is OK if there is nothing else, but pitifully slow for anything. I don't mind having to learn some for "Treaty" requirements, but would like to see it required for relicensure- eg fine, you want to save parts of the HF bands for our code work, you have to re qualify at your stated speed every time you renew your license.

In the mean time, change the FCC requirments to match those of the
WARC treaty currently in effect.

ck

Charles S. Krin, DO FAAFP
Krin135@AOL.com KC5EVN
"Reckless, Hell! I hit jus' where I was aimin'"
   "Bubba Shot the Jukebox!" Mark Chestnut, 1995

From 2367580276112411228
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: js@ibbs.av.org (Jeff Stillinger)
Subject: Re: CW should die, not the "hobby" was a "service"
Date: 1997/03/18
Message-ID: <45@ibbs.av.org>#1/1
X-Deja-AN: 226351080
References: <33236044.339E@kerrlake.com> <33261465.3E4@ameritech.net>
<01bc310c$9c163180$0100a8c0@richv.nwlink.com> <01bc3143$14394a40$84f431cf@william-
lee><t5150E74IJo.44n@netcom.com>
Reply-To: js@ibbs.av.org (Jeff Stillinger)
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <t5150E74IJo.44n@netcom.com>, Tom Fritz (t5150@netcom.com) writes:
>William Lee (willee@inwave.com) wrote:
>
>: I am one who does not. I perfer the computer. Why not require all hams to
>: pass a computer test.... retroactive so that all the old CW operators (the
>: ones who support CW requirements) can get up to speed with modern
>: communication methods.
>
>: Does that follow current logic?
>
>: William Lee
>
>William,
>Remember, it is not new technolog, but stuff left over from greek
>ideas - concepts. Just like airplanes... they ain't new, heck the
>first cave man had the basic idea... and kitty hawk does not mean
>anything.
>

>--tlf
>

As I was doing one of those hour and a half drives down the road again, I got to thinking deeply about no code. At first I thought to myself, I had to go though it. So shutup and pay ones dues. Then a wave of thought hit me. This happens so little these days. Can amateur radio learn from the military. After all the military learned from us a few times in our history.

I came up with the thought what about "time in grade". Im due for promotion soon, I think thats why I was thinking about it. Someone would take a test. Not just any test but a REAL test. Leave the answers locked up until gradeing time type of test. Cover many of the same topics covered now, with some added topics such as packet radio.

The first test for a novice license would be 125 questions. 100 would be multiple guess, 25 would be draw the schematic symbols type of thing. Draw a simple RCL or full wave bridge. A score of 70% on the 25 question part would be required to pass. A score of 75% would be required to pass the multiple choice part. The novice license would be automaticlly upgraded to Tech after 24 months (2 years). The Tech license will expire 5 years after issue should one not be able to upgrade. If one can not upgrade, one will have to retest for a novice class license again. Failure to upgrade to general would "loop" a person in this process. The current band plan will remain in effect for each license.

The second test would be for general class. It would be 200 questions of a more complex nature. 150 questions will be multiple choice and 50 questions will be "fill in the blank". A score of 80% would be required to pass the multiple choice, a score of 85% would be required to pass the "fill in the blank". questions. The general class license would be upgraded automaticlly after 24 months (2 years) to advanced. The general/advanced license does not expire. Once advanced is awarded it will be good for life. Again, the current band plan will remain in effect.

The third test would be for extra class. Extra class will be the people that issue the tests. This test would be geared towrds the testing aspect and would be 50 multiple choice questions. A passing score will be 95%. Again, the current band plan will remain in effect.

- Study material for each test will be FCC issued. To obtain the materials a letter of request will be required.

- Study material for each test will fall under the standard government test compromise rules. In short, one is bound not to say what was in or on the test or study material.

- A CDROM will be issued to each testing group. This CDROM will have the question pool for each test. A program that will randomly select each question for each test will be used.

Just tossing some ideas around. More like passing time as I drove from eddies hole to L.A. for a taste of real life agian. I really like the time in grade license upgrade idea. That way everyone gets a shot at all of the bands in a very short time. Same as now, the faster one passes the tests the faster the upgrade. But, if someone is challenged in the brain department one can still have a shot at being a ham.

From -8071662654530479268
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92a694908e04a40b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,92a694908e04a40b
X-Google-Attributes: gid10bf43,public
From: "Michael A. Rutkaus" <resume@mnsinc.com>
Subject: Re: Ham Radio: Death bed and gasping
Date: 1997/03/18
Message-ID: <332F131D.1864@mnsinc.com>#1/1
X-Deja-AN: 226559798
Distribution: inet
References: <33195106.4079@kerrlake.com> <331F894F.41D8@flinet.com>
<3322BEC5.A4@primocomputers.com> <33213CB1.314E@kerrlake.com>
<5ga18d$n8i@news.montanavision.net>
Organization: A Better R�sum�
Reply-To: resume@mnsinc.com
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

Well, who's going to communicate during a real disaster when the cell phone sites are blasted away by nature or man and the phone lines are down? Who's going to have the wherewithall to quickly rebuilt a communications network, put up new antennas, work from solar, generators or battery within a few hours...

I can't think of anyone else but hams. CB'ers perhaps locally for a few miles, maybe, but "REAL" communications....

Mike
K4QET

From -3176532589956047369
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: jeffreyh@Hawaii.Edu (Jeffrey Herman)
Subject: Re: CW should die, not the "hobby" was a "service"
Date: 1997/03/18
Message-ID: <5glbp7$mvp@news.Hawaii.Edu>#1/1
X-Deja-AN: 226670254
References: <33236044.339E@kerrlake.com> <t5150E74IJo.44n@netcom.com>
<5ggamo$ihq@news.Hawaii.Edu> <01bc32ce$3dc7fe60$78f431cf@william-lee>
Organization: University of Hawaii
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

William Lee <willee@inwave.com> wrote:
>Jeffrey Herman <jeffreyh@Hawaii.Edu> wrote in article
><5ggamo$ihq@news.Hawaii.Edu>...
>> William Lee (willee@inwave.com) wrote:

>> : I am one who does not. I perfer the computer. Why not require all hams
>to
>> : pass a computer test.... retroactive so that all the old CW operators
>(the
>> : ones who support CW requirements) can get up to speed with modern
>> : communication methods.
>> : Does that follow current logic?

>> Nope. We're members of the Amateur Radio Service, not the Amateur
>> Computer Service.

>It would be interesting to know how many processor chips you radio has in
>it.

None.

>Did you build it or purchase it as an appliance?

More than half my transmitters were built myself from scratch. A favorite pastime of mine is stripping old TV sets and using the components for home-built transmitters.*

>Can you maintain and repair it?

Since I built them from scratch I can certainly maintain and repair them.

>Do you understand all the logic operating within the case?

Most of them don't have a case - just an open chassis. Great conversation pieces! Heck, some are mounted on pieces of wood with copper tacks as solder joints. When I get on the air the other op can't tell if it's

one of your microprocessor-controlled rigs or a breadboard rig (except
the VFO does a little jump if you cough too hard on it).

>That is why we are AMATEUR OPERATORS... using modern comm. equipment.

Oh, I see (or as Jim would say, "O, I C"). I'll pit your modern comm
equipment against anything I've built. Bet they will sound the same
on the air.

>Not to belittle anyone, just stating the facts. (as I see them)

Okay.

>William Lee N5WRX   (general class and proud of it)

73,
Jeff KH2PZ

*Those not built from scratch consist of an HW-16 which I'm rebuilding
due to bad assembly by it's original builder, and a Galaxy GT-550 which
is easy to maintain and repair.

From -5308198627164746381
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Charlie Warfield, Jr." <charlie66@ameritech.net>
Subject: Re: CW should die, not the "hobby" was a "service"
Date: 1997/03/19
Message-ID: <33308AE8.59D0@ameritech.net>#1/1
X-Deja-AN: 226920155
References: <33236044.339E@kerrlake.com> <t5150E74IJo.44n@netcom.com>
<5ggamo$ihq@news.Hawaii.Edu> <01bc32ce$3dc7fe60$78f431cf@william-lee>
<5glbp7$mvp@news.Hawaii.Edu> <01bc3479$893a0760$c8c1e1ce@cstevens.usr.com>
To: "Carl R. Stevenson" <carl@ais.net>
Organization: Ameritech Interactive Media Services, Inc.
Reply-To: charlie66@ameritech.net
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Carl R. Stevenson wrote:
>
> So you only build completely stupid equipment that depends
> entirely on "operator skill" ... that's quaint, but it sure doesn't
> do much for advancing any skills ... once you've learned how
> to solder well and stuff parts on a board, there's not a hell of
> a lot of "advanced" things to be done with simple a simple CW

> transmitter.

Oh how I agree! The pro-code geezers are trying to defend a 100+ year old communications medium under the guise of "skill". Big flipping deal! Knowing how to build a CW transmitter is like knowing how to build a steam engine: It does require skill and practice, and probably has some practical value, but how often is it really needed or desired in the real world?

I also deeply resent the sentiment that proponents of modern equipment and modes don't know anything. I'll bet I know more about this computer than the best CW operator knows about CW. And I can communicate millions of times faster and more efficiently to boot.

Yeesh! I think the "coders" realize it is the 90's, we just have to convince them it's the 1990's. I wonder how many of them ride a horse to work everyday because it requires more "skill" than passively sitting there with your hands on a wheel and pushing some pedals with your feet.
No biggie. Just my opinion.

73
Charlie

From -2926231213175626070
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <carl@ais.net>
Subject: Re: CW should die, not the "hobby" was a "service"
Date: 1997/03/19
Message-ID: <01bc3479$893a0760$c8c1e1ce@cstevens.usr.com>#1/1
X-Deja-AN: 226937369
References: <33236044.339E@kerrlake.com> <t5150E74IJo.44n@netcom.com> <5ggamo$ihq@news.Hawaii.Edu> <01bc32ce$3dc7fe60$78f431cf@william-lee> <5glbp7$mvp@news.Hawaii.Edu>
Organization: organization? I never said I was organized!
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

-----BEGIN PGP SIGNED MESSAGE-----

Jeffrey Herman <jeffreyh@Hawaii.Edu> wrote in article
<5glbp7$mvp@news.Hawaii.Edu>...
> William Lee <willee@inwave.com> wrote:
>
> >It would be interesting to know how many processor chips you radio has

in
> >it.
>
> None.

So you only build completely stupid equipment that depends
entirely on "operator skill" ... that's quaint, but it sure doesn't
do much for advancing any skills ... once you've learned how
to solder well and stuff parts on a board, there's not a hell of
a lot of "advanced" things to be done with simple a simple CW
transmitter.

> >Did you build it or purchase it as an appliance?
>
> More than half my transmitters were built myself from scratch. A favorite

> pastime of mine is stripping old TV sets and using the components for
home-
> built transmitters.*

Again, it appears that you only build simple transmitter strips ...
now that's fine, but without a receiver you're sort of wasting
your time, right?

As has been pointed out, receivers are generally more tricky
than simple CW transmitters ... however, just as it's no big leap
to go from an OOK Morse tx to an FSK tx and pick up at least
6 dB of improvement in the process, it's not a huge leap to go from
a receiver that's capable of receiving OOK Morse to one that's
capable of demodulating a bit stream from that FSK signal, either.

I find it very difficult to understand why you beepers maintain that
there's such a huge advantage in "maintaining the simplicity of CW"
when the simplicity is virtually nonexistant relative to much better
methods ... the only difference of any *real* significance is that
beepers insist on keeping a part of the signal processing in one's
head, instead of relegating such menial chores to a simple machine
that can do a much better job ...

> >Can you maintain and repair it?
>
> Since I built them from scratch I can certainly maintain and repair them.

In this respect, I have to "give the devil his due" and admit that you're
head
and shoulders above Mr. "Put it in a box and send it back to Yaesu" (Mike
D.)

> >Do you understand all the logic operating within the case?
>
> Most of them don't have a case - just an open chassis. Great conversation
> pieces! Heck, some are mounted on pieces of wood with copper tacks as
> solder joints. When I get on the air the other op can't tell if it's

> one of your microprocessor-controlled rigs or a breadboard rig (except
> the VFO does a little jump if you cough too hard on it).

So there's essentially no shielding and the oscillator is a tad microphonic.
As the "Church Lady" (of Saturday Night Live fame) would have said, "Well isn't *that* _special_."

I guess that's to be expected when one insists on such "low tech" methods (hint ... the poor connections that likely result from "copper tacks as solder joints" can be a significant source of non-linear distortion, and may cause interference problems ... beware)

It is a bit sad and discouraging, however, that you insist on proliferating such marginal techniques to newcomers who don't know any better when you tell them (and it appears that *you* sincerely believe your own falsehoods) that "this is great stuff!"

Carl - wa6vse
carl@ais.net

-----BEGIN PGP SIGNATURE-----
Version: 4.5

iQCVAwUBMzAE7eIP1XFmaCFVAQEdXgQArQou0q+5Cvfhf4iws4mDSZcIQi/1jZPr
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M92tfA5+0uFI+2MwQgRiVSM3/aAlP9WTH9sNDNpi4M4zyp1oAww8VW9zc/X40B+E
f2n/BXrhDBc=
=tRSc
-----END PGP SIGNATURE-----

From -2002967527469740984
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fc734,8107f415f0f86aeb
X-Google-Attributes: gidfc734,public
X-Google-Thread: 10c9e3,8107f415f0f86aeb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,8107f415f0f86aeb
X-Google-Attributes: gid107ada,public
X-Google-Thread: 115af6,8107f415f0f86aeb
X-Google-Attributes: gid115af6,public
X-Google-Thread: f76e2,8107f415f0f86aeb
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,8107f415f0f86aeb
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108122,8107f415f0f86aeb
X-Google-Attributes: gid108122,public

```
X-Google-Thread: 114a57,8107f415f0f86aeb
X-Google-Attributes: gid114a57,public
From: Demolition Man <nospam.demoman@rollanet.org>
Subject: Re: WTB: Icom IC 706
Date: 1997/03/19
Message-ID: <33305CAA.4F14@rollanet.org>#1/1
X-Deja-AN: 226942004
References: <01bc3170$78a66440$470d85ce@tower>
Organization: FLASH Security
Reply-To: http://www.rollanet.org/~demoman/
Newsgroups: alt.ham-radio.hf,alt.ham-radio.ssb,rec.ham-radio,rec.ham-
radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amate
ur.misc,rec.radio.amateur.swap,rec.radio.swap


sean wrote:
>
> I am looking for a used Icom IC706 for a resonable price. If you have one
> or know someone who does that wants to sell please let me know.
>
i have one myself and probably would never sell it.  great mobile radio
for my usess.  hope you can find someone willing to part with their's.
;-)

--
A.C.Curtis
KB0WLF

mailto:demoman@rollanet.org
http://www.rollanet.org/~demoman/



From 1814948590075925452
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "William Lee" <willee@inwave.com>
Subject: Re: CW should die, not the "hobby"
Date: 1997/03/20
Message-ID: <01bc34c6$3b3db500$12f431cf@william-lee>#1/1
X-Deja-AN: 226836442
References: <33236044.339E@kerrlake.com> <33261465.3E4@ameritech.net>
<01bc2ef9$7c74e020$d2c1e1ce@cstevens.usr.com> <332AF3DB.371C@rollanet.org>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio



Why not let those who like CW keep it.
```

A CW class ticket would permit the operator to work CW in the CW parts of the bands.

A no code ticket would not permit use of the CW portion ot the bands.

This really seems fair to me, but then who am I?

Is it true that during disasters thr FCC is asked to permit voice operation in the CW portions of the bands?

William Lee   N5WRX

From -3742314423591662322
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: andy@tiedye.com (The Tie-Dyed Side of the Force)
Subject: Re: CW should die, not the "hobby"
Date: 1997/03/20
Message-ID: <5gqbeg$ccu@masters0.InterNex.Net>#1/1
X-Deja-AN: 226878211
References: <33236044.339E@kerrlake.com> <33261465.3E4@ameritech.net>
<01bc2ef9$7c74e020$d2c1e1ce@cstevens.usr.com> <332AF3DB.371C@rollanet.org>
<01bc34c6$3b3db500$12f431cf@william-lee>
Organization: InterNex Information Services 1-800-595-3333
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <01bc34c6$3b3db500$12f431cf@william-lee>,
   "William Lee" <willee@inwave.com> wrote:

>
> Why not let those who like CW keep it.

Seems reasonable to me.

> A CW class ticket would permit the operator to work CW in the CW parts of
> the bands.
>
> A no code ticket would not permit use of the CW portion ot the bands.
>
> This really seems fair to me, but then who am I?

It would be an improvement on the current system, but the restriction itself seems unnecessary. If only CW operation is permitted in a subband, then you have to know Morse Code to operate there. The only purpose a test would serve would be to keep slow-coders from operating CW.

From 2131911648892645655
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: cbrown@emry.net (Charlie Brown)
Subject: Re: CW should die, not the "hobby" was a "service"
Date: 1997/03/20
Message-ID: <E7BnsI.13v@eskimo.com>#1/1
X-Deja-AN: 226887676
Sender: news@eskimo.com (News User Id)
X-Nntp-Posting-Host: ppp10.emry.net
References: <33236044.339E@kerrlake.com> <33261465.3E4@ameritech.net>
<01bc2ef9$7c74e020$d2c1e1ce@cstevens.usr.com> <332AF3DB.371C@rollanet.org>
Organization: Eskimo North (206) For-Ever
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

CW is a part of ham radio and should always be. I know it kept me from getting into the hobbie for most of my life because I didn't think I could learn code, but if the truth be known, I was probably like 99% of the people who are for no-code---lazy. Once I made up my mind to work at learning code it was surprisingly easier than I thought, but it did take determination to keep at it every night if for only a few minutes. Well, I started this quest in March of 1991 and by November I had my Extra ticket. If I can do it anyone can. It had an extra benifit, because when I decided to learn to fly I discovered that each airport has a three letter identifying beacon and it's in morse code; my instructor was impressed. KG7TV
Demolition Man <nospam.demoman@rollanet.org> wrote:

```
>> > For the record, I am a ham & got my ticket long before no-code, so I'm
>> > not playing sour grapes here.
>> >
>> > No biggie. Just my opinion.
>> >
>> > Charlie
>>
>> Well said, Charlie!  Now get ready to duck when the pro-coders hurl
>> insults, flames, and all sorts of vilifications at you.
>>
>hmmm.  i seem to recall that i responded as a pro-code to his post
>without any of the above stated negatives. read back a few, you make
>yourself sound close-minded which is what you are trying to imply about
>pro-coders below.  \/
>
```

```
>> Please don't give up, though ... keep voicing your opinion and try to
>> corner your local CW olde fartz and convince them ... you'll fail to reach
>> most, because they're incapable of flexibility and rational thinking on
>> the subject, but occasionally you'll gain a convert and that's worth the
>> effort.
>>
>now that paragraph is a flame.  you warn that procoders are 'going' to
>do
>what you have already done.  cw is not my preferred mode of
>communicating
>but i do feel it is and will always be an integral part of
>communications.
>the no-code ticket did alot to open ham radio to those not interested in
>cw.
>many delve into the code and upgrade because their club displays a
>positive
>attitude toward the code and the incentive idea.  rather than treating
>it
>as an impossible obstacle, it's shown to be a fun and still useful part
>of
>radio.  there is a way thru the code!  i'm 29 and went from no ticket to
>general class at one test session with 10 days to learn the code.  i did
>it
>because i really, really, wanted it!  so i did what was required to
>reach it.
>if the code is gone when i go to get my adv/extra ticket that is
>wonderful,
>if not, then i will be ready for it.
>--
>A.C.Curtis
>KB0WLF
>Missouri's multicast repeater: 6m, 70cm, *10m, *ATV
>mailto:demoman@rollanet.org
>http://www.rollanet.org/~demoman/
```

```
From -4912367045181988939
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fc734,8107f415f0f86aeb
X-Google-Attributes: gidfc734,public
X-Google-Thread: 10c9e3,8107f415f0f86aeb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,8107f415f0f86aeb
X-Google-Attributes: gid108122,public
X-Google-Thread: 115af6,8107f415f0f86aeb
X-Google-Attributes: gid115af6,public
X-Google-Thread: f76e2,8107f415f0f86aeb
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,8107f415f0f86aeb
X-Google-Attributes: gidfa656,public
```

```
X-Google-Thread: 114a57,8107f415f0f86aeb
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,8107f415f0f86aeb
X-Google-Attributes: gid107ada,public
From: "Steve" <sllb@earthlink.net>
Subject: Re: WTB: Icom IC 706
Date: 1997/03/21
Message-ID: <01bc35a8$b8cf4320$1ff12399@default>#1/1
X-Deja-AN: 227165736
References: <01bc3170$78a66440$470d85ce@tower> <33305CAA.4F14@rollanet.org>
Organization: Earthlink Network, Inc.
Newsgroups: alt.ham-radio.hf,alt.ham-radio.ssb,rec.ham-radio,rec.ham-
radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amate
ur.misc,rec.radio.amateur.swap,rec.radio.swap



--

Demolition Man <nospam.demoman@rollanet.org> wrote in article
<33305CAA.4F14@rollanet.org>...
> sean wrote:
> >
> > I am looking for a used Icom IC706 for a resonable price. If you have
one
> > or know someone who does that wants to sell please let me know.
> >
> i have one myself and probably would never sell it.  great mobile radio
> for my usess.  hope you can find someone willing to part with their's.
> ;-)
>
> --
> A.C.Curtis
> KB0WLF
>   Is this guy kidding?? Theres several 706s for sale every week on here!!
> mailto:demoman@rollanet.org
> http://www.rollanet.org/~demoman/
>



From 4827505249208975912
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Evil Burrito <burrito@mc.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/03/21
Message-ID: <33327A55.2E4F@mc.net>#1/1
```

X-Deja-AN: 227261979
References: <33236044.339E@kerrlake.com> <33261465.3E4@ameritech.net>
<01bc2ef9$7c74e020$d2c1e1ce@cstevens.usr.com> <332AF3DB.371C@rollanet.org>
<01bc34c6$3b3db500$12f431cf@william-lee> <5gqbeg$ccu@masters0.InterNex.Net>
Organization: Evil Burrito's Flying Circus
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

I just happened to be passing by, and noticed this thread... Permit me (an old ex-ham) to share my one thought with you guys...

I happened upon a recent vintage ham a little while ago, who proudly showed me his hand held two meter transciever; punching all the neat little buttons... explaining about how he could punch up the repeater and dial up a sattelite, and all sorts of wonderful stuff I didn't really feel too interested in... He did this for me because I had told him that I had been a ham...

So, whatta 'ya think? he asked.

I told him that it all resembled a cell phone, was my reply.

Where's the magic, anymore? Where's the thrill of hassling with a drifting receiver and a cranky transmitter.... Where's the challenge of trying to sort out a weak cw signal from Portugal, beneath all the clutter of 50 other guys, all trying to butt in, or whatever else they're doing? Where's the pride in having your own fist, or being able to recognise a buddy's... without hearing his call sign???

No smell of hot phenolic and wax capacitors. or the trhill of late nights, illuminated by the dim purple glow of my old final amps, pulsing to the rythym of my unspoken words...

Nah, I couldn't get too interested in this new stuff... there's just not enough romance in it for me...

Thanks for listening, anyway...

K9WVQ, ret.

From -2794259145271464170
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: lar01@sprynet.com (larry)
Subject: Re: CW should die, not the "hobby"
Date: 1997/03/23

Message-ID: <3335a202.25772406@news.sprynet.com>#1/1
X-Deja-AN: 227762488
References: <33236044.339E@kerrlake.com> <33261465.3E4@ameritech.net>
<01bc2ef9$7c74e020$d2c1e1ce@cstevens.usr.com> <332AF3DB.371C@rollanet.org>
<01bc34c6$3b3db500$12f431cf@william-lee>
Organization: Sprynet News Service
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

On 20 Mar 1997 00:38:09 GMT, "William Lee" <willee@inwave.com> wrote:

>
>Why not let those who like CW keep it.
>
>A CW class ticket would permit the operator to work CW in the CW parts of
>the bands.
>
>A no code ticket would not permit use of the CW portion ot the bands.
>
>This really seems fair to me, but then who am I?
>
>Is it true that during disasters thr FCC is asked to permit voice operation
>in the CW portions of the bands?
>
>William Lee   N5WRX

I hear where you are coming from, but, who is going to volunteer to
learn the mose code.
People don't, usually, appreciate the value behind learning the morse
code until they have used it for some time.
I haven't used the code since the mid 70's yet I praise the day I
started learning it. During the time I did use it, it served me very
well.
Larry ve3fxq

From 7486526593403095085
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <carl@ais.net>
Subject: Re: CW should die, not the "hobby"
Date: 1997/03/23
Message-ID: <01bc37bd$06503e40$97c1e1ce@carl.ais.net>#1/1
X-Deja-AN: 227771983
References: <33236044.339E@kerrlake.com> <33261465.3E4@ameritech.net>
<01bc2ef9$7c74e020$d2c1e1ce@cstevens.usr.com> <332AF3DB.371C@rollanet.org>
<01bc34c6$3b3db500$12f431cf@william-lee> <3335a202.25772406@news.sprynet.com>

Organization: organization? I never said I was organized!
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

-----BEGIN PGP SIGNED MESSAGE-----

larry <lar01@sprynet.com> wrote in article
<3335a202.25772406@news.sprynet.com>...

> I hear where you are coming from, but, who is going to volunteer to
> learn the mose code.

Very few, but that's not a reason to force everyone ...

> People don't, usually, appreciate the value behind learning the morse
> code until they have used it for some time.

Most of us who did invest large amounts of time and effort learning the code, still do not see any value ... even many who actually profess that they regularly use and enjoy Morse, feel that forcing it on everyone is a bad idea, given the state of ham radio and the technical situation relative to today's *real* world.

> I haven't used the code since the mid 70's yet I praise the day I
> started learning it.

So, by God, everybody has to learn it because *you* think it was a good thing for you?

Sounds much more like "I had to do it, so so do you!"

During the time I did use it, it served me very well.

During the time I used it, code never served me very well.
It was slow, inefficient, frustrating, and very limiting ... not something I wanted to continue to use.

Now I know that some pro-code zealot will come along and try to throw out a bunch of insults, saying that "I was too lazy to learn the code right" or something, but I don't carl ... that's all just a pile of crap. There is NO valid reason in today's world to force everyone to learn Morse in order to gain access to totally unrelated HF priveleges ... therefore it's nothing more than a hazing ritual and goverment licensing schemes should not be centered around the maintenance of the hazing rituals prescribed by the Archaic Retro Radio Luddites.

Carl - wa6vse
carl@ais.net

-----BEGIN PGP SIGNATURE-----
Version: 4.5

iQCVAwUBMzV+r+IP1XFmaCFVAQE4KQP/fpWZAvM4qB/XBoBViF6KGx08CEA92Tqu
CesF+XiyVmztqbRlam+x2XSuaI2SSr7L6Pt9lB5ry5R+bQkXVaHKTG6a8VxgR8Xx
d9TtpoL/7Pl5lxAJiIgzyDV+gGGkAtRhFYSDK4IwkVwfMDFFyh0GkAA+TIHWl8kR
vSeVdz03/us=
=zsj5
-----END PGP SIGNATURE-----

From 3601925263313989965
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: kd1hz@anomaly.ideamation.com (Michael P. Deignan)
Subject: Re: CW should die, not the "hobby"
Date: 1997/03/23
Message-ID: <5h4k1l$je5@anomaly.ideamation.com>#1/1
X-Deja-AN: 227854493
References: <33236044.339E@kerrlake.com> <01bc34c6$3b3db500$12f431cf@william-lee>
<3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
Organization: The Ace Tomato Company
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <01bc37bd$06503e40$97c1e1ce@carl.ais.net>,
Carl R. Stevenson <carl@ais.net> wrote:

>> People don't, usually, appreciate the value behind learning the morse
>> code until they have used it for some time.
>
>Most of us who did invest large amounts of time and effort learning
>the code, still do not see any value

Ah, so now the truth starts to shine its ugly head.

Carl invested "large amounts of time and effort learning the code".

Yet, Carl is a 5WPM, coded tech.

Thus, we now know why Carl never upgraded. Code doesn't come
easily to him. It requires a great deal of effort for him to
learn.

So, rather than put the effort in, Carl has remained a coded
tech for 20+ years.

Now, he wants to eliminate the code so he can "upgrade". In
other words, its that typical welfare-state mentality. Carl
wants something for nothing.

MD
--
-- Ted Kennedy has killed more people with his car than I have
-- with my guns.
--
-- If you don't like my opinions, that's just too damn bad.

From 7988448618439108017
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c718def9cd4041b2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc734,c718def9cd4041b2
X-Google-Attributes: gidfc734,public
X-Google-Thread: 108122,c718def9cd4041b2
X-Google-Attributes: gid108122,public
X-Google-Thread: 115af6,c718def9cd4041b2
X-Google-Attributes: gid115af6,public
X-Google-Thread: fb049,c718def9cd4041b2
X-Google-Attributes: gidfb049,public
X-Google-Thread: 101046,c718def9cd4041b2
X-Google-Attributes: gid101046,public
X-Google-Thread: fa656,c718def9cd4041b2
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,c718def9cd4041b2
X-Google-Attributes: gidf76e2,public
From: Allen Tucholski <allent@en.com>
Subject: FS 10 ohm Mil spec / 55 watt resistors (65 cents each)
Date: 1997/03/23
Message-ID: <3335F439.20F7@en.com>#1/1
X-Deja-AN: 227864136
References: <01bc37e0$03e9fec0$7e0d85ce@laptop>
Organization: Exchange Network Services
Newsgroups: alt.ham-radio.ssb,alt.ham-radio.vhf-uhf,alt.radio,rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

Hello all,

I have large inventory of (NEW) TRW Type FRW -22 Flat wire wound 10 ohm
resistors @ 55watts.
These resistors are 3.5 inches long, 1 inch wide, 1/4 inch thick. They mount in
the horizontal position using
the pre assembled shaft thru the middle and standoffs that accept two #8 or #10

screws.
The resistor mounts 1/2 inch above the chassis.
These are Mil spec vitreous enameled units of very high quality.
Put them in series or parallel for many applications.

65 cents each, plus a small fee for shipping via US mail.

Let me know how many you need.

Allen

From 4339865561194724387
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fc734,c718def9cd4041b2
X-Google-Attributes: gidfc734,public
X-Google-Thread: 10c9e3,c718def9cd4041b2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,c718def9cd4041b2
X-Google-Attributes: gid108122,public
X-Google-Thread: fb049,c718def9cd4041b2
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa656,c718def9cd4041b2
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,c718def9cd4041b2
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 115af6,c718def9cd4041b2
X-Google-Attributes: gid115af6,public
X-Google-Thread: 101046,c718def9cd4041b2
X-Google-Attributes: gid101046,public
From: William W Janssen <billj@9calweb.com>
Subject: Re: FS 10 ohm Mil spec / 55 watt resistors (65 cents each)
Date: 1997/03/24
Message-ID: <5h6bo7$jtf$1@news.calweb.com>#1/1
X-Deja-AN: 228001093
References: <01bc37e0$03e9fec0$7e0d85ce@laptop> <3335F439.20F7@en.com>
To: allent@en.com
Organization: CalWeb Internet Services, Inc.
Newsgroups: alt.ham-radio.ssb,alt.ham-radio.vhf-uhf,alt.radio,rec.ham-radio,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap
NNTP-Posting-User: account=billj

Try posting this in the "metalworking newsgroup" they might be
useable for the builders of electric discharge machining
devices.

Bill K7NOM

From -6199133606852862380
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6329b5e3538313c1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,6329b5e3538313c1,start
X-Google-Attributes: gid107ada,public
From: Kaspar Pritchett <nobody@methane.ml.org>
Subject: Ham Radio Discussion List
Date: 1997/03/24
Message-ID: <33374079.7F22@methane.ml.org>#1/1
X-Deja-AN: 228125318
Organization: KS4OS
Newsgroups: rec.ham-radio,rec.radio.amateur.misc

A new -moderated- ham radio discussion e-mail list has been formed. If you are interested in subscribing, send e-mail to "ks4os.qso@bigfoot.com" with nothing but the word "subscribe" in the SUBJECT line. (Not the body, as opposed to mailing lists on listservers.)

This list will forward no personal insults, advertisements, off-topic comments, or profanity.

From 7527813565942522839
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,282d2e1e5ea157e3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10e8ad,282d2e1e5ea157e3,start
X-Google-Attributes: gid10e8ad,public
X-Google-Thread: f64c6,282d2e1e5ea157e3,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 114671,282d2e1e5ea157e3,start
X-Google-Attributes: gid114671,public
From: ve7vdx@dowco.com (Scott Leaf)
Subject: Analog (Voice) Satellite Frequencies FAQ
Date: 1997/03/24
Message-ID: <ve7vdx-2403972146250001@cqtlm-ppp075.dowco.com>#1/1
X-Deja-AN: 228155293
Organization: Consolidated Leaf International Inc.
Newsgroups:
aus.radio.amateur.misc,uk.radio.amateur,rec.radio.amateur.space,rec.ham-radio

```
Amateur Analog (Voice) Satellite Frequencies as of March 24, 1997
-----------------------------------------------------------------
Name Mode(s)  Frequencies                           Beacon(s)

AO-10    B    Uplink      435.030 - 435.180 CW/LSB
```

		Downlink	145.975 - 145.825 CW/USB	145.810 CW
RS-10/11	A	Uplink	145.865 - 145.905 CW/USB	
		Downlink	29.360 - 29.400 CW/USB	29.357 CW
RS-12/13	KT	Uplink	21.210 - 21.250 CW/USB	
	K	Downlink	29.410 - 29.450 CW/USB	29.408 CW
	T	Downlink	145.910 - 145.950 CW/USB	145.908 CW
RS-15*	A	Uplink	145.858 - 145.898 CW/USB	
		Downlink	29.354 - 29.394 CW/USB	29.3525 CW 29.3987 CW
RS-16*	A	Uplink	145.915 - 145.948 CW/USB	435.504 CW 435.548 CW
		Downlink	29.415 - 29.448 CW/USB	29.408 CW 29.451 CW
FO-20	JA	Uplink	146.000 - 145.900 CW/LSB	
		Downlink	435.800 - 435.900 CW/USB	435.795 CW
AO-27	J-FM*	Uplink	145.850 FM	
		Downlink	436.800 FM	
FO-29*	JA	Uplink	146.000 - 145.900 CW/LSB	
		Downlink	435.800 - 435.900 CW/USB	435.795 CW
MIR Simplex		Uplink	145.200 FM	
		Downlink	145.800 FM	
SAFEX Repeater (Mir)				
		Uplink	435.750 FM subaudible tone 141.3	
		Downlink	437.950 FM	
SAREX Simplex (Space Shuttle)*				
		Uplink	144.910, 144.93, 144.95 144.97 or 144.99 FM	
(Europe Only)		Uplink	144.70, 144.75, or 144.80 MHz	
(Worldwide)		Downlink	145.55 FM	

---

* Radio Sport-15 has battery chargeing problems therefore the transponder and beacon are silent when the satellite is in darkness.

* Radio Sport-16 currently has it's Mode A transponder turned off. The ground controlers seem to be experimenting with the various beacons, therefore it is difficult to predict which will be on, 29.408 seems to be on most passes.

* Please note Amsat Oscar-27 has a very sensitive receiver, I have routinely uplinked to it with a handheld on low power. On the other hand reception of the 70cm downlink signal is more difficult without a directional antenna most of the time. Therefore it is important to make sure that you can hear the satellite downlink before you transmit therefor avoiding interfering with others already on this one channel satellite repeater.

* Fuji-Oscar 20 can also be used in mode JD (D meaning Digital), at time of

writing this satellite was reported to be in Analog mode.

* Fuji-Oscar 29 can also be used in mode JD (D meaning Digital), at time of writing this satellite was reported to be in Analog mode until March 21.

* STS-83 is scheduled to launch on April 3rd, 1997 at approximately 2:01 p.m. EST (1901 UTC). The launch window is 2 hours 30 minutes long. STS-83 will include a SAREX package.

CALL SIGNS:

James D. Halsell, Commander, KC5RNI
Janice E. Voss, Payload Commander, KC5BTK
Donald A. Thomas, Mission Specialist, KC5FVF

QSLs: Send reports and QSLs to ARRL EAD, STS-83 QSL, 225 Main Street, Newington, CT 06111-1494, USA. Include the following information in your QSL or report: STS-83, date, time in UTC, frequency and mode (FM, voice or packet). In addition, you must also include a SASE using a large, business-sized envelope if you wish to receive a card.

This FAQ is constantly being updated and re-released on a weekly basis on or about Monday. Any constructive suggestions are always welcome.

- errors or omissions to ve7vdx@dowco.com

From -8876539922278231681
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Bill Newkirk <wnewkirk@iu.net>
Subject: Re: CW should die, not the "hobby" was a "service"
Date: 1997/03/24
Message-ID: <33374107.790@iu.net>#1/1
X-Deja-AN: 228169940
References: <33236044.339E@kerrlake.com> <33261465.3E4@ameritech.net> <01bc2ef9$7c74e020$d2c1e1ce@cstevens.usr.com> <332AF3DB.371C@rollanet.org> <E7BnsI.13v@eskimo.com>
Organization: Space Coast Amateur Technical Group
Reply-To: wnewkirk@iu.net
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Charlie Brown wrote:
>

> CW is a part of ham radio and should always be. I know it

that's not a good reason for a test requirement. CW was always part
of the marine radio or military radio or commercial radio at one time
or another and yet it's been supplanted by other systems.

after all, you used to have to call an operator to place a call. today
you dial direct. why not go back to the days of cord boards and "number,
please?"...after all it's part of the history of the telephone system.

From 1893687582853491668
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5152b4652f801942
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,5152b4652f801942
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 101046,5152b4652f801942
X-Google-Attributes: gid101046,public
X-Google-Thread: 10f32b,5152b4652f801942
X-Google-Attributes: gid10f32b,public
X-Google-Thread: fb049,5152b4652f801942
X-Google-Attributes: gidfb049,public
X-Google-Thread: fddbf,5152b4652f801942
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,5152b4652f801942
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f5341,5152b4652f801942
X-Google-Attributes: gidf5341,public
From: allent@pop.sonic.net (Allen)
Subject: Re: WTB: AR3000a
Date: 1997/03/26
Message-ID: <333b38f3.8759225@news.sonic.net>#1/1
X-Deja-AN: 228502723
References: <01bc37e4$5ee88860$7e0d85ce@laptop>
Organization: Sonic,Santa Rosa CA,http://www.sonic.net
Newsgroups: alt.ham-radio.vhf-uhf,alt.radio,alt.radio.digital,alt.radio.scanner,alt.radio.scanner.uk,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur

On 23 Mar 1997 23:52:47 GMT, "Sean" <sdharris@sprintmail.com> wrote:

>Looking for used Ar3000a for reasonable price. Thanks
>
Sean I'm curious as to what you consider to be a reasonable price?
Regards,
Allen
>Sean
>sdharris@sprintmail.com

```
From 7850493848233908983
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5152b4652f801942
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10f32b,5152b4652f801942
X-Google-Attributes: gid10f32b,public
X-Google-Thread: 1009ad,5152b4652f801942
X-Google-Attributes: gid1009ad,public
X-Google-Thread: f5341,5152b4652f801942
X-Google-Attributes: gidf5341,public
X-Google-Thread: fb049,5152b4652f801942
X-Google-Attributes: gidfb049,public
X-Google-Thread: f76e2,5152b4652f801942
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,5152b4652f801942
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 101046,5152b4652f801942
X-Google-Attributes: gid101046,public
From: "James C. Allison" <allison@livingston.net>
Subject: Re: WTB: AR3000a
Date: 1997/03/26
Message-ID: <3339A234.6E70@livingston.net>#1/1
X-Deja-AN: 228579019
References: <01bc37e4$5ee88860$7e0d85ce@laptop> <333b38f3.8759225@news.sonic.net>
Organization: AllisonWonderland Concert Lightshow and Creative Focus Graphics
Reply-To: allison@livingston.net
Newsgroups: alt.ham-radio.vhf-uhf,alt.radio,alt.radio.digital,alt.radio.scanner,alt.radio.scanner.uk,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur
```

Allen wrote:
```
>
> On 23 Mar 1997 23:52:47 GMT, "Sean" <sdharris@sprintmail.com> wrote:
>
> >Looking for used Ar3000a for reasonable price. Thanks
> >
> Sean I'm curious as to what you consider to be a reasonable price?
> Regards,
> Allen
> >Sean
> >sdharris@sprintmail.com
```
Dear Allen, and all the other readers of this news group
I am not a regular subscriber to this news group. Rather I am a researcher who searches for obscure information from sources that are not official in order to find out what the reality of a situation is. Many times what is offered as information from sources that have a stake

in what is being expostulated is heavily slanted pro for their side con for the opposition. It is my function to discern what it real.
Just on the chance that you might know (and what leads me to believe that this might work is the fact that Sean mentioned an AR 3000a and you responded as if you knew what that was), what is a

Model GMRS-210+3
UHF Model Two-Way Radio?

I know this is meagre, but it's all I have except on the same page (that came on my FAX) that has the above model number are the following model numbers:

Model GMRS-10
UHF Two-Way Radio

Model GMRS21-A
UHF Two-Way Radio

There is also hand written line on the page that says Comtell Electronics.

What I am trying to find out is: Who makes these radios? Is it Comtell Electronics? What are a radios like this worth? Are they state of the art?

Any information would be appreciated.

--
Hang in there!
Regards and sincere best wishes
AllisonWonderland

CHECK OUT THE WEBPAGE AT
http://www.livingston.net/allison/home.htm
Comments welcome.

From 3808190046142778042
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Kurt Bilinski <Kurt.Bilinski@gat.com>
Subject: Re: CW should die, children, please...
Date: 1997/03/26
Message-ID: <5hc4ig$lno@rosebud.sdsc.edu>#1/1
X-Deja-AN: 229057532

References: <33236044.339E@kerrlake.com> <33261465.3E4@ameritech.net>
<01bc2ef9$7c74e020$d2c1e1ce@cstevens.usr.com> <332AF3DB.371C@rollanet.org>
<01bc34c6$3b3db500$12f431cf@william-lee> <3335a202.25772406@news.sprynet.com>
<01bc37bd$06503e40$97c1e1ce@carl.ais.net>
Organization: San Diego SuperComputer Center at UCSD
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Children please,

One side whines that CW is slow and inefficient. Going along with that mentality, people who use CW talk (slowly) about nothing except, what, how big their antenna is, what their power amp rating is, and what far off station they just talked to.

Now the other side...

With the latest digital techniques, what are we up to, about 20kbaud? And what do you guys discuss that necessitates this high speed throughput? Nothing. Sorry, not quite true, there's how big the antenna is, what the power amp rating is, and what far off station was just contacted. Only difference is you run out of things to talk about much faster...

As soon as the satallite phone system is in place, you digital guys will sell your ham equipment, right? I mean, you want the very latest in maximum data throughput. No one wants to settle for that "old technology", right?

Give it a rest, it's a hobby. Each of you imply you're somehow better then the other. The joke is, people outside this hobby view each of you as the _same_; geeks!

Feeling defensive? Thinking "I don't care what other people think?"

Really? Then let other people use CW or digital, or whatever they want.

Like a bunch of spoiled children,

WB6DSW

From 2702552734906923910
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,a84461d64819e4be
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,a84461d64819e4be
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11480d,a84461d64819e4be
X-Google-Attributes: gid11480d,public

X-Google-Thread: 107ada,a84461d64819e4be
X-Google-Attributes: gid107ada,public
X-Google-Thread: fb049,a84461d64819e4be
X-Google-Attributes: gidfb049,public
X-Google-Thread: fcc6e,a84461d64819e4be
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fc2a5,a84461d64819e4be
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,a84461d64819e4be
X-Google-Attributes: gidfa656,public
From: Ed Loranger <USE_MY@Sig.Address.pse>
Subject: Re: New 6 metre web site!
Date: 1997/03/27
Message-ID: <333AF242.4452@Sig.Address.pse>#1/1
X-Deja-AN: 228932970
References: <01bc3aee$30d31aa0$2e11868b@default>
To: james Cotterill <canberraboy@msn.com>
Organization: Electronics Industry
Newsgroups: alt.ham-radio.vhf-uhf,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

Looks like you are doing the "Work the Web"
phrase justice. I too am trying to provide
substance to my web page. Look for me
on www.qsl.net too! (See below).

Note:: Anti-Spam address used above.
--
72/73 de WE6W QRP .3W QSX 7040 KHz SK ee
mailto:we6w@qsl.net
http://www.qsl.net/we6w

From 7036713119003090674
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92ceff84057f7cfa
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1035e7,92ceff84057f7cfa
X-Google-Attributes: gid1035e7,public
X-Google-Thread: fb6c1,92ceff84057f7cfa
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: f48fa,92ceff84057f7cfa
X-Google-Attributes: gidf48fa,public
X-Google-Thread: 109c36,92ceff84057f7cfa
X-Google-Attributes: gid109c36,public
X-Google-Thread: 10c2ee,92ceff84057f7cfa
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: f8d61,92ceff84057f7cfa
X-Google-Attributes: gidf8d61,public

```
X-Google-Thread: fddbf,92ceff84057f7cfa
X-Google-Attributes: gidfddbf,public
From: "???" <wessel@radio538.nl>
Subject: MAIL A BOMB TO A SHITSTATION !!!!!!!!!!!!!!!!!!!!!
Date: 1997/03/28
Message-ID: <01bc3b6c$c8acb600$LocalHost@nilsje>#1/1
X-Deja-AN: 228988276
References: <01bc3aeb$7d661960$LocalHost@nilsje>
Organization: Planet Internet
Reply-To: "???" <top538@radio538.nl>
Newsgroups: hh.hamradio,nl.media.radio,nl.radio.amateur,no.alt.radio-
tv.irma-1000,no.radio-tv,rec.antiques.radio+phono,rec.ham-radio,rec.ham-
radio.packet,rec.ham-
radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur
.boatanchor




 A COMERCIAL SHIT STATION DETECTED !!!!!!!
 MAIL A BOMB TO THEM !!!!!!!!!!!
 niels@radio538.nl
 top538@radio538.nl
 wessel@radio538.nl



From -1231808604840316250
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92ceff84057f7cfa
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,92ceff84057f7cfa
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: f48fa,92ceff84057f7cfa
X-Google-Attributes: gidf48fa,public
X-Google-Thread: fb6c1,92ceff84057f7cfa
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: fddbf,92ceff84057f7cfa
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 109c36,92ceff84057f7cfa
X-Google-Attributes: gid109c36,public
X-Google-Thread: f8d61,92ceff84057f7cfa
X-Google-Attributes: gidf8d61,public
X-Google-Thread: 1035e7,92ceff84057f7cfa
X-Google-Attributes: gid1035e7,public
From: "???" <wessel@radio538.nl>
Subject: MAIL A BOMB TO A SHITSTATION !!!!!!!!!!!!!!!!!!!!!
Date: 1997/03/28
Message-ID: <01bc3b6c$a79ca920$LocalHost@nilsje>#1/1
X-Deja-AN: 228988654
References: <01bc3aeb$7d661960$LocalHost@nilsje>
Organization: Planet Internet
```

```
Reply-To: "???" <top538@radio538.nl>
Newsgroups: hh.hamradio,nl.media.radio,nl.radio.amateur,no.alt.radio-
tv.irma-1000,no.radio-tv,rec.antiques.radio+phono,rec.ham-radio,rec.ham-
radio.packet,rec.ham-
radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur
.boatanchor
```

A COMERCIAL SHIT STATION DETECTED !!!!!!!
MAIL A BOMB TO THEM !!!!!!!!!!!
niels@radio538.nl
top538@radio538.nl
wessel@radio538.nl

```
From 2157962914155428184
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92ceff84057f7cfa
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109c36,92ceff84057f7cfa
X-Google-Attributes: gid109c36,public
X-Google-Thread: 10c2ee,92ceff84057f7cfa
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: f8d61,92ceff84057f7cfa
X-Google-Attributes: gidf8d61,public
X-Google-Thread: f48fa,92ceff84057f7cfa
X-Google-Attributes: gidf48fa,public
X-Google-Thread: 1035e7,92ceff84057f7cfa
X-Google-Attributes: gid1035e7,public
X-Google-Thread: fddbf,92ceff84057f7cfa
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fb6c1,92ceff84057f7cfa
X-Google-Attributes: gidfb6c1,public
From: "???" <wessel@radio538.nl>
Subject: MAIL A BOMB TO A SHITSTATION !!!!!!!!!!!!!!!!!!!!!
Date: 1997/03/28
Message-ID: <01bc3b6c$b77d9a20$LocalHost@nilsje>#1/1
X-Deja-AN: 228988655
References: <01bc3aeb$7d661960$LocalHost@nilsje>
Organization: Planet Internet
Reply-To: "???" <top538@radio538.nl>
Newsgroups: hh.hamradio,nl.media.radio,nl.radio.amateur,no.alt.radio-
tv.irma-1000,no.radio-tv,rec.antiques.radio+phono,rec.ham-radio,rec.ham-
radio.packet,rec.ham-
radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur
.boatanchor
```

A COMERCIAL SHIT STATION DETECTED !!!!!!!
 MAIL A BOMB TO THEM !!!!!!!!!!!
 niels@radio538.nl
 top538@radio538.nl
 wessel@radio538.nl

From 2942673965076325884
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: kd1hz@anomaly.ideamation.com (Michael P. Deignan)
Subject: Re: CW should die, children, please...
Date: 1997/03/28
Message-ID: <5hhore$52e@anomaly.ideamation.com>#1/1
X-Deja-AN: 229139396
References: <33236044.339E@kerrlake.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net> <5hc4ig$lno@rosebud.sdsc.edu> <333C5120.3EB2@ameritech.net>
Organization: The Ace Tomato Company
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

In article <333C5120.3EB2@ameritech.net>,
     Todd Little <little@ameritech.net> wrote:

>amateurs
>are led to believe that manual OOK Morse Code is the "be all, end all"
>with respect to reliability, weak signal performance, simplicity,
>etc.

Maybe not in terms of all modes available to amateurs, no, it isn't.
However, in terms of the most popular modes that amateurs use (FM,
SSB, CW) it certainly is.

>That's all many of us are trying to promote. If the Morse ops want
>to use and require Morse proficiency, then let them have it in their
>exclusive bands. On the other hand, let those that wish to use
>other modes also do likewise without bowing to the Morse God.

I like the idea of mode-based testing. You want CW, take a CW test.
You want SSB, take a SSB test. And so on. Unfortunately the no-code
contingent consistantly calls this "too complicated". Their ultimate
goal is no-code, no-theory. The ultimate in uncomplicated licensing.

MD

```
--
--  Ted Kennedy has killed more people with his car than I have
--  with my guns.
--
--  If you don't like my opinions, that's just too damn bad.



From 1003244772730047589
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Todd Little <little@ameritech.net>
Subject: Re: CW should die, children, please...
Date: 1997/03/28
Message-ID: <333C5120.3EB2@ameritech.net>#1/1
X-Deja-AN: 229189667
References: <33236044.339E@kerrlake.com> <33261465.3E4@ameritech.net>
<01bc2ef9$7c74e020$d2c1e1ce@cstevens.usr.com> <332AF3DB.371C@rollanet.org>
<01bc34c6$3b3db500$12f431cf@william-lee> <3335a202.25772406@news.sprynet.com>
<01bc37bd$06503e40$97c1e1ce@carl.ais.net> <5hc4ig$lno@rosebud.sdsc.edu>
Organization: Ameritech Interactive Media Services, Inc.
Reply-To: little@ameritech.net
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio


Kurt Bilinski wrote:
>
> Children please,
>...
> Give it a rest, it's a hobby.  Each of you imply you're somehow better
> then the other.  The joke is, people outside this hobby view each of you
> as the _same_; geeks!

I don't know that it is a question of better or not.  I'm usually
interested in busting "Morse Myth" (tm) that seem to be promoted here
on a regular basis.  Unfortunately due to tradition, outdated
training material, and a bias in the licensing system, amateurs
are led to believe that manual OOK Morse Code is the "be all, end all"
with respect to reliability, weak signal performance, simplicity,
etc.  That most of the that is either untrue or of little consequence,
matters not a whit to those trying to maintain the status quo.

> Feeling defensive?  Thinking "I don't care what other people think?"
>
> Really?  Then let other people use CW or digital, or whatever they want.

That's all many of us are trying to promote.  If the Morse ops want
to use and require Morse proficiency, then let them have it in their
```

exclusive bands. On the other hand, let those that wish to use other modes also do likewise without bowing to the Morse God.

> Like a bunch of spoiled children,

Who's "spoiled"? Those that are "with" or those that are "without"?

73,
Todd
N9MWB

--
Unsolicited business offers sent to my e-mail address will be considered a request for me to proofread the offer and in turn reimburse me $500 for my time and effort for each offer received.

From -3683725008675572122
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "William Lee" <willee@inwave.com>
Subject: Re: CW should die, children, please...
Date: 1997/03/29
Message-ID: <01bc3bdb$71fcc9c0$81f431cf@william-lee>#1/1
X-Deja-AN: 229130278
References: <33236044.339E@kerrlake.com> <33261465.3E4@ameritech.net> <01bc2ef9$7c74e020$d2c1e1ce@cstevens.usr.com> <332AF3DB.371C@rollanet.org> <01bc34c6$3b3db500$12f431cf@william-lee> <3335a202.25772406@news.sprynet.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net> <5hc4ig$lno@rosebud.sdsc.edu> <333C5120.3EB2@ameritech.net>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

As a general class amateur I have taken and passed the 13 wpm cw test.
However, if my radio quit working on the cw bands I would never know it.
Why was I required to pass a cw test knowing that I did not like it or would ever use it?
I do not know the answer. I did it because I wanted the general class ticket.
And if you think it was easy for me, think again.
I do not feel that I am any better than any other class operator because of it.
Radio is radio and I say welcome to all who enjoy it as a hobby.

If that sounds like spoiled whining then all I can say is .... whaaaa whaaaaa.
I got mine.....

William Lee   N5WRX ..... was KB8DWQ and WD5CQS

```
From 7672463794110333355
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: kc5egg@ix.netcom.com(Gerald Schmitt )
Subject: Re: CW should die, children, please...
Date: 1997/03/29
Message-ID: <5hi305$fh6@dfw-ixnews6.ix.netcom.com>#1/1
X-Deja-AN: 229220971
References: <33236044.339E@kerrlake.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5hc4ig$lno@rosebud.sdsc.edu> <333C5120.3EB2@ameritech.net>
<5hhore$52e@anomaly.ideamation.com>
Organization: Netcom
X-NETCOM-Date: Fri Mar 28  9:40:53 PM CST 1997
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
```

In <5hhore$52e@anomaly.ideamation.com> kd1hz@anomaly.ideamation.com (Michael P. Deignan) writes:

>
>In article <333C5120.3EB2@ameritech.net>,
>   Todd Little <little@ameritech.net> wrote:
>
>
>>amateurs
>>are led to believe that manual OOK Morse Code is the "be all, end all"
>>with respect to reliability, weak signal performance, simplicity,
>>etc.
>
>Maybe not in terms of all modes available to amateurs, no, it isn't.
>However, in terms of the most popular modes that amateurs use (FM,
>SSB, CW) it certainly is.
>
>
>>That's all many of us are trying to promote. If the Morse ops want
>>to use and require Morse proficiency, then let them have it in their
>>exclusive bands. On the other hand, let those that wish to use
>>other modes also do likewise without bowing to the Morse God.
>

>I like the idea of mode-based testing. You want CW, take a CW test.
>You want SSB, take a SSB test. And so on. Unfortunately the no-code
>contingent consistantly calls this "too complicated". Their ultimate
>goal is no-code, no-theory. The ultimate in uncomplicated licensing.

Michael,

Your comments here remind me of the accusation you leveled at me the other day. You seem the be pulling "facts" out of thin air. You speak to others' motivation and goals, sorry Michael, you can't know our minds. You make these rash statements despite the fact that the anti code test crowd has repeatedly and vigorisly denied what you claim is true.

Are we to believe you, and assume that all the folks who post here who do not believe that amateur radio is served by the code test, are liars.

I believe that the folks who would end the code test are honorable and you defame them with this broad brush accusation. An apology would be nice; and quite a surprise.

Jerry

>
>MD
>--
>-- Ted Kennedy has killed more people with his car than I have
>-- with my guns.
>--
>-- If you don't like my opinions, that's just too damn bad.

From -6053757918891551449
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <carl@ais.net>
Subject: Re: CW should die, children, please...
Date: 1997/03/29
Message-ID: <01bc3c69$5bf75620$afc1e1ce@carl.ais.net>#1/1
X-Deja-AN: 229279801
References: <33236044.339E@kerrlake.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5hc4ig$lno@rosebud.sdsc.edu> <333C5120.3EB2@ameritech.net>
<5hhore$52e@anomaly.ideamation.com>
Organization: Consulting Engineer
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

-----BEGIN PGP SIGNED MESSAGE-----

Michael P. Deignan <kd1hz@anomaly.ideamation.com> wrote in article <5hhore$52e@anomaly.ideamation.com>...

>
> I like the idea of mode-based testing. You want CW, take a CW test.
> You want SSB, take a SSB test. And so on. Unfortunately the no-code
> contingent consistantly calls this "too complicated". Their ultimate
> goal is no-code, no-theory. The ultimate in uncomplicated licensing.

Mike, that's an outright lie ... and you damned well know it!

We no-code-test advocates have VERY consistently voiced a belief that the written tests should be made more meaningful and relevant and the wrote memorization of answers to the theory parts should be eliminated (band limits and other rules things are simple memorization for everyone, but people shouldn't be able to get a license without truly understanding the technical parts)

In fact, it's been the pro-coders (you included, I believe, though I haven't checked the archives) who keep saying "eliminate the code, eliminate the theory, we're all appliance operators anyway ..."

I know you have some very slanted views on the code/no-code issue, and believe it or not I believe that you're entitled to hold those views even though think they're ridiculous and oppose them ... but please try to refrain from outright lies in your zeal to forward the pro-code position ...

Carl - wa6vse
carl@ais.net

-----BEGIN PGP SIGNATURE-----
Version: 4.5

iQCVAwUBMz1VzuIP1XFmaCFVAQEQbQQAkZk9Els/su2HI+I1KW+U+KYEMhxeTJrB
i4TYfmcjktoTynyShrLXlpB1Sk847VGrUh6G8Dhs7sJgRkpouyvjlCg/f+xxcdpd
PYyc7wiAB9pjhDk4dJNS/DRQlpLSZgKRL6qjFvChu2wFt9+GN5mHHVftgSyCyDxs
vrRZdgeKyeo=
=glTJ
-----END PGP SIGNATURE-----

From 8575328405958438806
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public

X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Carl R. Stevenson" <carl@ais.net>
Subject: Re: CW should die, children, please...
Date: 1997/03/29
Message-ID: <01bc3c69$f7de39a0$afc1e1ce@carl.ais.net>#1/1
X-Deja-AN: 229281350
References: <33236044.339E@kerrlake.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5hc4ig$lno@rosebud.sdsc.edu> <333C5120.3EB2@ameritech.net>
<5hhore$52e@anomaly.ideamation.com> <5hi305$fh6@dfw-ixnews6.ix.netcom.com>
Organization: Consulting Engineer
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

-----BEGIN PGP SIGNED MESSAGE-----

Gerald Schmitt <kc5egg@ix.netcom.com> wrote in article
<5hi305$fh6@dfw-ixnews6.ix.netcom.com>...
> In <5hhore$52e@anomaly.ideamation.com> kd1hz@anomaly.ideamation.com
> (Michael P. Deignan) writes:
> >
> >I like the idea of mode-based testing. You want CW, take a CW test.
> >You want SSB, take a SSB test. And so on. Unfortunately the no-code
> >contingent consistantly calls this "too complicated". Their ultimate
> >goal is no-code, no-theory. The ultimate in uncomplicated licensing.
>
> Michael,
>
> Your comments here remind me of the accusation you leveled at me the
> other day. You seem the be pulling "facts" out of thin air. You speak
> to others' motivation and goals, sorry Michael, you can't know our
> minds. You make these rash statements despite the fact that the anti
> code test crowd has repeatedly and vigorisly denied what you claim is
> true.

I called him on this lie, too ... I don't believe that this was an
"innocent
mistake" on MD's part ... I don't think he cares how far the truth is
violated
in the course of furthering his pro-code rantings ...

> Are we to believe you, and assume that all the folks who post here who
> do not believe that amateur radio is served by the code test, are
> liars.
>
> I believe that the folks who would end the code test are honorable and
> you defame them with this broad brush accusation. An apology would be
> nice; and quite a surprise.

Please don't hold your breath, Jerry ...

Carl - wa6vse
carl@ais.net

-----BEGIN PGP SIGNATURE-----
Version: 4.5

iQCVAwUBMz1WzeIP1XFmaCFVAQFIHQP+Pd+DBPBJPM8GHOiVwTSgkkfSteOZUTpN
D2FkFXK1gerrEEFbCCEtdjG39Yz37Fd6ZACCJXYOjmhJOH0VEuM7qDqYfy/0rOa5
gk+Vj1XpZhSWgaa2CCJB8pGZcEAykyLeZ7CJy/u2ZDp2ExRg3LHGlqqwoSTeirZy
+vvyg5tz8yY=
=Tvb4
-----END PGP SIGNATURE-----

From -3776273293727547626
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Todd Little <little@ameritech.net>
Subject: Re: CW should die, children, please...
Date: 1997/03/30
Message-ID: <333E10CE.44A5@ameritech.net>#1/1
X-Deja-AN: 229399285
References: <33236044.339E@kerrlake.com> <01bc37bd$06503e40$97c1e1ce@carl.ais.net>
<5hc4ig$lno@rosebud.sdsc.edu> <333C5120.3EB2@ameritech.net>
<5hhore$52e@anomaly.ideamation.com>
Followup-To: rec.radio.amateur.policy
Organization: Ameritech Interactive Media Services, Inc.
Reply-To: little@ameritech.net
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Michael P. Deignan wrote:
>
> In article <333C5120.3EB2@ameritech.net>,
>   Todd Little <little@ameritech.net> wrote:
>
>
> >amateurs
> >are led to believe that manual OOK Morse Code is the "be all, end all"
> >with respect to reliability, weak signal performance, simplicity,
> >etc.
>
> Maybe not in terms of all modes available to amateurs, no, it isn't.
> However, in terms of the most popular modes that amateurs use (FM,
> SSB, CW) it certainly is.

Many (most) don't qualify their stances because they believe themselves
to be correct under all conditions. I'd wager that 50% of all amateurs

believe it to be impossible to copy a signal that they can't detect
much less copy by ear.

> I like the idea of mode-based testing. You want CW, take a CW test.
> You want SSB, take a SSB test. And so on. Unfortunately the no-code
> contingent consistantly calls this "too complicated". Their ultimate
> goal is no-code, no-theory. The ultimate in uncomplicated licensing.

I have heard few claim that it is "too complicated", although it would
make our licensing structure even more arcane than it already is. What
purpose would mode specific testing serve? Is an inept RTTY operator
going to cause any significant harm to anyone else? For that matter,
as I've asked before, what harm does someone with a lousy fist or
poor copying skills cause by utilizing OOK Morse Code?

73,
Todd
N9MWB

PS Please follow up to rec.radio.amateur.policy where this belongs.

--
Unsolicited business offers sent to my e-mail address will be
considered a request for me to proofread the offer and in
turn reimburse me $500 for my time and effort for each offer
received.

From -2928156973625609848
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2d50923cef6dd5e7,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: ff938,2d50923cef6dd5e7,start
X-Google-Attributes: gidff938,public
X-Google-Thread: 1009ad,2d50923cef6dd5e7,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa656,2d50923cef6dd5e7,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,2d50923cef6dd5e7,start
X-Google-Attributes: gid107ada,public
From: "Peter A. Forkes" <pforkes@pobox.com>
Subject: Non-mag mount scanner aerial?
Date: 1997/03/30
Message-ID: <333F33FA.154E@pobox.com>#1/1
X-Deja-AN: 229564078
Organization: The Internet Access Company, Inc.
Reply-To: pforkes@pobox.com
Newsgroups: rec.ham-
radio,alt.radio.scanner,red.radio.scanner,rec.radio.amateur,rec.radio.amateur.misc

I'm looking for an aerial for the scanner in my car. Rdaio Shack do a magnetic mount aerial, but I'd rather have one that I can mount on the side/hood of my car (frankly, I don't want to add another 3 feet to the hight of my car).

Anyway, I'd like to hear from anyone who can either tell me of an alternative aerial or can give mt the name and address/phone number/e-mail address of a company who make such aerials.

Thanks,

Peter

From -5603678372762396776
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2d50923cef6dd5e7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: ff938,2d50923cef6dd5e7
X-Google-Attributes: gidff938,public
X-Google-Thread: 1009ad,2d50923cef6dd5e7
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 107ada,2d50923cef6dd5e7
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,2d50923cef6dd5e7
X-Google-Attributes: gidfa656,public
From: doc@NOSPAMdxnet.com (Anthony O. Cardenas (Remove 'NOSPAM' from my EMail address!))
Subject: QUICKIE ANTENNA was: Non-mag mount scanner aerial?
Date: 1997/03/31
Message-ID: <3341fbdb.4495446@news.dxnet.com>#1/1
X-Deja-AN: 229676894
Distribution: world
References: <333F33FA.154E@pobox.com>
Organization: yes
Reply-To: doc@NOSPAMdxnet.com
Newsgroups: rec.ham-radio,alt.radio.scanner,red.radio.scanner,rec.radio.amateur,rec.radio.amateur.misc

Try this:

Get a rigid plate of metal or tin. Drill a hole in the plate to mount your antenna.   Bend the plate so you can roll the window up from the bottom of the bend!

Coax feeds into the window to the left or right of the plate.
Important! DON'T crush the coax!

You may wish to hot glue two short lengths of coax jacket on the plate edge, at the bends to allow more area for the coax between the window and the window channel. Slice the jacket like a hot dog bun to fit.

```
                                           *
                                        *    *
                                    *          *         {metal plate,

    *******       *********               ****   Side View}

             (hole)    (bend for Window)



    ***********************************
    *                               |    |    |      *
    *                               |    |    |      *
    *           O                 |    |    |      *      {Top View}
    *                               |    |    |      *
    *                               |    |    |      *
    ***********************************
```

Enjoy!
Doc,
WA6IGJ

On Sun, 30 Mar 1997 22:48:10 -0500, "Peter A. Forkes"
<pforkes@pobox.com> wrote:

>I'm looking for an aerial for the scanner in my car. Rdaio Shack do a
>magnetic mount aerial, but I'd rather have one that I can mount on the
>side/hood of my car (frankly, I don't want to add another 3 feet to the
>hight of my car).
>Peter

From 1708946500302832796
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92a694908e04a40b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,92a694908e04a40b,start
X-Google-Attributes: gid10bf43,public
From: Woody <rafman@kerrlake.com>
Subject: Ham Radio: Death bed and gasping
Date: 1997/03/02
Message-ID: <33195106.4079@kerrlake.com>#1/1
X-Deja-AN: 222888354
Organization: The BuckHorn WoodWorx of Buggs Island
Reply-To: rafman@kerrlake.com
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

It has become evident that the ex-service now hobby is done:
Stick a fork in it!

It serves no one that cellular doesn't.
We are not unique, look around. Everyone has radios, phones.

Most operators are tunnel-visioned, goat-headed people. They think that the license, the code or the younger thinkers are the problem:

I contend it has been the ARRL, NTS and the volunteer exam/incentive licensing that has did it in. To many "elite" people who must complain when someone says what they want to say or operate as they want. I once thought packet radio might go somewhere but we never got over 1200 baud.

Now if the fact that cell phones were allowed in the Olympic venues but ham radios were not doesn't show you something, listen to a voice traffic net like the Indiana Traffic/DewDrop/Mushroom Cloud Spotting net some afternoon. NTS needs to tie up a radio frequency to handle fake messages for people who are too lazy to pick up the phone or mail a letter to mom wishing her happy birthday. Give me a break! They even pass phone numbers of recipients AND NOW even E-MAIL ADDRESSES!!!A JOKE! Right?

I am just waiting till all the VHF spectrum is gone, along with most of the HF spectrum. Then we will all be CBers, like many elite hams call others in order to degrade an opinion they can't stand to debate.

Structure, as per ARRL, has not kept up with the purpose of the "service"
That service used to be needed, now we are "bookmarks"for other wireless services. The latest band gone is 2300 MHz for wireless internet, not for packet, which should have pushed been years ago, along with:

902-928 GONE well "shared" by every device that would hear hams! Lesson?
220-222 GONE
144-148 soon to be gone
222-225 soon to be gone
430-450 soon to be gone

Do you get the picture?
Maybe I drew one for you...

--
=-=
CJ Crosby - KA2RAF/4 - rafman@kerrlake.com | Buggs Island Lake:
The BuckHorn WoodWorx of Buggs Island Virginia | Virginia's best fishing
"A mind's a terrible thing to waste, provided you had one to start with"
"There are 5 boxes to Freedom: Ballot, Witness, Jury, Soap & Cartridge"
=-=

From -5987777392793852977
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d013803913f8c0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,8d013803913f8c0,start
X-Google-Attributes: gid10bf43,public
From: Woody <rafman@kerrlake.com>
Subject: Indiana Traffic Net/NTS in general - Who is kidding who?
Date: 1997/03/02
Message-ID: <33195CB8.F12@kerrlake.com>#1/1
X-Deja-AN: 222988436
Organization: The BuckHorn WoodWorx of Buggs Island
Reply-To: rafman@kerrlake.com
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

I have listened to this situation for years. It has recently been posted that the Indiana Traffic Net on 3.910 is an interfering disturbance. I fully agree. Let me explain then consider if it makes sense to you.

The National Traffic System has evolved into an inefficient example of what this "hobby" has turned into, a tower of babble. For example, they crank up when the frequency is in use by others, claiming they can't hear the East Coast. Then, ask for checkins with traffic. After not getting any traffic or a few pointless messages, they call a roll call! This wastes another 5-10 minutes for no purpose. Mind you this is 4 times a day. Then the net control generates a message telling some other manager how many checkins, total time wasted and his blessings. There simply is no efficiency to this voice NTS trash! A typical NTS message contains the recipients' phone number and sometimes even e-mail address!

What is obvious to me is that this is a waste of an HF channel, it would be less of a disturbance on VHF of course but they claim VHF won't cover all the stations? With all the repeaters across any state? Ok, lets go to
packet. The claim is packet doesn't train voice handlers. HUH? If a voice
operator can't handle an emergency naturally, NTS fake messages won't give him a clue anyway! I question the circumvention of postal and telephone services in the name of training for "the big one". I also have heard the Indiana Traffic Net has started complaining that the government will no longer supply raingauges for another net they run, The Indiana Dew Drop/Mushroom Cloud Spotting/Warfront Net. There comes a time when you have to pay your own way. This is another waste of a HF channel when NexRad radar can show precipitation and we already pay for NOAA weather stations to provide the US public with such info. Why is there over 2 hours a day wasted with nothing accomplished. This net is just an example, not all NTS nets a slumps like this but most are on HF. There is no reason to interfere with such waste! It is sad what this service has become. All of this stuff can be handled on VHF or e-mail or let the lazy senders pick up the phone! It doesn't provide much of any training and besides ham radio offers very little

relief for emergencies when cell abound in public emergency services.

Yet the ARRL claims all this NTS public service and allocation claims.
Just one example of how NTS, the ARRL and its' mentality have ruined
our chances for survival as we are allocated NOW. You are suprised
that 144 and 440 are going to be "shared" by satellites? This is an
idiotic statement supported by the ARRL like they agreed to "share"
902-928. How many of you run any 900 operations? 222? 1296? 2304?
It will all be gone by about 2000, mark it down and use it now!

Maybe you should start another traffic net. It will act as a bookmark
for someone who wants to use that frequency for wireless internet at
56Kbps! Now that is progress, not this NTS crap on 3.910 and other HF.

I will gladly accept flames, replies via NTS only so be patient,
it may take a few weeks for an answer!

The ARRL and NTS - Clueless in Newington!
Woody

```
--
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
KA2RAF/4             rafman@kerrlake.com  | Buggs Island Lake:
The BuckHorn WoodWorx of Buggs Island Virginia | Virginia's best fishing
"A mind's a terrible thing to waste, provided you had one to start with"
"There are 5 boxes to Freedom: Ballot, Witness, Jury, Soap & Cartridge"
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
```

From -9139830415075752741
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f42d86b10be41146,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,f42d86b10be41146,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f7653,f42d86b10be41146,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: 11480d,f42d86b10be41146,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: fc2a5,f42d86b10be41146,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 107ada,f42d86b10be41146,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,f42d86b10be41146,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fc8b1,f42d86b10be41146,start
X-Google-Attributes: gidfc8b1,public
From: "George " <kilowatt@jadeinc.com>
Subject: Audio TS440 on ssb?
Date: 1997/03/02
Message-ID: <01bc2707$5f0a5be0$afe01ece@george>#1/1
X-Deja-AN: 223768836
Organization: GDBS

Newsgroups: rec.ham-radio,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

Just got a ts440s and have been told the ssb audio is low. FM and AM
appear to supply sufficent drive, whils the SSB clarity sounds like an
early modle HT with the same mikes as in the FM/AM tests?
I can't seem to locate the internal ADJUStMENTS any help would be really
appreicated.

73's
George

From 7316960882998695393
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,438b5a1fe3bfbf88,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,438b5a1fe3bfbf88,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 108122,438b5a1fe3bfbf88,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,438b5a1fe3bfbf88,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1009ad,438b5a1fe3bfbf88,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: f76e2,438b5a1fe3bfbf88,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa029,438b5a1fe3bfbf88,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1109af,438b5a1fe3bfbf88,start
X-Google-Attributes: gid1109af,public
From: kb8ukn@cdlcorp.com
Subject: FS: OPTO SCOUT 40 V.3.1
Date: 1997/03/03
Message-ID: <857426099.23427@dejanews.com>#1/1
X-Deja-AN: 222841661
X-Http-User-Agent: Mozilla/2.0 (compatible; MSIE 3.0; SK; Windows 95)
X-Originating-IP-Addr: 204.157.54.200 (cdlppp0.cdlcorp.com)
Organization: Deja News Usenet Posting Service
X-Article-Creation-Date: Mon Mar 03 21:55:00 1997 GMT
X-Authenticated-Sender: kb8ukn@cdlcorp.com
Newsgroups:
alt.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.scanner,rec.radio.shortwave,rec.radio.swap,rec.ham-radio,rec.ham-radio.swap

For Sale...My Optoelectronics Scout 40 frequency counter (400 memories),
version 3.1, comes with original box, manual, interface software, ac
adaptor and quick reference manual, like new $300.00 and I will ship to

your door.

Chris M.
kb8ukn@cdlcorp.com
313-753-5526

-------------------==== Posted via Deja News ====-----------------------
      http://www.dejanews.com/   Search, Read, Post to Usenet

From -4311520440057943249
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d29f6d4f71499710,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,d29f6d4f71499710,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,2ab37823c00e4e34
X-Google-Attributes: gid10bf43,public
From: Woody <rafman@kerrlake.com>
Subject: K2ASP - Re: ARRL Members support
Date: 1997/03/03
Message-ID: <331B6738.1089@kerrlake.com>#1/1
X-Deja-AN: 223289207
References: <01bc252e$2a5a1000$9ec1e1ce@cstevens.usr.com>
<73.23127.682@toadhall.com>
Organization: The BuckHorn WoodWorx of Buggs Island
Reply-To: rafman@kerrlake.com
Newsgroups: rec.radio.amateur.policy,rec.ham-radio,rec.radio.amateur.misc

Phil Kane wrote:
>
> In a message to ALL dated 03-02-97 CARL R. STEVENSON wrote:
>
> CRS> It IS totally absurd that we can operate relatively sophisticated
> CRS> SS Part 15 devices at 1W in the 902-928 band as "Joe citizen,"
> CRS> but it's illegal to use the same modulation and spreading techniques
> CRS> in the very same band as a ham ...
>
> Agreed, but the absurdity may be 180 degrees from your view of it.

Really? I can understand him. He is not being absurd.

> Remember that I was trained in the philosophy of radio regulation
> by someone who was trained under the French, who regard civilian
> possession and use of radio equipment about the same as civilian
> possession and use of a machine gun.

This is not France. We are not French subjects.

> Although I don't buy that philosophy to any great extent, some

> of it still sticks (exclusive of ham radio, of course <ggggg>).

Too bad, why not move there where your view fits in.<ggggg>

> One of the things that I will not back away from is the
> necessity of the regulatory agency to have the capability to
> verify that the signal is in compliance (or non-compliance) with
> all rules, technical as well as content where the latter exist,
> as they do in the amateur service.

One of the problems. Rigid control stiffles new technology.

> CRS> and the rule regarding keeping
> CRS> copies of all transmissions for a year is onerous ...

Its bull.

>
> Until and unless the rules change to no longer require FCC to
> exercise content control on amateur transmissions (there is no
> content control on Part 15 stuff) the need to "read" the traffic
> is there....and until and unless "Uncle Charlie" gets Crays and
> equivalant to do real-time decoding and content evaluation,
> there will be a need for such record-keeping. NSA does not rent
> time on its facilities to the great unwashed civilian agencies.....

Let the ARRL handle this. They are unsurpassed at screwing
up a good thing like new technical frontiers and freedom.

> Add to that one of the nice side-effects of SS signals (your
> taxpayer DoD money at work over the years to ensure this) - very
> increased difficulty in direction-finding (difficult but not
> impossible) and you have another reason why "complex"
> super-sophisticated schemes are not looked on with glee for
> amateur use. Remember that the heyday of several bureau chiefs
> being amateurs is long past.

Why? Part 15 devices need not worry about DFing or content.
The cart is before the horse.

> There were some of us at the FCC who actively fought approval of
> SS for amateur use because of the inability to perform those
> required regulatory functions in an efficient manner with what
> we had in those days, and our real concerns caused The Congress
> to let some money loose for some new equipment. Not enough, of
> course.

Such a big threat. Rather do away with source: Hams

> CRS> Let's face it ... large parts of Part 97 technical rules are
> CRS> outdated, obstructionist, and absurd.

Agreed. The man is right. The ARRL has negotiated this for us.

```
     We won't need new rules when there will be no one to rule.

>  Your personal opinion.  Wear the moccasins for a while......

     Whatever that means. Smoke another one!

>  The amateur radio service - as well as any other service -
>  exists on the sufferance of the agency, not vice versa.

     Too bad we needed NTS and contesting instead of freedom to
     experiment. Lack of equipment is no excuse to hold
     back a "service". No wonder we are doomed as a "hobby"
     Just a set of bookmarks for wireless to "harvest" for $$$

>  73  de  Phil Kane - K2ASP (since 1952)

     45 years and still not living in France as a subject.

     Good luck. The service is gone. Renamed a "hobby" where
     people contest, not contribute. Ham radio service - R.I.P.!
--
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
 Woody - KA2RAF/4 - I'm the NRA, not the ARRL | Buggs Island Lake:
    The BuckHorn WoodWorx of Buggs Island     | Virginia's best fishing
"A mind's a terrible thing to waste, provided you had one to start with"
"There are 5 boxes to Freedom: Ballot, Witness, Jury, Soap & Cartridge"
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=



From 8210855414645966553
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92a694908e04a40b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,92a694908e04a40b
X-Google-Attributes: gid10bf43,public
From: *mmcgirr*@digital.net (Matt)
Subject: Re: Ham Radio: Death bed and gasping
Date: 1997/03/04
Message-ID: <331babff.51517747@news.digital.net>#1/1
X-Deja-AN: 222930587
References: <33195106.4079@kerrlake.com>
Organization: Dis
Reply-To: mmcgirr@digital.net
Newsgroups: rec.radio.amateur.policy,rec.ham-radio


On Sun, 02 Mar 1997 02:05:58 -0800, Woody <rafman@kerrlake.com> wrote:
>It has become evident that the ex-service now hobby is done:
>Stick a fork in it!
>It serves no one that cellular doesn't.
>We are not unique, look around. Everyone has radios, phones.
*SNIP*
```

>Do you get the picture?
>Maybe I drew one for you...

No, come on Woody... don't hold back... tell us how you REALLY feel....

From -2967547500068505868
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92a694908e04a40b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,92a694908e04a40b
X-Google-Attributes: gid10bf43,public
From: "Christopher Cox" <cobox@netexp.net>
Subject: Re: Ham Radio: Death bed and gasping
Date: 1997/03/04
Message-ID: <01bc2898$168b4fe0$7460b6cd@chris>#1/1
X-Deja-AN: 222992002
References: <33195106.4079@kerrlake.com>
Organization: Cobox
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

>
> 902-928 GONE well "shared" by every device that would hear hams! Lesson?
> 220-222 GONE
> 144-148 soon to be gone
> 222-225 soon to be gone
> 430-450 soon to be gone
>
> Do you get the picture?
> Maybe I drew one for you...
>

Yep. But I really am hoping AMSAT will change this tide of problems. It has the capablity. Just hope the Rocket doesn't blow. If that happens THEN you can kiss Amateur Radio Good by except for the not needed "Maybe the propagations there now" HF band. Then we will all have to know code to become a member faternal Order of HF'ers. :-)

From 4893943594965324825
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92a694908e04a40b
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 10bf43,92a694908e04a40b
X-Google-Attributes: gid10bf43,public
From: "Kenny A. Chaffin" <kenny@kacweb.com>
Subject: Re: Ham Radio: Death bed and gasping
Date: 1997/03/04
Message-ID: <331C09E6.2609@kacweb.com>#1/1
X-Deja-AN: 222992391
References: <33195106.4079@kerrlake.com>
Organization: Dimensional Communications
Reply-To: kenny@kacweb.com
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

Woody wrote:
>
> It has become evident that the ex-service now hobby is done:
> Stick a fork in it!
>
> It serves no one that cellular doesn't.
> We are not unique, look around. Everyone has radios, phones.
>
> Most operators are tunnel-visioned, goat-headed people. They think that
> the license, the code or the younger thinkers are the problem:
>
> I contend it has been the ARRL, NTS and the volunteer exam/incentive
> licensing that has did it in. To many "elite" people who must complain
> when someone says what they want to say or operate as they want. I once
> thought packet radio might go somewhere but we never got over 1200 baud.
>
> Now if the fact that cell phones were allowed in the Olympic venues
> but ham radios were not doesn't show you something, listen to a voice
> traffic net like the Indiana Traffic/DewDrop/Mushroom Cloud Spotting net
> some afternoon. NTS needs to tie up a radio frequency to handle fake
> messages for people who are too lazy to pick up the phone or mail a
> letter to mom wishing her happy birthday. Give me a break! They even
> pass phone numbers of recipients AND NOW even E-MAIL ADDRESSES!!!A JOKE!
> Right?
>
> I am just waiting till all the VHF spectrum is gone, along with most
> of the HF spectrum. Then we will all be CBers, like many elite hams
> call others in order to degrade an opinion they can't stand to debate.
>
> Structure, as per ARRL, has not kept up with the purpose of the
> "service"
> That service used to be needed, now we are "bookmarks"for other wireless
> services. The latest band gone is 2300 MHz for wireless internet, not
> for packet, which should have pushed been years ago, along with:
>
> 902-928 GONE well "shared" by every device that would hear hams! Lesson?
> 220-222 GONE
> 144-148 soon to be gone
> 222-225 soon to be gone
> 430-450 soon to be gone

>
> Do you get the picture?
> Maybe I drew one for you...
>
> --
> =-=
> CJ Crosby - KA2RAF/4 - rafman@kerrlake.com | Buggs Island Lake:
> The BuckHorn WoodWorx of Buggs Island Virginia | Virginia's best fishing
> "A mind's a terrible thing to waste, provided you had one to start with"
> "There are 5 boxes to Freedom: Ballot, Witness, Jury, Soap & Cartridge"
> =-=

I think the drop/lackofinterest/badvibes are simply due to technology and the changes that have taken place in computing, digital, radio, etc. technology. Electronics has advanced to the point where it's both complex and difficult to implement as an individual hobbist. Electronic components even are difficult to use and apply without a thorough understanding of electronic theory (essentially a college degree) and parts are difficult to obtain in small quantities due to economics etc. The state of the art of radio is cellular and satellite broadcase which use complex computer technology and digital encoding. The current ham community is restricted in their ability to experiment in these areas by the complexity of the technology as well as the current regulations regarding such experimentation. If the regulations allowed it, I think we'd see more activity and interest in ham radio. There was a time that advanced in the technology came from the amateur community, but now advanced come from the corporations.
I'll stop there.....

KAC
Website Design, Programming, Hosting --> http://www.kacweb.com
kenny@kacweb.com

From 5520951411866570930
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,69aba4e8afcd8355,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,69aba4e8afcd8355,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fa656,69aba4e8afcd8355,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107cee,69aba4e8afcd8355,start
X-Google-Attributes: gid107cee,public
X-Google-Thread: 115af6,69aba4e8afcd8355,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 100110,69aba4e8afcd8355,start
X-Google-Attributes: gid100110,public
X-Google-Thread: 1107e7,69aba4e8afcd8355,start
X-Google-Attributes: gid1107e7,public
From: steve richards <steve@s-ric.demon.co.uk>
Subject: GLOUCESTER AMATEUR RADIO & ELECTRONICS SOCIETY
Date: 1997/03/04

Message-ID: <857510127.24344.0@s-ric.demon.co.uk>#1/1
X-Deja-AN: 223088807
X-NNTP-Posting-Host: s-ric.demon.co.uk
Newsgroups: sci.electronics.misc,rec.ham-radio,rec.radio.amateur,rec.radio,rec.radio.shortwave,comp.misc,comp.robotics

GLOUCESTER AMATEUR RADIO & ELECTRONICS SOCIETY

GLOUCESTER ENGLAND

If you live in or around Gloucester and are interested in electronics, robotics, microprocessors, computers or amateur radio our society could be for you!

We meet every Monday evening at Churchdown School, Winston Road, Churchdown, Gloucester from 7-30 p.m. to 10-00 p.m. and offer a varied programme for the electronics hobbiest.

If you'd like to know more why not come to our Open Evening on Monday 10 March.

Other forthcoming events are:

7 April Construction Competition
5 May a presentation on NASA and space exploration
12 May a presentation on computers and communications
9 June a presentation on phase locked loops

Further details about the society can be found on our web pages at http://www.furcot.demon.co.uk/gares0.htm or by sending e-mail to gares@furcot.demon.co.uk

---

From -2910422483152889295
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92a694908e04a40b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,92a694908e04a40b
X-Google-Attributes: gid10bf43,public
From: barryo*@*fastlink.com.au (Barry O'Grady)
Subject: Re: Ham Radio: Death bed and gasping
Date: 1997/03/05
Message-ID: <331db5e7.10828164@news.fastlink.com.au>#1/1
X-Deja-AN: 223300211
References: <33195106.4079@kerrlake.com>
Organization: Organisation
Reply-To: barryo*@*fastlink.com.au
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

Woody <rafman@kerrlake.com> wrote:

:It has become evident that the ex-service now hobby is done:
:Stick a fork in it!
:
:It serves no one that cellular doesn't.
:We are not unique, look around. Everyone has radios, phones.

Amateur radio is the old mans CB chat line. It does have a place.

:Most operators are tunnel-visioned, goat-headed people. They think that
:the license, the code or the younger thinkers are the problem:
:
:I contend it has been the ARRL, NTS and the volunteer exam/incentive
:licensing that has did it in. To many "elite" people who must complain
:when someone says what they want to say or operate as they want. I once
:thought packet radio might go somewhere but we never got over 1200 baud.
:
:Now if the fact that cell phones were allowed in the Olympic venues
:but ham radios were not doesn't show you something, listen to a voice
:traffic net like the Indiana Traffic/DewDrop/Mushroom Cloud Spotting net
:some afternoon. NTS needs to tie up a radio frequency to handle fake
:messages for people who are too lazy to pick up the phone or mail a
:letter to mom wishing her happy birthday. Give me a break! They even
:pass phone numbers of recipients AND NOW even E-MAIL ADDRESSES!!!A JOKE!
:Right?

Amateur radio is in danger of disapearing for lack of interest so it
is necessary to invent reasons to use the service. If it wasn't for
old men chatting and people inventing reasons to use their equipment
the bands would be mostly empty.

:I am just waiting till all the VHF spectrum is gone, along with most
:of the HF spectrum. Then we will all be CBers, like many elite hams
:call others in order to degrade an opinion they can't stand to debate.

There is no need for the large amount of spectrum space allocated to the
amateur service. 144 to 148 could be reduced to 144 to 145 with no harm
to amateurs. 430 to 450 could be reduced to 430 to 440 and stil allow
ATV. Most other bands could be eliminated or reduced by half without
harm to amateurs and with benefit to others.

:Structure, as per ARRL, has not kept up with the purpose of the
:"service"
:That service used to be needed, now we are "bookmarks"for other wireless
:services. The latest band gone is 2300 MHz for wireless internet, not
:for packet, which should have pushed been years ago, along with:
:
:902-928 GONE well "shared" by every device that would hear hams! Lesson?
:220-222 GONE
:144-148 soon to be gone
:222-225 soon to be gone
:430-450 soon to be gone

:
:Do you get the picture?
:Maybe I drew one for you...

Amateur radio is no longer needed but in fairness to those who can't give it up a few bands should be retained in reduced format.

If amateurs want respect they need to clean up their act.

Barry

=====================================
Email address is barryo@fastlink.com.au
Please remove the * from the return adddress when replying.
Unsolicited commercial emails are not wanted.
Responses to my article are welcome.

From -4854099026317513274
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92a694908e04a40b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,92a694908e04a40b
X-Google-Attributes: gid10bf43,public
From: tbryant@cannet.com (T.L.Bryant)
Subject: Re: Ham Radio: Death bed and gasping
Date: 1997/03/05
Message-ID: <5fij31$t73@nerd.apk.net>#1/1
X-Deja-AN: 223305884
References: <33195106.4079@kerrlake.com>
Organization: cannet.com
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

>902-928 GONE well "shared" by every device that would hear hams! Lesson?
>220-222 GONE
>144-148 soon to be gone
>222-225 soon to be gone
>430-450 soon to be gone
>
>Do you get the picture?
>Maybe I drew one for you...

After my dealings with contesters this past weekend, I doubt that I would miss it very much.

Tom - N8ECW

```
From -6927545359463117540
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d013803913f8c0
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,8d013803913f8c0
X-Google-Attributes: gid10bf43,public
From: tbryant@cannet.com (T.L.Bryant)
Subject: Re: Indiana Traffic Net/NTS in general - Who is kidding who?
Date: 1997/03/06
Message-ID: <5fnglj$nqo@nerd.apk.net>#1/1
X-Deja-AN: 223665762
References: <33195CB8.F12@kerrlake.com>
Organization: cannet.com
Newsgroups: rec.radio.amateur.policy,rec.ham-radio
```

>I will gladly accept flames, replies via NTS only so be patient,
>it may take a few weeks for an answer!
>
>The ARRL and NTS - Clueless in Newington!
>Woody

I've only ever gotten one NTS message. That was to say that I had some "wallpaper" waiting at the QSL bureau.

Tom - N8ECW

```
From -7360003847775988368
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92a694908e04a40b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,92a694908e04a40b
X-Google-Attributes: gid10bf43,public
From: Michael and Jayne Goad <ka4ezy@flinet.com>
Subject: Re: Ham Radio: Death bed and gasping
Date: 1997/03/06
Message-ID: <331F894F.41D8@flinet.com>#1/1
X-Deja-AN: 223749848
References: <33195106.4079@kerrlake.com>
To: rafman@kerrlake.com
Organization: Florida Internet Corporation
Reply-To: ka4ezy@flinet.com
Newsgroups: rec.radio.amateur.policy,rec.ham-radio
```

Woody wrote:
>

> It has become evident that the ex-service now hobby is done:
> Stick a fork in it!
>
> It serves no one that cellular doesn't.
> We are not unique, look around. Everyone has radios, phones.
>

=-=

If you want to know what service the amateur radio community provides that cellular doesn't, I invite you to come down and talk to the people who were involved in the recovery efforts after Hurricane Andrew. Most of the cell sites in the affected area were blown away and the ones that were left were overloaded. Hams provided a lot of the communications until other forms could be restored. You may think Ham Radio is on its death bed and gasping but as long as the are disasters of this magnitude and hams willing to help out, ham radio will be alive and well. We just sometimes have to remind the bureaucrats that see only dollar signs that there is more to life than money.

Mike Goad
KA4EZY

From 4351228784860426134
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d013803913f8c0
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,8d013803913f8c0
X-Google-Attributes: gid10bf43,public
From: Harv Nelson <hnelson@facstaff.wisc.edu>
Subject: Re: Indiana Traffic Net/NTS in general - Who is kidding who?
Date: 1997/03/07
Message-ID: <331FD5FF.2BE4@facstaff.wisc.edu>#1/1
X-Deja-AN: 223714932
References: <33195CB8.F12@kerrlake.com> <5fnglj$nqo@nerd.apk.net>
Organization: University of Wisconsin
Reply-To: hnelson@facstaff.wisc.edu
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

T.L.Bryant wrote:
>
> >I will gladly accept flames, replies via NTS only so be patient,
> >it may take a few weeks for an answer!
> >
> >The ARRL and NTS - Clueless in Newington!
> >Woody
>
> I've only ever gotten one NTS message. That was to say that I had some
> "wallpaper" waiting at the QSL bureau.
>
> Tom - N8ECW

I once received an NTS message ... it was a birthday greeting from some QCWA brother I'd never met, who has sadly passed from the scene, and whose call I have long since forgotten. It was his device for teaching the "novices" how the NTS worked. The system "administrators" asked him to stop send his greetings ... because the number of messages he sent "clogged" their "system", making it impossible to move the "higher priority" traffic. And, we really do NEED such systems! ;-)

Harv/KG9GA

Harv/KG9GA

From 6839000107555931867
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f42d86b10be41146
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,f42d86b10be41146
X-Google-Attributes: gid108122,public
X-Google-Thread: fc2a5,f42d86b10be41146
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fcc6e,f42d86b10be41146
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 11480d,f42d86b10be41146
X-Google-Attributes: gid11480d,public
X-Google-Thread: f7653,f42d86b10be41146
X-Google-Attributes: gidf7653,public
X-Google-Thread: fc8b1,f42d86b10be41146
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 107ada,f42d86b10be41146
X-Google-Attributes: gid107ada,public
From: ken.oliver@btinternet.com (Ken Oliver)
Subject: Re: Audio TS440 on ssb?
Date: 1997/03/07
Message-ID: <33226884.3874259@news.btinternet.com>#1/1
X-Deja-AN: 223851896
References: <01bc2707$5f0a5be0$afe01ece@george>
Organization: BT Internet
Newsgroups: rec.ham-radio,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

On 2 Mar 1997 12:42:45 GMT, "George " <kilowatt@jadeinc.com> wrote:

>Just got a ts440s and have been told the ssb audio is low. FM and AM

```
>appear to supply sufficent drive, whils the SSB clarity sounds like an
>early modle HT with the same mikes as in the FM/AM tests?


ummmm
I wonder if it's been used for HF packet .... That effect happened to
me after using a rig for heavy HF digital use may be worth looking
into


Ken G4SLG
....Your deeds will follow you through life like shadows...




From -609501500721940817
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92a694908e04a40b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,92a694908e04a40b
X-Google-Attributes: gid10bf43,public
From: Woody <rafman@kerrlake.com>
Subject: Re: Ham Radio: Death bed and gasping
Date: 1997/03/08
Message-ID: <33213CB1.314E@kerrlake.com>#1/1
X-Deja-AN: 224280775
References: <33195106.4079@kerrlake.com> <331F894F.41D8@flinet.com>
<3322BEC5.A4@primocomputers.com>
To: D.Arnold@primocomputers.com
Organization: The BuckHorn WoodWorx of Buggs Island
Reply-To: rafman@kerrlake.com
Newsgroups: rec.radio.amateur.policy,rec.ham-radio


They could have flooded the area with jobcomms.
I am not saying it can't.
Most times lately, it don't.
There are not many hams left who can "rough it".
Look what "field day" has become...
Need I say more?
--
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
 Woody - KA2RAF/4 - I'm the NRA, not the ARRL | Buggs Island Lake:
    The BuckHorn WoodWorx of Buggs Island     | Virginia's best fishing
"A mind's a terrible thing to waste, provided you had one to start with"
"There are 5 boxes to Freedom: Ballot, Witness, Jury, Soap & Cartridge"
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=




From 3225565538498498680
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f4efa1126e211640,start
```

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,f4efa1126e211640,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,f4efa1126e211640,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f64c6,f4efa1126e211640,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 114671,f4efa1126e211640,start
X-Google-Attributes: gid114671,public
X-Google-Thread: fa656,f4efa1126e211640,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10c349,f4efa1126e211640,start
X-Google-Attributes: gid10c349,public
From: davidf@acay.com.au (David Fox)
Subject: Buying amateur gear in Hong Kong
Date: 1997/03/09
Message-ID: <3322916a.2743132@news.onaustralia.com.au>#1/1
X-Deja-AN: 224144262
Reply-To: davidf@acay.com.au
Newsgroups:
uk.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur,rec.ham-radio,aus.radio.amateur.misc,aus.radio

I'l be in HK for business next week and was wondering about picking up
some new gear -- Yaesu's FT-50R dual-band h/h is top of the list! :>

Has anyone here bought gear in HK? Are the prices that much cheaper
than at home (for me, home = Australia)? What shops can you recommend,
which should I avoid?

In short, are there any HK-savvy amateurs to help a first-timer from
getting burnt?

Thanks,

df

(ps. sorry for the cross-post but I wanted to make sure I got a good
spread of fellow amateurs who may have 'been there, done that').

David Fox
(davidf@acay.com.au)

From 7283108968405283828
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92a694908e04a40b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,92a694908e04a40b
X-Google-Attributes: gid10bf43,public
From: "D.Arnold" <D.Arnold@primocomputers.com>

Subject: Re: Ham Radio: Death bed and gasping
Date: 1997/03/09
Message-ID: <3322BEC5.A4@primocomputers.com>#1/1
X-Deja-AN: 224145484
References: <33195106.4079@kerrlake.com> <331F894F.41D8@flinet.com>
To: ka4ezy@flinet.com
Organization: Datasync Internet
Reply-To: D.Arnold@primocomputers.com
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

Michael and Jayne Goad wrote:
>
> Woody wrote:
> >
> > It has become evident that the ex-service now hobby is done:
> > Stick a fork in it!
> >
> > It serves no one that cellular doesn't.
> > We are not unique, look around. Everyone has radios, phones.
> >
> =-=
>
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> that cellular doesn't, I invite you to come down and talk to the people
> who were involved in the recovery efforts after Hurricane Andrew. Most
> of the cell sites in the affected area were blown away and the ones that
> were left were overloaded. Hams provided a lot of the communications
> until other forms could be restored. You may think Ham Radio is on its
> death bed and gasping but as long as the are disasters of this magnitude
> and hams willing to help out, ham radio will be alive and well. We just
> sometimes have to remind the bureaucrats that see only dollar signs that
> there is more to life than money.
>
> Mike Goad
> KA4EZY
HERE HERE could not have said it better myself....

those of us that live on the coast knkow this to be true...

DON, PASCAGOULA MS< 40 mi w of MOBILE ALA...KB5FHX

From 8441952622391781984
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92a694908e04a40b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,92a694908e04a40b
X-Google-Attributes: gid10bf43,public
From: barryo*@*fastlink.com.au (Barry O'Grady)
Subject: Re: Ham Radio: Death bed and gasping
Date: 1997/03/09

Message-ID: <3322cde3.15336700@news.fastlink.com.au>#1/1
X-Deja-AN: 224168972
References: <33195106.4079@kerrlake.com> <331F894F.41D8@flinet.com>
Organization: Organisation
Reply-To: barryo*@*fastlink.com.au
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

Michael and Jayne Goad <ka4ezy@flinet.com> wrote:

:Woody wrote:
:>
:> It has become evident that the ex-service now hobby is done:
:> Stick a fork in it!
:>
:> It serves no one that cellular doesn't.
:> We are not unique, look around. Everyone has radios, phones.
:>
:=-=
:
:If you want to know what service the amateur radio community provides
:that cellular doesn't, I invite you to come down and talk to the people
:who were involved in the recovery efforts after Hurricane Andrew. Most
:of the cell sites in the affected area were blown away and the ones that
:were left were overloaded. Hams provided a lot of the communications
:until other forms could be restored. You may think Ham Radio is on its
:death bed and gasping but as long as the are disasters of this magnitude
:and hams willing to help out, ham radio will be alive and well. We just
:sometimes have to remind the bureaucrats that see only dollar signs that
:there is more to life than money.
:
:Mike Goad
:KA4EZY

Amateur radio should be retained for those that want it. But the bands could be reduced to one quarter of what they are now and still provide room for the hobby.

=====================================
Email address is barryo@fastlink.com.au
Please remove the * from the return adddress when replying.
Unsolicited commercial emails are not wanted.
Responses to my article are welcome.

From 9137867707939924135
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f4efa1126e211640
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c349,f4efa1126e211640
X-Google-Attributes: gid10c349,public
X-Google-Thread: 107ada,f4efa1126e211640

```
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,f4efa1126e211640
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,f4efa1126e211640
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114671,f4efa1126e211640
X-Google-Attributes: gid114671,public
X-Google-Thread: f64c6,f4efa1126e211640
X-Google-Attributes: gidf64c6,public
From: myers@West.Sun.COM (Dana Myers)
Subject: Re: Buying amateur gear in Hong Kong
Date: 1997/03/09
Message-ID: <5fur28$ca0@abyss.West.Sun.COM>#1/1
X-Deja-AN: 224198375
References: <3322916a.2743132@news.onaustralia.com.au>
Organization: SunSoft South, Los Angeles, CA
Newsgroups:
uk.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amat
eur,rec.ham-radio,aus.radio.amateur.misc,aus.radio


In article <3322916a.2743132@news.onaustralia.com.au>,
David Fox <davidf@acay.com.au> wrote:
>I'l be in HK for business next week and was wondering about picking up
>some new gear -- Yaesu's FT-50R dual-band h/h is top of the list! :>
>
>Has anyone here bought gear in HK? Are the prices that much cheaper
>than at home (for me, home = Australia)? What shops can you recommend,
>which should I avoid?
>
>In short, are there any HK-savvy amateurs to help a first-timer from
>getting burnt?

I spent a fortnight in HK last December.

I found a few shops selling amateur gear.  The prices were generally
higher than in the US.  Apparently most of the shops expect you to
dicker on the price and start out high, but the IC-2000H I looked
at listed at 400,000 HKD - about $520 US.  I said "that sells for
about 225,000 HKD in Los Angeles" and he couldn't even come close,
much less offer an attractive deal.

--
 * Dana H. Myers K6JQ, DoD#: j  | Views expressed here are mine and should *
 * (310) 348-6043               | not be interpreted or represented as     *
 * Dana.Myers@West.Sun.Com      | those of Sun Microsystems, Inc.          *




From -1280490326423333474
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dbf2d8e5cfcaf2dd,start
```

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,dbf2d8e5cfcaf2dd,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,dbf2d8e5cfcaf2dd,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,dbf2d8e5cfcaf2dd,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,dbf2d8e5cfcaf2dd,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,dbf2d8e5cfcaf2dd,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 13274a,dbf2d8e5cfcaf2dd,start
X-Google-Attributes: gid13274a,public
X-Google-Thread: fc8b1,dbf2d8e5cfcaf2dd,start
X-Google-Attributes: gidfc8b1,public
From: Charles Morrison <ki5xp@iamerica.net>
Subject: Re: WTB: Yaesu FT1000xx
Date: 1997/03/09
Message-ID: <33239A00.2581@iamerica.net>#1/1
X-Deja-AN: 224319938
References: <01bc2cfa$8e9f9340$122b65cf@mel>
To: MEL SUMRELL <sumrell@iamerica.com>
Organization: LDS I-America
Reply-To: ki5xp@iamerica.net
Newsgroups: iamerica.amateur.radio,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

MEL SUMRELL wrote:
>
> Looking for Yaesu FT1000 series XCVR.
> Please note accessories, price, and reason for selling.
> In case I don't get back to this group soon, please send data to
> sumrell@iamerica.net
>
> Thanks
> --
> Mel Sumrell   KF4FTA/AE
> sumrell@iamerica.net
> MSumrell@templeinland.com
> http://cust2.iamerica.net/sumrell
> --
>
> A thousand good deeds no one remembers
> ...One screw-up, no one forgets
> --

Mel,

I dont have one, but you might pass a note along to Jim Moore WU3V (jim@usl.edu) and see if he's heard of anything. Jim runs the Packet Cluster down in Abbeville, La. and there's usually messages like that floating along there. Tell him I sent ya, and maybe he'll pass along access to the Net side of his gateway and letcha read the messages on his cluster.

Good luck

Charlie
KI5XP

ki5xp@linknet.net
ki5xp@iamerica.net
ki5xp@w5ddl.aara.org

```
From 1654521225627845608
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd,start
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd,start
X-Google-Attributes: gid107ada,public
From: Woody <rafman@kerrlake.com>
Subject: CW should die, not the "hobby" was a "service"
Date: 1997/03/09
Message-ID: <33236044.339E@kerrlake.com>#1/1
X-Deja-AN: 224700663
Organization: The BuckHorn WoodWorx of Buggs Island
Reply-To: rafman@kerrlake.com
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
```

After reading all this drivel by NK2U and countless others. Ham radio operators show to the world, they wish NOT to allow an outdated mode to die. They would rather be rigid to the point of breaking the hobby off instead of being dynamic or say flexible. How stupid!

I don't care if you want to operate CW. It should not be required any longer. International requirements are vanishing, so will this 'HOBBY' if this rigidness keeps up. This is my opinion.

I wish the ARRL had just left electronics theory in the test so most of you appliance operators would be in this hobby! Electronic theory was watered down when the ARRL started generating question pools.
I would love to see most, NOT all, you extras pass a technical test worth something more than outdated 20 wpm CW.

NK2U would have to join the Army, to learn electronic theory not CW!

Amateur Radio: one auction or so away from its demise...

Kill the code or kill the hobby?

```
The time has come...
--
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
 Woody - KA2RAF/4 - I'm the NRA, not the ARRL | Buggs Island Lake:
    The BuckHorn WoodWorx of Buggs Island     | Virginia's best fishing
"A mind's a terrible thing to waste, provided you had one to start with"
"There are 5 boxes to Freedom: Ballot, Witness, Jury, Soap & Cartridge"
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=




From 7723515662657047461
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dbf2d8e5cfcaf2dd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,dbf2d8e5cfcaf2dd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 13274a,dbf2d8e5cfcaf2dd
X-Google-Attributes: gid13274a,public
X-Google-Thread: fc8b1,dbf2d8e5cfcaf2dd
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 108122,dbf2d8e5cfcaf2dd
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,dbf2d8e5cfcaf2dd
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,dbf2d8e5cfcaf2dd
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,dbf2d8e5cfcaf2dd
X-Google-Attributes: gidf76e2,public
From: "MEL SUMRELL" <sumrell@iamerica.com>
Subject: WTB: Yaesu FT1000xx
Date: 1997/03/10
Message-ID: <01bc2cfa$8e9f9340$122b65cf@mel>#1/1
X-Deja-AN: 224288583
Organization: LDS I-America
Newsgroups: iamerica.amateur.radio,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.equip
ment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap


Looking for Yaesu FT1000 series XCVR.
Please note accessories, price, and reason for selling.
In case I don't get back to this group soon, please send data to
sumrell@iamerica.net

Thanks
--
Mel Sumrell   KF4FTA/AE
sumrell@iamerica.net
MSumrell@templeinland.com
http://cust2.iamerica.net/sumrell
----------------------------------------------------------------------
```

A thousand good deeds no one remembers
...One screw-up, no one forgets

From 205096633997093578
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dbf2d8e5cfcaf2dd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,dbf2d8e5cfcaf2dd
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 13274a,dbf2d8e5cfcaf2dd
X-Google-Attributes: gid13274a,public
X-Google-Thread: fc8b1,dbf2d8e5cfcaf2dd
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 108122,dbf2d8e5cfcaf2dd
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,dbf2d8e5cfcaf2dd
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,dbf2d8e5cfcaf2dd
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,dbf2d8e5cfcaf2dd
X-Google-Attributes: gidfa656,public
From: E F Benson <castco@roadrace.com>
Subject: Re: WTB: Yaesu FT1000xx
Date: 1997/03/10
Message-ID: <3324CF7B.1090@roadrace.com>#1/1
X-Deja-AN: 224564187
References: <01bc2cfa$8e9f9340$122b65cf@mel> <33239A00.2581@iamerica.net>
Organization: Continental Cablevision - Elmhurst, IL
Reply-To: castco@roadrace.com
Newsgroups: iamerica.amateur.radio,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

Simply Telnet to the WU3V DX Cluster by using the following address:

206.104.42.245

By the way, I operate a FT-1000MP.   It's an operators dream.

73,

E F Benson N2CKZ Elmhurst, IL USA

From -8313637204485354605
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92a694908e04a40b

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,92a694908e04a40b
X-Google-Attributes: gid10bf43,public
From: Michael and Jayne Goad <ka4ezy@flinet.com>
Subject: Re: Ham Radio: Death bed and gasping
Date: 1997/03/10
Message-ID: <3324CA4B.79AF@flinet.com>#1/1
X-Deja-AN: 224678410
References: <33195106.4079@kerrlake.com> <331F894F.41D8@flinet.com>
<3322BEC5.A4@primocomputers.com> <33213CB1.314E@kerrlake.com>
Organization: Florida Internet Corporation
Reply-To: ka4ezy@flinet.com
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

Woody wrote:
>
> They could have flooded the area with jobcomms.
> I am not saying it can't.
> Most times lately, it don't.
> There are not many hams left who can "rough it".
> Look what "field day" has become...
> Need I say more?
> --
> =-=
> Woody - KA2RAF/4 - I'm the NRA, not the ARRL | Buggs Island Lake:
>   The BuckHorn WoodWorx of Buggs Island | Virginia's best fishing
> "A mind's a terrible thing to waste, provided you had one to start with"
> "There are 5 boxes to Freedom: Ballot, Witness, Jury, Soap & Cartridge"
> =-=

Need you say more? You haven't said anything to begin with.

From -4560930799300084795
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92a694908e04a40b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,92a694908e04a40b
X-Google-Attributes: gid10bf43,public
From: pcr@ic.net (phil reed)
Subject: Re: Ham Radio: Death bed and gasping
Date: 1997/03/11
Message-ID: <5g29sa$7eo@news2.ic.net>#1/1
X-Deja-AN: 224547747
References: <33195106.4079@kerrlake.com>
Organization: Gizmonic Institute
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

If you're going to make a believable case, you have to at least get your facts straight.

In article <33195106.4079@kerrlake.com>, rafman@kerrlake.com says...
>
>It serves no one that cellular doesn't.
>We are not unique, look around. Everyone has radios, phones.

The gaping hole in this argument has already been displayed.

{deletia}

>
>Now if the fact that cell phones were allowed in the Olympic venues
>but ham radios were not doesn't show you something,

It doesn't, because ham radios WERE allowed in the Olympic venues. Your info is outdated.

Are you trying to help?

--
...phil
Copyright, Phillip C. Reed, 1997.
Naughty words: eWorks! OT7 AOL bomb Green Card hack phreak breast sex
PGP fingerprint = C5 41 B5 9E B4 56 0C C3 26 FC B9 ED BC D7 CA 8B

From 8865320859705833562
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92a694908e04a40b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,92a694908e04a40b
X-Google-Attributes: gid10bf43,public
From: tbryant@cannet.com (T.L.Bryant)
Subject: Re: Ham Radio: Death bed and gasping
Date: 1997/03/11
Message-ID: <5g2g0l$ihg@nerd.apk.net>#1/1
X-Deja-AN: 224588510
References: <33195106.4079@kerrlake.com> <331F894F.41D8@flinet.com>
<3322BEC5.A4@primocomputers.com> <33213CB1.314E@kerrlake.com>
Organization: cannet.com
Newsgroups: rec.radio.amateur.policy,rec.ham-radio

>They could have flooded the area with jobcomms.
>I am not saying it can't.
>Most times lately, it don't.
>There are not many hams left who can "rough it".
>Look what "field day" has become...
>Need I say more?

Field Day = 24 hour tailgate party.

Tom - N8ECW

```
From -7224199484186234209
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Charlie Warfield, Jr." <charlie66@ameritech.net>
Subject: Re: CW should die, not the "hobby" was a "service"
Date: 1997/03/11
Message-ID: <33261465.3E4@ameritech.net>#1/1
X-Deja-AN: 224819497
References: <33236044.339E@kerrlake.com>
Organization: Ameritech Interactive Media Services, Inc.
Reply-To: charlie66@ameritech.net
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
```

Woody wrote:

```
>
> After reading all this drivel by NK2U and countless others. Ham radio
> operators show to the world, they wish NOT to allow an outdated mode
> to die. They would rather be rigid to the point of breaking the hobby
> off instead of being dynamic or say flexible. How stupid!
>
> I don't care if you want to operate CW. It should not be required
> any longer. International requirements are vanishing, so will this
> 'HOBBY' if this rigidness keeps up. This is my opinion.
>
> I wish the ARRL had just left electronics theory in the test so most
> of you appliance operators would be in this hobby! Electronic theory
> was watered down when the ARRL started generating question pools.
> I would love to see most, NOT all, you extras pass a technical test
> worth something more than outdated 20 wpm CW.
>
> NK2U would have to join the Army, to learn electronic theory not CW!
>
> Amateur Radio: one auction or so away from its demise...
>
> Kill the code or kill the hobby?
>
> The time has come...
> --
> ===================================================================
>  Woody - KA2RAF/4 - I'm the NRA, not the ARRL | Buggs Island Lake:
>     The BuckHorn WoodWorx of Buggs Island     | Virginia's best fishing
> "A mind's a terrible thing to waste, provided you had one to start with"
> "There are 5 boxes to Freedom: Ballot, Witness, Jury, Soap & Cartridge"
> =-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
```

I admit I have not followed this thread all the way through, but I have to agree that the code has to go. I have quietly held this view for a long time, so I figure this is as good a time as any to speak up.

Morse code is the 90's equivalent of smoke signals. It's a quaint and interesting skill, but has no longer has any practical value. The fact that it has been abandoned by every other communications entity should tell you something.

We all lament that it's so hard to get young people interested in ham radio, but come on you old buzzards!!! CW IS BORING! How are you going to convince the average 10 year old, who will barely even wait for a 28,800 b.p.s. modem to do its thing, that tippy-tapping dots and dashes at 13 or even 20 w.p.m. is exciting? You're offering them a horse & buggy in a space shuttle world, so it should shock no one that they're not listening.

If we were genuinely interested in perpetuating this hobby, we would dump CW outright and shift focus towards computers, packet, ATV, and satellite communications. See a theme here, ladies & gentlemen?

For the record, I am a ham & got my ticket long before no-code, so I'm not playing sour grapes here.

No biggie. Just my opinion.

Charlie

From -1791964616397106009
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: Ed Hare <ehare@arrl.org>
Subject: Re: CW should die, not the "hobby" was a "service"
Date: 1997/03/11
Message-ID: <5g4h6b$52j@mgate.arrl.org>#1/1
X-Deja-AN: 224951223
References: <33236044.339E@kerrlake.com>
Organization: American Radio Relay League, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Woody <rafman@kerrlake.com> wrote:

>I wish the ARRL had just left electronics theory in the test so most
>of you appliance operators would be in this hobby! Electronic theory
>was watered down when the ARRL started generating question pools.

The question pools are generated by the VEC Question Pool Committee, not
the ARRL. ARRL is a participant on that committee and I can tell you
with certainty, ARRL does not always get its way. :-)

>I would love to see most, NOT all, you extras pass a technical test
>worth something more than outdated 20 wpm CW.

IMHO, things are not a lot differnt, defacto, than in the time when the
FCC conducted exams. Several study guides published the exact FCC
questions and correct answers (notably the infamous Dick Bash guides).
The technical questions of today are perhaps even a bit harder than those
in the "good old days," IMHPO.

>NK2U would have to join the Army, to learn electronic theory not CW!

>Amateur Radio: one auction or so away from its demise...

>Kill the code or kill the hobby?

There will be other opinions, I am sure.

--

73 from ARRL HQ,
Ed Hare, KA1CV
ARRL Laboratory Supervisor

From 9155023054784638527
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f42d86b10be41146
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,f42d86b10be41146
X-Google-Attributes: gidfcc6e,public
From: measures@mail.vcnet.com (R. L. Measures)
Subject: Re: Audio TS440 on ssb?
Date: 1997/03/12
Message-ID: <measures-ya02408000R1203970110450001@news.vcnet.com>#1/1
X-Deja-AN: 224884255
References: <01bc2707$5f0a5be0$afe01ece@george>
Organization: Internet Access of Ventura County
Newsgroups: rec.ham-radio,rec.radio.amateur.antenna

In article <01bc2707$5f0a5be0$afe01ece@george>, "George "
<kilowatt@jadeinc.com> wrote:

> Just got a ts440s and have been told the ssb audio is low. FM and AM
> appear to supply sufficent drive, whils the SSB clarity sounds like an
> early modle HT with the same mikes as in the FM/AM tests?
> I can't seem to locate the internal ADJUStMENTS any help would be really
> appreicated.
>
> 73's
> George

I wrote an article that addresses this issue. You can find it at

http://www.vcnet.com/measures

Also, an electret condenser microphone is beneficial for those who do not
wish to sound like castrati on single sideband

--
--Rich-- ag6k, 805-386-3734

From 3811683314810628973
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: "Carl R. Stevenson" <carl@ais.net>
Subject: Re: CW should die, not the "hobby" was a "service"
Date: 1997/03/12
Message-ID: <01bc2ef9$7c74e020$d2c1e1ce@cstevens.usr.com>#1/1
X-Deja-AN: 224947129
References: <33236044.339E@kerrlake.com> <33261465.3E4@ameritech.net>
Organization: organization? I never said I was organized!
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

-----BEGIN PGP SIGNED MESSAGE-----

Charlie Warfield, Jr. <charlie66@ameritech.net> wrote in article
<33261465.3E4@ameritech.net>...
>
> I admit I have not followed this thread all the way through, but I have
> to agree that the code has to go. I have quietly held this view for a
> long time, so I figure this is as good a time as any to speak up.
>
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>
> We all lament that it's so hard to get young people interested in ham
> radio, but come on you old buzzards!!! CW IS BORING! How are you going
> to convince the average 10 year old, who will barely even wait for a
> 28,800 b.p.s. modem to do its thing, that tippy-tapping dots and dashes
> at 13 or even 20 w.p.m. is exciting? You're offering them a horse &
> buggy in a space shuttle world, so it should shock no one that they're
> not listening.
>
> If we were genuinely interested in perpetuating this hobby, we would
> dump CW outright and shift focus towards computers, packet, ATV, and
> satellite communications. See a theme here, ladies & gentlemen?
>
> For the record, I am a ham & got my ticket long before no-code, so I'm
> not playing sour grapes here.
>
> No biggie. Just my opinion.
>
> Charlie

Well said, Charlie! Now get ready to duck when the pro-coders hurl insults, flames, and all sorts of vilifications at you.

Please don't give up, though ... keep voicing your opinion and try to corner your local CW olde fartz and convince them ... you'll fail to reach most, because they're incapable of flexibility and rational thinking on the subject, but occasionally you'll gain a convert and that's worth the effort.

73,
Carl - wa6vse
carl@ais.net

>

-----BEGIN PGP SIGNATURE-----
Version: 4.5

iQCVAwUBMybKouIP1XFmaCFVAQGfKQP+IDioOMMTC7gVdgtyS1ShLl65t5RctCsF
TgVT2yhTmRrOlfvJ0mdrwhf8kOR4RwXhKN97eg6CBGvkFJPCCNTek/XEXCtalVr5
nT4k0qdrzdwtwODCPq2d7C6Le+ryAr6uRd3aac5m8J120C7KTgZgyBz9wVFFJZnc
jJ7toDuoCTw=
=TK0F
-----END PGP SIGNATURE-----

From -3556195338680104909
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: 2aa7ya@3rivers.net (Stacey Hanrahan)
Subject: Re: CW should die, not the "hobby" was a "service"
Date: 1997/03/13
Message-ID: <5ga181$n8i@news.montanavision.net>#1/1
X-Deja-AN: 225304757
References: <33236044.339E@kerrlake.com>
Organization: Vision Net
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Woody <rafman@kerrlake.com> scribbled:

>After reading all this drivel by NK2U and countless others. Ham radio
>operators show to the world, they wish NOT to allow an outdated mode
>to die. They would rather be rigid to the point of breaking the hobby
>off instead of being dynamic or say flexible. How stupid!

If you learned the code, then quit bitchin'.

>I don't care if you want to operate CW. It should not be required
>any longer. International requirements are vanishing, so will this
>'HOBBY' if this rigidness keeps up. This is my opinion.

Where did you read this? I've heard there is *talk* of dropping the
code, not action currently underway.

>I wish the ARRL had just left electronics theory in the test so most
>of you appliance operators would be in this hobby! Electronic theory
>was watered down when the ARRL started generating question pools.
>I would love to see most, NOT all, you extras pass a technical test
>worth something more than outdated 20 wpm CW.

Umm, Woody, The National VEC, comprised in part by the ARRL writes up
the question pools, not the ARRL alone.

>NK2U would have to join the Army, to learn electronic theory not CW!

>Amateur Radio: one auction or so away from its demise...

>Kill the code or kill the hobby?

Should read: Kill the code, you've killed the hobby.

>The time has come...

For what?

```
>--
>=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
> Woody - KA2RAF/4 - I'm the NRA, not the ARRL | Buggs Island Lake:
>    The BuckHorn WoodWorx of Buggs Island     | Virginia's best fishing
>"A mind's a terrible thing to waste, provided you had one to start with"
>"There are 5 boxes to Freedom: Ballot, Witness, Jury, Soap & Cartridge"
>=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
```

Stacey, AA7YA

```
From 1525765467229202476
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92a694908e04a40b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,92a694908e04a40b
X-Google-Attributes: gid10bf43,public
From: 2aa7ya@3rivers.net (Stacey Hanrahan)
Subject: Re: Ham Radio: Death bed and gasping
Date: 1997/03/13
Message-ID: <5ga18d$n8i@news.montanavision.net>#1/1
X-Deja-AN: 225304784
References: <33195106.4079@kerrlake.com> <331F894F.41D8@flinet.com>
<3322BEC5.A4@primocomputers.com> <33213CB1.314E@kerrlake.com>
Organization: Vision Net
Newsgroups: rec.radio.amateur.policy,rec.ham-radio
```

Woody <rafman@kerrlake.com> scribbled:

```
>They could have flooded the area with jobcomms.
>I am not saying it can't.
>Most times lately, it don't.
>There are not many hams left who can "rough it".
>Look what "field day" has become...
>Need I say more?
```

Need you say more? What was it you said?

```
>--
>=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
> Woody - KA2RAF/4 - I'm the NRA, not the ARRL | Buggs Island Lake:
>    The BuckHorn WoodWorx of Buggs Island     | Virginia's best fishing
>"A mind's a terrible thing to waste, provided you had one to start with"
>"There are 5 boxes to Freedom: Ballot, Witness, Jury, Soap & Cartridge"
>=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
```

From 2996915505358482912
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: Demolition Man <nospam.demoman@rollanet.org>
Subject: Re: CW should die, not the "hobby" was a "service"
Date: 1997/03/14
Message-ID: <33296C09.965@rollanet.org>#1/1
X-Deja-AN: 225488332
References: <33236044.339E@kerrlake.com> <33261465.3E4@ameritech.net>
Organization: FLASH Security
Reply-To: http://www.rollanet.org/~demoman/
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Charlie Warfield, Jr. wrote:
>
> Woody wrote:

> > Kill the code or kill the hobby?
> >
> > The time has come...

keep the code, educate the applications. what is easier to build after learning
the important theory behind it? a cw transceiver or a phone xcvr or atv counterpart?

while the wpm req is probably high for today's standards, code is a great thing
to have knowlege of and should be a required part of the licensing system. perhaps
not such a block to the hf bands but should be in the mix. i personally
frequent other modes of operation with atv being my latest project for
my multi-cast repeater system. still yet, cw come into play whenever a
minimalist/survivalist notion comes about. i have built [as countless
others] a cw transceiver that is powered by alternate energy. it has 4
rechargeble AA batts that are charged either by sunlight or wind power.
this really sparks the interest during field day and open houses at the
club meetings.
>
>
> Morse code is the 90's equivalent of smoke signals. It's a quaint and
> interesting skill, but has no longer has any practical value. The fact
> that it has been abandoned by every other communications entity should
> tell you something.

not so, just about every security oriented solution has cw as backup. i do advocate relegating cw to backup as it's major role but as important a requirement as any other. what happens in the thousand what-if scenarios when a homebrew min cw xcvr is the last means of communications?

>
> We all lament that it's so hard to get young people interested in ham
> radio, but come on you old buzzards!!! CW IS BORING! How are you going
> to convince the average 10 year old, who will barely even wait for a
> 28,800 b.p.s. modem to do its thing, that tippy-tapping dots and dashes
> at 13 or even 20 w.p.m. is exciting? You're offering them a horse &
> buggy in a space shuttle world, so it should shock no one that they're
> not listening.

the code deciphering programs on my BBS are among the most popular. kids still like that "secrect code" idea. i agree that it should not keep them from certain bands and such but still should be a requirement along with more intense theory.

>
> If we were genuinely interested in perpetuating this hobby, we would
> dump CW outright

i think this would be a giant step in the wrong direction. while i advocate revamping the code requirements/restrictions, i still feel it is important.

> and shift focus towards computers, packet, ATV, and
> satellite communications. See a theme here, ladies & gentlemen?
>

i have been a computer pioneer for over 20 years, i can't wait to get all the new and improved stuff but would be "just another appliance operator" without the experience and training on all the old antiquated hardware, software, programming concepts.

> For the record, I am a ham & got my ticket long before no-code, so I'm
> not playing sour grapes here.
>

i'm new to the ham radio world but not to the fun stuff it encompasses. years of 11 meter listening/disecting sparked while vhf lo/hi police band fueled the fire. a ham came to the electronics repair store i frelance for and suggested i take the exam that was being held in 10 days. they would love to have me he said. well a trip to the radio shack 30 minutes away brought me a no-code manual, a general manual, and a 4 tape code course.

with no previous code training [except for the morse code chart on my walkie talkies as a kid!] i came away with a general class ticket in one test session.

i guess my point is that if someone wants something and is on fire for it, he/she will do what is required to get it.

if they drop the 20wpm before i upgrade adv/extra, that will be fine. if not i will be ready for that too.

```
> No biggie. Just my opinion.

absolutely, no need for flames in this group.  plenty of non-hams and
prospects reading here to see what it's all about.

--
A.C.Curtis                      Missouri's multi-cast repeater.  6m,
70cm
KB0WLF                                                           *10m,
*ATV

mailto:demoman@rollanet.org
http://www.rollanet.org/~demoman/



From 912916964362257067
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: billsohl@planet.net (Bill Sohl)
Subject: Re: CW should die, not the "hobby" was a "service"
Date: 1997/03/14
Message-ID: <5gcmqs$i2j@jupiter.planet.net>
X-Deja-AN: 225579343
References: <33236044.339E@kerrlake.com> <33261465.3E4@ameritech.net>
<33296C09.965@rollanet.org>
Organization: Mount Olive Township (NJ) Emergency Management
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio


Demolition Man <nospam.demoman@rollanet.org> wrote:

>Charlie Warfield, Jr. wrote:

>> Woody wrote:
>> > Kill the code or kill the hobby?
>> > The time has come...

>keep the code, educate the applications.  what is easier to build after
>learning the important theory behind it?  a cw transceiver or a
>phone xcvr or atv counterpart?

If code testing ended, what would prevent you frm building
a CW transmitter anyway?  The issue isn't to end the USE
of CW by those that want to use it for DX, QRP or whatever.

>while the wpm req is probably high for today's standards, code is a
```

>great thing to have knowlege of and should be a required part
>of the licensing system.

But you offer NO reason why. You just say it's great to have the
knowledge.

>perhaps
>not such a block to the hf bands but should be in the mix. i personally
>frequent other modes of operation with atv being my latest project for
>my multi-cast repeater system. still yet, cw come into play whenever a
>minimalist/survivalist notion comes about.

Not any more in terms of those that are truly active in the
survivalist and safety aspects of CW. There hasn't even been
a viable use of CW in an emergency condition in years.

> i have built [as countless
>others] a cw transceiver that is powered by alternate energy. it has 4
>rechargeble AA batts that are charged either by sunlight or wind power.
>this really sparks the interest during field day and open houses at the
>club meetings.

And why should that end if CW testing as a requirement ends?

>> Morse code is the 90's equivalent of smoke signals. It's a quaint and
>> interesting skill, but has no longer has any practical value. The fact
>> that it has been abandoned by every other communications entity should
>> tell you something.

>not so, just about every security oriented solution has cw as backup.

Please enlighten us on where that backup is being relied on?
The original statement is correct, CW has been abandoned as a viable
mode for any and all types of emergency communications, both in and
outside of amateur radio.

> i
>do advocate relegating cw to backup as it's major role but as important
>a requirement as any other. what happens in the thousand what-if
>scenarios when a homebrew min cw xcvr is the last means of
>communications?

The lack of even one credible example of that happening is
where the argument fails totally. You want every ham with HF
access to learn CW just in case someone on HF runs into
that situation? The economics of requiring CW today in
case of the one-in-a-million case is not justifiable. We'd be
better off and save more lives mandating all hams know CPR.

>> We all lament that it's so hard to get young people interested in ham
>> radio, but come on you old buzzards!!! CW IS BORING! How are you going
>> to convince the average 10 year old, who will barely even wait for a
>> 28,800 b.p.s. modem to do its thing, that tippy-tapping dots and dashes

>> at 13 or even 20 w.p.m. is exciting? You're offering them a horse &
>> buggy in a space shuttle world, so it should shock no one that they're
>> not listening.

>the code deciphering programs on my BBS are among the most popular.
>kids still like that "secrect code" idea. i agree that it should not
>keep them from certain bands and such but still should be a requirement
>along with more intense theory.

You still offer only yur opinion that we should have CW. You offer
no reasons why.

>> If we were genuinely interested in perpetuating this hobby, we would
>> dump CW outright

>i think this would be a giant step in the wrong direction. while i
>advocate revamping the code requirements/restrictions, i still feel it
>is important.

Because??

>> and shift focus towards computers, packet, ATV, and
>> satellite communications. See a theme here, ladies & gentlemen?
>>
>i have been a computer pioneer for over 20 years, i can't wait to get
>all the new and improved stuff but would be "just another appliance
>operator" without the experience and training on all the old antiquated
>hardware, software, programming concepts.

Radio engineers and techs do not require CW knowledge to
be competent. Neither do hams. As a Navy technician, I never had to
know more code yet I had no problem at all maintaining and
repairing any of the shipboard electronics we had.

>> For the record, I am a ham & got my ticket long before no-code, so I'm
>> not playing sour grapes here.
>>
>i'm new to the ham radio world but not to the fun stuff it encompasses.
>years of 11 meter listening/disecting sparked while vhf lo/hi police
>band fueled the fire. a ham came to the electronics repair store i
>frelance for and suggested i take the exam that was being held in 10
>days. they would love to have me he said. well a trip to the radio
>shack 30 minutes away brought me a no-code manual, a general manual, and
>a 4 tape code course.

>with no previous code training [except for the morse code chart on my
>walkie talkies as a kid!] i came away with a general class ticket in one
>test session.

Wonderful, but that is not the norm, especially as it relates to the
code.

>i guess my point is that if someone wants something and is on fire for

>it, he/she will do what is required to get it.

That's true, but what is required should be justifiable in terms of
why it is a requirement in the first place.

>if they drop the 20wpm before i upgrade adv/extra, that will be fine.
>if not i will be ready for that too.

>> No biggie. Just my opinion.

>absolutely, no need for flames in this group. plenty of non-hams and
>prospects reading here to see what it's all about.

No flame intended at all. Just honest questions and counter
comments.

Bill Sohl K2UNK
ARRL Local Gov't Liaison, Mt. Olive Township, NJ

From 8239623739149092797
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: onbelay@ma.ultranet.com (Mark Schneider)
Subject: Re: CW should die, not the "hobby" was a "service"
Date: 1997/03/15
Message-ID: <3329a5c3.152047458@news.ma.ultranet.com>#1/1
X-Deja-AN: 225624602
References: <33236044.339E@kerrlake.com> <33261465.3E4@ameritech.net>
<33296C09.965@rollanet.org>
Organization: UltraNet Communications, Inc.
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

On Fri, 14 Mar 1997 09:17:29 -0600, Demolition Man
<nospam.demoman@rollanet.org> wrote:

SNIP
>not such a block to the hf bands but should be in the mix. i personally
>frequent other modes of operation with atv being my latest project for
>my multi-cast repeater system. still yet, cw come into play whenever a
>minimalist/survivalist notion comes about. i have built [as countless
>others] a cw transceiver that is powered by alternate energy. it has 4
>rechargeble AA batts that are charged either by sunlight or wind power.
>this really sparks the interest during field day and open houses at the
>club meetings.

```
>>
>>
Hey, can you email me some more info on that CW transceiver?
>--
>A.C.Curtis                      Missouri's multi-cast repeater.  6m,
>70cm
>KB0WLF                                                           *10m,
>*ATV
>
>mailto:demoman@rollanet.org
>http://www.rollanet.org/~demoman/
```

```
**************************************************************
* onbelay@ma.ultranet.com                                    *
*                                                            *
*  Mark Schneider, WI1W    http://www.ultranet.com/~onbelay   *
*    Manchester, NH                                          *
**************************************************************
.
```

From -3247068715274377372
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "Richard Van Fossan" <richv@nwlink.com>
Subject: Re: CW should die, not the "hobby" was a "service"
Date: 1997/03/15
Message-ID: <01bc310c$9c163180$0100a8c0@richv.nwlink.com>#1/1
X-Deja-AN: 225663169
References: <33236044.339E@kerrlake.com> <33261465.3E4@ameritech.net>
Organization: Miles to Go
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

I really have to agree here. I can transmit information at 56KBaud using an ordinary telephone voice line. Why is it illegal to do exactly the same using an HF channel? Or a 900 MHz rig?

Charlie Warfield, Jr. <charlie66@ameritech.net> wrote in article
<33261465.3E4@ameritech.net>...
> Woody wrote:
>

> I admit I have not followed this thread all the way through, but I have to agree that the code has to go. I have quietly held this view for a long time, so I figure this is as good a time as any to speak up.
>
> Morse code is the 90's equivalent of smoke signals. It's a quaint and interesting skill, but has no longer has any practical value. The fact that it has been abandoned by every other communications entity should tell you something.
>
> We all lament that it's so hard to get young people interested in ham radio, but come on you old buzzards!!! CW IS BORING! How are you going to convince the average 10 year old, who will barely even wait for a 28,800 b.p.s. modem to do its thing, that tippy-tapping dots and dashes at 13 or even 20 w.p.m. is exciting? You're offering them a horse & buggy in a space shuttle world, so it should shock no one that they're not listening.
>
> If we were genuinely interested in perpetuating this hobby, we would dump CW outright and shift focus towards computers, packet, ATV, and satellite communications. See a theme here, ladies & gentlemen?
>
> For the record, I am a ham & got my ticket long before no-code, so I'm not playing sour grapes here.
>
> No biggie. Just my opinion.
>
> Charlie
>

From -7872489675093184760
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
From: "William Lee" <willee@inwave.com>
Subject: Re: CW should die, not the "hobby" was a "service"
Date: 1997/03/15
Message-ID: <01bc3143$14394a40$84f431cf@william-lee>#1/1
X-Deja-AN: 225718300
References: <33236044.339E@kerrlake.com> <33261465.3E4@ameritech.net> <01bc310c$9c163180$0100a8c0@richv.nwlink.com>
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

Do away with code???

Let me check my slide rule for a moment.

OK...... it seems that some people enjoy that mode.

I am one who does not. I perfer the computer. Why not require all hams to pass a computer test.... retroactive so that all the old CW operators (the ones who support CW requirements) can get up to speed with modern communication methods.

Does that follow current logic?

William Lee

From 6776203572124719911
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bfa5ac4bf8b70e5f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,bfa5ac4bf8b70e5f,start
X-Google-Attributes: gid1109af,public
From: Bob Lott KC7OSZ <rll@premier1.net>
Subject: FS/Trade:Heathkit SB-102 & Dentron GLA-1000
Date: 1997/03/15
Message-ID: <332AD956.65BF@premier1.net>#1/1
X-Deja-AN: 225758489
Organization: Premier1 Internet Services; Sultan, WA
Reply-To: rll@premier1.net
Newsgroups: rec.radio.swap,rec.ham-radio

Hi All

1.I have a Heathkit SB-102, pwr Supply(Model# HP-23), & SB-600 speaker for sale or trade. Radio has hand mic with it, in excellent condition, xmitter needs alignment and have extra set of tubes with it but unsure if they work, never had them in the radio. Books and manuals included. $250.00 OBO plus shipping

2.Dentron GLA-1000 HF Amplifier, in excellent shape with manual and scematics. $400.00 OBO plus shipping

or I would rally like to trade all of this for a Kenwood TS-140 w/MC-50 and Speaker. I'd pay for my shipping and you'd pay yours. Also would consider other rigs but I like the simplicity of the TS-140 .

E-mail or phone Bob Lott "KC7OSZ"
rll@premier1.net or (360)424-8289 if I am not home leave message and I will return your call or e-mail.
Thanks Bob...

From -4550509594888363152

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f4efa1126e211640
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,f4efa1126e211640
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,f4efa1126e211640
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114671,f4efa1126e211640
X-Google-Attributes: gid114671,public
X-Google-Thread: f64c6,f4efa1126e211640
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fa656,f4efa1126e211640
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10c349,f4efa1126e211640
X-Google-Attributes: gid10c349,public
From: ANTISPAMsteve100@dircon.co.uk (Steve)
Subject: Re: Buying amateur gear in Hong Kong
Date: 1997/03/15
Message-ID: <332b05c4.918733@news.dircon.co.uk>#1/1
X-Deja-AN: 225795707
References: <3322916a.2743132@news.onaustralia.com.au>
Organization: Ask
Newsgroups:
uk.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur,rec.ham-radio,aus.radio.amateur.misc,aus.radio

On Sun, 09 Mar 1997 11:13:24 GMT, davidf@acay.com.au (David Fox)
wrote:

>Has anyone here bought gear in HK? Are the prices that much cheaper
>than at home (for me, home = Australia)? What shops can you recommend,
>which should I avoid?

Off topic ..... but the Canaries have some great cheap radios'
****
* steve100@dircon.co.uk
*
*   M1BJR Plymouth
****
<<REMOVE "ANTISPAM" from e-mail address B4 replying>>

From 5019683436618558067
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public

From: Demolition Man <nospam.demoman@rollanet.org>
Subject: Re: CW should die, not the "hobby" was a "service"
Date: 1997/03/15
Message-ID: <332AF3DB.371C@rollanet.org>#1/1
X-Deja-AN: 226215587
References: <33236044.339E@kerrlake.com> <33261465.3E4@ameritech.net>
<01bc2ef9$7c74e020$d2c1e1ce@cstevens.usr.com>
Organization: FLASH Security
Reply-To: http://www.rollanet.org/~demoman/
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

> > For the record, I am a ham & got my ticket long before no-code, so I'm
> > not playing sour grapes here.
> >
> > No biggie. Just my opinion.
> >
> > Charlie
>
> Well said, Charlie! Now get ready to duck when the pro-coders hurl
> insults, flames, and all sorts of vilifications at you.
>

hmmm. i seem to recall that i responded as a pro-code to his post
without any of the above stated negatives. read back a few, you make
yourself sound close-minded which is what you are trying to imply about
pro-coders below. \/

> Please don't give up, though ... keep voicing your opinion and try to
> corner your local CW olde fartz and convince them ... you'll fail to reach
> most, because they're incapable of flexibility and rational thinking on
> the subject, but occasionally you'll gain a convert and that's worth the
> effort.
>

now that paragraph is a flame. you warn that procoders are 'going' to
do
what you have already done. cw is not my preferred mode of
communicating
but i do feel it is and will always be an integral part of
communications.
the no-code ticket did alot to open ham radio to those not interested in
cw.
many delve into the code and upgrade because their club displays a
positive
attitude toward the code and the incentive idea. rather than treating
it
as an impossible obstacle, it's shown to be a fun and still useful part
of
radio. there is a way thru the code! i'm 29 and went from no ticket to
general class at one test session with 10 days to learn the code. i did
it
because i really, really, wanted it! so i did what was required to
reach it.
if the code is gone when i go to get my adv/extra ticket that is

wonderful,
if not, then i will be ready for it.
--
A.C.Curtis
KB0WLF
Missouri's multicast repeater: 6m, 70cm, *10m, *ATV
mailto:demoman@rollanet.org
http://www.rollanet.org/~demoman/

From 2951957681395169533
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: t5150@netcom.com (Tom Fritz)
Subject: Re: CW should die, not the "hobby" was a "service"
Date: 1997/03/16
Message-ID: <t5150E74IJo.44n@netcom.com>#1/1
X-Deja-AN: 225891266
Sender: t5150@netcom12.netcom.com
References: <33236044.339E@kerrlake.com> <33261465.3E4@ameritech.net> <01bc310c$9c163180$0100a8c0@richv.nwlink.com> <01bc3143$14394a40$84f431cf@william-lee>
Followup-To: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio
Organization: Netcom On-Line Services
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

William Lee (willee@inwave.com) wrote:

: I am one who does not. I perfer the computer. Why not require all hams to
: pass a computer test.... retroactive so that all the old CW operators (the
: ones who support CW requirements) can get up to speed with modern
: communication methods.

: Does that follow current logic?

: William Lee

William,
Remember, it is not new technolog, but stuff left over from greek ideas - concepts. Just like airplanes... they ain't new, heck the first cave man had the basic idea... and kitty hawk does not mean anything.

--tlf

From -2568690274644309844
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f4efa1126e211640
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,f4efa1126e211640
X-Google-Attributes: gid108122,public
X-Google-Thread: f64c6,f4efa1126e211640
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fa656,f4efa1126e211640
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,f4efa1126e211640
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10c349,f4efa1126e211640
X-Google-Attributes: gid10c349,public
X-Google-Thread: 114671,f4efa1126e211640
X-Google-Attributes: gid114671,public
From: Martin D Farrell <Martin@hobbit.demon.co.uk>
Subject: Re: Buying amateur gear in Hong Kong
Date: 1997/03/16
Message-ID: <TR9sPDAFN$KzEw2a@hobbit.demon.co.uk>#1/1
X-Deja-AN: 225939270
Distribution: world
X-NNTP-Posting-Host: hobbit.demon.co.uk
References: <3322916a.2743132@news.onaustralia.com.au>
Organization: Hobbit
Newsgroups:
uk.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur,rec.ham-radio,aus.radio.amateur.misc,aus.radio

In article <332b05c4.918733@news.dircon.co.uk>, Steve <ANTISPAMsteve100@dircon.co.uk> writes

> On Sun, 09 Mar 1997 11:13:24 GMT, davidf@acay.com.au (David Fox)
> wrote:
>
>
>> Has anyone here bought gear in HK? Are the prices that much cheaper
>> than at home (for me, home = Australia)? What shops can you recommend,
>> which should I avoid?
>
> Off topic ..... but the Canaries have some great cheap radios'
> *******************************

I think you mean cheep radios. They do suffer from many birdies however.

Sorry .....

73 Martin G8All Systems Go

From 7230109970370333408

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe553e3ffb00c3bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,fe553e3ffb00c3bd
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,fe553e3ffb00c3bd
X-Google-Attributes: gid107ada,public
From: jeffreyh@Hawaii.Edu (Jeffrey Herman)
Subject: Re: CW should die, not the "hobby" was a "service"
Date: 1997/03/16
Message-ID: <5ggamo$ihq@news.Hawaii.Edu>#1/1
X-Deja-AN: 225941198
References: <33236044.339E@kerrlake.com>
<01bc310c$9c163180$0100a8c0@richv.nwlink.com> <01bc3143$14394a40$84f431cf@william-lee> <t5150E74IJo.44n@netcom.com>
Organization: University of Hawaii
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.ham-radio

William Lee (willee@inwave.com) wrote:

: I am one who does not. I perfer the computer. Why not require all hams to
: pass a computer test.... retroactive so that all the old CW operators (the
: ones who support CW requirements) can get up to speed with modern
: communication methods.
: Does that follow current logic?

Nope. We're members of the Amateur Radio Service, not the Amateur
Computer Service.
KH2PZ

From 1550707830344391330
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,163a61f93d28b16d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,163a61f93d28b16d,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,163a61f93d28b16d,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,163a61f93d28b16d,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,163a61f93d28b16d,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 14ad98,163a61f93d28b16d,start
X-Google-Attributes: gid14ad98,public
X-Google-Thread: fa029,163a61f93d28b16d,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: fa62e,163a61f93d28b16d,start
X-Google-Attributes: gidfa62e,public
From: Mark Watson <marko64@talon.net>
Subject: !!!!HELP-FT50 MOD!!! HELP

Date: 1997/02/04
Message-ID: <32F785E5.33EE@talon.net>#1/1
X-Deja-AN: 214421366
distribution: world
content-type: text/plain; charset=us-ascii
organization: Microserve Information Systems (800)-380-INET
mime-version: 1.0
newsgroups: rec.radio.swap,rec.ham-radio.swap,rec.ham-radio,rec.radio.amateur,radio.equipment,rec.radio.amateur.misc,red.radio.amateur.swap,rec.radio.scanner
x-mailer: Mozilla 3.0 (Win95; I)

WELL HERE GOES!!! I'm sure I'll get harassed like crazy for this... Well, I got the mod to work.... FROM 50-999mhz.... NOW heres the problem.... I CANT TRASMIT anywhere..........The ptt light doesnt even light up... When I hit my 'knob' button to make settings and you're supposed to hit PTT to confirm & save it... I have to hold the KNOB down to save it.... I'm sick.......I should've left well enough alone! CAN ANYONE HELP ME?????? PLEASE??????? I've learned my lesson!!!

If I can just get it to transmit where its supposed to I'll he a happy ham!!

THANK YOU!!

MARK WATSON

From -6561615092614013404
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,163a61f93d28b16d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,163a61f93d28b16d
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,163a61f93d28b16d
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,163a61f93d28b16d
X-Google-Attributes: gidfa656,public
X-Google-Thread: fa029,163a61f93d28b16d
X-Google-Attributes: gidfa029,public
X-Google-Thread: 14ad98,163a61f93d28b16d
X-Google-Attributes: gid14ad98,public
X-Google-Thread: 107ada,163a61f93d28b16d
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa62e,163a61f93d28b16d
X-Google-Attributes: gidfa62e,public
From: SWW <Sww@connect.net>
Subject: Re: !!!!HELP-FT50 MOD!!! HELP
Date: 1997/02/04
Message-ID: <32F7CE8A.205B@connect.net>#1/1
X-Deja-AN: 214471499

references: <32F785E5.33EE@talon.net>
content-type: text/plain; charset=us-ascii
organization: Connection Technologies Internet Services
mime-version: 1.0
reply-to: sww@Connect.net
newsgroups: rec.radio.swap,rec.ham-radio.swap,rec.ham-radio,rec.radio.amateur,radio.equipment,rec.radio.amateur.misc,red.radio.amateur.swap,rec.radio.scanner
x-mailer: Mozilla 3.01 (Win95; I)

Mark Watson wrote:
>
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> problem.... I CANT TRASMIT anywhere..........The ptt light doesnt even
> light up... When I hit my 'knob' button to make settings and you're
> supposed to hit PTT to confirm & save it... I have to hold the KNOB
> down to save it.... I'm sick.......I should've left well enough alone!
> CAN ANYONE HELP ME??????   PLEASE???????   I've learned my lesson!!!
>
> If I can just get it to transmit where its supposed to I'll he a
> happy ham!!
>
> THANK YOU!!
>
> MARK WATSON

Could your PTT be locked? check your settings.

From 1497650870608545122
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,82511628f552d359,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,82511628f552d359,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,82511628f552d359,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,82511628f552d359,start
X-Google-Attributes: gidf76e2,public
From: Jeff Singer <k2kv@netusa.net>
Subject: FS: TIMEWAVE DSP-59+
Date: 1997/02/04
Message-ID: <32F7BCEB.3154@netusa.net>#1/1
X-Deja-AN: 214480233
content-type: text/plain; charset=us-ascii
organization: Network Internet Services (516) 543-0240
mime-version: 1.0
reply-to: k2kv@netusa.net
newsgroups: rec.ham-radio.swap,rec.ham-radio,rec.radio.amateur.equipment,rec.radio.swap

x-mailer: Mozilla 3.01Gold (Win95; I)

Top of the line DSP audio filter. Retails for $260 - $270.
As new in original box with manual, $195.

Call me at 516-754-6808
Thanks & 73 de Jeff K2KV
k2kv@netusa.net

From -5213708101629681987
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,58d732dd94946729,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,58d732dd94946729,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,58d732dd94946729,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,58d732dd94946729,start
X-Google-Attributes: gidf76e2,public
From: Jeff Singer <k2kv@netusa.net>
Subject: FS: MINT KNWD TS-940S/at
Date: 1997/02/04
Message-ID: <32F7BC2D.6003@netusa.net>#1/1
X-Deja-AN: 214480394
content-type: text/plain; charset=us-ascii
organization: Network Internet Services (516) 543-0240
mime-version: 1.0
reply-to: k2kv@netusa.net
newsgroups: rec.ham-radio.swap,rec.ham-radio,rec.radio.amateur.equipment,rec.radio.swap
x-mailer: Mozilla 3.01Gold (Win95; I)

Truly as new Kenwood TS-940S/at with IF-10B interface. Radio has been COMPLETELY reliable, has never needed any work whatsoever. FLAWLESS. Includes pair of 500hz cw filters and SP-940 speaker. MARS capable (I am licensed MARS op). Original box & manual...... $1450.

Contact me at 516-754-6808
Thanks & 73 de Jeff K2KV
k2kv@netusa.net

From -3707318141792490470
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,748a80a67ed6fd4b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 15828d,748a80a67ed6fd4b
X-Google-Attributes: gid15828d,public

```
X-Google-Thread: 106d41,748a80a67ed6fd4b
X-Google-Attributes: gid106d41,public
X-Google-Thread: f76e2,748a80a67ed6fd4b
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,748a80a67ed6fd4b
X-Google-Attributes: gidfa656,public
From: THE STANLEYS <stanley@bright.net>
Subject: Re: Ranger 2970
Date: 1997/02/04
Message-ID: <32F7E876.39FC@bright.net>#1/1
X-Deja-AN: 214502828
references: <32F2F24D.5AF0@itol.com> <01bc10a6$407116a0$43ac69ce@user>
<32f6668e.19367136@news.pacbell.net>
cc: stanley@bright.net
content-type: text/plain; charset=us-ascii
organization: BrightNet Ohio
mime-version: 1.0
reply-to: stanley@bright.net
newsgroups: rec.radio.cb,aus.radio.amateyr.misc,rec.ham-radio.swap,rec.ham-
radio,rec.radio.amateur
x-mailer: Mozilla 3.01Gold (Win95; I)


Dan K Nelson wrote:
>
> On 2 Feb 1997 01:12:41 GMT, "Teacher" <sburns@access.k12.wv.us> wrote:
>
> >John, It can be accomplished by changing a jumper in the radio. Now which
> >one I have no idea but I have seen it done before.
> >Mike KG8NV
> >Teacher@inetone.net
> >jbjr@itol.com wrote in article <32F2F24D.5AF0@itol.com>...
> >> Does anybody know if the Ranger 2970 can get the CB channels by putting
> >> a mod on it????If so let me know how to do it, Please E-mail me if you
> >> can help me on this.
> >>
> >>                                 THAMKS  JOHN.
> >>
> Try the RCI website, the mod is posted there... By the way, you can
> find a lot of answers by using the AltaVista web search engine, and
> entering a few keywords...
>
> RCI website - http://www.spiraweb.com/rciweb/rcigb.html
> AltaVista Search - http://altavista.digital.com
>
> <<< DAN >>>
> ---
yes there is a mod you can put on it to get cb channels and i have the
mod!!!!!!!
OUTLAW
```

```
From -5719645646l8756040
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,163a61f93d28b16d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,163a61f93d28b16d
X-Google-Attributes: gid1109af,public
X-Google-Thread: 14ad98,163a61f93d28b16d
X-Google-Attributes: gid14ad98,public
X-Google-Thread: fa656,163a61f93d28b16d
X-Google-Attributes: gidfa656,public
X-Google-Thread: fa029,163a61f93d28b16d
X-Google-Attributes: gidfa029,public
X-Google-Thread: f76e2,163a61f93d28b16d
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,163a61f93d28b16d
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa62e,163a61f93d28b16d
X-Google-Attributes: gidfa62e,public
From: Mark Watson <marko64@talon.net>
Subject: Re: !!!!HELP-FT50 MOD!!! HELP
Date: 1997/02/05
Message-ID: <32F847F6.6822@talon.net>#1/1
X-Deja-AN: 214570883
distribution: world
references: <32F785E5.33EE@talon.net> <32F7CE8A.205B@connect.net>
content-type: text/plain; charset=us-ascii
organization: Microserve Information Systems (800)-380-INET
mime-version: 1.0
newsgroups: rec.radio.swap,rec.ham-radio.swap,rec.ham-
radio,rec.radio.amateur,radio.equipment,rec.radio.amateur.misc,red.radio.amateur.s
wap,rec.radio.scanner
x-mailer: Mozilla 3.0 (Win95; I)


SWW wrote:
>
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> >
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> > CAN ANYONE HELP ME??????   PLEASE???????   I've learned my lesson!!!
> >
> > If I can just get it to transmit where its supposed to I'll he a
> > happy ham!!
> >
> > THANK YOU!!
> >
> > MARK WATSON
>
```

> Could your PTT be locked? check your settings.

NOPE....not locked......I was on the phone with yaesu for about 30mins today trying to figure it out......I mailed it in to them to repair.. Didnt tell them the cell mod was done, just that I got it for a christmas present and it suddenly stopped transmitting........If they can get it back to normal I'll leave well enough alone!! :) Like I said the mod worked perfectly but I must have either accidently powered it on the incorrect way or something..... normally when you change settings via the knob and go to the menu.. you normally would push the ptt to save & confirm the setting, well it wouldnt even do that.. The ptt didnt work at all........We'll see....Like I said I fedexed it today.. hopefully I'll have it back in a few weeks in working order!!!

Thanks for the post..

MARK

From 7626720288286530423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,163a61f93d28b16d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,163a61f93d28b16d
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,163a61f93d28b16d
X-Google-Attributes: gidfa656,public
X-Google-Thread: fa029,163a61f93d28b16d
X-Google-Attributes: gidfa029,public
X-Google-Thread: 14ad98,163a61f93d28b16d
X-Google-Attributes: gid14ad98,public
X-Google-Thread: f76e2,163a61f93d28b16d
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,163a61f93d28b16d
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa62e,163a61f93d28b16d
X-Google-Attributes: gidfa62e,public
From: JoMak <jomak@flash.net>
Subject: Re: !!!!HELP-FT50 MOD!!! HELP
Date: 1997/02/05
Message-ID: <32F88DD5.101E@flash.net>#1/1
X-Deja-AN: 214609078
references: <32F785E5.33EE@talon.net> <32F7CE8A.205B@connect.net>
<32F847F6.6822@talon.net>
to: Mark Watson <marko64@talon.net>
content-type: text/plain; charset=us-ascii
organization: Flashnet Communications, http://www.flash.net
mime-version: 1.0
reply-to: jomak@flash.net

newsgroups: rec.radio.swap,rec.ham-radio.swap,rec.ham-radio,rec.radio.amateur,radio.equipment,rec.radio.amateur.misc,red.radio.amateur.swap,rec.radio.scanner
x-mailer: Mozilla 3.0Gold (Win95; I)

Mark Watson wrote:
>
> SWW wrote:
> >
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> > > down to save it.... I'm sick.......I should've left well enough alone!
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> > >
> > > THANK YOU!!
> > >
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> >
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>
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> Didnt tell them the cell mod was done, just that I got it for a christ-
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> didnt work at all........We'll see....Like I said I fedexed it today..
> hopefully I'll have it back in a few weeks in working order!!!
>
> Thanks for the post..
>
> MARK

Unfortunately you will most likely get a nice note telling you that you
have voided your warranty. The mod is probably the first thing they will
look for and in the unlikely event they do just fix it, they will be
required to undo the mod when they send it back to you.

Joe

```
From -7065870683514185188
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,58d732dd94946729
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,58d732dd94946729
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,58d732dd94946729
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,58d732dd94946729
X-Google-Attributes: gidf76e2,public
From: "jls" <jls@tminet.com>
Subject: Re: MINT KNWD TS-940S/at
Date: 1997/02/05
Message-ID: <01bc139a$815d54c0$258491d0@localhost.tminet.com>#1/1
X-Deja-AN: 214670736
references: <32F7BC2D.6003@netusa.net>
organization: Pacific Bell Internet Services
newsgroups: rec.ham-radio.swap,rec.ham-
radio,rec.radio.amateur.equipment,rec.radio.swap
```

These rigs are commonly selling for around $1000 so why is yours worth $1450?

Jeff Singer <k2kv@netusa.net> wrote in article
<32F7BC2D.6003@netusa.net>...

> Truly as new Kenwood TS-940S/at with IF-10B interface. Radio has been
> COMPLETELY reliable, has never needed any work whatsoever. FLAWLESS.
> Includes pair of 500hz cw filters and SP-940 speaker. MARS capable (I am
> licensed MARS op). Original box & manual...... $1450.
>
> Contact me at 516-754-6808
> Thanks & 73 de Jeff K2KV
> k2kv@netusa.net
>

```
From 6854126608903816315
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,58d732dd94946729
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,58d732dd94946729
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108122,58d732dd94946729
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,58d732dd94946729
X-Google-Attributes: gidf76e2,public
From: dick@merlin.libelle.com (Dick Flanagan)
Subject: Re: MINT KNWD TS-940S/at
Date: 1997/02/05
Message-ID: <dick-ya02408000R0502971900180001@news.zippo.com>#1/1
X-Deja-AN: 214783097
```

```
references: <32F7BC2D.6003@netusa.net>
<01bc139a$815d54c0$258491d0@localhost.tminet.com>
content-type: text/plain; charset=ISO-8859-1
organization: Libelle Productions, Inc., Minden, Nevada USA
mime-version: 1.0
newsgroups: rec.ham-radio.swap,rec.ham-
radio,rec.radio.amateur.equipment,rec.radio.swap
```

The IF-10B is very difficult to find and worth quite a bit when you do. The two CW filters will cost your around $140 used and the SP-940 speaker comes with switchable audio filters and goes for around $150 when you can find them used.

So while a really clean 940SAT usually goes for about $1100, those extras can reasonably take the price up into the $1450 range. If the rig has a high serial number, the seller might be able to get his asking price. More than likely, though, he may find he has to come down closer to $1250-1300 for a quick sale.

<sound of two cents hitting the table top>

In article <01bc139a$815d54c0$258491d0@localhost.tminet.com>, "jls" <jls@tminet.com> wrote:

>These rigs are commonly selling for around $1000 so why is yours worth
>$1450?
>
>Jeff Singer <k2kv@netusa.net> wrote in article
><32F7BC2D.6003@netusa.net>...
>> Truly as new Kenwood TS-940S/at with IF-10B interface. Radio has been
>> COMPLETELY reliable, has never needed any work whatsoever. FLAWLESS.
>> Includes pair of 500hz cw filters and SP-940 speaker. MARS capable (I am
>> licensed MARS op). Original box & manual...... $1450.

--
Dick Flanagan W6OLD CFII Minden, Nevada
Visit http://wadg.greatbasin.net/siera/

```
From 9159695747232607032
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,163a61f93d28b16d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,163a61f93d28b16d
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,163a61f93d28b16d
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa029,163a61f93d28b16d
X-Google-Attributes: gidfa029,public
X-Google-Thread: f76e2,163a61f93d28b16d
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,163a61f93d28b16d
```

X-Google-Attributes: gidfa656,public
X-Google-Thread: 14ad98,163a61f93d28b16d
X-Google-Attributes: gid14ad98,public
X-Google-Thread: fa62e,163a61f93d28b16d
X-Google-Attributes: gidfa62e,public
From: "Don Boekenkruger" <donb@direct.ca>
Subject: Re: !!!!HELP-FT50 MOD!!! HELP
Date: 1997/02/06
Message-ID: <01bc13ed$bdac64e0$3bb422cf@Don.intergate.bc.ca>#1/1
X-Deja-AN: 214780019
references: <32F785E5.33EE@talon.net>
organization: Burnaby Radio Communications
reply-to: "Don Boekenkruger" <donb@burnabyradio.com>
newsgroups: rec.radio.swap,rec.ham-radio.swap,rec.ham-radio,rec.radio.amateur,radio.equipment,rec.radio.amateur.misc,red.radio.amateur.swap,rec.radio.scanner

Mark Watson <marko64@talon.net> wrote in article
<32F785E5.33EE@talon.net>...
> WELL HERE GOES!!! I'm sure I'll get harassed like crazy for this...
> Well, I got the mod to work.... FROM 50-999mhz.... NOW heres the
> problem.... I CANT TRASMIT anywhere..........The ptt light doesnt even
> light up... When I hit my 'knob' button to make settings and you're
> supposed to hit PTT to confirm & save it... I have to hold the KNOB
> down to save it.... I'm sick.......I should've left well enough alone!
> CAN ANYONE HELP ME??????   PLEASE???????   I've learned my lesson!!!
>
> If I can just get it to transmit where its supposed to I'll he a
> happy ham!!
>
> THANK YOU!!
>
> MARK WATSON
>

I would take a guess and say that the problem is probably the actual switch inside the radio, since the three button switches on the FT-50R (10R etc) have a tendancy to go bad and require replacing.
I've done the cel mod to my radio and have had no problems, however over time I have had my LAMP button and my PTT button go bad, thus need replacing the switch inside.

Have fun.

Don Boekenkruger, VE7CBT
donb@burnabyradio.com

Burnaby Radio Communications Ltd.

4257 East Hastings Street
Burnaby, BC Cadada V5C 2J5

Phone: (604) 298-5444
Fax: (604) 298-5455
www: http://www.burnabyradio.com/ham/

-

From -5501377478853956795
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,163a61f93d28b16d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,163a61f93d28b16d
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa62e,163a61f93d28b16d
X-Google-Attributes: gidfa62e,public
X-Google-Thread: fa656,163a61f93d28b16d
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1109af,163a61f93d28b16d
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,163a61f93d28b16d
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 14ad98,163a61f93d28b16d
X-Google-Attributes: gid14ad98,public
X-Google-Thread: fa029,163a61f93d28b16d
X-Google-Attributes: gidfa029,public
From: Iduntno@what.net
Subject: Re: !!!!HELP-FT50 MOD!!! HELP
Date: 1997/02/06
Message-ID: <32f9793e.37200153@news.usit.net>#1/1
X-Deja-AN: 214787770
references: <32F785E5.33EE@talon.net>
organization: United States Internet, Inc.
newsgroups: rec.radio.swap,rec.ham-radio.swap,rec.ham-radio,rec.radio.amateur,radio.equipment,rec.radio.amateur.misc,red.radio.amateur.swap,rec.radio.scanner

On Tue, 04 Feb 1997 13:54:29 -0500, Mark Watson <marko64@talon.net> wrote:

>WELL HERE GOES!!! I'm sure I'll get harassed like crazy for this...
>Well, I got the mod to work.... FROM 50-999mhz.... NOW heres the
>problem.... I CANT TRASMIT anywhere.........The ptt light doesnt even
>light up... When I hit my 'knob' button to make settings and you're
>supposed to hit PTT to confirm & save it... I have to hold the KNOB
>down to save it.... I'm sick.......I should've left well enough alone!
>CAN ANYONE HELP ME??????   PLEASE???????   I've learned my lesson!!!

Can't help you. I'd like to buy a FT50 if I could get it to go down to 70mhz. I fly R/C on 72 and it would be handy to listen to signals down there...

```
From 1192803111760802714
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,163a61f93d28b16d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,163a61f93d28b16d
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,163a61f93d28b16d
X-Google-Attributes: gid107ada,public
X-Google-Thread: 14ad98,163a61f93d28b16d
X-Google-Attributes: gid14ad98,public
X-Google-Thread: fa656,163a61f93d28b16d
X-Google-Attributes: gidfa656,public
X-Google-Thread: fa62e,163a61f93d28b16d
X-Google-Attributes: gidfa62e,public
X-Google-Thread: f76e2,163a61f93d28b16d
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa029,163a61f93d28b16d
X-Google-Attributes: gidfa029,public
From: forbescomp@mindspring.com (Thom Forbes)
Subject: Re: !!!!HELP-FT50 MOD!!! HELP
Date: 1997/02/06
Message-ID: <32f94fc5.11700201@news.mindspring.com>#1/1
X-Deja-AN: 214829390
references: <32F785E5.33EE@talon.net> <32F7CE8A.205B@connect.net>
x-server-date: 6 Feb 1997 03:33:47 GMT
content-type: text/plain; charset=us-ascii
organization: MindSpring Enterprises
mime-version: 1.0
newsgroups: rec.radio.swap,rec.ham-radio.swap,rec.ham-
radio,rec.radio.amateur,radio.equipment,rec.radio.amateur.misc,red.radio.amateur.s
wap,rec.radio.scanner
```

>Mark Watson wrote:
>>
>> WELL HERE GOES!!! I'm sure I'll get harassed like crazy for this...
>> Well, I got the mod to work.... FROM 50-999mhz.... NOW heres the
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>> supposed to hit PTT to confirm & save it... I have to hold the KNOB
>> down to save it.... I'm sick.......I should've left well enough alone!
>> CAN ANYONE HELP ME??????   PLEASE???????   I've learned my lesson!!!
>>
>> If I can just get it to transmit where its supposed to I'll he a
>> happy ham!!

>>
>> THANK YOU!!
>>
>> MARK WATSON

Check PTT Lock function. Also, try CPU reset, and remember, a LOW battery may make rig receive normally, but not transmit.

Good Luck!

Thom - KI2N -

From 3667588316191005001
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1113fe,a0d859f64c27547c,start
X-Google-Attributes: gid1113fe,public
X-Google-Thread: 10c9e3,a0d859f64c27547c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,a0d859f64c27547c,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: f76e2,a0d859f64c27547c,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 115af6,a0d859f64c27547c,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: fcc6e,a0d859f64c27547c,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fddbf,a0d859f64c27547c,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fc8b1,a0d859f64c27547c,start
X-Google-Attributes: gidfc8b1,public
From: "Avalon InterConnect User" <dpoynter@avalon.nf.ca>
Subject: Old Shortwave Receiver Info needed?
Date: 1997/02/06
Message-ID: <01bc1445$fe333900$565f65cc@don-s-computer>#1/1
X-Deja-AN: 214870151
organization: The Holland Nurseries Ltd.
newsgroups: fsu.freenet.hamradio.bulletins,rec.antiques.radio+phono,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital,rec.radio.amateur.dx,rec.radio.amateur.equi

This is my first time posting to a NewsGroup, so I hope I get it right! I have an old radio that belonged to my father and I would like to know more about it (when made, amount produced, value etc.) Can anyone out there help? Its a General Electric X-371 Receiver. It is a large table top radio 24inches wide, 15inches high, 15inches deep and weighs about 50lbs. It has a magahony cabinet with front speaker and shows 12 bands in a semi-circle in a front window. With it I have a booklet called "International General Electric Radio Handbook" produced by World Radio

Handbook, this was prepared by O.Lund.Johansen of Hellerup, Denmark. This
radio would have arrived in our house about 1957-58. I live in
Newfoundland in Canada and am interested in setting up the radio to listen
to shortwave, and I would like help on type of antenna which would be best,
cheapest, easiest to set up? Any help would be appreciated, thanks
Don Poynter
dpoynter@avalon.nf.ca

From -7835989246288211234
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1113fe,a0d859f64c27547c
X-Google-Attributes: gid1113fe,public
X-Google-Thread: 10c9e3,a0d859f64c27547c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,a0d859f64c27547c
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fc8b1,a0d859f64c27547c
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f76e2,a0d859f64c27547c
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 115af6,a0d859f64c27547c
X-Google-Attributes: gid115af6,public
X-Google-Thread: 10c2ee,a0d859f64c27547c
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fcc6e,a0d859f64c27547c
X-Google-Attributes: gidfcc6e,public
From: DrPepper@iwvisp.com (Dr Pepper)
Subject: Re: Old Shortwave Receiver Info needed?
Date: 1997/02/06
Message-ID: <32fa1780.4738214@news.iwvisp.com>#1/1
X-Deja-AN: 214898989
references: <01bc1445$fe333900$565f65cc@don-s-computer>
content-type: text/plain; charset=us-ascii
organization: The Scannerist
mime-version: 1.0
newsgroups: fsu.freenet.hamradio.bulletins,rec.antiques.radio+phono,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital,rec.radio.amateur.dx,rec.radio.amateur.equi

That's sounds like a great radio. It was probably built before WWII,
in the 1930's. If the tubes are still good (and they *should* be), it
will give you many hours of pleasure. I would use a long wire antenna,
and be sure to ground the chassis IF there is a connection on the back
of the chassis. Be careful, though, some of these radios had a *HOT*
chassis (one side of the 115 v line is on the chassis)

"Avalon InterConnect User" <dpoynter@avalon.nf.ca> wrote:

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>Handbook, this was prepared by O.Lund.Johnansen of Hellerup, Denmark. This
>radio would have arrived in our house about 1957-58. I live in
>Newfoundland in Canada and am interested in setting up the radio to listen
>to shortwave, and I would like help on type of antenna which would be best,
>cheapest, easiest to set up? Any help would be appreciated, thanks
>Don Poynter
>dpoynter@avalon.nf.ca
>

Dr. Pepper
Good ALL the time:]

From 3457370535420604913
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1113fe,a0d859f64c27547c
X-Google-Attributes: gid1113fe,public
X-Google-Thread: 10c9e3,a0d859f64c27547c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,a0d859f64c27547c
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fddbf,a0d859f64c27547c
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 115af6,a0d859f64c27547c
X-Google-Attributes: gid115af6,public
X-Google-Thread: fcc6e,a0d859f64c27547c
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fc8b1,a0d859f64c27547c
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f76e2,a0d859f64c27547c
X-Google-Attributes: gidf76e2,public
From: rwclark@rwclark.seanet.com (Richard W. Clark)
Subject: Re: Old Shortwave Receiver Info needed?
Date: 1997/02/06
Message-ID: <5ddefd$i62@q.seanet.com>#1/1
X-Deja-AN: 214918752
references: <01bc1445$fe333900$565f65cc@don-s-computer>
organization: Seanet Online Services, Seattle WA
newsgroups: fsu.freenet.hamradio.bulletins,rec.antiques.radio+phono,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital,rec.radio.amateur.dx,rec.radio.amateur.equi

"Avalon InterConnect User" <dpoynter@avalon.nf.ca> wrote:

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>It has a magahony cabinet with front speaker and shows 12 bands in a
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>"International General Electric Radio Handbook" produced by World Radio
>Handbook, this was prepared by O.Lund.Johnansen of Hellerup, Denmark. This
>radio would have arrived in our house about 1957-58. I live in
>Newfoundland in Canada and am interested in setting up the radio to listen
>to shortwave, and I would like help on type of antenna which would be best,
>cheapest, easiest to set up? Any help would be appreciated, thanks
>Don Poynter
>dpoynter@avalon.nf.ca

Hi Don,

The simple antenna solution is to hang as much wire in the sky as possible. Make it easy on yourself at first, and do it in stages until you see no further improvment at the lowest frequency you are interested in.

There is a more serious issue to be taken care of before the antenna. If this rig has not been turned on in a number of years, there may be a fire hazard. The filter caps in the power supply are undoubtedly getting on, and these items do not last forever. Flipping on the radio may give you a hiss and several stations, and give the impression of being in a working state. This may be a false security. There may also be no problem. The compelling evidence will be a small explosion (fully contained within the radio) and smoke and/or flames afterward if not unplugged.

The technical solution is to plug the radio into a variac and sloooowly raise the variac output over a period of hours (or days) from 0 to 115VAC. This will allow the old electrolytics to re-form their chemistry (if you are lucky) and let life continue as though no years have passed. Many of these radios work quite well after this slow wakeup call. Simple evidence of how robust they are is in the amount of 60/120 Hz hum you hear with everything turned all the way down. This can vary from zilch to Mt. Saint Helens rumble. Anything above 3 on the richter scale suggests replacement of these power components ($20 for parts (before markup) and $100 labor).

73's and happy DX'ing
Richard Clark, KB7QHC, WPE0EPH

From -7385034389966286197
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,58d732dd94946729
X-Google-Attributes: gid10c9e3,public

```
X-Google-Thread: 108122,58d732dd94946729
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,58d732dd94946729
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,58d732dd94946729
X-Google-Attributes: gidf76e2,public
From: "Madd DOG!" <bmoceri@flash.net>
Subject: Re: MINT KNWD TS-940S/at
Date: 1997/02/06
Message-ID: <32FA462F.1980@flash.net>#1/1
X-Deja-AN: 214926731
references: <32F7BC2D.6003@netusa.net>
<01bc139a$815d54c0$258491d0@localhost.tminet.com>
content-type: text/plain; charset=us-ascii
organization: Flashnet Communications, http://www.flash.net
mime-version: 1.0
reply-to: bmoceri@flash.net
newsgroups: rec.ham-radio.swap,rec.ham-
radio,rec.radio.amateur.equipment,rec.radio.swap
x-mailer: Mozilla 3.0 (Win95; U)


jls wrote:
>
> These rigs are commonly selling for around $1000 so why is yours worth
> $1450?
>
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> <32F7BC2D.6003@netusa.net>...
> > Truly as new Kenwood TS-940S/at with IF-10B interface. Radio has been
> > COMPLETELY reliable, has never needed any work whatsoever. FLAWLESS.
> > Includes pair of 500hz cw filters and SP-940 speaker. MARS capable (I am
> > licensed MARS op). Original box & manual...... $1450.
> >
> > Contact me at 516-754-6808
> > Thanks & 73 de Jeff K2KV
> > k2kv@netusa.net
> >


Watch out its the PRICE POLICE!!!!!!!!!!!!
Self appointed of course!
                   BDM




From -2005818161214946185
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,163a61f93d28b16d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,163a61f93d28b16d
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,163a61f93d28b16d
```

X-Google-Attributes: gid107ada,public
X-Google-Thread: fa029,163a61f93d28b16d
X-Google-Attributes: gidfa029,public
X-Google-Thread: f76e2,163a61f93d28b16d
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,163a61f93d28b16d
X-Google-Attributes: gidfa656,public
X-Google-Thread: 14ad98,163a61f93d28b16d
X-Google-Attributes: gid14ad98,public
X-Google-Thread: fa62e,163a61f93d28b16d
X-Google-Attributes: gidfa62e,public
From: MIW <marko64@talon.net>
Subject: Re: !!!!HELP-FT50 MOD!!! HELP
Date: 1997/02/06
Message-ID: <32FA9337.5D7D@talon.net>#1/1
X-Deja-AN: 214987709
distribution: world
references: <32F785E5.33EE@talon.net> <32F7CE8A.205B@connect.net>
<32f94fc5.11700201@news.mindspring.com>
<NEWTNews.855265791.3050.dr7zyq@nidlink.com>
content-type: text/plain; charset=us-ascii
organization: Microserve Information Systems (800)-380-INET
mime-version: 1.0
newsgroups:
red.radio.amateur.swap,rec.radio.swap,rec.radio.scanner,rec.radio.amateur.misc,rec.radio.amateur,rec.ham-radio.swap,rec.ham-radio,radio.equipment
x-mailer: Mozilla 3.0 (Win95; I)

dr7zyq@rand.nidlink.com wrote:
>
> How do you do a cpu reset on these things?
>
> David, WA7ZYQ

David,
push KNOB & MON then power on then immediately hit your FW key which is the Function button......

That does a CPU master reset....

MARK

From 8885767993675486846
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1113fe,a0d859f64c27547c
X-Google-Attributes: gid1113fe,public
X-Google-Thread: 10c9e3,a0d859f64c27547c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,a0d859f64c27547c

X-Google-Attributes: gidfddbf,public
X-Google-Thread: 115af6,a0d859f64c27547c
X-Google-Attributes: gid115af6,public
X-Google-Thread: 10c2ee,a0d859f64c27547c
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fc8b1,a0d859f64c27547c
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f76e2,a0d859f64c27547c
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fcc6e,a0d859f64c27547c
X-Google-Attributes: gidfcc6e,public
From: orion@capital.net**
Subject: Re: Old Shortwave Receiver Info needed?
Date: 1997/02/07
Message-ID: <32fab6ed.46367078@news.capital.net>#1/1
X-Deja-AN: 215011763
references: <01bc1445$fe333900$565f65cc@don-s-computer>
content-type: text/plain; charset=us-ascii
mime-version: 1.0
newsgroups: fsu.freenet.hamradio.bulletins,rec.antiques.radio+phono,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital,rec.radio.amateur.dx,rec.radio.amateur.equi

On 6 Feb 97 15:48:10 GMT, "Avalon InterConnect User"
<dpoynter@avalon.nf.ca> wrote:

>This is my first time posting to a NewsGroup, so I hope I get it right! I
>have an old radio that belonged to my father and I would like to know more
>about it (when made, amount produced, value etc.) Can anyone out there
>help? Its a General Electric X-371 Receiver. It is a large table top
>radio 24inches wide, 15inches high, 15inches deep and weighs about 50lbs.
>It has a magahony cabinet with front speaker and shows 12 bands in a
>semi-circle in a front window. With it I have a booklet called
>"International General Electric Radio Handbook" produced by World Radio
>Handbook, this was prepared by O.Lund.Johnansen of Hellerup, Denmark. This
>radio would have arrived in our house about 1957-58. I live in
>Newfoundland in Canada and am interested in setting up the radio to listen
>to shortwave, and I would like help on type of antenna which would be best,
>cheapest, easiest to set up? Any help would be appreciated, thanks
>Don Poynter
>dpoynter@avalon.nf.ca
>

Try the rec.radio.amateur.boatanchors newsgroup. (boatanchor is the
affectionate name given to old, heavy tube radios.) There are a lot of
enthusiasts of old radios on that group. Someone there can give you
info on your X-371.

--
73,
Butch N2YMJ
To send mail, delete

the two stars at the
end of my address.

From 3092730699416050056
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1113fe,a0d859f64c27547c
X-Google-Attributes: gid1113fe,public
X-Google-Thread: 10c9e3,a0d859f64c27547c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,a0d859f64c27547c
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: f76e2,a0d859f64c27547c
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc8b1,a0d859f64c27547c
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 115af6,a0d859f64c27547c
X-Google-Attributes: gid115af6,public
X-Google-Thread: fddbf,a0d859f64c27547c
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fcc6e,a0d859f64c27547c
X-Google-Attributes: gidfcc6e,public
From: KolsterBrandes <rex@g0mwh.demon.co.uk>
Subject: Re: Old Shortwave Receiver Info needed?
Date: 1997/02/07
Message-ID: <SAIfWBANKu+yEwiD@g0mwh.demon.co.uk>#1/1
X-Deja-AN: 215037980
distribution: world
x-nntp-posting-host: g0mwh.demon.co.uk
references: <01bc1445$fe333900$565f65cc@don-s-computer>
organization: CyberMaus
mime-version: 1.0
newsgroups: fsu.freenet.hamradio.bulletins,rec.antiques.radio+phono,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital,rec.radio.amateur.dx,rec.radio.amateur.equi

In article <5ddefd$i62@q.seanet.com>, "Richard W. Clark"
<rwclark@rwclark.seanet.com> writes
>
>The technical solution is to plug the radio into a variac and sloooowly
>raise the variac output over a period of hours (or days) from 0 to 115VAC.
>This will allow the old electrolytics to re-form their chemistry (if you
>are lucky) and let life continue as though no years have passed.

Agreed.....

But runing up with a variac also reduces the fil voltage...so while it
puts less B+ on the caps it also reduces tube life...they dont like
being run at a lower voltage and develop "Cathode Scaling" (junk
deposited on the cathode that requires a period of OVERvoltage to
remove).

I always break the center tap of the B+ transformer and insert a series of resistors, starting with 1Meg for a day, then 1/2 Meg..and so on thru a few K until the Caps are fully reformed....

Of course if the poster of the origional int a teccie he could be (un)pleasently shocked during the process!

--
73 de Rex J Atkins G0MWH
  BBS G0MWH @ GB7UWS
E-Mail Rex@g0mwh.demon.co.uk

From 946027985311009501
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,89e466ba003e2891,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,89e466ba003e2891,start
X-Google-Attributes: gid108122,public
From: Jeff Singer <k2kv@netusa.net>
Subject: MARS for 1000MP?
Date: 1997/02/07
Message-ID: <32FB5610.2D29@netusa.net>#1/1
X-Deja-AN: 215099341
content-type: text/plain; charset=us-ascii
organization: Network Internet Services (516) 543-0240
mime-version: 1.0
reply-to: k2kv@netusa.net
newsgroups: rec.radio.amateur.equipment,rec.ham-radio
x-mailer: Mozilla 3.01Gold (Win95; I)

Does anyone know the correct procedure for modifying the 1000MP for MARS? I am licensed and active MARS op (AAR2CF) but after 3 months I am still waiting to receive my actual license in the mail, and YAESU will NOT give me the procedure without that license.

The mod for the 1000 is available, but I don't think it is the same for the MP.

Please reply email direct. Thanks in advance.
73 de Jeff K2KV
k2kv@netusa.net

From 6879064195243922508
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,58d732dd94946729
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,58d732dd94946729

X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,58d732dd94946729
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,58d732dd94946729
X-Google-Attributes: gidf76e2,public
From: Jeff Singer <k2kv@netusa.net>
Subject: FS: Vibroplex Chrome DELUXE iambic paddle
Date: 1997/02/07
Message-ID: <32FBB39B.2077@netusa.net>#1/1
X-Deja-AN: 215180939
references: <32F7BC2D.6003@netusa.net>
content-type: text/plain; charset=us-ascii
organization: Network Internet Services (516) 543-0240
mime-version: 1.0
reply-to: k2kv@netusa.net
newsgroups: rec.ham-radio.swap,rec.ham-radio,rec.radio.amateur.equipment,rec.radio.swap
x-mailer: Mozilla 3.01Gold (Win95; I)

I have for sale a Vibroplex chrome DELUXE iambic paddle with custom chromed four-button memory keyer bar attached to right side. This is a VERY beautiful paddle, in mint (absolutely like new) condition, with red fingertips. Memory buttons (also red) are set up for AEA MorseMachine, but will work with any modern memory keyer (or can be removed if you wish). Very special... $125.00

Contact me at 516-754-6808
Thanks & 73 de Jeff K2KV
k2kv@netusa.net

From 7051087150300064586
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,58d732dd94946729
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,58d732dd94946729
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,58d732dd94946729
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,58d732dd94946729
X-Google-Attributes: gidf76e2,public
From: Jeff Singer <k2kv@netusa.net>
Subject: FS: MINT KNWD TS-940S/at
Date: 1997/02/07
Message-ID: <32FBAEC9.89A@netusa.net>#1/1
X-Deja-AN: 215181350
references: <32F7BC2D.6003@netusa.net>
content-type: text/plain; charset=us-ascii
organization: Network Internet Services (516) 543-0240
mime-version: 1.0
reply-to: k2kv@netusa.net

newsgroups: rec.ham-radio.swap,rec.ham-radio,rec.radio.amateur.equipment,rec.radio.swap
x-mailer: Mozilla 3.01Gold (Win95; I)

Truly as new Kenwood TS-940S/at with IF-10B interface. Radio has been COMPLETELY reliable, has never needed any work whatsoever. FLAWLESS. Includes pair of 500hz cw filters and SP-940 speaker. 10-mil serial number. MARS enabled (I am licensed MARS op). Original box & manual...... $1450.

Contact me at 516-754-6808 or email
Thanks & 73 de Jeff K2KV
k2kv@netusa.net

From 6917509169990401079
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,82511628f552d359
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,82511628f552d359
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,82511628f552d359
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,82511628f552d359
X-Google-Attributes: gidf76e2,public
From: Jeff Singer <k2kv@netusa.net>
Subject: Re: FS: TIMEWAVE DSP-59+
Date: 1997/02/07
Message-ID: <32FBADFC.46F4@netusa.net>#1/1
X-Deja-AN: 215181389
references: <32F7BCEB.3154@netusa.net>
content-type: text/plain; charset=us-ascii
organization: Network Internet Services (516) 543-0240
mime-version: 1.0
reply-to: k2kv@netusa.net
newsgroups: rec.ham-radio.swap,rec.ham-radio,rec.radio.amateur.equipment,rec.radio.swap
x-mailer: Mozilla 3.01Gold (Win95; I)

Top of the line DSP audio filter. Retails for $260 - $270.
As new in original box with manual, ver 3.04... $195.

Call me at 516-754-6808
Thanks & 73 de Jeff K2KV
k2kv@netusa.net

From -703983996307347769
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1113fe,a0d859f64c27547c
X-Google-Attributes: gid1113fe,public
X-Google-Thread: 10c9e3,a0d859f64c27547c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc8b1,a0d859f64c27547c
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fddbf,a0d859f64c27547c
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10c2ee,a0d859f64c27547c
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fcc6e,a0d859f64c27547c
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 115af6,a0d859f64c27547c
X-Google-Attributes: gid115af6,public
X-Google-Thread: f76e2,a0d859f64c27547c
X-Google-Attributes: gidf76e2,public
From: Walter Spector <wws@renaissance.cray.com>
Subject: Re: Old Shortwave Receiver Info needed?
Date: 1997/02/07
Message-ID: <32FBC298.1F9D@renaissance.cray.com>#1/1
X-Deja-AN: 215191866
references: <01bc1445$fe333900$565f65cc@don-s-computer>
content-type: text/plain; charset=us-ascii
organization: Are you kidding?
mime-version: 1.0
newsgroups: fsu.freenet.hamradio.bulletins,rec.antiques.radio+phono,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital,rec.radio.amateur.dx,rec.radio.amateur.equi
x-mailer: Mozilla 3.01 (X11; I; SunOS 5.4 sun4m)

Avalon InterConnect User wrote:

> ... I have a booklet called
> "International General Electric Radio Handbook" produced by World Radio
> Handbook, this was prepared by O.Lund.Johnansen of Hellerup, Denmark. This
> radio would have arrived in our house about 1957-58.

This handbook is probably a collectors item. Johnansen is the original editor of the World Radio and TV Handbook (WRTH) that we buy every year. This year being the 50th year of the WRTH's publication, they had a historical article about Johnansen and his Handbook.

Enjoy!

Walt
--
Walt Spector
(wws@cray.com)
Mountain View, California
_._ _._ _.... _. ._.

```
From 7886371276627823687
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1113fe,a0d859f64c27547c
X-Google-Attributes: gid1113fe,public
X-Google-Thread: 10c9e3,a0d859f64c27547c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115af6,a0d859f64c27547c
X-Google-Attributes: gid115af6,public
X-Google-Thread: fddbf,a0d859f64c27547c
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10c2ee,a0d859f64c27547c
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fcc6e,a0d859f64c27547c
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f76e2,a0d859f64c27547c
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc8b1,a0d859f64c27547c
X-Google-Attributes: gidfc8b1,public
From: rwclark@rwclark.seanet.com (Richard W. Clark)
Subject: Re: Old Shortwave Receiver Info needed?
Date: 1997/02/08
Message-ID: <5divt8$n2g@q.seanet.com>#1/1
X-Deja-AN: 217486638
references: <01bc1445$fe333900$565f65cc@don-s-computer> <5ddefd$i62@q.seanet.com>
<SAIfWBANKu+yEwiD@g0mwh.demon.co.uk>
organization: Seanet Online Services, Seattle WA
newsgroups: fsu.freenet.hamradio.bulletins,rec.antiques.radio+phono,rec.ham-
radio,rec.ham-radio.packet,rec.ham-
radio.swap,rec.radio,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.r
adio.amateur.digital,rec.radio.amateur.dx,rec.radio.amateur.equi
```

KolsterBrandes <rex@g0mwh.demon.co.uk> wrote:

```
>In article <5ddefd$i62@q.seanet.com>, "Richard W. Clark"
><rwclark@rwclark.seanet.com> writes
>>
>>The technical solution is to plug the radio into a variac and sloooowly
>>raise the variac output over a period of hours (or days) from 0 to 115VAC.
>>This will allow the old electrolytics to re-form their chemistry (if you
>>are lucky) and let life continue as though no years have passed.
>Agreed.....

>*But* runing up with a variac also reduces the fil voltage...so while it
>puts less B+ on the caps it also reduces tube life...they dont like
>being run at a lower voltage and develop "Cathode Scaling" (junk
>deposited on the cathode that requires a period of OVERvoltage to
>remove).

>I always break the center tap of the B+ transformer and insert a series
>of resistors, starting with 1Meg for a day, then 1/2 Meg..and so on thru
```

>a few K until the Caps are fully reformed....

>Of course if the poster of the origional int a teccie he could be
>(un)pleasently shocked during the process!

>--
>73 de Rex J Atkins G0MWH
> BBS G0MWH @ GB7UWS
>E-Mail Rex@g0mwh.demon.co.uk

Hi Rex,

The effect on the cathode you are speaking of is from long-term variations of nominal operating voltage. As to the life expectancy, it is quite the opposite. The age of a filament varies by the fourth power of the current applied to it. A 5% reduction of current will lead to a 22% increase of life. However, this is not a practical application for us given such life considering measures also have an impact on the cathode's ability to boil electrons off into the plate current. The cathode scaling you speak of is oxidation and a sign of the cathode being cool. I've commonly "descaled" cathodes by applying 1-2 Kv between the cathode and the first grid for 10-20 seconds, and minutes for a tough dog. These measures are of course last resort attempts not ongoing maintenance items.

Another posting alerted our friend to the ground hazard that may exist. This is a very real threat (it is a 70 V problem derived from the early practice of tying both side of AC mains to common through noise capacitors). When I was in the Navy, I was in charge of a TV/Radio repair project the Navy put on for S.F. charities. We took in 300 TVs and 200 Radios and turned out 125 TVs and 180 Radios in two months with a budget of $50. This was, for my students and staff, the University of Hard Knocks advanced studies program. Real electronics, not blackboard electronics.

One student learned about this hazard the hard way. He assumed that because our ground buss was so long, that it would support TV signals by merely attaching the antenna lines to it. I commended my student for his intuition as he plugged in the TV. We watched as the insulation on the wire drooped off like snow from a telephone line; smoke followed, and then a cheery red glow. It was very instructive (and one reason why I taught my men to keep one hand in their pocket, or behind their back; at sea, everything is at ground potential except you, the load).

73's
Richard Clark, KB7QHC, WPE0EPH

From -3503458726897126474
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1113fe,a0d859f64c27547c
X-Google-Attributes: gid1113fe,public
X-Google-Thread: 10c9e3,a0d859f64c27547c

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc8b1,a0d859f64c27547c
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 115af6,a0d859f64c27547c
X-Google-Attributes: gid115af6,public
X-Google-Thread: fddbf,a0d859f64c27547c
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10c2ee,a0d859f64c27547c
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: f76e2,a0d859f64c27547c
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fcc6e,a0d859f64c27547c
X-Google-Attributes: gidfcc6e,public
From: dmoorman@interaccess.com (Dave Moorman)
Subject: Re: Old Shortwave Receiver Info needed?
Date: 1997/02/09
Message-ID: <dmoorman-0902971703090001@d40.dialnet1.interaccess.com>#1/1
X-Deja-AN: 217666608
references: <01bc1445$fe333900$565f65cc@don-s-computer>
organization: InterAccess, Chicago's best Internet Service Provider
newsgroups: fsu.freenet.hamradio.bulletins,rec.antiques.radio+phono,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital,rec.radio.amateur.dx,rec.radio.amateur.equi

In article <01bc1445$fe333900$565f65cc@don-s-computer>, "Avalon InterConnect User" <dpoynter@avalon.nf.ca> wrote:

>This is my first time posting to a NewsGroup, so I hope I get it right! I
>have an old radio that belonged to my father and I would like to know more
>about it (when made, amount produced, value etc.) Can anyone out there
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>"International General Electric Radio Handbook" produced by World Radio
>Handbook, this was prepared by O.Lund.Johnansen of Hellerup, Denmark. This
>radio would have arrived in our house about 1957-58. I live in
>Newfoundland in Canada and am interested in setting up the radio to listen
>to shortwave, and I would like help on type of antenna which would be best,
>cheapest, easiest to set up? Any help would be appreciated, thanks
>Don Poynter
>dpoynter@avalon.nf.ca

Don - This sounds like an interesting radio. It shouldn't take much of an antenna for you to get European stations. You could get a 20 foot (7 meters) length of any kind of wire and hook it on to the antenna terminal(s) and see what happens. It would be helpful to know what kind of terminals are on the back of the radio. Also, when you start using it for more demanding applications (like SW), you might find that some of the tubes are too deteriorated to perform well. They may need testing and replacement.

What does the "International General Electric Radio Handbook" say about
antennas? Is this a manual for this radio, or a general short wave
manual?

Cheers

Dave, K9SW

--
Dave Moorman   Be big, don't belittle.
Downers Grove
Illinois, USA
http://homepage.interaccess.com/~dmoorman/DavesPage.html

From 6299032149119420276
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd2a0c652894c67b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,cd2a0c652894c67b
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,cd2a0c652894c67b
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,cd2a0c652894c67b
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 107ada,cd2a0c652894c67b
X-Google-Attributes: gid107ada,public
From: Dale Powell <powell@polarnet.com>
Subject: Re: Setting up an antenna tower.
Date: 1997/02/10
Message-ID: <32FFC0D2.64F4@polarnet.com>#1/1
X-Deja-AN: 217926470
references: <01bbeb67$8fcce7b0$0fb919ce@davidh> <597naq$arc@camel5.mindspring.com>
content-type: text/plain; charset=us-ascii
mime-version: 1.0
newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc
x-mailer: Mozilla 3.0 (Win95; I)

Mike Del Pozzo wrote:
>
> "David P. Hummel, Jr." <dhummel@castle.net> wrote:
>
> >I have recently come to own a previously used antenna tower. After months
> >of hard work, I managed to finally get it out of the ground. That was the
> >hard part. But here is the fun part. Anybody have any ideas how I can dig
> >a hole in the ground that is about 2.5ft in diameter and about 6.5ft deep?
> >I tried a post hole digger, but the bits are only about 4 ft deep?   Any
> >suggestions?

>
> >Thank you in advance.
> >David P. Hummel, Jr.
> >KG2BX
>
> Hello David;
> I know noone wants to hear the old macho story about how
> an induvidual completes an unbeleivable feat , but it was worth
> the exercise and $$$ saved when I dug the base of my tower...
> My tower is 80 ft , guyed, and the base is a 3 ft base section of
> Rohn 25 sitting on 24 " of gravel (big chunks). My tower has
> taken 2 direct strikes (I think that's all) and I could not ask for
> a better ground as the rest of the shack remains unharmed. I dug
> the hole with a post hole digger . Created a hole about 36" in DIA
> and about 5 feet deep - so the top of the 36" section is flush with
> the surface of the ground . Sitting on the gravel and who knows
> how many miles of GA clay , the base is plenty sturdy after backfill.
> Speaking of which : after you backfill you need to let the ground set
> backup with frequent wattering.
> I also had a guywire break once and the tower still hardly budged
> I Have a 4 element Quad on a 30 foot boom up there .
> Consider what ur putting up there first . and always listen to all the
> great advice from those " who have been there - done that "
> Gud Luck es 73 de
> Mike KR4TG
test

From 3249154792572435268
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e63fba6413517c2b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,e63fba6413517c2b,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10bf43,e63fba6413517c2b,start
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,e63fba6413517c2b,start
X-Google-Attributes: gid107ada,public
From: fiscus@mcn.net (Vince Fiscus, KB7ADL)
Subject: Could someone REPOST the story about Charlie Whiskey?
Date: 1997/02/11
Message-ID: <5doodp$c5t@news.mcn.net>#1/1
X-Deja-AN: 217957554
organization: Montana Communications Network
newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.policy

Could someone repost the story about the rabbit named Charlie Whiskey? I saw
it in this group about a year ago.

Thanks
73 de KB7ADL
Vince

From 4805460579123874241
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a71d98e44e7122b5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10fcc9,a71d98e44e7122b5,start
X-Google-Attributes: gid10fcc9,public
X-Google-Thread: 109c0d,a71d98e44e7122b5,start
X-Google-Attributes: gid109c0d,public
X-Google-Thread: 11654e,a71d98e44e7122b5,start
X-Google-Attributes: gid11654e,public
X-Google-Thread: 1109af,5cc213ad44b9ccc6
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,a71d98e44e7122b5,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fbdd0,a71d98e44e7122b5,start
X-Google-Attributes: gidfbdd0,public
From: Rick Olson <olson@HIWAAY.net>
Subject: Ham Gear For Sale
Date: 1997/02/12
Message-ID: <3301DE68.8C3@HIWAAY.net>#1/1
X-Deja-AN: 218267467
Content-Type: text/plain; charset=us-ascii
Organization: Intergraph Corporation
Mime-Version: 1.0
Reply-To: olson@HIWAAY.net
Newsgroups: alt.forsale,hsv.forsale,ingr.forsale,misc.forsale,rec.ham-radio.swap,rec.radio.swap,rec.ham-radio
X-Mailer: Mozilla 3.01Gold (WinNT; I)

Alinco DR-600 For Sale $450 shipped UPS
Dual Band, UHF and VHF
45W, 10W, 5W
Like New! Very Nice!

Ranger RCI-2950 $175 shipped UPS
10 Meter Mobile, 25W Variable
28.000 - 29.995
AM/FM/SSB/CW/PA
Excellent Condition

MFJ - 949D Deluxe Tuner $75 shipped UPS
1.8 - 30Mhz
30W - 300W ranges
Good Condition, no hits!

=========================
Rick Olson
olson@hiwaay.net
http://fly.hiwaay.net/~olson/garage.html

From -5987412448341739550
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,438ef6dded7be33a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11654e,438ef6dded7be33a,start
X-Google-Attributes: gid11654e,public
X-Google-Thread: 1109af,438ef6dded7be33a,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 10fcc9,438ef6dded7be33a,start
X-Google-Attributes: gid10fcc9,public
X-Google-Thread: f76e2,438ef6dded7be33a,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 109c0d,438ef6dded7be33a,start
X-Google-Attributes: gid109c0d,public
X-Google-Thread: fbdd0,438ef6dded7be33a,start
X-Google-Attributes: gidfbdd0,public
From: Rick Olson <olson@HIWAAY.net>
Subject: Thunder Tiger 91S 4-Stroke Engine
Date: 1997/02/12
Message-ID: <3301DEEE.2A62@HIWAAY.net>#1/1
X-Deja-AN: 218268624
Content-Type: text/plain; charset=us-ascii
Organization: Intergraph Corporation
Mime-Version: 1.0
Reply-To: olson@HIWAAY.net
Newsgroups: alt.forsale,hsv.forsale,ingr.forsale,misc.forsale,rec.ham-radio.swap,rec.radio.swap,rec.ham-radio
X-Mailer: Mozilla 3.01Gold (WinNT; I)

For Sale...

Thunder Tiger 91S 4-Stroke
Like New, Only run twice on the bench.
Was to much motor for my plane...

$150 shipped UPS Ground, or US Mail in the US

Rick Olson
olson@hiwaay.net
http://fly.hiwaay.net/~olson/garage.html

From -6407532052110302655
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,cd2a0c652894c67b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,cd2a0c652894c67b
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,cd2a0c652894c67b
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,cd2a0c652894c67b
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,cd2a0c652894c67b
X-Google-Attributes: gidfa656,public
From: Bill W <w5ikb@detnet.com>
Subject: Re: Setting up an antenna tower.
Date: 1997/02/14
Message-ID: <3304FFDE.7B2C@detnet.com>#1/1
X-Deja-AN: 218847285
References: <01bbeb67$8fcce7b0$0fb919ce@davidh> <597naq$arc@camel5.mindspring.com>
<32FFC0D2.64F4@polarnet.com>
Content-Type: text/plain; charset=us-ascii
Organization: Unknown Organization
Mime-Version: 1.0
Reply-To: w5ikb@detnet.com
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc
X-Mailer: Mozilla 3.01 (Win95; I)

Dale Powell wrote:
>
> Mike Del Pozzo wrote:
> >
> > "David P. Hummel, Jr." <dhummel@castle.net> wrote:
> >
> > >I have recently come to own a previously used antenna tower. After months
> > >of hard work, I managed to finally get it out of the ground. That was the
> > >hard part. But here is the fun part. Anybody have any ideas how I can dig
> > >a hole in the ground that is about 2.5ft in diameter and about 6.5ft deep?
> > >I tried a post hole digger, but the bits are only about 4 ft deep?   Any
> > >suggestions?
> >
> > >Thank you in advance.
> > >David P. Hummel, Jr.
> > >KG2BX
> >
> > Hello David;
> > I know noone wants to hear the old macho story about how
> > an induvidual completes an unbeleivable feat , but it was worth
> > the exercise and $$$ saved when I dug the base of my tower...
> > My tower is 80 ft , guyed, and the base is a 3 ft base section of
> > Rohn 25 sitting on 24 " of gravel (big chunks). My tower has
> > taken 2 direct strikes (I think that's all) and I could not ask for
> > a better ground as the rest of the shack remains unharmed. I dug
> > the hole with a post hole digger . Created a hole about 36" in DIA

> > and about 5 feet deep - so the top of the 36" section is flush with
> > the surface of the ground . Sitting on the gravel and who knows
> > how many miles of GA clay , the base is plenty sturdy after backfill.
> > Speaking of which : after you backfill you need to let the ground set
> > backup with frequent wattering.
> > I also had a guywire break once and the tower still hardly budged
> > I Have a 4 element Quad on a 30 foot boom up there .
> > Consider what ur putting up there first . and always listen to all the
> > great advice from those " who have been there - done that "
> > Gud Luck es 73 de
> > Mike KR4TG
> test

David,
Check with your friendly power company or telephone company. They
have post hole diggers (hand type) that are long enough to handle
your job. Good luck.
Bill

From -5031954574335697131
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd2a0c652894c67b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,cd2a0c652894c67b
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,cd2a0c652894c67b
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,cd2a0c652894c67b
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,cd2a0c652894c67b
X-Google-Attributes: gidfa656,public
From: hainess@ocean.com.au
Subject: Re: Setting up an antenna tower.
Date: 1997/02/15
Message-ID: <33061e5c.4661210@news.ocean.com.au>#1/1
X-Deja-AN: 218886779
References: <01bbeb67$8fcce7b0$0fb919ce@davidh> <597naq$arc@camel5.mindspring.com>
<32FFC0D2.64F4@polarnet.com>
Organization: Australian Business Access Pty Ltd
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc

On Mon, 10 Feb 1997 15:44:02 -0900, Dale Powell <powell@polarnet.com>
wrote:

>Mike Del Pozzo wrote:
>>
>> "David P. Hummel, Jr." <dhummel@castle.net> wrote:
>>
>> >I have recently come to own a previously used antenna tower. After months

>> >of hard work, I managed to finally get it out of the ground. That was the
>> >hard part. But here is the fun part. Anybody have any ideas how I can dig
>> >a hole in the ground that is about 2.5ft in diameter and about 6.5ft deep?
>> >I tried a post hole digger, but the bits are only about 4 ft deep?   Any
>> >suggestions?
>>
>> >Thank you in advance.
>> >David P. Hummel, Jr.
>> >KG2BX
>>

Hi David,

Just before christmas I had a 55ft crank up/tilt over tower erected
here. The guy who installed it used a post hole digger to about 4ft
deep (as you mention), but after that he had an orgre bit to continue
to approx 8ft down.
The orgre bit consists of a circular cutting ring, just like a big
hole saw, but with the top open. Mine was about 12inches diameter,
with a wall height of about 6 to 8 inches.
The orgre bit must be the diameter of the hole you are digging.
The concept is that you cut into the earth creating a circular cut
around the circumference only.
With a crow-bar, or heavy steel pole, you must then compress the earth
inside the orgre after you have cut into the earth. Once the earth
inside the bit is compressed, you can lift the orgre out of the ground
and the earth will remain inside the bit.
A few hard whacks on the surface will remove the compressed earth from
the bit, and you can start over again.
The concept is a bit slow, but it works well.
The deeper you go, the more clay (and harder) the earth gets, this
makes the concept better, as the more dense earth tends to stay within
the orgre bit as you lift it out of the hole.
Let me know what you think.

73
Steve
VK3DBL

>> Hello David;
>> I know noone wants to hear the old macho story about how
>> an induvidual completes an unbeleivable feat , but it was worth
>> the exercise and $$$ saved when I dug the base of my tower...
>> My tower is 80 ft , guyed, and the base is a 3 ft base section of
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>> the hole with a post hole digger . Created a hole about 36" in DIA
>> and about 5 feet deep - so the top of the 36" section is flush with
>> the surface of the ground . Sitting on the gravel and who knows
>> how many miles of GA clay , the base is plenty sturdy after backfill.
>> Speaking of which : after you backfill you need to let the ground set
>> backup with frequent wattering.

>> I also had a guywire break once and the tower still hardly budged
>> I Have a 4 element Quad on a 30 foot boom up there .
>> Consider what ur putting up there first . and always listen to all the
>> great advice from those " who have been there - done that "
>> Gud Luck es 73 de
>> Mike KR4TG
>test
>

From 1344696560943294 98
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d20abf685b1ff6b2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,d20abf685b1ff6b2,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fcc6e,d20abf685b1ff6b2,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f76e2,d20abf685b1ff6b2,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,d20abf685b1ff6b2,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,d20abf685b1ff6b2,start
X-Google-Attributes: gid107ada,public
From: RGYoung <RGYoung@prodigy.net>
Subject: Dxer's QTH for sale Repost
Date: 1997/02/15
Message-ID: <33060A36.7A6F@prodigy.net>#1/1
X-Deja-AN: 219021927
Content-Type: text/plain; charset=us-ascii
Organization: Prodigy Internet
Mime-Version: 1.0
Reply-To: RGYoung@prodigy.net
Newsgroups:
rec.radio.swap,rec.radio.shortwave,rec.radio.amateur.antenna,rec.radio.amateur.misc,rec.ham-radio.swap,rec.ham-radio
X-Mailer: Mozilla 3.0 (Win95; I)

Baton Rouge, La.

Three years after setting up this station here in Baton Rouge, I've been transferred to FLa. I really would like to leave the antenna system intact when the house is sold, but if I have to, I'll sell it seperately or take it with me.

This is a charming 3Br/2Ba 1670 sq. ft. brick home on a 110' X 150' lot in an established subdivision which has NO ANTENNA RESTRICTIONS. The house was built in 1960, was completely remodeled three years ago, has a chain linked fenced back yard, 4 huge and beautiful "Live Oak" trees (2 in the front and 2 in the back), and is 2 blocks from the elementary school. With the property valued at $85,000, the taxes last year were $61.00.

The Antenna System consists of: Commercial grade extreme duty aluminum 80' self supporting motorized crank up tower which I had custom built. This is a triangular tower measuring 36" per side at the base. Rotor is a Yaesu variable speed G1000SDX. 15' of $10/ft. extreme heavy wall mast puts the KT34XA KLM beam (2 years old, had a mosely PRO67B up for first year) at about 92'. 10' below that is the Cushcraft "Skywalker" 2 element 40 meter beam (also 2 years old). An Ameritron five position switch box at the 40' level directs the 5 element 80 meter half wave sloper array (f to b ratio confirmed many times by DX stations to be at least 20db.) At the 80' level is a 13 element Cushcraft 2 meter beam on a seperate side mounted rotor. All coax (mil spec RG213) and other cabling is neatly bundled and enters the shack via the attic and internally through the inside of the walls. The ground system consists of 2,800 feet of #4 bare copper wire buried 6" deep in a grid with 10' centers throughout the entire yard. (the neighbors REALLY knew I was a lunitic when they saw me putting it in) All junctions are soldered...and the whole thing is tied to four 8' ground rods under the 6' deep tower foundation(6' X 6' X 6' of 4000lb psi peagravel concrete with 180 lbs of tied rebar), four ground rods at the far corners, and 2 rods on the sides of the house. I put this station on the air in Jan '93, and since that time I have compiled in leisure time 302 countries confirmed (all bands), 5 Band DXCC (plaque dated March 27, 1995), 216 confirmed on 40 meters, and 186 on 80 meters. Last year I strung up a 160 meter inverted vee for 2 week ends and won CQ 160 meter phone contest for the state of Louisiana.

The rest of the station which I'm taking with me regardless, is a Kenwood TS950SDX, Ameritron AL-1500, and several hundred pounds of various other junk.

The price for this very nice home with all antenna equipment mentioned above is $84,900.00. I might point out that property values in this part of the country are quite low compared to most of the rest of the country....as are the taxes. La. has a $75,000 "Homestead" Exemption, which means that the first $75,000 of a home's value is tax free.

The antenna System alone is $5,000.00 (I've got almost $9,000 in it) I'll take it down, you ship or haul it off.

Bob Young W8LAQ
Baton Rouge, La.
email to RGYoung@prodigy.net   or call 504 922-9989

From -5871843145004719576
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16822d015db14612,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,16822d015db14612,start

X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,16822d015db14612,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1031c8,16822d015db14612,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,16822d015db14612,start
X-Google-Attributes: gidfa656,public
From: "Ben P. Cook" <bcook@juno.com>
Subject: MARS
Date: 1997/02/15
Message-ID: <3306555C.E43@juno.com>#1/1
X-Deja-AN: 219069333
Content-Type: text/plain; charset=us-ascii
Mime-Version: 1.0
Reply-To: bcook@juno.com
Newsgroups:
rec.radio.amateur,rec.radio.amateur.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.ham-radio
X-Mailer: Mozilla 3.01 (Win95; I)

Help!

I was intrested in the navy MARS program, but I can't find anywhere to get information on it. If anyone could help me out in anyway, I'd REALLY apreciate it. Thanks!

-Ben Cook, KE6YPF

From -7234011161957945532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16822d015db14612
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,16822d015db14612
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,16822d015db14612
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,16822d015db14612
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1031c8,16822d015db14612
X-Google-Attributes: gid1031c8,public
From: crow@summit.net
Subject: Re: MARS
Date: 1997/02/15
Message-ID: <NEWTNews.856056104.15724.crow@crow.summit.net>#1/1
X-Deja-AN: 219083163
References: <3306555C.E43@juno.com>
Content-Type: TEXT/PLAIN; charset=US-ASCII
Organization: Summit Communications
Mime-Version: 1.0
Newsgroups:

```
rec.radio.amateur.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radi
o.amateur,rec.ham-radio



In Article<3306555C.E43@juno.com>, <bcook@juno.com> writes:
> Path: news.summit.net!news-out.internetmci.com!newsfeed.internetmci.com!
news.msfc.nasa.gov!www.nntp.primenet.com!nntp.primenet.com!news1.best.com!
nntp2.ba.best.com!not-for-mail
> From: "Ben P. Cook" <bcook@juno.com>
> Newsgroups:
rec.radio.amateur,rec.radio.amateur.swap,rec.radio.amateur.equipment,rec.radio.ama
teur.misc,rec.ham-radio
> Subject: MARS
> Date: Sat, 15 Feb 1997 16:31:24 -0800
> Lines: 7
> Message-ID: <3306555C.E43@juno.com>
> Reply-To: bcook@juno.com
> NNTP-Posting-Host: daedalus.vip.best.com
> Mime-Version: 1.0
> Content-Type: text/plain; charset=us-ascii
> Content-Transfer-Encoding: 7bit
> X-Mailer: Mozilla 3.01 (Win95; I)
> Xref: news.summit.net rec.radio.amateur:267 rec.radio.amateur.swap:107
rec.radio.amateur.equipment:6296 rec.radio.amateur.misc:7271 rec.ham-radio:263
>
> Help!
>
> I was intrested in the navy MARS program, but I can't find anywhere to
> get information on it. If anyone could help me out in anyway, I'd REALLY
> apreciate it. Thanks!
>
> -Ben Cook, KE6YPF
ben, i am a member of navy mars. send me your address - e-mail or snail mail
and will have someone contact you. thanks for your interest. navy marine corps
mars - serving those who serve.






From -7375862083999651O7
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16822d015db14612
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,16822d015db14612
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,16822d015db14612
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,16822d015db14612
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,16822d015db14612
X-Google-Attributes: gid107ada,public
```

From: jtombre@msu.oscs.montana.edu (JAY TOMBRE)
Subject: Re: MARS
Date: 1997/02/16
Message-ID: <5e7f6f$9il@netra.montana.edu>#1/1
X-Deja-AN: 219188296
References: <3306555C.E43@juno.com>
Organization: Information Technology Center, Montana State University
Reply-To: jtombre@msu.oscs.montana.edu
Newsgroups:
rec.radio.amateur,rec.radio.amateur.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.ham-radio

Ben, A few months ago I was looking into the MARS and the only way that I found out about it was by jumping on the internet and typing in "MARS" and that took me right there. It would even tell you who the regional person was for where you lived. I will see if I can find the address for you.

Good luck 73's,
Jay Tombre N7ZHL
jtombre@montana.edu

In article <3306555C.E43@juno.com>, "Ben P. Cook" <bcook@juno.com> writes:
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>
>I was intrested in the navy MARS program, but I can't find anywhere to
>get information on it. If anyone could help me out in anyway, I'd REALLY
>apreciate it. Thanks!
>
>-Ben Cook, KE6YPF

From -4002647172105419253
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd2a0c652894c67b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,cd2a0c652894c67b
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,cd2a0c652894c67b
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,cd2a0c652894c67b
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,cd2a0c652894c67b
X-Google-Attributes: gidfa656,public
From: deanl@bigfoot.com (Dean L.)
Subject: Re: Setting up an antenna tower.
Date: 1997/02/16
Message-ID: <330e4003.5746088@news.rconnect.com>#1/1
X-Deja-AN: 219191026
References: <01bbeb67$8fcce7b0$0fb919ce@davidh> <597naq$arc@camel5.mindspring.com>
<32FFC0D2.64F4@polarnet.com> <33061e5c.4661210@news.ocean.com.au>
Content-Type: text/plain; charset=us-ascii

Organization: Corporate Communications
Mime-Version: 1.0
Newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc

On Sat, 15 Feb 1997 20:50:28 GMT, hainess@ocean.com.au wrote:

>On Mon, 10 Feb 1997 15:44:02 -0900, Dale Powell <powell@polarnet.com>
>wrote:
>
>>Mike Del Pozzo wrote:
>>>
>>> "David P. Hummel, Jr." <dhummel@castle.net> wrote:
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>>> >I have recently come to own a previously used antenna tower. After months
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>>> >hard part. But here is the fun part. Anybody have any ideas how I can dig
>>> >a hole in the ground that is about 2.5ft in diameter and about 6.5ft deep?
>>> >I tried a post hole digger, but the bits are only about 4 ft deep? Any
>>> >suggestions?
>>>
>>> >Thank you in advance.
>>> >David P. Hummel, Jr.
>>> >KG2BX
>

I don't know how high this tower is... but you are going WAY too deep

Unless you nave need to go that deep for most towers of a modest size a
4ft by 4 ft block of cement is all you will need... You may want to dig a
post hole sized section in the bottom of your 4X4 hole down to 6 ft or more
to make you feel good.

One of the Main things to remember is to use Lots of re rod... The steel is
what makes the cement strong.. at it is cheep..

Remember too... to place that cement you are going to have to figure out how
to move it from your driveway to your hole... 1 1/2 yard of cement is
heaver than you think   :)

73 my friend   Dean WB0TKC

From 3970166380265473628
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,16822d015db14612
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,16822d015db14612
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,16822d015db14612
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 107ada,16822d015db14612
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,16822d015db14612
X-Google-Attributes: gidfa656,public
From: "Bill M. Carson" <poppie@fidalgo.net>
Subject: Re: MARS
Date: 1997/02/16
Message-ID: <01bc1c5b$37e6b740$3b9c81ce@Ppoppie>#1/1
X-Deja-AN: 219241288
References: <3306555C.E43@juno.com> <5e7f6f$9il@netra.montana.edu>
Organization: Five Continents Travel & Cruise
Newsgroups:
rec.radio.amateur,rec.radio.amateur.swap,rec.radio.amateur.equipment,rec.radio.ama
teur.misc,rec.ham-radio


Hi Jay: Always nice to see a ham on the net; particularly when it's a N7.
Greetings! Bill KE7GM (La Conner)

JAY TOMBRE <jtombre@msu.oscs.montana.edu> wrote in article
<5e7f6f$9il@netra.montana.edu>...
> Ben, A few months ago I was looking into the MARS and the only way that I
found
> out about it was by jumping on the internet and typing in "MARS" and that
took
> me right there. It would even tell you who the regional person was for
where
> you lived. I will see if I can find the address for you.
>
> Good luck 73's,
> Jay Tombre N7ZHL
> jtombre@montana.edu
>
> In article <3306555C.E43@juno.com>, "Ben P. Cook" <bcook@juno.com>
writes:
> >Help!
> >
> >I was intrested in the navy MARS program, but I can't find anywhere to
> >get information on it. If anyone could help me out in anyway, I'd REALLY
> >apreciate it. Thanks!
> >
> >-Ben Cook, KE6YPF
>



From -5079177039104559530
```

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd2a0c652894c67b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,cd2a0c652894c67b
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,cd2a0c652894c67b
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,cd2a0c652894c67b
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,cd2a0c652894c67b
X-Google-Attributes: gidfcc6e,public
From: "D.Arnold" <D.Arnold@primocomputers.com>
Subject: Re: Setting up an antenna tower.
Date: 1997/02/16
Message-ID: <33080375.5946@primocomputers.com>#1/1
X-Deja-AN: 219306492
References: <01bbeb67$8fcce7b0$0fb919ce@davidh> <597naq$arc@camel5.mindspring.com>
<32FFC0D2.64F4@polarnet.com> <3304FFDE.7B2C@detnet.com>
Content-Type: text/plain; charset=us-ascii
Organization: Datasync Internet
Mime-Version: 1.0
Reply-To: D.Arnold@primocomputers.com
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.
radio.amateur.misc
X-Mailer: Mozilla 3.0 (Win95; I; 16bit)


Bill W wrote:
>
> Dale Powell wrote:
> >
> > Mike Del Pozzo wrote:
> > >
> > > "David P. Hummel, Jr." <dhummel@castle.net> wrote:
> > >
> > > >I have recently come to own a previously used antenna tower.  After months
> > > >of hard work, I managed to finally get it out of the ground.  That was the
> > > >hard part.  But here is the fun part.  Anybody have any ideas how I can dig
> > > >a hole in the ground that is about 2.5ft in diameter and about 6.5ft deep?
> > > >I tried a post hole digger, but the bits are only about 4 ft deep?   Any
> > > >suggestions?
> > >
> > > >Thank you in advance.
> > > >David P. Hummel, Jr.
> > > >KG2BX
> > >
> > > Hello David;
> > > I know noone wants to hear the old macho story about how
> > > an induvidual completes an unbeleivable feat , but it was worth
> > > the exercise and $$$ saved when I dug the base of my tower...
> > > My tower is 80 ft , guyed, and the base is a 3 ft base section of
> > > Rohn 25 sitting on 24 " of gravel ( big chunks ). My tower has
```

> > > taken 2 direct strikes (I think that's all) and I could not ask for
> > > a better ground as the rest of the shack remains unharmed. I dug
> > > the hole with a post hole digger . Created a hole about 36" in DIA
> > > and about 5 feet deep - so the top of the 36" section is flush with
> > > the surface of the ground . Sitting on the gravel and who knows
> > > how many miles of GA clay , the base is plenty sturdy after backfill.
> > > Speaking of which : after you backfill you need to let the ground set
> > > backup with frequent wattering.
> > > I also had a guywire break once and the tower still hardly budged
> > > I Have a 4 element Quad on a 30 foot boom up there .
> > > Consider what ur putting up there first . and always listen to all the
> > > great advice from those " who have been there - done that "
> > > Gud Luck es 73 de
> > > Mike KR4TG
> > test
> David,
> Check with your friendly power company or telephone company. They
> have post hole diggers (hand type) that are long enough to handle
> your job. Good luck.
> Bill

YOu can also rent electronic POLE HOLE DIGGERS that will dig holes
from local rental companies..about 30-50 bucks a day

or try a shovel...

or have a tower rasing party and have your buddies bring tools an take
turns digging...i did this ..i supplies the burgers and dogs they came
with the liquid refreshemnt of thier choice an we dug 4 0r 5 in the back
yard...xyl had a fit....

DON good luck an 73

From -7538151262837685415
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16822d015db14612
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,16822d015db14612
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,16822d015db14612
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,16822d015db14612
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,16822d015db14612
X-Google-Attributes: gid1031c8,public
From: "D.Arnold" <D.Arnold@primocomputers.com>
Subject: Re: MARS
Date: 1997/02/19
Message-ID: <330BDC82.5EF4@primocomputers.com>#1/1
X-Deja-AN: 220108086
References: <3306555C.E43@juno.com>

```
<NEWTNews.856056104.15724.crow@crow.summit.net>
To: crow@summit.net
Content-Type: text/plain; charset=us-ascii
Organization: Datasync Internet
Mime-Version: 1.0
Reply-To: D.Arnold@primocomputers.com
Newsgroups:
rec.radio.amateur.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radi
o.amateur,rec.ham-radio
X-Mailer: Mozilla 3.0 (Win95; I; 16bit)


crow@summit.net wrote:
>
> In Article<3306555C.E43@juno.com>, <bcook@juno.com> writes:
> > Path: news.summit.net!news-out.internetmci.com!newsfeed.internetmci.com!
news.msfc.nasa.gov!www.nntp.primenet.com!nntp.primenet.com!news1.best.com!
nntp2.ba.best.com!not-for-mail
> > From: "Ben P. Cook" <bcook@juno.com>
> > Newsgroups:
rec.radio.amateur,rec.radio.amateur.swap,rec.radio.amateur.equipment,rec.radio.ama
teur.misc,rec.ham-radio
> > Subject: MARS
> > Date: Sat, 15 Feb 1997 16:31:24 -0800
> > Lines: 7
> > Message-ID: <3306555C.E43@juno.com>
> > Reply-To: bcook@juno.com
> > NNTP-Posting-Host: daedalus.vip.best.com
> > Mime-Version: 1.0
> > Content-Type: text/plain; charset=us-ascii
> > Content-Transfer-Encoding: 7bit
> > X-Mailer: Mozilla 3.01 (Win95; I)
> > Xref: news.summit.net rec.radio.amateur:267 rec.radio.amateur.swap:107
> rec.radio.amateur.equipment:6296 rec.radio.amateur.misc:7271 rec.ham-radio:263
> >
> > Help!
> >
> > I was intrested in the navy MARS program, but I can't find anywhere to
> > get information on it. If anyone could help me out in anyway, I'd REALLY
> > apreciate it. Thanks!
> >
> > -Ben Cook, KE6YPF
> ben, i am a member of navy mars. send me your address - e-mail or snail mail
> and will have someone contact you. thanks for your interest. navy marine corps
> mars - serving those who serve.
and if he cant help ya i can

e-mail back

DON
e-mail D.ARNOLD@primocomputers.com
KB5FHX-ham
NNN0ESR-mars
```

```
From -9064222252851825041
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,438ef6dded7be33a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11654e,438ef6dded7be33a
X-Google-Attributes: gid11654e,public
X-Google-Thread: 10fcc9,438ef6dded7be33a
X-Google-Attributes: gid10fcc9,public
X-Google-Thread: 109c0d,438ef6dded7be33a
X-Google-Attributes: gid109c0d,public
X-Google-Thread: 1109af,438ef6dded7be33a
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,438ef6dded7be33a
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fbdd0,438ef6dded7be33a
X-Google-Attributes: gidfbdd0,public
From: Luis <otero@cesga.es>
Subject: Re: Thunder Tiger 91S 4-Stroke Engine
Date: 1997/02/20
Message-ID: <330CB507.2314@cesga.es>#1/1
X-Deja-AN: 220121566
References: <3301DEEE.2A62@HIWAAY.net>
Content-Type: text/plain; charset=us-ascii
Organization: yo
Mime-Version: 1.0
Reply-To: otero@cesga.es
Newsgroups: alt.forsale,hsv.forsale,ingr.forsale,misc.forsale,rec.ham-
radio.swap,rec.radio.swap,rec.ham-radio
X-Mailer: Mozilla 3.0 (Win16; I)
```

Rick Olson wrote:
>
> For Sale...
>
> Thunder Tiger 91S 4-Stroke
> Like New, Only run twice on the bench.
> Was to much motor for my plane...
>
> $150 shipped UPS Ground, or US Mail in the US
>
> Rick Olson
> olson@hiwaay.net
> http://fly.hiwaay.net/~olson/garage.html

???????????
--
Luis

otero@cesga.es

```
From -2285950320524712755
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d185d22cf962281a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,d185d22cf962281a,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 100110,d185d22cf962281a,start
X-Google-Attributes: gid100110,public
X-Google-Thread: 115af6,d185d22cf962281a,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 1107e7,d185d22cf962281a,start
X-Google-Attributes: gid1107e7,public
X-Google-Thread: fa656,d185d22cf962281a,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107cee,d185d22cf962281a,start
X-Google-Attributes: gid107cee,public
From: steve richards <steve@s-ric.demon.co.uk>
Subject: GLOUCESTER AMATEUR RADIO & ELECTRONICS SOCIETY
Date: 1997/02/20
Message-ID: <856468348.29956.0@s-ric.demon.co.uk>#1/1
X-Deja-AN: 220217063
X-NNTP-Posting-Host: s-ric.demon.co.uk
Newsgroups: sci.electronics.misc,rec.ham-
radio,rec.radio.amateur,rec.radio,rec.radio.shortwave,comp.misc,comp.robotics
```

GLOUCESTER AMATEUR RADIO & ELECTRONICS SOCIETY

GLOUCESTER - ENGLAND

If you live in or around Gloucester and are interested in electronics, robotics, microprocessors, computers or amateur radio our society could be for you!

We meet every Monday evening from 7-30 p.m. to 10 p.m. at Churchdown School, Winston Road, Churchdown, Gloucester and offer a varied programme for the electronics hobbiest.

If you'd like to know more why not come to our Open Evening on 10 March.

Further details about the Society can be found on our web pages at http://www.furcot.demon.co.uk/gares0.htm or by sending e-mail to gares@furcot.demon.co.uk

```
From 2597953587597886712
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,d185d22cf962281a
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,d185d22cf962281a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115af6,d185d22cf962281a
X-Google-Attributes: gid115af6,public
X-Google-Thread: 100110,d185d22cf962281a
X-Google-Attributes: gid100110,public
X-Google-Thread: 1107e7,d185d22cf962281a
X-Google-Attributes: gid1107e7,public
X-Google-Thread: fa656,d185d22cf962281a
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107cee,d185d22cf962281a
X-Google-Attributes: gid107cee,public
From: "Ruckdee C." <ruckdeec@help.ksc.net.th>
Subject: Re: GLOUCESTER AMATEUR RADIO & ELECTRONICS SOCIETY
Date: 1997/02/21
Message-ID: <330DF084.4789@help.ksc.net.th>#1/1
X-Deja-AN: 220324823
References: <856468348.29956.0@s-ric.demon.co.uk>
To: steve richards <steve@s-ric.demon.co.uk>
Content-Type: text/plain; charset=us-ascii
Organization: Internet KSC Group.
Mime-Version: 1.0
Reply-To: ruckdeec@help.ksc.net.th
Newsgroups: sci.electronics.misc,rec.ham-
radio,rec.radio.amateur,rec.radio,rec.radio.shortwave,comp.misc,comp.robotics
X-Mailer: Mozilla 3.0 (Win95; I)


steve richards wrote:
>
> GLOUCESTER AMATEUR RADIO & ELECTRONICS SOCIETY
>
> GLOUCESTER - ENGLAND
>
> If you live in or around Gloucester and are interested in electronics,
> robotics, microprocessors, computers or amateur radio our society
> could be for you!
>
> We meet every Monday evening from 7-30 p.m. to 10 p.m. at Churchdown
> School, Winston Road, Churchdown, Gloucester and offer a varied
> programme for the electronics hobbiest.
>
> If you'd like to know more why not come to our Open Evening on
> 10 March.
>
> Further details about the Society can be found on our web pages at
> http://www.furcot.demon.co.uk/gares0.htm or by sending e-mail to
> gares@furcot.demon.co.uk
```

Would you please kindly advise me what the word "HAM" is abbreviated from?

Best regards,

Ruckdee C. <=-=> http://help.ksc.net.th:8888 <=-=>
----
ruckdeec@help.ksc.net.th, nolt@taygate.cl.au.ac.th
formerwebmaster@ac1.ac.ac.th

From -8525131344796870862
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 110c4e,ee7a5d994dec1f4a,start
X-Google-Attributes: gid110c4e,public
X-Google-Thread: 10c9e3,ee7a5d994dec1f4a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,ee7a5d994dec1f4a,start
X-Google-Attributes: gidf76e2,public
From: "Ron Sibbitt" <n8lmt@avci.net>
Subject: -FS- Kenwood LMR Service Manuals
Date: 1997/02/23
Message-ID: <01bc214d$9145cb40$edd133cf@ron-s-computer>#1/1
X-Deja-AN: 220795579
Organization: A.R.S. N8LMT
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.commercial-lmr

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TK-801S...............$12.
TK-705................$12.
TK-820................$12.
TK-320................$12.
TK-320/320DM..........$12.
TK-210................$12.
TK-805................$12.
TK-601S...............$12.
TK-200................$12.

TK-300................$12.
TK-701S...............$12.
TK-720................$12.
TK-901S...............$12.
TK-710................$12.
TK-705D...............$12.
TK-240................$12.
TK-100................$12.
TK-330/330SC..........$12.
TK-620................$12.
TK-722R...............$12.

TKB-620...............$14.
TKB-720...............$14.
TKB-820...............$14.
TKR-820...............$14.
TK-822R/822RH.........$14.
TK-722R/722RH.........$14.
TK-622RH..............$14.

KPT-20................$9.
KPS-10................$6.
KPT-10................$9.

KXK-1.................$4.
KSK-2.................$4.
TK-810-TYPE-4 SUPP....$4
KVC-10................$4.
TK-620H SUPP..........$4.
TK-720H SUPP..........$4.
TK-820H SUPP..........$4.
MORE @ $4.00 EACH ...
KSC-1   KMS-5
KMS-4   KSP-1
KDM-3   KSC-3
KSC-2   KQT-1A
KSC-4/5/6 KCH-1A,B,C,D
KQT-1,2   KQT-3
KSC-36   KTT-1
KSP-2

A REAL BIG BINDER OF KENWOOD LAND MOBILE
SERVICE BULLITINS FROM 1983 - 1990.
.... $12 + SHIPPING.

REPLY TO Ron Sibbitt
Croswell, MI
n8lmt@avci.net

From 2037727879467933595
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,46fe69eedfb539a2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,46fe69eedfb539a2,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,46fe69eedfb539a2,start
X-Google-Attributes: gidfa656,public
From: "Tony Mori" <tonym@netrunner.net>
Subject: CES 510SA pathc-to-Kenwood TM732A
Date: 1997/02/24
Message-ID: <01bc220f$5290b3c0$b69189cc@mechwarrior.netrunner.net>#1/1
X-Deja-AN: 220988113
Organization: Hurricane Software Engineering, Inc.
Newsgroups: rec.radio.amateur.equipment,rec.ham-radio,rec.radio.amateur
```

HEEEELP!!

trying to hook it up...'bout to shoot myself! I'm wiring through an
MFJ-1272M TNC/Mike switch. PTT's to send ID,
Receives DTMF codes to bring patch up, but no "phone line stuff" is
transmitted. Doesn't PTT until I dis-connect,
and It ID's again...Any ideas?

Patch: CES 510SA
Radio: Kenwood TM-732A

```
From -2097623788038082463
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 102693,ed4410bf3e23905,start
X-Google-Attributes: gid102693,public
X-Google-Thread: 10c9e3,ed4410bf3e23905,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 112f35,ed4410bf3e23905,start
X-Google-Attributes: gid112f35,public
X-Google-Thread: 107baa,ed4410bf3e23905,start
X-Google-Attributes: gid107baa,public
From: nobody@huge.cajones.com (Huge Cajones Remailer)
Subject: SOFTWARE COLLECTION
Date: 1997/02/24
Message-ID: <199702241951.LAA01861@mailmasher.com>#1/1
X-Deja-AN: 221134753
Comments: Please report misuse of this automated remailing service to <remailer-
admin@cajones.com>
X-To: mail2news@utopia.hacktic.nl
X-XS4ALL-Date: Mon, 24 Feb 1997 20:53:07 MET
Content-Type: text/plain; charset=US-ASCII
```

```
X-Mail2News-Errors-To: postmaster@replay.com
Organization: mail2news@replay.com
Newsgroups: nz.soc.queer,nz.test,nz.wanted,rec.ham-radio



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For detail Email to col@emails.com

write on the subject "INFO - (the newsgroup name that you saw the
adv.)"



   _____         ____  __
  / ___/ ____   / __/ / /__      __ ____ _  _____ ___
  \__ \ / __ \ / /_  / __/ | /| / // __ `/ / ___// _ \
 ___/ // /_/ // __/ / /_ | |/ |/ // /_/ / / /   /  __/
/____/ \____//_/    \__/ |__/|__/ \__,_/ /_/    \___/

              col@emails.com
   ______         __   __             __    _
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 / /     / __ \ / /  / / / _ \/ ___// __/ / / / __ \ / __ \
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-------------------------------------------------------------------
     *** This is posted via the replay mail2news gateway: ***
     * No attempt was made to verify the sender's identity. *



From 5559325627713632115
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 102693,ed4410bf3e23905
X-Google-Attributes: gid102693,public
X-Google-Thread: 10c9e3,ed4410bf3e23905
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107baa,ed4410bf3e23905
X-Google-Attributes: gid107baa,public
X-Google-Thread: 112f35,ed4410bf3e23905
X-Google-Attributes: gid112f35,public
From: nobody@huge.cajones.com (Huge Cajones Remailer)
Subject: SOFTWARE COLLECTION
Date: 1997/02/24
Message-ID: <199702242130.NAA18725@mailmasher.com>#1/1
X-Deja-AN: 221162306
Comments: Please report misuse of this automated remailing service to <remailer-
admin@cajones.com>
X-To: mail2news@utopia.hacktic.nl
```

```
X-XS4ALL-Date: Mon, 24 Feb 1997 22:31:51 MET
Content-Type: text/plain; charset=US-ASCII
X-Mail2News-Errors-To: postmaster@replay.com
Organization: mail2news@replay.com
Newsgroups: nz.soc.queer,nz.test,nz.wanted,rec.ham-radio



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For detail Email to col@emails.com

write on the subject "INFO - (the newsgroup name that you saw the
adv.)"



   _____         ____  __
  / ___/ ____   / __/ / /__      __ ____ _  _____ ___
  \__ \ / __ \ / /_  / __/ | /| / // __ `/ / ___// _ \
 ___/ // /_/ // __/ / /_ | |/ |/ // /_/ / / /   /  __/
/____/ \____//_/    \__/ |__/|__/ \__,_/ /_/    \___/

              col@emails.com
   ______        __   __             __    _
  / ____/ ____   / /  / / ___  _____ / /_  (_) ____   ____
 / /     / __ \ / /  / / / _ \/ ___// __/ / / / __ \ / __ \
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\____/  \____//_/  /_/  \___/\___/ \__/ /_/  \____//_/ /_/

-------------------------------------------------------------------
     *** This is posted via the replay mail2news gateway: ***
     * No attempt was made to verify the sender's identity. *



From -5283749826534306548
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,74fcd8bcdcc1b561,start
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,74fcd8bcdcc1b561,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,74fcd8bcdcc1b561,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1009ad,74fcd8bcdcc1b561,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fb049,74fcd8bcdcc1b561,start
X-Google-Attributes: gidfb049,public
From: winndixie@atl.bellsouth.net (Victor Healey)
Subject: NASCAR WINSTON CUP SUNDAY NOV 10
Date: 1996/11/08
Message-ID: <MPG.cedb250f40172599896bc@news.atl.bellsouth.net>#1/1
```

X-Deja-AN: 195404365
organization: 4-Phun
newsgroups: alt.ham-radio.fm,alt.ham-radio.vhf-uhf,alt.radio.scanner,rec.ham-radio,rec.radio.scanner

NASCAR WINSTON CUP SUNDAY NOV 10

Hi
I just learned that Winn Dixie wants me to drive one of our special
tractor trailers in the 10:20 AM parade at this Sunday's Winston Cup. If
you are a ham and happen to be attending this Nascar race please give me
a call on 146.520.

We can compare scanner notes etc. during the race.
My ticket is to the North Turn Grandstand Sec 220 Row 37 Seat 16

73's
--
Victor Healey Ki4je
Marietta Ga.

From 3099798642310571485
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,74fcd8bcdcc1b561
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,74fcd8bcdcc1b561
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb049,74fcd8bcdcc1b561
X-Google-Attributes: gidfb049,public
X-Google-Thread: fa029,74fcd8bcdcc1b561
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1009ad,74fcd8bcdcc1b561
X-Google-Attributes: gid1009ad,public
From: matt223@mailbag.com (m. mattson)
Subject: Re: NASCAR WINSTON CUP SUNDAY NOV 10
Date: 1996/11/09
Message-ID: <560ul5$b36@grandcanyon.binc.net>#1/1
X-Deja-AN: 195417781
references: <MPG.cedb250f40172599896bc@news.atl.bellsouth.net>
organization: Berbee Information Networks Corporation
newsgroups: alt.ham-radio.fm,alt.ham-radio.vhf-uhf,alt.radio.scanner,rec.ham-radio,rec.radio.scanner

>I just learned that Winn Dixie wants me to drive one of our special
>tractor trailers in the 10:20 AM parade at this Sunday's Winston Cup. If
>you are a ham and happen to be attending this Nascar race please give me
>a call on 146.520.

I'm green.

Shiny side up.

Mark

The truth as I perceive it to be.
Your perception will be different.

From 2647659726677328930
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,69e28a1d9b813bb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,69e28a1d9b813bb,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,69e28a1d9b813bb,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 112d4a,69e28a1d9b813bb,start
X-Google-Attributes: gid112d4a,public
From: "Loek d'Hont" <ldhont@ti.com>
Subject: FS: USSR military radio R159
Date: 1996/11/10
Message-ID: <01bbceba$c2c749e0$60c1759c@A0927429.itg.ti.com>#1/1
X-Deja-AN: 195605292
organization: Texas Instruments
newsgroups: alt.military.collecting,rec.ham-radio,rec.radio.amateur.equipment,rec.radio.swap

For sale:

Military transceiver, type R159, 30 to 70 MHz in 1 kHz, narrow-band FM, with ALL accessoires

Transceiver is of very recent design (late 80s) , in use today with the Russian forces as the standard man-pack field radio

Radio is very compact and rugged, for use as back pack radio or vehicle radio. It is NOT a boat-anchor, it is too recent and too light for that.

Some specs:
- RF power: 20 watt
- Narrow-band FM
- Supply voltage: 12V DC from Nicad (3 of these 12V NiCad packs included, never used)
- Antenna: Wire antenna or whip (included)
- Microphone/headset included
- Transceiver has built-in automatic antenna tuner
- Manuals included

This transceiver is NEVER USED. Is packaged brand-new in its original wooden crate, with all accessoires.

Sell for $600 , shipping not included

Loek d'Hont   LDHONT@ti.com

From 6451043964297464861
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b147990b7f16eb0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1132e2,4b147990b7f16eb0,start
X-Google-Attributes: gid1132e2,public
X-Google-Thread: f76e2,4b147990b7f16eb0,start
X-Google-Attributes: gidf76e2,public
From: rwright@key.net (Rob)
Subject: HF for sale
Date: 1996/11/11
Message-ID: <3287b721.13028861@news.key.net>#1/1
X-Deja-AN: 195867352
organization: Altopia Corp. - Affordable Usenet Access - http://www.alt.net
newsgroups: fl.forsale,rec.ham-radio,rec.ham-radio.swap

Yaesu FT-101EE with remote VFO and Yaesu Speaker/phone Patch.

$300.00, local south florida pick up only

Call Rob at (305)-292-0048

email rwright@key.net

From -8949652367624101061
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,670b84295a9be0ef
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,670b84295a9be0ef
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 1109af,670b84295a9be0ef
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108abf,670b84295a9be0ef
X-Google-Attributes: gid108abf,public
X-Google-Thread: 112d4a,670b84295a9be0ef
X-Google-Attributes: gid112d4a,public
X-Google-Thread: fc8b1,670b84295a9be0ef
X-Google-Attributes: gidfc8b1,public
From: "Randy Ebers" <ebersr@rollanet.org>

```
Subject: Re: Looking for Collins mehanical filter
Date: 1996/11/12
Message-ID: <01bbd050$bf7caa40$1c7237c0@EBERSR.ROLLANET.ORG>#1/1
X-Deja-AN: 195974205
references: <01bbcd2e$ec874ba0$082ca8c0@A0927429.itg.ti.com>
organization: Preferred Company
newsgroups:
alt.military.collecting,rec.antiques.radio+phono,rec.aviation.military,rec.ham-
radio,rec.radio.amateur.boatanchors,rec.radio.swap


You might try the Collins Users Net on 14.263 at 2000z
Good Luck. WA0I  ebersr@rollanet.org

Loek d'Hont <ldhont@ti.com> wrote in article
<01bbcd2e$ec874ba0$082ca8c0@A0927429.itg.ti.com>...
> Does any-one know a source for Collins mechanical filter?
>
> I am looking for a 450 kHz LSB filter from the Collins "FA" series
> (the narrow one is preferred but 4 Khz is also OK)
>
> Thanks,
>
> Loek d'Hont   LDHONT@ti.com
>




From -8391675508184605098
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8eba04d638707751,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10fcc9,8eba04d638707751,start
X-Google-Attributes: gid10fcc9,public
X-Google-Thread: 109c0d,8eba04d638707751,start
X-Google-Attributes: gid109c0d,public
X-Google-Thread: 1109af,8eba04d638707751,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fbdd0,8eba04d638707751,start
X-Google-Attributes: gidfbdd0,public
X-Google-Thread: 11654e,8eba04d638707751,start
X-Google-Attributes: gid11654e,public
X-Google-Thread: fa656,8eba04d638707751,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,8eba04d638707751,start
X-Google-Attributes: gidf76e2,public
From: Rick Olson <olson@HIWAAY.net>
Subject: Alinco DR-600T For Sale
Date: 1996/11/14
Message-ID: <328B9F7E.11E3@HIWAAY.net>#1/1
X-Deja-AN: 196521359
content-type: text/plain; charset=us-ascii
organization: Intergraph Corporation
```

mime-version: 1.0
reply-to: olson@HIWAAY.net
newsgroups: rec.ham-radio.swap,rec.radio.swap,rec.radio.amateur,rec.ham-radio,ingr.forsale,hsv.forsale,misc.forsale,alt.forsale
x-mailer: Mozilla 3.0Gold (WinNT; I)

Alinco DR-600T HAM Radio $400.00

Dual Band, 2 Meter / 440Mhz, 5, 10, 45 watts (has expanded recieve enabled, will pick up aircraft, police, fire, ambulance, marine, etc.)

In very good condition, and in original box with manual.

Rick Olson
olson@hiwaay.net

http://fly.hiwaay.net/~olson/index.html (look under garage sale)

From -1524200522810985810
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8eba04d638707751
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11654e,8eba04d638707751
X-Google-Attributes: gid11654e,public
X-Google-Thread: 109c0d,8eba04d638707751
X-Google-Attributes: gid109c0d,public
X-Google-Thread: 1109af,8eba04d638707751
X-Google-Attributes: gid1109af,public
X-Google-Thread: fbdd0,8eba04d638707751
X-Google-Attributes: gidfbdd0,public
X-Google-Thread: fa656,8eba04d638707751
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10fcc9,8eba04d638707751
X-Google-Attributes: gid10fcc9,public
X-Google-Thread: f76e2,8eba04d638707751
X-Google-Attributes: gidf76e2,public
From: Rick Olson <olson@HIWAAY.net>
Subject: Alinco DR-600T For Sale
Date: 1996/11/14
Message-ID: <328B9F71.5273@HIWAAY.net>#1/1
X-Deja-AN: 196521370
content-type: text/plain; charset=us-ascii
organization: Intergraph Corporation
mime-version: 1.0
reply-to: olson@HIWAAY.net
newsgroups: rec.ham-radio.swap,rec.radio.swap,rec.radio.amateur,rec.ham-radio,ingr.forsale,hsv.forsale,misc.forsale,alt.forsale
x-mailer: Mozilla 3.0Gold (WinNT; I)

Alinco DR-600 HAM Radio $400.00

Dual Band, 2 Meter / 440Mhz, 5, 10, 45 watts (has expanded recieve
enabled, will pick up aircraft, police, fire, ambulance, marine, etc.)

In very good condition, and in original box with manual.

Rick Olson
olson@hiwaay.net

http://fly.hiwaay.net/~olson/index.html (look under garage sale)

From -7147801790744454517
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,670b84295a9be0ef
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,670b84295a9be0ef
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 1109af,670b84295a9be0ef
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108abf,670b84295a9be0ef
X-Google-Attributes: gid108abf,public
X-Google-Thread: fc8b1,670b84295a9be0ef
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 112d4a,670b84295a9be0ef
X-Google-Attributes: gid112d4a,public
From: "Loek d'Hont" <LDHONT@ti.com>
Subject: Re: Looking for Collins mehanical filter
Date: 1996/11/15
Message-ID: <01bbd2b1$f61f2060$315e5bc0@A0927429.itg.ti.com>#1/1
X-Deja-AN: 196589352
references: <01bbcd2e$ec874ba0$082ca8c0@A0927429.itg.ti.com>
<01bbd050$bf7caa40$1c7237c0@EBERSR.ROLLANET.ORG>
organization: M&C Group
newsgroups:
alt.military.collecting,rec.antiques.radio+phono,rec.aviation.military,rec.ham-radio,rec.radio.amateur.boatanchors,rec.radio.swap

Thanks for the tip, but I found the filters , a ham in California had them
They are exactly what I was looking for

My Collins 651S-1 receiver works perfect now

Appreciate your response anyway

Thanks,

Loek

```
Randy Ebers <ebersr@rollanet.org> wrote in article
<01bbd050$bf7caa40$1c7237c0@EBERSR.ROLLANET.ORG>...
> You might try the Collins Users Net on 14.263 at 2000z
> Good Luck. WA0I  ebersr@rollanet.org
>
> Loek d'Hont <ldhont@ti.com> wrote in article
> <01bbcd2e$ec874ba0$082ca8c0@A0927429.itg.ti.com>...
> > Does any-one know a source for Collins mechanical filter?
> >
> > I am looking for a 450 kHz LSB filter from the Collins "FA" series
> > (the narrow one is preferred but 4 Khz is also OK)
> >
> > Thanks,
> >
> > Loek d'Hont   LDHONT@ti.com
> >
>



From -4122980944851347936
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,bdf3b68fc508df76,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,bdf3b68fc508df76,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1000bf,bdf3b68fc508df76,start
X-Google-Attributes: gid1000bf,public
X-Google-Thread: 108778,bdf3b68fc508df76,start
X-Google-Attributes: gid108778,public
X-Google-Thread: fa656,bdf3b68fc508df76,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc8b1,bdf3b68fc508df76,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f76e2,bdf3b68fc508df76,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 111f31,bdf3b68fc508df76,start
X-Google-Attributes: gid111f31,public
From: "Ron in Seattle" <ron.in.seattle@pobox.com>
Subject: Icom IC-W21AT handheld and RadioShack Mobile FS
Date: 1996/11/23
Message-ID: <01bbd991$5b6372b0$dc87c7cd@sci>#1/1
X-Deja-AN: 198357600
organization: Seattle Counseling Information
newsgroups: alt.radio.amateur,alt.radio.amateur.club,pnw.forsale,rec.ham-
radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.equip
ment,rec.radio.amateur.misc,rec.radio.amateur.swap,seattle.forsale,seattle.forsale
.misc


-Handheld HAM dual-band, Icom IC-W21AT, 2 meter & 440, in new condition, w
extra battery pack & carry case, wall adapter, 12v adapter, handheld mic.
```

In original box w all papers. Dual band receiving, crossband full dupley, whisper function, built-in pager, code squelch, pocket beep & tone squelch. Repeater quick memory & auto output power, battery capacity indication, power on-off functions, 70 memory channels, seperate speaker control for each band, 4 DTMF memories, $300

-Mobile HAM 2 meter, Radio Shack mobile, in new condition, in box, $170

--
From the desk of Ron in Seattle! KC7SQC
Visit Seattle Counseling Information:
http://pobox.com/~sci

```
From -6530570263016621194
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e417613c883a9e1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7e417613c883a9e1,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 11480d,7e417613c883a9e1,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: f7810,7e417613c883a9e1,start
X-Google-Attributes: gidf7810,public
X-Google-Thread: 114a57,7e417613c883a9e1,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: 107ada,7e417613c883a9e1,start
X-Google-Attributes: gid107ada,public
From: Ralph Morel <w5fk@bellsouth.net>
Subject: Help! Need 1979 Callbook Look-up
Date: 1996/11/28
Message-ID: <329DB7BD.4431@bellsouth.net>#1/1
X-Deja-AN: 201255399
content-type: text/plain; charset=us-ascii
organization: Unknown Organization
mime-version: 1.0
reply-to: w5fk@bellsouth.net
newsgroups:
rec.radio.amateur.dx,rec.radio.amateur.misc,rec.radio.shortwave,rec.ham-radio,alt.ham-radio.hf,alt.ham-radio.dxing
x-mailer: Mozilla 3.01 (Win95; I)
```

Could someone with a '79 or '80 Callbook please lookup KZ5KD.
Need homecall or full name.
This was in the Canal Zone, Panama.
73 de Ralph w5fk@bellsouth.net
--

```
   _ _ _   ___   ___   _ __
  | | | | | __| | __> | / /
  | | | | `__ \ | _>  |  \
  |__/_/  |___/ |_|   |_\_\
```

From -4857489219294908458
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0b6d36f7f671d04,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,b0b6d36f7f671d04,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 1109af,b0b6d36f7f671d04,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,b0b6d36f7f671d04,start
X-Google-Attributes: gid107ada,public
From: "Robert S. Schaps" <rschaps@westnet.com>
Subject: FS - QST from 11/95 - 12/96
Date: 1996/11/28
Message-ID: <329E2162.6A01@westnet.com>#1/1
X-Deja-AN: 201279749
content-type: text/plain; charset=us-ascii
organization: Signacon Controls, Inc.
mime-version: 1.0
newsgroups: rec.ham-radio,rec.radio.amateur.misc,rec.radio.shortwave,rec.radio.swap
x-mailer: Mozilla 2.0 (Win95; I; 16bit)

QST Magazine from November, 1995 through December, 1996. $14.00, including shipping within the continental United States by UPS. Cash, check, or money order.

Please email your reservation.

73,

Bob WB2NVR
--
____
Robert S. Schaps   Home Page: www.westnet.com/~rschaps
Signacon Controls, Inc.   email: rschaps@signacon.com
6 Westchester Plaza   Office Phone: 914-592-1616 ext. 110
Elmsford, NY 10523-1611   Office Fax: 914-592-5161

Opinions expressed are mine,   Amateur Radio: WB2NVR@WB2QJA.eny.na
and not that of my employer.   Philately: APS   159603

 Signacon Controls, Inc.
http://www.signacon.com
Specialists in design, sales, installation, and service of closed circuit television, card

access control, fire alarm, parking control, sound, instructional technology, video imaging, intercom, and personal alarm systems

---

From 4450553377214825033
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,15212b7cca9570c5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,15212b7cca9570c5,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: f5341,15212b7cca9570c5,start
X-Google-Attributes: gidf5341,public
X-Google-Thread: 10fd46,15212b7cca9570c5,start
X-Google-Attributes: gid10fd46,public
X-Google-Thread: fd05c,15212b7cca9570c5,start
X-Google-Attributes: gidfd05c,public
X-Google-Thread: fa656,15212b7cca9570c5,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 115af6,15212b7cca9570c5,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 101046,15212b7cca9570c5,start
X-Google-Attributes: gid101046,public
From: "yann.B" <yann.BERENI@hol.fr>
Subject: PROPOSAL : alt.radio.scanner.french
Date: 1996/11/30
Message-ID: <01bbde4a$7cf81580$9f059ac3@root.hol.fr>#1/1
X-Deja-AN: 201482352
content-type: text/plain; charset=ISO-8859-1
organization: the Radio - Mailling - List
mime-version: 1.0
newsgroups:
alt.config,alt.radio,alt.radio.scanner,alt.radio.scanner.uk,fr.misc.divers,rec.ham-radio,rec.radio,rec.radio.amateur,rec.radio.scanner,rec.radio.shortwave

[*** french traduction after english text ***]
This message is crossposted in : alt.radio , alt.radio.scanner , alt.radio.scanner.uk , rec.ham-radio , rec.radio , rec.radio.amateur , rec.radio.scanner , rec.radio.shortwave , fr.misc.divers ,
REPLY ONLY IN alt.config or/and via e-mail !
REPONDEZ SEULEMENT DANS alt.config ou/et par e-mail .
(sorry for my poor english)

I propose this newsgroup.

I want to create this newsgroup for all the ham-radio and SWL who speak french (not only in france) and want to speak about radio .

The newsgroup i propose , mustn't be and commercial radio goup .
The subjects may be : the shortwaves (SW), the VHF UHF ... , and somes

others thing how digital , cellular ...
all of the radio (no - commercial) and ham-radio the listeners of course !
There is a newsgroup named : alt.radio.scanner , but it is in first for the USA , i want this newsgroup for French speaking .
Yes you can say " why not an fr.* group ?" at this i say you : for an fr.* newsgroup this is very long and there is a big problem : the law !!

I france the scanners are not illegal but this is illegal to speak about this (buy it , dont use it), this is legal in all the world !

now the question is :

are you ok for alt.radio.scanner.french

send your replies in alt.config and/or via e-mail
yann.BERENI@hol.fr

FRENCH TEXT

Je propose ce newsgroup .

Je veux creer ce newsgroup pour tout les radio-amateurs et les �couteurs de radio qui parlent francais (pas seullement en France) et qui veullent parler de leur passion : la radio .

Le groupe que je propose , ne doit pas etre un newsgroup commercial .
Les sujets peuvent etre : les ondes courtes , la VHF ,UHF , ... et bien d'autres choses qui font partie de la radio et du radio-amateurisme et bien sur les ecouteurs !
Il y a deja un group nomme alt.radio.scanner , mais c'est en premier pour les USA , je veux cr�er ce newsgroup pour que les francophones puissent s'exprimer .

Oui vous allez me dire " pourquoi pas un group fr.* ?" a ca je vais vous repondre que c'est tres long pour creer un group fr.* , et le plus gros probleme c'est qu'un tel goup sera reffuse en fr.* car il y a la loi !

En france les scanner ne sont pas interdits , mais il est interdit de parler de ca (achetez mais n'utilisez pas)
Remarquez que c'est legal dans le monde entier !

Maintenant la question est :

etes vous d'accord pour alt.radio.scanner.french

Envoyez vos reponses dans alt.config ou/et via e-mail

yann.BERENI@hol.fr

From 8895496089617526373
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c1a23f9bb8e5b071,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,c1a23f9bb8e5b071,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fc1a3,c1a23f9bb8e5b071,start
X-Google-Attributes: gidfc1a3,public
X-Google-Thread: 114cd0,c1a23f9bb8e5b071,start
X-Google-Attributes: gid114cd0,public
From: "Borovikov" <borovikov@balti-n.estpak.ee>
Subject: HAMshack for Windows
Date: 1996/12/01
Message-ID: <01bbdfca$12c35680$3e617ec2@balti-n.estpak.ee>#1/1
X-Deja-AN: 201754233
organization: Balti-N
newsgroups: fj.rec.ham,rec.ham-radio,rec.ham-radio.packet,slac.rec.ham_radio

ATTENTION!!
We invite you to visit our information site on
http://www.balti-n.estpak.ee/hamshack
There is full information about new exited software for radio amateures
HAMshack for Windows 1.0.
you'll find such features as :
 Log book
 Rig control
 TNC control
 contesting
 Awards
 and many more....

FREE DEMO VERSION AVAILBLE NOW!!!

From 8586755811777975650
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,945091479e533a50,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,945091479e533a50,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f72a5,945091479e533a50,start
X-Google-Attributes: gidf72a5,public
X-Google-Thread: 107ada,945091479e533a50,start
X-Google-Attributes: gid107ada,public
From: em@mediacity.com (E. Monberg)
Subject: Audio Companding 72-126 MHz FM Receivers (90db s/n ratio)

Date: 1996/12/02
Message-ID: <em-02129600513600010@208.138.21.92>#1/1
X-Deja-AN: 201832424
organization: MediaCity World http://www.mediacity.com
newsgroups: rec.radio.amateur.misc,rec.video.cable-tv,rec.ham-radio,rec.radio.amateur.equipment

Studioline COMPANDING FM RECEIVERS with up to 90db audio s/n ratio for Cable (and other RF Distributed) Audio (VIEW PHOTOS at: http://www.lasermotion.com)

THEY ARE: Three receivers in one box with "F" connector input,
and RCA phono outputs for two channels of audio.
Two receivers are audio channels, and the third receiver
is dedicated to control and programming functions.
The Studioline unit is fully software configurable.

THE PRICE: $ 37+shipping/each Receiver.
$185 / 5 units, we pay shipping
$ 15 (US postage paid) for schematics
(Original Large Quantity Manufacturing Cost in Japan = $321 /each)

THE STORY:

Studioline technology for economically distributing truly studio-quality audio programming over existing Cable & Wireless broadcast systems was originally developed by FM Systems, Inc.., Santa Ana, CA. with funding provided by The Chronicle broadcasting company in San Francisco, CA. We acquired the equipment and rights. Pricing is very affordable. Subscriber Receivers Are Now Available by FedEx next-day shipment from Hayward, CA. Head End transmitters are available inexpensively from FM Systems, Inc., Santa Ana, CA.

*** COMMERCIAL APPLICATION EXAMPLE: ***

PUBLIC CABLE AUDIO APPLICATION:

COSTS: Estimated to be less than 25% of the cost of Digital Music Express (DMX).
We offer financing, and maintain an inventory of exchange and installable units at your facility.
HEAD END: (Photo)
FM Systems, Inc. Transmitters: Each 19" rack chassis of 3 Stereo Channels is $4750.
SUBSCRIBER END:
Studioline Receivers: $37/ea. purchase, or $3.91 per month rental.
BREAK-EVEN POINT:
As few as 200 installed units at a monthly fee of only $5.95 per subscriber.

*** RF CARRIER SPECIFICATIONS: ***
Frequencies: 72- 76 MHz = 9 Stereo Pairs.
108-126 MHz = 60 Stereo Pairs.
Bandwidth: 300 KHz per stereo pair.
Level on cable: -15 dB to -25 dB/video.
Negligible cable system loading. (!)

*** AUDIO SPECIFICATIONS: ***
Signal to Noise Ratio: As high as 90 dB.
YES - That is NOT a misprint !!
(80 dB audio demonstrated at 35 dB RF carrier/noise ratio!)
Designer tells of "Excellent Audio Signal decoded
on a terrible (!) system WITH 65 AMPLIFIERS IN SERIES !
The signal was OTHERWISE USELESSLY NOISY but Studioline recovered it".
Frequency Response: 15 Hz - 20 KHz, �1.5 dB.
Harmonic Distortion: Typically < 1%.
Stereo Separation: 70 dB, 20-20 kHz.
(There are two completely separate
high sensitivity audio FM receivers,
each with a low-noise Compander Section)
Audio Output: 1 Volt, low impedence
Ready to plug into "aux" or "tuner"
inputs of customers' existing premium stereo systems.

*** PROGRAM SOURCES: ***
Many special interest audio programs from satellite.
Numerous ethnic language broadcasts..
Music for any taste, education, and local live entertainment,
concerts, symphony and events.

*** OPERATING, and OTHER FEATURES: ***
These are completely software driven,
flexible devices,all programmable from the cable "head end".
The design team is available for consultation or for
modification of the design.
With "flag" signals on distribution cable,can utomatically sense
channel TV is tuned to, for true studio sound to accompany video.

Very high quality, and attractive looking receivers
Manufactured in Japan.

14" Wide x 10" Deep x 3.5" High. 7.5 lbs. 105-125VAC. 25 Watts.
Unique frequencies and modulation technology make for
theft-proof and secure channels.
Addressable and authorizable from head end over cable
by individual channel and unit serial number.

*** APPLICATIONS: ***
PRIVATE CABLE:
in HOTELS, RESORTS & SPAS.
PUBLIC CABLE:
Enhanced and premium cable service and

pay-per-view movies.
Precisely targeted outlets such as Muzak franchises,
Hotels, Discotheques, and Lounges.
Live broadcasts of entertainment, symphony and special events.
Any time the special presence of studio-quality sound!
(Or two completely separate audio channels)
can make a difference to your performance and your subscribers.
THEATRE MANAGEMENT:
Distribution of up to 60 separate channels of sound
FACTORY ENVIRONMENTS:
Broadcast and directed paging.
BACKGROUND MUSIC SERVICES:
High quality sound for a change
PUBLIC INSTITUTIONS
Simultaneous Translation Services in Senates Parlaments and other groups.
This is a bargain and will not wait long !

--
Regards,

Ed Monberg   em@mediacity.om

From 5714374211843498400
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,160c03a47ba515a5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,160c03a47ba515a5,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1031c8,160c03a47ba515a5,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,160c03a47ba515a5,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,160c03a47ba515a5,start
X-Google-Attributes: gidf76e2,public
From: kb9oxe@thunderhead.com (Mike Donaldson)
Subject: E-mail
Date: 1996/12/02
Message-ID: <32a74f8e.7614673@news.cu-online.com>#1/1
X-Deja-AN: 202080038
content-type: text/plain; charset=us-ascii
organization: CU Online -- Your one stop Internet provider!
mime-version: 1.0
reply-to: kb9oxe@thunderhead.com
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.swap

Need a new home for e-mail? It has come to my attention that alot of
brother and sister operators are having trouble with e-mail.
Thunderhead.com offers e-mail services starting at 5.00 per month and

for Hams a 1 time charge of 30.00. Beats the regular price by half.
For more information e-mail sales@thunderhead.com.

Mike
KB9OXE,

From 1286860845989356666
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,160c03a47ba515a5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,160c03a47ba515a5
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,160c03a47ba515a5
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,160c03a47ba515a5
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,160c03a47ba515a5
X-Google-Attributes: gid1031c8,public
From: "Jon P. Brazelton" <braz@bestnet.com>
Subject: Re: E-mail
Date: 1996/12/04
Message-ID: <01bbe19a$ddbbb4a0$893840ce@braz>#1/1
X-Deja-AN: 202259303
references: <32a74f8e.7614673@news.cu-online.com>
organization: AccessOne
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.swap

Or, if you just want e-mail, try Juno ... it's 100% free. Just e-mail your
name and address to signup@juno.com, or phone them at 1-800-654-5866.

Even though I have a "paying" account, I keep an account at Juno as a
backup. You never know when a server is going to go down....

73
N4VRN

Mike Donaldson <kb9oxe@thunderhead.com> wrote in article
<32a74f8e.7614673@news.cu-online.com>...
> Need a new home for e-mail? It has come to my attention that alot of
> brother and sister operators are having trouble with e-mail.
> Thunderhead.com offers e-mail services starting at 5.00 per month and
> for Hams a 1 time charge of 30.00. Beats the regular price by half.
> For more information e-mail sales@thunderhead.com.
>
> Mike
> KB9OXE,
>

```
From 1265626179169058171
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,160c03a47ba515a5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,160c03a47ba515a5
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,160c03a47ba515a5
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,160c03a47ba515a5
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,160c03a47ba515a5
X-Google-Attributes: gid1031c8,public
From: ns1z@agate.net (John Wilcox)
Subject: Re: E-mail
Date: 1996/12/04
Message-ID: <584r5l$mvh@service-2.agate.net>#1/1
X-Deja-AN: 202969667
references: <32a74f8e.7614673@news.cu-online.com>
organization: ARRL TC Maine section
newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.swap
```

Hmmmm? Why would anyone pay for "just" e-mail when it can be had for free? Contact the folks at JUNO where "E-mail was meant to be free!"

kb9oxe@thunderhead.com (Mike Donaldson) posted this in rec.radio.amateur.swap:

*Need a new home for e-mail? It has come to my attention that alot of
*brother and sister operators are having trouble with e-mail.
*Thunderhead.com offers e-mail services starting at 5.00 per month and
*for Hams a 1 time charge of 30.00. Beats the regular price by half.
*For more information e-mail sales@thunderhead.com.

*Mike
*KB9OXE,

73 de John/NS1Z in Rumford, Maine
Baby-bell   : 207-364-2246
Free Mail   : ns1z@juno.com
Work Mail   : John.M.Wilcox@mci.com
Home Mail   : ns1z@agate.net

```
From -8855207993703143930
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f9475af914ec6d3e
```

```
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,f9475af914ec6d3e
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,f9475af914ec6d3e
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,f9475af914ec6d3e
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,f9475af914ec6d3e
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f76e2,f9475af914ec6d3e
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,f9475af914ec6d3e
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fcc6e,f9475af914ec6d3e
X-Google-Attributes: gidfcc6e,public
From: "Samuel S. Yates" <ab4n@erols.com>
Subject: FS: ICOM 706
Date: 1996/12/07
Message-ID: <32A9D292.6FEA@erols.com>#1/1
X-Deja-AN: 202921496
references: <01bbe473$a4731cc0$281ae0c3@radioman>
content-type: text/plain; charset=us-ascii; name="ic706.txt"
organization: Erol's Internet Services
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment
,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.swap
content-disposition: inline; filename="ic706.txt"
x-mailer: Mozilla 3.01 (Win95; I)


ICOM 706 Station including:
     IC-706 (Purchased new 16AUG96, never mobile)
     AT-180 Antenna Tuner 160m thru 6m
     FL-100 500Hz CW Crystal Filter
     OPC-581 Seperation Cable
     MB-62 Mobile Mount
     MB-63 Faceplate Mount
Total AES Price $1901.85. My price $1520.00 plus shipping.

Also have  AEA 6 Meter Halo Antenna, about one month old. AES cost
was $69.00, my price $55.00 plus shipping.

All equipment is in mint condition. E-mail me if interested. I am
located in Culpeper, Virginia (about 70 miles SW of Washington, DC).

Sam Yates, AB4N




From -1747287319490400360
X-Google-Language: ENGLISH,ASCII-7-bit
```

```
X-Google-Thread: 113c71,ac4d97b7110a88c3,start
X-Google-Attributes: gid113c71,public
X-Google-Thread: 10c9e3,ac4d97b7110a88c3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10937f,ac4d97b7110a88c3,start
X-Google-Attributes: gid10937f,public
X-Google-Thread: f76e2,ac4d97b7110a88c3,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114960,ac4d97b7110a88c3,start
X-Google-Attributes: gid114960,public
X-Google-Thread: 1109af,ac4d97b7110a88c3,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 152383,ac4d97b7110a88c3,start
X-Google-Attributes: gid152383,public
From: Ira & Julie Betts <ibetts@zebra.net>
Subject: FS: FT50R/41B - 5w 2m/440 HT
Date: 1996/12/08
Message-ID: <32AB48FA.1F92@zebra.net>#1/1
X-Deja-AN: 203030274
content-type: text/plain; charset=us-ascii
organization: Rexnord Corp.
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amatuer,rec.radio.amatuer.equipment,rec.radio.amatuer.misc,re
c.radio.amatuer.swap,rec.radio.swap
x-mailer: Mozilla 2.01 (Win95; U; 16bit)


Selling FT 50R/41B 5w 2m/440 HT along with,

           ADMS-1C Software/cable
           FBA -15 AA battery holder

   Only 2-3 months old and seldom used. Asking $325.

If interested e-mail Ira/N4ZUN: ibetts@zebra.net



From -2019550487668908712
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac4d97b7110a88c3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,3f139243dfee8fe5,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,ac4d97b7110a88c3
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,3f139243dfee8fe5,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,3f139243dfee8fe5,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,ac4d97b7110a88c3
X-Google-Attributes: gidf76e2,public
```

```
X-Google-Thread: 1031c8,3f139243dfee8fe5,start
X-Google-Attributes: gid1031c8,public
From: Ira & Julie Betts <ibetts@zebra.net>
Subject: FS: FT50R/41B - 5w 2m/440 HT
Date: 1996/12/08
Message-ID: <32AB51F8.491@zebra.net>#1/1
X-Deja-AN: 203035781
references: <32AB48FA.1F92@zebra.net>
content-type: text/plain; charset=us-ascii
organization: Rexnord Corp.
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,re
c.radio.amateur.swap,rec.radio.swap
x-mailer: Mozilla 2.01 (Win95; U; 16bit)


Selling FT 50R/41B 5w 2m/440 HT along with,

             ADMS-1C Software/cable
             FBA -15 AA battery holder

    Only 2-3 months old and seldom used. Asking $325.

  If interested e-mail Ira/N4ZUN: ibetts@zebra.net




From -6975741416003175079
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac4d97b7110a88c3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,3f139243dfee8fe5
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,3f139243dfee8fe5
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 107ada,3f139243dfee8fe5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1109af,ac4d97b7110a88c3
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,ac4d97b7110a88c3
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,3f139243dfee8fe5
X-Google-Attributes: gidfa656,public
From: Ira & Julie Betts <ibetts@zebra.net>
Subject: FS: FT8000R
Date: 1996/12/08
Message-ID: <32AB5388.5593@zebra.net>#1/1
X-Deja-AN: 203037584
references: <32AB48FA.1F92@zebra.net> <32AB51F8.491@zebra.net>
content-type: text/plain; charset=us-ascii
organization: Rexnord Corp.
mime-version: 1.0
```

newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap
x-mailer: Mozilla 2.01 (Win95; U; 16bit)

Selling seldom used FT8000R Dual band mobile radio. Only 2-3 months old.
Extremely little use. Needs a good home where it will be used.

If interested e-mail me :ibetts@zebra.net

Asking $500.

Ira/N4ZUN in Mobile, AL

From -6835461725941254007
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6a607fe63408c32,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,b6a607fe63408c32,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108122,b6a607fe63408c32,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,b6a607fe63408c32,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,b6a607fe63408c32,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,b6a607fe63408c32,start
X-Google-Attributes: gidf76e2,public
From: Ira & Julie Betts <ibetts@zebra.net>
Subject: FS:Kenwood TR-2500 2m HT
Date: 1996/12/08
Message-ID: <32ABB6F7.455C@zebra.net>#1/1
X-Deja-AN: 203088342
content-type: text/plain; charset=us-ascii
organization: Rexnord Corp.
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.swap
x-mailer: Mozilla 2.01 (Win95; U; 16bit)

Selling Kenwood TR-2500 2m HT w/ desk charger.

Oldie but goodie. Well used, but works good. Asking $100.

Interested? E-mail me at ibetts@zebra.net for more information.

73, Ira/N4ZUN

```
From 2963755308611803924
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8effd10302a40569,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,8effd10302a40569,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,8effd10302a40569,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: fa656,8effd10302a40569,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,8effd10302a40569,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1109af,8effd10302a40569,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,8effd10302a40569,start
X-Google-Attributes: gidf76e2,public
From: "lisa lowell" <ka0nno@cswnet.com>
Subject: SMIRK HOMEPAGE
Date: 1996/12/10
Message-ID: <01bbe689$605f7fc0$2e23c9d0@default>#1/1
X-Deja-AN: 203267502
organization: CSW Net, Inc.
newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.
radio.amateur.misc,rec.radio.swap
```

TO ALL SIX METER SMIRK MEMBERS AND NON-MEMBERS,

THE SMIRK HOMEPAGE AND SMIRK TECH LIST HAS BEEN UPDATED AT THIS TIME. WE HAVE ALSO ADDED THE SMIRK SIX SHOOTER NEWSLETTER TO THE WEB SITE WHICH IS STILL UNDER CONSTRUCTION. FEEL FREE TO VISIT OUR WEB SITE AND ANY COMMENTS AND SUGESTIONS WOULD BE GREATLY APPRECIATED.

http://www.cswnet.com/~ka0nno

73's
GEORGE AND LISA
N0EOQ   KA0NNO

```
From -7130272352908656237
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fd5d6,22827de54b31944e,start
X-Google-Attributes: gidfd5d6,public
X-Google-Thread: 108122,22827de54b31944e,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,22827de54b31944e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,22827de54b31944e,start
```

X-Google-Attributes: gid107ada,public
X-Google-Thread: 114671,22827de54b31944e,start
X-Google-Attributes: gid114671,public
X-Google-Thread: fa029,22827de54b31944e,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: fc2a5,22827de54b31944e,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f76e2,22827de54b31944e,start
X-Google-Attributes: gidf76e2,public
From: "Spiro Evagelakos" <spiroe@nlc.net.au>
Subject: Hlp:YAESU Transceiver FT-101Z
Date: 1996/12/10
Message-ID: <01bbe67a$b8876460$688518cb@spiroe.nlc.net.au>#1/1
X-Deja-AN: 203294348
distribution: aus
content-type: TEXT/PLAIN; charset=US-ASCII
organization: NHJ NORTHLINK COMMUNICATIONS
mime-version: 1.0
newsgroups: aus.radio.amateur.misc,aus.radio.scanner,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.scanner

Hi,
My 20 watt transceiver has a burned out transformer . To purchase one new
it will cost me quite a few dollars.
Is there anyone in the Sydney area that could fix it for me......or is
willing to sell me a second hand cheap unit (as spares).

Please mail me at

conn@magna.com.au

Thanks in advance
--

From -4486008187576163008
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd2a0c652894c67b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,cd2a0c652894c67b,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108122,cd2a0c652894c67b,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,cd2a0c652894c67b,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,cd2a0c652894c67b,start
X-Google-Attributes: gidfcc6e,public
From: "David P. Hummel, Jr." <dhummel@castle.net>

Subject: Setting up an antenna tower.
Date: 1996/12/16
Message-ID: <01bbeb67$8fcce7b0$0fb919ce@davidh>#1/1
X-Deja-AN: 204392149
organization: InternetMCI
newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc

I have recently come to own a previously used antenna tower. After months of hard work, I managed to finally get it out of the ground. That was the hard part. But here is the fun part. Anybody have any ideas how I can dig a hole in the ground that is about 2.5ft in diameter and about 6.5ft deep? I tried a post hole digger, but the bits are only about 4 ft deep? Any suggestions?

Thank you in advance.
David P. Hummel, Jr.
KG2BX

From 7066154373082729858
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd2a0c652894c67b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,cd2a0c652894c67b
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,cd2a0c652894c67b
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,cd2a0c652894c67b
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,cd2a0c652894c67b
X-Google-Attributes: gidfcc6e,public
From: cn1135@abaco.coastalnet.com (Prescott)
Subject: Re: Setting up an antenna tower.
Date: 1996/12/16
Message-ID: <593vg4$qu6@treasure.coastalnet.com>#1/1
X-Deja-AN: 204403821
references: <01bbeb67$8fcce7b0$0fb919ce@davidh>
content-type: Text/Plain; charset=US-ASCII
organization: The Unorganization
mime-version: 1.0
newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc

David,

Contact your local utilities company. They often have drilling rigs to

put down telephone/light poles. I use one from a private electrical
contractor. Please be careful on your "new to you" tower. Contact the
manufacturer for proper guying procedures/anchor specs. Please inspect
it very carefully for rust, corrosion, etc. Check inside tubes if not
solid rod. Update life insurance policy!

73
Mark Prescott
KE4LWP

In article <01bbeb67$8fcce7b0$0fb919ce@davidh>, dhummel@castle.net
says...
>
>I have recently come to own a previously used antenna tower. After
months
>of hard work, I managed to finally get it out of the ground. That was
the
>hard part. But here is the fun part. Anybody have any ideas how I can
dig
>a hole in the ground that is about 2.5ft in diameter and about 6.5ft
deep?
>I tried a post hole digger, but the bits are only about 4 ft deep?
Any
>suggestions?
>
>Thank you in advance.
>David P. Hummel, Jr.
>KG2BX
>

From -2830273840318287276
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd2a0c652894c67b
X-Google-Attributes: gid10c9e3,public
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X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,cd2a0c652894c67b
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,cd2a0c652894c67b
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,cd2a0c652894c67b
X-Google-Attributes: gid107ada,public
From: bw@cs.ecok.edu (Bill Walker)
Subject: Re: Setting up an antenna tower.
Date: 1996/12/16
Message-ID: <5941qb$ml9@cs3.ecok.EDU>#1/1
X-Deja-AN: 204420487
references: <01bbeb67$8fcce7b0$0fb919ce@davidh>
followup-to: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.

radio.amateur.misc
organization: East Central University
newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc

David P. Hummel, Jr. (dhummel@castle.net) wrote:
: I have recently come to own a previously used antenna tower. After months
: of hard work, I managed to finally get it out of the ground. That was the
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: a hole in the ground that is about 2.5ft in diameter and about 6.5ft deep?
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: Thank you in advance.
: David P. Hummel, Jr.
: KG2BX

Any of several solutions come to mind. The folks that dig septic tanks have equipment to dig holes like what you describe. They are usually quite reasonable. Any good backhoe service would be able to dig it for you. The folks who dig piers for house foundations also are able to move dirt.

I had a tower base dug, and the cost was only about $50 from scratch.
On another job, where the machinery was already present for another purpose,
it was a "freebie".

Good luck es 73 de W5GFE

--
Bill Walker
bw@cs.ecok.edu

From -2681245557206314559
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd2a0c652894c67b
X-Google-Attributes: gid10c9e3,public
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X-Google-Thread: 107ada,cd2a0c652894c67b
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,cd2a0c652894c67b
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,cd2a0c652894c67b
X-Google-Attributes: gidfcc6e,public
From: "Mark Bryant" <bryant@sohobusiness.com>
Subject: Re: Setting up an antenna tower.

Date: 1996/12/17
Message-ID: <01bbebbe$5ba56460$a3d879a8@soho>#1/1
X-Deja-AN: 204470685
references: <01bbeb67$8fcce7b0$0fb919ce@davidh> <5941qb$ml9@cs3.ecok.EDU>
organization: SOHObusiness Services
newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc

A bit of advice on using a backhoe to dig the hole for a tower. All tower mfgs strongly suggest you NOT use any back hoe type digging. Reason is you need to dig the hole straight down, pour concrete and let the concrete use the sides of the ground as part of its support. If you backhoe a 45 cubic foot hole you cannot "backfill the excess hole after the concrete form is poured. The backfill cannot support the lateral tension of the concrete.

I just did a 4x4x6 hole two weeks ago. I used a post hole digger making a 6 hole grid and then cleared the rest with a shovel. Think of gravedigging, I know I did.

Mark

Bill Walker <bw@cs.ecok.edu> wrote in article <5941qb$ml9@cs3.ecok.EDU>...
> David P. Hummel, Jr. (dhummel@castle.net) wrote:
> : I have recently come to own a previously used antenna tower. After months
> : of hard work, I managed to finally get it out of the ground. That was the
> : hard part. But here is the fun part. Anybody have any ideas how I can dig
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> : I tried a post hole digger, but the bits are only about 4 ft deep? Any
> : suggestions?
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> : KG2BX
>
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> usually quite reasonable. Any good backhoe service would be able to
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> are able to move dirt.
>
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> On another job, where the machinery was already present for another purpose,
> it was a "freebie".
>
> Good luck es 73 de W5GFE

>
>
>
> --
> Bill Walker
> bw@cs.ecok.edu
>

From 4119221970903199433
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd2a0c652894c67b
X-Google-Attributes: gid10c9e3,public
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X-Google-Attributes: gid107ada,public
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X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,cd2a0c652894c67b
X-Google-Attributes: gidfcc6e,public
From: "Wendell - W5FL" <w5fl@flash.net>
Subject: Re: Setting up an antenna tower.
Date: 1996/12/17
Message-ID: <01bbebbe$cb9565e0$d3c3b5cf@w5fl.flash.net>#1/1
X-Deja-AN: 204472500
references: <01bbeb67$8fcce7b0$0fb919ce@davidh>
organization: Wyly Enterprises
newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc

David, This is a very uncommon size hole for a tower. Most guyed towers are set in this size hole, but not this deep. Most self supporting towers are set in much larger holes depending on the height. Most larger towers use 4 holes about this size, one for each leg. It would help if you state what type tower you are putting up and the antennas you plan to put on it.

I had to call a pier drilling truck (they also set poles for the utility company). They charge anywhere from $60 to $100 per hour from the time they leave their shop. They can dig a hole like this in 30 minutes in normal soil or a couple of hours of so in rock. It cost me $480 for 8 hours to dig my antenna holes in rock. There were four 18 inch x 5 1/2 ft and 1 30 inch x 4 1/2 foot plus a 9 inch x 9 foot trying to get through the rock for a ground rod, but it never came out the other side. Good Luck.

> hard part. But here is the fun part. Anybody have any ideas how I can
dig
> a hole in the ground that is about 2.5ft in diameter and about 6.5ft
deep?
> I tried a post hole digger, but the bits are only about 4 ft deep? Any

> suggestions?

From 4536058708677215168
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X-Google-Attributes: gid108122,public
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X-Google-Attributes: gid107ada,public
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X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,cd2a0c652894c67b
X-Google-Attributes: gidfcc6e,public
From: arodeca@ibm.net (Al Rodecap)
Subject: Re: Setting up an antenna tower.
Date: 1996/12/17
Message-ID: <595tvi$1l08$4@news-s01.ny.us.ibm.net>#1/1
X-Deja-AN: 204527614
references: <01bbeb67$8fcce7b0$0fb919ce@davidh>
reply-to: arodeca@ibm.net
newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc

"David P. Hummel, Jr." <dhummel@castle.net> wrote:

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>I tried a post hole digger, but the bits are only about 4 ft deep?   Any
>suggestions?

>Thank you in advance.
>David P. Hummel, Jr.
>KG2BX

You can rent a small (very small) backhoe or trencher and dig the
proper hole. Alternatively, see if you can catch someone in your area
that is having some septic, sewer, drive, or other excavation done and
offer the guy running the equipment some cash to dig your hole.

Al Rodecap
WD9AGT

From -1821982392161639863
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd2a0c652894c67b
X-Google-Attributes: gid10c9e3,public
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X-Google-Attributes: gid107ada,public
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X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,cd2a0c652894c67b
X-Google-Attributes: gidfa656,public
From: dick@merlin.libelle.com (Dick Flanagan)
Subject: Re: Setting up an antenna tower.
Date: 1996/12/17
Message-ID: <dick-ya02368000171296113350001@news.greatbasin.net>#1/1
X-Deja-AN: 204593437
distribution: world
references: <01bbeb67$8fcce7b0$0fb919ce@davidh> <5941qb$ml9@cs3.ecok.EDU> <01bbebbe$5ba56460$a3d879a8@soho>
content-type: text/plain; charset=ISO-8859-1
organization: Libelle Productions, Inc., Minden, Nevada USA
mime-version: 1.0
newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <01bbebbe$5ba56460$a3d879a8@soho>, "Mark Bryant" <bryant@sohobusiness.com> wrote:

>A bit of advice on using a backhoe to dig the hole for a tower. All tower
>mfgs strongly suggest you NOT use any back hoe type digging. Reason is you
>need to dig the hole straight down, pour concrete and let the concrete use
>the sides of the ground as part of its support. If you backhoe a 45 cubic
>foot hole you cannot "backfill the excess hole after the concrete form is
>poured. The backfill cannot support the lateral tension of the concrete.

A good back hoe operator can dig a straight hole. I've got a 5 x 5 x 8 tower footing in my back yard and it was dug in about an hour by an experienced operator using a two-foot bucket.
--
Dick Flanagan W6OLD CFII Minden, Nevada

From 355152882535973219
X-Google-Language: ENGLISH,ASCII-7-bit
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X-Google-Attributes: gid107ada,public

X-Google-Thread: fcc6e,cd2a0c652894c67b
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 108122,cd2a0c652894c67b
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,cd2a0c652894c67b
X-Google-Attributes: gidfa656,public
From: bw@cs.ecok.edu (Bill Walker)
Subject: Re: Setting up an antenna tower.
Date: 1996/12/17
Message-ID: <59739j$jhh@cs3.ecok.EDU>#1/1
X-Deja-AN: 204599120
distribution: world
references: <01bbeb67$8fcce7b0$0fb919ce@davidh> <5941qb$ml9@cs3.ecok.EDU> <01bbebbe$5ba56460$a3d879a8@soho> <dick-ya023680001712961133500001@news.greatbasin.net>
followup-to: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc
organization: East Central University
newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc

Dick Flanagan (dick@merlin.libelle.com) wrote:

: A good back hoe operator can dig a straight hole. I've got a 5 x 5 x 8
: tower footing in my back yard and it was dug in about an hour by an
: experienced operator using a two-foot bucket.
: --

I second the motion. We have a backhoe man here (Ada, Oklahoma)
that I swear can do almost _anything_ with a backhoe. It never
would occur to me to use the word "delicate" with regard to
a backhoe, but this fellow is a pure artist!

73 de Bill W5GFE

--
Bill Walker
bw@cs.ecok.edu

From -7679094691368505133
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd2a0c652894c67b
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X-Google-Attributes: gid108122,public

X-Google-Thread: fa656,cd2a0c652894c67b
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,cd2a0c652894c67b
X-Google-Attributes: gidfcc6e,public
From: fsimonds@icanect.net (Terry Simonds)
Subject: Re: Setting up an antenna tower.
Date: 1996/12/17
Message-ID: <5972hh$h7r@news.icanect.net>#1/1
X-Deja-AN: 204606522
references: <01bbeb67$8fcce7b0$0fb919ce@davidh> <5941qb$ml9@cs3.ecok.EDU>
<01bbebbe$5ba56460$a3d879a8@soho>
organization: Icanect
newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.
radio.amateur.misc

"Mark Bryant" <bryant@sohobusiness.com> wrote:

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tower
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cubic
->foot hole you cannot "backfill the excess hole after the concrete
form is
->poured. The backfill cannot support the lateral tension of the
concrete.

->I just did a 4x4x6 hole two weeks ago. I used a post hole digger
making a
->6 hole grid and then cleared the rest with a shovel. Think of
->gravedigging, I know I did.

->Mark

-> Bill Walker <bw@cs.ecok.edu> wrote in article
<5941qb$ml9@cs3.ecok.EDU>...
->> David P. Hummel, Jr. (dhummel@castle.net) wrote:
->> : I have recently come to own a previously used antenna tower.
After
->months
->> : of hard work, I managed to finally get it out of the ground.
That was
->the
->> : hard part. But here is the fun part. Anybody have any ideas
how I can
->dig
->> : a hole in the ground that is about 2.5ft in diameter and about
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->deep?
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->> : suggestions?
->>
->> : Thank you in advance.
->> : David P. Hummel, Jr.
->> : KG2BX
->>
->> Any of several solutions come to mind. The folks that dig septic
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->purpose,
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->>
->> Good luck es 73 de W5GFE
->>
->>
->>
->> --
->> Bill Walker
->> bw@cs.ecok.edu
->>

Another idea... I just finished a 3 x 3 x 6-ft hole. Cut through a
4-inch concrete deck slab to get at the dirt. Dug straight down with
long-handled shovel. Tied rope to handle where it enters the shovel.
Made it _MUCH_ easier to get the dirt out when the hole got deep.
Enlisted XYL to handle the shovel; I did the pulling on the rope.
Dunno who came out better!!

73--Terry/WB4FXD in Ft. Lauderdale, FL
fsimonds@icanect.net

From 3909819556960165859
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd2a0c652894c67b
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X-Google-Attributes: gidfcc6e,public
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X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,cd2a0c652894c67b
X-Google-Attributes: gidfa656,public
From: Bill Wyatt <bwyatt@mesnet.mesonet.ou.edu>
Subject: Re: Setting up an antenna tower.
Date: 1996/12/17
Message-ID: <32B6CEF5.58A5@mesnet.mesonet.ou.edu>#1/1
X-Deja-AN: 204616902
references: <01bbeb67$8fcce7b0$0fb919ce@davidh>
to: "David P. Hummel, Jr." <dhummel@castle.net>
content-type: text/plain; charset=us-ascii
organization: OneNet
mime-version: 1.0
newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc
x-mailer: Mozilla 3.0 (Win95; I)

David P. Hummel, Jr. wrote:
>
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> suggestions?
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> Thank you in advance.
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> KG2BX

Good day one and all.......

David as for the backhoe, forget it......I've spent a number of years running one and unless you have one of the really small ones, you can't dig a hole 2.5 ft. in diameter and 6.5 ft. deep. It just can't happen and leave the surrounding ground undisturbed. Sorry.

Having spent some time in the world of construction, the way I see it you have 2 choices. 1. Gat a shovel and someone with a small kester that can dig and fit into a 2.5 ft. hole. Yes, I know it is not very likely but, it is a way. 2. Talk with the local electric company. They have a truck that is used to set electric poles which has an auger that can dig a round hole. Most of these trucks will dig somewhere between 18 and 30 in.. Some have differant sized augers to dig the needed dia. hole.

If you can talk them into digging the hole you may have to exchange diameter for depth. I'm sure there are some eng. type folks out there that can give you the numbers but, I would thing 18-20 in. dia. and 8-9 ft. deep would be a good exchange for the requested 2.5 ft. x 6.5 ft.. Remember, put some re-bar steel in the cement base to hold the thing together.

Hope this helps......and please I'm not trying to put anyone down on the backhoe deal.....It's just that the physics of the way they dig that won't let them do this paticular job.

73's and good luck with your tower.......

Bill   N5WO

```
From -2658792108123019269
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X-Google-Attributes: gid107ada,public
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X-Google-Attributes: gidfa656,public
From: Art or Betty Eberle <aeberle@iwaynet.net>
Subject: Re: Setting up an antenna tower.
Date: 1996/12/17
Message-ID: <32B71F09.4F2E@iwaynet.net>#1/1
X-Deja-AN: 204618262
references: <01bbeb67$8fcce7b0$0fb919ce@davidh>
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mime-version: 1.0
newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.
radio.amateur.misc
x-mailer: Mozilla 3.0Gold (Win95; I)
```

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>
> Thank you in advance.
> David P. Hummel, Jr.
> KG2BX

Why dig a hole 6.5 ft. deep? Unless the tower is really tall and self
supporting, you would be better with a hole about 3'x3'x3'. Suggest you
try to get hold of a copy of the Rohn or Heights tower manual. They
give suggestions on how to design and make tower bases.

If the tower is guyed, you can get by with a much smaller base.

73,
Art Eberle
K8JBF

From -1657934726978343847
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X-Google-Thread: 108122,cd2a0c652894c67b
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,cd2a0c652894c67b
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,cd2a0c652894c67b
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,cd2a0c652894c67b
X-Google-Attributes: gidfa656,public
From: Dennis Breeden <Dennis.Breeden@postoffice.worldnet.att.net>
Subject: Re: Setting up an antenna tower.
Date: 1996/12/17
Message-ID: <32B7160D.4401@postoffice.worldnet.att.net>#1/1
X-Deja-AN: 204657790
references: <01bbeb67$8fcce7b0$0fb919ce@davidh>
content-type: text/plain; charset=us-ascii
organization: Reuter
mime-version: 1.0
newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc
x-mailer: Mozilla 2.02E (Win95; I)

David P. Hummel, Jr. wrote:
>
> I have recently come to own a previously used antenna tower. After months
> of hard work, I managed to finally get it out of the ground. That was the
> hard part. But here is the fun part. Anybody have any ideas how I can dig
> a hole in the ground that is about 2.5ft in diameter and about 6.5ft deep?
> I tried a post hole digger, but the bits are only about 4 ft deep?   Any
> suggestions?
>
> Thank you in advance.
> David P. Hummel, Jr.
> KG2BXI have used a spade shovel to break up the dirt and a military trenching

tool to scoop the dirt. Not easy but it does work.

From 5481321684961027839
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd2a0c652894c67b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,cd2a0c652894c67b
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,cd2a0c652894c67b
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,cd2a0c652894c67b
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,cd2a0c652894c67b
X-Google-Attributes: gidfcc6e,public
From: kr4tg@mindspring.com (Mike Del Pozzo)
Subject: Re: Setting up an antenna tower.
Date: 1996/12/18
Message-ID: <597naq$arc@camel5.mindspring.com>#1/1
X-Deja-AN: 204650906
references: <01bbeb67$8fcce7b0$0fb919ce@davidh>
x-server-date: 18 Dec 1996 03:10:18 GMT
organization: MindSpring Enterprises
newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc

"David P. Hummel, Jr." <dhummel@castle.net> wrote:

>I have recently come to own a previously used antenna tower. After months
>of hard work, I managed to finally get it out of the ground. That was the
>hard part. But here is the fun part. Anybody have any ideas how I can dig
>a hole in the ground that is about 2.5ft in diameter and about 6.5ft deep?
>I tried a post hole digger, but the bits are only about 4 ft deep?   Any
>suggestions?

>Thank you in advance.
>David P. Hummel, Jr.
>KG2BX

Hello David;
I know noone wants to hear the old macho story about how
an induvidual completes an unbeleivable feat , but it was worth
the exercise and $$$ saved when I dug the base of my tower...
My tower is 80 ft , guyed, and the base is a 3 ft base section of
Rohn 25 sitting on 24 " of gravel (big chunks). My tower has
taken 2 direct strikes (I think that's all) and I could not ask for
a better ground as the rest of the shack remains unharmed. I dug
the hole with a post hole digger . Created a hole about 36" in DIA
and about 5 feet deep - so the top of the 36" section is flush with
the surface of the ground . Sitting on the gravel and who knows

how many miles of GA clay , the base is plenty sturdy after backfill.
Speaking of which : after you backfill you need to let the ground set
backup with frequent wattering.
I also had a guywire break once and the tower still hardly budged
I Have a 4 element Quad on a 30 foot boom up there .
Consider what ur putting up there first . and always listen to all the
great advice from those " who have been there - done that "
Gud Luck es 73 de
Mike KR4TG

From 5524086285352819069
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,690f1649561c503c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,690f1649561c503c
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,690f1649561c503c
X-Google-Attributes: gid108778,public
X-Google-Thread: f76e2,690f1649561c503c
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fdbb7,690f1649561c503c
X-Google-Attributes: gidfdbb7,public
X-Google-Thread: fa656,690f1649561c503c
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1000bf,690f1649561c503c
X-Google-Attributes: gid1000bf,public
X-Google-Thread: fc2a5,690f1649561c503c
X-Google-Attributes: gidfc2a5,public
From: grhosler1@mmm.com (Gary Hosler)
Subject: Re: Mods to the Yaesu FT-50R
Date: 1996/12/19
Message-ID: <59bluu$idj@dawn.mmm.com>#1/1
X-Deja-AN: 204923434
references: <01bbed10$e0380d10$d787c7cd@sci>
organization: 3M - St. Paul, MN 55144-1000 US
newsgroups:
alt.radio.amateur,alt.radio.amateur.club,alt.radio.amateur.club.clarc,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

"Program / Case Manager" <winners@pobox.com> wrote:

>Anyone know of mods to the Yaesu FT-50R?

What is it that you are trying to modify? Something not working
properly? Could you be a bit more specific?

de KN0Z Gary

Opinions expressed herein are my own and may not represent those of my employer.

From 8892290189246126442
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd2a0c652894c67b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,cd2a0c652894c67b
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,cd2a0c652894c67b
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,cd2a0c652894c67b
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,cd2a0c652894c67b
X-Google-Attributes: gidfcc6e,public
From: John Fakan <JFakan@aol.com>
Subject: Re: Setting up an antenna tower.
Date: 1996/12/19
Message-ID: <32BA0C77.609B@aol.com>#1/1
X-Deja-AN: 205026022
references: <01bbeb67$8fcce7b0$0fb919ce@davidh>
<32B6CEF5.58A5@mesnet.mesonet.ou.edu>
content-type: text/plain; charset=us-ascii
organization: U.S.S COD Submarine
mime-version: 1.0
newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.
radio.amateur.misc
x-mailer: Mozilla 2.02Gold (Win95; I)

Bill Wyatt wrote:
>
> David P. Hummel, Jr. wrote:
> >
> Anybody have any ideas how I can dig
> > a hole in the ground that is about 2.5ft in diameter and about 6.5ft deep?
> > I tried a post hole digger, but the bits are only about 4 ft deep?   Any
> > suggestions?
> >
> > Thank you in advance.
> > David P. Hummel, Jr.
> > KG2BX
>
> Good day one and all.......
>
> David as for the backhoe, forget it......I've spent a number of years
> running one and unless you have one of the really small ones, you can't
> dig a hole 2.5 ft. in diameter and 6.5 ft. deep. It just can't happen
> and leave the surrounding ground undisturbed. Sorry.

>
> Having spent some time in the world of construction, the way I see it you have 2 choices. 1. Gat a shovel and someone with a small kester that can dig and fit into a 2.5 ft. hole. Yes, I know it is not very likely but, it is a way. 2. Talk with the local electric company. They have a truck that is used to set electric poles which has an auger that can dig a round hole. Most of these trucks will dig somewhere between 18 and 30 in.. Some have differant sized augers to dig the needed dia. hole.
>
> If you can talk them into digging the hole you may have to exchange diameter for depth. I'm sure there are some eng. type folks out there that can give you the numbers but, I would thing 18-20 in. dia. and 8-9 ft. deep would be a good exchange for the requested 2.5 ft. x 6.5 ft.. Remember, put some re-bar steel in the cement base to hold the thing together.
>
> Hope this helps......and please I'm not trying to put anyone down on the backhoe deal.....It's just that the physics of the way they dig that won't let them do this paticular job.
>
> 73's and good luck with your tower.......
>
> Bill   N5WO

When I was a kid the electric companies did not have truck-mounted augers and dug all of the holes for telephone and power poles by hand. I have watched them do many and remember well the tools they used. One long-handled spade was used (intermittantly with a very long crow-bar) to loosen the dirt (usually hard clay with imbedded rocks). Another long handled shovel had much of the blade formed to a ninety-degree angle so as to provide a means for lifting the loosened dirt out of the hole. As I recall the holes were at least six foot deep or considerably deeper. Two men would easily dig two or three holes per shift.

For a single hole I would expect you could make do with some jerry-rigged equivalents of the tools I described above. The technique is the thing. Loosen a few inches of the packed earth and then lift it out of the hole. And then just keep at it until you have reached your goal.

John Fakan

From 2935258623090617787
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd2a0c652894c67b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,cd2a0c652894c67b
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,cd2a0c652894c67b
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,cd2a0c652894c67b
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,cd2a0c652894c67b
X-Google-Attributes: gidfa656,public
From: gary@ke4zv.atl.ga.us (Gary Coffman)
Subject: Re: Setting up an antenna tower.
Date: 1996/12/20
Message-ID: <1996Dec20.221008.7309@ke4zv.atl.ga.us>#1/1
X-Deja-AN: 205174352
references: <01bbeb67$8fcce7b0$0fb919ce@davidh> <32B71F09.4F2E@iwaynet.net>
organization: Destructive Testing Systems
reply-to: gary@ke4zv.atl.ga.us (Gary Coffman)
newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <32B71F09.4F2E@iwaynet.net> Art or Betty Eberle <aeberle@iwaynet.net> writes:
>David P. Hummel, Jr. wrote:
>>
>> I have recently come to own a previously used antenna tower. After months
>> of hard work, I managed to finally get it out of the ground. That was the
>> hard part. But here is the fun part. Anybody have any ideas how I can dig
>> a hole in the ground that is about 2.5ft in diameter and about 6.5ft deep?
>> I tried a post hole digger, but the bits are only about 4 ft deep?   Any
>> suggestions?
>>
>> Thank you in advance.
>> David P. Hummel, Jr.
>> KG2BX
>
>Why dig a hole 6.5 ft. deep? Unless the tower is really tall and self
>supporting, you would be better with a hole about 3'x3'x3'. Suggest you
>try to get hold of a copy of the Rohn or Heights tower manual. They
>give suggestions on how to design and make tower bases.
>
>If the tower is guyed, you can get by with a much smaller base.

The size of the base needed depends very much on local soil mechanics. The tower base serves two purposes. It bears the weight of the tower, and any loading that guys may impose. And it serves to resist the overturning moment of the tower. Different soils can support different ground pressures, and different soils have different resistances to shear. There is no "one size fits all" for this sort of thing, but in general deeper is better than wider.

Now my tower has almost a full section buried. In other words the hole is 10 feet deep and has 2 feet of aggregate in the bottom. I dug it by hand with a posthole digger. Not with an auger, with a real posthole digger. I started the hole with the regular handles, and changed to longer handles as the hole got deeper. It took two leisurely mornings to finish (too hot to dig in the afternoon).

For a 6.5 foot hole, the standard handles will suffice. You just have to get down and reach into the hole a bit to work them when you get down near the bottom, the standard handles are about 5.5 feet long. It will help if you replace one of the wooden handles with 1 inch galvanized water pipe, however, because the extra weight makes the posthole digger dig better. Even in the hardpan clay here, I can just drop the digger in the hole to get a bite, close the blades with the handles, and lift out the dirt. That's a lot easier than having to muscle the blades into the ground.

If you've never seen a real posthole digger, it is like two tile spades facing each other, joined with a pivot near the bottom. You drop it in the hole, spread the handles, which brings the spades together trapping dirt between them, and lift it out of the hole. Repeat as necessary until you are done.

Gary

```
--
Gary Coffman KE4ZV          |    You make it,     | Due to provider problems
Destructive Testing Systems |    we break it.     | with previous uucp addresses
534 Shannon Way             |    Guaranteed!      | Email to ke4zv@radio.org
Lawrenceville, GA 30244     |                     |
```

From 1033588075551919057
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd2a0c652894c67b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,cd2a0c652894c67b
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,cd2a0c652894c67b
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,cd2a0c652894c67b
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,cd2a0c652894c67b
X-Google-Attributes: gidfcc6e,public
From: kh2d@kuentos.guam.net (Jim Kehler)
Subject: Gary Coughman SUPPORTS HAZING !!!
Date: 1996/12/20
Message-ID: <59fhd5$7pl@lehi.kuentos.guam.net>#1/1
X-Deja-AN: 205202392
references: <01bbeb67$8fcce7b0$0fb919ce@davidh> <32B71F09.4F2E@iwaynet.net>

<1996Dec20.221008.7309@ke4zv.atl.ga.us>
organization: Kuentos Communications Inc.
reply-to: kh2d@kuentos.guam.net
newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc

gary@ke4zv.atl.ga.us (Gary Coffman) wrote:

>Now my tower has almost a full section buried. In other words the
>hole is 10 feet deep and has 2 feet of aggregate in the bottom. I
>dug it by hand with a posthole digger. Not with an auger, with a
>real posthole digger. I started the hole with the regular handles,
>and changed to longer handles as the hole got deeper. It took two
>leisurely mornings to finish (too hot to dig in the afternoon).

```
>Gary
>--
>Gary Coffman KE4ZV          |    You make it,     | Due to provider problems
>Destructive Testing Systems |    we break it.     | with previous uucp addresses
>534 Shannon Way             |    Guaranteed!      | Email to ke4zv@radio.org
>Lawrenceville, GA 30244     |                     |
```

Gee, Gary, you just blew your image. We all thought you were Hi Tek.

'Real hams do it on the giga hertz at 56k baud, and real hams dig tower holes with a post hole digger'. I don't know, something just doesn't seem to fit.

Personally I think post hole diggers are an obsolete, antiquated way to dig a hole that should be banned.   Why should today's modern digital hams be forced to have a post hole digger jambed down their throat just because they want to have a tower ? No commercial outfit uses post hole diggers anymore. They all have gas powered augers, and big trucks with giant drill bits. Why should hams be subject to using silly, outdated, antiquated tools for digging holes when nobody else is using them ? To suggest a ham dig a tower hole with a post hole digger is nothing but HAZING ! Just because YOU like having blisters on YOUR hands doesn't mean ALL of us have to like it. How about people with disabilities ? Do you expect disabled people to spend two days in the yard with a post hole digger just because YOU did it ? What about people who live in places where the dirt is REALLY HARD ? Should they be kept out of ham radio just because of your silly post hole digger hazing ritual ?

I think not. I think people should be able to just pick up the phone, call one of those guys with the big trucks with the giant drill bits, and let THEM come over and dig the hole for the tower.   Post hole diggers are keeping a lot of quality, qualified people out of ham radio, and it's time this hazing ritual come to an END !!! I am going to write to the ARRL and WARC 99 and tell them I think it's about time to get rid of post hole diggers for ever !!!

73, Jim KH2D

```
From -3427813336359658808
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd2a0c652894c67b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,cd2a0c652894c67b
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,cd2a0c652894c67b
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,cd2a0c652894c67b
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,cd2a0c652894c67b
X-Google-Attributes: gidfcc6e,public
From: rolltide@webex.com (Rick)
Subject: Re: Setting up an antenna tower.
Date: 1996/12/21
Message-ID: <32bc1b32.702328@news.webex.com>#1/1
X-Deja-AN: 205290458
references: <01bbeb67$8fcce7b0$0fb919ce@davidh>
organization: TAC, The Atlanta Connection and Radio.Org
reply-to: rolltide@webex.com
newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.
radio.amateur.misc


"David P. Hummel, Jr." <dhummel@castle.net> wrote:

>I have recently come to own a previously used antenna tower.  After months
>of hard work, I managed to finally get it out of the ground.  That was the
>hard part.  But here is the fun part.  Anybody have any ideas how I can dig
>a hole in the ground that is about 2.5ft in diameter and about 6.5ft deep?
>I tried a post hole digger, but the bits are only about 4 ft deep?   Any
>suggestions?
>
>Thank you in advance.
>David P. Hummel, Jr.
>KG2BX
>
Dave,myself I used a back-hoe.Really the only you could do it the easy
way....gud luck......73 de AA4UF  Rick        rolltide@webex.com



From -2588093424948658359
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11621a,fc19cfa601404855,start
```

X-Google-Attributes: gid11621a,public
X-Google-Thread: 10c9e3,fc19cfa601404855,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f7796,fc19cfa601404855,start
X-Google-Attributes: gidf7796,public
X-Google-Thread: fa656,fc19cfa601404855,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114671,fc19cfa601404855,start
X-Google-Attributes: gid114671,public
X-Google-Thread: 114a57,fc19cfa601404855,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: 10c22b,fc19cfa601404855,start
X-Google-Attributes: gid10c22b,public
X-Google-Thread: fb6c1,fc19cfa601404855,start
X-Google-Attributes: gidfb6c1,public
From: Siegfried Rambaum <siram@light.lightlink.com>
Subject: CW phonetics
Date: 1996/12/21
Message-ID: <Pine.SUN.3.95.961221213057.13560D-100000@light.lightlink.com>#1/1
X-Deja-AN: 205363354
organization: ART MATRIX - LIGHTLINK
content-type: TEXT/PLAIN; charset=US-ASCII
mime-version: 1.0
newsgroups: alt.ham-radio.hf,alt.ham-radio.morse,aus.radio.amateur.misc,hannover.funk.amateurfunk,nl.radio.amateur,rec.ham-radio,rec.radio.amateur,z-netz.telecom.amateurfunk,zer.z-netz.telecom.amateurfunk

A German ham (DL1FAE) once told me, that there are CW phonetic phrases for each and every character of the Morse alphabet.

For instance, the phonetic phrase for the letter L in German is
Ich liebe Dich (I love you)
which when pronounced correctly, has the didadidit melody.

(1) I wonder if any DL/OE/HB-ham could supply me with the full list

(2) and wether or not something alike exists for the English language

I posted this query in some other group, and the first feedback gives me reason to believe that something of the like exists in the English language. From the UK somebody recalled:

Q ... God Save The Queen (dadadidah)
F ... Filling Station   (dididadit)

From the USA somebody recalled his father telling him about keyphrases they used in World War II Airforce Morse Code Training, curiously it was Q and F again:

Q ... Payday Today (I like that one, though I dont see the mental
connection between the phrase and the letter, but

maybe there is one which I only dont know about)
F ... Get a haircut (obviously, haircuts were due on Fridays)

Curious in W2-land
Siegfried
KB2YVC + DE8FGO +
editor of the Tompkins County Amateur Radio Club newsletter

From -5104091089008204262
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd2a0c652894c67b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,cd2a0c652894c67b
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,cd2a0c652894c67b
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,cd2a0c652894c67b
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,cd2a0c652894c67b
X-Google-Attributes: gidfcc6e,public
From: orion@capital.net
Subject: Re: Gary Coughman SUPPORTS HAZING !!!
Date: 1996/12/22
Message-ID: <32bcaed2.40536015@news.capital.net>#1/1
X-Deja-AN: 205370089
references: <01bbeb67$8fcce7b0$0fb919ce@davidh> <32B71F09.4F2E@iwaynet.net>
<1996Dec20.221008.7309@ke4zv.atl.ga.us> <59fhd5$7pl@lehi.kuentos.guam.net>
newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc

kh2d@kuentos.guam.net (Jim Kehler) wrote:

<snip>
>I think not. I think people should be able to just pick up the phone, call one
>of those guys with the big trucks with the giant drill bits, and let THEM come
>over and dig the hole for the tower.   Post hole diggers are keeping a lot of
>quality, qualified people out of ham radio, and it's time this hazing ritual
>come to an END !!! I am going to write to the ARRL and WARC 99 and tell them I
>think it's about time to get rid of post hole diggers for ever !!!
>
>73, Jim KH2D

I enjoy Gary's posts. He writes in an intelligent and courtious
manner. His explanations have helped me tremendously. You ought to
take this crap back to that other "newsgroup". You know the one where
the no-codes and the know-codes spend all their time sticking verbal
knives into eachother.

```
--
73,
Butch N2YMJ



From -7960994318073590390
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,efe9907d7ebee991,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,efe9907d7ebee991,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108122,efe9907d7ebee991,start
X-Google-Attributes: gid108122,public
From: Phil Mikalofsky <miksky@mail.execpc.com>
Subject: FS ICOM IC32AT U/V HT
Date: 1996/12/22
Message-ID: <32BD7475.4BDE@mail.execpc.com>#1/1
X-Deja-AN: 205446342
content-type: text/plain; charset=us-ascii
organization: Radio Communications
mime-version: 1.0
newsgroups: rec.radio.swap,rec.ham-radio,swap,rec.radio.amateur.equipment,rec.ham-
radio
x-mailer: Mozilla 2.01 (Win16; U)


FOR SALE:

ICOM IC-32AT Dual Band Amateur Handie-Talkie package, in good
condition including original packing and accessories. Also has
extended TX mod on UHF, plus:

-built-in UT-40 CTCSS encoder/decoder
-2, BP-8 1400 mAH nicad battery packs
-1, BP-70 450 mAH nicad battery pack
-1, CM-16U AC wall charger
-1, cigar lighter DC cable
-1, HM-54 speaker/mic
-1, Headset w/ boom mic & PTT switch (Encomm brand)
-1, LC-43 'leather' case
-includes operation manual and service manual

Radio and accessories are in good condition. Price is $350 shipped
for package. Contact Phil WB9TAE via e-mail or call (608)276-7691.



From 171302265589159274
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,cd2a0c652894c67b
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,cd2a0c652894c67b
```

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,cd2a0c652894c67b
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 107ada,cd2a0c652894c67b
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,cd2a0c652894c67b
X-Google-Attributes: gidfa656,public
From: ko4qc <ko4qc@concentric.net>
Subject: Re: Setting up an antenna tower.
Date: 1996/12/22
Message-ID: <32BD59EF.6527@concentric.net>#1/1
X-Deja-AN: 205447559
references: <01bbeb67$8fcce7b0$0fb919ce@davidh> <32bc1b32.702328@news.webex.com>
content-type: text/plain; charset=us-ascii
organization: Concentric Internet Services
mime-version: 1.0
reply-to: ko4qc@concentric.net
newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc
x-mailer: Mozilla 3.0C (Win95; I)

Rick wrote:
>
> "David P. Hummel, Jr." <dhummel@castle.net> wrote:
>
> >I have recently come to own a previously used antenna tower. After months
> >of hard work, I managed to finally get it out of the ground. That was the
> >hard part. But here is the fun part. Anybody have any ideas how I can dig
> >a hole in the ground that is about 2.5ft in diameter and about 6.5ft deep?
> >I tried a post hole digger, but the bits are only about 4 ft deep?   Any
> >suggestions?
> >
> >Thank you in advance.
> >David P. Hummel, Jr.
> >KG2BX
> >
> Dave,myself I used a back-hoe.Really the only you could do it the easy
> way....gud luck......73 de AA4UF Rick   rolltide@webex.com

Took you months to get it out of the ground?Sounds like an excellent installation job!!
Seasons Greetings to ALL!!
Ko4qC

From 3301474433275673356
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd2a0c652894c67b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,cd2a0c652894c67b
X-Google-Attributes: gid107ada,public

```
X-Google-Thread: fcc6e,cd2a0c652894c67b
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 108122,cd2a0c652894c67b
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,cd2a0c652894c67b
X-Google-Attributes: gidfa656,public
From: aor <aor@gteais.com>
Subject: Re: Setting up an antenna tower.
Date: 1996/12/22
Message-ID: <32BDA774.34F5@gteais.com>#1/1
X-Deja-AN: 205501118
references: <01bbeb67$8fcce7b0$0fb919ce@davidh>
to: "David P. Hummel, Jr." <dhummel@castle.net>
content-type: text/plain; charset=us-ascii
organization: gteais-org
mime-version: 1.0
newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.
radio.amateur.misc
x-mailer: Mozilla 3.01 (Win95; I)
```

I contracted with a "tree planter" (look in the Yellow Pages) who advertised digging holes with a Bobcat. I asked the largest auger they had, which was 36" !!!! $100 bucks later I had a perfect hole 36" across and 6-1/2 feet deep. My tower is a TriEx crankup to 51', and has been up 4 years now.

73, and good luck.

AL, NW2M

```
From -4478071996978602181
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd2a0c652894c67b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,cd2a0c652894c67b
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,cd2a0c652894c67b
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,cd2a0c652894c67b
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,cd2a0c652894c67b
X-Google-Attributes: gidfcc6e,public
From: "John Scott Mackey" <jmackey@mcn.net>
Subject: Re: Setting up an antenna tower.
Date: 1996/12/23
Message-ID: <01bbf083$cab28620$292da3cd@Pjmackey>#1/1
X-Deja-AN: 205534952
references: <01bbeb67$8fcce7b0$0fb919ce@davidh> <32bc1b32.702328@news.webex.com>
<32BD59EF.6527@concentric.net>
```

organization: Zip News
newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc

> > "David P. Hummel, Jr." <dhummel@castle.net> > > wrote:
> >But here is the fun part. Anybody have any ideas > >how I can dig a hole in the ground that is about > >2.5ft in diameter and about 6.5ft deep? Any > >suggestions?

Well if you have any small kids around you could take two tall garbage cans with the bottoms cut out, tape them together bottom to bottom put in hole to protect against side cave ins. At this point the cans should stick above the ground about two and a half feet. Tell the kid you need the hole deep enough so the cans are flush with ground level. Give the kid a garden troll and bucket and I'll bet it takes the kid less time to dig those two and a half feet than it took you to get the tower out of the ground. Just one idea... Merry Xmas

---

From 5275766579479523195
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd2a0c652894c67b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,cd2a0c652894c67b
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,cd2a0c652894c67b
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,cd2a0c652894c67b
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,cd2a0c652894c67b
X-Google-Attributes: gidfcc6e,public
From: seven@datasync.com (KC5WCP)
Subject: Re: Gary Coughman SUPPORTS HAZING !!!
Date: 1996/12/24
Message-ID: <59o3q4$jtr@osh2.datasync.com>#1/1
X-Deja-AN: 205728827
references: <01bbeb67$8fcce7b0$0fb919ce@davidh> <32B71F09.4F2E@iwaynet.net> <1996Dec20.221008.7309@ke4zv.atl.ga.us> <59fhd5$7pl@lehi.kuentos.guam.net>
organization: Datasync Internet
newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc

kh2d@kuentos.guam.net (Jim Kehler) wrote:

>gary@ke4zv.atl.ga.us (Gary Coffman) wrote:

>>Now my tower has almost a full section buried. In other words the

>>hole is 10 feet deep and has 2 feet of aggregate in the bottom. I
>>dug it by hand with a posthole digger. Not with an auger, with a
>>real posthole digger. I started the hole with the regular handles,
>>and changed to longer handles as the hole got deeper. It took two
>>leisurely mornings to finish (too hot to dig in the afternoon).

>>Gary
>>--
```
>>Gary Coffman KE4ZV          |    You make it,     | Due to provider problems
>>Destructive Testing Systems |    we break it.     | with previous uucp addresses
>>534 Shannon Way             |    Guaranteed!      | Email to ke4zv@radio.org
>>Lawrenceville, GA 30244     |                     |
```

>Gee, Gary, you just blew your image. We all thought you were Hi Tek.

>'Real hams do it on the giga hertz at 56k baud, and real hams dig tower holes
>with a post hole digger'. I don't know, something just doesn't seem to fit.

>Personally I think post hole diggers are an obsolete, antiquated way to dig a
>hole that should be banned.   Why should today's modern digital hams be
>forced to have a post hole digger jambed down their throat just because they
>want to have a tower ? No commercial outfit uses post hole diggers anymore.
>They all have gas powered augers, and big trucks with giant drill bits. Why
>should hams be subject to using silly, outdated, antiquated tools for digging
>holes when nobody else is using them ? To suggest a ham dig a tower hole
>with a post hole digger is nothing but HAZING ! Just because YOU like having
>blisters on YOUR hands doesn't mean ALL of us have to like it. How about people
>with disabilities ? Do you expect disabled people to spend two days in the yard
>with a post hole digger just because YOU did it ? What about people who live in
>places where the dirt is REALLY HARD ? Should they be kept out of ham radio
>just because of your silly post hole digger hazing ritual ?

>I think not. I think people should be able to just pick up the phone, call one
>of those guys with the big trucks with the giant drill bits, and let THEM come
>over and dig the hole for the tower.   Post hole diggers are keeping a lot of
>quality, qualified people out of ham radio, and it's time this hazing ritual
>come to an END !!! I am going to write to the ARRL and WARC 99 and tell them I
>think it's about time to get rid of post hole diggers for ever !!!

>73, Jim KH2D

Hey Jim,

I saw nothing in the quoted text that suggested he wanted a posthole
digger REQUIREMENT. Unlike the PRO-CODERS......

From -1650929766730760416
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,690f1649561c503c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,690f1649561c503c
X-Google-Attributes: gid108122,public
X-Google-Thread: 108778,690f1649561c503c
X-Google-Attributes: gid108778,public
X-Google-Thread: 1000bf,690f1649561c503c
X-Google-Attributes: gid1000bf,public
X-Google-Thread: fc2a5,690f1649561c503c
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,690f1649561c503c
X-Google-Attributes: gidfa656,public
X-Google-Thread: fdbb7,690f1649561c503c
X-Google-Attributes: gidfdbb7,public
X-Google-Thread: f76e2,690f1649561c503c
X-Google-Attributes: gidf76e2,public
From: i@toke.com (cRiTTa66)
Subject: Re: Mods to the Yaesu FT-50R
Date: 1996/12/24
Message-ID: <32c02ca0.1272252@news>#1/1
X-Deja-AN: 205820565
references: <01bbed10$e0380d10$d787c7cd@sci> <59bluu$idj@dawn.mmm.com>
organization: iNdependent
newsgroups:
alt.radio.amateur,alt.radio.amateur.club,alt.radio.amateur.club.clarc,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

http://www.shadow.net/~critta66/ft50.html

On Thu, 19 Dec 1996 15:08:32 GMT, grhosler1@mmm.com (Gary Hosler) wrote:

>"Program / Case Manager" <winners@pobox.com> wrote:
>
>>Anyone know of mods to the Yaesu FT-50R?
>
>What is it that you are trying to modify? Something not working
>properly? Could you be a bit more specific?
>
>de KN0Z Gary
>
>Opinions expressed herein are my own and may not represent those of my employer.

From 7056670933851207880
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,894a0d59c3f39c0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,894a0d59c3f39c0,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,894a0d59c3f39c0,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 105d97,894a0d59c3f39c0,start
X-Google-Attributes: gid105d97,public
X-Google-Thread: 115730,894a0d59c3f39c0,start
X-Google-Attributes: gid115730,public
X-Google-Thread: 10cf58,894a0d59c3f39c0,start
X-Google-Attributes: gid10cf58,public
X-Google-Thread: 107cee,894a0d59c3f39c0,start
X-Google-Attributes: gid107cee,public
X-Google-Thread: fa656,894a0d59c3f39c0,start
X-Google-Attributes: gidfa656,public
From: mega@i1.net
Subject: FS:MOTOROLA,BIRB,HP AND EAGLE
Date: 1996/12/27
Message-ID: <5a0pck$f7m@news1.i1.net>#1/1
X-Deja-AN: 206230391
organization: Internet 1st, Inc
newsgroups:
rec.audio.pro,sci.electronics.misc,sci.electronics,sci.electronics.equipment,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.swap,rec.ham-radio.swap,misc.industry.electronics.marketplace,alt.engineering.electrical

Motorola HT 600 radio UHF $200.00ea
IRF 1500 Service monitor exlent conditon $5,500.00
Bird Model 43 wattmeter with 1W 800-900 MHz slug (1 E5 5W) (1 E10 10W)()
(1 E25 25W)(1 E50 50W)(1 E100 100W)ALL 400-1000 MHz
(1 BIRD MOD 8080 25W COAXIAL RESISTOR AND LEATHER CASE FOR ALL $550.00
HP 86205 50 OHM DIRECTIONAL BRIDGE $300.00
HP 8498A 30W 30DB ATTENUATOR $300.00
HP 779D DIRECTIONAL COUPLER 1.7-12.4 GHz $300.00 300KHz TO 6GHz
EAGLE RETURN LOSS BRIDGE 5 TO 1000MHz $100.00
SEE MORE AT http://www.i1.net~mega
BOB RICK
MEGA
ST LOUIS MO
314-291-7618

From 4210973053810965085
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11621a,fc19cfa601404855
X-Google-Attributes: gid11621a,public
X-Google-Thread: 10c9e3,fc19cfa601404855
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 10c22b,fc19cfa601404855
X-Google-Attributes: gid10c22b,public
X-Google-Thread: 114a57,fc19cfa601404855
X-Google-Attributes: gid114a57,public
X-Google-Thread: 114671,fc19cfa601404855
X-Google-Attributes: gid114671,public
X-Google-Thread: fa656,fc19cfa601404855
X-Google-Attributes: gidfa656,public
X-Google-Thread: fb6c1,fc19cfa601404855
X-Google-Attributes: gidfb6c1,public
X-Google-Thread: f7796,fc19cfa601404855
X-Google-Attributes: gidf7796,public
From: "CHARLES M. FRANCER" <francer@usa1.com>
Subject: Re: CW phonetics
Date: 1996/12/30
Message-ID: <01bbf06d$9f4325a0$a7e1f9cc@default>#1/1
X-Deja-AN: 206830028
references: <Pine.SUN.3.95.961221213057.13560D-100000@light.lightlink.com>
newsgroups: alt.ham-radio.hf,alt.ham-radio.morse,aus.radio.amateur.misc,hannover.funk.amateurfunk,nl.radio.amateur,rec.ham-radio,rec.radio.amateur,z-netz.telecom.amateurfunk,zer.z-netz.telecom.amateurfunk

There is a CW learning package called Quick Code written by Dr. Wheeler. It uses phonetics and pictures as a learning stimulant.

Regards, Charles Francer, N1RPD francer@usa1.com

Siegfried Rambaum <siram@light.lightlink.com> wrote in article
<Pine.SUN.3.95.961221213057.13560D-100000@light.lightlink.com>...
> A German ham (DL1FAE) once told me, that there are CW phonetic phrases for
> each and every character of the Morse alphabet.
>
> For instance, the phonetic phrase for the letter L in German is
>   Ich liebe Dich (I love you)
>   which when pronounced correctly, has the didadidit melody.
>
> (1) I wonder if any DL/OE/HB-ham could supply me with the full list
>
> (2) and wether or not something alike exists for the English language
>
> I posted this query in some other group, and the first feedback gives me
> reason to believe that something of the like exists in the English
> language. From the UK somebody recalled:
>
> Q ... God Save The Queen (dadadidah)
> F ... Filling Station   (dididadit)
>
> From the USA somebody recalled his father telling him about keyphrases
> they used in World War II Airforce Morse Code Training, curiously it was
> Q and F again:

```
>
> Q ... Payday Today (I like that one, though I dont see the mental
>                     connection between the phrase and the letter, but
>                     maybe there is one which I only dont know about)
> F ... Get a haircut (obviously, haircuts were due on Fridays)
>
> Curious in W2-land
>   Siegfried
>     KB2YVC + DE8FGO +
>     editor of the Tompkins County Amateur Radio Club newsletter
>
>
>
```

```
From -6764768735401274662
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd5c04775680a019,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,cd5c04775680a019,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,cd5c04775680a019,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,cd5c04775680a019,start
X-Google-Attributes: gidf76e2,public
From: Phil Mikalofsky <miksky@mail.execpc.com>
Subject: FS: ICOM IC-32AT Handie-Talkie
Date: 1996/12/30
Message-ID: <32C88A42.3BC2@mail.execpc.com>#1/1
X-Deja-AN: 206854764
content-type: text/plain; charset=us-ascii
organization: Radio Communications
mime-version: 1.0
newsgroups: rec.radio.swap,rec.radio.amateur.equipment,rec.ham-radio.swap,rec.ham-radio
x-mailer: Mozilla 2.01 (Win16; U)
```

FOR SALE:

ICOM IC-32AT Dual Band Amateur Handie-Talkie package, in good condition including original packing and accessories. Also has extended TX mod on UHF (437-471 MHz), plus:

-built-in UT-40 CTCSS encoder/decoder
-2, BP-8 1400 mAH nicad battery packs
-1, BP-70 450 mAH nicad battery pack
-1, CM-16U AC wall charger
-1, cigar lighter DC cable
-1, HM-54 speaker/mic
-1, Headset w/ boom mic & PTT switch (Encomm brand)
-1, LC-43 'leather' case

-includes operation manual and service manual

Radio and accessories are in good condition. Price is $350 shipped
for package. Contact Phil WB9TAE via e-mail or call (608)276-7691.

```
From 5431738958522357166
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c5f67d5a809e01e2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,c5f67d5a809e01e2,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10f32b,c5f67d5a809e01e2,start
X-Google-Attributes: gid10f32b,public
X-Google-Thread: f4306,c5f67d5a809e01e2,start
X-Google-Attributes: gidf4306,public
X-Google-Thread: fdbb7,c5f67d5a809e01e2,start
X-Google-Attributes: gidfdbb7,public
X-Google-Thread: 1009ad,c5f67d5a809e01e2,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fe08a,c5f67d5a809e01e2,start
X-Google-Attributes: gidfe08a,public
X-Google-Thread: 101046,c5f67d5a809e01e2,start
X-Google-Attributes: gid101046,public
From: "Helen and Dirk Sykes" <heledirk@ezl.com>
Subject: Amateur Ham Radio Repeater Database Mapping Project
Date: 1996/12/31
Message-ID: <01bbf6c6$91acd080$822b18ce@sykes-system>
X-Deja-AN: 206865354
distribution: ALL Ham Radio Repeater Owners/Trustees
content-type: multipart/alternative; boundary="----
=_NextPart_000_01BBF694.47126080"
organization: METRO Network
keywords: Amateur Ham Radio Repeater Mapping
mime-version: 1.0
reply-to: Repeater Project <metronet@ezl.com>
newsgroups: alt.ham-
radio.packet,alt.radio,alt.radio.amateur.club.clarc,alt.radio.digital,alt.radio.in
ternet,alt.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatancho
rs
```

This is a multi-part message in MIME format.

```
------=_NextPart_000_01BBF694.47126080
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
```

This project will be a monumental task, but hopefully the support of all
repeater Trustees / Owners / Users will help in this task. I realize there

are places like artsci that have the repeater books and ask for updates on-line, but there are so many repeaters that have been left out.

I am going to interface the data collected with as many of the not only on-line mapping programs, but those that are on cd-rom (AAA DeLorme Map'n'Go for example). The project, when completed, should allow you to enter a route from point "a" to point "b" and show all repeaters within a selectable distance from your route with the selected parameters.

EXAMPLE: I want all 2 meter and 70 cm repeaters that are/have:
1. a phone patch
2. open
3. linked / crossband system
4. emergency power
5. LiTZ

The graphical view would show selectable icon or number in the exact location of the repeater. The user can bring up the data for any repeater by clicking the icon / number and print the information telling you at what Point in your trip the repeater is within the range you have selected and when you will be out of the selected range.

Please send the information ONLY ONCE and I ask that ALL information listed below be 100% exact (only makes sense to have accurate information for an outstanding system). I also request that, if at all possible, ONLY the OWNERS and TRUSTEES submit the information (they would have the exact data needed).
Any information not received for repeaters listed in The ARRL Repeater Directory may or may not be included in the program. I will publish a listing of the information on The METRO Net homepage so you may see if your repeater information has been received and who submitted it. If there are any other suggestions for information that should or should not be included, please include comments.

INFORMATION NEEDED (100% complete will only be accepted):
State:
Closest City/Town:
County:
Grid Coordinates: (mine is EM58BN)
[take a look at Buckmaster { http://www.buck.com/cgi-bin/do_hamcall }]

Lat/Lon of Repeater: (mine is -89.8511 lat 38.5501 lon) {This Is Important!})
        [take a look at Buckmaster { http://www.buck.com/cgi-bin/do_hamcall }]
Frequency Output:
Frequency Input:
Frequency 1 Linked: (submit all information about this frequency)
Frequency 2 Linked: (submit all information about this frequency)
Frequency 3 Linked: (submit all information about this frequency)
Repeater Call:
Repeater Owner/Trustee Call:
Sponsor:
Repeater Features: (LiTZ, Open, Autopatch, PL Tone {CTCSS}, Digital Tone, etc.)
Power Output:
Type Controller/Repeater:
Antenna Height Above Ground:
Antenna Height Above Sea Level:
Antenna Gain in dB:

OPTIONAL INFORMATION:
Repeater Owner/Sponsor email: (only one address)
Repeater Owner/Sponsor homepage: (only one address)
Repeater Owner/Sponsor US mailing address: (not email or homepage)
Comments/Other information:

Thank you for your cooperation and PLEASE forward this information to those

who may be able to redistribute this information.
Submit information to: mailto:Repeater Project <metronet@ezl.com>
Homepage: http://www.ezl.com/metronet

Dirk Sykes, N9QOG

```
------=_NextPart_000_01BBF694.47126080
Content-Type: text/html; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

<html><head></head><BODY bgcolor=3D"#FFFFFF"><p><font size=3D2 =
color=3D"#000000" face=3D"Times New Roman">This project will be a =
monumental task, but hopefully the support of all <br>repeater Trustees =
/ Owners / Users will help in this task. &nbsp;I realize there <br>are =
places like artsci that have the repeater books and ask for updates =
<br>on-line, but there are so many repeaters that have been left =
out.<br><br>I am going to interface the data collected with as many of =
the not only <br>on-line mapping programs, but those that are on cd-rom =
(AAA DeLorme Map'n'Go <br>for example). &nbsp;The project, when =
completed, should allow you to enter a route <br>from point =
&quot;a&quot; to point &quot;b&quot; and show all repeaters within a =
selectable distance <br>from your route with the selected =
parameters.<br><br><b><u>EXAMPLE</b>: &nbsp;<font color=3D"#FF00FF"><b>I =
want all 2 meter and 70 cm repeaters that are/have:<font =
color=3D"#00FF00"><br></u></b><font color=3D"#000000">1. a phone =
patch<br>2. open<br>3. linked / crossband system<br>4. emergency =
power<br>5. LiTZ<br><br>The graphical view would show selectable icon or =
number in the exact location <br>of the repeater. &nbsp;The user can =
bring up the data for any repeater by clicking <br>the icon / number and =
print the information telling you at what Point in your <br>trip the =
repeater is within the range you have selected and when you will be =
<br>out of the selected range.<br><br>Please send the information <font =
color=3D"#008000"><b>ONLY ONCE</b><font color=3D"#000000"> and I ask =
that ALL information listed <br>below be <b>100% exact </b><i>(only =
makes sense to have accurate information for an <br>outstanding system). =
&nbsp;</i>I also request that, if at all possible, <b>ONLY</b> the =
<b>OWNERS <br>and TRUSTEES </b>submit the information <i>(they would =
have the exact data needed). &nbsp;</i><br>Any information not received =
for repeaters listed in The ARRL Repeater <br>Directory may or may not =
be included in the program. &nbsp;I will publish a listing <br>of the =
information on <font color=3D"#008000"><b>The METRO Net</b> <font =
color=3D"#000000">homepage so you may see if your repeater =
<br>information has been received and who submitted it. &nbsp;If there =
are any other <br>suggestions for information that should or should not =
be included, please <br>include comments.<br><br><b><i><u>INFORMATION =
NEEDED (100% complete will only be accepted):</p>
<p><ul><li></u></i></b>State:<li>Closest City/Town:<li>County:<li>Grid =
Coordinates: &nbsp;<i>(mine is EM58BN)</i></ul></p>
<p> &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<b><i>&nbsp;[take a look at =
Buckmaster { http://www.buck.com/cgi-bin/do_hamcall }]</i></b></p>
<p><ul><li>Lat/Lon of Repeater: <i>(mine is -89.8511 lat &nbsp;38.5501 =
lon) <font color=3D"#FF0000"><b>{This Is Important!}</b><font =
color=3D"#000000">)</i></ul></p>
<p> &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<b><i>[take a look at =
Buckmaster { http://www.buck.com/cgi-bin/do_hamcall }]</p>
<p><ul><li></i></b>Frequency Output:<li>Frequency Input:<li>Frequency 1 =
Linked: <i>(submit all information about this =
frequency)</i><li>Frequency 2 Linked: <i>(submit all information about =
this frequency)</i><li>Frequency 3 Linked: <i>(submit all information =
about this frequency)</i><li>Repeater Call:<li>Repeater Owner/Trustee =
Call:<li>Sponsor:<li>Repeater Features: <i>(LiTZ, Open, Autopatch, PL =
Tone {CTCSS}, Digital Tone, etc.)</i><li>Power Output:<li>Type =
Controller/Repeater:<li>Antenna Height Above Ground:<li>Antenna Height =
Above Sea Level:<li>Antenna Gain in dB:</ul></p>
<p><br><b><i><u>OPTIONAL INFORMATION:</u></i></b></p>
<p><ul><li>Repeater Owner/Sponsor email: <i>(only one =
address)</i><li>Repeater Owner/Sponsor homepage: <i>(only one =
address)</i><li>Repeater Owner/Sponsor US mailing address: <i>(not email =
or homepage)</i><li>Comments/Other information:</ul></p>
<p><br><br>Thank you for your cooperation and <b>PLEASE</b> forward this =
information to those <br>who may be able to redistribute this =
information.<br>Submit information to: &nbsp;<font =
color=3D"#0000FF">mailto:Repeater Project &lt;metronet@ezl.com&gt;<font =
color=3D"#000000"><br>Homepage: &nbsp;<font =
color=3D"#0000FF">http://www.ezl.com/metronet<font =
color=3D"#000000"><br><br><font color=3D"#FF0000"><b>Dirk Sykes, =
N9QOG</b><font color=3D"#000000" face=3D"Arial"></p>
</font></font></font></font></font></font></font></font></font></font></f=
ont></font></font></font></font></font></body></html>
------=_NextPart_000_01BBF694.47126080--
```

```
From -4238916548382375712
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,790bad29c7340132,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,790bad29c7340132,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 1009ad,790bad29c7340132,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fdbb7,790bad29c7340132,start
X-Google-Attributes: gidfdbb7,public
X-Google-Thread: 10f32b,790bad29c7340132,start
X-Google-Attributes: gid10f32b,public
X-Google-Thread: 101046,790bad29c7340132,start
X-Google-Attributes: gid101046,public
X-Google-Thread: fe08a,790bad29c7340132,start
X-Google-Attributes: gidfe08a,public
X-Google-Thread: f4306,790bad29c7340132,start
X-Google-Attributes: gidf4306,public
From: "Helen and Dirk Sykes" <heledirk@ezl.com>
Subject: Repeater Database Project for Amateur Repeater Owners/Trustees/Officers/
Controllers/Users
Date: 1997/01/01
Message-ID: <01bbf79c$6785c740$362b18ce@sykes-system>
X-Deja-AN: 207051510
content-type: multipart/alternative; boundary="----
=_NextPart_000_01BBF76A.1CEB5740"
organization: METRO Network
keywords: Amateur Radio Ham Repeater Project
mime-version: 1.0
reply-to: metronet@ezl.com
newsgroups: alt.ham-
radio.packet,alt.radio,alt.radio.amateur.club.clarc,alt.radio.digital,alt.radio.in
ternet,alt.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatancho
rs
```

This is a multi-part message in MIME format.

```
------=_NextPart_000_01BBF76A.1CEB5740
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
```

This project will be a monumental task, but hopefully the support of all repeater Trustees / Owners / Users will help in this task. I realize there are places like Artsci that have the repeater books and ask for updates on-line, but there are so many repeaters that have been left out. I am going to interface the data collected with as many of the not only on-line mapping programs, but those that are on CD-ROM (AAA DeLorme Map'n'Go for example). The project, when completed, should allow you to enter a route from point "a" to point "b" and show all repeaters within a selectable distance from your route with the selected parameters.

EXAMPLE: I want all 2 meter and 70 cm repeaters that are/have:
1. a phone patch
2. open
3. linked / crossband system
4. emergency power
5. LiTZ

The graphical view would show selectable icon or number in the exact location of the repeater. The user can bring up the data for any repeater by clicking the icon / number and print the information telling you at what Point in your trip the repeater is within the range you have selected and when you will be out of the selected range.

Please send the information ONLY ONCE and I ask that ALL information listed below be 100% exact (only makes sense to have accurate information for an outstanding system). I also request that, if at all possible, ONLY the OWNERS and TRUSTEES submit the information (they would have the exact data needed). Any information not received for repeaters listed in The ARRL Repeater Directory may or may not be included in the program. I will publish a listing of the information on The METRO Net homepage so you may see if your repeater information has been received and who submitted it.
If there are any other
suggestions for information that should or should not be included, please include comments. Refrain from submitting digital (packet) nodes until the FM phone (voice) is completed.

INFORMATION NEEDED (100% complete will only be accepted):
State:
Closest City/Town:
County:
Grid Coordinates: (mine is EM58BN)
[take a look at Buckmaster { http://www.buck.com/cgi-bin/do_hamcall }]
Lat/Lon of Repeater: (mine is -89.8511 lat 38.5501 lon) {This Is Important!})
[take a look at Buckmaster { http://www.buck.com/cgi-bin/do_hamcall }]
Frequency Output:
Frequency Input:
Frequency 1 Linked: (submit all information about this frequency)
Frequency 2 Linked: (submit all information about this frequency)
Frequency 3 Linked: (submit all information about this frequency)
Repeater Call:
Repeater Owner/Trustee Call:
Sponsor:
Repeater Features: (LiTZ, Open, Autopatch, PL Tone {CTCSS}, Digital Tone, etc.)
Power Output:

Type Controller/Repeater:
Antenna Height Above Ground:
Antenna Height Above Sea Level:
Antenna Gain in dB:

OPTIONAL INFORMATION:
Repeater Owner/Sponsor email: (only one address)
Repeater Owner/Sponsor homepage: (only one address)
Repeater Owner/Sponsor US mailing address: (not email or homepage)
Comments/Other information:

Thank you for your cooperation and PLEASE forward this information to those who may be able to redistribute this information.

Submit information to: mailto:Repeater Project <metronet@ezl.com>

Thank you and 73 de
Dirk Sykes

```
------=_NextPart_000_01BBF76A.1CEB5740
Content-Type: text/html; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

<html><head></head><BODY bgcolor=3D"#FFFFFF"><p><font size=3D2 =
color=3D"#000000" face=3D"Arial">This project will be a monumental task, =
but hopefully the support of all repeater Trustees / Owners / Users will =
help in this task. &nbsp;I realize there are places like Artsci that =
have the repeater books and ask for updates on-line, but there are so =
many repeaters that have been left out. &nbsp;I am going to interface =
the data collected with as many of the not only on-line mapping =
programs, but those that are on CD-ROM (AAA DeLorme Map'n'Go for =
example). &nbsp;The project, when completed, should allow you to enter a =
route from point &quot;a&quot; to point &quot;b&quot; and show all =
repeaters within a selectable distance from your route with the selected =
parameters.<br><br></p>
<p align=3Dcenter><b><i><u>EXAMPLE: &nbsp;</b>I want all 2 meter and 70 =
cm repeaters that are/have:</p>
<p></u></i>1. a phone patch<br>2. open<br>3. linked / crossband =
system<br>4. emergency power<br>5. LiTZ<br><br>The graphical view would =
show selectable icon or number in the exact location of the repeater. =
&nbsp;The user can bring up the data for any repeater by clicking the =
icon / number and print the information telling you at what Point in =
your trip the repeater is within the range you have selected and when =
you will be out of the selected range.<br><br>Please send the =
information ONLY ONCE and I ask that ALL information listed below be =
100% exact (only makes sense to have accurate information for an =
outstanding system). &nbsp;I also request that, if at all possible, ONLY =
the OWNERS and TRUSTEES submit the information (they would have the =
exact data<br>needed). &nbsp;Any information not received for repeaters =
listed in The ARRL Repeater Directory may or may not be included in the =
program. &nbsp;I will publish a listing of the information on The METRO =
Net homepage so you may see if your repeater information has been =
received and who submitted it. &nbsp;If there are any =
other<br>suggestions for information that should or should not be =
included, please include comments. &nbsp;<font color=3D"#FF00FF">Refrain =
from submitting digital (packet) nodes until the FM phone (voice) is =
completed.<br><br><font color=3D"#FF0000"><b><u>INFORMATION =
NEEDED</u></b><font color=3D"#000000"> <font color=3D"#00FF00"><b>(100% =
complete will only be accepted):</b><font color=3D"#000000"></p>
<p><ul><li>State:<li>Closest City/Town:<li>County:<li>Grid Coordinates: =
&nbsp;(mine is EM58BN)</ul></p>
<p>&#009;[take a look at Buckmaster { <font =
color=3D"#0000FF"><u>http://www.buck.com/cgi-bin/do_hamcall </u><font =
color=3D"#000000">}]</p>
<p><ul><li>Lat/Lon of Repeater: (mine is -89.8511 lat &nbsp;38.5501 lon) =
{This Is Important!})</ul></p>
<p> &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;[take a look at Buckmaster =
{ <font color=3D"#0000FF"><u>http://www.buck.com/cgi-bin/do_hamcall =
</u><font color=3D"#000000">}]</p>
<p><ul><li>Frequency Output:<li>Frequency Input:<li>Frequency 1 Linked: =
(submit all information about this frequency)<li>Frequency 2 Linked: =
(submit all information about this frequency)<li>Frequency 3 Linked: =
(submit all information about this frequency)<li>Repeater =
Call:<li>Repeater Owner/Trustee Call:<li>Sponsor:<li>Repeater Features: =
(LiTZ, Open, Autopatch, PL Tone {CTCSS}, Digital Tone, etc.)<li>Power =
Output:<li>Type Controller/Repeater:<li>Antenna Height Above =
Ground:<li>Antenna Height Above Sea Level:<li>Antenna Gain in =
dB:</ul></p>
<p><br><font color=3D"#FF0000"><b><u>OPTIONAL INFORMATION:</u></b><font =
color=3D"#000000"></p>
<p><ul><li>Repeater Owner/Sponsor email: (only one address)<li>Repeater =
Owner/Sponsor homepage: (only one address)<li>Repeater Owner/Sponsor US =
mailing address: (not email or homepage)<li>Comments/Other =
information:</ul></p>
<p><br><br>Thank you for your cooperation and <b>PLEASE</b> forward this =
information to those who may be able to redistribute this =
information.<br><br>Submit information to: &nbsp;<font =
color=3D"#0000FF"><u>mailto:Repeater Project =
&lt;metronet@ezl.com&gt;</u><font color=3D"#000000"><br><br>Thank you =
and 73 de<br><font size=3D6 face=3D"Brush Script MT"><b><i>Dirk =
Sykes</i></b><font size=3D2 face=3D"Arial"><br><br></p>
</font></font></font></font></font></font></font></font></font></font></f=
ont></font></font></font></font></font></body></html>
------=_NextPart_000_01BBF76A.1CEB5740--




From -2419851105478019273
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,790bad29c7340132
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f4306,790bad29c7340132
X-Google-Attributes: gidf4306,public
X-Google-Thread: 1009ad,790bad29c7340132
```

X-Google-Attributes: gid1009ad,public
X-Google-Thread: 10f32b,790bad29c7340132
X-Google-Attributes: gid10f32b,public
X-Google-Thread: fddbf,790bad29c7340132
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fe08a,790bad29c7340132
X-Google-Attributes: gidfe08a,public
X-Google-Thread: fdbb7,790bad29c7340132
X-Google-Attributes: gidfdbb7,public
X-Google-Thread: 101046,790bad29c7340132
X-Google-Attributes: gid101046,public
From: bbowers@townsqr.com (Blake Bowers)
Subject: Re: Repeater Database Project for Amateur Repeater Owners/Trustees/Officers/Controllers/Users
Date: 1997/01/01
Message-ID: <5aduup$61r@tofu.alt.net>#1/1
X-Deja-AN: 207119184
references: <01bbf79c$6785c740$362b18ce@sykes-system>
organization: Altopia Corp. - Affordable Usenet Access - http://www.alt.net
newsgroups: alt.ham-radio.packet,alt.radio,alt.radio.amateur.club.clarc,alt.radio.digital,alt.radio.internet,alt.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors

"Helen and Dirk Sykes" <heledirk@ezl.com> wrote:

>This project will be a monumental task, but hopefully the support of all
>repeater Trustees / Owners / Users will help in this task. I realize there

And how will the finished product be available? I take it, that it
will be available, how much?

From -8429062912819273786
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d6b67559af78feca,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,d6b67559af78feca,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f64c6,d6b67559af78feca,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fa656,d6b67559af78feca,start
X-Google-Attributes: gidfa656,public
From: gerard <0vdenbroek03@flnet.nl>
Subject: YAESU parts
Date: 1997/01/01
Message-ID: <32CAC8B6.6D06@flnet.nl>#1/1
X-Deja-AN: 207205000

content-type: text/plain; charset=us-ascii
organization: flnet.nl
mime-version: 1.0
reply-to: flnet.nl
newsgroups: uk.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment
x-mailer: Mozilla 3.01 (Win95; I)

The digital frequency diplay of my FT107 has lost some segments, due to
a partially defective counter chip.
Does anybody has this counter chip, or info how to obtain this chip.
The LSI counter chip is called MSM9520RS.
This one is also used in the FT707. Yaesu has no stock left.
Best regards and hope to hear from you...Gerard PA2GBK

From 3192037416990045509
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d6b67559af78feca
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,d6b67559af78feca
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,d6b67559af78feca
X-Google-Attributes: gidfa656,public
X-Google-Thread: f64c6,d6b67559af78feca
X-Google-Attributes: gidf64c6,public
From: Geoff Brown <equinox@itl.net>
Subject: Re: YAESU parts
Date: 1997/01/02
Message-ID: <32CBEF87.C47@itl.net>#1/1
X-Deja-AN: 207244300
references: <32CAC8B6.6D06@flnet.nl>
content-type: text/plain; charset=us-ascii
organization: NETCOM Internet Ltd.
mime-version: 1.0
newsgroups: uk.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment
x-mailer: Mozilla 3.0 (Win95; I; 16bit)

gerard wrote:
>
> The digital frequency diplay of my FT107 has lost some segments, due to
> a partially defective counter chip.
> Does anybody has this counter chip, or info how to obtain this chip.
> The LSI counter chip is called MSM9520RS.
> This one is also used in the FT707. Yaesu has no stock left.
> Best regards and hope to hear from you...Gerard PA2GBK

Yes we also tried to get this part for a repair but were told by Japan
that no more stocks were available.

Try asking for a non working FT707 or 107
HNY Geoff

From 1055063007232070180
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d6b67559af78feca
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,d6b67559af78feca
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 108122,d6b67559af78feca
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,d6b67559af78feca
X-Google-Attributes: gidfa656,public
From: Roland Brade <roland@venusww.demon.co.uk>
Subject: Re: YAESU parts
Date: 1997/01/02
Message-ID: <5N2yRCAsp6yyIw+T@venusww.demon.co.uk>#1/1
X-Deja-AN: 207283294
distribution: world
x-nntp-posting-host: venusww.demon.co.uk
references: <32CAC8B6.6D06@flnet.nl> <32CBEF87.C47@itl.net>
organization: Venus Electronics
mime-version: 1.0
newsgroups: uk.radio.amateur,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment

In article <32CBEF87.C47@itl.net>, Geoff Brown <equinox@itl.net> writes
>gerard wrote:
>>
>> The digital frequency diplay of my FT107 has lost some segments, due to
>> a partially defective counter chip.
>> Does anybody has this counter chip, or info how to obtain this chip.
>> The LSI counter chip is called MSM9520RS.
>> This one is also used in the FT707. Yaesu has no stock left.
>> Best regards and hope to hear from you...Gerard PA2GBK
>
>Yes we also tried to get this part for a repair but were told by Japan
>that no more stocks were available.
>Try asking for a non working FT707 or 107
>
Fax or Email Japan and ask them where they come from, They often will
send you one for free.
Don't believe everything the agents tell you as I have had a similar
problem some years ago.

Whilst on this anyone know of a source of the multi-pin miniture Jack
plug as used on the FT10-50R handhelds?
Happy New year to everyone.
--
Roland Brade

```
roland@venusww.demon.co.uk
http;//www.venusww.demon.co.uk




From 3613248630653565962
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d6b67559af78feca
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,d6b67559af78feca
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fa656,d6b67559af78feca
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108122,d6b67559af78feca
X-Google-Attributes: gid108122,public
From: David Husband <David@scanmaster.co.uk>
Subject: Re: YAESU parts
Date: 1997/01/02
Message-ID: <rCu2mAAj0AzyEwss@scanmaster.demon.co.uk>#1/1
X-Deja-AN: 207334567
distribution: world
x-nntp-posting-host: scanmaster.demon.co.uk
references: <32CAC8B6.6D06@flnet.nl> <32CBEF87.C47@itl.net>
organization: Scanmaster Products Ltd
mime-version: 1.0
reply-to: David@scanmaster.co.uk
newsgroups: uk.radio.amateur,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment


In article <5N2yRCAsp6yyIw+T@venusww.demon.co.uk>, Roland Brade
<roland@venusww.demon.co.uk> writes
>In article <32CBEF87.C47@itl.net>, Geoff Brown <equinox@itl.net> writes
>>gerard wrote:
>>>
>>> The digital frequency diplay of my FT107 has lost some segments, due to
>>> a partially defective counter chip.
>>> Does anybody has this counter chip, or info how to obtain this chip.
>>> The LSI counter chip is called  MSM9520RS.
                                    ^^^^^^^^^^ Looks like an OKI part..

>>> This one is also used in the FT707. Yaesu has no stock left.
>>> Best regards and hope to hear from you...Gerard PA2GBK
>>
>>Yes we also tried to get this part for a repair but were told by Japan
>>that no more stocks were available.
>>Try asking for a non working FT707 or 107

The part mentioned looks like an OKI Semiconductor part from the number
-- should be possible to obtain this part from an OKI distributor -- but
very often parts are obsoleted and nobody has any stock left....
```

Regards..
--
David Husband, G8HJT, Portland, Dorset   01305 826900   0973 625969

From -132801175364897050
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d6b67559af78feca
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,d6b67559af78feca
X-Google-Attributes: gid108122,public
X-Google-Thread: f64c6,d6b67559af78feca
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fa656,d6b67559af78feca
X-Google-Attributes: gidfa656,public
From: Martin Davies <Martin@amdavies.demon.co.uk>
Subject: Re: YAESU parts
Date: 1997/01/02
Message-ID: <852248370snz@amdavies.demon.co.uk>#1/1
X-Deja-AN: 207358777
distribution: world
references: <32CAC8B6.6D06@flnet.nl> <32CBEF87.C47@itl.net>
<rCu2mAAj0AzyEwss@scanmaster.demon.co.uk>
x-mail2news-user: Martin@amdavies.demon.co.uk
x-mail2news-path: relay-7.mail.demon.net!amdavies.demon.co.uk
organization: the homebrew again
reply-to: Martin@amdavies.demon.co.uk
newsgroups: uk.radio.amateur,rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.equipment

In article <rCu2mAAj0AzyEwss@scanmaster.demon.co.uk>
           David@scanmaster.co.uk "David Husband" writes:

```
> >>> The LSI counter chip is called  MSM9520RS.
>                                     ^^^^^^^^^^ Looks like an OKI part..
>
> The part mentioned looks like an OKI Semiconductor part from the number
> -- should be possible to obtain this part from an OKI distributor -- but
> very often parts are obsoleted and nobody has any stock left....
>
```

A couple of years ago I was trying to locate a source of a very
similar device which was used in (I think) a Lowes SRX-30 HF
receiver. I tried all the usual OKI distributors in the UK,
including OKI themselves who fax'ed Japan for me, as well as
Lowes and Yaesu who both 'thought' they had some, all to no
avail. From what I recall being told by OKI, the various
equipment manufacturers all had different versions of the chip
mask-programmed to their specific requirements (IF offsets,
etc), so once the supply of a particular variant was exhausted,

that was it - finito, etc. They did offer to make a new batch for me, but wanted a minimum order of (IIRC) 10,000!

Sorry to be such a kill-joy, but I don't hold out much hope that you'll be able to find a supplier. Good luck with your search, anyway.

--
73 de Martin Davies, G0HDB
PS - Did you hear about the dyslexic devil worshipper who sold
his soul to Santa?

```
From -661959327963024824
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f398275117a9f871,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,f398275117a9f871,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa029,f398275117a9f871,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1009ad,f398275117a9f871,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 1031c8,f398275117a9f871,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 1109af,73fc93cb4e7e3708
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,f398275117a9f871,start
X-Google-Attributes: gidfa656,public
From: sonet@bellsouth.net
Subject: Trade IBM ThinkPad for radio equipment
Date: 1997/01/07
Message-ID: <5asct6$pbj@news.rdu.bellsouth.net>#1/1
X-Deja-AN: 208221584
newsgroups:
alt.radio.scanner,rec.radio.scanner,rec.radio.swap,rec.radio.amateur,rec.ham-
radio.swap,rec.ham-radio,rec.radio.amateur.swap
```

OK, here's the deal. I have an IBM ThinkPad 720 mono that is collecting dust.

The package I have includes: laptop (486/50, 12/240, all ext. ports, 1.44 floppy, 2 PCMCIA slots), AC adaptor/charger, 3 extra batteries, 2 extra 160mb hard drives, 2 docking stations (both with full set of ports, SCSI-2, 2 expansion slots, 5 1/4" drive bay. One has 2x IBM SCSI CD-ROM.), external battery charger, and hardshell carry case with handles and wheels. Everything

is in excellent condition. Current value on today's used market is about $1200 for everything. Would prefer to keep package together, buyer pays shipping.

What I would be willing to trade for: cash, BC 9000xlt, 2m/70cm handheld, AOR

AR8000, PRO26, PRO2006, BC 3000XLT, Icom R7000, digital general coverage receiver, and
possibly other items. Will accept combination of above or other arrangement to equal value of laptop and accessories.

Please email offers and questions. Thanks.

From 8244267270845281103
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d1406214a0497066,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fdb88,d1406214a0497066,start
X-Google-Attributes: gidfdb88,public
X-Google-Thread: 10fcc9,d1406214a0497066,start
X-Google-Attributes: gid10fcc9,public
X-Google-Thread: 114f1f,d1406214a0497066,start
X-Google-Attributes: gid114f1f,public
X-Google-Thread: 109c0d,d1406214a0497066,start
X-Google-Attributes: gid109c0d,public
X-Google-Thread: f5b2d,d1406214a0497066,start
X-Google-Attributes: gidf5b2d,public
X-Google-Thread: 111f31,d1406214a0497066,start
X-Google-Attributes: gid111f31,public
X-Google-Thread: 108778,d1406214a0497066,start
X-Google-Attributes: gid108778,public
From: "Ron in Seattle" <ron.in.seattle@pobox.com>
Subject: Misc Ham gear FS or trade
Date: 1997/01/09
Message-ID: <01bbfe69$2f970c30$d987c7cd@sci>#1/1
X-Deja-AN: 208804681
organization: ron.in.seattle@pobox.com
newsgroups: alt.forsale,alt.marketplace.funky-stuff.forsale,alt.radio.amateur,misc.forsale,misc.forsale.misc,misc.forsale.non-computer,pnw.forsale,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.boatanchors,rec.radio.amateur.misc,rec.

-Mic/Earphone in one for ham, CB or other handheld transmitters. Eartalk Invisible Mic CT221ME, enhanced version w internal amp and gain control. Unused, in original packaging. $45

-Handheld speaker mic for ham, CB or other handheld transmitter. RadioShack CT 19-310.

-Mobile HAM 2 meter, HTX-212 Radio Shack, 45 & 10 watts, true FM modulation, 31 memory channels, CTCSS, DTMF, Dual VFO and Duplex, Extended band coverage (136-174 MHz), in new condition, in box, $170

```
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Visit Seattle Counseling Information at:
            http://pobox.com/~sci




From -8480569923936105104
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a5f15bea1bf3ab3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,1a5f15bea1bf3ab3,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fddbf,1a5f15bea1bf3ab3,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 105207,1a5f15bea1bf3ab3,start
X-Google-Attributes: gid105207,public
X-Google-Thread: f4306,1a5f15bea1bf3ab3,start
X-Google-Attributes: gidf4306,public
X-Google-Thread: f76e2,1a5f15bea1bf3ab3,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fbc89,1a5f15bea1bf3ab3,start
X-Google-Attributes: gidfbc89,public
X-Google-Thread: fe08a,1a5f15bea1bf3ab3,start
X-Google-Attributes: gidfe08a,public
From: John - KI4RO <ki4ro@mnsinc.com>
Subject: Re: New Address for HamLinks Promotions
Date: 1997/01/11
Message-ID: <5b6u9a$t5r@news1.mnsinc.com>#1/1
X-Deja-AN: 209052947
distribution: inet
organization: Monumental Network Systems
newsgroups: alt.ham-
radio.packet,alt.radio.internet,alt.radio.pirate,alt.radio.scanner,pdx.computing,r
ec.ham-radio,rec.ham-radio.packet,rec.ham-
radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur
.digital,rec.radio.amateur.di


"Rich " <n7hmb@cybernw.com> writes: >
> Have a peek, the the new HamLinks url
>
> http://www.hamlinks.com
>
> We took the plunge!
>
> 73 DE Rich N7HMB
> n7hmb@hamlinks.com
Nice page Rich.

73
John
```

From 7076072388691612618
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c42dab912c2338d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115af6,2c42dab912c2338d
X-Google-Attributes: gid115af6,public
X-Google-Thread: 114aac,2c42dab912c2338d
X-Google-Attributes: gid114aac,public
X-Google-Thread: 107cee,2c42dab912c2338d
X-Google-Attributes: gid107cee,public
X-Google-Thread: 11480d,2c42dab912c2338d
X-Google-Attributes: gid11480d,public
X-Google-Thread: 105d97,2c42dab912c2338d
X-Google-Attributes: gid105d97,public
From: "Dmitriy V. Osipkin" <dima@isis.nsu.ru>
Subject: Re: HF band plan
Date: 1997/01/11
Message-ID: <32D72FCC.704A@isis.nsu.ru>#1/1
X-Deja-AN: 209166055
references: <5b4ucr$1jr@post.servtech.com>
content-type: text/plain; charset=koi8-r
organization: TechnoArt
mime-version: 1.0
reply-to: dima@isis.nsu.ru
newsgroups: rec.ham-radio,rec.radio,rec.radio.amateur.dx,rec.radio.shortwave,sci.electronics,sci.electronics.misc
x-mailer: Mozilla 3.01 (Win95; I)

Maroof H. Choudhury wrote:
>
> Can anyone give me the complete band plan for HF frequencies?
> Please email.
> Thanks.
>
> - Maroof
> <maroof@triton.kaifnet.com>

Hi !
Who can, please mail me too.
Thanks.

--
Sincerely yours,
Dmitriy Osipkin.

```
--------------------------------------------------------------
|     Dmitriy V.(Vladimirovish)Osipkin
| Work phone:   7-3832-397482
| E-mail:       dima@isis.nsu.ru
|               osipkin@thepentagon.com
| SPRINT:       (C:USSR, A:SOVMAIL, O:NEO.TELECOM, UN:DIMA)
| WWW           http://dima.isis.nsu.ru
|               http://isis.nsu.ru/~dima
| Call-sign:    UA9OPU
--------------------------------------------------------------
```

From 5629906876956172096
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c42dab912c2338d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,2c42dab912c2338d
X-Google-Attributes: gid114aac,public
X-Google-Thread: 11480d,2c42dab912c2338d
X-Google-Attributes: gid11480d,public
X-Google-Thread: 105d97,2c42dab912c2338d
X-Google-Attributes: gid105d97,public
X-Google-Thread: 115af6,2c42dab912c2338d
X-Google-Attributes: gid115af6,public
X-Google-Thread: 107cee,2c42dab912c2338d
X-Google-Attributes: gid107cee,public
From: blue@bga.com (Mary Ann Hartgrove)
Subject: Re: HF band plan
Date: 1997/01/11
Message-ID: <5b9e1q$dkh@ghostwheel.bga.com>#1/1
X-Deja-AN: 209239957
references: <5b4ucr$1jr@post.servtech.com>
organization: Real/Time Communications - Bob Gustwick and Associates
x-rtcode: 6c7f88cf325a6231c9d83b7b
newsgroups: rec.ham-radio,rec.radio,rec.radio.amateur.dx,rec.radio.shortwave,sci.electronics,sci.electronics.misc

In article <5b4ucr$1jr@post.servtech.com>,
Maroof H. Choudhury <maroof@triton.kaifnet.com> wrote:
>Can anyone give me the complete band plan for HF frequencies?
>Please email.
Someone else asked for this too so I'll post to the newsgroup.
There is a bandplan available on the web at the University of
Texas Amateur Radio Club site, http://www.utexas.edu/students/utarc/
Look for a icon that mentions band plans.

BTW, I'm posting this from a friend's account. If you have any questions
you can reach me at barron@liant.com.

73,

Robert Barron KA5WSS

From 4617261346679073143
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,30446c663ef9fcfd,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,30446c663ef9fcfd,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 115af6,30446c663ef9fcfd,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 10c2ee,30446c663ef9fcfd,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 108122,30446c663ef9fcfd,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,30446c663ef9fcfd,start
X-Google-Attributes: gidfa656,public
From: briancox@freeway.net
Subject: !!KNIGHT KIT OCEAN HOPPER - GOOD HOME!!
Date: 1997/01/12
Message-ID: <5basl6$id0$1@newsserv.freeway.net>#1/1
X-Deja-AN: 209343884
organization: "Freeway Internet Services"
newsgroups: rec.radio.amateur.equipment,rec.radio,rec.radio.amateur,rec.ham-radio,rec.ham-radio.swap,rec.antiques.radio+phono

Wanted: Knight Kit 60's era Ocean Hopper receiver with plug in coils and manual. Prefer in working order, but does not need to be.

I am trying to put my first Novice station (1965) back together and would like to place the Ocean Hopper next to my DX-40

Please contact:
Brian N8TC (ex-WA8QAF) - briancox@freeway.net

From -6607835067491254329
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c42dab912c2338d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,2c42dab912c2338d
X-Google-Attributes: gid114aac,public
X-Google-Thread: 115af6,2c42dab912c2338d
X-Google-Attributes: gid115af6,public
X-Google-Thread: 105d97,2c42dab912c2338d
X-Google-Attributes: gid105d97,public
X-Google-Thread: 11480d,2c42dab912c2338d

X-Google-Attributes: gid11480d,public
X-Google-Thread: 107cee,2c42dab912c2338d
X-Google-Attributes: gid107cee,public
From: "Esteban Sanchis" <esanchis@uv.es>
Subject: Re: HF band plan
Date: 1997/01/12
Message-ID: <01bc00b2$fc6fdf20$55079c93@dxer.eleinf.uv.es>#1/1
X-Deja-AN: 209384586
references: <5b4ucr$1jr@post.servtech.com>
organization: L.E.I.I.
newsgroups: rec.ham-radio,rec.radio,rec.radio.amateur.dx,rec.radio.shortwave,sci.electronics,sci.electronics.misc

Try this address:

http://www.ntia.doc.gov/osmhome/alloctbl/alloctbl.html

I hope it helps you,

Stefan, (EA5GMI)

Maroof H. Choudhury <maroof@triton.kaifnet.com> wrote in article <5b4ucr$1jr@post.servtech.com>...
> Can anyone give me the complete band plan for HF frequencies?
> Please email.
> Thanks.
>
> - Maroof
> <maroof@triton.kaifnet.com>
>

From 4974562008745639070
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc8c1e87e2a4ebf0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10a3bb,dc8c1e87e2a4ebf0,start
X-Google-Attributes: gid10a3bb,public
X-Google-Thread: fa656,dc8c1e87e2a4ebf0,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 114cd0,dc8c1e87e2a4ebf0,start
X-Google-Attributes: gid114cd0,public
From: "Ken Harris" <kjh@shoreline-studios.com>
Subject: SCARA meeting: when and where
Date: 1997/01/12
Message-ID: <01bc00e2$2a4b0620$22e10ece@rem1.shoreline-studios.com>#1/1
X-Deja-AN: 209424205
organization: meer.net
newsgroups: rec.ham-radio,rec.radio.amateur,slac.rec.ham_radio,su.org.ham-radio

When and where is the Santa Clara amateur radio meeting? I think it is tomorrow (monday) at 7:30, but I don't know where.

Thanks.

```
From -4238411603411382725
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d7b5bb9d9f91991,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,4d7b5bb9d9f91991,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,4d7b5bb9d9f91991,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f7653,4d7b5bb9d9f91991,start
X-Google-Attributes: gidf7653,public
From: stevez@cycat.com
Subject: Announcing 1997 Orlando HamCation (SM) and Computer Show
Date: 1997/01/15
Message-ID: <5bjm4n$7fv@news.dx.net>#1/1
X-Deja-AN: 210057893
organization: The DataXchange Network, Inc
x-everything: Net-Tamer V 1.06
newsgroups: rec.radio.amateur,rec.ham-
radio,rec.radio.amateur.misc,rec.radio.amateur.digital.misc
```

The 1997 Orlando HamCation (SM) and Computer Show, sponsored by the Orlando Amateur Radio Club, will be held on February 14, 15 and 16, in Orlando, Florida. The Orlando HamCation is the second largest hamfest in the southeastern U.S. with over 400 swap tables, 150+ commercial exhibitors and the largest tailgate area in the southeast. We will have many interesting and exciting forums/seminars/workshops. In addition, the programmers and experts in APRSdos, WinAPRS, MacAPRS and JavAPRS will be present to answer your questions.

For further information about the Orlando HamCation, please visit the Orlando Amateur Radio Club's home page at:
http://www.cycat.com/users/oarc
or go directly to the HamCation URL at:
http://www.cycat.com/users/oarc/hamcat.htm

We hope to see you here in sunny Florida and that you will enjoy the Orlando HamCation!

Steve Zielinski, N8UJS
Secretary, OARC

Steve Zielinski | E-mail with Subj: "send PGP key"   KeyID: C7F568E5
stevez@cycat.com | Key Fingerprint: 023F4CD01C6EEBCE1E9AFF7C32C58CED
Fido: (1:363/187) | Strong encryption/Digital signatures/Secure e-mail
Orlando Amateur Radio Club home page: http://www.cycat.com/users/oarc
Orlando Amateur Radio Club info server: oarc_info@cycat.com

`[1;33;45mNet-Tamer V 1.06 - Test Drive

From -3419865138695796721
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29e85172859df961,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,29e85172859df961,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1009ad,29e85172859df961,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 107ada,29e85172859df961,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f4306,29e85172859df961,start
X-Google-Attributes: gidf4306,public
X-Google-Thread: f76e2,29e85172859df961,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,29e85172859df961,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,29e85172859df961,start
X-Google-Attributes: gid1031c8,public
From: "Scott Hatten" <shatten@ee.net>
Subject: ICOM ICW21A - Dual Band Handheld for Sale
Date: 1997/01/15
Message-ID: <01bc0275$c1d19ba0$8723e6ce@scott->#1/1
X-Deja-AN: 210066246
organization: eNET Inc.
newsgroups: alt.ham-radio.packet,alt.radio.scanner,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

I have the folling to sell as a package:
1- ICOM ICW21A (Dual Band Handheld)
Will recieve from 50mhz-999mhz
5watt,Dual Band, Battery Pack
1- ICOM SpeakerMike - W/DTMF Pad
1- ICOM Spare Battery Pack (W/Microphone in Battery)
1- ICOM/KENDOO Rapid Charger (1 Hour)
1- ICOM Case for Radio
1- 35Watt Amp/PreAMP

I have the original boxes and all the manuals. This unit is in perfect shape.

Would make a great mobile rig (giving you 35 watts of output).

$250.00 takes it all including shipping.

Scott W. Hatten
Ohio State Highway Patrol
shatten@ee.net
Home: (614) 885-9695
Pager: (614) 240-4921
"The views expressed here are mine and not that of my employeer (The State of Ohio)"

From 4748344554865482103
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a9e38ff67cfdb09c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,a9e38ff67cfdb09c,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1062f2,a9e38ff67cfdb09c,start
X-Google-Attributes: gid1062f2,public
X-Google-Thread: 1109af,a9e38ff67cfdb09c,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108122,a9e38ff67cfdb09c,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10d137,a9e38ff67cfdb09c,start
X-Google-Attributes: gid10d137,public
X-Google-Thread: fa656,a9e38ff67cfdb09c,start
X-Google-Attributes: gidfa656,public
From: mega@i1.net
Subject: FS:ELECTRONIC & RF PARTS & EQUIPMENT
Date: 1997/01/18
Message-ID: <5bpiuj$483$1@radius1.stlnet.com>#1/1
X-Deja-AN: 210568325
organization: A poorly-installed InterNetNews site
newsgroups: rec.radio.swap,rec.radio.swap,rec.ham-radio.swap,misc.industry.electronics.marketplace,alt.engineering.electrical,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.audio.pro,sci.electronics.misc,sci.electronics,sci.electronics.equipment

IFR 1500 SERVICE MONITOR GOOD CONDITON $5,000.00
Bird Model 43 wattmeter with 1W 800-900 MHz slug (1 E5 5W) (1 E10 10W)()
(1 E25 25W)(1 E50 50W)(1 E100 100W)ALL 400-1000 MHz
(1 BIRD MOD 8080 25W COAXIAL RESISTOR AND LEATHER CASE FOR ALL $500.00
HP 86205 50 OHM DIRECTIONAL BRIDGE $300.00
HP 8498A 30W 30DB ATTENUATOR $300.00
HP 779D DIRECTIONAL COUPLER 1.7-12.4 GHz $300.00 300KHz TO 6GHz
EAGLE RETURN LOSS BRIDGE 5 TO 1000MHz $100.00
SEE MORE AT http://www.i1.net/~mega

BOB RICK
 MEGA
  ST LOUIS MO
   314-291-7618
R F AND MICROWAVE TEST EQUIPMENT

From -3881337937873104782
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a9e38ff67cfdb09c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a9e38ff67cfdb09c
X-Google-Attributes: gid108122,public
X-Google-Thread: 1062f2,a9e38ff67cfdb09c
X-Google-Attributes: gid1062f2,public
X-Google-Thread: 10d137,a9e38ff67cfdb09c
X-Google-Attributes: gid10d137,public
X-Google-Thread: fa656,a9e38ff67cfdb09c
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,a9e38ff67cfdb09c
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107cee,a8943f1c5ecda6db,start
X-Google-Attributes: gid107cee,public
X-Google-Thread: 105d97,a8943f1c5ecda6db,start
X-Google-Attributes: gid105d97,public
From: Ken <gold@nucleus.com>
Subject: WTB:ELECTRONIC EQPM
Date: 1997/01/19
Message-ID: <32E21E07.B1D@nucleus.com>#1/1
X-Deja-AN: 210826282
references: <5bpiuj$483$1@radius1.stlnet.com>
content-type: text/plain; charset=us-ascii
organization: Telus Advanced Communications
mime-version: 1.0
reply-to: gold@nucleus.com
newsgroups: rec.ham-radio.swap,misc.industry.electronics.marketplace,alt.engineering.electrical,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,sci.electronics.misc,sci.electronics,sci.electronics.equipment
x-mailer: Mozilla 3.0 (Win95; I)

If you have any of these items around and would consider an offer to sell, I would appreciate hearing back or if you know of a person or person with such items.

RCA BA-a or BA-86 A broadcast Limiter (circa 40's-50's)
Pulse Technology Equalizer EQP-1 (60's,70's)
Teletronix's Levelling Amplifier LA-2a (60's)
Universal Audio/Urei Peak Limiter 1176,1178 (70's)

I would very much like to locate any of the above items and
look forward to any word back
Ken at   gold@nucleus.com
or phone at 403-239-4956

From 8588440142459564858
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f531d04a5e878d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031e1,49f531d04a5e878d,start
X-Google-Attributes: gid1031e1,public
X-Google-Thread: f7a7a,49f531d04a5e878d,start
X-Google-Attributes: gidf7a7a,public
X-Google-Thread: f6cc7,49f531d04a5e878d,start
X-Google-Attributes: gidf6cc7,public
X-Google-Thread: fa656,49f531d04a5e878d,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1016cf,49f531d04a5e878d,start
X-Google-Attributes: gid1016cf,public
X-Google-Thread: 115e0f,49f531d04a5e878d,start
X-Google-Attributes: gid115e0f,public
X-Google-Thread: 112970,49f531d04a5e878d,start
X-Google-Attributes: gid112970,public
From: "George" <gepley@tfs.com>
Subject: Personalized Wallpaper for you...
Date: 1997/01/20
Message-ID: <01bc06b9$22ddaa00$17dc02cf@default>#1/1
X-Deja-AN: 210997708
organization: TFSnet Online Services
newsgroups:
or.forsale,pa.forsale,pa.general,pensacola.forsale,phl.forsale,princeton.forsale,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,san_antonio.forsale.computers

Hello

There is a great new company here on the internet that you can send your personal pictures too and then we will turn these pictures into wallpaper for your computer by using high resolution scanning techniques.We do your best to give you great looking BMP (wallpaper) for your computer.If you would like an order form and one free sample bmp (wallpaper) to use on your computer please e-mail us at gepley@tfs.net.There is no obligation and all accounts are confidential.

gepley@tfs.net

From 4621760508874001412

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 144d11,8d8881122dee2184,start
X-Google-Attributes: gid144d11,public
X-Google-Thread: 10c9e3,8d8881122dee2184,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1062f2,8d8881122dee2184,start
X-Google-Attributes: gid1062f2,public
X-Google-Thread: 1109af,8d8881122dee2184,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 10d137,8d8881122dee2184,start
X-Google-Attributes: gid10d137,public
X-Google-Thread: f76e2,8d8881122dee2184,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,8d8881122dee2184,start
X-Google-Attributes: gidfa656,public
From: mega@i1.net
Subject: HOBBY KITS AMATEUR,PHONE,COMPUTER,DEVICE
Date: 1997/01/21
Message-ID: <5c1qe3$be0$1@radius1.stlnet.com>#1/1
X-Deja-AN: 211643118
organization: POSTnet (St. Louis Post Dispatch Internet Service)
newsgroups: misc.industry.electronics.marketplace,rec.radio.swap,rec.ham-
radio.swap,misc.industry.electronics.marketplace,alt.engineering.electrical,rec.ha
m-
radio,rec.radio.amateur,rec.radio.amateur.equipmentrec.audio.pro,sci.electronics.m
isc,sci.electronics,sci.electronics.equipment


SEE A LIST OF ELECTRONIC KITS AND ELECTRONIC EQUIPMENT
SEE AT  http://www.i1.net/~mega
THANKS
 BOB




From 6562785253267065722
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0a7c81b88bd769e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,b0a7c81b88bd769e,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,b0a7c81b88bd769e,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 138e19,b0a7c81b88bd769e,start
X-Google-Attributes: gid138e19,public
X-Google-Thread: f76e2,b0a7c81b88bd769e,start
X-Google-Attributes: gidf76e2,public
From: Mark Watson <marko64@talon.net>
Subject: WTB-FT-50 Accessories
Date: 1997/01/24
Message-ID: <32E90D13.6D38@talon.net>#1/1
X-Deja-AN: 211963668
distribution: world
```

cc: marko64@talon.net
content-type: text/plain; charset=us-ascii
organization: Microserve Information Systems (800)-380-INET
mime-version: 1.0
newsgroups: rec.radio.swap,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.misc,rec.radio.amateur-radio.equipment
x-mailer: Mozilla 3.0 (Win95; I)

Looking to buy the following for a FT-50R if anyone has extras or no need for them any longer.. E-DC-5B cigarette lighter adapter,CSC-68 soft case to hold FNB-41 and MH-34B4B microphone.. I will buy all or individual pieces.. Must be in excellent condition.. Would prefer COD and I'll pay COD fee...

Please call or email

Mark Watson,KA3TGJ
Marko64@talon.net
610-562-7212

From 3078004479180517928
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,26fba6fef97fa986,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,26fba6fef97fa986,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,26fba6fef97fa986,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f76e2,26fba6fef97fa986,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc2a5,26fba6fef97fa986,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,26fba6fef97fa986,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f7653,26fba6fef97fa986,start
X-Google-Attributes: gidf7653,public
From: cpierce@usit.net (C)
Subject: Motorola Part Needed
Date: 1997/01/27
Message-ID: <cpierce-2701970911290001@col-max92.dynamic.usit.net>#1/1
X-Deja-AN: 212531269
organization: United States Internet, Inc.
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

I am in need of a IC for a Motorola Moxy 150 Mhz radio. I have contacted the Motorola service rep. in my area and I keep getting the runaround each time I speak to them. I have been trying since May of last year to get this IC and usually I hear that "I'm sorry we forgot to order it for you" or "I lost the numbers you gave me". If someone has the ability to order this for me please let me know.

It is the desc. IC with the following numbers on it "M2078" and "274 H 8436". I have tried to cross this to another number but have had no sucess.

Please do not take me wrong I am not bashing Motorola, just tried of not geting the part that I needed.

From -4226866292877019001
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,441d0bbe815f83ec,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1062f2,441d0bbe815f83ec,start
X-Google-Attributes: gid1062f2,public
X-Google-Thread: 10d137,441d0bbe815f83ec,start
X-Google-Attributes: gid10d137,public
X-Google-Thread: fa656,441d0bbe815f83ec,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108122,441d0bbe815f83ec,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,441d0bbe815f83ec,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10cf58,441d0bbe815f83ec,start
X-Google-Attributes: gid10cf58,public
X-Google-Thread: 1109af,441d0bbe815f83ec,start
X-Google-Attributes: gid1109af,public
From: mega@i1.net
Subject: FS: RF PARTS & EQUIPMENT, HOBBY KITS, TEST EQUIPMENT & MORE
Date: 1997/01/27
Message-ID: <854424817.26852@dejanews.com>#1/1
X-Deja-AN: 212651474
x-http-user-agent: Mozilla/3.01Gold (WinNT; I)
x-originating-ip-addr: 208.201.134.14 ()
organization: Deja News Usenet Posting Service
x-article-creation-date: Tue Jan 28 04:29:22 1997 GMT
x-authenticated-sender: mega@i1.net
reply-to: mega@i1.net
newsgroups: rec.radio.swap,rec.ham-radio.swap,misc.industry.electronics.marketplace,alt.engineering.electrical,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.audio.pro,sci.electronics.misc,sci.electronics,sci.electronics.equipment

AT&T TONE DIALERS
IRF 1500 SERVICE MONITORS
BOONTON MICROWATT METERS
MICROWAVE RECEIVERS

HP BRIDGES & COUPLERS
POWER SUPPLIES
TEKTRONIX OTDR
CABLE IDENTIFIERS
OPTICAL TALK SETS
ASSORTED KITS FOR ALL AGES
LASERS
AND A LOT MORE
SEE AT http://www.i1.net/~mega

-------------------==== Posted via Deja News ====-----------------------
      http://www.dejanews.com/   Search, Read, Post to Usenet

From 6504707564626344154
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,26fba6fef97fa986
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,26fba6fef97fa986
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,26fba6fef97fa986
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc2a5,26fba6fef97fa986
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: fa656,26fba6fef97fa986
X-Google-Attributes: gidfa656,public
X-Google-Thread: f7653,26fba6fef97fa986
X-Google-Attributes: gidf7653,public
X-Google-Thread: fcc6e,26fba6fef97fa986
X-Google-Attributes: gidfcc6e,public
From: peace@ais.net (Kirn)
Subject: Re: Motorola Part Needed
Date: 1997/01/28
Message-ID: <5ckiso$7dl@news2.ais.net>#1/1
X-Deja-AN: 212710542
references: <cpierce-2701970911290001@col-max92.dynamic.usit.net>
followup-to: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment
organization: American Information Systems, Inc.
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

C (cpierce@usit.net) wrote:
: I am in need of a IC for a Motorola Moxy 150 Mhz radio. I have contacted
: the Motorola service rep. in my area and I keep getting the runaround each
: time I speak to them. I have been trying since May of last year to get
: this IC and usually I hear that "I'm sorry we forgot to order it for you"
: or "I lost the numbers you gave me". If someone has the ability to order
: this for me please let me know.

:
: It is the desc. IC with the following numbers on it "M2078" and "274 H
: 8436". I have tried to cross this to another number but have had no
: sucess.
:
: Please do not take me wrong I am not bashing Motorola, just tried of not
: geting the part that I needed.

Call parts Identification first at 1-847-538-0021.Then go from there
--
Georg Kirn Email:Peace@Ais.net

From 6153836410490698608
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2e081f62381295e2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,2e081f62381295e2,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa656,2e081f62381295e2,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,2e081f62381295e2,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa029,2e081f62381295e2,start
X-Google-Attributes: gidfa029,public
From: Richard Smerker <rsmerker@frii.com>
Subject: **NEW** WinTone 1.5 Real Time DTMF Decoder/Scanner Monitor (New Features!)
Date: 1997/01/28
Message-ID: <32EEC2D3.6CBC@frii.com>#1/1
X-Deja-AN: 212884629
content-type: text/plain; charset=us-ascii
organization: RA Solutions
mime-version: 1.0
reply-to: rsmerker@frii.com
newsgroups: rec.radio.scanner,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,alt.radio.scanner
x-mailer: Mozilla 3.0 (Win95; I)

Now available! Take a look!

WinTone32 v1.5 - Real Time DTMF Decoder/Scanner Monitor for Windows 95/NT

Works with your windows sound card to detect DTMF tones, no other hardware
required! Here is a list of the (new) options:

* Tunable Detection Options - Everything from changing sensitivity to logging
  tones to file - You control it all.

* Log tones to a file for later study.

* Decodes DTMF tones in real time by using your Windows compatible sound
  card and any audio source hooked up to the Microphone jack.

* Decodes DTMF tones from windows WAV files

* Optionally saves audio into a WAV file

* Scanner Monitoring - Allows you to record audio to a WAV file, but
only
  when the audio breaks the software "Squelch Point".

* DTMF Triggers - Assign events to certian DTMF tones, and when these
tones
  are detected, the events cause pre-defined actions (Launch an EXE,
Start
  recording to a WAV file, Etc)

* Tested out on fast 486 machines, but the faster the better!

Come try the latest version!
http://www.frii.com/~rsmerker

From -4231240704091014301
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,441d0bbe815f83ec
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,441d0bbe815f83ec
X-Google-Attributes: gid108122,public
X-Google-Thread: 1062f2,441d0bbe815f83ec
X-Google-Attributes: gid1062f2,public
X-Google-Thread: 10cf58,441d0bbe815f83ec
X-Google-Attributes: gid10cf58,public
X-Google-Thread: fa656,441d0bbe815f83ec
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10d137,441d0bbe815f83ec
X-Google-Attributes: gid10d137,public
X-Google-Thread: 1109af,441d0bbe815f83ec
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,441d0bbe815f83ec
X-Google-Attributes: gidf76e2,public
From: Tom Lempicke <tlempicke@mail.infoave.net>
Subject: Hamfest Goodies
Date: 1997/01/28
Message-ID: <32EE89BC.4CB3@mail.infoave.net>#1/1
X-Deja-AN: 213213585
references: <854424817.26852@dejanews.com>
content-type: text/plain; charset=us-ascii
organization: Info Avenue INTERNET Access

mime-version: 1.0
newsgroups: rec.radio.swap,rec.ham-radio.swap,misc.industry.electronics.marketplace,alt.engineering.electrical,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.audio.pro,sci.electronics.misc,sci.electronics,sci.electronics.equipment
x-mailer: Mozilla 2.02Gold (Win95; I)

Here is a list of the stuff that I will have for sale at the Charlotte Hamfest. If you want to get an advance look at it or buy it before the hamfest give me a call. Better yet send your phone number over E Mail and I will give you a call.

1. Collins Thirty S-One amplifier. 100 watts in produces 1300 watts out. Uses 4CX-1000 tube. In like new condition with manual. $975 - very firm

2. Complete B&W slow scan setup. Robot 400 slow scan, Sanyo monitor and RCA camera. All of it like new with manual. $275

3. Kenwood TS711-A all mode 2 meter transciever. Memories, SSB, funky offsets, this unit has it all. Just like new with manual. $525 - don't even ask

4. Go into business with your own computer to program cellular phones. Loader phone, computer with software installed and operating, cables for motorola bagphones and installed phones, diagrams to make cables for all other motorola phones up to software version 95xx. This setup really does work, and I will give instruction in how to use it. You can get your money back in one saturday at the flea market.
$850

5. CD ROM drive with interface card and sorftware. Works perfectly
$25

6. Star printer. Works perfectly, missing one piece of plastic.
$25

7. Okidata microline printer. Works great.
$10

8. Calcomp plotter, "E" size. Hangs on serial port, works perfectly. With manual (which cost me $130) and serial connection. Emulates HP plotter. $200

9. IBM Selectric typewriter. Works fine, great for filling in forms.
$25

10. Modems - 1200 baud and 2400 baud. One US Robotics and One Hayes internal.

$10 each

11. Orchid Videola Premium Plus. Complete and working fine. Video capture and playback on you PC.
$175

12. PK-323 MBX. Just like new.
$175

If you are interested E mail me at

Tlempicke@infoave.net

From 3062421983597348504
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,404fdf852405e08b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1118be,404fdf852405e08b,start
X-Google-Attributes: gid1118be,public
X-Google-Thread: fc2a5,404fdf852405e08b,start
X-Google-Attributes: gidfc2a5,public
From: maroof@cybersys.net (Maroof H. Choudhury)
Subject: Singapore / Hongkong components market
Date: 1997/01/31
Message-ID: <5ctutg$14o$1@post.servtech.com>#1/1
X-Deja-AN: 213676716
organization: Cybernetic Systems
newsgroups: sci.electronics.components,rec.ham-radio,rec.radio.amateur.homebrew

Hello,

I'm trying to build myself an HF tranceiver. Can anyone tell me a good source in Singapore / Hongkong where I could buy electronic comopnents / kits ?

Thank you

PLEASE EMAIL

Maroof H. Choudhury
maroof@triton.kaifnet.com

From -4286347195225220972
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,748a80a67ed6fd4b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,748a80a67ed6fd4b,start

X-Google-Attributes: gid106d41,public
X-Google-Thread: 15828d,748a80a67ed6fd4b,start
X-Google-Attributes: gid15828d,public
X-Google-Thread: f76e2,748a80a67ed6fd4b,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,748a80a67ed6fd4b,start
X-Google-Attributes: gidfa656,public
From: jbjr@itol.com
Subject: Ranger 2970
Date: 1997/02/01
Message-ID: <32F2F24D.5AF0@itol.com>#1/1
X-Deja-AN: 213661707
content-type: text/plain; charset=us-ascii
organization: Internet Connect, Inc. http://www.inc.net usenet@news.inc.net
mime-version: 1.0
newsgroups: rec.radio.cb,aus.radio.amateyr.misc,rec.ham-radio.swap,rec.ham-radio,rec.radio.amateur
x-mailer: Mozilla 3.01Gold (Win95; I)

Does anybody know if the Ranger 2970 can get the CB channels by putting a mod on it????If so let me know how to do it, Please E-mail me if you can help me on this.

THAMKS JOHN.

From 1482494268514458564
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,748a80a67ed6fd4b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 15828d,748a80a67ed6fd4b
X-Google-Attributes: gid15828d,public
X-Google-Thread: 106d41,748a80a67ed6fd4b
X-Google-Attributes: gid106d41,public
X-Google-Thread: f76e2,748a80a67ed6fd4b
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,748a80a67ed6fd4b
X-Google-Attributes: gidfa656,public
From: "Philippe" <ccadic@planetepc.fr>
Subject: Re: Ranger 2970
Date: 1997/02/01
Message-ID: <01bc1066$9e3ae620$2abd33c2@minidou.isicom.fr>#1/1
X-Deja-AN: 214786649
references: <32F2F24D.5AF0@itol.com>
organization: Minidou
newsgroups: rec.radio.cb,aus.radio.amateyr.misc,rec.ham-radio.swap,rec.ham-radio,rec.radio.amateur

jbjr@itol.com a �crit dans l'article <32F2F24D.5AF0@itol.com>...
> Does anybody know if the Ranger 2970 can get the CB channels by putting
> a mod on it????If so let me know how to do it

Go to http://www.spiraweb.com/rciweb

You will have it

From -5977749003687826391
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c34ff23462ab089,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,2c34ff23462ab089,start
X-Google-Attributes: gidfc2a5,public
From: maroof@cybersys.net (Maroof H. Choudhury)
Subject: ARRL WEB site
Date: 1997/02/02
Message-ID: <5d16c0$m8v$1@post.servtech.com>#1/1
X-Deja-AN: 213864912
organization: Cybernetic Systems
newsgroups: rec.ham-radio,rec.radio.amateur.homebrew

Hi,

Can anyone tell how to use the "zipped ckt & reprot file"s in
http://www.arrl.org/ard/files/ ?
I downloaded a file exrf9507.zip which contaians two files. one is some kind
of a data file (like pspice) & the other one is unidentified. I can't read/use
them properly. Can anyone help?
Btw, What is ARD, is it a magazine or a software?

Thanks in advance.

Please Email
Maroof

Maroof H. Choudhury
maroof@triton.kaifnet.com

From 2366891010280836885
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c34ff23462ab089
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,2c34ff23462ab089
X-Google-Attributes: gidfc2a5,public
From: hbrown@voicenet.com (Harry Brown)
Subject: Re: ARRL WEB site

```
Date: 1997/02/02
Message-ID: <5d2npn$6l4$1@goodnews.voicenet.com>#1/1
X-Deja-AN: 213952221
references: <5d16c0$m8v$1@post.servtech.com>
organization: Voicenet - Internet Access - (215)674-9290
reply-to: hbrown@voicenet.com
newsgroups: rec.ham-radio,rec.radio.amateur.homebrew


ARD is the ARRL Radio Software. You will see it advertized in QST and
QEX in most issues over the last 2 years. The files you downloaded are
likely ones for the analysis of circuits using ARD.

73, Harry, W3IIT

maroof@cybersys.net (Maroof H. Choudhury) wrote:

>Hi,

>Can anyone tell how to use the "zipped ckt & reprot file"s in
>http://www.arrl.org/ard/files/ ?
>I downloaded a file exrf9507.zip which contaians two files. one is some kind
>of a data file (like pspice) & the other one is unidentified. I can't read/use
>them properly. Can anyone help?
>Btw, What is ARD, is it a magazine or a software?

>Thanks in advance.

>Please Email
>Maroof

>Maroof H. Choudhury
>maroof@triton.kaifnet.com






From -7501100543134673999
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f3b4ba31c2faf3ed,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,f3b4ba31c2faf3ed,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,f3b4ba31c2faf3ed,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,f3b4ba31c2faf3ed,start
X-Google-Attributes: gidf76e2,public
From: "Dan Rissacher" <rissacdj@craft.clarkson.edu>
Subject: Wanted: 2m handheld
Date: 1997/02/02
Message-ID: <01bc115c$0f148e00$8cc89980@dingo.clarkson.edu>#1/1
X-Deja-AN: 213992745
```

organization: Clarkson University
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.swap

Looking for something cheap. Dual-band would be nice. Must support CTCSS
and PL tones.

Remember, I'm a college student.... I can't afford much

thanks,
Dan

From 6478432254739722916
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,748a80a67ed6fd4b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,748a80a67ed6fd4b
X-Google-Attributes: gid106d41,public
X-Google-Thread: 15828d,748a80a67ed6fd4b
X-Google-Attributes: gid15828d,public
X-Google-Thread: f76e2,748a80a67ed6fd4b
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,748a80a67ed6fd4b
X-Google-Attributes: gidfa656,public
From: "Teacher" <sburns@access.k12.wv.us>
Subject: Re: Ranger 2970
Date: 1997/02/02
Message-ID: <01bc10a6$407116a0$43ac69ce@user>#1/1
X-Deja-AN: 214171943
references: <32F2F24D.5AF0@itol.com>
organization: InetONE - Netscape News Server
newsgroups: rec.radio.cb,aus.radio.amateyr.misc,rec.ham-radio.swap,rec.ham-radio,rec.radio.amateur

John, It can be accomplished by changing a jumper in the radio. Now which
one I have no idea but I have seen it done before.
Mike KG8NV
Teacher@inetone.net
jbjr@itol.com wrote in article <32F2F24D.5AF0@itol.com>...
> Does anybody know if the Ranger 2970 can get the CB channels by putting
> a mod on it????If so let me know how to do it, Please E-mail me if you
> can help me on this.
>
>   THAMKS JOHN.
>

```
From -3306882835292375210
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,748a80a67ed6fd4b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,748a80a67ed6fd4b
X-Google-Attributes: gid106d41,public
X-Google-Thread: 15828d,748a80a67ed6fd4b
X-Google-Attributes: gid15828d,public
X-Google-Thread: f76e2,748a80a67ed6fd4b
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,748a80a67ed6fd4b
X-Google-Attributes: gidfa656,public
From: dknelson@pacbell.net (Dan K Nelson)
Subject: Re: Ranger 2970
Date: 1997/02/03
Message-ID: <32f6668e.19367136@news.pacbell.net>#1/1
X-Deja-AN: 214217614
references: <32F2F24D.5AF0@itol.com> <01bc10a6$407116a0$43ac69ce@user>
content-type: text/plain; charset=us-ascii
organization: Pacific Bell Internet Services
mime-version: 1.0
newsgroups: rec.radio.cb,aus.radio.amateyr.misc,rec.ham-radio.swap,rec.ham-
radio,rec.radio.amateur


On 2 Feb 1997 01:12:41 GMT, "Teacher" <sburns@access.k12.wv.us> wrote:

>John, It can be accomplished by changing a jumper in the radio. Now which
>one I have no idea but I have seen it done before.
>Mike KG8NV
>Teacher@inetone.net
>jbjr@itol.com wrote in article <32F2F24D.5AF0@itol.com>...
>> Does anybody know if the Ranger 2970 can get the CB channels by putting
>> a mod on it????If so let me know how to do it, Please E-mail me if you
>> can help me on this.
>>
>>                                   THAMKS  JOHN.
>>
Try the RCI website, the mod is posted there... By the way, you can
find a lot of answers by using the AltaVista web search engine, and
entering a few keywords...

RCI website - http://www.spiraweb.com/rciweb/rcigb.html
AltaVista Search - http://altavista.digital.com

<<< DAN >>>
---




From -5617506347565354679
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d4ded7e4ae41e4ae
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,d4ded7e4ae41e4ae
X-Google-Attributes: gid106d41,public
From: "Ron Myers" <myersr@infoave.com>
Subject: Re: HR2510
Date: 1996/10/19
Message-ID: <01bbbd80$622cfe40$49094ace@ronmyers>#1/1
X-Deja-AN: 190480058
references: <3262830B.397F@ncia.net> <326376EF.2817@ipa.net>
<326786ee.6383676@news.ziplink.net> <psam.87.3265DC54@giraffe.ru.ac.za>
organization: Consultant
newsgroups: rec.radio.cb,rec.ham-radio

MR A MULDER <psam@giraffe.ru.ac.za> wrote in article
<psam.87.3265DC54@giraffe.ru.ac.za>...
> In article <326786ee.6383676@news.ziplink.net> ka1jy@ziplink.net (Brian
Ellsworth) writes:
> >From: ka1jy@ziplink.net (Brian Ellsworth)
> >Subject: Re: HR2510
> >Date: Thu, 17 Oct 1996 01:15:34 GMT
>
> >On Tue, 15 Oct 1996 06:35:11 -0500, Gary Bates <whtwlf@ipa.net> wrote:
> >>Leo Cellupica wrote:
> >>> When I am receiving a signal on SSB on my HR2510, the s-meter first
goes
> >>> high and quickly goes down as does the audio. I believe this is
caused by
> >>> the agc circuit. Is there a way to eliminate this from the radio or
at
> >>> least limit the amount of attenuation? Any info would be
appreciated.SSB does not tramsmit a carrier wave, so your radio is working
properly.
> >>This has nothing to do with the AGC circuit. If you are not recieving
a
> >>carrier wave quite naturally the S-meter would reflect this by not
> >>indicating a signal during the intermitant periods of silence typical
to
> >>audio communications.
> >>   WHITE WOLF, whtwlf@ipa.net
> >duh W.W. doesn't have a clue. Sounds like a defective AGC to me. I'm
really not
> >familiar with the 2510, but many radios that have both AM and SSB modes
use two
> >different AGC time constants. One for each mode. The attack times are
similar
> >but the AM AGC typically has a much slower recovery (or hang) time.
Sounds like
> >your radio is not switching between the AM time constant and the SSB

one. If
> >you're handy with schematics and have a scope or even a voltmeter you
should be
> >able to find the time constant switches and trouble-shoot the problem..
>
> >-be
>
> No! SSB transmissions have no carrier as AM has so when there is no
signal;
> s meter drops down, as well as varing in value during the reception of of
a
> transmission. Thats the way it is.
>

I am not familiar with the HR2510, but with my archaic equipment, this type
of activity can be evened out by reducing the RF Gain (for Strong stations)
and then controlling the output to the speakers with the AF Gain. This
keeps the delayed AGC from saturating like that ... KB4EG
-ronmyers@juno.com

From -8950961697526283435
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d4ded7e4ae41e4ae
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,d4ded7e4ae41e4ae
X-Google-Attributes: gid106d41,public
From: Leo Cellupica <leon1vzy@ncia.net>
Subject: Re: HR2510
Date: 1996/10/19
Message-ID: <32690F55.5230@ncia.net>#1/1
X-Deja-AN: 190580905
references: <3262830B.397F@ncia.net> <326376EF.2817@ipa.net>
<326786ee.6383676@news.ziplink.net> <psam.87.3265DC54@giraffe.ru.ac.za>
<01bbbd80$622cfe40$49094ace@ronmyers>
content-type: text/plain; charset=us-ascii
mime-version: 1.0
newsgroups: rec.radio.cb,rec.ham-radio
x-mailer: Mozilla 2.01 (Win16; U)

Ron Myers wrote:
>
> MR A MULDER <psam@giraffe.ru.ac.za> wrote in article
> <psam.87.3265DC54@giraffe.ru.ac.za>...
> > In article <326786ee.6383676@news.ziplink.net> ka1jy@ziplink.net (Brian
> Ellsworth) writes:
> > >From: ka1jy@ziplink.net (Brian Ellsworth)
> > >Subject: Re: HR2510
> > >Date: Thu, 17 Oct 1996 01:15:34 GMT
> >

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> > >>> high and quickly goes down as does the audio. I believe this is
> caused by
> > >>> the agc circuit. Is there a way to eliminate this from the radio or
> at
> > >>> least limit the amount of attenuation? Any info would be
> appreciated.SSB does not tramsmit a carrier wave, so your radio is working
> properly.
> > >>This has nothing to do with the AGC circuit. If you are not recieving
> a
> > >>carrier wave quite naturally the S-meter would reflect this by not
> > >>indicating a signal during the intermitant periods of silence typical
> to
> > >>audio communications.
> > >>   WHITE WOLF, whtwlf@ipa.net
> > >duh W.W. doesn't have a clue. Sounds like a defective AGC to me. I'm
> really not
> > >familiar with the 2510, but many radios that have both AM and SSB modes
> use two
> > >different AGC time constants. One for each mode. The attack times are
> similar
> > >but the AM AGC typically has a much slower recovery (or hang) time.
> Sounds like
> > >your radio is not switching between the AM time constant and the SSB
> one. If
> > >you're handy with schematics and have a scope or even a voltmeter you
> should be
> > >able to find the time constant switches and trouble-shoot the problem..
> >
> > >-be
> >
> > No! SSB transmissions have no carrier as AM has so when there is no
> signal;
> > s meter drops down, as well as varing in value during the reception of of
> a
> > transmission. Thats the way it is.
> >
>
> I am not familiar with the HR2510, but with my archaic equipment, this type
> of activity can be evened out by reducing the RF Gain (for Strong stations)
> and then controlling the output to the speakers with the AF Gain. This
> keeps the delayed AGC from saturating like that ... KB4EG
> -ronmyers@juno.comHi again,

As the originator of this thread, (request for help) I should clarify one
point.
I realize that when a radio is on SSB the s-meter only responds when it is
receiving a
signal and not between sounds as opposed to an AM carrier which shows an s-meter
reading
at the keying of the mike. Let me put my problem in perspective: If a person were

to key their mike on SSB while I was monitoring and they also emitted a steady tone into their mike, my s-meter would first show high and then after approximately one second take a dive as would the audio level of the received signal. The received signal is never attenuated to a point where I cannot hear it, but it almost seems like the radio is attempting to take all received signals and keeping them at the same level so a multiple party QSO would not have varying levels of audio. I know of others that have the same thing happening with their rigs. I just thought someone would be able to tell me why this was happening and if there is a mod for correcting it. It's not that big of a problem, but I wouldn't mind having the signal come through at full force. When someone asks for a signal report, I have to tell them that when they first transmit, they are s-7 and quickly go down to an s-2.

From 5125053000637786191
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a2c3e123e58cf91,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,1a2c3e123e58cf91,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,1a2c3e123e58cf91,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10c2ee,1a2c3e123e58cf91,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fc2a5,1a2c3e123e58cf91,start
X-Google-Attributes: gidfc2a5,public
From: Jim Larson <james_l@efn.org>
Subject: Please help find Manual- Allied A2516 Ham receiver
Date: 1996/10/19
Message-ID: <Pine.SUN.3.95.961019092947.4084H-100000@garcia.efn.org>#1/1
X-Deja-AN: 190593001
organization: Oregon Public Networking
content-type: TEXT/PLAIN; charset=US-ASCII
mime-version: 1.0
newsgroups:
rec.antiques.radio+phono,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.ham-radio

Please help me find a source for a manual/schematics for an old Allied
model A2516 ham receiver. It is an older tube type, a kit I think.
I have tried Sam's and Sarrio with no luck. Does anyone know some good
sources for manuals or possibly an individual that would have a xerox

copy available? Please forgive me if this is in an FAQ somewhere,
I am a newbie, and this is my first "taste of ham" :)

p.s. I'm hooked..........

Thank you ALOT!

```
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          /________________/|   _____
         |                | |  /___/|
         |______.   ._____j/  |   | |
                |   | |       |___|/
        _____   |   | |        ______      _____    _____
       /___/|   |   | |       /____/|     /____/\  /___/|
      |   | |   |   | |       |   | |     |    \ \/   | |
      |   |  \__|   | |       |   | |     |     \/    | |
      \    \___/    / /       |   | |     |   \    /  | |
        \          / /        |   | |     |   | \/ |  | |
          \_____./_/          |___|/'     |___|/'  |__|/'

  James K. Larson - james_l@efn.org - Junction City, Oregon
```

From -6025438797555085852
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43cd8486dbe3cb67,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,43cd8486dbe3cb67,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 10c2ee,43cd8486dbe3cb67,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 108abf,43cd8486dbe3cb67,start
X-Google-Attributes: gid108abf,public
X-Google-Thread: fc2a5,43cd8486dbe3cb67,start
X-Google-Attributes: gidfc2a5,public
From: "Loek d'Hont" <ldhont@ti.com>
Subject: Aluminum surface treatment info wanted
Date: 1996/10/19
Message-ID: <01bbbdde$015bbf80$105e5bc0@A0927429.itg.ti.com>#1/1
X-Deja-AN: 190595264
organization: Texas Instruments
newsgroups: rec.antiques.radio+phono,rec.aviation.military,rec.ham-radio,rec.radio.amateur.homebrew,rec.radio.swap

I am restoring some radios but have problems with repairing the aluminum coating.

Does anyone know what this clear, kind of yellow finish is that you see on most aluminum equipment chassis, and on aluminum antennas?

I don't think it is anodized, it looks like the aluminum parts are dipped in something, because you can still see the "drips" in the yellow coating.

Does any-one know that this "something" is that these parts are dipped in?

Thanks,

Loek   LDHONT@ti.com

From -4704517895852326406
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43cd8486dbe3cb67
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,43cd8486dbe3cb67
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 108abf,43cd8486dbe3cb67
X-Google-Attributes: gid108abf,public
X-Google-Thread: 1109af,43cd8486dbe3cb67
X-Google-Attributes: gid1109af,public
X-Google-Thread: fc2a5,43cd8486dbe3cb67
X-Google-Attributes: gidfc2a5,public
From: awilliam@neosoft.com (Andy Williams)
Subject: Re: Aluminum surface treatment info wanted
Date: 1996/10/19
Message-ID: <awilliam-1910961257460001@fullnews.neosoft.com>#1/1
X-Deja-AN: 190602227
references: <01bbbdde$015bbf80$105e5bc0@A0927429.itg.ti.com>
content-type: text/plain; charset=ISO-8859-1
organization: NeoSoft, Inc.
mime-version: 1.0
newsgroups: rec.antiques.radio+phono,rec.aviation.military,rec.ham-radio,rec.radio.amateur.homebrew,rec.radio.swap

>Does anyone know what this clear, kind of yellow finish is that you see on
>most aluminum equipment chassis, and on aluminum antennas?

It sounds like the aluminum has been treated with alodine. Alodine makes aluminum corrosion resistant. When I did my 90 days painting navy aircraft, we applied it to bare aluminum with a sponge tipped applicator and washed it off with water when the metal had turned the proper color. It is also used on some of the mil spec electronics I work with.

Andy

```
From 1607126109222564639
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4eac6f6d386b2df4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,4eac6f6d386b2df4,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 11bb60,4eac6f6d386b2df4,start
X-Google-Attributes: gid11bb60,public
X-Google-Thread: 107ada,4eac6f6d386b2df4,start
X-Google-Attributes: gid107ada,public
From: "Peter A. Forkes" <pforkes@pobox.com>
Subject: Receiving traffic helicopter signals?
Date: 1996/10/19
Message-ID: <3268DD1E.4685@pobox.com>#1/1
X-Deja-AN: 190610795
content-type: text/plain; charset=us-ascii
organization: The Internet Access Company, Inc.
mime-version: 1.0
reply-to: pforkes@pobox.com
newsgroups: rec.ham-radio,,ec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.scanner
x-mailer: Mozilla 3.0Gold (Win95; I)
```

What equipment would be needed to pick up the pictures broadcast back to the station by the local TV sataions helicopters?

Peter

```
From 3485491173933834903
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43cd8486dbe3cb67
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,43cd8486dbe3cb67
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fc2a5,43cd8486dbe3cb67
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 1109af,43cd8486dbe3cb67
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108abf,43cd8486dbe3cb67
X-Google-Attributes: gid108abf,public
From: "Johnny G." <JayGee@worldnet.att.net>
Subject: Re: Aluminum surface treatment info wanted
Date: 1996/10/19
Message-ID: <32694E13.5893@worldnet.att.net>#1/1
X-Deja-AN: 190638306
references: <01bbbdde$015bbf80$105e5bc0@A0927429.itg.ti.com>
<awilliam-1910961257460001@fullnews.neosoft.com>
content-type: text/plain; charset=us-ascii
```

organization: AT&T WorldNet Services
mime-version: 1.0
newsgroups: rec.antiques.radio+phono,rec.aviation.military,rec.ham-radio,rec.radio.amateur.homebrew,rec.radio.swap
x-mailer: Mozilla 2.01E (Win95; U)

Andy Williams wrote:
>
> >Does anyone know what this clear, kind of yellow finish is that you see on
> >most aluminum equipment chassis, and on aluminum antennas?
>
> It sounds like the aluminum has been treated with alodine. Alodine makes
> aluminum corrosion resistant. When I did my 90 days painting navy
> aircraft, we applied it to bare aluminum with a sponge tipped applicator
> and washed it off with water when the metal had turned the proper color.
> It is also used on some of the mil spec electronics I work with.
>
> Andy

We still use alodine in the aircraft industry. The stuff we use is a dry powder that we
dissolve in water. We apply the resulting solution per your description. It protects the
aluminum from corrosion, and it's electrically conductive. The alodine powder and
solution react explosively with methyl-ethyl ketone.

From -4360587202932658137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43cd8486dbe3cb67
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,43cd8486dbe3cb67
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 1109af,43cd8486dbe3cb67
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108abf,43cd8486dbe3cb67
X-Google-Attributes: gid108abf,public
X-Google-Thread: fc2a5,43cd8486dbe3cb67
X-Google-Attributes: gidfc2a5,public
From: jrweiss@seanet.com (John Weiss)
Subject: Re: Aluminum surface treatment info wanted
Date: 1996/10/19
Message-ID: <N.101996.152145.74@Default>#1/1
X-Deja-AN: 190642350
references: <01bbbdde$015bbf80$105e5bc0@A0927429.itg.ti.com>
organization: Bare Bones BBS, Seattle, WA
newsgroups: rec.antiques.radio+phono,rec.aviation.military,rec.ham-radio,rec.radio.amateur.homebrew,rec.radio.swap

On 10/19/96 9:53AM, in message

<01bbbdde$015bbf80$105e5bc0@A0927429.itg.ti.com>, "Loek d'Hont"
<ldhont@ti.com> wrote:

> I am restoring some radios but have problems with repairing the aluminum
> coating. Does anyone know what this clear, kind of yellow finish is
> that you see on most aluminum equipment chassis, and on aluminum
> antennas?
>
> I don't think it is anodized, it looks like the aluminum parts are dipped
> in something, because you can still see the "drips" in the yellow
> coating.
>
> Does any-one know that this "something" is that these parts are dipped
> in?
>

I think zinc chromate used to be used. I'm not sure if it is still available or has been replaced by something "better."

--
John Weiss
Bare Bones BBS, Seattle, WA
206-368-7672

```
From 914834671832401801
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4eac6f6d386b2df4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,4eac6f6d386b2df4
X-Google-Attributes: gid107ada,public
X-Google-Thread: 11bb60,4eac6f6d386b2df4
X-Google-Attributes: gid11bb60,public
X-Google-Thread: fa029,4eac6f6d386b2df4
X-Google-Attributes: gidfa029,public
From: Mike <miken@dxnet.com>
Subject: Re: Receiving traffic helicopter signals?
Date: 1996/10/19
Message-ID: <32696F94.63A7@dxnet.com>#1/1
X-Deja-AN: 190672678
distribution: world
references: <3268DD1E.4685@pobox.com>
content-type: text/plain; charset=us-ascii
organization: Microserve Information Systems (800)-380-INET
mime-version: 1.0
reply-to: miken@dxnet.com
newsgroups: rec.ham-
radio,,ec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.scanner
x-mailer: Mozilla 3.0 (Win16; I)
```

Peter A. Forkes wrote:
>
> What equipment would be needed to pick up the pictures broadcast back to
> the station by the local TV sataions helicopters?
>
> Peter

Most of the pictures sent by the helicoptors is on microwave. They use a fairly directional system on the helicoptor which actually tracks the mountain top receiver.

I believe it is in the 2GHZ area.

Unless you are between the two, chances are not favorable you would see anything.

You could call Troll systems, in Valencia CA and ask. They make the xmitter systems.

MikeN

From -6157487873340269361
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f4535,bfbafef81e8b9f15,start
X-Google-Attributes: gidf4535,public
X-Google-Thread: 10c9e3,bfbafef81e8b9f15,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,bfbafef81e8b9f15,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fda75,bfbafef81e8b9f15,start
X-Google-Attributes: gidfda75,public
X-Google-Thread: f76e2,bfbafef81e8b9f15,start
X-Google-Attributes: gidf76e2,public
From: bmoore@io.org (Barry Moore)
Subject: FS: 1 Pair of 6146B's - $18 for the Pair
Date: 1996/10/20
Message-ID: <54cekc$p8a@news1.io.org>#1/1
X-Deja-AN: 190765475
organization: Internex Online (io.org), Toronto, Ontario, Canada
newsgroups: torfree.for-sale,rec.ham-radio,rec.ham-radio.swap,rec.audio.tubes,rec.antiques.radio+phono

I have a pair of 6146B Final tubes for sale. Worked fine when removed from service. I no longer own the transmitter they came from, so the tubes are for sale.

$18US + shipping.

Reply by email to bmoore@io.org

```
Regards.... BM




From 3605485940615466551
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,bf5c0b62d378e7f0,start
X-Google-Attributes: gid1091c5,public
X-Google-Thread: fc734,bf5c0b62d378e7f0,start
X-Google-Attributes: gidfc734,public
X-Google-Thread: f9356,bf5c0b62d378e7f0,start
X-Google-Attributes: gidf9356,public
X-Google-Thread: 10c9e3,bf5c0b62d378e7f0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1012c0,bf5c0b62d378e7f0,start
X-Google-Attributes: gid1012c0,public
X-Google-Thread: fb049,bf5c0b62d378e7f0,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: f8d61,bf5c0b62d378e7f0,start
X-Google-Attributes: gidf8d61,public
X-Google-Thread: fb13e,bf5c0b62d378e7f0,start
X-Google-Attributes: gidfb13e,public
From: RJones5482@gnn.com (Joanne Jones)
Subject: FS: Yaesu FT757GXII
Date: 1996/10/20
Message-ID: <54eqod$doc@news-e2b.gnn.com>#1/1
X-Deja-AN: 190882579
x-gnn-newsserver-posting-date: 21 Oct 1996 03:30:21 GMT
content-type: text/plain; charset="us-ascii"
organization: GNN
mime-version: 1.0
newsgroups: alt.ham-radio.am,alt.ham-radio.fm,alt.ham-radio.ssb,alt.ham-radio.vhf-
uhf,dc.ham-radio,hh.hamradio,man.ham-radio,rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,re
c.radio.amateur.swap,rec.radio.swap
x-mailer: GNNmessenger 1.3


 For Sale: A Yaesu FT 757 GXII in like NEW Condition.
     Have Mobile Setup only (12 V)  10-75 M Bands including FM
     10 Hrs Max Time on Unit.
                            First $600.00 or Best Offer takes

     Respond to this post or E-mail rjones5482@gnn.com




From 4691658066068176740
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f4535,c52e0a9008a04a6e,start
X-Google-Attributes: gidf4535,public
```

X-Google-Thread: 10c9e3,c52e0a9008a04a6e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,c52e0a9008a04a6e,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fda75,c52e0a9008a04a6e,start
X-Google-Attributes: gidfda75,public
X-Google-Thread: f76e2,c52e0a9008a04a6e,start
X-Google-Attributes: gidf76e2,public
From: bmoore@io.org (Barry Moore)
Subject: FS: Vintage 1935-1936 Signal Training Manuals
Date: 1996/10/20
Message-ID: <54cemm$p91@news1.io.org>#1/1
X-Deja-AN: 190892280
organization: Internex Online (io.org), Toronto, Ontario, Canada
newsgroups: torfree.for-sale,rec.ham-radio,rec.ham-radio.swap,rec.audio.tubes,rec.antiques.radio+phono

I have a set Vol 1 & 2 of Canadian Air Force Signal Training Manuals
that were used to train Radio/Radar Techs in WW2. Covers are in poor
condition... all pages intact... and handwritten notes throughout.

Very detailed treatment of electromagnetic theory, Field Theory,
AC Circuits, Tubes, Oscillators, Receivers, Transmitters, Antennas,
Wireless Transmission Phenomena, Direction Finding,
Batteries & Power Supplies

$10 O.B.O. + Shipping if required

Reply by email

Regards.... BM

From 6601860504383442016
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,7c4e865eb41ad869
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 107ada,7c4e865eb41ad869
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,7c4e865eb41ad869

```
X-Google-Attributes: gid1031c8,public
From: cphillips@pobox.com (Curt Phillips)
Subject: Re: Ham Gear for Sale....
Date: 1996/10/21
Message-ID: <54e911$l2c@redstone.interpath.net>#1/1
X-Deja-AN: 190834926
references: <MPG.cc886338ade4d1f98968e@news.zippo.com>
<3261EF43.3017@no.spam.please> <3264FF0D.41C6@pactitle.com>
<5434en$ke0@krypto.zippo.com> <mwhite-1710961335190001@m14494-mac.mitre.org>
organization: Mystic Knights of the Sea
reply-to: cphillips@pobox.com
newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatancho
rs,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.r
adio.swap


mwhite@mitre.org (Michael White) wrote:
>> Reason for selling is that I just got married a few months ago and
>> either the Ham Gear or me go.
>"Yeah, my wife said she'd leave me if I didn't get off the radio. Over."

  Yep, these are not the newsgroups (especially the new
rec.radio.amateur.boatanchors)  to get sympathy for that kind of comment.
You gotta keep your priorities in order.  :-)

========= Opinions expressed are solely those of the author ============
Curt Phillips, CEM KD4YU (ex-WB4LHI)  | "I think that marriage is a
Engineer/ Writer/ Gadgeteer/ Raconteur| great institution.  But who
Chairman, Tarheel Scanner/SWL Group   | wants to be in an institution?"
ARRL Life; QCWA; Raleigh ARS; NRA; AEE|     --- Groucho Marx
===== cphillips@pobox.com ===== Copyright 1996 All Rights Reserved =====




From -6850264392135326032
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43cd8486dbe3cb67
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,43cd8486dbe3cb67
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 108abf,43cd8486dbe3cb67
X-Google-Attributes: gid108abf,public
X-Google-Thread: 1109af,43cd8486dbe3cb67
X-Google-Attributes: gid1109af,public
X-Google-Thread: 10c2ee,43cd8486dbe3cb67
X-Google-Attributes: gid10c2ee,public
From: jim@rst-engr.com (Jim Weir)
Subject: Re: Aluminum surface treatment info wanted
Date: 1996/10/21
Message-ID: <54g8rp$1ho@li.oro.net>#1/1
X-Deja-AN: 191196088
```

references: <01bbbdde$015bbf80$105e5bc0@A0927429.itg.ti.com>
organization: RST Engineering
reply-to: jim@rst-engr.com
newsgroups: rec.antiques.radio+phono,rec.aviation.military,rec.ham-radio,rec.radio.amateur.homebrew,rec.radio.swap

"Loek d'Hont" <ldhont@ti.com> shared these priceless pearls of wisdom:
->I am restoring some radios but have problems with repairing the aluminum
->coating.

What you are looking at is the chromate version of Alodine. Alodine is an aluminum chemical film corrosion inhibitor and is really quite excellent. Most well-stocked automotive paint stores (not the handyman stores) have alodine.

I would suggest that you get a bottle of Metl-Prep while you are there. It is a alkaline etch for the aluminum that strips the old corroded aluminum surface down to the bare clean metal. THEN Alodine it and it is good for a long time. Watch out, the stuff will turn you into a girl if you spill it on the wrong spot.

Be VERY CAREFUL with the Alodine. There have been some credible reports that it is a decent carcinogen. Then again, the same is said of filet mignon.

If the paint stores don't have it, the aircraft parts houses certainly have it. We couldn't live without it in the flying game. By the way, if you have the option to use stainless steel hardware with the chassis, it will cut WAY down on that "powder white" corrosion that you see.

Jim

```
Jim Weir VP Engineering | You bet your sweet patootie I speak for the
RST Engineering         | company.  If I don't, ain't nobody gonna.
Grass Valley CA 95945   |
http://www.rst-engr.com | AR Adv WB6BHI--FCC 1st phone---Cessna 182A N73CQ
jim@rst-engr.com        | Commercial/CFI-Airplane/Glider-A&P-FAA Counselor
```

From -6178227323597386604
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,7c4e865eb41ad869
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc8b1,7c4e865eb41ad869

X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,7c4e865eb41ad869
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
From: mjnoble@lucent.com
Subject: Re: Ham Gear for Sale....
Date: 1996/10/22
Message-ID: <54ih35$btt@ssbunews.ih.lucent.com>#1/1
X-Deja-AN: 191231431
distribution: att
sender: mnoble@mlw056 (ml330-Noble)
references: <MPG.cc886338ade4d1f98968e@news.zippo.com>
<3261EF43.3017@no.spam.please> <3264FF0D.41C6@pactitle.com>
<5434en$ke0@krypto.zippo.com> <mwhite-1710961335190001@m14494-mac.mitre.org>
organization: Lucent Technologies, Indian Hill
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap
originator: mnoble@mlsma

In article <mwhite-1710961335190001@m14494-mac.mitre.org>, mwhite@mitre.org
(Michael White) writes:
|> > Reason for selling is that I just got married a few months ago and
|> > either the Ham Gear or me go.
|>
|>
|> "Yeah, my wife said she'd leave me if I didn't get off the radio. Over."

Wife? I had one of those once!

Martin - G8BPV

From 6191657290066066432
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43cd8486dbe3cb67
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,43cd8486dbe3cb67
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 108abf,43cd8486dbe3cb67
X-Google-Attributes: gid108abf,public
X-Google-Thread: 1109af,43cd8486dbe3cb67
X-Google-Attributes: gid1109af,public
X-Google-Thread: fc2a5,43cd8486dbe3cb67
X-Google-Attributes: gidfc2a5,public

From: "Paul J. Adam" <paul@jrwlynch.demon.co.uk>
Subject: Re: Aluminum surface treatment info wanted
Date: 1996/10/22
Message-ID: <HBRzRXAcfSbyEwoT@jrwlynch.demon.co.uk>#1/1
X-Deja-AN: 191305497
distribution: world
x-nntp-posting-host: jrwlynch.demon.co.uk
references: <01bbbdde$015bbf80$105e5bc0@A0927429.itg.ti.com>
organization: Wholesale Lunacy
mime-version: 1.0
newsgroups: rec.antiques.radio+phono,rec.aviation.military,rec.ham-radio,rec.radio.amateur.homebrew,rec.radio.swap

In article <54g8rp$1ho@li.oro.net>, Jim Weir <jim@rst-engr.com> writes
>What you are looking at is the chromate version of Alodine. Alodine is an
>aluminum chemical film corrosion inhibitor and is really quite excellent.
>Most well-stocked automotive paint stores (not the handyman stores) have
>alodine.

We use something similar as ALOCROM for repairing damaged anodising on Sting Ray and Spearfish hulls.

>I would suggest that you get a bottle of Metl-Prep while you are there. It
>is a alkaline etch for the aluminum that strips the old corroded aluminum
>surface down to the bare clean metal. THEN Alodine it and it is good for a
>long time. Watch out, the stuff will turn you into a girl if you spill it
>on the wrong spot.
>
>Be VERY CAREFUL with the Alodine. There have been some credible reports
>that it is a decent carcinogen. Then again, the same is said of filet
>mignon.

It's a major hazard, as far as our safety people are concerned, and I'm frankly surprised it's available retail. Handle it with great care.

It does work well, though, which is why its corrosive and carcinogenic properties are tolerated.

--
"There are four kinds of homicide: felonious, excusable, justifiable and praiseworthy."
Ambrose Bierce, "The Devil's Dictionary"

Paul J. Adam   paul@jrwlynch.demon.co.uk

From 1480911552781428400
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43cd8486dbe3cb67
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 10c2ee,43cd8486dbe3cb67
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fc2a5,43cd8486dbe3cb67
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 108abf,43cd8486dbe3cb67
X-Google-Attributes: gid108abf,public
X-Google-Thread: 1109af,43cd8486dbe3cb67
X-Google-Attributes: gid1109af,public
From: jim@rst-engr.com (Jim Weir)
Subject: Re: Aluminum surface treatment info wanted
Date: 1996/10/22
Message-ID: <54jfih$24d@li.oro.net>#1/1
X-Deja-AN: 191324127
references: <01bbbdde$015bbf80$105e5bc0@A0927429.itg.ti.com>
<54g8rp$1ho@li.oro.net> <HBRzRXAcfSbyEwoT@jrwlynch.demon.co.uk>
organization: RST Engineering
reply-to: jim@rst-engr.com
newsgroups: rec.antiques.radio+phono,rec.aviation.military,rec.ham-radio,rec.radio.amateur.homebrew,rec.radio.swap

"Paul J. Adam" <paul@jrwlynch.demon.co.uk> shared these priceless pearls of wisdom:
->>
->>Be VERY CAREFUL with the Alodine. There have been some credible reports
->>that it is a decent carcinogen. Then again, the same is said of filet
->>mignon.

->It's a major hazard, as far as our safety people are concerned, and I'm
->frankly surprised it's available retail. Handle it with great care.

->It does work well, though, which is why its corrosive and carcinogenic
->properties are tolerated.

Are you talking about the Alodine or the filet?   {;-)

Jim

```
Jim Weir VP Engineering | You bet your sweet patootie I speak for the
RST Engineering         | company.  If I don't, ain't nobody gonna.
Grass Valley CA 95945   |
http://www.rst-engr.com | AR Adv WB6BHI--FCC 1st phone---Cessna 182A N73CQ
jim@rst-engr.com        | Commercial/CFI-Airplane/Glider-A&P-FAA Counselor
```

From 9107046579343537245
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43cd8486dbe3cb67
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,43cd8486dbe3cb67

X-Google-Attributes: gid1109af,public
X-Google-Thread: fc2a5,43cd8486dbe3cb67
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 10c2ee,43cd8486dbe3cb67
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 108abf,43cd8486dbe3cb67
X-Google-Attributes: gid108abf,public
From: Roland Burgan <rburgan@up.net>
Subject: Re: Aluminum surface treatment info wanted
Date: 1996/10/22
Message-ID: <326D315E.1269@up.net>#1/1
X-Deja-AN: 191331639
references: <01bbbdde$015bbf80$105e5bc0@A0927429.itg.ti.com>
cc: rburgan@up.net
content-type: text/plain; charset=us-ascii
organization: up.net
mime-version: 1.0
newsgroups: rec.antiques.radio+phono,rec.aviation.military,rec.ham-radio,rec.radio.amateur.homebrew,rec.radio.swap
x-mailer: Mozilla 2.01 (Win16; U)

Has anyone used Zinc-Chromate for this purpose...used to be available
at most Automotive Supply stores...rather expensive, though.

Paul J. Adam wrote:
>
> In article <54g8rp$1ho@li.oro.net>, Jim Weir <jim@rst-engr.com> writes
> >What you are looking at is the chromate version of Alodine. Alodine is an
> >aluminum chemical film corrosion inhibitor and is really quite excellent.
> >Most well-stocked automotive paint stores (not the handyman stores) have
> >alodine.
>
> We use something similar as ALOCROM for repairing damaged anodising on
> Sting Ray and Spearfish hulls.
>
> >I would suggest that you get a bottle of Metl-Prep while you are there. It
> >is a alkaline etch for the aluminum that strips the old corroded aluminum
> >surface down to the bare clean metal. THEN Alodine it and it is good for a
> >long time. Watch out, the stuff will turn you into a girl if you spill it
> >on the wrong spot.
> >
> >Be VERY CAREFUL with the Alodine. There have been some credible reports
> >that it is a decent carcinogen. Then again, the same is said of filet
> >mignon.
>
> It's a major hazard, as far as our safety people are concerned, and I'm
> frankly surprised it's available retail. Handle it with great care.
>
> It does work well, though, which is why its corrosive and carcinogenic
> properties are tolerated.
>
> --

```
> "There are four kinds of homicide: felonious, excusable, justifiable and
> praiseworthy."
> Ambrose Bierce, "The Devil's Dictionary"
>
> Paul J. Adam                                 paul@jrwlynch.demon.co.uk



From -7452525643565981790
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,7c4e865eb41ad869
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 107ada,7c4e865eb41ad869
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,7c4e865eb41ad869
X-Google-Attributes: gid1031c8,public
From: hwatson@erinet.com (Howard Watson)
Subject: Re: Ham Gear for Sale....
Date: 1996/10/23
Message-ID: <54k6go$n9f@eri.erinet.com>#1/1
X-Deja-AN: 191397211
references: <MPG.cc886338ade4d1f98968e@news.zippo.com>
<3261EF43.3017@no.spam.please> <3264FF0D.41C6@pactitle.com>
<5434en$ke0@krypto.zippo.com> <mwhite-1710961335190001@m14494-mac.mitre.org>
<54ih35$btt@ssbunews.ih.lucent.com>
organization: U.S. Air Force
newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatancho
rs,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.r
adio.swap


mjnoble@lucent.com wrote:


>In article <mwhite-1710961335190001@m14494-mac.mitre.org>, mwhite@mitre.org
(Michael White) writes:
>|> > Reason for selling is that I just got married a few months ago and
>|> > either the Ham Gear or me go.
>|>
>|>
>|> "Yeah, my wife said she'd leave me if I didn't get off the radio. Over."
```

I lucked out. I did it the easy way, just got the wife to become a
ham also! :>

Howard

From 5239814830393068452
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a2c3e123e58cf91
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,1a2c3e123e58cf91
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,1a2c3e123e58cf91
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc2a5,1a2c3e123e58cf91
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 10c2ee,1a2c3e123e58cf91
X-Google-Attributes: gid10c2ee,public
From: Bob Miller <bmiller@calweb.com>
Subject: Re: Please help find Manual- Allied A2516 Ham receiver
Date: 1996/10/23
Message-ID: <326EE935.70C4@calweb.com>#1/1
X-Deja-AN: 191743322
references: <Pine.SUN.3.95.961019092947.4084H-100000@garcia.efn.org>
content-type: text/plain; charset=us-ascii
organization: CalWeb Internet Services, Inc.
mime-version: 1.0
reply-to: bmiller@calweb.com
newsgroups:
rec.antiques.radio+phono,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.ham-radio
nntp-posting-user: account=bmiller
x-mailer: Mozilla 3.0 (Win95; I)

Jim Larson wrote:
>Hi Jim

Try W7FG Vintage Manuals
800 807 6146
3300 Wayside Drive
Bartlesville, OK 74006

> Please help me find a source for a manual/schematics for an old Allied
> model A2516 ham receiver. It is an older tube type, a kit I think.
> I have tried Sam's and Sarrio with no luck. Does anyone know some good
> sources for manuals or possibly an individual that would have a xerox
> copy available? Please forgive me if this is in an FAQ somewhere,
> I am a newbie, and this is my first "taste of ham" :)

```
>
> p.s. I'm hooked..........
>
> Thank you ALOT!
>
>
>            ._________________
>           /________________/|   _____
>          |                |  |  /___/|
>          |______.   ._____j/  |   | |
>                 |   | |       |___|/
>         _____   |   | |        ______      _____    _____
>        /___/|   |   | |       /____/|     /____/\  /___/|
>       |   | |   |   | |       |   | |     |    \ \/   | |
>       |   |  \__|   | |       |   | |     |     \/    | |
>       \    \___/    / /       |   | |     |   \    /  | |
>         \          / /        |   | |     |   | \/ |  | |
>           \_____./_/          |___|/'     |___|/'  |__|/'
>
>   James K. Larson - james_l@efn.org - Junction City, Oregon
```

From 4225205571219803547
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43cd8486dbe3cb67
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108abf,43cd8486dbe3cb67
X-Google-Attributes: gid108abf,public
X-Google-Thread: 10c2ee,43cd8486dbe3cb67
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fc2a5,43cd8486dbe3cb67
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 1109af,43cd8486dbe3cb67
X-Google-Attributes: gid1109af,public
From: "Loek d'Hont" <ldhont@ti.com>
Subject: Re: Aluminum surface treatment info wanted
Date: 1996/10/25
Message-ID: <01bbc22d$2fcb7380$59c1759c@A0927429.itg.ti.com>#1/1
X-Deja-AN: 191899349
references: <01bbbdde$015bbf80$105e5bc0@A0927429.itg.ti.com>
<54g8rp$1ho@li.oro.net> <HBRzRXAcfSbyEwoT@jrwlynch.demon.co.uk>
<54jfih$24d@li.oro.net>
organization: Texas Instruments
newsgroups: rec.antiques.radio+phono,rec.aviation.military,rec.ham-radio,rec.radio.amateur.homebrew,rec.radio.swap

I would like to thank all people who responded to this, either by email or newsgroup.

Got lots of reactions, some of them very worthy.

Thanks again.

Loek d'Hont   LDHONT@ti.com

From 2833345808368281075
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,7c4e865eb41ad869
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc8b1,7c4e865eb41ad869
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1031c8,7c4e865eb41ad869
X-Google-Attributes: gid1031c8,public
From: bobropes@smokey.prismnet.com (spiderman)
Subject: Re: Ham Gear for Sale....
Date: 1996/10/25
Message-ID: <54pg7o$t9b@ferengi.prismnet.com>#1/1
X-Deja-AN: 191924883
references: <MPG.cc886338ade4d1f98968e@news.zippo.com>
<3261EF43.3017@no.spam.please> <3264FF0D.41C6@pactitle.com>
<5434en$ke0@krypto.zippo.com> <mwhite-1710961335190001@m14494-mac.mitre.org>
<54ih35$btt@ssbunews.ih.lucent.com> <54k6go$n9f@eri.erinet.com>
organization: PrismNet - (512)-418-1568
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

Howard,

I'm sorry. Did you say getting your wife to be a ham was the easy way out???? I'm still trying to get mine to open the book.

Bob J.

hwatson@erinet.com (Howard Watson) wrote:

>mjnoble@lucent.com wrote:

```
>>In article <mwhite-1710961335190001@m14494-mac.mitre.org>, mwhite@mitre.org
(Michael White) writes:
>>|> > Reason for selling is that I just got married a few months ago and
>>|> > either the Ham Gear or me go.
>>|>
>>|>
>>|> "Yeah, my wife said she'd leave me if I didn't get off the radio. Over."


>I lucked out.  I did it the easy way, just got the wife to become a
>ham also!  :>

>Howard
```

```
From 3417076748260220933
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,7c4e865eb41ad869
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fc8b1,7c4e865eb41ad869
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 107ada,7c4e865eb41ad869
X-Google-Attributes: gid107ada,public
From: Dave Booth <booth@pactitle.com>
Subject: Re: Ham Gear for Sale....
Date: 1996/10/25
Message-ID: <3270E34F.41C6@pactitle.com>#1/1
X-Deja-AN: 192016077
references: <MPG.cc886338ade4d1f98968e@news.zippo.com>
<3261EF43.3017@no.spam.please> <3264FF0D.41C6@pactitle.com>
<5434en$ke0@krypto.zippo.com> <mwhite-1710961335190001@m14494-mac.mitre.org>
<54ih35$btt@ssbunews.ih.lucent.com> <54k6go$n9f@eri.erinet.com>
<54pg7o$t9b@ferengi.prismnet.com>
to: spiderman <bobropes@smokey.prismnet.com>
content-type: text/plain; charset=us-ascii
organization: KC6WFS
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-
```

```
radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatancho
rs,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.r
adio.swap
x-mailer: Mozilla 3.0 (X11; U; IRIX 5.3 IP19)


spiderman wrote:
>
Mine also became a ham... Get her involved!!!!!!!!!
Dave Booth kc6wfs
http://www.geocities.com/Hollywood/5860
> Howard,
>
> I'm sorry.  Did you say getting your wife to be a ham was the easy way
> out????  I'm still trying to get mine to open the book.
>
> Bob J.
>
> hwatson@erinet.com (Howard Watson) wrote:
>
> >mjnoble@lucent.com wrote:
>
> >>In article <mwhite-1710961335190001@m14494-mac.mitre.org>, mwhite@mitre.org
(Michael White) writes:
> >>|> > Reason for selling is that I just got married a few months ago and
> >>|> > either the Ham Gear or me go.
> >>|>
> >>|>
> >>|> "Yeah, my wife said she'd leave me if I didn't get off the radio. Over."
>
> >I lucked out.  I did it the easy way, just got the wife to become a
> >ham also!  :>
>
> >Howard

--



From 6242551965932448544
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,7c4e865eb41ad869
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 1031c8,7c4e865eb41ad869
X-Google-Attributes: gid1031c8,public
```

```
X-Google-Thread: 107ada,7c4e865eb41ad869
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
From: bbaka@syix.com
Subject: Re: Ham Gear for Sale....
Date: 1996/10/25
Message-ID: <N.102596.111526.22@treasure-d21.syix.com>#1/1
X-Deja-AN: 192148558
references: <MPG.cc886338ade4d1f98968e@news.zippo.com>
organization: Baka Engineering Service
newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatancho
rs,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.r
adio.swap


 > Reason for selling is that I just got married a few months ago and
> > either the Ham Gear or me go.
> > "Yeah, my wife said she'd leave me if I didn't get off the radio. Over."

Hah, my wife is happy when I'm playing with the radio, or the computer. At
least she KNOWS I'm not with another woman, which I might well be in someones
case.

Bill





From 2640075196870272174
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20b91c619af6dd88,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,20b91c619af6dd88,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1109af,20b91c619af6dd88,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108122,20b91c619af6dd88,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,20b91c619af6dd88,start
X-Google-Attributes: gidf76e2,public
From: mikey@cts.com (Mike Shirley)
Subject: NEEDED: Cushman CE5 Communications Monitor Plugins, Manuals, Extender
Card, Info
Date: 1996/10/25
Message-ID: <54piic$9ie@bogus.cts.com>#1/1
X-Deja-AN: 192198451
organization: Binford Tools Inc.
followup-to: rec.radio.amateur.equipment
reply-to: mikey@cts.com
newsgroups:
```

rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.swap,rec.ham-radio.swap,rec.ham-radio

I just purchased a working Cushman CE5 Monitor. The deviation scope and 450 plug works well but 25 meg and 150 meg plugins are not doing well. Also the A17 PPL board is hosed. I need some help in resurrectiong this vintage piece of FM test gear.

If anyone can point me toward any commercial outfits that might still support this monitor or better might have parts, manuals, and/or plugins, I'd be most greatful.

Followup directed to: rec.radio.amateur.equipment but email CC would be appreciated.
--
```
    | Mike Shirley, mikey@cts.com, WB6WUI, San Diego, CA USA  |
    |        http://www.users.cts.com/crash/m/mikey           |
    `---------------------------------------------------------'
```

From 3520158938118178755
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43cd8486dbe3cb67
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,43cd8486dbe3cb67
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 10c2ee,43cd8486dbe3cb67
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 1109af,43cd8486dbe3cb67
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108abf,43cd8486dbe3cb67
X-Google-Attributes: gid108abf,public
From: holtzman@shazam.ecs.csus.edu (James Holtzman)
Subject: Re: Aluminum surface treatment info wanted
Date: 1996/10/26
Message-ID: <54rn24$kno@csusac.ecs.csus.edu>#1/1
X-Deja-AN: 192163192
distribution: world
references: <01bbbdde$015bbf80$105e5bc0@A0927429.itg.ti.com> <54g8rp$1ho@li.oro.net> <HBRzRXAcfSbyEwoT@jrwlynch.demon.co.uk>
organization: California State University, Sacramento
newsgroups: rec.antiques.radio+phono,rec.aviation.military,rec.ham-radio,rec.radio.amateur.homebrew,rec.radio.swap

I missed the beginning of this thread, so I hope I'm on track. If you are trying to repair a surface that was black anodized, on alulminum, of course, I purhase a little bottle from gun stores, made for blacking aluminum, called "aluminum black". You degrease the surface, and apply sequencial amounts, with a cotton swap, etc. After a few minutes, the surface turns to a dull black. Not as good as anodizing, but at least you can do it at home.

I think the manufacturer is "Birchwood Casey". You might also try some
sporting goods supplys.

jrh

--
James Holtzman kc6ncg Team OS/2 (holtzman@shazam.ecs.csus.edu) (916) 278-7374
Manager Computer Tech Support, Engineering & Computer Science, CSU, Sacto, CA
"What this country needs is less people telling us what this country needs"

From -1102473654079904062
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f07347e3c9ff152
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,f07347e3c9ff152
X-Google-Attributes: gid108122,public
X-Google-Thread: 10f32b,f07347e3c9ff152
X-Google-Attributes: gid10f32b,public
X-Google-Thread: 1009ad,f07347e3c9ff152
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 107ada,f07347e3c9ff152
X-Google-Attributes: gid107ada,public
X-Google-Thread: fddbf,f07347e3c9ff152
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fc8b1,f07347e3c9ff152
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f76e2,f07347e3c9ff152
X-Google-Attributes: gidf76e2,public
From: paz@world.std.com (paz)
Subject: Re: ic-706
Date: 1996/10/26
Message-ID: <Dzw7ot.E08@world.std.com>#1/1
X-Deja-AN: 192279928
references: <01bbc025$7992b000$5194b8c2@default>
organization: Creative Broadcast Jamming, Inc.
followup-to: alt.radio.digital,alt.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc
newsgroups: alt.radio.digital,alt.radio.scanner,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc

Emiddio (pillo@rm.ats.it) wrote:
: I desire have news on contingent modifications for can increase the
: [efficenza dell] new ICOM 706

Too light for a boatanchor. Add a few bricks.
That's the main problem with all this newfangled equipment. Too light.
And too small, too! I believe they should charge by the pound for radio
equipment. Much more equitable.

```
From -3293377807324740863
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f07347e3c9ff152
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,f07347e3c9ff152
X-Google-Attributes: gid108122,public
X-Google-Thread: 10f32b,f07347e3c9ff152
X-Google-Attributes: gid10f32b,public
X-Google-Thread: 1009ad,f07347e3c9ff152
X-Google-Attributes: gid1009ad,public
X-Google-Thread: f76e2,f07347e3c9ff152
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,f07347e3c9ff152
X-Google-Attributes: gid107ada,public
X-Google-Thread: fddbf,f07347e3c9ff152
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fc8b1,f07347e3c9ff152
X-Google-Attributes: gidfc8b1,public
From: "Joe  Roach" <jr@cybertron.com>
Subject: Re: ic-706
Date: 1996/10/27
Message-ID: <01bbc3b8$f7e80f40$6e5c1bce@mcp.cybertron.com>#1/1
X-Deja-AN: 192401115
references: <01bbc025$7992b000$5194b8c2@default> <Dzw7ot.E08@world.std.com>
organization: CyberTron, Inc.
newsgroups: alt.radio.digital,alt.radio.scanner,rec.ham-radio,rec.ham-
radio.packet,rec.ham-
radio.swap,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.ama
teur.misc
```

paz <paz@world.std.com> wrote in article <Dzw7ot.E08@world.std.com>...
> Emiddio (pillo@rm.ats.it) wrote:
> : I desire have news on contingent modifications for can increase the
> : [efficenza dell] new ICOM 706
>
> Too light for a boatanchor. Add a few bricks.
> That's the main problem with all this newfangled equipment. Too light.
> And too small, too! I believe they should charge by the pound for radio
> equipment. Much more equitable.
>

Ck the list of Icom mods at

http://oak.oakland.edu:8080/pub/hamradio/mods/icom/

Several are listed for the 706

Joe

From 8132358436834811050
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d5de012b8703af7c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 103407,d5de012b8703af7c,start
X-Google-Attributes: gid103407,public
X-Google-Thread: 105d97,d5de012b8703af7c,start
X-Google-Attributes: gid105d97,public
From: bad_mf <bad_mf@nym.alias.net>
Subject: scanners and police
Date: 1996/10/27
Message-ID: <199610270620.BAA08441@anon.lcs.mit.edu>#1/1
X-Deja-AN: 192431804
organization: mail2news@nym.alias.net
mail-to-news-contact: admin@nym.alias.net
newsgroups: aus.electronics,sci.electronics,rec.ham-radio

I am thinking about buying a scanner (probably an AOR AR1000 or other low-end AOR, or maybe one of the more expensive ones, if I think it will be worth it) to listen in on police and cellular phones.

I am in Australia.

I am wondering about the system used by police between the cars and the base to communicate. While in a police car once (don't ask), I got the impression that the base could speak to any car directly, without the other cars hearing their transmissions. How would I listen in on all the cars, if this is the case?

Also, it seems that the cellular frequencies are often disabled on these scanners. How do I un-disable them? I am handy with a soldering iron, but not-so handy with anything to do with RF.

Thanks in advance.....

From 4159522220597872109
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,7c4e865eb41ad869

```
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc8b1,7c4e865eb41ad869
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,7c4e865eb41ad869
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
From: kr4wm@sccoast.net (Web Williams)
Subject: Re: Ham Gear for Sale....
Date: 1996/10/27
Message-ID: <3272dfa8.18110245@news.infoave.net>#1/1
X-Deja-AN: 192472201
references: <MPG.cc886338ade4d1f98968e@news.zippo.com>
<3261EF43.3017@no.spam.please> <3264FF0D.41C6@pactitle.com>
<5434en$ke0@krypto.zippo.com> <mwhite-1710961335190001@m14494-mac.mitre.org>
<54ih35$btt@ssbunews.ih.lucent.com>
organization: Info Avenue INTERNET Access
newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatancho
rs,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.r
adio.swap


On 22 Oct 1996 13:09:57 GMT, mjnoble@lucent.com wrote:

>
>In article <mwhite-1710961335190001@m14494-mac.mitre.org>, mwhite@mitre.org
(Michael White) writes:
>|> > Reason for selling is that I just got married a few months ago and
>|> > either the Ham Gear or me go.
>|>
>|>
>|> "Yeah, my wife said she'd leave me if I didn't get off the radio. Over."
>
>
>Wife? I had one of those once!
>
>Martin - G8BPV

I'm glad you guys just reminded me, I have one of those that stays in
the other room! I forgot about her a couple of years ago. I wonder if
she's still there? ;->



From -969284553648611750
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
```

X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,7c4e865eb41ad869
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc8b1,7c4e865eb41ad869
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 1031c8,7c4e865eb41ad869
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
From: scederas@intercenter.net (Sam Cederas)
Subject: Re: Ham Gear for Sale....
Date: 1996/10/28
Message-ID: <3274374c.674037@news.intercenter.net>#1/1
X-Deja-AN: 192632389
references: <MPG.cc886338ade4d1f98968e@news.zippo.com>
<3261EF43.3017@no.spam.please> <3264FF0D.41C6@pactitle.com>
<5434en$ke0@krypto.zippo.com> <mwhite-1710961335190001@m14494-mac.mitre.org>
<54ih35$btt@ssbunews.ih.lucent.com> <54k6go$n9f@eri.erinet.com>
<54pg7o$t9b@ferengi.prismnet.com> <3270E34F.41C6@pactitle.com>
<550v3l$5n@news1.mnsinc.com>
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

I have the same problem. I only get one or two new messages every day.
AD4PY Cary, N.C.

On Sun, 27 Oct 1996 22:37:56 GMT, bry@mnsinc.com (Bry) wrote:

>I can't seem to get this bloody newsgroup to access any more.
>It's not my software etc. HERE because I CAN get messages from other
>newsgroups!
>
>Is it busted??
>
>73 from Amateur Radio AF4K / G3XLQ
>http://www.mnsinc.com/bry
>E-mail: bry@mnsinc.com
>Home of MEGALIST ham radio files, pirate links etc. etc.
>

From -55232439523917622
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,7c4e865eb41ad869
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 107ada,7c4e865eb41ad869
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fc8b1,7c4e865eb41ad869
X-Google-Attributes: gidfc8b1,public
From: dmoorman@interaccess.com (Dave Moorman)
Subject: Re: Ham Gear for Sale....
Date: 1996/10/28
Message-ID: <dmoorman-2810960704580001@d97.dialnet1.interaccess.com>#1/1
X-Deja-AN: 192739791
references: <MPG.cc886338ade4d1f98968e@news.zippo.com>
<3261EF43.3017@no.spam.please> <3264FF0D.41C6@pactitle.com>
<5434en$ke0@krypto.zippo.com> <mwhite-1710961335190001@m14494-mac.mitre.org>
<54ih35$btt@ssbunews.ih.lucent.com> <54k6go$n9f@eri.erinet.com>
<54pg7o$t9b@ferengi.prismnet.com> <3270E34F.41C6@pactitle.com>
<550v3l$5n@news1.mnsinc.com> <3274374c.674037@news.intercenter.net>
organization: InterAccess, Chicago's best Internet Service Provider
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

Some ISP or servers don't give you the whole newsgroup. Email your ISP
and tell them about the problem.

Dave

In article <3274374c.674037@news.intercenter.net>,
scederas@intercenter.net (Sam Cederas) wrote:

>   I have the same problem. I only get one or two new messages
> every day.
> AD4PY Cary, N.C.
>
>
> On Sun, 27 Oct 1996 22:37:56 GMT, bry@mnsinc.com (Bry) wrote:
>
> >I can't seem to get this bloody newsgroup to access any more.
> >It's not my software etc. HERE because I CAN get messages from other

```
> >newsgroups!
> >
> >Is it busted??
> >
> >73 from Amateur Radio AF4K  /  G3XLQ
> >http://www.mnsinc.com/bry
> >E-mail:  bry@mnsinc.com
> >Home of MEGALIST ham radio files, pirate links etc. etc.
> >

--
Dave Moorman                              Metasignatures can be fun!
Downers Grove
Illinois, USA
http://homepage.interaccess.com/~dmoorman/DavesPage.html




From 6430377410785923608
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d5de012b8703af7c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,d5de012b8703af7c
X-Google-Attributes: gid105d97,public
X-Google-Thread: 103407,d5de012b8703af7c
X-Google-Attributes: gid103407,public
From: dan cox <village1@lightspeed.net>
Subject: Re: scanners and police
Date: 1996/10/28
Message-ID: <327474C9.613C@lightspeed.net>#1/1
X-Deja-AN: 193042301
references: <199610270620.BAA08441@anon.lcs.mit.edu>
content-type: text/plain; charset=us-ascii
mime-version: 1.0
newsgroups: aus.electronics,sci.electronics,rec.ham-radio
x-mailer: Mozilla 2.02E-KIT  (Win16; U)


bad_mf wrote:
>
> I am thinking about buying a scanner (probably an AOR AR1000 or other
> low-end AOR, or maybe one of the more expensive ones, if I think it will
> be worth it) to listen in on police and cellular phones.
>
> I am in Australia.
>
> I am wondering about the system used by police between the cars and the
> base to communicate. While in a police car once (don't ask), I got the
> impression that the base could speak to any car directly, without the
> other cars hearing their transmissions. How would I listen in on all the
> cars, if this is the case?
>
> Also, it seems that the cellular frequencies are often disabled on these
```

> scanners. How do I un-disable them? I am handy with a soldering iron, but
> not-so handy with anything to do with RF.
>
> Thanks in advance.....As far as only being able to talk to one at a time, generally they use
different channels or the patrolman's receiver could be actuated when it
receives a particular subaudible tone from base and only those with that
tone programmed in would receive the message. A scanner wouldn't care
about the tones so you would receive everything.

```
From 4740084206539886970
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,7c4e865eb41ad869
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fc8b1,7c4e865eb41ad869
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,7c4e865eb41ad869
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
From: "jhumphry" <jhumphry@gte.net>
Subject: Re: Ham Gear for Sale....
Date: 1996/10/29
Message-ID: <01bbc549$dea72100$2d2c2299@jimhump.seanet.com>#1/1
X-Deja-AN: 192788847
references: <MPG.cc886338ade4d1f98968e@news.zippo.com>
<3261EF43.3017@no.spam.please> <3264FF0D.41C6@pactitle.com>
content-type: text/plain; charset=ISO-8859-1
organization: homeuser
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatancho
rs,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.r
adio.swap
```

I would sure miss her, but not as much as the hamming! If she is telling
you what to do now, you have nowhere to go but down. Good Luck NO7T

```
Dave Booth <booth@pactitle.com> wrote in article
<3264FF0D.41C6@pactitle.com>...
> Ramon Gandia wrote:
> >
> > Jim Roberson wrote:
> > >
> > > I have the following Ham Gear FOR SALE....
> > >
> > > Kenwood TS-450AT
> > > Henry 2k-4 Console Amp.
> > > Reason for selling is that I just got married a few months ago and
> > > either the Ham Gear or me go.
> >
> > Jim:
> >
> Hummm........
>
>
> By my new wife!!!!!!!!!!!
> Dave Booth kc6wfs
> http://www.geocities.com/Hollywood/5860/
>



From 524312381488961752
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d5de012b8703af7c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 103407,d5de012b8703af7c
X-Google-Attributes: gid103407,public
X-Google-Thread: 105d97,d5de012b8703af7c
X-Google-Attributes: gid105d97,public
From: "H. Leon Raper" <hlr@raper.com>
Subject: Re: scanners and police
Date: 1996/10/29
Message-ID: <327613F5.7054@raper.com>#1/1
X-Deja-AN: 192973694
references: <199610270620.BAA08441@anon.lcs.mit.edu>
content-type: text/plain; charset=us-ascii
organization: Raper Enterprises, Inc.
mime-version: 1.0
reply-to: hlr@raper.com
newsgroups: aus.electronics,sci.electronics,rec.ham-radio
x-mailer: Mozilla 3.0Gold (Win95; I)


bad_mf wrote:
>
> I am thinking about buying a scanner (probably an AOR AR1000 or other
> low-end AOR, or maybe one of the more expensive ones, if I think it will
> be worth it) to listen in on police and cellular phones.
```

>
> I am in Australia.
>
> I am wondering about the system used by police between the cars and the
> base to communicate. While in a police car once (don't ask), I got the
> impression that the base could speak to any car directly, without the
> other cars hearing their transmissions. How would I listen in on all the
> cars, if this is the case?
>
> Also, it seems that the cellular frequencies are often disabled on these
> scanners. How do I un-disable them? I am handy with a soldering iron, but
> not-so handy with anything to do with RF.
>
> Thanks in advance.....

You are in the wrong news group. Hopefully the hams or newcommers to
ham radio in this news group have enough good sense to not answer your
questions.

H. Leon Raper
W7TPQ

From 1022797282328662116
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8b92a1f0489bf1cb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,8b92a1f0489bf1cb,start
X-Google-Attributes: gidfa029,public
From: doc@dxnet.com (Anthony O. Cardenas ~ WA6IGJ)
Subject: Re: Strong magnetic speaker, is it harmful?
Date: 1996/10/29
Message-ID: <3276919c.12699813@news.dxnet.com>#1/1
X-Deja-AN: 193027971
distribution: world
references: <326cd4be.1689002@news.jaring.my>
organization: Microserve Information Systems (800)-380-INET
reply-to: doc@dxnet.com
newsgroups: rec.radio.scanner,rec.ham-radio

Snipped to fit... (imported from somewhere else)...

On Tue, 22 Oct 1996 14:46:58 GMT, mjane@pl.jaring.my (Wong) wrote:
>Some phones have very strong magnetic speaker and I was wondering it
>will cause any harmful effect to our health?
>It is so strong that it can lift up a thumb clip.
>Can anyone who know please elaborate on it. Thank you.

MJane!

I've never considered it, but now that you've mentioned it, WOW!...

This evening after my long commute to and from work, I'm taking a chisel and hammer to my SIX BOSE SPEAKERS, located ALL AROUND ME, in front of me, next to me in the door panels and rest assured, I won't forget that pair BEHIND me either! They all must go!

Monday I am mounting a expedition, I want you to be in charge, to both the North Pole and South to dig-up those damned BIG MAGNETS the DEMOCRATS burried lo those many years ago, used to keep all races POLARIZED!

Our plan is to MOVE those magnets to the Moon. Now, here on Earth, one simply tosses a empty can into the air and Zap!, the can is on it's way to a crater and half of our ecology problem is solved!

MJane, please don't forget the MAGNETS on your REFRIGERATOR DOOR because they were placed there to 'get' your FOOD! 'Oh Damned!... The MICROWAVE's gotta' go too! No Microwaves without a HUGE MAGNET!

Be advised, our next Newsletter reveals that DENTISTS are part of 'the plan' too! Dentists have placed tons of SILVER fillings in our heads, because it's a well known fact that Silver is one of the BEST CONDUCTORS in the World(!)... thus assuring each of us would RECEIVE "MAXIMUM MAGNETIC PULL" ("MMP") right UP to our BRAINS, 24-hours a day! ARGGGG!

Warn everyone now! Don't go to any more LARGE STORES either! They exposing our BODIES to known QUANTITIES of PHOTONS, measured at MICROWAVES(!), all part of 'the evil ploy' and cleverly disguised as: AUTOMATIC DOOR OPENERS! But the trick is, if you must go, Let someone YOU DON'T LIKE go in first! You RUSH in - BEFORE the door closes.

MJane, these are all FACTS, each proven by utilizing the well known method where we place our arms out even with the horizon and spin round-and-round-and-round, until we actually CANCEL the evil Magnetic Influence by spinning FASTER than the Gravitational Pull! Very similar to the PULL I am placing on your leg now. Notice when one STOPS how everything now MOVES on it's own? This is how life REALLY IS, but soon, the magnets will all have their way.

Your Uncle T.
WA6IGJ

```
From 7617989967670745002
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4eac6f6d386b2df4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11bb60,4eac6f6d386b2df4
X-Google-Attributes: gid11bb60,public
```

X-Google-Thread: 107ada,4eac6f6d386b2df4
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa029,4eac6f6d386b2df4
X-Google-Attributes: gidfa029,public
From: Chris <n9hyn@ntslink.net>
Subject: Re: Receiving traffic helicopter signals?
Date: 1996/10/29
Message-ID: <3276021B.DB9@ntslink.net>#1/1
X-Deja-AN: 193164020
references: <3268DD1E.4685@pobox.com>
content-type: text/plain; charset=us-ascii
organization: CU Online -- Your one stop Internet provider!
mime-version: 1.0
newsgroups: rec.ham-radio,,ec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.scanner
x-mailer: Mozilla 3.0Gold (Win95; I)

As far as recieving from the helecopters, first thing you have to find out what frequency band they are operating in. Usually they are near the MDS (1900-2200 MHz), or they may be in the 7GHz band. They may either have syncronous antennas which track the recieving site or they may run omni and the recieving site tracks the transmitted signal. Their power is usually under 15 watts, and being microwave it IS line of sight. The video modulation is FM as are the audio carriers, usually 6.2 and 6.8 MHz, some have special subcarriers for other data. Basiclly they use the same equipment as the ENG trucks on the street and have to share the same 2 bands with them.

From 2144974712269454982
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f696e9a4e94603e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,9f696e9a4e94603e,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,9f696e9a4e94603e,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 107ada,9f696e9a4e94603e,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,9f696e9a4e94603e,start
X-Google-Attributes: gidfa656,public
From: "George" <gepley@tfs.com>
Subject: Radio Shack 202 Handheld 4- sale
Date: 1996/10/30
Message-ID: <01bbc671$e63bbf60$13dc02cf@default>#1/1
X-Deja-AN: 193205717
organization: TFSnet Online Services
newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap

Hello
I have a Radio Shack 202 HT for sale.It comes with 3 battery packs,a mic,a case,a charger,and has 4 years left on the warranty.This radio looks like new and works great.Asking $150.00 plus $15.00 for shipping.Please contact me at my e-mail address if you are looking for a great radio...

gepley@tfs.net

From 8866443303267370425
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc8b1,7c4e865eb41ad869
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,7c4e865eb41ad869
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,7c4e865eb41ad869
X-Google-Attributes: gid107ada,public
From: nrhblack@condate.com <nrhblack@condate.com>
Subject: RE: Ham Gear for Sale....
Date: 1996/10/30
Message-ID: <01bbc693.6d3802a0$66edae8c@nrhblack.datatamers.com>#1/1
X-Deja-AN: 193247013
references: <MPG.cc886338ade4d1f98968e@news.zippo.com> <3261EF43.3017@no.spam.please> <3264FF0D.41C6@pactitle.com> <5434en$ke0@krypto.zippo.com> <mwhite-1710961335190001@m14494-mac.mitre.org> <54ih35$btt@ssbunews.ih.lucent.com>
organization: condate
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

> In article <mwhite-1710961335190001@m14494-mac.mitre.org>,
mwhite@mitre.org (Michael White) writes:
> |> > Reason for selling is that I just got married a few months ago and
> |> > either the Ham Gear or me go.
> |> "Yeah, my wife said she'd leave me if I didn't get off the radio.
Over."
>

It doesn't have to be an either/or thing. . .
Put the ham gear in storage until you decide to leave.

Henry KK6JR, G4NOC
Been there, done that, really.

From 9449340750927589111
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fb42db89240aaca0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9270,fb42db89240aaca0,start
X-Google-Attributes: gidf9270,public
X-Google-Thread: 1031c8,fb42db89240aaca0,start
X-Google-Attributes: gid1031c8,public
From: vgrajeda@morelia.teesa.com
Subject: WTB: Videocipher II decoder modules
Date: 1996/10/30
Message-ID: <558ds0$dm0@lex.zippo.com>#1/1
X-Deja-AN: 193377377
organization: Zippo
newsgroups: rec.ham-radio,rec.video,rec.radio.amateur.swap

I need 120 videocipher II decoder modules, if You have one or more, let me
know, thanks,
vgrajeda@morelia.teesa.com

From 5443767945362275695
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8b92a1f0489bf1cb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,8b92a1f0489bf1cb
X-Google-Attributes: gidfa029,public
From: KuoH <KuoH@aol.com>
Subject: Re: Strong magnetic speaker, is it harmful?
Date: 1996/10/30
Message-ID: <3277BE19.5282@aol.com>#1/1
X-Deja-AN: 193429535
references: <326cd4be.1689002@news.jaring.my> <3276919c.12699813@news.dxnet.com>
content-type: text/plain; charset=us-ascii
organization: Duosoft
mime-version: 1.0
newsgroups: rec.radio.scanner,rec.ham-radio
x-mailer: Mozilla 2.02 (Win16; I)

Anthony O. Cardenas ~ WA6IGJ wrote:

> MJane, these are all FACTS,   each proven by utilizing the well known
> method where we place our arms out even with the horizon and spin
> round-and-round-and-round, until we actually CANCEL the evil
> Magnetic Influence by spinning FASTER than the Gravitational Pull!
> Very similar to the PULL I am placing on your leg now. Notice when
> one STOPS how everything now MOVES on it's own?   This is how life
> REALLY IS, but soon, the magnets will all have their way.
>
> Your Uncle T.
> WA6IGJ

lol....and don't forget to wear the lead lined vest and welders mask while reading this message at the
computer, unless you want to let the monitor's radiation convert your body into a giant sized burrito!

I took out the left side speakers the other day, and damned if the car didn't start pulling to the right!

KuoH

```
From -2468180460444212972
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6808f3514a254a0d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ad04,6808f3514a254a0d,start
X-Google-Attributes: gid10ad04,public
X-Google-Thread: 10e3fc,6808f3514a254a0d,start
X-Google-Attributes: gid10e3fc,public
X-Google-Thread: 107ada,6808f3514a254a0d,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa029,6808f3514a254a0d,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 162a40,6808f3514a254a0d,start
X-Google-Attributes: gid162a40,public
X-Google-Thread: 1009ad,6808f3514a254a0d,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 100ad4,6808f3514a254a0d,start
X-Google-Attributes: gid100ad4,public
From: cheshire@ridgecrest.ca.us (Dr Pepper)
Subject: Re: HF aviation listening
Date: 1996/11/04
Message-ID: <327e64d7.21455737@news.ridgecrest.ca.us>#1/1
X-Deja-AN: 194386063
references: <Pine.OSF.3.91.961104180908.2489B-100000@alfa.ist.utl.pt>
content-type: text/plain; charset=us-ascii
organization: The Scannerist
mime-version: 1.0
newsgroups:
rec.aviation.simulators,alt.radio.scanner,rec.aviation.misc,rec.radio.amateur.misc
```

```
,rec.radio.scanner,rec.radio.broadcast,rec.radio.aeronatics,rec.ham-
radio,rec.aviation.simulators


On Mon, 4 Nov 1996 18:15:36 +0000, Andre Brandao
<l42303@alfa.ist.utl.pt> wrote:

>Hi
>  Im doing a Windows program for travking planes but I have a problem:
>Does anyone know a site on the web where I could find a list of VOR,
>NDB and positions for air traffic?
>  I have searched for a long time bt I couldnt find it.
>  If you know anything about this please email me.
>
>
> Thank you very much, Andre Brandao,
>
>        *****************************************
>        *                                       *
>        *  Andre Brandao                        *
>        *  E-mail: l42303@alfa.ist.utl.pt       *
>        *      or  acrbb@camoes.rnl.ist.utl.pt  *
>        *                                       *
>        *****************************************
>
If you go to a local airport, they usually have
outdated aeronautical charts they will give you
FREE.  The charts will give you all the information
you need :-}

Dr Pepper
10 - 2 - 4
Good Anytime




From -3709792993829852328
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6808f3514a254a0d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 100ad4,6808f3514a254a0d
X-Google-Attributes: gid100ad4,public
X-Google-Thread: 1009ad,6808f3514a254a0d
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 10ad04,6808f3514a254a0d
X-Google-Attributes: gid10ad04,public
X-Google-Thread: 107ada,6808f3514a254a0d
X-Google-Attributes: gid107ada,public
X-Google-Thread: 162a40,6808f3514a254a0d
X-Google-Attributes: gid162a40,public
X-Google-Thread: 10e3fc,6808f3514a254a0d
X-Google-Attributes: gid10e3fc,public
X-Google-Thread: fa029,6808f3514a254a0d
```

X-Google-Attributes: gidfa029,public
From: Andre Brandao <l42303@alfa.ist.utl.pt>
Subject: HF aviation listening
Date: 1996/11/04
Message-ID: <Pine.OSF.3.91.961104180908.2489B-100000@alfa.ist.utl.pt>#1/1
X-Deja-AN: 194587182
organization: Instituto Superior Tecnico
content-type: TEXT/PLAIN; charset=US-ASCII
mime-version: 1.0
newsgroups:
rec.aviation.simulators,alt.radio.scanner,rec.aviation.misc,rec.radio.amateur.misc
,rec.radio.scanner,rec.radio.broadcast,rec.radio.aeronatics,rec.ham-
radio,rec.aviation.simulators

Hi
  Im doing a Windows program for travking planes but I have a problem:
Does anyone know a site on the web where I could find a list of VOR,
NDB and positions for air traffic?
  I have searched for a long time bt I couldnt find it.
  If you know anything about this please email me.

 Thank you very much, Andre Brandao,

```
        *****************************************
        *                                       *
        *  Andre Brandao                        *
        *  E-mail: l42303@alfa.ist.utl.pt       *
        *      or  acrbb@camoes.rnl.ist.utl.pt  *
        *                                       *
        *****************************************
```

From 7598907317765397061
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6808f3514a254a0d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,6808f3514a254a0d
X-Google-Attributes: gid107ada,public
X-Google-Thread: 100ad4,6808f3514a254a0d
X-Google-Attributes: gid100ad4,public
X-Google-Thread: 162a40,6808f3514a254a0d
X-Google-Attributes: gid162a40,public
X-Google-Thread: 1009ad,6808f3514a254a0d
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 10e3fc,6808f3514a254a0d
X-Google-Attributes: gid10e3fc,public
X-Google-Thread: 10ad04,6808f3514a254a0d
X-Google-Attributes: gid10ad04,public
X-Google-Thread: fa029,6808f3514a254a0d

```
X-Google-Attributes: gidfa029,public
From: Dave Burr <dtburr@mcs.com>
Subject: Re: HF aviation listening
Date: 1996/11/05
Message-ID: <327F84F9.6FC7@mcs.com>#1/1
X-Deja-AN: 194669519
references: <Pine.OSF.3.91.961104180908.2489B-100000@alfa.ist.utl.pt>
<327e64d7.21455737@news.ridgecrest.ca.us>
content-type: text/plain; charset=us-ascii
organization: MCSNet Services
mime-version: 1.0
newsgroups:
rec.aviation.simulators,alt.radio.scanner,rec.aviation.misc,rec.radio.amateur.misc
,rec.radio.scanner,rec.radio.broadcast,rec.radio.aeronatics,rec.ham-
radio,rec.aviation.simulators
x-mailer: Mozilla 2.0 (Win95; I)
```

Dr Pepper wrote:

```
>
> On Mon, 4 Nov 1996 18:15:36 +0000, Andre Brandao
> <l42303@alfa.ist.utl.pt> wrote:
>
> >Hi
> >  Im doing a Windows program for travking planes but I have a problem:
> >Does anyone know a site on the web where I could find a list of VOR,
> >NDB and positions for air traffic?
> >  I have searched for a long time bt I couldnt find it.
> >  If you know anything about this please email me.
> >
> >
> > Thank you very much, Andre Brandao,

> If you go to a local airport, they usually have
> outdated aeronautical charts they will give you
> FREE.  The charts will give you all the information
> you need :-}Andre:
```

I assume that you want some sort of comprehensive listing as opposed to trying to gather dozens of old sectionals (by visiting airports across the country) and transcribing info from the sectional to some kind of database.

Almost all of the lower-end flight planning programs I've seen access a simple ASCII file for lat/lon info on VORs and airports. If I were doing a program I would just take one of these files and use it for my reference file. NAV4 is one such program, and you should be able to grab that at any aviation site or in the aviation forum on CompuServe. Just for grins, I might try the FAA's web site because there are several databases there and you might get lucky.

Good luck.

```
From 8836922955139705954
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd08002df072a200
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fbcc0,cd08002df072a200
X-Google-Attributes: gidfbcc0,public
X-Google-Thread: 11654e,cd08002df072a200
X-Google-Attributes: gid11654e,public
X-Google-Thread: 109c0d,cd08002df072a200
X-Google-Attributes: gid109c0d,public
X-Google-Thread: f76e2,cd08002df072a200
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,cd08002df072a200
X-Google-Attributes: gidfa656,public
X-Google-Thread: fbdd0,cd08002df072a200
X-Google-Attributes: gidfbdd0,public
X-Google-Thread: 1109af,cd08002df072a200
X-Google-Attributes: gid1109af,public
From: Dave Booth <booth@pactitle.com>
Subject: Re: Garage Sale Web Page....
Date: 1996/11/05
Message-ID: <327F800E.41C6@pactitle.com>#1/1
X-Deja-AN: 194672575
references: <327E483F.3CB1@HIWAAY.net>
to: olson@HIWAAY.net
content-type: text/plain; charset=us-ascii
organization: KC6WFS
mime-version: 1.0
newsgroups: rec.ham-radio.swap,rec.radio.swap,rec.radio.amateur,rec.ham-
radio,ingr.forsale,hsv.forsale,rec.models.rc.air,misc.forsale,alt.forsale
x-mailer: Mozilla 3.0 (X11; U; IRIX 5.3 IP19)


Rick Olson wrote:
>
> Things for sale!!! Updated Frequently....
>
> HTTP://fly.hiwaay.net/~olson/garage.html

I'll go check it out!
http://www.geocities.com/Hollywood/5860/
--
Dave Booth kc6wfs




From 5554240312244117373
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,670b84295a9be0ef,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,670b84295a9be0ef,start
```

```
X-Google-Attributes: gid1109af,public
X-Google-Thread: 108abf,670b84295a9be0ef,start
X-Google-Attributes: gid108abf,public
X-Google-Thread: 112d4a,670b84295a9be0ef,start
X-Google-Attributes: gid112d4a,public
X-Google-Thread: 10c2ee,670b84295a9be0ef,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fc8b1,670b84295a9be0ef,start
X-Google-Attributes: gidfc8b1,public
From: "Loek d'Hont" <ldhont@ti.com>
Subject: Looking for Collins mehanical filter
Date: 1996/11/08
Message-ID: <01bbcd2e$ec874ba0$082ca8c0@A0927429.itg.ti.com>#1/1
X-Deja-AN: 195213987
organization: Texas Instruments
newsgroups:
alt.military.collecting,rec.antiques.radio+phono,rec.aviation.military,rec.ham-
radio,rec.radio.amateur.boatanchors,rec.radio.swap


Does any-one know a source for Collins mechanical filter?

I am looking for a 450 kHz LSB filter from the Collins "FA" series
(the narrow one is preferred but 4 Khz is also OK)

Thanks,

Loek d'Hont   LDHONT@ti.com




From 2273921302833798 71
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,670b84295a9be0ef
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,670b84295a9be0ef
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fc8b1,670b84295a9be0ef
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 108abf,670b84295a9be0ef
X-Google-Attributes: gid108abf,public
X-Google-Thread: 112d4a,670b84295a9be0ef
X-Google-Attributes: gid112d4a,public
X-Google-Thread: 1109af,670b84295a9be0ef
X-Google-Attributes: gid1109af,public
From: ad058@sfn.saskatoon.sk.ca (TIMOTHY GUEGUEN)
Subject: Re: Looking for Collins mehanical filter
Date: 1996/11/08
Message-ID: <55uk2v$i8f@tribune.usask.ca>#1/1
X-Deja-AN: 195228765
references: <01bbcd2e$ec874ba0$082ca8c0@A0927429.itg.ti.com>
followup-to:
alt.military.collecting,rec.antiques.radio+phono,rec.aviation.military,rec.ham-
```

radio,rec.radio.amateur.boatanchors,rec.radio.swap
organization: Saskatoon Free-Net
newsgroups:
alt.military.collecting,rec.antiques.radio+phono,rec.aviation.military,rec.ham-radio,rec.radio.amateur.boatanchors,rec.radio.swap

Loek d'Hont (ldhont@ti.com) wrote:
: Does any-one know a source for Collins mechanical filter?

: I am looking for a 450 kHz LSB filter from the Collins "FA" series
: (the narrow one is preferred but 4 Khz is also OK)

: Thanks,

: Loek d'Hont   LDHONT@ti.com
You should try asking on the various ham/amateur groups, as well as rec.radio.shortwave. There's sure to be people on there who will know of sources of Collins parts. Many amateurs and shortwave listeners still use Collins gear such as the R390, 51S1 and "S Line" ham gear.

tim gueguen ad058@sfn.saskatoon.sk.ca

From 7911195419341442979
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6808f3514a254a0d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,6808f3514a254a0d
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 10e3fc,6808f3514a254a0d
X-Google-Attributes: gid10e3fc,public
X-Google-Thread: 107ada,6808f3514a254a0d
X-Google-Attributes: gid107ada,public
X-Google-Thread: 162a40,6808f3514a254a0d
X-Google-Attributes: gid162a40,public
X-Google-Thread: 100ad4,6808f3514a254a0d
X-Google-Attributes: gid100ad4,public
X-Google-Thread: 10ad04,6808f3514a254a0d
X-Google-Attributes: gid10ad04,public
X-Google-Thread: fa029,6808f3514a254a0d
X-Google-Attributes: gidfa029,public
From: "Jason Webb" <radar@genesis.ispace.com>
Subject: Re: HF aviation listening
Date: 1996/11/08
Message-ID: <01bbcd54$78e45f00$53fe95cc@ispace.com.ispace.net>#1/1
X-Deja-AN: 195247185
references: <Pine.OSF.3.91.961104180908.2489B-100000@alfa.ist.utl.pt>
newsgroups:
rec.aviation.simulators,alt.radio.scanner,rec.aviation.misc,rec.radio.amateur.misc,rec.radio.scanner,rec.radio.broadcast,rec.radio.aeronatics,rec.ham-radio,rec.aviation.simulators

Try the www site:
http://www.cc.gatech.edu/db1/airport-info.html
this site will allow you to search for any airports info in the us

Andre Brandao <l42303@alfa.ist.utl.pt> wrote in article
<Pine.OSF.3.91.961104180908.2489B-100000@alfa.ist.utl.pt>...
> Hi
>   Im doing a Windows program for travking planes but I have a problem:
> Does anyone know a site on the web where I could find a list of VOR,
>
>

From 1123204601122554961
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f4535,822a7b846e241573
X-Google-Attributes: gidf4535,public
X-Google-Thread: 10c9e3,822a7b846e241573
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,822a7b846e241573
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fda75,822a7b846e241573
X-Google-Attributes: gidfda75,public
X-Google-Thread: f76e2,822a7b846e241573
X-Google-Attributes: gidf76e2,public
From: perreau2 <perreau2@pilot.msu.edu>
Subject: Re: FS: 1 Pair of 6146B's - $18 for the Pair
Date: 1996/09/28
Message-ID: <52i936$uml@msunews.cl.msu.edu>#1/1
X-Deja-AN: 185810864
references: <520its$97c@news1.io.org>
to: bmoore@io.org
content-type: text/plain; charset=us-ascii
x-msunetid: perreau2
organization: Michigan State University
mime-version: 1.0
newsgroups: torfree.for-sale,rec.ham-radio,rec.ham-radio.swap,rec.audio.tubes,rec.antiques.radio+phono
x-mailer: Mozilla 1.22 (Windows; I; 16bit)

I'll bid $10.00 U.S. + shipping

From 4101907774502522657
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f4535,822a7b846e241573
X-Google-Attributes: gidf4535,public

```
X-Google-Thread: 10c9e3,822a7b846e241573
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,822a7b846e241573
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: f76e2,822a7b846e241573
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fda75,822a7b846e241573
X-Google-Attributes: gidfda75,public
From: perreau2 <perreau2@pilot.msu.edu>
Subject: Re: FS: 1 Pair of 6146B's - $18 for the Pair
Date: 1996/09/28
Message-ID: <52i93u$uml@msunews.cl.msu.edu>#1/1
X-Deja-AN: 185810868
references: <520its$97c@news1.io.org>
to: bmoore@io.org
content-type: text/plain; charset=us-ascii
x-msunetid: perreau2
organization: Michigan State University
mime-version: 1.0
newsgroups: torfree.for-sale,rec.ham-radio,rec.ham-
radio.swap,rec.audio.tubes,rec.antiques.radio+phono
x-mailer: Mozilla 1.22 (Windows; I; 16bit)


I'll bid $10.00 U.S. + shippingbmoore@io.org (Barry Moore) wrote:
>I have a pair of 6146B Final tubes for sale.  Worked fine when removed
>from service.  I no longer own the transmitter they came from, so the
>tubes are for sale.
>
>$18US + shipping.
>
>Reply by email to bmoore@io.org
>
>Regards.... BM
>





From -9188830090712992163
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f4535,822a7b846e241573
X-Google-Attributes: gidf4535,public
X-Google-Thread: 10c9e3,822a7b846e241573
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,822a7b846e241573
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fda75,822a7b846e241573
X-Google-Attributes: gidfda75,public
X-Google-Thread: f76e2,822a7b846e241573
X-Google-Attributes: gidf76e2,public
From: bmoore@io.org (Barry Moore)
```

Subject: FS: 1 Pair of 6146B's - $18 for the Pair
Date: 1996/09/28
Message-ID: <52j1od$es7@news1.io.org>#1/1
X-Deja-AN: 185820600
organization: Internex Online (io.org), Toronto, Ontario, Canada
newsgroups: torfree.for-sale,rec.ham-radio,rec.ham-radio.swap,rec.audio.tubes,rec.antiques.radio+phono

I have a pair of 6146B Final tubes for sale. Worked fine when removed from service. I no longer own the transmitter they came from, so the tubes are for sale.

$18US + shipping.

Reply by email to bmoore@io.org

Regards.... BM

From 6700549944015120350
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bfc79fb414552bc,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7bfc79fb414552bc,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 1109af,7bfc79fb414552bc,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,7bfc79fb414552bc,start
X-Google-Attributes: gid107ada,public
From: "Mark A. Vargas" <mvargas@worldnet.att.net>
Subject: FS Icom RC-71A/SP-3/RC-11/QF1A
Date: 1996/09/28
Message-ID: <01bbad5f$a39267c0$abd446c7@mark>#1/1
X-Deja-AN: 185857540
content-type: text/plain; charset=ISO-8859-1
organization: Broadcast International Group
mime-version: 1.0
newsgroups: rec.ham-radio,rec.radio.amateur.misc,rec.radio.shortwave,rec.radio.swap

I have an Icom IC-R71A Short-wave receiver for sale with matching Icom IC-SP3 external speaker and Icom RC-11 remote control. I am also including the Autek research QF1A SSB/CW/AM filter.

Condition of this RC71A is exceptional. No Blemishes scratches etc. Speaker and peripherals are like new including the QF1A from Autek research.

The Icom IC-R71A covers 100Khz-30 Mhz
100Db of dynamic range

Passband Tuning
Adjustable notch filter
Level and pulse width
Selectable noise blanker
Selectable AGC
Filter switches
Keyboard frequency entry
SSb--AM--CW--RTTY and optional FM
32 memory channels
optional CW narrow filters

The Package price is $775.00 Transaction via UPS COD. {Free shipping UPS COD via UPS regular to CONUS}
Package only it is not being broken up.

Mark
KD2DI

From 2549268901021304311
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,799fda3cd01d6fe2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,799fda3cd01d6fe2,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f64c6,799fda3cd01d6fe2,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 115af6,799fda3cd01d6fe2,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: fa656,799fda3cd01d6fe2,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,799fda3cd01d6fe2,start
X-Google-Attributes: gidf76e2,public
From: mmss@mmss.sdi.agate.net (Paul N. Kelley)
Subject: DX, WAS, EME Software
Date: 1996/10/02
Message-ID: <52sg5u$19a@service-2.agate.net>#1/1
X-Deja-AN: 186598611
organization: Agate Internet Services (AIS)
newsgroups: rec.ham-radio,rec.radio,swap,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.misc,uk.radio.amateur

Ham Software:

DX-Finder 1.5
DXCC Country, CQ and ITU zones, continent, beam heading, distance instantly for any callsign (even unusual / special prefixes).

WAS Manager 1.0
Worked All States mapping database. Full color WAS maps, keeps track of states worked and states confirmed band-by-band 160m to 10 GHz.

Z-Track 3.06
Users say simply the best EME program available today.

Complete details and screen snapshots at:
     http://www.agate.net/~mmss.mmss.html

From 778285152177083781
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,799fda3cd01d6fe2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f64c6,799fda3cd01d6fe2
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fa656,799fda3cd01d6fe2
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,799fda3cd01d6fe2
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,799fda3cd01d6fe2
X-Google-Attributes: gid107ada,public
X-Google-Thread: 115af6,799fda3cd01d6fe2
X-Google-Attributes: gid115af6,public
From: "T. Wolfe" <taswolf@iw.net>
Subject: Re: DX, WAS, EME Software
Date: 1996/10/02
Message-ID: <3252E92E.265B@iw.net>#1/1
X-Deja-AN: 186782937
references: <52sg5u$19a@service-2.agate.net>
content-type: text/plain; charset=us-ascii
organization: Corporate Communications
mime-version: 1.0
newsgroups: rec.ham-radio,rec.radio,swap,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.misc,uk.radio.amateur
x-mailer: Mozilla 2.01KIT (Win95; U)

Paul N. Kelley wrote:
>
> Ham Software:

> Complete details and screen snapshots at:
>   http://www.agate.net/~mmss.mmss.html

Paul, I couldn't get there. Are you sure you posted
the right address???

From 1229945447965419958
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: f4535,61d365f2c39a8193,start
X-Google-Attributes: gidf4535,public
X-Google-Thread: 10c9e3,61d365f2c39a8193,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fda75,61d365f2c39a8193,start
X-Google-Attributes: gidfda75,public
X-Google-Thread: f76e2,61d365f2c39a8193,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10c2ee,61d365f2c39a8193,start
X-Google-Attributes: gid10c2ee,public
From: bmoore@io.org (Barry Moore)
Subject: FS: Vintage 1935-1936 Signal Training Manuals
Date: 1996/10/03
Message-ID: <5309ce$6t0@news1.io.org>#1/1
X-Deja-AN: 186921121
organization: Internex Online (io.org), Toronto, Ontario, Canada
newsgroups: torfree.for-sale,rec.ham-radio,rec.ham-
radio.swap,rec.audio.tubes,rec.antiques.radio+phono
```

I have a set Vol 1 & 2 of Canadian Air Force Signal Training Manuals
that were used to train Radio/Radar Techs in WW2. Covers are in poor
condition... all pages intact... and handwritten notes throughout.

Very detailed treatment of electromagnetic theory, Field Theory,
AC Circuits, Tubes, Oscillators, Receivers, Transmitters, Antennas,
Wireless Transmission Phenomena, Direction Finding,
Batteries & Power Supplies

$10 O.B.O. + Shipping if required

Reply by email

Regards.... BM

```
From 8708535878772014159
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f4535,7c2ae72408df3fa,start
X-Google-Attributes: gidf4535,public
X-Google-Thread: 10c9e3,7c2ae72408df3fa,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,7c2ae72408df3fa,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: f76e2,7c2ae72408df3fa,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fda75,7c2ae72408df3fa,start
X-Google-Attributes: gidfda75,public
From: bmoore@io.org (Barry Moore)
Subject: FS: 1 Pair of 6146B's - $18 for the Pair
Date: 1996/10/03
```

Message-ID: <5309h9$6t0@news1.io.org>#1/1
X-Deja-AN: 186921124
organization: Internex Online (io.org), Toronto, Ontario, Canada
newsgroups: torfree.for-sale,rec.ham-radio,rec.ham-radio.swap,rec.audio.tubes,rec.antiques.radio+phono

I have a pair of 6146B Final tubes for sale. Worked fine when removed from service. I no longer own the transmitter they came from, so the tubes are for sale.

$18US + shipping.

Reply by email to bmoore@io.org

Regards.... BM

From 8542101374987323882
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f4535,7c2ae72408df3fa
X-Google-Attributes: gidf4535,public
X-Google-Thread: 10c9e3,7c2ae72408df3fa
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,7c2ae72408df3fa
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10c2ee,7c2ae72408df3fa
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fda75,7c2ae72408df3fa
X-Google-Attributes: gidfda75,public
From: bmoore@io.org (Barry Moore)
Subject: FS: 1 Pair of 6146B's - $18 for the Pair
Date: 1996/10/07
Message-ID: <53au3l$m78@news1.io.org>#1/1
X-Deja-AN: 187311561
organization: Internex Online (io.org), Toronto, Ontario, Canada
newsgroups: torfree.for-sale,rec.ham-radio,rec.ham-radio.swap,rec.audio.tubes,rec.antiques.radio+phono

I have a pair of 6146B Final tubes for sale. Worked fine when removed from service. I no longer own the transmitter they came from, so the tubes are for sale.

$18US + shipping.

Reply by email to bmoore@io.org

Regards.... BM

From -7663849162643728391
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aa2f8cd4512baf2d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105955,aa2f8cd4512baf2d,start
X-Google-Attributes: gid105955,public
X-Google-Thread: fddbf,aa2f8cd4512baf2d,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fcc6e,aa2f8cd4512baf2d,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,aa2f8cd4512baf2d,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f7653,aa2f8cd4512baf2d,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: f84e8,aa2f8cd4512baf2d,start
X-Google-Attributes: gidf84e8,public
X-Google-Thread: f76e2,aa2f8cd4512baf2d,start
X-Google-Attributes: gidf76e2,public
From: "vigilant" <vigilant@cetlink.net>
Subject: Help Please....NEET
Date: 1996/10/07
Message-ID: <01bbb4a4$ec744660$bc681fce@mjs>#1/1
X-Deja-AN: 187430699
organization: MJS Enterprises
newsgroups: att.ham-radio,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

-- Hi, Can any of you help me? I spent 6 years in the US Navy and got most of the NEET series books.   I need the following Navy Electricity and Electronics Training Series (NEET) manuals to complete my "library" of my navy reference books.......Thankyou in advance for your assistance/help in this matter...

Module 2 Introduction to Alternating Current and Transformers
Module 9 Introduction to Wave-Generation and Wave-Shaping Circuits
Module 10 Introduction to Wave Propogation, Transmission Lines, and Antennas
Module 15 Principles of Synchros, Servos, and Gyros
Module 16 Introduction to Test Equipment
Module 20 Master Glossary and Index
Module 21 Test Methods and Practices

Thanks again and 73.......
Jerry Moore / AE4PB..........

```
From 5508430197151923246
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e1996e661acdf0d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9532,8e1996e661acdf0d,start
X-Google-Attributes: gidf9532,public
X-Google-Thread: f9270,8e1996e661acdf0d,start
X-Google-Attributes: gidf9270,public
From: vgrajeda@morelia.teesa.com
Subject: WTB: Videocipher decoders
Date: 1996/10/07
Message-ID: <53co90$4ut@lex.zippo.com>#1/1
X-Deja-AN: 187965854
organization: Zippo
newsgroups: misc.wanted,rec.ham-radio,rec.video


I need 120 videocipher II decoder modules, If You have one/more, e-mail me,
Thanks,




From 3796873722442381223
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,96ffcfd1e1dd1b41,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,96ffcfd1e1dd1b41,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb8c6,96ffcfd1e1dd1b41,start
X-Google-Attributes: gidfb8c6,public
X-Google-Thread: 11480d,96ffcfd1e1dd1b41,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: f7653,96ffcfd1e1dd1b41,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: fcc6e,96ffcfd1e1dd1b41,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa44d,96ffcfd1e1dd1b41,start
X-Google-Attributes: gidfa44d,public
X-Google-Thread: fc2a5,96ffcfd1e1dd1b41,start
X-Google-Attributes: gidfc2a5,public
From: "Robert Morton" <76524.1450@compuserve.com>
Subject: Software for Radio / DJ's
Date: 1996/10/08
Message-ID: <01bbb4ac$eef181c0$20c989cc@cyberg8t.cyberg8t>#1/1
X-Deja-AN: 187450897
organization: Morton Software
newsgroups: pl.rec.radio,pt.rec.radio.amadorismo,rec.ham-
radio,rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.d
x,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,re
```

c.radio.amateur.space,rec.radio.broa

PRESS RELEASE

Visit http://www.gosupersonic.com to download a fully functional trial version of SuperSonic.
SuperSonic v2.01 is a very poweful and very inexpensive alternative to expensive radio hardware. It can be used to create attended and fully unattended complex audio feeds.
Beta tested on Eagle Radio Networks, SuperSonic is a powerful tool for radio broadcasters, internet audio broadcasters, and amateur/pro disc jockeys.

Morton Software
http://www.gosupersonic.com

```
From -2703724852504660469
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,972e3db17c8bcd38,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,972e3db17c8bcd38,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f84e8,972e3db17c8bcd38,start
X-Google-Attributes: gidf84e8,public
X-Google-Thread: f4306,972e3db17c8bcd38,start
X-Google-Attributes: gidf4306,public
X-Google-Thread: fcc6e,972e3db17c8bcd38,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 105955,972e3db17c8bcd38,start
X-Google-Attributes: gid105955,public
X-Google-Thread: fa656,972e3db17c8bcd38,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,972e3db17c8bcd38,start
X-Google-Attributes: gidf76e2,public
From: "vigilant" <vigilant@cetlink.net>
Subject: Would YOU like to goto Dayton Hamvention 1997?
Date: 1996/10/09
Message-ID: <01bbb583$82bd2e00$d2681fce@mjs>#1/1
X-Deja-AN: 188255246
organization: MJS Enterprises
newsgroups: alt.ham-radio.packet,att.ham-radio,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.r
```

<Picture>

<Picture>***Road Trip To Dayton***<Picture>

The SCARS club is planning a trip to the May 1997 Dayton Hamvention and you can be a part of it (you don't have to be a club member to go).

The trip will include a chartered bus from the Fort Mill / Charlotte area to Dayton, accomodations at Dayton University for 3 nights (May 15th through the 18th), and the hamfest ticket all for only $162.00 !!!

Thats right, you've often heard of the worlds largest hamfest and now you can be a part of all the action, but, you need to respond quickly as we are limited in the number of people that can go so if you are interested, fill out the form below and a member of our club will contact you with all the details.

Just Announced!!!!

The SCARS club will be holding a raffle for 2 complete packages as mentioned above to the Dayton Hamfest as well as $150 in spending cash (or the cash equivalent for non-hams). This raffle is limited to 200 tickets at only $5 each. If you are interested in purchasing a ticket (these will go fast !!!), send e-mail to Jerry Moore (AE4PB) vigilant@cetlink.net

See You In Dayton !!!!!

--
Jerry Moore / AE4PB..........

```
From 6268669452003093955
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,372a188690238238,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9356,372a188690238238,start
X-Google-Attributes: gidf9356,public
X-Google-Thread: f557d,372a188690238238,start
X-Google-Attributes: gidf557d,public
X-Google-Thread: 101306,372a188690238238,start
X-Google-Attributes: gid101306,public
X-Google-Thread: 12f11c,372a188690238238,start
X-Google-Attributes: gid12f11c,public
X-Google-Thread: f8d61,372a188690238238,start
X-Google-Attributes: gidf8d61,public
X-Google-Thread: fed6a,372a188690238238,start
```

X-Google-Attributes: gidfed6a,public
X-Google-Thread: fb13e,372a188690238238,start
X-Google-Attributes: gidfb13e,public
From: "Ross Seltenrich" <rosssel@agt.net>
Subject: Hr 2510 for sale
Date: 1996/10/11
Message-ID: <01bbb71b$00783ae0$LocalHost@rosssel>#1/1
X-Deja-AN: 188673688
organization: AGT Ltd.
newsgroups: dc.ham-radio,de.comm.ham,dnet.ham,hh.hamradio,in.ham-radio,man.ham-radio,rec.ham-radio,rec.ham-radio.misc,rec.ham-radio.swap

I have a Hr2510 for sale with a wilson 1000 mag mount ant. for sale. Has been converted to carry cb freq. but a tech could probally restore to orginal. Also has deluxe astatic noise cancelling mike. Unit freshly teched and working fine. The case is a little worn but other then that ready to go. Price 275.00 Cnd. Shipping ect not included.

reply to rosssel@agt.net if you want it.

From 2999144832948929871
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4e865eb41ad869,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7c4e865eb41ad869,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,7c4e865eb41ad869,start
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1031c8,7c4e865eb41ad869,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fcc6e,7c4e865eb41ad869,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f76e2,7c4e865eb41ad869,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,7c4e865eb41ad869,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,7c4e865eb41ad869,start
X-Google-Attributes: gid107ada,public
From: farmboy@rollanet.org (Jim Roberson)
Subject: Ham Gear for Sale....
Date: 1996/10/11
Message-ID: <MPG.cc886338ade4d1f98968e@news.zippo.com>#1/1
X-Deja-AN: 188877879
sender: farmboy@rollanet.org
organization: Zippo
reply-to: farmboy@rollanet.org
newsgroups: rec.ham-radio,rec.ham-

radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

I have the following Ham Gear FOR SALE....

Kenwood TS-450AT w/ narrow SB Filter and Heil Desk Mic. It's in Mint Condition and works fine. Price: $ 750.00 + shipping

Nye Viking Roller Inductor Tuner Model MB-V-A . Great Shape & Works Fine. Price: $ 400.00 + shipping

Henry 2k-4 Console Amp. Has new transformer. Works Great and Looks just as good. Because of size this is pickup only.... Price: $ 750.00

Reason for selling is that I just got married a few months ago and either the Ham Gear or me go.

Make all replys to:

farmboy@rollanet.org

Thanks for reading....

Jim

```
From -7681979062404301647
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 107ada,7c4e865eb41ad869
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc8b1,7c4e865eb41ad869
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,7c4e865eb41ad869
X-Google-Attributes: gid1031c8,public
From: twhite@digitrix.com (Tony White)
Subject: Re: Ham Gear for Sale....
Date: 1996/10/12
Message-ID: <53oduq$d4u@newshost.cyberramp.net>#1/1
X-Deja-AN: 188971928
```

```
references: <MPG.cc886338ade4d1f98968e@news.zippo.com>
organization: Digitrix Microsystems
newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatancho
rs,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.r
adio.swap


>I have the following Ham Gear FOR SALE....
>
>Kenwood TS-450AT w/ narrow SB Filter and Heil Desk Mic.  It's in
>Mint Condition and works fine.  Price: $ 750.00 + shipping
>
>Nye Viking Roller Inductor Tuner Model MB-V-A .  Great Shape & Works
>Fine.  Price: $ 400.00 + shipping
>
>Henry 2k-4 Console Amp.  Has new transformer.  Works Great and Looks
>just as good.  Because of size this is pickup only....  Price: $ 750.00
>
>Reason for selling is that I just got married a few months ago and
>either the Ham Gear or me go.

I'm sure you'll miss her... :-) :-) :-) :-) :-)




From -1005709772580439O2
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,7c4e865eb41ad869
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,7c4e865eb41ad869
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 107ada,7c4e865eb41ad869
X-Google-Attributes: gid107ada,public
From: subs@ro.com (Casey)
Subject: Re: Ham Gear for Sale....
Date: 1996/10/12
Message-ID: <53otru$jss@news.ro.com>#1/1
X-Deja-AN: 189016585
references: <MPG.cc886338ade4d1f98968e@news.zippo.com>
organization: RENAISSANCE INTERNET SERVICES
newsgroups: rec.ham-radio,rec.ham-
```

radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

farmboy@rollanet.org (Jim Roberson) wrote:

>I have the following Ham Gear FOR SALE....

>Kenwood TS-450AT w/ narrow SB Filter and Heil Desk Mic. It's in
>Mint Condition and works fine. Price: $ 750.00 + shipping

>Nye Viking Roller Inductor Tuner Model MB-V-A . Great Shape & Works
>Fine. Price: $ 400.00 + shipping

>Henry 2k-4 Console Amp. Has new transformer. Works Great and Looks
>just as good. Because of size this is pickup only.... Price: $ 750.00

>Reason for selling is that I just got married a few months ago and
>either the Ham Gear or me go.

>Make all replys to:

>farmboy@rollanet.org

>Thanks for reading....

>Jim

What a wimp. I wouldn't let the door hit her in the butt.

From -2815473355210505301
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,7c4e865eb41ad869
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1031c8,7c4e865eb41ad869
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 107ada,7c4e865eb41ad869
X-Google-Attributes: gid107ada,public
From: Dick Flanagan <dick@merlin.libelle.com>

Subject: Re: Ham Gear for Sale....
Date: 1996/10/12
Message-ID: <32602C7E.3610@merlin.libelle.com>#1/1
X-Deja-AN: 189047389
distribution: world
references: <MPG.cc886338ade4d1f98968e@news.zippo.com>
content-type: text/plain; charset=us-ascii
organization: Libelle Productions, Inc., Minden, Nevada USA
mime-version: 1.0
reply-to: dick@merlin.libelle.com
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap
x-mailer: Mozilla 3.0 (Macintosh; I; 68K)

Jim Roberson wrote:
>
> Because of size this is pickup only....

Naturally you don't tell us where you live.

> Reason for selling is that I just got married a few months ago and
> either the Ham Gear or me go.

Me thinks you married unwisely. :^)
--
Dick Flanagan W6OLD CFII (dick@merlin.libelle.com) Minden, Nevada

From 5624175853853053888
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,7c4e865eb41ad869
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,7c4e865eb41ad869
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fc8b1,7c4e865eb41ad869
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
From: bbaka@syix.com
Subject: Re: Ham Gear for Sale....
Date: 1996/10/12

Message-ID: <N.101296.104118.98@treasure-d18.syix.com>#1/1
X-Deja-AN: 189051706
references: <MPG.cc886338ade4d1f98968e@news.zippo.com>
organization: Baka Engineering Service
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

I have the following Ham Gear FOR SALE....

>
> Kenwood TS-450AT w/ narrow SB Filter and Heil Desk Mic. It's in
> Mint Condition and works fine. Price: $ 750.00 + shipping
>
> Nye Viking Roller Inductor Tuner Model MB-V-A . Great Shape & Works
> Fine. Price: $ 400.00 + shipping
>
> Henry 2k-4 Console Amp. Has new transformer. Works Great and Looks
> just as good. Because of size this is pickup only.... Price: $ 750.00
>
> Reason for selling is that I just got married a few months ago and
> either the Ham Gear or me go.

Hey, fair is fair, make her give up all her hobbies too, and see what she says then. It goes both ways.

Bill

From 1558793109619405314
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,7c4e865eb41ad869
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,7c4e865eb41ad869
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fc8b1,7c4e865eb41ad869
X-Google-Attributes: gidfc8b1,public
From: Doug Wetzel <dougwe@wrq.com>
Subject: Re: Ham Gear for Sale....

```
Date: 1996/10/12
Message-ID: <32605EC6.58F5@wrq.com>#1/1
X-Deja-AN: 189086664
references: <MPG.cc886338ade4d1f98968e@news.zippo.com>
<32602C7E.3610@merlin.libelle.com>
content-type: text/plain; charset=us-ascii
organization: WRQ
mime-version: 1.0
reply-to: dougwe@wrq.com
newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatancho
rs,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.r
adio.swap
x-mailer: Mozilla 3.0Gold (Win95; I)


> Me thinks you married unwisely.  :^)
> --
> Dick Flanagan W6OLD CFII (dick@merlin.libelle.com) Minden, Nevada

'Married' and 'unwisely' in the same sentence is redundant....

Doug
KC7CO




From -3327411289071428540
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,7c4e865eb41ad869
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 107ada,7c4e865eb41ad869
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,7c4e865eb41ad869
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
From: mconway@mail.nantucket.net (N1XYY)
Subject: Re: Ham Gear for Sale....
Date: 1996/10/13
Message-ID: <845170630.402214@ahab.nantucket.net>#1/1
X-Deja-AN: 189067436
cache-post-path: ahab.nantucket.net!unknown@ppp2.nantucket.net
references: <MPG.cc886338ade4d1f98968e@news.zippo.com>
<53oduq$d4u@newshost.cyberramp.net>
```

organization: Nantucket.Net
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

Get rid of her . . .

twhite@digitrix.com (Tony White) wrote:

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>>
>>Kenwood TS-450AT w/ narrow SB Filter and Heil Desk Mic. It's in
>>Mint Condition and works fine. Price: $ 750.00 + shipping
>>
>>Nye Viking Roller Inductor Tuner Model MB-V-A . Great Shape & Works
>>Fine. Price: $ 400.00 + shipping
>>
>>Henry 2k-4 Console Amp. Has new transformer. Works Great and Looks
>>just as good. Because of size this is pickup only.... Price: $ 750.00
>>
>>Reason for selling is that I just got married a few months ago and
>>either the Ham Gear or me go.

>I'm sure you'll miss her... :-) :-) :-) :-) :-)

From 8468579584096563531
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 107ada,7c4e865eb41ad869
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,7c4e865eb41ad869
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fc8b1,7c4e865eb41ad869
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
From: eplatt@wco.com (Evan Platt)
Subject: Re: Ham Gear for Sale....
Date: 1996/10/13

Message-ID: <32608f6d.7053840@news.wco.com>#1/1
X-Deja-AN: 189112087
references: <MPG.cc886338ade4d1f98968e@news.zippo.com>
<32602C7E.3610@merlin.libelle.com>
organization: N/A
reply-to: eplatt@wco.com
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

Dick Flanagan <dick@merlin.libelle.com> wrote:
>> Because of size this is pickup only....
>
>Naturally you don't tell us where you live.

My guess is MO. I did a whois on his .org address, and they are based
in Rolla, MO.

>Me thinks you married unwisely. :^)

Me agrees..

From 6567888499784883216
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 107ada,7c4e865eb41ad869
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc8b1,7c4e865eb41ad869
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1031c8,7c4e865eb41ad869
X-Google-Attributes: gid1031c8,public
From: j_r_w@pipeline.com (John West)
Subject: Re: Ham Gear for Sale....
Date: 1996/10/13
Message-ID: <53qq5l$agd@camel1.mindspring.com>#1/1
X-Deja-AN: 189142294
references: <MPG.cc886338ade4d1f98968e@news.zippo.com>
<53oduq$d4u@newshost.cyberramp.net> <845170630.402214@ahab.nantucket.net>
x-server-date: 13 Oct 1996 13:17:41 GMT
organization: MindSpring Enterprises

newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

mconway@mail.nantucket.net (N1XYY) wrote:

>Get rid of her . . .

>twhite@digitrix.com (Tony White) wrote:

>>>I have the following Ham Gear FOR SALE....
>>>
>>>Kenwood TS-450AT w/ narrow SB Filter and Heil Desk Mic. It's in
>>>Mint Condition and works fine. Price: $ 750.00 + shipping
>>>
>>>Nye Viking Roller Inductor Tuner Model MB-V-A . Great Shape & Works
>>>Fine. Price: $ 400.00 + shipping
>>>
>>>Henry 2k-4 Console Amp. Has new transformer. Works Great and Looks
>>>just as good. Because of size this is pickup only.... Price: $ 750.00
>>>
>>>Reason for selling is that I just got married a few months ago and
>>>either the Ham Gear or me go.

>>I'm sure you'll miss her... :-) :-) :-) :-) :-)

Love is blind, and they say marrage is an instution, but who wants to
live in an instution for the blind!
N3WMT

From -3622583731185853798
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d12d54a0c9865655,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,d12d54a0c9865655,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,d12d54a0c9865655,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 114aac,d12d54a0c9865655,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,d12d54a0c9865655,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f7653,d12d54a0c9865655,start
X-Google-Attributes: gidf7653,public
From: "Loek d'Hont" <ldhont@ti.com>
Subject: PACTOR II experience inquiry

Date: 1996/10/13
Message-ID: <01bbb959$30bde5c0$165e5bc0@A0927429.itg.ti.com>#1/1
X-Deja-AN: 189230656
organization: quantex
newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.shortwave,rec.radio.swap

Hello, I am considering to buy a PACTORII unit from SCS GBMH, the PTC-2

See for more information:

http://www.scs-ptc.com/pactor2.html

From this URL I got my information, what I am trying to figure out is if it is really is the very robust digital communication method that they claim it to be, or if it is just another sales pitch.

After all, $900+ bucks is not cheap.

Is there any-one out there that has bought this TNC? What are the experiences?

What are the chances that pactor-II might be licensed out to other manufacturers TNCs like AEA?

Thanks,

Loek d'Hont   ldhont@ti.com

From 5369533981241708931
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,7c4e865eb41ad869
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 107ada,7c4e865eb41ad869
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,7c4e865eb41ad869
X-Google-Attributes: gid1031c8,public
From: Ramon Gandia <rfg.at.nome.dot.net@no.spam.please>

```
Subject: Re: Ham Gear for Sale....
Date: 1996/10/13
Message-ID: <3261EF43.3017@no.spam.please>#1/1
X-Deja-AN: 189275972
references: <MPG.cc886338ade4d1f98968e@news.zippo.com>
to: farmboy@rollanet.org
content-type: text/plain; charset=us-ascii
organization: Anvil Technology
mime-version: 1.0
reply-to: rfg.at.nome.dot.net@no.spam.please
newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatancho
rs,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.r
adio.swap
x-mailer: Mozilla 3.0 (Win95; I)
```

Jim Roberson wrote:

>
> I have the following Ham Gear FOR SALE....
>
> Kenwood TS-450AT
> Henry 2k-4 Console Amp.
> Reason for selling is that I just got married a few months ago and
> either the Ham Gear or me go.

Jim:

Come to rural Alaska. Leave wife behind. Bring gear.
Lotsa girls here look for he-man with big toys. I have spoken.

--
In order to foil SpamBots, my e-mail address is not
machine readable. Please reply to address below:

```
Ramon Gandia,    Nome, Alaska  |    rfg.at.nome.dot.net
AL7X          S/V Seven Stars  |
907-443-2437 fax 907-443-2487  | where at=@  dot=period
```

```
From -3432268135206932932
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,2ce7206b0b6fc318,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 106d41,2ce7206b0b6fc318,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 10c9e3,2ce7206b0b6fc318,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,2ce7206b0b6fc318,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 107ada,2ce7206b0b6fc318,start
X-Google-Attributes: gid107ada,public
```

X-Google-Thread: f76e2,2ce7206b0b6fc318,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 108abf,2ce7206b0b6fc318,start
X-Google-Attributes: gid108abf,public
X-Google-Thread: 112d4a,2ce7206b0b6fc318,start
X-Google-Attributes: gid112d4a,public
From: "Loek d'Hont" <ldhont@ti.com>
Subject: FS: Military radio accessoires
Date: 1996/10/13
Message-ID: <01bbb935$24400040$0c5e5bc0@A0927429.itg.ti.com>#1/1
X-Deja-AN: 189323940
organization: quantex
newsgroups:
alt.military.collecting,rec.antiques.radio+phono,rec.aviation.military,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.cb,rec.radio.shortwave,rec.radio.swap,ti.rec.radio

I am posting this ad for a friend who has trouble accessing newsgroups from his PC

Please respond to him directly, his EMAIL address is whkramer@pi.net

For sale: All parts for use with German and britisch Army WW-II radiosets such as WS-11,
WS-17, WS-18, WS-19, WS-22, WS-46, WS-48, WS-58, WS-62, WS-68, R-107, R-109,
Fullerphone, Fieldphone, etc.
Antenna 'B' sections for use with WS18, WS46, WS48, WS68, etc $ 7 /each
Headsets DRL 1 (or 5) , Use with WS38, WS48, WS68, R-107, R-109 etc $ 10/each
Microphone Hand use with WS-18, WS-48, WS-68, remote unit WS-22, WS-62 etc $ 50/each
Junction Box No. 1 for use with WS-38 $65/each
Microphone throat No. 2 for use with WS-38 $ 25/each
Mounting strap for use with WS-22 $30/each
Lamps operator for use with WS-22 $ 25/each
Mic/headset combination use with WS-19, WS-22, WS-62, etc. $60/each
and many more...
Prices excluding shipment, with large volumes of certain parts 10 % discount possible.

For more information and orders please e-mail whkramer@pi.net

Thank you for reading this ad

From 5617311756692986814
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,ad4dad2fa9884445,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,ad4dad2fa9884445,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 107ada,ad4dad2fa9884445,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,ad4dad2fa9884445,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 112d4a,ad4dad2fa9884445,start
X-Google-Attributes: gid112d4a,public
X-Google-Thread: 114aac,ad4dad2fa9884445,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,ad4dad2fa9884445,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10c2ee,ad4dad2fa9884445,start
X-Google-Attributes: gid10c2ee,public
From: "Loek d'Hont" <ldhont@ti.com>
Subject: German HF transceiver used by STAZI
Date: 1996/10/13
Message-ID: <01bbb933$b4572020$0c5e5bc0@A0927429.itg.ti.com>#1/1
X-Deja-AN: 189426773
organization: quantex
newsgroups: alt.military.collecting,rec.antiques.radio+phono,rec.ham-
radio,rec.ham-
radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.cb,rec.rad
io.shortwave,rec.radio.swap,ti.rec.radio
```

Forsale: HF radio used by Stazi (former East-German secret police) in excellent condition

Radio covers 1.6-12 MHz in 1 kHz steps synthesized & VFO
Modes: USB,LSB,AM (A3J / A3H / A2J)
Antanna tuner is built-in. RF power 20 watt peak and average in SSB
Radio can be used as man-pack, as mobile radio or stationary radio
Size: 4.3"x14.2"x12", weight 17.5 lb
Comes with separate AC power supply, whip antenna, telemike and user manual
Runs from either the AC power supply or from a 24V 4A DC source

$550, shipping not included

ldhont@ti.com

```
From 8106866983933126880
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d4ded7e4ae41e4ae,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,d4ded7e4ae41e4ae,start
X-Google-Attributes: gid106d41,public
```

```
From: Leo Cellupica <leon1vzy@ncia.net>
Subject: HR2510
Date: 1996/10/14
Message-ID: <3262830B.397F@ncia.net>#1/1
X-Deja-AN: 189339430
content-type: text/plain; charset=us-ascii
mime-version: 1.0
newsgroups: rec.radio.cb,rec.ham-radio
x-mailer: Mozilla 2.01 (Win16; U)
```

When I am receiving a signal on SSB on my HR2510, the s-meter first goes high and quickly goes down as does the audio. I believe this is caused by the agc circuit. Is there a way to eliminate this from the radio or at least limit the amount of attenuation? Any info would be appreciated.

```
From 3515026011996815640
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62ad8b01ede49d5a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,62ad8b01ede49d5a,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c2ee,62ad8b01ede49d5a,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 106284,d2e6c70c4e0fd428
X-Google-Attributes: gid106284,public
From: Bovine Remailer <haystack@cow.net>
Subject: Weird Radios (was: 12 Steps of ABA)
Date: 1996/10/14
Message-ID: <9610141729.AA20869@cow.net>#1/1
X-Deja-AN: 189372865
x-mail2news-path: news.demon.net!xensei2.xensei.com!cow.net
x-nntp-posting-user: haystack@holy.cow.net
references: <529v8u$9hc@camel0.mindspring.com> <51s0h2$llo_002@news.earthlink.net>
<3241C1A8.47AE@primenet.com> <redpoe-2009961408240001@gp-pm1-23.dip.cdsnet.net>
<525ebj$hjc_006@news.earthlink.net>
<Pine.HPP.3.95.960923110628.5079C-100000@pathogen.ecst
comments: This message did not originate from the address above.  It was remailed
by an anonymous remailing service.  If you have questions or complaints, please
direct them to <haystack-admin@holy.cow.net>
newsgroups: alt.fan.art-bell,rec.radio.shortwave,rec.ham-
radio,rec.antiques.radio+phono


csuchico.edu>
X-No-Archive: Yes
```

```
 jamiemps@usa.pipeline.com wrote:

 j> 8.  Made a list of all of Art's sponsor's products and
 j>     became willing to buy at least one item from them
```

j> all...

j> 11. Sought through our 911CS with that erect antenna C Crap Co
j> sells to improve our reception of Art's show hoping only
j> for a few moments of hearing Art talk on and on about another
j> sponsor.

Well, I dunno about you, but I don't know if I can _live_ without one of
those South-African wind-up radios! 'Course, you can probably get them
for $52.98 in some ad in _Popular Communications_ rather than C. Crane's
$99.95, but still...what a cool product.

Apropos of this, has anyone ever heard of the Soviet fuel driven
shortwave receivers produced in the 'fifties or 'sixties? I have been
trying to track down more on these for several years.

From -1900792001880352667
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62ad8b01ede49d5a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,62ad8b01ede49d5a
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c2ee,62ad8b01ede49d5a
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 106284,d2e6c70c4e0fd428
X-Google-Attributes: gid106284,public
From: Ron Force <rforce@belle.lib.uidaho.edu>
Subject: Re: Weird Radios (was: 12 Steps of ABA)
Date: 1996/10/14
Message-ID: <3262B37E.214@belle.lib.uidaho.edu>#1/1
X-Deja-AN: 189489998
distribution: world
references: <529v8u$9hc@camel0.mindspring.com> <51s0h2$llo_002@news.earthlink.net>
<3241C1A8.47AE@primenet.com> <redpoe-2009961408240001@gp-pm1-23.dip.cdsnet.net>
<525ebj$hjc_006@news.earthlink.net>
<Pine.HPP.3.95.960923110628.5079C-100000@pathogen.ecst
<9610141729.AA20869@cow.net>
content-type: text/plain; charset=us-ascii
organization: University of Idaho Library
mime-version: 1.0
newsgroups: alt.fan.art-bell,rec.radio.shortwave,rec.ham-radio,rec.antiques.radio+phono
x-mailer: Mozilla 3.0 (Win16; I)

Bovine Remailer wrote:
<snip>
> Apropos of this, has anyone ever heard of the Soviet fuel driven
> shortwave receivers produced in the 'fifties or 'sixties? I have been
> trying to track down more on these for several years.

I remember seeing a picture of one in action. It involved a
thermoelectric generator affixed to the chimney of a kerosene lamp-- the
generator was the thing, it worked with any number of low-power radios.
--
****
Ron Force   rforce@belle.lib.uidaho.ed
Dean of Library Services   (208) 885-6534
University of Idaho 83844
****

From -4887347449255984566
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,7c4e865eb41ad869
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fc8b1,7c4e865eb41ad869
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,7c4e865eb41ad869
X-Google-Attributes: gid1031c8,public
From: Tom Valenti <valenti@eskimo.com>
Subject: Re: Ham Gear for Sale....
Date: 1996/10/15
Message-ID: <DzAuGM.FGA@eskimo.com>#1/1
X-Deja-AN: 189471160
sender: news@eskimo.com (News User Id)
x-nntp-posting-host: tia1.eskimo.com
references: <MPG.cc886338ade4d1f98968e@news.zippo.com>
<3261EF43.3017@no.spam.please>
to: rfg@nome.net
content-type: text/plain; charset=us-ascii
organization: Eskimo North (206) For-Ever
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap
x-mailer: Mozilla 1.1N (Windows; I; 16bit)

Well SAID ol' wise one.

Tom KB7RSK Seattle

From 6772066327173461734
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,7c4e865eb41ad869
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc8b1,7c4e865eb41ad869
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: 1031c8,7c4e865eb41ad869
X-Google-Attributes: gid1031c8,public
From: billn@PEAK.ORG (Bill Nelson)
Subject: Re: Ham Gear for Sale....
Date: 1996/10/15
Message-ID: <53v5ip$c83@bashir.peak.org>#1/1
X-Deja-AN: 189478478
references: <MPG.cc886338ade4d1f98968e@news.zippo.com> <3261EF43.3017@no.spam.please>
followup-to: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap
organization: Public Electronic Access to Knowledge,Corvallis,US
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

Ramon Gandia (rfg.at.nome.dot.net@no.spam.please) wrote:

```
: Ramon Gandia,    Nome, Alaska  |    rfg.at.nome.dot.net
: AL7X          S/V Seven Stars  |
: 907-443-2437 fax 907-443-2487  | where at=@  dot=period
```

Hm. rfg.@.nome...net

I doubt if most systems could handle that. I think you should be using rfgatnomedotnet.

Bill

From -3826269094125987179
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d4ded7e4ae41e4ae
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,d4ded7e4ae41e4ae
X-Google-Attributes: gid106d41,public
From: billn@PEAK.ORG (Bill Nelson)
Subject: Re: HR2510
Date: 1996/10/15
Message-ID: <53v8mo$c83@bashir.peak.org>#1/1
X-Deja-AN: 189487009
references: <3262830B.397F@ncia.net>
organization: Public Electronic Access to Knowledge,Corvallis,US
followup-to: rec.radio.cb,rec.ham-radio
newsgroups: rec.radio.cb,rec.ham-radio

Leo Cellupica (leon1vzy@ncia.net) wrote:
: When I am receiving a signal on SSB on my HR2510, the s-meter first goes
: high and quickly goes down as does the audio. I believe this is caused by
: the agc circuit. Is there a way to eliminate this from the radio or at
: least limit the amount of attenuation? Any info would be appreciated.

You may have a defective AGC. Or there may be some other problem. Does
the radio work ok on AM?

Bill

From 4026062911978303093
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62ad8b01ede49d5a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,62ad8b01ede49d5a
X-Google-Attributes: gid114aac,public
X-Google-Thread: 106284,d2e6c70c4e0fd428
X-Google-Attributes: gid106284,public
X-Google-Thread: 10c2ee,62ad8b01ede49d5a
X-Google-Attributes: gid10c2ee,public
From: Jerry Watson <jwatson@jill.reno.nv.us>
Subject: Re: Weird Radios (was: 12 Steps of ABA)
Date: 1996/10/15
Message-ID: <3263493B.14B7@jill.reno.nv.us>#1/1
X-Deja-AN: 189510603
distribution: world
references: <529v8u$9hc@camel0.mindspring.com> <51s0h2$llo_002@news.earthlink.net>
<3241C1A8.47AE@primenet.com> <redpoe-2009961408240001@gp-pm1-23.dip.cdsnet.net>
<525ebj$hjc_006@news.earthlink.net>

<Pine.HPP.3.95.960923110628.5079C-100000@pathogen.ecst
<9610141729.AA20869@cow.net>
content-type: text/plain; charset=us-ascii
organization: rush.is.nuts
mime-version: 1.0
newsgroups: alt.fan.art-bell,rec.radio.shortwave,rec.ham-radio,rec.antiques.radio+phono
x-mailer: Mozilla 3.0Gold (Win16; U)

Bovine Remailer wrote:
>
> csuchico.edu>
> X-No-Archive: Yes
>
> jamiemps@usa.pipeline.com wrote:
>
> j> 8. Made a list of all of Art's sponsor's products and
> j>   became willing to buy at least one item from them
> j>   all...
>
> j> 11. Sought through our 911CS with that erect antenna C Crap Co
> j>   sells to improve our reception of Art's show hoping only
> j>   for a few moments of hearing Art talk on and on about another
> j>   sponsor.
>
> Well, I dunno about you, but I don't know if I can _live_ without one of
> those South-African wind-up radios! 'Course, you can probably get them
> for $52.98 in some ad in _Popular Communications_ rather than C. Crane's
> $99.95, but still...what a cool product.

Ok, let's suppose I did buy one of these beauties
and there was a reason to use it, as ALL electrical
powen in the world was down and would be down forever:

i.e.: theebolavirusrunsamuckwhiletheNWOtakesover
andthosegoddamnedcommieswinwiththeirflorideconspiracyand
thatfuckingHARPprojectcauseseveryonetodiefromUVraysand
ohgodIcan'trememberwhatelseABhaswarnedusabout,ohyeahthe
alienscometoeatourliversinabernaisesauceandthenchupa
comestothedoorofmybombshelterandIturnonmywindupradio
andturntoABandhearhimsay:

"Neener, neener, neener...I told you so!"

jdw

[snip]
--
On the synergy between Dole and Kemp:

A Republican consultant made this observation:

"It isn't additive, like 1 plus 1.
 It's more like multiplication."

1x1=?

```
From 6279863314138050857
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d4ded7e4ae41e4ae
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,d4ded7e4ae41e4ae
X-Google-Attributes: gid106d41,public
From: Gary Bates <whtwlf@ipa.net>
Subject: Re: HR2510
Date: 1996/10/15
Message-ID: <326376EF.2817@ipa.net>#1/1
X-Deja-AN: 189539917
distribution: world
references: <3262830B.397F@ncia.net>
content-type: text/plain; charset=us-ascii
organization: Sunset CB Shop
mime-version: 1.0
newsgroups: rec.radio.cb,rec.ham-radio
x-mailer: Mozilla 2.01E-compaq  (Win95; I)
```

Leo Cellupica wrote:
>
> When I am receiving a signal on SSB on my HR2510, the s-meter first goes
> high and quickly goes down as does the audio. I believe this is caused by
> the agc circuit. Is there a way to eliminate this from the radio or at
> least limit the amount of attenuation? Any info would be appreciated.SSB does
not tramsmit a carrier wave, so your radio is working properly.
This has nothing to do with the AGC circuit. If you are not recieving a
carrier wave quite naturally the S-meter would reflect this by not
indicating a signal during the intermitant periods of silence typical to
audio communications.
WHITE WOLF, whtwlf@ipa.net

From -8213252685952798390
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,7c4e865eb41ad869
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,7c4e865eb41ad869
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,7c4e865eb41ad869
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
From: claude@bauv.unibw-muenchen.de (Claude Frantz)
Subject: Re: Ham Gear for Sale....
Date: 1996/10/15
Message-ID: <claude.845385807@bauv111>#1/1
X-Deja-AN: 189547660
references: <MPG.cc886338ade4d1f98968e@news.zippo.com>
<32602C7E.3610@merlin.libelle.com>
organization: University of the Federal Armed Forces Munich
reply-to: claude@bauv106.bauv.unibw-muenchen.de
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

Dick Flanagan <dick@merlin.libelle.com> writes:

>Jim Roberson wrote:
>>

>> Because of size this is pickup only....

>Naturally you don't tell us where you live.

>> Reason for selling is that I just got married a few months ago and
>> either the Ham Gear or me go.

>Me thinks you married unwisely. :^)

I agree.
--
Claude
(claude@bauv106.bauv.unibw-muenchen.de)
The opinions expressed above represent those of the writer
and not necessarily those of her employer.

From 587781650272719177
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,62ad8b01ede49d5a
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,62ad8b01ede49d5a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,62ad8b01ede49d5a
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 106284,d2e6c70c4e0fd428
X-Google-Attributes: gid106284,public
From: lness@indiana.edu (Lester John Ness)
Subject: Re: Weird Radios (was: 12 Steps of ABA)
Date: 1996/10/15
Message-ID: <53vv5n$r07@dismay.ucs.indiana.edu>#1/1
X-Deja-AN: 189571839
references: <529v8u$9hc@camel0.mindspring.com> <51s0h2$llo_002@news.earthlink.net>
<3241C1A8.47AE@primenet.com> <redpoe-2009961408240001@gp-pm1-23.dip.cdsnet.net>
<525ebj$hjc_006@news.earthlink.net>
<Pine.HPP.3.95.960923110628.5079C-100000@pathogen.ecst
<9610141729.AA20869@cow.net>
followup-to: alt.fan.art-bell,rec.radio.shortwave,rec.ham-radio,rec.antiques.radio+phono
organization: Indiana University, Bloomington
newsgroups: alt.fan.art-bell,rec.radio.shortwave,rec.ham-radio,rec.antiques.radio+phono
nntp-posting-user: lness

Pardon my ignorance, but does Art Bell have a SW broadcast? If so, what are his times and frequencies?

--
Lester Ness   lness@indiana.edu

From 5856450195865113732
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d4ded7e4ae41e4ae
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,d4ded7e4ae41e4ae
X-Google-Attributes: gid106d41,public
From: Jim S <Saeger@gat.com>
Subject: Re: HR2510
Date: 1996/10/15
Message-ID: <3263C440.543E@gat.com>#1/1
X-Deja-AN: 189616096
references: <3262830B.397F@ncia.net>
content-type: text/plain; charset=us-ascii
organization: San Diego SuperComputer Center at UCSD
mime-version: 1.0
newsgroups: rec.radio.cb,rec.ham-radio
x-mailer: Mozilla 2.02 (Win16; I)

Leo Cellupica wrote:
:When I am receiving a signal on SSB on my HR2510, the s-meter first goes
:high and quickly goes down as does the audio.I believe this is caused by
:the agc circuit. Is there a way to eliminate this from the radio or at
:least limit the amount of attenuation? Any info would be appreciated.

Leo, there are some AGC mods at www.qrz.com. The stock AGC for the
HR2510 is pretty slow to react but that can be fixed if you want to.

JimS

From -6450260506079478785
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62ad8b01ede49d5a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,62ad8b01ede49d5a
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c2ee,62ad8b01ede49d5a
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 106284,d2e6c70c4e0fd428
X-Google-Attributes: gid106284,public
From: you@somehost.somedomain (Spectre5)
Subject: Re: Weird Radios (was: 12 Steps of ABA)
Date: 1996/10/15
Message-ID: <af7cc$fbe.33e@NEWS>#1/1
X-Deja-AN: 189631477
references: <529v8u$9hc@camel0.mindspring.com> <51s0h2$llo_002@news.earthlink.net>
<3241C1A8.47AE@primenet.com> <redpoe-2009961408240001@gp-pm1-23.dip.cdsnet.net>
<525ebj$hjc_006@news.earthlink.net>
<Pine.HPP.3.95.960923110628.5079C-100000@pathogen.ecst
<9610141729.AA20869@cow.net> <53vv5n$r07@dismay.ucs.indiana.edu>

```
content-type: Text/Plain; charset=ISO-8859-1
organization: The Abyss
mime-version: 1.0
newsgroups: alt.fan.art-bell,rec.radio.shortwave,rec.ham-
radio,rec.antiques.radio+phono


In article <53vv5n$r07@dismay.ucs.indiana.edu>, lness@indiana.edu
says...
>
>        Pardon my ignorance, but does Art Bell have a SW broadcast?
If
>so, what are his times and frequencies?
>
>--
>Lester Ness     lness@indiana.edu
>
Actually Artie cooked up the idea for a SW broadcast BEFORE consulting
TRN/CBC, as such they have refused to bank the project.






From 7675410896750998841
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d4ded7e4ae41e4ae
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,d4ded7e4ae41e4ae
X-Google-Attributes: gid106d41,public
From: cormierb@nbnet.nb.ca (Bernard Cormier)
Subject: Re: HR2510
Date: 1996/10/16
Message-ID: <542os9$2sp@agate.nbnet.nb.ca>#1/1
X-Deja-AN: 189825916
references: <3262830B.397F@ncia.net> <53v8mo$c83@bashir.peak.org>
content-type: Text/Plain; charset=US-ASCII
organization: NBNet.nb.ca
mime-version: 1.0
newsgroups: rec.radio.cb,rec.ham-radio


In article <53v8mo$c83@bashir.peak.org>, billn@PEAK.ORG says...
>
>Leo Cellupica (leon1vzy@ncia.net) wrote:
>: When I am receiving a signal on SSB on my HR2510, the s-meter first goes
>: high and quickly goes down as does the audio. I believe this is caused by
>: the agc circuit. Is there a way to eliminate this from the radio or at
>: least limit the amount of attenuation? Any info would be appreciated.
>

On SSB there is no carrier so to speak. The carrier is only there when the
other fellow talks and it follows the audio . If the other fellow says
```

```
nothing there will be no carrier going out and you will see no signal coming
in. If he speaks loud then lots of carrier will go out. That is the way the
SSB works. I don't think there is anything wrong with your radio.
--
Bernard
Moncton N.B. Canada
Have a nice day!
----------------





From 3680808135724485340
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,7c4e865eb41ad869
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,7c4e865eb41ad869
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 1031c8,7c4e865eb41ad869
X-Google-Attributes: gid1031c8,public
From: Dave Booth <booth@pactitle.com>
Subject: Re: Ham Gear for Sale....
Date: 1996/10/16
Message-ID: <3264FF0D.41C6@pactitle.com>#1/1
X-Deja-AN: 189904652
references: <MPG.cc886338ade4d1f98968e@news.zippo.com>
<3261EF43.3017@no.spam.please>
content-type: text/plain; charset=us-ascii
organization: KC6WFS
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatancho
rs,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.r
adio.swap
x-mailer: Mozilla 3.0 (X11; U; IRIX 5.3 IP19)


Ramon Gandia wrote:
>
> Jim Roberson wrote:
> >
> > I have the following Ham Gear FOR SALE....
> >
```

> > Kenwood TS-450AT
> > Henry 2k-4 Console Amp.
> > Reason for selling is that I just got married a few months ago and
> > either the Ham Gear or me go.
>
> Jim:
>
Hummm........

By my new wife!!!!!!!!!!!
Dave Booth kc6wfs
http://www.geocities.com/Hollywood/5860/

From -8535498252563631768
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,7c4e865eb41ad869
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 107ada,7c4e865eb41ad869
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,7c4e865eb41ad869
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
From: hammarlund@jacksonmi.com (Robert Fowle)
Subject: Re: Ham Gear for Sale....
Date: 1996/10/16
Message-ID: <5434en$ke0@krypto.zippo.com>#1/1
X-Deja-AN: 189926230
references: <MPG.cc886338ade4d1f98968e@news.zippo.com>
<3261EF43.3017@no.spam.please> <3264FF0D.41C6@pactitle.com>
organization: The HAMMARLUND Historian
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

Dave Booth <booth@pactitle.com> wrote:

>Ramon Gandia wrote:
>>
>> Jim Roberson wrote:

```
>> >
>> > I have the following Ham Gear FOR SALE....
>> >
>> > Kenwood TS-450AT
>> > Henry 2k-4 Console Amp.
>> > Reason for selling is that I just got married a few months ago and
>> > either the Ham Gear or me go.
>>
>> Jim:
>>
>Hummm........


>By my new wife!!!!!!!!!!
>Dave Booth kc6wfs
>http://www.geocities.com/Hollywood/5860/

I'm affraid it would be hard..but, gee, I'd sure miss her...

8-)


=================================================]-[->
Robert Fowle      KC8DBC
The HAMMARLUND Historian
Ph. 517-789-6721
1215 Winifred
Jackson, Mich. 49202-1946
E-mail:  hammarlund@jacksonmi.com
Web Page:  http://www.jacksonmi.com/hammarlund
                 HAMMARLUND LITERATURE WANTED
WANTED: MANUALS FOR ANY MAKE RADIO EQUIPMENT
=================================================]-[->
Boatanchors: the list: listproc@theporch.com......subscribe boatanchors <your
name>
       the news group: rec.radio.amateur.boatanchors
```

```
From -7768999720692035233
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d4ded7e4ae41e4ae
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,d4ded7e4ae41e4ae
X-Google-Attributes: gid106d41,public
From: ka1jy@ziplink.net (Brian Ellsworth)
Subject: Re: HR2510
Date: 1996/10/17
Message-ID: <326786ee.6383676@news.ziplink.net>#1/1
X-Deja-AN: 189952894
references: <3262830B.397F@ncia.net> <326376EF.2817@ipa.net>
content-type: text/plain; charset=us-ascii
```

organization: None at all
mime-version: 1.0
reply-to: ka1jy@ziplink.net
newsgroups: rec.radio.cb,rec.ham-radio

On Tue, 15 Oct 1996 06:35:11 -0500, Gary Bates <whtwlf@ipa.net> wrote:
>Leo Cellupica wrote:
>> When I am receiving a signal on SSB on my HR2510, the s-meter first goes
>> high and quickly goes down as does the audio. I believe this is caused by
>> the agc circuit. Is there a way to eliminate this from the radio or at
>> least limit the amount of attenuation? Any info would be appreciated.SSB does
not tramsmit a carrier wave, so your radio is working properly.
>This has nothing to do with the AGC circuit. If you are not recieving a
>carrier wave quite naturally the S-meter would reflect this by not
>indicating a signal during the intermitant periods of silence typical to
>audio communications.
>   WHITE WOLF, whtwlf@ipa.net
duh W.W. doesn't have a clue. Sounds like a defective AGC to me. I'm really not
familiar with the 2510, but many radios that have both AM and SSB modes use two
different AGC time constants. One for each mode. The attack times are similar
but the AM AGC typically has a much slower recovery (or hang) time. Sounds like
your radio is not switching between the AM time constant and the SSB one. If
you're handy with schematics and have a scope or even a voltmeter you should be
able to find the time constant switches and trouble-shoot the problem..

-be

From 3575292539207941231
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d4ded7e4ae41e4ae
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,d4ded7e4ae41e4ae
X-Google-Attributes: gid106d41,public
From: psam@giraffe.ru.ac.za (MR A MULDER)
Subject: Re: HR2510
Date: 1996/10/17
Message-ID: <psam.87.3265DC54@giraffe.ru.ac.za>#1/1
X-Deja-AN: 190006026
references: <3262830B.397F@ncia.net> <326376EF.2817@ipa.net>
<326786ee.6383676@news.ziplink.net>
organization: Rhodes University, Grahamstown, 6140.
newsgroups: rec.radio.cb,rec.ham-radio

In article <326786ee.6383676@news.ziplink.net> ka1jy@ziplink.net (Brian Ellsworth)
writes:
>From: ka1jy@ziplink.net (Brian Ellsworth)
>Subject: Re: HR2510
>Date: Thu, 17 Oct 1996 01:15:34 GMT

```
>On Tue, 15 Oct 1996 06:35:11 -0500, Gary Bates <whtwlf@ipa.net> wrote:
>>Leo Cellupica wrote:
>>> When I am receiving a signal on SSB on my HR2510, the s-meter first goes
>>> high and quickly goes down as does the audio. I believe this is caused by
>>> the agc circuit. Is there a way to eliminate this from the radio or at
>>> least limit the amount of attenuation? Any info would be appreciated.SSB does
not tramsmit a carrier wave, so your radio is working properly.
>>This has nothing to do with the AGC circuit.  If you are not recieving a
>>carrier wave quite naturally the S-meter would reflect this by not
>>indicating a signal during the intermitant periods of silence typical to
>>audio communications.
>>                               WHITE WOLF, whtwlf@ipa.net
>duh W.W. doesn't have a clue. Sounds like a defective AGC to me. I'm really not
>familiar with the 2510, but many radios that have both AM and SSB modes use two
>different AGC time constants. One for each mode. The attack times are similar
>but the AM AGC typically has a much slower recovery (or hang) time. Sounds like
>your radio is not switching between the AM time constant and the SSB one. If
>you're handy with schematics and have a scope or even a voltmeter you should be
>able to find the time constant switches and trouble-shoot the problem..

>-be

No! SSB transmissions have no carrier as AM has so when there is no signal;
s meter drops down, as well as varing in value during the reception of of a
transmission. Thats the way it is.



From 6363889787746047964
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,beed18e5c6b9aff0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,eba2662a95a8e20c
X-Google-Attributes: gid108122,public
X-Google-Thread: 11480d,beed18e5c6b9aff0,start
X-Google-Attributes: gid11480d,public
From: "Emiddio" <pillo@ats.it>
Subject: IC-706
Date: 1996/10/17
Message-ID: <01bbbc41$80cdfce0$LocalHost@default>#1/1
X-Deja-AN: 190078061
organization: Centro Servizi Interbusiness
newsgroups: rec.ham-radio,rec.radio.amateur.dx,rec.radio.amateur.equipment


I desire have hints and modifications for can to increase the receipt of
the my ic-706
greetings 73-51



From -5830964824260014659
```

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e320ee9897de91f5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,e320ee9897de91f5
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fa656,e320ee9897de91f5
X-Google-Attributes: gidfa656,public
X-Google-Thread: f4306,e320ee9897de91f5
X-Google-Attributes: gidf4306,public
X-Google-Thread: 105955,e320ee9897de91f5
X-Google-Attributes: gid105955,public
X-Google-Thread: f84e8,e320ee9897de91f5
X-Google-Attributes: gidf84e8,public
X-Google-Thread: f76e2,e320ee9897de91f5
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fcc6e,e320ee9897de91f5
X-Google-Attributes: gidfcc6e,public
From: Dave Booth <booth@pactitle.com>
Subject: Re: Cool Ham Web Page
Date: 1996/10/17
Message-ID: <32664C5B.41C6@pactitle.com>#1/1
X-Deja-AN: 190081265
references: <01bbba2a$94672100$ae681fce@mjs>
to: Jerry & Susan Moore <vigilant@cetlink.net>
content-type: text/plain; charset=us-ascii
organization: KC6WFS
mime-version: 1.0
newsgroups: alt.ham-radio.packet,att.ham-radio,rec.ham-radio,rec.ham-
radio.packet,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.digital,r
ec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec
.r
x-mailer: Mozilla 3.0 (X11; U; IRIX 5.3 IP19)


Jerry & Susan Moore wrote:
>
> Visit the Sugar Creek Amateur Radio Societys' (SCARS) Web page
>
> www.perigee.net/~chrisw
>
> --
> Jerry Moore / AE4PB..........
I'll go check it out!!!!!

http://www.geocities.com/Hollywood/5860
--
Dave Booth kc6wfs



From 909986790426011978
X-Google-Language: ENGLISH,ASCII-7-bit
```

X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: fc8b1,7c4e865eb41ad869
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 107ada,7c4e865eb41ad869
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,7c4e865eb41ad869
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
From: mwhite@mitre.org (Michael White)
Subject: Re: Ham Gear for Sale....
Date: 1996/10/17
Message-ID: <mwhite-1710961335190001@m14494-mac.mitre.org>#1/1
X-Deja-AN: 190181134
references: <MPG.cc886338ade4d1f98968e@news.zippo.com>
<3261EF43.3017@no.spam.please> <3264FF0D.41C6@pactitle.com>
<5434en$ke0@krypto.zippo.com>
organization: The MITRE Corporation
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.radio.swap

> Reason for selling is that I just got married a few months ago and
> either the Ham Gear or me go.

"Yeah, my wife said she'd leave me if I didn't get off the radio. Over."

--
mwhite@mitre.org

My opinions are my own, not my employer's.

From -1254404227635049259
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4e865eb41ad869
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7c4e865eb41ad869
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,7c4e865eb41ad869
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 107ada,7c4e865eb41ad869

```
X-Google-Attributes: gid107ada,public
X-Google-Thread: fcc6e,7c4e865eb41ad869
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fc8b1,7c4e865eb41ad869
X-Google-Attributes: gidfc8b1,public
X-Google-Thread: f76e2,7c4e865eb41ad869
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,7c4e865eb41ad869
X-Google-Attributes: gidfa656,public
From: John M Domblewski <wendysue@global2000.net>
Subject: Re: Ham Gear for Sale....
Date: 1996/10/18
Message-ID: <3267E61E.7618@global2000.net>#1/1
X-Deja-AN: 190757290
references: <MPG.cc886338ade4d1f98968e@news.zippo.com>
<3261EF43.3017@no.spam.please> <3264FF0D.41C6@pactitle.com>
<5434en$ke0@krypto.zippo.com> <mwhite-1710961335190001@m14494-mac.mitre.org>
content-type: text/plain; charset=us-ascii
organization: Mobile Office Services
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatancho
rs,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap,rec.r
adio.swap
x-mailer: Mozilla 2.0 (Win95; I)


Michael White wrote:
>
> > Reason for selling is that I just got married a few months ago and
> > either the Ham Gear or me go.
>
> "Yeah, my wife said she'd leave me if I didn't get off the radio. Over."
>
> --
> mwhite@mitre.org
>
> My opinions are my own, not my employer's.


Sounds like she's got to go!:-)))

Actually try using my line " At least I'm home and you know what(and
whom )I'm doing! and always remember the alternative is that I could be
OUT "  and leave out to her imagination !

John




From -3658047629493620332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f4afeda3c725631d,start
```

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 112e71,f4afeda3c725631d,start
X-Google-Attributes: gid112e71,public
X-Google-Thread: f557d,f4afeda3c725631d,start
X-Google-Attributes: gidf557d,public
X-Google-Thread: 10d137,f4afeda3c725631d,start
X-Google-Attributes: gid10d137,public
X-Google-Thread: 107ada,f4afeda3c725631d,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 103407,f4afeda3c725631d,start
X-Google-Attributes: gid103407,public
X-Google-Thread: 114671,f4afeda3c725631d,start
X-Google-Attributes: gid114671,public
X-Google-Thread: 105d97,f4afeda3c725631d,start
X-Google-Attributes: gid105d97,public
From: sjandrew@ozemail.com.au (Steve Andrew)
Subject: RadCad-Lit - Problems with Setup and VBRUN300.DLL
Date: 1996/06/20
Message-ID: <4qbuek$smi@reader1.reader.news.ozemail.net>#1/1
X-Deja-AN: 161222601
organization: Mad Cow Systems
reply-to: sjandrew@ozemail.com.au
newsgroups:
alt.engineering.electrical,aus.electronics,aus.radio.amateur.misc,de.sci.electronics,in.ham-radio,rec.ham-radio,rec.radio.amateur.misc,sci.electronics,sci.electronics.cad,sci.electronics.design,sci.electronics.misc,uk.radio.amateur

V 0.5 Beta - Release Notes

21 June, 1996

Problems installing RadCad-Lite

Some users have reported problems with Setup.exe.

On running Setup.exe, a message is displayed say 'Cannot copy VBRUN300.DLL'. This occurs when there is already a copy of VBRUN300.DLL in the WINDOW\SYSTEM directory. The fault would appear to lie with Setup.exe, supplied by MicroSoft as part of the Visual Basic 3.0 setup kit. Setup.exe is supposed to install VBRUN300.DLL included with RadCad-Lite, provided the copy of VBRUN300.DLL on the target system is older than the version about to be installed. This is not happening.

If you are experiencing the above problem then we suggest you rename your current version of VBRUN300.DLL and then run Setup.exe again. Check that any other applications that require VBRUN300 run correctly.

We are working on this problem and will post an advisory note to usenet.

The version data for the version of VBRUN300.DLL included with RadCad-Lite is:

Size: 394,384 bytes
Date: 28 March, 1993

Contacting us

E-mail: sjandrew@ozemail.com.au

WWW: http://www.ozemail.com.au/~sjandrew/

Phone: +61-7-5530-1513
Fax: +61-7-5591-6864

Mail: Mad Cow Systems
92 Boykambil Esplanade
Hope Island
Gold Coast
Queensland
Q 4212
Australia

From 1268221283579197311
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f4535,8eee0c87791e1fa6,start
X-Google-Attributes: gidf4535,public
X-Google-Thread: 10c9e3,8eee0c87791e1fa6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fda75,8eee0c87791e1fa6,start
X-Google-Attributes: gidfda75,public
X-Google-Thread: f851e,8eee0c87791e1fa6,start
X-Google-Attributes: gidf851e,public
X-Google-Thread: f76e2,8eee0c87791e1fa6,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10c2ee,8eee0c87791e1fa6,start
X-Google-Attributes: gid10c2ee,public
From: bmoore@io.org (Barry Moore)
Subject: FS: TUBES 12L6,25L6,50L6 - 6K6 - 6SN7 - 25BQ6/25CU6 - $1.25 EACH

Date: 1996/06/25
Message-ID: <4qoqsf$oea@news1.io.org>#1/1
X-Deja-AN: 162070798
organization: Internex Online (io.org), Toronto, Ontario, Canada
newsgroups: torfree.for-sale,tor.buysell,rec.ham-radio,rec.ham-radio.swap,rec.audio.tubes,rec.antiques.radio+phono

My parents have sold their house, so I am forced to clear out my inventory of electronic parts that I no longer use... I have the following items for sale ($1.25 Each+Postage/Shipping as per buyers preferred method). All tubes are used and believed to be working, but are sold AS IS. All tubes made in Canada unless otherwise specified.

1 - 12L6 GT - MARCONI
1 - 25L6 GT - RCA
1 - 25L6 GT - IBM - MADE IN USA
1 - 35L6 GT - WESTINGHOUSE
1 - 50L6 GT - PHILCO
1 - 50L6 GT - GE

1 - 6SN7 GTB - MARCONI
1 - 6SN7 GTB - GE
1 - 6SN7 GTB - WESTINGHOUSE - ??USA/CANADA??
2 - 6SN7 GTB - ROGERS
1 - 6SN7 GTB - RTT - JAPAN
1 - 6SN7 GTB - SIGNET - JAPAN

1 - 25BQ6 GTB/25CU6 - ROGERS
1 - 25BQ6 GTB/25CU6 - RCA

1 - 6K6 GT - MARCONI
1 - 6K6 GT - WESTINGHOUSE - MADE IN USA
1 - 6K6 GT - ROGERS

Regards.... BM

From -4713546907088363430
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5df41dfd4edab61d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11412d,5df41dfd4edab61d,start
X-Google-Attributes: gid11412d,public
X-Google-Thread: fbf28,5df41dfd4edab61d,start
X-Google-Attributes: gidfbf28,public
X-Google-Thread: 1118be,5df41dfd4edab61d,start
X-Google-Attributes: gid1118be,public
X-Google-Thread: 105207,5df41dfd4edab61d,start
X-Google-Attributes: gid105207,public

From: tmoreau@direct.ca (terry moreau)
Subject: Q: Where can I get cheap RF power transistors?
Date: 1996/07/02
Message-ID: <4rba2p$s76@aphex.direct.ca>#1/1
X-Deja-AN: 163288118
organization: Canada Internet Direct, Inc.
newsgroups: sci.engr.semiconductors,sci.electronics.components,rec.ham-radio,rec.radio.amatuer.homebrew,alt.radio.pirate

Why the heck are RF power transistors so darn expensive!!!

Is there any cheap Asian source or cross for some of the popular
motorola MRF types?? Or the European BLU, BLX BLV types??

I need a high volume source and a good price!!!!

From 5826598112270415360
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5df41dfd4edab61d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105207,5df41dfd4edab61d
X-Google-Attributes: gid105207,public
X-Google-Thread: fbf28,5df41dfd4edab61d
X-Google-Attributes: gidfbf28,public
X-Google-Thread: 11412d,5df41dfd4edab61d
X-Google-Attributes: gid11412d,public
X-Google-Thread: 1118be,5df41dfd4edab61d
X-Google-Attributes: gid1118be,public
From: Art Rosenblum <artr@netaxs.com>
Subject: Re: Q: Where can I get cheap RF power transistors?
Date: 1996/07/02
Message-ID: <Pine.SUN.3.94.960702192412.27558B-100000@unix2.netaxs.com>#1/1
X-Deja-AN: 163370969
references: <4rba2p$s76@aphex.direct.ca>
to: terry moreau <tmoreau@direct.ca>
content-type: TEXT/PLAIN; charset=US-ASCII
organization: Net Access - Philadelphia's Original ISP
mime-version: 1.0
newsgroups: sci.engr.semiconductors,sci.electronics.components,rec.ham-radio,rec.radio.amatuer.homebrew,alt.radio.pirate

Dear Terry,
I have no answer but seek the same as you. Please tell us when you find it. -Art

On Tue, 2 Jul 1996, terry moreau wrote:

> Why the heck are RF power transistors so darn expensive!!!

>
> Is there any cheap Asian source or cross for some of the popular
> motorola MRF types?? Or the European BLU, BLX BLV types??
>
> I need a high volume source and a good price!!!!
>
>
>

```
From 6235984154823595 80
```

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5df41dfd4edab61d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11412d,5df41dfd4edab61d
X-Google-Attributes: gid11412d,public
X-Google-Thread: 105207,5df41dfd4edab61d
X-Google-Attributes: gid105207,public
X-Google-Thread: fbf28,5df41dfd4edab61d
X-Google-Attributes: gidfbf28,public
X-Google-Thread: 1118be,5df41dfd4edab61d
X-Google-Attributes: gid1118be,public
From: dschmidt@rain.org (David G. Schmidt)
Subject: Re: Q: Where can I get cheap RF power transistors?
Date: 1996/07/03
Message-ID: <4rcdo3$h74@news.rain.org>#1/1
X-Deja-AN: 163379646
references: <4rba2p$s76@aphex.direct.ca>
<Pine.SUN.3.94.960702192412.27558B-100000@unix2.netaxs.com>
followup-to: sci.engr.semiconductors,sci.electronics.components,rec.ham-
radio,rec.radio.amatuer.homebrew,alt.radio.pirate
organization: RAIN Public Access Internet (805) 967-RAIN
newsgroups: sci.engr.semiconductors,sci.electronics.components,rec.ham-
radio,rec.radio.amatuer.homebrew,alt.radio.pirate
```

Well, what may be high cost may really be dealer markup. Log onto
Motorola's web page and do a price lookup on some of the transistors you
are looking for. Most of the prices are in 20 piece increments but if you
are looking for a lot, or want to do a bulk buy with someone else, 20
isn't a lot. BTW, you also need to haggle with Motorola distributors for
a better prices, at least ask them to match what Motorola says they should
cost.

: > Why the heck are RF power transistors so darn expensive!!!

```
---------------------------------------------------------------------------
( DSchmidt Technologies, Ventura CA         http://www.rain.org/~dschmidt )
( Freq selectors for FME/FMX/FM25, DTMF decoders. Email dschmidt@rain.org )
---------------------------------------------------------------------------
```

From -740350608491737807
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5df41dfd4edab61d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11412d,5df41dfd4edab61d
X-Google-Attributes: gid11412d,public
X-Google-Thread: 105207,5df41dfd4edab61d
X-Google-Attributes: gid105207,public
X-Google-Thread: fbf28,5df41dfd4edab61d
X-Google-Attributes: gidfbf28,public
X-Google-Thread: 1118be,5df41dfd4edab61d
X-Google-Attributes: gid1118be,public
From: jlundgre@delta1.deltanet.com (John Lundgren)
Subject: Re: Q: Where can I get cheap RF power transistors?
Date: 1996/07/03
Message-ID: <4rclei$rb6@news02.deltanet.com>#1/1
X-Deja-AN: 163400858
references: <4rba2p$s76@aphex.direct.ca>
followup-to: sci.engr.semiconductors,sci.electronics.components,rec.ham-radio,rec.radio.amatuer.homebrew,alt.radio.pirate
organization: Delta Internet Services, Anaheim, CA
newsgroups: sci.engr.semiconductors,sci.electronics.components,rec.ham-radio,rec.radio.amatuer.homebrew,alt.radio.pirate

terry moreau (tmoreau@direct.ca) wrote:
: Why the heck are RF power transistors so darn expensive!!!

Because they keep burning out, and you are only buying a small quantity!!

: Is there any cheap Asian source or cross for some of the popular
: motorola MRF types?? Or the European BLU, BLX BLV types??

We need an xref for those european types, I guess.

: I need a high volume source and a good price!!!!

Try http://www.digikey.com or www.mouser.com.

```
--
#======P=G=P==k=e=y==a=v=a=i=l=a=b=l=e==u=p=o=n==r=e=q=u=e=s=t======#
|    John Lundgren - Elec Tech - Info Tech Svcs. |    jlundgre@     |
|    Rancho Santiago Community College District  |   deltanet.com   |
|     17th St at Bristol \ Santa Ana, CA 92706   | http://www.rancho|
| My opinions are my own, and not my employer's. |    .cc.ca.us     |
|   Most FAQs are available through Thomas Fine's WWW FAQ archive:  |
|http://www.cis.ohio-state.edu:80/hypertext/faq/usenet/FAQ-List.html|
|      "You can flame your brains out -- it won't take long."       |
#===T=u=z=l=a==C=o=m=p=a=n=y=.=.===t=h=r=e=e='=s==L=e==C=r=o=w=d=!==#
```

From -2197619256501967974
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5f4392f205849ac1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,5f4392f205849ac1,start
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,5f4392f205849ac1,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10e8ad,5f4392f205849ac1,start
X-Google-Attributes: gid10e8ad,public
X-Google-Thread: fa656,5f4392f205849ac1,start
X-Google-Attributes: gidfa656,public
From: "Tim" <tim@futureone.com>
Subject: WRC-97 Information
Date: 1996/07/03
Message-ID: <01bb68b2.d7ecac20$d3b667ce@observer>#1/1
X-Deja-AN: 163442409
organization: FutureOne
newsgroups: rec.ham-radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

Keep up to date with the latest informaiton on WRC-97 and the Amateur
Radio Ham Bands at Web Site:

http://www.futureone.com/~tim/wrc/

73's
Tim

From -7441746148087542918
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6b7db8f3b4b4927,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a6b7db8f3b4b4927,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,a6b7db8f3b4b4927,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa029,a6b7db8f3b4b4927,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 114cd0,a6b7db8f3b4b4927,start
X-Google-Attributes: gid114cd0,public
X-Google-Thread: 159363,a6b7db8f3b4b4927,start
X-Google-Attributes: gid159363,public
X-Google-Thread: f76e2,a6b7db8f3b4b4927,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fcc6e,a6b7db8f3b4b4927,start

```
X-Google-Attributes: gidfcc6e,public
From: jmiles@cyberus.ca (Jason Miles)
Subject: Kenwood TM-742 6m/2m/70cm FORSALE
Date: 1996/07/03
Message-ID: <4reqmr$oc@cybernews.cyberus.ca>#1/1
X-Deja-AN: 163553866
content-type: Text/Plain; charset=ISO-8859-1
organization: Cyberus Online Inc.
mime-version: 1.0
newsgroups:
rec.radio.scanner,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.
amateur.misc,fidonet.ham,rec.ham-radio,rec.ham-
radio.swap,slac.rec.ham_radio,su.org.ham-radio,rec.radio.swap,tnn.radio.amateur


VE3TYG Has the following item for sale :

MUST GO ! HF RADIO ON THE WAY !
Kenwood TM 742 Mobile FM
     6 Meter Module Installed
     2 Meter Module Installed
     70 Centimeter Module Installed
     All Modules Expanded RX
     Detatchable Faceplate
     Service Manual Available
     Original Box Included
     Near Mint Condition
     Antenna & Triplexer Included

     Asking $1200
Contact Jason VE3TYG if interested at (613) 828-2534
or jmiles@cyberus.ca




From -3928733526256583060
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,151ead7fe8fdd056,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 159363,151ead7fe8fdd056,start
X-Google-Attributes: gid159363,public
X-Google-Thread: 107ada,151ead7fe8fdd056,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,151ead7fe8fdd056,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,151ead7fe8fdd056,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fcc6e,151ead7fe8fdd056,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 114cd0,151ead7fe8fdd056,start
X-Google-Attributes: gid114cd0,public
X-Google-Thread: fa029,151ead7fe8fdd056,start
```

```
X-Google-Attributes: gidfa029,public
From: jmiles@cyberus.ca (Jason Miles)
Subject: ICOM Dualband Handheld FORSALE
Date: 1996/07/03
Message-ID: <4reqof$oc@cybernews.cyberus.ca>#1/1
X-Deja-AN: 163553867
content-type: Text/Plain; charset=ISO-8859-1
organization: Cyberus Online Inc.
mime-version: 1.0
newsgroups:
rec.radio.scanner,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.
amateur.misc,fidonet.ham,rec.ham-radio,rec.ham-
radio.swap,slac.rec.ham_radio,su.org.ham-radio,rec.radio.swap,tnn.radio.amateur


VE3TYG Has the following item for sale :

MUST GO ! HF RADIO ON THE WAY !
Icom W2A Handheld
     2 Meter / 70 Centimeter
     Both Modules Expanded RX
     BP84 Battery & Wall Charger
     External Speaker Mic Included
     Mint Condition NOT A SCRATCH ON RADIO

     Asking $400
Contact Jason VE3TYG if interested at (613) 828-2534
or jmiles@cyberus.ca




From 7740450131764282768
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5df41dfd4edab61d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105207,5df41dfd4edab61d
X-Google-Attributes: gid105207,public
X-Google-Thread: 11412d,5df41dfd4edab61d
X-Google-Attributes: gid11412d,public
X-Google-Thread: fbf28,5df41dfd4edab61d
X-Google-Attributes: gidfbf28,public
X-Google-Thread: 1118be,5df41dfd4edab61d
X-Google-Attributes: gid1118be,public
From: Ulf Persson <ekaulpe@eka.ericsson.se>
Subject: Re: Q: Where can I get cheap RF power transistors?
Date: 1996/07/04
Message-ID: <4rglsd$6ti@erinews.ericsson.se>#1/1
X-Deja-AN: 163677853
references: <4rba2p$s76@aphex.direct.ca>
to: tmoreau@direct.ca
content-type: text/plain; charset=us-ascii
organization: Ericsson Components AB
```

mime-version: 1.0
newsgroups: sci.engr.semiconductors,sci.electronics.components,rec.ham-radio,rec.radio.amatuer.homebrew,alt.radio.pirate
x-mailer: Mozilla 1.22 (Windows; I; 16bit)

Dear Terry,

I'm an applications engineer at Ericsson Components, RF-power products in Sweden. We have a broad range of RF-power transistors for various applications but mostly in cellular radio frequencies. We are one of the biggest suppliers in the world for these kinds of transistors and I believe I can say that we always have better pricing than Motorola.

You are welcome to come back to us for more information. You can either contact me or maybe even more convenient for you is to contact our headquarter in Morgan Hill, California; +1 408 778 9434. Ask for Harold Barmore, sales manager or Larry Leighton, engineering manager.

See also www.ericsson.se/EPI/BK/Access/rftran.html for some product info.

Kind regards // Ulf Persson +46 8 404 6199

From -2382145044572965634
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b9fa2c9a9cb9d07,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,4b9fa2c9a9cb9d07,start
X-Google-Attributes: gid114aac,public
From: kgarrels@gecko.swb.de (Kai Garrels)
Subject: Macintosh Showrtwave prediction program?
Date: 1996/07/12
Message-ID: <19960712182724210630r43.rhein-neckar.netsurf.de>#1/1
X-Deja-AN: 168019100
organization: At Home
newsgroups: rec.radio.shortwave,rec.ham-radio

Hi,

I am a lonely Mac user in SWL-world and I am wondering whether there is a good probagation prediction program for Macs.

I know MacShortwave, but it doesn't suit all my needs and crashes occasional.

Any suggestions?

P.S.: Is there any source-code for this task? I could try to port it to Mac if I find something good...
--
This document is a computer generated message.
It is valid without signature.

From -8293652997980943262
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b9fa2c9a9cb9d07
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,4b9fa2c9a9cb9d07
X-Google-Attributes: gid114aac,public
From: cps@access.digex.net (Chris Smolinski)
Subject: Re: Macintosh Showrtwave prediction program?
Date: 1996/07/12
Message-ID: <cps-1207962228320001@newsreader.digex.net>#1/1
X-Deja-AN: 168118811
references: <1996071218272421063@r43.rhein-neckar.netsurf.de>
organization: Express Access Online Communications, USA
newsgroups: rec.radio.shortwave,rec.ham-radio

In article <1996071218272421063@r43.rhein-neckar.netsurf.de>,
kgarrels@gecko.swb.de (Kai Garrels) wrote:

> Hi,
>
> I am a lonely Mac user in SWL-world and I am wondering whether there is
> a good probagation prediction program for Macs.
>
> I know MacShortwave, but it doesn't suit all my needs and crashes
> occasional.
>
> Any suggestions?

Check out the various shareware Mac radio related programs I have up on my web page, the URL is http://www.access.digex.net/~cps/sss.html. One is MacProp, a propagation forecaster.

Chris

--
```
-----------------------------------------------------------------------------
|Check out my WWW page at http://www.access.digex.net/~cps/ for scientific   |
|software for the Mac, Free Radio, Shortwave Radio, and Spy Numbers Stations |
|information.                                                                |
|Finger me (cps@access.digex.net) for my PGP Public Key                      |
 -----------------------------------------------------------------------------
```

From -7284017591389066936
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2045d389464e50cf,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fdbb7,2045d389464e50cf,start
X-Google-Attributes: gidfdbb7,public
X-Google-Thread: fddbf,2045d389464e50cf,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,2045d389464e50cf,start
X-Google-Attributes: gidf76e2,public
From: "Tim" <towers@futureone.com>
Subject: Hamfest
Date: 1996/07/17
Message-ID: <01bb7444.ed552900$c5b667ce@observer>#1/1
X-Deja-AN: 169679144
organization: FutureOne
reply-to: towers@futureone.com
newsgroups: alt.radio.amateur.club.clarc,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap

Hamfest, Fort Tuthill In Flagstaff, Arizona
July 19, 20, 21, 1996
Arizona's Largest Hamfest

For More Information: http://www.geocities.com/RainForest/2425/

From 7842349262575382624
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,a8eed0e1fb58e205,start
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,a8eed0e1fb58e205,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a8eed0e1fb58e205,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 114a57,a8eed0e1fb58e205,start
X-Google-Attributes: gid114a57,public
X-Google-Thread: f76e2,a8eed0e1fb58e205,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,a8eed0e1fb58e205,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a8eed0e1fb58e205,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fb049,a8eed0e1fb58e205,start
X-Google-Attributes: gidfb049,public
From: pretzel@pobox.com (Bill Hetzel)
Subject: Where to find swinging/locking mobile antenna base
Date: 1996/07/30

```
Message-ID: <4tlpv0$ffv@news-e2b.gnn.com>#1/1
X-Deja-AN: 171139255
sender: pretzel@gnn.com (Bill Hetzel) (from 25-210.client.gnn.com. 205.188.25.210)
x-gnn-newsserver-posting-date: 30 Jul 1996 20:05:52 GMT
content-type: text/plain; charset="us-ascii"
organization: GNN
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.fm,alt.ham-
radio.hf,alt.ham-radio.vhf-
uhf,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur,rec.ra
dio.amateur.misc,rec.radio.amateur.swap
x-mailer: GNNmessenger 1.3
```

Where can i find a mobile antenna base that will easily swing down 90 degrees
to lie flat along the roof?

I want to mount it outside the drivers window, on the gutter or roof, and be
able to reach out the window to lay the antenna flat as necessary.

I am sure i have seen something like this. It was some kind of ball-joint
with detents at 90 deg. to hold the antenna in place.

It should be able to hold a standard 5/8 wave 2-m antenna.

I need to get this soon for an upcoming road trip. Thanks much for any help
in finding this antenna.

Bill Hetzel
pretzel@pobox.com
510-632-5670
(please respond by email, as my news connection is flakey)

```
From 1947498020153551266
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1091c5,a8eed0e1fb58e205
X-Google-Attributes: gid1091c5,public
X-Google-Thread: 10c9e3,a8eed0e1fb58e205
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,a8eed0e1fb58e205
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,a8eed0e1fb58e205
X-Google-Attributes: gidfa656,public
X-Google-Thread: fcc6e,a8eed0e1fb58e205
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: f76e2,a8eed0e1fb58e205
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fb049,a8eed0e1fb58e205
```

```
X-Google-Attributes: gidfb049,public
X-Google-Thread: 114a57,a8eed0e1fb58e205
X-Google-Attributes: gid114a57,public
From: Dave Booth <booth@pactitle.com>
Subject: Re: Where to find swinging/locking mobile antenna base
Date: 1996/07/31
Message-ID: <31FFFB37.1CFB@pactitle.com>#1/1
X-Deja-AN: 171313254
references: <4tlpv0$ffv@news-e2b.gnn.com>
to: Bill Hetzel <pretzel@pobox.com>
content-type: text/plain; charset=us-ascii
organization: KC6WFS
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-radio.swap,alt.ham-radio.fm,alt.ham-
radio.hf,alt.ham-radio.vhf-
uhf,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur,rec.ra
dio.amateur.misc,rec.radio.amateur.swap
x-mailer: Mozilla 2.02 (X11; I; IRIX 5.3 IP19)


Bill Hetzel wrote:
>
> Where can i find a mobile antenna base that will easily swing down 90 degrees
> to lie flat along the roof?
>
> I want to mount it outside the drivers window, on the gutter or roof, and be
> able to reach out the window to lay the antenna flat as necessary.
>
> I am sure i have seen something like this.  It was some kind of ball-joint
> with detents at 90 deg. to hold the antenna in place.
>
> It should be able to hold a standard 5/8 wave 2-m antenna.
>
> I need to get this soon for an upcoming road trip.  Thanks much for any help
> in finding this antenna.
>
> Bill Hetzel
> pretzel@pobox.com
> 510-632-5670
> (please respond by email, as my news connection is flakey)

the nicer DIAMOND antenns will do that...
http://www.geocities.com/Hollywood/5860
have fun......  kc6wfs
--
Dave Booth




From -1279356654516887O4
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f278fc302e1bca33
X-Google-Attributes: gid10c9e3,public
```

X-Google-Thread: f9356,f278fc302e1bca33
X-Google-Attributes: gidf9356,public
X-Google-Thread: fcc6e,f278fc302e1bca33
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fa656,f278fc302e1bca33
X-Google-Attributes: gidfa656,public
X-Google-Thread: fc2a5,f278fc302e1bca33
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f76e2,f278fc302e1bca33
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 11480d,f278fc302e1bca33
X-Google-Attributes: gid11480d,public
X-Google-Thread: 108122,f278fc302e1bca33
X-Google-Attributes: gid108122,public
From: bry1@erols.com (Bry)
Subject: Re: Schematic for Motorola power amp/ Wanted
Date: 1996/07/31
Message-ID: <4tnhf1$27e@news6.erols.com>#1/1
X-Deja-AN: 171344011
references: <01bb78b3.2c9ebbe0$1cf612c7@das95sv>
organization: Erols - the ISP with USELESS Newsgroup access!
reply-to: bry1@erols.com
newsgroups: dc.ham-radio,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.swap

"David Stansberry" <davidsta@cannet.com> scribbled:

#>I need the schematic for a Motorola power amp Model #N1274A. This is a 2
#>meter 65 + watt amp. Thanks in advance!!

#>73's
#>Kc8eey

Try these sources:MANUALS: List by AF4K updated 25-MAR-96
########

Updated copies downloadable from BBSes at:
(301) 681-7782, (301) 942-2218, (301) 299-3292, (301) 563-1306
(301) 417-6952, (202) 619-1494, (202) 208-7679, (301) 933-8251

FTP site is at ftp.Lehigh.EDU. Login as anonymous, and use your
e-mail address as the password.
FTP: ftp://ftp.lehigh.edu/pub/listserv/qrp-l/misc/megalist.txt
WWW: http://qrp.cc.nd.edu/QRP-L/index.html
WWW: http://www.nd.edu/~shideg/

DOWNLOAD as MEGALIST.ZIP or individually as:
megalist.txt
manuals.txt
dealers.txt

```
tubes.txt
xtals.txt
========

Tech Systems                  (800) 435-1516
1309 Hwy 71
Belmar, NJ 07719
                              Test equipment and manuals (HP, Tek, etc..)


Robert Fowle                  (517) 789-6721
The Hammarlund guy
Hamrlund@aol.com
1215 Winifred                 Hammarlund & Collins manuals etc.
Jackson, Mich.  49202-1946    sales catalogs, Sams etc.


Eico Electronic Instruments Co., Inc.
363 Merrick Rd
Lynbrook NY 11563
Note: No current kits, EICO manuals and schematics only


Alton H. Bowman               No phone number given
4172 East Avenue              radio, TV, amateur, misc.
Canandaigua, NY 14424-9564    Schematics & info 1920 - 1970


Charles Larus, K4CAD
5421 Tuckahoe Lane
Richmond, VA 23226            Heathkit & other manuals, copies.


Brock Publications            (619) 757-0372
P.O. Box 5004
Oceanside, CA 92052           Swan, Cubic, Siltronix, Atlas manuals


ckimber@infowest.com


K9FG Vintage Manuals          (800) 807-6146
Address needed


Manuals Plus                 (206) 531-8031
P.O. Box 937                 (206) 536-1121 (fax)
Spanaway, WA  98387-0937     Test equipment manuals, no catalog
Office Hours: 8:30 a.m. - 4:00 p.m. Pacific Time, M-F


Pete Markavage                (908) 238-8964
27 Walling Street             Send two 29c stamps for a catalog.
```

Sayreville, NJ 08872   3,000 amateur & related manuals.
manuals

W7FG Vintage Manuals   (800) 807-6146
3300 Wayside Drive
Bartlesville, OK 74006   SASE for catalog or call.

The Manual Man   (908) 238-8964
Pete Markavage
27 Walling Street
Sayreville, NJ 08872

Harris Semiconductor
Applications sheets and data sheets via Internet!
Harris' web page is http://rel.semi.harris.com:80/

Hi-Manuals   No phone number given
Box 802
Council Bluffs, IA 51502   Catalog $2.00

Jay Stanfield
3212 Rita Lane
Fort Worth, Tx 76117   Jay has a lot of Heathkits and manuals

Deane E. Kidd, W7TYR   (503) 625 7363
27270 SW Ladd Hill Road,
Sherwood, OR 97140.

East Coast Transistor Parts, Inc. (800) 637-0388
2 Marlborough Road,
West Hempstead, N.Y. 11552

Miles Gillie   (919) 847-2489
Address needed
c/o Internet address: miles.gillie@mms.raleigh.nc
Or via Newsgroups: rec.radio.amateur.homebrew
Manuals for Sw radios, commercial 2-way etc. $15.00 each

Motorola Semiconductor
Applications sheets and data sheets via Internet!
Motorola's page is at http://motserv.indirect.com/

AG Tannenbaum Co.,   (516) 887-0057
POB 110,
East Rockaway, NY 11518   Manuals

###
If you have additions, send them to me and I'll gladly add them to this list. Most of these companies will gladly send you a catalogue if you call or write requesting one. Also, if you find that one or two of these companies are out of business, PLEASE drop me a message & let me know about it so I can delete them!

This list was prepared by AF4K, Brian Carling 23 Mar, 1996
Please send additional sources for inclusion in this list.
brian.carling@acenet.com

#>davidsta@cannet.com

Hello from Washington, DC - home of the WASHINGTON CAPITALS ice hockey team. Watch for them next season!

From -8841822342318338067
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,52cde96b1f14438f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,52cde96b1f14438f,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,52cde96b1f14438f,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,52cde96b1f14438f,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1009ad,52cde96b1f14438f,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,52cde96b1f14438f,start
X-Google-Attributes: gidfa029,public
From: bspang@rtd.com (Bill Spang)
Subject: Icom ICw2A, 2M/70CM HT for sale
Date: 1996/07/31
Message-ID: <31ffa278.9102408@news.rtd.com>#1/1
X-Deja-AN: 171482374
organization: P.E.T.A. <People Eating Tasty Animals>
reply-to: bspang@rtd.com
newsgroups: alt.radio.scanner,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.scanner

For sale:

Icom IC-W2A HT in excellent condition, comes with all the usual factory included accessories and a HM-65 spkr/mic , CP-13 Cig.ltr. adapter (filtered), OPC-288 direct power lead (un-filtered).
Price: $300.00 +shipping from Tucson,AZ

Please reply to this via e-mail

From -4805995111570333895
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2f6dbf3eed05bc6c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f508e,2f6dbf3eed05bc6c,start
X-Google-Attributes: gidf508e,public
X-Google-Thread: f76e2,2f6dbf3eed05bc6c,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,2f6dbf3eed05bc6c,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 114671,2f6dbf3eed05bc6c,start
X-Google-Attributes: gid114671,public
X-Google-Thread: fcc6e,2f6dbf3eed05bc6c,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fb2f3,2f6dbf3eed05bc6c,start
X-Google-Attributes: gidfb2f3,public
X-Google-Thread: f68a8,2f6dbf3eed05bc6c,start
X-Google-Attributes: gidf68a8,public
From: "Earle Fraser" <fraser@gold.iap.net.au>
Subject: Lotsa Radio, Electronics (mainly Amateur Radio) Links
Date: 1996/08/09
Message-ID: <01bb8607$d41bb7e0$b9d217cb@fraser.gold.iap.net.au>#1/1
X-Deja-AN: 173184887
content-type: text/plain; charset=ISO-8859-1
organization: FRASER INTEGRATION
mime-version: 1.0
newsgroups:
aus.radio.amateur.digital,aus.radio.amateur.misc,aus.radio.amateur.wicen,aus.radio.broadcast,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.eq

Hello World,

Just a quick message to let you know that I have updated my homepage which contains a whole lot of links for Amateur Radio, Electronics, Computers and other various links.

For a looksie, take a ride to http://gold.iap.net.au/~fraser

You won't be disappointed.

73's to all.

From -4832255610227724268
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: f4535,1a35e4cf6b21a759,start
X-Google-Attributes: gidf4535,public
X-Google-Thread: 10c9e3,1a35e4cf6b21a759,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,1a35e4cf6b21a759,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fda75,1a35e4cf6b21a759,start
X-Google-Attributes: gidfda75,public
X-Google-Thread: f76e2,1a35e4cf6b21a759,start
X-Google-Attributes: gidf76e2,public
From: bmoore@io.org (Barry Moore)
Subject: FS: 1 Pair of 6146B's - $20 for the Pair
Date: 1996/08/11
Message-ID: <4uleuu$1pi@news1.io.org>#1/1
X-Deja-AN: 173563850
organization: Internex Online (io.org), Toronto, Ontario, Canada
newsgroups: torfree.for-sale,rec.ham-radio,rec.ham-
radio.swap,rec.audio.tubes,rec.antiques.radio+phono


I have a pair of 6146B Final tubes for sale.  Worked fine when removed
from service.  I no longer own the transmitter they came from, so the
tubes are for sale.

$20US + shipping.

Reply by email to bmoore@io.org

Regards.... BM




From 1331278040517562271
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,44f699031cefba87,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,44f699031cefba87,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fcc6e,44f699031cefba87,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 11480d,44f699031cefba87,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: 115af6,44f699031cefba87,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: f7653,44f699031cefba87,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: fc2a5,44f699031cefba87,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f76e2,44f699031cefba87,start
X-Google-Attributes: gidf76e2,public
From: "James Van Houten" <jdvh@jdvh.com>
Subject: New Ham Radio Discussion Area on the Web!
```

```
Date: 1996/08/13
Message-ID: <01bb88d0$b49bb8e0$81a4b1cd@me.xxx.com>#1/1
X-Deja-AN: 173835692
content-type: text/plain; charset=ISO-8859-1
organization: J. D. Van Houten & Associates
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-
radio.swap,rec.radio,rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.
radio.amateur.dx,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amate
ur.policy,rec.radio.amateur.space,rec
```

Hello All,

Will keep it short and to the point. There is a new resource for Ham radio topics. It is on the web. Come on over and visit http://www.coronetsec.com/hamradio. All hamradio topics welcome. Hope to see you there soon.

Jim
KA3TTU

ps. Don't forget to tell all of your non-newsgroup readin' friends!! :-)

```
--
----------------------------------------------------------------------------
----------
James Van Houten     http://www.coronetsec.com/hamradio
----------------------------------------------------------------------------
----------
```

```
From 7863261421281822705
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43d0a233e9f3ab01,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,43d0a233e9f3ab01,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,43d0a233e9f3ab01,start
X-Google-Attributes: gidfa656,public
From: Don Casella <dcasella@ctonline.net>
Subject: Installation in Toyota 4Runner?
Date: 1996/08/13
Message-ID: <32105090.433@ctonline.net>#1/1
X-Deja-AN: 173967456
organization: Zippo
content-type: text/plain; charset=us-ascii
mime-version: 1.0
newsgroups: rec.radio.amateur.equipment,rec.ham-radio,rec.radio.amateur
x-mailer: Mozilla 2.01KIT (Win95; U)
```

I'm wondering if anyone knows how to get through the firewall of a
Toyota 4-Runner? I want to run both 12 volts and coax thru for 2
meters. I have an on-glass antenna now, and ran 12 volts to the
fusebox, but this is temporary. I want to mount an antenna on the side
of the hood.

Thanks...Don - KD1EU

From -1728794102320085422
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43d0a233e9f3ab01
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,43d0a233e9f3ab01
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,43d0a233e9f3ab01
X-Google-Attributes: gidfa656,public
From: N3WUU <steves@clark.net>
Subject: Re: Installation in Toyota 4Runner?
Date: 1996/08/14
Message-ID: <32121523.3C84@clark.net>#1/1
X-Deja-AN: 174172415
references: <32105090.433@ctonline.net>
to: Don Casella <dcasella@ctonline.net>
content-type: text/plain; charset=us-ascii
organization: Clark Internet Services, Inc.
mime-version: 1.0
newsgroups: rec.radio.amateur.equipment,rec.ham-radio,rec.radio.amateur
x-mailer: Mozilla 2.02 (Win95; I)

Don Casella wrote:
>
> I'm wondering if anyone knows how to get through the firewall of a
> Toyota 4-Runner? I want to run both 12 volts and coax thru for 2
> meters. I have an on-glass antenna now, and ran 12 volts to the
> fusebox, but this is temporary. I want to mount an antenna on the side
> of the hood.
>
> Thanks...Don - KD1EU

Remove the front passenger interior kickplate. Remove the computer. Above and
forward of the computer is a large (2.5-3") rubber gromet.
Put a slit in the gromet and feed away. I run vhf (50w) and uhf (35w) with no
computer problems.
****
73 de N3WUU
SSiegel@nea.org
Steves@clark.net

From 1201045838003943913
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43d0a233e9f3ab01
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,43d0a233e9f3ab01
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,43d0a233e9f3ab01
X-Google-Attributes: gidfa656,public
From: Danny Smith <danny.smith@worldnet.att.net>
Subject: Re: Installation in Toyota 4Runner?
Date: 1996/08/14
Message-ID: <32129462.63AA@worldnet.att.net>#1/1
X-Deja-AN: 174455984
references: <32105090.433@ctonline.net>
content-type: text/plain; charset=us-ascii
organization: AT&T WorldNet Services
mime-version: 1.0
newsgroups: rec.radio.amateur.equipment,rec.ham-radio,rec.radio.amateur
x-mailer: Mozilla 2.01E (Win95; U)

Don Casella wrote:
>
> I'm wondering if anyone knows how to get through the firewall of a
> Toyota 4-Runner? I want to run both 12 volts and coax thru for 2
> meters. I have an on-glass antenna now, and ran 12 volts to the
> fusebox, but this is temporary. I want to mount an antenna on the side
> of the hood.
>
> Thanks...Don - KD1EUYou can also find rubber gromet openings under the floor carpets
by the driver and passenger seats.

Look under the car for these. They are black and look like
freeze plug punch outs. I ran my power cables that way up
through some "channels" in the frame and right to the battery.

From -8511839402051492757
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43d0a233e9f3ab01
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,43d0a233e9f3ab01
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,43d0a233e9f3ab01
X-Google-Attributes: gidfa656,public
From: mcolvin@calweb.com (Michael Colvin)
Subject: Re: Installation in Toyota 4Runner?
Date: 1996/08/15
Message-ID: <4uu5fi$eb5@news.calweb.com>#1/1

X-Deja-AN: 174273870
references: <32105090.433@ctonline.net>
organization: CalWeb Internet Services, Inc.
nntp-posting-user: account=mcolvin
newsgroups: rec.radio.amateur.equipment,rec.ham-radio,rec.radio.amateur

Don Casella <dcasella@ctonline.net> wrote:

>I'm wondering if anyone knows how to get through the firewall of a
>Toyota 4-Runner? I want to run both 12 volts and coax thru for 2
>meters. I have an on-glass antenna now, and ran 12 volts to the
>fusebox, but this is temporary. I want to mount an antenna on the side
>of the hood.

>Thanks...Don - KD1EU

What year 4 runner?

From -1077995971667895252
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43d0a233e9f3ab01
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,43d0a233e9f3ab01
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,43d0a233e9f3ab01
X-Google-Attributes: gidfa656,public
From: Danny Smith <danny.smith@worldnet.att.net>
Subject: Re: Installation in Toyota 4Runner?
Date: 1996/08/15
Message-ID: <3213F2E8.7A4@worldnet.att.net>#1/1
X-Deja-AN: 174642261
references: <32105090.433@ctonline.net> <4uu5fi$eb5@news.calweb.com>
content-type: text/plain; charset=us-ascii
organization: AT&T WorldNet Services
mime-version: 1.0
newsgroups: rec.radio.amateur.equipment,rec.ham-radio,rec.radio.amateur
x-mailer: Mozilla 2.01E (Win95; U)

I hMichael Colvin wrote:
>
> Don Casella <dcasella@ctonline.net> wrote:
>
> >I'm wondering if anyone knows how to get through the firewall of a
> >Toyota 4-Runner? I want to run both 12 volts and coax thru for 2
> >meters. I have an on-glass antenna now, and ran 12 volts to the

> >fusebox, but this is temporary. I want to mount an antenna on the side
> >of the hood.
>
> >Thanks...Don - KD1EU
>
> What year 4 runner?
> I have done this on a 1992 and currently have on my 1995.

I really had trouble finding that hole in the wall that was
mentioned on here at the time I installed my radio.

I put a Kenwood 742 remote unit in the little cubby holes in
the very back, ran the cable/control/power up to the
back passenger seats. Ran the power through the floor, and
the control cables up the console area.

Worked out pretty well.

I need to install through the roof antennas now. Havn't taken
off the head liner, that might be a huge task? ANYONE DONE IT?

I do know better than to drill the holes in the roof right
on the cross-beams. I have seen people make that mistake before.

```
From -9069150339085269826
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,44f699031cefba87
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,44f699031cefba87
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f7653,44f699031cefba87
X-Google-Attributes: gidf7653,public
X-Google-Thread: 11480d,44f699031cefba87
X-Google-Attributes: gid11480d,public
X-Google-Thread: f76e2,44f699031cefba87
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc2a5,44f699031cefba87
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 115af6,44f699031cefba87
X-Google-Attributes: gid115af6,public
X-Google-Thread: fcc6e,44f699031cefba87
X-Google-Attributes: gidfcc6e,public
From: Dave Booth <booth@pactitle.com>
Subject: Re: New Ham Radio Discussion Area on the Web!
Date: 1996/08/16
Message-ID: <32152A10.41C6@pactitle.com>#1/1
X-Deja-AN: 174776845
references: <01bb88d0$b49bb8e0$81a4b1cd@me.xxx.com>
to: James Van Houten <jdvh@jdvh.com>
content-type: text/plain; charset=us-ascii
```

```
organization: KC6WFS
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-
radio.swap,rec.radio,rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.
radio.amateur.dx,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amate
ur.policy,rec.radio.amateur.space,rec
x-mailer: Mozilla 2.02 (X11; I; IRIX 5.3 IP19)


James Van Houten wrote:
>
> Hello All,
>
> Will keep it short and to the point.  There is a new resource for Ham radio
> topics.  It is on the web.  Come on over and visit
> http://www.coronetsec.com/hamradio  All hamradio topics welcome.  Hope to
> see you there soon.
>
> Jim
> KA3TTU
>
> ps.  Don't forget to tell all of your non-newsgroup readin' friends!!  :-)
> --
> ----------------------------------------------------------------------------
> ----------
> James Van Houten     http://www.coronetsec.com/hamradio
> ----------------------------------------------------------------------------
> ----------
I'll have to go and check it out!
http://www.geocities.com/Hollywood/5860
--
Dave Booth
kc6wfs dmo4rk



From 8791069311701482993
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,361f3e6785b2e394,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,361f3e6785b2e394,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 108122,361f3e6785b2e394,start
X-Google-Attributes: gid108122,public
From: krenn@zianet.com (Kevin Renn)
Subject: FS- HTX-202 RadioShack 2meter HT
Date: 1996/08/19
Message-ID: <32186dd8.0@nova.zianet.com>#1/1
X-Deja-AN: 175088561
organization: kevin
content-type: Text/Plain; charset=US-ASCII
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment
```

For Sale:
Radio Shack HTX-202 HT. Asking $140. Comes with radio, rechargable battery, another battery pack that works off 6 AA batterys, recharger/AC power supply, rubber ducky antenna, belt clip, and manual.
Radio is 1 yr old, seldom used.
If interested email me at: krenn@zianet.com
Kevin Renn
Las Cruces NM

From 1591555321179271733
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f4535,7a7d2fc37bb539bd,start
X-Google-Attributes: gidf4535,public
X-Google-Thread: 10c9e3,7a7d2fc37bb539bd,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,7a7d2fc37bb539bd,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fda75,7a7d2fc37bb539bd,start
X-Google-Attributes: gidfda75,public
X-Google-Thread: f76e2,7a7d2fc37bb539bd,start
X-Google-Attributes: gidf76e2,public
From: bmoore@io.org (Barry Moore)
Subject: FS: 1 Pair of 6146B's - $18 for the Pair
Date: 1996/08/19
Message-ID: <4v8of1$n89@news1.io.org>#1/1
X-Deja-AN: 175107773
organization: Internex Online (io.org), Toronto, Ontario, Canada
newsgroups: torfree.for-sale,rec.ham-radio,rec.ham-radio.swap,rec.audio.tubes,rec.antiques.radio+phono

I have a pair of 6146B Final tubes for sale. Worked fine when removed from service. I no longer own the transmitter they came from, so the tubes are for sale.

$18US + shipping.

Reply by email to bmoore@io.org

Regards.... BM

From -7223152809886433260
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43d0a233e9f3ab01
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 108122,43d0a233e9f3ab01
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,43d0a233e9f3ab01
X-Google-Attributes: gidfa656,public
From: Collier_Chun@ccm.hf.intel.com (Collier Chun)
Subject: Re: Installation in Toyota 4Runner?
Date: 1996/08/19
Message-ID: <4v9rn3$7l7@ornews.intel.com>#1/1
X-Deja-AN: 175169621
references: <32105090.433@ctonline.net> <32129462.63AA@worldnet.att.net>
organization: Intel Corporation
mime-version: 1.0
newsgroups: rec.radio.amateur.equipment,rec.ham-radio,rec.radio.amateur

In article <32129462.63AA@worldnet.att.net>, danny.smith@worldnet.att.net says...
>Don Casella wrote:
>>
>> I'm wondering if anyone knows how to get through the firewall of a
>> Toyota 4-Runner? I want to run both 12 volts and coax thru for 2
>> meters. I have an on-glass antenna now, and ran 12 volts to the
>> fusebox, but this is temporary. I want to mount an antenna on the side
>> of the hood.

In my '93, there's a rubber booted wire bundle running through the firewall in the
upper right
corner of the firewall. I ran 8 GA power straight back from the battery to a DC
power outlet
box just below the glovebox.

From -7715855171351846819
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a35e4cf6b21a759
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fda75,1a35e4cf6b21a759
X-Google-Attributes: gidfda75,public
X-Google-Thread: f76e2,1a35e4cf6b21a759
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10c2ee,1a35e4cf6b21a759
X-Google-Attributes: gid10c2ee,public

From: Ken <gold@nucleus.com>
Subject: Looking for microphones of any nature
Date: 1996/08/22
Message-ID: <321D2728.3933@nucleus.com>#1/1
X-Deja-AN: 175886954
references: <4uleuu$1pi@news1.io.org>
content-type: text/plain; charset=us-ascii
organization: AGT Advanced Communications
mime-version: 1.0
newsgroups: torfree.for-sale,rec.ham-radio,rec.ham-radio.swap,rec.antiques.radio+phono
x-mailer: Mozilla 2.02 (Win95; I)

Hello I'm intersted in purchasing microphones of all nature.
Models by RCA,Western Electric,Neumann,AKG,Shure,Electro-Voice,American,
Telefunken,Altec,Sony,Turner,Astatic, etc.
Check the cupboards,ascend into the attic,ask your neighbors and
get back to me for I'm waiting with a hot chequebook.
Thanks

From 334074285950200535
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9df7e254e3ba31f7,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,9df7e254e3ba31f7,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fcc6e,9df7e254e3ba31f7,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 13203e,9df7e254e3ba31f7,start
X-Google-Attributes: gid13203e,public
X-Google-Thread: f76e2,9df7e254e3ba31f7,start
X-Google-Attributes: gidf76e2,public
From: jdvh@jdvh.com (James Van Houten)
Subject: Ham Radio Discussion Group
Date: 1996/08/23
Message-ID: <4vk278$4ho@news2.cais.com>#1/1
X-Deja-AN: 175924303
organization: * * * M Y S E L F * * *
content-type: Text/Plain; charset=US-ASCII
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur.antenna,rec.radio.scanner.rec.radio.shortwave

Hello All,

Check out the ham radio are at http://www.coronetsec.com/hamradio.

Hope to see you there...

de KA3TTU

Jim

From 252151399541467367
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,43d0a233e9f3ab01
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,43d0a233e9f3ab01
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,43d0a233e9f3ab01
X-Google-Attributes: gidfa656,public
From: Jeff Stai <stai@brocadesouth.com>
Subject: Re: Installation in Toyota 4Runner?
Date: 1996/08/26
Message-ID: <3221D1FC.478C@brocadesouth.com>#1/1
X-Deja-AN: 176576337
references: <32105090.433@ctonline.net> <4uu5fi$eb5@news.calweb.com>
<3213F2E8.7A4@worldnet.att.net>
content-type: text/plain; charset=us-ascii
organization: BCSI
mime-version: 1.0
newsgroups: rec.radio.amateur.equipment,rec.ham-radio,rec.radio.amateur
x-mailer: Mozilla 2.0 (X11; I; SunOS 5.5 sun4m)

Danny Smith wrote:
>
> I hMichael Colvin wrote:
> >
> > Don Casella <dcasella@ctonline.net> wrote:
>
> I need to install through the roof antennas now. Havn't taken
> off the head liner, that might be a huge task? ANYONE DONE IT?
>
> I do know better than to drill the holes in the roof right
> on the cross-beams. I have seen people make that mistake before.

I have mounted an antenna on the back corners of the roof. Since
I have the sunroof and the roof rack, that was the only place left!
They have worked out well and perform very well at those locations
(440 and 6m). There is just enough room for a mount there, which is
accessible when you remove the back plastic cover along the top of
the rear window. You can then run your coax along the sides of the
headliner.

Be sure to buy antennas that fold over (like Comet) if you plan on
entering any parking garages...;-)

jeff stai

ke6knf
dm13
jds@deltanet.com
jds@advradio.com

```
From -2114314377067919246
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f4535,16fb1503366fb1e3,start
X-Google-Attributes: gidf4535,public
X-Google-Thread: 10c9e3,16fb1503366fb1e3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,16fb1503366fb1e3,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: fda75,16fb1503366fb1e3,start
X-Google-Attributes: gidfda75,public
X-Google-Thread: f76e2,16fb1503366fb1e3,start
X-Google-Attributes: gidf76e2,public
From: bmoore@io.org (Barry Moore)
Subject: FS: Vintage 1935-1936 Signal Training Manuals
Date: 1996/08/31
Message-ID: <508g39$g3d@news1.io.org>#1/1
X-Deja-AN: 177574523
organization: Internex Online (io.org), Toronto, Ontario, Canada
newsgroups: torfree.for-sale,rec.ham-radio,rec.ham-
radio.swap,rec.audio.tubes,rec.antiques.radio+phono
```

I have a set Vol 1 & 2 of Canadian Air Force Signal Training Manuals that were used to train Radio/Radar Techs in WW2. Covers are in poor condition... all pages intact... and handwritten notes throughout.

Very detailed treatment of electromagnetic theory, Field Theory,
AC Circuits, Tubes, Oscillators, Receivers, Transmitters, Antennas,
Wireless Transmission Phenomena, Direction Finding,
Batteries & Power Supplies

$10 O.B.O. + Shipping if required

Reply by email

Regards.... BM

```
From -2620423248371886250
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f4535,d1c718941af56ee1,start
X-Google-Attributes: gidf4535,public
X-Google-Thread: 10c9e3,d1c718941af56ee1,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-Thread: 108122,d1c718941af56ee1,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,d1c718941af56ee1,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fa656,d1c718941af56ee1,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 10c2ee,d1c718941af56ee1,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: f76e2,d1c718941af56ee1,start
X-Google-Attributes: gidf76e2,public
From: bry@mnsinc.com (Brian Carling)
Subject: New Web Site: MEGALIST + HAM RADIO + HOCKEY = Bry's Web Page!
Date: 1996/09/02
Message-ID: <50fblb$qja@news1.mnsinc.com>#1/1
X-Deja-AN: 178032427
distribution: inet
organization: Monument Network Services Inc.
reply-to: bry@mnsinc.com
newsgroups: rec.antiques.radio+phono,rec.radio.swap,rec.ham-radio,rec.radio.amateur.equipment,rec.ham-radio,rec.radio.amateur,rec.ham-radio.swap,rec.audio.tubes

MEGALIST + HAM RADIO + HOCKEY = Bry's Homepage

Where to buy tubes, parts, kits, radios accessories, YOU name it!
Plus links to MANY radio sites, hockey info etc.

Set your browser now to:

http://www.mnsinc.com/bry/index.html

ENJOY!
E-mail: brybry@juno.com
http://www.mnsinc.com/bry/index.html
TRY MY WEB-SITE please!
See if I look as ugly as you would expect!

From 6198552664644309049
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8748556adc4d88bd,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115af6,8748556adc4d88bd,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: 10c2ee,8748556adc4d88bd,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: 108c89,8748556adc4d88bd,start
X-Google-Attributes: gid108c89,public
X-Google-Thread: f76e2,8748556adc4d88bd,start
X-Google-Attributes: gidf76e2,public

X-Google-Thread: 10d492,8748556adc4d88bd,start
X-Google-Attributes: gid10d492,public
From: bvick@primenet.com (Bobby & Guylia Vick)
Subject: Need Trans-Oceanic Parts
Date: 1996/09/02
Message-ID: <MPLANET.322b8d2dbvick98968b@news.primenet.com>#1/1
X-Deja-AN: 178084797
organization: FuzzCo.
x-posted-by: @198.68.41.220 (bvick)
newsgroups:
rec.antiques,rec.antiques.marketplace,rec.antiques.radio+phono,rec.ham-radio,rec.ham-radio.swap,rec.radio

I am looking for a set of knobs for a 600-series Zenith Trans-Oceanic radio. The ones I have have lost all the gold paint, and I need a new set. The ON-OFF knob has a small flag that covers the "ON" indicator when the set is off.

Any help appreciated.

Thanks,

Bobby

From -5779502308696156262
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8748556adc4d88bd
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,8748556adc4d88bd
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: f76e2,8748556adc4d88bd
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 115af6,8748556adc4d88bd
X-Google-Attributes: gid115af6,public
X-Google-Thread: 10d492,8748556adc4d88bd
X-Google-Attributes: gid10d492,public
X-Google-Thread: 108c89,8748556adc4d88bd
X-Google-Attributes: gid108c89,public
From: bobjay@plano.net (The J-Man)
Subject: Re: Need Trans-Oceanic Parts
Date: 1996/09/03
Message-ID: <50hgdp$k0h@dallasI5.dallas.net>#1/1
X-Deja-AN: 178190316
references: <MPLANET.322b8d2dbvick98968b@news.primenet.com>
organization: Planet Earth
newsgroups:
rec.antiques,rec.antiques.marketplace,rec.antiques.radio+phono,rec.ham-radio,rec.ham-radio.swap,rec.radio

bvick@primenet.com (Bobby & Guylia Vick) wrote:

>>I am looking for a set of knobs for a 600-series Zenith Trans-Oceanic
>>radio. The ones I have have lost all the gold paint, and I need a new
>>set. The ON-OFF knob has a small flag that covers the "ON" indicator
>>when the set is off.

>>Any help appreciated.

>>Thanks,

>>Bobby

Try posting your request in rec.antiques.radio+phono.

Bob J.

You have not convinced a man just because you have silenced him.

From -1010161571619799191
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f4535,d1c718941af56ee1
X-Google-Attributes: gidf4535,public
X-Google-Thread: 10c9e3,d1c718941af56ee1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,d1c718941af56ee1
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,d1c718941af56ee1
X-Google-Attributes: gid1109af,public
X-Google-Thread: 10c2ee,d1c718941af56ee1
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: f76e2,d1c718941af56ee1
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,d1c718941af56ee1
X-Google-Attributes: gidfa656,public
From: Dave Booth <booth@pactitle.com>
Subject: Re: New Web Site: MEGALIST + HAM RADIO + HOCKEY = Bry's Web Page!
Date: 1996/09/07
Message-ID: <3231FC03.41C6@pactitle.com>#1/1
X-Deja-AN: 179145346
references: <50fblb$qja@news1.mnsinc.com>
content-type: text/plain; charset=us-ascii
organization: KC6WFS
mime-version: 1.0
newsgroups: rec.antiques.radio+phono,rec.radio.swap,rec.ham-radio,rec.radio.amateur.equipment,rec.ham-radio,rec.radio.amateur,rec.ham-radio.swap,rec.audio.tubes
x-mailer: Mozilla 3.0 (X11; U; IRIX 5.3 IP19)

```
Brian Carling wrote:
>
> MEGALIST + HAM RADIO + HOCKEY = Bry's Homepage
>
> Where to buy tubes, parts, kits, radios accessories, YOU name it!
> Plus links to MANY radio sites, hockey info etc.
>
> Set your browser now to:
>
> http://www.mnsinc.com/bry/index.html
>
> ENJOY!
> E-mail: brybry@juno.com
> http://www.mnsinc.com/bry/index.html
> TRY MY WEB-SITE please!
> See if I look as ugly as you would expect!
I'' go and check it out!
http://www.geocities.com/Hollywood/5860
--
Dave Booth kc6wfs dm04rk



From 2538850402024312243
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f4535,7395c0229a5fde56,start
X-Google-Attributes: gidf4535,public
X-Google-Thread: 10c9e3,7395c0229a5fde56,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fda75,7395c0229a5fde56,start
X-Google-Attributes: gidfda75,public
X-Google-Thread: f76e2,7395c0229a5fde56,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10c2ee,7395c0229a5fde56,start
X-Google-Attributes: gid10c2ee,public
From: bmoore@io.org (Barry Moore)
Subject: FS: Octal Sockets/Plugs
Date: 1996/09/08
Message-ID: <50uvkb$10h@news1.io.org>#1/1
X-Deja-AN: 179280604
organization: Internex Online (io.org), Toronto, Ontario, Canada
newsgroups: torfree.for-sale,rec.ham-radio,rec.ham-radio.swap,rec.audio.tubes,rec.antiques.radio+phono


My parents have sold their house, and I have Ham equipment and parts
that I am no longer using, and I have no place to store..... therefore
they got to go!

4 Octal Plugs with caps (brand new) and sockets (used)
Great for cabling connectors - e.x
```

Power Supply cable to radio/transmitter etc.
Quick disconnect between rotor control and rotor (tv/ham/cb rotors)
Best protection against lightning strikes is to disconnect

$2 + postage/shipping if required

Reply by email with state/zip so I can quote shipping
Regards.... BM

From 3526217116162269644
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f4535,cf15610c8461bdbe,start
X-Google-Attributes: gidf4535,public
X-Google-Thread: 10c9e3,cf15610c8461bdbe,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fda75,cf15610c8461bdbe,start
X-Google-Attributes: gidfda75,public
X-Google-Thread: f76e2,cf15610c8461bdbe,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10c2ee,cf15610c8461bdbe,start
X-Google-Attributes: gid10c2ee,public
From: bmoore@io.org (Barry Moore)
Subject: FS: 7/9 Pin Tube Sockets
Date: 1996/09/08
Message-ID: <50uv9i$sl@news1.io.org>#1/1
X-Deja-AN: 179280635
organization: Internex Online (io.org), Toronto, Ontario, Canada
newsgroups: torfree.for-sale,rec.ham-radio,rec.ham-radio.swap,rec.audio.tubes,rec.antiques.radio+phono

My parents have sold their house, and I have Ham equipment and parts that I am no longer using, and I have no place to store..... therefore they got to go!

```
Quantity 53 - 7 Pin Tube sockets - brand new - (chasis mount)
Quantity   1 - 7 Pin Tube socket - brand new - (PC board mount)
Quantity   1 - 9 Pin Tube socket - brand new -  (chasis mount)
Quantity   1 - 9 Pin Tube socket - USED - (free mount-used on
                                                  an indicator tube!)
```
.25 each + postage/shipping if required

$12 for the whole batch.

Reply by email with state/zip so I can quote shipping
Regards.... BM

From -7701640885022988678
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11058b58b1eb80,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10baf4,11058b58b1eb80,start
X-Google-Attributes: gid10baf4,public
X-Google-Thread: f76e2,11058b58b1eb80,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 115b7d,11058b58b1eb80,start
X-Google-Attributes: gid115b7d,public
From: rik@nando.net (Henrik Rasmussen)
Subject: Butner, NC Hamfest 9/29
Date: 1996/09/12
Message-ID: <rik-1209960655550001@news.nando.net>#1/1
X-Deja-AN: 180133761
content-type: text/plain; charset=ISO-8859-1
organization: Direct Call, Inc.
mime-version: 1.0
newsgroups: triangle.radio,triangle.forsale,rec.ham-radio,rec.ham-radio.swap

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North Carolina National Guard Armory
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Butner is at Exit 189 and 191 on I-85

--
Rik Rasmussen   Raleigh NC USA
rik@nando.net   http://www.webbuild.com/~rik/
amateur radio   WA4BAN

From 5733569638843738965
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f4535,822a7b846e241573,start
X-Google-Attributes: gidf4535,public
X-Google-Thread: 10c9e3,822a7b846e241573,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,822a7b846e241573,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fda75,822a7b846e241573,start
X-Google-Attributes: gidfda75,public
X-Google-Thread: 10c2ee,822a7b846e241573,start
X-Google-Attributes: gid10c2ee,public
From: bmoore@io.org (Barry Moore)
Subject: FS: 1 Pair of 6146B's - $18 for the Pair
Date: 1996/09/14
Message-ID: <51ejln$oa8@news1.io.org>#1/1
X-Deja-AN: 180593398
organization: Internex Online (io.org), Toronto, Ontario, Canada
newsgroups: torfree.for-sale,rec.ham-radio,rec.ham-radio.swap,rec.audio.tubes,rec.antiques.radio+phono

I have a pair of 6146B Final tubes for sale. Worked fine when removed from service. I no longer own the transmitter they came from, so the tubes are for sale.

$18US + shipping.

Reply by email to bmoore@io.org

Regards.... BM

From -2863953601969009795
X-Google-Language: ENGLISH,ASCII
X-Google-Thread: 10c9e3,dbede428aa8e1aa7,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10ddf1,dbede428aa8e1aa7,start
X-Google-Attributes: gid10ddf1,public
X-Google-Thread: fc1a3,dbede428aa8e1aa7,start
X-Google-Attributes: gidfc1a3,public
X-Google-Thread: 107ada,dbede428aa8e1aa7,start
X-Google-Attributes: gid107ada,public

X-Google-Thread: fc2a5,dbede428aa8e1aa7,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 101306,dbede428aa8e1aa7,start
X-Google-Attributes: gid101306,public
X-Google-Thread: f64c6,dbede428aa8e1aa7,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: fa656,dbede428aa8e1aa7,start
X-Google-Attributes: gidfa656,public
From: "Neubauer Andreas" <de3dna@art.at>
Subject: Ostarrichi 1996
Date: 1996/09/17
Message-ID: <01bba483$760d6140$0b6464c9@holodeck>#1/1
X-Deja-AN: 181127326
organization: MIDAS
newsgroups: de.comm.ham,fj.rec.ham,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.homebrew,rec.radio.amateur.misc,relcom.radio.ham,uk.radio.amateur

Ham-meeting in Neuhofen/Ybbs, Austria from Fr. 4.10.96 to Sa. 5.10.96

"Ostarrichi Amateurfunktage in Neuhofen/Ybbs"

Location: Seminarhotel Kothm�hle

Exhibition:

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* Self-made amateur devices
* Flea market (electronic and communication devices, etc.)
* Presentation of ATV, Packet Radio, SSTV, CW, ...
* Newcomer information
* Amateur radio related software
* Drive in contest (only an saturday 8:00 - 10:00 local time)

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Internet: de3dna @ art.at
Packet radio: oe3dna @ oe3xbs.aut.eu

Hope to see you, Andy.

From -5205617997012184833
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f4535,822a7b846e241573
X-Google-Attributes: gidf4535,public
X-Google-Thread: 10c9e3,822a7b846e241573
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 10c2ee,822a7b846e241573
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: f76e2,822a7b846e241573
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fda75,822a7b846e241573
X-Google-Attributes: gidfda75,public
From: bmoore@io.org (Barry Moore)
Subject: FS: 1 Pair of 6146B's - $18 for the Pair
Date: 1996/09/21
Message-ID: <520its$97c@news1.io.org>#1/1
X-Deja-AN: 184384601
organization: Internex Online (io.org), Toronto, Ontario, Canada
newsgroups: torfree.for-sale,rec.ham-radio,rec.ham-radio.swap,rec.audio.tubes,rec.antiques.radio+phono

I have a pair of 6146B Final tubes for sale. Worked fine when removed from service. I no longer own the transmitter they came from, so the tubes are for sale.

$18US + shipping.

Reply by email to bmoore@io.org

Regards.... BM

From 4410395944402699030
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f4535,71dc2dd7cda8b100,start
X-Google-Attributes: gidf4535,public
X-Google-Thread: 10c9e3,71dc2dd7cda8b100,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c2ee,71dc2dd7cda8b100,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: f76e2,71dc2dd7cda8b100,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fda75,71dc2dd7cda8b100,start
X-Google-Attributes: gidfda75,public
From: bmoore@io.org (Barry Moore)
Subject: FS: 1 Pair of 6146B's - $18 for the Pair
Date: 1996/09/25
Message-ID: <52a9rd$m49@news1.io.org>#1/1
X-Deja-AN: 185174965
organization: Internex Online (io.org), Toronto, Ontario, Canada
newsgroups: torfree.for-sale,rec.ham-radio,rec.ham-radio.swap,rec.audio.tubes,rec.antiques.radio+phono

I have a pair of 6146B Final tubes for sale. Worked fine when removed from service. I no longer own the transmitter they came from, so the tubes are for sale.

$18US + shipping.

Reply by email to bmoore@io.org

Regards.... BM

```
From 4130288480051705454
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,563bdc7943361e60,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 100694,563bdc7943361e60,start
X-Google-Attributes: gid100694,public
X-Google-Thread: fb8e6,563bdc7943361e60,start
X-Google-Attributes: gidfb8e6,public
X-Google-Thread: fbcc0,563bdc7943361e60,start
X-Google-Attributes: gidfbcc0,public
X-Google-Thread: 114925,563bdc7943361e60,start
X-Google-Attributes: gid114925,public
X-Google-Thread: 10efb3,563bdc7943361e60,start
X-Google-Attributes: gid10efb3,public
X-Google-Thread: 102c26,563bdc7943361e60,start
X-Google-Attributes: gid102c26,public
X-Google-Thread: f7612,563bdc7943361e60,start
X-Google-Attributes: gidf7612,public
From: "Golden" <choice@yknet.yk.ca>
Subject: Step into the dark...
Date: 1996/09/25
Message-ID: <01bbab17$8243cea0$LocalHost@choice.yknet.yk.ca>
X-Deja-AN: 185308997
content-type: text/plain; charset=ISO-8859-1
organization: Posted via CAIS Internet <info@cais.com>
mime-version: 1.0
newsgroups: 5col.forsale,rec.ham-radio,rec.models.rc.air,rec.music.artists.beach-
boys,rec.music.beatles,rec.music.celtic,rec.music.classical,rec.music.makers.bagpi
pe,rec.music.movies,rec.outdoors.camping,rec.outdoors.fishing.fly,rec.outdoors.rv-
travel,rec
```

and it will be as though there is light before you. We found the message below and decided to have some fun and try it. We have never looked back. You try it too and have as much fun as we have and earn some money too. Read on and enjoy:

I saw an article in an internet newsgroup telling me I could make $50,000 within a month for an investment of only $5.

I thought it was a huge joke. I spoke to my wife, attorney and friends about it, and they all agreed it was some kind of scam. I can't stand scams, because usually someone gets burned, and I didn't want it to be me. Of course, I rejected the idea at first. After a short period of about two weeks, I thought: "I have already heard of such things. But on the Internet?!?!?". I decided that even if I had to throw $5 into the fire, I wouldn't mind it that much, and gave it a try. After all I needed a LOT more than five dollars.

Two weeks later, I began receiving money in the mail! I could not believe it! Soon, hundreds, and then thousands of dollars began to roll in. Within 4 weeks, I had received a total of $32,445! It came from everywhere in the world. My bank account has changed its "-" into a big "+" (++++)!!!, I bought myself a car and things I wanted for a long time for my wife and kids!

If you follow the three steps below, there is no reason why the same shouldn't happen to you! This is a legitimate investment opportunity. You invest $5, and you receive a return on your investment. So does the next investor. NOT ILLEGAL, NOT A CHAIN LETTER - PERFECTLY LEGITIMATE.

If you are not interested, then don't participate, but please print this article and pass it on to someone who may be interested, so they can take advantage.

The procedure is simple: 1) Write your name and address on 5 sheets of paper. Below that, write the words, "Please add me to your mailing list." Fold $1 note or bank draft or money order in each piece of paper and mail them to the following 5 addresses:

1. Olivier Aracipane
    237 rue Francois Andre
    7390 Quaregnon BELGIUM

2. Josef Malzer
    Brandhof 1
    4701 Bad Schallerbach
    EUROPE - AUSTRIA

3. Jeff Durham
    RR3 Box 263-E
    Mt. Vernon, KY 40456

4. Mac Johnson
    30556 Mira Loma Drive
    Temecula, CA 92592 USA

5. Nora Hanna
    Comp. 147, Site 20, RR1
    Whitehorse, YUKON
    Y1A 4Z6 CANADA

2) Now remove the top name from the list, and move the other four names up. In other words, #5 becomes #4 and so on. Put your name as the fifth one on the list. Use a simple text editor such as Notepad, in your

"accessories" window (If you have MS-Windows), or DOS editor. In fact, any editor will do.

3) Post the article to at least 200 newsgroups. There are 17,000, so it shouldn't be hard to find that many. Try posting to as may newsgroups as you can, and the bigger the newsgroup is, the more people are to see your message!

You are now in the mail order investment business, and should start seeing returns within a week or two. Of course, the more newsgroups you post to, the greater your return is. If you wish to remain anonymous, you may use a pseudonym, call yourself "The Manager", "The Boss", whatever but make sure your address is correct.

Now, here is why the system works:

-Of every 200 posts I made, I received 5 responses. Yes, only 5. You make $5 for every 200 posts with your name at #5.

-Each person who sent you $1 now also makes 200 additional posting with your name at #4. i.e. 1000 postings. On average therefore, 50 people will send you $1 with your name at #4. $50.

-Your 50 new agents made 200 postings each with your name at #3 or 10,000 postings. Average return 500 people = $500. They make 200 postings each with your name at #2 = 100,000 postings = 5000 return at $1 each = $5000.

-Finally, 5,000 people made 200 postings with your name at #1 and you get a return of $50,000 before your name drops off the list. AND THAT'S IF EVERYONE DOWN THE LINE MAKES 200 POSTINGS! Total income in one cycle = $55,000.

From time to time, when you see your name no longer on the list, you take the latest posting that appears in the newsgroups, and send out another $5, and put your name at #5, and start posting again. Remember, 200 postings is only a guideline, the more you post, the greater the return.

Lets review why you should do this. THE ONLY COST IS $5, AND 5 STAMPS, AND 5 ENVELOPES. Anyone can afford $5 for such an effortless investment with such SPECTACULAR RETURNS.

Some people have said to me, "what happens if the scheme is played out and no one sends me any money? "Big Deal, so you lose $5-but what are the chances of that happening?? Do you realize that NOBODY cares for the LEGAL chance of winning such BIG money as 50,000 $$$$???? and all for a microscopic investment of five separate dollars? Just think of all of the new Internet users that join the net every day!!!

There are millions of internet users, and millions of new net surfers every month!!! This is the great plus of the Internet, people all over the world can hear you and listen carefully if you talk reasonably. Everyone will take that chance! I agree, if it wasn't the Internet, and was a small circle of people, the chance wouldn't have been so small. The amount of money had to be 200 times bigger, and the chances were zero. It wouldn't succeed.

But here, on the Internet, it is a giant village, where new thousands of members join in every day! You CAN'T lose!!!

Remember-read the instructions carefully, and play fairly. That's the only way this will work. Get a printout so you can refer back to this article easily.

Try to keep a list of everyone that sends you money and always keep an eye on the postings to make sure everyone is playing fairly. You know where your name should be.

REMEMBER-HONESTY IS THE BEST POLICY. YOU DO NOT NEED TO CHEAT THIS IDEA TO MAKE MONEY!! BESIDES, NOT PLAYING THE GAME FAIRLY IS ILLEGAL. SO LET'S BE REASONABLE AND PLAY FAIRLY, SO WE CAN ALL ENJOY THE INTERNET GOLD MINE.

GOOD LUCK FOR YOU ALL, And remember, play fair and you'll win, I don't want to mention what might happen to those who won't. AND AGAIN, SEE YOU NEXT TIME WITH SOMETHING YOU WANTED FOR A LONG TIME!!!

From -3288582838063856497
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f1edf330e4e7fa55,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9270,f1edf330e4e7fa55,start
X-Google-Attributes: gidf9270,public
From: vgrajeda@morelia.teesa.com
Subject: WTB: Videocipher Decoders
Date: 1996/09/25
Message-ID: <52bphh$f39@lex.zippo.com>#1/1
X-Deja-AN: 185377609
organization: Zippo
newsgroups: rec.video,rec.ham-radio

I need 120 VCII decoders (010,018,032),
If You have one or more let me know,
Thanks,

From -2838290284481477918
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 100694,563bdc7943361e60
X-Google-Attributes: gid100694,public
X-Google-Thread: 10c9e3,563bdc7943361e60
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f7612,563bdc7943361e60

X-Google-Attributes: gidf7612,public
X-Google-Thread: fb8e6,563bdc7943361e60
X-Google-Attributes: gidfb8e6,public
X-Google-Thread: 114925,563bdc7943361e60
X-Google-Attributes: gid114925,public
X-Google-Thread: 10efb3,563bdc7943361e60
X-Google-Attributes: gid10efb3,public
X-Google-Thread: 102c26,563bdc7943361e60
X-Google-Attributes: gid102c26,public
X-Google-Thread: fbcc0,563bdc7943361e60
X-Google-Attributes: gidfbcc0,public
From: oleg@voicenet.com (G.B.)
Subject: Re: Step into the dark...
Date: 1996/09/26
Message-ID: <52cvef$86g@gnews2.voicenet.com>#1/1
X-Deja-AN: 185400170
references: <01bbab17$8243cea0$LocalHost@choice.yknet.yk.ca>
organization: Voicenet - Internet Access - (215)674-9290
reply-to: oleg@voicenet.com
newsgroups: 5col.forsale,rec.ham-radio,rec.models.rc.air,rec.music.artists.beach-boys,rec.music.beatles,rec.music.celtic,rec.music.classical,rec.music.makers.bagpipe,rec.music.movies,rec.outdoors.camping,rec.outdoors.fishing.fly,rec.outdoors.rv-travel,rec

It is reading posts like this that make you look forward to your day every morning and nothing else
enriches your life as much as all this valuable, unique information filled with original ideas that
are bound to augment your life and bring it as close to perfection as possible. In other words,
stop cross-posting this shit. Everyone has seen this many times already and no one is gonna fall
for any of these so-called "commercials".

From 2687471059363483863
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,563bdc7943361e60
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 100694,563bdc7943361e60
X-Google-Attributes: gid100694,public
X-Google-Thread: 102c26,563bdc7943361e60
X-Google-Attributes: gid102c26,public
X-Google-Thread: f7612,563bdc7943361e60
X-Google-Attributes: gidf7612,public
X-Google-Thread: fb8e6,563bdc7943361e60
X-Google-Attributes: gidfb8e6,public
X-Google-Thread: 10efb3,563bdc7943361e60
X-Google-Attributes: gid10efb3,public
X-Google-Thread: 114925,563bdc7943361e60

X-Google-Attributes: gid114925,public
X-Google-Thread: fbcc0,563bdc7943361e60
X-Google-Attributes: gidfbcc0,public
From: sauer@mi.uni-erlangen.de (Thomas Sauer)
Subject: Re: Step into the dark...
Date: 1996/09/27
Message-ID: <52g0e2$jfk@rznews.rrze.uni-erlangen.de>#1/1
X-Deja-AN: 185644676
references: <01bbab17$8243cea0$LocalHost@choice.yknet.yk.ca>
<52cvef$86g@gnews2.voicenet.com>
followup-to: 5col.forsale,rec.ham-radio,rec.models.rc.air,rec.music.artists.beach-boys,rec.music.beatles,rec.music.celtic,rec.music.classical,rec.music.makers.bagpipe,rec.music.movies,rec.outdoors.camping,rec.outdoors.fishing.fly,rec.outdoors.rv-travel,rec
organization: Mathem. Institut, Uni Erlangen
newsgroups: 5col.forsale,rec.ham-radio,rec.models.rc.air,rec.music.artists.beach-boys,rec.music.beatles,rec.music.celtic,rec.music.classical,rec.music.makers.bagpipe,rec.music.movies,rec.outdoors.camping,rec.outdoors.fishing.fly,rec.outdoors.rv-travel,rec

G.B. (oleg@voicenet.com) wrote:
: In other words,
: stop cross-posting this shit. Everyone has seen this many times already and no one is gonna fall
: for any of these so-called "commercials".
:

In other words, stop cross-posting your complaints. If you are embarassed send
the private mail instead of bothering everybody. And, if you post something
keep it 80 characters per line :-(
Thomas

From -627455810179945084
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
From: duane <duane@flinet.com>
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/10
Message-ID: <4cvd4q$3ku@news.flinet.com>#1/1
X-Deja-AN: 134668634
references: <4crvif$cbm@grid.direct.ca>

```
to: page2.@ppress.wimsey.com
content-type: text/plain; charset=us-ascii
organization: Florida Internet
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general
x-mailer: Mozilla 1.2 (Windows; U; 16bit)

I sorry too hear the story about the police radio jamming.. I am alos a
police officer in the U.S. but  I  did not see where the article cleared
showed a amateur radio operatorwas the person doing the jamming. If you
think only amateurs have access to the freq. and radio then your not
living in the real world.  before you pass blame I suggest you do your
full investigation first. I hope this was a report by the press assumming
amature radio operator was at fault.. just a word of advise...amateurs
will not put up with jamming nor unfounded slander.... by the way in case
you have not heard ...to spell assume is to make am Ass out of U & ME.
                                                        ASS U ME

FOOD FOR THOUGHT !!




From 8526263213834410137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
From: duane <duane@flinet.com>
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/10
Message-ID: <4cvd6q$3ku@news.flinet.com>#1/1
X-Deja-AN: 134668635
references: <4crvif$cbm@grid.direct.ca>
to: promo.@ppress.wimsey.com
content-type: text/plain; charset=us-ascii
organization: Florida Internet
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general
x-mailer: Mozilla 1.2 (Windows; U; 16bit)

I sorry too hear the story about the police radio jamming.. I am alos a
police officer in the U.S. but  I  did not see where the article cleared
showed a amateur radio operatorwas the person doing the jamming. If you
think only amateurs have access to the freq. and radio then your not
living in the real world.  before you pass blame I suggest you do your
```

full investigation first. I hope this was a report by the press assumming amature radio operator was at fault.. just a word of advise...amateurs will not put up with jamming nor unfounded slander.... by the way in case you have not heard ...to spell assume is to make am Ass out of U & ME.
ASS U ME

FOOD FOR THOUGHT !!

From 4429201583942841169
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
From: duane <duane@flinet.com>
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/10
Message-ID: <4cvd7t$3ku@news.flinet.com>#1/1
X-Deja-AN: 134668636
references: <4crvif$cbm@grid.direct.ca>
to: tedlee@direct.ca
content-type: text/plain; charset=us-ascii
organization: Florida Internet
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general
x-mailer: Mozilla 1.2 (Windows; U; 16bit)

test

From 3216799167521320114
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public

From: Gordon Mulcaster <gordonm@portal.ca>
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/10
Message-ID: <96011013314000306@portal.ca>#1/1
X-Deja-AN: 134668646
references: <4cv2dr$h5u@grid.direct.ca>
organization: Megadodo Publishing, Megadodo House, Ursa Minor
reply-to: gordonm@portal.ca
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general

In article <4cv2dr$h5u@grid.direct.ca>, Matt Ion writes:

> There aren't many readily-available products that will broadcast on
> police frequencies other than high-end "ham" radios (the cheaper ones
> won't broadcast on emergency bands unless they've been modified). So
> it's a safe bet that it IS an "amateur radio" set being used.

Actully it's probably a stolen police radio.
--
"The truth of the past 400 years is that science and technology are the
 real revolutionary forces in society. All governments manage is mewling
 and reaction."   --   Stephen Strauss, Mind & Matter,
                       The Globe & Mail, May 2nd, 1992
              gordonm@portal.ca

From 8706094425835216760
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
From: tweek@netcom.com (R R M Tweek)
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/10
Message-ID: <tweekDKy2sM.FL0@netcom.com>#1/1
X-Deja-AN: 134750251
sender: tweek@netcom21.netcom.com
references: <4crvif$cbm@grid.direct.ca> <187cc$f30d.66@news.express.ca>
<4cv2dr$h5u@grid.direct.ca>
organization: NETCOM On-line Communication Services (408 261-4700 guest)
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general

In article <4cv2dr$h5u@grid.direct.ca>, Matt Ion <soundy@nextlevel.com> wrote:

>
>There aren't many readily-available products that will broadcast on
>police frequencies other than high-end "ham" radios (the cheaper ones
>won't broadcast on emergency bands unless they've been modified). So
>it's a safe bet that it IS an "amateur radio" set being used.

Huh? Ok, you are in Canada, (where the bastard is) and frequencies might be different up there for the police, but down here in the US, commercial frequencies are closer to the cop frequencies than the ham frequencies are.

2 meters	147.99	ham
	155.19	cop
	155.04	cop
	154.60	not just commercial, but dime a dozen commercial.
UHF	449.00	ham
	458.00	commercial
	460.15	cop

You know, I don't think I'd use your guess, or the other one. I'd guess that some punk stole a cop radio, and being the stupid punk he is, thinking how funny it would be to show his disregard for the law by disrupting their communications.

Once again, I don't know about Canada, but around here some cops keep hand held two ways in their personal cars. There is nothing different between a cop's personal car and an ordinary citizen's car. They both get broken into. Down here in Contra Costa County, about 6 years ago, the Sherrif had his unmarked car broken into. [Point to the stupidity of the crook: It was at the Sheriff's Annual Golf Tourn with many many cops in presence. Point to the skill of the crook: He didn't get caught.]

--
tweek@netcom.com   tweek@tweekco.ness.com   tweek@io.com   DoD #MCMLX SP-3
Fodder-Line: Rogue Agent Hubbard Thetan Scientology Clear OT Course Clam
http://www.io.com/~tweek/   tweek@ccnet.com   OT-7 Dr. Doo's little Llama

From -679656321359904830
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
X-Google-Thread: 106cdd,1075c580dd134b63

X-Google-Attributes: gid106cdd,public
From: soundy@nextlevel.com (Matt Ion)
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/10
Message-ID: <4cv25u$h5u@grid.direct.ca>#1/1
X-Deja-AN: 135127489
references: <4crvif$cbm@grid.direct.ca>
organization: 1040 MIDI & Music BBS/Next Level Productions (Vancouver, BC)
reply-to: soundy@nextlevel.com (Matt Ion)
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general

In <4crvif$cbm@grid.direct.ca>, tedlee@direct.ca writes:

>From: The Province Newspaper, page A21
>Dated: Sunday, January 7, 1996.
>
>Reprinted without permission.
>Non-copyrighted story.
>
>By-line: AURAL SEX TUNED IN

[snip]

>To reach the Province newspaper to comment on this story:

What exactly is your point here? I saw the story... so? What are we to comment on?

Your friend and mine,
Matt

---*** NOTE: Windows 95 Fixpack now available! ***---
See http://www.austin.ibm.com/pspinfo/drk95.html for more info!

Opinions expressed do not necessarily reflect those of Next Level
Productions, or anyone else of sound mind from this planet or dimension!

From -7525084646325480679
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public

X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
From: soundy@nextlevel.com (Matt Ion)
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/10
Message-ID: <4cv2dr$h5u@grid.direct.ca>#1/1
X-Deja-AN: 135127490
references: <4crvif$cbm@grid.direct.ca> <187cc$f30d.66@news.express.ca>
organization: 1040 MIDI & Music BBS/Next Level Productions (Vancouver, BC)
reply-to: soundy@nextlevel.com (Matt Ion)
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general

In <187cc$f30d.66@news.express.ca>, lowell@express.ca (Lowell) writes:

>>   A ham radio operator is endangering lives by jamming police
>>radio channels with recordings of a couple having sex.
>
>I would think the person doing this is NOT a licensed ham radio
>operator. Either way, they don't know, so calling them a ham operator
>is really poor reporting and probably hurts the publics perception of
>amateur radio.

There aren't many readily-available products that will broadcast on
police frequencies other than high-end "ham" radios (the cheaper ones
won't broadcast on emergency bands unless they've been modified). So
it's a safe bet that it IS an "amateur radio" set being used.

While it's not likely that the person doing this is a licensed operator,
that does not rule out that possibility. The ham test does not include
a "personality" section to weed out the assholes.

Your friend and mine,
Matt

---*** NOTE: Windows 95 Fixpack now available! ***---
See http://www.austin.ibm.com/pspinfo/drk95.html for more info!

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Productions, or anyone else of sound mind from this planet or dimension!

From 3443931144946608702
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 121642,fccf5ce86adbf455
X-Google-Attributes: gid121642,public
X-Google-Thread: fddbf,1075c580dd134b63

X-Google-Attributes: gidfddbf,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
From: tremonti@axionet.com (R.A. (Bob) Tremonti)
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/10
Message-ID: <4cvuq4$pj6@blues.axionet.com>#1/1
X-Deja-AN: 135246326
references: <4crvif$cbm@grid.direct.ca> <4ctm48$bj6@horus.infinet.com>
<4cv2u3$hm5@grid.direct.ca>
organization: Axion internet
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.genera

In article <4cv2u3$hm5@grid.direct.ca>, soundy@nextlevel.com says...
>
>In <4ctm48$bj6@horus.infinet.com>, gareth@infinet.com () writes:
>

>I don't recall seeing any mention in that article of the entire "ham
>community" being under suspicion, only one specific ham operator.
>
>Oh please. Read the FIRST PARAGRAPH of the article again. *A* ham
>radio operator.
>
>No mention anywhere of more than one person being responsible, let alone
>an entire "community". If he's using a ham radio (likely, since as I
>said before, there isn't much else readily available that will broadcast
>on those frequencies), he's a ham radio operator. Simple logic, no?
>
>
> Your friend and mine,
> Matt

Matt, anyone with a bit of electronics savy can modify a rig to use other
frequencies -
and surplus gear is easily converted. Or snag an ARRL handbook and build one...

As to hams being upset, YOU may read it as "A" ham operator, but the majority of
the
public does not. And if the paper did not intend to sensationalize, then why
didn't
they use something like "A prankster is interfering..."? The story is
irresponsible as it
reports unverified data and allegations as facts. THAT is extremely sloppy
journalism
-- and is inexcusable.

```
>
>  ---------------------------------------------------------------------------
>            ---***  NOTE: Windows 95 Fixpack now available!  ***---
>        See http://www.austin.ibm.com/pspinfo/drk95.html for more info!
>
>       Opinions expressed do not necessarily reflect those of Next Level
>    Productions, or anyone else of sound mind from this planet or dimension!
>
>
```

```
From -3687915242080612910
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
From: tweek@netcom.com (R R M Tweek)
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/10
Message-ID: <tweekDKy2vn.Fuo@netcom.com>#1/1
X-Deja-AN: 135246345
sender: tweek@netcom21.netcom.com
references: <4crvif$cbm@grid.direct.ca> <4ctm48$bj6@horus.infinet.com>
<4cv2u3$hm5@grid.direct.ca>
organization: NETCOM On-line Communication Services (408 261-4700 guest)
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general
```

In article <4cv2u3$hm5@grid.direct.ca>, Matt Ion <soundy@nextlevel.com> wrote:

>
> No mention anywhere of more than one person being responsible, let alone
> an entire "community". If he's using a ham radio (likely, since as I
> said before, there isn't much else readily available that will broadcast
> on those frequencies), he's a ham radio operator. Simple logic, no?

Huh?

What if he's using a stolen cop radio? Should the paper have called
him a cop?

```
--
tweek@netcom.com   tweek@tweekco.ness.com   tweek@io.com   DoD #MCMLX  SP-3
Fodder-Line: Rogue Agent  Hubbard Thetan Scientology Clear  OT Course  Clam
http://www.io.com/~tweek/    tweek@ccnet.com   OT-7  Dr. Doo's little Llama
```

From -2612449628784823019
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
From: joe palace <restar@inf.net>
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/13
Message-ID: <1d7cc$d171e.62@news.inf.net>#1/1
X-Deja-AN: 135631731
references: <4crvif$cbm@grid.direct.ca> <4cvd7t$3ku@news.flinet.com>
to: duane@flinet.com
content-type: text/plain; charset=us-ascii
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general
x-mailer: Mozilla 1.22 (Windows; I; 16bit)

i am a ham radio operator, new on the internet.first time on this ham
section. where is the positive stuff and information regarding the hobby.
this aera seems to be empty. (a little disappointing)

joe.

From -5334817302735998480
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
From: Steve Butler <sbut-is@seatimes.com>
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/16
Message-ID: <Pine.SUN.3.91.960116132505.20843K-100000@seatimes>#1/1

X-Deja-AN: 135356666
references: <4crvif$cbm@grid.direct.ca> <4cvd7t$3ku@news.flinet.com>
<1d7cc$d171e.62@news.inf.net>
x-sender: sbut-is@seatimes
content-type: TEXT/PLAIN; charset=US-ASCII
organization: The Seattle Times
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general

I've been here a couple of weeks and haven't seen much. Shall we start
something? KG7JE@N6EQZ.#WWA.WA.USA.NA

On Sat, 13 Jan 1996, joe palace wrote:

> i am a ham radio operator, new on the internet.first time on this ham
> section. where is the positive stuff and information regarding the hobby.
> this aera seems to be empty. (a little disappointing)
>
> joe.
>
>
>
>

```
+-----------------------------------------------------+
| Steve Butler          Voice:  206-464-2998          |
| The Seattle Times       Fax:  206-382-8898          |
| PO Box 70          Internet:  sbut-is@seatimes.com  |
| Seattle, WA 98111    Packet:  KG7JE@N6EQZ.WA        |
+-----------------------------------------------------+
```
All standard and non-standard disclaimers apply.
All other sources are annonymous.

From -5426780902043635540
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
From: ve7zvz@dowco.com (Scott Leaf)
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/18
Message-ID: <ve7zvz-1801961305170001@ppp32.dowco.com>#1/1

X-Deja-AN: 136232336
sender: news@dowco.com
references: <4crvif$cbm@grid.direct.ca> <4cvd7t$3ku@news.flinet.com>
<1d7cc$d171e.62@news.inf.net> <Pine.SUN.3.91.960116132505.20843K-100000@seatimes>
organization: Mountain DX Club
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general

In article <Pine.SUN.3.91.960116132505.20843K-100000@seatimes>, Steve
Butler <sbut-is@seatimes.com> wrote:

-> I've been here a couple of weeks and haven't seen much. Shall we start
-> something? KG7JE@N6EQZ.#WWA.WA.USA.NA
->
-> On Sat, 13 Jan 1996, joe palace wrote:
->
-> > i am a ham radio operator, new on the internet.first time on this ham
-> > section. where is the positive stuff and information regarding the hobby.
-> > this aera seems to be empty. (a little disappointing)
-> >
-> > joe.

You guys are in the wrong newsgroup, this one is always dead.
Try rec.radio.amateur.misc.

--
Scott Leaf VE7ZVZ CN89os
ve7zvz@dowco.com
Port Coquitlam, British Columbia, Canada
Mountain DX Club - "To boldy VHF where no ham has VHFed before"
Coming up Summer '96 DX-pedition to rare grid CO80, on 6M, 2M & 70cm

From 5993404304076068082
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4e03be3c112505c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,4e03be3c112505c,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1009ad,4e03be3c112505c,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 1109af,4e03be3c112505c,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,4e03be3c112505c,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 108122,4e03be3c112505c,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fa029,4e03be3c112505c,start
X-Google-Attributes: gidfa029,public
From: Toan Dang <tpdang@puc.edu>
Subject: Re: Erickson GE Monogram Commercial 40 Watt Mobile For Sale
Date: 1996/01/19
Message-ID: <Pine.BSD/.3.91.960119104707.26680C-100000@ecf2.puc.edu>#1/1

X-Deja-AN: 135775183
references: <ve7zvz-1901960145370001@ppp41.dowco.com>
content-type: TEXT/PLAIN; charset=US-ASCII
organization: CRL Dialup Internet Access
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.swap,rec.radio.scanner,alt.radio.scanner

What is the MODEL ### (on the back of the radio)??????

please forward it to me... thanks... Also, do you have the programing
cable and software for it, and interface box????

On Fri, 19 Jan 1996, Scott Leaf wrote:

> Erickson GE Monogram Commercial 40 Watt FM Mobile For Sale.
> Very Rugged up to 16 channel EPROM progamable.
> Frequency Range 136 Mhz - 174 Mhz
> All options Duplex, tones, scan, etc.
> Currently has 16 Marine channels programmed:
> 6,8,9,11,12,15,16,18,20,22A,68,69,70,72,79,80A.
> Perfect for small business in need of a high quality mobile to communicate
> with base or for pleasure boater who requires these already programmed
> frequencies.
>
> Asking $300 cdn (current US Exchange is aprox 36% in your favour)
>
> open to offers of trade for Amateur equipment, like 2M mobile, 6m Mobile,
> HF mobile, etc.
>
> --
> Scott Leaf VE7ZVZ CN89os
> ve7zvz@dowco.com
> Port Coquitlam, British Columbia, Canada
> Mountain DX Club - "To boldy VHF where no ham has VHFed before"
> Coming up Summer '96 DX-pedition to rare grid CO80, on 6M, 2M & 70cm
>
>

- Toan Dang
  Pacific Union College
  103 Grainger Hall
  Angwin, Ca 94508-9797
  (707) 965-6253

From 1635198953791631190

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4e03be3c112505c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,4e03be3c112505c
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 1109af,4e03be3c112505c
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,4e03be3c112505c
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 108122,4e03be3c112505c
X-Google-Attributes: gid108122,public
X-Google-Thread: fa029,4e03be3c112505c
X-Google-Attributes: gidfa029,public
X-Google-Thread: 107ada,4e03be3c112505c
X-Google-Attributes: gid107ada,public
From: ve7zvz@dowco.com (Scott Leaf)
Subject: Erickson GE Monogram Commercial 40 Watt Mobile For Sale
Date: 1996/01/19
Message-ID: <ve7zvz-1901960145370001@ppp41.dowco.com>#1/1
X-Deja-AN: 135795774
sender: news@dowco.com
organization: Mountain DX Club
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.swap,rec.radio.scanner,alt.radio.scanner

Erickson GE Monogram Commercial 40 Watt FM Mobile For Sale.
Very Rugged up to 16 channel EPROM progamable.
Frequency Range 136 Mhz - 174 Mhz
All options Duplex, tones, scan, etc.
Currently has 16 Marine channels programmed:
6,8,9,11,12,15,16,18,20,22A,68,69,70,72,79,80A.
Perfect for small business in need of a high quality mobile to communicate
with base or for pleasure boater who requires these already programmed
frequencies.

Asking $300 cdn (current US Exchange is aprox 36% in your favour)

open to offers of trade for Amateur equipment, like 2M mobile, 6m Mobile,
HF mobile, etc.

--
Scott Leaf VE7ZVZ CN89os
ve7zvz@dowco.com
Port Coquitlam, British Columbia, Canada
Mountain DX Club - "To boldy VHF where no ham has VHFed before"
Coming up Summer '96 DX-pedition to rare grid CO80, on 6M, 2M & 70cm

From 6494991415140258134
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1075c580dd134b63

```
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
From: dmcdonal@direct.ca (dave mcdonald)
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/20
Message-ID: <4dpt2d$6t6@grid.direct.ca>#1/1
X-Deja-AN: 135835147
references: <4crvif$cbm@grid.direct.ca> <187cc$f30d.66@news.express.ca>
<4cv2dr$h5u@grid.direct.ca> <tweekDKy2sM.FL0@netcom.com>
organization: Internet Direct Inc.
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general

In article <tweekDKy2sM.FL0@netcom.com>, tweek@netcom.com (R R M Tweek) says:
>
>In article <4cv2dr$h5u@grid.direct.ca>, Matt Ion <soundy@nextlevel.com> wrote:
>>
>>There aren't many readily-available products that will broadcast on
>>police frequencies other than high-end "ham" radios (the cheaper ones
>>won't broadcast on emergency bands unless they've been modified).  So
>>it's a safe bet that it IS an "amateur radio" set being used.
>
>Huh?  Ok, you are in Canada, (where the bastard is) and frequencies
>might be different up there for the police, but down here in the
>US, commercial frequencies are closer to the cop frequencies than
>the ham frequencies are.
>
>2 meters        147.99  ham
>                155.19  cop
>                155.04  cop




Up here the various police depts use various frequencies. Our locals use
865MHz, the RCMP typically use the 442 / 137 pairs. The Vancouver police use
the 143 / 148 pairs.
(Repeater inputs between 148 and 149, with the outputs between 143 and 144)
Right along side of the 2M amateur band. Anyone that owns non radio shack
radios knows dam well that right out of the box the will transmit and receive
right from 140 to 150 MHz. So ANY stolen radio could be the offending
radio. I said it on TV when interviewed, and will say it again here.
it is unlikely it was a ham, as hams know the chances of getting caught are
quite high, and the penalities are even higher. We know about transmitter
fingerprinting. (The transmitter key up characteristics are logged, so if someone
was
stupid enough to do it, and then use the same radio for rag chewing on,
```

it would be fairly easy to match the signal, some of the amateir repeaters
have this capability, where they can lock out partictular signals from keying
up the transmitter.)

From -2163119904336532743
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
From: Earl Needham <needhame@3lefties.com>
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/20
Message-ID: <310120A5.66E6@3lefties.com>#1/1
X-Deja-AN: 136128600
sender: usenet@news.zippo.com
references: <4crvif$cbm@grid.direct.ca> <4cvd7t$3ku@news.flinet.com>
<1d7cc$d171e.62@news.inf.net> <Pine.SUN.3.91.960116132505.20843K-100000@seatimes>
<ve7zvz-1801961305170001@ppp32.dowco.com>
content-type: text/plain; charset=us-ascii
organization: Zippo
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general
x-mailer: Mozilla 2.0b5 (Win16; I)

You know, this thread reminded me of something funny that happened to me a few
years ago.
I hung a dipole, and had to wait a few days to get some coax to run to it. The
wire was hung in
the air & not connected to a rig at all.
Well guess what? Somebody came over and accused me of causing interference!
8-)

--
--You mean you've jumped...ROUNDS??!! (Overheard at the Clovis, NM DZ)
(Of course, silly! Hasn't everyone?)
Member Bonus Days Club since 1980
NeedhamE@3lefties.com
"Flames to me *WILL* be posted to the associated newsgroup."

From 7542637849960166570
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
From: tedlee@direct.ca
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/21
Message-ID: <4dsluk$u0@grid.direct.ca>#1/1
X-Deja-AN: 136151500
references: <4crvif$cbm@grid.direct.ca> <4cvd7t$3ku@news.flinet.com>
<1d7cc$d171e.62@news.inf.net> <4dsem1$fda@jobes.sierra.net>
organization: Internet Direct
reply-to: tedlee@direct.ca
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general

In <4dsem1$fda@jobes.sierra.net>, solomon6@foothill.net writes:
>Im a ham radio operator also. I would like to see somemore postings on
>this newsgroup. I know there are more hams than just the 2 of us.
>Guess everyone is on the radio!!!!!!!!!!!!!!!!]
>
>Ned
>
>>i am a ham radio operator, new on the internet.first time on this ham
>>section. where is the positive stuff and information regarding the hobby.
>>this aera seems to be empty. (a little disappointing)
>
>>joe.
>
>
>
>

Everybody is not on the radio. There're on the Internet!

I sign on to the net daily now. At 14.4K compress.

While on Ax.25 it's only running at 1200 baud when no one else is on.
Other the effective baud is only 300 or 100 on VE7LAN.

****
Ted Lee
email: tedlee@direct.ca
AX.25: VE7LEE@VE7KIT.#VANC.BC.CAN.NA
****

```
From 1890002997986560542
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
From: allred@allred  (Paul Allred)
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/22
Message-ID: <4dut8d$46t@darwin.i3s.net>#1/1
X-Deja-AN: 136158170
references: <4crvif$cbm@grid.direct.ca> <4cvd7t$3ku@news.flinet.com>
<1d7cc$d171e.62@news.inf.net> <4dsem1$fda@jobes.sierra.net>
organization: I3s Inc.
reply-to: allred@teleteam.com (Paul Allred)
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general

In <4dsem1$fda@jobes.sierra.net>, solomon6@foothill.net writes:
>Im a ham radio operator also. I would like to see somemore postings on
>this newsgroup. I know there are more hams than just the 2 of us.
>Guess everyone is on the radio!!!!!!!!!!!!!!!!]
>
>Ned
>
>>i am a ham radio operator, new on the internet.first time on this ham
>>section. where is the positive stuff and information regarding the hobby.
>>this aera seems to be empty. (a little disappointing)
>
>>joe.
>
>
>
I am new to the internet as well.  This is my first look at this newsgroup.
Perhaps we can get this going or else find more activity.  Any suggestions???  My
call is N5BKV

'73s from Paul Allred




From -2792176411698764 87
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
```

X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
From: tedlee@direct.ca
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/22
Message-ID: <4duvvc$j1s@grid.direct.ca>#1/1
X-Deja-AN: 136314175
references: <4crvif$cbm@grid.direct.ca> <4cvd7t$3ku@news.flinet.com>
<1d7cc$d171e.62@news.inf.net> <Pine.SUN.3.91.960116132505.20843K-100000@seatimes>
<ve7zvz-1801961305170001@ppp32.dowco.com> <310120A5.66E6@3lefties.com>
organization: Internet Direct
reply-to: tedlee@direct.ca
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general

In <310120A5.66E6@3lefties.com>, Earl Needham <needhame@3lefties.com> writes:
>You know, this thread reminded me of something funny that happened to me a few
years ago.
> I hung a dipole, and had to wait a few days to get some coax to run to it. The
wire was hung in
>the air & not connected to a rig at all.
>   Well guess what? Somebody came over and accused me of causing interference!
8-)
>
It happens all the time.

That's how you test your out neighbour to see if they are Ham friendly.

****
Ted Lee
email: tedlee@direct.ca
AX.25: VE7LEE@VE7KIT.#VANC.BC.CAN.NA
****

From -2709333713486096427
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public

```
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
From: ve7zvz@dowco.com (Scott Leaf)
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/22
Message-ID: <ve7zvz-2201961147490001@ppp49.dowco.com>#1/1
X-Deja-AN: 136572054
sender: news@dowco.com
references: <4crvif$cbm@grid.direct.ca> <4cvd7t$3ku@news.flinet.com>
<1d7cc$d171e.62@news.inf.net> <4dsem1$fda@jobes.sierra.net>
organization: Mountain DX Club
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general

In article <4dsem1$fda@jobes.sierra.net>, solomon6@foothill.net wrote:

-> Im a ham radio operator also. I would like to see somemore postings on
-> this newsgroup. I know there are more hams than just the 2 of us.
-> Guess everyone is on the radio!!!!!!!!!!!!!!!!]
->
-> Ned
->
-> >i am a ham radio operator, new on the internet.first time on this ham
-> >section. where is the positive stuff and information regarding the hobby.
-> >this aera seems to be empty. (a little disappointing)
->
-> >joe.


Try rec.radio.amateur.misc  .space .packet .homebrew .policy, etc.

--
Scott Leaf VE7ZVZ CN89os
ve7zvz@dowco.com
Port Coquitlam, British Columbia, Canada
Mountain DX Club - "To boldy VHF where no ham has VHFed before"
Coming up Summer '96 DX-pedition to rare grid CO80, on 6M, 2M & 70cm




From -7120135164037103575
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fc734,2748ea34d77aad4c,start
X-Google-Attributes: gidfc734,public
X-Google-Thread: 10c9e3,2748ea34d77aad4c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,2748ea34d77aad4c,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 114fbf,2748ea34d77aad4c,start
X-Google-Attributes: gid114fbf,public
From: boddeke@ph.tn.tudelft.nl (Frank Boddeke)
Subject: WEFAX on Mac
Date: 1996/02/19
Message-ID: <4g9t9v$b2g@cyber.tn.tudelft.nl>#1/1
```

X-Deja-AN: 140060928
organization: Delft University of Technology, Faculty of Applied Physics
newsgroups: alt.ham-radio.rtty,alt.ham-radio.ssb,rec.radio.shortwave,rec.ham-radio

Hi there,

Is there a PD package available to decode WEFAX (or other) on a Mac?

Thanks, Frank Boddeke

From -5292286749830366699
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,59c61c8868432378,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,59c61c8868432378,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,59c61c8868432378,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,59c61c8868432378,start
X-Google-Attributes: gidf76e2,public
From: ve7zzx@wimsey.com (Claude Leduc)
Subject: TS-60S 6 Meter 100W all-mode
Date: 1996/02/19
Message-ID: <ve7zzx-1902961129480001@ppp39.dowco.com>#1/1
X-Deja-AN: 140142439
sender: news@dowco.com
organization: Mountain DX Club
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.swap

For sale TS-60S 6 Meter 100W all-mode mobile
Brand new, in box with all papers.

$1000 CDN
$ 725 US

Price is firm
VE7ZZX
Claude Leduc
Port Coquitlam, British Columbia
Canada
ve7zzx@wimsey.com

From -8506727274652430004
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fc734,2748ea34d77aad4c
X-Google-Attributes: gidfc734,public
X-Google-Thread: 10c9e3,2748ea34d77aad4c
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 114aac,2748ea34d77aad4c
X-Google-Attributes: gid114aac,public
X-Google-Thread: 114fbf,2748ea34d77aad4c
X-Google-Attributes: gid114fbf,public
From: "F.A. Pinkse" <franspin@ims.chem.uva.nl>
Subject: Re: WEFAX on Mac
Date: 1996/02/20
Message-ID: <3129AB5E.41C6@ims.chem.uva.nl>#1/1
X-Deja-AN: 140248230
references: <4g9t9v$b2g@cyber.tn.tudelft.nl>
to: Frank Boddeke <boddeke@ph.tn.tudelft.nl>
content-type: text/plain; charset=us-ascii
organization: Academic Computer Services Amsterdam (SARA)
mime-version: 1.0
newsgroups: alt.ham-radio.rtty,alt.ham-radio.ssb,rec.radio.shortwave,rec.ham-radio
x-mailer: Mozilla 2.0 (X11; I; AIX 2)

Frank Boddeke wrote:
>
> Hi there,
>
> Is there a PD package available to decode WEFAX (or other) on a Mac?
>
> Thanks, Frank Boddeke

Yes I thnk so. Look for A Mac-info mirror, and search for RadFax 0.9
If you can't find it please contact me again, since I have to dig for
the URL.
As the version number is very low you can conclude it is not as mature
as you wish.

Furthermore I am also very busy in the search for such a program.

Frans Pinkse. PA2FAP

Misschien kunnen we contact onderhouden??

From -7232761478974761098
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fcc6e,9e1c0d0ecef7c1f0,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 10c9e3,9e1c0d0ecef7c1f0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1155c8,9e1c0d0ecef7c1f0,start
X-Google-Attributes: gid1155c8,public
X-Google-Thread: f7856,9e1c0d0ecef7c1f0,start
X-Google-Attributes: gidf7856,public
X-Google-Thread: 10f32b,9e1c0d0ecef7c1f0,start
X-Google-Attributes: gid10f32b,public

X-Google-Thread: f7653,9e1c0d0ecef7c1f0,start
X-Google-Attributes: gidf7653,public
From: mecc@mb.fukuoka.infoweb.or.jp
Subject: Need : IF/RF Detectors
Date: 1996/02/21
Message-ID: <NEWTNews.30426.824924323.mecc@mecc.fukuoka.infoweb.or.jp>#1/1
X-Deja-AN: 140401343
content-type: TEXT/PLAIN; charset=US-ASCII
organization: InfoWeb Fukuoka NOC
mime-version: 1.0
newsgroups:
rec.video.satellite.tvro,rec.radio.amateur.digital.misc,rec.radio.amateur.antenna,
rec.ham-radio,alt.support.turner-syndrom,alt.radio.digital

Hi there, I am looking for IF/RF detectors/detector diodes for micropower
measurements (100 MHz - 2 GHz). Has anybody had any good or bad experiences
whith this products ? Has anybody know manufactures which produce such parts.
Thanx in advance for any help.
N. Alexander

e-mail: mecc@mb.fukuoka.infoweb.or.jp

From 2149566412476656247
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fcc6e,9e1c0d0ecef7c1f0
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 10c9e3,9e1c0d0ecef7c1f0
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1155c8,9e1c0d0ecef7c1f0
X-Google-Attributes: gid1155c8,public
X-Google-Thread: f7856,9e1c0d0ecef7c1f0
X-Google-Attributes: gidf7856,public
X-Google-Thread: f7653,9e1c0d0ecef7c1f0
X-Google-Attributes: gidf7653,public
X-Google-Thread: 10f32b,9e1c0d0ecef7c1f0
X-Google-Attributes: gid10f32b,public
From: tomb@lsid.hp.com (Tom Bruhns)
Subject: Re: Need : IF/RF Detectors
Date: 1996/02/21
Message-ID: <4gfhg2$f92@hpcvsnz.cv.hp.com>#1/1
X-Deja-AN: 140502018
references: <NEWTNews.30426.824924323.mecc@mecc.fukuoka.infoweb.or.jp>
followup-to:
rec.video.satellite.tvro,rec.radio.amateur.digital.misc,rec.radio.amateur.antenna,
rec.ham-radio,alt.support.turner-syndrom,alt.radio.digital
organization: Hewlett Packard Corvallis Site
newsgroups:
rec.video.satellite.tvro,rec.radio.amateur.digital.misc,rec.radio.amateur.antenna,
rec.ham-radio,alt.support.turner-syndrom,alt.radio.digital

mecc@mb.fukuoka.infoweb.or.jp wrote:

: Hi there, I am looking for IF/RF detectors/detector diodes for micropower
: measurements (100 MHz - 2 GHz). Has anybody had any good or bad experiences
: whith this products ? Has anybody know manufactures which produce such parts.

My employer, and I'm sure others, make detector diodes intended for use at zero bias. There is a pretty good article about them in the December, 1995, "Hewlett Packard Journal." If you would be happy with an SOT-23 package, the HSMS-2850 might be worth looking at. At low power levels, the output into the proper load is nearly linear in voltage versus input power; that diode has about 100mV/uW sensitivity in the frequency range you are interested in. You should be able to measure down to nanowatt levels with homebrew stuff; that's a fraction of a millivolt of RF.

--
Cheers,
Tom
tomb@lsid.hp.com

```
From 2635294626629540917
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fc734,2748ea34d77aad4c
X-Google-Attributes: gidfc734,public
X-Google-Thread: 10c9e3,2748ea34d77aad4c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,2748ea34d77aad4c
X-Google-Attributes: gid114aac,public
X-Google-Thread: 114fbf,2748ea34d77aad4c
X-Google-Attributes: gid114fbf,public
From: lars.bergstrom@interact.se (Lars Bergstrom)
Subject: Re: WEFAX on Mac
Date: 1996/03/02
Message-ID: <lars.bergstrom-0203960219460001@dialup-01-11.interact.se>#1/1
X-Deja-AN: 141783856
references: <4g9t9v$b2g@cyber.tn.tudelft.nl>
organization: Uniplus Internet Access
newsgroups: alt.ham-radio.rtty,alt.ham-radio.ssb,rec.radio.shortwave,rec.ham-radio
```

In article <4g9t9v$b2g@cyber.tn.tudelft.nl>, boddeke@ph.tn.tudelft.nl (Frank Boddeke) wrote:

> Is there a PD package available to decode WEFAX (or other) on a Mac?

Yes. I have tested RADFAX that can be ftp:d from funet (Finnish university network). Use Anarchie to get the full ftp address. Radfax uses the Mac:s internal (or external) microphone input to decode the wefax signal directly. No add-ons is needed but to get a crisp image I recommend some Audio filtering.

/Lars Bergstrom

From 5274493703105568971
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4ec2895720e295ae,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,4ec2895720e295ae,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,4ec2895720e295ae,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,4ec2895720e295ae,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa029,4ec2895720e295ae,start
X-Google-Attributes: gidfa029,public
From: ralph@TeamInfinity.com (Ralph)
Subject: HOW do I Build THIS INCREDIBLE AM BOOSTER DEVICE ?
Date: 1996/03/15
Message-ID: <4ick5n$4gn@dialin01.teaminfinity.com>#1/1
X-Deja-AN: 142862680
organization: TEAM INFINITY P.O. BOX 952 Greenbelt, MD 20770 USA
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.ham-radio.packet,rec.radio.scanner,rec.radio.shortwave

HOW DO I make this INCREDIBLE AM RADIO BOOSTER, for AM DXing ?

```
           -----------
          /        \
         /          \
         |          |
         |          |       Simple Sketch
         |          |
         |          |
         \      _      /
          \    { }    /
           -----------
```

I am looking for actual plans to build the above AM Antenna Booster device. It is a REMARKABLE device in that it takes no power or batteries, does not actually attach to your AM radio in any way, just needs to be near it, and IT BOOSTS FARAWAY AM RADIO signals like you would not believe ! It also appears to be incredibly simple to build, if only I knew how.

This device, which I have seen once is made of wood, the large cirlce is a hoop of (perfectly circluar unlike the drawing) and about 18 inches in diameter, and the hoop width is about 3 inches, there is a band covered with cork in the middle of this hoop I presume covering copper windings.

The small circle in the bottom of the larger hoop is a small cylindrical device of unknown composition. The axis of the hoop and the small cylinder are parallel. The small cylinder in tangent to the hoop's inside.

There is also a dial that I assume tunes the device.

I hear that it is an inductively coupled LC resonator (equivalent to a small loop) which should be regarded as the primary of a tuned RF transformer, the secondary for which is the ferrite-cored loop within your ordinary AM radio.

They further went on to say that as such one needs to couple them (your AM radio and this device) in the appropriate manner, depending on the orientation of the ferrite in the AM radio (they find its not necessary to put the secondary (your AM radio) into the loop).

Any help and actual plans would be GREATLY APPRECIATED:

Ralph@TeamInfinity.com

From -5119466624081678186
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4ec2895720e295ae
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,4ec2895720e295ae
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,4ec2895720e295ae
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa029,4ec2895720e295ae
X-Google-Attributes: gidfa029,public
X-Google-Thread: fddbf,4ec2895720e295ae
X-Google-Attributes: gidfddbf,public
From: cbaer@mail.bcpl.lib.md.us (Chas)
Subject: Re: HOW do I Build THIS INCREDIBLE AM BOOSTER DEVICE ?
Date: 1996/03/16
Message-ID: <DoCuJ3.Eqz@abs.net>#1/1
X-Deja-AN: 142849105
x-nntp-posting-host: ppp29.bcpl.lib.md.us
sender: usenet@abs.net
references: <4ick5n$4gn@dialin01.teaminfinity.com>
organization: ABSnet Internet Services, Inc. - info@abs.net - (410)-361-8160
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.ham-radio.packet,rec.radio.scanner,rec.radio.shortwave

ralph@TeamInfinity.com (Ralph) wrote:

>HOW DO I make this INCREDIBLE AM RADIO BOOSTER, for AM DXing ?

```
>          -----------
>         /        \
>        /          \
>        |          |
>        |          |       Simple Sketch
>        |          |
>        |          |
>        \      _      /
>         \    { }    /
>          -----------
```

>I am looking for actual plans to build the above AM Antenna Booster device.
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>actually attach to your AM radio in any way, just needs to be near it, and
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>appears to be incredibly simple to build, if only I knew how.

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>hoop of (perfectly circluar unlike the drawing) and about 18 inches in
>diameter, and the hoop width is about 3 inches, there is a band covered with
>cork in the middle of this hoop I presume covering copper windings.

>The small circle in the bottom of the larger hoop is a small cylindrical
>device of unknown composition. The axis of the hoop and the small cylinder
>are parallel. The small cylinder in tangent to the hoop's inside.

>There is also a dial that I assume tunes the device.

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>loop) which should be regarded as the primary of a tuned RF transformer, the
>secondary for which is the ferrite-cored loop within your ordinary AM radio.

>They further went on to say that as such one needs to couple them (your AM
>radio and this device) in the appropriate manner, depending on the
>orientation of the ferrite in the AM radio (they find its not necessary to
>put the secondary (your AM radio) into the loop).

>Any help and actual plans would be GREATLY APPRECIATED:

>   Ralph@TeamInfinity.com

The sketch looks just like the "Scantenna" a commercial product that
does work wonderfully. They advertise in PopComm every month. The unit
is housed in a plastic case. It would probably cost you nearly as much
to build one considering the complexity of the gearing for the tuning

device. I've had mine for many years and am using it currenty with a GE Superradio III. Probably the most inexpensive combo around for AM DXing. The SRIII is going for around $40 in the Baltimore area and the Scantenna around $30 (Mail order only)

By the way if you live in the Baltimore area listen to High tech talk on WCBM 680 on Saturday afternoons starting at 2 pm, theres a store near BWI that advertises on the show that has a similar antenna to the Scantenna available at their store that has a no questions asked moneyback guarantee

Charlie

From 626650718102199790
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fb2a2415aaf4a776,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,fb2a2415aaf4a776,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,fb2a2415aaf4a776,start
X-Google-Attributes: gidf76e2,public
From: M <mbodenn4tzv@may-uky.campus.mci.net>
Subject: WTB: Repeater controller with Autopatch
Date: 1996/03/17
Message-ID: <4ih7vm$q54@ns.campus.mci.net>#1/1
X-Deja-AN: 142956428
content-type: text/plain; charset=us-ascii
organization: MCI State Government and University Systems
mime-version: 1.0
newsgroups: rec.radio.amateur.equipment,rec.ham-radio.swap,rec.ham-radio
x-mailer: Mozilla 1.1N (Windows; I; 16bit)

Need to buy a controller to replace the home brew system that club has.
Please give me a note if you have one for sale.

From -8644837044847625635
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5b53f2b9a8f8533f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,5b53f2b9a8f8533f,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fb049,5b53f2b9a8f8533f,start
X-Google-Attributes: gidfb049,public
X-Google-Thread: 114671,5b53f2b9a8f8533f,start

X-Google-Attributes: gid114671,public
From: berndm@cs.monash.edu.au (Bernd Meyer)
Subject: OZ - Tasmania: Repeater VHF/UHF
Date: 1996/03/18
Message-ID: <berndm-1803961038050001@caravaggio.cs.monash.edu.au>#1/1
X-Deja-AN: 143067341
organization: Monash University
newsgroups: aus.radio.amateur.misc,,rec.ham-radio,,rec.radio.amateur.misc,,alt.ham-radio.vhf-uhf

Hi,

does anybody have a list of 2m/70cm repeaters (frequencies and locations)
in Australia and in particular in TASMANIA? ... or a pointer to a source?

Please reply via email (berndm@cs.monash.edu.au), as I am normally not
reading this list.

Thanks a lot!

73,

Bernd

From -2856453256482985384
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5b53f2b9a8f8533f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,5b53f2b9a8f8533f
X-Google-Attributes: gid107ada,public
X-Google-Thread: 114671,5b53f2b9a8f8533f
X-Google-Attributes: gid114671,public
X-Google-Thread: fb049,5b53f2b9a8f8533f
X-Google-Attributes: gidfb049,public
From: David <dsimp@tbsa.com.au>
Subject: Re: OZ - Tasmania: Repeater VHF/UHF
Date: 1996/03/28
Message-ID: <4jcn8f$9lu@news.tbsa.com.au>#1/1
X-Deja-AN: 144591738
references: <berndm-1803961038050001@caravaggio.cs.monash.edu.au>
to: berndm@monash.edu.au
content-type: text/plain; charset=us-ascii
organization: Talkback Systems Australia
mime-version: 1.0
newsgroups: aus.radio.amateur.misc,,rec.ham-radio,,rec.radio.amateur.misc,,alt.ham-radio.vhf-uhf
x-mailer: Mozilla 1.1 (Windows; I; 16bit)

berndm@cs.monash.edu.au (Bernd Meyer) wrote:
>Hi,
>

```
>does anybody have a list of 2m/70cm repeaters (frequencies and locations)
>in Australia and in particular in TASMANIA? ... or a pointer to a source?

Bernhard,

Log into web site at http://www.tbsa.com.au and you will find out what
you need plus more.

Regards.,
David.




From -5992368966082876736
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5fc3277e2b8ab80b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,5fc3277e2b8ab80b,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: f7653,7345d850f7bfd93b
X-Google-Attributes: gidf7653,public
From: barryc@mpd.tandem.com (Barry D. Chalcroft - N5WNI)
Subject: TM701A 9600 Baud Interface info
Date: 1996/03/29
Message-ID: <4jhd71$rid@news.mpd.tandem.com>#1/1
X-Deja-AN: 144889824
distribution: world
references: <4jaard$6k0@news.radio.org>
organization: Tandem Computers, Inc. ISD division
keywords: TM701A,9600,KPC 9612
reply-to: barryc@mpd.tandem.com
newsgroups: rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew,rec.ham-
radio

Hi,

I some info on modifying a TM701A for use @ 9600 baud. I'll
be using a KPC 9612.

TNX and CUL,
-barryc


-------------------------------------------------------------------------
Barry D. Chalcroft / N5NWI                Tandem Computers ISD, Austin,TX
Work: (512) 432-8723            The Home of "UNIX with Integrity"
EMAIL:   barryc@isd.tandem.com            76500.2177@compuserve.com
     n5nwi@aol.com          n5nwi@w5syt.#aus.tx.usa.noam
```

```
From 4022067587103624753
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,de1686cbf07d6839,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,de1686cbf07d6839,start
X-Google-Attributes: gid1109af,public
From: lsm@tir.com
Subject: FS Ht-90
Date: 1996/04/20
Message-ID: <4l9pqe$kfd@ramp2.tir.com>#1/1
X-Deja-AN: 150440708
organization: The Internet Ramp
newsgroups: rec.ham-radio,rec.radio.swap
```

UHF 2 ch w/pl

461.65/466.65

and 461.65 simp 85.4 hz

Standard rate drop in charger and porta-clip; cases available too.

First $150 takes; SUPER CLEAN, newer battery

```
From 1229532773648029998
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8ddf2682f32c8c65,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,8ddf2682f32c8c65,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,8ddf2682f32c8c65,start
X-Google-Attributes: gidfa029,public
From: doc@dxnet.com (Anthony O. Cardenas ~ WA6IGJ)
Subject: Ni-Cad's ~ Back from the Dead!
Date: 1996/04/29
Message-ID: <3185181b.15879916@news.dxnet.com>#1/1
X-Deja-AN: 152289420
organization: Microserve Information Systems (800)-380-INET
newsgroups: alt.radio.scanner,rec.radio.scanner,rec.ham-radio
```

As seen in Feb. 96', NUTS n' VOLTS, page 52.
1-800-783-4624 Subscriptions and back issues.

Bring those dead Ni-Cad's back to life with the "Nickle-Cadmium Battery Zapper Kit".

Works with 1.5, 2.4, 3.6, 6, 9, 12 and 24 Volt batteries.

The article describes Ni-Cad 'memory', brief chemistry text, deep discharging, overcharging and 'whiskers' (dendrites) that cause the cell(s) to short and refuse charge.

I will caution you that the writer recommends that you 'zap' each cell within a multi-cell battery. This may require some battery case disassembly.

The kit appears to be very easy to assemble, even for a novice. All parts and PC Board, $18.95 plus $4.25 shipping. #C6278.
1-800-669-5810 (order only), 314-427-6116 (info)

Uncle T.
WA6IGJ

From 665314023428866782
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df2d381263749786,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,df2d381263749786,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: fda75,df2d381263749786,start
X-Google-Attributes: gidfda75,public
X-Google-Thread: f76e2,df2d381263749786,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,df2d381263749786,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,df2d381263749786,start
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f851e,df2d381263749786,start
X-Google-Attributes: gidf851e,public
From: bmoore@io.org (Barry Moore)
Subject: Complete Amateur HF Station
Date: 1996/05/24
Message-ID: <4o38nd$ar2@news1.io.org>#1/1
X-Deja-AN: 156427222
organization: Internex Online (io.org), Toronto, Ontario, Canada
newsgroups: torfree.for-sale,tor.buysell,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap,rec.radio.amateur,rec.radio.amateur.swap

1 - Kenwood TS-820 HF Tranceiver - 180W 160M-10M
1 - Heathkit SB610 Monitor Scope
1 - Heathkit HM102 HF RF Power Meter & SWR Bridge
1- Cubic ST-2B - 1 KW Antenna Tuner
1- Drake DL300 Dummy Load

$600 or best offer. - 416-422-4024 X241 (outside office hours the voice mail will page me, or reply by email.

Regards.... BM

From 1398332701196361450
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6c27c76b4c0d1402,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10a37d,6c27c76b4c0d1402,start
X-Google-Attributes: gid10a37d,public
X-Google-Thread: 1086ba,6c27c76b4c0d1402,start
X-Google-Attributes: gid1086ba,public
X-Google-Thread: 110eef,6c27c76b4c0d1402,start
X-Google-Attributes: gid110eef,public
X-Google-Thread: fc4f4,6c27c76b4c0d1402,start
X-Google-Attributes: gidfc4f4,public
X-Google-Thread: 10f691,6c27c76b4c0d1402,start
X-Google-Attributes: gid10f691,public
X-Google-Thread: 1031e5,6c27c76b4c0d1402,start
X-Google-Attributes: gid1031e5,public
From: Keith Wilson <kawilson@portal.ca>
Subject: Law Enforcement Torch Run
Date: 1996/05/29
Message-ID: <31ACF56D.2EC0@portal.ca>#1/1
X-Deja-AN: 157447098
content-type: text/plain; charset=us-ascii
organization: Client of Intenet Portal Services
mime-version: 1.0
newsgroups: rec.crafts,rec.equestrian,rec.fitness,rec.folk-dancing,rec.food,rec.garden,rec.ham-radio
x-mailer: Mozilla 2.01 (Win16; I)

PARDON MY INTRUSION, BUT::
The Law Enforcement Torch Run has an IMPORTANT MESSAGE for All Good People

HELP! HELP!

We are Police Officers in Your Community, and we want to help mentally challenged athletes through SPECIAL OLYMPICS. The TORCH RUN is a major fund-raising arm of SPECIAL OLYMPICS. We raise money by conducting special events, fund-raisers, soliciting busineses and citizens, and selling T-Shirts.

SPECIAL OLYMPICS provides athletes training, uniforms, transportation, and the opportunities to compete in local, regional, national,& international Olympic -style events. IF YOU CAN HELP...Please contact your local police department or mail your cheque/money order to:

Law Enforcement Torch Run
c/o Ridge-Meadows Detachment
Royal Canadian Mounted Police
11990 Haney Place,
Maple Ridge, BC, V2X 9B8

Tax Receipts will be mailed for amounts of $20.00 or more (or on request)

For more info please send e-mail

THANKS FOR YOUR TIME   Keith Wilson

From 1450323493944737150
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8239c68def53f638,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f851e,8239c68def53f638,start
X-Google-Attributes: gidf851e,public
X-Google-Thread: fa656,8239c68def53f638,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fda75,8239c68def53f638,start
X-Google-Attributes: gidfda75,public
X-Google-Thread: f76e2,8239c68def53f638,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,8239c68def53f638,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1031c8,8239c68def53f638,start
X-Google-Attributes: gid1031c8,public
From: bmoore@io.org (Barry Moore)
Subject: Complete Amateur HF Station
Date: 1996/05/31
Message-ID: <4omqr6$fk9@news1.io.org>#1/1
X-Deja-AN: 157724933
organization: Internex Online (io.org), Toronto, Ontario, Canada
newsgroups: torfree.for-sale,tor.buysell,rec.ham-radio,rec.ham-radio.swap,rec.radio.swap,rec.radio.amateur,rec.radio.amateur.swap

1 - Kenwood TS-820 HF Tranceiver - 180W 160M-10M
1 - Heathkit SB610 Monitor Scope
1 - Heathkit HM102 HF RF Power Meter & SWR Bridge
1- Cubic ST-2B - 1 KW Antenna Tuner
1- Drake DL300 Dummy Load

$600 or best offer. - 416-422-4024 X241 (outside office hours the voice mail will page me, or reply by email.

Regards.... BM

From 2705812195486404650
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc0f1f8ec6f54491,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,fc0f1f8ec6f54491,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fa656,fc0f1f8ec6f54491,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: fa029,fc0f1f8ec6f54491,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1109af,fc0f1f8ec6f54491,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 11480d,fc0f1f8ec6f54491,start
X-Google-Attributes: gid11480d,public
X-Google-Thread: f7653,fc0f1f8ec6f54491,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: fcc6e,fc0f1f8ec6f54491,start
X-Google-Attributes: gidfcc6e,public
From: n8jms@cars.org (Greg Kopp (N8JMS))
Subject: COMPUTER SHOW / HAMFEST - June 16, 1996 (Ohio)
Date: 1996/05/31
Message-ID: <n8jms-3105961035050001@news.en.com>#1/1
X-Deja-AN: 157788677
organization: Exchange Network Services
newsgroups: rec.radio.shortwave,rec.radio.swap,rec.radio.scanner,rec.ham-radio,rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.dx

What:
HAMFEST - COMPUTER SHOW - ELECTRONICS FLEA MARKET

When:
June 16, 1996

Time:
8AM - 1PM

Where:
Nordonia High School, Macedonia, Ohio (Just south of Cleveland)

Join the Cuyahoga Amateur Radio Society at its 5th annual Hamfest!

This years Grand Prize:
- An Icom 2350H Dual Band Mobile!

And don't miss out on these door prizes:
- An Icom 2GXAT 2m Handheld!
- A 28.8K External Modem!
- A Handheld Scanner!

Tickets are $3.00 in advance. ($4.00 at the door.)

Inside Vendor Spaces are $11.00 each and include one admission ticket. Additional spaces are available for $8.00. (Inside vendor setup will be on Saturday night 6pm-9pm and Sunday morning at 6am.)

Outdoor Vendor Spaces are $4.00 each.

For reservations or info, call Rich James, N8FIL at 1-800-404-2282, visit our WWW site at "http://www.cars.org" or send e-mail to: hamfest@cars.org

73 de N8JMS

From -6364688226789165817
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f4535,77cd4470752f4a9c,start
X-Google-Attributes: gidf4535,public
X-Google-Thread: 10c9e3,77cd4470752f4a9c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fda75,77cd4470752f4a9c,start
X-Google-Attributes: gidfda75,public
X-Google-Thread: 10c2ee,77cd4470752f4a9c,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: f76e2,77cd4470752f4a9c,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f851e,77cd4470752f4a9c,start
X-Google-Attributes: gidf851e,public
From: bmoore@io.org (Barry Moore)
Subject: FS: New Tubes 6L6GC,2E26,6HB5,6GH8A,6GK6
Date: 1996/06/03
Message-ID: <4otlpn$1pm@news1.io.org>#1/1
X-Deja-AN: 158162700
organization: Internex Online (io.org), Toronto, Ontario, Canada
newsgroups: torfree.for-sale,tor.buysell,rec.ham-radio,rec.ham-radio.swap,rec.audio.tubes,rec.antiques.radio+phono

Moving sale.... I have the following tubes for sale

2 x 6L6GC - $3 Each (Plus Shipping)
2 X 2E26 - $3 Each (Plus Shipping) - Mil Surplus - Never used
1 X 6HB5 - $3 (Plus Shipping)
1 X 6GH8A - $1 (Plus Shipping)
1 X 6GK6 - $1 Each (Plus Shipping)

Reply by e-mail

Regards.... BM

From 8710800212128737377
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bf651fc07bc35e2c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,bf651fc07bc35e2c,start
X-Google-Attributes: gid107ada,public
From: kj6lv@cais.cais.com (Steven Chafe)
Subject: Volunteers needed - PA/DC Aids Ride
Date: 1996/06/04
Message-ID: <4p1nlg$ltu@news2.cais.com>#1/1
X-Deja-AN: 158430419
distribution: ne
organization: Capital Area Internet Service info@cais.com 703-448-4470
newsgroups: rec.ham-radio,rec.radio.amateur.misc

The Philadelphia/DC Aids Ride is in need of ham operators for June 21-23, with some registration tasks on June 20 as well. If you or someone you know would be interested in volunteering, please call the ride office at 202-293-7433 (ask for Tina) or email me back at kj6lv@cais.com.

Thanks!

From -8445235097378555097
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d18011825086d108
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 15a515,d18011825086d108
X-Google-Attributes: gid15a515,public
X-Google-Thread: 1034a0,d18011825086d108
X-Google-Attributes: gid1034a0,public
X-Google-Thread: f7653,d18011825086d108
X-Google-Attributes: gidf7653,public
X-Google-Thread: fc7b2,d18011825086d108

```
X-Google-Attributes: gidfc7b2,public
X-Google-Thread: 102c45,d18011825086d108
X-Google-Attributes: gid102c45,public
X-Google-Thread: 10bb54,d18011825086d108
X-Google-Attributes: gid10bb54,public
X-Google-Thread: f49f0,d18011825086d108
X-Google-Attributes: gidf49f0,public
From: Dave Potter <Dave.Potter@guardian.brooks.af.mil>
Subject: Re: Test ...
Date: 1996/06/06
Message-ID: <4p7cgg$sgn@xenon.brooks.af.mil>#1/1
X-Deja-AN: 158827719
references: <2e07mfz60@daniel.sicoar.com>
content-type: text/plain; charset=us-ascii
organization: AL/OE  Brooks AFB
mime-version: 1.0
newsgroups:
alt.2600,alt.hacker,alt.internet.services,alt.music.techno,comp.music,fido.chistes
,rec.ham-
radio,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.pack
et,rec.radio.amateur.space,rec.radio.shortwave,sci.electronics,sci.geo.satellite-
nav,sicoar.sicoar
x-mailer: Mozilla 1.22 (Windows; I; 16bit)
```

There's a QSO in progress on this frequency......

```
From 5973154474101541840
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f917c,99bcf71f40a901a4,start
X-Google-Attributes: gidf917c,public
X-Google-Thread: 10c9e3,99bcf71f40a901a4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10f32b,99bcf71f40a901a4,start
X-Google-Attributes: gid10f32b,public
X-Google-Thread: 108122,99bcf71f40a901a4,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f64c6,99bcf71f40a901a4,start
X-Google-Attributes: gidf64c6,public
From: Romesh C.D.Singh
Subject: Marconi MF/HF Receiver
Date: 1996/06/16
Message-ID: <4q255t$h0h@spider.rmplc.co.uk>#1/1
X-Deja-AN: 160530996
content-type: Text/Plain; charset=US-ASCII
organization: TRD Inc.
mime-version: 1.0
reply-to: rsingh@rmplc.co.uk
newsgroups: alt.radio.digital,rec.ham-
radio,rec.radio.amateur.equipment,biz.marketplace.international,uk.radio.amateur
```

For sale :
Qty 2 Marconi 2540 Synthesised mf/hf communications receiver with full crystal filterset(USB/LSM/CW/AM)and preselector unit
Qty 2 Synthesisers for above receiver
Qty 4 crystal filter set for above receiver
Qty 1 Hameg 10Mhz dual beam Oscilloscope

All in near mint condition

e-mail rsingh@rmplc.co.uk
phone +44-1245-359560

From -5530381437535216260
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 112e71,7cc4ca8ae07f255b,start
X-Google-Attributes: gid112e71,public
X-Google-Thread: f557d,7cc4ca8ae07f255b,start
X-Google-Attributes: gidf557d,public
X-Google-Thread: 10c9e3,7cc4ca8ae07f255b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10d137,7cc4ca8ae07f255b,start
X-Google-Attributes: gid10d137,public
X-Google-Thread: 105d97,7cc4ca8ae07f255b,start
X-Google-Attributes: gid105d97,public
X-Google-Thread: 114671,7cc4ca8ae07f255b,start
X-Google-Attributes: gid114671,public
X-Google-Thread: 103407,7cc4ca8ae07f255b,start
X-Google-Attributes: gid103407,public
X-Google-Thread: 107ada,7cc4ca8ae07f255b,start
X-Google-Attributes: gid107ada,public
From: sjandrew@ozemail.com.au (Steve Andrew)
Subject: New electronics WWW page and free RF and electronics CAD software
Date: 1996/06/19
Message-ID: <4q949n$mt6@reader1.reader.news.ozemail.net>#1/1
X-Deja-AN: 161026353
organization: Mad Cow Systems
reply-to: sjandrew@ozemail.com.au
newsgroups:
alt.engineering.electrical,aus.electronics,aus.radio.amateur.misc,de.sci.electronics,in.ham-radio,rec.ham-radio,rec.radio.amateur.misc,sci.electronics,sci.electronics.cad,sci.electronics.design,sci.electronics.misc,uk.radio.amateur

A beta version of RafCad-Lite is now available for free
downloading from:

http://www.ozemail.com.au/~sjandrew/

RadCad-Lite is an RF and Electronics CAD package with a difference. Full details may be obtain from the above web site.

In addition to RadCad-Lite, the above web site contains many interesting and useful links to manufacturers WWW and FTP sites as well as Amateur Radio WWW and FTP sites.

Why not drop in and take a look.

Regards... Steve Andrew

From 8617006713464209533
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f557d,7cc4ca8ae07f255b
X-Google-Attributes: gidf557d,public
X-Google-Thread: 112e71,7cc4ca8ae07f255b
X-Google-Attributes: gid112e71,public
X-Google-Thread: 10c9e3,7cc4ca8ae07f255b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114671,7cc4ca8ae07f255b
X-Google-Attributes: gid114671,public
X-Google-Thread: 10d137,7cc4ca8ae07f255b
X-Google-Attributes: gid10d137,public
X-Google-Thread: 107ada,7cc4ca8ae07f255b
X-Google-Attributes: gid107ada,public
X-Google-Thread: 103407,7cc4ca8ae07f255b
X-Google-Attributes: gid103407,public
X-Google-Thread: 105d97,7cc4ca8ae07f255b
X-Google-Attributes: gid105d97,public
From: Jon Jenkins <academic@onthenet.com.au>
Subject: Re: New electronics WWW page and free RF and electronics CAD software
Date: 1996/06/19
Message-ID: <4q9r74$mio@corolla.onthenet.com.au>#1/1
X-Deja-AN: 161078172
references: <4q949n$mt6@reader1.reader.news.ozemail.net>
to: sjandrew@ozemail.com.au
content-type: text/plain; charset=us-ascii
organization: Academic Technologies
mime-version: 1.0
newsgroups:
alt.engineering.electrical,aus.electronics,aus.radio.amateur.misc,de.sci.electronics,in.ham-radio,rec.ham-radio,rec.radio.amateur.misc,sci.electronics,sci.electronics.cad,sci.electronics.design,sci.electronics.misc,uk.radio.amateur

x-mailer: Mozilla 1.1N (Windows; I; 16bit)

Did anyone else have problems installing this:

"Could not install cos dest file is write protected"
"Error copying file vbrun300/dll ->"

then exit ??

Always interesting to see what the competition is doing !!

Jon

```
---------------------------------------------------------
Name:      Academic Technologies       Bongaree Rd,
Voice/Fax: 61-7-55-905-008/013         Terranora,
Inet:      academic@onthenet.com.au    NSW, AUSTRALIA 2486
Web:       http://www.onthenet.com.au/~academic
My 3 year old son: "Daddy, why did God put the dinosaurs here first ?"
My 6 year old daughter: "To make it interesting for us!"...think about it
!!
----------------------------------------------------------
```

From 1978555363717428144
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fcc6e,7957da2ab3bf568c,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 10c9e3,7957da2ab3bf568c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7957da2ab3bf568c,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 109375,7957da2ab3bf568c,start
X-Google-Attributes: gid109375,public
X-Google-Thread: 109bd0,7957da2ab3bf568c,start
X-Google-Attributes: gid109bd0,public
X-Google-Thread: fc2a5,7957da2ab3bf568c,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 107ada,7957da2ab3bf568c,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10d980,7957da2ab3bf568c,start
X-Google-Attributes: gid10d980,public
From: Bell-Northern Research <bizsol@magi.com>
Subject: Re: $1,800 WEEKLY! MAILING OUR CIRCULARS
Date: 1995/08/28
Message-ID: <41t2vt$9j6@crchh327.rich.bnr.ca>#1/1
X-Deja-AN: 108978757
references: <41ii92$5ge@news.internetmci.com>
<NEWTNews.809644111.7656.vbendeb@vbnd.ca.newbridge.com>

content-type: text/plain; charset=us-ascii
organization: Bell-Northern Research
x-url: news:NEWTNews.809644111.7656.vbendeb@vbnd.ca.newbridge.com
mime-version: 1.0
newsgroups:
soc.culture.russian,rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,rec.radio.amateur.antenna,rec.ham-radio,ott.jobs,ott.forsale.other,ott.forsale.computing,ont.jobs,newbridge.rec,newbridge.notice,newbridge.forsale,misc.invest.technical,misc.invest.stocks,misc.invest.canada,bc.jobs,alt.current-events.russia,ab.jobs
x-mailer: Mozilla 1.1N (X11; I; SunOS 4.1.3_U1 sun4c)

Come and visit our WWW site we may be able to help you advertise your mail
order business. We offer many different types of jobs and income opportunities
for everyone!!

http://www.magi.com/~bizsol/

Cheers,

Justin

From 4644099020961563871
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fcc6e,7957da2ab3bf568c
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 10c9e3,7957da2ab3bf568c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109375,7957da2ab3bf568c
X-Google-Attributes: gid109375,public
X-Google-Thread: 108122,7957da2ab3bf568c
X-Google-Attributes: gid108122,public
X-Google-Thread: fc2a5,7957da2ab3bf568c
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 107ada,7957da2ab3bf568c
X-Google-Attributes: gid107ada,public
X-Google-Thread: 109bd0,7957da2ab3bf568c
X-Google-Attributes: gid109bd0,public
X-Google-Thread: 10d980,7957da2ab3bf568c
X-Google-Attributes: gid10d980,public
From: "John L. Rouse" <jrouse@dc.infi.net>
Subject: Re: $1,800 WEEKLY! MAILING OUR CIRCULARS
Date: 1995/08/28
Message-ID: <41t842$eo7@allnews.infi.net>#1/1
X-Deja-AN: 108978775
references: <41ii92$5ge@news.internetmci.com>
<NEWTNews.809644111.7656.vbendeb@vbnd.ca.newbridge.com>
<41t2vt$9j6@crchh327.rich.bnr.ca>
organization: InfiNet
newsgroups:

soc.culture.russian,rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,rec.radio.amateur.antenna,rec.ham-radio,ott.jobs,ott.forsale.other,ott.forsale.computing,ont.jobs,newbridge.rec,newbridge.notice,newbridge.forsale,misc.invest.technical,misc.invest.stocks,misc.invest.canada,bc.jobs,alt.current-events.russia,ab.jobs

Bell-Northern Research <bizsol@magi.com> wrote:

>
> Come and visit our WWW site we may be able to help you advertise your mail
> order business. We offer many different types of jobs and income opportunities
> for everyone!!
>
> http://www.magi.com/~bizsol/
>
> Cheers,
>
> Justin
>

Boy, this really has a lot to do with ham radio, doesn't it?
Just another example of the greedy in hot pursuit of the
greenback without actually spending money for advertising..
I see this is also copied to alt.current-events.russia. Lots
of potential there -- get your kiosk on the Internet, hi...

73,
John KA3DBN

John L. Rouse
Capital-Gazette Communications
jrouse@dc.infi.net

```
From 6898357745341149447
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fcc6e,7957da2ab3bf568c
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 10c9e3,7957da2ab3bf568c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7957da2ab3bf568c
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,7957da2ab3bf568c
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10d980,7957da2ab3bf568c
X-Google-Attributes: gid10d980,public
X-Google-Thread: fc2a5,7957da2ab3bf568c
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 109375,7957da2ab3bf568c
X-Google-Attributes: gid109375,public
X-Google-Thread: 109bd0,7957da2ab3bf568c
```

X-Google-Attributes: gid109bd0,public
From: MRITUNJAY BANSAL <BANSA000@mail.genmills.com>
Subject: Re: $1,800 WEEKLY! MAILING OUR CIRCULARS
Date: 1995/08/28
Message-ID: <41tc51$s51@news.mr.net>#1/1
X-Deja-AN: 108978804
references: <41ii92$5ge@news.internetmci.com>
<NEWTNews.809644111.7656.vbendeb@vbnd.ca.newbridge.com>
<41t2vt$9j6@crchh327.rich.bnr.ca>
to: bizsol@magi.com
content-type: text/plain; charset=us-ascii
organization: General Mills, Inc.
mime-version: 1.0
newsgroups:
soc.culture.russian,rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,rec.radio.amateur.antenna,rec.ham-radio,ott.jobs,ott.forsale.other,ott.forsale.computing,ont.jobs,newbridge.rec,newbridge.notice,newbridge.forsale,misc.invest.technical,misc.invest.stocks,misc.invest.canada,bc.jobs,alt.current-events.russia,ab.jobs
x-mailer: Mozilla 1.1N (Windows; I; 16bit)

This is just the kind of disgusting commercial crap that we can do
without. In a high-tech world it seems, the anarchists could get away
with it!!!!!

Oh well, anxiety and pleasure I guess do go together.

Mritunjay

From -8061505045029136110
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fcc6e,7957da2ab3bf568c
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 10c9e3,7957da2ab3bf568c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109bd0,7957da2ab3bf568c
X-Google-Attributes: gid109bd0,public
X-Google-Thread: 108122,7957da2ab3bf568c
X-Google-Attributes: gid108122,public
X-Google-Thread: 109375,7957da2ab3bf568c
X-Google-Attributes: gid109375,public
X-Google-Thread: 107ada,7957da2ab3bf568c
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10d980,7957da2ab3bf568c
X-Google-Attributes: gid10d980,public
X-Google-Thread: fc2a5,7957da2ab3bf568c
X-Google-Attributes: gidfc2a5,public
From: vadim bendebury <vbendeb@vbnd.newbridge.com>
Subject: Re: $1,800 WEEKLY! MAILING OUR CIRCULARS
Date: 1995/08/28

Message-ID: <NEWTNews.809644111.7656.vbendeb@vbnd.ca.newbridge.com>#1/1
X-Deja-AN: 109199662
distribution: local
references: <41ii92$5ge@news.internetmci.com>
to: michael.vodianski@cognos.com, michael.vodianski@cognos.com
content-type: TEXT/PLAIN; charset=US-ASCII
organization: Newbridge Networks Corporation
mime-version: 1.0
newsgroups:
soc.culture.russian,rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,rec.radio.amateur.antenna,rec.ham-radio,ott.jobs,ott.forsale.other,ott.forsale.computing,ont.jobs,newbridge.rec,newbridge.notice,newbridge.forsale,misc.invest.technical,misc.invest.stocks,misc.invest.canada,bc.jobs,alt.current-events.russia,ab.jobs

hey Michael,

see what I ran into on the ott.jobs newsgroup
>
>
>
> Our company is seeking homeworkers who are willing to
> work only a few hours per week at home mailing our circulars.
> Our program pays you $6 for every envelope you secure and
> mail with our circulars, plus 40% of every sale! You are
> never required to purchase any envelopes or postage stamps
> for as long you stay in the program. The demand for our
> products has increased rapidly, thus, creating an opportunity
> to people of all backgrounds, regardless of education or
> experience to distribute our manuals. There are no quotas to
> fill and you can quit this program at anytime you wish.
> Complete distributor support is provided. To receive complete
> details immediately, reply to: dbase@internetmci.com
>
>

From 7803376399073198431
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fcc6e,7957da2ab3bf568c
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 10c9e3,7957da2ab3bf568c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10d980,7957da2ab3bf568c
X-Google-Attributes: gid10d980,public
X-Google-Thread: 109bd0,7957da2ab3bf568c
X-Google-Attributes: gid109bd0,public
X-Google-Thread: 107ada,7957da2ab3bf568c
X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,7957da2ab3bf568c

X-Google-Attributes: gid108122,public
X-Google-Thread: 109375,7957da2ab3bf568c
X-Google-Attributes: gid109375,public
X-Google-Thread: fc2a5,7957da2ab3bf568c
X-Google-Attributes: gidfc2a5,public
From: ichudov@star89.galstar.com (Igor Chudov @ home)
Subject: Re: $1,800 WEEKLY! MAILING OUR CIRCULARS
Date: 1995/08/29
Message-ID: <41v3t2$oms@mercury.galstar.com>#1/1
X-Deja-AN: 109057100
references: <41ii92$5ge@news.internetmci.com>
<NEWTNews.809644111.7656.vbendeb@vbnd.ca.newbridge.com>
<41t2vt$9j6@crchh327.rich.bnr.ca> <41t842$eo7@allnews.infi.net>
followup-to:
soc.culture.russian,rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,rec.radio.amateur.antenna,rec.ham-radio,ott.jobs,ott.forsale.other,ott.forsale.computing,ont.jobs,newbridge.rec,newbridge.notice,newbridge.forsale,misc.invest.technical,misc.invest.stocks,misc.invest.canada,bc.jobs,alt.current-events.russia,ab.jobs
organization: Oklahoma Cannibal Society
reply-to: ichudov@galstar.com (Igor Chudov)
newsgroups:
soc.culture.russian,rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,rec.radio.amateur.antenna,rec.ham-radio,ott.jobs,ott.forsale.other,ott.forsale.computing,ont.jobs,newbridge.rec,newbridge.notice,newbridge.forsale,misc.invest.technical,misc.invest.stocks,misc.invest.canada,bc.jobs,alt.current-events.russia,ab.jobs

John L. Rouse (jrouse@dc.infi.net) wrote:
* Bell-Northern Research <bizsol@magi.com> wrote:
* >
* > Come and visit our WWW site we may be able to help you advertise your mail
* > order business. We offer many different types of jobs and income
opportunities
* > for everyone!!
* >
* > http:******
* >
* Boy, this really has a lot to do with ham radio, doesn't it?
* Just another example of the greedy in hot pursuit of the
* greenback without actually spending money for advertising..
* I see this is also copied to alt.current-events.russia. Lots
* of potential there -- get your kiosk on the Internet, hi...

Just mail to his postmaster.
--
    - Igor. SCS&R Yellow Pages: http://www.galstar.com/~ichudov/index.html
   For public PGP key, finger me or send email with Subject "send pgp key"
"There is something sexy about a computer nerd."   - actress Sandra Bullock

From -4404887545161099091

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fcc6e,7957da2ab3bf568c
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: 10c9e3,7957da2ab3bf568c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,7957da2ab3bf568c
X-Google-Attributes: gid108122,public
X-Google-Thread: 109bd0,7957da2ab3bf568c
X-Google-Attributes: gid109bd0,public
X-Google-Thread: 10d980,7957da2ab3bf568c
X-Google-Attributes: gid10d980,public
X-Google-Thread: fc2a5,7957da2ab3bf568c
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 109375,7957da2ab3bf568c
X-Google-Attributes: gid109375,public
X-Google-Thread: 107ada,7957da2ab3bf568c
X-Google-Attributes: gid107ada,public
From: "T. Hanson" <ultmark@phoenix.net>
Subject: Re: $1,800 WEEKLY! MAILING OUR CIRCULARS
Date: 1995/09/01
Message-ID: <425v8k$i8h@gryphon.phoenix.net>#1/1
X-Deja-AN: 109199695
references: <41ii92$5ge@news.internetmci.com>
<NEWTNews.809644111.7656.vbendeb@vbnd.ca.newbridge.com>
<41t2vt$9j6@crchh327.rich.bnr.ca> <41t842$eo7@allnews.infi.net>
<41v3t2$oms@mercury.galstar.com>
content-type: text/plain; charset=us-ascii
organization: Phoenix Data Systems
mime-version: 1.0
newsgroups:
soc.culture.russian,rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.radio.am
ateur.equipment,rec.radio.amateur.antenna,rec.ham-
radio,ott.jobs,ott.forsale.other,ott.forsale.computing,ont.jobs,newbridge.rec,newb
ridge.notice,newbridge.forsale,misc.invest.technical,misc.invest.stocks,misc.inves
t.canada,bc.jobs,alt.current-events.russia,ab.jobs
x-mailer: Mozilla 1.1N (Windows; I; 16bit)

ichudov@star89.galstar.com (Igor Chudov @ home) wrote:
>John L. Rouse (jrouse@dc.infi.net) wrote:
>* Bell-Northern Research <bizsol@magi.com> wrote:
>* >
>* > Come and visit our WWW site we may be able to help you advertise your mail
>* > order business.  We offer many different types of jobs and income
opportunities
Isn't it funny how by you spamming back you get your site spammed all
around.  When will you self appointed internet police learn to ignore the
post, and mail the postmaster.


>* > for everyone!!
>* >
>* > http:******
>* >
>* Boy, this really has a lot to do with ham radio, doesn't it?
>* Just another example of the greedy in hot pursuit of the
>* greenback without actually spending money for advertising..
>* I see this is also copied to alt.current-events.russia. Lots
>* of potential there -- get your kiosk on the Internet, hi...
>
>Just mail to his postmaster.
>--
>    - Igor. SCS&R Yellow Pages: http://www.galstar.com/~ichudov/index.html
>   For public PGP key, finger me or send email with Subject "send pgp key"
>"There is something sexy about a computer nerd."   - actress Sandra Bullock


--

Sincerely,
Todd H. Hanson

E-Mail ultmark@phoenix.net
|||||||||||||||||||||||||||||||||
|||||||||||||||||||||||||||||||||





From 2117358223909432537
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,afa692e9bd037cc6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,afa692e9bd037cc6,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fddbf,afa692e9bd037cc6,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 14ce5b,afa692e9bd037cc6,start
X-Google-Attributes: gid14ce5b,public
X-Google-Thread: fa656,afa692e9bd037cc6,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,afa692e9bd037cc6,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fc2a5,afa692e9bd037cc6,start
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 10c2ee,afa692e9bd037cc6,start
X-Google-Attributes: gid10c2ee,public
From: Wilmoth@Primenet.com (J. Wilmoth)
Subject: 4 Sale:  National HR05TA1 and Hammarland HQ140-AX
Date: 1995/09/04
Message-ID: <42dgd2$d08@nnrp3.primenet.com>#1/1
X-Deja-AN: 109396709
organization: Primenet
mime-version: 1.0
newsgroups: rec.antiques.radio+phono,rec.ham-radio,rec.ham-radio.packet,rec.ham-
radio.swap,rec.radio.amateur,rec.radio.amateur.equipmenet,rec.radio.amateur.equipm
```

ent,rec.radio.amateur.homebrew,rec.radio.amateur.swap,rec.radio.swap

National brand ham Receiver: HRO5TA1
----
50 khz to 30 Mhz

1940's Circa.

Excellent condition complete with all 9 plug in tuning coil sets, original speaker and power supply (both external) owners manual

Hammarlund ham Receiver: HQ140-AX

All Band

1960's Circa.

Excellent Condition. Missing External Speaker and Owner Manual.

Make offer on either or both radios if interested.

From -4107316123542012991
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fe240f8e31dcea3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,4fe240f8e31dcea3,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 1109af,4fe240f8e31dcea3,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ada,4fe240f8e31dcea3,start
X-Google-Attributes: gid107ada,public
From: oler@holly.cc.uleth.ca (Cary Oler)
Subject: BULLETIN: New Radio Propagation Software Announcement
Date: 1995/09/06
Message-ID: <42j70m$sub@vixen.cso.uiuc.edu>
X-Deja-AN: 109510358
distribution: world
approved: rrb@airwaves.chi.il.us
followup-to: rec.radio.broadcasting
organization: Unversity of Lethbridge
newsgroups: rec.radio.amateur.misc,rec.radio.shortwave,rec.ham-radio,rec.radio.swap
originator: rrb@clm.aiss.uiuc.edu

SOLAR TERRESTRIAL DISPATCH

PROUDLY ANNOUNCES THE RELEASE OF

```
 ------------------------
|  S K Y C O M   P R O  |--
|------------------------|  |
|      Version  2.0      |  |
|________________________|  |
  |________________________|
```

Adding New Dimensions to Radio Propagation

NEW low PRICES: $70.00 to $125.00 USD (see below)!

SKYCOM PRO is one of the most powerful High Frequency (HF) radio propagation packages available. Here are some of the powerful new features:

*** COMPREHENSIVE RAY-TRACING NOW INCLUDES EFFECTS OF THE EARTH'S MAGNETIC FIELD AND COLLISIONS!

This is a major step forward for radio enthusiasts!

*** RAY TRACE ORDINARY AND/OR EXTRAORDINARY RAYS!

Observe how signals split into the ordinary and extraordinary components and how they each travel independent paths through the ionosphere.

*** SOPHISTICATED TWO OR *THREE* DIMENSIONAL RAY-TRACING OF RADIO SIGNALS THROUGH THE IONOSPHERE!

SKYCOM PRO Version 2.0 now has the ability to trace signals through the ionosphere in THREE DIMENSIONS using a powerful rotatable three-dimensional grid.

*** TRACE RAYS THROUGH TILTED REGIONS OF THE IONOSPHERE!

When signals pass through regions where the ionosphere is tilted, they are refracted away from the expected great-circle paths (often very substantially). Tilts can also result in chordal-hop propagation where signals may travel great distances within the ionosphere without experiencing great attenuation. SKYCOM PRO will accurately trace signals (ordinary and extraordinary components) through tilted regions of the ionosphere, precisely showing you how far signals are deviated and where they hit the ground.

*** ACCURATE COMPUTATION OF ATTENUATING IONOSPHERIC DEVIATIVE AND NON-DEVIATIVE ABSORPTION.

*** COMPUTATION OF RADIO SIGNAL FIELD STRENGTHS.

The new ray-tracing features of SKYCOM PRO now include the direct computation of radio signal field strengths (as opposed to signal "qualities") in units of dB above 1 microvolt (dBu or dB above 1 uV).

*** CONSTRUCT BROADCAST COVERAGE MAPS USING RESULTS OF THE NEW COMPREHENSIVE RAY-TRACING FUNCTIONS.

SKYCOM PRO comes equipped with an all-new utility to read the comprehensive ray-tracing results and produce fully-contoured maps of the following important quantities:

- Signal Strength (dBu).
- Ray elevation angles at the ground.
- Propagation delays (milliseconds)
- Locations where rays (ordinary or extraordinary) reach the ground.

*** TRACINGS NOW INCLUDE THE DIFFERING ABSORBING EFFECTS OF RAYS WHICH ARE REFLECTED FROM THE GROUND (DRY EARTH), THE OCEANS, AND ICE CAPS.

Signals which are reflected by the ground are attenuated to an extent that is dependent on the characteristics of the ground. For example, signals are reflected with relative ease from the oceans but are attenuated more extensively if reflected from dry ground. SKYCOM PRO attempts to handle these different reflection conditions by referencing an earth/ocean/ice geographical database.

*** PRODUCE 24-HOURLY GRAPHS OF MAXIMUM USABLE FREQUENCIES ALONG ANY PATH.

Users can now more easily determine what times of the day may support higher frequency radio propagation. It is based on ray-tracing results and is therefore slower but more accurate than the empirical methods employed by other propagation software.

*** DEFINE THE TRANSMITTER ANTENNA RADIATION PATTERN.

SKYCOM PRO will examine antenna radiation patterns when comprehensively tracing rays through the ionosphere. Resulting signal strength values therefore include effects of antenna gain at defined radiation azimuths and angles of elevation.

*** SKYCOM PRO INCLUDES APPROPRIATE DATA FOR MANY DIFFERENT TYPES OF ANTENNAS.

SKYCOM PRO includes the following built-in antennas:

- Simple long-wire
- Sloping V
- Inverted L
- Omni-directional
- Multi-band Tropical Arrays
- Multi-band Aperiodic Reflector Arrays
- Yagis
- Quadrants
- Dipole Arrays
- Log-Periodic Arrays
- Rhombics
- Monopoles
- Curtain Array

And of course, you can create your own antenna radiation patterns.

*** COMPREHENSIVELY RAY-TRACE SIGNALS THROUGH THE IONOSPHERE USING A VARIETY OF SELECTABLE STANDARD MODELS.

SKYCOM PRO comes equipped with FIVE available standard ray-tracing models, THREE standard models of the Earth's magnetic field, THREE standard electron collision frequency models, FOUR standard models of electron density, and TWO ray-tracing integration techniques.

*** SKYCOM PRO REMAINS VERY EASY TO USE AND UNDERSTAND.
Our Users Manual has been substantially enlarged to explain in detail how to use the new features of SKYCOM PRO.

*** SKYCOM PRO CONTAINS AN EXTENSIVE CONTEXT-SENSITIVE HELP SYSTEM
Press F1 for help at any of the prompts.

*** DETAILED NUMERICAL RESULTS OF COMPRENSIVE RAY-TRACINGS CAN BE PRODUCED.

- Ground Range of the Ray.
- Lateral Deviation of the Ray measured as the change in bearing from the transmitter.
- Lateral Deviation of the Ray measured as the change of bearing at the Ray location itself.
- Elevation angle of the Ray measured from the transmitter.
- Elevation angle (or inclination) of the Ray itself measured from the horizontal.
- The polarization of the ray (including both the real and imaginary parts of the polarization).
- The Group Path.
- The Phase Path.
- Ionospheric Absorption (deviative and non-deviative).
- Change of frequency (or Doppler shift) if encountered.
- Total traversed geometrical Path Length.

*** DEFINE THE ALTITUDE OF THE TRANSMITTER ABOVE THE SURFACE OF THE EARTH FOR THREE-DIMENSIONAL RAY-TRACING.

SKYCOM PRO includes all of the other features which complemented previous versions of SKYCOM. Unless otherwise stated, most of the features listed below do not yet make use of the new comprehensive ray-tracing features, but use the simpler and faster ray-tracing methods previously employed to derive their results. A few of the more significant features include:

* PERFORM FULL HF OR VHF SPECTRUM ANALYSIS
* Study the effects of Sporadic-E on radio signals.
* Generate Oblique Ionograms between any two locations.
* Simultaneously observe changes in the electron density as the signals are traced and refracted from one point to another.
* Examine the effects of signal convergence and divergence caused by ionospheric refraction.
* Directly print-out any of the many available graphic screens produced by SKYCOM on your printer. This feature is supported in all of the new comprehensive ray-tracing functions and features of SKYCOM PRO.
* Estimate effects of solar flares (minor or major) on the ionosphere and signals traversing the daylit sides of the influenced ionosphere.
* Determine the total distance traversed inside or outside the ionosphere.
* Examine the effects on transpolar or transauroral circuits (that is,

those signal paths that cross into or through the auroral zones or polar regions where significant signal degradation can occur).

- Determine the total distance traversed by signals inside the influential auroral zones. A dynamic model of the auroral zones is employed.
- Determine optimum azimuths and elevation angles for transmitting or receiving to/from any area of the world.
- Determine ray-traced Maximum Usable Frequencies for practically any path.
- Change the colors used by SKYCOM's menu and text to anything you desire.
- PRODUCE IN-DEPTH COMPLEX GLOBAL MAPS OF IONOSPHERIC CHARACTERISTICS
  The range of constructable maps include:
  - Maximum Usable Frequencies for any time of day.
  - M-factors for 3000 km distances.
  - Critical E or F2 layer frequencies.
  - Solar zenith angles (elevation of the Sun).
  - Maximum height of the F2 layer.
  - Transverse CROSS-SECTIONS of the ionosphere for any path.
  - geomagnetic DIP or inclination angles throughout the world.
  - Total Field Intensity of the geomagnetic field.
  - Magnetic Latitude or Modified DIP angles.
- SELECT TRANSMITTER & RECEIVER LOCATIONS FROM OUR GEOGRAPHICAL DATABASE OR ADD YOUR OWN LOCATIONS TO THE DATABASE.
- YOU CAN EVEN SELECT GEOGRAPHICAL LOCATIONS BY TYPING IN GRID-SQUARE DESIGNATIONS. FOR EXAMPLE, "DO19", OR "QF10", OR EVEN THE MORE ACCURATE EXTENDED DESIGNATIONS "DN34UH" ARE SUCCESSFULLY TRANSLATED.
- Rigorously compute the FOT, or Frequency of Optimum Transmission, ensuring at least 85% of the transmitted power is reflected by the ionosphere.
- COMBINE MAPS OF DIFFERING TYPES

SKYCOM PRO Version 2.0 is a user-friendly, sophisticated and extraordinarily powerful software package. If you have any questions, or require additional specific information, contact Cary Oler: Oler@Solar.Uleth.CA, or Oler@Uleth.CA, or COler@Solar.Stanford.Edu. Alternatively, write to us at our address below, FAX us at: 403-756-3008, or leave us a message at: 403-756-2386.

Contact Oler@Solar.Uleth.CA or COler@Solar.Stanford.Edu for a comparative analysis of features between SKYCOM PRO and five popular HF propagation programs.

REQUIRED SKYCOM PRO INPUTS:

- Date and time.
- Geographical location(s) (latitude and longitude values).
- Sunspot number or 10.7 cm solar radio flux value (available from WWV or WWVH noted below). Or, values can be derived through our BCAST software (below).

OPTIONAL SKYCOM INPUTS:

- Geomagnetic A-Index (available from radio stations WWV or WWVH at 2.5, 5, 10, 15, or 20 MHz at 18 minutes past each hour).
- Location and magnitude of sporadic-E activity (available from our daily ionospheric summaries on the Internet or on computer BBS).
- Magnitude of solar flare activity for SWF analysis (again, available through our daily solar summaries on the Internet or on our computer BBS).
- Transmitter power (in Watts).
- Transmitting Antenna Radiation Pattern.
- Magnitude of polar cap absorption (if present, can be determined from our daily solar summaries on the Internet or on our computer BBS).

SKYCOM SYSTEM REQUIREMENTS:

- IBM or compatible computer system. Systems with 386 or better processors are highly recommended, but not required. Will operate fine on older computers, but more slowly.
- Math Coprocessor strongly recommended, but not mandatory. 486 or better microprocessors have built-in math coprocessors.
- MSDOS 3.3 or higher. Under the configurations we have tested, SKYCOM appears to work under the DOS mode of Windows 95. However, it has not yet been extensively tested under that new system.
- VGA graphics capabilities required. All graphics are VGA quality.
- At least 540 K of available free memory.

SKYCOM SOFTWARE PRICING INFORMATION:

Appropriate order forms have been appended below. Consult the order forms for specific pricing information.

SPECIAL BULK-PURCHASE DISCOUNT

Bulk purchases of SKYCOM PRO at discounted rates can be requested provided at least three SKYCOM PRO packages are requested per bulk order. The regular rate of $110.00 USD applies for less than three orders. For three or more orders, SKYCOM PRO is priced at $80.00 USD each. A special order form for Bulk Orders is included below. Print it out, fill it out, include the appropriate payment, and mail it to us. We will then return the requested number of SKYCOM software packages to the indicated shipping address.

SKYCOM PRO Version 2.0 ORDER FORM

Solar Terrestrial Dispatch

P.O. Box 357
Stirling, Alberta
T0K 2E0
Canada

I am interested in purchasing the SKYCOM PRO High Frequency Ionospheric Analyst Software. I have remitted a check or money order made payable to the "Solar Terrestrial Dispatch" in United States dollars (personal checks in U.S. currency are accepted) for the amount(s) listed below.

SKYCOM PRO is ONLY shipped on 3.5" high-density (1.44 MB) disks.

Please ship the software via Air-Mail to the following address:

Address: ____

____

____

____

E-Mail: ____

Phone: ____________________________ FAX: _______________________

Please Check the appropriate box below (prices include S/H):
[__] - SKYCOM only, without a printed manual ($ 110.00 USD).
[__] - SKYCOM with a printed manual ($ 125.00 USD).

If you have previously purchased SKYCOM from us:
[__] - UPGRADING to SKYCOM PRO without a printed manual ($70.00 USD).
[__] - UPGRADING to SKYCOM PRO with a printed manual ($85.00 USD).

Check the following if applicable:

[__] - Please ship ____ Extra Printed MANUALs to me. I have included the required funds ($15.00 each) for printing, shipping, and handling.

I have also enclosed the appropriate funds for the following products:

[__] - BCAST Version 1.03 (Solar & Geophysical Database Management / Analyst Software + Limited Database. $45.00)

[__] - Extended Database for BCAST Version 1.03. ($ 45.00 if registered, otherwise $50.00 if not)

*** CANADIAN RESIDENTS -- NO G.S.T. REQUIRED! ***

I understand that shipment may require between 4 and 6 weeks, depending on the delivery point and the postal service. However, please RUSH my order and ship via AIR MAIL as soon as possible. Thank you.

Date: __________________________ Signed: _________________________________

SKYCOM Version 2.0 BULK ORDER FORM

Solar Terrestrial Dispatch
P.O. Box 357
Stirling, Alberta
T0K 2E0
Canada

We are interested in purchasing at least 3 copies of the SKYCOM PRO High Frequency Ionospheric Signal Analyst software at the discounted rate of $80.00 USD each. We have remitted a check or money order made payable to the "Solar Terrestrial Dispatch" in United States currency for the amount listed below: (All prices include Shipping and Handling)

Please Ship: [_____] copies at $80.00 each on 3.5" HD disks.
(Does not include printed manuals - see below.)

Please specify the shipping address below:

SHIPPING: ____
ADDRESS

____

____

____

Contact Person: ____

Contact E-Mail: (IF AVAILABLE)____

Contact Phone: (MUST INCLUDE)____

Contact FAX: (IF AVAILABLE)____

Check the following if applicable:

[__] - Please ship ______ Printed MANUALs to the Shipping Address above.
($15.00 USD each).

We have also enclosed the appropriate funds for the following products:
Specify how many of each in the box provided.

[____] - BCAST Version 1.03 (Solar & Geophysical Database Management / Analyst Software + Limited Database. $45.00)

[____] - Extended Database for BCAST Version 1.03.
($50.00 USD)

TOTAL AMOUNT ENCLOSED: $USD____________

*** CANADIAN RESIDENTS -- NO G.S.T. REQUIRED! ***

We understand that shipment may require between 4 and 6 weeks, depending on the delivery point and the postal service. However, please RUSH our order and ship via AIR MAIL as soon as possible. Thanks.

Date: __________________________ Signed: _________________________________

==

From -8215140685253713858
X-Google-Language: DUTCH,ASCII-7-bit
X-Google-Thread: 10c9e3,a26d9403b5f93400,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,a26d9403b5f93400,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 106df8,a26d9403b5f93400,start
X-Google-Attributes: gid106df8,public
X-Google-Thread: 12e269,a26d9403b5f93400,start
X-Google-Attributes: gid12e269,public
X-Google-Thread: 148a9f,a26d9403b5f93400,start
X-Google-Attributes: gid148a9f,public
X-Google-Thread: fddbf,a26d9403b5f93400,start
X-Google-Attributes: gidfddbf,public
From: jvduin@pi.net (Jan van Duin)
Subject: Scanner Homepage Nederland
Date: 1995/10/14
Message-ID: <45oiub$3j1@neptunus.pi.net>#1/1
X-Deja-AN: 117541039
organization: Private
newsgroups: pi.oneindig,soc.culture.netherlands,rec.ham-radio,rec.ham-radio.packet,rec.radio.packet,rec.radio.cb

Hallo allemaal,

Graag wil ik de scannerluisteraars onder jullie wijzen op mijn homepage: de Scanner Homepage Nederland. De bedoeling van deze pagina's is het verzamelen en publiceren van actuele en gecontroleerde frequenties. Neem eens een kijkje op:

http://www.pi.net/~jvduin/home.html

Help mij door goede (door jezelf gevonden) frequenties, of andere interessante informatie te sturen naar:

jvduin@pi.net.
--

```
J. van Duin              >@'  @<   _@=
Woerden, Holland         (_> <_)  <__)
jvduin@pi.net       ~~~~~~~~~~~~~~~~~~~~~~~
http://www.pi.net/~jvduin/home.html
--




From 7729806433960056554
X-Google-Language: DUTCH,ASCII-7-bit
X-Google-Thread: 10c9e3,a26d9403b5f93400
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,a26d9403b5f93400
X-Google-Attributes: gid106d41,public
X-Google-Thread: fddbf,a26d9403b5f93400
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 106df8,a26d9403b5f93400
X-Google-Attributes: gid106df8,public
X-Google-Thread: 12e269,a26d9403b5f93400
X-Google-Attributes: gid12e269,public
X-Google-Thread: 148a9f,a26d9403b5f93400
X-Google-Attributes: gid148a9f,public
From: hanslen@pop.pi.net
Subject: Re: Scanner Homepage Nederland
Date: 1995/10/17
Message-ID: <NEWTNews.22620.813985102.hanslen@pi-user.pi.net>#1/1
X-Deja-AN: 117662105
references: <45oiub$3j1@neptunus.pi.net>
content-type: TEXT/PLAIN; charset=US-ASCII
organization: Planet Internet
mime-version: 1.0
newsgroups: soc.culture.netherlands,rec.radio.packet,rec.radio.cb,rec.ham-
radio.packet,rec.ham-radio,pi.oneindig


In article <45oiub$3j1@neptunus.pi.net>, <jvduin@pi.net> writes:
> Path: news.pi.net!news
> From: jvduin@pi.net (Jan van Duin)
> Newsgroups:
pi.oneindig,soc.culture.netherlands,rec.ham-radio,rec.ham-radio.packet,rec.radi
o.packet,rec.radio.cb
> Subject: Scanner Homepage Nederland
> Date: Sat, 14 Oct 1995 13:54:27 GMT
> Organization: Private
> Lines: 20
> Message-ID: <45oiub$3j1@neptunus.pi.net>
> NNTP-Posting-Host: utr0066.pi.net
> X-Newsreader: Forte Agent .99b.112
> Xref: news.pi.net pi.oneindig:446 soc.culture.netherlands:11959
rec.ham-radio:11 rec.ham-radio.packet:10 rec.radio.cb:2571
>
> Hallo allemaal,
```

```
>
> Graag wil ik de scannerluisteraars onder jullie wijzen op mijn
> homepage: de Scanner Homepage Nederland. De bedoeling van deze
> pagina's is het verzamelen en publiceren van actuele en gecontroleerde
> frequenties. Neem eens een kijkje op:
>
> http://www.pi.net/~jvduin/home.html
>
> Help mij door goede (door jezelf gevonden) frequenties, of andere
> interessante informatie  te sturen naar:
>
> jvduin@pi.net.
> --
> J. van Duin              >@'  @<   _@=
> Woerden, Holland         (_> <_)  <__)
> jvduin@pi.net       ~~~~~~~~~~~~~~~~~~~~~~~
> http://www.pi.net/~jvduin/home.html
> --
>
>
Zal ik zeker doen, hartelijk dank hiervoor

Hans





From 8081073295063239647
X-Google-Language: DUTCH,ASCII-7-bit
X-Google-Thread: 10c9e3,a26d9403b5f93400
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,a26d9403b5f93400
X-Google-Attributes: gid106d41,public
X-Google-Thread: fddbf,a26d9403b5f93400
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 148a9f,a26d9403b5f93400
X-Google-Attributes: gid148a9f,public
X-Google-Thread: 106df8,a26d9403b5f93400
X-Google-Attributes: gid106df8,public
X-Google-Thread: 12e269,a26d9403b5f93400
X-Google-Attributes: gid12e269,public
From: pa2bbs@pi.net
Subject: Re: Scanner Homepage Nederland
Date: 1995/10/19
Message-ID: <NEWTNews.28508.814147896.pa2bbs@pi-user.pi.net>#1/1
X-Deja-AN: 117769680
references: <45oiub$3j1@neptunus.pi.net>
content-type: TEXT/PLAIN; charset=US-ASCII
organization: Planet Internet
mime-version: 1.0
newsgroups: soc.culture.netherlands,rec.radio.packet,rec.radio.cb,rec.ham-
radio.packet,rec.ham-radio,pi.oneindig
```

```
In article <45oiub$3j1@neptunus.pi.net>, <jvduin@pi.net> writes:
> Path: news.pi.net!news
> From: jvduin@pi.net (Jan van Duin)
> Newsgroups:
pi.oneindig,soc.culture.netherlands,rec.ham-radio,rec.ham-radio.packet,rec.radi
o.packet,rec.radio.cb
> Subject: Scanner Homepage Nederland
> Date: Sat, 14 Oct 1995 13:54:27 GMT
> Organization: Private
> Lines: 20
> Message-ID: <45oiub$3j1@neptunus.pi.net>
> NNTP-Posting-Host: utr0066.pi.net
> X-Newsreader: Forte Agent .99b.112
> Xref: news.pi.net pi.oneindig:446 soc.culture.netherlands:11959
rec.ham-radio:11 rec.ham-radio.packet:10 rec.radio.cb:2571
>
> Hallo allemaal,
>
> Graag wil ik de scannerluisteraars onder jullie wijzen op mijn
> homepage: de Scanner Homepage Nederland. De bedoeling van deze
> pagina's is het verzamelen en publiceren van actuele en gecontroleerde
> frequenties. Neem eens een kijkje op:
>
> http://www.pi.net/~jvduin/home.html
>
> Help mij door goede (door jezelf gevonden) frequenties, of andere
> interessante informatie  te sturen naar:
>
> jvduin@pi.net.
> --
> J. van Duin              >@'  @<   _@=
> Woerden, Holland         (_> <_)  <__)
> jvduin@pi.net       ~~~~~~~~~~~~~~~~~~~~~~~
> http://www.pi.net/~jvduin/home.html
> --
>
>
hoi ik ben sjaak ik wil je heel iets anders vragen ,en dat is
kan ik ook zo een homepage openen voor me zelf en anderen.
ik zit er pas op,op internet ,vandaar. kun je mijn daar bij helpen ??
groeten sjaak uit nijmegen.
pa2bbs@pi.net
```

```
From -265831512903483848
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56bd7fa399be5186,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1110d8,56bd7fa399be5186,start
X-Google-Attributes: gid1110d8,public
```

X-Google-Thread: f9356,56bd7fa399be5186,start
X-Google-Attributes: gidf9356,public
X-Google-Thread: 114aac,56bd7fa399be5186,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f8633,56bd7fa399be5186,start
X-Google-Attributes: gidf8633,public
X-Google-Thread: f84e8,56bd7fa399be5186,start
X-Google-Attributes: gidf84e8,public
X-Google-Thread: f68a8,56bd7fa399be5186,start
X-Google-Attributes: gidf68a8,public
From: Alejandro Parada <alepara@is1.hk.super.net>
Subject: SONY SW-55, SW-77 and ICF SW-2010
Date: 1995/11/27
Message-ID: <NEWTNews.817506769.2228.alepara@alepara.hk.super.net>#1/1
X-Deja-AN: 120146365
content-type: TEXT/PLAIN; charset=US-ASCII
organization: Hong Kong SuperNET
mime-version: 1.0
newsgroups: rec.radio.shortwave,rec.radio.amateur.digital,rec.ham-radio,dc.ham-radio,aus.radio.amateur.digital,alt.internet.talk.radio,alt.internet.talk-radio

Hi,

I am writing from Hong Kong. I own a SONY 2010, and wish to buy a new SONY set.
Could anyone kindly let me know their experience with the SONY W-77 and its performance over the SW-55? Which one should I buy??

I would appreciate you E-mail your comments and suggestions to:

alepara@hk.super.net

Thank you very much in advance,

Alejandro PARADA

From -532490256189085811
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1110d8,56bd7fa399be5186
X-Google-Attributes: gid1110d8,public
X-Google-Thread: f9356,56bd7fa399be5186
X-Google-Attributes: gidf9356,public
X-Google-Thread: 10c9e3,56bd7fa399be5186
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,56bd7fa399be5186
X-Google-Attributes: gid114aac,public
X-Google-Thread: f84e8,56bd7fa399be5186

X-Google-Attributes: gidf84e8,public
X-Google-Thread: f8633,56bd7fa399be5186
X-Google-Attributes: gidf8633,public
X-Google-Thread: f68a8,56bd7fa399be5186
X-Google-Attributes: gidf68a8,public
From: leonards@idir.net (Leonard Short)
Subject: Re: SONY SW-55, SW-77 and ICF SW-2010
Date: 1995/11/28
Message-ID: <leonards-2811951135390001@idtslw04.idir.net>#1/1
X-Deja-AN: 120291086
references: <NEWTNews.817506769.2228.alepara@alepara.hk.super.net>
organization: Internet Direct Communications - Lawrence, Ks - (913) 841-2220
newsgroups: rec.radio.shortwave,rec.radio.amateur.digital,rec.ham-radio,dc.ham-radio,aus.radio.amateur.digital,alt.internet.talk.radio,alt.internet.talk-radio

In article <NEWTNews.817506769.2228.alepara@alepara.hk.super.net>,
Alejandro Parada <alepara@is1.hk.super.net> wrote:

> Hi,
>
> I am writing from Hong Kong. I own a SONY 2010, and wish to buy a new SONY
> set.
> Could anyone kindly let me know their experience with the SONY W-77 and its
> performance over the SW-55? Which one should I buy??
>
> I would appreciate you E-mail your comments and suggestions to:
>
> alepara@hk.super.net
>
>
> Thank you very much in advance,
>
>
> Alejandro PARADA

I own a Sony SW-77 and have been very happy with it's performance. I live
in eastern Kansas USA which is one of the most difficult reception areas
in the world. I think that here the Sync. operation of the SW-77 is a
great help in usable reception. Also the 77 has a Different IF frequency
for each reception band to maximise reception.

--
Leonard Short

leonards@idir.net

From 7867577362756343514
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f9356,56bd7fa399be5186
X-Google-Attributes: gidf9356,public
X-Google-Thread: 1110d8,56bd7fa399be5186

X-Google-Attributes: gid1110d8,public
X-Google-Thread: 10c9e3,56bd7fa399be5186
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,56bd7fa399be5186
X-Google-Attributes: gid114aac,public
X-Google-Thread: f84e8,56bd7fa399be5186
X-Google-Attributes: gidf84e8,public
X-Google-Thread: f8633,56bd7fa399be5186
X-Google-Attributes: gidf8633,public
X-Google-Thread: f68a8,56bd7fa399be5186
X-Google-Attributes: gidf68a8,public
From: wetv@aol.com (WETV)
Subject: Re: SONY SW-55, SW-77 and ICF SW-2010
Date: 1995/12/05
Message-ID: <4a35ov$8dp@newsbf02.news.aol.com>#1/1
X-Deja-AN: 121013788
sender: root@newsbf02.news.aol.com
references: <NEWTNews.817506769.2228.alepara@alepara.hk.super.net>
organization: America Online, Inc. (1-800-827-6364)
reply-to: wetv@aol.com (WETV)
newsgroups: rec.radio.shortwave,rec.radio.amateur.digital,rec.ham-radio,dc.ham-radio,aus.radio.amateur.digital,alt.internet.talk.radio,alt.internet.talk-radio

I am looking for military radios us or foreign from 1940-to-present.
thanks
lloyd scott
wetv@aol.com

From 6684297894537885206
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fcc6e,cbc76dadadfb5d39,start
X-Google-Attributes: gidfcc6e,public
X-Google-Thread: fddbf,cbc76dadadfb5d39,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10c9e3,cbc76dadadfb5d39,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,cbc76dadadfb5d39,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 115af6,cbc76dadadfb5d39,start
X-Google-Attributes: gid115af6,public
X-Google-Thread: f76e2,cbc76dadadfb5d39,start
X-Google-Attributes: gidf76e2,public
From: donb@Direct.CA (Don Boekenkruger)
Subject: http://www.burnabyradio.com/ham/brc.html
Date: 1995/12/06
Message-ID: <4a3eh6$9p1@grid.direct.ca>#1/1
X-Deja-AN: 121326189
organization: Internet Direct Inc.
content-type: Text/Plain; charset=US-ASCII
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-

radio.swap,rec.radio,rec.radio.amateur,rec.radio.amateur.antenna

Hello to all who read this message.

I am letting you all know that the Burnaby Radio communications WWW page is now running stable, you should be able to check it out at any time.

Some of you had problems before accessing our WWW page, but that problem should be over now. We have changed servers so our WWW Page should work all the time now.

The page is at "http://www.burnabyradio.com/ham/brc.html"

We are: Burnaby Radio Communications Ltd.
4257 E. Hastings Street
Burnaby, B.C. Canada
V5C 2J5
Phone: (604)298-5444
Fax: (604)298-5455
BBS: (604)298-3283

WWW: http://www.burnabyradio.com/ham/brc.html

Please visit us!!!

And please fill out our form, and you will receive our latest price list.

Thanks.

Don Boekenkruger
ve7cbt@intergate.bc.ca

From 1887092895901579386
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b95130c3a1d2b20e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b95130c3a1d2b20e,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,b95130c3a1d2b20e,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,b95130c3a1d2b20e,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,b95130c3a1d2b20e,start
X-Google-Attributes: gidfa656,public

X-Google-Thread: 1031c8,b95130c3a1d2b20e,start
X-Google-Attributes: gid1031c8,public
From: gregkopp@en.com (Greg Kopp)
Subject: REQUEST INFO - Oklahoma Comm Center
Date: 1995/12/11
Message-ID: <gregkopp-1112951537310001@l2-8.en.net>#1/1
X-Deja-AN: 121680223
organization: B&G Enterprises
newsgroups:
rec.radio.amateur,rec.radio.amateur.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.ham-radio,rec.ham-radio.swap

Have you ever bought anything from Oklahoma Comm Center (1-800-765-HAMS)??

I'm looking at buying a radio mail order from them. They are $30 cheaper than most other stores with free shipping and I'm not sure of thier reliability.

e-mail to gregkopp@en.com or n8jms@cars.org

From 6904883627035473324
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b95130c3a1d2b20e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b95130c3a1d2b20e
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,b95130c3a1d2b20e
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,b95130c3a1d2b20e
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,b95130c3a1d2b20e
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,b95130c3a1d2b20e
X-Google-Attributes: gid107ada,public
From: kc5egg@eule.lanl.gov
Subject: Re: REQUEST INFO - Oklahoma Comm Center
Date: 1995/12/11
Message-ID: <4aiggk$p8t@newshost.lanl.gov>#1/1
X-Deja-AN: 121680289
references: <gregkopp-1112951537310001@l2-8.en.net>
content-type: TEXT/PLAIN; charset=US-ASCII
organization: Los Alamos National Laboratory
mime-version: 1.0
newsgroups:
rec.radio.amateur.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur,rec.ham-radio.swap,rec.ham-radio

Been reliable for me and they ship free.

From 1828912763023720718
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b95130c3a1d2b20e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1031c8,b95130c3a1d2b20e
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 108122,b95130c3a1d2b20e
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,b95130c3a1d2b20e
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,b95130c3a1d2b20e
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,b95130c3a1d2b20e
X-Google-Attributes: gid107ada,public
From: Bill Bennett <bb@tisc.com>
Subject: Re: REQUEST INFO - Oklahoma Comm Center
Date: 1995/12/12
Message-ID: <4akcf4$sbh@taxis.corp.titan.com>#1/1
X-Deja-AN: 121680259
references: <gregkopp-1112951537310001@l2-8.en.net>
to: gregkopp@en.com
content-type: text/plain; charset=us-ascii
organization: The Titan Corporation, San Diego, CA, USA
mime-version: 1.0
newsgroups:
rec.radio.amateur,rec.radio.amateur.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.ham-radio,rec.ham-radio.swap
x-mailer: Mozilla 1.2N (Windows; I; 16bit)

have purchaced a yeasu ft530
and a icom 706
and a yeasu ft2400
they were $30 less than the competition and exelent attitude
and for an additional $5 they shipped 2 day

From 7275935222007195597
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b95130c3a1d2b20e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b95130c3a1d2b20e
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,b95130c3a1d2b20e
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,b95130c3a1d2b20e
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,b95130c3a1d2b20e
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,b95130c3a1d2b20e
X-Google-Attributes: gid1031c8,public

From: ssampson@icon.net (S. Sampson)
Subject: Re: REQUEST INFO - Oklahoma Comm Center
Date: 1995/12/12
Message-ID: <ssampson.36.000706A3@icon.net>#1/1
X-Deja-AN: 121793351
references: <gregkopp-1112951537310001@l2-8.en.net>
organization: (ICON) InterConnect Online, Inc.
newsgroups:
rec.radio.amateur,rec.radio.amateur.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.ham-radio,rec.ham-radio.swap

gregkopp@en.com (Greg Kopp) writes:

>Have you ever bought anything from Oklahoma Comm Center (1-800-765-HAMS)??

>I'm looking at buying a radio mail order from them. They are $30 cheaper
>than most other stores with free shipping and I'm not sure of thier
>reliability.

They are WAY up on the north side of OKC (maybe even Edmond) and I'm way down
on the south side. But I've bought several things from them, no problem.
They have a small display area, but are basically geared to mail order.
They've been in business for a few years now. They try to stay competitive
even when Hams want the wholesale price. I've seen em sell a radio for
five bucks over wholesale. I guess there's money in volume...

From -5624550587840345926
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b95130c3a1d2b20e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b95130c3a1d2b20e
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,b95130c3a1d2b20e
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1031c8,b95130c3a1d2b20e
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,b95130c3a1d2b20e
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,b95130c3a1d2b20e
X-Google-Attributes: gidfa656,public
From: Jerry Kreifels <Jerry_A_Kreifels@ccm.hf.intel.com>
Subject: Re: REQUEST INFO - Oklahoma Comm Center
Date: 1995/12/12
Message-ID: <4ak8da$pq7@mcd1.fm.intel.com>#1/1
X-Deja-AN: 122078435
references: <gregkopp-1112951537310001@l2-8.en.net>
to: gregkopp@en.com
content-type: text/plain; charset=us-ascii
organization: Intel Corporation

```
x-url: news:gregkopp-1112951537310001@l2-8.en.net
mime-version: 1.0
newsgroups:
rec.radio.amateur,rec.radio.amateur.swap,rec.radio.amateur.misc,rec.radio.amateur.
equipment,rec.ham-radio,rec.ham-radio.swap
x-mailer: Mozilla 1.1N (X11; I; AIX 2)

gregkopp@en.com (Greg Kopp) wrote:
>Have you ever bought anything from Oklahoma Comm Center (1-800-765-HAMS)??
>
>I'm looking at buying a radio mail order from them. They are $30 cheaper
>than most other stores with free shipping and I'm not sure of thier
>reliability.
>

I've dealt with OCC on 3 occaisions, beginning about Sept. 1994.  I have no
complaints with them.  I can't speak about return policies or anything, since
I've had no need to return, but I'd encourage you to buy from there.

73, Jerry

--
Jerry, KO6JV (Sacramento CA area)
Jerry_A_Kreifels@ccm.fm.intel.com
"My opinions, not my employer's."




From 4739631119148869618
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b95130c3a1d2b20e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b95130c3a1d2b20e
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,b95130c3a1d2b20e
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,b95130c3a1d2b20e
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,b95130c3a1d2b20e
X-Google-Attributes: gid1031c8,public
X-Google-Thread: fa656,b95130c3a1d2b20e
X-Google-Attributes: gidfa656,public
From: Steve Sawyers n0yvy <sawyers@inav.net>
Subject: Re: REQUEST INFO - Oklahoma Comm Center
Date: 1995/12/13
Message-ID: <4al934$tjr@composer.inav.net>#1/1
X-Deja-AN: 121793307
references: <gregkopp-1112951537310001@l2-8.en.net>
<ssampson.36.000706A3@icon.net>
content-type: text/plain; charset=us-ascii
organization: Internet Navigator, Inc.
mime-version: 1.0
```

newsgroups:
rec.radio.amateur,rec.radio.amateur.swap,rec.radio.amateur.misc,rec.radio.amateur.
equipment,rec.ham-radio,rec.ham-radio.swap
x-mailer: Mozilla 1.22 (Windows; I; 16bit)

I bought one radio from them over two years ago and had no
problems with them or the radio - Yeasu FT-530 Dual bander.

From -7175134416066636858
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b95130c3a1d2b20e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b95130c3a1d2b20e
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,b95130c3a1d2b20e
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,b95130c3a1d2b20e
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,b95130c3a1d2b20e
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,b95130c3a1d2b20e
X-Google-Attributes: gid1031c8,public
From: Alan Johnson <kninectf>
Subject: Re: REQUEST INFO - Oklahoma Comm Center
Date: 1995/12/13
Message-ID: <4amved$33i@Twain.MO.NET>#1/1
X-Deja-AN: 121793311
references: <gregkopp-1112951537310001@l2-8.en.net>
to: gregkopp@en.com
content-type: text/plain; charset=us-ascii
organization: -=MO.NET=- P-Net, Inc's Missouri Operations
mime-version: 1.0
newsgroups:
rec.radio.amateur,rec.radio.amateur.swap,rec.radio.amateur.misc,rec.radio.amateur.
equipment,rec.ham-radio,rec.ham-radio.swap
x-mailer: Mozilla 1.2N (Windows; I; 16bit)

I have purchased two radios form Oklahoma Comm and have been very happy
with the service, price and the way that I was treated. I don't believe
you can go wrong with them.

Alan
K9CTF
kninectf@mo.net

From 6210022125470887068
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 111239,bb47864fd095d1d1,start
X-Google-Attributes: gid111239,public
X-Google-Thread: fe306,bb47864fd095d1d1,start
X-Google-Attributes: gidfe306,public
X-Google-Thread: 10c9e3,bb47864fd095d1d1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: ff674,bb47864fd095d1d1,start
X-Google-Attributes: gidff674,public
X-Google-Thread: 10589b,bb47864fd095d1d1,start
X-Google-Attributes: gid10589b,public
X-Google-Thread: fddbf,bb47864fd095d1d1,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f9c57,bb47864fd095d1d1,start
X-Google-Attributes: gidf9c57,public
X-Google-Thread: 10a56c,bb47864fd095d1d1,start
X-Google-Attributes: gid10a56c,public
From: oracle1@shell02.ozemail.com.au (Craig Massey)
Subject: Oracle of Man apology
Date: 1995/12/14
Message-ID: <4aovp0$lei@shell02.ozemail.com.au>#1/1
X-Deja-AN: 121882709
distribution: inet
organization: OzEmail Pty Ltd - Australia
newsgroups:
rec.games.misc,rec.games.pbm,rec.games.programmer,rec.games.trivia,rec.games.vectr
ex,rec.gardens,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,
```

I am sending this apology to all News Groups who I inadvertently "SPAMED" last week promoting a book called "Oracle of Man". I had no idea there would be such considerable anger from News Group readers.

I will now try to attract interested users to our Web Page www.oracle_of_man.aust.com by ethical means.

Craig Massey

```
From -3599409327733957400
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b95130c3a1d2b20e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b95130c3a1d2b20e
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,b95130c3a1d2b20e
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,b95130c3a1d2b20e
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,b95130c3a1d2b20e
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,b95130c3a1d2b20e
X-Google-Attributes: gid1031c8,public
```

```
From: n5kxi@ionet.net (Lee Allen)
Subject: Re: REQUEST INFO - Oklahoma Comm Center
Date: 1995/12/14
Message-ID: <4apm7b$cli@ionews.ionet.net>#1/1
X-Deja-AN: 121895456
references: <gregkopp-1112951537310001@l2-8.en.net>
content-type: Text/Plain; charset=ISO-8859-1
organization: IONet
mime-version: 1.0
newsgroups:
rec.radio.amateur,rec.radio.amateur.swap,rec.radio.amateur.misc,rec.radio.amateur.
equipment,rec.ham-radio,rec.ham-radio.swap

In article <gregkopp-1112951537310001@l2-8.en.net>, gregkopp@en.com
says...
>
>Have you ever bought anything from Oklahoma Comm Center
(1-800-765-HAMS)??
>
>I'm looking at buying a radio mail order from them. They are $30
cheaper
>than most other stores with free shipping and I'm not sure of thier
>reliability.
>
>e-mail to gregkopp@en.com or n8jms@cars.org


I buy ALL my equipment there. I have shoped around, but with their
prices and they pay shipping, they are my ONLY store now....73

Lee N5KXI




From -3370553995393897390
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b95130c3a1d2b20e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b95130c3a1d2b20e
X-Google-Attributes: gid108122,public
X-Google-Thread: fa656,b95130c3a1d2b20e
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,b95130c3a1d2b20e
X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,b95130c3a1d2b20e
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 107ada,b95130c3a1d2b20e
X-Google-Attributes: gid107ada,public
From: ken.thompson@KS.Symbios.COM (Ken Thompson)
Subject: Re: REQUEST INFO - Oklahoma Comm Center
Date: 1995/12/14
Message-ID: <ken.thompson.1025.000F516D@KS.Symbios.COM>#1/1
```

```
X-Deja-AN: 121895480
references: <gregkopp-1112951537310001@l2-8.en.net> <4apm7b$cli@ionews.ionet.net>
organization: Symbios Logic
newsgroups:
rec.radio.amateur,rec.radio.amateur.swap,rec.radio.amateur.misc,rec.radio.amateur.
equipment,rec.ham-radio,rec.ham-radio.swap

In article <4apm7b$cli@ionews.ionet.net> n5kxi@ionet.net (Lee Allen) writes:
>From: n5kxi@ionet.net (Lee Allen)
>I buy ALL my equipment there.
>Lee N5KXI

ionet is an Internet provider IN Okla.  You don't have ties to OCC do you?  :-)





From 7887453390608527599
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b95130c3a1d2b20e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b95130c3a1d2b20e
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,b95130c3a1d2b20e
X-Google-Attributes: gid1031c8,public
X-Google-Thread: 107ada,b95130c3a1d2b20e
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,b95130c3a1d2b20e
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,b95130c3a1d2b20e
X-Google-Attributes: gidfa656,public
From: jboyd@icon.net (John Boyd)
Subject: Re: REQUEST INFO - Oklahoma Comm Center
Date: 1995/12/16
Message-ID: <4atbek$2oj@news.icon.net>#1/1
X-Deja-AN: 121991605
references: <gregkopp-1112951537310001@l2-8.en.net>
organization: (ICON) InterConnect Online, Inc.
newsgroups:
rec.radio.amateur,rec.radio.amateur.swap,rec.radio.amateur.misc,rec.radio.amateur.
equipment,rec.ham-radio,rec.ham-radio.swap

gregkopp@en.com (Greg Kopp) wrote:

>Have you ever bought anything from Oklahoma Comm Center (1-800-765-HAMS)??

>I'm looking at buying a radio mail order from them. They are $30 cheaper
>than most other stores with free shipping and I'm not sure of thier
>reliability.

>e-mail to gregkopp@en.com or n8jms@cars.org
```

I LIVE in OKC, and I buy from them regularly. For the most part
they're nice guys, and they seem to work hard to take care of their
customers. I've made the same discovery, i.e., they're cheaper than
most of the other mail order places. Give them a try, I don't think
you'll be disappointed. Tell them KC5KBC/John gave them a thumb's up!

73!

From 4506831226669476259
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b95130c3a1d2b20e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b95130c3a1d2b20e
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,b95130c3a1d2b20e
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,b95130c3a1d2b20e
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,b95130c3a1d2b20e
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,b95130c3a1d2b20e
X-Google-Attributes: gid1031c8,public
From: Harold Alexander <alex@rmii.com>
Subject: Re: REQUEST INFO - Oklahoma Comm Center
Date: 1995/12/16
Message-ID: <4at42n$2sj@natasha.rmii.com>#1/1
X-Deja-AN: 121991607
references: <gregkopp-1112951537310001@l2-8.en.net> <4apm7b$cli@ionews.ionet.net>
<ken.thompson.1025.000F516D@KS.Symbios.COM>
content-type: text/plain; charset=us-ascii
organization: Rocky Mountain Internet Inc.
mime-version: 1.0
newsgroups:
rec.radio.amateur,rec.radio.amateur.swap,rec.radio.amateur.misc,rec.radio.amateur.
equipment,rec.ham-radio,rec.ham-radio.swap
x-mailer: Mozilla 1.22 (Windows; I; 16bit)

I purchased a Yeasu FT-840 from them and have been very pleased with the
radio and their response to my needs.

From 2927126426995901219
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b95130c3a1d2b20e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b95130c3a1d2b20e
X-Google-Attributes: gid108122,public
X-Google-Thread: 1031c8,b95130c3a1d2b20e

X-Google-Attributes: gid1031c8,public
X-Google-Thread: f76e2,b95130c3a1d2b20e
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,b95130c3a1d2b20e
X-Google-Attributes: gidfa656,public
X-Google-Thread: 107ada,b95130c3a1d2b20e
X-Google-Attributes: gid107ada,public
From: dgf@netcom.com (David Feldman)
Subject: Re: REQUEST INFO - Oklahoma Comm Center
Date: 1995/12/16
Message-ID: <dgfDJou04.4II@netcom.com>#1/1
X-Deja-AN: 122078453
sender: dgf@netcom23.netcom.com
references: <gregkopp-1112951537310001@l2-8.en.net> <4atbek$2oj@news.icon.net>
organization: Organization? Me?
newsgroups:
rec.radio.amateur,rec.radio.amateur.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.ham-radio,rec.ham-radio.swap

In article <4atbek$2oj@news.icon.net> jboyd@icon.net (John Boyd) writes:
>gregkopp@en.com (Greg Kopp) wrote:
>
>>Have you ever bought anything from Oklahoma Comm Center (1-800-765-HAMS)??
>
>>I'm looking at buying a radio mail order from them. They are $30 cheaper
>>than most other stores with free shipping and I'm not sure of thier
>>reliability.
>

Add me to the list of satisfied customers - I called to order a used radio last tuesday, and it was in my hands on Friday (in Denver). The shipment included MORE accessories than they originally claimed, they didn't charge for shipment, everything was in excellent shape and well packaged. Definately pleased at this end.

73 Dave WB0GAZ dgf@netcom.com

From 7631165648914697787
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b95130c3a1d2b20e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b95130c3a1d2b20e
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,b95130c3a1d2b20e
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,b95130c3a1d2b20e
X-Google-Attributes: gidfa656,public
X-Google-Thread: f76e2,b95130c3a1d2b20e
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1031c8,b95130c3a1d2b20e
X-Google-Attributes: gid1031c8,public

From: g_reed@icon.net
Subject: Re: REQUEST INFO - Oklahoma Comm Center
Date: 1995/12/16
Message-ID: <N.121695.124112.74@icon.net>#1/1
X-Deja-AN: 122165829
references: <gregkopp-1112951537310001@l2-8.en.net>
organization: (ICON) InterConnect Online, Inc.
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap

> Have you ever bought anything from Oklahoma Comm Center (1-800-765-HAMS)??
>
> I'm looking at buying a radio mail order from them. They are $30 cheaper
> than most other stores with free shipping and I'm not sure of thier
> reliability.
>
> e-mail to gregkopp@en.com or n8jms@cars.org

Hi Greg,

I live a few miles from Oklahoma Comm Center and drop by often for a chat with Mike and Tony. They are the two guys you will most often deal with when calling on the phone. They are both knowledgeable active hams and are glad to share their experiences to help you pick out the rig that is right for you. I have never seen a better price on equipment or support for the buyer. I will admit that they are more geared for mail order than counter sales and if you walk into the showroom, you might wait awhile before they get around to helping you. If you are looking for reassurance, you have it. They are on the up and up and serious about selling you ham gear now and in the future.

P.S. - If you talk to Mike, tell him Glenn said he is a bottomfeeder. If you talk to Tony, have him pass the message to mike. o<:-)%

```
<><><><><><><><><><><><><><><><><><><><><><><>
<>              Glenn Reed                 <>
<>    OK Wing Communications - C.A.P.      <>
<>              Sooner  44                 <>
<>                 KF5XB                   <>
<><><><><><><><><><><><><><><><><><><><><><><>
 Note: The above remarks do not necessarily
       represent those of anything sentient.
```

From -3227677256265651066
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b95130c3a1d2b20e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,b95130c3a1d2b20e
X-Google-Attributes: gid108122,public

```
X-Google-Thread: 107ada,b95130c3a1d2b20e
X-Google-Attributes: gid107ada,public
X-Google-Thread: f76e2,b95130c3a1d2b20e
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fa656,b95130c3a1d2b20e
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1031c8,b95130c3a1d2b20e
X-Google-Attributes: gid1031c8,public
From: cjs9@cornell.edu (Carl Steckler)
Subject: Re: REQUEST INFO - Oklahoma Comm Center
Date: 1995/12/18
Message-ID: <4b4fjm$qep@newsstand.cit.cornell.edu>#1/1
X-Deja-AN: 122257723
sender: cjs9@cornell.edu (Verified)
references: <gregkopp-1112951537310001@l2-8.en.net> <4apm7b$cli@ionews.ionet.net>
organization: Cornell University
mime-version: 1.0
newsgroups:
rec.radio.amateur,rec.radio.amateur.swap,rec.radio.amateur.misc,rec.radio.amateur.
equipment,rec.ham-radio,rec.ham-radio.swap


>>Have you ever bought anything from Oklahoma Comm Center
>(1-800-765-HAMS)??
>>
>
>
>I buy ALL my equipment there. I have shoped around, but with their
>prices and they pay shipping, they are my ONLY store now....73
>
>Lee N5KXI
>

Add my satisfied voice to the list. Nothing but good service from these
people.
--
Carl (ex-jarhead) Semper Fi
KB2SGX
"For those who fought for it, freedom has a flavor the
protected will never know"
Unknown Marine, Khe Sahn, Viet Nam




From -7908731292890915176
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1fe29fa665fa21fd,start
X-Google-Attributes: gid10c9e3,public
From: bassman@crl.com (David A Prior)
Subject: WORK IN RADIO-SOUND RECORDING - GUARANTEED
Date: 1995/12/24
Message-ID: <4bj9pg$34g@crl.crl.com>#1/1
```

X-Deja-AN: 122745500
organization: CRL Dialup Internet Access
newsgroups: control,rec.ham-radio

Ever dreamed of having a career in Radio or Sound Recording?

Career Connections provides on the job training in Major Radio Stations and Recording Studios located right in your city or town worldwide.

ONLY CAREER CONNECTIONS MAKES THIS POSSIBLE

This IS NOT a school or a study course. It is REAL hands on training, by a working Professional in the field, at a real Radio Station or Recording Studio. And the training takes place in the Radio Station or Recording Studio of your choice.

Career Connections' unique mentor taught alternative to conventional education has placed thousands of people into their dream jobs all across the United States and Overseas. AND WE CAN DO IT FOR YOU TOO.

Special Internet Offer Gives You A 40% Tuition Discount.

Call 1-310-535-6805 For a 5 minute tutorial that explains the entire program, and leave a message to receive our FREE package including over a hundred testimonials from People who are now working in their dream jobs. DON'T FORGET to mention the Internet to qualify for your 40% discount

If You Can Dream It - You Can Do It

From 7989470642483967400
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,870ceff40d715eb7,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,870ceff40d715eb7,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,870ceff40d715eb7,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,870ceff40d715eb7,start
X-Google-Attributes: gidf76e2,public
From: ve7zvz@dowco.com (Scott Leaf)
Subject: Wanted Yaesu FT-690R II
Date: 1995/12/30
Message-ID: <ve7zvz-3012951335080001@ppp48.dowco.com>#1/1
X-Deja-AN: 123269551
sender: news@dowco.com
organization: Mountain DX Club VA7SM
keywords: radio, swap, trade, vhf, 6M, amateur, ham
reply-to: ve7zvz@dowco.com
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.swap

Wanted to Buy Yaesu FT-690R II 6M all mode.

Willing to Trade Yaesu FT-790R II 70cm all mode portable or sell this rig for $750 CDN or equivalent in US$

You may repsond via E-mail allthough I am not the seller.
Buyer/Seller is Don VE7MDX phone (604)942-3278

--
Scott Leaf VE7ZVZ CN89os
ve7zvz@dowco.com
Port Coquitlam, British Columbia, Canada
Mountain DX Club VA7SM - "To boldy VHF where no ham has VHFed before"

From 1108330161164685062
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d9a48232abaa9053,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,d9a48232abaa9053,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,d9a48232abaa9053,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,d9a48232abaa9053,start
X-Google-Attributes: gidf76e2,public
From: ve7zvz@dowco.com (Scott Leaf)
Subject: Yasesu FT-790R II For Sale
Date: 1995/12/30
Message-ID: <ve7zvz-3012951340400001@ppp48.dowco.com>#1/1
X-Deja-AN: 123269562
sender: news@dowco.com
organization: Mountain DX Club VA7SM
keywords: radio, UHF, 70cm, allmode, amateur
reply-to: ve7zvz@dowco.com
newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.swap

For sale Yasesu FT-790R II 70cm all mode portable
$750 CDN or equivalent in US$
Also willing to trade this for Yaesu FT-690R II 6M all mode portable.

You may respond via e-mail but I am not the seller.
Seller is Don (VE7MDX) phone (604) 942-3278

--
Scott Leaf VE7ZVZ CN89os
ve7zvz@dowco.com
Port Coquitlam, British Columbia, Canada
Mountain DX Club VA7SM - "To boldy VHF where no ham has VHFed before"

From -5644976925704758009
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f504b,1075c580dd134b63,start
X-Google-Attributes: gidf504b,public
X-Google-Thread: 10c9e3,1075c580dd134b63,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1083bf,1075c580dd134b63,start
X-Google-Attributes: gid1083bf,public
X-Google-Thread: fddbf,1075c580dd134b63,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 106cdd,1075c580dd134b63,start
X-Google-Attributes: gid106cdd,public
From: sage@vanbc.wimsey.com (Stephen Kawamoto)
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/08
Message-ID: <4cs58a$kqa@wolfe.wimsey.com>#1/1
X-Deja-AN: 134423195
references: <4crvif$cbm@grid.direct.ca>
followup-to: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general
organization: Wimsey Information Services
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general

This all the more reason, if the VPD are listening, to get a voice-encryption system with error correction installed. it's harder to jam police computers and going digital for voice communications can punch through interference. unfortunately the bead counters think that it's cheaper to catch the nuisance.

tedlee@direct.ca wrote:
: From: The Province Newspaper, page A21
: Dated: Sunday, January 7, 1996.

: Reprinted without permission.
: Non-copyrighted story.

: By-line: AURAL SEX TUNED IN

: By: Roberta Staley, Staff Reporter

:   A ham radio operator is endangering lives by jamming police
: radio channels with recordings of a couple having sex.

:   "It's extremely dangerous," Vancouver police Insp. Al Forbes
: said last night.

:   "It not only puts the people we're trying to protect in jeopardy
: by jamming the channel, it also puts our own members at risk," Forbes said.

:   The pornographic sounds and two blasts of country music were
: first heard Thursday night about midnight. The second incident happened
: several times last night starting about 7 p.m., said Forbes.

```
:    "I think it's a video and they're playing the sound-track over
: the channel."

:    Police switch the channel off and begin communicating on another
: one. The cheeky radio operator also switches over, jamming the new channel.

:    "They obviously know all the frequencies," Forbes said.

:    In emergencies, police can be heard over the interference,
: although it remains distracting, he added.

:    The inspector said it's unlikely the radio pervert will be
: caught.

: End of story.

: ==================================================================

: To reach the Province newspaper to comment on this story:

: Fax:  732-2720   or  732-2099

: Telephone: (604) 732-2063

: Email:

: tabtips@ppress.wimsey.com
: page2@ppress.wimsey.com
: provsports@wimey.com
: provmoney@ppress.com
: provshow@ppress.wimsey.com
: provedpg@ppress.wimsey.com
: promo@ppress.wimsey.com

: end of message.




From 4097249854792503944
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
From: tedlee@direct.ca
```

Subject: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/08
Message-ID: <4crvif$cbm@grid.direct.ca>#1/1
X-Deja-AN: 134423204
organization: Internet Direct
reply-to: tedlee@direct.ca
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general

From: The Province Newspaper, page A21
Dated: Sunday, January 7, 1996.

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"I think it's a video and they're playing the sound-track over the channel."

Police switch the channel off and begin communicating on another one. The cheeky radio operator also switches over, jamming the new channel.

"They obviously know all the frequencies," Forbes said.

In emergencies, police can be heard over the interference, although it remains distracting, he added.

The inspector said it's unlikely the radio pervert will be caught.

End of story.

===

To reach the Province newspaper to comment on this story:

Fax: 732-2720 or 732-2099

Telephone: (604) 732-2063

Email:

tabtips@ppress.wimsey.com
page2@ppress.wimsey.com
provsports@wimey.com
provmoney@ppress.com
provshow@ppress.wimsey.com
provedpg@ppress.wimsey.com
promo@ppress.wimsey.com

end of message.

From -1979640884751833554
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
From: lowell@express.ca (Lowell)
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/08
Message-ID: <187cc$f30d.66@news.express.ca>#1/1
X-Deja-AN: 134540500
references: <4crvif$cbm@grid.direct.ca>
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general

tedlee@direct.ca wrote:

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>Dated: Sunday, January 7, 1996.

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>Non-copyrighted story.

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>By: Roberta Staley, Staff Reporter

>   A ham radio operator is endangering lives by jamming police
>radio channels with recordings of a couple having sex.

I would think the person doing this is NOT a licensed ham radio
operator. Either way, they don't know, so calling them a ham operator
is really poor reporting and probably hurts the publics perception of
amateur radio. The VPD should go to the same system that CLEU is
using.

From -8819508753771322994
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 121642,fccf5ce86adbf455,start
X-Google-Attributes: gid121642,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
From: tremonti@axionet.com (R.A. (Bob) Tremonti)
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/08
Message-ID: <4csunu$5ct@blues.axionet.com>#1/1
X-Deja-AN: 134540502
references: <4crvif$cbm@grid.direct.ca> <4cs58a$kqa@wolfe.wimsey.com>
<4cs8ub$8jg@primus.ac.net>
organization: Axion internet
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.genera

In article <4cs8ub$8jg@primus.ac.net>, randers@mail.gld.com says...
>
>Just how do these people know it is a ham doing these things anyway.
>Are we the only people that have access to radio equipment?
>
>

Any bets it's a CB type? Maybe a class action suit for defaming the good name of
ham operators would get the papers' attention.... ;-)

Given that scanners are dirt cheap -- and that there are several publications
which list
the radio frequencies in use in BC, and who uses them -- it is simple to locate
the police
channels. Didn't the VPD learn anything after that unfortunate raid several years
ago?

Has anyone there thought to contact the Department of Communications and do a
little

triangulation work? The transmissions, from the sounds of it (sorry about the
pun....),
are long enough to get some rough data....

>sage@vanbc.wimsey.com (Stephen Kawamoto) wrote:
>
>>This all the more reason, if the VPD are listening, to get a
>>voice-encryption system with error correction installed. it's harder to jam
>>police computers and going digital for voice communications can punch
>>through interference. unfortunately the bead counters think that it's
>>cheaper to catch the nuisance.
>
>
>>tedlee@direct.ca wrote:
>>: From: The Province Newspaper, page A21
>>: Dated: Sunday, January 7, 1996.
>
>>: Reprinted without permission.
>>: Non-copyrighted story.
>
>>: By-line: AURAL SEX TUNED IN
>
>>: By: Roberta Staley, Staff Reporter
>
>
>>:   A ham radio operator is endangering lives by jamming police
>>: radio channels with recordings of a couple having sex.
>
>>:   "It's extremely dangerous," Vancouver police Insp. Al Forbes
>>: said last night.
>
>>:   "It not only puts the people we're trying to protect in jeopardy
>>: by jamming the channel, it also puts our own members at risk," Forbes said.
>
>>:   The pornographic sounds and two blasts of country music were
>>: first heard Thursday night about midnight. The second incident happened
>>: several times last night starting about 7 p.m., said Forbes.
>
>>:   "I think it's a video and they're playing the sound-track over
>>: the channel."
>
>>:   Police switch the channel off and begin communicating on another
>>: one. The cheeky radio operator also switches over, jamming the new channel.
>
>>:   "They obviously know all the frequencies," Forbes said.
>
>>:   In emergencies, police can be heard over the interference,
>>: although it remains distracting, he added.
>
>>:   The inspector said it's unlikely the radio pervert will be
>>: caught.
>
>>: End of story.

```
>
>>:
=================================================================
>
>>: To reach the Province newspaper to comment on this story:
>
>>: Fax:  732-2720   or  732-2099
>
>>: Telephone: (604) 732-2063
>
>>: Email:
>
>>: tabtips@ppress.wimsey.com
>>: page2@ppress.wimsey.com
>>: provsports@wimey.com
>>: provmoney@ppress.com
>>: provshow@ppress.wimsey.com
>>: provedpg@ppress.wimsey.com
>>: promo@ppress.wimsey.com
>
>>: end of message.
>
>
>
```

```
From 2985716089439249549
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
From: randers@mail.gld.com (Glenn)
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/08
Message-ID: <4cs8ub$8jg@primus.ac.net>#1/1
X-Deja-AN: 134540521
references: <4crvif$cbm@grid.direct.ca> <4cs58a$kqa@wolfe.wimsey.com>
organization: Alphanet South Corp (NC, US)
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general
```

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>: By: Roberta Staley, Staff Reporter

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>: radio channels with recordings of a couple having sex.

>:   "It's extremely dangerous," Vancouver police Insp. Al Forbes
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>:   The inspector said it's unlikely the radio pervert will be
>: caught.

>: End of story.

>: ===

>: To reach the Province newspaper to comment on this story:

>: Fax: 732-2720   or 732-2099

>: Telephone: (604) 732-2063

>: Email:

>: tabtips@ppress.wimsey.com
>: page2@ppress.wimsey.com
>: provsports@wimey.com
>: provmoney@ppress.com
>: provshow@ppress.wimsey.com
>: provedpg@ppress.wimsey.com
>: promo@ppress.wimsey.com

>: end of message.

From 1655072930903875909
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
From: jjgoode@cts.com (Jack Goode)
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/08
Message-ID: <jjgoode-0801962209500001@jjgoode.cts.com>#1/1
X-Deja-AN: 134668623
references: <4crvif$cbm@grid.direct.ca> <4cs58a$kqa@wolfe.wimsey.com>
<4cs8ub$8jg@primus.ac.net>
organization: CTS Network Services
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general

In article <4cs8ub$8jg@primus.ac.net>, randers@mail.gld.com (Glenn) wrote:

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>
>
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>
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>
>
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>
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>
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>
>
>>:      A ham radio operator is endangering lives by jamming police
>>: radio channels with recordings of a couple having sex.
>

(much clipped here)

>>: end of message.

and why would it be so difficult to hunt down such a persistent little
pest?  I would bet a modest amount that the local area hams would love the
opportunity to restore their good name in the media, by nabbing the
son-of-a-gun themselves!

Jack J Goode     KE6YQQ
jjgoode@cts.com
JJGoode@aol.com




From 3272026765213808829
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
From: suture@portal.ca (Mark Mushet)
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/08
Message-ID: <4cs4bi$p39@wolfe.wimsey.com>#1/1
```

X-Deja-AN: 134750304
references: <4crvif$cbm@grid.direct.ca>
organization: Suture Productions
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general

tedlee@direct.ca wrote:

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>Dated: Sunday, January 7, 1996.

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I would say that reproducing the story in its entirety, without being in the context of what is legally defined as "fair use", is a violation of copyright law. I doubt the Province publishes its "journalistic" slop free of copyright. What would prevent anyone from reproducing the entire contents of the paper for profit (besides an unexpected upward shift in the IQ level of its readership)?

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>   The pornographic sounds and two blasts of country music were
>first heard Thursday night about midnight. The second incident happened
>several times last night starting about 7 p.m., said Forbes.

So couples having sex are "pornographers"? Only the Province would let that one go. Either it's the sounds of a couple having sex (not pornographic) or it's a porn film soundtrack. As for the country music, now THAT'S disgusting!

MRM

From -5665987914812257116
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: 10c9e3,1075c580dd134b63

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
From: James Garland <garland@ohstpy.mps.ohio-state.edu>
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/09
Message-ID: <4cuii1$c30@pacific.mps.ohio-state.edu>#1/1
X-Deja-AN: 134540533
references: <4crvif$cbm@grid.direct.ca> <187cc$f30d.66@news.express.ca>
<fmdavis-0901961104140001@47.69.129.247>
content-type: text/plain; charset=us-ascii
organization: The Ohio State University
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general
x-mailer: Mozilla 1.2N (Windows; I; 16bit)

```
Msg Posted on behalf of Edward C. Soniat  Internet:ed@pobox.com
_| -|_  Mass transfer:  317 Barrington Oaks Circle
 |  |   Roswell GA 30075 770 992 1647 770 740 6697
```

Assuming that the article is quoted correctly, the first conclusion should be that a police/government person is responsible for the broadcast since it is on police/government bands not ham bands. After that it would be any ones guess. A person who has participated in ham or CB operation would be a good guess but only a guess. If ham is defined as an "amateur radio operator" then technically the perpetrator can't really be a ham so much as a "pirate" station since a ham by definition doesn't broadcast any thing but distress signals outside of ham bands.

Unfortunately hams are not the only groups that suffers from this form of slander. Any group which participates in activities of which the editors do not approve or understand is subject to association with the nefarious activities of individuals. If any thing good can come from this, the next time you read an article associating evil doing with some group see if you can find the "other viewpoint" that you are now experiencing before you let the media lead you to a false conclusions.

Of course it would be great to get the paper to explain it's position or requesting a retraction would be good. Assisting in the apprehension would be even better since that would get good coverage.

I'll be glad to contribute to a fund if any body in the area needs help getting equipment to do so.

Ed

```
From -3925832458160854460
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
From: James Garland <garland@ohstpy.mps.ohio-state.edu>
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/09
Message-ID: <4cu46j$2p9@pacific.mps.ohio-state.edu>#1/1
X-Deja-AN: 134540539
references: <4crvif$cbm@grid.direct.ca> <4ctm48$bj6@horus.infinet.com>
content-type: text/plain; charset=us-ascii
organization: The Ohio State University
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general
x-mailer: Mozilla 1.2N (Windows; I; 16bit)
```

I think this situation warrants serious attention by the ham community. The newspaper has made a claim in print that a ham radio operator was responsible for the illegal activity, and apparently has done so without a shred of evidence supporting the claim. The amateur radio community is very sensitive about its public image, given the predisposition of the public to blame us for tvi/rfi problems, and for "unsightly" antennas. This type of news story, which suggests that hams are sabotaging essential government services, can do untold harm to our reputation. (I just hope the guilty culprit doesn't turn out to be one of the dingbats that appear nightly on 75m -- but that's another thread....)
Jim W8ZR

```
From 2960851772604518702
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: fddbf,1075c580dd134b63
```

```
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
From: fmdavis@bnr.ca (Fred Davis VA3FD)
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/09
Message-ID: <fmdavis-0901961104140001@47.69.129.247>#1/1
X-Deja-AN: 134540560
references: <4crvif$cbm@grid.direct.ca> <187cc$f30d.66@news.express.ca>
organization: Brand New Rifle
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general

In article <187cc$f30d.66@news.express.ca>, lowell@express.ca (Lowell) wrote:

> tedlee@direct.ca wrote:
>
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> >Dated: Sunday, January 7, 1996.
>
> >Reprinted without permission.
> >Non-copyrighted story.
>
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>
> >By:  Roberta Staley, Staff Reporter
>
>
> >       A ham radio operator is endangering lives by jamming police
> >radio channels with recordings of a couple having sex.
>
> I would think the person doing this is NOT a licensed ham radio
> operator.

It's another prime example of media bullshit.  Take note folks, this is NOT
the only story the media 'reports' and distorts, full of half-truths and
lies.  This same kind of twisted 'reasoning' is the reason the media equates
hunters with poachers, gun owners with crime, etc.

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Fred M. Davis   VA3FD           | These opinions mine
Nepean, ON.                     | fmdavis@bnr.ca / fred.davis@nt.com
(Ottawa suburb)                 | fmdavis@eworld.com
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~



From 6565210050431291060
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f504b,1075c580dd134b63
```

X-Google-Attributes: gidf504b,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
From: gareth@infinet.com ()
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/09
Message-ID: <4ctm48$bj6@horus.infinet.com>#1/1
X-Deja-AN: 135012736
references: <4crvif$cbm@grid.direct.ca>
followup-to: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general
organization: InfiNet
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general

I would like to know on what authority the journalist draws the conclusion that the offender is a ham. Did he broadcast his call sign? I doubt it, otherwise he would be easy to catch. The hams I know have spent a lot of time and money getting their licenses and equipment. Far too much to waste it on malicious interference. To try and pin the blame on the ham community without sufficient proof verges on slander. I should hope the The Province Newspaper's editorial department will receive rebuttals from their local ham community. If my local paper published such baseless acusations I would certainly not let it go unchallenged.

N8YKN

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:    In emergencies, police can be heard over the interference,
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:    The inspector said it's unlikely the radio pervert will be
: caught.

: End of story.

: =================================================================

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: Fax:  732-2720   or  732-2099

: Telephone: (604) 732-2063

: Email:

: tabtips@ppress.wimsey.com
: page2@ppress.wimsey.com
: provsports@wimey.com
: provmoney@ppress.com
: provshow@ppress.wimsey.com
: provedpg@ppress.wimsey.com
: promo@ppress.wimsey.com

: end of message.




From -6681133720079813237
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
```

X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
From: kpollak@portal.ca (Karl Pollak)
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/09
Message-ID: <4cunae$k78@wolfe.wimsey.com>#1/1
X-Deja-AN: 135127430
references: <4crvif$cbm@grid.direct.ca> <4cs58a$kqa@wolfe.wimsey.com>
<4cs8ub$8jg@primus.ac.net> <jjgoode-0801962209500001@jjgoode.cts.com>
organization: Cdn. Infomaticon BBS, Richmond, BC
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general

jjgoode@cts.com (Jack Goode) wrote:

>>>:   A ham radio operator is endangering lives by jamming police
>>>: radio channels with recordings of a couple having sex.

>and why would it be so difficult to hunt down such a persistent little
>pest? I would bet a modest amount that the local area hams would love the
>opportunity to restore their good name in the media, by nabbing the
>son-of-a-gun themselves!

I think the use of the term "ham radio operator" and the statement at the end of the item stating that the police do not expect to catch the culprit are a ruse designed to give the bozo a false sense of security and encourage him to more or longer transmissions. In other words, the story is in my view a police plant to flush out the idiot.

I cannot imagine that the Vancouver Police dept with all the radio techs they have would not know how easy it is to triangulate the source of the transmission. I also can't believe that they would not have contacted DOC yet about it to locate the transmitter. They know the frequencies the guy is blasting, so all they have to do is just sit and wait for him to get on the air.

Actually, I'm quite sure that some of the local radio clubs would have a very good time organizing a fox hunt to locate the guy, just to clear the name of their hobby.

This sounds to me like a prank EE students might want to pull off. I doubt that a ham would be stupid enough to think he would not be caught and want to jeopardize his licence and equipment over something like this.

ex- OK1KYA

Karl Pollak   FidoNet 1:153/965
Richmond, B.C.   Canadian Infomaticon BBS

From 7090327307411588300
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 121642,fccf5ce86adbf455
X-Google-Attributes: gid121642,public
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
From: tweek@netcom.com (R R M Tweek)
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/10
Message-ID: <tweekDKy1K7.C5I@netcom.com>#1/1
X-Deja-AN: 134540580
sender: tweek@netcom21.netcom.com
references: <4crvif$cbm@grid.direct.ca> <4cs8ub$8jg@primus.ac.net> <4csunu$5ct@blues.axionet.com> <4cv2je$hm5@grid.direct.ca>
organization: NETCOM On-line Communication Services (408 261-4700 guest)
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.genera

In article <4cv2je$hm5@grid.direct.ca>, Matt Ion <soundy@nextlevel.com> wrote:

>In <4csunu$5ct@blues.axionet.com>, tremonti@axionet.com (R.A. (Bob) Tremonti) writes:
>
>>Any bets it's a CB type? Maybe a class action suit for defaming the good name of
>>ham operators would get the papers' attention.... ;-)
>
>CB units don't broadcast anywhere near police and other emergency bands.
>Besides, they use AM whereas I would imagine the emergency systems would
>use FM (less prone to *natural* interference).

So? I know of no law (in the US) which prevents stores like Radio Shack from selling a ham transciever to a CB'er or even an unlicensed geek. I know of no law, preventing Walnut Creek CDROM from selling the QRZ diskette (which included radio mods) to an unlicensed person.

Also, I know of a lot of Hams, who use commercial equipment to get on the air WITHIN the Ham bands OPERATING WITHIN THE CONFINES of the license. We don't call them "commercial radio operators" though, so why should we call someone using what MIGHT be Amateur Radio Equipment, operating outside of the Amateur bands, and not operating under any known license at all, a ham?

Now you might ask, "But why would someone go out and pay all that money just to buy ham gear to distrupt police communications?"

What money? I bought a 2 meter, 50 watt Motorola trunk unit for

$15. I also bought a UHF trunk unit for $25. Of course, you have to recrystal them... provided you didn't purchase them from the PD scrap pile. Then there is the programable HT's. With a computer, a cable, and some copied software, you could reprogram an existing, found or stolen HT for the police frequencies... provided you didn't steal it from the cops to begin with.

And then, there are all those CB types which I hear jamming on ham repeaters, never giving callsigns, and eventually getting busted for unlicensed operation. Those guys were not Hams, Matt, just like a security guard who carries a cop gun and a cop club, and a cop attitude isn't a cop.

--
tweek@netcom.com   tweek@tweekco.ness.com   tweek@io.com   DoD #MCMLX SP-3
Fodder-Line: Rogue Agent Hubbard Thetan Scientology Clear OT Course Clam
http://www.io.com/~tweek/   tweek@ccnet.com   OT-7 Dr. Doo's little Llama

From -3198410707706593584
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
From: soundy@nextlevel.com (Matt Ion)
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/10
Message-ID: <4cv2u3$hm5@grid.direct.ca>#1/1
X-Deja-AN: 134668620
references: <4crvif$cbm@grid.direct.ca> <4ctm48$bj6@horus.infinet.com>
organization: 1040 MIDI & Music BBS/Next Level Productions (Vancouver, BC)
reply-to: soundy@nextlevel.com (Matt Ion)
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general

In <4ctm48$bj6@horus.infinet.com>, gareth@infinet.com () writes:

>I would like to know on what authority the journalist draws the
>conclusion that the offender is a ham.

Maybe the police told him/her?

>too much to waste it on malicious interference. To try and pin the blame
>on the ham community without sufficient proof verges on slander. I

I don't recall seeing any mention in that article of the entire "ham community" being under suspicion, only one specific ham operator.

>should hope the The Province Newspaper's editorial department will
>receive rebuttals from their local ham community. If my local paper
>published such baseless acusations I would certainly not let it go
>unchallenged.

Oh please. Read the FIRST PARAGRAPH of the article again. *A* ham radio operator.

>:   A ham radio operator is endangering lives by jamming police
>: radio channels with recordings of a couple having sex.

No mention anywhere of more than one person being responsible, let alone an entire "community". If he's using a ham radio (likely, since as I said before, there isn't much else readily available that will broadcast on those frequencies), he's a ham radio operator. Simple logic, no?

Your friend and mine,
Matt

---*** NOTE: Windows 95 Fixpack now available! ***---
See http://www.austin.ibm.com/pspinfo/drk95.html for more info!

Opinions expressed do not necessarily reflect those of Next Level
Productions, or anyone else of sound mind from this planet or dimension!

From 6855067361705358911
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
X-Google-Thread: 121642,fccf5ce86adbf455
X-Google-Attributes: gid121642,public
From: soundy@nextlevel.com (Matt Ion)
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/10
Message-ID: <4cv2je$hm5@grid.direct.ca>#1/1
X-Deja-AN: 134668627
references: <4crvif$cbm@grid.direct.ca> <4cs58a$kqa@wolfe.wimsey.com>
<4cs8ub$8jg@primus.ac.net> <4csunu$5ct@blues.axionet.com>

organization: 1040 MIDI & Music BBS/Next Level Productions (Vancouver, BC)
reply-to: soundy@nextlevel.com (Matt Ion)
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.genera

In <4csunu$5ct@blues.axionet.com>, tremonti@axionet.com (R.A. (Bob) Tremonti)
writes:

>Any bets it's a CB type? Maybe a class action suit for defaming the good name of
>ham operators would get the papers' attention.... ;-)

CB units don't broadcast anywhere near police and other emergency bands.
Besides, they use AM whereas I would imagine the emergency systems would
use FM (less prone to *natural* interference).

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Matt

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Productions, or anyone else of sound mind from this planet or dimension!

From -5481533021475761292
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f504b,1075c580dd134b63
X-Google-Attributes: gidf504b,public
X-Google-Thread: 10c9e3,1075c580dd134b63
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106cdd,1075c580dd134b63
X-Google-Attributes: gid106cdd,public
X-Google-Thread: 1083bf,1075c580dd134b63
X-Google-Attributes: gid1083bf,public
X-Google-Thread: fddbf,1075c580dd134b63
X-Google-Attributes: gidfddbf,public
From: duane <duane@flinet.com>
Subject: Re: Newspaper blames Ham Radio Ops in Vancouver for Jamming!
Date: 1996/01/10
Message-ID: <4cvd35$3ku@news.flinet.com>#1/1
X-Deja-AN: 134668633
references: <4crvif$cbm@grid.direct.ca>
to: page2.ppress@wimsey.com
content-type: text/plain; charset=us-ascii
organization: Florida Internet
mime-version: 1.0
newsgroups: rec.ham-radio,rec.ham-radio.packet,van.general,bc.general,can.general
x-mailer: Mozilla 1.2 (Windows; U; 16bit)

I sorry too hear the story about the police radio jamming.. I am alos a police officer in the U.S. but I did not see where the article cleared showed a amateur radio operatorwas the person doing the jamming. If you think only amateurs have access to the freq. and radio then your not living in the real world. before you pass blame I suggest you do your full investigation first. I hope this was a report by the press assumming amature radio operator was at fault.. just a word of advise...amateurs will not put up with jamming nor unfounded slander.... by the way in case you have not heard ...to spell assume is to make am Ass out of U & ME.
ASS U ME

FOOD FOR THOUGHT !!

From -8181730710137102430
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f13b6c47246f2ab
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,4f13b6c47246f2ab
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,4f13b6c47246f2ab
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc2a5,4f13b6c47246f2ab
X-Google-Attributes: gidfc2a5,public
X-Google-ArrivalTime: 1994-05-27 03:39:59 PST
Newsgroups: rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc
Path: bga.com!news.sprintlink.net!hookup!news.kei.com!eff!news.umbc.edu!europa.eng.gtefsd.com!library.ucla.edu!csulb.edu!nic-nac.CSU.net!charnel.ecst.csuchico.edu!olivea!decwrl!pa.dec.com!crl.dec.com!nntpd.lkg.dec.com!ryn.mro.dec.com!est.enet.dec.com!randolph
From: randolph@est.enet.dec.com (Tom Randolph)
Subject: Re: Converting an old HT-220 to 2M
Message-ID: <CqF8F2.GI3@ryn.mro.dec.com>
Sender: news@ryn.mro.dec.com (USENET News System)
Organization: Digital Equipment Corporation
References: <1994May25.203349.11883@oracle.us.oracle.com>
Date: Thu, 26 May 1994 18:20:17 GMT
Lines: 47
Xref: bga.com rec.radio.amateur.equipment:2385 rec.radio.amateur.homebrew:1586 rec.radio.amateur.misc:8927

In article <1994May25.203349.11883@oracle.us.oracle.com>,
usenet@oracle.us.oracle.com (Oracle News Poster) writes...
> I have a Motorola Ht-220 Type CC3540 Serial # L06K2D Model H33FFN1100E.
>It transmits and Receives on 163.5375 MHz. It has a 15 Volt NiCad. It is
> xmit: 18170.8

The transmitter in these uses freq. triplers to get up from the xtal freq. to TX freq. 18170.8 x 3 x 3 = 163537.2. Mine is a 462 MHz unit that has one more tripler to get up there.

>   rcv: 48912.50

Let's see... receive xtal = (Tx freq - IF freq) / n; where n = 3,9,27 etc. Using n=3 we get an IF of 16.8 MHz, which sounds reasonable. International Crystal Mfg. has crystals for these radios - call them at 405 236 3741 and tell them what you have. You may need model number and "chassis number" which is a number like NUE6001BA that you can find inside the battery compartment. The xtals are a bit pricey - $15 to $25 each, but what the heck, I only paid $10 for the radio at a flea. You will need to re-tune the tuned circuits in the radio, and for this you will need the Motorola manual... try Motorola or a local service shop for that. I copied the 450-488 MHz radio manual that another ham here had around. Make sure whoever knows you are re-tuning to a ham band, or else they'll want to know your commercial license #!

By the way, I have a line on cheaper crystals from a different source, still waiting for someone to get back to me on that.

>There is also a "PL Reed" that I will probably need.

This is pre-microprocessor coded squelch technology. A tiny mechanical reed functions similar to a quartz crystal, except at audio freqs. If you're going to use the HT to get into a repeater with PL tone access you need it, otherwise you don't, like for simplex. Mine came with one, but you could always add one of those tiny PL decode/encode boards from the back of QST.

>   Last (and least?) I need a charger for the Ni-CAD.

Yah, these radios typically are placed in a "drop-in charger" which does the job. I'm not sure how I'm going to handle this myself... The battery that came in mine was good, though, and charged up to 15V no problem. Pick up a spare at a flea, as Moto wants something like $75 for them.

>   Doug N8TUT

Good luck with the mods! I'll be doing mine as soon as I find out about those cheap xtals! Makes an interesting project...
-Tom R.   N1OOQ   randolph@est.enet.dec.com

```
From 8066259192053042005
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c348bebb49e0efe5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,c348bebb49e0efe5,start
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,c348bebb49e0efe5,start
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1994-06-02 04:19:44 PST
Path: bga.com!news.sprintlink.net!news.onramp.net!convex!cs.utexas.edu!uwm.edu!
```

daffy!uwvax!yar.cs.wisc.edu!jhanson
From: jhanson@yar.cs.wisc.edu (Jason Hanson)
Newsgroups: rec.radio.amateur.policy,rec.radio.amateur.misc,rec.ham-radio
Subject: Legal Protections for Hams
Date: 1 Jun 1994 03:37:55 GMT
Organization: University of Wisconsin
Lines: 17
Message-ID: <2sgvqj$4pr@spool.cs.wisc.edu>
NNTP-Posting-Host: yar.cs.wisc.edu
Xref: bga.com rec.radio.amateur.policy:2889 rec.radio.amateur.misc:9274

I am a candidate for the Wisconsin legislature this fall and (as an Extra who cares about ham radio concerns) would like to prepare a sheet for my district's ham population. What I am interested in is ideas for state laws that hams would appreciate...

Ideas I have so far include:

1) Opposition to scanner/radio bans, etc.
2) Adoption of PRB-1 (with possible revisions) into statutory form (I know about federal preemption, but this would make cases easier for hams...)
3) Developing stronger partnerships between state and ARES/RACES, etc.

Any input (or money <grin>) you could provide would be appreciated!

```
--
Jason J. Hanson        |    22 Langdon Street #220    |  (608) 256-1004
Univ. of Wisconsin     |    Madison, WI 53703-1344    |  Ham: N9LEA (Extra)
--  jhanson@yar.cs.wisc.edu      =*++*=      n9lea@wd9esu.#scwi.wi.usa.noam  --
```

From -3224039165057728828
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c348bebb49e0efe5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,c348bebb49e0efe5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,c348bebb49e0efe5
X-Google-Attributes: gid10bf43,public
X-Google-ArrivalTime: 1994-06-03 08:27:41 PST
Newsgroups: rec.radio.amateur.policy,rec.radio.amateur.misc,rec.ham-radio
Path: bga.com!news.sprintlink.net!hookup!news.kei.com!yeshua.marcam.com!zip.eecs.umich.edu!newsxfer.itd.umich.edu!europa.eng.gtefsd.com!howland.reston.ans.net!pipex!uknet!EU.net!uunet!netwrk!ss3!pegood
From: pegood@ss3.magec.com (Peter E. Goodmann)
Subject: Re: Legal Protections for Hams
Message-ID: <Cqtq3s.Fu1@ss3.magec.com>
Followup-To: rec.radio.amateur.policy,rec.radio.amateur.misc,rec.ham-radio
Organization: Magnavox Electronics Systems Company
X-Newsreader: TIN [version 1.2 PL2]
References: <2sgvqj$4pr@spool.cs.wisc.edu>
Date: Fri, 3 Jun 1994 13:43:04 GMT
Lines: 39
Xref: bga.com rec.radio.amateur.policy:2910 rec.radio.amateur.misc:9378

Jason Hanson (jhanson@yar.cs.wisc.edu) wrote:
: I am a candidate for the Wisconsin legislature this fall and (as an Extra who
: cares about ham radio concerns) would like to prepare a sheet for my district's
: ham population.   What I am interested in is ideas for state laws that hams
: would appreciate...

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: 3) Developing stronger partnerships between state and ARES/RACES, etc.

: Any input (or money <grin>) you could provide would be appreciated!

```
: --
: Jason J. Hanson        |    22 Langdon Street #220    |  (608) 256-1004
: Univ. of Wisconsin     |    Madison, WI 53703-1344    |  Ham: N9LEA (Extra)
: --  jhanson@yar.cs.wisc.edu      =*++*=      n9lea@wd9esu.#scwi.wi.usa.noam  -
```

-How about protection from lawsuits related to TVI, telephone interference,
and other forms of RFI caused by poorly designed consumer products and/or
Part 15 devices operating on frequencies assigned to the Amateur service?

On a VERRRRRY loosly related subject, how about eliminating the
"industrial exemption" clause in your state's engineering registration law?
These exemptions, which most if not all states have, allow unlicensed
"engineers (who may not even have any engineering education or experience)
to practice as engineers as long as they only design manufactured goods. Would
you allow an unlicensed physician, who can only kill one person at a time to
practice medicine? How abount an unlicensed automtive "engineer" who could
kill many people with a single mistake?

Thanks, and good luck!!

73,
Pete Goodmann, P.E., NI9N

```
From -27073905607406306
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c348bebb49e0efe5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,c348bebb49e0efe5
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,c348bebb49e0efe5
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1994-06-03 15:12:19 PST
Newsgroups: rec.radio.amateur.policy,rec.radio.amateur.misc,rec.ham-radio
Path: bga.com!news.sprintlink.net!hookup!news.kei.com!eff!news.umbc.edu!
```

europa.eng.gtefsd.com!howland.reston.ans.net!math.ohio-state.edu!jussieu.fr!univ-lyon1.fr!swidir.switch.ch!newsfeed.ACO.net!Austria.EU.net!EU.net!uunet!newsgate.melpar.esys.com!melpar!phb
From: phb@syseng1.melpar.esys.com (Paul H. Bock)
Subject: Re: Legal Protections for Hams
References: <2sgvqj$4pr@spool.cs.wisc.edu> <Cqtq3s.Fu1@ss3.magec.com>
Sender: news@melpar.esys.com (Dave Hickey)
Organization: E-Systems, Melpar Division
Date: Fri, 3 Jun 1994 20:49:04 GMT
Message-ID: <phb.770676544@melpar>
Lines: 56
Xref: bga.com rec.radio.amateur.policy:2914 rec.radio.amateur.misc:9410

pegood@ss3.magec.com (Peter E. Goodmann) writes:

>On a VERRRRRY loosly related subject, how about eliminating the
>"industrial exemption" clause in your state's engineering registration law?
>These exemptions, which most if not all states have, allow unlicensed
>"engineers (who may not even have any engineering education or experience)
>to practice as engineers as long as they only design manufactured goods. Would
>you allow an unlicensed physician, who can only kill one person at a time to
>practice medicine? How abount an unlicensed automtive "engineer" who could
>kill many people with a single mistake?

One of the arguments against this suggestion is that a PE license is no guarantee that an engineer will do safe, quality engineering work and never make a mistake. All the industrial exemption does is allow a company to accept responsibility for its products in lieu of an individual employee (i.e., engineer). Therefore, the employee does not require a license and the company assumes all responsibility for ensuring that he/she is properly trained and all liability if he/she designs a poor or unsafe product which is a danger to the public welfare.

On the other hand, the private engineering practitioner must have a license because he/she is directly responsible when something goes awry. But regarding physicians, even licensed physicians sometimes make mistakes, so what does the license prove? It doesn't prove competence, it merely proves that the individual had, at the time of licensing, enough knowledge to be judged competent by a review board. But "being judged" competent isn't the same as actually "being competent."

What about the fact that, in many states, a PE license makes NO REFERENCE to the particular engineering discipline which is the licensee's field of competence? Does this mean that a PE who's area of expertise is EE can sign off on a blueprint for a bridge because he/she is a PE? If that's true, I'd rather put my trust in a company that someone waving a piece of paper.....

No flames intended here, BTW; in fact, I agree that a PE license is a good and useful thing. I fear, however, that industry and some of the professional societies have conspired to create a situation whereby "going back" to licensing all engineers will be impossible to achieve. If only one state does it, then industry will just pack up and move to a state that doesn't do it (and be welcomed with open arms!). Ergo, it would be necessary to create a national law (Ugh! Just what we need!) requiring that all engineers be licensed; otherwise, it will never happen.

The first three pargraphs above are sort of "Devil's Advocate" statements which probably only scratch the surface of arguments which would rear up in opposition to your suggestion.....

```
       * Paul H. Bock, Jr. K4MSG  * Senior Systems Engineer
(|_|)  * E-Systems/Melpar Div.    * Telephone: (703) 560-5000 x2062
 | |)  * 7700 Arlington Blvd.     * Internet: pbock@melpar.esys.com
       * Falls Church, VA 22046   * Mailstop: N301
```

"Imagination is more important than knowledge." - Albert Einstein

---

From 5640199340676156664
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c348bebb49e0efe5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,c348bebb49e0efe5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,c348bebb49e0efe5
X-Google-Attributes: gid10bf43,public
X-Google-ArrivalTime: 1994-06-03 17:12:18 PST
Path: bga.com!news.sprintlink.net!hookup!news.kei.com!sol.ctr.columbia.edu!
howland.reston.ans.net!agate!darkstar.UCSC.EDU!news.hal.COM!olivea!ncd.com!
newshost.ncd.com!sheridan.ncd.com!stevew
From: stevew@sheridan.ncd.com (Steve Wilson)
Newsgroups: rec.radio.amateur.policy,rec.radio.amateur.misc,rec.ham-radio
Subject: Re: Legal Protections for Hams
Date: 3 Jun 1994 23:27:21 GMT
Organization: Network Computing Devices Inc., Mt. View, CA, USA
Lines: 79
Distribution: world
Message-ID: <2soe8p$k2d$1@rosebud.ncd.com>
References: <2sgvqj$4pr@spool.cs.wisc.edu> <Cqtq3s.Fu1@ss3.magec.com>
NNTP-Posting-Host: sheridan.ncd.com
Xref: bga.com rec.radio.amateur.policy:2917 rec.radio.amateur.misc:9417

In article <Cqtq3s.Fu1@ss3.magec.com>, pegood@ss3.magec.com (Peter E. Goodmann) writes:
|> -How about protection from lawsuits related to TVI, telephone interference,
|> and other forms of RFI caused by poorly designed consumer products and/or
|> Part 15 devices operating on frequencies assigned to the Amateur service?

I see a couple of problems with the above.

First, consider that the state doesn't have any authority in the areas of TVI, RFI, or the design quality of consumer goods. The original poster is running for a STATE legilature. (FCC has authority for all of the above, and has claimed such will through federal preemption of same.)

The second problem I see with the statement Pete made is the assumption that these consumer goods are "poorly designed." Such goods are designed to meet specific standards put in place by FCC, et al. Part of what I use as a working description of a good design is whether the product does the required job for the cheapest manufacturing cost. From this point of view, designing in protective circuitry to eliminate interfernce from an amateur radio station as an example, isn't required, would make the product cost higher, and therefore, doesn't meet the metric I mentioned!

This isn't to say that I wouldn't like to see such protective circuitry in consumer electronics. The reality of being a designer in the consumer world is that these protections AREN'T required, and consequently aren't there. The place to go bang on is either Congress, or the FCC who DOES have the authority to mandate such design practices. You simply aren't going to see them there until it is mandatory. I guess my main points are that the original poster isn't in a place to help, and the designers aren't the ones to blame.

Lastly, part 15 devices are allowed to run on Amateur service frequencies due to FCC policy. Again, this is the place where any corrections are going to start, though I doubt such will ever occur. ARRL DID comment about possible interference when the new part 15 rules were adopted. Their comments fell on deaf ears.

|> On a VERRRRRY loosly related subject, how about eliminating the
|> "industrial exemption" clause in your state's engineering registration law?
|> These exemptions, which most if not all states have, allow unlicensed
|> "engineers (who may not even have any engineering education or experience)
|> to practice as engineers as long as they only design manufactured goods. Would
|> you allow an unlicensed physician, who can only kill one person at a time to
|> practice medicine? How abount an unlicensed automtive "engineer" who could
|> kill many people with a single mistake?
|>
|> Thanks, and good luck!!
|>
|>   73,
|>   Pete Goodmann, P.E., NI9N
|>
|>

Responding to the above is the REAL reason I'm posting! Pete, as soon as a PE license has RELEVANT material, i.e. tests me on items that are relevant to design field I'm in, then I'll consider going and getting a PE.   Currently, the PE is an absolutely USELESS piece of paper for me and at the same time has NO bearing on the field I'm in. If I were designing bridges or buildings this wouldn't be true, but the current test structure in CA doesn't come close to being relevant to computer design! For instance, there just isn't that much need to apply fluid flow theory to designing a new PC. I need to know about computer architecture, computer languages, functionality available in current logic families, compatibility between logic families, EMI, RFI considerations, etc. Most of the above ISN'T covered on the PE last time I looked. The fact is that they would ask me things that I forgot soon after I graduated that have no bearing on what I see as a practicing engineer in a commercial setting. Consequently, the test does NOTHING to insure that I am competant to practice in my particular specialty.

So, to answer your question...Would I want an unlicensed automotive "engineer" to design the vehicle I'm riding in... I suspect I already am ;-) So, I guess I wouldn't mind! Certainly, there have been vehicle recalls over the years due to design mistakes, but if memory serves, alot of these were due to management decisions, not engineering decisions, i.e. the design flaw was discovered, but management swept the issue under the rug. Happens all the time. How would a "licensed" engineering staff have made a difference here?

__
Steve Wilson, KA6S - PE ;-)

From 3339020213248852953
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c348bebb49e0efe5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,c348bebb49e0efe5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,c348bebb49e0efe5
X-Google-Attributes: gid10bf43,public
X-Google-ArrivalTime: 1994-06-03 18:19:43 PST
Newsgroups: rec.radio.amateur.policy,rec.radio.amateur.misc,rec.ham-radio
Path: bga.com!news.sprintlink.net!hookup!news.kei.com!sol.ctr.columbia.edu!howland.reston.ans.net!cs.utexas.edu!halley!integrity!malamute!barryc
From: barryc@mpd.tandem.com (Barry Chalcroft,2136,x8723,18849,)
Subject: Re: Legal Protections for Hams
Message-ID: <1994Jun3.203157.10812@integrity.uucp>
Sender: usenet@integrity.uucp (User for usenet)
Reply-To: barryc@mpd.tandem.com
Organization: Tandem Computers, Inc. ISD division
References: <Cqtq3s.Fu1@ss3.magec.com>
Date: Fri, 3 Jun 1994 20:31:57 GMT
Lines: 39
Xref: bga.com rec.radio.amateur.policy:2918 rec.radio.amateur.misc:9424

Pete Goodmann, P.E., NI9N posts:

>On a VERRRRRY loosely related subject, how about eliminating the
>"industrial exemption" clause in your state's engineering registration law?
>These exemptions, which most if not all states have, allow unlicensed
>"engineers (who may not even have any engineering education or experience)
>to practice as engineers as long as they only design manufactured goods. Would
>you allow an unlicensed physician, who can only kill one person at a time to
>ractice medicine? How abount an unlicensed automtive "engineer" who could
>kill many people with a single mistake?

That's assuming that having a P.E. means you know what you are doing. Or that going to college teaches one what the real engineering world is all about. It takes more than a piece of paper to make an engineer. After all Apple wasn't founded by degreed or PE'ed folks. Neither was Microsoft...

Does the title of engineer make them one legally? I have been a Field Engineer, Systems Engineer and Proposals Engineer, but have my college background in Geology/Meteorology and no PE. (I also had a better understanding about the real world of engineering and electronics than a many of my degreed and/or PE'd counterparts.

I'd rather see more emphasis put on licensing managers. After all, the Challenger was the prime example of management saying "Ship it" when it wasn't ready you'll ever find. No matter what the engineers or PE's say, managers have a lot more say in most companies.

Yes, I know thats not ham radio. But this is:

If my antenna(s) get struck by lighning am I liable to my neighbor?
I've had this happen to me with no damage but my neighbors TV got zapped.
(I fixed it, a blown fuse). Any legal eagles have any ideas on this?

```
--------------------------------------------------------------------------
Barry D. Chalcroft / N5NWI                Tandem Computers ISD, Austin,TX
Work: (512) 244-8723            The Home of "UNIX with Integrity"
EMAIL:   barryc@mpd.tandem.com            bchalcroft@delphi.com
     76500.2177@compuserve.com       barryc@cactus.org
```

From 4242527120700550913
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c348bebb49e0efe5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,c348bebb49e0efe5
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,c348bebb49e0efe5
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1994-06-03 18:50:14 PST
Path: bga.com!news.sprintlink.net!rtp.vnet.net!news1.digex.net!lynx.unm.edu!
umn.edu!zip.eecs.umich.edu!newsxfer.itd.umich.edu!gatech!usenet.ins.cwru.edu!
ns.mcs.kent.edu!kira.cc.uakron.edu!malgudi.oar.net!hypnos!voxbox!jgrubs
From: jgrubs@voxbox.norden1.com (Jim Grubs, W8GRT)
Newsgroups: rec.radio.amateur.policy,rec.radio.amateur.misc,rec.ham-radio
Subject: Re: Legal Protections for Hams
Message-ID: <69iBNc2w165w@voxbox.norden1.com>
Date: Thu, 02 Jun 94 20:30:16 EDT
References: <2sgvqj$4pr@spool.cs.wisc.edu>
Organization: Voxbox Enterprises
Lines: 31
Xref: bga.com rec.radio.amateur.policy:2919 rec.radio.amateur.misc:9427

-----BEGIN PGP SIGNED MESSAGE-----

jhanson@yar.cs.wisc.edu (Jason Hanson) writes:

> Ideas I have so far include:
>
> 1) Opposition to scanner/radio bans, etc.
> 2) Adoption of PRB-1 (with possible revisions) into statutory form (I know
> about federal preemption, but this would make cases easier for hams...)
> 3) Developing stronger partnerships between state and ARES/RACES, etc.

How about doing something about restrictive covenants?

-----BEGIN PGP SIGNATURE-----
Version: 2.6

iQCVAwUBLe56ATDUWq8RWEeNAQEl7wP8CxynRCVwbFUUhvbmeaVs/k5ZigT/TuTq
ykpPvFXqdQjvu20/31V/YpoDV+8sbuxoH2eydlwUOwCJyBYbt/db6/lv+Ma0rp8X
p/M4BlsYinUWdviVGG1pYAxWoXhaqRIpkSi+6ZRbAmEWicvHU644LyE79lAIP9k3
F+BNH9iyxUA=
=NIie
-----END PGP SIGNATURE-----

```
+----------------------------------------------------------------------------+
|        I am Homer of Borg.  Prepare to be...OOoooooo!  Donuts!!!           |
| Jim Grubs, W8GRT            Voxbox Enterprises    THIS SPACE FOR RENT      |
| jgrubs@voxbox.norden1.com   6817 Maplewood Ave.   RATES REASONABLE         |
| Fido: 1:234/1.0             Sylvania, Ohio 43560  Home: 419/882-2697       |
|                AMATEUR RADIO - The National Park of the Mind               |
+----------------------------------------------------------------------------+
```

From 1547085820870048093
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c348bebb49e0efe5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bf43,c348bebb49e0efe5
X-Google-Attributes: gid10bf43,public
X-Google-Thread: 107ada,c348bebb49e0efe5
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1994-06-04 11:38:58 PST
Path: bga.com!news.sprintlink.net!rtp.vnet.net!news1.digex.net!news.intercon.com!howland.reston.ans.net!swrinde!elroy.jpl.nasa.gov!news.aero.org!sparky1.aero.org!cantrell
From: cantrell@sparky1.aero.org (John Cantrell)
Newsgroups: rec.radio.amateur.policy,rec.radio.amateur.misc,rec.ham-radio
Subject: Re: Legal Protections for Hams
Date: 3 Jun 1994 15:45:08 GMT
Organization: The Aerospace Corporation, El Segundo, CA
Lines: 27
Distribution: world
Message-ID: <2snj64$p6e@news.aero.org>
References: <2sgvqj$4pr@spool.cs.wisc.edu> <Cqtq3s.Fu1@ss3.magec.com>
NNTP-Posting-Host: sparky1.aero.org

Xref: bga.com rec.radio.amateur.policy:2927 rec.radio.amateur.misc:9480

In article <Cqtq3s.Fu1@ss3.magec.com>, pegood@ss3.magec.com (Peter E. Goodmann) writes:
|>
|> On a VERRRRRY loosly related subject, how about eliminating the
|> "industrial exemption" clause in your state's engineering registration law?
|> These exemptions, which most if not all states have, allow unlicensed
|> "engineers (who may not even have any engineering education or experience)
|> to practice as engineers as long as they only design manufactured goods. Would
|> you allow an unlicensed physician, who can only kill one person at a time to
|> practice medicine? How abount an unlicensed automtive "engineer" who could
|> kill many people with a single mistake?
|>
|> Thanks, and good luck!!
|>
|>   73,
|>   Pete Goodmann, P.E., NI9N
|>
You may not know it, but they already do! The Federal government employs physicians who need not pass the licensing exam of the state they are practicing in. I haven't noticed that the veterans are dropping like flies from inadequate care, though.
Having worked as an 'unlicensed engineer' for RCA designing microwave circuits (back when they still did that!), I don't see the need for eliminating this exception. Perhaps you can cite some cases where having passed the PE exam would have saved lives and reduced damages.

Yours, in curiosity,
cantrell

From 8369055398955140226
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c348bebb49e0efe5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,c348bebb49e0efe5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,c348bebb49e0efe5
X-Google-Attributes: gid10bf43,public
X-Google-ArrivalTime: 1994-06-06 14:17:32 PST
Newsgroups: rec.radio.amateur.policy,rec.radio.amateur.misc,rec.ham-radio
Path: bga.com!news.sprintlink.net!hookup!news.kei.com!yeshua.marcam.com!usc!elroy.jpl.nasa.gov!lll-winken.llnl.gov!unixhub!SHADOWFX.SLAC.Stanford.EDU!mgb
From: mgb@shadowfx.slac.stanford.edu (Michael G. Barbitta)
Subject: Re: Legal Protections for Hams
Message-ID: <mgb.1.2DF386B1@shadowfx.slac.stanford.edu>
Lines: 40
Sender: news@unixhub.SLAC.Stanford.EDU
Organization: Stanford Linear Accelerator Center
X-Newsreader: Trumpet for Windows [Version 1.0 Rev B]
References: <2sgvqj$4pr@spool.cs.wisc.edu>
Date: Mon, 6 Jun 1994 20:27:30 GMT

Xref: bga.com rec.radio.amateur.policy:2973 rec.radio.amateur.misc:9665

In article <2sgvqj$4pr@spool.cs.wisc.edu> jhanson@yar.cs.wisc.edu (Jason Hanson) writes:
>Xref: unixhub rec.radio.amateur.policy:10668 rec.radio.amateur.misc:60301
>Path: unixhub!lll-winken.llnl.gov!uwm.edu!daffy!uwvax!yar.cs.wisc.edu!jhanson
>From: jhanson@yar.cs.wisc.edu (Jason Hanson)
>Newsgroups: rec.radio.amateur.policy,rec.radio.amateur.misc,rec.ham-radio
>Subject: Legal Protections for Hams
>Date: 1 Jun 1994 03:37:55 GMT
>Organization: University of Wisconsin
>Lines: 17
>Message-ID: <2sgvqj$4pr@spool.cs.wisc.edu>
>NNTP-Posting-Host: yar.cs.wisc.edu

>I am a candidate for the Wisconsin legislature this fall and (as an Extra who
>cares about ham radio concerns) would like to prepare a sheet for my district's
>ham population.   What I am interested in is ideas for state laws that hams
>would appreciate...

>Ideas I have so far include:

>1) Opposition to scanner/radio bans, etc.
>2) Adoption of PRB-1 (with possible revisions) into statutory form (I know
>about federal preemption, but this would make cases easier for hams...)
>3) Developing stronger partnerships between state and ARES/RACES, etc.

>Any input (or money <grin>) you could provide would be appreciated!
>--
>Jason J. Hanson | 22 Langdon Street #220 | (608) 256-1004
>Univ. of Wisconsin | Madison, WI 53703-1344 | Ham: N9LEA (Extra)
>-- jhanson@yar.cs.wisc.edu   =*++*=   n9lea@wd9esu.#scwi.wi.usa.noam --

There was a case in California where a ham with CAP/MARS capability on his HT called - after attempting to get help on ham band - for aid on a police frequency. His companion was badly injured due to a fall, and he was in a remote area. The ham had his radio confiscated by the police in conjunction with the FCC.   I found the idea that the ham was being punished for attempting to save a life totally uncalled for, and legislation recognizing special circumstances where a radio operator could use "unauthorized" bands without worrying about being subjected to harrasment later, would be very helpful.

From -6192803040603169391
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c348bebb49e0efe5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,c348bebb49e0efe5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,c348bebb49e0efe5
X-Google-Attributes: gid10bf43,public

X-Google-ArrivalTime: 1994-06-07 12:22:28 PST
Path: bga.com!news.sprintlink.net!hookup!news.kei.com!eff!news.umbc.edu!
haven.umd.edu!ames!decwrl!parc!xerox!jacobi
From: jacobi@parc.xerox.com (Christian Jacobi)
Newsgroups: rec.radio.amateur.policy,rec.radio.amateur.misc,rec.ham-radio
Subject: Re: Legal Protections for Hams
Date: 7 Jun 1994 19:07:24 GMT
Organization: Xerox PARC
Lines: 23
Distribution: world
Message-ID: <2t2ghc$n8g@news.parc.xerox.com>
References: <2sgvqj$4pr@spool.cs.wisc.edu> <Cqtq3s.Fu1@ss3.magec.com>
NNTP-Posting-Host: rubberducky.parc.xerox.com
Xref: bga.com rec.radio.amateur.policy:2994 rec.radio.amateur.misc:9718

> On a VERRRRRY loosly related subject, how about eliminating the
> "industrial exemption" clause in your state's engineering registration law?
> These exemptions, which most if not all states have, allow unlicensed
> "engineers (who may not even have any engineering education or experience)
> to practice as engineers as long as they only design manufactured goods. Would
> you allow an unlicensed physician, who can only kill one person at a time to
> practice medicine? How abount an unlicensed automtive "engineer" who could
> kill many people with a single mistake?

In my opinion the comparison does not hold. An engineer works typically for
a company and they can interview and test the engineer before hiring them.
A physician works with individual patients. An individial patient does
rarely have the skills or the time to interview a physician wether he knows
any medicine or not.

Christian   KD6WYC

Oh BTW. If you get elected, don't worry too much about special ham issues. Just
make this place a little better for everybody living here...

Oops, please make the FCC more efficient. I don't have any gripe with whom gets a
license and who doesn't, but why does this require 8 weeks handling?

From -4496206648813001290
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c348bebb49e0efe5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,c348bebb49e0efe5
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,c348bebb49e0efe5
X-Google-Attributes: gid10bf43,public
X-Google-ArrivalTime: 1994-06-13 13:11:38 PST
Path: nntp.gmd.de!xlink.net!howland.reston.ans.net!swrinde!ihnp4.ucsd.edu!ames!
decwrl!pa.dec.com!steves
From: steves@pa.dec.com (Steve Schneider)
Newsgroups: rec.radio.amateur.policy,rec.radio.amateur.misc,rec.ham-radio

Subject: Re: Legal Protections for Hams
Date: 13 Jun 1994 20:00:55 GMT
Organization: Digital Equipment Corporation
Lines: 16
Message-ID: <2tidtn$6aj@usenet.pa.dec.com>
References: <2sgvqj$4pr@spool.cs.wisc.edu> <69iBNc2w165w@voxbox.norden1.com>
NNTP-Posting-Host: benelux.pa.dec.com
Xref: nntp.gmd.de rec.radio.amateur.policy:9538 rec.radio.amateur.misc:46580

>jhanson@yar.cs.wisc.edu (Jason Hanson) writes:
>
>> Ideas I have so far include:
>>
>> 1) Opposition to scanner/radio bans, etc.
>> 2) Adoption of PRB-1 (with possible revisions) into statutory form (I know
>> about federal preemption, but this would make cases easier for hams...)

What's PRB-1?

--
--   --
Steve C. Schneider
 steves@pa.dec.com
--   --

From 5996294132753287096
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e9fed565b07aad,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,8e9fed565b07aad,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,8e9fed565b07aad,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,8e9fed565b07aad,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1994-06-25 16:39:33 PST
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.swap
Path: bga.com!news.sprintlink.net!hookup!news.kei.com!eff!usenet.ins.cwru.edu!magnus.acs.ohio-state.edu!csn!raney
From: raney@teal.csn.org (Scott Raney)
Subject: Azden 2 meter mobile tranceiver for sale
Message-ID: <Crz82E.I11@csn.org>
Followup-To: rec.radio.amateur.equipment
Sender: news@csn.org (The Daily Planet)
Nntp-Posting-Host: teal.csn.org
Organization: Colorado SuperNet, Inc.
Date: Sat, 25 Jun 1994 23:32:37 GMT
Lines: 32
Xref: bga.com rec.radio.amateur.equipment:2910 rec.radio.swap:4107

Azden PCS-6000H 2 meter mobile tranceiver w/antenna
 - 45 watts with 10W low power setting
 - 20 channel memory with scan.
 - Very easy to program.
 - Wide frequency coverage (receive 118-135.995 MHz AM aircraft
   band, 140-173 MHz FM with transmit over 140-149.995 MHz).
 - Built-in tone encoder, numeric keypad on mic
 - Mobile antenna. Base loaded with 5/8 wave stainless whip.

Both are about 4 years old and in perfect working condition. I sold
the truck they were in and don't plan to replace it.

The comparable current model is $340 from Azden + about $50 for the
antenna from a mail-order company.

Will sell both for $200, and I'll pay shipping anywhere in the U.S.

No risk purchase: charge it to your Visa, MasterCard or American
Express card. If you're not satisfied, the credit card company will
ensure that you get your money back.

Scott Raney
raney@csn.org
303-499-1109

```
--
***********************************************************************
* Scott Raney  303-447-3936            Remember: the better you look, *
* raney@metacard.com                   the more you'll see -- Lidia   *
***********************************************************************
```

From -5824551765470910774
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28336a01fb90b708,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,2ed3ef7845bd3f84
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1994-07-05 02:53:55 PST
Path: bga.com!news.sprintlink.net!hookup!news.kei.com!eff!news.duke.edu!concert!
salzo!toybox!n4zbb
From: n4zbb@toybox.raleigh.nc.us (Ken M. Edwards)
Newsgroups: rec.ham-radio,rec.radio.amateur.misc
Subject: Re: RF danger?
Message-ID: <1994Jul5.035421.7692@toybox.raleigh.nc.us>
Date: Tue, 5 Jul 1994 03:54:21 GMT
References: <chuck.lampman-220694083427@clampman.gatech.edu>
Organization: Toybox linux system
Lines: 47

In article <chuck.lampman-220694083427@clampman.gatech.edu>,
Chuck Lampman <chuck.lampman@gstrf.gatech.edu> wrote:
>I'm a non-electronic type person with no interest in ham radio except as it
>may or may not affect me or my family when practiced by others. My new
>neighbor just put up a GIANT radio antenna that is, because of a slight
>difference in elevation, exactly on a level with my upstairs bedrooms, and
>right at 120 feet from where we sleep. I know from the lights in her house
>(and my FM radio, which is suddenly being blown off the air) that she does
>most of her transmitting between 10pm and 2am, while my family and I sleep
>in the antenna plane.
>

Yes and no, the subject is very contriversal (sp?) as you will probably soon find out :-).

The GIANT antenna will probably indicate that your neighbor is 'running' HF. These frequencies are not suspected as widely of producing the danger from non-ionizing radiation as VHF/UHF (although if you were talking of extreme proximity, such as single feet distances, lukemia would be of some concern).

I have heard of some studies that would conflict with the above statement, their methods have been questioned.

>Is there any risk here?

If you have concerns, your neighbor should be happy to work with you. Most hams will go out-of-their-way to help.

>
>I'd appreciate e-mail, as I don't read this group regularly [See line 1
>:^)]

I understand your concern, and practice as many safety principles as possible to minimize the RF radiation into the house as possible, but at 120 feet away, the field strength should be well within safety standards set forth by ANSI.

B
>
>Chuck Lampman
>Chuck.Lampman@gstrf.gatech.edu

ZZ

From 8202107374674473512
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96d67bb783bf1455,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115648,96d67bb783bf1455,start

X-Google-Attributes: gid115648,public
X-Google-Thread: 10c349,96d67bb783bf1455,start
X-Google-Attributes: gid10c349,public
X-Google-Thread: fa656,96d67bb783bf1455,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 108122,96d67bb783bf1455,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 114aac,96d67bb783bf1455,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1994-07-17 18:53:57 PST
Newsgroups: alt.radio.uk,aus.radio,rec.ham-
radio,rec.radio.amateur,rec.radio.shortwave,rec.radio.amateur.equipment
Path: bga.com!news.sprintlink.net!hookup!news.kei.com!yeshua.marcam.com!
charnel.ecst.csuchico.edu!nic-nac.CSU.net!csus.edu!netcom.com!feustel
From: feustel@netcom.com (David Feustel)
Subject: Transceiver Purchase Comments Requested
Message-ID: <feustelCt448L.8Iq@netcom.com>
Organization: DAFCO: OS/2 Device Drivers To Go
Date: Mon, 18 Jul 1994 01:31:32 GMT
Lines: 14
Xref: bga.com alt.radio.uk:144 rec.radio.shortwave:8391
rec.radio.amateur.equipment:3406

I'm on the verge of buying my first amateur radio transceiver.
My major choices at this point (both 6-meter capable ICOMs) are:

- ICOM 736
- ICOM 729 + AEA or MFJ portable allband antenna

Prior to my purchase, I welcome comments from hams with experience
with these or other 6-meter capable tranceivers.

Thanks.
--
Dave Feustel N9MYI Internet:<feustel@netcom.com> Compuserve:<73532,1747>

From 673490397525004208
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,48c074643a2765cc,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bb54,4617cfda9c847197
X-Google-Attributes: gid10bb54,public
X-Google-ArrivalTime: 1994-08-08 00:37:59 PST
Path: nntp.gmd.de!dearn!blekul11!idefix.CS.kuleuven.ac.be!ub4b!EU.net!
howland.reston.ans.net!
 gatech!mailer.acns.fsu.edu!freenet3.scri.fsu.edu!freenet3.scri.fsu.edu!not-for-
mail
From: sjking@freenet3.scri.fsu.edu (Steven J. King)
Newsgroups: alt.2600,rec.ham-radio
Subject: Re: Jamming Police Radar

Date: 7 Aug 1994 14:22:40 -0400
Organization: Tallahassee Free-Net
Lines: 11
Message-ID: <3238pg$9ck@freenet3.scri.fsu.edu>
References: <013879LFGDVLOGOBTOEK@integtel.com# <31hme1$hea@msuinfo.cl.msu.edu#
<31kelb$7ij@apakabar.cc.columbia.edu# <31mlj5$m6n@blaze.cs.jhu.edu#
<31p6lq$8ai@apakabar.cc.columbia.edu> <31sgse$o44@freenet3.scri.fsu.edu>
NNTP-Posting-Host: freenet3.scri.fsu.edu
X-Newsreader: TIN [version 1.2 PL2]

[lots of stuff deleted]

I missed the beginning of this thread so I don't know if I am thinking of the same thing. Rainbow Kits has an Amateur X-band CW transmitter that JUST HAPPENS to trip radar detectors. What would happen if this device was pointed at a speed radar device, particularly if the device was on the X-band?

```
--
Steven King   SJKing@Freenet.FSU.EDU | Packet: KC6WCH @ N0ARY.#NOCAL.CA.USA.NA
V-Mail          (904) 375-8658 x5464 | ICBM:   29N 41' 26" / 82W 21' 17"
         ** GORE IN '94 **           |      "SURF, KITTY! SURF!"
```

From 3248713372860682479
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,486b9602c2b19514,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c0e7,486b9602c2b19514,start
X-Google-Attributes: gid10c0e7,public
X-Google-Thread: 10e16d,486b9602c2b19514,start
X-Google-Attributes: gid10e16d,public
X-Google-Thread: 111f3f,486b9602c2b19514,start
X-Google-Attributes: gid111f3f,public
X-Google-Thread: 10bb54,486b9602c2b19514,start
X-Google-Attributes: gid10bb54,public
X-Google-Thread: 1007a7,486b9602c2b19514,start
X-Google-Attributes: gid1007a7,public
X-Google-ArrivalTime: 1994-08-08 22:12:52 PST
Path: nntp.gmd.de!dearn!blekul11!idefix.CS.kuleuven.ac.be!ub4b!EU.net!howland.reston.ans.net!sol.ctr.columbia.edu!news.cs.columbia.edu!news.columbia.edu!namaste.cc.columbia.edu!rhg8
From: rhg8@namaste.cc.columbia.edu (Randolph Hobson Guthrie)
Newsgroups: alt.2600,alt.drugs,alt.drugs.chemistry,rec.autos.rod-n-custom,rec.ham-radio,rec.autos.driving
Subject: Active Police Detector "Anti-Police Radar"
Date: 9 Aug 1994 01:26:53 GMT
Organization: Columbia University
Lines: 14
Message-ID: <326m0t$sro@apakabar.cc.columbia.edu>
NNTP-Posting-Host: namaste.cc.columbia.edu
Xref: nntp.gmd.de alt.2600:19707 alt.drugs:71572 rec.autos.rod-n-custom:4463 rec.autos.driving:23316

I had an idea a while back that would be an active version of the CHiPs detector. The cops all have repeaters in their cars for the purpose of relaying signals from their hand-held units to base and back.

It would be easy to design a hand-held unit that would bounce signals through this equipment and measure the propagation delay. This would then tell you exacly how far away the cop car was. It is possible that since the cop's unit is FM that you could bounce a CW pulse through there with very little interference.
Anyone have any ideas on how to make this work and how not to get caught?

From 3588238578082237873
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,486b9602c2b19514
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10e16d,486b9602c2b19514
X-Google-Attributes: gid10e16d,public
X-Google-Thread: 10bb54,486b9602c2b19514
X-Google-Attributes: gid10bb54,public
X-Google-ArrivalTime: 1994-08-09 06:02:48 PST
Newsgroups: alt.2600,rec.ham-radio,rec.autos.driving
Path: nntp.gmd.de!dearn!blekul11!idefix.CS.kuleuven.ac.be!ub4b!EU.net!
howland.reston.ans.net!gatech!nntp.msstate.edu!emory!rsiatl!jgd
From: jgd@dixie.com (John De Armond)
Subject: Re: Active Police Detector "Anti-Police Radar"
Message-ID: <_g78z9f@dixie.com>
Date: Tue, 09 Aug 94 07:56:32 GMT
Organization: Dixie Communications Public Access. The Mouth of the South.
References: <326m0t$sro@apakabar.cc.columbia.edu>
Lines: 31
Xref: nntp.gmd.de alt.2600:19781 rec.autos.driving:23335

rhg8@namaste.cc.columbia.edu (Randolph Hobson Guthrie) writes:

>I had an idea a while back that would be an active version of the CHiPs
>detector. The cops all have repeaters in their cars for the purpose of relaying
>signals from their hand-held units to base and back.

>It would be easy to design a hand-held unit that would bounce signals through
>this equipment and measure the propagation delay. This would then tell you
>exacly how far away the cop car was. It is possible that since the cop's unit
>is FM that you could bounce a CW pulse through there with very little interference.

Wouldn't work. The propagation delay through the repeater is variable and can be relatively long. It is a common feature of 2 way repeaters to contain an analog delay line that enables the complete elimination of the squelch tail. Similarly, the delay between detection of

carrier and the keying of the transmitter is long and potentially
variable depending on a number of things such as supply voltage and
temperature.

Any particularl reason you felt the urge to post that question to
irrelevant groups such as alt.drugs?

John

--
John De Armond, WD4OQC, Marietta, GA   jgd@dixie.com
Performance Engineering Mag. Unsolicited email published at my sole discretion
--
The government has 3 new savings bonds: The Steffie bond with no maturity,
the Gore bond with no interest and the Clinton bond with no principle.

From 5926401699852188742
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,486b9602c2b19514
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 111f3f,486b9602c2b19514
X-Google-Attributes: gid111f3f,public
X-Google-Thread: 10e16d,486b9602c2b19514
X-Google-Attributes: gid10e16d,public
X-Google-Thread: 10c0e7,486b9602c2b19514
X-Google-Attributes: gid10c0e7,public
X-Google-Thread: 1007a7,486b9602c2b19514
X-Google-Attributes: gid1007a7,public
X-Google-Thread: 10bb54,486b9602c2b19514
X-Google-Attributes: gid10bb54,public
X-Google-ArrivalTime: 1994-08-09 06:52:20 PST
Newsgroups: alt.2600,alt.drugs,alt.drugs.chemistry,rec.autos.rod-n-custom,rec.ham-radio,rec.autos.driving
Path: nntp.gmd.de!xlink.net!howland.reston.ans.net!gatech!news-feed-1.peachnet.edu!umn.edu!gold!wahi0001
From: wahi0001@gold.tc.umn.edu ()
Subject: Re: Active Police Detector "Anti-Police Radar"
Message-ID: <Cu9stq.Lw3@news.cis.umn.edu>
Sender: news@news.cis.umn.edu (Usenet News Administration)
Nntp-Posting-Host: gold1.tc.umn.edu
Organization: University of Minnesota
References: <326m0t$sro@apakabar.cc.columbia.edu>
Date: Tue, 9 Aug 1994 13:46:20 GMT
Lines: 9
Xref: nntp.gmd.de alt.2600:19786 alt.drugs:71690 rec.autos.rod-n-custom:4473
rec.autos.driving:23344

In the same vein as a detector, a jammer would be even easier. Of course the
filth would immediately try to triangulate and confiscate (i.e. STEAL) said
device. You could use it in a mobile environment, jamming for short periods
and then moving to a diffent area to jam. It would cause the filth some nice
headaches, their communications being fragged at random times. Ideally one

would have many of these devices, and friends to operate them. That, or be a
tad more complex, have them activated by a signal from you. You could move
their locations every day or three.

From 5539861091560280290
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,486b9602c2b19514
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10e16d,486b9602c2b19514
X-Google-Attributes: gid10e16d,public
X-Google-Thread: 10c0e7,486b9602c2b19514
X-Google-Attributes: gid10c0e7,public
X-Google-Thread: 111f3f,486b9602c2b19514
X-Google-Attributes: gid111f3f,public
X-Google-Thread: 1007a7,486b9602c2b19514
X-Google-Attributes: gid1007a7,public
X-Google-Thread: 10bb54,486b9602c2b19514
X-Google-Attributes: gid10bb54,public
X-Google-ArrivalTime: 1994-08-09 09:39:18 PST
Newsgroups: alt.2600,alt.drugs,alt.drugs.chemistry,rec.autos.rod-n-custom,rec.ham-radio,rec.autos.driving
Path: nntp.gmd.de!dearn!blekul11!idefix.CS.kuleuven.ac.be!ub4b!EU.net!
howland.reston.ans.net!
 gatech!cs.utk.edu!martha.utcc.utk.edu!utkvx.utk.edu!garbett
From: garbett@utkvx.utk.edu (Garbett, Shawn)
Subject: Re: Active Police Detector "Anti-Police Radar"
Message-ID: <9AUG199411045335@utkvx.utk.edu>
News-Software: VAX/VMS VNEWS 1.41
Sender: usenet@martha.utcc.utk.edu (USENET News System)
Organization: University of Tennessee
References: <326m0t$sro@apakabar.cc.columbia.edu> <Cu9stq.Lw3@news.cis.umn.edu>
Date: Tue, 9 Aug 1994 15:04:00 GMT
Lines: 29
Xref: nntp.gmd.de alt.2600:19807 alt.drugs:71720 rec.autos.rod-n-custom:4479
rec.autos.driving:23362

In article <Cu9stq.Lw3@news.cis.umn.edu>, wahi0001@gold.tc.umn.edu () writes...
>In the same vein as a detector, a jammer would be even easier. Of course the
>filth would immediately try to triangulate and confiscate (i.e. STEAL) said
>device. You could use it in a mobile environment, jamming for short periods
>and then moving to a diffent area to jam. It would cause the filth some nice
>headaches, their communications being fragged at random times. Ideally one
>would have many of these devices, and friends to operate them. That, or be a
>tad more complex, have them activated by a signal from you. You could move
>their locations every day or three.
>

Here's how to have a little fun, go into a radio shop and ask for a
gigahertz amplifier. It will cause a slight panic in a radio technician
who's worth his salt. Because all one would have to do is hook an
appropriate antenna, with a resonant coil tuned to the radar range

and feed it through the amplifier to create a feedback loop. Feedback loops would work havoc on all police radars.

Just imagine a very large amplifier. Heh Heh Heh.

By the way, the FCC maintains a very good team of people to track down illegal broadcasting. We were transmitting data on the VHF band and there was some Baptist preacher who was transmitting prayers to heaven on the same band. They located him very quickly. I think they use triangulation to locate the signal. I think one doing anything like this thread is talking about stands a very high chance of getting caught.

Shawn

From -4036275118892236136
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,48c074643a2765cc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bb54,4617cfda9c847197
X-Google-Attributes: gid10bb54,public
X-Google-ArrivalTime: 1994-08-09 21:07:12 PST
Path: nntp.gmd.de!dearn!blekul11!idefix.CS.kuleuven.ac.be!ub4b!EU.net!uunet!
news.sprintlink.net!tequesta.gate.net!sysop
From: caver4@gate.net (Dan Elsila)
Newsgroups: alt.2600,rec.ham-radio
Subject: Re: Jamming Police Radar
Date: 10 Aug 1994 01:49:36 GMT
Organization: none
Lines: 20
Message-ID: <329bng$g04@tequesta.gate.net>
References: <013879LFGDVLOGOBTOEK@integtel.com# <31hme1$hea@msuinfo.cl.msu.edu#
<31kelb$7ij@apakabar.cc.columbia.edu# <31mlj5$m6n@blaze.cs.jhu.edu# <31p6l
<31sgse$o44@freenet3.scri.fsu.edu>
NNTP-Posting-Host: orfl-3.gate.net
X-Newsreader: WinVN 0.90.3

> Besides, how can a radar be considered "communications"? If it is, how
>can the cop be communicating with himself? He is aiming his signal at me,
>I'm just answering!
> Does anybody know a judge that would actually buy this stuff?
>
>   Stick me with a fork, I think I'm done.
>   chuck62@freenet.fsu.edu

It certainly "communicates" the speed of the oncoming object, doesn't it Chucko? How's the cop going to prove that it didn't contain information that you as a duly licensed operator found to be interesting? (you sure as hell don't need to prove anything else.)

You can quote me.

de N4NYK (General Class)
Dan Elsila
caver4@gate.net

From 1647731261338311638
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,486b9602c2b19514
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10e16d,486b9602c2b19514
X-Google-Attributes: gid10e16d,public
X-Google-Thread: 10c0e7,486b9602c2b19514
X-Google-Attributes: gid10c0e7,public
X-Google-Thread: 1007a7,486b9602c2b19514
X-Google-Attributes: gid1007a7,public
X-Google-Thread: 10bb54,486b9602c2b19514
X-Google-Attributes: gid10bb54,public
X-Google-Thread: 111f3f,486b9602c2b19514
X-Google-Attributes: gid111f3f,public
X-Google-ArrivalTime: 1994-08-09 21:18:13 PST
Path: nntp.gmd.de!dearn!blekul11!idefix.CS.kuleuven.ac.be!ub4b!EU.net!uunet!news.sprintlink.net!tequesta.gate.net!sysop
From: caver4@gate.net (Dan Elsila)
Newsgroups: alt.2600,alt.drugs,alt.drugs.chemistry,rec.autos.rod-n-custom,rec.ham-radio,rec.autos.driving
Subject: Re: Active Police Detector "Anti-Police Radar"
Date: 10 Aug 1994 01:54:07 GMT
Organization: none
Lines: 10
Message-ID: <329bvv$g04@tequesta.gate.net>
References: <326m0t$sro@apakabar.cc.columbia.edu> <Cu9stq.Lw3@news.cis.umn.edu>
NNTP-Posting-Host: orfl-3.gate.net
X-Newsreader: WinVN 0.90.3
Xref: nntp.gmd.de alt.2600:19901 alt.drugs:71819 rec.autos.rod-n-custom:4506 rec.autos.driving:23427

In article <Cu9stq.Lw3@news.cis.umn.edu>, wahi0001@gold.tc.umn.edu () says:
>
>In the same vein as a detector, a jammer would be even easier. Of course the

Boys, where's your electronics knowledge? Simply interpolate the incoming
doppler signal and fire it back at him at whatever shift you want. At
higher power. He does it - all you need to do is sense it and react. Fast.

Caver4@gate.net

From -5572895101961953699
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,486b9602c2b19514

```
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10e16d,486b9602c2b19514
X-Google-Attributes: gid10e16d,public
X-Google-Thread: 10bb54,486b9602c2b19514
X-Google-Attributes: gid10bb54,public
X-Google-ArrivalTime: 1994-08-09 22:49:23 PST
Path: nntp.gmd.de!dearn!blekul11!idefix.CS.kuleuven.ac.be!ub4b!EU.net!
howland.reston.ans.net!
 gatech!newsxfer.itd.umich.edu!zip.eecs.umich.edu!panix!news.columbia.edu!
bonjour.cc.columbia.edu!rhg8
From: rhg8@bonjour.cc.columbia.edu (Randolph Hobson Guthrie)
Newsgroups: alt.2600,rec.ham-radio,rec.autos.driving
Subject: Re: Active Police Detector "Anti-Police Radar"
Date: 10 Aug 1994 03:55:14 GMT
Organization: Columbia University
Lines: 3
Message-ID: <329j32$jcd@apakabar.cc.columbia.edu>
References: <326m0t$sro@apakabar.cc.columbia.edu> <_g78z9f@dixie.com>
NNTP-Posting-Host: bonjour.cc.columbia.edu
Xref: nntp.gmd.de alt.2600:19908 rec.autos.driving:23429
```

I figured that a hand held unit might be a lot use to someone with a lab.

```
From -8188002254013437621
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,48c074643a2765cc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bb54,4617cfda9c847197
X-Google-Attributes: gid10bb54,public
X-Google-ArrivalTime: 1994-08-10 09:54:44 PST
Path: nntp.gmd.de!newsserver.jvnc.net!netnews.upenn.edu!dsinc!newsfeed.pitt.edu!
gatech!news-feed-1.peachnet.edu!emory!swrinde!elroy.jpl.nasa.gov!usc!math.ohio-
state.edu!hobbes.physics.uiowa.edu!newsfeed.ksu.ksu.edu!moe.ksu.ksu.edu!
vixen.cso.uiuc.edu!rhf.bradley.edu!cs1.bradley.edu!not-for-mail
From: mojo@cs1.bradley.edu (Tony Bailey)
Newsgroups: alt.2600,rec.ham-radio
Subject: Re: Jamming Police Radar
Followup-To: alt.2600,rec.ham-radio
Date: 10 Aug 1994 10:52:30 -0500
Organization: Bradley's RHOF SuperComputer
Lines: 24
Message-ID: <32at3u$gcs@cs1.bradley.edu>
References: <013879LFGDVLOGOBTOEK@integtel.com# <31hme1$hea@msuinfo.cl.msu.edu#
<31kelb$7ij@apakabar.cc.columbia.edu# <31mlj5$m6n@blaze.cs.jhu.edu# <31p6l
<31sgse$o44@freenet3.scri.fsu.edu> <329bng$g04@tequesta.gate.net>
NNTP-Posting-Host: cs1.bradley.edu
X-Newsreader: TIN [version 1.2 PL2]
```

Dan Elsila (caver4@gate.net) wrote:

: It certainly "communicates" the speed of the oncoming object, doesn't it
: Chucko? How's the cop going to prove that it didn't contain information
: that you as a duly licensed operator found to be interesting? (you sure
: as hell don't need to prove anything else.)

: de N4NYK (General Class)

Dan, I think you (and many others) are missing the point of an amateur radio operator using his license as a backup for jamming police radar. This can be construed by many (judges, FCC NAL handlers, etc) as obscuring communication, and or one-way broadcasting.

Even if you do mange to beat the system you ARE GIVING THE HOBBY A BAD NAME. The intent of amateur radio is to PROMOTE GOODWILL THROUGH COMMUNICATION. NOT jam some cop's radar so you can evade a ticket. I think a lot of you people need to brush up on your part 97.

Tony - N9OTJ
--
Tony Bailey   mojo@cs1.bradley.edu
Bradley University   mojo@spectrum.bradley.edu

From -1886574551465784586
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,486b9602c2b19514
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c0e7,486b9602c2b19514
X-Google-Attributes: gid10c0e7,public
X-Google-Thread: 10bb54,486b9602c2b19514
X-Google-Attributes: gid10bb54,public
X-Google-Thread: 10e16d,486b9602c2b19514
X-Google-Attributes: gid10e16d,public
X-Google-Thread: 111f3f,486b9602c2b19514
X-Google-Attributes: gid111f3f,public
X-Google-Thread: 1007a7,486b9602c2b19514
X-Google-Attributes: gid1007a7,public
X-Google-ArrivalTime: 1994-08-10 13:42:36 PST
Path: nntp.gmd.de!dearn!blekul11!idefix.CS.kuleuven.ac.be!ub4b!EU.net!uunet!utcsri!newsflash.concordia.ca!canopus.cc.umanitoba.ca!fernand
From: fernand@cc.umanitoba.ca (Marcel Fernandez)
Newsgroups: alt.2600,alt.drugs,alt.drugs.chemistry,rec.autos.rod-n-custom,rec.ham-radio,rec.autos.driving
Subject: Re: Active Police Detector "Anti-Police Radar"
Date: 10 Aug 1994 18:33:40 GMT
Organization: University of Manitoba, Winnipeg, Manitoba, Canada
Lines: 19
Message-ID: <32b6i4$ll8@canopus.cc.umanitoba.ca>
References: <326m0t$sro@apakabar.cc.columbia.edu> <Cu9stq.Lw3@news.cis.umn.edu>
NNTP-Posting-Host: antares.cc.umanitoba.ca
Xref: nntp.gmd.de alt.2600:20062 alt.drugs:71986 rec.autos.rod-n-custom:4535 rec.autos.driving:23523

In article <Cu9stq.Lw3@news.cis.umn.edu> wahi0001@gold.tc.umn.edu () writes:
>In the same vein as a detector, a jammer would be even easier. Of course the
>filth would immediately try to triangulate and confiscate (i.e. STEAL) said
>device. You could use it in a mobile environment, jamming for short periods
>and then moving to a diffent area to jam. It would cause the filth some nice
>headaches, their communications being fragged at random times. Ideally one
>would have many of these devices, and friends to operate them. That, or be a
>tad more complex, have them activated by a signal from you. You could move
>their locations every day or three.
>

Well then lets get cocky!!

Install these jammers with a timer to be set off all around town at
different intervals.

RESULT: HAVOC

Add some honey and Presto: the birds and the Bees and Calcium Inos

---

From -6949782856512606775
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,486b9602c2b19514
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c0e7,486b9602c2b19514
X-Google-Attributes: gid10c0e7,public
X-Google-Thread: 1007a7,486b9602c2b19514
X-Google-Attributes: gid1007a7,public
X-Google-Thread: 10bb54,486b9602c2b19514
X-Google-Attributes: gid10bb54,public
X-Google-Thread: 10e16d,486b9602c2b19514
X-Google-Attributes: gid10e16d,public
X-Google-Thread: 111f3f,486b9602c2b19514
X-Google-Attributes: gid111f3f,public
X-Google-ArrivalTime: 1994-08-10 13:42:37 PST
Path: nntp.gmd.de!dearn!blekul11!idefix.CS.kuleuven.ac.be!ub4b!EU.net!uunet!utcsri!newsflash.concordia.ca!canopus.cc.umanitoba.ca!fernand
From: fernand@cc.umanitoba.ca (Marcel Fernandez)
Newsgroups: alt.2600,alt.drugs,alt.drugs.chemistry,rec.autos.rod-n-custom,rec.ham-radio,rec.autos.driving
Subject: The MASK
Date: 10 Aug 1994 18:41:28 GMT
Organization: University of Manitoba, Winnipeg, Manitoba, Canada
Lines: 11
Message-ID: <32b70o$m71@canopus.cc.umanitoba.ca>
References: <326m0t$sro@apakabar.cc.columbia.edu> <Cu9stq.Lw3@news.cis.umn.edu> <32b6i4$ll8@canopus.cc.umanitoba.ca>
NNTP-Posting-Host: antares.cc.umanitoba.ca
Xref: nntp.gmd.de alt.2600:20063 alt.drugs:71987 rec.autos.rod-n-custom:4536 rec.autos.driving:23524

In the movie The Mask. the main character says many times:

and I quote: "I'm Smoking!!!!!!"

and I ask myself is this in relation to drugs??

why not say: "Im your nuts and your my honey and nuts" ,"Cherioos"

From 88853641599515750
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,486b9602c2b19514
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10e16d,486b9602c2b19514
X-Google-Attributes: gid10e16d,public
X-Google-Thread: 10bb54,486b9602c2b19514
X-Google-Attributes: gid10bb54,public
X-Google-Thread: 1007a7,486b9602c2b19514
X-Google-Attributes: gid1007a7,public
X-Google-Thread: 10c0e7,486b9602c2b19514
X-Google-Attributes: gid10c0e7,public
X-Google-Thread: 111f3f,486b9602c2b19514
X-Google-Attributes: gid111f3f,public
X-Google-ArrivalTime: 1994-08-11 16:17:29 PST
Path: nntp.gmd.de!dearn!blekul11!idefix.CS.kuleuven.ac.be!ub4b!EU.net!howland.reston.ans.net!agate!library.ucla.edu!galaxy.ucr.edu!94sschie
From: 94sschie@ultrix.uor.edu (Stephanie Schieffer)
Newsgroups: alt.2600,alt.drugs,alt.drugs.chemistry,rec.autos.rod-n-custom,rec.ham-radio,rec.autos.driving
Subject: Re: The MASK
Date: 11 Aug 1994 19:49:12 GMT
Organization: University of Redlands
Lines: 2
Message-ID: <32dvbo$60v@galaxy.ucr.edu>
References: <326m0t$sro@apakabar.cc.columbia.edu> <Cu9stq.Lw3@news.cis.umn.edu> <32b6i4$ll8@canopus.cc.umanitoba.ca> <32b70o$m71@canopus.cc.umanitoba.ca>
NNTP-Posting-Host: ultrix.uor.edu
Xref: nntp.gmd.de alt.2600:20247 alt.drugs:72157 rec.autos.rod-n-custom:4551 rec.autos.driving:23605

The mask as a metaphor for drugs? Definitely!

From -4899813585680499029
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,486b9602c2b19514
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c0e7,486b9602c2b19514

X-Google-Attributes: gid10c0e7,public
X-Google-Thread: 10e16d,486b9602c2b19514
X-Google-Attributes: gid10e16d,public
X-Google-Thread: 1007a7,486b9602c2b19514
X-Google-Attributes: gid1007a7,public
X-Google-Thread: 111f3f,486b9602c2b19514
X-Google-Attributes: gid111f3f,public
X-Google-Thread: 10bb54,486b9602c2b19514
X-Google-Attributes: gid10bb54,public
X-Google-ArrivalTime: 1994-08-12 00:48:59 PST
Newsgroups: alt.2600,alt.drugs,alt.drugs.chemistry,rec.autos.rod-n-custom,rec.ham-radio,rec.autos.driving
Path: nntp.gmd.de!xlink.net!howland.reston.ans.net!cs.utexas.edu!convex!news.duke.edu!eff!news.kei.com!uhog.mit.edu!news.mtholyoke.edu!world!zarlenga
From: zarlenga@world.std.com (michael zarlenga)
Subject: Re: Active Police Detector "Anti-Police Radar"
Message-ID: <CuEv1v.B2D@world.std.com>
Followup-To: alt.2600,alt.drugs,alt.drugs.chemistry,rec.autos.rod-n-custom,rec.ham-radio,rec.autos.driving
Organization: The World Public Access UNIX, Brookline, MA
X-Newsreader: TIN [version 1.2 PL2]
References: <326m0t$sro@apakabar.cc.columbia.edu> <Cu9stq.Lw3@news.cis.umn.edu> <329bvv$g04@tequesta.gate.net>
Date: Fri, 12 Aug 1994 07:20:18 GMT
Lines: 25
Xref: nntp.gmd.de alt.2600:20332 alt.drugs:72223 rec.autos.rod-n-custom:4563 rec.autos.driving:23648

: Boys, where's your electronics knowledge? Simply interpolate the incoming
: doppler signal and fire it back at him at whatever shift you want. At
: higher power. He does it - all you need to do is sense it and react. Fast.

React at _what_frequency_?

Tell me, what's the doppler shift, in Hertz, of a 10GHz signal when returning from a target with a velocity of 100mph, directly at the radar source?

Here's the equation you'll need to answer that :

```
                     1 - (u/c)          c = 3E8 meters/second
     v' = v * -----------------      v = radar freq (10E9 1/second)
                               2        v'= return signal's freq
                 sqrt(1 - (u/c)  )      u = 100 miles/hr (161.3 km/second)
```

Now that you see how _small_ the doppler shift is, has reality sunk in?

The reason police radar works without a calibration oven is that it has the original signal to beat against, yielding a time-varying doppler shift that tracks any drift in the signal.

--
mike zarlenga

```
From 7247650254298172632
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,48c074643a2765cc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bb54,4617cfda9c847197
X-Google-Attributes: gid10bb54,public
X-Google-ArrivalTime: 1994-08-12 11:20:37 PST
Path: nntp.gmd.de!dearn!blekul11!idefix.CS.kuleuven.ac.be!ub4b!EU.net!
howland.reston.ans.net!news.intercon.com!news.iac.net!iac.net!kcroll
From: kcroll@iac.net (Kenneth Croll)
Newsgroups: alt.2600,rec.ham-radio
Subject: Re: Jamming Police Radar
Date: Fri, 12 Aug 1994 12:44:56
Organization: Internet Access Cincinnati 513-887-8877
Lines: 33
Message-ID: <kcroll.20.000CC021@iac.net>
References: <013879LFGDVLOGOBTOEK@integtel.com# <31hme1$hea@msuinfo.cl.msu.edu#
<31kelb$7ij@apakabar.cc.columbia.edu# <31mlj5$m6n@blaze.cs.jhu.edu# <31p6l
<31sgse$o44@freenet3.scri.fsu.edu> <329bng$g04@tequesta.gate.net>
<32at3u$gcs@cs1.bradley.edu>
NNTP-Posting-Host: croll.iac.net
X-Newsreader: Trumpet for Windows [Version 1.0 Rev A]

In article <32at3u$gcs@cs1.bradley.edu> mojo@cs1.bradley.edu (Tony Bailey) writes:
>From: mojo@cs1.bradley.edu (Tony Bailey)
>Subject: Re: Jamming Police Radar
>Date: 10 Aug 1994 10:52:30 -0500

>Dan Elsila (caver4@gate.net) wrote:

>: It certainly "communicates" the speed of the oncoming object, doesn't it
>: Chucko? How's the cop going to prove that it didn't contain information
>: that you as a duly licensed operator found to be interesting? (you sure
>: as hell don't need to prove anything else.)

>: de N4NYK (General Class)

>Dan, I think you (and many others) are missing the point of an amateur
>radio operator using his license as a backup for jamming police radar.
>This can be construed by many (judges, FCC NAL handlers, etc) as
>obscuring communication, and or one-way broadcasting.

>Even if you do mange to beat the system you ARE GIVING THE HOBBY A BAD NAME.
>The intent of amateur radio is to PROMOTE GOODWILL THROUGH COMMUNICATION.
>NOT jam some cop's radar so you can evade a ticket.  I think a lot of you
>people need to brush up on your part 97.

>Tony - N9OTJ
>--
>Tony Bailey                                mojo@cs1.bradley.edu
>Bradley University                         mojo@spectrum.bradley.edu
```

I am glad to see someone finially has some sense around here!

Kenneth Croll   kcroll@iac.net

From 8040856060361356029
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,486b9602c2b19514
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c0e7,486b9602c2b19514
X-Google-Attributes: gid10c0e7,public
X-Google-Thread: 1007a7,486b9602c2b19514
X-Google-Attributes: gid1007a7,public
X-Google-Thread: 10e16d,486b9602c2b19514
X-Google-Attributes: gid10e16d,public
X-Google-Thread: 111f3f,486b9602c2b19514
X-Google-Attributes: gid111f3f,public
X-Google-Thread: 10bb54,486b9602c2b19514
X-Google-Attributes: gid10bb54,public
X-Google-ArrivalTime: 1994-08-12 16:28:41 PST
Path: nntp.gmd.de!dearn!blekul11!idefix.CS.kuleuven.ac.be!ub4b!EU.net!howland.reston.ans.net!gatech!mailer.acns.fsu.edu!not-for-mail
From: jac@ds8.scri.fsu.edu (Jim Carr)
Newsgroups: alt.2600,alt.drugs,alt.drugs.chemistry,rec.autos.rod-n-custom,rec.ham-radio,rec.autos.driving
Subject: Re: The MASK
Date: 12 Aug 1994 17:20:14 -0400
Organization: Supercomputer Computations Research Institute
Lines: 31
Message-ID: <32gp2e$hfg@ds8.scri.fsu.edu>
References: <Cu9stq.Lw3@news.cis.umn.edu> <32b6i4$ll8@canopus.cc.umanitoba.ca> <32b70o$m71@canopus.cc.umanitoba.ca>
NNTP-Posting-Host: ds8.scri.fsu.edu
Xref: nntp.gmd.de alt.2600:20448 alt.drugs:72336 rec.autos.rod-n-custom:4572 rec.autos.driving:23705

In article <32b70o$m71@canopus.cc.umanitoba.ca>
fernand@cc.umanitoba.ca (Marcel Fernandez) writes:
>
>In the movie The Mask. the main character says many times:
>
>and I quote: "I'm Smoking!!!!!!"
>
>and I ask myself is this in relation to drugs??

No, but your post might be. ;-) And although I kept the original distribution list, please no further followups to the rec.auto groups!

This does, as the prescient (and totally bizarre) choice of cross-posting groups suggests, originate with drag racing in the 50s. Could go back further, since leaving a trail of burning smoking ground behind was an indicator of speed in early cartoons. Need to extend the cross post to include some cunning linquists if you want a definitive answer.

It was a common saying in the 60s to suggest any form of superiority related to speed or quickness -- physical or mental. More recently, it was the nickname of "Smokin' Joe Frasier", the boxer.

>why not say: "Im your nuts and your my honey and nuts" ,"Cherioos"

Zippy might say this, but he would want BOSCO SAUCE on his nuts.

```
--
 James A. Carr   <jac@scri.fsu.edu>     |  Raw data, like raw sewage,
      http://www.scri.fsu.edu           |  requires some processing before
 Supercomputer Computations Res. Inst.  |  it can be spread around.  The
```

From 1393380427292249551
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4401b556c00b9df4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,4401b556c00b9df4,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f64c6,4401b556c00b9df4,start
X-Google-Attributes: gidf64c6,public
X-Google-Thread: 110fb1,4401b556c00b9df4,start
X-Google-Attributes: gid110fb1,public
X-Google-ArrivalTime: 1994-08-12 22:38:30 PST
Newsgroups: rec.ham-radio,rec.radio.amateur.misc,rpi.union.ham-radio,uk.radio.amateur
From: hrc@imcldn.demon.co.uk (Hoddesdon Radio Club)
Path: bga.com!news.sprintlink.net!hookup!news.umbc.edu!eff!news.duke.edu!news-feed-1.peachnet.edu!gatech!howland.reston.ans.net!pipex!demon!imcldn.demon.co.uk!hrc
Subject: Special Event Station Announcement
Organization: G7OBS Software
Reply-To: hrc@imcldn.demon.co.uk
X-Newsreader: Demon Internet Simple News v1.27
Lines: 25
Date: Fri, 12 Aug 1994 09:55:14 +0000
Message-ID: <776685314snz@imcldn.demon.co.uk>
Sender: usenet@demon.co.uk

Greetings to all OM, and YL.

The Hoddesdon Radio Club will be running a special event station in aid of Wood Green Animal Shelters from 2300Z (0000 Local) Friday, August 26 through to 1700Z (1800 Local) on Monday, August 29.

We expect to be operating on HF (80m - 10m), 6m, and 2m.
If you want to arrange a sked with us, please send mail as follows :-

Packet

G7OBS @ GB7DAA.#33.GBR.EU
Internet
hrc @ imcldn.demon.co.uk

We expect to have a small contingent from USAF Alconbury on hand, so I am sure any Stateside QSO's would be welcomed. Callsigns to look out for are GB2WAS on HF, and GB1WAS on 6m & up. Special QSL cards are available for working these stations.

Hope to meet you on the band

73's Mike G7OBS
Contest Manager
--
Hoddesdon Radio Club

From -3866339001136391l4
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,486b9602c2b19514
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c0e7,486b9602c2b19514
X-Google-Attributes: gid10c0e7,public
X-Google-Thread: 10e16d,486b9602c2b19514
X-Google-Attributes: gid10e16d,public
X-Google-Thread: 111f3f,486b9602c2b19514
X-Google-Attributes: gid111f3f,public
X-Google-ArrivalTime: 1994-08-13 07:47:53 PST
Newsgroups: alt.drugs,rec.autos.rod-n-custom,rec.ham-radio,rec.autos.driving
Path: bga.com!news.sprintlink.net!hookup!news.kei.com!ub!penny!mary!stei0302
From: stei0302@mary.cs.fredonia.edu (Jon N. Steiger)
Subject: Re: The MASK
Message-ID: <1994Aug13.065054.14061@penny.cs.fredonia.edu>
Followup-To: alt.drugs,rec.autos.rod-n-custom,rec.ham-radio,rec.autos.driving
Sender: news@penny.cs.fredonia.edu (News Administrator)
Organization: Math / CS, State Univ. of N. Y. College at Fredonia
X-Newsreader: TIN [version 1.2 PL1]
References: <326m0t$sro@apakabar.cc.columbia.edu> <Cu9stq.Lw3@news.cis.umn.edu>
<32b6i4$ll8@canopus.cc.umanitoba.ca> <32b70o$m71@canopus.cc.umanitoba.ca>
Date: Sat, 13 Aug 1994 06:50:54 GMT
Lines: 15
Xref: bga.com alt.drugs:31517 rec.autos.rod-n-custom:2796 rec.autos.driving:11581

Hey Fernandez, If you're going to post drivel like this, at least drool in the right newsgroup. This is *not* the first time you have done this, and you have been warned about this (not by me) before. Why is it that *all* your posts are directed to alt.2600, alt.drugs, alt.drugs.chemistry, rec.autos.rod-n-custom, rec.ham-radio, and rec.autos.driving?
It really is quite inconsiderate, so please stop this activity.
Thank you.

-
[Jon Steiger - DoD# 1038 KotVoid | '80 Honda CB650 - Shiny but Slow.   ]

```
[ stei0302@mary.cs.fredonia.edu    | '82 Yamaha Virago 750 - Loud and Mean. ]
[ stei0302@pat.cs.fredonia.edu     | '91 Yamaha FZR600R - Don't Blink!      ]
[ steiger0302@a12t.cc.fredonia.edu | '91 Mitsubishi 3000GT VR-4 - Way Fast! ]
[ --------------------- Abolish U.S. speed limits! ---------------------- ]
*=*=*=*=*=*=*=*=*=*=*=*=*=*=*=*=*=*=*=*=*=*=*=*=*=*=*=*=*=*=*=*=*=*=*-*-*-*


From -4090688216498966880
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,486b9602c2b19514
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1007a7,486b9602c2b19514
X-Google-Attributes: gid1007a7,public
X-Google-Thread: 10c0e7,486b9602c2b19514
X-Google-Attributes: gid10c0e7,public
X-Google-Thread: 10bb54,486b9602c2b19514
X-Google-Attributes: gid10bb54,public
X-Google-Thread: 10e16d,486b9602c2b19514
X-Google-Attributes: gid10e16d,public
X-Google-Thread: 111f3f,486b9602c2b19514
X-Google-Attributes: gid111f3f,public
X-Google-ArrivalTime: 1994-08-14 12:36:35 PST
Newsgroups: alt.2600,alt.drugs,alt.drugs.chemistry,rec.autos.rod-n-custom,rec.ham-
radio,rec.autos.driving
Path: nntp.gmd.de!xlink.net!howland.reston.ans.net!pipex!sunic!trane.uninett.no!
eunet.no!nuug!EU.net!uunet!world!zarlenga
From: zarlenga@world.std.com (michael zarlenga)
Subject: Re: Active Police Detector "Anti-Police Radar"
Message-ID: <CuJIF4.2vt@world.std.com>
Organization: The World Public Access UNIX, Brookline, MA
X-Newsreader: TIN [version 1.2 PL2]
References: <326m0t$sro@apakabar.cc.columbia.edu>  <CuEv1v.B2D@world.std.com>
<1994Aug14.103346.3985@ucbeh>
Date: Sun, 14 Aug 1994 19:35:27 GMT
Lines: 7
Xref: nntp.gmd.de alt.2600:20758 alt.drugs:72569 rec.autos.rod-n-custom:4587
rec.autos.driving:23813

: For a speed of 100 mph, its conversion to metric should be 161.3 km/hr.

Whoops!

--
mike zarlenga




From 7966700083631219852
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8795c2b96fb95151,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10bb54,8795c2b96fb95151,start
X-Google-Attributes: gid10bb54,public
```

```
X-Google-ArrivalTime: 1994-08-14 23:30:49 PST
Path: nntp.gmd.de!newsserver.jvnc.net!darwin.sura.net!wvnvms!cerc.wvu.edu!news
Newsgroups: alt.2600,rec.ham-radio
Subject: Re: Jamming Police Radar
Message-ID: <CuJMuo.n39@cerc.wvu.edu>
From: jfritz@wvnvm.wvnet.edu (Jeffrey Fritz)
Date: Sun, 14 Aug 1994 21:11:11 GMT
Sender: -Not-Authenticated-[3653]
References: <013879LFGDVLOGOBTOEK@integtel.com# <31hme1$hea@msuinfo.cl.msu.edu#
 <31kelb$7ij@apakabar.cc.columbia.edu# <31mlj5$m6n@blaze.cs.jhu.edu#>
<31p6lq$8ai@apakabar.cc.columbia.edu>
Organization: West Virginia University
X-Posted-From: InterNews 1.0.1@fritzh.telcom.wvu.edu
Nntp-Posting-Host: fritzh.telcom.wvu.edu
Xdisclaimer: No attempt was made to authenticate the sender's name.
Lines: 19
```

In article <31p6lq$8ai@apakabar.cc.columbia.edu>
rhg8@namaste.cc.columbia.edu (Randolph Hobson Guthrie) writes:

> Piggy wont know this. All he is going to have to go by is my bull shit backed
> up by a federal license. Also since I am authorized to transmit the pigs now
> have to show intent which would be damn near impossible.

Be careful. For pilots, the FAA allows local authorities to take
action against
errant pilots even though they are licensed by an agency of the Federal
Government.
True, the FCC is a different Federal Agency, so this may not apply. On
the other
hand, have you read the fine print in the R&Rs recently?

Jeffrey Fritz
WB1AAL
jfritz@wvnvm.wvnet.edu
West Virginia University

```
From -6005000185000918906
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,486b9602c2b19514
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10e16d,486b9602c2b19514
X-Google-Attributes: gid10e16d,public
X-Google-Thread: 10bb54,486b9602c2b19514
X-Google-Attributes: gid10bb54,public
X-Google-Thread: 10c0e7,486b9602c2b19514
X-Google-Attributes: gid10c0e7,public
X-Google-Thread: 111f3f,486b9602c2b19514
X-Google-Attributes: gid111f3f,public
X-Google-Thread: 1007a7,486b9602c2b19514
X-Google-Attributes: gid1007a7,public
X-Google-ArrivalTime: 1994-08-15 20:21:01 PST
```

Path: nntp.gmd.de!newsserver.jvnc.net!netnews.upenn.edu!msuinfo!harbinger.cc.monash.edu.au!news.cs.su.oz.au!metro!wabbit.cc.uow.edu.au!wabbit.cc.uow.edu.au!not-for-mail
From: u9350403@wumpus.cc.uow.edu.au (Corbett Jonathan Peter)
Newsgroups: alt.2600,alt.drugs,alt.drugs.chemistry,rec.autos.rod-n-custom,rec.ham-radio,rec.autos.driving
Subject: Re: Active Police Detector "Anti-Police Radar"
Date: 16 Aug 1994 12:52:33 +1000
Organization: University of Wollongong, NSW, Australia.
Lines: 11
Message-ID: <32p9lh$hba@wumpus.cc.uow.edu.au>
References: <326m0t$sro@apakabar.cc.columbia.edu> <CuEv1v.B2D@world.std.com> <1994Aug14.103346.3985@ucbeh> <CuJIF4.2vt@world.std.com>
NNTP-Posting-Host: wumpus.cc.uow.edu.au
Xref: nntp.gmd.de alt.2600:20976 alt.drugs:72771 rec.autos.rod-n-custom:4604 rec.autos.driving:23925

zarlenga@world.std.com (michael zarlenga) writes:

>: For a speed of 100 mph, its conversion to metric should be 161.3 km/hr.

>Whoops!

>--
>mike zarlenga

What the hell has this got to with drugs?
Jono.

From 4620125787902219021
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,486b9602c2b19514
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10e16d,486b9602c2b19514
X-Google-Attributes: gid10e16d,public
X-Google-Thread: 1007a7,486b9602c2b19514
X-Google-Attributes: gid1007a7,public
X-Google-Thread: 10bb54,486b9602c2b19514
X-Google-Attributes: gid10bb54,public
X-Google-Thread: 10c0e7,486b9602c2b19514
X-Google-Attributes: gid10c0e7,public
X-Google-Thread: 111f3f,486b9602c2b19514
X-Google-Attributes: gid111f3f,public
X-Google-ArrivalTime: 1994-08-18 13:17:31 PST
Path: bga.com!news.sprintlink.net!uunet!mnemosyne.cs.du.edu!nyx10.cs.du.edu!not-for-mail
From: spordon@nyx10.cs.du.edu
Newsgroups: alt.2600,alt.drugs,alt.drugs.chemistry,rec.autos.rod-n-custom,rec.ham-radio,rec.autos.driving
Subject: Re: Active Police Detector "Anti-Police Radar"
Date: 18 Aug 1994 12:57:00 -0600
Organization: /usr/lib/news/organi[sz]ation

Lines: 22
Approved: .
Message-ID: <330ats$22u@nyx10.cs.du.edu>
References: <326m0t$sro@apakabar.cc.columbia.edu> <1994Aug14.103346.3985@ucbeh>
<CuJIF4.2vt@world.std.com> <32p9lh$hba@wumpus.cc.uow.edu.au>
NNTP-Posting-Host: nyx10.cs.du.edu
Xref: bga.com alt.2600:19906 alt.drugs:32289 alt.drugs.chemistry:381
rec.autos.rod-n-custom:2891 rec.autos.driving:11964

In article <32p9lh$hba@wumpus.cc.uow.edu.au>,
Corbett Jonathan Peter <u9350403@wumpus.cc.uow.edu.au> wrote:
>zarlenga@world.std.com (michael zarlenga) writes:
>
>>: For a speed of 100 mph, its conversion to metric should be 161.3 km/hr.
>
>>Whoops!
>
>>--
>>mike zarlenga
>
>What the hell has this got to with drugs?

Well, he must have been sucking down that crack like crazy to mistake
seconds for hours.   ;-)

-Legion
--

```
   _____________________________________________________________________
 /~`                                                                   '~\
|_                 Beavis and Butthead is MST3K for idiots.              _|
 \:_____________________________________________________________________:/
```

From 741516013291454386
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1cbda29cefa4cf28,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1009ad,1cbda29cefa4cf28,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: fa029,1cbda29cefa4cf28,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 107ada,1cbda29cefa4cf28,start
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1994-08-29 16:06:00 PST
Path: bga.com!news.sprintlink.net!redstone.interpath.net!ddsw1!godot.cc.duq.edu!
news.duke.edu!news-feed-1.peachnet.edu!gatech!news.byu.edu!news.mtholyoke.edu!
news.umass.edu!news2.near.net!noc.near.net!shore.shore.net!shore.shore.net!not-for-mail
From: mc@shore.shore.net (Michael Crestohl)
Newsgroups: rec.radio.scanner,alt.radio.scanner,rec.ham-radio,rec.radio.amateur.misc
Subject: MASTER FREQUENCY FILE: Review and critique
Date: 29 Aug 1994 18:58:58 -0400

Organization: North Shore Access; a service of Eco Software, Inc.
Lines: 65
Message-ID: <33tp7i$atu@shore.shore.net>
NNTP-Posting-Host: shore.shore.net
Xref: bga.com rec.radio.scanner:9654 alt.radio.scanner:3912
rec.radio.amateur.misc:14456

Radio monitoring is, as we all know, a fascinating hobby whether it is shortwave listening or to higher frequencies on a scanner. However, its often difficult to know where to listen for specific kind of traffic or to identify what you're hearing. The SW broadcast area is well covered by the WORLD RADIO HANDBOOK, RADIO DATABASE and other publications and the utility bands have the GILFER and KLINGENFUSS guides. However, the scanner buff has a bit of a problem. Due to the fact that most of the VHF-UHF bands are pretty much line-of-sight, reference materials have to be regional in nature. Those scanner listeners who are lucky to live in certain areas like New York City, Boston and other large Metro regions have access to the SCANNER MASTER publications and there are, of course, specialized materials such as books covering the Aeronautical bands available. THE MASTER FREQUENCY FILE by James Tunnell and Robert Kelty (TAB Books Division of McGraw Hill, ISBN 0-8306-4131-9 $29.95) is one of these reference materials which covers U.S. Federal agencies all across the country.

THE MASTER FREQUENCY FILE is an awesome compilation of frequencies, callsigns and user IDs on the 25MHz to 2110 MHz radio spectrum and makes it easy to find and listen to communications from hundreds of sources including:

- The Federal Bureau of Investigation (FBI)

- Drug Enforcement Administration (DEA)

- U.S. Secret Service (USSS)

- U.S. Customs Service (CUSTOMS)

- Internal Revenue Service (IRS)

- Immigration & Naturalization Service (INS) and the Border Patrol

- U.S. Marshal Service

- National Park Service (NPS)

- Alcohol, Tobacco and Firearms (ATF)

- Bureau of Prisons

- Federal Communications Commission (FCC)

and a whole lot more.....

THE MASTER FREQUENCY FILE is national in scope and organized by state.

Also included are state maps showing counties, some simple BASIC computer programs, a discussion on secure voice communications and a master resource file. This is a list of a variety of specialized sources, publications and recources around the world ready to assist the radio hobbyist or professional in finding that specific organization, fact, facility or product that is difficult to locate. This also lists U.S. military installations worldwide and a compilation of international Aerospace, Security and Defense exhibitions arranged by month.

THE MASTER FREQUENCY FILE is a bit expensive at $29.95 but well worth it if you are into monitoring Federal radio communications. Authors Tunnell (also author of LATEST INTELLIGENCE published by TAB BOOKS) and Kelty have done an excellent job of organizing this wealth of information into a ready reference work where the answer to your question can be found quickly. In my opinion the master resource file (which is over 125 pages of contacts) is extremely valuable and more than adequately justifies the $30.00 price tag.

Michael Crestohl KH6KD/W1

```
From 6657180986534707365
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3b74f2688c60229,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10e503,3b74f2688c60229,start
X-Google-Attributes: gid10e503,public
X-Google-Thread: 114aac,3b74f2688c60229,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 107ada,3b74f2688c60229,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa029,3b74f2688c60229,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 1009ad,3b74f2688c60229,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 10aaab,3b74f2688c60229,start
X-Google-Attributes: gid10aaab,public
X-Google-ArrivalTime: 1994-10-14 07:02:15 PST
Path: bga.com!news.sprintlink.net!howland.reston.ans.net!europa.eng.gtefsd.com!
newsxfer.itd.umich.edu!gumby!yale!yale.edu!noc.near.net!shore.shore.net!
shore.shore.net!not-for-mail
From: mc@shore.net (Michael Crestohl)
Newsgroups: rec.radio.scanner,alt.radio.scanner,rec.ham-
radio,rec.radio.amateur.misc,rec.radio.shortwave,alt.books.reviews,alt.books.techn
ical
Subject: REVIEW: 5th Edition SCANNER MASTER MASSACHUSETTS GUIDE
Date: 13 Oct 1994 08:10:47 -0400
Organization: North Shore Access; a service of Eco Software, Inc.
Lines: 80
Distribution: na
Message-ID: <37j847$ijp@shore.shore.net>
NNTP-Posting-Host: shore.shore.net
Xref: bga.com rec.radio.scanner:12219 alt.radio.scanner:4772
```

REVIEW: SCANNER MASTER MASSACHUSETTS COMMUNICATIONS GUIDE, 5th Edition
EDITOR: Edward Soomre N1BFF Editor & Publisher: Richard Barnett KA1PYJ

A complete resource of public safety operations and one-and-two-way communications in the Commonwealth....692 pages...ISBN 0-939430-25-8 available from SCANNERMASTER PO Box 428, Newton Highlands MA 02161.
Tel: 1-800-722-6701. Price: $29.95

The ever popular MASSACHUSETTS SCANNER MASTER has been completely revised and the Fifth Edition, published in December 1993 is now available. There have been many changes in the two-way communications scene in the Bay State and the SCANNER MASTER has undergone a timely overhaul to keep up with them. The biggest change was to the State Police - last year state-level Metropolitan District Commission Police, Registry of Motor Vehicle Police and Capitol Police departments were all merged into the State Police. Since each had its own separate radio communications system this was changed to accomodate the new, larger Massachusetts State Police. The 5th Edition features a special State Police section with 30 pages of incredible detail on their new 800 MHz system and was written with the assistance of most of the senior state public safety radio managers.

The SCANNER MASTER is produced for the scanner and radio hobbyist and is an invaluable reference source for beginner and seasoned veteran alike. Many technical matters are explained and there are photographs of major dispatch centers, illustrations, organizational charts and plenty of maps. Also included are profiles of several of the more important "movers-and-shakers in Massachusetts communications. Some of the other "goodies" you will find are complete, VERIFIED ham repeater listings from information supplied directly by regional frequency co-ordinators, a huge new Federal section with FBI, DEA, Customs etc, great railroad, MBTA and airport detail and updated Notification Net information with the Metro Radio Syatem codes and frequencies.

Probably the most innovative technology in the comunications business is the new 800 MHz trunking system. The SCANNER MASTER has a section on how to monitor trunking and has a complete listing of all 800 MHz trunking business users. Other frequency guides list all trunking users at 806.10 from the FCC data. SCANNER MASTER researchers have taken considerable time and effort to look up the SMR callsign of EACH 800 MHz user (and they really have to dig for this!) and can accurately correlate this data to determine which repeater is being used so the listings in this category can be more specific and accurate. EVERY business license in the state is listed including the new 220 MHz narrowband licensees.

The SCANNER MASTER is broken down into five major sections. The first 185 pages describe in great detail the functions, jurisdictions, equipment and radio usage of every state, county, federal and regional agency, including State Police, Mass Highways, MEMA, MWRA, Massport, MBTA, marine, Coast Guard, aviation, news media and a lot more. The Community Section provides an alphabetical listing of every community in the State along with ALL radio licensees, including PL tone code information where applicable. Information on police usage is extremely detailed - including roll-call times, codes, station/unit identifiers, maps, charts, etc. The New England Public Safety Frequency Sort includes ALL police, fire,ambulance/EMS, municipal service listed in frequency order (to assist you in identifying what you are hearing). The Business Frequency Sort section lists all non-public safety agencies in frequency order and finally, the Business Type Sort lists all businesses in the guide in alphabetical order. Unfortuntely, due to space limitations the popular fire department and community profiles sections had to be left out of the Fifth edition.

There is so much more to this book. It is an invaluable reference but, more important, it can be read like a book and is packed with a lot of good reliable information. I an fairly new to scanner monitoring but my 4th edition of the SCANNER MASTER provided me with a good foundation of knowledge. The Fifth edition contains so much more timely and up-to-date data to make the hobby more fascinating and enjoyable. I've looked at the other books available in this area and the SCANNER MASTER is THE best reference source. Anyone can get the raw F.C.C. data, but editors Soomre and Barnett have done an excellent job of explaining, clarifying and amplifying the information which is something the others have failed to do. I highly recommend this book to scanner enthusiasts in the Commonwealth.

SCANNER MASTER produces guides for other areas as well and in the next few weeks I hope to examine some of them and report my findings. But, if they are of the same caliber as the MASSACHUSETTS GUIDE I can tell you now that they're going to be great!

Michael Crestohl KH6KD/W1
mc@shore.net

From -5832494344602300298
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b78bf310a57a538f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10e503,b78bf310a57a538f,start
X-Google-Attributes: gid10e503,public
X-Google-Thread: 1009ad,b78bf310a57a538f,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 107ada,b78bf310a57a538f,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa029,b78bf310a57a538f,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 114aac,b78bf310a57a538f,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10aaab,b78bf310a57a538f,start
X-Google-Attributes: gid10aaab,public
X-Google-ArrivalTime: 1994-10-21 16:01:58 PST
Path: bga.com!news.sprintlink.net!howland.reston.ans.net!noc.near.net!
shore.shore.net!shore.shore.net!not-for-mail
From: mc@shore.net (Michael Crestohl)
Newsgroups:

rec.radio.scanner,alt.radio.scanner,rec.radio.shortwave,rec.radio.amateur.misc,alt.books.reviews,alt.books.technical,rec.ham-radio
Subject: REVIEW: TUNING IN TO R.F. SCANNING by Bob Kay, TAB BOOKS 1994
Date: 21 Oct 1994 14:33:42 -0400
Organization: North Shore Access; a service of Eco Software, Inc.
Lines: 45
Message-ID: <3891i6$g2k@shore.shore.net>
NNTP-Posting-Host: shore.shore.net
Xref: bga.com rec.radio.scanner:12547 alt.radio.scanner:4872 rec.radio.shortwave:13372 rec.radio.amateur.misc:17143 alt.books.reviews:3964 alt.books.technical:1553

Review: TUNING IN TO R.F. SCANNING - from polic to satellite bands
Author: Bob Kay - TAB Books Division of McGraw-Hill Inc. 1994
ISBN: 0-07-033964-3 $14.95

This short book (150 pages) is an excellent guide for beginners to the fascinating world of scanner radio monitoring. It is well written in an informative style and addresses the main questions and issues of concern to someone with little or no knowledge of the subject.

The first chapter is devoted to information and advice on selecting the proper scanner to suit the listener's needs. Authou Kay explains the terminology and what the various specifications mean in everyday language. In addition, he covers the different controls, functions and features of today's popular scanning radios. The second chapter covers the different types of antennas, installation and most important, advice and warnings on the subject of lightning. Chapter three deals with coaxial cable and connectors.

The book changes focus with the fourth chapter which is entitled Rules and Guidelines, and covers subjects like the radio spectrum, frequency spacing, false frequencies such as birdies and images, simplex/duplex transmissions, repeaters, narrow and wide-band and the differences between AM and FM. Chapter five is devoted to scanning legalties, including the Electronic Communications Protection Act of 1986 and state laws that govern scanning radios.

The final chapters covers popular monitoring targets such as amateur radio, baby monitors, business communications, news media, railroad, fast food (no kidding!), aircraft, cordless microphones and telephones, fire, Medivac, military, ship-to-shore, police and Federal law enforcement, outer space and sports teams. There's even a section on monitoring the President.
The chapter on frequency listings contains a wealth of frequencies for the novice to explore, and tips and advice on how to search. There's a section on computers and scanning, clubs and magazines with a detailed listing of addresses and contacts. The book concludes with a question and answer section and an index.

I was impressed by the amount of good information packed into 150 pages and would not hesitate to recommend this book to anyone who has become interested in monitoring the VHF and UHF radio spectrum or has just received or purchased a scanning radio. I only wish TUNING IN TO R.F. SCANNING had

been available when I first became interested in scanners It would have
saved me a lot of time.

Michael Crestohl KH6KD/W1

From 1722006871224446517
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10aec3,2fb3e2fc1eadb213,start
X-Google-Attributes: gid10aec3,public
X-Google-Thread: 10c9e3,2fb3e2fc1eadb213,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1994-10-25 08:20:45 PST
Path: bga.com!news.sprintlink.net!howland.reston.ans.net!europa.eng.gtefsd.com!newsxfer.itd.umich.edu!jobone!fiesta.srl.ford.com!slee01!jdunbar
From: jdunbar@slee01.srl.ford.com (Jon Dunbar)
Newsgroups: rec.ham-radio,rec.models.rockets
Subject: Looking for the Owner of Ravenna
Date: 25 Oct 1994 14:57:19 GMT
Organization: Ford Motor Co., Scientific Research Laboratories
Lines: 6
Distribution: world
Message-ID: <38j6cf$sec@fiesta.srl.ford.com>
NNTP-Posting-Host: slee01.srl.ford.com

Hello, Can anyone tell me how to get in touch with the owner of Revenna?
He is a Radio Ham operator, and also makes rocket motors. He and his
wife are Hams. I think they live in the Illonois area. Thanx

Jon

From 8114143413091074363
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f4e7d,af546b9aed99d5ca,start
X-Google-Attributes: gidf4e7d,public
X-Google-Thread: 10c9e3,af546b9aed99d5ca,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,af546b9aed99d5ca,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 1109af,af546b9aed99d5ca,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1009ad,af546b9aed99d5ca,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 100afe,af546b9aed99d5ca,start
X-Google-Attributes: gid100afe,public
X-Google-Thread: 107ada,af546b9aed99d5ca,start
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1994-12-17 20:26:37 PST
Path: bga.com!news.sprintlink.net!hookup!news.mathworks.com!noc.near.net!chaos.dac.neu.edu!not-for-mail
From: tkeller@lynx.dac.neu.edu (Tim Keller)

Newsgroups:
mit.bboard,ne.forsale,alt.radio.scanner,rec.radio.amateur.equipment,rec.radio.swap
,rec.radio.amateur.misc,rec.ham-radio
Subject: For Sale: ICOM 2SRA, RS PRO-37
Followup-To: poster
Date: 17 Dec 1994 23:17:48 -0500
Organization: none
Lines: 28
Distribution: ne
Message-ID: <3d0d5c$8ph@lynx.dac.neu.edu>
NNTP-Posting-Host: lynx.dac.neu.edu
Xref: bga.com mit.bboard:2728 ne.forsale:13145 alt.radio.scanner:5877
rec.radio.amateur.equipment:7021 rec.radio.swap:9518 rec.radio.amateur.misc:20521

I'd much prefer to sell these locally, to avoid hassles & delays from mailing the items. Local means Boston area.

For Sale:

1) Icom IC-2SRA handheld transceiver $400
    - receives 25-950 MHz
    - includes cellular range (unmodded)
    - transmits 2 meter band (140-150 MHz)
    - transmit strength .5, 1.5, 3.5, 5 W
    - AM/FM/WFM bands
    - 63 memory locations
    - 9 hour continuous use (scan mode) battery
    - includes manual, schematics
    - AC adapter (standard type) not included

2) Radio Shack Pro-37 handheld scanner $150
    - receives 30-54, 108-174, 380-512, 806-823, 851-960 MHz
    - includes cellular range (modded)
    - 200 memory locations
    - takes 6 AA batteries, built-in recharger
    - includes manual
    - AC adapter (standard type) not included

E-mail me with a phone number if you're interested in either one.

-tdk

From 8361942705653074580
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b93221b818256c90,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,b93221b818256c90,start
X-Google-Attributes: gidfa029,public
X-Google-Thread: 107ada,b93221b818256c90,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 105d97,b93221b818256c90,start

X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1995-02-08 15:04:31 PST
Newsgroups: rec.ham-radio,rec.radio.amateur.misc,rec.radio.scanner,sci.electronics
Path: swrinde!gatech!udel!news.mathworks.com!uunet!timbuk.cray.com!driftwood.cray.com!jbadger
From: jbadger@poplar110.cray.com (Jon Badger)
Subject: VHF-FM uTrans Schematics?
Message-ID: <1995Feb8.160626.7031@driftwood.cray.com>
Originator: jbadger@poplar110
Keywords:
rec.ham-radio, sci.electronics
Lines: 11
Sender: jbadger@poplar110 (Jon Badger)
Nntp-Posting-Host: poplar110
Organization: Cray Research, Inc.
Date: 8 Feb 95 16:06:26 CST
Xref: swrinde rec.radio.amateur.misc:75958 rec.radio.scanner:21648 sci.electronics:119687

Would anyone happen to have a schematic for a low power VHF-FM micro transmitter? (Or know of a web/ftp site where I could find one?)

Thanks-in-advance.

```
--
   _/_/_/_/_/  _/_/_/    _/    _/   Jon Badger - jbadger@sdiv.cray.com
      _/     _/    _/   _/_/  _/    CRAY Research, Inc.
 _/  _/     _/    _/   _/  _/_/     655F Lone Oak Drive
 _/_/       _/_/_/    _/    _/      Eagan, MN 55121 (612)-683-5063
```

From 2869865997963519634
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b93221b818256c90
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,b93221b818256c90
X-Google-Attributes: gid107ada,public
X-Google-Thread: 105d97,b93221b818256c90
X-Google-Attributes: gid105d97,public
X-Google-Thread: fa029,b93221b818256c90
X-Google-Attributes: gidfa029,public
X-Google-ArrivalTime: 1995-02-16 08:16:23 PST
Path: nntp.gmd.de!newsserver.jvnc.net!nntpserver.pppl.gov!princeton!udel!news.mathworks.com!news.alpha.net!uwm.edu!math.ohio-state.edu!jussieu.fr!oleane!pipex!warwick!news.ncl.ac.uk!eata!nrs3
From: Robert Scott <Robert.Scott@ncl.ac.uk>
Newsgroups: rec.ham-radio,rec.radio.amateur.misc,rec.radio.scanner,sci.electronics
Subject: Re: VHF-FM uTrans Schematics?
Followup-To: rec.ham-radio,rec.radio.amateur.misc,rec.radio.scanner,sci.electronics
Date: 16 Feb 1995 16:16:23 GMT
Organization: University of Newcastle upon Tyne

Lines: 11
Message-ID: <3hvton$5qh@whitbeck.ncl.ac.uk>
References: <1995Feb8.160626.7031@driftwood.cray.com>
NNTP-Posting-Host: eata.ncl.ac.uk
X-Newsreader: TIN [version 1.2 PL2]
Xref: nntp.gmd.de rec.radio.amateur.misc:59684 rec.radio.scanner:20166
sci.electronics:87682

Jon Badger (jbadger@poplar110.cray.com) wrote:

> Would anyone happen to have a schematic for a low power VHF-FM micro
> transmitter? (Or know of a web/ftp site where I could find one?)

> Thanks-in-advance.

I have a few - how small, how low power, stereo? bug?

Rob.

From 4120617894215648226
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b93221b818256c90
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,b93221b818256c90
X-Google-Attributes: gid107ada,public
X-Google-Thread: 105d97,b93221b818256c90
X-Google-Attributes: gid105d97,public
X-Google-Thread: fa029,b93221b818256c90
X-Google-Attributes: gidfa029,public
X-Google-ArrivalTime: 1995-02-20 22:33:29 PST
Path: nntp.gmd.de!stern.fokus.gmd.de!ceres.fokus.gmd.de!zib-berlin.de!
news.mathworks.com!news.alpha.net!uwm.edu!lll-winken.llnl.gov!uop!pacbell.com!
ohlone.kn.pacbell.com!jlundgre
From: jlundgre@news.kn.PacBell.COM (John Lundgren)
Newsgroups: rec.ham-radio,rec.radio.amateur.misc,rec.radio.scanner,sci.electronics
Subject: Re: VHF-FM uTrans Schematics?
Followup-To: rec.ham-radio,rec.radio.amateur.misc,rec.radio.scanner,sci.electronics
Date: 21 Feb 1995 04:38:00 GMT
Organization: Pacific Bell Knowledge Network
Lines: 26
Message-ID: <3ibqn8$iiu@ohlone.kn.pacbell.com>
References: <1995Feb8.160626.7031@driftwood.cray.com>
NNTP-Posting-Host: 192.216.139.46
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
X-Newsreader: TIN [version 1.2 PL2]
Xref: nntp.gmd.de rec.radio.amateur.misc:59777 rec.radio.scanner:20247
sci.electronics:87944

Try dg-rtp.dg.com /FM-10 directory. Hang out on the alt.radio.pirate newsgroup for more info and FTP sites.

Jon Badger (jbadger@poplar110.cray.com) wrote:

: Would anyone happen to have a schematic for a low power VHF-FM micro
: transmitter? (Or know of a web/ftp site where I could find one?)

: Thanks-in-advance.

```
: --
:    _/_/_/_/_/  _/_/_/    _/    _/   Jon Badger - jbadger@sdiv.cray.com
:       _/     _/    _/   _/_/  _/    CRAY Research, Inc.
:  _/  _/     _/    _/   _/  _/_/     655F Lone Oak Drive
:  _/_/       _/_/_/    _/    _/      Eagan, MN 55121 (612)-683-5063
```

```
--
=====================================================================
|     John Lundgren - Elec Tech - Info Tech Svcs        | Standard  |
|     Rancho Santiago Community College District        | disclaim- |
|     17th St. at Bristol \ Santa Ana, CA 92706         | ers apply.|
| jlundgre@pop.rancho.cc.ca.us\jlundgre@kn.pacbell.com  |           |
| "He who toys with the most dies, wins."- Dr Kevorkian?|           |
=====================================================================
```

```
From 4950476775188786332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a53908fca3e288b9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a53908fca3e288b9,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 14b9b3,a53908fca3e288b9,start
X-Google-Attributes: gid14b9b3,public
X-Google-Thread: 107ada,a53908fca3e288b9,start
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X-Google-Thread: fa656,a53908fca3e288b9,start
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X-Google-Thread: 1113b0,a53908fca3e288b9,start
X-Google-Attributes: gid1113b0,public
X-Google-Thread: 10c2ee,a53908fca3e288b9,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: f76e2,a53908fca3e288b9,start
X-Google-Attributes: gidf76e2,public
From: jlovett@user1.channel1.com (john lovett)
Subject: For Sale - QST Magazines
Date: 1995/04/24
Message-ID: <3ng8mc$rf5@news1.channel1.com>#1/1
X-Deja-AN: 101426875
organization: user1.channel1.com
newsgroups: rec.antiques.radio+phono,rec.ham-radio,rec.ham-
```

radio.swap,rec.radio.amateur,rec.radio-amateur.digital.misc,rec.radio.amateur.misc,rec.radio.shortwave,rec.arts.books.marketplace

QST magazines from the 1920's. Flaking on spines and a few loose pages. Otherwise in good condition. $10.00 each plus postage.

Some of the Articles

January		1925 Governor's-President Relay, WWV and 6xBM Schedules, Super DX, Three Cups Offered For Short Wave Work, The Neutrodyne C.W. tuner at 9ZT, A Nationwide Fading Test
February		1925 The McCan Anti-Static Devices, Have You Heard KFUH?, Official Wavelength Stations, Calls Heard
April		1925 Movies!, Oliver Heaviside, A Reliable 3 to 5 Meter Sending Set, The Regenaformer, The Eclipse Tests
June	1925	International Amateur Radio Union Formed!, The Radiodyne Receiver, Adjusting the Transmitter
July	1925	Television Arrives, Short Wave Communications with WNP The Radio Equipment of the Navy-MacMillan Arctic Expedition
September by	1925	Reviewing the Receiver, Locating "Power Leaks" Radio A 360 degree Vernier Dial
October		1926 Covering All Wavelengths, Cheap Measuring Instruments, Aurora and Its Effect upon Radio Signals

From 2077458691425910350
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e73509394ec1a4bd,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f42c7,e73509394ec1a4bd,start
X-Google-Attributes: gidf42c7,public
X-Google-Thread: 10e835,e73509394ec1a4bd,start
X-Google-Attributes: gid10e835,public
From: troy@mcs.com
Subject: Get Your Ham Ticket at the Ham Exam Cram

```
Date: 1995/04/25
Message-ID: <3nirav$6pk@News1.mcs.com>#1/1
X-Deja-AN: 101524042
distribution: chi
followup-to: chi.general
organization: MCSNet Services
keywords: ham license
reply-to: troy@mcs.com
newsgroups: chi.general,mcs.general,rec.ham-radio
```

No Code Amateur Radio License Class
Ham Exam Cram
at
Harper College

With the new FCC No Code Technician Class License, you can participate in Amateur Radio with full privileges at all frequencies above 50 Mhz. This includes repeaters, all of the new digital modes, HAM satellites, and RACES (Radio Amateur Civil Emergency Service.)

As a public service the Electronics Department at Harper College and the Northrop Grumman Amateur Radio Club will hold a one day "HAM EXAM CRAM" course on Saturday May 6 1995. This course is geared to provide you with everything you need to pass the FCC exam. It will make no attempt to go beyond the minimum required by the FCC, hence if you study the 4 pages provided before taking this class, you may obtain your FCC No Code Technician License in one day.

Class starts at 8:30 a.m., a lunch break is scheduled from 11:30 to 12:30, and the exam follows at 4:00 p.m. The fee for the course including the exam is $20.00. Call 708-925-6996 for more information and registration instructions. When you have registered you will receive the four-page handout by return mail. It is NOT recommended that you attempt the FCC exam without advanced study, at least of this review handout. The exam covers basic electrical and radio principles and applicable FCC rules and regulations. The latter are most frequently the stumbling block for those who don't succeed on the exam.

Please copy this notice and post it where it may receive the maximum exposure. We hope to build this program so that it may be run on a regular basis.

Call 708 925-6996 to register.

[I am passing this notice on as it requests... I know nothing more than what is already in this notice. Call the number above or email gdorner@harper.cc.il.us for more information. - Troy]

R. Troy Monaghen "Blessed is the man who finds wisdom, the man who gains
troy@mcs.com understanding, for she is more profitable than silver
and yields better returns than gold." Proverbs 3:13

From -2800700630947667256
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5037afa75ccc4094,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 14b9b3,5037afa75ccc4094,start
X-Google-Attributes: gid14b9b3,public
X-Google-Thread: 114aac,5037afa75ccc4094,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 107ada,5037afa75ccc4094,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,5037afa75ccc4094,start
X-Google-Attributes: gidfa656,public
X-Google-Thread: 1113b0,5037afa75ccc4094,start
X-Google-Attributes: gid1113b0,public
X-Google-Thread: 10c2ee,5037afa75ccc4094,start
X-Google-Attributes: gid10c2ee,public
X-Google-Thread: f76e2,5037afa75ccc4094,start
X-Google-Attributes: gidf76e2,public
From: jlovett@user1.channel1.com (john lovett)
Subject: For Sale - QST Magazines 1920s
Date: 1995/05/13
Message-ID: <3p291a$gk8@news1.channel1.com>#1/1
X-Deja-AN: 102538933
organization: user1.channel1.com
newsgroups: rec.antiques.radio+phono,rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur,rec.radio-amateur.digital.misc,rec.radio.amateur.misc,rec.radio.shortwave,rec.arts.books.marketplace

QST magazines from the 1920's. Flaking on spines and a few loose
pages. Otherwise in good condition. $10.00 each plus postage.

Some of the Articles

January 1924 Transatlantic Amateur Communication Accomplished
New World's Relay Records
New Zealand Bedlam of Yankee Signals

March 1924 WWV At hOME
Transatlantic Tests Report
Did You Serve in Radio During the War?

May 1924 The Navy's Work on Short Waves
The Eastward Voyage of the Tahiti
A Sixty-Foot Featherweight Mast
Daylight Transcon at Last

July	1924	Building Superheterodynes That Work The Royal Order of Transatlantic Brasspounders
September	1924	Working at 20, 40, and 80 Meters How to Change Your Neutrodyne for 100-Meter Reception
October	1924	Short Wave Daylight Transcoms Working at 5 Meters 1XAM Copied Solid in Australasia Super-Regeneration and Short Waves
November	1924	The One-control superheterodyne Communication with New Zealand The "Bowdoin" Returns My Radio Experiences in the Far North
December	1924	Antipodes Linked by Amateur Radio A Set that Works from 40 to 200 Meters
November	1926	General Electric Short-Wave Test Results A Sensitive Vacuum tube Relay Cage Antenna Hoops

---

From -6170466191942609314
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bfe3befa802654d2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,bfe3befa802654d2,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 105d97,bfe3befa802654d2,start
X-Google-Attributes: gid105d97,public
From: hyx1@ciao.cc.columbia.edu (Harry Y Xu)
Subject: Help: 2m HT jams TV
Date: 1995/05/31
Message-ID: <3qgqvg$s58@apakabar.cc.columbia.edu>#1/1
X-Deja-AN: 103452275
sender: Harry Xu (AA2NO)
organization: Columbia University
newsgroups: rec.radio.amateur.misc,sci.electronics,rec.ham-radio

A friend bought the 2 meter (145 MHz) handheld transceiver (HT) from Radio Shack. This HT has the problem of jamming the TV when he transmits full power with a 5/8 wave vertical antenna. I suggested adding a filter to the TV. But it didn't work. I would appreciate any help and suggestion in solving this problem?

Btw, I tried transmitting with my Icom 2GAT (7 watts) with different antennas right next to my TV with no bad affected. I guess Icom is just good with harmonic suppression.

Cheers & 73, Harry/AA2NO
hyx1@columbia.edu

From 7956705753364299744
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,69bd9eb704996816,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c349,69bd9eb704996816,start
X-Google-Attributes: gid10c349,public
X-Google-Thread: 100110,69bd9eb704996816,start
X-Google-Attributes: gid100110,public
X-Google-Thread: f4b49,69bd9eb704996816,start
X-Google-Attributes: gidf4b49,public
X-Google-Thread: fddbf,69bd9eb704996816,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 105d97,69bd9eb704996816,start
X-Google-Attributes: gid105d97,public
X-Google-Thread: 103407,69bd9eb704996816,start
X-Google-Attributes: gid103407,public
From: peterh@adacel.com.au (Peter Homann)
Subject: [WANTED] 5KHz LC oscillation circuit.
Date: 1995/06/19
Message-ID: <peterh.803527312@server>#1/1
X-Deja-AN: 104608542
organization: Adacel Pty Ltd, Melbourne, Australia
keywords: rf,audio,electronics
newsgroups: sci.electronics,aus.electronics,comp.robotics,aus.radio,aus.radio.packet,rec.ham-radio,rec.ham-radio.packet
summary: Wanted. A design for a 5KHz LC ocsillation circuit.

Hi,

I'm after a design for a 5KHz antenna circuit, consisting of an inductor and capacitor set up as a tank oscillation circuit. I need it to detect a 5KHz signal. I then want to feed this into an op-amp.

I figure the inductor would be wound on an air core former of about 5mm diameter.

I'm not too good on antenna design so the above may not be the best approach. I need to make the antenna as small as possible.

It is best if you email me directly as I don't have access to all of the groups I've posted to. I'll post a summary of the responses.

Thanks in advance,

Peter.

```
--
----------------------------------------------------------------------
Peter Homann                                 email: peterh@adacel.com.au
Adacel Pty Ltd                               Work : (03) 596-2991
250 Bay St, Brighton 3186, VIC, AUSTRALIA   Fax  : (03) 596-2960
```

From 3359595736186981780
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f122229666c0736,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9911,4f122229666c0736,start
X-Google-Attributes: gidf9911,public
X-Google-Thread: 114aac,4f122229666c0736,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10657e,4f122229666c0736,start
X-Google-Attributes: gid10657e,public
From: bobla@comm.mot.com (Bob Lay)
Subject: SW radios and misc electronics
Date: 1995/07/10
Message-ID: <1995Jul10.150638.26634@lmpsbbs.comm.mot.com>#1/1
X-Deja-AN: 105952618
sender: news@lmpsbbs.comm.mot.com (LMPSBBS News Account)
organization: Motorola Land Mobile Products Sector
newsgroups: chi.forsale,wi.forsale,rec.radio.shortwave,rec.ham-radio

Radio/Electronics stuff for sale.

Hallicrafters SX-111 Ham Band SW radio for sale. All tube design.
Good condition. $60 firm.

2 Hallicrafters SX-100 radios. Low end general coverage SW radios.
All tube design. $30 for the pair.

1 old tabletop FM radio. Needs filter cap or rectifier tube as the
audio has a loud 60 hz buzz. Very unique cabinet design. Red Plastic,
Emerson. $30 firm. Very Good condition.

1 old tabletop AM radio. Needs tuner string rerun. Works fine.
Unique cabinet design. I believe bakelight. $20.

Large number of tubes in boxes. Approx. 200+. $100. Many common such
as 6au6, 12ax7, etc as well as oddballs.

HP power supply. Model 6246 0-20v, 0-20A. Does not adjust below 10V.
$50.

0-450V DC power supply. Good condition, works perfect. Do not remember
the brand off hand but if interested call and I will look it up.

Tek 3a6 vertical sweep plug in. $12.

Please respond via return email or call 708-931-4880. All items
are cash and carry, and are located in Elgin, Illinois.

From -7527705346352516
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f557d,f71ce7fe21505122,start
X-Google-Attributes: gidf557d,public
X-Google-Thread: 10c9e3,f71ce7fe21505122,start
X-Google-Attributes: gid10c9e3,public
From: H Campbell <HCAMPBEL@vma.cc.nd.edu>
Subject: Looking for license information for W9EPT
Date: 1995/08/08
Message-ID: <95220.142338HCAMPBEL@vma.cc.nd.edu>#1/1
X-Deja-AN: 107789650
organization: University of Notre Dame
newsgroups: in.ham-radio,rec.ham-radio

Don Smith, W9EPT, died yesterday and I have been asked to try and locate information about his ham license. I have been able to find current information on several web pages, but have been unable to find the date his license was first issued. Any one out there who can help? Thanks.

-- H Campbell

H Gregory Campbell | hcampbel@vma.cc.nd.edu
Systems Programmer | hcampbel@irishvma
Univ. of Notre Dame |
Notre Dame, Indiana, USA | (219) 631-5600

From -8625538056589445832
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4a42059ea673e24,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 115063,c64e4b7d3cc16c2d
X-Google-Attributes: gid115063,public
X-Google-ArrivalTime: 1993-05-08 10:16:47 PST
Newsgroups: rec.nude,rec.ham-radio
Path: gmd.de!ira.uka.de!sol.ctr.columbia.edu!news.columbia.edu!
cunixf.cc.columbia.edu!gp
From: gp@cunixf.cc.columbia.edu (Gerald Pulver)
Subject: Re: Nude Amateur Radio
Message-ID: <1993May8.162438.27709@news.columbia.edu>
Followup-To: rec.nude
Sender: usenet@news.columbia.edu (The Network News)
Nntp-Posting-Host: cunixf.cc.columbia.edu

Reply-To: gp@cunixf.cc.columbia.edu (Gerald Pulver)
Organization: Columbia University
References: <1sbuai$3b7@network.ucsd.edu> <1993May7.130203.287@megatek.com>
Date: Sat, 8 May 1993 16:24:38 GMT
Lines: 20

In article <1993May7.130203.287@megatek.com> jimc@megatek.com writes:

>
>
> CQ all hams....
>
> Those of you who can operate 20m phone, let's see what's happening on
> 14.265 +/- at 7PM PDT on May 13th.
> ...
> Those of you (hams) without 20m access shall be left out to twist in
> the cold wind. (nude, of course :^)
> ...
>

Never did get my general licence. I've been waiting these past 20 years for old
style techs like myself to be grandfathered in with the generals. Hmm.. maybe
I should start a NYC naturist net on VHF or UHF? Nahh... it would probably be
an awfully quiet net.
73,
WB2RSI

From -6575407562204975729
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4934c1117371c3f9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,4934c1117371c3f9,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 105d97,4934c1117371c3f9,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1993-05-12 09:48:01 PST
Xref: gmd.de rec.radio.amateur.misc:25426 sci.electronics:25117
Newsgroups: rec.ham-radio,rec.radio.amateur.misc,sci.electronics
Path: gmd.de!newsserver.jvnc.net!howland.reston.ans.net!zaphod.mps.ohio-state.edu!
cs.utexas.edu!uunet!nih-csl!postman
From: arm@helix.nih.gov (Andrew Mitz)
Subject: Looking for bandpass filters for 140-150MHz
Message-ID: <1993May12.163439.19171@alw.nih.gov>
Followup-To: rec.radio.amateur.misc
Keywords: bandpass filters helical resonators
Sender: arm@helix.nih.gov
Organization: National Institutes of Health, Bethesda
Date: Wed, 12 May 1993 16:34:39 GMT
Lines: 24

My goal is to reduce interference (intermodulation, etc.) from
signal sources outside the radio frequency band of my receiver.

My receiver works in the 140-150 MHz range. What sorts of commercial bandpass filters are available? What kind of selectivity can I expect? What kind of loss? Are the filters already set up for the 50 ohm input of my receiver/coax, or will I have to impedance match? Is impedance matching necessary?

Please avoid answers like: 1) you can use a cavity (I know that), 2) you can use an inductor and a capacitor (yea), 3) you can use a helical resonator (uh, huh). Answers like:" Toko Hi-power makes helical resonators..." might be of some use, but only a little. Rather, I am looking for specific details on parts, applications notes, and actual experience in using such a device.

For all who respond thoughtfully: thanks.

```
--
----------------------------------------------------------------------
Andrew Mitz          |    NIH Animal Center  | Opinions are mine alone |
Biomedical Engineer  |    Poolesville, MD    | arm@helix.nih.gov       |
----------------------------------------------------------------------
```

From -1498766227554018640
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5b7de1e6dcee0bae,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,5b7de1e6dcee0bae,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 109c0d,5b7de1e6dcee0bae,start
X-Google-Attributes: gid109c0d,public
X-Google-ArrivalTime: 1993-05-16 15:21:43 PST
Xref: gmd.de misc.forsale:33243 rec.radio.swap:4160
Newsgroups: misc.forsale,rec.ham-radio,rec.radio.swap
Path: gmd.de!ira.uka.de!howland.reston.ans.net!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!news.kei.com!newsstand.cit.cornell.edu!piccolo.cit.cornell.edu!crux2!smh1
From: smh1@crux2.cit.cornell.edu (Who me?)
Subject: FORSALE: Icom IC-735 HF Tranceiver
Message-ID: <smh1.737590022@crux1.cit.cornell.edu>
Sender: usenet@piccolo.cit.cornell.edu (NNTP Connect)
Nntp-Posting-Host: crux2.cit.cornell.edu
Organization: Cornell University
Date: 16 May 93 22:07:02 GMT
Lines: 68

I have for sale or trade a just-under year old ICOM IC-735. It has had VERY VERY little use -- I'd safely say it was under 10 hours TOTAL usage time. It is in new condition, not a scratch! Comes with original boxes, manuals, everything! Just plug into a power supply and let it rip.

It features:

- Compact Size
- All band
  Every amateur band from 160 meters to 10 meters FM. Also covers the CB band (11 meters).

- All mode
  Handles Upper Side band, Lower Side Band, AM, FM, RTTY, AMTOR, SSTV, CW, etc.. you name it, it handles it.

- Fully solid state
- General Coverage Receiver covers from 100kHz to 30Mhz continuously.

- 105dB Dynamic Range on RX
- ICOM's Direct Feed Mixer (DFM)
- Pass-Band Tuning
- Notch Filter
- Pre-Amp Included
- Attenuator Included
- Rotary dial digital tuning
- 4 scanning modes
- 12 frequency/range memories
- Easy to read LCD backlit display
- Dual VFO's
- 100% Duty Cycle at 100 watts!
- Advanced cooling system provided
  It has a multi-speed internal fan that automatically changes speed according to internal temperature. In other words, it regulates internal temperature quietly, and efficiently for optimal component life span.

- Advanced Remote Control System
  With a computer, you can control just about every aspect of the rig with the included CI-V interface.

- Rated at 100 watts on all modes, however easily can achieve 125 watts.

I a selling it because I am going to be in a college dorm next year. As we all know, HF gear is taboo. I purchased it mid last year for $950.00. Since it is in excellent condition, and has seen very little use, I would like to sell it for $725.00 or best offer. I'll pay shipping to anywhere in the US.

See the next posts for some other ham gear that I
have for sale. I will be willing to give a discount to
some one who wants multiple items.

Thanks,
Seenu
(smh1@crux1.cit.cornell.edu)

From 8395026351881962256
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5b7de1e6dcee0bae
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,5b7de1e6dcee0bae
X-Google-Attributes: gid1109af,public
X-Google-Thread: 109c0d,5b7de1e6dcee0bae
X-Google-Attributes: gid109c0d,public
X-Google-ArrivalTime: 1993-05-17 20:17:38 PST
Xref: gmd.de misc.forsale:33380 rec.radio.swap:4180
Newsgroups: misc.forsale,rec.ham-radio,rec.radio.swap
Path: gmd.de!newsserver.jvnc.net!howland.reston.ans.net!usc!cs.utexas.edu!convex!news.utdallas.edu!aicklen
From: aicklen@utdallas.edu (Greg Aicklen)
Subject: Re: FORSALE: Icom IC-735 HF Tranceiver
Message-ID: <C77Csp.JwF@utdallas.edu>
Sender: usenet@utdallas.edu
Nntp-Posting-Host: newcastle.utdallas.edu
Organization: Univ. of Texas at Dallas
References: <smh1.737590022@crux1.cit.cornell.edu>
Date: Tue, 18 May 1993 03:10:00 GMT
Lines: 20

In article <smh1.737590022@crux1.cit.cornell.edu> smh1@crux2.cit.cornell.edu (Who me?) writes:
>I have for sale or trade a just-under year old ICOM
>
     ... deletions ...
>
>I a selling it because I am going to be in a college
>dorm next year. As we all know, HF gear is taboo. I

     ... deletions ...
>
>Thanks,
>Seenu
>(smh1@crux1.cit.cornell.edu)

Why is HF gear taboo? One of my classmates worked 10m HF from his 6th floor
room with no hitches (late seventies, Tulane Univ). Are administrators
causing a ruckus these days?

Greg (KA5OFW)
aicklen@utdallas.edu

From 402449927403528859
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5b7de1e6dcee0bae
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,5b7de1e6dcee0bae
X-Google-Attributes: gid1109af,public
X-Google-Thread: 109c0d,5b7de1e6dcee0bae
X-Google-Attributes: gid109c0d,public
X-Google-ArrivalTime: 1993-05-18 05:21:21 PST
Xref: gmd.de misc.forsale:33405 rec.radio.swap:4184
Newsgroups: misc.forsale,rec.ham-radio,rec.radio.swap
Path: gmd.de!newsserver.jvnc.net!darwin.sura.net!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!news.kei.com!newsstand.cit.cornell.edu!
piccolo.cit.cornell.edu!crux2!smh1
From: smh1@crux2.cit.cornell.edu (Who me?)
Subject: Re: FORSALE: Icom IC-735 HF Tranceiver
Message-ID: <smh1.737725983@crux1.cit.cornell.edu>
Sender: usenet@piccolo.cit.cornell.edu (NNTP Connect)
Nntp-Posting-Host: crux2.cit.cornell.edu
Organization: Cornell University
References: <smh1.737590022@crux1.cit.cornell.edu> <C77Csp.JwF@utdallas.edu>
Date: 18 May 93 11:53:03 GMT
Lines: 28

At cornell they are afraid that the RF will interfere with their computers, tv's, etc.. I
think that I could get away with an HT, and thta is about it.

Thanks,
Seenu

aicklen@utdallas.edu (Greg Aicklen) writes:

>In article <smh1.737590022@crux1.cit.cornell.edu> smh1@crux2.cit.cornell.edu (Who me?) writes:
>>I have for sale or trade a just-under year old ICOM
>>
>   ... deletions ...
>>
>>I a selling it because I am going to be in a college
>>dorm next year. As we all know, HF gear is taboo. I

>   ... deletions ...
>>
>>Thanks,
>>Seenu
>>(smh1@crux1.cit.cornell.edu)

>Why is HF gear taboo? One of my classmates worked 10m HF from his 6th floor

>room with no hitches (late seventies, Tulane Univ). Are administrators
>causing a ruckus these days?

>Greg (KA5OFW)
>aicklen@utdallas.edu

From 919055820155199647
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f9668dd0f7a5a3e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,4f9668dd0f7a5a3e,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10fbd1,4f9668dd0f7a5a3e,start
X-Google-Attributes: gid10fbd1,public
X-Google-ArrivalTime: 1993-06-03 10:25:39 PST
Newsgroups: rec.radio.amateur.packet,rec.ham-radio,rec.ham-radio.packet
Path: gmd.de!Germany.EU.net!mcsun!uknet!zaphod.axion.bt.co.uk!bnr.co.uk!bnrgate!
nott!torn!howland.reston.ans.net!math.ohio-state.edu!cs.utexas.edu!asuvax!chnews!
ornews.intel.com!percy!agora!george
From: george@agora.rain.com (George Rachor)
Subject: Is Mir still on the air
Message-ID: <C81zHt.sr@agora.rain.com>
Organization: Open Communications Forum
Date: Thu, 3 Jun 1993 16:08:13 GMT
Lines: 9

For about the last two weeks I've been listening for Mir without sucess.

Does anyone know the status of the amateur radio abord the space station?

--
George Rachor Jr. Aloha, OR

From 2374634917217739606
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f9668dd0f7a5a3e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10fbd1,4f9668dd0f7a5a3e
X-Google-Attributes: gid10fbd1,public
X-Google-Thread: fddbf,4f9668dd0f7a5a3e
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1993-06-09 20:02:53 PST
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.radio.amateur.packet
Path: gmd.de!xlink.net!howland.reston.ans.net!darwin.sura.net!sgiblab!rtech!
ingres!jpk
From: jpk@Ingres.COM (Jon Krueger)
Subject: internet->packet email gateway?
Message-ID: <1993Jun10.024601.10114@pony.Ingres.COM>

Lines: 7
Reply-To: jpk@Ingres.COM (Jon Krueger)
Organization: Ingres Corporation, a subsidiary of The ASK Group, Inc.
References: <C81zHt.sr@agora.rain.com>
Date: 10 Jun 93 02:46:01 GMT

Is there a gateway that forwards email between the Internet and
packet radio? If so, what's the mail address syntax? Thanks.

-- Jon

--
Jon Krueger jpk@ingres.com

From 5677890498681484971
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f9668dd0f7a5a3e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10fbd1,4f9668dd0f7a5a3e
X-Google-Attributes: gid10fbd1,public
X-Google-Thread: fddbf,4f9668dd0f7a5a3e
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1993-06-10 07:04:53 PST
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.radio.amateur.packet
Path: gmd.de!xlink.net!howland.reston.ans.net!usc!elroy.jpl.nasa.gov!decwrl!csus.edu!netcom.com!n6wbl
From: n6wbl@netcom.com (Jason Turning)
Subject: Re: internet->packet email gateway?
Message-ID: <n6wblC8ErwC.5Eo@netcom.com>
Followup-To: rec.ham-radio,rec.ham-radio.packet,rec.radio.amateur.packet
Organization: NETCOM On-line Communication Services (408 241-9760 guest)
X-Newsreader: TIN [version 1.1 PL8]
References: <1993Jun10.024601.10114@pony.Ingres.COM>
Date: Thu, 10 Jun 1993 13:53:00 GMT
Lines: 63

Jon Krueger (jpk@Ingres.COM) wrote:
: Is there a gateway that forwards email between the Internet and
: packet radio? If so, what's the mail address syntax? Thanks.

Here's one I saw earlier:

How to Use the WB7TPY
Packet <-> Internet Gateway

First, some brief operational notes:

(1) Messages must not contain any foul language, or commercial purpose.
(2) Messages can only be sent to countries that the United States has a third-party agreement. All others will be destroyed.
(3) Messages from the internet should be less then 5K in length.

No files should be sent.

(4) If you have questions, please do not hesitate to contact me either on
packet radio: WB7TPY@WB7TPY.AZ.USA.NA -or-
Internet : david@stat.com -or-
Fidonet : David Dodell @ 1:114/15

(5) Have fun. Use the gateway as much as you like. That is what it is there for.

From Internet to Packet

Send mail to the internet address of:

gate@wb7tpy.ampr.org

The first line of text must contain a full packet address, preceded with the word "Packet:"

For example, mail to my packet address, would have the first line of text;

Packet: wb7tpy@wb7tpy.az.usa.na

From Packet to Internet

Send as private mail (never a bulletin) to the packet address of:

gate@wb7tpy.az.usa.na

The first line of text must contain a full domained internet address, proceeded with the word "Internet:"

For example, mail to my internet address, would have the first line of text;

Internet: david@stat.com

-----
73's De Jason Turning N6WBL
Internet : jturning@netcom.com
AX.25 Packet: N6WBL@KD6XZ.#NOCAL.CA.USA.NA
AmprNet : n6wbl%n6wbl@sosac (44.2.0.64)

From -4285456934366633268
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f9668dd0f7a5a3e
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 10fbd1,4f9668dd0f7a5a3e
X-Google-Attributes: gid10fbd1,public
X-Google-Thread: fddbf,4f9668dd0f7a5a3e
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1993-06-10 20:26:13 PST
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.radio.amateur.packet
Path: gmd.de!xlink.net!howland.reston.ans.net!wupost!decwrl!decwrl!csus.edu!netcom.com!topolski
From: topolski@netcom.com (Robert M. Topolski)
Subject: Re: internet->packet email gateway?
Message-ID: <topolskiC8FsK4.CpG@netcom.com>
Followup-To: rec.ham-radio,rec.ham-radio.packet,rec.radio.amateur.packet
Organization: NETCOM On-line Communication Services (408 241-9760 guest)
X-Newsreader: TIN [version 1.1 PL8]
References: <1993Jun10.024601.10114@pony.Ingres.COM>
Date: Fri, 11 Jun 1993 03:04:52 GMT
Lines: 288

Jon Krueger (jpk@Ingres.COM) wrote:
: Is there a gateway that forwards email between the Internet and
: packet radio? If so, what's the mail address syntax? Thanks.

I use the n0ary gate and BBS. Not only can you send email but you can also participate in bulletins or any other BBS function. It is really cool. Here is the whole file ... the author's address is at the end.

----------------(cut here)---------------

There is an error in the "73" magazine article. If you are an internet only user the action of registering you automatically enables email forwarding. You do not need to perform the "Enabling" step.

N0ARY/BBS Internet Gateway Operating Instructions
August 7, 1992

LOCAL USERS:

Local users are those that log into the bbs via the bbs's telephone modem port (408-749-1950) or via one of the 3 tnc ports (144.93, 223.62, 433.37). Each local user has a bbs account that is used to customize how the bbs interacts with the user.

Local users can set their account up so that all incoming mail addressed to their call will be forwarded via a gateway to internet and on to other networks (mcimail, compuserve, etc). All the user needs to do is enter his email address and turn the feature on.

```
  EMAIL bob@hal.com
  EMAIL ON
```

When the EMAIL feature is turned on the packet message will be deleted at the time of forwarding through the gateway. So care should be taken that the paths are correct prior to turning the feature on, for instance enable it, send a test message, and disable it. After a successful transfer re-enable the feature. To disable the auto forwarding feature simply type:

```
  EMAIL OFF
```

Messages can be sent by packet users to the internet users via the gateway. This applies to users at N0ARY as well as users at other bbs's. Begin by sending a message to IPGATE@N0ARY with the first line of the message being the letters "To:" followed by the internet address of the recipient.

```
  N6ZFJ de N0ARY >
    sp ipgate@n0ary
  Enter your subject:
    Meeting?
  Enter your message body:
    To: bob@hal.com
    Are you planning to attend the club meeting on Thursday? Give me
    a call. 73, Connie
    ^Z
```

NOTE: That the recipient cannot respond to the message unless they are a ham and registered with the gateway. He/she becomes registered by sending a message from his internet host to gateway-request@arasmith.com.

REMOTE USERS:

Remote users are those that do not log into N0ARY directly but merely appear from the packet world to use it as home. If a packet user checks the "White Pages" for a remote user the entry comes back as @N0ARY. The packet user then address his message to YOURCALL@N0ARY and the bbs will do the translation and forwarding to internet.

It is not necessary for a person to know your actual internet address nor use the SP IPGATE method described above. From the packet network it appears that you are just another user at N0ARY.

WHITE PAGES:

The "White Pages" is a distributed database of all the bbs users. Most bbs users in the US are represented in the database as well as many from other countries. When a user chooses a home bbs, that bbs generates an update that is sent to the regional servers and then distributed to all the other bbs's. An entry consists of; call, home bbs, first name, zip, city and state. When a user wishes to send another packet user a message he/she consults the white pages (WP) for the home bbs.

REGISTERING:

Before a user, both local and remote, can send a message from internet into the bbs system he/she must register with the gateway. This is done by sending a message from the host that he/she intends to use to gateway-request@arasmith.com with the following information:

CALL:
FIRST NAME:
CITY & ST:
ZIP:

When a request is received the "From" field is copied directly into a file with the requesters call. Whenever the gateway receives a message bound for packet it scans this file comparing on the "From" field. When a match is found the gateway uses the associated call from then on. If there is no match the mailer bounces the message with a one-liner indicating the the user must register.

If you currently use another bbs as home this needs to be stated in the request. Otherwise you will be assigned N0ARY as your home. If you choose not to use N0ARY as your home you must make sure people know to send your message to YOURCALL@N0ARY to pass through the gate. Your WP entry will be wrong.

EXECUTING BBS COMMANDS REMOTELY:

Many of the commands available to local users is also available to remote users by sending a message to the bbs. Here is a subset of the commands currently available.

LIST	listing messages
LOOKUP	look up calls in the on-line callbook
WHO call	dump a users account information
READ	read messages and files
USERS n	display the last n users to connect to the bbs
INFO	display manual pages of various topics
CD	change directories in the file system
LS/DIR	display the contents of a directory
WP call	look a user up in the "White Pages"
HELP	get help on how to use a command

Not all commands available to local users can be accessed via the gate. All interactive commands are disabled as well as commands that modify the users account.

The command parser for the bbs is very powerful and the user can form very complex requests. For instance the following command is valid on the bbs:

```
LIST LAST 20 BULLETINS FROM N0ARY
LIST ALL BULLETINS ABOUT KENWOOD
```

The ABOUT keyword is used to search the subjects of messages for a given pattern, in this case KENWOOD. It can appear anywhere in the subject line.

This is an example of how complex all the commands can become. They can also be abbreviated down to the level understood my most other bbs programs. Any of the following will give the same results.

```
  L< N6ZFJ
  LIST FROM N6ZFJ
  LIS < N6ZFJ
  L FR N6ZFJ
```

In most cases a minimum number of unique characters is needed to distinguish a command.

You can get a list of commands and a translation chart from W0RLI to N0ARY by typing the following commands.

```
  INFO COMMANDS
  INFO W0RLI
```

Other commands that you may wish to execute are:

```
  INFO MANUAL
  HELP HELP
  HELP LIST
```

Now that you know what some of the commands are this is how you go about executing them. You send a message to cmd@bbs.arasmith.com with your commands entered one per line or separated by semicolons. For example if you want to know if three of your buddies are in the white pages and if the bbs has any messages about the ICOM W2A.

Send to:
  cmd@bbs.arasmith.com

```
  Subject: you can put anything here
  wp n0ary n6zfj n6une
  list all about w2a
  .
```

The bbs will execute the commands and respond to you via return mail.

SENDING MAIL TO PACKET:

Once registered the user is free to begin using the gateway to send messages from his host through the gateway into the packet world. How much you have to specify of a users address depends on how much the bbs already knows about the user.

If the bbs knows the home bbs of the user and his home bbs is know to the the N0ARY bbs, which most of them are, you simply need to supply the call.

n6zjf@bbs.arasmith.com

If the N0ARY bbs doesn't know of the user but does know where his home bbs is then you need to supply just the home bbs call in addition to the users.

n6zjf%n6qmy@bbs.arasmith.com

Notice that the call and home bbs are separated by a percent sign '%' rather then the '@' which is used in the packet domain. This is because the '@' has a meaning in the internet address.

If the bbs has no knowledge of either the user or his home bbs then you probably have the wrong home bbs or it is a new bbs. In which case you will have to supply the full address so the bbs will know how to route the message.

n6zfj%n6qmy.#nocal.ca.usa.na@bbs.arasmith.com

This level of addressing is hardly ever needed and normally means that the home bbs is in error.

Bulletins can be sent in a similar fashion. The address is made up of a keyword, which can be any six character word and a distribution. Distributions are local to an area. For instance SBAY is valid in northern CA, it probably has no meaning at all in Topeka, KS.

Valid distributions are:

ALLUS	please avoid this one
ALLUSW	all western US
ALLCA	all California, any 2 letter state should work

So if you trying to find a cw filter for a Kenwood TS440.

Send to:
want%allca@bbs.arasmith.com

Subject: Kenwood TS440, CW filter
If you have one of these you are willing to part with please
give me a call or leave message, thanks.
73, N6ZFJ@N0ARY.#NOCAL.CA.USA.NA
.

Be descriptive, brief, and always include your full return address in the message. Also please try to limit your distributions to small regions. Using the ALLUS distribution really slows down the flow of messages.

INFO ON THE N0ARY BBS:

The bbs came into being in July of 1990 and as of July of 1992 had over 600 users, 500 registered as home. The bbs has 3 rf ports, 2 phone ports, the internet port, and a voice synthesizer port. The latter allows users to check for messages via DTMF from their handhelds.

The bbs itself runs on a Sun workstation under Unix. The code was written by Bob Arasmith to focus on the user. Great care was taken to make the bbs very forgiving to the novice user but very flexible and powerful for the old-timer. The bbs can be configured to interact with each user differently. Some examples are:

* List messages in either descending or ascending order.

* Specify a list of keywords that the user wishes not to see displayed when a list is performed, similar to a kill file.

* .signature and .vacation files.

* Specify how many lines the users terminal is capable of displaying before scrolling, the bbs will feed info this many lines and pause allowing the user to catch up and continue or abort the operation. Similar to more.

* Users can put commonly executed commands in keystroke macros that are accessible via a single keystroke.

A manual is currently available describing the commands and their permutations. This manual will be available in late 1992 as a postscript file. Run the command INFO MANUAL to learn how to get one via the post office. It is not available in an ascii format.

If you have any questions about the internet gateway or the bbs in general please drop me a message.

73, bob
     n0ary@n0ary.#nocal.ca.usa.na
     bob@arasmith.com

--

```
==============================================
 Robert M  ||  Internet: topolski@netcom.com
 Topolski  ||  Packet: kj6yt@n0ary.#nocal.ca
==============================================
```

From -6517005804673256418
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd53d0ecf676082,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107e5d,5dd53d0ecf676082,start
X-Google-Attributes: gid107e5d,public

X-Google-Thread: f8a7b,5dd53d0ecf676082,start
X-Google-Attributes: gidf8a7b,public
X-Google-Thread: 105d97,5dd53d0ecf676082,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1993-06-22 10:34:58 PST
Xref: gmd.de sci.electronics:27879 sci.energy:8847 sci.engr:2722
Newsgroups: rec.ham-radio,sci.electronics,sci.energy,sci.engr
Path: gmd.de!xlink.net!howland.reston.ans.net!usc!elroy.jpl.nasa.gov!decwrl!
netcomsv!netcom.com!acooney
From: acooney@netcom.com (Alan Cooney)
Subject: Questions on EM fields measurement/shielding
Message-ID: <acooneyC91906.Eu6@netcom.com>
Summary: Need recommendations on books and/or questions answered on EM fields.
Keywords: RADIO EMI FIELD ELECTROMAGNETIC RADIATION ELF
Organization: NETCOM On-line Communication Services (408 241-9760 guest)
Date: Tue, 22 Jun 1993 17:09:42 GMT
Lines: 18

I've a friend who is trying to learn about EM fields
measurement and shielding. If you have any recommendations
of texts on the subject, or have experience in this area
and could answer a few of his questions, you could really
help out a newbie to the field (no pun intended :). He's
interested in the 'whole enchalada', ranging from ELF to
microwave. He's bright and eager, so *please* drop him a
line! He doesn't yet have internet access, so please
e-mail him at:
           71051.3051@compuserve.com
or follow up this post and I'll pass it along to him.
Thanks for your time and help!

Alan
acooney@netcom.com

BTW, his name is Rick. Thanks again!

From 5019216540181427076
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,acdf2a33a442167,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,acdf2a33a442167,start
X-Google-Attributes: gid108122,public
X-Google-Thread: fddbf,acdf2a33a442167,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10fbd1,acdf2a33a442167,start
X-Google-Attributes: gid10fbd1,public
X-Google-Thread: f7653,acdf2a33a442167,start
X-Google-Attributes: gidf7653,public
X-Google-ArrivalTime: 1993-08-12 05:34:30 PST
Xref: gmd.de rec.radio.amateur.equipment:350 rec.radio.amateur.digital.misc:151
rec.radio.amateur.packet:4875

```
Newsgroups:
rec.radio.amateur.equipment,rec.radio.amateur.digital.misc,rec.radio.amateur.packe
t,rec.ham-radio,rec.ham-radio.packet
Path: gmd.de!xlink.net!howland.reston.ans.net!spool.mu.edu!torn!nott!netfs!
ncs.dnd.ca!mercer
From: mercer@ncs.dnd.ca (David Mercer)
Subject: New to HAM, need handi talki advice?
Message-ID: <1993Aug12.115236.28818@netfs.dnd.ca>
Sender: news@netfs.dnd.ca (NEWS)
Nntp-Posting-Host: ncs.dnd.ca
Organization: DND, Ottawa, CANADA
Date: Thu, 12 Aug 1993 11:52:36 GMT
Lines: 25
```

Hi all;

Just got my basic certification yesterday and am now in the market for a handi talki with the goal (once cash flow improves) of getting into packet.

Shopping around Ottawa, I have narrowed my selection down to two units:

1) ICOM IC-P2AT 2m band @ $375 canadian; and
2) ICOM IC-24AT 2m and 440 @ $460.

I am really new to all this and would like some advice on how I should proceed. Is the addition of 440 worth 85 canadian (aprox 43 cents US ;>). Any general comments about these radios?

Please remember that the untimate goal is to set up a packet station and also to have some fun with Satelites.

73 de VE3XMJ (Dave Mercer)

PS. If there are any packeteers out there from the Ottawa area, I would love to hear from you.

```
From 2910990862505498028
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93fa5405d47f9bd5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,93fa5405d47f9bd5,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10f129,93fa5405d47f9bd5,start
X-Google-Attributes: gid10f129,public
X-Google-ArrivalTime: 1993-08-22 08:44:35 PST
Xref: gmd.de rec.video.satellite:11123 rec.radio.amateur.misc:31402
Newsgroups: rec.video.satellite,rec.ham-radio,rec.radio.amateur.misc
Path: gmd.de!Germany.EU.net!mcsun!uknet!doc.ic.ac.uk!agate!howland.reston.ans.net!
```

math.ohio-state.edu!cs.utexas.edu!asuvax!ncar!csn!teal.csn.org!kenw
From: kenw@teal.csn.org (Ken Waletzki)
Subject: >> LOOKING FOR DIGITAL RECEIVER <<
Message-ID: <CC635r.Apz@csn.org>
Sender: news@csn.org (news)
Nntp-Posting-Host: teal.csn.org
Organization: Colorado SuperNet, Inc.
Date: Sun, 22 Aug 1993 15:32:15 GMT
Lines: 1

From -5552774290845849270
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a498b786e644648d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 153c9e,a498b786e644648d,start
X-Google-Attributes: gid153c9e,public
X-Google-Thread: 107ada,a498b786e644648d,start
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1993-09-16 06:45:20 PST
Path: gmd.de!Germany.EU.net!mcsun!uknet!pipex!uunet!olivea!news.bu.edu!dartvax!saturn.caps.maine.edu!maine.maine.edu!rlm
Organization: University of Maine System
Date: Thu, 16 Sep 1993 08:23:59 EDT
From: Robert L. Metcalf NV1A <RLM@MAINE.MAINE.EDU>
Message-ID: <93259.082359RLM@MAINE.MAINE.EDU>
Newsgroups: rec.radio.amateur.misc,rec.ham-radio,maine.ham-radio
Subject: *** Special Event Station *** Sept 17-19
Lines: 13

* * * Special Event Station * * *

The University of Maine ARC will operate W1YA 1300Z-2100Z September 17-19 to honor Harold H. Beverage. Operation will be in the lower portion of the General subbands and the Novice 10-meter phone subband. For certificate, send QSL card and a 9x12 inch S.A.S.E. to:

UMARC
C/O Bryan Newman
5708 Barrows Hall, room 7
University of Maine
Orono, ME 04469-5708

From 8311868572695918714
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,be5e631cbff49f2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f4886,be5e631cbff49f2,start
X-Google-Attributes: gidf4886,public

X-Google-Thread: 107518,be5e631cbff49f2,start
X-Google-Attributes: gid107518,public
X-Google-ArrivalTime: 1993-09-20 15:13:39 PST
Xref: gmd.de sci.chem:9125 misc.consumers:26785
Newsgroups: sci.chem,rec.ham-radio,misc.consumers
Path: gmd.de!urmel.informatik.rwth-aachen.de!news-rhrz!rrz.uni-koeln.de!unidui!math.fu-berlin.de!umn.edu!spool.mu.edu!howland.reston.ans.net!europa.eng.gtefsd.com!uunet!rosevax!bunsen!craig
From: craig@bunsen.rosemount.com (Craig Taylor)
Subject: "Millenium" & NiCad battery charging questions
Message-ID: <1993Sep20.181217.7222@rosevax.rosemount.com>
Sender: news@rosevax.rosemount.com (Rosevax USENET News auto-admin account)
Nntp-Posting-Host: bunsen
Organization: Rosemount, Inc.
Distribution: usa
Date: Mon, 20 Sep 1993 18:12:17 GMT
Lines: 42

I have a question about recharging "Millenium" NiCad batteries. Sorry for the cross posting but I think it is necessary to get a definitive answer.

Facts:
I have used AA NiCads for over a year, recharging them overnight in a Radio Shack "7 hour charger". I previously used a charger which claimed to take 14 hours. I believe they are 650 mah. I have used them extensively with no problem.

I just bought a new charger, a Radio Shack "2 hour charger" that operates with an internal timer.

I just went to the store to buy NiCads in conjunction with a Walkman, a present. The only brand was "Millenium" made by Gaines Energy Products, Florida.

They advertise 33% more capacity. I guess they cram more into the casing.

They (Millenium) advertise 1 hour charge time on the battery package. The Millenium charger claims to charge the Millenium batteries in 1 hour, but claims to take 6 hours for other brands.

What is going on here?
Why do some chargers charge quicker than others?
If just more current, why aren't they all fast?
Is there any harm (wear and tear) using the faster chargers?
Are the Millenium batteries any different than the others?
Do they in fact charge faster?

What is the harm in leaving batteries in the charger longer than required? I plan on charging these the same as the others.

Any answers appreciated.

--
Craig F. Taylor
craig@rosemount.com
Work (612) 895-2254
Home (612) 454-4994

From 1121742043385377706
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,27db0526c62273c1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,27db0526c62273c1,start
X-Google-Attributes: gid106d41,public
X-Google-ArrivalTime: 1993-10-12 17:33:40 PST
Path: gmd.de!xlink.net!howland.reston.ans.net!europa.eng.gtefsd.com!uunet!bloom-beacon.mit.edu!ai-lab!beech-nut!maddog
From: maddog@beech-nut.ai.mit.edu (Matthew Marjanovic (really!))
Newsgroups: rec.radio.cb,rec.ham-radio
Subject: ...Need help with Motorola Handie Talkie...
Date: 12 Oct 1993 23:26:43 GMT
Organization: MIT Artificial Intelligence Lab
Lines: 13
Sender: maddog@beech-nut (Matthew Marjanovic (really!))
Distribution: world
Message-ID: <29fefjINNbjr@life.ai.mit.edu>
NNTP-Posting-Host: beech-nut.ai.mit.edu

Howdy...

I've got a Motorola STX Handie Talkie FM radio (w/ keypad).

Could someone tell me what it does?
 (and maybe even where I could get a manual for it?)

Thanks,
 Matt Marjanovic
 maddog@ai.mit.edu
 (The Cog Shop... cog sales and service while U wait)

From -7988174839782861892
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,27db0526c62273c1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,27db0526c62273c1
X-Google-Attributes: gid106d41,public
X-Google-ArrivalTime: 1993-10-13 06:33:49 PST
Path: gmd.de!Germany.EU.net!mcsun!uunet!tadpole.com!news.dell.com!swrinde!menudo.uh.edu!jpunix!unkaphaed!amanda!robert

From: robert@amanda.jpunix.com (Robert)
Newsgroups: rec.radio.cb,rec.ham-radio
Subject: Re: ...Need help with Motorola Handie Talkie...
Message-ID: <37LcBc1w165w@amanda.jpunix.com>
Date: Wed, 13 Oct 93 02:48:13 CDT
References: <29fefjINNbjr@life.ai.mit.edu>
Organization: Twins
Lines: 17

maddog@beech-nut.ai.mit.edu (Matthew Marjanovic (really!)) writes:

>
> Howdy...
>
> I've got a Motorola STX Handie Talkie FM radio (w/ keypad).
>
> Could someone tell me what it does?
> (and maybe even where I could get a manual for it?)

The Motorola "STX" Handie Talkie is a 3 watt, conventional and trunked 800 mHz transceiver. They were real current a couple of years ago, and my guess (if it works) it's still worth about $500.

Manuals can be had through Motorola (naturally).

--Robert

From -1191163024940611751
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1fc1e0c7df67b397,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c349,1fc1e0c7df67b397,start
X-Google-Attributes: gid10c349,public
X-Google-Thread: 107ada,1fc1e0c7df67b397,start
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1993-10-16 04:39:40 PST
Path: gmd.de!Germany.EU.net!mcsun!uunet!spool.mu.edu!caen!batcomputer!munnari.oz.au!newsroom.utas.edu.au!bruny.cc.utas.edu.au!s_travis
From: s_travis@bruny.cc.utas.edu.au (Scott Travis)
Newsgroups: aus.radio,rec.ham-radio,rec.radio.amateur.misc
Subject: Are there/Will there be any VK0 soon?
Date: 16 Oct 1993 11:10:53 GMT
Organization: University of Tasmania, Australia.
Lines: 9
Message-ID: <29okrt$nll@diemen.utas.edu.au>
NNTP-Posting-Host: bruny.cc.utas.edu.au

I believe the subject says it all. Does anyone have information on current acitivity from Antarctica or the VK0 islands? Much appreciated. Cheers and 73!

--

```
Scott Travis  VK7ST / KB5GEO      _--_|\    "This is my security chief,
University of Tasmania           /      \    Lieutenant Worf."
VK7ST@VK7GL.TAS.AUS.OC           \_.--._/   "I don't suppose security is
s_travis@postoffice.utas.edu.au        v     much of a problem for you."
```

From -6816750860401038790
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,657ed218ae44e665,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,657ed218ae44e665,start
X-Google-Attributes: gid108122,public
X-Google-ArrivalTime: 1993-11-08 18:09:04 PST
Path: gmd.de!xlink.net!howland.reston.ans.net!europa.eng.gtefsd.com!
library.ucla.edu!nntp.ucsb.edu!mcl!usvein
From: usvein@mcl.ucsb.edu (Svein Vetti)
Newsgroups: rec.ham-radio,rec.radio.amateur.equipment
Subject: YAESU delers in Santa Barbara area.
Date: 9 Nov 1993 01:10:47 GMT
Organization: University of California, Santa Barbara
Lines: 5
Message-ID: <2bmqmo$5ep@hub.ucsb.edu>
NNTP-Posting-Host: mcl.ucsb.edu
Keywords: VHF tranceiver

iI am looking for Yaesu dealers in Santa Barbara (or LA) area. I am interested
in handheld tranceivers. Where is the nearest or cheapest ones ?

Write to Svein Vetti (Norwegian) e-mail : usvein@mcl.mcl.ucsb.edu

From 786390202639643028
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5751d4efd8cb00a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,b5751d4efd8cb00a,start
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1993-11-16 11:48:58 PST
Newsgroups: rec.ham-radio,rec.radio.amateur.misc
Path: gmd.de!xlink.net!howland.reston.ans.net!europa.eng.gtefsd.com!news.umbc.edu!
eff!news.kei.com!ddsw1!chinet!drx
From: drx@chinet.chinet.com (Scott Whittle)
Subject: HAM ftp mod sites?
Message-ID: <CGLIso.5F@chinet.chinet.com>
Organization: Chinet - Public Access UNIX
Date: Tue, 16 Nov 1993 17:48:24 GMT
Lines: 8

Does anyone know of any ham ftp sites. I'm looking for mod files to be
exact.
thanks,

```
scott
,
--
Scott Whittle (drx)                        drx@chinet.chi.il.us
```

```
From 2997924628838244842
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5751d4efd8cb00a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,b5751d4efd8cb00a
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1993-11-17 01:51:58 PST
Newsgroups: rec.ham-radio,rec.radio.amateur.misc
Path: gmd.de!xlink.net!howland.reston.ans.net!cs.utexas.edu!uunet!
yeshua.marcam.com!news.kei.com!bloom-beacon.mit.edu!mcrcim.mcgill.edu!sifon!
Atlas.EETECH.McGill.CA!bruno
From: bruno@Atlas.EETECH.McGill.CA (Bruno Hall)
Subject: Re: HAM ftp mod sites?
Message-ID: <1993Nov17.024922.24769@sifon.cc.mcgill.ca>
Sender: news@sifon.cc.mcgill.ca
Organization: McGill S.L.I.P.
References: <CGLIso.5F@chinet.chinet.com>
Date: Wed, 17 Nov 1993 02:49:22 GMT
Lines: 19

Scott Whittle <drx@chinet.chinet.com> wrote:
>Does anyone know of any ham ftp sites.  I'm looking for mod files to be
>exact.

Sure do.

Your best bet will probably be ftp.cs.buffalo.edu:/pub/ham-radio/mods

For those still thinking about using ham.eetech.mcgill.ca, don't.
This site is closing PERMANENTLY on 19 November, 1993.  All the mods
which are available at the latter site have been moved to the former.

73

Bruno
--
/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/
Bruno Hall | VE2HUM | old: bruno@eetech.mcgill.ca | new: canuck@rtsg.mot.com
New systems generate new problems -- Join the Flat Earth Society.
```

```
From -1405393239862688045
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5751d4efd8cb00a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,b5751d4efd8cb00a
```

X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1993-11-17 07:40:55 PST
Newsgroups: rec.ham-radio,rec.radio.amateur.misc
Path: gmd.de!xlink.net!howland.reston.ans.net!usenet.ins.cwru.edu!
news.csuohio.edu!sww
From: sww@csuohio.edu (Steve Wolf)
Subject: Re: HAM ftp mod sites?
Message-ID: <1993Nov17.115844.21359@news.csuohio.edu>
Sender: news@news.csuohio.edu (USENET News System)
Organization: Cleveland State University
X-Newsreader: Tin 1.1 PL5
References: <CGLIso.5F@chinet.chinet.com>
Date: Wed, 17 Nov 1993 11:58:44 GMT
Lines: 6

Is there a site that has an archive of all the mods? Although buffalo
has the individual mods, I would like to update my older set of files.

73,
Steve, NO8M

From 3075363562788252860
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5751d4efd8cb00a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,b5751d4efd8cb00a
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1993-11-17 20:50:05 PST
Newsgroups: rec.ham-radio,rec.radio.amateur.misc
Path: gmd.de!xlink.net!howland.reston.ans.net!pipex!uunet!utcsri!
newsflash.concordia.ca!sifon!Atlas.EETECH.McGill.CA!bruno
From: bruno@Atlas.EETECH.McGill.CA (Bruno Hall)
Subject: Re: HAM ftp mod sites?
Message-ID: <1993Nov18.014241.14465@sifon.cc.mcgill.ca>
Sender: news@sifon.cc.mcgill.ca
Organization: McGill S.L.I.P.
References: <CGLIso.5F@chinet.chinet.com>
<1993Nov17.115844.21359@news.csuohio.edu>
Date: Thu, 18 Nov 1993 01:42:41 GMT
Lines: 18

Steve Wolf <sww@csuohio.edu> wrote:
>Is there a site that has an archive of all the mods? Although buffalo
>has the individual mods, I would like to update my older set of files.

Buffalo's set comprises, of probably 95% of what's out there in terms
of ftp sites and automated mailers. I am the person one who
collected, and weeded out this collection in particular. There are
over 250 at the present time.

I'm moving in the very near future, but once I've settled down again,

WIBNI we could come to some sort of agreement on having THE mod site
somewhere, so people don't have to go all over creation to find what
they need.

Bruno
--
/\/
Bruno Hall | VE2HUM | old: bruno@eetech.mcgill.ca | new: canuck@rtsg.mot.com

From 5112031954322255065
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,657ed218ae44e665
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,657ed218ae44e665
X-Google-Attributes: gid108122,public
X-Google-ArrivalTime: 1993-11-18 15:37:18 PST
Newsgroups: rec.ham-radio,rec.radio.amateur.equipment
Path: gmd.de!xlink.net!howland.reston.ans.net!gatech!news-feed-2.peachnet.edu!concert!inxs.concert.net!taco!cmgrawbu
From: cmgrawbu@eos.ncsu.edu (CHRISTOPHER M GRAWBURG)
Subject: Mr. Microphone Adjustments
Message-ID: <1993Nov18.212005.12872@ncsu.edu>
Originator: cmgrawbu@c00562-1403br.eos.ncsu.edu
Keywords: VHF tranceiver
Sender: news@ncsu.edu (USENET News System)
Reply-To: cmgrawbu@eos.ncsu.edu (CHRISTOPHER M GRAWBURG)
Organization: North Carolina State University, Project Eos
References: <2bmqmo$5ep@hub.ucsb.edu>
Date: Thu, 18 Nov 1993 21:20:05 GMT
Lines: 18

Hello. I'm not suer if this is the right group to post in but it's worth
a try.

I just bought a Mr. Microphone and I was wondering if there is anyone out there
who has had any luck making so adjustments to it such as:

1) Adjust the frequency of the transmission to any great extent (different
   band?)

2) Increase the power output a great deal?

Any ideas would be appreciated!!

thanx!!

Chris

From -1798895243088721756

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a0fa2062f687b7,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fed6a,12a0fa2062f687b7,start
X-Google-Attributes: gidfed6a,public
X-Google-Thread: f76e2,12a0fa2062f687b7,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1993-12-07 18:54:46 PST
Path: gmd.de!xlink.net!howland.reston.ans.net!newsserver.jvnc.net!
newsserver.cshl.org!newsserver.cshl.org!not-for-mail
From: stellabo@phage.cshl.org (Fred Stellabotte)
Newsgroups: rec.ham-radio,rec.ham-radio.misc,rec.ham-radio.swap
Subject: Almost new gear for Sale
Date: 6 Dec 1993 19:26:57 -0500
Organization: Cold Spring Harbor Lab
Lines: 26
Message-ID: <2e0ikhINNeat@phage.cshl.org>
NNTP-Posting-Host: phage.cshl.org
Keywords: TS690,DJ580,Kenwood,Astron MFJ

Due to some major changes in my life I am forced to
sell all of my nearly new ham radio gear. All of the
equipment is less than one year old, and was purchased by
me.

Here is the list:

Kenwood TS-690 -	$ 1,075.
MFJ 948 Tuner	$ 75.
Astron RS-35m Power Supply	$ 95.
Kantronics KPC-3	$ 65.
Alinco DJ-580 Dual Band HT	$ 275.
MFJ - 1796 multi band vertical Antenna	$ 100.

You can reach me by phone or e-mail.

-Fred

```
-----------------------------------------------------------------------
  >| ====  Fred J. Stellabotte                     stellabo@cshl.org
  >| ====  Computer Systems Manager
  >| ====  CFI-AI-MEI                       HAM: N2JCD
  >| ==== ___________________________________________________________
  >| ====  Cold Spring Harbor Laboratory         Voice: (516)367-8420
  >| ====  1 Bungtown Road                         Fax: (516)367-8845
  >| ====  Cold Spring Harbor, New York 11724
-----------------------------------------------------------------------
```

From -2122478117824017212
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62b1e69818b96ba2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10fbd1,62b1e69818b96ba2,start

X-Google-Attributes: gid10fbd1,public
X-Google-Thread: f7653,62b1e69818b96ba2,start
X-Google-Attributes: gidf7653,public
X-Google-Thread: fed6a,62b1e69818b96ba2,start
X-Google-Attributes: gidfed6a,public
X-Google-Thread: fddbf,62b1e69818b96ba2,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1993-12-08 15:55:01 PST
Path: gmd.de!xlink.net!howland.reston.ans.net!spool.mu.edu!olivea!koriel!male.EBay.Sun.COM!eb5ts4.EBay.Sun.COM!keithhar
From: keithhar@eb5ts4.EBay.Sun.COM (Keith Hargrove)
Newsgroups: rec.ham-radio,rec.ham-radio.misc,rec.ham-radio.packet,rec.radio.amateur.packet,rec.radio.amateur.digital.misc
Subject: Spread_Spectrum
Date: 7 Dec 1993 19:21:13 GMT
Organization: Sun Microsystems, Mt. View, Ca.
Lines: 186
Message-ID: <2e2l39$34o@male.EBay.Sun.COM>
References: <>
NNTP-Posting-Host: eb5ts4.ebay.sun.com
Keywords: Spread_Spectrum

After my post for info on Spread Spectrum this
is a summery of the info I got. So anyone else who wants to
play with SS can.
I had many request for the info I might get, so I think it would be
nice to put it here.

Thanks to all who sent me info.

A group meet in Redwood City on the second Wednesday of the month.
contact
--

```
.----------------------------------------------+-------------------------.
| INTERNET: pineapp@netcom.com                 | Daniel Curry  WB6STW    |
| AMPRNET : dan@wb6stw.ampr.org  [44.4.20.144] | E-:-) Ham Radio Operator |
| AX.25   : wb6stw@n0ary.#NOCAL.CA.USA.NA      | Redwood City, CA USA    |
'----------------------------------------------+-------------------------'
```

You might consider subscribing to "Spread Spectrum Scene" published
by Randy Roberts, KC6YJY.   You can get hold of him at 415-726-6235.

Tell him "Steve" sent you ;-)

Steve KA6S

I'm also interested in spread spectrum applications, primarily for data communications. One place to look for information is the ARRL Spread Spectrum Sourcebook. It has construction projects as well as a lot of information on the technology and capability of SS systems. It also covers the legal aspects of SS operation.

I'm thinking of coming up with an SS data transmission scheme that would use the entire bandwidth of an OSCAR transponder -- at a power level just above the noise floor -- for a 56kb data link.

If either of you gets more information, add me to your list of interested parties.

Thanks,
-- Bruce Toback
KN6MN

See Electronics World + Wireless World "Voice link over spread spectrum radio" by James Vincent G1PVZ. This series began in Sep 93 issue describing a complete Direct Sequence system from microphone to the antenna (435 MHz) and from the antenna to the loudspeaker.

The classical reference is "Spread Spectrum Systems" by Robert C Dixon, ISBN 0-471-88309-3 (2nd edition 1984). This book is quite readable compared to many other scientific books.

Paul OH3LWR

In a previous post, Marc Lombart (ranfry@CAM.ORG) wrote:
:   My knowledge of Spread Spectrum is quite limited, but my
: understanding is that it would probably not be viable as a HAM node,
: seeing as it takes many times the normal bandwidth for each "channel."
: The main use of Spread Spectrum is security, not communication. At
: least, that is what I know from the little I have found on the subject.

Security depends on the algorithm you use to "spread" the signal, so you can make it pretty public if you want to. (I think current FCC rules limit ham useage to a few well-known algorithms.)

As far as my limited understanding goes, the main advantage is coordination: a set of well-coordinated and efficiently-used conventional channels are more efficient of spectrum space than spread spectrum, but you can throw a bunch of spread-spectrum users into a band with *no* coordination and do almost as well. It really pays off when users start moving around or coming and going with no warning. That makes it ideal for consumer applications, the advantages for hams are less clear.

The ARRL publishes a book on the subject that is supposed to be a pretty good intro.

--
Eric Williams | Vincent: MC (B+S)t G+Y 1.1 Y L++ C+ T+ I+++ H+ S++ V+ F++
wd6cmu@netcom.com | Murphy: DS W+(B+R)t+R Y 1.2 Y L C+ T- I+++ H+ A+ F+ B--
WD6CMU@WD6CMU.#NOCAL.CA.USA.NA

You might try sending calling TAPR (don't have their address handy). I think they were experimenting with some 900MHz spread spectrum packet stuff in Southern California... some sort of wide area high speed net, I believe.

Ken Friberg
friberg@mtu.edu
n8pbe@w8yy.#upmi.mi.na

Hi, there are a number of ways to genarate PN codes. One way is to just write a program that generates random numbers each between 0 and 1 (or -1 and 1) However this does not satisfy some of the conditions that the PN seqs must meet in a (rather) realistic environment.

So another way is to use m-sequences, which have well-defined correlation properties. But the problem here is that you can only genarate that many different seqs for a specific number of shift registers. In other words the more m-seqs you want the more (hardware or) software you have to write to generate them.
Finally another way, is to use Gold sequences, which basically is a combination of m-seqs. With this method you can generate even more PN seqs with only a few additional lines of code. All of the above has been implemented before, and I amsure you'll find a lot of material.

If you need more information, about books, papers (on Spread Spectrum) and even the code let me know.

regards

-stavros

>To answer Keith's question, get a copy of the ARRL _Spead Spectrum

>Sourcebook_ for the basic outlines of the various types of SS, what
>PN codes are permitted, and the types of equipment modifications needed
>to operate SS. You can convert an IC4AT to a 70 cm hopper, and there
>are plans for building PN spreaders using common off the shelf parts.
>Outfits like Qualcomm have chipsets for complete systems, but if you're
>learning and experimenting, it's probably better to build your first
>units with simple TTL blocks so you'll understand what's happening.

There are other references kicking around, and for a completely up-to-date one, see if you can track down the September and October 1993 issues of _Electronics & Wireless World_. The September issue has a very good overview of spread spectrum (concentrating on direct sequence), and the October issue has construction information on a 435 MHz direct sequence spread spectrum system. The articles were written by James Vincent, G1PVZ.

In typical spread spectrum fashion the transmitter is (relatively) simple, while the receiver is quite complicated. It uses some very interesting techniques for acquiring and keeping correlation, and does not need an external reference like some of the stuff in the ARRL spread spectrum book...

Just in case, no, I have no connection with E&WW, or with Reed Business Publishing. I have no idea who Mr. Vincent is, though I do like his style.

73 from Burnaby
laura VE7LDH

I recall seeing "the Spread Spectrum Sourcebook" as part of an ARRL literature ad in a recent QST. I am aware of at least one newsletter devoted to this, and I seem to recall that there is a recent commercially-available amateur product that is a Spread Spectrum modem/radio. Sounded neat - think the creator was in AZ, but could be wrong.

Me? I haven't seen/done spread spectrum since I was a satellite jock in the USAF back in the seventies...

Neat stuff, though.

svh

--
Steven V. Hovater   (703)318-5839
Senior CASE Engineer   Verdix Corporation
EMAIL: svh@verdix.com   Amateur Radio: AA5YH

From 4660718155299083381
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7aaf33298e812a02,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7aaf33298e812a02,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c572,7aaf33298e812a02,start
X-Google-Attributes: gid10c572,public
X-Google-Thread: 105d97,7aaf33298e812a02,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1994-01-19 14:53:55 PST
Xref: gmd.de sci.electronics:45750 comp.protocols.time.ntp:2381 rec.radio.shortwave:16908
Newsgroups: sci.electronics,comp.protocols.time.ntp,rec.radio.shortwave,rec.ham-radio
Path: gmd.de!xlink.net!howland.reston.ans.net!cs.utexas.edu!uunet!seas.smu.edu!vivaldi!bsdsun.esd.dl.nec.com!puma!mark
From: mark@rss.dl.nec.com (Mark Dennison)
Subject: GPS or WWV receivers
Message-ID: <CJw9qG.6tJ@rss.dl.nec.com>
Keywords: GPS, WWV, purchase
Sender: usenet@rss.dl.nec.com
Nntp-Posting-Host: warthog
Organization: NEC America
Date: Wed, 19 Jan 1994 20:47:03 GMT
Lines: 20

I am looking for a WWV shortwave or GPS receiver which outputs a TIME format (ASCII, etc.) to an RS-232 interface priced under $2000. This would be for international use, so WWV shortwave may not work very well. Modem'ing to WWV has also been ruled out. Also, I doubt that LORAN would provide sufficient international coverage. Please tell me the phone numbers and/or addresses for the catalog/sales departments for likely manufacturers.

Mark Dennison

Member of the Technical Staff
Supervisory Systems Department
Radio Division

NEC America, Inc.   Tel (214)751-7295
1555 W. Walnut Hill Lane   Fax (214)751-7254
Irving, TX 75038   E-mail mark@rss.dl.nec.com

From 1820881669973282211

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7aaf33298e812a02
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7aaf33298e812a02
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c572,7aaf33298e812a02
X-Google-Attributes: gid10c572,public
X-Google-Thread: 105d97,7aaf33298e812a02
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1994-01-20 09:08:36 PST
Xref: gmd.de sci.electronics:45824 comp.protocols.time.ntp:2384 rec.radio.shortwave:16947
Newsgroups: sci.electronics,comp.protocols.time.ntp,rec.radio.shortwave,rec.ham-radio
Path: gmd.de!xlink.net!howland.reston.ans.net!pipex!uunet!nevada.edu!jimi!condit
From: condit@katie.ISRI.UNLV.EDU (Allen Condit)
Subject: Re: GPS or WWV receivers
Message-ID: <1994Jan20.065437.11487@unlv.edu>
Keywords: GPS, WWV, purchase
Sender: news@unlv.edu (News User)
Organization: Department of Computer Science, UNLV
References: <CJw9qG.6tJ@rss.dl.nec.com>
Date: Thu, 20 Jan 94 06:54:37 GMT
Lines: 27

In article <CJw9qG.6tJ@rss.dl.nec.com>, mark@rss.dl.nec.com (Mark Dennison) writes:

>
>I am looking for a WWV shortwave or GPS receiver which outputs a TIME
>format (ASCII, etc.) to an RS-232 interface priced under $2000. This
>would be for international use, so WWV shortwave may not work very
>well. Modem'ing to WWV has also been ruled out. Also, I doubt that
>LORAN would provide sufficient international coverage. Please tell me
>the phone numbers and/or addresses for the catalog/sales departments
>for likely manufacturers.

here's what i have:

Check out the LOWRANCE GPS receiver. $599 according to their advertisement in GPS world. Interface is NMEA0183 or RS232. Time Mark is +/- 1 microsecond.

for more details:

LOWRANCE
12000 E Skelly Drive
Tulsa, OK 74128-2486
(918) 437-7623
Fax (918) 437-6263

allen
N7WWR

From -2000242756039916452
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7aaf33298e812a02
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7aaf33298e812a02
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c572,7aaf33298e812a02
X-Google-Attributes: gid10c572,public
X-Google-Thread: 105d97,7aaf33298e812a02
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1994-01-21 13:28:08 PST
Xref: gmd.de sci.electronics:45973 comp.protocols.time.ntp:2389 rec.radio.shortwave:16995
Newsgroups: sci.electronics,comp.protocols.time.ntp,rec.radio.shortwave,rec.ham-radio
Path: gmd.de!newsserver.jvnc.net!howland.reston.ans.net!cs.utexas.edu!utnut!torn!news.ccs.queensu.ca!hooper
From: hooper@ccs.QueensU.CA (Andy Hooper)
Subject: Re: GPS or WWV receivers
Message-ID: <CJzMJD.CGD@knot.ccs.queensu.ca>
Keywords: GPS, WWV, purchase
Sender: news@knot.ccs.queensu.ca (Netnews control)
Organization: Queen's University, Kingston
References: <CJw9qG.6tJ@rss.dl.nec.com> <1994Jan20.065437.11487@unlv.edu>
Date: Fri, 21 Jan 1994 16:16:25 GMT
Lines: 17

In article <1994Jan20.065437.11487@unlv.edu>, condit@katie.ISRI.UNLV.EDU (Allen Condit) writes:
| Check out the LOWRANCE GPS receiver. $599 according to their
| advertisement in GPS world. Interface is NMEA0183 or RS232. Time
| Mark is +/- 1 microsecond.
| for more details:
| LOWRANCE
| 12000 E Skelly Drive
| Tulsa, OK 74128-2486
| (918) 437-7623
| Fax (918) 437-6263

This telephone number here is not correct. I contacted Lowrance at
918 437 6881 and was informed that they no longer manufacture this device.

--
Andy Hooper, Queen's University Computing Services, Kingston, Ontario, Canada
hooper@post.queensu.ca

From -5915735016575822436
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7aaf33298e812a02
X-Google-Attributes: gid10c9e3,public

```
X-Google-Thread: 114aac,7aaf33298e812a02
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c572,7aaf33298e812a02
X-Google-Attributes: gid10c572,public
X-Google-Thread: 105d97,7aaf33298e812a02
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1994-01-22 10:28:11 PST
Xref: gmd.de sci.electronics:46031 comp.protocols.time.ntp:2394
rec.radio.shortwave:17028
Newsgroups: sci.electronics,comp.protocols.time.ntp,rec.radio.shortwave,rec.ham-
radio
Path: gmd.de!xlink.net!howland.reston.ans.net!usc!sdd.hp.com!
saimiri.primate.wisc.edu!news.crd.ge.com!sarah!rpi!newsserver.pixel.kodak.com!
ektools.kodak.com!kd2kq
From: kd2kq@ektools.kodak.com (Steve Woodard)
Subject: Re: GPS or WWV receivers
Message-ID: <CK04J0.3t1@newsserver.pixel.kodak.com>
Keywords: GPS, WWV, purchase
Sender: usenet@newsserver.pixel.kodak.com
Organization: Eastman Kodak Company
References: <CJw9qG.6tJ@rss.dl.nec.com> <1994Jan20.065437.11487@unlv.edu>
Date: Fri, 21 Jan 1994 22:44:59 GMT
Lines: 57

In article <1994Jan20.065437.11487@unlv.edu> condit@katie.ISRI.UNLV.EDU (Allen
Condit) writes:
>In article <CJw9qG.6tJ@rss.dl.nec.com>, mark@rss.dl.nec.com (Mark Dennison)
writes:
>>
>>I am looking for a WWV shortwave or GPS receiver which outputs a TIME
>>format (ASCII, etc.) to an RS-232 interface priced under $2000.  This
>>would be for international use, so WWV shortwave may not work very
>>well.  Modem'ing to WWV has also been ruled out.  Also, I doubt that
>>LORAN would provide sufficient international coverage.  Please tell me
>>the phone numbers and/or addresses for the catalog/sales departments
>>for likely manufacturers.
>
>here's what i have:
>

>  Check out the LOWRANCE GPS receiver.  $599 according to their
>  advertisement in GPS world.  Interface is NMEA0183 or RS232.  Time
>  Mark is +/- 1 microsecond.
>
>  for more details:
>                   LOWRANCE
>                   12000 E Skelly Drive
>                   Tulsa, OK 74128-2486
>                   (918) 437-7623
>                   Fax (918) 437-6263
>
>allen
>N7WWR
```

I wrote a program to run on a PC (actually an HP Palm Top) for someone
that has one of those Lowrance receivers. The Ascii data that is
sent out the RS232 port although decipherable, is not in a normaly
human readable foramt. It is in the NMEA0183 standard format which is
a comma deliminated string with the first characters denoting which
string of data you are looking at. The string is about 50 to 60 character
s in length and contain lots of other information besides just the time.
Only data, nothing like hours, minutes, etc. You get 2 data strings every
other
second on alternating seconds both of which contain the time. But I'm
not sure if you get the time to the microsecend resolution in these strings
or not. (I don't have the manuals in front of me) There are several other
strings of data that you can request by sending the receiver a request in
an ascii string. I guess my point is that you will need some kind of
computer or at least a microprocesser to crunch the data and display it
in some kind of meaningful way. Lowrance provides a demo program, but
it didn't meet the amateur radio needs of the fellow I wrote the program
for. (Grid Squares, bearing/distance to other points on the planet, etc)
Hope this dribble is of some use, I just didn't want you to think that
for $599 you were getting a complete, turn-key system. . .

Steve   kd2kq@ektools.kodak.com
KD2KQ

--
____
Steve Woodard KD2KQ
kd2kq@ektools.kodak.com

From -3874650293960214223
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7aaf33298e812a02
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7aaf33298e812a02
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c572,7aaf33298e812a02
X-Google-Attributes: gid10c572,public
X-Google-Thread: 105d97,7aaf33298e812a02
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1994-01-22 16:12:08 PST
Xref: gmd.de sci.electronics:46063 comp.protocols.time.ntp:2395
rec.radio.shortwave:17040
Path: gmd.de!xlink.net!howland.reston.ans.net!cs.utexas.edu!swrinde!sgiblab!
gatekeeper.us.oracle.com!decwrl!nntp.crl.com!crl2.crl.com!not-for-mail
From: dmiller@crl.com (Donald J. Miller)
Newsgroups: sci.electronics,comp.protocols.time.ntp,rec.radio.shortwave,rec.ham-
radio
Subject: Re: GPS or WWV receivers
Followup-To: sci.electronics,comp.protocols.time.ntp,rec.radio.shortwave,rec.ham-
radio

Date: 22 Jan 1994 09:32:57 -0800
Organization: CRL Dialup Internet Access (415) 705-6060 [login: guest]
Lines: 14
Distribution: inet
Message-ID: <2hro09$gn@crl2.crl.com>
References: <CJw9qG.6tJ@rss.dl.nec.com> <1994Jan20.065437.11487@unlv.edu>
<CK04J0.3t1@newsserver.pixel.kodak.com>
NNTP-Posting-Host: crl2.crl.com
X-Newsreader: TIN [version 1.2 PL2]

: > advertisement in GPS world. Interface is NMEA0183 or RS232. Time
: > Mark is +/- 1 microsecond.
: >

RS232 eh? Let's see -- characters come into the receive buffer on the UART at a rate of 52 microseconds per character (assuming 19.2 KB) and then sit there for some number of microprocessor clock cycles before they are read from the buffer by the micro. Of course, it takes multiple characters to get the time --- there goes your one microsecond accuracy!

Don Miller   dmiller@crl.com

From -4746352613368172200
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7aaf33298e812a02
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7aaf33298e812a02
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c572,7aaf33298e812a02
X-Google-Attributes: gid10c572,public
X-Google-Thread: 105d97,7aaf33298e812a02
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1994-01-22 17:45:04 PST
Xref: gmd.de sci.electronics:46068 comp.protocols.time.ntp:2396
rec.radio.shortwave:17042
Newsgroups: sci.electronics,comp.protocols.time.ntp,rec.radio.shortwave,rec.ham-radio
Path: gmd.de!xlink.net!howland.reston.ans.net!pipex!pavo.csi.cam.ac.uk!
swan.cl.cam.ac.uk!pb
From: pb@swan.cl.cam.ac.uk (Piete Brooks)
Subject: Re: GPS or WWV receivers
Message-ID: <1994Jan22.185444.8886@infodev.cam.ac.uk>
Sender: news@infodev.cam.ac.uk (USENET news)
Nntp-Posting-Host: swan.cl.cam.ac.uk
Organization: U of Cambridge Computer Lab, UK
References: <1994Jan20.065437.11487@unlv.edu>
<CK04J0.3t1@newsserver.pixel.kodak.com> <2hro09$gn@crl2.crl.com>
Distribution: inet
Date: Sat, 22 Jan 1994 18:54:44 GMT

Lines: 15

In article <2hro09$gn@crl2.crl.com> dmiller@crl.com (Donald J. Miller) writes:
>: > advertisement in GPS world. Interface is NMEA0183 or RS232. Time
>: > Mark is +/- 1 microsecond.
>RS232 eh? Let's see -- characters come into the receive buffer on
>the UART at a rate of 52 microseconds per character (assuming 19.2 KB)
>and then sit there for some number of microprocessor clock cycles
>before they are read from the buffer by the micro. Of course, it takes
>multiple characters to get the time --- there goes your one microsecond
>accuracy!

Unless of course you do something like connect the data signal to the
Carrier Detect pin, and then arrange for your kernel to detect the first CD
transition, latch the current time, and disable the CD code.
At leisure, a program can then make an IOCTL call which reads the last time CD
timestamp, and re-enables the CD code.

From 6226233112029277291
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7aaf33298e812a02
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7aaf33298e812a02
X-Google-Attributes: gid114aac,public
X-Google-Thread: 105d97,7aaf33298e812a02
X-Google-Attributes: gid105d97,public
X-Google-Thread: 10c572,7aaf33298e812a02
X-Google-Attributes: gid10c572,public
X-Google-ArrivalTime: 1994-01-22 21:15:43 PST
Xref: gmd.de sci.electronics:46080 comp.protocols.time.ntp:2397
rec.radio.shortwave:17049
Path: gmd.de!xlink.net!howland.reston.ans.net!usenet.ins.cwru.edu!nigel.msen.com!
yale.edu!cmcl2!slinky.cs.nyu.edu!slinky.cs.nyu.edu!nobody
From: m-it2691@cs.nyu.edu (Tim Tsai)
Newsgroups: sci.electronics,comp.protocols.time.ntp,rec.radio.shortwave,rec.ham-radio
Subject: Re: GPS or WWV receivers
Date: 22 Jan 1994 16:56:21 -0500
Organization: New York University
Lines: 20
Distribution: inet
Message-ID: <2hs7e5$mp4@sparky.cs.nyu.edu>
References: <CJw9qG.6tJ@rss.dl.nec.com> <1994Jan20.065437.11487@unlv.edu>
<CK04J0.3t1@newsserver.pixel.kodak.com> <2hro09$gn@crl2.crl.com>
NNTP-Posting-Host: sparky.cs.nyu.edu

>: > advertisement in GPS world. Interface is NMEA0183 or RS232. Time
>: > Mark is +/- 1 microsecond.
>: >

>RS232 eh? Let's see -- characters come into the receive buffer on
>the UART at a rate of 52 microseconds per character (assuming 19.2 KB)

>and then sit there for some number of microprocessor clock cycles
>before they are read from the buffer by the micro. Of course, it takes
>multiple characters to get the time --- there goes your one microsecond
>accuracy!

The higher end Novatel receivers have a TTL strobe that can be used
for this purpose.

Tim

From -5786511127837104408
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7aaf33298e812a02
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7aaf33298e812a02
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c572,7aaf33298e812a02
X-Google-Attributes: gid10c572,public
X-Google-Thread: 105d97,7aaf33298e812a02
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1994-01-25 20:53:55 PST
Xref: gmd.de sci.electronics:46304 comp.protocols.time.ntp:2409
rec.radio.shortwave:17130
Newsgroups: sci.electronics,comp.protocols.time.ntp,rec.radio.shortwave,rec.ham-radio
Path: gmd.de!xlink.net!howland.reston.ans.net!news.intercon.com!psinntp!relay1!
unislc!mgc
From: mgc@unislc.slc.unisys.com (Marc Christensen)
Subject: Re: GPS or WWV receivers
X-Newsreader: TIN [version 1.2 PL0]
References: <CJw9qG.6tJ@rss.dl.nec.com> <1994Jan20.065437.11487@unlv.edu>
<CK04J0.3t1@newsserver.pixel.kodak.com> <2hro09$gn@crl2.crl.com>
<2hs7e5$mp4@sparky.cs.nyu.edu>
Message-ID: <1994Jan24.202938.4873@unislc.slc.unisys.com>
Followup-To: sci.electronics,comp.protocols.time.ntp,rec.radio.shortwave,rec.ham-radio
Organization: Unisys Corporation SLC
Distribution: inet
Date: Mon, 24 Jan 1994 20:29:38 GMT
Lines: 26

Tim Tsai (m-it2691@cs.nyu.edu) wrote:
: >: > advertisement in GPS world. Interface is NMEA0183 or RS232. Time
: >: > Mark is +/- 1 microsecond.
: >: >

: >RS232 eh? Let's see -- characters come into the receive buffer on

: >the UART at a rate of 52 microseconds per character (assuming 19.2 KB)
: >and then sit there for some number of microprocessor clock cycles
: >before they are read from the buffer by the micro. Of course, it takes
: >multiple characters to get the time --- there goes your one microsecond
: >accuracy!

:   The higher end Novatel receivers have a TTL strobe that can be used
: for this purpose.

I took the information home but the unit described here also has the
same type of setup.
Watch for the strobe, Read what time it was, Calculate any error, Update
your timebase.

Marc Christensen

From -8861561989638528666
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1152b8,5214d789e4a5910b,start
X-Google-Attributes: gid1152b8,public
X-Google-Thread: 10c9e3,5214d789e4a5910b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f98a5,5214d789e4a5910b,start
X-Google-Attributes: gidf98a5,public
X-Google-Thread: 10807f,5214d789e4a5910b,start
X-Google-Attributes: gid10807f,public
X-Google-ArrivalTime: 1994-01-28 01:08:00 PST
Xref: gmd.de rec.boats:24135 rec.windsurfing:8488
Path: gmd.de!xlink.net!howland.reston.ans.net!pipex!sunic!news.funet.fi!
nntp.hut.fi!beta.hut.fi!jmunkki
From: jmunkki@beta.hut.fi (Juri Munkki)
Newsgroups: rec.boats,rec.windsurfing,rec.aviation,rec.ham-radio
Subject: Weather facsimile program for Macintosh now available
Date: 27 Jan 1994 11:26:37 GMT
Organization: Helsinki University of Technology
Lines: 25
Distribution: inet
Message-ID: <2i88dd$ecp@nntp.hut.fi>
NNTP-Posting-Host: beta.hut.fi

There are dozens of stations around the world transmitting weather maps
using an analog facsimile technique. Anyone with a good enough radio and
the necessary hardware and software can receive and view these maps.

A few days ago, I released a shareware program that allows a Macintosh
with built-in sound input and color quickdraw to receive these maps
and diagrams in 16 shades of gray.

The program is available with anonymous ftp from sumex-aim.stanford.edu
and was archived as: /info-mac/comm/rad-fax-09.hqx

The shareware fee is $25 and I will send Think C source code to those
who send me the shareware fee. All you need a Mac with a microphone or
the attenuating cable. (I have mostly used the microphone, since
connecting a cable from the Mac to my radio adds a lot of noise to
the signal.)

Maps typically include the current weather situation at different
altitudes and forecasts. The about box of the program includes a
tiny fragment from a map that I received. (Showing Iceland and
parts of Scandinavia.)

--
Juri Munkki   Newton: It's 1984 all over again...
jmunkki@hut.fi   Windsurfing: Faster than the wind.

From -2729735992410667075
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1152b8,5214d789e4a5910b
X-Google-Attributes: gid1152b8,public
X-Google-Thread: 10c9e3,5214d789e4a5910b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f98a5,5214d789e4a5910b
X-Google-Attributes: gidf98a5,public
X-Google-Thread: 10807f,5214d789e4a5910b
X-Google-Attributes: gid10807f,public
X-Google-ArrivalTime: 1994-01-28 22:47:01 PST
Xref: gmd.de rec.boats:24197 rec.windsurfing:8495
Newsgroups: rec.boats,rec.windsurfing,rec.aviation,rec.ham-radio
Path: gmd.de!xlink.net!howland.reston.ans.net!vixen.cso.uiuc.edu!sdd.hp.com!
nigel.msen.com!well!robot
From: robot@well.sf.ca.us (Bob Galvan)
Subject: Re: Weather facsimile program for Macintosh now available
Message-ID: <CKBxvD.7vt@well.sf.ca.us>
Sender: news@well.sf.ca.us
Nntp-Posting-Host: well.sf.ca.us
Organization: The Whole Earth 'Lectronic Link, Sausalito, CA
References: <2i88dd$ecp@nntp.hut.fi>
Distribution: inet
Date: Fri, 28 Jan 1994 07:52:24 GMT
Lines: 8

>There are dozens of stations around the world transmitting weather maps
using an analog facsimile technique.

So why aren't they on the Internet?   These maps have gotta be on some big
government computers.

```
From -8681499912338223666
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1152b8,5214d789e4a5910b
X-Google-Attributes: gid1152b8,public
X-Google-Thread: 10c9e3,5214d789e4a5910b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f98a5,5214d789e4a5910b
X-Google-Attributes: gidf98a5,public
X-Google-Thread: 10807f,5214d789e4a5910b
X-Google-Attributes: gid10807f,public
X-Google-ArrivalTime: 1994-01-29 07:53:30 PST
Xref: gmd.de rec.boats:24220 rec.windsurfing:8498
Path: gmd.de!Germany.EU.net!EU.net!news.funet.fi!nntp.hut.fi!beta.hut.fi!jmunkki
From: jmunkki@beta.hut.fi (Juri Munkki)
Newsgroups: rec.boats,rec.windsurfing,rec.aviation,rec.ham-radio
Subject: Re: Weather facsimile program for Macintosh now available
Date: 28 Jan 1994 13:43:17 GMT
Organization: Helsinki University of Technology
Lines: 16
Distribution: inet
Message-ID: <2ib4pl$87u@nntp.hut.fi>
References: <2i88dd$ecp@nntp.hut.fi> <CKBxvD.7vt@well.sf.ca.us>
NNTP-Posting-Host: beta.hut.fi

In article <CKBxvD.7vt@well.sf.ca.us> robot@well.sf.ca.us (Bob Galvan) writes:
>
>>There are dozens of stations around the world transmitting weather maps
>using an analog facsimile technique.
>
>
>So why aren't they on the Internet?   These maps have gotta be on some big
>government computers.

I have been receiving mostly Russian maps and those are mostly hand drawn over
photocopied maps and I suspect that the transmitting analog fax machine hasn't
even heard of computers. This technology is old and dates far back.

--
  Juri Munkki               Newton: It's 1984 all over again...
 jmunkki@hut.fi                  Windsurfing: Faster than the wind.


From 4554014136593329868
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1152b8,5214d789e4a5910b
X-Google-Attributes: gid1152b8,public
X-Google-Thread: 10c9e3,5214d789e4a5910b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f98a5,5214d789e4a5910b
X-Google-Attributes: gidf98a5,public
```

```
X-Google-Thread: 10807f,5214d789e4a5910b
X-Google-Attributes: gid10807f,public
X-Google-ArrivalTime: 1994-01-29 17:56:48 PST
Xref: gmd.de rec.boats:24254 rec.windsurfing:8506
Path: gmd.de!Germany.EU.net!EU.net!news.eunet.fi!news.relevantum.fi!relevantum.fi!
rami
From: rami@relevantum.fi (Raimo Harju)
Newsgroups: rec.boats,rec.windsurfing,rec.aviation,rec.ham-radio
Subject: Re: Weather facsimile program for Macintosh now available
Followup-To: rec.boats,rec.windsurfing,rec.aviation,rec.ham-radio
Date: 28 Jan 1994 16:48:42 GMT
Organization: Relevantum Oy, Tampere, Finland
Lines: 15
Distribution: inet
Message-ID: <2ibfla$jv5@relevantum.fi>
References: <2i88dd$ecp@nntp.hut.fi>
NNTP-Posting-Host: relevantum.fi
X-Newsreader: TIN [version 1.2 PL2]

Juri Munkki (jmunkki@beta.hut.fi) wrote:
: There are dozens of stations around the world transmitting weather maps
: using an analog facsimile technique. Anyone with a good enough radio and
: the necessary hardware and software can receive and view these maps.

Would be happy to know, where to find information about the frequencies ?
Which modulation the transmitting stations are using ? AM, SSB,...?

 Wonders  Rami

--

    Raimo Harju             Relevantum
    rami@relevantum.fi      Nasilinnankatu 24 D       tel. +358 31 2147200
                            33210 Tampere, Finland    fax. +358 31 2147402


From -2070752661556603420
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e5f1b9d5bcc160c1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,e5f1b9d5bcc160c1,start
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1994-01-29 18:23:57 PST
Newsgroups: rec.ham-radio,rec.radio.amateur.misc
Path: gmd.de!Germany.EU.net!EU.net!howland.reston.ans.net!usenet.ins.cwru.edu!eff!
news.kei.com!ddsw1!chinet!drx
From: drx@chinet.chinet.com (Scott Whittle)
Subject: Log periodic which covers 6 Meter band?
Message-ID: <CKCn0o.L86@chinet.chinet.com>
Organization: Chinet - Public Access UNIX
Date: Fri, 28 Jan 1994 16:55:35 GMT
Lines: 9
```

Anyone know of a company which sells a Log periodic antenna which covers
the 6 meter Band??

Thanks,
Scott

--
Scott Whittle (drx)   drx@chinet.chi.il.us

```
From 4909067755445324038
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7aaf33298e812a02
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7aaf33298e812a02
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c572,7aaf33298e812a02
X-Google-Attributes: gid10c572,public
X-Google-Thread: 105d97,7aaf33298e812a02
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1994-01-30 23:48:35 PST
Xref: gmd.de sci.electronics:46827 comp.protocols.time.ntp:2427
rec.radio.shortwave:17325
Newsgroups: sci.electronics,comp.protocols.time.ntp,rec.radio.shortwave,rec.ham-
radio
Path: gmd.de!xlink.net!howland.reston.ans.net!agate!dog.ee.lbl.gov!
hellgate.utah.edu!lanl!newshost!ramz
From: ramz@lanl.gov (Rick Ramsey)
Subject: Re: GPS or WWV receivers
Message-ID: <ramz.1110390155B@newshost.lanl.gov>
Followup-To: sci.electronics,comp.protocols.time.ntp,rec.radio.shortwave,rec.ham-
radio
Sender: news@newshost.lanl.gov
Organization: Los Alamos National Laboratory
X-Newsreader: VersaTerm Link v1.1.1
References: <CJw9qG.6tJ@rss.dl.nec.com> <1994Jan20.065437.11487@unlv.edu>
<CK04J0.3t1@newsserver.pixel.kodak.com> <2hro09$gn@crl2.crl.com>
<2hs7e5$mp4@sparky.cs.nyu.edu> <1994Jan24.202938.4873@unislc.slc.unisys.com>
Distribution: inet
Date: Mon, 31 Jan 1994 07:48:35 GMT
Lines: 16
```

In Article <1994Jan24.202938.4873@unislc.slc.unisys.com>,
mgc@unislc.slc.unisys.com (Marc Christensen) wrote:

```
>Tim Tsai (m-it2691@cs.nyu.edu) wrote:
>: >: >  advertisement in GPS world.  Interface is NMEA0183 or RS232.
                          ^^^^^^^^^
```

Is 'GPS world' a magazine??? If not, what is it?

I have a Trimble FliteMate GPS receiver that I use for trail survey work,
and I'm interested in all things GPS. Any help with info on where to look
would be appreciated. This newsgroup is the only place I've found GPS

mentioned.

Thanks,
Rick
....
Rick Ramsey ramz@lanl.gov Los Alamos,NM 505/662-2447 evenings.

From 5964206349621284421
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1152b8,5214d789e4a5910b
X-Google-Attributes: gid1152b8,public
X-Google-Thread: 10c9e3,5214d789e4a5910b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f98a5,5214d789e4a5910b
X-Google-Attributes: gidf98a5,public
X-Google-Thread: 10807f,5214d789e4a5910b
X-Google-Attributes: gid10807f,public
X-Google-ArrivalTime: 1994-01-31 06:04:46 PST
Xref: gmd.de rec.boats:24329 rec.windsurfing:8521
Newsgroups: rec.boats,rec.windsurfing,rec.aviation,rec.ham-radio
Path: gmd.de!urmel.informatik.rwth-aachen.de!newsserver.rrzn.uni-hannover.de!
rz.uni-hildesheim.de!baghira.han.de!gkminix!gero
From: gero@gkminix.han.de (Gero Kuhlmann)
Subject: Re: Weather facsimile program for Macintosh now available
References: <2i88dd$ecp@nntp.hut.fi> <2ibfla$jv5@relevantum.fi>
Organization: gkminix, Hannover, Germany
Date: Sun, 30 Jan 94 03:16:54 GMT
X-Newsreader: TIN [version 1.2 PL2]
Message-ID: <1994Jan30.031654.1031@gkminix.han.de>
Distribution: inet
Lines: 31

Hello,

Raimo Harju (rami@relevantum.fi) wrote:
> Juri Munkki (jmunkki@beta.hut.fi) wrote:
> : There are dozens of stations around the world transmitting weather maps
> : using an analog facsimile technique. Anyone with a good enough radio and
> : the necessary hardware and software can receive and view these maps.
>
> Would be happy to know, where to find information about the frequencies ?
> Which modulation the transmitting stations are using ? AM, SSB,...?

For Finland you could try:

```
1877.7 kHz (OFH)  2804.7 kHz (OHG)  2811.7 kHz (OHG)  8018.0 kHz (OFB28)
```

Probably Meteo Bracknell in London is a lot more interesting:

```
3289.5 kHz (GFA21)  4610.0 kHz (GFA22)  8040.0 kHz (GFA23)  11086.5 kHz (GFA24)
2618.5 kHz (GFE25)  4782.0 kHz (GFE21)  9203.0 kHz (GFE22)  14436.0 kHz (GFE23)
```

```
I don't know, wether all the frequencies are still correct.

The modulation is usually F3C. The analog data format is called WEFAX.

Sincerely, gero.

--
Was wir damals als TPA hatten, verheizen wir doch heute in einem einzigen
I/O-Buffer!                             - Martin P. Ibert (ueber CP/M)
--
Gero Kuhlmann, Hannover     0511/6043245 (Voice)        gero@gkminix.han.de


From 2159844345013921335
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7aaf33298e812a02
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c572,7aaf33298e812a02
X-Google-Attributes: gid10c572,public
X-Google-Thread: 105d97,7aaf33298e812a02
X-Google-Attributes: gid105d97,public
X-Google-Thread: 114aac,7aaf33298e812a02
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1994-02-01 03:56:51 PST
Xref: gmd.de sci.electronics:46927 comp.protocols.time.ntp:2438
rec.radio.shortwave:17350
Newsgroups: sci.electronics,comp.protocols.time.ntp,rec.radio.shortwave,rec.ham-
radio
Path: gmd.de!xlink.net!howland.reston.ans.net!pipex!sunic!news.chalmers.se!
etek.chalmers.se!hoven
From: hoven@etek.chalmers.se (Hans-Ove Frimodig)
Subject: Re: GPS or WWV receivers
Message-ID: <1994Feb1.115651.4571@etek.chalmers.se>
Sender: news@etek.chalmers.se (USENET News System)
Organization: Chalmers University of Technology, Gothenburg, Sweden
References: <2hs7e5$mp4@sparky.cs.nyu.edu>
<1994Jan24.202938.4873@unislc.slc.unisys.com> <ramz.1110390155B@newshost.lanl.gov>
Distribution: inet
Date: Tue, 1 Feb 94 11:56:51 GMT
Lines: 9

In article <ramz.1110390155B@newshost.lanl.gov> ramz@lanl.gov (Rick Ramsey)
writes:
>would be appreciated.  This newsgroup is the only place I've found GPS
>mentioned.

It is also mentioned in comp.infosystems.gis

Hans-Ove Frimodig
hoven@cd.chalmers.se
```

From 2613580747232822172
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7aaf33298e812a02
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7aaf33298e812a02
X-Google-Attributes: gid114aac,public
X-Google-Thread: 105d97,7aaf33298e812a02
X-Google-Attributes: gid105d97,public
X-Google-Thread: 10c572,7aaf33298e812a02
X-Google-Attributes: gid10c572,public
X-Google-ArrivalTime: 1994-02-02 02:35:45 PST
Xref: gmd.de sci.electronics:46866 comp.protocols.time.ntp:2432 rec.radio.shortwave:17333
Path: gmd.de!xlink.net!howland.reston.ans.net!europa.eng.gtefsd.com!emory!news-feed-2.peachnet.edu!concert!news-feed-1.peachnet.edu!insosf1.infonet.net!usenet
From: rathinam@ins.infonet.net
Newsgroups: sci.electronics,comp.protocols.time.ntp,rec.radio.shortwave,rec.ham-radio
Subject: Re: GPS or WWV receivers
Date: 1 Feb 1994 15:42:05 GMT
Organization: INFOnet - Iowa Network Services, Inc.
Lines: 25
Distribution: inet
Message-ID: <2ilt8d$clq@insosf1.infonet.net>
References: <CJw9qG.6tJ@rss.dl.nec.com> <1994Jan20.065437.11487@unlv.edu>
<CK04J0.3t1@newsserver.pixel.kodak.com> <2hro09$gn@crl2.crl.com>
<2hs7e5$mp4@sparky.cs.nyu.edu>
<1994Jan24.202938.4873@unislc.slc.unisys.com>,<ramz.1110390155B@newshost.lanl.gov>
Reply-To: rathinam@ins.infonet.net
NNTP-Posting-Host: ins.infonet.net

In article <ramz.1110390155B@newshost.lanl.gov>, ramz@lanl.gov (Rick Ramsey) writes:

```
>In Article <1994Jan24.202938.4873@unislc.slc.unisys.com>,
>mgc@unislc.slc.unisys.com (Marc Christensen) wrote:
>>Tim Tsai (m-it2691@cs.nyu.edu) wrote:
>>: >: >  advertisement in GPS world.  Interface is NMEA0183 or RS232.
>                           ^^^^^^^^^
>Is 'GPS world' a magazine???  If not, what is it?
>
>I have a Trimble FliteMate GPS receiver that I use for trail survey work,
>and I'm interested in all things GPS.  Any help with info on where to look
>would be appreciated.  This newsgroup is the only place I've found GPS
>mentioned.
>
```

Yes, GPS WORLD is a magazine with Editorial Offices in Oregon/USA.
(503)-343-1200

(Subscriptions (800)949-6525 - and I am in no way associated with
the magazine - just read it once in a while.)

The January 1994 issue has a special survey section on GPS Receivers.

--
rathinam@ins.infonet.net

From 6359106646481896089
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,59d2d324e4f3cfae,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,59d2d324e4f3cfae,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc2a5,59d2d324e4f3cfae,start
X-Google-Attributes: gidfc2a5,public
X-Google-ArrivalTime: 1994-03-22 18:30:39 PST
Xref: gmd.de rec.radio.amateur.homebrew:2111 rec.radio.amateur.equipment:2481
Path: gmd.de!xlink.net!howland.reston.ans.net!gatech!mailer.acns.fsu.edu!
usenet.ufl.edu!usenet.cis.ufl.edu!slip-b3.cis.ufl.edu!cmcl
From: cmcl@beach.cis.ufl.edu (Jon)
Newsgroups: rec.radio.amateur.homebrew,rec.ham-radio,rec.radio.amateur.equipment
Subject: Changing freq of Channel Elements on GE Master II Radios (HELP)
Date: Tue, 22 Mar 1994 18:30:39
Organization: University of Florida (Computer Science Department)
Lines: 18
Message-ID: <cmcl.19.00128357@beach.cis.ufl.edu>
NNTP-Posting-Host: slip-b3.cis.ufl.edu
X-Newsreader: Trumpet for Windows [Version 1.0 Rev A]

Hey everyone, I am looking for some information on how to retune the channel elements for GE Master II radios. (I guess these channel elements are also referred to as "ICOMs" i.e. they have the word ICOM written on top of them, anybody who is familiar with these knows what I am talking about.) Anyway, I want to order crystals for these things and retune them myself, rather than sending the channel elements in to be recrystalled for me. (I am hoping to save some money.....) I am hoping that someone out there can fill me a little bit more on how these things are tuned. I know that there are several small parallel lines on the back of the circuit board that are supposed to be used for varying the capacitance, but am not sure of exactly how to go about this. I don't want to have to cut and resolder one by one to see what happens... Looking inside the units that I have, none of these lines have been cut, they are all connected...   Anyway, any help would be appreciated!!!

Thanks in advance!   - JON

Please reply either here or to email at CMCL@BEACH.CIS.UFL.EDU

From 7598053195507550234
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aef6c10a5317075b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,aef6c10a5317075b,start

X-Google-Attributes: gid107ada,public
X-Google-Thread: 108122,aef6c10a5317075b,start
X-Google-Attributes: gid108122,public
X-Google-Thread: f76e2,aef6c10a5317075b,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1994-03-27 22:59:32 PST
Xref: gmd.de rec.radio.amateur.equipment:2676 rec.radio.amateur.misc:42458
Path: gmd.de!xlink.net!rz.uni-karlsruhe.de!news.uni-stuttgart.de!news.belwue.de!news.dfn.de!news.dfn.de!news.dkrz.de!dscomsa.desy.de!CERN.ch!EU.net!howland.reston.ans.net!sol.ctr.columbia.edu!news.columbia.edu!bonjour.cc.columbia.edu!mrw13
From: mrw13@bonjour.cc.columbia.edu (Marc Richard Wollemborg)
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc
Subject: Buying an HT -- Advice Wanted
Date: 28 Mar 1994 06:59:32 GMT
Organization: Columbia University
Lines: 18
Distribution: usa
Message-ID: <2n5v8k$6dv@apakabar.cc.columbia.edu>
NNTP-Posting-Host: bonjour.cc.columbia.edu

I am interested in purchasing an HT would like some advice as to what are good models and the costs I am likely to run into. I plan on also using the HT as a scanner, so it must be able to pick up local police, fire, etc. as well as aircraft frequencies. I understand many HTs can get these frequencies but they need to be "modified" before hand, about how much does this cost? I have heard of dual-band HTs but am not totally sure as to what this means -- any helpful comments? One other consideration, I guess I might as well get a fairly powerful model as well (5 watts?) -- additional options (like getting cellular frequencies, a keypad with hundreds of features are nice, but not necessary. Where is the best and cheapest place to get such equipment? Also willing to buy a used model. Please email any responses.

Thanks in advance,

Marc Wollemborg
<mrw13@columbia.edu>

From 4529244241059819041
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0e07d4d2c3319e9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,d0e07d4d2c3319e9,start
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1994-05-07 02:01:11 PST
Path: bga.com!news.sprintlink.net!sundog.tiac.net!usenet.elf.com!rpi!usc!nic-nac.CSU.net!charnel.ecst.csuchico.edu!olivea!uunet!news.ingr.com!steven.b15.ingr.com!steven.b15.ingr.com!not-for-mail
From: rhhopper@steven.b15.ingr.com (Randall H. Hopper)

Newsgroups: rec.radio.amateur.misc,rec.ham-radio
Subject: (?) Airport Frequencies for San Francisco
Date: 5 May 1994 07:31:57 -0500
Organization: Intergraph Corporation, Huntsville, AL
Lines: 17
Distribution: usa
Message-ID: <2qaovt$j6@steven.b15.ingr.com>
Reply-To: rhhopper@horsies.b15.ingr.com
NNTP-Posting-Host: steven.b15.ingr.com
Summary: Request for Control Tower Frequencies for San Francisco International
Keywords: airport frequency san francisco

I'm going to be visiting San Francisco in the next couple of days, and I would like to get the control tower frequencies for the San Francisco International Airport. Unfortunately I don't have the "Police Calls" book for the Western USA, and I can't pick one up at the local Radio Shack (I live in Alabama).

If someone out there happens to have these frequencies, I'd sure appreciate it if you'd e-mail them to me. I'm taking my HT, and since I'll be staying close to the airport, I'd like to tune in while I'm there and listen to what's going on.

Thanks in advance.

Randall Hopper
KD4VCR
rhhopper@ingr.com

From -8198003242558168199
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7d30c490151ecc3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,7d30c490151ecc3,start
X-Google-Attributes: gid106d41,public
X-Google-ArrivalTime: 1994-05-19 07:54:23 PST
Path: bga.com!news.sprintlink.net!hookup!paladin.american.edu!gatech!swrinde!
pipex!uknet!EU.net!sunic!news.funet.fi!news.eunet.fi!news.spb.su!KremlSun!kiae!
relcom!newsserv
From: Andrej N. Mikhailov <andy@sovtest.kursk.su>
Newsgroups: rec.radio.cb,rec.ham-radio
Subject: Representative of CB or HF company in Russia
Date: Thu, 19 May 94 16:35:04 +0400
Distribution: world
Organization: JV SOVTEST Ltd
Message-ID: <AAuprsjm95@sovtest.kursk.su>
Sender: news-service@kiae.su
Reply-To: andy@sovtest.kursk.su
Keywords: Representative
X-Return-Path: kiae!sovtest!sovtest.kursk.su!andy
Lines: 15

Gentlemen,

I seeking businessmen or companies, which want to find dealers of CB or HF equipment in Russia, or open representatives here.

If you have some interests in this business, I'd want to discuss this problem with you in direct E-mail.

With best regardings,

Andrej N. Mikhailov "Andy"
andy@sovtest.kursk.su

From 8046196445585278579
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7d30c490151ecc3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,7d30c490151ecc3
X-Google-Attributes: gid106d41,public
X-Google-ArrivalTime: 1994-05-19 20:31:09 PST
Path: bga.com!news.sprintlink.net!hookup!news.kei.com!eff!news.duke.edu!news-feed-1.peachnet.edu!gatech!swrinde!elroy.jpl.nasa.gov!decwrl!pagesat.net!news.cerf.net!coyote.rain.org!coyote!leigh
From: leigh@rain.org (Leigh Marrin)
Newsgroups: rec.radio.cb,rec.ham-radio
Subject: Re: Representative of CB or HF company in Russia
Date: 19 May 1994 19:42:09 -0700
Organization: Regional Access Information Network
Lines: 15
Message-ID: <leigh.769401364@coyote>
References: <AAuprsjm95@sovtest.kursk.su>
NNTP-Posting-Host: rain.org
Keywords: Representative

Andrej, Uniden of Japan is supposed to make about 70% of the world's CB/11 meter radios, so hopefully you can find an address for them.

For your section of Russia, which 11 meter frequencies and what transmission modes & power levels are legal?

A few years ago, a Southern California CB store owner told me that he had sold quite a few illegal CB radios (which covered from 26 to 28 mhz with up to 20 watts of SSB) to Russian fishing boats, that were in port at San Diego. Evidently there was nothing like them available in the USSR in the late 1980's.

73 from Santa Barbara. --Leigh.

From 1349007713721989250
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f13b6c47246f2ab,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,4f13b6c47246f2ab,start
X-Google-Attributes: gid108122,public
X-Google-Thread: 107ada,4f13b6c47246f2ab,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc2a5,4f13b6c47246f2ab,start
X-Google-Attributes: gidfc2a5,public
X-Google-ArrivalTime: 1994-05-26 03:14:45 PST
Path: bga.com!news.sprintlink.net!sundog.tiac.net!usenet.elf.com!rpi!gatech!swrinde!sgiblab!gatekeeper.us.oracle.com!oracle!unrepliable!bounce
Newsgroups: rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc
From: usenet@oracle.us.oracle.com (Oracle News Poster)
Subject: Converting an old HT-220 to 2M
Message-ID: <1994May25.203349.11883@oracle.us.oracle.com>
Nntp-Posting-Host: erpyr.us.oracle.com
Organization: Oracle Corp., Redwood Shores CA
Date: Wed, 25 May 1994 20:33:49 GMT
X-Disclaimer: This message was written by an unauthenticated user
at Oracle Corporation. The opinions expressed are those
of the user and not necessarily those of Oracle.
Lines: 28
Xref: bga.com rec.radio.amateur.equipment:2358 rec.radio.amateur.homebrew:1573 rec.radio.amateur.misc:8844

I have a Motorola Ht-220 Type CC3540 Serial # L06K2D Model H33FFN1100E. It transmits and Receives on 163.5375 MHz. It has a 15 Volt NiCad. It is crystal controlled. I would like to convert this to 2 meter. Does anyone know how I can do this? I should be able to swap out crystals, shouldn't I?

The numbers on the crystals (as best as I can tell) are:

xmit: 18170.8
rcv: 48912.50

What do these numbers mean and how are they related to the transmit and recieve freqs? There is also a "PL Reed" that I will probably need. What is this? Motorola wants $90 I DON'T THINK SO!. I'd like to substitute with something a little less pricey.

Last (and least?) I need a charger for the Ni-CAD. I'd like to build it myself. Any plans out there?

I live in Columbus Ohio but I travel extensively. I will soon be in the Detroit Michigan area, anyone up there that can help me? Please respond via email as my access to news is erratic.

My email address is:

dmarsh@oracle.us.com

So many questions, so few answers.

Doug N8TUT

From -8128384248301010772
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f13b6c47246f2ab
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108122,4f13b6c47246f2ab
X-Google-Attributes: gid108122,public
X-Google-Thread: fc2a5,4f13b6c47246f2ab
X-Google-Attributes: gidfc2a5,public
X-Google-Thread: 107ada,4f13b6c47246f2ab
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1994-05-26 04:29:00 PST
Newsgroups: rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc
Path: bga.com!news.sprintlink.net!hookup!news.kei.com!yeshua.marcam.com!charnel.ecst.csuchico.edu!psgrain!library.ucla.edu!csulb.edu!csus.edu!netcom.com!wa2ise
From: wa2ise@netcom.com (Robert Casey)
Subject: Re: Converting an old HT-220 to 2M
Message-ID: <wa2iseCqEAs2.2pC@netcom.com>
Organization: Netcom Online Communications Services (408-241-9760 login: guest)
References: <1994May25.203349.11883@oracle.us.oracle.com>
Date: Thu, 26 May 1994 05:48:01 GMT
Lines: 37
Xref: bga.com rec.radio.amateur.equipment:2360 rec.radio.amateur.homebrew:1574 rec.radio.amateur.misc:8849

In article <1994May25.203349.11883@oracle.us.oracle.com>
usenet@oracle.us.oracle.com (Oracle News Poster) writes:
>   I have a Motorola Ht-220 Type CC3540 Serial # L06K2D Model H33FFN1100E.
>It transmits and Receives on 163.5375 MHz. It has a 15 Volt NiCad. It is
>crystal controlled. I would like to convert this to 2 meter. Does anyone
>know how I can do this? I should be able to swap out crystals, shouldn't I?
>   The numbers on the crystals (as best as I can tell) are:
>
>   xmit: 18170.8
>   rcv: 48912.50
>
these are the crystal freqs in KHz. the xmit crystal is 1/9th the xmit freq.

The recieve crystal freq = (recieve freq - 16.8MHz)/3   The 1st if is 16.8MHz.
2nd is 455KHz.

You'll have to tweak the front end recieve LC circuits some, but don't touch

the IFs. And tweak all the xmit LCs. How to tell apart? You should get
the service manual. Mine refers to H23ff...., so yours may differ some.
You might need to add some tiny caps (both physically and in the pF range)
to get the LCs down from 163 to 146.

There is also a "PL Reed" that I will probably need. What
>is this? Motorola wants $90 I DON'T THINK SO!. I'd like to substitute with
>something a little less pricey.
If the reed is "4A", it may be compatable with the local repeaters. or the
reed circuits could be removed, but there's some small change to make to
the squelch.

As for the NiCads, I wouldn't be suprised that they might be dead now.
I mean not chargable anymore.

I've been using an HT220 board or my packet radio, crystaled on 145.07MHz.
Coupled with a small power amp stage to generate about 8Watts. It's been
going for 5 or more years in this service, and the friend who gave it to
me had it this way (different freq's for voice work) ten or more years
before. It just keeps on going.... We run it off a power supply, and
I'm using a J pole antenna.

From -7780445644557320927
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 108122,4f13b6c47246f2ab
X-Google-Attributes: gid108122,public
X-Google-Thread: 10c9e3,4f13b6c47246f2ab
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,4f13b6c47246f2ab
X-Google-Attributes: gid107ada,public
X-Google-Thread: fc2a5,4f13b6c47246f2ab
X-Google-Attributes: gidfc2a5,public
X-Google-ArrivalTime: 1994-05-26 09:39:41 PST
Path: bga.com!news.sprintlink.net!demon!uknet!pipex!howland.reston.ans.net!
spool.mu.edu!bloom-beacon.mit.edu!senator-bedfellow.mit.edu!space.mit.edu!crispy
From: crispy@space.mit.edu (Chris Pak)
Newsgroups: rec.ham-
radio,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.mis
c
Subject: Re: Converting an old HT-220 to 2M
Date: 26 May 1994 13:21:04 GMT
Organization: MIT Center for Space Research
Lines: 18
Distribution: world
Message-ID: <2s27o0$9i1@senator-bedfellow.MIT.EDU>
References: <1994May25.203349.11883@oracle.us.oracle.com>
<wa2iseCqEAs2.2pC@netcom.com>
NNTP-Posting-Host: 18.75.0.24
Xref: bga.com rec.radio.amateur.equipment:2372 rec.radio.amateur.homebrew:1579
rec.radio.amateur.misc:8870

By the way, I have 5 Motolora HT-220 for sale. I would like $35/ea or 150/all.

For more info, e-mail to crispy@space.mit.edu.

thanks,

Christopher S. Pak
Massachusetts Institute of Technology
Center for Space Research
37-487
77 Massachusetts Ave.
Cambridge, MA 02139
Phone: (617)253-9342
Fax: (617) 253-0861
E-mail: crispy@space.mit.edu

From -5873247121647829339
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8590fb3ebc93d05c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-27 06:02:33 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!hydra!cc.helsinki.fi!stickler
From: stickler@cc.helsinki.fi
Newsgroups: rec.ham-radio
Subject: HELP! Need advice on 10m DX: US<->Europe
Message-ID: <1991Feb27.145229.5195@cc.helsinki.fi>
Date: 27 Feb 91 14:52:29 GMT
Organization: University of Helsinki
Lines: 20

Here's a good one for you DX enthusiasts...

I'm trying to get my brother to get the new code free "Communicator's" license so that I and my family can keep in touch more inexpensively (the international long distance telephone rates are killing me).

I'm in Finland and he's in Florida. Because the only realistic DX band he'll have available to him will be 10 meters, I need to figure out what kind of station configuration will work on 10 meters between Finland and Florida.

I'm a newcomer myself to amateur radio, so I could really use some expert advice from some of you DX folks.

What is the minimum functional station configuration for DX phone communications between Finland and Florida on 10 meters??

How much power will we need? What is the 'best' antenna configuration?
What are the best times of the day/year for 10 meters US<->Europe?

From 7130602435457115568
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7beef36933d3f01f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-27 12:40:15 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!usc!apple!agate!ucbvax!UMAB.UMD.EDU!LJACK
From: LJACK@UMAB.UMD.EDU (Larry Jack)
Newsgroups: rec.ham-radio
Subject: Info-Hams Digest V91 #190
Message-ID: <9102271945.AA00116@ucsd.edu>
Date: 27 Feb 91 18:45:34 GMT
References: <info-hams-relay@UCSD.EDU>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 29

From: ed like an "I"

Is someone using my call letters? asks Scott, KA3HZY

I agree with the others that wrote, that your call sign was most likely mis identified; something not too uncommon if it was a DX contact from the US to a nonnative English speaking ham. The "Y" might well have sounded like an "I" to the Dutch station. I seriously doubt anyone was bootlegging your callsign.

This all brought back a flash of memories of the time I thought I caught some one red-handly using my call. It occurred in the Washington DC area, and on 6 meter CW, of all places. I heard a station working a fellow in the Midwest return to a "/3" station (for you new hams that is how we used to have to identify we were outside our original licensing districts) with what I could only initially pick out as MY callsign! I listened to the reply from the "/3" station, a strong local, who gave back

 "...d..e.......K...L...7...G...L...."

By now I was seeing red, a local in the Washington DC area on six meter using a my callsign, I was so sure I caught a bootlegger...
then he sent
              ...L..."   (De KL7GLL)

I turned out we had gotten our lcenses half a world away, almost on the same day and never met until then 20 years later on 6 CW in Washington DC.
Anyone is free to search for the moral here.
                                   Larry Jack KL7GLK / V77LJ

From 2299493228072344047
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8590fb3ebc93d05c

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,72e87e7bbc77a1d0
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1991-02-27 16:21:09 PST
Path: gmdzi!unido!infoac!dl3no
From: dl3no@infoac.rmi.de (Rupert Mohr)
Newsgroups: rec.ham-radio,rec.radio.amateur.misc
Subject: Re: HELP! Need advice on 10m DX: US<->Europe
Message-ID: <1991Feb27.214101.10990@infoac.rmi.de>
Date: 27 Feb 91 21:41:01 GMT
References: <1991Feb27.145229.5195@cc.helsinki.fi>
Sender: dl3no@infoac.rmi.de (Rupert Mohr)
Organization: RMI Net INFO.box Systems * Aachen * Hamburg * Flensburg
Lines: 19
Xref: gmdzi rec.ham-radio:20640 rec.radio.amateur.misc:259

stickler@cc.helsinki.fi writes:

>What is the minimum functional station configuration for DX phone
>communications between Finland and Florida on 10 meters??

>How much power will we need? What is the 'best' antenna configuration?
>What are the best times of the day/year for 10 meters US<->Europe?

You need something more than 1 Watt and something like a vertical antenna or better. If condx are good on ten, you don't need too much power. If condx are bad - nothing helps.

73,
Rupert
--

```
*****************************************************************
   ___  ____  ___    _  _ ___ ___   ___ ___ ___     ___ _  _
  /__/ / / /   /    /\ / /__   /   /__//__//   /__//__ /\ /
 / \  /   / __/_   /  / /__   /   /  //  //__ /  //__ /  /
```

From -8031404104137427850
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76489b0e31b4a973
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-27 21:14:57 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!samsung!rex!wuarchive!sdd.hp.com!hplabs!hpda!hpcupt1!hprnd!hprpcd!stan
From: stan@hprpcd.rose.hp.com (Stan Witherspoon)
Newsgroups: rec.ham-radio
Subject: Re: Anderson Power-pole connectorw (Was: DANGER in sexless Standard 12V DC Connectors
Message-ID: <15780009@hprpcd.rose.hp.com>
Date: 28 Feb 91 05:14:57 GMT
References: <524@wicat.UUCP>
Organization: HP, Systems Technology Div., Roseville, Ca.
Lines: 32

Here in Sacramento, I have found Anderson Power Pole connectors at Metro Electronics (1512 16 st, Sacramento, Ca. 96814 (916) 442-1512) and they had them in stock in 6 (!) colors, along with larger versions. (look at the battery connector on a forklift the next time you are in manufacturing and it probably will be made by Anderson).
Most of the clubs in the Sacramento area seem to be standardizing on the Andersons, probably because the ARES/RACES group and the Calif. Office of Emergency Services uses them.

Our club deceided to go with the Andersons and made a group purchase. Since most of us already had our own "standard" we just made a few adapters from our "standard" to the Andersons. They go in the bag along with the 2 prong to 3 prong adapter, BNC to So239, BNC to N,Stereo to mini stereo, stereo to RCA, ... ;-)

Face it, it's a nonstandard world out there!

If you need any Andersons, call Metro and they can send you some. If you do, say hi to Hugh Corkery (KA6CPN) for me.

Stan

```
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
~  Stan Witherspoon            ~      Disclaimer      ~
~  Systems Technology Division ~~~~~~~~~~~~~~~~~~~~~~~~
~  Hewlett Packard Company     ~ These are my         ~
~  8010 Foothills Blvd.        ~ personal opinions    ~
~  Roseville Ca. 95678         ~ and do not represent ~
~  Phone: (916) 785-5071       ~ the views of anyone  ~
~  RF: N6SCE                   ~ or anything else     ~
~  Email: ucbvax!hplabs!hprpcd!stan                   ~
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
```

From -6309236496409391620
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f1fdbbdf680097e9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-27 21:32:23 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!spool.mu.edu!sdd.hp.com!cs.utexas.edu!evax!utacfd!merch!cpe!stevedak
From: stevedak@cpe.UUCP
Newsgroups: rec.ham-radio
Subject: Re: Is Someone Using My Call Letters?
Message-ID: <37400017@cpe>
Date: 27 Feb 91 17:27:11 GMT
References: <121@psuvm.psu.edu>
Lines: 23
Nf-ID: #R:psuvm.psu.edu:121:cpe:37400017:000:1147
Nf-From: cpe.UUCP!stevedak   Feb 27 07:17:00 1991

>Hello,
>   I'm a ham who hasn't been active for the past several years, tho I have
>kept my license in order. I recently was surprised to receive a QSL card from
>a gentleman in the Netherlands confirming "our" contact in early January. In a
>letter, he said that it was with "peggy" from Maryland, but the call letters
>were mine (KA3HZY), and my name is Scott in Pennsylvania. Is there anyway I
>can find out if someone is actully using my letters illegally?
>Thanks in advance!
>
>   Scott Shay
>   KA3HZY

This is very common among foreign amateurs. Since english is not usually
their first language, mixups are frequent. This seems to be especially
true during contests. I have received numerous cards from overseas this
way. American hams are not immune either. I also have one card from here
in the states under the same circumstances. This is more likely what has
happened in your case. Pirates who use call signs at all tend to come up
with ones that haven't been assigned yet (don't ask me how I know that :>)

Steve Dakin
WQ5N (really my call... honest)

From -4590998962984591729
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,838af6807c4c6436
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-28 01:52:42 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!hplabs!hpfcso!hpfcbig!bame
From: bame@hpfcbig.SDE.HP.COM (Paul Bame)
Newsgroups: rec.ham-radio
Subject: Re: Really portable (15m-)antenna for QRP field usage.
Message-ID: <7650007@hpfcbig.SDE.HP.COM>
Date: 27 Feb 91 18:09:15 GMT
References: <1991Feb18.194938.18268@lth.se>
Organization: HP SESD, Fort Collins, CO
Lines: 9

Both the ARRL handbook and the antenna book have plans for a "portable
antenna" made of TV twin-lead which is just a folded dipole. I've made a
couple for 10m and they work well and match well to 50ohms. The 10m version
probably weighs less than 2lbs(1kg) - maybe less than 1(.5kg) including the
built-in twinlead feedline (mine is about 10'), part of which serves as the
matching network.

              -Paul Bame
              bame@fc.sde.hp.com N0KCL

From 6662206389439527793
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,b830b6531a6d9e98,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-28 04:13:35 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!lll-winken!uwm.edu!src.honeywell.com!msi.umn.edu!cs.umn.edu!kksys!wd0gol!orbit!pnet51!hca
From: hca@pnet51.orb.mn.org (H. Atlas)
Newsgroups: rec.ham-radio
Subject: TH77AT
Message-ID: <4239@orbit.cts.com>
Date: 28 Feb 91 05:05:00 GMT
Sender: news@orbit.cts.com
Organization: People-Net [pnet51], Minneapolis, MN.
Lines: 21

The person that originally modified my TH77AT tore the trace on the negative side of C124 completely off the board. Could someone please contact me with a description of where this trace originally ran so I can run a jumper to it? My schematic shows C132 and C133 connected closest to C124. I would like a diagram or description of where 132 and 133 are so I can reconnect the capacitor. The radio is currently working without this capacitor connected.

As I previously posted, I would also like to find out where the green jumper wire should be attached to enable 400-512 RX and TX. I believe it runs from IC10 to one side of C124 (yellow electrolytic).

Also, does anyone know if the service manual is available yet, and the cost?

Thank you,
Howard Atlas

UUCP: {amdahl!bungia, crash}!orbit!pnet51!hca
ARPA: crash!orbit!pnet51!hca@nosc.mil
INET: hca@pnet51.orb.mn.org
S.S.D.D.

From 9178589212169217503
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f61e54356f066482,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,f61e54356f066482,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1991-02-28 15:21:51 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!emory!gatech!mcnc!beguine!Jeffrey.Perry
From: Jeffrey.Perry@samba.acs.unc.edu (Jeffrey Perry)
Newsgroups: rec.ham-radio,rec.ham-radio.swap
Subject: Wanted DUPLEXER
Message-ID: <2790@beguine.UUCP>
Date: 28 Feb 91 20:38:19 GMT
Sender: usenet@beguine.UUCP
Followup-To: poster

Lines: 17
Xref: gmdzi rec.ham-radio:20646 rec.ham-radio.swap:1012

I am a new HAM and a member of the Northeastern Radio Club. We have a repeater
we are trying to get setup on 145.31
We are using two antennas about 100ft away from each other (at the far corners
of a rooftop on campus) and we are still experiencing desense and intermodulation
interference. We are looking for anyone who might have an extra 2m Duplexer.

We are operating on negative duplex. Once we remove the interference we will be
able to run 45watts instead of 2!

Any donations or information would be greatly appreciated!

Oh i should tell you that we are using two 2m radios not a repeater box.

Thanks in advance!

Jeffrey Perry
N1ILY (tech in jan, new ham in dec 90)

From 8038644244422572150
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c3cac9f06328e051,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-28 15:33:57 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!oakhill!nddsun1!waters
From: waters@nddsun1.sps.mot.com (Mike Waters)
Newsgroups: rec.ham-radio
Subject: Re: Thanks - from a beginner.
Message-ID: <868@nddsun1.sps.mot.com>
Date: 28 Feb 91 19:18:17 GMT
References: <502@spool.mu.edu>
Organization: Hacker's haven
Lines: 31

In article <502@spool.mu.edu> tone@biomath.mscs.mu.edu (Peter J. Tonellato)
writes:
>I just want to say that it is very nice of you who
>have gone out of their way to make things easier for a beginner. I am
>very happy with my new 'toy'. Last week I was able to listen to
>radio broadcasts from China, Germany, Australia, Canada, Turkey, Greece,
>Sweden, England and the USA. I understand that this 'Gee Whiz' attitude
>is frowned upon by some. But I suspect that it was exactly this feeling
>that drew the veterans (at least some of them) into the sw and/or ham
>field in the first place.

You are right! At least this ham has been riding the "gee whiz" feeling
for the last 30 years, and still finding new things to "gee whiz" about
:-)

Don't ever let anyone talk you out of it!

Now just think how it will feel when they talk to YOU. THats the
difference a ham ticket makes.
>
>Thanks again, hope I can help others in the future.

That is what makes Ham Radio such fun. You learn more from helping
someone else than you ever would on your own too.

73 - see you on HF!

--
*Mike Waters   AA4MW/7 waters@nddsun1.sps.mot.com *
Certainly there are things in life that money can't buy, but it's very funny--
Did you ever try buying then without money?
-- Ogden Nash

From 7169757867177852714
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8590fb3ebc93d05c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-28 23:14:37 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: HELP! Need advice on 10m DX: US<->Europe
Message-ID: <888@idacrd.UUCP>
Date: 28 Feb 91 17:22:08 GMT
References: <1991Feb27.145229.5195@cc.helsinki.fi>
Organization: idacrd, princeton, nj
Lines: 32

From article <1991Feb27.145229.5195@cc.helsinki.fi>, by stickler@cc.helsinki.fi:
> Here's a good one for you DX enthusiasts...
>
> I'm trying to get my brother to get the new code free
> "Communicator's" license so that I and my family can keep
> in touch more inexpensively (the international long distance
> telephone rates are killing me).
>
> I'm in Finland and he's in Florida. Because the only realistic
> DX band he'll have available to him will be 10 meters, I need
> to figure out what kind of station configuration will work on
> 10 meters between Finland and Florida.
>

Sorry, the new technician is limited to ABOVE 30 Mhz. I suggest the high
flying OSCAR-13 and OSCAR-10 which are available at Florida and higher

latitudes for 15-20 hours a day, depending on the current solar attitude
of AO-10, and the current placement in the `19 day' period of AO-13. This
seems to me to be your only option and is a great deal more reliable than
10 meter propagationi (at least AO-13 is). At my latitude (even more so,
yours in Finland) AO-13 is available 20+ hours per day.

Bob N4HY

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From 7132177859124353842
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df6af01c27175838,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10211d,df6af01c27175838,start
X-Google-Attributes: gid10211d,public
X-Google-Thread: f76e2,df6af01c27175838,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1991-02-28 23:16:03 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!wuarchive!decwrl!sun-barr!newstop!exodus!itlwrk.Eng.Sun.COM!tbasche
From: tbasche@itlwrk.Eng.Sun.COM (Todd Basche)
Newsgroups: rec.ham-radio.swap,rec.ham-radio,sun.forsale
Subject: Wanted Sony 2010 or Grundig SW Receiver
Keywords: sony 2010 SW Receiver Grundig 500
Message-ID: <8882@exodus.Eng.Sun.COM>
Date: 1 Mar 91 01:39:59 GMT
Sender: news@exodus.Eng.Sun.COM
Followup-To: poster
Lines: 7
Xref: gmdzi rec.ham-radio.swap:1013 rec.ham-radio:20650

HI,
I am looking for a short wave receiver , that is portable.
I have looked at the Sony 2010 and the Grundig 500.
Does anyone out there have one of these they are looking to sell ?
Thanks,
Todd Basche alias tbasche@sun.com 415-336-4821

From -7404942242683442172
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f529b8d6e55bb0fb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,f529b8d6e55bb0fb,start
X-Google-Attributes: gid114aac,public

X-Google-Thread: f76e2,f529b8d6e55bb0fb,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,f529b8d6e55bb0fb,start
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 1991-02-28 23:45:31 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!decwrl!
sun-barr!newstop!exodus!itlwrk.Eng.Sun.COM!tbasche
From: tbasche@itlwrk.Eng.Sun.COM (Todd Basche)
Newsgroups: rec.radio.shortwave,rec.radio.swap,rec.ham-radio.swap,rec.ham-radio
Subject: Wanted Sony 2010 or Grundig 500 SW Receiver
Keywords: Sony 2010 or Grundig 500 SW Receiver
Message-ID: <8889@exodus.Eng.Sun.COM>
Date: 1 Mar 91 02:23:29 GMT
Sender: news@exodus.Eng.Sun.COM
Followup-To: poster
Lines: 12
Xref: gmdzi rec.radio.shortwave:4611 rec.radio.swap:46 rec.ham-radio.swap:1014
rec.ham-radio:20651

HI,
I am looking for a short wave receiver , that is portable. I have
looked at the Sony 2010 and the Grundig 500. I have also heard that
the Sony 2001 is almost the same as the Sony 2010, is that the case ?
Does the 2001 have the synchronous detector, are the specs the same
overall ?
Does anyone out there have one of these they are looking to
sell ? (Now that the war is over)

Thanks,
Todd Basche alias tbasche@sun.com 415-336-4821

From -2808116765830861495
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,761cf3d22e226828,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-28 23:49:10 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!spool.mu.edu!sdd.hp.com!
elroy.jpl.nasa.gov!usc!apple!portal!cup.portal.com!mwf
From: mwf@cup.portal.com (Manfred W Frey)
Newsgroups: rec.ham-radio
Subject: FOR SALE: Loral Phase Locked Microwave Oscillator
Message-ID: <39669@cup.portal.com>
Date: 1 Mar 91 04:25:14 GMT
Organization: The Portal System (TM)
Lines: 24

Have for sale several Narda/Loral Phase Locked Microwave Signal Sources.
Units utilize fundamental transistor oscillator with high Q coaxial cavity,
followed by broadband stable step recovery diode multiplier. Broadband
sampling circuits are used to phase lock oscillator to a high stability

reference which may be either an internal self contained crystal oscillator, an external primary standard or VHF synthesizer.

Applications include free-running and phase-locked sources, modulatable transmitter sources for voice and video applications and manually- or automatically-tuned microwave synthesizers.

The size is approx. 3x3x4 inch. Runs at -20V. Output power on SMA-F connector typ. 10-50mW which depends on frequency and configuration.

Asking $75.- per unit. For details and available frequency ranges contact:

mwf@cup.portal.com
Tel 408-926-9249
Tel 408-926-3090 answering machine
1947 Half Pence Way
San Jose, CA 95132

From -5550041994090106302
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bba1ed919043c018,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-03-01 05:51:01 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!lll-winken!sun-barr!apple!agate!ucbvax!NADC.NADC.NAVY.MIL!skitch
From: skitch@NADC.NADC.NAVY.MIL (M. Squicciarini)
Newsgroups: rec.ham-radio
Subject: ARRL DX #10
Message-ID: <9103011149.AA01542@NADC.NADC.NAVY.MIL>
Date: 1 Mar 91 11:49:06 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 59

ZCZC AE16
QST DE W1AW
DX BULLETIN 10 ARLD010
FROM ARRL HEADQUARTERS NEWINGTON CT
MARCH 1, 1991
RELAYED BY KB8NW/OBS & BARF-80 BBS
TO ALL RADIO AMATEURS

We wish Steve, W9NUF, with the Northern Illinois DX Association, a speedy recovery after returning home yesterday from a stay in the hospital. Since Steve could not write the DX bulletin this week, we want to thank Paul, KB1BE, with the Connecticut DX Association for the following DX information.

FROM THE DXCC DESK. Today, March 1, 1991 is the first day that the 7O1AA and 7O8AA QSL cards will be accepted by the DXCC desk for the new Yemen Republic. Many of the 7O8AA QSL cards were shipped in packages at bulk rate. They were not accepted by the Postal Service of France and have been returned. QSL managers in France will have to individually stamp the envelopes and ship them from France.

ETHIOPIA, ET. ET2A, Jack, is active daily on 21300 KHz around 1830 UTC operating both net and split operations. Also, check 28580 and 28600 KHz around 1900 UTC. Both Jack and second operator, Scott, are Americans working with the Red Cross in Ethiopia. QSL via Peter, WB2WOW.

BANGLADESH, S2. VK9NS, Jim Smith should be en route to Dhaka shortly. He has permission for CW, SSB and RTTY and expects to operate for two weeks after arriving late on March 10th. His call sign will be either S21U or his requested call of S21JS. QSL via VK9NS.

CAMEROON, TJ. TJ1BJ is now active on 75 meters on Saturday around 0500 UTC. Check for split operation on 3675 KHz and 3795 KHz. Also, on Saturdays and Mondays, look for him around 1230 UTC on 21303 KHz. QSL via K4UTE.

CYPRUS, BRITISH SOVERIGN BASES, ZC4. Glynn, G4MVA is now stationed here for the next two years. He will sign ZC4CZ on all bands with emphasis on CW.

ARRL INTERNATIONAL DX PHONE CONTEST. Good Luck this weekend, March 2 and 3, in the annual ARRL International DX PHONE Contest. It runs a full 48 hours from 0000 UTC Saturday, March 2 until 2400 UTC on Sunday, March 3. Remember that the 10, 18 and 24 MHz bands are excluded from the contest. Logs may be submitted on IBM compatible, MS-DOS formatted diskettes, either 3.5 or 5.25 inch, 40 or 80 track. The log information must be in an ASCII file, following the ARRL Suggested Standard File Format and containing all log exchange information.

Good Luck on DX de KB8NW/OBS

From -3747305100804167905
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8590fb3ebc93d05c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,72e87e7bbc77a1d0
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1991-03-01 12:31:05 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!

wuarchive!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio,rec.radio.amateur.misc
Subject: Re: HELP! Need advice on 10m DX: US<->Europe
Message-ID: <4780@lib.tmc.edu>
Date: 1 Mar 91 12:36:49 GMT
References: <1991Feb27.145229.5195@cc.helsinki.fi> <888@idacrd.UUCP>
Sender: usenet@lib.tmc.edu
Followup-To: rec.ham-radio
Organization: University of Texas Medical School at Houston
Lines: 13
Xref: gmdzi rec.ham-radio:20654 rec.radio.amateur.misc:279
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <888@idacrd.UUCP> mac@idacrd.UUCP (Robert McGwier) writes:
>From article <1991Feb27.145229.5195@cc.helsinki.fi>, by stickler@cc.helsinki.fi:
[about trying to talk to brother in Florida after he gets no-code Tech]
>Sorry, the new technician is limited to ABOVE 30 Mhz. I suggest the high
>flying OSCAR-13 and OSCAR-10[...]

Sure sounds like an expen$ive thing to do just to avoid learning the code...

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
  "You can even run GNUemacs under X-windows without paging if you allow
          about 32MB per user." -- Bill Davidsen "Oink!" -- me

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From -3032238006769049838
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2bf87fce2c209ee4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-03-03 03:59:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9103021733.AA22249@blackbird.afit.af.mil>
Date: 2 Mar 91 17:33:15 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 417

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #816 -
Alouette 1
1 00424U 62B-A  1 91 57.38534561  .00000402  00000-0  46936-3 0  3875
2 00424  80.4627  35.4463 0022829 343.0761  16.9636 13.67464241417439
ATS 3
1 03029U 67111  A 91 57.91172609 -.00000075  00000-0  99999-4 0  5052
2 03029  13.5206  19.0399 0009867 229.8047 130.1337  1.00272780 85341
Cosmos 398
1 04966U 71 16  A 91 60.15923436  .00065876  19099-4  35241-3 0  4110
2 04966  51.5342 293.3188 2094307 287.3813  50.9920 11.44162145620606
Starlette
1 07646U 75010  A 91 55.84418340 -.00000008  00000-0  40866-4 0  1986
2 07646  49.8251 241.5438 0205835 305.3797  52.7879 13.82150470810725
LAGEOS
1 08820U 76039  A 91 58.19593728  .00000006  00000-0  99999-4 0  1942
2 08820 109.8443  82.4890 0044448 184.3735 175.6659  6.38664199 90229
GOES 2
1 10061U 77048  A 91 56.90226824 -.00000259  00000-0  99999-4 0  5619
2 10061   8.6620  60.6274 0002965 308.5614  51.5400  1.00272636 51554
IUE
1 10637U 78012  A 91 53.04371539 -.00000183  00000-0  79862-4 0  2054
2 10637  32.6985 114.8628 1411526   0.1114   0.0172  1.00300776  8977
GPS-0001
1 10684U 78020  A 91 59.22423765  .00000004  00000-0  99999-4 0  5989
2 10684  63.8566  81.6368 0125608 199.1942 160.3972  2.00554340 80980
GPS-0002
1 10893U 78 47  A 91 55.23221695 -.00000022  00000-0  99999-4 0  3153
2 10893  64.2776 322.6066 0171110  23.5709 337.2288  2.00536004 93721
GOES 3
1 10953U 78062  A 91 54.24446629  .00000093  00000-0  99999-4 0   449
2 10953   7.5467  63.3611 0005358 129.7167 230.4490  1.00268608  7430
SeaSat 1
1 10967U 78064  A 91 58.70992523  .00001350  00000-0  50428-3 0  4703
2 10967 108.0282 127.7799 0004176 225.2954 134.8009 14.36236561663136
GPS-0003
1 11054U 78093  A 91 56.47891328 -.00000021  00000-0  99999-4 0  3538
2 11054  63.7785 318.7351 0063244 116.6387 244.0277  2.00571668 90761
Nimbus 7
1 11080U 78098  A 91 59.68986869  .00000176  00000-0  18867-3 0  7339
2 11080  99.1818 323.5635 0009275 114.7249 245.4893 13.83507221623509
GPS-0004
1 11141U 78112  A 91 53.60830520  .00000004  00000-0  99999-4 0  1297
2 11141  63.8737  81.6459 0062185 314.5593  44.9865  2.00548506 89406
GPS-0005
1 11690U 80 11  A 91 57.23738922  .00000006  00000-0  99999-4 0   968
2 11690  64.3160  83.8239 0121864 203.1355 156.3778  2.00553054 95334
GPS-0006
1 11783U 80 32  A 91 58.03424600 -.00000021  00000-0  99999-4 0  3633
2 11783  63.5816 318.1825 0158825  58.7281 302.8328  2.00568432 79438
GOES 5
1 12472U 81049  A 91 59.14420283  .00000124  00000-0  99999-4 0   511
2 12472   4.1104  72.5957 0002538 277.9701  82.4506  1.00236832 34797
SME
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1 12887U 81100  A 91 60.12856453  .01459660  17359-2  11029-2 0  1553
2 12887  97.5694 134.0913 0003145 243.9418 116.2438 16.15716826  1394
Cosmos 1383
1 13301U 82 66  A 91 57.21974122  .00000149  00000-0  16260-3 0  6865
2 13301  82.9323 114.6159 0026578 178.3858 181.7382 13.67883161432409
LandSat 4
1 13367U 82 72  A 91 59.74164800  .00000428  00000-0  99999-4 0  6870
2 13367  98.1275 121.7375 0004246  78.1398 282.0276 14.57177159458665
IRAS
1 13777U 83  4  A 91 58.41625553  .00000705  00000-0  51271-3 0  9041
2 13777  99.0163 256.1234 0013831  43.4107 316.8144 13.98895505 82621
Cosmos 1447
1 13916U 83 21  A 91 58.34750085  .00000246  00000-0  25017-3 0  7829
2 13916  82.9391 183.3982 0037550 146.9025 213.4508 13.74106937397716
TDRS 1
1 13969U 83 26  B 91 58.21693283  .00000127  00000-0  99999-4 0  2705
2 13969   5.0882  63.5592 0002677 295.8208  64.4018  1.00275984  1908
GOES 6
1 14050U 83 41  A 91 59.14834673  .00000117  00000-0  99999-4 0  3730
2 14050   2.8484  74.1925 0005769 306.2731  54.7177  1.00269741   703
OSCAR 10
1 14129U 83 58  B 91 55.57882585  .00000085  00000-0  99999-4 0  6370
2 14129  25.8829 158.8436 5990053 219.9576  75.4840  2.05878121 29933
GPS-0008
1 14189U 83 72  A 91 58.46413640  .00000003  00000-0  99999-4 0  9008
2 14189  63.4968  79.8693 0144294 224.4867 134.4066  2.00568768 55882
LandSat 5
1 14780U 84 21  A 91 59.77507228  .00000427  00000-0  99999-4 0  5377
2 14780  98.2490 121.4040 0001788  89.3243 270.8171 14.57100403372080
UoSat 2
1 14781U 84 21  B 91 60.09687576  .00003301  00000-0  60607-3 0  9270
2 14781  97.9206 108.8852 0012012 149.2154 210.9887 14.66303947373607
GPS-0009
1 15039U 84 59  A 91 53.65102138  .00000003  00000-0  99999-4 0  1666
2 15039  63.2401  79.1327 0028641 226.2083 133.6135  2.00566156 49061
Cosmos 1574
1 15055U 84 62  A 91 58.99503332  .00000170  00000-0  17116-3 0   317
2 15055  82.9519 233.7135 0028190 334.6616  25.3159 13.73414854335180
GPS-0010
1 15271U 84 97  A 91 55.59008626 -.00000021  00000-0  99999-4 0    62
2 15271  63.0840 317.6870 0112277 331.3656  28.0708  2.00563429 46217
Cosmos 1602
1 15331U 84105  A 91 59.60057297  .00007531  00000-0  99869-3 0  4895
2 15331  82.5375 123.0581 0021764 208.6980 151.3036 14.79578477345985
NOAA 9
1 15427U 84123  A 91 60.00671138  .00001423  00000-0  78586-3 0  7073
2 15427  99.1729  70.9190 0015357  11.9560 348.1977 14.12848339320240
GPS-0011
1 16129U 85 93  A 91 59.29801625  .00000004  00000-0  99999-4 0  7284
2 16129  64.0127  80.1390 0123453 148.0089 212.8154  2.00564630 39494
Mir
1 16609U 86 17  A 91 60.12358103  .00052813  00000-0  58326-3 0  2903
2 16609  51.6075 115.0938 0013929 353.8174   6.2465 15.62409428288248
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SPOT 1
1 16613U 86 19  A 91 59.69068762  .00001363  00000-0  65753-3 0  2512
2 16613  98.7064 135.4621 0001293 136.6767 223.4516 14.20089499100332
Cosmos 1766
1 16881U 86 55  A 91 60.36131507  .00000753  00000-0  99999-4 0  3325
2 16881  82.5251 181.0763 0023063 223.1351 136.8155 14.78969489247148
EGP
1 16908U 86 61  A 91 50.85202188 -.00000025  00000-0  99999-4 0  3401
2 16908  50.0086 214.6139 0011694 104.5426 255.6708 12.44392558205692
NOAA 10
1 16969U 86 73  A 91 53.88031523  .00001416  00000-0  63395-3 0  5529
2 16969  98.5765  80.9476 0012373 260.5624  99.4157 14.23917603230284
MOS-1
1 17527U 87 18  A 91 60.07938896  .00000743  00000-0  57809-3 0  7570
2 17527  99.0801 133.9836 0000708 102.1046 258.0198 13.94899824205077
GOES 7
1 17561U 87 22  A 91 56.86775670 -.00000045  00000-0  99999-4 0  7319
2 17561   0.0618 268.9175 0002204  82.2191   8.8338  1.00270557  8113
Kvant-1
1 17845U 87 30  A 91 60.12355734  .00069877  00000-0  76800-3 0  4883
2 17845  51.6051 115.0960 0013776 353.2530   6.6781 15.62418782222976
DMSP B5D2-3
1 18123U 87 53  A 91 59.81042973  .00001744  00000-0  92954-3 0  8645
2 18123  98.8112 251.9730 0014744  16.7328 343.4332 14.14372899190673
RS-10/11
1 18129U 87 54  A 91 59.92188924  .00000428  00000-0  45835-3 0  5394
2 18129  82.9291 138.8645 0013146 123.4224 236.8239 13.72152865184749
Meteor 2-16
1 18312U 87 68  A 91 60.03160803  .00000223  00000-0  19236-3 0  6102
2 18312  82.5566  86.7348 0010878 255.9782 104.0203 13.83740103178508
Meteor 2-17
1 18820U 88  5  A 91 59.98965918  .00000662  00000-0  58067-3 0  4582
2 18820  82.5478 146.3224 0016063 328.5459  31.4741 13.84440764155719
DMSP B5D2-4
1 18822U 88  6  A 91 59.88808813  .00001251  00000-0  58540-3 0  8006
2 18822  98.6151 298.1593 0005586 251.0406 109.0184 14.21792837159295
Glonass 34
1 19163U 88 43  A 91 58.42324825  .00000020  00000-0  99999-4 0  1797
2 19163  64.9187 150.6222 0007099 192.8151 167.1889  2.13102584 21589
Glonass 36
1 19165U 88 43  C 91 56.60312716 -.00000007  00000-0 -67261 2 0  1750
2 19165  64.8995 150.6839 0004334 329.5678  30.4228  2.13102095 21545
AO-13
1 19216U 88 51  B 91 53.11378759 -.00000126  00000-0  99999-4 0  2396
2 19216  56.8252 109.0878 7128019 247.8593  26.4295  2.09703733 20642
OKEAN 1
1 19274U 88 56  A 91 60.06425347  .00004574  00000-0  62486-3 0   593
2 19274  82.5151 280.0985 0021937   8.7603 351.3987 14.78252975142851
Meteor 3-2
1 19336U 88 64  A 91 60.06448328  .00000052  00000-0  11717-3 0  7095
2 19336  82.5440  95.7138 0018732  33.0749 327.1551 13.16913552124767
Glonass 39
1 19503U 88 85  C 91 58.96912119 -.00000017  00000-0  99999-4 0  1011
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2 19503  65.4339  29.9654 0005129 208.6151 151.3544  2.13103611 19084
NOAA 11
1 19531U 88 89  A 91 58.30885065  .00001429  00000-0  80178-3 0  4628
2 19531  99.0168  12.3710 0011035 288.3921  71.6050 14.11942725124968
TDRS 2
1 19548U 88 91  B 91 58.04983405  .00000113  00000-0  99999-4 0  2334
2 19548   0.7490  80.7494 0001523 230.1933  49.0067  1.00274517  7474
Glonass 40
1 19749U 89  1  A 91 59.47970648  .00000020  00000-0  99999-4 0  8830
2 19749  64.8620 150.2501 0006212 273.4102  86.5479  2.13101762 16629
Glonass 41
1 19750U 89  1  B 91 59.53785316  .00000020  00000-0  99999-4 0  9386
2 19750  64.8738 150.2704 0006268 251.2498 108.7209  2.13102294 16628
GPS BII-01
1 19802U 89 13  A 91 58.17527061  .00000017  00000-0  99999-4 0  2319
2 19802  55.0455 187.3559 0050904 163.2354 196.8890  2.00558153 14865
Akebono
1 19822U 89 16  A 91 59.20862343  .00040444  00000-0  24571-2 0  9490
2 19822  75.0790 112.1402 4111782  56.5684 336.3253  7.23683963 18181
Meteor 2-18
1 19851U 89 18  A 91 60.02883357  .00000114  00000-0  97659-4 0  4083
2 19851  82.5266  23.8250 0015151  10.4016 349.7467 13.84062106101092
MOP-1
1 19876U 89 20  B 91 56.56887326  .00000024  00000-0  99999-4 0  1803
2 19876   0.2641  44.4113 0000955 281.1935  34.3459  1.00267724  3203
TDRS 3
1 19883U 89 21  B 91 51.69564572 -.00000235  00000-0  99999-4 0  2307
2 19883   0.7266  79.1373 0001446 255.1676  25.6685  1.00271504 77386
GPS BII-02
1 20061U 89 44  A 91 58.00437706 -.00000034  00000-0  99999-4 0  2332
2 20061  54.8640   5.4895 0089842 183.4176 176.5173  2.00566400 12602
Nadezhda 1
1 20103U 89 50  A 91 59.06380471  .00000155  00000-0  15425-3 0  3053
2 20103  82.9596  96.4020 0039462  46.6941 313.7500 13.73650359 82845
GPS BII-03
1 20185U 89 64  A 91 57.34599602  .00000016  00000-0  99999-4 0  1766
2 20185  54.8906 188.1900 0021289 164.8064 195.2144  2.00568043 11161
GPS BII-04
1 20302U 89 85  A 91 41.91577973 -.00000024  00000-0  99999-4 0  1785
2 20302  54.4598 307.3315 0032510 329.9999  29.8633  2.00556091  9656
Meteor 3-3
1 20305U 89 86  A 91 60.06321791  .00000043  00000-0  99999-4 0  3211
2 20305  82.5481  36.8210 0016945  47.5625 312.6925 13.15939904 64736
COBE
1 20322U 89 89  A 91 58.53785074  .00000622  00000-0  42322-3 0  2534
2 20322  99.0191  71.4235 0009170  24.0296 336.1330 14.02977747 65291
Kvant-2
1 20335U 89 93  A 91 60.05962752  .00046708  00000-0  51718-3 0  5888
2 20335  51.6082 115.4169 0014024 355.0106   5.0907 15.62395391 71895
GPS BII-05
1 20361U 89 97  A 91 57.38502607  .00000013  00000-0  99999-4 0  1274
2 20361  55.0291 130.2693 0062755  59.5762 301.0593  2.00584931  8820
SPOT 2
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1 20436U 90  5  A 91 59.72637513  .00001276  00000-0  61657-3 0  4918
2 20436  98.7078 135.5730 0000909  74.2819 285.8454 14.20049726 57158
UO-14
1 20437U 90  5  B 91 58.71776629  .00000916  00000-0  37840-3 0  3072
2 20437  98.6772 138.8129 0011646 124.9257 235.3150 14.28918095 57353
UO-15
1 20438U 90  5  C 91 58.72486793  .00000600  00000-0  25534-3 0  1934
2 20438  98.6811 138.7456 0010604 124.0412 236.1813 14.28566264 57348
PACSAT
1 20439U 90  5  D 91 59.66991119  .00000992  00000-0  40759-3 0  2023
2 20439  98.6802 140.0226 0012384 123.1338 237.1038 14.29016114 57495
DO-17
1 20440U 90  5  E 91 59.65616971  .00001077  00000-0  44042-3 0  2017
2 20440  98.6806 140.0431 0012003 123.1299 237.1040 14.29083383 57498
WO-18
1 20441U 90  5  F 91 60.12024133  .00000958  00000-0  39306-3 0  2008
2 20441  98.6817 140.5536 0013150 122.9723 237.2736 14.29151065 57569
LO-19
1 20442U 90  5  G 91 59.68037826  .00000960  00000-0  39336-3 0  2018
2 20442  98.6802 140.1568 0013164 123.5426 236.7021 14.29225076 57506
GPS BII-06
1 20452U 90  8  A 91 56.28457796  .00000004  00000-0  99999-4 0  1523
2 20452  54.4054 245.6591 0044363  51.1980 309.2069  2.00554453  7928
MOS-1B
1 20478U 90 13  A 91 58.10428064 -.00000004  00000-0  99999-5 0  5072
2 20478  99.1595 131.8875 0001205 109.5663 250.5672 13.94838912 53678
DEBUT
1 20479U 90 13  B 91 58.44079657  .00000015  00000-0  63229-4 0  1871
2 20479  99.0189  61.4649 0540905 190.0970 168.8902 12.83170741 49482
FO-20
1 20480U 90 13  C 91 54.93675532  .00000060  00000-0  18626-3 0  1800
2 20480  99.0207  58.6263 0540647 198.1288 159.9850 12.83172227 49034
MOS-1B R/B
1 20491U 90 13  D 91 58.02692999  .00000490  00000-0  96700-3 0  2034
2 20491  99.0147  71.9202 0471059 153.8204 208.7576 13.02800398 49583
LACE
1 20496U 90 15  A 91 58.73906567  .00018733  00000-0  10039-2 0  4411
2 20496  43.0961 355.0567 0016727 159.5662 200.5865 15.14567637 57298
RME
1 20497U 90 15  B 91 59.25905682  .00032507  00000-0  69853-3 0  4860
2 20497  43.1077 267.3477 0019801 233.7101 126.1995 15.43876274 58304
Nadezhda 2
1 20508U 90 17  A 91 58.39006028  .00000289  00000-0  29806-3 0  2601
2 20508  82.9466 231.7155 0044651 357.9479   2.1562 13.73272162 50038
OKEAN 2
1 20510U 90 18  A 91 60.06347692  .00004764  00000-0  71576-3 0  4297
2 20510  82.5232 220.9704 0019849 156.4760 203.7364 14.74225974 53903
INTELSAT-6
1 20523U 90 21  A 91 58.42794678  .00008201  00000-0  57807-3 0  4484
2 20523  28.3333  30.2309 0014785  38.3981 321.7648 15.03153830 52883
GPS BII-07
1 20533U 90 25  A 91 59.18812687 -.00000034  00000-0  99999-4 0  1252
2 20533  55.1793   5.6053 0033189  96.7147 263.6609  2.00564479  6737
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PegSat
1 20546U 90 28  A 91 58.25849628  .00023906  00000-0  13005-2 0  4427
2 20546  94.1438 351.2606 0141524 130.9297 230.4293 15.06115657 48393
HST
1 20580U          91 60.25543000  .00009846  00000-0  10729-2 0  4005
2 20580  28.4701  51.9891 0006132 268.6369  91.3497 14.86465979 46231
Glonass 44
1 20619U 90 45  A 91 59.38069853 -.00000018  00000-0  99999-5 0  3907
2 20619  65.0368  30.1539 0023485 219.2939 140.5356  2.13102995  6086
Glonass 45
1 20620U 90 45  B 91 59.02929976 -.00000018  00000-0  99999-4 0  3988
2 20620  65.0375  30.1746 0007015  18.4482 341.5653  2.13102872  6086
Glonass 46
1 20621U 90 45  C 91 58.61879392 -.00000018  00000-0  99999-4 0  3372
2 20621  65.0463  30.1983 0012671 213.7267 146.1749  2.13102417  6072
Kristall
1 20635U 90 48  A 91 59.86774423  .00046690  00000-0  51718-3 0  3884
2 20635  51.6136 116.3877 0014224 355.2953   4.8154 15.62382923 42748
ROSAT
1 20638U 90 49  A 91 57.35832611  .00010381  00000-0  85091-3 0  2006
2 20638  52.9898   1.3292 0014794  30.1849 329.9997 14.99708855 40399
Meteor 2-19
1 20670U 90 57  A 91 60.04042831  .00000203  00000-0  17348-3 0  1571
2 20670  82.5447  84.7912 0014873 292.0976  67.8617 13.83917254 34045
CRRES
1 20712U 90 65  A 91 59.82459158  .00003328  00000-0  31341-2 0  1495
2 20712  18.0753 317.3785 7123101   6.8720 359.2714  2.43974135  5330
GPS BII-08
1 20724U 90 68  A 91 55.54435681  .00000016  00000-0  99999-4 0   845
2 20724  54.6996 186.1883 0096447 122.6748 238.2165  2.00563932  4103
Feng Yun1-2
1 20788U 90 81  A 91 59.60484625  .00000774  00000-0  53907-3 0  1023
2 20788  98.9495  95.3326 0016451 118.3792 241.9053 14.01053738 25000
Meteor 2-20
1 20826U 90 86  A 91 59.93798480  .00000221  00000-0  19085-3 0  1075
2 20826  82.5248  23.9742 0012545 178.3513 181.7700 13.83276374 21248
GPS BII-09
1 20830U 90 88  A 91 53.08839717  .00000013  00000-0  99999-4 0   847
2 20830  54.9052 128.6682 0075790 116.3433 244.4867  2.00566627  3138
GPS BII-10
1 20959U 90103  A 91 49.50749733  .00000016  00000-0  99999-4 0   233
2 20959  54.9247 188.0179 0043774 212.9318 146.7635  2.00569032  1654
DMSP B5D2-5
1 20978U 90105  A 91 59.89069553  .00001966  00000-0  74188-3 0   769
2 20978  98.8523  94.8230 0082406  96.3363 264.7391 14.30622161 12763
Soyuz TM-11
1 20981U 90107  A 91 59.99559763  .00096387  00000-0  10532-2 0   946
2 20981  51.6121 115.7313 0014544 359.5351   0.1864 15.62418048 13875
Glonass 47
1 21006U 90110  A 91 59.12723251  .00000020  00000-0  99999-4 0   797
2 21006  64.8426 149.6742 0062217 185.6321 174.3351  2.13102190  1765
Glonass 48
1 21007U 90110  B 91 58.36505836  .00000020  00000-0  99999-4 0   879
```

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2 21007  64.8627 149.7321 0039606 178.9057 181.1297  2.13100301  1745
Glonass 49
1 21008U 90110  C 91 57.30934837  .00000020  00000-0  99999-4 0   757
2 21008  64.8395 149.7496 0009875 291.8984  68.0267  2.13100161  1722
Progress M6
1 21053U 91  2  A 91 60.05954928  .00099483  00000-0  10863-2 0   524
2 21053  51.6099 115.4196 0013435   2.0888 357.5971 15.62438568  7127
INFORMTR-1
1 21087U          91 60.28192998  .00000165  00000-0  16312-3 0   160
2 21087  82.9466 313.5746 0034240 198.7185 161.2717 13.74345653  4208
Cosmos 2123
1 21089U 91  7  A 91 59.03611006  .00000205  00000-0  20729-3 0   225
2 21089  82.9245 184.9954 0028075 222.7862 137.1130 13.73861316  3157
1991 007B
1 21090U 91  7  B 91 58.06685507  .00000102  00000-0  99999-4 0   262
2 21090  82.9225 185.6761 0022171 209.8507 150.1412 13.75280953  3011
1991 007C
1 21091U 91  7  C 91 58.35487223  .00001147  00000-0  11793-2 0   129
2 21091  82.9304 185.4476 0027315 265.1117  94.7374 13.75472472  3051
Cosmos 2124
1 21092U 91  8  A 91 60.05357295  .00496705  39932-4  22132-3 0   607
2 21092  62.8135 275.5820 0122427 100.3365 261.2287 16.06477241  3454
1991 004C
1 21095U 91  4  C 91 52.74631862  .14040784 -63317-5  72073-4 0   320
2 21095  82.5491 261.3884 0019308  63.8189 298.2182 16.54899750  5681
Cosmos 2125
1 21100U 91  9  A 91 56.86347467  .00000009  00000-0  99999-4 0    77
2 21100  74.0308 172.6529 0009766 140.3703 219.8063 12.49762573  1721
Cosmos 2126
1 21101U 90  9  B 91 56.82591456  .00000008  00000-0  99999-4 0    82
2 21101  74.0305 172.8033 0019493 223.9385 136.0114 12.45872183  1691
Cosmos 2127
1 21102U 91  9  C 91 56.80286051  .00000008  00000-0  99999-4 0   107
2 21102  74.0307 172.7919 0007201 219.6339 140.4183 12.47979047  1695
Cosmos 2128
1 21103U 91  9  D 91 56.84212215  .00000009  00000-0  99999-4 0    81
2 21103  74.0304 172.5833 0014413  87.7345 272.5357 12.51713942  1707
Cosmos 2129
1 21104U 91  9  E 91 56.82234943  .00000009  00000-0  99999-4 0    82
2 21104  74.0300 172.5831 0024461  86.7755 273.6096 12.53529066  1706
Cosmos 2130
1 21105U 91  9  F 91 56.86464416  .00000010  00000-0  99999-4 0    56
2 21105  74.0296 172.3876 0043158  84.7436 275.8540 12.56965377  1717
Cosmos 2131
1 21106U 91  9  G 91 56.84531224  .00000011  00000-0  99999-4 0    81
2 21106  74.0308 172.3501 0051251  74.8518 285.8199 12.58741458  1716
Cosmos 2132
1 21107U 91  9  H 91 56.72358317  .00000010  00000-0  99999-4 0    55
2 21107  74.0300 172.6164 0033584  82.7872 277.7040 12.55284150  1709
1991 009J
1 21108U 91  9  J 91 59.74349381  .00000005  00000-0  99999-4 0   269
2 21108  74.0437 170.0450 0166389 249.7116 108.5943 12.19594028  2035
1991 009K
```

```
1 21109U 91  9  K 91 59.77381282  .00000005  00000-0  99999-4 0   102
2 21109  74.0347 170.1073 0172011 249.1076 109.1529 12.17434527  2049
1991 009L
1 21110U 91  9  L 91 59.69112065  .00000004  00000-0  99999-4 0   149
2 21110  74.0533 170.5871 0236802 252.4088 105.1301 12.05310617  2018
1991 010A
1 21111U 91 10  A 91 56.13152466 -.00000115  00000-0  99999-4 0   185
2 21111   2.2976 282.5443 0006283 287.4968  72.2426  1.00273179   121
1991 010D
1 21114U 91 10  D 91 57.75891209  .00003719  00000-0  23943-2 0    43
2 21114  47.3569 277.6983 7273417   3.2289 359.8122  2.26756827   276
1991 009M
1 21115U 91  9  M 91 57.33237438  .00000005  00000-0  99999-4 0    34
2 21115  74.0448 173.1989 0185189 246.0734 112.1029 12.15398698  1756
1991 011A
1 21116U 91 11  A 91 59.89864408  .00301689  11036-4  20500-3 0   256
2 21116  64.7243 272.3823 0039978  18.4836 341.7804 16.14451233  2180
Molniya1-80
1 21118U 91 12  A 91 58.03185145  .00000761  00000-0  38582-2 0   157
2 21118  62.7934 323.0498 7438488 280.1214  10.9636  2.00579157   242
1991 012B
1 21119U 91 12  B 91 57.21907702  .18266259  43310-4  34654-3 0   302
2 21119  62.7913 283.1420 0027401 138.9419 221.7273 16.44359249  1690
1991 012D
1 21121U 91 12  D 91 58.85477760 -.00001216  00000-0 -37532-2 0   273
2 21121  62.7254 323.2493 7398720 280.0775  11.2119  2.05500470   251
1991 013A
1 21130U 91 13  A 91 59.07816774  .00000107  00000-0  99999-4 0    72
2 21130  82.8241 255.3542 0065038 272.9942  86.3778 13.77534554   268
1991 013B
1 21131U 91 13  B 91 60.09179564  .00000110  00000-0  99999-4 0    69
2 21131  82.8204 254.5850 0057922 268.6201  90.8321 13.79123978   400
1991 014B
1 21133U 91 14  B 91 60.07820174  .04062257  59725-4  46315-3 0    58
2 21133  51.6590 244.7651 0005352 310.5388  49.6165 16.36091739   152
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Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

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From -5716581112198674147
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8288244244767ef,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-03-04 19:28:31 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!hydra!cc.helsinki.fi!stickler
From: stickler@cc.helsinki.fi
Newsgroups: rec.ham-radio
Subject: Wanted: Info/Opinions on AEA DX Handy
Message-ID: <1991Mar4.142239.5409@cc.helsinki.fi>
Date: 4 Mar 91 14:22:38 GMT
Organization: University of Helsinki
Lines: 15

I'm interested in getting some info/opinions about the AEA DX Handy (10 meter HT).

If you have/had one (or have used one), I would appreciate any comments you might have about it.

If anyone knows of any magazine reviews on it, please let me know.

Thanks,

//
Patrick Stickler University of Helsinki   stickler@cc.helsinki.fi
//

From -1451153053927772472
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,22f87052a63e181a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-03-04 21:40:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!magnus.ircc.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!SACEMNET.AF.MIL!812spg
From: 812spg@SACEMNET.AF.MIL ("812SPG")
Newsgroups: rec.ham-radio
Subject: AOR AR-1000
Message-ID: <9103050550.AA22433@ucsd.edu>
Date: 5 Mar 91 05:40:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 44

Problem: As have other AOR AR-1000 owners, I experienced problems with the squelch and reception of my hand scanner.

Squelch - Several frequencies, particularly those in the 453-454 MHz region, had a tendency to lock up unless the squelch setting was turned to the maximum. There was also the problem of losing a previously set squelch threshold upon turning the radio off and then turning it back on again -- requiring a readjustment each time I "fired up" the AR-1000.

Reception - From day one, reception with this radio was never something to write home about. Some received stations were below average reception-wise, while other stations could not be picked up at all. As time went on, and out of desperation, I discovered that each frequency was off by approximately 5-10 KHz. I found that by decreasing each entered frequency by 5-10 KHz, reception markedly improved! However, I found this technique to be very time consuming and not worth the money I had invested in the radio.

Solution: I placed a call to ACE Communications and told them about the "off-center" frequency problem. As my radio was under warranty, they instructed me to ship it to them for calibration.

I sent the unit via UPS on a Friday, and not expecting to see it again for at least 2 weeks, went on with life. The following Wednesday, I was shocked to get a call from the wife, who informed me that a package had just arrived from ACE Communications!

Upon arriving home, I immediately checked my radio and was again shocked. In addition to the "off-center" frequency problem having been fixed, the squelch now operated perfectly! It was now operating like a whole different radio!

Conclusion: For those that may be experiencing the same problems I had with my AR-1000 -- take advantage of your warranty and send it in for a "checkup" to the fine folks at ACE! And, in my opinion, the people at ACE were superb in both service and turnaround time.

Larry Zielasko

INTERNET: 812spg@sacemnet.af.mil

From -3310568933485548110
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fda9fc0f03c92843,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-03-08 09:02:43 PST
Path: gmdzi!unido!hwsw!hwsw.gedas.de!bochannk
From: bochannk@hwsw.gedas.de (Alexander Bochannek)
Newsgroups: rec.ham-radio
Subject: New to ham...what to buy?
Message-ID: <793@hwsw.gedas.de>
Date: 8 Mar 91 15:11:52 GMT
Sender: news@hwsw.gedas.de
Reply-To: bochannk@hwsw.gedas.de (Alexander Bochannek)
Organization: VW-GEDAS BERLIN
Lines: 10

Howdy!

I'm very new to this topic, but very very fascinated, too. Now I plan to spend some k-bucks for a good equipment. What I want is quite simple: Everything! At least, I want to receive everything, later I will focus on getting a license.
So, what do I need? I already looked around and found the ICOM R-9000 worthwhile.
What do you think? What antennas would you suggest? What do I need to decipher Morse, RTTY, Fax, AX.25, SSTV, ATV ... ? What else? How about a spectrum analyzer?
Extra scanner?

Thanks in advance.

Alex

From -7456421326568313643
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95c773869942f27f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-03-08 19:06:35 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!HG.ULeth.CA!oler
From: oler@HG.ULeth.CA (CARY OLER)
Newsgroups: rec.ham-radio
Subject: MAJOR SOLAR FLARE ALERT - 07 MARCH
Message-ID: <910308013346.20801ccd@HG.ULeth.CA>
Date: 8 Mar 91 08:33:46 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 81

-- MAJOR SOLAR FLARE ALERT --

MARCH 07, 1991

Flare Event Summary
Potential Impact Forecast

MAJOR ENERGETIC EVENT SUMMARY

Three major solar flares exploded from Region 6538 today. The first event was a very powerful proton-type which began at 06:13 UT on 07 March. X-rays peaked at a class X5.5 level at 07:55 UT. The event ended at 08:04 UT. This flare was exceptional in energy output. It generated moderate to strong intensity Type II and IV bursts and was associated with a 3,000 s.f.u. Tenflare which lasted 26 minutes. The flare attained a large class 3B optical rating and was also associated with a 5,400 s.f.u. burst at 245 MHz. This event almost certainly produced a coronal mass ejection with proton activity to the east of the region. No protons were observed near earth. The region is still too far east. This flare was located at S20E66.

The second major flare began at 14:03 UT, peaked at 14:05 UT and ended at 14:26 UT. The flare attained a class M5.0/SF rating, and originated from Region 6438 at a location of S22E62. This flare was not particularly powerful.

The third major energetic flare began at 23:15 UT, peaked at 23:18 UT and ended at 23:26 UT on 07 March. This major flare was rated a class X2.5/2B Tenflare with a very strong 35,000 s.f.u. burst at 245 MHz. The event was also associated with a 760 s.f.u. Tenflare which lasted 5 minutes. Although powerful, this flare was a short impulsive type which did not produce any sweep frequency events and is not suspected of producing a coronal mass ejection. However, it did produce a moderately intense Sudden Ionospheric Disturbance (SID) and Short Wave Fade (SWF) which disrupted communications on HF frequencies up to 25 MHz. Strong phase shifts followed by strong signal absorption were observed beginning at 23:17 UT over the sunlit sectors. The SWF ended at 23:34 UT on 07 March.

POTENTIAL TERRESTRIAL IMPACT FORECAST

This latest flare will not likely produce any significant terrestrial impacts. There is a slight risk it could produce active conditions after 10 March, but magnetic or auroral storming is not likely. The region was too far east at the time of the major class X5.5 flare to produce terrestrial impacts.

Solar activity will remain high for the next several days at least. Major M-class flares and isolated X-class flares are possible throughout the next 72 hours at least. Region 6538 is capable of producing some very energetic flare activity which could produce intense moderate to long-duration SID's/SWF's over the sunlit areas of the earth. Within the next 24 to 48 hours, Region 6538 will begin to enter the terrestrial impact zone. Major flares after 09 or 10 March could produce potentially moderate terrestrial impacts. Major flares after 11 March will have a high risk for producing high terrestrial impacts which could include major auroral and geomagnetic storming along with potentially strong degradation in radio signal propagation. However, that is still several days away and Region 6538 could conceivably calm down by then. On the other hand, it could also become more energetic. It currently possesses a Beta-Gamma magnetic configuration with significant amounts of shear and high magnetic gradients.

The Calcium XV emission from Region 6538 increased to very bright levels during the day today. It appears as though Region 6538 will remain a significant threat throughout the coming week. The position of Region 6538, corrected to 24:00 UT on 08 March is S25E48. It will reside very near the central meridian on 12 March and will cross into the western hemisphere on 13 March.

As a side-note, geomagnetic activity will remain at unsettled to active levels throughout most of the coming week. Storm conditions could occur if major flaring continues.

Additional alerts and/or updates will continue to be posted daily for as long as necessary.

** End of Alert **

From -7608177282009765415
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,34fe9867abcf6ba7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-03-08 22:45:59 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!hplabs!hpfcso!jayk
From: jayk@hpfcso.FC.HP.COM (Jay Kesterson)
Newsgroups: rec.ham-radio
Subject: Re: ARRL SSB Contest from W3LPL Multi-Multi
Message-ID: <7500092@hpfcso.FC.HP.COM>
Date: 8 Mar 91 15:19:01 GMT
References: <9103062121.AA20871@bunny.gte.com>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 19

<Total Score: 11.8M, beating our record from last year.

Great score John!

```
<80     235      80    W3LPL
<40     430      90    N3GB, KC3EK
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I am just getting back on the air after about 5 years of inactivity. In the past I did several single 40s or operated 40 from K0RF in multi-multi. It seems to me that the 40 and 80 SSB QSO total for the east coast multi has gone way up (in contests were you can't work VEs). Is there more Europe to run now, working more JAs, or are you passing lots of non-mult QSOs down to the low bands?

Hope I can get some kind of station together before all the spots go away!

73,

Jay K0GU

From 4560613271955599735
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a2be06de9b13b861
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-03-08 23:17:57 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!unixhub!stanford.edu!unix!hplabs!hpl-opus!hpspdra!paulz
From: paulz@hpspdra.HP.COM (Paul Zander)
Newsgroups: rec.ham-radio
Subject: Re: Amiga Morse Code Tutor
Message-ID: <12280038@hpspdra.HP.COM>
Date: 9 Mar 91 00:36:54 GMT
References: <1241@tronsbox.xei.com>
Organization: HP Stanford Park - Palo Alto, CA
Lines: 5

Try the "Fish" disks of Public Domain software. Somewhere around #200

or 300 there is one which reads a text file and generates Morse code at
a specified speed. Of course, you need some text files...

Paul AA6PZ

From 5457216574257527610
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd9dbcc69c222a70,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,4cbf4a5be19e38c4
X-Google-Attributes: gid114aac,public
X-Google-Thread: 107ada,d4af6297cf3f743c
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1991-03-11 00:32:25 PST
Path: gmdzi!unido!mcshh!wrs
From: wrs@mcshh.hanse.de (Wolfgang R. Schulz)
Newsgroups: rec.radio.shortwave,rec.radio.amateur.misc,rec.ham-radio
Subject: Re: CNN used for morse code (from Evening Standard)
Message-ID: <8740@mcshh.hanse.de>
Date: 10 Mar 91 14:29:28 GMT
References: <1991Feb26.221754.11256@cc.ic.ac.uk>
<1991Feb28.012534.445@wa8tzg.mi.org> <13346@hubcap.clemson.edu>
<1991Mar1.153703.21449@cbnewsj.att.com>
Lines: 17
Xref: gmdzi rec.radio.shortwave:4791 rec.radio.amateur.misc:460 rec.ham-radio:20663
Posted: Sun Mar 10 15:29:28 1991

That beep I do hear on CNN-International on Intelsat 27.5 degrees
west as well, but it definately is not the E morse code, it comes
from their computer.
I visited CNN some time ago on professional reasons and heard that
same beep from all their terminals when a message arrived (they got
a one line display for individual or broadcast messages on each of
their computer displays).
On satellite there is a datga channel from Atlanta though,
which gives a preview of their programming for the next few hours.
This certainly is not in morse code.
Wolfgang
--
*** Wolfgang R. Schulz-Hamburg-Germany: your pal in PAL-country ***
*** (P-ay for A-dditional L-uxury...even for INCOMING mail! ... ***
*** wrs@mcshh.hanse.de * wrs@mcshh.UUCP * 0002412526@mcimail.com ***
*** ...unido!mcshh!wrs * No BTX (German Videotex) address anymore *

From -6181330632160813035
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6285f4e6ce20efad,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-03-12 03:01:01 PST

Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!spool.mu.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!magnus.acs.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!ICNUCEVM.CNUCE.CNR.IT!ANGELO%IPIFIDPT
From: ANGELO%IPIFIDPT@ICNUCEVM.CNUCE.CNR.IT (angelo)
Newsgroups: rec.ham-radio
Subject: info on VCO
Message-ID: <9103121012.AA21489@ucsd.edu>
Date: 12 Mar 91 10:12:40 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4
X-Unparsable-Date: Tue, 12 Mar 91 11:04:22 SET

I need information on vco in 23 and 13 cm bands,because i am developing a pll
for a transmitter in this band but i have a problem with VCO
I need a cirquit diagram for a reliable vco
73 51 de iw5bde

From -5207272117914214749
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aa580b0689c08d65,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,aa580b0689c08d65,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 105d97,aa580b0689c08d65,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-03-14 22:42:32 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!emory!gatech!udel!haven!umbc3!gmuvax2!alewis
From: alewis@gmuvax2.gmu.edu (alewis)
Newsgroups: sci.electronics,rec.radio.amateur.misc,rec.ham-radio
Subject: magnetic antennas for HF
Message-ID: <3787@gmuvax2.gmu.edu>
Date: 14 Mar 91 22:00:10 GMT
Reply-To: alewis@gmuvax2.UUCP ( )
Followup-To: sci.electronics
Organization: George Mason Univ. Fairfax, Va.
Lines: 9
Xref: gmdzi sci.electronics:41907 rec.radio.amateur.misc:4990297 rec.ham-radio:20672

Hi,
I am looking for pointers to companies selling magnetic antennas for
HF (loop or loop-stick.) Automatic tuning would be preferable but is
not necessary. The only place I could think of was Palamar Engineering,
and they are closed for a vacation. Any guidance would be appreciated.

Thanks,

Alan (:^|

From 2131301610910050952
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,52712bb701a7deb8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,52712bb701a7deb8,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1992-01-20 20:56:55 PST
Path: sparky!uunet!cbmvax!rehab1!rehab2!dans
From: dans@rehab2.UUCP (Dan Schein)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: BC250 problem, any fixes out there?
Message-ID: <392@rehab2.UUCP>
Date: 20 Jan 92 22:16:52 GMT
Reply-To: dans@rehab2.UUCP (Dan Schein)
Followup-To: rec.radio.shortwave
Organization: Reading Rehab Hospital, Reading PA
Lines: 19

My old stand by scanner (Bearcat 250) has developed a problem. It works normal in search mode (enter high & low freq - scan between them). Also the bank buttons, speed, priority, manual, scan, etc all work normal. The problem is that all 50 channels have the same freq (9xx.xxx) with delay any lockout set. When I try to reprogram a channel it goes right back to the (bogus) 900 frequency.

Does anyone have any ideas whats wrong? How about any place that repairs these old babies for a fair price (perhaps flat fee swap out)?

Dan

```
--
  Reading Rehabilitation Hospital        _/\_        Those who worked the
  Dan Schein - Information Systems      \    /      hardest, are the last
  RD 1 Box 250                          /_  _\      to surrender.
  Reading, PA 19607                       \/           -= Gary Ward =-

  dans@rehab2.UUCP   -or-   ....{uunet,rutgers}!cbmvax!rehab1!rehab2!dans
```

From 3786234755208242152
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7724ef91a523be6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10d662,7724ef91a523be6,start
X-Google-Attributes: gid10d662,public
X-Google-Thread: 114aac,7724ef91a523be6,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 1109af,7724ef91a523be6,start
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 1992-02-15 23:31:56 PST
Xref: sparky mi.misc:229 rec.radio.shortwave:2699 rec.radio.swap:776
Path: sparky!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!
hamblin.math.byu.edu!shamu.caedm.byu.edu!yvax.byu.edu!caen!irie.ais.org!tim

Newsgroups: mi.misc,rec.radio.shortwave,rec.radio.swap,rec.ham-radio
Subject: Stolen Radio gear
Message-ID: <tim.698214806@irie.ais.org>
From: tim@irie.ais.org (Tim Tyler)
Date: Sat, 15 Feb 92 23:33:26 EST
Distribution: usa
Organization: UMCC - Ann Arbor, MI USA
Keywords: Icom 900 system, CMT, handheld scanner...
Summary: All taken in a Michigan car theft, 14 FEB 92
Lines: 49

The following items were STOLEN during a vehicle theft occuring in Madison Heights, Michigan on 14 FEB 92:

Icom IC-900 transceiver control head, sub units A & B, each with serial # 01205. UT-29 CTCSS board installed.

Icom UX-39A 220MHz module for IC-900, serial # 01222.

Icom UX-29H 2 meter module for IC-900, serial # 01289.

Icom UX-49A 440MHz module for IC-900, serial # 01734.

Icom CF-11 Cooling fan unit for IC-900, serial # 01328.

Uniden HR-2510 10-meter radio, serial # 83006772.

Fair Mate HP-2000 handheld scanner, serial # 19169.

Panasonic EB-362 transportable cellular telephone, in black carrying bag, serial # 157980.

BEL 'Vector 3 Remote' tri-band remote radar detector, serial # 267723.

Chances are that the above items will eventually turn up at hamfests and/or pawn shops in the Detroit, Michigan area.

If you come into contact with any of the above items, please contact the local police immediately, and/or contact the Madison Heights (Michigan) Police Department at 313/585-2100, citing case # 92-3167.

Also, I hope that EVERYONE with radio equipment in their vehicle(s) will verify that your insurance policy will cover such items, before you learn the hard way that it doesn't! It is also important to keep a listing of the serial #s of the items.

Thank you,

Tim

```
     KA8VIR

--
 Tim Tyler   Internet: tim@ais.org  MCI Mail: 442-5735  C$erve: 72571,1005
P.O. Box 443     Packet: KA8VIR @KA8UNZ.#SEMI.MI.USA.NA
Ypsilanti MI
48197-0443                 PADI, USPA, AFCEA, INEOA, P226, VFR700, etc.
```

```
From 2961752398292001226
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e23db3ac940339a8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,e23db3ac940339a8,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 107ada,e23db3ac940339a8,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: fa656,e23db3ac940339a8,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 1992-02-24 09:00:59 PST
Xref: sparky rec.radio.amateur.misc:4932 rec.radio.shortwave:2861
Newsgroups: rec.ham-
radio,rec.radio.amateur,rec.radio.amateur.misc,rec.radio.shortwave
Path: sparky!uunet!ispd-newsserver!laidbak!tellab5!vpnet!gagme.chi.il.us!wdp
From: wdp@gagme.chi.il.us (Bill Pfeiffer)
Subject: RFD new newsgroup rec.radio.broadcasting/talk.broadcasting.radio
Message-ID: <1992Feb23.221906.10676@gagme.chi.il.us>
Followup-To: news.groups
Organization: Gagme Public Access UNIX, Chicago, Illinois.
Date: Sun, 23 Feb 1992 22:19:06 GMT
Lines: 120
```

This is a call for discussion on the creation of a new Usenet newsgroup, tentitively entitled rec.radio.broadcasting. I am proposing that this newsgroup be moderated, and barring any serious objection, I am offering my time and energy to BE that moderator.

As the 'statement of charter' indicates, I believe that a group of this type is needed on Usenet because there is no current newsgroup dealing with the general subject of radio broadcasting. Yet radio is, arguably, the most consumed of all mass media, in terms of actual person/hours of exposure. People listen to radio in their cars, in their offices, while jogging, dining, reading, getting ready for work, commuting, and just about any other conceivable activity. Radio shapes our opinions, perceptions, musical tastes, and (hopefully) stimulates our imagination.

For these reasons, and others, I propose the creation of this newsgroup.

I suggest a 'moderated' format, for these reasons.

1) A properly moderated group generally produces a more concise and cohesive product w/less "net-clutter" and a higher signal/noise ratio.

2) If the moderator is knowledgable in the subject matter covered in the newsgroup, s/he can be of assistance in responding to questions posed to the group which might, otherwise, go un-answered.

3) Moderation of a newsgroup means different things to differnet people. My concept of moderation is simply to act as a buffer, weeding out test messages, repetitive, abusive or 'grossly off topic' messages, and to re-direct, misplaced articles to appropriate newsgroups.

I am an experienced broadcaster, and have had an avid interest in the medium since early childhood. I would consider moderating this group an honor and a pleasure, because of my respect for the medium, and the people in it. Plus, I have time and willingness to dedicate to such a project.

The tentitive name of 'rec.radio.broadcasting' (r.r.b) is, of course, open to change if a better title can be created. While the charter of the group suggests potential topics which are not specifically recreational, I tend to feel that 'rec' might be the be the most appropriate heading since the only other Usenet group dealing with domestic broadcast radio (rec.radio.noncomm) uses this heading and therefore r.r.b would be a good companion group.

I considered the name 'talk.radio.broadcasting', but felt there might be a misunderstanding that the group was centered around the 'talk radio' format. Perhaps something like 'talk.broadcasting.radio' might be a good alternative, but that will be determined by you folks "out there in Usenet-land" :), assuming that the process gets that far.

I do not envision r.r.b to be a replacement for any other newsgroup, including rec.radio.noncomm. The latter group's focus is on a specific genre of radio and therfore I feel the two groups would compliment, rather than compete with, one another.

****** Statement of charter; rec.radio.broadcasting. *********

Rec.radio.broadcasting (r.r.b) will be for discussion of a wide variety of subjects pertaining to the general arena of entertainment/information radio. While not specifically limited to North American broadcasting, r.r.b will avoid dealing with international (shortwave) broadcasts because this topic is already being handled in rec.radio.shortwave.

Valid subjects for discussion might include (but not be limited to);

1) Programming and formats
2) Technical and engineering matters
3) Concerns of smaller market stations
4) Innovations and legislation affecting the medium
   (and those attempting to enter it)
5) Radio's historical & cultural significance
6) Radio news coverage and it's impact on our nation and our world.
7) Audience input and ideas for improving the state of radio broadcasting.

Since rec.radio.noncommercial is the only Usenet group pertaining to domestic broadcast radio, r.r.b would provide a forum for those individuals who's interest in the medium is not limited to the non-commercial arena. I believe this group would be of great interest to Usenet participants because ...

1) Everybody listens to, and is affected by, radio broadcasting. It is the only mass media in which one can fully participate, while engaged in another activity.

2) Colleges and universities currently train, and graduate, thousands of potential radio professionals every year. These individuals would be very likely to participate in such a forum to discuss and compare notes on their chosen field of endeavor.

3) The face of radio is always changing. Satellite feeds, automation, and other influences are molding the future of the medium. This newsgroup would be a link between interested parties from all corners of the industry, keeping one-another up to date on the latest trends impacting radio broadcasting in America an beyond.

********************** End Of Statement Of Charter *********************

I welcome your comments and suggestions. If all goes reasonably well I will be putting out a 'Call For Votes' in about a month and hopefully the Usenet community will agree that such a group would be a valuable addition to it's heirarchy. Since this is not a proposal for 'splitting' an existing newsgroup, but rather for the creation of a group to fill a 'vacancy', I hope you will seriously consider a positive response to this proposal even if you, yourself, are not particularily involved or interested in broadcasting. Such a group could only augment the already diverse spectrum of Usenet newsgroups.

Feel encouraged to post responses to news.groups, and/or to e-mail me directly at the following address.

wdp@gagme.chi.il.us

send c.c. to..
wdp@chinet.chi.il.us

Thank you.

William D. Pfeiffer

```
From 3146251977752437724
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c1efb83c94245bf,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,2c1efb83c94245bf,start
```

X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1992-03-05 15:42:56 PST
Path: sparky!uunet!usc!apple!netcomsv!mork!nagle
From: nagle@netcom.com (John Nagle)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Midrange PC board fab houses?
Summary: Who does good low-end boards?
Keywords: PC board fab
Message-ID: <fzvh4pqnagle@netcom.com>
Date: 5 Mar 92 07:12:37 GMT
Organization: Netcom - Online Communication Services (408 241-9760 guest)
Lines: 18

At the low end we have Atlas Circuits (P.O. Box 892, Lincolnton, N.C 28092), who will do a board for only $0.78 a square inch plus $0.01 per hole plus $7.50 to make film from 2x art. No plated-through holes, no silkscreen, no solder mask, no inspection, 15-mil design rules. $10 minimum.

At the high end we have places like Hunter Technologies in Silicon Valley; plated-through holes, silkscreen, solder mask, accepts data files via modem, 100% inspection, fine-line design rules, multilayer available, MIL-spec qualified, various board materials available, minimum prototype order 10 boards at $400 to $600.

Who's in the middle? I'd like to find someone who charges $100 or so and can do plated-through holes. Solder mask and silkscreen optional. Suggestions?

John Nagle

From -7790737335097937999
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75fd8724dd9c446c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,75fd8724dd9c446c,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1992-03-09 15:44:30 PST
Newsgroups: rec.ham-radio,sci.electronics
Path: sparky!uunet!munnari.oz.au!network.ucsd.edu!casbah.acns.nwu.edu!nucsrl!ddsw1!whos
From: whos@ddsw1.MCS.COM (Ben Feen)
Subject: Ham terms... Propaganda???
Message-ID: <1992Mar8.081448.3606@ddsw1.MCS.COM>
Organization: ddsw1.MCS.COM Contributor, Chicago, IL
Date: Sun, 8 Mar 1992 08:14:48 GMT
Lines: 12

While talking to a friend the other day about Ham radio, he kept mentioning "getting good propaganda". After the third or fourth time, I said, "Uhhh, do you mean propagation?" He replied, "Well, propaganda's what all the real

```
hams call it."  Now... Is my friend full of it, or is this true?  He tends
to B.S. about things he has little knowledge about, so I have no idea.

Thanks.
--
Mail whos@ddsw1.mcs.com. | Whos at ddsw1? | Yes! | What? | No, whos! | Huh? |
Who? | Who what? | No, whos@ddsw1.mcs.com!  | Where? | DDSW1! | Who's there?|
Right! | Right? | Yes! | Oh, right@ddsw1.mcs.com? | No, WHOS@ddsw1.mcs.com! |
That's what I wanna find out! | What? | Who! | He's at ddsw1! | AAAAAAAAAGH!|


From 3544106832317676451
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75fd8724dd9c446c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,75fd8724dd9c446c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1992-03-09 18:12:04 PST
Path: sparky!uunet!world!ksr!jfw
From: jfw@ksr.com (John F. Woods)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: Ham terms... Propaganda???
Message-ID: <10524@ksr.com>
Date: 9 Mar 92 20:42:15 EST
References: <1992Mar8.081448.3606@ddsw1.MCS.COM>
Sender: news@ksr.com
Lines: 18

whos@ddsw1.MCS.COM (Ben Feen) writes:
>While talking to a friend the other day about Ham radio, he kept mentioning
>"getting good propaganda".  After the third or fourth time, I said, "Uhhh,
>do you mean propagation?"  He replied, "Well, propaganda's what all the real
>hams call it."  Now... Is my friend full of it, or is this true?  He tends
>to B.S. about things he has little knowledge about, so I have no idea.

Any "real ham" who expects to see the word "propaganda" on his FCC theory
test is in for a rude shock.  I suppose that some hams might use it as a joke,
and others might use it because they no longer know any better (the same ones
who use "omen meters"), but you won't find anyone knowledgable doing so with
a straight face.

John, WB7EEL

(By the way, "rec.ham-radio" is moribund, "rec.radio.amateur.misc" is the
sleek, high-tech replacement.  Bug your local news administrator if you
don't have it.)


From 8335822982117810186
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75fd8724dd9c446c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,75fd8724dd9c446c
```

```
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1992-03-10 19:56:44 PST
Path: sparky!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!
athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: Ham terms... Propaganda???
Summary: No.
Message-ID: <1992Mar11.033913.23749@athena.cs.uga.edu>
Date: 11 Mar 92 03:39:13 GMT
References: <1992Mar8.081448.3606@ddsw1.MCS.COM>
Organization: University of Georgia, Athens
Lines: 21

In article <1992Mar8.081448.3606@ddsw1.MCS.COM> whos@ddsw1.MCS.COM (Ben Feen)
writes:
>While talking to a friend the other day about Ham radio, he kept mentioning
>"getting good propaganda".  After the third or fourth time, I said, "Uhhh,
>do you mean propagation?"  He replied, "Well, propaganda's what all the real
>hams call it."  Now... Is my friend full of it, or is this true?

No.  The ham magazines and manuals are full of propaGATION (correctly spelled)
and I've never heard it called "propaganda."

I'm not only a ham, I'm a linguist, and I'd say offhand that either he was
genuinely mistaken and tried to cover it up, or else he is very insecure and
is eager to find some kind of obscure jargon to use in order to get the
feeling of being part of an "in crowd" (rather the way CBers used jargon
in the 1970s).

73 de N4TMI
--
==========================================================================
Michael A. Covington, Ph.D. |  mcovingt@uga.cc.uga.edu  |  ham radio N4TMI
Artificial Intelligence Programs | U of Georgia | Athens, GA 30602  U.S.A.
==========================================================================


From -9069552538747906080
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7ee1979c8c5ff44a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1109af,7ee1979c8c5ff44a,start
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 1992-03-17 11:33:29 PST
Path: sparky!uunet!bonnie.concordia.ca!ccu.umanitoba.ca!rflukes
From: rflukes@ccu.umanitoba.ca (Richard F. Lukes)
Newsgroups: rec.ham-radio,rec.radio.swap
Subject: FORSALE: RCA CR-91A receivers
Message-ID: <1992Mar17.183439.28254@ccu.umanitoba.ca>
Date: 17 Mar 92 18:34:39 GMT
Organization: University of Manitoba, Winnipeg, Canada
Lines: 18
```

Hello,

I have two RCA CR-91A receivers. These are old tube-type general
coverage receivers built sometime in the late 40's, early 50's (I think).
Both are in very good shape and weigh something nasty! Anyone who is
interested in these please contact me via e-mail. I would prefer if
only those familiar with these receivers purchase them. If you don't
know what it is, you probably don't want it :-)

73's
       Rich, VE4AIV

P.S. I am still looking for a Hallicrafters HA-20 VFO...

--
Richard F. Lukes   rflukes@ccu.UManitoba.CA
Computer Science Department   (or rflukes@ccm.UManitoba.CA)
University of Manitoba
WORK: (204)-474-8696   HOME: (204)-257-6701

From -3610375702184868662
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75fd8724dd9c446c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,75fd8724dd9c446c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1992-03-18 12:16:58 PST
Newsgroups: rec.ham-radio,sci.electronics
Path: sparky!uunet!zaphod.mps.ohio-state.edu!moe.ksu.ksu.edu!
hobbes.physics.uiowa.edu!news.iastate.edu!destroyer!csd475b!newsserv!pillera
From: pillera@etd4260a.erim.org (Joe Pillera)
Subject: Re: Ham terms... Propaganda???
Message-ID: <PILLERA.92Mar13072346@etd4260a.erim.org>
In-reply-to: whos@ddsw1.MCS.COM's message of 8 Mar 92 08:14:48 GMT
Sender: news@newsspool.erim.org
Organization: Environmental Research Institute of Michigan, Ann Arbor, Michigan
References: <1992Mar8.081448.3606@ddsw1.MCS.COM>
Date: 13 Mar 92 07:23:46
Lines: 28

> While talking to a friend the other day about Ham radio, he kept mentioning
> "getting good propaganda". After the third or fourth time, I said, "Uhhh,
> do you mean propagation?" He replied, "Well, propaganda's what all the real
> hams call it." Now... Is my friend full of it, or is this true? He tends
> to B.S. about things he has little knowledge about, so I have no idea.
>
> Thanks.

As a ham and SWL (shortwave listner), I thought your friend was
referring to the propaganda that one hears below 30 MHz in the AM
mode.

One need only listen to Radio Habanna (Cuba) or other such "official
government news stations" to see what I mean.

73,
-Joe
--

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-----
Joe Pillera, N8QYO                       ERIM
Research Scientist                       Image Processing Systems Division
pillera@erim.org                         P.O. Box 134001
(313) 994-1200 x2754                     Ann Arbor, Michigan  48113-4001

Disclaimer: The opinions expressed here are solely those of Joe Pillera,
            and not of ERIM or its affiliates.
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From 2210713483973847343
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75fd8724dd9c446c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,75fd8724dd9c446c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1992-03-19 08:47:17 PST
Path: sparky!uunet!mcsun!uknet!warwick!mrccrc!icdoc!syma!paulr
From: paulr@syma.sussex.ac.uk (Paul Russell)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: Ham terms... Propaganda???
Message-ID: <1992Mar19.114714.9094@syma.sussex.ac.uk>
Date: 19 Mar 92 11:47:14 GMT
References: <PILLERA.92Mar13072346@etd4260a.erim.org>
Organization: University of Sussex
Lines: 26

From article <PILLERA.92Mar13072346@etd4260a.erim.org>, by
pillera@etd4260a.erim.org (Joe Pillera):
>> While talking to a friend the other day about Ham radio, he kept mentioning
>> "getting good propaganda". After the third or fourth time, I said, "Uhhh,
>> do you mean propagation?" He replied, "Well, propaganda's what all the real
>> hams call it." Now... Is my friend full of it, or is this true? He tends
>> to B.S. about things he has little knowledge about, so I have no idea.
>>
>> Thanks.
>
> As a ham and SWL (shortwave listner), I thought your friend was
> referring to the propaganda that one hears below 30 MHz in the AM
> mode.
>
> One need only listen to Radio Habanna (Cuba) or other such "official
> government news stations" to see what I mean.
>

You forgot to mention Voice of America. ;-)

//Paul

```
--
|  Paul Russell                     |  "Microsoft MS-DOS 5.0 gives your  |
|  Dept Experimental Psychology  |   computer something you'll both   |
|  University of Sussex, Falmer  |   love - an extra 45k memory."     |
|  Brighton BN1 9QG, England     |        -- Microsoft advertisement  |
```

From -3024756879054592079
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f7f58fcbe3cc180,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,3f7f58fcbe3cc180,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 107ada,3f7f58fcbe3cc180,start
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1992-03-24 15:12:00 PST
Xref: sparky rec.radio.amateur.misc:6672 rec.radio.shortwave:3664
Path: sparky!uunet!decwrl!pacbell.com!iggy.GW.Vitalink.COM!widener!dsinc!pitt.edu!unix.cis.pitt.edu!manfredi
From: manfredi+@pitt.edu (Juan J Manfredi)
Newsgroups: rec.ham-radio,rec.radio.amateur.misc,rec.radio.shortwave
Subject: Apartment with Antennas for Rent
Message-ID: <203876@unix.cis.pitt.edu>
Date: 24 Mar 92 23:12:00 GMT
Sender: news@unix.cis.pitt.edu
Distribution: pa
Organization: University of Pittsburgh
Lines: 11
Originator: manfredi@pmax1.cis.pitt.edu

Apartment available May 1 on Oakland, near the University of Pittsburgh.
It has a multiband vertical R5 on top of the building which is 7 stories
high, with no obstacles around. This antenna is high and on the clear.
 Work plenty of DX as my logbook shows!. If interested respond by
e-mail or call 412-6835178.
Ah! The apartment has two bedrooms, two bathrooms and is on the sixth
floor. It has microwave, diswhasher,.. you name.. and it has
ANTENNAS!!. Be prepared for a >$700 a month rent.

Juan , NA0B.

From -1281962393668855308
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,da0824571f5a005,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f72a5,da0824571f5a005,start
X-Google-Attributes: gidf72a5,public

X-Google-Thread: 1009ad,da0824571f5a005,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 1109af,da0824571f5a005,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 1671f5,da0824571f5a005,start
X-Google-Attributes: gid1671f5,public
X-Google-Thread: 10f129,da0824571f5a005,start
X-Google-Attributes: gid10f129,public
X-Google-ArrivalTime: 1992-03-28 00:18:27 PST
Xref: sparky alt.radio.scanner:298 rec.radio.swap:1102 rec.video.cable-tv:713 rec.video.satellite:1973
Newsgroups: alt.radio.scanner,rec.ham-radio,rec.anateur.misc,rec.radio.swap,rec.video.cable-tv,rec.video.satellite
Path: sparky!uunet!zaphod.mps.ohio-state.edu!uwm.edu!linac!uchinews!machine!chinet!wdp
From: wdp@chinet.chi.il.us (Bill Pfeiffer)
Subject: CFV rec.radio.broadcasting
Message-ID: <1992Mar28.081827.10084@chinet.chi.il.us>
Date: Sat, 28 Mar 1992 08:18:27 GMT
Organization: Chinet - Public Access UNIX

This is a Call For Votes on the creation of a new Usenet newsgroup entitled 'rec.radio.broadcasting.

STATUS: Moderated.

PURPOSE: This group will be for the discussion of a wide variety of subjects pertaining to the general arena of domestic radio broadcasting. Topics of discussion might include (but not be limited to): Programming, Engineering/Technical, Radio news and political coverage, Challenges of secondary market stations, Innovations and legislation affecting the media, Historical and cultural significance, Network radio, Domestic pirate broadcasting, Differences and similarities in 'domestic' radio of various nations, General items of interest to broadcast professionals, hopefulls, affectionados, and casual listeners, Assistance to those desiring to enter the industry by providing a 'networking' infrastructure.

REASONS: Everybody listens to the radio. It influences our lives, our political beliefs, musical tastes, purchasing habits, and (hopefully) stimulates our imagination. Radio, in it's many forms, is pervasive. It is the only mass media in which one can fully participate while engaged in another activity. Amazingly, there is no Usenet newsgroup dedicated to the overall topic of radio broadcasting.

Limits: I do not envision rec.radio.broadcasting to be a replacement for such groups as rec.radio.noncomm or rec.radio.shortwave. Rec.radio broadcasting (r.r.b) would try to avoid dealing with subjects which are directly and _specifically_ related to the charter(s) of these groups, but will gladly cover _any_ subject which has significance to radio broadcasting in general, even if it involves noncommercial or shortwave stations. R.r.b would be likely to shy away from discussions (flame wars) about specific performers & bands, except as it pertains to radio programming and formats (there are many .music groups on the net for such discussions).

MODERATION: I have proposed this as a moderated group. I have also volunteered to serve as that moderator. I believe in a very 'light-handed' approach to moderation. Basically no more than a buffer, re-directing misplaced articles, attempting to quell excessive 'free-for-all-flame-fests' :-), and trying to keep the signal/noise ratio on the 'signal' side :-). *** I AM NOT A CENSOR ***. I will NEVER kill an article because it clashes with my beliefs or opinions! In addition, I have my own dedicated Unix system with it's own direct Internet e-mail feed, I have time and energy to dedicate to the project, I have had a life-long involvement with radio and communication, plus the wise counsel and support of many in the industry, and on the net.

```
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

#    #   ####    #####     #    #    #   ####
#    #  #    #     #       #    # #  #  #
 #  #   #    #     #       #    #   ##  #  ^^#
  ##     ####      #       #    #    #   ####

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
```

TO VOTE YES, SEND E-MAIL TO 'yes-rrb@gagme.chi.il.us' (OMIT THE QUOTES)
TO VOTE NO, SEND E-MAIL TO 'no-rrb@gagme.chi.il.us'

Only votes sent by e-mail, to the above address will be counted! Do not respond directly to this post. Voting will end on 4/30/92. No conditional votes will be accepted. Votes should have a line in the subject or body of the letter stating clear intent, such as..
"I vote yes on rec.radio.broadcasting as proposed" or
"I vote no on rec.radio.broadcasting as proposed", or some similar non-ambiguous statement. Mass acknowledgements, and possible re-posts of this CFV will appear from time to time in news.announce.newgroups and news.groups as well as other related newsgroups. Vote counts will be verified (if needed) by the sysadmin at the 'gagme' site.

If anyone desires direct corespondence with me on this subject, please write to me at my personal e-mail address 'wdp@airwaves.chi.il.us'. However, I will not enter into any discussion of vote totals or projections while the vote is underway.

** VOTES WILL NOT BE ACCEPTED AT THE 'AIRWAVES' ADDRESS! ***

(Exception to above rule: If your vote bounces, send it, and the entire bounced header, to me at airwaves, and it will be included).

Thanks to those who expressed support.

Respectfully

William Pfeiffer
wdp@airwaves.chi.il.us

From 775923928764249189
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e3b542cea67836e0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,e3b542cea67836e0,start
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1992-03-31 08:36:31 PST
Path: sparky!uunet!think.com!mips!cs.uoregon.edu!ogicse!pdxgate!
glen@janus.cs.pdx.edu
From: glen@janus.cs.pdx.edu (Glen Barney)
Newsgroups: rec.radio.amateur.misc,rec.ham-radio
Subject: Amateur Radio Group Forming
Message-ID: <5187@pdxgate.UUCP>
Date: 31 Mar 92 16:36:31 GMT
Article-I.D.: pdxgate.5187
Sender: news@pdxgate.UUCP
Distribution: pdx
Lines: 16

This Spring, an Amateur Radio interest group will be forming, serving PSU and Reed College. License classes will be taught, license examinations will be given, and several ham radio stations will be installed and made available to licensed operators.

Amateur Radio has a wide variety of areas and things you can get into - from television to radio/computer networking and packet transmission - Ham radio has it all. If you'd like more information, or if you're interested in getting involved, send email to glen@janus.cs.pdx.edu and we'll notify you when an organizational meeting is planned.

```
--*--  --*--  --*--  --*--  --*--  --*--  --*--  --*--  --*--  --*--  --*--
Glen Barney                       It'll take time, but we're going far,
Internet:  glen@cs.pdx.edu        you and me, I know we are - in time,
BangPath:  uunet!cs.pdx.edu!glen  we'll be dancing in the streets all night...
```

From 2756575708013805090
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eb1db833c025ee6f,start

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f8fcc,eb1db833c025ee6f,start
X-Google-Attributes: gidf8fcc,public
X-Google-ArrivalTime: 1992-04-26 19:36:34 PST
Xref: sparky rec.ham-radio:1 comp.dsp:1236
Path: sparky!uunet!spool.mu.edu!agate!dog.ee.lbl.gov!nosc!manta!gcole
From: gcole@manta.NOSC.MIL (Guy Cole)
Newsgroups: rec.ham-radio,comp.dsp
Subject: 68HC11 Development
Keywords: Help Request
Message-ID: <2808@manta.NOSC.MIL>
Date: 27 Apr 92 02:36:34 GMT
Article-I.D.: manta.2808
Organization: Naval Ocean Systems Center, San Diego
Lines: 20

Greetings Netlanders:
Forgive this if it seems to be posted to the wrong group, but there doesn't appear to be a group for embedded controllers.

I have read that there is a BBS which Motorola uses to support their embedded controller products. Would somebody please email me their telephone number?

Additionally, is anybody aware of a inexpensive C development environment for the 68XX processors? I was able to FTP an assembler from plains.ndsu.nodak.edu, but I am hoping someone has a compiler or cross compiler for this family.

Thanks in advance for any pointers!

Guy (KQ6J)
--
=-=
= gcole@manta.nosc.mil -=- G.S. Cole -=- Janitor, Delfin Systems, San Diego =
=-=

From -6491116231236734129
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7358474c0b42d246,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,aff4f2dcb5e5320c
X-Google-Attributes: gid107ada,public
X-Google-Thread: 105d97,aff4f2dcb5e5320c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1992-04-27 14:48:34 PST
Xref: sparky rec.ham-radio:2 rec.radio.amateur.misc:8291 sci.electronics:9139
Newsgroups: rec.ham-radio,rec.radio.amateur.misc,sci.electronics
Path: sparky!uunet!iWarp.intel.com|ichips!intelhf!dcovell
From: dcovell@intelhf.hf.intel.com (David Covell)
Subject: Re: Fluke 97 Scopemeter, any comments on them?
Message-ID: <1992Apr27.214834.5176@intelhf.hf.intel.com>

Organization: Development Tools Operation, Intel Corp., Hillsboro OR
References: <1992Apr27.205818.29446@boingo.med.jhu.edu>
Date: Mon, 27 Apr 92 21:48:34 GMT
Lines: 34

roberts@ishtar.med.jhu.edu (Dale Roberts) writes:

>Hello,

>I have been looking into the possiblilty of getting one of Fluke's new
>Scopemeters. These are their new portable digital multimeter/digital
>storage scope combos. They look very nice, and I'm sure they are of
>very high quality (being Fluke). The price also seems reasonable, for
>what the things do.

>If anyone has used one, or has seen one in use, I would like to hear
>their impressions. Does it work as well as the ads describe? What
>aren't they telling us. Is the scope display updated quickly (quickly
>enough that it looks like a real scope, and not a computer drawing a

Well, it uses and LCD display, so regardless of sampling speed it doesn't look like a crt scope. Fluke had a display here at Intel and the 97 looked pretty good to me.

>picture)? What limitations have you run into? What doesn't it do that
>you think it should do?

I can think of one possible draw-back to the 97: I'd be pretty cautious about using the DMM portion of a near-$2000 DMM/scope combo like this in any high-voltage/high-current aplication. I suspect the DMM and scope share some or all of the same processor, so any fatal over-voltage to the DMM could take out the scope too. I've learned the hard way that fuses don't always save you from your own negligence. Thus, I'd likely use the 97 primarily for the scope, and in that case I'd be better off with a separate scope and DMM. It may be that the 97 is rugged enough to handle massive over-voltage, but I'd hate to find out differently.
David Covell (who destroyed a $200 Phillips with 1400 VDC and learned the hard way that some meter manufacturers won't sell you replacement processors).

From -689316124160073237
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7358474c0b42d246
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,aff4f2dcb5e5320c
X-Google-Attributes: gid107ada,public
X-Google-Thread: 105d97,aff4f2dcb5e5320c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1992-04-27 23:46:16 PST
Xref: sparky rec.ham-radio:3 rec.radio.amateur.misc:8312 sci.electronics:9161
Newsgroups: rec.ham-radio,rec.radio.amateur.misc,sci.electronics
Path: sparky!uunet!rsiatl!jgd

From: jgd@dixie.com (John De Armond)
Subject: Re: Fluke 97 Scopemeter, any comments on them?
Message-ID: <7r#kkm@dixie.com>
Date: Tue, 28 Apr 92 06:46:16 GMT
Organization: Dixie Communications Public Access. The Mouth of the South.
References: <1992Apr27.205818.29446@boingo.med.jhu.edu>
Lines: 167

roberts@ishtar.med.jhu.edu (Dale Roberts) writes:

>I have been looking into the possiblilty of getting one of Fluke's new
>Scopemeters. These are their new portable digital multimeter/digital
>storage scope combos. They look very nice, and I'm sure they are of
>very high quality (being Fluke). The price also seems reasonable, for
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>If anyone has used one, or has seen one in use, I would like to hear
>their impressions. Does it work as well as the ads describe? What
>aren't they telling us. Is the scope display updated quickly (quickly
>enough that it looks like a real scope, and not a computer drawing a
>picture)? What limitations have you run into? What doesn't it do that
>you think it should do?

I have a 97 and love it. First off, forget any of the scopes except the 97. The others are unconciously gymped.

here's the good stuff.

It really does have a 50 mhz bandwidth on one channel. Less when running dual trace.

The screen is adequately fast, though the display update does sometimes lag the input by a fraction of a second. Think of it as a delay line. For signals that vary rapidly, there is an envelope mode that turns on all dots the signal crossed during the sample.

Fully isolated case qualified to attach to power lines of up to 600 volts.

A,B,A-B mode allows one to view all three phases of a three phase circuit, say of an inverter.

Several setup and waveform storage memories. Waveforms can be recalled to the display in any combinations.

Auto-setup. On repetitive signals, pushing this button picks the proper sweep and vertical scale to display a reasonable waveform.

Digital zoom. works by changing the sweep and trigger delay to keep the center of the screen centered.

Trigger works very well and is displayed on the screen.

Several transforms available including smoothing, averaging and pass filters.

Delay can be samples, events or sweeps.

Scope can accumulate twice the screen display's worth of samples which makes the pretrigger queue fairly deep.

Optically isolated data output can dump data, memories, the screen in either epson or HP format and accept remote control commands.

Voltmeter mode works very good, is fast and can display a mini-scope trace even on ohms. Min/Max mode displays min, max, average all in one display. AC is true RMS.

Is small enough to be carried almost everywhere. I hauled mine to the dragstrip this weekend to use to observe a radar gun output.

If the ni-cad pack goes dead, you can remove it and install dry cells. Nice touch.

Battery life is good. Days with the backlite off, spec'd 4 hours with it on. I've gotten more.

Here's the bad stuff.

You gotta kiss Fluke's ass to get 'em to sell you one. They began advertising the scope months before production started. I started trying to get mine back in November. Raising hell, including calling Fluke's president, did no good. I got mine about a month ago.

Fluke has honed the art of unbundling to a fine edge. The scope is reasonable but by the time you get through equipping it, you've got real money involved. Examples: Serial interface - $150, PC interface software - >$500, Amp clamp $100-$150 (ac or dc), Carrying case - $70 to $150, Service manual - $50 and so on.

Scope probes are fragile - I broke one the first day - and not anywhere near the quality of Tek probes.

HP printer output is not really PCL. It drives my clone laser printer fairly well (actual screen sized dump, rotated to landscape) but I've had a hell of a time trying to inport it into publishing software - one reason I bought the scope.

Screen dump is very coarse.

Backlite is inadequate.   Needs to be much brighter.

Keys are heavily overloaded. Too many softkeys. Even trigger level is on a soft key.

Voltage readings must be taken through the the A channel probe. It cannot be routed to the bannana jacks where ohms and such are done.

When the mini-scope display is up on the ohms screen, the sweep is fixed.

It has a dumb software limitation that one trace must always be on. That means you can't just turn off both channels in preparation of recalling stored traces. You have to turn your traces on and then go back and kill the real time traces.

The A/D is noisy, displaying a couple of pixels off of baseline even with the input shorted, either with a shorting plug or by selecting "gnd" on the input selector. It appears to be independent of range.

Input channels share a common ground. While this is typical of analog scopes and at first blush would not seem to be a problem, you find yourself using the scope in situations where separate grounds would be nice. Fluke will sell you a ground isolator - for a price.

The front of the display is extremely glossy which means reflections of overhead lights kills the display. I usually turn the lights off and use bench lights when using the scope. This is really dumb and unnecessary.

The highly touted signal/function generator is useless. Only a couple of fixed, oddball frequencies. This is obviously a case where a few bytes were available in ROM so the developers gave marketing something else to crow about. Forget it exists when evaluating the scope. The manual kinda indicates arbitrary waveform might be available using the PC software but I don't know since I refuse to pay the extortive price.

The fluke reps were very unresponsive. I got more info from distributor salesmen. I originally contacted Fluke to obtain a unit to do a magazine review on. Even this didn't faze 'em. They're not gonna like my review.

The scope is actually a Philips. I HATE philips scopes. That was a major reservation against my buying the unit. I know Fluke could have done a better front panel.

If you get one, save your money on the serial interface. Just to to radio shack and get that IR LED/photodetector they package together and wire them through level shifters to an RS-232 connector. I think they'll probably insert into the holes in the scope body. The factory cable powers the level shifters from the RS-232 handshake pins. This is a real f*ckup which precludes using a serial to parallel converter on parallel printers. First time the converter handshakes (typically between each byte for the cheap portable ones), the interfaces loses power and the dump is gone.

I'd make the same purchase again mainly because there is nothing else out
there. The Leader is a joke. So are the new Tek handhelds. For a
third more money ($2400 list), you don't even get trace annotations
or on-screen data. I had one in for a couple of days to evaluate
while waiting for the Fluke. Tek apparently thinks their isolated
input channels and CRT are going to sell the unit. NOT!

I like the scope and use it about 85% of the time but I do still the
465B sitting on the bench.

```
John
--
John De Armond, WD4OQC        | If speed kills, I musta died and
Rapid Deployment System, Inc. | gone to heaven.  UN-1261 forever!
Marietta, Ga                  |
jgd@dixie.com                 |Need public access in Atl?  Write me.
```

From 4375924266979576434
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cfe7a2049f5713a8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,cfe7a2049f5713a8,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,cfe7a2049f5713a8,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1992-04-28 05:14:50 PST
Xref: sparky rec.ham-radio:4 rec.ham-radio.swap:1 rec.radio.shortwave:4423
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.shortwave
Path: sparky!uunet!haven.umd.edu!news.umbc.edu!gmuvax2!crouland
From: crouland@gmuvax2.gmu.edu (Chris Rouland)
Subject: Locations for ICOM-R1 Manual...
Message-ID: <1992Apr28.121450.25793@gmuvax2.gmu.edu>
Sender: crouland@gmuvax2.gmu.edu (Chris Rouland)
Organization: George Mason University, Fairfax, Va.
Date: Tue, 28 Apr 1992 12:14:50 GMT
Lines: 9

I downloaded a postscript file containing the manual for the ICOM-R1
several months ago from an FTP site. Does anyone know any sites that
contain this file? I need a copy of the R1 manual, *desperately*
Thanks in advance...
Chris

crouland@gmuvax2.gmu.edu

From -7620826456180841613
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9dac5e6a4c6a977,start
X-Google-Attributes: gid10c9e3,public

```
X-Google-Thread: 11544f,9dac5e6a4c6a977,start
X-Google-Attributes: gid11544f,public
X-Google-Thread: 10fd50,9dac5e6a4c6a977,start
X-Google-Attributes: gid10fd50,public
X-Google-Thread: ff4aa,9dac5e6a4c6a977,start
X-Google-Attributes: gidff4aa,public
X-Google-Thread: fddbf,9dac5e6a4c6a977,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 103e83,9dac5e6a4c6a977,start
X-Google-Attributes: gid103e83,public
X-Google-Thread: f5ebf,9dac5e6a4c6a977,start
X-Google-Attributes: gidf5ebf,public
X-Google-Thread: fe1e5,9dac5e6a4c6a977,start
X-Google-Attributes: gidfe1e5,public
X-Google-ArrivalTime: 1992-04-28 11:19:45 PST
Xref: sparky alt.bbs.ads:834 alt.bbs.allsysop:462 alt.bbs.internet:2475
alt.bbs.lists:699 comp.org.eff.talk:3517 rec.ham-radio.packet:1
misc.entrepreneurs:1683 rec.ham-radio:5
Newsgroups:
alt.bbs.ads,alt.bbs.allsysop,alt.bbs.internet,alt.bbs.lists,comp.org.eff.talk,rec.
ham-radio.packet,misc.entrepreneurs,rec.ham-radio
Path: sparky!uunet!decwrl!world!sdw
From: sdw@world.std.com (Stephen D Williams)
Subject: Internet news/mail/etc. now affordable via Satellite & dialup
Message-ID: <BnFK8y.ItD@world.std.com>
Summary: Announcement of new Internet access service
Keywords: internet new email dialup satellite news
Organization: The World @ Software Tool & Die
Date: Tue, 28 Apr 1992 18:19:45 GMT
Lines: 163
```

Please read and return the following form and give copies to anyone interested or that should be interested in Internet access, especially NetNews and Email.

Internet News and Email Now Affordable via Satellite!

Available by June of 1992 for as little as $10-$20 per month in the Dayton area. Other cities will be added as demand warrants.

A new service is now being created that will provide a full feed of the world renown Internet NetNews (aka Usenet) and other services, including professional quality Electronic Mail (Email). This is a commercial service and is based on the Commercial Internet Exchange (CIX) services and guidelines. This allows this service to be used for very inexpensive commercial data traffic for EDI, email, data transfer, etc.

Long distance phone charges have finally been overcome for bulk data transfers. This is a new service making available for the first time: hardware, software, and satellite bandwidth for transfer of public access network information. With just a 386 or any other Unix capable system, we can provide software and satellite download hardware for a continuous 9600baud asynchronous connection. A low cost turnkey system is being developed now.

Some facts about Internet and its services:

Email:
Connection for email to nearly 10 Million people world-wide in all technologically advanced countries. A few notable examples: All of North America including nearly all Universities and businesses, most commercial and public email services (Compuserve, Fido, Genie, MCI Mail, ATT Mail), all of Europe, Russia, India, Israel, Japan, parts of South America and Africa, Australia, and New Zealand. Email is fairly secure and encryption is available.

News service:
Over 1200-1800 newsgroups on many subjects, hierarchically organized. This is not a traditional news service, but like a world-wide bulletin board system. Anyone can post to any group (although some are moderated) and their message is seen by up to a million news readers. Traffic averages over 30 Megabytes and 5000 NEW messages per day. Example newsgroups:

comp.graphics
comp.sources (with subdivisions)
comp.binaries.ibm.pc
misc.jobs.offered
misc.jobs.resumes
comp.std.c
rec.humor
misc.consumer
alt.bbs.allsysop
alt.bbs.ads
rec.radio.amateur (with further subdivisions)
soc.culture.australian
soc.singles
etc.

Archives of source code, binary (executables), data:
Access is possible to thousands of sites where archives of public domain or shareware source code and executables for every major computer, including: All Unix, MS-DOS, Mac, Amiga, etc. Each of these sites is larger than most bbses, often with Gigabytes of storage.
Also available are:
   standards documents
   archives of certain
   newsgroups
   public documents like the US constitution

public data like CIA World facts and maps, NASA pictures and archives, National Institutes of Health information, National Institute of Standards, various Security organizations.

People:
The leaders in technical fields often are available via email and sometimes personally communicate on and monitor Internet. Notable examples: Kernigan & Ritchie Bell Labs, Mitch Kapor EFF, Richard Stallman GNU.

Misc:
Time service, weather service, access to many commercial software or hardware companies for support.

There are several possible ways this service could be obtained:

Individual or small company Consumer:
Would make a local high speed serial call to a "Local Internet Gateway". This would allow reading or transferring email and news articles and posting or mailing new messages. Typical costs:
$5/mo and $2/hr or $20/20hrs. with discounts for higher volume.

Larger company or "Local Internet Gateway" provider:
Purchase software, satellite download equipment (18" dish, v.29 external modem, receiver, cable), and optionally a computer system with multiple serial ports and high speed modems.
The satellite download equipment would cost $1500 and software would be approximately $500-900 with a small yearly maintenance fee.
A commercial dial-up service would also be established with dial-up or high-speed leased line. This can run from $4/hr to $1000-2000 for T1 speeds (1.54 Megabits/sec). This connection is used for outgoing email and netnews traffic, error recovery for the satellite link, and telnet/ftp/irc(Internet Relay Chat, like CIS CB simulator)/X-windows traffic to be multiplexed. Multiple users can share the bandwidth.

Large regional network provider:
Provides the previous with high bandwidth access to CIX and provides local companies with low cost direct network access to Internet through a "firewall" system.

Stephen D. Williams, Pres. SDW Systems 10028 Village Tree Ct.
Miamisburg, OH 45342 Internet: sdw@world.std.com CIS: 76244,210
Digital Pager: 513-496-5223

Internet News and Email Now Affordable via Satellite!

New customers are needed to help plan for capacity. Dayton will be the first city setup, with several others following immediately.

Customers in any area or those interested installing a private company connection or a "Local Internet Gateway" should contact us so that we may coordinate.

This is especially valuable in smaller towns where there is no local computer service access.

Please fill out the following for interest registration and any requests for more information to:

Stephen D. Williams, Pres.
SDW Systems
10028 Village Tree Ct.
Miamisburg, OH 45342

Internet: sdw@world.std.com CIS: 76244,210
Digital Pager: 513-496-5223

Name: ____
Address:____
Phone (home and/or work):____
Email address:____
What are you interested in:

Consumer___   Local Internet Provider___
Other (explain):____

When would you be interested:_______________________________________

Comments:

--
Stephen D. Williams   SDW Systems (513) 496-5223 Pager (513) 439-5428 VMail
Object Oriented R&D   Internet:sdw@world.std.com CIS 76244.210@compuserve.com
Source Distribution   By Horse:10028 Village Tree Ct., Miamisburg, OH 45342
GNU Support   ICBM: 39 34N 85 15W

From -3227017966880513266
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7358474c0b42d246
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,aff4f2dcb5e5320c
X-Google-Attributes: gid105d97,public
X-Google-Thread: 107ada,aff4f2dcb5e5320c
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1992-05-02 13:13:56 PST
Xref: sparky rec.ham-radio:7 rec.radio.amateur.misc:8561 sci.electronics:9340
Newsgroups: rec.ham-radio,rec.radio.amateur.misc,sci.electronics
Path: sparky!uunet!zaphod.mps.ohio-state.edu!think.com!snorkelwacker.mit.edu!

thunder.mcrcim.mcgill.edu!capella.EETECH.McGill.CA!winslow
From: winslow@capella.EETECH.McGill.CA (Gregor Winslow)
Subject: Re: Fluke 97 Scopemeter, any comments on them?
Message-ID: <1992May2.201356.7365@thunder.mcrcim.mcgill.edu>
Keywords: n
Sender: news@thunder.mcrcim.mcgill.edu
Nntp-Posting-Host: capella.eetech.mcgill.ca
Organization: McGill University - Montreal, CANADA.
References: <1992Apr27.205818.29446@boingo.med.jhu.edu> <7r#kkm@dixie.com>
Date: Sat, 2 May 92 20:13:56 GMT
Lines: 20

well, I had the Fluke rep. come down to my office & give a demo. I'd been screwing around with this piece of crap Beckman Industrial calls a scope for the last 2 hours trying to get a decent reading on a nonlinear capacitive discharge. Fluke guy walks in & tries to show me his "look at the nice sine wave demo". Boring. Stop says I, plug it into this. Okay says he. I press the AutoSetup button and bingo: one perfect reading to go. I started to jot down the readings in my notebook when he just plugged the 97 into my the HP on my desk. Initial connect to hardcopy: less than 5 minutes. I ordered one on the spot.

That was back in December: still haven't got it. Fluke is backordered up the wazoo. They say May 15th. According to the Fluke rep, software bugs aren't the major concern for the 97 that they usually are for most embedded systems: he says that the entire firmware (about a megabyte) resides in nonvolatile ram. Bug fixes can be downloaded to the client through the serial port. Excellent move. Made me feel comfortable ordering a revision 1.00 unit.

winslow(at)capella.eetech.mcgill.ca

From 2737663425447619479
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eb1db833c025ee6f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f8fcc,eb1db833c025ee6f
X-Google-Attributes: gidf8fcc,public
X-Google-Thread: 103124,e922e28f7f5890ce,start
X-Google-Attributes: gid103124,public
X-Google-ArrivalTime: 1992-05-05 14:06:04 PST
Xref: sparky rec.ham-radio:8 comp.dsp:1284 comp.sys.m6809:260
Newsgroups: rec.ham-radio,comp.dsp,comp.sys.m6809
Path: sparky!uunet!mcsun!sun4nl!hgatenl!henk
From: henk@hgatenl.hobby.nl (Henk Dijkstra)
Subject: Re: 68HC11 Development
Organization: Hobbynet Organisatie, Netherlands.
Date: Tue, 5 May 92 21:06:04 GMT
Message-ID: <1992May5.210604.25521@hgatenl.hobby.nl>
Follow-Up: comp.sys.m6809
References: <2808@manta.NOSC.MIL>
Keywords: Help Request

```
Lines: 35

gcole@manta.NOSC.MIL (Guy Cole) writes:

>    Forgive this if it seems to be posted to the wrong group, but there
>doesn't appear to be a group for embedded controllers.

(You should have tried: comp.sys.m6809. I know it seems far fetched)

>    I have read that there is a BBS which Motorola uses to support their
>embedded controller products.  Would somebody please email me their
>telephone number?
>    Additionally, is anybody aware of a inexpensive C development
>environment for the 68XX processors?

The BBS you mentioned is the one Motorola maintains, it contains lots of
goodies, like cross-assemblers, HC11 (small)-C compiler, etc.
Some with sources but not all :-(

Now about the BBS:
Its is called: Motorola, Freeware, Electronic Bulletin Board
Access instructions:
        1) Set system character format to 8-bit, no parity, 1 stop bit.
        2) Dial freeware number (512) 891-FREE (891-3733)
        3) Enter the requested information to log on.
           You are now a registered user.
        4) Follow the menus for the desired functions.
           (E.g. download, upload, mail etc.) Online help is available.

P.S.
If you make contact, please leave a message to the sysop, that we here in
Europe would like to receive a new copy of the BBS, the last update
we received is now about 3 years old.

--
Henk Dijkstra               || domain: henk@hgatenl.hobby.nl
Hobbynet User Group, Netherlands.    || Tel: (+31) 36-53.61.683 (Voice)


From -2975229912811070418
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7cc15e7a73838c01,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,7cc15e7a73838c01,start
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1992-05-06 19:03:14 PST
Xref: sparky rec.ham-radio:10 rec.radio.amateur.misc:8776
Newsgroups: rec.ham-radio,rec.radio.amateur.misc
Path: sparky!uunet!nevada.edu!johann
From: johann@nevada.edu (johann)
Subject: J-ANTENNA : how does it work?  how is it mounted?
Message-ID: <1992May7.020314.4118@nevada.edu>
Originator: johann@redrock.nevada.edu
```

Keywords: J, antenna
Sender: news@nevada.edu (USENET News System)
Organization: University of Nevada System, Computing Services
Distribution: usa
Date: Thu, 7 May 1992 02:03:14 GMT
Lines: 13

I just picked up a J-Antenna to do my 2m packet, but I don't see by its design how it works: it would seem the _metal_ bar across the base short circuits the input. Except for the short ckt, the antenna reminds me of a tuning fork...is this a close analogy?

On Mounting: Given the design of the J-Antenna and its metal base, does it need to be isolated from the mast (which goes deep into the ground)... Or can it be grounded without affecting the performance of the antenna?

Thanks in Advance,
Jason Cathcart
johann@nevada.edu - N7OJN @ W2XO.#WPA.PA.USA.NOAM - UCCNS:UNLV

From 8576834724600400246
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f07703d2b62bbe94,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,f07703d2b62bbe94,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 107ada,f07703d2b62bbe94,start
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1992-05-19 08:24:06 PST
Xref: sparky rec.ham-radio:12 rec.radio.amateur.misc:9399 rec.radio.cb:565
Newsgroups: rec.ham-radio,rec.radio.amateur.misc,rec.radio.cb
Path: sparky!uunet!zaphod.mps.ohio-state.edu!usc!news.bbn.com!mips2!godzilla!jsantos
From: jsantos@godzilla.ma30.bull.com (James Santos)
Subject: AM antenna question
Organization: Bull HN Informations Systems Inc.
Date: 19 May 92 20:02:31 GMT
Message-ID: <jsantos.706305751@godzilla>
Sender: news@mips2.ma30.bull.com (Usenet News Manager)
Lines: 20

Hi,

I am not really an amateur radio enthusiast, but I thought that this might be a good place to ask this question. I was wondering if there was anything that I could do to improve the reception of a standard AM radio. Since these radios typically do not have any connections for an external antenna, I am sort of at a loss regarding how to apporach this. I seem to remember seeing something a long time ago about being able to build an antenna that can somehow can be inductively coupled to the radio rather than directly connected, but

this could be a figment of my imagination :-) Any help that you could
give me would be greatly appreciated.

Thanks

--
Jim Santos
Bull Worldwide Information Systems
J.Santos@bull.com

From 6099541308488167674
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9a23c1aa4cf9109a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109c0d,9a23c1aa4cf9109a,start
X-Google-Attributes: gid109c0d,public
X-Google-Thread: f76e2,9a23c1aa4cf9109a,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 111f31,9a23c1aa4cf9109a,start
X-Google-Attributes: gid111f31,public
X-Google-ArrivalTime: 1992-05-28 08:22:46 PST
Xref: sparky misc.forsale:17154 pnw.forsale:1001 rec.ham-radio:13 rec.ham-radio.swap:6
Path: sparky!uunet!ogicse!reed!nobody
From: sloth@reed.edu!sloth.Reed.Edu!harden (Douglas Harden)
Newsgroups: misc.forsale,pnw.forsale,rec.ham-radio,rec.ham-radio.swap
Subject: FORSALE: Amateur satellite hardware
Keywords: rotators, antenna
Message-ID: <m0lqdNl-00026bC@sloth.reed.edu>
Date: 28 May 92 05:50:43 GMT
Article-I.D.: sloth.m0lqdNl-00026bC
Sender: harden@reed.edu (Douglas Harden)
Distribution: pnw
Organization: Reed College, Portland, OR
Lines: 25

I have various hardware items for amateur satellite radio for
sale/trade/etc. I am basically trying to get rid of them, but still would
like to see a fair price.

For sale:
10' steel tripod and mast
Alliance AZ rotator and controller
Kenpro EL rotator and controller (also fiberglass boom)
18 element 435 MHz CP beam (RH and/or LH sense, 12V remote)
50+' 9915 coax
50+' coax -- semi-hardline...but not sure of type off hand

I will deliver them anywhere (in general PNW area). Make offer...(yes, I
usually like to see the prices posted as well).

```
Call (503) 222-7493
or e-mail   harden@romulus.reed.edu
            harden@cc.pdx.edu
Thanks de Doug N6WFD

--
Douglas Harden
Reed College, Portland, OR
harden@reed.edu (NeXT mail or otherwise)


From -6518342412188188835
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3966c5bad938f071,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,3966c5bad938f071,start
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1992-06-25 20:09:38 PST
Xref: sparky rec.radio.amateur.misc:11324 rec.ham-radio:15
Newsgroups: rec.radio.amateur.misc,rec.ham-radio
Path: sparky!uunet!usc!sol.ctr.columbia.edu!news.columbia.edu!
cunixa.cc.columbia.edu!hyx1
From: hyx1@cunixa.cc.columbia.edu (Harry Y Xu)
Subject: Attn: Cornell ARC
Message-ID: <1992Jun27.024712.808@news.columbia.edu>
Sender: Harry Xu
Nntp-Posting-Host: cunixa.cc.columbia.edu
Reply-To: hyx1@cunixa.cc.columbia.edu (Harry Y Xu)
Organization: Columbia University
Date: Sat, 27 Jun 1992 02:47:12 GMT
Lines: 12

     Any Cornellians out here?
     I remember reading articles from members of the Cornell ARC.
Hope one of u will c this.
     I have a Novice friend at Cornell who's exhausted his effort
to locate the Cornell ARC.  He would be overjoyed if someone would him
info leading to the Cornell University ARC.
     His name: Dennis Cho.  Email address: YVYX@CORNELLA.cit.cornell.edu.
Tnx,
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
|    Harry Xu  (KB2LHA/KT)              <>    Enjoying Summer!!!
       |
|    hyx1@columbia.edu                <>    E-mail reply appreciated.   |
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-


From -7459538194746867965
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3966c5bad938f071
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,3966c5bad938f071
```

X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1992-06-26 14:55:10 PST
Xref: sparky rec.radio.amateur.misc:11329 rec.ham-radio:16
Newsgroups: rec.radio.amateur.misc,rec.ham-radio
Path: sparky!uunet!usc!sol.ctr.columbia.edu!news.unomaha.edu!odin!pschleck
From: pschleck@odin.unomaha.edu (Paul W Schleck KD3FU)
Subject: Re: Attn: Cornell ARC
Message-ID: <pschleck.709623399@odin>
Sender: news@news.unomaha.edu (UNO Network News Server)
Organization: University of Nebraska at Omaha
References: <1992Jun27.024712.808@news.columbia.edu>
Date: Sat, 27 Jun 1992 05:36:39 GMT
Lines: 38

hyx1@cunixa.cc.columbia.edu (Harry Y Xu) writes:

```
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>Tnx,
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>|    Harry Xu  (KB2LHA/KT)              <>    Enjoying Summer!!!
       |
>|    hyx1@columbia.edu              <>    E-mail reply appreciated.   |
>-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
```

I'm really seriously underwhelmed by certain individuals on the Cornell payroll, such as those in Student Government and/or Campus Activities who can't even determine the whereabouts of a student organization. Reminds me of tenured EE professors who were "surprised" that the University of Maryland had a ham club (we've had one for damn near 60 years).

But anyway, your post deserves constructive suggestions and not soapboxing (enjoyable as that may be :-). I've sent along information about the Ham-Univ mailing list for college clubs, which may have some subscribers from Cornell. (Other interested individuals can E-mail me for subscription information).

If that fails, you might try Luck Hurder, KY1T, with Club Services at the ARRL. His E-mail address is lhurder@arrl.org and he might be able to provide contact information for the Cornell club.

Good luck with your quest.

73, Paul W. Schleck, KD3FU

pschleck@unomaha.edu

From 8590853112143438238
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cec007f72b5a3fd3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,cec007f72b5a3fd3,start
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1992-06-27 13:35:54 PST
Xref: sparky rec.ham-radio:17 rec.radio.amateur.misc:11343
Newsgroups: rec.ham-radio,rec.radio.amateur.misc
Path: sparky!uunet!nih-csl!postman
From: arm@helix.nih.gov (Andrew Mitz)
Subject: Need help with cross-polarized antenna
Message-ID: <1992Jun28.012119.3066@alw.nih.gov>
Followup-To: arm@helix.nih.gov
Summary: How do I feed two dipoles?
Sender: arm@helix.nih.gov
Organization: National Institutes of Health, Bethesda
References: <1992Jun24.131317.26054@fel.tno.nl>
Date: Sun, 28 Jun 1992 01:21:19 GMT
Lines: 27

I want to build a cross-polarized (circular polarized) antenna for relatively short range operation. It is to receive a signal from a small transmitter that might be in almost any position.

The simplest approach is to make two dipoles at right angles to each other. I am working at about 86 MHz. I don't want to space the dipoles 1/4 wavelength apart, because I don't have the space. Can I arrange two dipoles almost touching each other? How do I feed them to keep a 50 ohm match? Do I have to worry about the phasing between them? Do I care if the circular polarization is right handed or left handed?

Please send a copy of your suggestion to my Mail address so I won't run the risk of missing your posting. Thanks.

```
------------------------------------------------------
Andrew Mitz, WA3LTJ          |    NIH Animal Center
Biomedical Engineer          |    Poolesville, MD
------------------------------------------------------
```

All opinions expressed are my own and not intended
to represent any governmental institute.

From 5605908290813286851

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3966c5bad938f071
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,3966c5bad938f071
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1992-06-29 00:44:28 PST
Xref: sparky rec.radio.amateur.misc:11375 rec.ham-radio:18
Path: sparky!uunet!haven.umd.edu!darwin.sura.net!guvax.georgetown.edu!roakley
From: roakley@guvax.georgetown.edu
Newsgroups: rec.radio.amateur.misc,rec.ham-radio
Subject: Re: Attn: Cornell ARC--reply
Message-ID: <1992Jun29.093353.1073@guvax.georgetown.edu>
Date: 29 Jun 92 09:33:53 -0400
References: <1992Jun27.024712.808@news.columbia.edu> <pschleck.709623399@odin>
Distribution: world
Organization: Georgetown University
Lines: 70

In article <pschleck.709623399@odin>, pschleck@odin.unomaha.edu (Paul W Schleck
KD3FU) writes:
> hyx1@cunixa.cc.columbia.edu (Harry Y Xu) writes:
>
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>>   I remember reading articles from members of the Cornell ARC.
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>>   I have a Novice friend at Cornell who's exhausted his effort
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>>info leading to the Cornell University ARC.
>>   His name: Dennis Cho.  Email address: YVYX@CORNELLA.cit.cornell.edu.
>>Tnx,
>>-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
>>|    Harry Xu  (KB2LHA/KT)              <>    Enjoying Summer!!!
      |
>>|    hyx1@columbia.edu             <>    E-mail reply appreciated.   |
>>-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
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>
> But anyway, your post deserves constructive suggestions and not
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>
> If that fails, you might try Luck Hurder, KY1T, with Club Services at the
> ARRL.  His E-mail address is lhurder@arrl.org and he might be able to
> provide contact information for the Cornell club.
>
```

> Good luck with your quest.
>
> 73, Paul W. Schleck, KD3FU
>
> pschleck@unomaha.edu
>

The last I knew, Cornell had an active club, located in Barton Hall. I am sure I chatted with someone from the club on their two meter station when I was visiting there within the last year. In addition, a few months ago I talked with a recent president of their club who had relocated to MD. So I am sure they are still around. Tell your friend to try snooping around Barton Hall or to consult the student directory.

Two other possibilities. The people at the front desk of the Straight (any Cornellian knows what that means) usually know all their is to know about student life at Cornell. Alternatively, you could consider asking at the library (radical thought in these days when all information has to be online, or it doesn't count). Uris library, in particular, has a wealth of information about the campus and the various activities.

Bob Oakley
WK3C
Cornell Arts '68; Law '76

```
  ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

  Robert L. Oakley (Bob)            PHONE:      (202) 662-9160
  Georgetown Univ. Law Library      FAX:        (202) 662-9202
  111 G Street, N.W.                BITNET:     ROAKLEY@GUVAX.BITNET
  Washington, D.C.  20001           INTERNET:   ROAKLEY@GUVAX.GEORGETOWN.EDU
                                    ARS:        WK3C

  +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
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From 134867658983749087
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,adf97f14116f9b8b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,adf97f14116f9b8b,start
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1992-07-03 09:52:20 PST
Xref: sparky rec.radio.amateur.misc:11648 rec.ham-radio:19
Newsgroups: rec.radio.amateur.misc,rec.ham-radio
Path: sparky!uunet!mcsun!news.funet.fi!funic!nntp.hut.fi!vipunen.hut.fi!jsi
From: jsi@vipunen.hut.fi (Jukka Tapio Sirvi|)
Subject: UX1A, 6M DXpediton to Vyborg
Message-ID: <1992Jul3.214700.153@nntp.hut.fi>
Sender: usenet@nntp.hut.fi (Usenet pseudouser id)

Nntp-Posting-Host: vipunen.hut.fi
Organization: Helsinki University of Technology
Date: Fri, 3 Jul 1992 21:47:00 GMT
Lines: 12

OH6DD, OH2BC, OH1ZAA, UW1AE and UW3AX will activate Vyborg UA1 on July 5-10.
Operation is postponed by two days from the original plan. Operation will
take place from a hotel which is one of the highest buildings in Vyborg.
Operation frequencies are 50.135, 50.105, 50.120, 50.155. Callsign is UX1A,
grid KP40. Set-up consists of FT-650 + 5 el yagi. QSL via OH2BC.

Heading for UA1 in about 30 hours from now. CU in the pile-ups.

Jukka OH6DD

From 8910670999567725219
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5b1e3ac7bc6dc4ca,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,5b1e3ac7bc6dc4ca,start
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1992-07-03 09:52:22 PST
Xref: sparky rec.radio.amateur.misc:11649 rec.ham-radio:20
Newsgroups: rec.radio.amateur.misc,rec.ham-radio
Path: sparky!uunet!mcsun!news.funet.fi!funic!nntp.hut.fi!vipunen.hut.fi!jsi
From: jsi@vipunen.hut.fi (Jukka Tapio Sirvi|)
Subject: Re: YL/ES9C, 6M DXpedition to Latvia
Message-ID: <1992Jul3.214849.233@nntp.hut.fi>
Sender: usenet@nntp.hut.fi (Usenet pseudouser id)
Nntp-Posting-Host: vipunen.hut.fi
Organization: Helsinki University of Technology
Date: Fri, 3 Jul 1992 21:48:49 GMT
Lines: 8

Same equipment that will be used at UX1A will be lend to YL/ES9C dxpedition.
The date has not been decided yet. Enn ES1AR has licence that allows
operation on 50.100- 50.200 MHz on June 25 - August 25 1992. Arvo ES1CW
and possibly some OH ops will join (number of trips to YL is not limited).

Jukka OH6DD

From 4171068003089776834
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3966c5bad938f071
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,3966c5bad938f071

X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1992-07-06 02:54:46 PST
Xref: sparky rec.radio.amateur.misc:11729 rec.ham-radio:21
Newsgroups: rec.radio.amateur.misc,rec.ham-radio
Path: sparky!uunet!newsgate.watson.ibm.com!yktnews!admin!watson!codella.watson.ibm.com!codella
From: codella@codella.watson.ibm.com (Chris Codella)
Subject: Re: Attn: Cornell ARC
Sender: @watson.ibm.com
Message-ID: <1992Jul06.165717.40865@watson.ibm.com>
Date: Mon, 06 Jul 92 16:57:17 GMT
Reply-To: codella@watson.ibm.com
References: <1992Jun27.024712.808@news.columbia.edu>
Organization: IBM T. J. Watson Research Center
Lines: 21

In article <1992Jun27.024712.808@news.columbia.edu>,
hyx1@cunixa.cc.columbia.edu (Harry Y Xu) writes:
|>   Any Cornellians out here?
|>   I remember reading articles from members of the Cornell ARC.
|> Hope one of u will c this.
|>   I have a Novice friend at Cornell who's exhausted his effort
|> to locate the Cornell ARC. He would be overjoyed if someone would him
|> info leading to the Cornell University ARC.
|>   His name: Dennis Cho. Email address: YVYX@CORNELLA.cit.cornell.edu.

Email to this address bounced. Anyway, here's the info. The Cornell ARC is located in Barton Hall at the top of the tower on the left side (as you look at the front of the building). You can see the antennas from anywhere on campus where you can see Barton.

Also, you might try contacting Steve Powell, N2BU who has an office in the Theory Center and is active with the club.

Chris Codella, W2PA

From 2757575399508173175
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e7171c244edee65a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 111a4f,e7171c244edee65a,start
X-Google-Attributes: gid111a4f,public
X-Google-Thread: 105d97,e7171c244edee65a,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1992-07-06 18:27:16 PST
Xref: sparky ott.general:424 sci.electronics:12407 rec.ham-radio:22
Newsgroups: ott.general,sci.electronics,rec.ham-radio
Path: sparky!uunet!wupost!cs.utexas.edu!torn!cunews!nrcnet0!bnrgate!bcrka451!cadnews
From: peirce@bnr.ca (John Peirce)

Subject: Wanted: High Power Carbon Resistors
Message-ID: <1992Jul7.171009.2835@bcrka451.bnr.ca>
Sender: 5E00 Corkstown News Server
Organization: Bell-Northern Research, Ottawa, Canada
Distribution: na
Date: Tue, 7 Jul 1992 17:10:09 GMT
Lines: 12

Hi Friends

I am looking for a cheap source of power carbon or
non inductive resistors for R.F. applications. The
value I require is 800Ohm 50W. Any parallel or series
combination will do; 50 1W resistors are not cheap!

Thanks

John Peirce

From 7471779851983599327
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3966c5bad938f071
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,3966c5bad938f071
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1992-07-07 06:14:22 PST
Xref: sparky rec.radio.amateur.misc:11806 rec.ham-radio:23
Path: sparky!uunet!centerline!noc.near.net!news.Brown.EDU!qt.cs.utexas.edu!yale.edu!nigel.msen.com!ilium!gdls!turini
From: turini@gdls.UUCP (CSC @ GDLS)
Newsgroups: rec.radio.amateur.misc,rec.ham-radio
Subject: Re: Attn: Cornell ARC
Summary: I found the club!
Message-ID: <4788@gdls.UUCP>
Date: 7 Jul 92 20:32:48 GMT
References: <1992Jun27.024712.808@news.columbia.edu> <pschleck.709623399@odin>
Followup-To: poster
Organization: General Dynamics Land Systems, Sterling Heights, MI
Lines: 11

Three summers ago I was at Cornell for a two week seminar. I saw the antennas
and inquired at the student union or some such information center and they
promptly directed me to the president of the club.

For $5 I got a key and the use of the station for two weeks. Except for the
long climb to the station, it was a wonderful experience at Cornell.

I suggest that the student be more resourceful!

Bill   KA4GAV

From -7004558942574926198
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e7171c244edee65a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,e7171c244edee65a
X-Google-Attributes: gid105d97,public
X-Google-Thread: 111a4f,e7171c244edee65a
X-Google-Attributes: gid111a4f,public
X-Google-ArrivalTime: 1992-07-07 12:45:26 PST
Xref: sparky ott.general:426 sci.electronics:12426 rec.ham-radio:24
Newsgroups: ott.general,sci.electronics,rec.ham-radio
Path: sparky!uunet!think.com!spdcc!dirtydog.ima.isc.com!
newsserver.pixel.kodak.com!kodak!ornitz
From: ornitz@kodak.kodak.com (Barry Ornitz)
Subject: Re: Wanted: High Power Carbon Resistors
Message-ID: <1992Jul8.000112.8519@kodak.kodak.com>
Followup-To: sci.electronics
Summary: Carborundum Company
Keywords: power resistor, non-inductive
Sender: Barry L. Ornitz
Organization: Eastman Kodak Company, Eastman Chemical Company Research Labs
References: <1992Jul7.171009.2835@bcrka451.bnr.ca>
Distribution: na
Date: Wed, 8 Jul 92 00:01:12 GMT
Lines: 23

In article <1992Jul7.171009.2835@bcrka451.bnr.ca> peirce@bnr.ca
(John Peirce) writes:
>I am looking for a cheap source of power carbon or
>non inductive resistors for R.F. applications. The
>value I require is 800Ohm 50W. Any parallel or series
>combination will do; 50 1W resistors are not cheap!

Try the Carborundum Company in Niagra Falls, NY. They make a good line of high-power non-inductive resistors. Caddock Electronics (Riverside, CA) and Bird Electronic Corp. (Cleveland, OH) also come to mind.

You will probably find 50 1-watt resistors are far cheaper if you really want low inductance.

```
                   Barry
 -----------------
|  ___  ________  |       Dr. Barry L. Ornitz          WA4VZQ
| |  / /        | |       Eastman Kodak Company
| | / /         | |       Eastman Chemical Company Research Laboratories
| |< < K O D A K| |       Process Instrumentation Research Laboratory
| | \ \         | |       P. O. Box 1972, Building 167B
| |__\ \________| |       Kingsport, TN  37662       615/229-4904
|                 |       INTERNET:   ornitz@kodak.com
 -----------------
```

From 721648007891715840
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e7171c244edee65a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 111a4f,e7171c244edee65a
X-Google-Attributes: gid111a4f,public
X-Google-Thread: 105d97,e7171c244edee65a
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1992-07-09 07:35:40 PST
Xref: sparky ott.general:434 sci.electronics:12502 rec.ham-radio:25
Path: sparky!uunet!dtix!darwin.sura.net!uvaarpa!vdoe386!ragee
From: ragee@vdoe386.vak12ed.edu (Randy Agee)
Newsgroups: ott.general,sci.electronics,rec.ham-radio
Subject: Re: Wanted: High Power Carbon Resistors
Message-ID: <1992Jul09.201427.7911@vdoe386.vak12ed.edu>
Date: 9 Jul 92 20:14:27 GMT
References: <1992Jul7.171009.2835@bcrka451.bnr.ca>
Distribution: na
Organization: Virginia's Public Education Network (Richmond)
Lines: 16

John,
Several years ago I needed a 100W 70 Ohm non inductive power
load. Rather than purchase 50 2W carbon resistors I took ten
2W resistors (DETERMINE VALUE NEEDED BY FORMULA FOR RESISTORS IN
PARALLEL), made a sandwich with all of them in parallel on
copper plate, attached an RF connector to a gallon metal paint
can lid, filled the can with mineral oil and dropped the whole
mess inside. There was some minor loss of total resistance
from the oil, but overall it worked great! You will need a
small vent hole in the lid. If you really want to be safe,
keep the thing in the refrigerator until you need it. Should
handle your power for up to 10 continous minutes without damage
to the resistors.

Randy Agee
ARS WB4BZX

From 392070756658225733
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,e16d6a56035b2179,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,e16d6a56035b2179,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9270,e16d6a56035b2179,start
X-Google-Attributes: gidf9270,public
X-Google-ArrivalTime: 1992-07-14 18:02:20 PST
Xref: sparky rec.radio.shortwave:5732 rec.video:9187 rec.ham-radio:26
Organization: Carnegie Mellon, Pittsburgh, PA
Path: sparky!uunet!sun-barr!cs.utexas.edu!usc!wupost!udel!rochester!
cantaloupe.srv.cs.cmu.edu!crabapple.srv.cs.cmu.edu!andrew.cmu.edu!mf1w+

Newsgroups: rec.radio.shortwave,rec.video,rec.ham-radio
Message-ID: <weMyyfu00VpZ4_NXN2@andrew.cmu.edu>
Date: Wed, 15 Jul 1992 05:28:11 -0400
From: Michael Franzini <mf1w+@andrew.cmu.edu>
Subject: MTS, NICAM, and SLC
Lines: 20

Here in Madrid several TV stations have started broadcasting in two languages-- original version (usually English) and dubbed (Spanish). According to an article in the newspaper, you need a "special" TV to tune the alternate language soundtrack. I'd like to believe there is a cheaper way.

Can anyone explain how this works?

I've heard that in the States there is something called SLC ("second language channel") or MTS (stereo tv), and that one can buy an MTS decoder pretty cheaply. The short newspaper article called the alternate soundtrack scheme "NICAM". Is MTS/SLC the same thing as NICAM?

Thanks!
--Mike

---
Michael Franzini --- Telefonica I+D, Espana --- maf@craso.tid.es

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From -1016973456130467591
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,40e24c1776caa834,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 15ad68,40e24c1776caa834,start
X-Google-Attributes: gid15ad68,public
X-Google-Thread: 109c0d,40e24c1776caa834,start
X-Google-Attributes: gid109c0d,public
X-Google-Thread: f76e2,40e24c1776caa834,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1009ad,40e24c1776caa834,start
X-Google-Attributes: gid1009ad,public
X-Google-Thread: 1109af,40e24c1776caa834,start
X-Google-Attributes: gid1109af,public
X-Google-ArrivalTime: 1992-08-03 02:44:26 PST
Xref: sparky rec.radio.swap:2054 rec.ham-radio:30 rec.ham-radio.swap:17 alt.radio.scanner:1490 misc.forsale:22683
Path: sparky!uunet!dtix!darwin.sura.net!zaphod.mps.ohio-state.edu!usc!sol.ctr.columbia.edu!news.columbia.edu!cunixa.cc.columbia.edu!gmw1
From: gmw1@cunixa.cc.columbia.edu (Gabe M Wiener)
Newsgroups: rec.radio.swap,rec.ham-radio,rec.ham-radio.swap,alt.radio.scanner,rec.radio.shortave,misc.forsale
Subject: NRD-525 (Repost w/price-drop)
Message-ID: <1992Aug3.144303.14389@news.columbia.edu>

Date: 3 Aug 92 14:43:03 GMT
Sender: usenet@news.columbia.edu (The Network News)
Organization: Columbia University
Lines: 14
Nntp-Posting-Host: cunixa.cc.columbia.edu

Japan Radio NRD-525 shortwave receiver still for sale, now for $650....

0.09-34 MHz continuous tuning, RTTY, CW, USB, LSB, AM, FM, FAX. 200
memory channels, two internal clocks, both flywheel and direct access
tuning, and probably one of the best Passband filter systems on the
market. Includes optional computer interface and cabling
(retail $1,000).

```
--
Gabe Wiener - Columbia Univ.     "This 'telephone' has too many shortcomings
gmw1@cunixa.cc.columbia.edu       to be seriously considered as a means of
N2GPZ in ham radio circles        communication. The device is inherently of
72355,1226 on CI$                 no value to us." -Western Union memo, 1877
```

From -3572872724400917672
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,40e24c1776caa834
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 15ad68,40e24c1776caa834
X-Google-Attributes: gid15ad68,public
X-Google-Thread: f76e2,40e24c1776caa834
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 1109af,40e24c1776caa834
X-Google-Attributes: gid1109af,public
X-Google-Thread: 109c0d,40e24c1776caa834
X-Google-Attributes: gid109c0d,public
X-Google-Thread: 1009ad,40e24c1776caa834
X-Google-Attributes: gid1009ad,public
X-Google-ArrivalTime: 1992-08-03 05:53:12 PST
Xref: sparky rec.radio.swap:2058 rec.ham-radio:31 rec.ham-radio.swap:20 alt.radio.scanner:1496 misc.forsale:22702
Newsgroups: rec.radio.swap,rec.ham-radio,rec.ham-radio.swap,alt.radio.scanner,rec.radio.shortave,misc.forsale
Path: sparky!uunet!decwrl!csus.edu!netcomsv!mork!crisp
From: crisp@netcom.com (Richard Crisp)
Subject: Re: NRD-525 (Repost w/price-drop)
Message-ID: <n2tm=+-.crisp@netcom.com>
Date: Mon, 03 Aug 92 18:39:54 GMT
Organization: Netcom - Online Communication Services (408 241-9760 guest)
References: <1992Aug3.144303.14389@news.columbia.edu>
Lines: 22

In article <1992Aug3.144303.14389@news.columbia.edu> gmw1@cunixa.cc.columbia.edu (Gabe M Wiener) writes:
>Japan Radio NRD-525 shortwave receiver still for sale, now for $650....

```
>
>0.09-34 MHz continuous tuning, RTTY, CW, USB, LSB, AM, FM, FAX.  200
>memory channels, two internal clocks, both flywheel and direct access
>tuning, and probably one of the best Passband filter systems on the
>market. Includes optional computer interface and cabling
>(retail $1,000).
>
>


A really good price on a damn good radio, I might add.

I own an NRD525 and a 535D. THey are really fine radios....



--
Richard Crisp         Cupertino, Ca.         crisp@netcom.com
(415) 903-3832 wk    "what, me worry?"    (408) 253 4541 fax
We have four boxes used to guarantee our liberty:
The soap box, the ballot box, the jury box and the cartridge box



From -6417942725819233322
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bd3e75de0e650a1c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,bd3e75de0e650a1c,start
X-Google-Attributes: gid106d41,public
X-Google-ArrivalTime: 1992-08-20 09:10:16 PST
Xref: sparky rec.radio.cb:893 rec.ham-radio:35
Newsgroups: rec.radio.cb,rec.ham-radio
Path: sparky!uunet!stanford.edu!ames!haven.umd.edu!wam.umd.edu!adam
From: adam@wam.umd.edu (Adam L. Greenberg)
Subject: Anyone seen or heard from?
Message-ID: <1992Aug20.215743.8057@wam.umd.edu>
Followup-To: poster
Keywords: Disappeared Hello???
Sender: usenet@wam.umd.edu (USENET News system)
Nntp-Posting-Host: wam.umd.edu
Organization: Workstations at Maryland, University of Maryland, College Park
Date: Thu, 20 Aug 1992 21:57:43 GMT
Lines: 5

Anyone seen or heard from KD3FU Paul Schleck?  If you have, PLEASE
ask him to drop me a line.  I'm adam@wam.umd.edu

--Adam




From -4877071938385939561
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e0b00f601baa877,start
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X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,e0b00f601baa877,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1109af,e0b00f601baa877,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 105d97,e0b00f601baa877,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1992-08-27 08:37:56 PST
Xref: sparky sci.electronics:14928 rec.ham-radio:36 rec.radio.amateur.misc:14607 rec.radio.swap:2264
Newsgroups: sci.electronics,rec.ham-radio,rec.radio.amateur.misc,rec.radio.swap
Path: sparky!uunet!psinntp!isc-newsserver!wlw2286
From: wlw2286@ultb.isc.rit.edu (W.L. Lance)
Subject: Wanted: Source for K-Band (24.150 GHz) Transmitters
Message-ID: <1992Aug27.021247.17643@ultb.isc.rit.edu>
Followup-To: poster
Originator: wlw2286@ultb
Keywords: K-Band, Transmitters, Wanted
Sender: news@ultb.isc.rit.edu (USENET News System)
Nntp-Posting-Host: ultb-gw.isc.rit.edu
Organization: Rochester Institute of Technology
Date: Thu, 27 Aug 1992 02:12:47 GMT
Lines: 16

The title basically says it all, I need some K-Band transmitters which normally take the form of Gunn Diodes, however I am open to other suggestions. I believe that M/A-Comm is a manufactuer but I am not certain. If you have any suggestions on where to find these new, or used (like from radar guns) I would really appreciate hearing from you.

Thanks,

Lance Ware

--
****
Lance Ware   Mac and IBM Reseller
Try here first:lware@wbst845e.xerox.com | Then here:wlw2286@ultb.isc.rit.edu
                     Continually computing fractals . . .

From -4501995707351940969
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28b36454f0e1a818,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,28b36454f0e1a818,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1992-09-22 17:07:46 PST
Xref: sparky sci.electronics:16052 rec.ham-radio:37
Newsgroups: sci.electronics,rec.ham-radio
Path: sparky!uunet!spool.mu.edu!darwin.sura.net!eng.ufl.edu!news
From: george@delta.eng.ufl.edu ()

Subject: SONY Watchman channel selection problem
Message-ID: <1992Sep23.072748.14112@eng.ufl.edu>
Followup-To: sci.electronics
Originator: george@delta.ee.ufl.edu
Keywords: SONY, Watchman, TV, ATV, tuner, IC
Sender: news@eng.ufl.edu (Usenet Diskhog System)
Organization: EE Dept at UF
Date: Wed, 23 Sep 92 07:27:48 GMT
Lines: 25

Does anyone have any information on controlling the automatic station scan function in a SONY Watchman? I like to DX and the scan will only stop on a station with a strong signal.

There are only three external buttons on the unit which deal with channel selection. 1) Channel +, 2) Channel -, and 3) Ch Call (which just puts a marker on the screen to show you what channel you are on when you aren't scanning). I've tried pushing every combination.

I imagine this is something that the designers didn't expect the average viewer to want, but it would be simple enough to have the Ch Call button interrupt the scan. Or allow a fine-tuning mode with the + and - buttons while Ch Call button is depressed.

It would also allow me to lock on to stations in the ATV band, as the unit scans across them during power up on the UHF band. The ATV stations come in clearly, but apparently the unit is not allowed to lock on 'out-of band' signals.

So how about it? Any SONY engineers out there?

Please reply via direct email to george@alpha.ee.ufl.edu as our newsfeed is programmed to drop anything of importance.

Thank you

From 2318669746329912146
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7784f66b03bd25ea,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc3d0,7784f66b03bd25ea,start
X-Google-Attributes: gidfc3d0,public
X-Google-Thread: 105d97,7784f66b03bd25ea,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1992-10-09 12:36:12 PST
Xref: sparky ont.general:1848 sci.electronics:16844 rec.ham-radio:38
Newsgroups: ont.general,sci.electronics,rec.ham-radio
Path: sparky!uunet!utcsri!torn!watserv2.uwaterloo.ca!watserv1!mks.com!u36!sp
From: sp@u36.kwnet.on.ca (Sean P Goggin)
Subject: Printed Circuit Boards, Maker Wanted.
Organization: U36 Research
Date: Fri, 9 Oct 1992 04:00:40 GMT

```
Message-ID: <Bvu5tJ.Fpx@u36.kwnet.on.ca>
Distribution: ont
Lines: 15

I'm looking for someone to make a small quantity of
printed circuit boards of professional quality.( < 10 )

Size is 7.5 x 13 cm G10 1.5 mm thick, double sided.

Any leads would be welcomed.

Thanks,

     Sean.

Sean P. Goggin
251, Bridge Street West, Waterloo, Ontario, Canada N2K 1L1
Voice +1 519 746 7535 Fax +1 519 747 2933
email sp@bbi.kwnet.on.ca;sp@u36.uucp        N 43 29' 30" W 80 30' 15"


From 6512758676566035291
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7784f66b03bd25ea
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc3d0,7784f66b03bd25ea
X-Google-Attributes: gidfc3d0,public
X-Google-Thread: 105d97,7784f66b03bd25ea
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1992-10-12 13:36:52 PST
Xref: sparky ont.general:1853 sci.electronics:17023 rec.ham-radio:39
Path: sparky!uunet!ogicse!uwm.edu!zaphod.mps.ohio-state.edu!rpi!
newsserver.pixel.kodak.com!psinntp!arrl.org
From: ehare@arrl.org (Ed Hare - KA1CV)
Newsgroups: ont.general,sci.electronics,rec.ham-radio
Subject: Re: Printed Circuit Boards, Maker Wanted.
Message-ID: <617@arrl.org>
Date: 12 Oct 92 13:53:41 GMT
Article-I.D.: arrl.617
Organization: American Radio Relay League
Lines: 100

In rec.radio.amateur.misc, sp@u36.kwnet.on.ca (Sean P Goggin) writes:

>I'm looking for someone to make a small quantity of
>printed circuit boards of professional quality.( < 10 )

>Size is 7.5 x 13 cm G10 1.5 mm thick, double sided.

From the ARRL Technical Department files:
Printed-Circuit Board Manufacturers - Custom and Supplies

If anyone knows of any other suppliers of inexpensive custom prototype
```

printed-circuit boards or small-quantity printed-circuit board supplies, please send the information by postal mail to:

ARRL Technical Information Archives
225 Main St
Newington CT 06111

or email to <internet> ehare@arrl.org

Thanks, and 73 from ARRL HQ, Ed.

A&A Engineering
2521 W La Palma Ave Unit K
Anaheim CA 92801
714-952-2114

PC boards and kits for many QST projects

Atlas Circuits Company
P.O. Box 892
Lincolnton, N.C 28092
704-735-3943

Last known prices: $0.78 per square inch, $0.01 per hole, $7.50 to make film from 1X or 2X artwork. No plated thru holes, no silkscreen, no solder mask, no inspection, 15-mil spacing design rules. $10.00 minimum.

I have had them do up to small production runs, and the delivery is excellent. They take 2X or 4X (1X with no guarantees) camera-ready artwork (plotter, laser printer with GOOD toner, etc.).

The boards come back sheared and tin-plated. 10 mil traces appear to survive their process, although only 15 mil is guaranteed. Ask for their order sheet, which has instructions on it.

Express Circuits
314 Cothren St
POB 58
Wilkesboro NC 28697
800 426-5396

The can take output from Tango, Protel, SMartwork, HIwire, EE Designer and Gerber.

Far Circuits
18N640 Field Ct
Dundee IL 60118
no telephone

They will make printed-circuit boards for any League publication project artwork.

```
---------------------------------------------------------------------------
Midland Technologies
34374 E Frontage Rd
Bozeman MT 59715
406-586-1190
---------------------------------------------------------------------------
PCB Kits
750 Mariday
Lake Orion, MI 48362
313-693-0328

PC-board supplies. Some of their prices, from a recent sheet:

Complete kit--everything, $29.95.
6 X 6 X 1/32 single-sided pre-sensitized, $3.48
...double-sided, $5.16

A great advantage of these guys is their boards use a
_positive_ photoresist, meaning you can just Xerox a
pattern onto a transparency and go!
---------------------------------------------------------------------------

73 from ARRL HQ, Ed


-----
Ed Hare, KA1CV                  ehare@arrl.org
American Radio Relay League
225 Main St.
Newington, CT  06111            There is no limit to what you can
(203) 666-1541 - voice          accomplish if you don't care who
ARRL Laboratory Supervisor      gets the credit. - Harry S Truman
RFI, xmtr and rcvr testing
-----


From 6983185855800425753
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7784f66b03bd25ea
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc3d0,7784f66b03bd25ea
X-Google-Attributes: gidfc3d0,public
X-Google-Thread: 105d97,7784f66b03bd25ea
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1992-10-14 06:37:18 PST
Xref: sparky ont.general:1861 sci.electronics:17137 rec.ham-radio:40
Newsgroups: ont.general,sci.electronics,rec.ham-radio
Path: sparky!uunet!utcsri!torn!cunews!csi.uottawa.ca!news
From: dominic@skaro.genie.uottawa.ca (Dominic Richens)
Subject: Re: Printed Circuit Boards, Maker Wanted.
Message-ID: <1992Oct14.175507.2012@csi.uottawa.ca>
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```
Originator: dominic@shamin.genie.uottawa.ca
Sender: news@csi.uottawa.ca
Nntp-Posting-Host: skaro.genie.uottawa.ca
Reply-To: dominic@shamin.genie.uottawa.ca
Organization: MCRLab - University of Ottawa
References:  <617@arrl.org>
Date: Wed, 14 Oct 92 17:55:07 GMT
Lines: 26


In rec.radio.amateur.misc, sp@u36.kwnet.on.ca (Sean P Goggin) writes:

>I'm looking for someone to make a small quantity of
>printed circuit boards of professional quality.( < 10 )

>Size is 7.5 x 13 cm G10 1.5 mm thick, double sided.

In Ottawa, we get ours done at:

Brock Circuits Inc.
101 Schneider Rd,
Kanata ON,
K2K 1Y3 (613) 591-7321

We supply them with the masks (printouts) from an epson printer, as produced
by some PCB layout software, and they make the double sided board.  Pretty
cheap too, about 30$/board in quantities of one (15x30cm).

dominic

--
!@$^&*)($#$@!@#$^&*()_+_)(*&^$#@!$^&*()_+)(*&^$#@$^&*+_(*&^$#@#^&*()&*$#@(*&+_$!
 Dominic Richens  :  dominic@shamin.genie.uottawa.ca  :  Tel. (613) 564 9911
      MCRLab, Dept of Elec Eng, University of Ottawa, K1N 6N5, CANADA
"You construct intricate rituals which allow you to touch the skin of other men"


From -7391809604245626916
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f3818fd04dbae4d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,6f3818fd04dbae4d,start
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1992-10-15 18:30:42 PST
Xref: sparky rec.ham-radio:41 rec.radio.amateur.misc:17108
Path: sparky!uunet!portal!lll-winken!sun-barr!news2me.EBay.Sun.COM!
west.West.Sun.COM!cronkite.Central.Sun.COM!texsun!exucom.exu.ericsson.se!
noah.ericsson.se!lmcansi
From: lmcansi@noah.ericsson.se (Andrew Silver)
Newsgroups: rec.ham-radio,rec.radio.amateur.misc
Subject: McGill University (ARCMU)!
Message-ID: <1992Oct15.222226.908@exu.ericsson.se>
Date: 15 Oct 92 22:22:26 GMT
```

Sender: news@exu.ericsson.se
Organization: Ericsson Communications Inc. Montreal, Canada
Lines: 36
Nntp-Posting-Host: 142.133.2.39
X-Disclaimer: This article was posted by a user at Ericsson.
The opinions expressed are strictly those of the
user and not necessarily those of Ericsson.

****
* ANNOUNCEMENT *
****

This message is to announce the resurrection of North America's oldest university amateur radio club, namely

ARCMU   Amateur Radio Club of McGill University
Call VE2UN

located in Montreal, Quebec, Canada!
Yes, we're very proud to announce that we're back!

In support, MARC (Montreal Amateur Radio Club) has joined forces with ARCMU in putting up a 2m repeater.

The repeater is the original VE2BG station and is now located on top of Burnside Hall at the corner of University and Sherbrooke streets. It has an effective output of 25 Watts.

All previous members as well as all amateurs are welcome to join! Previous members are encouraged to make yourself known as we're trying to re-establish lost contacts.

If you have ANY questions, feel free to mail me at

silver@ee470.ee.mcgill.ca   or
lmcansi@noah.ericsson.se

Thanx, and 73's!

Quicksilver! VE2HHS

From 5298634871865342933
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,70b700fca7622bb2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,70b700fca7622bb2,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 106d41,70b700fca7622bb2,start

```
X-Google-Attributes: gid106d41,public
X-Google-ArrivalTime: 1992-10-21 03:51:28 PST
Xref: sparky rec.ham-radio:42 rec.radio.cb:1272 rec.radio.amateur.misc:17533
Newsgroups: rec.ham-radio,rec.radio.cb,rec.radio.amateur.misc
Path: sparky!uunet!rosevax!bunsen!craig
From: craig@bunsen.rosemount.com (Craig Taylor)
Subject: Russian needs to know if US CB allowed into Russia
Message-ID: <1992Oct22.135239.11166@rosevax.rosemount.com>
Sender: news@rosevax.rosemount.com (USENET News administrator)
Nntp-Posting-Host: bunsen
Organization: Rosemount, Inc.
Date: Thu, 22 Oct 1992 13:52:39 GMT
Lines: 23
```

Someone is visiting from Russia for 1 week and her husband
asked her to try to buy a pair of walkie talkies. I hate to
see her waste money as everything is so expensive here.

Please excuse the corss posting as I do not read these
newsgroups normally. Follow ups to rec.radio.amateur.misc
please.

1)Are the walkie talkie CB frequencies legal in Russia?
2)Would walkie talies be confiscated if she tried to
bring them in?

Question #2 is much more important than #1 as everything
may be illegal in Russia, just a step ahead of the US. ;-)

I'm just trying to so someone a favor.

--
Craig F. Taylor
craig@rosemount.com
Work (612) 895-2254
Home (612) 454-4994

```
From 5800211556675308524
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f37f45bff45621d5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f92d0,f37f45bff45621d5,start
X-Google-Attributes: gidf92d0,public
X-Google-ArrivalTime: 1992-10-22 13:32:30 PST
Xref: sparky soc.culture.celtic:6998 rec.ham-radio:43
Newsgroups: soc.culture.celtic,rec.ham-radio
Path: sparky!uunet!pmafire!mica.inel.gov!ux1!news.byu.edu!hamblin.math.byu.edu!
sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!darwin.sura.net!haven.umd.edu!
decuac!pa.dec.com!rdg.dec.com!edieng.enet.dec.com!cockburn
From: cockburn@edieng.enet.dec.com (Craig Cockburn)
Subject: Seeking Scottish Gaelic speakers on Ham Radio
```

Message-ID: <1992Oct22.182008.5751@rdg.dec.com>
Sender: news@rdg.dec.com (Mr News)
Organization: Digital Equipment Co. Ltd., Reading, England
Date: Thu, 22 Oct 1992 18:16:23 GMT
Lines: 38

Please reply to RSHANEY%PV@HOBBES.CCA.CR.ROCKWELL.COM
thanks
Craig

------- Forwarded mail received on 22-Oct-1992 at 17:26:57 -------

From: VBORMC::"GAELIC-L%IRLEARN.bitnet@HEARN.nic.SURFnet.nl" "GAELIC Language Bulletin Board"
To: Multiple Recipients of <GAELIC-L%IRLEARN.bitnet@HEARN.nic.SURFnet.nl>

Hello.

I'm trying to learn Scottish Gaelic, but I have no one to speak it to
me. Ergo, I have no idea how it's supposed to sound.

Fortunately, I have a ham radio license. If there's anyone out there
who speaks the language who can meet me on the air sometime, let me know.

Scott (really. You should here the story of how I got that name.)

% ====== Internet headers and postmarks (see DECWRL::GATEWAY.DOC) ======
% Received: by vbormc.vbo.dec.com; id AA15431; Thu, 22 Oct 92 17:22:01 +0100
% Received: by crl.dec.com; id AA25485; Thu, 22 Oct 92 12:26:25 -0400
% Message-Id: <9210221626.AA25485@crl.dec.com>
% Received: from HEARN.BITNET by HEARN.nic.SURFnet.nl (IBM VM SMTP V2R2) with BSMTP id 0816; Thu, 22 Oct 92 17:21:59 CET
% Received: from HEARN by HEARN.BITNET (Mailer R2.08 PTF008) with BSMTP id 0813; Thu, 22 Oct 92 17:21:54 CET
% Date: Thu, 22 Oct 92 11:17:00 CDT
% Reply-To: GAELIC Language Bulletin Board <GAELIC-L%IRLEARN.bitnet@HEARN.nic.SURFnet.nl>
% Sender: GAELIC Language Bulletin Board <GAELIC-L%IRLEARN.bitnet@HEARN.nic.SURFnet.nl>
% From: EarthSteward <RSHANEY%PV@HOBBES.CCA.CR.ROCKWELL.COM>
% X-To: GAELIC-L%IRLEARN.bitnet@HEARN.nic.SURFnet.nl
% To: Multiple Recipients of <GAELIC-L%IRLEARN.bitnet@HEARN.nic.SURFnet.nl>

Craig Cockburn, Digital Equipment Co. Ltd, Reading, England. Suas
Internet: cockburn@edieng.enet.dec.com leis
UUCP:..!decwrl!edieng.enet.dec.com!cockburn a'
Gha\idhlig!
Views here are my own, and are not necessarily those of Digital

From 1294244635418720837
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,cb1721ad200681ab,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106d41,cb1721ad200681ab,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 107ada,cb1721ad200681ab,start
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1992-10-26 12:12:14 PST
Xref: sparky rec.ham-radio:45 rec.radio.cb:1289 rec.radio.amateur.misc:17800
Newsgroups: rec.ham-radio,rec.radio.cb,rec.radio.amateur.misc
Path: sparky!uunet!charon.amdahl.com!pacbell.com!iggy.GW.Vitalink.COM!
cs.widener.edu!eff!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!swrinde!
news.dell.com!natinst.com!cs.utexas.edu!sdd.hp.com!scd.hp.com!hpscdm!
cupnews0.cup.hp.com!news1.boi.hp.com!hp-pcd!hpcvaac!billn
From: billn@hpcvaac.cv.hp.com (bill nelson)
Subject: Re: Russian needs to know if US CB allowed into Russia
Message-ID: <1992Oct26.234610.1860@hpcvaac.cv.hp.com>
Organization: Hewlett-Packard Company, Corvallis, Oregon USA
References: <17438@ksr.com>
Date: Mon, 26 Oct 1992 23:46:10 GMT
Lines: 19

jfw@ksr.com (John F. Woods) writes:
:
: I don't have a direct answer to either question, but the probability that
: US CB walkie-talkies would be legal to operate in Russia is vanishingly small.
: Most countries (in the West, anyway) insist that CB-style radios operated in
: their countries be certified by their country's radio administration (FCC in
: the US, DOC (?) in Canada, etc); in particular, a US CB radio may not be
: legally operated in Canada, nor vice versa, despite the fact that the only
: "component" which is different between two models may be the certification
: sticker on the back.

The US and Canada have reciprocal licensing. That means that a US citizen
may operate his US made gear in Canada without any problems. The same is
true for a Canadian citizen visiting the US.

It may be illegal for a Canadian to use a US made radio that has not been
certified in Canada.

Bill

From -265383051878031948
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,58cc42c5ded27487,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,58cc42c5ded27487,start
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1992-10-27 13:43:36 PST
Xref: sparky rec.radio.amateur.misc:17864 rec.ham-radio:46
Path: sparky!uunet!charon.amdahl.com!pacbell.com!ames!sun-barr!
news2me.EBay.Sun.COM!cronkite.Central.Sun.COM!texsun!exucom.exu.ericsson.se!
noah.ericsson.se!lmcansi

```
From: lmcansi@noah.ericsson.se (Andrew Silver)
Newsgroups: rec.radio.amateur.misc,rec.ham-radio
Subject: Woops!
Message-ID: <1992Oct27.224013.28022@exu.ericsson.se>
Date: 27 Oct 92 22:40:13 GMT
Sender: news@exu.ericsson.se
Organization: Ericsson Communications Inc. Montreal, Canada
Lines: 29
Nntp-Posting-Host: 142.133.2.39
X-Disclaimer: This article was posted by a user at Ericsson.
              Any opinions expressed are strictly those of the
              user and not necessarily those of Ericsson.
```

WOOPS!

In relation to the message that I posted last week concerning ARCMU (Amateur Radio Club of McGill University) being back on the air, I made a mistake - and please don't shoot me, as I was under the impression that I was right at the time.

In that letter I said that ARCMU was North America's oldest University Amateur radio station - or something like that. Anyways, ARCMU is Canada's oldest university amateur radio station, not North America's. So see if y'all can forgive me.

I found out by checking in the 1972-73 student handbook, so once again, I apologize for the mistake. But hey, we're back in action!

Our next meeting is Wed. Nov. 4 at 7pm in MCRCIM (McGill Research Centre for Intelligent Machines, located in McConnell Engineering Building) room 437. ALL are welcome! We'll also have a tour of the VE2BG repeater, located on Burnside Hall.

Cheers and 73's!

Quicksilver!
VE2HHS

```
From 2996741808191079527
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,58cc42c5ded27487
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,58cc42c5ded27487
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1992-10-27 14:24:52 PST
Xref: sparky rec.radio.amateur.misc:17867 rec.ham-radio:47
Newsgroups: rec.radio.amateur.misc,rec.ham-radio
```

```
Path: sparky!uunet!think.com!sdd.hp.com!zaphod.mps.ohio-state.edu!moe.ksu.ksu.edu!
engr.uark.edu!pcl
From: pcl@engr.uark.edu (Peter Laws)
Subject: Re: Woops!
Message-ID: <1992Oct28.035839.26229@engr.uark.edu>
Sender: netnews@engr.uark.edu (NetNews Administrator)
Nntp-Posting-Host: engr.uark.edu
Organization: University of Arkansas
References: <1992Oct27.224013.28022@exu.ericsson.se>
Date: Wed, 28 Oct 1992 03:58:39 GMT
Lines: 18

lmcansi@noah.ericsson.se (Andrew Silver) writes:
>
>In that letter I said that ARCMU was North America's oldest
>University Amateur radio station - or something like that.
>Anyways, ARCMU is Canada's oldest university amateur radio
>station, not North America's.  So see if y'all can forgive
>me.
So.  How old is it?  Our's (ARCUA [University of Arkansas,
Fayetteville] - W5YM) goes back to the '40s and the station license
goes back to 1920 (5YM)...

73,
Peter Laws N5UWY, Pres. ARCUA
(Pierrefonds native)

Peter Laws              |"The '90s are gonna make the '60s|   pcl@engr.uark.edu
n5uwy@ka5bml.ar.usa.noam| look like the '50s"--D. Hopper  |plaws@uafsysb.bitnet
```

```
From 3302738827045778047
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7784f66b03bd25ea
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc3d0,7784f66b03bd25ea
X-Google-Attributes: gidfc3d0,public
X-Google-Thread: 105d97,7784f66b03bd25ea
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1992-10-28 07:38:44 PST
Xref: sparky ont.general:1946 sci.electronics:17874 rec.ham-radio:49
Newsgroups: ont.general,sci.electronics,rec.ham-radio
Path: sparky!uunet!shearson.com!newshost!jbore
From: jbore@cosmos.shearson.com (Joe Bore)
Subject: Re: Printed Circuit Boards, Maker Wanted.
In-Reply-To: dominic@skaro.genie.uottawa.ca's message of Wed, 14 Oct 92 17:55:07
GMT
Message-ID: <JBORE.92Oct28114909@cosmos.shearson.com>
Sender: news@shearson.com (News)
Organization: Lehman Brothers
References: <617@arrl.org> <1992Oct14.175507.2012@csi.uottawa.ca>
Date: Wed, 28 Oct 1992 15:49:06 GMT
```

Lines: 59

ok, here is my question, i had a prototype board made for me from some software that i was using. ps the software is supercad ($99 for the pc and for hobbyist/semi-professional it's REALLY good!) but when i got the board i realized i couldnt solder ic plugs (and other various components) to the board because for a prototype they dont plate through the holes (or via's) so therefore when i stuck the socket on, i could solder the back side but not the top because it was right against the board. and you need to solder both sides other wise the coneection just isnt made.

What is the usual method for soldering on both sides of the board for components like these on prototype pc boards???

In article <1992Oct14.175507.2012@csi.uottawa.ca> dominic@skaro.genie.uottawa.ca (Dominic Richens) writes:

Xref: shearson.com sci.electronics:26179 rec.ham-radio:31244
Newsgroups: ont.general,sci.electronics,rec.ham-radio
Path: shearson.com!uunet!uunet!utcsri!torn!cunews!csi.uottawa.ca!news
From: dominic@skaro.genie.uottawa.ca (Dominic Richens)
Originator: dominic@shamin.genie.uottawa.ca
Sender: news@csi.uottawa.ca
Nntp-Posting-Host: skaro.genie.uottawa.ca
Reply-To: dominic@shamin.genie.uottawa.ca
Organization: MCRLab - University of Ottawa
References: <617@arrl.org>
Date: Wed, 14 Oct 92 17:55:07 GMT
Lines: 26

In rec.radio.amateur.misc, sp@u36.kwnet.on.ca (Sean P Goggin) writes:

>I'm looking for someone to make a small quantity of
>printed circuit boards of professional quality.(< 10)

>Size is 7.5 x 13 cm G10 1.5 mm thick, double sided.

In Ottawa, we get ours done at:

Brock Circuits Inc.
101 Schneider Rd,
Kanata ON,
K2K 1Y3 (613) 591-7321

We supply them with the masks (printouts) from an epson printer, as produced by some PCB layout software, and they make the double sided board. Pretty cheap too, about 30$/board in quantities of one (15x30cm).

dominic

--

!@$^&*)($#$@!@#$^&*()_+_)(*&^$#@!$^&*()_+)
(*&^$#@$^&*+_(*&^$#@#^&*()&*$#@(*&+_$!
Dominic Richens : dominic@shamin.genie.uottawa.ca : Tel. (613) 564 9911
MCRLab, Dept of Elec Eng, University of Ottawa, K1N 6N5, CANADA
"You construct intricate rituals which allow you to touch the skin of other men"
--
```
-------------------------------------------------------------------------------
Joe Bore                          |            LEHMAN
jbore@shearson.com | ...!uunet!shearson.com!jbore  |          BROTHERS
(212)464-3431, Beeper:  (212)396-4248          |          --------
```

From -4923109020827085305
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,58cc42c5ded27487
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,58cc42c5ded27487
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1992-10-28 12:18:02 PST
Xref: sparky rec.radio.amateur.misc:17939 rec.ham-radio:51
Newsgroups: rec.radio.amateur.misc,rec.ham-radio
Path: sparky!uunet!charon.amdahl.com!pacbell.com!iggy.GW.Vitalink.COM!cs.widener.edu!ukma!darwin.sura.net!zaphod.mps.ohio-state.edu!moe.ksu.ksu.edu!engr.uark.edu!pcl
From: pcl@engr.uark.edu (Peter Laws)
Subject: Re: Woops!
Message-ID: <1992Oct28.232911.10784@engr.uark.edu>
Sender: netnews@engr.uark.edu (NetNews Administrator)
Nntp-Posting-Host: engr.uark.edu
Organization: University of Arkansas
References: <1992Oct27.224013.28022@exu.ericsson.se> <1992Oct28.035839.26229@engr.uark.edu> <Bwu3tw.xK@cs.psu.edu>
Date: Wed, 28 Oct 1992 23:29:11 GMT
Lines: 14

sibley@math.psu.edu (David Sibley) writes:

>Gee, that's not so old :) The club station here at Penn State goes
>back to December 1909. That's before there was any licensing. It was
>licensed in 1912 as 8XE, and has had several different calls since
Neat!

We haven't been able to trace it back any further than that, but we do references to a club as early as 1913 and wireless telegraphy experimentation as early as1898 or so, but alas, no paper trail...

Peter Laws N5UWY

```
Peter Laws              |"The '90s are gonna make the '60s|   pcl@engr.uark.edu
n5uwy@ka5bml.ar.usa.noam| look like the '50s"--D. Hopper  |plaws@uafsysb.bitnet
```

```
From -7363667053667267122
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b30e9ceea39269d2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,b30e9ceea39269d2,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,b30e9ceea39269d2,start
X-Google-Attributes: gid10bf43,public
X-Google-ArrivalTime: 1992-10-30 14:43:16 PST
Xref: sparky rec.ham-radio:52 rec.radio.amateur.misc:18079
rec.radio.amateur.policy:1826
Path: sparky!uunet!think.com!yale.edu!spool.mu.edu!studsys.mscs.mu.edu!jason
From: jason@studsys.mscs.mu.edu (Jason Hanson)
Newsgroups: rec.ham-radio,rec.radio.amateur.misc,rec.radio.amateur.policy
Subject: HR73 etc.
Date: 31 Oct 1992 03:38:11 GMT
Organization: Marquette University - Department MSCS
Lines: 11
Distribution: world
Message-ID: <1csv33INNg65@spool.mu.edu>
Reply-To: jason@studsys.mscs.mu.edu (Jason Hanson)
NNTP-Posting-Host: studsys.mscs.mu.edu
Originator: jason@studsys.mscs.mu.edu

Can someone post complete info on HR73 and companions?  I mean like, a text of
it, and Congresscritters that have backed it, etc.  I would like to start a
letter writing drive and need the info.  If you are getting this in
r.r.a.policy, I don't usually read the group, so use email please!

Thanks...
--
Jason Hanson         |   915 W. Wisconsin Ave #1010   |     (414) 288-2179
Marquette University |   Milwaukee, WI 53233-2373     |     Ham Radio: N9LEA
--  jason@studsys.mscs.mu.edu       ==+==       n9lea@n0ary.#nocal.ca.usa.na  --



From 6202434295859072978
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7784f66b03bd25ea
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fc3d0,7784f66b03bd25ea
X-Google-Attributes: gidfc3d0,public
X-Google-Thread: 105d97,7784f66b03bd25ea
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1992-10-31 05:12:24 PST
Xref: sparky ont.general:1969 sci.electronics:18084 rec.ham-radio:55
Newsgroups: ont.general,sci.electronics,rec.ham-radio
Path: sparky!uunet!decwrl!netcomsv!netcom.com!nagle
From: nagle@netcom.com (John Nagle)
Subject: Re: Printed Circuit Boards, Maker Wanted.
Message-ID: <1992Oct31.175511.11674@netcom.com>
```

Organization: Netcom - Online Communication Services (408 241-9760 guest)
References: <617@arrl.org> <1992Oct14.175507.2012@csi.uottawa.ca>
     <JBORE.92Oct28114909@cosmos.shearson.com>
<C2K.92Oct28173742@ham.slc.mentorg.com>
Date: Sat, 31 Oct 1992 17:55:11 GMT
Lines: 27

In article <JBORE.92Oct28114909@cosmos.shearson.com> jbore@cosmos.shearson.com
(Joe Bore) writes:

>   software that i was using. ps the software is supercad ($99 for the
>   pc and for hobbyist/semi-professional it's REALLY good!) but when i
>   got the board i realized i couldnt solder ic plugs (and other various
>   components) to the board because for a prototype they dont plate
>   through the holes (or via's) so therefore when i stuck the socket on,
>   i could solder the back side but not the top because it was right
>   against the board. and you need to solder both sides other wise the
>   coneection just isnt made.
>   What is the usual method for soldering on both sides of the board for
>   components like these on prototype pc boards???

Usually, you avoid designing boards which require soldering to inaccessable pins. Most wiring has to go on the back of the board, with occasional traces on the component side as jumpers. Through-board connections can be made with rivets (Weller just came out with a little kit for doing something like this) or with small bent wires. You may have to allow more board space ("real estate") for the wiring with this approach; it's not the way to do dense boards.

If your boards are too complicated for that approach, it's probably time to go to boards with plated-through holes, even though it's substantially more expensive. All serious work today is done with plated-through holes.

John Nagle

From 1576168064346394292
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f1bf93564e9aaf05,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,f1bf93564e9aaf05,start
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1992-10-31 05:24:02 PST
Xref: sparky rec.ham-radio:54 rec.radio.amateur.misc:18108
Path: sparky!uunet!spool.mu.edu!studsys.mscs.mu.edu!jason
From: jason@studsys.mscs.mu.edu (Jason Hanson)
Newsgroups: rec.ham-radio,rec.radio.amateur.misc
Subject: 13 WPM test et. al
Date: 31 Oct 1992 18:18:27 GMT
Organization: Marquette University - Department MSCS
Lines: 15
Distribution: world

Message-ID: <1cuiljINN95e@spool.mu.edu>
Reply-To: jason@studsys.mscs.mu.edu (Jason Hanson)
NNTP-Posting-Host: studsys.mscs.mu.edu
Originator: jason@studsys.mscs.mu.edu

Awhile back, I posted with questions about the General code test. Thanks to all who responded. One gentleman even suggested that I attempt the Extra Code first. I took his suggestion and missed it by only one question; thus I recommend this strategy to anyone. I did pass the General code fine though, in fact it would have been a perfect paper but I put the answers to questions #1 and #2 in #1's blank.

Thanks again... Now, off to study for Advanced next Sunday. Oh, and another question. If I am going to take a test before I receive my new license, do I just bring ALL the CSCE's and stuff?

```
--
Jason Hanson         |   915 W. Wisconsin Ave #1010   |     (414) 288-2179
Marquette University |   Milwaukee, WI 53233-2373     |     Ham Radio: N9LEA/AG
--  jason@studsys.mscs.mu.edu       ==+==       n9lea@n0ary.#nocal.ca.usa.na  --
```

From 2768610547458360475
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4dba600350174b6c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,4dba600350174b6c,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 1109af,4dba600350174b6c,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: f76e2,4dba600350174b6c,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 105207,4dba600350174b6c,start
X-Google-Attributes: gid105207,public
X-Google-ArrivalTime: 1992-11-03 09:13:40 PST
Xref: sparky alt.radio.pirate:571 rec.ham-radio:57 rec.ham-radio.swap:33 rec.radio.shortwave:7864 rec.radio.swap:2942
Path: sparky!uunet!ogicse!sequent!muncher.sequent.com!tmajni
From: tmajni@sequent.com (Tim Majni)
Newsgroups: alt.radio.pirate,rec.ham-radio,rec.ham-radio.swap,rec.radio.shortwave,rec.radio.swap
Subject: Need docs for Hicock 6000
Message-ID: <1992Nov3.234400.836@sequent.com>
Date: 3 Nov 92 23:44:00 GMT
Article-I.D.: sequent.1992Nov3.234400.836
Sender: usenet@sequent.com (usenet)
Organization: Sequent Computer Systems Inc.
Lines: 6
Nntp-Posting-Host: time1.sequent.com

I have a Hicock 6000 in great physical condition. I need to find documentation on this guy. Can anyone out there give ma a helping hand?

Tim Majni

From 4636601275327896727
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5319faaca9376c7d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 101376,5319faaca9376c7d,start
X-Google-Attributes: gid101376,public
X-Google-ArrivalTime: 1992-11-04 06:31:40 PST
Xref: sparky misc.emerg-services:4215 rec.ham-radio:58
Newsgroups: misc.emerg-services,rec.ham-radio
Path: sparky!uunet!iadpsa!news.iastate.edu!destroyer!caen!sdd.hp.com!
cs.utexas.edu!sun-barr!ames!decwrl!decwrl!netcomsv!attain!icd.teradyne.com!news
From: ardai@zax.eda.teradyne.com (Michael Ardai)
Subject: Re: ARES/RACES Winter Emergency Class
Message-ID: <1992Nov4.201233.9725@icd.teradyne.com>
Sender: news@icd.teradyne.com (News admin)
Organization: Teradyne, Inc. Boston MA
References: <Bx4Hzu.7zo@ais.org>
Date: Wed, 4 Nov 1992 20:12:33 GMT
Lines: 61

In article <Bx4Hzu.7zo@ais.org> tim@ais.org (Tim Tyler) writes:
-    One of the main uses for ham volunteers in such a scenario would be as
-communications liason at emergency shelters such as schools.
-
-   My topic of discussion will be Shelter Communications, & I'm soliciting
-advice on what all to cover.

While I haven't worked severe weather nets, I have handled public service communications for various events here around Boston. This is a list of suggestions off the top of my head.

Spare batteries and a charger. Bring a pack that handles alkaline batteries, since you can often get them in a pinch. 2.5-5AH gel cells work nicely. Car batteries aren't so good - marine/RV ones are better. Watch out for hydrogen generation while charging them, and insulate the terminals. Don't use gasoline generators indoors...

AC power supply, sufficient extension cord, power strip - save the batteries for when the power fails.

Standardise power connectors on everyone's rigs and have sufficient adapters. This way, you can easily plug any rig into any supply. The ARRL recommends the 2-pin molex connectors that Radio Shack sells. Cinch Jones or Anderson Power Pole connectors are also good choices. Make sure everyone agrees on polarity!!

A flashlight with spare batteries - Check the batteries every few months so you don't get caught with dead ones

Coax (50' of RG58 is about right) with adapters for BNC and PL259.

A magmount or clipon antenna, or maybe one of those coat-hanger quarter
wave groundplanes

Headphones, possibly an external speaker, spare radio, regular FM (3 meter)
radio, possibly a scanner, especially one that can get NOAA weather

Paper, pens, radiogram forms

Water, granola bars, etc. Often there isn't much food available, so it is
better to have your own.

Appropriate clothing (layers, warm enough to go out and fiddle with the
antennas)

If you have regular shelters, many of these items can be stored on site.
If you have permanently mounted antennas, keep a spare on hand just in case
the weather kills it.

Have a pre-announced frequency where people can find the net, and have
the net control call for checkins. This way, the hams can know where to
look to see if they are needed. Also, have occaisional dry runs so you can
find out any problems before the emergency hits :-)

Hope this helps.
/mike

```
--
\|/  Michael L. Ardai  N1IST   Teradyne EDA
--- -----------------------------------------------------------------------
/|\  ardai@maven.dnet.teradyne.com
```

```
From 913901325201197645
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5319faaca9376c7d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 101376,5319faaca9376c7d
X-Google-Attributes: gid101376,public
X-Google-ArrivalTime: 1992-11-05 02:31:54 PST
Xref: sparky misc.emerg-services:4248 rec.ham-radio:59
Path: sparky!uunet!ogicse!decwrl!ames!titan.ksc.nasa.gov!titan.ksc.nasa.gov!news
From: steve@vulture.ksc.nasa.gov (Steve Schindler)
Newsgroups: misc.emerg-services,rec.ham-radio
Subject: Re: ARES/RACES Winter Emergency Class
Message-ID: <1992Nov5.105118.4013@titan.ksc.nasa.gov>
Date: 5 Nov 92 15:51:17 GMT
Article-I.D.: titan.1992Nov5.105118.4013
References: <Bx4Hzu.7zo@ais.org>
Organization: Voice Systems Branch, NASA - Kennedy Space Center
Lines: 72
```

Nntp-Posting-Host: vulture.ksc.nasa.gov

Here are some items from our RACES checklist, plus a few more as a result of lessons learned from Hurricane Andrew. Obviously, a lot of this stuff is geared to a warm weather climate, but there may be others on the net who live in warmer areas.

Please feel free to add to the list.

Radio Equipment:
Two meter HT with extra bateries, ac adapter, charger, microphone
Adapters for various power sources- cigarette ligter, locally agreed upon standard connector, etc.
External antenna- ground plane, small beam
Extra coax cable
Antenna mast- wood, pvc
110 volt extension cord and 2 prong to 3 prong adapter
110 volt to 12 volt DC power supply
spare fuses
RF adapters- BNC to UHF, etc.
110 volt generator and extra gas

Operating and Personal Supplies
Tools
Officail identification
Cash, credit cards
Portable broadcast receiver and extra batteries
Toilet articles- shaver, toothbrush, toothpaste, soap, feminine products, toilet paper, etc
Rain gear
Flashlight
Matches/lighter
Tarp or plastic sheeting
Rope
Insect repellent
Medications- perscription and OTC
Local maps
Clipboard or notebook
Folding table
Portable television
Camera
Sleeping bag and a sheet and/or blanket, pillow
Earplugs
Sunglasses
Sunscreen
Hat
Change(s) of clothes
Gloves
Towels
First aid kit
List of important phone numbers
Pens and/or pencils
Folding chair

Potable water
Food
Eating utensils
Can opener

If you are going to be operating from a shelter or a widespread disaster area and you won't be able to go to "civilization" to sleep and eat, prepare to live in a shelter.

More information is available in the RACES archive on ucsd.edu in the hamradio/races directory.

Steve
Brevard County RACES

```
--
-------------------------------------------------------------------------
Steve Schindler                     steve@vulture.ksc.nasa.gov
Voice Systems Branch                steve@testeng.ksc.nasa.gov
NASA - Kennedy Space Center
```

From -386658778908337927
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c83863c62a651b6c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,c83863c62a651b6c,start
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1992-11-09 07:25:08 PST
Xref: sparky rec.ham-radio:61 rec.radio.amateur.misc:18465
Newsgroups: rec.ham-radio,rec.radio.amateur.misc
Path: sparky!uunet!pmafire!news.dell.com!natinst.com!cs.utexas.edu!sdd.hp.com!spool.mu.edu!darwin.sura.net!haven.umd.edu!news.umbc.edu!gmuvax2!spark
From: spark@gmuvax2.gmu.edu (Sooyong Park)
Subject: How can I start amateur radio in USA ?
Message-ID: <1992Nov9.165938.20615@gmuvax2.gmu.edu>
Followup-To: spark@gmuvax2.gmu.edu
Keywords: amateur radio,ham
Organization: George Mason University, Fairfax, Virginia, USA
Date: Mon, 9 Nov 1992 16:59:38 GMT
Lines: 22

Hello netters !

As a foreign student, I would like to know wheather I can enjoy radio ham. I was a member of HL0R(sogang university amateur radio club) in Seoul, Korea during 1982 - 1986.

So, I would like to know what kind of procedure do I need to follow, any association etc .
Thanks in advance.

```
====================================================================
Sooyong Park           Rm169, ST2
                  School of Information Technology
e-mail:spark@gmuvax2.gmu.edu     George Mason University
voice :(703)993-3684        4400 University Dr.
fax   :(703)993-1521        Fairfax, VA 22030
====================================================================
--
====================================================================
Sooyong Park           Rm169, ST2
                  School of Information Technology
e-mail:spark@gmuvax2.gmu.edu     George Mason University


From 6400531750750240814
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,77db708c16bdae95,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,77db708c16bdae95,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10bf43,77db708c16bdae95,start
X-Google-Attributes: gid10bf43,public
X-Google-ArrivalTime: 1992-11-09 12:51:14 PST
Xref: sparky rec.ham-radio:62 rec.radio.amateur.policy:1834
rec.radio.amateur.misc:18477
Path: sparky!uunet!caen!spool.mu.edu!studsys.mscs.mu.edu!jason
From: jason@studsys.mscs.mu.edu (Jason Hanson)
Newsgroups: rec.ham-radio,rec.radio.amateur.policy,rec.radio.amateur.misc
Subject: VE
Date: 10 Nov 1992 01:28:41 GMT
Organization: Marquette University - Department MSCS
Lines: 7
Distribution: world
Message-ID: <1dn389INNc8@spool.mu.edu>
Reply-To: jason@studsys.mscs.mu.edu (Jason Hanson)
NNTP-Posting-Host: studsys.mscs.mu.edu
Originator: jason@studsys.mscs.mu.edu

I just passed my Advanced class license test.  I am interested in becoming a VE
(our local teams are low on numbers); what is the procedure for getting
registered with the various VECs?
--
Jason Hanson         |   915 W. Wisconsin Ave #1010   |    (414) 288-2179
Marquette University |   Milwaukee, WI 53233-2373     |    Ham Radio: N9LEA/AA
--  jason@studsys.mscs.mu.edu       ==+==       n9lea@n0ary.#nocal.ca.usa.na  --


From 4042670419497495400
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cff53cb3d9b55fc0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,cff53cb3d9b55fc0,start
X-Google-Attributes: gid107ada,public
```

X-Google-Thread: fddbf,cff53cb3d9b55fc0,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,cff53cb3d9b55fc0,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 10fbd1,cff53cb3d9b55fc0,start
X-Google-Attributes: gid10fbd1,public
X-Google-ArrivalTime: 1992-11-19 09:53:16 PST
Xref: sparky rec.ham-radio:63 rec.ham-radio.packet:9 rec.ham-radio.swap:38 rec.radio.amateur.misc:19122 rec.radio.amateur.packet:2976
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.amateur.misc,rec.radio.amateur.packet
Path: sparky!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!ira.uka.de!rz.uni-karlsruhe.de!stepsun.uni-kl.de!sun.rhrk.uni-kl.de!rawass
From: rawass@rhrk.uni-kl.de (Alexander Rawass)
Subject: central question / FAQ needed
Message-ID: <1992Nov19.222227.15166@rhrk.uni-kl.de>
Organization: University of Kaiserslautern, Germany
Date: Thu, 19 Nov 1992 22:22:27 GMT
Lines: 43

Hi,

I have some central questions about connecting two hosts via some protocol, without using the telephone-net :

I want to connect two or more hosts (running Unix) with either TCP/IP or ka9q or something by transmitting the data 'through the air'!

So I wanted to know, what hardware equipment I will need, and I also wanted to know what is the correct term for this (ham-radio? packet-radio? cb?)

Anyway, I don't want to spend too much money on the radio hardware (less than DM 300, that are US$ 200).

I intended to use so called CB-units (don't know the correct english term).

So, if you have some material about this or if you can answer my questions or if you can tell me where to find a FAQ for tis group, please emal me or post to this group...

Rawalex

```
-------------------------+-----------------------------------------------
Alexander Rawass          | "Life's a piece of shit ... when you look at it."
rawass@sun.rhrk.uni-kl.de | Monty Python's Life of Brian
-------------------------+-----------------------------------------------
```

--
Rawalex

```
-------------------------+-----------------------------------------------
Alexander Rawass          | "Life's a piece of shit ... when you look at it."
rawass@sun.rhrk.uni-kl.de | Monty Python's Life of Brian
```

```
From 6832193877168615498
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a046c01c79a36335,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a046c01c79a36335,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 107ada,a046c01c79a36335,start
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1992-12-11 14:51:58 PST
Xref: sparky rec.radio.shortwave:8718 rec.radio.amateur.misc:20409 rec.ham-radio:64
Path: sparky!uunet!noc.near.net!hri.com!spool.mu.edu!caen!destroyer!gatech!news.ans.net!nynexst.com!fovea!atul
From: atul@nynexst.com (Atul Chhabra)
Newsgroups: rec.radio.shortwave,rec.radio.amateur.misc,rec.ham-radio
Subject: Mail order stores for Short Wave Radios?
Message-ID: <1992Dec11.212818.27354@nynexst.com>
Date: 11 Dec 92 21:28:18 GMT
Sender: news@nynexst.com (For News purposes)
Reply-To: atul@nynexst.com
Followup-To: rec.radio.shortwave
Organization: NYNEX Science & Technology, Inc
Lines: 25
```

I am looking for some mail order stores or discount stores that sell high end short wave radios at a discount. In the low to middle price range, SW radios are available at several mail order/discount stores at a deep discount compared to the list price. For example, Sony ICF-2010 has a list price of $450. However, I found it advertized in Sunday New York Times for $300. Are similar discounts available on high end SW radios such as Drake R-8, Kenwood R-5000, Japan Radio NRD-525, or Lowe HF-150? I called some of mail order stores that carry advertisements in "1993 Passport to World Band Radios" (Grove, Electronic Equipment Bank, and Barry Electronics). On a $1000 list price, their discounts are only about $50 to $100. Are there any other stores where one can get the high end radios at a greater discount?

Please respond by email. If there is sufficient interest, I will post a summary to the net. Thanks.

```
--Atul
=====================================================================
Atul K. Chhabra                        Phone: (914)644-2786
Member of Technical Staff                Fax: (914)644-2404
NYNEX Science & Technology          Internet: atul@nynexst.com
500 Westchester Avenue
White Plains, NY 10604
=====================================================================
```

From -4564453679505541677
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32b6282ad38413e2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,32b6282ad38413e2,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1993-01-28 22:09:03 PST
Xref: sparky sci.electronics:23599 rec.ham-radio:68
Path: sparky!uunet!math.fu-berlin.de!ira.uka.de!scsing.switch.ch!univ-lyon1.fr!
ghost.dsi.unimi.it!batcomputer!cornell!uw-beaver!news.u.washington.edu!
sumax.seattleu.edu!sumax.seattleu.edu!not-for-mail
From: smithsh@sumax.seattleu.edu (Scott H. Smith)
Newsgroups: sci.electronics,rec.ham-radio
Subject: VOX (voice activated switch, info request)
Date: 28 Jan 1993 11:30:50 -0800
Organization: Seattle University
Lines: 21
Distribution: world
Message-ID: <1k9c9aINNi3b@sumax.seattleu.edu>
NNTP-Posting-Host: sumax.seattleu.edu

Does anyone have any good plans for a voice activated or volume activated switch (admittidly I am not sure if this would be amplitude or voltage).

I need to switch two channels on an intercom system, the first gives priority to a normally squelched source over that of one that is normally on. The second gives priority to voice over audio that is normally on.

Ideally I would like to control the voice activated unit such that I can set the system so it will activate (go high) only after the voice has been => a given amplitude/gain/volume (?) for a given time (.2 seconds or so). By doing this I hope to eliminate much of the noise from someone coughing into or rattling the mike. I would also like to be able to control the voice drop to shut off time.

Any references to Ham-radio, electronics, data manual, project, or other circuit sources would be greatly appreciated.

Thanks,
Scott

From 4440413746582458899
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32b6282ad38413e2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,32b6282ad38413e2
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1993-01-29 07:24:26 PST
Xref: sparky sci.electronics:23657 rec.ham-radio:69
Newsgroups: sci.electronics,rec.ham-radio
Path: sparky!uunet!haven.umd.edu!darwin.sura.net!jhunix.hcf.jhu.edu!
bogus.sura.net!howland.reston.ans.net!spool.mu.edu!agate!ames!decwrl!pa.dec.com!
engage.pko.dec.com!e2big.mko.dec.com!zko.dec.com!coolidge
From: coolidge@zko.dec.com (Bayard R. Coolidge)
Subject: Re: VOX (voice activated switch, info request)
Message-ID: <1993Jan29.145926.9139@e2big.mko.dec.com>
Keywords: amateur, radio, vox
Lines: 29
Sender: usenet@e2big.mko.dec.com (Mr. USENET)
Reply-To: coolidge@zko.dec.com (Bayard R. Coolidge)
Organization: Digital Equipment Corporation
References: <1k9c9aINNi3b@sumax.seattleu.edu>
Date: Fri, 29 Jan 1993 14:59:26 GMT

--
Reference: <1k9c9aINNi3b@sumax.seattleu.edu>

> > Does anyone have any good plans for a voice activated or volume activated
> > switch (admittidly I am not sure if this would be amplitude or voltage).

Try any recent edition (from the last 10 years or so) of the "Radio Amateur's Handbook", published by the American Radio Relay League (225 Main Street, Newington, CT 06111 - 203-666-1541), which generally has exactly what you're looking for on this subject.

Several years ago, a lot of hams were trying to add VOX circuits to some of the older gear that weren't built with it. But, the circuit should be readily adaptable to your needs, and the text should help.

I suspect that there may be an amateur radio club in your vicinity, if not actually on campus, so you might be able to borrow the book and get some advice/help at the same time. If you call the ARRL, they can probably give you the names of some local amateurs out there. (If you weren't aware of it, the ARRL is our national club. In fact, some of their employees have Internet addresses, so keep an eye on this group and rec.radio.amateur.misc.)

```
------------------------------------------------------------------------------
Bayard R. Coolidge N1HO     DISCLAIMER: The opinions expressed are
Digital Equipment Corp.     solely those of the author, and not
Nashua, New Hampshire, USA  those of Digital Equipment Corporation
coolidge@zko.dec.com        nor any other entity.
"Brake for Moose - It can save your life" - N.H. Fish & Game Dept.
------------------------------------------------------------------------------
```

From 5578681995891736159
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32b6282ad38413e2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,32b6282ad38413e2
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1993-01-29 07:38:20 PST
Xref: sparky sci.electronics:23746 rec.ham-radio:72
Newsgroups: sci.electronics,rec.ham-radio
Path: sparky!uunet!caen!sol.ctr.columbia.edu!emory!swrinde!cs.utexas.edu!hermes.chpc.utexas.edu!news.utdallas.edu!cyoon
From: cyoon@utdallas.edu (CHANG K YOON)
Subject: Re: VOX (voice activated switch, info request)
Message-ID: <C1MGrw.L9J@utdallas.edu>
Sender: usenet@utdallas.edu
Nntp-Posting-Host: csclass.utdallas.edu
Organization: Univ. of Texas at Dallas
References: <1k9c9aINNi3b@sumax.seattleu.edu>
Date: Fri, 29 Jan 1993 15:38:20 GMT
Lines: 30

In article <1k9c9aINNi3b@sumax.seattleu.edu> smithsh@sumax.seattleu.edu (Scott H. Smith) writes:
>Does anyone have any good plans for a voice activated or volume activated
>switch (admittidly I am not sure if this would be amplitude or voltage).
>
>I need to switch two channels on an intercom system, the first gives priority
>to a normally squelched source over that of one that is normally on. The
>second gives priority to voice over audio that is normally on.
>
>Ideally I would like to control the voice activated unit such that I can set
>the system so it will activate (go high) only after the voice has been => a
>given amplitude/gain/volume (?) for a given time (.2 seconds or so). By doing
>this I hope to eliminate much of the noise from someone coughing into or
>rattling the mike. I would also like to be able to control the voice drop to
>shut off time.
>
>Any references to Ham-radio, electronics, data manual, project, or other
>circuit sources would be greatly appreciated.
>
>Thanks,
>Scott
>

I'm also interested in a VOX circuit. Could someone send these to me also?
I have PostScript Capabilities, so PostScript files are good here. Thanks!

--

Chang Yoon | "Our children know EVERYTHING, we
cyoon@utdallas.edu | have cable." - Ms. Penbroke, C 'n C

```
-------------------------------------------------------------------------------


From 5057997196382490915
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32b6282ad38413e2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,32b6282ad38413e2
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1993-01-29 11:11:27 PST
Xref: sparky sci.electronics:23672 rec.ham-radio:70
Newsgroups: sci.electronics,rec.ham-radio
Path: sparky!uunet!gatech!rpi!batcomputer!cornell!uw-beaver!micro-heart-of-
gold.mit.edu!xn.ll.mit.edu!ll.mit.edu!tcs
From: tcs@ll.mit.edu (Tom Sefranek)
Subject: Re: VOX (voice activated switch, info request)
Message-ID: <1993Jan29.172714.14331@ll.mit.edu>
Sender: tcs@ll.mit.edu (Tom Sefranek)
Reply-To: tcs@ll.mit.edu (Tom Sefranek)
Organization: "Group   47"
References: <1k9c9aINNi3b@sumax.seattleu.edu> <C1MGrw.L9J@utdallas.edu>
Date: Fri, 29 Jan 93 17:27:14 GMT
Lines: 21

First, the CURRENT news group is rec.radio.amateur.misc

Check the MC2830 Voice activated Switch from Motorola, I believe they sell for
98 cents.

Tom
--
--------------------------------------------------------------------------------
   /-/-/-/-/             |                 Informal Class Sunday's @ 13:00 EST,
   /-/-/-/-/         /---/---/             followed by a N&T VE Session @ 15:00,
       |                 x         |       @ Navy Barracks @ Fort Devens, Ma.
    /--/--/              x     /---/---/   Second & Fourth Mondays of the month.
       x       .       --x--       x       @ Lura A. White School  Shirley, Ma.
      -x       |         x         x       E-Mail or call 617-981-3474 (Work)
       x       |       __x         x       Call in: 145.41, 145.45, 448.625 Mhz.
       x_______|_______||x         x       Ham Radio (Elmer) Night @ 19:00 EST
      /                ||x\      /   \     First, Third, (Fifth) Mondays.
    /-----------------/||x \   /___ ___\   Thomas C. J. Sefranek  WA1RHP
    | [ ] [ ] ## [  ]| ||x  | ||  | |  ||  112 Great Road  Shirley, Ma. 01464
    |         ##     | ||x  | ||  | |  ||  Home Phone: 508-425-6672
--------------------------------------------------------------------------------


From 4134222821666316553
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32b6282ad38413e2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,32b6282ad38413e2
X-Google-Attributes: gid105d97,public
```

X-Google-ArrivalTime: 1993-01-30 18:25:53 PST
Xref: sparky sci.electronics:23741 rec.ham-radio:71
Newsgroups: sci.electronics,rec.ham-radio
Path: sparky!uunet!cs.utexas.edu!hermes.chpc.utexas.edu!news.utdallas.edu!cyoon
From: cyoon@utdallas.edu (CHANG K YOON)
Subject: Re: VOX (voice activated switch, info request)
Message-ID: <C1ox3B.5ry@utdallas.edu>
Keywords: amateur, radio, vox
Sender: usenet@utdallas.edu
Nntp-Posting-Host: csclass.utdallas.edu
Organization: Univ. of Texas at Dallas
References: <1k9c9aINNi3b@sumax.seattleu.edu>
<1993Jan29.145926.9139@e2big.mko.dec.com>
Date: Sat, 30 Jan 1993 23:25:58 GMT
Lines: 45

In article <1993Jan29.145926.9139@e2big.mko.dec.com> coolidge@zko.dec.com (Bayard R. Coolidge) writes:
>
>--
>Reference: <1k9c9aINNi3b@sumax.seattleu.edu>
>>> Does anyone have any good plans for a voice activated or volume activated
>>> switch (admittidly I am not sure if this would be amplitude or voltage).
>
>Try any recent edition (from the last 10 years or so) of the "Radio Amateur's
>Handbook", published by the American Radio Relay League (225 Main Street,
>Newington, CT 06111 - 203-666-1541), which generally has exactly what you're
>looking for on this subject.
>

I just looked in the "ARRL Handbook for Radio Amateurs" and the only reference it has on VOX is that it states that "A transceiver equipped with VOX..." It has nothing on design or any circuit diagrams. This is the 1993 edition of this book, BTW. (Pages 13-10 to 13-11)

>Several years ago, a lot of hams were trying to add VOX circuits to some of
>the older gear that weren't built with it. But, the circuit should be readily
>adaptable to your needs, and the text should help.
>
>I suspect that there may be an amateur radio club in your vicinity, if not
>actually on campus, so you might be able to borrow the book and get some
>advice/help at the same time. If you call the ARRL, they can probably give
>you the names of some local amateurs out there. (If you weren't aware of
>it, the ARRL is our national club. In fact, some of their employees have
>Internet addresses, so keep an eye on this group and rec.radio.amateur.misc.)
>
>---
>Bayard R. Coolidge   N1HO   DISCLAIMER: The opinions expressed are
>Digital Equipment Corp.   solely those of the author, and not
>Nashua, New Hampshire, USA those of Digital Equipment Corporation
>coolidge@zko.dec.com   nor any other entity.
>"Brake for Moose - It can save your life" - N.H. Fish & Game Dept.
>---

Yes, there are several here in the Dallas/Fort Worth area. I'll ask my class teacher (I'm currently learning) about the VOX circuit.

```
--
-------------------------------------------------------------------------------
Chang Yoon                             |  "Our children know EVERYTHING, we
cyoon@utdallas.edu                     |   have cable." - Ms. Penbroke, C 'n C
-------------------------------------------------------------------------------
```

```
From 5181900611683648725
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bed490a606bd76e2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9532,bed490a606bd76e2,start
X-Google-Attributes: gidf9532,public
X-Google-Thread: 1109af,bed490a606bd76e2,start
X-Google-Attributes: gid1109af,public
X-Google-Thread: 107ef8,bed490a606bd76e2,start
X-Google-Attributes: gid107ef8,public
X-Google-Thread: f76e2,bed490a606bd76e2,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 109c0d,bed490a606bd76e2,start
X-Google-Attributes: gid109c0d,public
X-Google-ArrivalTime: 1993-02-16 17:42:18 PST
Xref: sparky rec.ham-radio:73 rec.radio.swap:3959 rec.ham-radio.swap:47
misc.forsale:38371 dc.forsale:3627 misc.wanted:11543
Newsgroups: rec.ham-radio,rec.radio.swap,rec.ham-
radio.swap,misc.forsale,dc.forsale,misc.wanted
Path: sparky!uunet!stanford.edu!ames!haven.umd.edu!wam.umd.edu!adam
From: adam@wam.umd.edu (Adam L. Greenberg)
Subject: Voice Commander CORRECTION
Message-ID: <1993Feb17.014218.7877@wam.umd.edu>
Keywords: Correct Name Below
Sender: usenet@wam.umd.edu (USENET News system)
Nntp-Posting-Host: rac3.wam.umd.edu
Organization: Workstations at Maryland, University of Maryland, College Park
Date: Wed, 17 Feb 1993 01:42:18 GMT
Lines: 8
```

For those of you who flamed me and charred my tuchis, the correct name for the low-powered 2m FM transmitter I'm looking for is the VOICE DIRECTOR, not the Voice Commander. Jeez, get a name wrong and the whole world is all over you. Besides, I said (or similar name)...

```
--Adam
  de N3NKI
```

```
From 3317031767832394951
X-Google-Language: ENGLISH,ASCII-7-bit
```

X-Google-Thread: 10c9e3,6eb97fc0ef3e2e93,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6eb97fc0ef3e2e93,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 105d97,6eb97fc0ef3e2e93,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1993-03-29 07:56:55 PST
Xref: sparky rec.ham-radio:74 rec.radio.shortwave:11620 sci.electronics:27475
Path: sparky!uunet!haven.umd.edu!darwin.sura.net!wupost!cs.utexas.edu!sun-barr!
news2me.EBay.Sun.COM!seven-up.East.Sun.COM!hienergy.East.Sun.COM!jimv
From: jimv@hienergy.East.Sun.COM (Jim Vienneau - Sun Microsystems)
Newsgroups: rec.ham-radio,rec.radio.shortwave,sci.electronics
Subject: Need schematic for Zenith TransOceanic
Date: 29 Mar 1993 15:53:05 GMT
Organization: Sun Microsystems, Inc. Mt. View, Ca.
Lines: 9
Distribution: na
Message-ID: <1p7611$78r@seven-up.East.Sun.COM>
Reply-To: jimv@hienergy.East.Sun.COM (Jim Vienneau - Sun Microsystems)
NNTP-Posting-Host: hienergy.east.sun.com
Originator: jimv@hienergy

I need a schematic for a Zenith TransOceanic Royal 7000 receiver (late 60's 11 band solid state portable). Any suggestions on where I might be able to aquire one would be greatly appreciated!

--
Jim Vienneau, Sun Microsystems Inc - Chelmsford, MA
Email: jimv@east.sun.com, Amateur Radio: WB1B
Good old Ma Bell (well old anyway): (508)442-0372

From 3464965031484723365
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5bfaee9168d78c1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10fbd1,b5bfaee9168d78c1,start
X-Google-Attributes: gid10fbd1,public
X-Google-Thread: 107ada,b5bfaee9168d78c1,start
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1993-04-01 10:22:33 PST
Xref: gmd.de rec.radio.amateur.misc:23118 rec.radio.amateur.packet:3508
Path: gmd.de!ira.uka.de!yale.edu!spool.mu.edu!hri.com!noc.near.net!
saturn.caps.maine.edu!maine.maine.edu!umasp
Organization: University of Maine System
Date: Thu, 1 Apr 1993 12:05:00 EST
From: <UMASP@MAINE.MAINE.EDU>
Message-ID: <93091.120500UMASP@MAINE.MAINE.EDU>
Newsgroups: rec.ham-radio,rec.radio.amateur.misc,rec.radio.amateur.packet
Subject: Request: Modification instructions for Radio Shack HTX-202.
Lines: 12

I am making this post for my nephew who doesn't have access to Netnews. He currently has a Radio Shack HTX-202, 2-meter radio and was looking to make modifications. If anyone has any instructions for modifying the frequency or other modification information regarding the HTX-202 it would be greatly appreciated. Information can be sent directly to me and I will forward to him. He has mail capability, but not much else.

Thank you,

George Newell
umasp@maine.maine.edu
umasp@maine.bitnet

```
From -535440966699092166
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5bfaee9168d78c1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10fbd1,b5bfaee9168d78c1
X-Google-Attributes: gid10fbd1,public
X-Google-Thread: 107ada,b5bfaee9168d78c1
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1993-04-02 02:21:15 PST
Xref: gmd.de rec.radio.amateur.misc:23162 rec.radio.amateur.packet:3518
Newsgroups: rec.ham-radio,rec.radio.amateur.misc,rec.radio.amateur.packet
Path: gmd.de!ira.uka.de!yale.edu!spool.mu.edu!uwm.edu!linac!att!att-out!cbfsb!
cbnewsb.cb.att.com!wa2ise
From: wa2ise@cbnewsb.cb.att.com (robert.f.casey)
Subject: Re: Request: Modification instructions for Radio Shack HTX-202.
Message-ID: <1993Apr2.032729.5565@cbfsb.cb.att.com>
Sender: news@cbfsb.cb.att.com
Organization: AT&T
References: <93091.120500UMASP@MAINE.MAINE.EDU>
Date: Fri, 2 Apr 1993 03:27:29 GMT
Lines: 1
```

There are none.

```
From -103555405495700453
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1446888316b0a140,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,1446888316b0a140,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 106d41,1446888316b0a140,start
X-Google-Attributes: gid106d41,public
X-Google-Thread: 107ada,1446888316b0a140,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 115063,1446888316b0a140,start
X-Google-Attributes: gid115063,public
X-Google-Thread: f74ae,1446888316b0a140,start
X-Google-Attributes: gidf74ae,public
```

X-Google-Thread: 1004cb,1446888316b0a140,start
X-Google-Attributes: gid1004cb,public
X-Google-Thread: 10a9e8,1446888316b0a140,start
X-Google-Attributes: gid10a9e8,public
X-Google-ArrivalTime: 1993-04-05 13:52:10 PST
Xref: gmd.de rec.nude:6198 rec.radio.amateur.misc:23357 rec.radio.cb:1671 rec.radio.shortwave:9383 sci.aeronautics:2624 sci.astro:14250 sci.econ:9379 sci.med:23177 sci.misc:1620 sci.space:20433 soc.bi:20463
Newsgroups: rec.ham-radio,rec.nude,rec.radio.amateur.misc,rec.radio.cb,rec.radio.shortwave,sci.aeronautic,sci.aeronautics,sci.astro,sci.econ,sci.med,sci.misc,sci.space,soc.bi
Path: gmd.de!newsserver.jvnc.net!yale.edu!nigel.msen.com!sdd.hp.com!cs.utexas.edu!uunet!orca!mesa!rthomson
From: Bob.Waldrop@f418.n104.z1.fidonet.org (Bob Waldrop)
Subject: Celebrate Liberty! 1993
Message-ID: <1993Apr5.201235.15980@dsd.es.com>
Followup-To: talk.politics.misc
Originator: rthomson@mesa
X-Sequence: 10
Sender: usenet@dsd.es.com
Nntp-Posting-Host: 130.187.85.21
Reply-To: Bob.Waldrop@f418.n104.z1.fidonet.org (Bob Waldrop)
X-Us-Mail: P.O. Box 526175, Salt Lake City, UT 84152
X-Telephone: 801-582-3318
Organization: Morning Glory Productions, SLC, UT
Date: Mon, 5 Apr 93 20:12:35 GMT
Lines: 323

Announcing. . . Announcing. . . Announcing. . .Announcing. . .

CELEBRATE LIBERTY!
1993 LIBERTARIAN PARTY NATIONAL CONVENTION
AND POLITICAL EXPO

THE MARRIOTT HOTEL AND THE SALT PALACE
SALT LAKE CITY, UTAH

INCLUDES INFORMATION ON DELEGATE DEALS!
(Back by Popular Demand!)

The convention will be held at the Salt Palace Convention Center and the Marriott Hotel, Salt Lake City, Utah. The business sessions, Karl Hess Institute, and Political Expo are at the Salt Palace; breakfasts, parties, and banquet are at the Marriott Hotel.

Marriott Hotel room rates are $79.00 night, plus 10.5% tax ($87.17 total). This rate is good for one to four persons room occupancy. Double is one or two beds; 3 or 4 people is 2 beds. You can make your reservations direct with the hotel (801-531-0800), or you can purchase your room through one of MGP's payment plans. MGP will provide assistance in matching roommates if requested.

August 30, 31, Sept. 1: Everything You Always Wanted to Know About Winning Elections, but Didn't Know Where to Ask!

Three days of intensive campaign training conducted by Sal Guzzetta, a 25 year veteran of more than 200 campaigns. Students receive 990 pages of professional campaign manuals. Everything from strategy and targeting to opposition research, fundraising, and field operations.

Price: $150 if purchased by May 1, 1993
$175 thereafter

August 31 and Sept. 1: Platform, Bylaws, Credentials and National committee meetings.

Shoot out in Salt Lake! PLEDGE versus Committee for a Libertarian Majority. Will the party's membership and platform definitions change? Is compromise possible? The Platform and Bylaws committees are responsible for making recommendations to the convention concerning changes in those documents. At this convention, the party will only consider deletions to the platform. The Convention Rules would have to be amended by a 2/3 vote to change this rule.

The meetings are open to the public. There is no charge for attending.

Sept. 2-5, 1993: Celebrate Liberty! Begins
Political Expo Opens

Sept. 2, 1993: 9 AM -- Credentials Committee report to the delegates.

10:30 -- Gala Opening Ceremony and Keynote Address by Russell Means.

1:00 -- After lunch break, convention business continues (see "Standing Order of Business" from the "Convention Rules of the Libertarian Party" at the end of this document.

Karl Hess Institute of Libertarian Politics Begins, runs in tandem with the business sessions.

Sept. 3, 1993: Dawns Early Light, Green Dragon Inn (morning and evening), with Karl Hess Institute and convention business in between.

Sept. 4, 1993: Dawns Early Light, Freedom Rock '93, Karl Hess Institute, convention business.

Sept. 5, 1993: Dawns Early Light, Convention Banquet, Karl Hess Institute, convention business, Joyful Noise.

ACTIVITY DESCRIPTIONS:

DAWNS EARLY LIGHT	Three great convention breakfasts to start your days right, featuring science fiction author L. Neil Smith, psychiatrist and author Dr. Thomas Szasz, and South African Libertarian leader Frances Kendall.
GREEN DRAGON INN	"Opening night" party, named after the famous inn where Sam Adams and his crowd plotted trouble for the British over pints of ale and beer. Music, food, drink, and comedy.
FREEDOM ROCK '93	Free downtown rock concert Friday night, with drum circle, comic Tim Slagle, Middle Eastern dancer, reggae, and local classic rock-n-roll bands. Will be widely publicized in the local area. Major outreach opportunity.
BANQUET	Vivaldi and Mozart, fine dining, in the elegant Marriott Grand Ballroom (black tie optional). Dancing follows.
POLITICAL EXPO	Exhibits and vendors. FREE admission. Event will be widely publicized in local area for maximum draw. Major Outreach opportunity.

KARL HESS INSTITUTE OF LIBERTARIAN POLITICS

Workshops, speakers, roundtable discussions in these areas:

LIBERTY: NEXT GENERATION	High school and college age Libertarians talk about what matters to them and the 20-something generation.
AGENDA 2000	Considers key issues of the 1990s. Environment. Health Care. 21st Century Economics. Drug War. Second Amendment. Social Services. Foreign Policy. Crime & Violence. AIDS.
THE GREAT DEBATE	LP Strategy and tactics. Media. Ballot Access. Initiatives. Feminist Issues. Presidential Campaigns. LP Elected Officials. Grassroots. Early look at the 1996 presidential nomination.
VALUES FOR THE 90s	Community. Children. Abundance. Home Schooling. Religion and Liberty. Race.

CAMPUS FOCUS	Organizing. Academia. Blue Collar Youth.

CONVENTION PACKAGE DESCRIPTIONS AND PRICES

TOTAL EVENT:	All activities, Aug. 30-Sept. 5, $400, including 3 day candidate training
Full Celebration:	All convention activities, Sept. 2-5, $300
Late Riser	No breakfasts, everything else Sept. 2-5, $250
Thrift	No breakfasts or banquet, $150
Issues Focus	Karl Hess Institute, $125
Basic	Convention packet, souvenirs, two Karl Hess Institute speakers
Free	Political Expo, Access to convention hall, Keynote Address, Joyful Noise, Freedom Rock '93, three free outreach speakers.

PLEASE NOTE:

-- PRICES INCREASE MAY 1, 1993

-- Special student prices are available to anyone under 25 years of age or who is enrolled in a college or university.

-- Six and seven month payment plans are available which can include housing (if requested).

-- To add the three day candidate training to any package below (except "Total Event"), add $150 to the price.

-- All prices are in U.S. dollars.

-- Advertising is available in the convention program; exhibits and sponsorships are available for the Political Expo. Free Political Expo admission and MGP promotions will draw visitors from the surrounding community (one million people live within a 30 minute drive of the Expo).

-- If your special interest group, organization, committee, or cause would like to schedule space for a presentation, contact us.

-- MGP conducts a drawing each month and gives away FREE hotel nights. The sooner you register, the more chances you have to win.

-- Roommate match service available upon request.

OTHER EVENTS:

"Anti-Federalist Two"	MGP sponsored writing contest. June submission deadline. Contact MGP for prospectus.
"The Libertarian Games"	Friendly competition -- marksmanship, computer programming, chess, maybe more.
Libertarians for Gay & Lesbian Concerns	Business meeting, social night, sponsored by LGLC.
???	YOUR EVENT CAN BE LISTED HERE. Contact MGP for details.

ATTENTION COLLEGE STUDENTS!

Special discounts are available for college and high school students. We will work on casual housing opportunities for the "Poverty Caucus". College Libertarians will meet at Celebrate Liberty! and discuss the future of their movement on campuses. Contact MGP for more details.

LIST OF SPEAKERS

(as of March 14, 1993):

Dean Ahmad
Karen Allard
Rick Arnold
Dr. George Ayittey
Alan Boch
Richard Boddie
Gus Dizerega
Larry Dodge
Dr. Richard Ebeling
Don Ernsberger
Bill Evers
Bonnie Flickenger
John Fund
Doris Gordon
Leon Hadar
Patrick Henry
Karl Hess
Dr. Karl Hess Jr.
Jacob Honrberger
Jim Hudler
Jeff Hummel
Alexander Joseph
Frances Kendall
Martin Luther King
Me-Me King
Henry Lamb
Amy Lassen
Scott Lieberman
Dr. Nancy Lord
Russell Means
Vince Miller
Maury Modine
David Nolan
Randall O'Toole
James Ostrowski
Dirk Pearson
Bob Poole
Carole Ann Rand
Sheldon Richman
Kathleen Richman
Dan Rosenthal
Dr. Mary Ruwart
Dagny Sharon
Jane Shaw
Sandy Shaw
L. Neil Smith
Eric Sterling
Dr. Richard Stroup
Dr. Thomas Szasz
Michael Tanner
Sojourner Truth
Yuri Tuvim
Bob Waldrop
Terree Wasley
Perry Willis
Richard Winger
Jarret Wollstein
Brigham Young

UPCOMING CONVENTION DEVELOPMENTS!

On May 1st, prices increase for convention packages, candidate training, and exhibits/advertising:

New prices for convention packages will be:

Total Event:	$450
Full Celebration:	$350
Late Riser:	$275
Thrift:	$175
Issues Focus:	$150
Basic:	$30
Free:	$0

These prices good through July 2, 1993.

BACK BY POPULAR DEMAND!
ANNOUNCING THE DELEGATE DEALS!
Available May 1, 1993

I: Business Focus: All convention activities except Karl Hess Institute -- $275

II: Delegate Celebration, includes a complete set of Karl Hess Institute audio tapes instead of institute tickets -- $350

STANDING ORDER OF BUSINESS FOR A LIBERTARIAN PARTY CONVENTION

1. Call to order

2. Credentials Committee report

3. Adoption of agenda

4. Treasurer's report

5. Bylaws and Rules Committee report (Non-nominating conventions only)

6. Platform Committee report (At non-Presidential nominating conventions only deletions may be considered.)

7. Nomination of Party candidates for President and Vice-President (in appropriate years)

8. Election of Party Officers and at-large members of the National Committee

9. Election of Judicial Committee

10. Resolutions

11. Other business

FOR QUESTIONS OR COMMENTS,

GRUMBLES OR GRINS,

SUGGESTIONS OR CRITICISM,

AND

TO REGISTER,

CONTACT:

MORNING GLORY PRODUCTIONS, INC.
P.O. Box 526175
Salt Lake City, UT 84152
801.582.3318
E-mail: Bob.Waldrop@f418.n104.z1.fidonet.org

Make Checks Payable to Morning Glory Productions, Inc.

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--
                Don't blame me; I voted Libertarian.
Disclaimer: I speak for myself, except as noted; Copyright 1993 Rich Thomson
UUCP: ...!uunet!dsd.es.com!rthomson            Rich Thomson
Internet: rthomson@dsd.es.com    IRC: _Rich_       PEXt Programmer
```

```
From 3113504640140387210
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1446888316b0a140
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,1446888316b0a140
X-Google-Attributes: gid114aac,public
X-Google-Thread: 106d41,1446888316b0a140
X-Google-Attributes: gid106d41,public
X-Google-Thread: 115063,1446888316b0a140
X-Google-Attributes: gid115063,public
X-Google-Thread: 1004cb,1446888316b0a140
X-Google-Attributes: gid1004cb,public
X-Google-Thread: 107ada,1446888316b0a140
X-Google-Attributes: gid107ada,public
X-Google-Thread: 10a9e8,1446888316b0a140
X-Google-Attributes: gid10a9e8,public
X-Google-Thread: f74ae,1446888316b0a140
X-Google-Attributes: gidf74ae,public
```

```
X-Google-ArrivalTime: 1993-04-06 01:25:36 PST
Xref: gmd.de rec.nude:6204 rec.radio.amateur.misc:23385 rec.radio.cb:1676
rec.radio.shortwave:9397 sci.aeronautics:2629 sci.astro:14276 sci.econ:9388
sci.med:23202 sci.misc:1621 sci.space:20475 soc.bi:20486
Newsgroups: rec.ham-
radio,rec.nude,rec.radio.amateur.misc,rec.radio.cb,rec.radio.shortwave,sci.aeronau
tic,sci.aeronautics,sci.astro,sci.econ,sci.med,sci.misc,sci.space,soc.bi
Path: gmd.de!newsserver.jvnc.net!howland.reston.ans.net!noc.near.net!uunet!mcsun!
news.funet.fi!ousrvr.oulu.fi!vttoulu.tko.vtt.fi!dfo
From: Bob.Waldrop@f418.n104.z1.fidonet.org (Bob Waldrop)
Subject: Re: Celebrate Liberty!  1993
Message-ID: <1993Apr6.080012.25371@ousrvr.oulu.fi>
Followup-To: alt.test
Originator: dfo@vttoulu.tko.vtt.fi
Sender: news@ousrvr.oulu.fi
Reply-To: Bob.Waldrop@f418.n104.z1.fidonet.org (Bob Waldrop)
X-Telephone: 801-582-3318
X-Us-Mail: P.O. Box 526175, Salt Lake City, UT 84152
Organization: Morning Glory Productions, SLC, UT
References: <1993Apr5.201235.15980@dsd.es.com>
Date: Tue, 6 Apr 1993 08:00:12 GMT
Lines: 15

Bob.Waldrop send the referred to message to a lot of apparently
inappropriate groups.  If you consider them such, maybe he would
appreciate learning that.

>Lines: 323
>
>Announcing. . . Announcing. . . Announcing. . .Announcing. . .
>
>                              CELEBRATE LIBERTY!
>                  1993 LIBERTARIAN PARTY NATIONAL CONVENTION
>                              AND POLITICAL EXPO
>
--
doug foxvog
dfo@tko.vtt.fi


From 885508113030980856
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,356125b77f4f32f4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,356125b77f4f32f4,start
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1993-04-09 14:34:07 PST
Newsgroups: rec.ham-radio,rec.radio.amateur.misc
Path: gmd.de!ira.uka.de!math.fu-berlin.de!aa.cad.slb.com!braun
From: braun@ann-arbor.applicon.slb.com (Matthew Braun)
Subject: FCC 2 & 3A question pools
Sender: usenet@ann-arbor.applicon.slb.com (Usenet Administrator)
Date: Fri, 9 Apr 1993 19:50:57 GMT
```

```
Message-ID: <1993Apr9.195057.1021@ann-arbor.applicon.slb.com>
Organization: Applicon, Inc.; Ann Arbor, MI (USA)
Lines: 23
```

Hi all-

I'm a ham'er to be. I've been studying the ARRL book "Now You're Talking with HAM radio" for the last few weeks. I'm almost done reading it all and will start reviewing and studying the questions before I take the test. I'll be taking the Technician FCC exams parts 2 and 3A.

What I would like to know is there a program on the net that will randomly generate sample tests from the official question pool? If not, I was thinking if anyone has the questions in electronic form, that I could write a short program to read in the questions and output sample tests.

If you know of such a program or where an online copy of the question pool is, please email me.

Thanks,

Matthew.
--

```
Matthew Braun                                   Applicon, Inc.
braun@ann-arbor.applicon.slb.com                Ann Arbor, Michigan (USA)
                                                (313) 995-6264
```

```
From 6282843408932061757
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,356125b77f4f32f4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,356125b77f4f32f4
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1993-04-15 05:17:17 PST
Newsgroups: rec.ham-radio,rec.radio.amateur.misc
Path: gmd.de!ira.uka.de!news.dfn.de!scsing.switch.ch!univ-lyon1.fr!
ghost.dsi.unimi.it!rpi!uwm.edu!linac!att!cbnewsm!wx4d
From: wx4d@cbnewsm.cb.att.com (james.v.morgan..jr)
Subject: Re: FCC 2 & 3A question pools
Organization: AT&T
Distribution: usa
Date: Wed, 14 Apr 1993 18:41:13 GMT
Message-ID: <1993Apr14.184113.6184@cbnewsm.cb.att.com>
References: <1993Apr9.195057.1021@ann-arbor.applicon.slb.com>
Lines: 65
```

In article <1993Apr9.195057.1021@ann-arbor.applicon.slb.com> braun@ann-arbor.applicon.slb.com (Matthew Braun) writes:
>Hi all-
>
>I'm a ham'er to be. I've been studying the ARRL book "Now You're

>Talking with HAM radio" for the last few weeks. I'm almost done reading
>it all and will start reviewing and studying the questions before I take
>the test. I'll be taking the Technician FCC exams parts 2 and 3A.
>
>What I would like to know is there a program on the net that will
>randomly generate sample tests from the official question pool? If not,
>I was thinking if anyone has the questions in electronic form, that I
>could write a short program to read in the questions and output sample
>tests.
>
>If you know of such a program or where an online copy of the question
>pool is, please email me.
>
>Thanks,
>
>Matthew.
>--
>Matthew Braun   Applicon, Inc.
>braun@ann-arbor.applicon.slb.com   Ann Arbor, Michigan (USA)
>   (313) 995-6264

For MS DOS, Autoexam by Rich Bono (NM1D?) is a nice piece of shareware.
It does exactly what you are looking for. I think the question pools
are also available from various places.

Download AUTOEXAM.ZIP and use pkunzip or a similar program to unpack it.
It comes with the question pools & documentation. The only thing
you will need is a copy of the ARRL "Now You're Talking" or W5YI's book
to get the figures. AUTOEXAM doesn't have any graphics. When the
question involves a diagram, the Figure number is given, so you can
look it up in N.Y.T.

The zip file also includes AUTOCW, which will run CW practice in various
modes.

Good luck... Hope you pass the test soon!

73,

Jim Morgan WX4D/3
jvm@aluxpo.att.com

PS: almost forgot: AUTOEXAM.ZIP can be downloaded from various places,
one of which is wuarchive.wustl.edu (pub/hamradio directory I think).
Another way to get it is via KA6ETB's mail server. Send mail to
HAM-server@grafex.Cupertino.CA.US and include the line:
get /hamradio/exams/AUTOEXAM.ZIP uue

You will receive mail with AUTOEXAM.ZIP uuencoded. You can specify
"xxe" instead of "uue" for encoding with xxencode instead of uuencode.
You have to use some kind of encoding to send binary files through the

mail.

The word INDEX on a separate line will cause the server to send you
an index of all the files he has available.

Good luck & 73 de WX4D

From -7493982974714540562
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,356125b77f4f32f4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,356125b77f4f32f4
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1993-04-15 07:39:04 PST
Newsgroups: rec.ham-radio,rec.radio.amateur.misc
Path: gmd.de!ira.uka.de!scsing.switch.ch!univ-lyon1.fr!ghost.dsi.unimi.it!rpi!
news.crd.ge.com!uunet!gatech!asuvax!cs.utexas.edu!uwm.edu!linac!att!cbnewsm!jeffj
From: jeffj@cbnewsm.cb.att.com (jeffrey.n.jones)
Subject: Great QSL cards?
Organization: AT&T
Distribution: usa
Date: Wed, 14 Apr 1993 19:45:51 GMT
Message-ID: <1993Apr14.194551.8597@cbnewsm.cb.att.com>
References: <1993Apr9.195057.1021@ann-arbor.applicon.slb.com>
<1993Apr14.184113.6184@cbnewsm.cb.att.com>
Lines: 13

I would like to design my own QSL card and I was hoping that some fellow
hams could tell me here about great QSL cards that they have received.
I got one from Yugoslavia that showed a ham in bed with a buxom woman
and him asking the other ham to QRX for a minute as he was busy. 8-)
For some reason my wife didn't like that one. 8-) Does anyone have
any good ideas for QSL cards or ones that they particularly like that
they could share with the net and myself? 73!

Jeff
--
 Jeff Jones AB6MB | OPPOSE THE NORTH AMERICAN FREE TRADE AGREEMENT!
 jeffj@seeker.mystic.com | Canada/USA Free Trade cost Canada 400,000 jobs.
 Infolinc BBS 415-778-5929 | Want to guess how many we'll lose to Mexico?

From -8807997560880383948
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,838af6807c4c6436,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-18 14:17:56 PST
Path: gmdzi!unido!mcsun!sunic!lth.se!newsuser
From: d89mb@efd.lth.se (Magnus Bodin)
Newsgroups: rec.ham-radio

Subject: Really portable (15m-)antenna for QRP field usage.
Summary: QRP, antenna, portable
Keywords: QRP, antenna, portable
Message-ID: <1991Feb18.194938.18268@lth.se>
Date: 18 Feb 91 19:49:38 GMT
Sender: newsuser@lth.se (LTH network news server)
Reply-To: d89mb@efd.lth.se (Magnus SM7TUS Bodin)
Organization: Institute of Tychology, Sweden
Lines: 45

Is there really need for a transmatch if the antenna is optimally made?

And if not:

* Any hints for producing such an antenna for 15 meter? 20 meter?

It should be: (yes, this is a WISH list for santa claus)

* Small when collapsed. It may very well be long when rigged.

* Water persistent

* Be of light weight.

* If possible, not expensive.

* Easy to carry (Falls under point 1)

* NOT necessary better than a dipole, but NOT worser.

I'm going to use it with a 15m QRP TRX while "trekking" and am not very glad to have yagis with me :-)

Any suggestions?

SM7TUS

Magnus

--
Magnus Bodin   "Nec fasces, nec opes,

```
Institute of Tychology,     sola artis sceptra perennant"
Box 5127, 220 05 Sweden     (Tycho Brahe, Stj{rneborg 1584)


From 6166636285928553O9
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc87e0f9340e75c0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-18 15:34:37 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Speed limit for A1A???
Message-ID: <7880441@hpfcdc.HP.COM>
Date: 18 Feb 91 23:34:37 GMT
References: <20226@shlump.nac.dec.com>
Organization: HP Fort Collins, Co.
Lines: 14

|>The FCC regs allow identifying in the 3 specified digital codes:
|>Baudot, M**se, and ASCII.  Can I send M**se at 2.4E6 wpm?  :-)


The rule-of-thumb is that M**se requires approx 4*(wpm) bandwidth.
So, if your channel width is 4*2.4E6 = 9.6MHz, go for it.  :)  :)

>As for speed, when you're doing a QSO in Morse you can go as fast as
>you want.  When you use morse only for ID, you're limited to 20 WPM.
>    paul

Aw heck, that takes all the fun out of it !

Perry / KF0CA


From 8607661634685077076
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5f6f13e987406cb6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-19 10:05:04 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!emory!samsung!umich!
umeecs!msi.umn.edu!cs.umn.edu!kksys!orbit!pnet51!hca
From: hca@pnet51.orb.mn.org (H. Atlas)
Newsgroups: rec.ham-radio
Subject: FT-470 Mod. wanted
Message-ID: <4158@orbit.cts.com>
Date: 19 Feb 91 18:05:04 GMT
Sender: news@orbit.cts.com
Organization: People-Net [pnet51], Minneapolis, MN.
Lines: 9

Would someone please post/re-post the out-of-band UHF modification(s) for
```

the Yaesu FT-470 dual bander? It would be greatly appreciated, and thank you in advance!
-Howard Atlas

UUCP: {amdahl!bungia, crash}!orbit!pnet51!hca
ARPA: crash!orbit!pnet51!hca@nosc.mil
INET: hca@pnet51.orb.mn.org
S.S.D.D.

From -5911671250765066527
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e6b9587708bdd7b5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-19 10:13:31 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!samsung!sdd.hp.com!wuarchive!hsdndev!cmcl2!uupsi!dorsai!bigsteve
From: bigsteve@dorsai.com (steve coletti)
Newsgroups: rec.ham-radio
Subject: Re: FM "intermod alley" (Was - AM clear channels)
Message-ID: <9gomX2w163w@dorsai.com>
Date: 19 Feb 91 18:13:31 GMT
References: <1991Feb12.142355.12533@news.larc.nasa.gov>
Organization: The Dorsai Diplomatic Mission
Lines: 29

> >FM was "intended to be for local use only" as a result of the "CBS Single
> >Market Plan" put forth when the band was moved up from 40 MHz just after
> >WW II. Before the war there weren't many FM stations, but some ran 300 kW ER
> >CBS owned a number of 50 kW AM stations and didn't like the idea of wide-
> >coverage FM stations competing - thus the limit to 20 kW in the Northeast &
> >California. This was later relaxed to 50 kW ERP, but the are of applicabili
> >was expanded to reach to Chicago.
>

You're forgetting that 100KW is the max ERP in most of the country. New York city stations were allowed an increase a few years ago due to the intermod, they effectively have about 70 KW now.

Due to a fire at the Empire State Bldg. two years ago, I was able to pull in Philadelphia during a late spring afternoon on the adjacent channels. It might not seem like such a fete but I am in downtown Manhattan for one, some of the stations were back on from ESB with almost full power from generators AND the stations from the World Trade Center were not effected. I'm closer to the WFC than the ESB and was using Rabbit Ears.

A power failure last year that knocked out the WTC stations, including all VHF and most high power UHF TV, opened up the band so much that a friend in Queens was able to swing his antenna around and pick up stations in Boston, New Hampshire and Maine.

```
#############################################################################
#Steve Coletti A/K/A "BIGSTEVE"  #   Radio Newyork International   #
#UUCP: bigsteve@dorsai.com       #on Shortwave, Sundays via WWCR at#
#PRODIGY: BJJM02A                #  9PM, ET on 7520Khz & Saturdays #
#GEnie: S.COLETTI2               #via RFPI at 5:30PM & Midnight ET #
#Mail: P.O. Box 396, NY, NY 10002#  at @ 21,545, 13,630 & 7375Khz  #
```

##

From 5516338626962810757
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3b4c63412e963e39,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-19 10:39:39 PST
Path: gmdzi!unido!fauern!NewsServ!buettneb
From: buettneb@Informatik.TU-Muenchen.DE (Bernhard Buettner)
Newsgroups: rec.ham-radio
Subject: One of the best ARRL Contests (from DL)
Keywords: Contest
Message-ID: <1991Feb19.180415.6628@newsserv.informatik.tu-muenchen.de>
Date: 19 Feb 91 18:04:15 GMT
Sender: news@newsserv.informatik.tu-muenchen.de
Organization: Technische Universitaet Muenchen, Germany
Lines: 69
Originator: buettneb@gshalle3.informatik.tu-muenchen.de

Hi contesters,

I hope you haven't missed the ARRL DX Contest CW last weekend. It was the best contest I have been on for a number of years. Propagation was absolutely outstanding and so was the activity.

We operated Multi-2 as DL4MCF with DL4MCF, DL5MAE and DL6RAI. We had two setups, both were using K1EA's CT and both of them were connected to each other by cable. This was the first time we did this but most certainly not the last. I have always been wondering about the mystic term "Daisy chain", which is mentioned in the manual. This "Daisy chaining" is used to connect more than two computers. I would like to try run CT in a Multi/Multi environment but I wonder how it works. Any suggestions?

Interesting, how many stations have switched to computer logging in the past two, three years. On CW you can almost always tell, when they other guy is using a computer because there is a short moment of silence when you finish your call to another station. We call it the 'K1EA memorial second'.

We didn't use the computer to key the radio as COM1 was needed to communicate with each other and there is no COM2. After having tried both (comuter keying the radio and myself keying the radio), I must admit that I prefer sending CW from the keyer. I am a little faster with that and I can still finish typing the callsign with the left hand while sending with the right hand.

We worked 46 out of 48 states on 40 meters, which is absolutely fantastic for us. I had never worked more than 40 before, probably because never bofore conditions were like that. The only two we missed on 40 were Idaho and Mississippi. 80 meters was good too, but you can't expect much from a wire up 40 feet maximum. At least we finished W1-4, 8 and 9. Even 160 produced some 47 QSOs, also with that 40 feet high wire. 20 was a little worse, probably because everybody was on the high bands during the daytime and on 40 during the night. We are not that well equipped on that band too. We had a 4el monobander up about 50 feet, too low to be good. It is usually outperformed by the TH6DXX at 70 feet, but that one was used for 10 and 15m exclusively.

Here are the raw QSO numbers:

160m	47
80m	172
40m	~600
20m	~590
15m	~580
10m	~720

A final score of around 2.18M was displayed on the screen, a little over the existing EU record for Multi-2. Hopefully nobody else has entered this class in Europe, hi.

How did you do in the ARRL DX Contest?

BTW, anybody have a mail address from K1EA or can forward a message to him? I have found a few bugs in the non-USA version of CT's ARRL-DX-Contest.

73,

Ben, DL6RAI

From 4031837269221845054
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ffc97b7bd2092677,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,ffc97b7bd2092677,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-02-20 02:23:55 PST
Xref: utzoo sci.electronics:17911 rec.ham-radio:31024
Path: utzoo!utgpu!news-server.csri.toronto.edu!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!wells!alba2l!rescon!bfalcon
From: bfalcon@rescon.UUCP (Bob Falcon)
Newsgroups: sci.electronics,rec.ham-radio
Subject: VHF filter needed
Keywords: Channel 11 (TV) [198-204mHz ??] Filter

Message-ID: <451@rescon.UUCP>
Date: 20 Feb 91 10:23:55 GMT
Followup-To: poster
Distribution: na
Organization: Resurrection Connection BBS, PO Box 531, Bristol, Pa. 19007
Lines: 27

Hello all,

I find myself in need of a filter that will block (Television) Channel
11 [I think the freq. range would be 198-204 mHz].
I used to have a catalog form a company that carried these and other filters,
but I can no longer find it.

Does anyone know of a place that sells these mailorder?
or better yet in the Philadelphia area (to be picked up locally).

But, either way, I'd appreciate if someone could point me in the right
direction for these.

Also, I'm not sure of how many Db of rejection I will need, and any comments
appreciated much.

If you reply to this in sci-electronics or rec-ham-radio PLEASE
ALSO MAIL ME A COPY, as I'm not sure if I will miss it in the newsgroups.

Thanks much! Have a good one.

73, Catchya later, Bob Falcon [Co-Sysop : Turbo 386 Remote Access]
[1:273/906 @Fidonet][(215) 745-9774 HST/DS]
internet: bfalcon@rescon.uucp
uucp: { cdin-1 || dsinc.dsi.com }!alba2l!rescon!bfalcon

From -2075502147182332810
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,118256a8e06dec1a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-20 10:47:18 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!hp-pcd!hplsla!charlier
From: charlier@hplsla.HP.COM (Charlie Panek)
Newsgroups: rec.ham-radio
Subject: N8EMR: Thanks! (ARRL Bulletins)
Message-ID: <5720107@hplsla.HP.COM>
Date: 20 Feb 91 18:47:18 GMT
Organization: HP Lake Stevens, WA
Lines: 18

First of all, I'd like to give a big public Thank You to Gary Sanders, N8EMR for his many posts of useful info over the past years to this group. If you hadn't noticed, Gary has been posting the AMSAT bulletins, and the RTTY bulletins and bulletins from the ARRL to rec.ham-radio. I think he has kept the S/N ratio acceptable here almost single-handedly.

However, (Ah, you knew that was coming!), we haven't seen any ARRL bulletins in quite a while. Gary, what can we do to bribe you into resuming them? I especially miss those DX bulletins, being a DX type myself.

I have also heard that a certain rec.ham-radio regular from the Seattle area is now writing the Propagation forecast bulletins for the ARRL. Perhaps we can convince him to post them here?

73,
Charlie Panek (UUCP: hplabs!hp-pcd!hplsla!charlier)
KX7L   (SMTP: charlier@lsid.hp.com)

From 7660177004119952303
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,74c3e940b5a9b1ae,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,74c3e940b5a9b1ae,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1991-02-20 11:25:42 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!ox.com!umich!umeecs!msi.umn.edu!cs.umn.edu!quest!orbit!kksys!jhereg!andrew
From: andrew@jhereg.osa.com (Andrew C. Esh)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Free Ham Software via ftp
Message-ID: <1991Feb20.192542.4292@jhereg.osa.com>
Date: 20 Feb 91 19:25:42 GMT
Sender: Andrew C. Esh
Organization: Open Systems Architects, Inc., Mpls, MN
Lines: 11
Xref: gmdzi rec.ham-radio:20620 rec.ham-radio.packet:3594

FYI-
I noticed that there is a directory full of ham stuff available via anonymous ftp from apple.com in the directory /pub/ham-radio. It is all Mac software, and includes what appear to be Morse code practice programs, license test drills, and a packet BBS. I haven't unpacket anything yet, so I don't know exactly what it is yet.
--
Andrew C. Esh andrew@osa.com (612)525-0000
Open Systems Architects, Inc.   Minneapolis, MN 55416-1528
Does the universe really exist? Try starting from the opposite assumption and see where that gets you.

From -6005548625056791229
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,838af6807c4c6436

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-20 11:27:44 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: Really portable (15m-)antenna for QRP field usage.
Message-ID: <58130023@hpcupt1.cup.hp.com>
Date: 20 Feb 91 19:27:44 GMT
References: <1991Feb18.194938.18268@lth.se>
Organization: Hewlett Packard, Cupertino
Lines: 16

If the antenna is resonant on the operating frequency it will have a low swr, hence there is no need for a transmatch. Of course, off the chosen frequency the swr will rise and the question is how good of a match do you need?

Certainly a dipole meets just about all the criteria that you list, except for maybe the last one. Does this mean you want gain over a dipole? How about a wire beam? Or how about a loop or quad type antenna. The quad type antenna has a problem of speaders, but the loop could be erected with the use of correctly placed trees. With a loop you will need a transmatch and with a quad you will need some sort of matching network. I would think the dipole a better choice for backpacking.

Regards,
Jim, WA6SDM
holly@hpcupt1.cup.hp.com

From -3139026787431958702
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5f6f13e987406cb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-20 13:27:54 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!samsung!noose.ecn.purdue.edu!eg.ecn.purdue.edu!young
From: young@eg.ecn.purdue.edu (Mike Young)
Newsgroups: rec.ham-radio
Subject: Re: FT-470 Mod. wanted
Message-ID: <1991Feb20.134340.29478@noose.ecn.purdue.edu>
Date: 20 Feb 91 13:43:40 GMT
References: <4158@orbit.cts.com>
Sender: root@noose.ecn.purdue.edu (ECN System Management)
Organization: Purdue University Engineering Computer Network
Lines: 20

In article <4158@orbit.cts.com> hca@pnet51.orb.mn.org (H. Atlas) writes:

>Would someone please post/re-post the out-of-band UHF modification(s) for
>the Yaesu FT-470 dual bander? It would be greatly appreciated, and thank
>you in advance!

I'm an FT470 owner too - I've been under the impression that the 470 *wouldn't do* UHF out of band. If someone knows otherwise, I too would appreciate a post/repost!

>-Howard Atlas

```
--
    |  Mike Young KA9HZE                |       young@ecn.purdue.edu    |
    |  Purdue University EE Dept.       |       ...!pur-ee!young        |
    |  W. Lafayette, IN  47907          |                               |
    ---------------------------------------------------------------------
```

From 1941502451575985761
X-Google-Language: GERMAN,ASCII-7-bit
X-Google-Thread: 10c9e3,bc8e701918783bfb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-20 13:36:39 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!wuarchive!mit-eddie!bloom-beacon!eru!hagbard!sunic!news.funet.fi!funic!santra!hila.hut.fi!kwiik
From: kwiik@hila.hut.fi (Kaj Wiik)
Newsgroups: rec.ham-radio
Subject: AMSAT NEWS
Message-ID: <1991Feb20.082109.18061@santra.uucp>
Date: 20 Feb 91 08:21:09 GMT
Sender: news@santra.uucp (Cnews - USENET news system)
Reply-To: kwiik@hila.hut.fi (Kaj Wiik)
Organization: Helsinki University of Technology, FINLAND
Lines: 303

SB SAT@AMSAT < W3IWI $ANS-047.01
LUSAT UPDATE
R:910217/1718z 43799@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

HR AMSAT NEWS SERVICE BULLETIN 047.01 FROM AMSAT HQ
SILVER SPRING, MD FEBRUARY 16, 1991
TO ALL RADIO AMATEURS BT

LO-19 BBS Now On-line

At 16 FEB 91 3:13:55 UTC, the LUSAT command stations completed the loading of the file system and BBS. The entire load was handled by LU stations, and the first uploaded message is from Dr. Carlos Saul Menem, LU1SM, President of the Argentine Republic. This brings all three of the "Pacsat Protocol" spacecraft on line, a total of 20 MB of "rotating storage".

Following was downloaded from LO-19:

LUSAT BBS is available!
Finally, all the tests have been completed in LUSAT, and the BBS is available for use by worldwide radio amateurs.
To access LUSAT with PG the PG.CFG file must have the following lines:

```
ao16access 30660   (same as used for PACSAT)
bbscall lusat-12
bdcstcall lusat-11
```

The rest of the commands on PG.CFG are the same as used for PACSAT.
We invite you PACSAT users to join us on LUSAT, and wish you all a lot of fun using this little bird.

73, Marcelino - LU7DSU
AMSAT Argentina - LUSAT Engineering Group.

[ANS thanks Harold Price, NK6K, for the information for this bulletin]

/EX
SB SAT@AMSAT < W3IWI $ANS-047.02
MICROSAT UPDATE
R:910217/1718z 43800@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

HR AMSAT NEWS SERVICE BULLETIN 047.02 FROM AMSAT HQ
SILVER SPRING, MD FEBRUARY 16, 1991
TO ALL RADIO AMATEURS BT

WO-18 reloaded, TNC Bug Discovered

Chris Williams, WA3PSD, of the WEBERSAT Engineering Team reports that WO-18 was blown back to MBL during commanding earlier today. With the generous help of the microsat command team, the reload is in progress. They expect to be shooting pictures again by early next week.

Bob McGwier, N4HY, reports that by modifying the Phase Set Point parameter on LO-19, significant improvement to the eye pattern and I/Q channel separation was realized. During the next Wednesday's Experimenters day (20 February 91), provided that there are no other higher priority commands which must be issued, Bob plans to modify the Phase Set Point on PACSAT.

There have been some reports that the new version of PG.EXE does not work well with AEA TNCs. Bob McGwier has come up with the winning combination of parameters to make the two play together (nicely):

Place the following commands in PG.TNC:

```
     MON 4
     MTO yes bbstat
     MFROM off
```

and put the following in PGDONE.TNC to restore things

```
     MTO all
     MFROM all
```

/EX
SB SAT@AMSAT < W3IWI $ANS-047.03
RUSSIAN SATELLITE UPDATE
R:910217/1718z 43801@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

HR AMSAT NEWS SERVICE BULLETIN 047.03 FROM AMSAT HQ
SILVER SPRING, MD FEBRUARY 16, 1991
TO ALL RADIO AMATEURS BT

RS 12/13 to turn on soon, Software bug keeping AO-21 silent

The newly launched Russian satellite, RS-12/13, is scheduled to become operational in the 20-22 February time frame. If you are not already aware, RS12/13 is piggyback on COSMOS-2123 NAVSAT. The Soviet Space Agency is completing their final checkout of the COSMOS satellite and has requested that the Amateur Satellite not transmit during this time.

There was a brief initial checkout of the RS-12 beacon, robot and transponder immediately after launch and all seemed fine. Once testing on COSMOS-2123 has been done, it is expected that RS-12 will be become operational and final testing of RS-12/13 will be completed.

The transmitters for AO-21/RM1 remain turned off since a command station software problem was discovered. It appears that both satellite transmitters are turned on when the command for a single transmitter is issued. It is expected to take a few additional weeks to resolve this problem.

[ANS thanks Ray Soifer W2RS, and Pat Gowen, G3IOR for the information for this bulletin]

/EX
SB SAT@AMSAT < W3IWI $ANS-047.04
SIXTH ANNUAL AMSAT-UK COLLOQUIUM
R:910217/1718z 43802@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

HR AMSAT NEWS SERVICE BULLETIN 047.04 FROM AMSAT HQ
SILVER SPRING, MD FEBRUARY 16, 1991
TO ALL RADIO AMATEURS BT

AMSAT-UK Sponsors 6th Annual Satellite Colloquium at U. of Surrey.

AMSAT-UK is sponsoring a symposium focused on all OSCAR satellites and digital communications. Questions & Answer sessions with various Amateur Satellite experts are planned as are tours of the UoSat command station. As in years past, the University of Surrey will be the meeting place for this colloquium. The following is the preliminary "line-up" of programs planned for the week of July 25-28:

```
     Thursday  July 25th:     International Satellite Day
     Friday    July 26th:     Satellite Sessions
```

Saturday July 27th: Satellite Sessions
Sunday July 28th: Satellite Sessions

For more details on the symposium, contact:

Ron Broadbent, G3AAJ
94 Herongate Road
Wanstead Park
London E12 5EQ England

Tel: 081-989-6741
Fax: 081-989-3430 (24 Hours)

Note that the telephone code for AMSAT-UK has changed. From the United States to call AMSAT-UK replace the 081 prefix with 011-44-81. Contact your long distance carrier for their international dialing instructions.

Check with your travel agent as soon as possible as many of the Airlines are offering very favorable rates to Europe.

Stay tuned to the AMSAT News Service for more details.

[ANS thanks Ron Broadbent, G3AAJ, and Eric Cottrell, WB1HBU, for the information for this bulletin]

/EX
SB SAT@AMSAT < W3IWI $ANS-047.05
OPERATIONS NET SCHEDULE
R:910217/1718z 43803@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

HR AMSAT NEWS SERVICE BULLETIN 047.05 FROM AMSAT HQ
SILVER SPRING, MD FEBRUARY 16, 1991
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule

AMSAT Operations Nets are planned for the following times.Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date	UTC	Mode	Phs	NCS	Alt.	U.S. day
24 Feb 91	0500	B	115	WB6LLO	N5BF	Saturday
02 Mar 91	1400	B	209	WB9ANQ	KA5SMA	Saturday
10 Mar 91	0315	J/L	166	WA5ZIB	WD0E	Saturday
17 Mar 91	0400	B	100	N5BF	WB6LLO	Saturday
23 Mar 91	1400	B	216	KA5SMA	WB9ANQ	Saturday

The Operations Net features guest speakers approximately every other week to provide up-to-the-minute information on topics of interest to various sorts of satellite users. Watch ANS for information on guest speakers and topics. On the 24 Feb 91 session, Eric Rosenberg, KD3Q, will be talking about his satellite DXpeditions and AMSAT electronic mail issues.

WA3NAN, the Goddard Space Flight Center radio club retransmits the Mode J/L (Mode B nets will not be retransmitted at this time) AMSAT Operations Nets on 147.450 FM for the Washington DC area amateur community. Questions from listeners can be patched from the club repeater (146.835 -) to AO-13 for the net.

For information on the amateur satellite program and how you can participate, contact AMSAT-NA Headquarters at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062, or contact your local AMSAT Area Coordinator.

/EX
SB SAT@AMSAT < W3IWI $ANS-047.06
AO-13 TRANSPONDER SCHEDULE
R:910217/1718z 43804@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

HR AMSAT NEWS SERVICE BULLETIN 047.06 FROM AMSAT HQ
SILVER SPRING, MD FEBRUARY 16, 1991
TO ALL RADIO AMATEURS BT

End of Eclipse Period Marks return to Original Winter Schedule

AO-13 TRANSPONDER SCHEDULE

```
  Mode-B : MA 000 to MA 165 |
  Mode-JL: MA 165 to MA 190 |
  Mode-LS: MA 190 to MA 195 |
  Mode-S : MA 195 to MA 200 | <= Mode B is Off - no swishing!
  Mode-BS: MA 200 to MA 205 | <= QRP on BS please.
  Mode-B : MA 205 to MA 256 |
  Omnis  : MA 240 to MA 060 |
```

This schedule is expected to continue through 27 March 91

The command team requests that you make a specific effort to use QRP on Mode between MA 200 to 205. This is specifically to help those people who are experimenting with Mode S.

The spacecraft attitude for AO-13 is:

BLON = 209.5 and BLAT = 0.7 for 31 December 90

AMSAT-OSCAR-10 appears to be receiving sufficient solar panel illumination to support Mode-B transponder operations. The transponder may be used, carefully, at all points of the orbit except MA 254 - 006 when eclipses occur.

If beacon or transponder signals show signs of FMing, users should cease all transponder use immediately. An APPROXIMATION of the spacecraft attitude for AO-10 is :

```
               BLON = 357    and  BLAT =  3.0  for 9 February 91

/EX
SB  RS12@AMSAT < UK3R   $072101RK3KP
rs12/rs13 info
R:910216/0059z 43329@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]
R:910210/1614z 43094@4X1RU.ISR.EU
R:910209/1123z @:I5SGG.#FI.ITA.EU BID:072101RK3KP
R:910208/1946Z @SV1IW.ATH.GRC.EU #8969 [*Euro<>Asia* LINK - FBB5.11]
R:910208/1710 @:PA0SCH.NLD.EU Europe Asia Africa Link #:28348 Z:
R:910208/1036Z @SM5BKI.C.SWE.EU #16228 [BALSTA - FBB5.11d]
R:910208/0657z @DK0MWX [Langenfeld JO31LC, DL-VHF><HF-Port 20m OP:DL1WX]
R:910207/1021z @RK3KP  [NORD><LINK MOSCOW, TheBox 1.6 OP: RA3APR]

de UK3R @ RK3KP
```

de UW3AX

"Cosmos-2123" navigational sattelite with RS12/RS13 transpoders
on the board was launched on February, 5, 1991 at 2.36.45 UT.
Preliminary orbital data: apogee - 1019.319 km, perigee -
960.638 km, inclination - 82.9293 degrees, period - 105 min, EQX
- 4 h 01 min 36 sec at 6.84 degrees east.

On February, 6 the Command station RS3A checked operation of
RS12 and find that everything is OK. Checking of RS13 was
postponed until February, 21 on the request of "Cosmos-2123"
main users.

Boris Stepanov, UW3AX @ RK3KP
"Ham in the Space" (USSR) project coordinator

7.02.91

```
/EX
SB  MIR@AMSAT < UW3AX  $112103RK3KP
u-mir qsl
R:910216/0100z 43364@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]
R:910213/1809z 43975@4X1RU.ISR.EU
R:910212/0830z @HB9GL  [USKA Sektion Glarus, TheBox 1.6 [Sysop HB9CXN]]
R:910212/0814Z @DB0KCP [Langerringen FI64c Sysop DL4MEA & DL9MCK]
R:910212/0808z @DB0CZ  [Deisslingen JN48HD TheBox 1.6b  OP:DK5TB]
R:910212/0904l @DB0FRB [FREIBURG (FPRG) JN37WX DB 1.8 OP:DG7GF  ]
R:910212/0746z @DB0GE  [BBS Saarbruecken]
R:910212/0742z @DB0LJ  [TheBox<->TCP/IP Mittelrhein, JO30QJ, Op:DL5DI]
R:910212/0735z @DB0IZ  [Solingen, JO31NE, Op: DG2EAT]
R:910212/0728z @DK0MWX [Langenfeld JO31LC, DL-VHF><HF-Port 20m OP:DL1WX]
R:910211/0740z @RK3KP  [NORD><LINK MOSCOW, TheBox 1.6 OP: RA3APR]
de UW3AX @ RK3KP
```

de UW3AX @ RK3KP

Both voice and packet QSO's made by Soviet spase station "MIR" current crew (U2MIR and U9MIR) can be confirmed by UW3AX. The address is: Boris Stepanov, P.O.Box 679, 107207 Moscow, USSR. For direct reply please enclose SAE plus IRC's or equivalent. Please also have patience: no QSO comfirmattion can be made before current crew will be back on the Earth (the expected month is May).

All QSL's for previous U-MIR activity has been filled and sent before March last year. This aplies only for those who sent QSL to U-MIR. They were only some 25 % of logged contacts. UW3AX has U-MIR logs for previous missions in hands and can confirm QSO's.

73 de Boris Stepanov, UW3AX

11.02.91

/EX

From -7623930658623656793
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc87e0f9340e75c0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-20 14:13:44 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!spool.mu.edu!samsung!usc!zaphod.mps.ohio-state.edu!lavaca.uh.edu!menudo.uh.edu!lobster!urchin!f8324.n106.z1.fidonet.org!Christopher.Boone
From: Christopher.Boone@f8324.n106.z1.fidonet.org (Christopher Boone)
Newsgroups: rec.ham-radio
Subject: Re: Speed limit for A1A???
Message-ID: <7861.27C25B0D@urchin.fidonet.org>
Date: 20 Feb 91 06:19:44 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8324 - Far Point Relay Ham, Katy Tx
Lines: 33

** Quoting MUNTS PHILLIP A to All **
>Newsgroups: rec.ham-radio
>
>
>   Here's one for all you armchair lawyers. I am building
>a box that will
>bridge between a PC LAN (Arcnet) and high speed packet radio.
> The radio end
>will NOT be AX.25. (Or at least not limited to AX.25) The
>question is how to
>identify. The FCC regs allow identifying in the 3 specified
>digital codes:
>Baudot, M**se, and ASCII. Can I send M**se at 2.4E6 wpm?
>:-) (Another more

>serious possibility would be to drop an AX.25 UI frame in the
>outgoing stream
>every 10 minutes, etc.)

** End of Quote **
One: the bridge MUST NOT be under automatci control..ANY messages over amateur radio MUST be screened before transmitting!!!!!
Two: FCC PArt 97 sets a maximum speed for stations using automatic CW ider's at 20wpm....sorry, I dont have my rule book handy but it's in there...oh here it is! 97.119 (b)(1) sets the code speed for automatic CW id at 20wpm for all stations!
It doesnt take an armchiar lawyer to read the Part 97 and understand them....In fact YOU are suppossed to possess a current copy of Part 97 in your shack and have read it before operating!
FCC Rule Book published by ARRL is cheap and has complete rules and regs in it as well as plain English answers on rules questions.....
I would suggest you buy one and get to know the rules..

73
Chris WB5ITT

From 9075929827216629408
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10fe4c,ea0b527e1b94dc6c,start
X-Google-Attributes: gid10fe4c,public
X-Google-Thread: 10c9e3,ea0b527e1b94dc6c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1046d5,ea0b527e1b94dc6c,start
X-Google-Attributes: gid1046d5,public
X-Google-Thread: ffe14,ea0b527e1b94dc6c,start
X-Google-Attributes: gidffe14,public
X-Google-ArrivalTime: 1991-02-20 14:25:57 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!ohstpy!miavx1!bynum
From: bynum@miavx1.acs.muohio.edu
Newsgroups: alt.activism,alt.bbs,alt.censorship,rec.ham-radio
Subject: Data Packet Radio Might be Censored After FCC Citation
Message-ID: <3897.27c1abc3@miavx1.acs.muohio.edu>
Date: 20 Feb 91 03:50:43 GMT
Lines: 54
Xref: gmdzi alt.activism:6879 alt.bbs:2818 alt.censorship:387 rec.ham-radio:20594

Packet Radio May be Censored After FCC Citation

Strange Way to Note Present's Day, 1991. Wasn't It?

By Frank Bynum [*]

In various groups on UseNetNews there have been discussions by people anxious to see that actions which hinder the free flow of ideas be overcome. A news item was seen to run on CNN which should raise concerns about this matter. Approximately 6 pm EST, Mon 18 Feb., 91, on CNN shown in Oxford OH (near Cincinnati), a report aired about a potentially controversial citation issued by FCC enforcers.

The report was preceded by a teaser before the commercial. 'We will show you', said the anchor person, 'a case where a ham radio operator has gotten into trouble over the Gulf War . . . '

The person who was the focus of the report operated a system for data packet radio relay. He was a Ham radio hobbyist. His system incorporated a desk top computer, specialized software, and radio reception/ transmission equipment. Stations of this type will pick up and then rebroadcast messages. It can work as a "broadcast" mode, using techniques similar to the ones on which cellular telephones are based. A piece of information from one station can be thus rapidly and widely disseminated. Between 10 and 100 messages per day may pass through such a station.

The problem is that he has been issued a citation charging him of violating the terms for his kind of ham broadcasting license. The FCC officials claim that he is not complying with the clause which does not permit any "business use" of that kind of service. The charge cites the fact that his ham station rebroadcasted a particular text message. (He was hot the originator of the message.)

This message requested its readers phone a number, something like 900/oil-peac (a guess, since notes weren't taken). It said that then callers could listen to a taped message about the need for the USA to stop fighting in the Persian Gulf. And, being a 900 number, the fee for the call would be used toward meeting the expenses of the peace group involved.

So, at issue, should the carrying of a message on this man's equipment, which some one else originated, be construed as 'business use' rather than 'hobby use', in that it carried information which would 'serve to promote the financing of a given Cause'? If the charge is upheld, to what degree may it damage to a trend in which rights of personal expression have been assisted by PC communications proliferation?

Are Sysops going to be allowed to act simply as 'common carriers' with liability to rest with only message authors? Much traffic can flow in channels which are automated, involving only minimum intervention by human managers. Much less volume would flow if slowed by the requirement that, in order to avoid penalties, each intermediate sysop had to inspect any and all communications (s)he would pass on to others, not forwarding what there may be any doubts about.

Notes

[*] composed Am! Tues. 2-19-91, for UseNet News, Fosfax, and folks known through e-mail

From -4070773572504618354
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11eae3b335146bd1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-20 14:26:03 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!ohstpy!miavx1!bynum
From: bynum@miavx1.acs.muohio.edu

Newsgroups: rec.ham-radio
Subject: re: data packet radio might be censored after ftc citation
Message-ID: <3898.27c1b4c8@miavx1.acs.muohio.edu>
Date: 20 Feb 91 04:29:12 GMT
Lines: 23

From: Frank Bynum <Bynum@miavx1.acs.muohio.edu>
dat; pm tues.2-19-91
to; readers on usenet news, rec.ham-radio
Re: Packet Radio May be Censored After FCC Citation

The cited article was posted to other groups too. But this follow up is forwarded to rec.ham.radio UseNet News.

In original article, <message 3897.27c1abc3@ . . .> F.A.B. <Bynum@miava1.acs.muohio.edu> writes:

> In various groups on UseNetNews there have been . . .
> [stuff about a ham's problems with FCC over content of message
>forwarding]

I would not presume to do the equivalent of instructing grand parents how to suck eggs. (I am not yet a ham. But the data communications capabilities in the cited report might aid my future needs.) Hope this hasn't been previously talked to death in this group.

Lobby hard now. Your influence in favor of asserting broad interpretations of individuals' rights may help.

-Frank B.

From 81715699223424853
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f8833e59f0c2734a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-20 14:32:08 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!samsung!sdd.hp.com!usc!jarthur!ucivax!orion.oac.uci.edu!ucsd!pacbell.com!tandem!netcom!edg
From: edg@netcom.COM (Ed Greenberg)
Newsgroups: rec.ham-radio
Subject: Re: Magazines
Message-ID: <24749@netcom.COM>
Date: 20 Feb 91 05:02:20 GMT
References: <memo.754505@lynx.northeastern.edu>
Organization: Netcom - Online Communication Services UNIX System {408 241-9760 guest}
Lines: 47

In article <memo.754505@lynx.northeastern.edu> sehrlich@lynx.northeastern.edu writes:

>I'd like to take a pole of which ham radio magazines people on this
>journal subscribe to, and why.

```
 ______________________________________________________________________________
O______________________________________________________________________________O

|----------------------------------10'-----------------------------------------|
```

Here's a pole for you. :-)

Now, I subscribe to QST, 73, CQ and Worldradio. They're all different and therefore all valuable in their own right.

QST: ARRL propaganda, some good projects, lots of news and reference items. The mother lode of ads.

73: Wayne's propaganda, some good projects and news, a refreshing view, an irreverent view.

CQ: Traditionally a contester/dx'er's rag, CQ bought the Ham Radio subscription list last year when Ham Radio went to that great shack in the sky. Ham Radio was traditionally an experiment and construction rag, and we have yet to see whether CQ will keep this alive.

Worldradio: A newsprint monthly. About 32 pages. Some news articles and a continuing series of columns on various Ham Radio related topics.

Wayne always bitches that QST gets the lions share of the advertising, and from examining the other pubs it seems to be true. I think it's important to take at least one of the others, since they provide a counterpoint to the league viewpoint. I'd like to see some of the advertising dollar get spread around rather than having so much of it go to Newington, but only subscriptions will help that.

73 is probably the most all-around magazine, if you can handle "The Carmudgeon". CQ is very fine if you work lots of HF. Less so for VHF/UHF, etc.

Worldradio, at $13/yr, is an easy one to take and provides yet another look at what's going on.

Enjoy.
--
Ed Greenberg, WB2GOH/6
San Jose, CA
edg@netcom.COM

```
From -1439445167745308050
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2a7d35e3547d01a7,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,2a7d35e3547d01a7,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1991-02-20 14:38:55 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-
```

state.edu!pacific.mps.ohio-state.edu!linac!midway!ellis.uchicago.edu!gary
From: gary@ellis.uchicago.edu (gary buchholz)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Seeking Packet<-->Internet Gateway
Message-ID: <1991Feb20.020404.24416@midway.uchicago.edu>
Date: 20 Feb 91 02:04:04 GMT
Sender: news@midway.uchicago.edu (News Administrator)
Organization: University of Chicago
Lines: 22
Xref: gmdzi rec.ham-radio:20597 rec.ham-radio.packet:3586

I posted this question to a bunch of packet radio BBS systems but no answers....

Q. Are there any Packet<->Internet gateways around such that I can
    route mail between a packet station and TCP/IP-Internet-SMTP ?

    Basically, I want to exchange mail between addresses like
     gary@midway.uchicago.edu

    and a packet station like
     ke9zm@wb9mjn.il.usa.na

A. ?

Thanks,
  Gary
--
Gary Buchholz / KE9ZM   Internet: gary@midway.uchicago.edu
University of Chicago   Packet: KE9ZM@WB9MJN.IL.USA.NA
Academic and Public Computing
1155 East 60'th St., Chicago, Ill.   (312) 702-7611

From -4727138556179698148
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aad30d5c7ac2739e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-20 16:15:45 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!magnus.ircc.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!sjevm5.iinus1.ibm.com!abramsc
From: abramsc@sjevm5.iinus1.ibm.com ("Clay Abrams")
Newsgroups: rec.ham-radio
Subject: Numbered Lady on 30 Meters
Message-ID: <9102210052.AA13038@ucsd.edu>
Date: 21 Feb 91 00:15:45 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10

Ref: Info-Hams Digest V91 #178 (Item 10)

Monitoring Times also had a story on this subject. The author of the article
tracked down the transmitter to a US military base in Va. Somehow, they
determined a CIA connection. I don't remember the exact year or issue
but it should be easy to find. Monitoring Times has a number of articles
of this type. Some of the authors of these articles work for the CIA
and they use code names.

Clay Abrams K6AEP - San Jose

From -6400081411599379367
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f65ce34a752564f0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-20 19:09:13 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!wuarchive!psuvax1!hsdndev!cmcl2!lanl!stevens@mpx1.lampf.lanl.gov
From: stevens@mpx1.lampf.lanl.gov (Stevens, Thaddeus C.)
Newsgroups: rec.ham-radio
Subject: fast food freqs
Message-ID: <15267@lanl.gov>
Date: 21 Feb 91 03:09:13 GMT
Sender: news@lanl.gov
Reply-To: stevens@mpx1.lampf.lanl.gov
Distribution: rec
Organization: LAMPF Data Analysis Center, Los Alamos, New Mexico
Lines: 5

Some time ago someone posted some freqs that are used by fast food
joints. Does any one happen to have that info in their files somewhere ?

Thanks,
THad

From 414671927895667608
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,694435d2be5c00c4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-20 19:41:51 PST
Path: gmdzi!unido!fauern!ira.uka.de!math.lsa.umich.edu!zaphod.mps.ohio-state.edu!lavaca.uh.edu!menudo.uh.edu!lobster!urchin!f8324.n106.z1.fidonet.org!Christopher.Boone
From: Christopher.Boone@f8324.n106.z1.fidonet.org (Christopher Boone)
Newsgroups: rec.ham-radio
Subject: Re: Playing music over ham radio
Message-ID: <7883.27C3A40A@urchin.fidonet.org>
Date: 21 Feb 91 03:41:51 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8324 - Far Point Relay Ham, Katy Tx
Lines: 26

** Quoting steve coletti to All **
 >
 >You're not transmitting the music, the repeater is! Unless
 >they've
 >really changed the law in 25 years, (when I was in a radio
 >club, but never
 >got my ticket), if you've done everything to prevent transmitting
 >music
 >but somehow something gets in the background you're really
 >ok if you
 >keep the xmish short or attempt to squelsh it. LOOSE interpretation.
 >
 >##
** End of Quote **
The rule Part 97.113(4)(d) states " No station shall transmit music, ..."
the law says NO station.....that includes repeaters! and it DOESNT give you
enough leeway in the example the person who originally asked to allow music on
hold on a rptr! the trustte or control op of a rptr MUST terminate ANY
transmission that violates Part 97...

FCC Part 97

READ them, KNOW them, FOLLOW them!!!!!!!!!!

73
Chris, WB5ITT

From 2993732616610252176
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4f1906bbe827490,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-20 20:58:44 PST
Path: gmdzi!unido!fauern!ira.uka.de!math.lsa.umich.edu!zaphod.mps.ohio-state.edu!samsung!umich!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.ham-radio
Subject: Re: Extend Cordless Phone Range?
Message-ID: <1991Feb21.045844.2001@lopez.UUCP>
Date: 21 Feb 91 04:58:44 GMT
References: <9102180811.AA28289@ucsd.edu>
Organization: Great White North/UPLink
Lines: 67

In article <9102180811.AA28289@ucsd.edu> JSDCF2@ALASKA.BITNET ("Duncan C. Fowler, JSDCF2") writes:

>I have just recieved a AT&T cordless phone and am interested in extending
>it's range by using a better antenna on the base unit or whatever.
>Does anyone have any suggestions??

Allow me to be the 100th person to say: Such a modification to a cordless phone is ILLEGAL. These devices operate under part 15 of the FCC rules, which have very stringient rules for power and antenna. If you extend the range of your cordless phone in the manner described you will be in violation of FCC regulations.

Now that I have said this, let me say something else.

Go ahead and put it on a big beam antenna. This way your neighbors for several miles will hear your conversations more clearly on their scanners. And YES trust me, within the range of your UNMODIFIED cordless phone there are probably several DOZEN people with scanners who will be enjoying your conversations.

I am continually amazed that people who own these things do not realize that a cordless phone is a RADIO TRANSMITTER that clearly sends both sides of the conversation over a much greater distance than you might think.

I have heard conversations from over three miles away. Of course I have a VERY good receiving antenna (a Motorola Monitenna) on a 40 foot tower, and it plays like a banshee.

You would ALSO be amazed at the stuff to be heard. JUST AMAZED. Better than ANY soap opera.

OK folks. Come clean. How many of YOU have the 46 mhz phone frequencies punched into YOUR scanner.

Heck. I have one scanner that has ONLY those frequencies in it. What better use for a ten channel scanner without the 800 mhz band! Just let it run all day.

Now. Who will admit that they not only listen to these conversations, but that they LOG them. I have often thought of a CERTIFICATE for the dedicated cordless phone monitor. You get multipliers for names, addresses and phone numbers of the people you hear (when they order a pizza you can score these easily).

Add 100 points for a girl crying because her boyfriend is leaving. 500 points if it is a GUY doing the crying. 1000 points for each drug deal you monitor.

I have heard all the above and MORE.

Yeah. Go for it Duncan.   Go get that cordless phone of yours ENERGIZED with a really GOOD antenna.

And point it EAST.

I might just be able to HEAR *YOU*.......

(please send all "sick sick sick" flames to alt.dev.nul)

```
--
=Marquette MI: It's Not the END of the world, but you can see it from here=
==  Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash)  GWN UPLink  ==
==  3.950  Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================


From 3698961586208172718
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55f685eece7c9871,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-21 06:00:20 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-
state.edu!lavaca.uh.edu!menudo.uh.edu!lobster!urchin!f8324.n106.z1.fidonet.org!
Christopher.Boone
From: Christopher.Boone@f8324.n106.z1.fidonet.org (Christopher Boone)
Newsgroups: rec.ham-radio
Subject: Re: Shuttle Audio Questions
Message-ID: <7884.27C3E9D8@urchin.fidonet.org>
Date: 21 Feb 91 14:00:20 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8324 - Far Point Relay Ham, Katy Tx
Lines: 34

** Quoting Stephen Look to All **
 >scheduled for around March 9 and is a test of some SDI components.
 >Will
 >there be NASA Select coverage for this flight? We have been
 >transmitting
 >the audio of the shuttle on two meters for the last few flights.
 >The prime
 >mover of this effort has asked me to ask the net about a concern
 >of his.
** End of Quote **
Yes there will be audio and video! The flight is NON-classified DOD which
means they just wont talk about the tests on the audio link!
But there will be flight audio and video!
** Quoting Stephen Look to All **
 >There is a segment on NASA Select called 'The Frank Six Show'
 >which plays
 >music during some portions. He is wondering if the retransmission
 >of this
 >music is covered under the agreement between hams and the FCC
 >about the
 >retransmission of NASA Select. Thanks in advance for any help.
 >--
** End of Quote **
As the waiver from the FCC is read, you are RETRANSMITTING their signal...A
FCC engineer at Houston said the waiver allows you to retransmit NASA
audio...if THEY transmit music then YOU CAN rtetransmit them....BUT I think
you have to look at the source..if it's audio to/from the shuttle, that's fine
but audio of a news program, etc NOT carried to/from the shuttle MIGHT not be
```

OK!!! NASA has several audio loops, one of which carries shuttle audio ONLY!!
I think it is on a different subcarrier on NASA select..you may wish to check
into this (Alsoremember you MUST have NASA's permission to carry the audio!)

73
Chris WB5ITT

From 1087353799296221821
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a73f9ff31cee2388,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-21 06:21:35 PST
Path: gmdzi!unido!fauern!ira.uka.de!math.lsa.umich.edu!zaphod.mps.ohio-state.edu!think.com!snorkelwacker.mit.edu!shelby!unix!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Modifications to Extra Class Written Exam
Message-ID: <7880443@hpfcdc.HP.COM>
Date: 20 Feb 91 17:48:46 GMT
References: <13167@hubcap.clemson.edu>
Organization: HP Fort Collins, Co.
Lines: 20

>As a result of the changes to the Technician class license, some of the
>questions in the Extra class written pool (Element 4B, particularly in
>subelement 4Ba-7) are no longer correct as shown in the ARRL Extra Class
>License Manual dated for exams given on or before October 31, 1991.
>
>Anyone who knows this for certain (VE's) please PLEASE let me know...
>two other hams I know are also wondering about this. Please e-mail, and
>I will summarize for the net. Thanks!!
>
>73 de BJ, KM4RB
>(hopefully, soon to be /AE)

Since you know the answer both ways, if the question appears on your exam, just ask which way the VE wants it answered - pre 2/14/91 or post 2/14/91. I passed the test before 2/14/91, so I didn't have to deal with this distractor. (and yes, it was too easy.) Now, if I can just pass the code test...

Perry / KF0CA
(also soon to be /AE)

From 4210727541817103404
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4665cd01fdd2263,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-21 06:21:35 PST
Path: gmdzi!unido!fauern!ira.uka.de!math.lsa.umich.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!spool.mu.edu!snorkelwacker.mit.edu!shelby!unix!hplabs!hpda!hpcuhb!

hpindda!deepak
From: deepak@hpindda.cup.hp.com (Deepak Sabnis)
Newsgroups: rec.ham-radio
Subject: Re: Antenna Question - Please Help
Message-ID: <5120017@hpindda.cup.hp.com>
Date: 20 Feb 91 22:08:33 GMT
References: <5120016@hpindda.cup.hp.com>
Organization: HP Information Networks, Cupertino, CA
Lines: 28

A lot of people responded to my plea for help. Here is a summary of what I received (I have summarized the mail I got).

1. Insulation makes no difference for HF band frequencies. In fact it may be good to avoid accidental contacts to metal or ground.

2. If the front end of the set is not too sophisticated, an external antenna may over load it and hence do no good.

3. The external antenna can still be useful in attempting to receive weak stations. The idea is to use the external antenna far away from house hold sources of noise (which are picked up by built in antenna). Compensate for the overloading caused by the external antenna by reducing the RF gain of the set (my set has a knob to do just that). Hopefully, the reduction in noise will help me listen to the weak stations.

4. Use antenna tuners.

5. If the set is a cheap set (under $500.00 - like mine is), external antenna will not help a whole lot.

Thanks to all those who responded.

73 de KC6ESR

Deepak S. Sabnis
deepak@hpda.hp.com

From -2591959953752124372
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,684523a062194a7a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-21 07:28:49 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!samsung!usc!wuarchive!hsdndev!bbn.com!nic!bunny!dhp1
From: dhp1@gte.com (Dave Pascoe)
Newsgroups: rec.ham-radio
Subject: 75 ohm matching section for HF6V???
Message-ID: <10644@bunny.GTE.COM>
Date: 21 Feb 91 15:28:49 GMT
Organization: GTE/SCSD, Needham Heights MA

Lines: 14

Would someone please e-mail me the *electrical* length for the 75 ohm matching
section on a Butternut HF6V vertical antenna. If you don't know what the
electrical length is just measure the physical length and tell me what kind
of coax it is (probably RG-11/U or something)....

I need to make a section up by tomorrow....leaving Saturday for a trip and
realized that the matching section is missing...

Thanks
--
Dave Pascoe | Internet: dhp1@gte.com
GTE/SCSD | UUCP: ...!{harvard}!gte.com!dhp1
KM3T | Packet Radio: km3t @ ka2qhd.nj

From 8645206599812539294
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d03e20086fae61bb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-21 11:13:44 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!lavaca.uh.edu!menudo.uh.edu!lobster!urchin!f8324.n106.z1.fidonet.org!Christopher.Boone
From: Christopher.Boone@f8324.n106.z1.fidonet.org (Christopher Boone)
Newsgroups: rec.ham-radio
Subject: Re: TS-440S computer interface
Message-ID: <7885.27C43590@urchin.fidonet.org>
Date: 21 Feb 91 19:13:44 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8324 - Far Point Relay Ham, Katy Tx
Lines: 38

** Quoting C.E. Piggott to All **
 >TS-440S
 >computer interface again, and I LOST THE LIST OF COMMAND CODES
 >that get
 >sent to and from the tranciever, to make it talk to the computer.
 > Would
 >somebody please e-mail it to me. (I'll accept "metoo's" and
 >re-send).
 >
 >Looking further, I found that the IC kit that Kenwood sells
 >for abt. $60.00
 >consists of an 8251 and a 4000 series CMOS part -- a total
 >whopping $3.00
 >in parts. The IF-232 line level interface, I imagine, is a
 >max232, which
 >is a $5.00 part and would be trivial to fabricate. I'm curious,
 >though,
 >if anybody knows any details on this IF-232, like where it

>gets its power
>from (is it on the connector on the back of the rig?). The
>IF-232 is
>around $100, but you could (again) build one for a few dollars
>(less
>than ten including connectors) in parts.
>
>Thanks in advance to anybody who can mail the 440 command set
>to me, or
>at least point out where I can ftp it from.
>
** End of Quote **
Hey Chris! Give me a FAX number and I'll fax you the whole book! You are correct on the cost of parts, and power is gotten from the rig though for different rigs, the interface voltage is different...(the C version doesnt use an onboard regulator as the B and A models do!)..I have one installed in my TS680 and have the complete codes and schematic!
73
Chris WB5ITT
(409)760-7400 days/wrk

From 539891566662088782
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,838af6807c4c6436
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-21 15:44:44 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Really portable (15m-)antenna for QRP field usage.
Message-ID: <7880444@hpfcdc.HP.COM>
Date: 21 Feb 91 23:44:44 GMT
References: <1991Feb18.194938.18268@lth.se>
Organization: HP Fort Collins, Co.
Lines: 14

Re: 15m QRP hiking antenna

I'd use a resonant wire dipole, made out of #24 (or smaller) wire. If you hike above treeline, take along some fiberglass support rods, insulators, and guys. RG174/U (the thin stuff) would be lighter than RG58/U, and the loss wouldn't be much more for a really short run. All this would coil up into a small bag, and should weigh a couple kilograms.

If you really wanted to match the SWR to 50 ohms, you could build a matching section from 300 ohm TV twinlead. However, dipole impedance varies quite a bit, depending on height and nearby objects.

Perry / KF0CA

From 7538173081588048928
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10fe4c,ea0b527e1b94dc6c
X-Google-Attributes: gid10fe4c,public
X-Google-Thread: 10c9e3,ea0b527e1b94dc6c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1046d5,ea0b527e1b94dc6c
X-Google-Attributes: gid1046d5,public
X-Google-Thread: ffe14,ea0b527e1b94dc6c
X-Google-Attributes: gidffe14,public
X-Google-ArrivalTime: 1991-02-21 21:32:53 PST
Path: gmdzi!unido!fauern!ira.uka.de!math.lsa.umich.edu!zaphod.mps.ohio-state.edu!swrinde!elroy.jpl.nasa.gov!usc!apple!portal!cup.portal.com!ts
From: ts@cup.portal.com (Tim W Smith)
Newsgroups: alt.activism,alt.bbs,alt.censorship,rec.ham-radio
Subject: Re: Data Packet Radio Might be Censored After FCC Citation
Message-ID: <39469@cup.portal.com>
Date: 21 Feb 91 05:36:12 GMT
References: <3897.27c1abc3@miavx1.acs.muohio.edu>
Organization: The Portal System (TM)
Lines: 12
Xref: gmdzi alt.activism:6938 alt.bbs:2825 alt.censorship:389 rec.ham-radio:20600

Ham radio operators have always been responsible for what their equipment is used for. For instance, if person A has a ham radio station, and lets his friend person B speak to someone, and person B starts violating FCC regulations (e.g., swearing), then person A is responsible for stopping this.

The FCC has tended to look the other way when the station is running packet radio, but this will only continue if there is no problem. Was this a single solicitation for a 900 service, or were there several such messages?

Tim Smith

From 2663286232795008715
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-21 22:04:15 PST
Path: gmdzi!unido!fauern!ira.uka.de!math.lsa.umich.edu!zaphod.mps.ohio-state.edu!think.com!snorkelwacker.mit.edu!apple!xanadu!michael
From: michael@xanadu.com (Michael McClary)
Newsgroups: rec.ham-radio
Subject: Re: Not quite a flame (was Re: GPS accuracy in wake of Desert Storm?
Message-ID: <1991Feb21.092010.10607@xanadu.com>
Date: 21 Feb 91 09:20:10 GMT
References: <1167.27A6BD41@w8grt.fidonet.org> <819@nddsun1.sps.mot.com>
Organization: Xanadu Operating Company
Lines: 15

In article <819@nddsun1.sps.mot.com> waters@nddsun1.sps.mot.com (Mike Waters)
writes:
>In article <1167.27A6BD41@w8grt.fidonet.org> Jim.Grubs,.W8GRT@w8grt.fidonet.org
(Jim Grubs, W8GRT) writes:
>>
>>Jim Grubs, W8GRT - Support OPERATION DESERT STORM - the 9th Crusade!
>
>I really hope that Jim meant this in jest! He certainly should know
>better if not.
>
>For the unititiated, the crusades were one of the ugliest parts of the
>history of Christianity. Mostly for political purposes under the guise
>of religion they resulted in a greast many of the problems that thw
>world is still struggling with today.

Also, I hear all but the first one were dead losses for the Christians.
B-)

From 6510688356772677392
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10fe4c,ea0b527e1b94dc6c
X-Google-Attributes: gid10fe4c,public
X-Google-Thread: 10c9e3,ea0b527e1b94dc6c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1046d5,ea0b527e1b94dc6c
X-Google-Attributes: gid1046d5,public
X-Google-Thread: ffe14,ea0b527e1b94dc6c
X-Google-Attributes: gidffe14,public
X-Google-ArrivalTime: 1991-02-21 22:05:35 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cunixf.cc.columbia.edu!
cunixb.cc.columbia.edu!mig
From: mig@cunixb.cc.columbia.edu (Meir)
Newsgroups: alt.activism,alt.bbs,alt.censorship,rec.ham-radio
Subject: Re: Data Packet Radio Might be Censored After FCC Citation
Message-ID: <1991Feb20.232543.13362@cunixf.cc.columbia.edu>
Date: 20 Feb 91 23:25:43 GMT
References: <3897.27c1abc3@miavx1.acs.muohio.edu>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Reply-To: mig@cunixb.cc.columbia.edu (Meir)
Organization: Columbia University
Lines: 6
Xref: gmdzi alt.activism:6942 alt.bbs:2828 alt.censorship:390 rec.ham-radio:20603

He deserves whatever he gets if he thought it was a "ham broadcasting
license."

 * * * * * * * ====================== Meir Green
* * * * * * * * ====================== mig@cunixb.cc.columbia.edu
 * * * * * * * ====================== N2JPG

From -705322159751061020
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10fe4c,ea0b527e1b94dc6c
X-Google-Attributes: gid10fe4c,public
X-Google-Thread: 10c9e3,ea0b527e1b94dc6c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: ffe14,ea0b527e1b94dc6c
X-Google-Attributes: gidffe14,public
X-Google-Thread: 1046d5,ea0b527e1b94dc6c
X-Google-Attributes: gid1046d5,public
X-Google-ArrivalTime: 1991-02-21 22:05:35 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!helios!tamsun.tamu.edu!mss2696
From: mss2696@tamsun.tamu.edu (Mark Saum)
Newsgroups: alt.activism,alt.bbs,alt.censorship,rec.ham-radio
Subject: Re: Data Packet Radio Might be Censored After FCC Citation
Message-ID: <12403@helios.TAMU.EDU>
Date: 21 Feb 91 00:10:28 GMT
References: <3897.27c1abc3@miavx1.acs.muohio.edu>
Sender: usenet@helios.TAMU.EDU
Followup-To: alt.activism
Organization: Texas A&M University
Lines: 23
Xref: gmdzi alt.activism:6946 alt.bbs:2829 alt.censorship:391 rec.ham-radio:20604

This is the same question that sysops have been asking for years. Many of us wonder about this, and what are the limits of our liability. I believe that we have some obligationt to make a reasonable effort to "censor" the posts and uploads of our users. Some examples follow:

* Stolen credit card #'s
* X-rated material on public sub-boards
* Pirated software

But to what extent do we have to go through to insure this. Is it adequate that I read my mail once a day and delete or move offending posts? Should I approve of all posts before they are made?

Do I lose my residential line status if one of my users says..."I need a job"

It seems that we ARE being made responsible for the remarks of our USERS. This is a troubling though.

-=-
Mark Saum Remote Sensing/GIS Lab
Asst. Sys. Admin/Programmer Dept. of Forest Science
msaum@rsgis.tamu.edu Texas A&M University

From -5585142391820249353
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10fe4c,ea0b527e1b94dc6c

X-Google-Attributes: gid10fe4c,public
X-Google-Thread: 10c9e3,ea0b527e1b94dc6c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1046d5,ea0b527e1b94dc6c
X-Google-Attributes: gid1046d5,public
X-Google-Thread: ffe14,ea0b527e1b94dc6c
X-Google-Attributes: gidffe14,public
X-Google-ArrivalTime: 1991-02-22 00:58:39 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cunixf.cc.columbia.edu!cunixb.cc.columbia.edu!mig
From: mig@cunixb.cc.columbia.edu (Meir)
Newsgroups: alt.activism,alt.bbs,alt.censorship,rec.ham-radio
Subject: Re: Data Packet Radio Might be Censored After FCC Citation
Message-ID: <1991Feb21.025610.5987@cunixf.cc.columbia.edu>
Date: 21 Feb 91 02:56:10 GMT
References: <3897.27c1abc3@miavx1.acs.muohio.edu> <1991Feb20.232543.13362@cunixf.cc.columbia.edu> <1991Feb21.010717.30453@cunixf.cc.columbia.edu>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Reply-To: mig@cunixb.cc.columbia.edu (Meir)
Organization: Columbia University
Lines: 45
Xref: gmdzi alt.activism:6952 alt.bbs:2832 alt.censorship:394 rec.ham-radio:20609

In article <1991Feb21.010717.30453@cunixf.cc.columbia.edu> cy5@cunixa.cc.columbia.edu (Conway Yee) writes:
>In article <1991Feb20.232543.13362@cunixf.cc.columbia.edu> mig@cunixb.cc.columbia.edu (Meir) writes:
>>He deserves whatever he gets if he thought it was a "ham broadcasting
>>license."
>
>Meir,
>
>   You must realize that one of the functions of ham radio is to "push
>the edge of the envelope" of technology. Thus, situations can occur (and
>frequently do) where the technology outpaces the law.
>
>   Imagine the situation, if you will, if the voluntary bandplans were
>legislated and it was in the era of AM. Let's say for the sake of argument,
>that you are Joe Ham and have come up with the idea of SSB. In this case,
>SSB would not be allowed.
>
>   In another example, ASCII is allowed to be transmitted and is not
>considered a code. What about in 1967 when ASCII was developed. Clearly,
>the object of ASCII is not to obscure communication but it is easy to see
>how ASCII could be considered a code (technically, though, it is a cipher).
>
>   Thus, the law MUST change to suit the state of technology. If
>the FCC sticks to the letter of the current law, a promising technology
>could be killed. Ham radio has a tradition of developing new modes
>of communication which is later commercialized. Apple Inc. is trying to
>get the FCC to agree to let it develop a broadcast LAN. Clearly, packet
>radio is on the forefront of technology and should be allowed to grow.

```
>
>    IMHO, only the originator of the post should be held responsible
>for the contents.  Packet radio operators should not be held liable.  By
>its very nature, packet radio requires the automatic forwarding of data.
>The old rules are inadequate for the situation.
>
>                      Conway Yee, N2JWQ
>yee@ming.mipg.upenn.edu    (preferred)            231 S. Melville St.
>cy5@cunixa.cc.columbia.edu (forwarded to above)    Philadelphia, Pa 19139
>yee@bnlx26.nsls.bnl.gov    (rarely checked)        (215) 386-1312
```

Agreed! But how does any of that justify calling the Amateur Radio Service "ham broadcasting"? The FCC regulations still forbid "ham broadcasting" to the general public or to CNN!

```
 * * * * * * *  ====================== Meir Green
* * * * * * * * ====================== mig@cunixb.cc.columbia.edu
 * * * * * * *  ====================== N2JPG
```

From 1460182877564964814
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e707686e4d995860,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-22 03:19:20 PST
Path: gmdzi!unido!fauern!ira.uka.de!math.lsa.umich.edu!zaphod.mps.ohio-state.edu!usc!apple!agate!ucbvax!hls.com!trop
From: trop@hls.com (Troy T. Pummill)
Newsgroups: rec.ham-radio
Subject: NASA Select for STS-39
Message-ID: <9102211446.AA03070@hls.com>
Date: 21 Feb 91 14:46:37 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 29

Steve Look asks if there will be NASA Select Audio/Video for the upcoming unclassified DOD STS-39 flight.

The answer is a definate maybe!

According to the response from a mail messsage posted to the SpaceLink computer, there will not be Select carried.

However, when I downloaded the mission profile, it appeared as though there would be Select available.

As a last resort, I checked with the local gent (NASA-Ames) who supplies Select to the Bay Area. He said that there would be Select for this mission.

If I'm presented with any more information, I will repost....

trop

```
-------------------------------------------------------------------------------
|  Troy T. Pummill, N6XMV    |  trop@hls.com                              |
|  Sr. Technical Instructor      |  ...uunet!lanslide.hls.com!trop           |
|  Hughes LAN Systems            |                                           |
|  (415) 966-7915                |  1225 Charleston Rd., Silicon Gulch       |
|  Mountain View, CA  94043  |  The preceding drivel is entirely my own!  |
------------------------------------ -------------------------------------------
```

Invisible airwaves crackle with life, bright antenna bristles with the energy
Emotional feedback on timeless wavelength, bearing a gift beyond price....
Almost free.   "Spirit of Radio" - Rush

From 8991885425538981693
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10fe4c,ea0b527e1b94dc6c
X-Google-Attributes: gid10fe4c,public
X-Google-Thread: 10c9e3,ea0b527e1b94dc6c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1046d5,ea0b527e1b94dc6c
X-Google-Attributes: gid1046d5,public
X-Google-Thread: ffe14,ea0b527e1b94dc6c
X-Google-Attributes: gidffe14,public
X-Google-ArrivalTime: 1991-02-22 04:13:36 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cunixf.cc.columbia.edu!cunixa.cc.columbia.edu!cy5
From: cy5@cunixa.cc.columbia.edu (Conway Yee)
Newsgroups: alt.activism,alt.bbs,alt.censorship,rec.ham-radio
Subject: Re: Data Packet Radio Might be Censored After FCC Citation
Message-ID: <1991Feb21.010717.30453@cunixf.cc.columbia.edu>
Date: 21 Feb 91 01:07:17 GMT
References: <3897.27c1abc3@miavx1.acs.muohio.edu> <1991Feb20.232543.13362@cunixf.cc.columbia.edu>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Reply-To: cy5@cunixa.cc.columbia.edu (Conway Yee)
Organization: Columbia University
Lines: 36
Xref: gmdzi alt.activism:6967 alt.bbs:2835 alt.censorship:397 rec.ham-radio:20613

In article <1991Feb20.232543.13362@cunixf.cc.columbia.edu>
mig@cunixb.cc.columbia.edu (Meir) writes:
>He deserves whatever he gets if he thought it was a "ham broadcasting
>license."

Meir,

You must realize that one of the functions of ham radio is to "push the edge of the envelope" of technology. Thus, situations can occur (and frequently do) where the technology outpaces the law.

Imagine the situation, if you will, if the voluntary bandplans were legislated and it was in the era of AM. Let's say for the sake of argument, that you are Joe Ham and have come up with the idea of SSB. In this case, SSB would not be allowed.

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Thus, the law MUST change to suit the state of technology. If the FCC sticks to the letter of the current law, a promising technology could be killed. Ham radio has a tradition of developing new modes of communication which is later commercialized. Apple Inc. is trying to get the FCC to agree to let it develop a broadcast LAN. Clearly, packet radio is on the forefront of technology and should be allowed to grow.

IMHO, only the originator of the post should be held responsible for the contents. Packet radio operators should not be held liable. By its very nature, packet radio requires the automatic forwarding of data. The old rules are inadequate for the situation.

```
                       Conway Yee, N2JWQ
yee@ming.mipg.upenn.edu    (preferred)             231 S. Melville St.
cy5@cunixa.cc.columbia.edu (forwarded to above)    Philadelphia, Pa 19139
yee@bnlx26.nsls.bnl.gov    (rarely checked)        (215) 386-1312
```

From -1092085932983454486
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,255cffeb4d422367,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-22 04:48:05 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!usc!apple!agate!ucbvax!NADC.NADC.NAVY.MIL!skitch
From: skitch@NADC.NADC.NAVY.MIL (M. Squicciarini)
Newsgroups: rec.ham-radio
Subject: isdx
Message-ID: <9102221248.AA29565@NADC.NADC.NAVY.MIL>
Date: 22 Feb 91 12:48:05 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 79

02/08/91
INSIDE DX No. 255
436 N. Geneva Street
Ithaca, NY 14850

CLIPPERTON- Kiyoko who recently signed T31KY (went QRT on Feb. 3rd) has returned to Japan. Several readers report that she stated she would be making a trip to this one sometime in April and hopefully will activate it while there, Kiyoko works for a pearl diving firm based in Japan and this is why she travels to all these remote islands. KYFC!!

ITALY- I2UIY and others are planning a major Multi-Single effort in the ARRL CW DX Contest on February 16-17th signing IU8A on 160-10 meters. (TNX I2UIY)

JAN MAYEN- LA1MFA will be signing JW1MFA starting February 9th for several weeks on 80-10 meters on CW and SSB. QSL to homecall.

ST. LUCIA- Bill, K4LTA, and XYL-Ruby, N4FKO, will sign J6LTA and J6LSW from February 13th to March 4th. They will be active on all bands 80-10 meters including the WARC bands on CW and SSB. Bill will be active in both ARRL DX Contests. QSL via NI4M.

MIDWAY ISLAND- A station signing KH4AE was quite active on 10 meter SSB the weekend of January 26-27. Operator's name was Art and QSL route of KM6BI. KM6BI was the old club station on Midway Island and is not listed in the callbook. By the way the suffix BI was for Bird Island the old nickname for Midway. Is this one legit??

LEBANON- Opr. Walid, OD5ZZ, frequents 21223 at 1715Z keeping the pileups flowing smoothly. He uses a 100 watt rig into a 3 element tribander. QSL via P.O. Box 782, Tripoli, Lebanon.

AFGHANISTAN- According to Romeo, UB5JRR-ex YA0RR, who spoke to Jacky, F2CW, and Jacky did not bring equipment with him nor was he able to obtain a YA license as of press time. (TNX K2OLG)

ST HELENA- Dave, ZD8DX, and George, ZD8GT, are in the planning stage to mount a Dxpedition to this one in about 3 months (May?). They plan to be active on 160-6 meters on CW-SSB-RTTY-AMTOR. The operation will last for 1 to 2 weeks. More details when plans become more concrete.

ASCENSION ISLAND- ZD8TG, opr. Tom, was active from here this past week. He was a member of a scientific group that was conducting tests measuring possible changes in the ocean's temperature. A ship neear Heard Island (Jim Smith, VK9NS, attempted to hitch a ride aboard this ship for a possible operation from VK0H but due to limited room aboard the ship was unable too) lowered probes into the sea and pumped 5 KW of audio power at 57 KHz ito the ocean and various monitoring sites thru-out the world took readings (Time for the signal to reach them plus signal strength). These raadings will be compared to future readings and any change in them will signal a change in the Ocean's temperature. Tom will be in ZDB for one more week, try 21270 at 2115Z. QSL via W0IFQ. By the way it took the signal 104 seconds to reach ZD8 from VK0H. Dave, ZD8DX, likes 7070 from 2000-2400Z and 3795 from 0000Z on weekends plus some 160 meter action when conditions permit. QSL via WB2K.

SOUTH COOKS- Joe, VE3CPU, is active from this one now, signing ZK1XO on 80-10 meters. Look for his signals on the low end of the CW bands. QSL via VE3CPU.

SOUTH SANDWICH ISLANDS- George, W8BKP, reports working Travesay Island in the South Sandwich group. The station was worked 2/2/91 on 28008 at 1807Z. This station was also active on 1/16/91 at 2250Z. QSL route is via RB5JBU. According to U5FG who states that there is a USSR station which is active from time to time from the Sandwichess... KEEP Our Fingers Crossed!! (KYFC!) this one is ligit.

ZAMBIA- K1LKI reports that 9J2SZ is active on bottom edge of 20 meter CW after 1800Z. He runs 30 watts into a dipole antenna. QSL this one via SP8DIP.

BURUNDI- SURPRISE!! Lloyd and Iris showed on January 30th from this one signing 9U5QL. So far they have been active on 10-20 meter CW and SSB. The pileups on this one have been huge. QSL via YASME. They will QRT on February 19th.

Relayed by KB8NW/OBS and BARF-80 BBS online
at 216-237-8208 2400/1200/300 8/N/1

From -2911703682843201012
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10fe4c,ea0b527e1b94dc6c
X-Google-Attributes: gid10fe4c,public
X-Google-Thread: 10c9e3,ea0b527e1b94dc6c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1046d5,ea0b527e1b94dc6c
X-Google-Attributes: gid1046d5,public
X-Google-Thread: ffe14,ea0b527e1b94dc6c
X-Google-Attributes: gidffe14,public
X-Google-ArrivalTime: 1991-02-22 07:46:00 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!
wuarchive!mit-eddie!bloom-beacon!deccrl!news.crl.dec.com!shlump.nac.dec.com!
ryn.mro4.dec.com!ultnix.enet.dec.com!taber
From: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Newsgroups: alt.activism,alt.bbs,alt.censorship,rec.ham-radio
Subject: Re: Data Packet Radio Might be Censored After FCC Citation
Message-ID: <4030@ryn.mro4.dec.com>
Date: 21 Feb 91 14:24:21 GMT
References: <3897.27c1abc3@miavx1.acs.muohio.edu>
<1991Feb20.232543.13362@cunixf.cc.columbia.edu>
Sender: guest@ryn.mro4.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Followup-To: alt.activism
Organization: KC1TD@KB4N.NH.USA.NA.EARTH.SOLAR_SYSTEM.UNIVERSE.MIND_OF_GOD
Lines: 20
Xref: gmdzi alt.activism:6987 alt.bbs:2840 alt.censorship:400 rec.ham-radio:20616

In article <1991Feb20.232543.13362@cunixf.cc.columbia.edu>,
mig@cunixb.cc.columbia.edu (Meir) writes:
|>
|>He deserves whatever he gets if he thought it was a "ham broadcasting
|>|>license."
|>

I believe the term "ham broadcasting license" was introduced by the reporter, not by the ham. In general media coverage it is pointless and counter-productive to try and push the difference between broadcasting and transmitting. It's more than the public wants to know and not essential to the story.

--
>>>==>PStJTT
Patrick St. Joseph Teahan Taber, KC1TD

If I was authorized to speak for my employer, I'd be too important to waste my time on this crap....

From -3841098424617856338
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,118256a8e06dec1a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-22 14:40:04 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!emory!gatech!
usenet.ins.cwru.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.uucp (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: Re: N8EMR: Thanks! (ARRL Bulletins)
Message-ID: <1991Feb22.005325.19169@n8emr.uucp>
Date: 22 Feb 91 00:53:25 GMT
References: <5720107@hplsla.HP.COM>
Organization: HAM BBS, 614-895-2553 (1200/2400/v.32/pep)
Lines: 17

In article <5720107@hplsla.HP.COM> charlier@hplsla.HP.COM (Charlie Panek) writes:
>
> First of all, I'd like to give a big public Thank You to Gary Sanders,
>N8EMR for his many posts of useful info over the past years to this group.
>If you hadn't noticed, Gary has been posting the AMSAT bulletins, and
>the RTTY bulletins and bulletins from the ARRL to rec.ham-radio. I think
>he has kept the S/N ratio acceptable here almost single-handedly.

Thanks for the note... I am trying to get the bulletins back on track, but with a major change in my computer system and about a month now with my packet link out of service its been a little hard. I am working on it.. many thanks...
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From 4657909486139023612
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc678e83d80490ec
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1991-02-22 20:22:09 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!rpi!dali.cs.montana.edu!milton!sumax!polari!mzenier
From: mzenier@polari.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: Early low-signal-level data transmission method.
Message-ID: <3424@polari.UUCP>
Date: 22 Feb 91 19:37:51 GMT
References: <18.Feb.91.12:30:10.GMT.#2177@UK.AC.NWL.IA>
Organization: Seattle Online Public Unix (206) 328-4944
Lines: 11

In article <18.Feb.91.12:30:10.GMT.#2177@UK.AC.NWL.IA> PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon") writes:
>
>The PICCOLO system was developed in the late 1950's/early 60's by a team
>led by J.D. Ralphs of the British Diplomaytic Wireless Service (part of
>the Foreign and Commonwealth Office).

Also check out the Reading RTTY column in Monitoring Times. In
February, July and August 1989 they discuss a UK system and in
March 1990 a French system.

mzenier@polari.uucp   markz@ssc.uucp

From -4237509264703523002
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e5c886d106e34873,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,e5c886d106e34873,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: 1004cb,e5c886d106e34873,start
X-Google-Attributes: gid1004cb,public
X-Google-Thread: 105d97,e5c886d106e34873,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-02-22 22:23:31 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!samsung!rex!wuarchive!udel!haven!wam!epsl.umd.edu!rustyh
From: rustyh@epsl.umd.edu (Rusty Haddock)
Newsgroups: rec.radio.amateur.misc,rec.ham-radio,sci.electronics,sci.aeronautics
Subject: Collins (Rockwell) Amplifier Info needed
Keywords: Avionics, amplifier
Message-ID: <1991Feb22.143933.28438@wam.umd.edu>
Date: 22 Feb 91 14:39:33 GMT
Sender: usenet@wam.umd.edu (USENET Posting)
Followup-To: poster
Organization: University of Maryland at College Park
Lines: 36
Xref: gmdzi rec.radio.amateur.misc:178 rec.ham-radio:20624 sci.electronics:11757 sci.aeronautics:826

I have acquired a couple of avionics RF amplifiers made by Rockewll
(Collins Division). Unfortunatly there is no infomation with them so
I am looking for someone who might know the whereabouts of schematics
and hand books.
Power Amplifier Type 548T-1
Part # 522-4398-001

This has a single 4CX600J valve, so one could assume
that it is reasonably high powered (if a 4CX250 has 250W plate disipation
and the Eimac series is consistant (although I could find this tube in
any of the books I have). It has servo-remote tunning and is in a compact
rack-mounting module (looks like a number of them go side-by side with
power-supplies. They are about 8in high by 3 ins wide by 18 ins deep,
with slide contacts (coax and power/control) on back.

The power supply module is 110VAC 400Hz 3/phase (yes I'll have to build
a solid-state rotary converter):
Power Supply Type 636W-1
Part # 522-4790-002

I will try Collins in Ceader Rapids but I can imagine that I'll get nowhere.

These are obviously 'avionics' in design and perhaps are of millitary
in origin (although the repair tag says that they are repaired to FAA
requirements (1981))

Any pointers would be GREATLY appreciated.

(Also anyone who has experience in making 400Hz 1500W 3 phase stuff!)

```
--
Michael Katzmann  (VK2BEA/G4NYV/NV3Z)   Please email to this address |
Broadcast Sports Technology                                          |
2135 Espey Ct. #4                                                   \|/
Crofton MD 21114-2442    (301) 721-5151      ...uunet!opel!vk2bea!michael
```

From -4769450948438042984
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6f9007eb928bd08,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-22 23:20:27 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!spool.mu.edu!uwm.edu!
wuarchive!zaphod.mps.ohio-state.edu!rpi!batcomputer!cornell!vax5.cit.cornell.edu!
v6dy
From: v6dy@vax5.cit.cornell.edu
Newsgroups: rec.ham-radio
Subject: RE:fast food freqs
Message-ID: <1991Feb22.125513.2937@vax5.cit.cornell.edu>
Date: 22 Feb 91 16:55:13 GMT
Distribution: rec
Organization: CIT, Cornell University
Lines: 15

McDonalds in Ithaca NY

457.550

McDonalds near Rt 87 N in the adirondaks use some freq like

158.970
or
154.980

My memory fails me as to which of the two it is, and I haven't been on that road for about 6 months.

Will Middelaer
N2KNU

From -8051924156927078738
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e3999b6d73fb55b0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-23 00:46:35 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!hplabs!hpda!hpcuhb!hpsqf!hpqmola!hpqmolb!dstock
From: dstock@hpqmolb.sqf.hp.com (David Stockton)
Newsgroups: rec.ham-radio
Subject: Re: Antenna Question - Please Help
Message-ID: <410030@hpqmolb.sqf.hp.com>
Date: 22 Feb 91 09:20:14 GMT
References: <5120016@hpindda.cup.hp.com>
Organization: HP,Queensferry Microwave UK
Lines: 27

I would disagree with your synopsis in two places.

The "RF" gain control on your receiver is not a front end attenuator, but actually just backs off the automatic gain control (AGC) The AGC control line may , and often is, be applied to an RF amplifier. The type of front-end AGC used in just about every case degrades rapidly as the gain is reduced. Reducing the setting of your RF gain control will actually make things worse !   To gain the wanted advantage you need a passive attenuator (3 resistors !) Some receivers may have an "RF ATTEN" switch, if not, an external attenuator needs connecting between set and antenna.

The value of an antenna tuner needs some qualification, Using an antenna tuner to perfectly match an antenne to a receiver is usually disappointing - it usually makes little difference. The reason such devices exist is that transmitters are, unlike receivers, VERY insistant upon seeing a correct load impedence - the tuner makes an antenna appear to the transmitter as the wanted impedence when it is properly adjusted.

Receivers benefit significantly from a different sort of tuner, usually called a pre-selector, whose function is to pass the wanted signal but to filter out as much of all others as possible in order to reduce overload effects. The high Q loop antenna behaves as a combined antenna/preselector.

Hope this helps
GM4ZNX

From -6056149005212066136
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76489b0e31b4a973
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-23 02:12:44 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!usc!snorkelwacker.mit.edu!shelby!unix!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Anderson Power-pole connectorw (Was: DANGER in sexless Standard 12V DC Connectors
Message-ID: <1250371@hpnmdla.HP.COM>
Date: 22 Feb 91 21:48:43 GMT
References: <524@wicat.UUCP>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 36

In rec.ham-radio, billt@hprnd.rose.hp.com (Bill Thomas) writes:

>   *** THE SEARCH FOR A STANDARD POWER CONNECTOR ***
>   The American Radio Relay League recommended the Anderson
>Powerpole Connectors as League standard for 12 volt power
>connections. Refer page 60, QST magazine, May 1984 issue for a
>record of the Director's proceedings.

Not true! I looked up the reference, and indeed the Board of Directors considered the idea of standardizing on these connectors (minute 77), but the idea was rejected (tabled).

>   Sources of these connectors are:

>Anderson Powerpole   - Anderson Power Products
>   145 Newton St. Boston, Ma. 02135
>   (617) 787-5880
>SPC Technology A Mode Connectors - Newark Electronics
>   Catalog #108, Page 599

This may be the only source of these connectors. I called up 3 local and national industrial electronic supply houses and 4 electric supply houses, and none of the 7 had ever even heard of Anderson Power Products.

I did find a catalog in our Materials Engineering library here at Hewlett Packard. By the way, only the red connectors are a standard catalog item -- you can get black-bodied connectors, but it is a special order.

If we are going to standardize on a connector, I feel it should be something a little more "standard". Ideally something like a Molex connector, available at any Radio Shack.

AL N1AL

From 698167175297021034
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4309c7cb12cc251,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-23 10:05:25 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!spool.mu.edu!sdd.hp.com!
hplabs!hpda!hpcuhc!pollux!mlau
From: mlau@pollux.svale.hp.com (Mel Lau)
Newsgroups: rec.ham-radio
Subject: ** FYI...FT470 MODS **
Message-ID: <5200001@pollux.svale.hp.com>
Date: 22 Feb 91 19:53:33 GMT
Organization: Hewlett Packard CPCD, Sunnyvale CA
Lines: 659

These are FT470 notes for those of you interested. Every month or so somebody always asks the same questions so here are the mods again.

Ham in training,
Mel

From rfc@briar.Philips.Com Tue Aug 21 11:30:45 1990
Relay-Version: version Notes 2.8.2 87/11/24; site hpspcoi.HP.COM
From: rfc@briar.Philips.Com (Robert Casey)
Date: Tue, 21 Aug 1990 18:30:45 GMT
Date-Received: Wed, 22 Aug 1990 13:12:03 GMT
Subject: FT470 crossband repeater procedure
Message-ID: <106592@philabs.Philips.Com>
Path: hpspcoi!hpcuhc!hpda!hplabs!sdd.hp.com!think!linus!philabs!briar!rfc
Newsgroups: rec.ham-radio
Sender: news@philabs.Philips.Com
Lines: 31

someone asked about the FT470 crossband trick, so, from my files:

```
 Msg# TSP  Size #Rd Date/Time MsgID        From   To
 1949 BN   2133   4 0828/2115 45258_K6IYK  KJ6NV  ALL
   Sb: Yaesu FT-470 Crossband Repeater Function
```

If you turn on the radio with the RPT key depressed, the radio becomes a crossband repeater. Try it! Dial up two frequencies you want to crosslink (be sure to pay attention to transmit offsets, if any), turn the radio off, depress the RPT key, and turn it back on. The tone encode/decode flags and the -+ flags will be flashing. When either band's squelch opens, the other band is moved into the primary frequency display and the transmitter keys. Note that the power output is decreased to Low power. One note: the crossband audio isn't great, probably because it's whatever comes out the speaker and gets fed back into the mike. I suppose if you got serious, you could create a short interface cable to plug into the top of the radio.

73's & happy dual/crossbanding!

Collier Chun
NM7B @ WA7ARI

And it does indeed work (I've tried it on mine).

Larry
KJ6NV @ K6IYK-4

But I haven't, so proceed at your own risk. WA2ISE
---
Better dead than red

```
From rfc@briar.Philips.Com Fri Aug 24 20:54:33 1990
Relay-Version: version Notes 2.8.2  87/11/24; site hpspcoi.HP.COM
From: rfc@briar.Philips.Com (Robert Casey)
Date: Sat, 25 Aug 1990 02:54:33 GMT
Date-Received: Wed, 29 Aug 1990 00:48:47 GMT
Subject: FT470 extended VHF xmit mod file
Message-ID: <106716@philabs.Philips.Com>
Path: hpspcoi!hpcuhc!hpda!hplabs!sdd.hp.com!mips!prls!philabs!briar!rfc
Newsgroups: rec.ham-radio
Sender: news@philabs.Philips.Com
Keywords: mods
Lines: 23
```

FT-470 mod extended VHF xmit....

Here's the mod for the FT-470. (I have not performed it myself)
1. Remove Cover
2. Remove Lithium battery carefully
3. On left hand side locate some empty vertical pads, one above the other. It should be marked as R-69. There is also a chip resistor R-67 that is just below it to the left a bid.
4. Place a solder jumper across the two R-69 pads.
5. Reinstall the lithium battery.
6. Closeup the Radio.

7. Turn the radio of. While pressing down the up and down arrow keys, turn the radio back on.

Note: This mod only opens up the VHF transmit frequency range beyond 140 to 150. The automatic repeater offset will be defeated so you will have to enter the +/- offset yourself.

73's   Bernie NU1S @ K1UGM

Note: I haven't tested this, proceed at your own risk. Don't transmit out of band, else you might get a fine or even do time.
WA2ISE

From keithm@wicat.UUCP Sat Aug 25 18:39:28 1990
Relay-Version: version Notes 2.8.2 87/11/24; site hpspcoi.HP.COM
From: keithm@wicat.UUCP (Keith McQueen)
Date: Sun, 26 Aug 1990 00:39:28 GMT
Date-Received: Thu, 30 Aug 1990 02:53:22 GMT
Subject: FT-470 mods
Message-ID: <487@wicat.UUCP>
Organization: WICAT Systems, Orem, Utah
Path: hpspcoi!hpcuhc!hpda!hplabs!sdd.hp.com!zaphod.mps.ohio-state.edu!wuarchive!mailrus!hellgate.utah.edu!uplherc!wicat!keithm
Newsgroups: rec.ham-radio
Reply-To: keithm@wicat.UUCP (Keith McQueen)
Lines: 200

I have recevied enough enquiries about mods for the Yaesu FT-470 hand held, that I have decided to post what I know.

(This is a transcription of a letter that I received detailing the CPU programming jumpers that were found experimentally by Ed Boakes, WB3FLD.   Keith, N7HMF)

Dear Keith,

A little while ago, I came across a Net News item from you about the Yeasu FT-470 handheld. You asked if anyone knew how to make it receive the public service band just above the UHF amateur band. Well, I've figured out how to do that. However, the bad news is that when you strap the unit for this mode, it only transmits from 430 to 440! Oh, well.

I gave you a phone call a week or so ago, but it seemed that we kept missing each other. Anyway, here is what I've learned about the FT-470: I have located a total of eight straps, the four which you had written about, to the left of the lithium battery, and four others located under the flat white cable that interconnects the upper half with the lower half.

YEASU FT-470 STRAPS

R69	Vertical, at the 10 o'clock position by the lithium cell
R68	Horizontal, to the lower left of R69
R67	Horizontal, just below R68
R66	Horizontal, just below R67
R71	Vertical, the leftmost of three, to the left of the upper corner of the ribbon cable connector.
R70	Vertical, the center of three of which R71 is the leftmost
R72	Vertical, the rightmost of the three
R74	Vertical, to the left of the ribbon cable connector, below the three. (Note that R74 is below an unpopulated capacitor that does not have a C number.

There is no R73, or at least it is not on the circuit board and it is not in the schematic. And, yes, the order of those three is indeed R71, R70, R72, left-to-right.

R70, R71, R72 select the mode for the UHF portion of the FT-470. The choices are:

UHF CHOICES

R71	R70	R72	Rx and TX	Receive only
0	0	0	430 to 440 Mhz	430 to 500 Mhz
0	0	1	430 to 450 Mhz	
0	1	0	430 to 440 Mhz	
0	1	1	432 to 438 Mhz	
1	0	0	430 to 440 Mhz	
1	0	1	220 to 225 Mhz	
1	1	0	430 to 440 Mhz	
1	1	1	210 to 235 Mhz	

R66, R67, R68 and R69 select the mode for the VHF portion of the FT-470. The choices are:

VHF CHOICES

R66	R67	R68	R69	Rx and Tx	Receive only
0	0	0	0	144 to 146 Mhz	130 to 180 Mhz
0	0	0	1	144 to 146 Mhz	
0	0	1	0	1260 to 1300 Mhz	
0	0	1	1	1240 to 1300 Mhz	
0	1	0	0	140 to 150 Mhz	130 to 180 Mhz
0	1	0	1	140 to 174 Mhz	
0	1	1	0	303 to 343 Mhz	
0	1	1	1	8AL to 242 Mhz	
1	0	0	0	144 to 148 Mhz	

1	0	0	1	144 to 146 Mhz
1	0	1	0	1240 to 1300 Mhz
1	0	1	1	404 to 444 Mhz
1	1	0	0	140 to 160 Mhz
1	1	0	1	1260 to 1300 Mhz
1	1	1	0	101 to 141 Mhz
1	1	1	1	1R3 to 158L Mhz

(Note: the receive only ranges are enabled by powering up the unit with the up and down arrow buttons depressed...kjm)

When there is more than one combination which has the same frequency range, the difference is the default step size and/or the default repeater offset. Of course, choices that do not match the VCO and filters do not actually transmit or receive on those frequencies. A particularly strange example is that the VHF side of the set can be set to tune from 404 to 444 Mhz, but again, it won't actually lock. Even in the 101-141 mode, the VHF VCO will not lock - this must be for use with some other sort of VCO (It looks like this would cover the aeronautical band rather nicely.) There are two really wierd VHF settings, those for 8AL-242 and 1R3-158L. These must be for use with some other LCD controller - it displays truly unusual and non sequential thins when stepped through the "bands".

R74 seems to have something to do with something like selecting the IF frequency, or something else like that that. When set, it really screws up the VHF reception.

My technique for determining these straps is to remove the straps that come in the unit, solder wires to each pad, run the wires out of the unit to a bank of DIP switches, screw the unit back together, and then go through all of the DIP switch combinations. I usually use a stereo microscope and 30 guage wire for this. Since I didn't try powering the unit on with every combination of keys held down for each DIP switch combination, there may still be other secrets possible.

Since I was looking for something like receive and transmit from zero to infinity, and I didn't find it, I kept looking until I got bored and wanted to button the thing up and start using it. I determined, from studying the schematic, that there should be a hiddem strapping diode from CPU pin 2 to CPU pin 22. I installed one, but nothing changed. In fact, changing it and powering the unit up did not cause a reset. Therefore, I concluded that this really wasn't a mystery strap, afterall. However, there could be others. I'm trying to get a data sheet for the CPU, from Hitachi, to see if any of the grounded pins are actually I/O pins -- they might be good candidates, particularly if their traces are routed in such a way as to be easily accessible for cutting.

I've learned that one of the ways to get some of the other, new Yeasu handhelds to go out-of-band, involves dumping data out of the clone port, editing the data, and then dumping it back in. I called Yeasu and asked if the FT-470 could be cloned. They said no, so I ignored them. I haven't figured out how to get it to dump data, but I believe it will accept data. The clone mode is entered by powering up the unit with the F key held down. (It's also a neat way to see all of the indicators on the LCD!) The data must be presented in the ring ("right channel") of a stereo 2.5 millimeter plug which is placed into the mic jack. This is cryptically marked on the schematic, anyway. However, I have no idea what the format for the data should be. If you come across this, I'd love to know. This may be the trap door to getting the rig to receive and transmit in more interesting places.

Have fun with you FT-470!

Yours Truly,
Ed Boakes

CAll: WB3FLD
email: att!hocpa!ewb
work: (201) 834-1121
Fax: (201) 834-1371
home: (201) 957-0391

Several interesting things that I have learned since I received this letter... According to the guys at Yaesu, the engineers in Japan appearantly wrote the full UHF rx/tx out of the ROM on purpose.

The unit does a very good job as a cross-band repeater.

To enable this, turn off the radio, hold the RPT key and turn on the radio. Now, anything heard on EITHER band will be re-transmitted on the other band. There are, however, a few problems.

First, there is no real internal path for the audio to get from the receiver to the transmitter, so you either have to modify the radio, to provide a path, or do what I did which is build a short loop back cable connecting the tip of the earphone jack to the tip of the microphone jack like this:

```
     <---------/\/\/\/\/\/\/--------->
                  100K
```

This is the way I did it, others I have talked to have used either just a resistor like me or a small capacitor, or a combination. On my radio, this value of resistor gave me a good range of tranmitted audio levels by adjusting the volume control.

The other small problem is that the radio automatically selects low power on transmit in this mode. This is probably because of the lack of a real duplexer.

After looking through the service manual, it became appearant that the small mystery hole on the side of the radio with the rubber plug was originally intended for an external power jack. I have not yet asked Yaesu if they will sell the jack for that spot. I also have no idea why they omitted it.

All in all, I still love my FT-470. Its a great little radio.

```
--
 Keith McQueen, Wicat Systems Inc. , (801)224-6400      | My opinions are |
 N7HMF @ NV7V.UT.USA.NA (84058), 147.34+, 449.675-      | all mine...     |
 UPLHERC!WICAT!KEITHM                                   | ...so there!    |
```

From prs@oasis.icl.stc.co.uk Thu Sep 6 06:47:28 1990
Relay-Version: version Notes 2.8.2 87/11/24; site hpspcoi.HP.COM
From: prs@oasis.icl.stc.co.uk (Pete Swynford)
Date: Thu, 6 Sep 1990 12:47:28 GMT
Date-Received: Fri, 7 Sep 1990 20:17:10 GMT
Subject: FT470 mods
Message-ID: <1508@ozz.oasis.icl.stc.co.uk>
Organization: International Computers Limited, Bracknell, UK
Path: hpspcoi!hpcuhc!hpda!hplabs!sdd.hp.com!think.com!paperboy!snorkelwacker!
bloom-beacon!eru!hagbard!sunic!mcsun!ukc!stl!iclbra!icl!prs
Newsgroups: rec.ham-radio
Keywords: FT470 VHF UHF
Lines: 39

Hello FT470 owners... I asked a few weeks ago about mods for the FT470 to make it receive and transmit on additional frequencies. I own(ed) the European version which caters for 144-146 & 430-440. It now transmits and receives 140-174 & 430-440, with additional receive coverage 440-500 MHz! The mod was fiddly as the chip resistors are the size of a pin head. You'll need a fine tipped soldering iron and about 2 hours of patience. Here's how I did it...

```
For 2 metres..  locate R66-69...      R69
which are located at 10 O'clock       |
to the lithium battery.           R68-(lithium
R69 is vertical, R66-68 are       R67-(battery
horizontal.                       R66-(cell
```

The combination you want is: R66 & R68 = 0; R67 & R69 = 1.

Mine came with R66 & R69 set for Europe so I just moved the resistor from position R66 to position R67.

For UHF, locate R70-72 to the top left of the ribbon cable. These are vertical and in the order:

```
     R71 R70 R72
```

The combination you want is: R71 & R70 & R72 = 0.

Mine came with R71 set for Europe so I just took the resistor out and have
stuck it to the back of the battery (in case I need to convert back).

If anyone disagrees with these mods and think I've done something wrong,
let me know a.s.a.p.

Cheers & 73
de Peter G6ZYT.
--
Pete Swynford is available... tel: +44 (344) 424842 x 2625
or at prs@oasis.icl.stc.co.uk / ..!uunet!mcsun!ukc!iclbra!prs / G6ZYT@GB7RDG
Disclaimer: See Paragraph 2.4.a of section 1.a (article 7) (iii) of the
Town and Country Planning Act, 1967.

From rblack@smcnet.smc.edu Tue Sep 11 20:53:39 1990
Relay-Version: version Notes 2.8.2 87/11/24; site hpspcoi.HP.COM
From: rblack@smcnet.smc.edu (Russ Black, Media Center)
Date: Wed, 12 Sep 1990 02:53:39 GMT
Date-Received: Wed, 12 Sep 1990 20:28:12 GMT
Subject: FT-470 Out Of Band MOD.
Message-ID: <1990Sep12.025339.23708@smcnet.smc.edu>
Organization: Santa Monica College, CA 90405
Path: hpspcoi!hpcuhc!hpda!hplabs!sdd.hp.com!elroy.jpl.nasa.gov!ucla-cs!smcnet!
rblack
Newsgroups: rec.ham-radio
Distribution: usa
Sender: rblack@smcnet.smc.edu (Russ Black)
Lines: 12

I recently went to a MARS meeting in my area. I was told that the MARS
freguency I needed was below 144 mHz. A person with a Kenwood TH-75 tried
with his radio, but found out he needed to have his radio modified.

I tried with mine and found out that it got down their on its own without
modifying my FT-470. While thinking I just got to understanding how
Yaseu works (like what they did to the 440 mHz side of my HT), I got a bonus
with having to pay extra.

If you try it on the FT-411 you won't be able to go below 144 mHz.

Russ Black N6YFL

From tom@ksr.com Tue Sep 25 11:39:36 1990
Relay-Version: version Notes 2.8.2 87/11/24; site hpspcoi.HP.COM
From: tom@ksr.com (Tom Varga)
Date: Tue, 25 Sep 1990 18:39:36 GMT
Date-Received: Wed, 26 Sep 1990 03:21:55 GMT
Subject: IC-24AT vs. FT-470
Message-ID: <TOM.90Sep25143936@bigfoot.ksr.com>
Organization: Kendall Square Research, Waltham, MA

Path: hpspcoi!hpcuhc!hpda!hplabs!ucbvax!ucsd!swrinde!zaphod.mps.ohio-state.edu!
samsung!uunet!ksr!tom
Newsgroups: rec.ham-radio
Sender: news@ksr.com
Lines: 24

Well, I've decided to join in on the fun and purchase an HT.

It seems that a lot of you out there already have an HT and I can't
think of a better place to ask for opinions. ;-)>

I've narrowed down my decision to the IC-24AT and the FT-470. Both of
these look like real whiz-bang little toys. The FT-470 is a lot
cheaper, but a little bigger, and heavier. The IC-24AT can do amazing
things with a few mods but would lighten my wallet quite a bit. So
which has the most bang for the buck?

If you have experience with either of these two babies, I'd really
appreciate it if you would send be a note on what you think. I'll post
a summary of the results.

Thanks in advance,
-Tom

```
--
================================================================================
= Tom Varga N2UA/1              617-895-9415            Internet: tom@ksr.com  =
=   There's never time to do it right, but there's always time to do it over.  =
================================================================================
```

From young@dynamo.ecn.purdue.edu Tue Sep 25 12:56:31 1990
Relay-Version: version Notes 2.8.2 87/11/24; site hpspcoi.HP.COM
From: young@dynamo.ecn.purdue.edu (Mike Young)
Date: Tue, 25 Sep 1990 19:56:31 GMT
Date-Received: Wed, 26 Sep 1990 03:21:55 GMT
Subject: Re: IC-24AT vs. FT-470
Message-ID: <1990Sep25.195631.6720@ecn.purdue.edu>
Organization: Purdue University Engineering Computer Network
Path: hpspcoi!hpcuhc!hpda!hplabs!ucbvax!ucsd!usc!samsung!noose.ecn.purdue.edu!
dynamo.ecn.purdue.edu!young
Newsgroups: rec.ham-radio
References: <TOM.90Sep25143936@bigfoot.ksr.com>
Sender: news@ecn.purdue.edu (USENET news)
Lines: 35

I have the 470, and I like it. The 24AT was too much for my wallet,
anyway. With the correct key sequence, the 470 does cross-band repeat (though I
don't need this very often). I do use ALL the memories on 2M, and about half
of them on 440. The 2M receive opens up easily to 130-180 MHz, thus several
of the memories are police, fire, NOAA, etc. A buddy put the rig on his $10k
service monitor, and was astonished at how hot the receiver was. < 0.1 uV at

146 meg. Lighted keypad is nice, though I sometimes wish the lamp button was push on - push off instead of momentary. Dual-band rubber ducky works well. It would be neat if the 440 receive could be extended, but I haven't seen any postings of such a mod.

Some 470 users report intermod problems in high-RF environments; I don't often have that problem, but I hear that Yaesu will do a free mod for those that do. It allegedly involves moving one of the IF's and realigning. The new ones probably don't need the mod at all (already done at the factory).

Signal reports have been consistently good with this unit, and it's built fairly small but solid. I use the 7.2V 600 mAh (FNB-17) pack and the stock vinyl case. Around here, I almost always use lo power, and battery life is very acceptable.

Biggest drawback to this rig is the miniscule speaker. I frequently use an earplug, even inside a vehicle. Maybe someone would be interested in working up an audio-boost mod! :-)

Hope this helps. 73s!

```
--
    |  Mike Young KA9HZE                |       young@ecn.purdue.edu    |
    |  Purdue University EE Dept.       |       ...!pur-ee!young        |
    |  W. Lafayette, IN  47907          |                               |
    -------------------------------------------------------------------
```

From mead@hamal.usc.edu Tue Sep 25 13:04:27 1990
Relay-Version: version Notes 2.8.2 87/11/24; site hpspcoi.HP.COM
From: mead@hamal.usc.edu (Dick Mead)
Date: Tue, 25 Sep 1990 20:04:27 GMT
Date-Received: Wed, 26 Sep 1990 03:21:56 GMT
Subject: Re: IC-24AT vs. FT-470
Message-ID: <27286@usc.edu>
Organization: University of Southern California, Los Angeles, CA
Path: hpspcoi!hpcuhc!hpda!hplabs!sdd.hp.com!usc!hamal.usc.edu!mead
Newsgroups: rec.ham-radio
References: <TOM.90Sep25143936@bigfoot.ksr.com>
Sender: news@usc.edu
Lines: 46
Nntp-Posting-Host: hamal.usc.edu

FT470: better usage of the computer.
-    uhf rec coverage doesn't seem easily expandable
*   memories can be programmed with separate tx & rx freqs which supports any odd-ball offset you may run into.
*   recalled memory can be tuned without having to switch back to vfo mode
*   pl decode freqs can be tuned thru while receiving, if you are nosey
*   true dual receive, tho I usually leave it off.

* lighted keypad (I miss this on the IC-24)

IC-24AT: can't do the 4 * above

- boneheaded programmer of computer made the tx offset step 25khz, instead of a more usable 5khz
- viewing angle of lcd display is narrow
- small, recessed keypad harder to use, especially if you have big fingers, and also if it's in the dark.

* more ruggedly built (my impression..)
* very wide expaned rec range (varies with each radio, however)
  I get <2uV sense 118-135,138-178,335-485,800-960Mhz
* it is cheaper.

My observation is that Yaesu makes much better use of a computer, while skimping on the ruggedness factor, while Icom makes it more drop-proof and hires brain-damaged (or fired Yaesu) programmers.

I bought an FT470 some time ago, I do notice, even after the factory mod, that it is very prone to intermod. But that is a fact of life for any hot, wide coverage receiver in the L.A. basin.
I recently broke down and got the IC-24 thinking I would sell off my FT470 and while I grumble about the shortcomings of both, each has something I like (but not in common), so I'll probably just keep both handy.
I suggest, if you want wide freq coverage and can live with the price and shortfalls, get the Icom....If you want good ham-band functionality and less pocket-picking, get the Yaesu. Or, like I do, ignore any advice and get what you like...

Dick Mead WB6NGC
mead@hamal.usc.edu

From randall@informix.com Fri Jan 18 16:01:31 1991
Relay-Version: version Notes 2.8.4 1990/05/09; site polluxSVALE.HP.COM
From: randall@informix.com (Randall Rhea)
Date: Sat, 19 Jan 1991 00:01:31 GMT
Date-Received: Sat, 19 Jan 1991 16:39:34 GMT
Subject: FT-470 mods and opinion
Message-ID: <1991Jan19.000131.16882@informix.com>
Organization: Informix Software, Inc.
Path: pollux!hpcuhc!hpda!hplabs!pyramid!infmx!randall
Newsgroups: rec.ham-radio
References: <memo.680148@lynx.northeastern.edu>
Sender: news@informix.com (Usenet News)
Lines: 109

In article <memo.680148@lynx.northeastern.edu> sehrlich@lynx.northeastern.edu

writes:
>Hello, again. In a couple of months, if I can afford it, I am going to
>try and purchase the Yaesu FT-470. To aid my purchase, could the readers
>of this journal please send me directly their opinions of this model.
>And, could you also please send me whatever mods you know of for this
>model.
>

Well, this little rig has certainly caused a stir on the net. I own one, and I love it. It's a great value for the money. It's not that hard to use, and in terms of price vs. features, it's a great radio.

The biggest problem with the thing that you will hear about is intermod. I have had a problem with intermod on every HT I have seen, as well as my Cobra handheld scanner. The problem is a bit worse on the 470. My personal opinion (NOT shared by some others) is that the intermod problem on the FT-470 is not that big a deal, and it certainly is not a reason to avoid buying it.

I bought the AA battery case, which is nice to have when the nicads go south. I also have the cigarette lighter plug attachment ... lots of whirring noise when I use it while driving. Also, the little clip-on lapel mike / PTT switch is really nice when walking or bicycling.

Here are the mods to the 470 that I've seen posted on the net. I do NOT guarantee any of them, nor have I tried all of them:

FT-470 MODS

Here is a reposting of the mod to extend the receive range of the new Yaesu dual band handie to 130 - 180:

1. Turn radio OFF.
2. Hold down both UP and DOWN arrows.
3. Turn radio back ON.

To enable VHF transmit:

1. Open the radio such that the two halves open like a sandwich.
2. Locate the internal lithium battery
3. Locate several solder pads to the left of the lithium battery.
4. Just to the top left of the lithium battery is ONE vertical solder pad. It is almost under the top left edge of the battery.
5. solder a jumper accross this pad.

Notes:

The other solder pads do several things, none of which seemed interesting to me: one set VHF band to 144-146, one replaces 2m band with 1260Mhz (would be nice if there was a 1260 Mhz RF module available...), two others seem to disable the squelches for the separate bands...etc. like I said, not too interesting.

Also note that for some reason the automatic repeater shift (- offset below 147, + above etc...) goes away when you enable VHF xmit using this mod. I guess you can't have your cake and eat it to. Oh well...

TO ENABLE EXTENDED VHF/UHF TRANSMIT AND RECEIVE:

Hello FT470 owners... I asked a few weeks ago about mods for the FT470 to make it receive and transmit on additional frequencies. I own(ed) the European version which caters for 144-146 & 430-440. It now transmits and receives 140-174 & 430-440, with additional receive coverage 440-500 MHz! The mod was fiddly as the chip resistors are the size of a pin head. You'll need a fine tipped soldering iron and about 2 hours of patience. Here's how I did it...

```
For 2 metres..  locate R66-69...      R69
which are located at 10 O'clock       |
to the lithium battery.           R68-(lithium
R69 is vertical, R66-68 are       R67-(battery
horizontal.                       R66-(cell
```

The combination you want is: R66 & R68 = 0; R67 & R69 = 1.

Mine came with R66 & R69 set for Europe so I just moved the resistor from position R66 to position R67.

For UHF, locate R70-72 to the top left of the ribbon cable. These are vertical and in the order:

```
     R71 R70 R72
```

The combination you want is: R71 & R70 & R72 = 0.

Mine came with R71 set for Europe so I just took the resistor out and have stuck it to the back of the battery (in case I need to convert back).

If anyone disagrees with these mods and think I've done something wrong, let me know a.s.a.p.

Cheers & 73
de Peter G6ZYT.

--

```
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                          Informix Software, Inc.
Senior Programmer/Analyst, MIS                    uunet!pyramid!infmx!randall


From 5975492361630709874
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,664e527f33bdaf18,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-25 09:01:59 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-
state.edu!rpi!uupsi!cci632!ritcsh!ultb!cep4478
From: cep4478@isc.rit.edu (C.E. Piggott)
Newsgroups: rec.ham-radio
Subject: Re: High cost of magazines
Message-ID: <1991Feb25.170159.2089@isc.rit.edu>
Date: 25 Feb 91 17:01:59 GMT
References: <325@bongo.UUCP> <15780017@hprnd.rose.hp.com>
Organization: Rochester Institute of Technology
Lines: 20


I'm not sure if y'all have had the chance to see it, but the new CQ
publication "Communications Quarterly" is pretty neat.  It's expensive
(the cover price is nearly $10/issue), but it is to come out every
three months, and it is jam-packed with technical information.  At
least in the first issue, no fluff about contests, DX'ing, etc. and
a distinct lack of the "Build-your-own-whiz-bang-qrp-hf-rig" article
that appears every 2-3 months is all the other semi-tech rags.

Just thought I'd mention it.  For everybody who always claimed "there's
no good technical magazine any more!"  now there is one, though it's
a tad on the expensive side.  From the first issue, it looks worth it.


Chris/WZ2B
--
Christopher E. Piggott, WZ2B                     cep4478@ultb.isc.rit.edu
President                                        wz2b.ampr [44.69.0.1]
Rochester Institute of Technology                wz2b @ WB2WXQ
Amateur Radio Club K2GXT                         CEP4478@RITVAXA.BITNET


From -3493614103952305755
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1f6aa41dffd3a545,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-25 10:13:47 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-
state.edu!rpi!uupsi!cci632!ritcsh!ultb!cep4478
From: cep4478@isc.rit.edu (C.E. Piggott)
Newsgroups: rec.ham-radio
Subject: TS-440 10Hz mod + Computer Interface
```

Message-ID: <1991Feb25.181347.4501@isc.rit.edu>
Date: 25 Feb 91 18:13:47 GMT
Reply-To: cep4478@ultb.rit.edu (C.E. Piggott)
Organization: Rochester Institute of Technology
Lines: 24

Greetings.

I have been told by KC3UY and one other person that the widely-published
instruction set for the TS-440S contains an error: it says that you can
flick the 10Hz display on by snipping diode D-60. I have learned that
the diode is actually D-66, snipping D-60 will only frustrate the
operator as he will have to re-solder it back and cut another one.

Can someone verify this information and notify the simtel20 gatekeeper
of the appropriate change?

Also, thanks to everyone who responded about the ts-440s command set.
I sent replies to everyone (including "metoo's"), but much got bounced,
so I didn't ignore you if you didn't get a msg - try again.

Chris/WZ2B
--
```
Christopher E. Piggott, WZ2B                cep4478@ultb.isc.rit.edu
President                                   wz2b.ampr [44.69.0.1]
Rochester Institute of Technology           wz2b @ WB2WXQ
Amateur Radio Club K2GXT                    CEP4478@RITVAXA.BITNET
```

From 8351129887922546947
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,53b982d257459e2b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-25 13:13:00 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!spool.mu.edu!sdd.hp.com!
usc!apple!agate!ucbvax!mp.cs.niu.edu!a10hat8
From: a10hat8@mp.cs.niu.edu ("Henry A. Treftz")
Newsgroups: rec.ham-radio
Subject: Packet BBS on CNN
Message-ID: <9102251604.AA07614@mp.cs.niu.edu>
Date: 25 Feb 91 16:04:52 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8

Future Watch a show on CNN talked about the citation some packet stations
recived because of passing a message about a 1-900 number against the war.
The FCC felt that it was of a commercial nature. I saw it this weekend.

Henry Treftz
KA9RMK
A10HAT8@MP.CS.NIU.EDU

From 2255453332769139824
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e637387bc314d261,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-25 22:31:25 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!spool.mu.edu!uwm.edu!wuarchive!sdd.hp.com!hplabs!hpfcso!billf
From: billf@hpfcso.FC.HP.COM (Bill Flynn)
Newsgroups: rec.ham-radio
Subject: Want Collins S Line Console
Message-ID: <7500090@hpfcso.FC.HP.COM>
Date: 25 Feb 91 18:37:34 GMT
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 15

A friend of mine, Steve Moore, W0SM, (some of you may recognized the name and call as the of the official 'keeper of the list of HP hams') recently picked up a Collins S line at a local hamfest. The seller didn't have the S line console though, and Steve is looking for one.

If you know of someone who has one for sale or if you come across one at a hamfest somewhere, give that person Steve's name, call sign, phone number, etc. I know he'd be interested to hear. You can reach Steve at T-649-5556, or as W0SM@W0LFJ.#NECO.CO.USA.NA on packet, or on HPDESK as Steve MOORE / HP2411.

Thanks,

Bill Flynn, AI0C
billf@hpfiomb.fc.hp.com

From 3295347205234015409
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f179e65e0fba48b8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-25 23:52:57 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!caen!hellgate.utah.edu!dog.ee.lbl.gov!ucbvax!HG.ULeth.CA!oler
From: oler@HG.ULeth.CA (CARY OLER)
Newsgroups: rec.ham-radio
Subject: MAJOR SOLAR FLARE ALERT - 25 FEBRUARY
Message-ID: <910225180050.24001c20@HG.ULeth.CA>
Date: 26 Feb 91 01:00:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 89

-- MAJOR SOLAR FLARE ALERT --

FEBRUARY 25, 1991

Flare Event Summary
Potential Impact Forecast
SATELLITE PROTON EVENT OCCURRED

MAJOR ENERGETIC EVENT SUMMARY

A major proton flare exploded off the southwest limb today. The event began at 08:06 UT, peaked at 08:19 UT and ended at 09:51 UT on 25 February. The flare was rated a class X1.2/2N Tenflare and was associated with strong Type II, III and IV sweeps. Rich radio emissions were observed from this flare. Solar protons arrived and produced a satellite proton event at 12:10 UT on 25 February. The event was short-lived, however, and officially ended a little over an hour later at 13:35 UT on 25 February.

This major X class flare was spawned by Region 6497 which is now crossing behind the western limb. The largest regions on the disk (6509 and 6508) are relatively dormant, despite their Beta-Gamma magnetic configuration.

POTENTIAL TERRESTRIAL IMPACT FORECAST

This flare was a major event and did produce a coronal mass ejection, as is evident by the strong Type II and IV sweeps which were observed. However, this flare was near the western limb and therefore probably will not produce anything too significant in the way of terrestrial impacts. There is some uncertainty regarding this, however, as events which occur near the vernal equinox can become amplified more than expected.

Preliminary analysis suggests that there is a moderate possibility that planetary geomagnetic activity could increase to near minor storm levels on 28 February. An increase in activity is likely, but the amount of coupling which takes place is uncertain.

Geomagnetic activity is expected to increase on 28 February to planetary A-index values between 20 and 35 for middle latitudes. A lesser impact over lower latitudes will likely be observed. High latitudes will suffer the worst conditions, with low to moderate intensity minor storming occurring on 28 February (A-index values between 25 and 38). Middle latitude K-indices could range from 3 to 5 on 28 February. High latitude K-indices could range from 4 to 7. Magnetic fluctuations between 400 and 750 gamma could be observed over high latitudes, while middle and low latitudes will likely witness magnetic fluctuations between 55 and 140 gamma.

Auroral activity will be most intense over the high latitudes and extreme northern middle latitudes. There is a very slight chance that the impact from this flare could be higher than expected, perhaps with brief periods of major storming over middle latitudes. Please note that this is not very likely, but is slightly possible. If impacts are greater than expected, auroral activity could become visible over the northern latitudes north of about 42-44 North latitude.

HF propagation should remain above normal until sometime on 28 February when the interplanetary shock is expected to arrive. An SSC should be observed with the passage of this shock, sometime on 28 February. Thereafter, MUF's should drop combined with increased fading and absorption (particularly over the middle to high latitudes). High latitude propagation has become degraded due to a polar cap disturbance which commenced on 24 February and remains in progress. Things could get significantly worse over the higher latitudes on 28 February if we are in fact affected by this flare. Polar propagation paths will suffer strong absorption and strong flutter and fading if terrestrial impacts materialize.

There is a chance for VHF auroral backscatter conditions to materialize over the middle and high latitudes on 28 February, particularly during the late afternoon hours and again near midnight. However, signal qualities will likely become degraded for most VHF DX signals over the middle and high latitudes.

A recovery is expected on 01/02 March to generally unsettled conditions. We are nearing the vernal equinox now, so geomagnetic activity should become a bit more active soon. A potential geomagnetic storm warning may be issued within the next 24 hours.

There is a slight risk for another major flare from Region 6497. This risk may exist for the next 24 hours (until 27 February). No major flares from the larger regions on the disk are currently anticipated. Low-level M-class flaring could occur from Region 6504, 6508 or 6509.

** End of Alert **

From -7320727827357262868
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5976c2eef8a5b71,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-26 00:11:43 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!convex!texsun!west!L1-A.West.Sun.COM!flloyd
From: flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242)
Newsgroups: rec.ham-radio
Subject: TS-850: Good News / Bad News
Message-ID: <1454@west.West.Sun.COM>
Date: 25 Feb 91 22:48:16 GMT
Sender: news@west.West.Sun.COM
Organization: Sun Microsystems, Phoenix, AZ
Lines: 133

CW MEMORY KEYER

During the past couple of weeks I've gotten a few more surprises from this great rig. The biggest single surprise is that each and every unit comes with a MEMORY CW keyer built in! Contrary to the manual (which is the bad news...), which states unequivocaly that the DVR (Digital Voice Recorder) is needed to give the keyer memory. The manual is simply incorrect out-of-hand on this matter.

I didn't notice that the memory keyer function existed until a friend of mine, AA7GU told me about it. I had still been using my external keyer which had it's own memory. I hadn't noticed the feature because 1) the manual said that it wasn't there, and 2) because the 850's CW memory keyer function only works with the internal keyer.

So there you have it - a memory keyer with three separate memories which can store modestly sized CW phrases like CQ's and other standard stuff. And it works exactly like it states in the manual, except that the manual says that it only works when the DVR option is added.

MEMORY CHANNEL SELECTION

A real oddity with the radio is that you cannot place the radio in memory mode and then use the 10 key pad to select a desired memory channel number. To select any memory channel, you have to turn the memory channel scroll knob. On the other hand, when you are storing VFO data into memory, you can use the 10 key pad to specify a channel number. The reason that it's odd is that the TS440 was able to directly select a memory channel by number and so we're all stumped as to how this one got left out in this rig.

THE MANUAL

Overall, I'd have to rate the manual a 5 on a 1 to 10 scale. I would have expected much better from Kenwood on this one. The problem is that the original documentation was written in Japaneese and the English version was written by a native Japaneese interpreter. The translations are "hard" and you can almost hear a Japaneese accent when you're reading it. It would have been soooo easy for them to hire a native English speaking person (preferably a ham) to do the final editing. I would have gladly done it for them myself, in exchange for a demo unit :-).

The manual contains awkward phrases like "Grounding this pin allows transmission". In this case the sentence means: "Grounding this pin keys the transmitter". There is a subtle difference in the two statements that a non-native English translator could (and did) fail to recognize. In the end, the native English user can be easily confused by ambiguities in the manual's wording.

FSK OPERATION

Several people, including myself, have run into a case where a lot of distortion is produced when the radio is fed audio from a TNC. At first, I thought that the audio level was just too high and so I installed a pot in the TNC to correct it. What turned out to be the case, however, was a ground loop condition between my TNC and the 850. From looking at the schematic, it appears that the ground for the audio input on the data connector must be hooked up to a specific pin, even though there are about 4 different pins labeled GND in the manual. One of these pins is specifically for the audio input and it seems to follow a strange and circuitous route inside the transceiver. In the end, my problem was finally solved by making sure that the frame ground of the TNC was strapped to station ground at the back of the transceiver.

I also found that my TNC, an MFJ-1278, already had a TTL level FSK OUT pin available on its rear panel. I've also discovered that the 850 is perfectly happy with the TTL level signal and now I've abandoned AFSK altogether. The direct FSK works flawlessly in all modes and the amount of carrier shift is easily set using one of the setup menu subfunctions.

In my last article on the 850 I mentioned that the passband was not centered over the signal when one was attempting to receive RTTY with the rig set to LSB and the 500 Hz filters were engaged. After doing some reading I've learned that the centering realized in the FSK mode had to do with the relationship of the BFO frequency and the passband, and not to the passband's itself as I may have led some to believe.

This shifting (offsetting) of the BFO occurs automatically when the FSK mode is selected. The setup menu allows you to specify this shift as either 1225? or 2125? Hz to allow for two types of shifts. Neither one of these helps you receive FSK in LSB since 1225 is still way outside the passband of a 500 Hz filter.

In the end, I'm very glad that I went ahead and hooked up to the direct FSK input - it's very clean and the recieve as well as transmit is completely reliable and hassle free.

BITS AND PIECES

There's still no DSP option (as shown in the magazine ad's) available. They are mysteriously lagging in the supply pipeline. I'm aware of none that have been shipped to anyone. I'm really curious as to what, if any difference it could possibly make.

There is still no brochure available (I collect brochures). The salesman at HRO said that Kenwood would only be wasting money to print one right now, because they are already selling as fast as they hit the shelves.

The service manual, rumored to cost $50, is not yet available. Judging by the latest manuals for the 950 and the 140, it will be a very sizable document containing lots of information, drawings and lists.

Looking at the schematics, it appears that there may be upwards of 64 kBytes of firmware in this machine... Boy, I'd love to see the source... :-) Love to hack it too :-)

SUMMARY

Well, there a few minor gotcha's to this radio but then there has never been a rig that didn't have it's fair share of them. Overall, I'd have to say that the bad points greatly outweigh the good ones by an overwhelming margin. I would certainly buy the rig again without hesitation based on what I know now.

73's

-fred AA7BQ

```
--
| Fred Lloyd  AA7BQ                        Fred.Lloyd@West.sun.com |
| Sun Microsystems, Inc.                                ...sun!flloyd |
| Phoenix, AZ       (reality -- what a concept!)    (602) 275-4242 |
```

From -7711212331946145439
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb816eb229300c66,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-26 04:30:53 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!hplabs!hpda!hpcupt1!tomg
From: tomg@hpcupt1.cup.hp.com (Tom Graham)
Newsgroups: rec.ham-radio
Subject: RTTY Help Please
Message-ID: <58130024@hpcupt1.cup.hp.com>
Date: 25 Feb 91 22:28:31 GMT
Organization: Hewlett Packard, Cupertino
Lines: 11

I have a Commodore C-64 which is not being used currently (the PC clone is used by my son and wife) which I would like to use for getting into RTTY. I would appreciate any pointers to software and/or hardware, preferrably (sp) shareware/freeware, ftp access or other that might help. Please email as I don't think C-64 RTTY stuff will have that great an interest level.

Tom Graham   tomg@hpcupt1.cup.hp.com

N6WLF
Hewlett-Packard
Cupertino, CA

```
From 3762019424569876479
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f305e2be244dfdbc,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa656,f305e2be244dfdbc,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 1991-02-26 10:11:35 PST
Path: gmdzi!unido!ira.uka.de!fauern!NewsServ!buettneb
From: buettneb@Informatik.TU-Muenchen.DE (Bernhard Buettner)
Newsgroups: rec.radio.amateur,rec.ham-radio
Subject: An interview with DXer and Chief OP UG6GAT
Keywords: DX
Message-ID: <1991Feb26.163432.149@newsserv.informatik.tu-muenchen.de>
Date: 26 Feb 91 16:34:32 GMT
Sender: news@newsserv.informatik.tu-muenchen.de
Organization: Technische Universitaet Muenchen, Germany
Lines: 131
Xref: gmdzi rec.ham-radio:20637
Originator: buettneb@gshalle3.informatik.tu-muenchen.de
```

On January 8, 1991 we were visited by UG6GAT (Karen) and his friend
Armen (SWL). Karen is a DXer and chief operator of Radio Club Station
UG7GWO (no, not UG7GWB).
#
The following interview was made with UG6GAT, DL7MAE, DL1VJ, Karen
and me that evening. I hope you find it interesting.

Q. UG7GWO is a radio club station in Yerevan?

A. Yes, UG7GWO is a collective station of a school, named after Admiral Isakov. For 20m we have a 4-el Yagi, 160m and 80m we use a Delta Loop antenna, 40m we have a ground pland, 15 also and 10 also ground plane. There is no way to buy aluminum tubing in the USSR. You can get it only through some connections, let's say you know somebody who is working at an aluminum factory.

Q. How many amateurs are QRV from Armenia?

A. On the paper we have more than 100, but in reality there are only about 10. There are some very active stations in Leninakan, like the radio club UG7GWB, who is very active in the contests, but unfortunately during the earthquake in December 1988 everything was destroyed there.

Q. Do you think UG is the rarest of the Soviet Republics?

A. I don't think so, there are few hams but they are quite active. I think the rarest is UH, Turkoman Republic. But there is at least one who is very active, UH8EA.

Q. Can you explain the licence system in the USSR?

A. We have four categories, the highest, the first category, can work all amateur bands and modes and the power limit is 200 Watts on the HF bands including WARC bands, and 10 Watts on 160m and VHF.

Second category amateurs are limited to 50 Watts, and may use all bands except WARC-bands and 20m Phone. They can also work VHF with 5 Watts output.

Third category stations may work on 80m, 15m CW and 10m CW and SSB with 10 Watts. They can also work VHF 5 Watts.

Fourth category stations can work on 160m only with 5 Watts. This is kind of a Novice license, there is no code requirement. Also amateurs under 16 years can only get a forth category license.

There is kind of a fifth class of hams, those operating from club stations. These people need to have an SWL number only. Before you can pass a license examination you have to prove that you have been actively listening to the bands by submitting SWL cards from a number of stations.

Q. Is there a way to distinguish license categories from callsigns?

A. Before some years, fourth category calls had the prefix 'EZ' and third category calls all started with 'R'. But now this has changed and you cannot tell the license class from the callsign.

Q. What is the biggest difference between German and Soviet amateurs or amateurs in your country?

A. I think there is not too much difference, only one point: You have better equipment and all the equipment is commercial. Most equipment in the Soviet Union is home brew. But I have to say that in some cases the home brew equipment works better than the brand equipment. I have a TS-520 and a home made transceiver - the home-made is better, but it is much bigger and heavier.

Q. What is the most difficult propagation path from UG6?

A. Probably the Caribbean is the most difficult part of the world for us. You can hardly predict band openings to that area. Whenever the guys in the states tell us that there are many Caribbean stations around, I hear nothing. It is a matter of propagation. Usually the Carribean comes up one hour before the states come through.

Q. You are also chasing DX, you got about 300 DXCC countries. What are the big problems for Soviet DXers?

A. The problem is - just like everywhere - to have good antennas and good equipment. Regarding IRCs, we in UG-land have a little advantage over the majority of other Soviet DXers. There are a lot of stations who send cards direct to me and they put IRCs in the envelope. This is true for all the 'rare' or 'semi-rare' USSR republics, but getting IRCs is a major problem for the UA3s and UB5s. From time to time we will give them some IRCs, as a present, but it is very hard for them. I think some time in the futue, the IRC problem will be solved when Soviet Post Offices start selling IRCs too.

Q. Some DX stations complain about never receiving QSLs from some of the rare USSR republics. Can you tell us something about the problems which exist there?

A. The QSL cards via the bureau take a very long time. At the moment, as Armenia is suffering from a blockade, all direct mail is being delayed of course.

Q. Some time ago, there was a rumor that sending QSL cards by mail inside the USSR is free. Is that true?

A. Well, only if you send the cards via the bureau, it is free. But if you send the card through the mail it costs 6 Kopeks, the same price as for a letter. There are local QSL bureaus in each Oblast. UG has its own QSL bureau and if I send my card through the UG-QSL bureau it is free of charge. The Central Radio Club (better known as "P.O.Box 88") handles only cards for outside the USSR. The local QSL bureaus work rather fast, not so the P.O.Box 88. Everybody from outside the USSR says that QSL cards via the buerau take a long time, something like one year.

Q. Is it a problem for Soviet amateurs to get QSL cards printed?

A. Well, you will not find a printig office everywhere which will print your cards. Of course, the Radio Club helps us to get QSL cards, but these are not of the nicest kind. This is why so many cards from the USSR look the same, like the well-known '40-years-victory' QSL. If you want cards with a personal note, you have to find your own way. Those who have their own QSL cards are very lucky and have good connections.

Q. Do you think it would be better for foreign bureaus to send cards not via the P.O.Box 88 but rather to the local QSL bureaus?

A. Yes, I think it would be better and much faster. The Central QSL buerau needs a long time to proceed the QSL cards. It would be a good idea for big Clubs like ARRL and DARC to go via the local bureaus, not via P.O.Box 88.

Q. Is it true that there will be a USSR Callbook?

A. In 1990 a Soviet Callbook was printed, but not all stations are included because the information came a little late to some parts of the USSR and many people missed the deadline. I think it is available to foreigners also, but if I am not mistaken, there are two different USSR-callbooks, one from Byelorussia the other from Krasnodar (UA6A).

73 de Ben, DL6RAI

From -1824262965074228774

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0abe92140cc80e0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-04 03:24:36 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Not quite a flame (was GPS accuracy in wake of Desert Storm?
Message-ID: <1182.27AC59D2@w8grt.fidonet.org>
Date: 4 Feb 91 00:13:19 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 21

> From: trifid@agora.rain.com (Edward Fitzgerald)
> Date: 3 Feb 91 04:34:45 GMT
> Organization: Open Communications Forum
> Message-ID: <1991Feb3.043445.6352@agora.rain.com>
> Newsgroups: rec.ham-radio
>
>
>
> Mr. Waters is quite correct. As a member of rec.org.sca, and quite a
> medieval
> history nut, I might add that the "wonderful" Crusaders killed many Jews

I have always marveled at the curious penchant liberals have for instantly leaping to the defence of their own society's detractors. I suspect it is a form of intellectual Stockholm syndrome.

--
Jim Grubs - Support OPERATION DESERT STORM - the 9th Crusade!
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -1886083923312224227
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,460dab59f0ca41e9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-04 04:14:15 PST
Path: gmdzi!unido!mcsun!uunet!spool.mu.edu!sol.ctr.columbia.edu!emory!ra!jhh1
From: jhh1@ra.MsState.Edu (Jim Harfst)
Newsgroups: rec.ham-radio
Subject: TH-26AT Mods
Keywords: TH-27AT
Message-ID: <jhh1.665647232@ra>
Date: 4 Feb 91 06:00:32 GMT
Lines: 12
Posted: Mon Feb 4 00:00:32 1991

Does anyone have the TH-26AT mods? I saw them in this group a while back and just now have gotten one.

Thanks.

Jim Harfst
Mississippi State University

jhh1@cc.msstate.edu
KB5OFB

From 975693008066563400
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10b271,49f4feb6e9496862
X-Google-Attributes: gid10b271,public
X-Google-Thread: 105d97,49f4feb6e9496862
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-02-04 04:15:13 PST
Path: gmdzi!unido!mcsun!uunet!spool.mu.edu!sol.ctr.columbia.edu!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio,sci.electronics,sci.physics
Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <1991Feb4.062853.21374@athena.cs.uga.edu>
Date: 4 Feb 91 06:28:53 GMT
References: <1167.27A6BD41@w8grt.fidonet.org> <22983@well.sf.ca.us>
Organization: University of Georgia, Athens
Lines: 5
Xref: gmdzi rec.ham-radio:20169 sci.electronics:11264 sci.physics:11321
Posted: Mon Feb 4 00:28:53 1991

Assuming the supply catches up with the demand and these widgets
are available again, how much does a GFS receiver cost?

I'd like to be the first on my block with satellite navigation
in
my car, maybe...

From -5223609893444828951
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c83af0137128e92e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,c83af0137128e92e,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 105d97,c83af0137128e92e,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-02-04 04:19:58 PST
Xref: utzoo rec.radio.shortwave:5441 rec.ham-radio:30507 sci.electronics:17452
Path: utzoo!utgpu!news-server.csri.toronto.edu!cs.utexas.edu!rutgers!kb2ear!n2aam

From: n2aam@kb2ear.UUCP (Dave Marthouse N2AAM)
Newsgroups: rec.radio.shortwave,rec.ham-radio,sci.electronics
Subject: Request for information on gmrs
Keywords: GMRS regulations machine readable form
Message-ID: <1582@kb2ear.UUCP>
Date: 4 Feb 91 12:19:58 GMT
Distribution: na
Organization: KB2EAR Public Access UN*X, Kendall Park NJ
Lines: 16

I am looking for a copy of the regulations governing the gmrs. I would

appreciate it if I can get it in machine readable ellectronic form. Any

information would be appreciated.

Dave Marthouse

packet n2aam @ w2odv-4.nj.usa.na

fidonet dave marthouse 1:107/323

usenet/internet kb2ear!n2aam@princeton.EDU

From 2227924914671980980
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d18c57ac985ab11f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-04 04:26:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcupt1!hprnd!billt
From: billt@hprnd.rose.hp.com (Bill Thomas)
Newsgroups: rec.ham-radio
Subject: Re: Anderson Power-pole connectorw (Was: DANGER in sexless Standard 12V DC Connectors
Message-ID: <15780015@hprnd.rose.hp.com>
Date: 3 Feb 91 19:57:06 GMT
References: <1991Jan21.070246.23768@ux1.cso.uiuc.edu>
Organization: HP Roseville Networks Division
Lines: 86

*** THE SEARCH FOR A STANDARD POWER CONNECTOR ***

The American Radio Relay League recommended the Anderson Powerpole Connectors as League standard for 12 volt power connections. Refer page 60, QST magazine, May 1984 issue for a record of the Director's proceedings.

As of this date, 1/17/89, the following clubs and agencies use these connectors:

American Red Cross, Sacramento Chapter.
Kaiser Hospital, Sacramento, South.
SACPAC (Sacramento Packet Radio Assn).
Sacramento Amateur Radio Club.
Sacramento City Communications Reserve, City RACES/County ARES.
Sacramento Medical Foundation, Blood Bank.
State OES RACES, State of California,
State of California, CalTrans Amateur Radio System (CARS).
State of California, (CALTRANS) Headquarters Equipment Shops.
State of California, (CALTRANS) Transportation Lab.
State of California, Governers Office of Emergency Services (OES) HQ. Sacramento, Ca.
State of California, Health and Welfare Agency, Amateur Radio Station (CARES/SHARES).
Turlock Amateur Radio Club, Turlock, California.
Volunteers in Prevention (VIP), State of California, Division of Forestry, Nevada/Yuba Counties.
Yuba/Sutter Amateur Radio Club.
Yuba/Sutter County Disaster Service Workers.

Not all members have converted over yet. Other clubs have been exposed to the connectors but their status in not known at this time.

Sources of these connectors are:

Anderson Powerpole - Anderson Power Products
145 Newton St. Boston, Ma. 02135
(617) 787-5880
SPC Technology A Mode Connectors - Newark Electronics
Catalog #108, Page 599

The connectors cannot be installed wrong. They are neither male nor female. As the California State OES says "They are sexless". The only mistake that could be made is to get the RED (positive) and BLACK (negative) plastic pieces mixed up, thus reversing polarity.

The 15/30 amp size is commonly used. The plastic parts are the same for 15/30 amp. The silver plated contacts are different only in the barrel the wire goes in. It is smaller on the 15 amp but the contact area is the same as the 30 amp. The connectors dovetail together for a compact unit and can be panel mounted with two aluminum plates available from the supplier.

The suggested configuration is:
Looking at the connection end (opposite of wire end) with HOOD on top, TONGUE on bottom, the RED connector should be on the LEFT, and BLACK connector on the RIGHT. A round toothpick or a steel roll pin, 3/32 inch by 3/8 inch, can be used to lock the two pieces together, and they can be easily separated if needed.

Another nice feature is that when they are disconnected there are no metal parts exposed to short out. The metal contact can be removed from the plastic case using the tip of a thin knife blade. Depress the locking spring located in the lower front of the plastic piece by sliding the metal contact to one side with the blade and pressing down down on the spring while pulling on the wire.

There is one problem that may arise, especially if using a crimper, the contact area of the terminal may get bent down thus causing a loose connection when connected with the other connector. The remedy is simple. Just bend the contact end up slightly, but not enough to make insertion into the plastic piece difficult. There should not be any slack or looseness when the connectors are connected together. A definite click should be heard when inserting the connector in the plastic housing.

The use of these connectors has eliminated the problems of connecting power cables to batteries, and power supplies of different Amateurs equipment. I use these connectors to power my HF and VHF rigs, computers, diskdrives, printers, TV/monitor, scanner, TNC's and etc., etc., etc.

The clubs and agencies listed above have used these connectors during the flood of 1986, the forest fires of 1987 and 1988, and numerous Field Days and DX-peditions.

Les Ballinger, WA6EQQ, State OES Packet Operations Manager,
California Civil Defence Net Manager.

From -1092424742688107175
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a61e0d636e2e3db6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-04 05:42:53 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!evax!utacfd!merch!rwsys!kf5iw!k5qwb!lrk
From: lrk@k5qwb.UUCP (Lyn R. Kennedy)
Newsgroups: rec.ham-radio
Subject: Re: Computer/radio CW interface
Message-ID: <g1Tsw1w163w@k5qwb.UUCP>
Date: 3 Feb 91 15:25:03 GMT
References: <1991Feb2.171020.13384@rodan.acs.syr.edu>
Organization: Radio Amatuer k5qwb
Lines: 23

fzia@rodan.acs.syr.edu (Farrukh Zia) writes:

> Subject: Re: Need a simple computer/radio interface
>
> But this arrangement has not yet worked. The problem is that when
> LM 567 receives a tone at its input, the output switches rapidly
> between 0 and 5V for a few cycles before settling down to 5V (much
> like a contact bounce). Now Super Morse has built in contact
> debounce but somehow its not doing its job properly, because those
> pulses are being read by SM as a series of Es (dits).

>
There is a pin on the 567 which should have a capacitor to gnd which
controls the amplitude filter. A .1 or so capacitor from the output
back to this pin will give u some hysteresis and eliminate the
bounce. some experimentation is in order but it's worked for me

----

73, lrk   utacfd.utarl.edu!letni!rwsys!kf5iw!k5qwb!lrk

P.O. Box 5133, Ovilla, TX, USA 75154

From 7411154081941588558
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,329585a90d3b8aac,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-04 06:54:27 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: Which HT?
Message-ID: <04.Feb.91.12:19:48.GMT.#4879@UK.AC.NWL.IA>
Date: 4 Feb 91 12:16:15 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 30

**Charles E. Watson asks:

>I am planning on buying a dual band radio soon...two weeks.
>I am new to ham radio, in fact I don't have a license yet, waiting for
>Feb. 14. Would users fill me in e-mail about the following brands:
>..
>Yaesu   (Always heard you got what you pay for in this brand, but saw here
>   on rec.ham-radio some Yaesu defenders)
>Kenwood (Seems to have a lot of conveniences but doesn't open up for receive
>   like the IC-24AT, and when hardware moded does it receive 902 to
>   928?)
>Icom   (I like the IC-24AT scan modes, but it doesn't seem to stack up to
>   the TH-77)
>Standard (Have heard they have an all band-radio in Japan, rumor)
>
I would recommend that you try getting a HT which *DOES NOT* have the ability
to have its receive range opened up. Some of the old thumbwheel-controlled
ICOM radios (IC-2E & 4E) were like this. If you go anywhere near a half-way RF
hostile environment, you will suffer desense & intermodulation with almost
all the modern HT's. This can be bad enough to make the radio unusable.

If you want wideband receive, get a scanner. But beware - most scanners seem lousy in a typical urban RF environment too. (wonder which of the scanner manufacturers will be the first to rediscover the 7360 beam deflection mixer?) And be prepared to throw away the rubber-covered-dummy-load supplied with most HT's as an 'antenna'. Try a 1/4-wave whip or something like the AEA half-wave instead. 5 watts to a 'rubber duck' is less efficient than 1 watt and AEA 1/2-wave so for a given coverage you get longer battery life.

Pete Lucas PJML@UK.AC.NWL.IA G6WBJ@GB7SDN.GBR.EU

```
From -284636012742102883
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,187821239012b55,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-04 08:50:21 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!
spool.mu.edu!uunet!shelby!agate!ucbvax!CORNELLC.CIT.CORNELL.EDU!SFP
From: SFP@CORNELLC.CIT.CORNELL.EDU
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9102041442.AA13136@ucsd.edu>
Date: 4 Feb 91 14:42:53 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 66

HELO CORNELLC.BITNET
TICK 0030
MAIL FROM:<info-hams-relay@UCSD.EDU>
RCPT TO:<dist-ham@RPIECS>
DATA
Received: from CORNELLC by CORNELLC.BITNET (Mailer R2.08A) with BSMTP id 0030;
 Sun, 03 Feb 91 09:59:09 EST
Received: from ucsd.edu by CORNELLC.cit.cornell.edu (IBM VM SMTP R1.2.2MX) with
 TCP; Sun, 03 Feb 91 09:59:07 EST
Received: by ucsd.edu; id AA04656
     sendmail 5.64/UCSD-2.1-sun
     Sun, 3 Feb 91 04:30:41 -0800 for mrm
Received: by ucsd.edu; id AA04648
     sendmail 5.64/UCSD-2.1-sun
     Sun, 3 Feb 91 04:30:39 -0800 for /usr/lib/sendmail -oc -odb
 -oQ/var/spool/lqueue -oi -finfo-hams-relay info-hams-list
Message-Id: <9102031230.AA04648@ucsd.edu>
Date: Sun,  3 Feb 91 04:30:37 PST
From: Info-Hams Mailing List and Newsgroup <info-hams-
relay%ucsd.edu@CORNELLC.cit.cornell.edu>
Reply-To: Info-Hams%UCSD.Edu@CORNELLC.cit.cornell.edu
Subject: Info-Hams Digest V91 #134
To: Info-Hams@UCSD.EDU
```

```
Info-Hams Digest            Sun,  3 Feb 91       Volume 91 : Issue 134
```

Today's Topics:
GPS accuracy in wake of Desert Storm?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 3 Feb 91 07:32:41 GMT
From: well!nagle@apple.com (John Nagle)
Subject: GPS accuracy in wake of Desert Storm?
To: info-hams@ucsd.edu

The Trimble Navigation portable GPS receiver, a handheld device intended for small boat navigation and available in boat shops, is being used by U.S. troops. Trimble is manufacturing them as fast as possible, but can't keep up with the sudden demand. They're made in here in Silicon Valley. The militarized portable GPS receivers aren't available in quantity yet, so this commercial unit is being pressed into service.

It's a cute little device. It takes about 30 seconds for it to get a fix, it runs on batteries, and it's watertight. (It even floats.) Trimble doesn't promise accuracy better than a few hundred meters, though, so signal degradation for security reasons probably isn't an issue.

John Nagle

End of Info-Hams Digest
****
.
QUIT

From 7129744331914576948
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1e8c1a5ffe9b9077,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-04 09:18:02 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!lll-winken!uunet!
tut.cis.ohio-state.edu!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: Superregen receiver

Message-ID: <9102041552.AA20434@cmr.ncsl.nist.gov>
Date: 4 Feb 91 15:52:46 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 44

Julian Macassey writes:
> I have a device that transmits AM telemetry at 49 Mhz. I would like to
> build a cheap and dirty, low current receiver for receiving the
> telemetry....

[Egregiously bigoted comments left out here ;)]

> home brew receiver of choice for VHF AM was the super regen. In fact
> the "Benton Harbour Lunchbox" was a Xtal controlled AM TX with a super
> regen receiver. Those were the days when rather than have your own
> repeater, every amateur could have his own frequency.

The superregen's HEYDAY was the 1930s. It was the receiver of LAST RESORT starting immediately after WW II. The superregen is broad as a barn door (>100 kHz) and radiates trash badly. If you add an RF amplifier to reduce the radiation, the thing is as complex as an xtal-controlled converter running into an AM BC receiver. You can just wrap a few turns around the AM receiver's loop ant. to couple the converter into it.
Car radios are really excellent things to use for AM: well-shielded, real coax input, etc. Digitally-tuned ones would be a real pain - only 10 kHz steps

[More left out]

> With all this novice/no-code tech homebrew chatter, how about an
> updated version of the Benton Harbour Lunchbox (both the "Twoer" and
> "Sixer"). Not much simpler or cheaper than that for a homebrew
> project.

Nor much worse, I might add. While W3TFA nearly has WAS using a Sixer as the transmitter, he uses a converter into a REAL receiver, and keys the Sixer on (gasp) CW. Straight AM, with carrier and both sidebands, using low power, is at a terrible disadvantage in covering distance. Hardly better than the equivalently narrow FM used by hams.

Say, maybe there IS a market for a no-frills SSB rig design/kit for 6 meters. With the $65 availability of the milliwatts-to-10 W "brick" amplifier used in many of the Far-Eastern rigs, moderate power output should be a snap.

****
As a "market survey" please rate the importance on a scale
of 0 (NOT important) to 10 (VITAL):
50 MHz SSB TRANSCEIVER INTEREST SURVEY
Cheap ____ Very simple ____ Design _____ Kit _____
Small _____ Hand-held ____ Mobile in car ____
Age of respondent: Under-30 ______ 30 or older _____
License class: (if any) _______
****
73, Bob W3OTC

From 7223303025653435959
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-04 09:59:28 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!wuarchive!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: GPS accuracy in wake of Desert Storm?
Message-ID: <1184.27AD47C5@w8grt.fidonet.org>
Date: 4 Feb 91 16:42:20 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 26

> From: bhoughto@pima.intel.com (Blair P. Houghton)
> Date: 3 Feb 91 20:22:29 GMT
> Organization: Intel Corp, Chandler, AZ
> Message-ID: <2248@inews.intel.com>
> Newsgroups: rec.ham-radio,sci.electronics
>
> In article <1172.27A97FF9@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org
> (Jim Grubs) writes:
> >You're willing to endanger lives just to prove you have a right to shoot
> your
> >mouth off anytime you choose? Being 'right' about abstract consitutional
> >principles is not worth somebody's life. It would be different if you were
> >gambling only YOUR life. You're playing games with someone else's life.
>
> Get a grip, Jim. Nobody's endangering anybody by
> discussing the capabilities of commercially-available
> electronic toys.

Maybe. But since the lives of lots of nice, young people are involved, why take
a chance? Is showing off our 'smarts' here really that important?

--
Jim Grubs - Support OPERATION DESERT STORM - the 9th Crusade!
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 5395183667723353371
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,49f4feb6e9496862
X-Google-Attributes: gid105d97,public
X-Google-Thread: 10b271,49f4feb6e9496862
X-Google-Attributes: gid10b271,public
X-Google-ArrivalTime: 1991-02-04 10:00:20 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!spool.mu.edu!uunet!

olivea!orc!inews!hopi!bhoughto
From: bhoughto@hopi.intel.com (Blair P. Houghton)
Newsgroups: rec.ham-radio,sci.electronics,sci.physics
Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <2254@inews.intel.com>
Date: 4 Feb 91 16:17:11 GMT
References: <1167.27A6BD41@w8grt.fidonet.org> <22983@well.sf.ca.us>
<1991Feb4.062853.21374@athena.cs.uga.edu>
Sender: news@inews.intel.com
Organization: Intel Corp, Chandler, AZ
Lines: 11
Xref: gmdzi rec.ham-radio:20177 sci.electronics:11270 sci.physics:11322

In article <1991Feb4.062853.21374@athena.cs.uga.edu> mcovingt@athena.cs.uga.edu
(Michael A. Covington) writes:
>Assuming the supply catches up with the demand and these widgets
>are available again, how much does a GFS receiver cost?
>I'd like to be the first on my block with satellite navigation
in
>my car, maybe...

About $3K.

--Blair
"Nobody ever said that knowing your exact
position wouldn't affect your momentum..."

From 6464001901722099198
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,365bac818315ea07
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-04 12:34:55 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!spool.mu.edu!uunet!
wuarchive!psuvax1!hsdndev!husc6!genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: Re: Seeking info on keys, keyers, paddles, etc.
Message-ID: <40628@genrad.UUCP>
Date: 4 Feb 91 13:03:46 GMT
References: <28240.27a69d5a@kuhub.cc.ukans.edu> <822@nddsun1.sps.mot.com>
Sender: news@genrad.UUCP
Reply-To: dls@freedom.genrad.COM (Diana L. Syriac)
Organization: GenRad, Inc., Concord, Mass.
Lines: 22

In article <822@nddsun1.sps.mot.com> waters@nddsun1.sps.mot.com (Mike Waters)
writes:
>My advise to a beginner, start with a straight key. Plan to use it for
>6 mos to a year until your speed gets up to 15-20wpm then get an
>electronic keyer.

I'd like to throw in a comment on this. As I was starting, I could COPY

5 wpm fairly easily, but I could not send with any degree of proficiency. I had about given up on Morse code.....then I figured I may as well try an iambic keyer (couldn't hurt!). Within 30 minutes I was able to manage the iambic keyer....AT ABOUT 7 WPM.

I use an iambic keyer. I can't use a straight key.

MY ADVISE is to try both....use the one you can most easily send with.

Diana

```
->Diana L. Syriac      dls@genrad.com         Ham: KC1SP (Sweet Pea)      <-
->I'D RATHER BE FLYING! P-ASEL, INST       CAP: 1LT, Freedom 690 Mobile<-
->GenRad                    AD ASTRA, PER ASPERA       <-
->MS/6, 300 Baker Ave, Concord, Mass.  01742   (508) 369-4400 x2459        <-
```

From -9077972274533125413
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,19e40a5b20d633e4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-04 12:35:55 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!pacbell.com!ucsd!ucbvax!GTE.COM!rossjr%gtec3.dnet
From: rossjr%gtec3.dnet@GTE.COM (Charlie Ross, Jr.)
Newsgroups: rec.ham-radio
Subject: Non-Acidic RTV
Message-ID: <9102041715.AA23980@bunny.gte.com>
Date: 4 Feb 91 17:15:26 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15

About a month ago, a thread here discussed non-acidic RTV... in particular, mention was made that Permatex Ultra Blue brand was available at Ace hardware.

If you drop by your local Ace and don't find it on the rack, don't be discouraged. Ask the salesperson if it can be ordered. It's listed in the Ace catalog that contains automotive supplies and gaskets.

Turn-around time for the order, at least where I went, is supposed to be about four days.

--Charlie
rossjr@gtec3.gte.com
nc1n@nc1n.ampr.org
NC1N @ WA1PHY.MA

From 3238873425843669298

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcac4daa4d00f5fa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-04 13:13:56 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!hp-pcd!hpcvnb!mcross
From: mcross@hpcvnb.CV.HP.COM (Minor_Cross)
Newsgroups: rec.ham-radio
Subject: Re: Medium Wave "clear channels" (was: CNN on shortwave)
Message-ID: <39370001@hpcvnb.CV.HP.COM>
Date: 4 Feb 91 15:35:45 GMT
References: <1991Jan25.233943.18140@informix.com>
Organization: Hewlett-Packard Co., Corvallis, Oregon
Lines: 5

KGO 810 KHz in San Francisco. Antennas were near the south end of the
bay and are phased to have a pattern up and down the coast.

73's
Minor Cross   KD7YJ   HP - Corvallis site, Oregon

From 3022668670174756
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,49f4feb6e9496862
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-02-04 13:14:13 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!cs.utexas.edu!news-server.csri.toronto.edu!utzoo!henry
From: henry@zoo.toronto.edu (Henry Spencer)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <1991Feb4.172140.3507@zoo.toronto.edu>
Date: 4 Feb 91 17:21:40 GMT
References: <1172.27A97FF9@w8grt.fidonet.org>
Organization: U of Toronto Zoology
Lines: 14
Xref: gmdzi rec.ham-radio:20182 sci.electronics:11272

In article <1172.27A97FF9@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
> > >So, Henry, how do you know that Saddam already knows this?
> >
> > Because it's public information.
>
>You're willing to endanger lives just to prove you have a right to shoot your
>mouth off anytime you choose? ...

As your leader says, "read my lips: it's public information". Nobody is
endangering anybody by discussing it in public, because it has *already*
been discussed in public.

```
--
"Maybe we should tell the truth?"      | Henry Spencer at U of Toronto Zoology
"Surely we aren't that desperate yet." |  henry@zoo.toronto.edu   utzoo!henry
```

From -8574064826602331790
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bc4ba2dc50ec65c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,1bc4ba2dc50ec65c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-02-04 13:27:16 PST
Xref: utzoo sci.electronics:18034 rec.ham-radio:31082
Path: utzoo!attcan!uunet!cs.utexas.edu!hellgate.utah.edu!uplherc!wicat!keithm
From: keithm@wicat.UUCP (Keith McQueen)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Flux Gate Compass
Message-ID: <529@wicat.UUCP>
Date: 4 Feb 91 21:27:16 GMT
References: <541@cow.ecs.oz> <2939.279ef15b@iccgcc.decnet.ab.com>
<1991Jan25.032656.3794@syd.dms.CSIRO.AU>
<1991Jan25.165409.8299@news.larc.nasa.gov> <1991Jan28.205348.11533@mtcchi.uucp>
Reply-To: keithm@wicat.UUCP (Keith McQueen)
Organization: WICAT Systems, Orem, Utah
Lines: 12

The REAL question is: If I get one of these and feed it with
1.21 Gigawatts of power from a nuclear reaction, or from a well
placed lightning bolt, can it be used as a time travel machine?

Or is that only if it is mounted in a DeLorean automobile?

:-)

```
--
 Keith McQueen, Wicat Systems Inc. , (801)224-6400      | My opinions are |
 N7HMF @ NV7V.UT.USA.NA (84058), 147.34+, 449.675-      | all mine...     |
 UPLHERC!WICAT!KEITHM                                   | ...so there!    |
```

From 7636173014302665527
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9a7e37e0a5a8ec8b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-04 13:37:04 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!
s5000.RSVL.UNISYS.COM!bert
From: bert@s5000.RSVL.UNISYS.COM
Newsgroups: rec.ham-radio
Subject: U2MIR contact - does this count?
Message-ID: <9102041232.AA20225@s5000.RSVL.UNISYS.COM>
Date: 4 Feb 91 18:32:17 GMT
Sender: daemon@ucbvax.BERKELEY.EDU

Organization: The Internet
Lines: 10

I tried to connect to U2MIR (and U2MIR-1) on packet this weekend and got
a BUSY, followed by the disconnect message from both calls. With 'MCOM ON', I
saw that everybody else was getting the same response: immediate 'DM' status
from U2MIR with no actual connects being made.
Now, this means HE (it?) ACTUALLY HEARD ME, so, does this count?

Sheepishly,
Bert Hyman W0RSB
bert@s5000.rsvl.unisys.com
...!uunet!s5000!bert

From 7895532648470464748
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aa6a3f59af6263fe
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-04 13:37:32 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!
hpcuhb!hpscdc!rkarlqu
From: rkarlqu@hpscdc.scd.hp.com (Richard Karlquist)
Newsgroups: rec.ham-radio
Subject: Re: Another 50 KW station
Message-ID: <5490118@hpscdc.scd.hp.com>
Date: 3 Feb 91 22:13:15 GMT
References: <C79612952B9FC04E94@ulkyvx.bitnet>
Organization: Hewlett-Packard, Santa Clara Div.
Lines: 2

I copied WHAS about a month ago from Silicon Valley. I don't remember hearing
any cochannel interference.

From 4101851696567705543
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,59c1c438e110c283
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-04 13:37:34 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!hplabs!hpcc05!hpcuhb!hpscdc!
rkarlqu
From: rkarlqu@hpscdc.scd.hp.com (Richard Karlquist)
Newsgroups: rec.ham-radio
Subject: Re: P5YL - Slim or Real?
Message-ID: <5490119@hpscdc.scd.hp.com>
Date: 3 Feb 91 22:17:14 GMT
References: <5720098@hplsla.HP.COM>
Organization: Hewlett-Packard, Santa Clara Div.
Lines: 8

North Korea is not a DXCC country because there has never been any
legal operation from there. If there were to be a legal operation

(and approved by the DXCC desk), then N. Korea would be added to the DXCC list. There is a DXCC rule to this effect. Even if the guy were actually in North Korea, the QSO doesn't count for DXCC because he's operating illegally.

Rick N6RK

From -8619391059197313625
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4314dc00cc93339
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-04 13:37:37 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!hpcuhb!hpscdc!rkarlqu
From: rkarlqu@hpscdc.scd.hp.com (Richard Karlquist)
Newsgroups: rec.ham-radio
Subject: Re: Re: MW "clear channels" (80 lines)
Message-ID: <5490120@hpscdc.scd.hp.com>
Date: 3 Feb 91 22:34:18 GMT
References: <9102021214.AA15278@cmr.ncsl.nist.gov>
Organization: Hewlett-Packard, Santa Clara Div.
Lines: 31

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> / hpscdc:rec.ham-radio / rc@CMR.NCSL.NIST.GOV (Robert Carpenter) /  4:14 am  Feb
2, 1991 /
> About 1980 a few Class II-A stations were assigned to I-A channels at the
> "far edge of the country", where the primary Class I station could never be
> heard and the new station would never interfere with the primary station.
>
> The clear channels are:
> 720 US I-A      WGN  Chicago            II-A  KDWN Las Vegas
> 780 US I-A      WBBM Chicago            II-A  KROW Reno
> 830 US I-A      WCCO Minneapolis
> 880 US I-A      WCBS New York           II-A  KRVN Lexington, NE
> 890 US I-A      WLS  Chicago            II-A  KDXU St George, UT 10kW
```

The infinite wisdom of the FCC is underwhelming. Here on the west coast (on the "far edge of the country", at least the lower 48), the three Chicago stations were definitely copiable before the II-A's were added. I can sometimes copy WLS thru KDXU even now when the ionosphere cooperates. When I lived in Seattle, (on the far edge), I could copy WCBS (this was before KRVN).

I have a question about WCCO. There is a 5 KW station in the California mountains east of here that is also on 830 kHz. and wipes out WCCO much of the time. Is this an unlisted class II-A, or does it operate under some other loophole? It is clearly nonsense to say WCCO could never be heard on the west coast. Furthermore, KFI in Los Angeles can be heard in Minneapolis (I used to live there).

A similar situation exists with KOMA (1520) (I-B) which has interference from a 5KW station in Salinas. Luckily, I can null that one as it is 90 degrees away from Oklahoma.

Rick N6RK

From 2109923380481580517
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-04 14:45:28 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <2qyuw3w163w@phoenix.com>
Date: 4 Feb 91 19:02:36 GMT
References: <1184.27AD47C5@w8grt.fidonet.org>
Organization: Not BIFF At All (NBAA)
Lines: 33

jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

>
> > From: bhoughto@pima.intel.com (Blair P. Houghton)
> > In article <1172.27A97FF9@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org
> > (Jim Grubs) writes:
> > >You're willing to endanger lives just to prove you have a right to shoot
> > your
> > >mouth off anytime you choose? Being 'right' about abstract consitutional
> >
> > Get a grip, Jim. Nobody's endangering anybody by
> > discussing the capabilities of commercially-available
> > electronic toys.
>
> Maybe. But since the lives of lots of nice, young people are involved, why ta
> a chance? Is showing off our 'smarts' here really that important?

Ban all books. Ban all TV. The police will be around to collect your radios tonight. All newspapers are to stop printing immediately. Everyone is to stay at home and contemplate their navel. No thinking allowed. Anyone found with a pen or pencil will be shot, no questions. Journalists will be shot as they can't be rehabilitated.

Yeah, I guess those abstract constitutional rights that Jim wants us to give up are not so important. I guess that nobody saw all this dangerous information when it appeared in print the first time. Didn't Saddam say in one interview how much information he got from USEnet?

I don't remember seeing the posting -- what was Saddam's opinion on code/no-code? And does HE give his name when he goes to Radio Shack?

Lighten up, Jim. If it ain't classified, the Iraqi's know it. And it isn't a crusade.

From -8324446414576619891
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,49f4feb6e9496862
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-02-04 14:46:13 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!autodesk!melange!abeals
From: abeals@autodesk.com (Segments Are For Worms)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <abeals.665690808@melange>
Date: 4 Feb 91 18:06:48 GMT
References: <1172.27A97FF9@w8grt.fidonet.org> <2248@inews.intel.com>
Sender: news@Autodesk.COM
Followup-To: rec.ham-radio
Lines: 16
Xref: gmdzi rec.ham-radio:20189 sci.electronics:11275

bhoughto@pima.intel.com (Blair P. Houghton) writes:
>Anyway, he probably knows the insides of every weapon we
>have, having got the info from the salesmen who work for
>the manufacturers of those weapons.

Uh huh.

And "every good spy has a green badge". [or a red badge for LANL]

You still don't publish the data.

Since everyone else has the fab data for the '486, Blair, could you please
publish it? Thanks.
--
Andrew Scott Beals
abeals@autodesk.com

From 615277277630668280
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6263bd4b490629cd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-04 15:06:24 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Derek Wills)
Newsgroups: rec.ham-radio
Subject: P5YL
Keywords: Slim?
Message-ID: <43690@ut-emx.uucp>
Date: 4 Feb 91 20:10:24 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 40

rkarlqu@hpscdc.scd.hp.com (Richard Karlquist N6RK) says:

>North Korea is not a DXCC country because there has never been any
>legal operation from there. If there were to be a legal operation
>(and approved by the DXCC desk), then N. Korea would be added to
>the DXCC list. There is a DXCC rule to this effect. Even if the
>guy were actually in North Korea, the QSO doesn't count for DXCC
>because he's [sic] operating illegally.

(with a call like P5YL you might suspect a Slimess!)

I wouldn't waste the electricity calling P5YL. There is a JA who is known for getting on the air with calls like this - earlier it was P5DX, on 15 cw, and he's been XZ-something as well. It's hard to distinguish between Korea and Japan from here, but the JAs can tell where the op is, and it ain't N. Korea.   When he (?) was on as P5DX, the QSL route was given as "via TDXB", which is "The DX Bulletin" - ironically, the latest issue of The DX Magazine (run by the same person) has an article about an application for new country status for P5 (N. Korea). I don't think the editor is crazy enough to encourage pirate operation as P5 to bolster the case for separate country status.   The article was sort of asking for assurance that N. Korea would count as a separate country, since some USSR hams might try to operate from there, but wouldn't bother if it just counted the same as S. Korea.

The last time P5-something was heard, he (?) changed to a different call on teh same frequency at the same sending speed, a few minutes after closing down as P5-whatever.

OK, there could be a real P5 operating illegally, but the word is that all P5s heard recently are the work or one person who is not in Korea.

Good DX to ya!

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From -5767711309921133882
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,49f4feb6e9496862
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-02-04 15:31:57 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!nddsun1!waters
From: waters@nddsun1.sps.mot.com (Mike Waters)
Newsgroups: rec.ham-radio,sci.electronics

Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <826@nddsun1.sps.mot.com>
Date: 4 Feb 91 19:35:30 GMT
References: <1172.27A97FF9@w8grt.fidonet.org>
Followup-To: rec.ham-radio
Organization: Motorola, Inc., Semiconductor Products Sector
Lines: 24
Xref: gmdzi rec.ham-radio:20192 sci.electronics:11278

In article <1172.27A97FF9@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
> > From: henry@zoo.toronto.edu (Henry Spencer)
> > In article <1321@catnip.berkeley.ca.us> bandy@catnip.berkeley.ca.us (Gun
> > Control is Hitting Your Target) writes:
> > >So, Henry, how do you know that Saddam already knows this?
> > Because it's public information.
>You're willing to endanger lives just to prove you have a right to shoot your
>mouth off anytime you choose? Being 'right' about abstract consitutional
>principles is not worth somebody's life. It would be different if you were
>gambling only YOUR life. You're playing games with someone else's life.

I would be fascinated to know how information that has been published in everything from IEEE Spectrum to Sailing magazine could "endanger lives"?

BTW those "abstract constitutional principles" have been responsible for a lot more good men dying than the entire allied casualties so far in this war! Maybe YOU don't think the U.S. Constitiution is anything more than a some abstract ideal, but some of us disagree.

I would also draw your attention to the fact that Henry Spencer is in Canada which last time I checked was an independant country.

If guns are banned how will Conservatives win arguments?

From 2228627375526200790
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c21e54a5a890ed1a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-04 15:44:14 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!udel!rochester!pt.cs.cmu.edu!chiles.slisp.cs.cmu.edu!chiles
From: chiles@chiles.slisp.cs.cmu.edu (Bill Chiles)
Newsgroups: rec.ham-radio
Subject: Dayton?
Message-ID: <11782@pt.cs.cmu.edu>
Date: 4 Feb 91 20:56:02 GMT
Reply-To: chiles@cs.cmu.edu
Organization: Carnegie-Mellon University, CS/RI
Lines: 6

Can someone provide me with contact information for the Dayton Hamfest. I'd like to call or write for a packet of information. I can't find a QST locally mentioning the event.

Thanks,
Bill

```
From -7324951553124957851
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f1d5cae52f9a591e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-04 15:44:48 PST
Path: gmdzi!unido!mcsun!uunet!abvax!iccgcc!macmillan
From: macmillan@iccgcc.decnet.ab.com
Newsgroups: rec.ham-radio
Subject: PRB-WON / back in combat / de WA8ZHN
Message-ID: <3084.27ad699d@iccgcc.decnet.ab.com>
Date: 4 Feb 91 19:03:08 GMT
Lines: 39
```

QST to all Legal counsel and interested lay-hams.

The latest move that the city is attempting in their quest is to shop for an appraiser to claim that the antenna will impact the property values.

> I received a call, without warning at 8:00 p.m. Saturday evening.
>
> The appraiser's first comment was "I have ten pages in front of me, what does it look like and how high is it."
>
> They didn't give him the drawing of the 4.5" dia. telescoping mast or the antenna drawing or the list towers and tribanders that are already up in Rocky River, OH 44116.

```
Now for the question;  Do you think that they need a FULL
                       appraisal(must inspect house for number
                       of rooms, decor, condition, floor plan)
                       to determine the impact of an antenna
                       on it's value?

                       Is it harassment to send not one but
                       THREE people into my house to snoop?
```

LET THE E-MAIL POUR IN!   73 / Jim WA8ZHN / PRB-WON

----

note-1 FEDERAL court orders on 9-21-90 / 11-13-90 / 01-06-91
and they have paid most of my legal expenses.

note-2 My lawyer is getting the city to certify that they really
are behind this and it's not one of the neighbors trying
"case the joint".

From 1593023485644279937
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,49f4feb6e9496862
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-02-07 03:43:27 PST
Xref: utzoo rec.ham-radio:30678 sci.electronics:17554
Path: utzoo!utgpu!news-server.csri.toronto.edu!bonnie.concordia.ca!uunet!
zaphod.mps.ohio-state.edu!usc!apple!portal!cup.portal.com!ts
From: ts@cup.portal.com (Tim W Smith)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <39009@cup.portal.com>
Date: 7 Feb 91 11:43:27 GMT
References: <1172.27A97FF9@w8grt.fidonet.org> <826@nddsun1.sps.mot.com>
Organization: The Portal System (TM)
Lines: 8

Uh, I think what was objected to in the orignal posting was not
discussing how GPS works and how accurate it is, but the request
for how to get around limitations the military imposes for
security purposes.

That hasn't been discussed in IEEE journals and Sailing, has it?

Tim Smith

From -1152559621570925170
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bc4ba2dc50ec65c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,1bc4ba2dc50ec65c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-02-07 09:10:33 PST
Xref: utzoo sci.electronics:17558 rec.ham-radio:30684
Path: utzoo!utgpu!news-server.csri.toronto.edu!cs.utexas.edu!wuarchive!uunet!
snorkelwacker.mit.edu!shelby!msi.umn.edu!cs.umn.edu!uc!nachos.SSESCO.com!elmquist
From: elmquist@nachos.SSESCO.com (Chris Elmquist)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Flux Gate Compass
Message-ID: <310@nachos.SSESCO.com>
Date: 7 Feb 91 17:10:33 GMT
References: <541@cow.ecs.oz> <2939.279ef15b@iccgcc.decnet.ab.com>

<1991Jan25.032656.3794@syd.dms.CSIRO.AU>
<1991Jan25.165409.8299@news.larc.nasa.gov> <1991Jan28.205348.11533@mtcchi.uucp>
<529@wicat.UUCP>
Followup-To: sci.electronics
Organization: SSESCO Inc., Minneapolis, MN
Lines: 17

In article <529@wicat.UUCP> keithm@wicat.UUCP (Keith McQueen) writes:
>The REAL question is: If I get one of these and feed it with
>1.21 Gigawatts of power from a nuclear reaction, or from a well
>placed lightning bolt, can it be used as a time travel machine?
>
>Or is that only if it is mounted in a DeLorean automobile?

I think it has to be a "flux gate *CAPACITOR*" and you
probably need the DeLorean too...

--
Chris Elmquist, N0JCF
Internet: elmquist@SSESCO.com
   AMPRN: N0JCF@WB0GDB.MN.USA.NA
 BellNet: (612) 785-3516

From 3808814214327909872
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,49f4feb6e9496862
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-02-07 10:03:40 PST
Xref: utzoo rec.ham-radio:30686 sci.electronics:17559
Path: utzoo!utgpu!news-server.csri.toronto.edu!cs.utexas.edu!wuarchive!uunet!
shelby!neon!kaufman
From: kaufman@Neon.Stanford.EDU (Marc T. Kaufman)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <1991Feb7.180340.10395@Neon.Stanford.EDU>
Date: 7 Feb 91 18:03:40 GMT
References: <1172.27A97FF9@w8grt.fidonet.org> <826@nddsun1.sps.mot.com>
<39009@cup.portal.com>
Organization: Computer Science Department, Stanford University
Lines: 16

In article <39009@cup.portal.com> ts@cup.portal.com (Tim W Smith) writes:
>Uh, I think what was objected to in the orignal posting was not
>discussing how GPS works and how accurate it is, but the request
>for how to get around limitations the military imposes for
>security purposes.

>That hasn't been discussed in IEEE journals and Sailing, has it?

Sure it has... Well, at least in Aviation Week. The US Govt has been advertising GPS as good for civil use, then reserving the right to degrade the signal. The recommended way (as seen by civil airlines) to improve accuracy is to use GLONASS, the Russian system, which the Russians promised not to degrade. [let's see how effective Mr. Grubs' rantings are at keeping GLONASS secret from the Iraqis...]

Marc Kaufman (kaufman@Neon.stanford.edu)

From 1053715630787081963
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,49f4feb6e9496862
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-02-07 12:36:19 PST
Xref: utzoo rec.ham-radio:30690 sci.electronics:17562
Newsgroups: rec.ham-radio,sci.electronics
Path: utzoo!henry
From: henry@zoo.toronto.edu (Henry Spencer)
Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <1991Feb7.203619.15088@zoo.toronto.edu>
Organization: U of Toronto Zoology
References: <1172.27A97FF9@w8grt.fidonet.org> <826@nddsun1.sps.mot.com> <39009@cup.portal.com>
Date: Thu, 7 Feb 1991 20:36:19 GMT

In article <39009@cup.portal.com> ts@cup.portal.com (Tim W Smith) writes:
>Uh, I think what was objected to in the orignal posting was not
>discussing how GPS works and how accurate it is, but the request
>for how to get around limitations the military imposes for
>security purposes.
>
>That hasn't been discussed in IEEE journals and Sailing, has it?

Sure it has. Maybe not in sailing, but in the IEEE journals and Aviation Week. There are plenty of potential Navstar users, notably the aviation people, who badly need high accuracy and don't like DoD being able to degrade their navigation aids without warning. Those people have been very interested in ways around the problem, and much has been published on the subject.

--
"Maybe we should tell the truth?" | Henry Spencer at U of Toronto Zoology
"Surely we aren't that desperate yet." | henry@zoo.toronto.edu   utzoo!henry

From -7205827403451561208
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5598ee49a5244cac,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,5598ee49a5244cac,start

X-Google-Attributes: gidfddbf,public
X-Google-Thread: f5cc0,5598ee49a5244cac,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1991-02-08 07:26:18 PST
Xref: utzoo sci.space:27542 rec.ham-radio:30736 rec.ham-radio.packet:5252
Path: utzoo!utgpu!news-server.csri.toronto.edu!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!src.honeywell.com!msi.umn.edu!cs.umn.edu!uc!nachos.SSESCO.com!SSESCO.com!elmquist
From: elmquist@SSESCO.com (Chris Elmquist)
Newsgroups: sci.space,rec.ham-radio,rec.ham-radio.packet
Subject: Keplerian elements by anonymous FTP (How to...)
Message-ID: <311@nachos.SSESCO.com>
Date: 8 Feb 91 15:26:18 GMT
Sender: elmquist@nachos.SSESCO.com
Followup-To: sci.space
Organization: SSESCO Inc., Minneapolis, MN
Lines: 34

Satellite Keplerian Elements Available for Anonymous FTP

For those that are having difficulty receiving the NASA satellite tracking element sets via News postings, I have set up and maintain an archive of these element sets accessable by anonymous FTP.

The server is:

nachos.ssesco.com [192.55.187.18]

T.S. Kelso's element sets (the most current and several previous versions) are maintained in the directory:

sat_elements/nasa

New element sets are posted weekly.

You can also find the Molczan element sets on the same server in the directory:

sat_elements/molczan

These are also updated weekly.

When logging-in to nachos, please use your e-mail address as the anonymous password so that we can trace network problems if they should occur.

Thanks go to T.S. Kelso and Mike McCants for providing these element sets on a regular basis.

Address problems with the server to: elmquist@ssesco.com

From 4705135350231007518
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,49f4feb6e9496862
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-02-08 10:48:59 PST
Xref: utzoo rec.ham-radio:30761 sci.electronics:17590
Path: utzoo!utgpu!news-server.csri.toronto.edu!cs.utexas.edu!oakhill!nddsun1!waters
From: waters@nddsun1.sps.mot.com (Mike Waters)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <830@nddsun1.sps.mot.com>
Date: 8 Feb 91 18:48:59 GMT
References: <1172.27A97FF9@w8grt.fidonet.org> <826@nddsun1.sps.mot.com> <39009@cup.portal.com>
Followup-To: rec.ham-radio
Organization: Motorola, Inc., Semiconductor Products Sector
Lines: 38

In article <39009@cup.portal.com> ts@cup.portal.com (Tim W Smith) writes:
>Uh, I think what was objected to in the orignal posting was not
>discussing how GPS works and how accurate it is, but the request
>for how to get around limitations the military imposes for
>security purposes.
>
>That hasn't been discussed in IEEE journals and Sailing, has it?

Interestingly enough it HAS been!

(I pick my examples carefully you know - GOTCHA! :-))

IEEE Spectrum about 18 months ago
featured a debate about the wisdom of ncrypting parts of the
information. THey drew analogies to WW II navigation aids which were
generally left in place because their removal caused more problems to
our side than aid to the enemy (we used them a LOT more :-))

THey also described several techniques for defeating the encryption
indirectly. (I.e. not by breaking the code).

THe closing comment was an about a reporter who asked a Soviet Military
Attache about the possibillity of their using GPS to target missiles.
The response was essentially "You must be joking. THats the dumbest
thing we could ever do!".

All with far more circulation than Usenet!

Sailing magazine had a writeup on some methods to use GPS in a harbour
provided you has a reference point. THe "fuzzing" only destroys ABSOLUTE
accuracy, not relative accuracy according to their article.

73 Mike   AA4MW

--
*Mike Waters   AA4MW/7 waters@dover.sps.mot.com *

** If guns are outlawed, how will conservatives win arguments? **

From -2981892122856882398
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f6f7aca6bfc648ec,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,f6f7aca6bfc648ec,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1991-02-09 17:25:54 PST
Xref: utzoo rec.ham-radio:30800 sci.space:27569
Path: utzoo!utgpu!news-server.csri.toronto.edu!cs.utexas.edu!swrinde!
zaphod.mps.ohio-state.edu!magnus.ircc.ohio-state.edu!tut.cis.ohio-state.edu!
pacific.mps.ohio-state.edu!linac!att!bellcore!rutgers!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: * SpaceNews 11-Feb-91 *
Keywords: U2MIR-1, Shuttle
Message-ID: <412@ka2qhd.UUCP>
Date: 10 Feb 91 01:25:54 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 134

SB SPACE @ ALLBBS < KD2BD $SPC0211
* SpaceNews 11-Feb-91 *

Bulletin ID: $SPC0211

=========
SpaceNews
=========

MONDAY FEBRUARY 11, 1991

SpaceNews originates at KD2BD in Wall Township, New Jersey, USA. It is published every week and is made available for unlimited distribution.

* U2MIR-1 NEWS *
================
Here is an example of what the U2MIR mailbox help file looks like:

```
B(ye)      B [CR] disconnects you from PMS.
H(elp)     H [CR] or ? [CR] displays this help file.
```

```
J(log)    J [CR] displays a list of callsigns heard (optional date/time)
K(ill)    K n [CR] deletes message number n  (only to/from your callsign).
KM(ine)   KM[CR] deletes all READ messages addressed to your call sign.
L(ist)    L [CR] lists the 10 latest messages.
M(ine)    M [CR] lists the 10 latest messages to/from your callsign.
R(ead)    R n [CR] reads message number n.
S(end)    S (callsign) [CR] begins a message addressed  to (callsign).
          Subject: max 28 characters ending with [CR].
          Text: End each line with [CR]. End message by
           typing /ex [CR]  or  CTRL-Z [CR]
           at the beginning of a new line.
SR(eply)  SR n[CR] Sends a reply to message n prompting only for text.
V(ersion) V [CR] displays the software version of the PMS system.

CMD(B/H/J/K/KM/L/M/R/S/SR/V/?)>
```

U2MIR-5 was active last week when U2MIR-1 was issuing "busy" signals.

* MAGELLAN NEWS *

The Magellan spacecraft has now completed over 944 mapping orbits covering almost 50 percent of the surface of planet Venus. All systems on board the spacecraft are performing well.

* SHUTTLE INFO *

Shuttle Communications Frequencies (UHF-AM)

243.000 MHz	Standard military aircraft emergecy frequency
259.700 MHz	Air-to-ground or suit-to-orbiter
279.000 MHz	Suit-to-orbiter or suit-to-suit
296.000 MHz	Primary UHF downlink
296.800 MHz	Air-to-ground or orbiter-to-suit

The UHF communications system is primarily designed to support duplex voice communications between EVA crew members and the orbiter. Two UHF antennas are used in this system. The primary UHF antenna is an annular slot antenna. The second antenna is a microstrip antenna having a gain of -10dBci, and is primarily used by astronauts in the airlock.

Simplex mode:

The on-board voice signal from the audio system is first clipped to an RMS-to-peak ratio of 0.427 (9.0 dB clipping) and filtered (300-3000 Hz) before amplitude modulating the carrier with a modulation index of 90%. Transmitter power is 10 watts.

EVA Mode:

The UHF communications system can support two astronauts performing EVA for two-way duplex voice transmissions and reception of EKG signals. In the primary mode, the orbiter UHF communications system transmits a 298.600 MHz carrier which is amplitude modulated by the voice signal. It simultaneously receives the 259.700 MHz and 279.000 MHz AM carriers from two astronauts. Each received Am carrier includes a voice channel and a frequency modulated EKG subcarrier channel. Transmitter power is lowered to 250 mW in EVA mode by bypassing the final power amplifier.

S-Band Microwave Frequencies (Wideband FM)

Air-to-Ground : 2205.0, 2217.5, 2250.0, 2287.5 MHz
Ground-to-Air : 2041.9, 2201.4 MHz

2287.5 MHz	Primary digital downlink
2250.0 MHz	Main engine analog telemetry during launch

The voice downlinks employ digital slope delta modulation and are multiplexed with orbiter telemetry. Downlink TV is wideband FM.

* TNX QSL! *

A special thanks to all those who sent QSLs and letters to SpaceNews:

DE8MFJ : Peter Pfliegensdorfer, Haar-Ottendichl, Germany
VK8GF : Jeff Farmer, Alice Springs, Northern Territory, Australia

...and e-mail messages:

VE2DBM, K3GLK, WB3JFS, N4IRR, G6FWT, KL7RH, WB9OEP

* FEEDBACK WELCOMED *

Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

INTERNET : kd2bd@ka2qhd.de.com
PACKET : KD2BD @ NN2Z.NJ.USA.NA
UUCP : ...uunet!rutgers!ka2qhd!kd2bd

MAIL : John A. Magliacane, KD2BD
Department of Electronics Technology
Advanced Technology Center
Brookdale Community College
765 Newman Springs Road
Lincroft, New Jersey 07738
U.S.A.

/EX
--

John A. Magliacane   FAX : (908) 747-7107
Electronics Technology Department AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College   UUCP : ...!rutgers!ka2qhd!kd2bd
Lincroft, NJ 07738 USA   VOICE: (908) 842-1900 ext 607

From -4124085793846856016
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca9fff63cedb43f0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f74ae,ca9fff63cedb43f0,start
X-Google-Attributes: gidf74ae,public
X-Google-Thread: 105d97,ca9fff63cedb43f0,start
X-Google-Attributes: gid105d97,public
X-Google-Thread: f5cc0,ca9fff63cedb43f0,start
X-Google-Attributes: gidf5cc0,public
X-Google-Thread: f8c35,ca9fff63cedb43f0,start
X-Google-Attributes: gidf8c35,public
X-Google-ArrivalTime: 1991-02-10 13:01:15 PST
Xref: utzoo rec.ham-radio:30823 sci.space:27573 sci.astro:11615 sci.electronics:17633 soc.culture.china:44543
Path: utzoo!utgpu!news-server.csri.toronto.edu!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!think.com!linus!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio,sci.space,sci.astro,sci.electronics,soc.culture.china
Subject: Looking for a good job in digital tevevision R&D
Message-ID: <118155@philabs.Philips.Com>
Date: 10 Feb 91 21:01:15 GMT
Sender: news@philabs.Philips.Com
Lines: 12

Hi. Just a quick note that I am looking for a good job in the digital TV area.
Find my resume in   misc.jobs.resumes

I got caught in Philips' reduction in force. Philips is in bad fincinal shape.

Anyway, call me at 201-261-4066. Point any and all headhunters my way.
don't try to e-mail, as my account may be deleted soon. Suprised that it still exists.

Thanks

From -2106455712404789399
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4e0e2a4ebe9b5752,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,4e0e2a4ebe9b5752,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,4e0e2a4ebe9b5752,start
X-Google-Attributes: gidf76e2,public

X-Google-Thread: 105d97,4e0e2a4ebe9b5752,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-02-12 08:48:39 PST
Xref: utzoo rec.ham-radio:30885 rec.ham-radio.packet:5272 rec.ham-radio.swap:1770 sci.electronics:17687
Path: utzoo!utgpu!news-server.csri.toronto.edu!cs.utexas.edu!rice!hsdndev!bbn.com!nic!kira!newton!ertle
From: ertle@newton.uvm.edu (Jim Ertle)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,sci.electronics
Subject: THANKS for o-scope info
Message-ID: <ertle.666377319@newton>
Date: 12 Feb 91 16:48:39 GMT
Sender: news@uvm.edu
Organization: University of Vermont, Department of Computer Science
Lines: 5
Raymond-Protection: enabled

My friend is very greatful for the info, and he's planning to make some calls soon.

Thanks Again!
Jim Ertle

From -528578944293659903
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d03e20086fae61bb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-13 21:44:14 PST
Path: gmdzi!unido!fauern!ira.uka.de!math.lsa.umich.edu!zaphod.mps.ohio-state.edu!rpi!uupsi!cci632!ritcsh!ultb!cep4478
From: cep4478@isc.rit.edu (C.E. Piggott)
Newsgroups: rec.ham-radio
Subject: TS-440S computer interface
Message-ID: <1991Feb14.054414.5477@isc.rit.edu>
Date: 14 Feb 91 05:44:14 GMT
Reply-To: cep4478@ultb.rit.edu (C.E. Piggott)
Organization: Rochester Institute of Technology
Lines: 26

I hate to do this ... but I recently started digging into the TS-440S computer interface again, and I LOST THE LIST OF COMMAND CODES that get sent to and from the tranciever, to make it talk to the computer. Would somebody please e-mail it to me. (I'll accept "metoo's" and re-send).

Looking further, I found that the IC kit that Kenwood sells for abt. $60.00 consists of an 8251 and a 4000 series CMOS part -- a total whopping $3.00 in parts. The IF-232 line level interface, I imagine, is a max232, which is a $5.00 part and would be trivial to fabricate. I'm curious, though, if anybody knows any details on this IF-232, like where it gets its power from (is it on the connector on the back of the rig?). The IF-232 is around $100, but you could (again) build one for a few dollars (less than ten including connectors) in parts.

Thanks in advance to anybody who can mail the 440 command set to me, or
at least point out where I can ftp it from.

Chris/WZ2B

--
Christopher E. Piggott, WZ2B   cep4478@ultb.isc.rit.edu
President   wz2b.ampr [44.69.0.1]
Rochester Institute of Technology   wz2b @ WB2WXQ
Amateur Radio Club K2GXT   CEP4478@RITVAXA.BITNET

From -4389518106415594902
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64209b9e57d00c0f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-14 05:22:44 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!spool.mu.edu!sdd.hp.com!
usc!elroy.jpl.nasa.gov!mahendo!wlbr!lonex.radc.af.mil!szarekw
From: szarekw@lonexc.radc.af.mil (William J. Szarek)
Newsgroups: rec.ham-radio
Subject: Re: antannea
Summary: Resonance is important
Message-ID: <1991Feb14.132244.25848@lonex.radc.af.mil>
Date: 14 Feb 91 13:22:44 GMT
References: <7202.27B503A8@urchin.fidonet.org> <840@nddsun1.sps.mot.com>
Sender: szarekw@lonex.radc.af.mil
Organization: RADC
Lines: 55
Nntp-Posting-Host: lonexc.radc.af.mil

In article <840@nddsun1.sps.mot.com> waters@nddsun1.sps.mot.com (Mike Waters)
writes:
>In article <7202.27B503A8@urchin.fidonet.org>
Christopher.Boone@f8325.n106.z1.fidonet.org (Christopher Boone) writes:
>>** Quoting Brian Hartsfield to All **
>> >
>> >What is the minimum anteanna(sp?) that I would need to be able
>> >to transmit
>> >from? I was told that I couldn't transmit with just a wire
>> >anteanna so
>>** End of Quote **
>>A wire antenna is just fine, Brian! Whoever gave you that info is full of it!
>
>THe old saw is "if it conducts it will radiate, the bigger it is and the
>higher it is the better it will radiate". This ignores a whole lot of
>things, but is basically true as Christopher points out.
>
>A couple of things to watch, with a transmitter you DO need to worry
>about impedance matching at the transmitter end. At HF impedance at the

>antenna really doesn't matter a lot, but it is better if your SWR can be
>held under 2:1 or so with a coax feed line.

****info alert****
This is not true! An antenna will radiate best at a frequency at which it is naturally resonant (468/f[in Mhz]). If fact it often acts like a filter, both on tx and rx. For example a very long antenna may not be able to capture a signal if the signal induces an equal positive and negative voltage in the antenna. Wire antennas work great but you may want to decide which bands you want to operate on and have several wires. Usuially a wire that is an odd number of wavelengths long works pretty well with out too many funny lobes in the pattern.

>the antenna away from "lossy" things like trees as much as possible.

A good idea. The ends of the wire can be near trees but the high current portion of the antenna should be in "free air." Most of the radiation of the antenna is from the high current point. In resonant cases the high current point and the high voltage point will be the same. To figure out where the high current point is, start at the end of the wire and measure in 1/4 wavelength. This is your (first) high current point. On a Dipole this is the center. If you are using a frequency with a wavelength that is shorter than your antenna the next high current point will be 1/2 wavelength away from the first. Notice that even though it will be "negative" when the first point is "positive" that energy will be radiated due to the velocity factor of the wire. This often results in the strange lobes I mentioned earlier, but I won't go into that here.

>long haul DX (>10,000 miles), but there are very few stations THAT far
>away and very few of us can afford anything like that! For example K1MM
>has a 120 ft mono band set up in Mass., but ALSO has a tribander at 60ft
>for Europe. THe tribander consistantly outperforms his monoband beams
>over that path.

I have worked the USSR, China, and Japan from my Jeep! Mobile antennas on HF are lousy. I guess anything is possible if you use CW! :-)

have fun, I always do
buzz

From 2266900335706624676
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f55c99a7c9ecba10,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-14 10:15:04 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!spool.mu.edu!sdd.hp.com!samsung!zaphod.mps.ohio-state.edu!magnus.ircc.ohio-state.edu!csn!pikes!mercury.cair.du.edu!mnemosyne.cs.du.edu!isis!scicom!rockymt!paul
From: paul@rockymt.UUCP (paul)
Newsgroups: rec.ham-radio
Subject: rci2950 mod
Keywords: full freq. coverage
Message-ID: <349@rockymt.UUCP>

```
Date: 14 Feb 91 18:15:04 GMT
Organization: City of Aurora, Communications Dept., Aurora, CO.
Lines: 4

i have an rci-2950 which is now out of warranty so i would like to go into it
and modify it to cover the full 26-30mhz range. i know there is a mod for this
so if you can send me the info,thanks very much.
wg0c paul thompson


From 1075405763010883101
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b9de23ecaae0684,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-15 03:14:04 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!spool.mu.edu!samsung!
zaphod.mps.ohio-state.edu!lavaca.uh.edu!menudo.uh.edu!lobster!lescsse!gamorris
From: gamorris@lescsse.uucp (Gary A. Morris)
Newsgroups: rec.ham-radio
Subject: Re: FCC Regs on-line?
Summary: technicians can operate spacecraft
Message-ID: <1991Feb15.033531.3284@lescsse.uucp>
Date: 15 Feb 91 03:35:31 GMT
References: <1991Feb11.153113.9798@cbnewsl.att.com>
<YETSKO.91Feb11110700@interlan.interlan.com>
Organization: Lockheed Engineering and Sciences
Lines: 17

In <YETSKO.91Feb11110700@interlan.interlan.com> yetsko@interlan.interlan.com (Mike
Yetsko) writes:

>Personally, I'd dust up on the Technician license and get that, then you'll
>have novice privlideges in HF, and full voice (less spacecraft operation)
>from 50MHz on up.
                                                ^^^^ ^^^^^^^^^^ ^^^^^^^^^
Just to clarify, a technician can use satellite communication, and can
even be a control operator of a space station (satellite) or earth station
(ground station used for satellite communication).  A space station can
only be licensed to an Extra class operator but any class licensee can be
designated the control operator of a space station (97.207a).

--GaryM
--
Gary Morris                     Internet: gmorris@nasamail.nasa.gov
Lockheed, Houston, Texas        UUCP:     lobster!lescsse!gamorris
N5QWC/W5RRR                     Phone:    +1 713 283 5195


From -2190156341877262242
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ffb9cb64cc835b60,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-15 06:32:42 PST
```

Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!wuarchive!ukma!vlsi!ulkyvx.bitnet!dpharp01
From: dpharp01@ulkyvx.bitnet
Newsgroups: rec.ham-radio
Subject: RTTY/FAX technical specs needed
Message-ID: <1991Feb15.143242.716@ulkyvx.bitnet>
Date: 15 Feb 91 14:32:42 GMT
Organization: University of Louisville
Lines: 7

I'm interested in building a RTTY/FAX decoder from the ground up (less the receiver). What I need is a good reference book on the various formats currently being used. Nitty-gritty details such as common frequency shifts, speeds, timing and sync information, etc. Any ideas?

David Harpe
University of Louisville

From -824609015679006556
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,acfd7c68a2403622,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-15 09:25:13 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio
Subject: Looking for a QSL manager
Message-ID: <277@platypus.uofs.edu>
Date: 15 Feb 91 12:52:45 GMT
Organization: University of Scranton, Scranton, PA
Lines: 15

Not being a DXer, this is a new type of question for me. I received a QSL card in the mail for TG9TSS. Obviously, someone copied the QSL managers call wrong. I would like to forward it on to the correct QSL manager, but I haven't the foggiest idea who that might be. Can anyone offer some help?? I'd hate to have to just send his card back to him.

Thanks.

bill   KB3YV

```
--
     Bill Gunshannon           |        If this statement wasn't here,
     bill@platypus.uofs.edu    |  This space would be left intentionally blank
     bill@tuatara.uofs.edu     |         #include <std.disclaimer.h>
```

From 4744258750214078903
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,2781991af7b87445,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-15 09:29:28 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: Orbital Elements for MIR
Message-ID: <278@platypus.uofs.edu>
Date: 15 Feb 91 12:56:10 GMT
Organization: University of Scranton, Scranton, PA
Lines: 14

I have had numerous requests for the programs I found for satelite tracking, therefore, I am announcing their availability for anonymous FTP from platypus.uofs.edu. They can be found in the directory pub/HAM-RADIO. The 2 programs are ORBIT3.9 which runs under UNIX, and TRAKSAT which runs under MSDOS.

Enjoy.

bill   KB3YV

```
--
     Bill Gunshannon           |        If this statement wasn't here,
     bill@platypus.uofs.edu    |  This space would be left intentionally blank
     bill@tuatara.uofs.edu     |         #include <std.disclaimer.h>
```

From -5619681844541683906
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,926bef1aa97830a9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-15 11:03:55 PST
Path: gmdzi!unido!mcsun!ukc!acorn!agodwin
From: agodwin@acorn.co.uk (Adrian Godwin)
Newsgroups: rec.ham-radio
Subject: CTSS option for FT73R
Message-ID: <5192@acorn.co.uk>
Date: 15 Feb 91 19:03:55 GMT
Sender: agodwin@acorn.co.uk
Organization: Acorn Computers Ltd, Cambridge, UK
Lines: 10

The FT73R requires an FTS12 option board for use with subaudio tone squelch. I've been given the superficially similar FTS16 board, but the FT73 seems not to recognise that the option is fitted.

Does anybody know what the difference is between the FTS12 and the FTS16 ? I've tried resetting the FT73 with no joy - are there any other tricks required to get it to see the option board (yes, I have RTFM!) ?

-adrian (g7hwn)

```
From -4629094767021921879
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d66c8b76220a5118,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-15 12:48:42 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!spool.mu.edu!sdd.hp.com!
zaphod.mps.ohio-state.edu!know!tegra!vail
From: vail@tegra.COM (Johnathan Vail)
Newsgroups: rec.ham-radio
Subject: Re: Mobile antenna response
Message-ID: <2069@atlas.tegra.COM>
Date: 15 Feb 91 17:15:55 GMT
References: <18230068@hpfcdj.HP.COM> <37573@netnews.upenn.edu>
Organization: Tegra-Varityper, Inc., Billerica, MA
Lines: 23
In-reply-to: depolo@eniac.seas.upenn.edu's message of 14 Feb 91 20:41:21 GMT
```

This is being posted for Thad Stevens:

> OK on using the Austin... Yep they are really nice for a low profile antenna. Diamond does make a tribander as well as the only company I know making a dual bander for 200/135cm (it's a new product) which those with a Kenwood TM-621/631 would love I sure...
>
> Yes, I would appreciate if you would post my e-mail to you on the usenet...add this one too if you like...ANd thinks that's very kind of you.
>
> ...no relation or 'interests' in any antenna or radio companies here...
>
> Thanks again, es 73....have fun...
> Thad KG5ES

-----

jv

```
From 7539465520433575459
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d66c8b76220a5118
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-15 13:02:06 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!samsung!know!tegra!vail
From: vail@tegra.COM (Johnathan Vail)
Newsgroups: rec.ham-radio
```

Subject: Re: Mobile antenna response
Message-ID: <2072@atlas.tegra.COM>
Date: 15 Feb 91 19:09:07 GMT
References: <18230068@hpfcdj.HP.COM> <37573@netnews.upenn.edu> <2069@atlas.tegra.COM>
Organization: Tegra-Varityper, Inc., Billerica, MA
Lines: 67
In-reply-to: vail@tegra.COM's message of 15 Feb 91 17:15:55 GMT

In article <2069@atlas.tegra.COM> vail@tegra.COM (Johnathan Vail) writes:

> This is being posted for Thad Stevens:
>
> > OK on using the Austin... Yep they are really nice for a low profile antenna. Diamond does make a tribander as well as the only company I know making a dual bander for 200/135cm (it's a new product) which those with a Kenwood TM-621/631 would love I sure...

And then what I really meant to post was:

Hello,

I would have posted but local problems....Diamond, Comet and Larsen, all make 200/70 cm dual banders. If you need a little gain than the Austin provides you might look into one of these. Theyare, however, somewhat longer in length. Diamond (and I think Comet) have various versions some with very high gain (and higher prices of course) Larsen tends to be a bit more expensive for the same amount of gain. If you are into some that looks like a celluar phone antenna, check out Diamond. If you are using OTHER than a 1/4 wave (or multiples thereof) (like the Austin) mounting it in the center of the roof is not as important due to the fact that 5/8 and especially 1/2 wave configurations tend to be somewhat ground plane independent. I say 'somewhat' cause they prefer a ground plane but don't mind one that is not perfectly flat and symetrical...THe shortest length versions are usually resonate as a 1/2 wave on 200cm and 5/8 wave on 70cm...33 in long. They have a 1/4 wave stub in the form of a coil (could be enclosed or open...same thing) in the center. Beyond this there are more ocmplex versions with higher gain. Oh, yea the 1/2 x 5/8 wave runs about 2 db on 200cm and 3 db on 70cm and will out perform any 1/4 wave to a station at the horizon....

What do I use ? I build my own (usually). What would I use ? well, here we have mountains so a very high gain (i.e. low signal pattern on the horizon) doesn't work to well for repeaters within 50 mile range (mountains are over 1 mile ABOVE average terrain). Frequently a repeater site is at a 45 degree angle from a mobile location. Having high gain slams most of the signal into the base of the mountain !! So for me a compromise would be a 1/2 by 5/8 configuration. (I'd go with a Diamond with a NMO mount cause they are less $$ than a Larsen and work as well....)

But if your in a area which is mostly flat (MA ?) then you might want as high as gain as you could get limited only by how long an antenna you could tolerate on the rear fender (?) of your car. The idea is to get the signal pattern as low to the horizon as possible...Oh yea Diamond does have some version with the Larsen "NMO" mount these mounts are OK below 500 Mhz. Beyond that they become lossy...(Larsen has a special version for > 500 Mhz)

There you have it ... If you want me to be more specific (i.e. model numbers) let me know (and sources)

Let me know what you end up with and how you like it ... Antennas are what "turns me on" in Ham radio ....

Have fun ...
Thad   KG5ES

PS Diamond has some good duplexers. They seem to have done a good job on a low loss design...

Sorry, jv...

From 1982696104214613288
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a62eb4b98ef8f59,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-15 16:02:27 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Buckmaster "Ham Call" CD-ROM
Message-ID: <28295@ucsd.Edu>
Date: 15 Feb 91 22:45:52 GMT
Organization: The Avant-Garde of the Now, Ltd.
Lines: 8

Well, the new (October 1990) Buckmaster "Ham Call" CD-ROM just arrived, and I'll be integrating it into a packet BBS somehow, but in the meantime, who are the garage-rock bands on tracks 4 and 5, and who is the techno-synth band on track 6? They're pretty good, actually.

Yeah, I stuck it into my audio player. Why not?

Brian Kantor WB6CYT   UC San Diego   brian@ucsd.edu

From -2913146424299856
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c74b78a00d2f8f6,start

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: ff4d9,7c74b78a00d2f8f6,start
X-Google-Attributes: gidff4d9,public
X-Google-Thread: 107ada,7c74b78a00d2f8f6,start
X-Google-Attributes: gid107ada,public
X-Google-Thread: f9532,7c74b78a00d2f8f6,start
X-Google-Attributes: gidf9532,public
X-Google-ArrivalTime: 1991-02-15 16:03:14 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!spool.mu.edu!sdd.hp.com!caen!umich!vela!swood
From: swood@vela.acs.oakland.edu (EVENSONG)
Newsgroups: rec.ham-radio,rec.radio.amateur.misc,mi.wanted,misc.wanted
Subject: WANTED: Azimuth/MUF program listing - 73 Magazine or ???
Keywords: 73 basic program azimuth MUF
Message-ID: <5166@vela.acs.oakland.edu>
Date: 15 Feb 91 22:38:33 GMT
Organization: Oakland University, Rochester MI.
Lines: 30
Xref: gmdzi rec.ham-radio:20584 rec.radio.amateur.misc:46 misc.wanted:6852

I had a program in my Hamshack arsenal back when I still had my Commodore 64 that was from out of a 73 Magazine (amateur radio magazine). It was in basic, and was essentially written for the Commodore 64 & 128 computers.

I am not sure what issue it was in, and thus I can not find the article. I beleive that I would have been 1989, but could have even been from 1988 to early 1990. The program would ask for the date, and the solar index from off of the WWV forcast, and would then ask for the coordinates to the locale that you wished to call. It would thereafter return a chart of the MUF, and best frequencies for operation for every hour of the day. If anyone knows what issue this was in, and or, can send me a listing of the program, it would be most appreciated. I have checked with the local libraries, but none of them carry 73.

I intend to take this program and convert it over to C. That way (after chasing down the original writer, as well as the 73 staff) I will see if we can get it out in teh public domain, as well as possibly back into the magazine. Please, if you have some old magazines around, help me out.

Thanks.

swood
Scott W. Wood

WQ8B (formerly KB8DHV)

```
--
 ---- Insert favorite .signature here ----     | swood@argo.acs.oakland.edu
                            | swood@vela.acs.oakland.edu
Bitnet:       swood@Oakland          | swood@unix.secs.oakland.edu
  UUCP:       ...!uunet!umich!{vela, argo, unix, nucleus}!swood
```

```
From -9203652507265784231
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b9de23ecaae0684
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-15 18:10:04 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!samsung!sdd.hp.com!
hplabs!pyramid!athertn!steveh
From: steveh@athertn.Atherton.COM (Steve Harding)
Newsgroups: rec.ham-radio
Subject: Re: FCC Regs on-line?
Message-ID: <34468@gumbo.athertn.Atherton.COM>
Date: 15 Feb 91 20:46:13 GMT
References: <1991Feb11.153113.9798@cbnewsl.att.com>
<YETSKO.91Feb11110700@interlan.interlan.com> <1991Feb15.033531.3284@lescsse.uucp>
Reply-To: steveh@Atherton.COM (Steve Harding)
Organization: Atherton Technology, Sunnyvale, CA
Lines: 19

In article <1991Feb15.033531.3284@lescsse.uucp> gamorris@lescsse.uucp (Gary A.
Morris) writes:
>In <YETSKO.91Feb11110700@interlan.interlan.com> yetsko@interlan.interlan.com
(Mike Yetsko) writes:
>
>>Personally, I'd dust up on the Technician license and get that, then you'll
>>have novice privlideges in HF, and full voice (less spacecraft operation)
       ------------------------

Not as of today.

>>from 50MHz on up.
>                                                ^^^^ ^^^^^^^^^^ ^^^^^^^^^
stuff deleted
>--GaryM
>--
>Gary Morris                    Internet: gmorris@nasamail.nasa.gov
>Lockheed, Houston, Texas       UUCP:     lobster!lescsse!gamorris
>N5QWC/W5RRR                    Phone:    +1 713 283 5195

KA6ETB
```

```
From -5077444207529832370
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc678e83d80490ec,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-18 04:21:29 PST
Path: gmdzi!unido!fauern!ira.uka.de!math.lsa.umich.edu!zaphod.mps.ohio-state.edu!
usc!apple!agate!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House,
Swindon")
Newsgroups: rec.ham-radio
Subject: Early low-signal-level data transmission method.
Message-ID: <18.Feb.91.12:30:10.GMT.#2177@UK.AC.NWL.IA>
```

Date: 18 Feb 91 12:21:29 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 54

With all the recent discussion on the merits/demerits of DSP vs CW, maybe i can throw in a historical perspective!
The PICCOLO system was developed in the late 1950's/early 60's by a team led by J.D. Ralphs of the British Diplomaytic Wireless Service (part of the Foreign and Commonwealth Office). The first versions used relatively primitive techniques to give a multiplexed radio-telegraph service, later models (typified by the RACAL LA1117 modem, RACAL Communications Ltd, Bracknell, Berkshire, England) were more advanced and compact.
The 'Piccolo' system uses multi-frequency transmission, that is, a series of tones, transmitted over a HF radio link. I quote:

> 'It has been demonstrated that, with few exceptions, if a signal is at all audible then communication is possible with adequate accuracy for most purposes, and it is a routine occurrence for signals to be successfully worked despite their being totally undetectable by the ear of an experienced Morse operator'.

(I guess this was where the 'CW-vs-machines' argument starts off!)

He then goes on to describe a system covering distances from 1500 to 12000 kilometers using 8-meter endfed whip antennas and transmitters of less than 500 watts. The first of these was used in New Delhi (1962) and 'it cleared in a few hours the backlog of traffic which had accumulated despite the strenuous efforts of the operators of two hand-speed Morse channels operating as near to 24 hours per day as propagation conditions would permit'.

Later he states 'that by 1975 virtually no Morse links were operating within the network'.

Note that this is not DSP! The first versions used tuned circuits and tubes, later versions used germanium transistors. The circuitry involved in modulating/demodulating is essentially all analog.

Anyone interested in further reading should get a copy of the book
'Principles and practice of multi-frequency telegraphy'
by J.D. Ralphs (ISBN 0-86341-022-7) published in 1985 by Peter Peregrinus Ltd, London, as part of the IEE Telecommunications series.

Another useful document on PICCOLO is:
Schemel R.E. 'An assessment of PICCOLO, a 32-tone telegraph system' SHAPE Technical Centre memorandum STC TM-337 (1972) File ref. 9980,
DRIC no. P186242

The Ralphs book has a mathematical treatment of the operating principles; if you are familiar with Bessel-functions you will *LOVE* this!!

Also in the above series of books is one by W.B. Robins wntitled 'Phase noise in signal sources'; having read it, i can only assume that it is not on the bookshelves of the designers of most ham-radio synthesizers!

Pete Lucas PJML@UK.AC.NWL.IA G6WBJ@GB7SDN.GBR.EU

From -946329908241685716
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8ceab39a0cbeb008,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-18 06:29:41 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!uakari.primate.wisc.edu!crdgw1!rpi!uupsi!cci632!ritcsh!ultb!cep4478
From: cep4478@isc.rit.edu (C.E. Piggott)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TS440 Computer Interface Questions
Message-ID: <1991Feb18.142941.11987@isc.rit.edu>
Date: 18 Feb 91 14:29:41 GMT
References: <1991Feb17.153218.10689@watserv1.waterloo.edu>
Organization: Rochester Institute of Technology
Lines: 19

In article <1991Feb17.153218.10689@watserv1.waterloo.edu>
rnelson@watserv1.waterloo.edu (Randy Nelson VE3WRN) writes:
>
>   A friend and I are interested in building our own computer interface
>for the Kenwood TS440. We have the chips for the radio and a file describing
>the basics of how the interface works.

Ahhhhh -- found it...on wsmr-simtel20.army.mil:

PD1:<MISC.HAMRADIO>TS440.INTERFACE.1

if you don't have access to simtel20, I'll try to mail it to you.

Chris
WZ2B
--
Christopher E. Piggott, WZ2B   cep4478@ultb.isc.rit.edu
President   wz2b.ampr [44.69.0.1]
Rochester Institute of Technology   wz2b @ WB2WXQ
Amateur Radio Club K2GXT   CEP4478@RITVAXA.BITNET

From 4915359543041808662
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,164c0a10aed2889e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-01 21:09:11 PST
Path: gmdzi!unido!mcsun!uunet!olivea!decwrl!pa.dec.com!shlump.nac.dec.com!koning.enet.dec.com

From: koning@koning.enet.dec.com (Paul Koning)
Newsgroups: rec.ham-radio
Subject: Re: Re: Question about Vacuum Tubes.
Message-ID: <19707@shlump.nac.dec.com>
Date: 1 Feb 91 22:52:32 GMT
References: <13652@will.ntt.JP> <410020@hpqmole.sqf.hp.com>
Sender: newsdaemon@shlump.nac.dec.com
Reply-To: koning@koning.enet.dec.com
Organization: Digital Equipment Co., distributed systems architecture
Lines: 24

|>
|>   I seem to recall that there have been deaths due to mis-handling
|>Beryllium oxide ceramic insulation. This is independant of HT voltage,
|>many modern RF power transistors also pose this threat. Equipment
|>containing BeO (not Danish record players :-)) constitutes a threat
|>even when unpowered.
|>
|> 73   GM4ZNX
|>

I think your statement is a bit too strong. At least that's my understanding from what I've read; not being a toxicologist I'm not an expert, so don't sue me.

My impression is that BeO is safe when it's a solid mass, as it is supposed to be in a working tube or transistor. The danger occurs when you do something to it (such as grinding it, or crushing it) that creates dust, and then you ingest/inhale the dust.

I looked in the Wakefield heat sink catalog for info but didn't find it.
Some similar sort of publication would have more detail, though.

73, paul

From 7734346430842706902
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9bff27800bd08023,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-01 21:10:09 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!bronze!
commgrp@silver.ucs.indiana.edu
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: GPS accuracy in wake of Desert Storm
Message-ID: <1991Feb1.205841.16738@bronze.ucs.indiana.edu>
Date: 1 Feb 91 20:58:41 GMT
Sender: daemon@bronze.ucs.indiana.edu (Mr Background)
Organization: Indiana University
Lines: 19

>...
>PS. The Soviets have their own GPS system too. I believe it's called
>GOSS. No, I don't know what it stands for.
>--
>Joe Garvey   uucp: uw-beaver!sumax!ole!johnny5!garvey

The Soviet system is called GLONASS. I don't know what it stands for either, nor do I know how many satellites are in service. I read that some people at a British university have decoded and published the GLONASS data format (sorry, no references). It uses the same microwave bands as GPS, and a single receiver could theoretically use both systems simultaneously. A possible disadvantage is that current-status information may not be available for GLONASS (as it is for GPS via WWV).

--

Frank   W9MKV   reid@ucs.indiana.edu

```
From -8844491818445437200
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,49f4feb6e9496862
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-02-01 21:37:25 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!decwrl!
deccrl!news.crl.dec.com!shlump.nac.dec.com!koning.enet.dec.com
From: koning@koning.enet.dec.com (Paul Koning)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <19706@shlump.nac.dec.com>
Date: 1 Feb 91 22:41:41 GMT
References: <1154.27A2ECFD@w8grt.fidonet.org>
<1991Jan29.044137.20914@zoo.toronto.edu> <1321@catnip.berkeley.ca.us>
<1991Jan30.232701.25602@amd.com> <1991Jan31.183738@epic.bellcore.com>
Sender: newsdaemon@shlump.nac.dec.com
Reply-To: koning@koning.enet.dec.com
Followup-To: rec.ham-radio
Organization: Digital Equipment Co., distributed systems architecture
Lines: 14
Xref: gmdzi rec.ham-radio:20113 sci.electronics:11238
```

|>
|>Don't forget that the region also has good Loran-C coverage from two
|>permanent chains in Saudi Arabia. My own experience with the Northeast
|>USA Loran-C chain has been repeatable accuracy of 20-40 meters; this
|>is better than the 100 meter figure given for GPS with selective
|>availability turned on.
|>

Repeatability isn't the same as accuracy. Is Loran-C really ACCURATE to the number you quoted? (The FAA writeup about it says otherwise.)

paul

PS. To Jim Grubs: Please SHUT UP.

From -8629704916437548639
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bab22e66db5cb959
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-01 21:40:57 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!pacbell.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Alternative Field 1991
Message-ID: <27271@ucsd.Edu>
Date: 1 Feb 91 23:10:51 GMT
References: <1991Feb1.002017.2872545@locus.com>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 5

We claim extra credit for independence from commercial power - our generator was brought along for the explicit purposes of running the refrigerator and spinning the blender in which we made margueritas on our Field Day expedition to Onyx Peak.
- Brian

From 3057744288923010903
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcac4daa4d00f5fa
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6c37ee251c4a908
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-02-01 22:11:07 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!b-tech!ais.org!danr
From: danr@ais.org (Daniel Romanchik)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Medium Wave "clear channels" (was: CNN on shortwave)
Message-ID: <6Q7+H+G@irie.ais.org>
Date: 2 Feb 91 01:03:36 GMT
References: <2003@ke4zv.UUCP> <1991Jan25.233943.18140@informix.com> <1991Jan31.044319.19722@agora.rain.com>
Sender: danr@ais.org
Organization: UMCC, Ann Arbor, MI
Lines: 18
Xref: gmdzi rec.ham-radio:20115 rec.radio.shortwave:4076

In article <1991Jan31.044319.19722@agora.rain.com> firebug@agora.rain.com (Sam Guidice) writes:

>In article <1991Jan25.233943.18140@informix.com> randall@informix.com (Randall Rhea) writes:
>>In article <2003@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
>>>
>>>............ Also, the intent of the 50,000 watt clear channel rules in
>>>the AM band is to allow regional broadcast coverage already. At least for
>>>the eastern two thirds of the US, WHO in Des Moine covers this nicely.
>>>Their slogan is "From border to border and coast to coast and then some".
>>>Other wide coverage stations are WLS Chicago, WOWO Ft. Wayne, WWL in New
>>>Orleans, WBZ Boston, WLW Cincinati, and good old WSB in Atlanta. There
>>>are several more, but those are the ones I listen to on occasion.
>>>
>>
>>Add KFI 640 Los Angeles to that list.
>>
>Add KEX 1190 in Portland, Oregon to the list also.

One more: WJR 760 Detroit.

From -8378893942396143431
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e4194b04eaf5642,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-01 22:23:54 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: Xmit Mods for IC-735
Message-ID: <1250348@hpnmdla.HP.COM>
Date: 1 Feb 91 16:34:57 GMT
References: <12450@lanl.gov>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 24

> In rec.ham-radio, ee299aj@sdcc6.ucsd.edu (Jung Ching Ho) writes:
>
>   Can you tell me where have you bought your 144MHz to 10 GHz
>   transverter. This sounds interesting that one can converter the HF
>   radio to a all band all mode receiver. Currently, I am using a
>   TS440AT. Thank a lot
>
>   JC, N6YEI

See February/June/October 1988 issues of Ham Radio Magazine for my series on microwave station design. It details the 10368 MHz transverter but 1296 and 2304 versions come basically for free once you have 10368 built. Since the series I have added 50 MHz through 900 MHz and 1269 MHz (Oscar mode L) local oscillators to complete vhf through microwave coverage (well almost, wb7abp has been trying to get me to complete 24 GHz so I can work him). If you are interested and want more information please let me know.

73

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From -7131654219822599609
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,59c1c438e110c283,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-01 22:24:04 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!bloom-beacon!snorkelwacker.mit.edu!think.com!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!hplsla!charlier
From: charlier@hplsla.HP.COM (Charlie Panek)
Newsgroups: rec.ham-radio
Subject: P5YL - Slim or Real?
Message-ID: <5720098@hplsla.HP.COM>
Date: 1 Feb 91 17:32:44 GMT
Organization: HP Lake Stevens, WA
Lines: 20

Last night on 15 CW, I answered a CQ from P5YL. Not being able to find P5 on my DXCC list, I asked "Kim" his QTH. He replied "PYOUNGYANG <garbled>TH KOREA". I thought "Oh, a new prefix for South Korea", and left it at that. Then I looked at a map. Pyoungyang (I may have the spelling wrong) is in NORTH Korea! There was no pile up on this guy. Did I work my first genuine Slim? I looked at the "International Callsign Allocations" in the Callbook, and sure enough, P5 is allocated to the Peoples Republic of Korea (North). I've never heard of any actual ham radio operation from North Korea, not surprisingly, as it's even more of a restricted society than Albania.

Even if it were for real, why is North Korea not a DXCC country? Are there political reasons for this, or is it simply that there never has been any activity from there, and this is a moot point? If we consider the Russian Republics, and Hawaii to be DXCC countries, why not North Korea?

Charlie Panek (UUCP: hplabs!hp-pcd!hplsla!charlier)
KX7L   (SMTP: charlier@lsid.hp.com)

From 3044615419339617223
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,52e6610d50ecf427
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-01 22:57:38 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!hplabs!

hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Who speaks English?
Message-ID: <1250350@hpnmdla.HP.COM>
Date: 1 Feb 91 20:15:53 GMT
References: <"31-Jan-91.14:46:14.GMT".*.hugh_davies.wgc1@rx.Xerox.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 16

In rec.ham-radio, hugh_davies.wgc1@rx.xerox.com writes:

>Dave Heller (csn!ub!dsinc!wells!k3tx@handies.ucar.edu) says "The converse is
>the average G. They ALL need a couple years residence in Texas to learn to
>speak English properly; big problem is they don't know it".

>If you're not kidding, then I'd like to point out that *none* of you you lot
>across the pond speak "English" (expats and those with British educations
>excepted). You may speak "American" or even "American English", but *not*
>"English". Us English people speak English. And there's no such dialect as
>"British".

Flamed in wrong direction. Texans do not speak "American English".

AL N1AL
"Born in PA, licensed in CT, live in CA"

From -2436607637035540629
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d20358612653545a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-01 22:57:41 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!hplabs!
hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: What do I want in a radio?
Message-ID: <1250349@hpnmdla.HP.COM>
Date: 1 Feb 91 19:51:11 GMT
References: <28.Jan.91.11:25:51.GMT.#8659@UK.AC.NWL.IA>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 19

In rec.ham-radio, d_reeves@oxy.edu (Bryan Douglas Reeves) writes:

>In article <28.Jan.91.11:25:51.GMT.#8659@UK.AC.NWL.IA>, Pete Lucas
>(Pjml@ibma.nerc-wallingford.ac.uk) writes:
>>How many advertisements do you see that promote the 'bells & whistles'
>>side of a radio (number of memories, digital voice storage) yet fail to
>>even state the shape-factor of the filters or the intercept points of
>>the frontend? Dammit, am i buying a radio or a speech synthesizer?

>I agree. I wish someone made affordable, simple, great radios.

Drake used to before they got out of the ham radio business. Like the TR-7.
Nary a bell nor a whistle, but +20 dBm third-order intercept, low phase
noise (compared with most other synthesized radios), continuous-duty power
amplifier, switchable filters independent of mode, passband tuning, and
provision for use with companion R-7 receiver. It makes me wonder what
their latest radio would be like if they had stayed in the business.

AL N1AL

From 6702875555394705977
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67e9541837b6b071,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-01 23:24:34 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!samsung!cs.utexas.edu!
news-server.csri.toronto.edu!utgpu!watserv1!ria!uwovax.uwo.ca!51160_1477
From: 51160_1477@uwovax.uwo.ca
Newsgroups: rec.ham-radio
Subject: KENWOOD REPLACING 731?
Message-ID: <1991Feb1.150446.8468@uwovax.uwo.ca>
Date: 1 Feb 91 20:04:46 GMT
Lines: 13

Has anyone heard if Kenwood has plans to replace the 731 mobile with
something new?

I just bought a TH77A handheld and love it. Would like the same
features in a mobile.

Please post any info.

Thanks and 73.

Dave Colvin VE3ZDC
University of Western Ontario
London, Ontario

From -1407892629375180855
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a2ca3fd65113b16
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-01 23:55:51 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!bloom-beacon!
snorkelwacker.mit.edu!usc!samsung!rex!ames!tgv.com!garlough
From: garlough@tgv.com (Trey Garlough)
Newsgroups: rec.ham-radio
Subject: Re: North American 85 DXpedition
Message-ID: <1991Feb1.235852.23492@news.arc.nasa.gov>
Date: 1 Feb 91 23:58:52 GMT

References: <98952@aerospace.AERO.ORG>
Sender: usenet@news.arc.nasa.gov (USENET Administration)
Reply-To: trey@tgv.com (Trey Garlough)
Organization: TGV
Lines: 13

In article <98952@aerospace.AERO.ORG>, obrien@aero.aero.org (Michael O'Brien) writes:
|On 15 meters, I just worked k5mk/4, announcing himself as the "North
|American 85 Expedition to St. George Island". I've never heard of
|this - anybody have any further information?

Just a guess, but the Islands On The Air people speak this kind of language. If so, then St. George Island would be island # NA-85 on the IOTA list.
--
Trey Garlough
TGV, 603 Mission Street, Santa Cruz, CA 95060
trey@tgv.com (Internet)

From -5101686907628265034
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a2ca3fd65113b16
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-02 01:35:53 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: North American 85 DXpedition
Message-ID: <58130021@hpcupt1.cup.hp.com>
Date: 1 Feb 91 18:57:25 GMT
References: <98952@aerospace.AERO.ORG>
Organization: Hewlett Packard, Cupertino
Lines: 13

You have just stumbled across a IOTA operation. IOTA is Islands On The Air. It was origianted in England several (Many?) years ago. Many of the Islands of the world are assigned a number and people go there to work others. Like DXCC, there are awards and various levels of achievement. The North American 85 is the designation of St. Georges island. So if you worked him and got the QSL card, you have confirmed one of the islands. Unlike DXCC where there are few, if any, new ones, IOTA abounds with islands that have never been activated before or have been many years since the last operation.

More information can be obtained from DX Bulletin in Fullerton, CA or e-mail me and I will give you more info.
73's, Jim, WA6SDM
holly@hpcupt1.cup.hp.com

From 7484352534622732795

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28e898faf623e65d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-02 04:22:58 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: GEOMAGNETIC STORM WARNING UPDATE (02 FEBRUARY)
Message-ID: <910201224031.2ae00385@HG.ULeth.CA>
Date: 2 Feb 91 05:40:31 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 85

```
*********************************************
***    GEOMAGNETIC STORM WARNING UPDATE   ***
*********************************************
```

02 February, 1991

Informational Update
Solar Activity Forecast

ATTENTION:

An interplanetary shock was observed at 18:42 UT on 01 February in response to the major X-class proton flare of 31 January. This was followed by minor geomagnetic storm periods until about 23:00 UT on 01 February. Activity has since declined to active levels.

Magnetic activity is expected to intensify back to minor storm levels this UT day (02 February). Magnetic A-index values are still expected to reach 45 over the middle latitudes. There are expected to be periods of major geomagnetic storming over middle latitudes.

A low latitude auroral activity warning remains in effect for 02 February, although the potential for observable low-latitude activity has decreased due to the storm detensification which has been observed over the past several hours. Also, lunar interference is expected to significantly hamper attempts to view auroral activity over low and middle latitudes.

A magnetic storm has not yet been officially declared. Activity has not yet attained storm levels for a sufficient duration or intensity to be classified as a true magnetic storm. However, a minor to major geomagnetic storm is still expected. Hence, the geomagnetic storm warning continues to remain in effect. A geomagnetic storm alert may be issued today if storm intensification occurs.

The potential electrical anomaly warning associated with geomagnetically induced currents remains in effect for 02 February, although the probability for magnetic excursions capable of producing influential induced currents has diminished notably. An alert for this phenomena will not likely be issued.

Geomagnetic storming is expected to maintain levels of minor storming through 03 February. A gradual return to normal conditions is expected on 03 and 04 February.

HF radio propagation has experienced degraded radio conditions over the past 12 hours (since the arrival of the shock), however the uncharacteristically low levels of activity which have been observed indicate that radio propagation may not be affected as adversely as originally predicted. Some significant degradation is still expected when (and if) reintensification of the storm occurs. But for the most part, radio propagation should remain generally poor with periods of very poor conditions over all latitudes. High latitudes will remain mostly very poor.

The potential for auroral backscatter communications on VHF bands has diminished somewhat, although there is still a good chance for some backscatter communications during the more intense periods of magnetic and auroral activity.

The risk for major solar flaring remains high. Region 6471 (now near S12W11) is the most capable region for producing high terrestrial impacts. However, this region has been unusually quiet, despite several areas of observed magnetic shear as well as several areas with magnetic delta configurations. This region remains highly complex and contains high magnetic gradients. But it has not produced any noteworthy flaring for several days now. High terrestrial impacts are possible from this region should major flaring occur within the next three days. Thereafter, the potential potency of terrestrial impacts will decrease.

The satellite proton event ended at 15:40 UT on 01 February. The PCA event also ended on 01 February. There is a moderate to high risk for another proton flare from the regions currently visible. The regions nearing the western limb (6462, 6466 and 6469) remain capable of producing another proton event, but the greatest risk at present is Region 6471, which is due to begin spawning major flares anytime now. The recent development of magnetic shear in this region lends further support to the prediction for major flaring from this region. Watch for possible flare and/or magnetic storm alerts.

** End of Warning **

From -1364323344794573872
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,888e0e3013798541,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-02 04:23:01 PST

Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!
ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletin Format
Message-ID: <9102020314.AA17971@blackbird.afit.af.mil>
Date: 2 Feb 91 03:14:48 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 69

As a service to the satellite user community, the following description of the NASA Prediction Bulletin's two-line orbital element set format is uploaded to sci.space on a monthly basis. The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

Data for each satellite consists of three lines in the following format:

```
AAAAAAAAAAA
1 NNNNNU NNNNNAAA NNNNN.NNNNNNNN +.NNNNNNNN +NNNNN-N +NNNNN-N N NNNNN
2 NNNNN NNN.NNNN NNN.NNNN NNNNNNN NNN.NNNN NNN.NNNN NN.NNNNNNNNNNNNN
```

Line 1 is a eleven-character name.

Lines 2 and 3 are the standard Two-Line Orbital Element Set Format identical to that used by NASA and NORAD. The format description is:

Line 2

Column	Description
01-01	Line Number of Element Data
03-07	Satellite Number
10-11	International Designator (Last two digits of launch year)
12-14	International Designator (Launch number of the year)
15-17	International Designator (Piece of launch)
19-20	Epoch Year (Last two digits of year)
21-32	Epoch (Julian Day and fractional portion of the day)
34-43	First Time Derivative of the Mean Motion or Ballistic Coefficient (Depending on ephemeris type)
45-52	Second Time Derivative of Mean Motion (decimal point assumed; blank if N/A)
54-61	BSTAR drag term if GP4 general perturbation theory was used. Otherwise, radiation pressure coefficient. (Decimal point assumed)
63-63	Ephemeris type
65-68	Element number
69-69	Check Sum (Modulo 10) (Letters, blanks, periods = 0; minus sign = 1; plus sign = 2)

Line 3

Column	Description
01-01	Line Number of Element Data
03-07	Satellite Number
09-16	Inclination [Degrees]
18-25	Right Ascension of the Ascending Node [Degrees]
27-33	Eccentricity (decimal point assumed)
35-42	Argument of Perigee [Degrees]
44-51	Mean Anomaly [Degrees]
53-63	Mean Motion [Revs per day]
64-68	Revolution number at epoch [Revs]
69-69	Check Sum (Modulo 10)

All other columns are blank or fixed.

Example:

```
NOAA 6
1 11416U          86 50.28438588 0.00000140           67960-4 0  5293
2 11416  98.5105  69.3305 0012788  63.2828 296.9658 14.24899292346978
```

Note that the International Designator fields are usually blank, as issued in the NASA Prediction Bulletins.

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

---

From -3992087566661378651
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f0494174ae5f444d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-02 04:23:05 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: quote without comment
Message-ID: <9102020506.AA05191@ucsd.edu>
Date: 2 Feb 91 05:06:43 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 2

At least one personlocally, obviously an old fart, thought Apple was asking for 160m.

From 4362237775403171039
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4314dc00cc93339,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-02 04:27:32 PST

Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: MW "clear channels" (80 lines)
Message-ID: <9102021214.AA15278@cmr.ncsl.nist.gov>
Date: 2 Feb 91 12:14:06 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 77

Medium Wave (AM broadcast) "clear channel" Class I stations are protected from co-channel and adjacent-channel interference in BOTH their primary [local] coverage area and their night-time skywave coverage area. No other station class has its sky-wave [ionospheric] area protected against interference. Power allowed Class I stations range from 10 to 50 kW (I think all are actually 50 kW). There is only one primary station on Class I-A channel. There are two primary stations on Class I-B channels. Just after WW II, a number of daytime-only stations were also assigned to the clear channels, and some of these have been upgraded to more- or full-time, with resulting increased interference. About 1980 a few Class II-A stations were assigned to I-A channels at the "far edge of the country", where the primary Class I station could never be heard and the new station would never interfere with the primary station.

The clear channels are:

540	Canadian I-A					
640	US I-A	KFI	Los Angeles			
650	US I-A	WSM	Nashville			
660	Mex/US I-B	WFAN	New York			
670	US I-A	WMAQ	Chicago	II-A	KBOI	Boise
680	US I-B	KNBR	San Francisco	I-B	WPTF	Raleigh ?
690	Canadian I-A					
700	US I-A	WLW	Cincinatti			
710	US I-B	WOR	New York	I-B	KIRO	Seattle ?
720	US I-A	WGN	Chicago	II-A	KDWN	Las Vegas
730	Mexican I-A					
740	Canadian I-A					
750	US I-A	WSB	Atlanta			
760	US I-A	WJR	Detroit			
770	US I-A	WABC	New York	II-A	KKOB	Albuquerque
780	US I-A	WBBM	Chicago	II-A	KROW	Reno
800	Mex I-A					
810	US I-B	KGO	San Francisco	I-B	WGY	Schenectady
820	US I-A	WBAP	Fort Worth			
830	US I-A	WCCO	Minneapolis			
840	US I-A	WHAS	Louisville			
850	US I-B	KOA	Denver	I-B	WHDH	Boston or WUTK Knoxville ?
860	Canadian I-A					
870	US I-A	WWL	New Orleans			
880	US I-A	WCBS	New York	II-A	KRVN	Lexington, NE
890	US I-A	WLS	Chicago	II-A	KDXU	St George, UT 10kW

```
900 Mex I-A
940 Mex and Can I-A
990 Can I-A
1000 Mex&US I-B WLUP Chicago
1010 Can I-A
1020 US I-A     KDKA Pittsburgh         II-A  KCKN Roswell, NM
1030 US I-A     WBZ  Boston             II-A  KTWO Casper, WY
1040 US I-A     WHO  Des Moines
1050 Mex I-A
1060 Mex&US I-B KYW  Philadelphia
1070 Can&US I-B KNX  Los Angeles
1080 US I-B     WTIC Hartford           I-B   KRLD Dallas
1090 MEX&US I-B KAAY Little Rock        I-B  WBAL Baltimore
1100 US I-A     WWWE Cleveland
1110 US I-B     KFAB Omaha              I-B  ?
1120 US I-A     KMOX St Louis
1130 Can&US I-B KWKH Shreveport
1140 Mex&US I-B WRVA Richmond
1160 US I-A     KSL  Salt Lake City
1170 US I-B     KVOO Tulsa              I-B  WWVA Wheeling, WV
1180 US I-A     WHAM Rochester, NY
1190 Mex&US I-B WOWO Fort Wayne, In
1200 US I-A     WOAI San Antonio
1210 US I-A     WCAU Philadelphia       II-A KGYN Guyman, OK  10kW
1220 Mex I-A
1500 US I-B     WTOP Washington         I-B  KSTP St Paul, MN
1510 US I-B     WLAC Nashville          I-B  KGA  Spokane
1520 US I-B     WWKB Buffalo            I-B  KOMA Oklahoma City
1530 US I-B     KFBK Sacramento         I-B  WCKY Concinnati
1540 Bahamas I-A
1550 Can&Mex I-B
1560 Cuba&US I-B WQXR New York
1570 Mex I-A
1580 Can I-A
```

73, Bob W3OTC

From 2899184668671600126
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,734d408930003605
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-02 05:54:39 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hplvec!brian
From: brian@hplvec.LVLD.HP.COM (Brian Wood)
Newsgroups: rec.ham-radio
Subject: Re: FCC Citation of Packet BBSs for Store-and-Forward Msg
Message-ID: <2190008@hplvec.LVLD.HP.COM>
Date: 1 Feb 91 18:54:42 GMT
References: <579@scheat.gsfc.nasa.gov>
Organization: Hewlett-Packard Co., Loveland, CO
Lines: 13

I suggest you get a DOS copy of 'grep', usually a UN*X command, and do a primitive search on all files actually posted to your board. Maybe you could also temporarily store messages passing through and grep them as well before forwarding them. Grep is a file search utility. You could search for certain keywords that are notorious for being inflammatory. Thus you could bounce files back to owners without having to actually READ them.

I realize this doesn't solve the more global problem, but the intent would certainly be recognized if it became necessary to prove yourself in court or in letter to the FCC.

Brian Wood W0DZ

```
From 2488736586414693679
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,734d408930003605
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-02 05:55:28 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: FCC Citation of Packet BBSs for Store-and-Forward Msg
Message-ID: <16357@crdgw1.crd.ge.com>
Date: 2 Feb 91 13:31:23 GMT
References: <579@scheat.gsfc.nasa.gov> <43321@nigel.ee.udel.edu>
<1991Jan31.194013@epic.bellcore.com>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 20
In-reply-to: karn@epic.bellcore.com (Phil R. Karn)
```

In article <1991Jan31.194013@epic.bellcore.com>, karn@epic (Phil R. Karn) writes:

>Ahem. Be that as it may... the point of W3IWI's posting was not to
>debate the merits of a particular posting about the war. He was calling
>attention to the FCC's unrealistic policy of holding each and every
>PBBS, digipeater, or repeater licensee responsible for every message
>that passes through them, as opposed to holding only the originator
>responsible.

The question is whether this is "policy" or just one guy getting carried away and burning through his whole pad of citation slips.

A check of the rulebook shows that VHF packet forwarding stations are given a specific exemption allowing automatic control, while originating stations are specifically not. That sure makes it sound like sound like forwarding stations don't have to screen all messages.

-Don Perley - ke2tp
perley@trub.crd.ge.com

From -1595444268392521733
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,74e1569f724798d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-02 06:12:44 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!BANUFS11.BITNET!DAULIE
From: DAULIE@BANUFS11.BITNET
Newsgroups: rec.ham-radio
Subject: Re: New callsign server
Message-ID: <91033.145127DAULIE@BANUFS11.BITNET>
Date: 2 Feb 91 13:53:08 GMT
References: <DIST-HAM-4599>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: University of Antwerp - UFSIA - Computing Center
Lines: 15
X-Unparsable-Date: Saturday, 2 Feb 1991 14:51:25 SET

As I always have been interested in servers, I would like to give it a try.
But how does one log in after establishing the telnet connection?
Which is the logon userid and password?

73's de Mike

Michel Daulie
ON6ML

P.S.: my apologies for those who receive this duplicate: my original
posting went out to the redistributor instead of the the magazine
email address.
Second time: NETNEWS interface was not initialized. Hope it now works.
(blushing ...)

From -2484167886980858004
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,52e6610d50ecf427
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-02 08:28:11 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!
wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: Who speaks English?
Message-ID: <949@wells.UUCP>
Date: 2 Feb 91 15:32:08 GMT
References: <"31-Jan-91.14:46:14.GMT".*.hugh_davies.wgc1@rx.Xerox.com>
<1250350@hpnmdla.HP.COM>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058

Lines: 13

In article <1250350@hpnmdla.HP.COM>, alanb@hpnmdla.HP.COM (Alan Bloom) writes:
> In rec.ham-radio, hugh_davies.wgc1@rx.xerox.com writes:
> >Dave Heller (csn!ub!dsinc!wells!k3tx@handies.ucar.edu) says "The converse is
> Flamed in wrong direction. Texans do not speak "American English".
> AL N1AL

Absolutely correct.
Texans speak TEXAN
TEXAN is logically
the Universal World
Language.
{{:-)}} if necessary?

From -496067172374246393
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b21d6a5e2bd55d1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-02 08:52:56 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!lynx.northeastern.edu!sehrlich
From: sehrlich@lynx.northeastern.edu
Newsgroups: rec.ham-radio
Subject: Clear Channels
Message-ID: <memo.721257@lynx.northeastern.edu>
Date: 2 Feb 91 15:40:01 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4

Don't forget WRKO, Boston, 680.

Scott [Internet: sehrlich@lynx.northeastern.edu)
      (Ham: KA1WNU   ]

From 2275476131955141343
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,52e6610d50ecf427
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-02 09:54:58 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Who speaks English?
Message-ID: <1176.27AAAFD2@w8grt.fidonet.org>
Date: 2 Feb 91 17:31:17 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 28

```
 > From: k3tx@wells.UUCP (Dave Heller)
 > Date: 2 Feb 91 15:32:08 GMT
 > Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
 > Message-ID: <949@wells.UUCP>
 > Newsgroups: rec.ham-radio
 >
 > In article <1250350@hpnmdla.HP.COM>, alanb@hpnmdla.HP.COM (Alan Bloom)
 > writes:
 > > In rec.ham-radio, hugh_davies.wgc1@rx.xerox.com writes:
 > > >Dave Heller (csn!ub!dsinc!wells!k3tx@handies.ucar.edu) says "The converse
 > is
 > > Flamed in wrong direction.  Texans do not speak "American English".
 > > AL N1AL
 >
 >
 > Absolutely correct.
 > Texans speak TEXAN
 > TEXAN is logically
 > the Universal World
 > Language.

You'd have to be Universally Cranky to nitpick people who have armadillo races.

--
Jim Grubs - Support OPERATION DESERT STORM - the 9th Crusade!
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org


From 323487927498361728
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43ddf726ddd47ac9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-02 10:10:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
magnus.ircc.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!agate!
usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: freedom of speech
Message-ID: <1991Feb2.181034.4027@NCoast.ORG>
Date: 2 Feb 91 18:10:34 GMT
References: <146@canada.sbi.com> <688@chiton.ucsd.edu>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Public Access Un*x (ncoast)
Lines: 31

As quoted from <688@chiton.ucsd.edu> by rec@chiton.ucsd.edu (Richard Currier):
+---------------
| >      Freedom of Speech and Amateur Radio
| >      ----------------------------------
```

| Major flare alert.... The K is rising....
+---------------

You mean there's such a thing as a *low* K index on the Usenet? ;-)

+---------------
| > What attraction is
| >there for the general public to spend thousands of dollars on an amateur
| >radio station just to be able to say "5-9, New York" to a Russian ham ?
|
| If the writer of this has to ask this question he can't possibly be active
| on the bands. I'm sure the many DX friends I have made over the years would
| be puzzled by this assertion.
+---------------

Part of the problem is interpretation. I admit that I was puzzled by this as well, until someone pointed out that communication that justifies "recourse to the public telecommunications service" has to be pretty d*mned important given the cost of calling e.g. the Soviet Union. Everything is relative, including the level of importance at which a phone call is advisable.

```
++Brandon
--
Me: Brandon S. Allbery              VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR              AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

```
From -7970426078653151362
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,59c1c438e110c283
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-02 10:26:44 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!
pa.dec.com!shlump.nac.dec.com!ryn.mro4.dec.com!ricks.enet.dec.com!reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: Re: P5YL - Slim or Real?
Message-ID: <3884@ryn.mro4.dec.com>
Date: 2 Feb 91 17:09:34 GMT
Sender: guest@ryn.mro4.dec.com
Organization: Digital Equipment Corporation - Hudson, MA
Lines: 18
```

There was an article in "The DX Magazine" Feb. 1991 which described a proposal for North Korea to become a separate DXCC country. From what the article said, there has been no *legitimate* operation from P5 since WW2. Chances are you worked someone who's really there, but isn't officially licensed. Sort of like XZ9A in the Karen State (Burma) which isn't recognized.

- Jim AD1C

=-=

"The opinions expressed here in no way represent the views of Digital
 Equipment Corporation."

James J. Reisert   Internet: reisert@ricks.enet.dec.com
Digital Equipment Corp.   UUCP: ...decwrl!ricks.enet!reisert
77 Reed Road
Hudson, MA 01749-2895

From -1883587766182832566
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9db0794c573ac9f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-02 11:47:53 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!sdd.hp.com!hplabs!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: Ramsey kits
Message-ID: <1991Feb2.045355.17603@informix.com>
Date: 2 Feb 91 04:53:55 GMT
References: <91019.151341UD186413@NDSUVM1.BITNET>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 18

In article <91019.151341UD186413@NDSUVM1.BITNET> UD186413@NDSUVM1.BITNET (Space Studies Student Organization) writes:
>I'm currently studying to take my novice exam, and have no equipment
>yet. I have a couple of questions about the Ramsey kits.
>
>Do you think that these kits would make good first radios?

No. Running QRP (low power) as an inexperienced novice is going to be frustrating. You should run about 100 watts or so until you gain operating experience. Get a used rig if money is a problem. Then, by all means, build your own QRP kit.

--

=-=
Randall Rhea   Informix Software, Inc.
Senior Programmer/Analyst, MIS   uunet!pyramid!infmx!randall

From 4733769469274112009
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,394802c53029260b,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-02 11:54:35 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!sdd.hp.com!zaphod.mps.ohio-state.edu!lavaca.uh.edu!menudo.uh.edu!lobster!urchin!f8325.n106.z1.fidonet.org!Christopher.Boone
From: Christopher.Boone@f8325.n106.z1.fidonet.org (Christopher Boone)
Newsgroups: rec.ham-radio
Subject: Re: Guest operators
Message-ID: <6794.27AC5A31@urchin.fidonet.org>
Date: 2 Feb 91 19:54:35 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8325 - Far Point Back Door, Katy Tx
Lines: 5

I doesnt matter WHO the operators are...JUST the station callsign!!!!!
I would KEEP the card as it is vaild!!! You worked YOUR STATION with another
op on it..but that IS valid!!
73
Chris WB5ITT

From 4937388236651730022
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7c64d63d4ca9c22,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-02 12:56:22 PST
Path: gmdzi!unido!mcsun!uunet!comp.vuw.ac.nz!actrix!tornado!sideways!oddsocks
From: oddsocks@sideways.gen.nz (Alan Isaacs)
Newsgroups: rec.ham-radio
Subject: SWAP
Message-ID: <kkoRw1w163w@sideways.gen.nz>
Date: 2 Feb 91 20:33:10 GMT
Organization: Sideways Bulletin Board, Lower Hutt, New Zealand.
Lines: 2

YASU FT101 HF Transciever - For 2 metre rig. (not Xtal controlled)
Contact: John Breden (VOICE) 075 -739532 (Te Puke)

From 2474506920856124811
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e4194b04eaf5642
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-02 14:40:14 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Xmit Mods for IC-735
Message-ID: <1177.27AAF49C@w8grt.fidonet.org>
Date: 2 Feb 91 22:24:07 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 36

> From: randall@informix.com (Randall Rhea)
> Date: 31 Jan 91 20:28:12 GMT
> Organization: Informix Software, Inc.
> Message-ID: <1991Jan31.202812.12060@informix.com>
> Newsgroups: rec.ham-radio
>
> In article <1250346@hpnmdla.HP.COM> glenne@hpnmdla.HP.COM (Glenn Elmore)
> writes:
> > [talks about how to modify the 735 for out-of-band transmit]
> > This is a particularly nice feature since it allows wide coverage when
> >used with transverters. I use my 735's with my 144MHZ - 10.368 GHz
> transverters
> >with the radios operating in the 20-30 MHz region. It allows 10 MHz of
> >all-mode coverage on every vhf-uhf-uwave amateur band.
> >
> >73
> >Glenn Elmore n6gn
> >
>
> I don't understand this. Are you saying that you are transmitting out
> of the band? What do transverters have to do with it?

If used into an antenna on the ranges specified it would indeed be "out-of-band", however on the band it is transverted to, it is within the band.

If you misunderstood Glenn's article, I strongly suggest you may not be qualified to advise novices that they BEGIN with 100 watt transceivers as a stepping stone to QRP operation. [:-)

As for ham slang, why not?

--
Jim Grubs - Support OPERATION DESERT STORM - the 9th Crusade!
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 867309877437943812
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-02 20:52:15 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!epic!karn
From: karn@epic..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <1991Feb2.232126.4856@bellcore.bellcore.com>
Date: 2 Feb 91 23:21:26 GMT
References: <1154.27A2ECFD@w8grt.fidonet.org>
<1991Jan29.044137.20914@zoo.toronto.edu> <1321@catnip.berkeley.ca.us>
<1991Jan30.232701.25602@amd.com> <1991Jan31.183738@epic.bellcore.com>
<19706@shlump.nac.dec.com>

Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@epic.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 65

In article <19706@shlump.nac.dec.com> koning@koning.enet.dec.com writes:
>Repeatability isn't the same as accuracy. Is Loran-C really ACCURATE to
>the number you quoted? (The FAA writeup about it says otherwise.)

Not clear. My biggest problem in verifying the figures given by my LORAN receiver is the proliferation of geographic coordinate systems, all subtly different. For example, LORAN places my house about 400 meters east and slightly south of the position given by the USGS 7.5-minute topographic map for Chatham NJ. However, LORAN uses the WGS72 or WGS84 coordinate system (depending on which publication you cite) while the USGS maps use the 1927 North American Datum. Although I don't have any references on how to convert from one system to another, I suspect that much of the discrepancy is due to the differing coordinate systems. (Longitude has always been much harder to measure accurately than latitude). In a few other field tests using FAA-supplied coordinates for airports I've gotten much closer agreement (~40m) to my LORAN readings, although there is still the question of what spot on the airport the listing refers to.

LORAN accuracy also depends a lot on where you are. Each LORAN chain has a set of monitor recievers at well-surveyed locations, and the phasing of the LORAN transmitters is adjusted periodically to keep these receivers "in the right place". The monitor for the Seneca-Nantucket-Carolina Beach triad is in Sandy Hook NJ, not too far from me, so perhaps my results are better than average.

In practice my biggest problems with LORAN have been propagation blockages and interference, especially QRN and shielding from bridges and power lines.

Remember also that most practical applications of navigation require that you be able to record your position and then return to it later. A good example is a fisherman who needs to return to his lobster pots. The absolute accuracy of the system is not as important in this case as its repeatability.

WB0MPQ just gave me a package of literature from Magellan for a neat little GPS OEM kit. For $950 you get a couple of circuit boards and an antenna. Rated accuracy from a single fix is 25 meters in the 2D mode and 30 meters in the 3D mode. They claim this can be improved somewhat with averaging, but there is also a bothersome footnote: "Accuracy subject to change in accordance with DOD civil GPS user policy". Although I suspect that GPS receivers will get even cheaper after the war is over, chances are Selective Availability will be turned back on again - so the party will be over.

What really burns me about this whole selective availability thing is how the DoD sold GPS to Congress by touting the civilian spinoffs.

(GPS is an expensive system even by US military standards.) The big push was in civil aviation ("just think of all the money you could save by shutting down all those VORTACs, NDBs, ILSes and LORAN-C transmitters ..."). Then when they get the satellites up and running they decide to take their marbles and go home.

Fortunately (for us) $47.6M of funding for military GPS receivers was deleted from the FY 1991 budget. The stated reason is that the GPS program is behind schedule so the money isn't needed. One can only hope that the real reason was to force the DoD to be more willing to share its toys...

A good article on the politics of GPS vs LORAN is "Terrestrial Navaids - Critical Stepping Stones to Satellite Navigation" presented by John Beukers at the Wild Goose Association in October 1990.

Phil

From 324821029228962681
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,74e1569f724798d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-02 21:18:51 PST
Path: gmdzi!unido!mcsun!uunet!samsung!crackers!jjmhome!km3t
From: km3t@jjmhome.UUCP (Dave Pascoe)
Newsgroups: rec.ham-radio
Subject: Re: New callsign server
Summary: telnet server_name 2000
Message-ID: <9623@jjmhome.UUCP>
Date: 2 Feb 91 23:52:49 GMT
References: <DIST-HAM-4599> <91033.145127DAULIE@BANUFS11.BITNET>
Lines: 19

In article <91033.145127DAULIE@BANUFS11.BITNET>, DAULIE@BANUFS11.BITNET writes:
>
> As I always have been interested in servers, I would like to give it a try.
> But how does one log in after establishing the telnet connection?
> Which is the logon userid and password?

You would issue the following command:

```
telnet marvin.cs.buffalo.edu 2000
                               ^
                               |
                     this field is the socket you wish to connect to
```

Most of the callsign servers (all two or three of them) have been using socket 2000.....hope this helps....

--
Dave Pascoe | Internet: km3t@jjmhome.m2c.org
KM3T/ZF2PT | UUCP: km3t@jjmhome.UUCP

From 5691821974390899796
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6462863377968e98,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-02 21:30:09 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!magnus.ircc.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!NUWES-LLL.NAVY.MIL!nfunamura%mis2.decnet
From: nfunamura%mis2.decnet@NUWES-LLL.NAVY.MIL ("MIS2::NFUNAMURA")
Newsgroups: rec.ham-radio
Subject: RAMSEY KITS
Message-ID: <9102030151.AA26560@ucsd.edu>
Date: 3 Feb 91 01:51:23 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 41
X-Unparsable-Date: 2 Feb 91 15:33:00 GMT-10:00

>>In article <91019.151341UD186413@NDSUVM1.BITNET> UD186413@NDSUVM1.BITNET (Space Studies Student Organization) writes:
>>I'm currently studying to take my novice exam, and have no equipment
>>yet. I have a couple of questions about the Ramsey kits.
>
>>Do you think that these kits would make good first radios?

Randall Rhea responds.....
^^^^^^^^^^^^^^^^^^^^^
>No. Running QRP (low power) as an inexperienced novice is going to be
>frustrating. You should run about 100 watts or so until you gain operating
>experience. Get a used rig if money is a problem. Then, by all means,
>build your own QRP kit.

I generally agree with Randall's advice because a new novice has enough of a handicap without being QRP. However under special conditions being a QRP novice is not a problem.

In cases where a group (e.g. Boy Scout or school class etc.) who live close together get their novices together, being QRP is not a problem. In the mid fifties, novices from my high school radio class built their our own 1 tube xtal controlled transmitters (5 watts or less input). Those who stuck it out usually went out and eventually bought commercial rigs but it was nice to be able to get on the air with $15.00.

Anyway, if there were something like a Heathkit or some other low cost rig that works...it may be worth looking into. The Ramsey is not the answer. I bought a 40 meter kit from them about $25.00 plus $13.00 for the case (about $40.00 with shipping etc.) and it didn't work. It's tuning range was somewhere in the 8 MHz range. I had to add some capacitors to bring it down to 40 meters. Can you imagine the frustration a novice would have with this rig. Also the assembly instructions are something like this..."1. install all resistors. 2. install all capacitors" etc. etc.

About three or four months after I bought the receiver I saw an article in

one of the magazines (I think it was QST) on how to make this receiver work.
Why anybody would print an article like that bothers me. Why didn't they just
say don't buy the receiver because it doesn't work!
  Off soap box.

  Norman, KH6R

From 4048266306200208023
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ebff8be4492eb231,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,ebff8be4492eb231,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-02-02 22:06:02 PST
Path: gmdzi!unido!mcsun!uunet!olivea!bbn.com!nic!bunny!harvey.gte.com!dhp1
From: dhp1@harvey.gte.com (David Pascoe)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Mention of Ham Radio (2/1 Military Briefing)
Message-ID: <10507@bunny.GTE.COM>
Date: 2 Feb 91 23:19:12 GMT
Sender: news@gte.com
Followup-To: rec.ham-radio
Lines: 16
Xref: gmdzi rec.ham-radio:20146 rec.radio.shortwave:4094

During the Desert Storm U.S. Military Briefing last night in Riyadh a
reporter mentioned a report from a "ham radio operator" saying that renewed
activity was heard around the town of Khafji. The military spokesman said
that there was absolutely no renewed military activity and that there was
no intelligence data to support the ham radio operator's claim. The reporter
didn't mention whether the ham had been in contact with a Saudi ham or not,
but the military spokesman assumed the ham was SWLing on military frequencies.
The spokesman stated something like "if the ham was listening to English,
there's no way he could have deciphered our transmissions....we use VINSEN to
cover our transmissions....."

```
--
Dave Pascoe   |  Internet: dhp1@gte.com
GTE/EDCD      |  UUCP: ...!{harvard}!gte.com!dhp1
KM3T          |  Packet Radio: km3t @ ka2qhd.nj
```

From 7989448036725784321
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,202dd71ae573ec8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-02 22:22:36 PST
Path: gmdzi!unido!mcsun!uunet!shelby!unix!snmp.sri.com!larson
From: larson@snmp.sri.com (Alan Larson)

Newsgroups: rec.ham-radio
Subject: Re: Where to Buy??
Message-ID: <20736@unix.SRI.COM>
Date: 3 Feb 91 04:14:33 GMT
References: <1991Jan23.015112.2392@bpdsun1.uucp> <1250347@hpnmdla.HP.COM> <1991Jan31.203153.12168@informix.com>
Sender: news@unix.SRI.COM
Organization: SRI International, Menlo Park
Lines: 8

In article <1991Jan31.203153.12168@informix.com> randall@informix.com (Randall Rhea) writes:

>I don't like HRO. They don't post prices in their retail stores ... not
>even for cables, books, and the like.

I was there today, and there were prices posted on most things.

Alan

From 5256571021642744775
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,52e6610d50ecf427
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-02 22:25:15 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: Who speaks English?
Summary: Save the armadillos
Message-ID: <950@wells.UUCP>
Date: 3 Feb 91 03:36:35 GMT
References: <1176.27AAAFD2@w8grt.fidonet.org>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 33

In article <1176.27AAAFD2@w8grt.fidonet.org>, jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
> > Message-ID: <949@wells.UUCP>
> > Newsgroups: rec.ham-radio
> >
> > Absolutely correct.
> > Texans speak TEXAN
> > TEXAN is logically
> > the Universal World
> > Language.
>
> You'd have to be Universally Cranky to nitpick people who have armadillo races.
> Jim Grubs - Support OPERATION DESERT STORM - the 9th Crusade!

Support Desert Storm - I second.

Perhaps Jim's just jealous
Last I heard there's a
shortage of Armadillos
in Ohio.

Really they're most loveable
creatures.

Don't leave a New Englander loose
in West Texas without an interpreter!

And for some parts of the east
even an interpreter might not do much good.
:--)

K3TX
  ^^

From -410656067603565453
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4977167038154dc0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-02 22:26:55 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!
wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: books on ham-speak
Summary: hamb band inanities
Message-ID: <951@wells.UUCP>
Date: 3 Feb 91 04:05:34 GMT
References: <9101281354.AA05698@ucsd.edu> <1361@west.West.Sun.COM>
<1991Jan31.022700.19904@informix.com>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 111

In article <1991Jan31.022700.19904@informix.com>, randall@informix.com (Randall
Rhea) writes:
> In article <1991Jan30.020752.1654@rice.edu> carson@mu.rice.edu (Q) writes:
> >I would therefore like to solicit from the net
> >recommendations for, and possible sources of, books or articles that
> >would be good for a beginner [to learn about ham slang].
I frankly don't know of any; been thinking of writing
an article for publication myself.
> I like Doug DeMaw's book, "W1FB's Help For New Hams."   I strongly
> agree with a major point in his book, which is that a lot a "ham speak"
> is both unnecessary and stupid.
Doug DeMaw is one of those rare amateurs
who has earned the respect of *EVERYONE*
His work with his little publication back

in Michigan before he went to Newington,
his work at ARRL, and since, are all classic.
Disagreeing with Doug is like disagreeing with
Walt Maxwell W2DU on transmission lines. You're
wrong before you start.
>
> For example, why use Q abbreiviations on phone? Why say "There's a lot of
> QSB on the band", when you can just say "Your signals are fading."
> I prefer hearing "I'm getting interference from a nearby station" to
> "there's a lot of QRM out there, old man." I don't know if he's saying
> "QRN" or "QRM", so I don't know if we should just change to another
> frequency, or what.
Absolutely! (although sometimes it's a bit more
convenient to say QRM because it's a bit shorter
and in context it should be understood.)
>
> Hams tend to use English in an interesting way. 2m mobile conversations
> often end with "I'm destinated now." The word "destinated" does not
> appear in the dictionary.
Perfectly true, and (maybe because I'm such a
conservative for that reason I won't use it);
but just off the record, the word does seem to
have some merit. It has a reasonable etemology (sp),
clear meaning, and is a bit shorter than "I'm where
I'm going". But I do have an aversion to non-technically=
derived non-dictionary words, too.>
> I'm especially irritated with the term "seventy-threes". This term
> means "best regards", so you shouldn't put an "s" on the end of it.
> The worst is "the very best of seventy-threes, old man", which means
> "the very best of best regards-es." Use a simple "seven-three",
> "seventy-three", or better yet, just say "nice chatting with you."
>Amen. Especially when we hear it from those who should know better.

> Some hams get offended when people use CB lingo on the air, but
> they should look at their own lingo first.   Which is worse, this:
>
>   Breaker, breaker, good buddy, hey Spacman, you got your
>   ears on?
This is just fine, considering the source. At least it
isn't quite as vulgar as most of what little I've heard
on CB.
>
> or:
>
>   We've got QSB over there, old man, and some QRM, so we'd
>   better QSY. My QTH is mobile, and I'm almost destinated
>   over here, so I'll have to say the very best of seventy-
>   threes to you, old man.
An interesting exercise is to translate this into some recognized
language. I'll give a try at "My QTH is mobile". How does "I
have no idea where the hell I am or where I'm going" sound?

>
> Lingo like this does not exactly encourage newcomers to the hobby.
> Why not speak in plan English when we can?
> Randall Rhea   Informix Software, Inc.
> Senior Programmer/Analyst, MIS   uunet!pyramid!infmx!randall

Now I throw in some supplementary bitches of my own:

1.   "That's a roger" and variants.
When I learned radio protocol (the hard way - USN 0
R or Roger meant received, and those who
tried using it otherwise got "scolded".
And we used R just once - none of this R R R R
garbage heard on the N bands (and elsewhere).
On the other hand, don't try misuse of R on a
traffic net except when NCS isn't listening.

2.   Whatinhell do these 10M denizens mean to say
when they actually preface and follow every comment
with "QSL". I always imagine they're begging me for
a QSL card, and since I have some I tell them if they
want a card I'm fine in most all callbooks and will be
happy to respond, so then they come back giving their
full mailing address (repeated at least 8 times with
Cincinnati given in varied phonetics numerous times,
and with several spellings, but it doesn't matter much
because it gives me time to return a phone call or two.)
To me QSL is the formal acknowledgment of message handling,
useful in traffic operation, CW.
But it sounds like QSL is the l0m (and spreading elsewhere)
phone equivalent of Ten-Four.

3.   The beginner has the bad habit of ending a phone
transmission by just stopping and letting go the button.
That wasn't too bad in the AM days, and works just fine
with QSK CW, but on SSB leads to more and more doubling.
I keep telling the obvious beginners to end each transmission
with "go" or "go ahead", but it's a one-ham crusade.

Let's see how far this discussion goes. Much opportunity
for violent flaming, and it should be obvious I'm asksing
for it.

K3TX

From -7462006556597983098
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6462863377968e98
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-02 22:35:32 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!

```
dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: RAMSEY KITS
Summary: on beginners rigs -- some more
Message-ID: <952@wells.UUCP>
Date: 3 Feb 91 05:55:45 GMT
References: <9102030151.AA26560@ucsd.edu>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 65

In article <9102030151.AA26560@ucsd.edu>, nfunamura%mis2.decnet@NUWES-LLL.NAVY.MIL
("MIS2::NFUNAMURA") writes:
> >>I'm currently studying to take my novice exam, and have no equipment
> >>yet.  I have a couple of questions about the Ramsey kits.
> >>Do you think that these kits would make good first radios?
> Randall Rhea responds.....
> ^^^^^^^^^^^^^^^^^^^^^
> >No.  Running QRP (low power) as an inexperienced novice is going to be
> >frustrating.  You should run about 100 watts or so until you gain operating
> >experience.  Get a used rig if money is a problem.  Then, by all means,
> >build your own QRP kit.
>   I generally agree with Randall's advice because a new novice has enough of a
> handicap without being QRP.  However under special conditions being a QRP
> novice is not a problem.
>   In cases where a group (e.g. Boy Scout or school class etc.) who live close
> together get their novices together, being QRP is not a problem.  In the mid
> fifties, novices from my high school radio class built their our own 1 tube
> xtal controlled transmitters (5 watts or less input).  Those who stuck it out
> usually went out and eventually bought commercial rigs but it was nice to be
> able to get on the air with $15.00.
Much deleted....
> Why anybody would print an article like that bothers me.  Why didn't they just
> say don't buy the receiver because it doesn't work!
>   Norman, KH6R
Because magazines that live on ads don't say don't buy *anything*
                                                         ^^^^^^^


I like the local group with baby homebrew rigs to get started.
Works fine on CW - -
but all the beginners wanna work DX -
and how they go nuts with their first
VE, much less a DL - - or - - horror of
horrors - an African, a JA or a !!!UB5!

And how all the kids seem to read the ads and have poppa
convinced that they will be incorrigible delinquents if
they don't immediately get a ***K*E*N*W*O*O*D*** 440, and
it's gotta be ***N.E.W.**** in the box.  Never mind that
by any reasonable standards said 440 is a pretty crappyu
piece of equipment - - they like the fancy ADVERTISING
BLURBS and all the FANCY GADGETS that no one has yet found
a practical use for.  They think IT LOOKS PRETTY and they
```

GOTTA HAVE IT!

So isn't the whole discussion academic?

And a couple years premature?

As long as sunspots are in style and 10 is open
the new N's and T's are on 10 meter U.S.B. (not SSB)
calling CQ DX and **WORKING*** DL's and G"s and so
forth if on the W. coast, a steady diet of JA's and
VK's, and as far as the N CW bands are concerned, they
don't exist. Let's wait for 10 to go dead per
132 month cycle and *maybe* get some reconstituted
80, 40, and maybe 15 N / T CW action. It's not there
now (witness the Novice Roundup - a nice contest shot
to hell by Novice Enhancement.

Oh, well, there's always 14,000/.025, and 3767 when I wanna
work Phone.

K3TX

>
> -----------------------------

From -9048155457086979090
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4977167038154dc0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-02 22:36:29 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!pacbell.com!ames!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: books on ham-speak
Message-ID: <27316@ucsd.Edu>
Date: 3 Feb 91 06:13:27 GMT
References: <1361@west.West.Sun.COM> <1991Jan30.020752.1654@rice.edu>
<1991Jan31.022700.19904@informix.com>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 13

randall@informix.com (Randall Rhea) writes:
...
>Lingo like this does not exactly encourage newcomers to the hobby.
>Why not speak in plan [sic] English when we can?

I would be very surprised to find that hams CAN speak plain English.
Usenet has proven, by and large, that they cannot write it.
     - Brian

The fat man raised his glass and held it against a window's light. He

nodded approvingly at the bubbles running up in it. "Well, sir, here's
to plain speaking and clear understanding."
     - Dashiell Hammett, The Maltese Falcon

From -8141023580781005552
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-03 00:25:17 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!intelhf!agora!trifid
From: trifid@agora.rain.com (Edward Fitzgerald)
Newsgroups: rec.ham-radio
Subject: Re: Not quite a flame (was Re: GPS accuracy in wake of Desert Storm?
Message-ID: <1991Feb3.043445.6352@agora.rain.com>
Date: 3 Feb 91 04:34:45 GMT
References: <1167.27A6BD41@w8grt.fidonet.org> <819@nddsun1.sps.mot.com>
Organization: Open Communications Forum
Lines: 11
Posted: Sat Feb 2 20:34:45 1991

Mr. Waters is quite correct. As a member of rec.org.sca, and quite a medieval
history nut, I might add that the "wonderful" Crusaders killed many Jews (in
those days under the protection of the Moslems!) and at one point even made war
and committed serious atrocities against their fellow Christians in Byzantium,
simply because they were "different" (and very rich!) much as Saddam now does to
his Kuwaiti cousins. As much as I love medieval romanticism, "Crusade" is a
very dirty word!

Suze Hammond, using the trifid account

From -1660622909789607899
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,164c0a10aed2889e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-03 00:48:21 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Re: Question about Vacuum Tubes.
Message-ID: <1250351@hpnmdla.HP.COM>
Date: 2 Feb 91 22:05:12 GMT
References: <13652@will.ntt.JP>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 17

In rec.ham-radio, dstock@hpqmole.sqf.hp.com (David Stockton) writes:

>   I seem to recall that there have been deaths due to mis-handling
>Beryllium oxide ceramic insulation. This is independant of HT voltage,
>many modern RF power transistors also pose this threat. Equipment
>containing BeO (not Danish record players :-)) constitutes a threat
>even when unpowered.

Beryllium oxide is only hazardous when it is in powdered form. My understanding is you could SWALLOW a chunk of it, and as long as it passed through the body without causing mechanical damage, it wouldn't hurt you.

The moral is don't crush it or try to drill or saw it.

AL N1AL

```
From -6772147365106039814
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f0551bcf04680b80
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-03 00:48:26 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!sdd.hp.com!hplabs!hpl-opus!
hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: What Will it Cost?
Message-ID: <1250352@hpnmdla.HP.COM>
Date: 2 Feb 91 22:19:16 GMT
References: <4777@male.EBay.Sun.COM>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 31
```

In rec.ham-radio, dlp@zule.Ebay.Sun.COM (Dan Pritchett) writes:

>A recent posting saying that a novice should purchase a good
>transceiver to get started and then enter the home brew arena. Plowing
>into ham the way I do everything else I was assuming I would build my
>own receiver and transmitter. Can anybody shed some light on cost
>of each approach (assuming used equipment) and maybe some reasons I
>should go one way versus another? Obviously the purchase approach is
>mostly plug and go, but I was hoping to use my entry into ham as a
>way of increasing my knowledge of electronics in general.

I always recommend that people purchase a used rig to start, even if they plan to build. That way, they can operate while they get their homebrew gear going. When the home-built station is finished to your satisfaction, you can re-sell the used equipment for about the same price you paid for it.

A used Heathkit HW-100 goes for around $100-$150. It's a perfectly servicable SSB rig also usable on CW.

The Drake "4-line" is better, especially on CW. An R4A receiver, T4X transmitter, and AC-4 power supply can be had for around $200. A "B-line" (R4B/T4XB/AC4) is a bit more expensive, and a "C-line" (R4C/T4XC/AC4) runs in the $400 range. The A and B-line receivers come with all bandwidths installed; the R4C requires separate optional filters. (2.1 kHz SSB filter standard)

The older Japanese radios are also quite reasonable nowdays, expecially if you don't mind the prior-generation units with tubes in 'em.

AL N1AL

From 7821795039473298337
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10b271,49f4feb6e9496862
X-Google-Attributes: gid10b271,public
X-Google-Thread: 105d97,49f4feb6e9496862
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-02-03 01:05:15 PST
Path: gmdzi!unido!mcsun!uunet!olivea!apple!well!nagle
From: nagle@well.sf.ca.us (John Nagle)
Newsgroups: rec.ham-radio,sci.electronics,sci.physics
Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <22983@well.sf.ca.us>
Date: 3 Feb 91 07:32:41 GMT
References: <1167.27A6BD41@w8grt.fidonet.org>
Lines: 15
Xref: gmdzi rec.ham-radio:20156 sci.electronics:11255 sci.physics:11314

The Trimble Navigation portable GPS receiver, a handheld device intended for small boat navigation and available in boat shops, is being used by U.S. troops. Trimble is manufacturing them as fast as possible, but can't keep up with the sudden demand. They're made in here in Silicon Valley. The militarized portable GPS receivers aren't available in quantity yet, so this commercial unit is being pressed into service.

It's a cute little device. It takes about 30 seconds for it to get a fix, it runs on batteries, and it's watertight. (It even floats.) Trimble doesn't promise accuracy better than a few hundred meters, though, so signal degradation for security reasons probably isn't an issue.

John Nagle

From -2783061188023840887
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,49f4feb6e9496862

```
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-02-03 01:36:57 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!tektronix!reed!glacier!sma2!fred
From: fred@sma2.uucp (Fred Brooks)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <1991Feb3.093657.8545@sma2.uucp>
Date: 3 Feb 91 09:36:57 GMT
References: <1172.27A97FF9@w8grt.fidonet.org>
Organization: Gun's For Peace
Lines: 20
Xref: gmdzi rec.ham-radio:20171 sci.electronics:11266

In article <1172.27A97FF9@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim
Grubs) writes:
>
> > >So, Henry, how do you know that Saddam already knows this?
> >
> > Because it's public information.
>
>You're willing to endanger lives just to prove you have a right to shoot your
>mouth off anytime you choose? Being 'right' about abstract consitutional
>principles is not worth somebody's life. It would be different if you were
>gambling only YOUR life. You're playing games with someone else's life.
>

Give us all a break. This info is everywhere and has been known for
months. If you read IEEE Spectrum there have been several stories about
it. I'm sure there are a few engineers in Iraq that subscribe.
--

Defend your 2nd amendment rights.
What is the New World Order?
Fred Brooks                          Portland Oregon


From 2435571330753908845
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9127a82936fe04d8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-03 06:44:45 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!ccwf.cc.utexas.edu
From: spam@ccwf.cc.utexas.edu (Charles E. Watson)
Newsgroups: rec.ham-radio
Subject: Question Grab Bag
Message-ID: <43625@ut-emx.uucp>
Date: 3 Feb 91 11:44:28 GMT
Sender: news@ut-emx.uucp
Reply-To: spam@ccwf.cc.utexas.edu (Charles E. Watson)
Organization: The University of Texas at Austin
Lines: 19

I am planning on buying a dual band radio soon...two weeks.
```

I am new to ham radio, in fact I don't have a license yet, waiting for
Feb. 14. Would users fill me in e-mail about the following brands:

```
Yaesu    ( Always heard you got what you pay for in this brand, but saw here
           on rec.ham-radio some Yaesu defenders)
Kenwood  ( Seems to have a lot of conveniences but doesn't open up for receive
           like the IC-24AT, and when hardware moded does it receive 902 to
           928? )
Icom     ( I like the IC-24AT scan modes, but it doesn't seem to stack up to
           the TH-77)
Standard ( Have heard they have an all band-radio in Japan, rumor)
```

Also, what can the Radio Shack pro-34 be modified to do? Is it easy to open
it up to receive the whole 800mhz band? What about 220? Can the memory be
expanded easily? How much memory, and in what memory 'bank' arrangement?
Can all these mods be done together?

Thanks!

From -6644587489734370472
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1ca4909fb6530f3d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-03 07:19:29 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!lavaca.uh.edu!
menudo.uh.edu!lobster!urchin!f8324.n106.z1.fidonet.org!Christopher.Boone
From: Christopher.Boone@f8324.n106.z1.fidonet.org (Christopher Boone)
Newsgroups: rec.ham-radio
Subject: Re: Another 50 KW station
Message-ID: <6820.27AC81CF@urchin.fidonet.org>
Date: 3 Feb 91 15:19:29 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8324 - Far Point Relay Ham, Katy Tx
Lines: 7

And three more from the great state of Texas:
KTRH 740 Houston
WBAP 820 Fort Worth
WOAI 1200 San Antonio

73
Chris WB5ITT

From -8479089535496790890
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,49f4feb6e9496862
X-Google-Attributes: gid105d97,public
X-Google-Thread: fcd44,fedbff0e875a612
X-Google-Attributes: gidfcd44,public

X-Google-ArrivalTime: 1991-02-03 13:48:27 PST
Path: gmdzi!unido!mcsun!uunet!olivea!orc!inews!pima!bhoughto
From: bhoughto@pima.intel.com (Blair P. Houghton)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <2248@inews.intel.com>
Date: 3 Feb 91 20:22:29 GMT
References: <1172.27A97FF9@w8grt.fidonet.org>
Sender: news@inews.intel.com
Organization: Intel Corp, Chandler, AZ
Lines: 31
Xref: gmdzi rec.ham-radio:20159 sci.electronics:11259

In article <1172.27A97FF9@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>You're willing to endanger lives just to prove you have a right to shoot your
>mouth off anytime you choose? Being 'right' about abstract consitutional
>principles is not worth somebody's life. It would be different if you were
>gambling only YOUR life. You're playing games with someone else's life.

Get a grip, Jim. Nobody's endangering anybody by discussing the capabilities of commercially-available electronic toys. The publishers of Jane's know far more about this stuff than we'll ever crowbar into a Usenet posting, and you can bet Saddam Hussein's been subscribing to Jane's since he was just a little dictator.

Dangerous secrets are marked so you can't mistake them for common knowledge, and I haven't seen any of those here.

Anyway, he probably knows the insides of every weapon we have, having got the info from the salesmen who work for the manufacturers of those weapons.

It's also pretty apparent that he's completely incapable of anything resembling effective military activity, anyway. I don't think it will hurt us to let him know the exact coordinates of the target on which he's standing.

--Blair
"We should show him the battle plans
for an upcoming amphibious assault
on Baghdad. He'd send his boats to
Israel for safekeeping..."

From 6652583675224411012
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ef2bf0dd1ee52346,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-03 19:53:31 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!oo7

From: oo7@ut-emx.uucp (Derek Wills)
Newsgroups: rec.ham-radio
Subject: guest ops
Message-ID: <43639@ut-emx.uucp>
Date: 3 Feb 91 21:30:22 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 27

Christopher.Boone@f8325.n106.z1.fidonet.org (WB5ITT) says:

>I doesnt matter WHO the operators are...JUST the station callsign!!!!!
>I would KEEP the card as it is vaild!!! You worked YOUR STATION with another
>op on it..but that IS valid!!

I'm not sure what this is in reply to, but I think we have sorted it out now. Obviously, what matters as far as DXCC et al. is concerned is the call on the QSL card, which is the call that was transmitted at the time of the QSO; this can be your station's (whether you are physically there or not), and it can be your call (whether you are at your station or someone else's) - with the usual disclaimers about everyone staying within their license class privileges etc.

So if you own a station you can work yourself from Albania, if you don't you can't. If you don't own a station you can work Albania with your call from another station.

The next topic was going to be "can I use two different calls in a contest if I don't plan to submit both logs?" but perhaps we've had enough of this for now...

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From -7708445971330890863
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,744166a66d32ebe0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-04 03:16:14 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Superregen Receiver
Message-ID: <315@bongo.UUCP>
Date: 3 Feb 91 19:10:40 GMT
Reply-To: julian@bongo.info.com (Julian Macassey)
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 34

I have a device that transmits AM telemetry at 49 Mhz. I would like to build a cheap and dirty, low current receiver for receiving the telemetry. I recall that in the old days before rice box was another politically incorrect word - even before there were rice boxes - the home brew receiver of choice for VHF AM was the super regen. In fact the "Benton Harbour Lunchbox" was a Xtal controlled AM TX with a super regen receiver. Those were the days when rather than have your own repeater, every amateur could have his own frequency.

But I digress, waffle and reminisce like an old fart, I will be advocating CW next.

What I want is this: Does anyone have an up to date schematic for one of these beasts? Does anyone make kits? Ramsey?

I have a schematic (really and application note) from the 1978 ARRL Handbook.

With all this novice/no-code tech homebrew chatter, how about an updated version of the Benton Harbour Lunchbox (both the "Twoer" and "Sixer"). Not much simpler or cheaper than that for a homebrew project.

I suppose now that Benton Harbour has suffered such devastating urban decay someone is going to take me to task for being so insensitive as use the words Benton Harbour and lunchbox in the same sentance.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@N6YN (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From -5726006301965973671
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c92de24bd9db7612,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-04 03:22:13 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!ux1.cso.uiuc.edu!uxa.cso.uiuc.edu!aaa33750
From: aaa33750@uxa.cso.uiuc.edu (Andrew A. Arnett)
Newsgroups: rec.ham-radio
Subject: help-satellite
Message-ID: <1991Feb3.235622.5291@ux1.cso.uiuc.edu>
Date: 3 Feb 91 23:56:22 GMT
Sender: news@ux1.cso.uiuc.edu (News)
Organization: University of Illinois at Urbana
Lines: 3

I would like to find out if it's possible to for me to get started on the

```
satellites, so if anybody would like to try to answer my dumb questions thanks!

drew   kb9fko@uiuc.edu   @W9YH.IL


From -6677799764271152456
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cade637be828430b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-04 03:24:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-
state.edu!pacific.mps.ohio-state.edu!linac!att!emory!ducvax.auburn.edu!
eng.auburn.edu!bh
From: bh@eng.auburn.edu (Brian Hartsfield)
Newsgroups: rec.ham-radio
Subject: Middle East Frequencies
Message-ID: <bh.910203185331@lab12.eng.auburn.edu>
Date: 4 Feb 91 00:53:31 GMT
References: <1182.27AC59D2@w8grt.fidonet.org>
Organization: Auburn University Engineering
Lines: 4
Nntp-Posting-Host: lab12.eng.auburn.edu


I am looking for any frequencies that I can connect to to listen to and find
out stuff that is going on in the middle east.  If anybody can mail me and
frequencies (I currently have none) (mail them because I don't read this newsgroup
often) I would be very appreciative.  Thanks in advance.


From 3792854778262380604
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,52e6610d50ecf427
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-04 03:24:33 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Who speaks English?
Message-ID: <1181.27AC59CD@w8grt.fidonet.org>
Date: 4 Feb 91 00:13:04 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 43


 > From: k3tx@wells.UUCP (Dave Heller)
 > Date: 3 Feb 91 03:36:35 GMT
 > Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
 > Message-ID: <950@wells.UUCP>
 > Newsgroups: rec.ham-radio
 >
 > In article <1176.27AAAFD2@w8grt.fidonet.org>,
 > jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
```

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 > >  > Message-ID: <949@wells.UUCP>
 > >  > Newsgroups: rec.ham-radio
 > >  >
 > >  > Absolutely correct.
 > >  > Texans speak TEXAN
 > >  > TEXAN is logically
 > >  > the Universal World
 > >  > Language.
 > >
 > > You'd have to be Universally Cranky to nitpick people who have armadillo
 > races.
 > > Jim Grubs - Support OPERATION DESERT STORM - the 9th Crusade!
 >
 >
 > Support Desert Storm - I second.
 >
 > Perhaps Jim's just jealous
 > Last I heard there's a
 > shortage of Armadillos
 > in Ohio.
 >
 > Really they're most loveable
 > creatures.

I know.  I have a friend in Dallas who sent me one for Christmas. (Stuffed
toy type). She also sent me a box of armadillo doodoo (praline candy -
delicious) and armadillo canned meat ("You COULD eat it, but I don't
recommend it! After all, it was scraped off a Texas highway after being run
over by an 18 wheeler.")

--
Jim Grubs - Support OPERATION DESERT STORM - the 9th Crusade!
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org


From -6758147009733702976
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 14:39:20 PST
Path: gmdzi!unido!mcsun!uunet!spool.mu.edu!think.com!paperboy!hsdndev!husc6!
encore!jcallen
From: jcallen@Encore.COM (Jerry Callen)
Newsgroups: rec.ham-radio
Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <13950@encore.Encore.COM>
Date: 30 Jan 91 18:23:02 GMT
References: <1154.27A2ECFD@w8grt.fidonet.org>
<1991Jan29.044137.20914@zoo.toronto.edu> <1321@catnip.berkeley.ca.us>
Reply-To: jcallen@encore.Com (Jerry Callen)
Organization: Encore Computer Corp, Marlboro, MA
Lines: 14
```

```
Posted: Wed Jan 30 12:23:02 1991

In article <1321@catnip.berkeley.ca.us> bandy@catnip.berkeley.ca.us writes:

>[Fears that Usenet is giving away Vital U.S Secrets and a nasty little jab
> at Henry Spencer]

If any of Saddam's minions is smart enough to set up a Unix system, set up
news and get a news feed, then surely Saddam already knows about any plan
to degrade GPS signals during a crisis.

If Saddam is treating Usenet as a reliable information source then he's even
dumber than his worst critics think. :-)

-- Jerry Callen
   jcallen@encore.com


From -6339549476662577039
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,49f4feb6e9496862
X-Google-Attributes: gid105d97,public
X-Google-Thread: 10b271,49f4feb6e9496862
X-Google-Attributes: gid10b271,public
X-Google-ArrivalTime: 1991-01-30 14:45:32 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!Jim.Grubs,.W8GRT
From: Jim.Grubs,.W8GRT@w8grt.fidonet.org (Jim Grubs, W8GRT)
Newsgroups: rec.ham-radio,sci.electronics,sci.physics
Subject: GPS accuracy in wake of Desert Storm?
Message-ID: <1167.27A6BD41@w8grt.fidonet.org>
Date: 30 Jan 91 19:21:21 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 51
Xref: gmdzi rec.ham-radio:20008 sci.electronics:11198 sci.physics:11267


 > From: bandy@catnip.berkeley.ca.us (Gun Control is Hitting Your Target)
 > Date: 30 Jan 91 06:02:13 GMT
 > Organization: The People's Number Four Cat Farm, Berkeley CA, USA
 > Message-ID: <1321@catnip.berkeley.ca.us>
 > Newsgroups: rec.ham-radio,sci.electronics,sci.physics
 >
 > henry@zoo.toronto.edu (Henry Spencer) writes:
 >
 > >> > From: michael@vk2bea.UUCP (Michael G. Katzmann)
 > >> > Has anyone noticed a degradation of the Navstar GPS system since the
 > >> > outbreak of unpleasentness in the middle east?
 > >> > The implication, when GPS was first started, was that during times of
 > >> > crisis the C/A code would be degraded so that an enemy could not use
 > it.
 >
```

> >In article <1154.27A2ECFD@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org
> (Jim Grubs) writes:
> >>Jeepers, Michael, why don't we just invite Saddam to sit in on JCS
> planning
> >>sessions and be done with it?
>
> >Why bother? There is nothing secret about any of this. There is nothing
> >to be gained, and a fair bit to be lost, by keeping the public in ignorance
> >of things Saddam already knows.
>
> So, Henry, how do you know that Saddam already knows this?

Agreed. Non-professionals in the intelligence/espionage field assume too much. We all have difficulty dealing with the concept that there are important things we know nothing about. This is related to the not unnatural chauvinism many feel toward their own chosen profession.

Besides, even if the enemy finds out by other means, why make it easy for them? Make him fight for everything he learns.

Moreover, at present his chief source of foreign intelligence appears to be CNN which ain't exactly high-tech. [:-)

> This is not a trivial little flame - you never know what someone knows
> until
> they give you the details.

Moreover, every little piece you provide contributes to a process of selection by elimination. Telling the enemy how something is NOT done can be as important as telling him how it IS done.

--
Jim Grubs, W8GRT - Support OPERATION DESERT STORM - the 9th Crusade!
UUCP: ...!uunet!w8grt!Jim.Grubs,.W8GRT
INTERNET: Jim.Grubs,.W8GRT@w8grt.fidonet.org

From -3369137453034529254
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43ddf726ddd47ac9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 14:48:50 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!pacbell.com!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: freedom of speech
Message-ID: <688@chiton.ucsd.edu>
Date: 30 Jan 91 18:58:51 GMT
References: <146@canada.sbi.com>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 146

In article <146@canada.sbi.com> jerrys@canada.sbi.com (Jerry Simonowits) writes:
>
>   I believe it is a thought provoking conversation provoking
>article. My intent is not to startup another flame war, but to encourage
>an adult exchange regarding freedom of speech and radio.

I'm afraid this has the potential for generating a major flare on the surface of the network. A proton event should hit the net within 24-48 hours with a resulting degradation of communication on all paths.

>   Freedom of Speech and Amateur Radio
>   -----------------------------------
Major flare alert.... The K is rising....

> What attraction is
>there for the general public to spend thousands of dollars on an amateur
>radio station just to be able to say "5-9, New York" to a Russian ham ?

If the writer of this has to ask this question he can't possibly be active on the bands. I'm sure the many DX friends I have made over the years would be puzzled by this assertion.

>   Section 97.117 degraded amateur communications to unimportant
>remarks of a personal character -- remarks so unimportant you wouldn't even
>waste a phone call on them. Thus, there is a built-in damper on any
>interesting communication on the amateur bands.

Nonsense. The FCC rules have for the most part saved the Amateur Radio Service from degrading into uninteresting political/religious propagandizing.

Any conversation I have to pick up the phone for is one I would rather avoid. That's uninteresting. There is no damper on interesting communication unless you define as "interesting" some of the narrow-minded soap-box ranting you can find on some of bands today to the detriment of Amateur Radio and in violation of the rules.

>   Now, I know that the genesis of this provision is an ITU regulation,
>and I understand the politics of protecting common carriers from lost
>revenue. I also am aware that this regulation is violated every minute of
>every day. But it seems to me that amateur radio will never thrive as long
>as there is a gag order on intelligent conversation.

Amateur radio is doing just fine without this attack on regulations that have served to protect it from people who would like to use it to advance their own personal agenda. If you don't think Amateur Radio is thriving right now you've got glue in your headphones. The local clubs, repeater groups, nets in my area area are thriving with activity. The idea that Amateur Radio needs "saving" is always pushed by those who have the "solution". Their own personal agenda.

>   I think that we wouldn't have to be concerned about losing amateur
>frequencies if we could use the frequencies for more than experiments and
>contests.

The fastest way to lose all of our spectrum is to turn Amateur Radio into an international propaganda service.

>Section 97.1 of the amateur rules provides that one of the purposes
>of the amateur service is "continuation and extension of the amateur's unique
>ability to enhance international goodwill." How can we accomplish that
>through "remarks of a personal character for which, by reason of their
>unimportance, recourse to the public telecommunications service is not
>justified."?

International goodwill is enhanced by the "personal character" of the communications. International goodwill will be destroyed when this close personal relationship is replaced by a confrontational one.

>   I think that we should be going into WARC-92 with a proposal to
>eliminate this provision. In addition, we should esamine carefully the
>restriction on free speech which the FCC imposes on domestic amateur
>communication.

You can't yell "fire" in a crowded room because of the damage that act would cause and you can't yell other things into a microphone because of the damage that would cause. Same deal me bucko.

>   For example in &97.113, it says:"No station shall transmit communi-
>cations as an alternative to other authorized radio services, except as
>necessary to providing emergency communications." Under this regulation,
>the existance of call-in talk radio programs on broadcast station would seem
>to prohibit most discussion nets, since the net control is performing the same
>role as a Larry King in that type of net.

Somebody looking for a way use Amateur Radio as a cheap forum for their particular political/religious agenda?

>   In fact, just about all of &97.113 is of questionable value.

Questionable value to you. It protects me from having to listen to this kind of drivel on the air.

>   While I certainly agree that communications for hire, and obscene
>communications should be prohibited on the amateur bands,

Political/religious pontificating is "obscene" to me. So the writer agrees that it has no place in Amateur Radio.

>it is not clear
>to me why the playing of music should be prohibited in a two-way communi-
>cation.

Ever hear of copyright laws? Is this really an "attorney" writing this?

>The existence of regulations like 97.113 and 97.117 has turned many
>hams into amateur attorneys,

Now you've got me. If this is true I will support any action to prevent this from happening.

> having to interpret the rules to decide what
> speech is permissible and what is not.

There should be no trouble using common sense to decide what is in the best interest of the Amateur Radio Service.

>   The truth is that amateur radio will not thrive untill all speech of a
>non-obscene and non-commercial nature is permitted on the amateur bands.
>What better way to demonstrate to the newly-democratic Eastern bloc the
>freedom of speech which has been the glory of this nation than to fight at
>WARC-92 for the freedom of speech in amateur radio. When hams can legally
>have intelligent discussions on HF, interest in amateur radio will rebound.
>When we can legally offer new hams more than just call signs and signal
>reports, there will be a good reason to get involved in amateur radio --
>stimulating conversation with people all over the world. And that's the
>reason many of us became involved in amateur radio to begin with.

I'm speechless...
>
>FRANK TERRANELLA is an attorney and amateur radio operator.

I've been trying to behave folks...I really have. But this one really steams my finals. The mess on 14.313 and several other incidents on the bands that have attracted the attention of the FCC are a direct result of a failure on the part of those involved to follow the very simple rules found in Part 97.

When you attract the attention of the FCC you cause them more work. When you cause them more work, you cost them money. When you cost them money they will have to look for ways to reduce their costs. Get my drift?

AA6PN

--
richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From -8712670043634844876
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f90dc4e412e1aa1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9f90dc4e412e1aa1
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10ed7b,e1502104b6d8a40d
X-Google-Attributes: gid10ed7b,public
X-Google-Thread: fb9af,9f90dc4e412e1aa1
X-Google-Attributes: gidfb9af,public

X-Google-ArrivalTime: 1991-01-30 15:14:06 PST
Path: gmdzi!unido!mcsun!cernvax!chx400!hslrswi!teape
From: teape@hslrswi.hasler.ascom.ch (Andrew Kiggins)
Newsgroups: rec.radio.shortwave,rec.ham-radio,talk.rumors,talk.bizarre
Subject: Re: Radio Signals from Space?!?
Keywords: radio shortwave ham space signals astronauts Tesla WBA.
Message-ID: <1804@hslrswi.hasler.ascom.ch>
Date: 30 Jan 91 16:34:46 GMT
References: <1290@pdxgate.UUCP> <1991Jan28.211244.7808@porthos.cc.bellcore.com>
<2753@cod.NOSC.MIL>
Followup-To: rec.radio.shortwave
Organization: Ascom Hasler AG, CH-3000 Berne 14, Switzerland
Lines: 12
Xref: gmdzi rec.radio.shortwave:3984 rec.ham-radio:20010 talk.rumors:160
talk.bizarre:2080

In article <2753@cod.NOSC.MIL> deichman@cod.nosc.mil.UUCP (Shane D. Deichman)
mis-quotes :-

>coooooper.....
>
>cooper.....
>
>cooper....

and 1..2..3..4..5.. and Ali scrambles to his feet.
just keeping the facts straight.
teape.

From 799720671169665100
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3dd5619283c8c715,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 15:20:47 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!know!tegra!vail
From: vail@tegra.COM (Johnathan Vail)
Newsgroups: rec.ham-radio
Subject: ACK! HELP! (Icom u2 Mods...)
Message-ID: <2004@atlas.tegra.COM>
Date: 30 Jan 91 19:30:39 GMT
Organization: Tegra-Varityper, Inc., Billerica, MA
Lines: 20

I followed a posted modification for the u2 for extended TX capability. The mod worked fine, extending the range satisfactorily but had the unfortunate side effect of eliminating Duplex for repeater operation. The duplex switch has no effect, it is stuck as a simplex radio now.

Anybody hacked with u's before?

Anybody tried this mod without this happening? maybe I really did
break something?

jv

"Don't Ever Antagonize The Horn"

```
 -----
|     | Johnathan Vail | n1dxg@tegra.com
|Tegra| (508) 663-7435 | N1DXG@448.625-(WorldNet)
 -----  jv@n1dxg.ampr.org {...sun!sunne ..uunet}!tegra!vail
```

From -4050046239406858653
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c65f4c523163363c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 15:38:26 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!joehol
From: joehol@microsoft.UUCP (Joseph HOLMAN)
Newsgroups: rec.ham-radio
Subject: Re: U2MIR
Summary: re:u2mir frequencies
Message-ID: <70327@microsoft.UUCP>
Date: 30 Jan 91 18:07:03 GMT
References: <52.John@mcc.nu.jh> <241@platypus.uofs.edu>
Organization: Microsoft Corp., Redmond WA
Lines: 11

musa will be working on 145.550 -- i heard and worked him on that frequency
on 01.29.91 at about 20:15 UTC. his signals were s9 to s20.

joe ka7ldn

> > Last weekend my system had U2MIR in the axheard list on 144.625, I
>
> OK, someone (AMSAT?) what is the definitive word on what frequency
> U2MIR is going to be using?? So far people have been claiming to
> bill   KB3YV

From -3407326327514078894
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d20358612653545a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 15:41:43 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!mikemr
From: mikemr@microsoft.UUCP (Michael MRAZ)
Newsgroups: rec.ham-radio
Subject: Re: What do I want in a radio?
Summary: ME TOO!!
Message-ID: <70330@microsoft.UUCP>

Date: 30 Jan 91 19:08:08 GMT
References: <25.Jan.91.12:09:53.GMT.#7896@UK.AC.NWL.IA>
Organization: Microsoft Corp., Redmond WA
Lines: 11

If you find a source for that KWM-2A kit, please let me know. Of course, alignment might be a problem :-)

I was looking for a Collins desktop kilowatt transmitter last year (the KWS-1, separate exciter/power supply, pair of 4CX250 finals). I talked to several people who were selling older Collins stuff, including several KWS-1s. They said that they had received several calls from JA hams who wanted the rigs very badly. Seems that the older Collins rigs are in great demand in JA-land. Now, I wonder what THEY know that WE don't...

From -888514983519931181
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cce582995e4d997d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 15:44:17 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!Outlaw.UWyo.Edu!jimkirk
From: jimkirk@Outlaw.UWyo.Edu (James Kirkpatrick)
Newsgroups: rec.ham-radio
Subject: War-Surplus GPS receivers?
Message-ID: <910130132908.20200c15@UWYO.BITNET>
Date: 30 Jan 91 20:29:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9

After the gulf war is over, is it likely that there will be massive dumping of used civilian GPS receivers onto the market? Previous messages stated that the armed forces had to rush out and buy lots of civilian models and ship them to the gulf; once they get their own models purchased, I would presume they would have no use for all the non-military units. This might take a year or two, and they might hang on to *some* of the civilian units for training. Any guesses?

Jim Kirkpatrick WB7BUP   JIMKIRK@CORRAL.UWYO.EDU

From -4919195652790498811
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,365ca223d8372716,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 15:44:44 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!OUTLAW.UWYO.EDU!jimkirk
From: jimkirk@OUTLAW.UWYO.EDU (James Kirkpatrick)

Newsgroups: rec.ham-radio
Subject: Cellular channel numbers
Message-ID: <910130133057.20204661@UWYO.BITNET>
Date: 30 Jan 91 20:30:57 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5

A friend recently got a tour of a cell site, and wrote down the channel
numbers indicated on the equipment. How does one translate a channel
number to receive and transmit frequencies?

Jim Kirkpatrick   WB7BUP   JIMKIRK@CORRAL.UWYO.EDU

From 8091243626724179667
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10501b,fa402d43d3ab5481
X-Google-Attributes: gid10501b,public
X-Google-Thread: 1594fa,fa402d43d3ab5481
X-Google-Attributes: gid1594fa,public
X-Google-ArrivalTime: 1991-01-30 15:58:30 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!milton!sumax!ole!johnny5!garvey
From: garvey@johnny5.uucp (Joe Garvey)
Newsgroups: rec.electronics,rec.ham-radio,rec.physics
Subject: Re: GPS accuracy in wake of Desert Storm?
Keywords: GPS Navigation
Message-ID: <1991Jan30.073915.6012@johnny5.uucp>
Date: 30 Jan 91 07:39:15 GMT
References: <846@vk2bea.UUCP>
Followup-To: rec.electronics
Organization: J5 Research -- Bothell, Wa.
Lines: 56
Xref: gmdzi rec.ham-radio:20017

In article <846@vk2bea.UUCP>, michael@vk2bea.UUCP (Michael G. Katzmann) writes:
> Has anyone noticed a degradation of the Navstar GPS system since the
> outbreak of unpleasentness in the middle east?
>
> The implication, when GPS was first started, was that during times of
> crisis the C/A code would be degraded so that an enemy could not use it.
>
> Does differential GPS totally get around this, or is there a trick
> they can use to defeat this technique?

It's fair to think of GPS as two signals. One for "normal" users... like
someone guiding a fishing boat, etc... and one for military users.
With the military signal you can measure *extremely* accurately... look
at what the Tomahawk missles did. With the normal signal you can get near
a major football stadium... as opposed to the left or right upright in

one endzone.

Beleive it or not... at one point the US Coast Guard couldn't get access to the military signal. Their solution was to create something called differential GPS. They measure very precisely --once-- the location of a fixed land site. This site radiates an accurate signal that when combined with the normal GPS signal results in Coast Guard being able to pinpoint a spot very accurately again. Since the Coast Guard has a limited operating area this works quite well.

The normal signal is really the military signal with noise mixed in. I can't really see them degrading the normal signal further. After all the Iraqi army doesn't seem to have anything that uses it. SCUDs seem to have a hard time hitting the country they're aimed at much less a pinpoint target (several SCUDs went harmlessly out to sea... unless you're a fish... but then fish don't vote :-))

There's nothing secret in this. Attending one trade show on this kind of technology will give you what I've said... and CNN has already told the world how accurate our missles are (which is perhaps the most important secret). A trade show I've attended on several occasions (it's a yearly event) is held in Washington DC. You'll see foriegn diplomats going up and down the isles picking up literature... communist block contries too... during the cold war!!!

What really intrigues me is how they got the locations so accurately. From a satellite picture??? Spies? Israeli's? It's one thing to measure it with a GPS receiver... it's quite another to calculate it. Remeber even though it's land it moves just like the ocean with tides, wobble of the earth, etc, and there are probably very few accurately measured landmarks there... not ones that will show up in important military photos.

PS. The Soviets have their own GPS system too. I believe it's called GOSS. No, I don't know what it stands for.

--

Joe Garvey   uucp: uw-beaver!sumax!ole!johnny5!garvey
J5 Research   registration has been sent in, though we're
Bothell, Wa.   not in the maps yet.

From 9098788508204620577
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4977167038154dc0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 18:27:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: books on ham-speak

Message-ID: <1991Jan31.022700.19904@informix.com>
Date: 31 Jan 91 02:27:00 GMT
References: <9101281354.AA05698@ucsd.edu> <1361@west.West.Sun.COM>
<1991Jan30.020752.1654@rice.edu>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 50

In article <1991Jan30.020752.1654@rice.edu> carson@mu.rice.edu (Q) writes:
>I would therefore like to solicit from the net
>recommendations for, and possible sources of, books or articles that
>would be good for a beginner [to learn about ham slang].

I like Doug DeMaw's book, "W1FB's Help For New Hams." I strongly agree with a major point in his book, which is that a lot a "ham speak" is both unnecessary and stupid.

For example, why use Q abbreiviations on phone? Why say "There's a lot of QSB on the band", when you can just say "Your signals are fading." I prefer hearing "I'm getting interference from a nearby station" to "there's a lot of QRM out there, old man." I don't know if he's saying "QRN" or "QRM", so I don't know if we should just change to another frequency, or what.

Hams tend to use English in an interesting way. 2m mobile conversations often end with "I'm destinated now." The word "destinated" does not appear in the dictionary.

I'm especially irritated with the term "seventy-threes". This term means "best regards", so you shouldn't put an "s" on the end of it. The worst is "the very best of seventy-threes, old man", which means "the very best of best regards-es." Use a simple "seven-three", "seventy-three", or better yet, just say "nice chatting with you."

Some hams get offended when people use CB lingo on the air, but they should look at their own lingo first. Which is worse, this:

> Breaker, breaker, good buddy, hey Spacman, you got your ears on?

or:

> We've got QSB over there, old man, and some QRM, so we'd better QSY. My QTH is mobile, and I'm almost destinated over here, so I'll have to say the very best of seventy-threes to you, old man.

Lingo like this does not exactly encourage newcomers to the hobby. Why not speak in plan English when we can?

--

=-=
Randall Rhea   Informix Software, Inc.
Senior Programmer/Analyst, MIS   uunet!pyramid!infmx!randall

From 3174772078962397590
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,82746c76db389b0c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 19:32:53 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Derek Wills)
Newsgroups: rec.ham-radio
Subject: guest operating
Message-ID: <43461@ut-emx.uucp>
Date: 30 Jan 91 22:58:16 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 39
Posted: Wed Jan 30 14:58:16 1991

reed@mozart.amd.com (David F. Reed) says:

>My experience with the ARRL (and no, I don't want a flame war, but...) is
>that they count the station NOT the operator for the award. I have had trouble
>in the past getting cards/awards that spanned a call-sign change because of
>this.

I don't understand this. The DXCC and other awards go to the person whose call is on the QSL submitted cards. In my case (see below), this is the operator and not the station. If you change calls (by upgrading) the cards still count towards DXCC endorsements, so perhaps what you mean is that the award goes to the person, not the station?

If the awards go to the station, then I am in trouble because I have a lot of QSL cards with my call on them, but I don't own a station (I don't even have an HT, in fact I don't even have a baseball cap with my call on it. I know, I'm despicable).   What I do is guest op from our campus club station. The station and I both have Extra class privileges, and I will often work DX with both calls, after a decent interval of a few minutes or a few QSOs, have intervened. Yes, this is probably unfair to those in the pile-up running a microwatt to an indoor vertical, but I don't think think it's illegal or even too immoral.

Anyway, the consensus of postings seems to be that if I owned a real station, someone else could go and operate it using my call, and I (as the DX station) could work myself, but since I don't own a real station, I can't legally work myself from Albania. This sounds quite fair, by the way, I'm not complaining - but I think I'll cancel my ZA trip after all.

Ah, but how about a local with a good station lends his station to me,

and then I lend it to someone else so that they can use my call from
it, now can I work myself?   I love this.

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu

From -7623419071207127810
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43ddf726ddd47ac9
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,43ddf726ddd47ac9
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-30 19:37:17 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!elroy.jpl.nasa.gov!sdd.hp.com!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: freedom of speech
Message-ID: <689@chiton.ucsd.edu>
Date: 30 Jan 91 20:38:47 GMT
References: <146@canada.sbi.com> <69@shasta.Stanford.EDU>
Reply-To: rec@chiton (Richard Currier)
Followup-To: rec.ham-radio
Organization: MPL of SIO at UCSD
Lines: 146
Xref: gmdzi rec.ham-radio:20020 rec.radio.shortwave:3988

>In article <146@canada.sbi.com> jerrys@canada.sbi.com (Jerry Simonowits) writes:
>
>   I believe it is a thought provoking conversation provoking
>article. My intent is not to startup another flame war, but to encourage
>an adult exchange regarding freedom of speech and radio.

I'm afraid this has the potential for generating a major flare on the surface
of the network. A proton event should hit the net within 24-48 hours with
a resulting degradation of communication on all paths.

>   Freedom of Speech and Amateur Radio
>   ----------------------------------
Major flare alert.... The K is rising....

> What attraction is
>there for the general public to spend thousands of dollars on an amateur
>radio station just to be able to say "5-9, New York" to a Russian ham ?

If the writer of this has to ask this question he can't possibly be active
on the bands. I'm sure the many DX friends I have made over the years would
be puzzled by this assertion.

>   Section 97.117 degraded amateur communications to unimportant

>remarks of a personal character -- remarks so unimportant you wouldn't even
>waste a phone call on them. Thus, there is a built-in damper on any
>interesting communication on the amateur bands.

Nonsense. The FCC rules have for the most part saved the Amateur Radio Service
from degrading into uninteresting political/religious propagandizing.

Any conversation I have to pick up the phone for is one I would
rather avoid. That's uninteresting. There is no damper on interesting
communication unless you define as "interesting" some of the narrow-minded
soap-box ranting you can find on some of bands today to the detriment of
Amateur Radio and in violation of the rules.

>   Now, I know that the genesis of this provision is an ITU regulation,
>and I understand the politics of protecting common carriers from lost
>revenue. I also am aware that this regulation is violated every minute of
>every day. But it seems to me that amateur radio will never thrive as long
>as there is a gag order on intelligent conversation.

Amateur radio is doing just fine without this attack on regulations that have
served to protect it from people who would like to use it to advance their own
personal agenda. If you don't think Amateur Radio is thriving right now you've
got glue in your headphones. The local clubs, repeater groups, nets in my area
area are thriving with activity. The idea that Amateur Radio needs "saving"
is always pushed by those who have the "solution". Their own personal agenda.

>   I think that we wouldn't have to be concerned about losing amateur
>frequencies if we could use the frequencies for more than experiments and
>contests.

The fastest way to lose all of our spectrum is to turn Amateur Radio into an
international propaganda service.

>Section 97.1 of the amateur rules provides that one of the purposes
>of the amateur service is "continuation and extension of the amateur's unique
>ability to enhance international goodwill." How can we accomplish that
>through "remarks of a personal character for which, by reason of their
>unimportance, recourse to the public telecommunications service is not
>justified."?

International goodwill is enhanced by the "personal character" of the communications. International goodwill will be destroyed when this close personal
relationship is replaced by a confrontational one.

>   I think that we should be going into WARC-92 with a proposal to
>eliminate this provision. In addition, we should esamine carefully the
>restriction on free speech which the FCC imposes on domestic amateur
>communication.

You can't yell "fire" in a crowded room because of the damage that act would
cause and you can't yell other things into a microphone because of the damage
that would cause. Same deal me bucko.

> For example in &97.113, it says:"No station shall transmit communications as an alternative to other authorized radio services, except as necessary to providing emergency communications." Under this regulation, the existance of call-in talk radio programs on broadcast station would seem to prohibit most discussion nets, since the net control is performing the same role as a Larry King in that type of net.

Somebody looking for a way use Amateur Radio as a cheap forum for their particular political/religious agenda?

> In fact, just about all of &97.113 is of questionable value.

Questionable value to you. It protects me from having to listen to this kind of drivel on the air.

> While I certainly agree that communications for hire, and obscene communications should be prohibited on the amateur bands,

Political/religious pontificating is "obscene" to me. So the writer agrees that it has no place in Amateur Radio.

> it is not clear
> to me why the playing of music should be prohibited in a two-way communication.

Ever hear of copyright laws? Is this really an "attorney" writing this?

> The existence of regulations like 97.113 and 97.117 has turned many hams into amateur attorneys,

Now you've got me. If this is true I will support any action to prevent this from happening.

> having to interpret the rules to decide what
> speech is permissible and what is not.

There should be no trouble using common sense to decide what is in the best interest of the Amateur Radio Service.

> The truth is that amateur radio will not thrive untill all speech of a non-obscene and non-commercial nature is permitted on the amateur bands. What better way to demonstrate to the newly-democratic Eastern bloc the freedom of speech which has been the glory of this nation than to fight at WARC-92 for the freedom of speech in amateur radio. When hams can legally have intelligent discussions on HF, interest in amateur radio will rebound. When we can legally offer new hams more than just call signs and signal reports, there will be a good reason to get involved in amateur radio -- stimulating conversation with people all over the world. And that's the reason many of us became involved in amateur radio to begin with.

I'm speechless...

>
> FRANK TERRANELLA is an attorney and amateur radio operator.

I've been trying to behave folks...I really have. But this one really steams my finals. The mess on 14.313 and several other incidents on the bands that have attracted the attention of the FCC are a direct result of a failure on the part of those involved to follow the very simple rules found in Part 97.

When you attract the attention of the FCC you cause them more work. When you cause them more work, you cost them money. When you cost them money they will have to look for ways to reduce their costs. Get my drift?

AA6PN

--
richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From 2551316169599498192
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,365ca223d8372716
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 19:39:20 PST
Path: gmdzi!unido!mcsun!uunet!spool.mu.edu!sdd.hp.com!caen!hellgate.utah.edu!csn!ub!dsinc!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Re: Cellular channel numbers
Message-ID: <36643@netnews.upenn.edu>
Date: 30 Jan 91 21:37:09 GMT
References: <910130133057.20204661@UWYO.BITNET>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 50
Posted: Wed Jan 30 15:37:09 1991

In article <910130133057.20204661@UWYO.BITNET> jimkirk@OUTLAW.UWYO.EDU (James Kirkpatrick) writes:
>A friend recently got a tour of a cell site, and wrote down the channel
>numbers indicated on the equipment. How does one translate a channel
>number to receive and transmit frequencies?
>
>Jim Kirkpatrick   WB7BUP   JIMKIRK@CORRAL.UWYO.EDU

Well, it's somewhat complex, but I'll try to explain. Each cell site has either 15 or 16 channels allocated to it. There are a total of 666 total frequencies (errie, isn't it?). There are, by FCC regs, always 2 competing systems - one called the A system with is owned and operated by a company that is normally NOT involved with landlane phone service, and a B company that is involved with normal landline phone service. Each (A and B) has 333 channels, 21 channel blocks. All the frequencies for one of the 21 channel blocks is used at a particular cell site.

The channels are numbered consecutively from 1 to 16 (or 15). The Tx and Rx frequencies are evenly spaced by 630 KHz with respect to eachother. Each of the Tx/Rx pairs is given a frequency designator, numbered 1 to 666. Thus, each of the 1-to-16 channel numbers corresponds to a frequency designator, each being 21 frequency numbers apart. Let me give you an example and it might make it easier to understand:

Cell #1 - Band A

Channel	Freq	Tx	Rx
1	333	879.990	834.990
2	312	879.360	834.360
3	291	878.730	833.730
..	..	..	..

Spacing: 21 630 KHz 630KHz

To figure out all of the Tx/Rx pairs for a given cell site, you only need to know one of the Frequency designators in the cell. The channel 1's for system A start at 333 and go down; the channel 1's for system B start at 334 and go up. In the above example, in system A, the Tx/Rx frequencies go down; in system B they go up (with respect to the channel number).

This probably isn't making a whole lot of sense, but in reality, the band plan is very well organized. It would be easy to write "formulas" to compute each of the frequencies/channel numbers/etc. for every cell.

```
                                     --- Jeff
--
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
 Jeff DePolo  N3HBZ              Twisted Pair: (215) 386-7199
 depolo@eniac.seas.upenn.edu     RF: 146.685- 442.70+ 144.455s (Philadelphia)
 University of Pennsylvania      Carrier Pigeon: 420 S. 42nd St. Phila PA 19104
```

From 6161457777572372752
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,49f4feb6e9496862
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-01-30 19:47:22 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!newstop!sun!amdcad!brahms!phil
From: phil@brahms.amd.com (Phil Ngai)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <1991Jan30.232701.25602@amd.com>
Date: 30 Jan 91 23:27:01 GMT
References: <1154.27A2ECFD@w8grt.fidonet.org>
<1991Jan29.044137.20914@zoo.toronto.edu> <1321@catnip.berkeley.ca.us>

Sender: usenet@amd.com (NNTP Posting)
Organization: Advanced Micro Devices, Inc; Sunnyvale, CA
Lines: 12
Xref: gmdzi rec.ham-radio:20022 sci.electronics:11202

In article <1321@catnip.berkeley.ca.us> bandy@catnip.berkeley.ca.us (Gun Control
is Hitting Your Target) writes:
|So, Henry, how do you know that Saddam already knows this?

Let's see, if Saddam doesn't have a GPS, it doesn't matter to him
how accurate the GPS he doesn't have is. If he does have a GPS,
it's not going to be hard to find out how accurate it is, assuming
he knows the coordinates of at least one location he has access to.

--
When someone drinks and drives and hurts someone, the abuser is blamed.
When someone drinks and handles a gun and hurts someone,
the media calls for a gun ban.

From 5470669420656758718
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43ddf726ddd47ac9
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,43ddf726ddd47ac9
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-30 19:51:36 PST
Path: gmdzi!unido!mcsun!uunet!spool.mu.edu!sol.ctr.columbia.edu!
cunixf.cc.columbia.edu!cunixb.cc.columbia.edu!mig
From: mig@cunixb.cc.columbia.edu (Meir)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: freedom of speech
Message-ID: <1991Jan30.225413.24716@cunixf.cc.columbia.edu>
Date: 30 Jan 91 22:54:13 GMT
References: <146@canada.sbi.com> <69@shasta.Stanford.EDU>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Reply-To: mig@cunixb.cc.columbia.edu (Meir)
Organization: Columbia University
Lines: 116
Xref: gmdzi rec.ham-radio:20023 rec.radio.shortwave:3990
Posted: Wed Jan 30 16:54:13 1991

In article <146@canada.sbi.com> jerrys@canada.sbi.com (Jerry Simonowits) writes:
>
>Hi,
>   I recently came accross this most interesting piece in my
>ARC publication. I have received permission from the author to
>"re-print" it here. Please note that I retyped the whole thing by
>hand and any "typos" are my responsiblity alone.
>
>   I believe it is a thought provoking conversation provoking
>article. My intent is not to startup another flame war, but to encourage
>an adult exchange regarding freedom of speech and radio.

>
>   Please post your comments. I will summarize them and give the
>original author your feedback.
>
>--
>
>
>
>   Freedom of Speech and Amateur Radio
>   -----------------------------------
>
>   There has been much concern in recent years regarding declining
>interest among the general public to become involved in amateur radio.
>Surprisingly, this comes at a time when the Cold War has ended and
>communications between amateurs in this country and those behind the
>former Iron Curtain are enjoying a renaissance. What can explain this
>anomoly ? Isn't the general public aware that amateur radio enables them to
>speak directly to Lithuanians and Hungarians, rather than having to rely on
>new reports ? Surely amateur radio should be attracting new devotees in
>droves.
>
>   The fact is that his is not happening and I believe I have pinpointed
>one of the reasons. 47 CFR &97.117 states:"Transmissions to a different
>country, where permitted, shall be made in plain language and shall be
>limited to messages to a technical nature relating to tests, and, to remarks
>of a personal character for which, by reason of their unimportance, recourse
>to the public telecommunications service is not justified." What attraction is
>there for the general public to spend thousands of dollars on an amateur
>radio station just to be able to say "5-9, New York" to a Russian ham ?
>
>   Section 97.117 degraded amateur communications to unimportant
>remarks of a personal character -- remarks so unimportant you wouldn't even
>waste a phone call on them. Thus, there is a built-in damper on any
>interesting communication on the amateur bands.
>
>   Now, I know that the genesis of this provision is an ITU regulation,
>and I understand the politics of protecting common carriers from lost
>revenue. I also am aware that this regulation is violated every minute of
>every day. But it seems to me that amateur radio will never thrive as long
>as there is a gag order on intelligent conversation.
>
>   I think that we wouldn't have to be concerned about losing amateur
>frequencies if we could use the frequencies for more than experiments and
>contests. Section 97.1 of the amateur rules provides that one of the purposes
>of the amateur service is "continuation and extension of the amateur's unique
>ability to enhance international goodwill." How can we accomplish that
>through "remarks of a personal character for which, by reason of their
>unimportance, recourse to the public telecommunications service is not
>justified."?
>
>   I think that we should be going into WARC-92 with a proposal to
>eliminate this provision. In addition, we should esamine carefully the
>restriction on free speech which the FCC imposes on domestic amateur

>communication.
>
>   For examiple in &97.113, it says:"No station shall transmit communi-
>cations as an alternative to other authorized radio services, except as
>necessary to providing emergency communications." Under this regulation,
>the existance of call-in talk radio programs on broadcast station would seem
>to prohibit most discussion nets, since the net control is performing the same
>role as a Larry King in that type of net.
>
>   In fact, just about all of &97.113 is of questionable value. While it
>is clear that an "amateur" service should be free of business communications
>in the strict sense of communications which facilitate financial gain by
>someone, why should it be prohibited for a radio club to use the amateur
>bands to anounce the next club meeting ? The FCC considers such communications
>to be business communications despite the fact that the beneficiary is a non-
>profit organization. (Ifi you have any doubts regarding the FCC position on
>this, talk to Glenn Baxter, K1MAN, who was cited by the FCC for violating
>this rule by talking ut the Amateur RAdio Peace Corps.)
>
>   While I certainly agree that communications for hire, and obscene
>communications should be prohibited on the amateur bands, it is not clear
>to me why the playing of music should be prohibited in a two-way communi-
>cation. The existence of regulations like 97.113 and 97.117 has turned many
>hams into amateur attorneys, having to interpret the rules to decide what
>speech is permissible and what is not.
>
>   The truth is that amateur radio will not thrive untill all speech of a
>non-obscene and non-commercial nature is permitted on the amateur bands.
>What better way to demonstrate to the newly-democratic Eastern bloc the
>freedom of speech which has been the glory of this nation than to fight at
>WARC-92 for the freedom of speech in amateur radio. When hams can legally
>have intelligent discussions on HF, interest in amateur radio will rebound.
>When we can legally offer new hams more than just call signs and signal
>reports, there will be a good reason to get involved in amateur radio --
>stimulating conversation with people all over the world. And that's the
>reason many of us became involved in amateur radio to begin with.
>
>
>FRANK TERRANELLA is an attorney and amateur radio operator.

I think that there is room for some political discussion between two well-meaning and behaving Amateurs, regardless of their respective countries.
I DO think that the bounds of friendship would increase EVEN if the Amateurs disagree.

The current rules are extremely oppressive and DO limit freedom of speech unnecessarily.
Thank you for posting this thought-provoking article.

 * * * * * * * ======================= Meir Green
* * * * * * * * ======================= mig@cunixb.cc.columbia.edu
 * * * * * * * ======================= N2JPG

From 2921407694677855570
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,365ca223d8372716
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 19:54:06 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!att!pacbell.com!ucsd!qualcom.qualcomm.com!kleing
From: kleing@qualcomm.com (Klein Gilhousen)
Newsgroups: rec.ham-radio
Subject: Re: Cellular channel numbers
Message-ID: <1991Jan30.224214.2324@qualcomm.com>
Date: 30 Jan 91 22:42:14 GMT
References: <910130133057.20204661@UWYO.BITNET>
Organization: Qualcomm Inc., San Diego, CA
Lines: 26

Jim Kirkpatrick   WB7BUP   JIMKIRK@CORRAL.UWYO.EDU, writes to ask about cellular channel numbering vs frequency.

The formula for cellular frequencies vs channel number, N, is as follows:

1<=N<=799 ;   0.03N + 825 MHz for mobile xmit;
990<=N<=1023   0.03(N-1023) + 825   MHz also for mobile xmit;

Base station xmit frequencies are 45 MHz higher than corresponding mobile xmit.

Source: EIA/TIA -552

The peculiar numbering scheme is an artifact of the way the FCC allocated spectrum to the cellular service. First, a total of 40 MHz was allocated to be equally divided between two service providers in each service area. Then the FCC allocated another 10 MHz to the service, but some on the high side of the original allocation and some on the low side. The numbering of channels got screwed up in the process.

Hope this answers your question.

Klein S. Gilhousen, WT6G
Qualcomm, Inc.
San Diego, CA

From 5732061805821836033
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d9fb8fccfc019fa8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 19:54:25 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio

Subject: Re: Omni vs beam antennas
Message-ID: <9101302244.AA02292@tilde>
Date: 30 Jan 91 22:44:51 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 49

<engle@wdl1.wdl.fac.com (David Engle)> David says:

Subject: Re: Omni vs beam antennas.

>While not I am not sure what exactly the theory says for each case of a "hidden" transmitter, I can relate some of my experiences (Which tend to support the omni approach).

(some deleted)

>I have good connectivity to about 50% of the other users. I was using an omni antenna and running about 10 watts. Signals at both ends were full

(some deleted)

>I got an amplifier and used that with the beam. I did not notice any significant difference in my drop out rate with the amplifier.
>
>Next I put up an omni gain antenna, outside, higher and in the clear. I disconnected the amplifier and ran just this configuration for a while. This configuration stayed connected longer (when a greater quantity of users came on) that that of the beam. I now found I would get dropped only when the user community went to more than ~22 users.

This is starting to sound vaguely familiar, sort of like a voice from the dim past.

>Next I rolled out the bigger hammer again. Presto, I now stay connected substantially longer that ever before (even up to ~25 users). Reflection shows that my station needed to heard by others to keep from being collided with, rather than just having the loudest signal at the central node. This is just what the theory says, nice huh?
>
>I found the answer to keeping connected in the face of an "overloaded" system to be going to more power with the omni gain antenna. The beam was definitely a detraction in my situation. Now, if a station were in a "hole" and truly isolated from the rest of the community, this would probably not be the optimum situation.

Now I know where I heard something like this! On the "Citizens Band". Of course, the next step, in the event one continues to get bumped off, is to go to a couple hundred watts, or, heck, just hit it with a gallon or two--just to make sure, you know?   :)

Dave, this is not a flame attack; and I'm sure that your motive is pure.
I just couldn't help noticing the logic parallel.

73,
Dube   N5PDK

From -1259643446905665716
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e9deb5ba94bfa981,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 19:58:29 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!usc!julius.cs.uiuc.edu!psuvax1!psuvm!ysub!msu!cmuvm!34l4f3x
From: 34L4F3X@CMUVM.BITNET
Newsgroups: rec.ham-radio
Subject: general questions
Message-ID: <91030.16043234L4F3X@CMUVM.BITNET>
Date: 30 Jan 91 21:04:31 GMT
Organization: Central Michigan University
Lines: 12

To anyone who can answer some dumb questions:

I have been overseas and been inactive for over two years. I am a novice and I would love if someone could give me the heads up on what's new with the novice privledges. I would also like to know what is going on about the code/no-code battle.

If anyone feels like enlightening me please write directly to:

34L4F3X@CMUVM

Thanks   Matt KA5YHN

From 5236787622044403123
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cce582995e4d997d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 20:01:25 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!caen!hellgate.utah.edu!csn!ub!dsinc!netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: War-Surplus GPS receivers?
Message-ID: <252@platypus.uofs.edu>
Date: 30 Jan 91 22:16:00 GMT
References: <910130132908.20200c15@UWYO.BITNET>
Organization: University of Scranton, Scranton, PA
Lines: 17

When was the last time you saw recent military surplus available in the US??

We have a Surplu dealer locally who is part of a group of five who put
together a surprising number of winning bids for surplus electronics.
He doesn't even open up his yard locally anymore. The last I heard he
was doing very well selling it in places like South America.
Kind of makes you wonder how much American Electronics Iraq has.

Sure would love to get my hands on a couple of AN/GRC-106's cheap.

bill   KB3YV

--

```
     Bill Gunshannon           |        If this statement wasn't here,
     bill@platypus.uofs.edu    |  This space would be left intentionally blank
```

From 9101349467064553434
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f90dc4e412e1aa1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9f90dc4e412e1aa1
X-Google-Attributes: gid114aac,public
X-Google-Thread: fb9af,9f90dc4e412e1aa1
X-Google-Attributes: gidfb9af,public
X-Google-Thread: 10ed7b,e1502104b6d8a40d
X-Google-Attributes: gid10ed7b,public
X-Google-ArrivalTime: 1991-01-30 20:03:53 PST
Path: gmdzi!unido!mcsun!uunet!bonnie.concordia.ca!thunder.mcrcim.mcgill.edu!
snorkelwacker.mit.edu!apple!portal!cup.portal.com!Firesign
From: Firesign@cup.portal.com (Glenn Firesign Josephson)
Newsgroups: rec.radio.shortwave,rec.ham-radio,talk.rumors,talk.bizarre
Subject: Re: Radio Signals from Space?!?
Message-ID: <38671@cup.portal.com>
Date: 30 Jan 91 23:45:26 GMT
References: <1290@pdxgate.UUCP>
  <1991Jan28.211244.7808@porthos.cc.bellcore.com> <2753@cod.NOSC.MIL>
Organization: The Portal System (TM)
Lines: 8
Xref: gmdzi rec.radio.shortwave:3992 rec.ham-radio:20028 talk.rumors:161
talk.bizarre:2094

The owls are not what they seem.

I wonder if this guy saw a monolith too. The gears are easy to explain.
They're just part of the cosmic Erector(tm) set.

Glenn
Firesign@cup.portal.com
72561.1062@compuserve.com

From 418393442660313130
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,fc6e91eee237640a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 20:05:32 PST
Path: gmdzi!unido!mcsun!uunet!spool.mu.edu!sdd.hp.com!elroy.jpl.nasa.gov!lll-winken!unixhub!shelby!agate!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Re: Fluxgate Compass
Message-ID: <9101302255.AA02683@tilde>
Date: 30 Jan 91 22:55:04 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19
Posted: Wed Jan 30 16:55:04 1991

Chuck Sherwood writes:

>I have not managed to make my WWII flux gate work, for several reasons.
> 1) lack of doumentation.
> 2) lack of the electronic section, I have the flux gate and the indicator.
> 3) Its a three phase system, all new systems are two phase.
>   I believe they used a three phase system, because all they had for
>   indicators were syncro motors.

Not only are they 3-phase synchros, they also require 400-Hz supply (I think they are 28-volt, 400-Hz units). 400 Hz has been standard in aircraft for a long time because all the alternators, inverters, transformers and inductors can be made much smaller and lighter at these frequencies than with, say, 60-Hz. Since the full-wave rectified PDC is at 800 Hz, power supply filter capacitors and chokes can be physically and electrically smaller.

73,
Dube   N5PDK

From 6613290627847902391
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,365ca223d8372716
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 22:23:13 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!att!pacbell.com!ucsd!sdcc6!ee299aj
From: ee299aj@sdcc6.ucsd.edu (Jung Ching Ho)
Newsgroups: rec.ham-radio
Subject: Re: Cellular channel numbers
Message-ID: <16201@sdcc6.ucsd.edu>
Date: 31 Jan 91 05:20:11 GMT
References: <910130133057.20204661@UWYO.BITNET>
<1991Jan30.224214.2324@qualcomm.com>
Organization: University of California, San Diego
Lines: 13

for the handheld cellular phone. It seems to me that you can have

good transmission and receiving
anywhere inside a building or in your car. Unlike the HT for hams,
once you get into a building or in a car, both transmitting and
receiving become bad. Can anybody out there tell me what is
going on? I also like to improve the efficiency of my HT, trans,
rece. Althought it has 7W output, it really doesn't work like that.

Thank a lot

JC, N6YEI
optoelectronic lab
UC, San Diego.

From 1332617963227151342
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43ddf726ddd47ac9
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,43ddf726ddd47ac9
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-30 22:27:14 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!att!linac!uwm.edu!spool.mu.edu!sdd.hp.com!
elroy.jpl.nasa.gov!ncar!csn!ub!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: freedom of speech
Summary: more on freedom of speech
Message-ID: <917@wells.UUCP>
Date: 31 Jan 91 04:28:25 GMT
References: <146@canada.sbi.com> <69@shasta.Stanford.EDU>
<1991Jan30.225413.24716@cunixf.cc.columbia.edu>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 40
Xref: gmdzi rec.ham-radio:20033 rec.radio.shortwave:3998

The article is a bit too long to copy, and editing would be
too difficult - just assume my readers have seen the original.

I'm not quite sure what the problem is. I've made many contacts
both in and out of the country, and found that some hams are only
interested in working contest-style, presumably collecting QSL
cards or 10-10 numbers or whatever, never saying more than 59
pse QSL 73, and others can get into meaningful discussions on
nearly every topic.

We have the "no business" restriction; it is really proper, for
without it the ham bands would be business bands.

We have the restriction against obscenity, honored more in the
breech by a tiny minorty, but one that is salient.

We have the music restriction, which somehow I think applies to ALL non-broadcast services.

Other than that we can and do talk about nearly everything.
'
Using the malcontents of 20 meters as examples (such as the noted impropriety of announcing club meetings on the air) is a rather sqlirrily comment. We do such announcing and will continue and will make no secret of it.

I read the posting twice and still don't quite understand the problem. Sure, most DX'ers, especially I's, U's and OK's, have very short canned qsos, but not all. And sometimes it's hard to get a G or DL to quit (but more often they're fascinating.) But I've had many lengthy talks with hams in nearly every country - the big thing is to convince them that their English isn't making them sound stupid. {The converse is the average G. They ALL need a couple years residence in Texas to learn to speak English properly; big problem is they don't know it.}

So maybe I'm missing somethimg, but ** what's the problem ** ?

From 5058648031371859933
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,734d408930003605,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 22:28:27 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!SCHEAT.GSFC.NASA.GOV!clark
From: clark@SCHEAT.GSFC.NASA.GOV (Tom Clark -- W3IWI)
Newsgroups: rec.ham-radio
Subject: FCC Citation of Packet BBSs for Store-and-Forward Msg
Message-ID: <579@scheat.gsfc.nasa.gov>
Date: 31 Jan 91 05:26:26 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: clark@tomcat.gsfc.nasa.gov
Organization: The Internet
Lines: 191
Posted: Wed Jan 30 21:26:26 1991
X-Unparsable-Date: Thu, 31 Jan 91 05:06:49 UTC

Several BBSs on the east coast have been cited by the FCC for the CONTENT of a packet radio message passing thru their systems. The following is a 4-part BIDed bulletin I have sent to @USA for national distribution describing the situation. Please feel free to circulate this info on your local distribution channels since it is most important to get the word out.

FYI -- this is the >>LAST<< @USA messages thru W3IWI before I close that distribution channel here!

```
SB  URGENT@USA < W3IWI  $38140_W3IWI
FCC CITES BBSs FOR @USA MSG (Part 1/4)
R:910131/0445z 38140@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]
```

FCC CENSORS/CENSURES PACKET RADIO

Tom Clark, W3IWI
January 30, 1991

Today a number of packet BBSs on the east coast received citations from the FCC's Norfolk (actually Virginia Beach) Field Office which may well spell the end to much of amateur packet radio. According to Jim, WA4ONG the following packet BBSs (and perhaps others) are involved: N3LA, WA3TSW, KA3CNT, KA3T, WA3ZNW, W3IWI, WA4ONG, WB0TAX and N4HOG [my copy of the citation has not yet arrived in the mail -- the details in this message are taken from a copy WA4ONG faxed to me].

The letter dated January 25th from Mr. J. J. Freeman, Engineer in Charge at the Norfolk Office, to WA4ONG states:

"I have received a report that indicates you may have operated your amateur radio station, call sign WA4ONG, in violation of Section 97.113(a) of the Commission's Rules. It appears that you used the Amateur Radio Service to facilitate the business activity of THE COALITION TO STOP U.SD. INTERVENTION IN THE MIDDLE EAST."

"Specifically, on or about January 5, 1991 you received a packet radio message originated by amateur radio station WA3QNS. You then transmitted this packet radio message to another amateur radio station. The message was:

{ Here appears a copy of the message sent by WA3QNS@N3LA.PA originated at 22:22z on Jan.5 with the BID #21035_N3LA, Subject: Call This Number ASAP. The message listed the business telephones and fax numbers for "The Coalition" as well as a 1-900-xxx-xxxx number to call to "register your voice" I won't repeat the bulletin here, because repeating the bulletin would make it illegal to send this message! }

(Continued in Part 2)

/EX

```
SB  URGENT@USA < W3IWI  $38141_W3IWI
FCC CITES BBSs FOR @USA MSG (Part 2/4)
R:910131/0445z 38141@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]
```

FCC CENSORS/CENSURES PACKET RADIO cont'd

"This activity was a facilitation of the business affairs of the Coalition to Stop U.S. Intervention in the Middle East and therefor {sic} in violation of Section 97.113(a)."

The FCC citation then contains the boilerplate demanding a response within 10 days explaining circumstances and correct actions, and then closing with a chilling "to determine what, if any, enforcement action is required to insure current and future rule compliance" and a statement that future transgressions will bring fines and/or license revocation.

That's the facts. I'll now discuss some of the implications and recommended actions.

THE IMPLICATIONS

The implications of the action by the FCC's Norfolk Field Office are absolutely appalling. What is implied is that each and every station in a store-and-forward network is responsible for the actual message CONTENT passing through each node. The BBSs were cited because their calls were in the message header "audit trail". The FCC's action states that each BBS SYSOP is personally responsible for the "correctness" of all messages merely passing through his system. Here, the W3IWI mail switch handles about 10,000 messages per month automatically. There is NO WAY that I can vouch for every bit that passes through!

If the FCC had instead gleaned its information from on-the-air monitoring, then all the THENET/NETROM/ROSE/TCPIP/DIGIPEATER switches handling the message would have been equally culpable! The implication of the FCC action is that a node control operator must read all information and be prepared to shut the system down at the first hint of an "inappropriate" message. It's hard enough to watch the information passing on 1200 BPS links -- imagine the impossibility of "censoring" 56 kBPS or faster channels.
(Continued in Part 3)
/EX

SB URGENT@USA < W3IWI $38142_W3IWI
FCC CITES BBSs FOR @USA MSG (Part 3/4)
R:910131/0445z 38142@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

THE IMPLICATIONS cont'd

In future networks where redundant channels exist, it is quite possible that a given message will be fragmented and parts of it sent via several parallel paths. The message may exist as a complete entity only at the ends of a virtual path. It would be impossible to implement the censorship the FCC seems to be demanding with such a network, so the "legality" will interfere with development of new technology.

Consider another recent development: amateur packet radio satellites. PACSAT is licensed by the FCC with a US trustee and a cadre of US sysops. PACSAT is, in essence, a flying BBS with the sysops on the ground. In order to screen out "offensive" messages, a ground-based SYSOP has to use a radio channel to verify message CONTENT. But the FCC letter says that the very act of reading an "offensive" message on the radio is illegal. If the Norfolk FCC action is allowed to stand, the logical implication is that PACSATs must be turned off!

A number of us have discussed such issues with responsible individuals at the FCC in Washington ever since the first fledgling days of packet radio. The signal that the FCC sent was that the sole responsibility for the CONTENT of a message lays with the ORIGINATOR. The actions of the Norfolk Office seem to indicate a new policy has been adopted which effectively kills packet radio.

Or -- perhaps -- the Norfolk Engineer in Charge who issued the citations was offended by the particular message and chose to take out his frustrations on all the "King's Messengers" who brought the message to him?

W3IWI COMMENTS AND RECOMMENDATIONS

It is ironic that the WA3QNS message that brought down the wrath of the FCC a number of the BBSs that "touched" his message brought a very vocal response from the packet community informing him that

(1) 1-900-xxx-xxxx are in fact commercial ventures designed to raise money and that a call to the number would cost the caller.

(2) The subject message was probably in violation of 97.113(a) and probably illegal

(Continued in Part 4)
/EX

SB URGENT@USA < W3IWI $38143_W3IWI
FCC CITES BBSs FOR @USA MSG (Part 4/4)
R:910131/0445z 38143@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

W3IWI COMMENTS AND RECOMMENDATIONS cont'd

Personally, I have been silent (but very frustrated) that about the 10% of bulletins addressed @USA (or @ALLUS, @ALLBBS, etc.) that are in poor taste. I have grown tired if blather about censorship, First Amendment Rights and the incredible volumes of hate mail. WA3QNS, by his statements and by the responses to his statements from other folks, has been one of the causes of this frustration. I have longed for the return to normalcy with messages on technical topics and personal communications. I have found it frustrating to pay the electric power bill and pay for the W3IWI hardware for others to engage in marginally offensive "Free Speech". I have wished that the (ab)users of @USA would have exercised more discretion with self-censorship.

But I have gritted what teeth I have left and avoided being a censor. Now, the FCC's CENSURE has left me with no alternative than to be a CENSOR.

Until the FCC tells me that I can do otherwise, I will only release @USA messages that I personally screen and am willing to stake my license on. The priority on my time is such that I don't expect to have time to screen @USA bulletins. Any complaints about my decision will be sent to /dev/null.

{ For other SYSOPs: my way to do this is to have my SWAP file change all @USA etcetera to a dummy address like @HOLD -- thereby preserving any BIDs so I don't get deluged with multiple copies of the same message. Until we get a clarification I would recommend that you also use a similar message condom and practice "Safe BBS". }

For the vast majority of you who do not abuse the system, I'm sorry that this situation has come up and that your ability to "fan out" information will be hindered. Since there have been very few instances of "offensive" personal messages, I'll take the risk of keeping all other packet mail flowing here and I hope the other BBS SYSOPs do likewise. But PLEASE exercise self-policing. The BBS SYSOPs don't want to be held responsible for YOUR words.

The ARRL has already been informed about the Norfolk citations. Because of the potentially devastating impact on all packet radio if the Norfolk situation is allowed to stand, I anticipate a lot of phone calls to be made in the next few days!

73 de Tom, W3IWI
/EX

From -6586621771610852852
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6d118e635cbcd5a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 22:31:10 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Looking for N6YR (SECOND CALL)
Message-ID: <7880430@hpfcdc.HP.COM>
Date: 30 Jan 91 21:20:41 GMT
References: <11491@ucrmath.ucr.edu>
Organization: HP Fort Collins, Co.
Lines: 6

Re: where is N6YR ?

The Powers Street address is in the newest database, too. Have you checked with the Lawrence, Kansas Post Office ?

Perry / KF0CA

From 6362065758215128524
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,922e5441b3b9fb60
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 22:34:44 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!

```
sdd.hp.com!spool.mu.edu!uwm.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: New Icom Handheld
Message-ID: <1991Jan31.035120.439@ux1.cso.uiuc.edu>
Date: 31 Jan 91 03:51:20 GMT
References: <paul.5142@wa1omm.UUCP> <16115@sdcc6.ucsd.edu>
Organization: University of Illinois at Urbana
Lines: 16

ee299aj@sdcc6.ucsd.edu (Jung Ching Ho) writes:

>ICOM IC2-GAT 7W output and for the poor antenna efficiency I can
>hardly make any contact without using other antenna and a linear to
>boost up the receiving/transmitting signal.

A half wave whip antenna (such as made by AEA and others) does a wondeful
job at increasing range.  Going from duck to whip causes a jump in range
much greater than going from low (1w) to high (7w) on the IC-2GAT.

Don't confuse this with 5/8 wave whips which will have a distorted pattern
without a ground plane.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From 6901841651309610268
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc7e338786373d8d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 22:37:05 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!att!pacbell.com!ames!tgv.com!garlough
From: garlough@tgv.com (Trey Garlough)
Newsgroups: rec.ham-radio
Subject: Re: Guest operating
Keywords: just wondering
Message-ID: <1991Jan31.022656.27144@news.arc.nasa.gov>
Date: 31 Jan 91 02:26:56 GMT
References: <43355@ut-emx.uucp>
Sender: usenet@news.arc.nasa.gov (USENET Administration)
Reply-To: trey@tgv.com (Trey Garlough)
Organization: TGV
Lines: 23


In article <43355@ut-emx.uucp>, oo7@ut-emx.uucp (Derek Wills) writes:
| mentioning guest operating in the previous post - does anyone know what
| the rules really are?  Suppose I go on the first expedition to Albania
| in nearly 20 yrs, and work 50,000 hams around the world (all on CW, of
| course).  Is there any way in which I can get credit for a QSO with ZA?
| (for the easily-excitable, I'm not actually thinking of doing this, OK?).
```

```
|
| Logic says no, you can't have a QSO with Albania using your US call if
| you are in Tirana at the time.  But I have also heard that you can "lend"
| your home station to someone who can operate it with your home call and
| thus give you a legal QSO with Albania.  Is this true, and is it true
| in other countries?

It seems as if I have heard stories about DXpeditioners going abroad and
"leaving the key under the mat" so that a neighbor could work the new
one in absentia.  In fact, it seems like I heard a well known (?) story like
this about DJ6SI.  Perhaps someone with a better memory can chime in
with the details.
--
Trey Garlough
TGV, 603 Mission Street, Santa Cruz, CA 95060
trey@tgv.com (Internet)


From 2037018572310423315
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98d400f82550dcb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,98d400f82550dcb,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-30 22:44:24 PST
Path: gmdzi!unido!mcsun!uunet!wang!tosspot!lee
From: lee@tosspot (Lee Reynolds)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Diagrams/manual wanted for CU-1099/FRR
Message-ID: <gP3Lw1w163w@tosspot>
Date: 30 Jan 91 23:49:39 GMT
Organization: Ludus Associates Incorporated
Lines: 8
Xref: gmdzi rec.ham-radio:20038 rec.radio.shortwave:3999

Hi.

Recently obtained a CU-1099/FRR antenna coupler from Fair Radio.
Does anyone out there have a manual or suchlike for this item
that they are either willing to sell or to copy form me?

                Thanks,
                        Lee


From -6610170348112584832
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc7e338786373d8d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 22:51:46 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
```

Subject: Re: Guest operating
Message-ID: <1991Jan31.040935.3240@ux1.cso.uiuc.edu>
Date: 31 Jan 91 04:09:35 GMT
References: <3853@ryn.mro4.dec.com> <1991Jan29.202729.9319@usenet.ins.cwru.edu>
<4763@mentor.cc.purdue.edu>
Organization: University of Illinois at Urbana
Lines: 16

add@mentor.cc.purdue.edu (Lon Ahlen) writes:

>ARRL says on Page 6-4 of The FCC Rule Book C. 1989

>   You may simply "lend" your equipment to your visitor, and the
>   equipment in your shack then becomes your visitor's temporary
>   station. Your visitor signs his own call and operates within the
>   privileges of his license.

Yes, you MAY do this. But that is not the ONLY way to do it. If you trust
the operator well enough, you may allow that operator to be the CONTROL OP
of YOUR station, even in your absence.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -6797503450065645460
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7d49cd453ed34c4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 22:51:50 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!sdd.hp.com!
uakari.primate.wisc.edu!caen!hellgate.utah.edu!dog.ee.lbl.gov!ucsd!sdcc6!ee299aj
From: ee299aj@sdcc6.ucsd.edu (Jung Ching Ho)
Newsgroups: rec.ham-radio
Subject: Re: Xmit Mods for IC-735
Message-ID: <16202@sdcc6.ucsd.edu>
Date: 31 Jan 91 05:26:04 GMT
References: <12450@lanl.gov> <1250346@hpnmdla.HP.COM>
Organization: University of California, San Diego
Lines: 6

Can you tell me where have you bought your 144MHz to 10 GHz
transverter. This sounds interesting that one can converter the HF
radio to a all band all mode receiver. Currently, I am using a
TS440AT. Thank a lot

JC, N6YEI

From -1848013198863229808
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc7e338786373d8d

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 22:53:03 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Guest operating
Keywords: just wondering
Message-ID: <1991Jan31.042200.5417@ux1.cso.uiuc.edu>
Date: 31 Jan 91 04:22:00 GMT
References: <43355@ut-emx.uucp>
Organization: University of Illinois at Urbana
Lines: 26

The Synton Amateur Radio Club (of the University of Illinois at Champaign-Urbana) holds a club station license with callsign W9YH.

The club COULD loan its equipment to its members or other amateurs for them to operate as part of their own station. The club policy is that this is not usually done. We do allow users of the club packet station to switch to their own call because that is necessary to pick up mail from a packet BBS. We also have a loaner HT but I don't recall a policy on what callsign to use with it. The policy on borrowing it is somewhat strict.

Primarily the club station is to be operated under the station license of W9YH. Since the station trustee (whose name is on the club station license) holds an Extra class operators license, we don't have any problem with allowing anyone to use the station when they have to use their call. Of course the control operators have to operate within the privileges their operators license permits.

This is considered not only a legal way to operate, but some of the membership even suggested that any other way was not legal (which I disputed but that is another issue). The club chooses to simply NOT loan its equipment to amateurs for operating purposes, with a small set of exceptions in special cases.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -3168739418386743502
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8f92e0d3f58097af,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 22:55:16 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.uucp (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes 1of3 1/25/91
Message-ID: <1991Jan31.025225.1343@n8emr.uucp>
Date: 31 Jan 91 02:52:25 GMT
Sender: gws@n8emr.uucp (Gary Sanders)

Organization: HAM BBS, 614-895-2553 (1200/2400/v.32/pep)
Lines: 171

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===============================================================
|         Relayed from packet radio via                 |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
===============================================================
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SB RTTYDX @ ALLBBS $RTDX0125A
RTTY DX Notes 1of3 1/25/91

RTTY DX Notes for week ending 25th January 1991
BID: $RTDX0125A
Part 1 of 3.

As this is my first bulletin, please let me thank Tom, OD5NG, who has assisted me from his bunker on scouting news and notes, in spite of the Scuds in the Middle East. My apologies to those who will not find the following as (DX1) standard level. The week seems to have gone very fast with the gulf situation, and the successfull Afghanistan dxpedition went in second order, nevertheless the risk of the participants. For the next two weeks, till (DX1) will be back from vacation, address all DX news to:

OD5NG @ VK2AGE.AUS.OC or
OD5NG @ TG9VT.GTM.NA or
OD5NG @ SK6CS.SWE.EU

Hope for more news and bandpass next week.

Our thanks this week go to I5ICY, I5IGQ, JA1ACB, TG9VT, OD5NG, VE3OCX, YU4XA, DL8AAM, W2JGR and the Tri-State DX Packetcluster Network. Thank you all for your information.

Bandpass

Friday 18:

A41JW	14076	at	1744Z	FEC
SU1ER	14076	at	1744ZK	ARQ
YA0RR	7031	at	1855Z	QSL

Saturday 19:

9X5LJ	14071	at	0240Z	ARQ/QSL
TU2BB	14076	at	0340Z	
YA0RR	21083	at	0620Z	REV.SE
BY4AA	28091	at	0756Z	QSL
FK8BK	14068	at	0800Z	
YA0RR	28083	at	1120Z	REV.SE
LY2BOK	21082	at	1222Z	
V73BN	14086	at	1341Z	

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CN8BI       14092  at  1844Z  REV.SE
6W6JX       14088  at  1856Z
J88BP       14084  at  2100Z


Continued in part 2.
/EX
SB RTTYDX @ ALLBBS $RTDX0125B
RTTY DX Notes 2of3  1/25/91

RTTY DX Notes for week ending 25th January 1991
BID: $RTDX0125B
Part 2 of 3.


Sunday 20:
YA0RR       14082  at  0416Z
UI9ABV      14084  at  0534Z
UF6FJ       14094  at  0740Z
YA0RR       28082  at  0930Z  REV.SE
FP5HL       21089  at  1332Z
HH2PK       28096  at  1357Z  QSL
PJ7RR       28096  at  1401Z
Z21GU       28089  at  1818Z
YA0RR        7033  at  1830Z
ZP6XDW      21074  at  1847Z  ARQ
PY0FF       21086  at  1958Z  QSL

Monday 21:
EA6PZ       14086  at  1525Z
9H1ED       21091  at  1545Z
HV3SJ       21088  at  1635Z
TI8ZB       21084  at  1720Z
3B9FR       14088  at  1745Z

Tuesday 22:
UI8FM       14082  at  1147Z
LY1BXH      14084  at  1334Z
UL7BJ       14095  at  1405Z
9X5LJ       14071  at  1822Z  ARQ
SU1ER       14071  at  1830Z  ARQ
3B9FR       14087  at  1836Z

Wednesday 23:
UL7BJ       14083  at  0755Z
UC2OF       14083  at  0851Z
RO4OR       14091  at  1054Z
TF3EJ       14070  at  1336Z  FEC
UV3DR       14089  at  1355Z
FR4FR       21072  at  1645Z  FEC
SU1ER       14077  at  1703Z  ARQ
KL7FG       14083  at  1743Z
9M2RI       14079  at  1836Z  ARQ
```

```
9X5LJ       14072  at  2120Z  ARQ

Thursday 24:
RA2FB       14086  at  1050Z
UG1700GWG   14090  at  1120Z  QSL/Note
RL7RBU      21087  at  1342Z
UL7BJ       14084  at  1500Z
FR2WK       21088  at  1655Z
```

Continued in part 3.
/EX
SB RTTYDX @ ALLBBS $RTDX0125C
RTTY DX Notes 3of3 1/25/91

RTTY DX Notes for week ending 25th January 1991
BID: $RTDX0125C
Part 3 of 3.

QSL Information:

BY4AA, Dieter from Shanghai, asks card via DJ7BU.

HH2PK QSL is via the QSL mgr N1DRS.

YA0RR QSL is via UT5RP, Dmitry S. Slyusarenko, Box 300 Odessa 270000, Ukraine USSR, only for RTTY QSOS. Do not send CW or SSB cards to Dima.

9X5LJ QSL route is via Belgian Embassy, BP 01, Kigali, Rwanda.

New QSL address for 3DA0DX is Sam Ford, ZS6BRZ, Box 691, Gallo Manor, Sandon 2052, R.S.A.

PY0FF wants cards via W9VQ.

UG1700GWG QSL goes via home call UG7GWG.

Notes of Interest:

YA0RR, Romeo and Valery, have been very active in their last three days of operation, January 18th, 19th and 20th. They left Kabul on the 21st.

7Q7LA has received RTTY gear and is now ready to start.

Also TN1AT, another exotic one from Africa is QRV, but the gear is for commercial use and his activity will be sporadic.

UG1700 is a new special prefix to celebrate the 1700 years of Christianity in Armenia. That country was the first in the world

```
which had Christianity as a state religion in 301 AD.  From 1991 up to
2001 they will use this special prefix for one month each year in
January.

GL DE DX2 (I5FLN) AT OD5NG.


This bulletin was edited for packet from notes written by I5FLN, and
relayed by Tad, KT7H @ N7ENT.#WWA.WA.USA.NA.
/EX
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)


From 8737604217242413168
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,22b326962d6709c2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 23:03:03 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!att!linac!uwm.edu!caen!
uakari.primate.wisc.edu!samsung!rex!ukma!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: sex and cw
Message-ID: <1991Jan31.010952.20076@NCoast.ORG>
Date: 31 Jan 91 01:09:52 GMT
References: <1991Jan25.140515.17568@lonex.radc.af.mil> <7880428@hpfcdc.HP.COM>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Public Access Un*x (ncoast)
Lines: 22

As quoted from <7880428@hpfcdc.HP.COM> by perry@hpfcdc.HP.COM (Perry Scott):
+---------------
| >Inevitably the lure of sending effortless code with a beautiful chrome Bencher
| >key will seize the poor sucker by the throat and a new addict to the outmoded
| >mode will be born....B-) B-) B-)
| >
| >  AA6PN
|
| Beware the Dark Side of the Force, Luke.
|
| KF0CA
+---------------

Nah, it's only the Dark Side if said convert suddenly decides that only those
who work CW at 20wpm are real hams.

KB8JRR (hopefully /AA by March)
--
```

```
Me: Brandon S. Allbery               VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR               AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY


From 7978432629944090532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,213adfcec3c2dbeb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 23:03:54 PST
Path: gmdzi!unido!mcsun!uunet!ctbilbo!pete
From: pete@ctbilbo.UUCP (Pete Ritter)
Newsgroups: rec.ham-radio
Subject: Re: Numbers lady on 30 meters
Message-ID: <156@ctbilbo.UUCP>
Date: 30 Jan 91 23:47:35 GMT
References: <1133.279D6A66@w8grt.fidonet.org> <98034@aerospace.AERO.ORG>
Reply-To: uunet!ctbilbo!pete
Followup-To: rec.ham-radio
Lines: 18
In-reply-to: obrien@aero.aero.org's message of 23 Jan 91 21:25:24 GMT


>People have been wondering about these various "numbers stations" for
>years.  There are enough DF freaks out there that I'd have thought
>they'd track down a few of the stronger of these regular stations,
>at least.  Just five or six guys around the country laying tracks
>down on a map should give a rough idea what's going on.

>How come we never hear about that?
 ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

Just please don't post this to alt.conspiracy!  The thread will
persist for months!  Worse than Radio Shack Bashing! 8{)
cpr
--
********************************************************************************
* Pete Ritter    uunet!ctbilbo!pete          |    Yu no can kaikai buai na    *
* Communications Technology Corp. Dallas, Tx |    spet long makit.            *
********************************************************************************


From -6282815108829876O3
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f525792c1117e089,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,f525792c1117e089,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-30 23:47:31 PST
Path: gmdzi!unido!mcsun!uunet!spool.mu.edu!sdd.hp.com!elroy.jpl.nasa.gov!decwrl!
pa.dec.com!shodha.enet.dec.com!levers.enet.dec.com!b_egan
From: b_egan@levers.enet.dec.com (Bob Egan)
```

Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: RTTY SWL Question (9Mhz band)
Message-ID: <2422@shodha.enet.dec.com>
Date: 31 Jan 91 03:39:18 GMT
Sender: news@shodha.enet.dec.com
Followup-To: rec.radio.shortwave
Organization: Digital Equipment Corporation
Lines: 30
Xref: gmdzi rec.radio.shortwave:4005 rec.ham-radio:20046
Posted: Wed Jan 30 21:39:18 1991

I spent a *great* deal of time trying to copy some RTTY 1/29/91 in the 8 and 9 Mhz band. I was using a PK232 et al...

I had a tuning scope to help get on center.

The Problem...I got garbage almost everyway...allot of the stuff looked like 850 shift, the mode of which I still do not know.

I did find the wideband filter to have an obnoxious step in its response, so it may have been (the signal) been acutally wider or faster(???) that the 232 can *really* handle.

In the SIGNAL mode the unit quite often reported 75 BAUD, unknown.

It sounded more like 5 level code then ASCII. although I tried both modes..also played w/ inverted tones..

The system works fine, as I checked it out in the ham bands (20MHz).

Anyone have an idea of the make-up of the stuff in this area, or other interesting area ?

Thanks N1BAQ

Bob Egan b_egan@levers.enet.dec.com
          --or-- ...!decwrl!levers.enet.dec.com!b_egan
          --or-- b_egan%levers.dec@decwrl.dec.com

From -4242006570977602771
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b915380cc0b0177,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 00:09:19 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!usc!apple!agate!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: MAJOR SOLAR FLARE ALERT - HIGH IMPACT EXPECTED

Message-ID: <910131003349.2a800132@HG.ULeth.CA>
Date: 31 Jan 91 07:33:49 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 91

-- MAJOR SOLAR FLARE ALERT --

JANUARY 31, 1991

** MAJOR IMPACT EXPECTED **

Flare Event Summary

MAJOR ENERGETIC EVENT SUMMARY

Two significant X-class flares exploded off of the sun over the past 24 hours. The first flare (and least-significant) occurred at 09:04 UT on 30 January. The flare was rated a class X1.0/2B flare and was not associated with any sweep frequency events or other significant radio bursts. It was produced by Region 6466. The flare location was S08W34. The duration of the event was 1 hour and 27 minutes. No significant impacts are expected from this flare.

HOWEVER, another major X-class energetic flare erupted early in this UT day. The flare peaked at 02:30 UT on 31 January and has been classed an X1.3/2N Tenflare. This flare was associated with significant Type II and Type IV sweeps (rated at an intensity level of 2)! The duration of this flare was 103 minutes (or 1 hour and 43 minutes). It was associated with a 600 s.f.u. Tenflare. The flare originated from Region 6469 at a location of S11W27. This region has grown explosively over the past 24 hours.

A PROTON WARNING HAS BEEN ISSUED BY THE SPACE ENVIRONMENT SERVICES CENTER! Protons are now arriving (as of 06:30 UT on 31 January). Models are predicting a proton event with flux levels as high as 200 p.f.u. at greater than 10 MeV! This is expected to be a SIGNIFICANT proton flare!

A POLAR CAP ABSORPTION WARNING has been issued for high latitude regions. The expected influx of energetic protons could produce a moderate intensity PCA over polar and high latitude regions. An associated radio blackout could occur over the polar and high latitude regions if the PCA becomes intense enough.

A MAJOR GEOMAGNETIC STORM is expected to occur on 01 February in response to this latest proton flare. An SSC is expected between 08:00 UT on 01 February and 20:00 UT on 01 February, followed by the main phase of the storm several hours later. This storm could last between 18 and 36 hours. The probability for a major geomagnetic storm is very high (80%). Global geomagnetic storm intensities are expected to push the magnetic

A-index to levels between 50 and 100; localized activity could easily surpass this rating.

A MAJOR AURORAL STORM is expected to occur when the geomagnetic storm begins. An auroral storm alert has been issued for all middle AND LOW LATITUDES! If activity reaches levels currently anticipated, widespread auroral activity will become visible over middle and low latitudes (as well as high latitudes).

MAJOR HF RADIO PROPAGATION DEGRADATION is expected to occur with the onset of the main phase of the geomagnetic and auroral storming. Radio blackout warnings have been posted for high latitudes and middle latitudes. All latitudes will experience major disruptions in HF propagation conditions.

BISTATIC AURORAL BACKSCATTER COMMUNICATIONS ALERTS are being issued to high and middle latitudes, with increased possibilities for successful (albeit quite disturbed signal qualities) auroral communications over low latitudes.

A POTENTIAL ELECTRICAL ANOMALY WARNING is being issued to all organizations and industries which could be affected by significant geomagnetic perturbations. A risk for geomagnetically induced electrical currents into long conductive objects exists during the main phase of the expected geomagnetic storm, provided the intensity of the predicted storm reaches or surpasses levels anticipated. Potentially affected industries include: Electrical power distribution networks, continental or transatlantic telecommunications networks, pipeline networks, railway systems, etc. Strong magnetic perturbations may develope with intensities capable of inducing currents into relatively long, ground-based conductive objects. All organizations and industries which could be affected are warned to be on the alert for potential anomalies. Anomalies could occur anytime after the main phase begins (which is expected between 08:00 UT on 01 February and about 04:00 UT on 02 February).

Further major flaring from the potent regions currently on the solar disk is likely over the next 3 to 7 days. K-indices could reach levels between 7 and 9 during the main phase of the geomagnetic storm (note that a K-index of 9 is the top of the scale for measuring magnetic perturbations).

For revised prediction charts, consult the Potential Major Geomagnetic Storm Warning which has been posted in conjunction with this alert.

** End of Report **

From -4234563150527949232
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 109f45,6dc8c9170c6288c6,start
X-Google-Attributes: gid109f45,public
X-Google-Thread: 10c9e3,6dc8c9170c6288c6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6dc8c9170c6288c6,start

X-Google-Attributes: gid114aac,public
X-Google-Thread: 109c0d,6dc8c9170c6288c6,start
X-Google-Attributes: gid109c0d,public
X-Google-ArrivalTime: 1991-01-31 00:47:55 PST
Path: gmdzi!unido!mcsun!uunet!wshb!cee
From: cee@wshb.csms.com (CSMS Sr Station Mgr)
Newsgroups: rec.radio.shortwave,rec.ham-radio,talk.politics.mideast,misc.forsale
Subject: SW Radios for overseas troops
Keywords: donations to units overseas
Message-ID: <936@wshb.csms.com>
Date: 30 Jan 91 19:34:44 GMT
Followup-To: rec.radio.shortwave
Organization: WSHB, Christian Science Mon. Synd., Cypress Creek, SC
Lines: 37
Xref: gmdzi rec.radio.shortwave:4008 rec.ham-radio:20048
talk.politics.mideast:4325 misc.forsale:4419

Hello again, Netlanders, Shortwave enthusiasts, and Interested parties

ANOTHER PUBLIC SERVICE ANNOUNCEMENT FROM THE WORLD SERVICE OF THE CHRISTIAN SCIENCE MONITOR:

"It was announced today, January 30, 1991, that The World Service of The Christian Science Monitor, in response to many requests concerning the offer of Shortwave radios at cost to servicemen and servicewomen overseas, will now accept ORDERS or DONATIONS from firms or individuals for the purchase of SW receivers, to be sent to Armed Forces Morale Officers overseas. The Morale Officers will distribute these radios to day rooms and orderly rooms of the many units currently stationed overseas, especially in the Middle East.

"For those of you who wish to make a contribution towards a radio for our Armed Forces, you may do this directly by mailing your contribution to:

The Christian Science Publishing Society
c/o General Marketing P410
One Norway Street
Boston, MA 02115

or you may call toll-free 1-(800)-448-2466."

As indicated in an earlier Announcement, Sangean ATS 803-A and MS103-A radios are being offered at cost ($123.00 and $65.00, respectively) to be shipped to any APO or FPO address, with no additional shipping or handling fees. This offer will expire on May 1, 1991.

Please feel free to e-mail me or post any comments, and I will try to respond promptly.

--
****
C. Ed Evans, Senior Station Manager, CSMS * cee@wshb.csms.com (803)625-4880
WSHB, Cypress Creek, SC * WCSN, Scotts Corner, ME * KHBI, Saipan, Mariana I.

```
******************************************************************************


From 4202498408862982217
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4bb325b624310fd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 01:09:23 PST
Path: gmdzi!unido!mcsun!uunet!spool.mu.edu!sdd.hp.com!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: Call signs and incentives
Message-ID: <58130019@hpcupt1.cup.hp.com>
Date: 30 Jan 91 23:35:47 GMT
References: <1301@cameron.egr.duke.edu>
Organization: Hewlett Packard, Cupertino
Lines: 12
Posted: Wed Jan 30 17:35:47 1991




>jsm1@dukee.egr.duke.edu (Jonathan S. McCalmont) writes

>To eliminate confusion, call signs should always reflect license class.

To which I say why? I like my call of WA6SDM, and I do not like the
AA6xx or I guess by now AB6xx calls.  If you are confused by hearing
my call in the Extra class bands too bad.  I've had that call for a
number of years and I expect to keep it for a number more.
Jim (causing confusion), WA6SDM
holly@hpcupt1.cup.hp.com


From 5433554935576086601
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcac4daa4d00f5fa
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6c37ee251c4a908
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-31 01:24:51 PST
Path: gmdzi!unido!mcsun!uunet!spool.mu.edu!sdd.hp.com!wuarchive!emory!ogicse!
intelhf!agora!firebug
From: firebug@agora.rain.com (Sam Guidice)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Medium Wave "clear channels" (was: CNN on shortwave)
Message-ID: <1991Jan31.044319.19722@agora.rain.com>
Date: 31 Jan 91 04:43:19 GMT
References: <1991Jan21.072332.25223@ux1.cso.uiuc.edu> <2003@ke4zv.UUCP>
<1991Jan25.233943.18140@informix.com>
Organization: Open Communications Forum
Lines: 15
Xref: gmdzi rec.ham-radio:20050 rec.radio.shortwave:4010
Posted: Wed Jan 30 22:43:19 1991
```

```
In article <1991Jan25.233943.18140@informix.com> randall@informix.com (Randall
Rhea) writes:
>In article <2003@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
>>
>>............ Also, the intent of the 50,000 watt clear channel rules in
>>the AM band is to allow regional broadcast coverage already. At least for
>>the eastern two thirds of the US, WHO in Des Moine covers this nicely.
>>Their slogan is "From border to border and coast to coast and then some".
>>Other wide coverage stations are WLS Chicago, WOWO Ft. Wayne, WWL in New
>>Orleans, WBZ Boston, WLW Cincinati, and good old WSB in Atlanta. There
>>are several more, but those are the ones I listen to on occasion.
>>
>
>Add KFI 640 Los Angeles to that list.
>
Add KEX 1190 in Portland, Oregon to the list also.


From -7107415854393102428
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,164c0a10aed2889e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 02:04:58 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!
caen!sdd.hp.com!hplabs!hpda!hpcuhb!hpsqf!hpqmola!hpqmole!dstock
From: dstock@hpqmole.sqf.hp.com (David Stockton)
Newsgroups: rec.ham-radio
Subject: Re: Re: Question about Vacuum Tubes.
Message-ID: <410020@hpqmole.sqf.hp.com>
Date: 31 Jan 91 10:04:58 GMT
References: <13652@will.ntt.JP>
Organization: HP,Queensferry Microwave UK
Lines: 8


   I seem to recall that there have been deaths due to mis-handling
Beryllium oxide ceramic insulation. This is independant of HT voltage,
many modern RF power transistors also pose this threat. Equipment
containing BeO ( not Danish record players :-) ) constitutes a threat
even when unpowered.

  73   GM4ZNX


From -5529721632251045167
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc7e338786373d8d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 02:12:27 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!lavaca.uh.edu!
menudo.uh.edu!lobster!urchin!f8325.n106.z1.fidonet.org!Christopher.Boone
From: Christopher.Boone@f8325.n106.z1.fidonet.org (Christopher Boone)
```

Newsgroups: rec.ham-radio
Subject: Re: Guest operating
Message-ID: <6674.27A7ABDA@urchin.fidonet.org>
Date: 31 Jan 91 01:12:43 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8325
Lines: 41

** Quoting Jim Reisert to All **
 >on CW, of
 >>course). Is there any way in which I can get credit for a
 >QSO with ZA?
 >
 >Hmmm - interesting question. I know that some of the EME crowd
 >(Earth-Moon-Earth, or Moonbounce) used to do this - go on expeditions
 >for
 >their needed states, making sure the home station worked themselves.
 > So I
 >guess there is a precedent, right or wrong.
 >
 >There was some flak a while back when they re-wrote the part
 >97 rules. A
 >clarification came out that said a host op could 'lend' his
 >station to a
 >guest op, such that the guest op's callsign could be used for
 >a weekend
 >contest ("Derek, I'll buy your station for $1, but I'll sell
 >it back to you
 >Monday a.m. at 0000Z). This, however, is not the same case
 >as above. Any
 >home lawyers out there?
 >
 >- Jim AD1C
** End of Quote **
The license is a STATION license, not yours! You have an OPERATORS license!
Therefore a CONTROL operator you designate (of appropiate class) may operate
your STATION using the STATION's callsign at any time you allow them...and you
can be at another STATION using that callsign! (In fact you could actually and
legally swap STATIONS (IE you go to his house and he comes to yours) and work
each other ....using the STATION's callsign...not the one you normally use.)
This even has a chance of a callsign being heardalking to itself! IE; A
control station mobile on 220.5 or above (that USED to have sign /AUX but
doesnt have to anymore) talking to the home station its remotely controlling.
I do this all the time on 220 using my ACC Shackmater at home (WB5ITT remote
base or legally its WB5ITT) and me mobile controlling the simpatch or HF rig
from the control rig in my car (WAS WB5ITT/AUX...Now just WB5ITT)
Neat huh?
73
WB5ITT

From 1647086451409305341
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,9f90dc4e412e1aa1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5d40,9f90dc4e412e1aa1
X-Google-Attributes: gidf5d40,public
X-Google-Thread: 114aac,9f90dc4e412e1aa1
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10f3ae,9f90dc4e412e1aa1
X-Google-Attributes: gid10f3ae,public
X-Google-Thread: fb9af,9f90dc4e412e1aa1
X-Google-Attributes: gidfb9af,public
X-Google-ArrivalTime: 1991-01-31 02:25:47 PST
Path: gmdzi!unido!mcsun!uunet!edi386!eddjp
From: eddjp@edi386.UUCP (Dewey Paciaffi)
Newsgroups: alt.conspiracy,alt.folklore.urban,rec.radio.shortwave,rec.ham-radio,talk.rumors
Subject: Re: Radio Signals from Space?!?
Message-ID: <145@edi386.UUCP>
Date: 30 Jan 91 22:37:44 GMT
References: <1290@pdxgate.UUCP> <1916@cluster.cs.su.oz.au> <2262@titan.tsd.arlut.utexas.edu>
Reply-To: eddjp@edi386.UUCP (Dewey Paciaffi)
Organization: J.M. Huber Corp., Edison,NJ
Lines: 10
Xref: gmdzi alt.conspiracy:2812 alt.folklore.urban:7440 rec.radio.shortwave:4011 rec.ham-radio:20052 talk.rumors:162

In article <2262@titan.tsd.arlut.utexas.edu>
moseley@titan.titan.tsd.arlut.utexas.edu (Austin Moseley) writes:

>
>   But, how do we explain the keebler elves?

Behind the Keebler factory here in New Jersey, is a large, round stand of trees, in an otherwise empty field. It is here that the Keebler Elves ply their trade.

--
Dewey Paciaffi   ...!uunet!edi386!eddjp

From 5258303352504848782
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fbeca38b8c4b692e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 02:54:06 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!apple!agate!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: SOLAR TERRESTRIAL FORECAST AND REVIEW (predictions may be outdated)
Message-ID: <910131015037.2a800151@HG.ULeth.CA>
Date: 31 Jan 91 08:50:37 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet

Lines: 487

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Please Note:

The following report has been delayed in order to analyze the data being collected so far regarding the enormous burst of solar activity which has occurred recently. This report has been updated to be valid as of 30 January.

Also, a small addition has been made to the reports. The HF propagation prediction charts, geomagnetic prediction chart, solar activity prediction chart, and the auroral activity prediction charts now have a confidence rating associated with them. All uncertainties and possible inaccuracies in the predictions are calculated to determine the approximate confidence of the given charts. This confidence level is stated as a percentage. Low percentages represent low confidence levels and therefore high uncertainties and possible inaccuracies in the prediction charts. High percentages represent high confidence levels and low amounts of uncertainty and possible inaccuracies in the prediction charts. So the higher the confidence level, the more accurate the predictions should be. As can be seen, the confidence levels for many of the charts in this report are quite low. This is in response to the uncertainty of the intensity and occurrences of major flaring.

/\

--- SOLAR TERRESTRIAL FORECAST AND REVIEW ---

January 30 to February 05, 1991

Report Based In-Part from Data Obtained from the
Space Environment Services Center
Boulder Colorado

SOLAR TERRESTRIAL REVIEW FOR 22 JANUARY TO 29 JANUARY.

A major burst of solar activity has occurred over the past week. The solar flux soared from a level of 221 on 22 January to 367 on 30 January! This increase matches the solar flux achieved on 10 November, 1979 (the current flux level is the highest so far recorded for this solar cycle).

Solar activity was moderate to high this week. A very powerful class X10.8/SF long-duration Tenflare erupted from Region 6471 as it came into view on the eastern limb. This flare was associated with strong Type II and IV sweeps, and strong discrete radio bursts. The peak burst at 245 MHz was 57,000 s.f.u. (solar flux units), while the 10 cm wavelengths experienced a peak burst of 3,500 s.f.u.. The flare was a long-duration event, lasting 3 hours and 28 minutes. The location of the flare was S16E78, near the eastern limb.

On 27 January, yet another powerful X-class flare erupted from Region

6471. This flare was rated a class X1.9/1B Tenflare which was associated with strong discrete radio bursts and a Type IV sweep. The flare occurred at a location of S14E59 and reached a peak intensity at 15:50 UT on 27 January. The duration of this flare was 1 hour and 25 minutes. A weak proton enhancement was observed after 04:00 UT on 28 January. A polar cap disturbance has also been detected. The disturbance commenced near 18:00 UT on 28 January, in response to the proton enhancement.

Regions which have been active are Regions 6462, 6466, 6469, 6471 and 6476 (a significant increase over the past months). Region 6471 is presently the most formidable region visible. It has a strong magnetic Delta configuration and an extensive penumbral region. There are 55 spots visible in this region alone. Magnetic gradients and fields are high across the inversion line in the trailer spot complex. Further major flaring from this region is very likely. Region 6471 is also the largest region on the disk, covering an area of near 6,690 million square kilometers, an increase of 1,920 million square kilometers in only the past 24 hours (a remarkably rapid increase in area). The size of this region, combined with the complexity of the system and the associated magnetic gradients make this region a prime candidate for potential energetic proton flaring. Regions 6462 and 6466 (which did contain high gradients and Delta configurations) have decayed and relaxed somewhat. But they are still capable of producing major energetic flares.

Region 6476 has shown some very bright plage recently, which is being held partly responsible for the increased solar flux. The background x-ray flux as of 30 January was at a level of C2.8 (due also in part to the rapid growth of several regions, including Region 6471). Enhanced x-ray background levels are anticipated for the next week.

Radio propagation conditions have been very good recently, excluding the occassional shortwave fades which have occurred due to the minor and major flaring over the sunlit hemisphere. The enhanced ionizing solar radiation has provided openings all the way up to 6 meters. The relatively low levels of geomagnetic and auroral activity have provided very good opportunities for DX on the HF bands.

SHORT TERM SOLAR TERRESTRIAL FORECAST

Solar activity is expected to remain moderate to high throughout the remainder of the week. The potential for proton flaring is high. M-class flare probabilities are at 95%. X-class flare potentials are steady near 40%. There is also a significantly high 45% probability for proton flaring over the next three days at least. The Space Environment Services Center is continuing a condition YELLOW alert status for potential PCA activity. This means that a high probability exists that a polar cap absorption event could occur on the heels of an energetic proton flare. Hence, polar regions are advised to remain on the alert for potential PCA related activity (ie. radio blackouts, neutron or riometer activity, etc). Region 6471 will be crossing the central meridian by 01 February. It is now in a more sensitive position where plasma ejection trajectories could have major impacts with the earth. The risk for proton and PCA activity will peak as it edges into the western hemisphere.

The solar flux is expected to remain high for the next two days, afterwhich it should begin declining. The sunspot number hit 418 on 28 January, and is now holding at a value of 378 on 30 January. Models are currently examining the situation to determine the potential significance of this recent burst of activity for the longer-term. Conclusions will be posted in a few weeks.

Geomagnetic activity could easily reach minor to major storm levels over the coming week. It is heavily dependent on how energetic solar activity becomes. Hence, the accuracy of any prediction is likely to be low due to the unpredictability of the time, duration and intensity of any occurring energetic events. Enhanced activity is likely between about 03 to 06 February due to possible enhanced corpuscular emissions from Region 6471. There is also a chance for slightly enhanced activity near 02 February due to recurrent coronal activity. But by far, the greatest risk for significant geophysical activity exists in the potential for strong major flaring in the active regions currently visible (particularly Region 6471).

Auroral activity should remain at low intensity levels until about 03 or 04 February, when increased activity could become visible. Again, this is heavily dependent on the frequency and intensity of solar flaring. Moderate activity should be visible over high latitudes, while low latitudes should witness mostly low activity. Please note, however, that a significant risk exists for major auroral storming if strong solar flaring occurs within the next five to seven days, particularly from Region 6471.

HF propagation conditions should remain well above normal until near 03/04 February (or possibly even later), barring any significant major solar flaring. There is a high risk for fairly frequent short-wave fades and SID's due to the numerous minor M-class flares and subflares which are occurring over much of the solar disk. These effects will remain confined, of course, to the sunlit hemisphere.

VHF propagation conditions will be normal to above normal this week, with higher potentials for DX, particularly on the lower VHF bands. If strong major flaring occurs, watch for possibly wide-spread bistatic auroral backscatter communications on the VHF bands during periods of possibly strong auroral and geomagnetic activity. Watch for possible predictions included in any future major flare alerts or magnetic storm warnings.

SUMMARY OF ALL ACTIVE REGIONS VISIBLE ON THE SOLAR DISK AS OF 31 JANUARY

Region #	Location	LO	Area	Class	LL	Spots	Magnetic Type
6462	S18W45	203	3330	FKI	19	038	BETA
6464	N25W64	222	0000	AXX	00	001	ALPHA
6465	N09W56	214	0120	BXO	11	011	BETA
6466	S09W38	196	1680	DKI	09	029	BETA-DELTA
6469	S14W25	183	2160	EKI	13	057	BETA-GAMMA
6471	S12E15	143	6690	EKC	14	055	BETA-DELTA

6472	N12W31	189	0390	CAO	08	015	BETA
6473	S15E30	128	0300	CSO	06	003	BETA
6474	S11W17	175	0060	BXO	04	012	BETA
6475	S16E05	153	0060	CRO	05	003	BETA
6476	N20E42	116	1200	FKO	18	017	BETA
6477	S17E37	121	0300	HSX	02	001	ALPHA
6479	N05E49	109	0180	CAO	07	006	BETA

NOTES: Area is in million square kilometers. Angular extent (LL) and solar longitude (LO) are in degree's. For more information regarding the terminology used above, request the Glossary of Solar Terrestrial Terms from: "std_oler@hg.uleth.ca".

H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AS OF 00:00 UT ON 31 JANUARY.

REGION	LOCATION	LO	COMMENTS (IF ANY)
6463	S07W56	214	
6468	S21W86	244	

ACTIVE REGIONS DUE TO RETURN BETWEEN 31 JANUARY AND 02 FEBRUARY

Region	Latitude	Longitude (Helio.)
6448	S34	066

NOTES:

For definitions regarding the above, request the "Glossary of Solar Terrestrial Terms" from "std_oler@hg.uleth.ca".

GRAPHICAL ANALYSIS OF RECENT PLANETARY (GLOBAL) GEOMAGNETIC ACTIVITY

```
                  Cumulative Geomagnetic Activity History
        Peak Planetary Geomagnetic Activity during the past 96 hours
     ____________________________________________________________________
    |  EXTREMELY SEVERE |        |        |        |        | VERY HIGH! |
    | VERY SEVERE STORM |        |        |        |        | HIGH       |
    |      SEVERE STORM |        |        |        |        | MODERATE   |
    |       MAJOR STORM |        |        |        |        | LOW - MOD. |
    |       MINOR STORM |        |        |        |        | LOW        |
    |       VERY ACTIVE |        |        |        |        | NONE       |
    |            ACTIVE |        |        |        |        | NONE       |
    |         UNSETTLED |********|  * ****|   ***  |   *** *| NONE       |
    |             QUIET |********|********|********|********| NONE       |
    |        VERY QUIET |********|********|********|********| NONE       |
    |-------------------|--------|--------|--------|--------|------------|
    | Geomagnetic Field |  Sun.  |  Mon.  |  Tue.  |  Wed.  |  Anomaly   |
    |    Conditions     |     Given in 3-hour intervals     | Intensity  |
    |____________________________________________________________________|
```

NOTES:

The data above represents planetary geomagnetic activity. Data from many magnetic observatories around the world are used in constructing the above chart. The first graph line for each day represents geomagnetic activity which occurred between 00 UT and 03 UT. The second graph line represents activity which occurred between 03 UT and 06 UT, etc. For information regarding the interpretation and/or use of these charts, send a request for the document "Understanding Solar Terrestrial Reports" to: std_oler@hg.uleth.ca.

PLANETARY 10-DAY GEOMAGNETIC ACTIVITY OUTLOOK (27 JANUARY - 05 FEBRUARY)

```
    ________________________________________________________________________
   |  EXTREMELY SEVERE |   |   |   |   |   |   |   |   |   |   | VERY HIGH! |
   | VERY SEVERE STORM |   |   |   |   |   |   |   |   |   |   | HIGH       |
   |      SEVERE STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MAJOR STORM |   |   |   |   |   |   |   |   |   |   | LOW - MOD. |
   |       MINOR STORM |   |   |   |   |   |   |   |   |   |   | LOW        |
   |       VERY ACTIVE |   |   |   |   |   |   |   |   |   |   | NONE       |
   |            ACTIVE |   |   |   |   |   |** | * | * |** |** | NONE       |
   |         UNSETTLED |   |   |   | **|***|***|***|***|***|***| NONE       |
   |             QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |        VERY QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |-------------------|---|---|---|---|---|---|---|---|---|---|------------|
   | Geomagnetic Field |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|  Anomaly   |
   |    Conditions     |       Given in 8-hour intervals       | Intensity  |
   |________________________________________________________________________|
```

CONFIDENCE LEVEL: 35%

NOTES:

Predicted geomagnetic activity is based heavily on recurrent phenomena. Transient energetic solar events cannot be predicted reliably over periods in excess of several days. Hence, there may be some deviations from the predictions due to the unpredictable transient solar component.

GRAPHICAL ANALYSIS OF SOLAR ACTIVITY OVER THE PAST 60 DAYS

```
                   Cumulative Graphical Analysis of
                           Solar Activity
    ____________________________________________________________
377|                                                            | V.HIGH
363|......................1979 Record Level....................F| V.HIGH
348|                                                          *F| V.HIGH
334|                                                          *F| V.HIGH
320|.............Current Solar Cycle 22 Record Level.........**F| V.HIGH
306|                                                         **F| V.HIGH
291|                                                        F**F| HIGH
277|                                                       *F**F| HIGH
263|                                F = Major Flare(s)    F*F**F| HIGH
249|                                                      F*F**F| MOD.
```

```
234|        *FFF                                         *F*F**F| MOD.
220|     ****FFF*                           *          ***F*F**F| MOD.
206|    *****FFF*    *                    *****   F    ***F*F**F| MOD.
192|  *F*****FFF*** *** *    F****       ******* *F*******F*F**F| MOD.
177| **F*****FFF*********FFF*F*******  ***********F*******F*F**F| LOW
163|***F*****FFF*********FFF*F********************F*******F*F**F| LOW
    ------------------------------------------------------------
               Cumulative 60 day Solar Activity Record
                   Start Date:  December 1, 1990
```

NOTES:

Left-hand column digits represent the 10.7 cm solar radio flux obtained from Ottawa. The right-hand column describes the relative solar activity for that period based on the average number of major and minor flares that can be expected for related solar flux values. Plot lines labeled with the letter "F" represent days where at least one major flare occurred (ie. class M5 or greater flare).

GRAPHICAL 20-DAY SOLAR ACTIVITY PREDICTION

```
                           Solar Activity
 _________________________________________________________________
| 370 |**|**|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 355 |  |  |**|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 340 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 325 |  |  |  |**|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 310 |  |  |  |  |**|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 295 |  |  |  |  |  |**|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 280 |  |  |  |  |  |  |**|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 265 |  |  |  |  |  |  |  |**|  |  |  |  |  |  |  |  |  |  |  |  |
| 250 |  |  |  |  |  |  |  |  |**|  |  |  |  |  |  |  |  |  |  |  |
| 235 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 220 |  |  |  |  |  |  |  |  |  |**|  |  |  |  |  |  |  |  |  |**|
| 205 |  |  |  |  |  |  |  |  |  |  |**|**|**|  |  |  |**|**|**|  |
| 190 |  |  |  |  |  |  |  |  |  |  |  |  |  |**|**|**|  |  |  |  |
|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|Solar|30|31|01|02|03|04|05|06|07|08|09|10|11|12|13|14|15|16|17|18|
|Flux | Jan |                     February                        |
 -----------------------------------------------------------------

                      CONFIDENCE LEVEL: 60%
```

HF RADIO SIGNAL PROPAGATION PREDICTIONS (27 JANUARY - 05 FEBRUARY)

```
                              High Latitude Paths
            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |   |   |   |   |   |   |   |   |   |   |
CONFIDENCE |           GOOD |   |   |   |   |   |   |   |   |   |   |
  LEVEL    |           FAIR |***|*  |*  |*  |   |*  |   |   |   |   |
 -------   |           POOR |   | **| **| **|***| **|***|***|***|***|
   35%     |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------

                             Middle Latitude Paths

            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |***|* *|* *|* *|  *|  *|   |   |   |   |
CONFIDENCE |           GOOD |   | * | * | * |** |** |***|***|* *|* *|
  LEVEL    |           FAIR |   |   |   |   |   |   |   |   | * | * |
 -------   |           POOR |   |   |   |   |   |   |   |   |   |   |
   40%     |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------

                                Low Latitude Paths

            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |***|***|***|***|  *|  *|  *|  *|   |   |
CONFIDENCE |           GOOD |   |   |   |   |** |** |** |** |***|***|
  LEVEL    |           FAIR |   |   |   |   |   |   |   |   |   |   |
 -------   |           POOR |   |   |   |   |   |   |   |   |   |   |
   50%     |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------

NOTES:
       High latitudes >= 55       degree's north latitude
     Middle latitudes >= 40 < 55  degree's north latitude
        Low latitudes  < 40       degree's north latitude



POTENTIAL VHF DX PROPAGATION PREDICTIONS (27 JANUARY - 05 FEBRUARY)
   INCLUDES SID AND AURORAL BACKSCATTER ENHANCEMENT PREDICTIONS

                   HIGH LATITUDES

 __________________________________________________      ___________________
|  SIGNAL   | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   | * | * |   |   |   |   |   | 20%|*|*|*|*|*|*|*|*|*|*|
|    NORMAL|***|***|***|* *|* *|***|***|***|***|***| 40%|*|*|*|*|*|*|*|*|*|*|
|BELOW NORM|   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% |   |   |   |   |   |   |   |   |   |   | 40%| | | | | |*|*| |*| |
|      20% | * | * | * | * |** |** |** |** |** |** | 20%| | | | |*|*|*|*|*|*|
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|


                  MIDDLE LATITUDES

 __________________________________________________     ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   | * | **| **| **| * | * | * |   |   | 20%|*|*|*|*|*|*|*|*|*|*|
|    NORMAL|***|* *|*  |*  |*  |* *|* *|* *|***|***| 40%|*|*|*|*|*|*|*|*|*|*|
|BELOW NORM|   |   |   |   |   |   |   |   |   |   | 60%| |*| |*|*|*| |*| | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% |   | * | * | * | * |** |** |** |** | * | 40%| | | | | |*|*| |*| |
|      20% | * | **| **| **|***|***|***|***|***|***| 20%| | | | |*|*|*|*|*|*|
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|

                    LOW LATITUDES

 __________________________________________________     ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM| * | * | **| **| **| * | **| **| * | * | 20%|*|*|*|*|*|*|*|*|*|*|
|    NORMAL|* *|* *|*  |*  |*  |* *|*  |*  |* *|* *| 40%|*|*|*|*|*|*|*|*|*|*|
|BELOW NORM|   |   |   |   |   |   |   |   |   |   | 60%|*| | |*|*|*|*| |*| |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% | * |   |   | * | * | * | * |   |   |   | 60%| | | | | | | | | | |
|      40% | **| **| **| **| **| **| **| **| **| **| 40%| | | | | | | | | | |
|      20% | **| **| **| **| **|***|***| **|***| **| 20%| | | | | |*|*| |*| |
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|
```

NOTES:

These VHF DX prediction charts are defined for the 50 MHz to 220 MHz bands. They are based primarily on phenomena which can affect VHF DX propagation globally. They should be used only as a guide to potential DX conditions on VHF bands. Latitudinal boundaries are the same as those for the HF predictions charts. For more information, request the document "Understanding Solar Terrestrial Reports" from: "std_oler@hg.uleth.ca".

AURORAL ACTIVITY PREDICTIONS (27 JANUARY - 05 FEBRUARY)

High Latitude Locations

```
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
CONFIDENCE |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
  LEVEL    |           HIGH |   |   |   |   |   |   |   |   |   |   |
 -------   |       MODERATE |   |   |   |   |   | * | * | * | * | * |
   30%     |            LOW |   | * | * | * | * |***|***|***|***|***|
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------
```

Middle Latitude Locations

```
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
CONFIDENCE |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
  LEVEL    |           HIGH |   |   |   |   |   |   |   |   |   |   |
 -------   |       MODERATE |   |   |   |   |   |   |   |   |   | * |
   35%     |            LOW |   |   |   |   |   |***|***| * |***|***|
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------
```

Low Latitude Locations

```
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
CONFIDENCE |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
  LEVEL    |           HIGH |   |   |   |   |   |   |   |   |   |   |
 -------   |       MODERATE |   |   |   |   |   |   |   |   |   |   |
   50%     |            LOW |   |   |   |   |   |   |   |   |   |   |
          |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
          |----------------|---|---|---|---|---|---|---|---|---|---|
          |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
          |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
           --------------------------------------------------------
```

NOTE:

For more information regarding these charts, send a request for the document, "Understanding Solar Terrestrial Reports" to: std_oler@hg.uleth.ca.

** End of Report **

```
From 6057680479917413632
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,399e55647cd112ec,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 04:25:34 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!apple!agate!ucbvax!
HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: POTENTIAL MAJOR GEOMAGNETIC STORM WARNING (with revised forecasts)
Message-ID: <910131015808.2a800184@HG.ULeth.CA>
Date: 31 Jan 91 08:58:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 272
```

```
                *********************************************
                ***  POTENTIAL GEOMAGNETIC STORM WARNING  ***
                *********************************************
```

Issued: 07:30 UT, 31 January

Geomagnetic Storm Warning
Revised Forecasts

ATTENTION:

A MAJOR GEOMAGNETIC STORM associated with a SSC is expected to arrive at the earth between approximately 08:00 UT on 01 February and 20:00 UT on 01 February. Models indicate there is an 80% probability of a major geomagnetic storm attaining planetary magnetic A-index values of near 80 and associated K-index values as high as 7 or perhaps 8 over middle and low latitudes. High latitudes could experience STRONG MAJOR STORMING to SEVERE MAGNETIC STORMING. There is also a high risk that middle latitudes could also experience periods of SEVERE magnetic storming. The storm is expected to last anywhere from approximately 24 to 36 hours with active residual post-storm perturbations. The major energetic X-class flare of 31 January with associated strong Type II and IV sweeps is being held responsible for the predicted geomagnetic storm.

A MAJOR AURORAL STORM WARNING has been issued for all high and middle latitude locations. The storm is expected to reach very intense levels over high latitudes, stretching down even to the middle latitude regions. The auroral zone is expected to migrate notably southward, possibly beyond regions along 47 north latitude.

A LOW LATITUDE AURORAL ACTIVITY WARNING has been issued. Auroral activity is expected to reach intensities capable of being viewed from low latitude regions. The main phase of the storm may not begin until near sunrise in North America on Friday morning. North American observers will probably have to wait until after evening twilight to attempt to spot any auroral activity. Observers in Europe and the UK will probably witness the onset of the main auroral storm.

A POTENTIAL ELECTRICAL ANOMALY WARNING has been issued for high and middle latitude regions. This warning is intended to alert those organizations and/or industries which could be affected by geomagnetically induced electrical currents to the increased potential for experiencing anomalies anytime after the main phase of the geomagnetic storm begins. Currently, the main phase is expected between approximately 08:00 UT on 01 February and 04:00 UT on 02 February. This warning is not intended to represent an absolute guarantee that anomalies will occur. Rather, it is intended to serve only as an alert mechanism to make those organizations or industries aware of the increased risk for magnetically induced anomalies on long conductive ground-based objects.

MAJOR RADIO PROPAGATION DISRUPTIONS are expected for 01 February and 02 February. Some improvements are expected late on 02 February and into 03 February. However, residual magnetic activity and enhanced corpuscular emissions are expected to keep propagation qualities below normal until about 04 February. There is also a significant risk for further major proton flaring, which could prolong the period of degraded radio conditions as well as prolong and/or intensify the geomagnetic storming and terrestrial activity.

A POLAR CAP ABSORPTION WARNING has been issued for the polar and high latitude regions. This latest flare is a suspected proton flare which is expected to attain flux levels near 200 p.f.u.. If these levels are attained, a PCA will almost certainly occur (and may already be in progress at the present time). Radio blackout conditions may exist over the polar and high latitude regions if a PCA should develope.

REVISED PREDICTION CHARTS FOLLOW - THESE CHARTS SUPERSEDE THE CHARTS GIVEN IN THE SOLAR TERRESTRIAL FORECAST AND REVIEW.

PLANETARY 10-DAY GEOMAGNETIC ACTIVITY OUTLOOK (27 JANUARY - 05 FEBRUARY)

```
 ________________________________________________________________________
|  EXTREMELY SEVERE |   |   |   |   |   |   |   |   |   |   | VERY HIGH! |
| VERY SEVERE STORM |   |   |   |   |   |   |   |   |   |   | HIGH       |
|      SEVERE STORM |   |   |   |   |   |  *|*  |   |   |   | MODERATE   |
|       MAJOR STORM |   |   |   |   |   | **|***|   |   |   | LOW - MOD. |
|       MINOR STORM |   |   |   |   |   | **|***|*  |   |   | LOW        |
|       VERY ACTIVE |   |   |   |   |   |***|***|** |   |   | NONE       |
|            ACTIVE |   |   |   |   |   |***|***|***|** |** | NONE       |
|         UNSETTLED |   |   |   | **|***|***|***|***|***|***| NONE       |
|             QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
|        VERY QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
|-------------------|---|---|---|---|---|---|---|---|---|---|------------|
| Geomagnetic Field |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|  Anomaly   |
|    Conditions     |       Given in 8-hour intervals       | Intensity  |
|________________________________________________________________________|
```

CONFIDENCE LEVEL: 65%

HF RADIO SIGNAL PROPAGATION PREDICTIONS (27 JANUARY - 05 FEBRUARY)

High Latitude Paths

```
            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |   |   |   |   |   |   |   |   |   |   |
CONFIDENCE |           GOOD |   |   |   |   |   |   |   |   |   |   |
  LEVEL    |           FAIR |***|*  |*  |*  |   |   |   |   |   |   |
 -------   |           POOR |   | **| **| **|*  |   |   |  *|  *|***|
   65%     |      VERY POOR |   |   |   |   | **|   |   |** |** |   |
           | EXTREMELY POOR |   |   |   |   |   |***|***|   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------
```

Middle Latitude Paths

```
            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |***|* *|* *|* *|   |   |   |   |   |   |
CONFIDENCE |           GOOD |   | * | * | * |***|   |   |   |   |   |
  LEVEL    |           FAIR |   |   |   |   |   |*  |   |   |***|***|
 -------   |           POOR |   |   |   |   |   |   |   |  *|   |   |
   70%     |      VERY POOR |   |   |   |   |   |   |   |** |   |   |
           | EXTREMELY POOR |   |   |   |   |   | **|***|   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------
```

Low Latitude Paths

```
            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |***|***|***|***|   |   |   |   |   |   |
CONFIDENCE |           GOOD |   |   |   |   |***|   |   |   |   |  *|
  LEVEL    |           FAIR |   |   |   |   |   |*  |   |  *|***|** |
 -------   |           POOR |   |   |   |   |   |   |  *| * |   |   |
   65%     |      VERY POOR |   |   |   |   |   | **|** |*  |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------

NOTES:
       High latitudes >= 55       degree's north latitude
     Middle latitudes >= 40 < 55  degree's north latitude
        Low latitudes  < 40       degree's north latitude



POTENTIAL VHF DX PROPAGATION PREDICTIONS (27 JANUARY - 05 FEBRUARY)
   INCLUDES SID AND AURORAL BACKSCATTER ENHANCEMENT PREDICTIONS

                   HIGH LATITUDES

 __________________________________________________      ___________________
|  SIGNAL   | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   | * |   |   |   |   |   |   | 20%|*|*|*|*|*|*|*|*|*|*|
|    NORMAL|***|***|***|* *|** |   |   | **|***|***| 40%|*|*|*|*|*|*|*|*|*|*|
|BELOW NORM|   |   |   |   |  *|   |  *|*  |   |   | 60%| | | | | | | | | | |
| VERY POOR|   |   |   |   |   |* *|** |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   | * |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | |*| | | | |
|      60% |   |   |   |   |   |* *|   |   |   |   | 60%| | | | | |*|*| | | |
|      40% |   |   |   |   |  *|***|***|   |   |   | 40%| | | | | |*|*|*|*| |
|      20% | * | * | * | * |***|***|***|***|** |** | 20%| | | | |*|*|*|*|*|*|
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|


                  MIDDLE LATITUDES

 __________________________________________________      ___________________
|  SIGNAL   | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   | * | **| **| * |   |   |   |   |   | 20%|*|*|*|*|*|*|*|*|*|*|
|    NORMAL|***|* *|*  |*  |* *|   |   | **|***|***| 40%|*|*|*|*|*|*|*|*|*|*|
|BELOW NORM|   |   |   |   |   |*  |  *|*  |   |   | 60%| |*| |*|*|*|*|*|*|*|
| VERY POOR|   |   |   |   |   | **|** |   |   |   | 80%| | | | |*|*| | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | |*|*| | | |
|      60% |   |   |   |   |   |***|***|   |   |   | 60%| | | | | |*|*| | | |
|      40% |   | * | * | * | **|***|***|***|** | * | 40%| | | | | |*|*|*|*| |
|      20% | * | **| **| **|***|***|***|***|***|***| 20%| | | | |*|*|*|*|*|*|
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|

                    LOW LATITUDES

 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM| * | * | **| **| * |   |   |   |   |   | 20%|*|*|*|*|*|*|*|*|*|*|
|    NORMAL|* *|* *|*  |*  |* *|   | **|***|***|***| 40%|*|*|*|*|*|*|*|*|*|*|
|BELOW NORM|   |   |   |   |   |***|*  |   |   |   | 60%|*| | |*|*|*|*|*|*|*|
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | |*|*| | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% | * |   |   | * | * | * | * |   |   |   | 60%| | | | | | | | | | |
|      40% | **| **| **| **| **|***|***| **| **| **| 40%| | | | | |*|*| | | |
|      20% | **| **| **| **| **|***|***|***|***| **| 20%| | | | | |*|*|*| | |
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|
```

NOTES:

These VHF DX prediction charts are defined for the 50 MHz to 220 MHz bands. They are based primarily on phenomena which can affect VHF DX propagation globally. They should be used only as a guide to potential DX conditions on VHF bands. Latitudinal boundaries are the same as those for the HF predictions charts. For more information, request the document "Understanding Solar Terrestrial Reports" from: "std_oler@hg.uleth.ca".

AURORAL ACTIVITY PREDICTIONS (27 JANUARY - 05 FEBRUARY)

```
                            High Latitude Locations

            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
CONFIDENCE |      VERY HIGH |   |   |   |   |   | * |   |   |   |   |
  LEVEL    |           HIGH |   |   |   |   |   |***| * |   |   |   |
 -------   |       MODERATE |   |   |   |   |   |***|***|***| * | * |
   75%     |            LOW |   | * | * | * | **|***|***|***|***|***|
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------

                         Middle Latitude Locations
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
CONFIDENCE |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
  LEVEL    |           HIGH |   |   |   |   |   | **|** |   |   |   |
 -------   |       MODERATE |   |   |   |   |   |***|***|***|   | * |
   65%     |            LOW |   |   |   |   |   |***|***|***|***|***|
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------

                            Low Latitude Locations
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
CONFIDENCE |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
  LEVEL    |           HIGH |   |   |   |   |   |   |   |   |   |   |
 -------   |       MODERATE |   |   |   |   |   | * |   |   |   |   |
   60%     |            LOW |   |   |   |   |   |***|***|   |   |   |
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------
```

** End of Warning **

From 1378668531923143189
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4940d9c34cd65191
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 05:17:31 PST
Path: gmdzi!unido!mcsun!uunet!spool.mu.edu!sdd.hp.com!hplabs!hpda!hpcuhb!hpsqf!hpqmola!hpqmole!dstock
From: dstock@hpqmole.sqf.hp.com (David Stockton)
Newsgroups: rec.ham-radio
Subject: Re: Impedance Matching
Message-ID: <410019@hpqmole.sqf.hp.com>
Date: 30 Jan 91 17:26:42 GMT
References: <426@newt.sbi.com>
Organization: HP,Queensferry Microwave UK

Lines: 44
Posted: Wed Jan 30 11:26:42 1991

The impedances you quote are not the impedances of your ceramic and crystal filters in all probability, as the filter manufacturers do not usually quote this - they specify the impedance that should be presented to both ports of the filter. Some filters do look like the conjugate of this, but others can be very different. Ceramic filters also misbehave when presented with wrong impedances.

Without specific circuits or even the operating frequency, only general guidance can be given :

Lossy network - Just a minimum loss pad and a loading capacitor, works for any frequency, easy to calculate but useless due to insertion loss for any actual application. (i use these when measuring filters on a network analyser when accurate termination is more important than loss)

Modify the circuit to give needed source and load impedances - this may be possible if the filter drives a fet gate directly and if the circuit driving the filter is aperiodic, otherwise you must analyse the existing tuned circuits and synthesise a new network for each port of your filter.

Use a matching transformer, possibly with a loading capacitor -
RF transformer design is a black art at high and complex impedances
nuff said ?

Use matching networks of th resonant kind - you know the Z that should have been presented to your old filters, a Pi network can be synthesised to convert this to that needed by your new filters.
My favourite hunting ground for Pi synthesis are the 2 volumes of "motorola rf device data" which contain all the equations in handy easy-to-use form as well as tables of precalculated values. although these are aimed at power output stages, the values are correct.

I'd cast my vote for resonant transformation. They give extra out of band selectivity. Both quartz and ceramic filters have got spurious responses just outside their passbands (worse in monolithic filters than in
"discrete
"filters)
it is bad practice to rely on block filters for all your selectivity for this reason.

73 have fun !
GM4ZNX

From 4588672215098243082
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,22b326962d6709c2
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1991-01-31 06:40:35 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!voder!wlbr!lonex.radc.af.mil!popyackl
From: popyackl@lonex.radc.af.mil (Leonard J. Popyack)
Newsgroups: rec.ham-radio
Subject: Re: sex and cw
Message-ID: <1991Jan31.122808.12923@lonex.radc.af.mil>
Date: 31 Jan 91 12:28:08 GMT
References: <1991Jan25.140515.17568@lonex.radc.af.mil> <7880428@hpfcdc.HP.COM> <685@chiton.ucsd.edu>
Organization: RADC
Lines: 24

In article <685@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
>In article <7880428@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>>>Inevitably the lure of sending effortless code with a beautiful chrome Bencher
>>>key will seize the poor sucker by the throat and a new addict to the outmoded
>>>mode will be born....B-) B-) B-)
>>>
>>> AA6PN
>>
>>Beware the Dark Side of the Force, Luke.
>>
>>KF0CA
>
>What great semaphores those light swords would make. You could stand on the
>hull of your starship and communicate directly with your alien friends.
>

...and Sheena TenTek (wise woman warrior of the 23rd century) would send
you a message using Morse Code through her light sword. Her Telepathy
clouded by E layre ionization, Morse code is the only practical method
to communicate her intentions to you. You immediatly recognize the old
code from your golden old days when you argued about it over that outdated
rec.ham-radio newsgroup.
   Sheena TenTek (daughter of Kenncom Yaesu, Dx) is a beautiful woman of
22 earth years. [ok netters, here is your chance for expression]....

From -7986051998116754534
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43ddf726ddd47ac9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 06:50:00 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: freedom of speech
Message-ID: <16263@crdgw1.crd.ge.com>
Date: 31 Jan 91 14:50:00 GMT
References: <146@canada.sbi.com> <688@chiton.ucsd.edu>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)

Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 27
In-reply-to: rec@chiton.ucsd.edu (Richard Currier)

In article <688@chiton.ucsd.edu>, rec@chiton (Richard Currier) writes:
>
>Political/religious pontificating is "obscene" to me. So the writer agrees
>that it has no place in Amateur Radio.

You can find plenty of that on the commercial SW stations (too much).

>>it is not clear
>>to me why the playing of music should be prohibited in a two-way communication.
>
>Ever hear of copyright laws? Is this really an "attorney" writing this?

That sounds like a preemptive accusation. By your implicit reasoning, one could argue that speaking on the air should be forbidden, because the things you say could come from copyrighted books.

I think the legal reasoning was that if you are putting music on the air, it will tend to make your transmission "public entertainment."

I think the rule could be eased enough to allow, say, a few notes to pass back and forth between 2 hams having a discussion of music theory without the ham bands turning into a broadcast medium.

-don perley - ke2tp

perley@trub.crd.ge.com

From -2355211564373825604
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,52e6610d50ecf427,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 07:41:19 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!agate!ucbvax!rx.xerox.com!hugh_davies.wgc1
From: hugh_davies.wgc1@rx.xerox.com
Newsgroups: rec.ham-radio
Subject: Who speaks English?
Message-ID: <"31-Jan-91.14:46:14.GMT".*.hugh_davies.wgc1@rx.Xerox.com>
Date: 31 Jan 91 14:46:14 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18

Dave Heller (csn!ub!dsinc!wells!k3tx@handies.ucar.edu) says "The converse is the average G. They ALL need a couple years residence in Texas to learn to speak English properly; big problem is they don't know it".

```
You *ARE* kidding, right? There was no smiley.

If you are kidding, then read no further, although you could try making your
"witty" remarks a little less parochial in the future.

If you're not kidding, then I'd like to point out that *none* of you you lot
across the pond speak "English" (expats and those with British educations
excepted). You may speak "American" or even "American English", but *not*
"English". Us English people speak English. And there's no such dialect as
"British".

Hugh, G0CNR.
====================================
"Disgusting, tortured, bizarre, grotesque". "Oh, you mean 'vi'!"


From 7797694032156291499
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c5fbfd163aa743cf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 07:47:28 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!uokmax!skaggs
From: skaggs@nsslsun.gcn.uoknor.edu (Gary Skaggs)
Newsgroups: rec.ham-radio
Subject: Re: New License Structure
Summary: Frequency Police coming out of woodwork
Message-ID: <1991Jan31.144140.18396@uokmax.ecn.uoknor.edu>
Date: 31 Jan 91 14:41:40 GMT
References: <9101282235.AA11760@tilde> <1991Jan31.040515.2622@ux1.cso.uiuc.edu>
Sender: news@uokmax.ecn.uoknor.edu (Nets)
Organization: National Severe Storms Laboratory
Lines: 42

In article <1991Jan31.040515.2622@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil
Howard KA9WGN) writes:
...How do
>you know that KA9WGN can't operate in the Extra phone band?  You can't by the
>callsign alone.  You can look up KA9WGN in the callbook, the marvin database,
>or other places, and find out I am a TECH.
>
>Of course with there being TWO KINDS of Tech, this is difficult.  But how
>do you do it?  You COULD give the NEW techs a different callsign, but they
>can upgrade and keep it.  You could require them to change, but that will
>just become a DIScouragement to upgrade.  You can add suffix /N to TECH+HF
>but those who already have TECH before FEB 14 will be affected.
>
>Using stupid callsign tricks is NOT the way to do it.
>--
>
>--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
><phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

Here, here!  There will be plenty of net guarders and self appointed OOs out
```

there without our flameage. And remember, those of you with a bone to pick, when you go to look at the callbook or marvin or wherever, that it will only say TECHNICIAN. It won't say CSCE endorsement.

Lighten up! THEY ARE GOING TO BE PART OF OUR HOBBY. We don't need a new hams first experience with other living, breathing amateurs to be with a flared nostril, fire breathing luncatic.

I agree totally with the right of those that disagree to disagree. But face it ladies and gentlemen, IT IS GOING TO HAPPEN.

Welcome them, Elmer them, teach them proper etiquette, but always with the courtesy that you would expect to be given to you and they will become a credit to our hobby. Shun, ignore, or ridicule and expect them to reply in kind. Makes for great PR.

____
Gary Skaggs - WB5ULK   skaggs@nssl.gcn.uoknor.edu DOC/NOAA/ERL/NSSL
Summer? - Flagstaff.   "Air conditioning? What's that?"
Autumn? - Cape Cod.   "If they only had a good Mexican restaurant in Hyannis."
Winter? - Summit County.   "Terminal Intermediates Unite!"
Spring? - Oklahoma.   "Tornados + film = One great road trip!"
     "Disclaimer? I don't claim anything so why should I disclaim it?"

From -1089905497674137786
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c78f44ce783cfdc3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 08:13:45 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!hplabs!hpfcso!hplvec!chris
From: chris@hplvec.LVLD.HP.COM (Chris Kelly)
Newsgroups: rec.ham-radio
Subject: Re: Comet CA2x4Z Antenna
Message-ID: <2190006@hplvec.LVLD.HP.COM>
Date: 31 Jan 91 16:13:45 GMT
References: <1991Jan27.170318.22891@bpdsun1.uucp>
Organization: Hewlett-Packard Co., Loveland, CO
Lines: 10

I own the Diamond X200, which is about the same antenna, I am told, with a different name. It is a good performer, and I am pleased with it (and this from a dyed-in-the-wool Isopole fan). A friend who has the Comet 15 foot dual band antenna commented that the construction of his Comet was the same as the Diamond, but in three sections rather than the two sections of my smaller Diamond. I can recommend these antennas as they seem to have very good gain and low SWR (no other actual measurements made)....chris
de WD5IBS

From 3971571055033223839
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 08:29:28 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!hplabs!hpfcso!hplvec!chris
From: chris@hplvec.LVLD.HP.COM (Chris Kelly)
Newsgroups: rec.ham-radio
Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <2190007@hplvec.LVLD.HP.COM>
Date: 31 Jan 91 16:29:28 GMT
References: <1167.27A6BD41@w8grt.fidonet.org>
Organization: Hewlett-Packard Co., Loveland, CO
Lines: 10

...wonders how they go the locations so accurately..

Well in the case of the Tomahawk, there are at least two
guidance modes, one which gets it to the area, and then
one which does "terminal" guidance, called "tercom".
Ground, air and satellite photos, and locations of
known "benchmarks" could be used to help the
tomahawk tercom choose which window to fly into in the
defense ministry....

From 9159708416545792973
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b25d11d9a0a471ec,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 11:24:07 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!agate!ucbvax!s5000.RSVL.UNISYS.COM!bert
From: bert@s5000.RSVL.UNISYS.COM
Newsgroups: rec.ham-radio
Subject: IC-751A wisdom (or opinions) sought
Message-ID: <9101311003.AA03505@s5000.RSVL.UNISYS.COM>
Date: 31 Jan 91 16:03:15 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13

I am seriously considering buying an Icom IC-751A this spring and would like
comments from anybody who has one or who also considered one but bought something else.
I intend to operate CW exclusively on 40 through 10.
I had a brief fling with the thought of buying a TenTec Paragon, but can't
justify the extra cost. Can somebody convince me otherwise? Is the 751
$400 better than, for example, the IC-735, or maybe Kenwood's TS440?

Thanks in advance,

Bert Hyman W0RSB
bert@rsvl.unisys.com
...!uunet!s5000!bert

From -8618222067388947365
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,734d408930003605
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 11:24:43 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!
elroy.jpl.nasa.gov!ncar!gatech!udel!masters
From: masters@freezer.it.udel.edu (paul masters)
Newsgroups: rec.ham-radio
Subject: Re: FCC Citation of Packet BBSs for Store-and-Forward Msg
Message-ID: <43321@nigel.ee.udel.edu>
Date: 31 Jan 91 15:53:06 GMT
References: <579@scheat.gsfc.nasa.gov>
Sender: usenet@ee.udel.edu
Organization: University of Delaware -- ACIT Sun Lab
Lines: 18
Nntp-Posting-Host: pineapple.it.udel.edu

In article <579@scheat.gsfc.nasa.gov> clark@tomcat.gsfc.nasa.gov writes:
>
> THE IMPLICATIONS
>

It implies that certain seemly elements of our society will not be given the
oportunity ot
turn the Gulf War into another Vietnam, even though they desparately wish too. I
don't think
it will make a serious impact on packet radio since we are operating under special
cercomstances. I just wish Congress would actually declair war, so we could
prosecute the
originators for "giving aid and comfort to the enemy".

Paul

--
I will not waste chalk..I will not skateboard down the halls..I will not
burp in class..I will not instigate revolution..I will not draw naked ladies
.....I will not program brahms.udel.edu to murder itself....
Paul Masters N3IRU (The ham license arived 12/04/90)

From 2130239067609837064
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c5fbfd163aa743cf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 11:29:43 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!

ucselx!usc!cs.utexas.edu!uwm.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: New License Structure
Message-ID: <1991Jan31.040515.2622@ux1.cso.uiuc.edu>
Date: 31 Jan 91 04:05:15 GMT
References: <9101282235.AA11760@tilde>
Organization: University of Illinois at Urbana
Lines: 66

dube@cpdvax.csc.ti.com writes:

>Seems to me that the sensible way to do it is to couch it in terms of exam
>elements required. Then it would make no difference whether the 1A element
>were passed at a "two-generals" session or at a VE session. And it would
>eliminate the arguments surrounding the CSCE issue. As always, credit for
>previous elements passed would be reflected by the type of license held at
>the time the exams were taken.

```
>
>No License to Novice             No License to Tech     No L. to General
>      1A 2A                          2A 3A  (no HF)       1A 1B 2A 3A 3B

>                                 Novice to Tech+HF      Novice to General
>                                    3A                   1B 3A 3B
>(Note that Novice does not go
> to a "codeless" Tech)           Tech to Tech+HF        Tech to General
>                                    1A                   1A 1B 3B
>
>                                                        Tech+HF to General
>                                                         1B 3B
>
```

>What could be simpler? Or is it that simplicity doesn't play well with
>today's Hams?

When you say "type of license held" you fall back into the rut the FCC accidently dug up in the 90-55 final decision. There is no such thing as a "Tech+HF" license class; there is JUST "Tech". The difference is in how one got there.

By making TWO DISTINCT license classes and eliminating the requirement to hold the CSCE (read my comments to 90-55 against use of CSCE) then you can do what you have above, and it would make sense.

It might be adequate enough to simply add wording to the rules (as changed by 90-55) to allow proof for HF privs of either the CSCE *OR* the Novice license *OR* the older Tech license. There are technical bureaucratic problems, but that is the FCC's worry. They got themselves into this mess.

It would also simplify things a bit if we eliminated the "two generals" method of testing for Novice and just had everything tested by VE's.

>The real problem, and the one I posted just after the new structure was

>announced, is: How you gonna tell the Techs from the "Tech+HFs" without some
>kind of call sign differentiation? Some have complained that this will
>result in on-the-air discrimination, and I'm sure that some of that will
>occur. But it's not JUST a matter of on-the-air discrimination. It's an
>administrative problem that must be dealt with, and this thread has properly
>identified it. THE FCC and ARRL ought to fix their mess.

I disagree that there is any need to distinguish class on the air. How do
you know that KA9WGN can't operate in the Extra phone band? You can't by the
callsign alone. You can look up KA9WGN in the callbook, the marvin database,
or other places, and find out I am a TECH.

Of course with there being TWO KINDS of Tech, this is difficult. But how
do you do it? You COULD give the NEW techs a different callsign, but they
can upgrade and keep it. You could require them to change, but that will
just become a DIScouragement to upgrade. You can add suffix /N to TECH+HF
but those who already have TECH before FEB 14 will be affected.

Using stupid callsign tricks is NOT the way to do it.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 8100873994255966970
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,49f4feb6e9496862
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-01-31 12:13:41 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!
utzoo!henry
From: henry@zoo.toronto.edu (Henry Spencer)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <1991Jan31.165757.19929@zoo.toronto.edu>
Date: 31 Jan 91 16:57:57 GMT
References: <1154.27A2ECFD@w8grt.fidonet.org>
<1991Jan29.044137.20914@zoo.toronto.edu> <1321@catnip.berkeley.ca.us>
<1991Jan30.232701.25602@amd.com>
Organization: U of Toronto Zoology
Lines: 10
Xref: gmdzi rec.ham-radio:20066 sci.electronics:11214

In article <1321@catnip.berkeley.ca.us> bandy@catnip.berkeley.ca.us (Gun Control
is Hitting Your Target) writes:
>So, Henry, how do you know that Saddam already knows this?

Because it's public information. If he doesn't know it, it's because he's
not paying attention. Either he is, in which case telling him about it
again hurts nothing, or he isn't, in which case he isn't going to notice

```
it this time either.
--
If the Space Shuttle was the answer,   | Henry Spencer at U of Toronto Zoology
what was the question?                 |  henry@zoo.toronto.edu   utzoo!henry


From -6655678852347267023
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7d49cd453ed34c4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 12:28:12 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!sdd.hp.com!hplabs!pyramid!
infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: Xmit Mods for IC-735
Message-ID: <1991Jan31.202812.12060@informix.com>
Date: 31 Jan 91 20:28:12 GMT
References: <12450@lanl.gov> <1250346@hpnmdla.HP.COM>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 21

In article <1250346@hpnmdla.HP.COM> glenne@hpnmdla.HP.COM (Glenn Elmore) writes:
> [ talks about how to modify the 735 for out-of-band transmit]
>  This is a particularly nice feature since it allows wide coverage when
>used with transverters. I use my 735's with my 144MHZ - 10.368 GHz transverters
>with the radios operating in the 20-30 MHz region. It allows 10 MHz of
>all-mode coverage on every vhf-uhf-uwave amateur band.
>
>73
>Glenn Elmore n6gn
>

I don't understand this.  Are you saying that you are transmitting out
of the band?  What do transverters have to do with it?




--

=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                          Informix Software, Inc.
Senior Programmer/Analyst, MIS                    uunet!pyramid!infmx!randall


From -3852523418985966522
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,202dd71ae573ec8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 12:31:53 PST
Path: gmdzi!unido!mcsun!uunet!spool.mu.edu!sdd.hp.com!hplabs!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
```

Newsgroups: rec.ham-radio
Subject: Re: Where to Buy??
Message-ID: <1991Jan31.203153.12168@informix.com>
Date: 31 Jan 91 20:31:53 GMT
References: <1991Jan23.015112.2392@bpdsun1.uucp> <1250347@hpnmdla.HP.COM>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 20
Posted: Thu Jan 31 14:31:53 1991

In article <1250347@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>Ham Radio Outlet is a good outfit. They advertise in our club
>newsletter, so I like to plug them when I get a chance!
>
>AL N1AL

I don't like HRO. They don't post prices in their retail stores ... not even for cables, books, and the like. You always have to ask a salesperson for prices. I really find this to be a big inconvenience, and I suspect that they are trying to hide their prices.

Their salespeople rarely know much about their products. I realize that this is a common problem in retail stores, but I figured that since all of their employees are hams, they should know something.

--

```
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                          Informix Software, Inc.
Senior Programmer/Analyst, MIS                    uunet!pyramid!infmx!randall
```

From 20704444814867342
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,430c448ff240851b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 13:02:53 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!magnus.ircc.ohio-state.edu!rdixon@magnus.ircc.ohio-state.edu
From: Bob_Dixon@osu.edu
Newsgroups: rec.ham-radio
Subject: How to find (callsign) ?
Message-ID: <CMM.0.90.2.665345143.rdixon@magnus.acs.ohio-state.edu>
Date: 31 Jan 91 18:05:43 GMT
Sender: Bob Dixon <rdixon@right.magnus.ircc.ohio-state.edu>
Reply-To: Bob_Dixon@osu.edu
Organization: The Ohio State University
Lines: 10

Once again, the intrepid QSL manager is trying to find the owners of some cards that linger on unclaimed. How does one find hams that are not listed in the current callbook, and are also not listed in the Buffalo callsign server? I have a bunch of these "lost souls". Each has more than 1 card here,

so they are probably not just callsign errors by the sender.
Examples are WL8E and KB8EOO.
Any suggestions would be appreciated.

Bob W8ERD
"8E" ARRL QSL manager

From 5441438763782308485
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,49f4feb6e9496862
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-01-31 13:43:43 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!autodesk!melange!abeals
From: abeals@autodesk.com (Segments Are For Worms)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <abeals.665346620@melange>
Date: 31 Jan 91 18:30:20 GMT
References: <1154.27A2ECFD@w8grt.fidonet.org> <1991Jan29.044137.20914@zoo.toronto.edu> <1321@catnip.berkeley.ca.us> <1991Jan30.232701.25602@amd.com>
Sender: news@Autodesk.COM
Followup-To: rec.ham-radio
Lines: 27
Xref: gmdzi rec.ham-radio:20068 sci.electronics:11215

phil@brahms.amd.com (Phil Ngai) writes:

>In article <1321@catnip.berkeley.ca.us> bandy@catnip.berkeley.ca.us (Gun Control is Hitting Your Target) writes:
>|So, Henry, how do you know that Saddam already knows this?

>Let's see, if Saddam doesn't have a GPS, it doesn't matter to him
>how accurate the GPS he doesn't have is. If he does have a GPS,
>it's not going to be hard to find out how accurate it is, assuming
>he knows the coordinates of at least one location he has access to.

Well, Phil, let's see.

Let's say that Saddam didn't have GPS...

Then he [or one of his agents] reads Henry Spencer's article...

Suddenly, someone buys a bunch of GPS units...

And then ships them off to Iraq...

So, Phil, now do you understand?
--
Andrew Scott Beals
abeals@autodesk.com

From 4665670308634126839
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,365ca223d8372716
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 13:59:32 PST
Path: gmdzi!unido!mcsun!uunet!spool.mu.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!pacbell.com!ucsd!qualcom.qualcomm.com!kleing
From: kleing@qualcomm.com (Klein Gilhousen)
Newsgroups: rec.ham-radio
Subject: Re: Cellular channel numbers
Message-ID: <1991Jan31.183930.26842@qualcomm.com>
Date: 31 Jan 91 18:39:30 GMT
References: <910130133057.20204661@UWYO.BITNET> <16201@sdcc6.ucsd.edu>
Organization: Qualcomm Inc., San Diego, CA
Lines: 27
Posted: Thu Jan 31 12:39:30 1991

In article <16201@sdcc6.ucsd.edu>, ee299aj@sdcc6.ucsd.edu (Jung Ching Ho) writes:
> for the handheld cellular phone. It seems to me that you can have
> good transmission and receiving
> anywhere inside a building or in your car. Unlike the HT for hams,
> once you get into a building or in a car, both transmitting and
> receiving become bad.

There are several things that give cellular an advantage over the typical 2 meter handheld running through a repeater.

First, the wavelength is 35 cm. instead of 2 m, allowing superior penetration of apertures such as windows in buildings.

Second, cellular cell-sites are usually around 3-4 mile radius, so you're never very far away. 2 meter repeaters usually have much larger coverage radius than this. If you were only 2 miles from the 2 m repeater, it would work great inside the building.

Third, cellular typically runs transmit ERP of about 100 watts per channel for the link from cell to mobile. Mobile is somewhat less, maybe 10 watt ERP for car phones and 1 Watt ERP for handhelds. But the mobile-to-cell link uses receive antenna diversity at the cell-site further improving things.

Klein S. Gilhousen, WT6G
Qualcomm, Inc.
San Diego, CA

```
From -7061630709274520593
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aed161bfd215a3c6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 15:34:53 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!hellgate.utah.edu!fcom.cc.utah.edu!
cc.utah.edu!cc.usu.edu!slp9m
From: slp9m@cc.usu.edu
Newsgroups: rec.ham-radio
Subject: Communications Quarterly info sought
Message-ID: <1991Jan31.173453.46786@cc.usu.edu>
Date: 31 Jan 91 23:34:53 GMT
Lines: 12

'alp!

I thought I had saved off the subscription info (namely, address & tel. #)
for Communications Quarterly somewhere, but can't seem to locate it.  Could
someone please E-mail it to me?     TNX     Scott.

############################################################################
#        Scott E. Parker   WA7VYJ         # INTERNET: SLP9M@cc.usu.edu     #
# Center for Atmospheric & Space Sciences # Twisted pair: (801) 750-2975   #
#          Utah State University          #         Home: (801) 753-3924   #
#         Logan, UT    84322-4405         #                                #
############################################################################
```

```
From 8015474190802306668
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f90dc4e412e1aa1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9f90dc4e412e1aa1
X-Google-Attributes: gid114aac,public
X-Google-Thread: fb9af,9f90dc4e412e1aa1
X-Google-Attributes: gidfb9af,public
X-Google-Thread: f5d40,9f90dc4e412e1aa1
X-Google-Attributes: gidf5d40,public
X-Google-Thread: 10f3ae,9f90dc4e412e1aa1
X-Google-Attributes: gid10f3ae,public
X-Google-ArrivalTime: 1991-01-31 19:30:22 PST
Path: gmdzi!unido!mcsun!uunet!news.larc.nasa.gov!grissom.larc.nasa.gov!kludge
From: kludge@grissom.larc.nasa.gov ( Scott Dorsey)
Newsgroups: alt.conspiracy,alt.folklore.urban,rec.radio.shortwave,rec.ham-
radio,talk.rumors
Subject: Re: Radio Signals from Space?!?
Message-ID: <1991Jan31.204504.3643@news.larc.nasa.gov>
Date: 31 Jan 91 20:45:04 GMT
References: <1290@pdxgate.UUCP> <1916@cluster.cs.su.oz.au> <8638@hub.ucsb.edu>
Sender: news@news.larc.nasa.gov (USENET Network News)
Reply-To: kludge@grissom.larc.nasa.gov ( Scott Dorsey)
Organization: NASA Langley Research Center
Lines: 5
```

Xref: gmdzi alt.conspiracy:2817 alt.folklore.urban:7459 rec.radio.shortwave:4034
rec.ham-radio:20071 talk.rumors:163

In article <1916@cluster.cs.su.oz.au> raf@karl.cs.su.OZ.AU (A Stainless Steel Rat)
writes:
>It sounds like a great UL to me. I mean, how would anyone know about it if NASA
>didn't want them to? I'd better read the book. Has anyone else heard this?

Of course it's true. I've got a QSL card from Mars myself...

From 8591860623149545947
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,49f4feb6e9496862
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-01-31 20:05:07 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!epic!karn
From: karn@epic.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <1991Jan31.183738@epic.bellcore.com>
Date: 31 Jan 91 23:37:38 GMT
References: <1154.27A2ECFD@w8grt.fidonet.org>
<1991Jan29.044137.20914@zoo.toronto.edu> <1321@catnip.berkeley.ca.us>
<1991Jan30.232701.25602@amd.com>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 14
Xref: gmdzi rec.ham-radio:20072 sci.electronics:11218

Don't forget that the region also has good Loran-C coverage from two
permanent chains in Saudi Arabia. My own experience with the Northeast
USA Loran-C chain has been repeatable accuracy of 20-40 meters; this
is better than the 100 meter figure given for GPS with selective
availability turned on.

Furthermore, Loran-C is available 24 hours/day, unlike GPS which has
coverage gaps. According to publicly available orbital elements and
operational schedules, there is currently a daily gap in GPS coverage
in the Baghdad area from about 1130 to 1200 UTC. (A gap is defined as
fewer than 4 operational satellites visible simultaneously, including
both Block I and Block II spacecraft.)

Phil

From -2903277961613806774
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,276b3f6f67035869,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1991-01-31 20:07:01 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!cs.umn.edu!kksys!orbit!pnet51!bartsch
From: bartsch@pnet51.orb.mn.org (Eric A. Bartsch)
Newsgroups: rec.ham-radio
Subject: Altenator Whine
Message-ID: <3951@orbit.cts.com>
Date: 31 Jan 91 16:45:02 GMT
Sender: news@orbit.cts.com
Organization: People-Net [pnet51], Minneapolis, MN.
Lines: 30

I own a Yaseu FT-212RH. I've had it for over two years now, and have never had any problems with interference from the car's electronics. Very recently the radio has began to pick up an altenator whine over the received audio and also superimposes it on my transmitted signal. The radio is connected to ground and the positive terminal on the battery. The battery is new and I just had the altenator rebuilt, but the whine persists.

I want to know:

1) Why did the whine appear suddenly when the radio the radio has worked fine, free of whine, for the past two years?

2) What can I do to correct my problem? Is there an easy inline power filter that I can install that can handle the 20 amp draw when the radio is at high power?

3) Can I buy a manufactured filter or do I have to make one myself? IF I make it what parts do I need, if I buy it where and what brand/ model number.

Thanks for the help on this. I would appreciate email responses since I don't have the opportunity to read all the posts in this newsgroup very often.

Eric Bartsch - N0JVP
bartsch@pnet51.orb.mn.org
(If the mail bounces, send to bartsch@thor.acc.stolaf.edu). Thanks!

UUCP: {amdahl!bungia, crash}!orbit!pnet51!bartsch
ARPA: crash!orbit!pnet51!bartsch@nosc.mil
INET: bartsch@pnet51.orb.mn.org

From 3924941567720766577
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 20:07:03 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!zaphod.mps.ohio-state.edu!casbah.acns.nwu.edu!ils.nwu.edu!newton
From: newton@ils.nwu.edu (David Newton)
Newsgroups: rec.ham-radio
Subject: Re: GPS accuracy in wake of Desert Storm?

Message-ID: <788@anaxagoras.ils.nwu.edu>
Date: 31 Jan 91 22:58:14 GMT
References: <1154.27A2ECFD@w8grt.fidonet.org>
<1991Jan29.044137.20914@zoo.toronto.edu> <1321@catnip.berkeley.ca.us>
<1991Jan30.232701.25602@amd.com> <abeals.665346620@melange>
Sender: news@ils.nwu.edu
Reply-To: newton@ils.nwu.edu (David Newton)
Organization: The Institute for the Learning Sciences
Lines: 19

In article <abeals.665346620@melange>, abeals@autodesk.com (Segments Are For Worms) writes:

> phil@brahms.amd.com (Phil Ngai) writes:
> >In article <1321@catnip.berkeley.ca.us> bandy@catnip.berkeley.ca.us (Gun Control is Hitting Your Target) writes:
> >|So, Henry, how do you know that Saddam already knows this?
> >Let's see, if Saddam doesn't have a GPS, it doesn't matter to him
> And then ships them off to Iraq...
> So, Phil, now do you understand?

So, I reckon, if no one had thought of that, but now they had, and did all that... By complaining about this in the first place gave him the idea...

This is SOOOOOO stupid. Please continue this ignorance via e-mail or take it to alt.desert.toppings, k? Thanks.

```
--
David L. Newton        |  Work: (708) 491-4791  | newton@ils.nwu.edu -or-
ILS, Room 327       |  Home: (708) 332-2321  | dnewton@carroll1.cc.edu, but
1890 Maple St.      |-----------------------| this just is forwarded to the
Evanston, IL  60201 |__Dr. Seuss is a god.___| top address, so don't bother.
```

From 5765272112725090752
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f90dc4e412e1aa1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5d40,9f90dc4e412e1aa1
X-Google-Attributes: gidf5d40,public
X-Google-Thread: fb9af,9f90dc4e412e1aa1
X-Google-Attributes: gidfb9af,public
X-Google-Thread: 114aac,9f90dc4e412e1aa1
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10f3ae,9f90dc4e412e1aa1
X-Google-Attributes: gid10f3ae,public
X-Google-ArrivalTime: 1991-01-31 20:27:48 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!titan!moseley
From: moseley@titan.tsd.arlut.utexas.edu (Austin Moseley)
Newsgroups: alt.conspiracy,alt.folklore.urban,rec.radio.shortwave,rec.ham-radio,talk.rumors
Subject: Re: Radio Signals from Space?!?
Message-ID: <2325@titan.tsd.arlut.utexas.edu>

Date: 31 Jan 91 22:36:57 GMT
References: <1290@pdxgate.UUCP> <1916@cluster.cs.su.oz.au>
<2262@titan.tsd.arlut.utexas.edu> <22988@ttidca.TTI.COM>
Reply-To: moseley@titan.titan.tsd.arlut.utexas.edu (Austin Moseley)
Organization: Applied Research Labs, University of Texas at Austin
Lines: 15
Xref: gmdzi alt.conspiracy:2824 alt.folklore.urban:7463 rec.radio.shortwave:4040
rec.ham-radio:20075 talk.rumors:164

In article <22988@ttidca.TTI.COM> sorgatz@ttidca.TTI.COM (Avatar) writes:
>+   But, how do we explain the keebler elves?
>+
> Easy, one of the main Keebler Factories is the one in Van Nuys..it used to be
>a uranium processing facility during WW2....think about it....!

I wondered why the sewers glowed at night; that would also explain
the loud explosions heard by landfills. Strange lights at night; mass hysteria;
lots of noises.

HMM.\

A.

From 1898821571283936537
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f0551bcf04680b80,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 20:31:12 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!newstop!male!zule!dlp
From: dlp@zule.Ebay.Sun.COM (Dan Pritchett)
Newsgroups: rec.ham-radio
Subject: What Will it Cost?
Message-ID: <4777@male.EBay.Sun.COM>
Date: 1 Feb 91 00:17:08 GMT
Sender: news@male.EBay.Sun.COM
Reply-To: dlp@zule.Ebay.Sun.COM (Dan Pritchett)
Organization: Sun Microsystems Federal, Inc.
Lines: 17

A recent posting saying that a novice should purchase a good
transceiver to get started and then enter the home brew arena. Plowing
into ham the way I do everything else I was assuming I would build my
own receiver and transmitter. Can anybody shed some light on cost
of each approach (assuming used equipment) and maybe some reasons I
should go one way versus another? Obviously the purchase approach is
mostly plug and go, but I was hoping to use my entry into ham as a
way of increasing my knowledge of electronics in general.

Thanks

Dan Pritchett | ARPA/Internet: dlp@zule.EBay.Sun.COM
Sun Federal System Engineer | UUCP: ...!sun!dlp

It's written in the stars, and every line in our palm
We are fools to make war on our Brothers in Arms.
                        --Mark Knopfler

From -8203072086786042677
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,213adfcec3c2dbeb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 20:39:49 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!bagate!cbmvax!atha!aupair.cs.athabascau.ca!rwa
From: rwa@cs.athabascau.ca (Ross Alexander)
Newsgroups: rec.ham-radio
Subject: Re: Numbers lady on 30 meters
Message-ID: <643@aupair.cs.athabascau.ca>
Date: 31 Jan 91 19:51:14 GMT
References: <98034@aerospace.AERO.ORG> <38441@cup.portal.com> <51595@sequent.UUCP> <21914@duke.cs.duke.edu>
Organization: Athabasca University
Lines: 18

klg@george.mc.duke.edu (Kim Greer -- rjj) writes:
     [topic is RDF of numbers stations]
> Sounds like a fun idea. What it would require though is a fairly
>directional antenna. (or is that really true? could you just use a
>kinda-non-directional antenna and rotate it until the signal is nulled?)
>What do you recommend for the "average" swl'er who would like to try this?

Small receiving loop antennas can display extremely sharp nulls; the nulls
are bidirectional and normal to the signal path. This 180 degree uncertainty
can be elinated via a "sense antenna" (usually a small vertical whip) and
a few bucks worth of parts. Have a look at the ARRL handbook for ideas.
The parts aren't expensive, although some care in fabrication is required
to get sharp nulls.

--
--
Ross Alexander   rwa@cs.athabascau.ca   (403) 675 6311   ve6pdq
"Sometimes, you want everything to look like a nail." -- Larry Wall

From 7171216921571603779
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6cc9f6b7a76936eb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 22:35:08 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!elroy.jpl.nasa.gov!ames!pasteur!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)

Newsgroups: rec.ham-radio
Subject: Re: Guest operators
Message-ID: <9102010045.AA09008@cmr.ncsl.nist.gov>
Date: 1 Feb 91 00:45:55 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 22

I have to confess, when I went on DXpedition to FG back in 1983, I was lucky enough to work back into my home area. After working me from his home station, one of the locals raced across town and worked my from MY home station, using MY call. Should I tear up the card I sent myself? :{ I can assure you that it has been accepted for Grid Square credit. I don't have enough countries yet on six meters (oh yes, this was a 50-MHz-only DXpedition) to see what Don Search will say for DXCC. I think that my operation in 1983 is the only time that contact has been made between FG and W3 on six since the mid-70s.

I know of a case in which a local ham (now deceased) - running high power - usually worked DX stations a second time just after his own success, using the call of one of his buddies on the second QSO. Since neither the station nor the operator of the second call were present, this seems like a clear violation.

You will note that the first two recipients of the DXCC award on 6 meters were K5FF and W5FF (wife and husband, repectively). I have never heard a single suggestion that either ever worked a DX station using the other's call.
Lee and Fred Fish certainly share the same rig.

73, Bob W3OTC

From -3005586318161516691
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,430c448ff240851b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 22:36:08 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!att!pacbell.com!ames!tgv.com!garlough
From: garlough@tgv.com (Trey Garlough)
Newsgroups: rec.ham-radio
Subject: Re: How to find (callsign) ?
Message-ID: <1991Feb1.005404.9370@news.arc.nasa.gov>
Date: 1 Feb 91 00:54:04 GMT
References: <CMM.0.90.2.665345143.rdixon@magnus.acs.ohio-state.edu>
Sender: usenet@news.arc.nasa.gov (USENET Administration)
Reply-To: trey@tgv.com (Trey Garlough)
Organization: TGV
Lines: 30

In article <CMM.0.90.2.665345143.rdixon@magnus.acs.ohio-state.edu>,
Bob_Dixon@osu.edu writes:
|Once again, the intrepid QSL manager is trying to find the owners of

|some
|cards that linger on unclaimed. How does one find hams that are not
|listed
|in the current callbook, and are also not listed in the Buffalo
|callsign
|server? I have a bunch of these "lost souls". Each has more than 1 card
|here,
|so they are probably not just callsign errors by the sender.
|Examples are WL8E and KB8EOO.
|
|Any suggestions would be appreciated.
|
| Bob W8ERD
| "8E" ARRL QSL manager

The card for WL8E was likely intended for WL7E, who is pretty active.
But even if you forwarded the card to WL7E, it probably wouldn't do
him much good.

My personal opinion: if someone I contact can't copy my call right, they
probably don't deserve a QSL. I would take the aforementioned cards,
draw a line through the W8 callsign, write "station unknown" or "return
to sender" on them and send them back via the ARRL outgoing bureau.
--
Trey Garlough
TGV, 603 Mission Street, Santa Cruz, CA 95060
trey@tgv.com (Internet)

From -9016044725220264300
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,734d408930003605
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 22:39:42 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!epic!karn
From: karn@epic.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: FCC Citation of Packet BBSs for Store-and-Forward Msg
Message-ID: <1991Jan31.194013@epic.bellcore.com>
Date: 1 Feb 91 00:40:13 GMT
References: <579@scheat.gsfc.nasa.gov> <43321@nigel.ee.udel.edu>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 33

In article <43321@nigel.ee.udel.edu>, masters@freezer.it.udel.edu (paul
masters) writes:
> It implies that certain seemly elements of our society will not be
given the oportunity ot
> turn the Gulf War into another Vietnam, even though they desparately
wish too. I don't think
> it will make a serious impact on packet radio since we are operating

under special
> cercomstances. I just wish Congress would actually declair war, so we could prosecute the
> originators for "giving aid and comfort to the enemy".

Once again, we see a perfect demonstration of a most unfortunate flaw of human nature. That's the ability of war to induce mass hysteria in an otherwise rational population, turning them into sheep that readily accept the destruction of the moral principles for which they claim to fight.

Nowhere in the Constitution do I see a wartime exemption to the First Amendment. Whether you support or oppose the war, your right to express your opinion is protected. If you feel that people should be prosecuted merely for publicly opposing the policies of their government, then please explain to me why you are so morally superior to Saddam Hussein.

Ahem. Be that as it may... the point of W3IWI's posting was not to debate the merits of a particular posting about the war. He was calling attention to the FCC's unrealistic policy of holding each and every PBBS, digipeater, or repeater licensee responsible for every message that passes through them, as opposed to holding only the originator responsible.

Phil

From 3458337877793896523
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c65f4c523163363c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 22:44:56 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!spool.mu.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!lavaca.uh.edu!menudo.uh.edu!lobster!lescsse!gamorris
From: gamorris@lescsse.uucp (Gary A. Morris)
Newsgroups: rec.ham-radio
Subject: Re: U2MIR
Message-ID: <1991Jan31.210620.2713@lescsse.uucp>
Date: 31 Jan 91 21:06:20 GMT
References: <52.John@mcc.nu.jh> <241@platypus.uofs.edu> <70327@microsoft.UUCP>
Organization: Lockheed Engineering and Sciences
Lines: 59

In <70327@microsoft.UUCP> joehol@microsoft.UUCP (Joseph HOLMAN) writes:
>musa will be working on 145.550 -- i heard and worked him on that frequency
>on 01.29.91 at about 20:15 UTC. his signals were s9 to s20.
>joe ka7ldn

>> > Last weekend my system had U2MIR in the axheard list on 144.625, I
>> OK, someone (AMSAT?) what is the definitive word on what frequency
>> U2MIR is going to be using?? So far people have been claiming to

>> bill   KB3YV

I've heard him on 145.55 for over a week now, on every orbit that I've listened for it (at least 10). That was his usual voice frequency before he started on packet, I expect him to stay on it. He was probably playing with it when it was on the other frequencies.

I managed to leave him (Musa) a mail message on Tuesday night (after trying to connect for 3 orbits), and he left a reply that I picked up Wednesday. I also managed to get the help list for the commands down and am including it here to (hopefully) help reduce the amount of time people spend during a pass just getting the help file. So keep this handy for when you get connected.

Analysis of the downlink shows that he probably has RETRIES set to 5 and FRACK set to 4. If you see packets addressed to CQ, that means whoever was on just got timed out and it is open for someone to connect. If someone is connected please don't try to connect, it is only a single user system and you will either cause problems for the connected person or get a busy disconnect if he hears you. At times 90% of the downlink traffic is busy disconnect frames to everyone trying to get connected while someone is already on.

The 'S' command doesn't need a callsign, if omitted, U2MIR is used.
--GaryM

```
CMD(B/H/J/K/KM/L/M/R/S/SR/V/?)>
h
B(ye)     B [CR] disconnects you from PMS.
H(elp)    H [CR] or ? [CR] displays this help file.
J(log)    J [CR] displays a list of callsigns heard (optional date/time)
K(ill)    K n [CR] deletes message number n  (only to/from your callsign).
KM(ine)   KM[CR] deletes all READ messages addressed to your call sign.
L(ist)    L [CR] lists the 10 latest messages.
M(ine)    M [CR] lists the 10 latest messages to/from your callsign.
R(ead)    R n [CR] reads message number n.
S(end)    S (callsign) [CR] begins a message addressed  to (callsign).
          Subject: max 28 characters ending with [CR].
          Text: End each line with [CR]. End message by
           typing /ex [CR]  or  CTRL-Z [CR]
           at the beginning of a new line.
SR(eply)  SR n[CR] Sends a reply to message n prompting only for text.
V(ersion) V [CR] displays the software version of the PMS system.

CMD(B/H/J/K/KM/L/M/R/S/SR/V/?)>
```

--
Gary Morris   Internet: lescsse!gamorris@menudo.uh.edu
Lockheed, Houston, Texas   UUCP: lobster!lescsse!gamorris
Space Station Freedom   Internet: gmorris@nasamail.nasa.gov
N5QWC/W5RRR   Phone: +1 713 283 5195

From -2831300684205379197
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 22:48:15 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!nddsun1!waters
From: waters@nddsun1.sps.mot.com (Mike Waters)
Newsgroups: rec.ham-radio
Subject: Re: GPS accuracy in wake of Desert Storm?
Keywords: GPS Navigation
Message-ID: <818@nddsun1.sps.mot.com>
Date: 31 Jan 91 22:57:05 GMT
References: <846@vk2bea.UUCP> <1991Jan30.073915.6012@johnny5.uucp>
Organization: Motorola, Inc., Semiconductor Products Sector
Lines: 29

In article <1991Jan30.073915.6012@johnny5.uucp> garvey@johnny5.uucp (Joe Garvey) writes:
>
>There's nothing secret in this. Attending one trade show on this kind of
>technology will give you what I've said... and CNN has already told the
>world how accurate our missles are (which is perhaps the most important
>secret).

I suspect the S.H. knows the accuracy quite well without CNN, he has a LOT of eyewitness reports :-)

>What really intrigues me is how they got the locations so accurately. From
>a satellite picture??? Spies? Israeli's? It's one thing to measure it with
>a GPS receiver... it's quite another to calculate it. Remeber even though
>it's land it moves just like the ocean with tides, wobble of the earth,
>etc, and there are probably very few accurately measured landmarks there...
>not ones that will show up in important military photos.

I don't know how its actually done so I feel free to comment :-)

I would take a GPS receiver to some known point in the vicinity, like the U.S. embassy, and measure that point VERY accuratly. The rest can easily be scaled from satellite photos.

A course in navigation gives about a dozen ways to find your position by observing the transit of satellites in a known orbit or similar such events. I would expect that given the time that was available the information was cross checked by most of these methods.

Obviously the information was quite accurate :-)

From 8042639750697209158
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10b271,49f4feb6e9496862

X-Google-Attributes: gid10b271,public
X-Google-Thread: 105d97,49f4feb6e9496862
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-01-31 22:48:41 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!nddsun1!waters
From: waters@nddsun1.sps.mot.com (Mike Waters)
Newsgroups: rec.ham-radio,sci.electronics,sci.physics
Subject: Not quite a flame (was Re: GPS accuracy in wake of Desert Storm?
Message-ID: <819@nddsun1.sps.mot.com>
Date: 31 Jan 91 23:23:52 GMT
References: <1167.27A6BD41@w8grt.fidonet.org>
Followup-To: rec.ham-radio
Organization: Motorola, Inc., Semiconductor Products Sector
Lines: 32
Xref: gmdzi rec.ham-radio:20084 sci.electronics:11220 sci.physics:11289

In article <1167.27A6BD41@w8grt.fidonet.org> Jim.Grubs,.W8GRT@w8grt.fidonet.org
(Jim Grubs, W8GRT) writes:
>
>Jim Grubs, W8GRT - Support OPERATION DESERT STORM - the 9th Crusade!

I really hope that Jim meant this in jest! He certainly should know better if not.

For the unititiated, the crusades were one of the ugliest parts of the history of Christianity. Mostly for political purposes under the guise of religion they resulted in a greast many of the problems that thw world is still struggling with today.

Much of the hatred of "infidels" in the arab world today can be directly atributed to the appalling abuses on the native population by "Christians" during that era. Kept alive by some incredibly insensitive and inept politics on the part of Europeans and more recetly by the ambitions of power hungry Arab leaders.

I have no sympathy for Saddam Hussein, there are a great many parallels between his actions and those of Adilf Hitler, but a "9th Crusade" is hardly a good motivation for our Arabic/Islamic allies! Nor I might add our Jewish ones.

I apologize if this comes across in a heated tone, it was not intended to be a flame in any sense. I do feel strongly that the record needs setting straight however lest we get lost in a lot of pious nonsense once again.

Followups via E-mail since this is not related to any of the groups I read.

Mike Waters (on a new machine with no .sig - YET!)

From -2252353420308742280
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,bab22e66db5cb959,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 22:52:19 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!samsung!usc!elroy.jpl.nasa.gov!decwrl!mejac!orchard.la.locus.com!fafnir.la.locus.com!dana
From: dana@locus.com (Dana H. Myers)
Newsgroups: rec.ham-radio
Subject: Alternative Field 1991
Message-ID: <1991Feb1.002017.2872545@locus.com>
Date: 1 Feb 91 00:20:17 GMT
Organization: Locus Computing Corporation, Inglewood, CA
Lines: 47

Recently, I asked my brother (another radio amateur) how he wanted get together for Field Day this year. A couple of years ago I spent the weekend playing radio (not in the contest) from a friends cabin located on top of a ridge overlooking the Kern River Valley. Normally, there is a lake in the valley known as Lake Isabella, but, as of last September, the lake is dry.

I asked if possibly we should try to run a serious Field Day effort. Here is his reply:
rec.ham-radio please help us write the rules for the alternative field day?

**** start of included text ****

Subject: Field day and Laguna Seca
Status: R

I say we have our own points system based upon how many contacts made per how many beers consumed. This means we keep track of how many beers we drink at what time, then look at the logbook (logbook?) and give points to each contact based upon how sauced we were when doing the contact, and how much useful information we were able to record from the QSO. An extra bonus point should be given if a QSO is successfully performed with another intoxicated operator.
Also, a special points category, Coffee Induced QSO points will be structured to deal with QSOs made after drinking a pot of Kenya made Daren-style.
[ed: Daren-style is about 4 times too strong for people who like strong coffee]
Myself, I prefer the luxury of being indoors at a place like [name of person who owns cabin], where there is a refrigerator to keep the brews cold.

**** end of included text ****

Daren (my brother) has asked me to solicit input regarding his alternative points system. He has also asked if other amateurs are interested in

participating in this "contest in a contest". Please reply privately
to me with any input, even the phone number of the local Al-Anon chapter.

```
--
 * Dana H. Myers KK6JQ      | Views expressed here are  *
 * (213) 337-5136      | mine and do not necessarily   *
 * dana@locus.com      | reflect those of my employer   *
```

From 2468123077072830286
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aa6a3f59af6263fe,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 22:54:49 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!spool.mu.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!ULKYVX.BITNET!MEHARP01
From: MEHARP01@ULKYVX.BITNET (Michael Harpe)
Newsgroups: rec.ham-radio
Subject: Another 50 KW station
Message-ID: <C79612952B9FC04E94@ulkyvx.bitnet>
Date: 31 Jan 91 14:53:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12

Let's also not forget WHAS-AM 840 KHz Louisville, KY...

They used to be known as "The Cuddly Giant...." I am not sure if 840 is
still c
   onsidered a "clear channel" or not. I know it was at one time.
WHAS has a map in their studio with pins for confirmed QSL's. They have
43 stat
   es confirmed. I have personally copied them in Colorado and
Nevada on a car radio at night.

Mike Harpe
University of Louisville

From 1333977620644106311
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f90dc4e412e1aa1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9f90dc4e412e1aa1
X-Google-Attributes: gid114aac,public
X-Google-Thread: fb9af,9f90dc4e412e1aa1
X-Google-Attributes: gidfb9af,public
X-Google-Thread: 10ed7b,5ac16733c2a83cec,start
X-Google-Attributes: gid10ed7b,public
X-Google-Thread: 10f3ae,9f90dc4e412e1aa1
X-Google-Attributes: gid10f3ae,public

X-Google-Thread: f5d40,9f90dc4e412e1aa1
X-Google-Attributes: gidf5d40,public
X-Google-Thread: fbf1a,5ac16733c2a83cec,start
X-Google-Attributes: gidfbf1a,public
X-Google-ArrivalTime: 1991-01-31 23:10:25 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!samsung!usc!apple!vsi1!zorch!xanthian
From: xanthian@zorch.SF-Bay.ORG (Kent Paul Dolan)
Newsgroups: alt.conspiracy,alt.folklore.urban,rec.radio.shortwave,rec.ham-radio,talk.rumors,talk.bizarre,alt.flame
Subject: PlatiGaia
Re: Radio Signals from Space?!?
Message-ID: <1991Feb1.011103.29708@zorch.SF-Bay.ORG>
Date: 1 Feb 91 01:11:03 GMT
References: <1290@pdxgate.UUCP> <1916@cluster.cs.su.oz.au> <8638@hub.ucsb.edu>
Organization: SF-Bay Public-Access Unix
Lines: 29
Xref: gmdzi alt.conspiracy:2829 alt.folklore.urban:7477 rec.radio.shortwave:4049 rec.ham-radio:20087 talk.rumors:166 talk.bizarre:2107 alt.flame:13871

raf@karl.cs.su.OZ.AU (A Stainless Steel Rat) writes:

> It sounds like a great UL to me. I mean, how would anyone know about
> it if NASA didn't want them to? I'd better read the book. Has anyone
> else heard this?

6600galt@ucsbuxa.ucsb.edu (Who Is John Galt?) writes:

> The fact is, all the moon pix are fake. We've never been there. The
> earth is flat.

Aw, you went and spoiled the practical joke. After all the money we blew on joy buzzers and active lens covers for telescopes and whoopie cushions and radio repeaters and dribble glasses and shuttle flight model making and squirting lapel flowers and stellar domes to convince these poor gullible earthmen their world was round, too...

I was really looking forward to the looks on their faces when we pulled the planet out from under them.

You're really going to get a piece of my mind when we get back to the saucer; have you taken your immunosuppressent pills this millenium, or are you going to reject my advice again?

Kent, the "man" from xanth.
<xanthian@Zorch.SF-Bay.ORG> <xanthian@well.sf.ca.us>
--
I'll bet you're _still_ wondering where xanth is? Second star to the right, fly on 'til morning. We believe in broad hints for bozos.

From -7909082009452882281
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,c65f4c523163363c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 23:13:42 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: U2MIR
Message-ID: <9102010608.AA13520@ucsd.edu>
Date: 1 Feb 91 06:06:27 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4

I had packets from U2MIR-1 on my screen when I got home.
He apparently went over about 13:48 PST.
I left the rig on 145.55 when I went to work this morning.
73, doug

From -6883390363661184944
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eb67d9be71fe0ba5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-31 23:34:29 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!att!pacbell.com!ucsd!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: GEOMAGNETIC STORM WARNING INFORMATIONAL UPDATE
Message-ID: <910131231959.2ae000b8@HG.ULeth.CA>
Date: 1 Feb 91 06:19:59 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 102

****
***   GEOMAGNETIC STORM WARNING UPDATE   ***
****

01 February, 1991

Informational Update

ATTENTION:

Further analysis has been performed on potential impacts from the major energetic flare of 31 January. A major geomagnetic storm is still anticipated. The main phase of the storm is expected to occur either late on 01 February (UT time) or early on 02 February. A sudden storm commencement (SSC) is expected to precede this storm.

The intensity of the predicted storm has been downgraded from potential planetary A-index values of 80 to betweeen 40 and 65. Higher latitudes will experience more intensive storming and higher magnetic A-index values. Translated, these figures mean that middle and low latitudes will experience major to high-intensity minor storming. A risk does still exist for possible brief bursts of severe storming over middle and low latitudes, although this is looking less likely now than it did 24 hours ago. High latitudes will experience major storming with possible frequent periods of severe storming.

People should note that the accuracy of predicting magnetic activity from major flares is a very difficult task dependent on many unknowns. Hence, there is a risk that the magnetic storm may not be quite as intense as is predicted. On the other hand, there is also a risk that magnetic storming could exceed the values predicted.

ALL OF THE WARNINGS WHICH WERE ISSUED ON 31 JANUARY REMAIN IN EFFECT. The probability for a magnetic storm is very high (80% or better). People who could be affected should continue to be on the alert for changes in conditions. A magnetic storm alert will be posted if magnetic storming occurs.

To calm the fears which these warnings may have caused for people who are unaware or uneducated about these types of phenomena, please note that these events pose no threat to humans. They do represent significant threats, however, to the equipment and networks which we have established on earth. Communications is particularly susceptible to heavy impacts. However, no one should worry about receiving dangerous doses of radiation or other dangerous elements from the major flares and geomagnetic storms which occur. The earth has excellent natural protection mechanisms to protect us against any harm. Unfortunately, the equipment we have established and use (such as the electricity we consume, communications and satellite functions) can be threatened by this sort of activity. Damage to the equipment of susceptible industries can occur if appropriate safeguards are not taken. This is the reason the warnings are issued.

Additional information: Satellite altitude protons increased to event levels at 06:00 UT on 31 January. They peaked at 240 p.f.u. at 16:20 UT on 31 January. They have been declining since then and are now at levels below 65 p.f.u. (still way above the event threshold). They are expected to continue declining unless another major proton flare occurs.

A polar cap absorption (PCA) event occurred on 31 January and is presently in progress. Significant degradation in high-latitude and polar region radio propagation has resulted and is expected to continue for the next 36 to 48 hours (after the magnetic storm has passed). Significant degradation in middle and low latitude radio propagation conditions are still expected during the main phase of the expected geomagnetic storm on 02 February. Near blackout conditions could be experienced over the polar and high latitude regions, particularly during the sunlit periods of the day. Middle and low latitudes will suffer significant absorption, noise and very strong signal flutter and fading. However, there is a good possibility for some auroral backscatter communications on VHF frequencies over middle and high latitudes (possibly even stretching into the lower latitudes). Radio conditions should begin returning to more normal conditions during the post-storm residual magnetic activity, sometime late on 03 January to 04 January.

Auroral storming is expected to begin sometime during the evening hours on 02 February for North American observers. Observers in the UK and Europe should witness the onset of the main phase of the geomagnetic and auroral storm in the early morning hours of 02 February (local time - possibly earlier). The leading edge of the auroral zone is expected to migrate southward to lie over regions near 45 to 55 degrees north latitude (there is a slight risk it could migrate further south, but this is not currently anticipated). Low latitude auroral observations will be possible during the main phase of this storm, particularly during the moonless hours of the evenings (the moon rises roughly around 21:00 local time on 02 February).

Reports of auroral and/or radio condition observations would be appreciated. Please send descriptive reports (stating location, observation time, and observational summaries) to "std_oler@hg.uleth.ca". Thanks.

Major flaring is still very likely over the next 24 to 72 hours. Several regions (namely, regions 6462 (S18W57), 6466 (S09W53), 6469 (S13W40), and 6471 (S12E02)) remain very capable of producing major energetic activity. There is still a high probability for further proton flaring from any of these regions. Hence, the risk for future strong satellite proton events and/or PCA event activity remains high.

** End of Warning **

From 1870891424174642OO
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-01 04:19:01 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!emory!gatech!
usenet.ins.cwru.edu!mcs.kent.edu!neoucom.edu!wtm
From: wtm@uhura.neoucom.EDU (Bill Mayhew)
Newsgroups: rec.ham-radio
Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <1991Feb01.025108.14301@uhura.neoucom.EDU>
Date: 1 Feb 91 02:51:08 GMT
References: <1321@catnip.berkeley.ca.us> <1991Jan30.232701.25602@amd.com>
<abeals.665346620@melange>
Organization: Northeastern Ohio Universities College of Medicine
Lines: 19

... or Saddam reads Aviation Week, for instance. About 10 years ago, I worked for a certain US Gov't security agency. I was assigned to work on a project involving satellite technology. I was given a copy of Aviation Week to read as a primer on the project. Funny thing was that the project had a classification level of Secret.

You may be assured that discussing the characteristics of GPS here is not going to yield any information that Iraq's military doesn't already know.

==Bill==

--
Bill Mayhew   NEOUCOM Computer Services Department
Rootstown, OH 44272-9995 USA   phone: 216-325-2511
wtm@uhura.neoucom.edu   ....!uunet!aablue!neoucom!wtm
via internet: (140.220.001.001)

From 7671686175158045945
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a2ca3fd65113b16,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-01 05:06:34 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!caen!uakari.primate.wisc.edu!ames!sparkyfs.erg.sri.com!usasoc.soc.mil!aero!obrien
From: obrien@aero.aero.org (Michael O'Brien)
Newsgroups: rec.ham-radio
Subject: North American 85 DXpedition
Message-ID: <98952@aerospace.AERO.ORG>
Date: 31 Jan 91 22:14:49 GMT
Sender: news@aerospace.aero.org
Reply-To: obrien@aero.aero.org (Michael O'Brien)
Organization: The Aerospace Corporation
Lines: 6

On 15 meters, I just worked k5mk/4, announcing himself as the "North American 85 Expedition to St. George Island". I've never heard of this - anybody have any further information?
--
Mike O'Brien
obrien@aerospace.aero.org

From -6309542501390728365
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f525792c1117e089
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-01 05:09:05 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: RTTY SWL Question (9Mhz band)

Message-ID: <58130020@hpcupt1.cup.hp.com>
Date: 31 Jan 91 20:10:54 GMT
References: <2422@shodha.enet.dec.com>
Organization: Hewlett Packard, Cupertino
Lines: 7

If you are copying military RTTY broadcasts, they are encrypted and will
print pure garbage. I am not sure the military still uses HF RTTY
broadcasts, but they did about 15 years ago. The shifts were 170 Hz,
the characters were 5-level baudot and for all purposes and intents were
real characters. It just looked like a monkey was at the keys!
73's, Jim, WA6SDM
holly@hpcupt1.cup.hp.com

From 2996151923010546887
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5f95c6db9aca107e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c349,5f95c6db9aca107e,start
X-Google-Attributes: gid10c349,public
X-Google-ArrivalTime: 1991-02-01 05:11:03 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!
caen!sdd.hp.com!usc!elroy.jpl.nasa.gov!ames!uhccux!munnari.oz.au!goanna!
minyos.xx.rmit.oz.au!chudich!rcosj
From: rcosj@chudich.co.rmit.oz (John Simmons)
Newsgroups: rec.ham-radio,aus.radio
Subject: info wanted on dual-band (V/UHF) mobile transceivers
Keywords: dual-band tranceivers mobile
Message-ID: <1991Feb1.075259.1661@minyos.xx.rmit.oz.au>
Date: 1 Feb 91 07:52:59 GMT
Sender: rxxgpf@minyos.xx.rmit.oz.au (Greg Farrelly)
Followup-To: poster
Organization: RMIT Computer Centre, Melbourne Australia.
Lines: 38
Xref: gmdzi rec.ham-radio:20094

G'day radio folks.

I'm considering buying a dual-band (2m/70cm) transceiver for my car,
and I am wondering which one to buy.

So far I am aware of the Icom IC-3220 and IC-2400, Yaesu FT-4700 and two
models by Kenwood (I forget their numbers for the moment, but I believe
they are similar to Icom's two radios).

Are there any other brands/models that I should consider?

Has anyone heard of new models soon to be released that are worthy of
a short wait?

Does anyone have any comments to make on any of these radios?

Do any of them have extra (bonus/freebie) features that I should be aware of (eg wide-band receive etc)?

Does anyone have any comments from a users perspective (eg are they 'user friendly', easy to operate in the dark / while mobile, do the knobs fall off, etc)?

I recently bought an IC-24AT HT and am now sold on the idea of dual-band radios. This is a great little radio, although in my opinion it is just a touch 'user un-friendly'. Specs-wise it's terrific.

Thanks in advance

John Simmons (VK3KJG) Ph. 660 2619   Royal Melbourne Institute of Tech.
System Administrator Fax 662 1060   (Victoria University of Technology)
PO Box 2476V
ACSnet: rcosj@chudich.co.rmit.oz   Melbourne 3001 Australia
CSNET: rcosj@chudich.co.rmit.oz.aus
ARPA: rcosj%chudich.co.rmit.oz.au@uunet.uu.net
BITNET: rcosj%chudich.co.rmit.oz.au@CSNET-RELAY
UUCP: ...!uunet!munnari!chudich.co.rmit.oz.au!rcosj

From 5052229235755368810
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f90dc4e412e1aa1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-01 05:28:07 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!rpi!batcomputer!cornell!uw-beaver!zephyr.ens.tek.com!tektronix!sequent!mntgfx!mbutts
From: mbutts@mentorg.com (Mike Butts)
Newsgroups: rec.ham-radio
Subject: Re: Radio Signals from Space?!?
Message-ID: <1991Jan31.222640.6328@mentorg.com>
Date: 31 Jan 91 22:26:40 GMT
Organization: engr
Lines: 12

I hear radio signals from outer space all the time!

I talk back to them too!

(DX via OSCAR 13)

73 de KC7IT

--
Michael Butts, Research Engineer   KC7IT   503-626-1302(fax:1282)
Mentor Graphics Corporation, 8500 SW Creekside Place, Beaverton, Oregon   97005
...tektronix!sequent!mntgfx!mbutts   uunet!mntgfx!mbutts   mbutts@mentor.com
Any opinions are my own, and aren't necessarily shared by Mentor Graphics Corp.

From -1417220091924912240
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,49f4feb6e9496862
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-02-01 07:13:50 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <2080@ke4zv.UUCP>
Date: 1 Feb 91 15:13:50 GMT
References: <1154.27A2ECFD@w8grt.fidonet.org>
<1991Jan29.044137.20914@zoo.toronto.edu> <1321@catnip.berkeley.ca.us>
<1991Jan30.232701.25602@amd.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Followup-To: rec.ham-radio
Organization: Gannett Technologies Group
Lines: 13
Xref: gmdzi rec.ham-radio:20148 sci.electronics:11252

In article <1991Jan30.232701.25602@amd.com> phil@brahms.amd.com (Phil Ngai) writes:
>In article <1321@catnip.berkeley.ca.us> bandy@catnip.berkeley.ca.us (Gun Control is Hitting Your Target) writes:
>|So, Henry, how do you know that Saddam already knows this?
>
>Let's see, if Saddam doesn't have a GPS, it doesn't matter to him
>how accurate the GPS he doesn't have is. If he does have a GPS,
>it's not going to be hard to find out how accurate it is, assuming
>he knows the coordinates of at least one location he has access to.

Even easier, if he has a GPS receiver, it's all explained in the manual.
At least it is in the manuals for the ones we have.

Gary KE4ZV

From -2861947880500458709
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcac4daa4d00f5fa
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6c37ee251c4a908
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-02-01 07:50:13 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!spool.mu.edu!think.com!linus!philabs!ttidca!paulb
From: paulb@ttidca.TTI.COM (Paul Blumstein)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Medium Wave "clear channels" (was: CNN on shortwave)
Message-ID: <23033@ttidca.TTI.COM>

Date: 31 Jan 91 18:05:56 GMT
References: <1991Jan19.061838.9721@cbnewsj.att.com>
<1991Jan21.072332.25223@ux1.cso.uiuc.edu> <2003@ke4zv.UUCP>
<1991Jan25.233943.18140@informix.com>
Organization: The Argument Clinic [no it isn't]
Lines: 27
Xref: gmdzi rec.ham-radio:20096 rec.radio.shortwave:4063

In article <1991Jan25.233943.18140@informix.com> randall@informix.com (Randall
Rhea) writes:
+In article <2003@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
+>
+>............ Also, the intent of the 50,000 watt clear channel rules in
+>the AM band is to allow regional broadcast coverage already. At least for
+>the eastern two thirds of the US, WHO in Des Moine covers this nicely.
+>Their slogan is "From border to border and coast to coast and then some".
+>Other wide coverage stations are WLS Chicago, WOWO Ft. Wayne, WWL in New
+>Orleans, WBZ Boston, WLW Cincinati, and good old WSB in Atlanta. There
+>are several more, but those are the ones I listen to on occasion.
+>
+
+Add KFI 640 Los Angeles to that list.

And KNX 1070 also in Los Angeles. And KGO in San Francisco.
KOMA 1520 in Oklahoma City. KTN? in Windom, Arizona. I forgot the
freqs of the 2 not mentioned. The KTN{something} has the TN
standing for "Trucker's network". It is part of a network of high
powered stations (this one on Rt 10) for cross-country truckers.
Mostly country music & news.

```
======================================================================
Paul Blumstein    |    This is your brain-> C
Citicorp/TTI      |    This is your brain on bad acid-> RPG
Santa Monica, CA  +---------------------------------------------------
{rutgers,philabs,psivax,pyramid}!ttidca!paulb  or  paulb@tti.com
FINAL WORD: Some hogs are kosher: Harley-Davidson
```

From 397387466023379919
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,716ff5f4244bc0d6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,716ff5f4244bc0d6,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-02-01 11:01:28 PST
Path: gmdzi!unido!mcsun!uunet!tfsg!dennis
From: dennis@tfsg.UUCP (Dennis Gibbs)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: R390A
Keywords: Diversity Mode
Message-ID: <1004@tfsg.UUCP>
Date: 1 Feb 91 17:57:47 GMT
Followup-To: poster

Organization: TRW Inc., Chantilly, VA
Lines: 17
Xref: gmdzi rec.radio.shortwave:4065 rec.ham-radio:20098

<>

With all the recent talk regarding the R390A, I thought now would be the appropriate time to ask this question:

How do you connect two R390As in diversity mode? The manuals I have only show a block diagram with no details. I would like to know exactly what do I have to do to connect two of these in diversity mode...

Anyone have any information on this?

Thanks

Dennis Gibbs
(703) 802-1961
...uunet!tfsg!dennis

From -6314873762923632689
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bb68a4747e46873,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10b271,3bb68a4747e46873,start
X-Google-Attributes: gid10b271,public
X-Google-Thread: 105d97,3bb68a4747e46873,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-02-01 11:16:12 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio,sci.electronics,sci.physics
Subject: a
Message-ID: <1170.27A95299@w8grt.fidonet.org>
Date: 1 Feb 91 17:51:17 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 29
Xref: gmdzi rec.ham-radio:20099 sci.electronics:11227 sci.physics:11293

> From: waters@nddsun1.sps.mot.com (Mike Waters)
> Date: 31 Jan 91 23:23:52 GMT
> Organization: Motorola, Inc., Semiconductor Products Sector
> Message-ID: <819@nddsun1.sps.mot.com>
> Newsgroups: rec.ham-radio,sci.electronics,sci.physics
>
> In article <1167.27A6BD41@w8grt.fidonet.org> Jim.Grubs,
> .W8GRT@w8grt.fidonet.org (Jim Grubs, W8GRT) writes:
> >
> >Jim Grubs, W8GRT - Support OPERATION DESERT STORM - the 9th Crusade!

>
> I really hope that Jim meant this in jest! He certainly should know
> better if not.

Certainly, one of the major purposes of the Ninth Crusade should be to clean up the mess left behind by the first eight.... We can hope anyway.

In any event, my point was to call attention to the fact that possibly Saddam Hussein but certainly many other moslem leaders do, as you pointed out, think of the present situation as an outgrowth of and continuation of the struggles that began in the 11th century. It also was intended to call attention to the fact that people in the Middle East hold a grudge longer than most anyone else you can think of.

--
Jim Grubs - Support OPERATION DESERT STORM - the 9th Crusade!
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 4830790321048490954
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f90dc4e412e1aa1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10f3ae,9f90dc4e412e1aa1
X-Google-Attributes: gid10f3ae,public
X-Google-Thread: 114aac,9f90dc4e412e1aa1
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-02-01 11:21:34 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!tjw
From: tjw@unix.cis.pitt.edu (TJ Wood WA3VQJ)
Newsgroups: alt.folklore.urban,rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Signals from Space?!?
Message-ID: <86386@unix.cis.pitt.edu>
Date: 1 Feb 91 16:18:50 GMT
References: <1290@pdxgate.UUCP> <1916@cluster.cs.su.oz.au> <8638@hub.ucsb.edu> <1991Jan31.204504.3643@news.larc.nasa.gov>
Reply-To: tjw@unix.cis.pitt.edu (Terry J. Wood)
Organization: University of Pittsburgh, CIS
Lines: 14
Xref: gmdzi alt.folklore.urban:7502 rec.radio.shortwave:4067 rec.ham-radio:20100

In article <1991Jan31.204504.3643@news.larc.nasa.gov> kludge@grissom.larc.nasa.gov (Scott Dorsey) writes:

>Of course it's true. I've got a QSL card from Mars myself...

That must have been from W3LAT, "the man from Mars!", (Pennsylvania).

Ralph is a silent-key.

Terry

--
INTERNET: tjw@unix.cis.pitt.edu BITNET: TJW@PITTVMS CC-NET: 33802::tjw
UUCP: {decwrl!decvax!idis, allegra, bellcore}!pitt!unix.cis.pitt.edu!tjw
 And if dreams could come true, I'd still be there with you,
 On the banks of cold waters at the close of the day. - Craig Johnson

From -2475056983604405337
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-01 11:30:50 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!think.com!hsdndev!husc6!encore!jcallen
From: jcallen@Encore.COM (Jerry Callen)
Newsgroups: rec.ham-radio
Subject: Proposed self-censorship (was GPS accuracy)
Message-ID: <13963@encore.Encore.COM>
Date: 1 Feb 91 16:13:23 GMT
References: <1154.27A2ECFD@w8grt.fidonet.org>
<1991Jan29.044137.20914@zoo.toronto.edu> <1321@catnip.berkeley.ca.us>
<1991Jan30.232701.25602@amd.com> <abeals.665346620@melange>
Reply-To: jcallen@encore.Com (Jerry Callen)
Organization: Encore Computer Corp, Marlboro, MA
Lines: 9

If Iraqi agents can read Usenet news then they surely have better ways of getting information on GPS, such as any university library. Or should we just shut down the whole frigging net until the war is over?

I've stopped being amazed by people who want to censor information that is already widely available; they're just too numerous.

-- Jerry Callen
   jcallen@encore.com

From -4389645101409591815
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,49f4feb6e9496862
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-02-01 13:41:49 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio,sci.electronics
Subject: GPS accuracy in wake of Desert Storm?
Message-ID: <1172.27A97FF9@w8grt.fidonet.org>
Date: 1 Feb 91 20:56:20 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 22
Xref: gmdzi rec.ham-radio:20102 sci.electronics:11230

> From: henry@zoo.toronto.edu (Henry Spencer)
> Date: 31 Jan 91 16:57:57 GMT
> Organization: U of Toronto Zoology
> Message-ID: <1991Jan31.165757.19929@zoo.toronto.edu>
> Newsgroups: rec.ham-radio,sci.electronics
>
> In article <1321@catnip.berkeley.ca.us> bandy@catnip.berkeley.ca.us (Gun
> Control is Hitting Your Target) writes:
> >So, Henry, how do you know that Saddam already knows this?
>
> Because it's public information.

You're willing to endanger lives just to prove you have a right to shoot your mouth off anytime you choose? Being 'right' about abstract consitutional principles is not worth somebody's life. It would be different if you were gambling only YOUR life. You're playing games with someone else's life.

--
Jim Grubs - Support OPERATION DESERT STORM - the 9th Crusade!
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 3513067666419842719
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8a0001ec91ede805,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8a0001ec91ede805,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 105d97,8a0001ec91ede805,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-02-01 16:43:35 PST
Path: gmdzi!unido!mcsun!uunet!olivea!apple!autodesk!abeals
From: abeals@Autodesk.COM (Segments Are For Worms)
Newsgroups: sci.electronics,rec.radio.shortwave,rec.ham-radio
Subject: where to get Mallory SXM 2.5% tolerance capacitors?
Message-ID: <2441@autodesk.COM>
Date: 1 Feb 91 21:30:37 GMT
Sender: news@Autodesk.COM
Followup-To: poster
Lines: 18
Xref: gmdzi sci.electronics:11232 rec.radio.shortwave:4069 rec.ham-radio:20104

I'm trying to build the 10-element BC band filter from the back of the '90 ARRL Handbook. I was able to procure all of the other components at Electronics Plus in San Rafel [close to work], but they didn't carry 2.5% capacitors.

So, suggestions? I'm willing to mail-order. I need 7 of them, which should help with a "minimum order" situtation.. I have the feeling that they're not going to be cheap. Bay Area walk-in places preferred.

Of course, having 1250AM blasting all over my SW reciever is no fun, so
what the hay. My soldering iron has been lonely recently.

Thanks in advance.
     Andy Beals
     415 289 4850
--
Andrew Scott Beals
abeals@autodesk.com

From -5986413793726356864
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,556ad901e018dc61
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-01 17:31:05 PST
Path: gmdzi!unido!mcsun!uunet!shelby!unix!snmp.sri.com!larson
From: larson@snmp.sri.com (Alan Larson)
Newsgroups: rec.ham-radio
Subject: Re: wireless video extenders (insides?)
Message-ID: <20684@unix.SRI.COM>
Date: 1 Feb 91 18:53:57 GMT
References: <6403.27A20D9F@urchin.fidonet.org>
Sender: news@unix.SRI.COM
Organization: SRI International, Menlo Park
Lines: 11

In article <6403.27A20D9F@urchin.fidonet.org>
Christopher.Boone@f8324.n106.z1.fidonet.org (Christopher Boone) writes:

--> I hope if you do put on of those DAK units on the air, YOU will invest
--> in a VSB filter!!! :).......I wish everyone who had bought the noisy
--> PC Electronics stuff on 440 would have done the same!!
--> ATV Without a VSB filter = shoot the operator!!!

What sort of TV transmitter / VSB filter combination do you use?
Where do you get them?

        Alan

From -1842310593175063572
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,686a71a93103fed5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-01 17:36:07 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!MVS.OAC.UCLA.EDU!CSMSCST
From: CSMSCST@MVS.OAC.UCLA.EDU (Chris Thomas, AA6SQ)
Newsgroups: rec.ham-radio
Subject: Re: "North American 85"
Message-ID: <9102011749.AA29685@ucsd.edu>
Date: 1 Feb 91 17:48:00 GMT

Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11
Posted: Fri Feb 1 09:48:00 1991

"NA-85" sounds like an IOTA designator, which is a
two-letter continent followed by a number. IOTA stands for
Islands On The Air, and is a program similar to DXCC
sponcered by (I believe) the RSGB. Essentially, any island
anywere qualifies as a "country". As you can imagine, there
are many more islands than DXCC countries. This makes IOTA
much more chalanging - it would be pretty hard to have
worked all the islands in the world. It also makes for
cheap DXpeditions -- Catalina Is, 30 mi sw of Los Angeles,
for example. If you hear a pileup on some otherwise not
rare DX, he may be on a new IOTA island.

From -9188144214977591826
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bab22e66db5cb959
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-01 17:52:29 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!pa.dec.com!hollie.rdg.dec.com!
ryn.mro4.dec.com!ultnix.enet.dec.com!taber
From: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Newsgroups: rec.ham-radio
Subject: Re: Alternative Field 1991
Message-ID: <3881@ryn.mro4.dec.com>
Date: 1 Feb 91 14:34:33 GMT
References: <1991Feb1.002017.2872545@locus.com>
Sender: guest@ryn.mro4.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Organization: KC1TD@KB4N.NH.USA.NA.EARTH.SOLAR_SYSTEM.UNIVERSE.MIND_OF_GOD
Lines: 51

In article <1991Feb1.002017.2872545@locus.com>, dana@locus.com (Dana H.
Myers) writes:
|>
|>I say we have our own points system based upon how many contacts
|>made per how many beers consumed. This means we keep track of
|>how many beers we drink at what time, then look at the logbook
|>(logbook?)
|>and give points to each contact based upon how sauced we were when
|>doing
|>the contact, and how much useful information we were able to record
|>from the QSO. An extra bonus point should be given if a QSO is
|>successfully performed with another intoxicated operator.
|>Also, a special points category, Coffee Induced QSO points will be
|>structured to deal with QSOs made after drinking a pot of
|>Kenya made Daren-style.
|>[ed: Daren-style is about 4 times too strong for people who like
|> strong coffee]

|>Myself, I prefer the luxury of being indoors at a place like [name of
|>person who owns cabin], where there is a refrigerator to keep the
|>brews
|>cold.
|>

I think you probably need some category multipliers. For example, the guy who can pull off a successful QSO without RF burns over 90% of his body after 5 shots of grain alcohol deserves more points than the guy who just had 5 Lites.

Probably three divisions:

A - people drinking hard liquor or drinks composed of greater than 50% hard liquor by volume. (3x multiplier)

B - people drinking standard beer. (2x)

C - people drinking lite beer or drinks with little paper umbrellas in them (1x)

and maybe a fourth division

D - people drinking bottled spring water (0x)

Total field day score to be multiplied by the appropriate number before submission.
--
>>>==>PStJTT
Patrick St. Joseph Teahan Taber,
KC1TD

If I was authorized to speak for my employer, I'd be too important to waste my time on this crap....

From -8044739134488944482
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15dac77aa796c78a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,15dac77aa796c78a,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1991-02-01 18:07:49 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!uwm.edu!rutgers!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: * SpaceNews 04-Feb-91 *
Keywords: U2MIR-1, NOAA Satellites
Message-ID: <409@ka2qhd.UUCP>
Date: 2 Feb 91 02:07:49 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 145
Xref: gmdzi rec.ham-radio:20157 sci.space:19464

SB SPACE @ ALLBBS < KD2BD $SPC0204
* SpaceNews 04-Feb-91 *

Bulletin ID: $SPC0204

SpaceNews

MONDAY FEBRUARY 4, 1991

SpaceNews originates at KD2BD in Wall Township, New Jersey, USA. It is published every week and is made available for unlimited distribution.

* U2MIR-1 NEWS *

Packet Radio (AX.25) communications from Mir appear to be taking place on a regular basis over a frequency of 145.550 MHz. A brief connection with U2MIR-1 was made by KD2BD on 28-Jan-91 at 16:59:25 UTC using an indoor 4-element quagi and 7 watts of transmitter power. Signals from Mir are STRONG. U2MIR is probably running at a power level of 20 watts.

A large number of stations have been able to connect with Mir. The TNC in use on Mir can be said to have a very short "fuse". Packets are sent very rapidly, and if acknowlegements are not received within a short period of time, U2MIR-1 sends disconnect frames and clears its buffers through its unprotocol address (CQ). Groundstations can also digipeat through either U2MIR or U2MIR-1.

Once connected to U2MIR-1, the BBS responds as follows:

```
  Logged on to U2MIR's Personal Message System

  CMD(B/H/J/K/KM/L/M/R/S/SR/V/?)>
```

Successful mail sessions are ended with a response such as:

```
  Message saved as Msg # 78
```

The U2MIR-1 BBS also keeps a journal of all stations heard and connected to, but the clock and calendar of this function does not yet seem to be set. For example, log listings are given as:

```
  KA9NMD         00/00/00 00:00
  KD2BD          00/00/00 00:00
```

Stations wishing to connect with U2MIR-1 should bear in mind that Musa may come on voice at any time, so it is considered a BAD practice to send connect packets until packet signals from U2MIR are first heard. There also seems to be a very large variation in downlink signals from Mir. It is sometimes helpful to open your receiver squelch during weak signal periods to prevent your TNC from sending packets and exceeding its retry count without having a chance of being heard by U2MIR due to changes in spacecraft attitude and the resulting QSB. Programmable transceivers should be used to transmit 5 KHz lower and receive 5 KHz higher than 145.550 MHz at the time of AOS, move to 145.550 MHz at TCA, and receive low and transmit high until LOS, in order to compensate for doppler effect.

* NOAA SATELLITES *

NOAA weather satellites transmit weather images taken in both visible and infra-red light from low-Earth orbit on a regular basis. NOAA-12 is expected to be launched on 14-May-91 at 1552 UTC.

The current series of NOAA satellites transmit APT on the following VHF frequencies:

NOAA- 9: 137.620 MHz
NOAA-10: 137.500 MHz
NOAA-11: 137.620 MHz

Odd numbered NOAA satellites can be copied during the mid-afternoon and early morning hours. Even numbered NOAAs can be copied during the mid-morning and mid-evening hours, local time.

* NOAA NEWS *

NOAA is developing a directory of resources for earth observation in education. The directory is one of several educational projects NOAA is undertaking as part of International Space Year (ISY) - 1992. The directory will serve as a resource on how imagery from environmental satellites is being used in schools to enhance learning. The core of the directory will consist of a listing of schools worldwide that use real time satellite imagery with a brief description of how the imagery is used in classroom instruction. In addition, the directory will contain a section on curriculum materials developed by teachers, a listing of current manufacturers of hardware and software for receiving and processing satellite images, and a bibliography on educational applications of environmental satellites.

Any information that the users of NOAA satellite data, can provide in support of this effort would be greatly appreciated. If you know of any schools or teachers who are using environmental satellite data in their curriculum, please let NOAA know. Drop a letter or postcard to NOAA Educational Affairs Office, Federal Building #4 Room 0158, Washington, DC 20233; or call 301-763-4690 (24 hours a day) and leave a message with Ms.

Arlette Washington.

* TNX QSL! *
============

A special thanks to all those who sent QSLs and letters to SpaceNews:

PA0HTR : Henk Kanon, Den Helder, Netherlands
WA1STO : Rosalie White, ARRL, Newington, Connecticut, USA

...and e-mail messages:

KZ1Z, KA2SZO, K3ORC, KC6GWQ

* FEEDBACK WELCOMED *
=====================

Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

```
INTERNET : kd2bd@ka2qhd.de.com
PACKET   : KD2BD @ NN2Z.NJ.USA.NA
UUCP     : ...uunet!rutgers!ka2qhd!kd2bd

MAIL     : John A. Magliacane, KD2BD
           Department of Electronics Technology
           Advanced Technology Center
           Brookdale Community College
           765 Newman Springs Road
           Lincroft, New Jersey 07738
           U.S.A.
```

/EX

```
--
John A. Magliacane                 FAX  : (908) 747-7107
Electronics Technology Department  AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College        UUCP : ...!rutgers!ka2qhd!kd2bd
Lincroft, NJ  07738  USA           VOICE: (908) 842-1900 ext 607
```

From -4333807181100474319
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f525792c1117e089
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-01 19:51:32 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: RTTY SWL Question (9Mhz band)
Message-ID: <254@platypus.uofs.edu>

Date: 1 Feb 91 17:54:08 GMT
References: <2422@shodha.enet.dec.com> <58130020@hpcupt1.cup.hp.com>
Organization: University of Scranton, Scranton, PA
Lines: 15

15 years ago most military (Army at least) rtty was 850hz shift. They were just starting to move at that time to what they liked to call NSK (Narrow Shift Keying) at 85hz. Too the best of my knowledge the primary users of 170hz shift was and is hams. (Of course MARS used ham gear and therefore 170hz.)

bill KB3YV (ex DA1WO and ex MOS 05B and 05C)

--

```
     Bill Gunshannon          |        If this statement wasn't here,
     bill@platypus.uofs.edu   |  This space would be left intentionally blank
```

From 959465368847681728
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,365bac818315ea07
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-01 20:36:48 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!cs.utexas.edu!oakhill!nddsun1!waters
From: waters@nddsun1.sps.mot.com (Mike Waters)
Newsgroups: rec.ham-radio
Subject: Re: Seeking info on keys, keyers, paddles, etc.
Message-ID: <822@nddsun1.sps.mot.com>
Date: 1 Feb 91 16:46:53 GMT
References: <28240.27a69d5a@kuhub.cc.ukans.edu>
Organization: Motorola, Inc., Semiconductor Products Sector
Lines: 58

In article <28240.27a69d5a@kuhub.cc.ukans.edu> heacock@kuhub.cc.ukans.edu (Doug Heacock) writes:
>Years ago my dad used a telegraph-style key for sending Morse code.
>He called himself a "brass-pounder" and said he didn't care too much
>for using the "bug." In what little reading I've done so far, I've
>gathered that what he called a "bug" is a keyer paddle. I've also run
>across the term "iambic paddle" here and there, and I think I know
>what an electronic keyer is. Is there anyone out there who would be
>willing to explain the relative merits of these various devices, and
>perhaps clarify the terminology for an aspiring CW'er?

Well lets see. Most basic is the "straight key" which is what I think you mean by "telegraph-style key". Generally with some form of up/down motion and endless variants. Push down you send a signal (mark) let go you stop (space). Most modern versions are based on the WW-II "J-38" key which had two flat disks to grip with and a good, adjustable action. Works well (with practice) up to about 20 wpm. When you read about a cw operator's "fist", generally this refers to a "straight key" since this is by far the most distinctive by personality.

Generally a "bug" (now obsolete) was a "semi-automatic" key which had a system of weights on a spring which would oscillate to produce the dits when the paddle was pushed to one side,
dahs were produced manually by pushing the paddle to the opposite side. Vibroplex the major (only?) manufacturer produced both a left and right handed version which essentially switched the side for dits and dahs. Never used one personally, but I have heard good cw sent at 50wpm from a bug. I have also heard some awfull pretense at cw from them. The most common error was to set the dits fast (40wpm) and try to send at 10wpm. There were also "swing" styles which essentially were other alterations in the proper spacings, mostly resulting in unreadable cw!

Electronic keyers come in just about every variety, from electronic "bugs" to keyboards. What is most popular (what *I* use :-)) is an "iambic keyer" which has two paddles, one dits, one dahs. When you squeeze both the keyer sends didadidada so one motion can send K, R, C, etc. A squeeze releasing one paddle will send characters like Y and Q. All dits, dahs and "letter" spaces are "self completing" which means that the keyer won't start the next element until BOTH mark and space are finished. The object is to send properly spaced cw with a minimum of hand movement and as much allowance for human timing error as possible. No easier to use than a "bug" or "straight key", but you can send much faster and for a longer period of time with an electronic keyer.
To change speeds you must adjust the keyer or send charachters at say 20 wpm with spacing to 5 or 10 wpm. This works ok if there isn't a great deal of speed difference and is very readable. Characxters at say 30 wpm spaced at 5 wpm don't cut it since most "low speed" cw ops won't hear the characters!

My advise to a beginner, start with a straight key. Plan to use it for 6 mos to a year until your speed gets up to 15-20wpm then get an electronic keyer. Practice OFF THE AIR with the keyer until it is second nature, then try it on the air. Figure about two years more or less daily use of cw to get to 25-35 wpm, sooner if you spend more time at it and deliberatly "stretch" yourself. I found cassette tapes at about 20 wpm very good to listen to as I drove. I didn't try to copy everything, just listen, but after a few weeks I got more and more of the text.

Mike AA4MW/7

From -330249658560068085
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bab22e66db5cb959
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-02-01 21:01:19 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!raphael!wws
From: wws@raphael.cray.com (Walter Spector)

Newsgroups: rec.ham-radio
Subject: Re: Alternative Field 1991
Message-ID: <141048.11679@timbuk.cray.com>
Date: 1 Feb 91 23:47:13 GMT
References: <1991Feb1.002017.2872545@locus.com> <3881@ryn.mro4.dec.com>
Reply-To: wws@raphael.cray.com (Walter Spector)
Organization: Cray Research, Inc.
Lines: 33

In article <3881@ryn.mro4.dec.com>, taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber) writes:
> I think you probably need some category multipliers. For example, the
> guy who can pull off a successful QSO without RF burns over 90% of his
> body after 5 shots of grain alcohol deserves more points than the guy
> who just had 5 Lites.

People can say what they like about how no-code will increase the number of hams. I say, bring a few buddies along to Field Day and they will be 'hams' for life!

Actual W6YL Field Day QSO at 4:30 AM sunday morning:

"Queue aRe Zed Field Day this is Whiskey Sex (er, 6) Young Lust..."

Some poor soul somewhere in Tennessee:

"er, um, this is, er, um, this is, er, um, Why are we *doing* this???"

Steve, AC6P, at the mike, Walt, KK6NR, logging:

"I don't know... We're cold... We're tired... We're hungry...
We want to sleep......   What call should I use?"

Field Day *is* ham radio!

Walt Spector
(wws@renaissance.cray.com)
Sunnyvale, California
_._ _._ _.... _. ._.

From -181675376156329595
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,ae22352580cf98b9,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,ae22352580cf98b9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-29 00:59:44 PST
Path: gmdzi!unido!mcsun!uunet!wshb!cee
From: cee@wshb.csms.com (CSMS Sr Station Mgr)

Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Send SW receiver to Servicemen/women Overseas
Keywords: Sangean 803-A and MS103-A at cost
Message-ID: <931@wshb.csms.com>
Date: 28 Jan 91 20:05:05 GMT
Followup-To: rec.radio.shortwave
Organization: WSHB, Christian Science Mon. Synd., Cypress Creek, SC
Lines: 34
Xref: gmdzi rec.radio.shortwave:3934 rec.ham-radio:19966

Hello, Netlanders and SW enthusiasts:

Public Service Announcement from The Christian Science Publishing Society (producer of The World Service of The Christian Science Monitor):

In ads published in The Christian Science Monitor newspaper, readers are invited to:

"Send A Shortwave Receiver To Someone In The Service Overseas.

"For a limited time only (until May 1, 1991), we will give you the opportunity to send a shortwave radio receiver to service personnel overseas, priced at our cost--and we will pay the postage. This offer is available only for direct shipment to FPO and APO adresses.

"Sangean ATS-803A Digital World Band Receiver: special overseas service price $123.00

"Sangean MS-103A World Band Receiver Shortwave Starter Set (includes radio and 1991 edition of "Passport to World Band Radio"): special overaseas service price $65.00

The same equipment is available for delivery to non-APO or FPO addresses at $189.00 and $115.00, respectively. "Passport to World Band Radio" is also available at $16.95. Shipping charges are added to domestic deliveries.

To order, or to get more information, call 1-800-448-2466.

--
****
 C. Ed Evans, Senior Station Manager, CSMS * cee@wshb.csms.com (803)625-4880
 WSHB, Cypress Creek, SC * WCSN, Scotts Corner, ME * KHBI, Saipan, Mariana I.
****

From -8755352722093810181
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,49f4feb6e9496862
X-Google-Attributes: gid105d97,public
X-Google-Thread: 10b271,49f4feb6e9496862

```
X-Google-Attributes: gid10b271,public
X-Google-ArrivalTime: 1991-01-29 02:25:22 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!
cs.utexas.edu!mit-eddie!uw-beaver!ubc-cs!news-server.csri.toronto.edu!utgpu!utzoo!
henry
From: henry@zoo.toronto.edu (Henry Spencer)
Newsgroups: rec.ham-radio,sci.electronics,sci.physics
Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <1991Jan29.044137.20914@zoo.toronto.edu>
Date: 29 Jan 91 04:41:37 GMT
References: <1154.27A2ECFD@w8grt.fidonet.org>
Organization: U of Toronto Zoology
Lines: 21
Xref: gmdzi rec.ham-radio:19967 sci.electronics:11153 sci.physics:11246

> > From: michael@vk2bea.UUCP (Michael G. Katzmann)
> > Has anyone noticed a degradation of the Navstar GPS system since the
> > outbreak of unpleasentness in the middle east?
> > The implication, when GPS was first started, was that during times of
> > crisis the C/A code would be degraded so that an enemy could not use it.

The last word I heard was that accuracy had actually improved, because the
US military forces in the Gulf are making extensive use of commercial
Navstar receivers, while the Iraqis have little or no Navstar equipment,
so the public-access code is being kept as undegraded as possible.

In article <1154.27A2ECFD@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim
Grubs) writes:
>Jeepers, Michael, why don't we just invite Saddam to sit in on JCS planning
>sessions and be done with it?

Why bother?  There is nothing secret about any of this.  There is nothing
to be gained, and a fair bit to be lost, by keeping the public in ignorance
of things Saddam already knows.
--
If the Space Shuttle was the answer,   | Henry Spencer at U of Toronto Zoology
what was the question?                 |  henry@zoo.toronto.edu   utzoo!henry


From -5340879413070956069
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc7e338786373d8d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-29 04:30:28 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!pa.dec.com!hollie.rdg.dec.com!
ryn.mro4.dec.com!ricks.enet.dec.com!reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: Re: Guest operating
Message-ID: <3853@ryn.mro4.dec.com>
Date: 29 Jan 91 08:46:17 GMT
Sender: guest@ryn.mro4.dec.com
Organization: Digital Equipment Corporation - Hudson, MA
```

Lines: 30

In article <43355@ut-emx.uucp>, oo7@ut-emx.uucp (Derek Wills) writes...
>
>Suppose I go on the first expedition to Albania
>in nearly 20 yrs, and work 50,000 hams around the world (all on CW, of
>course). Is there any way in which I can get credit for a QSO with ZA?

Hmmm - interesting question. I know that some of the EME crowd (Earth-Moon-Earth, or Moonbounce) used to do this - go on expeditions for their needed states, making sure the home station worked themselves. So I guess there is a precedent, right or wrong.

There was some flak a while back when they re-wrote the part 97 rules. A clarification came out that said a host op could 'lend' his station to a guest op, such that the guest op's callsign could be used for a weekend contest ("Derek, I'll buy your station for $1, but I'll sell it back to you Monday a.m. at 0000Z). This, however, is not the same case as above. Any home lawyers out there?

- Jim AD1C

=-=

"The opinions expressed here in no way represent the views of Digital
Equipment Corporation."

James J. Reisert   Internet: reisert@ricks.enet.dec.com
Digital Equipment Corp.   UUCP: ...decwrl!ricks.enet!reisert
77 Reed Road
Hudson, MA 01749-2895

From 3910455770638718591
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d20358612653545a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-29 07:32:40 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!hplabs!hpda!hpcuhb!hpsqf!hpqmola!
hpqmole!dstock
From: dstock@hpqmole.sqf.hp.com (David Stockton)
Newsgroups: rec.ham-radio
Subject: Re: What do I want in a radio?
Message-ID: <410018@hpqmole.sqf.hp.com>
Date: 29 Jan 91 15:32:40 GMT
References: <28.Jan.91.11:25:51.GMT.#8659@UK.AC.NWL.IA>
Organization: HP,Queensferry Microwave UK
Lines: 30

The Japanese are giving the majority exactly what they, the majority, have asked for. I am somewhat distressed by all the entries in rec.hamradio

made by people wanting very wideband fromt ends, it is as if they wanted
scanners and were prepared to accept a very poor built-in 2m transciever.

Here in the UK, I'm well away from kilowatt alley, but we do have many
rock-crushing SW broadcasters. When I have let other radio amateurs have
a go with a good professional Rx of very high 3rd order intercept point,
they have always commented that the bands have sounded dead. It is as if
the majority of people want high background noise levels because they
associate them with good conditions. People with only poor receivers cannot
know what they are missing because they cannot hear it !

If good receivers seem dead to the majority, how could a good RX be
demonstrated in a shop - the punters will suspect bullshit being used to try
to fob them off with a deaf rig. Some sort of comparative clarity tese
oops, this editor... sorry,   test is needed, but even this will look like
a fix-up.

The manufacturers have recognised that features and flashing lights can
be unambiguously demonstrated, unlike good old raw performance. Reviewers
tend to be spineless and never tell people what they are missing. To be
fair, they ply a minefield of litigation and advertising revenew, and have
to be careful not to drive readers away with technical writing.

Those of us who do understand these things have, i feel, a duty to
explain and demonstrate in careful, diplomatic ways what is missing.
73
GM4ZNX

From -8483878877450679196
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7d49cd453ed34c4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-29 09:24:38 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!hplabs!
hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: Xmit Mods for IC-735
Message-ID: <1250346@hpnmdla.HP.COM>
Date: 29 Jan 91 17:24:38 GMT
References: <12450@lanl.gov>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 29

> In rec.ham-radio, stevens@mpx1.lampf.lanl.gov (Stevens, Thaddeus C.) writes:
>
>
>   I'm posting this for a friend who is looking for out of band xmit mods
>   for his IC-735.
>
>   Any help would be appreciated.
>

> Thanks es 73's

Thad

I don't have either one of my 735's open and I can't seem to find the
precise location or information but roughly...

There are two diodes, D30 &D31 (or maybe it's D32&D33 D34&D35 I can't
remember) located toward the front center of the board containing the
CPU. The diodes were end mounted with yellow insulation over the end of the
leads away from the board. Cutting these diodes out of the circuit enables
broadband transmit. My radios were purchased new in spring of 1989 so
I don't know if they acurately reflect current production units.
This is a particularly nice feature since it allows wide coverage when
used with transverters. I use my 735's with my 144MHZ - 10.368 GHz transverters
with the radios operating in the 20-30 MHz region. It allows 10 MHz of
all-mode coverage on every vhf-uhf-uwave amateur band.

73
Glenn Elmore n6gn

From -3219043523675489989
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d6aa7fdc8e745c47,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-29 09:45:35 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!hplabs!hpl-opus!hpspdra!henryb
From: henryb@hpspdra.HP.COM (Henry Black)
Newsgroups: rec.ham-radio
Subject: DR410T, FT790R mods sought.
Message-ID: <12280035@hpspdra.HP.COM>
Date: 29 Jan 91 17:45:35 GMT
Organization: HP Stanford Park - Palo Alto, CA
Lines: 14

Does anyone know whether there's a mod to extend transmit coverage of
the Alinco 70cm FM mobile rig (DR410T if memory serves) so as to cover
frequencies in the 430Hz range. It's advertised as 440-450 only on transmit.

On a similar theme anyone know of a (probably difficult) mod to make the
Yaesu FT790R (not the later FT790RII) cover 440-450MHz in addition to
it's standard 430-440MHz.

Please respond by email if posible, I will summarise for the net,
our news server is having capacity problems lately.

Thanks and best 73s old top.

Henry Black (G4NOC, KK6JR) +1 415 857 6655   henryb@hpspd.HP.COM

```
From -2589788972784557841
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,310cad303ee3568,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,310cad303ee3568,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 105d97,310cad303ee3568,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-01-29 10:54:54 PST
Xref: utzoo sci.electronics:17342 rec.ham-radio:30311 rec.radio.shortwave:5292
Path: utzoo!utgpu!news-server.csri.toronto.edu!rutgers!uwm.edu!caen!
uakari.primate.wisc.edu!samsung!uunet!zephyr.ens.tek.com!orca.wv.tek.com!flutter!
bill
From: bill@flutter.tv.tek.com (William K. McFadden)
Newsgroups: sci.electronics,rec.ham-radio,rec.radio.shortwave
Subject: Re: FCC Regs on Low-Powered FM Transmitter
Message-ID: <9982@orca.wv.tek.com>
Date: 29 Jan 91 18:54:54 GMT
Sender: news@orca.wv.tek.com
Followup-To: sci.electronics
Distribution: usa
Organization: Tektronix TV Products
Lines: 87
Originator: bill@flutter
```

Last week I posted a request to the net asking what the current FCC regulations were for low-powered FM broadcasting. As you may recall, I wanted to pipe CNN audio around a building.

I was primarily interested in what levels of intentional radiation were allowed outside the property line of a privately-owned industrial area. Unfortunately, there either does not exist such a regulation or none has been found. I believe there must be such a regulation, because our EMI test lab generates field strengths far in excess of the limits in Part 15. These emissions are legal because they are self-contained. I would still like to find out what the FCC says about this. By the way, there is such a rule for AM stations on a school campus. The emissions are not limited except at the perimeter of the campus. (Hey, they teach college credit courses here; does that qualify Tek as a school campus?)

The only regulations anybody could find that pertain to the FM band apply to operation at any location, including a neighborhood. Hence, these are quite restrictive. I wish to thank gary_t_trindl@cup.portal.com for faxing me the pertinent pages of CFR 47 Ch. 1 (10-1-89 edition) Part 15. It reads:

15.239 Operation in the band 88-108 MHz.

(a) Emissions from the intentional radiator shall be confined within a band 200 kHz wide centered on the operating frequency. The 200 kHz band shall lie wholly within the frequency range of 88-108 MHz.

(b) The field strength of any emissions within the permitted 200 kHz band shall not exceed 250 microvolts/meter at 3 meters. The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in 15.35 for limiting peak emissions apply. [I don't have a copy of 15.35, but since the operation is FM, I doubt this limit would apply--WKM]

(c) The field strength of any emissions radiated on any frequency outside of the specified 200 kHz band shall not exceed the general radiated emission limits in 15.209. [see below--WKM]

(d) [omitted, only applies to custom-built telemetry equipment--WKM]

15.209 Radiated emission limits; general requirements.

(a) Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Comments:

250 uV/m @ 3m is hardly any higher than the unintentional level most computing equipment is allowed to put out. I believe this is not enough to cut through the computer-generated hash in the building where I work. It might be possible to install transmitters every 25 feet, but this is impractical. I might try to set up something that would cover a small portion of the building.

Some people have suggested carrier-current AM. This would not work here for two reasons. First, the computer generated hash is much greater at 1 MHz than 100 MHz, and AM is more susceptible to noise. Second, the power distribution system here would not propagate the signal beyond a small area.

Several people have pointed out that rebroadcasting CNN would violate copyright law (however I doubt CNN would pursue it).

Thanks to everyone who responded. If anyone has an answer to my first

question (as stated at the beginning of this article), please let me
know.
--
Bill McFadden   Tektronix, Inc. P.O. Box 500 MS 58-639 Beaverton, OR 97077
bill@videovax.tv.tek.com,   {hplabs,uw-beaver,decvax}!tektronix!videovax!bill
Phone: (503) 627-6920   "SCUD: Shoots Crooked, Usually Destroyed"

From 3832996227630105470
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,213adfcec3c2dbeb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-29 11:29:28 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!elroy.jpl.nasa.gov!mahendo!
wlbr!lonex.radc.af.mil!szarekw
From: szarekw@lonexc.radc.af.mil (William J. Szarek)
Newsgroups: rec.ham-radio
Subject: Re: Numbers lady on 30 meters
Summary: why god made the earth round
Keywords: df round-earth
Message-ID: <1991Jan29.140120.21257@lonex.radc.af.mil>
Date: 29 Jan 91 14:01:20 GMT
References: <9101282217.AA10830@tilde>
Sender: szarekw@lonex.radc.af.mil
Followup-To: dube's post
Organization: RADC
Lines: 15
Nntp-Posting-Host: lonexc.radc.af.mil

>long arc. A bi-directional antenna would find the null at two places, 180
>degrees apart, so the station might be on either of the two 300-mile long arcs.
>
Dube, A bidirectional antenna would find the null in "one" place. the earth
is ROUND. This may be news to some folks, but I thought you knew. :-)

all kidding aside, It is possible, even with a unidirectional antenna to
get a signal via long-path that you cannot rx directly. It is a good idea
when dfing to assume nothing and use a bidirectional antenna from 2 or 3
locations (far away locations) and allow the intersection of the reports
given by these stations determine the location of the xmitter.

73
buzz
wm1w

From 3600869106574106470
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8eb9adba9950ad9c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-29 11:35:09 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!
caen!sdd.hp.com!cs.utexas.edu!uunet!infonode!ingr!

From: ptc@b15.INGR.COM (Paul Carter)
Newsgroups: rec.ham-radio
Subject: Help:Need Police Codes
Message-ID: <1872@b15.INGR.COM>
Date: 29 Jan 91 14:05:22 GMT
Organization: Intergraph, Huntsville, AL
Lines: 12
th: b15!ptc

Help! I just purchased a police scanner, and I don't understand the
lingo. I'm not a regular reader of this newsgroup, so I apologize
if I've posted this to the wrong group. What I need is for someone
to E-Mail me a list of the codes, or recommend where I can get my
hands on one. Thanks in advance.

Paul
--
+++
Paul Carter   Intergraph Corporation- Huntsville Ala.
uucp: uunet!ingr!b15!ptc   (205) 730-6859
++++++++++++++++++++++++(=o=)++

From -3130143246556620929
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c5fbfd163aa743cf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-29 11:37:53 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!cs.utexas.edu!uunet!sbi!zeus!pivot-nj!canada!jerrys
From: jerrys@canada.sbi.com (Jerry Simonowits)
Newsgroups: rec.ham-radio
Subject: Re: New License Structure
Summary: why differentiate ???
Message-ID: <145@canada.sbi.com>
Date: 29 Jan 91 14:34:53 GMT
References: <9101282235.AA11760@tilde>
Organization: Salomon Brothers - NJ
Lines: 31

In article <9101282235.AA11760@tilde>, dube@cpdvax.csc.ti.com writes:
>
> The real problem, and the one I posted just after the new structure was
> announced, is: How you gonna tell the Techs from the "Tech+HFs" without some
> kind of call sign differentiation? Some have complained that this will
> result in on-the-air discrimination, and I'm sure that some of that will
> occur. But it's not JUST a matter of on-the-air discrimination. It's an
> administrative problem that must be dealt with, and this thread has properly
> identified it. THE FCC and ARRL ought to fix their mess.
>
> 73,
> Dube   N5PDK

I disagree. Why do we need to differentiate. If the reason is to "self police", well,
there are plenty of people who have retained their call sign even though they have
upgraded. Myself, for example. I hold a technician class license with a novice call.
If you heard me operate on 2M you would not know, by call alone, if I was
entitled to be there. Even checking the call book is not good enough, I could have
upgraded since it was published.

To me, the answer is not to look for a special identifier (by the way we would need
a bunch of them for all the different types of technicians there are, 5 by my last
count). Rather one needs to get a feel for how someone on the air is operating. Are
they polite ? Do they follow good operating procedure ? Are they confused or
willfully interfering ?? etc.. Then try to lend a helping hand. Only as a last resort,
if that doesn't work, appropriate action can be taken.

A ham is a ham is a ham is a ham. Let's open up and accept our new members....

Jerry S.

From -3435146172377912540
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,202dd71ae573ec8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-29 12:09:59 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!att!linac!uwm.edu!rpi!julius.cs.uiuc.edu!usc!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Where to Buy??
Message-ID: <1250347@hpnmdla.HP.COM>
Date: 29 Jan 91 20:09:59 GMT
References: <1991Jan23.015112.2392@bpdsun1.uucp>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 4

Ham Radio Outlet is a good outfit. They advertise in our club
newsletter, so I like to plug them when I get a chance!

AL N1AL

From -4520492248579686093
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,43ddf726ddd47ac9,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,43ddf726ddd47ac9,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1991-01-29 15:42:10 PST
Path: gmdzi!unido!mcsun!uunet!sbi!zeus!pivot-nj!canada!jerrys
From: jerrys@canada.sbi.com (Jerry Simonowits)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: freedom of speech
Message-ID: <146@canada.sbi.com>
Date: 29 Jan 91 17:32:01 GMT
Followup-To: rec.ham-radio rec.radio.shortwave
Organization: Salomon Brothers - NJ
Lines: 102
Xref: gmdzi rec.ham-radio:19972 rec.radio.shortwave:3948

Hi,
I recently came accross this most interesting piece in my ARC publication. I have received permission from the author to "re-print" it here. Please note that I retyped the whole thing by hand and any "typos" are my responsiblity alone.

I believe it is a thought provoking conversation provoking article. My intent is not to startup another flame war, but to encourage an adult exchange regarding freedom of speech and radio.

Please post your comments. I will summarize them and give the original author your feedback.

Freedom of Speech and Amateur Radio

There has been much concern in recent years regarding declining interest among the general public to become involved in amateur radio. Surprisingly, this comes at a time when the Cold War has ended and communications between amateurs in this country and those behind the former Iron Curtain are enjoying a renaissance. What can explain this anomoly ? Isn't the general public aware that amateur radio enables them to speak directly to Lithuanians and Hungarians, rather than having to rely on new reports ? Surely amateur radio should be attracting new devotees in droves.

The fact is that his is not happening and I believe I have pinpointed one of the reasons. 47 CFR &97.117 states:"Transmissions to a different country, where permitted, shall be made in plain language and shall be limited to messages to a technical nature relating to tests, and, to remarks of a personal character for which, by reason of their unimportance, recourse to the public telecommunications service is not justified." What attraction is there for the general public to spend thousands of dollars on an amateur radio station just to be able to say "5-9, New York" to a Russian ham ?

Section 97.117 degraded amateur communications to unimportant remarks of a personal character -- remarks so unimportant you wouldn't even waste a phone call on them. Thus, there is a built-in damper on any interesting communication on the amateur bands.

Now, I know that the genesis of this provision is an ITU regulation, and I understand the politics of protecting common carriers from lost revenue. I also am aware that this regulation is violated every minute of every day. But it seems to me that amateur radio will never thrive as long as there is a gag order on intelligent conversation.

I think that we wouldn't have to be concerned about losing amateur frequencies if we could use the frequencies for more than experiments and contests. Section 97.1 of the amateur rules provides that one of the purposes of the amateur service is "continuation and extension of the amateur's unique ability to enhance international goodwill." How can we accomplish that through "remarks of a personal character for which, by reason of their unimportance, recourse to the public telecommunications service is not justified."?

I think that we should be going into WARC-92 with a proposal to eliminate this provision. In addition, we should esamine carefully the restriction on free speech which the FCC imposes on domestic amateur communication.

For example in &97.113, it says:"No station shall transmit communications as an alternative to other authorized radio services, except as necessary to providing emergency communications." Under this regulation, the existance of call-in talk radio programs on broadcast station would seem to prohibit most discussion nets, since the net control is performing the same role as a Larry King in that type of net.

In fact, just about all of &97.113 is of questionable value. While it is clear that an "amateur" service should be free of business communications in the strict sense of communications which facilitate financial gain by someone, why should it be prohibited for a radio club to use the amateur bands to anounce the next club meeting ? The FCC considers such communications to be business communications despite the fact that the beneficiary is a non-profit organization. (Ifi you have any doubts regarding the FCC position on this, talk to Glenn Baxter, K1MAN, who was cited by the FCC for violating this rule by talking ut the Amateur RAdio Peace Corps.)

While I certainly agree that communications for hire, and obscene communications should be prohibited on the amateur bands, it is not clear to me why the playing of music should be prohibited in a two-way communication. The existence of regulations like 97.113 and 97.117 has turned many hams into amateur attorneys, having to interpret the rules to decide what speech is permissible and what is not.

The truth is that amateur radio will not thrive untill all speech of a non-obscene and non-commercial nature is permitted on the amateur bands. What better way to demonstrate to the newly-democratic Eastern bloc the freedom of speech which has been the glory of this nation than to fight at WARC-92 for the freedom of speech in amateur radio. When hams can legally have intelligent discussions on HF, interest in amateur radio will rebound. When we can legally offer new hams more than just call signs and signal reports, there will be a good reason to get involved in amateur radio -- stimulating conversation with people all over the world. And that's the reason many of us became involved in amateur radio to begin with.

FRANK TERRANELLA is an attorney and amateur radio operator.

From 3118466699999999446
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc7e338786373d8d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-29 19:16:21 PST
Path: gmdzi!unido!mcsun!uunet!samsung!noose.ecn.purdue.edu!mentor.cc.purdue.edu!add
From: add@mentor.cc.purdue.edu (Lon Ahlen)
Newsgroups: rec.ham-radio
Subject: Re: Guest operating
Message-ID: <4763@mentor.cc.purdue.edu>
Date: 29 Jan 91 21:35:46 GMT
References: <3853@ryn.mro4.dec.com> <1991Jan29.202729.9319@usenet.ins.cwru.edu>
Reply-To: add@mentor.cc.purdue.edu (Lon Ahlen)
Organization: Purdue University
Lines: 28

&97.103 Station licensee responsibilities.

a) The station licensee is responsible for the proper operation of the station in accordance with the FCC Rules. When the control operator is a different amateur operator than the station licensee, both persons are equally responsible for proper operation of the station.

&97.105 Control operator duties.

b) A station may only be operated in the manner and to the extent permitted by the privileges authorized for the class of operator license held by the control operator.

&97.119 Station Identification.

d) When the operator license class held by the control operator exceeds that of the station license, an indicator consisting of the call sign assigned to the control operator's station must be included after the call sign.

ARRL says on Page 6-4 of The FCC Rule Book C. 1989

> You may simply "lend" your equipment to your visitor, and the equipment in your shack then becomes your visitor's temporary station. Your visitor signs his own call and operates within the privileges of his license.

From -8269094882880352102
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc7e338786373d8d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-29 19:23:29 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!caen!uflorida!gatech!usenet.ins.cwru.edu!hal.CWRU.Edu!rab
From: rab@hal.CWRU.Edu (Roger Bielefeld)
Newsgroups: rec.ham-radio
Subject: Re: Guest operating
Message-ID: <1991Jan29.202729.9319@usenet.ins.cwru.edu>
Date: 29 Jan 91 20:27:29 GMT
References: <3853@ryn.mro4.dec.com>
Sender: news@usenet.ins.cwru.edu
Organization: CWRU Epidemiology & Biostatistics
Lines: 28
Nntp-Posting-Host: hal.cwru.edu

When this question first hit rec.ham-radio, I was sure that I'd run across the answer while preparing for Elements 2, 3A, and 3B recently. After searching through the materials I have, the best I can come up with is question 3A-4.1 in the Element 3B question pool which says that a General operator using a Novice station on 7250 kHz should identify using the Novice-station-call / General-operator-call. There is a reference to {97.119(d)} with the answer to the question, but, unfortunately, my only copy of Part 97 is printed in a 1966 version of "The Radio Amateur's License Manual" from ARRL that I still have from my early days of interest in ham radio. And that version of Part 97 is quite different from today's rules! For example, the 1966 version of Part 97 prohibits the Novice station from being operated outside of the Novice bands regardless of the license class of the operator.

In any case, I would be interested in the one true answer to this question and look forward to seeing it here.

BTW, I passed Elements 2, 3A, 3B, and 1C. Now begins the long wait for the callsign! And more studying so that the CSCE for 1C doesn't go to waste!

Roger
--
Roger Bielefeld   Case Western Reserve University
rab@hal.cwru.edu   Cleveland, Ohio USA

From 6855783133694121777
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,dc7e338786373d8d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-29 19:36:28 PST
Path: gmdzi!unido!mcsun!uunet!samsung!interlan.InterLan.COM!interlan.interlan.com!yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: Guest operating
Message-ID: <YETSKO.91Jan29170107@interlan.interlan.com>
Date: 29 Jan 91 22:01:07 GMT
References: <3853@ryn.mro4.dec.com> <1991Jan29.202729.9319@usenet.ins.cwru.edu>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 25
In-reply-to: rab@hal.CWRU.Edu's message of 29 Jan 91 20:27:29 GMT

This is from memory from a while back, and is only recollection, but, actually (i don't have rules handy, so don't let the rec.ham-radio police know) you are SUPPOSED to identify with the station license. This changes if you operation provlidges are greater than the host station operators privlidges, in which case you are supposed to identify as BOTH if you operate in an area outside of normal privlidges for the host station but inside your privlidges for operation.

This gets rather mucky, especially in the case of multi-ham family stations. In that case, it was always looked upon as a multi-station environment, and the equipment was 'loaned' from one station to another, even though there wasn't any physical transfer of equipment.

There is nothing in the rules that says you CAN'T id with both, even if in the minimal operational privlidges of the host station, but it was (at least before the last rules rewrite) pretty explicit that you WOULD use the station ID, not operator ID.

But then, you could always claim you borrowed the station, and sign 'portable x' on your call as not being at your base. But then (I know, are you counting the times I say 'but then'?) since the rules on ID for portable and mobile have been relaxed in practice lately....

Mike Yetsko
N1DVJ

From -3485783269975791898
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f90dc4e412e1aa1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9f90dc4e412e1aa1
X-Google-Attributes: gid114aac,public
X-Google-Thread: fb9af,9f90dc4e412e1aa1
X-Google-Attributes: gidfb9af,public
X-Google-Thread: f5d40,9f90dc4e412e1aa1
X-Google-Attributes: gidf5d40,public

X-Google-Thread: 10f3ae,9f90dc4e412e1aa1
X-Google-Attributes: gid10f3ae,public
X-Google-ArrivalTime: 1991-01-29 19:50:31 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!samsung!zaphod.mps.ohio-state.edu!usc!apple!rutgers!cmcl2!sbcs!csserv1.ic.sunysb.edu!dtiberio
From: dtiberio@csserv1.ic.sunysb.edu (David Tiberio)
Newsgroups: alt.conspiracy,alt.folklore.urban,rec.radio.shortwave,rec.ham-radio,talk.rumors
Subject: Re: Radio Signals from Space?!?
Keywords: radio shortwave ham space signals astronauts Tesla
Message-ID: <1991Jan29.203738.15115@sbcs.sunysb.edu>
Date: 29 Jan 91 20:37:38 GMT
References: <1290@pdxgate.UUCP> <1991Jan28.211244.7808@porthos.cc.bellcore.com>
Sender: usenet@sbcs.sunysb.edu (Usenet poster)
Organization: State University of New York at Stony Brook
Lines: 28
Xref: gmdzi alt.conspiracy:2786 alt.folklore.urban:7365 rec.radio.shortwave:3955 rec.ham-radio:19976 talk.rumors:157
Posted: Tue Jan 29 14:37:38 1991

In article <1991Jan28.211244.7808@porthos.cc.bellcore.com> martin@cellar.UUCP (Martin Harriss (ACP)) writes:
>In article <1290@pdxgate.UUCP> jprice@jove.cs.pdx.edu (James Price) writes:
>>From a book titled "Modern Mysteries of Britian" comes a one page story
>>concerning a 1977 (?) mysterious interruption of Southern TV's signal
>>by an alleged space voice that warned of war for about five and one half
>>minutes. The officials claimed it a "hoax" although there are many
>>safeguards to prevent such things.
>Yes, I remember this. I was still living in the UK at the time.
>It seems that some clever sod got hold of some surplus microwave
>equipment and drove up close to some microwave relay tower. He managed
>to get enough signal into the receiver to more or less overpower the
>legitimate signal. As you mention, it only lasted a few minutes.
>
>I think he called himself "Gallon the Galactic." I also think he
>was later caught and prosecuted. Probably made all the broadcasters
>think long and hard about their security!
>
>Martin Harriss jb2jyz
>martin@cellar.bae.bellcore.com

There was another guy in California about 3 years ago who walked into a TV station with a gun and demanded that the reporter read a prepared paper about how the US government knows about the existance of UFO's. The speech never went on the air because the anchorman stalled, but it was later printed in newspapers around the country (I read it in the Syracuse Herald Journal, plus saw the video clips of the guy with the gun).

DavidTiberio SUNYStonyBrook2-3605 AMIGA TotoProductions DDDMEN

From -2063897436462979724
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,c78f44ce783cfdc3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-29 21:34:27 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!
lavaca.uh.edu!menudo.uh.edu!lobster!urchin!f8325.n106.z1.fidonet.org!
Christopher.Boone
From: Christopher.Boone@f8325.n106.z1.fidonet.org (Christopher Boone)
Newsgroups: rec.ham-radio
Subject: Re: Comet CA2x4Z Antenna
Message-ID: <6619.27A5EEE2@urchin.fidonet.org>
Date: 29 Jan 91 19:28:51 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8325
Lines: 6
Posted: Tue Jan 29 13:28:51 1991

I have a 2X4FZ Comet antenna...the shorter version (7db UHF/4.5db VHF) like
the construction but have yet to get it in the air due to weather...am also
looking for comments on that one! I have heard from users of the 2X4 big
version that is does perform!!!
73
WB5ITT

From -7548858238599745820
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43ddf726ddd47ac9
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,43ddf726ddd47ac9
X-Google-Attributes: gid114aac,public
X-Google-Thread: fa656,e6c7c4d5c19c4dba,start
X-Google-Attributes: gidfa656,public
X-Google-ArrivalTime: 1991-01-29 21:59:19 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!bcm!dimacs.rutgers.edu!
aramis.rutgers.edu!paul.rutgers.edu!njin!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio,rec.radio.shortwave,rec.radio.amateur
Subject: Re: freedom of speech
Message-ID: <NRckw1w163w@phoenix.com>
Date: 30 Jan 91 01:31:46 GMT
References: <146@canada.sbi.com>
Organization: Not BIFF At All (NBAA)
Lines: 61
Xref: gmdzi rec.ham-radio:19978 rec.radio.shortwave:3958

jerrys@canada.sbi.com (Jerry Simonowits) writes:

>   The fact is that his is not happening and I believe I have pinpointed
> one of the reasons. 47 CFR &97.117 states:"Transmissions to a different
> country, where permitted, shall be made in plain language and shall be
> limited to messages to a technical nature relating to tests, and, to remarks
> of a personal character for which, by reason of their unimportance, recourse
> to the public telecommunications service is not justified." What attraction i

> there for the general public to spend thousands of dollars on an amateur radio station just to be able to say "5-9, New York" to a Russian ham ?

> Section 97.117 degraded amateur communications to unimportant remarks of a personal character -- remarks so unimportant you wouldn't even waste a phone call on them. Thus, there is a built-in damper on any interesting communication on the amateur bands.

Your re-wording of the regulation is very poor.

You can talk about many, many things that are not important enough for you to spend the money to call a stranger in a distant land. How many people would call Russia to talk about chess or their latest homebrew project or anything else with a total stranger?

The regulation is designed to prevent a husband/wife pair who are separated vast distances from using amateur radio to discuss the kids and thus avoid the use of telephones (which would be a better medium, anyway).

> But it seems to me that amateur radio will never thrive as long as there is a gag order on intelligent conversation.

It is too bad you think that regulation is a gag on intelligent conversation. It isn't. You miss the difference between "not interesting/not intelligent" and "unimportant".

> How can we accomplish that through "remarks of a personal character for which, by reason of their unimportance, recourse to the public telecommunications service is not justified."?

It takes something pretty damn important to justify calling Russia. There is a world of topics that fall below this level of importance.

> When hams can legally have intelligent discussions on HF, interest in amateur radio will rebound. When we can legally offer new hams more than just call signs and signal reports, there will be a good reason to get involved in amateur radio -- stimulating conversation with people all over the world. And that's the reason many of us became involved in amateur radio to begin with.

That "when" is today. You have an extremely NARROW view of the rules. Maybe YOU think it is a trivial matter to call people you have never met who live in foreign countries, but there are a lot of us who don't. YOU may call them up to talk about your latest operation or your new radio, but the rest of us don't. There is a huge amount of information that is not important enough to call about. "5-9 New York" is not even scratching the surface.

> FRANK TERRANELLA is an attorney and amateur radio operator.

Heaven save us from the attorney/hams.

From 1257359632929062083
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,649c8b47ea859848
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-29 22:03:54 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!infopiz!lupine!hansen!phil
From: phil@hansen.NCD.COM (Phil Graham)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TM-941A
Keywords: Triband
Message-ID: <3570@lupine.NCD.COM>
Date: 29 Jan 91 17:41:29 GMT
References: <1991Jan22.203814.22595@ucselx.sdsu.edu>
<esecw1w163w@wiffle.techbook.com>
Sender: news@NCD.COM
Reply-To: phil@hansen.NCD.COM (Phil Graham)
Lines: 18

In article <esecw1w163w@wiffle.techbook.com>, jrr@wiffle.techbook.com
(john rosenbaum) writes:

|> I am seriously interested in buying this radio right now. I have heard
|> it is very good and is very promising.. If you find any other
|> information about this radio, could you please send it to me at
|> johnr@twiki.pdx.com.

I have one of these on order....

The only problem is that they are not in stock at any store that I could
find. A shipment is due to arrive on about Feb 15, well that is what
kenwood says anyway!!!

DE KJ6NN
Phil

From 3911622055511558380
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4977167038154dc0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-29 22:03:54 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!newstop!west!L1-A.West.Sun.COM!
flloyd
From: flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242)
Newsgroups: rec.ham-radio
Subject: Re: I bought one!
Message-ID: <1361@west.West.Sun.COM>
Date: 29 Jan 91 23:58:47 GMT
References: <9101281354.AA05698@ucsd.edu>

Sender: news@west.West.Sun.COM
Organization: Sun Microsystems, Mt. View, Ca.
Lines: 48

In article <9101281354.AA05698@ucsd.edu> MROWEN@STLAWU.BITNET (Mike Owen W9IP) writes:

>In a recent posting, Fred Lloyd gave a nice review of the
>features of the new TS850. Thanks, Fred!
>
>Two questions:
>
>1) Can you go from USB to CW without retuning? In other
>words, if you are listening to a USB station and switch to
>CW, is the USB still intelligible without your having to
>turn the dial?

Like most radios, the BFO frequency is different for CW than it is for USB. That's why you have to retune for best audio. The TS-850 is no different here. The amount of retuning will vary, however, with the BFO offset which is adjustable from 400 to 1000 hz in the 850. I suspect that at 1000 Hz the amount of retuning would be somewhat less than what you may be accustomed to on other rigs. BTW, the psuedo-standard CW offset these days is 800 Hz.

>2) Is there a separate transverter jack on the back? If so:
>   a) how much power does it provide?
>   b) is it TX or TX/RX?

No, there's not a separate transverter jack per se, but the setup works like this. If you desire a "drive level" output from the rig, the manual gives instructions on how to move a coax jumper cable inside the rig to change the IF OUT jace to be DRIVE OUT for a transverter. Doing this, however, disables the IF OUT so you could not, for instance, still use your band scope in conjunction with a drive-level transverter. The manual states that between 0 and 10 dBm are available at this connector. RX is still through the regular antenna connector.

There's also a description and drawing of applying +8 to +12 volts through an RF choke into the DRIVE OUT line to operate a relay inside the 850. The description further states "Note that when no voltage is applied, power is still output from the ANT connector during transmission".

-fred

```
--
| Fred Lloyd  AA7BQ                        Fred.Lloyd@West.sun.com |
| Sun Microsystems, Inc.                              ...sun!flloyd |
| Phoenix, AZ       (reality -- what a concept!)    (602) 275-4242 |
```

From -5031983474296815494
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4977167038154dc0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-29 22:10:38 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!newstop!west!L1-A.West.Sun.COM!flloyd
From: flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242)
Newsgroups: rec.ham-radio
Subject: TS-850S - Specifications
Message-ID: <1362@west.West.Sun.COM>
Date: 30 Jan 91 00:27:10 GMT
References: <9101281354.AA05698@ucsd.edu> <1361@west.West.Sun.COM>
Sender: news@west.West.Sun.COM
Organization: Sun Microsystems, Phoenix, AZ
Lines: 102

As a final followup to the series, here are the specifications for the Kenwood TS-850S as quoted from the owner's manual.

GENERAL

Memory Channels	100
Antenna Impedance	20 ~ 150 Ohms w/ AT-850 installed
Power	12 ~ 16 VDC 2A (receive) 20.5A (Xmit)
Freq Stability	+- 10 PPM
Freq Accuracy	+- 10 PPM
Dimensions (incl. projections)	339 x 135 x 375mm (13-11/32 x 5-5/16 x 14-3/4")
Weight (with/without AT-850)	10.9kg (24 lbs) / 9.4 kg (20.7 lbs)
Base Price as of 1/29/91 (incl. AT-850)	$1629

TRANSMITTER

Freq Range	160 thru 10 meters	
Output Power	SSB, CW, FSK, FM	20 ~ 100 Watts
	AM	10 ~ 40 Watts

```
Modulation                  SSB: Balanced, FM: Reactance,
                       AM: Low level

Spurious radiation          Less than -60dB

Carrier Suppression              More than 40dB

Unwanted Sideband Suppression        More than 40dB

Max FM Deviation            +- 5kHz

Frequency response (-6dB)        400 to 2600 Hz

XIT Variable Range          +- 1.2kHz / 10 Hz step
                       +- 2.4kHz / 20 Hz step

Microphone Impedance             600 ohms



RECEIVER
-------------------------------------------------------------------------

Circuitry              triple conversion

Range                       100kHz - 30 Mhz
                  (author's note: display goes down to 30kHz)

Intermediate frequencies    1st: 73.05MHz, 2nd: 8.33MHz, 3rd: 455kHz


Sensitivity (10db S+N/N):

SSB, CW, FSK  100-500kHz    .5-1.62Mhz    1.62-24.5MHz  24.5-30MHz
         < 0.2 uV  < 4 uV        < 0.2 uV  < 0.13 uV


AM       100-500kHz    .5-1.62Mhz    1.62-24.5MHz  24.5-30MHz
         < 2 uV        < 32 uV       < 2 uV        <  .25 uV

FM (@ 12dB SINAD)                         <  .25 uV


Selectivity:       SSB, CW, FSK  -6dB: 2.4kHz  -60dB: 3.8kHz
              AM       -6dB: 6kHz    -60db: 15kHz
              FM       -6db: 12kHz   -60db: 24kHz

Image Ratio:                More than 80 dB

1st IF rejection            More than 80 dB

Notch Filter attenuation         More than 40 dB
```

```
RIT Variable Range          +- 1.2kHz / 10 Hz step
                       +- 2.4kHz / 20 Hz step

Output                      1.5W @ 8 ohms (10% Distortion)

IMD (advertised)            108dB



-fred

--
| Fred Lloyd  AA7BQ                        Fred.Lloyd@West.sun.com |
| Sun Microsystems, Inc.                                ...sun!flloyd |
| Phoenix, AZ       (reality -- what a concept!)    (602) 275-4242 |


From 4306665190818266606
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,22b326962d6709c2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-29 22:26:48 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: sex and cw
Message-ID: <685@chiton.ucsd.edu>
Date: 29 Jan 91 17:12:56 GMT
References: <1991Jan25.140515.17568@lonex.radc.af.mil> <7880428@hpfcdc.HP.COM>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 22
Posted: Tue Jan 29 09:12:56 1991

In article <7880428@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>>Inevitably the lure of sending effortless code with a beautiful chrome Bencher
>>key will seize the poor sucker by the throat and a new addict to the outmoded
>>mode will be born....B-) B-) B-)
>>
>>   AA6PN
>
>Beware the Dark Side of the Force, Luke.
>
>KF0CA

What great semaphores those light swords would make. You could stand on the
hull of your starship and communicate directly with your alien friends.


     B-) AA6PN B-)


--
```

richard currier marine physical lab u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From 7130050465364929619
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,74980ba5f0b0b250,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-29 22:28:08 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!agate!ucbvax!XEROX.COM!Robert_S._Karz.Wbst311
From: Robert_S._Karz.Wbst311@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Source for International Air Mail Stamps
Message-ID: <"29-Jan-91.18:18:38.EST".*.Robert_S._Karz.Wbst311@Xerox.com>
Date: 29 Jan 91 23:18:38 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: Robert_S._Karz.Wbst311@xerox.com
Organization: The Internet
Lines: 21

In response to yesterday's inquiry about international air mail stamps, they can be bought from the DX Stamp Service run by George Robertson, W2AZX and his wife, Marie from Ontario, New York. Their mail address is:

7661 Roder Parkway, Ontario, N.Y. 14519
Telephone (315) 524-8806

An English air mail stamp is $.95, a French stamp is $1.45, and a German stamp is $1.50 based on their current price list. Each stamp is adequate for one unit of air mail postage to the US.

Its a small business run out of their home, and everything's quite informal. He's only about a 10 minute drive for me (suburban Rochester, NY), so I usually just drop in to get the stamps I need. You could write or call and ask for an order form, but I'd just send them a check and include a slip of paper with your order. If your order is small (under about $10), I'm sure they'd appreciate a self addressed stamped envelope with your order.

73

Bob Karz, K2OID

From -6606032610901999658
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43ddf726ddd47ac9
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,43ddf726ddd47ac9
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-29 22:33:54 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!unixhub!shelby!paulf@shasta.Stanford.EDU

From: paulf@shasta.Stanford.EDU (paulf)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: freedom of speech
Message-ID: <69@shasta.Stanford.EDU>
Date: 30 Jan 91 01:07:01 GMT
References: <146@canada.sbi.com>
Organization: The Three Packeteers
Lines: 45
Xref: gmdzi rec.ham-radio:19984 rec.radio.shortwave:3964

In article <146@canada.sbi.com> jerrys@canada.sbi.com (Jerry Simonowits) writes:
>   The fact is that his is not happening and I believe I have pinpointed
>one of the reasons. 47 CFR &97.117 states:"Transmissions to a different
>country, where permitted, shall be made in plain language and shall be
>limited to messages to a technical nature relating to tests, and, to remarks
>of a personal character for which, by reason of their unimportance, recourse
>to the public telecommunications service is not justified." What attraction is
>there for the general public to spend thousands of dollars on an amateur
>radio station just to be able to say "5-9, New York" to a Russian ham ?

Similarly, who wants to be subjected to politics when they're trying to relax for a while with their hobby? If voting rates are any indication, there is very little interest in politics in this country.

However, the people who would take advantage of such a change are usually extremists who can't find any other medium to spread their message (usually hate of some sort). See ARF for further examples.

>How can we accomplish that
>through "remarks of a personal character for which, by reason of their
>unimportance, recourse to the public telecommunications service is not
>justified."?

By learning about other cultures, by learning a foreign language, and most importantly, by letting the rest of the world know that we are not political loonies.

>   In fact, just about all of &97.113 is of questionable value. While it
>is clear that an "amateur" service should be free of business communications
>in the strict sense of communications which facilitate financial gain by
>someone, why should it be prohibited for a radio club to use the amateur
>bands to anounce the next club meeting ? The FCC considers such communications
>to be business communications despite the fact that the beneficiary is a non-
>profit organization. (Ifi you have any doubts regarding the FCC position on
>this, talk to Glenn Baxter, K1MAN, who was cited by the FCC for violating
>this rule by talking ut the Amateur RAdio Peace Corps.)

The difficulty here is verifying that the business being transacted is in fact nonprofit, and legal. For example, you could work out a system with your local drug lord to buy a few baggies whenever you order a "pizza" from him. That is precisely why the FCC takes the strict view in this instance.

-=Paul Flaherty, N9FZX | Without KILL files,
->paulf@shasta.Stanford.EDU | life itself would be impossible.

From -3318327566801318960
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6da97903de54b11f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-29 22:41:15 PST
Path: gmdzi!unido!mcsun!uunet!motcid!reichert
From: reichert@motcid.UUCP (Chuck KD9JQ)
Newsgroups: rec.ham-radio
Subject: Impedance Matching
Message-ID: <4612@cocoa46.UUCP>
Date: 29 Jan 91 15:39:33 GMT
Distribution: rec
Organization: Motorola Inc., Cellular Infrastructure Div., Arlington Heights, IL
Lines: 10

Bob...you forgot one thing. The Filter"Wants" to see 3K and 25pf at 10.7Mhz as the source and load. Cancelling the reactance out here will mess up the shape of the pasband.

What is needed are Impedance step up (FET Amp) to the Xtal Filter input, and a FET Source follower at the output.

Chuck Reichert KD9JQ

From 4189230180813107508
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4977167038154dc0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-29 22:46:00 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!rice!mu!carson
From: carson@mu.rice.edu (Q)
Newsgroups: rec.ham-radio
Subject: books on ham-speak
Message-ID: <1991Jan30.020752.1654@rice.edu>
Date: 30 Jan 91 02:07:52 GMT
References: <9101281354.AA05698@ucsd.edu> <1361@west.West.Sun.COM>
Sender: news@rice.edu (News)
Organization: Rice University, Houston
Lines: 24

I've just begun reading rec.ham-radio because I've been toying with the idea of getting involved with it. The articles here are interesting, but I'm having problems digesting all the terms and abbreviations you guys use. A trip to my school's library wasn't very fruitful (though I did find an interesting book called "FCC: The Ups and Downs of Radio-TV Regulation."). I would therefore like to solicit from the net recommendations for, and possible sources of, books or articles that would be good for a beginner. Since this is probably one of the most frequently asked questions here, please send electronic mail and I will summarize the responses for posterity.

And, for some humor, a butchered excerpt of ham-speak (no disrespect to the individual posters them is intended):

>> Can you go from USB to CW without retuning?
>
> Well, like most radios, the BFO FQ is different for CW than USB.
> The TS-850 is no different here. BTW, the psuedo-standard CW offset
> these days is 800 Hz.
>
> There's also a description and drawing of applying +8 to +12 volts
> through an RF choke into the DRIVE OUT line to operate a relay
> inside the 850.

Jim Carson | Dept of Electrical & Computer Engineering, Rice University
carson@rice.edu | uunet!mu.rice.edu!carson@uunet.uu.net

From 8413075022000140121
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7cf262874cc18295,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7cf262874cc18295,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 109c0d,7cf262874cc18295,start
X-Google-Attributes: gid109c0d,public
X-Google-ArrivalTime: 1991-01-29 22:51:14 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!maverick.ksu.ksu.edu!zaphod.mps.ohio-state.edu!caen!hellgate.utah.edu!uplherc!esunix!krogers
From: krogers@esunix.UUCP (Keith Rogers)
Newsgroups: misc.forsale,rec.radio.shortwave,rec.ham-radio
Subject: Sony ICF-2010 for sale
Keywords: ICF-2010, shortwave, receiver
Message-ID: <2306@esunix.UUCP>
Date: 29 Jan 91 03:14:38 GMT
Organization: Evans & Sutherland, Salt Lake City, Utah
Lines: 41
Xref: gmdzi misc.forsale:4382 rec.radio.shortwave:3969 rec.ham-radio:19987

FOR SALE:

Sony ICF-2010 receiver. $200 postage paid.

Here are a few details for those unfamiliar with this receiver:

```
Freq.      AM  150-30000 kHz  (1000 or 100 Hz increments)
           FM  76-108 MHz
           Air 116-136 MHz
```

```
Antennas   Air/FM/SW telescopic antenna
           MW/LW built-in ferrite bar
           jacks for external AM (LW/MW/SW) and Air/FM bands

misc info  Uses PLL synthesizing, has sidebands
           signal strength indicator
           4 turn-on times available
           32 station memory bank
           will control a cassette recorder
           scans bands or memory settings
           analog or digital tuning

Batteries  3 D sized for radio, 2 AA for clock/memory backup

Size       11 3/8 x 6 3/8 x 2 1/8 inches (very portable)

accessor.  AC power adaptor
           Earphone
           SW external long-wire antenna
           2 external antenna connectors
```

For further information call me direct.

Keith Rogers
Evans & Sutherland Computer Corp.
utah-cs!esunix!krogers
esunix!krogers@cs.utah.edu
(801) 582-5847 x3660 (Work)
(801) 466-3303 (Home after 6pm MST)

From -2113414280259977580
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4940d9c34cd65191
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-29 23:10:37 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpfcso!wayne
From: wayne@hpfcso.HP.COM (Wayne Covington)
Newsgroups: rec.ham-radio
Subject: Re: Impedance matching
Message-ID: <7500086@hpfcso.HP.COM>
Date: 30 Jan 91 00:01:20 GMT
References: <426@newt.sbi.com>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 20

In the basenote jl@newt.sbi.com (Jean-Louis Ecochard) writes

>I am interested in replacing a ceramic filter ...
...
>How can I match the impedance of the crystal filter ...

and blombardi@x102c.ess.harris.com (Bob Lombardi 44139) provides a good
solution with a numerical example.

One further generic comment that probably doesn't apply to the original
poster's situation: You may want to pay attention to the impedance presented
to the stage driving whatever matching network and filter you use, at
frequencies removed from the passband of the filter. For example, if the
network is at the output of a mixer and there is a significant signal at, say,
the image frequency, and the input impedance of the network is very high at
said image frequency, the dynamic range of the setup could be compromised.

Wayne
KD0EA
wayne@hpfcqd.fc.hp.com

From 5085242263509542154
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,49f4feb6e9496862
X-Google-Attributes: gid105d97,public
X-Google-Thread: 10b271,49f4feb6e9496862
X-Google-Attributes: gid10b271,public
X-Google-ArrivalTime: 1991-01-29 23:30:49 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!catnip!bandy
From: bandy@catnip.berkeley.ca.us (Gun Control is Hitting Your Target)
Newsgroups: rec.ham-radio,sci.electronics,sci.physics
Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <1321@catnip.berkeley.ca.us>
Date: 30 Jan 91 06:02:13 GMT
References: <1154.27A2ECFD@w8grt.fidonet.org>
<1991Jan29.044137.20914@zoo.toronto.edu>
Followup-To: rec.ham-radio
Organization: The People's Number Four Cat Farm, Berkeley CA, USA
Lines: 30
Xref: gmdzi rec.ham-radio:19989 sci.electronics:11186 sci.physics:11261

henry@zoo.toronto.edu (Henry Spencer) writes:

>> > From: michael@vk2bea.UUCP (Michael G. Katzmann)
>> > Has anyone noticed a degradation of the Navstar GPS system since the
>> > outbreak of unpleasentness in the middle east?
>> > The implication, when GPS was first started, was that during times of
>> > crisis the C/A code would be degraded so that an enemy could not use it.

>In article <1154.27A2ECFD@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim
Grubs) writes:
>>Jeepers, Michael, why don't we just invite Saddam to sit in on JCS planning
>>sessions and be done with it?

>Why bother? There is nothing secret about any of this. There is nothing
>to be gained, and a fair bit to be lost, by keeping the public in ignorance

>of things Saddam already knows.

So, Henry, how do you know that Saddam already knows this?

Has he sent you a telegram?

This is not a trivial little flame - you never know what someone knows until they give you the details.

I sure am glad you're up north and not here.

--
real address: bandy@catnip.berkeley.ca.us
last choice: lll-winken!catnip.berkeley.ca.us!bandy

From 4541816910298360713
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,52ef61efbed11608,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 00:49:36 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Gordon West, Aloha and Mahalo
Message-ID: <7880429@hpfcdc.HP.COM>
Date: 29 Jan 91 22:52:05 GMT
References: <11152@uhccux.uhcc.Hawaii.Edu>
Organization: HP Fort Collins, Co.
Lines: 18

>   The 25 (or so) minutes-old novices COMPLETELY UNDERSTOOD what
>I had explained and applauded this example of our common hobby in
>action. Mr. West and his associates COMPLETELY UNDERSTOOD AND
>AGREED that the advertisement was improper and that the actions
>taken were in keeping with our standards. Would that such
>forbearance appear elsewhere.
>
>   Aloha es 73 - Joe Weite KH6GDR
>
>- - - - - - - - - - end KH6GDR posting - - - - - - - - - - - -
>
>   Best Regards, Bob Hlivak NH6XO

Kudos to Joe and Bob for their followup ! Indeed, "would that such forbearance appear elsewhere".

Perry / KF0CA

From 7414536980310346341
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79e09e9b58c9889e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 01:19:09 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!ncar!asuvax!anasaz!rusty
From: rusty@anasaz.UUCP (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: spreadspectrum info wanted
Message-ID: <3672@anasaz.UUCP>
Date: 29 Jan 91 22:42:23 GMT
References: <11054@lanl.gov>
Reply-To: rusty@anasaz.UUCP (Rusty Carruth)
Organization: Anasazi, Inc.
Lines: 30

In article <11054@lanl.gov> stevens@mpx1.lampf.lanl.gov writes:
->Hello !!
->
->I'm interested in experimenting with spread_sprectrum. Does anyone out have
->any info on the following:
->
->1. Can a narrow band FM tranceiver be modified to work spread ?
->2. Does anyone make equipment for Ham use either ready made or kit form ?
->
->I would appreciate replies posted so others that may have an interest.
->
->Thanks,
->Thad   KG5ES

I'll guess that there is no easy mod to a NBFM xcvr, but I could easily
be wrong (the spreading should be easy, but the locking might be
a good trick).

I've no idea on question 2.

I've reposted your entire article because I saw absolutely no followups
(which used the words "spreadspectrum info wanted"), and it seemed to
me that SS should have generated *some* kind of responses!

So, what say the denizens of rec.ham-radio?
--
+++ 73 de Rusty Carruth, N7IKQ +++ Bang: ames!ncar!noao!asuvax!anasaz!rusty
inet: anasaz!rusty@asuvax.eas.asu.edu Pony xpress: POB 27001, Tempe AZ 85285
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz
The Ham Callsign Project, part 3 (the 1990 version) - its HERE! Email for info

---

From 5628123935246245002
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29de78d771baa91e
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1991-01-30 03:23:17 PST
Path: gmdzi!unido!mcsun!uunet!spool.mu.edu!think.com!mintaka!ogicse!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: TCP/IP
Message-ID: <2056@ke4zv.UUCP>
Date: 30 Jan 91 11:23:17 GMT
References: <memo.708022@lynx.northeastern.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 24
Posted: Wed Jan 30 05:23:17 1991

In article <memo.708022@lynx.northeastern.edu> sehrlich@lynx.northeastern.edu writes:
>When I eventually get a packet station put up at my home, I would like
>to be able to access TCP/IP capabilities. Just one problem (I think).
>I have an Apple][c computer. Can anyone recommend a book (or advice)
>on how I can access TCP/IP using my][c? Does any][software exist
>for this function?
>
>Thanks much in advance.
>
>Scott (sehrlich@lynx.northeastern.edu)
>KA1WNU

There is currently no version of the TCP/IP code available for the Apple IIc. The only access that you would have to the TCP/IP world is to do an ordinary connect to a TCP/IP mbox and use the Telnet functionality of the mbox to make telnet connections of other TCP/IP sites. Since you gain very little by this approach, it's hardly worth the bother. The real advantage of the TCP/IP system is that a part of the network resides *inside* your computer giving you instant access to all the services of the network and guarranteeing uncorrupted data flow end to end between hosts. This is why things like TCP/IP TNCs and NOS-in-a-box are a waste of time. IMHO anyway.

Gary KE4ZV

From -1841728306756496648
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,307407ccee218cd0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 03:50:35 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!think.com!mintaka!ogicse!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Amateur Radio Callsign on 11M
Message-ID: <2057@ke4zv.UUCP>
Date: 30 Jan 91 11:50:35 GMT

References: <1991Jan16.161507.7398@cck.cov.ac.uk> <806@ssc.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 29

In article <806@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>In article <1991Jan16.161507.7398@cck.cov.ac.uk>, esf100@cck.cov.ac.uk (Pierre BESSON) writes:
>>
>> So far, discussions have referred to CB licensing procedure,
>> where any handle can be used.
>>
>> However, a ham with a valid CB licence and an autorized transceiver
>> shouldn't use his Amateur Radio Callsign (as handle) on the CB bands
>> as he would be operating under the Amateur Radio rules
>> where 27Mhz is not a band he can operate.
>
>I don't know about France, but here in the US the Citizens Band has been
>unlicensed for years. I understand that it is legal to use any kind
>of callsign or identifier on 11 mtrs that you want, including your own
>ham call, or anyone elses.

While the CB *operator* is not required to be licensed, he is still subject to The Communications Act of 1934 as ammended and any other rules promulgated by the FCC. While he might be cited for transmitting false and deceptive signals(1934) for using a ham call, the real risk is to the licensee of the amateur radio station whose *station* call is being used. The amateur could be cited for allowing his station to be used out of band, a clear violation of amateur rules. If you are tempted to use an amateur radio station callsign on CB at least have the intelligence to use an obviously foreign callsign. Then the FCC would have to track you down and issue a citation for false signalling rather than opening the callbook and mailing you the citation for out of band operation.

Gary KE4ZV

From 3355891589728251656
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43e2e534f6223ce4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 03:54:14 PST
Path: gmdzi!unido!mcsun!uunet!munnari.oz.au!cow!bmp
From: bmp@cow.ecs.oz (Bruce Paterson)
Newsgroups: rec.ham-radio
Subject: 6m helical wound beam
Keywords: springs, spacing
Message-ID: <544@cow.ecs.oz>
Date: 30 Jan 91 03:28:05 GMT
Organization: Email Electronics, Melbourne, Australia.
Lines: 34

Query about Antenna Design

I will explain the situation before I ask my question.
I currently have (built some years ago) a 6m helically wound dipole.
It consists of two couch springs centre fed and stretched out to obtain
the correct turns/unit length ratio :

```
 approx 1m long ~~~~~~~~~~~~~~~||~~~~~~~~~~~~~~~ <- spring
                                <- feed (with tuning cap)
```

It was designed by extrapolating some rubber-ducky design information, and tuned
up extrodinarily well considering. The ends have an extra variable length
wire bit for tuning.

Since this beam is used for direction finding I would now like to make it into
an array using either a single director, a single reflector or at a squeeze
both.

I propose to build a reflector by making another spring-helical section
with approx 20% more turns (and hence physical length).

My question is: How far from the driven dipole should a "helical"
parasitic element be mounted ? A standard 0.15 to 0.2 wavelength ?
Or less ? The overridding concern is front to back ratio.

Thanks in Advance

```
--
|    /~~~~\     Bruce Paterson       VK3TJN      Company: Email Electonics     |
|   /     |         Electronics Engineer         ACSnet:  bmp@cow.ecs.oz       |
|  /-----/  /~~~~\  /     /  /~~~~~  /~~~~~/              bmp@ecs.oz           |
| /     |  /       /     /  /       /-----/      UUCP:    ...seismo!munnari!   |
|/_____/  /       /_____/  /_____  /_____                   bmp@cow.ecs.oz     |
```

```
From 4055327093510404270
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1594fa,fa402d43d3ab5481
X-Google-Attributes: gid1594fa,public
X-Google-Thread: 10501b,fa402d43d3ab5481
X-Google-Attributes: gid10501b,public
X-Google-ArrivalTime: 1991-01-30 04:29:41 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!tektronix!percy!nosun!loop!keithl
From: keithl@loop.uucp (Keith Lofstrom;;;628-3645)
Newsgroups: rec.electronics,rec.ham-radio,rec.physics
Subject: Re: GPS accuracy in wake of Desert Storm?
Keywords: GPS Navigation
Message-ID: <1991Jan29.172528.13280@loop.uucp>
Date: 29 Jan 91 17:25:28 GMT
References: <846@vk2bea.UUCP>
Organization: Launch Loop, Portland OR
```

Lines: 17
Xref: gmdzi rec.ham-radio:19993

In article <846@vk2bea.UUCP> michael@vk2bea.UUCP (Michael G. Katzmann) writes:
>Has anyone noticed a degradation of the Navstar GPS system since the
>outbreak of unpleasentness in the middle east?
>
>The implication, when GPS was first started, was that during times of
>crisis the C/A code would be degraded so that an enemy could not use it.

According to a note in EE Times, due to an insufficiency of military grade
GPS receivers, the military has issued 3000 commercial sets to friendly
forces. The GPS receivers remain in high accuracy mode. Apparently, this
will not give the Iraqis any usable advantages, but will help allied forces
a great deal.

--
Keith Lofstrom keithl@loop.uucp ...!sun!nosun!loop!keithl (503)628-3645
KLIC --- Keith Lofstrom Integrated Circuits --- "Your Ideas in Silicon"
Design Contracting in Bipolar and CMOS - Analog, Digital, and Power ICs

---

From -1754386738115604315
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,547736a6b707cf49
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 04:34:27 PST
Path: gmdzi!unido!mcsun!uunet!spool.mu.edu!think.com!mintaka!ogicse!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: ham calls on CB
Keywords: eek
Message-ID: <2059@ke4zv.UUCP>
Date: 30 Jan 91 12:34:27 GMT
References: <43353@ut-emx.uucp>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 30
Posted: Wed Jan 30 06:34:27 1991

In article <43353@ut-emx.uucp> oo7@ut-emx.uucp (Derek Wills) writes:
>henryb@hpspdra.HP.COM (Henry Black KK6JR, G4NOC) replies to:
>
>>oo7@ut-emx.uucp (Derek Wills (AA5BT, G3NMX, good buddy)) writes:
>>>   Would you mind a CBer using *your* callsign? This could be fun, can I be
>>> 9N1MM?   Can you identify using the call of a commercial radio station too?
>
>>A ham call sign identifies the station, not the operator.
>
>Is that true? If you're a guest op you can use your own call from another
>station, can't you? (I hope so, I've been doing it for more than 3 yrs now).
>The call identifies the op in this case. But we digress...

This is the important point. The FCC issues two instruments of authorization on one sheet of paper. One is an operator's license and the other is a station license. It is the station license that is associated with a callsign. The amateur *licensee* is identified by his name and address. A licensee's station is defined, roughly, as transmitting equipment owned or controlled by the licensee. When operating someone else's station, you may identify by your own station callsign if the station has been "loaned" to you and you are in control of it's use. You are restricted to the privileges of your operator's license. Or, you may operate as a "guest operator" using the station's normal callsign. You are still limited to the privileges of *your* operator's license. Or, you may operate as a "third party" using the callsign of the other amateur's station and enjoying all the privileges of *his* license class. You will be subject to third party rules as to what stations you may contact however.

Gary KE4ZV

```
From -5841063164930771361
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc7e338786373d8d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 04:44:48 PST
Path: gmdzi!unido!mcsun!uunet!samsung!think.com!mintaka!ogicse!emory!wa4mei!ke4zv!
gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Guest operating
Keywords: just wondering
Message-ID: <2060@ke4zv.UUCP>
Date: 30 Jan 91 12:44:48 GMT
References: <43355@ut-emx.uucp>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 22
```

In article <43355@ut-emx.uucp> oo7@ut-emx.uucp (Derek Wills) writes:
>Mentioning guest operating in the previous post - does anyone know what
>the rules really are? Suppose I go on the first expedition to Albania
>in nearly 20 yrs, and work 50,000 hams around the world (all on CW, of
>course). Is there any way in which I can get credit for a QSO with ZA?
>(for the easily-excitable, I'm not actually thinking of doing this, OK?).
>
>Logic says no, you can't have a QSO with Albania using your US call if
>you are in Tirana at the time. But I have also heard that you can "lend"
>your home station to someone who can operate it with your home call and
>thus give you a legal QSO with Albania. Is this true, and is it true
>in other countries?

As to "guest" operations, see previous post. As to contest operations and contest credits, see the rules of the applicable contest organization.

In general, contest rules seem as confused about the separation of operator and station licensing as anyone else. Certainly in multi-operator contests the *station* callsign used is credited rather than the station callsigns of any of the operators. In single operator contesting it seems to be *assumed* that the operator is the owner of the station.

Gary KE4ZV

From -1754271882932732580
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f90dc4e412e1aa1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9f90dc4e412e1aa1
X-Google-Attributes: gid114aac,public
X-Google-Thread: fb9af,9f90dc4e412e1aa1
X-Google-Attributes: gidfb9af,public
X-Google-Thread: f5d40,9f90dc4e412e1aa1
X-Google-Attributes: gidf5d40,public
X-Google-Thread: 10f3ae,9f90dc4e412e1aa1
X-Google-Attributes: gid10f3ae,public
X-Google-ArrivalTime: 1991-01-30 05:42:34 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!spool2.mu.edu!think.com!linus!philabs!ttidca!sorgatz
From: sorgatz@ttidca.TTI.COM (Avatar)
Newsgroups: alt.conspiracy,alt.folklore.urban,rec.radio.shortwave,rec.ham-radio,talk.rumors
Subject: Re: Radio Signals from Space?!?
Message-ID: <22988@ttidca.TTI.COM>
Date: 29 Jan 91 23:55:05 GMT
References: <1290@pdxgate.UUCP> <1916@cluster.cs.su.oz.au> <2262@titan.tsd.arlut.utexas.edu>
Organization: Citicorp/TTI, Santa Monica
Lines: 11
Xref: gmdzi alt.conspiracy:2796 alt.folklore.urban:7389 rec.radio.shortwave:3976 rec.ham-radio:19994 talk.rumors:158

In article <2262@titan.tsd.arlut.utexas.edu>
moseley@titan.titan.tsd.arlut.utexas.edu (Austin Moseley) writes:
+   But, how do we explain the keebler elves?
+
 Easy, one of the main Keebler Factories is the one in Van Nuys..it used to be a uranium processing facility during WW2....think about it....!

```
-Avatar-> (aka: Erik K. Sorgatz) KB6LUY           +-------------------------+
Citicorp(+)TTI                          *----------> panic trap; type = N+1 *
3100 Ocean Park Blvd. Santa Monica, CA  90405     +-------------------------+
{csun,philabs,psivax,pyramid,quad1,rdlvax,retix}!ttidca!sorgatz **
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR ITS MANAGEMENT!)
```

From -6277010785007700805
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,365bac818315ea07,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 08:18:02 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!caen!
kuhub.cc.ukans.edu!heacock
From: heacock@kuhub.cc.ukans.edu (Doug Heacock)
Newsgroups: rec.ham-radio
Subject: Seeking info on keys, keyers, paddles, etc.
Message-ID: <28240.27a69d5a@kuhub.cc.ukans.edu>
Date: 30 Jan 91 16:18:02 GMT
Organization: University of Kansas Academic Computing Services
Lines: 18

Thanks again to all who have responded to my previous requests for information. Here's another question...

Years ago my dad used a telegraph-style key for sending Morse code. He called himself a "brass-pounder" and said he didn't care too much for using the "bug." In what little reading I've done so far, I've gathered that what he called a "bug" is a keyer paddle. I've also run across the term "iambic paddle" here and there, and I think I know what an electronic keyer is. Is there anyone out there who would be willing to explain the relative merits of these various devices, and perhaps clarify the terminology for an aspiring CW'er?

Thanks.

```
+===========================================+============================+
| Doug Heacock, Academic Computing Services | heacock@kuhub.cc.ukans.edu |
| The University of Kansas, Lawrence, KS    | heacock@ukanvax.bitnet     |
+===========================================+============================+
```

From -3486219527792962308
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,202ad63541e4368e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,202ad63541e4368e,start
X-Google-Attributes: gid105d97,public
X-Google-Thread: 1079ec,202ad63541e4368e,start
X-Google-Attributes: gid1079ec,public
X-Google-ArrivalTime: 1991-01-30 09:34:00 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!samsung!emory!att!
cbnewse!cbnewsd!grande
From: grande@cbnewsd.att.com (brad.l.grande)
Newsgroups: rec.bicycles,sci.electronics,rec.ham-radio
Subject: Revitalizing Gel-Cell batteries
Keywords: Gates Cyclon
Message-ID: <1991Jan30.144229.18948@cbnewsd.att.com>
Date: 30 Jan 91 14:42:29 GMT
Followup-To: poster
Organization: AT&T Bell Laboratories
Lines: 37

Xref: gmdzi rec.bicycles:10208 sci.electronics:11190 rec.ham-radio:19995

Greetings,

I just picked up a couple of Gates Cyclon 12Volt 2.5AmpHour gel-cell batteries at a ham fest. When I got them home, I found that they do not hold a charge, not even remotely. One will hold approx. 5.9V, the other approx. 4.2V.

These batteries are arranged in 2 packages of 3 cells each. Each of the 3 cell groups has an opening in the top of the center cell with a rubber cap.

I am interesed in using these batteries for a few different projects and would like to revitalize them, if possible.

Thats the question, how can I revitalize these cells? Is adding a little water the way, or maybe some sulfuric acid? I am not a chemist and do not know what is in these cells and I do not want to do something dangerous.

Some additional info: The batteries appear new (i.e. no scratches were present on the tinned spade lugs suggesting nothing had been connected to them). I am charging with a homebrew constant voltage charger I use for another gel-cell I have, and I tried an automobile battery charger, same results with both arrangements.

Please reply directly, or at least to rec.bicycles as I will not have time to browse all three newsgroups.

73's and THANKS!

Brad Grande   WB0OYX
Another bike riding beer brewing kite flying amateur radio operator who
still likes CD's!

AT&T Bell Labs
Naperville Illinausea
att!iwtil!grande
(708)-979-7853

From 4248323904102821239
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc7e338786373d8d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 09:34:12 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!samsung!usc!elroy.jpl.nasa.gov!mahendo!wlbr!lonex.radc.af.mil!szarekw
From: szarekw@lonexc.radc.af.mil (William J. Szarek)
Newsgroups: rec.ham-radio
Subject: Re: Guest operating
Summary: How to ID
Message-ID: <1991Jan30.135832.4971@lonex.radc.af.mil>

Date: 30 Jan 91 13:58:32 GMT
References: <3853@ryn.mro4.dec.com> <1991Jan29.202729.9319@usenet.ins.cwru.edu>
Sender: szarekw@lonex.radc.af.mil
Followup-To: questions on how to id at a guest station
Organization: RADC
Lines: 31
Nntp-Posting-Host: lonexc.radc.af.mil

>
>In any case, I would be interested in the one true answer to
>this question and look forward to seeing it here.
>

happy to help you find it Roger, and congrats on passing the elements.

well here it is from page 6-6 of the "The FCC Rule Book" (an ARRL publication)

Q, When my ham friends from the local radio club come to visit my home and
operate my rig, or vise versa, whose call sign is used? What frequency privileges
may they (I) use then?

A. As discussed in the section on control operatiors, you may "lend" your
station to a your friend; he then uses his own call sign to identify his
temporary station.
  Or, you may designate him to be the control operator of your station.
He signs your call sign and operates within the privileges of your license
to the extent that his license permits [my comment: the lesser of two privlages]
; if he has greater privileges than you, he can use them by signing your
call followed by his. For example if Rosalie, WA1STO, an Advanced, visits
the shack of Kirk, NT0Z, an extra, Rosalie signs Kirk's call, but must stay
within her Advanced privileges. On the other side of the coin, if Kirk visits
Rosalie's shack [???shacking-up???], and is using his Extra class privileges,
Kirk must add his own call to the end of the station ID: WA1STO/NT0Z.

Hope that clears things up.

73 es cul
buzz
wm1w

From 3253811280727752386
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc7e338786373d8d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 10:23:56 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!
samsung!rex!ames!sun-barr!newstop!sun!amdcad!mozart.amd.com!reed
From: reed@mozart.amd.com (David F. Reed)
Newsgroups: rec.ham-radio
Subject: Re: Guest operating
Message-ID: <1991Jan30.143101.8991@mozart.amd.com>
Date: 30 Jan 91 14:31:01 GMT

References: <3853@ryn.mro4.dec.com>
Organization: Advanced Micro Devices, Inc.; Austin, Texas
Lines: 52

In article <3853@ryn.mro4.dec.com> reisert@ricks.enet.dec.com (Jim Reisert) writes:
>
>In article <43355@ut-emx.uucp>, oo7@ut-emx.uucp (Derek Wills) writes...
>>
>>Suppose I go on the first expedition to Albania
>>in nearly 20 yrs, and work 50,000 hams around the world (all on CW, of
>>course). Is there any way in which I can get credit for a QSO with ZA?
>
>Hmmm - interesting question. I know that some of the EME crowd
>(Earth-Moon-Earth, or Moonbounce) used to do this - go on expeditions for
>their needed states, making sure the home station worked themselves. So I
>guess there is a precedent, right or wrong.
>
>There was some flak a while back when they re-wrote the part 97 rules. A
>clarification came out that said a host op could 'lend' his station to a
>guest op, such that the guest op's callsign could be used for a weekend
>contest ("Derek, I'll buy your station for $1, but I'll sell it back to you
>Monday a.m. at 0000Z). This, however, is not the same case as above. Any
>home lawyers out there?
>
>- Jim AD1C
>

Well, I will throw in my $.02, but caveat here is that I am not even a barracks
barrister, so, like most free advice, its worth what you paid...

You have a station licence, and an operator's licence... (yes, same piece of
paper) so, when someone operates your station, they use your call "operated
by "their call... So, I think you will find it legal to work your home call
while on dxpedition (and I and a few others have done so).

More interesting perhaps is the awards part of the question, because, after all
that is why there is fuss to work these gents, right?

My experience with the ARRL (and no, I don't want a flame war, but...) is
that they count the station NOT the operator for the award. I have had trouble
in the past getting cards/awards that spanned a call-sign change because of
this. I do not know if it is still their current policy, but it seems like if
Joe works you on DXpedition to ZA, you and he could both get cards...
one for the station and one for the operator???

Now that we got that rubberband really wound up, I will let it go, and see
whose hair is caught in it, right?

Flames optional.

--

"...just my opinion, not speaking for AMD." KK5D, 7J1AGO, XE1ZDR
David F. Reed   4512 Clarno   Austin TX 78749
packet: KK5D@KB5PM   driving by? try 442.150 repeater

From -8863793666092535333
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,213adfcec3c2dbeb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 10:38:42 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!usc!jarthur!uunet!tut.cis.ohio-state.edu!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Numbers lady on 30 meters
Message-ID: <9101301541.AA16077@tilde>
Date: 30 Jan 91 15:41:12 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 49

<szarekw@lonexc.radc.af.mil (William J. Szarek)> notes:

>>long arc. A bi-directional antenna would find the null at two places, 180
>>degrees apart, so the station might be on either of the two 300-mile long arcs.
>>
>Dube, A bidirectional antenna would find the null in "one" place. the earth
>is ROUND. This may be news to some folks, but I thought you knew. :-)
>
>all kidding aside, It is possible, even with a unidirectional antenna to
>get a signal via long-path that you cannot rx directly. It is a good idea
>when dfing to assume nothing and use a bidirectional antenna from 2 or 3
>locations (far away locations) and allow the intersection of the reports
>given by these stations determine the location of the xmitter.

When I wrote that, I was "looking" at my bearing indicator as I "rotated" my dipole. You are right, of course, in pointing to the great circle bearing. Note that there are two intersections of the three great circle paths, on exact opposite sides of the earth. One cannot use intersections as the assumed position unless the DF'ing systems are perfect (and that includes a zero-degree-wide null).

I'm surprised that you missed my math error. :)
The transmitter can be anywhere on a 500-mile arc, not a 300-mile arc as I posted. Now, use three stations at 120-degree increments around the hypothetical exact location of the transmitter (the best case for a three-LOP fix). Give each a 10-degree-wide null. The resulting "fix" can be anywhere inside a triangle with 500-mile-long sides. One might be able to find Texas with such a fix, but I doubt that you'd do much good at locating the transmitter. The best you could do would be to make an "assumed" position at the exact center of the triangle, then "fan out" from there. If we can get

the null width down to about half a degree, then we would reduce our triangle of assumed positions to about 25 miles on a side. We could "pinpoint" Dallas with our three ideally-located RDF stations.

I don't know if affordable equipment exists that can give that sort of accuracy today. In addition to null-width, the accuracy of the fix depends on plotting the *exact* location of the RDF stations as well as the accuracy of the RDF station's bearing readout equipment.

Accumulated errors in the RDF bearing reach a maximum at 90 degrees at the RDF station and on the exact opposite side of the globe. If the target transmitter just happens to be at either of these locations, then these errors don't matter. Otherwise they get significant, and antenna pattern directionality (or lack thereof) is probably the greatest contributor.

73,
Dube   N5PDK

From 6288359569458030082
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,213adfcec3c2dbeb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 10:47:38 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!
lll-winken!elroy.jpl.nasa.gov!jarthur!uunet!tut.cis.ohio-state.edu!ucbvax!
cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Numbers lady on 30 meters
Message-ID: <9101301550.AA16287@tilde>
Date: 30 Jan 91 15:50:28 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6

Something happened to my posting in response to Buzz. The paragraph about accumulated bearing error slhould have included the phrase "and decreases to zero at the RDF station and a point on the globe directly opposite."

73,
Dube   N5PDK

From -3390427143437304732
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,adb78169cdd176e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 11:57:07 PST
Path: gmdzi!unido!mcsun!ukc!stl!teak.stl.stc.co.uk!IPB
From: ipb@stl.stc.co.uk (Ian Beeby)
Newsgroups: rec.ham-radio

Subject: FT411 toneburst mod???
Message-ID: <3988@stl.stc.co.uk>
Date: 30 Jan 91 15:46:31 GMT
Sender: news@stl.stc.co.uk
Reply-To: ipb@stl.stc.co.uk
Organization: STC Technology Ltd, U.K.
Lines: 9

Hi folks - anyone out there in NETLAND know how to get the 1750Hz tone burst to work on a US-model FT411?? I can see a couple of links on the circuit diagram one labled tone and the other burst - do I have to make both of these? Any help much appreciated.

Regards,
Ian Beeby, G8OGJ

RSVP to ipb@stl.stc.co.uk

From 6561040108393599105
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10b271,49f4feb6e9496862
X-Google-Attributes: gid10b271,public
X-Google-Thread: 105d97,49f4feb6e9496862
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-01-30 12:33:58 PST
Path: gmdzi!unido!mcsun!uunet!spool.mu.edu!sdd.hp.com!usc!julius.cs.uiuc.edu!rpi!uupsi!njin!princeton!puppsr!marty
From: marty@puppsr.Princeton.EDU (Marty Ryba)
Newsgroups: rec.ham-radio,sci.electronics,sci.physics
Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <5806@idunno.Princeton.EDU>
Date: 30 Jan 91 16:17:47 GMT
References: <1154.27A2ECFD@w8grt.fidonet.org>
<1991Jan29.044137.20914@zoo.toronto.edu>
Sender: news@idunno.Princeton.EDU
Reply-To: marty@pulsar.princeton.edu
Followup-To: rec.ham-radio
Organization: Dept. of Physics, Princeton U.
Lines: 33
Xref: gmdzi rec.ham-radio:20002 sci.electronics:11193 sci.physics:11265
Posted: Wed Jan 30 10:17:47 1991

In article <1991Jan29.044137.20914@zoo.toronto.edu>, henry@zoo.toronto.edu (Henry Spencer) writes:
|> The last word I heard was that accuracy had actually improved, because the
|> US military forces in the Gulf are making extensive use of commercial
|> Navstar receivers, while the Iraqis have little or no Navstar equipment,
|> so the public-access code is being kept as undegraded as possible.

A little deeper information: all the new GPS/Navstar satellites (so-called

"Block II") have what is called SA, Selective Availability. SA allows the DoD to dither the effective phase and frequency in the pseudocode that contains the range information. I forget, but I think they are also allowed to lie a little about their orbits. Anyway, they can then add uncertainty in several places. Starting in April or so of last year, they turned on SA on the Block II satellites, but only part way: they just added about 100 ns pure white phase noise. So, if you had time to track for a while (say, if you are NIST and want to transfer atomic time accurately) you could get around this. The SA limits triangulation accuracy for positioning to about 100 meters, compared to 10 m or so with SA off. Note the few older Block I satellites still in operation have no SA capability; if you can control which satellite you talk to, you can get around it (until they launch enough new ones to retire the old ones).

In August, when Desert Shield started, the DoD realized they needed Navstar stuff, but their military versions of the receivers are not yet ready, so they switched SA off. As Henry stated, this is little strategic loss, with much to gain (the commercial Navstar receivers are portable enough for infantry). If anything, I'd imagine the Iraqis may have some GLONASS equipment from the Soviets, if they trusted them enough. GLONASS is just as good as GPS (but I think the receivers are a little less portable).

```
--
Marty Ryba                        | slave physics grad student
Princeton University              | They don't care if I exist,
Pulsars   Unlimited               | let alone what my opinions are!
marty@pulsar.princeton.edu        | Asbestos gloves always on when reading mail
```

From -9065773659398706125
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f90dc4e412e1aa1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10f3ae,9f90dc4e412e1aa1
X-Google-Attributes: gid10f3ae,public
X-Google-Thread: 114aac,9f90dc4e412e1aa1
X-Google-Attributes: gid114aac,public
X-Google-Thread: fb9af,9f90dc4e412e1aa1
X-Google-Attributes: gidfb9af,public
X-Google-Thread: f5d40,9f90dc4e412e1aa1
X-Google-Attributes: gidf5d40,public
X-Google-ArrivalTime: 1991-01-30 12:57:46 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!rutgers!ucsd!hub.ucsb.edu!ucsbuxa!6600galt
From: 6600galt@ucsbuxa.ucsb.edu (Who Is John Galt?)
Newsgroups: alt.conspiracy,alt.folklore.urban,rec.radio.shortwave,rec.ham-radio,talk.rumors
Subject: Re: Radio Signals from Space?!?
Message-ID: <8638@hub.ucsb.edu>
Date: 30 Jan 91 17:38:17 GMT
References: <1290@pdxgate.UUCP> <1916@cluster.cs.su.oz.au>
Sender: news@hub.ucsb.edu
Lines: 13
Xref: gmdzi alt.conspiracy:2799 alt.folklore.urban:7396 rec.radio.shortwave:3981

rec.ham-radio:20003 talk.rumors:159

In article <1916@cluster.cs.su.oz.au> raf@karl.cs.su.OZ.AU (A Stainless Steel Rat) writes:

>It sounds like a great UL to me. I mean, how would anyone know about it if NASA
>didn't want them to? I'd better read the book. Has anyone else heard this?

>raf

The fact is, all the moon pix are fake. We've never
been there. The earth is flat.

6600galt@ucsbuxa.ucsb.edu
All opinions, all mine, all that.

From 6745665256089360478
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,283a37cc572b3cb0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 14:02:53 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!MVS.OAC.UCLA.EDU!CSMSCST
From: CSMSCST@MVS.OAC.UCLA.EDU (Chris Thomas, AA6SQ)
Newsgroups: rec.ham-radio
Subject: Re: Why is the 470 cheap?
Message-ID: <9101301808.AA18875@ucsd.edu>
Date: 30 Jan 91 18:07:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6

Maybe because Kenwood and Icom put audio amplifiers in their
radios, while Yaesu doesn't seem to think it's necessary. Take
the 470 and any Kenwood or Icom outside the store to the street
where there's some (audio) traffic noise. Tell me which radio
you can hear.
/Chris AA6SQ

From -6717925237283378699
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b22c5f513ffa23eb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 14:21:42 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!ucsd!dog.ee.lbl.gov!pasteur!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: phonetic digits, now
Message-ID: <9101301824.AA20914@ucsd.edu>

Date: 30 Jan 91 18:24:13 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24

I picked up a book when I was in London last, titled Handbook for Radio Operators, put out by British Telecom International, and published by Lloyd's of London Press.
It has the standard phonetic alphabet, and these phonetic digits:

	code word	spoken as*
0	nadazero	nah-dah-zay-roh
1	unaone	oo-nah-wun
2	bissotwo	bees-soh-too
3	terrathree	tay-ra-tree#
4	kartefour	kar-tay-fower
5	pantafive	pan-tah-five
6	soxisix	sok-see-six
7	setteseven	say-tay-seven
8	oktoeight	ok-toh-ait
9	novenine	no-vay-niner
decimal point	decimal	day-see-mal

* Each syllable should be equally emphasised
#The book has tree, not three

From 7869356777629921374
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,109bb04333f02567,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-30 14:36:04 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!lll-winken!ames!pasteur!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: The Gulf on Shortwave (part 2)
Message-ID: <30.Jan.91.16:40:55.GMT.#2890@UK.AC.NWL.IA>
Date: 30 Jan 91 16:35:38 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 68

As a result of numerous enquiries sent to me after my earlier bulletin, here are some more frequencies worth giving a listen to bearing in mind the current political climate. All times given in GMT. Note that due to propagation conditions and/or military action, some of the stations listed here may not be keeping to their published schedule.

```
----------------------------------------------------------------------
+  The following information was compiled in part from the bulletins +
+ sent out by G6WXU & G4SZX, to whom acknowledgement is hereby given +
----------------------------------------------------------------------
```

Short Wave Broadcast Stations in Frequency Order

Frequency	Station	Comment
6040	Voice of America	After 1800z
6045	BBC World Service	
6055	Radio Baghdad	
7325	BBC World Service	
7465	Israel Radio External Service	2230z
9022	Voice of Islamic Republic of Iran	
9410	BBC World Service	
9435	Israel Radio External Service	2230z
9475	Radio Cairo	
9560	Radio Jordan	1420-1730z
9675	Radio Cairo	
9705	Saudi Arabia	1600-2100z
9720	Saudi Arabia	1600-2100z
9900	Radio Cairo	2215-2245z
9950	Radio Damascus Syria	2005-2105z
11585	Israel Radio External Service	1100z & 1815z
11605	Israel Radio External Service / Radio Jerusalem	2230z
11650	Israel Radio External Service	
11655	Israel Radio External Service	
11765	Israel Radio External Service	1815z
11795	Radio Dubai	
11830	Radio Baghdad	
11860	Radio Baghdad	1100-1400z
11980	Radio Moscow	
12075	Israel Radio External Service	
12085	Radio Damascus Syria	2110-2210z
12095	BBC World Service	
13605	Voice of United Arab Emirates	
13610	Radio Kuwait	
13655	Radio Jordan	1200-1415z
13660	Radio Baghdad	2100-2300z
13675	Voice of United Arab Emirates	
15085	Radio Teheran	
15095	Radio Damascus Syria	
15400	Voice of United Arab Emirates	
15410	Voice of America	
15435	Voice of United Arab Emirates	
15505	Radio Baghdad	1700-1900z
15580	Voice of America	2030z
15640	Israel Radio External Service	

15650	Voice of Greece	
17575	Israel Radio External Service	1100z
21605	Voice of United Arab Emirates	
21675	Radio Baghdad	2100-2300z
21790	Israel Radio External Service	1100z

All times given in Greenwich Mean time, frequencies in KHz.
I can recommend the Israel radio broadcasts and the BBC World Service
as being definitely worth a listen.

Pete Lucas PJML@UK.AC.NWL.IA G6WBJ@GB7SDN.GBR.EU

From 7562527717455127754
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bf6d0907f93e4f0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 00:21:59 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: Sex and CW outmoded?
Message-ID: <678@chiton.ucsd.edu>
Date: 24 Jan 91 17:29:02 GMT
References: <1991Jan24.150746.21155@lonex.radc.af.mil>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 40

In article <1991Jan24.150746.21155@lonex.radc.af.mil> popyackl@lonex.radc.af.mil
(Leonard J. Popyack) writes:
>WM1W Writes:
>>
>>In article <CDEECE1E121F0016A2@uncg.bitnet> MOSIER@UNCG.BITNET (Steve Mosier)
>writes:
>>
>>Oh no!!! you mean a computer can do it now???? Oh man that would be *so*
>>great! I'll bet the next thing they invent is a computer that can have
>sex
>>for you too!!! :-)
>
>Does that mean sex is outmoded too?
>
Actually you can find lots of sex on the 10 meter CW band. I was chatting away
with an east coast friend on 28.005 on CW when we got blown off by a big USB
signal off to the side. We both started listening to a female voice
shouting into a power mike about how she had some and it was the best we'd ever
find and we had better come on back if we wanted some. Well, my buddy who has
a sick sense of humor warped by many years of living alone in a shack in NH
started coming back to her in CW with some suggestions about what he'd like
to see right about now after three months of New Hampshire winter in the sticks

She started describing some very interesting acts that she would perform for the right change and insisted that someone should "come on back" with a proper offer. Well, my CW buddy had a few ideas of his own and proceeded to describe in detail what you can do with a bunch of wet towels laid over a hot wood stove. Right about this time I was laughing so hard my wife ran in the shack and shouted into my headphones, "What are you laughing about?". "What's the matter with you?". You're frightening everyone in the house!". So I told her what was going on and she looked at me real hard and said, "So this is what you do with all this time you spend out here. A grown man. You should be ashamed of yourself!".

I'm afraid it's going to be a long time before I can convince the XYL that what I do out here really is a public service. It really is. Isn't it?

AA6PN

--

richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From -1832461459595541421
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a45fbd5ba64f5c7e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 00:28:58 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!think.com!paperboy!hsdndev!husc6!genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: Re: U2MIR on packet already?
Message-ID: <40473@genrad.UUCP>
Date: 24 Jan 91 15:20:20 GMT
References: <1991Jan22.112945.1276@mdcbbs.com>
Sender: news@genrad.UUCP
Reply-To: dls@freedom.genrad.COM (Diana L. Syriac)
Organization: GenRad, Inc., Concord, Mass.
Lines: 28

In article <1991Jan22.112945.1276@mdcbbs.com> perschau@mdcbbs.com writes:

>Reposted from packet radio this morning.
>
>> HELLO...MAYBE I HAVE BEEN BUSY AND MISSED THIS, BUT U2MIR IS RUNNING
>> PACKET, JUST LIKE THE SHUTTLE DID. I HEARD U2MIR WORKING ABOUT 5 8S AND
>> 3S BEFORE HE FADED. HEARD IT FIRST ON THE SCANNER. 145.55. SAME AS
>> SHEUUTLE WAS. HAD FORGOT TO TAKE IT OUT OF THE SCANNER! MISSED A BUNCH BEFORE
>> I GOT IT ON PACKET AND OPERATING. THOUGHT YOU ALL MAY LIKE TO KNOW.
>> PS.
>> HEARD AT 0200 1-21-91
>> 73 DAN KA9DZM @ N8GTC
>
>Anybody else hear/work MIR on packet? I thought it was not supposed to be until
>sometime in February. Well good luck and happy MIR chasing.

I thought this was common knowledge. I haven't been paying too much attention, cuz I've had other more important things to do, but this is a subject discussed on our 2 meter repeater quite often, and I know K1YOW has talked with U2MIR, and I believe WA1RHP has also. It's also not just packet....sometimes he's on voice, on the same frequency, per K1YOW and KA1ULT, two people who've been watching this closely.

```
->Diana L. Syriac       dls@genrad.com          Ham: KC1SP (Sweet Pea)      <-
->I'D RATHER BE FLYING! P-ASEL, INST       CAP: 1LT, Freedom 690 Mobile<-
->GenRad                        AD ASTRA, PER ASPERA        <-
->MS/6, 300 Baker Ave, Concord, Mass.  01742   (508) 369-4400 x2459        <-
```

From 3137135648805963957
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 00:30:23 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!rpi!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: "ricebox"
Message-ID: <16052@crdgw1.crd.ge.com>
Date: 24 Jan 91 14:36:06 GMT
References: <819@wells.UUCP> <1991Jan12.042810.28007@informix.com>
<1979@ke4zv.UUCP> <905@wells.UUCP> <1995@ke4zv.UUCP>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 16
In-reply-to: gary@ke4zv.UUCP (Gary Coffman)

In article <1995@ke4zv.UUCP>, gary@ke4zv (Gary Coffman) writes:
>
>I love old Drakes and old Collins gear, but let's be realistic. Who
>hasn't had to repair the bandswitch on their T4X? Whose R4C doesn't
>have hum in the audio? Whose 30L1 hasn't gone parasitic and eaten a
>set of finals? These radios were great in their day, but with the
>advent of GASFET frontends and double balanced power fet mixers and
>low phase noise synthesisers, their day has long past.

I haven't seen anyone mention it here, but according to "Passport to World Radio - 1991", Drake is supposed to come out with a new general coverage receiver mid year. It has at least a few nice whistles, like a synchronous detector.

-don perley - ke2tp
perley@trub.crd.ge.com

From 6741461619806979507
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc13fa30aa19aace,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,fc13fa30aa19aace,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1991-01-25 00:38:29 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!wuarchive!mit-eddie!rutgers!njin!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: DSP, DSP Book
Keywords: DSP Book ARRL
Message-ID: <869@idacrd.UUCP>
Date: 24 Jan 91 18:17:00 GMT
Organization: idacrd, princeton, nj
Lines: 13
Xref: gmdzi rec.ham-radio:19812 rec.ham-radio.packet:3450

Howdy:

I received official notification from ARRL yesterday that The DSP Experimenter's Handbook is a go. Now to finish all the work required ;-(.

Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From 8045044505313316479
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e990605ddcf1b776,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 00:55:42 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!agate!shelby!unix!hplabs!hpda!hpcuha!jimallen
From: jimallen@hpcuha.cup.hp.com (Jim Allen)
Newsgroups: rec.ham-radio
Subject: Re: Hallicrafters
Message-ID: <32700006@hpcuha.cup.hp.com>
Date: 24 Jan 91 14:59:45 GMT
References: <4615@male.EBay.Sun.COM>
Organization: Hewlett Packard, Cupertino
Lines: 10

Hallicrafters is indeed out of
business. I might be able to
come up with the schematic.

What model do you need it for?

I am working on a Novice right
now. You can buy a book to
study from. It has all the
questions that could be used
on the test.

From -1934841669541214904
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a45fbd5ba64f5c7e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 02:28:58 PST
Path: gmdzi!unido!mcsun!uunet!olivea!decwrl!sdd.hp.com!zaphod.mps.ohio-state.edu!samsung!dali.cs.montana.edu!masscomp!ocpt!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: U2MIR on packet already?
Message-ID: <1412@tsdiag.ccur.com>
Date: 24 Jan 91 14:51:22 GMT
References: <1991Jan22.112945.1276@mdcbbs.com-
Organization: Concurrent Computer Corp. Oceanport NJ
Lines: 31

In article <1991Jan22.112945.1276@mdcbbs.com- perschau@mdcbbs.com writes:
-Reposted from packet radio this morning.
-
-> HELLO...MAYBE I HAVE BEEN BUSY AND MISSED THIS, BUT U2MIR IS RUNNING
-> PACKET, JUST LIKE THE SHUTTLE DID. I HEARD U2MIR WORKING ABOUT 5 8S AND
-> 3S BEFORE HE FADED. HEARD IT FIRST ON THE SCANNER. 145.55. SAME AS
-> SHEUUTLE WAS. HAD FORGOT TO TAKE IT OUT OF THE SCANNER! MISSED A BUNCH BEFORE
-> I GOT IT ON PACKET AND OPERATING. THOUGHT YOU ALL MAY LIKE TO KNOW.
-> PS.
-> HEARD AT 0200 1-21-91
-> 73 DAN KA9DZM @ N8GTC
-
-Anybody else hear/work MIR on packet?I thought it was not supposed to be until
-sometime in February. Well good luck and happy MIR chasing.

I got hung up on by MIR on 01/22/91 22:00Z. The BBS was sending out huge
numbers of disconnect requests, and I got hung up on with the best of them.
I was running 5 Watts into a quarterwave in the attic. I heard it again on
01/23/91 23:34, and at 01:10Z.

PS - Please listen before you blast packets!!! I'm pretty sure that U2MIR
is still doing simplex phone QSO's when not running packet. If you don't
hear U2MIR sending CQ packets, please don't try to connect! There is a local
guy (nameless) who is doing this, and it prevents anyone from having a phone
QSO. I realize most hams do this automatically, but it doesn't hurt to remind
those who don't.
--
David E. Tiller   davet@tsdiag.ccur.com | Concurrent Computer Corp.

```
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z


From 290489521005725031
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bc4ba2dc50ec65c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,1bc4ba2dc50ec65c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-01-25 02:37:22 PST
Path: gmdzi!unido!mcsun!uunet!abvax!iccgcc!gibbonsj
From: gibbonsj@iccgcc.decnet.ab.com
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Flux Gate Compass
Message-ID: <2939.279ef15b@iccgcc.decnet.ab.com>
Date: 24 Jan 91 19:38:18 GMT
References: <541@cow.ecs.oz>
Lines: 17
Xref: gmdzi sci.electronics:11050 rec.ham-radio:19815

In article <541@cow.ecs.oz>, bmp@cow.ecs.oz (Bruce Paterson) writes:
> A friend is attempting to build (from scratch) a flux-gate compass
> for use in a vehicle mounted dead-reckoning navigation system.

stuff deleted...

Why build one from scratch? You can buy a WWII flux-gate compass from
a company called JOLLYCO (or something like that) out of Chicago.  These
are the real thing, minus electronics, for somewhere around $35.

If you're interested, I can dig up / verify the company name & phone number.

--

 John Gibbons

           Of all the things I've lost, I miss my mind the most...


From -8132679393332209086
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bc4ba2dc50ec65c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 02:37:59 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!sdd.hp.com!news.cs.indiana.edu!
bronze!commgrp@silver.ucs.indiana.edu
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: Flux Gate Compass
Message-ID: <1991Jan24.210736.5285@bronze.ucs.indiana.edu>
Date: 24 Jan 91 21:07:36 GMT
```

Sender: daemon@bronze.ucs.indiana.edu (Mr Background)
Organization: Indiana University
Lines: 25

In article <541@cow.ecs.oz>, bmp@cow.ecs.oz (Bruce Paterson) writes:
> A friend is attempting to build (from scratch) a flux-gate compass
> for use in a vehicle mounted dead-reckoning navigation system.

See December 1988 _Radio Electronics_ "Hardware Hacker" column, where Don Lancaster discusses fluxgate theory and includes some circuits.

The November 1989 issue of _Radio Electronics_ magazine has an article on how to tap two voltages from the Radio Shack Electronic Car Compass to provide heading information for a computer. This compass costs about $50.

Larry Lippman writes:
>For further information on flux gate devices, you might wish
>to try a flux gate manufacturer, such as Humphrey, Inc. or Sperry
>Navigation Systems.

For about $300 you can get a gimballed, damped fluxgate with RS232 output (NEMA standard) from a marine supply house such as West Marine. [This paragraph saved from previous discussion; I don't know a brand name.]

--

Frank Reid   W9MKV   reid@ucs.indiana.edu

From -5341433622950943877
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1ef30d960487ab6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 02:44:13 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!rpi!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: Transverting (Was WHAT'S THE BEST RIG FOR VHF/UHF?)
Message-ID: <16070@crdgw1.crd.ge.com>
Date: 24 Jan 91 21:19:21 GMT
References: <"24-Jan-91.10:20:06.GMT".*.hugh_davies.wgc1@rx.Xerox.com>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 31
Posted: Thu Jan 24 15:19:21 1991
In-reply-to: hugh_davies.wgc1@rx.xerox.com

In article <"24-Jan-91.10:20:06.GMT".*.hugh_davies.wgc1@rx.Xerox.com>, hugh_davies.wgc1@rx writes:

>In V91 #100, Mike Owen W9IP <MROWEN%STLAWU.BITNET@CORNELLC.cit.cornell.edu>
>makes some comments about using transverters with HF rigs to get on VHF/UHF. I
>have some useability comments to add to his technical ones.
>(I get on 144MHz via a Microwave Modules transverter and an FT757)

>i) You've got to be *seriously* careful not to transmit full power into the
>transverter. Disabling the PA on the FT757 is a pain, but may not necessarily
>be so on other rigs. I have tried various arrangements of relays to switch PA,
>transverter and antenna feeds, but I can't come up with one that's fail-safe.

What we do is use an attenuator. Not real elegant, but failsafe. I think
some rigs have a low level output for use with transverters.

>
>ii) It's a nuisance not being able to operate 144MHz and HF simultaneously. Why
>would I want to? So I can connect to the local PacketCluster *and* listen for
>the DX!

Moonbounce and UHF DXing/contesting is a whole different game than
local packet. I would use a separate rig for packet.

> Also, you can't operate some of the satellites that use VHF/UHF uplinks
>and 28MHz downlinks.

If you want full duplex, then you need a second receiver, but that is also
true if you are using a UHF allmode.

-don perley

perley@trub.crd.ge.com

From -6409810263729509411
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,25c3d4409f2bb4ed,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 03:03:26 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sun-barr!newstop!west!L1-A.West.Sun.COM!flloyd
From: flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242)
Newsgroups: rec.ham-radio
Subject: I bought it!
Message-ID: <1343@west.West.Sun.COM>
Date: 24 Jan 91 21:39:19 GMT
Sender: news@west.West.Sun.COM
Organization: Sun Microsystems, Mt. View, Ca.
Lines: 311

With my hand shaking, I nervously wrote out the check... $1629.00 plus
tax. I'm not one who can afford to make a $1600 mistake and if it
weren't for my trade in allowance I wouldn't have done it at all. Now
that I've owned it for all of 1 day, I'm so excited that I can hardly

wait to write about it.

Im talking about the new Kenwood TS-850S. Yesterday, I traded in my old reliable TS-440 (sniff) and took the plunge. For the past several months, I'd been eyeing the TS-950SD but could not for the life of me see paying ~$3500+ for the thing. Worse yet, I'd heard some mixed reviews about it which weren't all that great.

Last Monday I stopped in to the local candy store and lo and behold there it was - the TS-850. I'd seen it in the magazines for about 2 months now and it had just arrived. Although I had previously discounted it in my mind as a lesser radio (compared to the 950), I sat down to it anyway to see what it had to offer. Within about 20 minutes I was hooked and had made the decision to buy.

After reading most of the manuals (yes, there's more than 1) and playing around with it for an evening, I have the following to report:

FEATURES:

Here's what the basic rig has built in (in no particular order):

- Band stacking
  I really wanted this on the 440. Although there's not a separate button for each band, when you use the UP/DOWN buttons to change bands the computer remembers your last used FREQ/FILTER/MODE for that band.

- Serial computer interface (TTL).
  This has been an option on most all of the previous Kenwood rigs. Now, all you need is a simple level translator (1488/1489) to run this on RS-232).

- PL tone encode
  Again, what was once an option is now standard. Can't say that I'm that interested in 10m repeaters but it's nice anyway. The PL mode is adjustable for Burst or Continuous.

- Electronic keyer with adjustable weight
  This will likely become standard on all future rigs in the mid to high price range. Haven't tried mine yet since I just had built the QST CMOS Super Keyer II (sigh).

- Auto CW keyer weight adjust according to speed
  This adjustable feature apparently does a weight adjustment for you as the speed increases. It can be disabled. The adjustment can be set to increase or decrease the dash length with increases in speed.

- 105 memories plus band memory for each band
  100 main memory channels in the typical Kenwood fashion. Channels 90-99 are special function for split and for programmed scan band limit. 5 more "Quick" memory channels

(see below).

- 5 position FIFO scratch pad memory

This is really neat. There's a couple of little buttons right next to the VFO knob labeled "Quick Memory" MI and MR. Pressing MI puts the current VFO/filter/mode selection into the top of the scratchpad stack. When another frequency of interest is found, you press MI again and what was in #1 is pushed down to #2, the new frequency becomes #1 and #5 falls off the end of the stack. This is completely independent of the regular 100 memory channels.

- All mode output power level control

The PWR control controls output power independent of the current mode selected. You still have your CW Carrier level and MIC gain controls as well.

- Automatic Tuner with band memory

A big improvement over the TS-440 auto tuner, and even better than that in the 950. There's the same Auto/Thru switch and a AT TUNE switch. The nice thing about this one is that when you press AT TUNE, the rig tunes up and releases (it's a momentary button). In the older rigs, you had to release the AT TUNE button yourself. As you change bands, the auto tuner automatically switches to pre-programmed positions so that when you do hit the AT TUNE switch the tuner is almost ready to go - thus shortening tuning time.

- Manual auto tuner override

This is quite interesting. By setting one of the options on in setup mode, you can indicate that you prefer to operate the internal tuner manually. To do this, you watch the SWR meter and turn the VFO and the MCH/VFO knobs for best indication.

- Digital CW pitch control 400 - 1000 hz

Another nice feature. The digital selection is made in steps of 50hz from 400 to 1000 hz. Changes both tone and transmit offset.

- Fine tuning button

I don't know how I ever lived without this one. By pressing one button, the resolution of the VFO knob is divided by 10 allowing for very smooth fine tuning adjustments. Should be very good for RTTY and also very helpful for SSB transmissions.

- Tune switch to zero beat a received CW signal

This button is used for tuning a linear as well as zero beating incoming signals for CW.

- Memory scan, programmed band scan, adjustable scan speed

The scan speed control is a nice touch. While scanning, you turn the RIT control to speed up or slow down the scan. Scan rate is adjustable (in VFO mode) from between 700hz/sec to

20hz/sec. There's also an auto-resume mode which will allow you to twiddle the VFO knob a bit and then after a period of inactivity it will resume scanning.

- All memories store filter and mode selection with frequencies

This is getting to be a bit more typical in the newer rigs but coming from a TS-440 I'm still impressed with it.

- Reverse function for LSB CW and USB FSK

This is truly unique and I've not seen it elsewhere. By hitting the REV button you can switch sidebands on CW and FSK. Probably most useful for FSK.

- SSB slope tune (no more IF shift control)

Although this has been out a while, I can already tell that I like it better than the TS-440's IF SHIFT function.

- M CH/VFO knob for fast band excursions

This little knob, just to the right of the VFO, is an optically encoded shaft which is used for all sorts of things. Normally, it is used to either scroll through the memory channels or to traverse the band in 10khz steps. Takes no time at all to move up or down hundreds of kilohertz. The main VFO does not appear to change excursion rate with knob speed as the 440/940 did. Incidently, unused memory channels don't show up when you're scrolling through memory.

- 2 Adjustable noise blankers

There's a fast blanker for ignition type noise and a wide blanker for woodpecker noise. The width of the wide blanker is adjustable with a front panel knob.

- Adjustable speech processor

Sure, these have been around for years, but not on the TS-440 which only had a PROC ON/OFF switch. It's nice to have control back.

- Monitor function with separate level control

I also missed this on the 440 although Kenwood has been offering it for years on the other rigs. Glad to see it return.

- 32 adjustable function setup procedure

Say goodbye to dip switches and clipped diodes. We now have a smart user interface that allows you to set some of the CMOS RAM operating parameters. The only drawback that I can see is that the setup procedure can only be invoked at power-up time by holding the USB/LSB switch.

- Lock out function

Completely disables transmit. Turn the rig into a receiver to prevent unauthorized usage.

- Adjustable FSK shift

This is nice too. You can select from 170 to 850 hz shift in
4 or 5 steps.

- Adjustable RIT/XIT range
This can be set to +- 1.4khz or 2.8khz in 10 or 20hz steps.

- Display dim control
A single button on the front panel - bright or dim. Bright
does not seem as bright as the 440 however. Regardless,
there's no trouble reading anything.

- IF output for band scope
The 440 did not have this either. Now you can have direct
access to the 8.33 Mhz IF.

- 2 850's can be connected in master/slave arrangement
By connecting 2 850's together via their serial ports, one can
dump it's contents into the other. I'm not quite sure yet what
this will buy you. It's probably cheaper, however, and more
flexible than buying a TS-950 with it's crippled dual receive
function.

- Display can indicate transverter frequencies (144/220/450)
This will be very nice, as soon as the transverters are
available.

- DVR (option) stores cw and voice messages (3)
I didn't buy the DVR but am thinking about it. There are 3 record
and play buttons on the front panel for operating it.

- Remote control input
By building a small box with resistors and switches in it, you
can plug it into the back through a single 3.5mm plug to
control 11 different functions (DVR, VOICE, Quick Memory,
etc.). The input resistance on the 3.5mm jack is sent to an
internal A/D converter, sampled and decoded into a function.

- 13 pin DIN and 6 Pin DIN interface connectors supplied
I had to buy one of those @#$# 13 pin DIN's for the 440. The
plug was hard to get and expensive. Now it comes with
the radio - finally.

- Comes with separate remote programming manual
A nice manual covering all of the functions available on the
serial control port.

- 3 speed AGC control
Fast, Medium, Slow and Off. Again, big improvement over the
440 which only had Fast and Slow. When AGC is off, however, the
S-Meter ceases to function. Although normal, I found was this
confusing at first.

- Peak reading multifuntion digital meter (as with TS-950)

I like the new metering. Some of the old timers who are bad-mouthing the 950 say that they would rather have an old analog meter. The peak hold amounts to a single bar element which stays on for a second or two after the last highest excursion. Nice for figuring RST reports when conditions are fluctuating.

- Dual cascaded selectable IF filters (as with TS-950)
Filtering is very good with this arrangement and I plopped down the extra $200 to get the pair of 500hz filters (I work a lot of much damned CW mode).

- Auto mode shift (USB/LSB) according to frequency
Nice and it's about time.

- Linear amp relay enable switch on back panel
The 950 has this too. On the 440 you had to open up the radio and install a jumper to enable the linear amp TR relay. The problem was that the relay makes a lot of noise which I don't care for when operating QSK CW (oops! I said the C-word again :-). The switch allows you to disable the clatter when you're not running QRO.

- Many more I/O connectors on the back panel
Lot's more - many relating to the external DSP box which I haven't seen yet. Don't know that I'll put $500 down for one yet, I'll have to see some proof of it's worth first.

- It comes with a microphone (same mic as the 440).
Many of the base-style rigs don't come with a Mic. The dividing line seems to be power supply. If the rig runs of 110, it doesn't come with a mic.

- Enhanced split frequency operation
You can split between: VFO-A/VFO-B, VFO-B/MEM, VFO-A/MEM in any combination of transmit/receive.

+ more that I can't think of right now...

OTHER IMPRESSIONS

The salesman at the candy store said that Kenwood had underpriced this radio. I tend to agree since it's only $400 above the price of the TS-440. The TS-440 has been the best selling rig of all time but I do believe that its days are now numbered. Also, there are some non-overlapping features between the 950 and the 850 to the point where I really think that 950 sales will suffer. Unless you really-really think that the sub-receiver is worth it, and that the extra 50 Watts is needed, then I can't really think of a reason to buy a 950. I'm sure there are some, but not for me.

Also note that the 850 operates on 12 Volts!. The companion PS-52 power supply (not included in the $1629 price) is wimpy. It's rated at only 16A continuous. I opted to keep my Astron 35. The companion speaker, the SP-31 is ugly. It does not have a wire-mesh grille and you can see the speaker cone when looking at its front. It does have a couple of passive filters but it did not sound appreciably different than the built-in speaker - again, I passed on it.

The optional 500hz filters seem to be of a much higher quality than those I had in the 440. With the 440 where was noticable insertion loss of about 2 to 3 s-units. Not so in this rig and about all I see is 1/2 to 1 s-unit penalty for filtering.

The construction of the radio is almost all SMD (surface mount devices). I only took the bottom cover off to install the filters but inside I saw no leaded components. The boards were profusely lettered which should help in troubleshooting. Some of the potentiometers were only about 1/8" square!.

My general impression is that I'm operating a computer that looks and acts like a radio. This is more evident in this rig than any other I've seen. Learning the various commands, however, was not at all difficult (although I'll concede I'm a computer person), and I believe that the user interface is very well done. The Quick Memory, for example, was impossible to decipher until I had read the manual (RTFM!). After reading it, however, I had no trouble at all.

CONCLUSION

Well, this article has gone on about long enough as I've spent about as much time writing about it as I have using it. I'll post any updates or new info as I become aware of them. As you can probably tell, my initial reaction has been positive :-).

73's

-fred

```
--
| Fred Lloyd  AA7BQ                        Fred.Lloyd@West.sun.com |
| Sun Microsystems, Inc.                                ...sun!flloyd |
| Phoenix, AZ       (reality -- what a concept!)    (602) 275-4242 |
```

From -2879592432695379486
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,213adfcec3c2dbeb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,213adfcec3c2dbeb,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-25 04:35:48 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!think.com!linus!philabs!ttidca!paulb
From: paulb@ttidca.TTI.COM (Paul Blumstein)

Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Numbers lady on 30 meters
Message-ID: <22886@ttidca.TTI.COM>
Date: 24 Jan 91 21:40:16 GMT
References: <1133.279D6A66@w8grt.fidonet.org>
<1991Jan23.170640.12281@mailer.cc.fsu.edu>
Organization: The Argument Clinic [no it isn't]
Lines: 15
Xref: gmdzi rec.ham-radio:19819 rec.radio.shortwave:3829

In article <1991Jan23.170640.12281@mailer.cc.fsu.edu> rocker@fsucs.UUCP (Raymond
Rocker(csg)) writes:
+With the onset of Desert Storm, I've noticed a sharp increase in activity on
+the SW channels used by MOSSAD (Israel's version of the CIA).

I have also seen reference somewhere (Monitoring Times?) to Mossad Frequencies.
What puzzles me is that how does anyone know that it is the Mossad. It is
not Hebrew, for one thing. I can guess that the Mossad doesn't advertise
their frequencies. Has it been triangulated to Israel? Could other countries
be spreading disinformation?

```
=====================================================================
Paul Blumstein    |    Posted by a mild-mannered computer jock
Citicorp/TTI      |    working for a great metroplitan bank
Santa Monica, CA  +--------------------------------------------------
{rutgers,philabs,psivax,pyramid}!ttidca!paulb  or  paulb@tti.com
DISCLAIMER:  The posting ain't over till Milli Vanilli sings
```

From -6056941362291865427
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bf035c08b9bf1882,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 05:48:09 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!usc!ucsd!ucbvax!
cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: What do you want in a rig? (was 'ricebox')
Message-ID: <9101242042.AA09713@tilde>
Date: 24 Jan 91 20:42:04 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 52

From: CPDVAX::DUBE   24-JAN-1991 14:39:16.55
To: INFOHAMS
CC: DUBE
Subj: What do you want in a rig? (was "ricebox")

Gary, KE4VZ, has mentioned a lot of stuff about what makes Japanese rigs
stand out against American products. I agree with almost all he had to
say about the subject in general: what the user wants. As for such
names asn Motorola, et al, one must keep in mind that they are *not* in

the consumer electronics business with their radios, or I'm absolutely certain that their marketing department would have a pretty good handle on what the *consumer* wanted. Then again, Hams are not the "consumer" market that marketing departments usually think about when they talk about "consumer electronics". They are a very narrow niche market which few are willing to invest in. What Hams usually see, IMHO, is spinoffs from other equipment that the company may be making for military or commercial markets.

What do *you* want in a rig? Everyone has his own set of requirements for functionality; and everyone has his own idea of what constitutes "quality" in a product. For instance, for me a "quality" product must have these:
1. 100-200 watts out on 160-10 meters.
2. Will load into a dead short or open circuit for a reasonably short time without blowing up.
3. Rock-solid stability under all operating conditions, and low or no long-term drift.
4. Knobs and controls easy to manipulate and don't fall off, slip, and not jammed together like sardines.
5. Frequency readout that is easily readable, and can be depended upon to be accurate day after day after day.
6. Easy to maintain. After all, no piece of equipment will last forever; and if it needs fixing, I don't want to have to take it to a brain surgeon.
7. Receive sensitivity and selectivity such that I can copy everyone who can copy me without being wiped out by the Ham down the street operating 100 kHz away.

Requirements 2 through 7 apply to rigs for any band above 10M. Notice that I didn't include memory capability. To me, that's just unnecessary expense for bells and whistles which contribute little to the performance of the radio. If you are going to build a radio for me, you can put that hundred dollars into triple- or quadruple- saftey factor components that will last longer, and a heavy copper-plated chassis with lots of shielding. Or in more expensive finals that will loaf along at rated output. I don't attach much importance to miniaturization, so you can make mine a mite large; certainly not any smaller than, say, an FT-101.

That's *my* requirements. As Phil says, "your mileage may differ". How's a prospective manufacturer to know? Well, if I were in the marketing department of a mfgr who made Ham gear, I'd ask. And ask, and ask, and ask; just as Gary said. When I got a lot of answers, I'd try to make a product (or, more likely, several products) that met what the majority of Hams said they wanted.

73,
Dube   N5PDK

```
From -5816156322351474906
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,49f4feb6e9496862,start
X-Google-Attributes: gid105d97,public
X-Google-Thread: 10b271,49f4feb6e9496862,start
X-Google-Attributes: gid10b271,public
```

```
X-Google-ArrivalTime: 1991-01-25 06:09:22 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!emory!samsung!uunet!opel!
arinc!vk2bea!michael
From: michael@vk2bea.UUCP (Michael G. Katzmann)
Newsgroups: rec.ham-radio,sci.electronics,sci.physics
Subject: GPS accuracy in wake of Desert Storm?
Keywords: GPS Navigation
Message-ID: <846@vk2bea.UUCP>
Date: 25 Jan 91 14:09:22 GMT
Followup-To: rec.electronics,rec.ham-radio,rec.physics
Organization: Broadcast Sports Technology., Crofton, MD
Lines: 14
Xref: gmdzi rec.ham-radio:19885 sci.electronics:11100 sci.physics:11215

Has anyone noticed a degradation of the Navstar GPS system since the
outbreak of unpleasentness in the middle east?

The implication, when GPS was first started, was that during times of
crisis the C/A code would be degraded so that an enemy could not use it.

Does differential GPS totally get around this, or is there a trick
they can use to defeat this technique?

--
Michael Katzmann    >  Broadcast Sports Technology Inc.
~~~~~~~~~~~~~~~~    <  Crofton, Maryland. U.S.A
Amteur Radio Stations:    >
NV3Z / VK2BEA / G4NYV    <  UUCP: uunet!opel!vk2bea!michael


From 2536709939356069436
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,547736a6b707cf49,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 07:59:00 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-
state.edu!sdd.hp.com!hplabs!hpl-opus!hpspdra!henryb
From: henryb@hpspdra.HP.COM (Henry Black)
Newsgroups: rec.ham-radio
Subject: Re: ham calls on CB
Message-ID: <12280034@hpspdra.HP.COM>
Date: 25 Jan 91 15:59:00 GMT
References: <42862@ut-emx.uucp>
Organization: HP Stanford Park - Palo Alto, CA
Lines: 16

oo7@ut-emx.uucp (Derek Wills (AA5BT, G3NMX, good buddy)) writes:
>   Would you mind a CBer using *your* callsign?  This could be fun, can I be
> 9N1MM?   Can you identify using the call of a commercial radio station too?

A ham call sign identifies the station, not the operator.  A CB "handle"
identifies the operator, not the station.   So if you use a ham call as
a CB handle it's important to make sure that no reasonable person could
```

mistake it for a station ID. Otherwise it's a deceptive radio signal or
it's operation out of band. Either way it's grounds for having the ham
station license pulled if the signal is sent with the knowledge and
consent of the station licensee.
In short using a ham call this way is needlessly risky.
Why not use (for example) "Derek" as a CB handle ?

Henry Black (KK6JR, G4NOC, Henry) henryb@hpspd.HP.COM   +1 415 857 6655
Purely my views, not intended to represent those of Hewlett Packard Co.

From -5200975359996776363
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4a9d4e0de01c569,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 10:00:47 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcupt1!hprnd!billt
From: billt@hprnd.rose.hp.com (Bill Thomas)
Newsgroups: rec.ham-radio
Subject: Re: DANGER in sexless Standard 12V DC Connectors
Message-ID: <15780014@hprnd.rose.hp.com>
Date: 25 Jan 91 18:00:47 GMT
References: <1991Jan21.070246.23768@ux1.cso.uiuc.edu>
Organization: HP Roseville Networks Division
Lines: 34

I believe the part numbers for Anderson Power Products parts are
as follows:

contact: CAT. 1330 POWFRPOLF 30AMP CONTACT #12 QTY 1
contact: CAT. 1331 POWFRPOLF 30AMP CONTACT #12 QTY 100

red body:CAT.1327 POWERPOLE 30AMG HSG/SPG RED QTY. 100
black body: ?

The address of the company from the box is as follows:
Anderson Power Products,
Division of High Voltage Engineering
145 Newton Street
Boston, Massachusetts
02135

To connect two cables you would need 4 contacts, 2 black bodies, and 2 red bodies. The bodies are grooved on the sides so they can be locked together into a single plug. A screw can be used to pernamently lock a black and red body together but so far the connectors stay together all by themselves because the cable they are attached to prevents them from slipping apart. For cable I use the dual conducter cable that is used on boats. It is made in various gauges. One side is red and the other is black. I split the cable down the center as far from one end as is necessary to attach the connectors. A short length of heat shrink tubing is used to prevent the split from traveling further down the cable.

I do not know why this connector was chosen over others. The most apparent advantages are that there is no gender problem and it is intuitively obvious which contact is plus, i.e. the red one. Since this connector is being used state wide, anything which reduces the chance that one department, county, or service district would do something backwards from everyone else is eliminated. Some of these entities are more than than 500 miles from each other.

From 5617794701505677769
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,649c8b47ea859848,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 10:34:37 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!cs.utexas.edu!rice!uw-beaver!milton!ogicse!pdxgate!parsely!percy!qiclab!techbook!jrr
From: jrr@wiffle.techbook.com (john rosenbaum)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TM-941A
Keywords: Triband
Message-ID: <esecw1w163w@wiffle.techbook.com>
Date: 25 Jan 91 18:34:37 GMT
References: <1991Jan22.203814.22595@ucselx.sdsu.edu>
Sender: bbs@techbook.com (waffle BBS)
Organization: TECHbooks Bookstore, Beaverton OR
Lines: 22

c-stumpf@steer.sdsu.edu (Robert S. Radvanovsky KC6ONL) writes:

> I have recently won this radio from a raffle. I've no idea how good or bad
> this radio is other than that it is very expensive in the retail market.
> I am a new HAM (about 3 months) and have figured out some of the concepts
> enough to get me by. For those that have this radio, do you or have you
> have(had) any problems with this rig? Second, those who do not have this
> radio (and would like to comment), do you have any preferences about anything
> good or bad about this radio? Has anyone encountered trouble with the
> performance and daily operation of this radio?
>
> I do not know if this was the approriate area to ask this question. For thos
> who wish to reply, please send PRIVATE E-mail to this account. Thank you.
>
> Robert S. Radvanovsky, KC6ONL

I am seriously interested in buying this radio right now. I have heard it is very good and is very promising.. If you find any other information about this radio, could you please send it to me at johnr@twiki.pdx.com.

Thankyou
John Rosenbaum

From -7152273447875698861
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,213adfcec3c2dbeb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,213adfcec3c2dbeb
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-25 12:26:04 PST
Path: gmdzi!unido!mcsun!uunet!unisoft!fai!sequent!edw
From: edw@sequent.UUCP (Ed Wright)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Numbers lady on 30 meters
Message-ID: <51595@sequent.UUCP>
Date: 25 Jan 91 20:26:04 GMT
References: <1133.279D6A66@w8grt.fidonet.org> <98034@aerospace.AERO.ORG>
<38441@cup.portal.com>
Reply-To: edw@sequent.UUCP (Ed Wright)
Organization: Orygun Society For HUman Rustabillity Assessment
Lines: 22
Xref: gmdzi rec.ham-radio:19902 rec.radio.shortwave:3888

In article <38441@cup.portal.com> Firesign@cup.portal.com (Glenn Firesign
Josephson) writes:
%In fact, according to Havana Moon's book "Uno,Dos,Cuatro..A Guide to
%the Numbers Stations", several of these transmissions, have, over time
%been tracked to various locations. Some have been tracked to a military
%installation near Warrentom/Remington, Va. SOme have been tracked to
%an installation near the Dade County Zoo in Florida. Some have been
%determined to be eminating from Cuba (*German* numbers no less!).
%Most are unknowns, though. HM's book is interesting reading by the way.
%It's published by Tiare Publications, ISBN# 0-936653-06-X.
%Glenn

It would not be so hard for folks to post an rdf azimuth and their
location to the net , and then after a few postings we could all
sort out where the numbers folks are.
Ahhh the power of the net.
Ed
KA9AHQ
--
 I think I've got the hang of it now .... :w :q :wq :wq! ^d X exit
 X Q :quitbye CtrlAltDel   ~~q :~q logout save/quit :!QUIT ^[zz
 ^[ZZ ZZZZ ^H ^@ ^L ^[c ^# ^E ^X ^I ^T ? help helpquit ^D ^d
 ^C ^c helpexit ?Quit ?q decwrl or uunet or tek !sequent!edw

From -1997843305834329695
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,213adfcec3c2dbeb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 12:35:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!
elroy.jpl.nasa.gov!aero!obrien
From: obrien@aero.aero.org (Michael O'Brien)

Newsgroups: rec.ham-radio
Subject: Re: Numbers lady on 30 meters
Message-ID: <98317@aerospace.AERO.ORG>
Date: 25 Jan 91 20:35:51 GMT
References: <1133.279D6A66@w8grt.fidonet.org> <98034@aerospace.AERO.ORG> <1991Jan24.235328.2856868@locus.com>
Sender: news@aerospace.aero.org
Reply-To: obrien@aero.aero.org (Michael O'Brien)
Organization: The Aerospace Corporation
Lines: 22

So, the upshot seems to be that the "numbers stations" can be located (at least some of them) and that they are not-so-secretly identifiable with various intelligence agencies.

But they aren't frequency-coordinated or sanctioned by anybody, at least, not under ITU or Federal regulations. Technically, that would mean that no one could be nailed for interfering with them under FCC regulations, at least, in terms of interference with another assigned service.
Of course, they run about a megawatt so attempted interference would be futile. And they don't seem to be commonly jammed, either, which has to be curious. Perhaps potential jammers find more benefit in copying the numbers and trying code-breaking.

The point is that these transmissions aren't "legit" under the federal and international frequency regulations. I have heard it rumored that other federal services tend to wander all over the bands as well, because they are at the same level as the FCC and hence immune from regulation.
Co-ordination yes, regulation no. I'd be interested in knowing the legalities of this.

--
Mike O'Brien
obrien@aerospace.aero.org

From 5435431687942296380
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14c14bcc5777840,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 12:53:02 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!cs.utexas.edu!asuvax!anasaz!rusty
From: rusty@anasaz.UUCP (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: beggine (was Re: WEFAX question and comments)
Message-ID: <3624@anasaz.UUCP>
Date: 24 Jan 91 22:41:03 GMT
Reply-To: rusty@anasaz.UUCP (Rusty Carruth)
Organization: Anasazi, Inc.
Lines: 11
Posted: Thu Jan 24 16:41:03 1991

In article <246@heimat.UUCP> dan@heimat.UUCP (Dan 'Sneakers' Schein) writes:

> I beg to differ ;-)

Don't beg, Dan, it looks tacky!   :-)

--
+++ 73 de Rusty Carruth, N7IKQ +++ Bang: ames!ncar!noao!asuvax!anasaz!rusty
inet: anasaz!rusty@asuvax.eas.asu.edu Pony xpress: POB 27001, Tempe AZ 85285
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz
The Ham Callsign Project, part 3 (the 1990 version) - its HERE! Email for info

From 9112460743125909859
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e5281544b3e6c22e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 12:59:30 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!apple!portal!cup.portal.com!mmm
From: mmm@cup.portal.com (Mark Robert Thorson)
Newsgroups: rec.ham-radio
Subject: old WW2 aircraft electronics manuals
Message-ID: <38451@cup.portal.com>
Date: 25 Jan 91 06:25:28 GMT
Organization: The Portal System (TM)
Lines: 30

I have some WW2 manuals for military electronics equipment available free if you pick them up at my house or for a small fee if you want them by mail. Priority goes to people who have the actual equipment described by these manuals.

AN/ARN-8	Marker Beacon Receiver
RAK-7	Radio Receiver
AM-40/AIC	Interphone Amplifier
AN/ARC-1	Aircraft Radio Equipment
AN/ARC-2	Aircraft Radio Equipment
ZB-3	Aircraft Radio Homing Adapter Equipment
LM-15	Crystal Calibrated Frequency Indicating Equipment
AN/APN-4	Radio Set

I intend to keep the following manuals, but would consider parting with them to a sufficiently interested party.

TS-45/AP	Radar Test Set
TS-146/UP	Radar Test Set
TS-147/UP	Radar Test Set
TS-148/UP	Radar Spectrum Analyzer

I'd be interested in what installations had the AN/APS-4, AN/APS-6A, and AN/APS-15 radars. These are some of the radars mentioned in these manuals. I know AN/APS-15 was used in B-17 bombers, because there's pictures of TS-146/UP being used both inside and outside the bomber. I'd like to know what theaters and during what time span these radars were used.

I'd also like to know if there were microwave spectrum analyzers which
are older than the TS-148/UP, either military or civilian.

```
From 8321428692474616330
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bf6d0907f93e4f0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 13:02:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: Sex and CW outmoded?
Message-ID: <1991Jan25.011337.18401@informix.com>
Date: 25 Jan 91 01:13:37 GMT
References: <1991Jan24.150746.21155@lonex.radc.af.mil> <678@chiton.ucsd.edu>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 32
```

You know, this brings up an interesting subject. Do hams have less sex
that other people? If this is true, then it explains a lot about the
hobby. Perhaps the ragging on the ARRL and Radio Shack is simply
misplaced sexual tension. Maybe the new no-code thing violates a
deep-seeded need to have some sort of passage into manhood. Are huge
vertical antennas really phallic symbols? I do notice that a lot of
hams seem to have interesting ideas about antennas, you know: "mine's
bigger, so it's better", "yeah, my vertical is smaller, but it packs more
power into a small size", "my vertical gets out further", "I get better
reports from my vertical", etc.   Just what is a ham saying when he talks
about a "full quarter-wave with radials?" I'm sure if Freud had been a ham,
he would have written extensively on the subject.

The big question is does ham radio CAUSE a lack of aforementioned physical
activity. Well, I'm a ham, and I haven't so much as had even one
date in months. Of course, I think this is because I've spent my
Saturday nights lately building all those different versions of twin-lead
jpoles that have been posted on the net.   I don't know why .... I already
have a 2m antenna that works just fine ... I feel that it somehow is a
deep calling from within me.

Perhaps if I were to give up jpole building, stay away from Radio
Shack, and build a 40m vertical that I would see significant improvement
in my love life. Maybe if QST had an annual swimsuit issue like Sports
Illustrated, people would like the ARRL more. Then again, maybe such
questions are better suited to psych.ham-radio or rec.sex-never-received.

--

=-=

Randall Rhea Informix Software, Inc.
Senior Programmer/Analyst, MIS uunet!pyramid!infmx!randall

From 8677325789251196111
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,77cf87b354e7eab,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 13:14:01 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: POTENTIAL MAJOR FLARE WARNING - ATTENTION
Message-ID: <910125013230.29e014cf@HG.ULeth.CA>
Date: 25 Jan 91 08:32:30 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 126

/\

POTENTIAL MAJOR FLARE WARNING

ATTENTION ATTENTION

/\

January 25, 1991

ATTENTION:

A significant surge of solar activity has begun. Two very significant and very large active regions have developed and are now capable of spawning major energetic flare activity. In addition, significant activity has been observed on the eastern limb. Loops and an associated flare was observed near S14E90 today. The solar flux has exploded to a value of 244 and is expected to rise perhaps in excess of 260 by the time the peak is reached. The sunspot number has likewise experienced a dramatic increase and is now reported at a value of 216 (although it will likely climb quite higher as the eastern limb region(s) rotate into view).

This warning presently applies to Regions 6462 (S15E32) and Region 6466 (S09E37). THESE REGIONS ARE CAPABLE OF SPAWNING VERY STRONG MAJOR FLARES ANYTIME OVER THE NEXT 3 TO 7 DAYS! PROTON FLARING IS A STRONG POSSIBILITY FROM THESE REGIONS.

Region 6462 has an FKI optical configuration and now sports a potent Beta-Gamma magnetic configuration. Magnetic gradients in this region are HIGH. It covers an area of 3,780 million square kilometers and encompasses a total of 59 sunspots. It has an angular extent of 18 degrees. MAJOR FLARING FROM THIS REGION MAY BE IMMINENT!

Region 6466 also contains an FKI optical configuration and contains a strong Beta-Delta configuration. Magnetic gradients in this region are also HIGH. This region contains 42 sunspots within an area of 2,970 million square kilometers. It has an angular extent of 17 degrees. MAJOR FLARING FROM THIS REGION IS ALSO IMMINENT!

At 03:18 UT on 24 January, a long-duration class M3.2/SN flare was generated jointly by Regions 6462 and 6466. The duration of this flare was an enormous 173 minutes (2 hours, 53 minutes)! It was accompanied by significant radio bursts as well as Type II and Type IV sweep frequency events. The flare location was at S19E42 and was associated with a strong 5,800 s.f.u. (solar flux unit) radio burst at 245 MHz. It produced a SID/SWF between 03:18 UT and 06:11 UT, affecting frequencies up to 13 MHz. This flare WILL produce a terrestrial impact with the earth (see below).

The Space Environment Services Center has issued a condition YELLOW alert status for potential PCA activity. Translated, this means that if a major flare occurs in either Region 6462, or 6466, the probability that the flare will eject energetic protons capable of producing potentially significant PCA activity, is very high.

MAJOR ENERGETIC FLARING WILL BE POSSIBLE FROM REGIONS 6462 AND/OR 6466 FOR AT LEAST THE NEXT 3 TO 7 DAYS (possibly longer). WATCH FOR IMPENDING MAJOR FLARE ALERTS.

RECENT MINOR FLARE TERRESTRIAL IMPACT FORECAST

The class M3.2/SN long-duration event which was accompanied by Type II and a moderate Type IV sweep frequency events is expected to produce a terrestrial impact. The accompanying shock is expected to reach the earth late on 26 January through 27 January. Geomagnetic activity is expected to reach minor to major storm levels over high latitudes, but should be mostly active to very active over middle and low latitudes. There is a risk of minor storming over middle latitudes.

An auroral storm may materialize over high latitudes on 26/27 January in response to the enhanced corpuscular radiation from this long duration flare. The auroral activity will be moderate with possible periods of high activity over high latitudes. Activity over middle latitudes should remain confined to mostly moderate levels, but some localized area's of high auroral activity may become visible over middle latitudes (particularly the northerly middle latitudes).

HF propagation conditions will become markedly degraded late on 26 January through 27 January. Moderate to high levels of distortion, noise, fading and flutter could be experienced, if activity reaches or surpasses the levels currently predicted. High latitudes will likely experience very poor radio propagation conditions late on 26 January through to 28 January.

VHF signals could experience some interesting phenomenon on 26/27 January, particularly over the northerly middle and high latitudes. There is a substantial possibility for auroral backscatter communications on VHF frequencies (6 meters to 2 meters) late in the day on 26 January and into 27 January. The best periods to attempt backscatter communications will be near sunset and near midnight (+/- a few hours). VHF signals will likely become degraded late on 26 January through 27 January as intense ionospheric ionization forms near and in the auroral zone during these potentially stormy days.

Active geophysical conditions and degraded radio conditions are expected to persist until about 28 January (barring any significant solar outbursts, which seem quite likely at the present time). It should be noted that the start-time of the degraded conditions may not occur until sometime on 27 January. However, models indicate the shock velocity should be high enough to impact with the earth late on 26 January or early on 27 January (UT time).

POTENTIAL MAJOR FLARE WARNING SUMMARY

- MAJOR ENERGETIC FLARING IS POSSIBLE IN TWO ACTIVE SOLAR REGIONS.

- THERE IS A STRONG POSSIBILITY FOR POTENTIALLY INTENSE PCA AND SATELLITE PROTON ACTIVITY FROM MAJOR FLARING (IF IT MATERIALIZES).

- PROTON FLARES ARE VERY POSSIBLE.

- INTENSE SID/SWF EVENTS ARE LIKELY OVER SUNLIT AREAS OF THE EARTH IF MAJOR FLARING OR PROTON FLARING OCCURS.

- TERRESTRIAL IMPACTS COULD BE HIGH IF PROTON FLARING BEGINS ANYTIME WITHIN THE NEXT FOUR TO SIX DAYS.

- PCA ALERT STATUS: CONDITION *YELLOW*.

- HIGH-LATITUDE PCA-INDUCED RADIO BLACKOUT WARNING HAS BEEN ISSUED. RADIO BLACKOUTS OVER HIGH LATITUDES ARE POSSIBLE IF PROTON FLARING OCCURS.

/\

From 2832888090471394782
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,213adfcec3c2dbeb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,213adfcec3c2dbeb
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-25 13:29:56 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!samsung!rex!uflorida!mailer.cc.fsu.edu!fsucs!rocker
From: rocker@fsucs.cs.fsu.edu (Raymond Rocker(csg))
Newsgroups: rec.ham-radio,rec.radio.shortwave

Subject: Re: Numbers lady on 30 meters
Message-ID: <1991Jan25.162956.11637@mailer.cc.fsu.edu>
Date: 25 Jan 91 21:29:56 GMT
References: <1133.279D6A66@w8grt.fidonet.org>
<1991Jan23.170640.12281@mailer.cc.fsu.edu> <22886@ttidca.TTI.COM>
Reply-To: rocker@fsucs.UUCP (Raymond Rocker(csg))
Organization: Florida State University - Computer Science
Lines: 26
Xref: gmdzi rec.ham-radio:19895 rec.radio.shortwave:3883

In article <22886@ttidca.TTI.COM> paulb@ttidca.TTI.COM (Paul Blumstein) writes:

>What puzzles me is that how does anyone know that it is the Mossad. It is
>not Hebrew, for one thing. I can guess that the Mossad doesn't advertise
>their frequencies. Has it been triangulated to Israel? Could other countries
>be spreading disinformation?

A few years ago an article appeared in Popular Communications (I forget the
exact issue) where a SWL in Tel Aviv traced the source of this particular
breed of numbers transmissions to the MOSSAD headquarters. Since then it's
generally been agreed that MOSSAD is behind them.

** updates to the MOSSAD frequency list (boy these are active lately) **

```
found frequency 5091 kHz w/"Juliet Sierra Romeo" marker at 0500 UTC
identifier on 5437 kHz is "Alpha Romeo Tango"
    "      "  5629 kHz "  "Sierra Yankee November"
    "      "  5820 kHz "  "Yankee Hotel Foxtrot"
```

--
Raymond R. Rocker - Department of Computer Science - Florida State University
Via the Internet   : rocker@nu.cs.fsu.edu
Via the ionosphere : WQ5L/4

From -646350652874646196
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a9716f7f1a9cde38
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 14:25:14 PST
Path: gmdzi!unido!mcsun!uunet!olivea!mintaka!snorkelwacker.mit.edu!usc!
zaphod.mps.ohio-state.edu!wuarchive!bcm!dimacs.rutgers.edu!rutgers!
cunixf.cc.columbia.edu!cunixb.cc.columbia.edu!mig
From: mig@cunixb.cc.columbia.edu (Meir)
Newsgroups: rec.ham-radio
Subject: Re: HT with tone burst and CTCSS tone
Message-ID: <1991Jan24.233212.29648@cunixf.cc.columbia.edu>
Date: 24 Jan 91 23:32:12 GMT
References: <1991Jan18.002437.19203@cunixf.cc.columbia.edu>
<1991Jan20.231220.21026@NCoast.ORG> <5630@feldspar2.UUCP>

Sender: news@cunixf.cc.columbia.edu (The Daily News)
Organization: Columbia University
Lines: 19

In article <5630@feldspar2.UUCP> svec@motcid.UUCP (Larry Svec) writes:
>A number of people have mentioned the Kenwood TH-75 has both tone burst
>and CTCSS (alias PL tone) but... on the UHF portion, the ads say it
>only covers 438-450. In Europe, their UHF allocation is 430-440.
>Has anyone extended their Kenwood TH-75 down to 430? Was there
>any compromise in the 440-450 band TX or RX worth noting?
>Thanks again...
>--
>Larry Svec - KD9OF
> home: 708-526-1256   e-mail: uunet!motcid!svecl   VHF: 145.150-
> work: 708-632-5259   fax: 708-632-2413, -3741   UHF: 443.575+
> "I know everything... even some things that are true!"

There is a European version.
You can apparently turn the American into the European with a diode mod.

```
 * * * * * * *  ======================= Meir Green
* * * * * * * * ======================= mig@cunixb.cc.columbia.edu
 * * * * * * *  ======================= N2JPG
```

From 8699000881705418429
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98b33d32c7a1238a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 14:43:37 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!usc!rutgers!cunixf.cc.columbia.edu!cunixb.cc.columbia.edu!mig
From: mig@cunixb.cc.columbia.edu (Meir)
Newsgroups: rec.ham-radio
Subject: Re: J-Pole / Dual Band
Message-ID: <1991Jan24.234202.24462@cunixf.cc.columbia.edu>
Date: 24 Jan 91 23:42:02 GMT
References: <YETSKO.91Jan22155557@interlan.interlan.com>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Followup-To: mig@cunib.cc.columbia.edu
Distribution: rec.ham-radio
Organization: Columbia University
Lines: 20

In article <YETSKO.91Jan22155557@interlan.interlan.com>
yetsko@interlan.interlan.com writes:
>Has anyone thought about a tri-band J-pole for 2M/220/440? I saw the
>designs for the dual-band 2M/440 J-pole and wondered how a Tri-band
>version would work, each part mounted 120 degess around a central
>pole.
>
>Also, how bad does transmitting on one band affect reception on the
>other band with the dual-band J-poles?

>
>Mike Yetsko
>InterLan
>N1DVJ

Would someone please send me the dual band j-pole information.
I missed it.
Thanks & 73.

 * * * * * * * ======================= Meir Green
* * * * * * * * ======================= mig@cunixb.cc.columbia.edu
 * * * * * * * ======================= N2JPG

From -3816770606840833448
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a9716f7f1a9cde38
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 14:52:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!sdd.hp.com!hplabs!hpda!hpcuhb!fel
From: fel@hpcuhb.cup.hp.com (Skip La Fetra)
Newsgroups: rec.ham-radio
Subject: Re: HT with tone burst and CTCSS tone
Message-ID: <10510021@hpcuhb.cup.hp.com>
Date: 25 Jan 91 22:52:55 GMT
References: <5548@feldspar2.UUCP>
Organization: Hewlett Packard, Cupertino
Lines: 22

/ hpcuhb:rec.ham-radio / koning@koning.enet.dec.com (Paul Koning) / 9:09 am Jan 25, 1991 /

> |>
> |>Caveat -- use a dummy load when trying this at home, to avoid out-of-band
> |>TX.
> |>
> Out of band? 420.005 MHz is in band, unless you're north of "Line A" or
> in one of two or three specific cities. Sure, the 70 cm equipment makers
>
>   paul, ni1d

That's what I get for letting my fingers do the thinking for me. When the original question asked about 438 MHz, my fingers assumed that was a limit without even talking to the brain.....   And rec.ham-radio has enough flames whenever anyone asks about out-of-band modifications that I wanted to take extra pains not to give any cause.

My fingers give their public apologies for the mistake. The brain wasn't involved. It proves that license class is not a good judge of how well or often people think.

- Skip AA6WK

```
From 4124786276877555301
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9fdb735badb99577,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 15:13:48 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!swrinde!
zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!psuvax1!rutgers!
cunixf.cc.columbia.edu!cunixb.cc.columbia.edu!mig
From: mig@cunixb.cc.columbia.edu (Meir)
Newsgroups: rec.ham-radio
Subject: Re: rfi help
Message-ID: <1991Jan25.001449.4655@cunixf.cc.columbia.edu>
Date: 25 Jan 91 00:14:49 GMT
References: <12905@hacgate.UUCP> <58130018@hpcupt1.cup.hp.com>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Organization: Columbia University
Lines: 14

In article <58130018@hpcupt1.cup.hp.com> holly@hpcupt1.cup.hp.com (Jim Hollenback)
writes:
>Try bypassing the speaker leads AT the amplifier end.  A 0.01 ufd or
>there abouts to the chassis and a speaker lead should do the trick.
>One capacitor per lead between the lead and the chassis.
>Jim, WA6SDM
>holly@hpcupt1.cup.hp.com

I recall that some amps are supposedly susceptible to problems of oscillations
when connected to a capacitave load.  I recommend using a choke before the
capacitor to eliminate such problems and help cure the RFI.

 * * * * * * *  ======================= Meir Green
* * * * * * * * ======================= mig@cunixb.cc.columbia.edu
 * * * * * * *  ======================= N2JPG
```

```
From -3291358711088645901
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,72f010307b11796,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 15:16:28 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!psuvax1!rutgers!
cunixf.cc.columbia.edu!cunixb.cc.columbia.edu!mig
From: mig@cunixb.cc.columbia.edu (Meir)
Newsgroups: rec.ham-radio
Subject: Re: Need a simple computer/radio interface
Keywords: Please say it isn't so
Message-ID: <1991Jan25.002106.30023@cunixf.cc.columbia.edu>
Date: 25 Jan 91 00:21:06 GMT
References: <CDEECE1E121F0016A2@uncg.bitnet>
<1991Jan24.125202.13009@lonex.radc.af.mil>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
```

Organization: Columbia University
Lines: 34

In article <1991Jan24.125202.13009@lonex.radc.af.mil> szarekw@lonexc.radc.af.mil (William J. Szarek) writes:
>In article <CDEECE1E121F0016A2@uncg.bitnet> MOSIER@UNCG.BITNET (Steve Mosier) writes:
>>I have a copy of Super Morse, . . .
>>Has anyone played around with hooking this up to a receiver . . .
>>I . . .[just] . . . want to see if my computer will copy morse off my receiver.
>
>Oh no!!! you mean a computer can do it now???? Oh man that would be *so*
>great! I'll bet the next thing they invent is a computer that can have sex
>for you too!!! :-)
>
>why bother?
>buzz
>wm1w

Have you ever tried copying code at 100 WPM?
How about sending it with a straight key?

Some people even like to record SSB QSOs in case they miss any information!
Worse heresy has been committed.
If you prefer to copy your code on a slate or on papyrus, that is fine, too.
Probably even better than a stick and sand!

Incidentally, computer generated code is a lot easier to copy since most
peopler have TERRIBLE fists!

No need to reply to this, I can also think of responses
Live and LET LIVE. I doubt that using a computer to receive code is the
FCC's idea of poor operating practice!

73 for now.

```
 * * * * * * *  ======================= Meir Green
* * * * * * * * ======================= mig@cunixb.cc.columbia.edu
 * * * * * * *  ======================= N2JPG
```

From 2542752972567397889
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bc4ba2dc50ec65c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,1bc4ba2dc50ec65c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-01-25 15:22:36 PST
Path: gmdzi!unido!mcsun!uunet!munnari.oz.au!metro!dmssyd.syd.dms.CSIRO.AU!steveq
From: steveq@syd.dms.CSIRO.AU (Stephen Quigg)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Flux Gate Compass
Message-ID: <1991Jan25.032656.3794@syd.dms.CSIRO.AU>

Date: 25 Jan 91 03:26:56 GMT
References: <541@cow.ecs.oz> <2939.279ef15b@iccgcc.decnet.ab.com>
Sender: news@syd.dms.CSIRO.AU
Organization: CSIRO Maths and Stats & Applied Physics, Sydney, Australia
Lines: 14
Xref: gmdzi sci.electronics:11060 rec.ham-radio:19832

In article <2939.279ef15b@iccgcc.decnet.ab.com> gibbonsj@iccgcc.decnet.ab.com
writes:
>In article <541@cow.ecs.oz>, bmp@cow.ecs.oz (Bruce Paterson) writes:
>> A friend is attempting to build (from scratch) a flux-gate compass
>> for use in a vehicle mounted dead-reckoning navigation system.
>
>stuff deleted...
>
>Why build one from scratch? You can buy a WWII flux-gate compass from
>a company called JOLLYCO (or something like that) out of Chicago. These
>are the real thing, minus electronics, for somewhere around $35.
>
>If you're interested, I can dig up / verify the company name & phone number.
Or buy a complete compass from Tandy (Radio Shack) for $Aus 99. Don't know
how good they are though.

From 8700647953647693792
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2e7b6ff3fc43ec85,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,2e7b6ff3fc43ec85,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-25 15:23:28 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!hplabs!pyramid!infmx!
randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Frequencies of radio Baghdad
Keywords: Baghdad
Message-ID: <1991Jan24.235418.16631@informix.com>
Date: 24 Jan 91 23:54:18 GMT
References: <1991Jan19.001647.19740@rodan.acs.syr.edu> <803@ssc.UUCP>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 25
Xref: gmdzi rec.ham-radio:19833 rec.radio.shortwave:3837
Posted: Thu Jan 24 17:54:18 1991

In article <803@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>In article <1991Jan19.001647.19740@rodan.acs.syr.edu>, japullin@rodan.acs.syr.edu
(Pullin) writes:
>>
>> Hello
>> Could someone email me if it is possible to listen to Radio Baghdad and in what
>> frequencies and hours?

```
>
>
>Sure.  Here it is.  Time is in UTC, of course:
>
>
>Iraq    R. Baghdad  0230-0430+  11830 11810     NA/SA/Ind/Pak
>                    2100-2300+  13660           Eu
>       V. of Peace 1000-1200*  11860           Troops in Gulf
>                    1600-1800*  11860           Troops in Gulf
>                    2001-2200*  11860           Troops in Gulf

Has anyone actually heard either station over the past few days?  I
heard that both are off the air ... gee, wonder why?

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Randall Rhea                                          Informix Software, Inc.
Senior Programmer/Analyst, MIS                    uunet!pyramid!infmx!randall


From -2401954164794403776
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bf6d0907f93e4f0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 15:29:12 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Sex and CW outmoded?
Message-ID: <1144.279F674F@w8grt.fidonet.org>
Date: 25 Jan 91 04:13:05 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 35


 > From: popyackl@lonex.radc.af.mil (Leonard J. Popyack)
 > Date: 24 Jan 91 15:07:46 GMT
 > Organization: RADC
 > Message-ID: <1991Jan24.150746.21155@lonex.radc.af.mil>
 > Newsgroups: rec.ham-radio
 >
 > WM1W Writes:
 > >
 > >In article <CDEECE1E121F0016A2@uncg.bitnet> MOSIER@UNCG.BITNET (Steve
 > Mosier)
 > writes:
 > >>I have a copy of Super Morse, . . .
 > >>Has anyone played around with hooking this up to a receiver . . .
 > >>I . . .[just] . . . want to see if my computer will copy morse off my
 > receiver.
 > >
 > >Oh no!!! you mean a computer can do it now????  Oh man that would be *so*
```

> >great! I'll bet the next thing they invent is a computer that can have
> sex
> >for you too!!! :-)
> >
> >why bother?
> >buzz
> >wm1w
>
> Does that mean sex is outmoded too?

Sex is NOT outmoded. Just having a sex proficiency test before issuing a marriage license.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -3490720533618922348
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,213adfcec3c2dbeb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,213adfcec3c2dbeb
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-25 15:29:52 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!usc!apple!portal!cup.portal.com!Firesign
From: Firesign@cup.portal.com (Glenn Firesign Josephson)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Numbers lady on 30 meters
Message-ID: <38441@cup.portal.com>
Date: 25 Jan 91 02:27:33 GMT
References: <1133.279D6A66@w8grt.fidonet.org> <98034@aerospace.AERO.ORG>
Organization: The Portal System (TM)
Lines: 14
Xref: gmdzi rec.ham-radio:19835 rec.radio.shortwave:3840
Posted: Thu Jan 24 20:27:33 1991

In fact, according to Havana Moon's book "Uno,Dos,Cuatro..A Guide to the Numbers Stations", several of these transmissions, have, over time been tracked to various locations. Some have been tracked to a military installation near Warrentom/Remington, Va. SOme have been tracked to an installation near the Dade County Zoo in Florida. Some have been determined to be eminating from Cuba (*German* numbers no less!).
Most are unknowns, though. HM's book is interesting reading by the way.
It's published by Tiare Publications, ISBN# 0-936653-06-X.
Glenn
Firesign@cup.portal.com
72561.1062@compuserve.com

Disclaimer: TINAR. I have no connection with Havana Moon or Tiare Publications. Period. So there.

From 3871625963112134392
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcac4daa4d00f5fa
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6c37ee251c4a908,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-25 15:39:43 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Medium Wave "clear channels" (was: CNN on shortwave)
Message-ID: <1991Jan25.233943.18140@informix.com>
Date: 25 Jan 91 23:39:43 GMT
References: <1991Jan19.061838.9721@cbnewsj.att.com> <1991Jan21.072332.25223@ux1.cso.uiuc.edu> <2003@ke4zv.UUCP>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 23
Xref: gmdzi rec.ham-radio:19873 rec.radio.shortwave:3872

In article <2003@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
>
>............ Also, the intent of the 50,000 watt clear channel rules in
>the AM band is to allow regional broadcast coverage already. At least for
>the eastern two thirds of the US, WHO in Des Moine covers this nicely.
>Their slogan is "From border to border and coast to coast and then some".
>Other wide coverage stations are WLS Chicago, WOWO Ft. Wayne, WWL in New
>Orleans, WBZ Boston, WLW Cincinati, and good old WSB in Atlanta. There
>are several more, but those are the ones I listen to on occasion.
>

Add KFI 640 Los Angeles to that list.

Is there still such a thing as "clear channel" on the AM BCB?   I thought that the FCC started getting away from that about 10 years ago due to complaints from local daytime-only stations that wanted to operate at night.

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Randall Rhea                                          Informix Software, Inc.
Senior Programmer/Analyst, MIS                    uunet!pyramid!infmx!randall
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From -3266996805766957683
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,213adfcec3c2dbeb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 15:43:44 PST

Path: gmdzi!unido!mcsun!uunet!olivea!decwrl!mejac!orchard.la.locus.com!fafnir.la.locus.com!dana
From: dana@locus.com (Dana H. Myers)
Newsgroups: rec.ham-radio
Subject: Re: Numbers lady on 30 meters
Message-ID: <1991Jan24.235328.2856868@locus.com>
Date: 24 Jan 91 23:53:28 GMT
References: <1133.279D6A66@w8grt.fidonet.org> <98034@aerospace.AERO.ORG>
Organization: Locus Computing Corporation, Inglewood, CA
Lines: 19

In article <98034@aerospace.AERO.ORG> obrien@aero.aero.org (Michael O'Brien) writes:

>
>People have been wondering about these various "numbers stations" for
>years. There are enough DF freaks out there that I'd have thought
>they'd track down a few of the stronger of these regular stations,
>at least. Just five or six guys around the country laying tracks
>down on a map should give a rough idea what's going on.
>
>How come we never hear about that?

This subject was discussed on rec.radio.shortwave last year. As I recall, several gentlemen located a numbers station. The discussion didn't yield any great detail but implied that these stations are operated by intelligence organizations that take security very seriously.

```
--
 * Dana H. Myers KK6JQ      | Views expressed here are  *
 * (213) 337-5136      | mine and do not necessarily    *
 * dana@locus.com      | reflect those of my employer   *
```

From -7443932506553314775
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 15:52:03 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: "ricebox"
Message-ID: <909@wells.UUCP>
Date: 25 Jan 91 03:51:11 GMT
References: <819@wells.UUCP> <1991Jan12.042810.28007@informix.com> <16052@crdgw1.crd.ge.com>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 12

1.   Comments about minor flaws in Drakes and Collins?

2. Cleaning a Drake bandswitch is sure a lot easier than
the routine maintenance on any Ricebox -

time cost etc

and when you're done you have a GOOD transceiver.

K3TX

From 8693732519277403115
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,25c3d4409f2bb4ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 15:52:06 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: I bought it!
Summary: query about the kenwood 850 or whatever
Message-ID: <910@wells.UUCP>
Date: 25 Jan 91 04:01:50 GMT
References: <1343@west.West.Sun.COM>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 15

AA7BQ reviewed all the bells and whistles about
a new Kenwood.

Seems he forgot one thing: does it receive and
transmit, the former especially, any better than
the ts430, ts440, ts940? I sure hope it's some
improvement, especially in the built-in phase
noise department. Sure a lot of Kenwoods have
been sold --- the *power* of *advertising* I
guess.

K3TX

From 1651713388842407230
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d20358612653545a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 16:27:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)

Newsgroups: rec.ham-radio
Subject: Re: What do I want in a radio?
Message-ID: <1991Jan26.002720.19360@informix.com>
Date: 26 Jan 91 00:27:20 GMT
References: <25.Jan.91.12:09:53.GMT.#7896@UK.AC.NWL.IA>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 39

In article <25.Jan.91.12:09:53.GMT.#7896@UK.AC.NWL.IA> PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon") writes:

>What do I want in a radio? well, here goes:
>
>1) Understandable circuit constructed using as many off-the-shelf parts as
>   possible. Surface-mounted chips may be a plus-point for the manufacturer
>   when he assembles the thing, but they are a pig of a job to change in
>   the average ham workshop. And where do i get a new PAL chip to fix my dead
>   Kencomsu TX9900 at 4:30PM on a saturday? Not at Radio Shack [...]

I guess what it comes down to is that some people like to work on their radios. Some people like to work on cars also. I have a friend who has an old Camero; the thing breaks down all the time, but he doesn't mind working on it all weekend.

On the other hand, I just want to jump in, turn the key, and drive. I have no desire to work on my car or my radio. This is why I have a Toyota Celica and an Icom 735. Mind you, I'm not saying that there's anything wrong with working on your own stuff; in fact, I make my own antennas and have also built a QRP 40m rig.   I just want a rig that I can use at home, and then unplug it, so I can use it in my car too. The 735 fits the bill beautifully.

You can't have everything. You can't have a super-compact rig with a lot of features AND have room inside to modify it. You can't have bomb-proof solder connections AND make it easy to modify them.   There is no one radio that will fit the needs of everyone. Therefore, if you want a Ten-Tec/Camero, buy them; if you want a Toyota/Icom, buy that.

I will say this, though: look in Consumer Reports. You will see that the frequency-of-repair records are signifcantly better on Toyotas than on Chevys. In general, Japanese companies are just more serious about quality control. American companies tend to be short-sided, with the attitude of "just get the darn thing out, so we can make a profit this month."   This is why I (and the entire world) tend to buy Japanese.
--

=-=
Randall Rhea   Informix Software, Inc.
Senior Programmer/Analyst, MIS   uunet!pyramid!infmx!randall

From 4332045533361313776
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,12a4fbbddcfbb6db,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 16:30:58 PST
Path: gmdzi!unido!mcsun!uunet!samsung!think.com!linus!philabs!ttidca!sorgatz
From: sorgatz@ttidca.TTI.COM (Avatar)
Newsgroups: rec.ham-radio
Subject: Re: numbers stations
Keywords: what they are
Message-ID: <22916@ttidca.TTI.COM>
Date: 26 Jan 91 00:30:58 GMT
References: <43047@ut-emx.uucp>
Organization: Citicorp/TTI, Santa Monica
Lines: 18

In article <43047@ut-emx.uucp> oo7@ut-emx.uucp (Derek Wills) writes:
+Several of the stations have been located, and usually turn out to be associ-
+ated with CIA establishments, or are huts in the woods with barbed wire and
+"Keep Out" signs.   People who locate them are told to go away and forget they
+ever saw them.
+
+Or perhaps this was all in alt.folklore.urban (a fun group, by the way)?

Very funny, Derek! I invite you to t-hunt one of these for yourself,
then you tell the rest of us (that have already had the experience!) about
how nice those guards with their M16's treat 'visitors'! ;-) Urban
folklore indeed!

```
-Avatar-> (aka: Erik K. Sorgatz) KB6LUY           +------------------------+
Citicorp(+)TTI                          *----------> panic trap; type = N+1 *
3100 Ocean Park Blvd. Santa Monica, CA  90405     +------------------------+
{csun,philabs,psivax,pyramid,quad1,rdlvax,retix}!ttidca!sorgatz **
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR ITS MANAGEMENT!)
```

From 8324357573818792833
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc13fa30aa19aace
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 17:06:15 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
magnus.ircc.ohio-state.edu!tut.cis.ohio-state.edu!VAX1.CC.UAKRON.EDU!mcs.kent.edu!
usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: DSP, DSP Book
Message-ID: <1991Jan26.010615.7036@NCoast.ORG>
Date: 26 Jan 91 01:06:15 GMT
References: <9101251229.AA00018@rtp40.dg.com>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Public Access Un*x (ncoast)
Lines: 21

As quoted from <9101251229.AA00018@rtp40.dg.com> by Pete_Simpson@DGC.ceo.dg.com:

```
+---------------
| What with the article on MININEC caveats in this month's QST and
| Bob's book, could we be seeing a refocussing of the ARRL from
| yesterday's technology towards tomorrow's?
| :-)
+---------------
```

I don't know that I'd laugh. I mean, they're actually planning to work on PR, up to and including hiring a PR consulting firm to help! (And about time, too!)

Maybe the ARRL took careful note of who advanced the suggestion that became the new Tech license, and decided that they really *were* slipping.

++Brandon
--

```
Me: Brandon S. Allbery               VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG              Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR               AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

From -6996762126678130389
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a6757c0aed4e14,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 17:20:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!agate!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9101260120.AA23480@blackbird.afit.af.mil>
Date: 26 Jan 91 01:20:21 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 423

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

- Current NASA Prediction Bulletins #801 -

```
Alouette 1
1 00424U 62B-A  1 91 22.63115690  .00000183  00000-0  21101-3 0  3810
2 00424  80.4643  69.7266 0024539  69.0609 291.3157 13.67443814412686
ATS 3
1 03029U 67111  A 91 19.01897396 -.00000075  00000-0  99999-4 0  4978
```

```
2 03029  13.4689  19.3955 0016274 222.1752 137.7518  1.00272624 84952
Cosmos 398
1 04966U 71 16  A 91 24.18343416  .00069900  18977-4  35982-3 0  3608
2 04966  51.5265  29.2011 2118208 215.3093 128.7560 11.39380269616498
Starlette
1 07646U 75010  A 91 23.38031083 -.00000008  00000-0  41490-4 0  1877
2 07646  49.8259   9.6393 0206461 198.3445 160.9884 13.82148686806237
LAGEOS
1 08820U 76039  A 91 19.20466833  .00000006  00000-0  99999-4 0  1824
2 08820 109.8515  69.1328 0044508 192.6523 167.3115  6.38664540 87738
GOES 2
1 10061U 77048  A 91 22.99849112 -.00000258  00000-0  99999-4 0  5510
2 10061   8.5861  61.0782 0003406 321.7485  38.2595  1.00285869 51215
IUE
1 10637U 78012  A 91 18.15265769 -.00000182  00000-0  79862-4 0  1951
2 10637  32.5291 114.7847 1749954 357.8242   1.3892  1.00262242  8621
GPS-0001
1 10684U 78020  A 91 17.34044539  .00000005  00000-0  99999-4 0  5929
2 10684  63.8269  82.9286 0124625 198.4548 161.1934  2.00554609 80148
GPS-0002
1 10893U 78 47  A 91 16.83496534 -.00000023  00000-0  99999-4 0  2994
2 10893  64.2918 323.7871 0169928  23.6963 337.0773  2.00537329 92954
GOES 3
1 10953U 78062  A 91 21.33313208  .00000097  00000-0  99999-4 0   320
2 10953   7.4780  63.8959 0005785 125.4205 234.7068  1.00258170  7102
SeaSat 1
1 10967U 78064  A 91 22.63002397  .00000457  00000-0  19935-3 0  4522
2 10967 108.0250  53.2386 0003535 268.1878  91.8875 14.36138249657955
GPS-0003
1 11054U 78093  A 91 23.07420227 -.00000022  00000-0  99999-4 0  3423
2 11054  63.8095 319.7755 0060192 118.6942 241.9329  2.00571027 90092
Nimbus 7
1 11080U 78098  A 91 22.66237311  .00000081  00000-0  10254-3 0  7289
2 11080  99.1819 287.4257 0008389 216.2637 143.7949 13.83491964618380
GPS-0004
1 11141U 78112  A 91 21.19715647  .00000005  00000-0  99999-4 0  1110
2 11141  63.8289  82.6822 0059758 312.4828  47.0880  2.00549136 88751
GPS-0005
1 11690U 80 11  A 91 17.34769543  .00000006  00000-0  99999-4 0   891
2 11690  64.3071  85.0350 0121568 202.9072 156.6195  2.00553192 94537
GPS-0006
1 11783U 80 32  A 91 23.63185061 -.00000022  00000-0  99999-4 0  3390
2 11783  63.6030 319.2772 0150359  59.8615 301.6757  2.00567407 78744
GOES 5
1 12472U 81049  A 91 23.22713086  .00000102  00000-0  99999-4 0   399
2 12472   4.0123  72.9824 0001851 258.5658 101.2788  1.00224737 34431
SME
1 12887U 81100  A 91 24.16401030  .00180810  00000-0  84382-3 0   859
2 12887  97.5941  93.6918 0000898 251.7364 108.4012 15.82814464515787
Salyut 7
1 13138U 82 33  A 91 24.80566199  .00503707  14381-3  46765-3 0  7476
2 13138  51.5885 237.2458 0002307 226.8432 133.3715 16.11628531499863
Cosmos 1383
```

```
1 13301U 82 66  A 91 17.72036255  .00000102  00000-0  10757-3 0  6812
2 13301  82.9324 143.5538 0026702 292.8771  66.9565 13.67872057427006
LandSat 4
1 13367U 82 72  A 91 23.69132011 -.00000141  00000-0 -26270-4 0  6500
2 13367  98.1367  86.5371 0003695 150.3467 209.7957 14.57140265453416
IRAS
1 13777U 83  4  A 91 20.50791822  .00000027  00000-0  30692-4 0  8921
2 13777  99.0133 218.8335 0012922 142.8547 217.3371 13.98868235 77325
Cosmos 1447
1 13916U 83 21  A 91  7.59454320  .00000096  00000-0  95684-4 0  7767
2 13916  82.9429 220.9328 0037106 292.3749  67.3473 13.74088526390742
TDRS 1
1 13969U 83 26  B 91 23.31230123  .00000129  00000-0  99999-4 0  2485
2 13969   5.0072  63.9009 0002777 244.7845 115.2108  1.00279216  1555
GOES 6
1 14050U 83 41  A 91 23.24835916  .00000118  00000-0  99999-4 0  3532
2 14050   2.7843  75.4921 0000828 301.2975  58.6267  1.00279454   342
OSCAR 10
1 14129U 83 58  B 91 17.23522100  .00000054  00000-0  99999-4 0  6348
2 14129  25.9088 165.0333 5975208 209.5353  96.4473  2.05878895 29146
GPS-0008
1 14189U 83 72  A 91 24.06202424  .00000004  00000-0  99999-4 0  8913
2 14189  63.4720  80.9453 0144957 223.7107 135.1941  2.00569175 55197
LandSat 5
1 14780U 84 21  A 91 24.95924600  .00000427  00000-0  99999-4 0  4993
2 14780  98.2588  86.9125 0002261  91.2701 268.8758 14.57089281367010
UoSat 2
1 14781U 84 21  B 91 21.12883954  .00001263  00000-0  23804-3 0  9036
2 14781  97.9228  71.2854 0011696 278.8268  81.1583 14.66081278367893
GPS-0009
1 15039U 84 59  A 91 18.25138794  .00000003  00000-0  99999-4 0  1525
2 15039  63.2998  80.2482 0026609 223.7301 136.1298  2.00566802 48351
Cosmos 1574
1 15055U 84 62  A 91 23.66165980  .00000093  00000-0  93906-4 0   222
2 15055  82.9571 259.7729 0029201  69.1810 291.2469 13.73403950330330
GPS-0010
1 15271U 84 97  A 91 21.18693655 -.00000022  00000-0  99999-4 0  9938
2 15271  63.1038 318.7997 0111883 330.3116  29.0805  2.00562941 45521
Cosmos 1602
1 15331U 84105  A 91 23.82025448  .00002526  00000-0  33626-3 0  4600
2 15331  82.5388 156.2702 0022386 334.2664  25.7470 14.79186888340698
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1 15427U 84123  A 91 24.24272163  .00000147  00000-0  10040-3 0  6931
2 15427  99.1723  34.2989 0016046 107.9050 252.3872 14.12783483315195
Cosmos 1686
1 16095U 85 86  A 91 24.74362767  .00456166  11786-3  42583-3 0  8961
2 16095  51.5888 237.5860 0001823 238.1859 121.8590 16.11551103291258
GPS-0011
1 16129U 85 93  A 91 23.39934355  .00000004  00000-0  99999-4 0  7148
2 16129  63.9976  81.2567 0123528 148.3897 212.4252  2.00564732 38773
Mir
1 16609U          91 25.11775628  .00047914  00000-0  51190-3 0  2252
2 16609  51.6105 292.4283 0025819 159.5960 200.6442 15.62997154282764
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GOES 7
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RS-10/11
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Meteor 2-16
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2 18312  82.5557 115.8484 0012647   2.4022 357.7197 13.83720334173420
Meteor 2-17
1 18820U 88  5  A 91 23.99778876  .00000089  00000-0  73978-4 0  4468
2 18820  82.5426 174.9179 0018015  64.5693 295.7316 13.84409996150736
DMSP B5D2-4
1 18822U 88  6  A 91 24.91145163  .00000401  00000-0  20005-3 0  7712
2 18822  98.6174 264.0083 0006782 358.5223   1.5935 14.21712190154328
Glonass 34
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2 19163  64.9139 151.7821 0007145 185.1443 174.8375  2.13102724 20832
Glonass 36
1 19165U 88 43  C 91 19.53167002  .00000026  00000-0  14520 2 0  1497
2 19165  64.9017 151.9029 0003486 342.6503  17.3185  2.13103041 20756
AO-13
1 19216U 88 51  B 91 12.58308178  .00000220  00000-0  99999-4 0  2350
2 19216  56.8342 115.9835 7102346 244.7572  28.8440  2.09694183 19799
OKEAN 1
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2 19274  82.5190 313.6911 0023353 119.4355 240.9271 14.77951890137511
Meteor 3-2
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Glonass 39
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2 19531  99.0122 338.2581 0012413  25.4000 334.7778 14.11868853120171
TDRS 2
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2 19802  55.0382 189.1099 0051688 161.7372 198.4468  2.00554695 13973
Akebono
1 19822U 89 16  A 91 24.87463518  .00024745  00000-0  17098-2 0  9072
2 19822  75.0706 129.3278 4119519  79.1036 323.5611  7.21156565 15709
Meteor 2-18
1 19851U 89 18  A 91 23.59365682  .00000117  00000-0  99999-4 0  3980
2 19851  82.5172  52.8516 0015740 102.9685 257.3230 13.84050458 96056
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1 19876U 89 20  B 91 12.68849133  .00000029  00000-0  99999-4 0  1773
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TDRS 3
1 19883U 89 21  B 91 21.77929078 -.00000235  00000-0  99999-4 0  2286
2 19883   0.6874  81.0652 0001796 241.6243  37.4615  1.00280583 77088
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Nadezhda 1
1 20103U 89 50  A 91 23.29934419  .00000093  00000-0  92540-4 0  2971
2 20103  82.9618 122.7634 0038014 143.2915 217.0855 13.73639404 77932
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1 20185U 89 64  A 91 12.97382907  .00000016  00000-0  99999-4 0  1731
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COBE
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Soyuz TM-11
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Organization: The Internet
Lines: 10

Last weekend my system had U2MIR in the axheard list on 144.625, I
didn`t realise what it was until much later. I thought it was just
another local node as TheNET/NETROM nodes have wierd names around here.

John.

From 463544511086369797
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc13fa30aa19aace
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 18:30:06 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!usc!apple!agate!ucbvax!DGC.ceo.dg.com!Pete_Simpson
From: Pete_Simpson@DGC.ceo.dg.com
Newsgroups: rec.ham-radio
Subject: DSP, DSP Book
Message-ID: <9101251229.AA00018@rtp40.dg.com>
Date: 25 Jan 91 12:29:48 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7

If I mail you my copy & a bribe, will you autograph it for me, Bob?
What with the article on MININEC caveats in this month's QST and
Bob's book, could we be seeing a refocussing of the ARRL from
yesterday's technology towards tomorrow's?
:-)

Pete, KA1AXY

From -5755983246776337835
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,33bc25428df95816,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 18:30:09 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!usc!apple!agate!ucbvax!DGC.ceo.dg.com!Pete_Simpson
From: Pete_Simpson@DGC.ceo.dg.com
Newsgroups: rec.ham-radio
Subject: RFI help
Message-ID: <9101251237.AD00018@rtp40.dg.com>

Date: 25 Jan 91 12:37:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13

I've been working (on and off) on an RFI problem like you describe.
It's a relatively inexpensive "entertainment center" (has a receiver,
amp and 8-track player). Speakers, leads are shielded and bypassed.
No difference. Power cord is filtered. No difference. Only when the
entire box is wrapped in aluminum foil, does the interference lessen.
(BTW, the volume control has no effect on the level of interference,
which suggests the power amp output stages being involved)
My theory is that the power supply leads which connect to the output
amplifier are long and not bypassed. I haven't taken the box apart
yet. There's only so much you can do to these things if they're not
in a metal case...
73,
Pete, KA1AXY

From -1265298040517528190
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcac4daa4d00f5fa
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6c37ee251c4a908
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-25 18:32:19 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!
spool2.mu.edu!samsung!uakari.primate.wisc.edu!ames!ncar!csn!horton.Colorado.EDU!
taubman
From: taubman@horton.Colorado.EDU (TAUBMAN JASON ROBERT)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Medium Wave "clear channels" (was: CNN on shortwave)
Message-ID: <1991Jan26.023219.1441@csn.org>
Date: 26 Jan 91 02:32:19 GMT
References: <1991Jan21.072332.25223@ux1.cso.uiuc.edu> <2003@ke4zv.UUCP>
<1991Jan25.233943.18140@informix.com>
Sender: news@csn.org (news)
Organization: University of Colorado, Boulder
Lines: 30
Xref: gmdzi rec.ham-radio:19894 rec.radio.shortwave:3882
Nntp-Posting-Host: horton.colorado.edu

In article <1991Jan25.233943.18140@informix.com> randall@informix.com (Randall
Rhea) writes:
>
>Is there still such a thing as "clear channel" on the AM BCB?   I thought
>that the FCC started getting away from that about 10 years ago due to
>complaints from local daytime-only stations that wanted to operate at
>night.
>
The short answer is no, there are no true clear channel MW stations in
the US. Clear channel protection did indeed go away several years ago.

However, many of the old clear channel stations still cover a large area because few new 50KW licenses have been assigned on those frequencies.

I can still hear WLS, WMAQ, and WBBM from Chicago here in Colorado. However, each of these stations have some other station using the

frequency somewhere in the US, which occasionally interfears, depending on weather.

In these days when half the AM (MW) stations in the US carry the same programming via sattelite (LArry King, Talknet, etc.), clear channels seem less important. I still enjoy listening to distant AM though, and always will!

Sincerely;

NOT! TAUBMAN JASON ROBERT
.sig pending

A

```
From -3071542720996053210
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,22b326962d6709c2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 19:07:02 PST
Path: gmdzi!unido!mcsun!uunet!issm!wlbr!lonex.radc.af.mil!frankjo
From: frankjo@lonex.radc.af.mil (Joseph W. Frank)
Newsgroups: rec.ham-radio
Subject: sex and cw
Message-ID: <1991Jan25.140515.17568@lonex.radc.af.mil>
Date: 25 Jan 91 14:05:15 GMT
Sender: J.W. Frank -- WD2F
Organization: RADC
Lines: 38
```

WM1W raises the great philosophical question: "why bother?" This is a very good question indeed.

First of all, technology has advanced to the point where cw can be done in an automated fashion. Therefore, I need not do cw by hand.

Also, since Buzz brings the issue of sex into the debate, it is only fair to point out that technology now allows for artificial insemination. Therefore, I need not have sex to pro-create. In fact, it is not all too unrealistic to envision computers being involved in this process as WM1W so wisely predicts.

The point being, there are often different means to the same end. The rate of technological growth has increased these possibilities even further. With so many possibilities available, the choice becomes a personal one.

So, the conclusion from this line of thinking is:

why bother? ------> BECAUSE I WANT TO!!!!

Also, "Why bother?" indicates that it is a **bother** to do cw with a computer. I think not. Connecting the TNC to the computer was not much of a bother. Turning the computer and tnc on is not much of a bother either. Personally, I find computer generated cw easier, more enjoyable, and much more precise [C.A.A.I. may be too!!]. The statement also seems to imply that cw done by hand is the only way, or the right way. Again, I think not. It may be your way, or the traditional way, but not the only way.

So, the conclusion from this line of thinking is:

why bother? ------> it's no bother, really!

From -4865765617920645798
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4940d9c34cd65191,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 19:26:46 PST
Path: gmdzi!unido!mcsun!uunet!sbi!zeus!newt!jl
From: jl@newt.sbi.com (Jean-Louis Ecochard)
Newsgroups: rec.ham-radio
Subject: Impedance matching
Message-ID: <426@newt.sbi.com>
Date: 25 Jan 91 15:27:08 GMT
Organization: Systems Integration - Salomon Brothers, NY
Lines: 16

I am interested in replacing a ceramic filter that has an impedance of 330 Ohms with a crystal filter with an impedance of 3KOhm//25pF. I understand that the crystal filter requires its impedance to be matched perfectly otherwise the ripple gets ugly.
How can I match the impedance of the crystal filter with my circuit ?

can anyone either explain me the theory and give me an example to extrapolate, give me the reference of the magic transformer to order ...

The IF of the crystal filter is 10.7 Mhz.

--
Jean-Louis Ecochard   O

```
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~./_\.~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
                                 (__Y__)                 uunet!sbi!chi!jl
```

From 2662779712768328338
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,202dd71ae573ec8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 19:37:52 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!hplabs!hpcc05!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Re: Where to Buy??
Message-ID: <27080057@col.hp.com>
Date: 26 Jan 91 03:37:52 GMT
References: <1991Jan23.015112.2392@bpdsun1.uucp>
Organization: HP Colorado Springs Division
Lines: 33

>/ col:rec.ham-radio / rjc@bpdsun1.uucp (Bob Crockett) / 6:51 pm Jan 22, 1991 /
>I plan to be joining the ranks of the Amateur Community in the next few months
>and would like to know about any good sources of Amateur Equipment. I'm sure
>that each of you has a favorite mail order house or local dealer, so which ones
>are the good ones? Which ones always seem to have the lowest prices around?
>Which ones stand behind the products they sell?
>

I've used a bunch of distributors of radio gear over the years and I won't claim to know of the 'best'. But here are a few that have done good by me:

Ross Distributing, Preston Idaho   208-852-0830
[can usually beat any price, will ship based on credit card number and then accept a check to avoid credit card surcharge]

Amateur Electronic Supply Milwaukee, Wisconsin 1-800-558-0411
[not the lowest in price but good selection and a good catalog]

Austin Amateur Supply Austin, Texas (where else?) 1-800-423-2604

Ham Radio Outlet, a million locations.

No warranty expressed or implied. Your mileage may vary. Some restrictions apply.

```
--------------------------------------------------------------------
Bob Witte              HP Colorado Springs Division
bobw@col.hp.com        P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO  80901
Radio: KB0CY
"All Disclaimers Apply."
--------------------------------------------------------------------
```

From 4828653101578151887
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,928b5576ef69f0d3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,928b5576ef69f0d3,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1991-01-25 19:47:54 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!elroy.jpl.nasa.gov!ncar!gatech!rutgers!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: * SpaceNews 28-Jan-91 *
Keywords: U2MIR-1, Hubble Trouble, SEUs
Message-ID: <403@ka2qhd.UUCP>
Date: 26 Jan 91 03:47:54 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 126
Xref: gmdzi rec.ham-radio:19890 sci.space:19281

SB SPACE @ ALLBBS < KD2BD $SPC0128
* SpaceNews 28-Jan-91 *

Bulletin ID: $SPC0128

SpaceNews

MONDAY JANUARY 28, 1991

SpaceNews originates at KD2BD in Wall Township, New Jersey, USA. It is published every week and is made available for unlimited distribution.

* U2MIR-1 NEWS *

Packet Radio (AX.25) communications were carried out last week between the Soviet "Mir" space station and many ground stations on 145.550 MHz. Callsigns of U2MIR and U2MIR-1 were used by the amateur radio station on board Mir. Personal observations as well as observations by others seem to confirm the fact that Mir now has a fully operational packet radio bulletin board system, complete with a "standard" PBBS command system capable of supporting mail exchanges between users as well as disseminating news bulletins to all users of the system.

The U2MIR-1 BBS system is compatible with standard 1200 baud 2-meter FM packet stations currently in existance all over the world. No special TNCs or external PSK modems are required for access. Downlink signals from Mir are strong. Even operation with indoor antennas seems possible.

Packet radio operations from Mir came as quite a surprise to many who expected operations to begin in March. While BBS operations took place for several days last week, it remains to be seen when or if operations will continue on a permanent basis. Packet BBS operations from U2MIR can generally be made at any time, since the station can be run in an unattended mode while the cosmonauts are sleeping or busy with other work.

* SPACE RADIATION *

===================

NASA is reporting that operations of the orbiting Hubble Space Telescope are being affected by radiation induced electronic failures on a daily basis. Single event upsets (SEUs) in a 1 kilobit low-power TTL bipolar random access memory (93L-422) are causing Hubble's crucial focusing elements to lose data on a regular basis.

SEU induced errors are being minimized by using a rapid refresh cycle with the RAM device to limit the time in which multiple SEUs can occur. The 93L-422 RAM device has a well documented history of SEU failures, but was used anyway since clever software routines could help correct or prevent SEUs from affecting telescope operations. It appears the SEU problem was greater than anticipated and might also explain why NASA scientists mysteriously lost radio contact with the Magellan Venus spacecraft for 18 hours shortly after insertion motor separation last fall. Scientists are now trying to duplicate that problem in an effort to determine its cause.

All OSCAR satellites experience problems with radiation induced RAM errors. High energy radiation particles damaged one of the sense amplifiers in the Integrated Housekeeping Unit (IHU) on board OSCAR-10. Since that damage occurred, the spacecraft essentially became "brain dead", and no longer transmits RTTY and CW telemetry or supports a sophisticated transponder schedule.

Most satellites operating with 8-bit CPUs generally use 12-bit RAM systems to help reduce the effect of radiation induced memory errors. OSCAR-11 as well as the MicroSats run a "wash" routine as part of eir spacecraft's operating system. The wash routine checks all memoryocations, counting all errors and correcting all single bit errors. A "wash pointer" reports the current memory address checked and transmits thanformation as part of the spacecraft telemetry report.

OSCAR-11 has been used quite extensively to study the problem of single event upsets on spacecraft systems. In fact, it is an interesting hobby to find correlations between radiation induced spacecraft RAM errors, space dust counts, and ionospheric HF radio propagation conditions!

Most SEUs occur around the polar regions of the Earth, especially around an area known as the "South Atlantic Anomaly", a heavily proton charged

region around Antartica. Solar flares are also responsible for increasing
the rate at which SEUs occur in satellite computer subsystems.

* TNX QSL! *
============
A special thanks to all those who sent QSLs and letters to SpaceNews:

N1HZH : Joel Magid, Groton, Massachusettes, USA
K3CRF : Dave Smith, Bellevue, Nebraska, USA

...and e-mail messages:

VK2EE, WB2DHY, WB4IJV, K7EA, DG9MAQ

* FEEDBACK WELCOMED *
=====================
Feedback regarding SpaceNews can be directed to the editor (John) via any
of the following paths:

```
INTERNET : kd2bd@ka2qhd.de.com
PACKET   : KD2BD @ NN2Z.NJ.USA.NA
UUCP     : ...uunet!rutgers!ka2qhd!kd2bd

MAIL     : John A. Magliacane, KD2BD
           Department of Electronics Technology
           Advanced Technology Center
           Brookdale Community College
           765 Newman Springs Road
           Lincroft, New Jersey 07738
           U.S.A.
```

/EX
--
```
John A. Magliacane                 FAX  : (908) 747-7107
Electronics Technology Department  AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College        UUCP : ...!rutgers!ka2qhd!kd2bd
Lincroft, NJ  07738  USA           VOICE: (908) 842-1900 ext 607
```

From 1160350647391559364
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 19:53:19 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: "ricebox"
Message-ID: <1146.27A02F25@w8grt.fidonet.org>

Date: 25 Jan 91 18:21:36 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 25

> From: k3tx@wells.UUCP (Dave Heller)
> Date: 25 Jan 91 03:51:11 GMT
> Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
> Message-ID: <909@wells.UUCP>
> Newsgroups: rec.ham-radio
>
>
>
> 1.   Comments about minor flaws in Drakes and Collins?
>
> 2.   Cleaning a Drake bandswitch is sure a lot easier than
> the routine maintenance on any Ricebox   -

I never had many problems with bandswitches on MY Drake equipment. But then I think that's because I kept using them. The only occasions that problems DID occur followed long periods of non-use. Running the switch through its range a few times fixed it right up good as new.

73 de Jim Grubs, W8GRT

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -5439873065350458884
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1e5414ba39f6bd42,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 20:08:11 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!spool2.mu.edu!uunet!tut.cis.ohio-state.edu!uoft02.utoledo.edu!grx0644
From: grx0644@uoft02.utoledo.edu
Newsgroups: rec.ham-radio
Subject: Frequencies wanted!
Message-ID: <1991Jan25.230812.2729@uoft02.utoledo.edu>
Date: 26 Jan 91 04:08:11 GMT
Lines: 7

I am in search for the freq's that the police radar's use. Its just to settle a bet. I know there are three bands in use, but the freq's.....I don't have an idea. Anyone know this bit of trivia??

Thanks in advance!!

Tony

From 1295422518098267688
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ffb5a2699b19e829
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 08:33:11 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!apple!agate!ucbvax!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: Need a cheap 10.25 GHZ oscillator
Message-ID: <1250342@hpnmdla.HP.COM>
Date: 17 Jan 91 16:33:11 GMT
References: <1991Jan16.203012.24907@e2big.mko.dec.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 31

To: stogner@atccad.enet.dec.com
Subject: Re: Need a cheap 10.25 GHZ oscillator
Newsgroups: rec.ham-radio
In-Reply-To: article <1991Jan16.203012.24907@e2big.mko.dec.com> of Wed, 16 Jan 1991 20:30:12 GMT

>10.25 GHZ Oscillator
>Does anyone know a source for a cheap 10.25 GHZ oscillator ?

Lee

I use door openers (Solfan(TM) and similar) or radar gun transceivers
(NEC ND751) with good success. See Ham Radio Magazine Feb/June/Oct 1988
for a phaselocked 10 GHz transverter design using these. Also these
are the types of units I used in the Dec '89 HR/91 handbook microwave data link.
  Flea markets are good places to get them. You might also try WB6IGP
in the San Diego Microwave Group. Chuck had a stash of them at one time.
Also try:

SHF Microwave Parts Company
7102 W. 500 S.
La Porte, IN 46350

Who has a flyer advertizing several types in the $20-$40 range.

Hope this helps.

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From -1113113281111151846
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,f52730f1a88527c4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 08:42:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: J-Pole Performance
Message-ID: <7880418@hpfcdc.HP.COM>
Date: 17 Jan 91 16:42:32 GMT
References: <1991Jan15.154645.23747@cbnewsk.att.com>
Organization: HP Fort Collins, Co.
Lines: 11

The J-pole is just a dipole, end-fed with a quarter wave matching section. The advantage of a J is that it doesn't need a groundplane and it has a one-dimensional design, which makes it better suited for some applications, like portable operation.

I'm at a loss to explain how a rubber ducky could outperform the J. I've never seen this to be the case. Did you try both antennas in several (outdoor) locations ? Was the orientation of the antennas the same ?

Perry / KF0CA

From 4395156099883480351
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,da58d415d0854fdb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 08:50:02 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!wuarchive!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!clio.las.uiuc.edu!tony
From: tony@clio.las.uiuc.edu (Tony)
Newsgroups: rec.ham-radio
Subject: Communication With Iraq
Summary: Does anyone have a connection that is in Iraq?
Keywords: Iraq
Message-ID: <1991Jan17.165002.12105@ux1.cso.uiuc.edu>
Date: 17 Jan 91 16:50:02 GMT
Sender: news@ux1.cso.uiuc.edu (News)
Distribution: rec.ham-radio
Organization: University of Illinois at Urbana
Lines: 3
Posted: Thu Jan 17 10:50:02 1991

Thanks!
tony@clio.las.uiuc.edu

From -1932117484011660691

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f676054bfd66f52
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 08:56:21 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!elroy.jpl.nasa.gov!swrinde!
zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Questions from 'G' land . . . . .
Message-ID: <7880419@hpfcdc.HP.COM>
Date: 17 Jan 91 16:56:21 GMT
References: <"16-Jan-91.15:42:09.GMT".*.hugh_davies.wgc1@rx.Xerox.com>
Organization: HP Fort Collins, Co.
Lines: 21
```

>This "element 1A", etc., stuff baffles the crap out of me.

Since this very topic counts for several questions in the Extra exam pool, you'll need to know this. :-o   I looked at the pool a couple months ago, so I've probably gotten this all wrong, but I'm sure a kind VE will correct this if I'm wrong.

The code elements are 1A, 1B, and 1C, corresponding to 5, 13, and 20 wpm. Passing a higher speed code test implicitly passes the lower speed tests.

The written elements are 2A, 2B, 3, 4A, and 4B, corresponding to the Novice, Tech, General, Advanced, and Extra class licenses. Unlike the code test, each test has unique information, so you must pass each one. It may be true that all you need are the Advanced and Extra class question pools, since much of the technical information is built on previous elements. The last guy I know that tried the first 4 tests in one sitting said that it was hard to keep all the band limits straight, which usually count for several questions on each test.

Perry Scott / KF0CA

```
From -6251007936126372840
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c776686eec52589
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 08:59:55 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!usc!sdd.hp.com!hplabs!hpfcso!
hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Automotive stealth (was: Is a passive reflector a "transmitter?")
Message-ID: <7880420@hpfcdc.HP.COM>
Date: 17 Jan 91 16:59:55 GMT
References: <1991Jan16.155437.2563@magnus.ircc.ohio-state.edu>
Organization: HP Fort Collins, Co.
Lines: 16
```

>However, reducing RCS will not make you immune to police radar (unless
>you can eliminate the echo altogether.) Doppler (speed-measuring) radar
>doesn't depend on the strength of the echo, but its frequency. I have
>heard of (illegal) schemes involving a transmitter in the car, which
>produces a dummy echo, causing police radar to indicate some false speed.
>
>   Steve Brown, N8HFI

The story I've heard is that you put a little propeller in front of
your radiator, tuned to the radar frequency. The propeller, spinning
in the breeze, adds so much speed to the Doppler, that the patrolman
thinks his equipment is bonkers, and ignores you.

This probably belongs in rec.urban.legend.

Perry Scott / KF0CA

From 7385399410582807040
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f87f262876ca9665,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 09:30:56 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!uwm.edu!bionet!agate!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: Thanks.
Message-ID: <17.Jan.91.17:31:25.GMT.#4089@UK.AC.NWL.IA>
Date: 17 Jan 91 17:30:56 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5

Many thanks to all of you (too many to mention) who replied to my request
for info on the Hustler CG144 antenna. I bought the thing, and it is a
fine piece of engineering!

           Pete Lucas PJML@UK.AC.NWL.IA G6WBJ@GB7SDN.GBR.EU

From -4217939476225792332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc621b0c79076d99
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 09:38:57 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!emory!att!att!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: FM on HF (was: re: homebrewing)

Message-ID: <1387@tsdiag.ccur.com>
Date: 17 Jan 91 17:38:57 GMT
References: <17186@csli.Stanford.EDU> <1250338@hpnmdla.HP.COM>
Reply-To: davet@tsdiag.UUCP (Dave Tiller N2KAU)
Organization: CONCURRENT,Engineering Services,Oceanport NJ
Lines: 40

In article <1250338@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
-In rec.ham-radio, kawai@csli.Stanford.EDU (goh kawai - n6uok) writes:
-
->This is one question I have had myself.
-
->I have never seen explicit mention in the FCC rules prohibiting FM on
->frequencies below 29.000 MHz. However, it is a fact that the only
->frequencies where FM is practiced on HF are between 29.000 and 29.700,
->especially between 29.100 and 29.300 plus between 29.500 and 29.700...
-
-I think the answer is bandwidth limitations. Above 29 MHz, the rules
-permit "wideband" FM. "Wideband" means "wider than an equivalent AM
-signal." Note that what is called "narrowband" FM on VHF (5 kHz deviation,
-about 13 kHz bandwidth), is not legal below 29 MHz.
-
-FM is quite legal on 75 meters (last time I looked), but you have to
-limit the bandwidth to 6 kHz, which means very narrow deviation.
-

You're quite right in saying that bandwidth is one of the limiting factors
of FM under 30MHz, but there are a few places where FM voice (F3E) is not
allowed (some are the obvious novice/tech parts):

3500-3750
7000-7150
10100-10150
14000-14150
21000-21200
24890-24930
28000-28300

Note that "On frequencies below 29.0MHz, the bandwidth of an F3E or G3E
emission (frequency or phase modulation) shall not exceed that of an A3E
emission having the same audio characteristics." Title 47, Part 97.65(c) CFR.

```
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

From -2732777275571552635
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,528b764f2711a0a3
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1991-01-17 09:47:38 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!emory!att!att!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: On having a copy of the Part 97 rules
Message-ID: <1388@tsdiag.ccur.com>
Date: 17 Jan 91 17:47:38 GMT
References: <9101161536.AA22998@tilde>
Reply-To: davet@tsdiag.UUCP (Dave Tiller N2KAU)
Organization: CONCURRENT,Engineering Services,Oceanport NJ
Lines: 13

In article <9101161536.AA22998@tilde> dube@cpdvax.csc.ti.com writes:
-Someone asked how many hams have a copy of the FCC rules? Right. And how
-many drivers have a copy of their states' driver manual?
-

You bet your butt I do. I thought everybody did, just in case questions
of legality pop up. :-)   By the content of articles in this newsgroup,
I'd imagine that 90% of us armchair lawyers have memorized them! :-)

```
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

From 2027645724800699887
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1ba0e0ca3c08ba2b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 09:53:34 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: Requesting advice on PC RFI issues
Message-ID: <27080054@col.hp.com>
Date: 17 Jan 91 17:53:34 GMT
References: <1991Jan16.161856@suisse.enet.dec.com>
Organization: HP Colorado Springs Division
Lines: 34

> From: d_muller@suisse.enet.dec.com (Dan Muller)
> Subject: Requesting advice on PC RFI issues
>
> So here are my questions:
>
> If I purchase a system which is FCC class B certified, can I be
> reasonably certain that I won't have a problem with RFI?

No; you might be reasonably certain that it won't interfer

```
       with TVs several feet away!  But for very sensitive rcvrs
       sitting right next to the computer; no.
>
> If I purchase individual components (high-quality stuff, of course!)
> and assemble a system myself, am I more likely to have RFI problems?
> Has anyone out there built their own 33MHz home computer?

       Depends how well the chassis fits together.  RFI may come
       from cracks, seams, holes, or cables.  Normally from cables,
       with the video cable (to the monitor) being a major culprit.
       Try adding a ferrite core around this cable at the computer
       end.  Other cables may radiate as well; try ferrites on RS232
       or printer cables.  When you get your system, unplug cables
       one at a time while listening to the interference on your radio.
       This may help you isolate the problem.
>
> Can anyone recommend particular mail-order vendors that they've
> purchased RF-quiet systems from? Or warn me about systems that were
> poor in this regard?

       Just remember that in general, the higher processor speeds
       (33 MHz) usually mean more RFI.  "Grounding" your equipment
       generally will not help the problem, as the coupling
       "mechanism" is usually direct radiation from computer to
       radio.


From -8508109002913762434
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ffb5a2699b19e829
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 09:58:54 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!think.com!sdd.hp.com!hplabs!
hpcc05!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: Need a cheap 10.25 GHZ oscillator
Message-ID: <27080055@col.hp.com>
Date: 17 Jan 91 17:58:54 GMT
References: <1991Jan16.203012.24907@e2big.mko.dec.com>
Organization: HP Colorado Springs Division
Lines: 4

I have seen various sources selling surplused "door actuators" which
operate at 10.5+ GHz.  These are really doplar-activated switchs used
to open supermarket doors, etc.  The prices hover around $20 and
they could almost certainly be tweaked downwards to 10.2 GHz.


From -4351205348380087593
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eab6129961355216,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1991-01-17 11:04:00 PST
Path: gmdzi!unido!mcsun!uunet!olivea!apple!bbn.com!jmccombi
From: jmccombi@bbn.com (John McCombie)
Newsgroups: rec.ham-radio
Subject: twin-lead J-pole question
Message-ID: <62175@bbn.BBN.COM>
Date: 17 Jan 91 19:04:00 GMT
Sender: news@bbn.com
Reply-To: jmccombi@BBN.COM (Jon McCombie)
Organization: Bolt Beranek and Newman Inc., Cambridge MA
Lines: 12

In the recently posted instructions for the twin-lead J-pole antenna described by N6UBM, the coax center conductor is connected to the long part of the J and the braid to the short part. These connections are the reverse of what is decscribed in the copper-tubing J-pole antenna. The ARRL Antenna Book also describes J-pole antennas and says to connect the coax center conductor to the short side of the J and the braid to the long side.

Is there a typo in the instructions for the twin-lead J-pole? Or does it just not matter at all?

Jon -- KA1WZK

From -5992326012190112437
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1ba0e0ca3c08ba2b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 11:36:06 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Requesting advice on PC RFI issues
Message-ID: <1250343@hpnmdla.HP.COM>
Date: 17 Jan 91 19:36:06 GMT
References: <1991Jan16.161856@suisse.enet.dec.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 36

In rec.ham-radio, d_muller@suisse.enet.dec.com (Dan Muller) writes:

>I'm currently shopping for a 33MHz 80386 PC to replace my creaking old
>XT. I expect to eventually use it for packet and other radio-related
>things, and I'd like to use it right away for logging and such. The
>two PC's we currently have in the house - the afore-mentioned XT and
>an AT - generate lots of radio noise. My radio equipment is only
>grounded through a nearby radiator, because our apartment is on the
>second floor. Perhaps a better ground would help with this problem.

>So here are my questions:

The following answers should be considered as opinions, not facts:

>If I purchase a system which is FCC class B certified, can I be
>reasonably certain that I won't have a problem with RFI?

No. FCC Class-B is not a very tight spec.

>If I purchase individual components (high-quality stuff, of course!)
>and assemble a system myself, am I more likely to have RFI problems?
>Has anyone out there built their own 33MHz home computer?

Possibly. One would hope that vendors who sell systems would have
tested them to FCC class-B specs AS SYSTEMS, whereby individual
components have been tested with "representative" other equipment
attached. By the way, commercial (non-home computer) equipment
is tested to FCC class-A which is NOISIER (worse).

>Can anyone recommend particular mail-order vendors that they've
>purchased RF-quiet systems from? Or warn me about systems that were
>poor in this regard?

Dunno.

AL N1AL

From -2831015009089420583
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a2bc1a51d4116639
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 11:57:23 PST
Path: gmdzi!unido!mcsun!hp4nl!nikhefk!henkp
From: henkp@nikhefk.UUCP (Henk Peek)
Newsgroups: rec.ham-radio
Subject: Re: how did CNN get their audio feed from baghdad?
Message-ID: <813@nikhefk.UUCP>
Date: 17 Jan 91 19:57:23 GMT
References: <20470@know.pws.bull.com>
Sender: Henk Peek <henkp@nikhefk.nikhef.nl>
Reply-To: henkp@nikhefk.UUCP (Henk Peek)
Organization: Nikhef-K, Amsterdam (the Netherlands).
Lines: 17

In article <20470@know.pws.bull.com> eli@pws.bull.com (Steve Elias) writes:
>do any of yall have an theories (ahem ahem) about how the CNN cats
>in the baghdad hotel managed to keep their audio feed alive?

There is a satellite phone service that can be used nearly anywhere on
the earth. The antenna isn't real small, but you can take it with you.
It is expensive. From the Netherlands you must pay ~$11 / min. to
call a satellite phone.

>there was obviously a phone link involved on the US end at least,
>but the reporters on the scene were using a *microphone*, not a
>telephone to talk into.

Connect a junction box to to the satellite phone and wire the microphone
and headphone. This is standard practice for news reporters. Only
normally they using the public phone system.

henk PA0HZP

From -4607071742604026485
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 11:59:34 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!bronze!commgrp@silver.ucs.indiana.edu
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: "ricebox"
Message-ID: <1991Jan17.195934.14803@bronze.ucs.indiana.edu>
Date: 17 Jan 91 19:59:34 GMT
Sender: daemon@bronze.ucs.indiana.edu (Mr Background)
Organization: Indiana University
Lines: 26

randall@informix.com (Randall Rhea) writes:

>"Ricebox" is intended to be a derogatory term aimed at a particular
>nationality. This, to my mind, is "racism." ...

As I recall, "ricebox" was a term coined at the end of the era when 2m
FM operators were "real hams" instead of appliance operators, i.e.,
they used Motorola and GE commercial-band equipment modified for the
ham band. "Ricebox" was more derogatory of the owner of the radio
than of its Japanese manufacturer. "Riceboxes" were typically more
sensitive and versatile but lacked shielding and front-end filtering,
making them unusable in RF jungles like downtown Chicago.

I'm reminded of Isaac Asimov's "Foundation Trilogy" (now with several
additional volumes) in which he remarks upon two kinds of stuff,
"Empire products" and "Foundation products": Products of the stagnant
and corrupt Galactic Empire were flawless in design and performance
but were enormous and heavy. (Rolls-Royce automobiles, Collins R-390
receivers and Motorola Micor VHF-FM rigs come to mind). Products of
the more progressive "Foundation" had a different engineering
philosophy; they performed as well, had extra features, and were
small, light and cost-effective.

--

Frank   W9MKV   reid@ucs.indiana.edu

From -5613984046570106306
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b066034cfe41689
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 12:43:19 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!aplcen!stda.jhuapl.edu!mjj
From: mjj@stda.jhuapl.edu (Marshall Jose)
Newsgroups: rec.ham-radio
Subject: Re: smith.ps: Smith Chart generator (PostScript)
Message-ID: <1991Jan17.204319.11757@aplcen.apl.jhu.edu>
Date: 17 Jan 91 20:43:19 GMT
References: <1991Jan9.145555.14746@aplcen.apl.jhu.edu> <4140035@hpnjld.HP.COM>
Sender: news@aplcen.apl.jhu.edu (USENET News System)
Reply-To: mjj@aplvax.UUCP (Marshall Jose)
Organization: JHU-Applied Physics Laboratory
Lines: 46

In article <4140035@hpnjld.HP.COM> eyg@hpnjld.HP.COM (Ed Gilbert, WA2SRQ) writes:

>
>Does anyone have a program that gives you the same information as a
>Smith chart? I'd like a program that has inputs of line Z, line attenuation,
>and termination impedance a+jb, and gives you the transformed impedance
>at some distance from the termination.

Actually, I was surprised how easy it is to put the formula into an HP calculator which can do complex arithmetic. The formula is

```
                 /                            \
                | Z  + Z  * tanh ([gamma] * l) |
                |  L    o                      |
   Z(l) =  Z  * | ---------------------------- |
            o   | Z  + Z  * tanh ([gamma] * l) |
                |  o    L                      |
                 \                            /
```

where

```
     Z  = characteristic impedance
      o
     Z  = load impedance = R  + jX
      L                     L     L
     tanh = hyperbolic tangent
     [gamma] = propagation constant of medium
             = (attenuation constant) + j (velocity_factor / wavelength)
     l = distance from Z  to Z(l) (in same units as [gamma])
                        L
     wavelength = light_speed / frequency
     attenuation_constant = [nepers per unit length]
     velocity_factor = relative propagation speed in the
                       transmission line
```

Of course, the definition of the propagation constant would change if
you wanted to talk in terms of wavelength (electrical length) rather
than physical length. Anyway, I don't have the program here, but it
wasn't too many steps on an HP-42S.

For those of you who want to pretend that the line is lossless, you can
replace the "tanh's" above with "tan's" and [gamma] with (velocity_
factor / wavelength).

Tally ho,
Marshall Jose WA3VPZ
mjj%stda@aplcen.apl.jhu.edu || ...mimsy!aplcen!aplvax!mjj

From -6784047796238532058
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,528b764f2711a0a3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 13:36:34 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!yale!venus!yalevm!maine!io60370
From: IO60370@MAINE.BITNET
Newsgroups: rec.ham-radio
Subject: Re: On having a copy of the Part 97 rules
Message-ID: <91017.163634IO60370@MAINE.BITNET>
Date: 17 Jan 91 21:36:34 GMT
References: <9101161536.AA22998@tilde>
Organization: University of Maine System
Lines: 1

I have a copy. Actually, I bought two - one for a friend.

From 6647960395839870943
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca85e290ddd3481e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 14:56:10 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!atha!aupair.cs.athabascau.ca!lyndon
From: lyndon@cs.athabascau.ca (Lyndon Nerenberg)
Newsgroups: rec.ham-radio
Subject: Re: Telemetry
Message-ID: <613@aupair.cs.athabascau.ca>
Date: 17 Jan 91 22:56:10 GMT
References: <Jan.15.11.26.54.1991.15695@caip.rutgers.edu>
Organization: Athabasca University
Lines: 41

froncio@caip.rutgers.edu (Andy Froncioni) writes:

>Ah, yes - one more thing: this will be used in
>Canada where the airwave traffic is considerably less than here
>in the US.

You just made things very easy on yourself :-)

>-   What (legal) frequencies are available to me unlicensed?
>-   What (legal) frequencies are available to me licensed?

The Dep't of Communications (DOC) has a number of frequencies available for short term, temporary use. You do not need a license to use these frequencies. Contact the DOC for a list of these frequencies (and power limits, time limits, etc). There is one around 150 MHz that should work fine for your purposes. Be aware though that you have to accept any interference from other users of these shared frequencies. I also suggest that you give the DOC the impression that you will be transmitting voice, not data :-)

>-   Should the digital encryption be done on the transmitter
>   side or should the transmission be sent as analogue data
>   and digitized at the receiver? ASCII? PCM? FM? SSB? ???

Since you have two different pieces of data to send you're best off sending it digitally, allowing you to mux the values together. It should be pretty easy to do. Mount the A/D converters on the cart, feed the data through a mux circuit, run that through a D/A to get audio tones (use a 555) and feed that to the transmitter (an very used very cheap commercial VHF handheld).

If you want to spend mucho bucks, check out the Kantronics remote telemetry unit that's advertised in the ham rags. No idea on price, but I'll bet it aint cheap ...

--
Lyndon Nerenberg VE6BBM / Computing Services / Athabasca University
{alberta,cbmvax,mips}!atha!lyndon || lyndon@cs.athabascau.ca
Packet: ve6bbm@ve6mc [.ab.can.na]
The only thing open about OSF is their mouth. --Chuck Musciano

From 3873062075592718334
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 15:00:42 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!VAX1.CC.UAKRON.EDU!mcs.kent.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: FM on HF (was: re: homebrewing)
Message-ID: <1991Jan17.230042.26205@NCoast.ORG>
Date: 17 Jan 91 23:00:42 GMT
References: <1949@ke4zv.UUCP> <1991Jan14.213223.8780@ux1.cso.uiuc.edu> <17186@csli.Stanford.EDU>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)

Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 34

As quoted from <17186@csli.Stanford.EDU> by kawai@csli.Stanford.EDU (goh kawai - n6uok):
+---------------
| I have never seen explicit mention in the FCC rules prohibiting FM on
| frequencies below 29.000 MHz. However, it is a fact that the only
| frequencies where FM is practiced on HF are between 29.000 and 29.700,
| especially between 29.100 and 29.300 plus between 29.500 and 29.700.
| (29.000 thru 29.100 is primarily the AM subband. 29.300 thru 29.500
| is the satellite subband. FM can be used in both subbands if it will
| not cause interference.) It is also a fact that in some countries, FM
| is indeed limited by law to the higher portion of 10 meters.
|
| Is there any legal limit on bands we can use for FM? Does anybody know
| for sure?
+---------------

I just CAREFULLY read the copy of Part 97 in the ARRL's rule book. The extent of its statements about FM on HF is to assign the following note to HF band sections where voice emissions are permitted:

$97.307 (f) (1) No angle-modulated emission may have a modulation index greater than 1 at the highest modulation frequency.

(Angle modulation, you will recall, means either frequency or phase modulation.)

My guess is that we don't use FM below 29.0MHz because it uses quite a lot of bandwidth compared to SSB (not to mention CW).

++Brandon
--
Me: Brandon S. Allbery   VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG   Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR   AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery   Delphi: ALLBERY

From 3284416449360317913
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,401d8b3888367593,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 15:35:58 PST
Path: gmdzi!unido!mcsun!uunet!infonode!ingr!b11!jolly
From: jolly@b11.ingr.com (Ron Jolly)
Newsgroups: rec.ham-radio
Subject: QRP CW Rig in Dec90/Jan91 QST
Keywords: QRP, Homebrewing, Mods to 30m, MC3362
Message-ID: <9920@b11.ingr.com>
Date: 17 Jan 91 23:35:58 GMT

Organization: Intergraph Corp. Huntsville, AL
Lines: 45

Greetings Hamdom:

I recently renewed my license after a 13 year break in any ham activity and am interested in CW again. The recent article in QST on the QRP rig caught my eye and am considering building this rig. I phoned the firm listed in the article as having boards/parts kit and obtained the following.

Portable QRP CW transceiver for 20 meters with:

- VFO tuning
- AGC
- 5 watts output
- Semi-QSK TR switching
- CW Sidetone

Complete kit including case	$ 159.95 + $4.50 shipping charge
Blank receiver board	$ 15.95
Blank transmitter board	$ 12.95

The article mentioned a signal strength meter but the person I talked to did not mention if it was included.
Does this look like a reasonable price for what you get?

The heart of the receiver is a VHF FM receiver IC from Motorola the MC3362. Anyone have any experience with this chip? How about cost?

20 meters sounds very crowded to me and I am considering modifying it to 30 meters. Has anyone else looked at this?
The VFO on the 20m version runs at 6015 to 6065 Khz and mixes with a 8000 khz IF to give 14,015 to 14,065 khz. If the VFO was modified to operate at 2100 to 2150 khz and some input coils were adjusted, you could move to 10,100 to 10,150 khz. What else am I missing here?

By the way the firm offering the kit was:

A & A Engineering
2521 W LaPalma
Unit K
Anaheim CA,92801
(714) 952-2114

Anyone ever dealt with them before?

- Ron Jolly KC4UGL

From 3014937707799252101
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 16:02:30 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!VAX1.CC.UAKRON.EDU!
mcs.kent.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: "ricebox"
Message-ID: <1991Jan18.000230.28355@NCoast.ORG>
Date: 18 Jan 91 00:02:30 GMT
References: <48015@apple.Apple.COM> <1991Jan15.000354.27977@informix.com>
<17190@csli.Stanford.EDU>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 21

As quoted from <17190@csli.Stanford.EDU> by kawai@csli.Stanford.EDU (goh kawai -
n6uok):
+---------------
| something so badly, why mention it at all unless there is a vacant
| yearing in your soul groping for something better?  If you seek
| fulfilment, why not work harder to better your environment?
+---------------

Because, in the case of both the so-called "Jap riceboxes" and Radio Shack,
there is nothing we can do.  Were there 10 million hams in the U.S., we might
be able to push for better stores and more radios made (and serviced!) here
with our wallets.  Were there 100 million, companies would come to us instead
of the other way around.  As it is, we must live on sufference, because we're
such a small market that no company's going to "waste" resources on us.  Ah,
isn't the "bottom line" mentality wonderful!  :-(

++Brandon
--
Me: Brandon S. Allbery              VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR              AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY


From -8031404107980338832
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcac4daa4d00f5fa,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,bcac4daa4d00f5fa,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-17 16:04:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!think.com!
snorkelwacker.mit.edu!apple!sun-barr!newstop!exodus!tenorman.Eng.Sun.COM!jneher
From: jneher@tenorman.Eng.Sun.COM (Jonathan Neher X62863)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: CNN on Shortwave?
Message-ID: <6214@exodus.Eng.Sun.COM>
```

Date: 18 Jan 91 00:04:21 GMT
Sender: news@exodus.Eng.Sun.COM
Followup-To: rec.ham-radio
Lines: 9
Xref: gmdzi rec.ham-radio:19548 rec.radio.shortwave:3652

Does anybody know if CNN audio can be heard anywhere on HF
(SSB feeds etc.). I live in the S.F. bay area and can't seem to
find any full-time CNN audio on any radio stations around here,
and I'm tired of the TV networks running CNN for a while then coming
on with their drivel.

Thanks,

Jon

From 681568751907244367
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a9716f7f1a9cde38
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 16:24:37 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!milton!
dali.cs.montana.edu!samsung!sol.ctr.columbia.edu!cunixf.cc.columbia.edu!
cunixd.cc.columbia.edu!mig
From: mig@cunixd.cc.columbia.edu (Meir)
Newsgroups: rec.ham-radio
Subject: Re: HT with tone burst and CTCSS tone
Message-ID: <1991Jan18.002437.19203@cunixf.cc.columbia.edu>
Date: 18 Jan 91 00:24:37 GMT
References: <5548@feldspar2.UUCP>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Organization: Columbia University
Lines: 24

In article <5548@feldspar2.UUCP> svec@motcid.UUCP (Larry Svec) writes:
>Does anyone know if any of the new dual band HTs available in the US have
>both 1750Hz tone burst and PL tone capability in the same HT which would
>ideally be front-panel programmable or easily jumperable without major
>surgery to convert back and forth. I understand in Europe this can be
>found rather easily so perhaps the radios DO do both but the one's sold
>in USA have that not enabled???
>I talked to Yaesu and they said these were solder-in modules, not
>easily swappable (on their FT470).
>Thanks...
>--
>Larry Svec - KD9OF
> home: 708-526-1256   e-mail: uunet!motcid!svecl   VHF: 145.150-
> work: 708-632-5259   fax: 708-632-2413, -3741   UHF: 443.575+
> "I know everything... even some things that are true!"

Try the Kenwood TH-75.
The newer, zippier, more expensive model is the TH-77 (also smaller &

more functional but may have a bug which causes memory loss when battery is dead).

```
 * * * * * * *  ====================== Meir Green
* * * * * * * * ====================== mig@cunixb.cc.columbia.edu
 * * * * * * *  ====================== N2JPG
```

From -6574493602781713049
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,343fd77fd72e7f04,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 17:38:12 PST
Path: gmdzi!unido!mcsun!uunet!bonnie.concordia.ca!thunder.mcrcim.mcgill.edu!snorkelwacker.mit.edu!apple!agate!ucbvax!UKPR.UKY.EDU!UK03981
From: UK03981@UKPR.UKY.EDU
Newsgroups: rec.ham-radio
Subject: Uniden 100xlt HandScanner
Message-ID: <9101180137.AA22464@ucbvax.Berkeley.EDU>
Date: 18 Jan 91 01:38:12 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Lines: 8

I have a Uniden Bearcat 100xl handscanner, and I am looking for ANY
mods that are available for this particular scanner.

If anyone knows where I can find some information, or that someone has
some 'mods', please send them to me.

Chris Nalley
UK03981@ukpr.uky.edu

From 1098281968678191813
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aa5981d5c697b612,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,aa5981d5c697b612,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-17 18:49:14 PST
Path: gmdzi!unido!mcsun!uunet!olivea!samsung!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: ICOM R1 Adjustment
Keywords: Noise Limiter
Message-ID: <308@bongo.UUCP>
Date: 18 Jan 91 02:49:14 GMT
Followup-To: rec.ham-radio
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 19
Xref: gmdzi rec.ham-radio:19550 rec.radio.shortwave:3653

The ICOM R1 Receiver seems to have a noise blanker when using the
AM mode.

I assume this can be defeated by a keyboard command. Does anyone know
what the command(s) would be to defeat the "Noise Blanker" "Automatic
Noilse Limiter (ANL)"?

Thanks in advance for any help.

A list of all the "secret" keyboard commands would be a treat.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@N6YN (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From 6448296630898469045
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8fe8724e3e054c4c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 20:14:28 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: CW snobbery - was "homebrewing"
Message-ID: <1084.27962B03@w8grt.fidonet.org>
Date: 18 Jan 91 04:14:28 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 34

> From: rec@chiton.ucsd.edu (Richard Currier)
> Date: 16 Jan 91 17:40:43 GMT
> Organization: MPL of SIO at UCSD
> Message-ID: <667@chiton.ucsd.edu>
> Newsgroups: rec.ham-radio
>
> In article <1069.27922A3F@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org
> (Jim Grubs) writes:
> >They're all over the place.
>
> This is very strange...I belong to several local clubs and went to the
> South-
> western ARRL convention. I go to local swap meets and know a lot of
> hams. I
> just don't seem to meet the kind snobby elitists that several on the net
> say
> they have been put off by. Now I don't say that they are not there and
> I'm not

> impugning anyones integrity, but I am at a loss as to why the vast
> majority of
> hams I know and seem to meet are friendly, normal people.

I never said they weren't "friendly, normal people". They just think their high speed CW capability makes them better hams than those without that capability. Of course, there are also people who think the fact they are on packet makes them superior. Among the latter, those with 56 kbps think they're better than those who can only go 9600, etc., ad nauseum. In other words, they're not renegades - they're just people.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -8663752828050852119
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcac4daa4d00f5fa
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,bcac4daa4d00f5fa
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-17 20:45:10 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!
ceres.physics.uiowa.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!
elroy.jpl.nasa.gov!decwrl!pa.dec.com!shodha.enet.dec.com!levers.enet.dec.com!
b_egan
From: b_egan@levers.enet.dec.com (Bob Egan)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: CNN on Shortwave?
Message-ID: <2331@shodha.enet.dec.com>
Date: 18 Jan 91 04:45:10 GMT
Sender: news@shodha.enet.dec.com
Followup-To: rec.ham-radio
Organization: Digital Equipment Corporation
Lines: 19
Xref: gmdzi rec.ham-radio:19555 rec.radio.shortwave:3662

i HAVE NOT HEARD THEM FULL TIME..BUT THE BBC HAS SIMU-CASTED THEM
SEVERAL TIMES...

In article <6214@exodus.Eng.Sun.COM>, jneher@tenorman.Eng.Sun.COM (Jonathan Neher X62863) writes...
>Does anybody know if CNN audio can be heard anywhere on HF
>(SSB feeds etc.). I live in the S.F. bay area and can't seem to
>find any full-time CNN audio on any radio stations around here,
>and I'm tired of the TV networks running CNN for a while then coming
>on with their drivel.
>

>Thanks,
>
>Jon
Bob Egan b_egan@levers.enet.dec.com
          --or-- ...!decwrl!levers.enet.dec.com!b_egan
          --or-- b_egan%levers.dec@decwrl.dec.com

From 1328720428215100534
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,325f1bbc975cd258
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 21:13:44 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!ub!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: Existing 610 form
Summary: no comment
Message-ID: <900@wells.UUCP>
Date: 18 Jan 91 05:13:44 GMT
References: <9101171334.AA03361@next0.looney>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 21

In article <9101171334.AA03361@next0.looney>, rachiele@NADC.NADC.NAVY.MIL writes:
> Concerning VE sessions having a hard time processing applicants
> the word "Examination" to "application", but until the form is
>
> updated, I'm sure any sane VE (and maybe even Dave Heller as well)
> could figure out how to submit the old form to handle the new case.
>   Jim, NE3X
>   rachiele@nadc.nadc.navy.mil

1.
1.   Gee, tanks.

2.   Now maybe even Crunchy could upgrade legally.

3.   There can be no s;u;ch thing as a SANE VE
                                       ^^^^
4.   You gotta be nuts to get involved.

5.   PF.

K3TX

From 1450303982605889042
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,143f703071adce2f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 21:15:19 PST

Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!root
From: root@n8emr.UUCP (Root)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1995@n8emr.UUCP>
Date: 18 Jan 91 05:15:19 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 23

From n8emr!W8PH Thu Jan 17 20:35:08 1991
Return-Path: <n8emr!W8PH>
Message-Id: <m0iwkrk-0000XQC@n8emr.uucp>
[Date: Thu, 17 Jan 91 20:28 EST
[To: <ALL@ARRL>
R:910118/0104z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:669 Z:43232
R:910118/0025 @:AD8I.OH.USA.NA Ashville, OH #:15569 Z:43103
R:800101/0223 @:WB8JIB.#DAY.OH.USA.NA Yellow Springs #:16891 Z:45387

ARRL BULLETIN 5 ARLB005
FROM ARRL HEADQUARTERS
NEWINGTON CT JANUARY 17, 1991
TO ALL RADIO AMATEURS

U.S. AMATEURS ARE ADVISED THAT AS OF 1430 EST OR 1930 UTC, JANUARY 17, 1991, NO SPECIAL RESTRICTIONS ON TRANSMITTING ARE CURRENTLY IN EFFECT AS A RESULT OF HOSTILITIES IN THE PERSIAN GULF. TO REPEAT, THERE ARE NO SPECIAL RESTRICTIONS AT THIS TIME. AMATEURS SHOULD BE PREPARED TO OBEY ANY INSTRUCTIONS RECEIVED THROGH THE FEDERAL COMMUNICATIONS COMMISSION. MONITOR W1AW BULLETINS FOR UPDATES.

-73-

From 1414683375285318921
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,147263284118940
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 21:27:31 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!wuarchive!zaphod.mps.ohio-state.edu!ub!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: Exam Procedure
Summary: code tests ren
Message-ID: <901@wells.UUCP>
Date: 18 Jan 91 05:27:31 GMT
References: <18992@shlump.nac.dec.com> <48105@apple.Apple.COM> <40365@genrad.UUCP>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 32

1. The code tests given are optional with the VE teams.

2. Most I"ve seen have been ultra-easy, to the point that a 13 wpm test is really an 8 wpm test and the usual 20 test only needs 15 wpm capability.
]

3. Nothing like the good old days, where FC\C gave you a 5 minute disjointed bit of text and you got a solid minute.

4. I've been at some sessions where I've been ashamed to sign the 610 forms. I had to, because the only cheating was by the examiner who made up the tests, and the examinees got the answers right. But:

5. Most teams have no idea how to construct a test. FI, almost all have as one question what are the callsigns given. Too easy.

6. Next to none of them test the punctuation.

7. And on and on.

8. I like a well-constructed true and false test. To pass you have to b e able to copy.

9. But most teams seem to want to be Good Guys and give the upgrades for the taking.

10. Who's kidding whom.

K3TX

From -7251800312545803844
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc9d6b25296b3e42,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-18 00:24:24 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!wuarchive!csus.edu!ucdavis!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: MAJOR SOLAR FLARE ALERT
Message-ID: <910118012424.272014af@HG.ULeth.CA>
Date: 18 Jan 91 08:24:24 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 81

-- MAJOR SOLAR FLARE ALERT --

JANUARY 17, 1991

Flare Event Summary
Potential Impact Forecast

MAJOR ENERGETIC EVENT SUMMARY

A major solar flare erupted off of the sun beginning at 14:55 UT, peaking at 15:02 UT and ending at 15:41 UT (event duration was 46 minutes). The flare was rated as a respectable class M6.9/1B energetic event. It was associated with a 350 s.f.u. (solar flux unit) Tenflare and a significant Type II sweep frequency burst event. The region responsible for this flare was Region 6455, which has exploded in growth over the past 24 hours. It now covers an area of approximately 330 million square kilometers and contains 17 visible spots within its boundary. It currently consists of a Beta type magnetic configuration in a type DAI optical pattern. It's location as of 18 January at 00:00 UT was S14W07. The location of the flare was S11W04.

Other regions currently visible are Regions 6444 (N15W50) and 6447 (S07W23). Region 6444 continues to span very large areas (3,840 million square kilometers with an angular extent of 21 degrees) and is by far the most impressive optical region visible, but has not succeeded in producing any flaring more energetic than class C x-ray events. Region 6447 is also quite impressive optically, but has become nearly dormant in flare output.

Solar activity should remain mostly low to moderate. No further major flaring is currently anticipated from Region 6455, although there is obviously a slight risk that it may produce surprisingly energetic activity. However, the data presently indicates that major flaring from this region will probably cease, although M-class flaring remains a possibility in this region, as well as in Regions 6444 and 6447.

POTENTIAL TERRESTRIAL IMPACT FORECAST

The association of this major flare with a strong Type II radio sweep indicates the distinct possibility that this event produced a coronal mass ejection. It is certainly well placed for producing terrestrial impacts, however it is important to note that no Type IV continuum radiation accompanied the Type II sweep. Hence, terrestrial impacts will likely remain relatively low.

There is a moderate to high probability that this flare will produce a sudden magnetic impulse within the next 48 hours or so followed by increased levels of geomagnetic activity and corpuscular radiation. However, the geomagnetic activity is expected to remain confined to mostly unsettled to perhaps active levels. There is a risk of minor storming over high latitudes. Middle latitudes should remain mostly unsettled with potential periods of active conditions. Worst case scenario's indicate potential minor storming over middle latitudes and major storming over high latitudes, however this projection is considered inaccurate considering the data collected thus far.

Auroral activity should increase coincident with the increase in geomagnetic activity sometime late on 19 January or 20 January. Activity is expected to be mostly moderate over high and middle latitudes.

Radio propagation conditions will likely witness decreased signal quality and increased fading, noise and distortion associated with the arrival of any enhanced corpuscular radiation. However, the conditions are not expected to be severely degraded. Relatively good DX should still be possible despite the expected increase in geophysical activity.

VHF auroral backscatter communications may become possible for high and northerly-middle latitude locations on 20 January, depending on the actual intensity of auroral and geomagnetic activity achieved. Any backscattering will likely be localized and sporadic.

It is entirely possible that we won't experience any geophysical impacts. However, the data would seem to indicate otherwise. Terrestrial impacts from this flare are currently expected to be relatively low, but should be measurable.

** End of Report **

From 3668905725708314915
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c31d7a7ffa7dd582,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-18 01:05:59 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!csus.edu!ucdavis!ucbvax!
PUCC.PRINCETON.EDU!fire%vaxfi.decnet.cern.ch
From: fire%vaxfi.decnet.cern.ch@PUCC.PRINCETON.EDU
Newsgroups: rec.ham-radio
Subject: Police radars and stealth cars
Message-ID: <9101180905.AA27222@dxmint.cern.ch>
Date: 18 Jan 91 09:05:59 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11

I don't want to destroy your dreams of getting rid of police radars but...
here in Italy police uses infrared or laser beams: two beams permit
measurement of speed and activate a photo-camera that is pointed to take
a picture of your plate. Bills arrive a few days later at home, together
with a sunspension of your driving licence...
What about a transparent radarproof car?

(add a big big smilie...)

73 de ik5pvx Pierfrancesco

From -9005065653821621716
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e76cd8f6ae2dc65b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-18 06:16:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!UNCG.BITNET!MOSIER
From: MOSIER@UNCG.BITNET (Steve Mosier)
Newsgroups: rec.ham-radio
Subject: Re: ARRL News
Message-ID: <D1D26FE79E9F206049@uncg.bitnet>
Date: 18 Jan 91 14:16:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20

I'd like to ask a question about a regular feature of the Info-Hams distribution. It is listed as "ARRL News" in the Table of Contents and is found in most issues. Here it is, in its entirety, complete, uncut, unabridged, and uncensored:

> ------------------------------
>
> Date: 18 Jan 91 05:15:19 GMT
> From: n8emr!root@tut.cis.ohio-state.edu (Root)
> Subject: ARRL news
> To: info-hams@ucsd.edu
>
>
>
> ------------------------------

Why don't I find this very newsworthy??

de W3GRG - steve
mosier@uncg

From -3802514612262132613
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8cb8b7404e157cc6
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10841b,8cb8b7404e157cc6
X-Google-Attributes: gid10841b,public
X-Google-ArrivalTime: 1991-01-18 08:27:38 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!midway!ellis.uchicago.edu!pbhx
From: pbhx@ellis.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio,comp.sys.mac.hypercard
Subject: Re: Ham License Text Files Needed
Message-ID: <1991Jan18.162738.2263@midway.uchicago.edu>
Date: 18 Jan 91 16:27:38 GMT

References: <289@kumr.UUCP>
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 25
Xref: gmdzi rec.ham-radio:19578 comp.sys.mac.hypercard:4891

In article <289@kumr.UUCP> kamins@kumr.UUCP (Scot Kamins) writes:
>
>This is a repost of an article I first posted on 1/9/91. I'm reposting it
> because I got -NO- responses. Nada. Zip. I'm hoping the reason that I
>got no responses is that the article didn't get out. (Hope springs eternal...)
>

You might wish to check your software. Our site has articles back to
1/4, and your posting is not here in rec.ham-radio.

>I'm currently developing a drill-and-practice HyperCard (Macintosh) stack for
>people interested in becoming Ham operators, or interested in upgrading to
>higher licences (eg, tech to general). While I'm still in the process
>of designing the feature set, the stack will do the following:
.
(edited out)...

Why reinvent the wheel? Diana Syriac has already developed a series
of hypercard stacks that do much of what you propose. They are
excellent; I used them for Novice thru Extra. Email her at
dls@genrad.com.
--

Peter B. Hayward   WX9T
University of Chicago Computing Organizations

From -7193273242447850741
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9db0794c573ac9f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-19 13:13:41 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!psuvax1!psuvm!cunyvm!ndsuvm1!
ud186413
From: UD186413@NDSUVM1.BITNET (Space Studies Student Organization)
Newsgroups: rec.ham-radio
Subject: Ramsey kits
Message-ID: <91019.151341UD186413@NDSUVM1.BITNET>
Date: 19 Jan 91 21:13:41 GMT
Organization: North Dakota Higher Education Computer Network
Lines: 19

I'm currently studying to take my novice exam, and have no equipment
yet. I have a couple of questions about the Ramsey kits.

Do you think that these kits would make good first radios?
(I have experience in electronics, and have built one of Ramseys

2m receivers, so building is not a problem. Is it possible
to use the VFO in a transmitter kit to tune a receiver kit (thus
making a small transciver)? Where would I get crystals to operate
on the novice bands?

A friend of mine leads a boy-scout troop, who are also studying
for their novice tickets, and he indicated intrst in buying
some of these kits for them after they get their liscences.

Any info/advice would be greatly appreciated!

John Nordlie
University of North Dakota
Space Studies Dept.   UD186413@VM1.NoDak.EDU

From 3836646772808919264
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a2bc1a51d4116639
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcd8b,304305c306923b8
X-Google-Attributes: gidfcd8b,public
X-Google-ArrivalTime: 1991-01-20 08:38:40 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio,alt.desert-shield
Subject: Re: how did CNN get their audio feed from baghdad?
Message-ID: <1986@ke4zv.UUCP>
Date: 20 Jan 91 16:38:40 GMT
References: <20470@know.pws.bull.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Followup-To: rec.ham-radio
Organization: Gannett Technologies Group
Lines: 32
Xref: gmdzi rec.ham-radio:19692 alt.desert-shield:4560
Posted: Sun Jan 20 08:38:40 1991

In article <20470@know.pws.bull.com> eli@pws.bull.com (Steve Elias) writes:
>do any of yall have an theories (ahem ahem) about how the CNN cats
>in the baghdad hotel managed to keep their audio feed alive?
>
>there was obviously a phone link involved on the US end at least,
>but the reporters on the scene were using a *microphone*, not a
>telephone to talk into. plus, other networks phone links were
>not working. and the baghdad telecom CO is apparently missing part
>of its top floor, as well as having many melted satellite dishes.
>
>my theory is that they used some sort of radiolink to get to someplace
>where phones were still working. some sort of radio-repeater link
>set up with local hams, perhaps? with enough links to get to a
>working telephone? you rec.ham-radio cats are probably familiar
>with this sort o technology -- ham to phone links. what do you think?
>--

>/* eli@spdcc.com eli@pws.bull.com   617 932 5598 508 294 7556 */

Working for the competition just down the street from CNN world headquarters leads to a better grade of gossip. My understanding is that the CNN crew has their own flyaway satellite uplink pack on the roof of their hotel. When the power went off at the hotel (a Tomahawk said hello to the power station), they lugged car batteries to the roof. This only gave them enough power to run their SPSC talkback link to the satellite. Thus they were totally independent of Iraqi telcom. When the Iraqi ministry of communications found out what they were up to, the Iraqis watch CNN, they came over Friday morning at 11 am eastern time and made them pull the plug. As a late breaking note, the Iraqis have expelled all foreign correspondents *except* the CNN crew. The Iraqis are still letting the CNN guys file reports as of 5:58 AM eastern time 1-20-91, but are now censoring what may be said.

Gary KE4ZV

From -8010979011591158081
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,530edf422b33be7f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,530edf422b33be7f,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,530edf422b33be7f,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f9437,530edf422b33be7f,start
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1991-01-20 20:51:40 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!usc!wuarchive!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: news.groups,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap
Subject: MASS ACKNOWLEDGMENT: rec.ham-radio reorganization
Message-ID: <4577@lib.tmc.edu>
Date: 17 Jan 91 12:38:01 GMT
Sender: usenet@lib.tmc.edu
Followup-To: news.groups
Organization: University of Texas Medical School at Houston
Lines: 157
Xref: gmdzi news.groups:24270 rec.ham-radio:19508 rec.ham-radio.packet:3420 rec.ham-radio.swap:919
Nntp-Posting-Host: thesis1.hsch.utexas.edu
Originator: jmaynard@thesis1.hsch.utexas.edu

Votes have been received from the following, as of 6 AM Central on 17 January 1990. A companion posting describes the reorganization, and contains the ballot used.

" 24298, GIBBONS, JOHN" <abvax!iccgcc.DNET!gibbonsj@uunet.UU.NET>
07-Jan-1991 1026 <bosslet@mr4dec.enet.dec.com>
adec23!mark@pembina.cs.UAlberta.CA

adkins@ti-csl.csc.ti.com
anicon!doug (Doug Grant)
autodesk!megalon!abeals@fernwood.mpk.ca.us (Only 345 more shopping days until Christmas)
barry@tanstaafl!edgar.Mn.Org (barry)
bill@mousetrap.canton.mi.us (William S. Johnston)
biocca@bevsun.bev.lbl.gov (Alan Biocca)
Bob Manson <manson@cis.ohio-state.edu>
Bob Witte <bobw@col.hp.com>
Bob_Dixon@osu.edu
"Brian Bartholomew" <bb@loggerhead.cis.ufl.edu>
brian@ucsd.edu (Brian Kantor)
brighton@vicom.com (Bill Carson)
brosen@BBN.COM
Charles J. Guest <chguest@pioneer.arc.nasa.gov>
Charley Kline <c-kline@uiuc.edu>
chk@alias (C. Harald Koch)
chuckb@amc.com (Chuck Baldwin)
"CPT Douglas E. Nielsen" <ASQK-DB-CO@taegu-emh1.army.mil>
cs00jmc@unccvax.uncc.edu (John Covington WN4BBJ)
ctuel@polyslo.CalPoly.EDU (Cliff Tuel)
curt@cynic.wimsey.bc.ca (Curt Sampson)
daves@amc.com (Dave Schmidt)
David Wright <D.W.Wright@stl.stc.co.uk>
dc@caveat.berkeley.edu (Dave Cottingham)
dem@meaddata.com (David Myers)
dillon@pa.dec.com (John Dillon)
ean@gvlv3.GVL.Unisys.COM (Ed Naratil)
Ed Hall <edhall@rand.org>
eddy@jafus.mi.org (Eddy J. Gurney)
electro!carlo@watcgl.waterloo.edu (Carlo Sgro)
emanuele@to.sem.it (Emanuele Girlando)
emmayche@dhw68k.cts.COM (Mark Hartman)
Eric Peterson <eric@prodnet.la.locus.com>
FINBERG%ebvxcl.draper.com@RELAY.CS.NET
foxworth@bnlls1.nsls.bnl.gov (Bob Foxworth)
fritz@caf.MIT.EDU (Frederick Herrmann)
Gary Bridges <bridges@isuee1.ee.iastate.edu>
gary@sci34hub.sci.com (Gary Heston)
gary@ssd.Kodak.Com (Gary M. Diana (645))
gemed!uunet!crdgw1.ge.com!med.ge.com!sol!woskoff@crdgw1.ge.com
Gerben 'P' Vos <gpvos@cs.vu.nl>
Gerrit Polder <GERRIT.POLDER%CRZ.AGRO.nl@CUNYVM.CUNY.EDU>
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gkd@wpi.wpi.edu (Gregory K Doerschler)
gmorris@nasamail.nasa.gov (GARY A. MORRIS)
gopstein@helix.squibb.com
Greg DesBrisay <gd@erg.sri.com>
grm@fig.cray.com (Greg Mansfield)
gt4393c@prism.gatech.edu
halley!rhino!watson@cs.utexas.edu (William Watson)
harrism@dg-rtp.dg.com (Mike Harris)
Harry P Bloomberg <hpb@unix.cis.pitt.edu>

harvee!esj@uunet.UU.NET (Eric S Johansson)
heiby@chg.mcd.mot.com (Ron Heiby)
Henk Peek <henkp@nikhefk.nikhef.nl>
Henry Black <henryb@hpspdra.spd.hp.com>
"Henry T. Rand" (AED-FD) <hrand@PICA.ARMY.MIL>
hera!rcmcc@bellcore.bellcore.com (McConnell, Ronald C., W2IOL)
hitz@tsar.enet.dec.com
Ignatius Tan <ig@siesoft.co.uk>
indep1!pete@uunet.UU.NET (Peter Franks)
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Jeff Rininger <jeffr@erg.sri.com>
Jim Hollenback <holly@hpcupt1.cup.hp.com>
Joe Dubner <dubner@hpspklu.spk.hp.com>
Joe Hamlin <hamlin@blackbird.afit.af.mil>
John Gruber<gruber@andy.bgsu.edu>
John Murray <murray@sun13.scri.fsu.edu>
John.J.Ackley@equi.com
"Jon W. McCombie" <jmccombi@BBN.COM>
Jordan Brown <jbrown@prodnet.la.locus.com>
jre@sactoh0.SAC.CA.US (Jim Earl)
jrm@col400.att.com (J. R. Massi)
julian@bongo.info.com (Julian Macassey)
jvm@alux2.att.com (James V Morgan, Jr)
kahrs@research.att.com
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larson@snmp.sri.com (Alan Larson)
lcz@sat.datapoint.com (Lee Ziegenhals)
linimon@chinacat.unicom.com (Mark Linimon)
luru@stekt.oulu.fi (Ari Husa OH8NUP)
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mbutts@case.MENTOR.COM (Mike Butts)
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mcb@presto.ig.com (Michael C. Berch)
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Mike Northam ext 2651 <sns4!mbn%fpssun.uucp@RELAY.CS.NET>
Mike Weihman <mikew@hpsadpe.hp.com>
millbrook!lrj@fibercom.com (Larry Johnson)
msb@sq.com (Mark Brader)
neil@wcc.oz.au (Neil Murray)
NMR1248@SATURN.LERC.NASA.GOV
nobody@Kodak.COM (John Spoonhower)
"Ofer Inbar" <cos@chaos.cs.brandeis.edu>
"Oh brave new worm to have such features in't 15-Jan-1991 1358"
<taber@pstjtt.enet.dec.com>

opel!vk2bea!michael@uunet.UU.NET
ornitz@Kodak.COM (Barry Ornitz)
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Paul Gerwitz <gerwitz@Kodak.COM>
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pbhx@midway.uchicago.edu (Peter B. Hayward)
pgh@cs.brown.edu (Paul Howard)
pm1@ukc.ac.uk
polo@iceland.att.com (Mark B Colosia)
pschleck@alf.unomaha.edu (Paul W. Schleck KD3FU)
railnet!rad@usenet.INS.CWRU.Edu (Rick DeMattia)
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rja7m@surya.cs.virginia.edu
Roger Taylor <rtaylor@ux1.cso.uiuc.edu>
scampbel%emdeng.dayton.ncr.com@RELAY.CS.NET
schnell@tahoe.unr.edu (Daniel C Schnell)
sde@larry.sal.wisc.edu (Scott Ellington)
seanp@amix.commodore.com (Sean Petty)
"Sid B. Bernstein" (AED-EWD|ARCS) <sidb@PICA.ARMY.MIL>
skcm@echo.canberra.edu.au (Carl Makin)
skwu@spot.Colorado.EDU (WU SHI-KUEI)
stanley@phoenix.com (John Stanley)
steve@matt.ksu.ksu.edu (Steve Schallehn)
stevenp@decwrl.dec.com (Steven Philipson)
sunriv!ronh@uunet.UU.NET
Ted Cowie <tvcent!ted@uunet.UU.NET>
teda!jeffy@decwrl.dec.com (I know you are! But what am I?)
teda!mikel@decwrl.dec.com (Mikel Lechner)
"Thomas Stingl, DL5SBS" <STINGL%i70vca%iravcl.ira.uka.de@RELAY.CS.NET>
tima@CFSMO.Honeywell.COM (Timothy D Aanerud)
Tom Haapanen <tom@mims-iris.waterloo.edu>
UUPETE@HELIOS.LERC.NASA.GOV
vail@tegra.com
Visualize Whirled Peas <brewer@anarky.enet.dec.com>
wdh@Eng.Sun.COM (Dennis Henderson)
weaver@news18.sfc.Sony.COM (Eric Weaver)
"Wolfgang Tremmel, Postmaster" <tremmel%ira.uka.de@RELAY.CS.NET>
wolves.uucp!ggw@mcnc.org (Gregory G. Woodbury)
woods@eci386 (Greg A. Woods)
wwtz@ciba-geigy.ch (Wolfgang Wetz)

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
"Fahrvergnugen, y'all." -- Volkswagen billboard in Houston

From -3936095100230026131
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6e99d79573eede1c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,6e99d79573eede1c,start
X-Google-Attributes: gidf9437,public

X-Google-Thread: f76e2,6e99d79573eede1c,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,6e99d79573eede1c,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1991-01-20 20:51:40 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!usc!wuarchive!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: news.groups,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap
Subject: SECOND CALL FOR VOTES: rec.ham-radio reorganization
Message-ID: <4578@lib.tmc.edu>
Date: 17 Jan 91 12:47:04 GMT
Sender: usenet@lib.tmc.edu
Followup-To: news.groups
Organization: University of Texas Medical School at Houston
Lines: 130
Xref: gmdzi news.groups:24271 rec.ham-radio:19509 rec.ham-radio.packet:3421 rec.ham-radio.swap:920
Nntp-Posting-Host: thesis1.hsch.utexas.edu
Originator: jmaynard@thesis1.hsch.utexas.edu

This is a formal call for votes for the proposed reorganization of rec.ham-radio.*. The discussion period started on December 4, 1990, and has run for just over the required 30 days (extended from the original ending time of 31 December 1990 due to the Christmas and New Year's holidays). Please read this entire posting before sending in your vote; the ballot to be used is at the end. I'm processing ballots automatically, and not following the instructions below may result in your vote not getting counted.

THE PROPOSAL:
=============

The following groups are to be renamed:

```
rec.ham-radio        => rec.radio.amateur.misc
rec.ham-radio.packet => rec.radio.amateur.packet
rec.ham-radio.swap   => rec.radio.swap
```

Groups will be renamed by creating the replacement group, asking site admins to alias the old group to the new one, and rmgrouping the old group after traffic in it has died down, hopefully about a month later. This method has been shown to work in other hierarchies.

The following groups are to be created:
rec.radio.amateur.policy
This group is intended to contain any and all discussion about policy issues pertaining to amateur radio, including, but not limited to, rules, regulations, laws, and legal actions by and against amateur radio operators. This group is to be unmoderated.

rec.radio.cb
This group is intended to contain discussions related to Citizens' Band radio. This group will be unmoderated.

RATIONALE:

==========

1. Why move the groups at all? The primary motivation is to make it easier for interested people to find newsgroups related to ham radio. The rec.radio hierarchy was created after rec.ham-radio (net.ham-radio before the Great Renaming). It is an inconsistency in the namespace to have groups for similar purposes separated from each other, and that makes it harder for new users to find the desired groups. Further, this allows a change from ham radio to amateur radio (see next topic).

2. Why .amateur instead of .ham? It has been pointed out in discussion that "ham radio" is primarily an American term, and carries little meaning outside the US. In addition, there are negative connotations attached to "ham" that don't apply to "amateur". Some confusion also exists in the public mind about just what a "ham radio operator" is, as evidenced by the occasional "ham operator jams aircraft frequencies!" when the person in question has never been a licensed amateur radio operator.

3. Why a .policy group? A significant part of the traffic in rec.ham-radio is concerned with issues of policy. This includes substantially all of the flamage, which has in the recent past included such subjects as whether or not it's legal to order a pizza via an amateur repeater, the proposal to add a class of license that does not require knowledge of the International Morse Code, and the legality of modifying amateur equipment to transmit outside the amateur bands. The new group is intended to move the flames and the long discussions that never seem to get anywhere out of the main group.

4. Why use the name .policy, instead of .rules, .regs, .regulations, etc.? The group is intended to contain any and all discussion about any policy issues pertaining to amateur radio. This includes not just rules and regulations of the FCC and other national regulatory bodies, but also laws affecting hams (such as the infamous New Jersey scanner law), lawsuits over nuisance issues, antenna ordinances, frequency coordination and band planning, and the like. .policy is the best name that has been suggested for the group out of many possibilities.

5. Why not a .tech group? There are two reasons for this one. The first is that there's more to ham radio that's non-inflammatory than just technical discussions, and the object of a new group is to move the flames, not run away from them. A .tech group would leave those of us who are interested in more than just technical discussions, yet not in the seemingly endless legal discussions, left to wade through the flames. Second, Brian Kantor, who maintains the info-hams mailing list, has said that info-hams will continue to gateway rec.ham-radio (and, presumably, rec.radio.amateur.misc) only, and moving the technical postings off would deprive those on the mailing list.

6. Why create a .cb group? There is currently no place for Citizens' Band radio discussions explicit in the hierarchy. These postings currently wind up in rec.ham-radio, where they tend to generate flamage all out of proportion to their volume.

THE MECHANICS OF THE VOTE:

The voting period will run from Monday, 7 January 1991 until Monday, 28 January 1991. Only votes received during that period will be counted. Each proposal is a separate vote, and must be voted on separately under the Guidelines for Group Creation (which have been applied to renames as well in the past).

Please edit and send in the ballot below. Each ballot will be stripped of all but the From: line and the lines containing valid votes by an automatic process; I won't see any comments included. No individual acknowledgments will be mailed. Votes will be acknowledged en masse in a posting on Thursday, 18 January 1991, and complete vote results will be posted on Tuesday, 29 January 1991.

For each proposal, indicate your choice of a yes vote or a no vote by placing a Y or N, respectively, at the beginning of the line. The first character on the line that is either a Y or an N (case doesn't matter) will be counted as your vote on that proposal. You may abstain from any particular vote by deleting the line entirely from the ballot. An invalid line (one not containing a Y or an N before the "Proposal #n:" tag) will be treated as an abstention, as well. Mail the completed ballot to me at this address, jmaynard@thesis1.hsch.utexas.edu, with the characters "VOTE" somewhere in the Subject: line. (Again, case doesn't matter.) Replying to this message with your newsreader's mail reply command ("R" in rn, readnews, vnews, and vn; I don't know nn's commamd) will work fine. Votes posted to the net will be summarily ignored and may earn the poster a free flame from the net.police.

THE BALLOT:

```
 ?   Proposal #1: Rename rec.ham-radio to rec.radio.amateur.misc
 ?   Proposal #2: Rename rec.ham-radio.packet to rec.radio.amateur.packet
 ?   Proposal #3: Rename rec.ham-radio.swap to rec.radio.swap
 ?   Proposal #4: Create rec.radio.amateur.policy
 ?   Proposal #5: Create rec.radio.cb
```

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
"Fahrvergnugen, y'all." -- Volkswagen billboard in Houston

From -2909973239781061655
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a2bc1a51d4116639
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb2d1,7713675397701a0d,start
X-Google-Attributes: gidfb2d1,public

X-Google-ArrivalTime: 1991-01-22 05:01:16 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!utzoo!censor!geac!torsqnt!lethe!yunexus!davecb
From: davecb@yunexus.YorkU.CA (David Collier-Brown)
Newsgroups: alt.desert-storm,rec.ham-radio
Subject: Re: how did CNN get their audio feed from baghdad?
Message-ID: <20931@yunexus.YorkU.CA>
Date: 22 Jan 91 13:01:16 GMT
References: <20470@know.pws.bull.com> <1986@ke4zv.UUCP>
Organization: York U. Computing Services
Lines: 19
Xref: gmdzi alt.desert-storm:2086 rec.ham-radio:19792

gary@ke4zv.UUCP (Gary Coffman) writes:
| Working for the competition just down the street from CNN world headquarters
| leads to a better grade of gossip. My understanding is that the CNN crew
| has their own flyaway satellite uplink pack on the roof of their hotel.

Last night, CBC (Canadian Broadcasting Corp) showed tapes brought out of Bagdad by their reporters: the british had a pair of battery-powered man-packable sattelite uplinks, which they used from the hotel grounds after the power went off. They were kind enough to let U.S. reporters use them for a while, too.
The equipment was a 3' collapsable wire dish, a lump of equipment in a nylon suitcase-like bag and a rather ordinary telephone handset.

--dave
--
David Collier-Brown, | davecb@Nexus.YorkU.CA | lethe!dave
72 Abitibi Ave., |
Willowdale, Ontario, | Even cannibals don't usually eat their
CANADA. 416-223-8968 | friends.

From -9057412199454946 39
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b75226207eb8d30
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-23 04:47:37 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: yes, I goofed re: 160m
Summary: Open book exams
Message-ID: <2002@ke4zv.UUCP>
Date: 23 Jan 91 12:47:37 GMT
References: <1991Jan13.224622.24753@NCoast.ORG> <7880421@hpfcdc.HP.COM> <1991Jan21.071457.24731@ux1.cso.uiuc.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 26

In article <1991Jan21.071457.24731@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil
Howard KA9WGN) writes:
>
>This is why I propose OPEN BOOK exams on the rules part (make it a
>separate element). Each examinee will be required to bring his/her
>own copy of the FCC rules, which will be checked for LACK OF ANY
>interpretation by the VE's before its use is allowed (given this
>setup of exams ARRL and others WILL end up making little rule books
>available). The questions will then be worded with the assumption
>that the rule book is available. Thus they will be harder, more
>thorough, and more of them. But with the rule book in hand, this
>should be plenty easy enough, *IF* you know how to read the rules
>and find out what you are allowed to do and not do. It is more a
>test of ones ability to read the current rules rather than memorize
>the rules that happen to be in effect at the time of the exam.
>
>It might also encourge more hams to actually have a copy of the rules.

This is the way the Master Electrician exam is given in the state of
Georgia. You are required to bring a copy of the Southern Electrical
Code with you to the exam. This is a four hour exam and you'd better
already be familiar with the sections of the Code or you'll never
find the things you need in time. You are also questioned about Georgia
laws on billing and fair trade practices as well as the State Tax code.
Good test.

Gary KE4ZV

```
From 6610824088821401080
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcac4daa4d00f5fa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-23 04:58:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!sdd.hp.com!samsung!emory!
wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: CNN on Shortwave?
Message-ID: <2003@ke4zv.UUCP>
Date: 23 Jan 91 12:58:00 GMT
References: <6214@exodus.Eng.Sun.COM> <1991Jan19.061838.9721@cbnewsj.att.com>
<1991Jan21.072332.25223@ux1.cso.uiuc.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 39
```

In article <1991Jan21.072332.25223@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil
Howard KA9WGN) writes:
>ralph@cbnewsj.att.com (Ralph Brandi) writes:
>
>>There were rumors a while back that Ted Turner was considering
>>setting up a shortwave station for CNN. Anybody for a lobbying

>>campaign to convince him of the worth of WCNN-SW? I was wishing
>>such a thing existed as I was driving around listening to local WCBS
>>blathering on and on....
>
>This would certainly be a very worthy use of the SWBC spectrum, IMHO.
>I would certainly want to encourage Mr. Turner to go for it.
>
>However, the way shortwave broadcasting works, especially in the US since
>the FCC adheres to international rules and proceedures, makes doing a full
>24 hour news operation difficult. Four times a year, the SW broadcast
>licensees "apply" for a schedule of hour+frequency slots. The US is granted
>a certain number of them (I believe by the ITU) each quarter and VOA surely
>gets the major portion. The independent stations get the pick of what is
>left.
>
>The SWBC spectrum is intended for INTERNATION, not domestic, broadcasting.
>CNN certainly can qualify for it, but this will also affect how the spectrum
>and time is allocated each quarter.
>
>I would also like to see the 120m, 90m, and maybe even the 60m bands opened
>up for regional and domestic broadcasting in the US.

There are several problems from a business point of view with this type
of operation. Mainly there is no audit of audience size or demographics
available to allow commercial sales. Without solid commercial sales there
is no profit. Also, the intent of the 50,000 watt clear channel rules in
the AM band is to allow regional broadcast coverage already. At least for
the eastern two thirds of the US, WHO in Des Moine covers this nicely.
Their slogan is "From border to border and coast to coast and then some".
Other wide coverage stations are WLS Chicago, WOWO Ft. Wayne, WWL in New
Orleans, WBZ Boston, WLW Cincinati, and good old WSB in Atlanta. There
are several more, but those are the ones I listen to on occasion.

Gary KE4ZV

From -7213851254881251181
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2049594f78923c59,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-23 10:22:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: NEEDED:: TH-75A MODS
Message-ID: <27080056@col.hp.com>
Date: 23 Jan 91 18:22:50 GMT
References: <9101210821.AA09487@hermes.intel.com>
Organization: HP Colorado Springs Division
Lines: 8

The ICOM IC-32AT may fairly easily be converted to transceive from 430 to 462 (I'm not exactly sure of the limits here). It has CTCSS and programmable (odd) splits. I have been very satisfied with its ham/ scanner performance. My only beef would be that during scan mode, the scan will resume after 15 seconds, even though you might be listening to a station at the time. Other radios allow for several scan "modes" which allows the user to specify the most useful mode for the situation. Also, the scan rate is a fairly low 6 ch/sec.

From -1972841373290521097
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17c19aa782ba4d69,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-23 19:59:37 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!bbn.com!nic!bunny!harvey.gte.com!dhp1
From: dhp1@harvey.gte.com (David Pascoe)
Newsgroups: rec.ham-radio
Subject: Hams to visit in KH6?
Keywords: Hawaii or Oahu
Message-ID: <10423@bunny.GTE.COM>
Date: 24 Jan 91 03:59:37 GMT
Sender: news@gte.com
Lines: 16

I'll be visiting Hawaii on business near the end of February and would like to get on the air if possible. I thought of bringing my rig but with the airline security the way it is and the fact that I need to carry lots of other stuff I'd rather not have the hassle. Plus, it will be tough to get a decent antenna up where I'll be.

Does anyone know any ham(s) on Hawaii (near Hilo or anywhere else I guess) or on Oahu who I might be able to visit and guest-op for a little while? I'll be stopping on Oahu for a day or so and then on to Hawaii.

Any suggestions are welcome...please e-mail to me at the address below.

--
Dave Pascoe | Internet: dhp1@gte.com
GTE/EDCD | UUCP: ...!{harvard}!gte.com!dhp1
KM3T | Packet Radio: km3t @ ka2qhd.nj

From -7281112272716086321
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bc4ba2dc50ec65c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,1bc4ba2dc50ec65c,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-01-24 08:07:40 PST
Xref: utzoo sci.electronics:17193 rec.ham-radio:30143
Path: utzoo!utgpu!news-server.csri.toronto.edu!cs.utexas.edu!samsung!spool2.mu.edu!uunet!kitty!larry

From: larry@kitty.UUCP (Larry Lippman)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Flux Gate Compass
Summary: A few comments...
Keywords: Direction, Flux Gate, Compass
Message-ID: <4346@kitty.UUCP>
Date: 24 Jan 91 16:07:40 GMT
References: <541@cow.ecs.oz>
Organization: Recognition Research Corp., Clarence, NY
Lines: 47

In article <541@cow.ecs.oz>, bmp@cow.ecs.oz (Bruce Paterson) writes:
> A friend is attempting to build (from scratch) a flux-gate compass
> for use in a vehicle mounted dead-reckoning navigation system.

You might have a difficult time in the design and winding of the flux gate itself, which is not a trivial undertaking if you hope to achieve any reasonable accuracy and linearity! While there are single-phase rectilinear flux gates wound on a straight core, it is more common to see two-phase and three-phase flux gates wound on toroidal cores. I cannot give you any practicable details for winding your own flux gate, however.

> We can't really use other methods of navigation like Omega or Nav-Star
> since 1) Neither are very well covered here
>   2) We need information about the current heading of the vehicle as well.

You should be aware that even the best quality military grade flux gates (commonly called a "north seeker", btw) have an accuracy of no better than +/- 1 degree of azimuth, with lesser quality military grade models having accuracies of +/- 3 degrees of azimuth. Commercial devices degrade from there... :-) I point this out because some people incorrectly believe that flux gate devices have greater accuracy than the above.

> Has anyone had experience with these beasts ? Likely problems/ shortcomings
> etc.
> In particular
>   1) How do you negate the magnetic effects of the vehicle itself ?
>   (bearing in mind we have overhead tram lines here !)

Using small adjustable compensation magnets, which are internal to some flux gate devices. A traditional marine approach is to use the large ferrous mass of a binnacle, but that is not to practicable for a car. :-)

>   2) How do you negate the effects of vehicle tilt (That is, the
>   verticle component of magnetic field biassing the readings ?

Many military and commercial aircraft flux gates are mounted on gimbals to provide pitch and roll tolerance of up to 45 degrees.

For further information on flux gate devices, you might wish to try a flux gate manufacturer, such as Humphrey, Inc. or Sperry

Navigation Systems.

Larry Lippman @ Recognition Research Corp. "Have you hugged your cat today?"
VOICE: 716/688-1231   {boulder, rutgers, watmath}!ub!kitty!larry
FAX: 716/741-9635   [note: ub=acsu.buffalo.edu] uunet!/   \aerion!larry

From -7749801695224238881
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,48972a12de887bb3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-24 10:37:46 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!lll-winken!
elroy.jpl.nasa.gov!swrinde!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!
attcan!lsuc!atha!aupair.cs.athabascau.ca!rwa
From: rwa@cs.athabascau.ca (Ross Alexander)
Newsgroups: rec.ham-radio
Subject: Re: CW snobbery - was "homebrewing"
Summary: a freq of interest
Message-ID: <629@aupair.cs.athabascau.ca>
Date: 24 Jan 91 18:37:46 GMT
References: <668@chiton.ucsd.edu> <1991Jan20.222937.19729@NCoast.ORG>
<1991Jan23.175856.28160@NCoast.ORG>
Organization: Athabasca University
Lines: 27

In article <1991Jan23.175856.28160@NCoast.ORG>, allbery@NCoast.ORG (Brandon S.
Allbery KB8JRR) writes:
> As quoted from <672@chiton.ucsd.edu> by rec@chiton.ucsd.edu (Richard Currier):
> +---------------
> | I'll check it out...Any other freqs of interest to a new rttyite? rittyiter?
> | rttyperson? I got it...rttyophyle...B-)
> +---------------
>
> None I've heard that I can use with a Tech license... which is one reason why
> I'm working on Advanced. [;-)] I am told that 80m is popular for RTTY.

Yes, there's lots of action from about 3095 to 3635, the RATS net runs
weekday evenings @ 04:00Z at or near 3620.0. For some reason, the
Seattle area seems to be a hotbed of RTTY activity. The fly in the
ointment is that there seem to be some long-haul packet stations on
3618.0 or thereabouts, so when conditions are good they tend to rise
up out of the noise.

And for something completely different - on Friday last, about 06:30Z
or so, I found a group (I think at least 4 stations) of Asian fishing
boat ops having a chat net on 3555.0. They must have been close
on-shore, their signals were s7 to s9, although the loudest signal was
also the dirtiest; it sounded like he was transmitting from the inside
of a culvert. Fortunately they weren't QRMing anyone.
--
--
Ross Alexander   rwa@cs.athabascau.ca   (403) 675 6311   ve6pdq

"Sometimes, you want everything to look like a nail." -- Larry Wall

From 5732899594007308467
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2bc5f2b849a7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-24 12:43:26 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!elroy.jpl.nasa.gov!swrinde!cs.utexas.edu!asuvax!anasaz!rusty
From: rusty@anasaz.UUCP (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: HELP with mike cord
Message-ID: <3620@anasaz.UUCP>
Date: 24 Jan 91 20:43:26 GMT
References: <010491.144024.enge@ibm.com> <10510014@hpcuhb.cup.hp.com>
Reply-To: rusty@anasaz.UUCP (Rusty Carruth)
Organization: Anasazi, Inc.
Lines: 40

In article <10510014@hpcuhb.cup.hp.com> fel@hpcuhb.cup.hp.com (Skip La Fetra) writes:
->It's preventive medicine, rather than a cure, but......
->
->If you never turn the mike over (observe the way you pick up &
->put down the mike -- you'll be surprised) or (if you have a long
->telephone handset cord) do the same thing by stepping over the
->cord (i.e. walking in a circle), then the cord will take a very
->long time to kink. Ideally, never.

You also have to watch out for hand changing - you'd also be surprised how easily that will rotate the cord (generally a half turn for each ear switch, even if you switch, for example, from right to left and back again you tend to rotate it the same way each time, giving a full rotation.

->However, to me the prevention is worse than the problem. Paying
->enough attention to my (habitual) mike-handling takes more effort
->than periodically unkinking the cord.
->
->Such is life.   -73   Skip AA6WK

Ah, but if you trained yourself to NEVER kink the cord, then you would never have to unkink it, so you would never have to periodically unkink the cord.

I do not know if this works, though, I've never been able to train myself to not kink it - so I periodically disconnect the cord from the handset and let it untangle itself. (Hanging a heavy weight on the cord only makes it unwind differently than it would at rest, which means that your cord ends up kinked anyway).

Oh, well. We now return you to something REALLY important - whatever

it is thats currently going on in r.h-r (I'm about 2 weeks behind,
in case you could not tell by the age of the article I'm replying
to!).   :-)
--
+++ 73 de Rusty Carruth, N7IKQ +++ Bang: ames!ncar!noao!asuvax!anasaz!rusty
inet: anasaz!rusty@asuvax.eas.asu.edu Pony xpress: POB 27001, Tempe AZ 85285
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz
The Ham Callsign Project, part 3 (the 1990 version) - its HERE! Email for info

From -5710321690754474070
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1e6a78ded086c415,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,1e6a78ded086c415,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-24 16:27:47 PST
Path: gmdzi!unido!mcsun!ukc!icdoc!syma!jeremym
From: jeremym@syma.sussex.ac.uk (Jeremy Maris)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Radio Baghdad - Anyone heard it since war ?
Message-ID: <4319@syma.sussex.ac.uk>
Date: 25 Jan 91 00:27:47 GMT
Sender: news@syma.sussex.ac.uk
Organization: University of Sussex
Lines: 12
Xref: gmdzi rec.ham-radio:19882 rec.radio.shortwave:3879

I heard Baghdad up till war broke, but not since. BBC reports indicate
that monitoring is from Nicosia in Cyprus, and a reporter there once relayed a
very noisy, jammed transmission via his mike. THe signal seemed weak
with a chirping jammer of equal strength.

Has anyone heard anything from it recently, English or otherwise ?

--
Jeremy Maris G3XDK
Sussex University
Brighton England

From 7437297150988817071
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cef60d62bb410d0b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-24 17:27:03 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!shelby!unix!hplabs!hpcc05!col!hp-col!winfree!davea
From: davea@n3eua.ampr.org (David A Allen)
Newsgroups: rec.ham-radio
Subject: Heathkit Multi-mode Active Audio Filter
Message-ID: <1991Jan25.012703.4920@n3eua.ampr.org>

Date: 25 Jan 91 01:27:03 GMT
Distribution: all
Organization: The Bit Basement
Lines: 15

I just got the latest HeathKit catalog and noticed that they've got their
Multi-mode active audio filter on sale for $70. Does anyone have any
experience with this filter?

I'm currently using a Heath SB-104A with a 400 Hz CW filter for CW on HF.
This rig doesn't have much to help filter out audio noise or adjacent signals
--I'm hoping that an active audio filter might help.

Any experience with this filter, or experience with a similar filter in the
same price range, would be appreciated.

'73

Dave Allen, N0IPQ
davea@winfree.COM

From 942546951478488075
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dbc7bad44a25200b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-24 20:59:40 PST
Path: gmdzi!unido!mcsun!uunet!samsung!interlan.InterLan.COM!interlan.interlan.com!yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Freq Co-ord in NE
Message-ID: <YETSKO.91Jan24111334@interlan.interlan.com>
Date: 24 Jan 91 16:13:34 GMT
Reply-To: yetsko@interlan.interlan.com
Distribution: rec.ham-radio
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 7

Does anyone know who the frequency co-ordinator is for the New England
central MASS area is? Does one guy cover all bands or is it broken into
different bands?

Mike Yetsko
N1DVJ
InterLan

From -6904566255804537621
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bf6d0907f93e4f0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-24 20:59:48 PST

Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!samsung!interlan.InterLan.COM!interlan.interlan.com!yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: Sex and CW outmoded?
Message-ID: <YETSKO.91Jan24113750@interlan.interlan.com>
Date: 24 Jan 91 16:37:50 GMT
References: <1991Jan24.150746.21155@lonex.radc.af.mil>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 4
Posted: Thu Jan 24 10:37:50 1991
In-reply-to: popyackl@lonex.radc.af.mil's message of 24 Jan 91 15:07:46 GMT

Naw, the computer does the work and works up the sweat!

Mike Yetsko
N1DVJ

From 4411647239980661087
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c65f4c523163363c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-24 21:19:43 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!AMATEUR1.CAC.STRATUS.COM!jay
From: jay@AMATEUR1.CAC.STRATUS.COM (ase)
Newsgroups: rec.ham-radio
Subject: U2MIR
Message-ID: <9101241733.AA04170@amateur1.cac.stratus.com.>
Date: 24 Jan 91 17:33:03 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11

After several passes I got a connection into U2MIR (not U2MIR-1).
I sent a single message up but their wasn't a control op on at the
time. Do they have any provisions to see at a later time the message
I sent or must I log into the bbs ? The window in the Northeast is
approximately 6 Minutes. My understanding is that they will QSL
right ?

Thanks

Jay Appell - KA1SNA

From 8539263530803582528
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,922e5441b3b9fb60,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1991-01-27 05:35:37 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!emory!swrinde!zaphod.mps.ohio-state.edu!think.com!mintaka!bloom-beacon!deccrl!news.crl.dec.com!decvax.dec.com!zinn!ubbs-nh!wa1omm!paul
From: paul@wa1omm.UUCP (Paul MacDonald)
Newsgroups: rec.ham-radio
Subject: New Icom Handheld
Message-ID: <paul.5142@wa1omm.UUCP>
Date: 27 Jan 91 13:35:37 GMT
Organization: Amateur Radio Station WA1OMM
Lines: 19

I heard a rumor that Icom is advertising a new dual-band handheld in Japan called the IC-W2. From the *sketchy* information I have it is a 144/440 transceiver similar to the 24AT but with true dual-band performance similar to the TH-77A. Also, a wide-band receiver similar to the IC-R1. Anyone out there with more info?
--

```
                                 /\  /\
                                //\\//\\
            +---------^^^^------------------^^^^---------+
            | From the shack of WA1OMM -- Paul MacDonald |
            | Using the power of the multitasking Amiga! |
            |                                             |
            | Compuserve: 70411,626    PLink:  UPPERCRUST |
            | Amateur Packet Radio:    WA1OMM@KB4N.NH.USA |
            | Usenet:       ...virgin!ubbs-nh!wa1omm!paul |
            +---------------------------------------------+
                 /\ / /\  (~  / / / / /\      /\ / / /
                /  V /~~\ _) /~/ /_/ /~~\ ,  /  V /~/
```

From -4724257638630655239
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10501b,fa402d43d3ab5481,start
X-Google-Attributes: gid10501b,public
X-Google-Thread: 1594fa,fa402d43d3ab5481,start
X-Google-Attributes: gid1594fa,public
X-Google-ArrivalTime: 1991-01-27 07:01:12 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!spool2.mu.edu!samsung!noose.ecn.purdue.edu!lion.ecn.purdue.edu!milton
From: milton@lion.ecn.purdue.edu (Milton D Miller)
Newsgroups: rec.electronics,rec.ham-radio,rec.physics
Subject: Re: GPS accuracy in wake of Desert Storm?
Keywords: GPS Navigation
Message-ID: <1991Jan27.150112.21494@noose.ecn.purdue.edu>
Date: 27 Jan 91 15:01:12 GMT
References: <846@vk2bea.UUCP>
Sender: news@noose.ecn.purdue.edu (USENET news)
Organization: Purdue University Engineering Computer Network

Lines: 32
Xref: gmdzi rec.ham-radio:19919

In article <846@vk2bea.UUCP> michael@vk2bea.UUCP (Michael G. Katzmann) writes:
>Has anyone noticed a degradation of the Navstar GPS system since the
>outbreak of unpleasentness in the middle east?
>
>The implication, when GPS was first started, was that during times of
>crisis the C/A code would be degraded so that an enemy could not use it.
>
>Does differential GPS totally get around this, or is there a trick
>they can use to defeat this technique?
>

This topic has come up in comp.protocols.time.ntp, where they use it for time synchronization. The time on the satilites can be scrambled based on commands from the ground to reduce the accuracy. Military GPS decoders can decode the scrambling, of course, but not civilian decoders.

For a while, after the latest US-USSR treaties, the scrambling was turned off (ie, the time was unperturbed). However, shortly after Aug. 2, the scramblers were turned back on, and they accuracy of the (computer) clocks that synchronized to them went down accordingly.

So the answer to your question is yes, the signal has gone down, but it was some time ago. A side note, there have been several civilian GPS decoders shipped to the Gulf region...

milton

Disclaimer: my understanding of the GPS is limited to two lectures on the theory of operation, Phil's post on the coverage of B. on I-day, and reading comp.protocols.time.ntp, which is where most of this information comes from.

From 491551187750559117
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,9f90dc4e412e1aa1,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,9f90dc4e412e1aa1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb9af,9f90dc4e412e1aa1,start
X-Google-Attributes: gidfb9af,public
X-Google-Thread: 10f3ae,9f90dc4e412e1aa1,start
X-Google-Attributes: gid10f3ae,public
X-Google-Thread: f5d40,9f90dc4e412e1aa1,start
X-Google-Attributes: gidf5d40,public
X-Google-ArrivalTime: 1991-01-27 07:02:07 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!pdxgate!jove.cs.pdx.edu!jprice
From: jprice@jove.cs.pdx.edu (James Price)
Newsgroups: alt.conspiracy,alt.folklore.urban,rec.radio.shortwave,rec.ham-

radio,talk.rumors
Subject: Radio Signals from Space?!?
Keywords: radio shortwave ham space signals astronauts Tesla
Message-ID: <1290@pdxgate.UUCP>
Date: 26 Jan 91 07:43:32 GMT
Sender: news@pdxgate.UUCP
Reply-To: jprice@jove.cs.pdx.edu (James Price)
Organization: Havona
Lines: 86
Xref: gmdzi alt.conspiracy:2736 alt.folklore.urban:7208 rec.radio.shortwave:3877 rec.ham-radio:19881 talk.rumors:147
Posted: Fri Jan 25 23:43:32 1991

After reading the Illuminati trilogy (Wilson, Shea) I ran across a book called "The Illuminoids" by Neal Wilgus. subtitled:

> "In the past's darkest corners dwelled the secret occult orders
> that altered the shape of history. These were...
> The Illuminoids
> " A revealing expose of the influence on the government conspiracies
> behind today's most sensational headlines!
> "A stunning history of their legendary beginnings

With an introduction by R.Anton Wilson....

anyway:

the first 150 pages are commentary, the next hundred or so on a chronology, ending with addresses/bib

p.206 1950 - ..."Alleged CIA plot to introduce UFO contact ideas with "Little Green Men" stories and radio contact from space"...

p.207 1952 - ..."George Adamski meets Venusians in the California desert; alleged CIA plot to start a UFO scare. UFOlogist George Hunt Williamson, one of Adamski's witnesses, claims he witnessed ham radio operator establish contact with another world"

p.208 1954 - ..."Broadcaaster Frank Edwards fired for discussing UFOs on the air. Strange voice "from space" speaks from turned-off radios in Midwest US and London, warns against preparations for war."

p.209 1957 - ..."Unexplained short wave radio signals received worldwide."

1958 - ..."Ham radio operators in US pick up a male voice claiming to be Nacoma of Jupiter and warning of atomic bomb disaster in English, German, Norwegian and his own unknown language."

p.210 1960 - ..."Project Ozma, searching for intelligent signals from another part of the universe, receives unexplained signals from space."

p.211 1961 - ..."Unexplained transmissions from space monitored by ham radio operators worldwide; Bob Renaud, ham operator, allegedly makes contact with aliens."

p.213 1963 - ..."Unexplained radio transmission interrupts astronaut Gordon Cooper in unidentified language."

p.219 1965 - ..."Three Russian scientists reort receiving signals from space."...."Another ham operator, Sidney Padrick, makes contact with UFO aliens."

p.222 1968 - ..."Astonuats circling the moon interrupted by unexplained voices. Unexplained distress signals from Mid-Pacific received by radio station, "...

From a book titled "Modern Mysteries of Britian" comes a one page story concerning a 1977 (?) mysterious interruption of Southern TV's signal by an alleged space voice that warned of war for about five and one half minutes. The officials claimed it a "hoax" although there are many safeguards to prevent such things.

Didn't Tesla claim to be getting signals from space also?

What of the stories of receiving back a signal too soon after you had sent it, implying apparently some artificial retransmission.

I have heard claims of "censored" xmission by astronauts in which they supposedly speak about UFOs they see. (Can't bring myself to believe the story about "There is a Santa Claus" to be a codeword for UFOs)

The Southern TV story particularly intrigues me......

Comments, anyone?

(Don't worry, I'm not the type who thinks he's gettin space signals...)

James
Internet jprice@jove.cs.pdx.edu "Justice is incedental to law and order."
SCUD: 45 31 25 N 122 40 30 W - J. Edgar Hoover
Unity not uniformity "Reading musses up my mind." - Henry Ford

From 3223595974754630674
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3aa151726a135a67,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-27 08:00:09 PST

Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!magnus.ircc.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!agate!riacs!shelby!rutgers!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio
Subject: HR2600 Mod to 29.9999 MHz???
Keywords: Uniden, Modification, Transverter
Message-ID: <406@ka2qhd.UUCP>
Date: 27 Jan 91 16:00:09 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 21

I have a Uniden HR2600 that I am using with a Microwave Modules transverter to operate on 2-meters. Since my primary interest is to cover the 2-meter amateur satellite subband (145.800 to 146.000 MHz), I was wondering if there were any modifications that could be performed on the HR2600 to extend its frequency range to 29.9999 MHz. I tried the HR2510 mod on the 2600, and it did nothing.

Any information would be appreciated. Please e-mail your notes to me and I will summarize and re-post all information to the net.

Thanks!

73, de John, KD2BD

```
--
John A. Magliacane                FAX  : (908) 747-7107
Electronics Technology Department  AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College       UUCP : ...!rutgers!ka2qhd!kd2bd
Lincroft, NJ  07738  USA          VOICE: (908) 842-1900 ext 607
```

From -1198803932379245371
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,656fff6fd795f8bd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-27 08:50:01 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!lll-winken!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpcc05!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Re: reply to Need a simple computer/radio interface
Message-ID: <27080058@col.hp.com>
Date: 27 Jan 91 16:50:01 GMT
References: <CDEECE1E121F0016A2@uncg.bitnet>
Organization: HP Colorado Springs Division
Lines: 38

>/ col:rec.ham-radio / MOSIER@UNCG.BITNET (Steve Mosier) / 6:03 am Jan 23, 1991 /

```
>I have a copy of Super Morse, a great piece of software which will send and
>receive morse code as well as instruct and build speed.  Has anyone played
>around with hooking this up to a receiver to act as a morse receiving terminal?
>I don't really want to invest in a multi-digital-mode terminal unit just to see
>if my computer will copy morse off of my receiver.  I'd like to hear from
>anyone who has played around with simple audio detector/logic interfaces.
>
>Steve - W3GRG
>----------
  Steve,
  A few comments:
  Super Morse is a great program, but when I tried to use it for
  real live QSOs I found it lacking many important features (type
  ahead buffer with both sent and typed text displayed, stored
  messages, etc.) Super Morse's forte is as a training tool.

  I do have a simple circuit for SENDING morse which connects to
  the RS-232 port. I guess I'm too much of a purist to use the
  computer for receive. [Oops, OH NO, the no-code/DSP flames are
  about to start! ]

  I also have some experience with an MFJ interface and basically
  found that it really only worked well on very strong signals.
  Therefore, I rarely used it for receive.

  The PC-compatible software I presently use is called CW-1 written
  by N0BF. It's a good basic program for sending Morse code and
  does not have any receive capability. It works well, has a good
  feature set and I highly recommend it.

--------------------------------------------------------------------
Bob Witte              HP Colorado Springs Division
bobw@col.hp.com        P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO  80901
Radio: KB0CY
"All Africans walk single file -- at least the one I saw did."
--------------------------------------------------------------------


From -6368618107416352276
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10501b,fa402d43d3ab5481
X-Google-Attributes: gid10501b,public
X-Google-Thread: 1594fa,fa402d43d3ab5481
X-Google-Attributes: gid1594fa,public
X-Google-ArrivalTime: 1991-01-27 10:39:04 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!src.honeywell.com!doip!
dahl
From: dahl@SRC.Honeywell.COM (Peter Dahl)
Newsgroups: rec.electronics,rec.ham-radio,rec.physics
Subject: Re: GPS accuracy in wake of Desert Storm?
```

Keywords: GPS Navigation
Message-ID: <1991Jan27.183904.19911@src.honeywell.com>
Date: 27 Jan 91 18:39:04 GMT
References: <846@vk2bea.UUCP>
Sender: news@src.honeywell.com (News interface)
Organization: Honeywell Systems & Research Center
Lines: 31
Xref: gmdzi rec.ham-radio:19920
Nntp-Posting-Host: doip.src.honeywell.com

In article <846@vk2bea.UUCP> michael@vk2bea.UUCP (Michael G. Katzmann) writes:
>Has anyone noticed a degradation of the Navstar GPS system since the
>outbreak of unpleasentness in the middle east?
>
>The implication, when GPS was first started, was that during times of
>crisis the C/A code would be degraded so that an enemy could not use it.
>
>Does differential GPS totally get around this, or is there a trick
>they can use to defeat this technique?
>--
>Michael Katzmann   > Broadcast Sports Technology Inc.
>~~~~~~~~~~~~~~~~~   <   Crofton, Maryland. U.S.A
>Amteur Radio Stations: >
>NV3Z / VK2BEA / G4NYV   <   UUCP: uunet!opel!vk2bea!michael

Selective Availability (SA) for GPS has been turned off for the Desert Shield/Storm effort. It has been off at least since early October of last year. Apparently, a large number of commercial units are being used over there and so SA is off. (Have you tried to buy a commercial GPS receiver lately?) To answer your question, yes SA is supposed to be on during a war. I don't know why it is not, but a guess would be that we don't have enough military receivers. GPS should not be much help to Iraq since their missiles don't use it.

Yes, differential GPS can be used to cancel the errors put in by SA. Using a single receiver, SA is by far the largest source of error. In a differential system, other factors like satellite geometry become the largest sources of error.

peter dahl@src.honeywell.com
I had fun once, and it wasn't anything like this

From 2583668781811571467
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3d311526da751ff2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-27 12:06:48 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!usc!ucsd!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: MAJOR SOLAR FLARE ALERT - 27 JANUARY

Message-ID: <910127130648.29e02082@HG.ULeth.CA>
Date: 27 Jan 91 20:06:48 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 86

-- MAJOR SOLAR FLARE ALERT --

JANUARY 27, 1991

Flare Event Summary
Potential Impact Forecast

MAJOR ENERGETIC EVENT SUMMARY

Another major energetic Tenflare exploded from Region 6471 today. The flare began at 14:39 UT, peaked at 15:50 UT and ended near 16:04 UT on 27 January. The flare, located at S14E59, attained a class X1.9/1B rating and was associated with a Type IV sweep frequency event. There are strong suspicions that this flare was a proton flare. Although no solar protons have been observed yet, a proton shock is expected to occur near 04:00 UT on 28 January. The proton event is expected to be relatively weak, near 20 pfu at greater than 10 MeV.

Region 6471 is expected to continue to produce major flaring possibly throughout it's transit on the solar disk (possibly for the next 13 days). Terrestrial impacts could become high as this region traverses the disk and crosses into the western hemisphere within the next 5 days.

Regions 6462 and 6466 are magnetically and optically complex, but are not producing any significant flaring. They do, however, have the capability of spawning major flares and could do so at any time.

The solar flux achieved a level of 301 today, the highest it has been since August 22 of 1990. It has jumped a whopping 57 points in the last three days alone (98 points in the last 6 days)! Active regions are continuing to rotate around the east limb in more active configurations than expected. The solar flux is expected to remain above 300 for at least the next several days (barring any significant decay in any of the regions currently visible).

There is a significant possibility for extended 6 meter openings due to the greatly enhanced solar radiational output. Please also note that a polar cap disturbance could commence near 04:00 UT if the proton shock presently predicted manifests itself on 28 January.

POTENTIAL TERRESTRIAL IMPACT FORECAST

This latest flare is expected to produce mostly active conditions. Active geomagnetic conditions are expected to begin late on 27 January or sometime early on 28 January due to the X10.8/SF major flare of 25 January. Impacts from this latest flare are expected to keep geomagnetic activity at active levels through to 29/30 January. There is a risk of high latitude minor to major storming (most likely remaining confined to minor storming). Middle latitudes should remain mostly active to very active with possible brief periods of minor storming. The predicted planetary A-index values for the next three days hover near 25, so periods of minor storming are quite possible over middle latitudes. High latitudes will be affected most strongly, with very active to minor storm conditions and risks of brief major storming.

Auroral activity will pick up on 28 January (UT time). High latitudes will witness moderate to high auroral activity. Middle latitudes will witness predominantly low to moderate activity. Radio communications near the auroral zones will be poor to very poor. Conditions will improve with distance away from the auroral zones. However, increased noise, absorption and flutter fading are possible over middle and low latitudes as the increased corpuscular radiation reaches the earth.

There is a chance of some isolated VHF auroral backscatter communications on the evening of 28 January and most likely also 29 January. The quality, duration and extent of the conditions suitable for such communications will depend to a large extent on the intensity of the flare impact. Presently, only isolated instances of backscatter are expected. If activity surpasses levels predicted, more widespread backscatter may become possible on the VHF bands.

Barring any further major flaring, conditions should improve by 30 January (possibly earlier). Major flaring is likely, however, so there is a chance that the activity could be extended into early February.

Reports of degraded radio propagation over the next 3 days would be appreciated. Please send any reports of degraded conditions along with a description of the conditions experienced, to: std_oler@hg.uleth.ca. Thanks.

** End of Report **

```
From 2876448286231663258
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,19f37fd74a10a758,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 12:08:57 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!lll-winken!
elroy.jpl.nasa.gov!swrinde!zaphod.mps.ohio-state.edu!magnus.ircc.ohio-state.edu!
tut.cis.ohio-state.edu!ucbvax!lynx.northeastern.edu!sehrlich
From: sehrlich@lynx.northeastern.edu
Newsgroups: rec.ham-radio
Subject: Fast Pizza
Message-ID: <memo.706751@lynx.northeastern.edu>
```

```
Date: 27 Jan 91 20:17:31 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 39

>>>In article <130@acestes.UUCP> paradis@acestes.UUCP (Jim Paradis) writes:
>>In article <38228@cup.portal.com> ts@cup.portal.com (Tim W Smith) writes:
>>I was once asked for my phone number when ordering a pizza by
>>phone.  In this case, it seems reasonable to give out my phone
>>number, so that they can contact me if there are any problems
>>finding me during delivery.  In this case, however, I was asking
>>for a delivery to a place where I did not have a phone - I was
>>going to go there as soon as I finished the order.
>
>Actually, I've known some pizza shops who ask for the phone number
>so they can call you right back and verify that it was indeed a
>bona fide order... something about kids with nothing better to do
>calling up a pizza shop, ordering an armload, and never picking
>them up.......

+The Pizza Huts here in Austin seems to have a complete database of
+everyone who's ordered pizzas from them keyed on the phone number.
+When you call their centralized order taking service, they ask for
+your phone number and based on that, they can pull up your name,
+address and details of every pizza you've ordered in the past!

+It's convenient... I often just call and tell them to send me the same
+as what I had the last time. Still, one wonders: what do they do with
+all that information? What kind of fast food mailing lists am I going
-> to be on? What can people do with the knowledge that I like large
-> supreme pizzas with a pan crust and I order them about once a month?
-> The mind boggles. (Partially :-)

+--
+Siddarth Subramanian          INTERNET: siddarth@cs.utexas.edu
                              UUCP:     uunet!cs.utexas.edu!siddarth

They might use the information received to know how much they should
charge customers for the more frequently asked for items, and cut down
on the less frequently asked items.


Scott (sehrlich@lynx.northeastern.edu)
KA1WNU


From 341532207266893638
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e215aa6d13451fba,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 12:09:31 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!samsung!cs.utexas.edu!
uunet!tut.cis.ohio-state.edu!ucbvax!UNCG.BITNET!MOSIER
```

From: MOSIER@UNCG.BITNET (Steve Mosier)
Newsgroups: rec.ham-radio
Subject: Sex, CW, & bothering
Message-ID: <CA8C64D1903F20027C@uncg.bitnet>
Date: 27 Jan 91 20:25:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9

Hey, guys. I don't want to use the computer to send code. I just built the CMOS Super Key II and love it! And I don't want to use the computer to copy code either. I'm almost up to speed for Extra and I don't want to blow it now. What I want to do is experiment. Wouldn't a diode rectifier off of the speaker, with a suitable RC time constant after it, fed into an optocoupler, give logic level inputs to the computer? That's what I'm going to try, but I'd be interested in other approaches.

de W3GRG - steve

From 3342673614368186872
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1d75e5bf5f825674,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 12:09:52 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!samsung!usc!ucsd!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: POTENTIAL GEOMAGNETIC STORM WARNING
Message-ID: <910127131508.29e0202f@HG.ULeth.CA>
Date: 27 Jan 91 20:15:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 38

****
*** POTENTIAL GEOMAGNETIC STORM WARNING ***
****

Issued: 18:00 UT, 27 January

Geomagnetic Storm Warning

Attention:

Due to the recent major flaring and expected interplanetary shocks, a Potential Geomagnetic Storm Warning has been issued, particularly for the middle and high latitude regions. There is uncertainty regarding how intense the geomagnetic activity could become. Hence, a geomagnetic storm warning has been issued. Please note that this warning does not mean that a magnetic storm is in progress. This warning is meant only to alert those who could be affected to the potential for geomagnetic storming. Activity is currently expected to remain near active to very active levels for middle latitudes, but higher latitudes could sustain minor storming for extended periods. If geomagnetic storming does develope over middle latitudes, a Geomagnetic Storm Alert will be posted.

The estimated planetary magnetic A-index for the next three days is expected to be near 25. High latitudes could experience magnetic storming capable of pushing the A-index above 50. Middle latitudes will likely experience activity between 20 and 35. Low latitudes will likely observe A-index values of near 15 to possibly 30.

Conditions should begin to improve on 30 January (possibly earlier), barring any further major flaring (which seems likely at the present time). Watch for possible geomagnetic and/or major flare alerts.

** End of Warning **

From 1016232750807848555
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10b271,49f4feb6e9496862
X-Google-Attributes: gid10b271,public
X-Google-Thread: 105d97,49f4feb6e9496862
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-01-28 12:11:10 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!lll-winken!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio,sci.electronics,sci.physics
Subject: GPS accuracy in wake of Desert Storm?
Message-ID: <1154.27A2ECFD@w8grt.fidonet.org>
Date: 27 Jan 91 21:11:01 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 23
Xref: gmdzi rec.ham-radio:19907 sci.electronics:11113 sci.physics:11219

> From: michael@vk2bea.UUCP (Michael G. Katzmann)
> Date: 25 Jan 91 14:09:22 GMT
> Organization: Broadcast Sports Technology., Crofton, MD
> Message-ID: <846@vk2bea.UUCP>
> Newsgroups: rec.ham-radio,sci.electronics,sci.physics
>
> Has anyone noticed a degradation of the Navstar GPS system since the
> outbreak of unpleasentness in the middle east?
>

> The implication, when GPS was first started, was that during times of
> crisis the C/A code would be degraded so that an enemy could not use it.
>
> Does differential GPS totally get around this, or is there a trick
> they can use to defeat this technique?

Jeepers, Michael, why don't we just invite Saddam to sit in on JCS planning sessions and be done with it?

--
Jim Grubs - Support OPERATION DESERT STORM - the 9th Crusade!
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 6230230747328112431
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88b7a008533da555,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,88b7a008533da555,start
X-Google-Attributes: gidf9437,public
X-Google-Thread: fddbf,88b7a008533da555,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,88b7a008533da555,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1991-01-28 12:12:03 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!cs.utexas.edu!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: news.groups,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap
Subject: VOTE RESULTS: rec.ham-radio reorganization
Message-ID: <4600@lib.tmc.edu>
Date: 28 Jan 91 12:22:34 GMT
Sender: usenet@lib.tmc.edu
Followup-To: news.groups
Organization: University of Texas Medical School at Houston
Lines: 280
Xref: gmdzi news.groups:24389 rec.ham-radio:19908 rec.ham-radio.packet:3466 rec.ham-radio.swap:941
Nntp-Posting-Host: thesis1.hsch.utexas.edu
Originator: jmaynard@thesis1.hsch.utexas.edu

The voting period for the rec.ham-radio.* reorganization is now over.
The proposals to be voted on were:
Proposal #1: Rename rec.ham-radio to rec.radio.amateur.misc
Proposal #2: Rename rec.ham-radio.packet to rec.radio.amateur.packet
Proposal #3: Rename rec.ham-radio.swap to rec.radio.swap
Proposal #4: Create rec.radio.amateur.policy
Proposal #5: Create rec.radio.cb

The results are as follows:
Proposal 1: 172 to 47...margin 125, percent in favor 78.538813
Proposal 2: 178 to 42...margin 136, percent in favor 80.909091

```
Proposal 3: 177 to 44...margin 133, percent in favor 80.090498
Proposal 4: 173 to 44...margin 129, percent in favor 79.723502
Proposal 5: 160 to 49...margin 111, percent in favor 76.555024
```

As you can see, all five proposals have passed, since all five have a margin of yes votes over no votes of greater than 100, and all five have more than 67% (2/3) of the votes cast being yes votes.

The five-day period of checking for duplicates and invalid votes begins as of the time that these results appear in news.announce.newgroups, per the Guidelines for Newsgroup Creation. If no problems that change the outcome of any proposal are found, then I will ask Eliot Lear to issue newgroup messages for rec.radio.amateur.misc, rec.radio.amateur.packet, rec.radio.swap, rec.radio.amateur.policy, and rec.radio.cb. In a month, I will ask him to repost the newgroup messages, and post rmgroups for rec.ham-radio, rec.ham-radio.packet, and rec.ham-radio.swap. I would ask sysadmins on the net to alias rec.ham-radio to rec.radio.amateur.misc, rec.ham-radio.packet to rec.radio.amateur.packet, and rec.ham-radio.swap to rec.radio.swap when they receive the newgroup messages - but not before.

Thanks go to all who provided input into the process of shaping this proposal. It started out as one man's idea, but quickly grew to encompass just about every input even remotely compatible with the overall objective. Thanks also go to all who voted - as you can see, every vote counts, as just 6 votes the other way would have defeated rec.radio.cb.

For those who keep track of when votes are received, 85 were received the first day, 128 by the fourth, 148 by the tenth, and 33 the day after the second call for votes was posted. Only 14 were received in the last week.

I wound up writing a shell script to massage ballots received into the format you see below, and an awk program to generate the report at the top of this message. Anyone who's interested in those pieces of cruft (really, they're not pretty - they just work), just drop me a note and I'll pass them along.

The votes received are listed below: (Y=yes, N=no, A=abstain)

```
+---------Proposal #1
| +-------Proposal #2
| | +-----Proposal #3
| | | +---Proposal #4
| | | | +-Proposal #5
V V V V V From: line as received
Y Y Y Y Y " 24298, GIBBONS, JOHN" <abvax!iccgcc.DNET!gibbonsj@uunet.UU.NET>
N N N N N 07-Jan-1991 1026 <bosslet@mr4dec.enet.dec.com>
N N N N N abe@mace.cc.purdue.edu
N Y Y Y Y adec23!mark@pembina.cs.UAlberta.CA
Y Y Y Y Y adept!alan@cs.utexas.edu (Alan Ruffer)
Y Y Y Y Y adept!jim@cs.utexas.edu (Jim Benoit)
Y Y Y Y Y adept!lynn@cs.utexas.edu (Evelyn Ruffer)
Y Y Y N A adkins@ti-csl.csc.ti.com
Y Y Y Y A Andreas Bjorklind <abj@IDA.LiU.SE>
N N N N A Andrew Siegel <abs@nbc1.ge.com>
```

```
Y Y Y Y Y anicon!doug (Doug Grant)
Y Y Y Y Y autodesk!megalon!abeals@fernwood.mpk.ca.us (Only 345 more shopping days
until Christmas)
Y Y Y N Y barry@tanstaafl!edgar.Mn.Org (barry)
N Y N Y Y Bernhard Buettner <buettneb@informatik.tu-muenchen.dbp.de>
N N N N N bill@mousetrap.canton.mi.us (William S. Johnston)
Y Y Y Y Y biocca@bevsun.bev.lbl.gov (Alan Biocca)
Y Y Y Y Y Bob Manson <manson@cis.ohio-state.edu>
Y Y Y Y N Bob Witte <bobw@col.hp.com>
Y Y Y N N BOB WOOD WA7MXZ <BOBW@cc.usu.edu>
Y Y Y Y Y Bob_Dixon@osu.edu
Y Y Y Y Y bootsie!olson (Eric K. Olson)
Y Y Y Y Y "Brian Bartholomew" <bb@loggerhead.cis.ufl.edu>
Y Y Y Y Y brian@nucleus.AMD.COM (Brian McMinn)
N N N N N brian@ucsd.edu (Brian Kantor)
Y Y Y Y Y brighton@vicom.com (Bill Carson)
Y Y Y Y A brosen@BBN.COM
Y Y Y Y Y Charles J. Guest <chguest@pioneer.arc.nasa.gov>
Y Y Y Y A Charley Kline <c-kline@uiuc.edu>
N N N N N Charlie Panek <charlier@lsid.hp.com>
Y Y Y Y Y Charlie Root <root@utcrt2.utc.chalmers.se>
Y Y Y Y Y chk@alias (C. Harald Koch)
Y Y N Y N chuckb@amc.com (Chuck Baldwin)
Y Y Y Y Y chuckb@tc.fluke.COM (Chuck Bowden)
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Y Y Y Y Y "CPT Douglas E. Nielsen" <ASQK-DB-CO@taegu-emh1.army.mil>
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Y Y Y Y Y daves@amc.com (Dave Schmidt)
Y Y Y Y Y David Wright <D.W.Wright@stl.stc.co.uk>
N N N N Y dc@caveat.berkeley.edu (Dave Cottingham)
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Y Y Y Y Y Denny Lim <dlim@BBN.COM>
Y Y Y Y Y dillon@pa.dec.com (John Dillon)
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N N N N Y Doug Faunt N6TQS 415-688-8269 <faunt@cisco.com>
N Y Y Y Y Doug.Tabor@Central.Sun.COM (Douglas Tabor [Sun Colorado Commercial SE])
Y Y Y Y Y drw@css.itd.umich.edu
Y Y Y Y Y Duncan Elliott <dunc@eecg.toronto.edu>
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```

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N N N N N gary@ssd.Kodak.Com (Gary M. Diana (645))
Y Y Y Y Y gbastin@x102c.ess.harris.com (Gary Bastin 60293)
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N Y Y Y Y Henry Black <henryb@hpspdra.spd.hp.com>
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N N N N Y "Oh brave new worm to have such features in't 15-Jan-1991 1358"
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Y Y Y Y Y "System Manager" <system@n6vbg.hamavnet.com>
Y Y Y Y Y Tadd <torbortc@clutx.clarkson.edu>
Y Y Y Y Y Ted Cowie <tvcent!ted@uunet.UU.NET>
Y Y Y Y Y teda!jeffy@decwrl.dec.com (I know you are! But what am I?)
Y Y Y Y Y teda!mikel@decwrl.dec.com (Mikel Lechner)
Y Y Y Y N The Wandering Phew <chuq@apple.com>
Y Y Y Y Y Thomas Alan Dockstader <td1e+@andrew.cmu.edu>
Y Y Y Y Y "Thomas Stingl, DL5SBS" <STINGL%i70vca%iravcl.ira.uka.de@RELAY.CS.NET>
Y Y Y Y Y tima@CFSMO.Honeywell.COM (Timothy D Aanerud)
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Y Y Y Y Y zehntel!pete@decwrl.dec.com (Peter Danan)
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
"Today is different from yesterday." -- State Department spokesman Margaret Tutwiler, 17 Jan 91, explaining why they won't negotiate with Saddam Hussein

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From -5636874592123762318
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f4feb6e9496862
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 12:15:39 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!spool2.mu.edu!samsung!usc!zaphod.mps.ohio-state.edu!magnus.ircc.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!unb.CA!LANG
From: LANG@unb.CA
Newsgroups: rec.ham-radio
Subject: Re: GPS accuracy in wake of Desert Storm?
Message-ID: <ID7002.D910127.T164759.LANG@unb.ca>
Date: 27 Jan 91 20:47:58 GMT
References: <info-hams-relay@UCSD.EDU>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 43

On Sun, 27 Jan 91 13:05:57 AST Info-Hams Mailing List and Newsgroup
> From: opel!arinc!vk2bea!michael@uunet.uu.net (Michael G. Katzmann)

> Has anyone noticed a degradation of the Navstar GPS system since the outbreak of unpleasentness in the middle east?
>
> The implication, when GPS was first started, was that during times of crisis the C/A code would be degraded so that an enemy could not use it.

Selective Availability (S/A) is a procedure by which the accuracy of Navstar GPS is degraded. It involves dithering the clock which controls all of the signals generated within a satellite as well as a deliberate degradation of the accuracy of the satellite orbit information transmitted by the satellite in its broadcast message. A de-cryption unit is required to remove S/A effects in a receiver used for absolute or point positioning. S/A had been turned on last spring as part of the on-going testing of GPS. However it was turned off in August at the start of the U.S. military build-up in the Gulf. The speculation on why S/A was turned off is that the U.S. did not have enough units with the de-cryption device installed. In fact, the DoD made a large purchase of civilian GPS receivers to outfit the troops. GPS will not be declared fully operational until the full satellite constellation is in place, likely to happen in 1993. By then the DoD likely will have the right radios so that they won't have to turn S/A off. By the way, at that time AS (Anti-Spoofing) will also be turned on. AS involves the further encryption of the P-code - the precision pseudorandom noise code.

> Does differential GPS totally get around this, or is there a trick
> they can use to defeat this technique?

Yes, differential GPS can get around most of the effect of S/A. But to do real-time differential, you need a radio link of some sort between the stations - something which would be an obvious target during hostilities.

```
==============================================================================
 Richard B. Langley                            BITnet: LANG@UNB.CA or SE@UNB.CA
 Geodetic Research Laboratory                  Phone:  (506) 453-5142
 Dept. of Surveying Engineering                Telex:  014-46202
 University of New Brunswick                   FAX:    (506) 453-4943
 Fredericton, N.B., Canada  E3B 5A3
==============================================================================
```

From 5085948280317815902
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29de78d771baa91e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 12:15:57 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!spool2.mu.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!lynx.northeastern.edu!sehrlich
From: sehrlich@lynx.northeastern.edu
Newsgroups: rec.ham-radio
Subject: TCP/IP
Message-ID: <memo.708022@lynx.northeastern.edu>
Date: 28 Jan 91 16:15:41 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10

When I eventually get a packet station put up at my home, I would like to be able to access TCP/IP capabilities. Just one problem (I think). I have an Apple][c computer. Can anyone recommend a book (or advice) on how I can access TCP/IP using my][c? Does any][software exist for this function?

Thanks much in advance.

Scott (sehrlich@lynx.northeastern.edu)
KA1WNU

From -2456157948448958612
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,89499aa10b5b0fde,start
X-Google-Attributes: gid114aac,public

X-Google-Thread: 10c9e3,89499aa10b5b0fde,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 13:08:10 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!spool2.mu.edu!uunet!pyrdc!pyrnj!bartal!crlabs!CRLABS.COM
From: cwiener@CRLABS.COM (Chris Wiener)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: R-71A computer control routines wanted
Keywords: R-71A, UX-14, computer, C
Message-ID: <2966@crlabs.CRLABS.COM>
Date: 27 Jan 91 22:52:07 GMT
Sender: cwiener@CRLABS.COM
Reply-To: cwiener@CRLABS.COM
Followup-To: rec.ham-radio
Organization: CR Labs, Fort Lee, NJ
Lines: 33
Xref: gmdzi rec.ham-radio:19921 rec.radio.shortwave:3900

I am looking for source code to control an Icom R-71A equipped with the UX-14 serial interface. I want to have something like UNIX cron to change the receiver's frequency and mode at a certain time, and then run some program on the host.

Maybe something like:

```
c:\crontab
----------
at 0000 gmt run c:\nam.bat

c:\nam.bat
----------
ic71freq 8078.2
ic71mode usb
c:\fax\hffax /a
```

The batch file would run at 0000 GMT, the receiver would be set, and the WEFAX program whould run.

Source code for a library of C functions which control the Icom radios via a serial port would make the above concept trivial. Simtel20 has a program written by Phil Karn, but it's for the parallel port.

Please reply via email. I'll post any leads if there is enough demand.

Chris

===
Christopher Wiener N2CR   CR Labs, Fort Lee, NJ
DOMAIN: cwiener@CRLABS.COM   UCCP: ..!rutgers!crlabs!cwiener
Thal's Law: For every vision there is an equal and opposite revision.

From -1629242456199220798
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e3dcd3a5efafcb9b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 13:23:14 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!lll-winken!elroy.jpl.nasa.gov!usc!zaphod.mps.ohio-state.edu!magnus.ircc.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!APPLE.COM!k3mc
From: k3mc@APPLE.COM (Mike Chepponis)
Newsgroups: rec.ham-radio
Subject: NCPA Downlink packet newsletters available in electronic form
Message-ID: <9101280638.AA12350@apple.com>
Date: 28 Jan 91 06:38:51 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 40

I've placed the Spring, Summer, and Fall issues of the NCPA Downlink (the newsletter of the Northern California Packet Association) in the ~ftp/pub/ncpa/ directory of vax.cs.pitt.edu (Thanks to Bob Hoffman, N3CVL, for providing an internet site for these files!). The files are available via anonymous FTP access.

They are compressed PostScript files, with this name mapping:

Issue	for unix	for PC
Spring '90	DL2.ps.Z	dl2.zip
Summer '90	DL3.ps.Z	dl3.zip
Fall '90	DL4.ps.Z	dl4.zip

Both versions contain the same .ps file, just in slightly different binary forms for FTPing convenience. There are no text only files available.

Briefly, the NCPA represents the Northern California packeteers, and the information in the newsletter reflects this slant. Since it is a quarterly, it doesn't have much timely information (some of us would like to think that the content of our newsletters is timeless... ;-). Since one of the major goals of NCPA is education, we thought that by disseminating our newletter to the amateur population at large we would better fulfill our goals.

We will release our newsletter in electronic form each quarter when we have the next quarter's newsletter completed. So, our members currently have the Winter edition, and we'll release the Winter edition electronically when our Spring '91 issue is ready, for example. So the electronic edition will be one quarter behind.

THIS IS NOT A MEMBERSHIP DRIVE, or anything of that sort! We just want to get some information out to the packet community. Of course, if you want to join NCPA, you're welcome to do that, and timely paper copies of the NCPA Downlink will be mailed to you.

Mainly, if you and the folks you give copies to end up benefiting ham radio packet, we all will win!

-Mike k3mc

From 5953356427127715371
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,72f010307b11796
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 13:24:18 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!lll-winken!elroy.jpl.nasa.gov!mahendo!wlbr!lonex.radc.af.mil!szarekw
From: szarekw@lonexc.radc.af.mil (William J. Szarek)
Newsgroups: rec.ham-radio
Subject: Re: Need a simple computer/radio interface
Summary: :-)
Keywords: Please say it isn't so
Message-ID: <1991Jan28.151907.5976@lonex.radc.af.mil>
Date: 28 Jan 91 15:19:07 GMT
References: <CDEECE1E121F0016A2@uncg.bitnet>
<1991Jan24.125202.13009@lonex.radc.af.mil>
<1991Jan25.002106.30023@cunixf.cc.columbia.edu>
Sender: szarekw@lonex.radc.af.mil
Followup-To: Meir Green
Organization: RL
Lines: 23
Nntp-Posting-Host: lonexc.radc.af.mil

>
>Incidentally, computer generated code is a lot easier to copy since most
>peopler have TERRIBLE fists!
>

I bet that I send code better than you type!!!! (peopler????)
Some people are doomed to TERRIBLE fists . . . even with a mighty computer!

>No need to reply to this, I can also think of responses

couldn't resist

>Live and LET LIVE. I doubt that using a computer to receive code is the
>FCC's idea of poor operating practice!

Never said it was. It is only silly. If you wanna type and have the other person read your words, than why choose cw over rtty or packet. Sending cw by computer at 100wpm is like computer generated art. It is nice, pleasing to the eye, etc. But is it art?

73
buzz
wm1w

From -2890528520988052724
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,22b326962d6709c2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 13:24:22 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!lll-winken!elroy.jpl.nasa.gov!mahendo!wlbr!lonex.radc.af.mil!szarekw
From: szarekw@lonexc.radc.af.mil (William J. Szarek)
Newsgroups: rec.ham-radio
Subject: Re: sex and cw
Summary: study study study
Message-ID: <1991Jan28.153803.7127@lonex.radc.af.mil>
Date: 28 Jan 91 15:38:03 GMT
References: <1991Jan25.140515.17568@lonex.radc.af.mil> <4875@vela.acs.oakland.edu>
Sender: szarekw@lonex.radc.af.mil
Organization: RADC
Lines: 14
Nntp-Posting-Host: lonexc.radc.af.mil

In article <4875@vela.acs.oakland.edu> swood@vela.acs.oakland.edu (Scott Wood - EVENSONG) writes:
>As a continuation of the analogy, and the no-code license. Imagine if you had
>to pass a sexual test before you could have kids. Well, you would have to be
>damn good!!!
>
>swood
>
>--

. . . but just think of how much time you would have to spend practicing.
surely this is a better excuse than ..."Oh pleeease!"

buzz
wm1w

From -8458163558032096307
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bf6d0907f93e4f0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 13:31:02 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!samsung!spool2.mu.edu!uunet!rosevax!scotbri
From: scotbri@rosevax.Rosemount.COM (Scott Brigham)
Newsgroups: rec.ham-radio
Subject: Re: Sex and CW outmoded?
Message-ID: <9637@rosevax.Rosemount.COM>
Date: 28 Jan 91 17:35:52 GMT
References: <1991Jan25.011337.18401@informix.com>
Organization: Rosemount Inc., Eden Prairie, MN
Lines: 16

in article <1991Jan25.011337.18401@informix.com>, randall@informix.com (Randall
Rhea) says:

>
> Perhaps if I were to give up jpole building, stay away from Radio
> Shack, and build a 40m vertical that I would see significant improvement
> in my love life.

I know that my love life has increased dramatically since I put up
my 40m vertical. The gals see that 33 feet of gleaming aluminum
strapped to my chimmney and they're putty in my hands :-)

```
==============================================================================
Scott Brigham  WB0RVK
2106 Wellesley Ave.                When speaking Truth to Power
St. Paul, MN  55105                   don't forget to duck!
==============================================================================
```

From -1191878719297313587
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,507676b3ccd7e01,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 13:32:44 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!samsung!uunet!
tut.cis.ohio-state.edu!ucbvax!UTKVX3.BITNET!BRUCEH
From: BRUCEH@UTKVX3.BITNET
Newsgroups: rec.ham-radio
Subject: GPS receiver
Message-ID: <9101281746.AA25668@ucsd.edu>
Date: 28 Jan 91 17:37:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12

I just saw a GPS receiver for OEM applications. Output is RS232,422 and
several others. It's two boards (3.12"x7.4"x1.14") package. Price is $900
for complete package including receiver and antenna. Company is
Magellan Systems Corp. 260 E. Huntington Dr. Monrovia, CA 91016.
1-818-358-2363. the above is just what i read, i know nothing else about
them.

Bruce Harrison WB4MJG
Univ. of Tennessee at Martin
BRUCEH@UTKVX   (bitnet)

From 7310988267791187020
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d20358612653545a
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1991-01-28 13:51:55 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!spool2.mu.edu!samsung!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: What do I want in a radio?
Message-ID: <28.Jan.91.11:25:51.GMT.#8659@UK.AC.NWL.IA>
Date: 28 Jan 91 11:07:53 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 27

Randall Rhea's points are valid i agree if you are after buying equipment and are not too concerned about keeping it for a long time. However i tend to make major purchases with an eye to keeping it for a long time, and so repairability and spares availability are major concerns to me.
Most of the 'reviews' of equipment do not even attempt to do cost projections over, say, a 25-year lifespan. Most customers are seduced by advertising into buying 'features' that they do not need.
i admit that in many cases the Japanese quality control is rather good, but all the quality-control in the world cannot rectify bad electrical or ergonomic design that seems endemic in certain of the products sold to us hams, for example HT's that suffer terminal desense & intermodulation.
Unfortunately, it is usually true that gimmicks sell more than performance; given the choice between a gimmick and a performance-enhancement i would go for the performance enhancement every time.
How many advertisements do you see that promote the 'bells & whistles' side of a radio (number of memories, digital voice storage) yet fail to even state the shape-factor of the filters or the intercept points of the frontend? Dammit, am i buying a radio or a speech synthesizer?
Put a FT1000 up against a KWM380 (still available new!) and see what you have been missing all these years.
Remember - you cannot judge the dynamic characteristics of anything just looking at it in the showroom. Only living with it for 15 years will reveal the warts in the design; that is, assuming it *lasts* 15 years....

Pete Lucas PJML@UK.AC.NWL.IA G6WBJ@GB7SDN.GBR.EU

From 5953084136921775467
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96ab3a278567d33,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 13:54:13 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!ucsd!ucbvax!agate!shelby!unix!Teknowledge.COM!uw-beaver!zephyr.ens.tek.com!tektronix!reed!glacier!thebox!_johnr
From: johnr@thebox (john rosenbaum)
Newsgroups: rec.ham-radio

Subject: frequency counters
Message-ID: <31kgw2w163w@thebox>
Date: 28 Jan 91 00:39:53 GMT
Sender: _johnr@thebox.uucp
Organization: TheBox - Public Access Unix
Lines: 7

I am looking for a device I can build that will allow me to find out what frequency something is working on. For instance, if I was on 144.25 I would want the counter to be able to tell me that. Is there such a thing or am I just dreaming about nonsense?

Thankyou
John rosenbaum

From -8271533862491904930
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4977167038154dc0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 13:55:49 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!lll-winken!elroy.jpl.nasa.gov!sdd.hp.com!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!STLAWU.BITNET!MROWEN
From: MROWEN@STLAWU.BITNET (Mike Owen W9IP)
Newsgroups: rec.ham-radio
Subject: I bought one!
Message-ID: <9101281354.AA05698@ucsd.edu>
Date: 28 Jan 91 12:43:27 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: SAINT LAWRENCE UNIVERSITY
Lines: 16

In a recent posting, Fred Lloyd gave a nice review of the features of the new TS850. Thanks, Fred!

Two questions:

1) Can you go from USB to CW without retuning? In other words, if you are listening to a USB station and switch to CW, is the USB still intelligible without your having to turn the dial?

2) Is there a separate transverter jack on the back? If so:
   a) how much power does it provide?
   b) is it TX or TX/RX?

Thanks in advance -
Mike

From -2164910707490522754
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,61dc87a4e6d4ffb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 13:57:46 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!magnus.ircc.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!NADC.NADC.NAVY.MIL!skitch
From: skitch@NADC.NADC.NAVY.MIL (M. Squicciarini)
Newsgroups: rec.ham-radio
Subject: Stamps
Message-ID: <9101281404.AA18367@NADC.NADC.NAVY.MIL>
Date: 28 Jan 91 14:04:39 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5

Does anyone know of a source of air mail stamps from foreign (DX)
countries. In particular France, Germany and England.
Thanks in advance.

73 -- marty -- nr3z

From 6395988335412499069
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3ded304748657ab,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 15:50:50 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!emory!samsung!zaphod.mps.ohio-state.edu!ub!uhura.cc.rochester.edu!rochester!pt.cs.cmu.edu!o.gp.cs.cmu.edu!andrew.cmu.edu!paul+
From: paul+@andrew.cmu.edu (Paul J. Dujmich)
Newsgroups: rec.ham-radio
Subject: TS-940S CW CARRIER MOD
Message-ID: <sbd5vRy00UhW820kV0@andrew.cmu.edu>
Date: 28 Jan 91 17:26:53 GMT
Organization: Computing Systems, Carnegie Mellon, Pittsburgh, PA
Lines: 165

I just completed this modification to my TS-940S and I thought I would
post it for others who would like to try it.

\Paul
WA3TLD

CW Carrier Oscillator Modification
for TS-940S Tranciever
January 1991 Paul J. Dujmich

NOTE: This modification improves the function of the VBT variable CW passband control on the TS-940S tranciever when a narrow (500 Hz) CW filter has been installed. After the modification has been performed, the VBT will be usable to the most NARROW counterclockwise position giving a CW narrow bandwidth of aprox. 150 Hz.

Background

The TS940S has 2 carrier oscillators, one for Upper Sideband (adjusted by TC1 on the CAR board), and one for Lower Sideband (adjusted by TC2 on the CAR board). The CW wide and narrow modes use the USB carrier oscillator, and the FSK mode uses the LSB carrier oscillator. TC3 on the CAR board is NOT a cw carrier adjustment. TC3 adjusts the 9285 khz hetrodyne oscillator. When a narrow CW filter (500 hz) is installed in the 940, a problem can sometime arrise. The High IF CW filter is supposed to have it's passband centered at 8830 khz. The low IF CW filter is supposed to be centered at exactly 455.0 khz. The manufacturing tolerance of either CW filter is about +/- 70 hz. Thus, no two cw filters are centered at exactly the same frequency. 70 hz dosen't sound like much of an error, but when you consider that the entire bandwidth with the cw filter switched in is only 500 hz, the error can be as much as 70/500 = 14%.
Thus, in some cases, the cw filter is not exactly centered at 8830 khz for the high IF filter or 455 khz for the low IF filter. To correct for a filter that is not exactly centered, you can adjust the carrier oscillator. The procedure to accomplish this is to tune the crystal calibrator in at 7100 or 14100 khz in NARROW CW mode and adjust TC1, the USB carrier oscillator for maximum S-Meter reading on the calibrator signal. This methos works fine, and exactly centers the narrow cw filter passband, BUT, in adjusting TC1, you detune the USB carrier oscillator for Upper Sideband. In most cases, you won't notice that much difference on USB, but your USB audio will sound slightly on the high side. You are optomizing the USB carrier oscillator for CW at the expense of USB. Since Kenwood didn't include a seperate CW carrier oscillator trimmer on the CAR board, this is about the best you can do without modifying the radio.
A SOLUTION TO THE ABOVE PROBLEM WOULD BE TO ADD A SEPERATE CARRIER OSCILLATOR ADJUSTMENT TRIMMER FOR THE CW MODE ON THE CAR BOARD.

Another problem appears when you try to use VBT with the narrow CW filter installed. When you adjust the VBT (Variable Bandpass Tuning), you are really changing the frequency of the USB carrier oscillator (CAR 1), and the hetrodyne oscillator, 9285 khz, (CAR 2). By changing these two hetrodyneoscillators, relative to the 455 khz passband, the net bandwidth is narrowed.
Actually, all oscillator frequencies in the radio are varried when you vary the VBT control, except the master 20 Mhz oscillator. The CAR 1 and CAR 2 signals are changed by the master CPU, a Z80 microprocessor. When you vary the VBT control, the Z80 CPU changes the amount of frequency division that can occur in IC1 and IC2, the two carrier oscillator Phase Locked Loops on the CAR board. If the narrow CW filter is not centered in the 8830 khz or 455 khz passband, the Z80 will move the carrier oscillator signal to the wrong place within the passband. You can tell if this is happening by turning the VBT control to maximum counter-clockwise while in NARROW CW mode. If the received signal drops considerably down in strength at this VBT position, then the carrier oscillator is not properly placed.

Another contributing factor is the rate of change of the CAR1 and CAR 2 signals. It seems that when the CPU changes the amount of frequency division on the IC1 and IC2 PLL'S, the high frequency oscillator (9285 khz), changes at a much faster rate than the low frequency oscillator (455 khz) does. Thus when you adjust the VBT to the most narrow position, the 9285 khz oscillator has moved too much, relative to the 455 khz oscillator.
This rate of change problem with the two oscillators cannot be fixed with a simple modification. However, the rate of change problem can be improved considerably if a seperate CW carrier oscillator trimmer adjustment is added to the carrier oscillator circuit board (CAR board).

MAKING THE MODIFICATION

Add the following circuit to the CAR circuit board. You will be adding a small trimmer capacitor that will serve as the CW carrier oscillator adjustment. It will be necessary to drill a 1/4 inch hole in the CAR board metal shield for access to the trimmer capacitor.

(1) Add this circuit to CAR Board

```
                                         1 K         120 uH
 To CWB  <-----------------------------\/\/\/\/-----OOOOOOOO-----
 Connect to jumper     |          |                   RFC       |
 W102 on IF board      |          |                             |   1N914
                      ___ .01 uF  \                             |---->|-----
NOTE: CWB = 12 V      ___         / 47K                         |  Diode   |
      in CW Mode       |          \                    2-30 pf  |          |
      CWB = 0V in      |           |                  Trimmer  ___ ^       |
      all other        GND         GND                 Cap     ___ |       |
      modes.                                     (CW Carrier    |  |       |
                                                  Adjust)       |          |
                                                                |          |
                                                                GND        |
                                                                           |
                                                                           |
                                                               <-----------|
                                                            To Cathode of
                                                            D1 on CAR
                                                            Board
```

This Circuit permits seperate adjustment of the carrier oscillator in CW mode, seperate from the USB and LSB adjustments.

(2) Capacitor change on CAR Circuit Board.
Replace C5 (a 10 pf disc ceramic capacitor) with a 5 pf disc ceramic capacitor. This change compensates for the capacitance of the 1N914 diode that was added in step 1 above.

(3) Control Modification On IF Circuit Board.
Modify D109 on IF board by cutting the cathode lead as shown in the diagram below. Add two new 1N914 diodes and connect them as per the diagram.

```
 ------------------------------------------------------------> To USB Carrier
 |              |          |                                    Enable
 | Add new      |          |                                    (No change
 - Diode        -  Add     |<--- Cut this lead                  Necessary)
 ^ 1N914        ^  new     -     of D109
 |              | diode    ^
 |              |          |-----> (CWB OR FMB)
 |              |          -       No change necessary
 |              |          ^
 |              |----------|
 |                         |
 |                         ----> AMB (No change necessary)
 |
 |
 |--------> To Anode of D101 (FMB)
```

(4) ADJUSTMENT (Adjust the following trimmers on CAR board)

Set mode to USB, CW Wide/Narrow to Wide, VBT fully CW
Adjust TC3 to 9285 KHZ as per Kenwood specs.

Adjust TC1 to 453.5 KHZ in USB mode as per Kenwood Service Manual specs.
Adjust TC2 to 456.5 KHZ in LSB mode as per Kenwood Service Manual specs.

Set CW Wide/Narrow to Narrow, set VBT fully CCW to most narrow position. Turn on the crystal calibrator, and tune the main tuning knob to 7.100.00 Adjust the new added trimmer capacitor (CW carrier adjust) for maximum calibrator signal on the S-Meter. This centers the carrier in the middle of the 455 KHZ passband with VBT in it's most narrow position.

After I made the modification, the VBT was usable to about 9 O-clock in the CW wide mode, and it was usable to maximum CCW (most narrow position) in CW Narrow mode. VBT performance on AM, FM and FSK will be unchanged, since these modes use the LSB and USB carrier oscillators. The performance on USB and LSB will be exactly as per Kenwood Service manual specs. CW bandwidth will be adjustable from 2.7 KHZ to 150 Hz.

Paul Dujmich
WA3TLD
pauld@fs1.ece.cmu.edu

From -9067434317440346192
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca75ee73db6d8af7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 15:53:52 PST

Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!rpi!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: Digital Readouts for analog receivers
Message-ID: <16148@crdgw1.crd.ge.com>
Date: 28 Jan 91 14:42:39 GMT
References: <CMM.0.90.2.664926020.rdixon@magnus.acs.ohio-state.edu>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 40
In-reply-to: Bob_Dixon@osu.edu

In article <CMM.0.90.2.664926020.rdixon@magnus.acs.ohio-state.edu>, Bob_Dixon@osu writes:
>I question the accuracy of the external add-on digital readouts available
>on the market. Although they may display many digits, they cannot be
>accurate unless they measure the frequency of ALL oscillators within
>the receiver, and then combine them to calculate the received frequency.

>If they just measure the variable oscillator and assume that the crystal-
>controlled oscillators are on frequency, they can be off by several khz.
>Of course one may be able to "adjust" the readout to compensate for this,

Having those oscillators on frequency would be necessary. putting them on
to within a hundred hz shouldn't be a big deal.

>A related problem for ALL digital displays is what does the displayed
>frequency really mean for a cw signal? Is it correct when the beat note is
>tuned to zero?

> If so, its not very useful since you can't hear the signal
>then. To be correct, it should take into account the bfo frequency and
>the center frequency of the filter being used. Do any displays do that?

This can get rather ambiguous. A receiver may have a variable BFO, or it
may have adjustable filters. I would say that if the BFO is tuned to
the IF, and the filters are centered on the IF, and the CW signal is
zero-beat, then you are tuned to the frequency of the CW signal.

On transmitters you can have the problem where CW is generated as a tone
which is fed to a single-sideband transmitter. The actual transmitted
signal is then about 1 khz off of the displayed frequency. The manual
should tell you how much and which direction.

>Since most receivers with digital displays do not have crystal calibrators,
>there is no simple way to answer this question without an external
>signal source of known frequency.

Try WWV.

-don perley - ke2tp
perley@trub.crd.ge.com

From 4785381819414342689
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bf6d0907f93e4f0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 15:57:45 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!emory!ducvax.auburn.edu!eng.auburn.edu!bh
From: bh@eng.auburn.edu (Brian Hartsfield)
Newsgroups: rec.ham-radio
Subject: License
Message-ID: <bh.910128121540@lab15.eng.auburn.edu>
Date: 28 Jan 91 18:15:40 GMT
References: <1991Jan25.011337.18401@informix.com> <9637@rosevax.Rosemount.COM>
Organization: Auburn University Engineering
Lines: 9
Nntp-Posting-Host: lab15.eng.auburn.edu

I want to get my Ham Radio license and I would like a good morse code progra and (if one of available) a program to test me on the theory questions. I am planning on trying for Technician class. Any assistance in locating shareward/PD versions of programs like I listed above would be appreciated. Please e-mail responses since I don't read this list on a regual basis.

Brian Hartsfield
bh@eng.auburn.edu

From 2842063721375334599
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f90dc4e412e1aa1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5d40,9f90dc4e412e1aa1
X-Google-Attributes: gidf5d40,public
X-Google-Thread: fb9af,9f90dc4e412e1aa1
X-Google-Attributes: gidfb9af,public
X-Google-Thread: 114aac,9f90dc4e412e1aa1
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10f3ae,9f90dc4e412e1aa1
X-Google-Attributes: gid10f3ae,public
X-Google-ArrivalTime: 1991-01-28 17:24:27 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!spool2.mu.edu!uunet!munnari.oz.au!metro!cluster!karl!raf
From: raf@karl.cs.su.OZ.AU (A Stainless Steel Rat)
Newsgroups: alt.conspiracy,alt.folklore.urban,rec.radio.shortwave,rec.ham-radio,talk.rumors
Subject: Re: Radio Signals from Space?!?
Message-ID: <1916@cluster.cs.su.oz.au>
Date: 27 Jan 91 05:58:27 GMT

References: <1290@pdxgate.UUCP>
Sender: news@cluster.cs.su.oz.au
Reply-To: raf@basser.cs.su.OZ.AU (A Stainless Steel Rat)
Organization: Basser Dept of Computer Science, University of Sydney, Australia
Lines: 74
Xref: gmdzi alt.conspiracy:2754 alt.folklore.urban:7277 rec.radio.shortwave:3913
rec.ham-radio:19941 talk.rumors:148

In article <1290@pdxgate.UUCP> jprice@jove.cs.pdx.edu (James Price) writes:

>   After reading the Illuminati trilogy (Wilson, Shea) I ran across a
>book called "The Illuminoids" by Neal Wilgus.

>the first 150 pages are commentary, the next hundred or so on a chronology,
>ending with addresses/bib

>p.206 1950 - ..."Alleged CIA plot to introduce UFO contact ideas with
>   "Little Green Men" stories and radio contact from space"...

[other UFO stuff deleted]

I've been ripped off. I've got a copy of the Illuminoids by this guy but this
edition has only got 189 pages. I think it's a conspiracy :)

Seriously, judging from the table of contents and the blurb on the back, it
doesn't seem to have anything to do with aliens (I haven't read it yet).

The blurb on the back of the book is as follows:

On the first day of May, 1776, Adam Weishaupt
founde his legendary Order of the Illuminati.
The dark underside of the Age of Enlightenment had
given identity to a tradition dating back to the dawn of
civilisation.

Was Graud, ruler in mythical Atlantis, the first
Illuminatus? [Sounds good to me :]

Were the great modern conflicts - from Flanders
trenches to Mao's revoluion - prompted by Illuminoid
conspiracy?

Leon Trotsky, Robert Kennedy, President Garfield...
were they victims of assassins primed by the Illuminati?

Are Robespierre and Lee Harvy Oswald linked by a
developing brain-control technology that will produce
a real-life 1984? [This sounds even better! Bene Gesserit move over!]

Neal Wilgus traces the bizarre and chilling history of
the Illuminated and their recurrent influence on the
loing march of civilised man towards the twenty-first
century...

It seems that the Illuminati are more concerned with political power and conspiracies than UFOs.

>I have heard claims of "censored" xmission by astronauts in which they
>supposedly speak about UFOs they see. (Can't bring myself to believe
>the story about "There is a Santa Claus" to be a codeword for UFOs)

The only thing like this that I've ever heard about is a tale about astronauts seeing very large machinery parts on the moon and saying something like "What the hell's that?" before being cut off. My brother's has a book about it saying that NASA has photos of these huge screws and things lying around on the moon.

It sounds like a great UL to me. I mean, how would anyone know about it if NASA didn't want them to? I'd better read the book. Has anyone else heard this?

raf

```
--
Robert A Fabian                       |      Facts, facts, facts.
raf@basser.cs.su.oz.au                | That's all you ever think about.
Basser Department of Computer Science |         - Brian's mother (not really)
University of Sydney                  |
```

```
From 2764308018537424976
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a26becbe65edaa23,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 18:39:58 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!samsung!rex!uflorida!
ALEG8R@MAPLE.CIRCA.UFL.EDU
From: aleg8r@oak.circa.ufl.edu
Newsgroups: rec.ham-radio
Subject: Yaesu FT-470 Mods
Message-ID: <00943644.1EB791C0@MAPLE.CIRCA.UFL.EDU>
Date: 28 Jan 91 21:17:55 GMT
Sender: news@uflorida.cis.ufl.EDU
Reply-To: aleg8r@oak.circa.ufl.edu
Organization: University of Florida CIRCA VAX Cluster
Lines: 14
```

Helly Everyone.... I am looking for some further help on the modifications that I made to my FT-470. Recently a gentlemen posted some mods for the 470 that worked just as they said they would. Actually I only tried the one mod for extending the receive capability on the UHF band of the radio. The radio now receives from 430-500 MHz just as the mod said, but it also only transmits from 430-440 Mhz, also what the mod says. I am looking for more information on how I might be able to regain my transmit ability from 440-450 Mhz. If the person who originally posted the mod (Peter G6ZYT) or anyone else can help with this please reply! I know that peter had a European version of the radio to begin with, so he didn't lose anything when he made the mod to receive up to 500 Mhz on UHF since 430-440 is the European limit.

73's and thanks in advance! Please either send replys to me or just post on the net! JON KC4NWK

From -7103213356307908989
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f90dc4e412e1aa1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9f90dc4e412e1aa1
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10f3ae,9f90dc4e412e1aa1
X-Google-Attributes: gid10f3ae,public
X-Google-Thread: f5d40,9f90dc4e412e1aa1
X-Google-Attributes: gidf5d40,public
X-Google-Thread: fb9af,9f90dc4e412e1aa1
X-Google-Attributes: gidfb9af,public
X-Google-ArrivalTime: 1991-01-28 18:41:09 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!bellcore!porthos!cellar!martin
From: martin@cellar.uucp (Martin Harriss (ACP))
Newsgroups: alt.conspiracy,alt.folklore.urban,rec.radio.shortwave,rec.ham-radio,talk.rumors
Subject: Re: Radio Signals from Space?!?
Keywords: radio shortwave ham space signals astronauts Tesla
Message-ID: <1991Jan28.211244.7808@porthos.cc.bellcore.com>
Date: 28 Jan 91 21:12:44 GMT
References: <1290@pdxgate.UUCP>
Sender: @porthos.cc.bellcore.com
Reply-To: martin@cellar.UUCP (Martin Harriss (ACP))
Organization: Bellcore
Lines: 18
Xref: gmdzi alt.conspiracy:2756 alt.folklore.urban:7284 rec.radio.shortwave:3915 rec.ham-radio:19943 talk.rumors:149

In article <1290@pdxgate.UUCP> jprice@jove.cs.pdx.edu (James Price) writes:
>From a book titled "Modern Mysteries of Britian" comes a one page story
>concerning a 1977 (?) mysterious interruption of Southern TV's signal
>by an alleged space voice that warned of war for about five and one half
>minutes. The officials claimed it a "hoax" although there are many
>safeguards to prevent such things.

Yes, I remember this. I was still living in the UK at the time. It seems that some clever sod got hold of some surplus microwave equipment and drove up close to some microwave relay tower. He managed to get enough signal into the receiver to more or less overpower the legitimate signal. As you mention, it only lasted a few minutes.

I think he called himself "Gallon the Galactic." I also think he was later caught and prosecuted. Probably made all the broadcasters think long and hard about their security!

Martin Harriss jb2jyz
martin@cellar.bae.bellcore.com

From -3167887526717185479
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f90dc4e412e1aa1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9f90dc4e412e1aa1
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10f3ae,9f90dc4e412e1aa1
X-Google-Attributes: gid10f3ae,public
X-Google-Thread: fb9af,9f90dc4e412e1aa1
X-Google-Attributes: gidfb9af,public
X-Google-Thread: f5d40,9f90dc4e412e1aa1
X-Google-Attributes: gidf5d40,public
X-Google-ArrivalTime: 1991-01-28 18:41:28 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!bellcore!porthos!cellar!martin
From: martin@cellar.uucp (Martin Harriss (ACP))
Newsgroups: alt.conspiracy,alt.folklore.urban,rec.radio.shortwave,rec.ham-radio,talk.rumors
Subject: Re: Radio Signals from Space?!?
Keywords: radio shortwave ham space signals astronauts Tesla
Message-ID: <1991Jan28.211344.7866@porthos.cc.bellcore.com>
Date: 28 Jan 91 21:13:44 GMT
References: <1290@pdxgate.UUCP>
Sender: @porthos.cc.bellcore.com
Reply-To: martin@cellar.UUCP (Martin Harriss (ACP))
Organization: Bellcore
Lines: 18
Xref: gmdzi alt.conspiracy:2757 alt.folklore.urban:7285 rec.radio.shortwave:3916 rec.ham-radio:19944 talk.rumors:150

In article <1290@pdxgate.UUCP> jprice@jove.cs.pdx.edu (James Price) writes:
>From a book titled "Modern Mysteries of Britian" comes a one page story
>concerning a 1977 (?) mysterious interruption of Southern TV's signal
>by an alleged space voice that warned of war for about five and one half
>minutes. The officials claimed it a "hoax" although there are many
>safeguards to prevent such things.
Yes, I remember this. I was still living in the UK at the time. It seems that some clever sod got hold of some surplus microwave equipment and drove up close to some microwave relay tower. He managed to get enough signal into the receiver to more or less overpower the legitimate signal. As you mention, it only lasted a few minutes.

I think he called himself "Gallon the Galactic." I also think he was later caught and prosecuted. Probably made all the broadcasters think long and hard about their security!

Martin Harriss kb2jyz
martin@cellar.bae.bellcore.com

From 6957469145222825413
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,213adfcec3c2dbeb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 18:59:28 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!lll-winken!uunet!zephyr.ens.tek.com!tektronix!sequent!edw
From: edw@sequent.UUCP (Ed Wright)
Newsgroups: rec.ham-radio
Subject: Re: Numbers lady on 30 meters
Message-ID: <51726@sequent.UUCP>
Date: 28 Jan 91 20:40:34 GMT
References: <98034@aerospace.AERO.ORG> <38441@cup.portal.com> <51595@sequent.UUCP> <21914@duke.cs.duke.edu>
Reply-To: edw@sequent.UUCP (Ed Wright)
Organization: Orygun Society For HUman Rustabillity Assessment
Lines: 67

In article <21914@duke.cs.duke.edu> klg@george.mc.duke.edu (Kim Greer -- rjj) writes:
%In article <51595@sequent.UUCP> edw@sequent.UUCP (Ed Wright) writes:
%> Some have been tracked to .....[places deleted]
%
%>It would not be so hard for folks to post an rdf azimuth and their
%>location to the net , and then after a few postings we could all
%>sort out where the numbers folks are.
%>Ahhh the power of the net.
%>Ed
%>KA9AHQ
%
% Sounds like a fun idea. What it would require though is a fairly
%directional antenna. (or is that really true? could you just use a
%kinda-non-directional antenna and rotate it until the signal is nulled?)
%What do you recommend for the "average" swl'er who would like to try this?
%The signal strengths of many of these stations that I've noted are
%reasonably high, so would a short (maybe 5-10 ft) rotatable dipole or
%"long"wire be a good choice? Please post some suggestions as to antenna and
%methods.

If we could only take a couple of readings we would need some fancy
antennas (Mommy can I have a Wullen Weber Array for Christmas?).
But if all we are after is "a city" and we can take many readings
then magic is not required.
A 10' dipole would no doubt do the trick.
A quick and dirty would be

```
 5' Antenna Mast           ---------                  5' antenna mast
```

```
---------------------------|       |------------------------------
                           ---| |---\
                              | |    \__PVC Plumbing Tee Connector
                               |
                                Some kind of mast
```

I kind of like antenna mast, the diameter is big enough to give fairly low
Q which considering the other atributes of this antenna is a plus.
10' section would probablt be better but PVC can only hold so much.

Just swing it till it nulls, and the pipe points to the source or
180 away. Mox Nix.

Once in a fit of desperation I mounted a short whip in a trash can.
AAARRRGGGHHHH but it worked, sort of.

I have used my TV antenna w/ rotor, Ugly but better than nothing,
I wont say how much.

To obtain your own location, go to a map store, or nautical chart store
(if you are coastal) or to the local (small) airport and look.
National Geodetic survey maps are cheap and good. RAn McNAlly used to
give lat and long over the phone based on a desvcription such as
200 feet east on 3rd ave from the intersection of 3rd and James,
The fifth house. I dont know if they still do, or if they charge.
Or you can buy a sextant.... never mind :-)
Frankly for net posting something like
"In St Louis MO, 2 miles SSE from the interestion of HWYS 24 and 32"
would be more than adequate.

I hope thats food for thought.
Ed
KA9AHQ
--
 I think I've got the hang of it now .... :w :q :wq :wq! ^d X exit
 X Q :quitbye CtrlAltDel   ~~q :~q logout save/quit :!QUIT ^[zz
 ^[ZZ ZZZZ ^H ^@ ^L ^[c ^# ^E ^X ^I ^T ? help helpquit ^D ^d
 ^C ^c helpexit ?Quit ?q decwrl or uunet or tek !sequent!edw

```
From -6446659087512548034
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f90dc4e412e1aa1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9f90dc4e412e1aa1
X-Google-Attributes: gid114aac,public
X-Google-Thread: fb9af,9f90dc4e412e1aa1
X-Google-Attributes: gidfb9af,public
X-Google-Thread: f5d40,9f90dc4e412e1aa1
X-Google-Attributes: gidf5d40,public
X-Google-Thread: 10f3ae,9f90dc4e412e1aa1
X-Google-Attributes: gid10f3ae,public
X-Google-ArrivalTime: 1991-01-28 19:10:13 PST
```

Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!cs.utexas.edu!titan!moseley
From: moseley@titan.tsd.arlut.utexas.edu (Austin Moseley)
Newsgroups: alt.conspiracy,alt.folklore.urban,rec.radio.shortwave,rec.ham-radio,talk.rumors
Subject: Re: Radio Signals from Space?!?
Message-ID: <2262@titan.tsd.arlut.utexas.edu>
Date: 28 Jan 91 23:20:52 GMT
References: <1290@pdxgate.UUCP> <1916@cluster.cs.su.oz.au>
Reply-To: moseley@titan.titan.tsd.arlut.utexas.edu (Austin Moseley)
Organization: Applied Research Labs, University of Texas at Austin
Lines: 13
Xref: gmdzi alt.conspiracy:2759 alt.folklore.urban:7293 rec.radio.shortwave:3921 rec.ham-radio:19948 talk.rumors:151

In reference to the giant screws, I think they belong to a
a giant Del-Monte processing factory that blew up in the 50's, back when they
were making the first Broccoli 'n Cheese Sauce Boil in-bag units on the moon.
I wondder if anyone else in Net-Land has heard of this?
Sure would help explain the little-green men stories.

But, how do we explain the keebler elves?

Sincerely,

A.

From -3809674760010616848
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,213adfcec3c2dbeb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 22:24:55 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Re: Numbers lady on 30 meters
Message-ID: <9101282217.AA10830@tilde>
Date: 28 Jan 91 22:17:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 23

klg@george.mc.duke.edu (Kim Greer -- rjj) asks:

>What it would require though is a fairly directional antenna. (or is that
>really true? could you just use a kinda-non-directional antenna and rotate
>it until the signal is nulled?)

How "kinda-non-directional" we talking about? If you rotate an antenna to find a null, this "sorta" means that it's gotta be directional. The more the better, else the null gets really broad. Say you have as little as a ten-degree azimuth for your null. This translates to a possible directional error of 10 miles for each 60 miles you are from the transmitter. If it is 3000 miles away, your null could include a station anywhere on a 300-mile long arc. A bi-directional antenna would find the null at two places, 180 degrees apart, so the station might be on either of the two 300-mile long arcs.

Now, if a large number of stations DF a transmitter, and someone with patience *accurately* plots all the LOP's, eventually one could maybe get the area "pinpointed". Without extremely accurate nulls and bearing information, finding the exact location of a transmitter from any distance away is awfully hard to do.

73,
Dube   N5PDK

From -5457366379127030117
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c5fbfd163aa743cf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 22:24:58 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: New License Structure
Message-ID: <9101282235.AA11760@tilde>
Date: 28 Jan 91 22:35:51 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 48

From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)

<koning@koning.enet.dec.com (Paul Koning)> writes:

>So in other words, Jim is right. A Novice license proves you passed 1A,
>and will continue to do so after 2/14.

And phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)> replies:

>Yes, a Novice license does indeed prove the holder passed 1A. However the
>rub is that the new rules in effect Feb 14, don't ask for ANY proof, they
>SPECIFICALLY ask for that proof in the form of a CSCE. THIS is the problem!

Seems to me that the sensible way to do it is to couch it in terms of exam elements required. Then it would make no difference whether the 1A element were passed at a "two-generals" session or at a VE session. And it would eliminate the arguments surrounding the CSCE issue. As always, credit for previous elements passed would be reflected by the type of license held at the time the exams were taken.

No License to Novice 1A 2A	No License to Tech 2A 3A (no HF)	No L. to General 1A 1B 2A 3A 3B
	Novice to Tech+HF 3A	Novice to General 1B 3A 3B
(Note that Novice does not go to a "codeless" Tech)	Tech to Tech+HF 1A	Tech to General 1A 1B 3B
		Tech+HF to General 1B 3B

What could be simpler? Or is it that simplicity doesn't play well with today's Hams?

The real problem, and the one I posted just after the new structure was announced, is: How you gonna tell the Techs from the "Tech+HFs" without some kind of call sign differentiation? Some have complained that this will result in on-the-air discrimination, and I'm sure that some of that will occur. But it's not JUST a matter of on-the-air discrimination. It's an administrative problem that must be dealt with, and this thread has properly identified it. THE FCC and ARRL ought to fix their mess.

73,
Dube N5PDK

From 6783434258999583994
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,22b326962d6709c2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 22:37:32 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: sex and cw
Message-ID: <7880428@hpfcdc.HP.COM>
Date: 28 Jan 91 21:13:46 GMT
References: <1991Jan25.140515.17568@lonex.radc.af.mil>
Organization: HP Fort Collins, Co.
Lines: 9

>Inevitably the lure of sending effortless code with a beautiful chrome Bencher
>key will seize the poor sucker by the throat and a new addict to the outmoded
>mode will be born....B-) B-) B-)
>
> AA6PN

Beware the Dark Side of the Force, Luke.

KF0CA

From 2588713201095381903
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96ab3a278567d33
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 22:40:06 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!spool2.mu.edu!samsung!xylogics!bu.edu!bass.bu.edu!ardai
From: ardai@bass.bu.edu (Michael Ardai)
Newsgroups: rec.ham-radio
Subject: Re: frequency counters
Message-ID: <73310@bu.edu.bu.edu>
Date: 29 Jan 91 04:38:23 GMT
References: <31kgw2w163w@thebox>
Sender: news@bu.edu.bu.edu
Organization: Boston University
Lines: 16

In article <31kgw2w163w@thebox> johnr@thebox (john rosenbaum) writes:
-I am looking for a device I can build that will allow me to find out what
-frequency something is working on. For instance, if I was on 144.25 I would
-want the counter to be able to tell me that. Is there such a thing or am I
-just dreaming about nonsense?

Sure. It is a frequency counter. I built one (the Optoelectronics kit), and have used it to find out various HT frequencies (AMTRAK, etc.) All I did was connect a duck to the input and stand within 10-15 feet of the transmitter. What would be nice would be to have a counter as part of a scanner, to save having to carry 2 boxes and entering the freq from one to the other.

```
--
\|/ Michael L. Ardai     ardai@bu-pub.bu.edu   ...!sun!teda!ardai (preferred)
--- ----------------------------------------------------------------------
/|\ Teradyne EDA East    (617) 254-3420
```

From 2889228055219139105
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,922e5441b3b9fb60
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 22:45:22 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!spool2.mu.edu!samsung!cs.utexas.edu!uunet!n3dmc!wa1lbp
From: wa1lbp@n3dmc.svr.md.us (David Cowhig)
Newsgroups: rec.ham-radio
Subject: Re: New Icom Handheld
Message-ID: <1991Jan29.003931.2594@n3dmc.svr.md.us>
Date: 29 Jan 91 00:39:31 GMT

References: <paul.5142@wa1omm.UUCP>
Organization: N3DMC, Silver Spring, Maryland
Lines: 28

paul@wa1omm.UUCP (Paul MacDonald) writes:

>I heard a rumor that Icom is advertising a new dual-band handheld in
>Japan called the IC-W2. From the *sketchy* information I have it is a
>144/440 transceiver similar to the 24AT but with true dual-band
>performance similar to the TH-77A. Also, a wide-band receiver similar to
>the IC-R1. Anyone out there with more info?

The advertisement for the Icom IC-W2 dual band handie on p. 25 - 27 of the December 1990 issue of CQ Ham Radio [Japan] states that the ultra-slim W2 receives simultaneously on two bands (144/430) [Japanese version of course] weighs 450 grams and occupies 170 cubic cm. Features include programmable and memory scanning, 66 channel memory, clock/timer, large LCD display pager/code squelch, and dual band design which makes it possible to use these features independently on both bands. The price is 62,800 yen excluding VAT tax in Japan. The power level is selected in four steps up to a maximum of 5 watts.

A small 6 meter handie, the IC-alpha 6, costs 19,800 yen.

The ad pictures the handie with playing cards which are only slightly shorter than the IC-W2. Unlike the recent ads for Kenwood and Standard, no lovely YL joyously using the radio. Perhaps Icom concentrates on making radios.

David Cowhig WA1LBP
WA1LBP@N3DMC.SVR.MD.US
PKT: WA1LBP@N4QQ.MD.USA

From -544878126572345504
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,57fa69abae2ecf87,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 22:47:32 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!spool2.mu.edu!sdd.hp.com!elroy.jpl.nasa.gov!lll-winken!sun-barr!newstop!grapevine!west!L1-A.West.Sun.COM!flloyd
From: flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242)
Newsgroups: rec.ham-radio
Subject: TS-850S Q&A Summary (was: I Bought It!)
Message-ID: <1354@west.West.Sun.COM>
Date: 28 Jan 91 18:24:01 GMT
Sender: news@west.West.Sun.COM
Organization: Sun Microsystems, Mt. View, Ca.
Lines: 129

As a followup, here are some questions that I've received about my article:

>> From: Wayne Cronin wmc@phx.mcd.mot.com
>
> Does the $1629 include your trade allowance?
> Does it include the extra filters you mention below?
> I assume you got this at HRO in Phoenix. Did you price it elsewhere?
> (I'm thinking about sales tax!)

$1629 is the current price being offered by HRO. No, I did not price it elsewhere (AES). The filters were another $200 which did bring the price up to $1800+. To be honest, with tax and everything the price was about $1950. I quoted $1629 because it was the dealer base price - which is (as usual), below the manufacturer's "list" price.

> So is the 1488/1489 all you get with the Kenwood computer interface option?

Yep. But it's packaged with connectors in a little interface box. (I haven't actually seen or used it.)

> Interesting. The ads just say 100 memories, not 100 per band. I'm surprised
> they don't mention that.

I should have stated it differently. There are 100 main memory channels. There is also band memory which returns you to the last VFO setting you used on each band. These are sometimes referred to as "band stacking" registers.

> How low can you go with the power?

On CW the lower limit is down around 10 watts or so. I don't know why it does not allow full 0-100 range. There are different low limits for each of the modes (I dont recall them, however).

>>   - Automatic Tuner with band memory
>
> Is this part of the standard radio?

It can be ordered without the auto tuner. The $1629 price includes the tuner. Subtract around $200 to order without the tuner.

>>   - 32 adjustable function setup procedure
>
> What sort of things does this procedure control?

Well, it's a long list, but some of the options are: UP/DOWN switch frequency step size, CW weighting options, transverter display options, RIT/XIT frequency range, Scan Hold option control, beep tone control for mode change beeps, FSK frequency shift amount, master/slave mode enable (for two 850's connected), PL tone selection, auto memory channel increment on store, etc.

>>   - Display can indicate transverter frequencies (144/220/450)
>>   This will be very nice, as soon as the transverters are

>>   available.
>
> Are they planned?

No info on this. Presumably existing transverters from other sources can be used. The IF OUT jack on the back can be set (using an internal jumper change) to provide RF DRIVE OUT for transverter operations.

>>   - DVR (option) stores cw and voice messages (3)
>>   I didn't buy the DVR but am thinking about it. There are 3 record
>>   and play buttons on the front panel for operating it.
>
> How many seconds of voice does it give you?
> Do you have the price for this option?

As I recall it's two 8 second messages and one 16 second message for a total of 32 seconds of message storage in 3 partitions. Cost is high, $200.

>
>>   - Comes with separate remote programming manual
>>   A nice manual covering all of the functions available on the
>>   serial control port.
>
> Tried it yet?

No, havent tried it but it looks straightforward (simple rs-232 commands).

>>   - Dual cascaded selectable IF filters (as with TS-950)
>>   Filtering is very good with this arrangement and I plopped down
>>   the extra $200 to get the pair of 500hz filters (I work a lot
>>   of much damned CW mode).
>
> Any reason you didn't go for the narrower ones?

There's only one other CW filter, the 270 HZ for the 8.33 mhz IF. I don't think its necessary especially in light of the fact that the 500 hz is further reducable using the slope tuning control. There's also a 1.8 Khz filter for SSB, but it must be plugged into the 270 hz board slot (kinda strange :). I had one of the 1.8 khz filters in my TS-440 and didn't use it at all. Again, since you can reduce the bandwith using the slope tuning control, I feel that the 1.8 khz is a waste of money. Also note that the 2.7 khz filters which come standard with the rig provide 2.4 khz of bandwidth when cascaded.

>>   - It comes with a microphone (same mic as the 440).
> Is this a desk or hand mic?

This is a simple hand mic with a pair of up/down buttons on it.

>>Also note that the 850 operates on 12 Volts!. The companion PS-52
>
> Current draw at full power?

```
Rated at 20 amps as I recall.

>
>>I only took the bottom cover off to install the filters but inside I saw
>
> Do the filters just plug in, or do they need to be soldered?

Yes, they plug in, they're the same filters as used in the TS-950
and TS-940.  Very easy to install.

------------------------------------------------------------

Next, I'll post a followup article on my first full weekend of operating.

-fred

--
| Fred Lloyd  AA7BQ                        Fred.Lloyd@West.sun.com |
| Sun Microsystems, Inc.                              ...sun!flloyd |
| Phoenix, AZ       (reality -- what a concept!)    (602) 275-4242 |


From -873279983596138864
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,547736a6b707cf49
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 22:47:46 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!
caen!sdd.hp.com!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Derek Wills)
Newsgroups: rec.ham-radio
Subject: ham calls on CB
Keywords: eek
Message-ID: <43353@ut-emx.uucp>
Date: 29 Jan 91 02:02:35 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 29

henryb@hpspdra.HP.COM (Henry Black KK6JR, G4NOC) replies to:

>oo7@ut-emx.uucp (Derek Wills (AA5BT, G3NMX, good buddy)) writes:
>>   Would you mind a CBer using *your* callsign?  This could be fun, can I be
>> 9N1MM?   Can you identify using the call of a commercial radio station too?

>A ham call sign identifies the station, not the operator.

Is that true?  If you're a guest op you can use your own call from another
station, can't you? (I hope so, I've been doing it for more than 3 yrs now).
The call identifies the op in this case.  But we digress...

>In short using a ham call this way is needlessly risky.
>Why not use (for example) "Derek" as a CB handle ?
```

Oh gasp, I wasn't actually suggesting that I wanted to *do* this thing.
Far be it for me, an elitist know-coder etc..... I was just interested
in the possibilities - "needlessly risky" isn't the same thing as "illegal".
Could I actually get on CB and identify as G4NOC, for example? I don't
know - and I have to admit that I don't really care that much since things
haven't got so bad here that I am seriously contemplating doing it. From
what I've read on this net, far worse things happen on CB than this, and
nobody is about to do anything about them.

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu

```
From 8989675851327752154
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f90dc4e412e1aa1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9f90dc4e412e1aa1
X-Google-Attributes: gid114aac,public
X-Google-Thread: fb9af,9f90dc4e412e1aa1
X-Google-Attributes: gidfb9af,public
X-Google-Thread: f5d40,9f90dc4e412e1aa1
X-Google-Attributes: gidf5d40,public
X-Google-Thread: 10f3ae,9f90dc4e412e1aa1
X-Google-Attributes: gid10f3ae,public
X-Google-ArrivalTime: 1991-01-28 22:49:40 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!
samsung!emory!ducvax.auburn.edu!eng.auburn.edu!bh
From: bh@eng.auburn.edu (Brian Hartsfield)
Newsgroups: alt.conspiracy,alt.folklore.urban,rec.radio.shortwave,rec.ham-
radio,talk.rumors
Subject: Hamfests in AL and surrounding area
Message-ID: <bh.910128154528@lab5.eng.auburn.edu>
Date: 28 Jan 91 21:45:28 GMT
References: <1290@pdxgate.UUCP> <1916@cluster.cs.su.oz.au>
Organization: Auburn University Engineering
Lines: 7
Xref: gmdzi alt.conspiracy:2763 alt.folklore.urban:7305 rec.radio.shortwave:3926
rec.ham-radio:19956 talk.rumors:152
Nntp-Posting-Host: lab5.eng.auburn.edu
```

I like in Auburn, AL and would like to know about any hamfests in the near area
(within a 3 or 4 hour drive from here). Thanks in advance.

Brian Hartsfiel
bh@eng.auburn.edu

```
From -4225722719332116847
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc7e338786373d8d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 22:53:40 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!
samsung!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Derek Wills)
Newsgroups: rec.ham-radio
Subject: Guest operating
Keywords: just wondering
Message-ID: <43355@ut-emx.uucp>
Date: 29 Jan 91 02:15:31 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 30
```

Mentioning guest operating in the previous post - does anyone know what the rules really are? Suppose I go on the first expedition to Albania in nearly 20 yrs, and work 50,000 hams around the world (all on CW, of course). Is there any way in which I can get credit for a QSO with ZA? (for the easily-excitable, I'm not actually thinking of doing this, OK?).

Logic says no, you can't have a QSO with Albania using your US call if you are in Tirana at the time. But I have also heard that you can "lend" your home station to someone who can operate it with your home call and thus give you a legal QSO with Albania. Is this true, and is it true in other countries?

In the case of someone who owns no radios at all, and simply guest operates with his own call, this presumably can't be done (so I won't be going to Albania after all).

It would look awfully suspicious if you were the QSL manager for your operation as well, and made a card out to yourself, assuming that this is legal.

What do you think, has Jim Smith got an A51JS card made out to himself?

Oh well, back to 'work' here...

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

```
From -4284231188477242877
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a6757c0aed4e14
X-Google-Attributes: gid10c9e3,public
```

X-Google-Thread: f5cc0,c4de50b8b29ce4ab
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1991-01-28 22:56:24 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!gvlf3.gvl.unisys.com!tredysvr!dvnspc1!tom
From: tom@dvnspc1.Dev.Unisys.COM (Tom Albrecht)
Newsgroups: sci.space,rec.ham-radio
Subject: Re: NASA Prediction Bulletins
Keywords: Satellite, Orbital Elements, Keplerian
Message-ID: <1083@dvnspc1.Dev.Unisys.COM>
Date: 28 Jan 91 21:16:19 GMT
References: <1895@blackbird.afit.af.mil>
Organization: Unisys Corporation, Devon, PA
Lines: 8
Xref: gmdzi sci.space:19305 rec.ham-radio:19958

Does anyone have a description of the satellites found in these bulletins?
Long name, objective/function, date of launch, owner, etc.?

Thanks

--
Tom Albrecht

From 2439513998570451581
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f90dc4e412e1aa1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9f90dc4e412e1aa1
X-Google-Attributes: gid114aac,public
X-Google-Thread: fb9af,9f90dc4e412e1aa1
X-Google-Attributes: gidfb9af,public
X-Google-Thread: f5d40,9f90dc4e412e1aa1
X-Google-Attributes: gidf5d40,public
X-Google-Thread: 10f3ae,9f90dc4e412e1aa1
X-Google-Attributes: gid10f3ae,public
X-Google-ArrivalTime: 1991-01-28 22:56:26 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!rpi!jimcat
From: jimcat@itsgw.rpi.edu (Jim Kasprzak)
Newsgroups: alt.conspiracy,alt.folklore.urban,rec.radio.shortwave,rec.ham-radio,talk.rumors
Subject: Re: Radio Signals from Space?!?
Message-ID: <XQ0^QR$@rpi.edu>
Date: 29 Jan 91 02:59:55 GMT
References: <1290@pdxgate.UUCP> <1916@cluster.cs.su.oz.au>
Organization: The Big Wedge
Lines: 25
Xref: gmdzi alt.conspiracy:2764 alt.folklore.urban:7310 rec.radio.shortwave:3930 rec.ham-radio:19959 talk.rumors:153

Nntp-Posting-Host: hope.its.rpi.edu

In article <1916@cluster.cs.su.oz.au> raf@basser.cs.su.OZ.AU (A Stainless Steel Rat) writes:

>
>The only thing like this that I've ever heard about is a tale about astronauts
>seeing very large machinery parts on the moon and saying something like "What
>the hell's that?" before being cut off. My brother's has a book about it saying
>that NASA has photos of these huge screws and things lying around on the moon.
>
>It sounds like a great UL to me. I mean, how would anyone know about it if NASA
>didn't want them to? I'd better read the book. Has anyone else heard this?
>

I actually read this book about ten years ago; there was a copy in my local library. The title was _Somebody Else Is On The Moon_. Lots of photos of lunar craters with strange tiny smudges in them which the author purported were huge machines being employed for some unknown purpose. He seemed to be asserting that some craters were being dug out like strip mines. There were also what seemed to be craters with partially closed lids on them and gears the size of Baltimore. The author seemed to genuinely believe what he was writing about, and was accusing the U.S. government of a cover-up, but even to my 12-year-old (at the time) mind, most of these strange "artifacts" could be explained away as the result of tricks of the light plus overactive imagination.

--
Jim Kasprzak kasprzak@mts.rpi.edu (internet)
RPI, Troy, NY userfe0u@rpitsmts.bitnet
"A spirit with a vision is a dream with a mission." -Rush

From -1682320166893668721
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,378d2b554a114dc0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 23:00:50 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!lll-winken!sun-barr!newstop!west!L1-A.West.Sun.COM!flloyd
From: flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242)
Newsgroups: rec.ham-radio
Subject: TS-850 - Followup
Message-ID: <1355@west.West.Sun.COM>
Date: 28 Jan 91 23:55:17 GMT
Sender: news@west.West.Sun.COM
Organization: Sun Microsystems, Phoenix, AZ
Lines: 175

More info on the Kenwood TS-850S - After The First Weekend

THE RECEIVER

Overall I'd have to say that the receiver is first rate. Although most of my personal experience comes from the TS-440, I have used a few other brands from time to time and I can recall none which seem to be noticeably better in any way. It's receive sensitivity (1.8 to 30 Mhz) is quoted as less than .2 microvolts. With its 108 db Intermodulation Dynamic Range (IMD), it stacks up very well against many of the other top rigs on the market. For example, the Kenwood TS-950 is advertised at only 105 db IMD and the Yaesu FT-1000 is the same at 108 db IMD. And yet, both of these rigs are in the $3500 price class.

I realize that there is more to a receiver than IMD, and I am just as eager as the next person to see a thorough review of the radio by the ARRL Laboratory. Don't look for it, however, until late in the year at best, given the Lab's typical backlog.

I've received some inquires about its AM Broadcast reception cababilities. First let me state that I've not been a particularly avid SWL'r and so I can't really compare it to anything. About all I have to say is that it seems to be quite accurate on broadcast frequencies and that you can choose any filter combination including 12 kHz 6 kHz, 2.7 kHz, 500 Hz and 270 Hz while in AM. There's no mention of any optional 6 kHz AM filters available. I'm not sure as to whether the included 6 kHz filters are crystal or ceramic.

ON RTTY AND OTHER AFSK MODES...

As one may expect, there have been some, shall we say, "surprises" which were initially confusing. The first one concerns the use of the rig with RTTY/AMTOR and Packet. It's always nice to employ all of the crystal selectivity you can muster when in these modes. In the radio's FSK mode, I select both of the 500 Hz filters and the copy is just fine. In the FSK mode, the rig properly, and automatically, shifts the IF passband center up by 2125 Hz so that the received tones (which are 170 Hz apart) fall right into the middle of the 500 Hz filters giving a clean and reliable copy.

Ok, so the RTTY receive is great. My problem (and I suspect that I'm not alone) is that my multimode TNC (the MFJ 1278) does AFSK and not FSK. Since the TS-850's FSK mode is true direct frequency shift keying (with digitally adjustable shift widths), it is expecting a keying relay to be diddling the RTTY IN port on the back of the rig. Alas, my TNC does not do direct keying and therefore there is no way to input its audio tones into the radio when the rig is in the FSK mode. Now here's where I would suggest to Kenwood that they could have added another option. They could have constructed a setup option which allowed the user to define the FSK mode to be direct keying or AFSK. Oh well....

So why not just use lower sideband just like everybody else for the AFSK modes? Well, the reason is that in LSB (or USB), the IF passband center is not shifted up as it is in the FSK mode and the transmitted tones (which are about 2.1 Khz offset) now fall outside of the 500 Hz filters passband making successful copy impossible. I can just use the cascaded 2.7 kHz filters (which when used together yield a 2.4 kHz response), but that's not why I invested a couple of hundred bucks in custom quartz. Suddenly a bit of disappointment sets in....

After sleeping on this one I realized that it must be possible to set the radio to receive on FSK and transmit on LSB. Sure enough, it works just fine - chalk up another point for operating flexibility. Flexibility yes but ease of use.. well, not exactly. To use this mode you must set the LSB transmit frequency as an offset of the FSK receive frequency (+- 2295 Hz depending on USB/LSB). This works but is a pain in practice since you either have to tune to an existing signal first in LSB and then switch to FSK and calculate the offset. Otherwise, you just calculate the offset and begin transmitting.

After some trial and error I discovered that I could get excellent AFSK receive performance by combining one of the 500 Hz filters (the 8.33 MHz) and one of the 2.7 kHz (the 455 kHz) of the receiver IF. After doing this, it is also necessary to set the Low Cut control on the Slope Tuning control to about the halfway position. This seems to yield pretty decent overall performance. After having discovered this I was able to hold on to a lengthy AMTOR QSO which I was receiving at no more than S-1 on the meter scale.

SLOPE TUNING?

The action of the Slope Tuning control in the above example is somewhat curious. Overall, I've not discovered the true mechanics behind the slope tuning control but in lieu of the yet-to-be-released service manual, I have developed a hypothesis which I'd like to share with you.

The Slope Tuning control consists of two concentric knobs, one labeled HI CUT and the other LOW CUT. When the LOW CUT knob is fully counter clockwise and the HI CUT knob is fully clockwise, maximum IF bandwidth (up to the selected filter bandwidth) is selected. This scheme is common on many other Kenwood rigs dating back to the TS-830.

The LOW CUT control is supposed to move the lower part of the passband edge closer to the center (carrier) frequency and the HIGH CUT control is supposed do the opposite to the high edge. One thing that I've noticed, however, is that the LOW CUT seems to be most affected by the 8.33 MHz filter selection and that the HI cut is more affected by the 455 kHz filter selection. I would not have expected any relationship between these things.

My TS-440 had the traditional IF SHIFT control in lieu of a Slope Tuning control. In combination with the multisegment LED bar graph display on my TNC, I could observe the affect that the IF SHIFT had on the RTTY tuning - it coincided. When I shifted the IF up and down, the indicator LED would move up or down accordingly.

Getting back to the TS-850, I've noticed that when the filter combination I mentioned above (500 Hz on 8.33 and 2.7 kHz on 455) is used, I see nearly the exact same TNC bargraph LED action when using the 850's LOW CUT control. This leads me to speculate that LOW CUT control is actually an IF SHIFT for the 8.33 MHz IF and the HI CUT control is the same for the 455 kHz IF. Increasing the LOW CUT (turning the knob to the right) shifts the 8.33 MHz IF to the right and increasing the HIGH CUT (turning the knob to the left) shifts the 455 kHz IF to the left. The two passbands combine giving the effect of independently adjustable high and low passband edges.

I wish to emphasize that the above IF and filter interaction theory is just that, a *theory* and I welcome any comments from the readership who can perhaps lend a different or more accurate perspective of this behavior.

PL TONES

I wanted to mention the PL operation because I find it to be just a little strange. Please bear in mind that the need for this function ranges from extremely limited to practically nil. I, for one, have never cared too much for 10 meter repeater operation and when I have used it no PL was required anyway. Nonetheless, I'll concede that some of you may indeed have a use for HF PL tones.

The point about the PL tones in this radio is that there is no TONE ON/OFF control anywhere that I can determine. You can select both the tone and it's mode (either Burst or Continuous) using the 32 function setup menu, but there is no explicit ON/OFF for tone.
I read the manual cover-to-cover a couple of times before I finally found the answer, which like most of the manual is a "hard" (literal) translation of the Japanese original. Paraphrasing the section, it states in the manual under "REPEATER OPERATION" that "tones are selected automatically whenever the FM mode is in effect and split operations are being used". What this means is that whenever you are working FM split, you're using PL, period. It looks like the best you can do to minimize this is to select the PL Burst option as I mentioned above.

CONCLUSION

I've sent Kenwood some E-mail via their BBS number (1-212-761-8284) asking about the FSK vs. AFSK problem which I described above. This was on Friday and so far today I've not been able to log back onto their system to see if they have any response for me. I'll be sure and post one if it comes and I'll call them by voice if one doesn't.

I hope that those of you who have stuck with my two articles this far have found them interesting and/or informative. Thanks to all of you who have sent me e-mail regarding the article(s). I'll be happy to answer any further questions either on the alias or via private e-mail as my work schedule permits.

Also, some folks have asked me to post the specific selectivity figures from the manual. I will post these the next chance I get.

73's

-fred

```
--
| Fred Lloyd  AA7BQ                        Fred.Lloyd@West.sun.com |
| Sun Microsystems, Inc.                                ...sun!flloyd |
| Phoenix, AZ       (reality -- what a concept!)    (602) 275-4242 |
```

From -5848581580909866063
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76489b0e31b4a973
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 23:00:59 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!caen!hellgate.utah.edu!uplherc!wicat!keithm
From: keithm@wicat.UUCP (Keith McQueen)
Newsgroups: rec.ham-radio
Subject: Anderson Power-pole connectorw (Was: DANGER in sexless Standard 12V DC Connectors
Message-ID: <524@wicat.UUCP>
Date: 29 Jan 91 01:07:18 GMT
References: <"15-Jan-91..7:59:50.PST".*.PMcAfee.El_Segundo@Xerox.com> <1250345@hpnmdla.HP.COM>
Reply-To: keithm@wicat.UUCP (Keith McQueen)
Organization: WICAT Systems, Orem, Utah
Lines: 43

As I mentioned earlier in this thread, Utah ARES and RACES is using the Anderson Power-Pole connectors. I guess I neglected to mention that these cannot be plugged in backwards (+ to - etc.). You do however have to have the colors put together the same in order for this to be true.

We use the 30Amp version. You order them as three separate pieces. Two plastic shells, and the metal connector inserts for them. When you get them in your hands, hold the two shells such that you are looking into the throat of them. If you have this right, you should see a tiny "A" on the front of each shell. Hold them such that the "A" is right side up, then put the RED shell on the RIGHT. Glue the two shells together. Again, hold them so that you see the two little "A"'s right side up with the RED shell on the RIGHT.

We have found that even though you can crimp the inserts to the wire, it is better to solder them (before putting the inserts into the shells). They are tinned and solder very easily.

We have also found that it is most convienient to put two connections on each piece for equipment. This allows you to daisy-chain various pieces of equipment together.

The only disadvantage to these connectors that we have found is that a source can be plugged into another source. This is usually not a problem, and can be a big ADVANTAGE. This allows me to plug my deep cycle RV battery into my regulated power supply to float/charge it. I can also quick charge my large (5-10 Amp hour) ni-cad packs the same way. You just have to be a little careful. We have used these connectors across the state for several years now and I have not heard of any major problems.

Thanks,
Keith McQueen
ARES EC Utah County
Utah County SCAT team commander

```
--
 Keith McQueen, Wicat Systems Inc. , (801)224-6400      | My opinions are |
 N7HMF @ NV7V.UT.USA.NA (84058), 147.34+, 449.675-      | all mine...     |
 UPLHERC!WICAT!KEITHM                                   | ...so there!    |
```

From 545483727193232978
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,922e5441b3b9fb60
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 23:45:44 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!pacbell.com!ucsd!sdcc6!ee299aj
From: ee299aj@sdcc6.ucsd.edu (Jung Ching Ho)
Newsgroups: rec.ham-radio
Subject: Re: New Icom Handheld
Message-ID: <16115@sdcc6.ucsd.edu>
Date: 29 Jan 91 05:29:52 GMT
References: <paul.5142@wa1omm.UUCP>
Organization: University of California, San Diego
Lines: 11

You are right. Icom is going to introduce a new dual band HT.
I have a Japanese friend who is a visiting scientist in my lab and is a ham. One day he showed me a Japanese CQ buyers guide
and I found this unit
- IC-W2. The list price is 64,000 yen. Divided by 140, you will get the list price in US dollars. In my opinion, this will be nothing but the same as IC-24 or other HTs and I think all of the HTs are the same -- poor antenna efficiency and low power. I have an ICOM IC2-GAT 7W output and for the poor antenna efficiency I can hardly make any contact without using other antenna and a linear to boost up the receiving/transmitting signal.

From -8614431604707405543

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61dc87a4e6d4ffb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-28 23:47:28 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!magnus.ircc.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!MVS.OAC.UCLA.EDU!CSMSCST
From: CSMSCST@MVS.OAC.UCLA.EDU (Chris Thomas, AA6SQ)
Newsgroups: rec.ham-radio
Subject: Re: Stamps
Message-ID: <9101290602.AA16338@ucsd.edu>
Date: 29 Jan 91 06:01:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 36

The two best sources for foreign return postage are:

George Robertson, W2AZX
DX Stamp Service
7661 Roder Parkway
Ontario NY 14519

Brian Treadwell, WV4V
DX QSL Associates
434 Blair Rd NW
Vienna, VA 22180

Send either an SASE for their current price lists. Roughly $1-$1.40 per stamp. Actually, you'll usually get a little packet of several stamps. Use them all - ie, one packet = sufficient airmail postage for one normal letter. I've had excellent service from both. Tell them I sent you.

Other hints: Expect high ripoff rates in many Caribbean countries, South America, and the USSR. The postal service in these places will 'fail to delever' anything that looks like it contains stamps or money. Never put call signs on envelopes (but unless the PO is totally lame, they *know* the reciepient is a ham anyway.) Never send anything besides a card to Box 88, Moscow -- the Central Radio Club considers any enclosures to be 'donations'.

Brian has Euro style airmail envelopes for sale, which he imports from Switzerland. I like to use them for both ways. They make incoming letters look much more like correspondence than like QSL cards. They are also big enough for those oversized (ie, std metric sized) QSL cards. I *hate* it when they fold a QSL to fit a US envelope. Only problem is cost. Does anybody know of a source of Euro-stype airmail envelopes that aren't $0.25 each???

73 and good DX /Chris (AA6SQ)

```
From 1769981671564327786
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f90dc4e412e1aa1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9f90dc4e412e1aa1
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10ed7b,e1502104b6d8a40d,start
X-Google-Attributes: gid10ed7b,public
X-Google-Thread: fb9af,9f90dc4e412e1aa1
X-Google-Attributes: gidfb9af,public
X-Google-ArrivalTime: 1991-01-28 23:59:43 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!
zaphod.mps.ohio-state.edu!swrinde!ucsd!nosc!cod!deichman
From: deichman@cod.NOSC.MIL (Shane D. Deichman)
Newsgroups: rec.radio.shortwave,rec.ham-radio,talk.rumors,talk.bizarre
Subject: Re: Radio Signals from Space?!?
Keywords: radio shortwave ham space signals astronauts Tesla
Message-ID: <2753@cod.NOSC.MIL>
Date: 29 Jan 91 06:08:40 GMT
References: <1290@pdxgate.UUCP> <1991Jan28.211244.7808@porthos.cc.bellcore.com>
Reply-To: deichman@cod.nosc.mil.UUCP (Shane D. Deichman)
Organization: Naval Ocean Systems Center, San Diego
Lines: 5
Xref: gmdzi rec.radio.shortwave:3931 rec.ham-radio:19964 talk.rumors:155
talk.bizarre:2062
```

cooooooper.....

cooper.....

cooper....

```
From 2106041398381706972
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bc4ba2dc50ec65c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,1bc4ba2dc50ec65c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-01-29 00:26:02 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!
lll-winken!elroy.jpl.nasa.gov!swrinde!zaphod.mps.ohio-state.edu!pacific.mps.ohio-
state.edu!linac!att!att!mcdchg!tellab5!mtcchi!cas
From: cas@mtcchi.uucp (2668-Charles A Sherwood(Z550900)0000)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Flux Gate Compass
Message-ID: <1991Jan28.205348.11533@mtcchi.uucp>
Date: 28 Jan 91 20:53:48 GMT
References: <541@cow.ecs.oz> <2939.279ef15b@iccgcc.decnet.ab.com>
<1991Jan25.032656.3794@syd.dms.CSIRO.AU>
<1991Jan25.165409.8299@news.larc.nasa.gov>
Reply-To: cas@ihcgf.UUCP (2668-Charles A Sherwood)
```

```
Organization: Memorex Telex Corporation NSBG/STP
Lines: 25
Xref: gmdzi sci.electronics:11150 rec.ham-radio:19965

In article <1991Jan25.165409.8299@news.larc.nasa.gov> kludge@grissom.larc.nasa.gov
( Scott Dorsey) writes:
>In article <1991Jan25.032656.3794@syd.dms.CSIRO.AU> steveq@syd.dms.CSIRO.AU
(Stephen Quigg) writes:
>
>c. There weren't any flux-gate compasses used in WWII.

WRONG WRONG WRONG. I have one!! It was the main nav compass for a B17.
I purchased mine from one of the surplus places about 5 years ago.
There was an article several years ago in one or the electronics mags about
how to play with these. I believe it was in the hardware hackers column.

I have not managed to make my WWII flux gate work, for several reasons.
 1) lack of doumentation.
 2) lack of the electronic section, I have the flux gate and the indicator.
 3) Its a three phase system, all new systems are two phase.
    I believe they used a three phase system, because all they had for
    indicators were syncro motors.




--
     Chuck Sherwood           cas@mtc.com             708-305-3470
     Memorex Telex Corporation                     Indian Hill Court
     1000 E. Warrenville Road, Room 1H315      Naperville, IL  60563
     UUCP:  ...!att!mtcchi!cas    or            ...!uunet!mtcchi!cas


From 7525139029890568196
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a9716f7f1a9cde38
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 20:13:17 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-
state.edu!swrinde!elroy.jpl.nasa.gov!decwrl!pa.dec.com!rust.zso.dec.com!
shlump.nac.dec.com!koning.enet.dec.com
From: koning@koning.enet.dec.com (Paul Koning)
Newsgroups: rec.ham-radio
Subject: Re: HT with tone burst and CTCSS tone
Message-ID: <19451@shlump.nac.dec.com>
Date: 25 Jan 91 17:09:55 GMT
References: <5548@feldspar2.UUCP> <10510020@hpcuhb.cup.hp.com>
Sender: newsdaemon@shlump.nac.dec.com
Reply-To: koning@koning.enet.dec.com
Organization: Digital Equipment Co., distributed systems architecture
Lines: 18
```

|>
|>I did the 'green wire' modification to my TH-75A to increase RX coverage
|>(short green wire near the back of the display -- clip it). The mod (I
|>thought) wasn't supposed to affect TX coverage.
|>
|>Just checked my unit -- it will TX as low as 420.005 MHz. Don't know
|>how effectively, but a scanner nearby will pick up the signal.
|>
|>Caveat -- use a dummy load when trying this at home, to avoid out-of-band
|>TX.
|>
Out of band? 420.005 MHz is in band, unless you're north of "Line A" or
in one of two or three specific cities. Sure, the 70 cm equipment makers
don't seem to know this, and some equipment reviewers who write for some
of the ham mags don't know it, but them's the rules...

paul, ni1d

From 5902587181873222863
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d20358612653545a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 20:34:17 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: What do I want in a radio?
Message-ID: <25.Jan.91.12:09:53.GMT.#7896@UK.AC.NWL.IA>
Date: 25 Jan 91 11:40:53 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 51

What do I want in a radio? well, here goes:

1) Understandable circuit constructed using as many off-the-shelf parts as possible. Surface-mounted chips may be a plus-point for the manufacturer when he assembles the thing, but they are a pig of a job to change in the average ham workshop. And where do i get a new PAL chip to fix my dead Kencomsu TX9900 at 4:30PM on a saturday? Certainly not from the local Radio Shack; ('Sorry sir, if its not in the catalog it dont exist').
2) Plenty of space inside to allow me to fit internal modifications, try out new demodulators, filters etc. and to repair the thing when it dies.
3) Full schematics and alignment instructions to be supplied, ideally with voltage readings on critical points etc. (if these are not supplied, then no worry - an hour with the DVM to establish the 'when working' voltages is time well spent when the thing dies in 5 years time).
4) For HF gear, an analog VFO and a nice heavy flywheel on the tuning knob. The 'feel' of a control is just as important as how well it works.
5) For VHF gear (FM) a few channels accessible by a simple rotary switch.

Try programming 145.5625MHz when wearing gloves at 3AM in the dark on some of the modern micro-hand-helds and you will see what i mean.

6) Able to operate into any (or no!) RF load without damage. Power output to degrade 'gracefully' with increasing SWR. (the 'sudden death above 2:1' type of SWR protection makes it almost impossible to use the radio when experimenting with antennas, using radio as temporary RF-dielectric-heater etc)
7) Freedom from crossmodulation/desense - most important when operating on more than one band at the same time.
8) Robust construction so i do not have to worry about the radio suffering mechanical damage when portable/mobile. 'Robust' to me implies a steel case/chassis, and proper 1/4-inch-shaft controls. Make it *HEAVY*.
9) Proper design - able to operate continuous duty without overheating; (this means using tubes etc. run at 'continuous commercial service' ratings, not 'Intermittent commercial & amateur service' ratings - likewise for solidstate PA's.) How many modern '100-watt' radios have to reduce to, say, 25 watts for AM operation? To me, this says these are '25 watt' radios.

I am prepared to do without memories, scanning, LCD readouts of the designer's star-sign, microphone-controlled up/down tuning, extended frequency coverage, computer control, speech-indication of frequency, digital voice storage, built in keyers, real-time dollar/yen conversion, and all the other stuff that seems to be included nowadays.

At times, looking at some of the modern gear, it looks to me more like 'a computer that just happens to be able to transmit' rather than a radio.

Now if someone were to start selling kits to build-your-own KWM-2A and charging, say, 1500 dollars for the parts, I would buy one rather than fork out the same cash on the products of any of the top three brands from the Orient. Most of the equipment i use is/was designed for the 'commercial' market rather than the 'amateur' market. I would rather buy a 10-year-old Mercedes than a new Subaru.

Pete Lucas PJML@UK.AC.NWL.IA G6WBJ@GB7SDN.GBR.EU

From 6041838935898134590
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b87540a221fe9412,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 20:34:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: How to get a No-Code Technician Ham license
Summary: how to take tests with or without code in the south Jerse
eastern Penna area
Keywords: easy, Valentine's Day
Message-ID: <911@wells.UUCP>
Date: 26 Jan 91 04:34:39 GMT
References: <2295@autodesk.COM>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058

Lines: 14

The previous posting tells how to find a test session
on the West Coast.

Fear not, if you
are in the East you still can get a license (or try the
test anyhow) with or without code.

Just call (215) 946-1040 or (215) 736-3333 and set a schedule.

It's easy. The more the better. We want new hams. New-tech,
old-tech, Novice, whatever.

K3TX

From 8144772727250962096
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eff81f6cc82d3107,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 20:45:02 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!swrinde!cs.utexas.edu!convex!texsun!male!zule!dlp
From: dlp@zule.Ebay.Sun.COM (Dan Pritchett)
Newsgroups: rec.ham-radio
Subject: BFO for AM
Message-ID: <4665@male.EBay.Sun.COM>
Date: 25 Jan 91 16:09:12 GMT
Sender: news@male.EBay.Sun.COM
Reply-To: dlp@zule.Ebay.Sun.COM (Dan Pritchett)
Organization: Sun Microsystems Federal, Inc.
Lines: 21

I'm looking at building a receiver that is in the 1991 ARRL Handbook.
I think I understand everything that is identified in the schematics
and text, but I'm a little confused on the demodulation circuit. The
receiver is currently designed to support CW, USB, and LSB, but I would
also like to include AM so I can use it for SW reception as well as
future ham use. It would appear that all I need to do is add an additional
BFO circuit that I switch in, but after going through the book a couple
of times I'm having a hard time finding a circuit to help me with this.

Can someone point me in the right direction in terms of references?

Thanks in advance for any help. My apologies if this is a simple question
but my brain is really rusty on this non-digital stuff.

Dan Pritchett | ARPA/Internet: dlp@zule.EBay.Sun.COM
Sun Federal System Engineer | UUCP: ...!sun!dlp

It's written in the stars, and every line in our palm
We are fools to make war on our Brothers in Arms.
--Mark Knopfler

From 7314625856725996096
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bf6d0907f93e4f0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 20:45:56 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!lll-winken!
elroy.jpl.nasa.gov!sdd.hp.com!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: Sex and CW outmoded?
Message-ID: <680@chiton.ucsd.edu>
Date: 25 Jan 91 16:53:54 GMT
References: <1991Jan24.150746.21155@lonex.radc.af.mil> <678@chiton.ucsd.edu>
<1991Jan25.011337.18401@informix.com>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 17

In article <1991Jan25.011337.18401@informix.com> randall@informix.com (Randall Rhea) writes:
>The big question is does ham radio CAUSE a lack of aforementioned physical
>activity. Well, I'm a ham, and I haven't so much as had even one
>date in months.

Your problem is you don't work enough CW!!! Just start up a nice QSO on the low end of 10 Meters and within moments your front end will overload with all of the CB hookers transmitting illegally on the band. The problem is I haven't found one yet that can copy 35 WPM. Oh well, it's got to be that damn no-code..

Many many B-) 's AA6PN

--
richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From 985108513465688687
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bc4ba2dc50ec65c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,1bc4ba2dc50ec65c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-01-25 20:46:01 PST
Path: gmdzi!unido!mcsun!uunet!abvax!iccgcc!gibbonsj
From: gibbonsj@iccgcc.decnet.ab.com
Newsgroups: sci.electronics,rec.ham-radio

Subject: Re: Flux Gate Compass - Source
Message-ID: <2962.279fff2f@iccgcc.decnet.ab.com>
Date: 25 Jan 91 14:49:35 GMT
References: <541@cow.ecs.oz> <2939.279ef15b@iccgcc.decnet.ab.com>
Lines: 27
Xref: gmdzi sci.electronics:11067 rec.ham-radio:19849

> In article <541@cow.ecs.oz>, bmp@cow.ecs.oz (Bruce Paterson) writes:
>> A friend is attempting to build (from scratch) a flux-gate compass
>> for use in a vehicle mounted dead-reckoning navigation system.
>
> stuff deleted...
>
> Why build one from scratch? You can buy a WWII flux-gate compass from
> a company called JOLLYCO (or something like that) out of Chicago. These
> are the real thing, minus electronics, for somewhere around $35.
>
> If you're interested, I can dig up / verify the company name & phone number.
>
> --

Due to the response, I will make a general posting...

Jerry Co., Inc.   (Well, at least it was close... 8-])
601 Linden Place
Evanston, IL 60202

(708) 475-8440

Hope this helps!

John Gibbons

Of all the things I've lost, I miss my mind the most...

From -9202904574578846888
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,656fff6fd795f8bd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 20:48:17 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!agate!ucbvax!wellfleet.com!rcorley
From: rcorley@wellfleet.com (Rich Corley)
Newsgroups: rec.ham-radio
Subject: reply to Need a simple computer/radio interface
Message-ID: <9101251536.AA00589@orleans.Wellfleet.Com>
Date: 25 Jan 91 15:36:38 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19

>>In article <CDEECE1E121F0016A2@uncg.bitnet> MOSIER@UNCG.BITNET (Steve Mosier)

>>writes:
>>I have a copy of Super Morse, . . .
>>Has anyone played around with hooking this up to a receiver . . .
>>I . . .[just] . . . want to see if my computer will copy morse off my receiver.

>Oh no!!! you mean a computer can do it now???? Oh man that would be *so*
>great! I'll bet the next thing they invent is a computer that can have sex
>for you too!!! :-)

>why bother?
>buzz
>wm1w

Isn't this what ham radio is all about? Experimenting with computer/radio
interfaces may not be your cup of tea but why do you find it necessary to
bash somebody who whats to experiment? If you cann't offer some assistance
to Steve then don't waste the bandwidth with your negative responses!

Rich WA1TMT

From 8284961504103267264
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcac4daa4d00f5fa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 20:49:40 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: CNN on Shortwave?
Message-ID: <1148.27A067C7@w8grt.fidonet.org>
Date: 25 Jan 91 22:24:32 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 26

 > From: gary@ke4zv.UUCP (Gary Coffman)
 > Date: 23 Jan 91 12:58:00 GMT
 > Organization: Gannett Technologies Group
 > Message-ID: <2003@ke4zv.UUCP>
 > Newsgroups: rec.ham-radio
 >
 > >>There were rumors a while back that Ted Turner was considering
 > >>setting up a shortwave station for CNN. Anybody for a lobbying
 > >>campaign to convince him of the worth of WCNN-SW? I was wishing
 > >>such a thing existed as I was driving around listening to local WCBS
 > >>blathering on and on....
 > >
 > >This would certainly be a very worthy use of the SWBC spectrum, IMHO.
 > >I would certainly want to encourage Mr. Turner to go for it.
 > >
 > >However, the way shortwave broadcasting works, especially in the US since
 > >the FCC adheres to international rules and proceedures, makes doing a full

I'm not sure what they would gain by a SWBC station. They're already seen in
110 countries.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 4898882064530407928
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,22b326962d6709c2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 20:52:15 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!spool2.mu.edu!sdd.hp.com!
wuarchive!ukma!usenet.ins.cwru.edu!cwsys3!dkazdan
From: dkazdan@cwsys3.cwru.edu (David Kazdan)
Newsgroups: rec.ham-radio
Subject: TH77A mods
Summary: Aircraft AM? Anything else?
Message-ID: <1991Jan25.175253.17287@usenet.ins.cwru.edu>
Date: 25 Jan 91 17:52:53 GMT
References: <1991Jan25.140515.17568@lonex.radc.af.mil>
Sender: dkazdan@cwsys3.cwru.edu (David Kazdan)
Organization: Dept of Systems Engineering, Case Western Reserve U., Cleveland, OH
Lines: 18
Nntp-Posting-Host: cwsys3.esys.cwru.edu

Hamfolks:

Enormous overjoyment--my wife got her technician license and is taking the
General code this weekend (listen for N8NFE, Laura) and we got a pair of
HTs which she seems to enjoy enormously. We bought TH77As, which I can
recommend except for those little dummy-load antennas shipped with them.

Anyone know the mod for aircraft band AM? The Kenwood ads say its possible,
but there's nothing in the manual about it.

Any other mods known?

Thanks!

73,

David, AD8Y

From -2829653571418967325
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bc4ba2dc50ec65c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,1bc4ba2dc50ec65c

X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-01-25 20:54:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!news.larc.nasa.gov!grissom.larc.nasa.gov!kludge
From: kludge@grissom.larc.nasa.gov (Scott Dorsey)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Flux Gate Compass
Message-ID: <1991Jan25.165409.8299@news.larc.nasa.gov>
Date: 25 Jan 91 16:54:09 GMT
References: <541@cow.ecs.oz> <2939.279ef15b@iccgcc.decnet.ab.com>
<1991Jan25.032656.3794@syd.dms.CSIRO.AU>
Sender: news@news.larc.nasa.gov (USENET Network News)
Reply-To: kludge@grissom.larc.nasa.gov (Scott Dorsey)
Organization: NASA Langley Research Center
Lines: 8
Xref: gmdzi sci.electronics:11069 rec.ham-radio:19853

In article <1991Jan25.032656.3794@syd.dms.CSIRO.AU> steveq@syd.dms.CSIRO.AU
(Stephen Quigg) writes:
>Why build one from scratch? You can buy a WWII flux-gate compass from
>a company called JOLLYCO (or something like that) out of Chicago. These
>are the real thing, minus electronics, for somewhere around $35.

a. The company's name is Jerryco.
b. They don't have any flux-gate compasses in their last few catalogues.
c. There weren't any flux-gate compasses used in WWII.

From 2530157914666364309
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bef5500aeb6e96f2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 21:06:59 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!
ucbvax!WSMR-SIMTEL20.ARMY.MIL!LSPRINGSTEEN
From: LSPRINGSTEEN@WSMR-SIMTEL20.ARMY.MIL (Larry L. Springstee)
Newsgroups: rec.ham-radio
Subject: DUAL BAND J-POLE 2M/220MHz
Message-ID: <12656772969.23.LSPRINGSTEEN@WSMR-SIMTEL20.ARMY.MIL>
Date: 25 Jan 91 18:10:25 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 34

You asked and here it is!

These dimensions are from the 2M/220 Mhz dual band J pole I built in
1984 when I got my 220 rig. It took me only a few hours and 10 feet of
1/2 inch cooper tubing (I had some left over for a 440 as well).
39.5 inches to the first 'T'
13.25 inches 220 MHz stub
 1.75 inches from tuning stub to 'T'

19.5 inches from first 'T' to second 'T'
19   inches 2M tuning stub
 2.25 inches from stub to 'T'
other hardware I used:
 2 'T's, 2 90 degree elbows and 3 end caps
7 feet of cooper tubing would do it if you are crunched for
resources.

```
         -----
              |
--------------+-------------+--
                ____________|
```

This is a rough idea of what mine looks like. I made the tuning
stubs 180 degrees from each other. All of the measurements are
approximate to the nearest 1/4 inch. I used a 3/8 inch rod to
support the whole array. I fed it with RG-58 coax and did not use
a balun. If I had a rig for 440 I would have included that bthis antenna
(donations of 440 rigs will be accepted).
 I hope I made this clear enough, drop me a note if you found this
of use. 73 LARRY

e mail--> LSPRINGSTEEN @ WSMR-SIMTEL20.ARMY.MIL
Packet--> LARRY WB8LBZ @ K5WPH-2.NM.USA.NA
Ma Bell-> w (505)ny one
          h (915) 821-3021 after 1600 before 2000 MST(MDT)

From 3514014592377473109
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bc4ba2dc50ec65c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,1bc4ba2dc50ec65c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-01-25 21:15:23 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!umich!
sharkey!cfctech!rphroy!rcsrlh!rhaar
From: rhaar@albert.cs.gmr.com (Robert L. Haar CS50)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Flux Gate Compass
Message-ID: <43236@rphroy.UUCP>
Date: 25 Jan 91 14:55:36 GMT
References: <541@cow.ecs.oz> <2939.279ef15b@iccgcc.decnet.ab.com>
<1991Jan25.032656.3794@syd.dms.CSIRO.AU>
Sender: news@rphroy.UUCP
Reply-To: rhaar@albert.cs.gmr.com (Robert L. Haar CS50)
Followup-To: sci.electronics
Lines: 30
Xref: gmdzi sci.electronics:11071 rec.ham-radio:19855

In article <1991Jan25.032656.3794@syd.dms.CSIRO.AU>,
steveq@syd.dms.CSIRO.AU (Stephen Quigg) writes:
|> In article <2939.279ef15b@iccgcc.decnet.ab.com>

gibbonsj@iccgcc.decnet.ab.com writes:
|> >In article <541@cow.ecs.oz>, bmp@cow.ecs.oz (Bruce Paterson) writes:
|> >> A friend is attempting to build (from scratch) a flux-gate compass
|> >> for use in a vehicle mounted dead-reckoning navigation system.
|> >...
|> >Why build one from scratch? You can buy a WWII flux-gate compass from
|> >a company called JOLLYCO (or something like that) out of Chicago. These
|> >are the real thing, minus electronics, for somewhere around $35.
|> >
|> >If you're interested, I can dig up / verify the company name & phone
number.
|> Or buy a complete compass from Tandy (Radio Shack) for $Aus 99. Don't know
|> how good they are though.
Wasn't there an article in one of the pop. press magazines (maybe Radio
Electronics) about six months ago on how to interface to the Rat Shack
flux gate compass> The RS unit is intended as a standalone automotive
compass but the main element is a reasonable flux-gate magnetic heading
sensor.

Note that in addition to sensor inaccuracies, you will have to cope with
the magnetic declination - the differnece between magnetic and
geographic north - that varies from one location to another.

Bob Haar InterNet : rhaar@albert.cs.gmr.com
Computer Science Dept., G.M. Research Laboratories
DISCLAIMER: Unless indicated otherwise, everything in this note is
personal opinion, not an official statement of General Motors Corp.

From 4249512816399733411
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bf5e36a660faa3ec,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 21:31:32 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Help on SW plans?
Message-ID: <1149.27A067CD@w8grt.fidonet.org>
Date: 25 Jan 91 22:24:40 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 27

> From: lrj@fibercom.COM (Larry Johnson)
> Date: 24 Jan 91 03:28:55 GMT
> Organization: FiberCom Inc., Raleigh, N. C.
> Message-ID: <482@millbrook.fibercom.COM>
> Newsgroups: rec.radio.shortwave
>
> In article <1991Jan17.193604.15024@ux1.cso.uiuc.edu>
> myc18656@uxa.cso.uiuc.edu (Melinda Y Chen) writes:
> >I'd like to embark on a nice, long electronics project. I plan to

> >start building a shortwave radio. Would anyone know where
> >I can find plans?
>
> Check the various publications of the American Radio Relay League
> (ARRL), the major Amateur Radio organization in the U.S. Their

Please check out the Radio Society of Great Britain's RADIO COMMUNICATIONS HANDBOOK, 2 volumes. It has by far the best coverage of home radio construction projects of any of the popular ham radio handbooks. The Bill Orr RADIO HANDBOOK, published by the Editors and Engineers subsidiary of Sams. comes second. The ARRL Handbook is, sadly, a waste of time for the sort of thing you have in mind.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 3038901675376063026
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c65f4c523163363c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 21:48:23 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: U2MIR
Message-ID: <241@platypus.uofs.edu>
Date: 25 Jan 91 18:06:57 GMT
References: <52.John@mcc.nu.jh>
Organization: University of Scranton, Scranton, PA
Lines: 18

In article <52.John@mcc.nu.jh>, John@jh.nu.manchester-computing-centre.ac.uk (John Heaton) writes:
>
>
> Last weekend my system had U2MIR in the axheard list on 144.625, I

OK, someone (AMSAT?) what is the definitive word on what frequency U2MIR is going to be using?? So far people have been claiming to have heard him on everything from DC to LIGHT. Where exactly should I be listening?? I didn't get to work the Shuttle, but I would gladly settle for MIR.

bill   KB3YV

--

Bill Gunshannon | If this statement wasn't here,

bill@platypus.uofs.edu | This space would be left intentionally blank

From -1438159727099710943
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bc4ba2dc50ec65c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,1bc4ba2dc50ec65c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-01-25 23:00:08 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!spool2.mu.edu!sdd.hp.com!ucsd!chiton!cdl
From: cdl@chiton.ucsd.edu (Carl Lowenstein)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Flux Gate Compass
Message-ID: <681@chiton.ucsd.edu>
Date: 25 Jan 91 18:24:33 GMT
References: <541@cow.ecs.oz> <2939.279ef15b@iccgcc.decnet.ab.com>
<1991Jan25.032656.3794@syd.dms.CSIRO.AU>
<1991Jan25.165409.8299@news.larc.nasa.gov>
Reply-To: cdl@chiton (Carl Lowenstein)
Followup-To: sci.electronics
Organization: MPL of SIO at UCSD
Lines: 11
Xref: gmdzi sci.electronics:11075 rec.ham-radio:19858

In article <1991Jan25.165409.8299@news.larc.nasa.gov> kludge@grissom.larc.nasa.gov (Scott Dorsey) writes:
>c. There weren't any flux-gate compasses used in WWII.

There certainly were flux-gate magnetometers, used
for MAD (Magnetic Airborne Detection of submarines).

--
```
        carl lowenstein         marine physical lab     u.c. san diego
        {decvax|ucbvax} !ucsd!mpl!cdl                 cdl@mpl.ucsd.edu
                                                  clowenstein@ucsd.edu
```

From 7483550020142575204
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f676054bfd66f52
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 23:00:29 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!usc!apple!portal!cup.portal.com!rpA-Inc
From: rpA-Inc@cup.portal.com (RP and Ainc)
Newsgroups: rec.ham-radio
Subject: Re: no code licenses
Message-ID: <38467@cup.portal.com>
Date: 25 Jan 91 19:17:32 GMT
References: <"16-Jan-91.15:42:09.GMT".*.hugh_davies.wgc1@rx.Xerox.com>

<79879@unix.cis.pitt.edu>
Organization: The Portal System (TM)
Lines: 50

>
> During the Great CW Debate, a leading arguement for retaining the code
> requirement was that CW filters out bad operaters. The fear was that our ham
> bands would sound like the CB band if not for CW keeping out the trash.
>
> An arguement in favor of the no-code license was that CW was preventing
> many otherwise technically competant potential hams from going on the air.
> The hope was that these folks would flock to receive amateur licenses and
> increase the amount of experimentation, especially in digital modes.
>

I can tell you from personal experience that the code has been a deterrent to otherwise technical people to get into amateur radio. A few months back, a friend and I went ahead and passed the written tests all the way up to and including advanced (w/ perfect scores on 2 out of the 3 I might add (;-)

We have since stalled on the code (mainly because of a lack of time... or perhaps its psychological (:-). Our intent was to use the license purely for packet radio use. We are both sufficiently versed in general datacomm issues and have access to extensive computer resources at work and at home.

Now we WILL finish off the code test. But who knows how long that will take and in the meantime many many others are staying away from getting into packet radio because of the code requirement. I personally think it's one of those things that might come handy in life (sort of like knowing how to start a fire without a match, etc...) but one that is absolutely of no relevance to data communications (I never bothered to memorize EBCDIC codes. There are a lot of IBM machines out there but I don't usually come into contact with them. And when I do, there is a conversion program that takes care of things...)

I think a codeless license would increase the number of interested parties. Even more valuable though would be a packet class license (with its own identifier to set it apart from general CW) for those without any intention of going voice or code. You would get an incredible increase in R&D and experimental networking (especially in the area of Wide Area networking and distributed networks) if that comes to be. Not many people have access to satellite and leased lines for network research.

Anyone with a PC, a TNC, and a willing friend can come up with amazing distributed network facilities.

Just my two cents worth...

Cheers,

Ramin Firoozye'
rp&A Inc.

San Francisco, CA.

From -5219167685439026986
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2e7b6ff3fc43ec85
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,2e7b6ff3fc43ec85
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-25 23:01:34 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!spool2.mu.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!sun-barr!olivea!orc!inews!fxrs!jmasters
From: jmasters@fxrs.intel.com (Justin Masters)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Frequencies of radio Baghdad
Keywords: Baghdad
Message-ID: <306@fxrs.intel.com>
Date: 25 Jan 91 20:14:39 GMT
References: <1991Jan19.001647.19740@rodan.acs.syr.edu> <803@ssc.UUCP> <1991Jan24.235418.16631@informix.com>
Reply-To: jmasters@fxrs.intel.com (Justin Masters)
Organization: Intel FMD, Folsom, CA
Lines: 46
Xref: gmdzi rec.ham-radio:19860 rec.radio.shortwave:3864

In article <1991Jan24.235418.16631@informix.com> randall@informix.com (Randall Rhea) writes:
|In article <803@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
|>In article <1991Jan19.001647.19740@rodan.acs.syr.edu>, japullin@rodan.acs.syr.edu (Pullin) writes:
|>>
|>> Hello
|>> Could someone email me if it is possible to listen to Radio Baghdad and in what
|>> frequencies and hours?
|>
|>
|>Sure. Here it is. Time is in UTC, of course:
|>
|>

```
|>Iraq    R. Baghdad  0230-0430+  11830 11810     NA/SA/Ind/Pak
|>                    2100-2300+  13660           Eu
|>        V. of Peace 1000-1200*  11860           Troops in Gulf
|>                    1600-1800*  11860           Troops in Gulf
|>                    2001-2200*  11860           Troops in Gulf
|
```

|Has anyone actually heard either station over the past few days? I
|heard that both are off the air ... gee, wonder why?

Maybe it has something to do with this weather forecast taken off a Saudi BBS.

Weather forecast seen on Saudi BBS 'Last Outpost':

"Baghdad will be bright and sunny, with lows in the mid-40s and highs in the upper 10,000's. Winds will be from the south, southeast, and southwest at 1,500-1,800 knots. Sunscreen 300 is recommended. Chances of precipation of molten objects are 90-99%."

```
                :-)
|
|--
|
|=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
|Randall Rhea                                          Informix Software, Inc.
|Senior Programmer/Analyst, MIS                    uunet!pyramid!infmx!randall
```

--
"We are greatful for the dedication of the men and women serving in the gulf
and our prayers are with them. Some say they are just doing their job, but it
goes beyond that. They are serving this country and us, and they are serving
what we believe in." - Glenn Ballard. | jmasters@fws136.intel.com

From 7779927559825538459
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,77cf87b354e7eab
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 23:02:03 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!lll-winken!
elroy.jpl.nasa.gov!usc!apple!olivea!orc!inews!fxrs!jmasters
From: jmasters@fxrs.intel.com (Justin Masters)
Newsgroups: rec.ham-radio
Subject: Re: POTENTIAL MAJOR FLARE WARNING - ATTENTION
Message-ID: <307@fxrs.intel.com>
Date: 25 Jan 91 20:20:59 GMT
References: <910125013230.29e014cf@HG.ULeth.CA>
Reply-To: jmasters@fxrs.intel.com (Justin Masters)
Organization: Intel FMD, Folsom, CA
Lines: 37

In article <910125013230.29e014cf@HG.ULeth.CA> std_oler@HG.ULeth.CA (Cary Oler)
writes:

```
|
|            /\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
|
|                     POTENTIAL MAJOR FLARE WARNING
|
|                         ATTENTION  ATTENTION
|
|            /\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
|
|
```

| January 25, 1991
|
|
|ATTENTION:
|
| A significant surge of solar activity has begun. Two very significant
|and very large active regions have developed and are now capable of spawning
|major energetic flare activity. In addition, significant activity has been
|observed on the eastern limb. Loops and an associated flare was observed
|near S14E90 today. The solar flux has exploded to a value of 244 and is
|expected to rise perhaps in excess of 260 by the time the peak is reached.
|The sunspot number has likewise experienced a dramatic increase and is now
|reported at a value of 216 (although it will likely climb quite higher
|as the eastern limb region(s) rotate into view).

I am new to this newsgroup. What harm/benefit does a solar flare bring?

--
"We are greatful for the dedication of the men and women serving in the gulf
and our prayers are with them. Some say they are just doing their job, but it
goes beyond that. They are serving this country and us, and they are serving
what we believe in." - Glenn Ballard. | jmasters@fws136.intel.com

From 6266639102322820049
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bc4ba2dc50ec65c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,1bc4ba2dc50ec65c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-01-25 23:08:39 PST
Path: gmdzi!unido!mcsun!uunet!bonnie.concordia.ca!news-server.csri.toronto.edu!
cs.utexas.edu!asuvax!mcdphx!citek.mcdphx.mot.com!hbg6
From: hbg6@citek.mcdphx.mot.com
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re:Flux Gate Compass
Message-ID: <14464@mcdphx.phx.mcd.mot.com>
Date: 25 Jan 91 15:54:24 GMT
Sender: listen@mcdphx.phx.mcd.mot.com
Reply-To: hbg6@citek.mcdphx.mot.com
Followup-To: sci.electronics
Organization: Motorola Microcomputer Division, Tempe, Az.
Lines: 29
Xref: gmdzi sci.electronics:11077 rec.ham-radio:19862
Summary:
Expires:
References:<541@cow.ecs.oz> <4346@kitty.UUCP>
Sender:
Followup-To:

```
Distribution:

In article <4346@kitty.UUCP> larry@kitty.UUCP (Larry Lippman) writes:
>    For further information on flux gate devices, you might wish
>to try a flux gate manufacturer, such as Humphrey, Inc. or Sperry
>Navigation Systems.
>
Or:  KVH Industries, Inc.
     850 Aquidneck Avenue
     Middletown, RI., 02840
     (401)847-3327

products include:

     Toroidial Fluxgate Sensor Coil        $100
     Toroidial Fluxgate Sensor coil w/gimbal   $125

     up to a complete digital compass with RS-232 output
     for around $1000
(note: these prices are old)

Good Luck,
John

......................................................................
reply to 'from' address; hbg6@citek.mcdphx.mot.com
NOT the 'sender' line address!
Someday my sysadm will decide this is a 'real' problem. :-)
......................................................................
All opinions expressed are mine and not Motorolas, their loss.
......................................................................


From -7318563982648929766
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,22b326962d6709c2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-25 23:21:11 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!spool2.mu.edu!sdd.hp.com!
ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: sex and cw
Message-ID: <682@chiton.ucsd.edu>
Date: 25 Jan 91 18:57:01 GMT
References: <1991Jan25.140515.17568@lonex.radc.af.mil>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 46

In article <1991Jan25.140515.17568@lonex.radc.af.mil> frankjo@lonex.radc.af.mil
(Joseph W. Frank) writes:
```

> Personally, I
>find computer generated cw easier, more enjoyable, and much
>more precise [C.A.A.I. may be too!!]. The statement also
>seems to imply that cw done by hand is the only way, or the
>right way. Again, I think not. It may be your way, or the
>traditional way, but not the only way.

One thing I have found to be true since using a PK-232 to copy code is that it is the best way to improve code reception by ear. In fact I'm so impressed with the results of watching the screen display while listening to the audio code that I would say that this technique is a major breakthrough for those trying to improve their code speed. There is an unconcious connection made between the words coming out on the screen and the sound of the word in CW that trains the ear rapidly to make the same association when later one justs listens to the code without the screen. Try listening to the ARRL bulletins and code practice sessions while looking at the words on the screen. I was amazed at the results.

It also does one thing that I think is very exciting. It opens the door to activity on the CW bands to those who cannot yet copy the majority of QSO's going on. Anyone with a PK-232 or similar TNC can jump right in and enjoy what is happening on the CW bands while at the same time training their ear for higher and higher speeds. If they use a keyboard, they can jump right in and become an instant CW OP. Sound strange coming from an OF key banger? Not really By getting on the air any way they can they will be getting involved in what is happening on the CW bands, meeting some of the great, friendly people that hang around there and at the same time constanly raising their code speed painlessly while having fun at the same time. I don't look at code reading TNC's as a crutch but, rather, as excellent training machines. If the end result is another OP who feels as much at ease on CW as any of the many other modes, the machine has done its job. Whether you use a key or a keyboard, you are on the air improving your operating skills and having a good time.

Inevitably the lure of sending effortless code with a beautiful chrome Bencher key will seize the poor sucker by the throat and a new addict to the outmoded mode will be born....B-) B-) B-)

AA6PN

--
richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From -3453984490401066057
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b87540a221fe9412
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6895cc1d927519c,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 105d97,6895cc1d927519c,start

X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-01-25 23:27:33 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!lll-winken!elroy.jpl.nasa.gov!usc!julius.cs.uiuc.edu!apple!autodesk!abeals
From: abeals@Autodesk.COM (Only 334 more shopping days until Christmas)
Newsgroups: rec.ham-radio,rec.radio.shortwave,sci.electronics
Subject: How to get a No-Code Technician Ham license
Keywords: easy, Valentine's Day
Message-ID: <2295@autodesk.COM>
Date: 25 Jan 91 20:42:00 GMT
Sender: news@Autodesk.COM
Followup-To: rec.ham-radio
Lines: 116
Xref: gmdzi rec.ham-radio:19864 rec.radio.shortwave:3865 sci.electronics:11079

[I have set the followup-to header to rec.ham-radio]

[Um, if you're not in the Bay Area, you should check with your local hams and or electronics stores to find out information on testing]

Summary:

Yes, as of 14 February 1991, you can now get an amateur [ham] radio license without having to learn Morse code!

Take your test[s] now, avoid the rush. Easier than the SAT.

Cost for the test is $5.25 Cost for study materials ranges from $0.00 [if you get the "ham stacks" off of apple.com and have a mac] to somewhere in the neighborhood of $16.00

Details:

The ARRL [Amateur Radio Relay League] petitioned the FCC [Federal Communications Commission] in 1989 for a new class [a modified Technician] of license ham license, to be dubbed the "Communicator". The FCC decided to remove the 5WPM Morse code from the current Technician license and restrict Novice HF ["high frequency" - to you and I, shortwave] privileges to only those people who have passed a 5WPM exam. [The FCC calls it "Element 1A".]

So, what do you get?
    Full privileges on all the VHF, UHF and microwave ham bands above 30MHz.

What does this mean?
    International communication on the 6m band when conditions are right.
    Local communications on the popular 2m and 440MHz bands.
    More local communications on the other UHF bands.
    Satellite communications. Satellite "voice mail" is apparently coming soon - leave your message when it's over you and your friend on the other side of the planet can pick it up when

it's over her. Use an amateur satellite as a "repeater".
Talk to the hams on the Mir space station! [There appears to be at least one ham on Mir all the time these days.]
Talk to the hams when they fly on the space shuttle.
Bounce your signals off of the moon for long-range conversations.
Use a large temperature inversion to your advantage.
Packet radio [TCP/IP] at various speeds [mostly slow right now, but it will get faster]
Use "repeaters" to extand your working range. If you're in the Bay Area and are patient enough, you can set up links from Baja California to British Columbia.

What do you have to do?

Pass two exams - Elements 2 and 3a. The Novice written exam [Element 2] is 30 multiple-choice questions taken from a pool of about 350 questions. The Technician written exam [Element 3a] consists of 25 questions out of a pool of about 250 questions. You need to get a score of 73% or better in order to pass. The Novice exam costs nothing to take and if you want to take any more exams, it costs $5.25 per testing session [take as many tests as you like, so long as you do them in order and keep passing].

How do you learn the material?

Buy a book -- the ARRL publishes license manuals that run about $8 each. Or, if you can't find the license manuals [Ham Radio Outlet in Oakland or Burlingame, almost any electronics parts shop, maybe even Cody's or Stacy's] in a regular store, you can go to any Radio Shack and buy their license manuals, which are maybe even better [for your purpose] than the ARRL manuals. Make sure that you get a book that is still valid - it should say something like "Material good until <some date>" on the cover.

Study the tests. The book may say "Don't start here", but why not? Your objective at the moment is to learn the material that will be presented on the exam and the correct answers. There are some trick questions - you want to learn those. Some questions will have obvious answers - this is good as it means you don't have to stuff those answers into your memory. Play with the ham stacks if you have a macintosh [if you have a PC clone, you can get practice test software from SIMTEL]. Practice practice practice until you have it down pat.

Find a testing center. Phone (408) 255-9000 for the Sunnyvale VEC which gives you locations and contact phone numbers for when and where you can take your exams. Phone (408) 984-8353 for the ARRL VEC.

When can you take your test? Well, definitely on 14 February you can get everything done in one day by going to the Sunnyvale VEC's special exam date. The ARRL VEC, in Cupertino, will let you take your tests now [well, first Saturday of February] and hold your "Form 610" [your license application to the FCC] until the 14th and then send it in. If you find a VEC that won't send in your form 610 right now, take elements 2 and 3a anyway - they'll give you a CSCE form that says that you passed those two elements and it's good for a year. Then, you can take your CSCE to someone on or after the 14th and they will have you fill out a form 610 which will be sent to the FCC.

Then what?

Wait 4-6 weeks for the FCC to process your form and STUDY THE BOOKS! You want to know what the proper procedures are - this is not CB radio where anything goes. As you'll find out on your exam, there are strict rules and good practices to be followed, sort of like when you join a mailing list.

If you need more information, please don't hesitate to call me. I may not be an expert, I may not even be licensed yet [passed my two exams this past Saturday], but I have what I hope is good information.

GOOD LUCK!

    Andy Beals
    415 289 4850
--
Andrew Scott Beals
abeals@autodesk.com

From 3827225888645793051
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,491d1a426754cddd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-26 01:15:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!crackers!jjmhome!km3t
From: km3t@jjmhome.UUCP (Dave Pascoe KM3T)
Newsgroups: rec.ham-radio
Subject: Hams to visit in Hawaii?
Message-ID: <9540@jjmhome.UUCP>
Date: 25 Jan 91 21:00:56 GMT
Lines: 8

I'll be visiting Hawaii at the end of February on a business trip and I'd like to visit some of the locals and get some operating time in. Does anyone know any hams on Hawaii (preferably near Hilo but it doesn't matter) with HF capability who I might be able to visit?
--
Dave Pascoe | Internet: km3t@jjmhome.m2c.org
KM3T/ZF2PT | UUCP: km3t@jjmhome.UUCP

From 644459642910678245
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,213adfcec3c2dbeb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,213adfcec3c2dbeb
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-26 01:31:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ncar!hsdndev!
spdcc!ima!dirtydog!trb
From: trb@ima.isc.com (Andrew Tannenbaum)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Numbers lady on 30 meters
Message-ID: <1991Jan25.173717.20077@dirtydog.ima.isc.com>
Date: 25 Jan 91 17:37:17 GMT
References: <1133.279D6A66@w8grt.fidonet.org>
<1991Jan23.170640.12281@mailer.cc.fsu.edu> <22886@ttidca.TTI.COM>
Sender: news@dirtydog.ima.isc.com (NEWS ADMIN)
Reply-To: trb@ima.isc.com (Andrew Tannenbaum)
Organization: Interactive Systems, Cambridge, MA 02138-5302
Lines: 17
Xref: gmdzi rec.ham-radio:19866 rec.radio.shortwave:3867

In article <22886@ttidca.TTI.COM> paulb@ttidca.TTI.COM (Paul Blumstein) writes:
> +With the onset of Desert Storm, I've noticed a sharp increase in activity on
> +the SW channels used by MOSSAD (Israel's version of the CIA).

> I have also seen reference somewhere (Monitoring Times?) to Mossad
> Frequencies. What puzzles me is that how does anyone know that it is
> the Mossad.

I don't think any random listener knows who it is. I do know that
when you're scanning around the short waves in Israel you pick up
that numbers lady all day and all night, starting every 15 minutes,
sometimes on as many as ten different frequencies (I did this during
the spring of '90). You also pick up a handful of other numbers
ladies, but this one that people call the Mossad lady seems most
prevalent.

Andrew Tannenbaum   Interactive   Cambridge, MA   +1 617 661 7474

From -4471434141450275109
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64f644b1f95e149e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-26 01:37:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
magnus.ircc.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!OSUCC.BITNET!AGENGCC
From: AGENGCC@OSUCC.BITNET
Newsgroups: rec.ham-radio
Subject: Mailer Screwed Up
Message-ID: <9101261030.AA08461@ucsd.edu>
Date: 26 Jan 91 09:37:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet

Lines: 93

At the risk of seeming ungrateful, I realize that publishing this thing is a royal pain, I am turning on the flame thrower for a bit.

I received a duplicate of Info-Ham 109. The headers of the two messages follow. I frequently receive duplicate messages in two sequential Info-Hams.

My account is billed about $50.00 dollars a month for Info-Hams. fortunately it is not real money, we are charged a minimum annual fee for the main frame and we don't use it all. I resent spending my time reading sexist remarks and Radio Shack bashing. I resent even more paying for it even with funny money. I also don't like technical stuff being cut out and only the header left. If the technical stuff is going to be cut, cut the header too or better yet send it to me and I'll collect it and post some where where us techy types can get it and not have to interrupt these serious flaming sessions.

Many of us need to be more conscious that some one some where is paying for our toy. If there are 1000 subscribers to this the billing would come to a half million a year. I realize that in a world where it cost 600 million a day to fight a war and were bailing out S&L's at a billion or two ahead the cost of Info-Hams isn't very much. I know that that the real cost is far less than than what I am billed but it still cost some amount per pound to ship this crap.

!! Flames off !!

Even though I had to explain to one of my bosses why his computer account was over drawn, Info-Hams is worth it to me. I find it a valuable resource for information. Any request for help generally returns a number of very helpful letters. It is the best research tool I have found for electronics related Information. I would like to find more news groups related to electronics, the C computer language and agriculture. I might even consider moderating one related to agriculture or 68HC11 computers.

My shields are up and my asbestos underwear is on. Your Shot.

73 N5QAQ Red Couger AGENGCC@OSUCC.BIT

The Duplicate Headers Follow.

```
Received: (from MAILER@SDSC for AGENGCC@OSUCC via NJE)
 (UCLA/Mail V1.410 M-MAILER-8462-1031); Fri, 25 Jan 91 21:13:53 CST
Received: from ucsd.edu by Sds.Sdsc.Edu via INTERNET ;
          Sat, 26 Jan 91 03:03:00 GMT
```

```
Received: by ucsd.edu; id AA02524
        sendmail 5.64/UCSD-2.1-sun
        Fri, 25 Jan 91 17:31:59 -0800 for mrm
Received: by ucsd.edu; id AA02483
        sendmail 5.64/UCSD-2.1-sun
        Fri, 25 Jan 91 17:31:40 -0800 for /usr/lib/sendmail -oc -odb -oQ/var/spo
ol/lqueue -oi -finfo-hams-relay info-hams-list
Message-Id: <9101260131.AA02483@ucsd.edu>
Date: Fri, 25 Jan 91 17:31:38 PST
From:     info-hams-relay%UCSD.EDU@SDSC.BITNET
        BITnet@UNKNOWN.DOMAIN(Info-Hams Mailing List and Newsgroup)
Reply-To: Info-Hams%UCSD.EDU@SDSC.BITNET
Subject: Info-Hams Digest V91 #109
To:       Info-Hams%UCSD.EDU@SDSC.BITNET


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Second header

Received: (from MAILER@SDSC for AGENGCC@OSUCC via NJE)
 (UCLA/Mail V1.410 M-MAILER-8464-1031); Fri, 25 Jan 91 23:39:25 CST
Received: from ucsd.edu by Sds.Sdsc.Edu via INTERNET ;
          Sat, 26 Jan 91 05:30:12 GMT
Received: by ucsd.edu; id AA02524
        sendmail 5.64/UCSD-2.1-sun
        Fri, 25 Jan 91 17:31:59 -0800 for mrm
Received: by ucsd.edu; id AA02483
        sendmail 5.64/UCSD-2.1-sun
        Fri, 25 Jan 91 17:31:40 -0800 for /usr/lib/sendmail -oc -odb -oQ/var/spo
ol/lqueue -oi -finfo-hams-relay info-hams-list
Message-Id: <9101260131.AA02483@ucsd.edu>
Date: Fri, 25 Jan 91 17:31:38 PST
From:     info-hams-relay%UCSD.EDU@SDSC.BITNET
        BITnet@UNKNOWN.DOMAIN(Info-Hams Mailing List and Newsgroup)
Reply-To: Info-Hams%UCSD.EDU@SDSC.BITNET
Subject: Info-Hams Digest V91 #109
To:       Info-Hams%UCSD.EDU@SDSC.BITNET


Info-Hams Digest            Fri, 25 Jan 91       Volume 91 : Issue 109


From -7178822229608335945
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,164c0a10aed2889e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,26e04b1898fecf10
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-01-26 07:03:26 PST
Path: gmdzi!unido!mcsun!uunet!munnari.oz.au!uhccux!ames!sun-barr!ccut!s.u-tokyo!
rkna50!nttlab!siva!will!kitagawa
```

From: kitagawa@will.ntt.jp (Masahiro Kitagawa)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Question about Vacuum Tubes.
Message-ID: <13652@will.ntt.JP>
Date: 26 Jan 91 15:03:26 GMT
References: <17660136@hpfcdj.HP.COM> <CKN+#9$@irie.ais.org>
<1991Jan11.051423.16498@athena.cs.uga.edu>
<1991Jan12.014729.12808@portia.Stanford.EDU> <36147@netnews.upenn.edu>
Sender: kitagawa@will.ntt.JP
Followup-To: sci.electronics
Organization: NTT Basic Research Labs., Tokyo, Japan
Lines: 26
Xref: gmdzi sci.electronics:11103 rec.ham-radio:19888
In-reply-to: krikori@eniac.seas.upenn.edu's message of 23 Jan 91 17:11:57 GMT

In article <36147@netnews.upenn.edu> krikori@eniac.seas.upenn.edu (Raffi Krikorian) writes:

```
 |     Does anyone know of a case(s) where someone was injured while using
 |a vacuum tube amplifier?
    ^^^^^^^^^^^^^^^^^^^^^^
```

If high power amplifiers in broadcast or ham radio stations are included, sure enough, there have been many injured and dead, as the plate voltages are ranging from KV to 10 KV. I heard the engineer at the radio station in Saipan Is. was dead about ten years ago by the accident.

I had built several high power amplifiers for ham radio and lab experiments in my school days. Fortunately I am still alive. But I will use Power MOS FETs next time as they need only 150 V to make KW.

As for audio amplifiers and radio receivers, the plate voltages are usually hundreds volts and not so fatal unless your hands are wet or sweat.

Anyway, be careful !

*--- **** ***-- *--* *-* *--
Masahiro Kitagawa
NTT Research Labs. Tokyo Japan
kitagawa@will.ntt.jp

From 7245579824997879090
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,556ad901e018dc61,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-26 07:19:48 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!lavaca.uh.edu!menudo.uh.edu!lobster!urchin!f8324.n106.z1.fidonet.org!Christopher.Boone
From: Christopher.Boone@f8324.n106.z1.fidonet.org (Christopher Boone)

Newsgroups: rec.ham-radio
Subject: Re: wireless video extenders (insides?)
Message-ID: <6403.27A20D9F@urchin.fidonet.org>
Date: 26 Jan 91 15:19:48 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8324 - Far Point Relay Ham, Katy Tx
Lines: 28

** Quoting Willie Smith to All **
 >From: smith@sndpit.enet.dec.com (Willie Smith)
 >Date: 23 Jan 91 13:47:29 GMT
 >Organization: Digital Equipment Corporation
 >Message-ID: <738@sousa.enet.dec.com>
 >Universal "Inner
 >View" [The DAK Pirate TV Station] video extender. They are
 >DSB (we don't
 >want to spend money on no stinking VSB filters, now do we?
 >:+) at 10 mW
 >output, and have an advertized range of 100 feet. I've got
 >one, and it's
 >more like:
 >
 >So I don't see them selling a lot of them and filling the ham
 >bands with
 >noise. I'm thinking of adding a better receive antenna and
 >after I get my
 >Technicode license a better transmit antenna and maybe an amplifier,
 >but
 >then maybe I'll save the money and time and go with a few watts
** End of Quote **
I hope if you do put on of those DAK units on the air, YOU will invest in a
VSB filter!!! :).......I wish everyone who had bought the noisy PC Electronics
stuff on 440 would have done the same!!
ATV Without a VSB filter = shoot the operator!!!
73
WB5ITT

From -5222819618767176755
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,48adfaeaa8bdf84,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-26 07:23:29 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!lavaca.uh.edu!menudo.uh.edu!lobster!urchin!f8324.n106.z1.fidonet.org!Christopher.Boone
From: Christopher.Boone@f8324.n106.z1.fidonet.org (Christopher Boone)
Newsgroups: rec.ham-radio
Subject: Re: FCC regs on low-powered FM transmitter
Message-ID: <6404.27A20DAA@urchin.fidonet.org>
Date: 26 Jan 91 15:23:29 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8324 - Far Point Relay Ham, Katy Tx

```
Lines: 5

Try using FM on carrier current (aka: Pipe it into the AC lines!) that will
rpobably meet the reuqirement and still have decent signal throughout the
building...
73
WB5ITT


From 2066883724945799472
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eff81f6cc82d3107
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-26 07:26:05 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-
state.edu!lavaca.uh.edu!menudo.uh.edu!lobster!urchin!f8324.n106.z1.fidonet.org!
Christopher.Boone
From: Christopher.Boone@f8324.n106.z1.fidonet.org (Christopher Boone)
Newsgroups: rec.ham-radio
Subject: Re: BFO for AM
Message-ID: <6405.27A20DB5@urchin.fidonet.org>
Date: 26 Jan 91 15:26:05 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8324 - Far Point Relay Ham, Katy Tx
Lines: 31

** Quoting Dan Pritchett to All **
 >Newsgroups: rec.ham-radio
 >
 >
 >I'm looking at building a receiver that is in the 1991 ARRL
 >Handbook.
 >I think I understand everything that is identified in the schematics
 >and text, but I'm a little confused on the demodulation circuit.
 >The
 >receiver is currently designed to support CW, USB, and LSB,
 >but I would
 >also like to include AM so I can use it for SW reception as
 >well as
 >future ham use. It would appear that all I need to do is add
 >an additional
 >BFO circuit that I switch in, but after going through the book
 >a couple
 >of times I'm having a hard time finding a circuit to help me
 >with this.
 >
 >Can someone point me in the right direction in terms of references?
 >
 >Thanks in advance for any help. My apologies if this is a simple
 >question
 >but my brain is really rusty on this non-digital stuff.
** End of Quote **
NO, you turn OFF the BFO for AM reception........and turn it on for carrier
```

reinsertion for SSB and CW reception.....Try that and see if it works..I dont
have the 91 handbook to look at the schematic...
73
WB5ITT

From -8551855906483565665
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2df598be087247eb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-26 07:28:57 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-
state.edu!lavaca.uh.edu!menudo.uh.edu!lobster!urchin!f8324.n106.z1.fidonet.org!
Christopher.Boone
From: Christopher.Boone@f8324.n106.z1.fidonet.org (Christopher Boone)
Newsgroups: rec.ham-radio
Subject: Comet antennas, diplexers
Message-ID: <6406.27A20DC0@urchin.fidonet.org>
Date: 26 Jan 91 15:28:57 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8324 - Far Point Relay Ham, Katy Tx
Lines: 7

I left a message here sometime ago on the above subject but the USEnet feed to
the bbs I use went down for a short while and I did not get any replies...If
you did mail some reply to me earlier, please do it again! I would appreciate
your comments on Comet...I have purchased a 2X4FZ dualbander (the short model)
and a diplexer and triplexer....
Tnx and 73
WB5ITT

From -3077875869443149628
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,51bac63e69662268,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-26 07:42:00 PST
Path: gmdzi!unido!mcsun!uunet!fernwood!decwrl!elroy.jpl.nasa.gov!usc!ucsd!ucbvax!
SPLAVA.CC.PLATTSBURGH.EDU!WHEELEFF
From: WHEELEFF@SPLAVA.CC.PLATTSBURGH.EDU (Hap Wheeler)
Newsgroups: rec.ham-radio
Subject: Icom Service Manual needed
Message-ID: <9101261537.AA26694@ucsd.edu>
Date: 26 Jan 91 15:42:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7

Does anyone out there know where I can find a copy of the IC-730 Service Manual?
Icom says that the manual is no longer available. I will gladly pay any expense
or reasonable cost.

Hap Wheeler KA2TCQ

wheeleff@splava.cc.plattsburgh.edu

"Magic is real.....Unless declared as integer" Wiz Zumwalt

From 4400206746857526874
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,77cf87b354e7eab
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-26 09:38:42 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: POTENTIAL MAJOR FLARE WARNING - ATTENTION
Message-ID: <1151.27A172EC@w8grt.fidonet.org>
Date: 26 Jan 91 17:38:42 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 17

> From: jmasters@fxrs.intel.com (Justin Masters)
> Message-ID: <307@fxrs.intel.com>
>
> I am new to this newsgroup. What harm/benefit does a solar flare bring?

They greatly affect radio wave propagation by ionospheric refraction. Under some circumstances they can shut shortwave propagation down totally. I can recall one extreme case a dozen years ago in which propagation on the amateur 75 meter band was 'line of sight' just like UHF. I was running 1 kw and could not be heard more than about 10 miles. Within that range I was very loud. Paradoxically, I 'got out' farther running 10 watts on two meters.

--
Jim Grubs - Support OPERATION DESERT STORM - the 9th Crusade!
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -7114031229041006308
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,22b326962d6709c2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-26 09:47:59 PST
Path: gmdzi!unido!mcsun!uunet!olivea!samsung!umich!vela!swood
From: swood@vela.acs.oakland.edu (EVENSONG)
Newsgroups: rec.ham-radio
Subject: Re: sex and cw
Message-ID: <4875@vela.acs.oakland.edu>
Date: 26 Jan 91 17:47:59 GMT
References: <1991Jan25.140515.17568@lonex.radc.af.mil>
Reply-To: swood@vela.acs.oakland.edu (Scott Wood - EVENSONG)
Organization: Oakland University, Rochester MI
Lines: 10

As a continuation of the analogy, and the no-code license. Imagine if you had to pass a sexual test before you could have kids. Well, you would have to be damn good!!!

swood

```
--
 ---- Insert favorite .signature here ----     | swood@argo.acs.oakland.edu
                            | swood@vela.acs.oakland.edu
Bitnet:       swood@Oakland          | swood@unix.secs.oakland.edu
  UUCP:       ...!uunet!umich!{vela, argo, unix, nucleus}!swood
```

From -8488726955402584762
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bf8fad02862084aa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-26 11:17:09 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: MAJOR SOLAR FLARE ALERT - POWERFUL EVENT (25 JANUARY)
Message-ID: <910126121709.29e01ed4@HG.ULeth.CA>
Date: 26 Jan 91 19:17:09 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 93

-- MAJOR SOLAR FLARE ALERT --

JANUARY 25, 1991

Flare Event Summary
Potential Impact Forecast

MAJOR ENERGETIC EVENT SUMMARY

A very powerful major energetic event ripped off the eastern limb of the sun on 25 January. The flare, rated a powerful class X10.8/SF flare began at 06:23 UT on 25 January. It peaked at an x-ray level of X10.8 at 06:35 UT and held at an X10 level for 17 minutes. This event ended at 09:51 (a long duration event). The flare was associated with strong Type II and Type IV sweep frequency events and was also associated with strong radio emissions. A burst of 57,000 s.f.u. was observed at 245 MHz. The burst at 10 cm was 3,500 s.f.u. The location of this flare was S16E78.

The region responsible for this exceedingly powerful event is Region 6471 (near S13E61). This region is very complex and is large in area.

Magnetic gradients in this regon are also high. Major flaring from this region is likely. The potential impacts of this flare are stated below.

In addition to Region 6471, Regions 6466 and 6462 (now nearing the central meridian) also retain very complex parameters and high magnetic gradients. Any of these three regions could produce major energetic flares which could include proton flares. The probability for further X-class and/or proton flares from these regions has been increased, particularly with the appearance of Region 6471 on the east limb. The solar flux has responded to the enormous jump in activity and is now recorded at a level of 283. The background x-ray flux has jumped to levels in excess of class C2.0. The sunspot number has likewise jumped and is now estimated at a value between 240 to 260 (observations are not yet all in).

The regions now on the disk represent a very serious increase in solar activity. The risk for major flaring, proton flaring, satellite proton activity and Polar Cap Absorption activity is high. The Space Environment Services Center is maintaining a condition YELLOW alert status for possible PCA activity. This recent flare did not produce any significant increases in solar protons, but the position of this flare was too far east for solar protons to seriously impact with the earth. As Region 6471 approaches the central meridian, and as Regions 6466 and 6462 move into the western hemisphere, the risk for proton bombardments will increase.

POTENTIAL TERRESTRIAL IMPACT FORECAST

The recent class X10.8/SF major flare is expected to produce a low to moderate impact with the earth sometime on 28 January. It will likely only produce active conditions, but many area's could experience minor storming. The long duration minor flare of 24 January is expected to produce some increased activity today or possibly into tommorrow. There are conflicting reports that the activity from this minor flare may have already impacted with the earth. However, at the present time, we still believe the shock (if one does indeed materialize) is still on its way and should reach the earth sometime today or early tommorrow (27 January), UT time.

There is a chance that a shock from the class X10.8 flare may not have an impact with the earth. This flare occurred relatively far away on the eastern limb, and hence the probability for terrestrial impacts is much lower than it would be if the flare would have occurred nearer to the central meridian. But it's association with strong Type II and IV sweeps is indicative of a coronal mass ejection which could have an impact with the earth, depending on the trajectory of the plasma cloud.

People should be on the alert for potential increases in geomagnetic activity over the next 24 hours, and again late on 27 January through to about 29 January. Impacts shouldn't be too strong (unless some other powerful flare occurs from Regions 6466 or 6462), but middle latitude minor storming is a possibility.

Major flares are still possible (if not likely) over the next 24 to 48 hours. Proton flaring is possible, as is potential PCA activity. Radio

communications may experience significant long-duration fadeouts on HF bands if major flares occur. Affected area's will be restricted to the sunlit hemisphere, and will include mostly the low and middle latitudes.
SID's/SWF's of more minor intensity are also expected as M-class flaring increases. Night-time propagation should be mostly normal if effects from the minor M-class flare of 24 January do not materialize or are smaller than expected. Propagation on 28 January is expected to become somewhat degraded.
VHF propagation via D-layer reflection is possible during periods of major flaring. Also, the MUF has increased over the past 48 to 72 hours and may provide some openings on 6 meters.

Watch for possible future major flare alerts and/or possible geomagnetic storm alerts.

** End of Report **

From -5661134940172577546
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,22b326962d6709c2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-26 12:21:04 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!Jim.Grubs,.W8GRT
From: Jim.Grubs,.W8GRT@w8grt.fidonet.org (Jim Grubs, W8GRT)
Newsgroups: rec.ham-radio
Subject: sex and cw
Message-ID: <1152.27A19B51@w8grt.fidonet.org>
Date: 26 Jan 91 20:21:04 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 19

> From: swood@vela.acs.oakland.edu (EVENSONG)
> Date: 26 Jan 91 17:47:59 GMT
> Organization: Oakland University, Rochester MI
> Message-ID: <4875@vela.acs.oakland.edu>
> Newsgroups: rec.ham-radio
>
> As a continuation of the analogy, and the no-code license. Imagine if
> you had
> to pass a sexual test before you could have kids. Well, you would have
> to be
> damn good!!!

I thought having kids WAS the test.

--
Jim Grubs, W8GRT - Support OPERATION DESERT STORM - the 9th Crusade!
UUCP: ...!uunet!w8grt!Jim.Grubs,.W8GRT
INTERNET: Jim.Grubs,.W8GRT@w8grt.fidonet.org

From 7793641015131393338
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ec4f84b135cad492,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-26 13:02:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!OSUCC.BITNET!AGENGCC
From: AGENGCC@OSUCC.BITNET
Newsgroups: rec.ham-radio
Subject: Mailer Screwed Up Part 2
Message-ID: <9101262110.AA20145@ucsd.edu>
Date: 26 Jan 91 21:02:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 3

I got 3 fo 110.
Red Couger N5QAQ

From 7010305321912253065
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1812c26802dff809,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-26 13:18:56 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!lynx.northeastern.edu!sehrlich
From: sehrlich@lynx.northeastern.edu
Newsgroups: rec.ham-radio
Subject: Hts
Message-ID: <memo.705449@lynx.northeastern.edu>
Date: 26 Jan 91 21:18:56 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15

I've almost settled on purchasing the Yaesu FT-470, but have heard many people mention the Kenwood TH-77A. Could someone please review the advantages/disadvantages of these two models for me? I have info. on the 470 from some people. What I would like is for someone to say something like "The FT-470 can do...','but the Th-77A can only go as far as...'. 'The TH-77A can do...', but the FT-470 can only do...'" Know what I mean? Something like a side-to-side showdown of the two.

Thanks much for any info. relating to these two models that anyone can provide. Please don't forget current prices (i.e. How much stores are selling the models for).

73s de KA1WNU
Scott (sehrlich@Lynx.northeastern.edu)

From 8351309872766658977
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca75ee73db6d8af7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-26 13:40:20 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!magnus.ircc.ohio-state.edu!rdixon@magnus.ircc.ohio-state.edu
From: Bob_Dixon@osu.edu
Newsgroups: rec.ham-radio
Subject: Digital Readouts for analog receivers
Message-ID: <CMM.0.90.2.664926020.rdixon@magnus.acs.ohio-state.edu>
Date: 26 Jan 91 21:40:20 GMT
Sender: Bob Dixon <rdixon@right.magnus.ircc.ohio-state.edu>
Reply-To: Bob_Dixon@osu.edu
Organization: The Ohio State University
Lines: 22

I question the accuracy of the external add-on digital readouts available on the market. Although they may display many digits, they cannot be accurate unless they measure the frequency of ALL oscillators within the receiver, and then combine them to calculate the received frequency.
If they just measure the variable oscillator and assume that the crystal-controlled oscillators are on frequency, they can be off by several khz.
Of course one may be able to "adjust" the readout to compensate for this, but then it has to be redone for each band and is hence no better than recalibrating the analog dial each time.
I'd be interested to know how the various models available actually deal with this problem.

A related problem for ALL digital displays is what does the displayed frequency really mean for a cw signal? Is it correct when the beat note is tuned to zero? If so, its not very useful since you can't hear the signal then. To be correct, it should take into account the bfo frequency and the center frequency of the filter being used. Do any displays do that?
Since most receivers with digital displays do not have crystal calibrators, there is no simple way to answer this question without an external signal source of known frequency.

Bob W8ERD

From 8758441209876970340
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,19050e2fdff85b6c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,19050e2fdff85b6c,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,19050e2fdff85b6c,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,19050e2fdff85b6c,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1991-01-26 13:51:01 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!p2.f73.n374.z1.fidonet.org!Wayne.Sarosi

From: Wayne.Sarosi@p2.f73.n374.z1.fidonet.org (Wayne Sarosi)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.shortwave
Subject: Amateurs vs MIL-FREQs
Message-ID: <1153.27A1B0B3@w8grt.fidonet.org>
Date: 26 Jan 91 21:51:01 GMT
Sender: ufgate@w8grt.fidonet.org (newsout1.26)
Organization: FidoNet node 1:374/73.2
Lines: 48
Xref: gmdzi rec.ham-radio:19901 rec.ham-radio.packet:3464 rec.ham-radio.swap:940 rec.radio.shortwave:3887

******************** MILITARY RADIO OPERATIONS ********************

I'm passing this along to the Amateur Operators here on the echo. There has been a rash of patriotic amateurs operating on the military frequencies and on the MARS frequencies. Although the intention of the amateurs on the frequencies are good, their activites on these frequencies are prohibited.

****

On CNN, there was an operator from NYC operating on 11.176MHz using his amateur call, contacting a MAC flight headed to the war zone.

****

Please keep from transmitting on the military and MARS frequencies as it interfers with operations.

****

The other day we had an amateur asking for a signal report on a MARS phone patch frequency, while a patch was in progress. He was more than 50KHz out of band and caused some confusion between the serviceman and his family. Put yourself in the serviceman's shoes and how you would view the situation.

****

If you know of anyone doing this, please ask them to listen only. You can SWL all you want, just refrain from keying up, please.

****

If you are interested in helping, contact the MARS operators in your area and take the training for your certificate.

Thanks for your time. KB4YLY / AFA2GN

--- XRS 3.30+ (286)
 * Origin: The Bear's Cave, Titusville, FL (407)383-9372 (1:374/73.2)

--
Wayne Sarosi - Support OPERATION DESERT STORM - the 9th Crusade!
UUCP: ...!uunet!w8grt!374!73.2!Wayne.Sarosi
INTERNET: Wayne.Sarosi@p2.f73.n374.z1.fidonet.org

From -4198991291375062281
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,25c3d4409f2bb4ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-26 14:44:48 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!cs.utexas.edu!convex!texsun!west!sunburn.West.Sun.COM!flloyd
From: flloyd@sunburn.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242)
Newsgroups: rec.ham-radio
Subject: Re: I bought it!
Message-ID: <1353@west.West.Sun.COM>
Date: 26 Jan 91 22:44:48 GMT
References: <1343@west.West.Sun.COM> <910@wells.UUCP>
Sender: news@west.West.Sun.COM
Organization: Sun Microsystems, Mt. View, Ca.
Lines: 34

In article <910@wells.UUCP> k3tx@wells.UUCP (Dave Heller) writes:
>
>AA7BQ reviewed all the bells and whistles about
>a new Kenwood.
>
>Seems he forgot one thing: does it receive and
>transmit, the former especially, any better than
>the ts430, ts440, ts940? I sure hope it's some
>improvement, especially in the built-in phase
>noise department. Sure a lot of Kenwoods have
>been sold --- the *power* of *advertising* I
>guess.

It's not that I forgot anything... as I stated in the artile, I had only owned the thing for a few hours before I wrote the article. Not what I've spent some time on it, I can say that it definately receives better than the 440. I can't tell you about phase noise, because I'm not in a position to measure it. I'll leave that up to the ARRL labs... My overall impression is that it sounds wonderful! The filters are really nice and the slope tuning is fully functional to the point where I don't miss the lack of an IF shift or PBT at all.

BTW, I'll bet you're not a Kenwood person (HI, just kidding, I wouldn't want to start a brand name war here :-).

-fred

```
--
| Fred Lloyd  AA7BQ                        Fred.Lloyd@West.sun.com |
| Sun Microsystems, Inc.                                ...sun!flloyd |
| Phoenix, AZ       (reality -- what a concept!)    (602) 275-4242 |
```

From -6967561411549720557
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4a9d4e0de01c569
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-26 15:07:18 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!elroy.jpl.nasa.gov!zardoz.cpd.com!dhw68k!emmayche
From: emmayche@dhw68k.cts.com (Mark Hartman)
Newsgroups: rec.ham-radio
Subject: Re: DANGER in sexless Standard 12V DC Connectors
Message-ID: <1991Jan26.230718.17827@dhw68k.cts.com>
Date: 26 Jan 91 23:07:18 GMT
References: <9101231752.AA02359@ucsd.edu>
Organization: Wolfskill & Dowling residence; Anaheim, CA (USA)
Lines: 13

faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269) writes of his concern
for genderless 12VDC connectors.

The nice thing about PowerPoles is that they're gangable (in other words,
they link together side-to-side) and color coded.

We've never had a problem.

```
--
Mark Hartman, N6BMO           "What are you just standing there for?  Where
Applelink: N1083 or BINARY.TREE      do you think you are, DIS-ney World??"
Internet: emmayche@dhw68k.cts.com                -- General Knowledge, from
uucp: ...{spsd,zardoz,felix}!dhw68k!emmayche                CRANIUM COMMAND
```

From 5160770577783407206
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4a9d4e0de01c569
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-26 16:23:04 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!lll-winken!elroy.jpl.nasa.gov!usc!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: DANGER in sexless Standard 12V DC Connectors
Message-ID: <1991Jan27.002304.26902@ux1.cso.uiuc.edu>
Date: 27 Jan 91 00:23:04 GMT
References: <1991Jan21.070246.23768@ux1.cso.uiuc.edu> <15780014@hprnd.rose.hp.com>

Organization: University of Illinois at Urbana
Lines: 19

billt@hprnd.rose.hp.com (Bill Thomas) writes:

>I do not know why this connector was chosen over others. The most apparent
>advantages are that there is no gender problem and it is intuitively obvious

I see it as a DISADVANTAGE to lack the gender feature.

>which contact is plus, i.e. the red one. Since this connector is being

As long as you have light. Try hooking up the lights.

>used state wide, anything which reduces the chance that one department,
>county, or service district would do something backwards from everyone else
>is eliminated. Some of these entities are more than than 500 miles from
>each other.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -6440130896736895370
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8163a0129de4dc0e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-26 16:27:37 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!emory!samsung!
uakari.primate.wisc.edu!sdd.hp.com!news.cs.indiana.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Pizza databases (was Re: Radio Shack bashing)
Message-ID: <1991Jan27.002737.27455@ux1.cso.uiuc.edu>
Date: 27 Jan 91 00:27:37 GMT
References: <5295@husc6.harvard.edu> <38228@cup.portal.com> <130@acestes.UUCP>
<1183@ai.cs.utexas.edu>
Organization: University of Illinois at Urbana
Lines: 23

siddarth@cs.utexas.edu (Siddarth Subramanian) writes:

>The Pizza Huts here in Austin seems to have a complete database of
>everyone who's ordered pizzas from them keyed on the phone number.
>When you call their centralized order taking service, they ask for
>your phone number and based on that, they can pull up your name,
>address and details of every pizza you've ordered in the past!

>It's convenient... I often just call and tell them to send me the same
>as what I had the last time. Still, one wonders: what do they do with
>all that information? What kind of fast food mailing lists am I going
>to be on? What can people do with the knowledge that I like large

>supreme pizzas with a pan crust and I order them about once a month?
>The mind boggles. (Partially :-)

And anyone else can call them up, given them your phone number, and ask
them for the same thing as the last time.

...until the caller indentification gets installed.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 7613185196913868768
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a1b85ad262d67b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-26 16:29:53 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!emory!samsung!sdd.hp.com!news.cs.indiana.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: WHAT'S THE BEST RIG FOR VHF/UHF?
Message-ID: <1991Jan27.002953.27709@ux1.cso.uiuc.edu>
Date: 27 Jan 91 00:29:53 GMT
References: <9101231327.AA05339@ucsd.edu>
Organization: University of Illinois at Urbana
Lines: 12

MROWEN@STLAWU.BITNET (Mike Owen W9IP) writes:

>and transverter in front, each with about 20-db gain. This gain
>subtracts directly from the IMD dynamic range, so the '940 thinks it
>has a 40-db amplifier in front - consequently its 3rd-order intercept
>becomes about -35dbm. Yikes! Even if you skip the preamp, it will

Insert an attenuator.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 8078293929322140789
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64f644b1f95e149e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-26 16:51:07 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!news.cs.indiana.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Mailer Screwed Up

Message-ID: <1991Jan27.005107.106@ux1.cso.uiuc.edu>
Date: 27 Jan 91 00:51:07 GMT
References: <9101261030.AA08461@ucsd.edu>
Organization: University of Illinois at Urbana
Lines: 80

AGENGCC@OSUCC.BITNET writes:

>I received a duplicate of Info-Ham 109. The headers of the two
>messages follow. I frequently receive duplicate messages in two
>sequential Info-Hams.

Your duplicate was because ucsd.edu sent it to sds.sdsc.edu twice.

```
>Received: from ucsd.edu by Sds.Sdsc.Edu via INTERNET ;
>          Sat, 26 Jan 91 03:03:00 GMT
>Received: by ucsd.edu; id AA02524
>        sendmail 5.64/UCSD-2.1-sun
>        Fri, 25 Jan 91 17:31:59 -0800 for mrm

>Received: from ucsd.edu by Sds.Sdsc.Edu via INTERNET ;
>          Sat, 26 Jan 91 05:30:12 GMT
>Received: by ucsd.edu; id AA02524
>        sendmail 5.64/UCSD-2.1-sun
>        Fri, 25 Jan 91 17:31:59 -0800 for mrm
```

This kind of thing can still happen if the mailer receiving the mail goes ahead and put it in the mail queue, but delays replying to the sending mailer long enough to lose the connection. Upon a lost connection without having seen a confirmation that the message was delivered, it is requeued for redelivery. The message-ids were:

```
>Message-Id: <9101260131.AA02483@ucsd.edu>
>Message-Id: <9101260131.AA02483@ucsd.edu>
```

and if your system had anything to detect duplicates, it could have detected them. Any system which bills you for INCOMING mail definitely SHOULD have such a detection system, with message-ids queued for 3 days at least.

>My account is billed about $50.00 dollars a month for Info-Hams.
>fortunately it is not real money, we are charged a minimum annual
>fee for the main frame and we don't use it all. I resent
>spending my time reading sexist remarks and Radio Shack bashing.
>I resent even more paying for it even with funny money. I also
>don't like technical stuff being cut out and only the header
>left. If the technical stuff is going to be cut, cut the header
>too or better yet send it to me and I'll collect it and post some
>where where us techy types can get it and not have to interrupt
>these serious flaming sessions.

I agree that there is a high noise level on the group, but where do you draw the line that will satsify all, considering that most people do not have the "incoming billing" problems.

>Many of us need to be more conscious that some one some where is
>paying for our toy. If there are 1000 subscribers to this the
>billing would come to a half million a year. I realize that in a
>world where it cost 600 million a day to fight a war and were
>bailing out S&L's at a billion or two ahead the cost of Info-Hams
>isn't very much. I know that that the real cost is far less than
>than what I am billed but it still cost some amount per pound to
>ship this crap.

But when one has something to say and a means to say it, they say it.

It might be better if people had to PAY TO POST. Freedom of speech
does not mean speech is free of cost, just free of legal prohibitions
(IMHO).

>Even though I had to explain to one of my bosses why his computer
>account was over drawn, Info-Hams is worth it to me. I
>find it a valuable resource for information. Any request for help
>generally returns a number of very helpful letters. It is the
>best research tool I have found for electronics related
>Information. I would like to find more news groups related to
>electronics, the C computer language and agriculture. I might even
>consider moderating one related to agriculture or 68HC11
>computers.

I would recommend you get on USENET and cease the INFO-HAMS mail. That
way you can read things you want and ignore what you don't care about.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 2601984137465318804
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f9af69eef2a346d5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-26 16:56:12 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!
spool2.mu.edu!uunet!blkcat!f421.n109.z1.fidonet.org!Paul.Heller
From: Paul.Heller@f421.n109.z1.fidonet.org (Paul Heller)
Newsgroups: rec.ham-radio
Subject: Re: Question About Vacuum
Message-ID: <3190.27A2B383@blkcat.fidonet.org>
Date: 27 Jan 91 00:56:12 GMT
Sender: ufgate@blkcat.fidonet.org (newsout1.26)
Organization: FidoNet node 1:109/421 - The Twilight Clone, Paul Heller
Lines: 24

> | Does anyone know of a case(s) where someone was injured
> while using

```
>  |a vacuum tube amplifier?
>     ^^^^^^^^^^^^^^^^^^^^^
>
> If high power amplifiers in broadcast or ham radio stations are
> included, sure enough, there have been many injured and dead, as the
> plate voltages are ranging from KV to 10 KV. I heard the engineer at
> the radio station in Saipan Is. was dead about ten years ago by the
> accident.

Yes, there have been many fatalities from contact with B+ voltages in
tube-type amplifiers over the years, some of them well-known and
experienced hams.  As a pilot friend of mine says, "there are some
accidents you don't learn from ..."

/W3PH



--

        Paul Heller, Paul.Heller@f421.n109.z1.fidonet.org
      via The Black Cat's Shack's FidoNet<->Usenet Gateway
          blkcat.fidonet.org   and   Fidonet 1:109/401


From 4943674630948975847
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5d147fbc969617f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-26 17:01:03 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!
spool2.mu.edu!uunet!blkcat!f421.n109.z1.fidonet.org!Paul.Heller
From: Paul.Heller@f421.n109.z1.fidonet.org (Paul Heller)
Newsgroups: rec.ham-radio
Subject: Re: Radio Baghdad - Anyone
Message-ID: <3191.27A2B384@blkcat.fidonet.org>
Date: 27 Jan 91 01:01:03 GMT
Sender: ufgate@blkcat.fidonet.org (newsout1.26)
Organization: FidoNet node 1:109/421 - The Twilight Clone, Paul Heller
Lines: 13

> I heard Baghdad up till war broke, but not since. BBC reports indicate
>
> Has anyone heard anything from it recently, English or otherwise ?

I've tried frequently here in Washington, but have heard only the
'bubble jammer' signal.  I understand their hours have been curtailed.


--

        Paul Heller, Paul.Heller@f421.n109.z1.fidonet.org
      via The Black Cat's Shack's FidoNet<->Usenet Gateway
          blkcat.fidonet.org   and   Fidonet 1:109/401
```

```
From 1277413647784641011
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b87540a221fe9412
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-26 18:20:23 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!caen!sdd.hp.com!
cs.utexas.edu!news-server.csri.toronto.edu!utgpu!attcan!lsuc!atha!
aupair.cs.athabascau.ca!rwa
From: rwa@cs.athabascau.ca (Ross Alexander)
Newsgroups: rec.ham-radio
Subject: Re: How to get a No-Code Technician Ham license
Keywords: easy, Valentine's Day
Message-ID: <637@aupair.cs.athabascau.ca>
Date: 27 Jan 91 02:20:23 GMT
References: <2295@autodesk.COM>
Organization: Athabasca University
Lines: 15

abeals@Autodesk.COM (Only 334 more shopping days until Christmas) writes:
>    Packet radio [TCP/IP] at various speeds [mostly slow right now,
>         but it will get faster]

While it's true there is some tcp/ip out there (Hurrah!) the vast majority
of packet traffic is AX.25 virtual-circuit-oriented OSI-influenced bilge.
And most of the tcp/ip traffic is encapsulated in AX.25 frames.  Sigh.

However, RUN don't walk to the nearest bookstore :-) and get working on
your license.  It's a riot.  Beats landline bbs all hollow, and once you
have your gear paid for, there are NO follow-on costs.
--
--
Ross Alexander    rwa@cs.athabascau.ca    (403) 675 6311    ve6pdq
"Sometimes, you want everything to look like a nail."  -- Larry Wall


From -6326928337169505659
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a2be06de9b13b861,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106ac0,a2be06de9b13b861,start
X-Google-Attributes: gid106ac0,public
X-Google-ArrivalTime: 1991-01-26 23:39:21 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!emory!att!att!westmark!
s4mjs!tronsbox!fbalady
From: fbalady@tronsbox.xei.com (Fred Balady)
Newsgroups: rec.ham-radio,comp.sys.amiga.misc
Subject: Amiga Morse Code Tutor
Keywords: amiga morse code tutor
Message-ID: <1241@tronsbox.xei.com>
Date: 24 Jan 91 22:13:16 GMT
Followup-To: poster
```

Organization: Romantic Encounters BBS
Lines: 11
Xref: gmdzi rec.ham-radio:19887 comp.sys.amiga.misc:340

I'm looking for a good morse code tutor for the amiga computer, preferably
farnsworth method. If anyone has one please send me mail or reply here.
An FTP site is okay.

-Fred

--

Freddy Balady   fbalady@tronsbox.xei.com

From 5559007445638995326
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,307407ccee218cd0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107a1f,2c5eff5b2d8007fb
X-Google-Attributes: gid107a1f,public
X-Google-ArrivalTime: 1991-01-27 04:29:46 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!spool2.mu.edu!uunet!
pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Amateur Radio Callsign on 11M
Summary: CB license?
Message-ID: <806@ssc.UUCP>
Date: 23 Jan 91 19:28:15 GMT
References: <1991Jan16.161507.7398@cck.cov.ac.uk>
Organization: very little
Lines: 24

In article <1991Jan16.161507.7398@cck.cov.ac.uk>, esf100@cck.cov.ac.uk (Pierre
BESSON) writes:
>
>   So far, discussions have referred to CB licensing procedure,
>   where any handle can be used.
>
>   However, a ham with a valid CB licence and an autorized transceiver
>   shouldn't use his Amateur Radio Callsign (as handle) on the CB bands
>   as he would be operating under the Amateur Radio rules
>   where 27Mhz is not a band he can operate.

I don't know about France, but here in the US the Citizens Band has been
unlicensed for years. I understand that it is legal to use any kind
of callsign or identifier on 11 mtrs that you want, including your own
ham call, or anyone elses.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

```
From 7968145756610568378
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,213adfcec3c2dbeb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,213adfcec3c2dbeb
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-27 05:16:33 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!
samsung!emory!hubcap!gatech!mcnc!duke!george.mc.duke.edu!klg
From: klg@george.mc.duke.edu (Kim Greer -- rjj)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Numbers lady on 30 meters
Message-ID: <21914@duke.cs.duke.edu>
Date: 27 Jan 91 13:16:33 GMT
References: <98034@aerospace.AERO.ORG> <38441@cup.portal.com> <51595@sequent.UUCP>
Sender: news@duke.cs.duke.edu
Followup-To: rec.ham-radio
Organization: Duke University Medical Center, Durham, NC
Lines: 27
Xref: gmdzi rec.ham-radio:19933 rec.radio.shortwave:3907
Nntp-Posting-Host: george.mc.duke.edu
```

In article <51595@sequent.UUCP> edw@sequent.UUCP (Ed Wright) writes:

> Some have been tracked to .....[places deleted]

>It would not be so hard for folks to post an rdf azimuth and their
>location to the net , and then after a few postings we could all
>sort out where the numbers folks are.
>Ahhh the power of the net.
>Ed
>KA9AHQ

Sounds like a fun idea. What it would require though is a fairly directional antenna. (or is that really true? could you just use a kinda-non-directional antenna and rotate it until the signal is nulled?) What do you recommend for the "average" swl'er who would like to try this? The signal strengths of many of these stations that I've noted are reasonably high, so would a short (maybe 5-10 ft) rotatable dipole or "long"wire be a good choice? Please post some suggestions as to antenna and methods.

This is great! A new (mid-winter) antenna project!

--
Kim L. Greer
Duke University Medical Center   klg@orion.mc.duke.edu
Div. Nuclear Medicine POB 3949   voice: 919-681-5894
Durham, NC 27710   fax: 919-681-5636

From 8742732596345919951
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb63f6a593e60982,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 09:33:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
unix.cis.pitt.edu!pitt!cuphub!alv3192
From: alv3192@cuphub.cup.edu
Newsgroups: rec.ham-radio
Subject: REPEATER ONLINE DATE?
Message-ID: <13983@cuphub.cup.edu>
Date: 16 Jan 91 17:33:58 GMT
Organization: California University of Pennsylvania, California, PA
Lines: 8

DOES ANYBODY HAVE INFORMATION AS TO WHEN A REPEATER WENT ONLINE?
THE INFO IS: 147.045 +600kc
          REPEATER CALL   WR8V
          LOCATED IN COSHOCTON, OH.

THANKS FOR YOUR HELP!
TONY ALVIAR
KA3VOR

From -3931285194937034907
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8fe8724e3e054c4c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 09:40:43 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!apple!usc!wuarchive!
sdd.hp.com!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: CW snobbery - was "homebrewing"
Message-ID: <667@chiton.ucsd.edu>
Date: 16 Jan 91 17:40:43 GMT
References: <1069.27922A3F@w8grt.fidonet.org>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 35

In article <1069.27922A3F@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim
Grubs) writes:
>

```
> > HUH??!?  I have been a ham now for over 25 years, and have NEVER run
> > into an individual who has expressed this attitude!
>
>Oh, come now, we have ALL met them (except you, apparently) - at every club
>meeting, net meeting, hamfest, Hamvention, National Convention we ever went to.
>They're all over the place.

This is very strange...I belong to several local clubs and went to the South-
western ARRL convention. I go to local swap meets and know a lot of hams. I
just don't seem to meet the kind snobby elitists that several on the net say
they have been put off by. Now I don't say that they are not there and I'm not
impugning anyones integrity, but I am at a loss as to why the vast majority of
hams I know and seem to meet are friendly, normal people. Now it may be that
if I meet someone who is arrogant and small-minded, I very politely beat a hasty
retreat. Life is too short and I work too hard to have to deal with assholes.
What's happening here?

Let me tell you this. If the Amateur Radio Service loses its fundamental tradi-
tions of friendliness, openness and self-discipline there will be no Amateur
Radio in the near future. Further, anyone who does not believe in and practice
the traditions is directly responsible for its demise. There is no
"radio police" out there to keep order on the bands. If we don't discipline
ourselves and lead others by example we are history.

I hope the people described in Jim's post are just a renegade fringe that I'm
just not running into. I hope....

     AA6PN

--
     richard currier        marine physical lab    u.c. san diego
     rec@mpl.ucsd.edu
     619-534-1730


From -8429022348261186168
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6bee91c69cc3da34
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 09:44:00 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!apollo!hays
From: hays@apollo.HP.COM (John Hays)
Newsgroups: rec.ham-radio
Subject: Re: Info. for beginner
Message-ID: <4f3e3e92.20b6d@apollo.HP.COM>
Date: 16 Jan 91 17:44:00 GMT
References: <12072.2792e7f0@ecs.umass.edu>
Sender: root@apollo.HP.COM
Reply-To: hays@apollo.HP.COM (John Hays)
Organization: Hewlett-Packard Company, Apollo Division; Chelmsford, MA
Lines: 13

Anyone wishing to get some personal help on getting an Amateur Radio License
```

should contact DON STONER of NARA, he has a list of several thousand "helping
hams" who have volunteered to help people get started (license preparation,
selecting and setting up equipment, etc.)

```
He can be reached at email:   70371.111@CompuServe.Com
===================================^======== This is period, not a comma.
```

John Hays KD7UW

P.S. Anyone in the Seattle area who could give Don an account on a machine
so that he doesn't have to recieve and send these requests via Compu$erve
I imagine he would be appreciative.

From -3536101470187022932
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 09:52:12 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!rpi!uupsi!
uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: FM on HF (was: re: homebrewing)
Summary: Yes... and no
Message-ID: <429@ultrix.uhasun.hartford.edu>
Date: 16 Jan 91 17:52:12 GMT
References: <19917.799.7009@canrem.uucp> <654@chiton.ucsd.edu> <1949@ke4zv.UUCP>
<17186@csli.Stanford.EDU>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 28

In article <17186@csli.Stanford.EDU>, kawai@csli.Stanford.EDU (goh kawai - n6uok)
writes:
> Phil Howard asks Gary Coffman:
>
> >> ... the lower portions of HF where FM is not legal ...
>
> > What HF bands is FM not legal on where voice is otherwise legal?
>
> This is one question I have had myself.
>
> I have never seen explicit mention in the FCC rules prohibiting FM on
> frequencies below 29.000 MHz. However, it is a fact that the only

FM is not prohibited, but it is limited by 97.307(f)(1) to a
modulation index of 1. This limitation applies to all frequencies
below 29.0 MHz (see 97.305(c), under the column labeled "Standards").
If you don't know what "a modulation index greater than 1" is, I refer
you to the 1991 ARRL Handbook, p. 9-3. In essence, the rule means
you can't run FM below 29.0 MHz with your stock HF rig unless you
tweak your deviation to about 3 kHz.

I would suggest you *not* run FM at all on a band that's heavily
loaded. FM is just too wide! But when there's plenty of room there's
no reason not to experiment with it.

```
--
Jon Bloom, KE3Z                              | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu         |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

From 7033968370240578441
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1ce1ea0db689736a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 09:59:58 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!midway!midway.uchicago.edu!pbhx
From: pbhx@midway.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: Re: Novice loses privilege - ARRL response
Message-ID: <1991Jan16.175958.27998@midway.uchicago.edu>
Date: 16 Jan 91 17:59:58 GMT
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 31
References:<47979@apple.Apple.COM> <1250337@hpnmdla.HP.COM>

In article <1250337@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom)
writes:
> In rec.ham-radio, holly@hpcupt1.cup.hp.com (Jim Hollenback) writes:
>
> >I don't understand the problem. Currently 1A is presumed with a Novice
> >license, so passing 3A gets you a Tech license. Well, if a Novice
> >upgrades after 2/14, why can't the VE accept the Novice license as
> >proof of completion of 1A and issue the required CSCE?
>
> >Or am I missing some salient point?
>
> If I remember right, the Technician WITH code requires you pass the 5 wpm
> before 3 certified Volunteer Examiners. The Novice license only requires
> 2 General-class hams for the test. This may be the reason it doesn't
count.

No, it *has* to count because the FCC has already accepted the word of the
two Generals and has issued the Novice license.

When the dust finally settles on how the FCC will implement the new Tech
procedures, they will *have* to take the logical way out. After all,
the FCC doesn't want to make its life any more difficult. Thus, a Novice
will lose no privileges. The FCC will allow possession of the Novice license
to prove that 1(A) was passed. (After all, who is going to check this
stuff anyway, wandering bands of vigilante hams? No, a Tech's rightful

```
privileges will be checked by the only FCC if there is some reason
to believe he is abusing his privileges.)

---------------------------
Peter B. Hayward                                              WX9T
University of Chicago Computing Organizations


From 5864199759875920194
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8aadc452794e75f3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 10:08:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-
pcd!hplsla!charlier
From: charlier@hplsla.HP.COM (Charlie Panek)
Newsgroups: rec.ham-radio
Subject: Re: Grid Squares
Message-ID: <5720095@hplsla.HP.COM>
Date: 16 Jan 91 18:08:54 GMT
References: <1873@gold.gvg.tek.com>
Organization: HP Lake Stevens, WA
Lines: 24

>randyh@gold.gvg.tek.com (Randy Hall) asks:
>
>With the upcoming VHF contest this weekend, I need to know what
>Grid Square I am in.
>
>I would like to know how to figure this out knowing what my
>Latitude and Longitude are.
>
>Are there two designations for Grid Squares, 4 and 6 digits?
>
>Thanks,
>
>Randy
>
>Latitude:  N.  39.2167  = 39deg, 13 mins
>Longitude: W. 121.1333  = 121 deg, 8 mins.

  This corresponds to CM99.  There is a six letter designator, but this
  requires a location specified to within some number of seconds, which
  locates you to within a hundred feet.  If your location is exactly
  39deg 13 min 00 sec N, 121 deg 8 min 0 sec W, then your locator is
  CM99KF.  This calculation was performed courtesy of a utility within
  the HamComm programm previously discussed here.
>


From -7701195649380941591
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
```

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 10:10:21 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!atha!aupair.cs.athabascau.ca!
tech
From: tech@cs.athabascau.ca (Richard Loken)
Newsgroups: rec.ham-radio
Subject: Re: "ricebox"
Message-ID: <610@aupair.cs.athabascau.ca>
Date: 16 Jan 91 18:10:21 GMT
References: <819@wells.UUCP> <1991Jan12.042810.28007@informix.com>
<48015@apple.Apple.COM> <1991Jan15.000354.27977@informix.com>
Organization: Athabasca University
Lines: 30

randall@informix.com (Randall Rhea) writes:

>"Ricebox" is intended to be a derogatory term aimed at a particular
>nationality.  This, to my mind, is "racism."   It doesn't offend me,
>and I'm glad that as an Asian person, you're not offended either. (you're
>not Japanese, though ...)   However, if I were Japanese, I certainly
>would be offended.  What if I called a product from Taiwan a "chink-box?"
>Would you still have a "sense of humor?"

Rice box and Chink box don't resemble each other at so forget that simile.
Rice box is a cultural slur not a racial slur so it can be applied to imports
from Taiwan as easily as those from Japan.

Are you offended because Americans are referred to as Yankees or Yanks in most
of the world?  Are you offended if a Mexican call an American a gringo?  A few
years back when it was fashionable to stand outside the US embassy in many
countries and yell "Yankee go home" there were no comments in the US media about
Americans having their feelings hurt.  I submit that not one American in a
million gives a shit what nickname is applied to them in Cuba or Panama.

I really doubt that many citizens of Japan care what you call them or their
products just as long as you keep sending them money.  The top dog is always
resented by the lower echelon and today Japan holds the world as its personal
oyster.

--
  Richard Loken VE6BSV                             :  "Only lawyers support
  Athabasca University                             :  the Ssskatchewan Liberal
  Athabasca, Alberta Canada                        :  party."
  tech@cs.AthabascaU.CA {alberta|decwrl}!atha!tech :


From 3780616087221015147
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,72c9363b386517fe
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 10:12:00 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!
elroy.jpl.nasa.gov!decwrl!pa.dec.com!rust.zso.dec.com!shlump.nac.dec.com!
```

delni.enet.dec.com!goldstein
From: goldstein@delni.enet.dec.com (Fred R. Goldstein)
Newsgroups: rec.ham-radio
Subject: Re: NBFM on HF...
Message-ID: <19067@shlump.nac.dec.com>
Date: 16 Jan 91 18:12:00 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 28

In article <7575@plains.NoDak.edu>, enders@plains.NoDak.edu
(Todd Enders - WD0BCI) writes...
>   The question that makes me think is: How narrow can one make an
>FM voice signal? I'd think that NBFM would be competitive with SSB
>(maybe even better due to capture effect?) if it could be squeezed
>into a comparable bandwidth.

The bandwidth of an FM signal is, at bare minimum, the same as an AM signal. It begins with two sidebands, just out of phase with one another so the sum is zero. At a certain deviation, the carrier power is zero and all the power is in the sidebands. As the "deviation" increases, more sidebands occur on either side; the deviation is really only an approximation of where the average power is.

Thus if you deviated 1/2 kHz with 3 kHz audio, you'd still have a 6 kHz bandwidth, with most of the power stuck in the carrier. It's equivalent to undermodulated AM, and thus a bad idea. That's why NBFM in the commercial world has a deviation ratio of at least 1, and 1.6 is more common.

That's a very rough non-mathmateical snapshot. Others may fill in the details and numbers.

Fred R. Goldstein k1io   Digital Equipment Corp., Littleton MA
goldstein@delni.enet.dec.com   voice: +1 508 486 7388
 Do you think anyone else on the planet would share my opinions, let
 alone a multi-billion dollar corporation?

From -3569110930219107649
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd7f67778376c851
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 10:20:22 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: Health & Welfare Traffic to Gulf Region
Summary: Original posting contained incorrect information--please read this!
Message-ID: <48160@apple.Apple.COM>
Date: 16 Jan 91 18:20:22 GMT

References: <9101081431.AA12601@hermes.intel.com>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 46

In article <9101081431.AA12601@hermes.intel.com> rharel@fab8.intel.com (CAL-LAB (MS:JER2-85 TEL:7589)) writes:
>For all those interested in getting health and welfare traffic over to
>U.S. Military deployed personel in the Gulf region - there is a BBS running
>out of the American Embassy in Riyhad - 7Z1AB.
>Traffic can get to 7Z1AB from Stateside via Packet or the Internet.
>
>Packet:
>7Z1AB @W3IWI.MD.USA
>
>Internet:
>Clark@tomcat.gsfc.nasa.gov

Please read the following important message I received from Tom Clark:

Date: Mon, 14 Jan 91 22:52:17 UTC
From: clark@tomcat.gsfc.nasa.gov
To: winter@apple.com
Subject: Saudi Arabia

Patty -- I don't read rec.ham-radio, but apparently someone posted a note saying that tomcat was a relay station for health and welfare traffic to/from Saudi Arabia. Do you know anything about it?

Here is the situation: There exists a LEGAL path for 3rd party traffic to Desert Shield involving amateur channels following the path W3IWI ==> 4X1RU ==> 7Z1AB. This path requires that messages come in over amateur packet channels sent like ST 7Z1AB @ W3IWI.MD.USA and the messages need to be in standard ARRL radiogram format (and be brief, less than 25 words). As with all ARRL-format traffic handled on packet, the entire ARRL radiogram (header, addressee, text and signature) should constitute the text of the packet message.

We do not have any other channels. Traffic sent from internet hosts must be manually re-formatted to meet these standards and hence we are not in a position to handle traffic from the internet. Whoever said we were was WRONG!

Tom

--
****
Patty Winter N6BIS   INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]   UUCP: {decwrl,nsc,sun}!apple!winter
****

From -2401231879507956424
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f5fa7a47956213cc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 10:33:52 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!uakari.primate.wisc.edu!
zaphod.mps.ohio-state.edu!caen!hellgate.utah.edu!dog.ee.lbl.gov!ucsd!mvb.saic.com!
ncr-sd!ncrcae!prdmgt!flake
From: flake@prdmgt.Columbia.NCR.COM (Joe Flake)
Newsgroups: rec.ham-radio
Subject: MININEC
Summary: What is it? Which one?
Keywords: antenna program
Message-ID: <232@prdmgt.Columbia.NCR.COM>
Date: 16 Jan 91 18:33:52 GMT
Organization: NCR Corp, E&M Columbia, SC
Lines: 22
Posted: Wed Jan 16 12:33:52 1991

I've seen many ads for an antenna analyzer program called
MININEC (and other variations of similar spelling).

Unfortunately, I don't understand exactly what I might expect
from the program. Can someone comment on what the program
does, and who might benefit from its use. Do I have to be
a rocket scientist (or RF engineer!) to understand/use it
or will it help me calculate the length of a simple dipole or
effectiveness of an arbitrary (ie random) length of wire.

Assuming you convince me that the program is a sound investment,
which of the several variations is best (and why)?

Can you point me to any magazine articles about the package?

Thanks in advance,
Joe Flake, N4BGQ
NCR Corp, West Columbia, SC
joe.flake@columbia.ncr.com
...uunet!ncrlnk!ncrcae!joe.flake

From 6937930328152827114
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,226729aa249d161b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 11:15:43 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!uwm.edu!bionet!agate!
ucbvax!eng.auburn.edu!elling
From: elling@eng.auburn.edu (Richard Elling)
Newsgroups: rec.ham-radio
Subject: Re: Automotive stealth...

Message-ID: <9101161915.AA24194@eng.auburn.edu>
Date: 16 Jan 91 19:15:43 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11

It seems to reason that if a police radar gun can detect a baseball, then it can detect any vehicle big enough to carry a person. I was rudely reminded of this when I was clocked doing 31 MPH in a 25 MPH zone on my bicycle. Fortunately, I was able to talk my way out of it :-)
You can speed, but you can't hide :-)

```
 Richard Elling                         Manager of Network Support
 Auburn University                      Engineering Administration
 Work: relling@eng.auburn.edu                        (205)844-2280
 Play: relling@cup.portal.com      AMPR.ORG: 44.100.0.72 (KB4HB)
 I'll speak for anyone who agrees with me... woof! woof! grrrrrr
```

From 5817226684434125878
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,72c9363b386517fe
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 11:31:41 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!gvlf3.gvl.unisys.com!gvlv3!ean
From: ean@gvlv3.gvl.unisys.com (Ed Naratil)
Newsgroups: rec.ham-radio
Subject: Re: NBFM on HF...
Message-ID: <1991Jan16.193141.15765@news.gvl.unisys.com>
Date: 16 Jan 91 19:31:41 GMT
References: <7575@plains.NoDak.edu>
Sender: news@news.gvl.unisys.com (The NEWS user)
Reply-To: ean@gvlv3.UUCP (Ed Naratil)
Organization: Unisys Defense Systems, Great Valley Labs, Paoli, Pa
Lines: 14

In article <7575@plains.NoDak.edu> enders@plains.NoDak.edu (Todd Enders - WD0BCI) writes:
>   The mention of NBFM reminds me that this was somewhat popular
>during the 50's. I believe the deviation was 2.5KHz. The curious
>may want to check out QST in that time frame. (Note: this is from

Wasn't exactly what you would call poplular, but I did run NBFM, CW, and AM from my car using an Multi-Elmac AF-67 (very large for mobile) transmitter. If you find some QST's, you might want to look for their ad.

```
----
Ed Naratil                                       (All standard disclaimers apply)
Amateur Packet: W3BNR@N3LA.#epa.PA.USA.NA        ean@gvlv3.gvl.unisys.com
This space intentionally left blank.
```

From -7505685443829217223
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 11:58:34 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!atha!aupair.cs.athabascau.ca!rwa
From: rwa@cs.athabascau.ca (Ross Alexander)
Newsgroups: rec.ham-radio
Subject: Icom filters, rtty, & c. (was: Rigs for beginners?)
Message-ID: <611@aupair.cs.athabascau.ca>
Date: 16 Jan 91 19:58:34 GMT
References: <2992@ux.acs.umn.edu> <7880412@hpfcdc.HP.COM> <1955@ke4zv.UUCP>
Organization: Athabasca University
Lines: 50

gary@ke4zv.UUCP (Gary Coffman) writes:
>The 735 has PBT, and an IF notch filter, and a built-in keyer is an
>option. Icom offers several filter triplet options for this rig. All
>the Icom filters have excellent shape factors. The widest filter is
>for FM and is not replace- able. It is always in circuit. There are
>three choices for high IF and low IF filters available. You can only
>have two of these pairs in the radio at once. One pair for SSB and
>the other for CW/digital. I'm using the extra sharp SSB pair and the
>500 Hz CW pair. The 200 Hz CW pair is too narrow for my RTTY and
>Packet work. They'd be fine for a dedicated CW operator.

I'm running an Ic751a, which I like very much modulo a few stupidities such as no band stacking registers (they could have done it *so easily*, sigh). I understand it uses the same filters as the 72[56], 735, & c. That is, FL53, FL44, and so on. I too have the sharp SSB filters, but the 200 Hz rather than the 500 Hz pair. For a while, I found that the RTTY-Narrow mode (which gives me the 200 Hz filters) was indeed too narrow to use; it kept chopping off part of the incoming signal, and of course fiddling with the RIT was no cure.

Last night a light finally came on; it turns out the trick to getting useful work from the narrow filters lies in using the IF shift control to get the darned filter centered correctly. With this little hack, I was able to get pretty good copy on an S2 qso between a pair of W7's last night, while completely ignoring an S9+10 amtor qso only ~500 Hz higher. I was pleased with this - it's much better than what I had before. Watching a signal move all the way through the passband while tuning whilst only one digit changes in the freq display is novel :-). [I'm using a KAM; I suppose I could use the "modem tones" approach, but this is more generally useful imho, and a _lot_ easier to get right]. I haven't tried this in packet yet - I'll give it a kick tonight and report my results.

On a slightly different note, my impression is that the FM filter is too wide by about an order of magnitude. Sometimes I'll select FM mode just to have a listen to *all* the signals near my current freq at once :-). I suspect this filter was chosen with an eye towards transverter operation (can't think of any other reason to build it so incredibly wide, unless broadcast FM reception was a design criterion (!?)), but for 10 meter FM it's a joke. Has anyone got a solution, or a work around? Advance thanks to those who can help.

BTW, the Ic751a is my first rig. I bought it because I couldn't stand the thought of missing such a good bargain (it was almost new, and the asking price was extremely reasonable). I've been _very_ pleased, but my guess is anyone's chance of having that kind of luck at need is slim.

```
--
--
Ross Alexander    rwa@cs.athabascau.ca    (403) 675 6311    ve6pdq
```

From -984299733527780471
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,147263284118940
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 12:05:49 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!ousrvr!ousrvr!luru
From: luru@stekt1.oulu.fi (Ari Husa OH8NUP)
Newsgroups: rec.ham-radio
Subject: Re: Exam Procedure
Message-ID: <LURU.91Jan16210549@stekt1.oulu.fi>
Date: 16 Jan 91 20:05:49 GMT
References: <18992@shlump.nac.dec.com> <891@wells.UUCP>
Sender: news@ousrvr.oulu.fi
Organization: The Buffalo Club
Lines: 13
In-reply-to: k3tx@wells.UUCP's message of 16 Jan 91 03:44:55 GM

In article <891@wells.UUCP> k3tx@wells.UUCP (Dave Heller) writes:

> blank, and -10 per incorrect. Properly done it separates the men
> and women from the boys and the girls.

Hopefully for the benefit of the boys and the girls - and the grand hobby of ours.

```
     Luru
--
     ///
     o-o    Ham Radio Operators Do It In Higher Frequency
      o
```

From 1132124399209920972
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,528b764f2711a0a3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 12:10:13 PST

Path: gmdzi!unido!mcsun!sunic!news.funet.fi!ousrvr!ousrvr!luru
From: luru@stekt1.oulu.fi (Ari Husa OH8NUP)
Newsgroups: rec.ham-radio
Subject: Re: On having a copy of the Part 97 rules
Message-ID: <LURU.91Jan16211013@stekt1.oulu.fi>
Date: 16 Jan 91 20:10:13 GMT
References: <10.Jan.91.13:19:37.GMT.#9701@UK.AC.NWL.IA>
     <1991Jan12.015801.27509@NCoast.ORG>
     <1991Jan14.214730.11237@ux1.cso.uiuc.edu> <22696@ttidca.TTI.COM>
Sender: news@ousrvr.oulu.fi
Organization: The Buffalo Club
Lines: 17
In-reply-to: sorgatz@ttidca.TTI.COM's message of 16 Jan 91 01:30:14 GM

In article <22696@ttidca.TTI.COM> sorgatz@ttidca.TTI.COM (Avatar) writes:

> +How many hams in the USA have a copy of the current rules?
>   Not very many, I'd venture to guess! There seems to be a bell
> curve

The local "FCC" (THK) over here issues a copy of the current
regulations to each and every amateur station (i. e. callsign) owner.
All the updates are mailed to the licensees as well.

In order to work around the rules it is a great benefit to know them..

     Luru
--
```
     ///
     o-o    Ham Radio Operators Do It In Higher Frequency
      o
```

From -3981799431528750856
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ffb5a2699b19e829,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 12:30:12 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
elroy.jpl.nasa.gov!decwrl!pa.dec.com!decuac!e2big.mko.dec.com!atccad.enet.dec.com!
stogner
From: stogner@atccad.enet.dec.com
Newsgroups: rec.ham-radio
Subject: Need a cheap 10.25 GHZ oscillator
Message-ID: <1991Jan16.203012.24907@e2big.mko.dec.com>
Date: 16 Jan 91 20:30:12 GMT
Sender: guest@e2big.mko.dec.com (Guest (DECnet))
Reply-To: Stogner@atccad.enet.dec.com
Organization: Digital Equipment Corporation
Lines: 6

10.25 GHZ Oscillator
Does anyone know a source for a cheap 10.25 GHZ oscillator ?

Thanks,

Lee Stogner, N4XBD

From 4192652985808511119
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f676054bfd66f52
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 12:31:33 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!samsung!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!decwrl!pa.dec.com!shlump.nac.dec.com!koning.enet.dec.com
From: koning@koning.enet.dec.com (Paul Koning)
Newsgroups: rec.ham-radio
Subject: Re: Questions from 'G' land . . . . .
Message-ID: <19071@shlump.nac.dec.com>
Date: 16 Jan 91 20:31:33 GMT
References: <"16-Jan-91.15:42:09.GMT".*.hugh_davies.wgc1@rx.Xerox.com>
Sender: newsdaemon@shlump.nac.dec.com
Reply-To: koning@koning.enet.dec.com
Organization: Digital Equipment Co., distributed systems architecture
Lines: 61
Posted: Wed Jan 16 14:31:33 1991

|>
|>A few dumb questions!
Not particularly dumb...

|>1) I come to the USA regularly (my parents live there), and have always got a
|>reciprocal license up till now. It's free, and grants Extra privileges (sort
|>of) for my UK 'A' license. I've vaguely been thinking about getting a *real*
|>license (an Extra, of course! :o). There's a VE programme here, so sitting the
|>exams isn't a problem, *but*, how do I find out what to learn? (Yes, I know I
|>probably know it all already, but there's got to be some differences). Where's
|>a good place to look? This "element 1A", etc., stuff baffles the crap out of
|>me. (We only have one exam for everybody.) I assume the ARRL publishes a book
|>with the curriculum? What's it called? (Oh Ghod, I'll have to learn Morse Code
|>*again*!)

Yes, you'll have to learn the code again. At 20 WPM, no less...
As for what to learn, the ARRL publishes books. They are good, but unfortunately there's one per license class, and each is incremental over the preceding one. Then again, if you get just the Advanced and Extra books, the rest will be trivial. (Don't just get the Extra: the Advanced test has a bunch of questions for which the Extra book doesn't prepare you well).

Alternatively, if you feel you know the stuff already, get a copy of the questions themselves. For each class there is a fixed set of questions; the total count is 10 times the number used for each test (i.e., the examiners draw 1 in 10 from the pool).

In addition, be sure to get the rule book; the ARRL publishes an edition that has both the full text and commentary. Apart from giving you the stuff you need to answer the regulatory questions, it will also help you understand "Part 1A" and similar gobbledygook.

By the way, sitting through the entire test sequence through Extra is exhausting! (You have to take ALL the written stuff from Novice to Extra if you start out with no US license. If you have to do it that way, go for it, but expect to take several hours and come out very tired.)

|>2) I've always borrowed a US spec 144MHz HT up 'till now, but I would like to
|>buy one. I'm not bothered about zillions of features, or dual-banding, but I
|>would like one that is easily switchable between UK and US specs and that is
|>reasonably small and not unreasonably priced. Does anyone have a recommendation
|>for a rig, and where to buy it from?

The key problem I can see is that no US rig I know of provides the 1750 Hz tone burst that's used on your side of the pond. I once tried to get the appropriate board to add to my TH21, but the UK importer for Trio/Kenwood refused to cooperate. I was glad to hear a few months later that the Kenwood main office had dumped that importer...

|>4) And finally, not a question, but a comment. What a sensible idea on the part
|>of the FCC to give you a codeless license. Approximately 50% of hams in the UK
|>have codeless licenses, and I would say that almost 100% of new entries pass
|>the exam, get a codeless license, learn the code and upgrade to a "with code"
|>license.

That's what I've been saying too...

73, paul
ni1d, ex-pa0pkg

From 9168472546530856197
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2f64210f2d2a055e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 12:34:22 PST
Path: gmdzi!unido!mcsun!uunet!infonode!ingr!
From: youngwa@b8.INGR.COM (Butch Young)
Newsgroups: rec.ham-radio
Subject: 12 volt standard connectors?
Keywords: 12 volt connectors
Message-ID: <499@b8.INGR.COM>
Date: 16 Jan 91 20:34:22 GMT
Organization: Intergraph Corporation Huntsville, AL
Lines: 50
th: b8!youngwa

For what it's worth, I have used and recommend the use of the connectors used for battery connections in radio controlled cars, boats, etc. These little gems are polarized, have a molded nylon shell with a positive locking device that can be operated with one hand, and can be obtained at almost any hobby store at approximately $2.00 for a set of two units. (2-male and 2-female connectors) The pin and sleeve contacts are totally enclosed and will accept up to a 12 guage wire without any problems. They should handle at least 10 amps without any problem. These units are basically a two-pin molex connector and are used to connect the power packs (fast charge/real-fast discharge nicads) to the vehicle being operated.

As a matter of fact, I had some little used 7.2 volt, 1200 maH packs at home and used them to build a super HT battery pack using the connectors described in the above paragraph. I wired two battery packs together via a small switch box to supply either 7.2 volts @2400 maH (parallel wired) and 14.4 volts @1200 maH (series wired) to my HT for extended portable operations at different power outputs. Select the 7.2 volts for low power/long useage, and 14.4 volts for high power/shorter duration usage. I fastened the two batteries and the switchbox together using double-sided tape, and put the entire unit inside a small padded camera bag with belt loops. The switchbox contains a small DPDT switch to provide the series/parallel switching, a diode (explained in the following paragraph), a blade type fuse for short-ckt protection, and connections for two pig-tails to connect the batteries and one for the cable that connects to the Handie Talkie.

In wiring the assembly, I wired a 4 amp 50 PIV diode in series with the lead from the pack to the HT to provide a .7 volt drop on low power from the pack or operating the HT from an optional 12 volt power supply. This diode is not located in the pack itself! I wired a second diode inside the switch box to provide a total of 1.4 volts drop when operating on high power. I did this to provide a little safety margin when operating the unit, as the fully charged battery voltage ouput approaches 7.8 volts, and the two batteries in series would provide over 15 volts, which exceeds the maximum dc input voltage for most Handie Talkies. The diodes provide enough voltage drop to protect your valuable HT from damage. The batteries may be charged with the switch set to the 7.2 volt position, using either a trickle charger (best way) or a fast charger (batteries get warm) available for these batteries at hobby stores.

By the way, these batteries are now available in both 1500 and 1700 maH rates and cost little more than the approximate $20.00 for the 1200 maH version.

Best regards,

Butch

```
--
#   William A. Young (Butch)       N4WMT                                   #
#   Intergraph Corporation                   Telephone (205) 730-4410    #
#   Mail Stop CR086  Building 8              7:30am-4:15pm (0730-1615)   #
#   Huntsville, AL  35894-0001                                           #
```

From 7352775411227399695
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,72c9363b386517fe

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 13:06:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!think.com!linus!
linus!mwunix.mitre.org!m21198
From: m21198@mwunix.mitre.org (John McHarry)
Newsgroups: rec.ham-radio
Subject: Re: NBFM on HF...
Message-ID: <m21198.664059994@mwunix.mitre.org>
Date: 16 Jan 91 21:06:34 GMT
References: <19067@shlump.nac.dec.com>
Sender: news@linus.mitre.org (Linus's News)
Organization: The MITRE Corporation
Lines: 12
Nntp-Posting-Host: mwunix.mitre.org

goldstein@delni.enet.dec.com (Fred R. Goldstein) writes:

>The bandwidth of an FM signal is, at bare minimum, the same as an AM
>signal.

I think it was in QST, perhaps 73, on the order of 20-30 years ago, at any rate in an April issue: There was a discussion of a new mode, something like micro-deviation FM. This was supposed to put a voice signal through an arbitrarily small bandwidth. Allegedly this new mode was catching on with all the cognoscenti, and accounted for the large numbers of apparently unmodulated carriers then plaguing the bands. Judging from what I hear today, the mode has not lost ground, although it is now little discussed in the press.
Deponent here runneth for cover!

From 7075407789024115030
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5c52f50cc836a98a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 13:15:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!
bionet!agate!ucbvax!ROSEVC.Rose-Hulman.EDU!DERRY
From: DERRY@ROSEVC.Rose-Hulman.EDU
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V91 #74
Message-ID: <D32A41476F3F803A97@ROSEVC.Rose-Hulman.Edu>
Date: 16 Jan 91 21:15:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 3

Let's keep talking about Radio Shack bashing for a whole lot longer. Maybe we'll break the record set earlier when we read about No-Code vs. Code for exactly 342 years. :-)

From -615093287023848253
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,af76119942cd76b6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 13:21:16 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!hplabs!hpda!hpwala!hpnjld!eyg
From: eyg@hpnjld.HP.COM (Ed Gilbert)
Newsgroups: rec.ham-radio
Subject: Re: rhombic antenna
Message-ID: <4140036@hpnjld.HP.COM>
Date: 16 Jan 91 21:21:16 GMT
References: <1991Jan15.150821.13309@lonex.radc.af.mil>
Organization: Hewlett Packard NJD, Rockaway NJ
Lines: 27
Posted: Wed Jan 16 15:21:16 1991

>I am thinking seriously about putting up a 160 meter rhombic at my shack.
> Is there anybody out there who has experience with these antennas?

If you are primarily interested in 160 meter operation, I think I would recommend something other than a rhombic. Not only would the dimensions be huge, but you would have to get it reasonably high up in terms of wavelengths to get a good takeoff angle. Even 1/4 wavelength high would be about 130', and 1/4 wavelength is probably too low for good performance.

Another problem with rhombics (as I am sure you are aware) is that they are only good in one or two directions. They are good for point to point communication, but not for general use where you need performance in all directions.

Most of the stations that do well on 160 meters use some type of vertical antenna for transmitting, and beverage antennas for receiving. You could use your farm acreage to good advantage by stringing some long beverages on it.

If you want information on 160 meter antennas, just get on the band some evening and mention the word antenna. You'll soon have a large roundtable discussion going and get lots of good practical information from hams that have tried everything there. Antennas seem to be the most popular topic of conversation on the band.

Ed Gilbert, WA2SRQ

From -9060396935544340177
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9db0794c573ac9f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 13:25:48 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!mips!kochab!rnovak
From: rnovak@mips.COM (Robert E. Novak)
Newsgroups: rec.ham-radio
Subject: Re: Ramsey kits

Message-ID: <44940@mips.mips.COM>
Date: 16 Jan 91 21:25:48 GMT
References: <10076@pasteur.Berkeley.EDU> <142708.22800@timbuk.cray.com>
<44735@mips.mips.COM> <1991Jan12.061855.5555@athena.cs.uga.edu>
Sender: news@mips.COM
Reply-To: rnovak@mips.COM (Robert E. Novak)
Organization: MIPS Computer Systems, Sunnyvale, CA
Lines: 25

In article <1991Jan12.061855.5555@athena.cs.uga.edu> mcovingt@athena.cs.uga.edu
(Michael A. Covington) writes:
>> kit to turn AM radio into shortwave receiver
>
>Presumably your problem is that AM stations are 10 kHz apart, but
>shortwave broadcasters are 5 kHz apart, so you miss half of them
>with a digital radio.
>
>You could use 2 crystals and switch back and forth between them
>(e.g., 9.000 and 9.005 MHz). Custom-made crystals cost less than $10
>each from a company such as JAN.
>
>I thought about this when designing the "High-Performance Shortwave
>Converter" that was in Popular Electronics -- essentially the same
>widget. (Your LO _is_ crystal controlled, isn't it? Does the PC board
>say SPC on the bottom? If so, you may be using my invention!)

Actually, the LO is NOT crystal controlled, but I'm glad you mentioned
the 5kHz problem. I hadn't thought about it. With no crystals at all,
the converter does not work with digital AM radio (I can't tune the
oscillator to a multiple of 5kHz). I'm going to have to spend some more
time thinking about how to do 5 kHz intervals.
--
```
Robert E. Novak                     Mail Stop 5-10, MIPS Computer Systems, Inc.
{ames,decwrl,pyramid}!mips!rnovak      950 DeGuigne Drive, Sunnyvale, CA  94086
rnovak@mips.COM        (rnovak%mips.COM@ames.arc.nasa.gov)      +1 408 524-7183
```

From -4741415233773226628
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dadba85855aff7c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 13:55:31 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!rpi!uwm.edu!
bionet!agate!ucbvax!TOMCAT.GSFC.NASA.GOV!clark
From: clark@TOMCAT.GSFC.NASA.GOV (Tom Clark -- W3IWI)
Newsgroups: rec.ham-radio
Subject: Concerning Traffic to Saudi Arabia
Message-ID: <221@tomcat.gsfc.nasa.gov>
Date: 16 Jan 91 21:55:31 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: clark@tomcat.gsfc.nasa.gov
Organization: The Internet
Lines: 80

X-Unparsable-Date: Wed, 16 Jan 91 21:54:30 UTC

Concerning Health and Welfare Messages to US troops in Saudi Arabi,
the following note appeared on rec.ham-radio:

> Article 30841 of rec.ham-radio:
> Path: apple!olivea!uunet!tut.cis.ohio-state.edu!ucbvax!fab8.intel.com!rharel
> From: rharel@fab8.intel.com (CAL-LAB (MS:JER2-85 TEL:7589))
> Newsgroups: rec.ham-radio
> Subject: Health & Welfare Traffic to Gulf Region
> Message-ID: <9101081431.AA12601@hermes.intel.com>
> Date: 8 Jan 91 14:31:50 GMT
> Sender: daemon@ucbvax.BERKELEY.EDU
> Organization: The Internet
> Lines: 23
>
> For all those interested in getting health and welfare traffic over to
> U.S. Military deployed personel in the Gulf region - there is a BBS running
> out of the American Embassy in Riyhad - 7Z1AB.
> Traffic can get to 7Z1AB from Stateside via Packet or the Internet.
> Specify in the message who the traffic is destined for - including rank
> and other specifics if available. A network of fax machines are set up to get
> the message to it's destination ASAP once it arrives at 7Z1AB.
> Here are the addresses for heath and welfare traffic ONLY - (please use this
> for personal messages only - no bullitens or "To all troops in the gulf:")
>
> Packet:
> 7Z1AB @W3IWI.MD.USA
>
> Internet:
> Clark@tomcat.gsfc.nasa.gov
>
> 73,
> Rich

Unfortunately Rich's message was mis-interpreted by some and I have been deluged with non-amateur Internet mail to be routed to Saudi Arabia. Let me clarify the situation:

Jim Stone, 4X1RU has set up a path for amateur radio packet messages to get to 7Z1AB in Ryadh, from whence they have handled local distribution to Desert Shield troops.

The >>ONLY<< messages that we have been sending thru originate on the amateur radio packet channels where they should be sent to your local Packet BBS as a brief (25 words or less) ARRL Radiogram format messages addressed like

ST 7Z1AB @ W3IWI.MD.USA

For the Internet folks, if you don't know what amateur radio is, if you do not have access to your local packet radio BBS, or if you don't know what an ARRL Radiogram is, then this service is not for you!

I have received a number of requests to route mail to troops in Saudi Arabia from non-amateur internet users based on Rich's message. Neither Tom Clark, W3IWI (clark@tomcat.gsfc.nasa.gov) nor Jim Stone, 4X1RU have some magic, back-door, free service for handling messages and we do not know of any such channels.

To answer some confusion, Rich's reference to FAXing messages applied only to the distribution WITHIN Saudi Arabia, not to the transport of the messages TO Saudi Arabia. Again, let me state that we have no magic route!

For those who have questioned the legality of this amateur radio connection, we in the USA are permitted to send messages to 3rd parties in other countries with which our government has negotiated specific 3rd Party message agreements. The USA does have such an agreement with Israel.

Jim was able to obtain special dispensation to relay the messages from Israel to Saudi Arabia, surprising though it may seem. Since our FCC has stated that they measure the legality of 3rd party traffic at the time the message is imported/exported across US borders, and since Israel is "legal", then these messages are "legal".

With the current level of hostility in the Middle East, I expect to hear that the Israel/Saudi link is no longer operational, but at this time I have heard no such news. I do know that one amateur station onboard a US ship in the area (N5DST) which was handling messages to/from the crew has ceased operation.

Regards, Tom

From 2369736046898803511
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1b86f2f02a024a2b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 14:12:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!olivea!tymix!niagara!billp
From: billp@niagara.uucp (Bill Putney)
Newsgroups: rec.ham-radio
Subject: Re: info on solar panels
Message-ID: <4026@tymix.UUCP>
Date: 16 Jan 91 22:12:27 GMT
References: <12.278ABA6F@weyr.FIDONET.ORG> <77314@unix.cis.pitt.edu>
Sender: usenet@tymix.UUCP
Reply-To: billp@niagara.UUCP (Bill Putney)
Organization: BT Tymnet, Inc. / San Jose, CA
Lines: 25

In article <12.278ABA6F@weyr.FIDONET.ORG> Vernon.Geddes@weyr.FIDONET.ORG (Vernon Geddes) writes:
>does anyone know of where I can obtain infor of different solar panels

>available.
>
>panels to run a shack completely. (run furance motor, lights, etc.)
>

A good general source for this kind of thing is the Home Power magazine. It is published bi-monthly and always has sources for solar and other kinds of home made power. A lot of the avertisers are people that got into the business as a way to support there alternative lifestyles and are probabily easier to deal with than Arco, Inc or someone like that would be.

Their address is: Home Power Magazine
                    PO Box 130
                    Hornbrook, CA 96044-0130
                    (916) 475-3179

Back when I got my subscription they sent me a free copy to see what it was like. Good luck and have fun.

- Bill Putney
  billp@tymnet.com

From -3439692343169598535
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df81b34065bc664d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 16:12:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!cbnews!cbnewsm!cbnewsl!cbnewsk!ad7i
From: ad7i@cbnewsk.att.com (paul.newland)
Newsgroups: rec.ham-radio
Subject: Rhombic Antennas
Keywords: Rhombic Antenna
Message-ID: <1991Jan17.001209.10262@cbnewsk.att.com>
Date: 17 Jan 91 00:12:09 GMT
Organization: AT&T Bell Laboratories
Lines: 59

I've been involved with AT&T's HF marine radio stations for a number of years. My interest is primarily in HF data communcations but I also provide general purpose RF engineering advice on other stuff to them as well. Rhombic antennas are at the heart of these HF radio stations, both for transmit and receive.

The "book" that most of the technical people refer to about rhombics is "Rhombic Antenna Design" by A. E. Harper of Bell Labs. It was published by Van Nostrand in 1941. There's a wonderful picture on the inside front cover of a linear array of some 20 rhombic antennas that were installed at Manahawkin New Jersey before the war (WW-II) that provided point to point service to London. Now that's GAIN!!! (Actually, it wasn't;

the system was used for space diversity instead of gain enhancement; you put rhombics side by side for more gain, not end to end) Anyway, this seems to be the "book" that most of the rhombic info is based on. I doubt very much that this book is still in print.

Here are some rules of thumb and "how we do it"s that might be of interest. The feed impedance is somewhere between 300 and 900 ohms with nominal considered to be 600. When used for receive the terminators are big resistors (big so that they can better absorb lightning surges) at one end of the diamond and the other has a good size balun (say 50 watts worth if it was used for tranmit) to convert to 50 ohm coax. Coax is used to bring the receive signals back into the receiver building. For transmit, the output of the transmitter (50 ohms, 10 KW) goes to an antenna matrix that's used to connect different antennas to different transmitters. The output of the maxtrix goes to a BIG balun inside the transmitter building that converts the 50 ohm line to 600 ohms. There's one balun for each transmitter.

Open wire is used to get the TX energy from the building up to one end of the rhombic diamond. In general, about 20% of the energy fed into one end of the diamond comes out the other. If you short the other end of the diamond then you have a somewhat bidirectional antenna with a back lobe that's about 7 dB down. To get unidirectional operation, the short is replaced with a 600 ohm resistor that absorbs all of the 20% available energy and nothing flows back the other way. In practice, a resistor is not used. Instead a very lossy feed-line is connected to the far end of the diamond and the signal is brought down to eye-ball height where the lossy feedline heads back to the pole near the feeding end. The direction is not important. The goal here is just to have a long length of lossy feedline. Keeping it under the antenna just keeps it out of the way of other stuff. Usually, the far end of the lossy feedline is simply shorted together so the engergy that reaches the short has to go all the way back through the lossy cable before it can be radiated by the antenna. The lossy feedline that acts at the terminating resistor is just open wire that's made from iron instead of copper-weld.

I hope this information is useful. If you have the space and know which direction you want to go, it's tough to beat a rhombic for low installation cost, low maintenance and good performance.

Regards,

Paul Newland, ad7i

From -6828462060475297713
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76489b0e31b4a973
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 17:04:23 PST

Path: gmdzi!unido!mcsun!uunet!europa.asd.contel.com!sura.net!haven!ames!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!caen!hellgate.utah.edu!uplherc!wicat!keithm
From: keithm@wicat.UUCP (Keith McQueen)
Newsgroups: rec.ham-radio
Subject: Re: Standard 12V DC Connectors
Message-ID: <519@wicat.UUCP>
Date: 17 Jan 91 01:04:23 GMT
References: <CMM.0.88.663862134.rdixon@magnus.ircc.ohio-state.edu> <18933@shlump.nac.dec.com>
Reply-To: keithm@wicat.UUCP (Keith McQueen)
Organization: WICAT Systems, Orem, Utah
Lines: 17

Our ARES group standardized several years ago on the Anderson Power-Pole connectors that started this thread. They are literally the best connector for this job that we have found. They are rated for 30 Amps, they are genderless, but cannot be connected in the wrong polarity, they do a very good job of insulating the contacts when not connected, and are relatively inexpensive.

Since that time, the rest of the state has started standardizing on the same connector. Not only that, but the local law enforcement agencies are doing the same thing. Now, when I get called to provide hams for some emergency, (I'm now EC) I can put my equipment into a sheriff's car with a minimum of fuss if needed.

```
--
 Keith McQueen, Wicat Systems Inc. , (801)224-6400      | My opinions are |
 N7HMF @ NV7V.UT.USA.NA (84058), 147.34+, 449.675-      | all mine...     |
 UPLHERC!WICAT!KEITHM                                   | ...so there!    |
```

From 7154489644895340841
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8cb8b7404e157cc6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10841b,8cb8b7404e157cc6,start
X-Google-Attributes: gid10841b,public
X-Google-ArrivalTime: 1991-01-16 17:22:16 PST
Path: gmdzi!unido!mcsun!uunet!unisoft!hoptoad!kumr!kamins
From: kamins@kumr.UUCP (Scot Kamins)
Newsgroups: rec.ham-radio,comp.sys.mac.hypercard
Subject: Ham License Text Files Needed
Message-ID: <289@kumr.UUCP>
Date: 17 Jan 91 01:22:16 GMT
Organization: Late Night Software (San Francisco)
Lines: 63
Xref: gmdzi rec.ham-radio:19558 comp.sys.mac.hypercard:4888

This is a repost of an article I first posted on 1/9/91. I'm reposting it because I got -NO- responses. Nada. Zip. I'm hoping the reason that I got no responses is that the article didn't get out. (Hope springs eternal...)

I'm currently developing a drill-and-practice HyperCard (Macintosh) stack for people interested in becoming Ham operators, or interested in upgrading to higher licences (eg, tech to general). While I'm still in the process of designing the feature set, the stack will do the following:

- *let the user study the questions in sections (eg Rules and Regulations, Operating Procedures, etc.)
- *present the questions as a drill (says immediately if an answer is wrong, lets you ask for more info, etc.) or test (automatically goes to next question as soon as you've answered one, etc.)
- *presents the question (eg "3AA-1.1 What is the control point of an amateur station?")
- *presents the four alternate answers
- *lets the user answer by typing the proper answer's choice letter (A,B,C,D), or by clicking on the proper answer's field
- *keeps and displays total records (right answers, wrong answers, scores)
- *if the user wants, presents again the missed questions
- *provides additional information about a given question, and perhaps says why an incorrect answer is incorrect
- *plus a host of additional features as folks suggest them.

The stack will be shareware (or, as these things usually turn out, Freeware); it will be posted to the proper Usenet newsgroups when it's completed.

Here's where you come in: I need someone to type the questions and answers, to send me text files with the info already typed, or to suggest where I could get the textfiles. (My hands are full just designing and programming the stack.)

If you have this stuff already in ASCII textfile format, please send it to me ASAP. (All test levels needed.) You get prominent name credit on the stack.

If you type the stuff yourself, you get prominent name credit + 40% of any dough that comes in, after I subtract postage & media expenses. (OK, 50%. I don't want to quibble.   ;-)   )

Format should be:

```
                <number>  <question>
                A. <answer>
                B. <answer>
                C. <answer>
                D. <answer>
                <letter of correct answer: A.B,C, or D>
```

Here's an example:

3AA-1.1 What is the control point of an amateur station?
A. The operating position of an amateur radio station where the control operator function is performed
B. The operating position of any amateur radio station operating as a repeater user station

C. The physical location of any amateur ratio transmitter, even if it is operated as a radio link from some other location
D. The variable frequency oscillator (VFO) of the transmitter
D

This format is ideal; If you have this stuff in some other format, I'll take it!!

I'm also looking for suggestions for other features.

To prevent cluttering up net bandwidth, please email suggestions, curses, flames, files to me:

kamins@kumr.uucp   or   kamins@wet.uucp

But to allow for discussion, I won't use the "Followup-To: Poster" option.

Muchos Thankos!!

--
Scot Kamins   Co-author, "HyperTalk 2.0: The Book"
(415) 282-8872   (with Dan Winkler)
671 28th Street   San Francisco   94131
uunet!hoptoad!kumr!kamins   kamins@wet.UUCP

From 8717474627674837293
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,528b764f2711a0a3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 17:33:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: On having a copy of the Part 97 rules
Message-ID: <1250340@hpnmdla.HP.COM>
Date: 17 Jan 91 01:33:46 GMT
References: <22696@ttidca.TTI.COM>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 9

In rec.ham-radio, dube@cpdvax.csc.ti.com writes:

>Someone asked how many hams have a copy of the FCC rules? Right. And how
>many drivers have a copy of their states' driver manual?

Believe it or not, I have both. If you think the Amateur regulations are complicated, try reading the Calif. Motor Vehicle Code sometime!

AL N1AL

From 1426841165377849596
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,72c9363b386517fe
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 17:37:42 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: NBFM on HF...
Message-ID: <1250341@hpnmdla.HP.COM>
Date: 17 Jan 91 01:37:42 GMT
References: <7575@plains.NoDak.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 15

In rec.ham-radio, enders@plains.NoDak.edu (Todd Enders - WD0BCI ) writes:


>     The question that makes me think is: How narrow can one make an
>FM voice signal?  I'd think that NBFM would be competitive with SSB
>(maybe even better due to capture effect?) if it could be squeezed
>into a comparable bandwidth.

It can never be narrower than twice the highest modulation frequency.
If you modulate with a 3 kHz tone, even if deviation is only 1 Hz, the
sidebands will still be + and - 3 kHz from the carrier.  True, they
will be very weak, but if you filter them off, all modulation
disappears, and you have no way of transmitting the information.

AL N1AL


From 7238811187576911959
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b066034cfe41689
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 19:30:04 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ub!dsinc!bagate!
cbmvax!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: smith.ps:  Smith Chart generator (PostScript)
Message-ID: <1081.2794D484@w8grt.fidonet.org>
Date: 17 Jan 91 03:30:04 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 23


 > From: eyg@hpnjld.HP.COM (Ed Gilbert)
 > Date: 15 Jan 91 13:22:41 GMT
 > Organization: Hewlett Packard NJD, Rockaway NJ
 > Message-ID: <4140035@hpnjld.HP.COM>
 > Newsgroups: rec.ham-radio
 >
```

> > The following is a shar archive of a PostScript program which prints out
> > a Smith chart. Such a chart is useful to RF engineers and other
>
> Does anyone have a program that gives you the same information as a
> Smith chart? I'd like a program that has inputs of line Z, line
> attenuation,
> and termination impedance a+jb, and gives you the transformed impedance
> at some distance from the termination.

There used to be a program in CompuServe's HamNet called SMITH.ARC. Dunno if
it's still there.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 4192766789575613022
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,104d82c82da6fb5a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 20:03:14 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
decwrl!shelby!rutgers!cbmvax!heimat!dan
From: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Newsgroups: rec.ham-radio
Subject: Re: WEFAX question and comments
Message-ID: <251@heimat.UUCP>
Date: 17 Jan 91 04:03:14 GMT
References: <D81EB1CC7F9FC0305C@ulkyvx.bitnet> <20574@netcom.UUCP>
<246@heimat.UUCP> <20942@netcom.UUCP>
Reply-To: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Organization: Sneakers Computing, West Lawn, PA
Lines: 33

In article <20942@netcom.UUCP> mcmahan@netcom.UUCP (Dave Mc Mahan) writes:
>
> In a previous article, dan@heimat.UUCP (Dan 'Sneakers' Schein) writes:
>>In article <20574@netcom.UUCP> mcmahan@netcom.UUCP (Dave Mc Mahan) writes:
>>>
>>>suspect that they are. Of course, the amiga really isn't too usable while
>>>an image is being received.
>>>
>> I beg to differ ;-)
>
>Ahh, but dan, you have to remember that most folks don't realize you are using
>a 68020 CPU with bunches of extra memory while I was speaking for the rest of
>us that have 'only' a 68000 and standard RAM. Didn't your mom ever tell you
>it's not nice to brag and leave out the juicy details?   :-)
>
  I thought that might get a reply from you ;-)

My amiga is equipped with a 020, 4 megs of (fast) memory, and 1 meg of (chip) memory. So I may have a slight advantage over some others. However with my setup Dave's package has been made to multi-task with many other programs. Overall WeFax has served me very well and provided some of the best 'Press Fax' photos ive seen.

Thanx Dave!

```
--
     |\/\/\/|   +---------------------+------------------------+      _____
     |      |   |   US Mail Address   |      E-Mail Address    |     /     \
     | (o)(o)   +---------------------+------------------------+    |     \/\/
     (      _)  | Sneakers Computing  | dan%heimat@commodore.com |   (o)(o)  |
      | ,___|   | 2455 McKinley Ave.  |          -or-          |   (_---.   )
      |   /     | West Lawn, PA 19609 | uunet!cbmvax!heimat!dan  |    |___.| |
     /    \     +---------------------+------------------------+     \__/  |
    /______\                                                         /_____\
```

From 7649038483772419348
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4350b7794093a79c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 21:59:49 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!rpi!uwm.edu!linac!att!att!fang!atssc!so9see!akgua!atl2!valha1!jal
From: jal@valha1.ATT.COM (Joseph Leggio WB2HOL)
Newsgroups: rec.ham-radio
Subject: Re: Standard 12V DC Connectors.
Message-ID: <575@valha1.ATT.COM>
Date: 17 Jan 91 05:59:49 GMT
References: <14.Jan.91.13:07:27.GMT.#1503@UK.AC.NWL.IA>
Organization: AT&T Customer Software Services Center, Valhalla, NY
Lines: 29

From article <14.Jan.91.13:07:27.GMT.#1503@UK.AC.NWL.IA>, by PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon"):

```
> I use 8-way Cinch-type connectors with all the 'vertical' pins for the + side
> and the horizontal pins for the - side. This way, there is plenty of metallic
> contact area (so i have no worries about putting 20 amps through them...) they
> do not melt, and reversibility is not a risk. Small nylon ty-wraps can
> be used to keep them mated in semi permanent setups.
>
>      ! !   +ve
>      ! !   +ve
>      - -   -ve
>      - -   -ve
```

In our area we all use the 4 pin Cinch-type connectors. They are available at Radio-Shack and everyone is told to hold them so that they form a pair of T's, then wire the negative to the two horizontal blades (hint: they are the minus (-) sign) and the positive to the vert. blades.   Every once in a while our club makes a bulk purchase of the metal shell version for our members. They are a little more rugged.

```
             -------------
             !  ---  --- !   <- negative
             |           |
             !   |    |  !   <- positive
             !           !
             -------------
```

Joe Leggio WB2HOL
att!valha1!jal

```
From 2919692324222410519
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76489b0e31b4a973
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 22:37:43 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!elroy.jpl.nasa.gov!
zardoz.cpd.com!dhw68k!emmayche
From: emmayche@dhw68k.cts.com (Mark Hartman)
Newsgroups: rec.ham-radio
Subject: Re: Standard 12V DC Connectors
Message-ID: <1991Jan17.063743.10384@dhw68k.cts.com>
Date: 17 Jan 91 06:37:43 GMT
References: <"15-Jan-91..7:59:50.PST".*.PMcAfee.El_Segundo@Xerox.com>
<5965@ptsfa.PacBell.COM>
Organization: Wolfskill & Dowling residence; Anaheim, CA (USA)
Lines: 18
Posted: Thu Jan 17 00:37:43 1991
```

It may indeed be true that "everyone has their own standards," but I thought that everyone (at least in California) might be interested that the State RACES group has adopted the Anderson Power Poles (one of the few "sexless" connectors I've seen) as their standard 12VDC connectors. If you're in California and have any interest in using your equipment on State power during an emergency, I suggest you look into them.

For hams in other areas - check into them. They're inexpensive and very reliable.

Disclaimer: I have no affiliation with Anderson other than being a satisfied customer (therefore having many connections :-)).

```
--
Mark Hartman, N6BMO           "What are you just standing there for?  Where
Applelink: N1083 or BINARY.TREE      do you think you are, DIS-ney World??"
Internet: emmayche@dhw68k.cts.com                -- General Knowledge, from
uucp: ...{spsd,zardoz,felix}!dhw68k!emmayche                CRANIUM COMMAND
```

```
From -6109988510117968774
X-Google-Language: ENGLISH,ASCII-7-bit
```

X-Google-Thread: 10c9e3,f0054f5375d8bf27
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 22:42:24 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: Caller ID, Telephone
Message-ID: <306@bongo.UUCP>
Date: 17 Jan 91 06:42:24 GMT
References: <YETSKO.91Jan16115948@interlan.interlan.com>
Reply-To: julian@bongo.info.com (Julian Macassey)
Distribution: rec.ham-radio
Organization: Pacifists on Steroids Hollywood California U.S.A.
Lines: 22
Summary:
Expires:
Sender:
Followup-To:

In article <YETSKO.91Jan16115948@interlan.interlan.com>
yetsko@interlan.interlan.com writes:
>
>I heard fron an individual recently that he 'heard' that this new caller ID
>on phone services was simply a digital tone burst dropped on the phone
>line preceding the ring voltage. Supposedly this is standard BELL 202 FSK
>tones, but I have no idea of the format.

Yes, that is right. For full details, obtain Bellcore Technical Reference TR-TSY-000030. Mine is marked Issue 1, November 1988. The title is: SPCS Customer Premises Equipment Data Interface.

You can obtain docs on just about everything you want to know about the U.S. Phone system. Docs are published by AT&T, Bellcore, GTE and the U.S. Gummint as the FCC and REA.

To purchase Bellcore docs and get their fascinating catalogue, call the BELLCORE CUSTOMER SERVICE HOTLINE (201) 699-5800

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@N6YN (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From -8829336532741281840
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,53f285216174b5ec
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 23:13:46 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!wuarchive!emory!gatech!kd4nc!km4ba!alan
From: alan@km4ba.UUCP (Alan Barrow)
Newsgroups: rec.ham-radio

Subject: Re: how about muskets
Message-ID: <231@km4ba.UUCP>
Date: 17 Jan 91 07:13:46 GMT
References: <133@canada.sbi.com>
Organization: km4ba's packet radio gateway, Atlanta GA.
Lines: 12

jerrys@canada.sbi.com (Jerry Simonowits) writes:

>What really disturbs me as a tax payer is that the cadets don't have to
>qualify on muskets to graduate, and on cross-bow's to make capt. (smile..)

But future F-15 drivers still have to learn to shoot a rifle! :->

(This comment is not intended to pro or anti code. Just
an observation.)

Alan Barrow km4ba

From 19172789222484026
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d4af6ce8d2a70c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 23:16:59 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!swrinde!ucsd!sdcc6!ee299aj
From: ee299aj@sdcc6.ucsd.edu (Jung Ching Ho)
Newsgroups: rec.ham-radio
Subject: Re: Heathkit SB-1400 info please
Message-ID: <15686@sdcc6.ucsd.edu>
Date: 17 Jan 91 07:16:59 GMT
References: <1598@eastman.UUCP>
Organization: University of California, San Diego
Lines: 4

I think the HEATHKIT SB1400 is an equivent model of YAESU FT-747.

JC,N6YEI

From 8021023499451140826
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17f83723d1de97b6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 23:38:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!apple.com!winter
From: winter@apple.com (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Attack planning by celestial navigation? (P. Karn)

Keywords: Iraq, GPS
Message-ID: <48202@apple.Apple.COM>
Date: 17 Jan 91 07:38:19 GMT
Sender: winter@Apple.COM
Reply-To: karn@thumper.bellcore.com
Organization: Apple Computer Inc, Cupertino, CA
Lines: 56

[Phil's news server is acting up tonight so he asked me to post this for him. His copy will probably show up on the net eventually. --pw]

Tuesday afternoon I read in Aviation Week that only 10 of the DoD's planned 18 Global Positioning System (GPS) block II satellites have been launched and were operational. This means that the GPS navigation service is not yet continuous world wide.

It suddenly occurred to me that GPS coverage windows might be a factor in the timing of the US attack on Iraq and Kuwait; especially at the beginning of an nighttime air attack, precise and accurate navigation would be very important.

Since I have both the GPS operational status listing and a complete set of GPS satellite orbital elements, I thought it might be interesting to run off a set of GPS coverage windows for Baghdad. Unfortunately I didn't have time to write the program until well after the attack had begun tonight, but I think the results are still very interesting.

A GPS receiver requires at least 4 satellites to be visible simultaneously in order to produce an unambigous fix in latitude, longitude, altitude and time. (Theoretically, you need only three satellites if you have an accurate, i.e., atomic, clock in the receiver. But lots of civilian GPS receivers have been shipped to Saudi Arabia, and these certainly don't have atomic clocks.)

Here are the results.

Sunset in Baghdad occurred at about 1500 UTC on Wednesday the 16th (6pm local time). At that time, there was four satellite coverage. This lasted about two hours, when there was a 10 minute period in which only three satellites were visible, and then four satellite coverage returned for another hour.

However, at that point, coverage got much poorer (at one point consisting of only one satellite) until 2240 UTC when three satellites returned. Four satellites returned at 0040 UTC. At least four satellites were then visible until 0320 UTC. Four satellite coverage returned at 0600 UTC.

The actual attack on Baghdad started at 0000 UTC on the 17th. It seems to have lasted for several hours. And now a report on CNN right now (0612 UTC) says that a second wave might be starting.

Hmmm. Could it be...?

The region does have good continuous Loran-C coverage from permanent sites
in Saudi Arabia, and of course inertial navigation is probably available in
every US military plane and missiles. On the other hand, GPS is the most
accurate navigation system ever built. Its availability might have been a
factor in planning, especially given the billions of dollars that the DoD
has invested in it so far...

Phil

From -3312031100156486148
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,78db30c0d71f8f93,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 02:37:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!agate!ucbvax!TRIUMFER.BITNET!MULTI
From: MULTI@TRIUMFER.BITNET
Newsgroups: rec.ham-radio
Subject: Second Source for 600 Hz CW filter in Yaesu FT-101
Message-ID: <91Jan17.064211est.57405@ugw.utcs.utoronto.ca>
Date: 17 Jan 91 10:37:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6

Apparentlly Yaesu no longer manufactures the 600 Hz CW filter for the Yaesu
FT101 series. Does anyone know the name and address of a second source for
these filters?

Y.N. Miles,
<MULTI@TRIUMFcl.BITNET>

From 5015143457747190801
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2189cd05e3678aec,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 02:37:25 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!agate!ucbvax!
ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House,
Swindon")
Newsgroups: rec.ham-radio
Subject: The UK No-code experience.
Message-ID: <17.Jan.91.10:47:47.GMT.#3586@UK.AC.NWL.IA>
Date: 17 Jan 91 10:37:25 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 46

Harry Bloomberg WA3TBL recently asked::
>
>   What is the UK's experience with a codeless license? Have poor operating
>practices increased since the UK went no-code? Has technical innovation
>improved? What lessions can the US draw from the UK's experience?
>

I cannot speak for operating practices on HF as i do not have a licence for
those bands (HF? Thats almost DC isnt it?) but i do sometimes listen, and
can think of nowhere i would less like to work!
On VHF, well, there are occasional outbreaks of bad practices (such as the
jamming of repeaters) but this is more often than not done by people who do
not hold licenses in any case (i.e. pirates).
What *HAS* happened is that the number of active hams on VHF has *FALLEN* over
the last few years (there was a burst of new hams in the early 1980's, not
coincident with the no-code license (this was introduced in the 1960's), and
now the active ham population seems to be falling...)
If you hang around the repeater channels you will sometimes hear examples
of bad operating practices (doubling, people spelling out their calls
(and the calls of all other stations they are working) phonetically at
the beginning & end of every transmission) but such people soon learn.
We do have one possible advantage over the States in that we have a band
for which none of the big commercial equipment-makers supply anything....
I speak of the allocation between 70 and 70.5MHz.
People on this band have almost always got there by
building something themselves, or converting commercial gear, so they tend to
be the more technically-competent hams that use this band. You can also use
70MHz without fear of being interrupted by people from outside the UK wanting
to work you as DX!!   :-) :-) :-)   70MHz is really the 'experimenters
band' where you can hear double-sideband AM, SSB, FM, packet, CW etc. all
sharing the band in harmony and with respect for each other. What a
sanctuary of blissful relief from the baying hordes of 14MHZ contests!

70MHz is our 'alternative' band. I guess its the Britishers compensation
for not having any privileges around 220MHz.

The UK has just introduced a 'novice' license (simple exam gets you 3 watts on
VHF bands, take a CW test and get 3 watts on some parts of HF) but bearing in
mind the fact that theres not much difference in difficulty between the
written test for 'novice' and the written test for the full 'class B', i would
guess most people will go for the 'class B' and be allowed full power on VHF.
Holders of existing class 'B' licenses who pass the 'novice' CW test (which
if i remember, is 5WPM), will be allowed 3 watts in the novice sectors of the
HF bands. To get full HF privileges you need a 12WPM CW pass in the UK.

Pete Lucas PJML@UK.AC.NWL.IA G6WBJ@GB7SDN.GBR.EU

From -4192406609946895416
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f1849576b01d8ab1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 03:04:23 PST

Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!uakari.primate.wisc.edu!
zaphod.mps.ohio-state.edu!rpi!uwm.edu!rutgers!njin!spcvxb.spc.edu!1estebanez_l
From: 1estebanez_l@spcvxb.spc.edu
Newsgroups: rec.ham-radio
Subject: WANTED: Info for new user
Message-ID: <1991Jan17.110423.1001@spcvxb.spc.edu>
Date: 17 Jan 91 11:04:23 GMT
Organization: St. Peter's College, US
Lines: 8
Posted: Thu Jan 17 05:04:23 1991

I am interested in Ham Radio Groups/Clubs in the Newark, NJ or
Northern NJ area. I would also appreciate any info on getting
started in HAM radio and how to get liscenced.

Please reply via EMAIL to Lou at:

```
     1ESTEBANEZ_L@SPCVXA.SPC.EDU INTERNET
          "          "  .BITNET  BITNET
```

From -8201058177848657225
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f676054bfd66f52
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 05:13:42 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!
uwm.edu!bionet!agate!ucbvax!rx.xerox.com!hugh_davies.wgc1
From: hugh_davies.wgc1@rx.xerox.com
Newsgroups: rec.ham-radio
Subject: UK's experience with no-code license
Message-ID: <"17-Jan-91.13:13:42.GMT".*.hugh_davies.wgc1@rx.Xerox.com>
Date: 17 Jan 91 13:13:42 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Thu Jan 17 07:13:42 1991

Harry P Bloomberg, WA3TBL,
(agate!bionet!uwm.edu!rpi!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!
hpb@ucbvax.Berkeley.EDU)
asks;

<...
   What is the UK's experience with a codeless license? Have poor operating
practices increased since the UK went no-code? Has technical innovation
improved? What lessions can the US draw from the UK's experience?
...>

I'm sorry, Harry, but I can't really answer your question in any meaningful
way. The UK has had a no-code license for longer than I've been interested in
amateur radio, and *much* longer than I've had a license. All I can say is that
we have our fair share of bozos too, but no more than you do, at least so far

as I can see (hear?), although ours tend to be on the South London 144MHz repeater rather than 14.313MHz!

73,

Hugh Davies, G0CNR.

(P.S. I would have mailed this, but there's no way my mailer will accept
"agate!bionet!uwm.edu!rpi!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!hpb@ucbvax.Berkeley.EDU"
as an address.)

From 6441133848437044371
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,325f1bbc975cd258,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 05:34:50 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!snorkelwacker.mit.edu!apple!agate!ucbvax!NADC.NADC.NAVY.MIL!rachiele
From: rachiele@NADC.NADC.NAVY.MIL
Newsgroups: rec.ham-radio
Subject: Existing 610 form
Message-ID: <9101171334.AA03361@next0.looney>
Date: 17 Jan 91 13:34:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18

Concerning VE sessions having a hard time processing applicants

who come in with certificates for elements 2 and 3a:
I am looking at a current 610 form. In the top section, to be filled out by the VE, there is ample room for latatude in specifying that certificates are being used for each requirement (although the section on applying credit for licences held may need updating, since T should no longer give you automatic credit for element 1a). But in section I, question 2, there are only lines (to be checked off by the applicant) for Examination for new licence and Examination to upgrade. This seems to imply that an exam must take place. It would be a good idea for the FCC to, when updating this form, change the word "Examination" to "application", but until the form is

updated, I'm sure any sane VE (and maybe even Dave Heller as well) could figure out how to submit the old form to handle the new case.
Jim, NE3X
rachiele@nadc.nadc.navy.mil

From 978476296870111728
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,147263284118940
X-Google-Attributes: gid10c9e3,public

```
X-Google-ArrivalTime: 1991-01-17 06:11:04 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!think.com!hsdndev!husc6!
genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: Re: Exam Procedure
Message-ID: <40365@genrad.UUCP>
Date: 17 Jan 91 14:11:04 GMT
References: <18992@shlump.nac.dec.com> <48105@apple.Apple.COM>
Sender: news@genrad.UUCP
Reply-To: dls@freedom.genrad.COM (Diana L. Syriac)
Organization: GenRad, Inc., Concord, Mass.
Lines: 46
```

In article <48105@apple.Apple.COM> kchen@Apple.COM (Kok Chen) writes:
>magid@esis.enet.dec.com (Joel Magid...) writes:
>> Do they give the 5,13,and 20 WPM code exams as multiple choice ?
>> This should make for a lively debate here.

I've taken tests with ARRL and I've taken tests with W5YI. I'd say that MOST VEs give a fill-in-the-blank question test, but some W5YI VEs do use multiple choice.

Other hints that should be OBVIOUS but sometimes aren't. You get TWO chances to copy the callsigns of the two stations, once at the beginning, and once at the end. So you should be able to piece together the callsigns afterward if you miss some of it during the actual copy.

After the code is sent, you CAN fill in the blanks of what you missed, so go ahead and read back thru what you copied and fill in what you can figure out! You might get a minute of solid copy that way, too!

Each and every Morse code test MUST have at least one occurrence of: all letters A-Z; all numbers 0-9; the period; the comma; the question mark; the slant sign; double dash (BT); end of message (AR); and end of contact (SK). For the three prosigns, they should allow you to use WHATEVER designator you want, AS LONG AS YOU DEFINE THEM (for example, I wrote at the top of page, Greek alpha = AR, ampersand = SK, long dash = BT, and they accepted it). Almost guaranteed, the last couple of "letters" will be AR, followed by SK.

All prosigns, punctuation and numbers are worth TWO letters, when counting up a solid minute of copy.

For the 10 question test afterwards, DON'T leave any blank empty. Even if you don't know the answer, look at what you copied and make a REASONABLE (or even unreasonable, if you copied nothing for that item) GUESS. They don't count the wrong answers against you, and maybe your guess will be right!

While the prosigns KN (used at end of one side of a contact, meaning back to you), and AS (meaning wait) will NOT be on the test, they are useful to know, if you listen to real contacts on the radio, or if you listen to W1AW.

Diana

```
->Diana L. Syriac      dls@genrad.com         Ham: KC1SP (Sweet Pea)      <-
->I'D RATHER BE FLYING! P-ASEL, INST      CAP: 1LT, Freedom 690 Mobile<-
->GenRad                      AD ASTRA, PER ASPERA        <-
->MS/6, 300 Baker Ave, Concord, Mass.  01742   (508) 369-4400 x2459       <-
```

From 1809299859672386498
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a2aadffff275f5b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 06:53:17 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!dptspd!lcz
From: lcz@dptspd.sat.datapoint.com (Lee Ziegenhals)
Newsgroups: rec.ham-radio
Subject: Re: Call sign server
Message-ID: <lcz.664123997@dptspd>
Date: 17 Jan 91 14:53:17 GMT
References: <YETSKO.91Jan16110247@interlan.interlan.com>
Distribution: rec.ham-radio
Organization: Datapoint Corporation, San Antonio, TX
Lines: 51

There has been a bit of confusion regarding the address for obtaining help on my email callbook server. My previous posting may have been ambiguous, so I'm reposting the information. Since there have been so many requests for the help file, I'm going to post it here again.

Please note that the address is "callbook@sat.datapoint.com". The other address, "callbook-help@..." goes to a real live ham radio operator type person (me!), and should be used only if you have additional questions or comments.

Thanks,
73/Lee, N5LYT

The callbook server is accessed by sending mail to callbook@sat.datapoint.com. Include the following line in the body of your message:

```
     lookup <callsign> [<callsign> ...]
```

The maximum length of a lookup command line is about 200 characters. You may specify more than one lookup command if needed.

The following commands are also recognized:

```
     path - specify a return address (user@domain or bang!path!user)
     help - return this help text.
     quit - quit scanning for commands.
```

Path should not normally be needed, since the mailer should be able to resolve your address. If you do not get a response from the server, you might try including a path command.

Quit is not usually needed either, but may be used if you have a signature that contains things that look like server commands.

Examples:

```
     lookup n5lyt           <= About as simple as you can be

     lookup n5lyt ns5i ka5pfm    <= Look up more than one call

     path bob@foo.com       <= A bit more complicated example
     lookup n5lyt
     quit
```

If you have any questions, send mail to callbook-help@sat.datapoint.com.

Thanks,
Lee Ziegenhals, N5LYT
7 June 1990

From 8662948335259422872
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a2bc1a51d4116639,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1126ff,a2bc1a51d4116639,start
X-Google-Attributes: gid1126ff,public
X-Google-ArrivalTime: 1991-01-17 07:08:34 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!snorkelwacker.mit.edu!
apple!julius.cs.uiuc.edu!usc!sdd.hp.com!samsung!know!eli
From: eli@pws.bull.com (Steve Elias)
Newsgroups: alt.dcom.telecom,rec.ham-radio
Subject: how did CNN get their audio feed from baghdad?
Message-ID: <20470@know.pws.bull.com>
Date: 17 Jan 91 15:08:34 GMT
Followup-To: alt.dcom.telecom
Organization: Bull Worldwide Information Systems, Inc.
Lines: 16
Xref: gmdzi alt.dcom.telecom:3 rec.ham-radio:19510

do any of yall have an theories (ahem ahem) about how the CNN cats in the baghdad hotel managed to keep their audio feed alive?

there was obviously a phone link involved on the US end at least, but the reporters on the scene were using a *microphone*, not a telephone to talk into. plus, other networks phone links were not working. and the baghdad telecom CO is apparently missing part of its top floor, as well as having many melted satellite dishes.

```
my theory is that they used some sort of radiolink to get to someplace
where phones were still working.  some sort of radio-repeater link
set up with local hams, perhaps?  with enough links to get to a
working telephone?  you rec.ham-radio cats are probably familiar
with this sort o technology -- ham to phone links.  what do you think?
--
/* eli@spdcc.com  eli@pws.bull.com    617 932 5598  508 294 7556  */


From -1125342466431868013
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ffb5a2699b19e829
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 07:11:28 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!
bronze!commgrp@silver.ucs.indiana.edu
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: Need a cheap 10.25 GHZ oscillator
Message-ID: <1991Jan17.151128.3939@bronze.ucs.indiana.edu>
Date: 17 Jan 91 15:11:28 GMT
Sender: daemon@bronze.ucs.indiana.edu (Mr Background)
Organization: Indiana University
Lines: 22

>Does anyone know a source for a cheap 10.25 GHZ oscillator ?
>                                    Thanks,
>                                     Lee Stogner,  N4XBD

The February 1991 issue of _73_ magazine has several neat microwave
articles, also a list of sources of microwave components on page 52.
One of the sources is:

SHF Microwave Parts Co.
7102 W. 500S
LaPorte, IN 46350

I sent SASE and got a catalog sheet which lists 10-GHz oscillators for
as little as $15.

--

Frank     W9MKV     reid@ucs.indiana.edu

     "Aha!  The alien Zorg battle-cruiser's BMW disguise is flawed by
     a suspicious lump on the dash.  Set Nuclear Nerd Neutralizer to
     medium-well!"                  [apologies to Calvin and Hobbes.]


From 560564787894496651
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f83e8d7a4b1cf3b
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1991-01-17 07:16:11 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!bronze!silver!anachem
From: anachem@silver.ucs.indiana.edu (|mehcana| (undersampled))
Newsgroups: rec.ham-radio
Subject: Re: Ham Flyer for local Radio Shack stores
Summary: Is ELMER a FUDD?
Message-ID: <1991Jan17.151611.4137@bronze.ucs.indiana.edu>
Date: 17 Jan 91 15:16:11 GMT
References: <40312@genrad.UUCP> <27080053@col.hp.com>
Sender: news@bronze.ucs.indiana.edu (USENET News System)
Organization: Indiana University, Bloomington
Lines: 42

In article <27080053@col.hp.com> kenw@col.hp.com (Ken Wyatt) writes:

>I think what you are doing is GREAT! I wonder if the average non-ham would understand what an "Elmer" was. You might think about using an alternative word.

I've been reading this group for a few weeks and don't know
(that I'm not part of the "Illuminati" of the waves is obvious)

I at first suspected it was another code fascist buzzword, but considering my naivete, thought that a bit harsh - so what does "elmering" mean?

speaking of code --- my bro still has a code practice machine which he braeks out occasionally to remind me of the laborious process he suffered to obtain his General back in '61 (forgot the name - uses paper tapes). I of course sat there beside him as he constructed his first Knight Kit transmittre (the one he keeps promising to give me as soon as I get my Novice), I tuned the waves with him, I spoke on his station, I felled long slim trees on field days and hefted them to the tops of hills, dug post holes to plant them and helped string the dipoles - all this effort rewarded by as much beer as I could hold (quite a reward for a high school kid). But ny brother doesn't have the enthusiasm he once did - which didn't help my resolve to learn the code.

the last time I prepared to get up to 5 wpm (I'm sure I did) I looked at the non-renewable Novice license as a waste of my time - I didn't plan to increase my speed just to get a General and at that time VHF was not attractive to me. MAybe its a genetic trait, but code has been the stumbling block to all my relatives who have had the interest and the technical knowledge to get into the "hobby" - epecially for one - my uncle who built his own transmitter in the early thirties who never learned the code well enough to meet the relicensing requirements when he let his early license lapse. What a shame - after his death last year my brother cleaned out his shack (it really was a shack built esp for the purpose - between the orchard and the rabbit hutches on the path to the outhouse - funny, now that I think about it, his interest in radio dropped sharply after they installed indoor plumbing in '65. Hmmmm.....)

What was once an active setup is now a virtual museum piece in a spare
bedroom. And to think that it was the code requirement that silenced
that radio pioneer. What a SHAME.

From -1219539381367600241
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,548a3538ce13816a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 07:42:11 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!news.cs.indiana.edu!maytag!watmath!watdragon!daford
From: daford@watdragon.waterloo.edu (Daniel Ford)
Newsgroups: rec.ham-radio
Subject: University ham net (when/where?)
Message-ID: <1991Jan17.154211.10444@watdragon.waterloo.edu>
Date: 17 Jan 91 15:42:11 GMT
Organization: University of Waterloo
Lines: 6
Posted: Thu Jan 17 09:42:11 1991

I know there is a ham net for university stations but don't know
when or what frequency. Could someone let me know please. Thanks.

Dan Ford
CS, UofW
VE3DFI

From -8916216887282118704
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0c464f06bb949ae,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,b0c464f06bb949ae,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,b0c464f06bb949ae,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1991-01-17 07:50:12 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!bloom-beacon!deccrl!news.crl.dec.com!shlump.nac.dec.com!ryn.mro4.dec.com!melee.enet.dec.com!manoj
From: manoj@melee.enet.dec.com (Manoj Bhave)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap
Subject: Looking for SAURABH SHARMA
Message-ID: <3792@ryn.mro4.dec.com>
Date: 17 Jan 91 15:50:12 GMT
Sender: guest@ryn.mro4.dec.com
Followup-To: rec.ham-radio
Organization: Digital Equipment Corporation
Lines: 12
Xref: gmdzi rec.ham-radio:19525 rec.ham-radio.packet:3424 rec.ham-radio.swap:921

Saurabh is from Poona and graduated from CoEP (Electronics). Worked as Software
Engr for Telco & Thermax. Also an active HAM. Lost contact with him. Last I

heard about him was from LA.

If anyone knows about him, please communicate to me this contact details.

Saurabh, if you are reading this message, please contact me.

Thanks.

Regards,   508-755-4821 (Home)
Manoj Bhave (Ex Datapro, Poona).   508-467-3935 (office)

From 5142421403263803475
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,72c9363b386517fe
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-17 08:32:08 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: NBFM on HF...
Message-ID: <58130016@hpcupt1.cup.hp.com>
Date: 17 Jan 91 16:32:08 GMT
References: <7575@plains.NoDak.edu>
Organization: Hewlett Packard, Cupertino
Lines: 8
Posted: Thu Jan 17 10:32:08 1991

An article disscussing the merits of micro-modulation in the April
issue of QST is somewhat doubtful as to it technical merits. An
on going tradition in the April issue is, of course, the April fool
article. Sometimes one has to read very carefully to determine if
the article is in fact the April fools article.
73's
Jim, WA6SDM
holly@hpcupt1.cup.hp.com

From -2413974189936737555
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fff48e4989d6f8e6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 04:41:02 PST
Path: gmdzi!unido!mcsun!ukc!axion!parsley!jmitchen
From: jmitchen@axion.bt.co.uk (Jonathan Mitchener)
Newsgroups: rec.ham-radio
Subject: IC-02E Mods ?
Message-ID: <1991Jan15.124102.8182@axion.bt.co.uk>
Date: 15 Jan 91 12:41:02 GMT
Sender: news@axion.bt.co.uk
Reply-To: jmitchen@axion.bt.co.uk
Organization: British Telecom Research Labs
Lines: 12

Organisation: British Telecom Research Labs, Martlesham Heath, IPSWICH UK

Does anyone out there know of mods to the ICOM IC-02E 2m handheld tcvr
to give it extended receive coverage ? I'm particularly interested in the
UK version of the rig, although info about -02AT's etc. would also
be appreciated.

Thanks,
     Jonathan. (G0DVJ). jmitchen@axion.bt.co.uk.
~~~~~~
Jonathan Mitchener. Systems & Software Engineering Research Division, RT3324,
British Telecom Research Labs, Martlesham Heath, IPSWICH, Suffolk, IP5 7RE UK.
Tel:+44 473 642598.   Fax:+44 473 643019.   email: jmitchen@axion.bt.co.uk
~~~~~~

From -2506533414519682490
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b066034cfe41689
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 05:22:41 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!uwm.edu!bionet!agate!ucbvax!hplabs!
hpda!hpwala!hpnjld!eyg
From: eyg@hpnjld.HP.COM (Ed Gilbert)
Newsgroups: rec.ham-radio
Subject: Re: smith.ps: Smith Chart generator (PostScript)
Message-ID: <4140035@hpnjld.HP.COM>
Date: 15 Jan 91 13:22:41 GMT
References: <1991Jan9.145555.14746@aplcen.apl.jhu.edu>
Organization: Hewlett Packard NJD, Rockaway NJ
Lines: 9
Posted: Tue Jan 15 07:22:41 1991

> The following is a shar archive of a PostScript program which prints out
> a Smith chart. Such a chart is useful to RF engineers and other

Does anyone have a program that gives you the same information as a
Smith chart? I'd like a program that has inputs of line Z, line attenuation,
and termination impedance a+jb, and gives you the transformed impedance
at some distance from the termination.

                        Ed Gilbert, WA2SRQ

From 3145009080438724285
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 05:45:58 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing

Message-ID: <1991Jan14.213223.8780@ux1.cso.uiuc.edu>
Date: 14 Jan 91 21:32:23 GMT
References: <19917.799.7009@canrem.uucp> <654@chiton.ucsd.edu> <1949@ke4zv.UUCP>
Organization: University of Illinois at Urbana
Lines: 11

gary@ke4zv.UUCP (Gary Coffman) writes:

>What you say is true on the lower portions of HF where FM is not legal.
>But at 10 meters and above, where low power rigs really shine, FM is legal.

What bands are you talking about? What HF bands is FM not legal on where
voice is otherwise legal?
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -3969579104147230420
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 06:37:24 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <1991Jan14.214337.10536@ux1.cso.uiuc.edu>
Date: 14 Jan 91 21:43:37 GMT
References: <1991Jan8.195506.20166@bronze.ucs.indiana.edu> <769@ssc.UUCP>
Organization: University of Illinois at Urbana
Lines: 22

tad@ssc.UUCP (Tad Cook) writes:

>In the early 70s I worked at Amateur Radio Supply in Seattle. About
>once a month someone came into the store to return one of those
>W2AU type baluns that are used for the center of a dipole, complaining
>that an ohmeter test of the feedpoint showed that it was "shorted."

>(hint: the DC resistance across the winding will always be very
>low. At HF it is something else)

It's a FEATURE! It has many purposes.

It can discharge lightning from one dipole into the other.

You can connect the balun in the middle of power lines so you don't
have to pay for wire.

:-)
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 8439890078513669258
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b6fced14dbe7537
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 06:40:15 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: new technician class
Message-ID: <1991Jan14.215354.12520@ux1.cso.uiuc.edu>
Date: 14 Jan 91 21:53:54 GMT
References: <126@canada.sbi.com> <1991Jan10.215543.2696@ux1.cso.uiuc.edu>
<132@canada.sbi.com>
Organization: University of Illinois at Urbana
Lines: 16
Posted: Mon Jan 14 13:53:54 1991

jerrys@canada.sbi.com (Jerry Simonowits) writes:

>Phil,
>   I know, I know. Everyone agrees that if you get your 2 and 3a done before
>2/14 you are entitled to the license. The only question is how do you get it
>done, there is NO process in place to do so.

Well the FCC writes these legal twists in the rules so let THEM get you out of them. Sent a NOTARIZED copy of your CSCE's that have not yet expired, with a completed 610 form, directly to the FCC. Attach a letter citing the new rules and ask for them to issue you a license since you now qualify under the existing rules (after Feb 14).
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -2672228906640758597
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,528b764f2711a0a3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 06:42:59 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!att!linac!pacific.mps.ohio-state.edu!
zaphod!rpi!julius.cs.uiuc.edu!roundup.crhc.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Homebrewing.
Message-ID: <1991Jan14.214730.11237@ux1.cso.uiuc.edu>
Date: 14 Jan 91 21:47:30 GMT
References: <10.Jan.91.13:19:37.GMT.#9701@UK.AC.NWL.IA>

<1991Jan12.015801.27509@NCoast.ORG>
Organization: University of Illinois at Urbana
Lines: 13

allbery@NCoast.ORG (Brandon S. Allbery KB8JRR) writes:

>Must be nice to be able to use AM on 160... voice isn't allowed on it in the
>USA. (What's the FCC's rationale behind this, BTW?)

There is no rationale because 160 meters happens to be the ONLY HF band
on which voice *IS* allowed on the ENTIRE BAND.

How many hams in the USA have a copy of the current rules?
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 6243752785873632060
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bab15566637df30b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 08:04:39 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!zaphod.mps.ohio-state.edu!ub!csn!uswat!ken
From: ken@uswat.uswest.com (Kenny Chaffin)
Newsgroups: rec.ham-radio
Subject: Re: Question for Volunteer Examineers
Message-ID: <14406@uswat.UUCP>
Date: 15 Jan 91 16:04:39 GMT
References: <1796JKOSS00@RICEVM1->
Sender: news@uswat.UUCP
Organization: US WEST Advanced Technologies, CO, USA
Lines: 46

In article <1796JKOSS00@RICEVM1-> JKOSS00@RICEVM1.BITNET (Jordan Kossack) writes:
->
->This is NOT another question about the procedure for obtaining a
->code-free Technician license. Rather, it is regarding expiration
->of CSCEs. I received my tech ticket back in June and passed the
->General theory as well, so I have a CSCE for Element 3B.
->
->Now, suppose I go to a VE session next month and try for my Advanced
->ticket and pass Element 4A (theory) but fail 1B (13 WPM). Obviously,
->I remain a Technician class licensee and receive a certificate for
->4A. What happens if I do not pass either the 13 wpm nor the 20 wpm
->code tests before June? Does my credit for 3B vanish, meaning I'll
->have to retake that element as well as 1B to get an Advanced license
->or is my credit for 3B extended until the expiration date on my CSCE
->for Element 4A? Or something else entirely? I am asking because it
->is a very real possibility that I'll pass 4A and fail 1B, as I find
->it difficult to force myself to study the code regularly during the

->semester, whereas memorizing the band plan is going to be the toughest
->part of 4A (I'm an EE student in the control & communications systems
->area - and yes, I've seen the previous question pool - no problem.)
->
->Thanks and best wishes.   (Or should that be TNX ES 73 ;-)
->
->
->-------
->
-> jkoss00@ricevm1.rice.edu | Jordan Kossack | n5qvi | +1 713 799 2950

Element credit on a CSCE is good for 1 year from when you passed the particular element. If element credit is carried over it is still from when the original test was taken--the FCC and VECs maintain this information.

KAC
VE #4124 for W5YI

"Anybody want a drink before the war?"
Sinead O'Connor

```
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
Kenny A. Chaffin                      {...boulder}!uswat!ken
U S WEST Advanced Technologies              (303) 930-5356
6200 South Quebec
Englewood, CO 80111
<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<
```

From 3806195829109339973
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61f0d9e46c9a0fc5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 08:06:06 PST
Path: gmdzi!unido!mcsun!uunet!zaphod!usc!apple!agate!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: Status of 214- area code HAM BBS numbers
Message-ID: <9101151606.AA16899@tilde>
Date: 15 Jan 91 16:06:06 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 28

15 January 1991

Howdy...

I have tried the following numbers in the Dallas area code (214) and these are my results:

214-960-2730	(NN5I BBS)	DISCONNECTED/NOT IN SERVICE
214-517-4958	(Ham Shack)	DISCONNECTED/NOT IN SERVICE
214-223-0983	(Mark Collard)	Business Voice Phone, never heard of Mark Collard

I didn't try the D.R.I.G. number because I am reasonably sure they are still there.

73,
Bob WA8YCD

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                        !   "In order to accomplish the
 Bob West WA8YCD               !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM      !    the absurd!"
                               !       -- Miguel de Animo y Jugo
 P. O. Box  863069             !
 Plano Texas 75086             !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

From -1404979379491474278
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f259857a3ecb8193,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,f259857a3ecb8193,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-15 08:51:17 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!newstop!eastapps!boat!jkeyes
From: jkeyes@boat.East.Sun.COM (John Keyes - Sun BOS Marketing)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Hallicrafters SX-140 info?
Message-ID: <3915@eastapps.East.Sun.COM>
Date: 14 Jan 91 22:28:29 GMT
Sender: news@East.Sun.COM
Reply-To: jkeyes@East.Sun.COM
Followup-To: rec.radio.shortwave
Organization: Sun Microsystems, Billerica MA
Lines: 20
Xref: gmdzi rec.radio.shortwave:3542 rec.ham-radio:19356

Anybody know about the Hallicrafters SX-140 receiver?

I have an old one -- I don't know how old it is -- that I've been using. I hooked it up to a long wire strung around my attic, and it seems pick pick up things from all over fairly well.

Being a beginner at this, I'm wondering, how good is this model? It's got SSB and a BFO, and seems to work pretty well, but I have no idea how it compares to what the rest of the world uses. It looks pretty simple inside -- lots of empty space and five tubes.

How hard would it be to modify it to receive other frequencies? It has bands for 80, 40, 20, 15, 10, and 6 meters, and I'd like to be able to receive on some "in between" frequencies.

Thanks for any help!

John Keyes
jkeyes@East.Sun.COM

From 8357844811598561948
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5acdfe74c223560a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,5acdfe74c223560a,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1991-01-15 09:26:10 PST
Path: gmdzi!unido!mcsun!uunet!zaphod!unix.cis.pitt.edu!dsinc!netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Building a Linear Translator
Keywords: packet AMSAT broadband LAN WAN MAN
Message-ID: <232@platypus.uofs.edu>
Date: 15 Jan 91 17:26:10 GMT
Followup-To: rec.ham-radio.packet
Organization: University of Scranton, Scranton, PA
Lines: 14
Xref: gmdzi rec.ham-radio:19418 rec.ham-radio.packet:3412

OK everybody (especially you AMSAT gurus), where can I find info (plans) for building a Linear Translator?? I have mentioned this before and never heard anything concrete. I would like to build one. Who can tell me how? It's done on the OSCAR's, so somebody must know how. Point me at some references please.

bill   KB3YV

--

```
     Bill Gunshannon          |        If this statement wasn't here,
     bill@platypus.uofs.edu   |  This space would be left intentionally blank
```

From -8652830611957153359
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1762e5b679680a8
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1991-01-15 09:28:26 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: R5 vs AP-8 ?
Message-ID: <664@chiton.ucsd.edu>
Date: 15 Jan 91 17:28:26 GMT
References: <9101082029.AA11489@ucsd.edu> <5490112@hpscdc.scd.hp.com>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 30

In article <5490112@hpscdc.scd.hp.com> rkarlqu@hpscdc.scd.hp.com (Richard Karlquist) writes:
>Some comments on the Butternut vertical vs. the R5:

>Remember that the R5 is only about 20 feet long. It is really
>only a little over a quarter wave on 20 meters. Tuning it to
>an "electrical half wave" exacts a high penalty in terms of
>efficiency and/or bandwidth. The radiation resistance of a
>quarter wave dipole is only a few ohms (measured at the center).
>This isn't obvious due to the end feeding. You would be a lot
>better off with the Butternut, if you could handle the radials.

Just a note in favor of the R5...As far as bandwidth goes my SWR is less than 1.7:1 on all bands, 10,12,15,17,and 20. So the bandwidth argument above does not apply to the R5.

AA6PN

--
richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From -915346547041611132
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b501377895b39e15
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 09:35:28 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!elroy.jpl.nasa.gov!sdd.hp.com!hp-pcd!hplsla!charlier

From: charlier@hplsla.HP.COM (Charlie Panek)
Newsgroups: rec.ham-radio
Subject: Re: Help with HAMCOMM
Message-ID: <5720094@hplsla.HP.COM>
Date: 15 Jan 91 17:35:28 GMT
References: <4715@s3.ireq.hydro.qc.ca>
Organization: HP Lake Stevens, WA
Lines: 36

>/ mlefebvr@ireq.hydro.qc.ca (Marc Lefebvre) and others ask:
>I need a little help with the RTTY program Ham Comm.
>
>1) it does not seem possible to select COM1 or COM3 from the menus. Why?

I posted the fix to this once already, but I guess some people missed it.

```
******************************************************************
*************LOOK IN THE HC.CFG FILE******************************
*************EDIT OUT THE FOLLOWING LINES:************************
* define port com1  iobase 0  irq 0
* select port com1
******************************************************************
```

>2) the program locks up my laptop quite often. Has anybody had the same type
>   of problem ?

Maybe fixing the .CFG file will help.

>3) is there some kind of extra documentation file available somewhere ? the
>   program looks very nice but the help file is very short.
>

The online helps are context sensitive, and I thought, quite good.

>Thanks, Marc.
>mlefebvr@ireq.hydro.qc.ca
>

Note: To those who have requested copies of the program....
Sorry I cannot get into the business of mailing this rather large piece of software out to people. It is available by anonymous ftp from simtel, and other sites. For more info about simtel, try looking in comp.binaries.ibm.pc.d.

Charlie Panek (UUCP: hplabs!hp-pcd!hplsla!charlier)
KX7L   (SMTP: charlier@lsid.hp.com)

From -5809701628992565311
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8aadc452794e75f3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 09:37:15 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!zephyr.ens.tek.com!gvgpsa!gold.gvg.tek.com!

randyh
From: randyh@gold.gvg.tek.com (Randy Hall)
Newsgroups: rec.ham-radio
Subject: Grid Squares
Keywords: Grid Squares VHF UHF
Message-ID: <1873@gold.gvg.tek.com>
Date: 15 Jan 91 17:37:15 GMT
Organization: Grass Valley Group, Grass Valley, CA
Lines: 20
Posted: Tue Jan 15 09:37:15 1991

With the upcoming VHF contest this weekend, I need to know what
Grid Square I am in.

I would like to know how to figure this out knowing what my
Latitude and Longitude are.

Are there two designations for Grid Squares, 4 and 6 digits?

Thanks,

Randy

Latitude: N. 39.2167
Longitude: W. 121.1333

```
Randy Hall      Grass Valley Group, Inc.   VOICE:  916-478-3310
P.O. Box 1114   Grass Valley, CA  95945    FAX:    916-478-3887
Internet:       randyh@gold.gvg.tek.com    Home:   916-274-2207
UUCP:  ...      !tektronix!gold!randyh     Packet: WA2AGE@KE6LW
```

From -7920294342045484204
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 09:41:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: Rigs for beginners? (or: MFJ, Icom, etc.)
Message-ID: <665@chiton.ucsd.edu>
Date: 15 Jan 91 17:41:35 GMT
References: <5490111@hpscdc.scd.hp.com> <2992@ux.acs.umn.edu> <819@wells.UUCP> <1991Jan12.042810.28007@informix.com> <48015@apple.Apple.COM>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 21

In article <48015@apple.Apple.COM> kchen@Apple.COM (Kok Chen) writes:

```
>Just don't expect MFJ equipment to be as bullet-proof as an
>HP Spectrum Analyser.  Afterall, if you flame too much about
>MFJ and get your blood pressure up too high, you might end up
>SK like that chap in Benin.



V31BB was found slumped over his PAIR of ICOM 781's in Belize. If I had a PAIR
of 781's in front of me, my blood pressure would be in the danger zone. B-)

     AA6PN





--
     richard currier         marine physical lab     u.c. san diego
     rec@mpl.ucsd.edu
     619-534-1730


From 8166001857873337148
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76489b0e31b4a973
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 10:02:55 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Standard 12V DC Connectors
Message-ID: <1991Jan14.220407.13950@ux1.cso.uiuc.edu>
Date: 14 Jan 91 22:04:07 GMT
References: <1991Jan13.230743.2733@bronze.ucs.indiana.edu>
Organization: University of Illinois at Urbana
Lines: 14

commgrp@silver.ucs.indiana.edu (BACS Data Communications Group) writes:

>Rescue squads in the DC and Virginia area use the same standard.  They
>have also standardized upon Larsen-type mobile antenna mounts.

Oh really?  Which one?  Larsen happens to have the widest variety of
antenna mounts I have seen.  They have so many in fact I forget which
one it is I ordered for my dual-band mobile antenna.  I did choose the
one which had the widest variety of antenna types and got a mag-mount
base with that type.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From -5864814494291652510
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2a4d0a9d8fea7306,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,2a4d0a9d8fea7306,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1991-01-15 10:08:31 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!zaphod!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: DRSI DEAD?
Keywords: DRSI PACKET BOARDS
Message-ID: <860@idacrd.UUCP>
Date: 15 Jan 91 18:08:31 GMT
Organization: idacrd, princeton, nj
Lines: 17
Xref: gmdzi rec.ham-radio:19420 rec.ham-radio.packet:3413

Howdy:

Is there anyone on this net that can answer from first hand knowledge
whether or not DRSI has closed its doors?

I think it would be a shame if this were true but cannot say that I am
surprised for many reasons, which I will not bother your with. They
filled a nitch that needed filling with their plug in card.

Surely someone can give us an answer.

Bob
--
```
-----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
-----------------------------------------------------------------------------
```

From 714963129359626335
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d1a6b90ca6f23467,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 10:27:05 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod!usc!apple!agate!ucbvax!STLAWU.BITNET!MROWEN
From: MROWEN@STLAWU.BITNET (Mike Owen)
Newsgroups: rec.ham-radio
Subject: VHF Transverters & Microwave Modules
Message-ID: <9101151929.AA18465@ucsd.edu>
Date: 15 Jan 91 18:27:05 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: SAINT LAWRENCE UNIVERSITY
Lines: 13

I have recently been shopping around for some VHF
transverters. I have found a couple of things that
you may find interesting (or depressing):

1. Microwave Modules is out of business, according to the lady at Spectrum International (long-time MM dealers);

2. SSB electronics makes nice transverters, but they cost about $750/band.

Like, MegaBummer, Dude!

From 9104595724147004209
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1faaf4ae2e8dea50,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 10:39:01 PST
Path: gmdzi!unido!mcsun!uunet!zaphod!think.com!snorkelwacker.mit.edu!bloom-beacon!deccrl!news.crl.dec.com!shlump.nac.dec.com!jabbaj.enet.dec.com!collentro
From: collentro@jabbaj.enet.dec.com
Newsgroups: rec.ham-radio
Subject: ICOM IC-U16
Message-ID: <19014@shlump.nac.dec.com>
Date: 15 Jan 91 18:39:01 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 5

Anyone out there familiar with the ICOM IC-U16? I need
mod info on how to disable the auto-priority.

What kind of luck have people had with this HT?

From 688998929850472382
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f91b80c94eb08852
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 10:48:10 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!bionet!agate!ucbvax!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: 1.2 GHz repeater questions
Message-ID: <1250335@hpnmdla.HP.COM>
Date: 15 Jan 91 18:48:10 GMT
References: <3350@lupine.NCD.COM>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 23

In rec.ham-radio, phil@hansen.NCD.COM (Phil Graham) writes:

>   - What type of feeline are you using and what is the length?

Shorthair, about 24" when I hang it by its tail...

(sorry, I couldn't resist.)

Actually I run 7/8" heliax up the tower on 1200 MHz but 9913 isn't too bad for price/performance. Watch out about using it in the high vhf/low uhf range though since production problems can cause sharp periodic (in frequency) attenuation increases.

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From -3336079206335658390
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b85d3bb888ed9bb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 10:51:08 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!samsung!know!tegra!vail
From: vail@tegra.COM (Johnathan Vail)
Newsgroups: rec.ham-radio
Subject: Re: SM-220 Monitor Scope -- bought!
Message-ID: <1928@atlas.tegra.COM>
Date: 15 Jan 91 18:51:08 GMT
References: <9101151351.AG00041@rtp40.dg.com>
Organization: Tegra-Varityper, Inc., Billerica, MA
Lines: 17
Posted: Tue Jan 15 12:51:08 1991
In-reply-to: Pete_Simpson@DGC.ceo.dg.com's message of 15 Jan 91 13:51:50 GMT

Great, Pete! I would like to see that sometime. I have the GTI panadaptor that connects to a o-scope and have been mostly happy with it. It is *not* anything to compare with a spectrum analyzer but is great for monitoring. While on the subject I have a question:

Can anyone recommend a small (fit nice on the desk) maybe LED o-scope that is not too expensive? I would like to get one for the panadaptor that would not be too obtrusive. I don't need a lot of features or resolution or speed, just a reasonable display and small size.

jv

```
 -----
|     | Johnathan Vail | n1dxg@tegra.com
|Tegra| (508) 663-7435 | N1DXG@448.625-(WorldNet)
 -----  jv@n1dxg.ampr.org {...sun!sunne ..uunet}!tegra!vail
```

From -8655265494287852096
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cf5a8cb4b25ab17e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 10:52:55 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!wuarchive!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: standardizing 12 vdc power connectors in the ham shack & mobile
Message-ID: <7880416@hpfcdc.HP.COM>
Date: 15 Jan 91 18:52:55 GMT
References: <1991Jan14.165028.28359@cbnewse.att.com>
Organization: HP Fort Collins, Co.
Lines: 12

> ...You can plug things in "backwards".

Clarification: You can connect a source to a source, causing fireworks,
if you don't check wire colors. The source and sink connectors are
identical but for wire colors.

> They use female Molex connectors with female pins in the holes -- very
> safe.

Correction: The sources are *male* Molex with female pins in the holes.
Sorry about that. The female Molex connectors (sinks) have the (male)
pins exposed within the housing.

From 7067889954055132538
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc621b0c79076d99,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 11:16:13 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!uwm.edu!wuarchive!sdd.hp.com!hplabs!hpda!hpcuhb!hpscdc!rkarlqu
From: rkarlqu@hpscdc.scd.hp.com (Richard Karlquist)
Newsgroups: rec.ham-radio
Subject: Re: FM on HF (was: re: homebrewing)
Message-ID: <5490115@hpscdc.scd.hp.com>
Date: 15 Jan 91 19:16:13 GMT
References: <17186@csli.Stanford.EDU>
Organization: Hewlett-Packard, Santa Clara Div.

Lines: 32
Posted: Tue Jan 15 13:16:13 1991

> / hpscdc:rec.ham-radio / kawai@csli.Stanford.EDU (goh kawai - n6uok) / 6:12 pm
Jan 14, 1991 /
> Phil Howard asks Gary Coffman:
>
> >> ... the lower portions of HF where FM is not legal ...
>
> > What HF bands is FM not legal on where voice is otherwise legal?
>
> This is one question I have had myself.
>
> I have never seen explicit mention in the FCC rules prohibiting FM on
> frequencies below 29.000 MHz. However, it is a fact that the only
> frequencies where FM is practiced on HF are between 29.000 and 29.700,
> especially between 29.100 and 29.300 plus between 29.500 and 29.700.
> (29.000 thru 29.100 is primarily the AM subband. 29.300 thru 29.500
> is the satellite subband. FM can be used in both subbands if it will
> not cause interference.) It is also a fact that in some countries, FM
> is indeed limited by law to the higher portion of 10 meters.
>
> Is there any legal limit on bands we can use for FM? Does anybody know
> for sure?
>
> ----------------- speech technology and research, sri, menlo park, california
> --- Goh Kawai --- work:(415)859-2231   fax:(415)859-6171   home:(415)964-1782
> ----------------- internet: kawai@speech.sri.com   radio: n6uok and 7l1fqe
> ----------

Below 29 MHz., you can only use NBFM, defined as a signal no wider than an
AM signal (basically 6 kHz.). On 1.8 to 2.0 MHz., even NBFM is not allowed.
I don't know why, but my guess is to avoid interference to LORAN.

Rick Karlquist N6RK

From -904889940095177634
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,147263284118940
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 11:54:11 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Exam Procedure
Message-ID: <1250336@hpnmdla.HP.COM>
Date: 15 Jan 91 19:54:11 GMT
References: <D75AEB24D3BF201851@uncg.bitnet>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 12

In rec.ham-radio, magid@esis.enet.dec.com (Joel Magid...) writes:

> Do they give the 5,13,and 20 WPM code exams as multiple choice ?
> This should make for a lively debate here.

Interestingly, the multiple-choice test is harder to pass than the one-minute-of-solid-copy requirement. In the VEC exams I have helped administer, there have been many people who got less than 70% on the multiple-guess but passed on the one-minute-solid.

AL N1AL

From 5996877576129490141
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1ce1ea0db689736a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 11:59:33 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Novice loses privilege - ARRL response
Message-ID: <1250337@hpnmdla.HP.COM>
Date: 15 Jan 91 19:59:33 GMT
References: <47979@apple.Apple.COM>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 14

In rec.ham-radio, holly@hpcupt1.cup.hp.com (Jim Hollenback) writes:

>I don't understand the problem. Currently 1A is presumed with a Novice
>license, so passing 3A gets you a Tech license. Well, if a Novice
>upgrades after 2/14, why can't the VE accept the Novice license as
>proof of completion of 1A and issue the required CSCE?

>Or am I missing some salient point?

If I remember right, the Technician WITH code requires you pass the 5 wpm before 3 certified Volunteer Examiners. The Novice license only requires 2 General-class hams for the test. This may be the reason it doesn't count.

AL N1AL

From 4040559437301041856
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76489b0e31b4a973
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 12:06:22 PST
Path: gmdzi!unido!mcsun!uunet!olivea!oliveb!amdahl!pacbell!ptsfa!dmturne

From: dmturne@PacBell.COM (Dave Turner)
Newsgroups: rec.ham-radio
Subject: Re: Standard 12V DC Connectors
Message-ID: <5965@ptsfa.PacBell.COM>
Date: 15 Jan 91 20:06:22 GMT
References: <"15-Jan-91..7:59:50.PST".*.PMcAfee.El_Segundo@Xerox.com>
Reply-To: dmturne@PacBell.COM (Dave Turner)
Organization: Pacific * Bell, San Ramon, CA
Lines: 21

In article <"15-Jan-91..7:59:50.PST".*.PMcAfee.El_Segundo@Xerox.com>
McAfee.El_Segundo@XEROX.COM writes:
>
>It is fast becoming obvious that everyone has a "standard" 12 vdc connector.
>So, repeating something I have heard before "standards are great, everyone
>should have one" :=)

I once heard a talk by a UNIX consultant on the subject of standards.

His point was that if the current attitudes about [UNIX] standards applied
to homes, the prospective home buyer might have the following conversation
with a home builder:

Buyer: What about standards?

Builder: Standards? Of course we have standards, but they're better!
175 volts! 70 Hz!

--
Dave Turner   415/823-2001 {att,bellcore,sun,ames,decwrl}!pacbell!dmturne

From -6468509111731291496
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc621b0c79076d99
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 12:10:56 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: FM on HF (was: re: homebrewing)
Message-ID: <1250338@hpnmdla.HP.COM>
Date: 15 Jan 91 20:10:56 GMT
References: <17186@csli.Stanford.EDU>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 24

In rec.ham-radio, kawai@csli.Stanford.EDU (goh kawai - n6uok) writes:

>Phil Howard asks Gary Coffman:

>>> ... the lower portions of HF where FM is not legal ...

>> What HF bands is FM not legal on where voice is otherwise legal?

>This is one question I have had myself.

>I have never seen explicit mention in the FCC rules prohibiting FM on
>frequencies below 29.000 MHz. However, it is a fact that the only
>frequencies where FM is practiced on HF are between 29.000 and 29.700,
>especially between 29.100 and 29.300 plus between 29.500 and 29.700...

I think the answer is bandwidth limitations. Above 29 MHz, the rules
permit "wideband" FM. "Wideband" means "wider than an equivalent AM
signal." Note that what is called "narrowband" FM on VHF (5 kHz deviation,
about 13 kHz bandwidth), is not legal below 29 MHz.

FM is quite legal on 75 meters (last time I looked), but you have to
limit the bandwidth to 6 kHz, which means very narrow deviation.

AL N1AL

From -1515228334357204343
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,29b4a11527361cbc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 13:03:07 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!mit-eddie!media-lab!garp!henry
From: henry@garp.mit.edu (Henry Mensch)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <4893@media-lab.MEDIA.MIT.EDU>
Date: 15 Jan 91 21:03:07 GMT
References: <1991Jan6.204033.19970@informix.com> <41aFV2w163w@phoenix.com>
<1991Jan8.193844.11586@alias.uucp> <2413@risky.Convergent.COM>
Sender: news@media-lab.MEDIA.MIT.EDU
Reply-To: henry@GARP.MIT.EDU (Henry Mensch)
Organization: MIT Project Athena External Relations
Lines: 17
Xref: gmdzi rec.radio.shortwave:3579 rec.ham-radio:19425

scottl@convergent.com (Scott Lurndal) writes:
|> This same sort of thing also applies to establishments that refuse currency
|> denominations greater than $20, I believe. The wording on all currency
|> states that it is "legal tender for all debts, public and private".

the reasons that some stores won't accept banknotes greater than $20 is
because they can't make change for them (they don't keep more than $50 in the
till). i'm sure they'll be happy to accept your $50 note if you don't want
change ...

(and yes, i know this is bogus, and yes, i do avoid these places whenever
possible ...)

```
--
# Henry Mensch    /   <henry@garp.mit.edu>   /   E40-379 MIT,  Cambridge, MA
# <hmensch@uk.ac.nsfnet-relay> / <henry@tts.lth.se> / <mensch@munnari.oz.au>
#     via X.400: S=mensch; OU=informatik; P=tu-muenchen; A=dbp; C=de
```

From -9088814406060611550
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3ae8e6bfdbed1c11,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 13:17:06 PST
Path: gmdzi!unido!mcsun!uunet!olivea!apple!mips!sgi!shinobu!rodman
From: rodman@sgi.com (Paul K. Rodman)
Newsgroups: rec.ham-radio
Subject: Hams in Amherst, Mass?
Message-ID: <1991Jan14.233649.15143@shinobu.sgi.com>
Date: 14 Jan 91 23:36:49 GMT
Sender: news@shinobu.sgi.com (Net News)
Organization: Silicon Graphics, Inc., Mountain View, CA.
Lines: 13

Hi,

I'm trying to contact any hams in the University of Mass amateur radio club.
Please
respond to:

Paul Rodman, KA1ZA
rodman@sgi.com
--

Paul K. Rodman
Advanced Systems Division
Silicon Graphics, Inc.

From -6107465971888254846
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c372116ad9c46f2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 13:24:43 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
unix.cis.pitt.edu!dsinc!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Yaesu FT470 extended UHF RX mod wanted
Message-ID: <35698@netnews.upenn.edu>
Date: 15 Jan 91 21:24:43 GMT

Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 9

The subject line pretty much says it all. Thanks in advance.

--- Jeff

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-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
 Jeff DePolo  N3HBZ            Twisted Pair: (215) 386-7199
 depolo@eniac.seas.upenn.edu    RF: 146.685- 442.70+ 144.455s (Philadelphia)
 University of Pennsylvania     Carrier Pigeon: 420 S. 42nd St. Phila PA 19104
```

From 8837735581936504790
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d9a0c373324875f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 14:13:27 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!att!pacbell.com!ucsd!ucbvax!
NS.CC.LEHIGH.EDU!TWB0
From: TWB0@NS.CC.LEHIGH.EDU (Thomas W. Brown)
Newsgroups: rec.ham-radio
Subject: Ham Radio Phone BBS List 1/91
Message-ID: <9101150018.AA01885@ucsd.edu>
Date: 15 Jan 91 00:16:03 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 477

Ham Radio Phone BBS List 1/91

The following is a list of some telephone BBSs that support Amateur Radio. Some of these are strictly for hams, while others support "SIG's" (special interest groups) for hams or have radio-related files or message sections.

Disclaimer: Due to the increasing size of the list, it will only be distributed on the packet networks once or twice each year as a multipart bulletin. Some SysOps consider even the split-up messages to be an overwhelming burden to the network and will inevitably block them, so if you do not receive it via packet, you should download the file HAMPHONE.91 from the Ham Radio archive section of SIMTEL20 (wsmr-simtel20.army.mil on Internet), from the K4NGC phone BBS at (703) 680-5970, or from the WB2COY phone BBS at (914) 485-3393.

If you call one of these BBS's and find nothing to indicate it's relationship to Ham Radio or find that it has been disconnected, let me know so I can archive it and clean up the list. I can't gaurantee the accuracy of this list, but I do strive to keep it as up-to-date as possible. Please send any updates, changes, or comments to me. 73, Tom Brown KA2UGQ.

```
     Packet: KA2UGQ @ KA2UGQ.NJ.USA.NA
       ARPA: twb0@ns.cc.Lehigh.EDU
     BITNET: twb0@lehigh.bitnet
       UUCP: ..!uunet!twb0@lehigh.bitnet
       ICBM: 40 40' 47" N, 74 25' 03" W


Verification status (symbol after phone number):
     '*'=verified, '+'=busy when called, '?'=questionable, ' '=unknown
     ':'=new/updated number (since 7/89 list)

'Speed' codes are as follows:
     3=300, 1=1200, 2=2400, 9=9600
     T=9600-19200 baud (Telebit/Trailblazer/Ventel modem)
     U=US-Robotics HST 9600-38400 baud
     V=Hayes V-series 4800-9600 baud
     M=MNP error correction available
     >=PC Pursuitable


Phone-Number Name                 SysOp                Location           Speed
============ ==================== ==================== ================== =====
201-245-6614+The Micro Room       WA2BFW               NJ                 312
201-271-4517+WB2TIX Radio BBS     WB2TIX               Bound Brook, NJ    3
201-332-6098+Edgelight Online BBS KB2BLE               Jersey City, NJ    12
201-385-1693 Radio CMBS           ?                    NJ                 2
201-387-8898:ROSE Switch Support  (login: rats)        NJ                 ?
201-423-4258+Computer Nookery     ?                    NJ                 ?
201-486-2956:Computer Forum of NJ ?                    NJ                 UV
201-494-3417+Planet Shadowstar    N2HGY, N2HBN         Edison, NJ         31
201-494-3649+Micro-Fone TBBS      K2SHY                Metuchen, NJ       312
201-636-7499:The Micro Forum      KC2WZ                NJ                 31
201-694-8122+Sonnet Center        Jim Sonnet           Mountain View, NJ  312
201-729-7056 ?                    ?                    Sparta, NJ         312
201-757-1491+Holly Park PBBS      Dick Roberts         Piscataway, NJ     312
201-827-7815+Al's Cabin HST       ?                    Ogdensburg, NJ     ?
201-918-0683*KA2QHD Packet/UNIX BBS (login: guest)     Wayside, NJ        31
202-280-5490:Capital Connection   KB4ZSS               Washington, DC     UV
203-228-1708:Crystal Mountain     Tomas Hood           Hebron, CT         ?
203-236-3761:Bruce's Bar & Grill  Bruce Lomansky       CT                 ?
203-237-1717 Summa Zulla Znode 43 KA1TB                Meriden, CT        31
203-261-6434 Trumbull Mini        WA1QKS               Trumbull, CT       312
203-366-1234+Dave's FIDO          ?                    Bridgeport, CT     31
203-431-4687+Source of Magic      B&J Sanders          Ridgefield, CT     ?
203-438-9908 Orions Nebula        N1CUI                CT                 ?
203-563-6455+Hart-Metro Opus      ?                    Whethersfield, CT  ?
203-628-4644:Farm at Milldale     ?                    Milldale, CT       ?
203-665-0090:ARRL Field Service   ?                    Newington, CT      ?
203-674-1802+Teletalk Medical BBS Maynard Marquis      Farmington, CT     UV
203-753-8351:CoCo Byte            David Yale           Waterbury, CT      ?
203-846-3522:NORAD                Bill Hurlock         Norwalk, CT        U
203-865-6960:EarthStation 101     Matt Valleau         New Haven, CT      U
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203-888-8375:Dave's Bar & Grill   KA1TFB               CT                 ?
205-598-6079 Elmer BBS            WA6LMM/4             Fort Rucker, AL    3
205-649-2894 Mobile Alabama BBS   NN4Y                 Mobile, AL         31
205-758-5017 The Bulletin Board   W4WYP/WD4DAT         AL                 3
205-853-6144:Bham Sperry, 60M     Jack Efird           Birmingham, AL     UV
205-987-9818 Superboard           ?                    AL                 31
205-988-4816?Superboard           ?                    AL                 31
206-565-1476 The Forum            ?                    Tacoma, WA         ?
206-566-1155:AmoCat BBS           Rich Langsford       Tacoma, WA         U
206-566-8854:Puget Sound Gateway  Stephen Butler       Puyallup, WA       U
206-637-2398:Seattle Software Exc LeRoy DeVries        Seattle, WA        U
206-763-8879 Sea-Comm 80          W7TWU                Seattle, WA        31
206-767-3223+Amateur Radio Supply WB7EWO/W7PV (6PM-9AM)Seattle, WA        3
206-774-9566:Brier Patch          ?                    WA                 ?
206-783-4818 Hi-Tech BBS          W7UZB                Seattle, WA        31
207-495-2490:I.A.R.N.             K1MAN                Belgrade Lakes, ME ?
212-380-3864+Atari BBS            K2BSM                NY                 ?
212-645-2176 Metro CPU            ?                    NY                 ?
212-781-4723+Friends              WB2RSI               New York, NY       312>
213-370-4113+Long Island RB       ?                    CA                 ?
213-376-6221 Beach City           KB6MND               CA                 31
213-376-9567+Beach Cities         ?                    Redondo Beach, CA  ?
213-377-0450 Amateur World        N6OQU                Palos Verdes, CA   31
213-466-3861+Hatzlacha BBS        ?                    Los Angeles, CA    ?
213-541-2503 WB6YMH (GFRN) RCP/M  WB6YMH               Palos Verdes, CA   312
213-761-8284:Kenwood Radio Inc.   ?                    CA                 ?
214-223-0983 ?                    Mark Collard         Dallas, TX         31
214-394-7438 Datalink BBS-AMSAT   N5ITU                Dallas, TX         319V
214-517-4958:Ham Shack            Michael Stone        Plano, TX          ?>
214-960-2730 NN5I BBS             NN5I                 TX                 31
215-233-4313:Ham Net BBS          N3FAD                Philadelphia, PA   312
215-482-0262 PARA Time Warp       W3IX                 Philadelphia, PA   3
215-568-2137 LBARA bbs (login: lbara, password: hams)  Philadelphia, PA   12
215-572-5890 WA3DSP BBS           WA3DSP               Glenside, PA       31
215-584-1412+System-2             ?                    Norristown, PA     ?
215-628-9265 K4KWW BBS            K4KWW                PA                 ?
215-678-9334 File Cabinet         ?                    PA                 UV
215-827-7689 K3DSM BBS            K3DSM                Malvern, PA        ?
215-948-0593+K3DSM BBS (?)        K3DSM                Malvern, PA        ?
216-349-4515:Infoguide            Josef Stiene         Cleveland, OH      U>
216-526-9480:AMCOM                Bill Poissant        Cleveland, OH      ?>
216-526-9481:AMCOM                Bill Poissant        Cleveland, OH      ?>
216-526-9482:AMCOM                Bill Poissant        Cleveland, OH      U>
216-526-9485:AMCOM                Bill Poissant        Cleveland, OH      U>
216-526-9489:AMCOM                Bill Poissant        Cleveland, OH      UV>
216-526-9490:AMCOM                Bill Poissant        Cleveland, OH      ?>
216-529-0121:Signal BBS           Howard Laymon        Cleveland, OH      ?>
216-545-0093 Steel Valley Opus    ?                    Girard, OH         ?
216-661-9065:Comstar              Roger Dye            Cleveland, OH      U>
216-745-7855 Akron Computer Group WA8SNF               Akron, OH          3
216-777-4569:Connections II       Ryan Wilkins         Cleveland, OH      ?>
216-867-6984:Buckeye Hamshack     ?                    OH                 ?
216-883-0578+Auer Register        ?                    Cleveland, OH      ?
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216-942-6382:Hamnet               David Speltz         Cleveland, OH      U>
216-942-7516:Hamnet               David Speltz         Cleveland, OH      V>
216-951-4287:Eastlake             Ken Bayko            Cleveland, OH      U>
217-529-6452:Capitol City BBS     K9UAB                Springfield, IL    U
218-525-1788 ?                    Ron Carlson          Duluth, MN         31
219-875-6430 Indiana Computer     ?                    IN                 ?
301-272-5313+Aberdeen Interface   ?                    Aberdeen, MD       31
301-335-0858*WB3FFV multiuser BBS (login: bbs)         Chase, MD          12
301-335-1955*WB3FFV multiuser BBS WB3FFV               Chase, MD          1T
301-350-1299+Mad Faces BBS        Kim Wells            Largo, MD          31>
301-388-1517 Dead Zone            ?                    Baltimore, MD      ?
301-454-0360 No Place Like Home   ?                    College Park, MD   ?
301-495-7323+Nat. Capitol Wing    ?                    MD                 ?
301-540-1378+WB6RQN Usenet gtwy.  WB6RQN               Germantown, MD     ?
301-540-9095+WB6RQN Usenet gtwy.  WB6RQN               Germantown, MD     ?
301-574-1984 Berkshire Board      ?                    Essex, MD          ?
301-590-9629 3 Winks RBBS         W3INK                Gaithersburg, MD   31
301-599-7651:Mad Faces BBS        Kim Wells            Upper Marlboro, MD ?
301-621-9669:Around & About       WA3TKW               MD                 ?
301-670-9621 3 Winks              W3INK                Gaithersburg, MD   31
301-725-1072:F.C.C. PAL Hotline   FCC                  MD                 ?
301-725-8307:Maryland Radio Cntr  ?                    MD                 ?
301-797-5238 RadioData Plus       ?                    Hagerstown, MD     ?
301-797-9408:SuppleMental Service Woody Sherman        Hagerstown, MD     ?
301-831-5954:WJ3P Exchange        Lucas Spiros         Mt. Airy, MD       ?
301-831-9012:Thundr Bay Trad Post WA3ZLB               MD                 ?
301-869-7650:3 Winks              W3INK                Gaithersburg, MD   ?
301-926-8187 3 Winks              W3INK                Gaithersburg, MD   31
301-967-3309 Ronnies Roadies      ?                    MD                 ?
303-497-5000:NOAA (propagation +) NOAA                 Boulder, CO        ?
303-497-5042:NOAA 3 line rotary   NOAA                 Boulder, CO        ?
303-497-6968 Boulder FIDO         ?                    Boulder, CO        ?
303-534-4646 The Comm-Post        Brian Bartee         Denver, CO         9
303-593-0766 HIP Shack Fido BBS   N3EUA                Colo. Springs, CO  312
303-781-1079 Photo Tech           ?                    CO                 31
303-972-9600 Microlink            ?                    Denver, CO         9
304-273-4136 ?                    Emmett Earley        Ravenswood, WV     3
305-325-8709:Medical Software Exc ?                    FL                 ?
305-382-6687:Right Connections    N4LDG                Miami, FL          ?
305-773-5033 Computer Hustler     ?                    Satellite Beach,FL 31
305-859-9443 Orlando Communicator WA4GIF               Orlando, FL        31
305-973-1947 The Eye of Osiris    ?                    Boca Raton, FL     31
305-997-5849 Megasystems Online   ?                    Boca Raton, FL     31
306-244-8378 Software Library     ?                    Saskatoon, SK      ?
306-347-4493 Regina Fido BBS      ?                    Regina, SK         ?
306-586-1551 Polestar Opus        VE5EK                SK                 312
309-688-0604 ANARC BBS            ?                    Peoria, IL         ?
312-394-0071 Samson               ?                    Arlington, IL      ?
312-491-2611 Chicago Business     ?                    Evanston, IL       ?
312-529-1586 Elk Grove Repeater   N9DKO                Roselle, IL        31
312-630-6282 COPH Mail            ?                    Chicago, IL        ?
312-674-1638:Bill's PCBoard       William Knopp        Lincolnwood, IL    V>
312-776-5561:N9CSA Ham & Hobby    Jay Serafin          Chicago, IL        ?
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312-790-0187:Cope of Chicago      KB9X                 Chicago, IL        ?
312-790-4688 The Generic BBS HST  ?                    Glen Ellyn, IL     ?
313-239-9690 Flint BBS            N8DYB/(KA8OCN?)      Flint, MI (?)      31
313-291-2520:Genesis II           WB8ZPN               MI                 ?
313-482-4436:Somewhere in Time    Keith Mottley        Ypsilanti, MI      ?
313-629-2854 Flint Area BBS       KA8OCN               Flint, MI          31
313-649-6213:Blue Water TBBS      ?                    Birmingham, MI     ?
313-759-6569*Royal Oak RCP/M      W8SDZ                Royal Oak, MI      31
314-422-3927 Vienna City Limits   KD0PJ                Vienna, MO         312V
314-436-0730:Boatmen's Bancshare  KE0KO                MO                 ?
314-447-3003:AMSAT-NA PBBS        ?                    MD                 ?
314-837-5422:Cindex Tech Support  KB0FMQ               Florissant, MO     ?
314-965-0477:Cat Box BBS          ?                    MO                 ?
315-697-3996:Random Access BBS    KB2ECI               Canastota, NY      312
316-943-6030:Wichita BBS          KE0TV                Wichita, KS        ?
317-353-9981:Someplace BBS        Mike Shepard         Indianapolis, IN   U
317-654-6555:The Friendly BBS     Jason Seabolt        Frankfort, IN      ?
317-882-4454:IBM-Net Connection   Rex Hawkins          Indianapolis, IN   U
317-882-5575:IBM-Net Connection   Rex Hawkins          Indianapolis, IN   U
317-882-9330:Southside BBS        KB9BVN               Indianapolis, IN   U
318-443-0271:Amer. Silver Dollar  Tom Palko            LA                 ?
318-688-7078+NoChange #2          Mike Berry           Shreveport, LA     31
318-797-8310 Net 380 Host         ?                    LA                 ?
319-351-8783 Opus Board           ?                    Iowa City, IA      ?
319-377-0004 Cedar Valley Mill    ?                    Cedar Rapids, IA   ?
319-393-4499*Cedar Valley Datanet ?                    Cedar Rapids, IA   ?
319-432-6586 US Amateur TV Society?                    Mechanicsville, IA ?
319-557-9659 Sunshine BBS         ?                    Cedar Rapids, IA   3
401-521-2931:Telecom Central      ?                    RI                 ?
402-421-1963:Southwest Lincoln    ?                    Lincoln, NE        ?
403-254-0155:S. Alberta Rptr Assoc?                    ALTA, Canada       ?
403-464-5069:Alta Packet Info     ?                    ALTA, Canada       ?
404-289-2050+No Frills BBS        WB4LBM               Decatur, GA        3
404-320-6202:AV Sync BBS          ?                    Atlanta, GA        ?
404-355-5625:Visions              Kevin Pierce         Atlanta, GA        U
404-363-1640+Hams Bulletin Board  WA4CBT               Forest Park, GA    31
404-476-7970 Ham Board One        ?                    GA                 31
404-487-1376:Star Trek Connection Eddie Ferguson       GA                 U
404-491-6365 Flagship Express     KC4ME                Atlanta, GA        12
404-493-4708 Randy's BBS          ?                    GA                 31
404-546-7857 Athens Forum         ?                    Athens, GA         ?
404-834-9097 Commodore Msg. Ctr.  KB4EUX               Carrollton, GA     3
404-929-0800 Atlanta Connection   ?                    Atlanta, GA        ?
404-949-0687+Lockheed Amateur BBS ?                    GA                 31
404-949-3610:Perfect World        Bill Tinsley         Atlanta, GA        U
404-964-5277:Greyhound Opus       John Miller          GA                 ?
406-256-8717 ?                    Dave Williams        Billings, MT       31
407-269-5188:Tech Talk            ?                    FL                 ?
407-649-9834:EABBS Media Board    ?                    Orlando, FL        ?
407-774-7371:Aerospace Info       Mike Pompura         Orlando, FL        ?
407-879-4823:PCLogic              W4NVC                FL                 ?
408-247-8307 MacScience BBS       N6PHJ                CA                 12
408-251-4926 Tranquility Base #1  ?                    San Jose, CA       ?
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408-667-2256:Freq Scan            Tim Ames             Big Sur, CA        ?
408-674-5048 Elmer II             WA6LMM               Greenfield, CA     31
408-683-0338:S2C2 BBS             ?                    CA                 312
408-866-4933:MAC Science BBS      Ray Terry            Campbell, CA       ?
409-838-3761 Lamar University BBS WB5VNX               Galveston, TX      3
412-243-5880 Neverboard SWL hub   ?                    Pittsburgh, PA     ?
412-266-5947 Bridger              Ambridge Schools     Ambridge, PA       ?
412-427-4488 AMRG #101            ?                    Pittsburgh, PA     ?
412-766-0732:Blinklink            William Wilson       PA                 ?
413-256-1037 Pioneer Valley PCUG  ?                    Amherst, MA        9
413-443-6313 VETLink #1           ?                    Pittsfield, MA     ?
413-684-2886 Mountain Top         ?                    Windsor, MA        ?
413-967-9541:Quaboaq Valley Xfer  Gary Reardon         Ware, MA           ?
414-282-4181 Midwest Communicator ?                    Milwaukee, WI      ?
414-543-0988 Milwaukee City ARES  WB9YSG               Mil. City, WI      3
414-548-9866:Milwaukee Heath Usrs KA9TGN               Milwaukee, WI      ?
414-738-1219 Applegate            ?                    Appleton, WI       ?
415-481-0252:No_Name BBS          N6MON                CA                 ?
415-574-3663:Toad Hall            J Thaddeus           San Carlos, CA     ?
415-595-2427:Toad Hall            J Thaddeus           San Carlos, CA     ?
415-651-4147 Sonshine             ?                    Fremont, CA        ?
415-659-9169 RSVP BBS             ?                    Fremont, CA        ?
415-752-6172 Midnight BBS         ?                    CA                 ?
415-858-0363 Packet UNIX BBS     (login:packet pw:net) CA                 ?
415-943-6238 Diablo Valley PCUG   ?                    Walnut Creek, CA   ?
415-961-7250 BBS-JC               K6LLK                CA                 312
416-231-0669 Humber Queensway BBS VE3OOZ               Toronto, ON Canada 31
416-252-9692?Humber College BBS   VE3OOZ (?)           Toronto, ON Canada 3
416-431-6836 Connection           ?                    Toronto, ON Canada ?
416-598-1934 Boards Galore        ?                    Canada             ?
416-827-0704:Amateur Radio BBS    Phil Thompson        Oakville, ON Can.  ?
416-985-9219:Triple RRR BBS       Robert Newcomb       Perry Point,ON Can.?
417-864-8820:Fire BBS             ?                    Springfield, MO    ?
417-869-5294 The Matrix           ?                    Springfield, MO    ?
419-885-7043 QRV, UNO del Norte   ?                    Sylvania, OH       ?
501-442-8777 TRS7 BBS             ?                    AR                 ?
502-267-7422:Deckman's Exchange   Dennis Deckman       Jeffersontown, KY  ?
503-233-3986:Sherri Lynn Knobel   Dick White           OR                 ?
503-296-4328 Dog House BBS        ?                    OR                 ?
503-655-9586:ASL Faction          Wayne Silsbee        Oregon City, OR    ?
504-273-3116:HelpNet Baton Rouge  W5KGG                Baton Rouge, LA    ?
504-395-5655 Bit-by-bit RBBS      WB3ABN               Patterson, LA      312
504-469-3408:RBBS-PC              John Woodward        Metairie, LA       ?
504-643-6380 The ComPort AlterNet ?                    Slidell, LA        ?
504-834-2544 The Connection       Keith LaBorde        New Orleans, LA    3
505-646-5194?Teacher's Pet FIDO   K5XY/W4GHV           NM                 31
508-385-3427:KQ1K Salt Air BBS    Bob Baker            Dennis, MA         ?
508-429-1784:CUL-DE-SAC BBS       WA1YDL               MA                 ?
508-688-1348:Pleasant Valley BBS  Steve D'Urso         Methuen, MA        U
508-949-3590:The Ham Shack        Don Eklund           Webster, MA        ?
509-276-6431*Touchstone           Susan Waters         WA                 ?
509-487-3900 Red Wolf Opus        ?                    WA                 ?
509-534-6866 ANARC BBS            ?                    Spokane, WA        ?
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509-697-7298 Cent. Washington BBS K7NTV                Selah, WA          31
512-258-5528:Boardwalk Ham'n&Jam'n?                    TX                 ?
512-359-1748:The Electronic Ave.  KA5THB               TX                 ?
512-444-1052:Antenna Farm BBS     Ben Thornton         Austin, TX         ?
512-444-9908:Health Link          Bruce Baskett        Austin, TX         ?
512-496-9373 The Rampant Griffen  ?                    San Antonio, TX    ?
512-684-0786:Computer Exchange    ?                    San Antonio, TX    U
512-734-3521 Radio Flyer          KA5SWI               San Antonio, TX    3
512-837-0953 Jimnet BBS           WA5VLZ?              Austin, TX         ?
513-253-2017:Ham Shack            Dave Shard           Kettering, OH      ?
513-258-0971:Traders Cove         Bill Kahler          Dayton, OH         U
513-548-5128:Light in the Darke   John Desmond         OH                 ?
513-762-1115:KIC BBS              KA8AWY               OH                 ?
513-777-1234:PME-FIDO BBS         WB8BFW               OH                 ?
515-961-3325*W0RPK AMSAT BBS      W0RPK                Indianola, IA      312
516-293-2283 Radio ElectronicsBBS R.E. Magazine        Farmingdale, NY    31
516-472-0691 The Idea X-Change    N2AYB                Bayport, NY        31
516-561-6590 LICA LIMBS           WA2EXP               Long Island, NY    319
516-581-1896:Amat.Radio Sell.Post Lenny Buonaiuto      Long Island, NY    ?
516-661-3643 South Shore ARC      WB2VOZ               Long Island, NY    3
518-374-5298:Radio Freq's         ?                    Latham, NY         ?
519-578-9314 Amateur Radio BBS    Fred Hicks           Kitchener, ON Can. ?
519-660-1442 VE3GYQ BBS           ?                    ON, Canada         ?
602-235-9653 Health Info-Com Net  (Usenet port)        Scottsdale, AZ     ?
602-495-1797:Neighborhood Net     Mike Volckmann       AZ                 ?
602-742-1551 Bit Bucket           ?                    Tuscon, AZ         ?
603-424-0923 VaxCat               Mark Buda            Merrimack, NH      ?
603-424-5497*Stateline BBS        Bob Wescott          Merrimack, NH      31
603-525-4438:73 Magazine          KW1O                 Peterborough, NH   ?
603-547-6485 InterVisioN          ?                    Francestown, NH    ?
603-783-4239 Info Biz             ?                    Canterbury, NH     ?
603-883-4466:The Legal Beagal     K1TCD                Nashua, NH         ?
603-888-6999 Access-80            ?                    Nashua, NH         3
603-924-9809+73 Magazine          KW1O                 Peterborough, NH   31
609-652-2921+ACADEMIA             WB2DRD               Pomona, NJ         ?
609-652-4914:Stockton State Col   Tom McNally          Pomona, NJ         ?
609-652-4923:Stockton State Col   Tom McNally          Pomona, NJ         U
609-693-8849 Jersey Shore BBS     W2FJC                NJ                 31
609-859-1910*Pinelands RBBS       W2XQ                 Vincentown, NJ     312
609-893-2152:Citadel:K2NE         ?                    NJ                 ?
609-894-4366 N2EHM BBS            N2EHM                Pemberton, NJ      31
612-291-0567 Digital Newsletter   K0TG                 St. Paul, MN       31
612-377-3469 PC Info Exchange     ?                    Minneapolis, MN    ?
612-426-0000:Digital Newsletter   K0TG                 St. Paul, MN       ?
612-431-1149 HR Commodore Clique  WA0CQG               Apple Valley, MN   31
612-490-1187:Nick's Nest          Don Seiford          Vadnais Hills, MN  ?
612-920-L5MN NASA/ESA press rels. L5 Society           Minneapolis, MN    312
613-542-9901 Dits & Bits          ?                    Kingston, ON Can.  ?
613-564-5672 Carleton U Opus      ?                    Ottawa, Canada     ?
614-267-5441 Hot CoCo BBS         ?                    Columbus, OH       ?
614-279-2327:Scientific Columbus  David Hinerman       Columbus, OH       ?
614-294-5314 MARDUK II            ?                    OH                 ?
614-457-4227 Ham BBS (HBBS)       N8EMR                Columbus, OH       12T
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614-895-2553:Ham BBS (HBBS)       N8EMR               Columbus, OH       ?
614-927-3644 Alternative BBS      ?                   Columbus, OH       ?
615-690-5467:Volunteer            Ed Dial             Knoxville, TN      V
616-263-7454:ST Paradise          Steve Finzel        Traverse City, MI  ?
616-363-7360:The Edge             Kevin O'Malley      Grand Rapids, MI   ?
616-393-3262 Edge CBCS            ?                   Grand Rapids, MI   ?
617-237-1511:Wellesley BBS        Heath Users Club    Wellesley, MA      ?
617-277-5577:Jesse's BBS          Jesse Cheng         MA                 ?
617-326-0259:Binex II             KB1S                Westwood, MA       ?
617-471-0542:Tom's BBS            KA1TOX              Wollaston, MA      M
617-545-6239:Garden Spot BBS      Steve Johnson       Scituate, MA       ?
617-565-9136+WB3ABN BBS           WB3ABN              Boston, MA         31
617-598-6646:Baystate BBS         Steve Ryback        Lynn, MA           ?
617-720-3600:Future Tech          Bud Napier          Boston, MA         ?
617-923-7605 MassHam BBS          K1OJH               MA                 31
619-279-3921:RADIOSPORT           Steve Wilmet        San Diego, CA      U
619-390-7328:Lakeside Wildcat!BBS N6CQW               CA                 ?
619-549-3927 K3FWT BBS            K3FWT               San Diego, CA      ?
619-562-8758:Santee Experiment    Jim                 El Cajon, CA       ?
701-746-4814 Shortwave Network    ?                   ND                 ?
703-250-1837?SMA Scanner BBS      ?                   VA                 31
703-366-4299:Sparkie's Machine    KC4LWI              Roanoke, VA        U
703-435-0836+Sterling Info Exch.  KF4GL               VA                 3
703-528-7753:Longwave Database    ?                   Arlington, VA      ?
703-591-5744:Midnite Rider        Joe Reeves          VA                 ?
703-648-1841:Virginia Connection  Tony McClenny       Reston, VA         U>
703-680-5970*K4NGC Packet BBS     K4NGC               Woodbridge, VA     ?
703-689-7156:KC3OL BBS            KC3OL               VA                 ?
703-734-1387*AMRAD BBS            K8MMO               McLean, VA         31
703-734-1796:Issue Dynamics Inc.  Sam Simon           Washington, DC     ?
703-791-6198:Dos Spitzen Sparken  Dick Miller         Manassas, VA       ?
707-545-0746:Sonoma Online        Don Kulha           Santa Rosa, CA     ?
708-234-8011:Callbook BBS         Callbook Publishing IL                 ?
708-394-0071:Samson BBS           Larry Migliore      IL                 ?
708-529-1586:Elk Grove Repeater   Glen Randles        Arlington Hgts, IL ?
708-790-0187:Cope of Chicago      Steve Bonine        IL                 ?
713-242-6041 KC5UP BBS            KC5UP               Houston, TX        312
713-280-8711:NASA Activities      NASA                Houston, TX        ?
713-498-7996:Launch Pad           ?                   Houston, TX        ?
713-579-8979:Breakfast Club       Jimmy Vance         Katy, TX           ?
713-879-1448:ACOM II              Eddie Runner        Houston, TX        ?
713-937-9097:Broadcast Computer   David Armstrong     Houston, TX        V
713-955-7564:PCEVE                ?                   TX                 ?
714-275-9094:N6KZB BBS            N6KZB               CA                 312
714-636-2298:F.O.G.               Jim Ward            CA                 ?
714-681-0731 Ham Radio West       John Warren         Riverside, CA      312
716-544-1863 RFCARC               WA2ZKD?             Rochester, NY      312U
716-663-8478:NF2G Online          David Stark         Rochester, NY      ?
716-672-8843 Computer Access Ctr. KA2NRC              Buffalo, NY        ?
716-694-0007 Real Programmers'    ?                   NY                 ?
717-561-8150:Megaboard            ?                   PA                 ?
717-876-0152:Northeast File Bank  Stuart Wilson       Jermyn, PA         U
718-268-2062 Apple Sauce BBS      ?                   NY                 ?
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718-268-3173 WB2SQM BBS           WB2SQM               NY                 312
718-442-1056 New York Transfer    Bob Richards         Staten Island, NY  312
718-698-7875 Hamnet               ?                    New York, NY       31
718-761-5727*Programmers Corner   David Snyder         Staten Island, NY  ?
719-390-5318:Colorado Spr.Ham BBS Lee Sublett          Co. Springs, CO    ?
719-637-1375 Dits & Bits          ?                    CO                 ?
803-650-9022:Periscope            Walt Mayo            Myrtle Beach, SC   ?
803-871-3468 Tinbrain's BBS       ?                    Summerville, SC    3
804-249-8621 Diplomat BBS         ?                    Newport News, VA   ?
804-471-3360:Tidewater AR/CF      Jim Rhodes           VA Beach, VA       U
804-550-3338:Flamethrower         Jeffrey Loughridge   Richmond, VA       U
804-591-0736 Felicia              ?                    VA                 ?
805-942-0329 Superbyte            NE6I                 Lancaster, CA      3
805-947-4357 WB6FIU Fido BBS      WB6FIU               Palmdale, CA       312
805-967-0895 Compucations BBS     ?                    Santa Barbara, CA  ?
806-352-2482:The Radio Board      Ron Chase            Amarillo, TX       U
806-352-9365:The Radio Board      Ron Chase            Amarillo, TX       ?
807-345-3991 CITINET              ?                    Thunder Bay, ON    ?
808-533-0190 Small Biz Help Net   ?                    Honolulu, HI       ?
812-332-7227 Indiana On-Line      WB9LWQ               Bloomington, IN    312UM
813-859-4800 DataLink             ?                    Lakeland, FL       ?
813-874-3078*Pac-Comm, Inc. BBS   KC2FF/W1BEL          Tampa, FL          312
813-920-8820:Prof Data Exchange   K8WVH                Tampa, FL          U>
814-255-OPUS Flood City's Opus    ?                    Johnstown, PA      ?
814-337-2021:Magical Mystery Tour Glenn Rudolph        Meadville, PA      U
816-241-1012 N0AJI BBS (a/c 314?) N0AJI                St. Louis, MO      3
816-331-5868 Howard's Notebook    ?                    Raymore, MO        ?
816-331-7023 Online II Ham Radio  ?                    Belton, MO         3
816-833-3427+Ham BBS              ?                    Independence, MO   3
817-531-4761:Dept of Electronics  KC5WE                Ft. Worth, TX      U
817-662-2361:FileQuest            Jim Ray              Waco, TX           U
818-967-3108?Dataline             N6ECN                Pasadena, CA       31
818-998-0319 CSC Ham BBS          K6IYK                Pasadena, CA       312
901-872-8385 CyberNet BBS         ?                    Millington, TN     ?
902-868-2475:VE1EI BBS            Doug Oldridge        Halfax, NS Canada  T
904-651-8684 Hot Muddy Duck       N4HMD                Pensacola, FL      31
904-733-4515+Jace                 ?                    Jacksonville, FL   ?
907-243-0324 CHSIE                K7TPN                Anchorage, AK      3
913-345-1978:ANARC                ANARC                Shawnee Mission,KS ?
914-365-0180 Mnematics Videotext  WA2IAC/(K2SK-HR SIG) Sparkill, NY       ?
914-485-3393 COYnet Ham Radio BBS WB2COY               Poughkeepsie, NY   31
914-667-9385:Joe Brown's BBS      ?                    Mt. Vernon, NY     U
914-695-2060:Onesty & Assoc.      Patrick Onesty       Middletown, NY     ?
914-738-6857 M&M's Pelham Public  ?                    Pelham, NY         ?
915-653-9077:HAMNET BBS           N5JZZ                TX                 ?
915-673-9668 Midnight Special     ?                    Abilene, TX        ?
915-755-3053 CrossRoads           ?                    El Paso, TX        ?
915-944-1436:Teleport ][ BBS      Dori Peterson        San Angelo, TX     U
916-362-1755*Niteline             Rick Hight           Mather AFB, CA     U
916-366-5531 Amateur Radio Opus   Howard Evans         Rancho Cordova, CA ?
916-678-1535:WA6RDH BBS           WA6RDH               Dixon, CA          312V
916-920-1288:QST BBS              ?                    Sacramento, CA     ?
916-961-4921 Amateur Radio Opus   ?                    Sacramento, CA     ?
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918-272-4327:Mac's Place         ?                    Tulsa, OK          ?
918-747-0250:Tulsa Ham & Eggcenter?                   Tulsa, OK          ?
919-353-0610 Broadcasting TBBS    ?                   Jacksonville, NC   3
919-460-0586 ALS BBS             ?                    Cary, NC           ?
919-779-6674:Micro Mesage Service Mike Strand         Raleigh, NC        ?
919-781-4203:Capitol Opus        ?                    Raleigh, NC        ?

Overseas phone #   Name / (SysOp)                     Location           Speed
================== ================================== ================== =====
011-03-512-5396(?) Radio Amateurs Club (Shlomo Musaali)L. Israel         ?
011-04-381-299 (?) The Miler House (4Z4RN)            L. Israel          ?
011-0485-60368 (?) SSA Databus                        Sweeden (?)        ?
011-31-35-45395    Radio Netherlands FIDO BBS         Hilversum, Holland 31
011-353-1-88-56-34 Dublin Users BBS (Swdn Calling DX?) Dublin, Ireland   312
011-44-707-52242   RSGB Databox                       United Kingdom     2
011-46-8-7564197   Ham Systems Base                   Stockholm, Sweeden ?
011-46-8-7495826   The Alley Cat                      Stockholm, Sweeden ?
011-47-2-267414    The Ham Chat                       Oslo, Norway       ?
011-47-34-59530    Dasan BBS                          Sandefjord, Norway ?
011-478-6703 (?)   B.E.S.T. (Mohamed Albatati)        Riyadh,Saudi Arabia?
011-54-1-51-9973   Gateway (LU7ABF)                   Buenos Aires, Arg. ?
011-54-1-764-4189  Telecom Net                        Buenos Aires, Arg. ?
011-852-0-459      Hamnet Hub                         Hong Kong          ?
011-852-0-581828   HAMNET                             Hong Kong          12

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Thomas Brown, KA2UGQ          BITNET: twb0@lehigh.bitnet
Lehigh University UC Box 855    ARPA: twb0@ns.cc.Lehigh.EDU
Bethlehem, PA  18015            UUCP: ..!uunet!twb0@lehigh.bitnet
(215) 758-0093                 AX.25: ka2ugq@ka2ugq.nj.usa.na

'You can't have everything...where would you put it?' -S.W.


From 860057192796938O134
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29b4a11527361cbc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-15 15:06:32 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!samsung!cs.utexas.edu!yale!venus!
yalevm!maine!io60370
From: IO60370@MAINE.BITNET
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <91015.180632IO60370@MAINE.BITNET>
Date: 15 Jan 91 23:06:32 GMT
References: <1991Jan6.204033.19970@informix.com> <41aFV2w163w@phoenix.com>
<1991Jan8.193844.11586@alias.uucp> <2413@risky.Convergent.COM>
Organization: University of Maine System
Lines: 9
Xref: gmdzi rec.radio.shortwave:3580 rec.ham-radio:19432
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Posted: Tue Jan 15 17:06:32 1991

In some random news article, scottl@convergent.com (Scott Lurndal) writes:

> This same sort of thing also applies to establishments that refuse currency
> denominations greater than $20, I believe. The wording on all currency
> states that it is "legal tender for all debts, public and private".

As pointed out by a leading consumer magazine, 'legal tender' does not imply obligation. No person or business is required to accept cash in any form - $20 bills or singles.

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From 1070930607533304859
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7b3769612581306c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 15:51:00 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: What rig is best for VHF/UHF Work?
Message-ID: <1991Jan14.200919@envy.bellcore.com>
Date: 15 Jan 91 01:09:19 GMT
References: <9101111816.AA19175@ucsd.edu> <22638@rouge.usl.edu>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 24
```

In article <22638@rouge.usl.edu>, jpd@pc.usl.edu (Dugal James P.) writes:
|> Or, get one switched by DC on the coax (Icom and Ampire make them, or
|> add a choke in the preamp to pass the DC and block RF).

A comment on feedline-powered preamps: there are at least two general varieties, relay switched and PIN diode switched. The relay switched models can handle more RF power, but they generally take a lot more DC current. In some cases this can be more than the supply in the rig can put into the coax.

I discovered this when I tried to use the Icom relay-type preamp with my Icom 471A 70cm rig. This is the low power version for which Icom had a PIN-switched preamp, but I had opted for the relay type preamp anyway because I have an external power amplifier. I then discovered that the 471A's preamp power switch circuit limited the preamp supply current to a level below that needed to pull in the relays in the preamp.

I worked around the problem by reducing the size of the resistor using in the current sense circuit in the 471A and hoping that the switch transistor wouldn't be overstressed by the extra current. So far I've gotten away with it.

Phil

From 2127893127488499557
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c1b78eff964b1463,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 15:52:05 PST
Path: gmdzi!unido!mcsun!uunet!samsung!spool2.mu.edu!uwm.edu!bionet!agate!ucbvax!MVS.OAC.UCLA.EDU!CSMSCST
From: CSMSCST@MVS.OAC.UCLA.EDU (Chris Thomas, AA6SQ)
Newsgroups: rec.ham-radio
Subject: Route/Info for T30WW?
Message-ID: <9101150117.AA09166@ucsd.edu>
Date: 15 Jan 91 01:16:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4
Posted: Mon Jan 14 19:16:00 1991

Does anyone have a QSL route, home call, or other info on T30WW?
I and several friends in the area worked this station during the
CQWW CW test last fall. No one seems to know who it was or whether
he/she has a QSL mgr.

From -2040435834128276471
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,af76119942cd76b6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 17:25:18 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!wrgate!copper!michaelk
From: michaelk@copper.WR.TEK.COM (Michael D. Kersenbrock)
Newsgroups: rec.ham-radio
Subject: Re: rhombic antenna
Message-ID: <4782@wrgate.WR.TEK.COM>
Date: 16 Jan 91 01:25:18 GMT
References: <1991Jan15.150821.13309@lonex.radc.af.mil>
Sender: news@wrgate.WR.TEK.COM
Organization: Tektronix
Lines: 85

In article <1991Jan15.150821.13309@lonex.radc.af.mil> szarekw@lonexc.radc.af.mil (William J. Szarek) writes:

>I am thinking seriously about putting up a 160 meter rhombic at my shack.
> Is there anybody out there who has experience with these antennas?

I once built one for field day one year (single-op, I placed first
in the 4th call district and something like 4th or 5th overall). It
was about 250 feet on a side, built with copperweld wire, and was maybe
40 feet above the sandy ground near Lizard Lick, N.C. :-)

Worked magnificently, a 20KW signal with 100 watts. Sigh.... Had it up for one weekend, and it's still in my garage after all these many many years....

I "designed" it using ARRL handbook (Antenna book) to make the takeoff angle optimized for 20 meters, but it worked very nicely 80-10m.

>My understanding is that the feed-point impedance is 600 ohms or so. I
>would imagine that 600 ohm feedline would work well from the antenna to
>the shack, but once inside the shack I need 50 ohms. Does that mean
>that I need a 12 to 1 balun? If so how do I "make" one (I'll buy one

Yes, but what I did was to put the 12:1, balanced-to-unbalanced balun *at* the feedpoint (with a plastic cover, although it didn't rain that weekend as I recall), and used coax down to the "shack" (which was a tent).

>if I have to but I want to "learn" something)? I have the ARRL
>handbook, Antenna compendia 1 &2 , as well as the antenna matching book
>but they don't address this problem completely and I want to get this
>antenna up before winter is over so I don't have time to "school"
>myself on the fine art of matching.

I figured out how to build the balun from the ARRL handbook, same algorithm as mentioned in the book, just different parameters. Worked perfectly. I remember it being "interesting" doing the winding though.

>I'd like the antenna to be run
>as an all-bander and this should be possible with a tuner (am I
>wrong?).

Should be nearly 1:1 on all bands with no tuner. Both the antenna (and hopefully your balun) will be broadbanded. Make sure your transmitter is harmonic-free, any harmonics will be transmitted magnificently.

>The terminating resistor, required for omni-directional
>operation, should be the same value as the feedpoint impedance. Does
>this mean that I need a 2KW 600 ohm resistor? If so where do I find

Only if you are operating illegally. Aren't we limited to 1500 Watts OUTPUT power now (output power being the only power the antenna sees)? Even still, I think the requirements were something like 25-35% of the transmitting power although my memory is fuzzy on that one. I used several non-inductive power-resistors in series. The resistor needs to be non-inductive. Normal resistors are rated at a higher ambient than outside in the open air, so they may be a bit pushable. Also, unless you transmit key down (using RTTY w/the rhombic?), duty cycle might be taken into account. Of course, mine only had to last the weekend, and it would not be all that disasterous had it blown anyway.

>one?

>I live in an old farmhouse with lots of room to put up this

>antenna and I believe this could be my once in a lifetime chance to
>work such a monster antenna. Any help you can give will be greatly
>appreciated.

Good luck. They are easy to build if you have huge amounts of room and trees in the right spot (like an open field surrounded by trees is perfect).

>thanks es 73
>buzz
>wm1w > > >

Mike Kersenbrock WB4IOJ
Tektronix Digital Instruments Division
michaelk@copper.WR.TEK.COM
Aloha, Oregon

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Mike Kersenbrock
Tektronix Digital Instruments Division
michaelk@copper.WR.TEK.COM
Aloha, Oregon

From -1383778687785355495
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,528b764f2711a0a3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 17:30:14 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!think.com!linus!philabs!ttidca!sorgatz
From: sorgatz@ttidca.TTI.COM (Avatar)
Newsgroups: rec.ham-radio
Subject: On having a copy of the Part 97 rules
Message-ID: <22696@ttidca.TTI.COM>
Date: 16 Jan 91 01:30:14 GMT
References: <10.Jan.91.13:19:37.GMT.#9701@UK.AC.NWL.IA> <1991Jan12.015801.27509@NCoast.ORG> <1991Jan14.214730.11237@ux1.cso.uiuc.edu>
Organization: Citicorp/TTI, Santa Monica
Lines: 24

In article <1991Jan14.214730.11237@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN) writes:
+allbery@NCoast.ORG (Brandon S. Allbery KB8JRR) writes:
+
+>Must be nice to be able to use AM on 160... voice isn't allowed on it in the
+>USA. (What's the FCC's rationale behind this, BTW?)
+
+There is no rationale because 160 meters happens to be the ONLY HF band
+on which voice *IS* allowed on the ENTIRE BAND.
+
+How many hams in the USA have a copy of the current rules?
+--

Not very many, I'd venture to guess! There seems to be a bell curve that associates the empirical probability of this with the age of one's ticket.. ..there are exceptions to the rule of course. In general (no pun intended) it seems to me that the older hams fail to keep up with the changes in Part 97, you should have heard the screaming that went on here in L.A. when the 10 meter band was opened to the Novices!

```
-Avatar-> (aka: Erik K. Sorgatz) KB6LUY           +-------------------------+
Citicorp(+)TTI                                  *----------> panic trap; type = N+1 *
3100 Ocean Park Blvd. Santa Monica, CA  90405     +-------------------------+
{csun,philabs,psivax,pyramid,quad1,rdlvax,retix}!ttidca!sorgatz **
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR ITS MANAGEMENT!)
```

From 4105895140070849140
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 17:51:48 PST
Path: gmdzi!unido!mcsun!uunet!zaphod!julius.cs.uiuc.edu!apple!agate!shelby!csli!kawai
From: kawai@csli.Stanford.EDU (goh kawai - n6uok)
Newsgroups: rec.ham-radio
Subject: FM on HF (was: re: homebrewing)
Message-ID: <17186@csli.Stanford.EDU>
Date: 15 Jan 91 02:12:31 GMT
References: <19917.799.7009@canrem.uucp> <654@chiton.ucsd.edu> <1949@ke4zv.UUCP> <1991Jan14.213223.8780@ux1.cso.uiuc.edu>
Organization: speech research and technology, sri international
Lines: 23

Phil Howard asks Gary Coffman:

>> ... the lower portions of HF where FM is not legal ...

> What HF bands is FM not legal on where voice is otherwise legal?

This is one question I have had myself.

I have never seen explicit mention in the FCC rules prohibiting FM on frequencies below 29.000 MHz. However, it is a fact that the only frequencies where FM is practiced on HF are between 29.000 and 29.700, especially between 29.100 and 29.300 plus between 29.500 and 29.700. (29.000 thru 29.100 is primarily the AM subband. 29.300 thru 29.500 is the satellite subband. FM can be used in both subbands if it will not cause interference.) It is also a fact that in some countries, FM is indeed limited by law to the higher portion of 10 meters.

Is there any legal limit on bands we can use for FM? Does anybody know for sure?

----------------- speech technology and research, sri, menlo park, california

--- Goh Kawai --- work:(415)859-2231   fax:(415)859-6171   home:(415)964-1782
----------------- internet: kawai@speech.sri.com   radio: n6uok and 7l1fqe

From -8174422965571409581
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8fe8724e3e054c4c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 17:56:17 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: CW snobbery - was "homebrewing"
Message-ID: <1069.27922A3F@w8grt.fidonet.org>
Date: 15 Jan 91 03:13:11 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 18

 > From: tad@ssc.UUCP (Tad Cook)
 > Date: 13 Jan 91 00:30:01 GMT
 > Organization: very little
 > Message-ID: <771@ssc.UUCP>
 > Newsgroups: rec.ham-radio
 >
 > HUH??!? I have been a ham now for over 25 years, and have NEVER run
 > into an individual who has expressed this attitude!

Oh, come now, we have ALL met them (except you, apparently) - at every club
meeting, net meeting, hamfest, Hamvention, National Convention we ever went to.
They're all over the place.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 4452578650219665068
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 17:58:30 PST
Path: gmdzi!unido!mcsun!uunet!olivea!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Beacon operation (was re: FM on HF (was re: homebrewing))
Message-ID: <48095@apple.Apple.COM>
Date: 15 Jan 91 03:24:30 GMT
References: <19917.799.7009@canrem.uucp> <654@chiton.ucsd.edu> <1949@ke4zv.UUCP>
<1991Jan14.213223.8780@ux1.cso.uiuc.edu> <17186@csli.Stanford.EDU>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 32

kawai@csli.Stanford.EDU (goh kawai - n6uok) writes:

>Phil Howard asks Gary Coffman:

>>> ... the lower portions of HF where FM is not legal ...
>>
>> What HF bands is FM not legal on where voice is otherwise legal?
>
>Is there any legal limit on bands we can use for FM? Does anybody know
>for sure?

Here is another one for the Oracles: does anyone know for
sure what the definitive rules for Beacon operation in the
U.S. is?

The FCC rulebook seems to have incantations about Beacons in
10m-and-above-only and yet we have the two U.S. beacons on
14,100 kHz. Special dispensation or is the rulebook dated?

Also, what is the longest Dash one can send before it is no
longer considered to be A1A, but is N0N instead?

I would love to be able to use beacon mode for antenna
measurement purposes, at least on 15m. ...not that I don't
trust the accuracy of RSTs :-) :-).

73,

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From -3434937616245862770
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 18:24:55 PST
Path: gmdzi!unido!mcsun!uunet!olivea!samsung!usc!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: "ricebox"
Message-ID: <48098@apple.Apple.COM>
Date: 15 Jan 91 04:39:38 GMT
References: <819@wells.UUCP> <1991Jan12.042810.28007@informix.com>
<48015@apple.Apple.COM> <1991Jan15.000354.27977@informix.com>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 43

randall@informix.com (Randall Rhea) writes:

>In article <48015@apple.Apple.COM> kchen@Apple.COM (Kok Chen) writes:
>>randall@informix.com (Randall Rhea) writes:
>>>>
>>>They take offense because it's a racist remark.
>>
>>Before you lump everyone into the "they" column, some of "us"
>>have a sense of humour too, you know. :-) I, for example, interpret
>>that as a remark on the *products* and not the *people.*

>"Ricebox" is intended to be a derogatory term aimed at a particular
>nationality. This, to my mind, is "racism."   It doesn't offend me,
>and I'm glad that as an Asian person, you're not offended either. (you're
>not Japanese, though ...)   However, if I were Japanese, I certainly
>would be offended. What if I called a product from Taiwan a "chink-box?"
>Would you still have a "sense of humor?"

Sure, why shouldn't I? I am not from BV-land. Never set foot
there. Ever. As a liberalized person, you are not trying to put
a racial stereotype on me, now, are you? Tsk, tsk. :-) <- Smiley alert!

More seriously, I distinctly remember the original poster said
"Asian Ricebox." Feel free to assume that, as an Asian who
consumes a lot of rice, I am offended by that phrase, but truth is,
I simply cannot get worked up over it.

As I read it, the original poster was making degrading remarks
on Kenwoods and Yaesus, not Asians; nor, heaven forbid, our rice
containers!

Yep, sure am Chinese myself, but not from BV, OM; first came
into this world by way of HS-land.

I have encountered racism. However, this one is not even close,
Randall. Maybe I am too soft on a fellow Ham... oops, there I
go offending someone - I meant Radio Amateur.

73,

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From 8681912923090279492
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 18:50:45 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!
col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Re: FM on HF (was: re: homebrewing)

Message-ID: <27080052@col.hp.com>
Date: 16 Jan 91 02:50:45 GMT
References: <17186@csli.Stanford.EDU>
Organization: HP Colorado Springs Division
Lines: 29

>> What HF bands is FM not legal on where voice is otherwise legal?
>
>This is one question I have had myself.
>
>I have never seen explicit mention in the FCC rules prohibiting FM on
>frequencies below 29.000 MHz. However, it is a fact that the only
>frequencies where FM is practiced on HF are between 29.000 and 29.700,
>especially between 29.100 and 29.300 plus between 29.500 and 29.700.
>(29.000 thru 29.100 is primarily the AM subband. 29.300 thru 29.500
>is the satellite subband. FM can be used in both subbands if it will
>not cause interference.) It is also a fact that in some countries, FM
>is indeed limited by law to the higher portion of 10 meters.
>
>Is there any legal limit on bands we can use for FM? Does anybody know
>for sure?
>

Sorry, I can't quote the FCC chapter and verse, but FM is allowed
by the FCC on bands below 29.0 MHz ONLY IF THE BANDWIDTH DOES NOT
EXCEED THAT OF A (DOUBLE-SIDEBAND) AM SIGNAL. The standard type of
FM that is used on the amateur radio bands is wider than this, so it is not
used below 29 MHz.

```
Bob Witte              HP Colorado Springs Division
bobw@col.hp.com        P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO  80901
Radio: KB0CY
"Any band, any mode."
```

From 8945264016645446497
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64ebb1df5ba2dda2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 18:53:26 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!hpsad!mikew
From: mikew@hpsad.HP.COM (Mike Weihman)
Newsgroups: rec.ham-radio
Subject: Re: Non-acidic RTV
Message-ID: <1530056@hpsad.HP.COM>
Date: 16 Jan 91 02:53:26 GMT
References: <09.Jan.91.17:42:35.GMT.#9171@UK.AC.NWL.IA>
Organization: HP Signal Analysis Division - Rohnert Park, CA
Lines: 19

The stuff I use is called Dow Corning 3145 RTV adhesive/sealant.

-mike

****
Mike Weihman   n1dje: RACES, CDF-VIP
mikew@hpsadmjw.hp.com
mikew%hpsad@hp-sde.sde.hp.com

Hewlett-Packard Co.   Volunteer firefighter/EMT
Signal Analysis Division   Penngrove Fire Prot. Dist.
1212 Valley House Drive   Penngrove, CA
Rohnert Park, CA 94928
(707)794-4454
****

From 2425664745701646923
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,147263284118940
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 19:44:55 PST
Path: gmdzi!unido!mcsun!uunet!olivea!samsung!zaphod.mps.ohio-state.edu!
unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: Exam Procedure
Summary: a better code test
Message-ID: <891@wells.UUCP>
Date: 16 Jan 91 03:44:55 GMT
References: <18992@shlump.nac.dec.com>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 26

In article <18992@shlump.nac.dec.com>, magid@esis.enet.dec.com (Joel Magid...)
writes:
>
> In article <1991Jan14.235232.27648@informix.com>, randall@informix.com (Randall
Rhea) writes...
>
>
>   Do they give the 5,13,and 20 WPM code exams as multiple choice ?
>
>   This should make for a lively debate here.

The VE is permitted to choose his own method of testing, but it's generally
a ten-question test, with 70% passing -- or a minute solid copy which
is always the ultimate pass.

Fill-in the blanks, multiple choice, true/false.

I prefer the true-false; ten questions. 10 per correct, 0 per blank, and -10 per incorrect. Properly done it separates the men and women from the boys and the girls.

Too many of the fill-in-blanks, which most crews use, are too easy to bust. Just copy the "obvious"items such as callsigns, etc. The punctuation never shows up, so disregard.   Try a test with us. If you don't know how to copy you have a problem.

K3TX

From -8992320902868364888
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,af76119942cd76b6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 19:49:38 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: rhombic antenna
Message-ID: <1250339@hpnmdla.HP.COM>
Date: 16 Jan 91 03:49:38 GMT
References: <1991Jan15.150821.13309@lonex.radc.af.mil>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 55
Posted: Tue Jan 15 21:49:38 1991

In rec.ham-radio, szarekw@lonexc.radc.af.mil (William J. Szarek) writes:

>I am thinking seriously about putting up a 160 meter rhombic at my shack.
> Is there anybody out there who has experience with these antennas?

>My understanding is that the feed-point impedance is 600 ohms or so. I would
>imagine that 600 ohm feedline would work well from the antenna to the shack,
>but once inside the shack I need 50 ohms. Does that mean that I need a 12
>to 1 balun? If so how do I "make" one (I'll buy one if I have to but I want
>to "learn" something)? I have the ARRL handbook, Antenna compendia 1 &2
>, as well as the antenna matching book but they don't address this problem
>completely and I want to get this antenna up before winter is over so I don't
>have time to "school" myself on the fine art of matching.

Make a parallel-tuned circuit with the open-wire feeders connected to each end. Ground the coil center tap to coax shield, and connect the coax center conductor about 1/2 to 2/3 up from ground on one side. (Adjust for lowest SWR) I would try about 10 uH and 750 pF (nominal value -- make it variable and tune for lowest SWR).

>I'd like the antenna to be run as an all-bander and this should be possible

>with a tuner (am I wrong?).

Right. The impedance should be in the general vicinity of 600 ohms or so on all bands. You'd have to retune the above tuned circuit, of course.

>The terminating resistor, required for omni-directional operation, should
>be the same value as the feedpoint impedance. Does this mean that I need
>a 2KW 600 ohm resistor? If so where do I find one?

The terminating resistor is required only if you want a UNI-directional pattern. Without it, the antenna is bi-directional. (Also the impedance is more constant with frequency with the resistor.) Temporarily use a variable resistor on receive to tune for best front-to-back ratio, and then replace it with a non-inductive power resistor of the same value. As I recall, about half the transmitted power is dissipated in the resistor, so for 1500 watts output, you would need a non-inductive resistor that can dissipate 750 watts for whatever duty cycle you will be using.

>I live in an old farmhouse with lots of room to put up this antenna and I
>believe this could be my once in a lifetime chance to work such a monster
>antenna. Any help you can give will be greatly appreciated.

This will be a VERY big antenna. If it is, say, 4 wavelengths per side, each side is over 2000 feet long, with the entire antenna about 2/3 of a mile from tip-to-tip! It should be as high as possible. 1/4 wavelength would require 130 foot masts, and 1/2 wavelength would be better. The angle between the wires is important for best directivity, and is a function of the length (in wavelengths) of each side. Although it will only be optimum for one band, you will get gain on the other bands as well.

The ARRL Antenna Book has (or at least used to have) a good section on rhombic design.

AL N1AL

From 235565061802969572
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,147263284118940
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 20:02:02 PST
Path: gmdzi!unido!mcsun!uunet!olivea!apple!usc!zaphod.mps.ohio-state.edu!ub!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: Exam Procedure
Message-ID: <892@wells.UUCP>
Date: 16 Jan 91 04:02:02 GMT
References: <18992@shlump.nac.dec.com> <48105@apple.Apple.COM>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 16

The tips on how to pass a code test show how ridiculous
the current tests really are. The old solid minute tests
like the FCC gave made sense.

At most VE sessions it takes the ability to copy about 8 to pass
13 and copy about 15 to pass the 20.

You don't have to know much to pass ANY written test. Just have
a good memory.

Sorry, but that's the way it is now, and that's why we have
Generals and above BUYING   DIPOLES and asking
__what's an ohmmeter? ___

K3TX.

From -2123816763542074079
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76489b0e31b4a973
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 20:10:40 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Standard 12V DC Connectors
Message-ID: <4566@lib.tmc.edu>
Date: 15 Jan 91 06:29:32 GMT
References: <CMM.0.88.663802576.rdixon@magnus.ircc.ohio-state.edu>
<1250333@hpnmdla.HP.COM>
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 14
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <1250333@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes,
about 2-pin Cinch-Jones connectors:
>The Drake UV-3 uses this connector for power supply. Of course, they
>used the LARGE connector for +12V and the SMALL pin for ground.

They weren't the only ones, either. The Clegg FM-27 series (at least the
-B I had once upon a time) wired the pins this way, too. Naturally, that's
how I standardized, since that was the first 12-volt powered rig I owned.
I wound up, eventually, rewiring every connector I'd made up...

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
       "Fahrvergnugen, y'all." -- Volkswagen billboard in Houston

From 1891332087290553262
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,29b4a11527361cbc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-15 20:59:48 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!colnet!res
From: res@colnet.uucp (Rob Stampfli)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <1991Jan16.045948.16879@colnet.uucp>
Date: 16 Jan 91 04:59:48 GMT
References: <41aFV2w163w@phoenix.com> <1991Jan8.193844.11586@alias.uucp>
<2413@risky.Convergent.COM>
Organization: Columbus Public Access Unix
Lines: 11
Xref: gmdzi rec.radio.shortwave:3599 rec.ham-radio:19453

>|> It is AGAINST THE LAW in both Canada and the United States to refuse a cash
>|> transaction in this context.
>
>This same sort of thing also applies to establishments that refuse currency
>denominations greater than $20, I believe.  The wording on all currency
>states that it is "legal tender for all debts, public and private".

Technically correct.  They do have to accept legal tender.  But, they do not
have to make change for big bills.
--
Rob Stampfli, 614-864-9377, res@kd8wk.uucp (osu-cis!kd8wk!res), kd8wk@n8jyv.oh


From 2421869115981128181
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,104d82c82da6fb5a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 21:12:19 PST
Path: gmdzi!unido!mcsun!uunet!olivea!oliveb!amdahl!netcom!mcmahan
From: mcmahan@netcom.UUCP (Dave Mc Mahan)
Newsgroups: rec.ham-radio
Subject: Re: WEFAX question and comments
Message-ID: <20942@netcom.UUCP>
Date: 15 Jan 91 07:04:29 GMT
References: <D81EB1CC7F9FC0305C@ulkyvx.bitnet> <20574@netcom.UUCP>
<246@heimat.UUCP>
Organization: Dave McMahan @ NetCom Services
Lines: 20


 In a previous article, dan@heimat.UUCP (Dan 'Sneakers' Schein) writes:
>In article <20574@netcom.UUCP> mcmahan@netcom.UUCP (Dave Mc Mahan) writes:
>>
>>suspect that they are.  Of course, the amiga really isn't too usable while
>>an image is being received.
>>
```

> I beg to differ ;-)

Ahh, but dan, you have to remember that most folks don't realize you are using
a 68020 CPU with bunches of extra memory while I was speaking for the rest of
us that have 'only' a 68000 and standard RAM. Didn't your mom ever tell you
it's not nice to brag and leave out the juicy details?   :-)

-dave

--
Dave McMahan   mcmahan@netcom.uucp
{apple,amdahl,claris}!netcom!mcmahan

From 2832872470357518984
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a95d70cfe5d363a6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 21:14:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ub!dsinc!bagate!cbmvax!uunet!pilchuck!amc-gw!sumax!halcyon!myshkin
From: halcyon!myshkin@sumax.seattleu.edu (Peter Bruinsma)
Newsgroups: rec.ham-radio
Subject: Is a passive reflector a transmitter?
Keywords: stealth paint
Message-ID: <NqPuV1w164w@halcyon.uucp>
Date: 16 Jan 91 05:14:22 GMT
Organization: The 23:00 News
Lines: 6

Somehow part of my last followup missed the first line.
I was talking about stealth paint which can be obtained
from consumertronics (see their small ad in the Computer
Shopper)

Peter

From 3201312959462822056
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,654121e31909769a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,5bf85d6a6dc07d67
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-15 21:17:21 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!kannel!huopio
From: huopio@lut.fi (Kauto Huopio OH5LFM)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Lithuanian Parliment station logged
Message-ID: <HUOPIO.91Jan15110315@kannel.lut.fi>
Date: 15 Jan 91 10:03:15 GMT
References: <18905@shlump.nac.dec.com> <1991Jan14.032604.6306@cbnewsj.att.com>

Sender: huopio@lut.fi (Kauto Huopio OH5LFM)
Organization: Lappeenranta University of Technology, Finland
Lines: 21
Xref: gmdzi rec.radio.shortwave:3557 rec.ham-radio:19381
In-Reply-To: ralph@cbnewsj.att.com's message of 14 Jan 91 03:26:04 GMT
Disclaimer: Opinions expressed below are writers own.
Peruutus: Mielipiteet ovat omiani.

> In article <18905@shlump.nac.dec.com> brewer@ace.dec.com (John Brewer) writes:

> > I was logged into the Portal shortwave conference last night when
> >we logged LY2WW, a ham station inside the Lithuanian parliment building

> I listened to Radio Vilnius Saturday night, and they were
> broadcasting desperate appeals to the west--I'm still not exactly

If you hear LY2WW or any other stations from Lituanina and the other
baltic states (Latvia is under trouble already..), and if thay have
any messages to be forwarded, do so! And if you are a ham and want to
chat them, note that these frequencies have emergency status. If they
have time to normal chatter, do chat but if there are messages, please
obey good operating practice.

--Kauto OH5LFM
--
****************** Kauto Huopio (huopio@kannel.lut.fi) **********************
* Mail: Kauto Huopio, Punkkerikatu 1 A 10, SF-53850 Lappeenranta,Finland *
****

From 1801988798416277442
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 21:23:03 PST
Path: gmdzi!unido!mcsun!uunet!zaphod!julius.cs.uiuc.edu!apple!agate!shelby!csli!kawai
From: kawai@csli.Stanford.EDU (goh kawai - n6uok)
Newsgroups: rec.ham-radio
Subject: Re: "ricebox"
Message-ID: <17190@csli.Stanford.EDU>
Date: 15 Jan 91 09:04:11 GMT
References: <819@wells.UUCP> <1991Jan12.042810.28007@informix.com>
<48015@apple.Apple.COM> <1991Jan15.000354.27977@informix.com>
Organization: speech research and technology, sri international
Lines: 31

Randall Rhea comments in response to Kok Chen:

> "Ricebox" is intended to be a derogatory term aimed at a particular
> nationality ... if I were Japanese, I certainly would be offended.

Anti-Japanese terms sadden me not because I am Japanese but because they hide the true cause of discomfort. When I hear remarks like "Japs make riceboxes and sell them to the U.S., only to use the money gained this way to buy Hollywood", I notice a deep lack of understanding of one's own self; an arrogant ignorance. If you hate something so badly, why mention it at all unless there is a vacant yearing in your soul groping for something better? If you seek fulfilment, why not work harder to better your environment?

The recent "Radio Shack bashing" seems to me another instance of such under-fulfilment. People hate not Radio Shack but the lack of a better store to shop at. It is the shortcomings that are not remedied that cause anger. You can think of this in terms of customer dissatisfaction and hence opportunity for money to be earned, if you prefer. My oriental values liken it to a child who shakes his fist at a rain cloud, not because he hates rain but because he cannot go out to play. Do not blame rain nor Radio Shack nor the Japanese for what you cannot do.

Perhaps I am sounding too "zen". Let me say that if you agree with me, then there is no need for reasoning. If you do not, at least it was worth my effort to state my feelings.

```
----------------- speech technology and research, sri, menlo park, california
--- Goh Kawai --- work:(415)859-2231   fax:(415)859-6171   home:(415)964-1782
----------------- internet: kawai@speech.sri.com      radio: n6uok and 7l1fqe
```

From 8497883614028250041
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,147263284118940
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 10:10:03 PST
Path: gmdzi!unido!mcsun!uunet!issm!wlbr!lonex.radc.af.mil!popyackl
From: popyackl@lonex.radc.af.mil (Leonard J. Popyack)
Newsgroups: rec.ham-radio
Subject: Re: Exam Procedure
Message-ID: <1991Jan14.124957.14978@lonex.radc.af.mil>
Date: 14 Jan 91 12:49:57 GMT
References: <D75AEB24D3BF201851@uncg.bitnet>
Organization: RADC
Lines: 19

In article <D75AEB24D3BF201851@uncg.bitnet> MOSIER@UNCG.BITNET (Steve Mosier) writes:
>I know that the VE organization doesn't presently (before no-code) give Novice
>exams. But I would assume that if a non-ham goes into a walk-in exam site for
>his Technician, that he would be given the Novice and Tech written as well as
>the 5 wpm code. Is this correct? A friend of mine wants to get his Tech
>license before no-code starts, and there is a local walk-in exam on the first
>Saturday in February.
>
>tnx es 73 - de W3GRG steve

We sure do offer NOVICE Exams at a VE session. I am contact VE for the
Madison Oneida ARC VE session and we have allowed Novice exams at every session
for the past two years!

BTW we run W5YI exams every month (the third FRIDAY) at 7PM. Always walk-in.
Place: Madison-Oneida BOCES, Verona, NY (Exit 33 off I 90)
Talk-In: 145.370

Len
WF2V

From 6824906727058858583
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79e09e9b58c9889e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 10:10:05 PST
Path: gmdzi!unido!mcsun!uunet!issm!wlbr!lonex.radc.af.mil!popyackl
From: popyackl@lonex.radc.af.mil (Leonard J. Popyack)
Newsgroups: rec.ham-radio
Subject: Re: spreadspectrum info wanted
Message-ID: <1991Jan14.130451.15678@lonex.radc.af.mil>
Date: 14 Jan 91 13:04:51 GMT
References: <11054@lanl.gov> <1991Jan11.210210.13023@ux1.cso.uiuc.edu>
Organization: RADC
Lines: 5

Someone was looking to use a HT with spread spectrum, look at QST last year
or so. There was an article about using SS on 70cm. I hope to build this
sometime. Maybe it was in 1989??? Anyone know the issue?

Len WF2V

From -4507222960908438928
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9db0794c573ac9f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 10:20:31 PST
Path: gmdzi!unido!mcsun!uunet!samsung!dali.cs.montana.edu!masscomp!peora!tarpit!
tous!alfred!fang!atssc!so9see!akgua!atl2!valha1!jal
From: jal@valha1.ATT.COM (Joseph Leggio WB2HOL)
Newsgroups: rec.ham-radio
Subject: Re: Ramsey kits
Message-ID: <574@valha1.ATT.COM>
Date: 14 Jan 91 18:20:31 GMT
References: <1991Jan12.020722.27680@NCoast.ORG>
Organization: AT&T Customer Software Services Center, Valhalla, NY
Lines: 16

From article <1991Jan12.020722.27680@NCoast.ORG>, by allbery@NCoast.ORG (Brandon
S. Allbery KB8JRR):
> As quoted from <1991Jan10.192608.12783@xanadu.com> by jeff@xanadu.com (Jeff

```
Crilly N6ZFX):
> +---------------
> | I built the 2 meter receiver that is ne602 based.  It works but the
> | squelch doesn't (though I made work after looking at the spec in the
> | motorola book) and it really needs a preamp.  Though for ~$20 what
> +---------------
>
I too had the same problem with the squelch, it is possible to
get a copy of the modification needed to get it to function properly?

I also tried (without success) to troubleshoot the squelch circuit. My
receiver also has been put aside because of this.

Joe Leggio WB2HOL
att!valha1!jal


From -2876987228017124978
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c725a51e2b442aa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 10:21:54 PST
Path: gmdzi!unido!mcsun!uunet!samsung!think.com!snorkelwacker.mit.edu!bloom-
beacon!deccrl!news.crl.dec.com!shlump.nac.dec.com!brewer@ace.dec.com
From: brewer@ace.dec.com (John Brewer)
Newsgroups: rec.ham-radio
Subject: Re: Lithuania active on 21330,6
Message-ID: <18928@shlump.nac.dec.com>
Date: 14 Jan 91 12:34:42 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 14


In article <9101141225.AA02527@lut.fi>, Kauto.Huopio@lut.fi (Kauto Huopio OH5LFM)
writes...
>Just monitoring traffic between the parliament building at Lituathuania and
>USA on 21330,6. Please support the net as much as you can, they need our
>support..
>
>--Kaurouto OH5LFM

     Also note 14.260 and 14.155. Saturdays night local times' loggings
     were astounding on these freqs. LY1WW had a great signal from
     the parliment building, and was relaying info thru hams in the
     States, to sthe State Department.

     73/john wb5oau


From -674390065396186542
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95fe8d55acc0f948
```

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 10:51:38 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!rpi!masscomp!ocpt!
tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: ATV freqs vs Cable TV Channels
Keywords: RE-post Please
Message-ID: <1360@tsdiag.ccur.com>
Date: 14 Jan 91 14:37:40 GMT
References: <1983@raybed2.msd.ray.com>
Reply-To: davet@tsdiag.UUCP (Dave Tiller N2KAU)
Organization: CONCURRENT,Engineering Services,Oceanport NJ
Lines: 17

In article <1983@raybed2.msd.ray.com> ewb@raybed2.msd.ray.com (EUGENE BALINSKI)
writes:
```
-
-   Could the person who posted the list of ATV freqs vs. Cable TV channels
-please do so again.  Thank You
-                                                 Gene WA1UXA
```

60 = 439.25
59 = 433.25*
58 = 427.25
57 = 421.25

* = not available in current bandplan.

```
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

From -3686752047475325432
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a69f5190ce9bd710
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 10:51:57 PST
Path: gmdzi!unido!mcsun!uunet!samsung!think.com!masscomp!ocpt!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: How to find WB8ECC?
Message-ID: <1361@tsdiag.ccur.com>
Date: 14 Jan 91 14:49:25 GMT
References: <CMM.0.88.663531738.rdixon@magnus.ircc.ohio-state.edu>
Reply-To: davet@tsdiag.UUCP (Dave Tiller N2KAU)
Organization: CONCURRENT,Engineering Services,Oceanport NJ
Lines: 40

In article <CMM.0.88.663531738.rdixon@magnus.ircc.ohio-state.edu>
Bob_Dixon@osu.edu writes:

```
-I am the QSL manager for the 8E callsigns. I have about 100 cards for
-WB8ECC, and they are still coming in. He has never sent in any envelopes,
-but I would like to ask him to do so. But he has not been listed in
-recent callbooks.
-Is he a pirate?
-Is his license expired and he doesn't know it?
-Are the FCC files fouled up?
-Other possibilities?
-How can I find out if this call was ever issued, and to whom?
-From looking at the comments on the cards, I know his name is Jim,
-and he lives in St Mary's, W Va. He works 15 and 20 ssb and cw, and
-apparently ragchews, based on some of the lengthy notes written on the
-cards.
-Any help in finding this guy would be most appreciated.
-
-                                 Bob Dixon
-                                 W8ERD
```

How's this:

```
telnet marvin.cs.buffalo.edu 2000
Trying...
Connected to marvin.cs.buffalo.edu.
Escape character is '^]'.
Callbook v1.1  Bug reports to bowen@cs.buffalo.edu  Type 'help' for help
>> call wb8ecc
Call-Sign: WB8ECC                   Class: ADVANCED
Real Name: JAMES O GROVE            Birthday: JUL 1, 1948
Mailing Address: RT 1 BOX 154, BENS RUN, WV  26135
Station Address: ON COUNTY RD 7/2 2 MI E ARVILLA INT, BENS RUN, WV
Valid From: DEC 31, 1982            To: DEC 31, 1987
Records Last Processed: JAN 7, 1983
>> quit
Connection closed by foreign host.
```

```
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

From -5117710146447525326
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85d9209861665035
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 10:54:53 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: Is a passive reflector ever a "transmitter"?
Message-ID: <780@ssc.UUCP>
Date: 14 Jan 91 18:54:53 GMT
References: <1894@starfish.Convergent.COM> <1250329@hpnmdla.HP.COM>

<1991Jan12.220214.3135@n3dmc.svr.md.us>
Organization: SSC, Inc., Seattle, WA
Lines: 20

In article <1991Jan12.220214.3135@n3dmc.svr.md.us>, wa1lbp@n3dmc.svr.md.us (David Cowhig) writes:
| Rumor has it that the Soviets build a resonant cavity into the walls
| of the building that would reflect microwaves of a certain frequency
| (I think these are used for testing at airfields). The resonant cavity
| has a diaphragm which vibrated changing the resonant frequency of the
| cavity. People talking in the building would make the reflected signal
| shift in frequency -- frequency modulation.
| This passive bug required no power source so it couldn't be found by
| conventional methods. The Soviets could compare the input to the reflected
| signal and extract the intelligence from the signal.
| Supposedly the Soviets found the design for this device at the US Patent
| Office among the hundreds of thousands of patents which flow through there..
| So here is a case where a reflector was a true transmitter.

In "Spycatcher", a book about the career of an electronics expert
for British counterintelligence, Wright claimed this was the design
by a german captured by the soviets.

markz@ssc.uucp

From 7005558398835190692
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76489b0e31b4a973
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 11:16:55 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!think.com!mintaka!bloom-beacon!deccrl!news.crl.dec.com!shlump.nac.dec.com!koning.enet.dec.com
From: koning@koning.enet.dec.com (Paul Koning)
Newsgroups: rec.ham-radio
Subject: Re: Standard 12V DC Connectors
Message-ID: <18933@shlump.nac.dec.com>
Date: 14 Jan 91 15:20:40 GMT
References: <CMM.0.88.663862134.rdixon@magnus.ircc.ohio-state.edu>
Sender: newsdaemon@shlump.nac.dec.com
Reply-To: koning@koning.enet.dec.com
Organization: Digital Equipment Co., distributed systems architecture
Lines: 20
Posted: Mon Jan 14 09:20:40 1991

I've been trying to settle on a standard connector for my own use lately. At one time I used 2-pin Molex connectors (similar to the 3-pin ones that are standard for PC disk power connection). The main problem with those is that they are meant for internal equipment wiring and therefore have no strain relief at all.

Next I copied my father (PAoJKG) who uses 2-pin DIN plugs, which are used in Europe for speaker plugs. These are similar to the Cinch plugs but not interchangeable. The problem there (with the Cinch ones as well) is that you often end up with +12 exposed on the pins. The connectors are also fairly large for portable gear.

At this point I'm settling on the "coaxial" type plugs, as used in most portable consumer gear ("battery eliminators" etc.) with the + in the center. Those plugs are small, sturdy, and the +12 is almost completely shrouded by the plug. One minor hassle is that there are a number of different size plugs, but the 2.1mm center conductor size seems most common and works well.

paul, ni1d

From -3107321618213889053
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,528b764f2711a0a3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 12:06:07 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod!wuarchive!rice!uw-beaver!Teknowledge.COM!unix!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Homebrewing.
Message-ID: <1250332@hpnmdla.HP.COM>
Date: 14 Jan 91 20:06:07 GMT
References: <10.Jan.91.13:19:37.GMT.#9701@UK.AC.NWL.IA>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 9

In rec.ham-radio, allbery@NCoast.ORG (Brandon S. Allbery KB8JRR) writes:

>Must be nice to be able to use AM on 160... voice isn't allowed on it in the
>USA. (What's the FCC's rationale behind this, BTW?)

Sure, it's perfectly legal. In fact, there's quite a bit of AM on "top band" (one of the last bastians).

AL N1AL

From 7362187098926935025
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76489b0e31b4a973
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 12:31:37 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!julius.cs.uiuc.edu!apple!agate!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Standard 12V DC Connectors
Message-ID: <1250333@hpnmdla.HP.COM>

Date: 14 Jan 91 20:31:37 GMT
References: <CMM.0.88.663802576.rdixon@magnus.ircc.ohio-state.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 14

In rec.ham-radio, Bob_Dixon@osu.edu writes:

>Our local ARES group standardized on 2-pin Cinch-Jones connectors for
>12 VDC power about 20 years ago. These are available at Radio Shack, ham
>fests etc and are quite common. This was also publicized in QST several
>years ago. The small pin is the hot one, and of course the female connector
>is used for the power supply side...

The Drake UV-3 uses this connector for power supply. Of course, they
used the LARGE connector for +12V and the SMALL pin for ground.

Murphy's law, I guess.

AL N1AL

From -7031583140187178371
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e12f62a91cd8f874,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 12:34:11 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!uwm.edu!bionet!agate!ucbvax!
cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Resistance
Message-ID: <9101141413.AA25125@tilde>
Date: 14 Jan 91 14:13:24 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Mon Jan 14 08:13:24 1991

Old joke: (probably first heard by Hiram Maxim himself): Why do you call
your honey "Megohms"?   She offers lots of resistance!

73,
Dube   N5PDK

From -636807851955554325
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a69f5190ce9bd710
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 12:34:51 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!kline
From: kline@ux1.cso.uiuc.edu (Charley Kline)
Newsgroups: rec.ham-radio

Subject: Re: How to find WB8ECC?
Message-ID: <1991Jan14.160646.11943@ux1.cso.uiuc.edu>
Date: 14 Jan 91 16:06:46 GMT
References: <CMM.0.88.663531738.rdixon@magnus.ircc.ohio-state.edu>
<1361@tsdiag.ccur.com>
Organization: University of Illinois at Urbana
Lines: 16

davet@tsdiag.ccur.com (Dave Tiller N2KAU) writes:
>Callbook v1.1 Bug reports to bowen@cs.buffalo.edu Type 'help' for help
>Call-Sign: WB8ECC   Class: ADVANCED
>Real Name: JAMES O GROVE   Birthday: JUL 1, 1948
>Mailing Address: RT 1 BOX 154, BENS RUN, WV 26135

But the database in marvin hasn't been updated yet. In the 1991
callsign project tape (thanks Rusty!), there is no entry for a WB8ECC,
so I would guess he is either no longer a ham or is a Silent Key. I
suppose the address in the previous database would be as good a place
as any to start, though.

Charley Kline, KB9FFK, PP-ASEL   c-kline@uiuc.edu
University of Illinois Computing Services   Packet: kb9ffk@w9yh
1304 W. Springfield Ave, Urbana IL 61801   (217) 333-3339

From 2284051237081474846
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c776686eec52589,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 12:35:13 PST
Path: gmdzi!unido!mcsun!uunet!zaphod!uakari.primate.wisc.edu!dali.cs.montana.edu!
milton!uw-beaver!Teknowledge.COM!unix!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Re: Is a passive reflector a "transmitter?"
Message-ID: <1250334@hpnmdla.HP.COM>
Date: 14 Jan 91 20:35:13 GMT
References: <9101141543.AA29624@tilde>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 15

In rec.ham-radio, dube@cpdvax.csc.ti.com writes:

>Consider: Your automobile becomes a passive radiator when illuminated by
>police radar. Certain parts that are of the proper dimensions may radiate
>(re-radiate?) better than others. Is anyone working on a "stealth" car?

I forget where I read this (CB magazine I think), but the idea was to
fill your hubcaps with shredded aluminum foil to "foil" the radar.

I presume this is in analogy to the foil dropped from planes in WWII
to confuse enemy radar.

:-)

Al N1AL

```
From -4363180747910133024
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,570b765c2c7dc071,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 12:52:10 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Camcorder batteries to power HT?
Message-ID: <7880413@hpfcdc.HP.COM>
Date: 14 Jan 91 20:52:10 GMT
References: <1160@tekig7.MAP.TEK.COM>
Organization: HP Fort Collins, Co.
Lines: 7
```

> Anyone tried using camcorder batteries to power a handheld?

Sure... if you will allow that I power my camcorder (actually a camera and separate recorder) from a 2.5AH gel cell battery pack. Same pack works fine to run the HT. And the VCR tuner base has a built in charger that does a nice job on the gel cell (given a connection through a battery-shaped adapter).

```
From 3922117275067853 84
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c776686eec52589
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 12:55:13 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!usc!
julius.cs.uiuc.edu!rpi!uwm.edu!bionet!agate!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Re: Is a passive reflector a "transmitter?"
Message-ID: <9101141543.AA29624@tilde>
Date: 14 Jan 91 15:43:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
```

Consider: Your automobile becomes a passive radiator when illuminated by police radar. Certain parts that are of the proper dimensions may radiate (re-radiate?) better than others. Is anyone working on a "stealth" car?

:)

73,

Dube N5PDK

From 103260571717498614
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10beba,85a507cc90897702,start
X-Google-Attributes: gid10beba,public
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 12:56:10 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Summary: huh?
Message-ID: <771@ssc.UUCP>
Date: 13 Jan 91 00:30:01 GMT
References: <42229@ut-emx.uucp> <1991Jan8.172554.17706@athena.cs.uga.edu>
<1991Jan10.155826.8069@athena.cs.uga.edu>
Organization: very little
Lines: 27

In article <1991Jan10.155826.8069@athena.cs.uga.edu>, mcovingt@athena.cs.uga.edu
(Michael A. Covington) writes:
>
> What I meant by "fast CW snobbery" was the attitude -- very widely
> expressed in the no-code debate -- that "I can receive 20 wpm and that
> makes me a superior person and knowing how a radio works has nothing
> to do with it!!!" And there *are* plenty of people with that attitude,
> who think they "earn" ham privileges merely through fast code speed.
> You do not appear to be one of them, but they do exist.

HUH??!? I have been a ham now for over 25 years, and have NEVER run
into an individual who has expressed this attitude!

Where did you meet them? I doubt if it was on CW!

If it was on USENET, how about naming names?

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 3928116073889689853

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f91b80c94eb08852,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 12:56:33 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!infopiz!lupine!hansen!phil
From: phil@hansen.NCD.COM (Phil Graham)
Newsgroups: rec.ham-radio
Subject: 1.2 GHz repeater questions
Keywords: 1.2GHz repeater
Message-ID: <3350@lupine.NCD.COM>
Date: 14 Jan 91 20:56:33 GMT
Sender: news@NCD.COM
Reply-To: phil@hansen.NCD.COM (Phil Graham)
Lines: 24

I am thinking about putting up a 1.2GHz repeater. From other people who
own repeaters on this band I have some specific questions:

- What antenna do you use?

- What is you elevation of you system?

- What kind of coverage do you get?

- What do you use for the repeater radios?

- Do you use a Duplexer? What brand?

- What is the output power of the repeater?

- What type of feeline are you using and what is the length?

Thanks in advance repeater owners!

Phil
KJ6NN

From 8157352308842446025
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a0e2cb8092fbcf7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 12:57:07 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!samsung!noose.ecn.purdue.edu!
dynamo.ecn.purdue.edu!wb9omc
From: wb9omc@dynamo.ecn.purdue.edu (Duane P Mantick)
Newsgroups: rec.ham-radio
Subject: Callbook
Summary: need addresses
Keywords: HELP!!

Message-ID: <wb9omc.663870614@dynamo.ecn.purdue.edu>
Date: 14 Jan 91 16:30:14 GMT
Sender: news@noose.ecn.purdue.edu (USENET news)
Organization: Purdue University Engineering Computer Network
Lines: 18
Posted: Mon Jan 14 10:30:14 1991

Wonder if anybody would be willing to look up some addresses and e-mail them to me? My callbook is an '89 - and my online callbook server gives no help on these.

KG7IU, KB7LPR, KB7MEB, NL7TB, KB5KTY, AA5PP, KB7IYO, KC4NBC, KC4PBQ, N5PZP.

Also have two canadians I can't find, VE1REC and VE5BF.

Sure would appreciate the help on these. Some of them may not be good until the '91 callbooks, BTW.

73
Duane
WB9OMC

From 925072811511179199
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8163a0129de4dc0e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-14 12:57:25 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sol.ctr.columbia.edu!cica!bronze!silver!poorting
From: poorting@silver.ucs.indiana.edu (Robert Poortinga)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <1991Jan14.163315.4131@bronze.ucs.indiana.edu>
Date: 14 Jan 91 16:33:15 GMT
References: <139@decabo.enet.dec.com> <kNeJV4w163w@phoenix.com> <YETSKO.91Jan10083555@interlan.interlan.com>
Sender: news@bronze.ucs.indiana.edu (USENET News System)
Organization: Indiana University, Bloomington
Lines: 13
Xref: gmdzi rec.radio.shortwave:3521 rec.ham-radio:19333
Posted: Mon Jan 14 10:33:15 1991

Something that has not been mentioned to date is the fact that purchase data is very valuable to marketers. If they know that Joe Blow purchased a stereo at Radio Shack, RS can sell this info to record clubs, etc. This scenario is very common today and can be a significant source of income.

There was a very chilling episode of Nova a month or two back about the (ab)use of marketing databases. Some of the more sobering details involved the use of POS terminals with scanners linked with credit card data to generate purchasing history data about individuals. Makes you think a little bit the next time you start to whip out that plastic.

Bob Poortinga
(poorting@silver.ucs.indiana.edu)

From 3916015599606004902
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f62f2,f739a10b0efbe575,start
X-Google-Attributes: gidf62f2,public
X-Google-Thread: 10c9e3,e77bb3d7300ae6ef
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 13:00:26 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Subj: Re: An Outside Viewpoint
Summary: board swapping
Message-ID: <774@ssc.UUCP>
Date: 13 Jan 91 02:35:55 GMT
References: <9101072148.AA03148@tilde> <755@ssc.UUCP>
<1991Jan12.012318.25997@NCoast.ORG>
Organization: very little
Lines: 32

In article <1991Jan12.012318.25997@NCoast.ORG>, allbery@NCoast.ORG (Brandon S. Allbery KB8JRR) writes:
> As quoted from <755@ssc.UUCP> by tad@ssc.UUCP (Tad Cook):
> +---------------
> | This reminds me....I have heard that if some minor part on the motherboard
> | of your average clone computer fails (say a DIODE, which costs about 9 cents)
> | that NO ONE who you take your PC to for repair will ever replace the
> | diode. They always charge you for a NEW MOTHERBOARD, since a failure on
> | the motherboard is regarded as too complex, and they never attempt
> | component level troubleshooting on these things anyway.
> | Is this true?
> +---------------
>
> Usually, yes. But consider --- with the cost of labor on component-level
> repairs, is it cheaper to buy a new motherboard or to pay for 10 hours of
> labor to find one failed diode out of all the parts on the motherboard?

Yeah, I just figured that a competent tech could do it in 15 minutes. But maybe it takes that long just to open the machine and button it back up.

But I guess most of the folks at the clone shops are just into swapping sub-assemblies.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 6873842222868739502
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c35c,3334153c238cab3d
X-Google-Attributes: gid10c35c,public
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 13:00:26 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Summary: ???
Message-ID: <773@ssc.UUCP>
Date: 13 Jan 91 00:45:51 GMT
References: <42229@ut-emx.uucp> <1991Jan8.172554.17706@athena.cs.uga.edu>
<1991Jan10.232243.8753@NCoast.ORG>
Organization: very little
Lines: 35

In article <1991Jan10.232243.8753@NCoast.ORG>, allbery@NCoast.ORG (Brandon S.
Allbery KB8JRR) writes:
> As quoted from <657@chiton.ucsd.edu> by rec@chiton.ucsd.edu (Richard Currier):
>
> +---------------
> | the mode a break. CW OPs are the least elitest, most open minded group of hams
> | you will find. Don't take my word for it. Break out your key and give it a
try.
> +---------------
>
> ...except for the fact that they stick to their cliques down in the bottom
> 25kHz of the bands instead of circulating about the bands and maybe
> encouraging a few hams to, say, try homebrewing.

Huh? What planet are you on? :)   I work CW, and plenty of other modes.
Who are the folks in the cliques? Have you worked them on CW?

>
> When's the last time you did RTTY? Mine was last night. I can, by analogy to
> your argument, claim that you are an anti-RTTY elitist snob because I haven't
> heard you in the RTTY sub-bands. But I don't do so, because I don't think
> it's true. Unlike some people.

```
>

I work RTTY all the time.  And CW.  Seems to me you are making all this
up.



Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP


From 1128388132930772470
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ccd94040315cfee1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 13:03:28 PST
Path: gmdzi!unido!mcsun!uunet!samsung!noose.ecn.purdue.edu!dynamo.ecn.purdue.edu!
wb9omc
From: wb9omc@dynamo.ecn.purdue.edu (Duane P Mantick)
Newsgroups: rec.ham-radio
Subject: Re: Radio Shack Bashing
Message-ID: <wb9omc.663871294@dynamo.ecn.purdue.edu>
Date: 14 Jan 91 16:41:34 GMT
References: <1991Jan6.204033.19970@informix.com> <1250323@hpnmdla.HP.COM>
Sender: news@noose.ecn.purdue.edu (USENET news)
Organization: Purdue University Engineering Computer Network
Lines: 11

alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>One I have used in the past is:
>     Hiram Maxim
>     225 Main St.
>     Newington, CT 06111
>AL N1AL

Oh, I *love* it!  Got to remember that one!

Duane
WB9OMC


From -2113064819425351813
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8163a0129de4dc0e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
```

X-Google-ArrivalTime: 1991-01-14 13:03:36 PST
Path: gmdzi!unido!mcsun!uunet!samsung!noose.ecn.purdue.edu!dynamo.ecn.purdue.edu!
wb9omc
From: wb9omc@dynamo.ecn.purdue.edu (Duane P Mantick)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <wb9omc.663871490@dynamo.ecn.purdue.edu>
Date: 14 Jan 91 16:44:50 GMT
References: <139@decabo.enet.dec.com> <kNeJV4w163w@phoenix.com>
<YETSKO.91Jan10083555@interlan.interlan.com>
Sender: news@noose.ecn.purdue.edu (USENET news)
Organization: Purdue University Engineering Computer Network
Lines: 13
Xref: gmdzi rec.radio.shortwave:3522 rec.ham-radio:19337

yetsko@interlan.interlan.com (Mike Yetsko) writes:
>I spent 9 years with Tandy in various positions of lowlife, manager,
>regional offices, even in R&D. I can't tell you what CURRENT policy is
>but I can tell you what it has been in the past.
>Radio Shack policy is not to force individuals to give name and address.
>It is to be POLITELY REQUESTED, and if the customer refused, the sales
>person was SUPPOSED to write refused on the ticket. This obviously

Geez, half the time at the RS here in West Lafayette, they don't
even ASK. I don't mind, and I notice that I haven't gotten a RS sales
flyer in a couple of years. Do they even bother with them anymore?

Duane
WB9OMC

From -6562672072989952403
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cf5a8cb4b25ab17e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 13:16:41 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!elroy.jpl.nasa.gov!sdd.hp.com!
hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: standardizing 12 vdc power connectors in the ham shack & mobile
Message-ID: <7880414@hpfcdc.HP.COM>
Date: 14 Jan 91 21:16:41 GMT
References: <50428@sequent.UUCP>
Organization: HP Fort Collins, Co.
Lines: 34

> Well, it was obvious that what I needed was some "universal" connector
> that would work for 12 volts and allow me to connect any cable to any
> power supply.

Ditto, I had that same experience last summer. A nice side effect of
becoming a ham is that now I have a rational, consistent 12V power
connector scheme for all my related toys, many pre-existing. It took

about 30 connectors.

What kind? Well, one friend uses two-conductor half-polarized plugs like you describe. What's wrong with them is they are not dummy-proof. You can plug things in "backwards".

I settled on a Molex connector system identical to a different ham friend's. It uses six-conductor 2x3 Molex connectors available from RS and other places, with 0.093" pins. Why six pins? Then you can run four extra lines through any connector, in addition to power, such as speaker, mike, etc.

The connectors are fully polarized such that, once correctly wired, you CANNOT mis-connect them unless you build a weird toy, which is then to be used with caution. Of course, since they're not color coded or anything, you're well advised to stare at them carefully when wiring connectors. Usually I clone from an existing connector and ensure identical or symmetrical wiring.

Part of the process was to identify all items bearing connectors as "sources" or "sinks". The sources are power supplies, batteries, etc. They use female Molex connectors with female pins in the holes -- very safe. Sinks are current-eaters, with opposite polarity plugs and pins. Curiously, solar panels are sinks because they charge batteries.

The only gotcha is the nylon connectors sell for about $1.40 each.
Ouch.

From -8472853600074028150
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f6960ea9e786f3c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 13:31:12 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!csus.edu!ucdavis!ucbvax!bloom-beacon!vaxeline!bootsie!olson
From: olson@bootsie.uucp (Eric K. Olson)
Newsgroups: rec.ham-radio
Subject: Re: Next HAM-Fest in NC, SC, VA area??
Message-ID: <1991Jan14.213112.1078@bootsie.uucp>
Date: 14 Jan 91 21:31:12 GMT
References: <1991Jan13.011322.21995@ncsuvx.ncsu.edu>
Distribution: rec
Organization: Lexington Software Design, Lexington, MA
Lines: 16

In a recent article jumper@hobbes.ncsu.edu (Michael Lanham) writes:
>I do not subscribe to this news group so please e-mail all responses to this
>request for information. [Location of Hamfests in NC, SC, or VA]

On the other hand, if you know of a finger, email, BBS, or ftp way to obtain lists of upcoming HamFests, please post (and mail to the gentleman above)!

Thanks!

-Eric

--
Eric K. Olson, Editor, Prepare()   NOTE: olson@bootsie.uucp doesn't work
Lexington Software Design   Internet: olson@endor.harvard.edu
72A Lowell St., Lexington, MA 02173 Uucp: harvard!endor!olson
(617) 863-9624   Bitnet: OLSON@HARVARD

From -2115376869055112901
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8163a0129de4dc0e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107518,5b78f2aaadf284fc
X-Google-Attributes: gid107518,public
X-Google-ArrivalTime: 1991-01-14 13:59:17 PST
Path: gmdzi!unido!mcsun!ukc!acorn!agodwin
From: agodwin@acorn.co.uk (Adrian Godwin)
Newsgroups: rec.ham-radio,misc.consumers
Subject: Re: Radio Shack bashing
Message-ID: <4696@acorn.co.uk>
Date: 14 Jan 91 13:55:40 GMT
References: <1991Jan11.153316.27777@bronze.ucs.indiana.edu>
Organization: Acorn Computers Ltd, Cambridge, UK
Lines: 23
Xref: gmdzi rec.ham-radio:19338 misc.consumers:3347

In article <1991Jan11.153316.27777@bronze.ucs.indiana.edu>
commgrp@silver.ucs.indiana.edu (BACS Data Communications Group) writes:
>Radio Shack was soundly bashed on rec.humor about 2 years ago. Some
>excerpts:
>
>>>I'm looking for ways to gracefully/creatively avoid giving my name
>>>and address to a computer when paying cash at Radio Shack, Service
>>>Merchandise and other stores which request it for their junk-mail
>>>lists (which they sell to others, so you get a flood of the stuff).
>>>They tell you they need the information to protect your warranty,
>>>which is a lie.) It's damned annoying, a bad precedent, and I don't

Tandy / RS in the UK seems less aggressive than the US stores - I've
certainly never heard of them refusing cash !
However, they do tell the lie about warranties. Victims should note
that the _store_staff_ are liable for prosecution under the Data
Protection Act if they misrepresent the uses to which personal
information will be put.

-adrian

--

Adrian Godwin   (agodwin@acorn.co.uk)

From -300736685645953154
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7b3769612581306c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 13:59:41 PST
Path: gmdzi!unido!mcsun!uunet!samsung!rex!rouge!pc.usl.edu!jpd
From: jpd@pc.usl.edu (Dugal James P.)
Newsgroups: rec.ham-radio
Subject: Re: What rig is best for VHF/UHF Work?
Summary: FT736R is pretty good.
Message-ID: <22638@rouge.usl.edu>
Date: 14 Jan 91 17:24:47 GMT
References: <9101111816.AA19175@ucsd.edu>
Sender: anon@rouge.usl.edu
Organization: Univ. of Southwestern La., Lafayette
Lines: 49

In article <9101111816.AA19175@ucsd.edu> MROWEN@STLAWU.BITNET (Michael Owen W9IP/2) writes:

>Major drawbacks, from my point of view [of the FT736R]:
>   1. Adding relay-switched outboard preamps is a #1 MAJOR pain;
>   invest in NEC/GasFETS.

Or, get one switched by DC on the coax (Icom and Ampire make them, or add a choke in the preamp to pass the DC and block RF). But I read recently that in satelite mode, while transmitting, don't move the sat. mode knob or you risk a spike which could take out the GaSFET.

>   2. Band switching is awkward - to get from 2m to 6m you have
>   to go through 220 and 432

Yes, this is true.   You must press the band button up to three times instead of once.

>   3. You can't copy SSB while in the CW mode, even w/o the CW filter

Yes also. At least they did provide a narrow filter option as std. eq.

>   4. There is no provision for out-of-band RX.

I have seen a MARS mod, but I would expect poor out-of-band rx performance. This radio is not nearly as susceptible to intermod as the wide-band rigs, and I'm glad they made this trade-off.

>   5. I have been told that it's hard to connect to a TNC, but
>   ask someone who has tried.

Not true; it's easily done through the 'data' jack on the rear. Just don't believe the ads that claim this permits direct FSK! However, G3RUH has posted how to do direct FSK and tap into the discriminator for rcv. I just made the mods this weekend in preparation for running a G3RUH 9600 baud FSK modem.

> 6. Incredibly, there is no provision for A=B with the VFOs.

Yes, I really miss this.

You can easily determine xmit PL tones by clicking through the choices while listening for audio with pl-decode enabled. Also, the 1.2GHz module has built-in provisions for ATV.

73,
--
-- James Dugal,   N5KNX   Internet: jpd@usl.edu
Associate Director   Ham packet: n5knx@k5arh
Computing Center   US Mail: PO Box 42770 Lafayette, LA 70504
University of Southwestern LA.   Tel. 318-231-6417 U.S.A.

From 6808473583793109544
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d31ef7de89023198,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 14:00:12 PST
Path: gmdzi!unido!mcsun!uunet!samsung!spool2.mu.edu!uwm.edu!bionet!agate!ucbvax!XEROX.COM!Mike_Beezley.Houston
From: Mike_Beezley.Houston@XEROX.COM
Newsgroups: rec.ham-radio
Subject: RE: Ramsey Kits
Message-ID: <"14-Jan-91.11:19:00.CST".*.Mike_Beezley.Houston@Xerox.com>
Date: 14 Jan 91 17:19:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 48
Posted: Mon Jan 14 11:19:00 1991

Walter
Well, I got the 40M QP rig built this last weekend. Eveything went smoothly. Instructions were clear although I might have taken a different approach to putting the kit together if I just had a pile of parts and a schematic to wok from. They tried to set up landmarks on the PCB to aid in the location of the smaller components. This made it sometimes a bit of a squeeze to get small resisitors into some tiny areas. But all in all things went well. When it came time to fire it up is where I hit my first snag. I have a little Micronta PS at home that I run my HT with. I disconnected the barrel connector from my HT and plugged it into the power connecter on the transmitter. What I forgot to check was the polarity of the plug. The transmitter has a + tip,my plug had a - tip! Well the first component to complain was the electrolytic. It hissed and then spewed. Luckily I had a replacement in the junk box and I rewired my plug to satisfy the rig. I had no key so I used a screwdriver blade across the key connecter and ,oh joy, a tone sounded from the rx.

I guess what this all boils down to is double check _everything_!! Now all I have to do is wait for my novice band crystals to get in and I'll be burning up the airwaves with my 1 watt transmitter!

I have been very pleased with both my purchases from Ramsey. Earlier I had picked up their 2M amp at the Houston HamCom last fall. I have been very happy with it. One thing though, if you live in a metropolitan area or any area that is RF active you definitely need to pull the preamp transistor. It was overdriving my Yaesu FT727 something terrible. I followed the instructions in Ramsy's instruction sheet and it works like a champ. So as far I am concened they are batting 1000.

>> simple kits which encourage lots of experamentation. <<

Yeah this is something I would like to see more of too. But I guess this whets your appetite then you can go from building a kit to building projects from magazines to experimenting on your own.

>> I've had fairly good experience with Jan. <<

This is my first order with them and I must say I was surprised when she told me that it would be 2-3 weeks before I would get my order. I was under the impression they had bins of crystals made up already and it was merely a matter of taking one from bin A and one from bin B. Anyway, I am anxious to get them and get on the air. That ham friend of mine made his first CW contact this last weekend with a fellow from California ... running 100W! I'd love to show him what QRP can do with a couple of watts. But I'll probably need a beam before I make any contacts like that.

73 __mike
N5PWP@WA4EWV.TX

From -4973505948657946849
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea5c6ad8072235f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 14:28:43 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: DSP (and Kok's mistake)
Message-ID: <857@idacrd.UUCP>
Date: 14 Jan 91 16:20:06 GMT
References: <47974@apple.Apple.COM>
Organization: idacrd, princeton, nj
Lines: 76

From article <47974@apple.Apple.COM>, by kchen@Apple.COM (Kok Chen):
>
> Re: my opinion that a digital Hilbert transform is a pain in the
> behind,
>
> mac@idacrd.UUCP (Robert McGwier) writes:

>
>>On the other hand, IMHO, Hilbert transforms are absolutely trivial in DSP.
>>Here is a simple approximation to a Hilbert transform:
>>
>>take three consecutive samples x0,x1,x2
>>
>>x2-x0 is the filter
>
>
> This is like saying an analog second order high-pass filter using
> a 741 op-amp is a 90 degree phase shifter. It is - for a very
> narrow band of frequencies.
>
> So, before we mislead the folks not yet familiar with DSP that DSP
> can perform miracles like the above :-), shouldn't we point out that,
> for the generation of SSB, the equation you gave is just as useful
> as the second order analog filter built with inexpensive Radio
> Shack parts?
>
>
>>This will do a hilbert transform quite well in mid band.
>
>
> In fact, *precisely* as well as the el-cheapo analog filter. :-) :-)
>
> BTW, Bob, do the even coefficients of the Hilbert transform
> that popped out of the Parks package come out as zero? If not,
> the halfband approximation above will allow your Hilbert transforms
> to use only half as many active taps. I.e., half as many multiplications
> per data sample.

Now, that is more like it. I agree with everything you said with the single exception of the analog circuitry doing the Hilbert transform. Indeed, you are of course, absolutely correct about the narrowness of the frequency region where a 90 degree phase shift will occur with my simple example. I guess it is all a matter of opinion as to which is the easier, better approach. I find with analog circuitry that repeatability is always a problem that is mostly lacking in DSP designs.

No, the Parks McClellan does not generate a filter with every other tap zero if you ask it to do a Hilbert transform. You obviously have the Loncast algorithm down pat in that you use low pass filters, which it does a great job of designing, and then rotate them up and down to the appropriate positive and negative frequency to get a real filter. I also follow this approach. The filters are better.

The real point of my submission, is that with graphical interfaces, and the like on filter design programs, generating working code, very little has to be understood about the actual workings in order to do some DSP design. This leaves an unsatisfactory feeling of course, but it is a way hams have done design work in many areas for many years. In addition, I felt you were a little too harsh on DSP. Hams have very little room for truly innovative experimentation in radio anymore OUTSIDE of software. With integration producing FM, SSB receivers and transmitters, I believe that DSP will give back to amateur radio a way to innovate in signals work again. Hams are absolutely incredibly ingenious, and on that I am sure we can agree.

Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From 1122497627672144131
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38c4eaa8309c5b10
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 14:28:47 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: EQ for Microsats, DSP, etc.
Message-ID: <858@idacrd.UUCP>
Date: 14 Jan 91 16:27:24 GMT
References: <416@newt.sbi.com>
Organization: idacrd, princeton, nj
Lines: 38

From article <416@newt.sbi.com>, by jl@newt.sbi.com (Jean-Louis Ecochard):
> In article <851@idacrd.UUCP> mac@idacrd.UUCP (Robert McGwier) writes:
>>What do you mean? I was specifically referring to birds in the amateur
>>satellite service. If you mean television satellite and using an R7000
>
> The birds I am talking about are amateur satellite service and weather,
> not the TVRO. R7000 and discone for 136-145 is it possible ? Do I have
> to get a turnstile or helix antenna ?
>
>

I know of several folks who use omni antennas with the Microsats. Indeed, N5BF, held an AO-16 session the other day and commented that he managed to do everything he wanted to do on the bird (he is a command station) including loading bulletins, downloading messages, getting directories, but that he thought it was a little slower than usual. He then noticed, after the pass, that he was on his J-Pole. I will give this caveat, if you have 20 guys, all running 25 watts into directional (10 dB gain) antennas, trying to access the satellite, you are going to lose. If everyone would use omni's, all people would be able to get in, if they do the job correctly in installing the omni antennas. Jan King and I are both regularly using Discones to copy the birds. It appears to be a good antenna for this kind of reception. Jan reports he is able to get a copiable signal from the AO-13 beacon with it as well. I copy weather satellites with both omni and directional. While the signal to noise ratio improves with directional (less `snow' in the image) the omni DOES work. I encourage you to try. If you have an r7000 and discone, what can it hurt to try?

Bob

--
```
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From 3145492831231807836
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 15:00:26 PST
Path: gmdzi!unido!mcsun!uunet!bonnie.concordia.ca!news-server.csri.toronto.edu!utgpu!attcan!lsuc!atha!aupair.cs.athabascau.ca!rwa
From: rwa@cs.athabascau.ca (Ross Alexander)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <600@aupair.cs.athabascau.ca>
Date: 14 Jan 91 23:00:26 GMT
References: <19917.799.7009@canrem.uucp> <654@chiton.ucsd.edu> <1949@ke4zv.UUCP>
Organization: Athabasca University
Lines: 17

gary@ke4zv.UUCP (Gary Coffman) writes:
>always get through. :-) Canada has recently removed all subband
>restrictions at HF. I believe that the same will eventually happen

The word going around is to observe the IARU Region 2 bandplan. I know several ops who are continuing to observe the American bandplans "to be safe". The whole thing is still pending some clarification from DOC.

IMHO, bandplans per se are good things; I myself prefer voluntary rather than legislated ones. Do _you_ wait for the "Walk" signal at 3 am when nobody is around? There is some room for individual judgment, after all.

--
--

Ross Alexander   rwa@cs.athabascau.ca   (403) 675 6311   ve6pdq

From 2511022005326778214
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5280,6c40fc2b76302571,start
X-Google-Attributes: gidf5280,public
X-Google-ArrivalTime: 1991-01-14 15:29:27 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Summary: power on
Message-ID: <782@ssc.UUCP>
Date: 14 Jan 91 23:29:27 GMT
References: <19917.799.7009@canrem.uucp> <654@chiton.ucsd.edu>
<1057@catnip.berkeley.ca.us>
Organization: very little
Lines: 36

In article <1057@catnip.berkeley.ca.us>, bandy@catnip.berkeley.ca.us (Gun Control is Hitting Your Target) writes:
> rec@chiton.ucsd.edu (Richard Currier) writes:
> >Building
> >and understanding a few basic designs from available kits is a good start on
> >the road to homebrewing your own designs from scratch. In fact, a great place
> >to start is the keyer in the November issue of QST. This little unit looks so
> >nice I'm going to have to build one for myself.
>
> You're talking about the "CMOS Superkeyer II", no? I recently was looking
> through the Nov '89 issue of QST, which had a construction article for
> the "CMOS Superkeyer". One of its deficiencies noted in the article was
> how it, when powered-on, would sometimes come up generating dits [I believe],
> due to the fact that the logic would come up in a random state upon power-up.

There is no on-off switch, because the current draw is almost nil. When the batteries are inserted the first time, it comes up with an "OK" in Morse, but this is via the monitor speaker only, and is not transmitted at the keyer output.

>
> I thought to myself and ask you guys: "Haven't you ever heard of a power-on
> reset? A power-on reset has been a standard feature [um, one part of a
> chip, one capacitor and one resistor, if I remember correctly - cheap] in
> homebrew computer circuits since the mid 1970s.

Huh? It is only powered up when you change the batteries.

Tad Cook
Seattle, WA

Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 9075414121514372640
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6569e351a5eb59a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 15:36:29 PST
Path: gmdzi!unido!mcsun!uunet!zaphod!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Re: Cushcraft R5 vs. Butternut Vertical
Message-ID: <7880415@hpfcdc.HP.COM>
Date: 14 Jan 91 23:36:29 GMT
References: <3280@lupine.NCD.COM>
Organization: HP Fort Collins, Co.
Lines: 43

/ hpfcdc:rec.ham-radio / kenw@col.hp.com (Ken Wyatt) / 2:05 pm Jan 10, 1991 /
What's "tank coil tubing"?   How would you like to lay out some radials for me? The "soil" is decomposed granite! (Hi Hi).

Re: tank coil tubing

The stuff I have is about 1/8" o.d., with enough i.d. for at least #18 wire. Your mileage may vary. Almost any small-diameter copper tube will do. I found mine in some tank coil stock salvaged from an old amplifier.

The soil in Ft Collins is mostly clay, but all you really need to do is get the grass roots to grow over the radials and keep them from jumping into the lawn mower. Decomposed Granite, eh ? Yuk. You need a jack hammer, my friend. :)

Re: horizontal loop

I described this awhile back. For starters, look up the "Loop Skywire" in the ARRL Antenna Handbook. My application, which called for a "stealth" antenna (covenant problems), allowed 40 meters of #25 enameled copper to be strung up in an equilateral triangle at about 27', using the rooftop peaks as supports. I feed it with #16 600 ohm twinlead into a balanced tuner.

Since the feedline is the most visible part of the whole antenna, I may change that to use transparent 300 ohm twinlead. Anyone know how well the garden variety transparent stuff holds up under UV ? I've fed 100 watts into the transparent stuff, without any SWR funnies.

The wire broke on a windy day (no bungie cord), but I tied off the free end at 7' until spring. It still outperforms the Butternut on 40 meters (and presumably 80 meters as well).

I haven't started any fires, so #25 "stealth" wire seems empirically adequate for the 100 watt level. I suppose I could compute current densities on the surface of #25 vs #18, but that seems like too much work for a $5 antenna.

Perry / KF0CA

From -5338153442264662126
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,147263284118940
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 15:52:32 PST
Path: gmdzi!unido!mcsun!uunet!bonnie.concordia.ca!news-server.csri.toronto.edu!cs.utexas.edu!wuarchive!rice!uw-beaver!Teknowledge.COM!unix!hplabs!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: Exam Procedure
Message-ID: <1991Jan14.235232.27648@informix.com>
Date: 14 Jan 91 23:52:32 GMT
References: <D75AEB24D3BF201851@uncg.bitnet> <7500084@hpfcso.HP.COM>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 56

In article <7500084@hpfcso.HP.COM> jws@hpfcso.HP.COM (John Schmidt) writes:
>(No one has ever asked to take a harder written element after failing an
>easier one, though.)

I don't know what the official VEC policy is, but here's how they do it in Sunnyvale:

1. You pay a fee, (was $4.95) and you will out the Form 610 that they provide to you. If you are upgrading, you also need a photocopy of your current license, or a certificate from a previous testing session that proves that you passed one or more exam elements. You must also bring a pen and a pencil, and optionally a calculator. They discourage you from bringing anything else. ("Leave your HT in your car.") Form 610 asks if you wish to change your current call sign.

2. The written tests are first. You automatically receive the written tests that you have yet to pass in ascending order of difficulty. After you complete each test, they are graded. If you pass, you have the option of taking the next level of test. If you fail, you are NOT permitted to take any other written tests.

3. The code tests begin about one hour after the written tests begin. People may still work on written tests during the code tests, as the code is given in a separate room. The 20 wpm test is first, followed by 13 wpm and 5 wpm. They usually have several tests at each speed, so everyone who was working on written tests has a chance to take a code test. If you fail a code test, you may take the next slower test.

4. In the code testing room, you receive a pair of headphones. There is a 5-minute warm-up, followed by a series of V's, and then the actual test begins. After the test, you take a multiple choice exam with questions like:

What was the RST?	KK6MY DE	QTH is Canton ...
a. 599	a. W1AW	a. OH
b. 589	b. WA1W	b. GA
c. 578	c. W1AU	c. ON
d. 499	d. W2AU	d. WA

5. If you pass the code, you are called up to the front of the room, and they give you a certificate that indicates which elements you passed. If you hold a current valid license, you may use any new privileges immediately. If you do not, you will have to wait about 4 to 6 weeks for your license to come in the mail, and you may not operate until it arrives.

That's how Sunnyvale does it. You should call up your local VEC and ask about their procedure, as it may differ from this one.

--

=-=
Randall Rhea   Informix Software, Inc.
Senior Programmer/Analyst, MIS   uunet!pyramid!infmx!randall

From 2251880290693741812
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,528b764f2711a0a3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 15:55:55 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!samsung!zaphod!wuarchive!rice!uw-beaver!Teknowledge.COM!unix!hplabs!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: No phone on 160m? (was: homebrewing)
Message-ID: <1991Jan14.235555.27746@informix.com>
Date: 14 Jan 91 23:55:55 GMT
References: <10.Jan.91.13:19:37.GMT.#9701@UK.AC.NWL.IA>
<1991Jan12.015801.27509@NCoast.ORG>
Sender: news@informix.com (Usenet News)

Organization: Informix Software, Inc.
Lines: 14
Posted: Mon Jan 14 17:55:55 1991

In article <1991Jan12.015801.27509@NCoast.ORG> allbery@ncoast.ORG (Brandon S. Allbery KB8JRR) writes:
>
>Must be nice to be able to use AM on 160... voice isn't allowed on it in the
>USA. (What's the FCC's rationale behind this, BTW?)
>

I wasn't aware of this rule! I heard people on AM and SSB last night on 160m!

--

```
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                            Informix Software, Inc.
Senior Programmer/Analyst, MIS                     uunet!pyramid!infmx!randall
```

From 9173873927374469547
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1ce1ea0db689736a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 16:01:01 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!sdd.hp.com!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: Re: Novice loses privilege - ARRL response
Message-ID: <58130015@hpcupt1.cup.hp.com>
Date: 15 Jan 91 00:01:01 GMT
References: <1991Jan11.212029.6602@midway.uchicago.edu>
Organization: Hewlett Packard, Cupertino
Lines: 9

I don't understand the problem. Currently 1A is presumed with a Novice license, so passing 3A gets you a Tech license. Well, if a Novice upgrades after 2/14, why can't the VE accept the Novice license as proof of completion of 1A and issue the required CSCE?

Or am I missing some salient point?

73's, Jim, WA6SDM
holly@hpcupt1.cup.hp.com

From -7439409775967285839
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 16:03:54 PST

Path: gmdzi!unido!mcsun!uunet!midway!ncar!elroy.jpl.nasa.gov!swrinde!zaphod!wuarchive!rice!uw-beaver!Teknowledge.COM!unix!hplabs!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: "ricebox"
Message-ID: <1991Jan15.000354.27977@informix.com>
Date: 15 Jan 91 00:03:54 GMT
References: <819@wells.UUCP> <1991Jan12.042810.28007@informix.com> <48015@apple.Apple.COM>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 22

In article <48015@apple.Apple.COM> kchen@Apple.COM (Kok Chen) writes:
>randall@informix.com (Randall Rhea) writes:
>>>
>>They take offense because it's a racist remark.
>
>
>Before you lump everyone into the "they" column, some of "us"
>have a sense of humour too, you know. :-) I, for example, interpret
>that as a remark on the *products* and not the *people.*

"Ricebox" is intended to be a derogatory term aimed at a particular
nationality. This, to my mind, is "racism."   It doesn't offend me,
and I'm glad that as an Asian person, you're not offended either. (you're
not Japanese, though ...)   However, if I were Japanese, I certainly
would be offended. What if I called a product from Taiwan a "chink-box?"
Would you still have a "sense of humor?"

--

=-=
Randall Rhea   Informix Software, Inc.
Senior Programmer/Analyst, MIS   uunet!pyramid!infmx!randall

From -9034602440383217364
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a0e2cb8092fbcf7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 16:08:37 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!wuarchive!udel!masters
From: masters@freezer.it.udel.edu (paul masters)
Newsgroups: rec.ham-radio
Subject: Re: Callbook
Keywords: HELP!!
Message-ID: <41666@nigel.ee.udel.edu>
Date: 14 Jan 91 17:50:26 GMT
References: <wb9omc.663870614@dynamo.ecn.purdue.edu>
Sender: usenet@ee.udel.edu
Organization: University of Delaware -- ACIT Sun Lab
Lines: 11

Nntp-Posting-Host: toffee.it.udel.edu

Could some one out there give me the some call server names? I found
one, but it was only good through 1989. I have some QSLs to send out.

Paul

--
I will not waste chalk..I will not skateboard down the halls..I will not
burp in class..I will not instigate revolution..I will not draw naked ladies
.....I will not program brahms.udel.edu to murder itself....
Paul Masters N3IRU (The ham license arived 12/04/90)

From 7058801970249999315
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9db0794c573ac9f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 16:11:10 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod!wuarchive!rice!uw-beaver!
Teknowledge.COM!unix!hplabs!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: Ramsey kits
Message-ID: <1991Jan15.001110.28171@informix.com>
Date: 15 Jan 91 00:11:10 GMT
References: <"11-Jan-91..9:50:54.CST".*.Mike_Beezley.Houston@Xerox.com>
<155413.23505@timbuk.cray.com> <19570@hydra.gatech.EDU>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 19

In article <19570@hydra.gatech.EDU> qseclrb@prism.gatech.EDU (BOB BAGGERMAN)
writes:
>> > so....Where can one obtain these Ramsey kits?
>
>How about direct from Ramsey? The address is:
>
>Ramsey Electronics, Inc.
>793 Canning Parkway
>Victor, NY 14564
>716-924-4560

If you have a credit card, they will take direct orders. Call them
up at the above number.   They ship within 2 working days.

--

=-=
Randall Rhea   Informix Software, Inc.
Senior Programmer/Analyst, MIS   uunet!pyramid!infmx!randall

From 1710982514459223914
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,397a7c02013d174e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 18:36:46 PST
Path: gmdzi!unido!mcsun!uunet!bonnie.concordia.ca!news-server.csri.toronto.edu!cs.utexas.edu!hellgate.utah.edu!dog.ee.lbl.gov!nosc!crash!ipars!scotto
From: scotto@ipars.UUCP (Scott O'Connell)
Newsgroups: rec.ham-radio
Subject: Motorola Radius M214 (MaxTrak)
Summary: need info
Message-ID: <21@ipars.UUCP>
Date: 15 Jan 91 02:36:46 GMT
Reply-To: scotto@ipars.UUCP (Scott O'Connell)
Organization: Tamin Computer Services
Lines: 9

Does anyone have a 450-470 Radius M214 working in the 70cm band? I know of ways around the software programming with other Motorola radios, but have never owned/programmed a Radius.

I understand that due to marketing decisions the standard MaxTrak software sold by Motorola C&E doesn't program the Radius equivalent.

Suggestions? Comments?

From -8142337392113550534
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d9a0c373324875f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 19:46:26 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod!samsung!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Ham Radio Phone BBS List 1/91
Message-ID: <1070.27923913@w8grt.fidonet.org>
Date: 15 Jan 91 03:46:26 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 17

> From: TWB0@NS.CC.LEHIGH.EDU (Thomas W. Brown)
> Date: 15 Jan 91 00:16:03 GMT
> Organization: The Internet
> Message-ID: <9101150018.AA01885@ucsd.edu>
> Newsgroups: rec.ham-radio
>
> Ham Radio Phone BBS List 1/91
>

> 419-885-7043 QRV, UNO del Norte   ?   Sylvania, OH

Mine. Discontinued almost two years now.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -2118714863185458394
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,86ebe7f2a7a9733f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 19:48:48 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!rpi!uwm.edu!bionet!agate!ucbvax!itsictp.BITNET!zain
From: zain@itsictp.BITNET
Newsgroups: rec.ham-radio
Subject: Whatever happened to BADR-1?
Message-ID: <9101141855.AA00401@ictpsun5.ictp.trieste.it>
Date: 14 Jan 91 18:55:34 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6

I was wondering what was the fate of BADR-1, the amateur satellite launched by Pakistan in July of last year? Maybe someone can come up with a refresher on this satellite.

Zain, 9M2DX/N3FLX

From -1288779084441200644
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,753bd924b3b8b8c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 19:51:25 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!uwm.edu!bionet!agate!ucbvax!NADC.NADC.NAVY.MIL!rachiele
From: rachiele@NADC.NADC.NAVY.MIL
Newsgroups: rec.ham-radio
Subject: Cheap kit sources
Message-ID: <9101141903.AA02383@next0.looney>
Date: 14 Jan 91 19:03:31 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 38
Posted: Mon Jan 14 13:03:31 1991

>>From: timbuk!raphael!wws@uunet.uu.net (Walter Spector)
>>Subject: Ramsey kits

```
>>To: info-hams@ucsd.edu

>> > They make a variety of UHF/VHF kits, including transverters.  I
have

>>Speaking of kits, when I was at the 'Q'* the other day they had
some neat
>>little kits made by Ramsey Electronics for $25-$35 each.  Has
anyone tried
>>building these things?  They had a bunch of QRP transmitters,
keyers, and
>>receivers and people were buying them almost as fast as the guys
could
>>stock the
>>shelves!  (This was right before Xmas - mothers were probably
buying them
>>for their kids...)  I would have bought one but they were sold out
of the
>>ones I was interested in!

>>No DSP kits for 30 bucks though. :-(

>>Walt Spector
>>(wws@renaissance.cray.com)
>>Sunnyvale, California
>>_._ _._ _.... _. ._.

>>* = Quement Electronics (i.e., the Bascom Bandit) in San Jose.

Anyone got an address for Ramsey, and will they send me a catalog
if I write to them?
Or any other company that makes cheap kits like those described
above.
         Thanks.
          Jim, NE3X
           rachiele@nadc.nadc.navy.mil


From -6301084203533256402
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38537ebd0682f616,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 20:03:51 PST
Path: gmdzi!unido!mcsun!uunet!samsung!spool2.mu.edu!uwm.edu!bionet!agate!ucbvax!
UNCG.BITNET!MOSIER
From: MOSIER@UNCG.BITNET (Steve Mosier)
Newsgroups: rec.ham-radio
Subject: Greensboro, NC and Piedmont Triad
Message-ID: <D4D175F29DBF203202@uncg.bitnet>
Date: 14 Jan 91 18:45:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
```

Posted: Mon Jan 14 12:45:00 1991

We have an information net, THE 76 NET, which meets at 9pm Sundays on 146.76 (down 6) in Greensboro, NC. We're trying to be the "Ham Welcome Wagon" for the area as well as to focus on ham events and activities of interest. If anyone wants some ham news publicized in the Greensboro area, such as a hamfest within striking distance of Greensboro drivers, send me the news and I'll put it on the net.

73 de W3GRG - steve

From 8706877041417366965
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c776686eec52589
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 22:03:59 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!amc-gw!sumax!halcyon!myshkin
From: halcyon!myshkin@sumax.seattleu.edu (Peter Bruinsma)
Newsgroups: rec.ham-radio
Subject: Re: Is a passive reflector a "transmitter?"
Message-ID: <cDXsV1w164w@halcyon.uucp>
Date: 15 Jan 91 06:03:59 GMT
References: <9101141543.AA29624@tilde>
Organization: Microsoft
Lines: 19

dube@cpdvax.csc.ti.com writes:

> Consider: Your automobile becomes a passive radiator when illuminated by
> police radar. Certain parts that are of the proper dimensions may radiate
> (re-radiate?) better than others. Is anyone working on a "stealth" car?
>
> :)
>
> 73,
> Dube N5PDK

You can find their small add in the Computer Shopper. I think it
is something like $100 per gallon, but don't quote me on that one...

I simply never wash my car, works for me! (And if they clock me,
they still don't see me.)

Peter.

From 1352880055636926465
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b75226207eb8d30
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 22:25:19 PST

```
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: yes, I goofed re: 160m
Summary: 160?  30?
Message-ID: <783@ssc.UUCP>
Date: 15 Jan 91 06:25:19 GMT
References: <1991Jan13.224622.24753@NCoast.ORG>
Organization: very little
Lines: 24

In article <1991Jan13.224622.24753@NCoast.ORG>, allbery@NCoast.ORG (Brandon S.
Allbery KB8JRR) writes:
> Since it probably won't cancel before everyone reads it:  I posted an article
> questioning AM/SSB on 160m... looks like I'm having more trouble than I
> thought distinguishing colors on this chart.  (Yes, I've scheduled an eye
> exam.  This worries me a bit....)


I thought maybe he meant 30 meters instead of 160!

But wait.....you use one of those CHARTS for dispensing wisdom on
this net???

I take it all back!



Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP


From -5281598524808788085
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d5640da8fe5eb19
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 23:29:41 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!mips!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: What is a good rig for VHF/UHF?
Message-ID: <3092@wyse.wyse.com>
Date: 14 Jan 91 18:32:47 GMT
References: <9101112158.AA05989@cmr.ncsl.nist.gov>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
```

Lines: 18
Posted: Mon Jan 14 12:32:47 1991

In article <9101112158.AA05989@cmr.ncsl.nist.gov> rc@CMR.NCSL.NIST.GOV (Robert
Carpenter) writes:
>73, Bob W3OTC
>
>PS: I tried various bit combinations on the band-indicator bus, and find that
>the display will indicate all the bands from 160m through 450 MHz, including
>220. Either Yeasu was thinking big about more RF modules, or the display is
>common to a number of their rigs.
>B.

Bob,

Go look at the front panel of the FT767 HF rig...this ought to confirm
your suspicions ;-) In fact, the 767 can accomidate two external
modules just as the 736 can...oddly they only advertise it working
with the 2m and 440 modules.

Steve KA6S

From 2700074800709145399
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f3605967764b726,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 01:14:33 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucselx!bionet!agate!ucbvax!
NADC.NADC.NAVY.MIL!rachiele
From: rachiele@NADC.NADC.NAVY.MIL
Newsgroups: rec.ham-radio
Subject: Too many kinds of Techs (was Novice Loses Privileges???)
Message-ID: <9101142106.AA02424@next0.looney>
Date: 14 Jan 91 21:06:09 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16

>>But what will these four different kinds of Techs get if theirs is
>>eaten (or lost)?

>>1. Techs who got their license before Feb 14 1991.
>>2. Techs who got a codeless license after Feb 14 1991.
>>3. Techs in #2 who passed the code test afterwards.
>>4. Techs who upgraded after Feb 14 1991 from Novice.

Don't forget:
5. Techs who passed the entire 50 question element 3 before it
was split into 3a and 3b.

>>--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a

free society

Jim, NE3X

From 7499482835459365879
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6bee91c69cc3da34,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 03:30:55 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!bu.edu!m2c!umvlsi!umaecs!mariappa
From: mariappa@ecs.umass.edu
Newsgroups: rec.ham-radio
Subject: Info. for beginner
Message-ID: <12072.2792e7f0@ecs.umass.edu>
Date: 15 Jan 91 11:30:55 GMT
Lines: 12

Hi netters:
I am a beginner in ham-radio.
Could anyone post or e-mail to me about these clubs.
How do I become a member and get a license?
I am in Amherst, Massachusetts

Thanks

Jawaharlal
Univ. of Massachusetts

e-mail: Mariappa@ecs.umass.edu

From 4210790998037876374
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29b4a11527361cbc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-15 03:38:55 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!isi.edu!venera.isi.edu!onder
From: onder@ISI.EDU (Bruce Onder)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <16376@venera.isi.edu>
Date: 14 Jan 91 18:47:42 GMT
References: <1991Jan6.204033.19970@informix.com> <41aFV2w163w@phoenix.com>
<2413@risky.Convergent.COM> <881@wells.UUCP>
Sender: news@isi.edu
Organization: USC-ISI
Lines: 29
Xref: gmdzi rec.radio.shortwave:3538 rec.ham-radio:19350
In-reply-to: k3tx@wells.UUCP's message of 12 Jan 91 04:35:04 GMT

In article <881@wells.UUCP> k3tx@wells.UUCP (Dave Heller) writes:
>
>> This same sort of thing also applies to establishments that refuse currency
>> denominations greater than $20, I believe. The wording on all currency
>> states that it is "legal tender for all debts, public and private".
>
>Nothing to do with R//Shack, but:
>a year or so ago I was in a branch office of a rather
>major concern and saw a sign on the counter:
>"We cannot accept $100 bills"
>This outfit went by the name U.S.Post 0ffice,
>Conshohocken PA and preferred to be known as 19428.
>Couldn't get a decent answer from clerk,
>and wasn't quite sure I wanted to know why.
>But fortunately I was able to complete my purchase
>with 50s and 20s so everyone was happy.

Usually, they will still conduct the transaction. Signs tend to be
little more than deterrent theory in action.

The reason is fairly obvious: The more $100 bills a business has to
take in, the less change they are likely to have on hand for customers
who pay with $20s and $10s.

Brewster
--
Bruce W. Onder   onder@isi.edu

"Welcome to hell -- here's your accordion."

From -4820459886934422939
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55eecd0f4f389627,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 21:25:43 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!uwm.edu!bionet!agate!ucbvax!
lynx.northeastern.edu!sehrlich
From: sehrlich@lynx.northeastern.edu
Newsgroups: rec.ham-radio
Subject: Hts
Message-ID: <memo.680148@lynx.northeastern.edu>
Date: 16 Jan 91 05:25:43 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Tue Jan 15 23:25:43 1991

Hello, again. In a couple of months, if I can afford it, I am going to
try and purchase the Yaesu FT-470. To aid my purchase, could the readers
of this journal please send me directly their opinions of this model.
And, could you also please send me whatever mods you know of for this

model.

Thank you very much in advance.

Please e-mail to: sehrlich@lynx.northeastern.edu

73s de KA1WNU
(Scott Ehrlich)

From 5725222712888781143
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,86e117544a2696cd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 21:40:37 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Radio Shack QUESTION
Message-ID: <1075.27938A2E@w8grt.fidonet.org>
Date: 16 Jan 91 05:40:37 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 16

> From: edw@sequent.UUCP (Ed Wright)
> Date: 15 Jan 91 19:59:34 GMT
> Organization: Orygun Society For HUman Rustabillity Assessment
> Message-ID: <50622@sequent.UUCP>
> Newsgroups: rec.radio.shortwave
>
> RS knew about what, and how to market long before TRS-* computers !

I loved that RS slogan: "If you want to catch a mouse, make a noise like cheese!"

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 647036484714699238
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,143f703071adce2f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 21:41:52 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1076.27938A31@w8grt.fidonet.org>
Date: 16 Jan 91 05:41:52 GMT

Organization: QRV de W8GRT, Sylvania, OH
Lines: 22

> From: johnd@tsdiag.ccur.com (John Decatur KA2QHD)
> Date: 15 Jan 91 15:56:13 GMT
> Organization: CONCURRENT,ENG. SERVICES,OCEANPORT NJ
> Message-ID: <1372@tsdiag.ccur.com>
> Newsgroups: rec.ham-radio
>
> In article <7880409@hpfcdc.HP.COM>, perry@hpfcdc.HP.COM (Perry Scott)
> writes:
> > Try a discone. Broadbanded. Available even at Radio Shock.
> > Perry / KF0CA
> Ah yes Available but modified for max profit I assume. WARNING no
> vertical
> element!

Since when do true discones have a vertical element? If RS' discone has a
vertical element, it must be some short of mongrel kludge.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -3986745753034327954
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,531f3fc66205eb09,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 22:56:56 PST
Path: gmdzi!unido!mcsun!uunet!zaphod!usc!apple!agate!ucbvax!MCTGATE.MCT.ANL.GOV!
Loren_Thompson
From: Loren_Thompson@MCTGATE.MCT.ANL.GOV (Loren Thompson)
Newsgroups: rec.ham-radio
Subject: <Concierge NOTICE>
Message-ID: <9101151231.AA06053@ucsd.edu>
Date: 15 Jan 91 14:33:47 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9

From CONCIERGE   <Concierge NOTICE>
Your mail in reference to "Info-Hams Digest V91 #67" has been received.
  [ ] I am on Vacation.
  [ ] I have Moved.
  [X] I am Away.
I will read your mail when I return.

not availible to reply to mail today

From 704387783224087629
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,531f3fc66205eb09
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 22:56:59 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!zaphod!usc!apple!agate!ucbvax!MCTGATE.MCT.ANL.GOV!Loren_Thompson
From: Loren_Thompson@MCTGATE.MCT.ANL.GOV (Loren Thompson)
Newsgroups: rec.ham-radio
Subject: <Concierge NOTICE>
Message-ID: <9101151231.AA06082@ucsd.edu>
Date: 15 Jan 91 14:33:46 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Tue Jan 15 08:33:46 1991

```
From CONCIERGE                <Concierge NOTICE>
Your mail in reference to "Info-Hams Digest V91 #66" has been  received.
  [ ]  I am on Vacation.
  [ ]  I have Moved.
  [X]  I am Away.
I will read your mail when I return.


not availible to reply to mail today
```

From -2225063430780478919
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,531f3fc66205eb09
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 22:57:01 PST
Path: gmdzi!unido!mcsun!uunet!zaphod!usc!apple!agate!ucbvax!MCTGATE.MCT.ANL.GOV!Loren_Thompson
From: Loren_Thompson@MCTGATE.MCT.ANL.GOV (Loren Thompson)
Newsgroups: rec.ham-radio
Subject: <Concierge NOTICE>
Message-ID: <9101151231.AA06111@ucsd.edu>
Date: 15 Jan 91 14:33:45 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9

```
From CONCIERGE                <Concierge NOTICE>
Your mail in reference to "Info-Hams Digest V91 #65" has been  received.
  [ ]  I am on Vacation.
  [ ]  I have Moved.
  [X]  I am Away.
I will read your mail when I return.
```

not availible to reply to mail today

From -7721752829398144205
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 23:15:52 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!bloom-picayune.mit.edu!athena.mit.edu!jewell
From: jewell@athena.mit.edu (Darrin B Jewell)
Newsgroups: rec.ham-radio
Subject: Re: FM on HF (was: re: homebrewing)
Message-ID: <JEWELL.91Jan15081837@m66-080-19.mit.edu>
Date: 15 Jan 91 13:18:37 GMT
References: <19917.799.7009@canrem.uucp> <654@chiton.ucsd.edu>
     <1949@ke4zv.UUCP> <1991Jan14.213223.8780@ux1.cso.uiuc.edu>
     <17186@csli.Stanford.EDU>
Sender: news@athena.mit.edu (News system)
Organization: Massachusetts Institute of Technology
Lines: 13
In-Reply-To: kawai@csli.Stanford.EDU's message of 15 Jan 91 02:12:31 GMT

doesn't FM take up a lot more bandwidth?...we are much more limited in bandwidth on lower frequencies. Also, it was recently explained to me that there is much man-made fm interference below 30mhz...

```
--
Darrin Jewell ----------jewell@athena.mit.edu-----------------KA2ZLZ------
4 Ames Street | Massassachusetts Insttute of Technology | Darrin B. Jewell
Cambridge MA  |       Senior House -- Runkle 304        | 8 Thomaston Lane
USA    02139  |                                         | Orchard Park, NY
(617)225-6771 |    What's the baud rate of a postman    | USA   14127-2526
(617)225-6624 |             carrying a CD-ROM?          | (716) 662-9440
```

From 3953951935278833795
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e63171c2a2a42029,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 23:16:15 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!samsung!zaphod!swrinde!ucsd!ucbvax!STLAWU.BITNET!MROWEN
From: MROWEN@STLAWU.BITNET (Michael Owen)
Newsgroups: rec.ham-radio
Subject: What's the best rig for VHF/UHF?
Message-ID: <9101151320.AA10286@ucsd.edu>
Date: 15 Jan 91 12:14:07 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: SAINT LAWRENCE UNIVERSITY
Lines: 12

Posted: Tue Jan 15 06:14:07 1991

Preamps can indeed be switched via DC on their "output" port. However, you must be careful. Most RF relays are just too slow to get the preamp out of the way before TX RF gets there. This was the root of my comment about investing in GaAsFETs - I found out about slow relays the hard/expensive way. In the end, I opted to key a sequencer that keys the preamps then, later, keys the rig. Gotta keep that hand microphone locked up because it keys the '736 directly, eating a GaAsFET every time. T/R switching in the '736 is FAST.

By the way, I don't use PIN diodes for preamp in/out because I often run lotsa watts, and PIN diodes are lossier than relays at VHF/UHF.

From 1476238081390971329
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,531f3fc66205eb09
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 23:39:56 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!ucsd!ucbvax!MCTGATE.MCT.ANL.GOV!Loren_Thompson
From: Loren_Thompson@MCTGATE.MCT.ANL.GOV (Loren Thompson)
Newsgroups: rec.ham-radio
Subject: <Concierge NOTICE>
Message-ID: <9101151342.AA12189@ucsd.edu>
Date: 15 Jan 91 15:44:46 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9

```
From CONCIERGE                <Concierge NOTICE>
Your mail in reference to "Info-Hams Digest V91 #68" has been  received.
  [ ]  I am on Vacation.
  [ ]  I have Moved.
  [X]  I am Away.
I will read your mail when I return.
```

not availible to reply to mail today

From -2288565833348787338
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b85d3bb888ed9bb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 23:52:04 PST
Path: gmdzi!unido!mcsun!uunet!zaphod!usc!apple!agate!ucbvax!DGC.ceo.dg.com!Pete_Simpson
From: Pete_Simpson@DGC.ceo.dg.com
Newsgroups: rec.ham-radio
Subject: SM-220 Monitor Scope -- bought!

Message-ID: <9101151351.AG00041@rtp40.dg.com>
Date: 15 Jan 91 13:51:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17

I got it Friday. Think I paid too much for it, though. After looking it over (had to open it to tighten some connectors), there's about $250 worth of electronics in there...one low density analog ckt board with all the scope stuff on it and a small metal box which is the add-on BS-8 panadaptor. The $450 + $120 that AES asks for the pair is exhorbitant (IMHO).
I'm happy that I bought it, though. The BS-8 works well, although it does drift quite a bit as it warms up for the first 10 minutes. It's a simple unit and the display is a bit small. Not high-tech at all and I think, for the price that's asked, a bit below Kenwood's standards.
My thanks to those who sent comments on units they owned, especially to Bob Parnass for his article (I also own an R-7000). I'm glad to say that the information you all sent helped me to know what I was buying & to decide that I really wanted it. Thanks & 73 to all,
Pete
KA1AXY

From 7220069951266588197
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ba2df90d9b69d546,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-15 23:58:51 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!aero!obrien
From: obrien@aero.org (Mike O'Brien)
Newsgroups: rec.ham-radio
Subject: OUTBACKER HELP!
Message-ID: <97239@aerospace.AERO.ORG>
Date: 16 Jan 91 07:58:51 GMT
Sender: news@aerospace.aero.org
Organization: The Aerospace Corporation, El Segundo, CA
Lines: 15
Originator: obrien@anpiel.aero.org

Sometime back, someone posted a method of fitting an Outbacker with a long tuning stub instead of a short one, and getting resonance by plugging the loading line into the socket for a different band than the one you were trying to tune to. The long stub reportedly came from a Comet antenna or something.

Now Steve Roberts, of Winnebiko fame, wants to get the reported 3dB gain that this modification affords, but the article's long gone.

Please, please, Steve and I would like to hear about this! Please, whoever came up with that idea, email me the details!

--
--
Mike O'Brien
obrien@aerospace.aero.org

From 2324191692422844680
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,147263284118940
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 00:34:05 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod!swrinde!ucsd!ucbvax!bloom-beacon!deccrl!news.crl.dec.com!shlump.nac.dec.com!esis.enet.dec.com!magid
From: magid@esis.enet.dec.com (Joel Magid...)
Newsgroups: rec.ham-radio
Subject: Re: Exam Procedure
Message-ID: <18992@shlump.nac.dec.com>
Date: 15 Jan 91 14:10:05 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 7

In article <1991Jan14.235232.27648@informix.com>, randall@informix.com (Randall Rhea) writes...

> Do they give the 5,13,and 20 WPM code exams as multiple choice ?

> This should make for a lively debate here.

From 5689653857437007330
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9db0794c573ac9f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 00:34:56 PST
Path: gmdzi!unido!mcsun!uunet!zaphod!rpi!crdgw1!trub!perley
From: perley@trub.crd.ge.com (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: Ramsey kits
Message-ID: <15692@crdgw1.crd.ge.com>
Date: 15 Jan 91 14:38:28 GMT
References: <NELSON.91Jan8160136@sun.soe.clarkson.edu> <10076@pasteur.Berkeley.EDU> <142708.22800@timbuk.cray.com> <1991Jan12.052426.29007@informix.com>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@trub.crd.ge.com (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 20

In article <1991Jan12.052426.29007@informix.com> randall@informix.com (Randall Rhea) writes:

>In article <142708.22800@timbuk.cray.com> wws@raphael.cray.com (Walter Spector) writes:

>Yeah, I bought the 2 meter HT amplifier for $20.00. I thought that it
>would be such a deal ... 2 watts in and 25 watts out. Ah, but there's
>a catch. You also needed the RF-Operated T/R switch, which of course
>the "Q" was out of stock on. I didn't find out about that until after I
>bought it an opened the package. I also wonder what I'm going to do for a
>heat sink ...

Well, they are up front in their magazine ads that the T/R relay comes separately.

I recently bought one of their pre-wired amps (used). It uses diode switching (maybe with a stub as mentioned by another poster) rather than a relay.

-don perley - ke2tp
--
perley@trub.crd.ge.com

From 3293899751318758349
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f1b1ff226e91f28d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 01:34:45 PST
Path: gmdzi!unido!mcsun!uunet!samsung!rex!uflorida!mlb.semi.harris.com!soleil!helix!gopstein
From: gopstein@helix.squibb.com (Rich Gopstein)
Newsgroups: rec.ham-radio
Subject: FT736 2m RX mod!
Message-ID: <1133@soleil.UUCP>
Date: 15 Jan 91 15:17:09 GMT
Sender: news@soleil.UUCP
Reply-To: gopstein@helix.squibb.com (Rich Gopstein)
Organization: Bristol-Myers Squibb PRI, Lawrenceville, NJ
Lines: 37

I found this on Compuserve. I tried it on my FT736, and it works! I wonder what the other diodes do? Does anyone have a service manual for the FT736?

Fm: Chuck Scott N8DNX 76556,3335

You can modify the 2 Meter section for 141-154 MHZ by adding D27 (not installed in USA version). This is normally soldered to the board but you can easily install it by simply shoving the leads into the connector. The 2 Meter section is the middle board looking into the radio from the top. The connector (J09) is the large one on the right side of the board, half way back. You want the cathode (striped end) of a small signal diode in pin 7 and the anode in pin 4. Pin 1 is toward the front of the radio.

To receive over a slightly wider range, place the SAT switch in RX mode, press ENT[D] then enter a desired frequency and press ENT[D] again. You can enter any frequency from 100 to 200 MHz this way. Unfortunately, the synthesizer does not actually cover that range. As far as I can tell the bottom end is about 138.5 (not quite the 136.5 needed for the weather sats). The top end is about 155.6. You can't perform this stunt with the normal (non-satellite) VFO's. Also, once a frequency is entered in this way, it is possible to tune toward the normal range but tuning away will place you back in the 141-154 range. Using the same method yields aprox 220.0-229.5 & 423.0-454. You may store these frequencies in the SAT Memories.

Chuck

--
Rich Gopstein

gopstein@squibb.com
rutgers!squibb.com!gopstein

From -4517631912738733444
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76489b0e31b4a973
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 03:27:11 PST
Path: gmdzi!unido!mcsun!uunet!zaphod!usc!apple!agate!ucbvax!XEROX.COM!McAfee.El_Segundo
From: McAfee.El_Segundo@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Standard 12V DC Connectors
Message-ID: <"15-Jan-91..7:59:50.PST".*.PMcAfee.El_Segundo@Xerox.com>
Date: 15 Jan 91 15:59:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5

It is fast becoming obvious that everyone has a "standard" 12 vdc connector. So, repeating something I have heard before "standards are great, everyone should have one" :=)
Pete

From 8577427967001511362
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f4f5c26c7e724f5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 03:28:20 PST

Path: gmdzi!unido!mcsun!uunet!zaphod!rpi!masscomp!ocpt!tsdiag!johnd
From: johnd@tsdiag.ccur.com (John Decatur KA2QHD)
Newsgroups: rec.ham-radio
Subject: Re: ARRL news
Summary: RS Does it again!
Message-ID: <1372@tsdiag.ccur.com>
Date: 15 Jan 91 15:56:13 GMT
References: <1991Jan7.223343.1@acad2.anc.alaska.edu> <7880409@hpfcdc.HP.COM>
Organization: CONCURRENT,ENG. SERVICES,OCEANPORT NJ
Lines: 21

In article <7880409@hpfcdc.HP.COM>, perry@hpfcdc.HP.COM (Perry Scott) writes:
> Try a discone. Broadbanded. Available even at Radio Shock.
> Perry / KF0CA

Ah yes Available but modified for max profit I assume. WARNING no vertical
element! No thanks, I prefer the entire antenna!
I bought the one from Heath (Icoms has an N connector i believe)
They are all versions of the diamond discone, so, might as well
buy it from them, instead of a 3rd party. Mine even came with 50ft of coax!

Don't get me started, Im trying to figgure out how to restore the recording
jack on the dx-440 that RS decided i didnt need so they could make .10 more
per unit. I wish they wouldnt do it, we'd probably gladly pay the .10.
Ofcourse this is purely an opinion, your thoughts may vary... 8-)

73 de johnd

--
US MAIL: John Decatur   Concurrent Computer Corp.
FAX: 201-870-5952   2 Crescent Pl. Oceanport NJ 07757   Ph 908-870-4093
UUCP: rutgers!ka2qhd!johnd   or   johnd@tsdiag.ccur.com   KA2QHD
Quote: "DA DA DIT DIT DIT , DIT DIT DIT DA DA"   PACKET: KA2QHD@NN2Z

From 1466108174186816818
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,391deece80d2c61c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,391deece80d2c61c,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,391deece80d2c61c,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1991-01-16 04:11:46 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!bgsuvax!fuller
From: fuller@bgsuvax.UUCP (A.J. Fuller)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap
Subject: A plea for software info
Message-ID: <6830@bgsuvax.UUCP>
Date: 15 Jan 91 16:23:30 GMT
Reply-To: fuller@bgsuvax.UUCP (A.J. Fuller)
Followup-To: rec.ham-radio
Organization: Bowling Green State Univ, Bowling Green, OH
Lines: 35

Xref: gmdzi rec.ham-radio:19403 rec.ham-radio.packet:3410 rec.ham-radio.swap:913

Let me preface this by saying that I have absolutely NO experience whatsoever in the HAM radio arena other than a degree of facination and occasionally listening in as several of my friends enjoyed their radios.

Having said that, I know that HAMs tend to be very friendly and helpful folks, so I will throw my question (request?) at you in the hope that perhaps you can point me in the right direction or offer some suggestions. Thanks, and be kind to my mistakes!

Now, to the issue at hand. I have a friend who is heavily into HAM and is searching for some software for the Amiga 1000 that would allow him to use it with his radio (at this time I can't recall exactly what that make and model of his radio is... nuts ... well at least I know that it has the necessary port on it and mentions that ability to make such a connection in the manuals) for RTTY or any of a number of other things he mentioned that I didn't quite follow.

I realize this request is sketchy, but if anyone out there in net.land knows of any such software, of perhaps an FTP site where something like this might exist, or even any tips or pointers on how one might go about writing such software, I would be most thankful! If possible, reply by e-mail to the address below, as I don't generally read this newsgroup.

Thanks!
A.J. Fuller

```
---------------------------------------------------------------------------
 A.J. Fuller             | CS-Net :     fuller%andy.bgsu.edu@relay.cs.net
 Duru Technologies       | UUCP   :     ...!cbosgd!osu-cis!bgsuvax!fuller
 580 Sandridge Rd.       | BITNET :     fuller@bgsuopie
 Bowling Green, Oh 43402 | ------------------ DISCLAIMER ------------------
-------------------------| The thoughts and opinions expressed in the above
  HOME OF THE ORIGINAL   | do in fact represent those of the management and
 INFINITE IMPROBABILITY  |       staff of Duru Technologies, honest!
---------------------------------------------------------------------------
```

From 327467165127635415
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1e6e5d2f1b616d01,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 04:36:15 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!STLAWU.BITNET!MROWEN
From: MROWEN@STLAWU.BITNET (Mike Owen W9IP)
Newsgroups: rec.ham-radio
Subject: Grid squares
Message-ID: <9101161339.AA17544@ucsd.edu>
Date: 16 Jan 91 12:36:15 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: SAINT LAWRENCE UNIVERSITY
Lines: 13

In a recent posting, Randy Hall asked about his grid square. Randy, 39.2167 N, 121.1333 W works out to grid CM99KF. In the contests, as well as day-to-day exchanges, only the first four characters are used; everyone will expect CM99 from you.

Have fun in the contest!

P.S. How did you get your lat/lon down to the 4th decimal? No map that I have permits that sort of precision :}

Mike Owen

From -6023785571787197458
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca85e290ddd3481e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 101607,ca85e290ddd3481e,start
X-Google-Attributes: gid101607,public
X-Google-ArrivalTime: 1991-01-16 04:45:44 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!rutgers!caip.rutgers.edu!froncio
From: froncio@caip.rutgers.edu (Andy Froncioni)
Newsgroups: rec.ham-radio,rec.models.rc
Subject: Telemetry
Message-ID: <Jan.15.11.26.54.1991.15695@caip.rutgers.edu>
Date: 15 Jan 91 16:26:56 GMT
Followup-To: rec.ham-radio
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 41
Xref: gmdzi rec.ham-radio:19406 rec.models.rc:1424

Hi folks,

I'm not entirely sure if this subject will be well received on these newsgroups, but I have a feeling there are alot of knowledgeable people out there ...

I am interested in doing telemetry from a moving go-kart (it's not a go-kart, really, it's a race-kart) to a personal computer. I would like to do real-time data acquisition of rpm and engine temperature information at a rate of up to 10 readings per second. The error in of the transmitted readings should be 1% or less (say, 7 or 8bits). The results will be displayed on the computer screen in the form of graphics gauges and bars.

An important design consideration is that the kart itself needs a very light transmitter and associated electronics that can run off of a light battery pack. The transmission distance should be up to a mile or so. Ah, yes - one more thing: this will be used in Canada where the airwave traffic is considerably less than here in the US.

My questions are many and varied:

- What (legal) frequencies are available to me unlicensed?

- What (legal) frequencies are available to me licensed?

- Should the digital encryption be done on the transmitter side or should the transmission be sent as analogue data and digitized at the receiver? ASCII? PCM? FM? SSB? ???

- Has anyone out there ever done anything similar to this?

Thank you in advance,

Andy

Andy Froncioni CAIP Center Parallel Computing Lab
froncio@caip.rutgers.edu Rutgers University, Piscataway, NJ

From -5566852567616249054
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f8abf64c73f26a59,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 04:47:14 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!elroy.jpl.nasa.gov!mahendo!wlbr!lonex.radc.af.mil!popyackl
From: popyackl@lonex.radc.af.mil (Leonard J. Popyack)
Newsgroups: rec.ham-radio
Subject: Need Tx Mods for IC-24AT
Message-ID: <1991Jan16.124714.27142@lonex.radc.af.mil>
Date: 16 Jan 91 12:47:14 GMT
Sender: popyackl@lonex.radc.af.mil (Leonard J. Popyack)
Organization: RL
Lines: 2

The subject line says it all. Any TX mods out there? 73 Len WF2V

From 2174242861944646107
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f91b80c94eb08852
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 05:18:11 PST
Path: gmdzi!unido!mcsun!uunet!zaphod!pacific.mps.ohio-state.edu!linac!carlson
From: carlson@linac.fnal.gov (Kermit Carlson)
Newsgroups: rec.ham-radio
Subject: Re: 1.2 GHz repeater questions

Keywords: 1.2GHz repeater
Message-ID: <&{Y?~@linac.fnal.gov>
Date: 15 Jan 91 17:05:45 GMT
References: <3350@lupine.NCD.COM>
Organization: Fermilab, Batavia, IL
Lines: 48

In article <3350@lupine.NCD.COM> phil@hansen.NCD.COM (Phil Graham) writes:
>I am thinking about putting up a 1.2GHz repeater. From other people who
>own repeaters on this band I have some specific questions:
>
>- What antenna do you use?

I have used the LARSON fiberglass-coated omni outside for 3
years without problems

>- What is you elevation of you system?
>- What kind of coverage do you get?

The repeater had been operated from the John Hancock center in
downtown Chicago (93rd floor) for about a year. The range in the
clear approached 45 miles to an HT (with portable antenna, 1watt
Icom 12AT) over clear paths and reliable to 10 miles over
occluded outdoor paths. We noticed a pronounced seasonal
variation of coverage due to decidous trees.

The repeater is now located in Batavia, Illinois (38 Miles
due west of downtown Chicago) at 125 HAAT and the coverage
is about 10 miles. A study of a proposed site using topographic
maps and earth-curve charts of the radials of interest will
provide a very accurate prediction of coverage.....

>- What do you use for the repeater radios?

The repeater is a modified ICOM , one of the first sold. The
manual I got with it was *USELESS* ie: the freqency settings
for the DIP switch was not to be found (its synthesized). ALSO,
the repeater controller, IDer is PROM controlled...no info AND
their software is poor. Other than that not to bad for the
the $1100.00 price tag a few years ago. But I doubt that I
would spend the $2700 for one nowadays....

>- Do you use a Duplexer? What brand?

When we had the luxury of 75ft of Horizontal spacing (at 1000ft
HAAT) at Hancock, we didnt need a duplexer. At our present site
we have started using a WACOM duplexer (worth the $525.10)

>- What is the output power of the repeater?

10 watts, continous

>- What type of feeline are you using and what is the length?

Andrews 7/8ths inch Air dielectric, 135 feet

>Thanks in advance repeater owners!

E-mail me at the adr above for more specifics. I have found
1296 FM to be fun, Not as active around the Chicago area as
SSB/CW, but there are now two are repeaters... the other
(KD9FA) is at about 700 ft HAAT in downtown Chicago with
WIDE coverage similar to what I found from Hancock.

>Phil
>KJ6NN

Good Luck es 73
Kermit Carlson W9XA

From 925629920393629746
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,147263284118940
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 05:27:26 PST
Path: gmdzi!unido!mcsun!uunet!zaphod!usc!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: Exam Procedure
Message-ID: <48105@apple.Apple.COM>
Date: 15 Jan 91 17:10:26 GMT
References: <18992@shlump.nac.dec.com>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 35

magid@esis.enet.dec.com (Joel Magid...) writes:

> Do they give the 5,13,and 20 WPM code exams as multiple choice ?
> This should make for a lively debate here.

When I took my tests from the ARRL VEC not long ago, there were 10 questions; but they were not multiple choice. The questions were in the form similar to "What aniversary did the sender just celebrate?", "What was the call of the sender?" There is a small space for you to enter each answer. You were warned to be precise. I.e., if OH was sent, an answer of "Ohio" is incorrect (so is Finland, for that matter :-).

If you can't get 7 out of 10 questions right, the VE then looks for a equivalent-minute of solid copy (solid means that, all punctuations have to be exact).

Even with that, a lot of guessing is possible. For example I copied something like "KLM MONO????ER" and the question was "What kind of KLM antenna was the sender using?" Heh, doesn't take much to guess, if you'd evesdrop on enough QSOs.

Another hint to those taking the tests: both calls are sent both at the start and at the end of the QSO used in the test. So you have two chances to copy them. You can just about anticipate it and copy the first half of the call the first time they occur and copy the second half at the end of the QSO. Also, they love to throw in /-something e.g., W1AW/4. Make sure you anticipate that and don't get your rythms all thrown off in the nervousness of the moment.

73,

Kok Chen, AA6TY kchen@apple.com
Apple Computer, Inc.

..

From -8740881033410983736
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,528b764f2711a0a3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 05:28:03 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: No phone on 160m? (was: homebrewing)
Message-ID: <1072.2792EFCA@w8grt.fidonet.org>
Date: 15 Jan 91 17:11:31 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 28

> From: randall@informix.com (Randall Rhea)
> Date: 14 Jan 91 23:55:55 GMT
> Organization: Informix Software, Inc.
> Message-ID: <1991Jan14.235555.27746@informix.com>
> Newsgroups: rec.ham-radio
>
> In article <1991Jan12.015801.27509@NCoast.ORG> allbery@ncoast.ORG
> (Brandon S. Allbery KB8JRR) writes:
> >
> >Must be nice to be able to use AM on 160... voice isn't allowed on it in
> the
> >USA. (What's the FCC's rationale behind this, BTW?)
> >
>
> I wasn't aware of this rule! I heard people on AM and SSB last night on
> 160m!

You're right. I can't remember any time in the last 40 years that there was
no voice operation on 160.

BTW, before VHF FM came to dominate, 160 meter MOBILE was very popular and
amazingly effective considering obvious antenna problems.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 5795126103068500729
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 05:28:21 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs

From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: "ricebox"
Message-ID: <1073.2792EFD0@w8grt.fidonet.org>
Date: 15 Jan 91 17:11:40 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 31

> From: randall@informix.com (Randall Rhea)
> Date: 15 Jan 91 00:03:54 GMT
> Organization: Informix Software, Inc.
> Message-ID: <1991Jan15.000354.27977@informix.com>
> Newsgroups: rec.ham-radio
>
> In article <48015@apple.Apple.COM> kchen@Apple.COM (Kok Chen) writes:
> >randall@informix.com (Randall Rhea) writes:
> >>>
> >>They take offense because it's a racist remark.
> >
> >
> >Before you lump everyone into the "they" column, some of "us"
> >have a sense of humour too, you know. :-) I, for example, interpret
> >that as a remark on the *products* and not the *people.*
>
> "Ricebox" is intended to be a derogatory term aimed at a particular
> nationality.

You're both wrong. "Riceboxes" or "Rice Krispies radios" started out as a term of derogation of the USERS of those nice compact solid state VHF FM radios from Japan. They were 'appliance operators' who took the 'easy way out'. REAL hams used 600 pound tube Motorola radios they converted themselves from commercial surplus. Indeed, in the early days, these were called taxicab radios.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -1231520659076438907
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,143f703071adce2f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 05:55:45 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!samsung!interlan.InterLan.COM!interlan.interlan.com!yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: ARRL news
Message-ID: <YETSKO.91Jan16085545@interlan.interlan.com>
Date: 16 Jan 91 13:55:45 GMT

References: <1076.27938A31@w8grt.fidonet.org>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 6
Posted: Wed Jan 16 07:55:45 1991
In-reply-to: jim.grubs@w8grt.fidonet.org's message of 16 Jan 91 05:41:52 GMT

The RS antenna does NOT have the verticle element, but the Heath and ICOM
discone had one added to inrease the transmitting ability of the antenna
down to 6 Meters.

Mike Yetsko
N1DVJ

From 425876159851514602
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ee438f2ea74f2019,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,ee438f2ea74f2019,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-16 05:58:39 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!caen!rphroy!trux!car
From: car@trux.UUCP (Chris Rende)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Want Bearcat scanner mods
Message-ID: <525@trux.UUCP>
Date: 16 Jan 91 13:58:39 GMT
Followup-To: trux!car
Organization: Central Cartage, Sterling Hgts., MI
Lines: 15
Xref: gmdzi rec.radio.shortwave:3604 rec.ham-radio:19471

A friend of mine has the following Bearcat scanners:
145XL, 205XLT? handheld, 560XLT (or is it 580XLT?) 200 channel
(Model numbers may not be 100% correct).

Does anyone have information on mod's to these scanners?
If so, please Email any info to me.

Thanks,

car.
--
```
Christopher A. Rende           Central Cartage (Nixdorf/Pyramid/SysVR2/BSD4.3)
uunet!edsews!rphroy!trux!car   Multics,DTSS,Unix,Shortwave,Scanners,UnixPC/3B1
trux!car@uunet.uu.net          Minix 1.2,PC/XT,Mac+,TRS-80 Model I,1802 ELF
trux!ramecs!car     "I don't ever remember forgetting anything." - Chris Rende
```

From -2024171918723177488
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,af76119942cd76b6

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 06:30:44 PST
Path: gmdzi!unido!mcsun!uunet!zaphod!julius.cs.uiuc.edu!apple!voder!wlbr!
lonex.radc.af.mil!szarekw
From: szarekw@lonexc.radc.af.mil (William J. Szarek)
Newsgroups: rec.ham-radio
Subject: rhombic antenna
Summary: matching and terminating resistor?
Message-ID: <1991Jan15.150821.13309@lonex.radc.af.mil>
Date: 15 Jan 91 15:08:21 GMT
Sender: usenet@lonex.radc.af.mil (USENET Account)
Organization: RADC
Lines: 29
Nntp-Posting-Host: lonexc.radc.af.mil

I am thinking seriously about putting up a 160 meter rhombic at my shack. Is there anybody out there who has experience with these antennas?

My understanding is that the feed-point impedance is 600 ohms or so. I would imagine that 600 ohm feedline would work well from the antenna to the shack, but once inside the shack I need 50 ohms. Does that mean that I need a 12 to 1 balun? If so how do I "make" one (I'll buy one if I have to but I want to "learn" something)? I have the ARRL handbook, Antenna compendia 1 &2 , as well as the antenna matching book but they don't address this problem completely and I want to get this antenna up before winter is over so I don't have time to "school" myself on the fine art of matching.

I'd like the antenna to be run as an all-bander and this should be possible with a tuner (am I wrong?).

The terminating resistor, required for omni-directional operation, should be the same value as the feedpoint impedance. Does this mean that I need a 2KW 600 ohm resistor? If so where do I find one?

I live in an old farmhouse with lots of room to put up this antenna and I believe this could be my once in a lifetime chance to work such a monster antenna. Any help you can give will be greatly appreciated.

thanks es 73
buzz
wm1w

From -2377979146994882927
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6abc76cd258271b6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 06:41:20 PST
Path: gmdzi!unido!mcsun!uunet!zaphod!magnus.ircc.ohio-state.edu!
rdixon@magnus.ircc.ohio-state.edu

From: Bob_Dixon@osu.edu
Newsgroups: rec.ham-radio
Subject: 12 VDC Connector on Drake UV-3
Message-ID: <CMM.0.88.663961328.rdixon@magnus.ircc.ohio-state.edu>
Date: 15 Jan 91 17:42:08 GMT
Sender: Bob Dixon <rdixon@right.magnus.ircc.ohio-state.edu>
Reply-To: Bob_Dixon@osu.edu
Organization: The Ohio State University
Lines: 12
Originator: daemon@right.magnus.ircc.ohio-state.edu
Nntp-Posting-Host: right.magnus.ircc.ohio-state.edu

I am surprised to learn that Drake chose to make the large pin the hot one
on their 2-pin Cinch-Jones connector. That is the most dangerous choice.
While it is impossible to mate such connectors backwards if the the
connectors are both aligned face-on, it is possible to insert the small
pin of one into the large pin of the other, if the connectors are
ofset sideways (and they are not of the locking or threaded variety).
This can happen in poor light, or when reaching behind the rig, etc.
If the large pin is hot, this results in a short circuit.
But if the small pin is hot, nothing happens.
Clearly, making the small pin hot is the better choice.

Bob Dixon W8ERD

From -5424422001896218530
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 06:46:20 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!elroy.jpl.nasa.gov!mahendo!wlbr!lonex.radc.af.mil!szarekw
From: szarekw@lonexc.radc.af.mil (William J. Szarek)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Summary: lets look it up
Message-ID: <1991Jan16.144620.5525@lonex.radc.af.mil>
Date: 16 Jan 91 14:46:20 GMT
References: <654@chiton.ucsd.edu> <1949@ke4zv.UUCP> <1991Jan14.213223.8780@ux1.cso.uiuc.edu>
Sender: usenet@lonex.radc.af.mil (USENET Account)
Organization: RL
Lines: 57
Posted: Wed Jan 16 08:46:20 1991
Nntp-Posting-Host: lonexc.radc.af.mil

>In article <1991Jan14.213223.8780@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN) writes:
>>gary@ke4zv.UUCP (Gary Coffman) writes:
>>
>>>What you say is true on the lower portions of HF where FM is not legal.
>>>But at 10 meters and above, where low power rigs really shine, FM is legal.

>>
>>What bands are you talking about? What HF bands is FM not legal on where
>>voice is otherwise legal?
>>--
>>
>>--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
>><phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

Ok let's see . . .

In the ARRL (oh no not them!) publication "The FCC Rule Book" chapter 8 Emissions: Modulation, Signals and informiaton. they write:

"To find out what is permitted under the new emission designators, start by looking up the definitions under 97.3(c). For CW and test emissions, check 97.305(a) and (b), respectively. For other emission designators, check 97.305(c) to find the bands where these emissions are permitted, along with any restrictions and/or additional modes authorized for specific bands, which are located in 97.307(f). The new rules provide new latitude for the experimenter,
while preserving the traditional demarcations between RTTY/data and phone/FAX/SSTV operation in the HF bands."

[taken from page 8-1]
So from the new definitions in part 97.3

"(5) Phone. speech and other sound emissions having designators with A, C, D, F, G, J or R as the first symbol; 1, 2, or 3 as the second symbol; E as the third symbol. Also speech emissions having B as the first symbol; 7, 8 or 9 as the second symbol; E as the third symbol. MCW for the purpose of performing station identification procedure, or for providing telegraphy practice interspersed with speech. Incidental tones for the purpose of selective calling or alerting or to control the level of a demodulated signal may also be considered phone."

This means that FM (F3E/G3E) is ok to use anywhere "phone" operation is allowed. provided that 97.307(f)(1) & (2) are followed:

(1) No angle-modulated emission may have a modulation index greater than 1 at the highest modulation frequency.

(2) No non-phone emission shall exceed the bandwidth of a communications quality phone emission of the same modulation type. The total bandwidth of an independent sideband emission (having B as the first symbol), or a multiplexed image and phone emission, shall not exveed that of a communications quality A3E emission.

I guess that about covers it and Phil was right! (oh my!)

73
Buzz
WM1W

From 8604872008507562122
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38c4eaa8309c5b10
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 07:01:25 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!funic!santra!hila.hut.fi!kwiik
From: kwiik@hila.hut.fi (Kaj Wiik)
Newsgroups: rec.ham-radio
Subject: Re: EQ for Microsats, DSP, etc.
Message-ID: <1991Jan16.150125.830@santra.uucp>
Date: 16 Jan 91 15:01:25 GMT
References: <416@newt.sbi.com> <858@idacrd.UUCP>
Sender: news@santra.uucp (Cnews - USENET news system)
Reply-To: kwiik@hila.hut.fi (Kaj Wiik)
Organization: Helsinki University of Technology, FINLAND
Lines: 21

In article <858@idacrd.UUCP> mac@idacrd.UUCP (Robert McGwier) writes:

>I are both regularly using Discones to copy the birds. It appears to
>be a good antenna for this kind of reception. Jan reports he is able
>to get a copiable signal from the AO-13 beacon with it as well. I
I have regularily monitored AO-13 beacon and even the strongest CW and
SSB stations with 50 cm long piece of vertical copper wire on a ground plane.
    My friend worked the Microsats with two 1/4 lambda GP's plus
preamp at the base of 70 cm GP. It indeed succeeded best when the birds
were over Siberia and did not see central Europe...
    I have also worked many RS Mode-A QSO's from a car using only 1/4 GP's.
Of course the performance is better if you use J-poles.

>image) the omni DOES work. I encourage you to try. If you have
>an r7000 and discone, what can it hurt to try?
Yep, try and you'll be surprised! But keep the feed lines short and use
low loss cables or use preamp as near as possible to the antenna.

Kaitsu

PS. Don't forget Baltic...

From -2501321602914535678
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 07:22:39 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!uwm.edu!bionet!agate!ucbvax!
cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: homebrewing
Message-ID: <9101161522.AA22733@tilde>

Date: 16 Jan 91 15:22:39 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 44
Posted: Wed Jan 16 09:22:39 1991

In <tad@ssc.UUCP (Tad Cook)> Tad asks about power-up reset:

>In article <1057@catnip.berkeley.ca.us>, bandy@catnip.berkeley.ca.us

(lots deleted)

>> You're talking about the "CMOS Superkeyer II", no? I recently was looking
>> through the Nov '89 issue of QST, which had a construction article for
>> the "CMOS Superkeyer". One of its deficiencies noted in the article was
>> how it, when powered-on, would sometimes come up generating dits [I believe],
>> due to the fact that the logic would come up in a random state upon power-up.
>
>There is no on-off switch, because the current draw is almost nil. When
>the batteries are inserted the first time, it comes up with an "OK" in
>Morse, but this is via the monitor speaker only, and is not transmitted
>at the keyer output.
>>
>> I thought to myself and ask you guys: "Haven't you ever heard of a power-on
>> reset? A power-on reset has been a standard feature [um, one part of a
>> chip, one capacitor and one resistor, if I remember correctly - cheap] in
>> homebrew computer circuits since the mid 1970s.
>
>Huh? It is only powered up when you change the batteries.

Power-up reset circuits protect against voltage spikes that occur at contact closure (whether through a switch, a connector insertion, or by battery installation). These are frequently called "debounce" circuits, and may have a time constant of a couple hundred milliseconds. Digital stuff is much more sensitive to this "noise" than analog, because internal gates and flip-flops can assume unknown states due to the voltage fluctuations. If this should occur on power-up it is possible for a circuit to "lock up" and not accept any further inputs; the only cure being to remove power and start over. Far better to have some sort of a reset: either internal or easily-actuated manual method.

Those who build light-powered digital circuits have an entirely different problem. Rather than with spikes, they must contend with a slo-o-o-w rise time of the power that can occur in dim light or when the solar cell is exposed to a light source slowly. This slow rise time can also cause internal circuits to lock up. That is why you see an "all clear" key on almost all light-powered calculators.

73,
Dube   N5PDK

From -3188646773320438838

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ccd94040315cfee1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 07:27:40 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: Radio Shack Bashing
Message-ID: <1991Jan15.164120.23461@athena.cs.uga.edu>
Date: 15 Jan 91 16:41:20 GMT
References: <9101111518.AA29048@ucsd.edu> <7500085@hpfcso.HP.COM>
Organization: University of Georgia, Athens
Lines: 6

In article <7500085@hpfcso.HP.COM> jws@hpfcso.HP.COM (John Schmidt) writes:
>
>(But I don't give my phone number at gas stations -- if they ask for "a phone"
>303 499-7111 is a good one.)

Er... that looks familiar... it's WWV's time-by-phone, isn't it?

From 5558222336701702786
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e41172a63bd17f1c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 07:27:48 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!elroy.jpl.nasa.gov!swrinde!
dptspd!sat.datapoint.com
From: lcz@sat.datapoint.com (Lee Ziegenhals)
Newsgroups: rec.ham-radio
Subject: Email callbook server at Datapoint updated!
Message-ID: <853@dptspd.sat.datapoint.com>
Date: 15 Jan 91 17:33:10 GMT
Sender: lcz@dptspd.sat.datapoint.com
Organization: Datapoint Corporation, San Antonio, TX
Lines: 9

It has finally happened! I have updated the email callbook server at "callbook@sat.datapoint.com" with the December 1990 FCC database. I posted the help file a few days ago, so I'm not going to post it here. If you need help, send a single line with the word "help". If you have problems/questions, send mail to "callbook-help@sat.datapoint.com"

73/Lee, N5LYT

Btw, there are 501,906 calls in the database.

From -1228051644964908505
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29b4a11527361cbc
X-Google-Attributes: gid10c9e3,public

```
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-16 07:28:04 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <1991Jan15.165128.23680@athena.cs.uga.edu>
Date: 15 Jan 91 16:51:28 GMT
References: <41aFV2w163w@phoenix.com> <2413@risky.Convergent.COM> <881@wells.UUCP>
Organization: University of Georgia, Athens
Lines: 21
Xref: gmdzi rec.radio.shortwave:3569 rec.ham-radio:19415

In article <881@wells.UUCP> k3tx@wells.UUCP (Dave Heller) writes:
>> This same sort of thing also applies to establishments that refuse currency
>> denominations greater than $20, I believe.  The wording on all currency
>> states that it is "legal tender for all debts, public and private".
>
>Nothing to do with R//Shack, but:
>a year or so ago I was in a branch office of a rather
>major concern and saw a sign on the counter:
>"We cannot accept $100 bills"
>This outfit went by the name U.S.Post 0ffice,
>Conshohocken PA and preferred to be known as 19428.
>Couldn't get a decent answer from clerk,
>and wasn't quite sure I wanted to know why.
>But fortunately I was able to complete my purchase
>with 50s and 20s so everyone was happy.
>
Weird. I could understand "We cannot MAKE CHANGE FOR $100 bills" but
refusing to ACCEPT them seems to violate the concept of legal tender.


What about vending machines that only take certain denominations
of coins?



From -1112519557577437693
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,528b764f2711a0a3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 07:36:52 PST
Path: gmdzi!unido!mcsun!uunet!olivea!decwrl!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Re: On having a copy of the Part 97 rules
Message-ID: <9101161536.AA22998@tilde>
Date: 16 Jan 91 15:36:52 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
```

Someone asked how many hams have a copy of the FCC rules? Right. And how
many drivers have a copy of their states' driver manual?

73,
N5PDK

From -5495015847349741502
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29b4a11527361cbc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-16 07:39:02 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!cornell!oravax!harper
From: harper@oravax.UUCP (Douglas Harper)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Time to move the discussion? (was Re: Radio Shack bashing)
Message-ID: <2033@oravax.UUCP>
Date: 16 Jan 91 15:39:02 GMT
References: <1991Jan6.204033.19970@informix.com> <41aFV2w163w@phoenix.com>
<1991Jan8.193844.11586@alias.uucp> <2413@risky.Convergent.COM>
<91015.180632IO60370@MAINE.BITNET>
Reply-To: harper@oravax.odyssey.UUCP (Douglas Harper)
Followup-To: misc.legal
Organization: ORA Corporation, Ithaca, New York
Lines: 21
Xref: gmdzi rec.radio.shortwave:3602 rec.ham-radio:19466

In article <91015.180632IO60370@MAINE.BITNET> IO60370@MAINE.BITNET writes:
]In some random news article, scottl@convergent.com (Scott Lurndal) writes:
]
]> This same sort of thing also applies to establishments that refuse currency
]> denominations greater than $20, I believe. The wording on all currency
]> states that it is "legal tender for all debts, public and private".
]
]As pointed out by a leading consumer magazine, 'legal tender' does not
]imply obligation. No person or business is required to accept cash in
]any form - $20 bills or singles.

I'm very interested in following this discussion. The points raised
are important and timely. However, they don't have too much to do with
shortwave, ham radio or even Radio Shack any more. How about changing
the name of the thread to "legal tender" or some such, and moving it to
misc.legal?

--
Douglas Harper   harper@oracorp.com
oravax!harper@cu-arpa.cs.cornell.edu

From 1087373428382675361

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f676054bfd66f52,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 07:42:09 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!rpi!uwm.edu!bionet!agate!ucbvax!rx.xerox.com!hugh_davies.wgc1
From: hugh_davies.wgc1@rx.xerox.com
Newsgroups: rec.ham-radio
Subject: Questions from 'G' land . . . . .
Message-ID: <"16-Jan-91.15:42:09.GMT".*.hugh_davies.wgc1@rx.Xerox.com>
Date: 16 Jan 91 15:42:09 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 47

Dear All,

A few dumb questions!

1) I come to the USA regularly (my parents live there), and have always got a reciprocal license up till now. It's free, and grants Extra privileges (sort of) for my UK 'A' license. I've vaguely been thinking about getting a *real* license (an Extra, of course! :o). There's a VE programme here, so sitting the exams isn't a problem, *but*, how do I find out what to learn? (Yes, I know I probably know it all already, but there's got to be some differences). Where's a good place to look? This "element 1A", etc., stuff baffles the crap out of me. (We only have one exam for everybody.) I assume the ARRL publishes a book with the curriculum? What's it called? (Oh Ghod, I'll have to learn Morse Code *again*!)

2) I've always borrowed a US spec 144MHz HT up 'till now, but I would like to buy one. I'm not bothered about zillions of features, or dual-banding, but I would like one that is easily switchable between UK and US specs and that is reasonably small and not unreasonably priced. Does anyone have a recommendation for a rig, and where to buy it from?

3) I shall be spending all of this June in California, initially in LA, but mostly in and around the SF area. It might be easiest to buy the rig on arrival. Any recommendations for a good store? (I'll be staying in Manhattan Beach, initially).

Also, is there anything else in the ham line worth visiting in LA/SF and points between? I suspect that most things will either be too far away, or at the wrong time, but it's worth asking.

4) And finally, not a question, but a comment. What a sensible idea on the part of the FCC to give you a codeless license. Approximately 50% of hams in the UK have codeless licenses, and I would say that almost 100% of new entries pass the exam, get a codeless license, learn the code and upgrade to a "with code" license.

73,

Hugh.
=====================================
Hugh Davies, G0CNR,
Senior Software Engineer, (whatever that means)
Rank Xerox,
Welwyn Garden City,
Herts., UK.
=====================================
"Quantum Mechanics: The dreams stuff is made of"

From 7548364124799972482
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a884f178f8e03a9b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 07:44:22 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!bionet!agate!ucbvax!rx.xerox.com!hugh_davies.wgc1
From: hugh_davies.wgc1@rx.xerox.com
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V91 #67
Message-ID: <"16-Jan-91.15:44:22.GMT".*.hugh_davies.wgc1@rx.Xerox.com>
Date: 16 Jan 91 15:44:22 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17

<...
4. In the code testing room, you receive a pair of headphones. There is a 5-minute warm-up, followed by a series of V's, and then the actual test begins. After the test, you take a multiple choice exam with questions like:

What was the RST?	KK6MY DE	QTH is Canton ...
a. 599	a. W1AW	a. OH
b. 589	b. WA1W	b. GA
c. 578	c. W1AU	c. ON
d. 499	d. W2AU	d. WA

...>

No sending? No 100% copy? Like you have to do here. At 12wpm. Sheesh, I'm suprised people don't die of boredom during the 5wpm test . . . . . .

Hugh, G0CNR.

From 2080172454263807211
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a884f178f8e03a9b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 07:45:55 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!rx.xerox.com!hugh_davies.wgc1
From: hugh_davies.wgc1@rx.xerox.com

Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V91 #67
Message-ID: <"16-Jan-91.15:45:55.GMT".*.hugh_davies.wgc1@rx.Xerox.com>
Date: 16 Jan 91 15:45:55 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6

Sorry 'bout this.

Paul Nix, where are you? I finally fixed my mail server, and I've misplaced (i.e. lost) your mail address!

Hugh, G0CNR.

From 4484455550457926144
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c776686eec52589
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 07:54:37 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!magnus.ircc.ohio-state.edu!sbbrown
From: sbbrown@magnus.ircc.ohio-state.edu (Stephen B. Brown)
Newsgroups: rec.ham-radio
Subject: Automotive stealth (was: Is a passive reflector a "transmitter?")
Message-ID: <1991Jan16.155437.2563@magnus.ircc.ohio-state.edu>
Date: 16 Jan 91 15:54:37 GMT
References: <9101141543.AA29624@tilde> <1250334@hpnmdla.HP.COM>
Sender: news@magnus.ircc.ohio-state.edu
Organization: The Ohio State University Radio Observatory
Lines: 32
Nntp-Posting-Host: left.magnus.ircc.ohio-state.edu

In rec.ham-radio, dube@cpdvax.csc.ti.com writes:
>... Is anyone working on a "stealth" car?
>
In article <1250334@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>I forget where I read this (CB magazine I think), but the idea was to
>fill your hubcaps with shredded aluminum foil to "foil" the radar.

This is nonsense (as I think the poster realized), especially if you have metal hubcaps. It's amazing what people will believe.
Along the same lines, there used to be a company advertising in Road & Track, an absorptive paint to defeat police radar. This has a theoretical basis-- if every single conductive part of the vehicle were coated with space cloth, with proper spacing between the cloth and the conductors, it's RCS (radar cross section) would be dramatically reduced. This would also make for poor radio reception inside the car. However, the advertised application was clearly fraudulent (or governed by hitherto unknown physics) as they said to paint this stuff on the underside(!) of the hood.
Intuition suggests that the hood of a car has a relatively small RCS, compared to other parts. Radar images tend to be brightest where there are sharp

edges or points. This suggests that the newest generation of very
aerodynamic (i.e., blob-shaped) cars have smaller RCS. Also, plastic &
fiberglass body panels will reduce RCS. The quest for fuel economy may
have the side effect of producing 'stealth' cars.
However, reducing RCS will not make you immune to police radar (unless
you can eliminate the echo altogether.) Doppler (speed-measuring) radar
doesn't depend on the strength of the echo, but its frequency. I have
heard of (illegal) schemes involving a transmitter in the car, which
produces a dummy echo, causing police radar to indicate some false speed.

Steve Brown, N8HFI
--
Steve Brown sbbrown@magnus.ircc.ohio-state.edu

From -3014689711224412620
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a2aadffff275f5b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 08:02:47 PST
Path: gmdzi!unido!mcsun!uunet!samsung!interlan.InterLan.COM!interlan.interlan.com!yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Call sign server
Message-ID: <YETSKO.91Jan16110247@interlan.interlan.com>
Date: 16 Jan 91 16:02:47 GMT
Reply-To: yetsko@interlan.interlan.com
Distribution: rec.ham-radio
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 6

I see some postings refering to a 'call sign server' here on
rec.ham-radio. What is this, and how can it be accessed?

Mike Yetsko
N1DVJ
InterLan

From 191747084111433043
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1ce1ea0db689736a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 08:17:24 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!pa.dec.com!shlump.nac.dec.com!koning.enet.dec.com
From: koning@koning.enet.dec.com (Paul Koning)
Newsgroups: rec.ham-radio
Subject: Re: Novice loses privilege - ARRL response
Message-ID: <19057@shlump.nac.dec.com>
Date: 16 Jan 91 16:17:24 GMT
References: <47979@apple.Apple.COM> <1250337@hpnmdla.HP.COM>

Sender: newsdaemon@shlump.nac.dec.com
Reply-To: koning@koning.enet.dec.com
Organization: Digital Equipment Co., distributed systems architecture
Lines: 26

|>
|>In rec.ham-radio, holly@hpcupt1.cup.hp.com (Jim Hollenback) writes:
|>
|>>I don't understand the problem. Currently 1A is presumed with a Novice
|>>license, so passing 3A gets you a Tech license. Well, if a Novice
|>>upgrades after 2/14, why can't the VE accept the Novice license as
|>>proof of completion of 1A and issue the required CSCE?
|>
|>>Or am I missing some salient point?
|>
|>If I remember right, the Technician WITH code requires you pass the 5 wpm
|>before 3 certified Volunteer Examiners. The Novice license only requires
|>2 General-class hams for the test. This may be the reason it doesn't count.
|>
|>AL N1AL

Indeed any test above Novice is done with a 3-person VE team. But that
is irrelevant to the point. Under the existing rules, a Novice gets
credit for part 1A. The fact that the exam procedure was (or rather,
could have been) different is not considered.

So in other words, Jim is right. A Novice license proves you passed 1A,
and will continue to do so after 2/14.

paul

From 8520525290881377019
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f676054bfd66f52
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 08:21:38 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!hpb
From: hpb@unix.cis.pitt.edu (Harry P Bloomberg)
Newsgroups: rec.ham-radio
Subject: UK's experience with no-code license
Message-ID: <79879@unix.cis.pitt.edu>
Date: 16 Jan 91 16:21:38 GMT
References: <"16-Jan-91.15:42:09.GMT".*.hugh_davies.wgc1@rx.Xerox.com>
Reply-To: hpb@unix.cis.pitt.edu (Harry P Bloomberg)
Organization: University of Pittsburgh, Panther Amateur Radio Club
Lines: 23

In article <"16-Jan-91.15:42:09.GMT".*.hugh_davies.wgc1@rx.Xerox.com>
hugh_davies.wgc1@rx.xerox.com writes:
>
>4) And finally, not a question, but a comment. What a sensible idea on the part

>of the FCC to give you a codeless license. Approximately 50% of hams in the UK
>have codeless licenses, and I would say that almost 100% of new entries pass
>the exam, get a codeless license, learn the code and upgrade to a "with code"
>license.
>

During the Great CW Debate, a leading arguement for retaining the code requirement was that CW filters out bad operaters. The fear was that our ham bands would sound like the CB band if not for CW keeping out the trash.

An arguement in favor of the no-code license was that CW was preventing many otherwise technically competant potential hams from going on the air. The hope was that these folks would flock to receive amateur licenses and increase the amount of experimentation, especially in digital modes.

What is the UK's experience with a codeless license? Have poor operating practices increased since the UK went no-code? Has technical innovation improved? What lessions can the US draw from the UK's experience?

73,
Harry Bloomberg WA3TBL

From 62359450453652251
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d4af6ce8d2a70c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 08:26:11 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!rochester!kodak!eastman!
b56vxg.dnet@kodak.com!harding
From: harding%b56vxg.dnet@kodak.com (JON HARDING)
Newsgroups: rec.ham-radio
Subject: Heathkit SB-1400 info please
Message-ID: <1598@eastman.UUCP>
Date: 16 Jan 91 16:26:11 GMT
Sender: news@eastman.UUCP
Reply-To: harding%b56vxg.dnet@kodak.com
Organization: Eastman Kodak Company, Rochester NY, USA
Lines: 8
News-Software: VAX/VMS VNEWS 1.3-4

For about $825 you get the tranciever AND power supply. Now, what is
this unit really. Someone told me it was a YAESU. Is this a good rig?
Is this a reasonable price for what is obviously a closeout?
Any information will be appreciated.

```
N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J
|    Jon Harding, N2KZJ email: harding%b56vxg.dnet@Kodak.COM
           |
|        * I don't represent KODAK by word or deed. *
           |
N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J
```

From 3627736496864152969

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b8bd3da1ddf6cee8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 08:31:48 PST
Path: gmdzi!unido!mcsun!uunet!zaphod!usc!apple!agate!ucbvax!STLAWU.BITNET!MROWEN
From: MROWEN@STLAWU.BITNET (Mike Owen W9IP)
Newsgroups: rec.ham-radio
Subject: What's the best --> FT736
Message-ID: <9101151809.AA09916@ucsd.edu>
Date: 15 Jan 91 17:08:09 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: SAINT LAWRENCE UNIVERSITY
Lines: 8

In a recent posting, James Dougal mentioned that he had seen a MARS mod for the FT736. I tried to reply to him directly but JPD@UCBVAX.BERKELEY.EDU doesn't make it. Sooo...

Jim - do you have any details about this mod, or do you recall where you saw it?

Thanks - MROwen

From 5297637666632774619
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,72c9363b386517fe,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 08:34:56 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!plains!enders@plains.NoDak.edu
From: enders@plains.NoDak.edu (Todd Enders - WD0BCI)
Newsgroups: rec.ham-radio
Subject: NBFM on HF...
Message-ID: <7575@plains.NoDak.edu>
Date: 16 Jan 91 16:34:56 GMT
Organization: North Dakota State University Fargo, ND
Lines: 23
Posted: Wed Jan 16 08:34:56 1991

The mention of NBFM reminds me that this was somewhat popular during the 50's. I believe the deviation was 2.5KHz. The curious may want to check out QST in that time frame. (Note: this is from reading various texts and editions of the ARRL handbook. I wasn't even born when all this took place :-)

The question that makes me think is: How narrow can one make an FM voice signal? I'd think that NBFM would be competitive with SSB (maybe even better due to capture effect?) if it could be squeezed into a comparable bandwidth.

===

Todd Enders - WD0BCI   ARPA: enders@plains.nodak.edu
Computer Center   UUCP: ...!uunet!plains!enders
Minot State University   or: ...!hplabs!hp-lsd!plains!enders
Minot, ND 58701   Bitnet: enders@plains

"The present would be full of all possible futures,
 if the past had not already projected a pattern upon it" - Andre' Gide

---

From 4790737463612701154
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f0054f5375d8bf27,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 08:59:48 PST
Path: gmdzi!unido!mcsun!uunet!samsung!interlan.InterLan.COM!interlan.interlan.com!yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Caller ID, Telephone
Message-ID: <YETSKO.91Jan16115948@interlan.interlan.com>
Date: 16 Jan 91 16:59:48 GMT
Reply-To: yetsko@interlan.interlan.com
Distribution: rec.ham-radio
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 30

OK, this ain't really HAM radio, but if anyoneis going to see/hear/find and signal, then decode it, it's gonna probably be a HAM, so if you don't like it posted here, skip it.

I heard fron an individual recently that he 'heard' that this new caller ID on phone services was simply a digital tone burst dropped on the phone line preceding the ring voltage. Supposedly this is standard BELL 202 FSK tones, but I have no idea of the format.

Has anyone heard what the scoop is on this? Is it as simple as BELL 202 tones on the line in a data burst? Does it precede the ring, or does it interspace with the ring? It's gotta come before pickup, as it is advertised as being used to pre-screen calls before pickup.

What about the data format? I realize it is currently only for local CO coverage, but that may expand.

For those worried about interfacing to the line, Radio Shack sells these little recording controls that interface to the line and start a recorder whenever line impedance drops. HOWEVER, the audio stays live at ALL times, regardless of line impedance. Just tie that audio out to a demodulator.....

Is there any kind of interactive requirements for this, or is the data just streamed to the home line???

Inquiring minds want to know (and build a 6801 project!!!)!

Mike Yetsko
InterLan
N1DVJ

From -4636867710288712351
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f83e8d7a4b1cf3b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 09:00:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: Ham Flyer for local Radio Shack stores
Message-ID: <27080053@col.hp.com>
Date: 16 Jan 91 17:00:32 GMT
References: <40312@genrad.UUCP>
Organization: HP Colorado Springs Division
Lines: 3

I think what you are doing is GREAT! I wonder if the average non-ham
would understand what an "Elmer" was. You might think about using an
alternative word.

From -8408196195584317744
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5c87084c1467eca2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,5c87084c1467eca2,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,5c87084c1467eca2,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,5c87084c1467eca2,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1991-01-16 09:18:26 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.shortwave
Subject: BALT: Destruction of Vilnius radio contact   i'l 819
Message-ID: <1079.27944818@w8grt.fidonet.org>
Date: 16 Jan 91 17:18:26 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 43
Xref: gmdzi rec.ham-radio:19452 rec.ham-radio.packet:3417 rec.ham-radio.swap:916 rec.radio.shortwave:3598

 * Originally by Uucp, 1:234/1@fidonet

```
 * Originally to BALT-L, 1:234/1
 * Originally dated 16 Jan 1991, 12:16

From  uunet!UBVM.cc.buffalo.edu!BALT-L
From: uunet!UBVM.cc.buffalo.edu!AEB_BEVAN%VAX.ACS.OPEN.AC.UK
To:   Multiple recipients of list BALT-L <BALT-L@UBVM.UCAR.EDU>
Date: Wed, 16 Jan 91 11:42:22 GMT

Broadcast  to list 16 January 1991

Station LY2WW in Vilnius, one of the important links between Lithuania and the
outside world, was captured and destroyed by Soviet troops. At this point the
fate of the operators is not known.

It is feared that the Soviets were alerted to the existence and importance of
this station through widespread publicity on amateur radio nets and
listservers.

BALT-L is itself operating under wartime guidelines. We will not identify
sources for information coming from the Baltic States. We will definitely not
be publicising targets for Soviet reprisals, or identifying radio fgrequencies
for the benfit of jammers.

We can only appeal to everybody handling information on these acts of war
against the Baltic nations to consider their responsibilities for their
actions.

Edis Bevan
-------------------------------------------
Eesti vabaks
Brivu Latviju
Lietuva laisva    (= 'Free Estonia / Latvia / Lithuania') !
----------------------------------------------
BALT-L 91-00819

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--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org


From -6127837698055060823
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,147263284118940
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-16 09:31:08 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!ncar!csn!uswat!ken
From: ken@uswat.uswest.com (Kenny Chaffin)
Newsgroups: rec.ham-radio
Subject: Re: Exam Procedure
Message-ID: <14455@uswat.UUCP>
```

Date: 16 Jan 91 17:31:08 GMT
References: <D75AEB24D3BF201851@uncg.bitnet-> <1250336@hpnmdla.HP.COM>
Sender: news@uswat.UUCP
Organization: US WEST Advanced Technologies, CO, USA
Lines: 30

In article <1250336@hpnmdla.HP.COM-> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
->In rec.ham-radio, magid@esis.enet.dec.com (Joel Magid...) writes:
->
->
->> Do they give the 5,13,and 20 WPM code exams as multiple choice ?
->> This should make for a lively debate here.
->
->Interestingly, the multiple-choice test is harder to pass than the
->one-minute-of-solid-copy requirement. In the VEC exams I have helped
->administer, there have been many people who got less than 70% on the
->multiple-guess but passed on the one-minute-solid.
->
->AL N1AL

The same is true here in Denver with fill in the blank exams
that we use. the ratio is probably 1/3 pass on copy 2/3s on the fill
in the blank.

KAC WB0E

"Anybody want a drink before the war?"
Sinead O'Connor

>>
Kenny A. Chaffin   {...boulder}!uswat!ken
U S WEST Advanced Technologies   (303) 930-5356
6200 South Quebec
Englewood, CO 80111
<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<

From -6925835240096952935
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-12 21:22:20 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!uwm.edu!zaphod.mps.ohio-state.edu!
julius.cs.uiuc.edu!wuarchive!sdd.hp.com!hplabs!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Plain English
Message-ID: <1991Jan12.053417.29254@informix.com>
Date: 12 Jan 91 05:34:17 GMT
References: <837@wells.UUCP> <15485@crdgw1.crd.ge.com> <868@wells.UUCP>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.

Lines: 22
Posted: Fri Jan 11 23:34:17 1991

In article <868@wells.UUCP> k3tx@wells.UUCP (Dave Heller) writes:
>
>
>
>This question is rather silly.
>
>Can't you understaind plain english?
>
>A Voltmeter measures Volts.
>
>A Potentiometer measures potentios.

And a tachometer measures tachs. I wish I had one the other night.
I stepped on a tach, and now I have a nasty foot infection.

[A smiley face :-) as required.]

--

```
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                          Informix Software, Inc.
Senior Programmer/Analyst, MIS                    uunet!pyramid!infmx!randall
```

From -4013369829650654380
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ccd94040315cfee1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-12 21:22:50 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!
sdd.hp.com!hplabs!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: Radio Shack Bashing
Message-ID: <1991Jan12.055429.29664@informix.com>
Date: 12 Jan 91 05:54:29 GMT
References: <9101080311.AA17119@tilde> <27080050@col.hp.com>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 18

In article <27080050@col.hp.com> bobw@col.hp.com (Bob Witte) writes:
>
> Re: Radio Shack bashing
>
> Is it too late to add rec.radio.shack so y'all have a nice quiet
> place to complain about RS? Seems like this comes up every few months.

Sorry for starting such a fuss.

But hey, I like the Radio Shack postings a lot better than all this code/no-code stuff.

```
--

=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                          Informix Software, Inc.
Senior Programmer/Analyst, MIS      KK6MY         uunet!pyramid!infmx!randall
```

```
From -5050271688240865068
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-12 21:22:54 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: Comments needed on a YEASU FT-757 GX II
Keywords: Cheap ICOMs
Message-ID: <1991Jan12.053710.29312@informix.com>
Date: 12 Jan 91 05:37:10 GMT
References: <9101031728.AA15712@ucsd.edu> <758@wells.UUCP>
<1991Jan9.125658.2629@lonex.radc.af.mil>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 15
```

In article <1991Jan9.125658.2629@lonex.radc.af.mil> popyackl@lonex.radc.af.mil (Leonard J. Popyack) writes:

```
>
>Watch out for those cheap ICOM rigs.  When a friend of mine was looking for
>an inexpensive rig, we looked at the Kenwood TS-140, YAESU and ICOM.  The
>most striking feature of the ICOM is it had no IF Shift! We immediatly
>dismissed the ICOM as one of the rigs to buy.  He ended up with the Kenwood
>and likes it a lot.  73 WF2V  Len
```

True for the 725, not for the 735. My 735 is nice and shifty, thank you.

```
--

=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                          Informix Software, Inc.
Senior Programmer/Analyst, MIS                    uunet!pyramid!infmx!randall
```

```
From 3564840384195328010
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ccd94040315cfee1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-12 21:44:27 PST
Path: gmdzi!unido!mcsun!uunet!samsung!crackers!m2c!wpi.WPI.EDU!gkd
```

From: gkd@wpi.WPI.EDU (Gregory K Doerschler)
Newsgroups: rec.ham-radio
Subject: Re: Radio Shack Bashing
Message-ID: <1991Jan12.103255.22813@wpi.WPI.EDU>
Date: 12 Jan 91 10:32:55 GMT
References: <9101111518.AA29048@ucsd.edu>
Organization: Worcester Polytechnic Institute
Lines: 12

btw, a friend who used to work for Radio Shack mentioned something about a junk mail generator computer that compares your street address and zip code to verify the address (and also to obtain a 9 digit zip). Thus, if you like to give them fake addresses so they can waste money sending out flyers to non-existant people (as I do), be sure to pick a real street and use the proper zip code for that street, or the junk mail may never get mailed.

Of course, this makes one wonder if junk mail could be avoided simply by giving a bad zip code. Somehow, I bet not.

Greg

From 2862321335863687648
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9db0794c573ac9f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-12 23:23:41 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!caen!uflorida!gatech!prism!qseclrb
From: qseclrb@prism.gatech.EDU (BOB BAGGERMAN)
Newsgroups: rec.ham-radio
Subject: Re: Ramsey kits
Summary: Ramsey address
Message-ID: <19570@hydra.gatech.EDU>
Date: 12 Jan 91 16:48:28 GMT
References: <"11-Jan-91..9:50:54.CST".*.Mike_Beezley.Houston@Xerox.com>
<155413.23505@timbuk.cray.com>
Organization: Georgia Institute of Technology
Lines: 19

> > so....Where can one obtain these Ramsey kits?

How about direct from Ramsey? The address is:

Ramsey Electronics, Inc.
793 Canning Parkway
Victor, NY 14564
716-924-4560

Call them up and get one of their catalogs. I have seen them at bunches of Hamfests, too. I've built some of their stuff and it's a lot of fun!

```
Bob Baggerman

--
Bob Baggerman                          !  rwb@csdvax.gatech.edu
Communications Systems Division        !  qseclrb@hydra.gatech.edu
Georgia Tech Research Institute        !  bbaggerm@gtri01.gatech.edu
Atlanta, GA  30332                     !  404-894-3525


From 5580406561361285856
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,74a25515eacae4ad,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-12 23:37:02 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Others' view of codefree
Message-ID: <1057.278F0230@w8grt.fidonet.org>
Date: 12 Jan 91 17:28:06 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 102

From: dube@cpdvax.csc.ti.com in Message-ID: <9101101945.AA20490@tilde>
 > Newsgroups: rec.ham-radio
 >
 > From <jim.grubs@w8grt.fidonet.org (Jim Grubs)> I read:
 >
 > Subject: Others' view of codefree
 >
 >
 > >The following is part of the text of an article that appearred this week in
 > >FidoNews <tm>, the weekly newsletter of the amateur computer network called
 > >Fidonet <tm>. I am reproducing it here to demonstrate that the fears that
 > only
 > >radical outlaw CB'ers will be attracted by the codefree license are
 > unfounded.
 >
 > (selected passages of FIDONET IN 1991 text deleted)
 >
 >
 > I read the entire thing twice, and I found nothing whatever to suggest
 > that
 > "fears that only outlaw CB'ers will be attracted by the codefree license
 > are unfounded".
 >
 > What I did infer was that there are a lot of technically-inclined
 > computer
 > hobbyists who don't seem to be interested in Amateur Radio.
 >
 > Also, here is an interesting comment that seems to bear out my
 > previously-
 > voiced contention that many computer enthusiasts have found Amateur
```

> Radio
> to be just another peripheral, a substitute for land-line connections so
> to speak, and thereby avoid long-distance phone charges.

Initially, that might be true. The point is the writer expressed an intelligent and thoughtful curiosity based on his self-admitted ignorance. He sees ham radio now with the only frame of reference he has - landline computer networking. As he learns more, his understanding of the differences will improve.

> and the article goes on to point out that *radio* hobbyists seem only to
> want to talk about their hobby:

You overlook his statement that this is similar to many in Fidonet.

> >   hams seem to want to talk only about amateur radio, and nothing
> >   else! We have those types in Fidonet, too, of course - the

> >   communications-oriented conferences. But in Fidonet, there are
> >   conferences on a fairly wide range of other subjects as well.
> >   I'm not sure if amateur radio has this diversity now, but if it
> >   doesn't it probably will.

I'm sure he's right. When the Phantasmogorical Packet Machine has been built, it'll have to be used for something just to keep up interest in it. If the only topic of coversation is the machine itself, eventually it will wither away from sheer boredom. If Phil's ideas of the eventual capabilities of it come to pass, there will be more than ample bandwidth.

> Radio hobbyists will probably still talk mostly about *radio*. Computer
> hobbyists using Amateur Radio as a connecting medium will probably
> continue
> to discuss their own areas of major interest.

I see nothing sinister in that. We can learn from each other.

> >   But now that the psychological barrier of the code has been removed,
> >   (some deleted for effect)
> >   This cross-pollination of the two technologies could ultimately
> >   affect us in ways we don't yet realize.
>
> This profound statement may still be ringing in our ears years from now.
> IMHO, there is going to have to be some compromise on both sides for it
> to
> occur. Both the OF's and the NF's need to realize that this is the
> joining
> of two hobbies: computers and radio; and each *should* be willing to
> become
> knowledgeable (at least marginally) in the other "technology". Which
> means
> that each should be willing to abide by the other's rules without all
> this
> finger-pointing and name-calling.

Agreed. And I'm sure the author of the FidoNews article would enthusiastically endorse it, too.

> This is going to be important in order for Amateur Radio *not* to become
> CB-ized (not the same as Jim's allusion to fears of outlaw CB'ers
> coming into the hobby); and for Amateur Radio not to cease to exist as a
> hobby medium for *radio* hobbyists.

Again, my central intent in the opriginal posting was to refute the notion held be some OF's that the ONLY result of no-code would be an unwashed horde of bandits seeking to transplant into the ham bands their present brand of good buddy smokey patrols and research into which truck stop has the juiciest broads.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

```
From 7853679143629517320
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-13 00:13:06 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: Rigs for beginners? (or: MFJ, Icom, etc.)
Message-ID: <48015@apple.Apple.COM>
Date: 12 Jan 91 19:11:35 GMT
References: <5490111@hpscdc.scd.hp.com> <2992@ux.acs.umn.edu> <819@wells.UUCP>
<1991Jan12.042810.28007@informix.com>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 46
```

randall@informix.com (Randall Rhea) writes:

>I'm sure this posting has generated considerable debate.
>
>In article <819@wells.UUCP> k3tx@wells.UUCP (Dave Heller) writes:
>>
>>Of the "Asian riceboxes" (I have other names for them, but some seem
>>to take offense)
>>
>They take offense because it's a racist remark.

Before you lump everyone into the "they" column, some of "us" have a sense of humour too, you know. :-) I, for example, interpret that as a remark on the *products* and not the *people.*

Heck, I have been calling my Omni-V a "Confederate breadbox." I certainly hope it does not offend friends in Tennessee (guess what the "Ten" in "Ten-Tec" stands for). And, yes, after using Ten-Tec, the Pacific Rim would have have to come up with something very much better before I will switch.

MFJ? Very good bargains, but construction and manufacturing quality not up to 1980 or 1990 standards, IMHO. Be prepared to tighten screws and SO-239s, retouch solder joints (or, should I say blobs?) and sandpaper metal interfaces (I could swear that no one at MFJ has ever heard of the term Faraday cage :-). Even an MFJ coaxial switch came with a loose connector, sigh.

By the way, I noticed that much of the manufacturing for MFJ products is done offshore. But, there is still no excuse for them not doing a critical QC pass.

I used to be super-critical of MFJ. I no longer am; after adjusting my expectations and preparing myself each time to do my own QC pass after bringing a unit home from the store.

Just don't expect MFJ equipment to be as bullet-proof as an HP Spectrum Analyser. Afterall, if you flame too much about MFJ and get your blood pressure up too high, you might end up SK like that chap in Benin.

73,

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From -1606775137229382202
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,41a2a2f8d2307019
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-13 00:15:20 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!zaphod.mps.ohio-state.edu!rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: Radio Shack
Message-ID: <JmaoV2w163w@phoenix.com>
Date: 12 Jan 91 18:02:18 GMT
References: <22147@mvis1.com>
Organization: Not BIFF At All (NBAA)
Lines: 25

jkaidor@synoptics.COM (Jerome Kaidor) writes:

> It seems to me, that the "last four digits" they're asking for
> are just a hash code. They're not going to use them to call you up,
> because they're lacking three digits.

No, they store the entire number (they asked for it, anyway) and use the last 4 to look you up. There is no hashing to it. Searching the last 4 digits is faster than searching all 7.

> But why bother? At least it saves
> them from having to scribble down your name and address every time you
> buy something, given that they're committed to getting that
> information. And they HAVE been committed to getting that information
> ever since they became a national chain. This "last four numbers"
> business is just a streamlining of the old procedure.

If you are not in the database, they MAKE you give them the info to PUT you in the database. Now that you are IN the database, they can track what you purchase, send you flyers until you turn blue in the face and your recycling bin is full, and SELL your name to other people (like LOTUS?) without your permission.

The hassle is NOT just giving them the 4 digits of your number, but the implications of being in their database at all. And those of us who object to being in their database objected all along.

From 3951094749178990249
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85d9209861665035
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-13 01:03:59 PST
Path: gmdzi!unido!mcsun!uunet!n3dmc!wa1lbp
From: wa1lbp@n3dmc.svr.md.us (David Cowhig)
Newsgroups: rec.ham-radio
Subject: Re: Is a passive reflector ever a "transmitter"?
Message-ID: <1991Jan12.220214.3135@n3dmc.svr.md.us>
Date: 12 Jan 91 22:02:14 GMT
References: <1894@starfish.Convergent.COM> <1250329@hpnmdla.HP.COM>
Organization: N3DMC, Silver Spring, Maryland
Lines: 17

Well in the sense of the reflector adding intelligence that wasn't in the original signal? There was a problem a few years ago when the US embassy in Moscow was regularly bathed in microwaves. Rumor has it that the Soviets build a resonant cavity into the walls of the building that would reflect microwaves of a certain frequency (I think these are used for testing at airfields). The resonant cavity has a diaphragm which vibrated changing the resonant frequency of the cavity. People talking in the building would make the reflected signal shift in frequency -- frequency modulation.
This passive bug required no power source so it couldn't be found by conventional methods. The Soviets could compare the input to the reflected signal and extract the intelligence from the signal.
Supposedly the Soviets found the design for this device at the US Patent Office among the hundreds of thousands of patents which flow through there..
So here is a case where a reflector was a true transmitter.

From -8135808325012346959
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8e7b761b8b6807f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-13 01:07:27 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!OUTLAW.UWYO.EDU!jimkirk
From: jimkirk@OUTLAW.UWYO.EDU (James Kirkpatrick)
Newsgroups: rec.ham-radio
Subject: J-Pole confusion
Message-ID: <910112161608.20200a98@UWYO.BITNET>
Date: 12 Jan 91 23:16:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14

Plans for twin-lead J-pole antennae have been posted several times, but I'm confused by a significant difference in some of the plans. In Jim Grubs' plans (see recent posting as well as 5-Nov-90), the twin lead is shorted just above the gap. However, in Andrew Kinsman's posting of 2-May-90 this point is not shorted; this is also the case in the April 1982 QST article (page 43).

So, should or should not one short the twin lead above the gap? Does it really even matter? (please note, I am NOT talking about the short at the bottom of the antenna).

Jim Kirkpatrick, WB7BUP

"I used to work on mainframes, but then we got VAXes instead."

From 824347444005270478
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a9716f7f1a9cde38
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-13 01:39:14 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!magnus.ircc.ohio-state.edu!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: HT with tone burst and CTCSS tone
Message-ID: <1991Jan12.205814.25032@NCoast.ORG>
Date: 12 Jan 91 20:58:14 GMT
References: <5548@feldspar2.UUCP>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 15

As quoted from <5548@feldspar2.UUCP> by svec@motcid.UUCP (Larry Svec):

```
+---------------
| Does anyone know if any of the new dual band HTs available in the US have
| both 1750Hz tone burst and PL tone capability in the same HT which would
+---------------
```

Well, my TH-75A (Kenwood) has a "PL" setting which actually activates the tone burst instead. No real reprogramming, it's exactly like setting up a PL.

++Brandon

```
--
Me: Brandon S. Allbery              VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR              AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

From 2880320768465663695
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cf5a8cb4b25ab17e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-13 01:42:13 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!tektronix!sequent!sequent.uucp!dale
From: dale@sequent.uucp (Dale Mosby)
Newsgroups: rec.ham-radio
Subject: Power Connectors
Message-ID: <50428@sequent.UUCP>
Date: 12 Jan 91 21:04:24 GMT
Sender: dale@sequent.UUCP
Organization: Sequent Computer Systems, Inc.
Lines: 48

I'd like to interrupt the code/nocode/group rename/radio shack discussion for something that I hope will be useful to some hams.

When I became a ham not too long ago, I needed to make power connectors for a couple battery packs, power in my car, my Astron power supply, etc. Well, it was obvious that what I needed was some "universal" connector that would work for 12 volts and allow me to connect any cable to any power supply. I looked around and the only thing I could come up with was the Radio Shack "pigtails" using the red/black wire and molded plugs. They were cheap and I figured available everywhere so I used those. But not ideal, as they have one exposed lead, and you have to splice them into your cables.

At a ham club meeting a member displayed some absolutely fantastic connectors, and as I understand things there is some effort to get the ham community to standardize on these. The benefit of course is that we can easily swap power supplies. You won't find these at Radio Shack, but a local electronics store with more stuff does have them, as does a local ham/short wave radio store. So with a little luck you can find them too.

These things are red or black plastic enclosures accepting a metal tab that snaps in. They are designed such that they only mate red/red and black/black. Each connector has a small dove-tail on two sides and a mating notch on the other two. This allows you to fasten any number together so not only can you lock two together for a standard two pair cable, you can use 4 together for something like a heavy power supply cable for your HF rig (my Kenwood uses 4 conductors for the 12 V power cable.)

These are from Anderson Power Products, part numbers: Black 1330G4, Red 1330, contact only 1331. Specifications for these are: Current 30 amps, voltage 600, contact resistance 600 Microhms. They come in other sizes for 75, 120, and 180 amps. There are also accessories available, such as panel mounts, which I have in my car dash. Cost is about $0.30 per connector so mating both ends of a two conductor cable is $1.20.

Well sounds like I'm selling these, but I'm not, and don't even make any money on the sales. But I might benefit if I'm ever mobile and need to borrow your power supply!

Note: When you wire these, facing back (wire side), put red on the RIGHT and metal contact DOWN. I put a drop of glue in the slot on side of connector and slide together.

Sorry for the length of this, but it is information I would have liked when I was first in the hobby.

From 3395309662315935103
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f6960ea9e786f3c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-13 01:58:14 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!caen!uflorida!gatech!ncsuvx!news
From: jumper@hobbes.ncsu.edu (Michael Lanham)
Newsgroups: rec.ham-radio
Subject: Next HAM-Fest in NC, SC, VA area??
Message-ID: <1991Jan13.011322.21995@ncsuvx.ncsu.edu>
Date: 13 Jan 91 01:13:22 GMT
Sender: news@ncsuvx.ncsu.edu (USENET News System)
Distribution: rec
Organization: NCSU Computing Center
Lines: 15

I do not subscribe to this news group so please e-mail all responses to this request for information.

I am looking for the dates and locations of any and all HAM-Fests in the North and South Carolina areas and also within the Virginia area.

Specifically I am looking for Fests that have strong turn-outs of computer hardware vendors.

Thank you for your help!

--
He who will not reason, is a bigot; he who cannot is a fool;
and he who dares not is a slave.   --- Sir William Drummond

Michael Lanham   mjlanham@eos.ncsu.edu   & jumper@.catt.ncsu.edu

From 9209457176590502280
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2ac776a6026a153d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-13 03:27:04 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes 1/11/91
Message-ID: <1987@n8emr.UUCP>
Date: 12 Jan 91 23:25:19 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 158

```
==============================================================
|         Relayed from packet radio via                |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ ALLBBS $RTDX0111A
RTTY DX Notes 1of3 1/11/91

RTTY DX Notes for week ending 11th January 1991
BID: $RTDX0111A
Part 1 of 3.

One wonders at times if the risks taken by some DXpeditions are really worth the effort. After all, is a new country worth the injury or life of the expeditioner? Too many times have we seen the lives of the participants at risk so that some people can have another country to their credit. I think that it is time that we stood back and said, how much is a life worth? But of course there will always be the person who will pay anything to beat the chap next door, even someone else's life. Think about it.

Our thanks this week go to DJ3IW and the Saar-Pfalz Packet Cluster, I5FLN, I5ICY, I5IGIGQ, JA1BLV, OD5NG, TG9VT, UT5RP, VK2EG, W2JGR and the Tri-State Packet Cluster DX Network. Thank you all for your assistance and information. Incidentally, next week will be my last notes for a few weeks. I have been given leave, so please direct your information to I5FLN at OD5NG or at TG9VT. Again thank you all.

Bandpass:

```
Friday 4:
RI1OA       21090  at  0900Z
V51P        21084  at  1304Z
4Z80TA      28088  at  1442Z
UB5MW       28086  at  1450Z
3B9FR       14087  at  1922Z
4K2OIL      14089  at  2329Z

Saturday 5:
VP2EE       21081  at  0028Z
KV4JC       14074  at  0106Z  ARQ
RI1OA       21086  at  0816Z
BY1PK       21096  at  0826Z
5Z4BI       21085  at  1405Z
YS/WD4IFN   21071  at  2207Z  QSL/ARQ
HL9RY       21091  at  2234Z
```

Continued in part 2.
/EX
SB RTTYDX @ ALLBBS $RTDX0111B
RTTY DX Notes 2of3 1/11/91

RTTY DX Notes for week ending 11th January 1991
BID: $RTDX0111B
Part 2 of 3.

```
Sunday 6:
5Z4BI       21083  at  0027Z
J39BG        7093  at  0236Z
9L1US       14086  at  0257Z
VP2EE       14084  at  0319Z
V73BN       14088  at  0459Z  QSL
BV4VB       21082  at  0736Z
RA2FB       14091  at  1222Z
TA2DE       14089  at  1332Z
YS/WD4IFN   21083  at  1517Z
KE0YG/TF    28116  at  1619Z
YA0RR        7089  at  2212Z  QSL/Note

Monday 7:
UV1AT       14084  at  1259Z  QSL
TU2BB       21074  at  1307Z  ARQ
V85EB       14087  at  1347Z
YS7OB       28084  at  1435Z
```

3B9FR	14088	at	1636Z	
XX9LF	14086	at	1737Z	

Tuesday 8:

9X5LJ	14073	at	0450Z	ARQ
UC2OF	14087	at	0643Z	
V51P	21084	at	1715Z	
ZD9BV	21083	at	1759Z	
F6BJY/TN8	14092	at	1828Z	Note
5R1RPN	21083	at	2133Z	
V85GA	14076	at	2255Z	ARQ
UW0FZ	21091	at	2346Z	QSL

Wednesday 9:

9X5LJ	14078	at	0010Z	ARQ
J73EN	14084	at	0054Z	
A92FG	14074	at	0554Z	ARQ
VP2E/N2FBR	14083	at	1315Z	
UL7LR	14085	at	1505Z	QSL
3B9FR	14088	at	1540Z	
ZD9BV	21084	at	1755Z	
UW0FZ	21091	at	2344Z	

Thursday 10:

VR6WH	14084	at	0126Z	
UW0LZ	14091	at	0234Z	
9X5LJ	14071	at	0238Z	ARQ
UI8FM	14089	at	0257Z	
NP2N	14086	at	0357Z	

Continued in part 3.

```
/EX
SB RTTYDX @ ALLBBS $RTDX0111C
```

RTTY DX Notes 3of3 1/11/91

RTTY DX Notes for week ending 11th January 1991
BID: $RTDX0111C
Part 3 of 3.

QSL Information:

YS/WD4IFN, Herman, says that the QSLS go to Herman H. Franke, U.S. Embassy, APO Miami, FL 34023 USA.

V73BN says to QSL to his old call of KX6DC.

YA0RR will QSL for RTTY contacts to UT5RP Box 300, Odessa 270000, Ukraine, USSR. Make sure that you hide the return postage.

UV1AT goes to Box 200, Leningrad, 198328 USSR.

UW0FZ collects his cards from Box 140 Uzhno-Sahkalinsk City, 693000

USSR.

UL7LR QSLS via Box 97, Dzhetygara 459430, Kazakh, USSR.

Notes of Interest:

The correctness of the 7 MHz contact with YA0RR cannot be verified at this time, but Romeo has stated that they will be on RTTY as of this Friday 11th, and hope to have a new aerial as well. They are still in Kabul where they hope to stay. They hope to operate RTTY at regular intervals.

F6BJY/TN8 called CQ and then dissapeared on his first effort, but later came up and said that he did not have a legitimate license, but had applied for one, so the usual applies. WFWL.

This bulletin is edited for packet from notes written by VK2SG, and relayed by Tad, KT7H @ N7HFZ.WA.USA.NA.
/EX
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From -5905675251625817171
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a5e40a6ea679ab8e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-13 03:35:07 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcuhb!hpscdc!rkarlqu
From: rkarlqu@hpscdc.scd.hp.com (Richard Karlquist)
Newsgroups: rec.ham-radio
Subject: Re: Piccolo
Message-ID: <5490114@hpscdc.scd.hp.com>
Date: 13 Jan 91 02:26:51 GMT
References: <1y6cV1w163w@tosspot>
Organization: Hewlett-Packard, Santa Clara Div.
Lines: 4

Can anyone refer me to articles about the PICCOLO system?

Rick N6RK   rkarlqu@hpscdc.scd.hp.com

From 3621089421283464597
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a9716f7f1a9cde38

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-13 06:21:41 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!funic!hks
From: hks@nic.funet.fi (Harri Salminen)
Newsgroups: rec.ham-radio
Subject: Re: HT with tone burst and CTCSS tone
Message-ID: <1991Jan13.140159.1011@nic.funet.fi>
Date: 13 Jan 91 14:01:59 GMT
References: <5548@feldspar2.UUCP>
Reply-To: hks@funet.fi
Organization: Finnish University & Research Network
Lines: 26

I'm not sure about the easiness of finding CTCSS as standard in most European HT's but at least my new Alinco DJ-560 Twin Band HT has as standard features CTCSS encoding and decoding (for tone squelch), 1750Hz repeater tone, dmtf encoding & decoding (code squelch & pager), different channel steps (didn't you use 20Khz instead of the 25Khz we do?), fully programmamble offsets, dual receivers (nice with stereo headphones) and many others. I suppose the same unit is sold in US too, since it seems that it's just matter of different default settings in software. Maybe I'll come someday over the pond to test the US compatibility... At least I think DJ-560 is worth looking for even if it doesn't have alarm clock, CAT interface, battery level indicator or SSB (which I haven't seen in any HT yet). At least it's available here now and gives good value for your money especially if you look for twin bands and global usability...

Harri

--
Harri K Salminen - Finnish University & Research Network project
hks@funet.fi, LK-HS at FINHUTC, tut!hks, OPMVAX::hks, OH2LGE@OH2RBI
FUNET c/o VTKK/TLP, PL 40, 02101 Espoo, Finland - +358-0-4572288
"Virtually, I don't work, I just netWORK :-)"

From -1047784494793248826
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-13 09:31:08 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Rigs for beginners? (Was Re: Comments needed...)
Message-ID: <1955@ke4zv.UUCP>
Date: 13 Jan 91 17:31:08 GMT
References: <2992@ux.acs.umn.edu> <7880412@hpfcdc.HP.COM>

Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 64

In article <7880412@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>>>I myself am interested in any comments that you people may have on Icom's
>>>725, 726, and 735 models. How is the performance on these beasts? How easy
>>>are they to use? Things like that.
>>>
>>>I'd love to hear anything that you all may have to say on this.
>>
>>I've posted extensively on this before so I'll try to keep this short. :-)
>>
>>[stuff deleted]
>>
>>Gary KE4ZV
>
>
>By casually looking at the HRO spec sheet, the FT-757 appears to have more
>features than the IC-735. I must be missing something that the spec sheet
>doesn't divulge.
>
>I'm looking for an exceptional receiver, including passband tuning (some
>call it IF Shift),and a built-in CW keyer. The 757 has this, but the
>735 does not. Is the 735 better because it has a better receiver, which
>is a highly-weighted criterion ?
>
>Perry / KF0CA

The 735 has PBT, and an IF notch filter, and a built-in keyer is an option. Icom offers several filter triplet options for this rig. All the Icom filters have excellent shape factors. The widest filter is for FM and is not replaceable. It is always in circuit. There are three choices for high IF and low IF filters available. You can only have two of these pairs in the radio at once. One pair for SSB and the other for CW/digital. I'm using the extra sharp SSB pair and the 500 Hz CW pair. The 200 Hz CW pair is too narrow for my RTTY and Packet work. They'd be fine for a dedicated CW operator. The receiver *is* better and the construction is *much* better. The heatsink design for the transmitter is superb. It really takes some doing to get this radio hot. And the blower is very quiet when it does kick on.

The hardest thing to describe, but the best feature of the radio, is how the control system operates. You really have to sit down and *use* this radio for a while to appreciate how well thought out it is. I've used this radio for six months now and it is the first rig that hasn't tempted me to go back and fire up the Drake R4C to pull the weak ones out of the crud. I've owned Collins, Drake, TenTec, Kenwood, Yaseu, and Icom radios over the years and they all have their strong points, but this little radio has truly impressed me. The IC765, the IC781, and the TS950 may each edge the IC735 out in one category or another, but overall the 735 wins for portablility, and cost/performance, while not sacrificing much in any other area.

It's a rugged *little* beast with a marvelous receiver and a truly bullet proof transmitter as well as the finest control system that I've ever used.
I totally disassembled the radio the day after I got it. It's very nicely modularized and I have every confidence that I can repair it if it ever needs to be fixed. It's compact, but every part is accessible to someone equipped to do modern pc board repair. The quality of the circuit boards and connectors surpasses much of the broadcast equipment that I work on every day. The modules hinge out in such a way that you can get a scope probe on any circuit point without disabling the radio.

I tend to trade radios *a lot* and the fact that I'm still singing the praises of this rig after six months is strong testimony that I think this is a real winner.

Gary KE4ZV

From 8232270661533729371
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ccd94040315cfee1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-13 10:09:51 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Radio Shack Bashing
Message-ID: <1957@ke4zv.UUCP>
Date: 13 Jan 91 18:09:51 GMT
References: <9101111518.AA29048@ucsd.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 25

In article <9101111518.AA29048@ucsd.edu> RTDIMO%GOR1@LEAV-EMH.ARMY.MIL (Larry Carr) writes:
>I don't shop much at RS because of the problems discussed here. But RS is
>not the only store that is in the dark ages when it comes to dealing with
>customers. I was in Sears the other day trying to purchase a pair of pants.
>When I tried to use my MAJOR credit card I was told they only take Sears
>credit card, check or cash. I had no cash, my sears credit card was at home,
>so I wrote a check. For ID the cashier asked for my drivers license and a
>MAJOR credit card. She then proceeded to write down my credit card number
>on the check, with my drivers license number. I didnt think about it till
>later, but they could use my credit card number to commit fraud, even though
>my check is good. Now I remember why I never shop at Sears, they are still
>in the dark ages of modern finance. Go to the local grocery store or
>Walmart and they run your card (just about any card) through a slot,
>the register prints your receipt, and you are on your way.

Boy, your Sears clerk is the one in the dark ages. Sears has been accepting just about any major credit card, except American Express, for a couple of years now. *My* local Sears store will take about anything that reeks of money with a smile. They also have point of sale scanners and will debit your Instant Teller card if you like. They're serious about stopping the decline in sales that they've suffered. Contact your store's manager and ask why the clerks aren't aware of Sears' two year old policy of taking anything that makes the register go ka-ching.

Gary KE4ZV

From 2718005402386432332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,320be9ed02d7ec4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-13 10:50:29 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!BGUVMS.BITNET!RAFI
From: RAFI@BGUVMS.BITNET
Newsgroups: rec.ham-radio
Subject: VIDEO LINE SELECTOR
Message-ID: <9101131841.AA11617@ucsd.edu>
Date: 13 Jan 91 18:26:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9

Would appreciate the assistance of fellow hams in trying to locate a source for a few LM 1881 video line selector IC's. The name and fax number of a firm that stocks them would be a great contribution to the advancement of microwave video technology in the middle east.

Thanks in advance and 73

Earl 4Z4TJ
please reply to Bitnet%"Rafi@BGUVMS"

From -6225384697710556889
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,528b764f2711a0a3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-13 12:13:32 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Homebrewing.
Summary: huh??? No voice modes on 160?
Message-ID: <776@ssc.UUCP>
Date: 13 Jan 91 20:13:32 GMT
References: <10.Jan.91.13:19:37.GMT.#9701@UK.AC.NWL.IA>
<1991Jan12.015801.27509@NCoast.ORG>
Organization: very little
Lines: 20

In article <1991Jan12.015801.27509@NCoast.ORG>, allbery@NCoast.ORG (Brandon S. Allbery KB8JRR) writes:

```
>
> Must be nice to be able to use AM on 160... voice isn't allowed on it in the
> USA.  (What's the FCC's rationale behind this, BTW?)

WHAT?  When did the FCC ban voice modes on 160?

Boy, wreck.ham-raydio is a GREAT source of information....

:)


Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP


From 8897923150880204581
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f3eebea1e952fbbf,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7ae93376eea940c6
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-13 12:15:07 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!apple!autodesk!catnip!bandy
From: bandy@catnip.berkeley.ca.us (Gun Control is Hitting Your Target)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: If you hate their flyers, then WHY do you shop there?
Message-ID: <1071@catnip.berkeley.ca.us>
Date: 13 Jan 91 18:02:40 GMT
References: <iZPmV3w163w@dorsai.com>
Followup-To: rec.radio.shortwave
Organization: The People's Number Four Cat Farm, Berkeley CA, USA
Lines: 4
Xref: gmdzi rec.radio.shortwave:3504 rec.ham-radio:19294

One has to wonder why....
--
real address: bandy@catnip.berkeley.ca.us
last choice:  lll-winken!catnip.berkeley.ca.us!bandy


From 6936468729590885 9
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76489b0e31b4a973,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-13 13:55:20 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!magnus.ircc.ohio-state.edu!
rdixon@magnus.ircc.ohio-state.edu
```

From: Bob_Dixon@osu.edu
Newsgroups: rec.ham-radio
Subject: Standard 12V DC Connectors
Message-ID: <CMM.0.88.663802576.rdixon@magnus.ircc.ohio-state.edu>
Date: 13 Jan 91 21:36:16 GMT
Sender: Bob Dixon <rdixon@right.magnus.ircc.ohio-state.edu>
Reply-To: Bob_Dixon@osu.edu
Organization: The Ohio State University
Lines: 10
Originator: daemon@right.magnus.ircc.ohio-state.edu
Nntp-Posting-Host: right.magnus.ircc.ohio-state.edu

Our local ARES group standardized on 2-pin Cinch-Jones connectors for
12 VDC power about 20 years ago. These are available at Radio Shack, ham
fests etc and are quite common. This was also publicized in QST several
years ago. The small pin is the hot one, and of course the female connector
is used for the power supply side. Everyone here cuts off whatever DC cable
is provided by the rig manufacturer, and then splices it back together
with a pair of these connectors. That means that all supplies and equipment
are interconnectable.

Bob Dixon W8ERD

From 273573053579694396
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e724d6ea41b2e3ea
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-13 14:08:37 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Summary: ham radio service
Message-ID: <768@ssc.UUCP>
Date: 12 Jan 91 23:28:30 GMT
References: <19917.799.7009@canrem.uucp>
<1991Jan8.154536.29053@midway.uchicago.edu>
Organization: very little
Lines: 27

In article <1991Jan8.154536.29053@midway.uchicago.edu>, pbhx@midway.uchicago.edu
(Peter B. Hayward) writes:
> In article <19917.799.7009@canrem.uucp> greg_trice@canrem.uucp (greg
> trice) writes:
> > What I'd really like to see is some licensing incentive to use homebrew
> > equipment. Perhaps choice frequencies where commercial equipment is
> > banned (but how would you enforce it?) Or a new grade of license to get
> > which you had to show competence in design and construction of a useful
> > piece of ham equipment.
> >

> > Anybody else have any suggestions?
>
> How about special lanes on the interstates for people who build their
> own cars?
>

So you see ham radio from merely a utilitarian viewpoint, as in commuting
to work, or say, the land mobile radio service?

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 7751336384945928062
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76489b0e31b4a973
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-13 15:41:05 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!cica!bronze!
commgrp@silver.ucs.indiana.edu
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: Standard 12V DC Connectors
Message-ID: <1991Jan13.230743.2733@bronze.ucs.indiana.edu>
Date: 13 Jan 91 23:07:43 GMT
Sender: daemon@bronze.ucs.indiana.edu (Mr Background)
Organization: Indiana University
Lines: 21

>Our local ARES group standardized on 2-pin Cinch-Jones connectors for
>12 VDC power about 20 years ago. These are available at Radio Shack, ham
>fests etc and are quite common. This was also publicized in QST several
>years ago. The small pin is the hot one, and of course the female connector
>is used for the power supply side... That means that all supplies and
>equipment are interconnectable.
>--
>Bob Dixon W8ERD

Rescue squads in the DC and Virginia area use the same standard. They
have also standardized upon Larsen-type mobile antenna mounts.

Two-pin Jones plugs are nonideal because they fall apart easily unless
tied or taped. The ones from Radio S*** are made of thermoplastic,
and may melt from too much current.

The ultimate adapter is wire cutters and tape.

--

Frank   W9MKV   reid@ucs.indiana.edu

From 8452350133236992204
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9db0794c573ac9f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-13 17:36:11 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!rochester!pt.cs.cmu.edu!dsl.pitt.edu!km
From: km@dsl.pitt.edu (Ken Mitchum)
Newsgroups: rec.ham-radio
Subject: Re: Transverter sources (Microwave Modules?)
Message-ID: <1991Jan14.013611.21504@dsl.pitt.edu>
Date: 14 Jan 91 01:36:11 GMT
References: <10076@pasteur.Berkeley.EDU> <1991Jan10.135625.23237@dgbt.doc.ca>
Sender: news@dsl.pitt.edu (Usenet News System)
Reply-To: km@cadre (Ken Mitchum)
Organization: Decision Systems Laboratory, Univ. of Pittsburgh, PA.
Lines: 23
Nntp-Posting-Host: cadre.dsl.pitt.edu

>This info is a bit out of date, I'm afraid. I believe that Hans has shut
>down this operation (which was a one-man shop). However, a company called
>Sinclabs (associated with Sinclair Radio, a manufacturer of commercial
>antennas, duplexers, etc) is now marketing a line of transverters based on
>Hans' design. So far they only have 28/144 and 28/220 models, with a 70 cm
>unit coming soon. I don't have the address handy right now, but they've had
>ads in most of the recent ham mags.
>
>Barry VE3JF
>

Yes. I recently bought one of their 28/220 models. It appears nearly
identical to the Microwave Modules model. Their address is:.

Sinclabs Inc.
Specialty Products Division
85 Mary Street
Aurora, Ontario,
Canada
L4G 3G9

Ken Mitchum KY3B
km@cs.pitt.edu

From -2014437605398197617
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64ca997105d4df4b,start

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-13 18:14:32 PST
Path: gmdzi!unido!mcsun!uunet!zaphod!swrinde!elroy.jpl.nasa.gov!ncar!asuvax!
stjhmc!p19.f13.n720.z6.fidonet.org!Sanwei.Wung
From: Sanwei.Wung@p19.f13.n720.z6.fidonet.org (Sanwei Wung)
Newsgroups: rec.ham-radio
Subject: Rigs For Beginners?  (was Re: Comments Needed...)
Message-ID: <34930.279117BD@stjhmc.fidonet.org>
Date: 14 Jan 91 02:14:32 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 6:720/13.19 - MODEM WAY, Taipei TAIWAN
Lines: 20
```

> I myself am interested in any comments that you people may have on Icom's
> 725, 726, and 735 models. How is the performance on these beasts? How easy
> are they to use? Things like that.

Hi, I use the IC-725. I found it is very good for a beginner. Since it has not very special functions and easy to use. And it can transmite form 30KHz to 33MHz if you change the diode of control part. If you want to use FM mode, you must buy a optional for it. IC-725 is enough to beginners and you maybe change rig in the futher, it will be you best choice. The one of all reasons is not expansive. Hope the information is useful to you.

73

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!6!720!13.19!Sanwei.Wung
Internet: Sanwei.Wung@p19.f13.n720.z6.fidonet.org

```
From -5608301449105694680
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f98258b34a3965d3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-13 19:22:38 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!rpi!uwm.edu!linac!att!
rutgers!netnews.upenn.edu!dsinc!unix.cis.pitt.edu!pitt!cuphub!rpf
From: rpf@cuphub.cup.edu
Newsgroups: rec.ham-radio
Subject: Broadcast Engineering Boards
Message-ID: <13847@cuphub.cup.edu>
Date: 13 Jan 91 11:37:04 GMT
Organization: California University of Pennsylvania, California, PA
Lines: 4
```

Does anyone know of a gateway to the Broadcast Engineering Boards (BBS)?

Richard Filchock, K3LTY

rpf@cuphub.cup.edu

From 3797543426730803335
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,65b0e341a05695f4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,65b0e341a05695f4,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-14 01:20:43 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!rpi!bu.edu!wang!tosspot!lee
From: lee@tosspot (Lee Reynolds)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: NRD-525 Control program needed.
Message-ID: <3moqV2w163w@tosspot>
Date: 14 Jan 91 01:00:13 GMT
Organization: Ludus Associates Incorporated
Lines: 20
Xref: gmdzi rec.ham-radio:19299 rec.radio.shortwave:3507

Hi all.

(I think my earlier posting was lost (OS upgrade here) so, hopefully, this is not a repeat.)

I am looking for comments and recommendations for control programs for the NRD-525 receiver (to run umder MSDOS).

I have a couple that I am experimenting with. One is called NRDGUI and looks to be a very nicely thought out job indeed. The thins is, I can't get it to work. I downloaded it from HAMNET on CI$, but it had no docs and it has since vanished completely from CI$' libraries so I can't track down the author. Anyone know anything about this one?

DATACOM - anyone using that?
What's it like?

All suggestions welcome,
thanks,
Lee.

From -7111767623226563372
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e59ce10dea457aef,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 01:24:19 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!HICKAM-EMH.AF.MIL!1843eie
From: 1843eie@HICKAM-EMH.AF.MIL ("1843rd EI Group")
Newsgroups: rec.ham-radio
Subject: Club Meetings/Nets in Oklahoma City

Message-ID: <9101140256.AA13216@uunet.UU.NET>
Date: 14 Jan 91 02:56:10 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 29
X-Unparsable-Date: 13 Jan 91 16:50:00 GMT-10:00

INTEROFFICE MEMORANDUM

Date: 13-Jan-1991 16:47 HST
From: 1843rd EI Group
1843EIE
Dept: 1843 EIG/EIE
Tel No: DSN 315-456-1158

TO: Remote Addressee (_INFO-HAMS%UCSD.EDU@UUNET.UU.NET)

Subject: Club Meetings/Nets in Oklahoma City

Greetings all,

Just arrived in Oklahoma City this evening (all right, 0000Z 14 Jan) with HT and Repeater Directory in hand hoping to make some new friends...alas, it came to pass that the trusty ol' TH-215A forgot to put itself on the charger before I left :-), so it's dead as a doornail. So...while it's on its 14hr revival kick, could some kind soul(s) tell me if there are any club meetings or scheduled 2m nets in the OKC area this week (now until 20 Jan, inclusive)? Thanks much...e-mail replies please, I feel bad enuff putting this on the list.

73,
Jeff Miller WD6CQV/KH6 (uh, temporarily /5)
1843eie"at"HICKAM-EMH.AF.MIL

From -353816800927411541
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fb9075d5997ba62,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 01:53:33 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!hellgate.utah.edu!fcom.cc.utah.edu!cc.utah.edu!cc.usu.edu!fatha
From: fatha@cc.usu.edu
Newsgroups: rec.ham-radio
Subject: MODS for Kenwood TM-941
Message-ID: <1991Jan13.120646.46646@cc.usu.edu>
Date: 13 Jan 91 18:06:46 GMT
Lines: 10

I am looking for MOD information on the Kenwood TM-941 Tri-band radio.

Supposedly there are mods for out of band operation and also for cross band repeat. I have not been able to track them down so far. If anyone has information as to how I can find them I would appreciate hearing from you.

Thanks;

Paul Israelsen - KB7LJC
.

From -8583604713830548056
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e52726475a121392,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 01:57:33 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: SOLAR TERRESTRIAL FORECAST AND REVIEW
Message-ID: <910113232933.272002df@HG.ULeth.CA>
Date: 14 Jan 91 06:29:33 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 439

--- SOLAR TERRESTRIAL FORECAST AND REVIEW ---
January 13 to January 22, 1991

Report Based In-Part from Data Obtained from the
Space Environment Services Center
Boulder Colorado

SOLAR TERRESTRIAL REVIEW FOR 06 JANUARY TO 12 JANUARY.

Solar activity over the past week ranged from low to moderate. The early part of the week proved to be the most energetic, with Regions 6444 and 6447 providing the majority of M-class flare events. These regions have decreased in flare output over the past several days, yet remain capable of spawning M-class flares. Region 6444 is the largest region on the disk at the present time. Its size is a respectable 4,740 million square kilometers. It encompasses a moderately complex magnetic region classed as a beta-gamma configuration. There are presently 69 sunspots associated with this region, which has remained relatively stable this week. This region could become capable of spawning major energetic flares. It has the size, the sunspot complexity and the magnetic capabilities, but the low levels of flare activity which have been observed since it's appearance on the east limb would seem to indicate that its present inactive state will continue. The penumbral extent of this region is impressive when viewed in white light. This region will be observed closely for signs of increased flare production.

Region 6447 is the next-largest region on the disk, but is dwarfed by Region 6444 by 3,870 million square kilometers. However, it has produced some frequent C-class flaring and has now become the most prolific flare producer currently on the solar disk. It consists of 29 sunspots arranged in a Beta magnetic configuration. This region has changed very little over the past several days. No significant growth or decay has been noted.

The intense stratospheric warming continues over Europe. The warming is associated with a strong anticyclone. The warming is now spreading from Europe towards the east. The stratospheric warming could begin to weaken this week. The stratospheric warming alert should continue, however, for the next 4 to 7 days.

Geomagnetic activity became more active this week in what is thought to be a response to an equatorial solar coronal hole which passed the central meridian earlier this week. Brief periods of low-intensity minor storming were observed over high latitudes on 12 and 13 January. Some middle latitude locations also experienced brief periods of minor storming.

The increased solar corpuscular emissions spawned auroral activity that was visible over high and northerly middle latitudes on 12 and 13 January. Activity was moderate over high latitudes, and became mostly low with occassional periods of moderate activity over northerly middle latitudes. Also of special note were the two chemical releases which produced small artificial auroras on 13 January at 02:17 UT and 07:05 UT. The next chemical release will be a Barium release and is scheduled to occur at 04:12 UT on 15 January.

HF radio propagation conditions have been very good this past week. Enhanced ionizing solar radiation over the past week has enhanced MUF's by as much as 20% higher than expected. However, the early to mid part of the week contained occassional disruptions due to solar flare activity on the sunlit side of the earth. High latitudes experienced degraded conditions due to the increased auroral and geomagnetic activity on 12 and 13 January, but conditions have quickly returned to normal.

VHF propagation conditions this week were normal. No significant periods of enhanced or degraded conditions occurred this week. Some 6 meter openings may have been possible over some locations this week due to the enhanced MUF's.

SHORT TERM SOLAR TERRESTRIAL FORECAST

Solar activity is expected to remain low to moderate over the next week. Regions 6444 and 6447 will continue to produce C-class and isolated M-class flares. Region 6444 could also produce a major flare if it begins to develope or decay over the next week. These two regions are the only two regions capable of producing any significant activity. They will be observed closely for signs of developement. The solar indices should begin to fall this week, having peaked at the predicted level of 220 on 10 January.

Geomagnetic activity should return to quiet levels by 14 or 15 January over most latitudes. Activity should remain predominantly quiet with occassional unsettled periods throughout the coming week. No storm periods are anticipated, barring any significant solar activity.

Auroral activity will likewise return to dormant levels over the coming week. No significant activity is expected over low, middle or high latitudes this week (again, barring any significant solar activity).

HF radio propagation conditions will be very good early in the period, with excellent potential for DX. This potential and the quality of DX will decay, however, as the week progresses due to the expected decline of ionizing solar radiation. The chemical releases will have no effect on the quality of HF propagation conditions. However, any curious anomalies should be reported to std_oler@hg.uleth.ca.

VHF propagation conditions will be normal this week. No significant opportunities for DX are expected this week. SID enhancements may be noticed over sunlit areas, particularly during periods of M-class flaring. SID enhancements will be short-lived, and of minor intensity unless major flaring develops. No auroral backscatter communications will be possible this week.

SUMMARY OF ALL ACTIVE REGIONS VISIBLE ON THE SOLAR DISK AS OF 13 JANUARY

Region #	Location	LO	Area	Class	LL	Spots	Magnetic Type
6437	S16W75	096	0000	AXX	00	001	ALPHA
6444	N15E02	019	4740	FKO	22	069	BETA-GAMMA
6446	N08W29	050	0030	BXO	04	004	BETA
6447	S07E35	346	0870	EAO	15	029	BETA
6448	S34W44	065	0120	CSO	06	006	BETA
6450	N13W19	040	0000	AXX	02	004	ALPHA
6451	N14W25	046	0120	CSO	07	008	BETA
6452	S20E41	340	0180	CAO	05	008	BETA
6453	S13E31	350	0000	AXX	01	002	ALPHA

NOTES: Area is in million square kilometers. Angular extent (LL) and solar longitude (LO) are in degree's. For more information regarding the terminology used above, request the Glossary of Solar Terrestrial Terms from: "std_oler@hg.uleth.ca".

H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AS OF 24:00 UT ON 13 JANUARY.

REGION	LOCATION	LO	COMMENTS (IF ANY)
6438	S11W55	076	NONE
6449	S23W26	047	

ACTIVE REGIONS DUE TO RETURN BETWEEN 14 AND 16 JANUARY

Region	Latitude	Longitude (Helio.)
6420	S26	251
6423	S21	260
6424	S10	254

NOTES:
For definitions regarding the above, request the "Glossary of Solar Terrestrial Terms" from "std_oler@hg.uleth.ca".

GRAPHICAL ANALYSIS OF RECENT PLANETARY (GLOBAL) GEOMAGNETIC ACTIVITY

```
                  Cumulative Geomagnetic Activity History
        Peak Planetary Geomagnetic Activity during the past 96 hours

     ____________________________________________________________________
    |  EXTREMELY SEVERE |        |        |        |        | VERY HIGH! |
    | VERY SEVERE STORM |        |        |        |        | HIGH       |
    |      SEVERE STORM |        |        |        |        | MODERATE   |
    |       MAJOR STORM |        |        |        |        | LOW - MOD. |
    |       MINOR STORM |        |        |        |        | LOW        |
    |       VERY ACTIVE |        |        |        |  *     | NONE       |
    |            ACTIVE |   *    |    **  |    *   |  ** *  | NONE       |
    |         UNSETTLED |  ** ***|* ******| *******|********| NONE       |
    |             QUIET |********|********|********|********| NONE       |
    |        VERY QUIET |********|********|********|********| NONE       |
    |-------------------|--------|--------|--------|--------|------------|
    | Geomagnetic Field |  Thu.  |  Fri.  |  Sat.  |  Sun.  |  Anomaly   |
    |    Conditions     |     Given in 3-hour intervals     | Intensity  |
    |____________________________________________________________________|
```

NOTES:
The data above represents planetary geomagnetic activity. Data from many magnetic observatories around the world are used in constructing the above chart. The first graph line for each day represents geomagnetic activity which occurred between 00 UT and 03 UT. The second graph line represents activity which occurred between 03 UT and 06 UT, etc. For information regarding the interpretation and/or use of these charts, send a request for the document "Understanding Solar Terrestrial Reports" to: std_oler@hg.uleth.ca.

PLANETARY 10-DAY GEOMAGNETIC ACTIVITY OUTLOOK (13 JANUARY - 22 JANUARY)

```
    ________________________________________________________________________
   |  EXTREMELY SEVERE |   |   |   |   |   |   |   |   |   |   | VERY HIGH! |
   | VERY SEVERE STORM |   |   |   |   |   |   |   |   |   |   | HIGH       |
   |      SEVERE STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MAJOR STORM |   |   |   |   |   |   |   |   |   |   | LOW - MOD. |
   |       MINOR STORM |   |   |   |   |   |   |   |   |   |   | LOW        |
   |       VERY ACTIVE |   |   |   |   |   |   |   |   |   |   | NONE       |
   |            ACTIVE |   |   |   |   |   |   |   |   |   |   | NONE       |
   |         UNSETTLED |***| * |   |   | **| * |   |   |  *|***| NONE       |
   |             QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |        VERY QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |-------------------|---|---|---|---|---|---|---|---|---|---|------------|
   | Geomagnetic Field |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|  Anomaly   |
   |    Conditions     |       Given in 8-hour intervals       | Intensity  |
   |________________________________________________________________________|
```

NOTES:
Predicted geomagnetic activity is based heavily on recurrent phenomena. Transient energetic solar events cannot be predicted reliably over periods in excess of several days. Hence, there may be some deviations from the predictions due to the unpredictable transient solar component.

GRAPHICAL ANALYSIS OF SOLAR ACTIVITY OVER THE PAST 60 DAYS

```
                   Cumulative Graphical Analysis of
                           Solar Activity
    ____________________________________________________________
249|                                                            | MOD.
242|  F = Major Flare(s)                                        | MOD.
235|                        *FFF                                | MOD.
229|                       **FFF                                | MOD.
222|  *                  ****FFF                                | MOD.
215|  *                 *****FFF*                          **   | MOD.
208|***                 *****FFF*    *                    ****  | MOD.
201|****               F*****FFF**   *                   ****** | MOD.
195|*****              F*****FFF*** ***       * **       *******| MOD.
188|******            *F*****FFF******* * FF*F****       *******| LOW
181|********         **F*****FFF*********FFF*F*******   ********| LOW
174|*********       ***F*****FFF*********FFF*F*******  *********| LOW
167|***********  * ****F*****FFF*********FFF*F******************| LOW
161|***********  ******F*****FFF*********FFF*F******************| LOW
154|***********F*******F*****FFF*********FFF*F******************| LOW
    ------------------------------------------------------------
               Cumulative 60 day Solar Activity Record
                   Start Date:  November 15, 1990
```

NOTES:
Left-hand column digits represent the 10.7 cm solar radio flux obtained from Ottawa. The right-hand column describes the relative solar activity for that period based on the average number of major and minor flares that can be expected for related solar flux values. Plot lines labeled with the letter "F" represent days where at least one major flare occurred (ie. class M5 or greater flare).

GRAPHICAL 20-DAY SOLAR ACTIVITY PREDICTION

```
                           Solar Activity
 _________________________________________________________________
| 229 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 223 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 216 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 209 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 202 |  |  |**|**|**|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 195 |**|**|  |  |  |**|  |  |  |  |  |  |  |  |  |  |  |  |**|**|
| 188 |  |  |  |  |  |  |**|  |  |  |  |  |  |  |  |  |  |**|  |  |
| 181 |  |  |  |  |  |  |  |**|  |  |  |  |  |  |  |  |**|  |  |  |
| 174 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |**|  |  |  |  |
| 168 |  |  |  |  |  |  |  |  |**|  |  |  |  |  |  |  |  |  |  |  |
| 161 |  |  |  |  |  |  |  |  |  |**|  |  |  |  |**|  |  |  |  |  |
| 154 |  |  |  |  |  |  |  |  |  |  |**|  |  |**|  |  |  |  |  |  |
| 147 |  |  |  |  |  |  |  |  |  |  |  |**|**|  |  |  |  |  |  |  |
|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|Solar|13|14|15|16|17|18|19|20|21|22|23|24|25|26|27|28|29|30|31|01|
|Flux |                       January                          |  |
 -----------------------------------------------------------------


HF RADIO SIGNAL PROPAGATION PREDICTIONS (13 JANUARY - 22 JANUARY)

                              High Latitude Paths

            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |   |   |   |   |   |   |   |   |   |   |
           |           GOOD |   |   |   |   |   |   |   |   |   |   |
           |           FAIR |  *| **| **|  *|  *| **|***|***|* *|  *|
           |           POOR |** |*  |*  |** |** |*  |   |   | * |** |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------

                             Middle Latitude Paths

            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |***|***|***|***|* *|* *|* *|* *|* *|  *|
           |           GOOD |   |   |   |   | * | * | * | * | * |** |
           |           FAIR |   |   |   |   |   |   |   |   |   |   |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------

                                Low Latitude Paths

            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |***|***|***|***|* *|* *|* *|* *|* *|* *|
           |           GOOD |   |   |   |   | * | * | * | * | * | * |
           |           FAIR |   |   |   |   |   |   |   |   |   |   |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------

NOTES:
       High latitudes >= 55       degree's north latitude
     Middle latitudes >= 40 < 55  degree's north latitude
        Low latitudes  < 40       degree's north latitude



POTENTIAL VHF DX PROPAGATION PREDICTIONS (13 JANUARY - 22 JANUARY)
   INCLUDES SID AND AURORAL BACKSCATTER ENHANCEMENT PREDICTIONS

                   HIGH LATITUDES
 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   |   |   |   |   |   |   |   | 20%| | |*|*|*|*|*|*|*|*|
|    NORMAL|***|***|***|***|***|***|***|***|***|***| 40%| | | | | | | | | | |
|BELOW NORM|   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% |   |   |   |   |   |   |   |   |   |   | 40%| | | | | | | | | | |
|      20% |* *|* *| * | * | * | * | * | * |***|***| 20%|*|*| | | | | | |*|*|
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|


                  MIDDLE LATITUDES
 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   |   |   |   |   |   |   |   | 20%|*|*|*|*|*|*|*|*|*|*|
|    NORMAL|***|***|***|***|***|***|***|***|***|***| 40%|*|*|*|*|*|*|*|*|*|*|
|BELOW NORM|   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% |   |   |   |   |   |   |   |   |   |   | 40%| | | | | | | | | | |
|      20% | * | * | * | * | * | * | * | * | * | * | 20%| | | | | | | | | | |
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|
```

```
                    LOW LATITUDES

 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   |   |   |   |   |   |   |   | 20%|*|*|*|*|*|*|*|*|*|*|
|    NORMAL|***|***|***|***|***|***|***|***|***|***| 40%|*|*|*|*|*|*|*|*|*|*|
|BELOW NORM|   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% |   |   |   |   |   |   |   |   |   |   | 40%| | | | | | | | | | |
|      20% | * | * | * | * | * | * | * | * | * | * | 20%| | | | | | | | | | |
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|
```

NOTES:

These VHF DX prediction charts are defined for the 50 MHz to 220 MHz bands. They are based primarily on phenomena which can affect VHF DX propagation globally. They should be used only as a guide to potential DX conditions on VHF bands. Latitudinal boundaries are the same as those for the HF predictions charts. For more information, request the document "Understanding Solar Terrestrial Reports" from: "std_oler@hg.uleth.ca".

AURORAL ACTIVITY PREDICTIONS (13 JANUARY - 22 JANUARY)

```
                               High Latitude Locations

                       ________________________________________________________
                      | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
|      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
|           HIGH |   |   |   |   |   |   |   |   |   |   |
|       MODERATE |   |   |   |   |   |   |   |   |   |   |
|            LOW | * | * |   |   | * | * |   |   | * | * |
|    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
|----------------|---|---|---|---|---|---|---|---|---|---|
|    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
|   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
 --------------------------------------------------------

              Middle Latitude Locations

 ________________________________________________________
| EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
|      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
|           HIGH |   |   |   |   |   |   |   |   |   |   |
|       MODERATE |   |   |   |   |   |   |   |   |   |   |
|            LOW |   |   |   |   |   |   |   |   | * | * |
|    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
|----------------|---|---|---|---|---|---|---|---|---|---|
|    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
|   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
 --------------------------------------------------------

                 Low Latitude Locations

 ________________________________________________________
| EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
|      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
|           HIGH |   |   |   |   |   |   |   |   |   |   |
|       MODERATE |   |   |   |   |   |   |   |   |   |   |
|            LOW |   |   |   |   |   |   |   |   |   |   |
|    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
|----------------|---|---|---|---|---|---|---|---|---|---|
|    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
|   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
 --------------------------------------------------------
```

NOTE:

For more information regarding these charts, send a request for the document, "Understanding Solar Terrestrial Reports" to: std_oler@hg.uleth.ca.

** End of Report **

```
From -6382986952919298320
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2347289db5c69772,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 02:20:31 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!agate!ucbvax!HG.ULeth.CA!
std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
```

Subject: CHEMICAL RELEASE SUMMARY - NEXT SCHEDULED RELEASE
Message-ID: <910113202611.272002b5@HG.ULeth.CA>
Date: 14 Jan 91 03:26:11 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 47

/\/\/\/\/\/\/\/\/\/\/\/\/\

SPECIAL SOLAR TERRESTRIAL BULLETIN

Artificial Aurora Alert

14 January, 1991

/\/\/\/\/\/\/\/\/\/\/\/\/\

Successful chemical releases were accomplished on 13 January. The first release was a Barium payload that was released at 02:17 UT. The second release occurred later that evening at 07:05 UT. This second release was a large Lithium payload.

The first release was widely viewed throughout the continental U.S., Mexico, Central America, South America, Carribean, and Canada. The color was greenish, became moderately bright and attained a size near the size of the full moon. It then began to fade somewhat and formed a small curtain-type auroral pattern. It remained visible for between 5 and 10 minutes.

The second release was not as easily seen as the first apparition. Lithium produces a red colored aurora that does not remain visible as long as the Barium. Although this event was visible at the same locations as the Barium release, the intrinsic color, different location and shorter duration of the Lithium release prevented many people from viewing this latter event. For those who missed the Lithium release and would like another chance to view one, there will be two more releases of Lithium over the next 10 days or so. Bulletins will be posted when the times of the releases are known.

The next chemical release will occur on 15 January at 04:12 UT. This release will be a Barium release. It may be useful to note that these releases become visible at the times stated. You need a dark observing site to see them best (particularly the Lithium releases). Be careful when converting these times to local time. This next event occurring at 04:12 UT on 15 January does NOT occur on Tuesday evening. It occurs on the evening of 14 January over North and South America since the end of one UT day and the start of another occurs in the late afternoon/early evening hours. So, to be clear, this Barium release will occur at 12:12 am (12 minutes after midnight) AST, 11:12 pm EST, 10:12 pm CST, 9:12 pm MST, and 8:12 pm PST.

Again, for direct information regarding the status of these releases, call the number: (205) 544-5356.

** End of Bulletin **

From 7283824891983351671
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76489b0e31b4a973
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 02:30:11 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!usc!julius.cs.uiuc.edu!psuvax1!rutgers!ub!kitty!larry
From: larry@kitty.UUCP (Larry Lippman)
Newsgroups: rec.ham-radio
Subject: Re: Standard 12V DC Connectors
Summary: Use of midget Twist-Lock connectors
Message-ID: <4324@kitty.UUCP>
Date: 14 Jan 91 04:13:30 GMT
References: <1991Jan13.230743.2733@bronze.ucs.indiana.edu>
Organization: Recognition Research Corp., Clarence, NY
Lines: 35

In article <1991Jan13.230743.2733@bronze.ucs.indiana.edu>,
commgrp@silver.ucs.indiana.edu (BACS Data Communications Group) writes:

> >Our local ARES group standardized on 2-pin Cinch-Jones connectors for
> >12 VDC power about 20 years ago. These are available at Radio Shack, ham
> >fests etc and are quite common. This was also publicized in QST several
> >years ago. The small pin is the hot one, and of course the female connector
> >is used for the power supply side... That means that all supplies and
> >equipment are interconnectable.
>
> Two-pin Jones plugs are nonideal because they fall apart easily unless
> tied or taped. The ones from Radio S*** are made of thermoplastic,
> and may melt from too much current.

I have used (and recommended to others) midget Hubbell Twist-Lock 2-pin connectors which are rated at 15 amperes. This connector is robust, is clearly polarized, will *not* accidentally come apart, has no chance of accidentally being connected to 120 VAC, and is relatively inexpensive. This connector comes in several styles: cord male, cord female, panel-mount male, and panel-mount female. In addition, there are rubber boots available for cord connectors to assure raintight integrity. There are furthermore rubber end caps for use with the rubber boots so as to protect stored cables from water and dirt.

While one cannot find such connectors at a Radio Shack, they are readily available at any industrial or wholesale electrical distributor. Please bear in mind that I am referring to the "midget" Twick-Lock series, whose connector bodies are somewhat less than one inch in diameter.

> The ultimate adapter is wire cutters and tape.

To solve the most common "adapter problem", I have Twist-Lock adpaters to both male and female cigar lighter "connectors".

Larry Lippman @ Recognition Research Corp. "Have you hugged your cat today?"
VOICE: 716/688-1231   {boulder, rutgers, watmath}!ub!kitty!larry
FAX: 716/741-9635   {utzoo, uunet}!/   \aerion!larry

From -8225487805797824908
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b75226207eb8d30,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 02:43:34 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: yes, I goofed re: 160m
Message-ID: <1991Jan13.224622.24753@NCoast.ORG>
Date: 13 Jan 91 22:46:22 GMT
Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 11

Since it probably won't cancel before everyone reads it: I posted an article questioning AM/SSB on 160m... looks like I'm having more trouble than I thought distinguishing colors on this chart. (Yes, I've scheduled an eye exam. This worries me a bit....)

++Brandon, mea culpa
--
Me: Brandon S. Allbery   VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG   Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR   AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery   Delphi: ALLBERY

From 4386149765520690043
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac993565d119025b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 13ce86,ac993565d119025b,start
X-Google-Attributes: gid13ce86,public
X-Google-ArrivalTime: 1991-01-14 03:09:47 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio,fido.ham-radio
Subject: AMSAT NEWS
Message-ID: <1988@n8emr.UUCP>
Date: 13 Jan 91 20:31:02 GMT
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 354
Xref: gmdzi rec.ham-radio:19307

==

This file available from N8EMR's Ham BBS,

614-895-2553 1200/2400/9600/V.32/PEP/MNP5

===

Posted: Sun, Jan 13, 1991 7:42 AM GMT Msg: BGJB-4545-5156
From: CDUNCAN
To: is
CC: w1aw, bpasternak, ans
Subj: ANS$012

SB ALL @ AMSAT $ANS-012.01
ANS & KEPS NOW FOUND ON PACSATS

HR AMSAT NEWS SERVICE BULLETIN 012.01 FROM AMSAT HQ
SILVER SPRING, MD JANUARY 12, 1991
TO ALL RADIO AMATEURS BT

AMSAT News Service (ANS) Bulletins & Keplerians Available On PACSATs

With the commencement of full-time BBS operations on AO-16 and UO-14, radio amateurs now have a highly reliable way to receive the ANS bulletins and orbital elements as quickly as they are available. Each weekend when Courtney Duncan (N5BF) the AMSAT News Service Managing Editor completes his review of the bulletins and orbital elements for the upcoming week, he will upload them to the AO-16 on the next available pass and set both items for a three day broadcast. ANS has been carried on UO-14 BBS's in this fashion for several weeks. Those who are able to monitor PACSATs will then be able to capture the bulletins and keps easily without having to depend on a tenuous HF packet link or worry about busy signals from a VHF packet or landline BBS. Because of the orbit of the PACSATs, global coverage of the world makes it possible to see a PACSAT pass at lest six times/day from most locations. Join the many new PACSAT users who have found that the fastest way to move traffic and receive the latest news about what is happening in amateur radio is through the PACSATs.

For more information about how to receive the ANS bulletins and keps via the PACSATs, contact N5BF on PACSAT-12, aka AO-16 or @ WB6YMH. PACSAT user software is available from the AMSAT Software Exchange at (301) 589-6062, or can be downloaded from the DRIG at (214) 784-3748, or from CompuServe's HAMNET.

/EX
SB ALL @ AMSAT $ANS-012.02
AMSAT PRESENTATION TO FCC

HR AMSAT NEWS SERVICE BULLETIN 012.02 FROM AMSAT HQ
SILVER SPRING, MD JANUARY 12, 1991
TO ALL RADIO AMATEURS BT

AMSAT Presentation for FCC Staff Well Received

The U. S. Federal Communications Commission Private Radio Bureau hosted a presentation on the Radio Amateur Satellite Service, given by several AMSAT-NA leaders on Friday, January 11, 1991 in Washington, D. C. About 45 FCC staff members and interested amateur radio operators were present.

The presentation, led by AMSAT-NA President Doug Loughmiller (KO5I) and Vice President for Engineering Jan King (W3GEY) featured details on current AMSAT projects and goals, amateur satellite history, the current state of the Radio Amateur Satellite Service, and the role of the Service in such areas as public service, scientific research, education, disaster and emergency preparedness, and technology development.

An excellent video tape edited by Steve Smith (N8DEZ) with assistance from Eric Rosenberg (WD3Q) and Dick Daniels (W4PUJ) was included as was a slide presentation prepared by Greg Hine (WT0M) and AMSAT-NA Vice President for Field Operations Jeff Wallach (N5ITU). AMSAT-NA Treasurer Art Feller (KB4ZJ), AMSAT Past President Perry Klein (W3PK), and other local amateurs were also involved in preparations for this landmark presentation which was well received by FCC staff.

Unfortunately, the electromagnetic noise level in the building was too high to allow succesful direct reception of the DOVE Microsat which was transmitting a message of greetings to the FCC staff that had been uploaded specifically for this event.

This is one of many activities being conducted by AMSAT-NA and the American Radio Relay League designed to increase the awareness of the FCC about the many positive and forward looking aspects of amateur radio as the 1992 World Administrative Radio Conference approaches.

[ANS thanks KO5I for the information in this bulletin.]

/EX
SB ALL @ AMSAT $ANS-012.03
AO-16 EXPERIMENTER'S DAY

HR AMSAT NEWS SERVICE BULLETIN 012.03 FROM AMSAT HQ
SILVER SPRING, MD JANUARY 12, 1991
TO ALL RADIO AMATEURS BT

AO-16 S-Band & Raised Cosine Transmitters Experimentation To Begin

In the continuing tradition of AMSAT'S Wednesday Experimenter's Day, AMSAT and the PACSAT command team are pleased to announce the routine operation of AO-16's S-Band (2401.143 MHz) and Raised Cosine (437.050 MHz) PSK transmitters starting January 16, 1991.

Since the operation of these transmitters is currently under ground control, the start and stop of their operation will not occur exactly on Wednesday UTC but will vary a few hours either way. The schedule for the remainder of

January is as follows:

DATE	START TIME	END TIME
16-JAN-1991	23:35 UTC 15-JAN-91	22:36 UTC 16-JAN-1991
23-JAN-1991	04:36 UTC 23-JAN-91	04:10 UTC 24-JAN-1991
30-JAN-1991	01:26 UTC 30-JAN-91	02:32 UTC 31-JAN-1991

While operation of the S-Band and Raised Cosine PSK transmitters is scheduled to be conducted weekly, users are cautioned that these operations may be shortened or cancelled to allow uploading of improved spacecraft software. Watch for bulletins in the BBS and the telemetry text frame of AO-16 for changes to the schedule.

Users are requested to send reception reports and comments for the January operations to WB9ANG: @ PACSAT-12, @ W8BI.OH.USA.NA, or via CompuServe to 74017,2454.

/EX
SB ALL @ AMSAT $ANS-012.04
WO-18 STATUS: PART I

HR AMSAT NEWS SERVICE BULLETIN 012.04 FROM AMSAT HQ
SILVER SPRING, MD JANUARY 12, 1991
TO ALL RADIO AMATEURS BT

WEBERSAT-OSCAR-18 (WO-18) Status Report: January 8, 1991, Part 1

Chris Williams (WA3PSD) reports that while many radio amateurs spent this past Christmas season either opening up the boxes of brand new VHF/UHF rigs for OSCAR operations or dreaming of opening presents that would enhance their ham shack, Weber State University (WSU) engineers were busily experimenting with the CCD camera iris settings on WO-18. This tedious work is a continuation of the this ardous task started last summer to find the right combination of iris settings for a particular sun-light level. Another difficult task undertaken by the engineering students at WSU at that time was to find a way to tell when to the CCD camera was earth pointing. Thinking about it logically, the students realized that all they had to do to get spectacular pictures of the earth was to just program the on-board computer to look for the following conditions from the solar arrays: -Y solar array brightly illuminated, +Z and -Z solar array currents almost "zilch," and then snap a picture. If one takes a moment to imagine the structure of WO-18, what could be simpler -- POINT AND SHOOT. But as usual, Murphy wins again! Ask any ham. Also, another celestial "monkey wrench" was thrown into what is a very complicated spacecraft attitude motion problem when WSU engineers noticed that something very strange was happening to WO-18: it's Z-axis spin rate was slowing down -- contrary to what was happening on the other MICROSATs.

/EX
SB ALL @ AMSAT $ANS-012.05
WO-18 STATUS: PART II

HR AMSAT NEWS SERVICE BULLETIN 012.05 FROM AMSAT HQ
SILVER SPRING, MD JANUARY 12, 1991

TO ALL RADIO AMATEURS BT

WEBERSAT-OSCAR-18 (WO-18) Status Report: January 8, 1991, Part 2

This unexplained phenomenon has caused the WSU engineers to scratch their heads for many hours of contemplation. They feel they have found the answer in a rather ancient NASA document on spacecraft electrostatic charging. However, the engineers are still wondering what all those pages of equations really mean.

Yet despite all these problems, small sucesses are possible in performing the very difficult task of imaging from outer-space using WO-18. By narrowing the iris and developing more sophisticated algorithms to tell the on-board computer when it should take a picture, some very good earth-space horizon pictures have been taken. By experimenting with WEBERWARE 1.0 (WW 1.0), what initially looked liked streaking bright curves across the CRT screen were changed into good images of the earth-space horizon. By manually increasing the "brightness" value and decreasing the contrast with WW 1.0, it was possible to produce some very good earth-horizon shots.

The WSU engineers are still not convinced that they are taking the best pictures possible from WO-18. They remain optimistic that they will find a the right combination of camera iris settings to get consistently good pictures from space. So far there is no evidence to indicate any sort of a CCD camera hardware failure. Also, there is a tremendous flexibility possible for engineers to vary other parameters which can be set in the spacecraft on-onboard computer. WA3PSD likens it to having the capability to being able to twiddle a lot of "knobs" on a TV set in order to get a good picture. There are many more setting which need to be investigated which can affect picture taking.

If you would like to try your hand at "twiddling the knobs" on WO-18, WW 1.0 is a good place to start. Perhaps you can find the right combination of parameters in WW 1.0 to turn those "washed out," overly bright images into something beautiful -- others have. To quote a famous AMSAT'er: "It's only software."

[For more information about how you can obtain WEBERWARE 1.0, contact the AMSAT Software Exchange at (301) 589-6062.]

/EX
SB ALL @ AMSAT $ANS-012.06
NEW AMSAT SWX MANAGER

HR AMSAT NEWS SERVICE BULLETIN 012.06 FROM AMSAT HQ
SILVER SPRING, MD JANUARY 12, 1991
TO ALL RADIO AMATEURS BT

W0SL Appointed AMSAT-NA Software Exchange Manager

AMSAT-NA VP for Operations Courtney Duncan (N5BF) announces the appointment of Roy Welch (W0SL) AMSAT-NA Software Exchange Manager, effective on January

14, 1991. Roy has been an active amateur satellite user for many years, is an AMSAT Area Coordinator, and is author of one of the first satellite tracking programs for IBM-PC and compatible systems "Orbits."

Roy's appointment comes at an exciting time in the world of amateur radio satellites. Several different types of software including satellite tracking programs, telemetry analysis programs, scientific and educational programs of various sorts, and now pacsat ground station software are handled by AMSAT-NA in support of several different types of personal computer systems. With the assistance of other volunteers specializing in various systems or software types, Roy will be overseeing the AMSAT software process from authors to final production and distribution.

If you have questions about software that AMSAT has available or would like to volunteer to write programs or participate in some other way in the process contact:

Roy Welch, W0SL
908 Dutch Mill Drive
Manchester, Mo   63011

/EX
SB ALL @ AMSAT $ANS-012.07
RS-12/13 TO FLY BEFORE RS-14!

HR AMSAT NEWS SERVICE BULLETIN 012.07 FROM AMSAT HQ
SILVER SPRING, MD JANUARY 12, 1991
TO ALL RADIO AMATEURS BT

RS-12/13 To Fly Before RS-14/RUDAK-2 According To AMSAT-DL Officials

In what is considered a major suprise to AMSAT-DL officials, RS-12/13 will be launched before RS-14/RUDAK-2. According to the latest information coming to AMSAT-DL officials from the USSR, RS-12/13 will be launched on January 20, 1991. Then about one week later RS-14/RUDAK-2 will be launched! RS-12/13 has been in storage for over a year awaiting an opportunity to be placed into orbit. RS-14/RUDAK-2 has also been delayed over a year. AMSAT-DL officials can only explain these delays from the standpoint of economic pressures and efforts to minimize launch costs. All radio amateurs are requested to stay tuned to the AMSAT News Service (ANS) bulletins for any further information about these OSCARs.

[The AMSAT News Service would like to thank DB2OS for the information which went into this bulletin.]

/EX
SB ALL @ AMSAT $ANS-012.08
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 012.08 FROM AMSAT HQ
SILVER SPRING, MD JANUARY 12, 1991
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule

AMSAT Operations Nets are planned for the following times.Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date	Phs	mode	UTC	NCS	Alt.	U.S. day
19 Jan 91	210	B	1445	WB9ANQ	KA5SMA	Saturday
26 Jan 91	211	B	1830	WA5ZIB	WD0E	Saturday
03 Feb 91	0500	B	0107	N5BF	WB6LLO	Saturday
09 Feb 91	1430	B	0212	KA5SMA	WB9ANQ	Saturday
17 Feb 91	0400	J/L	0175	WD0E	WA5ZIB	Saturday
24 Feb 91	0500	B	0115	WB6LLO	N5BF	Saturday

Roy Welch (W0SL) will discuss his new job as AMSAT Software Exchange Manager and what this means in terms of improved software user support during the 26 January 91 session.

It is the intention of the Operations Net management to have guest speakers approximately every other week to provide up-to-the-minute information on topics of interest (such as Microsat ground station software, AMSAT Software Exchange, and WARC 92). As guest speakers and topics are confirmed they will be published in ANS.

WA3NAN, the Goddard Space Flight Center radio club has begun to retransmit the Mode J/L (Mode B nets will not be retransmitted at this time) AMSAT Operations Nets on 147.450 fm for the Washington DC area amateur community. Questions from listeners can be patched from the club repeater (146.835 -) to AO-13 for the net.

For information on the amateur satellite program and how you can participate, contact AMSAT-NA Headquarters at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062, or contact your local AMSAT Area Coordinator.

/EX
SB ALL @ AMSAT $ANS-012.09

NEW AO-13 TRANSPONDER SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 012.09 FROM AMSAT HQ
SILVER SPRING, MD JANUARY 12, 1991
TO ALL RADIO AMATEURS BT

The new winter transponder schedule for AO-13 is as follows:

```
 Mode-B : MA   0 to MA 165 | <= If eclipses over-drain battery in
 Mode-JL: MA 165 to Ma 190 |    Jan 10 - Feb 06, B-OFF MA 20-65
 Mode-LS: MA 190 to MA 195 |
 Mode-S : MA 195 to MA 200 | <= Mode B is OFF; no swishing!
 Mode-BS: MA 200 to MA 205 | <= QRP on BS please.  High power
 Mode-B : MA 205 to MA 256 |    wipes out mode S experimenters.
```

Omnis : MA 240 to MA 30 |

This schedule is expected to continue through 25 March 91

The command team requests that you make a specific effort to use QRP on Mode B between MA 200 to 205. This is specifically to help those people who are experimenting with Mode S.

During the Winter, the worst Sun angle (11 March 91) will be -27 deg, resulting in 89% illumination. AO-13 will experience eclipses by the Earth from 11 January 91 to 6 February 91, the longest being 82 minutes (MA 32-53). If battery drain is excessive during this period of time, it may result in Mode B being turned off from MA 20-65 until 6 February 91. AO-13 will experience Lunar eclipses on 16 March 91 (50%) and 14 April 91 (23%).

Magnetorquing operations are complete and the resulting spacecraft attitude of AO-13 is:

BLON = 209.5 and BLAT = 0.7 for 31 December 90

AMSAT-OSCAR-10 appears to be receiving sufficient solar panel illumination to support Mode-B transponder operations. The transponder may be used, carefully, at all points of the orbit except MA 254 - 006 when eclipses occur. If beacon or transponder signals show signs of FMing, users should cease all transponder use immediately. An APPROXIMATION of the spacecraft attitude for AO-10 is :

BLON = 0.0   and BLAT = 2.0 for 19 January 91

/EX

Command?

From -2971472640437282936
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac993565d119025b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 13ce86,ac993565d119025b
X-Google-Attributes: gid13ce86,public
X-Google-ArrivalTime: 1991-01-14 03:10:37 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio,fido.ham-radio
Subject: AMSAT NEWS
Message-ID: <1989@n8emr.UUCP>
Date: 13 Jan 91 20:32:16 GMT
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 351
Xref: gmdzi rec.ham-radio:19308

```
==========================================================

     This file available from N8EMR's Ham BBS,

     614-895-2553 1200/2400/9600/V.32/PEP/MNP5

==========================================================





Posted: Sat, Jan 12, 1991   6:15 AM GMT              Msg: KGJB-4545-1469
From:   DCAMPBELL
To:     is
Subj:   ORBS$012

SB ALL @ AMSAT  $ORBS-012.O
Orbital Elements   012.OSCAR

HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES
FROM N3FKV HEWITT, TX      JANUARY 12, 1991
TO ALL RADIO AMATEURS BT

Satellite: AO-10
Catalog number: 14129
Epoch time:      91003.16142974
Element set:     633
Inclination:       25.9096 deg
RA of node:       167.3234 deg
Eccentricity:    0.5971064
Arg of perigee:   205.6904 deg
Mean anomaly:     105.3887 deg
Mean motion:    2.05880218 rev/day
Decay rate:       1.70e-07 rev/day^2
Epoch rev:            2885

Satellite: UO-11
Catalog number: 14781
Epoch time:      91008.63895420
Element set:     899
Inclination:       97.9244 deg
RA of node:        59.2388 deg
Eccentricity:    0.0012202
Arg of perigee:   320.8673 deg
Mean anomaly:      39.1641 deg
Mean motion:   14.66050009 rev/day
Decay rate:      1.618e-05 rev/day^2
Epoch rev:           36606

Satellite: RS-10/11
```

```
Catalog number: 18129
Epoch time:      91009.97185187
Element set:     487
Inclination:       82.9252 deg
RA of node:       175.7496 deg
Eccentricity:    0.0010525
Arg of perigee:   265.3179 deg
Mean anomaly:      94.6760 deg
Mean motion:   13.72133997 rev/day
Decay rate:      -5.22e-06 rev/day^2
Epoch rev:           17780

Satellite: AO-13
Catalog number: 19216
Epoch time:      91009.24523260
Element set:     234
Inclination:       56.8452 deg
RA of node:       116.5505 deg
Eccentricity:    0.7100265
Arg of perigee:   244.5005 deg
Mean anomaly:      29.0596 deg
Mean motion:    2.09702068 rev/day
Decay rate:      -9.50e-07 rev/day^2
Epoch rev:            1972

Satellite: FO-20
Catalog number: 20480
Epoch time:      91008.53895343
Element set:     179
Inclination:       99.0194 deg
RA of node:        21.0719 deg
Eccentricity:    0.0540532
Arg of perigee:   303.3564 deg
Mean anomaly:      51.6897 deg
Mean motion:   12.83167762 rev/day
Decay rate:       3.60e-07 rev/day^2
Epoch rev:            4308

/EX
SB ALL @ AMSAT  $ORBS-012.D
Orbital Elements   012.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS
FROM N3FKV HEWITT, TX      JANUARY 12, 1991
TO ALL RADIO AMATEURS BT

Satellite: UO-14
Catalog number: 20437
Epoch time:      91008.22970154
Element set:     289
Inclination:       98.6797 deg
RA of node:        88.5761 deg
Eccentricity:    0.0010696
```

```
Arg of perigee:   277.8639 deg
Mean anomaly:      82.1306 deg
Mean motion:   14.28841083 rev/day
Decay rate:       4.74e-06 rev/day^2
Epoch rev:            5014

Satellite: AO-16
Catalog number: 20439
Epoch time:      91006.66449787
Element set:     186
Inclination:       98.6887 deg
RA of node:        87.2500 deg
Eccentricity:    0.0010799
Arg of perigee:   283.0207 deg
Mean anomaly:      76.9772 deg
Mean motion:   14.28936081 rev/day
Decay rate:       4.60e-06 rev/day^2
Epoch rev:            4992

Satellite: DO-17
Catalog number: 20440
Epoch time:      91009.52388230
Element set:     185
Inclination:       98.6873 deg
RA of node:        90.1247 deg
Eccentricity:    0.0010999
Arg of perigee:   273.8142 deg
Mean anomaly:      86.1780 deg
Mean motion:   14.29000150 rev/day
Decay rate:       5.07e-06 rev/day^2
Epoch rev:            5033

Satellite: WO-18
Catalog number: 20441
Epoch time:      91007.18988411
Element set:     186
Inclination:       98.6888 deg
RA of node:        87.8417 deg
Eccentricity:    0.0011578
Arg of perigee:   282.5413 deg
Mean anomaly:      77.4492 deg
Mean motion:   14.29073409 rev/day
Decay rate:       4.59e-06 rev/day^2
Epoch rev:            5000

Satellite: LO-19
Catalog number: 20442
Epoch time:      91006.96278114
Element set:     185
Inclination:       98.6862 deg
RA of node:        87.6522 deg
Eccentricity:    0.0011547
Arg of perigee:   279.4414 deg
```

```
Mean anomaly:      80.5481 deg
Mean motion:   14.29146775 rev/day
Decay rate:       4.73e-06 rev/day^2
Epoch rev:            4997

/EX
SB ALL @ AMSAT  $ORBS-012.M
Orbital Elements   012.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES
FROM N3FKV HEWITT, TX      JANUARY 12, 1991
TO ALL RADIO AMATEURS BT

Satellite: SALYUT 7
Catalog number: 13138
Epoch time:      91010.93386805
Element set:     721
Inclination:       51.5945 deg
RA of node:       312.0271 deg
Eccentricity:    0.0003245
Arg of perigee:   105.5489 deg
Mean anomaly:     254.5874 deg
Mean motion:   16.02110515 rev/day
Decay rate:     2.8742e-03 rev/day^2
Epoch rev:           49763

Satellite: MIR
Catalog number: 16609
Epoch time:      91010.02377494
Element set:     194
Inclination:       51.6117 deg
RA of node:         8.6675 deg
Eccentricity:    0.0025834
Arg of perigee:   102.8771 deg
Mean anomaly:     257.5051 deg
Mean motion:   15.62005330 rev/day
Decay rate:     2.2941e-04 rev/day^2
Epoch rev:           28040

Satellite: HUBBLE
Catalog number: 20580
Epoch time:      91010.35687864
Element set:     390
Inclination:       28.4725 deg
RA of node:        10.2563 deg
Eccentricity:    0.0006155
Arg of perigee:   127.5130 deg
Mean anomaly:     232.6014 deg
Mean motion:   14.85907493 rev/day
Decay rate:      4.036e-05 rev/day^2
Epoch rev:            3880

/EX
```

```
SB ALL @ AMSAT  $ORBS-012.W
Orbital Elements   012.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM N3FKV HEWITT, TX      JANUARY 12, 1991
TO ALL RADIO AMATEURS BT

Satellite: NOAA-9
Catalog number: 15427
Epoch time:      91009.51183279
Element set:     689
Inclination:       99.1719 deg
RA of node:        19.2186 deg
Eccentricity:    0.0015677
Arg of perigee:   146.8002 deg
Mean anomaly:     213.4146 deg
Mean motion:   14.12774219 rev/day
Decay rate:       2.96e-06 rev/day^2
Epoch rev:           31311

Satellite: NOAA-10
Catalog number: 16969
Epoch time:      91010.52346883
Element set:     536
Inclination:       98.5817 deg
RA of node:        38.6527 deg
Eccentricity:    0.0014258
Arg of perigee:    30.7356 deg
Mean anomaly:     329.4655 deg
Mean motion:   14.23852969 rev/day
Decay rate:       4.58e-06 rev/day^2
Epoch rev:           22411

Satellite: MET-2/17
Catalog number: 18820
Epoch time:      91005.56798786
Element set:     442
Inclination:       82.5430 deg
RA of node:       189.5682 deg
Eccentricity:    0.0017369
Arg of perigee:   112.4401 deg
Mean anomaly:     247.8595 deg
Mean motion:   13.84407038 rev/day
Decay rate:       1.07e-06 rev/day^2
Epoch rev:           14818

Satellite: MET-3/2
Catalog number: 19336
Epoch time:      91005.74211151
Element set:     697
Inclination:       82.5421 deg
RA of node:       134.1331 deg
Eccentricity:    0.0016852
```

```
Arg of perigee:   163.7108 deg
Mean anomaly:     196.4556 deg
Mean motion:   13.16908587 rev/day
Decay rate:       3.30e-07 rev/day^2
Epoch rev:           11761

Satellite: NOAA-11
Catalog number: 19531
Epoch time:      91009.34033220
Element set:     443
Inclination:       99.0107 deg
RA of node:       323.1672 deg
Eccentricity:    0.0012876
Arg of perigee:    65.4879 deg
Mean anomaly:     294.7632 deg
Mean motion:   14.11856370 rev/day
Decay rate:       7.00e-06 rev/day^2
Epoch rev:           11805

Satellite: MET-2/18
Catalog number: 19851
Epoch time:      91005.59280806
Element set:     393
Inclination:       82.5214 deg
RA of node:        67.2066 deg
Eccentricity:    0.0014900
Arg of perigee:   151.6982 deg
Mean anomaly:     208.4996 deg
Mean motion:   13.84045723 rev/day
Decay rate:       1.91e-06 rev/day^2
Epoch rev:            9356

Satellite: MET-3/3
Catalog number: 20305
Epoch time:      91009.19816196
Element set:     309
Inclination:       82.5494 deg
RA of node:        72.7165 deg
Eccentricity:    0.0017229
Arg of perigee:   172.0673 deg
Mean anomaly:     188.0812 deg
Mean motion:   13.15934425 rev/day
Decay rate:       4.30e-07 rev/day^2
Epoch rev:            5804

Satellite: MET-2/19
Catalog number: 20670
Epoch time:      91005.74319185
Element set:     143
Inclination:       82.5464 deg
RA of node:       127.8910 deg
Eccentricity:    0.0017298
Arg of perigee:    78.5615 deg
```

```
Mean anomaly:     281.7486 deg
Mean motion:   13.83891067 rev/day
Decay rate:       1.82e-06 rev/day^2
Epoch rev:            2653

Satellite: FY-1/2
Catalog number: 20788
Epoch time:      91010.10398014
Element set:      86
Inclination:       98.9328 deg
RA of node:        46.9040 deg
Eccentricity:    0.0010479
Arg of perigee:   265.4434 deg
Mean anomaly:      94.5533 deg
Mean motion:   14.00618405 rev/day
Decay rate:       2.65e-06 rev/day^2
Epoch rev:            1807

Satellite: MET-2/20
Catalog number: 20826
Epoch time:      91005.61563355
Element set:      93
Inclination:       82.5257 deg
RA of node:        67.1904 deg
Eccentricity:    0.0013517
Arg of perigee:   342.8583 deg
Mean anomaly:      17.2123 deg
Mean motion:   13.83258169 rev/day
Decay rate:       2.24e-06 rev/day^2
Epoch rev:            1373

/EX

Command?
```

From -7084603166570319566
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4894f133cff41a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 04:03:32 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!cbmvax!heimat!dan
From: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Newsgroups: rec.ham-radio
Subject: Re: RF and the outer limits...
Message-ID: <245@heimat.UUCP>
Date: 14 Jan 91 02:21:32 GMT
References: <9012311443.AA29811@hermes.intel.com>
<1991Jan1.183915.10276@bellcore.bellcore.com> <211@platypus.uofs.edu>
<241@heimat.UUCP> <649@chiton.ucsd.edu>
Reply-To: dan@heimat.UUCP (Dan 'Sneakers' Schein)

Organization: Sneakers Computing, West Lawn, PA
Lines: 25

In article <649@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
>In article <241@heimat.UUCP> dan@heimat.UUCP (Dan 'Sneakers' Schein) writes:
>>
>> Bill your reply was close to my thoughts. Except I figure they (ET's) don't
>> want anything to do with a world so undeveloped they still use and fight
>> over the need for CW.
>
>Dan, haven't you noticed that the more advanced a civilization gets, the more
>restrictive is regulations become. Any highly evolved extra-terrestrial hams
>out there are going to have CCNR's, power restrictions, and band limitations
>that make ours look like freedom. The only mode they may be able to get out
>with is CW. So if you really want a chance for some ET QSO's you had better
>get that new Bencher key you have been drooling over! B--)
>
  Ive noticed this trend on our planet, but I have hope that ours is the
  the only screwed up one and that others may not be as confused as ours.
--
```
     |\/\/\/|   +---------------------+--------------------------+      _____
     |      |   |   US Mail Address   |      E-Mail Address      |     /     \
     | (o)(o)   +---------------------+--------------------------+    |     \/\/
     (      _)  | Sneakers Computing  | dan%heimat@commodore.com |    (o)(o)  |
      | ,___|   | 2455 McKinley Ave.  |          -or-            |   (_---.   )
      |   /     | West Lawn, PA 19609 | uunet!cbmvax!heimat!dan  |    |___.| |
     /    \     +---------------------+--------------------------+     \__/  |
    /______\                                                           /_____\
```

From 1302695216633269l7
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,104d82c82da6fb5a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 04:03:44 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!cbmvax!heimat!dan
From: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Newsgroups: rec.ham-radio
Subject: Re: WEFAX question and comments
Message-ID: <246@heimat.UUCP>
Date: 14 Jan 91 02:23:36 GMT
References: <D81EB1CC7F9FC0305C@ulkyvx.bitnet> <20574@netcom.UUCP>
Reply-To: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Organization: Sneakers Computing, West Lawn, PA
Lines: 15

In article <20574@netcom.UUCP> mcmahan@netcom.UUCP (Dave Mc Mahan) writes:
>
>suspect that they are. Of course, the amiga really isn't too usable while
>an image is being received.
>
  I beg to differ ;-)
--

```
     |\/\/\/|   +---------------------+--------------------------+      _____
     |      |   |   US Mail Address   |      E-Mail Address      |     /     \
     | (o)(o)   +---------------------+--------------------------+    |     \/\/
     (     _)   | Sneakers Computing  | dan%heimat@commodore.com |    (o)(o)  |
      | ,___|   | 2455 McKinley Ave.  |          -or-            |   (_---.   )
      |   /     | West Lawn, PA 19609 | uunet!cbmvax!heimat!dan  |    |___.| |
     /    \     +---------------------+--------------------------+     \__/  |
    /______\                                                           /_____\
```

From 9083071567112134054
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,147263284118940
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 05:24:27 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!paperboy!hsdndev!husc6!genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: Re: Exam Procedure
Message-ID: <40310@genrad.UUCP>
Date: 14 Jan 91 13:24:27 GMT
References: <D75AEB24D3BF201851@uncg.bitnet>
<1991Jan11.160003.28216@midway.uchicago.edu>
Sender: news@genrad.UUCP
Reply-To: dls@freedom.genrad.COM (Diana L. Syriac)
Organization: GenRad, Inc., Concord, Mass.
Lines: 32

In article <1991Jan11.160003.28216@midway.uchicago.edu> pbhx@midway.uchicago.edu (Peter B. Hayward) writes:
>In article <D75AEB24D3BF201851@uncg.bitnet> MOSIER@UNCG.BITNET (Steve
>Mosier) writes:
>> I know that the VE organization doesn't presently (before no-code) give
>Novice
>> exams. But I would assume that if a non-ham goes into a walk-in exam
>I don't know where you got this information. All VE organizations give
>Novice exams. Novice exams can also be given by two Generals. However,
>only VE organizations can give Tech and up.

I agree with Peter. All the VE organizations I've been to DO give Novice tests, as well as all other upgrades. However, it is explicitly forbidden in the FCC Rules that VE's cannot CHARGE for Novice tests. With higher upgrades, there is a fixed "cost" to allow the VEC's to help pay for the cost of giving tests (printing and copy costs, etc.). I do not disagree with with "cost", I think it's quite reasonable ($4.95 for as many tests as you can take and pass).

However, VEs cannot charge anything for the Novice 1A and 2 tests. And most don't. (Unfortunately, I've seen a couple of cases where the Novice did get charged....but I don't think it was intentional). If the non-ham takes and passes the Novice tests, THEN wants to continue taking tests, at that time, he must dole out the $4.95, for the upgrades.

Hope this helps clarify this issue.

```
->Diana L. Syriac      dls@genrad.com         Ham: KC1SP (Sweet Pea)      <-
->I'D RATHER BE FLYING! P-ASEL, INST      CAP: 1LT, Freedom 690 Mobile<-
->GenRad                    AD ASTRA, PER ASPERA       <-
->MS/6, 300 Baker Ave, Concord, Mass.  01742   (508) 369-4400 x2459        <-
```

```
From 3146895438327957122
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f83e8d7a4b1cf3b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 05:43:22 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!paperboy!hsdndev!husc6!genrad!
dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: Ham Flyer for local Radio Shack stores
Message-ID: <40312@genrad.UUCP>
Date: 14 Jan 91 13:43:22 GMT
Sender: news@genrad.UUCP
Lines: 53
```

With all the bashing of Radio Shack, I almost hesitate not to post this..... but I will anyway. On this weekend's ARES net, it was brought up that there are many potential hams coming into Radio Shack, asking questions, but the employees don't know much about it, so can't give much assistance. Therefore, we decided to create a flyer to give to local Radio Shack stores, to put up "somewhere" or just to give to customers who ask questions. I've enclosed the ham flyer that we're gonna give to Radio Shack. Any comments from other hams? Have others done something like this before? If so, what kind of response did you get? If not, why not? Just curious!

Diana

WOULD YOU LIKE TO BE A HAM?

* Do you like to build things?
* Would you like to talk to someone on the other side of the world?
* Would you like to help with communications in a parade or walkathon?
* Do you like to experiment with computers?
* Are you a "stay-at-homer" but want to talk to someone far away?
* Would you like company on the drive to work?
* Did you know there is now an amateur radio license that does not require knowing Morse code?

All of these things are possible with Amateur Radio. Age is no object, anyone who can pass the tests are welcom. And we will help you pass the tests, with classes and Elmering. There are many handicapped persons who find great enjoyment in Ham Radio.

Interested?
MONTACHUSETT AMATEUR RADIO ASSOCIATION (MARA) would like to invite you to join them in the great world of Amateur Radio. Monthly meetings are held at the Knights of Columbus on Route 117 in Leominster on the second Wednesday of each month at 7:30PM. JOIN US!

For more information:
MARA
PO Box 95
Leominster, MA 01453

Bob Elder, N1ABF, 537-1032
Diana Syriac, KC1SP, 840-1337

->Diana L. Syriac   dls@genrad.com   Ham: KC1SP (Sweet Pea)   <-
->I'D RATHER BE FLYING! P-ASEL, INST   CAP: 1LT, Freedom 690 Mobile<-
->GenRad   AD ASTRA, PER ASPERA   <-
->MS/6, 300 Baker Ave, Concord, Mass. 01742   (508) 369-4400 x2459   <-

From -8709957639913053457
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67049f5749c6a93a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 08:38:37 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!rpi!uwm.edu!bionet!agate!ucbvax!DGC.ceo.dg.com!Pete_Simpson
From: Pete_Simpson@DGC.ceo.dg.com
Newsgroups: rec.ham-radio
Subject: Novice loses privileges
Message-ID: <9101141157.AB00018@rtp40.dg.com>
Date: 14 Jan 91 11:57:54 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 3

What is all this? A Novice who upgrades to Tech becomes a Technician class licensee. Proof of passing the 5 wpm test is the person's old Novice license.

From -7603404913019918829
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c725a51e2b442aa,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1991-01-14 08:46:56 PST
Path: gmdzi!unido!mcsun!sunic!fuug!funic!nic.funet.fi!lut.fi!huopio
From: Kauto.Huopio@lut.fi (Kauto Huopio OH5LFM)
Newsgroups: rec.ham-radio
Subject: Lithuania active on 21330,6
Message-ID: <9101141225.AA02527@lut.fi>
Date: 14 Jan 91 12:25:05 GMT
Sender: root@nic.funet.fi (The FUnny NET guru)
Organization: Finnish University & Research Network
Lines: 5

Just monitoring traffic between the parliament building at Lituathuania and USA on 21330,6. Please support the net as much as you can, they need our support..

--Kaurouto OH5LFM

From -1459435159211988776
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1b161275a466245e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 09:04:35 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!caen!hellgate.utah.edu!csn!ub!dsinc!unix.cis.pitt.edu!gvlf3.gvl.unisys.com!gvlv3.gvl.unisys.com!ean
From: ean@gvlv3.gvl.unisys.com (Ed Naratil)
Newsgroups: rec.ham-radio
Subject: RE: Header Suppression
Message-ID: <1991Jan14.123823.2743@news.gvl.unisys.com>
Date: 14 Jan 91 12:38:23 GMT
Sender: news@news.gvl.unisys.com (The NEWS user)
Reply-To: ean@gvlv3.gvl.unisys.com (Ed Naratil)
Organization: Unisys Defense Systems, Great Valley Labs, Paoli, Pa
Lines: 61

This is being posted for a SYSOP at N3LA who does not have access to the Net.
===

Hi Roy,

Rather than chop out some headers entirely, I would favor recoding to make a typical header read as: (fake example)

```
R:910110/1839 21308@KB3PU.PA.USA.NA
vs
R:910110/1839 21308@KB3PU.PA.USA.NA [ZANY ARC - Norristown, PA] Z:12345 N:NODE
```

Allow the minimum needed by hierarchical forwarding and a bit of auditing and bag the rest (hard coded!) for a 50% saving.

I am told MBL software handles a message sent as "SP XXXXXX@W1AW.CT.USA.NA" with no problem, but chokes on one sent "SB XXXXXX@W1AW.CT.USA.NA" until the sysop creates a flood file for W1AW. PRMBS handles ANYTHING. I dunno what yours, RLI or CBBS do, but doesn't the concept of hierarchical forwarding dictate there should be no problem from either preceding example?

On this same general idea, why do some coders parse the H-address from left to right and others right to left? A message from CA to a bbs in Michelin provence, France (a fabricated example) gets to Maine and gets bounced back to Michigan cuz some software is more interested in the .MI. part than in getting it to France (.FRC.), or better yet just to ".EU" to begin with. Let those French stations worry where .MI. is after it gets to France!

My point? A little more "common sense" in the code and some better docs so the sysops will set up forwarding routes better and we could cut down on circuitous forwarding and increase reliability. With that we need less auditing and maybe can bag all R: headers except the one from the originating BBS. Til then we need something to help locate the systems with serious mail delay problems and maybe to trace a full return route for stuff that can't deal well with H_addressing.

Definitely DON'T keep "last 'N' headers plus original; if you must, keep first 'N' so as to have 'N-1' chances to get a return msg to a BBS which maybe "knows" the originator. The idea of needing a full return path in this era of H_addressing is bad, but when the original route begins in Maine, goes to Canada, down to Florida and arrives in Maryland ten hops later. . . Why should it return THAT way? Sheesh!

Let's also do something with explicit expiration dates on bulletins. Let the poster of a Kepplerian bulletin (as just one example) that will be stale in two weeks flag it to expire in 10 days to 2 weeks. If it is still plying the ALLBBS route at that time, it dies automatically. Why deliver stale mail @ALLBBS or @AMSAT or ANY flood route? Of course a message to a particular ham would not expire before delivery.

Thanks for the opportunity for input. I am grateful to all you hard-working programmers! Thanks!

73 de Jim, KB3PU @N3LA.PA.USA.NA

====
Ed Naratil   (All standard disclaimers apply)
Amateur Packet: W3BNR@N3LA.#epa.PA.USA.NA   ean@gvlv3.gvl.unisys.com
This space intentionally left blank.

From -4854326229121878695
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85d9209861665035
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 09:10:48 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!swbatl!ken
From: ken@swbatl.sbc.com (Ken Gianino 5-9081)
Newsgroups: rec.ham-radio

Subject: Re: Is a passive reflector ever a "transmitter"?
Message-ID: <1991Jan14.131741.4112@swbatl.sbc.com>
Date: 14 Jan 91 13:17:41 GMT
References: <1894@starfish.Convergent.COM> <1250329@hpnmdla.HP.COM> <1991Jan12.220214.3135@n3dmc.svr.md.us>
Organization: Southwestern Bell Advanced Technology Laboratory
Lines: 8

I have an 11 element 2-meter beam that I usually disconnect from my HT when not in use. I know a lot of the locals follow this practice, mainly for lightning protection. However, it has been brought to my attention that all of the RF energy from about 140 to 155 MHz that enters the antenna is being reflected at the unterminated cable end, back up the coax and out the beam. Is this legal? Do I need to connect a dummy load when the antanna is not in use?

From -7364940787984536676
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4350b7794093a79c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 09:11:28 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: Standard 12V DC Connectors.
Message-ID: <14.Jan.91.13:07:27.GMT.#1503@UK.AC.NWL.IA>
Date: 14 Jan 91 12:58:57 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19

I use 8-way Cinch-type connectors with all the 'vertical' pins for the + side and the horizontal pins for the - side. This way, there is plenty of metallic contact area (so i have no worries about putting 20 amps through them...) they do not melt, and reversibility is not a risk. Small nylon ty-wraps can be used to keep them mated in semi permanent setups.

```
     ! !   +ve
     ! !   +ve
     - -   -ve
     - -   -ve
```

These connectors seem reasonably robust (if you get the metal-shelled ones they survive being stamped on!). Some tape (or, better still, heatshrink tube) round the cord-grip clamp improves the life of the cables.
Remember to use the socket on the 'live' end, or you may be treated to an unexpected fireworks display when the live pins of the plug contact earthed metal.

Pete Lucas PJML@UK.AC.NWL.IA G6WBJ@GB7SDN.GBR.EU

From -4964429399690353407
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,143f703071adce2f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 09:15:21 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!root
From: root@n8emr.UUCP (Root)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1991@n8emr.UUCP>
Date: 14 Jan 91 17:15:21 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 23

From n8emr!KB8NW Mon Jan 14 00:34:51 1991
Return-Path: <n8emr!KB8NW>
Message-Id: <m0ivMht-0000mbC@n8emr.uucp>
[Date: Mon, 14 Jan 91 00:28 EST
[To: <ALL@ARRL>
R:910114/0452z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:528 Z:43232
R:910114/0354z @:W8CQK Columbus, OH #:10172 Z:43229
R:910113/1822 @:WB8BII.OH.USA.NA Cuyahoga Falls, OH #:18103 Z:44223

ZCZC AG68
QST DE W1AW
ARRL BULLETIN 3 ARLB003
FROM ARRL HEADQUARTERS NEWINGTON CT
RELAYED BY KB8NW/OBS & BARF-80 BBS
JANUARY 13, 1991
TO ALL RADIO AMATEURS

Attention 12 and 10 meter phone operators licensed by the FCC. A number of US amateurs have been monitored operating SSB outside the subbands designated for phone in these bands, in violation of FCC rules. Remember that the lower limit of the phone band on 10 meters is 28.300 MHz, and the lower limit on 12 meters is 24.930 MHz.

From -3550215399461134286
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,143f703071adce2f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 09:15:33 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!root
From: root@n8emr.UUCP (Root)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1992@n8emr.UUCP>

Date: 14 Jan 91 17:15:33 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 25

Return-Path: <n8emr!KB8NW>
Message-Id: <m0ivQTk-0000q0C@n8emr.uucp>
[Date: Mon, 14 Jan 91 04:30 EST
[To: <ALL@ARRL>
R:910114/0839z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:543 Z:43232
R:910114/0723z @:W8CQK Columbus, OH #:10187 Z:43229
R:910114/0027 @:WB8BII.OH.USA.NA Cuyahoga Falls, OH #:18144 Z:44223
R:910114/0013 @:WA8BXN.OH.USA.NA Kirtland, OH #:29265 Z:44026

ZCZC AX23
QST DE W1AW
SPECIAL BULLETIN 1 ARLX001
FROM ARRL HEADQUARTERS NEWINGTON CT
JANUARY 14, 1991
RELAYED BY KB8NW/OBS & BARF-80 BBS
TO ALL RADIO AMATEURS

Ed Tilton, W1HDQ, author of the W1AW propagation bulletins, is in the hospital for surgery and is expected to be there for about one week. He promises a good long bulletin once he gets out. In the meantime, his many friends may want to drop him a card or a note to Edward Tilton, HCA Oak Hill Hospital, 11375 Cortez Blvd, Spring Hill, FL 34606 or to his home address, PO Box 5529, Spring Hill, FL 34606.

From -9056127379179404253
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9db0794c573ac9f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 09:21:53 PST
Path: gmdzi!unido!mcsun!uunet!samsung!interlan.InterLan.COM!interlan.interlan.com!yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: Ramsey kits
Message-ID: <YETSKO.91Jan14083204@interlan.interlan.com>
Date: 14 Jan 91 13:32:04 GMT
References: <NELSON.91Jan8160136@sun.soe.clarkson.edu>
<10076@pasteur.Berkeley.EDU> <142708.22800@timbuk.cray.com>
<1991Jan12.052426.29007@informix.com>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 23
In-reply-to: randall@informix.com's message of 12 Jan 91 05:24:26 GMT

> Yeah, I bought the 2 meter HT amplifier for $20.00. I thought that it
> would be such a deal ... 2 watts in and 25 watts out. Ah, but there's
> a catch. You also needed the RF-Operated T/R switch, which of course
> the "Q" was out of stock on. I didn't find out about that until after I
> bought it an opened the package. I also wonder what I'm going to do for a
> heat sink ...

I'd just build the RF switch, is it that hard?

Actually, I was shown a trick once, and used that in a 2M amp. Get 2 1/4 ELICTRICAL lengths of RG-174, and put two diodes, back to back, to ground at the junction. Then take the free ends and hook one to the amp output, one to the amp input. On receive, the diodes are high impedance and the cable appears as a bypass to the amp. On transmit, the diodes are driven to conduct, and the cable appears as a stub through 1/4 wave length, hence as a high impedance at both ends of the amp.

Not the best performer, but it worked until I could get the right relay.

Mike Yetsko
N1DVJ

From 1287563361146480566
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d9ec12a7ede2395,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 09:29:40 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!magnus.ircc.ohio-state.edu!rdixon@magnus.ircc.ohio-state.edu
From: Bob_Dixon@osu.edu
Newsgroups: rec.ham-radio
Subject: WB8ECC is Found
Message-ID: <CMM.0.88.663860516.rdixon@magnus.ircc.ohio-state.edu>
Date: 14 Jan 91 13:41:56 GMT
Sender: Bob Dixon <rdixon@right.magnus.ircc.ohio-state.edu>
Reply-To: Bob_Dixon@osu.edu
Organization: The Ohio State University
Lines: 25
Originator: daemon@right.magnus.ircc.ohio-state.edu
Nntp-Posting-Host: right.magnus.ircc.ohio-state.edu

Please recall that I asked for help in finding WB8ECC, since I am his qsl card letter manager, and he is not listed in recent callbooks.
A number of helpful folks out there in netland answered my request and gave me his current address, using the callsign servers. I had assumed that the servers had only what was published in the current callbook, but in fact they have much more than that. Thanks to those who run the callsign servers!

The address was sufficient to get his phone number from Information, so I called him. It turns out that he had let the WB8ECC license lapse, and then applied for renewal. Because he was outside the grace period, he could not get his previous callsign back, and was issued a new one, KF8ED. In an amazing coincidence, this is also an "8E" callsign for which I handle the qsl cards, and I also have cards on hand for his new call!

He was very glad to hear from me about the cards, and said that he had never understood about how the qsl bureaus work, or how to find out. Now he will be sending in envelopes, I'll send him all the bureau info, he will get all his cards from both calls, and the disorder of the universe will have been decreased.

A good example of the value of our widespread computer networks. The collective knowledge and resources of the people on the networks is a tremendous asset.

Bob Dixon W8ERD

From -5087734613514943658
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76489b0e31b4a973
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-14 09:40:09 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!magnus.ircc.ohio-state.edu!
rdixon@magnus.ircc.ohio-state.edu
From: Bob_Dixon@osu.edu
Newsgroups: rec.ham-radio
Subject: Standard 12V DC Connectors
Message-ID: <CMM.0.88.663862134.rdixon@magnus.ircc.ohio-state.edu>
Date: 14 Jan 91 14:08:54 GMT
Sender: Bob Dixon <rdixon@right.magnus.ircc.ohio-state.edu>
Reply-To: Bob_Dixon@osu.edu
Organization: The Ohio State University
Lines: 20
Originator: daemon@right.magnus.ircc.ohio-state.edu
Nntp-Posting-Host: right.magnus.ircc.ohio-state.edu

With respect to the possibility of Cinch-Jones connectors coming apart under stress, I would agree that the typical 300-series connectors will do that if they are heavily used (ie - inserted and removed many many times), and are subject to some force or vibration. But in most ham applications this is not really a problem.

In any case, it can be avoided by using the 200-series conectors. These have the same "innards", and are mechanically and electrically interchangeable and interconnectable with the 300-series connectors, but they have a threaded metal shell which will not come apart accidentally. I have used these in many applications. They are available in all configurations, both sexes for cable and chassis mount.

The 300-series is also available with an external locking clamp, which solves the same problem.

For larger currents, the 400-series is available, but they are not interconnectable with the 300-series. Our convention for very heavy loads is to use whatever size 400-series is required, and then connect the even-numbered pins in parallel, and similarly the odd-numbered pins, so that arbitrary currents may be carried.

Bob Dixon W8ERD

From 1733605166435908917
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5326a0215d89ad6f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 11:41:10 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpda!hpcuhb!bobh
From: bobh@hpcuhb.cup.hp.com (Bob Headrick)
Newsgroups: rec.ham-radio
Subject: Re: Expired license
Message-ID: <10510015@hpcuhb.cup.hp.com>
Date: 11 Jan 91 19:41:10 GMT
References: <1991Jan07.154543.25707@hpmclc.mcm.hp.com>
Organization: Hewlett Packard, Cupertino
Lines: 6

The FCC database from ~10/89 shows it expiring in July of '97. In recent times even a change of address gives you a 10 year extension, so maybe you renewed and didn't know it!

Bob Headrick WA7OVU
bobh@hpda

From 4063530711348966873
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b093914a62ceb539
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 11:46:35 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpda!hpcuhb!bobh
From: bobh@hpcuhb.cup.hp.com (Bob Headrick)
Newsgroups: rec.ham-radio
Subject: Re: Homebrewing
Message-ID: <10510016@hpcuhb.cup.hp.com>
Date: 11 Jan 91 19:46:35 GMT
References: <9101081953.AA14549@tilde>
Organization: Hewlett Packard, Cupertino
Lines: 12

>>How about special lanes on the interstates for people who build their
>>own cars?
>
>A fine idea when and if roads are provided by the govt for use only by
>hobbyist drivers for non-transportation driving only.
>

A better analogy might be if the right of way was provided by the gov.

but hobbyists had to provide the road also :-).

Bob Headrick
WA7OVU   bobh@hpda.hp.com

From -2960996744073033093
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b812bfaaa50868b3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 11:53:20 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Homebrewing & CW proficency
Message-ID: <1991Jan11.195320.1498@ux1.cso.uiuc.edu>
Date: 11 Jan 91 19:53:20 GMT
References: <7482@plains.NoDak.edu>
Organization: University of Illinois at Urbana
Lines: 34

I am definitely NOT in favor of any idea or proposal to restrict or eliminate the use of the CW/MorseCode emission/code mode on any amateur frequency.

Now that there is (to be) in place a way to get privileges on the amateur spectrum above 30 MHz, some are expecting, or fearing, a move to do the same thing in the spectrum below 30 MHz. I must acknowledge that I know that such a desire on the part of many does exist. However I know of NO ONE who has actually suggested that CW/MorsCode become a restricted or banned emission/code.

I also believe that now is NOT the time to proceed with any efforts to remove code tests from other license classes or to gain any HF privileges w/o passing a code test. Among the reasons are that there are still the international agreements/rules in place that affect this (referenced in the 90-55 FCC Report And Order); the HF band has some serious problems at the present time that could be aggravated but such a change; and we need to get the more experienced hams used to the idea of communicating with someone on the amateur spectrum who has not even tried to learn Morse Code.

To those who consider yourselves on the "winning" side in the 90-55 rule change, I urge you to put your efforts at the present time into helping to make the changes a success by working to attract new people into a hobby and service that has heretofore restricted its membership to those willing to try and able to learn Morse Code. These changes by themselves will NOT do anything for Amateur Radio; they simply give YOU the opportunity to do this.

If we cannot make this succeed, I doubt any other rules changes would have any hope at all.

--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 6930103461726529598
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29b4a11527361cbc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 12:09:59 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Giving out information (was Re: Radio Shack bashing
Message-ID: <1250331@hpnmdla.HP.COM>
Date: 11 Jan 91 20:09:59 GMT
References: <803@nddsun1.sps.mot.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 6

I'm amazed at how much trouble people have had with Radio Shack insisting on their address. I always just say "I'm already on your mailing list" and they don't hassle me. This is in every Radio Shack I've ever been in, on both coasts.

AL N1AL

From 2067555916309424861
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9db0794c573ac9f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 12:17:19 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!raphael!wws
From: wws@raphael.cray.com (Walter Spector)
Newsgroups: rec.ham-radio
Subject: Re: Ramsey kits
Message-ID: <141156.20668@timbuk.cray.com>
Date: 11 Jan 91 20:17:19 GMT
References: <"11-Jan-91..9:50:54.CST".*.Mike_Beezley.Houston@Xerox.com>
Reply-To: wws@raphael.cray.com (Walter Spector)
Organization: Cray Research, Inc.
Lines: 40

In article <"11-Jan-91..9:50:54.CST".*.Mike_Beezley.Houston@Xerox.com>,
Mike_Beezley.Houston@XEROX.COM writes:
>
> Although I haven't finished the Ramsey 40M QRP rig I have read through the
> instruction book and I would say that Ramsey appears to be trying to emulate
> the Heathkit approach to kit building.
      ^^^^^^^^
This is the approach Heathkit *should* be doing - simple kits which encourage
lots of experamentation. I was really disappointed when I got my first

Heathkit catalog in 15 years, and they didn't have hardly anything to build! They seemed to hold on to the 'Collins-in-a-kit' philosophy way too long. (With surface mount parts and wave soldering machines, et. al., home builder's just can't compete with commercial equipment these days...)

I was also encouraged by the fact that Ramsey is selling their stuff into the normal distribution channels (i.e., I can go down to my local 'Bandit' and pick one up for a few dollars.)

>
> My only complaint was with the crystal frequency supplied in the kit. It was
> for 7.040 (the QRP international calling frequency). The problem is I am a
> Tech and Techs can't work that freq.

I noticed this too. A large part of their audience would be new novices and (coded) techs. Their kits are a good answer to 'how cheaply can I get on the air?'

> I have since ordered a couple of
> crystals from JAN ($8.95 a piece shipped). Like a ham friend of mine
> says...'upgrade and you can use the 7.04'.

I've had fairly good experience with Jan. I've ordered a bunch of crystals for my old Drake gear over the last few months (WARC + SWL bands) and only had problems with one of them. (Took them 3 times to get it right though.)

Walt Spector
(wws@renaissance.cray.com)
Sunnyvale, California
_·_ _·_ _···· _· ·_·

From 1303678679065053164
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a9716f7f1a9cde38,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 12:37:20 PST
Path: gmdzi!unido!mcsun!uunet!motcid!svec
From: svec@motcid.UUCP (Larry Svec)
Newsgroups: rec.ham-radio
Subject: HT with tone burst and CTCSS tone
Message-ID: <5548@feldspar2.UUCP>
Date: 11 Jan 91 20:37:20 GMT
Organization: Motorola Inc. - Cellular Infrastructure Div., Arlington Heights, IL 60004
Lines: 14

Does anyone know if any of the new dual band HTs available in the US have both 1750Hz tone burst and PL tone capability in the same HT which would ideally be front-panel programmable or easily jumperable without major surgery to convert back and forth. I understand in Europe this can be found rather easily so perhaps the radios DO do both but the one's sold

in USA have that not enabled???
I talked to Yaesu and they said these were solder-in modules, not
easily swappable (on their FT470).
Thanks...

```
--
Larry Svec - KD9OF
  home: 708-526-1256   e-mail: uunet!motcid!svecl     VHF: 145.150-
  work: 708-632-5259      fax: 708-632-2413, -3741    UHF: 443.575+
  "I know everything... even some things that are true!"
```

From 6660528832632168073
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,321fff2b547f9480
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 12:39:21 PST
Path: gmdzi!unido!mcsun!uunet!samsung!know!tegra!vail
From: vail@tegra.COM (Johnathan Vail)
Newsgroups: rec.ham-radio
Subject: Re: IC-u2 mods
Message-ID: <1915@atlas.tegra.COM>
Date: 11 Jan 91 20:39:21 GMT
References: <LURU.91Jan10183625@stekt.oulu.fi>
Distribution: rec
Organization: Tegra-Varityper, Inc., Billerica, MA
Lines: 26
In-reply-to: luru@stekt.oulu.fi's message of 10 Jan 91 17:36:25 GMT

In article <LURU.91Jan10183625@stekt.oulu.fi> luru@stekt.oulu.fi (Ari Husa OH8NUP)
writes:

> More specifically: Is it possible to get BOTH standard 12.5/25 MHz
> step and "unlimited coverage RX" simultaneously on an IC-u2?
>
> I have a modified IC-u2ET which steps by 5 kHz only when the band
> limits have been removed, and I'd love to get either 12.5 kHz or 25 kHz
> step for convenience.

You show me yours and I will show you mine! I have some mods for the
u2 but I haven't performed them yet. What have you done to yours? I
will post mine next week.

Also, does anyone know of a source for the inserts for the batteries?
Especially the tiny pack. I have never seen cells like that before.

Thanks and 73s, jv

"Frisbeetarianism is the belief that when you die, your soul goes up on
the roof and gets stuck." -- button

```
 _____
|     | Johnathan Vail | n1dxg@tegra.com
```

|Tegra| (508) 663-7435 | N1DXG@448.625-(WorldNet)
 ----- jv@n1dxg.ampr.org {...sun!sunne ..uunet}!tegra!vail

From -3222566265294234062
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,176ad170402af5c5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 12:40:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpcc05!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: 2sat mods
Message-ID: <27080051@col.hp.com>
Date: 11 Jan 91 20:40:44 GMT
References: <8916@dog.ee.lbl.gov>
Organization: HP Colorado Springs Division
Lines: 9

The USUAL next step is to tweak the pll slightly. There is normally a test point where the pll (dc) voltage may be measured. Connect a dvm there and notice how the voltage changes as frequency is changed. Record the pll voltage at 162 MHz (or wherever the radio loses lock). Carefully tweak the pll adjustment (refer to the service manual for location) until the pll achieves lock at the higher frequency (in your case 165 MHz).
Of course, the downside of this is loss of low frequency range; i.e., as you shift the pll tuning range upward, you lose at the low end. You probably don't need the range 139 to 144 MHz anyway, do you?

From 2889034942325049790
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,218c7722ed3a75ad
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 12:55:20 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!usc!apple!sun-barr!newstop!texsun!digi.lonestar.org!mwilson
From: mwilson@digi.lonestar.org (Monty Wilson)
Newsgroups: rec.ham-radio
Subject: Re: Visa Merchant agreement???
Message-ID: <1500@digi.lonestar.org>
Date: 11 Jan 91 20:55:20 GMT
References: <9101090920.aa00802@crdec7.apgea.army.mil>
Organization: DSC Communications, Plano Tx.
Lines: 11
Posted: Fri Jan 11 14:55:20 1991

I have also been bothered by RS salesmen insisting I give them my address. My dad figured out a way to call their bluff and I have since used the method myself many times. Just say,
1600 Pennsylvania Ave.
Washington, DC

and no junk mail will arrive at your home. That's what they want
the address for after all. I have had some of the guys behind the
counter recognize the joke and smile but have never had one refuse
the sale given the above address. And I don't even know the ZIP!
.........Monty WB5NVM.
mwilson@digi.lonestar.org

```
From -6953857256096261992
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79e09e9b58c9889e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 13:02:10 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!
roundup.crhc.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: spreadspectrum info wanted
Message-ID: <1991Jan11.210210.13023@ux1.cso.uiuc.edu>
Date: 11 Jan 91 21:02:10 GMT
References: <11054@lanl.gov>
Organization: University of Illinois at Urbana
Lines: 38
```

stevens@mpx1.lampf.lanl.gov (Stevens, Thaddeus C.) writes:

>Hello !!

Hello.

>I'm interested in experimenting with spread_sprectrum. Does anyone out have
>any info on the following:

>1. Can a narrow band FM tranceiver be modified to work spread ?

Sure. Take out the old guts and put in the new guts.

Seriously part of it probably can be used, such as the final stages and
the power supply. The narrowband parts could be as well but you'd have
to be inserting the spreading and despreading function in between so that
the narrowband IF strip, for instance, sees only the despread signal.

>2. Does anyone make equipment for Ham use either ready made or kit form ?

Buy any cheap cheap brand, toss into air over (emtpy) parking lot...
  --> instant kit

Seriously a good approach might well be to just take a radio apart, or
use transverter modules and do some building. You have to operate on
higher frequencies (I THINK 900 MHz and up) to do spread spectrum, and
are limited to 100 watts as well (NBD). But you might want to generate
the spreading function on a lower IF frequency (30 MHz and down) to make
that design aspect easier. If you aren't into building UHF RF circuits,

then buying transverters seems a reasonable way to go (much like using the DSY 56KB modem). I would not consider that a disqualification from being called a homebrewer either, as long as some significant part of the system was built (and even better, DESIGNED) by you, even if that part is totally in software.

--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 2295032279258013339
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,59b9efee15b926e4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 13:22:06 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!uwm.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Want EMAIL address for Robert McGwier
Summary: EMAIL Robert McGwier
Keywords: Robert McGwier
Message-ID: <1991Jan11.212206.16263@ux1.cso.uiuc.edu>
Date: 11 Jan 91 21:22:06 GMT
Organization: University of Illinois at Urbana
Lines: 62
Posted: Fri Jan 11 15:22:06 1991

Sorry for posting this here, but until a working E-mail address is found I don't have much of a choice. Hopefully this will be resolved soon. If not I have some tricks in my back pocket that I prefer to hold off using since they cause a lot of network traffic.

I tried sending some E-mail to Robert McGwier at the address shown in his posting and it was bounced back as "User unknown". The address used was:

    mac@idacrd.UUCP

There was no alternate address in his signature.

Here is the header of one of his postings:

> From: mac@idacrd.UUCP (Robert McGwier)
> Newsgroups: rec.ham-radio
> Subject: Re: DSP for the non-EE
> Message-ID: <849@idacrd.UUCP>
> Date: 10 Jan 91 21:37:57 GMT
> References: <4520@lib.tmc.edu>
> Organization: idacrd, princeton, nj
> Lines: 45

Here is the bounce I received:

```
> From MAILER-DAEMON@uxc.cso.uiuc.edu Fri Jan 11 14:19:10 1991
> Received: from uxc.cso.uiuc.edu by ux1.cso.uiuc.edu with SMTP id AA05244
>   (5.65a/IDA-1.4.2 for phil); Fri, 11 Jan 91 14:19:08 -0600
> Received: by uxc.cso.uiuc.edu id AA10261
>   (5.65a/IDA-1.4.2.3 for phil@ux1.cso.uiuc.edu); Fri, 11 Jan 91 14:16:45 -0600
> Date: Fri, 11 Jan 91 14:16:45 -0600
> From: Mail Delivery Subsystem <MAILER-DAEMON@uxc.cso.uiuc.edu>
> Message-Id: <9101112016.AA10261@uxc.cso.uiuc.edu>
> To: phil@ux1.cso.uiuc.edu
> Subject: Returned mail: User unknown
> Status: R
>
>    ----- Transcript of session follows -----
> While talking to uunet.UU.NET:
> >>> RCPT To:<uunet!idacrd!mac>
> <<< 550 <uunet!idacrd!mac>... User unknown
> 550 <mac@idacrd.UUCP>... User unknown
>
>    ----- Unsent message follows -----
> Received: from ux1.cso.uiuc.edu by uxc.cso.uiuc.edu with SMTP id AA10258
>   (5.65a/IDA-1.4.2.3 for uunet!idacrd!mac); Fri, 11 Jan 91 14:16:45 -0600
> Received: by ux1.cso.uiuc.edu id AA05094
>   (5.65a/IDA-1.4.2 for mac@idacrd.UUCP); Fri, 11 Jan 91 14:17:28 -0600
> Date: Fri, 11 Jan 91 14:17:28 -0600
> From: Phil Howard KA9WGN <phil@ux1.cso.uiuc.edu>
> Message-Id: <9101112017.AA05094@ux1.cso.uiuc.edu>
> To: mac@idacrd.UUCP
> Subject: Re: DSP for the non-EE
> Newsgroups: rec.ham-radio
> References: <4520@lib.tmc.edu> <849@idacrd.UUCP>
>
> In rec.ham-radio you write:

--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From -990798399582802475
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6569e351a5eb59a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 13:32:24 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!hplabs!hpda!hpcuhb!hpscdc!
rkarlqu
From: rkarlqu@hpscdc.scd.hp.com (Richard Karlquist)
Newsgroups: rec.ham-radio
Subject: Re: Cushcraft R5
Message-ID: <5490113@hpscdc.scd.hp.com>
Date: 11 Jan 91 21:32:24 GMT
References: <E15ED8622B7F00665F@ROSEVC.Rose-Hulman.Edu>
Organization: Hewlett-Packard, Santa Clara Div.
```

Lines: 16
Posted: Fri Jan 11 15:32:24 1991

> I don't have experience with the Butternut vertical, but I do know that
> it's not a 1/2 wave vertical. The advantage of the R-5 is that, being
> a 1/2 antenna, it doesn't require a ground plan to be effective. This
>   Bob Cutler
>   KE7ZJ
> ----------

The FACT of the matter is that *neither* the Butternut nor the R-5 is anywhere
near a free-space half-wave (33 feet) on 20 meters, but the Butternut is
actually physically longer than the R5 by a good 5 feet.

As I already pointed out, making it an electrical half wave is a suboptimal mode
of operation if you can afford to have radials. If you can't, the R5 is better
than a Butternut w/o radials.

Rick N6RK

From 6385577077050478918
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a69f5190ce9bd710
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 13:35:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!sdd.hp.com!hplabs!hpda!hpcuhb!bobh
From: bobh@hpcuhb.cup.hp.com (Bob Headrick)
Newsgroups: rec.ham-radio
Subject: Re: How to find WB8ECC?
Message-ID: <10510017@hpcuhb.cup.hp.com>
Date: 11 Jan 91 21:35:35 GMT
References: <CMM.0.88.663531738.rdixon@magnus.ircc.ohio-state.edu>
Organization: Hewlett Packard, Cupertino
Lines: 25

>/ hpcuhb:rec.ham-radio / Bob_Dixon@osu.edu / 10:22 am Jan 10, 1991 /
>I am the QSL manager for the 8E callsigns. I have about 100 cards for
>WB8ECC, and they are still coming in. He has never sent in any envelopes,
>but I would like to ask him to do so. But he has not been listed in
>recent callbooks.
>Is he a pirate?
>Is his license expired and he doesn't know it?
>Are the FCC files fouled up?
>Any help in finding this guy would be most appreciated.
>
>   Bob Dixon
>   W8ERD

From the 1989 FCC database:
WB8ECC James Grove
        Rt 1 Box 154

Bens Run WV 26135

His liceince expired on Dec 31, 1987.

Bob Headrick WA7OVU
bobh@hpda.hp.com or WA7OVU@N4LDL

>----------

From -8280961118087700971
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ccd94040315cfee1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 13:53:48 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!samsung!uakari.primate.wisc.edu!sdd.hp.com!usc!apple!agate!shelby!unix!hplabs!hpfcso!jws
From: jws@hpfcso.HP.COM (John Schmidt)
Newsgroups: rec.ham-radio
Subject: Re: Radio Shack Bashing
Message-ID: <7500085@hpfcso.HP.COM>
Date: 11 Jan 91 21:53:48 GMT
References: <9101111518.AA29048@ucsd.edu>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 10
Posted: Fri Jan 11 15:53:48 1991

I don't care about RS having my name and address because I WANT to stay on the mailing list...I think too many folks in this group (and USENET/Internet in general) are overly paranoid about such things. I couldn't care less if they track what parts or other goodies I buy there. (Are you worried that someday the government might track down your unregistered radio???)

John, NK0R

(But I don't give my phone number at gas stations -- if they ask for "a phone" 303 499-7111 is a good one.)

From -2218162492077433382
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d5640da8fe5eb19,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 13:58:25 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: What is a good rig for VHF/UHF?
Message-ID: <9101112158.AA05989@cmr.ncsl.nist.gov>
Date: 11 Jan 91 21:58:25 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology

formerly National Bureau of Standards
Lines: 32

Regarding Mike Owen's (W9IP) reply to Jeff NK3O's question:

It seems to me that the OLD Yeasu FT-726R answers a number of Mike's complaints about the '736. I leave the memories set in pairs for scanning the DX sections of a band. A simple push of the scan button then allows me to tune within the scanned range. By having scanning pairs on 6, 2, and 3/4, I can quickly switch between the bands in any order with the memory selection rotary switch.

I used the rig with an old TAPR packet modem for my meteor-burst 6-meter contacts years ago. The FM-FM modulation is certainly not the way to go for weak signal work - but it WAS quick and easy.

I find the '726 doesn't really need a preamp on 6, but does on 2, and REALLY DOES on 3/4. The '726 doesn't have a 220 module. It doesn't tune outside the ham bands. I have the 15-12-10 meter module - just 10 W - anyone want it? Having just 3 internal band-module locations, and no provision for an expansion chassis seems like poor planning in the 726.

Anyhow, a used Yaesu 726 might be a good choice for the money.

MY EMPLOYER WOULD HAVE A FIT IF IT NEW I WAS EVEN HINTING THAT A CERTAIN RIG MIGHT BE A GOOD CHOICE. Hi.

73, Bob W3OTC

PS: I tried various bit combinations on the band-indicator bus, and find that the display will indicate all the bands from 160m through 450 MHz, including 220. Either Yeasu was thinking big about more RF modules, or the display is common to a number of their rigs.
B.

From 761280605571879737
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9db0794c573ac9f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 14:05:55 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!raphael!wws
From: wws@raphael.cray.com (Walter Spector)
Newsgroups: rec.ham-radio
Subject: Re: Ramsey kits
Message-ID: <155413.23505@timbuk.cray.com>
Date: 11 Jan 91 22:05:55 GMT
References: <"11-Jan-91..9:50:54.CST".*.Mike_Beezley.Houston@Xerox.com>
<1991Jan11.192301.1682@bronze.ucs.indiana.edu>
Reply-To: wws@raphael.cray.com (Walter Spector)
Organization: Cray Research, Inc.
Lines: 24

In article <1991Jan11.192301.1682@bronze.ucs.indiana.edu>,
anachem@silver.ucs.indiana.edu (|mehcana| (undersampled)) writes:
>
> so....Where can one obtain these Ramsey kits?

I've seen them at:
Quement Electronics
1000 S. Bascom Ave.
San Jose, Cal.
(408) 998-5900

Prices ranged from $25 to $35 + optional case (extra $5 or so). Don't know who else carries them.

The responses so far show that they have had some value to those who have built them. Looks like each of the posters who have built one has then expanded
it in some way and so on. These simple kits appear to be a nice catalyst.
The spirit of homebrewing simple gear does seem to live on!

Walt Spector
(wws@renaissance.cray.com)
Sunnyvale, California
_._ _._ _.... _. ._.

From -6793469962066402308
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8163a0129de4dc0e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107518,5b78f2aaadf284fc
X-Google-Attributes: gid107518,public
X-Google-ArrivalTime: 1991-01-11 14:24:53 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!cica!bronze!commgrp@silver.ucs.indiana.edu
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio,misc.consumers
Subject: Re: Radio Shack bashing
Message-ID: <1991Jan11.153316.27777@bronze.ucs.indiana.edu>
Date: 11 Jan 91 15:33:16 GMT
Sender: daemon@bronze.ucs.indiana.edu (Mr Background)
Organization: Indiana University
Lines: 48
Xref: gmdzi rec.ham-radio:19189 misc.consumers:3287

Radio Shack was soundly bashed on rec.humor about 2 years ago. Some excerpts:

>>I'm looking for ways to gracefully/creatively avoid giving my name
>>and address to a computer when paying cash at Radio Shack, Service
>>Merchandise and other stores which request it for their junk-mail
>>lists (which they sell to others, so you get a flood of the stuff).

```
>>They tell you they need the information to protect your warranty,
>>which is a lie.)  It's damned annoying, a bad precedent, and I don't
>>care to justify the existence of yuppie staticians...
-***-
>actually, the last time my SO went to radio shack and was asked for
>his address and he declined, the cashier made some big deal about
>"quotas".  He still refused to give an address and phone.  then, he
>got back to his office still fuming about it, so he called the president
>of radio shack.  getting the secretary, he started into a long tirade
>about what had happened and said something like "I'm sure the president
>is too busy to talk to a customer", and when the secretary could finally
>get a word in edge-wise, she said, "the president is available now".
>so, my SO had a talk with the president of radio shack.  he said that
>the line the cashier had fed him about "quotas" was not his policy.
-***-
>(unconfirmed):  If you tell them you don't have a phone, they won't
>pester you further.
-***-
> James T. Kirk
> 1701 Enterprize Drive
> Alphaville, Arkansas  66666
> (any area code) 328-7448
>                 ^^^ ^^^^ of course, you know what that spells!
-***-
>"How about lower prices instead of junk mail?"
-***-
>"It's bad enough having to give my name and address for buying guns
>and dynamite.  I'll be damned if I'll give it for _this_ sh*t!"
-***-
```

It's nice to be able to buy a 741 or 555 in almost any third-world county in the U.S. Otherwise, I boycott RS because of their obnoxious database scam.

I suggest that someone who has collected the present ongoing RS-bashing send it to the RS CEO, and tell him how widely this net is read.

--

Frank   reids@ucs.indiana.edu

```
From -2795837959081513824
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8163a0129de4dc0e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107518,5b78f2aaadf284fc
X-Google-Attributes: gid107518,public
X-Google-ArrivalTime: 1991-01-11 14:24:53 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!think.com!yale!hsdndev!
husc6!endor!albert
From: albert@endor.uucp (David Albert)
```

Newsgroups: rec.ham-radio,misc.consumers
Subject: Re: Radio Shack bashing
Message-ID: <5295@husc6.harvard.edu>
Date: 11 Jan 91 16:20:26 GMT
References: <1991Jan11.153316.27777@bronze.ucs.indiana.edu>
Sender: news@husc6.harvard.edu
Reply-To: albert@endor.UUCP (David Albert)
Organization: Aiken Computation Lab, Harvard University
Lines: 11
Xref: gmdzi rec.ham-radio:19195 misc.consumers:3289

commgrp@silver.ucs.indiana.edu (BACS Data Communications Group) writes:
>>(unconfirmed): If you tell them you don't have a phone, they won't
>>pester you further.

No telephone, nothing! When *I* pay cash, I just tell
them I don't have a *name*! That usually stops the
conversation pretty quickly.

```
----------------------------------------------__------------------------------
David Albert                  |  /  )                  /
UUCP: ...!harvard!albert           | /  /  __.  , ___o   __/
INTERNET: albert@harvard.edu            |/__/__(_/|__\/  <___(_/_
```

From -8957443589982804076
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a957b481268e2f40
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 15:06:45 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: Other's view of codefree
Message-ID: <y2TmV4w163w@phoenix.com>
Date: 11 Jan 91 23:06:45 GMT
References: <1050.278DAC3F@w8grt.fidonet.org>
Organization: Not BIFF At All (NBAA)
Lines: 16

jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

> Sorry I brought it up. I forgot that the purpose of Usenet newsgroups is to
> generate opportunities for little people to demonstrate their intellectual
> prowess by picking to pieces even the most innocuous comments.

Proofs should not be called "innocuous comments". You wanted to prove
a hypothesis -- and the material you provided in support, didn't. If you
can't handle that, I, too, am sorry. If you can't handle anything but ad-
hominum arguments, again, I am sorry. By all means, feel free to assault
the person when you can't support your position.

> Jim Grubs - via the friendly folks at UUNET

P.S. Your news software is broken. It is failing to mark replies with
Re: in the subject.

From -3264891499130791973
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c55e50e69cc8932,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 15:13:14 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!wuarchive!kuhub.cc.ukans.edu!heacock
From: heacock@kuhub.cc.ukans.edu (Doug Heacock)
Newsgroups: rec.ham-radio
Subject: Thanks from the rank beginner
Message-ID: <27824.278df22b@kuhub.cc.ukans.edu>
Date: 11 Jan 91 23:13:14 GMT
Organization: University of Kansas Academic Computing Services
Lines: 14

Thanks to all who responded to my recent request for help getting
started in ham radio. Just reading this group has been educational,
but I especially want to thank Dave Heller, Gary Coffman and John
Woods for their helpful and encouraging notes.

Now I've got a list of books to search for, some magazine titles, and
several good ideas about where to begin, all within a couple of days
of my original posting. Isn't the net great?! (I envision the world
of ham radio to be much the same...)

```
+===========================================+============================+
| Doug Heacock, Academic Computing Services | heacock@kuhub.cc.ukans.edu |
| The University of Kansas, Lawrence, KS    | heacock@ukanvax.bitnet     |
+===========================================+============================+
```

From -4622638675600118623
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9db0794c573ac9f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 15:28:47 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!ucbvax!XEROX.COM!
Mike_Beezley.Houston
From: Mike_Beezley.Houston@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Re: Ramsey kits
Message-ID: <"11-Jan-91.17:28:47.CST".*.Mike_Beezley.Houston@Xerox.com>
Date: 11 Jan 91 23:28:47 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 23

For those of you looking for the Ramsey address:

Their address is:

Ramsey Electonics
793 Canning Parkway
Victor,NY   14564
(716) 924-4555

73
__mike N5PWP@WA4EWV.TX

I am not employed by Ramsey nor do I have _any_ connection this is FYI.

From -3593900133689468944
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c7128dfcbfe1bb21
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 15:52:45 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: Crystal CW portable
Message-ID: <58130014@hpcupt1.cup.hp.com>
Date: 11 Jan 91 23:52:45 GMT
References: <0mNkV8w163w@phoenix.com>
Organization: Hewlett Packard, Cupertino
Lines: 9

John,
Tried to e-mail you but it bounced. Both Harris and Ten-Tec make
channelized HF commercial gear. You might try both of them, although
you might not like the price. Ten-Tec's number is in the adds in both
QST and CQ. If you can't run down a number for Harris, try ARRL HQ.
They used Harris gear in the recent W1AW upgrade and they may be able
to give you a pointer.
73's, Jim
holly@hpcupt1.cup.hp.com

From 8215608910820895435
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85d9209861665035

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 16:38:39 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!apple!julius.cs.uiuc.edu!
zaphod.mps.ohio-state.edu!swrinde!ucsd!qualcom.qualcomm.com!kleing
From: kleing@qualcomm.com (Klein Gilhousen)
Newsgroups: rec.ham-radio
Subject: Re: Is a passive reflector ever a "transmitter"?
Message-ID: <1991Jan12.003839.2231@qualcomm.com>
Date: 12 Jan 91 00:38:39 GMT
References: <1894@starfish.Convergent.COM> <1250324@hpnmdla.HP.COM>
<1912@atlas.tegra.COM>
Organization: Qualcomm Inc., San Diego, CA
Lines: 19

In article <1250324@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:

>My brothers and I have been wondering about a way for us to communicate

The idea lacks only a way to convey your information rather than whatever
is already modulated on the signal picked up by the antenna.

Consider including a switch to gate the energy picked up by the first
antenna on and off on the way to the transmitting antenna. You could
employ something really exotic, like, maybe Morse code to convey a
message. The receiver then looks for presence or absense of energy
from your location. If the intended receiver can also receive the signal
you are using as an energy source then you could use a correlation receiver
to optimally extract the message.

Good luck with this. Is is legal? Hey, I'm no lawyer.

Klein S. Gilhousen, WT6G
QUALCOMM, Inc.

From -5858164151897727528
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,59b9efee15b926e4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 16:46:29 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!mintaka!snorkelwacker.mit.edu!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Finding email addresses (Was: Re: Want EMAIL address for Robert McGwier)
Summary: How to avoid having to post requests for email help
Keywords: email paths
Message-ID: <48002@apple.Apple.COM>
Date: 12 Jan 91 00:46:29 GMT
References: <1991Jan11.212206.16263@ux1.cso.uiuc.edu>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 41
Posted: Fri Jan 11 16:46:29 1991

In article <1991Jan11.212206.16263@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN) writes:
>
>I tried sending some E-mail to Robert McGwier at the address shown in his
>posting and it was bounced back as "User unknown". The address used was:
>
>   mac@idacrd.UUCP
>
>There was no alternate address in his signature.

You could always go backwards on the same path his posting took to get to you. In rn, you can view that path by typing "v" to restart the posting in the verbose mode. Here's the path one of Bob's postings took to get to apple:

```
     apple!sun-barr!cs.utexas.edu!wuarchive!udel!princeton!idacrd!mac
```

Thus, I can be sure of getting to idacrd if I address email via those same hosts in the reverse order. If you can find a shortcut to princeton, you can eliminate everything before it. (In Phil's case that should be a cinch, because both his host and princeton are on the Internet.)

There's also the "uupath" command from your UNIX shell, of course. When I tried it, I got "uunet.uu.net!idacrd". I don't know why that path didn't work for Phil; maybe uunet hiccupped.

In any event, I would think that a "usa" distribution would have been sufficient to solve the problem. I'm retaining worldwide distribution only because I hope that this followup information may be useful to others.

Subsequent followups should probably go to one of the mail discussion newsgroups.

Patty

```
--
*****************************************************************************
Patty Winter N6BIS                        INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                     UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From 8138772479617055380
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,647c3b466ab86436,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 16:53:22 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!apple!agate!ucbvax!WSUVM1.CSC.WSU.EDU!WHELCHEL
From: WHELCHEL@WSUVM1.CSC.WSU.EDU
Newsgroups: rec.ham-radio

```
Subject: Re: Info-Hams Digest V91 #28
Message-ID: <9101120052.AA11881@ucsd.edu>
Date: 12 Jan 91 00:53:22 GMT
References: <info-hams-relay@UCSD.EDU>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 27
X-Unparsable-Date: Fri, 11 Jan 91 16:50:23 PLT
```

Here is an item that might be of interest to the list.

--------------- Forwarded from steve@avalon.dartmouth.edu (Steve Campbell)-------------------

Lotus Development Corp. is bringing out a series of CD-ROMs in March that will include personal information on 120,000,000 individual Americsans, including an estimate of each person's income!

If you DON'T want to be in Lotus's "First Edition" I suggest you call this number pronto

800-225-5800

and ask Lotus to send you the necessary cards to remove names of each person in your family. They told me yesterday the cards will take 2 weeks to arrive and that I won't be on the CD-ROMs if I return them. How considerate of them.

For general commenting, you can write them at

Lotus Development Corp.
Attn.: Market Name Referral Service
55 Cambridge Parkway
Cambridge, Mass. 02142
tel. 617-577-8500

```
From 8179426680552697438
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1bfe99081f447df
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 17:19:50 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!samsung!usc!wuarchive!ukma!
usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: A New Topic to Beat to Death! (Was Codeless Tech)
Message-ID: <1991Jan12.011950.25914@NCoast.ORG>
Date: 12 Jan 91 01:19:50 GMT
References: <1871@sun13.scri.fsu.edu> <1991Jan10.205605.4469@midway.uchicago.edu>
<1991Jan10.224736.12403@ux1.cso.uiuc.edu>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
```

Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 26
Posted: Fri Jan 11 19:19:50 1991

As quoted from <1991Jan10.224736.12403@ux1.cso.uiuc.edu> by phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN):

```
+---------------
| 1.  New Tech passing 1(A).
+---------------
```

Addressed, as you noted.

```
+---------------
| 2.  Novice upgrading to Tech.
+---------------
```

Addressed: Novices upgrading to Tech after 2/14/91 must retain their Novice licenses indefinitely as proof of passing element 1A.

```
+---------------
| 3.  Tech before Feb 14, 1991.
+---------------
```

Addressed: same as 2, retain the pre-2/14/91 Tech license as proof of 1A.

++Brandon

```
--
Me: Brandon S. Allbery              VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR              AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

From 3955548970993514727
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e77bb3d7300ae6ef
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 17:23:18 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!wuarchive!ukma!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: Subj: Re: An Outside Viewpoint
Message-ID: <1991Jan12.012318.25997@NCoast.ORG>
Date: 12 Jan 91 01:23:18 GMT
References: <9101072148.AA03148@tilde> <755@ssc.UUCP>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 24

As quoted from <755@ssc.UUCP> by tad@ssc.UUCP (Tad Cook):

+---------------
| This reminds me....I have heard that if some minor part on the motherboard
| of your average clone computer fails (say a DIODE, which costs about 9 cents)
| that NO ONE who you take your PC to for repair will ever replace the
| diode. They always charge you for a NEW MOTHERBOARD, since a failure on
| the motherboard is regarded as too complex, and they never attempt
| component level troubleshooting on these things anyway.
| Is this true?
+---------------

Usually, yes. But consider --- with the cost of labor on component-level repairs, is it cheaper to buy a new motherboard or to pay for 10 hours of labor to find one failed diode out of all the parts on the motherboard? This one makes sense. (It does *not* make sense that they won't replace the diode if you point it out to them... but if you can point it out to them, you can probably repair it yourself and save even more money.)

++Brandon
--
Me: Brandon S. Allbery   VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG   Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR   AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery   Delphi: ALLBERY

From 2433752067715162388
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61af29cc97398063
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 17:37:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!agate!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9101120137.AA08985@blackbird.afit.af.mil>
Date: 12 Jan 91 01:37:18 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 402

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #796 -
Alouette 1
1 00424U 62B-A  1 90363.26635297  .00000233  00000-0  26894-3 0  3793
2 00424  80.4635  93.7482 0023852 129.3887 230.9365 13.67434785409356
```

```
ATS 3
1 03029U 67111  A 91  7.05169201 -.00000075  00000-0  99999-4 0  4897
2 03029  13.4612  19.4726 0016225 221.8149 138.0104  1.00272505 84837
Cosmos 398
1 04966U 71 16  A 91 10.31350651  .00087336  19011-4  44418-3 0  3367
2 04966  51.5173  65.9726 2128378 187.6890 168.5598 11.37251090614916
Starlette
1 07646U 75010  A 91  7.40173068  .00000023  00000-0  65794-4 0  1848
2 07646  49.8246  72.6924 0206593 145.6299 215.8158 13.82148720804029
LAGEOS
1 08820U 76039  A 91  2.91916753  .00000005  00000-0  00000 0 0  1789
2 08820 109.8532  63.5516 0044585 196.0315 163.9114  6.38664339 86697
GOES 2
1 10061U 77048  A 91 10.03621570 -.00000256  00000-0  99999-4 0  5404
2 10061   8.5514  61.1891 0002673  18.2100 341.7526  1.00252987 51085
IUE
1 10637U 78012  A 91  9.17709305 -.00000185  00000-0  99999-4 0  1891
2 10637  32.6340 115.5894 1416984 358.8779   0.7622  1.00243983  8522
GPS-0001
1 10684U 78020  A 91  6.86939551  .00000005  00000-0  99999-4 0  5886
2 10684  63.8302  83.2491 0124764 198.3333 161.2579  2.00554675 79937
GPS-0002
1 10893U 78 47  A 91  6.36304638 -.00000023  00000-0  00000 0 0  2961
2 10893  64.2867 324.1197 0169621  23.5447 337.2156  2.00537477 92747
GOES 3
1 10953U 78062  A 91  3.37556378  .00000109  00000-0  99999-4 0   213
2 10953   7.3604  64.4317 0007201 115.7231 243.0752  1.00272596  6927
SeaSat 1
1 10967U 78064  A 91  9.53487484  .00000881  00000-0  34484-3 0  4460
2 10967 108.0241  26.1826 0003317 253.7344 106.3411 14.36124656656076
GPS-0003
1 11054U 78093  A 91 10.11118293 -.00000022  00000-0  00000 0 0  3397
2 11054  63.8174 320.1837 0060170 118.8493 241.7685  2.00570685 89838
Nimbus 7
1 11080U 78098  A 91  9.28321454  .00000109  00000-0  12827-3 0  7272
2 11080  99.1800 274.3653 0008416 254.3713 105.6513 13.83489480616533
GPS-0004
1 11141U 78112  A 91  8.73135013  .00000005  00000-0  00000 0 0  1051
2 11141  63.8130  83.0663 0061118 312.6144  46.9106  2.00549740 88503
GPS-0005
1 11690U 80 11  A 91  8.37249405  .00000006  00000-0  00000 0 0   883
2 11690  64.3073  85.3088 0121536 203.0039 156.5076  2.00553299 94355
GPS-0006
1 11783U 80 32  A 91  8.17588337 -.00000022  00000-0  99999-4 0  3250
2 11783  63.6151 319.7600 0150431  58.6960 302.9651  2.00565357 78439
GOES 5
1 12472U 81049  A 91  4.27008966  .00000086  00000-0  99999-4 0   286
2 12472   3.9718  73.2002 0002043 252.5101 107.3059  1.00218672 34240
SME
1 12887U 81100  A 91 10.17428589  .00149731  00000-0  83283-3 0   534
2 12887  97.5951  78.2554 0002064 137.2187 222.8947 15.79052268513576
Salyut 7
1 13138U 82 33  A 91 10.93386805  .00287421  41877-4  48639-3 0  7216
```

```
2 13138  51.5945 312.0271 0003245 105.5489 254.5874 16.02110515497635
Cosmos 1383
1 13301U 82 66  A 91  3.38352952  .00000101  00000-0  10648-3 0  6801
2 13301  82.9320 154.0571 0027819 332.7723  27.1971 13.67869346425046
LandSat 4
1 13367U 82 72  A 91  9.20233547  .00000941  00000-0  21857-3 0  6429
2 13367  98.1377  72.3823 0003277 189.6589 170.4548 14.57140003451304
IRAS
1 13777U 83  4  A 91  6.41737364  .00000479  00000-0  35542-3 0  8879
2 13777  99.0131 204.9770 0012548 183.0647 177.0445 13.98868352 75359
Cosmos 1447
1 13916U 83 21  A 91  7.59454320  .00000096  00000-0  95684-4 0  7767
2 13916  82.9429 220.9328 0037106 292.3749  67.3473 13.74088526390742
TDRS 1
1 13969U 83 26  B 91 10.34909672  .00000128  00000-0  99999-4 0  2362
2 13969   4.9752  64.0629 0003689 216.6286 143.4979  1.00275562  1423
GOES 6
1 14050U 83 41  A 91  8.29036564  .00000120  00000-0  99999-4 0  3502
2 14050   2.7426  75.6852 0000465 318.6848  41.1551  1.00273257   193
OSCAR 10
1 14129U 83 58  B 91  3.16142974  .00000017  00000-0  00000 0 0  6330
2 14129  25.9096 167.3234 5971064 205.6904 105.3887  2.05880218 28853
GPS-0008
1 14189U 83 72  A 91  9.60317439  .00000004  00000-0  99999-4 0  8852
2 14189  63.4701  81.4006 0144909 223.1040 135.7973  2.00569196 54905
LandSat 5
1 14780U 84 21  A 91 10.40100055  .00000427  00000-0  99999-4 0  4886
2 14780  98.2578  72.4728 0003255 138.5145 221.6287 14.57089712364895
UoSat 2
1 14781U 84 21  B 91  8.63895420  .00001618  00000-0  30292-3 0  8995
2 14781  97.9244  59.2388 0012202 320.8673  39.1641 14.66050009366065
GPS-0009
1 15039U 84 59  A 91  6.78386345  .00000003  00000-0  00000 0 0  1493
2 15039  63.2136  80.6148 0026554 225.0870 134.7462  2.00566695 48125
Cosmos 1574
1 15055U 84 62  A 91  5.66699539  .00000098  00000-0  99002-4 0   198
2 15055  82.9572 273.0374 0028353 116.6555 243.7513 13.73400648327864
GPS-0010
1 15271U 84 97  A 91  7.22618757 -.00000022  00000-0  00000 0 0  9915
2 15271  63.1091 319.2457 0111241 330.0189  29.3452  2.00562382 45241
Cosmos 1602
1 15331U 84105  A 91  7.92299272  .00003099  00000-0  41381-3 0  4536
2 15331  82.5362 171.0225 0024194  24.5358 335.6978 14.79110084338343
NOAA 9
1 15427U 84123  A 91  9.51183279  .00000296  00000-0  18005-3 0  6892
2 15427  99.1719  19.2186 0015677 146.8002 213.4146 14.12774219313119
Cosmos 1686
1 16095U 85 86  A 91  9.87332687  .00245761  31568-4  43208-3 0  8813
2 16095  51.5930 317.7121 0001972 103.3356 256.9417 16.01485803497468
GPS-0011
1 16129U 85 93  A 91 10.43592296  .00000004  00000-0  00000 0 0  7075
2 16129  63.9935  81.6644 0123998 148.2800 212.5220  2.00564491 38512
Mir
```

```
1 16609U 86 17  A 91 10.02377494  .00022941  00000-0  25878-3 0  1949
2 16609  51.6117   8.6675 0025834 102.8771 257.5051 15.62005330280409
SPOT 1
1 16613U 86 19  A 91  9.24122278  .00000549  00000-0  27570-3 0  2162
2 16613  98.7138  85.8032 0000777   2.6768 357.4417 14.20040368 93170
Cosmos 1766
1 16881U 86 55  A 91 10.22139182  .00003857  00000-0  52156-3 0  2771
2 16881  82.5235 227.6886 0022727  36.4725 323.7995 14.78645685239733
EGP
1 16908U 86 61  A 91  7.40160490 -.00000025  00000-0  99999-4 0  3335
2 16908  50.0116 348.1856 0011235 359.0907   0.9905 12.44391428200282
NOAA 10
1 16969U 86 73  A 91 10.52346883  .00000458  00000-0  21630-3 0  5364
2 16969  98.5817  38.6527 0014258  30.7356 329.4655 14.23852969224119
MOS-1
1 17527U 87 18  A 91 10.22738603  .00000355  00000-0  28904-3 0  7355
2 17527  99.0889  84.9094 0000475  74.9673 285.1538 13.94895097198121
GOES 7
1 17561U 87 22  A 91  6.00746538 -.00000044  00000-0  99999-4 0  7062
2 17561   0.0568 107.8485 0004785 271.2585 340.9165  1.00268967  7608
Kvant-1
1 17845U 87 30  A 91  9.89584532  .00042064  00000-0  46780-3 0  4399
2 17845  51.6148   9.3088 0026677  99.0671 261.4388 15.62004413215118
DMSP B5D2-3
1 18123U 87 53  A 91 10.43048339  .00000173  00000-0  99999-4 0  8239
2 18123  98.8103 203.2510 0015023 150.1068 210.0987 14.14279938183693
RS-10/11
1 18129U 87 54  A 91  9.97185187 -.00000522  00000-0 -58051-3 0  4875
2 18129  82.9252 175.7496 0010525 265.3179  94.6760 13.72133997177806
Meteor 2-16
1 18312U 87 68  A 91  5.72736538  .00000220  00000-0  18868-3 0  5950
2 18312  82.5558 129.7723 0013420  48.4694 311.7609 13.83713670170998
Meteor 2-17
1 18820U 88  5  A 91  5.56798786  .00000107  00000-0  90548-4 0  4422
2 18820  82.5430 189.5682 0017369 112.4401 247.8595 13.84407038148181
DMSP B5D2-4
1 18822U 88  6  A 91 10.41362339  .00000576  00000-0  27929-3 0  7667
2 18822  98.6155 249.8502 0007185  38.1423 322.0274 14.21700322152267
Glonass 34
1 19163U 88 43  A 91 10.55878499  .00000020  00000-0  99999-4 0  1329
2 19163  64.9177 152.2011 0007156 181.0568 178.9175  2.13102561 20568
Glonass 36
1 19165U 88 43  C 91 10.14650953  .00000020  00000-0  00000 0 0  1396
2 19165  64.8988 152.2172 0003480 347.5527  12.4151  2.13102780 20555
AO-13
1 19216U 88 51  B 91  9.24523260 -.00000095  00000-0  99999-4 0  2340
2 19216  56.8452 116.5505 7100265 244.5005  29.0596  2.09702068 19729
OKEAN 1
1 19274U 88 56  A 91  9.49386523  .00002573  00000-0  35323-3 0   288
2 19274  82.5177 327.0856 0021954 164.4968 195.6920 14.77888472135383
Meteor 3-2
1 19336U 88 64  A 91  5.74211151  .00000033  00000-0  73043-4 0  6977
2 19336  82.5421 134.1331 0016852 163.7108 196.4556 13.16908587117610
```

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Glonass 39
1 19503U 88 85  C 91  9.69699317 -.00000017  00000-0  99999-4 0   467
2 19503  65.4106  31.6305 0006347 203.6793 156.3420  2.13103449 18030
NOAA 11
1 19531U 88 89  A 91  9.34033220  .00000700  00000-0  40408-3 0  4438
2 19531  99.0107 323.1672 0012876  65.4879 294.7632 14.11856370118058
TDRS 2
1 19548U 88 91  B 91  4.19710955  .00000112  00000-0  99999-4 0  2293
2 19548   0.6172  81.1619 0004250 169.5582 109.2234  1.00266446  6936
Glonass 40
1 19749U 89  1  A 91  9.73806305  .00000020  00000-0  99999-4 0  8315
2 19749  64.8650 151.8956 0005038 272.1844  87.7454  2.13101877 15562
Glonass 41
1 19750U 89  1  B 91  9.79627723  .00000020  00000-0  99999-4 0  8903
2 19750  64.8766 151.9166 0004819 242.6439 117.2887  2.13102180 15561
GPS BII-01
1 19802U 89 13  A 90350.38029847  .00000017  00000-0  99999-4 0  2281
2 19802  55.0450 190.2251 0052192 161.1231 199.1398  2.00553388 13407
Akebono
1 19822U 89 16  A 91 10.86027679  .00026301  00000-0  18570-2 0  8929
2 19822  75.0807 136.3309 4122218  88.1623 317.2840  7.20473709 14698
Meteor 2-18
1 19851U 89 18  A 91  5.59280806  .00000191  00000-0  16196-3 0  3938
2 19851  82.5214  67.2066 0014900 151.6982 208.4996 13.84045723 93569
MOP-1
1 19876U 89 20  B 91  2.71666649  .00000027  00000-0  99999-4 0  1762
2 19876   0.1583  10.7386 0002365 272.1359  77.0792  1.00280356  2661
TDRS 3
1 19883U 89 21  B 90361.84682812 -.00000237  00000-0  99999-4 0  2251
2 19883   0.6333  81.5147 0003240 207.4048  71.0428  1.00262568 76832
GPS BII-02
1 20061U 89 44  A 90343.73124429 -.00000034  00000-0  99999-4 0  2311
2 20061  54.8388   8.7128 0089319 181.9510 178.0573  2.00566968 11014
Nadezhda 1
1 20103U 89 50  A 91  5.74473729  .00000115  00000-0  11173-3 0  2936
2 20103  82.9617 135.6994 0036683 192.8466 167.1756 13.73636237 75523
GPS BII-03
1 20185U 89 64  A 90350.05472694  .00000016  00000-0  99999-4 0  1726
2 20185  54.9002 191.0630 0021894 161.1624 198.9908  2.00573506  9712
GPS BII-04
1 20302U 89 85  A 90365.54298174 -.00000025  00000-0  99999-4 0  1742
2 20302  54.4927 309.0183 0033447 328.1260  39.5831  2.00555364  8824
Meteor 3-3
1 20305U 89 86  A 91  9.19816196  .00000043  00000-0  99999-4 0  3092
2 20305  82.5494  72.7165 0017229 172.0673 188.0812 13.15934425 58041
COBE
1 20322U 89 89  A 91  9.54297198  .00000115  00000-0  85999-4 0  2407
2 20322  99.0207  22.8721 0009086 151.6227 208.5439 14.02936077 58426
Kvant-2
1 20335U 89 93  A 91 10.02377833 -.00113067  00000-0 -12808-2 0  5386
2 20335  51.6071   8.6707 0025695 101.6914 258.6977 15.61952367 64067
GPS BII-05
1 20361U 89 97  A 90350.59711931  .00000014  00000-0  99999-4 0  1231
```

```
2 20361  55.0071 133.1209 0064560  57.5897 302.9975  2.00584011  7387
SPOT 2
1 20436U 90  5  A 91  9.62894919  .00000321  00000-0  16892-3 0  4581
2 20436  98.7145  86.2579 0000946 105.5290 254.5985 14.20039519 50040
UO-14
1 20437U 90  5  B 91  8.22970154  .00000474  00000-0  20368-3 0  2897
2 20437  98.6797  88.5761 0010696 277.8639  82.1306 14.28841083 50142
UO-15
1 20438U 90  5  C 91  5.63333603  .00000290  00000-0  13154-3 0  1814
2 20438  98.6859  85.9304 0009679 285.4855  74.5260 14.28513056 49766
PACSAT
1 20439U 90  5  D 91  6.66449787  .00000460  00000-0  19828-3 0  1868
2 20439  98.6887  87.2500 0010799 283.0207  76.9772 14.28936081 49920
DO-17
1 20440U 90  5  E 91  9.52388230  .00000507  00000-0  21652-3 0  1852
2 20440  98.6873  90.1247 0010999 273.8142  86.1780 14.29000150 50334
WO-18
1 20441U 90  5  F 91  7.18988411  .00000459  00000-0  19723-3 0  1863
2 20441  98.6888  87.8417 0011578 282.5413  77.4492 14.29073409 50009
LO-19
1 20442U 90  5  G 91  6.96278114  .00000473  00000-0  20252-3 0  1855
2 20442  98.6862  87.6522 0011547 279.4414  80.5481 14.29146775 49973
GPS BII-06
1 20452U 90  8  A 91  6.92323582  .00000004  00000-0 -20008-5 0  1497
2 20452  54.4574 247.6858 0049262  51.0505 309.4577  2.00552117  6939
MOS-1B
1 20478U 90 13  A 91 10.18791133  .00000090  00000-0  80786-4 0  4861
2 20478  99.1678  84.3091 0000387 140.8322 219.2866 13.94838916 46990
DEBUT
1 20479U 90 13  B 91  8.53895343  .00000036  00000-0  13047-3 0  1790
2 20479  99.0194  21.0719 0540532 303.3564  51.6897 12.83167762 43083
FO-20
1 20480U 90 13  C 91  9.01154340  .00000035  00000-0  12887-3 0  1768
2 20480  99.0162  21.4498 0540692 302.3519  52.6310 12.83164038 43145
MOS-1B R/B
1 20491U 90 13  D 91 10.56502072  .00000427  00000-0  85279-3 0  1884
2 20491  99.0174  32.1919 0469892 265.2145  89.5161 13.02798710 43405
LACE
1 20496U 90 15  A 91 10.70844130  .00007519  00000-0  42329-3 0  3904
2 20496  43.0957 260.3003 0017524 215.8828 144.1010 15.13513819 50012
RME
1 20497U 90 15  B 91 10.11662309  .00014665  00000-0  34325-3 0  4386
2 20497  43.1101 190.8378 0020393 265.8601  93.9906 15.41746056 50713
Nadezhda 2
1 20508U 90 17  A 91  5.12928082  .00000089  00000-0  88158-4 0  2443
2 20508  82.9546 271.0002 0045179 142.5884 217.8440 13.73256563 42723
OKEAN 2
1 20510U 90 18  A 91  9.76391097  .00002082  00000-0  31299-3 0  4025
2 20510  82.5267 267.3688 0018713 329.0600  30.9507 14.73977032 46490
INTELSAT-6
1 20523U 90 21  A 91  9.29180056 -.00008459  00000-0 -62128-3 0  4360
2 20523  28.3407 352.4483 0013787 227.1010 132.8407 15.02977279 45481
GPS BII-07
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1 20533U 90 25  A 90294.05687607 -.00000033  00000-0  00000 0 0   630
2 20533  55.1450  10.8449 0034235 102.6965 257.7562  2.00556242  4124
PegSat
1 20546U 90 28  A 91 10.39518899  .00014614  00000-0  83807-3 0  3909
2 20546  94.1399 325.5229 0139030 306.5241  52.3247 15.04646247 41196
HST
1 20580U 90 37  B 91 10.35687864  .00004036  00000-0  43660-3 0  3902
2 20580  28.4725  10.2563 0006155 127.5130 232.6014 14.85907493 38805
Glonass 44
1 20619U 90 45  A 91 10.10853071 -.00000017  00000-0  99999-4 0  3376
2 20619  65.0096  31.8531 0023958 217.7506 142.1290  2.13102875  5038
Glonass 45
1 20620U 90 45  B 91 10.22640046 -.00000017  00000-0  99999-4 0  3434
2 20620  65.0084  31.8537 0006453  19.4691 340.6038  2.13102939  5043
Glonass 46
1 20621U 90 45  C 91  9.34651606 -.00000017  00000-0  99999-4 0  2923
2 20621  65.0239  31.8919 0014195 209.6297 150.3350  2.13102596  5027
Kristall
1 20635U 90 48  A 91  9.95976597  .00057084  00000-0  63212-3 0  3370
2 20635  51.6084   8.9982 0025553 102.2009 258.0003 15.62016923 34934
ROSAT
1 20638U 90 49  A 91 10.69879743  .00002694  00000-0  24007-3 0  1613
2 20638  52.9967 208.8535 0012929 234.8802 125.0838 14.99191823 33392
Meteor 2-19
1 20670U 90 57  A 91  5.74319185  .00000182  00000-0  15431-3 0  1438
2 20670  82.5464 127.8910 0017298  78.5615 281.7486 13.83891067 26531
CRRES
1 20712U          91 10.20651449  .00001657  00000-0  14979-2 0   895
2 20712  18.2253 338.1921 7126780 328.1322   3.7846  2.43727709  4120
GPS BII-08
1 20724U 90 68  A 90358.72077540  .00000016  00000-0  99999-4 0   789
2 20724  54.7109 188.6525 0096383 119.8471 241.1780  2.00563791  2860
Feng Yun1-2
1 20788U 90 81  A 91 10.10398014  .00000265  00000-0  20130-3 0   869
2 20788  98.9328  46.9040 0010479 265.4434  94.5533 14.00618405 18072
Meteor 2-20
1 20826U 90 86  A 91  5.61563355  .00000224  00000-0  19497-3 0   936
2 20826  82.5257  67.1904 0013517 342.8583  17.2123 13.83258169 13732
GPS BII-09
1 20830U 90 88  A 91  4.72776045  .00000013  00000-0  99999-4 0   792
2 20830  54.9063 130.4340 0121315  31.1486 329.5406  2.00565966  2171
GPS BII-10
1 20959U          90364.65049323 0.00000016           10000-3 0   169
2 20959  54.9135 190.0008 0041865 213.3227 146.4511  2.00557160   655
DMSP B5D2-5
1 20978U 90105  A 91 10.44046937  .00000961  00000-0  37315-3 0   381
2 20978  98.8575  44.4858 0080235 240.6671 118.6531 14.30481634  5696
Soyuz TM-11
1 20981U 90107  A 91 10.08775917  .00003160  00000-0  37970-4 0   465
2 20981  51.6129   8.3464 0025398 102.9811 257.4362 15.62006861  6066
Glonass 47
1 21006U 90110  A 91 10.32414345  .00000020  00000-0  99999-4 0   405
2 21006  64.8313 151.2950 0062848 184.4856 175.4345  2.13102406   720
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Glonass 48
1 21007U 90110  B 91 10.50007972  .00000020  00000-0  99999-4 0   455
2 21007  64.8529 151.3120 0039932 176.9148 183.0864  2.13100411   723
Glonass 49
1 21008U 90110  C 91  8.97509571  .00000020  00000-0  99999-4 0   388
2 21008  64.8406 151.3540 0008247 293.1115  66.7777  2.13100458   692
Raduga 26
1 21016U 90112  A 91  8.22642681 -.00000172  00000-0  99999-4 0   128
2 21016   1.4238 273.7775 0003958  26.8132 333.8792  1.00298254   191
1990 112D
1 21019U 90112  D 91 10.26359290  .00000055  00000-0  99999-4 0   173
2 21019   1.4486 273.8690 0026414  10.3332 350.5563  1.00010860   218
1990 112E
1 21024U 90112  E 91 10.71055742  .00004985  00000-0  27069-2 0   133
2 21024  47.2165 265.9054 7277307   5.2747 359.4840  2.26785628   510
1990 112F
1 21025U 90112  F 91  8.09837264  .00002241  00000-0  28521-2 0   103
2 21025  47.2744 266.7067 7258297   4.5267 359.5689  2.26292726   450
Cosmos 2113
1 21026U 90113  A 91 10.66293876  .00267432  37780-4  35759-3 0   427
2 21026  64.7601 144.5517 0037421  98.6165 261.8281 16.04829554  3281
Cosmos 2114
1 21028U 90114  A 91 10.63434821  .00000022  00000-0  99999-4 0   152
2 21028  82.5760 217.3558 0002999 125.8352 234.3002 12.62466673  2446
Cosmos 2115
1 21029U 90114  B 91  5.63287790  .00000023  00000-0  99999-4 0   137
2 21029  82.5670 220.5173 0002287  34.5857 325.5379 12.63239613  1815
Cosmos 2116
1 21030U 90114  C 91  5.62411804  .00000022  00000-0  99999-4 0   110
2 21030  82.5733 220.5203 0005775 355.8380   4.2662 12.64014557  1811
Cosmos 2117
1 21031U 90114  D 91  5.61677463  .00000023  00000-0  99999-4 0   116
2 21031  82.5739 220.5150 0009458   4.4436 355.6746 12.64666099  1810
Cosmos 2118
1 21032U 90114  E 91  5.61026781  .00000023  00000-0  99999-4 0   118
2 21032  82.5651 220.4944 0012241 357.1834   2.9187 12.65242283  1815
Cosmos 2119
1 21033U 90114  F 91  5.60143564  .00000023  00000-0  99999-4 0   106
2 21033  82.5713 220.4977 0016202 350.5157   9.5625 12.66025743  1818
1990 114G
1 21034U 90114  G 90365.62137714  .00000020  00000-0  99999-4 0    81
2 21034  82.5648 223.8067 0039683 183.3619 176.7201 12.55424605  1170
Cosmos 2120
1 21035U 90115  A 91 10.62680760  .00112536  37405-5  19680-3 0   342
2 21035  82.5733 272.6255 0075975  28.6862 331.8733 15.96614415  2423
Raduga 1-2
1 21038U 90116  A 91  3.30548588  .00000128  00000-0  99999-4 0    42
2 21038   1.4661 272.5003 0006870 272.2139  88.8005  0.99537474    41
1990 116D
1 21041U 90116  D 91  9.40497267 -.00000091  00000-0  99999-4 0    62
2 21041   1.4614 272.3884 0040110  18.1934 342.7211  0.98740862   141
1990 116E
1 21044U 90116  E 91  2.80782770 -.00000026  00000-0  00000 0 0   112
```

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2 21044  47.3149 270.3273 7311192   1.5742 359.9314  2.22559162   130
1990 116F
1 21045U 90116  F 91  3.26871405 -.00000026  00000-0  00000 0 0    28
2 21045  47.3460 270.1910 7287725   1.7649   0.1052  2.22171411   147
1990 102G
1 21046U 1990-102 91 10.35254698 -.00000042  00000-0  99999-4 0    64
2 21046   1.3634 273.0780 0023168  37.5624 323.5113  0.97868242   235
1990 001A
1 21047U 9101A    91 10.06269320  .00000010  00000-0  99999-4 0    63
2 21047   4.2283 308.1268 0084002  99.1619 262.2359  1.02163211    08
1991 001B
1 21048U 91  1  B 91  9.94804360  .00001298  00000-0  23462-2 0    56
2 21048  18.4529 300.2806 1190740  35.7401 331.7117 11.84518892   243
1991 001C
1 21049U 91  1  C 91 10.03914540 -.00000038  00000-0  99999-4 0    31
2 21049  25.9306 297.9468 7087939 181.1330 178.3558  2.26483389    44
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Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology
```

From -7029987695604239507
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9db0794c573ac9f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 18:07:22 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!samsung!usc!zaphod.mps.ohio-state.edu!wuarchive!ukma!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: Ramsey kits
Message-ID: <1991Jan12.020722.27680@NCoast.ORG>
Date: 12 Jan 91 02:07:22 GMT
References: <10076@pasteur.Berkeley.EDU> <142708.22800@timbuk.cray.com> <1991Jan10.192608.12783@xanadu.com>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 23
Posted: Fri Jan 11 20:07:22 1991

As quoted from <1991Jan10.192608.12783@xanadu.com> by jeff@xanadu.com (Jeff Crilly N6ZFX):

```
+---------------
| I built the 2 meter receiver that is ne602 based.  It works but the
| squelch doesn't (though I made work after looking at the spec in the
| motorola book) and it really needs a preamp.  Though for ~$20 what
+---------------
```

You mean maybe I *didn't* somehow blow up the squelch when I assembled the 220 receiver? Have to get my hands onthat spec sheet and see if I can make it work --- another 220 receiver would be nice.

(No, that's not a sarcastic remark. I checked the bloody thing twice and had
someone else check it as well: everything wired correctly, the right parts in
the right places, no cold solder joints --- and the squelch didn't work. I
sidelined the thing because a battery-operated 220 receiver without a working
squelch makes for large battery bills....)

++Brandon
```
--
Me: Brandon S. Allbery              VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR              AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

From -8673394156318910631
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9db0794c573ac9f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 18:10:20 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!ukma!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: Ramsey kits
Message-ID: <1991Jan12.021020.27767@NCoast.ORG>
Date: 12 Jan 91 02:10:20 GMT
References: <"11-Jan-91..9:50:54.CST".*.Mike_Beezley.Houston@Xerox.com>
<1991Jan11.192301.1682@bronze.ucs.indiana.edu>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 14

As quoted from <1991Jan11.192301.1682@bronze.ucs.indiana.edu> by
anachem@silver.ucs.indiana.edu (|mehcana| (undersampled)):
+---------------
| so....Where can one obtain these Ramsey kits?
+---------------

VHF Communications usually has them in stock. Also, Ramsey sells direct; they
have ads in (most of?) the ham magazines.

++Brandon
```
--
Me: Brandon S. Allbery              VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR              AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

From 8116136125798029744
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9d18f14b8d604228
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1991-01-11 18:19:47 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!usc!sdd.hp.com!wuarchive!ukma!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: Others' view of codefree
Message-ID: <1991Jan12.021947.27947@NCoast.ORG>
Date: 12 Jan 91 02:19:47 GMT
References: <1042.278B5502@w8grt.fidonet.org> <1991Jan11.193256.24982@xanadu.com>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 24

As quoted from <1991Jan11.193256.24982@xanadu.com> by jeff@xanadu.com (Jeff Crilly N6ZFX):
+---------------
| like to see improvement in the BBS software on packet. It is o.k.
| for message passing, but discussion groups just don't seem to work
| out. Maybe the solution is a TCP/IP based net running something like
| news. It seems like a good application for nntp.
+---------------

We're going to be trying this locally soon, using the G1EMM and PA0GRI versions of NOS which support NNTP.

However, TCP/IP is less than optimal (read: sluggish to miserable) over slow links. I'd like to see some redesign done in that area; I'm considering an encapsulation of IP in PPP at the moment, but I'll have to look over the protocols and see what, if anything, might be gained. (Not to mention getting someone else locally to get a UNIX system to run my software on so I can test it....)

++Brandon
--
```
Me: Brandon S. Allbery               VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG              Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR               AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

From -7978519603334861091
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,147263284118940
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 18:29:50 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!wuarchive!ukma!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: Exam Procedure
Message-ID: <1991Jan12.022950.28047@NCoast.ORG>
Date: 12 Jan 91 02:29:50 GMT

References: <D75AEB24D3BF201851@uncg.bitnet>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 14

As quoted from <D75AEB24D3BF201851@uncg.bitnet> by MOSIER@UNCG.BITNET (Steve Mosier):
+---------------
| I know that the VE organization doesn't presently (before no-code) give Novice
+---------------

The VECs don't *have* to give Novice exams --- but many do. I took my Novice at a VEC exam.

++Brandon
--
```
Me: Brandon S. Allbery               VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG              Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR               AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

From -6363500553551991297
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1bfe99081f447df
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 18:36:08 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!ukma!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: A New Topic to Beat to Death! (Was Codeless Tech)
Message-ID: <1991Jan12.023608.28169@NCoast.ORG>
Date: 12 Jan 91 02:36:08 GMT
References: <1991Jan10.205605.4469@midway.uchicago.edu>
<1991Jan10.224736.12403@ux1.cso.uiuc.edu> <1991Jan12.011950.25914@NCoast.ORG>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 22

Bloody system won't let me cancel my article, and C news inews doesn't seem to handle control messages (I suppose I could hack relaynews, but...).

As quoted from <1991Jan12.011950.25914@NCoast.ORG> by allbery@NCoast.ORG (Brandon S. Allbery KB8JRR):
+---------------
| +---------------
| | 2. Novice upgrading to Tech.
| +---------------
|
| Addressed: Novices upgrading to Tech after 2/14/91 must retain their Novice

```
| licenses indefinitely as proof of passing element 1A.
+---------------

As noted, the R&O says nothing about this.  If nothing else, the FCC should
clarify the status of existing Novice and Tech licensees.  Sigh...

++Brandon
--
Me: Brandon S. Allbery               VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR               AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY


From 3483161148424128076
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,19479b2464cdd57b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 18:58:19 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!
rpi!uupsi!dorsai!bigsteve
From: bigsteve@dorsai.com (steve coletti)
Newsgroups: rec.ham-radio
Subject: New Radio Program
Message-ID: <wVqmV5w163w@dorsai.com>
Date: 12 Jan 91 02:58:19 GMT
Organization: The Dorsai Diplomatic Mission, NYC
Lines: 20
Posted: Fri Jan 11 20:58:19 1991


   I am "Big Steve" of Radio Newyork International and I'm adding a
new portion to my program called CROSSBAND.  This program will feature
reports on Ham and Shortwave, including broadcasts, pirates and utes.
I HEED YOUR HELP!  If you would like to provide information for the
program please e-mail or snail me at the address below.
   You will be given on air credit, I don't get paid either.

   I will be gathering information from the newsgroups and other networks
and I will be airing the Westlink "Newsline" program and providing credit
to the authors.

 ******************************************************************
*Steve Coletti A/K/A "BIGSTEVE"  *   Radio Newyork International   *
*UUCP: bigsteve@dorsai.com       *      on Shortwave via WWCR      *
*PRODIGY: BJJM02A                * Sundays @ 9PM, EST on 7520 Khz. *
*GEnie: S.COLETTI2               *     Comming soon to R.F.P.I.    *
*Mail: P.O. Box 396, NY, NY 10002* - Peace, Love & Understanding - *
 ******************************************************************



From -2493062728881342957
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 19:51:22 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!elroy.jpl.nasa.gov!ncar!gatech!galbp!dscatl!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <1954@ke4zv.UUCP>
Date: 12 Jan 91 03:51:22 GMT
References: <19917.799.7009@canrem.uucp> <837@wells.UUCP>
<1991Jan8.184642.19354@athena.cs.uga.edu> <1941@ke4zv.UUCP>
<47955@apple.Apple.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 19

In article <47955@apple.Apple.COM> kchen@Apple.COM (Kok Chen) writes:
>gary@ke4zv.UUCP (Gary Coffman) writes:
>
>>Or even better, use a pentagrid converter tube with the tube serving
>>rentrantly as AF amp, oscillator, tripler, and final. :-) :-)
>
>
>Reentrant? Where do I find an electron push-down stack?
>I couldn't even find a 6SA7 or 12SA7 anymore around the Silicon
>Gulch, unless you are talking about the *modern* 6BE6 :-) :-)

Tube reuse in this fashion was somewhat popular in the thirties and forties. With the proper circuitry, a tube can be used to simultaneously amplify AF and RF signals. Pentagrid tubes have been used as oscillators and mixers at the same time that they acted as the AF amp. It's fasinating to look at some of the older equipment to see how stage economy was achieved.

Gary KE4ZV

From 518747186759360107
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29b4a11527361cbc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-11 21:05:13 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!uwm.edu!zaphod.mps.ohio-state.edu!wuarchive!sdd.hp.com!hplabs!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <1991Jan12.050513.28547@informix.com>
Date: 12 Jan 91 05:05:13 GMT

References: <49974@sequent.UUCP> <100gV1w163w@phoenix.com>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 30
Xref: gmdzi rec.radio.shortwave:3478 rec.ham-radio:19273
Posted: Fri Jan 11 23:05:13 1991

In article <100gV1w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
>
>edw@sequent.UUCP (Ed Wright) writes:
>
>> I would be really interested to know of an RS store that refused your cash.
>
>   Radio Shack, 2574 Erie Blvd. East, Syracuse, NY +1 315 446-4990

Unfortunately, one of the ways that RS salespeople are evaluated is
by percentage of names and addresses obtained. If you refuse to give
your address, the guy might get mad because it will be a "black mark"
on his numbers.

However, let me reiterate that the official Tandy policy is that your
address is NOT required for ANY transaction. (except maybe for
repairs)

Tandy's good ol' boys in Ft. Worth feel that the mailout flyer helps
keep Radio Shack in business. I wonder if they know how much they
offend people when their employees are rude about getting the name
and address. Radio Shack is the only store I know of that does this.
If the flyers were so important, then everyone would be doing the same
thing. I wish RS would do a study on this aspect of their business.

--

=-=
Randall Rhea   Informix Software, Inc.
Senior Programmer/Analyst, MIS   uunet!pyramid!infmx!randall

From 6826025420844633670
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 22:14:57 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: "Fast CW snobs" : was: Re: homebrewing
Summary: I expressed myself unclearly
Message-ID: <1991Jan12.061457.5468@athena.cs.uga.edu>
Date: 12 Jan 91 06:14:57 GMT
References: <1991Jan10.155826.8069@athena.cs.uga.edu> <658@chiton.ucsd.edu>
<YETSKO.91Jan10162506@interlan.interlan.com>

```
Organization: University of Georgia, Athens
Lines: 17
```

You are right.

When I said "fast CW snobs" I did *not* mean that fast CW operators
are snobs. Apologies to anyone who took it that way.

I mean that there are some hams (predominantly _not_ actually using CW)
who are immensely proud of having passed a 20 wpm exam, because
they know virtually nothing about radio except Morse code!

And _these_ are the people who will brag about how they "earned" their
license by working hard to learn the code, and everybody else must "earn"
it that same way, for ever and ever, amen.

In short, I'm talking about people who seriously misunderstand the
purpose and nature of Amateur Radio. And there are a fair many out there
(particularly on Fidonet, which attracts a less academically oriented
clientele than Usenet).   'Nuff said. That was my original point.

```
From -5843464797852228972
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9db0794c573ac9f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 22:18:55 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod!wuarchive!emory!athena.cs.uga.edu!
mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: Ramsey kits
Message-ID: <1991Jan12.061855.5555@athena.cs.uga.edu>
Date: 12 Jan 91 06:18:55 GMT
References: <10076@pasteur.Berkeley.EDU> <142708.22800@timbuk.cray.com>
<44735@mips.mips.COM>
Organization: University of Georgia, Athens
Lines: 14
```

> kit to turn AM radio into shortwave receiver

Presumably your problem is that AM stations are 10 kHz apart, but
shortwave broadcasters are 5 kHz apart, so you miss half of them
with a digital radio.

You could use 2 crystals and switch back and forth between them
(e.g., 9.000 and 9.005 MHz). Custom-made crystals cost less than $10
each from a company such as JAN.

I thought about this when designing the "High-Performance Shortwave
Converter" that was in Popular Electronics -- essentially the same
widget. (Your LO _is_ crystal controlled, isn't it? Does the PC board
say SPC on the bottom? If so, you may be using my invention!)

From -7683549704802814797
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc9d6b9cc8796bc1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-12 00:46:09 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!swrinde!zaphod!rpi!julius.cs.uiuc.edu!psuvax1!psuvm!ricevm1.bitnet!jkoss00
From: JKOSS00@RICEVM1.BITNET (Jordan Kossack)
Newsgroups: rec.ham-radio
Subject: Question for Volunteer Examineers
Message-ID: <1796JKOSS00@RICEVM1>
Date: 12 Jan 91 08:46:09 GMT
Organization: Rice University - ONCS
Lines: 26

This is NOT another question about the procedure for obtaining a code-free Technician license. Rather, it is regarding expiration of CSCEs. I received my tech ticket back in June and passed the General theory as well, so I have a CSCE for Element 3B.

Now, suppose I go to a VE session next month and try for my Advanced ticket and pass Element 4A (theory) but fail 1B (13 WPM). Obviously, I remain a Technician class licensee and receive a certificate for 4A. What happens if I do not pass either the 13 wpm nor the 20 wpm code tests before June? Does my credit for 3B vanish, meaning I'll have to retake that element as well as 1B to get an Advanced license or is my credit for 3B extended until the expiration date on my CSCE for Element 4A? Or something else entirely? I am asking because it is a very real possibility that I'll pass 4A and fail 1B, as I find it difficult to force myself to study the code regularly during the semester, whereas memorizing the band plan is going to be the toughest part of 4A (I'm an EE student in the control & communications systems area - and yes, I've seen the previous question pool - no problem.)

Thanks and best wishes.   (Or should that be TNX ES 73 ;-)

----

jkoss00@ricevm1.rice.edu | Jordan Kossack | n5qvi | +1 713 799 2950

From 4867320337285326447
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29b4a11527361cbc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-12 05:42:48 PST
Path: gmdzi!unido!mcsun!uunet!munnari.oz.au!metro!cluster!ultima!kralizec!nick

From: nick@kralizec.fido.oz.au (Nick Andrew)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <7707@kralizec.fido.oz.au>
Date: 12 Jan 91 13:42:48 GMT
References: <1991Jan6.204033.19970@informix.com> <41aFV2w163w@phoenix.com> <16275@venera.isi.edu>
Followup-To: poster
Organization: Kralizec Public Access Unix - Sydney, Australia
Lines: 56
Xref: gmdzi rec.radio.shortwave:3505 rec.ham-radio:19297

onder@ISI.EDU (Bruce Onder) writes:

>I assume this is for their flyer mailing list? Make something up.
>Usually, it's easier to work around a problem than bash your head
>against it.

>The Ultimate is to give them a name and/or address with a
>double-entendre or reads something else backwards, but they don't
>catch on till your out the door. :)

In Australia, Tandy (the local name for Radio Shack) also indulges in this rude mailing-list behaviour. Or they did last time I bought something from them, which was some time ago :-)

Tandy-bashing is one of my favourite pastimes. I fondly remember the day several years ago a friend and I went into a Tandy store and paused briefly to look at the Trs-80 Model 1 on display. Suddenly the picture disappeared and the power LED on the computer faded. It took a few moments for us to realise that a salesman had actually _sneaked_ from behind the counter around the desk where the computer was sitting, and _pulled the plug_ on a couple of unsuspecting potential customers! I guess that takes the "arrogance" prize.

Another cute trick is to walk straight into a store holding one of their "battery a month club" cards, and ask right out for a battery. Often they'll prevaricate by saying "out of stock, they'll arrive next Friday". Then have a friend go into the store and ask the salesman some 'dumb customer' question before asking for the battery. The response will be very different!

Onto the question of skill, I found in general that Dick Smith (the 'other' popular electronics store in Oz) employed electronic enthusiasts, who may not be experts in the field but at least knew the difference between cathode and anode. Tandy on the other hand tended to employ marketing types whose knowledge of electronics was doubtful at best. One can always say that Tandy's thrust has always been towards "consumer electronics" such as stereos rather than components, but I think that K-mart salesmen could have done as badly. The TRS-80 was a very popular beast in its day. Surprisingly so when I recall that in the early days (e.g. '78 - '83), Tandy salesmen knew _nothing_ about the computer systems they sold.

Anyway onto their policy of requiring name & address ... I have never
been refused a cash sale, in fact it never occurred to me that anybody
could be so foolish as to refuse. But I have had my share of fun -
I once told a dolt, poker-faced, that my name was Jehovah. The dolt then
asked for my address, so I wrote it directly on the pad: "No Fixed
Address - Late Of Heaven". Of course he didn't catch on, but I had
difficulty leaving the store before exploding.

So if you get tired of people with their head up their ass, poke some fun!
Nick.
--
+------------------+
"This is the crummiest .signature I could fit inside 2 minutes"
<nick@kralizec.fido.oz.au> <nick@ultima.csd.uts.edu.au>
<nick@ultima.socs.uts.edu.au> Nick (713/602), and Nick of many other places

From -4734458116935039183
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-12 15:42:24 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Summary: its SHORTED! its OPEN!
Message-ID: <769@ssc.UUCP>
Date: 12 Jan 91 23:42:24 GMT
References: <1991Jan8.195506.20166@bronze.ucs.indiana.edu>
Organization: very little
Lines: 34

In article <1991Jan8.195506.20166@bronze.ucs.indiana.edu>,
commgrp@silver.ucs.indiana.edu (BACS Data Communications Group) writes:
> >A technical discussion overheard on two meters...
> >--How do I find out how a resistor ;is good or bad?
> >
> >-- Check ;it with an ohmmeter.
> >
> >--- "What's an ohmmeter?"
> >
> >The asker held a General license!
>
> CB'er in (non-RS) radio store: "This coax I bought here is supposed
> to be 50 ohms but I tested it with my ohmmeter and it's an open
> circuit. Take it back and gimme some good cable!"
>

In the early 70s I worked at Amateur Radio Supply in Seattle. About
once a month someone came into the store to return one of those
W2AU type baluns that are used for the center of a dipole, complaining

that an ohmeter test of the feedpoint showed that it was "shorted."

(hint: the DC resistance across the winding will always be very low. At HF it is something else)

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -3280143720612919403
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5110fd87bf9ec27d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-12 16:13:12 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: APLINK question
Summary: APLINK login
Message-ID: <770@ssc.UUCP>
Date: 13 Jan 91 00:13:12 GMT
References: <58130010@hpcupt1.cup.hp.com>
Organization: very little
Lines: 31

In article <58130010@hpcupt1.cup.hp.com>, holly@hpcupt1.cup.hp.com (Jim Hollenback) writes:

> I copied some frequencies for APLINK bulletin boards last night off a
> packet board. I have heard them before, but the question is, how
> does one log on to these boards and use them?
> Tnx es 73's
> Jim, WA6SDM
> jholly@hpcupt1.cup.hp.com

Get on the mailbox freq, and send the selcal for the mailbox. Then it will prompt you to login (don't use +? command, because it does all this for you).

Then type:

LOGIN WA6SDM

Again, don't put +? at the end of this. It will change the link direction for you when it sees a command followed by a carriage

```
return.



Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP


From 1609309125114921886
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d2a04afeb53dbc5f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-12 18:35:41 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Radio Shack bashing
Message-ID: <1054.278E3A03@w8grt.fidonet.org>
Date: 12 Jan 91 03:53:16 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 21


 > From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
 > Date: 11 Jan 91 15:33:16 GMT
 > Organization: Indiana University
 > Message-ID: <1991Jan11.153316.27777@bronze.ucs.indiana.edu>
 > Newsgroups: rec.ham-radio,misc.consumers
 >
 > Radio Shack was soundly bashed on rec.humor about 2 years ago.  Some
 > excerpts:
 >
 > >>I'm looking for ways to gracefully/creatively avoid giving my name
 > >>and address to a computer when paying cash at Radio Shack, Service
 > >>Merchandise and other stores which request it for their junk-mail

I guess you could say you're a retired hit man in the witness relocation
program....

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org


From -6432761285917059030
X-Google-Language: ENGLISH,ASCII-7-bit
```

X-Google-Thread: 10c9e3,147263284118940
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-12 20:22:53 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: Exam Procedure
Summary: ve's and novice tests??
Message-ID: <880@wells.UUCP>
Date: 12 Jan 91 04:27:02 GMT
References: <D75AEB24D3BF201851@uncg.bitnet>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 16

In article <D75AEB24D3BF201851@uncg.bitnet>, MOSIER@UNCG.BITNET (Steve Mosier)
writes:
> I know that the VE organization doesn't presently (before no-code) give Novice
> exams. But I would assume that if a non-ham goes into a walk-in exam site for
> his Technician, that he would be given the Novice and Tech written as well as
> the 5 wpm code. Is this correct? A friend of mine wants to get his Tech
> tnx es 73 - de W3GRG steve

It's true that Novice tests aren't per-se part of the
VE program - but I'd imagine most sessions
will welcome a prospective novice.

We always have let anyone walk in, take whatever
elements he wants, and when/if he passes,
encourage taking more.

K3TX

From -9112944332240194575
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,29b4a11527361cbc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-12 20:22:58 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!
dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <881@wells.UUCP>
Date: 12 Jan 91 04:35:04 GMT
References: <1991Jan6.204033.19970@informix.com> <41aFV2w163w@phoenix.com>
<2413@risky.Convergent.COM>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 16
Xref: gmdzi rec.radio.shortwave:3474 rec.ham-radio:19251

> This same sort of thing also applies to establishments that refuse currency
> denominations greater than $20, I believe. The wording on all currency
> states that it is "legal tender for all debts, public and private".

Nothing to do with R//Shack, but:
a year or so ago I was in a branch office of a rather
major concern and saw a sign on the counter:
"We cannot accept $100 bills"
This outfit went by the name U.S.Post 0ffice,
Conshohocken PA and preferred to be known as 19428.
Couldn't get a decent answer from clerk,
and wasn't quite sure I wanted to know why.
But fortunately I was able to complete my purchase
with 50s and 20s so everyone was happy.

K3TX

From 7501153758042259961
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-12 20:25:15 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: Rigs for beginners? (or: MFJ, Icom, etc.)
Message-ID: <1991Jan12.042810.28007@informix.com>
Date: 12 Jan 91 04:28:10 GMT
References: <5490111@hpscdc.scd.hp.com> <2992@ux.acs.umn.edu> <819@wells.UUCP>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 40

I'm sure this posting has generated considerable debate.

In article <819@wells.UUCP> k3tx@wells.UUCP (Dave Heller) writes:
>In article <2992@ux.acs.umn.edu>, spexet@ux.acs.umn.edu (D. Robert Spexet II) writes:
>Of the "Asian riceboxes" (I have other names for them, but some seem
>to take offense)

They take offense because it's a racist remark.

>What's the big problem with used equipment? If it's Drake or Ten-Tek
>you can't go wrong - anything needed to bring to new condition is
>simple. Or do you have your heart set on an import?

The problem is that used Drakes can cost as much as new Icoms. That's
what the problem is. Another problem is you don't know what the
previous owner did to a used rig, and there's no warranty.

>Probably the best possible beginner's setup is either a TR4 or Triton-
>540-544 (all the same thing) plus a decent tuner (NOT MFJ!) + home-brew
>wire antenna + keyer, preferably home brew for about $20 max with a
>Curtis chip. Plusses:

I agree that the TR-4 is a great rig. It can be had for $250-$300 used.

I hear so much MFJ-bashing on the air. I have two MFJ tuners and they both work great. The workmanship on them is good. Perhaps their quality has improved lately.

>> About the 725-6-35: performance at the upper end of the *oriental* range
>Ease of use: Poor
>Serviceability: Better than zero, but not much.

I have no trouble using my 735. Unfortunately, if you want to pack that much into a such a small box, you are going to sacrifice serviceability.

--

```
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                          Informix Software, Inc.
Senior Programmer/Analyst, MIS                    uunet!pyramid!infmx!randall
```

From 4226477322514752919
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,321fff2b547f9480
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-12 20:48:09 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!ousrvr!ousrvr!luru
From: luru@stekt.oulu.fi (Ari Husa OH8NUP)
Newsgroups: rec.ham-radio
Subject: Re: IC-u2 mods
Message-ID: <LURU.91Jan12084601@stekt.oulu.fi>
Date: 12 Jan 91 07:46:01 GMT
References: <LURU.91Jan10183625@stekt.oulu.fi> <1915@atlas.tegra.COM>
Sender: news@ousrvr.oulu.fi
Distribution: rec
Organization: The Buffalo Club
Lines: 27
In-reply-to: vail@tegra.COM's message of 11 Jan 91 20:39:21 GM

In article <1915@atlas.tegra.COM> vail@tegra.COM (Johnathan Vail) writes:

> u2 but I haven't performed them yet. What have you done to yours? I
> will post mine next week.

Unfortunately, I haven't done the mods myself. I bought the unit used from a fellow ham.

Anyway, the RX coverage is controlled by the initialization diode matrix - and the schematics show some configurations.

I asked the guy who performed the act with them tiny chip diodes.. he said that he had some modification instructions - but they did not work. He ended up trying a few combinations.. and found one that worked.

This leads me thinking that maybe he didn't found the perfect one yet.

The TX supposedly needs some other work as well.

I shall be left waiting for your version..

```
     Luru
--
     ///
     o-o    Ham Radio Operators Do It In Higher Frequency
      o
```

```
From 4781077644633998947
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-12 20:52:29 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!elroy.jpl.nasa.gov!lll-winken!catnip!
bandy
From: bandy@catnip.berkeley.ca.us (Gun Control is Hitting Your Target)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <1057@catnip.berkeley.ca.us>
Date: 12 Jan 91 07:46:10 GMT
References: <19917.799.7009@canrem.uucp> <654@chiton.ucsd.edu>
Organization: The People's Number Four Cat Farm, Berkeley CA, USA
Lines: 21
```

rec@chiton.ucsd.edu (Richard Currier) writes:

>Building
>and understanding a few basic designs from available kits is a good start on
>the road to homebrewing your own designs from scratch. In fact, a great place
>to start is the keyer in the November issue of QST. This little unit looks so
>nice I'm going to have to build one for myself.

You're talking about the "CMOS Superkeyer II", no? I recently was looking through the Nov '89 issue of QST, which had a construction article for the "CMOS Superkeyer". One of its deficiencies noted in the article was how it, when powered-on, would sometimes come up generating dits [I believe], due to the fact that the logic would come up in a random state upon power-up.

I thought to myself and ask you guys: "Haven't you ever heard of a power-on reset? A power-on reset has been a standard feature [um, one part of a chip, one capacitor and one resistor, if I remember correctly - cheap] in homebrew computer circuits since the mid 1970s.

--
real address: bandy@catnip.berkeley.ca.us
last choice: lll-winken!catnip.berkeley.ca.us!bandy

From 6639274014486159444
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,143f703071adce2f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-12 20:54:45 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!root
From: root@n8emr.UUCP (Root)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1986@n8emr.UUCP>
Date: 12 Jan 91 05:15:56 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 81

From n8emr!KB8NW Fri Jan 11 14:34:24 1991
Return-Path: <n8emr!KB8NW>
Message-Id: <m0iuUOe-0000tHC@n8emr.uucp>
[Date: Fri, 11 Jan 91 14:33 EST
[To: <ALL@ARRL>
R:910111/1721z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:409 Z:43232
R:910111/1512z @:W8CQK Columbus, OH #:9905 Z:43229
R:910110/2128 @:WB8BII.OH.USA.NA Cuyahoga Falls, OH #:17724 Z:44223

ZCZC AE08
QST DE W1AW
DX BULLETIN 2 ARLD002
FROM ARRL HEADQUARTERS NEWINGTON CT
JANUARY 11, 1991
RELAYED BY KB8NW/OBS & BARF-80 BBS
TO ALL RADIO AMATEURS

Thanks to Paul Young, K1XM, and the Southern New England DX Asociation and Paul, KB1BE, and the Connecticut DX Association, and IARU Liaison Officer, E. A. David, ON5IA, for the following DX information.

FROM THE DXCC DESK. Documentation for 7O8AA has been received and accepted. The 7O8AA, as well as the 7O1AA cards for the new Yemen Republic, will be accepted on or after March 1, 1991. On this date, 4W and the old 7O, North and South Yemen countries, will become deleted on the DXCC Country List.

BELGIUM, ON now OT. For the 60th anniversary of the King of Belgium, the Belgian RTT has agreed to use the OT calls, replacing the ON calls, until July 21, 1991.

CAYMAN ISLAND, ZF2. Bruce Frahm, K0BJ, will be active as ZF2NJ from January 19 to February 2. Mostly active on 10 thru 20 meter CW. Some SSB is planned. QSL to PO Box DX, Colby KS, 67701, USA.

SAN FELIX, XQ0. John, XQ0X, has been active on his own, and with Mickey, CE3ESS as a helper. Often found on 14236 KHz around 0200 UTC operating either split or on his own. Listen around 14230 to 14240 KHz on his frequency with a list operation. Also try 28493 KHz around 1400 to 1800 UTC. QSL to CE3ESS, after January 15th.

MARION ISLAND, ZS8M. ZS8MI, Gerard, has been active on 21246 KHz at 1630 UTC. Also, 14260 KHz at 1300 UTC and 7047 KHz at 1900 UTC for Europe. Look around 14025 KHz from 0100 to 0300 UTC too.

CANTON ISLAND, T31. Kiyoko, will sign T31KY for the next 2 to 4 weeks. She is found on 10 to 20 meter SSB.

ETHOPIA, ET. An Italian operation from Ethopia is expected on or about January 15. Be on the lookout.

AFGHANISTAN, YA. YA0RR, Romeo, has been on 40 meter CW at 7005 KHz around 0030 UTC, listening up. Valery, YL1WW is also active from YA0RR on 80 thru 10 meters. They are working the eastern USA from 2300 to 0300 UTC on 7003 KHz. Also working the USA on 28495 at 1300 UTC and 14019 KHz at 0400 UTC.

PITCAIRN, ISLAND, VR6. VR6BX has been reported on 28453 KHz around 2130 UTC.

MALAGASY REPUBLIC, 5R8. 5R8JD has been on 28510 at 1700 UTC several days this past week.

MALAWI, 7Q7. 7Q7LA AND 7Q7EC are found around 28510 to 28515 at 1700 to 1900 UTC. 7Q7EC is also on 40 meter CW. QSL manager for 7Q7LA is G0IAS.

OMAM, A41. A41JZ is active on Wednesday UTC from 0200 to 0300 on 3502 and 7002 KHz.

ALBANIA. HA0NNN reports that the HA group will try to pursue this one after things settle down in the Middle East. They are also investigating operations from ET and 9U.

WARC BANDS. A61AD is active most days from 1100 to 1400. QSL via WB2DND. Also reported on the WARC bands are AP2JZB, 7X2VRK and A22AA.

GOOD LUCK ON DX DE KB8NW/OBS

```
From -440579138805912033
X-Google-Language: ENGLISH,ASCII-7-bit
```

```
X-Google-Thread: 10c9e3,9db0794c573ac9f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-12 21:22:05 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: Ramsey kits
Message-ID: <1991Jan12.052426.29007@informix.com>
Date: 12 Jan 91 05:24:26 GMT
References: <NELSON.91Jan8160136@sun.soe.clarkson.edu>
<10076@pasteur.Berkeley.EDU> <142708.22800@timbuk.cray.com>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 26

In article <142708.22800@timbuk.cray.com> wws@raphael.cray.com (Walter Spector)
writes:
>> They make a variety of UHF/VHF kits, including transverters.  I have
>
>Speaking of kits, when I was at the 'Q'* the other day they had some neat
>little kits made by Ramsey Electronics for $25-$35 each.  Has anyone tried
>building these things?

Yeah, I bought the 2 meter HT amplifier for $20.00.  I thought that it
would be such a deal ... 2 watts in and 25 watts out.  Ah, but there's
a catch.  You also needed the RF-Operated T/R switch, which of course
the "Q" was out of stock on.  I didn't find out about that until after I
bought it an opened the package.  I also wonder what I'm going to do for a
heat sink ...

I thought that the FM stereo transmitter was pretty intriguing, but I
wonder what else I need for that kit.

>
>* = Quement Electronics (i.e., the Bascom Bandit) in San Jose.


--

=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                          Informix Software, Inc.
Senior Programmer/Analyst, MIS                    uunet!pyramid!infmx!randall


From -1245522308990581973
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c7725eaa2980ec34,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 19:11:10 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: FCC Rumor -- (But what if it is true?)
```

```
Message-ID: <1046.278CE42D@w8grt.fidonet.org>
Date: 11 Jan 91 03:11:10 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 22


 > From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
 > Date: 10 Jan 91 17:46:21 GMT
 > Organization: Wyse Technology
 > Message-ID: <3091@wyse.wyse.com>
 > Newsgroups: rec.ham-radio
 >
 > the intention of the waiver...but I think the system that FCC created
 > is ripe for cheating...

That was Phil's point. The FCC doesn't care if there is cheating because they
don't attach ANY importance to ANY code testing.

This code testing is of trivial importance. The issue I, as a taxpaying U.S.
citizen, am REALLY pisssed about is that West Point no longer requires cadets
to take classes in horsemanship. How in the hell do they expect Army officers
to worth anything if they can't ride a horse?

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org


From 1836799443606918059
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b6fced14dbe7537
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 19:13:04 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!think.com!sdd.hp.com!usc!samsung!
uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: new technician class
Message-ID: <1047.278CE434@w8grt.fidonet.org>
Date: 11 Jan 91 03:13:04 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 20


 > From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
 > Date: 10 Jan 91 22:02:17 GMT
 > Organization: University of Illinois at Urbana
 > Message-ID: <1991Jan10.220217.3624@ux1.cso.uiuc.edu>
 > Newsgroups: rec.ham-radio
 >
 > >         after February 14, 1990 may now qualify for (or have partial
 > >         ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
 > >         credit toward) the new license. (Element credit is good only
 > >         for 365 days from the examination date).
 >
 > The ARRL does not make rules.

That doesn't keep them from trying. [:-)

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org


From 9123962952194546913
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38c4eaa8309c5b10
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 19:16:14 PST
Path: gmdzi!unido!mcsun!uunet!sbi!zeus!newt!jl
From: jl@newt.sbi.com (Jean-Louis Ecochard)
Newsgroups: rec.ham-radio
Subject: Re: EQ for Microsats, DSP, etc.
Message-ID: <416@newt.sbi.com>
Date: 11 Jan 91 03:16:14 GMT
References: <405@plato.hera.Sbi.Com> <851@idacrd.UUCP>
Organization: Salomon Brothers, NY
Lines: 15

In article <851@idacrd.UUCP> mac@idacrd.UUCP (Robert McGwier) writes:
>What do you mean?  I was specifically referring to birds in the amateur
>satellite service.  If you mean television satellite and using an R7000
>and a discone as a TVRO setup, your local shop is right.  There is no
>free launch here ;-).

The birds I am talking about are amateur satellite service and weather,
not the TVRO. R7000 and discone for 136-145 is it possible ? Do I have
to get a turnstile or helix antenna ?



--
Jean-Louis Ecochard                 O
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~./_\.~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
                                 (__Y__)                uunet!sbi!chi!jl


From 5835206392361275613
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aaa6a5367ee6aa7a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10a148,aaa6a5367ee6aa7a,start
X-Google-Attributes: gid10a148,public
X-Google-ArrivalTime: 1991-01-10 19:50:08 PST
Path: gmdzi!unido!mcsun!uunet!censun1!lescsse!gamorris
```

From: gamorris@lescsse.uucp (Gary A. Morris)
Newsgroups: rec.ham-radio,sci.space.shuttle
Subject: Preliminary elements for STS-37
Summary: Keplerian Elements for STS-37
Keywords: SAREX, STS-37, Shuttle, Amateur Radio
Message-ID: <1991Jan11.035008.1176@lescsse.uucp>
Date: 11 Jan 91 03:50:08 GMT
Followup-To: rec.ham-radio
Organization: Lockheed Engineering and Sciences
Lines: 49
Xref: gmdzi rec.ham-radio:19178 sci.space.shuttle:5404

Gil gave us Keplerian elements for the ascent profile he is working on for STS-37. Thought netters might want to start planning for the STS-37 flight with the all amateur radio crew coming up in April.

CDR - Steve Nagel, N5RAW
PLT - Ken Cameron, KB5AWP
MS1 - Linda Godwin, N5RAX
MS2 - Jerry Ross, (awaiting call)
MS3 - Jay Apt, N5QWL

Plans are to operate the packet robot, voice, and slow scan TV, all on 2 meters. Probably slow scan, voice and packet during crew wake hours and packet during crew sleep time, for 24-hour SAREX ops (we hope). This is a 5 day flight. Primary payload is SAREX, with the Gamma Ray Observatory to be deployed between QSO's if time permits. (ha, just kidding, GRO is primary, of course :-)
--GaryM

From: WA5NOM (Gil)

Here are elements which match the latest design profile, rotated to the current launch date of April 8. I posted them on Chuck's JSC Public Information BBS a few weeks ago. The passes for JSC are in the morning; 0900-1800z.

```
STS-37
1 00037U          91 98.63611111  .00023000           17236-3 0    28
2 00037  28.4632 240.1995 0006984 279.2831 332.4544 15.37981811    16
```

```
Satellite: STS-37
Epoch time:      91098.62500000
Element set:     JSC-002
Inclination:       28.4632 deg          Space Shuttle Flight STS-37
RA of node:       240.1995 deg              Keplerian Elements
Eccentricity:     .0006984            from pre-launch post OMS-2 vector
Arg of perigee:   279.2831 deg          Launch:  08 APR 91  14:14 utc
Mean anomaly:     332.4544 deg
Mean motion:   15.37981811 rev/day                   W5RRR
Decay rate:       2.30E-04 rev/day^2      NASA Johnson Space Center
Epoch rev:               1
```

Gil, WA5NOM

--
```
Gary Morris                    Internet: lescsse!gamorris@menudo.uh.edu
Lockheed, Houston, Texas       UUCP:     lobster!lescsse!gamorris
Space Station Freedom          Internet: gmorris@nasamail.nasa.gov
N5QWC/W5RRR                    Phone:    +1 713 283 5195
```

From -209504368197664797
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29b4a11527361cbc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 20:35:49 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: Radio Shack bashing
Summary: re r.shack: in favore?
Message-ID: <875@wells.UUCP>
Date: 11 Jan 91 04:35:49 GMT
References: <41aFV2w163w@phoenix.com> <58130011@hpcupt1.cup.hp.com>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 25

In article <58130011@hpcupt1.cup.hp.com>, holly@hpcupt1.cup.hp.com (Jim Hollenback) writes:
> The name of George Bush and the address of 1600 Pennsylvania Ave,
> Washington, D.C. comes quickly to mind.... So of the RS salesmen

All of this "name and phone" business sounds like
everyone wants to give everyone else a hard time.

If they didn't ask for the info you'd probably be
begging them to take it and keep you on their mailing
list.

I like being on the mail list for things that interest me,
and thank R.S. for being so considerate.

And, ;just like any other businesses, you find good and
bad behind the counter. Frankly, it would seem to me
that RS is a bit above average in ;this regard.

But, since it's in fashion to say bad things about RS,
I have to agree that their prices for, say, a half watt
resistor are mucho on the high side. Of course I have
a 2000 sq ft junkbox with nearly everything in stock
mostly slightly used, so never ever <<buy>> resistors
or anything else for that matter. Buy? dirty word.

73 K3TX

```
From 8481003825768756792
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8163a0129de4dc0e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 21:02:11 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!
wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: Stdying for the test (was Re: Radio Shack bashing
Message-ID: <877@wells.UUCP>
Date: 11 Jan 91 05:02:11 GMT
References: <804@nddsun1.sps.mot.com> <1250328@hpnmdla.HP.COM>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 11
```

I thoroughly agree.   The ARRL publications all told are
the best, especially the Handbook, the Antenna Book and anything
by Doug DeMaw.   The new pub on transmission lines by W2DU
will likely become a definitive text, and not just for the
Amateurs.

However, for the bare question pools and a bare copy of Part 97,.
see W5YI.

73 --=- K3TX

```
From 8222563301728002893
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1152b8,fc243a3d96659631,start
X-Google-Attributes: gid1152b8,public
X-Google-Thread: 10c9e3,fc243a3d96659631,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 101376,fc243a3d96659631,start
X-Google-Attributes: gid101376,public
X-Google-ArrivalTime: 1991-01-10 21:06:08 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!bloom-picayune.mit.edu!
athena.mit.edu!aviator
From: aviator@athena.mit.edu (Joakim Karlsson)
Newsgroups: rec.aviation,rec.ham-radio,misc.emerg-services
Subject: Civil Air Patrol Newsletter
Keywords: Civil Air Patrol, Search and Rescue
Message-ID: <1991Jan11.140212.8554@athena.mit.edu>
Date: 11 Jan 91 14:02:12 GMT
Sender: news@athena.mit.edu (News system)
Followup-To: rec.aviation
Organization: Flight Transportation Associates, Cambridge, MA
Lines: 35
Xref: gmdzi rec.aviation:9572 rec.ham-radio:19179 misc.emerg-services:476
```

This is a periodical (monthly) posting to announce the availability of CAPITAL, a Civil Air Patrol electronic newsletter published on a more or less weekly basis.

The Civil Air Patrol is an auxiliary of the United States Air Force, that provides emergency services (including search and rescue missions for downed aircraft), aerospace education, and a cadet program. As part of its operations, the Civil Air Patrol operates a radio communications network.

If you are interested in receiving this newsletter, please send your name and InterNet address to aviator@athena.mit.edu. If you are a current CAP member, please include grade, squadron, charter number, and callsign. Submissions will also be accepted at this address.

The most recent issue of CAPITAL is Volume 2, Number 1.

If you have asked to receive CAPITAL previously, but are not receiving it, chances are there is a problem with your path. Please send another request, indicating that it is your second request.

Back issues are available via anonymous ftp (login "anonymous") at rascal.ics.utexas.edu [128.83.183.20] in the following form:

/explore-me/av/capital-folder/capital.NN

where NN is the issue number.

Please feel free to distribute this article further.

```
--
Joakim Karlsson             | aviator@athena.mit.edu
Flying Fanatic in Training |
                 "Oh, I have slipped the surly bonds of earth
                And danced the skies on laughter-silvered wings"
```

```
From -8950808538038790276
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,104d82c82da6fb5a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 21:54:23 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!
elroy.jpl.nasa.gov!decwrl!nsc!amdahl!netcom!mcmahan
From: mcmahan@netcom.UUCP (Dave Mc Mahan)
Newsgroups: rec.ham-radio
Subject: Re: WEFAX question and comments
Message-ID: <20574@netcom.UUCP>
Date: 11 Jan 91 05:54:23 GMT
References: <D81EB1CC7F9FC0305C@ulkyvx.bitnet>
Organization: Dave McMahan @ NetCom Services
Lines: 65
```

In a previous article, MEHARP01@ULKYVX.BITNET (Michael Harpe) writes:

>My problem with Taggart's design is that, while granted it's cheap (6809's can
>be had for $3 from surplus places) it doesn't take advantage of some of the
>newer graphics chips and microcontrollers that can be had. The demodulator is
>really cheap to build. It just uses a couple of op-amps and an A/D converter.

I have created a wefax decoder for the amiga computer, and my radio interface is even simpler than that. I use exactly one LM339 comparator chip and some resistors, a diode, and a few caps to provide the signal to my amiga. It seems to work just great. I might be able to get better data if I were to throw in a bandpass filter, but I doubt it. The CPU does all of the FM decoding, color selection, and display on the standard monitor. It hooks up via the parallel port on every amiga available today.

>I noticed someone commented about using a DSP system for this. That would
>ideal since you could program "software" filters and maybe even do enhancement
>right there in the DSP chip. Unfortunately, my math background is not nearly
>adequate to DSP (after I complete undergrad work, i'm going to do something
>about that) so mine won't have that. I'd like to see a DSP-based WEFAX decoder
>if someone does do one.

I am at the stage of adding image filtering to my program. I find that with my radio/antenna system, most of the problems come about due to bursty noise that is picked up and sent thru the radio to the computer. I plan to add software to do a variety of filtering by using a 3x3 graphics kernal. This method is a way for the program to do averaging, weighted averages, edge enhancement, or transition enhancement. All you do to change the filter type is to change the weights of the graphics kernal. If you are interested in the technique, let me know via e-mail and I'll let you know how I plan to do it. The idea is really a very basic and common thing in the image enhancement world. The trick is to figure out how to do all the math in real time, as this type of filtering (or any other filtering I'm aware of) is full of all kinds of multiplications and additions. I plan on using lookup tables to handle things quickly, especially the mulitplies and dividing required to create the new pixel from received data. I haven't yet actually added the filtering yet, so we will see if my ideas are really implementable. I suspect that they are. Of course, the amiga really isn't too usable while an image is being received.

>I think a WEFAX decoder is a great homebrew project. The project is complex
>enough to be challenging and yet can be done with fairly modest components and
>equipment. Taggart's book is required reading for this project.

Well, I haven't read his book because I can't seem to find it locally and he doesn't answer my mail. I got all my info from asking questions on the net. I would really like to get a copy of it, so if anyone knows of a mailorder house that carries the latest version, please let me know. I agree that a wefax decoder is really suited to homebrewing. Once the information is

gathered, it is a challenge (but quite doable) to design the hardware and
figure out how the software will work to display the image. Not everyone
can do it, but it is DEFINATELY not impossible for those that want to.

>Mike Harpe, N4PLE
>University of Louisville

   -dave

--
Dave McMahan   mcmahan@netcom.uucp
                        {apple,amdahl,claris}!netcom!mcmahan

From -8507668247166746803
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea5c6ad8072235f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 22:11:51 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!mintaka!snorkelwacker.mit.edu!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: DSP (and Kok's mistake)
Message-ID: <47974@apple.Apple.COM>
Date: 11 Jan 91 06:11:51 GMT
References: <47743@apple.Apple.COM> <850@idacrd.UUCP>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 99
Posted: Thu Jan 10 22:11:51 1991

Re: my opinion that a digital Hilbert transform is a pain in the
behind,

mac@idacrd.UUCP (Robert McGwier) writes:

>On the other hand, IMHO, Hilbert transforms are absolutely trivial in DSP.
>Here is a simple approximation to a Hilbert transform:
>
>take three consecutive samples x0,x1,x2
>
>x2-x0 is the filter

This is like saying an analog second order high-pass filter using
a 741 op-amp is a 90 degree phase shifter. It is - for a very
narrow band of frequencies.

So, before we mislead the folks not yet familiar with DSP that DSP
can perform miracles like the above :-), shouldn't we point out that,
for the generation of SSB, the equation you gave is just as useful
as the second order analog filter built with inexpensive Radio

Shack parts?

Just like the 2nd order analog filter, it will not maintain an accurate enough quadrature over the 10:1 frequency range (say, 300 Hz - 3 kHz) that you would need to give good opposite-sideband suppression. Hand-wavingly, you have to be within a tenth of a radian to get the 30 or 40 dB sideband suppression.

And, on top of not having a flat phase-shift, the frequency response of the thing you described is horrendous. The analog example I gave was no accident. It has a frequency response much like your 3-tap (center tap has coefficient 0) FIR :-).

>This will do a hilbert transform quite well in mid band.

In fact, *precisely* as well as the el-cheapo analog filter. :-) :-)

>To have
>one that works over an extended band, one breaks out the old Park's
>McClellan algorithm, punches up Hilbert transform, picks the bands
>you want to transform and tell it to go.

Actually, in the case of Hilbert transforms, life is much simpler by resorting to first principles instead of using Don Lancast... oops, I mean the Parks-McClelland cookbook methods.

Simply design a cheap and dirty "halfband" low-pass FIR filter. Negate the sign of *every other* odd coefficient. The even coefficients of a halfband filter are already identically zero (convenient, isn't it?).

Done.

You now have a low-pass approximation to the Hilbert Transform. Pretty standard trick.

But... I still consider this a royal pain, especially if a way can be found that does not require a Hilbert transform at all.

Afterall, a "phase-sequence filter" made up of 5% resistors and 5% capacitors, like the one found in the 1990 ARRL Handbook (also Horowitz and Hill, 2nd ed.) would give as good phase characteristics as a 49-tap FIR. Much cheaper than a 56000, too :-).

Don't get me wrong. A decade or two ago, I used to practice DSP for research and for a living and I think it is a wonderful way to do signal processing. And everyone should have the chance to at least get a taste of it. Here, I am in FULL agreement with Bob. It is difficult, for example, to tweak an analog balanced modulator for good sideband suppression; but it is trivial to do that in the digital domain - short of bugs and truncation errors, you can almost not avoid perfection.

However, IMHO, there still are solutions that are both more elegant and simpler using analog techniques. And, it doesn't hurt to look for ever *simpler* solutions in the digital domain even if a one already exists. That is why I mentioned the Weaver method as a substitute for the more well-known methods of SSB generation (i.e., the filter method and the phasing method).

> [For the curious, the Weaver method was described by a W1PNB in the September,1957 issue of QST.]

BTW, Bob, do the even coefficients of the Hilbert transform that popped out of the Parks package come out as zero? If not, the halfband approximation above will allow your Hilbert transforms to use only half as many active taps. I.e., half as many multiplications per data sample.

73,

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From -8039268440315159555
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fd7c3c02198d600f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 22:29:20 PST
Path: gmdzi!unido!mcsun!uunet!olivea!samsung!usc!ucsd!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: CHEMICAL RELEASE SCRUBBED - ARTIFICIAL AURORA POSTPONED
Message-ID: <910110232920.25a01158@HG.ULeth.CA>
Date: 11 Jan 91 06:29:20 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 36

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                        /\/\/\/\/\/\/\/\/\/\/\/\/\

                    SPECIAL SOLAR TERRESTRIAL BULLETIN

                         Artificial Aurora Alert
                             10 January, 1991

                        /\/\/\/\/\/\/\/\/\/\/\/\/\
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The Barium chemical release and thus the accompanying aurora which was planned for 01:43 UT had to be SCRUBBED due to bad weather on the east coast of the U.S. and carribean sites, which caused a lack of reliable observing sites.

My apologies for relaying some inaccurate data in the last bulletin. Unlike the last bulletin, the current data in this bulletin (and future bulletins) is obtained directly from the Marshall Space Flight Center and hence should be accurate.

To correct erroneous data presented in the last bulletin, please note the following. Aurora's will be visible between 10 degrees to 50 degrees above the SOUTHERN horizon (depending on your location in the U.S. or Canada). There will be four releases of Barium and three releases of Lithium take place throughout the month.

There are currently TWO releases planned for 13 January, weather permitting. A large Lithium release is scheduled for 07:05 UT on 13 January. A small Barium release is also scheduled for 02:18 UT *OR* 02:58 UT on 13 January. These releases will depend on whether the number of requisite viewing sites with good weather can be achieved.

For direct information regarding the status of these releases, a hotline has been established. The number is: (205) 544-5356.

** End of Bulletin **

From 3105503963265444317
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79e09e9b58c9889e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 23:26:51 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!rpi!uupsi!cmcl2!lanl!stevens@mpx1.lampf.lanl.gov
From: stevens@mpx1.lampf.lanl.gov (Stevens, Thaddeus C.)
Newsgroups: rec.ham-radio
Subject: spreadspectrum info wanted
Message-ID: <11054@lanl.gov>
Date: 11 Jan 91 07:26:51 GMT
Sender: news@lanl.gov
Reply-To: stevens@mpx1.lampf.lanl.gov
Organization: LAMPF Data Analysis Center, Los Alamos, New Mexico
Lines: 12

Hello !!

I'm interested in experimenting with spread_sprectrum. Does anyone out have any info on the following:

1. Can a narrow band FM tranceiver be modified to work spread ?
2. Does anyone make equipment for Ham use either ready made or kit form ?

I would appreciate replies posted so others that may have an interest.

```
Thanks,
Thad      KG5ES


From -4020754950868248815
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29b4a11527361cbc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 23:48:00 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!apollo!hays
From: hays@apollo.HP.COM (John Hays)
Newsgroups: rec.ham-radio
Subject: Re: Giving out information (was Re: Radio Shack bashing
Message-ID: <4f2303f1.20b6d@apollo.HP.COM>
Date: 11 Jan 91 07:48:00 GMT
References: <1991Jan6.204033.19970@informix.com> <41aFV2w163w@phoenix.com>
<49974@sequent.UUCP> <803@nddsun1.sps.mot.com>
Sender: root@apollo.HP.COM
Reply-To: hays@hpuslua.nsr.HP.COM (John Hays KD7UW)
Organization: Hewlett-Packard Company, Apollo Division; Chelmsford, MA
Lines: 20
```

I don't really mind giving the information out once in awhile, but sometimes I'm in a hurry, I just want them to take my money, give me change and a receipt and let me go. [I've already paid to much for the part, but Salt Lake City isn't Silicon Valley -- I make a pilgrimage to Fry's whenever I get to Santa Clara] --- On one occasion I said "My time is more important to me, than your mailing list." (Politely, but I was in a rush) --- The response was "you can shop somewhere else" (half under breath) and a receipt.

In the same store, on another occasion in the same store a middle aged woman took the cleark to task over address info for a charge.

I know in the old days the stores used to get something like 2.5 cents a name and address, so when I worked part-time at one store, I was supposed to go through the phone book during slow periods and fill in names on reciepts where people did not give the information (during slow periods).

Maybe someone should capture this whole thread and mail it to the CEO
of Radio Shack?

John KD7UW

```
From -1350678704569379279
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df7f633ce9784c56,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 02:28:42 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House,
Swindon")
Newsgroups: rec.ham-radio
```

Subject: Equipment servicing..
Message-ID: <11.Jan.91.10:35:59.GMT.#0309@UK.AC.NWL.IA>
Date: 11 Jan 91 10:28:42 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19

>This reminds me....I have heard that if some minor part on the motherboard
>of your average clone computer fails (say a DIODE, which costs about 9 cents)
>that NO ONE who you take your PC to for repair will ever replace the
>diode. They always charge you for a NEW MOTHERBOARD, since a failure on
>the motherboard is regarded as too complex, and they never attempt
>component level troubleshooting on these things anyway.
>
>Is this true?
>

Quite often YES; it is cheaper to replace a whole motherboard (or disk
controller or whatever) then to have a repeat callout for the service
team. Remember in many instances the travel time costs more than the
parts used. Often, disturbing an old board increases the probability of
subsequent failure (disturbing old dry joints is not a good idea).
It is also easier for the repairer to offer a 90-day warranty if they have
fitted a whole assembly straight out of the box.
And then us hams get their hands on the 'dead' boards and replace the diode.......

Pete Lucas PJML@UK.AC.NWL.IA G6WBJ@GB7SDN.GBR.EU

From -3558814933966799484
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea5c6ad8072235f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 04:39:28 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: DSP for the non-EE
Message-ID: <4551@lib.tmc.edu>
Date: 11 Jan 91 12:39:28 GMT
References: <4520@lib.tmc.edu> <849@idacrd.UUCP>
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 7
Nntp-Posting-Host: thesis1.hsch.utexas.edu

Bob, your book sounds like just the thing. I'm looking forward to it.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
"I smell a scientific fish." -- Chip Salzenberg

```
From 751177472159187945
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c7725eaa2980ec34
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 04:52:43 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!bcm!lib!
thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <4552@lib.tmc.edu>
Date: 11 Jan 91 12:52:43 GMT
References: <1046.278CE42D@w8grt.fidonet.org>
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 16
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <1046.278CE42D@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim
Grubs) writes:
>This code testing is of trivial importance. The issue I, as a taxpaying U.S.
>citizen, am REALLY pisssed about is that West Point no longer requires cadets
>to take classes in horsemanship. How in the hell do they expect Army officers
>to worth anything if they can't ride a horse?

Don't laugh, Jim. The Texas Rangers (yes, they still exist, as a unit of the
Texas Department of Public Safety) still require their members to own a horse,
and they're well respected as an elite law enforcement unit - with stringent
entry requirements, and a long, long waiting list to get in.

Next silly example?
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu  | adequately be explained by stupidity.
            "I smell a scientific fish." -- Chip Salzenberg


From -2714355377988500320
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,147263284118940,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 05:16:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!rpi!uwm.edu!
linac!att!pacbell.com!ucsd!ucbvax!UNCG.BITNET!MOSIER
From: MOSIER@UNCG.BITNET (Steve Mosier)
Newsgroups: rec.ham-radio
Subject: Exam Procedure
Message-ID: <D75AEB24D3BF201851@uncg.bitnet>
Date: 11 Jan 91 13:16:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
```

I know that the VE organization doesn't presently (before no-code) give Novice exams. But I would assume that if a non-ham goes into a walk-in exam site for his Technician, that he would be given the Novice and Tech written as well as the 5 wpm code. Is this correct? A friend of mine wants to get his Tech license before no-code starts, and there is a local walk-in exam on the first Saturday in February.

tnx es 73 - de W3GRG steve

From 2867959977051019298
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d23d544b37df29cd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 05:41:46 PST
Path: gmdzi!unido!mcsun!uunet!samsung!dali.cs.montana.edu!masscomp!ocpt!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: VE tests in the Outer Banks, NC area
Keywords: VE tests, NC, Outer Banks, my uncle
Message-ID: <1348@tsdiag.ccur.com>
Date: 11 Jan 91 13:41:46 GMT
Organization: CONCURRENT,ENG. SERVICES,OCEANPORT NJ
Lines: 9

Does anyone know of any VE tests in or near Nags Head, NC? My uncle is studying now for his advanced ticket, and hopefully soon we'll need to find a VE! He actually lives in Spot, but anywhere within 75 miles of Nags Head would be fine. Thank you in advance,

```
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

From 7633159548347492089
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bdc1dabe095d7cb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 05:56:40 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: ARRL Logo in PostScript
Message-ID: <426@ultrix.uhasun.hartford.edu>
Date: 11 Jan 91 13:56:40 GMT
References: <NELSON.91Jan8160515@sun.soe.clarkson.edu> <41297@nigel.ee.udel.edu>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 23

In article <41297@nigel.ee.udel.edu>, masters@freezer.it.udel.edu (paul masters) writes:
> I got a memo, published by the ARRL, from a ham radio store here in
> Delaware. I was thinking it might be nice if we could reprint it in
> our university paper to atract members to the Udel ARA. Would this be
> illegal?

If it's a news release, W1AW bulletin or something of that sort, you can use it. If it's something from QST or another copyrighted ARRL publication, you need permission (routinely given, but ask). Basically, if there is a copyright notice anywhere on the page, you need permission, otherwise not.

If you want to reprint copyrighted ARRL material, seek permission by writing to:

Mark Wilson
ARRL
225 Main Street
Newington, CT 06111

```
--
Jon Bloom, KE3Z                              | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu         |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

From 8642595622908096680
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ccd94040315cfee1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 05:59:57 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!decwrl!ucbvax!LEAV-EMH.ARMY.MIL!RTDIMO%GOR1
From: RTDIMO%GOR1@LEAV-EMH.ARMY.MIL (Larry Carr)
Newsgroups: rec.ham-radio
Subject: Radio Shack Bashing
Message-ID: <9101111518.AA29048@ucsd.edu>
Date: 11 Jan 91 13:59:57 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13

I don't shop much at RS because of the problems discussed here. But RS is not the only store that is in the dark ages when it comes to dealing with customers. I was in Sears the other day trying to purchase a pair of pants. When I tried to use my MAJOR credit card I was told they only take Sears credit card, check or cash. I had no cash, my sears credit card was at home, so I wrote a check. For ID the cashier asked for my drivers license and a MAJOR credit card. She then proceeded to write down my credit card number on the check, with my drivers license number. I didnt think about it till later, but they could use my credit card number to commit fraud, even though my check is good. Now I remember why I never shop at Sears, they are still in the dark ages of modern finance. Go to the local grocery store or Walmart and they run your card (just about any card) through a slot, the register prints your receipt, and you are on your way.

From 7539460452919268150
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8163a0129de4dc0e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-11 06:03:39 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!rpi!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <427@ultrix.uhasun.hartford.edu>
Date: 11 Jan 91 14:03:39 GMT
References: <139@decabo.enet.dec.com> <kNeJV4w163w@phoenix.com> <YETSKO.91Jan10083555@interlan.interlan.com>
Sender: news@uhasun.hartford.edu
Followup-To: Zrec.ham-radio
Organization: The University of Hartford
Lines: 20
Xref: gmdzi rec.radio.shortwave:3449 rec.ham-radio:19184

In article <YETSKO.91Jan10083555@interlan.interlan.com>,
yetsko@interlan.interlan.com (Mike Yetsko) writes:
>
> With the advent of the point of sale system, control is taken from the
> sales employee, but I bet there is a 'procedure' to say refused, but I'll
> also bet thatnot 1 in 10 employees know how to do it at the terminal.

You know, I've been in RS stores all over the northeast U.S. and have _never_ had a problem with refusing to give my name and address. Maybe it has something to do with the way you refuse? In any case, my experience hasn't changed due to the advent of the point-of-sale terminals. They can skip over the phone-number stuff and go directly to entering the purchase info. (I don't know the details, but I've seen it done numerous times.) And no RS employee ever seemed confused about how to do it, either.

I dunno, maybe it's a regional thing.
--
```
Jon Bloom, KE3Z                              | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu         |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

From 8816564876471115320
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,104d82c82da6fb5a

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 06:21:00 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!usc!ucsd!ucbvax!
ULKYVX.BITNET!MEHARP01
From: MEHARP01@ULKYVX.BITNET (Michael Harpe)
Newsgroups: rec.ham-radio
Subject: WEFAX question and comments
Message-ID: <D751D018799FC03E6F@ulkyvx.bitnet>
Date: 11 Jan 91 14:21:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6
Posted: Fri Jan 11 08:21:00 1991

The Fourth Edition of the Weather Satellite Handbook is available from the ARRL as it is an ARRL publication. Cruise your favorite hamfest or order from any ham store that sells ARRL publications.

Mike Harpe, N4PLE
University of Louisville

From 1022596596214589467
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edf9be979cc618a6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 06:23:06 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!
XEROX.COM!Geoffrey_C._Williams.Wbst207V
From: Geoffrey_C._Williams.Wbst207V@XEROX.COM
Newsgroups: rec.ham-radio
Subject: RE:Help with HAMCOM
Message-ID: <"11-Jan-91..9:23:06.EST".*.Geoffrey_C._Williams.Wbst207V@Xerox.com>
Date: 11 Jan 91 14:23:06 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: G4JJO.WBST207V@xerox.com
Organization: The Internet
Lines: 15

I also have had the same exact problems that Marc mentioned in his note yesterday <mlefebvr@ireq.hydro.qc.ca>.

I am using a Sharp laptop which locks up, also cannot get Com 1 or Com 3 to be regognised, as only Com 1 is available I'm anxios to find a solution. The people who have got it run sound enthusiastic about it.

```
 *******************************************************
 * Geoff C. Williams,   Bldg 207-02B,  Xerox Corp, Webster,  NY14580 *
 *         Telephone :   716-422-7422         Fax :     716-422-3702
*
 *                        Arpa :   G4JJO.WBST207V@Xerox.COM
*
```

```
 *******************************************************

From -1655062072369747504
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e2d093decfc5448
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 06:28:34 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!ucsd!ucbvax!unb.CA!LANG
From: LANG@unb.CA
Newsgroups: rec.ham-radio
Subject: Re: gateway to mcimail
Message-ID: <ID4770.D910111.T102836.LANG@unb.ca>
Date: 11 Jan 91 14:28:34 GMT
References: <info-hams-relay@UCSD.EDU>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19
Posted: Fri Jan 11 08:28:34 1991

> Subject: gateway to mcimail
> To: info-hams@ucsd.edu
>
> Could someone please supply the path to mcimail.  I'm not able to
> find the gateway system.

From the Internet, use one of
  accountname@mcimail.com
  mci_id@mcimail.com
  full_user_name@mcimail.com
depending on the MCI Mail service your intended recipient uses.

================================================================================
 Richard B. Langley                             BITnet: LANG@UNB.CA or SE@UNB.CA
 Geodetic Research Laboratory                   Phone:  (506) 453-5142
 Dept. of Surveying Engineering                 Telex:  014-46202
 University of New Brunswick                    FAX:    (506) 453-4943
 Fredericton, N.B., Canada  E3B 5A3
================================================================================


From -7576235552164146067
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d770ae5faed8d15e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,d770ae5faed8d15e,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1991-01-11 06:51:48 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!psuvax1!rutgers!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: * SpaceNews  14-Jan-91 *
Keywords: Salyut-7, Mir, CRRES
```

Message-ID: <398@ka2qhd.UUCP>
Date: 11 Jan 91 14:51:48 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 127
Xref: gmdzi rec.ham-radio:19222 sci.space:18919

SB SPACE @ ALLBBS < KD2BD $SPC0114
* SpaceNews 14-Jan-91 *

Bulletin ID: $SPC0114

SpaceNews

MONDAY JANUARY 14, 1991

SpaceNews originates at KD2BD in Wall Township, New Jersey, United States. It is published every week and is made available for unlimited distribution.

* SALYUT-7 NEWS *

The abandoned Soviet space station Salyut-7 is losing altitude rapidly and is expected to re-enter the Earth's atmosphere shortly. Salyut-7 was launched on 19-Apr-82 from the USSR, and its orbit has dropped 125 kilometers in altitude in the past year. The following chart illustrates the rapid decay of Salyut-7:

Date	Epoch	Mean Motion	Decay Rate	Mean Altitude (km)
04Oct90	90 275	15.74591875	0.00048781	345.861317
11Oct90	90 283	15.75692165	0.00075804	342.730818
18Oct90	90 290	15.77179921	0.00118039	338.503706
24Oct90	90 296	15.78544938	0.00100890	334.631165
01Nov90	90 304	15.79911872	0.00087634	330.758778
08Nov90	90 310	15.81020057	0.00087992	327.623495
14Nov90	90 318	15.82804120	0.00111688	322.583704
21Nov90	90 324	15.84350908	0.00134970	318.221848
29Nov90	90 330	15.85642314	0.00095251	314.585590
06Dec90	90 338	15.87308204	0.00120043	309.902161
13Dec90	90 346	15.89855946	0.00176075	302.755350
20Dec90	90 352	15.91896486	0.00174533	297.045069
27Dec90	90 361	15.95063508	0.00196572	288.206543

Salyut-7 carries an object number of 13138 and has been heard transmitting telemetry on a frequency of 19.954 MHz. COSMOS 1686 (object 16095) is also in a similar orbit and is expected to decay with Salyut-7.

A good approximation for predicting the re-entrance date for Salyut-7 is given by the formula:

Epoch + (16.666666 - Mean Motion) / (Decay Rate * 10)

This places the re-entrance date around 01Feb91.

* CRRES NEWS *

NASA will use the Combined Release and Radiation Effects Satellite (CRRES) this month to study the Earth's ionosphere and magnetosphere. CRRES will release chemicals in space that will produce clouds of artifically injected charged particles, which when illuminated by the sun, will produce brightly colored patches in the night sky. The patches should be about the size of the full moon and be nearly as bright.

The releases should be visible from the entire continental US, most of Canada, Central America, the Caribbean, and much of South America. The clouds may also be visible low in the western skies from western Africa and Europe several hours before dawn.

A total of seven releases are planned, three in which lithium will produce a red glow and four of barium, which will glow green and purple. The release opportunities will occur on the nights of January 10, 12, 14, 15, 17, 19, 21, 23, 24, and 25. Exact times are tentative, but should occur around 8:45 PM EST.

Here is a set of Keplerian data for tracking the CRRES spacecraft:

```
CRRES
1 20712U          91  1.18045573  .00000791  00000-0  77598-3 0   836
2 20712  18.2613 341.9621 7125628 321.1119   4.7208  2.43677978  3906
```

* U2MIR NEWS *

Joel Magid, N1HZH, reports that U2MIR QSLs should be addressed to:

Leonid Labutin
Veshiakovskaya St. 11-1 56
111539 Moscow USSR

* TNX QSL! *

A special thanks to all those who sent QSLs and letters to SpaceNews:

NY7P   : Mona Singleton, Vancouver, Washington, U.S.A.
WA9BZW : Al Hovey, Jr., Madison, Wisconsin, U.S.A.

...and e-mail messages:

LA1KP, KA2QHD, WA2JRV, RW3DZ, N4SDC, KR4V, W4AT

* FEEDBACK WELCOMED *

Feedback regarding SpaceNews can be directed to the editor (John) via any
of the following paths:

INTERNET : kd2bd@ka2qhd.de.com
PACKET : KD2BD @ NN2Z.NJ.USA.NA
UUCP : ...uunet!rutgers!ka2qhd!kd2bd

MAIL : John A. Magliacane, KD2BD
Department of Electronics Technology
Advanced Technology Center
Brookdale Community College
765 Newman Springs Road
Lincroft, New Jersey 07738
U.S.A.

/EX
--
John A. Magliacane FAX : (908) 747-7107
Electronics Technology Department AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College UUCP : ...!rutgers!ka2qhd!kd2bd
Lincroft, NJ 07738 USA VOICE: (908) 842-1900 ext 607

From 7163864322730487126
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6569e351a5eb59a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 07:06:15 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!ncar!news.miami.edu!
rcf.rsmas.miami.edu!eakin
From: eakin@rcf.rsmas.miami.edu
Newsgroups: rec.ham-radio
Subject: Re: Cushcraft R5
Message-ID: <1991Jan11.100615.11360@rcf.rsmas.miami.edu>
Date: 11 Jan 91 15:06:15 GMT
References: <E15ED8622B7F00665F@ROSEVC.Rose-Hulman.Edu> <7880406@hpfcdc.HP.COM>
Lines: 20

In article <7880406@hpfcdc.HP.COM>, perry@hpfcdc.HP.COM (Perry Scott) writes:
>
> The advantage of the HF6VX is that it offers multiple quarter wave
> operation on 10/15/20 (slightly more gain). There are no traps - the
> whole antenna radiates on all bands. The disadvantage is that it
> requires radials to perform well.

> If you intend to move the antenna
> a lot, you probably want an R5, and use a horizontal wire loop and

```
> Transmatch for 40/80/160.
>

For those of us that are less well informed, what sort of wire loop do you
recommend?

--
C. Mark Eakin
Internet: Eakin@RCF@RSMAS.miami.edu
Amateur Radio: N4SYK      Packet Radio: N4SYK@AB4LU.FL.USA.NA
USnail: Univ. of Miami, RSMAS-BLR, 4600 Rickenbacker Cswy. Miami, FL 33149-1098


From 6983520984656112075
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f5cf8a0e711dba6b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 07:06:27 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!abvax!iccgcc!macmillan
From: macmillan@iccgcc.decnet.ab.com
Newsgroups: rec.ham-radio
Subject: PACKET PATH FROM INTER-NET??
Message-ID: <2780.278d8e24@iccgcc.decnet.ab.com>
Date: 11 Jan 91 15:06:27 GMT
Lines: 5



I see many addresses containing packet network addresses such as WA8BXN
on this newsgroup.  How do I address an E-MAIL to get it to someone
out there.          73 de WA8ZHN / Jim


From -3859435351843193663
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8163a0129de4dc0e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 07:12:45 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!ucbvax!cpdvax.csc.ti.com!
dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Radio Shack bashing
Message-ID: <9101111512.AA22663@tilde>
Date: 11 Jan 91 15:12:45 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15

In <popyackl@lonex.radc.af.mil (Leonard J. Popyack)> Leonard says:

>I go into their stores.  So one time I **HAD** to have my fun...
>
```

>"Can I help you find something, sir?"
>"Yes, I am looking for a Metal Oxide Semiconductor FET having a transconductance
>of at least 20000 mhos. Where can I find it?"

Want to have some more fun? Walk into a *real* electronics parts house and
hand 'em that line.

73,
Dube   N5PDK

"Why waste time learning, when ignorance is instantaneous?" -Hobbes

From -8453706443078887881
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b093914a62ceb539
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 07:33:49 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!sdd.hp.com!ucsd!
ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Homebrewing
Message-ID: <9101111533.AA24448@tilde>
Date: 11 Jan 91 15:33:49 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20

In <alanb@hpnmdla.HP.COM (Alan Bloom)> Al writes:

>In rec.ham-radio, k3tx@wells.UUCP (Dave Heller) writes:

>>A Voltmeter measures Volts.

>>A Potentiometer measures potentios.

>>See any hamfest for bargains on potentios.

>>See me when you ;find a use for them.

>I also have a batch of milli's and kilo's to measure.

Sign seen on a piece of equipment: "CAUTION - 1 MILLION OHMS"

73,
Dube   N5PDK

"Why waste time learning, when ignorance is instantaneous?" -Hobbes

From 6493721893759230547
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,9508a5ea90f2c376,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9508a5ea90f2c376,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-11 07:35:16 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!know!tegra!vail
From: vail@tegra.COM (Johnathan Vail)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: R7000 Remote Control Mod
Message-ID: <1914@atlas.tegra.COM>
Date: 11 Jan 91 15:35:16 GMT
Organization: Tegra-Varityper, Inc., Billerica, MA
Lines: 33
Xref: gmdzi rec.radio.shortwave:3453 rec.ham-radio:19194
```

Here are the details of a mod I sent to MT a few years ago:

This will change the function of the MS key on the remote control to select SELECTED MEMORY SCAN instead of MODE scan. Why they didn't provide this as a function in the first place seems rather odd.

On the remote control option board inside the R7000, remove the cathode of D40 from the board and bend the diode up slightly. Attach a small wire, like #30 wire-wrap or something, to the lifted cathode and tack solder it to the cathode of D32.

You could do this with cuts on the board but the tack solder method allows the mod to be backed out easily if needed.

An alternative method is to run the wire from D40 through the hole where it used to be, and solder to the gray wire (pin 8) of P1.

I figured this out with a scope and the schematic. The switches are all polled by the CPU through a diode matrix. Lots of combinations are possible but I didn't fool around too much.

73s, jv

"Cheerio-Magnetics: The tendency of the last few cheerios in a bowl of milk to cling together for survival."

```
 -----
|     | Johnathan Vail | n1dxg@tegra.com
|Tegra| (508) 663-7435 | N1DXG@448.625-(WorldNet)
 -----  jv@n1dxg.ampr.org {...sun!sunne ..uunet}!tegra!vail
```

```
From 19802050802437929 43
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9db0794c573ac9f8
```

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 07:50:54 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!XEROX.COM!Mike_Beezley.Houston
From: Mike_Beezley.Houston@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Ramsey kits
Message-ID: <"11-Jan-91..9:50:54.CST".*.Mike_Beezley.Houston@Xerox.com>
Date: 11 Jan 91 15:50:54 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 28

Walter

Although I haven't finished the Ramsey 40M QRP rig I have read through the instruction book and I would say that Ramsey appears to be trying to emulate the Heathkit approach to kit building. The manual I have has a few hand-written notes in it but that kinda makes me feel better. Someone has taken the time to go over it and check it for accurracy. A review was done of this particular kit in the Dec 89 73. The reviewer mentioned that the instuctions seemed to be written for people with experience in electronics (no resistor color code breakdowns). It appears Ramsey took that to heart, there are now color codes in the instructions.

My only complaint was with the crystal frequency supplied in the kit. It was for 7.040 (the QRP international calling frequency). The problem is I am a Tech and Techs can't work that freq. I called Ramsey and it was explained that to hold down the cost of the kit they ask around to the crystal manufacturers and they buy up quantities of whatever is available. The author of the 73 article complained about the fequency of the crystal in his kit also. The crystal was 7.1mHz (the Novice fequency)! I have since ordered a couple of crystals from JAN ($8.95 a piece shipped). Like a ham friend of mine says...'upgrade and you can use the 7.04'.

I'll let you know how it works out after I get the kit built...and the new crystals.

__mike
N5PWP@WA4EWV.TX

From 7597763046939586529
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,147263284118940
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 08:00:03 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!ncar!midway!midway.uchicago.edu!pbhx
From: pbhx@midway.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: Re: Exam Procedure

Message-ID: <1991Jan11.160003.28216@midway.uchicago.edu>
Date: 11 Jan 91 16:00:03 GMT
References: <D75AEB24D3BF201851@uncg.bitnet>
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 21

In article <D75AEB24D3BF201851@uncg.bitnet> MOSIER@UNCG.BITNET (Steve Mosier) writes:
> I know that the VE organization doesn't presently (before no-code) give Novice
> exams. But I would assume that if a non-ham goes into a walk-in exam site for
> his Technician, that he would be given the Novice and Tech written as well as
> the 5 wpm code. Is this correct? A friend of mine wants to get his Tech
> license before no-code starts, and there is a local walk-in exam on the first
> Saturday in February.

I don't know where you got this information. All VE organizations give
Novice exams. Novice exams can also be given by two Generals. However,
only VE organizations can give Tech and up.

Peter B. Hayward   WX9T
University of Chicago Computing Organizations

From 1418012908642175530
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 08:01:29 PST
Path: gmdzi!unido!mcsun!uunet!attcan!lsuc!canrem![greg_trice@canrem.uucp]
From: greg_trice@canrem.uucp (greg trice)
Newsgroups: rec.ham-radio
Subject: homebrewing
Message-ID: <199111.799.7276@canrem.uucp>
Date: 11 Jan 91 16:01:29 GMT
Reply-To: "greg trice" <greg_trice@canrem.uucp>
Organization: Canada Remote Systems
Lines: 19

Michael. A Covington writes:
-> The main motive for homebrewing a 2-meter rig would be self-training,
-> not saving money. It would have to be inexpensive, however, because
-> people wouldn't want to spend $250 on a self-training project when
-> they could have a full synthesized HT for that price.

But that's not the point. What I'm interested in is DESIGNING and
BUILDING the equipment. That's my hobby. Actually using it is very

secondary. Many of the things I built cost much more in parts than I
could have bought a complete unit for. But I wasn't homebrewing to save
money. I was homebrewing because that is what I was interested in.
 On the other hand, a bit of imagination can save a lot of money. The
only cost of my first 2-meter station (receiver and transmitter) was
solder. Everything else was recycled - now there's a very trendy word
:-{) , from discarded TV sets. These are still a wonderful source of
parts for homebrewers.
--
Canada Remote Systems. Toronto, Ontario
NorthAmeriNet Host

From 2055612014040434089
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 08:04:14 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <1949@ke4zv.UUCP>
Date: 11 Jan 91 16:04:14 GMT
References: <19917.799.7009@canrem.uucp> <654@chiton.ucsd.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 79
Posted: Fri Jan 11 08:04:14 1991

In article <654@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
>In article <19917.799.7009@canrem.uucp> "greg trice" <greg_trice@canrem.uucp>
writes:
>>
>> What I'd really like to see is some licensing incentive to use homebrew
>>equimpent. Perhaps choice frequencies where commercial equipment is
>>banned (but how would you enforce it?) Or a new grade of license to get
>>which you had to show competence in design and construction of a useful
>>piece of ham equipment.
>>
>This is a great idea. Actually, getting into homebrewing is easier today than

This is a bad idea. What the amateur community does *not* need is yet another
class of license. Actually building something from scratch that works should
be a requirement for The Amateur License (singular). It would be a bear to
implement though.

>ever before. There are many good references available today (Demaw,Hayward and
>many others) that are well written introductions to building low cost simple
>HF gear and accessories. There are companies that will sell the PC boards and
>components for some well known designs to get new homebrewer started. Building
>and understanding a few basic designs from available kits is a good start on
>the road to homebrewing your own designs from scratch. In fact, a great place

>to start is the keyer in the November issue of QST. This little unit looks so
>nice I'm going to have to build one for myself.
>
>Now for a note of irony. The best way to learn about building HF transmitters
>is to start with (the outmoded mode) CW gear. Thats why you will hear so much
>activity around the QRP CW frequencies. I deliberately haunt the QRP CW freqs
>as I find the most interesting people there. I am constantly amazed by what
>some OPs have designed and built and put on the air. You won't find that kind
>of activity on the phone bands.

What you say is true on the lower portions of HF where FM is not legal. But at 10 meters and above, where low power rigs really shine, FM is legal. You can build competitive FM transmitters as easily as CW transmitters. And more importantly, you can build FM receivers that can compete with the commercial rigs without being an electronic engineer. A first class CW/SSB receiver is a major project. There probably aren't two dozen homebrew CW/SSB receivers in the country that can compare favorably with commercial equipment. There are thousands of homebuilt FM receivers that are every bit as good as their costly commercial competition floating around.

>Now for another even heavier note of irony. If the current attempt to drive CW
>off the air to make room for the expanding digital and phone modes succeeds, it
>will also eliminate the only watering hole for HF experimentation and learning.
>There is a small anti-CW faction doesn't just want to eliminate the CW licence
>requirement for above 30 Mhz which I support,they want to eliminate CW operation
>period as being a useless and archaic mode. Since they don't operate CW they
>are not aware of the large volume of CW activity that is going on and the useful
>place CW occupies in the Amateur Radio Service. If they win, we all lose. But
>thats politics.

I don't think that what you are saying is true. Most people who wish to reduce the role of Morse *testing* in our licensing structure do so because they believe it's unfair to give so much emphasis to one operating mode on the exam while virtually ignoring other more popular modes on the test. This is a *testing* issue not an *operating* issue. Anyone wishing to operate CW will be forced to gain competence in order to do so effectively. Testing is irrelevant.

Some also feel that reserving nearly half of the HF amateur spectrum exclusively for narrow band digital modes at the expense of wide band modes is unfair. CW transmissions are legal on every amateur frequency while SSTV and voice are restricted from using nearly half of the HF spectrum. Narrow band digital modes other than CW are restricted to less than half the HF spectrum and wide band packet is prohibited completely. So CW operators have the run of the entire spectrum while other users are restricted to cramped ghettos. Does that seem fair? I don't think that CW is likely to disappear from the HF spectrum, but I do think that CW operators are likely to have to share the spectrum more fairly in years to come. After all they are the ones who claim that CW can always get through. :-) Canada has recently removed all subband restrictions at HF. I believe that the same will eventually happen here. This shouldn't sound the death knell for CW. CW operators will be able to find many vacant 200 Hz spots in the spectrum to

practice their art. It may drive voice users crazy, but that's their
problem. Let them build notch filters.

Gary KE4ZV

From 2888072783057380587
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 08:38:30 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <1950@ke4zv.UUCP>
Date: 11 Jan 91 16:38:30 GMT
References: <19917.799.7009@canrem.uucp> <1991Jan8.053536.11635@athena.cs.uga.edu>
<655@chiton.ucsd.edu> <~TY^SQ^@rpi.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 15
Posted: Fri Jan 11 08:38:30 1991

In article <~TY^SQ^@rpi.edu> luigi@aix03.aix.rpi.edu (John L Luigi Giasi) writes:
>Let me point out the for weak signal work and inexpensive u-wave gear
>CW is the only way to go. Rarely pointed out are the groups of hams that feel
>anything below 1296 is appliance country, many of them feel that those who

While I share your enthusiasm for SHF, I must point out that wideband FM
is a much less expensive way to get started on the bands than CW. The
stablility and narrow IFs needed to effectively use CW aren't that easy or
cheap to achieve at SHF. Narrow bandwidths and ultra stable rigs are needed
for weak signal work, but weak signal work isn't the end all and be all of
SHF. I guess that, like racing, it improves the breed by pushing the limits
of sensitivity, but not everybody wants to drive an Indy car on the weekends.
I'd rather drive a truckload of data across town. :-)

Gary KE4ZV

From -3921146535208002446
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95ab80d98868afe9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 08:44:01 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!apple!bionet!
agate!linus!linus!mwunix.mitre.org!m21198
From: m21198@mwunix.mitre.org (John McHarry)
Newsgroups: rec.ham-radio
Subject: Re: Passive Reflectors
Message-ID: <m21198.663612241@mwunix.mitre.org>
Date: 11 Jan 91 16:44:01 GMT

References: <CMM.0.88.663442192.rdixon@magnus.ircc.ohio-state.edu>
<5533@feldspar2.UUCP>
Sender: usenet@linus.mitre.org
Lines: 10
Nntp-Posting-Host: mwunix.mitre.org

svec@motcid.UUCP (Larry Svec) writes:

>I recently spent a half-day in a hospital emergency room and saw they
>had an inverted 17" antenna hanging from the ceiling...
>this was to help RF get in/out of the ER when paramedics come in with
>their HTs... any comments from anyone who knows for sure are welcome???

I think there is a similar setup in the emergency control center in Raleigh, NC to allow 2m HTs to access the local repeaters from the too-well-shielded basement center. Perhaps someone more familiar with that setup could post?

From 3826034196027151909
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95ab80d98868afe9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 08:53:35 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!haven!mimsy!mojo!chuck
From: chuck@eng.umd.edu (Chuck Harris - WA3UQV)
Newsgroups: rec.ham-radio
Subject: Re: Passive Reflectors
Message-ID: <1991Jan11.165335.19168@eng.umd.edu>
Date: 11 Jan 91 16:53:35 GMT
References: <CMM.0.88.663442192.rdixon@magnus.ircc.ohio-state.edu>
<5533@feldspar2.UUCP>
Sender: news@eng.umd.edu (C-News)
Organization: University of Maryland, Department of Electrical Engineering
Lines: 17

In article <5533@feldspar2.UUCP> svec@motcid.UUCP (Larry Svec) writes:
>I recently spent a half-day in a hospital emergency room and saw they
>had an inverted 17" antenna hanging from the ceiling which appeared
>to have a co-ax running to the outside of the hospital hooked to
>another similar antenna. I did not trace the coax to see if there
>were any modules of any sort along the way but it was my thought that
>this was to help RF get in/out of the ER when paramedics come in with
>their HTs... any comments from anyone who knows for sure are welcome???

I was told by one of the nurses at the cardiac center at George Washington Hospital that these antenna units were used to receive the heart monitor telemetry from the portable heart monitors that their patients wear when walking around the halls, or are on crash carts heading for help.

Chuck Harris - WA3UQV
chuck@eng.umd.edu

From 5308446335587986441
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7b3769612581306c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 08:59:34 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!pacbell.com!ucsd!ucbvax!STLAWU.BITNET!MROWEN
From: MROWEN@STLAWU.BITNET (Michael Owen W9IP/2)
Newsgroups: rec.ham-radio
Subject: What rig is best for VHF/UHF Work?
Message-ID: <9101111816.AA19175@ucsd.edu>
Date: 11 Jan 91 16:59:34 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: SAINT LAWRENCE UNIVERSITY
Lines: 41

In a recent posting, Jeff Zell NK3O asked for opinions on VHF/UHF rigs.

I have has a FT-736R ever since they first came out (almost 4 years, I guess). It would be a very fine rig if Yaesu didn't try to cram everyting possible into it.
Basically, the '736 appears to have been designed with the following sequence of users in mind:

1. Satellite Ops
2. FM/repeater ops
3. Casual VHF/UHF weak-signal (SSB/CW)
4. Serious weak signal (contests, EME).

If your interests are near the top, the '736 is a great rig. It can do lots of tricks for satellites, such as automatic VFO tracking, full duplex w/out desense, etc.
It has a zillion (= 1.0EZ) memories and changing them is not terribly tricky. However, memories are NOT tunable.
For those of us at the bottom of the list, all the knobs, memories, and buttons just get in the way.

I have found that the rig is operationally fine - nice and stable, decent (but not outstanding) overload-handling on RX, and good-sounding TX. I have installed the 220 and 50 MHz modules, and they work just great. I do a lot of VHF contesting, and it's nice to have four bands in a single box. However, by the time I get preamps and power amps and relays and footswitches hooked up, there are STILL a lot of cables draped across the back of the desk.

Major drawbacks, from my point of view:

1. Adding relay-switched outboard preamps is a #1 MAJOR pain; invest in NEC/GasFETS.
2. Band switching is awkward - to get from 2m to 6m you have to go through 220 and 432
3. You can't copy SSB while in the CW mode, even w/o the CW filter
4. There is no provision for out-of-band RX.

5. I have been told that it's hard to connect to a TNC, but ask someone who has tried.
6. Incredibly, there is no provision for A=B with the VFOs.

There you go.

From -2077013453439218355
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b6fced14dbe7537
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 09:13:18 PST
Path: gmdzi!unido!mcsun!uunet!sbi!zeus!pivot-nj!canada!jerrys
From: jerrys@canada.sbi.com (Jerry Simonowits)
Newsgroups: rec.ham-radio
Subject: Re: new technician class
Summary: The process is the problem
Message-ID: <132@canada.sbi.com>
Date: 11 Jan 91 17:13:18 GMT
References: <126@canada.sbi.com> <1991Jan10.215543.2696@ux1.cso.uiuc.edu>
Organization: Salomon Brothers - NJ
Lines: 21

In article <1991Jan10.215543.2696@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN) writes:
> jerrys@canada.sbi.com (Jerry Simonowits) writes:
> There is no mention in the rule changes that the test must take place
> on or after Feb 14 1991. What the rules DO SAY is that the privileges
> are in effect for licenses ISSUED on or after Feb 14 1991.
>
> --Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
> <phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

Phil,
I know, I know. Everyone agrees that if you get your 2 and 3a done before 2/14 you are entitled to the license. The only question is how do you get it done, there is NO process in place to do so.

Jerry Simonowits
Salomon Technology Services, Inc.
Internetworking & Support Group
Phone: 201-896-7330
Email: jerrys@canada.sbi.com
(KB2GCG)

From -2073979068424539845
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95ab80d98868afe9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 09:13:49 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!

XEROX.COM!Hugh_E._Wells.El_Segundo
From: Hugh_E._Wells.El_Segundo@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Re: Passive Reflectors
Message-ID: <"11-Jan-91..9:13:49.PST".*.Hugh_E._Wells.El_Segundo@Xerox.com>
Date: 11 Jan 91 17:13:49 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17

The comments from KD9OF about the use of 17" inverted antennas in buildings is very accurate. These antennas are really PASSIVE REPEATERS for use with handheld radios. Ground plane antennas have been used for years by hams to gain outside access from basements and from inside buildings. I suspect that a ham was part of the installation team for the hospital that was described.

For those familiar with the tunnels on the Harbor Freeway transitioning to the Pasadena Freeway (Los Angeles), you may have observed wires on the ceiling running the full length of the tunnel (wires have been in place there for over 50 years). These wires are passive repeaters for improving signal reception from AM broadcast to 512mhz.

73

Hugh Wells
W6WTU

From 7862381681899326278
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,53f285216174b5ec,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 09:31:33 PST
Path: gmdzi!unido!mcsun!uunet!sbi!zeus!pivot-nj!canada!jerrys
From: jerrys@canada.sbi.com (Jerry Simonowits)
Newsgroups: rec.ham-radio
Subject: how about muskets
Message-ID: <133@canada.sbi.com>
Date: 11 Jan 91 17:31:33 GMT
Organization: Salomon Brothers - NJ
Lines: 6

What really disturbs me as a tax payer is that the cadets don't have to qualify on muskets to graduate, and on cross-bow's to make capt. (smile..)

Jerry

From -1475521623987992606
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,a957b481268e2f40
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 10:01:01 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Other's view of codefree
Message-ID: <1050.278DAC3F@w8grt.fidonet.org>
Date: 11 Jan 91 18:01:01 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 35


 > From: stanley@phoenix.com (John Stanley)
 > Date: 11 Jan 91 01:00:10 GMT
 > Organization: Not BIFF At All (NBAA)
 > Message-ID: <Zm5kV2w163w@phoenix.com>
 > Newsgroups: rec.ham-radio
 >
 >
 > jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
 >
 > >  >     So, since the Fido document doesn't show that anyone is attracted,
 > >  > then it does not demonstrate that any fears are unfounded. It may still
 > >  > be that only radical outlaw CB'ers will be attracted. The Fido post
 > >  > didn't
 > >  > say any Fido people were.
 > >
 > > "Attracted" = "Their curiosity is aroused".
 > >
 > > Sheesh!
 >
 >    Nothing in that document showed that anyone (including the author)
 > was attracted to ham radio. Or, in terms you want, nothing said that
 > anyone had their curiosity aroused.

The mere fact someone was interested enough to write the article and the editor
was interested enough to publish it demonstrate my point.

Sorry I brought it up. I forgot that the purpose of Usenet newsgroups is to
generate opportunities for little people to demonstrate their intellectual
prowess by picking to pieces even the most innocuous comments.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org


From 2399915619662632808
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85d9209861665035
X-Google-Attributes: gid10c9e3,public
```

```
X-Google-ArrivalTime: 1991-01-11 10:29:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!
ucbvax!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: Is a passive reflector ever a "transmitter"?
Message-ID: <1250329@hpnmdla.HP.COM>
Date: 11 Jan 91 18:29:00 GMT
References: <1894@starfish.Convergent.COM>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 45
```

Using a passive reflector to allow communications over non line-of-sight (LOS) paths is really pretty common. To work best the reflector needs to be located in such a position that it intercepts a significant portion of the transmitted signal. This means that keeping it close to one end of the link and using a directional antenna to focus as much power as possible onto it is desirable. These conditions make particular sense in the uhf and microwave regions where very directional beams are most easily produced.

To get an idea of what you need, calculate what portion of the transmitted beam is intercepted by the reflector. You need to have an idea of the beamwidths(gain) to do this. This allows you to calculate the solid angle over which the transmit power is spread. Then see what portion of that power the reflector intercepts at its distance. If the reflector is specular (like a mirror) and positioned to reflect to the other end you now know the additional loss (beyond that of the LOS case) which would result.

Put another way, if you have enough LOS S/N margin to exceed the reflector's "intercept loss" then you will come out ahead.

If you only have a reflector which is dispersive (like a white sheet of paper instead of a mirror in visible light) then you have to calculate received S/N as though the transmitter were located at the reflector's location and running into an omnidirectional antenna instead of the gain antenna. Effectively you lose the columnating (sp?) originally produced by the transmitter's antenna. Columnation still serves to more effectively illuminate the reflector but is lost after reflection.

In locales with hilly terrain (like some rural areas here in Northern California) you can spot these "billboards" judiciously placed on hilltops to allow valley communities to get microwave communications in and out. If the hilltop isn't so far from the transmitter that the beam has spread out too much it can intercept enough power to allow reliable communications and it doesn't have the cost and maintenance problem that a full microwave relay would.

To calculate using yagis or other antennas as relays do the same thing as above for a specular reflector but use the antenna's aperture in place of the billboard's area. You'll discover why higher frequencies are favored, reaonable antenna size can provide narrower beams.

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From 1096986266949544343
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f74ee1b8b194289
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 10:31:39 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!zaphod.mps.ohio-state.edu!swrinde!elroy.jpl.nasa.gov!decwrl!pa.dec.com!rust.zso.dec.com!shlump.nac.dec.com!ryn.mro4.dec.com!ricks.enet.dec.com!reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: Re: Afghan Anarchy
Message-ID: <3753@ryn.mro4.dec.com>
Date: 11 Jan 91 18:31:39 GMT
Sender: guest@ryn.mro4.dec.com
Organization: Digital Equipment Corporation - Hudson, MA
Lines: 21

In article <7500081@hpfcso.HP.COM>, jayk@hpfcso.HP.COM (Jay Kesterson) writes...
>
>I saw a note posted on the local Packet Cluster last night. It stated that
>YA0RR was moving to a new QTH closer to the Russian border and it would take
>1 to 3 days to get back on the air.

From what I've heard, Romeo decided not to move out of Kabul, but was able to get the antennas up higher. They've apparently been workable from the US the past few evenings on the low end of 40 CW.

- Jim AD1C

=-=

"The opinions expressed here in no way represent the views of Digital
 Equipment Corporation."

James J. Reisert   Internet: reisert@ricks.enet.dec.com
Digital Equipment Corp.   UUCP: ...decwrl!ricks.enet!reisert
77 Reed Road
Hudson, MA 01749-2895

From -7034504671820340657
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95ab80d98868afe9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 10:40:58 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!hplabs!hpl-opus!hpnmdla!glenne

From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: Passive Reflectors
Message-ID: <1250330@hpnmdla.HP.COM>
Date: 11 Jan 91 18:40:58 GMT
References: <CMM.0.88.663442192.rdixon@magnus.ircc.ohio-state.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 16

I don't know for sure but a quick calculation leads me to believe that the loss between an ER HT and the outside antenna might be 40 dB or less. Seems like that might be pretty worthwhile in many buildings which look like waveguide-beyond-cutoff and can have pretty tremendous attenuation to the outside world. (The one I'm in right now doesn't let a 3 KW ERP FM station LOS and 5 miles away in to the middle of the room even though I can see it!) That is probably enough to get to a dispatcher or a repeater located somewhere in the vicinity of the hospital. Perhaps more importantly it lets the paramedics here an incoming radio page.

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From -97507504414777120
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d704ab7be6c96353,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 11:18:52 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!mikemr
From: mikemr@microsoft.UUCP (Michael MRAZ)
Newsgroups: rec.ham-radio
Subject: Where are the DX bulletins?
Message-ID: <60418@microsoft.UUCP>
Date: 11 Jan 91 19:18:52 GMT
Organization: Microsoft Corp., Redmond WA
Lines: 3

What happened to those great DX bulletins we used to see?
I'd sure like to see some more...
Thanks   Mike   N6MZ

From -8997788796962452637
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9db0794c573ac9f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 11:23:01 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!bronze!silver!anachem

```
From: anachem@silver.ucs.indiana.edu (|mehcana| (undersampled))
Newsgroups: rec.ham-radio
Subject: Re: Ramsey kits
Message-ID: <1991Jan11.192301.1682@bronze.ucs.indiana.edu>
Date: 11 Jan 91 19:23:01 GMT
References: <"11-Jan-91..9:50:54.CST".*.Mike_Beezley.Houston@Xerox.com>
Sender: news@bronze.ucs.indiana.edu (USENET News System)
Organization: Indiana University, Bloomington
Lines: 10

In article <"11-Jan-91..9:50:54.CST".*.Mike_Beezley.Houston@Xerox.com>
Mike_Beezley.Houston@XEROX.COM writes:
>
>Walter
>
>Although I haven't finished the Ramsey 40M QRP rig I have read through the
>instruction book and I would say that Ramsey appears to be trying to emulate
>the Heathkit approach to kit building.....
>

so....Where can one obtain these Ramsey kits?


From -2128608137231014476
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1bfe99081f447df
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 11:26:29 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!apple!agate!shelby!unix!
hplabs!hpfcso!jws
From: jws@hpfcso.HP.COM (John Schmidt)
Newsgroups: rec.ham-radio
Subject: Re: A New Topic to Beat to Death! (Was Codeless Tech)
Message-ID: <7500083@hpfcso.HP.COM>
Date: 11 Jan 91 19:26:29 GMT
References: <1991Jan10.205605.4469@midway.uchicago.edu>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 5

If you ask FCC for a duplicate license to replace a lost/destroyed one,
the duplicate has the same issue/expiration dates as the original, with
a "DUPLICATE" designation on the ticket. (I did this a couple years ago.)

John, NK0R


From 2513163324190706409
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ccd94040315cfee1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 11:32:00 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!ucsd!ucbvax!UNCG.BITNET!
MOSIER
```

From: MOSIER@UNCG.BITNET (Steve Mosier)
Newsgroups: rec.ham-radio
Subject: Re: Radio Shack Bashing
Message-ID: <D726751A4FDF201E74@uncg.bitnet>
Date: 11 Jan 91 19:32:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6
Posted: Fri Jan 11 13:32:00 1991

I just hate making this comment, because this discussion is getting SO OLD! But I just say, "It's unlisted." when asked for my phone number. The store people recognize me now and don't even ask. (My phone is listed, but I feel like the rest of you about giving it out to RS).

73 de W3GRG steve

From -1928548799937646530
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9d18f14b8d604228
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 11:32:56 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!xanadu!jeff
From: jeff@xanadu.com (Jeff Crilly N6ZFX)
Newsgroups: rec.ham-radio
Subject: Re: Others' view of codefree
Message-ID: <1991Jan11.193256.24982@xanadu.com>
Date: 11 Jan 91 19:32:56 GMT
References: <1042.278B5502@w8grt.fidonet.org>
Organization: Xanadu Operating Company
Lines: 28

In article <1042.278B5502@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>The following is part of the text of an article that appearred this week in
>FidoNews <tm>, the weekly newsletter of the amateur computer network called
>Fidonet <tm>. I am reproducing it here to demonstrate that the fears that only
>radical outlaw CB'ers will be attracted by the codefree license are
>unfounded.

[News release deleted]

>   [end of news release]
>
>   1) They use protocols similar to those used by the Internet
>   (e.g. AX.25 which is a takeoff on the X.25 protocol). Thus,
>   folks who get into amateur radio will probably be more at home
>   in the UseNet environment than in Fidonet.

The protocols really have no bearing on this. However, after working a little packet BBSs, I must say that the quality of the technology (software) and information content is less desirable than usenet or fidonet. (I would rank usenet 1st then fidonet.) I would really like to see improvement in the BBS software on packet. It is o.k. for message passing, but discussion groups just don't seem to work out. Maybe the solution is a TCP/IP based net running something like news. It seems like a good application for nntp.

Jeff Crilly (N6ZFX)
AMIX Corporation 2345 Yale Street Palo Alto, CA 94306
jeff@markets.amix.com, {uunet,sun}!markets!jeff, N6ZFX@N6IIU.#NOCAL.CA.USA

From -1655925514025681022
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,147263284118940
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-11 11:33:43 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!apple!agate!shelby!unix!hplabs!hpfcso!jws
From: jws@hpfcso.HP.COM (John Schmidt)
Newsgroups: rec.ham-radio
Subject: Re: Exam Procedure
Message-ID: <7500084@hpfcso.HP.COM>
Date: 11 Jan 91 19:33:43 GMT
References: <D75AEB24D3BF201851@uncg.bitnet>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 11

Other VE groups may vary, but at least in the one I'm in, once you pay the test fee you can take any any set of elements you desire -- you get a new license, upgrades, or CSCE's depending on what you manage to pass.

If you pass the right tests for a new license or upgrade, your Form 610 gets sent in to the VEC, along with copies of the CSCEs. If you don't qualify for a new license or upgrade, the Form 610 gets returned to you, and you get any CSCE's for completed elements (again, with copies to the VEC).

(No one has ever asked to take a harder written element after failing an easier one, though.)

From -2995650946041687378
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95ab80d98868afe9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 22:37:31 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!magnus.ircc.ohio-state.edu!rdixon@magnus.ircc.ohio-state.edu
From: Bob_Dixon@osu.edu
Newsgroups: rec.ham-radio
Subject: Passive Reflectors
Message-ID: <CMM.0.88.663442192.rdixon@magnus.ircc.ohio-state.edu>
Date: 9 Jan 91 17:29:52 GMT
Sender: Bob Dixon <rdixon@right.magnus.ircc.ohio-state.edu>
Reply-To: Bob_Dixon@osu.edu

Organization: The Ohio State University
Lines: 23
Originator: daemon@right.magnus.ircc.ohio-state.edu
Nntp-Posting-Host: right.magnus.ircc.ohio-state.edu

I once tried to connect two antennas together to act as a passive repeater, and it did not work. Here are the details.

On an ARES activity covering a wide rural area, 2m fm simplex was being used. The net control station could not communicate with one of the field stations that was down in a deep valley. I tried to fix that by going to a hilltop which had line-of-sight to both stations, and strong signals from both.
I erected 2 masts, each holding 8 element yagis ("Hilltoppers"), and connected them together using RG8/U coax. All these components were known to be working, as I also used them in other circumstances. The yagis were pointed directly at the two stations.

This made no difference. Neither station could still hear the other. I tried swinging the direction of the yagis in hopes of improving things. No help. So I gave up and manually relayed messages as needed.

Imade no calculations as to path loss etc, but I estimate the valley station was about a mile away downhill (I angled the yagi downward), and the other station about 10 miles away horizontally. The terrain was hilly, but both the net control station and I were on hilltops. The other stations were probably using 5/8 wave vertical antennas, on masts.

Bob Dixon W8ERD

From -6761924442699534049
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f08a771a9e97b84f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 22:38:56 PST
Path: gmdzi!unido!mcsun!ukc!warwick!esrlb
From: esrlb@warwick.ac.uk (Mr S Browne)
Newsgroups: rec.ham-radio
Subject: Info wanted - licences for Caribbean/Indian Ocean islands
Message-ID: <1991Jan9.163327.9640@warwick.ac.uk>
Date: 9 Jan 91 16:33:27 GMT
Sender: news@warwick.ac.uk (Network news)
Organization: Computing Services, Warwick University, UK
Lines: 11

With the chance of a cheap air ticket for Easter time, I'm considering a visit to either the Caribbean(probably 8P9,J6,V2) or Seychelles/Mauritius.
Addresses for application are presently awaited from RSGB, however I wonder if anybody on this net has any experience/info of obtaining licences for foreign operation in the above places?
Any help would be greatly appreciated,

73s

Simon Browne - G0GWA

From 2822089589294168215
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29b4a11527361cbc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 22:40:10 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!nddsun1!darla!waters
From: waters@darla.tmc.edu (Strawberry Jammer)
Newsgroups: rec.ham-radio
Subject: Giving out information (was Re: Radio Shack bashing
Message-ID: <803@nddsun1.sps.mot.com>
Date: 9 Jan 91 15:00:36 GMT
References: <1991Jan6.204033.19970@informix.com> <41aFV2w163w@phoenix.com>
<49974@sequent.UUCP>
Sender: root@nddsun1.sps.mot.com
Reply-To: waters%darla@dover.sps.mot.com (Strawberry Jammer)
Organization: Hacker's haven
Lines: 15
Posted: Wed Jan 9 09:00:36 1991

[dialog with mixed up attribution deleted]
In article <49974@sequent.UUCP> edw@sequent.UUCP (Ed Wright) writes:
{
{I would be really interested to know of an RS store that refused your cash.

Try the Radio Shack store in the Tri-City Mall, corner of Main St. and
Dobson Road, Mesa Arizona. Its in the west end of the mall.

They have done this to me several times, now I either lie or go somewhere
else.

--
*Mike Waters   AA4MW/7 waters@dover.sps.mot.com *

** If guns are outlawed, how will conservatives win arguments? **

From -4262274420622O7119
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8163a0129de4dc0e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 22:40:12 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!nddsun1!darla!waters
From: waters@darla.tmc.edu (Strawberry Jammer)
Newsgroups: rec.ham-radio
Subject: Stdying for the test (was Re: Radio Shack bashing
Message-ID: <804@nddsun1.sps.mot.com>
Date: 9 Jan 91 15:10:03 GMT
References: <49389@sequent.UUCP> <7880397@hpfcdc.HP.COM> <1818@sun13.scri.fsu.edu>

<1991Jan8.215126.16563@tridom.uucp> <845@wells.UUCP>
Sender: root@nddsun1.sps.mot.com
Reply-To: waters%darla@dover.sps.mot.com (Strawberry Jammer)
Organization: Hacker's haven
Lines: 29
Posted: Wed Jan 9 09:10:03 1991

In article <845@wells.UUCP> k3tx@wells.UUCP (Dave Heller) writes:
{> change the question pool "substantially" as of November 1990, and that new
{> books should be available October 1990.
{
{If you actually know what a fraction of what you should know to be a
{decent amateur operator the test should be no problem at all.

Very true, even the extra class test doesn't go into much depth. The extra
test covers a lot of areas though!

{If you plan to memorize enough to pass, well, shame on you.

Yup - not a good way to start!

{For learning material, I recommend ARRL.
{Get an ARRL Handbook
I agree! Watch for "cheap imitations" though, there are about a dozen
"amateur radio handbooks" arouind, the ONLY worthwhile one is the ARRL
Handbook. Get it, read it, study it, sleep with it .... :-)
{
{And get an ARRL Antenna Book - and read it.> --

That is ESPECIALLY true once you try to get on the air! I have four
editions and all four are about worn out!

--
       *Mike Waters   AA4MW/7 waters@dover.sps.mot.com *

 ** If guns are outlawed, how will conservatives win arguments? **

From -3665762550471874581
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,41a2a2f8d2307019
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 22:41:20 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!
sdd.hp.com!ucsd!ucbvax!dgc.ceo!Pete_Simpson
From: Pete_Simpson@dgc.ceo
Newsgroups: rec.ham-radio
Subject: Radio Shack
Message-ID: <9101091749.AD00055@rtp40.dg.com>
Date: 9 Jan 91 17:49:28 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10

I've been reading with interest the notes from people who feel, as I do, that Radio Shack can do without my help in building up their database of names, addresses and phone numbers. More than anything else, it's a real pain to have to spend the extra time giving them all that stuff. I no longer fight it; I now give them what they ask for, the last four digits of my phone number...at work. I give them my real name and my mailing address at work. Now I'm in their database but I'm not bothered at home by anyone they care to sell it to. BTW, nothing yet in the mail from them here at work & I've been doing this for a couple of months, now.

From -4257494475797675504
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 22:41:56 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!apple!netcom!edg
From: edg@netcom.UUCP (Edward Greenberg)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <20406@netcom.UUCP>
Date: 9 Jan 91 17:14:58 GMT
References: <19917.799.7009@canrem.uucp>
<1991Jan8.154536.29053@midway.uchicago.edu>
Organization: Netcom- The Bay Area's Public Access Unix System {408 241-9760 guest}
Lines: 10

In article <1991Jan8.154536.29053@midway.uchicago.edu> pbhx@midway.uchicago.edu (Peter B. Hayward) writes:
>How about special lanes on the interstates for people who build their
>own cars?

A fine idea when and if roads are provided by the govt for use only by hobbyist drivers for non-transportation driving only.
--
Ed Greenberg   WB2GOH/6
edg@netcom   {amdahl | amdcad | apple}!netcom!edg
CompuServe: 76703,1070   Packet Radio: WB2GOH @ N6LDL.CA.USA.NA

From -8878346731376464504
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64ebb1df5ba2dda2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 22:43:28 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio

Subject: Non-acidic RTV
Message-ID: <09.Jan.91.17:42:35.GMT.#9171@UK.AC.NWL.IA>
Date: 9 Jan 91 17:40:10 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8

The stuff i use was made by DOW CORNING CHEMICAL CO. and comes in an 'industrial' sized cartridge about a foot long and 2.5 inches diameter. The label has worn off it so i cannot tell you the part number....

p.s. one of these cartridges lasts one long time....!

Pete Lucas PJML@UK.AC.NWL.IA G6WBJ@GB7SDN.GBR.EU

From -6626925982840923148
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f4f5c26c7e724f5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 22:46:02 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: news
Message-ID: <1939@ke4zv.UUCP>
Date: 9 Jan 91 10:17:44 GMT
References: <1991Jan7.223343.1@acad2.anc.alaska.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 22

In article <1991Jan7.223343.1@acad2.anc.alaska.edu> atjmw@acad2.anc.alaska.edu writes:
>I am intrepedIy trying to develop a VHF/UHF antenna for my scanner. After
>initially devising a plan for a Log-Periodic Dipole, I became discouraged with
>the number of elements and size of the array. I am considering taking several
>verticle antennas set for various frequencies and feeding them with one coaxial
>cable. How would one go about feeding several VHF/UHF anteas? Can anyone make a
>guess on the antenna impedence? Thanks. -Atjmw3@alaska-

Just use a discone. Simple, elegant, no gain, flat from 30 to 1000 Mhz. Ugly too.

To feed several separate antennas you'll need power combiners, matching networks, and bandpass and band-reject filters. You don't really want to do this. Since the antennas are for different frequencies, simple combining networks won't do. Without filters all the antennas will contribute some signal at each frequency. This will lead to some mighty weird patterns. Also without proper filters you'll be throwing away half your signal at each combining point. You may wind up with less than the unity gain of the discone even though all your individual antennas have gain. Doing this right can be expensive and tedious. You *really* don't want to do this.

Gary KE4ZV

From -3914450313776645175
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e815f8d5dd6d7024
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 22:48:11 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!sdd.hp.com!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Making power tetrodes survive (was Re: 3CX800 amp(s))
Message-ID: <1940@ke4zv.UUCP>
Date: 9 Jan 91 11:27:02 GMT
References: <18765@shlump.nac.dec.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 55

In article <18765@shlump.nac.dec.com> beyer@utrtsc.dec.com (Peter Beyer) writes:
>In article <1934@ke4zv.UUCP>, gary@ke4zv.UUCP (Gary Coffman) writes...
>
>>The great advantage of this approach, from Eimac's point of view, is that
>>it sells a lot of tubes. Modern power tetrodes can't tolerate even momentary
>>excess screen current. Some method of near instantly opening the screen
>>circuit is essential to the survival of these tubes.
>
>
>Don't agree with that.... First of all, grounding the Screen and putting the
>Cathode on a negative voltage is just a way to eliminate the Screen bypass-
>capacitor hence creating a stable environment. Second, never ever let the
>screen or any elctrode in the tube get floating. It's a way of asking for
>flashovers!

By running the cathode at a negative 1100 or so volts you've now got the problem of adequate cathode bypassing. Since the cathode circuit may be flowing an ampere or more of RF current this is a much more difficult task than bypassing the screen grid with it's one or two milliamperes of RF current. Also you now absolutely require a separate screen supply and you still must limit screen current to a safe value under all conditions.
In addition you must now supply a control grid voltage about 50 volts more negative than the cathode, yet another ground isolated supply, and now your input circuit must be designed to block a much higher than normal DC voltage requiring either link coupling or wide spaced variable capacitors or both. Running the cathode so negative runs the risk of filament to cathode arcing unless the filament supply is isolated from ground by at least 2000 volt insulation. This seems a rather high price to pay to avoid a screen bypass capacitor. Modern power tubes like the 8890 have annular grid rings and it is easy to make the socket so that the grid

fingers are attached to a sheet forming one plate of the bypass with the other plate being grounded and forming part of the output cavity wall. A thin mica or mylar sheet forms the insulation between the plates.

I agree that letting the screen float is a sure plan for disaster. If your screen protection circuit opens the path to your screen supply you must supply a shunt path to ground. A high value resistor to ground directly connected to the screen is a good idea when using a separate screen supply in any case. A steady load like this on the screen supply will help it maintain stiff regulation. A good value for this shunt is one that will draw a static current ten times the maximum allowed for the screen grid.

>Grouding the Screen is used by Collins many years ago in their amplifiers
>already. I'am running an EME amp using this method with no problems, even when
>I deliberate let it flashover, the tube survives...

What power tetrode are you using that doesn't mind flashovers? Most modern tubes are damaged by flashovers. Usually cathode material is sputtered onto the envelope and grid structures causing eventual failure through internal shorting. The problem is progressive, one flashover may not kill the tube, but each additional flashover deposits more material on the enevelope and grid structures eventually killing the tube through a short.

Gary KE4ZV

From -4322349925283068622
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 22:58:28 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!elroy.jpl.nasa.gov!decwrl!mejac!orchard.la.locus.com!fafnir.la.locus.com!dana
From: dana@locus.com (Dana H. Myers)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <1991Jan10.065828.2817630@locus.com>
Date: 10 Jan 91 06:58:28 GMT
References: <19917.799.7009@canrem.uucp> <837@wells.UUCP> <1991Jan8.184642.19354@athena.cs.uga.edu> <5716@rsiatl.Dixie.Com>
Organization: Locus Computing Corporation, Inglewood, CA
Lines: 36

In article <5716@rsiatl.Dixie.Com> jgd@Dixie.Com (John G. DeArmond) writes:
>mcovingt@athena.cs.uga.edu (Michael A. Covington) writes:
>
>>I wonder if a super-simple homebrew 2-meter transmitter might be feasible.
>
>>Motivation: Many new hams already have a receiver (a scanner) but no
>>transmitter, and would like to talk on the local repeater.
>
>>Approach: Get a scanner crystal that is designed for 10.7 MHz above

>>your desired transmit frequency. E.g., if you want to transmit on 146.000,
>>get a 156.700-MHz scanner crystal.
>
>Not necessary. The stuff is already available. Hamtronics has $50
>transmitter strips that are very nice with 1 watt out. For a little
>more, one can get a complete Ramsey 2 meter synthesized radio kit for
>about $140 or so. And building the kit would give 'em a good dose of
>solder smoke, an essential ingredient in the initiation process.

Which Hamtronics kits are you talking about? The TA51 exciters are $99 in kit form. That's only a factor of 2 different than $50 :-) Nonetheless, the Hamtronics kits are quite nice. I've built the 28 to 50 MHz receiving and transmitting converters. Good kits, etc. worth the price.

I'm leary of too many hams cutting their homebrewing teeth on off-the-wall 2m rigs. Imagine the mayhem a poorly designed/built radio can cause with respect to interference, etc.

Dana

```
--
/*
 * Dana H. Myers KK6JQ      | Views expressed here are  *
 * (213) 337-5136      | mine and do not necessarily    *
 * dana@locus.com      | reflect those of my employer   *
```

From -6781520574280654170
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29fccf816319a12c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 23:05:28 PST
Path: gmdzi!unido!mcsun!uunet!munnari.oz.au!bruce!mlacus!pault
From: pault@mlacus.oz (Paul Taylor)
Newsgroups: rec.ham-radio
Subject: Peeling transfers on old wireless
Keywords: wireless,restoration
Message-ID: <707@mlacus.oz>
Date: 10 Jan 91 07:05:28 GMT
Organization: Aust Centre for UNISYS Software(ACUS Melb)
Lines: 26

My query is of interest to those sentimentalists (O.F.'s ?) of us who like to restore old valve radios.

I recently removed the plate glass tuning scale from a wireless (the glass sheet that sits in front of the tuning bar; the rear side of the glass supports a transfer which details all the radio stations for the various states of Australia, and frequency and logging scales).

In the process of cleaning it, parts of the transfer started to lift. I stopped everything and let it dry.

Once dry, the firm parts of the transfer are OK, but some of the thin lines which became loose have curled up, lifting off the surface of the glass.

I do not want to lose these bits, as the station information will permanently look damaged.

Can I use something to carefully 'glue' these small transfer fragments back onto the glass? Any ideas?

--

Paul Taylor (VK3BLY), Australian Centre for Unisys Software (ACUS).
pault@mlacus.oz

From 5031188376902107915
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,44b4dc986807fce1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 23:29:03 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: ARTIFICIAL AURORA ALERT - SPECIAL SOLAR TERRESTRIAL BULLETIN
Message-ID: <910110002903.25a00ca7@HG.ULeth.CA>
Date: 10 Jan 91 07:29:03 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 52

/\/\/\/\/\/\/\/\/\/\/\/\/\

SPECIAL SOLAR TERRESTRIAL BULLETIN

Artificial Aurora Alert

09 January, 1991

/\/\/\/\/\/\/\/\/\/\/\/\/\

At approximately 01:45 UT on 11 January (Thursday evening for the U.S. and Canada), an artificially created aurora will become visible over many Canadian and U.S. areas. Over most middle latitude locations, the auroral display will occur near the zenith (straight up). Southern Canada will see the aurora to the south of the zenith. Lower latitudes will see the aurora to the north of the zenith. Seeding will occur near 01:45 UT (5:45 pm PST, 6:45 pm MST, 7:45 pm CST, and 8:45 pm EST). There will be seven seedings take place, but the exact times of the other six seedings is not known.

This will be an excellent opportunity for people to observe an aurora. Much of the continental U.S. should be able to witness this aurora. Each seeding will produce a very intense aurora for approximately 5 to 10 minutes. To witness the aurora, get outside and away from city lights. Be at your observing site (ie. the countryside) by at least 01:15 UT to 01:30 UT. To observe the greatest auroral detail, give your eyes at least 15 to 30 minutes to become accustomed to the darkness. The auroral activity will be bright enough to capture on film, or to record with your Camcorder. Take hot drinks and warm clothing. The seedings may be spread out over several hours.

Radio propagation conditions during these periods of auroral activity will become notably disturbed over paths affected by the aurora. It may also be possible to accomplish auroral backscatter communications over VHF frequencies. Higher HF frequencies may also yield some interesting results. However, be aware that the auroral activity will be short-lived, hence any unusual radio communications achieved will likewise be short-lived.

PLEASE SEND A NOTE OF VISUAL CONFIRMATION OF THE AURORAL ACTIVITY IF YOU ARE ABLE TO SPOT THE AURORA. Send confirmations to "std_oler@hg.uleth.ca". Please include your observation location and a brief description of the activity you witnessed.

PLEASE ALSO SEND ANY NOTES OF DEGRADED RADIO COMMUNICATIONS TO THE SAME ADDRESS GIVEN ABOVE. Again, please state your transmitter or receiver location and a description of the radio anomalies experienced (strong fading, intense flutter, distortion or noise, etc.). Also please state the frequencies affected during your observations.

To all who send confirmation reports, thanks very much!

** End of Bulletin **

From 1946539165321528459
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5c9a7faf3283a203,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9b2269138298b5c1
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-09 23:32:44 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!ucsd!pacbell.com!att!cbnewse!parnass
From: parnass@cbnewse.att.com (Bob Parnass, AJ9S)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Introduction to Scanning
Keywords: scanner radio, frequencies, where to buy, clubs
Message-ID: <1991Jan9.181456.9112@cbnewse.att.com>
Date: 9 Jan 91 18:14:56 GMT
Followup-To: rec.radio.shortwave
Organization: AT&T Bell Laboratories, Naperville, IL
Lines: 343

Xref: gmdzi rec.radio.shortwave:3388 rec.ham-radio:19039

NOTE: Although scanning is usually discussed in rec.radio.shortwave, there have been several scanner related questions in rec.ham-radio lately so I'm posting this article to both groups this month.

Introduction to Scanning

by Bob Parnass, AJ9S

This introduction is intended for people new to the scanning hobby. It tells where you can buy your first scanner, what features it should have, how to get frequency information, and mentions a few scanner clubs worth joining.

Why Scanning?

Every day and night, scanner hobbyists are entertained by what they overhear on their radios. Police cars, fire engines, ambulances, armored cars, trains, taxis, airplanes, and buses are all equipped with radios and you can listen to them. You can monitor the local sheriff and fire departments to hear about events "as they happen," before the news reporters hear about them. Hostage dramas, bank robberies, car crashes, chemical spills, tornado sightings are all fair game. In a single afternoon, you can hear a high speed police chase, Drug Enforcement agents on a sting operation, and undercover FBI agents as they stakeout a suspect.

How about listening to a presidential candidate discuss strategy with his advisor from a 415 MHz radiophone in Air Force 1, or a team of G-men protect him while transmitting in the 167 MHz range?

Listen to your neighbors deal drugs over their cordless telephone, or as their conversations are picked up and transmitted over the airwaves by their sensitive baby monitor intercom. Yes, it's legal to listen, and it's all there in the 46 and 49 MHz ranges.

Stay ahead of road conditions by listening to highway road crews, snow plows, and traffic helicopter pilots.

Take your scanner to sporting events and listen to race car drivers, football coaches, etc., in the 151, 154, and 468 MHz ranges.

Listen to airline pilots as they talk with air traffic controllers and their companies between 108 and 137 Mhz.

Monitor the everyday hustle and bustle of businesses, from cable TV repair crews tracking down pirate descrambler boxes, to security guards at your nuclear power plant or mall security guards chasing a shoplifter.

You can even listen to the order taker's wireless microphone at the local McDonald's restaurant on 154.6 and 35.02 MHz!

Is Scanning Legal?

In the United States, scanning from your home or at work is perfectly legal in most situations. The Electronic Communications Privacy Act of 1986 made it illegal to listen to mobile phones, and a few other types of communication, but many scanners cover these frequencies, and it's clear that Americans still listen to whatever they want in the privacy of their own homes despite the ECPA.

Speaking of privacy, federal law also requires you to keep what you hear to yourself and not use the information you hear on your scanner for personal gain.

Be aware that California, Florida, Indiana, Kentucky, Michigan, Minnesota, Nebraska, New Jersey, New York, North Dakota, Oklahoma, South Dakota, Tennessee, and Vermont have laws pertaining to scanning while in your car. Indiana restricts some portable scanners. You can find out about these restrictions in a 39 page paperback, ANARC Guide to U. S. Monitoring Laws, compiled by Frank Terranella, available for $7.50 from ANARC Publications, P.O. Box 462, Northfield, MN 55057.

What Scanner Should I Buy?

Radio Shack, Uniden (Bearcat and Regency brands), and Cobra offer a wide choice of scanners. Personally, I don't recommend AOR brand scanners.

Scanners are available in two varieties: crystal controlled and programmable. The crystal controlled models are cheaper, but require the user purchase and install a $5 crystal for each frequency of interest. Programmable (synthesized) units don't require crystals and usually have a keypad that permits you to store frequencies into channels. Programmables are now so cheap it doesn't make sense to buy a crystal unit as your main scanner unless you get it for under $45 or so.

You can get a battery operated hand held scanner, a bigger "base" scanner which is powered from an AC outlet, or a mobile scanner which connects to your auto's electrical system.

Make sure your first scanner:

1. has a "search" feature, which allows it to search all the frequencies between two frequency limits of your choosing. The lowest cost programmables can't search.
2. covers the 800 MHz band unless you live in a very rural area where this band is not used. Usage of the 800 MHz band is growing by leaps and bounds.

If you're not sure whether you'll like scanning, don't want to spend much money, a 16 channel radio will do. In general, the more channels and banks, the better.

Deluxe scanners can be controlled by a personal computer, although this feature isn't important to most scanner owners.

Currently, the more popular scanners include the Uniden/Bearcat 760XLT (a/k/a 950XLT) and Radio Shack PRO-2004 and PRO-2005 base/mobiles, and the Uniden/Bearcat 200XLT (a/k/a 205XLT) and Radio Shack PRO-34 portables.

All scanners come with a built in antenna, permitting reception up to about 20 miles or so. Outdoor antennas can extend reliable reception to 100 miles or more.

Where Can I Buy A Scanner?

Almost every community has at least one Radio Shack store, and you can find scanners there. Discount chain stores like Service Merchandise, McDade, or Bell sell scanners, but carry just a few models. Department stores, like Sears and Montgomery Wards, sometimes offer scanners, although at high prices.

The best deals on new scanners are from reputable mail order firms like Grove Enterprises (Brasstown, NC), Scanner World (Albany, NY), or National Tower Company (Shawnee Mission, KS). Many ham radio dealers, like Amateur Electronics Supply (Milwaukee, WI), also sell scanners. See the shortwave "welcome" article for the addresses of other scanner suppliers.

Used scanners may be found at hamfests, flea markets, or listed in the classified advertisement section of your newspaper.

Where Can I Obtain Frequency Information?

To avoid chaos, the FCC licenses two-way radio users and assigns them specific frequencies. Groups of frequencies are allocated to specific types of users, so you won't usually find fire departments using the same frequencies as taxi drivers, for example.

Scanner enthusiasts can obtain frequency information from several sources, including books, government microfiche records, or other listeners.

Books: The most convenient source of fire, police, and local government frequencies is the Police Call Radio Guide, published each year in 9 regional volumes by Hollins Radio Data, and sold at Radio Shack and larger book stores for about $7.

I also recommend Richard Prelinger's 1985 book, Monitor America, published by SMB Publishing, and available from Grove Enterprises for about $15. Although somewhat out of date, this single edition contains 582 pages of police, fire, local government, news media, sports, national park, and commercial broadcast frequencies for all 50 states. It contains detailed communications system profiles and precinct maps for major metropolitan areas. Police and fire radio codes and unit identifiers unique to local agencies are listed for several cities. This differs from Police Call, which gives a more sterile, but uniform treatment of licensees, listing even the smallest of towns.

Uniden has published several regional directories using the "Betty Bearcat" name, although there are much better directories available from Scanner Master (Newton Highlands, MA) for some regions.

The most readily available source of sensitive US government frequencies is still Tom Kneitel's 168 page Top Secret Registry of US Government Radio Frequencies. Published by CRB Research, the 6th edition is available from Grove Enterpises for about $19. Kneitel's book contains frequency listings for NASA, military, FBI, Secret Service, DEA, IRS, Border Patrol, arsenals, ammunition plants, missile sites, and others in the 25 to 470 MHz range.

Magazines: Although national in circulation, local frequency information is sometimes available in Grove's Monitoring Times and Kneitel's sensationalistic Popular Communications. The best frequency lists are often found in club publications, discussed later.

Government Records: Every year, the US Government sells FCC license information, in the form of microfiche, floppy disk, and magnetic tape, to the public through the US Department of Commerce National Technical Information Service (NTIS). The high cost of buying government records limits their appeal to hardcore enthusiasts. You can write for a catalog of FCC Master Frequency Database items to the NTIS, 5285 Port Royal Road, Springfield, VA 22161.

Do Your Own Frequency Detective Work

When you try listening to a frequency for the first time, you'll want to know who you're hearing.

Although FCC rules require radio users to identify their operations with their assigned call letters, most ignore the regulation. This often makes it difficult to know who is transmitting.

There is a challenge in deriving new spectrum usage information on your own. Sometimes it requires several days of listening, taping, and compiling fragments of information. Other times, the frequency information is there for the taking - without hassle.

You can approach from two directions:

1. Listen first: Monitor a frequency or frequencies, and try to determine who's transmitting and what purpose the channel serves. Once you identify the user, log the information.

2. Compile first: Take advantage of opportunities, such as examining the frequency label on a guard's radio, or reading the FCC license hanging on the "radio room" wall, to compile frequency lists, then monitor the listed frequencies to confirm that they are really in use. Readers are urged to abide by the rules of good taste and local laws in the quest for frequency information. Don't trespass, wait for an invitation.

Most listeners use a combination of both approaches.

You can examine the FCC license on premise. I have found the actual FCC radio license, complete with frequency assignments, hanging on the walls of places like the mall security office or company guard shack. You can examine the labels on radio equipment. Frequency information is engraved on labels on the back of many walkie-talkies, or inside the battery compartment, like in the Motorola HT220 model. Most pagers have labels on the bottom or inside. Like passwords taped onto terminals, it's not uncommon to find Dymo tape labels embossed with frequencies or call letters glued to the front of base stations.

You can make your own opportunities for eyeing the equipment or take advantage of "open house" events. If information is displayed publicly, then a reasonable person could assume it's not government secret. Hobbyists are urged to exercise a modicum of restraint and good judgement, however.

How Can I Use Equipment to Uncover New Frequencies?

If you don't know the exact frequency, but have a general idea of the range (e.g. 150 - 152 MHz), use your scanner's "search" mode. Most programmable scanners afford the ability to search between two frequency limits set by the user. Three models, the ICOM R7000, Bearcat 250, and Regency K500, have the ability to automatically store active frequencies found during an unattended search operation.

To find the frequency of a hotel communications system, one fellow installed his Bearcat 250 in his car and parked in the hotel lot, leaving the scanner in the "search and store" mode. He left the antenna disconnected so the scanner would only respond to a transmitter in the immediate vicinity.

Aside from a scanner and antenna, the most useful piece of equipment for sleuthing is a voice actuated (VOX) cassette tape recorder. You don't need a high fidelity model or anything fancy, a Radio Shack CTR-75 or CTR-82 will do. It's best to use a shielded cable to feed the scanner audio into the recorder rather than relying on the recorder's internal microphone.

VOX recorders allow one to compress a whole day's worth of monitoring onto a single tape. I often leave a recorder "armed" and connected to a scanner at home while I am at the office or doing something else. When call letters are mumbled, I can play and replay the tape until I hear and understand them.

Test equipment can aid in the quest for new frequency information. I've used a spectrum analyzer connected to an outside antenna, and a frequency counter for close-in work.

Are There Any Scanner Clubs?

One of the best parts of the hobby is sharing it with other radio buffs. Trading information with other hobbyists about frequencies, communication systems, and receiving equipment is more valuable than any pile of magazines.

The world's largest scanner club is the Radio Communications Monitoring Association (RCMA). Founded in 1975, the

RCMA is the "first national and international organization of monitor radio listeners." There are several regional chapters which hold regular meetings. Club dues are $18.50 per year, which includes a monthly newsletter of about 95 pages. Although the focus is on VHF and UHF ranges, there is coverage of HF utility stations below 30 MHz. Club policy precludes printing certain sensitive federal law enforcement frequencies, e.g., Secret Service, FBI, Customs, and DEA.

Inquiries about RCMA membership should be sent to RCMA General Manager, P.O. Box 542, Silverado, CA 92676, USA.

One club which does print sensitive federal frequencies is the All Ohio Scanner Club. Its bimonthly publication, The American Scannergram, is about 60 pages long. Although concentrating on Ohio, there is frequency information from other states, and plenty of product reviews and scanning tips.

Annual dues are $15 and more information is available from All Ohio Scanner Club, 50 Villa Road, Springfield, OH 45503.

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============================================================================
Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihlpy!parnass (708)979-5414
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```
From 2749995270627428075
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f08a771a9e97b84f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 00:03:18 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!nosc!marlin!price
From: price@marlin.NOSC.MIL (James N. Price)
Newsgroups: rec.ham-radio
Subject: Re: Info wanted - licences for Caribbean/Indian Ocean islands
Message-ID: <1690@marlin.NOSC.MIL>
Date: 9 Jan 91 19:31:16 GMT
References: <1991Jan9.163327.9640@warwick.ac.uk>
Reply-To: price@marlin.nosc.mil.UUCP (James N. Price)
Organization: Naval Ocean Systems Center, San Diego
Lines: 18
```

In article <1991Jan9.163327.9640@warwick.ac.uk> esrlb@warwick.ac.uk (Mr S Browne) writes:

>With the chance of a cheap air ticket for Easter time, I'm
>considering a visit to either the Caribbean(probably 8P9,J6,V2)
>or Seychelles/Mauritius.
>
>73s
>

>Simon Browne - G0GWA

Simon, contact W6YA here in San Diego County. He recently operated from Seychelles and got the call S79YA there. He also went to Mauritius, but had to be content with using a local station on a very low visibility/activity basis. Apparently you have to be a native-born citizen to even be considered for ham radio there. I think Jim can give you the details of what he could and could not do, but he's not on this net.

--Jim, K6ZH

From -4925240173030601992
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75582e601b5d4b67,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 00:07:31 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!abvax!iccgcc!macmillan
From: macmillan@iccgcc.decnet.ab.com
Newsgroups: rec.ham-radio
Subject: PRBWON - COURT ORDER#3/FINAL (most of what I spent)
Message-ID: <2739.278b025f@iccgcc.decnet.ab.com>
Date: 9 Jan 91 16:45:35 GMT
Lines: 47

FILED
91 JAN-8 PM 3:35
CLERK U.S. DISTRICT COURT
NORTHERN OHIO DISTRICT
EASTERN DIVISION

UNITED STATES DISTRICT COURT
NORTHERN DISTRICT OF OHIO
EASTERN DIVISION

```
JAMES D. MacMILLAN           )                1:87CV2820
                Plaintiff,    )
          v.                  )
CITY OF ROCKY RIVER, et al.,  )
                Defendants.   )                 JUDGMENT ENTRY
                                                --------------
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BATTISTI, C.J.

In accordance with Orders filed on September 21,1990, November 13, 1990 and January 8, 1991,

IT IS HEREBY ORDERED, ADJUDGED AND DECREED that:

(1) Defendant's motion for summary judgement is GRANTED to the extent that sec. 1333.02 and 1143.10(b) of the Codified Ordinances of the City of Rocky River are held to be facially

valid, and the Building Commissioner and members of the Board of Zoning and Building Appeals of the City of Rocky River are found to have qualified immunity from damages; (2) Plaintiff's motion is GRANTED to the extent that the process employed by the City of Rocky River in denying his application to erect an antenna is declared invalid; (3) Plaintiff's motion for an award of attorney's fees persuant to 42 U.S.C. sec. 1988 is GRANTED; and (4) attorney's fees in the amount of $14,091.05 (fourteen thousand, ninty-one dollars and five cents) are approved.

Frank J. Battisti
United States District Judge

NOTE from WA8ZHN: on the city's insurance, there is a $5,000 deductable which they must pay. The balance will come from the insurance company. There is an election this fall and this is PUBLIC RECORD. HI HI / 73 & PRBWON!

```
From 2455566360750374600
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9db0794c573ac9f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 00:46:01 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!raphael!wws
From: wws@raphael.cray.com (Walter Spector)
Newsgroups: rec.ham-radio
Subject: Ramsey kits
Message-ID: <142708.22800@timbuk.cray.com>
Date: 9 Jan 91 20:31:12 GMT
References: <NELSON.91Jan8160136@sun.soe.clarkson.edu>
<10076@pasteur.Berkeley.EDU>
Reply-To: wws@raphael.cray.com (Walter Spector)
Organization: Cray Research, Inc.
Lines: 19
```

> They make a variety of UHF/VHF kits, including transverters. I have

Speaking of kits, when I was at the 'Q'* the other day they had some neat little kits made by Ramsey Electronics for $25-$35 each. Has anyone tried building these things? They had a bunch of QRP transmitters, keyers, and receivers and people were buying them almost as fast as the guys could stock the
shelves! (This was right before Xmas - mothers were probably buying them for their kids...) I would have bought one but they were sold out of the ones I was interested in!

No DSP kits for 30 bucks though. :-(

Walt Spector

(wws@renaissance.cray.com)
Sunnyvale, California
_·_ _·_ _···· _· ·_·

* = Quement Electronics (i.e., the Bascom Bandit) in San Jose.

From -2745288706411861139
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cecb002c1107cdc5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 01:38:32 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!bionet!agate!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: AOR AR1000 Reviewed.
Message-ID: <10.Jan.91.09:39:41.GMT.#9391@UK.AC.NWL.IA>
Date: 10 Jan 91 09:38:32 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 151

AOR AR1000

PORTABLE SCANNING RECEIVER

Introduction.

This is a review of the AOR AR1000 portable scanner (which is similar, if not identical to, the Fairmate HP100E). Comments and opinions in this review are those of the author.

Description.

The AR1000 is a small hand-held scanner covering the frequency range 8 to 600MHz and 805-1300MHz in two bands. Reception modes are AM, FM and WFM, selectable independently of the receive frequency. Scanning steps can be programmed from 5 to 995KHz in 5 or 12.5KHz steps.
10 banks of memory are provided, each with 100 locations.
Power is supplied either from four internal 'AA' cells (Nicads are supplied) or external 11-15V DC supply.

In Use.

As supplied the AR1000 comes with each bank of channels pre-programmed, this being as follows:

BANK	USE	RANGE	STEP	MODE
1	VHF Air	118-138MHz	25KHz	AM
2	UHF Air	225-400MHz	50KHz	AM
3	PMR LO (*)	71-87MHz	12.5	AM
4	PMR HI	165-174MHz	12.5	NFM
5	BAND3 (*)	174.5-225MHz	12.5	NFM
6	MARINE	156-163MHz	25KHz	NFM
7	HAM VHF	144-146MHz	12.5	NFM
8	HAM UHF	433-435MHz	25KHz	NFM
9	C-MOBILE	890-905MHz	12.5	NFM
0	C-BASE	935-950MHz	12.5	NFM

(*) note that in Europe, 71-87MHz is used for private mobile radio and 174-225MHz is for trunked mobile radio services.

Each bank can be scanned separately, or in groups (so, for example,, you can limit scanning to banks 1 and 2 when you are at an airshow, or banks 7 and 8 when at a ham meet). Lockout is available to prevent the scanner halting on certain frequencies - note that this is not an automatic 'skip blank carriers' mode liks certain other scanners, instead you have to let it stop on a blank carrier and then hit the LOCKOUT button so it does not stop on that frequency next time round).
Up to 100 lockouts can be set per bank.

It is possible to reprogram the bank limits if you do not like what is supplied, although the front panel comes engraved with the designations given above...

In search mode, the speed is approx. 35 steps/second. Frequencies found in search mode can be stored in the relevant memory location by pressing ENTER followed by the (3-digit) memory location you want to store to. Note that there is no way to store a frequency you have found in 'the next free memory location'.

When scanning memorised channels, the rate is approx. 18 channels per second.

When searching, the direction of search can be altered by using the UP/DOWN keys (default is to search from low frequency to high but this can be reversed). There is a knob on top of the radio which can be used to search manually; this is very useful for fine-tuning (for example if searching with the radio set to 5KHz steps it will often stop off frequency when it detects a strong signal - the knob can be used to accurately centre the tuning).
Knob-operation is also possible to step through memory channels in either direction.
When stepping through memory chanels, pressing the MANUAL key then allows you to step up or down either side of the memorised frequency in whatever increments you choose. You can also change modes when in MANUAL mode.

Any memory channel can be allocated as a priority frequency, which is sampled every 2 seconds.

Practical Use

In practice, the RX is extremely sensitive - it receives fully quieting signals from a cellular base-station over 2 miles away *without an antenna*. Using an external dual-5/8 collinear for 2 meters does result in slight intermodulation (this is to be expected - i am line of sight to a paging TX and a FM broadcast mast) but the manufacturers have conveniently fitted a 20dB attenuator, invoked by pressing a button, which removes the problem. I can use this receiver in RF-hostile environments with little or no desensitisation; it is superb in comparison with the Icom IC-R1 which desensed with just a 1/4-wave whip.... I can even use the AR1000 with its supplied 'stubby' rubber antenna to listen to local FM broadcast stations whilst working 2-meter packet, with no ill effects. Its *usable* sensitivity is far better than the IC-R1 in a practical sort of world. I do not have a lab to test 'ultimate' sensitivity but in comparison with a borrowed TH77E, the AR1000 stood up well - it could hear anything the '77 could.

Clearly, front-end filtering *CAN* be made tight without sacrificing sensitivity or frequency coverage.

Adjacent-channel selectivity is good, bearing in mind the amount of 12.5KHz channelling in use. Only on a couple of occasions has there been any adjacent-channel interference noted.

Now to the bad points.... the 'If only's. You knew it couldnt ALL be good!!!

Controls - well, the 'keyboard lock' is done through a key that has a raised lip round it to prevent it being pressed accidentally. If you are wearing gloves, it is impossible to press!
Secondly, there is a display illumination key - when pressed, you get 7 seconds of display light... not long enough to enter a frequency!
The display light is just that - a display light. In the dark you have to guess which keys are which, using touch.
Holding the 'display light' key down doesnt achieve anything, as the light still goes out after 7 seconds. If you are trying to enter a frequency in the dark, wearing gloves, you have problems. I would prefer the 'keyboard lock' and 'display light' functions to be done via small slide-switches, like on my old Regency.
Thirdly, power & batteries. The Nicads last about 4 hours with reasonable audio volume. No, its not 'nicad memory' thats getting me, as i have tried several sets of cells. If the radio had been made bigger, and used 'C' cells rather than 'AA' then it would have been better....
The external power jack is on the side of the radio, making the use of a 'drop in' charger impossible. Easy recharging in a mobile environment is therefore not possible.
Now if only the manufacturers had seen fit to install contact studs on the base of the radio.......

Finally, the last real gripe; when operating on the HF bands, it is usually impossible to tune a broadcast station accurately when you only have 5KHz steps available. a 1KHz or 0.5KHz step size would make life so much nicer.

Conclusions
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Overall, I like it! The resistance to spurious intermodulation effects and superb sensitivity make up for the minor niggles regarding the keypad and illumination/lock controls. Now if they only made it take bigger nicads, designed a 'drop-in' charge facility, and gave it 0.5KHz scanner steps, it would be ideal.

Pete Lucas PJML@UK.AC.NWL.IA G6WBJ@GB7SDN.GBR.EU

From -1249224347731902793
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 01:47:14 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!uakari.primate.wisc.edu!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <15511@crdgw1.crd.ge.com>
Date: 9 Jan 91 21:00:58 GMT
References: <19917.799.7009@canrem.uucp> <1991Jan8.154536.29053@midway.uchicago.edu> <20406@netcom.UUCP>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 11
In-reply-to: edg@netcom.UUCP (Edward Greenberg)

In article <20406@netcom.UUCP>, edg@netcom (Edward Greenberg) writes:
>>How about special lanes on the interstates for people who build their
>>own cars?

>A fine idea when and if roads are provided by the govt for use only by
>hobbyist drivers for non-transportation driving only.

Not provided by the govt, but don't they call these "racetracks"?

-don perley
perley@trub.crd.ge.com

From 2076600115494014026
X-Google-Language: ENGLISH,ASCII-7-bit
~~~~~~~~~~~

X-Google-Thread: 10c9e3,45463536d314aad8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 02:36:59 PST
Path: gmdzi!unido!mcsun!uunet!midway!ellis.uchicago.edu!gary
From: gary@ellis.uchicago.edu (gary buchholz)
Newsgroups: rec.ham-radio
Subject: My Review of the RF Concepts 2/70G HT Linear w/preamp
Message-ID: <1991Jan10.103659.22128@midway.uchicago.edu>
Date: 10 Jan 91 10:36:59 GMT
Sender: news@midway.uchicago.edu (News Administrator)
Organization: University of Chicago
Lines: 110

Just bought a RF Concepts 2/70G (2m/440 MHz w/preamp) linear for my HT (ICOM 24AT) so I thought I'd write a few words about it.

So what is there to say. If you have a 24AT HT you know that this baby really "cooks" running full power on 13.8v. In fact, I'm looking forward to using this as a hand warmer when it *really* gets cold here in Chicago. And, it is a good "timer" to disuade rambling QSOs that might otherwise be deemed monologues.

Seriously, the 24AT just can't effectively sink the heat generated by the 5+ watts of output on 13.8v. Also, I wanted to get a bit higher power for my car and getting the dual-band linear was cheaper than buying a dual-band mobile rig.

The power out is pretty much as expected. (Although my 24AT does seem a bit "low" on 440 MHz). Here are the results running the 24AT and linear into a dummy load.

2 meters

24AT power setting	24AT (Watts)	w/linear (Watts)
low1	.4	4.5
low2	1.5	15.0
low3	3.8	22.0
high	6.0	28.0

440 Mhz

low1	.2	2.6
low2	.7	6.5
low3	1.8	6.8
high	2.9	11.0

There are two models of the RF Concepts dual-band HT linear. One with, and the other without the preamp. The cost difference is about $20. I went for the preamp.

Amazingly, the preamp makes quite a bit of difference. In fact, its about a 2 to 3 S-unit difference. And, scanning with the preamp brings in stations that I couldn't even hear before.

Now For the Bad News......

SWR Protection

The user guide makes a big deal about high SWR and having the proper type of antenna attached. The "other" RF Concepts linears have high SWR stutdown protection. This unit seems not to have implemented high SWR protection to the extent that the higher power RF Concepts linears have (such as the 170 Watt 2m unit). When the user manual makes that big of a deal about warning about high SWR - it scares me. Why not just spend the extra $$ to implement good SWR protection than fry the linear ? Accidents do happen - shorted coax or whatever.

Transmit Power Degradation

You can use your HT hooked into the linear with the linear power amp switched "off". (Pre-amp and linear are independent). In this case the signal is routed through the linears switching relays (mechanical) and out through the antenna jack. My initial measurements show that you may loose as much as 30% of your signal. Worst was 440 MHz band where I measured 2.9 watts out from the HT into a dummy load, and 2.0 watts out into a dummy load when routed through the linear powered down.

Receive Signal Strength Degradation

Insertion loss is about 1 S-unit on receive with the pre-amp switched off.

Conclusions

Power out on 2m is expected. My power out on the 24AT seems a bit low but I have no doubt that the RFC 2/70G would put out the rated power on 440Mhz if I had sufficient drive. (440 Mhz 5W in / 20W out; 2m 5W in / 30W out)

Insertion loss is a bit much both on transmit and receive with the linear and/or preamp turned off. But, why would anyone want NOT want to run the linear ? ... especially with the large number of power levels available on the 24AT. The preamp is another matter. In the city, the preamp will pull in alot of stray signals and intermod. For stations that you can already hear the 2-3 S-unit difference won't make any difference. But, as I mentioned, that 2-3 S-unit difference does make a big difference for stations that you can't hear at all - now. You probably won't be able to talk (transmit) to these people... but if you're into monitoring.. then you're all set.

The warranty is confusing. The AES catalog says 5 yrs and 6 mo on the RF transistors. The label on the box that the linear came in says 1 yr / 6 mo. And, the user manual had the entire page that discussed the warranty and return policy "crossed-out". I called Kantronics and in fact it is a 5yr/6mo warranty.

You get a schematic (always good for prying fingers) and a 2 page mini-lesson on RF amplifier design. If you want to mess with the RF peak detector, resistor divider and comparator circuit that trips the transmit relay on other than the factory set .4W then you'll find that the technical writer has not forgotten you.

All in all, I'm satisfied. I now have mobile-rig level power from my ICOM 24AT at 1/2 the price that a dual-band mobile rig would cost. And, I can now also carry on a QSO using my 24AT in low power without it suffering thermal meltdown or me suffering 3rd degree burns.

RF Concepts (Kantronics) 2/70G dual-band HT linear w/preamp - $239
from AES in Milwauke.

Gary
--
Gary Buchholz / KE9ZM   Internet: gary@midway.uchicago.edu
University of Chicago   Packet: KE9ZM@WB9MJN
Academic and Public Computing
1155 East 60'th St., Chicago, Ill.   (312) 702-7611

From 6772557286610998448
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a16a079fcebdfda5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 02:46:34 PST
Path: gmdzi!unido!mcsun!uunet!midway!ellis.uchicago.edu!gary
From: gary@ellis.uchicago.edu (gary buchholz)
Newsgroups: rec.ham-radio
Subject: Warning for "fly-weight" Uniden HR-2600 & HR2510
Message-ID: <1991Jan10.104634.22307@midway.uchicago.edu>
Date: 10 Jan 91 10:46:34 GMT
Sender: news@midway.uchicago.edu (News Administrator)
Organization: University of Chicago
Lines: 51

Caught this on Packet... Thought those people who tweak the power on their fly-weight Unidens might want to know this.

=============== Forwarded from Packet ==
Date: 26 Dec 90 17:43
Message-ID: <150@KB3ZW>
From: KB3ZW@KB3ZW
To: ALL@USA
Subject: UNIDEN HR-2600 **WARNING**
Path:
AF9M!WV9O!NQ9Q!KD9LP!N9BAC!KB8NH!KD8JR!N8ET!WB8LYF!N8FIS!WB8JUI!NO8M!WA8BXN!WB8B
II!KA8Z!KC8JN!NO3M!KA3NVP!W3KDC!W3YA!K3R
LI!KB3ZW

Greetings from KB3ZW... If you have an HR-2600 or for that matter an HR-2510, you might better think twice.   The fact of the matter is if you increase the FM power to 50 watts using the CW power pot, and or the AM power to 50 watts, you might want to plan on replacing C17 on the output circuit.   If the power on FM, and AM is increased to approx. 40 watts, the capacitor will blow in about 30 seconds. I think the capacitors are under rated. I replaced it with a 15pf 15kv cap, and observed that the toriods on the final output generate a lot of heat.. DO NOT believe the SWR meter on the rig is not accurate. I noticed when the SWR is actually 3 to 1, the meter only reads 1.5 to 1.

If you want to crank up the power, it would be better to leave the power level on FM, and AM, about 20 watts and no more. Although the heatsink can effectively dissipate heat generated by 20 watts, I would suggest one of those 12 volt fans that can be purchased at Radio Shack, if you plan on going any higher on the power output.

I put the 2600 on a spectrun analyzer after I replaced the cap, and found a clean output. I took a chance on cranking the FM power up to 50 watts, and found that when the outputs start getting hot, the output starts to get a little dirty, and the rig starts to draw current gradually. The specs on the final output show that the device is only rated at 40 watts. If you want more power on the HR, get an amp, and don't find out the hard way.

Any additional input, is greatly appreciated. And by the way, cranking up the SSB power seems to be ok.....

Ta-Ta for now,
73's John. KB3ZW

================ end of mgs forwarded from Packet ============================

Gary

--
Gary Buchholz / KE9ZM   Internet: gary@midway.uchicago.edu
University of Chicago   Packet: KE9ZM@WB9MJN
Academic and Public Computing
1155 East 60'th St., Chicago, Ill.   (312) 702-7611

From -7464122241308513793
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d96661bcec50cbd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 03:40:08 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!att!pacbell.com!ucsd!ucbvax!dgc.ceo!Pete_Simpson
From: Pete_Simpson@dgc.ceo
Newsgroups: rec.ham-radio
Subject: Kenwood SM-220 Monitor Scope
Message-ID: <9101101140.AA00037@rtp40.dg.com>
Date: 10 Jan 91 11:40:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12

Anyone out there have one of these things? It's the optional waveform monitor scope for the Kenwood TS-940 and TS-440 HF radios. I've got a chance to pick one up for a considerable discount (almost 50% off the

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$550 list) and I'm looking for advice and comments. BTW, the one I'm
being offered includes the BS-8 panadaptor module.
Thanks & 73,
=================================
Peter Simpson, KA1AXY
Data General Corp M/S E132
Westboro, MA 01580
(508) 870-9837
Pete_Simpson@MERCURY.MCEO.DG.COM


From 6352536437803369482
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,528b764f2711a0a3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 05:10:08 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!att!pacbell.com!ucsd!ucbvax!ibma.nerc-
wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House,
Swindon")
Newsgroups: rec.ham-radio
Subject: Homebrewing.
Message-ID: <10.Jan.91.13:19:37.GMT.#9701@UK.AC.NWL.IA>
Date: 10 Jan 91 13:10:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 31

Homebrewing can be much cheaper if you use 'salvage' techniques! Never throw
anything away - it will always come in useful. Hanging around your local
mobile-radio dealer will probably get you a few strange looks, but may also
get you some ancient-but-usable high-band mobile rigs for next to nothing -
these are an excellent source of PA transistors, filters, amplifiers etc,
or you may be able to rebuild several such radios into one working rig.
Do not despise tube stuff! The old GE, Motorola etc. radios were built to
take some pounding, and even the filthiest ones often come up clean after
a cycle in the dishwasher(!) followed by gentle drying (borrow the XYL's
hair-drier?) and theres plenty of room to add your own flavour to the chassis
on top of whatever the maker originally intended.
If you are into HF, try digging out sixties-style tube CB sets - these are
infinitely more understandable than solid-state synthesized equivalents,
and have plenty of space under the chassis for your own creative urges to
be fulfilled. AM CB sets can usually be phase-modulated with a varicap
diode (or a tube reactance-modulator) across the crystals, and being tube
based, will not expire if you forget to connect the antenna.
Add a 'Class C' PA made from an ex-TV sweep-tube, and you have a reasonable
10-meter FM/CW rig that can run nearly 100 watts....
Old tube broadcast-radios from garage sales can be converted to 160-meter AM
transmitters particularly if you get a 'deluxe' model (convert one of the push-
pull audio output tubes to a class 'C' PA, convert an IF stage to a driver
stage, feed in the l.o. signal, and use the other push-pull audio tube
and the output transformer as an AM modulator - typically you will get
10 watts of RF from a tube such as a 6V6 or 6BW6. Put a key in the PA
```

cathode, and you have a 160M CW transmitter).
And of course, nobody ever BUYS an antenna(!); they make it, 'Plumbers
delight' style out of aluminium irrigation pipes, copper plumbing,
exhaust muffler clamps, scrap TV masts, old phone wire etc.

Pete Lucas PJML@UK.AC.NWL.IA G6WBJ@GB7SDN.GBR.EU

From -6586735653770018128
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3187a056f54e0bbc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 05:12:37 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
IREQ.HYDRO.QC.CA!mlefebvr
From: mlefebvr@IREQ.HYDRO.QC.CA (Marc Lefebvre, Ireq, Hydro-Quebec, QC, Canada
514-652-8554)
Newsgroups: rec.ham-radio
Subject: ham radio list
Message-ID: <9101101312.AA20851@sparc490>
Date: 10 Jan 91 13:12:37 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1

help

From 4145374890887141177
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8163a0129de4dc0e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-10 05:35:55 PST
Path: gmdzi!unido!mcsun!uunet!samsung!interlan.InterLan.COM!interlan.interlan.com!
yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <YETSKO.91Jan10083555@interlan.interlan.com>
Date: 10 Jan 91 13:35:55 GMT
References: <139@decabo.enet.dec.com> <kNeJV4w163w@phoenix.com>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 26
Xref: gmdzi rec.radio.shortwave:3406 rec.ham-radio:19097
In-reply-to: stanley@phoenix.com's message of 10 Jan 91 02:41:19 GMT

I spent 9 years with Tandy in various positions of lowlife, manager,
regional offices, even in R&D. I can't tell you what CURRENT policy is
but I can tell you what it has been in the past.

Radio Shack policy is not to force individuals to give name and address. It is to be POLITELY REQUESTED, and if the customer refused, the sales person was SUPPOSED to write refused on the ticket. This obviously was before they installed the custom 1000 units as point of sale machines. Stores do NOT get paid for names and addresses, employees do NOT get paid for names and addresses. HOWEVER, a fixed percentage of store sales goes for flyers, REGARDLESS of how many are actually mailed from Ft Worth. This means managers are pressed to get as many as possible to get the highest return on their advertising dollar.

Employees ARE rated on their percentage of names and addresses, or were with the written tickets. And while they weren't paid, it wasn't uncommon for District Managers to have 'contest' for this, giving small items for the highest each month, and maybe stuff like a reveiver or even a computer for the highest for the year.

With the advent of the point of sale system, control is taken from the sales employee, but I bet there is a 'procedure' to say refused, but I'll also bet thatnot 1 in 10 employees know how to do it at the terminal.

Mike Yetsko
Ex-Tandy

```
From -1371952186965701379
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,104d82c82da6fb5a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 05:55:00 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
ULKYVX.BITNET!MEHARP01
From: MEHARP01@ULKYVX.BITNET (Michael Harpe)
Newsgroups: rec.ham-radio
Subject: WEFAX question and comments
Message-ID: <D81EB1CC7F9FC0305C@ulkyvx.bitnet>
Date: 10 Jan 91 13:55:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 44
```

I'm in the early stages of designing a WEFAX system for my shack. I have read Taggart's book (good info, his design is REALLY dated, more below) and have a pretty good understanding of what needs to happen in a WEFAX decoder.

Now i'm evaluating alternatives for a receiver. Scanners are out (except maybe the ICOM R9000 and with my lotto luck here lately, well....) so i'm looking at a dedicated receiver. I took Taggart's advice and got a Hamtronics catalog. I like the prices. My question is:

"Is Hamtronics stuff any good?"

Replies via personal EMAIL, summary for >5 responses.

Now, to respond to a couple of people who were asking about WEFAX decoders. IMHO, if you're going to do a lot of WEFAX, build a dedicated system. Tying up a PC to do this is kind of excessive. You can always modify the dedicated decoder to make the bitstream available serially to your computer for further processing/enhancement/storage/printing. For simple display, the scan convertor is a good idea.

My problem with Taggart's design is that, while granted it's cheap (6809's can be had for $3 from surplus places) it doesn't take advantage of some of the newer graphics chips and microcontrollers that can be had. The demodulator is really cheap to build. It just uses a couple of op-amps and an A/D converter.

I'm looking at replacing most of his CPU with a microcontroller and a CRT controller of some kind. Just add a surplus video monitor and a receiver for WEFAX decode in a standalone unit.

I noticed someone commented about using a DSP system for this. That would ideal since you could program "software" filters and maybe even do enhancement right there in the DSP chip. Unfortunately, my math background is not nearly adequate to DSP (after I complete undergrad work, i'm going to do something about that) so mine won't have that. I'd like to see a DSP-based WEFAX decoder if someone does do one.

I think a WEFAX decoder is a great homebrew project. The project is complex enough to be challenging and yet can be done with fairly modest components and equipment. Taggart's book is required reading for this project.

I look forward to comments from the net.

Mike Harpe, N4PLE
University of Louisville

From -4249856396825859350
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9db0794c573ac9f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 05:56:25 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!cunews!dgbt!barry
From: barry@dgbt.doc.ca (Barry McLarnon DGBT/DIP)
Newsgroups: rec.ham-radio
Subject: Re: Transverter sources (Microwave Modules?)
Message-ID: <1991Jan10.135625.23237@dgbt.doc.ca>
Date: 10 Jan 91 13:56:25 GMT
References: <10076@pasteur.Berkeley.EDU>
Organization: The Communications Research Centre, Ottawa, Canada
Lines: 30

From article <10076@pasteur.Berkeley.EDU>, by phil@east.Berkeley.EDU (Phil Lapsley):
> Try:
>

> Transverters Unlimited
> Box 6286, Station A
> Toronto, Ontario M5W 1P3
> Canada
> ATTN: Hans Peters
>
> They make a variety of UHF/VHF kits, including transverters. I have
> a set of their 900 MHz transverters for a pair of 'DSY modems I'm
> working on, but I haven't had time to get them running yet. They
> import their goods from SSB Electronics in Germany, and as a result,
> the instructions are in German with an English translation! The
> kits are complete, but Heathkit it ain't.

This info is a bit out of date, I'm afraid. I believe that Hans has shut down this operation (which was a one-man shop). However, a company called Sinclabs (associated with Sinclair Radio, a manufacturer of commercial antennas, duplexers, etc) is now marketing a line of transverters based on Hans' design. So far they only have 28/144 and 28/220 models, with a 70 cm unit coming soon. I don't have the address handy right now, but they've had ads in most of the recent ham mags.

Barry VE3JF

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--
| Barry McLarnon     Communications Research Center, Ottawa, ON, Canada |
| Internet: barry@dgbt.doc.ca                                |
| Packet BBS: VE3JF@VE3JF        AMPRnet: barry@bbs.ve3jf [44.135.96.6] |
```

From 2503287173404876434
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d96661bcec50cbd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 05:57:30 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!bu.edu!att!cbnewse!parnass
From: parnass@cbnewse.att.com (Bob Parnass, AJ9S)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood SM-220 Monitor Scope
Summary: Kenwood SM220 = panadaptor for the Icom R-7000
Message-ID: <1991Jan10.135730.6985@cbnewse.att.com>
Date: 10 Jan 91 13:57:30 GMT
References: <9101101140.AA00037@rtp40.dg.com>
Organization: AT&T Bell Laboratories, Naperville, IL
Lines: 236

In article <9101101140.AA00037@rtp40.dg.com>, Pete_Simpson@dgc.ceo writes:
> Anyone out there have one of these things?... I've got a
> chance to pick one up for a considerable discount ....
> [it's] being offered includes the BS-8 panadaptor module.

Here is a reprint of an article I posted a few years ago:

A LOW COST PANADAPTOR
FOR THE R-7000

by Bob Parnass, AJ9S

A panadaptor, or spectrum display, is a device which portrays visually the signals in a part of the radio spectrum. Panadaptors allow radio listeners to "see" activity on a portion of band without requiring the listener to tune the receiver.

They are useful for detecting the presence of spread spectrum signals or "hidden" signals riding on a subcarrier of a main channel. Panadaptors are invaluable for detecting spurious emissions from transmitters, and unwanted products caused when 2 or more signals mix.

Panadaptors most often employ a cathode ray tube (CRT) for the display, and must be connected to the intermediate frequency (IF) amplifier stage of a receiver, at a point before filtering takes place.

The ICOM R-7000 2-2000 MHz receiver rear panel has a phono jack for wide band 10.7 MHz IF output. A DC voltage is also present at this connector and is used to power an ICOM TV accessory.

I've seen mention of 3 panadaptors for the R7000:

1. John Biro's article on retuning a Yaesu YO901 Multiscope panadaptor for 10.7 MHz, restricted bandwidth use. Selectable bandwidths of 20, 100, or 200 KHz are available.

2. The Sherwood Communications SCA-7000 signal monitor, priced at $1600, and reviewed in May 1987 "Monitoring Times".1 Bandwidth adjustable from 1 KHz - 1 MHz.

3. The Spectra-Display, priced at $350, which requires use of an external scope.2 Bandwidth adjustable from 200 KHz - 10 MHz. Optional preamplifier required for 12 MHz wide sweep.

In the past month, several Kenwood SM-220 monitor scope/panadaptors have appeared at hamfests selling in the $200 to $250 range. The Kenwood SM-220 can display transmitted or received signals. To add spectral display capability to the SM-220, one must purchase the optional BS-5 or BS-8 module, which consist of a printed circuit board, a steel enclosure, interconnecting cables, and a new graticule. The panadaptor module mounts inside the SM-220 cabinet.

The BS-5 is used with the TS520 and TS530 transceivers, which have an IF of 3.395 MHz. The BS-8 is used with the TS820 and TS830 transceivers, which have an IF of 8.830 MHz. Since the IF of the ICOM R7000 is 10.7 MHz, one must alter the panadaptor circuitry to accept 10.7 MHz input.

If you have any choice in the matter, get the BS-8, as it requires fewer changes than the BS-5, and may even require no changes at all!

The panadaptor module circuit consists of several stages, but only two are directly related to the IF frequency:

1. A crystal oscillator is used as a marker generator.

2. A voltage tuned oscillator is swept across the IF of the receiver, and employs a varicap diode, an inductor and capacitors.

The marker generator is not vital for panadaptor operation. It merely provides a single "pip" that one may use to center the display on the CRT screen, and is similar in purpose to the crystal calibrator in older receivers.

The marker generator circuits in the BS-5 and BS-8 are identical except for one crystal. One need only replace the 3.395 MHz crystal (in the BS-5), or 8.830 MHz crystal (in the BS-8) with a 10.7 MHz crystal to adapt the SM-220 marker to 10.7 MHz IF. I did not alter this stage, although I would if I had a 10.7 MHz crystal handy.

The voltage tuned oscillator is the stage that deserves our attention. The changes required depend on whether you have the BS-5 or BS-8 panadaptor module.

Changes for BS-5 Module

Change the following capacitors:

1. C231 from 1000 pf to 68 pf.

2. C232 from .01 uf to 1000 pf. (You can use the capacitor which used to be C231.)

3. C234 from 100 pf to 22 pf.

4. C236 from 47 pf to 22 pf.

5. C237 from 680 pf to 100 pf. (You can use the capacitor which used to be C234.)

Solder a 10 microhenry inductor in parallel with L204, a 20 microhenry inductor.

Changes for BS-8 Module

I haven't tried the BS-8 module, but encourage you to try using it as is, without modification unless necessary.

These steps are needed only if you cannot find settings of the side mounted aligment controls that get the display to behave as specified in the owner's manual:

1. Remove C233, the 33 pf disc capacitor, from the printed circuit board.

2. Replace coil L204, the 4.7 microhenry inductor, with a 6 or 7 microhenry inductor.

Alignment

Follow the alignment procedure in the SM-220 owner's manual to adjust the panadaptor. This consists of adjusting 2 potentiometers and 1 trimmer capacitor through holes thoughtfully provided in the side of the cabinet.

The alignment instructions rely on the use of the internal Marker Generator to generate a signal at the center of the passband. If you haven't converted the Marker Generator circuit, you can tune your receiver to a frequency with a signal present at a known frequency (like 162.550 MHz - the National Weather Service), and use that as a frequency standard.

Most of the time spent in aligment will be in alternate adjustments between the trimmer capacitor and the wide band sweep potentiometer, which interact with each other.

Wider Bandwidth

The SCAN WIDTH switch on the stock SM-220 can be set to display a 40 KHz or a 200 KHz wide picture. I adjusted my modified SM-220 to display a 100 KHz or a 500 KHz wide picture. By adjusting the controls on the side of the SM-220, wider bandwidths are possible, but wider bandwidths make it more difficult to resolve individual signals close to each other in frequency. As the bandwidth gets wider, the horizontal sweep loses linearity, causing the graticule calibration lines to be inaccurate.

Connection to R-7000

As mentioned earlier, a DC voltage is present at the R-7000 IF output connector and is used to power an ICOM TV accessory. A direct connection between the R-7000 IF output connector and SM-220 would damage at least one of these units.

To block the DC voltage, a 0.1 microfarad capacitor was soldered inside the R-7000, between the IF output jack and the adjacent jack labeled "spare". Connection between the R-7000 and SM-220 is then made using a short length of RG-58/U coaxial cable, with one end plugged into the R-7000 "spare" jack, and the other end plugged into the rear of the SM-220.

This leaves the original IF output jack undisturbed so it can be used with the TV adaptor accessory.

Vertical Sensitivity

When I connected my modified SM-220 to my R7000, the SM-220 would display only the strongest of signals. To improve the display sensitivity, I inserted a 20 dB gain RF amplifier between the R7000 and SM-220. The amplifier was a spare Ameco PLF2 FET receiver preamp, adjusted for 10.7 MHz, but other amplifiers can be used, provided they have at least a 500 KHz bandwidth, and sufficient gain, at 10.7 MHz.

False Readings - Images

The SM-220 circuit is like a superheterodyne receiver. The panadaptor itself has a 455 KHz IF, and like other superheterodyne receivers with a low IF frequency, is prone to images.

An image is manifested as a false pip, which moves across the screen as the receiver is tuned, and is 910 KHz (twice the IF) away from the actual signal.

The images discussed here are in the SM-220, not in the receiver. Images are bothersome on the strongest signals, like those 300 watt paging transmitters that saturate the county with RF, belching out out strange digital noises or voices (now illegal to monitor).

Use With Other Receivers

The modified SM-220 can be used with other receivers having a 10.7 MHz IF. In other receivers, one would need to find the proper point in the IF stage (before filtering takes place), install a connector, then wire a DC blocking capacitor between the IF stage and connector.

---

1. Sherwood Communications, 1310 Industrial Highway, Southampton, PA 19866. tel (215)357-9056.

2. Spectra-Display is sold by GTI Electronics, RD 1 Box 272, Lehighton, PA 18235. tel (717)386-4032.

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============================================================================
Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihlpy!parnass (708)979-5414
```

From -1661443819156577765
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8163a0129de4dc0e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-10 06:16:48 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!wuarchive!swbatl!ken
From: ken@swbatl.sbc.com (Ken Gianino 5-9081)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <1991Jan10.141648.18258@swbatl.sbc.com>
Date: 10 Jan 91 14:16:48 GMT
References: <139@decabo.enet.dec.com> <kNeJV4w163w@phoenix.com>
Organization: Southwestern Bell Advanced Technology Laboratory
Lines: 28
Xref: gmdzi rec.radio.shortwave:3509 rec.ham-radio:19303
Posted: Thu Jan 10 08:16:48 1991

I worked for several years at Radio Shack when I was in college, starting in the mid 70's and people were bitching about the name and address thing then too. Dont you guys like being on the RS mailing list? I do. It's nice to get the sale flyers before they hit the papers so you can visit the local RS store before they sell their entire stock of one unit. As for their new computer system, I love it. Once you get into 10 of 15 stores you never have to recite the old name and address again!

How about some reverse bashing? You know, not everyone behind a Radio Shack counter is an idiot. Of course, I guess it depends which side of the counter you're looking over. Anybody out there have an RS "Battery Club" card? Those were fantastic for placating irate customers- especially if you marked off the previous and current month and gave them 2 D-cells! And then there were the people who came in like clockwork for a free battery. It was fun to "forget" to mark off the card. You could usally tell which people would warn you of your mistake and which would slink out the door like they had just stolen the crown jewels.

I suppose none of you have ever stopped in to pick up your FREE flashlight. I always do- it's worth it just for the spare light bulb! One year (1975?) RS made the triple mistake (in St. Louis) of overprinting coupons, having an extended redemption date (12-31) AND understocking flashlights. You have never seen so many people so pi**ed off! I swear, they thought if they could force me to squat that flashlights would come popping out!

Oh well! I'll give this subject line a couple more days before it joins the KILL file.
-Ken WB0QNA

```
From -2075525910396603377
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92dcc8b3fdb03d47,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 06:18:10 PST
Path: gmdzi!unido!mcsun!uunet!sbi!zeus!pivot-nj!canada!jerrys
From: jerrys@canada.sbi.com (Jerry Simonowits)
Newsgroups: rec.ham-radio
Subject: operating in St. Thomas
Keywords: some help with contacts
Message-ID: <130@canada.sbi.com>
Date: 10 Jan 91 14:18:10 GMT
Organization: Salomon Brothers - NJ
Lines: 32
```

Hi,
sometime in the near future I will be visiting ST. Thomas in the U.S. Virgin Islands for vacation with the xyl to celebrate our 15th anniversary. I will be taking my 2meter ht with me.

I was wondering :

1) Does anyone have the repeater frequencies and splits used on the island ???

2) Does anyone know of someone who I could contact to learn more about hamming on the island and perhaps guest operating on an hf rig ???

3) Does anyone know what the proper way of signing is there if I want to use portable xxxx, or a kb2gcg/xxxx. I know it is no longer required (please let's NOT get into that whole discussion) but it would be kind of neat to let people know where I was operating from via call sign.

Thanks in advance for your help.

Jerry Simonowits
Salomon Technology Services, Inc.
Internetworking & Support Group
Phone: 201-896-7330
Email: jerrys@canada.sbi.com
(KB2GCG)

```
From -6793960308808959773
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ccd94040315cfee1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 06:20:37 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!rutgers!njin!uupsi!
uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Radio Shack Bashing
Message-ID: <425@ultrix.uhasun.hartford.edu>
Date: 10 Jan 91 14:20:37 GMT
References: <1991Jan6.204033.19970@informix.com> <1250323@hpnmdla.HP.COM>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 24

In article <1250323@hpnmdla.HP.COM>, alanb@hpnmdla.HP.COM (Alan Bloom) writes:
 > In rec.ham-radio, onder@ISI.EDU (Bruce Onder) writes:
 >
 > >> I complain VERY loudly whenever they refuse to accept a cash
 > >>transaction. Has anything changed? Ha!
 >
 > >I assume this is for their flyer mailing list?  Make something up.
 > >Usually, it's easier to work around a problem than bash your head
 > >against it.
 >
 > One I have used in the past is:
 >
 >      Hiram Maxim
 >      225 Main St.
 >      Newington, CT 06111

Ah, so _that's_ why we get that large stack of RS flyers addressed
to HPM!


--
Jon Bloom, KE3Z                              | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu         |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

From 7317296356197225603
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8163a0129de4dc0e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-10 06:23:53 PST
Path: gmdzi!unido!mcsun!uunet!samsung!interlan.InterLan.COM!interlan.interlan.com!yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <YETSKO.91Jan10092353@interlan.interlan.com>
Date: 10 Jan 91 14:23:53 GMT
References: <139@decabo.enet.dec.com> <kNeJV4w163w@phoenix.com>
     <YETSKO.91Jan10083555@interlan.interlan.com>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 13
Xref: gmdzi rec.radio.shortwave:3407 rec.ham-radio:19098
In-reply-to: yetsko@interlan.interlan.com's message of 10 Jan 91 08:35:55

As a followup, I just found out from another posting in another group, the point of sale system in the RS store DOES have a way to refuse the name and address. Just hit <F3> and the system will not use it.

On another note, I went into a local RS and the guy was rushed and DIDN'T ask for my name and address, he just hit a random phone number and selected the first name. Some may like this, but what about returns and/or refunds? What about a warrantee if the purchase was bad? Should be no problem, but hey, it COULD be a piss. Also, what if I needed that receipt to get company re-imbursement? That pissed me off even more.

Mike Yetsko
InterLan

From 5477836690305143832
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b501377895b39e15,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,b501377895b39e15,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-10 06:27:25 PST
Path: gmdzi!unido!mcsun!uunet!bonnie.concordia.ca!clyde.concordia.ca!s3!mlefebvr
From: mlefebvr@ireq.hydro.qc.ca (Marc Lefebvre)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Help with HAMCOMM
Message-ID: <4715@s3.ireq.hydro.qc.ca>
Date: 10 Jan 91 14:27:25 GMT
Sender: root@s3.ireq.hydro.qc.ca
Reply-To: mlefebvr@ireq.hydro.qc.ca ()

Organization: IREQ, Hydro-Quebec, QC, Canada
Lines: 17
Xref: gmdzi rec.ham-radio:19101 rec.radio.shortwave:3411

I need a little help with the RTTY program Ham Comm.

1) it does not seem possible to select COM1 or COM3 from the menus. Why?
2) the program locks up my laptop quite often. Has anybody had the same type of problem ?
3) is there some kind of extra documentation file available somewhere ? the program looks very nice but the help file is very short.

Thanks, Marc.
mlefebvr@ireq.hydro.qc.ca

--
Marc Lefebvre,   IREQ: Institut de Recherche d'Hydro-Quebec
Analyste Informatique.   1802 Montee Ste-Julie, Varennes,
                                        Prov. Quebec, CANADA J3X 1S1.
mlefebvr@ireq.hydro.qc.ca   Tel: 514 652-8554 fax: 514 652-8555

From 3140933420750649844
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9d18f14b8d604228,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 07:18:42 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Others' view of codefree
Message-ID: <1042.278B5502@w8grt.fidonet.org>
Date: 9 Jan 91 22:35:33 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 129

The following is part of the text of an article that appearred this week in FidoNews <tm>, the weekly newsletter of the amateur computer network called Fidonet <tm>. I am reproducing it here to demonstrate that the fears that only radical outlaw CB'ers will be attracted by the codefree license are unfounded.

Jack Decker
1:154/8

FIDONET IN 1991

Well, here we are at the start of a new year. What will 1991 bring for Fidonet?

This could turn out to be an interesting year. Perhaps the biggest event may go almost unnoticed by most. It came in the form of a news release from the Federal Communications Commission:

December 13, 1990

FCC ESTABLISHES NEW CODELESS CLASS OF AMATEUR OPERATOR LICENSE
(PR DOCKET 90-55)

The Commission has revised the examination requirement for the Technician Class operator license, thereby creating a new codeless class of amateur operator license. After these revisions have become effective, an examinee will not be required to prove that he or she can send and receive texts in Morse code telegraph signals to qualify for a Technician Class amateur operator license.

The amateur service currently consists of five classes of licenses having increasing privileges and each being progressively more difficult to obtain. The classes are Novice, Technician, General, Advanced, and Amateur Extra.

The FCC noted that offering a codeless class of license that authorizes control operator privileges at stations which transmit exclusively above 30 MHz, provides an entry level opportunity to otherwise qualified persons who find telegraph a barrier to pursuing the purposes of the amateur service.

Therefore, the FCC has established the Technician Class as the codeless class of license. This license includes all amateur privileges above 30 MHz. The Commission also amended the rules to grandfather frequency privileges below 30 MHz to current Technician Class licensees.

In addition, the Commission decided to retain the Novice Class operator license in order to provide an alternate entry level operator license opportunity to persons who desire to pursue the purpose of the amateur service and who can pass a telegraphy requirement in place of the more comprehensive written examination requirement for the codeless Technician Class operator license.

Action by the Commission December 13, 1990, by Report and Order (FCC 90-///). Commissioners Sikes (Chairman),

-FCC-

[end of news release]

What does this mean, and why is it important? Well, for the first time folks in the United States will be able to get into the hobby of amateur radio without taking a morse code test. It is impossible to know how many will take advantage of this opportunity, but it could make a difference if those with an interest in technology are drawn into amateur radio. As you are probably aware, amateur packet radio technology allows data communication via radio that are very similar in many ways to what we do via phone lines.

I'm not an amateur (not yet, anyway), but as I see it there are four noteworthy things to keep in mind about amateur radio:

1) They use protocols similar to those used by the Internet (e.g. AX.25 which is a takeoff on the X.25 protocol). Thus, folks who get into amateur radio will probably be more at home in the UseNet environment than in Fidonet.

2) There are no long distance charges in amateur radio. Thus, it may have great appeal to those in rural areas. Those using amateur radio for data transmission need not be quite so concerned with shaving every last byte off of a transmission in order to save phone charges (I'm not saying that efficient protocols should not be used, but it's simply not going to be quite as big a concern). The fact that phone charges are not an issue may mean that there are fundamental differences in the way traffic is moved via amateur radio.

3) No commercial traffic may be carried over amateur radio. Thus, certain types of conferences that are routinely carried on Fidonet could not be carried via amateur radio (at least not without significant changes in content).

4) Again, I must point out that I'm not an amateur, but it seems that one of the problems with amateur radio is that many hams seem to want to talk only about amateur radio, and nothing else! We have those types in Fidonet, too, of course - the folks that participate only in the computer- and communications-oriented conferences. But in Fidonet, there are conferences on a fairly wide range of other subjects as well. I'm not sure if amateur radio has this diversity now, but if it doesn't it probably will.

Those of you that are hams may find some glaring errors in what I've stated above; if so, please understand that I don't claim any expertise on the subject. My only point in commenting on this at all is to point out that while amateur radio will never completely replace Fidonet, it could certainly affect us. Indeed, it has already (some have commented that the now defunct IFNA [International FidoNet Association] was intended to be to Fidonet what the ARRL [American Radio Relay League] is to amateur radio. Since the ARRL seems to be the organization that many hams "love to hate", I'd say that IFNA at least partially achieved its goal!). But now that the psychological barrier of the code has been removed, it's quite possible that many more of the technologically-knowledgeable people in Fidonet will be inspired to bone up on small amount of electronic theory knowledge required to get a ham license.

This cross-pollination of the two technologies could ultimately
affect us in ways we don't yet realize.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

```
From 2124828649852405705
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,82aaeefebab1483f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 07:39:23 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!noao!ncar!midway!
midway.uchicago.edu!pbhx
From: pbhx@midway.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: Re: Call sign info
Message-ID: <1991Jan10.153923.27096@midway.uchicago.edu>
Date: 10 Jan 91 15:39:23 GMT
References: <10747@lanl.gov>
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 21
```

In article <10747@lanl.gov> stevens@mpx1.lampf.lanl.gov (Stevens, Thaddeus C.) writes:

> Does anyone out there know if the call sign information for hams (
> i.e. call sign, name, address) is available electronically somewhere
> and how to access it ???

If you have hard-wired (not dialup) access from your machine to the
net, give the command:

```
telnet marvin.cs.buffalo.edu 2000
```

or if it doesn't "know" about marvin try:

```
telnet 128.205.32.4 2000
```

Then type 'help" for instuctions. The data is 15 months old but should
be updated soon.

```
---------------------------
Peter B. Hayward                                              WX9T
University of Chicago Computing Organizations
```

```
From 4297734808995802974
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ccd94040315cfee1
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1991-01-10 07:51:41 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!emory!
athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: Radio Shack Bashing
Message-ID: <1991Jan10.155141.7877@athena.cs.uga.edu>
Date: 10 Jan 91 15:51:41 GMT
References: <1991Jan6.204033.19970@informix.com> <1250323@hpnmdla.HP.COM>
<1991Jan9.224747.8051@mozart.amd.com>
Organization: University of Georgia, Athens
Lines: 18

In article <1991Jan9.224747.8051@mozart.amd.com> reed@mozart.amd.com (David F.
Reed) writes:
>>In rec.ham-radio, onder@ISI.EDU (Bruce Onder) writes:
>>
>>>> I complain VERY loudly whenever they refuse to accept a cash
>>>>transaction. Has anything changed? Ha!
>>
>Last time I looked at U.S. currency (printed), on the face side, there
>was a statement "THIS NOTE IS LEGAL TENDER FOR ALL DEBTS, PUBLIC AND PRIVATE"
>which, when confronted with RS hassle, was pointed out to them, they acquiesed
>to it (admittedly, with the asking of use of phone to call the treasury dept.,
>and police, since it is a law...
>
>I suppose they could have exercized their right to refuse my business...
>

No. If they advertise something for sale or display it with a price
on it, they have to actually sell it to anyone who offers to pay that
price. Otherwise it's misrepresentation.

From 5022467848678848889
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 07:55:52 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!emory!
athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <1991Jan10.155552.7988@athena.cs.uga.edu>
Date: 10 Jan 91 15:55:52 GMT
References: <19917.799.7009@canrem.uucp> <1991Jan8.053536.11635@athena.cs.uga.edu>
<655@chiton.ucsd.edu>
Organization: University of Georgia, Athens
Lines: 26

In article <655@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
>In article <1991Jan8.053536.11635@athena.cs.uga.edu> mcovingt@athena.cs.uga.edu

(Michael A. Covington) writes:
>>I, too, would like to encourage homebrewing. (The CW debate convinced
>>me that ham radio has *already* turned into CB, i.e., near 100%
>>appliance operation, with Morse code rather than technical knowledge
>>as the hams' claim to fame!)
>
>Sorry Michael but if you do your homework you will find that the largest number
>of people who are into homebrewing on the HF bands start out by building simple
>CW gear. If you take the time to actually talk to the people that you will
>find hanging around the QRP CW frequencies it is there that you will find some
>of the most technically proficient hams on the bands. Its too bad that your
>anti-CW attitude will always prevent you from meeting the kind of people you say

Huh? You're attributing to me attitudes and beliefs that I don't have.

I *do* use CW. Anti-CW attitude? Well, I don't think CW is the only mode
that exists any more, but I use it and fully appreciate its technical
advantages.

Why the knee-jerk reaction?

I don't advocate "destroying" CW in any way, shape, or form.
All I advocate is a reduction of Morse code exam *requirements*.
Let CW stand on its technical merits rather than forcing people to
master it (we don't force people to use any other mode).

From 9064817784614790377
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 07:58:26 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <1991Jan10.155826.8069@athena.cs.uga.edu>
Date: 10 Jan 91 15:58:26 GMT
References: <42229@ut-emx.uucp> <1991Jan8.172554.17706@athena.cs.uga.edu> <657@chiton.ucsd.edu>
Organization: University of Georgia, Athens
Lines: 24

In article <657@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
>In article <1991Jan8.172554.17706@athena.cs.uga.edu> mcovingt@athena.cs.uga.edu (Michael A. Covington) writes:
>>
>>That's what Extra Class *ought* to be. Away with all this fast CW snobbery!
>>REAL hams know how to build radios!!!
>
>Sorry to keep harping on the point, but most homebrewers start out by building
>simple CW rigs. There are many reasons for this but the bottom line is if you

>want to build radios for HF operation you will have a very hard time maintain-
>ing your anti-CW attitude. The only snobbery is in your own mind. Please give
>the mode a break. CW OPs are the least elitest, most open minded group of hams
>you will find. Don't take my word for it. Break out your key and give it a try.
>

We should perhaps continue this on 21.060.
I'm not the character you think you're arguing with.
I'm into QRP CW and homebrewing!

What I meant by "fast CW snobbery" was the attitude -- very widely
expressed in the no-code debate -- that "I can receive 20 wpm and that
makes me a superior person and knowing how a radio works has nothing
to do with it!!!" And there *are* plenty of people with that attitude,
who think they "earn" ham privileges merely through fast code speed.
You do not appear to be one of them, but they do exist.

From -127984621598318386
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 08:09:45 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <1991Jan10.160945.8229@athena.cs.uga.edu>
Date: 10 Jan 91 16:09:45 GMT
References: <19917.799.7009@canrem.uucp> <1991Jan8.053536.11635@athena.cs.uga.edu>
<655@chiton.ucsd.edu>
Organization: University of Georgia, Athens
Lines: 28

In article <655@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
>In article <1991Jan8.053536.11635@athena.cs.uga.edu> mcovingt@athena.cs.uga.edu
(Michael A. Covington) writes:
>>I, too, would like to encourage homebrewing. (The CW debate convinced
>>me that ham radio has *already* turned into CB, i.e., near 100%
>>appliance operation, with Morse code rather than technical knowledge
>>as the hams' claim to fame!)
>
>Sorry Michael but if you do your homework you will find that the largest number
>of people who are into homebrewing on the HF bands start out by building simple
>CW gear. If you take the time to actually talk to the people that you will
>find hanging around the QRP CW frequencies it is there that you will find some
>of the most technically proficient hams on the bands. Its too bad that your
>anti-CW attitude will always prevent you from meeting the kind of people you say
>you want to see more of in Amateur Radio. Well, they are already there and they
>would be happy to see you join them. Please give yourself a break, get out your
>key and explore the opportunities that exist on the CW bands before you write
>the mode off as useless or worse, actively join the ranks of those trying to
>destroy it.

OM, those are gratuitous insults. I am *not* the kind of person you are calling me. I am *not* ignorant of the things you say I am ignorant of.

My point was that Morse code is NO SUBSTITUTE for technical knowledge. You apparently agree with this. So why the flaming????

Please post an apology.

de N4TMI (QRP CW op)

From -750286607411874752
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f44343c56820f051,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 08:10:14 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!UKCC.UKY.EDU!ROBERTT
From: ROBERTT@UKCC.UKY.EDU ("Williamson, Robert")
Newsgroups: rec.ham-radio
Subject: Love Ur Debates!
Message-ID: <9101092304.AA26489@ucsd.edu>
Date: 9 Jan 91 22:59:41 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 71

This pointless, meaningless, moot, boring, run-in-the-ground code/no-code debate SHOULD END....NOW! But....uh....I have another clever thought or two about it - before I insist that YOU PEOPLE SHUT UP. Or should I tell you about that incredible aspect of ham radio I enjoyed most as a youngster.....which I think should be an absolute requirement for ALL hams today? I can't decide. Does anybody (except you mindless, obsolete, irrelevant Old F**ts) know what a *brown 807* is? So.....forget the whole thing!

OK, I'm just kidding. This is a most interesting, and informative list. Ham radio has always offered conflict, debate, humor, wit, intellectual stimulation, and collegiality - as well as a wonderful opportunity to learn and be tested over skills and information which the next generation always views as obsolete. This forum certainly maintains those traditions - and in a very enjoyable format. Just wish I had the time to participate - even to carefully read all the postings!   (what kind of jobs do you guys have, anyway???)

Debate concerning how this hobby will, and should, evolve - esp. the PROCESS by which this occurs; rules and regulations, licensing structures and requirements, spectrum allocations (of course), philosophies concerning growth - inclusion/exclusion, waivers, etc., should continue endlessly. Without it, the hobby as we know it will certainly die. Eventually, we will all be debating the merits of dropping all of the arbitrary and *irrelevant* barriers to participation and having to rationalize exclusion on ANY basis. The first ammendment ultimately comes into play...right?   Like...what RIGHT do you have (man) to tell me how much RF I can emit, and on which frequencies; and what modes of modulation I can and can't use???? (Is this America or not???)

Relevance needs to be continually questioned, and assured - esp. concerning people and their interfaces to rapidly changing technologies. In my business, programming aptitude was once a prime requisite for effective computer utilization. Today, it is almost totally irrelevant; and has been for much longer than it took us to realize.....and admit it! Most people that I know today, making effective use of computers, have no programming skills whatsoever. If they had to write programs, they wouldn't be using computers.

Relevance, on the other hand, should not get confused with *expedience*. The educational systems in America may never recover from our misguided efforts, beginning in the mid-sixties, to make it all *relevant*. Worse....our SOCIETY may never recover either. The pipelines are empty - at least of young Americans. Advanced science apparently isn't relevant. Graduate schools are catering primarily to foreign students. Many of them will leave this country and use what we have given them against us. Thank God though for American *freedom* and *enlightenment*. Our boomers have never had ANYTHING shoved down THEIR throats. We left if all up to them. If it didn't feel good - RIGHT THEN - they weren't required to do it.

The aging ham population is but one small aspect of a much larger societal challenge. How do we get boomers excited about being a part of ANYTHING (which wasn't invented in their lifetime)? How do we get them to see relevance in history, tradition, continuity.... the interests and needs of others?

Well, time for my Geritol and afternoon nap. 73zzzzzzz.

Bob Williamson, W4DHK - Extra (single and multi-engine land)

Tourist: But won't it take a long time to fatten your old
          hog, holding him up to that apple tree like that?

Ky. farmer: I don't know. What's time to a darned old hog?

From 2998567782229420591
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1029c116b680ef93
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 08:38:42 PST

Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!usc!zaphod.mps.ohio-state.edu!ncar!midway!midway.uchicago.edu!pbhx
From: pbhx@midway.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: Re: Advanced class
Message-ID: <1991Jan10.163842.28480@midway.uchicago.edu>
Date: 10 Jan 91 16:38:42 GMT
References: <memo.664696@lynx.northeastern.edu>
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 26
Posted: Thu Jan 10 10:38:42 1991

In article <memo.664696@lynx.northeastern.edu>
sehrlich@lynx.northeastern.edu writes:
> First, my situation. The radio club at Northeastern
> University, which I am a part of, has a copy of the 2nd Edition ARRL
> Advanced class license manual. Now, the manual says that it should not
be
> used to study for exams given after October 1990 because of question pool
> changes to the exam. My question to anyone who can help is, are the
> changes to the question pool so great that I would need to purchase the
> 3rd edition from the ARRL for the updated questions, or could those
people
> who are part of this journal supply me with the changes made to the
> question pool?

Soapbox mode on..

If I recall, the manual costs $6. Splurge (you will probably want to
keep it anyway.)

Soapbox mode off...

The changes are minor.

Peter B. Hayward   WX9T
University of Chicago Computing Organizations

From -6152628926252854487
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2bc5f2b849a7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 08:43:46 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!
sdd.hp.com!hplabs!hpcc05!hpcuhb!fel
From: fel@hpcuhb.cup.hp.com (Skip La Fetra)
Newsgroups: rec.ham-radio
Subject: Re: HELP with mike cord
Message-ID: <10510014@hpcuhb.cup.hp.com>
Date: 10 Jan 91 16:43:46 GMT

References: <010491.144024.enge@ibm.com>
Organization: Hewlett Packard, Cupertino
Lines: 13

It's preventive medicine, rather than a cure, but......

If you never turn the mike over (observe the way you pick up & put down the mike -- you'll be surprised) or (if you have a long telephone handset cord) do the same thing by stepping over the cord (i.e. walking in a circle), then the cord will take a very long time to kink. Ideally, never.

However, to me the prevention is worse than the problem. Paying enough attention to my (habitual) mike-handling takes more effort than periodically unkinking the cord.

Such is life.   -73   Skip AA6WK

From 8387497006404477273
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95fe8d55acc0f948,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 08:53:47 PST
Path: gmdzi!unido!mcsun!uunet!rayssd!raybed2!ewb
From: ewb@raybed2.msd.ray.com (EUGENE BALINSKI)
Newsgroups: rec.ham-radio
Subject: ATV freqs vs Cable TV Channels
Keywords: RE-post Please
Message-ID: <1983@raybed2.msd.ray.com>
Date: 9 Jan 91 21:03:37 GMT
Organization: Raytheon Co., Tewksbury, Mass.
Lines: 4

Could the person who posted the list of ATV freqs vs. Cable TV channels please do so again. Thank You

Gene WA1UXA

From 3466341225564257866
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b6fced14dbe7537
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 08:57:01 PST
Path: gmdzi!unido!mcsun!uunet!sbi!zeus!pivot-nj!canada!jerrys
From: jerrys@canada.sbi.com (Jerry Simonowits)
Newsgroups: rec.ham-radio
Subject: Re: new technician class
Summary: process not qualification is the issue
Message-ID: <128@canada.sbi.com>
Date: 9 Jan 91 20:04:23 GMT
References: <126@canada.sbi.com> <224@platypus.uofs.edu>

Organization: Salomon Brothers - NJ
Lines: 51

In article <224@platypus.uofs.edu>, bill@platypus.uofs.edu (Bill Gunshannon)
writes:
> In article <126@canada.sbi.com>, jerrys@canada.sbi.com (Jerry Simonowits)
writes:
>
> Which VEC is this person accredited by?? Sounds like something out of
> the ARRL, but if he is, he is still wrong, even by their standards.
>
> The following is extracted from The ARRL Letter, Vol. 9, No. 26 dated
> December 31, 1990:
>
>   Assuming the code-free Technician license becomes a reality on
>   February 14, amateurs who passed Element 2 and/or Element 3A
>   after February 14, 1990 may now qualify for (or have partial
>   ^^^
>   credit toward) the new license. (Element credit is good only
>   for 365 days from the examination date).
>
>   And this from the group that is probably going to take the most
> conservative interpretation of what the FCC says. I suggest you take
> a copy of the ARRL letter, which was posted to USENET a few days ago
> by Phil Karn, KA9Q and show it to your VE.
>
> Let us know what transpires. Inquiring minds want to know. :-)
>
> bill   KB3YV
>
> PS. If the ARRL Letter is already expired at your site, I kept a
> copy. I can Email it to you.
>
> --
>
>   Bill Gunshannon | If this statement wasn't here,
>   bill@platypus.uofs.edu | This space would be left intentionally blank

Bill,
It so happens that he does belong to the ARRL VEC. However, the issue is not if someone is qualified. He agrees, if you have passed elements 2 and 3a and it is now 2/14 you are qualified for a technician class license.

The problem is that there is no PROCESS in place to handle people who pass these elements prior to 2/14. How does a 610 get generated after 2/14 if no additional elements are taken and passed ???!!!

Jerry Simonowits
Salomon Technology Services, Inc.
Internetworking & Support Group

Phone: 201-896-7330
Email: jerrys@canada.sbi.com
(KB2GCG)

From -2069090040158528776
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 08:57:59 PST
Path: gmdzi!unido!mcsun!uunet!sbi!zeus!pivot-nj!canada!jerrys
From: jerrys@canada.sbi.com (Jerry Simonowits)
Newsgroups: rec.ham-radio
Subject: Re: Rigs for beginners? (Was Re: Comments needed...)
Summary: good idea
Message-ID: <129@canada.sbi.com>
Date: 9 Jan 91 20:07:11 GMT
References: <9101031728.AA15712@ucsd.edu> <5490111@hpscdc.scd.hp.com>
<*{X^HF@uzi-9mm.fulcrum.bt.co.uk>
Organization: Salomon Brothers - NJ
Lines: 20

Hi,
I also started out with a simple rig, the Heathkit HW-101, the succsessor to the sb-101. It did have some little extras, but because it is so basic, it forced me to learn more about tuning up and understanding how a radio works. BTW, sometimes simple is fine, with just some casual use I have made some 40 DX contacts on voice 10M.

About a month ago I finally upgraded to a ts-430.

Jerry Simonowits
Salomon Technology Services, Inc.
Internetworking & Support Group
Phone: 201-896-7330
Email: jerrys@canada.sbi.com
(KB2GCG)

From -5856705083137684744
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1d96ae0e88191d77,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 09:22:55 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!PICA.ARMY.MIL!cfishman
From: cfishman@PICA.ARMY.MIL (Clark Fishman, FSAC-FCD)
Newsgroups: rec.ham-radio
Subject: HOMEBREW

Message-ID: <9101101222.aa02214@FSAC1.PICA.ARMY.MIL>
Date: 10 Jan 91 17:22:55 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24

There has been interest by some or one netter to build a 2 meter tranceiver.... It can be done easily and cheaply using some modern Intergrated Circuits from our friends at Motorola.

You can build the transmitter from a MC2833 Low Power FM Transmitter System and the receiver from a MC 3362 Low Power Dual Conversion FM Receiver chip. Recomend that you get the Motorola Linear and Interface Integrated Circuits handbook DL128 REV 3 It has lots of interesting things.

If you need any help call or e-mail me direct I'll be glad to help. I am basically a RF type and will be glad to check out your transmitter before you put it on the air.

I can help you out with parts and data sheets as necessary.

Clark Fishman WA2UNN

e-mail: cfishman@pica.army.mil

phone DAY: 201-724-6041 or 7956

NIGHT: 908-852-7416 (908 is a new New Jersey area code)

From -2058608138219709311
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6569e351a5eb59a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 09:31:38 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!infopiz!lupine!hansen!phil
From: phil@hansen.NCD.COM (Phil Graham)
Newsgroups: rec.ham-radio
Subject: Re: Cushcraft R5 vs. Butternut Vertical
Message-ID: <3280@lupine.NCD.COM>
Date: 10 Jan 91 17:31:38 GMT
References: <E15ED8622B7F00665F@ROSEVC.Rose-Hulman.Edu> <7880406@hpfcdc.HP.COM>
Sender: news@NCD.COM
Reply-To: phil@hansen.NCD.COM (Phil Graham)
Lines: 14

Recently I installed the 12/17 meter kit to the antenna. What a disappointment, same problem.

So if I was to do it all over, I would get the R5 for 10,12,15,17,20

meter operations and put up a wire antenna (sloper, long wire, etc) for
40 & 80 meters. This combination will give you better performance on
all bands than the Butternut...

Have fun!

Phil
KJ6NN

```
From -7866628392026490767
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f1e7637656c4ce32,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 09:35:48 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!aero!obrien
From: obrien@aero.aero.org (Michael O'Brien)
Newsgroups: rec.ham-radio
Subject: Argh: Outbacker mod needed
Keywords: Outbacker
Message-ID: <96643@aerospace.AERO.ORG>
Date: 10 Jan 91 17:35:48 GMT
Sender: news@aerospace.aero.org
Reply-To: obrien@aero.aero.org (Michael O'Brien)
Organization: The Aerospace Corporation
Lines: 10
```

Someone recently (but not TOO recently!) posted a mod to the Outbacker
where you replace the tuning whip at the top with a much longer one for
another antenna, then plug the loading cord into a different hole.

I now need that article, and it's expired on our system. Could someone
(like the original author, maybe!) forward it to me? I'm asking on
behalf of Steve Roberts, of Winnebiko fame.
--
Mike O'Brien
obrien@aerospace.aero.org

```
From -4676829030734746765
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,321fff2b547f9480,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 09:36:25 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!ousrvr!ousrvr!luru
From: luru@stekt.oulu.fi (Ari Husa OH8NUP)
Newsgroups: rec.ham-radio
Subject: IC-u2 mods
Message-ID: <LURU.91Jan10183625@stekt.oulu.fi>
Date: 10 Jan 91 17:36:25 GMT
Sender: news@ousrvr.oulu.fi
Distribution: rec
```

Organization: The Buffalo Club
Lines: 17

Where can I get instructions for the known modifications for various
VHF/UHF radios?

More specifically: Is it possible to get BOTH standard 12.5/25 MHz
step and "unlimited coverage RX" simultaneously on an IC-u2?

I have a modified IC-u2ET which steps by 5 kHz only when the band
limits have been removed, and I'd love to get either 12.5 kHz or 25 kHz
step for convenience.

Thank you.

```
     Luru
--
     ///
     o-o    Ham Radio Operators Do It In Higher Frequency
      o
```

From 9074216309730659828
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8163a0129de4dc0e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-10 09:48:56 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!rochester!kodak!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <0NkkV5w163w@phoenix.com>
Date: 10 Jan 91 17:48:56 GMT
References: <YETSKO.91Jan10083555@interlan.interlan.com>
Organization: Not BIFF At All (NBAA)
Lines: 14
Xref: gmdzi rec.radio.shortwave:3417 rec.ham-radio:19120

yetsko@interlan.interlan.com (Mike Yetsko) writes:

> Stores do NOT get paid for names and addresses, employees do NOT get paid
> for names and addresses.

So, the employee who told me this LIED? What a novel concept.

```
> for District Managers to have 'contest' for this, giving small items for
> the highest each month, and maybe stuff like a reveiver or even a computer
                                                 ^^^^^^^^
> for the highest for the year.
```

They use this to revive from a customer who punches them out for demanding a name and address? :-)

From -3146518545167697563
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fb759ae2e62e9c7,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,fb759ae2e62e9c7,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1991-01-10 09:50:36 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: The possible demise of DRSI (rumor?)
Message-ID: <226@platypus.uofs.edu>
Date: 10 Jan 91 17:50:36 GMT
Followup-To: rec.ham-radio.packet
Organization: University of Scranton, Scranton, PA
Lines: 15
Xref: gmdzi rec.ham-radio:19117 rec.ham-radio.packet:3380

I have been told by a local ham that there is a rumor circulating that DRSI has filed for bankruptcy.

Can anyone confirm/dis-prove this??

If it is true, is there anyone located near DRSI that could find out if they have a lot of cards to liquidate. I for one would still buy their cards and will greatly miss them when they are gone.

bill   KB3YV

--

```
     Bill Gunshannon          |        If this statement wasn't here,
     bill@platypus.uofs.edu   |  This space would be left intentionally blank
```

From -6328657804149554209
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6569e351a5eb59a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 14:55:59 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Cushcraft R5
Message-ID: <7880406@hpfcdc.HP.COM>
Date: 9 Jan 91 22:55:59 GMT
References: <E15ED8622B7F00665F@ROSEVC.Rose-Hulman.Edu>
Organization: HP Fort Collins, Co.

Lines: 27

>I've seen many articles here over the past 6 months on the R5, including this
>week's comments. Off the list, though, I hear a lot of people say, "Get a
>Butternut vertical and you'll have 80 and 40 as well." Can anyone offer a
>comparison of the Cushcraft and Butternut verticals?
>
>73 de W3GRG - steve

I own the Butternut HF6VX, and have a friend with an R5. The Butternut needs radials, since it is a quarter-wave on 80/40. On 20, it is a half-wave, just like the R5, except that it has another half-wave reflected in the groundplane (which I've heard gives you a little more gain).

The advantage of the HF6VX is that it offers multiple quarter wave operation on 10/15/20 (slightly more gain). There are no traps - the whole antenna radiates on all bands. The disadvantage is that it requires radials to perform well. If you intend to move the antenna a lot, you probably want an R5, and use a horizontal wire loop and Transmatch for 40/80/160.

I've found an easy way to lay radials just under the lawn - I use a short length of tank coil tubing taped to a utility knife to "inject" #25 enameled copper (available at electric motor repair shops) into the lawn. Then I went nuts and now I have 40-50 radials, which is near-perfect for 20 meters and up.

Perry / KF0CA

From 950749107278857 26
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8163a0129de4dc0e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 15:18:26 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Radio Shack bashing
Message-ID: <9101092318.AA13263@tilde>
Date: 9 Jan 91 23:18:26 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18

In <alanb@hpnmdla.HP.COM (Alan Bloom)> Alan says:

>I wouldn't mind if store employees ADMITTED it when they don't know something.
>I went to buy a telephone answering machine recently (Good Guys, I think)
>and was informed by the salesman that the machine operates on a frequency
>of 49 kHz. I heard another salesman tell someone else that no one can listen
>into their brand of cordless phone because of its digitally-encoded ringer.

Al, thanks for reminding us that nearly every store has uninformed sales people. This problem is obviously not unique to RS. Perhaps it would help if some of the people who complain about store help would spend a week or two in retail sales, meeting the public on a daily basis. That's where you find that the problem definitely has two sides.

73,
Dube N5PDK

"Why waste time learning, when ignorance is instantaneous?" -Hobbes

---

From -5034777816541678577
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,82aaeefebab1483f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 15:47:23 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!xylogics!samsung!zaphod.mps.ohio-state.edu!swrinde!dptspd!lcz
From: lcz@dptspd.sat.datapoint.com (Lee Ziegenhals)
Newsgroups: rec.ham-radio
Subject: Re: Call sign info
Message-ID: <lcz.663464843@dptspd>
Date: 9 Jan 91 23:47:23 GMT
References: <10747@lanl.gov>
Organization: Datapoint Corporation, San Antonio, TX
Lines: 54

stevens@mpx1.lampf.lanl.gov (Stevens, Thaddeus C.) writes:

>Does anyone out there know if the call sign information for hams (
>i.e. call sign, name, address) is available electronically somewhere
>and how to access it ???

It's been a while since I posted this information for the email callbook server, so I'll go ahead and post it again. Unfortunately the data is still dated September 1989, but I hope to get it updated in a couple of weeks. Also, I have not had the time to implement the many requests for additional search criteria. It still searches by callsign only.

The database contains only U.S. callsigns, and no club stations.

73/Lee, N5LYT

The callbook server is accessed by sending mail to callbook@sat.datapoint.com. Include the following line in the body of your message:

```
     lookup <callsign> [<callsign> ...]
```

The maximum length of a lookup command line is about 200 characters. You may specify more than one lookup command if needed.

The following commands are also recognized:

```
     path - specify a return address (user@domain or bang!path!user)
     help - return this help text.
     quit - quit scanning for commands.
```

Path should not normally be needed, since the mailer should be able
to resolve your address. If you do not get a response from the server,
you might try including a path command.

Quit is not usually needed either, but may be used if you have a signature
that contains things that look like server commands.

Examples:

```
     lookup n5lyt            <= About as simple as you can be

     lookup n5lyt ns5i ka5pfm    <= Look up more than one call

     path bob@foo.com        <= A bit more complicated example
     lookup n5lyt
     quit
```

If you have any questions, send mail to callbook-help@sat.datapoint.com.

Thanks,
Lee Ziegenhals, N5LYT
7 June 1990

From -734102487149253679
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e815f8d5dd6d7024
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 15:54:41 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Making power tetrodes survive (was Re: 3CX800 amp(s))
Message-ID: <7880407@hpfcdc.HP.COM>
Date: 9 Jan 91 23:54:41 GMT
References: <1001.27872078@w8grt.fidonet.org>
Organization: HP Fort Collins, Co.
Lines: 20

Re: limiting screen current

What I've built for the screen supply is a voltage regulator with a
current limiter. The current limiter puts a sense resistor in the
supply line, then steals base drive from the pass transistor when

the sense voltage forward biases a 2N2222A.

The basic circuit is described in the ARRL Handbook section on voltage regulators. The only tricky part is finding a pass transistor that will handle 400+ volts Vce.

Re: grounded screen circuit

EIMAC makes screen bypass rings (at least for the 4CX250B genre), which look serious enough to eliminate all parasitics. The rings are clamped directly to the chassis, and the capacitors connect to the screen ring via short spring stock.

Perry / KF0CA

From -3174822907835091682
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85d9209861665035
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 16:04:18 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!maverick.ksu.ksu.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Is a passive reflector ever a "transmitter"?
Message-ID: <7880408@hpfcdc.HP.COM>
Date: 10 Jan 91 00:04:18 GMT
References: <1894@starfish.Convergent.COM>
Organization: HP Fort Collins, Co.
Lines: 11

There's a VHF/UHF phenomenon called knife-edge refraction, where a mountain range will scatter RF energy. By pointing the beam at the top of the mountain, you may be able to get sufficient RF into the valley on the other side via knife edge and good ol' tropo scatter. With enough power, you can do almost anything. :)

As far as passive dipole reflectors go, it might work reasonably well. Maybe string a series of dipoles between trees on the top. It sounds like a cheap experiment, and maybe it hasn't been done before.

Perry / KF0CA

From 8392954166163022979
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3dd5b3f0d1faf6f7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 16:06:48 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery

```
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: ARRL RECONSIDERATION?
Message-ID: <1991Jan10.000648.5083@NCoast.ORG>
Date: 10 Jan 91 00:06:48 GMT
References: <1991Jan4.041908.8308@yenta.alb.nm.us>
<958.27835538@w8grt.fidonet.org> <1991Jan8.135009@chekovkodak.com>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 23

As quoted from <1991Jan8.135009@chekovkodak.com> by lewis@kodak.com (Ken Lewis):
+---------------
| |> Oh well, I'm not saying anything that hasn't been said before ... I am
| |> 24 now.  When I was 20 I went to a local ham club meeting.  The next
| |> youngest person was 35, then 50+ all the way.  Is amateur radio the
| |> exclusive old-timer's hobby, or are we young hobbyists welcome?
|
|     One reason you see that "gap" is time.  I will admit that is not the
|     only one.  I am in the middle of that gap and I only seem to
|     operate during drive time on 2m/70cm bands.   For me time is a
+---------------

This is true in my local ham club as well:  many younger club members don't
come to meetings because they don't have the time for them.  (Me?  I make
time, but it can be d*mned difficult.  I can see where I might have to stop
going eventually.  Sigh.)

++Brandon
--
Me: Brandon S. Allbery               VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG              Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR               AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY


From 5122164733491771988
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f21b8a6b5b1208e0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 16:18:38 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!tektronix!sequent!sequent.uucp!
dale
From: dale@sequent.uucp (Dale Mosby)
Newsgroups: rec.ham-radio
Subject: QST CMOS Super Keyer II
Message-ID: <50067@sequent.UUCP>
Date: 9 Jan 91 05:38:48 GMT
Sender: dale@sequent.UUCP
Organization: Sequent Computer Systems, Inc.
Lines: 35
```

I constructed the CMOS Super Keyer II seen in the November QST. It powered up and works fine, is a simple construction project, and is easy to use.

I also have a MFJ Multi-Mode Data Controller which will operate as a keyer. I wanted something that would let me operate without having to connect my terminal to the MFJ as well as let me have a portable keyer -- the MFJ requires the terminal for control.

The keyer claims to operate at 6-60 WPM, but on the low end the dot/dash spacing is really 6 WPM which is quite intelligible to me. Despite a lot of time invested in practice, I don't yet copy code well, so like to send below 10 WPM, 8 being a nice speed for me to copy. With the MFJ unit any time the speed is below 15 WPM the characters are sent with a 15 WPM dot/dash spacing and character spacing expanded to produce the slower speed requested. I'd like to see this feature in the CMOS Super Keyer II, wish they had published the source code so I could see if that was easy to add. If they have the room left, I would guess that wouldn't be too hard to do.

This is not a problem when I'm sending by hand, but means that with the speed control set around 15 WPM my hand sending is fine, but the buffers are sent too fast. The keyer allows inserting some "gaps" between characters and this might be a possibility for me, but would not allow me to vary the speed without re-loading the buffers.
In summary though, I do like the keyer.

If anyone has discovered a way to get 15 wpm dot/dash spacing with this device while sending at a slower speed please let me know. Thanks.

```
 dale@sequent.com  OR  { uunet  pur-ee  tektronix sun } !sequent!dale
 Dale Mosby   503-578-9842  N7PEX  // Sequent Computer Systems, Inc.
 15450 SW Koll Parkway             // Beaverton, Or.  97006-6063
```

From 6424953685731994437
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f4f5c26c7e724f5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 16:24:14 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: ARRL news
Message-ID: <7880409@hpfcdc.HP.COM>
Date: 10 Jan 91 00:24:14 GMT
References: <1991Jan7.223343.1@acad2.anc.alaska.edu>
Organization: HP Fort Collins, Co.
Lines: 3
Posted: Wed Jan 9 18:24:14 1991

Try a discone. Broadbanded. Available even at Radio Shock.

Perry / KF0CA

From 5081359571470417086
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 18:02:29 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!luigi
From: luigi@aix03.aix.rpi.edu (John L Luigi Giasi)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <BSY^3J^@rpi.edu>
Date: 10 Jan 91 02:02:29 GMT
References: <19917.799.7009@canrem.uucp>
<1991Jan8.154536.29053@midway.uchicago.edu> <20406@netcom.UUCP>
Organization: Rensselaer Polytechnic Institute, Troy NY
Lines: 22
Nntp-Posting-Host: aix03.aix.rpi.edu

In article <20406@netcom.UUCP> edg@netcom.UUCP (Edward Greenberg) writes:
>In article <1991Jan8.154536.29053@midway.uchicago.edu> pbhx@midway.uchicago.edu
(Peter B. Hayward) writes:
>>How about special lanes on the interstates for people who build their
>>own cars?
>
>A fine idea when and if roads are provided by the govt for use only by
>hobbyist drivers for non-transportation driving only.
>--
etc. etc.
Since this thread has exceeded LENGTH=infinite a little more pointless
drivel won't be appreciated any more that the rest of the replies.

Why not use 900Mhz? EVERYONE I have ever worked on 900Megs had a story
to tell about the gear that got them there. The HOMEBREW band already exists.
The least of the homebrew crew are the few that bought x-verters, and those
hams always seemed fit to tell me about some part of their station that
was fabricated by personal innovation.

Luigi@rpi.edu,
Luigi Giasi KA1UTU
President W2SZ
Rensselaer Poltechnic Institute ARC

From 6835111140897677030
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0e6dc9401b3107d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f8fcc,62e3c9824d85774d
X-Google-Attributes: gidf8fcc,public

X-Google-ArrivalTime: 1991-01-09 18:04:13 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!caen!b-tech!ais.org!danr
From: danr@ais.org (Daniel Romanchik)
Newsgroups: comp.dsp,rec.ham-radio
Subject: Re: DSP boards for PCs
Message-ID: <%XM+KWC@irie.ais.org>
Date: 10 Jan 91 02:04:13 GMT
References: <18732@shlump.nac.dec.com> <10069@pasteur.Berkeley.EDU> <59419@aurs01.UUCP>
Sender: danr@ais.org
Organization: UMCC, Ann Arbor, MI
Lines: 20
Xref: gmdzi comp.dsp:1030 rec.ham-radio:19058

In article <59419@aurs01.UUCP> gingell@aurw90.UUCP (Mike Gingell) writes:
>Although not an internal DSP board for a PC there is a very interesting
>unit available from L L Grace. It looks and functions like an external
>modem to a PC but it contains a Motorola DSP56000 and a V40 coprocessor
>with 1 Meg of memory. It has programmable A/D and D/A with variable
>pre and post filters allowing sample rates up to 100 kHz. It also has
>three separate slelectable analog I/O channels and comes with algorithms
>built in for packet radio (300-9600 baud), CW (morse code), RTTY plus
>more to come in free upgrades (such as WEFAX, NAVTEX, AMTOR, SITOR,
>SSTV). They have an "open programming architecture" which means the
>user can add their own code. Base price is $595.

Do you have an address and telephone number for this company?

TNX, Dan KB6NU

--
Dan Romanchik (danr@irie.ais.org, danr@m-net.ann-arbor.mi.us, 313-930-6564)

"If it ain't broke, don't fix it." -- Ancient Engineering Maxim

From -880296284100531727
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 18:27:00 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <1991Jan9.212700@envy.bellcore.com>
Date: 10 Jan 91 02:27:00 GMT
References: <19917.799.7009@canrem.uucp> <42229@ut-emx.uucp> <656@chiton.ucsd.edu>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 19

In article <42229@ut-emx.uucp> kipper@ccwf.cc.utexas.edu (Kip Ingram) writes:
> Homebrew allows ANYTHING! However, I do think some spectrum
>space reserved for hams who have passed an EXTREMELY rigorous technical exam
>(one involving heavy duty questions about circuit theory, construction
>techniques, and so forth) would be great.

As technically oriented as I am, I think this is both unnecessary and highly unwise. I really don't care what exams people pass or what licenses they hold; I care much more about how the spectrum is actually USED.

I would much rather have rules (preferably gentleman's agreements and/or spectrum management policies) that give some preference to novel and experimental USES of the spectrum. Such policies are much needed as a counterweight to the natural tendency to protect the status quo, as seen in the large number of closed repeaters that hog the VHF/UHF bands in many areas.

Phil

```
From 5493052363436747805
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a957b481268e2f40,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 18:29:26 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!uakari.primate.wisc.edu!
zaphod.mps.ohio-state.edu!rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: Other's view of codefree
Message-ID: <R4DJV3w163w@phoenix.com>
Date: 10 Jan 91 02:29:26 GMT
Organization: Not BIFF At All (NBAA)
Lines: 21
Posted: Wed Jan  9 20:29:26 1991
```

jim.grubs@w8grt.fidonet.org (Jim Grubs), in
<1042.278B5502@w8grt.fidonet.org> writes:

> The following is part of the text of an article that appearred this week in
> FidoNews <tm>, the weekly newsletter of the amateur computer network called
> Fidonet <tm>. I am reproducing it here to demonstrate that the fears that only
> radical outlaw CB'ers will be attracted by the codefree license are
> unfounded.
>
>   [long recap of the new license and discussion of what ham radio is --
>   deleted]

Unfortunately, nothing in the Fidonet document indicated that ANYONE was interested. Not even the author made any indication that he was interested in amateur radio.

So, since the Fido document doesn't show that anyone is attracted, then it does not demonstrate that any fears are unfounded. It may still be that only radical outlaw CB'ers will be attracted. The Fido post didn't say any Fido people were.

From -7080474789281136373
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8163a0129de4dc0e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-09 18:41:19 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <kNeJV4w163w@phoenix.com>
Date: 10 Jan 91 02:41:19 GMT
References: <139@decabo.enet.dec.com>
Organization: Not BIFF At All (NBAA)
Lines: 31
Xref: gmdzi rec.radio.shortwave:3395 rec.ham-radio:19065

brewer@ace.dec.com (John Brewer) writes:

An unattributed quote from me:
> >   I.e., the correct solution is not to complain until they stop asking
> >for information they have no need to have, the correct thing to do is to
> >LIE. Thank you.
>
>   Having worked a Christmas season for Radio Shack in a mall (yes
>   there *is* a hell!) I can assure you that from a salespersons
>   perspective, this is acceptable.

Thank you for the lesson in sales ethics. You may think this is acceptable behaviour, but I do not. I can tell you that any sales person who LIES to ME loses a sale.

>   I was making minimum wage +commission
>   and found myself caught between a Store Manager who *insisted*
>   that we get addresses on tickets, and customers who did not want to
>   give them. So _we_ did the obvious thing, and made them up.

The sales people are not as innocent in this as you want us to believe. I had them tell me that they got money for each name they collected ("Oh, please tell me your name"). Even if the managers had said they did not need to get the names, the sales people would still be pressing for what they don't need.

> Don't beat up a salesperson unless they REALLY deserve it....

After the first time I refuse, they deserve it. Even those who accepted a refusal often did so only after 3 or 4 tries.

From -7527091809069726317
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4894f133cff41a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 18:43:23 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: RF and the outer limits...
Message-ID: <1991Jan9.214323@envy.bellcore.com>
Date: 10 Jan 91 02:43:23 GMT
References: <9012311443.AA29811@hermes.intel.com> <7880403@hpfcdc.HP.COM>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 32

In article <7880403@hpfcdc.HP.COM>, perry@hpfcdc.HP.COM (Perry Scott) writes:
|> Suppose aliens were able to receive our RF. Further suppose that aliens
|> advanced enough to find our RF are also smart enough to triangulate on
|> our planet. Suppose they had the means to use this information for the
|> purpose of military invasion.

If you read up on the physics of SETI, you'll see that the difference in cost (energy, complexity, you name it) between interstellar communication through the use of photons of the right wavelengths (i.e., radio) and physical interstellar travel is SO enormous that you'll realize right away that your scenario is completely ludicrous.

Equally ludicrous are the arguments that UFOs must be real because even the "mainstream" scientists think that intelligent life is likely to exist elsewhere. In short, there's an enormous technology gap between interstellar communication and travel. The technology for the first is now well within our capabilities (except, of course, that nothing we do can overcome the speed-of-light factor); the technology for the latter is not even on the horizon, and given our best understanding of physical limitations, won't be for many many centuries.

As for the earth being seen by aliens, this is of course possible once our expanding RF "shock front" reaches them (Sagan's novel "Contact" is one scenario). The usual calculations show that the human-generated signals most easily detected at interstellar distances would be the video carriers of UHF television transmitters. Fortunately, it is far harder to actually demodulate the video sidebands, so the alien interceptors will probably be spared our Ronco Veg-a-matic ads and

Home Shopping Network sales pitches.

Phil

From 2863395139817408255
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 18:45:21 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!luigi
From: luigi@aix03.aix.rpi.edu (John L Luigi Giasi)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <~TY^SQ^@rpi.edu>
Date: 10 Jan 91 02:45:21 GMT
References: <19917.799.7009@canrem.uucp> <1991Jan8.053536.11635@athena.cs.uga.edu>
<655@chiton.ucsd.edu>
Organization: Rensselaer Polytechnic Institute, Troy NY
Lines: 34
Nntp-Posting-Host: aix03.aix.rpi.edu

In article <655@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
>Sorry Michael but if you do your homework you will find that the largest number
>of people who are into homebrewing on the HF bands start out by building simple
>CW gear. If you take the time to actually talk to the people that you will
>find hanging around the QRP CW frequencies it is there that you will find some
>of the most technically proficient hams on the bands. Its too bad that your
>anti-CW attitude will always prevent you from meeting the kind of people you say
>you want to see more of in Amateur Radio. Well, they are already there and they
>would be happy to see you join them. Please give yourself a break, get out your
>key and explore the opportunities that exist on the CW bands before you write
>the mode off as useless or worse, actively join the ranks of those trying to
>destroy it.
>
>   AA6PN

Just thought rich hadn't made his point the first couple of times
and since his responses are such a fantastic example of an unbiased
well-thought-out covering of a relevant issue, I wanted his words to
be reiterated. If anyone has space we could make them available for
anonymous FTP, or post them on the first of the month.

Luigi@rpi.edu

Let me point out the for weak signal work and inexpensive u-wave gear
CW is the only way to go. Rarely pointed out are the groups of hams that feel
anything below 1296 is appliance country, many of them feel that those who
use USENET and INFOHAMS are below speaking to. It's too bad that once a person
gets their ticket, the chances that they hate a certain large group of
people they never met increases dramatically. Just because I have a ticket
doesn't mean I subcribe to the majority view, and I don't like anyone telling
me that their way is the way. I would say that everyone feels this way,

but then I would be speaking for others, and hams never do that.

73 es CUL sk de KA1UTU k

From 4469736127705578490
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bdc1dabe095d7cb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 18:52:12 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!elroy.jpl.nasa.gov!ncar!gatech!udel!masters
From: masters@freezer.it.udel.edu (paul masters)
Newsgroups: rec.ham-radio
Subject: Re: ARRL Logo in PostScript
Message-ID: <41297@nigel.ee.udel.edu>
Date: 10 Jan 91 02:52:12 GMT
References: <NELSON.91Jan8160515@sun.soe.clarkson.edu> <1991Jan9.224722.5610@midway.uchicago.edu>
Sender: usenet@ee.udel.edu
Organization: University of Delaware -- ACIT Sun Lab
Lines: 13
Nntp-Posting-Host: toffee.it.udel.edu

I got a memo, published by the ARRL, from a ham radio store here in Delaware. I was thinking it might be nice if we could reprint it in our university paper to atract members to the Udel ARA. Would this be illegal?

Paul

--
I will not waste chalk..I will not skateboard down the halls..I will not burp in class..I will not instigate revolution..I will not draw naked ladies .....I will not program brahms.udel.edu to murder itself....
Paul Masters N3IRU (The ham license arived 12/04/90)

From 2845582839001636819
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,218c7722ed3a75ad,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 19:43:30 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!CRDEC7.APGEA.ARMY.MIL!wejones
From: wejones@CRDEC7.APGEA.ARMY.MIL (Bill Jones)
Newsgroups: rec.ham-radio
Subject: Visa Merchant agreement???
Message-ID: <9101090920.aa00802@crdec7.apgea.army.mil>
Date: 9 Jan 91 14:20:45 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet

Lines: 8

I too am very interested in this if it exists. I have always refused to give Radio Shack my name......, and have been refused service on credit cards and checks, but never on cash. My wife refuses to go into a Radio Shack with me because it allways ends in an argument. If there is some Visa agreement of non harassment of Visa customers, I would love to complain, although Visa would probably not want to lose a client as big as Radio Shack.

From -2639101026357526266
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b6fced14dbe7537
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 19:47:48 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: new technician class
Message-ID: <224@platypus.uofs.edu>
Date: 9 Jan 91 13:50:26 GMT
References: <126@canada.sbi.com>
Organization: University of Scranton, Scranton, PA
Lines: 38

In article <126@canada.sbi.com>, jerrys@canada.sbi.com (Jerry Simonowits) writes:
>
>   First, as confirmed thru my VE and mentioned in a club
> meeting last Sunday by the Norther N.J. section manager there is
> no prcedure in place for those who have previously passed elements
> 2 and 3a to file a 610 form. The VE's are only required to sign and send
> one in if an applicant has passed a unit which they administered.
>

Which VEC is this person accredited by?? Sounds like something out of the ARRL, but if he is, he is still wrong, even by their standards.

The following is extracted from The ARRL Letter, Vol. 9, No. 26 dated December 31, 1990:

```
         Assuming the code-free Technician license becomes a reality on
         February 14, amateurs who passed Element 2 and/or Element 3A
         after February 14, 1990 may now qualify for (or have partial
         ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
         credit toward) the new license. (Element credit is good only
         for 365 days from the examination date).
```

And this from the group that is probably going to take the most conservative interpretation of what the FCC says. I suggest you take a copy of the ARRL letter, which was posted to USENET a few days ago by Phil Karn, KA9Q and show it to your VE.

Let us know what transpires. Inquiring minds want to know. :-)

bill   KB3YV

PS. If the ARRL Letter is already expired at your site, I kept a
copy. I can Email it to you.

```
--

     Bill Gunshannon           |        If this statement wasn't here,
     bill@platypus.uofs.edu    |  This space would be left intentionally blank
```

From -4917371628081547636
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5c577a9b0c1bb8cc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 19:48:17 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!yale!hsdndev!husc6!genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: To Richard Currier
Message-ID: <40270@genrad.UUCP>
Date: 9 Jan 91 12:54:00 GMT
Sender: news@genrad.UUCP
Lines: 11

Sorry, fellow netters, for this incursion. Richard asked for something
but I am unable to send it, his email return path keeps bouncing.
Richard, if you see this, please try emailing to me again. This time, send
me a usenet path that works.

And now, back to the program.

```
->Diana L. Syriac      dls@genrad.com         Ham: KC1SP (Sweet Pea)      <-
->I'D RATHER BE FLYING!P-ASEL, INST       CAP: 1LT, Freedom 690 Mobile<-
->GenRad                        AD ASTRA, PER ASPERA       <-
->MS/6, 300 Baker Ave, Concord, Mass.  01742   (508) 369-4400 x2459       <-
```

From -9030522931137580945
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f62f2,2b066034cfe41689,start
X-Google-Attributes: gidf62f2,public
X-Google-Thread: 10c9e3,2b066034cfe41689,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,2b066034cfe41689,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-01-09 19:48:40 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!
aplcen!stda.jhuapl.edu!mjj

From: mjj@stda.jhuapl.edu (Marshall Jose)
Newsgroups: sci.electronics,rec.ham-radio,comp.lang.postscript
Subject: smith.ps: Smith Chart generator (PostScript)
Keywords: rf microwave transmission line cad postscript
Message-ID: <1991Jan9.145555.14746@aplcen.apl.jhu.edu>
Date: 9 Jan 91 14:55:55 GMT
Sender: news@aplcen.apl.jhu.edu (USENET News System)
Reply-To: @aplvax.jhuapl.edu:mjj@stda.jhuapl.edu (Marshall Jose)
Organization: The Johns Hopkins University Applied Physics Laboratory
Lines: 779
Xref: gmdzi sci.electronics:10662 rec.ham-radio:19008 comp.lang.postscript:6210

The following is a shar archive of a PostScript program which prints out a Smith chart. Such a chart is useful to RF engineers and other microwave weenies who still occasionally do things on paper. See the README file for details.

Marshall Jose WA3VPZ
mjj%stda@aplcen.apl.jhu.edu || ...mimsy!aplcen!aplvax!mjj

```
#---------------------<cut before here>-------------------------
# This is a shell archive. Remove anything before this line,
# then unpack it by saving it into a file and typing "sh file".
# Bundled by stda.jhuapl.edu!mjj on Jan 7 at 16:07
#
# Contents: README smith.ps
echo + README
sed 's/^X//' <<'E*O*F_README' > README
XDescription of smith.ps (Smith chart PostScript program)
X7 January 1991
XMarshall Jose, WA3VPZ
XJHU - Applied Physics Laboratory, Laurel, MD
X
XThe file "smith.ps" is a first-cut attempt at recreating within PostScript
Xthe chart invented by Phillip Smith of RCA which is of inestimable utility
Xto RF engineers.  The most significant object on the chart is the reflection
Xcoefficient chart in the chart's center.  This chart relates complex
Ximpedances (or admittances) to their resultant reflection coefficient.
XSee just about any introductory microwave text for further information.
X
XI reproduced the nomographs along the bottom as best as I could from the
X1966 original (Kay Electric Company #82-BSPR (9-66)), but I deleted some
Xnumerical labels to accommodate the font used; this shouldn't affect their
Xuse.
X
XAs I mention in the beginning comments, this program is for cheap
Xstudents and other not-for-profit individuals.  Anybody incorporating
Xany part of this code into a commercial product is welcome to risk
Xtheir own legal neck, but leave me OUT of it.
X
XI confess I failed in my primary aim with this chart, namely to generate
Xa combined impedance-admittance chart with different colors on a color
```

```
XPostScript printer.  Unfortunately, I was unable to get access to one,
Xso I gave up.  Nevertheless, I do have a procedure "DoGB" which will
Xgenerate the admittance circles using dashed lines and a sparser grid.
XIf it is used it should be executed prior to the execution of "DoRX"
Xso that the impedance circles are drawn on top.
X
XI have tried to be fairly straightforward with the coding so that others
Xcould modify it without much grief.  The brave souls who wouldst hack
Xthis code might find lots of places where the code could be optimized
Xfor speed; I encourage them.  There are probably way more call to "sin"
Xor "atan" than are necessary, making the whole chart take about 60 seconds
Xto print out on a LaserWriter II NTX.  Your mileage may vary.
X
XThe casual observer will notice that smith.ps does NOT adhere to
XEncapsulated PostScript Format (EPSF).  This is probably a bummer
Xif you wanted to use this in a document.  Anybody knowing how to
Xput it in EPS format, be my guest.
X
XThe procedure "Dotitles" lets you personalize the chart.  If you want to
Xmake a whole bunch of blank charts you can replace my supplied text with
Xnothings or with underlines.  The procedure "Dodots" is a half-hearted
Xtry at plotting points on the chart; it accepts an array of complex
Ximpedances and labels, and a normalizing resistance.  I gave the
XBezier fitter in PostScript a try, but it didn't work so I ripped the
Xcode out.  Any takers?
X
XAnyway, it was a interesting exercise, and I think I understand the
Xchart a whole bunch more.  Even if you're a total CAE proselyte, when
Xyou print it out and look at it, you'll still get a rush of
Xappreciation for the chart's mathematical beauty and engineering
Xutility.
X
XHave fun & 7'nerds,
XMarshall Jose   mjj@stda.jhuapl.edu  ||  WA3VPZ@N2GTE.MD.USA
E*O*F_README
echo + smith.ps
sed 's/^X//' <<'E*O*F_smith.ps' > smith.ps
X%!
X% smith.ps:
X%
X% The following PostScript(R) program produces a Smith chart which is
X% functionally equivalent to the ubiquitous Smith chart created by
X% Phillip Smith and marketed by the Kay Electric Company [#82-BSPR (9-66)]
X% and others.  It is reproduced here without permission & is intended for
X% use by cheap students; any plagiarizer incorporating this code into
X% marketed products is welcome to risk his/her own legal neck, but please
X% leave me out of it.
X%
X% Questions, corrections, & such may be sent to mjj@stda.jhuapl.edu.
X% However, suggestions for improvement might best be sent to sci.electronics
X% or rec.ham-radio (or to whatever they rename it) instead.
X%
X% 18 December 1990
```

```
X% Marshall Jose
X% JHU - Applied Physics Laboratory, Laurel, MD
X%
X%
X% N.B.:  In the syntax comments below, the top of the stack is designated
X%        by the object "closest" to the procedure-name.  In the following
X%        example, "var1" is on the top of stack upon entry and "res1" is on
X%        the top upon exit:
X%
X%            var2 var1  Procname  res1 res2
X%
X%
X
X4.25 72 mul 5.9 72 mul translate
X
X/Helvfont {/Helvetica findfont 5 scalefont setfont} def Helvfont
X/Symfont {/Symbol findfont 5 scalefont setfont} def
X
X%*
X%*   "Labels" are the numbers which index the R & X circles; "Lvalues"
X%*   are the actual label values; "Regions", "Minordiv", and
X%*   "Majordiv" define the boundaries and divisions of the various
X%*   regions within with the same grid density is kept.
X%*
X[(0) (0.1) (0.2) (0.3) (0.4) (0.5) (0.6) (0.7) (0.8) (0.9)
X (1.0) (1.2) (1.4) (1.6) (1.8) (2.0) (3.0) (4.0) (5.0)
X (10) (20) (50)] /Labels exch def
X[0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.2 1.4
X 1.6 1.8 2.0 3.0 4.0 5.0 10 20 50] /Lvalues exch def
X[ 0  0.2   0.5   1     2     5    10    20    50 ] /ZRegions exch def
X   [ 0.01  0.02  0.05  0.1   0.2   1     2    10 ] /ZMinordiv exch def
X   [ 5     5     2     2     5     5     5    5  ] /ZMajordiv exch def
X[ 0  1     2     4    10    20    50 ] /YRegions exch def
X   [ 0.1  0.2  0.5     1     5    30 ] /YMinordiv exch def
X   [ 5     5     2     6     2     1 ] /YMajordiv exch def
X/minorinc 0 def
X/majorinc 0 def
X
X/Unitradius 3.25 72 mul def     % Radius of rho=1 circle
X                  % (also used for general scaling)
X/Coeffradius 3.375 72 mul def   % Radius of angle circle
X/Waveradius  3.625 72 mul def   % Radius of wavelength circle
X
X%*****  r x RXtoUV v u
X%*
X%*   Converts Z space (r + jx) to gamma space (u + jv)
X%*
X/RXtoUV {
X  /xtmp exch def   /rtmp exch def
X  rtmp rtmp mul xtmp xtmp mul add rtmp 2 mul add 1 add /dtmp exch def
X  rtmp rtmp mul xtmp xtmp mul add 1 sub dtmp div
X  xtmp 2 mul dtmp div
X} def
```

```
X
X%*****  r x  AngR  thetaR
X%*
X%*   Finds the angle of the line from the center of the R=r circle to (r + jx)
X%*
X/AngR {
X  /xa exch def   /ra exch def
X  ra xa RXtoUV
X  exch ra ra 1 add div sub atan
X} def
X
X%***** r x  AngX  thetaX
X%*
X%*   Finds the angle of the line from the center of the X=x circle to (r + jx)
X%*
X/AngX {
X  /xa exch def   /ra exch def
X  ra xa RXtoUV
X  1 xa div sub exch 1 sub atan
X} def
X
X%***** u v radius ang1 ang2  Doarc  -
X%*
X%*   Guess.
X%*
X/Doarc {
X  5 -1 roll Unitradius mul
X  5 -1 roll Unitradius mul
X  5 -1 roll Unitradius mul
X  5 -2 roll
X  arc stroke
X} def
X
X%***** r x1 x2  DrawRarc  -
X%*
X%*   Right again.
X%*
X/DrawRarc {
X  /xx2 exch def  /xx1 exch def  /rr exch def
X
X  rr dup 1 add div /u0 exch def
X  /v0 0 def
X  1 rr 1 add div /radius exch def
X
X  rr xx1 AngR /theta1 exch def
X  rr xx2 AngR /theta2 exch def
X  u0 v0 radius theta1 theta2 Doarc
X} def
X
X%***** x r1 r2  DrawXarc  -
X%*
X%*   Hey!  3 for 3!
X%*
```

```
X/DrawXarc {
X  /rr2 exch def  /rr1 exch def  /xx exch def
X
X  /u0 1 def
X  1 xx div /v0 exch def
X  1 xx div abs /radius exch def
X
X  rr1 xx AngX /theta1 exch def
X  rr2 xx AngX /theta2 exch def
X  u0 v0 radius theta1 theta2 Doarc
X} def
X
X%*****  Doblock
X%*
X%*   Draws a grid block bounded by (r1 + jx1) and (r2 + jx2)
X%*
X/Doblock {
X  /rtics 0 def
X  r1 minorinc add minorinc r2 minorinc 2 div add {
X    /r exch def
X    rtics 1 add dup /rtics exch def
X    majorinc mod 0 eq {0.5 setlinewidth} {0 setlinewidth} ifelse
X    r x2 x1 DrawRarc
X    r x1 neg x2 neg DrawRarc
X  } for
X
X  /xtics 0 def
X  x1 minorinc add minorinc x2 minorinc 2 div add {
X    /x exch def
X    xtics 1 add dup /xtics exch def
X    majorinc mod 0 eq {0.5 setlinewidth} {0 setlinewidth} ifelse
X    x r1 r2 DrawXarc
X    x neg r2 r1 DrawXarc
X  } for
X} def
X
X%***** regions minordiv majordiv  Doimmittance  -
X%*
X%*   Draws the R & X (or G & B) circles
X%*
X/Doimmittance {
X  /Majordiv exch def  /Minordiv exch def  /Regions exch def
X  0 1 Minordiv length 1 sub {/index exch def
X
X    Minordiv index get /minorinc exch def
X    Majordiv index get /majorinc exch def
X
X    0 /r1 exch def                   % wings
X    Regions index 1 add get /r2 exch def
X    Regions index get /x1 exch def
X    Regions index 1 add get /x2 exch def
X    Doblock
X
X    Regions index get /r1 exch def       % trunk
X    Regions index 1 add get /r2 exch def
X    0 /x1 exch def
X    Regions index get /x2 exch def
X    index 7 eq {majorinc 3 def} if  % yukky hack
X    Doblock
X  } for
X
X  0.5 setlinewidth
X  Unitradius neg 0 moveto Unitradius 0 lineto stroke
X  0 0 Unitradius 0 360 arc stroke
X  50 10000 0  DrawRarc
X  50 0 -10000 DrawRarc
X  50 0 10000  DrawXarc
X  -50 10000 0 DrawXarc
X  newpath 0 0 2 0 360 arc
X  currentgray 1 setgray fill setgray 0 setlinewidth
X  0 0 2 0 360 arc stroke
X  0 0 0.25 0 360 arc stroke
X
X} def
X
X%***** x y label  Dorightstring  -
X%*
X%*  Right-justifies "label" and writes it on a white background
X%*
X/Dorightstring {
X  /lab exch def  /yl exch def  /xl exch def
X  lab stringwidth pop /wid exch def
X  newpath  xl yl moveto
X       wid neg 0 rlineto
X           0 5 rlineto
X           wid 0 rlineto
X           0 -5 rlineto
X  closepath currentgray 1 setgray fill
X  xl yl moveto wid neg 1 rmoveto setgray lab show
X} def
X
X%*****  x y label  Doleftstring  -
X%*
X%*   Left-justifies "label" and writes it on a white background
X%*
X/Doleftstring {
X  /lab exch def  /yl exch def  /xl exch def
X  lab stringwidth pop /wid exch def
X  newpath  xl yl moveto
X           wid 0 rlineto
X           0 5 rlineto
X           wid neg 0 rlineto
X           0 -5 rlineto
X  closepath currentgray 1 setgray fill
X  xl yl 1 add moveto setgray lab show
X} def
```

```
X
X%***** -  DoLabels  -
X%*
X%*   Writes all the numbers within the R-X area
X%*
X/DoLabels {
X  1 1 Lvalues length 1 sub { dup
X    Labels exch get /label exch def
X    Lvalues exch get /x exch def
X    0 x RXtoUV exch atan
X    gsave rotate Unitradius 1 sub 1 label Dorightstring grestore
X    0 x neg RXtoUV exch atan 180 add
X    gsave rotate Unitradius 1 sub neg 1 label Doleftstring grestore
X    x 0 RXtoUV pop Unitradius mul neg
X    gsave 90 rotate 1 add 2 exch label Doleftstring grestore
X  } for
X
X  2 2 10 { dup
X    Labels exch get /label exch def
X    Lvalues exch get /x exch def
X    x 1 RXtoUV Unitradius mul exch Unitradius mul exch
X    gsave translate x 1 AngX 180 add rotate
X          1 1 label Doleftstring grestore
X    x -1 RXtoUV Unitradius mul exch Unitradius mul exch
X    gsave translate x -1 AngX rotate
X          -1 1 label Dorightstring grestore
X    1 x RXtoUV Unitradius mul exch Unitradius mul exch
X    gsave translate 1 x AngR rotate
X          -1 1 label Dorightstring grestore
X    1 x neg RXtoUV Unitradius mul exch Unitradius mul exch
X    gsave translate 1 x neg AngR 180 add rotate
X          1 1 label Doleftstring grestore
X  } for
X
X} def
X
X%*
X%*   Draws the R & X (impedance) circles
X%*
X/DoRX {
X  ZRegions ZMinordiv ZMajordiv Doimmittance DoLabels
X} def
X
X%*
X%*   Draws the G & B (admittance) circles in gray
X%*
X/DoGB {
X  gsave
X    currentdash [1 1] 0 setdash
X    180 rotate
X    YRegions YMinordiv YMajordiv Doimmittance DoLabels
X    setdash
X  grestore
```

```
X} def
X
X%*****  string radius radial  Doperp  -
X%*
X%*   Writes "string" centered at the point which is "radial" units, along
X%*   the angle "radial", from the center.
X%*
X/Doperp {
X  gsave rotate 0 translate -90 rotate
X  dup stringwidth pop 2 div neg 0 moveto show grestore
X} def
X
X%*****  angle  FindTCrad  radius
X%*
X%*   A messy hack which finds the distance from the (-1,0) to the
X%*   coefficient angle circle.
X%*
X/FindTCrad {/th exch def
X  th sin Unitradius mul Coeffradius div
X  dup dup mul neg 1 add sqrt div 1 atan
X  180 th sub exch sub sin Coeffradius mul th sin div
X} def
X
X%*****  Docoeffcircle
X%*
X%*   Draws and labels the coefficient angle circle.
X%*
X/Docoeffcircle {
X  0 setlinewidth 0 setgray
X  0 0 Coeffradius 0 360 arc stroke
X  gsave
X  0 2 178 { pop
X    Coeffradius neg 0 moveto -2 0 rlineto stroke
X    Coeffradius 0 moveto 2 0 rlineto stroke
X    2 rotate
X  } for
X  grestore
X  /str 20 string def
X  20 10 170 { dup dup
X    str cvs exch Coeffradius 3 add exch Doperp
X    neg dup str cvs exch Coeffradius 3 add exch Doperp
X  } for
X  (180) Coeffradius 3 add 180 Doperp
X  Symfont (\261) Coeffradius 3 add 181.5 Doperp Helvfont
X
X  gsave Unitradius neg 0 translate
X  90 -1 1 {/thet exch def
X    thet FindTCrad /TCrad exch def
X    gsave thet rotate TCrad 0 moveto -3 0 rlineto stroke
X    thet 10 ge thet 5 mod 0 eq and {
X      TCrad 2 sub -4 moveto thet str cvs
X      dup stringwidth pop neg 0 rmoveto show
X    } if
X    grestore
X    gsave 180 thet sub rotate TCrad neg 0 moveto 3 0 rlineto stroke
X    thet 10 ge thet 5 mod 0 eq and {
X      TCrad neg 1 add -4 moveto thet neg str cvs show
X    } if
X    grestore
X  } for
X  grestore
X  0.5 setlinewidth 0 0 Coeffradius Waveradius add 2 div 0 360 arc stroke
X  0 setlinewidth Coeffradius 3 sub 0 moveto 3 0 rlineto stroke
X} def
X
X%***** Dowavecircle
X%*
X%*   Draws and labels the wavelength circle.
X%*
X/Dowavecircle {
X  /str 20 string def
X  0 setlinewidth 0 setgray
X  0 0 Waveradius 0 360 arc stroke
X  /lstep 180 125 div def
X  1 1 250 {/ix exch def
X    gsave ix lstep mul rotate
X    Waveradius 2 add neg 0 moveto 4 0 rlineto stroke grestore
X    ix 5 mod 0 eq ix 16 gt and {
X      ix 250 eq {0} {ix} ifelse
X      500 div str cvs dup
X      gsave ix lstep mul rotate Waveradius 7 sub neg 0 translate 90 rotate
X      dup stringwidth pop 2 div neg 0 moveto show grestore
X      gsave ix lstep mul neg rotate Waveradius 3 add neg 0 translate 90 rotate
X      dup stringwidth pop 2 div neg 0 moveto show grestore
X    } if
X  } for
X  0.5 setlinewidth
X  0 0 Waveradius dup Coeffradius sub 2 div add 0 360 arc stroke
X  0 setlinewidth
X} def
X
X%*
X%*   The following three procedures were stolen from the Adobe
X%*   "Blue book".  Together, they place a string along an arc.
X%*
X/pi 3.141592654 def
X/findhalfangle {
X  stringwidth pop 2 div 2 xrad mul pi mul div 360 mul
X} def
X/outsideplacechar {
X  /char exch def  /halfangle char findhalfangle def
X  gsave
X    halfangle neg rotate rad 0 translate -90 rotate
X    char stringwidth pop 2 div neg 0 moveto char show
X  grestore
X  halfangle 2 mul neg rotate
```

```
X} def
X%*****  string pointsize centerangle radius  outsidecircletext  -
X/outsidecircletext {
X  /rad exch def  /centerangle exch def
X  /ptsize exch def  /str exch def
X  /xrad rad ptsize 4 div add def
X  gsave
X    centerangle str findhalfangle add rotate
X    str {/charcode exch def ( ) dup 0 charcode put outsideplacechar } forall
X  grestore
X} def
X
X%***** Docircletext
X%*
X%*   Draws all the text which is written along an arc.  What a mess.
X%*
X/Docircletext {
X  (ANGLE OF TRANSMISSION COEFFICIENT IN DEGREES)
X  5 0 Coeffradius 7 sub outsidecircletext
X  (ANGLE OF REFLECTION COEFFICIENT IN DEGREES)
X  5 0 Coeffradius 3 add outsidecircletext
X  (\320> WAVELENGTHS TOWARD GENERATOR \320>)
X  5 166 Waveradius 3 add outsidecircletext
X  (<\320 WAVELENGTHS TOWARD LOAD <\320)
X  5 -166.5 Waveradius 7 sub outsidecircletext
X  /a1 164 def  /u1 a1 cos def  /v1 a1 sin def
X  /a2 108 def  /u2 a2 cos def  /v2 a2 sin def
X  /r Unitradius 0.940 mul def
X  newpath
X    u1 r mul 1 sub v1 r mul 1 sub moveto
X    u1 5 mul v1 5 mul rlineto
X    0 0 r 5 add a1 a2 arcn
X    u2 5 mul neg u2 5 mul neg rlineto
X    0 0 r 1 sub a2 a1 arc
X  closepath currentgray 1 setgray fill setgray
X  (INDUCTIVE REACTANCE COMPONENT \(+jX/Zo\), \
XOR CAPACITIVE SUSCEPTANCE \(+jB/Yo\))
X  5 136 r outsidecircletext
X  gsave 1 -1 scale
X  newpath
X    u1 r mul 1 sub v1 r mul 1 sub moveto
X    u1 5 mul v1 5 mul rlineto
X    0 0 r 5 add a1 a2 arcn
X    u2 5 mul neg u2 5 mul neg rlineto
X    0 0 r 1 sub a2 a1 arc
X  closepath currentgray 1 setgray fill setgray
X  grestore
X  (CAPACITIVE REACTANCE COMPONENT \(-jX/Zo\), \
XOR INDUCTIVE SUSCEPTANCE \(-jB/Yo\))
X  5 -136 r outsidecircletext
X  /u1 Unitradius 0.800 mul neg def
X  (RESISTANCE COMPONENT \(R/Zo\), OR CONDUCTANCE COMPONENT \(G/Yo\))
X  dup stringwidth pop /u2 exch u1 add def
```

```
X  newpath
X    u1 -15 moveto
X    u1 -10  lineto
X    u2 -10  lineto
X    u2 -15 lineto
X  closepath currentgray 1 setgray fill setgray
X  u1 1 add -14 moveto show
X  0 setgray
X} def
X
X%*
X%*   These arrays define most of the nomograph lines.  This was the
X%*   fastest way to grind these out (no, really).  The "...labels" array
X%*   gives the values which should be placed along the axis; the "...divs"
X%*   and "...breaks" define the distance between tics, and where the distance
X%*   changes, respectively.
X%*
X/Swrlabels [1.1 1.2 1.4 1.6 1.8 2 2.5 3 4 5 10 20 40 100] def
X/Swrbreaks [1.05 1.2 3 4 5 10 20 40 100] def
X/Swrdivs   [0.05 0.1 0.2 0.5 1 2 10 60] def
X
X/Dbslabels [1 2 3 4 5 6 8 10 15 20 30 40] def
X/Dbsbreaks [0.5 6 20 30 40] def
X/Dbsdivs   [0.5 1 2 5] def
X
X/Attlabels [1 2 3 4 5 7 10 15] def
X/Attbreaks [0.2 5 10 15] def
X/Attdivs  [0.2 0.5 1] def
X
X/Swllabels [1.1 1.2 1.3 1.4 1.6 1.8 2 3 4 5 10 20] def
X/Swlbreaks [1.02 1.2 1.4 2 3 5 10 20 50] def
X/Swldivs   [0.02 0.05 0.1 0.2 0.5 1 5 30] def
X
X/Rldblabels [0 1 2 3 4 5 6 7 8 9 10 12 14 20 30] def
X/Rldbbreaks [0.2 6 10 20 30] def
X/Rldbdivs   [0.2 0.5 1 2] def
X
X/Rcplabels [0.01 0.05 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1] def
X/Rcpbreaks [0.005 .01 0.1 0.5 1] def
X/Rcpdivs   [0.005 0.01 0.02 0.05] def
X
X/Rfllabels [0.1 0.2 0.4 0.6 0.8 1 1.5 2 3 4 5 6 10 15] def
X/Rflbreaks [0.02 0.1 0.2 2 4 6 10 15] def
X/Rfldivs   [0.02 0.05 0.1 0.2 0.5 1 5] def
X
X/Swplabels [1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2 2.5 3 4 5 10] def
X/Swpbreaks [1.02 1.5 2 3 4 5 10] def
X/Swpdivs   [0.02 0.05 0.1 0.2 0.5 1] def
X
X/Rclabels [0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1] def
X/Rcbreaks [0 1] def
X/Rcdivs   [0.02] def
X
```

```
X/Tcplabels [0.99 0.95 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1 0] def
X/Tcpbreaks [0.05 5 0.9 0.99 0.995] def
X/Tcpdivs   [0.05 0.02 0.01 0.005] def
X
X/Tclabels [1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2] def
X/Tcbreaks [1 2] def
X/Tcdivs   [0.02] def
X
X%*
X%*   The following functions translate the various quantities to the
X%*   corresponding value of rho.
X%*
X/swr-rho {dup 1 sub exch 1 add div} def         % Standing-wave ratio
X/dbs-rho {20 div 10 exch exp swr-rho} def       % 10 log (SWR)
X/att-rho {-10 div 10 exch exp} def         % Attenuation [dB]
X/swl-rho {dup 1 sub exch 1 add div sqrt} def    % Standing-wave loss coeff
X/rldb-rho {-20 div 10 exch exp} def        % Return loss [dB]
X/rcp-rho {0 exch dup 0 ge {exch} if pop sqrt} def % Reflection coeff [dB]
X/tcp-rho {1 sub neg rcp-rho} def           % (Trans. coeff.)^2
X/rfl-rho {-10 div 10 exch exp tcp-rho} def      % Reflection loss (a.k.a.
X                             %   mismatch loss) [dB]
X/swp-rho {dup mul swr-rho} def             % Standing-wave peak
X/tc-rho {1 sub} def                  % A hack :-)
X
X%***** labels brks divs qty-rho lineside direction name  Donomoline  -
X%*
X%*   Does the nomograph line "name" according to "labels", "brks", and
X%*   "divs", on the [left,right] side according to "direction", and on
X%*   the [top/bottom] side according to "lineside".
X%*
X/Donomoline {
X  /name exch def     /direction exch def  /lineside exch def
X  /qty-rho exch def  /divs exch def       /breaks exch def
X  /labels exch def
X
X  /fullscale Unitradius direction mul def
X  /tic 2 lineside mul def
X  0 0 moveto 0 2 rlineto stroke
X  fullscale 0 moveto 0 tic rlineto stroke
X
X  0 1 divs length 1 sub {/ix exch def
X    breaks ix get divs ix get breaks ix 1 add get {
X      qty-rho cvx exec fullscale mul 0 moveto 0 tic rlineto stroke
X    } for
X  } for
X
X  0 1 labels length 1 sub {
X    labels exch get dup qty-rho cvx exec fullscale mul 0 moveto
X    0 lineside 0 gt {3} {-7} ifelse rmoveto
X    str cvs dup stringwidth pop 2 div neg 0 rmoveto show
X  } for
X
X  fullscale 0 moveto 0.05 fullscale mul 0 rlineto stroke
```

```
X  gsave
X    fullscale 1.05 mul 0 translate 45 direction mul rotate
X    0 0 moveto 0.22 fullscale mul 0 lineto stroke
X    lineside 0 gt {3} {-3} ifelse direction mul
X    lineside 0 gt {1} {-5} ifelse moveto
X    direction 0 lt {name stringwidth pop neg 0 rmoveto} if
X    name show
X  grestore
X} def
X
X%*****   -  Donomograph  -
X%*
X%*   Draws all the nomograph scales, taking care of pesky "infinity"
X%*   symbols and other asymmetries.  Very tacky.
X%*
X/Donomograph {
X  0 setlinewidth
X  0 setgray
X  /str 20 string def
X  gsave
X    0 -4.0 72 mul translate
X    0 0 moveto (RADIALLY SCALED PARAMETERS) dup
X      stringwidth pop 2 div neg 0 rmoveto show
X    0.1 Unitradius mul -10 moveto (TOWARD LOAD \320\>) show
X    0.9 Unitradius mul -10 moveto (\<\320 TOWARD GENERATOR)
X      dup stringwidth pop neg 0 rmoveto show
X
X    0 -0.25 72 mul translate
X    0 0 moveto 0 -.5 72 mul lineto stroke
X    Unitradius neg 10 moveto 0 0.65 Unitradius mul rlineto stroke
X    Unitradius 10 moveto 0 0.65 Unitradius mul rlineto stroke
X
X    Unitradius neg 0 moveto Unitradius 0 lineto stroke
X    Swrlabels Swrbreaks Swrdivs (swr-rho) 1 -1 (SWR) Donomoline
X      -4 3 moveto (1) show
X      Symfont Unitradius 3 add neg 3 moveto (\245) show Helvfont
X    Dbslabels Dbsbreaks Dbsdivs (dbs-rho) -1 -1 (dBS) Donomoline
X      -4 -7 moveto (1) show
X      Symfont Unitradius 2 add neg -7 moveto (\245) show Helvfont
X    Attlabels Attbreaks Attdivs (att-rho) 1 1 (ATTEN. [dB]) Donomoline
X    Swllabels Swlbreaks Swldivs (swl-rho) -1 1 (S.W. LOSS COEFF) Donomoline
X      1 -7 moveto (1) show
X      Symfont Unitradius 2 sub -7 moveto (\245) show Helvfont
X
X    0 -0.25 72 mul translate
X    Unitradius neg 0 moveto Unitradius 0 lineto stroke
X    Rldblabels Rldbbreaks Rldbdivs (rldb-rho) 1 -1 (RTN. LOSS [dB]) Donomoline
X      Symfont -4 3 moveto (\245) show Helvfont
X    Rcplabels Rcpbreaks Rcpdivs (rcp-rho) -1 -1 (RFL. COEFF, P) Donomoline
X      -4 -7 moveto (0) show
X    Rfllabels Rflbreaks Rfldivs (rfl-rho) 1 1 (RFL. LOSS [dB]) Donomoline
X      Symfont Unitradius 1 sub 3 moveto (\245) show Helvfont
X      1 3 moveto (0) show
```

```
X    Swplabels Swpbreaks Swpdivs (swp-rho) -1 1 (S.W. PEAK \(CONST. P\))
X      Donomoline
X      1 -7 moveto (0) show
X      Symfont Unitradius 1 sub -7 moveto (\245) show Helvfont
X
X    0 -0.25 72 mul translate
X    Unitradius neg 0 moveto Unitradius 0 lineto stroke
X    Rclabels Rcbreaks Rcdivs () 1 -1 (RFL. COEFF, E or I) Donomoline
X    -4 3 moveto (0) show
X    Tcplabels Tcpbreaks Tcpdivs (tcp-rho) 1 1 (TRANSM. COEFF, P) Donomoline
X    1 3 moveto (1) show
X    newpath 0 0 moveto -2 -3 lineto 2 -3 lineto 2 -3 lineto closepath fill
X    0 -8 moveto (CENTER) dup stringwidth pop 2 div neg 0 rmoveto show
X
X    0 -0.25 72 mul translate
X    Unitradius neg 0 moveto Unitradius 0 lineto stroke
X    Tclabels Tcbreaks Tcdivs (tc-rho) 1 1 (TRANSM. COEFF, E or I) Donomoline
X    Unitradius neg 0 translate
X    0 2 98 {
X      dup Unitradius mul 0.01 mul dup 0 moveto 0 2 rlineto stroke
X      exch dup 10 mod 0 eq
X        {exch 3 moveto .01 mul str cvs dup
X         stringwidth pop 2 div neg 0 rmoveto show}
X        {pop pop}
X      ifelse
X    } for
X    newpath 0 0 moveto -2 -3 lineto 2 -3 lineto closepath fill
X    0 -8 moveto (ORIGIN) dup stringwidth pop 2 div neg 0 rmoveto show
X
X  grestore
X} def
X
X%***** Pointarray Zo  Dodots  -
X%*
X%*   Dodots plots specific points on the chart.  The points are supplied
X%*   as triads of unnormalized resistance, unnormalized reactance, and
X%*   a string label to be associated with the point.  The system impedance
X%*   is given by Zo.
X%*
X/Dodots {
X  /znaught exch def  /pointarray exch def
X  pointarray length 3 mod 0 eq {
X    0 3 pointarray length 3 sub { /ix exch def
X      pointarray ix get znaught div
X      pointarray ix 1 add get znaught div
X      RXtoUV Unitradius mul exch Unitradius mul exch 2 copy moveto
X      2 copy 3 0 360 arc currentgray 0 setgray fill setgray
X      moveto 4 -3 rmoveto
X      currentfont
X        /Helvetica-Bold findfont 8 scalefont setfont
X        pointarray ix 2 add get show
X      setfont
X    } for
X  } if
X} def
X
X%*****  title subtitle param1 ... param6  Dotitles  -
X%*
X%*  Prints nice titles at the top of the page.
X%*
X/Dotitles {
X  /fontstash currentfont def
X    /Helvetica findfont 10 scalefont setfont
X    1.5 72 mul 3.6 72 mul moveto show
X    1.5 72 mul 3.74 72 mul moveto show
X    1.5 72 mul 3.88 72 mul moveto show
X    -3.5 72 mul 3.6 72 mul moveto show
X    -3.5 72 mul 3.74 72 mul moveto show
X    -3.5 72 mul 3.88 72 mul moveto show
X    /Helvetica findfont 14 scalefont setfont
X    0 4.1 72 mul moveto dup stringwidth pop 2 div neg 0 rmoveto show
X    /Helvetica-Bold findfont 16 scalefont setfont
X    0 4.4 72 mul moveto dup stringwidth pop 2 div neg 0 rmoveto show
X  fontstash setfont
X} def
X
X
X%DoGB
XDoRX
XDocoeffcircle
XDowavecircle
XDocircletext
XDonomograph
X
X(A Complete Smith Chart)
X(Courtesy of WA3VPZ)
X(Parameter #1)
X(Parameter #2)
X(Parameter #3)
X(Parameter #4)
X(Parameter #5)
X(Parameter #6)
XDotitles
X
X[50 -5 (100 MHz)  35 -7 (200 MHz)
X 25 5 (300 MHz) 20 20 (400 MHz)] 50 Dodots
X
X/#copies 1 def
Xshowpage
E*O*F_smith.ps
Marshall Jose  WA3VPZ
mjj%stda@aplcen.apl.jhu.edu  ||  ...mimsy!aplcen!aplvax!mjj


From -5524749843747193324
X-Google-Language: ENGLISH,ASCII-7-bit
```

X-Google-Thread: 10c9e3,1029c116b680ef93,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 19:49:42 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!rutgers!ucsd!ucbvax!lynx.northeastern.edu!sehrlich
From: sehrlich@lynx.northeastern.edu
Newsgroups: rec.ham-radio
Subject: Advanced class
Message-ID: <memo.664696@lynx.northeastern.edu>
Date: 9 Jan 91 14:59:06 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18

I recently passed the theory exam for the General class license, but was a little too nervous for the General code. So, in the meantime, while waiting for the next testing session in my area, I am planning on studying for the Advanced class exam. First, my situation. The radio club at Northeastern University, which I am a part of, has a copy of the 2nd Edition ARRL Advanced class license manual. Now, the manual says that it should not be used to study for exams given after October 1990 because of question pool changes to the exam. My question to anyone who can help is, are the changes to the question pool so great that I would need to purchase the 3rd edition from the ARRL for the updated questions, or could those people who are part of this journal supply me with the changes made to the question pool? I do not want to sound greedy or ungreatful when asking the question in this way. I am just wondering what I shoulld do.
Please send all comments directly to sehrlich@lynx.northeastern.edu
Thank you for any help you can offer.

73s de KA1WNU
:-)

From -2125893549187508121
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64ebb1df5ba2dda2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 19:50:09 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!news.cs.indiana.edu!msi.umn.edu!noc.MR.NET!uc!nachos.SSESCO.com!elmquist
From: elmquist@nachos.SSESCO.com (Chris Elmquist)
Newsgroups: rec.ham-radio
Subject: Re: Non-acidic RTV
Message-ID: <301@nachos.SSESCO.com>
Date: 9 Jan 91 14:35:32 GMT
References: <07.Jan.91.14:07:15.GMT.#7519@UK.AC.NWL.IA> <299@nachos.SSESCO.com> <301@bongo.UUCP>
Organization: SSESCO Inc., Minneapolis, MN
Lines: 13
Posted: Wed Jan 9 08:35:32 1991

Someone e-mailed me and mentioned that he has found non-acidic RTV

at ACE Hardware. Others have suggested gasket compounds from your
local auto-parts store.

I have a tube of Dow Corning RTV 732 here in my hand.. but it
sure smells like vinegar. Perhaps the secret lies in the last
digit...

--
Chris Elmquist, N0JCF
Internet: elmquist@SSESCO.com
   AMPRN: N0JCF@WB0GDB.MN.USA.NA
 BellNet: (612) 785-3516

From -6228798885368717791
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,218c7722ed3a75ad
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 19:51:01 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!
dsinc!netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: Visa Merchant agreement???
Message-ID: <225@platypus.uofs.edu>
Date: 9 Jan 91 16:18:17 GMT
References: <9101090920.aa00802@crdec7.apgea.army.mil>
Organization: University of Scranton, Scranton, PA
Lines: 22

In article <9101090920.aa00802@crdec7.apgea.army.mil>,
wejones@CRDEC7.APGEA.ARMY.MIL (Bill Jones) writes:
>
>   I too am very interested in this if it exists. I have always
> refused to give Radio Shack my name......, and have been refused
> service on credit cards and checks, but never on cash.

How can you expect anyone to accept a credit card if you refuse to give
them your name (which is printed on every card I have in my wallet)??
Are they supposed to trust you?? How do they know it isn't a stolen or
lost card?? Have you seen the book of bogus cards?? It makes the phone
book look like light reading. I am surprised most places don't ask for
some form of picture ID when using a credit card, but I certainly wouldn't
consider asking for your name to be unreasonable.

bill   KB3YV

--

     Bill Gunshannon | If this statement wasn't here,
     bill@platypus.uofs.edu | This space would be left intentionally blank

From 7772592957712062347
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84b11ff9dc1f130f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 19:52:04 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!RITVM.BITNET!MJK2660
From: MJK2660@RITVM.BITNET (Mike Koziol)
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V91 #34
Message-ID: <9101091527.AA28180@ucsd.edu>
Date: 9 Jan 91 15:18:16 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10

I don't know about the VISA merchants agreement. In New York State it is illegal for a merchant to require an address or a phone number for a credit card transaction. The reasoning behind this is because the credit card company already has that information and it is not necessary for the merchant to collect it. Also it is illegal for a merchant to write your credit card number on a personal check when you use one. This is to cut down on the possibility of everyone who handles your check having access to your credit card number.

From -2830170566095850527
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8c97c4573fc472f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 19:52:29 PST
Path: gmdzi!unido!mcsun!uunet!infonode!ingr!
From: youngwa@b8.INGR.COM (Butch Young)
Newsgroups: rec.ham-radio
Subject: Re: Please help me locate N4WMT
Summary: N4WMT FOUND!
Message-ID: <488@b8.INGR.COM>
Date: 9 Jan 91 14:58:34 GMT
References: <".8-Jan-91..8:27:53.PST".*.Hugh_E._Wells.El_Segundo@Xerox.com>
Organization: Intergraph Corporation Huntsville, AL
Lines: 21
th: b8!youngwa

In article <".8-Jan-91..8:27:53.PST".*.Hugh_E._Wells.El_Segundo@Xerox.com>, Hugh_E._Wells.El_Segundo@XEROX.COM writes:
>
> I'm in need of the U.S. Mail address for William Young, N4WMT. My E-mail
> bounces and I do not have access to a current call book.
> Hugh Wells

> W6WTU

Hello Hugh,
This is N4WMT, William Young. I got your e-mail with your info before X-mas,
but never got around to a reply. In event, my address follows:
William A. Young
P.O. Box 575
Rogersville, Al 35652

Sorry my tardiness resulted in your having to post another msg. CUL 73's!
Butch
--
```
#   William A. Young (Butch),   N4WMT                                        #
#   Intergraph Corporation                      Telephone (205) 730-4410    #
#   Mail Stop CR086  Building 8                 7:30am-4:15pm (0730-1615)   #
#   Huntsville, AL  35894-0001                                               #
```

From 3325862482900777829
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0e6dc9401b3107d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f8fcc,62e3c9824d85774d
X-Google-Attributes: gidf8fcc,public
X-Google-ArrivalTime: 1991-01-09 19:58:51 PST
Path: gmdzi!unido!mcsun!uunet!aurs01!gingell
From: gingell@aurs01.UUCP (Mike Gingell)
Newsgroups: comp.dsp,rec.ham-radio
Subject: Re: DSP boards for PCs
Summary: Heres an external one
Message-ID: <59419@aurs01.UUCP>
Date: 9 Jan 91 14:37:07 GMT
References: <18732@shlump.nac.dec.com> <10069@pasteur.Berkeley.EDU>
Sender: news@aurs01.UUCP
Reply-To: gingell@aurw90.UUCP (Mike Gingell)
Organization: Alcatel Network Systems, Raleigh NC
Lines: 15
Xref: gmdzi comp.dsp:1027 rec.ham-radio:19021

Although not an internal DSP board for a PC there is a very interesting unit available from L L Grace. It looks and functions like an external modem to a PC but it contains a Motorola DSP56000 and a V40 coprocessor with 1 Meg of memory. It has programmable A/D and D/A with variable pre and post filters allowing sample rates up to 100 kHz. It also has three separate slelectable analog I/O channels and comes with algorithms built in for packet radio (300-9600 baud), CW (morse code), RTTY plus more to come in free upgrades (such as WEFAX, NAVTEX, AMTOR, SITOR, SSTV). They have an "open programming architecture" which means the user can add their own code. Base price is $595.

I have no vested interested in the company except as a potential user.
I have ordered one and will report on results when I get it going.

Mike Gingell   aurs01!aurw90!gingell@mcnc.org

From -6525303248601995069
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 19:59:17 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <15485@crdgw1.crd.ge.com>
Date: 9 Jan 91 15:51:12 GMT
References: <19917.799.7009@canrem.uucp> <837@wells.UUCP>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 19
In-reply-to: k3tx@wells.UUCP (Dave Heller)

In article <837@wells.UUCP>, k3tx@wells (Dave Heller) writes:

>--How do I find out how a resistor ;is good or bad?

>-- Check ;it with an ohmmeter.

>--- "What's an ohmmeter?"

>The asker held a General license!

The classic question when I took my exam way back when was which
meter to use in measuring electrical potential. Two of the
choices were voltmeter and potentiometer.

Figuring which was correct is left as an exercise for the reader.

Don Perley - ke2tp

perley@trub.crd.ge.com

From -8301636094338197735
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea5c6ad8072235f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 19:59:25 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: DSP for the non-EE
Message-ID: <47898@apple.Apple.COM>
Date: 9 Jan 91 16:59:21 GMT

References: <4520@lib.tmc.edu> <1250321@hpnmdla.HP.COM> <2278@esunix.UUCP>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 61

datwyler@esunix.UUCP (Doug Datwyler) writes:

>Some are texts, some are applications notes. These are some of my
>favorites.

>PC-DSP, by Otkay Alkin, Prentice-Hall, ISBN# 0-13-654450-9,
>...
>Digital Signal Processing in VLSI, by Richard J. Higgins,
>...
>Discrete Time Signal Processing, by Alan V. Oppenheim and Ronald
>W. Schafer, Prentice-Hall, ISBN# 0-13-216292-X, also special
>...
>TI has three applications books, available for a phone call at
>(800) 336-5236, extension 3528. Some of the math is discussed,
>...
>Motorola has also published some applications notes, pointed at
>their DSP56000 series processors. Our local rep provided a set to

If your interests are in real-world digital filtering I would also recommend

Maurice Bellanger, "Digital Processing of Signals - Theory
and Practice," 2nd Edition, Wiley-Interscience, Chichester;
1989. ISBN 0-471-92101-7.

This is a translation from Bellanger's original work in French. The chapter on "Applications in Telecommunications," for example, consists of the following sections:

Advantages and limitations of digital techniques.
Frequency detection.
Multifrequency Receivers.
PCM time division multiplexing.
Adaptive differential PCM (ADPCM).
Frequency-division multiplexing.
Speech synthesizer.
Data modems.
Echo cancellation.
Television image processing.
Processing parameters in Telecommunications.

Whet your appetite sufficiently? It goes beyond the classwork stuff that is found in Rabiner, Gold, Shafer and Oppenheim (find all permutation pairs of these 4 names and you come up with the more popular books that may or not bore you to death). Actually, Rabiner has a book he coauthored with Crochiere called something like "Multirate Digital Filtering" that is also very interesting if you are intersetd in bandpass banks. Bellanger addresses that topic too but not in as such great detail.

Bellanger starts with Fourier analysis, convolutions,z-transforms and all that basic stuff too; even though it is terser than the standard course work introductions, it should be sufficient as an introduction for the mathematically mature.

Have fun!

73,

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

```
From -4715468185867427355
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,35171b53d6c9f0ca,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 20:00:28 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!caen!kuhub.cc.ukans.edu!
heacock
From: heacock@kuhub.cc.ukans.edu (Doug Heacock)
Newsgroups: rec.ham-radio
Subject: Rank beginner seeks advice
Message-ID: <27768.278ae3bb@kuhub.cc.ukans.edu>
Date: 9 Jan 91 15:34:51 GMT
Organization: University of Kansas Academic Computing Services
Lines: 16
```

My dad was a ham some 30 years ago (before I was eight I had already spent many hours leaning over his shoulder as he assembled various components--I grew to love the smell of soldering), and I'm interested in getting started. I know a little about electronics and I've built some audio stuff, and I'm willing to learn Morse code. I want to start simple, and I really want to build my own gear, if possible. Can anyone here point me in the "right" direction? What do I need for a first rig? Where can I get the schematics, plans, etc.?

Thanks for your suggestions--in the meantime, I'm going to build a code-practice oscillator and start learning dits and dahs...

```
+===========================================+============================+
| Doug Heacock, Academic Computing Services | heacock@kuhub.cc.ukans.edu |
| The University of Kansas, Lawrence, KS    | heacock@ukanvax.bitnet     |
+===========================================+============================+
```

```
From -5075746014491934817
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 20:20:10 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
```

From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <762@ssc.UUCP>
Date: 10 Jan 91 04:20:10 GMT
References: <19917.799.7009@canrem.uucp> <837@wells.UUCP>
<1991Jan8.184642.19354@athena.cs.uga.edu>
Organization: SSC, Inc., Seattle, WA
Lines: 20

In article <1991Jan8.184642.19354@athena.cs.uga.edu>, mcovingt@athena.cs.uga.edu
(Michael A. Covington) writes:
> I wonder if a super-simple homebrew 2-meter transmitter might be feasible.
>
> Motivation: Many new hams already have a receiver (a scanner) but no
> transmitter, and would like to talk on the local repeater.
>
> Approach: Get a scanner crystal that is designed for 10.7 MHz above ...

What about a phase locked loop. With something like a MC145152, and
a prescaler you should be able to get any frequency in 2 meters with
3 to 5 ICS and a transistor or three.

The problem I see, in this electronic age, is getting the test equipment
necessary to insure you aren't jamming police calls or the like.

What would be the best set of instruments to use when homebrewing in
6 meters and up? Would one of those TV tuner derived spectrum monitors
be more than a waste of money?

markz@ssc.uucp

From 6384348678707768010
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64ebb1df5ba2dda2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 21:01:53 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cica!bronze!commgrp@silver.ucs.indiana.edu
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: Non-acidic RTV
Message-ID: <1991Jan10.150208.14633@bronze.ucs.indiana.edu>
Date: 10 Jan 91 05:01:53 GMT
Sender: daemon@bronze.ucs.indiana.edu (Mr Background)
Organization: Indiana University
Lines: 14

>I bought some today at ACE Hardware. It's "Permatex" brand
>and the type is "Ultra-Blue"...it's labelled "non-corrosive".
>...and it's GUARANTEED not to leak :-)!!
>--

>Monte Bateman WB5RZX @ WB5RZX bateman @ nsslsun.gcn.uoknor.edu
>National Severe Storms Laboratory, Norman, OK! 73069

Very good stuff! Permatex also has red and pink varieties, available
at auto-parts stores. I don't know if all are non-acidic. The blue
gasket-sealer is called "elephant snot" in the car-repair trade.

--

Frank   W9MKV   reid@ucs.indiana.edu

From -295686926800683205
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64ebb1df5ba2dda2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 21:05:01 PST
Path: gmdzi!unido!mcsun!uunet!samsung!news.cs.indiana.edu!msi.umn.edu!cs.umn.edu!
sialis!orbit!pnet51!hca
From: hca@pnet51.orb.mn.org (H. Atlas)
Newsgroups: rec.ham-radio
Subject: Non-acidic RTV
Message-ID: <3779@orbit.cts.com>
Date: 10 Jan 91 05:05:01 GMT
Sender: root@orbit.cts.com
Organization: People-Net [pnet51], Minneapolis, MN.
Lines: 19

Non-acidic RTV is made by Dow-Corning, and I would also assume Dupont
makes it. It may be called "electrical coating," with features including
RTV rubber/silicone, and non-acidic or non-corrosive.

Non-acidic RTV is the ONLY type that should be used with any type of antenna.
Standard RTV with an acidic curing agent will corrode metallic connections.

Non-acidic RTV may be available through an electrical contractor supply
store. If all else fails write a letter to Dow-Corning and ask who
distributes non-acidic RTV.

Good luck!

Howard Atlas

UUCP: {amdahl!bungia, crash}!orbit!pnet51!hca
ARPA: crash!orbit!pnet51!hca@nosc.mil
INET: hca@pnet51.orb.mn.org

From 1944371683736642466
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b3a1d057e61a6f79,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1991-01-09 21:05:08 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!uwm.edu!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!apple.com!winter
From: winter@apple.com (Patty Winter)
Newsgroups: rec.ham-radio
Subject: SAREX post-flight report from AMSAT (long)
Keywords: SAREX, AMSAT, STS-35
Message-ID: <47939@apple.Apple.COM>
Date: 10 Jan 91 05:05:08 GMT
Sender: winter@Apple.COM
Organization: Apple Computer Inc, Cupertino, CA
Lines: 206
Posted: Wed Jan 9 23:05:08 1991

I received this report (and two others I'll also post) from AMSAT a couple of weeks ago. I thought they'd be showing up in Gary Sanders' postings, but he informs me that his AMSAT feed was unreliable during the holidays and he missed them. So I'm posting them now.

The first report (included in this posting) is a summary of the SAREX operations on the STS-35 mission. The other two reports list the stations heard and worked by the SAREX packet robot. I have the feeling that many people who don't normally pay much attention to packet radio--and thus don't read r.h-r.p--attempted a SAREX contact, so I'm posting these to the main r.h-r group instead.

Patty

SB SAREX@AMSAT < W3IWI $SAREXRPT.001
SAREX ROBOT Report (part 1 of 4)
R:901222/2225z 26139@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

This report is broken into several pieces because of its length. It represents my personal analysis of the SAREX mission logs plus my personal interpretation. It is not intended as an "official" proclamation of the SAREX project which included AMSAT, the ARRL, the NASA/JSC Amateur Radio Club (W5RRR), and especially Ron Parise, WA4SIR as major partners.

Ron and the JSC group have provided me with copies of the flight logs and W3IWI has served as the repository for data received from amateurs all around the world. It is from that data that this information has been gleaned.
Tom Clark, W3IWI   December 21, 1990
----

1. Introduction
The SAREX @ AMSAT bulletins which are being distributed as a part of this series list of the 238 stations who had complete, full 2-way QSO's with the

WA4SIR packet ROBOT during the recent STS-35 SAREX shuttle mission.

To appear in this list, these stations managed to exchange two packet frames with the shuttle following the protocol defined before the STS-35 mission:

a. The user on the ground sends a connect frame to the shuttle ROBOT TNC. This contains information not previously known by the ROBOT, namely the user's call.

b. The ROBOT acknowledges (a.) by establishing a connection and sending a packet with a unique QSO serial number to the user. Mid-mission the ROBOT's RETRY parameter (which governed the number of times that this step was attempted) was decreased to 3 from 10 to provide a better balance between the time the ROBOT was transmitting and receiving.

c. The user's sends an ACK acknowledging the receipt of (b.) in response to the ROBOT.

d. On receipt of the ACK the ROBOT puts QSO into its "worked" log (providing that the station has never been worked before) and then sends a disconnect. It is not necessary for the user to receive the disconnect frame and acknowledge it.

This protocol was designed to adhere to normal accepted amateur practice: A full QSO requires unknown information to be transmitted and acknowledged in both directions.

Continued in Part 2
/EX
SB SAREX@AMSAT < W3IWI $SAREXRPT.002
SAREX ROBOT Report (part 2 of 4)
R:901222/2225z 26140@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

2. Some analysis and observations:
The 238 stations in 27 countries who completed full packet QSOs with the ROBOT can very proud of their achievement. The rough geographic distribution of QSOs (assuming that call prefixes denote location) is

60 = Mainland USA
39 = Japan
31 = South Africa/Zimbabwe
31 = Australia
26 = Caribbean/Mexico
23 = South America
12 = Hawaii
 8 = Other Asia/Oceania
 8 = Other (Israel, Canary Isl, etc.)

This list clearly shows that "DX" stations had an easier time in making a QSO than people in populated areas! I spent quite a bit of time on the phone with Ron this week discussing his observations and he made several comments that I thought was particularly informative:

a. Just as soon as a major land-mass (especially the USA) came into view, the lights on the TNC lit up like a Christmas tree!

b. The sounds coming from the speaker were a mass of noise under these conditions.

c. On scheduled voice contacts (on un-advertised, supposedly QRM-free frequencies), stations like W5RRR were full quieting but sounded unintelligible until the shuttle was overhead, just as if the station were about 5 kHz off frequency.

A few of my own observations on performance:

d. The QRM level at STS-35 had to be fierce over the USA. A quick count of the MD/DC/VA stations trying for QSOs during passes were 50-100. Assuming that we could hear only about 5% of the footprint area directly, the total number of stations bombarding the shuttle had to be over 1000!

e. The new antenna that mounted in either the Pilot or Commander's window was more directive than I had anticipated and downlink signals were often weak. This was compounded by the fact that the ASTRO mission required the shuttle to fly with the payload bay doors pointed away from the earth.

Continued in Part 3

```
/EX
SB  SAREX@AMSAT < W3IWI  $SAREXRPT.003
SAREX ROBOT Report (part 3 of 4)
R:901222/2225z 26141@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]
```

2. Some analysis and observations (continued):
Common experience with FM radios indicates that the capture effect will allow a station 1 or 2 dB stronger than another to "win". But if many stations are all trying, they raise the aggregate noise level and the "winner" must be 1-2 dB stronger than the TOTAL of everyone else. If 1000 equal stations are in the passband, then the "winner" must have about 30 dB of margin!

The range of distances for stations in range of STS-35 varied from 2100 km (on the horizon) to 350 km (for those directly underneath the shuttle); this 6:1 range of distances implies a 15 dB advantage for stations at latitudes below 28 degrees (the STS-35 inclination).

Ron's comment (c) shows that the combination of Doppler shift, transmitter audio deviation, and receiver bandwidth caused many signals to be off frequency. We had warned all stations to cut their transmitter's deviation below 3 kHz, but I imagine that many (including W5RRR) did not heed the warning.

Combining these thoughts, it is not surprising that "DX" stations in areas with relatively low activity and stations at low latitude had a significant advantage.

During the mission, 1711 QSO serial numbers were sent out, yielding a 238/1711 = 13.9% "hit" rate. The missing numbers result from stations who didn't meet the criteria for a full "Gold Star in the Record Book" QSO and from those who may have had more than one QSO. Those associated with the project that I have spoken to are elated with elated that it was this successful!

3. How did everyone else fare?
Since the mission many nay-sayers point not to the 13.9% (one in seven) success rate but instead bemoan the six-of-seven as a failure.

Many other stations managed to be heard by the ROBOT and saw their QSO number being sent (step (b.) in item 1), but failed to have their ACK heard (step (c.) by the ROBOT. Although they didn't qualify for a "Gold Star", it had always been our intent to have a "Silver Star" award for them too.

Continued in Part 4
/EX
SB SAREX@AMSAT < W3IWI $SAREXRPT.004
SAREX ROBOT Report (part 4 of 4)
R:901222/2225z 26142@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

3. How did everyone else fare (continued)?
The configuration of the ROBOT TNC only permitted us to permanently save the "Gold Star" QSO's on board. The list of stations that were heard, but which did not meet the full "Gold Star" criteria were transmitted to the ground in the "QRZ" beacon which looked like

```
     07-Dec-90  11:57:17  WA4SIR*>QRZ <UI>:
     #1088-AH6GR AH6IX JA9IHI JJ6AGK JH2NIT JJ6AGN JR5EBL JJ6AGM .....
```

Each of these beacons had a serial number (#1088 in this case) followed calls of the 35 most recently heard stations; since this list was maintained separately from the "Gold Star" worked list, it also included the calls of the successful stations.

In all of the pre-launch publicity we told people that we needed to have this information submitted so that everyone else could also receive their "Silver Star" award and that any QRZ beacons logged (including a UTC time stamp) should be sent in to let us to develop the complete logs.

So far the QRZ beacons submitted (including some which Ron captured in real time during the mission) only fill about half the time during the mission. Many people will be disappointed in not receiving their "Silver Star" QSL card unless we receive some more data! Send any QRZ beacons you may have captured as a packet message addressed to

SAREX@W3IWI.MD.USA

or by SMTP Internet mail to

       sarex@tomcat.gsfc.nasa.gov

The next 5 messages in this series list the lucky 238 "Gold Star" QSOs.
Congratulations to all of the successful stations.

73 de Tom, W3IWI
/EX

```
From 1356111772546818014
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1029c116b680ef93
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 21:07:11 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!
wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: Advanced class
Summary: re advanced or other exams
Message-ID: <867@wells.UUCP>
Date: 10 Jan 91 05:07:11 GMT
References: <memo.664696@lynx.northeastern.edu>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 27
```

KA1WNU asks if he can study from a slighly expired manual.

Depends on what he wants.

If he plans to memorize every question possible and get by
as many do strictly by memory without knowing or learning
much of anything, by all means be sure to have a most up to date
book.

The basic theory hasn't changed much over the years. Thus if
a testee knows the basic part 97 regs and the generalized
theory any manual will give the general outline of the test,
regardless of the element.

When I took the tests (G, X; there was no advanced back then)
the question pool was not public; I studied no
questions as such, but just knew the generalized theory and
from reading part 97 knew the rules; had no problem passing.

The code was a different story --- it gave me *trouble*.
]
In spite of that I now stick mostly to CW. By choice.

73

K3TX

```
From -5942846230887860445
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,51e9742df8ab4949,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 21:07:51 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!apple.com!winter
From: winter@apple.com (Patty Winter)
Newsgroups: rec.ham-radio
Subject: SAREX robot two-way QSOs (long)
Keywords: SAREX, packet, two-way QSOs
Message-ID: <47940@apple.Apple.COM>
Date: 10 Jan 91 05:07:51 GMT
Sender: winter@Apple.COM
Organization: Apple Computer Inc, Cupertino, CA
Lines: 296
```

[Please see my "SAREX Report" posting for a general introduction
to these three postings.]

```
SB  SAREX@AMSAT < W3IWI  $SAREXRPT.005
238 SAREX ROBOT QSOs (Dec.3)
R:901222/2232z 26160@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]
```

Without further adieu, here is the complete list of the 238 "Gold Star"
QSOs. In this table, the Date/Time are in UTC as maintained by the clock
in the ROBOT TNC and the Grid Laptop carried on the shuttle. The MET column
is Mission Elapsed Time in Hours.

```
 LOGGED UTC   =MET  QSO
 DATE  HH:MM  HH.H  ###  CALL
 ----  -- -- -----  --- ------
03-Dec  4:11  21.4    1 WP4XQ   **** CONGRATULATIONS FOR QSO #1 !!!!
03-Dec  5:00  22.2    5 VK5ZAH
03-Dec  5:01  22.2    6 VK3DBO
03-Dec  5:02  22.2    7 VK5AGR
03-Dec  5:03  22.2    9 VK3ZBB
03-Dec  5:05  22.3   11 VK2ZW
03-Dec  5:43  22.9   35 W2DTC
03-Dec  5:47  23.0   40 NZ3F
03-Dec  6:31  23.7   48 VK6MJ
03-Dec  6:33  23.7   49 VK6YJS
03-Dec  6:35  23.8   52 VK5ZK
03-Dec  6:42  23.9   54 VK4ZF
03-Dec  7:48  25.0   55 ZS6IT
03-Dec  8:35  25.8   59 AH6IX
03-Dec  8:36  25.8   61 NH6OU
03-Dec  8:37  25.8   65 KH6H
```

```
03-Dec  8:43  25.9   67 WB6LLO
03-Dec  8:42  25.9   68 N6JLS
03-Dec  8:42  25.9   69 N6KN
03-Dec  8:43  25.9   70 KJ6AW
03-Dec  8:43  25.9   71 N6WHO
03-Dec  8:43  25.9   72 NK6K
03-Dec  8:51  26.0   94 KA5SIG
03-Dec  9:26  26.6  112 ZS6BBY
03-Dec 10:18  27.5  117 N6ZAY
03-Dec 11:04  28.3  160 ZS6HS
03-Dec 11:59  29.2  174 WA6LIE
03-Dec 12:01  29.2  177 KE7NR
03-Dec 12:01  29.2  178 N6RVC
03-Dec 12:01  29.2  180 WA5PIE
03-Dec 12:06  29.3  185 XE3EB
03-Dec 12:39  29.8  191 ZS6AKV
03-Dec 12:40  29.9  194 ZS6BMN
03-Dec 12:42  29.9  195 3DA0AY
03-Dec 13:04  30.3  199 VS6VU
03-Dec 13:12  30.4  201 JH7CKF
03-Dec 13:14  30.4  204 JH3EXG
03-Dec 13:50  31.0  209 OA4CK
03-Dec 14:48  32.0  213 JH3FDA
03-Dec 14:48  32.0  216 JP3QJJ
03-Dec 14:50  32.0  218 JA1YZM
03-Dec 14:52  32.1  220 JS1ANG
03-Dec 15:33  32.7  226 LU8DYF
03-Dec 15:55  33.1  231 ZS6CA

/EX
SB  SAREX@AMSAT < W3IWI  $SAREXRPT.006
238 SAREX ROBOT QSOs (Dec.4/5)
R:901222/2232z 26161@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

 LOGGED UTC   =MET  QSO
 DATE  HH:MM  HH.H  ###  CALL
 ----  -- -- -----  --- ------
04-Dec  3:52  45.1  247 VK3DTO
04-Dec  4:23  45.6  258 N6UEA
04-Dec  4:24  45.6  268 W7US
04-Dec  4:27  45.6  273 N5LCO
04-Dec  5:29  46.7  295 VK2RX
04-Dec  5:29  46.7  296 VK2BXQ
04-Dec  6:57  48.1  305 VK6LI
04-Dec  6:59  48.2  310 VK6YBP
04-Dec  7:03  48.2  314 VK5AKK
04-Dec  7:08  48.3  316 VK4AGL
04-Dec  7:39  48.8  347 W5BKK
04-Dec  7:47  49.0  364 WP4CNU
04-Dec  7:49  49.0  365 8P6SM
04-Dec  8:46  50.0  371 KG6DX
04-Dec  8:49  50.0  372 KH2D
04-Dec  9:02  50.2  377 KH6GPI
```

```
04-Dec  9:03  50.2  379 WA6EMV
04-Dec  9:20  50.5  412 XF3RC
04-Dec 10:23  51.6  429 W1YRM
04-Dec 10:24  51.6  430 N3EMA
04-Dec 10:52  52.1  445 N5BCA
04-Dec 10:52  52.1  448 N5ITU
04-Dec 11:03  52.2  463 YV1CP
04-Dec 11:27  52.6  467 ZS1CA
04-Dec 11:28  52.7  469 ZS4BU
04-Dec 11:58  53.2  481 KH2A
04-Dec 12:01  53.2  484 JR1AHQ
04-Dec 13:07  54.3  497 ZS6BTD
04-Dec 13:07  54.3  499 ZS6AQF
04-Dec 13:35  54.8  507 JR3FRF
04-Dec 14:16  55.5  522 OA4AGM
04-Dec 15:12  56.4  530 JA9TQK
04-Dec 15:14  56.4  534 JH1OMA

05-Dec  3:35  68.8  546 EA8BRV
05-Dec  4:10  69.4  549 VK6ZZ
05-Dec  4:11  69.4  550 VK6DM
05-Dec  4:11  69.4  552 VK6VX
05-Dec  4:16  69.5  555 VK5ZTY
05-Dec  4:16  69.5  559 VK3EEE
05-Dec  7:48  73.0  579 WY0H
05-Dec  7:49  73.0  580 WH6AMX
05-Dec  8:06  73.3  613 N8DEU
05-Dec  8:08  73.3  616 XF3R
05-Dec  8:08  73.3  620 XF3RD
05-Dec  8:15  73.4  630 9Y4DG
05-Dec  8:40  73.9  635 ZS5NZ
05-Dec  9:25  74.6  639 AH6IO
05-Dec  9:32  74.7  648 WA6YFD
05-Dec  9:34  74.8  651 K6OYY
05-Dec  9:37  74.8  658 KA6UCD
05-Dec  9:40  74.9  666 KC5FP
05-Dec  9:42  74.9  667 N5QWC
05-Dec  9:43  74.9  675 XF3OZ
05-Dec  9:44  74.9  676 XE1MMD
05-Dec  9:45  74.9  679 XE1LM
05-Dec 11:29  76.7  709 OA4HV
05-Dec 11:34  76.8  711 PY2GN
05-Dec 11:35  76.8  712 PY2MSG
05-Dec 11:36  76.8  713 PY2EXD
05-Dec 11:52  77.1  718 ZS6AQC
05-Dec 12:00  77.2  725 FR4FM
05-Dec 12:23  77.6  726 JR4BRS
05-Dec 12:25  77.6  729 JH1LVN
05-Dec 14:01  79.2  741 JA4BLC
05-Dec 14:02  79.2  743 JA2BGX
05-Dec 14:03  79.2  748 JJ1WTK
05-Dec 14:04  79.3  750 JR1RBR
05-Dec 15:37  80.8  760 JA2UGV
```

```
05-Dec 15:37  80.8  762 JP3QJK
05-Dec 15:37  80.8  763 JN1GKZ

/EX
SB  SAREX@AMSAT < W3IWI  $SAREXRPT.007
238 SAREX ROBOT QSOs (Dec.6/7)
R:901222/2232z 26163@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

 LOGGED UTC   =MET  QSO
 DATE  HH:MM  HH.H  ###  CALL
 ----  -- -- -----  --- ------
06-Dec  6:48  96.0  774 WD6DRI
06-Dec  6:52  96.1  782 WQ0P
06-Dec  6:58  96.2  791 KG3N
06-Dec  6:59  96.2  796 K4GMP
06-Dec  7:02  96.2  801 KP4BJD
06-Dec  7:04  96.3  803 9Y4NC
06-Dec  8:18  97.5  811 KH6GMP
06-Dec  8:32  97.7  833 WA0D
06-Dec  9:05  98.3  846 ZS6TVB
06-Dec  9:06  98.3  848 ZR6AGA
06-Dec  9:06  98.3  849 ZS6SM
06-Dec 10:03  99.2  867 WW7B
06-Dec 10:08  99.3  881 XE2M
06-Dec 10:08  99.3  883 KA5CDJ
06-Dec 10:10  99.4  885 XF3PP
06-Dec 10:11  99.4  891 XF3RA
06-Dec 10:12  99.4  892 XE3YE
06-Dec 10:12  99.4  893 XF3AFU
06-Dec 10:14  99.4  897 XE3XE
06-Dec 10:42  99.9  906 ZR4AAD
06-Dec 11:09 100.3  915 KJ9S
06-Dec 11:16 100.5  922 JR5EBL
06-Dec 11:18 100.5  924 JR1EDE
06-Dec 11:17 100.5  925 JH2NIT
06-Dec 11:50 101.0  928 HC8VB
06-Dec 11:52 101.1  929 HC5K
06-Dec 11:57 101.1  930 PT2WWV
06-Dec 11:59 101.2  932 PT2AR
06-Dec 12:02 101.2  936 PY2EML
06-Dec 12:02 101.2  937 PT2SC
06-Dec 12:53 102.1  951 JA3XCZ
06-Dec 14:24 103.6  961 JA3ZDJ
06-Dec 14:25 103.6  962 JA6FTL
06-Dec 14:25 103.6  963 JK3RLO
06-Dec 17:19 106.5  986 4X4LF
06-Dec 17:38 106.8  988 KE0SC

07-Dec  3:32 116.7  993 VK1AU
07-Dec  5:51 119.0 1003 NP4BM
07-Dec  6:14 119.4 1011 ZS6AJS
07-Dec  7:24 120.6 1052 KB4ODE
07-Dec  7:28 120.7 1060 YV4ABC
```

```
07-Dec  7:57 121.1 1072 ZS5J
07-Dec  8:42 121.9 1076 KA6NEI
07-Dec  8:44 121.9 1083 NH6HF
07-Dec  8:59 122.2 1105 XE1PM
07-Dec  9:03 122.2 1116 HK4BHA
07-Dec  9:31 122.7 1122 ZS6BZE
07-Dec  9:32 122.7 1125 ZS6XL
07-Dec 10:04 123.3 1136 JJ2RYW
07-Dec 10:18 123.5 1138 KJ9U
07-Dec 10:31 123.7 1143 XE1IX
07-Dec 10:31 123.7 1145 XE1RK
07-Dec 10:31 123.7 1146 XE1LCE
07-Dec 10:39 123.8 1151 HC5AH
07-Dec 11:10 124.4 1160 Z21FB
07-Dec 11:37 124.8 1169 JJ6AGL
07-Dec 11:38 124.8 1171 JJ6AGM
07-Dec 11:39 124.8 1175 JJ6AGN
07-Dec 11:40 124.9 1177 JJ6AGK
07-Dec 11:56 125.1 1184 AH6GR
07-Dec 13:14 126.4 1190 JA3YEO
07-Dec 13:16 126.5 1192 JM3WYI
07-Dec 13:16 126.5 1193 JR8XPV
07-Dec 14:05 127.3 1206 LU1EXC

/EX
SB  SAREX@AMSAT < W3IWI  $SAREXRPT.008
238 SAREX ROBOT QSOs (Dec.8)
R:901222/2232z 26164@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

 LOGGED UTC   =MET  QSO
 DATE  HH:MM  HH.H  ###  CALL
 ----  -- -- -----  --- ------
08-Dec  3:46 141.0 1208 VK6BMD
08-Dec  3:49 141.0 1210 VK6YBQ
08-Dec  3:50 141.0 1211 VK6ABY
08-Dec  3:51 141.0 1213 VK6CC
08-Dec  3:51 141.0 1214 VK6PH
08-Dec  3:53 141.1 1218 VK5QX
08-Dec  3:54 141.1 1219 VK5AVQ
08-Dec  3:56 141.1 1220 VK3YJM
08-Dec  3:59 141.2 1229 VK4ZGF
08-Dec  6:03 143.2 1246 N6DGK
08-Dec  6:07 143.3 1251 WB5NLY
08-Dec  6:10 143.4 1256 XE3RY
08-Dec  6:15 143.4 1260 KP4EKG
08-Dec  6:15 143.4 1262 WP4G
08-Dec  ?:?? 144 ? 1280 NH6UY  )
08-Dec  ?:?? 144 ? 1282 WB6W   )
08-Dec  ?:?? 144 ? 1288 KI6QE  )  Note: The ROBOT TNC's internal clock
08-Dec  ?:?? 144 ? 1293 NW7N   )  was inadvertently reset sometime around
08-Dec  ?:?? 144 ? 1308 N4PLY  )  07:00z and these QSO's did not get time
08-Dec  ?:?? 144 ? 1311 WD4SBV )  stamped. Stations in this window should
08-Dec  ?:?? 144 ? 1312 K9ES   )  send a note to W3IWI@W3IWI.MD.USA with
```

```
08-Dec  ?:?? 144 ? 1314 K4OSM  )  the UTC time of your QSO so that we can
08-Dec  ?:?? 144 ? 1320 KP4PX  )  fill in the missing hole in the logs.
08-Dec  ?:?? 144 ? 1324 YV5FSF )
08-Dec  ?:?? 144 ? 1327 YV5FSH )
08-Dec  8:15 145.4 1328 ZS1KT
08-Dec  8:19 145.5 1331 ZS6AWK
08-Dec  9:37 146.8 1365 PT2TD
08-Dec  9:38 146.8 1367 PY6ASV
08-Dec  9:39 146.8 1368 PT2ON
08-Dec  9:58 147.2 1376 ZS6BNT
08-Dec  9:59 147.2 1383 Z21GH
08-Dec 10:29 147.7 1393 JA1ESP
08-Dec 10:30 147.7 1395 JN1BWP
08-Dec 11:31 148.7 1402 ZS1JY
08-Dec 12:04 149.3 1412 JH2AYB
08-Dec 14:28 151.7 1441 PU2NPQ
08-Dec 14:28 151.7 1442 ZY5AAT
08-Dec 14:30 151.7 1446 PY2NPP

/EX
SB  SAREX@AMSAT < W3IWI  $SAREXRPT.009
238 SAREX ROBOT QSOs (Dec.9/10)
R:901222/2232z 26165@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

 LOGGED UTC   =MET  QSO
 DATE  HH:MM  HH.H  ###  CALL
 ----  -- -- -----  --- ------
09-Dec  8:00 169.2 1457 N6ZND
09-Dec  8:02 169.2 1466 WA2KDL
09-Dec  8:03 169.2 1472 N6MEL
09-Dec  8:06 169.3 1482 AA5GA
09-Dec  8:07 169.3 1486 W5IU
09-Dec  8:08 169.3 1489 W5OJ
09-Dec  8:16 169.5 1511 KP4YD
09-Dec  8:45 169.9 1524 ZS6BSE
09-Dec 14:10 175.4 1550 JH2GEC
09-Dec 14:52 176.1 1563 LU9DO
09-Dec 16:05 177.3 1570 FO5LQ
10-Dec  5:29 190.7 1599 KP4ECL
10-Dec  6:56 192.1 1616 KA5OTB
10-Dec  6:59 192.2 1622 KG5ND
10-Dec  7:08 192.3 1639 HK5BVD
10-Dec  9:07 194.3 1657 ZS1SAT
10-Dec  9:08 194.3 1658 ZR1L
10-Dec  9:10 194.4 1662 ZR5TT
10-Dec  9:36 194.8 1668 KE2FB
10-Dec 11:03 196.2 1678 VU2LBW
10-Dec 14:28 199.7 1701 JR3YEO   **** LAST QSO FROM STS-35

/EX


From 3006570684321763706
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,abea1a894ad6ca24,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 21:11:44 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!apple.com!winter
From: winter@apple.com (Patty Winter)
Newsgroups: rec.ham-radio
Subject: SAREX "QRZ" list (long)
Keywords: SAREX, packet, stations heard
Message-ID: <47941@apple.Apple.COM>
Date: 10 Jan 91 05:11:44 GMT
Sender: winter@Apple.COM
Organization: Apple Computer Inc, Cupertino, CA
Lines: 263

[Please see my "SAREX Report" posting for a general introduction to these three postings. Also please note that this "heard" list includes ground stations that successfully made two-way contacts with the SAREX robot as well as ones heard but not worked.]

SB SAREX@AMSAT < W3IWI $SAREXRPT.010
Summary of stations heard (Part 1)
R:901223/0537z 26236@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

The following is the sorted list of 570 unique calls logged during the WA4SIR STS-35 SAREX Packet operation for which we have received information. It includes the calls of the 238 stations that were logged as full, complete QSOs plus all reports received as of 22 December.

The calls in this list are preceeded by a symbol which denotes the source of the data according to the following key:

* = One of the 238 full 2-way QSO's during the operation

+ = Station was heard and log info was captured by Ron onboard the STS-35 during one of the periodic data dumps to the Grid laptop computer

. = Station was heard and log info was submitted as a QRZ beacon by a ground station.

? = Station's call appears submitted data but the date or time or beacon serial number were bogey and additional data is needed.

If you think you were heard by the shuttle and your call does not appear in this list, the reason os that nobody has submitted a QRZ beacon with your call in it! The QRZ beacon that was transmitted during the flight looked something like this:

```
   07-Dec-90  11:57:17  WA4SIR*>QRZ <UI>:
```

```
   #1088-AH6GR AH6IX JA9IHI JJ6AGK JH2NIT JJ6AGN JR5EBL JJ6AGM ....
```

If you captured any of these QRZ beacons and have not submitted them, please do so ASAP since YOUR contributions are needed to complete the SAREX logs. Be sure to include a UTC time stamp and send them as packet messages addressed to

    SAREX@W3IWI.MD.USA

or as SMTP mail on the internet to

    sarex@tomcat.gsfc.nasa.gov

1. CALLS WITH LEADING DIGIT AND AA-HK PREFIX:

```
 +3B8FP    ?AA6NL     ?FM5AB    +HK3JHV
 *3DA0AY   ?AB4PX     *FO5LQ    *HK4BHA
 *4X4LF    +AD1S      *FR4FM    +HK4DUM
 +5B4ZL    *AH6GR     +FR5DL    .HK4FZ
 +6Y5EW    *AH6IO     +FR5ZD    +HK4KIE
 +7J7AAL   *AH6IX     *HC5AH    +HK4LLH
 *8P6SM    ?ATHDX     +HC5EJ    *HK5BVD
 *9Y4DG    ?BILL      +HC5JD
 *9Y4NC    +CE3AFC    *HC5K
 ?AA5FR    +CX7BY     *HC8VB
 *AA5GA    ?DX6       +HK3HUC
 ?AA6NB    *EA8BRV    +HK3JHT
```

Parts 2 thru 7 with the rest of the heard logs follow

73 de Tom, W3IWI
/EX

```
SB  SAREX@AMSAT < W3IWI  $SAREXRPT.011
Heard Calls Part 2: Japanese Calls
R:901223/0537z 26237@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]
```

```
 *JA1ESP   +JA9VLF    ?JH4GSZ   *JP3QJJ
 +JA1OGZ   +JE1PLJ    +JH5YKM   *JP3QJK
 *JA1YZM   +JF2ZYN    *JH7CKF   *JR1AHQ
 *JA2BGX   +JF4WQK    *JJ1WTK   *JR1EDE
 *JA2UGV   +JG3ZSC    +JJ2BIB   *JR1RBR
 *JA3XCZ   *JH1LVN    *JJ2RYW   *JR3FRF
 *JA3YEO   *JH1OMA    *JJ6AGK   *JR3YEO
 *JA3ZDJ   *JH2AYB    *JJ6AGL   *JR4BRS
 *JA4BLC   *JH2GEC    *JJ6AGM   *JR5EBL
 +JA4OPF   *JH2NIT    *JJ6AGN   +JR5RTL
 +JA5NYJ   +JH2TNL    ?JK3NSD   *JR8XPV
 *JA6FTL   +JH2TQK    *JK3RLO   *JS1ANG
 +JA9DRP   +JH2ZBS    *JM3WYI
 +JA9IHI   *JH3EXG    *JN1BWP
 *JA9TQK   *JH3FDA    *JN1GKZ
```

Legend: * = Stations making full 2-way QSOs

```
        + = Stations heard & logged direct on the shuttle
        . = Stations logged in a QRZ Beacon
        ? = Incomplete logging info available
/EX
SB  SAREX@AMSAT < W3IWI  $SAREXRPT.012
Heard Calls Part 3: K prefix calls
R:901223/0537z 26238@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

 .K0IQA    ?KA2RJA    +KB9DD    *KH6GMP
 ?K0RZ     ?KA3MUF    ?KC2TN    *KH6GPI
 +K1HTV    ?KA4SEZ    ?KC4NHB   *KH6H
 +K1MYL    *KA5CDJ    *KC5FP    .KH6JJX
 ?K4COH    ?KA5FPV    ?KC6LHA   .KI5AV
 *K4GMP    +KA5KKJ    .KD6FW    .KI5BD
 *K4OSM    *KA5OTB    ?KD7XR    *KI6QE
 +K5ARH    *KA5SIG    *KE0SC    *KJ6AW
 .K5JHP    *KA6NEI    *KE2FB    .KJ6MD
 .K5KNE    *KA6UCD    *KE7NR    +KJ6NV
 .K5SAF    .KA8SNG    +KF5JH    .KJ9
 .K5VRF    +KB1FD     *KG3N     *KJ9S
 .K6KTS    *KB4ODE    +KG4TM    *KJ9U
 *K6OYY    +KB4SYV    *KG5ND    ?KK4UZ
 +K6PGT    +KB4YJF    +KG5NE    *KP4BJD
 +K6SPK    .KB5CNG    +KG5RP    *KP4ECL
 .K6THR    +KB5CUS    .KG5VQ    *KP4EKG
 ?K7YSP    ?KB5FDV    *KG6DX    *KP4PX
 ?K9DX     .KB5JRA    *KH2A     *KP4YD
 *K9ES     .KB6BZZ    *KH2D     ?KU5J
 +KA1IOR   .KB6CC     ?KH6GDR

Legend: * = Stations making full 2-way QSOs
        + = Stations heard & logged direct on the shuttle
        . = Stations logged in a QRZ Beacon
        ? = Incomplete logging info available
/EX
SB  SAREX@AMSAT < W3IWI  $SAREXRPT.013
Heard Calls Part 4: LU and N prefixes
R:901223/0537z 26239@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

 +LU1BOR   *N4PLY     .N6BHG    *N6ZND
 +LU1EKS   +N4WKQ     .N6DBK    +N7HWW
 *LU1EXC   +N4XMD     *N6DGK    ?N7LQM
 +LU1JDU   +N4YJC     .N6IXX    .N7LQO
 +LU1LDS   +N4ZQ      *N6JLS    *N8DEU
 +LU1VIP   *N5BCA     ?N6KBM    ?N8DEZ
 +LU1WKJ   ?N5BF      .N6KK     ?N9GBJ
 +LU6HDV   .N5FHF     *N6KN     .NA5C
 +LU7DSU   *N5ITU     *N6MEL    +ND1V
 +LU8DLH   +N5JUJ     .N6NJI    *NH6HF
 *LU8DYF   +N5KNX     .N6PSU    *NH6OU
 *LU9DO    *N5LCO     *N6RVC    +NH6PU
 .LW1DU    .N5LKJ     .N6RW     *NH6UY
 +LW1DUA   .N5MGU     ?N6TU     .NJ5N
 .N0KSC    +N5NUU     *N6UEA    *NK6K
 ?N2EK     +N5OFF     *N6WHO    *NP4BM
 ?N2FAM    +N5PTO     .N6WHZ    .NW6U
 *N3EMA    *N5QWC     .N6WJP    *NW7N
 +N4HY     ?N5ROZ     ?N6XFC    ?NY3T
 +N4MW     .N5TD      *N6ZAY    *NZ3F

Legend: * = Stations making full 2-way QSOs
        + = Stations heard & logged direct on the shuttle
        . = Stations logged in a QRZ Beacon
        ? = Incomplete logging info available
/EX
SB  SAREX@AMSAT < W3IWI  $SAREXRPT.014
Heard Calls Part 5: Prefixes OA thru VU
R:901223/0537z 26240@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

 *OA4AGM   +PY4BHB    *VK2ZW    *VK5QX
 *OA4CK    ?PY5AAT    ?VK3AHJ   ?VK5XD
 *OA4HV    +PY5ACP    *VK3DBO   *VK5ZAH
 .PDT      *PY6ASV    *VK3DTO   .VK5ZFM
 +PP5IA    +TEST      +VK3DUG   *VK5ZK
 *PT2AR    .TG9AKE    *VK3EEE   ?VK5ZTS
 +PT2KC    +TR8CA     .VK3FRS   *VK5ZTY
 *PT2ON    ?VE1VCK    +VK3JST   ?VK5ZWI
 *PT2SC    *VK1AU     ?VK3JT    *VK6ABY
 *PT2TD    +VK1BF     +VK3TI    +VK6BBG
 *PT2WWV   +VK1ZZT    +VK3XL    *VK6BMD
 +PU2KXH   ?VK2AAB    *VK3YJM   .VK6BX
 *PU2NPQ   ?VK2AIT    *VK3ZBB   *VK6CC
 +PU2YVZ   +VK2AS     +VK3ZUG   .VK6CW
 +PY1JU    *VK2BXQ    +VK4ABP   *VK6DM
 +PY2ALT   .VK2DFY    *VK4AGL   *VK6LI
 +PY2ANA   +VK2DOM    +VK4AJB   *VK6MJ
 +PY2BJO   +VK2DPG    .VK4AOR   *VK6PH
 +PY2BLA   ?VK2EE     .VK4BCK   .VK6UU
 +PY2BV    +VK2EFA    .VK4BKW   *VK6VX
 +PY2EBZ   ?VK2EYI    ?VK4KNA   *VK6YBP
 *PY2EML   ?VK2FKZ    ?VK4SJA   *VK6YBQ
 *PY2EXD   +VK2HL     ?VK4YG    *VK6YJS
 +PY2FE    ?VK2JDR    *VK4ZF    *VK6ZZ
 *PY2GN    .VK2KJU    *VK4ZGF   +VS6BZ
 *PY2MSG   .VK2PA     *VK5AGR   *VS6VU
 *PY2NPP   *VK2RX     *VK5AKK   +VS6XQF
 +PY2QE    ?VK2TGB    *VK5AVQ   *VU2LBW
 +PY2SK    ?VK2YUK    ?VK5EB    +VU2ZAP
           +VK2ZMK    ?VK5QR

Legend: * = Stations making full 2-way QSOs
        + = Stations heard & logged direct on the shuttle
        . = Stations logged in a QRZ Beacon
        ? = Incomplete logging info available
/EX
SB  SAREX@AMSAT < W3IWI  $SAREXRPT.015
```

```
Heard Calls Part 6: Calls with W prefixes
R:901223/0537z 26241@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

 +W1NPR    *W7US      *WA6YFD   ?WD4ECK
 +W1YK     *WA0D      ?WA6ZDO   +WD4EVD
 *W1YRM    .WA0QII    ?WB0MPQ   *WD4SBV
 ?W1ZNY    *WA2KDL    ?WB3ELA   +WD5BJT
 *W2DTC    ?WA3LKW    ?WB4TCW   +WD5L
 +W3IP     +WA4AIT    .WB4ZOJ   .WD5N
 +W4GPD    .WA4SFQ    ?WB5AAA   *WD6DRI
 *W5BKK    +WA4SIR    .WB5DGR   +WD6GFF
 +W5DID    .WA4VUT    +WB5EKW   +WD8KPZ
 ?W5DPD    +WA5HPJ    .WB5HJV   *WH6AMX
 ?W5GEL    .WA5NBP    .WB5IPM   +WH6BXK
 *W5IU     *WA5PIE    ?WB5JFM   +WI5A
 *W5OJ     +WA5QGD    .WB5MPU   *WP4CNU
 ?W5RRR    .WA6AKQ    *WB5NLY   *WP4G
 ?W5UMZ    .WA6AZP    +WB5QVM   ?WP4UD
 .W5XH     ?WA6DTH    .WB6BDY   *WP4XQ
 ?W5YM     *WA6EMV    ?WB6KGB   *WQ0P
 .W6GO     .WA6EQU    *WB6LLO   .WQOP
 .W6LDF    *WA6LIE    .WB6OVH   .WR7A
 ?W6PIO    +WA6OEC    *WB6W     +WS5C
 +W6YEP    .WA6PGW    ?WB7ESQ   *WW7B
 ?W7GZ     .WA6TKV    ?WD0GML   .WX0U
 ?W7IO     ?WA6TVN    +WD4AHZ   *WY0H

Legend: * = Stations making full 2-way QSOs
        + = Stations heard & logged direct on the shuttle
        . = Stations logged in a QRZ Beacon
        ? = Incomplete logging info available
/EX
SB  SAREX@AMSAT < W3IWI  $SAREXRPT.016
Heard Calls Part 7: XE thru ZY prefixes
R:901223/0537z 26242@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

 *XE1IX    *YV1CP     +ZR4CZ    *ZS6AQC    *ZY5AAT
 *XE1LCE   +YV2AEH    +ZR5EE    *ZS6AQF
 *XE1LM    ?YV4AB     *ZR5TT    +ZS6ARY
 .XE1LSR   *YV4ABC    *ZR6AGA   *ZS6AWK
 *XE1MMD   +YV4AL     +ZR6AIB   +ZS6AZG
 *XE1PM    +YV4AS     +ZR6ARH   *ZS6BBY
 ?XE1RAH   +YV4FGH    +ZR6YAP   +ZS6BKO
 *XE1RK    +YV4FGJ    *ZS1CA    *ZS6BMN
 *XE2M     ?YV4FGP    *ZS1JY    *ZS6BNT
 +XE2PH    +YV4FM     *ZS1KT    *ZS6BSE
 +XE2U     *YV5FSF    *ZS1SAT   *ZS6BTD
 +XE3CDL   *YV5FSH    ?ZS2DD    *ZS6BZE
 *XE3EB    +Z21DC     ?ZS2ELL   +ZS6BZM
 *XE3RY    +Z21EK     *ZS4BU    +ZS6BZN
 *XE3XE    *Z21FB     +ZS4CM    *ZS6CA
 *XE3YE    *Z21GH     ?ZS5AH    +ZS6HQ
 *XF3AFU   +Z21GO     +ZS5AV    *ZS6HS
 *XF3OZ    +Z21ITU    +ZS5DW    ?ZS6HZ
 *XF3PP    .Z21U      +ZS5IC    *ZS6IT
 *XF3R     +ZD8GT     *ZS5J     +ZS6KQ
 *XF3RA    ?ZR1ADH    *ZS5NZ    *ZS6SM
 *XF3RC    *ZR1L      *ZS6AJS   *ZS6TVB
 *XF3RD    *ZR4AAD    *ZS6AKV   *ZS6XL
 .XF3RGS   +ZR4AAO    +ZS6AQ    ?ZS6XU

Legend: * = Stations making full 2-way QSOs
        + = Stations heard & logged direct on the shuttle
        . = Stations logged in a QRZ Beacon
        ? = Incomplete logging info available
/EX
```

From -3904555159189107172
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 21:13:11 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!samsung!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Summary: re meters
Message-ID: <868@wells.UUCP>
Date: 10 Jan 91 05:13:11 GMT
References: <19917.799.7009@canrem.uucp> <837@wells.UUCP> <15485@crdgw1.crd.ge.com>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 20
Posted: Wed Jan 9 23:13:11 1991

This question is rather silly.

Can't you understaind plain english?

A Voltmeter measures Volts.

A Potentiometer measures potentios.

See any hamfest for bargains on potentios.

See me when you ;find a use for them.

I'll trade for a batch of gonios which I
can't make sense of due to lack of a

operative

Goniometer.

From 5320310636645567158
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,35b38a59614c1795
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 21:13:19 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Re: W5YI Report - transcript of FCC hearing
Message-ID: <27080048@col.hp.com>
Date: 10 Jan 91 05:13:19 GMT
References: <1991Jan5.193407.514@bellcore.bellcore.com>
Organization: HP Colorado Springs Division
Lines: 12

>In article <20258@netcom.UUCP> edg@netcom.UUCP (Edward Greenberg) writes:
>>Quoting the W5YI report as posted from CompuServe Hamnet:
>>>It was the Quarter Century Wireless Association that suggested simply
>>>eliminating the code from the Technician Class to arrive at a 30-MHz
>>
>>And whom are we calling old farts?

Dang, another perfectly good stereotype falling apart.

(First, the Berlin Wall, and now this...)

Bob KB0CY

From -3997526996563847071
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 21:14:04 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <1991Jan10.051404.2936@athena.cs.uga.edu>
Date: 10 Jan 91 05:14:04 GMT
References: <837@wells.UUCP> <1991Jan8.184642.19354@athena.cs.uga.edu> <5716@rsiatl.Dixie.Com>
Organization: University of Georgia, Athens
Lines: 4

The main motive for homebrewing a 2-meter rig would be self-training,
not saving money. It would have to be inexpensive, however, because
people wouldn't want to spend $250 on a self-training project when

they could have a full synthesized HT for that price.

```
From 9047207183707749494
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29b4a11527361cbc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-09 21:16:53 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!pacific.mps.ohio-
state.edu!linac!att!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <1991Jan10.051653.3016@athena.cs.uga.edu>
Date: 10 Jan 91 05:16:53 GMT
References: <1991Jan6.204033.19970@informix.com> <41aFV2w163w@phoenix.com>
<1991Jan8.193844.11586@alias.uucp>
Organization: University of Georgia, Athens
Lines: 30
Xref: gmdzi rec.radio.shortwave:3402 rec.ham-radio:19081
```

In article <1991Jan8.193844.11586@alias.uucp> chk%alias@csri.toronto.edu writes:
>In <41aFV2w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
>
>>randall@informix.com (Randall Rhea) writes:
>
>>   I have never had a K-Mart, Sears, etc, salesperson refuse to make a
>>cash sale to me. I HAVE had Radio Shack people refuse CASH. Why? Because
>>I wouldn't give them my name and address. No, cash being waved in their
>>face is NOT sufficient to buy something from Radio Shack.
>
>It is AGAINST THE LAW in both Canada and the United States to refuse a cash
>transaction in this context. Under the strictest legal interpretations, if
>they refuse cash you are legally entitled to walk from the store with your
>purchase in hand, because they have 'refused payment'.
>
>Essentially, by refusing to accept cash they are giving you your purchase
>for free!
>

Presumably, the idea is that they SAID the item was for sale for a particular
price;
if it isn't, they were guilty of misrepresentation.

Also, the concept of "legal tender" means that a merchant
has to accept cash; can't hold out for some other kind of payment.

>As with all free legal advice; caveat emptor. I have never tested this in
>court, although the bluff has always worked.
>

>--

From 2250339657130170018
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,238af632b3663c04
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,4d2ca32383b956b2
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-01-09 21:17:50 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Moving up from a J38 Key
Summary: Bencher
Message-ID: <748@ssc.UUCP>
Date: 8 Jan 91 21:48:49 GMT
References: <".7-Jan-91.11:38:56.EST".*.Paul_Adler.NER-OSM@Xerox.com>
Organization: very little
Lines: 27

In article <".7-Jan-91.11:38:56.EST".*.Paul_Adler.NER-OSM@Xerox.com>, Paul_Adler.NER-OSM@XEROX.COM writes:

> I have been using a J38 Key for many years. A few months ago I got a new Kenwood TS-950SD, which has a built in Electronic Keyer. Can anyone suggest keyer paddles, advantages of each vendor, etc.

What? You're still using CW?!!?!? :) Just kidding. I use it all the time.

For a number of years I used the Nye/Viking paddle because it was CHEAP. Recently I started using a Bencher, which is generally regarded as the best iambic paddle around. I love it. The action is incredibly good.

Another one you might look at is the Vibroplex Brass Racer type, which I think is a little cheaper than the Bencher. But be careful...Vibroplex makes some that are NOT iambic, but are the old sideswiper type. It is probably a matter of personal taste, but I think the iambic squeeze type key is much better.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -5431260658904225299
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,79709a2ef1dace62,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 21:21:21 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!envy.bellcore.com!karn
From: karn@envy.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: FTP'able text of 90-55 Report and Order
Message-ID: <1991Jan10.052121.25302@bellcore.bellcore.com>
Date: 10 Jan 91 05:21:21 GMT
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@envy.bellcore.com (Phil Karn)
Organization: Bell Communications Research, Inc
Lines: 7

Gary, N6GF pointed out a few typos in the text I posted last weekend. I've corrected them in my copy, but rather than post it again I've made the complete file available for anonymous FTP from thumper.bellcore.com. The file name is /pub/ka9q/misc/rando.

Phil

From -4160825409405756422
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,35171b53d6c9f0ca
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 21:21:28 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: Rank beginner seeks advice
Message-ID: <869@wells.UUCP>
Date: 10 Jan 91 05:21:28 GMT
References: <27768.278ae3bb@kuhub.cc.ukans.edu>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 19

1. Congratulations on wanting to start out the right way.

2. Lots of construction articles in QST;

The stuff by Doug DeMaw, W1FB is excellent: easily put together, workable, and useful. I'd class Doug as the top tomcat of beginner homebrew. Many other mags have h/b articles. The old Ham Radios (now defunct) are excellent but on a higher plane. Stuff in CQ and 73 can be good, but QST is generally more reliable and with the DeMaw stuff alone there iis more than enough to chose from.

3. To start out by buying a new high-price ricebox is

to me the Wrong Way though it's today's standard.

Good luck.

K3TX

```
From 8520257730094489763
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e77bb3d7300ae6ef
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10f38d,d8143d90e78071f8
X-Google-Attributes: gid10f38d,public
X-Google-Thread: 111a55,da8113a45bbd6970
X-Google-Attributes: gid111a55,public
X-Google-ArrivalTime: 1991-01-09 21:42:23 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Subj: Re: An Outside Viewpoint
Summary: throw away stuff, computers
Message-ID: <755@ssc.UUCP>
Date: 9 Jan 91 20:34:54 GMT
References: <9101072148.AA03148@tilde>
Organization: very little
Lines: 36
```

In article <9101072148.AA03148@tilde>, dube@cpdvax.csc.ti.com writes:

> Here's a (perhaps remote) example of what I mean: My XYL's car has an automatic deck lid closure that is motor-driven. It failed due to breakage of a CHEAP! plastic gear. Dealers told me that this gear was impossible to get, and that it would require replacing the entire assembly ($200). Yet the part was easily accessible, and easy to remove and replace! To make a long story short, I finally obtained the part through the auto manufacturer, and spent about 20 minutes (including R & R of the assembly) to fix the thing.
> (P.S. If yours is broken, I'll fix it for $100, you ship)
>
> The point is, that we seem spring-loaded to the "throw-it-away-and-buy-a-whole-new-one" position. Or, we technically-inclined folk dash it off to the nearest fix-it guy rather than doing it ourselves (and thereby probably getting a poor job than we could do).

This reminds me....I have heard that if some minor part on the motherboard of your average clone computer fails (say a DIODE, which costs about 9 cents) that NO ONE who you take your PC to for repair will ever replace the diode. They always charge you for a NEW MOTHERBOARD, since a failure on the motherboard is regarded as too complex, and they never attempt component level troubleshooting on these things anyway.

Is this true?

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -939225252593946765
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b6fced14dbe7537
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 21:44:39 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: new technician class
Summary: on the new tech license
Message-ID: <871@wells.UUCP>
Date: 10 Jan 91 05:44:39 GMT
References: <126@canada.sbi.com> <224@platypus.uofs.edu> <128@canada.sbi.com>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 13

It seems logical that if someone shows up with valid certificates for elements 2 and 3a we (our VE group) can complete a 610, attach copies of the certificate, and validate the 610. No big deal.

We will also suggest he give a shot at 5 wpm at least so he can upgrade to Novice. Optional, of course.

Really, which is the higher class license now: N or T? I dunno.

Also really don't care.

K3TX.

From 8316435507552008066
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 21:54:24 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!sdd.hp.com!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio

Subject: Re: Rigs for beginners? (Was Re: Comments needed...)
Summary: upgraded?
Message-ID: <872@wells.UUCP>
Date: 10 Jan 91 05:54:24 GMT
References: <9101031728.AA15712@ucsd.edu> <5490111@hpscdc.scd.hp.com>
<129@canada.sbi.com>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 26

In article <129@canada.sbi.com>, jerrys@canada.sbi.com (Jerry Simonowits) writes:
>   I also started out with a simple rig, the Heathkit HW-101, the
> succsessor to the sb-101. It did have some little extras, but because it
> is so basic, it forced me to learn more about tuning up and understanding
> how a radio works. BTW, sometimes simple is fine, with just some casual
>   About a month ago I finally upgraded to a ts-430.

Yes I agree that there are HW 101's around at reasonable price.
Apparently someone had a rather beat-up 101, as it's hard to
justify the term UPGRADE for the transition from 101 to TS430.

Fortunately I've not had too much experience with the TS430
(my kenwood usage has mainly been with 440, 930, 940) but
our club got stuck with one which I've played with quite a
bit. Granted there are worse transceivers floating around,
but the best usage for a TS430 seems to be to keep Yugos with
defective brakes from rolling downhill.

Everyoone seems to go apeshit over the pushbuttons, memories,
other bells/whistles of the riceboxes without considering
whether they receive and transmit worth a damn.

Buy American: It Pays and you may get Good Stuff.

K3TX

From 8936826731766962104
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64ebb1df5ba2dda2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 22:32:20 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!uokmax!bateman
From: bateman@nsslsun.gcn.uoknor.edu (Monte Bateman)
Newsgroups: rec.ham-radio
Subject: Re: Non-acidic RTV
Message-ID: <1991Jan10.063220.995@uokmax.ecn.uoknor.edu>
Date: 10 Jan 91 06:32:20 GMT
References: <07.Jan.91.14:07:15.GMT.#7519@UK.AC.NWL.IA> <299@nachos.SSESCO.com>
<301@bongo.UUCP>
Sender: news@uokmax.ecn.uoknor.edu (Nets)
Organization: National Severe Storms Laboratory
Lines: 10

I bought some today at ACE Hardware. It's "Permatex" brand
and the type is "Ultra-Blue"...it's labelled "non-corrosive".

...and it's GUARANTEED not to leak :-)!!

Monte Bateman
WB5RZX @ WB5RZX
bateman @ nsslsun.gcn.uoknor.edu
National Severe Storms Laboratory, Norman, OK! 73069

From 5662453349598413682
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29b4a11527361cbc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 22:35:12 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Radio Shack bashing
Message-ID: <1040.278B099B@w8grt.fidonet.org>
Date: 9 Jan 91 17:31:20 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 21

> From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
> Date: 9 Jan 91 05:50:43 GMT
> Organization: University of Georgia, Athens
> Message-ID: <1991Jan9.055043.25739@athena.cs.uga.edu>
> Newsgroups: rec.radio.shortwave,rec.ham-radio,misc.consumers
>
> Visa merchant agreement? This could be interesting.
>
> Does Visa really impose a requirement of this type? If so, Radio
> Shack may indeed have no right to take down your address.

My personal opinion is one guy in one store screwed up. I do know that RS has been very strict in their instructions to their employees about selling ham gear to unlicensed people, so it may be that whenever ham radio is mentioned some individuals get hyper-cautious.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -6042737482591553017
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bdc1dabe095d7cb

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 22:35:38 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!rpi!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: ARRL Logo in PostScript
Message-ID: <423@ultrix.uhasun.hartford.edu>
Date: 9 Jan 91 15:54:41 GMT
References: <NELSON.91Jan8160515@sun.soe.clarkson.edu>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 18
Posted: Wed Jan 9 09:54:41 1991

In article <NELSON.91Jan8160515@sun.soe.clarkson.edu>, nelson@sun.soe.clarkson.edu (Russ Nelson) writes:
> There is an ARRL diamond logo written in PostScript stored on
> sun.soe.clarkson.edu, in pub/postscript, as arrl.ps. If you can't ftp,
> but can email, you can fetch it via the archive-server@sun.soe.clarkson.edu.
> I didn't write it, my boss Dave <bray@sun.soe.clarkson.edu> K2LMG
> wrote it. The ARRL knows about it and it should be used only by ARRL
> members for personal use.

Correction: The ARRL logo(s) should not be used for *commercial* use
without permission. You can use it on club newsletters, QSLs etc
without explicit permission. And ARRL membership is not required.

```
--
Jon Bloom, KE3Z                              | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu         |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

From -69987859391372942
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ee8afc42bed7e355
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 22:35:42 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!rpi!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: To Jon Bloom
Message-ID: <422@ultrix.uhasun.hartford.edu>
Date: 9 Jan 91 15:45:11 GMT
References: <9101081138.AA10798@cmr.ncsl.nist.gov>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 13
Posted: Wed Jan 9 09:45:11 1991

In article <9101081138.AA10798@cmr.ncsl.nist.gov>, rc@CMR.NCSL.NIST.GOV (Robert Carpenter) writes:
> John,
> The uunet gateway from the Internet doesn't know about "arrlhq". Could you
> post a path starting with some well-known host?
> Tnx,   Bob   W3OTC

Hmmm. That's the first complaint I've heard on that score.
Try uhasun!arrlhq!jbloom (or jbloom%arrlhq.UUCP@uhasun.hartford.edu)

```
--
Jon Bloom, KE3Z                               | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu          |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

From 7823696932055922444
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1bfe99081f447df
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 09:53:35 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!caen!uflorida!gatech!prism!mailer.cc.fsu.edu!sun13!murray
From: murray@sun13.scri.fsu.edu (John Murray)
Newsgroups: rec.ham-radio
Subject: Re: Codeless Tech??
Message-ID: <1871@sun13.scri.fsu.edu>
Date: 10 Jan 91 17:53:35 GMT
References: <134353@tiger.oxy.edu> <1250325@hpnmdla.HP.COM>
Organization: SCRI, Florida State University
Lines: 29

In article <1250325@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>In rec.ham-radio, d_reeves@oxy.edu (Bryan Douglas Reeves) writes:
>
>(But it has to be before 3 certified VE's, not the 2 general-class hams
>required for Novice)

Hmm.. I didn't think of this earlier.. Please excuse the possible creative
misinterpretation that follows...

Scenario: I pass elements 2+3A in Thomasville GA in mid-February (soonest
nearby testing) and fail my 1A (I'm going to try for it even though my
comprehension isn't good enough yet @ 5wpm) and apply for my 30MHz+ Tech.
In March (next local testing date) I pass 1A in front of two Generals. Can
I then apply for a Novice, thereby gaining HF privs? Or reapply for a full
Tech? (with new call letters, maybe?)

I'm only wondering. I assume it's a bit more difficult to find three VE's
than it is to get two Generals. (Q: are the three VE's required because
of the CSCE?)

This should probably have been posted to rec.ham-radio.policy :-) :-)

>AL N1AL

```
--
Disclaimer: Yeah, right, like you really believe I run this place.
John R. Murray              |        "Never code anything
murray@vsjrm.scri.fsu.edu   |          bigger than your head.."
Supercomputer Research Inst.|               - Me
```

From -6056695120699270045
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e2d093decfc5448,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 10:10:52 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!uwm.edu!bionet!agate!ucbvax!hls.com!trop
From: trop@hls.com (Troy T. Pummill)
Newsgroups: rec.ham-radio
Subject: gateway to mcimail
Message-ID: <9101101810.AA18546@hls.com>
Date: 10 Jan 91 18:10:52 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15

Could someone please supply the path to mcimail. I'm not able to
find the gateway system.

73s...trop

```
-------------------------------------------------------------------------------
|  Troy T. Pummill, N6XMV    |  trop@hls.com                            |
|  Sr. Technical Instructor      |  ...uunet!lanslide.hls.com!trop           |
|  Hughes LAN Systems            |                                            |
|  (415) 966-7915                |  1225 Charleston Rd., Silicon Gulch       |
|  Mountain View, CA  94043  |  The preceding drivel is entirely my own!  |
------------------------------------- ----------------------------------------
Invisible airwaves crackle with life, bright antenna bristles with the energy
Emotional feedback on timeless wavelength, bearing a gift beyond price....
Almost free.             "Spirit of Radio" - Rush
```

From -1762735089250147113
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a69f5190ce9bd710,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 10:22:18 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!magnus.ircc.ohio-state.edu!rdixon@magnus.ircc.ohio-state.edu
From: Bob_Dixon@osu.edu
Newsgroups: rec.ham-radio

Subject: How to find WB8ECC?
Message-ID: <CMM.0.88.663531738.rdixon@magnus.ircc.ohio-state.edu>
Date: 10 Jan 91 18:22:18 GMT
Sender: Bob Dixon <rdixon@right.magnus.ircc.ohio-state.edu>
Reply-To: Bob_Dixon@osu.edu
Organization: The Ohio State University
Lines: 17
Originator: daemon@right.magnus.ircc.ohio-state.edu
Nntp-Posting-Host: right.magnus.ircc.ohio-state.edu

I am the QSL manager for the 8E callsigns. I have about 100 cards for
WB8ECC, and they are still coming in. He has never sent in any envelopes,
but I would like to ask him to do so. But he has not been listed in
recent callbooks.
Is he a pirate?
Is his license expired and he doesn't know it?
Are the FCC files fouled up?
Other possibilities?
How can I find out if this call was ever issued, and to whom?
From looking at the comments on the cards, I know his name is Jim,
and he lives in St Mary's, W Va. He works 15 and 20 ssb and cw, and
apparently ragchews, based on some of the lengthy notes written on the
cards.
Any help in finding this guy would be most appreciated.

Bob Dixon
W8ERD

From 2417572308204327771
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 10:23:40 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <658@chiton.ucsd.edu>
Date: 10 Jan 91 18:23:40 GMT
References: <42229@ut-emx.uucp> <1991Jan8.172554.17706@athena.cs.uga.edu>
<657@chiton.ucsd.edu> <1991Jan10.155826.8069@athena.cs.uga.edu>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 51

In article <1991Jan10.155826.8069@athena.cs.uga.edu> mcovingt@athena.cs.uga.edu
(Michael A. Covington) writes:
>
>We should perhaps continue this on 21.060.
>I'm not the character you think you're arguing with.
>I'm into QRP CW and homebrewing!
>

If I have misunderstood you please accept my apologies and I'll look for you
on the bands. However, let me reply to your next statement.

> What I meant by "fast CW snobbery" was the attitude -- very widely
> expressed in the no-code debate -- that "I can receive 20 wpm and that
> makes me a superior person and knowing how a radio works has nothing
> to do with it!!!" And there *are* plenty of people with that attitude,
> who think they "earn" ham privileges merely through fast code speed.
> You do not appear to be one of them, but they do exist.

I honestly have never, in several years of reading this group read a posting that expressed overt "fast CW snobbery". I read fast and I read everything in this group and I have just not seen that attitude here. Now I'm not impuning your integrity, maybe we are just reading different things into the same postings. Since you do work CW I know you will attest to the fact that the people you meet on CW are overwhelmingly supportive of anyone they find on the bands regardless of their code speed. Most CW OPs are quietly fearful that CW IS dying and any signal heard on the CW bands is precious and anyone who is going through the pain of operating at less than 20 WPM is a hero to be praised for his effort and cultivated with great care and patience. No one who loves working CW would ever intentionally alienate a slower speed operator by a rude, snobby attitude. Thats one reason I work CW. As a Novice class OP every time I got on the air I was covered by Extra class signals like flies on a cheap suit. They made me feel like a valued member of the Amateur Radio Service as I stumbled along, slow and sloppy. But I kept coming back because the people I met made me feel good about the effort I was putting in and I trusted them when they said if I persisted I would break through to a level of operating ease that would make CW a pure joy. They were right and now I feel an obligation to pass on the kindness that was shown to me.

If you are running into "fast CW snobs" I would venture to say they are probably people who just passed the test and threw away their key. They wouldn't last long on the CW bands. Anyone who deliberately treats slow speed OPs rudely will find it hard to scare up a QSO after a while. If I meet them in person, they might find it hard to hold their mike with broken fingers.

And I SUPPORT the new FCC ruling on the no-code licence above 30 Mhz. I say welcome to all the new hams it will bring in and forgive me if I keep trying to stuff a key in your hand when your not looking. B-)

    AA6PN
--
    richard currier   marine physical lab   u.c. san diego
    rec@mpl.ucsd.edu
    619-534-1730

```
From 5164486782540496526
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,35171b53d6c9f0ca
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 10:32:23 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!emcard!wa4mei!ke4zv!gary
```

From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Rank beginner seeks advice
Message-ID: <1946@ke4zv.UUCP>
Date: 10 Jan 91 18:32:23 GMT
References: <27768.278ae3bb@kuhub.cc.ukans.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 17

In article <27768.278ae3bb@kuhub.cc.ukans.edu> heacock@kuhub.cc.ukans.edu (Doug Heacock) writes:
>My dad was a ham some 30 years ago (before I was eight I had already
>spent many hours leaning over his shoulder as he assembled various
>components--I grew to love the smell of soldering), and I'm interested
>in getting started. I know a little about electronics and I've built
>some audio stuff, and I'm willing to learn Morse code. I want to
>start simple, and I really want to build my own gear, if possible.
>Can anyone here point me in the "right" direction? What do I need for
>a first rig? Where can I get the schematics, plans, etc.?

The first stop is always the ARRL Handbook. Next are the four design
"notebooks" by W1FB Doug DeMaw. After that you should be prepared to
tackle the more dubious projects in the ham magazines and start designing
your own projects. Check your local ham store or the ARRL for these
materials.

Gary KE4ZV

From -1410390698037658431
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bdc1dabe095d7cb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 10:34:07 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!ncar!midway!ellis.uchicago.edu!pbhx
From: pbhx@ellis.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: Re: ARRL Logo in PostScript
Message-ID: <1991Jan9.224722.5610@midway.uchicago.edu>
Date: 9 Jan 91 22:47:22 GMT
References: <NELSON.91Jan8160515@sun.soe.clarkson.edu>
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 24

In article <NELSON.91Jan8160515@sun.soe.clarkson.edu> nelson@clutx.clarkson.edu (aka NELSON@CLUTX.BITNET) writes:
>There is an ARRL diamond logo written in PostScript stored on
>sun.soe.clarkson.edu, in pub/postscript, as arrl.ps. If you can't ftp,
>but can email, you can fetch it via the archive-server@sun.soe.clarkson.edu.
>

>I didn't write it, my boss Dave <bray@sun.soe.clarkson.edu> K2LMG
>wrote it. The ARRL knows about it and it should be used only by ARRL
>members for personal use.
>

First, for those of you that obtain this from Clarkson, it is
"broken." Create a first line as:

%!

Second, does anyone have any QSL card postscript files? I have one but
would be interested in others.

--

Peter B. Hayward   WX9T
University of Chicago Computing Organizations

From 3846075745751633254
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 10:35:54 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <660@chiton.ucsd.edu>
Date: 10 Jan 91 18:35:54 GMT
References: <19917.799.7009@canrem.uucp> <1991Jan8.053536.11635@athena.cs.uga.edu>
<655@chiton.ucsd.edu> <1991Jan10.160945.8229@athena.cs.uga.edu>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 23

In article <1991Jan10.160945.8229@athena.cs.uga.edu> mcovingt@athena.cs.uga.edu
(Michael A. Covington) writes:
>OM, those are gratuitous insults. I am *not* the kind of person you
>are calling me. I am *not* ignorant of the things you say I am ignorant of.
>
>My point was that Morse code is NO SUBSTITUTE for technical knowledge.
>You apparently agree with this. So why the flaming????
>
>Please post an apology.

I do apologize Michael. I seem to have read things into your posting that were not there. Sorry, and I DO agree with your point on technical knowledge.

AA6PN

```
--
     richard currier         marine physical lab    u.c. san diego
     rec@mpl.ucsd.edu
     619-534-1730
```

From -7074402877843772573
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a957b481268e2f40
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 10:41:05 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Other's view of codefree
Message-ID: <1045.278C6E60@w8grt.fidonet.org>
Date: 10 Jan 91 18:41:05 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 41

```
 > From: stanley@phoenix.com (John Stanley)
 > Date: 10 Jan 91 02:29:26 GMT
 > Organization: Not BIFF At All (NBAA)
 > Message-ID: <R4DJV3w163w@phoenix.com>
 > Newsgroups: rec.ham-radio
 >
 >
 > jim.grubs@w8grt.fidonet.org (Jim Grubs), in
 >      <1042.278B5502@w8grt.fidonet.org> writes:
 >
 > > The following is part of the text of an article that appearred this week
 > in
 > > FidoNews <tm>, the weekly newsletter of the amateur computer network
 > called
 > > Fidonet <tm>. I am reproducing it here to demonstrate that the fears that
 > only
 > > radical outlaw CB'ers will be attracted by the codefree license are
 > > unfounded.
 > >
 > >   [long recap of the new license and discussion of what ham radio is --
 > >        deleted]
 >
 >     Unfortunately, nothing in the Fidonet document indicated that ANYONE
 > was interested. Not even the author made any indication that he was
 > interested in amateur radio.
 >
 >     So, since the Fido document doesn't show that anyone is attracted,
```

> then it does not demonstrate that any fears are unfounded. It may still
> be that only radical outlaw CB'ers will be attracted. The Fido post
> didn't
> say any Fido people were.

"Attracted" = "Their curiosity is aroused".

Sheesh!

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -4623538521737355991
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95ab80d98868afe9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 10:50:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!spool2.mu.edu!uunet!motcid!svec
From: svec@motcid.UUCP (Larry Svec)
Newsgroups: rec.ham-radio
Subject: Re: Passive Reflectors
Message-ID: <5533@feldspar2.UUCP>
Date: 10 Jan 91 18:50:22 GMT
References: <CMM.0.88.663442192.rdixon@magnus.ircc.ohio-state.edu>
Organization: Motorola Inc., Cellular Infrastructure Div., Arlington Heights, IL
Lines: 12

I recently spent a half-day in a hospital emergency room and saw they had an inverted 17" antenna hanging from the ceiling which appeared to have a co-ax running to the outside of the hospital hooked to another similar antenna. I did not trace the coax to see if there were any modules of any sort along the way but it was my thought that this was to help RF get in/out of the ER when paramedics come in with their HTs... any comments from anyone who knows for sure are welcome???
--
Larry Svec - KD9OF
  home: 708-526-1256   e-mail: uunet!motcid!svecl   VHF: 145.150-
  work: 708-632-5259   fax: 708-632-2413, -3741   UHF: 443.575+
  "I know everything... even some things that are true!"

From -7689551394269758574
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85d9209861665035
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 10:51:14 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!att!linac!pacific.mps.ohio-state.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!wayne
From: wayne@hpfcso.HP.COM (Wayne Covington)

Newsgroups: rec.ham-radio
Subject: Re: Is a passive reflector ever a "transmitter"?
Message-ID: <7500082@hpfcso.HP.COM>
Date: 10 Jan 91 18:51:14 GMT
References: <1894@starfish.Convergent.COM>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 5

Seems to me that the proposed arrangement ought to be legal. To carry the situation to a ludicrous extreme, consider the undriven elements on a yagi. They influence, and are influenced by, the radiation from the rest of the antenna assembly. It could be argued that your two antennas connected by a length of coax are nothing more than part of your overall antenna system.

From 3968603649729815879
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c7128dfcbfe1bb21,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 10:53:08 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!ub!uhura.cc.rochester.edu!rochester!kodak!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Crystal CW portable
Message-ID: <0mNkV8w163w@phoenix.com>
Date: 10 Jan 91 18:53:08 GMT
Organization: Not BIFF At All (NBAA)
Lines: 20

The group Emergency Services Officer for this Civil Air Patrol group had made a suggestion/request dealing with the use of CW by ground teams who are in mountainous areas not well served by VHF FM.

Basically, is there commercially available a crystal-controlled, portable CW transceiver that will operate on 4, 7 and 12 MHz? It needs to be light and small enough to be a minimal load to a person in mountainous terrain. It should use easily available batteries. I think there is a military device like this, used by Special Forces teams. Is this available through surplus channels, and does anyone know what the mil designator is?

I would like to stay away from homebrew, but that may turn out to be the only option.

To preclude the legal questioning: these units need not be type certified as they will be certified by a commercial licensee for use by legally licensed CAP members. There will be a waiver to allow CW use prior to them being used.

From -443458245918664930

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ccd94040315cfee1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 11:04:25 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!lll-winken!sun-barr!newstop!sun!amdcad!mozart.amd.com!reed
From: reed@mozart.amd.com (David F. Reed)
Newsgroups: rec.ham-radio
Subject: Re: Radio Shack Bashing
Message-ID: <1991Jan9.224747.8051@mozart.amd.com>
Date: 9 Jan 91 22:47:47 GMT
References: <1991Jan6.204033.19970@informix.com> <1250323@hpnmdla.HP.COM>
Organization: Advanced Micro Devices, Inc.
Lines: 23

>In rec.ham-radio, onder@ISI.EDU (Bruce Onder) writes:
>
>>> I complain VERY loudly whenever they refuse to accept a cash
>>>transaction. Has anything changed? Ha!
>

Last time I looked at U.S. currency (printed), on the face side, there
was a statement "THIS NOTE IS LEGAL TENDER FOR ALL DEBTS, PUBLIC AND PRIVATE"
which, when confronted with RS hassle, was pointed out to them, they acquiesed
to it (admittedly, with the asking of use of phone to call the treasury dept.,
and police, since it is a law...

I suppose they could have exercized their right to refuse my business...

Funny how the employees take the "try to get their name and address" to mean
something different... poor communications result in an amazing number of
screw-ups like this.

--

"...just my opinion, not speaking for AMD." KK5D, 7J1AGO, XE1ZDR
David F. Reed   4512 Clarno   Austin TX 78749
packet: KK5D@KB5PM   driving by? try 442.150 repeater

From 4408648562288388893
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 11:07:35 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <47955@apple.Apple.COM>
Date: 10 Jan 91 19:07:35 GMT
References: <19917.799.7009@canrem.uucp> <837@wells.UUCP>
<1991Jan8.184642.19354@athena.cs.uga.edu> <1941@ke4zv.UUCP>

Organization: Apple Computer Inc., Cupertino, CA
Lines: 14

gary@ke4zv.UUCP (Gary Coffman) writes:

>Or even better, use a pentagrid converter tube with the tube serving
>rentrantly as AF amp, oscillator, tripler, and final. :-) :-)

Reentrant? Where do I find an electron push-down stack? I couldn't even find a 6SA7 or 12SA7 anymore around the Silicon Gulch, unless you are talking about the *modern* 6BE6 :-) :-)

HI,

Kok Chen, AA6TY kchen@apple.com
Apple Computer, Inc.

From 3621172181123186007
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9db0794c573ac9f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 11:26:08 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!xanadu!jeff
From: jeff@xanadu.com (Jeff Crilly N6ZFX)
Newsgroups: rec.ham-radio
Subject: Re: Ramsey kits
Message-ID: <1991Jan10.192608.12783@xanadu.com>
Date: 10 Jan 91 19:26:08 GMT
References: <NELSON.91Jan8160136@sun.soe.clarkson.edu> <10076@pasteur.Berkeley.EDU> <142708.22800@timbuk.cray.com>
Organization: AMIX Corporation, Palo Alto, CA
Lines: 24

In article <142708.22800@timbuk.cray.com> wws@raphael.cray.com (Walter Spector) writes:
>> They make a variety of UHF/VHF kits, including transverters. I have
>
>Speaking of kits, when I was at the 'Q'* the other day they had some neat
>little kits made by Ramsey Electronics for $25-$35 each. Has anyone tried
>building these things?
>
>Walt Spector
>(wws@renaissance.cray.com)
>Sunnyvale, California
>_._ _._ _.... _. ._.
>

I built the 2 meter receiver that is ne602 based. It works but the squelch doesn't (though I made work after looking at the spec in the motorola book) and it really needs a preamp. Though for ~$20 what do you expect. Other than that the parts/board/instructions are pretty good. I was considering building there 2 meter amplifier but I might do it with a module, which I hear are easy to use and may have better performance.

Jeff Crilly (N6ZFX)
AMIX Corporation 2345 Yale Street Palo Alto, CA 94306
jeff@markets.amix.com, {uunet,sun}!markets!jeff, N6ZFX@N6IIU.#NOCAL.CA.USA

From -1701810747588467874
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e2d093decfc5448
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 11:29:52 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sol.ctr.columbia.edu!trantor.harris-atd.com!charybdis!sonny
From: sonny@charybdis.harris-atd.com (Bob Davis)
Newsgroups: rec.ham-radio
Subject: Re: gateway to mcimail
Message-ID: <5224@trantor.harris-atd.com>
Date: 10 Jan 91 19:29:52 GMT
References: <9101101810.AA18546@hls.com>
Sender: news@trantor.harris-atd.com
Reply-To: sonny@trantor.harris-atd.com (Bob Davis)
Organization: Advanced Technology Dept., Harris ESS, Melbourne, FL
Lines: 23
Posted: Thu Jan 10 13:29:52 1991

In article <9101101810.AA18546@hls.com> trop@hls.com (Troy T. Pummill) writes:

>
>Could someone please supply the path to mcimail. I'm not able to
>find the gateway system.
>

This derived from John J. Chew's Inter-Network Mail Guide:

FROM: internet
TO: mci
RECIPIENT: John Smith (123-4567)
 send to "1234567@mcimail.com"
 or send to "JSMITH@mcimail.com" if "JSMITH" is unique
 or send to "John_Smith@mcimail.com" if "John Smith" is unique - note the underscore!
 or send to "John_Smith/1234567@mcimail.com" if "John Smith" is NOT unique

```
-----------------------------------------------------------------------------
Bob Davis, UofALA alum \\ INTERNET: sonny@trantor.harris-atd.com  |  _   _  |
Harris Corporation, ESS \\    UUCP: ...!uunet!x102a!trantor!sonny |_| |_| | |
Advanced Technology Dept.\\ AETHER: K4VNO          |==============|_/\/\/\|_|
PO Box 37, MS 3A/1912     \\ VOICE: (407) 727-5886 | I SPEAK ONLY | |_| |_| |
Melbourne, FL 32902        \\  FAX: (407) 729-2537 | FOR MYSELF.  |_________|
```

From -7677040379917456082
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,541c96eec544fa26
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 11:39:24 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!
ceres.physics.uiowa.edu!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!agate!
shelby!unix!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: CAPACITORS, RESONNANT FREQUENCY, R7000 to NRD 525
Message-ID: <18230060@hpfcdj.HP.COM>
Date: 10 Jan 91 19:39:24 GMT
References: <410@newt.sbi.com>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 16

>>With that said, let's just choose a cap which will meet the requirement of
>>low impedance at 10.7 MHz. For the cap to be 1 ohm or less at this frequency,
>>it should be greater than about 150 nF (0.15 uF). You also want a cap of
>>this value that can still be expected to be a cap at this frequency; in other

>Your decimal point slipped. It's actually 15 nF (0.015 uF).

Oops. Right! (Damn "scientific" mode on the old - and I do mean old - 19C).
Well, anyway, the 0.2 uF value suggested would just work that much better -
if you can find one that's still a cap at that frequency. :-)

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
myers@fc.hp.com                          |  sentient life-form on this planet.
```

From 4767681999719550984
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85d9209861665035
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 11:44:31 PST
Path: gmdzi!unido!mcsun!uunet!samsung!know!tegra!vail
From: vail@tegra.COM (Johnathan Vail)
Newsgroups: rec.ham-radio
Subject: Re: Is a passive reflector ever a "transmitter"?
Message-ID: <1912@atlas.tegra.COM>
Date: 10 Jan 91 19:44:31 GMT
References: <1894@starfish.Convergent.COM> <1250324@hpnmdla.HP.COM>
Organization: Tegra-Varityper, Inc., Billerica, MA
Lines: 39
In-reply-to: alanb@hpnmdla.HP.COM's message of 9 Jan 91 02:00:51 GMT

In article <1250324@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:

> >My brothers and I have been wondering about a way for us to communicate
> >simplex (sort of) on VHF or UHF. They live in Marin County shielded from
> >the Bay by hills. I live in San Jose. They have access to a hill-top
> >...
> >But what about this? What if we put a beam on the hill pointed to a beam on
> >their house, then ran a length of coax to another beam on the hill pointing
> >toward San Jose. The connected beams on the hill collect and re-radiate (to
> >some degree) the signals between us. I have yet to drag out the Handbook and
> >try to figure whether such a system would really accomplish anything in terms
> >of significant re-radiation, but it seems at first glance that there might be
> >a fair amount given the proximity of their house to the hill.
>
> I went through the path loss calculations a few years ago, and, to my surprise,
> discovered that this can actually work, under the right conditions.
>
> I would think that any kind of passive reflector/reradiator would be
> perfectly legal. You could even do it for a commercial broadcast TV/FM
> signal. A friend of mine did this, but he added a preamp between the
> two antennas. Seems to me this would not be legit.

This kind of thing is supposedly really done to provide TV/radio to
valleys otherwise shielded. Sometimes refered to as a "Passive
Repeater" or a "Beam bender".

I heard this from a broadcast TV engineer who was looking into the ham
applications of it.

jv

```
"Baby, It might sound dodgy now
 But it, sounds, great, when you're dead" -- Robin Hitchcock
 -----
|     | Johnathan Vail | n1dxg@tegra.com
|Tegra| (508) 663-7435 | N1DXG@448.625-(WorldNet)
 -----  jv@n1dxg.ampr.org {...sun!sunne ..uunet}!tegra!vail
```

From -6878081201189482205
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9d18f14b8d604228
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 11:45:18 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!usc!apple!agate!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Others' view of codefree
Message-ID: <9101101945.AA20490@tilde>
Date: 10 Jan 91 19:45:18 GMT
Sender: daemon@ucbvax.BERKELEY.EDU

Organization: The Internet
Lines: 74

From <jim.grubs@w8grt.fidonet.org (Jim Grubs)> I read:

Subject: Others' view of codefree

>The following is part of the text of an article that appearred this week in
>FidoNews <tm>, the weekly newsletter of the amateur computer network called
>Fidonet <tm>. I am reproducing it here to demonstrate that the fears that only
>radical outlaw CB'ers will be attracted by the codefree license are unfounded.

(selected passages of FIDONET IN 1991 text deleted)

I read the entire thing twice, and I found nothing whatever to suggest that "fears that only outlaw CB'ers will be attracted by the codefree license are unfounded".

What I did infer was that there are a lot of technically-inclined computer hobbyists who don't seem to be interested in Amateur Radio.

Also, here is an interesting comment that seems to bear out my previously-voiced contention that many computer enthusiasts have found Amateur Radio to be just another peripheral, a substitute for land-line connections so to speak, and thereby avoid long-distance phone charges.

> 2) There are no long distance charges in amateur radio. Thus, it may have great appeal to those in rural areas. Those using amateur radio for data transmission need not be quite so concerned with shaving every last byte off of a transmission in order to save phone charges (I'm not saying that efficient protocols should not be used, but it's simply not going to be quite as big a concern). The fact that phone charges are not an issue may mean that there are fundamental differences in the way traffic is moved via amateur radio.

and the article goes on to point out that *radio* hobbyists seem only to want to talk about their hobby:

> 4) Again, I must point out that I'm not an amateur, but it seems that one of the problems with amateur radio is that many hams seem to want to talk only about amateur radio, and nothing else! We have those types in Fidonet, too, of course - the folks that participate only in the computer- and communications-oriented conferences. But in Fidonet, there are conferences on a fairly wide range of other subjects as well. I'm not sure if amateur radio has this diversity now, but if it doesn't it probably will.

Radio hobbyists will probably still talk mostly about *radio*. Computer hobbyists using Amateur Radio as a connecting medium will probably continue to discuss their own areas of major interest.

>   But now that the psychological barrier of the code has been removed,
>   (some deleted for effect)
>   This cross-pollination of the two technologies could ultimately
>   affect us in ways we don't yet realize.

This profound statement may still be ringing in our ears years from now. IMHO, there is going to have to be some compromise on both sides for it to occur. Both the OF's and the NF's need to realize that this is the joining of two hobbies: computers and radio; and each *should* be willing to become knowledgeable (at least marginally) in the other "technology". Which means that each should be willing to abide by the other's rules without all this finger-pointing and name-calling.

This is going to be important in order for Amateur Radio *not* to become CB-ized (not the same as Jim's allusion to fears of outlaw CB'ers coming into the hobby); and for Amateur Radio not to cease to exist as a hobby medium for *radio* hobbyists.

73,
Dube   N5PDK

"Why waste time learning, when ignorance is instantaneous?" -Hobbes

---

From -2124811793836426022
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e77bb3d7300ae6ef
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 11:55:41 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!cs.umn.edu!ux.acs!spexet
From: spexet@ux.acs.umn.edu (D. Robert Spexet II)
Newsgroups: rec.ham-radio
Subject: Re: Subj: Re: An Outside Viewpoint
Message-ID: <3026@ux.acs.umn.edu>
Date: 10 Jan 91 19:55:41 GMT
References: <9101072148.AA03148@tilde> <755@ssc.UUCP>
Reply-To: spexet@ux.acs.umn.edu (D. Robert Spexet II)
Organization: University of Minnesota, Minneapolis
Lines: 37

In article <755@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>This reminds me....I have heard that if some minor part on the motherboard
>of your average clone computer fails (say a DIODE, which costs about 9 cents)
>that NO ONE who you take your PC to for repair will ever replace the
>diode. They always charge you for a NEW MOTHERBOARD, since a failure on
>the motherboard is regarded as too complex, and they never attempt
>component level troubleshooting on these things anyway.
>
>Is this true?

In many cases, yes. I would bet that the average computer repair shop (not just a clone shop, this goes for the major brands such as IBM, Apple, etc.) will not go into any more detail than, say, replacing a motherboard.

What usually happens to a machine with a problem is this: The machine is brought in for service. Then the cause of the problem is localized to a few major components, i.e. disk drive, motherboard, power supply, etc. Then the troubled component is replaced with a good one. The troubled component is then usually sent back to the manufacturer for rebuilding.

On some components, i.e. the motherboard, it takes less time (and money, at the rates most service people charge) to just replace the component, since it might take a while to find the problem on, say, a bad motherboard.

>Tad Cook
>Seattle, WA
>Packet: KT7H @ N7HFZ.WA.USA.NA
>Phone: 206/527-4089
>MCI Mail: 3288544
>Telex: 6503288544 MCI UW
>USENET:...uw-beaver!sumax!amc-gw!ssc!tad
>or, tad@ssc.UUCP

-D. Robert Spexet II, Post Office Box 14909, Minneapolis, Minnesota 55414-0909
 Internet: spexet@ux.acs.umn.edu
 BITNET: spexet@umnacux.BITNET
 UUCP: rutgers!umn-cs!ux.acs.umn.edu!spexet

From -1913786872621975120
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b093914a62ceb539
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 12:02:31 PST
Path: gmdzi!unido!mcsun!uunet!olivea!mintaka!snorkelwacker.mit.edu!apple!usc!elroy.jpl.nasa.gov!swrinde!ucsd!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Homebrewing.
Message-ID: <1250327@hpnmdla.HP.COM>
Date: 10 Jan 91 20:02:31 GMT
References: <9101081953.AA14549@tilde>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 13

In rec.ham-radio, k3tx@wells.UUCP (Dave Heller) writes:

>A Voltmeter measures Volts.

>A Potentiometer measures potentios.

>See any hamfest for bargains on potentios.

>See me when you ;find a use for them.

I also have a batch of milli's and kilo's to measure.

AL N1AL

From 6706778943976293767
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b812bfaaa50868b3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 12:05:04 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!usc!julius.cs.uiuc.edu!psuvax1!psuvm!cunyvm!ndsuvm1!plains!enders@plains.NoDak.edu
From: enders@plains.NoDak.edu (Todd Enders - WD0BCI)
Newsgroups: rec.ham-radio
Subject: Homebrewing & CW proficency
Message-ID: <7482@plains.NoDak.edu>
Date: 10 Jan 91 20:05:04 GMT
Organization: North Dakota State University Fargo, ND
Lines: 69

I have to agree with some of the discussion going on regarding homebrewing equipment. You *will* learn a lot about making RF circuits work that a book just can't give you. HF CW QRP transmitters can be thrown together for just about nothing, scrounging from old TV's (a pair of video driver transistors in push-pull will give 4-6W out, dependingon device type, etc.) All in all, more of the amateur population in the US should be heating up their soldering irons and taking a crack at making something for themselves.

The part of the discussion that I find puzzling is the so-called 'Anti-Code Agenda'. I just don't see the validity of the argument that the other digital modes are going to force CW from the HF spectrum forever. They used to say that SSB would eliminate AM phone from the HF amateur spectrum too. Sorry, folks. The AM'ers are still with us (albeit not in the great numbers of old).

I have *NEVER* seen it proposed that CW be eliminated as a legal mode of emission. As long as it is legal, and people want to utilize the mode, it'll never die out. The thing that *will* become difficult will be locating the quiet slots in the bands for QRP QSO's in general. I don't even think it's possible to have a QRP SSB QSO in the 20m phone band during prime time in the US.

I think the idea of a homebrew (or QRP) reserve or subband is a good one, but the entryway to the reserve should be based on TECHNICAL KNOWLEDGE rather than CW ability. Now I've been hacking little CW transmitters ever since I got licensed (1977), but I never did manage to pass 1B or 1C, even though I have, on occasion, been able to have a QSO at 20-25 WPM, solid copy in my head. I like CW, but the tests leave me cold. This is the whole point of the debate: Those that want to operate CW will seek their own proficiency level, regardless of what speed the license they hold implies they can do. 5 wpm is the basic proficency point. Those who want to become more proficient will do so. If you like CW, you will want to improve your ability, and if you never use it again you will still probably be able to copy 5 wpm.

I would dare say that if you took the whole body of General, Advanced, and Extra class licensees, sat them down in a room right now, and administered the requied element 1B or 1C, the majority (> 75% IMHO) would fail!!! (even more if it was the way it used to be where you had to have one minute SOLID COPY on paper)

Come on folks! We should be handing out spectrum privleged based on the level of technical knowlege rather than how fast one can translate Morse characters and transcribe them to a piece of paper. The ITU requires 5wpm for anything below 30 MHz., and I think that requirement should remain. However any requrement above 5 wpm is irrelevent. I'll have to look up the exact rule, but in the mid 1920's all you needed was 5 wpm for full HF access (never mind that there was only one class of amateur license).

===

Todd Enders - WD0BCI   ARPA: enders@plains.nodak.edu
Computer Center   UUCP: ...!uunet!plains!enders
Minot State University   or: ...!hplabs!hp-lsd!plains!enders
Minot, ND 58701   Bitnet: enders@plains

"The present would be full of all possible futures,
if the past had not already projected a pattern upon it" - Andre' Gide

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From -2784320529422629735
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8163a0129de4dc0e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 12:11:59 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!att!pacbell.com!ucsd!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Stdying for the test (was Re: Radio Shack bashing
Message-ID: <1250328@hpnmdla.HP.COM>
Date: 10 Jan 91 20:11:59 GMT
References: <804@nddsun1.sps.mot.com>
Organization: HP Network Measurements Div, Santa Rosa, CA

Lines: 22

In rec.ham-radio, waters@darla.tmc.edu (Strawberry Jammer) writes:

>In article <845@wells.UUCP> k3tx@wells.UUCP (Dave Heller) writes:
...
>{For learning material, I recommend ARRL.
>{Get an ARRL Handbook
>I agree! Watch for "cheap imitations" though, there are about a dozen
>"amateur radio handbooks" arouind, the ONLY worthwhile one is the ARRL
>Handbook. Get it, read it, study it, sleep with it .... :-)
>{
>{And get an ARRL Antenna Book - and read it.> --

>That is ESPECIALLY true once you try to get on the air! I have four
>editions and all four are about worn out!

The ARRL Handbook is an excellent HANDBOOK, but I would recommend the ARRL
study guides for getting your license. The Novice book (Tune in the World with
Ham Radio) is $19 including code cassette tape. The Technician, General,
and Advanced books are $6 each, and the Extra guide is $8.

I agree the ARRL Antenna Book is excellent, one of their best pub's.

AL N1AL

From 6933246586882304351
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1bfe99081f447df
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 12:56:05 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!
elroy.jpl.nasa.gov!ncar!midway!ellis.uchicago.edu!pbhx
From: pbhx@ellis.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: A New Topic to Beat to Death! (Was Codeless Tech)
Message-ID: <1991Jan10.205605.4469@midway.uchicago.edu>
Date: 10 Jan 91 20:56:05 GMT
References: <134353@tiger.oxy.edu> <1250325@hpnmdla.HP.COM>
<1871@sun13.scri.fsu.edu>
Sender: news@midway.uchicago.edu (News Administrator)
Organization: Soon to be the University of Maine at Orono
Lines: 99

In article <1871@sun13.scri.fsu.edu>
     murray@sun13.scri.fsu.edu (John Murray) writes:
>(edited)
>Scenario: I pass elements 2+3A in Thomasville GA in mid-February (soonest
>nearby testing) and fail my 1A (I'm going to try for it even though my
>comprehension isn't good enough yet @ 5wpm) and apply for my 30MHz+ Tech.
>In March (next local testing date) I pass 1A in front of two Generals. Can

>I then apply for a Novice, thereby gaining HF privs? Or reapply for a full
>Tech? (with new call letters, maybe?)
>
>I'm only wondering. I assume it's a bit more difficult to find three VE's
>than it is to get two Generals. (Q: are the three VE's required because
>of the CSCE?)

First, you cannot "reapply for a full Tech (with new call letters, maybe?)" because such will not is issued after 2/14/91.

Such *will* exist if the ticket is dated on or before 2/13/91, but after that, the Tech license issued by the FCC is a codeless Tech license. One can *get* the equivalent of "full Tech" privileges by having a CSEC for 1(A), the 5 wpm test, but the FCC Tech license issued after 2/13/91 will have no way to indicate possession of that CSCE.

(Admittedly, the FCC has asked VECs to provide them with lists of codeless Techs who earn the 1(A) CSEC, but, as indicated below, the FCC has not figured out how to handle that data.)

Now, here is the wonderful new topic to beat to death.*

You ask if you can pass 1(A) "in front of two Generals" and thus earn HF privileges for a codeless Tech license.

I believe the answer is no, and for the simple reason that only VEs can issue a CSEC.

In its order, the FCC is very clear that you must have a CSEC; it could have but did *not* say that one simply had to pass 1(A). The order says you must have a CSEC; that is the key.

Why?

James Georgias (W9JUG), head of the DeVry VEC (the fourth largest VEC), has stated that since the FCC stated that a codeless Tech must have a 1(A) CSEC to obtain HF privileges, and since CSECs can only be obtained from a VE organization, this means that the codeless Tech *must* take 1(A) from a VE -- not from two Generals. Fred Maia (W5YI), head of the second largest VEC made a similar statement.

Georgias further has stated that this may be a first step by the FCC to bring the licensing of Novices under the VECs. He states this is desirable in light of documented fraud in the issuance of Novice exams. (No, he didn't give examples.)

Rec.ham-radio net great, Phil Karn, KA9Q, who clearly has more fingers and toes than I do, actually typed the whole FCC Report and Order into his computer and submitted it to rec.ham-radio. It makes fascinating reading. Excepted below are the points relating to 1(A). You might wish to read the rest also.

****

From FCC PR Docket No. 90-55 released December 27, 1990

31. Discussion. The comments of NCVEC and ARRL, in effect, recommend that the documentation showing that a codeless licensee has later passed a telegraphy examination be accomplished by the Commission issuing a sixth class of operator license. The sole purpose of this sixth class would be to distinguish those codeless Technician Class licensees who subsequently pass the five words per minute telegraphy examination from those who have not. In paragraphs 21 and 22, we discussed why the addition of a sixth class of license is impractical.

32. We do not agree that use of the CSCE to indefinitely document the passing of a telegraphy examination would have any significant negative effects in this instance. The VEs and VECs already perform the necessary work. The VEs now issue a CSCE to each successful examinee. The VECs receive from the VEs the application forms and test results for every examination session. The VECs are required to make their examination records available to the Commission. [51]

33. We do not foresee, moreover, that there will be any increase in enforcement difficulty resulting from using the CSCE to document the passing of a telegraphy examination for an indefinite period. Our rules already authorize a licensee holding a CSCE to exercise the rights and privileges of the higher operator class for a period of up to 365 days. [52] This provision has not resulted in any increased enforcement burden. Section 97.301(e) is amended, therefore, to implement our proposal to use the CSCE to document indefinitely the passing of a telegraphy examination for the purpose of authorizing to codeless Technician Class licensees privileges below 30 MHz. We will confer with the VECs to establish a schedule for reporting the call signs and names of "Technician Plus CSCE Class" operators. [53]

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Peter B. Hayward                                               WX9T
University of Chicago Computing Organizations
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From -5153425265789510691
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6569e351a5eb59a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 13:05:30 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpcc05!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: Cushcraft R5
Message-ID: <27080049@col.hp.com>
Date: 10 Jan 91 21:05:30 GMT
References: <E15ED8622B7F00665F@ROSEVC.Rose-Hulman.Edu>
Organization: HP Colorado Springs Division

Lines: 2

What's "tank coil tubing"?   How would you like to lay out some
radials for me? The "soil" is decomposed granite! (Hi Hi).

```
From 3346443170194754199
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 13:25:06 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!uwm.edu!rpi!zaphod.mps.ohio-state.edu!
samsung!interlan.InterLan.COM!interlan.interlan.com!yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <YETSKO.91Jan10162506@interlan.interlan.com>
Date: 10 Jan 91 21:25:06 GMT
References: <42229@ut-emx.uucp> <1991Jan8.172554.17706@athena.cs.uga.edu>
     <657@chiton.ucsd.edu> <1991Jan10.155826.8069@athena.cs.uga.edu>
     <658@chiton.ucsd.edu>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 29
Posted: Thu Jan 10 15:25:06 1991
In-reply-to: rec@chiton.ucsd.edu's message of 10 Jan 91 18:23:40 GMT
```

You hit it EXACTLY on some points but missed on some others. The "fast
CW snobs" are not snobs on CW. On CW I have met nothing but courteous
operators. But then, they had to slow down for me to begin with......

But, the '*' operators who I think you mean to classify as 'snobs' are the
the kind of guys who are extras, who bitch at you cause you AREN'T a
fast CW operator, but do their bitching on phone! If they want to give
up CW after they get the extra ticket, fine. I know one extra who makes
SURE everyone knows it, and he IS sharp technically, at least for HF,
and he readily admits that he couldn't
keep up with some others who are trying for General.

The people who ARE on CW I think are scared, but they are still
courteous on CW. I really do think the snobs as you called them are the
people who are NOT CW operators, just people who passed the CW test.

If you don't enjoy it, you don't enjoy it. Admit it.

Mike Yetsko
N1DVJ

Perhaps the fortune our vax gave me seems appropriate to those who want
people to think they enjoy CW, but dropped it.

"Beware of the man who works hard to learn something, learns it, and finds
himself no wiser than before", Bokonon tells us. "He is full of murderous

resentment of people who are ignorant without having come by their
ignorance the hard way."
-- Kurt Vonnegut, "Cat's Cradle"

From -5299346797554858908
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 13:28:13 PST
Path: gmdzi!unido!mcsun!uunet!samsung!interlan.InterLan.COM!interlan.interlan.com!
yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <YETSKO.91Jan10162814@interlan.interlan.com>
Date: 10 Jan 91 21:28:13 GMT
References: <19917.799.7009@canrem.uucp> <837@wells.UUCP>
<1991Jan8.184642.19354@athena.cs.uga.edu> <1941@ke4zv.UUCP>
<47955@apple.Apple.COM>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 15
In-reply-to: kchen@Apple.COM's message of 10 Jan 91 19:07:35 GMT

>Or even better, use a pentagrid converter tube with the tube serving
>rentrantly as AF amp, oscillator, tripler, and final. :-) :-)

Reentrant? Where do I find an electron push-down stack?
I couldn't even find a 6SA7 or 12SA7 anymore around the Silicon
Gulch, unless you are talking about the *modern* 6BE6 :-) :-)

Use the PAE instruction (Push all electrons) at entry and POAE to
exit. Make sure to disable interrupts!

Mike Yetsko
N1DVJ

From -2177430631849019139
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,305821c2ff298d81,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 13:30:42 PST
Path: gmdzi!unido!mcsun!uunet!samsung!rex!uflorida!gatech!udel!princeton!idacrd!
mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: PK232 RTTY signal out of 90 degree phase
Message-ID: <848@idacrd.UUCP>

Date: 10 Jan 91 21:30:42 GMT
References: <5490109@hpscdc.scd.hp.com>
Organization: idacrd, princeton, nj
Lines: 18

From article <5490109@hpscdc.scd.hp.com>, by rkarlqu@hpscdc.scd.hp.com (Richard Karlquist):
> Isn't the problem with the PK-232 that it transmits with 200 Hz. shift
> and receive is optimized for 170 Hz. shift?
>
> Rick N6RK

No, receive is optimized for 200 Hz shift. It still outperforms most that
I have tested it against, but that is for another day. The problem is
that it uses 200 Hz shift on TRANSMIT.

Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From -3128821663027951004
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea5c6ad8072235f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 13:37:57 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!elroy.jpl.nasa.gov!swrinde!zaphod.mps.ohio-state.edu!samsung!rex!uflorida!gatech!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: DSP for the non-EE
Message-ID: <849@idacrd.UUCP>
Date: 10 Jan 91 21:37:57 GMT
References: <4520@lib.tmc.edu>
Organization: idacrd, princeton, nj
Lines: 45

From article <4520@lib.tmc.edu>, by jmaynard@thesis1.hsch.utexas.edu (Jay Maynard):
> In article <2269@esunix.UUCP> datwyler@esunix.UUCP (Doug Datwyler) writes:
>>See summary.
> ...which said,
>>Summary: Yes, it is time to stop the debate. Let's get technical. Maybe share
>>   the techniques of DSP, etc.
>
>
> One of these days, there will be a DSP device in my packet station. (The thing
> will be doing useful work when I'm not playing with it.) The question is, will

> I be able to hack on it without earning 30 credit hours?
>

Jay, Doug:

I am writing the `DSP Experimenter's Handbook.'  It will be one of those books that `has a floppy or six' in the back full of all my design tools for Motorola DSP56001, TI TMS320C25 for filter design, modem design, how to do a spectrum analyzer in DSP, in your PC, etc. etc. It will take a year to produce. I hope you can stand to wait that long. This will not be a course in theory though theory will be presented. It will be divided into sections on theory and sections on `Cookbook' in much the same way that the Satellite Experimenter's Handbook by Marty Davidoff, K2UBC handles the two facets. It is my that by the time you are done with hacking away at it, you can design a fairly arbitrary synchronous or asynchronous FSK or BPSK modem. Practical clock recovery will be covered in detail. This will be a practicing DSP writers book but every application discussed in it will have an amateur radio, amateur or weather satellite application. You will be given a preview of how the book will look in my upcoming "Here is a thing to DO with DSP and How I did it" article for QST on WX satellites.

I am certain that the League will publish it but they have not committed yet. I am certain they are waiting to see `how I do' in producing the chapters.

Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From 6831237909258978355
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea5c6ad8072235f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 13:52:53 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: DSP (and Kok's mistake)
Message-ID: <850@idacrd.UUCP>
Date: 10 Jan 91 21:52:53 GMT
References: <47743@apple.Apple.COM>
Organization: idacrd, princeton, nj
Lines: 55

From article <47743@apple.Apple.COM>, by kchen@Apple.COM (Kok Chen):

> jmaynard@thesis1.hsch.utexas.edu (Jay Maynard) writes:
>
>
> BTW, no one has mentioned this before, I don't think; at least on
> this newslist. With DSP, the Weaver method (sometimes called the
> "third method") of SSB generation becomes extremely practical. The

> And, there is no broadband phase-shifters needed in the Weaver method
> (IMHO, Hilbert transforms are a pain even with DSP). Just an example
> of how DSP can make even old ideas work out better. A small QRP SSB
> rig based on DSP, anyone?
>
> DE: Kok Chen

Kok, that is a great idea, that is the reason it is called the Kenwood TS-950DS!   It does `perfect' sideband generation. I believe the TS-850SD has two DSP chips in its DSP unit, one for receive IF as well as Xmit IF.

On the other hand, IMHO, Hilbert transforms are absolutely trivial in DSP. Here is a simple approximation to a Hilbert transform:

take three consecutive samples x0,x1,x2

x2-x0 is the filter

This will do a hilbert transform quite well in mid band. To have one that works over an extended band, one breaks out the old Park's McClellan algorithm, punches up Hilbert transform, picks the bands you want to transform and tell it to go. You do a spectrum of the response to see if you asked for too much and if so you make the filter longer or if that is undesirable you relax your request. In every modem I have written for the DSP thingy's I am working on, where there is a PLL, it is a beautiful thing to see the improvment in the performance gained by using the Hilbert transformer and doing a `perfect' SSB demod. There are NO mixing sum products coming out of the phase detectors that then require severe filtering (and adding a big group delay between the VCO input and the phase detector). The longest one I have is 49 taps in a PLL version of the HF modems that are standard in the multimode controllers (but optimized for the right shifts ;-). I also do filter based discriminators so that you can compare the performance. You will all be surprised. I believe in this case, unless you elaborate on your statement (which after all you said was opinion), I disagree with you conclusions concerning Hilbert transforms.
--

    My opinions are my own no matter | Robert W. McGwier, N4HY
    who I work for! ;-) | CCR, AMSAT, etc.

```
From 6465451652466446468
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b6fced14dbe7537
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 13:55:43 PST
Path: gmdzi!unido!mcsun!uunet!olivea!samsung!usc!elroy.jpl.nasa.gov!swrinde!
zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!
news.cs.indiana.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: new technician class
Message-ID: <1991Jan10.215543.2696@ux1.cso.uiuc.edu>
Date: 10 Jan 91 21:55:43 GMT
References: <126@canada.sbi.com>
Organization: University of Illinois at Urbana
Lines: 14

jerrys@canada.sbi.com (Jerry Simonowits) writes:

>    Anyone doing this is violating the rules which state that the VE has
>five (5) days to get the completed paperwork to the VEC who then has x
>days to get it to the FCC. You may have good intentions but it is against
>the rules. And, if you "stretch" the rules here, where else will it lead ...

There is no mention in the rule changes that the test must take place
on or after Feb 14 1991.  What the rules DO SAY is that the privileges
are in effect for licenses ISSUED on or after Feb 14 1991.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From -5249539749275752656
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b6fced14dbe7537
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 14:02:17 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!uwm.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: new technician class
Message-ID: <1991Jan10.220217.3624@ux1.cso.uiuc.edu>
Date: 10 Jan 91 22:02:17 GMT
References: <126@canada.sbi.com> <224@platypus.uofs.edu>
Organization: University of Illinois at Urbana
Lines: 40
Posted: Thu Jan 10 16:02:17 1991

bill@platypus.uofs.edu (Bill Gunshannon) writes:
```

```
>Which VEC is this person accredited by??  Sounds like something out of
>the ARRL, but if he is, he is still wrong, even by their standards.

>The following is extracted from The ARRL Letter, Vol. 9, No. 26 dated
>December 31, 1990:

>         Assuming the code-free Technician license becomes a reality on
>         February 14, amateurs who passed Element 2 and/or Element 3A
>         after February 14, 1990 may now qualify for (or have partial
>         ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
>         credit toward) the new license. (Element credit is good only
>         for 365 days from the examination date).

The ARRL does not make rules.

I suggest you look at the rule change itself (excerpted from the copy
of the report and order typed in by Phil Karn, KA9Q):

> 24. We are, accordingly, establishing the Technician Class as the
> codeless class of license that includes all amateur privileges above 30
> MHz. We are amending Section 97.301(c), however, to grandfather
> frequency privileges below 30 MHz to current Technician Class licensees
> as well as to authorize these privileges to those holding a Technician
> Class license issued on or after February 14, 1991, who pass a
        ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
                ^^^^^^
                ^^^^^^
> telegraphy examination. [37]  This satisfies our objectives of
> establishing a type of codeless class of license that can be
> implemented promptly and avoiding negative effects upon the work of the
> VEs or upon our workload and resources.

The rules simply do NOT state one way or the other whether or not the
tests must be actually passed on or after February 14, 1991.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From 294461067501364482
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38c4eaa8309c5b10
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 14:07:01 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: EQ for Microsats, DSP, etc.
Message-ID: <851@idacrd.UUCP>
Date: 10 Jan 91 22:07:01 GMT
References: <405@plato.hera.Sbi.Com>
```

Organization: idacrd, princeton, nj
Lines: 79

From article <405@plato.hera.Sbi.Com>, by jl@hera.Sbi.Com (Jean-Louis Ecochard):

> A recent article with this subject mentions the PK-232 and new AEA DSP product.
> I just purchased a PK-232 (as an alternative to the M7000) and was
> not aware of the forecoming DSP products. I also wanted to keep the
> system at a reasonable cost. I have a couple of questions:
>
> - Is there a way to Better the PK-232. Specially in RTTY
>   with the 170/200 Hz filter problem. I would like to keep
>   the ability to have 200Hz filters for packet. May be
>   some tuning, a switched capacitor/resistor or altogether
>   a better external modem ...

Jean-Louis:

Sorry, I cannot give you an easy answer. You could indeed proceed the bandpass filter in the AEA unit by yet another bandpass filter that is slightly tighter however. You would almost surely have to follow this with an all pass filter to right the wrong you did by introducing additional phase group delay but I have NOT made calculations to prove this. It seems clear that to make the Q of the filter much high (narrower) would almost require you to place a several pole filter out front. An ALL PASS filter can be used to do some equalization but the design of this would require many hours of analysis that I cannot do. Possibly you can do this?

> - The AEA DSP being out of my financial range (for now) do
>   you know of a product (kit/circuit design/commercial) that
>   could allow me to do DSP on my laptop (no slot inside).
>   An A/D converter between the audio and the RS-232 of the
>   PC may be enough. I would write the softwar including
>   FFTs. I wrote software for an EEG on the PC. Displaying
>   brain waves or radio waves should be pretty close in
>   theory (program wise that is).

The only ones that I am aware of that are remotely close to being real are

The AEA unit has the first 100 rolled onto the assembly line this week and will be shipping soon and the TAPR / AMSAT TMS320C25 board. Alas, notice I said board. It is indeed a plug in board. As late as two weeks ago, I heard LL Grace on the air trying to get the AX.25 handler working in the DSP-12. There were broken AX.25 (but well formed HDLC since the chip does that for you for free) packets. I cannot therefore include it in the list of things I believe are close to reality. Three weeks ago, the unit had not been FCC certified but I do not know the current status. Caveat Emptor.

The exact status of the AEA box is that 5 will be done, fired up and tested, and if this went well the other 95 will roll off the assembly line. The TAPR/AMSAT DSP card is in its second incarnation (second round of copper) and it should be ready for shipping within the next 6 months, given no major headaches between now and then. Do not ask me for availability dates/prices. I do not know. Call AEA and/or TAPR for the answer.

> - You mention good results using discone antennas. I am curious. I have an ICOM R7000 and a discone, the local satellite shop told me NO WAY, I think they are just trying to sell me their equipment. What is your opinion concerning whether or not I can get satellites with my equipment.
>

What do you mean? I was specifically referring to birds in the amateur satellite service. If you mean television satellite and using an R7000 and a discone as a TVRO setup, your local shop is right. There is no free launch here ;-).

Bob

```
--
-----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
-----------------------------------------------------------------------------
```

From 959602845098267742
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f3d7941bd8c8659,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 14:11:09 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!uwm.edu!bionet!agate!ucbvax!lsuc.UUCP!jim
From: jim@lsuc.UUCP
Newsgroups: rec.ham-radio
Subject: please remove
Message-ID: <m0iuAUQ-0001OZC@lsuc.lsuc.on.ca>
Date: 10 Jan 91 22:11:09 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12

anyone @ canrem.uucp
anyone @ canremote.uucp

canrem.uucp is a PC based BBS, which is not allowing it's users to subscribe directly to mailing lists.

```
--
[ Jim Mercer  jim@lsuc.On.Ca  || ...!uunet!attcan!lsuc!jim    +1 416 947-5258 ]
[ Educational Systems Manager - Law Society of Upper Canada, Toronto, CANADA  ]
[ Standards are great. They give non-conformists something to not conform to. ]
[      The opinions expressed here may or may not be those of my employer     ]
```

From 474509657888125022
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38c4eaa8309c5b10
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,38c4eaa8309c5b10
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1991-01-10 14:14:07 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!usc!sdd.hp.com!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: RE: EQ for Microsats, DSP, etc.
Message-ID: <852@idacrd.UUCP>
Date: 10 Jan 91 22:14:07 GMT
References: <703@sousa.enet.dec.com>
Organization: idacrd, princeton, nj
Lines: 36
Xref: gmdzi rec.ham-radio:19140 rec.ham-radio.packet:3382

From article <703@sousa.enet.dec.com>, by hicks@nikkor.enet.dec.com (Chas Hicks):

>
> Open discussions like this are, I feel, invaluable in helping
> understand and sort out the technical tradeoffs for products like
> this. As one of the design engineers, your comments and feedback
> have been very valuable to me in deciding which way to go.
> Thanks for ALL of the information yo have shared!
> --chas hicks, WB0LJP
> ps: will you be at Dayton?

It's my pleasure. I do it for the kick and I really do enjoy the technical tinkering around. Enjoy, is not a strong enough word, I can't live without it ;-).

I am always at Dayton, missed only once in the last 15 years, and last year was the absolute pits in that I didn't get to go to the packet dinner at McNasty's. Since there is little hope that I will be Ham of the Year ;-), I suspect that I will be at McNasty's this year.

I am also giving talks in the Digital Forum (primarily but not limited to RTTY, AMTOR, Baudot), the Packet Forum, and the AMSAT forum as well. AMSAT has adopted officially a new satellite project and so far, Dick Jansson, WD4FAB and I have been doing most of the technical work on this side of the pond. I need to report on that project's work and show some working computers, transmitters and the like.

I hope to see you there.

Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

```
From 585733678442910131
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1762e5b679680a8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 14:27:10 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!
hpda!hpcuhb!hpscdc!rkarlqu
From: rkarlqu@hpscdc.scd.hp.com (Richard Karlquist)
Newsgroups: rec.ham-radio
Subject: Re: R5 vs AP-8 ?
Message-ID: <5490112@hpscdc.scd.hp.com>
Date: 10 Jan 91 22:27:10 GMT
References: <9101082029.AA11489@ucsd.edu>
Organization: Hewlett-Packard, Santa Clara Div.
Lines: 31
```

Some comments on the Butternut vertical vs. the R5:

I have a Butternut vertical with a WARC kit. The vertical works
fine on 30, 20, 15, and 10. It works pretty well on 40 meters
since it is nearly a quarter wave there, altho it doesn't cover
the whole band (if yours does, it has high ground losses).
It is quite dependent on ground radials.
You MUST have two TUNED radials per BAND.
Random length radials detune the antenna, if they work at all.

HOWEVER, the 12 and 17 meter WARC kits work very poorly. They
are very hard to tune (lower antenna, move tap 1/4 inch, retry),
and barely cover the 50 kHz. band.

Remember that the R5 is only about 20 feet long. It is really
only a little over a quarter wave on 20 meters. Tuning it to
an "electrical half wave" exacts a high penalty in terms of
efficiency and/or bandwidth. The radiation resistance of a
quarter wave dipole is only a few ohms (measured at the center).
This isn't obvious due to the end feeding. You would be a lot
better off with the Butternut, if you could handle the radials.

Or do what I did, and put up a full size half wave 20 meter vertical
(33 feet high). Then you have the best of both worlds.   Covers
the whole band without retuning too.

Rick N6RK

```
From 813475040383756074
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38c4eaa8309c5b10
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 14:29:43 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: EQ for Microsats, DSP, etc.
Message-ID: <855@idacrd.UUCP>
Date: 10 Jan 91 22:29:43 GMT
References: <1991Jan7.081055.932@brainiac.mn.org>
Organization: idacrd, princeton, nj
Lines: 24
```

```
From article <1991Jan7.081055.932@brainiac.mn.org>, by jrc@brainiac.mn.org
(Jeffrey Comstock):
> In article <405@plato.hera.Sbi.Com> jl@hera.Sbi.Com (Jean-Louis Ecochard)
writes:
>>A recent article with this subject mentions the PK-232 and new AEA DSP product.
>>I just purchased a PK-232 (as an alternative to the M7000) and was
>                                   ^^^^^^^^^^^^^^^^^^^^^^^^
>
> Whoa - isn't the difference between a PK232 and an M7000 kind of like the
> difference between a 3 wheeled roller skate and the starship Enterprise ?
>
> Jeff - NR0D
```

I wouldn't bet cold green cash on it. You would not believe how hard
I worked to significantly outperform the PK-232 in DSP. Put them side
by side and do an on the air BER test.

Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

```
From 8461734520788492068
X-Google-Language: ENGLISH,ASCII-7-bit
```

X-Google-Thread: 10c9e3,aea5c6ad8072235f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 14:32:42 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!samsung!rex!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: DSP for the non-EE
Message-ID: <856@idacrd.UUCP>
Date: 10 Jan 91 22:32:42 GMT
References: <Y4L+BM+@irie.ais.org>
Organization: idacrd, princeton, nj
Lines: 23

From article <Y4L+BM+@irie.ais.org>, by danr@ais.org (Daniel Romanchik):
> Is anyone making prototype DSP hardware? All this sounds like
> fun to a compu-weenie (and ham) like me.
> 73, Dan KB6NU
>

Dan:

The quick answer is yes.   AEA is rolling the first of their units
off the assembly lines, LL Grace is advertising something in QST,
and TAPR/AMSAT have gotten their prototypes plug in card up and running
like a champ.

More details are available in other replies.

Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From -4799922887440577001
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1bfe99081f447df
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 14:47:36 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!news.cs.indiana.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: A New Topic to Beat to Death! (Was Codeless Tech)
Message-ID: <1991Jan10.224736.12403@ux1.cso.uiuc.edu>
Date: 10 Jan 91 22:47:36 GMT
References: <134353@tiger.oxy.edu> <1250325@hpnmdla.HP.COM>
<1871@sun13.scri.fsu.edu> <1991Jan10.205605.4469@midway.uchicago.edu>

Organization: University of Illinois at Urbana
Lines: 74
Posted: Thu Jan 10 16:47:36 1991

pbhx@ellis.uchicago.edu (Peter B. Hayward) writes:

>First, you cannot "reapply for a full Tech (with new call letters, maybe?)" because such will not is issued after 2/14/91.

>Such *will* exist if the ticket is dated on or before 2/13/91, but after that, the Tech license issued by the FCC is a codeless Tech license. One can *get* the equivalent of "full Tech" privileges by having a CSEC for 1(A), the 5 wpm test, but the FCC Tech license issued after 2/13/91 will have no way to indicate possession of that CSCE.

What about those who lost their "pre 91.02.14 Tech" license and get a replacement from the FCC, which will have an issue date AFTER Feb 14 1991?

>(Admittedly, the FCC has asked VECs to provide them with lists of codeless Techs who earn the 1(A) CSEC, but, as indicated below, the FCC has not figured out how to handle that data.)

They must not have read ALL of my comments in 90-55 (though they did read at least paragraph 3 as they mentioned in the Report and Order). My comments, in paragraph 6, informed the FCC of the difficulty in processing licenses with an indefinite CSCE system.

>***Now, here is the wonderful new topic to beat to death.****

>You ask if you can pass 1(A) "in front of two Generals" and thus earn HF privileges for a codeless Tech license.

>I believe the answer is no, and for the simple reason that only VEs can issue a CSEC.

Technically speaking, you can TAKE it, and you might even PASS it, but Peter is correct, you won't have the all-important CSCE.

>In its order, the FCC is very clear that you must have a CSEC; it could have but did *not* say that one simply had to pass 1(A). The order says you must have a CSEC; that is the key.

But not everyone will have the CSCE:

1. Novices who upgrade to Tech after Feb 14 1991 will NOT have a CSCE although the VE administering the elements 2 and/or 3A could write one up.

2. Those who have to get a replacement license for a lost one.

>33. We do not foresee, moreover, that there will be any increase in enforcement difficulty resulting from using the CSCE to document the

>passing of a telegraphy examination for an indefinite period. Our
>rules already authorize a licensee holding a CSCE to exercise the
>rights and privileges of the higher operator class for a period of up to
>365 days. [52] This provision has not resulted in any increased
>enforcement burden. Section 97.301(e) is amended, therefore, to
>implement our proposal to use the CSCE to document indefinitely the
>passing of a telegraphy examination for the purpose of authorizing to
>codeless Technician Class licensees privileges below 30 MHz. We will
>confer with the VECs to establish a schedule for reporting the call
>signs and names of "Technician Plus CSCE Class" operators. [53]

Again, this does NOT cover all the possible ways one would be a "Tech
with HF". There are THREE such ways:

1. New Tech passing 1(A).

2. Novice upgrading to Tech.

3. Tech before Feb 14, 1991.

The CSCE scheme only addresses ONE of these ways.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 4635508566896878617
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 14:58:12 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!samsung!zaphod.mps.ohio-state.edu!
swrinde!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Rigs for beginners? (Was Re: Comments needed...)
Message-ID: <7880412@hpfcdc.HP.COM>
Date: 10 Jan 91 22:58:12 GMT
References: <2992@ux.acs.umn.edu>
Organization: HP Fort Collins, Co.
Lines: 23
Posted: Thu Jan 10 16:58:12 1991

>>I myself am interested in any comments that you people may have on Icom's
>>725, 726, and 735 models. How is the performance on these beasts? How easy
>>are they to use? Things like that.
>>
>>I'd love to hear anything that you all may have to say on this.
>
>I've posted extensively on this before so I'll try to keep this short. :-)
>
>[stuff deleted]

```
>
>Gary KE4ZV


By casually looking at the HRO spec sheet, the FT-757 appears to have more
features than the IC-735.  I must be missing something that the spec sheet
doesn't divulge.

I'm looking for an exceptional receiver, including passband tuning (some
call it IF Shift),and a built-in CW keyer.  The 757 has this, but the
735 does not.  Is the 735 better because it has a better receiver, which
is a highly-weighted criterion ?

Perry / KF0CA


From 2484060076186990998
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29b4a11527361cbc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-10 15:03:21 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!mit-eddie!media-lab!garp!henry
From: henry@garp.mit.edu (Henry Mensch)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <4819@media-lab.MEDIA.MIT.EDU>
Date: 10 Jan 91 23:03:21 GMT
References: <1991Jan6.204033.19970@informix.com> <41aFV2w163w@phoenix.com>
<49974@sequent.UUCP>
Sender: news@media-lab.MEDIA.MIT.EDU
Reply-To: henry@GARP.MIT.EDU (Henry Mensch)
Organization: MIT Project Athena External Relations
Lines: 10
Xref: gmdzi rec.radio.shortwave:3428 rec.ham-radio:19137

edw@sequent.UUCP (Ed Wright) writes:
|> I would be really interested to know of an RS store that refused your cash.

the RS on massachusetts avenue in boston in the church park complex has
refused my cash twice because i would not provide address/phone information.

--
# Henry Mensch    /   <henry@garp.mit.edu>   /   E40-379 MIT,  Cambridge, MA
# <hmensch@uk.ac.nsfnet-relay> / <henry@tts.lth.se> / <mensch@munnari.oz.au>
#     via X.400: S=mensch; OU=informatik; P=tu-muenchen; A=dbp; C=de


From -701591616540741289
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1991-01-10 15:22:43 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!VAX1.CC.UAKRON.EDU!
mcs.kent.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <1991Jan10.232243.8753@NCoast.ORG>
Date: 10 Jan 91 23:22:43 GMT
References: <42229@ut-emx.uucp> <1991Jan8.172554.17706@athena.cs.uga.edu>
<657@chiton.ucsd.edu>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 31

As quoted from <657@chiton.ucsd.edu> by rec@chiton.ucsd.edu (Richard Currier):
+---------------
| ing your anti-CW attitude. The only snobbery is in your own mind. Please give
+---------------

And in the minds of people who post everybody-ought-to-work-CW messages
multiple times per day....

+---------------
| the mode a break. CW OPs are the least elitest, most open minded group of hams
| you will find. Don't take my word for it. Break out your key and give it a try.
+---------------

...except for the fact that they stick to their cliques down in the bottom
25kHz of the bands instead of circulating about the bands and maybe
encouraging a few hams to, say, try homebrewing.

And posting messages about how *we're* all snobs because *they* won't work
us.

When's the last time you did RTTY? Mine was last night. I can, by analogy to
your argument, claim that you are an anti-RTTY elitist snob because I haven't
heard you in the RTTY sub-bands. But I don't do so, because I don't think
it's true. Unlike some people.

++Brandon
--
Me: Brandon S. Allbery   VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG   Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR   AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery   Delphi: ALLBERY

From 5883770063595710591
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9db0794c573ac9f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 15:42:08 PST

Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!VAX1.CC.UAKRON.EDU!
mcs.kent.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: Ramsey kits
Message-ID: <1991Jan10.234208.9628@NCoast.ORG>
Date: 10 Jan 91 23:42:08 GMT
References: <NELSON.91Jan8160136@sun.soe.clarkson.edu>
<10076@pasteur.Berkeley.EDU> <142708.22800@timbuk.cray.com>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 26

As quoted from <142708.22800@timbuk.cray.com> by wws@raphael.cray.com (Walter
Spector):
+---------------
| Speaking of kits, when I was at the 'Q'* the other day they had some neat
| little kits made by Ramsey Electronics for $25-$35 each. Has anyone tried
| building these things? They had a bunch of QRP transmitters, keyers, and
| receivers and people were buying them almost as fast as the guys could
| stock the shelves!
+---------------

I've built the 220MHz FM receiver, HF/VHF active antenna, and 40m receiver
kits. The only problem I had was that some parts were missing... most of them
were available at Radio Scrap [;-)], however. Others locally have built the
2m amplifier and radar gun kits.

+---------------
| No DSP kits for 30 bucks though. :-(
+---------------

That'll be the day....

++Brandon
--
Me: Brandon S. Allbery   VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG   Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR   AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery   Delphi: ALLBERY

From -3908354613448230473
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29b4a11527361cbc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-10 15:57:16 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!VAX1.CC.UAKRON.EDU!
mcs.kent.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)

```
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <1991Jan10.235716.9949@NCoast.ORG>
Date: 10 Jan 91 23:57:16 GMT
References: <41aFV2w163w@phoenix.com> <1991Jan8.193844.11586@alias.uucp>
<1991Jan10.051653.3016@athena.cs.uga.edu>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.radio.shortwave
Organization: North Coast Computer Resources (ncoast)
Lines: 15
Xref: gmdzi rec.radio.shortwave:3443 rec.ham-radio:19157

As quoted from <1991Jan10.051653.3016@athena.cs.uga.edu> by
mcovingt@athena.cs.uga.edu (Michael A. Covington):
+---------------
| Also, the concept of "legal tender" means that a merchant
| has to accept cash; can't hold out for some other kind of payment.
+---------------

Even a relatively stupid lawyer should be able to argue successfully that my
name and address are "some other kind of payment".

++Brandon
--
Me: Brandon S. Allbery               VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG              Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR               AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY


From 1381265837457328112
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a69f5190ce9bd710
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 16:03:24 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!att!pacbell.com!ucsd!usc!
elroy.jpl.nasa.gov!ncar!gatech!prism!mailer.cc.fsu.edu!sun13!murray
From: murray@sun13.scri.fsu.edu (John Murray)
Newsgroups: rec.ham-radio
Subject: Re: How to find WB8ECC?
Message-ID: <1877@sun13.scri.fsu.edu>
Date: 11 Jan 91 00:03:24 GMT
References: <CMM.0.88.663531738.rdixon@magnus.ircc.ohio-state.edu>
Organization: SCRI, Florida State University
Lines: 28

In article <CMM.0.88.663531738.rdixon@magnus.ircc.ohio-state.edu>
Bob_Dixon@osu.edu writes:
>I am the QSL manager for the 8E callsigns. I have about 100 cards for
>WB8ECC, and they are still coming in. He has never sent in any envelopes,
>but I would like to ask him to do so. But he has not been listed in

I happened to be playing with the recently advertised callsign server at
```

marvin.cs.buffalo.edu port 2000. On the off chance, I typed in wb8ecc and got:

```
Call-Sign: WB8ECC                    Class: ADVANCED
Real Name: JAMES O GROVE             Birthday: JUL 1, 1948
Mailing Address: RT 1 BOX 154, BENS RUN, WV  26135
Station Address: ON COUNTY RD 7/2 2 MI E ARVILLA INT, BENS RUN, WV
Valid From: DEC 31, 1982             To: DEC 31, 1987
Records Last Processed: JAN 7, 1983
```

>Is his license expired and he doesn't know it?

Looks like, unless the records are messed up.. Hey! He's got a 5-year
license - Maybe he thought he had a 10-year?

```
>                                  Bob Dixon
>                                  W8ERD
```

```
--
Disclaimer: Yeah, right, like you really believe I run this place.
John R. Murray              |        "Never code anything
murray@vsjrm.scri.fsu.edu   |          bigger than your head.."
Supercomputer Research Inst.|               - Me
```

```
From 388987475494920118
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,416a0629f8f546f8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 16:37:02 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!lavaca.uh.edu!
menudo.uh.edu!lobster!urchin!f8324.n106.z1.fidonet.org!Christopher.Boone
From: Christopher.Boone@f8324.n106.z1.fidonet.org (Christopher Boone)
Newsgroups: rec.ham-radio
Subject: this area?
Message-ID: <5515.278D8005@urchin.fidonet.org>
Date: 11 Jan 91 00:37:02 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8324 - Far Point Relay Ham, Katy Tx
Lines: 2
```

is this area dead or is it just this end of the system?? Sure has been quiet!
WB5ITT

```
From -922955900888948290
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a957b481268e2f40
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 17:00:10 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!sdd.hp.com!wuarchive!
rex!uflorida!gatech!rutgers!njin!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
```

```
Subject: Re: Other's view of codefree
Message-ID: <Zm5kV2w163w@phoenix.com>
Date: 11 Jan 91 01:00:10 GMT
References: <1045.278C6E60@w8grt.fidonet.org>
Organization: Not BIFF At All (NBAA)
Lines: 20


jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

>  >     So, since the Fido document doesn't show that anyone is attracted,
>  > then it does not demonstrate that any fears are unfounded. It may still
>  > be that only radical outlaw CB'ers will be attracted. The Fido post
>  > didn't
>  > say any Fido people were.
>
> "Attracted" = "Their curiosity is aroused".
>
> Sheesh!

   Nothing in that document showed that anyone (including the author)
was attracted to ham radio. Or, in terms you want, nothing said that
anyone had their curiosity aroused.

   Your definition is rather poor. My curiosity is aroused as to why you
think a recap of the new license posted in Fido means that Fido people
are attracted, but I certainly am not attracted by it.


From -5670477301935278461
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,29b4a11527361cbc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 17:13:46 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!voder!pyramid!
ctnews!risky!!scottl
From: scottl@convergent.com (Scott Lurndal)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <2413@risky.Convergent.COM>
Date: 11 Jan 91 01:13:46 GMT
References: <1991Jan6.204033.19970@informix.com> <41aFV2w163w@phoenix.com>
<1991Jan8.193844.11586@alias.uucp>
Sender: root@risky.Convergent.COM
Reply-To: scottl@convergent.com (Scott Lurndal)
Organization: Unisys Network Computing Group
Lines: 30
Xref: gmdzi rec.radio.shortwave:3451 rec.ham-radio:19188

In article <1991Jan8.193844.11586@alias.uucp>, chk%alias@csri.toronto.edu writes:
|> In <41aFV2w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
```

|>
|> >randall@informix.com (Randall Rhea) writes:
|>
|> >   I have never had a K-Mart, Sears, etc, salesperson refuse to make a
|> >cash sale to me. I HAVE had Radio Shack people refuse CASH. Why? Because
|> >I wouldn't give them my name and address. No, cash being waved in their
|> >face is NOT sufficient to buy something from Radio Shack.
|>
|> It is AGAINST THE LAW in both Canada and the United States to refuse a cash
|> transaction in this context. Under the strictest legal interpretations, if
|> they refuse cash you are legally entitled to walk from the store with your
|> purchase in hand, because they have 'refused payment'.
|>
|> Essentially, by refusing to accept cash they are giving you your purchase
|> for free!
|>
|> As with all free legal advice; caveat emptor. I have never tested this in
|> court, although the bluff has always worked.
|>

This same sort of thing also applies to establishments that refuse currency
denominations greater than $20, I believe. The wording on all currency
states that it is "legal tender for all debts, public and private".

|> --
|> C. Harald Koch VE3TLA   Alias Research, Inc., Toronto ON Canada
|> chk%alias@csri.utoronto.ca   chk@gpu.utcs.toronto.edu   chk@chk.mef.org
|> "I think you curdled my Pepsi!"-Gerry Smit, in response to sickening cuteness

From 8312054930542310243
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9db0794c573ac9f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 17:51:08 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!apple!mips!kochab!rnovak
From: rnovak@mips.COM (Robert E. Novak)
Newsgroups: rec.ham-radio
Subject: Re: Ramsey kits
Message-ID: <44735@mips.mips.COM>
Date: 11 Jan 91 01:51:08 GMT
References: <NELSON.91Jan8160136@sun.soe.clarkson.edu>
<10076@pasteur.Berkeley.EDU> <142708.22800@timbuk.cray.com>
Sender: news@mips.COM
Reply-To: rnovak@mips.COM (Robert E. Novak)
Organization: MIPS Computer Systems, Sunnyvale, CA
Lines: 36

In article <142708.22800@timbuk.cray.com> wws@raphael.cray.com (Walter Spector)
writes:
>> They make a variety of UHF/VHF kits, including transverters. I have
>
>Speaking of kits, when I was at the 'Q'* the other day they had some neat

>little kits made by Ramsey Electronics for $25-$35 each. Has anyone tried
>building these things? They had a bunch of QRP transmitters, keyers, and
>receivers and people were buying them almost as fast as the guys could
>stock the
>shelves! (This was right before Xmas - mothers were probably buying them
>for their kids...) I would have bought one but they were sold out of the
>ones I was interested in!
>
>No DSP kits for 30 bucks though. :-(
>
>Walt Spector
>(wws@renaissance.cray.com)
>Sunnyvale, California
>_._ _._ _.... _. ._.
>
>* = Quement Electronics (i.e., the Bascom Bandit) in San Jose.

I bought one of those kits to make a converter to turn your AM radio into
a ShortWave receiver. The kit was nice, the directions were fine (I had
some problems with part identification but even a software weenie can learn
something new). I used my Sony 2010 to 'tune' the oscillator circuit to
about 9 MHz. Then I hit the glitch. All of the radios in my house with
external AM antenna connections are Digital Tuning. This little unit
requires (but does not mention) that you use a radio with analog tuning. I
was hoping to use it in the car, but both cars also have digital tuning.
Aaargh! My two choices seem to be: design an alternate crystal-based
oscillator or design a PLL. Both of which are beyond my current
capabilities, but I'm heading to the library.
--
Robert E. Novak   Mail Stop 5-10, MIPS Computer Systems, Inc.
{ames,decwrl,pyramid}!mips!rnovak   950 DeGuigne Drive, Sunnyvale, CA 94086
rnovak@mips.COM   (rnovak%mips.COM@ames.arc.nasa.gov)   +1 408 524-7183

From 7595260995574029406
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29b4a11527361cbc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-10 18:48:06 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!snorkelwacker.mit.edu!
apple!usc!samsung!spool2.mu.edu!uunet!midway!gargoyle!igloo!ddsw1!obdient!gagme!
grahj
From: grahj@gagme.chi.il.us (jim graham)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <1008@gagme.chi.il.us>
Date: 11 Jan 91 02:48:06 GMT
References: <1991Jan6.204033.19970@informix.com> <41aFV2w163w@phoenix.com>
Followup-To: rec.radio.shortwave
Organization: GAGME - Public Access UNIX of Chicago, Illinois, USA, Earth
Lines: 31

Xref: gmdzi rec.radio.shortwave:3486 rec.ham-radio:19281

In article <41aFV2w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
>
> I have never had a K-Mart, Sears, etc, salesperson refuse to make a cash sale to me. I HAVE had Radio Shack people refuse CASH. Why? Because I wouldn't give them my name and address. No, cash being waved in their face is NOT sufficient to buy something from Radio Shack.

Ok, I wasn't going to follow up on this, but after reading so many, I have to.... :-)

Here's what you do --- if they flatly refuse to accept payment for their products, what else can you do? They're free....don't complain! ;-}

(btw, this response is prompted by an incident at work where a friend of mine got a cash advance of several hundred dollars, and the bank failed to get records of this to accounting...they therefore refused to accept his written statement that he had indeed gotten this money, and, after several arguments where he tried to convince them that he wasn't telling lies, they "forced" him to accept a refund of the full amount!)

If someone insists on giving you something for free, even when you try to pay for it, hey...don't complain!

```
-------------------------------------------------------------------------------
Share and Enjoy!  (Sirius Cybernetics Corporation, complaints division)
73, de n5ial

TCP/IP:    jim@n5ial.ampr.org --- 44.72.0.88
Packet:    n5ial@wb9mjn (Chicago, IL USA)
Internet:  grahj@gagme.chi.il.us
-------------------------------------------------------------------------------
```

From 320641702277042537
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ccd94040315cfee1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-10 19:10:31 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!swrinde!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpcc05!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Re: Radio Shack Bashing
Message-ID: <27080050@col.hp.com>
Date: 11 Jan 91 03:10:31 GMT
References: <9101080311.AA17119@tilde>
Organization: HP Colorado Springs Division
Lines: 9
Posted: Thu Jan 10 21:10:31 1991

Re: Radio Shack bashing

Is it too late to add rec.radio.shack so y'all have a nice quiet
place to complain about RS? Seems like this comes up every few months.

Bob, KB0CY

"If you don't like it, don't buy there. End of problem."

From 526160677300551271
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f31b2eda292fd0d4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 22:50:02 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!yale!venus!yalevm!maine!gandalf!gandalf.umcs.maine.edu!steve
From: steve@gandalf.umcs.maine.edu (Steve E. Goldsmith)
Newsgroups: rec.ham-radio
Subject: Motorolla HT220 question
Message-ID: <5021@gandalf.UMCS.Maine.EDU>
Date: 8 Jan 91 16:05:13 GMT
Sender: news@gandalf.UMCS.Maine.EDU
Reply-To: steve@gandalf.umcs.maine.edu (Steve E. Goldsmith)
Lines: 20
Nntp-Posting-Host: gandalf.umcs.maine.edu

Hi world,

I've got a couple of motorolla ht-220's which have crystals in them
for 16x.xx. We would like to use them on 155.xx. Does anyone know if
it is as simple as just changing the crystals and tuning the thing?
If so, can someone give me some tips on tuning them?

Thanks much,
/Steve

--
```
+-----------------------------------------------------------------------+
|                           Steve E. Goldsmith                          |
|                     Systems and Operations Manager                    |
|             University of Maine Department of Computer Science       |
|                                                                       |
| steve@UMAINECS.bitnet                   115 Neville Hall              |
| steve@gandalf.UMCS.Maine.EDU            Orono, Maine 04469            |
|      ka2rxo                             (207)581-3945                 |
+-----------------------------------------------------------------------+
```

From -3439072890904801697
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ffd0a142b487c22
X-Google-Attributes: gid10c9e3,public

```
X-Google-ArrivalTime: 1991-01-08 22:52:05 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: FCC via Internet
Message-ID: <1018.2789CFF3@w8grt.fidonet.org>
Date: 8 Jan 91 19:11:05 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 37


 > From: pozar@kumr.UUCP (Tim Pozar)
 > Date: 7 Jan 91 05:43:11 GMT
 > Organization: Late Night Software (San Francisco)
 > Message-ID: <280@kumr.UUCP>
 > Newsgroups: rec.ham-radio
 >
 > In article <996.2786147F@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org
 > (Jim Grubs) writes:
 > >For the benefit of whoever asked:
 > >
 > >They have no uucp map according to UUNET.UU.NET. House of Representatives,
 > yes.
 > >Department of Labor, yes. Federal Reserve Board, yes. Democratic National
 > >Committee, yes.
 >
 >    Hmmm, I just sent a copy of Zmodem to the FCC's 'UNIX guru' in D.C.
 > I would imagine that there is some manner or method to get mail to them.
 > I'll ask my contact.

I hope you can come up with something. Offhand, I can't imagine what that
would might be that is not already be in the Rutgers maps, but good luck.

That FCC BBS is not worth much. I've yet to see anything affecting ham radio
except possibly the WARC-92 thing.

BTW, I'm already making good use of the House of Representatives map to send
e-mail to my Congressmensch Marcy Kaptur to ask for consumer protection
legislation controlling the Lotus CDROM thing. It will also be used to
support HR-73, the bill to outlaw further reduction of ham bands by the FCC.

I used marcy.kaptur@house.UUCP. We'll see whether that reaches her.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org


From 312250318451134341
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,97b00214c527ef7b,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1991-01-08 22:52:29 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!pa.dec.com!shlump.nac.dec.com!esis.enet.dec.com!magid
From: magid@esis.enet.dec.com (Joel Magid...)
Newsgroups: rec.ham-radio
Subject: Actions speak louder than words
Keywords: code no-code
Message-ID: <18792@shlump.nac.dec.com>
Date: 8 Jan 91 18:48:48 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 15

1. Lets stop complaining here in this notes file about code / no-code.

2. All efforts to support either code or nocode should be directed to the FCC, the ARRL, and others who can HELP make whatever you support happen. (Get involved)

3. If each of us spent the amount of time doing as opposed to complaining here look how much activity would really happen, and maybe the HOBBY would be better for it.

!!!!!!!!!!!!DONE!!

From 930661847646618990
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 22:54:30 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <1991Jan8.184642.19354@athena.cs.uga.edu>
Date: 8 Jan 91 18:46:42 GMT
References: <19917.799.7009@canrem.uucp> <837@wells.UUCP>
Organization: University of Georgia, Athens
Lines: 19

I wonder if a super-simple homebrew 2-meter transmitter might be feasible.

Motivation: Many new hams already have a receiver (a scanner) but no transmitter, and would like to talk on the local repeater.

Approach: Get a scanner crystal that is designed for 10.7 MHz above your desired transmit frequency. E.g., if you want to transmit on 146.000, get a 156.700-MHz scanner crystal.

This will oscillate (in overtone mode) at (156.7 - 10.7) / 3, or
48.66667 MHz. Triple this, and you're on 146.000.

For modulation, use either a varicap in the crystal circuit, or some
kind of reactance phase modulation.

Power output could be very low; even 0.02 watt will work the local repeater.

In sum, something comparable to a baby monitor transmitter would help
new hams get on 2m. Comments, anyone?

From 8616645584931325122
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3dd5b3f0d1faf6f7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 22:56:58 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!rochester!kodak!eastman!
chekovkodak.com!lewis
From: lewis@kodak.com (Ken Lewis)
Newsgroups: rec.ham-radio
Subject: Re: ARRL RECONSIDERATION?
Message-ID: <1991Jan8.135009@chekovkodak.com>
Date: 8 Jan 91 18:50:09 GMT
References: <1991Jan4.041908.8308@yenta.alb.nm.us>
<958.27835538@w8grt.fidonet.org>
Sender: news@eastman.UUCP
Reply-To: lewis@kodak.com
Organization: Eastman Kodak Co.
Lines: 24

|> Oh well, I'm not saying anything that hasn't been said before ... I am
|> 24 now. When I was 20 I went to a local ham club meeting. The next
|> youngest person was 35, then 50+ all the way. Is amateur radio the
|> exclusive old-timer's hobby, or are we young hobbyists welcome?

One reason you see that "gap" is time. I will admit that is not the
only one. I am in the middle of that gap and I only seem to
operate during drive time on 2m/70cm bands.   For me time is a
premium. A lot of times, I have a hard time trying to tune in the
FM net on a Sunday evening. I can see myself enjoying a lot of
hours in front of a rig when I get the kids out of the house!
(around early fifties). I guess that is a problem when you have a
lot of interests competing for the two hours in the evening after
kids are in bed and couple of hours to spend by yourself on a
weekend.

73's
Ken Lewis

==
Eastman Kodak Company.   Radio: N2LCI

```
Rochester Distributed Computer Service     Internet:    lewis@kodak.com
Rochester NY 14652-3302           AT&T:   (716)-722-3438
===============================================================================
```

From 7348412188386703599
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1762e5b679680a8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 23:02:43 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
S51.PRIME.COM!BUSH
From: BUSH@S51.PRIME.COM
Newsgroups: rec.ham-radio
Subject: R5 vs AP-8 ?
Message-ID: <9101082029.AA11489@ucsd.edu>
Date: 8 Jan 91 20:30:29 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 39

>Date: Tue, 8 Jan 91 09:14 EST
>From: Steve Mosier <MOSIER%UNCG.BITNET@ncsuvm.ncsu.edu>
>Subject: R5
>To: info-hams@ucsd.edu

>I've seen many articles here over the past 6 months on the R5, including this
>week's comments. Off the list, though, I hear a lot of people say, "Get a
>Butternut vertical and you'll have 80 and 40 as well." Can anyone offer a
>comparison of the Cushcraft and Butternut verticals?

Steve, you must read the additional information! The R-5 is a 5-band HALF WAVE antenna! It needs NO RADIALS !!!!!

The Other verticals are nominal QUARTER WAVE antennas which REQUIRE!!!! 1/4 WAVE RADIALS--preferably a minimum of four per band. I believe if you look carefully, that the Butternut, Hy-Gain, and even Cush-Craft verticals do not yet have the WARC band capability. The other problem, as I see it, is the 25 kHZ you get on 80 meters (remember, these are SHORTENED quarter wave antennas!!!) just isn't worth the hastle of setting out 20 meter long radials.

Mounting of the R-5 is according to your circumstances. I have mine on the chimney at 35'. Others have them on the top of the mast on their towers. The higher--again, my opinion--the better. Consider putting an AP-8 at 70' some time. Where do you put the radials? How do you tweak the antenna when that 25 kHz isn't the right part of the band? Why tweak? I have an extra friend with his set for the bottom of the CW band. He couldn't work me (when I had my novice) because the antenna was a dummy load for the Novice 80 Meter segment--unless he retuned the antenna--a real hastle in the snow and ice.

A downer. The R-5 doesn't cover 80 meters. Try a dipole or a full size dedicated 80 meter vertical for this. Ditto for 40 meters. Howver, for 20 meters and up, including the WARC band, the R-5 is difficult to beat.

David Bush, KC1PR
BUSH@S51.Prime.Com

```
From 5204130463510587368
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b093914a62ceb539,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 23:02:52 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!usc!ucsd!ucbvax!
cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Homebrewing
Message-ID: <9101081953.AA14549@tilde>
Date: 8 Jan 91 19:53:24 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Tue Jan  8 13:53:24 1991
```

From: kipper@ccwf.cc.utexas.edu (Kip Ingram)

Subject: Re: homebrewing

Continuing with what Greg Trice <19917.799.7009@canrem.uucp> and <kipper@ccwf.cc.utexas.edu (Kip Ingram)> wrote:

|> What I'd really like to see is some licensing incentive to use homebrew
|>equimpent.

>space reserved for hams who have passed an EXTREMELY rigorous technical exam
>(one involving heavy duty questions about circuit theory, construction
>techniques, and so forth) would be great.

Oh yes, oh yes! The question pool would be held in the strictest confidence, and any VE caught compromising it would have his ticket pulled. Any commercial entity who did so would get fined (like, six figures). And, the question pool itself would be revised frequently. This should pretty much guarantee that those who passed the exams KNEW the material.

73,
Dube   N5PDK

"Why waste time learning, when ignorance is instantaneous?" -Hobbes

---

From -9501780736066604522

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9db0794c573ac9f8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 23:46:36 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!clarkson!grape.ecs.clarkson.edu!nelson
From: nelson@sun.soe.clarkson.edu (Russ Nelson)
Newsgroups: rec.ham-radio
Subject: Transverter sources (Microwave Modules?)
Message-ID: <NELSON.91Jan8160136@sun.soe.clarkson.edu>
Date: 8 Jan 91 21:01:36 GMT
Sender: @grape.ecs.clarkson.edu
Reply-To: bray@clutx.clarkson.edu
Organization: /home/sun.soe/ecs/nelson/.organization
Lines: 6

Does anyone have the address of Microwave Modules or any other source of transverters?

--
--russ (nelson@clutx [.bitnet | .clarkson.edu]) FAX 315-268-7600
It's better to get mugged than to live a life of fear -- Freeman Dyson
I joined the League for Programming Freedom, and I hope you'll join too.

From -3952181958567602601
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db033ea4f10f6178
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 23:48:18 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!sdd.hp.com!apollo!hays
From: hays@apollo.HP.COM (John Hays)
Newsgroups: rec.ham-radio
Subject: Help in studying for your New Amateur Radio License
Message-ID: <4f16894b.20b6d@apollo.HP.COM>
Date: 8 Jan 91 20:15:00 GMT
References: <9641@ge-dab.ge.com>
Sender: root@apollo.HP.COM
Reply-To: hays@hpuslua.nsr.HP.COM (John Hays)
Distribution: rec.ham-radio
Organization: Hewlett-Packard Company, Salt Lake City, UT
Lines: 12

To those of you who would like to get your license but could use a "tutor", I have contacted Don Stoner of NARA who maintains a database of "helping hams" (several thousand) around the US who have indicated a willingness to help perspective/new hams get started.

He can be reached at: 70371.111@CompuServe.Com
----This is a period -------^

Don will give you the names of local hams who will give you a hand, I think he likes ZIP codes, Town, and State to lookup the nearest Helping Ham.

John

From 5871920921062827785
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bdc1dabe095d7cb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 00:03:05 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!clarkson!grape.ecs.clarkson.edu!nelson
From: nelson@sun.soe.clarkson.edu (Russ Nelson)
Newsgroups: rec.ham-radio
Subject: ARRL Logo in PostScript
Message-ID: <NELSON.91Jan8160515@sun.soe.clarkson.edu>
Date: 8 Jan 91 21:05:15 GMT
Sender: @grape.ecs.clarkson.edu
Reply-To: nelson@clutx.clarkson.edu (aka NELSON@CLUTX.BITNET)
Organization: /home/sun.soe/ecs/nelson/.organization
Lines: 12

There is an ARRL diamond logo written in PostScript stored on sun.soe.clarkson.edu, in pub/postscript, as arrl.ps. If you can't ftp, but can email, you can fetch it via the archive-server@sun.soe.clarkson.edu.

I didn't write it, my boss Dave <bray@sun.soe.clarkson.edu> K2LMG wrote it. The ARRL knows about it and it should be used only by ARRL members for personal use.

--
--russ (nelson@clutx [.bitnet | .clarkson.edu]) FAX 315-268-7600
It's better to get mugged than to live a life of fear -- Freeman Dyson
I joined the League for Programming Freedom, and I hope you'll join too.

From -6668818386816347141
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,413ed7d390e7e95f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c9e3,ad9aa270a473dd55,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,ad9aa270a473dd55,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10beba,a22f96f1b2cabf22
X-Google-Attributes: gid10beba,public
X-Google-ArrivalTime: 1991-01-09 00:08:05 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: OOPS! Correction on ICOM email address!
Keywords: K7RIE, correction, Bill Everett
Message-ID: <749@ssc.UUCP>
Date: 9 Jan 91 08:08:05 GMT

Organization: very little
Lines: 15
Xref: gmdzi rec.ham-radio:19103 rec.radio.shortwave:3414

Sorry! I posted an email address for Bill Everett of ICOM the
other day, and I SCREWED IT UP!

The correct address is 76702.753@compuserve.com

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 30080760688887632854
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29b4a11527361cbc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-09 00:50:44 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!uakari.primate.wisc.edu!dali.cs.montana.edu!milton!uw-beaver!zephyr.ens.tek.com!tektronix!sequent!edw
From: edw@sequent.UUCP (Ed Wright)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <49974@sequent.UUCP>
Date: 8 Jan 91 19:28:20 GMT
References: <1991Jan6.204033.19970@informix.com> <41aFV2w163w@phoenix.com>
Reply-To: edw@sequent.UUCP (Ed Wright)
Organization: Orygun Society For HUman Rustabillity Assessment
Lines: 15
Xref: gmdzi rec.radio.shortwave:3375 rec.ham-radio:18968
Posted: Tue Jan 8 13:28:20 1991

In article <41aFV2w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
%
%randall@informix.com (Randall Rhea) writes:
%
%> In article <1781@sun13.scri.fsu.edu> murray@sun13.scri.fsu.edu (John Murray)
%> >
%   I complain VERY loudly whenever they refuse to accept a cash
%transaction. Has anything changed? Ha!

I would be really interested to know of an RS store that refused your cash.
--

```
                                                          Never try to teach a
>>>>>>  decwrl--\                                         pig to sing. It wastes
>>>>>>>>   tek -->----sequent !edw>/dev/null :-) your time and it
>>>>>>   uunet--/                                         and it annoys the pig.
```

```
From 9131433243689078795
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8163a0129de4dc0e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 01:14:11 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!tridom!lkollar
From: lkollar@tridom.uucp (Larry Kollar (Operations))
Newsgroups: rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <1991Jan8.215126.16563@tridom.uucp>
Date: 8 Jan 91 21:51:26 GMT
References: <49389@sequent.UUCP> <7880397@hpfcdc.HP.COM> <1818@sun13.scri.fsu.edu>
Reply-To: lkollar@tridom.UUCP (Larry Kollar (Operations))
Organization: Tridom Corporation, Atlanta GA
Lines: 32
```

In article <7880397@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:

>The codeless Tech test is a subset of the question pool for the Novice
>and Tech (FCC elements 2A and 2B). The question pool is published in
>quite a few books. There's even one at Radio Shack. The ARRL also
>publishes the pool.

My personal adage: "if it's from Radio Shack, there has to be a catch."

Forgetting that, I ran out and bought the RShack book for the General (got inspired after 15 years away from ham radio). All the books, except for Novice of course, are *upgrade* material. That means if you're working on a Tech license, you need to get the books for Novice as well if you don't already have a Novice ticket. The Novice & General books come with Morse tutorial tapes; the General builds you up from 5 to 15 wpm (exactly what I was looking for -- amazing how much code I remember after all this time!). If you're upgrading, excellent -- so far.

Here's the catch: on page 16 of the General book, in the middle of the page, away from everything else on the page, etc., it mentions that the FCC would change the question pool "substantially" as of November 1990, and that new books should be available October 1990.

Needless to say, I returned the package. The store mgr. said "I know this is the latest that's been done; can't say I blame you for returning it." Too bad the tapes were bundled -- I would have kept those. A co-worker & I are heading over to a local HR shop later this week to get the ARRL material.

So -- does anybody know if the question pool *did* change in November? Did RShack loose a sale unnecessarily? Does anyone have any HF/2-meter gear they want to give away? :-)

--

Larry Kollar ...!emory!tridom!lkollar / lkollar@tridom.uucp   <- 1 line sig!

```
From -8104430774592099393
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2d2cd636979426e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 01:47:00 PST
Path: gmdzi!unido!mcsun!uunet!comp.vuw.ac.nz!actrix!fnet!Steve_Balogh
From: Steve_Balogh@f170.n771.z3.fidonet.org (Steve Balogh)
Newsgroups: rec.ham-radio
Subject: Voice of America Frequency Schedules
Message-ID: <9101111843.AA29276@f170.n771.z3.fidonet.org>
Date: 9 Jan 91 09:47:00 GMT
Reply-To: Steve_Balogh@f170.n771.z3.fidonet.org (Steve Balogh)
Lines: 868
Comment-To: All@f170.n771.z3.fidonet.org

From: steve@monu6.cc.monash.edu.au (Steve Balogh)
Lines: 858
Organization: Monash University, Melbourne, AUSTRALIA
```

I received the following Voice of America schedule from E. Allen Brown (eab@voa3.voa.gov) and he gave me permission to post it to the net. I thoughtothers might find it useful, so here it is...

All comments should go to Allen at the following address:

```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
+E. Allen (Al) Brown (VOA/BBC)      WA3FYZ/ZF2LY           Voice of America+
+Wilber J. Cohen Building, Room G-748                  Broadcast Operations+
+Washington, DC 20547                             Computer Services Division+
+eab@voa3.voa.gov             ...uunet!voa3!eab            +1 202-619-2020+
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
```

The following is the Voice of America broadcast schedule including language, time (UTC), frequency, transmitter site and the direction of the transmitted signal in degrees from true north.

The first column is an abbreviation for the language. For example, ALAB is Albanian, HAUS is Hausa, VEUR is English to VOA Europe, etc.

The GROUP is an internal routing flag and should be disregarded. TIME is obvious. FREQ is frequency in kilohertz.

SITE is the transmitter site. For example, WOF is Wofferton, England; TAN is Tangier, Morocco; GR is Greenville, NC; PHL is Philippines; KAV and RHO are Kavala and Rhodes, Greece, respectively.

And, as I alluded to above, AZI is the azimuth of the major lobe of the transmitted signal.

If you can't figure out the other abbreviations and need to know, send me a mailnote and I'll pass the information on to you.

73 and good DX.

LANG	GROUP	TIME(UTC)	FREQ	SITE	AZI
ALBA	E	1700 1730	05965	WER	120
ALBA	E	1700 1730	09735	WOF	114
ALBA	E	1700 1730	11805	WER	120
ALBA	E	1700 1730	15195	TAN	060
ALBA	E	1700 1730	18782U	GR	045
ALBA	E	1930 2000	05965	WOF	102
ALBA	E	1930 2000	09735	WOF	114
ALBA	E	1930 2000	11780	TAN	060
ALBA	E	1930 2000	14526U	GR	045
AMHA	S	1800 1900	09690	KAV	172
AMHA	S	1800 1900	11740	KAV	172
AMHA	S	1800 1900	11880	PHL	283
AMHA	S	1800 1900	15165	PHL	270
AMHA	S	1800 1900	17755	PHL	283
ARAB	H	0330 0400	01260	RHO	134
ARAB	H	0330 0530	05965	RHO	099
ARAB	H	0330 0530	09740	RHO	140
ARAB	H	0330 0530	10235U	GR	067
ARAB	H	0330 0600	11905	MUN	118
ARAB	H	0330 0800	15160	KAV	095
ARAB	H	0330 0800	17810	KAV	095
ARAB	H	0330 0800	17895	WER	120
ARAB	H	0400 0530	01260	RHO	134
ARAB	H	0430 0530	06125	WOF	172
ARAB	H	0430 0530	07160	KAV	172
ARAB	H	0430 0530	07651L	GR	045
ARAB	H	0430 0530	11805	KAV	240
ARAB	H	0530 0800	01260	RHO	134
ARAB	H	0530 0800	05965	RHO	099
ARAB	H	0600 0800	15195	MUN	118
ARAB	H	0730 0800	06150	TAN	078
ARAB	H	0730 0800	07768L	GR	067
ARAB	H	0730 0800	09565	GR	067
ARAB	H	0730 0800	09580	WOF	182
ARAB	H	0730 0800	09760	KAV	240
ARAB	H	0730 0800	11775	WOF	170
ARAB	H	0730 0800	11840	WER	180
ARAB	H	0730 0800	15235	WOF	152
ARAB	H	1100 1130	11735	RHO	099
ARAB	H	1100 1130	15160	KAV	095
ARAB	H	1100 1130	15225	MUN	118
ARAB	H	1100 1130	21550	WER	120

ARAB	H	1100	1130	21705	KAV	095
ARAB	H	1200	1230	11735	RHO	099
ARAB	H	1200	1230	15225	MUN	118
ARAB	H	1200	1230	15400	KAV	095
ARAB	H	1200	1230	21550	WER	120
ARAB	H	1200	1230	21700	KAV	095
ARAB	H	1300	1330	01260	RHO	134
ARAB	H	1300	1330	11905	RHO	099
ARAB	H	1300	1330	15225	MUN	118
ARAB	H	1300	1330	15400	KAV	095
ARAB	H	1300	1330	21550	WER	120
ARAB	H	1300	1330	21700	KAV	095
ARAB	H	1500	1600	15300	KAV	095
ARAB	H	1500	2200	17885	MUN	115
ARAB	H	1500	2200	21535	WER	120
ARAB	H	1500	2000	21570	KAV	095
ARAB	H	1600	2000	01260	RHO	134
ARAB	H	1600	2000	07205	RHO	099
ARAB	H	1600	2000	11960	RHO	140
ARAB	H	1600	2000	15155	KAV	095
ARAB	H	1800	2000	09530	WER	120
ARAB	H	1800	2000	09745	WER	210
ARAB	H	1800	2000	15245	GR	055
ARAB	H	1900	2000	17740	GR	067
ARAB	H	2000	2200	11905	KAV	095
ARAB	H	2000	2200	15225	KAV	095
ARAB	H	2100	2200	06160	KAV	240
ARAB	H	2100	2200	09530	WER	120
ARAB	H	2100	2200	09745	WER	210
ARAB	H	2100	2200	15245	GR	055
ARAB	H	2100	2200	17740	GR	067
ARME	D	0300	0315	06015	KAV	051
ARME	D	0300	0315	06080	WOF	090
ARME	D	0300	0315	07120	WER	090
ARME	D	0300	0315	07210	KAV	105
ARME	D	0300	0315	07651U	GR	045
ARME	D	0300	0315	09530	WOF	105
ARME	G	1500	1600	11805	WER	090
ARME	G	1500	1600	14526L	GR	045
ARME	G	1500	1600	15195	TAN	060
ARME	G	1500	1600	15235	WOF	075
ARME	G	1500	1600	17835	GLO	070
ARME	G	1500	1600	17855	TAN	060
ARME	G	1500	1600	18275U	GR	045
AZER	M	1900	2000	06160	KAV	051
AZER	M	1900	2000	07280	KAV	105
AZER	M	1900	2000	09680	KAV	095
AZER	M	1900	2000	11835	KAV	095
BANG	S	0130	0230	15210	PHL	283
BANG	S	0130	0230	17780	PHL	283
BANG	S	0130	0230	21475	PHL	283
BANG	S	1600	1700	01575	BAK	145
BANG	S	1600	1700	09590	PHL	283

BANG	S	1600	1700	11880	PHL	280
BANG	S	1600	1700	15185	PHL	283
BULG	D	0400	0430	01197	MUN	065
BULG	D	0400	0430	03980	MUN	055
BULG	D	0400	0430	06080	WOF	102
BULG	D	0400	0430	07295	WOF	102
BULG	D	0400	0430	07651U	GR	045
BULG	D	0400	0430	09530	TAN	060
BULG	D	0400	0430	09615	TAN	060
BULG	E	1730	1800	05965	WER	120
BULG	E	1730	1800	09735	WOF	114
BULG	E	1730	1800	11805	WER	120
BULG	E	1730	1800	15195	TAN	060
BULG	E	1730	1800	18782U	GR	045
BULG	E	2000	2030	05965	WOF	102
BULG	E	2000	2030	09735	WOF	114
BULG	E	2000	2030	11780	TAN	060
BULG	E	2000	2030	14526U	GR	045
BURM	S	0000	0030	01575	BAK	145
BURM	S	0000	0030	09670	PHL	270
BURM	S	0000	0030	11840	PHL	270
BURM	S	0000	0030	15215	PHL	283
BURM	S	1130	1200	01575	BAK	145
BURM	S	1130	1230	09505	PHL	290
BURM	S	1130	1230	11895	PHL	283
BURM	S	1130	1230	15250	PHL	283
BURM	S	1200	1230	01575	BAK	145
CANT	T	1500	1600	01143	PHL	322
CHIN	R	0000	0200	07200	PHL	330
CHIN	R	0000	0200	09545	PHL	349
CHIN	R	0000	0200	11925	PHL	349
CHIN	R	0000	0200	15395	PHL	349
CHIN	R	0000	0200	17765	PHL	349
CHIN	R	1100	1200	01143	PHL	322
CHIN	R	1100	1600	05955	PHL	332
CHIN	R	1100	1700	11965	PHL	332
CHIN	R	1100	1700	15410	PHL	349
CHIN	R	1100	1700	17745	PHL	349
CHIN	R	1100	1700	17790	PHL	350
CHIN	R	1100	1300	21585	PHL	349
CHIN	R	1330	1400	01143	PHL	322
CHIN	R	1600	1700	01143	PHL	322
CHIN	R	2000	2100	01143	PHL	322
CHIN	R	2000	2400	09545	PHL	349
CHIN	R	2000	2400	15395	PHL	349
CHIN	R	2000	2400	17765	PHL	349
CHIN	R	2100	2200	01575	BAK	145
CHIN	R	2100	2400	07200	PHL	330
CHIN	R	2100	2200	11925	PHL	349
CHIN	R	2200	2400	11925	PHL	349
CREO	LA1A	2200	2230	09670	GR	174
CREO	LA1A	2200	2230	11890	GR	164
CREO	LA1A	2200	2230	15120	GR	164

CREO	LA1A	2230	2300	09670	GR	174
CREO	LA1A	2230	2300	11890	GR	164
CREO	LA1A	2230	2300	15120	GR	164
CZEC	D	0500	0530	01197	MUN	065
CZEC	D	0500	0530	03980	MUN	055
CZEC	D	0500	0530	06080	WOF	102
CZEC	D	0500	0530	07295	WOF	102
CZEC	D	0500	0530	07651U	GR	045
CZEC	D	0500	0530	09615	TAN	044
CZEC	D	0500	0530	11710	TAN	044
CZEC	D	1730	1800	01197	MUN	115
CZEC	D	1730	1800	03980	MUN	055
CZEC	D	1730	1800	06060	WOF	102
CZEC	D	1730	1800	07180	WOF	102
CZEC	D	1730	1800	09660	WOF	058
CZEC	D	1730	1800	11855	TAN	044
CZEC	D	1730	1800	14526U	GR	045
CZEC	D	1730	1800	18275L	GR	045
CZEC	D	2000	2100	01197	MUN	065
CZEC	D	2000	2100	03980	MUN	055
CZEC	D	2000	2200	06060	WOF	105
CZEC	D	2000	2200	06150	WOF	090
CZEC	D	2000	2200	07180	WOF	102
CZEC	D	2000	2200	18782U	GR	045
DARI	E	0030	0100	01260	RHO	134
DARI	M	0215	0300	07651L	GR	045
DARI	M	0215	0300	09635	KAV	095
DARI	M	0215	0300	09705	KAV	051
DARI	M	0215	0300	11780	KAV	095
DARI	M	0215	0230	15105	KAV	095
DARI	M	0230	0300	15105	KAV	095
DARI	M	1515	1600	07295	KAV	105
DARI	M	1515	1600	11845	KAV	095
DARI	M	1515	1600	15355	KAV	095
DARI	M	1515	1600	21520	KAV	051
ECar	K	2200	2215	01580	ANT	170
ENGL	A	0100	0300	07115	COL	350
ENGL	A	0100	0300	07205	KAV	105
ENGL	A	0100	0300	11705	COL	350
ENGL	A	0100	0300	15160	KAV	051
ENGL	A	0100	0300	15250	COL	350
ENGL	A	0100	0300	17740	PHL	270
ENGL	A	0100	0300	21550	PHL	260
ENGL	A	0400	0430	00792	KAV	015
ENGL	A	0400	0500	05995	WOF	074
ENGL	A	0400	0700	06140	WOF	074
ENGL	A	0400	0700	06873L	GR	067
ENGL	A	0400	0700	07170	WOF	170
ENGL	A	0400	0600	07200	WOF	058
ENGL	A	0400	0600	09715	KAV	051
ENGL	A	0500	0700	00792	KAV	015
ENGL	A	0500	0700	05995	WER	045
ENGL	A	0500	0700	06060	WER	045

ENGL	A	0500	0600	09670	WOF	075
ENGL	A	0500	0600	09700	KAV	240
ENGL	A	0500	0700	11750	WER	120
ENGL	A	0500	0600	15205	KAV	095
ENGL	A	0600	0700	06095	TAN	078
ENGL	A	0600	0700	07325	WOF	086
ENGL	A	0600	0700	11805	KAV	240
ENGL	A	0600	0700	15205	KAV	095
ENGL	A	0630	0700	03980	MUN	055
ENGL	A	1400	1500	07125	COL	350
ENGL	A	1400	1800	09645	COL	036
ENGL	A	1400	1500	15205	KAV	051
ENGL	A	1400	1800	15395	COL	350
ENGL	A	1500	1600	01260	RHO	134
ENGL	A	1500	1800	07125	COL	350
ENGL	A	1500	2100	09700	KAV	105
ENGL	A	1500	1700	15205	WOF	086
ENGL	A	1500	1600	18275L	GR	045
ENGL	A	1500	1600	18782L	GR	045
ENGL	A	1630	1700	06180	WOF	074
ENGL	A	1630	2100	09760	WOF	066
ENGL	A	1630	1700	11710	WOF	066
ENGL	A	1630	1700	15245	TAN	044
ENGL	A	1700	1800	00792	KAV	015
ENGL	A	1700	1730	01197	MUN	115
ENGL	A	1700	1730	03980	MUN	055
ENGL	A	1700	2200	06040	WOF	058
ENGL	A	1700	1900	15205	TAN	044
ENGL	A	1800	2200	18275U	GR	045
ENGL	A	1800	1900	18782L	GR	045
ENGL	A	1900	2200	11710	TAN	044
ENGL	A	1900	2200	15205	TAN	044
ENGL	A	1900	2200	18782L	GR	045
ENGL	A	2100	2200	01260	RHO	134
ENGL	A	2100	2200	09700	KAV	095
ENGL	A	2100	2200	09760	WOF	105
ENGL	A	2100	2200	11960	RHO	140
ENGL	B	0300	0430	00621	BOT	ND
ENGL	B	0300	0700	06035	GR	094
ENGL	B	0300	0430	06145	GR	094
ENGL	B	0300	0700	09575	BY	074
ENGL	B	0300	0400	09585	GAB	127
ENGL	B	0300	0400	09655	GAB	170
ENGL	B	0300	0430	11835	GR	091
ENGL	B	0300	0700	15350	GR	091
ENGL	B	0300	0700	15752U	BY	062
ENGL	B	0300	0700	17715	TAN	170
ENGL	B	0300	0500	17755	PHL	270
ENGL	B	0300	0500	21600	PHL	283
ENGL	B	0600	0700	06125	BY	066
ENGL	B	0600	0700	09530	GR	094
ENGL	B	1600	2000	09575	PHL	270
ENGL	B	1600	2000	11920	PHL	270

ENGL	B	1600 2200	15410	GR	091
ENGL	B	1600 2200	15580	GR	094
ENGL	B	1600 2200	17800	BY	100
ENGL	B	1600 2200	19261U	BY	062
ENGL	B	1600 2200	21625	TAN	170
ENGL	B	1800 2200	00621	BOT	ND
ENGL	B	2000 2100	09570	PHL	270
ENGL	B	2000 2200	21485	GR	094
ENGL	H	0000 0230	00792	KAV	195
ENGL	H	0000 0230	11905	MUN	118
ENGL	H	0000 0230	15225	KAV	095
ENGL	H	0000 0200	15405	WER	120
ENGL	H	0000 0230	17810	KAV	095
ENGL	H	0100 0230	01260	RHO	134
ENGL	H	0100 0200	06095	RHO	099
ENGL	H	0200 0230	05965	RHO	099
ENGL	H	0200 0230	17895	WER	120
ENGL	H	0230 0300	00792	KAV	195
ENGL	H	0230 0300	01260	RHO	134
ENGL	H	0230 0300	05965	RHO	099
ENGL	H	0230 0300	11905	MUN	118
ENGL	H	0230 0300	15225	KAV	095
ENGL	H	0230 0300	17810	KAV	095
ENGL	H	0230 0300	17895	WER	120
ENGL	H	0830 0900	01260	RHO	134
ENGL	H	0830 0900	11735	RHO	099
ENGL	H	0830 0900	15160	KAV	095
ENGL	H	0830 0900	15195	MUN	118
ENGL	H	0830 0900	21570	WER	120
ENGL	H	0830 0900	21700	KAV	095
ENGL	H	1000 1100	11735	RHO	099
ENGL	H	1000 1100	15160	KAV	095
ENGL	H	1000 1100	15225	MUN	118
ENGL	H	1000 1100	21570	WER	120
ENGL	H	1000 1100	21705	KAV	095
ENGL	H	1130 1200	11735	RHO	099
ENGL	H	1130 1200	15160	KAV	095
ENGL	H	1130 1200	15225	MUN	118
ENGL	H	1130 1200	21550	WER	120
ENGL	H	1130 1200	21705	KAV	095
ENGL	H	1230 1300	11735	RHO	099
ENGL	H	1230 1300	15225	MUN	118
ENGL	H	1230 1300	15400	KAV	095
ENGL	H	1230 1300	21550	WER	120
ENGL	H	1230 1300	21700	KAV	095
ENGL	H	1330 1500	01260	RHO	134
ENGL	H	1330 1500	11905	RHO	099
ENGL	H	1330 1400	15225	MUN	118
ENGL	H	1330 1400	15400	KAV	095
ENGL	H	1330 1400	21550	WER	120
ENGL	H	1330 1500	21700	KAV	095
ENGL	H	1400 1500	15300	KAV	095
ENGL	H	1400 1500	17885	MUN	115

ENGL	H	1400	1500	21540	WER	120
ENGL	H	2200	2230	09530	WER	120
ENGL	H	2200	2230	11905	KAV	095
ENGL	H	2200	2230	11960	RHO	140
ENGL	H	2200	2230	15225	KAV	095
ENGL	H	2200	2230	15445	WER	120
ENGL	H	2200	2230	17885	MUN	115
ENGL	H	2230	2300	00792	KAV	195
ENGL	H	2230	2300	01260	RHO	134
ENGL	H	2230	2300	09530	WER	120
ENGL	H	2230	2300	11905	KAV	095
ENGL	H	2230	2300	11960	RHO	140
ENGL	H	2230	2300	15225	KAV	095
ENGL	H	2230	2300	15445	WER	120
ENGL	H	2230	2300	17885	MUN	115
ENGL	H	2300	2400	00792	KAV	195
ENGL	H	2300	2400	01260	RHO	134
ENGL	H	2300	2400	09530	WER	120
ENGL	H	2300	2400	11905	KAV	095
ENGL	H	2300	2400	11960	RHO	140
ENGL	H	2300	2400	15225	KAV	095
ENGL	H	2300	2400	15445	WER	120
ENGL	H	2300	2400	17885	MUN	115
ENGL	LA-1	0000	0200	05995	GR	174
ENGL	LA-1	0000	0200	09775	GR	205
ENGL	LA-1	0000	0200	09815	DL	126
ENGL	LA-1	0000	0200	11580	GR	183
ENGL	LA-1	0000	0200	15205	GR	174
ENGL	LA-1	0030	0100	01530	BLZ	228
ENGL	LA-1	0030	0100	01580	BLZ	148
ENGL	LA-1	0100	0200	01580	ANT	170
ENGL	LA-1	0100	0200	06130	GR	145
ENGL	LA-1	0100	0200	09455	GR	146
ENGL	LA-1	0200	0230	05995	GR	174
ENGL	LA-1	0200	0230	09775	GR	205
ENGL	LA-1	0200	0230	09815	DL	126
ENGL	LA-1	0200	0230	11580	GR	183
ENGL	LA-1	0200	0230	15205	GR	174
ENGL	LA1A	0000	0100	01580	ANT	170
ENGL	LA1A	0000	0100	06130	GR	145
ENGL	LA1A	0000	0100	09455	GR	146
ENGL	LA1A	0000	0100	11695	GR	146
ENGL	LA1A	1000	1200	01580	ANT	170
ENGL	LA1A	1000	1200	06075	GR	146
ENGL	LA1A	1000	1200	09590	GR	146
ENGL	LA1A	1000	1200	11915	GR	146
ENGL	P	0000	0100	07120	PHL	285
ENGL	P	0000	0100	09770	PHL	270
ENGL	P	0000	0100	11760	PHL	200
ENGL	P	0000	0100	15185	PHL	285
ENGL	P	0000	0100	15290	PHL	349
ENGL	P	0000	0100	17735	PHL	150
ENGL	P	0000	0100	17820	PHL	034

ENGL	P	0030	0100	01575	BAK	ND
ENGL	P	0100	0300	07115	COL	350
ENGL	P	0100	0300	07205	KAV	105
ENGL	P	0100	0300	11705	COL	350
ENGL	P	0100	0300	15160	KAV	051
ENGL	P	0100	0300	15250	COL	350
ENGL	P	0100	0300	17740	PHL	270
ENGL	P	0100	0300	21550	PHL	260
ENGL	P	1000	1200	05985	DL	272
ENGL	P	1000	1200	11720	PHL	137
ENGL	P	1000	1500	15425	PHL	285
ENGL	P	1100	1300	06110	PHL	200
ENGL	P	1100	1700	09760	PHL	270
ENGL	P	1100	1500	09760	PHL	021
ENGL	P	1100	1400	15155	PHL	349
ENGL	P	1100	1500	15425	PHL	212
ENGL	P	1200	1230	01143	PHL	322
ENGL	P	1200	1330	11715	PHL	137
ENGL	P	1300	1800	06110	PHL	270
ENGL	P	1400	1500	01143	PHL	322
ENGL	P	1400	1500	07125	COL	350
ENGL	P	1400	1800	09645	COL	036
ENGL	P	1400	1500	15160	PHL	349
ENGL	P	1400	1800	15395	COL	350
ENGL	P	1500	1800	07125	COL	350
ENGL	P	1530	1600	01575	BAK	145
ENGL	P	1900	2000	09525	PHL	137
ENGL	P	1900	2000	11870	PHL	150
ENGL	P	1900	2000	15180	PHL	285
ENGL	P	2100	2200	11870	PHL	150
ENGL	P	2100	2400	15185	PHL	285
ENGL	P	2100	2400	17735	PHL	150
ENGL	P	2200	2400	07120	PHL	285
ENGL	P	2200	2400	09770	PHL	270
ENGL	P	2200	2400	11760	PHL	200
ENGL	P	2200	2400	15290	PHL	349
ENGL	P	2200	2400	15305	PHL	137
ENGL	P	2200	2400	17820	PHL	034
ENGL	P	2230	2400	01575	BAK	ND
ESTO	D	1600	1630	06060	WOF	066
ESTO	D	1600	1630	07210	WOF	062
ESTO	D	1600	1630	09660	WOF	058
ESTO	D	1600	1630	11855	TAN	044
ESTO	D	1600	1630	11865	WOF	058
ESTO	D	1600	1630	11905	TAN	044
ESTO	D	1600	1630	14526U	GR	045
ESTO	D1	1800	1830	07170	GLO	041
ESTO	D1	1800	1830	09650	WER	045
FARS	M	0300	0430	07651L	GR	045
FARS	M	0300	0430	09635	KAV	095
FARS	M	0300	0430	09700	KAV	051
FARS	M	0300	0430	11805	KAV	095
FARS	M	0300	0430	15105	KAV	095

FARS	M	1700	1900	06160	KAV	051
FARS	M	1700	1900	07280	KAV	105
FARS	M	1700	1900	09680	KAV	095
FARS	M	1700	1900	11835	KAV	095
FREN	F	0530	0700	06020	GR	094
FREN	F	0530	0700	06180	GR	094
FREN	F	0530	0700	09565	GR	067
FREN	F	0530	0700	11835	GR	091
FREN	F	0530	0700	11875	KAV	208
FREN	F	0530	0700	11890	BY	087
FREN	F	1830	2030	15195	GR	094
FREN	F	1830	2030	17640	GR	094
FREN	F	1830	2030	17785	GR	091
FREN	F	1830	2000	21485	GR	094
FREN	F	2100	2200	15195	GR	094
FREN	F	2100	2200	17640	GR	094
FREN	F	2100	2200	17785	GR	091
FrHa	F	2030	2100	15195	GR	094
FrHa	F	2030	2100	17640	GR	094
FrHa	F	2030	2100	17785	GR	091
GEOR	D	0315	0330	06015	KAV	051
GEOR	D	0315	0330	06080	WOF	090
GEOR	D	0315	0330	07120	WER	090
GEOR	D	0315	0330	07210	KAV	105
GEOR	D	0315	0330	07651U	GR	045
GEOR	D	0315	0330	09530	WOF	105
GEOR	G	2000	2030	06140	KAV	105
GEOR	G	2000	2030	07280	KAV	105
GEOR	G	2000	2030	09535	KAV	095
GREE	E	1900	1930	05965	WOF	102
GREE	E	1900	1930	09735	WOF	114
GREE	E	1900	1930	11760	WOF	114
GREE	E	1900	1930	15145	TAN	078
HAUS	F	0500	0530	06020	GR	094
HAUS	F	0500	0530	06180	GR	094
HAUS	F	0500	0530	09565	GR	067
HAUS	F	0500	0530	11835	GR	091
HAUS	F	0500	0530	11890	BY	087
HIND	M	0030	0100	06010	KAV	105
HIND	M	0030	0100	07105	KAV	105
HIND	M	0030	0100	07205	KAV	051
HIND	M	0030	0100	07651L	GR	045
HIND	M	0030	0100	11780	KAV	095
HIND	M	0030	0100	15210	PHL	283
HIND	M	0030	0100	17780	PHL	283
HIND	M	0030	0100	21475	PHL	283
HIND	M	1600	1700	06160	KAV	105
HIND	M	1600	1700	07280	KAV	105
HIND	M	1600	1700	09680	KAV	095
HIND	M	1600	1700	11945	KAV	095
HIND	S	0030	0100	06010	KAV	105
HIND	S	0030	0100	07105	KAV	105
HIND	S	0030	0100	07205	KAV	051

HIND	S	0030	0100	11780	KAV	095
HIND	S	0030	0130	15210	PHL	283
HIND	S	0030	0130	17780	PHL	283
HIND	S	0030	0130	21475	PHL	283
HUNG	D	0530	0600	06080	WOF	102
HUNG	D	0530	0600	07295	WOF	102
HUNG	D	0530	0600	07651U	GR	045
HUNG	D	0530	0600	09615	TAN	044
HUNG	D	0530	0600	11710	TAN	044
HUNG	D	1800	1900	01197	MUN	065
HUNG	D	1800	1900	03980	MUN	055
HUNG	D	1800	2000	06060	WOF	105
HUNG	D	1800	2000	06150	WOF	090
HUNG	D	1800	2000	07180	WOF	102
HUNG	D	1800	1900	11750	TAN	044
HUNG	D	1800	2000	18782U	GR	045
HUNG	D	1900	2000	01197	MUN	065
HUNG	D	1900	2000	03980	MUN	055
HUNG	D	1900	2000	11750	TAN	044
INDO	S	1100	1130	09505	PHL	216
INDO	S	1100	1130	11895	PHL	200
INDO	S	1100	1130	15240	PHL	200
INDO	S	1330	1430	06030	PHL	200
INDO	S	1330	1430	09715	PHL	200
INDO	S	1330	1430	11715	PHL	216
INDO	S	2200	2330	09650	PHL	200
INDO	S	2200	2330	11805	PHL	200
INDO	S	2200	2330	15205	PHL	212
KHME	T	1400	1500	01575	BAK	145
KHME	T	1400	1500	09575	PHL	260
KHME	T	1400	1500	11930	PHL	270
KHME	T	1400	1500	15285	PHL	270
KHME	T	2200	2230	01575	BAK	145
KHME	T	2200	2230	07225	PHL	270
KHME	T	2200	2230	09510	PHL	270
KHME	T	2200	2230	11785	PHL	260
KORE	S	2130	2200	06110	PHL	021
KORE	S	2130	2200	07120	PHL	021
KORE	S	2130	2200	09755	PHL	021
KORE	S	2130	2200	11955	PHL	021
KORE	S	2130	2200	18525U	DL	311
KORE	T	1300	1400	09350U	DL	306
KORE	T	1300	1400	11930	PHL	021
KORE	T	1300	1400	15195	PHL	034
KORE	T	1300	1400	17720	PHL	021
LAO	T	1100	1130	01575	BAK	145
LAO	T	1100	1200	09620	PHL	280
LAO	T	1100	1200	11930	PHL	283
LAO	T	1100	1200	15140	PHL	260
LATV	D	1530	1600	07210	WOF	062
LATV	D	1530	1600	07245	WER	045
LATV	D	1530	1600	09735	WER	045
LATV	D	1530	1600	11865	WOF	058

LATV	D	1530	1600	11960	WOF	066
LATV	D	1530	1600	14526U	GR	045
LATV	D	1530	1600	18782U	GR	045
LATV	D	1700	1730	06060	WOF	066
LATV	D	1700	1730	07180	WOF	058
LATV	D	1700	1730	09660	WOF	058
LATV	D	1700	1730	11855	TAN	044
LATV	D	1700	1730	11865	WOF	058
LATV	D	1700	1730	14526U	GR	045
LATV	D	1700	1730	15245	TAN	044
LATV	D	1700	1730	18275L	GR	045
LATV	D1	0400	0415	06035	WER	030
LATV	D1	0400	0415	07105	WER	045
LATV	D1	0400	0415	07130	WOF	066
LATV	D1	0400	0415	09570	KAV	355
LITH	D	1630	1700	06060	WOF	066
LITH	D	1630	1700	09660	WOF	058
LITH	D	1630	1700	11855	TAN	044
LITH	D	1630	1700	11865	WOF	058
LITH	D	1630	1700	14526U	GR	045
LITH	D1	0415	0430	06035	WER	030
LITH	D1	0415	0430	07105	WER	045
LITH	D1	0415	0430	07130	WOF	066
LITH	D1	0415	0430	09570	KAV	355
LITH	D1	1830	1900	07170	GLO	041
LITH	D1	1830	1900	09650	WER	045
OAS	K	0000	0030	09565	BY	168
OAS	K	0000	0030	11830	BY	168
OAS	K	0000	0030	15160	BY	168
OAS	K	2345	2400	09565	BY	168
OAS	K	2345	2400	11830	BY	168
OAS	K	2345	2400	15160	BY	168
PASH	M	0000	0030	01260	RHO	134
PASH	M	0000	0030	07105	KAV	105
PASH	M	0000	0030	07651L	GR	045
PASH	M	0000	0030	09635	KAV	095
PASH	M	0000	0030	11780	KAV	095
PASH	M	0000	0030	15160	KAV	095
PASH	M	0130	0215	07651L	GR	045
PASH	M	0130	0215	09635	KAV	095
PASH	M	0130	0215	09705	KAV	051
PASH	M	0130	0215	11780	KAV	095
PASH	M	0130	0215	15105	KAV	095
PASH	M	1430	1515	07295	KAV	105
PASH	M	1430	1515	11845	KAV	095
PASH	M	1430	1515	15355	KAV	095
PASH	M	1430	1515	21520	KAV	051
POLI	D1	0530	0630	01197	MUN	065
POLI	D1	0530	0630	03980	MUN	055
POLI	D1	0530	0630	05955	KAV	355
POLI	D1	0530	0630	06160	WOF	078
POLI	D1	0530	0630	07130	KAV	355
POLI	D1	0530	0630	10235U	GR	067

POLI	D1	2100	2400	01197	MUN	065
POLI	D1	2100	2400	03980	MUN	055
POLI	D1	2100	2200	09650	TAN	044
POLI	D1	2100	2200	11750	TAN	044
POLI	D1	2100	2400	18275L	GR	045
POLI	D1	2200	2400	06095	WOF	074
POLI	D1	2200	2400	06150	WOF	078
POLI	D1	2200	2400	09650	TAN	044
POLI	D1	2200	2400	11710	TAN	044
PORT	F	0430	0500	06020	GR	094
PORT	F	0430	0500	06180	GR	094
PORT	F	0430	0500	09775	GR	094
PORT	F	0430	0500	11835	GR	091
PORT	F	0430	0500	11890	BY	087
PORT	F	0430	0500	17770	PHL	283
PORT	F	1730	1830	15330	PHL	270
PORT	F	1730	1830	17740	PHL	270
PORT	F	1730	1830	21485	GR	094
PORT	F	2200	2300	15580	GR	094
PORT	F	2200	2300	17785	GR	091
PORT	F	2200	2300	17800	BY	100
PORT	LA-3	2200	2300	09455	GR	146
PORT	LA-3	2200	2300	11680	GR	146
PORT	LA-3	2200	2300	15330	GR	146
PORT	LA-3	2200	2300	17740	GR	146
PORT	T	1730	1830	15330	PHL	270
PORT	T	1730	1830	17740	PHL	270
ROMA	D	0430	0445	00792	KAV	015
ROMA	D	0430	0445	06080	WOF	102
ROMA	D	0430	0445	07295	WOF	102
ROMA	D	0430	0445	07651U	GR	045
ROMA	D	0430	0445	09530	TAN	060
ROMA	D	0430	0445	09615	TAN	060
ROMA	G	1800	1930	00792	KAV	015
ROMA	G	1800	1900	05965	WOF	102
ROMA	G	1800	1900	09735	WOF	114
ROMA	G	1800	1930	11780	TAN	060
ROMA	G	1800	1930	14526U	GR	045
ROMA	G	1800	1900	15125	TAN	060
ROMA	G	1900	1930	15125	TAN	060
ROMA	G	1930	2000	00792	KAV	015
RUSS	C	0300	0400	01197	MUN	065
RUSS	C	0300	0400	06040	WOF	058
RUSS	C	0300	0400	06180	GLO	047
RUSS	C	0300	0400	07105	WER	045
RUSS	C	0300	0400	07105	WER	090
RUSS	C	0300	0400	07190	GLO	059
RUSS	C	1200	1400	11835	WOF	066
RUSS	C	1200	1400	15205	KAV	051
RUSS	C	1200	1400	15235	WOF	062
RUSS	C	1200	1400	15280	WER	060
RUSS	C	1200	1400	17855	WOF	075
RUSS	C	1200	1400	17865	WER	075

RUSS	C	1200	1400	21625	GLO	065
RUSS	C	1600	1800	07170	KAV	051
RUSS	C	1600	1700	09595	GLO	057
RUSS	C	1600	1800	11740	KAV	051
RUSS	C	1600	1700	11805	WER	060
RUSS	C	1600	1700	14526L	GR	045
RUSS	C	1600	1800	15235	WOF	075
RUSS	C	1600	1700	18275L	GR	045
RUSS	C	1600	1800	18782L	GR	045
RUSS	C	1700	1800	09585	WOF	075
RUSS	C	1700	1900	11710	WOF	066
RUSS	C	1700	1900	14526L	GR	045
RUSS	C	1800	2000	06140	WOF	074
RUSS	C	1800	2000	07270	GLO	052
RUSS	C	1800	1900	09585	WOF	075
RUSS	C	1800	1900	11805	GLO	057
RUSS	C	1800	2300	11825	GLO	058
RUSS	C	1800	1900	18275L	GR	045
RUSS	C	1900	2300	07170	KAV	026
RUSS	C	1900	2200	09575	GLO	047
RUSS	C	1900	2100	09585	GLO	057
RUSS	C	1900	2100	09690	WOF	045
RUSS	C	1900	2100	18275L	GR	045
RUSS	C	2000	2200	06095	WOF	074
RUSS	C	2100	2300	06085	KAV	026
RUSS	C	2100	2400	06140	WOF	074
RUSS	C	2100	2200	07270	KAV	051
RUSS	C	2100	2300	07280	KAV	051
RUSS	C	2200	2400	06060	WER	060
RUSS	C	2200	2400	06160	KAV	051
RUSS	C	2200	2300	07270	KAV	051
RUSS	C	2300	2400	07125	KAV	051
RUSS	C	2300	2400	07270	KAV	105
RUSS	S	0800	1100	11930	PHL	349
RUSS	S	0800	1100	11965	PHL	021
RUSS	S	0800	1100	15325	PHL	021
RUSS	S	0800	1100	15410	PHL	349
RUSS	S	0800	1100	17865	PHL	021
SERB	D	0445	0500	00792	KAV	015
SERB	D	0445	0500	06080	WOF	102
SERB	D	0445	0500	07295	WOF	102
SERB	D	0445	0500	07651U	GR	045
SERB	D	0445	0500	09530	TAN	060
SERB	D	0445	0500	09615	TAN	060
SERB	E	2030	2130	00792	KAV	015
SERB	E	2030	2130	05965	WOF	102
SERB	E	2030	2130	09735	WOF	114
SERB	E	2030	2130	11780	TAN	060
SERB	E	2030	2130	14526U	GR	045
SLOV	E	0430	0500	01197	MUN	065
SLOV	E	0430	0500	03980	MUN	055
SLOV	E	0430	0500	09670	TAN	060
SPAN	LA-2	0100	0400	01530	BLZ	228

SPAN	LA-2	0100	0400	01580	BLZ	148
SPAN	LA-2	0100	0400	06030	BY	168
SPAN	LA-2	0100	0300	06190	GR	174
SPAN	LA-2	0100	0400	09465	DL	120
SPAN	LA-2	0100	0300	09670	GR	164
SPAN	LA-2	0100	0400	09840	GR	205
SPAN	LA-2	0100	0300	11895	GR	164
SPAN	LA-2	0100	0400	13740	BY	168
SPAN	LA-2	0100	0300	15400	GR	164
SPAN	LA-2	0300	0400	09670	GR	205
SPAN	LA-2	0930	1130	06040	GR	164
SPAN	LA-2	0930	1130	09525	BY	168
SPAN	LA-2	0930	1130	11580	GR	174
SPAN	LA-2	0930	1130	11935	GR	164
SPAN	LA-2	0930	1130	13740	DL	135
SPAN	LA-2	0930	1130	15265	GR	174
SPAN	LA-2	0930	1100	17810	ASC	245
SPAN	LA-2	0930	1100	21490	ASC	245
SPAN	LA-2	1100	1130	17810	ASC	245
SPAN	LA-2	1200	1300	01530	BLZ	228
SPAN	LA-2	1200	1300	01580	BLZ	148
SPAN	LA-2	1200	1300	11890	GR	205
SPAN	LA-2	1200	1300	11945	DL	120
SPAN	LA-2	1200	1300	13775	GR	205
SPAN	LA-2	1200	1500	15265	GR	183
SPAN	LA-2	1200	1500	17730	GR	174
SPAN	LA-2	1200	1400	17830	ASC	245
SPAN	LA-2	1200	1400	21490	ASC	245
SPAN	LA-2	1200	1300	21580	GR	174
SPAN	LA-2	1200	1500	21610	GR	164
SPAN	LA-2	1300	1430	01530	BLZ	228
SPAN	LA-2	1300	1430	01580	BLZ	148
SPAN	LA-2	1300	1500	11890	GR	205
SPAN	LA-2	1300	1500	11945	DL	120
SPAN	LA-2	1300	1500	13775	GR	205
SPAN	LA-2	1300	1500	21580	GR	174
SPAN	LA-2	1700	1730	15185	GR	183
SPAN	LA-2	1700	1730	17710	GR	164
SPAN	LA-2	1700	1730	17730	GR	174
SPAN	LA-2	1700	1730	21745	BY	168
SPAN	LA-2	2130	2200	11695	GR	205
SPAN	LA-2	2130	2200	11890	GR	164
SPAN	LA-2	2130	2200	15120	GR	164
SPAN	LA-2	2130	2200	17730	BY	168
SPAN	LARM	0000	0300	09525	GR	190
SPAN	LARM	0300	0400	09525	GR	190
SPAN	LARM	0400	0600	09525	GR	190
SPAN	LARM	0600	1030	06030	GR	205
SPAN	LARM	1030	1200	06030	GR	205
SPAN	LARM	1200	1400	09590	BY	168
SPAN	LARM	1400	2300	11930	GR	164
SPAN	LARM	2300	2400	09525	GR	190
SWAH	F	1630	1730	15150	PHL	270

SWAH	F	1630	1730	15320	GR	094
SWAH	F	1630	1730	15330	PHL	270
SWAH	F	1630	1730	17705	GR	094
SWAH	F	1630	1730	17740	PHL	270
SWAH	F	1630	1730	17785	GR	091
SWAH	F	1630	1730	21485	GR	094
SWAH	T	1630	1730	15150	PHL	270
SWAH	T	1630	1730	15330	PHL	270
SWAH	T	1630	1730	17740	PHL	270
Spcl	Q	1730	1800	00621	BOT	ND
TURK	H1	2000	2100	01260	RHO	134
TURK	H1	2000	2100	06160	WER	105
TURK	H1	2000	2100	07205	RHO	060
TURK	H1	2000	2100	09525	WER	120
TURK	H1	2000	2100	09670	WER	105
TURK	H1	2000	2100	11755	RHO	004
UKRA	G	0300	0400	00792	KAV	015
UKRA	G	0300	0500	06090	GLO	059
UKRA	G	0300	0500	06160	WOF	075
UKRA	G	0300	0500	06873U	GR	067
UKRA	G	0300	0500	07270	WOF	086
UKRA	G	0300	0500	09760	TAN	044
UKRA	G	1600	1800	06150	GLO	057
UKRA	G	1600	1800	07245	GLO	057
UKRA	G	1600	1800	07270	WER	075
UKRA	G	1600	1800	11825	GLO	058
UKRA	G	1600	1800	15265	TAN	060
UKRA	G	1600	1800	17855	TAN	060
UKRA	G	1600	1800	18275U	GR	045
URDU	E	0130	0200	07105	WER	090
URDU	E	0130	0200	09530	WER	090
URDU	M	0100	0130	06010	KAV	105
URDU	M	0100	0130	07105	KAV	105
URDU	M	0100	0130	07651L	GR	045
URDU	M	0100	0130	09635	KAV	095
URDU	M	0100	0130	09705	KAV	051
URDU	M	0100	0130	11780	KAV	095
URDU	M	1330	1430	10380L	GR	067
URDU	M	1330	1430	11805	KAV	095
URDU	M	1330	1430	15145	KAV	095
URDU	M	1330	1430	17875	KAV	095
URDU	M	1330	1430	21520	KAV	051
UZBE	C	0000	0100	05985	KAV	051
UZBE	C	0000	0100	07125	GLO	063
UZBE	C	0000	0100	09615	KAV	051
UZBE	C	0000	0100	09690	GLO	063
UZBE	C	0000	0100	11945	KAV	051
UZBE	C	1400	1500	15225	WOF	075
UZBE	C	1400	1500	15235	WOF	074
UZBE	C	1400	1500	17780	KAV	051
UZBE	C	1400	1500	17855	WOF	070
UZBE	C	1400	1500	18782L	GR	045
UZBE	C	1400	1500	21625	GLO	065

VEUR	H	0300	0330	01260	RHO	134
VEUR	H	0300	0330	05965	RHO	099
VEUR	H	0300	0330	11905	MUN	118
VEUR	H	0300	0330	15160	KAV	095
VEUR	H	0300	0330	17810	KAV	095
VEUR	H	0300	0330	17895	WER	120
VEUR	H	0800	0830	01260	RHO	134
VEUR	H	0800	0830	11735	RHO	099
VEUR	H	0800	0830	15160	KAV	095
VEUR	H	0800	0830	15195	MUN	118
VEUR	H	0800	0830	21570	WER	120
VEUR	H	0800	0830	21700	KAV	095
VEUR	H	0900	1000	01260	RHO	134
VEUR	H	0900	1000	11735	RHO	099
VEUR	H	0900	1000	15160	KAV	095
VEUR	H	0900	1000	15195	MUN	118
VEUR	H	0900	1000	21570	WER	120
VEUR	H	0900	1000	21700	KAV	095
VIET	S	1230	1330	01143	PHL	262
VIET	S	1230	1330	09595	PHL	280
VIET	S	1230	1330	11835	PHL	276
VIET	S	1230	1330	15250	PHL	270
VIET	T	2230	2330	07225	PHL	270
VIET	T	2230	2330	09510	PHL	270
VIET	T	2230	2330	11785	PHL	260

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----_--_-_-_--_-__-_------_-__---_-___-_----_-____-_-_--__-_--_--___-_-_-_--_
_-_
Steve Balogh  VK3YMY                  | steve@monu6.cc.monash.edu.au
Monash University (Caulfield Campus)  |      37 52'38.8"S  145 02'42.0"E ...
ICBM
PO Box 197, Caulfield East        |      +61 3 573 2266 Voice (Office)
Melbourne, AUSTRALIA. 3145        |      +61 3 571 3646 Fax
--- rfmail 0.3.9
 * Origin: Bonafido  Usenet <====> Fido Gateway.       (3:771/170.0)
SEEN-BY: 771/110 170 180 772/20
FSC-Control: PATH: 771/110
```

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From 2108020254646833242
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9db0794c573ac9f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 02:04:23 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!pasteur!
east.Berkeley.EDU!phil
From: phil@east.Berkeley.EDU (Phil Lapsley)
Newsgroups: rec.ham-radio
Subject: Re: Transverter sources (Microwave Modules?)
Message-ID: <10076@pasteur.Berkeley.EDU>
Date: 8 Jan 91 22:24:23 GMT
References: <NELSON.91Jan8160136@sun.soe.clarkson.edu>
```

Sender: news@pasteur.Berkeley.EDU
Reply-To: phil@east.Berkeley.EDU (Phil Lapsley)
Organization: University of California, Berkeley
Lines: 16

Try:

Transverters Unlimited
Box 6286, Station A
Toronto, Ontario M5W 1P3
Canada
ATTN: Hans Peters

They make a variety of UHF/VHF kits, including transverters. I have a set of their 900 MHz transverters for a pair of 'DSY modems I'm working on, but I haven't had time to get them running yet. They import their goods from SSB Electronics in Germany, and as a result, the instructions are in German with an English translation! The kits are complete, but Heathkit it ain't.

Phil Lapsley, N6TCT   phil@ucbarpa.Berkeley.EDU   ...!ucbvax!phil

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From 8205685495884093637
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea5c6ad8072235f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 03:47:15 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!caen!b-tech!ais.org!danr
From: danr@ais.org (Daniel Romanchik)
Newsgroups: rec.ham-radio
Subject: Re: DSP for the non-EE
Message-ID: <Y4L+BM+@irie.ais.org>
Date: 9 Jan 91 00:01:20 GMT
References: <9101041315.AA00038@rtp40.dg.com>
Sender: danr@ais.org
Organization: UMCC, Ann Arbor, MI
Lines: 9

Is anyone making prototype DSP hardware? All this sounds like fun to a compu-weenie (and ham) like me.

73, Dan KB6NU

--
Dan Romanchik (danr@irie.ais.org, danr@m-net.ann-arbor.mi.us, 313-930-6564)

"If it ain't broke, don't fix it." -- Ancient Engineering Maxim

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From -7933678153108474232
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29b4a11527361cbc

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-09 03:48:50 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!rpi!zaphod.mps.ohio-state.edu!ub!uhura.cc.rochester.edu!rochester!kodak!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <100gV1w163w@phoenix.com>
Date: 8 Jan 91 23:11:35 GMT
References: <49974@sequent.UUCP>
Organization: Not BIFF At All (NBAA)
Lines: 6
Xref: gmdzi rec.radio.shortwave:3376 rec.ham-radio:18973

edw@sequent.UUCP (Ed Wright) writes:

> I would be really interested to know of an RS store that refused your cash.

Radio Shack, 2574 Erie Blvd. East, Syracuse, NY +1 315 446-4990

From 3438599674769823668
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4894f133cff41a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 04:12:19 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: RF and the outer limits...
Message-ID: <1991Jan8.234014.1611@NCoast.ORG>
Date: 8 Jan 91 23:40:14 GMT
References: <211@platypus.uofs.edu> <241@heimat.UUCP> <649@chiton.ucsd.edu>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 17

As quoted from <649@chiton.ucsd.edu> by rec@chiton.ucsd.edu (Richard Currier):
+---------------
| Dan, haven't you noticed that the more advanced a civilization gets, the more
| restrictive is regulations become. Any highly evolved extra-terrestrial hams
| out there are going to have CCNR's, power restrictions, and band limitations
+---------------

Any civilization that is so distrustful of its members that it needs all that legal baggage is far from advanced. Any civilization that actually requires all of that to remain functioning (like, say, ours) is almost beyond hope. :-(

++Brandon
--
```
Me: Brandon S. Allbery              VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR              AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

From -1742468171966139954
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d6cce119cf67318e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 04:14:13 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sol.ctr.columbia.edu!lll-winken!elroy.jpl.nasa.gov!usc!samsung!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: Open Letter to ARRL Pres. Larry Price
Message-ID: <1991Jan8.235439.22479@athena.cs.uga.edu>
Date: 8 Jan 91 23:54:39 GMT
References: <1019.278A049B@w8grt.fidonet.org>
Organization: University of Georgia, Athens
Lines: 10
Posted: Tue Jan 8 17:54:39 1991

I like your idea of a "Committee of 100," a self-organized and self-funded body to advise the FCC about ham radio. Crucially, it should have no other purpose -- no close ties to a publisher, or an equipment vendor, or anything like that.

We deal with a similar concept on campus when we recruit committees to advise the administration about computer planning and networking. The idea is to get a "zoo," i.e., a sample of as many different kinds of computer users as possible. I'm a member of several of these "zoos" -- apparently I'm a fairly exotic beast.

From -7595229832505521651
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2bc5f2b849a7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 04:44:47 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!bloom-beacon!vaxeline!bootsie!olson
From: olson@bootsie.UUCP (Eric Olson)
Newsgroups: rec.ham-radio
Subject: Re: HELP with mike cord
Message-ID: <58@bootsie.UUCP>
Date: 8 Jan 91 23:31:48 GMT
References: <2629@cod.NOSC.MIL> <58130009@hpcupt1.cup.hp.com>
Reply-To: olson@bootsie.UUCP (Eric Olson)
Organization: Lexington Software Design, Lexington, MA
Lines: 21

This has always worked for me (with telephone handset cords):

Unplug the cord, if possible, at the Xmitter (Phone Base) end.
Hold the cord so the mike (handset) is allowed to dangle. Let
it reach its equilibrium by spinning.

To remove each kink, work the kink all the
way to one end of the cable (where it will disappear!). Sometimes
the kink will cancel with another before you get to the end.
This is very time consuming, but works very well. Unfortunately,
it's very hard to do while talking on the mike!

To keep the cord from kinking up again, periodically dangle the
mike as above and allow the cord to spin and reach equilibrium.

Cheers!

```
--
Eric K. Olson, Editor, Prepare()       NOTE: olson@bootsie.uucp will not work!
Lexington Software Design              Internet: olson@endor.harvard.edu
72A Lowell St., Lexington, MA 02173    Usenet:   harvard!endor!olson
(617) 863-9624                         Bitnet:   OLSON@HARVARD
```

From -4757639689521944236
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c42a8e0a154c2d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 04:48:46 PST
Path: gmdzi!unido!mcsun!uunet!fernwood!apple!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: A Bill in Congress!!! (HR 73)
Message-ID: <9101082232.AA20789@tilde>
Date: 8 Jan 91 22:32:46 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 32

In <luigi@aix03.aix.rpi.edu (John L Luigi Giasi)> John quotes:

Subject: A Bill in Congress!!! (HR 73)

>From Tom Freneye K1KI the WMA saction manager and New England Division Director
>
>Representative Cooper (D-Tn) introduced a House Resolution on January
>4th, the 1st day of the new Congress which has been assigned the number
>H.R. 73 (!)
>
>HR-73 - The Amateur Radio Spectrum Protection Act of 1991 - if adopted by
>Congress, provides that the FCC is forbidden from reallocation of any

>spectrum away from the Amateur Service without providing for replacement
>spectrum.

(rest of quote deleted)

>Finally an issue all hams can agree upon?? I hope so.. this would be
>outstanding to say the least!!!
>Hopefully I will get some more info tommorow morning when I talk to Tom.
>Lets break out those Congressman addresses and start writing.
>(And Congresswoman)

This is good news. I hope that Tom is aware of the pitfalls of the term "replacement spectrum", though. I wouldn't want to swap the 500 kHz from 3.5 to 4.0 mHz for a replacement 500 kHz on 10 cm.

73,
Dube   N5PDK

"Why waste time learning, when ignorance is instantaneous?" -Hobbes

---

```
From -5714551996496683249
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ccd94040315cfee1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 04:53:48 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!ubc-cs!alberta!atha!
aupair.cs.athabascau.ca!rwa
From: rwa@cs.athabascau.ca (Ross Alexander)
Newsgroups: rec.ham-radio
Subject: Re: Radio Shack Bashing
Message-ID: <583@aupair.cs.athabascau.ca>
Date: 9 Jan 91 00:01:11 GMT
References: <9101081638.AA08024@tilde>
Organization: Athabasca University
Lines: 16
```

dube@cpdvax.csc.ti.com writes:

>Maybe we'll all stop giving thumbs-down to RS when they market a 2-meter
>transceiver for 99.95, after the huge market demand that will be created
>by the enormous influx of new Hams.

>Won't that be fun?

Want to give odds that it'll be rockbound, and that the rocks will be $50 a pair (with a maximum of 5 pairs)? I bet 2m simplex SSB will get real popular real fast in certain circles (see you on 144.200).

NOTE TO HUMOUR IMPAIRED: :-) !!
--
--
Ross Alexander   rwa@cs.athabascau.ca   (403) 675 6311   ve6pdq

```
From -4929292584380658962
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 04:56:58 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!voder!wlbr!
lonex.radc.af.mil!popyackl
From: popyackl@lonex.radc.af.mil (Leonard J. Popyack)
Newsgroups: rec.ham-radio
Subject: Re: Comments needed on a YEASU FT-757 GX II
Message-ID: <1991Jan9.125658.2629@lonex.radc.af.mil>
Date: 9 Jan 91 12:56:58 GMT
References: <9101031728.AA15712@ucsd.edu> <758@wells.UUCP>
Organization: RADC
Lines: 40
Keywords:Cheap ICOMs

In article <758@wells.UUCP> k3tx@wells.UUCP (Dave Heller) writes:
>In article <9101031728.AA15712@ucsd.edu>, IANR003@UNLVM.BitNet (Michael Ruhrdanz)
writes:
>>
>> I am seriously considering purchasing a YEASU FT-757 GX II HF
>> radio.  It has the following features that I find attractive (this is
>> Does anyone have any operating experience concerning this radio?  I am
>It seems that you have neglected to consider possibly the most important
>feature of all:  how well does it work (as compared with other rigs
>generally available.)
>The recent Yaesu line seems sadly deficient in receiving quality and
>servicability -- I admit to having been at one time a Yaesu owner,
>and I have one comment:  Never Again.
>Recommend seeing some of the comments and comparative measurements by
>N5AR, DL1BU, and QST Feb 88.  Would seem to me that the predominant
>"Asian
>lines rank Icom, Kenwood, Yaesu, with the Ten-Tecs as good as the Icoms.
>This for general receiver performance.  On durability and serviceability
>the T-T's are about 3 orders of magnitude ahead of the others.
>The combination of PLL general coverage and acceptable ham-band performance
>in one box is asking a little much --- and only one manufacturer
>is willing publicly to address the problem:
>Ten-Tec's ads put the Omni V and Paragon side by side, with generally
>identical appearance and features and price, but with their comment
>that if you must have general coverage, buy Paragon, but if you want
>top ham performance, Omni.  My own service experience with T-T has
>been no b-s assistance from the guy who answers the phone, overnight
>receipt of needed components, and flea-market size bills.
>On the other hand, don't write off Drake stuff.  None available new
>any more, sadly, but it'
>it's very very good stuff.
>Collins likewise.
>*** the power of <><ADVERTISING<><*****
>
```

>

Watch out for those cheap ICOM rigs. When a friend of mine was looking for
an inexpensive rig, we looked at the Kenwood TS-140, YAESU and ICOM. The
most striking feature of the ICOM is it had no IF Shift! We immediatly
dismissed the ICOM as one of the rigs to buy. He ended up with the Kenwood
and likes it a lot. 73 WF2V Len

From -6274093759937284142
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5326a0215d89ad6f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb2af,8ed6b17be540a8fa
X-Google-Attributes: gidfb2af,public
X-Google-Thread: f5280,c1ae1b96638404f5,start
X-Google-Attributes: gidf5280,public
X-Google-ArrivalTime: 1991-01-09 05:48:30 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Expired license
Summary: expired?
Message-ID: <750@ssc.UUCP>
Date: 9 Jan 91 08:13:18 GMT
References: <1991Jan07.154543.25707@hpmclc.mcm.hp.com>
Organization: very little
Lines: 27

In article <1991Jan07.154543.25707@hpmclc.mcm.hp.com>, greg@hpmcpgr.hp.com (Gregg
Robinson) writes:
> Please help..
>
> The other night as I was "twisting the knobs" I got to thinking that my 10
> years was about up since I got my Advanced ticket. Draging out my license
> I was horrified to find my ticket expired in July of 1987.

(stuff deleted)
>
> ANY IDEAS?
> PLEASE.
>
> Gregg Robinson ex (sob-sob) KA7MDM

Relax. It is still listed in the 1991 Callbook, so it didn't really expire
4 years ago. It must have been grandfathered. I would renew it right
away though.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089

MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -8777793506000989924
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b6fced14dbe7537,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 05:57:35 PST
Path: gmdzi!unido!mcsun!uunet!sbi!zeus!pivot-nj!canada!jerrys
From: jerrys@canada.sbi.com (Jerry Simonowits)
Newsgroups: rec.ham-radio
Subject: new technician class
Message-ID: <126@canada.sbi.com>
Date: 8 Jan 91 22:58:41 GMT
Organization: Salomon Brothers - NJ
Lines: 56

Hi,
Just thought I would bring folks up to date on my previous inquiry.

First, as confirmed thru my VE and mentioned in a club meeting last Sunday by the Norther N.J. section manager there is no prcedure in place for those who have previously passed elements 2 and 3a to file a 610 form. The VE's are only required to sign and send one in if an applicant has passed a unit which they administered.

The section manager's suggestion was to have the individual fill out the form 610 himself, attach a copy of the CSCE and forward it to the FCC for processing. Basically, he said they made the mess and now they should figure out what to do.

I did receive a number of replies which indicated that some VE testing sessions were planning to give the elements and then hold onto the paperwork until 2/14 when they could be submitted. DON'T DO THIS!!!

Anyone doing this is violating the rules which state that the VE has five (5) days to get the completed paperwork to the VEC who then has x days to get it to the FCC. You may have good intentions but it is against the rules. And, if you "stretch" the rules here, where else will it lead ...

Lastly, as part of my original post I asked for info. on how to get in touch with the FCC. A number of people have responded in a very strong fashion, both on netnews and via email. In summary, they all said that calling the FCC was the last thing on earth I should think of. Who knows, I might get them to make some kind of interpertation which would negatively impact the hobby!!! (heaven forbid)...

Well, sorry folks, but I for one prefer not to run scared of the "big bad" FCC. After all, even if I wasn't a ham, I am a tax payer. And as such have every right to query this govermental agency regarding the rules that they set up for any service. Being a ham, with a personal stake in this makes it even more imperative that I speak with them. I am doing so and will let everyone know what, if anything I find out. To those who wrote I think it's time to stop being "scaredy cats"...

To those of you who have already sent me info. directly or via a post to netnews I thank you. It's nice to know that there are people out there who care to help. If anyone else has any official info. from a VEC, the FCC, or VE on how they plan on handling this please let me know and I will summarize in a post for all.

Jerry Simonowits
Salomon Technology Services, Inc.
Internetworking & Support Group
Phone: 201-896-7330
Email: jerrys@canada.sbi.com
(KB2GCG)

***** all opinions expressed are soley my own and not that of my *****
**************** my employer ******************

From 7146764002052926216
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29b4a11527361cbc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 07:41:36 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: Re: Radio Shack bashing
Message-ID: <58130011@hpcupt1.cup.hp.com>
Date: 9 Jan 91 15:41:36 GMT
References: <41aFV2w163w@phoenix.com>
Organization: Hewlett Packard, Cupertino
Lines: 6
Posted: Wed Jan 9 09:41:36 1991

The name of George Bush and the address of 1600 Pennsylvania Ave,
Washington, D.C. comes quickly to mind.... So of the RS salesmen
had to stop for a mintue and think about the address before they
had a chuckle.
Cheers,
Jim

From -2336390074202604004
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bae3e5998c39f89,start
X-Google-Attributes: gid10c9e3,public

```
X-Google-ArrivalTime: 1991-01-09 07:45:36 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!
hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: Simple question about International Callbook
Message-ID: <58130012@hpcupt1.cup.hp.com>
Date: 9 Jan 91 15:45:36 GMT
References: <96229@aerospace.AERO.ORG>
Organization: Hewlett Packard, Cupertino
Lines: 4
```

Look at the begining of the country listing. Many of the countries have
a table explaining what the number mean. Your right on 7, it is for
a club station.
Jim, WA6SDM

```
From 8186681295247615295
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2bc5f2b849a7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 08:09:17 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!apple!agate!shelby!neon!
kaufman
From: kaufman@Neon.Stanford.EDU (Marc T. Kaufman)
Newsgroups: rec.ham-radio
Subject: Re: HELP with mike cord
Message-ID: <1991Jan9.021956.16682@Neon.Stanford.EDU>
Date: 9 Jan 91 02:19:56 GMT
References: <2629@cod.NOSC.MIL> <58130009@hpcupt1.cup.hp.com> <58@bootsie.UUCP>
Organization: Computer Science Department, Stanford University
Lines: 10
```

In article <58@bootsie.UUCP> olson@bootsie.UUCP (Eric Olson) writes:

> This has always worked for me (with telephone handset cords):
>
> To keep the cord from kinking up again, periodically dangle the
> mike as above and allow the cord to spin and reach equilibrium.

An alternative is to hold onto the microphone, and dangle the rig out the
window, letting it spin until it reaches equilibrium.

Marc Kaufman (kaufman@Neon.stanford.edu)

```
From -3333139635148836145
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 08:09:36 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!uw-beaver!ubc-cs!alberta!atha!
aupair.cs.athabascau.ca!rwa
```

```
From: rwa@cs.athabascau.ca (Ross Alexander)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <584@aupair.cs.athabascau.ca>
Date: 9 Jan 91 00:03:59 GMT
References: <19917.799.7009@canrem.uucp> <837@wells.UUCP>
Organization: Athabasca University
Lines: 9

k3tx@wells.UUCP (Dave Heller) writes: [overheard conversation]
>--  "Check it with an ohmmeter."
>--  "What's an ohmmeter?"
>The asker held a General license!

But: HE KNEW THE CODE :-) so everything's jake.  Sheesh.
--
--
Ross Alexander    rwa@cs.athabascau.ca    (403) 675 6311    ve6pdq
```

```
From -1004720633486354566
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8b6cd783d08726df,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8b6cd783d08726df,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,8b6cd783d08726df,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1991-01-09 08:24:28 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!snorkelwacker.mit.edu!
apple!usc!sdd.hp.com!samsung!cs.utexas.edu!uunet!sbi!zeus!newt!jl
From: jl@newt.sbi.com (Jean-Louis Ecochard)
Newsgroups: rec.ham-radio.packet,rec.ham-radio,rec.radio.shortwave
Subject: PK-232 GRAY SCALE
Message-ID: <412@newt.sbi.com>
Date: 8 Jan 91 19:47:28 GMT
Followup-To: rec.ham-radio
Organization: Systems Integration - Salomon Brothers, NY
Lines: 11
Xref: gmdzi rec.ham-radio.packet:3368 rec.ham-radio:18984 rec.radio.shortwave:3377

Has any one modified the PK-232 to display a gray scale
instead of the black and white only pictures ? This would
be great for WEFAX and SSTV !!!

Should I just sell my PK-232 & PCPAKRATT II and get the MFJ
unit that does 8 shades of gray ?

--
Jean-Louis Ecochard                 O
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~./_\.~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
                                 (__Y__)                uunet!sbi!chi!jl
```

From 3923631225497436872
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,87d29b2e9857c78e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 08:53:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!veritas!amdcad!brahms!lpdjb
From: lpdjb@brahms.amd.com (Jerry Bemis)
Newsgroups: rec.ham-radio
Subject: details please
Message-ID: <1991Jan9.001054.4475@amd.com>
Date: 9 Jan 91 00:10:54 GMT
Sender: lpdjb@brahms.amd.com
Organization: just a hobby of mine;
Lines: 13

I want detailed info on how to decode the phone number of the person calling when my phone rings. so far i understand that the data comes between the 1st & 2nd rings and that it is tone encoded.

Does it use telephone dialling tones of which there are 7 that come 2 at a time? Or modem tones--what baud rate?
What is the tone encoding? Is it ascii data or BCD?

Are there any mags. that explane the system?
Has the FCC written an OST on the subject?

I think the device in Nuts & Volts is overpriced. I'd rather make my own.

From -8346336562035446708
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64ebb1df5ba2dda2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 08:57:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!crdgw1!uunet!motcid!reichert
From: reichert@motcid.UUCP (Chuck KD9JQ)
Newsgroups: rec.ham-radio
Subject: Non-acidic RTV
Message-ID: <4581@cocoa46.UUCP>
Date: 8 Jan 91 19:32:43 GMT
Distribution: rec
Organization: Motorola Inc., Cellular Infrastructure Div., Arlington Heights, IL
Lines: 7

I would like to know about the non-acidic RTV source also.....

Hmm...that reminds me, I've got plenty of spare 50 ohm Transformer Oil for Dummy Loads, and 50 feet of quality Flight Line to guy towers with!

Chuck KD9JQ

From -4987293327957811053
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 10:13:04 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <654@chiton.ucsd.edu>
Date: 9 Jan 91 18:13:04 GMT
References: <19917.799.7009@canrem.uucp>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 46

In article <19917.799.7009@canrem.uucp> "greg trice" <greg_trice@canrem.uucp> writes:

> What I'd really like to see is some licensing incentive to use homebrew
> equimpent. Perhaps choice frequencies where commercial equipment is
> banned (but how would you enforce it?) Or a new grade of license to get
> which you had to show competence in design and construction of a useful
> piece of ham equipment.

This is a great idea. Actually, getting into homebrewing is easier today than ever before. There are many good references available today (Demaw,Hayward and many others) that are well written introductions to building low cost simple HF gear and accessories. There are companies that will sell the PC boards and components for some well known designs to get new homebrewer started. Building and understanding a few basic designs from available kits is a good start on the road to homebrewing your own designs from scratch. In fact, a great place to start is the keyer in the November issue of QST. This little unit looks so nice I'm going to have to build one for myself.

Now for a note of irony. The best way to learn about building HF transmitters is to start with (the outmoded mode) CW gear. Thats why you will hear so much activity around the QRP CW frequencies. I deliberately haunt the QRP CW freqs as I find the most interesting people there. I am constantly amazed by what some OPs have designed and built and put on the air. You won't find that kind of activity on the phone bands.

Now for another even heavier note of irony. If the current attempt to drive CW off the air to make room for the expanding digital and phone modes succeeds, it will also eliminate the only watering hole for HF experimentation and learning. There is a small anti-CW faction doesn't just want to eliminate the CW licence requirement for above 30 Mhz which I support,they want to eliminate CW operation period as being a useless and archaic mode. Since they don't operate CW they are not aware of the large volume of CW activity that is going on and the useful place CW occupies in the Amateur Radio Service. If they win, we all lose. But thats politics.

AA6PN

eliminate the

--
richard currier marine physical lab u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From 1023735377027071531
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 10:34:41 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <655@chiton.ucsd.edu>
Date: 9 Jan 91 18:34:41 GMT
References: <19917.799.7009@canrem.uucp> <1991Jan8.053536.11635@athena.cs.uga.edu>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 32

In article <1991Jan8.053536.11635@athena.cs.uga.edu> mcovingt@athena.cs.uga.edu (Michael A. Covington) writes:
>I, too, would like to encourage homebrewing. (The CW debate convinced
>me that ham radio has *already* turned into CB, i.e., near 100%
>appliance operation, with Morse code rather than technical knowledge
>as the hams' claim to fame!)

Sorry Michael but if you do your homework you will find that the largest number of people who are into homebrewing on the HF bands start out by building simple CW gear. If you take the time to actually talk to the people that you will find hanging around the QRP CW frequencies it is there that you will find some of the most technically proficient hams on the bands. Its too bad that your anti-CW attitude will always prevent you from meeting the kind of people you say you want to see more of in Amateur Radio. Well, they are already there and they would be happy to see you join them. Please give yourself a break, get out your key and explore the opportunities that exist on the CW bands before you write the mode off as useless or worse, actively join the ranks of those trying to destroy it.

Let there be no mistake here, I and many other CW OPs SUPPORT the new no-code licence, will welcome any new hams with the licence with open arms and will smother them with our enthusiasm for ALL of the many modes available to them as new hams.

AA6PN

--
richard currier marine physical lab u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From -5944734508489552179
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9fab221d2e9f904c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 10:36:09 PST
Path: gmdzi!unido!mcsun!uunet!fernwood!apple!usc!cs.utexas.edu!oakhill!val!ben
From: ben@val.com (Ben Thornton)
Newsgroups: rec.ham-radio
Subject: Ham mailing list needed.
Keywords: FCC database
Message-ID: <1991Jan9.012744.29338@val.com>
Date: 9 Jan 91 01:27:44 GMT
Distribution: rec
Organization: Video Associates Labs
Lines: 21

I'm posting this for a friend:

The Austin, Texas Amateur Radio Club is looking for a list of ham radio operators in ZIP codes 786XX and 787XX, so we can mail a copy of our next bulletin to all the hams in our area. If you have access to this information, please call me collect at (512) 327-1310 evenings after 6pm CST.

Thank you es 73

Miles Abernathy, N5KOB
3216 Park Hills Dr.
Austin, TX 78746

--
Ben Thornton packet: WD5HLS @ KB5PM
Video Associates Internet: ben@val.com
Austin, TX uucp: ...!cs.utexas.edu!val!ben
Did Schrodinger exist? ...or was that in another universe?

From -5254177545181817371
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 10:47:41 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <656@chiton.ucsd.edu>
Date: 9 Jan 91 18:47:41 GMT
References: <19917.799.7009@canrem.uucp> <42229@ut-emx.uucp>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 36

In article <42229@ut-emx.uucp> kipper@ccwf.cc.utexas.edu (Kip Ingram) writes:

>
> HERE HERE!!!!!!!!!!! I'm new to the hobby, and the Greg describes above is the hobby I THOUGHT I was getting into. I'm waiting for my license now, and already have built a QRP CW transmitter for 10 meters. I was looking extremely forward to discussing construction techniques, design ideas, and so forth with other avid builders.
>

Welcome, welcome to the ranks. Be sure to hang around the QRP CW frequencies when you get on the air. It is here that you will find the largest concentration of homebrewers. They will chew you ears off about all the things you are interested in and don't be surprised it they suggest a shift to packet, phone, amtor, 2M FM etc. for alternate modes of operation. These guys don't like to limit themselves in any way.

>
> Homebrew allows ANYTHING! However, I do think some spectrum space reserved for hams who have passed an EXTREMELY rigorous technical exam (one involving heavy duty questions about circuit theory, construction techniques, and so forth) would be great. This license class should require only the 5 wpm minimum code, and ANY emmission should be allowed there. In other words, anyone who has the technical punch to homebrew should get to strut his stuff in the "Homebrewer's band'.

An excellent idea that I have been hearing more and more of lately. If we are serious about bringing in new generations of technically motivated hams we may need to provide the playground for them to expand their skills and exercise their interests.

AA6PN

--
richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu

619-534-1730

From -8787151026628705547
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 10:59:44 PST
Path: gmdzi!unido!mcsun!uunet!bonnie.concordia.ca!thunder.mcrcim.mcgill.edu!snorkelwacker.mit.edu!usc!zaphod.mps.ohio-state.edu!swrinde!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <657@chiton.ucsd.edu>
Date: 9 Jan 91 18:59:44 GMT
References: <19917.799.7009@canrem.uucp> <42229@ut-emx.uucp> <1991Jan8.172554.17706@athena.cs.uga.edu>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 19

In article <1991Jan8.172554.17706@athena.cs.uga.edu> mcovingt@athena.cs.uga.edu (Michael A. Covington) writes:
>
>That's what Extra Class *ought* to be. Away with all this fast CW snobbery!
>REAL hams know how to build radios!!!

Sorry to keep harping on the point, but most homebrewers start out by building simple CW rigs. There are many reasons for this but the bottom line is if you want to build radios for HF operation you will have a very hard time maintaining your anti-CW attitude. The only snobbery is in your own mind. Please give the mode a break. CW OPs are the least elitest, most open minded group of hams you will find. Don't take my word for it. Break out your key and give it a try.

AA6PN

--
richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From 573556146323029007
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e23c8793556882ac
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 11:00:09 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Code vs. No-Code Compromise?
Message-ID: <1036.278A5566@w8grt.fidonet.org>

Date: 9 Jan 91 05:31:09 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 20

> From: k3tx@wells.UUCP (Dave Heller)
> Date: 8 Jan 91 16:29:08 GMT
> Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
> Message-ID: <834@wells.UUCP>
> Newsgroups: rec.ham-radio
>
> I would not want to "force CW down everyone's throat" but
> I would like to see everyone give it a fair try before
> telling the world how useless etc it is.

I don't think anyone says it is "useless" - only that it is not meaningful to test for code ability for VHF only licenses.

There's a difference.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -735779654779903645
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 11:09:50 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <1941@ke4zv.UUCP>
Date: 9 Jan 91 19:09:50 GMT
References: <19917.799.7009@canrem.uucp> <837@wells.UUCP> <1991Jan8.184642.19354@athena.cs.uga.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 46

In article <1991Jan8.184642.19354@athena.cs.uga.edu> mcovingt@athena.cs.uga.edu (Michael A. Covington) writes:
>I wonder if a super-simple homebrew 2-meter transmitter might be feasible.
>
>Motivation: Many new hams already have a receiver (a scanner) but no
>transmitter, and would like to talk on the local repeater.
>
>Approach: Get a scanner crystal that is designed for 10.7 MHz above
>your desired transmit frequency. E.g., if you want to transmit on 146.000,

>get a 156.700-MHz scanner crystal.
>
>This will oscillate (in overtone mode) at (156.7 - 10.7) / 3, or
>48.66667 MHz. Triple this, and you're on 146.000.
>
>For modulation, use either a varicap in the crystal circuit, or some
>kind of reactance phase modulation.
>
>Power output could be very low; even 0.02 watt will work the local repeater.
>
>In sum, something comparable to a baby monitor transmitter would help
>new hams get on 2m. Comments, anyone?

Well, you need to prevent the oscillator from being pulled in frequency
by the load so you need a buffer stage. Since you're going to add a stage,
you might as well order fundamental crystals for 48 Mhz and follow with
a tripler stage, and output stage, and a little matching. This will easily
get you to the 1 watt level. You need a microphone amplifer, a FET should
do. So now you've got a four transistor, one watt transmitter with only
two tuned circuits, tripler output and final output. Not bad. All new parts
cost under $25. If you eliminate the final amp and take the output from the
tripler, you would have about .05 watt, but it might be a little dirty
since you would be down to one tuned circuit. Not an ideal state of the
art design, but it should be functional. There's probably a single IC
that would do it all.

```
mic|--|AF amp|--|Xtal osc|--|tripler|--|LC|--|PA|--|LC|--|ant
```

A better circuit would use a 6C10 with the first section being the
speech amp, the second section the oscillator, and the third section
the tripler. Follow with a 6146B PA and you have a two tube 60 watt
FM transmitter. Now that's simple! :-)

Or even better, use a pentagrid converter tube with the tube serving
rentrantly as AF amp, oscillator, tripler, and final. :-) :-)

Gary KE4ZV

From -4276509262692775129
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1bfe99081f447df,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 11:27:34 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!uwm.edu!bionet!agate!ucbvax!hplabs!
hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Codeless Tech??
Message-ID: <1250325@hpnmdla.HP.COM>
Date: 9 Jan 91 19:27:34 GMT
References: <134353@tiger.oxy.edu>

Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 22
Posted: Wed Jan 9 13:27:34 1991

In rec.ham-radio, d_reeves@oxy.edu (Bryan Douglas Reeves) writes:

>Uh, oh. I go away on break from school for X-Mas, and I come back to find
>some startling revelations.

>Could someone please e-mail me a few answers:

>T or F:

>Tech class tickets will be issued after Feb 14 without a 5wpm code test.
True

>Novice class tickets are not to be issued after Feb 14.
False

>Passing 5wpm allows new techs to old tech HF bands (ie, CW subbands, 10M
>N/T sub band).
True
(But it has to be before 3 certified VE's, not the 2 general-class hams
required for Novice)

AL N1AL

From 7648735341922018739
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,190ffb7ee4c3a4ca
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 11:28:55 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: ARRL news
Message-ID: <753@ssc.UUCP>
Date: 9 Jan 91 19:28:55 GMT
References: <1981@n8emr.UUCP>
Organization: SSC, Inc., Seattle, WA
Lines: 13

In article <1981@n8emr.UUCP>, root@n8emr.UUCP (Root) writes:
> R:910107/1644z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:279 Z:43232
...
> R:910103/0216z 36780@N1API.CT.USA.NA Meriden, Ct. Z:06450

It's real nice that we now know how you got the message, but
is it really necessary to post 38 lines of routing?

It would be even nicer if the ARRL had a subject heading
that could be used, so we could skip the whole thing if it

wasn't relevant.

markz@ssc.uucp

From 281254891568453442
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9fab221d2e9f904c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 11:33:01 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!swrinde!ucsd!ucbvax!
hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Ham mailing list needed.
Message-ID: <1250326@hpnmdla.HP.COM>
Date: 9 Jan 91 19:33:01 GMT
References: <1991Jan9.012744.29338@val.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 14

In rec.ham-radio, ben@val.com (Ben Thornton) writes:

> The Austin, Texas Amateur Radio Club is looking for a
>list of ham radio operators in ZIP codes 786XX and 787XX,
>so we can mail a copy of our next bulletin to all the
>hams in our area. If you have access to this information,

You can get this info (for a price) from the Radio Amateur Callbook company.
Also, Buckmaster Publishing, Mineral, VA 32117 (703) 894-5777, publishes
the US callsign listings sorted geographically (by state, town and
street). I have bought this list in microfiche form, and I believe
they have it in printed form as well.

AL N1AL

From 423864669960991844
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8163a0129de4dc0e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 11:33:38 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!
unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: Radio Shack bashing
Summary: re question pools
Message-ID: <845@wells.UUCP>
Date: 9 Jan 91 05:16:09 GMT
References: <49389@sequent.UUCP> <7880397@hpfcdc.HP.COM> <1818@sun13.scri.fsu.edu>
<1991Jan8.215126.16563@tridom.uucp>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058

Lines: 28

> change the question pool "substantially" as of November 1990, and that new
> books should be available October 1990.
> Needless to say, I returned the package. The store mgr. said "I know this
> is the latest that's been done; can't say I blame you for returning it." Too
> bad the tapes were bundled -- I would have kept those. A co-worker & I are
> heading over to a local HR shop later this week to get the ARRL material.
> So -- does anybody know if the question pool *did* change in November? Did
> RShack loose a sale unnecessarily? Does anyone have any HF/2-meter gear
> they want to give away? :-)

The changes in the question pools are technically insignificant. A reading
of the rule book will help with any part 97 changes.

If you actually know what a fraction of what you should know to be a
decent amateur operator the test should be no problem at all.

If you plan to memorize enough to pass, well, shame on you.

If all you want is the question pool, with answers in the rear,
recommend the W5YI set.

For learning material, I recommend ARRL.

And get an ARRL Handbook - and read it.

And get an ARRL Antenna Book - and read it.> --
> Larry Kollar ...!emory!tridom!lkollar / lkollar@tridom.uucp   <- 1 line sig!

From -4029643034631070791
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,190ffb7ee4c3a4ca
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 13:01:47 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!root
From: root@n8emr.UUCP (Root)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1982@n8emr.UUCP>
Date: 9 Jan 91 05:15:54 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 24

From n8emr!KB8NW Tue Jan 8 22:34:48 1991
Return-Path: <n8emr!KB8NW>
Message-Id: <m0itWX6-0000q0C@n8emr.uucp>
[Date: Tue, 8 Jan 91 22:33 EST
[To: <ALL@ARRL>
R:910109/0242z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:320 Z:43232

R:910109/0029z @:W8CQK Columbus, OH #:9584 Z:43229
R:910108/1824 @:WB8BII.OH.USA.NA Cuyahoga Falls, OH #:17563 Z:44223

ZCZC AG67
QST DE W1AW
ARRL BULLETIN 2 ARLB002
FROM ARRL HEADQUARTERS NEWINGTON CT
JANUARY 8, 1991
RELAYED BY KB8NW/OBS & BARF-80 BBS
TO ALL RADIO AMATEURS

On January 3, 1991, US Congressman Jim Cooper of Tennessee introduced in the House of Representatives a bill, H.R. 73, to prevent further losses of amateur spectrum unless suitable replacement spectrum is found. Additional congressional support for the bill is being sought and the possibility of a Senate counterpart to the bill is being pursued.

From -977362221114459266
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f21b8a6b5b1208e0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 13:03:14 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!agate!shelby!unix!synoptics!jkaidor
From: jkaidor@synoptics.COM (Jerome Kaidor)
Newsgroups: rec.ham-radio
Subject: Re: QST CMOS Super Keyer II
Message-ID: <22146@mvis1.com>
Date: 9 Jan 91 21:03:14 GMT
References: <50067@sequent.UUCP>
Organization: SynOptics Communications Inc. Mountain View, Ca.
Lines: 25

In article <50067@sequent.UUCP> dale@sequent.uucp (Dale Mosby) writes:
>I constructed the CMOS Super Keyer II seen in the November QST.
>It powered up and works fine, is a simple construction project,
>and is easy to use.
>
>I also have a MFJ Multi-Mode Data Controller which will operate
>as a keyer. I wanted something that would let me operate without
>having to connect my terminal to the MFJ as well as let me have a
>portable keyer -- the MFJ requires the terminal for control.
>

There is another "feature" of the MFJ1278 that I'd like to comment on. In CW mode it supports "full break in". What this means, is that the PTT output pulses right along with the keying output! Now, this is fine for a modern rig that supports full-breakin, but on an older radio like my TS830, it's liable to wear out the transmit/receive relays FAR before their time. Now, there _are_ workarounds. For example, in the particular case of the '830, one could just disconnect the TNC from the radio mike input, turn the VOX on, and let the CW waveform switch the rig via the radio's "semi-break-in" feature. Or one could build a gadget with a 555 timer to produce "semi-breakin output". OR MFJ COULD HAVE JUST BUILT IT INTO THE FIRMWARE!!!!

- Jerry Kaidor
(KF6VB)

From -5635345043496916620
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f4c00b6dfc129a7e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 13:09:00 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: SPECIAL SOLAR TERRESTRIAL BULLETIN AND STRATWARM ALERT UPDATE
Message-ID: <910109013723.25a008b5@HG.ULeth.CA>
Date: 9 Jan 91 08:37:23 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 86

/\/\/\/\/\/\/\/\/\/\/\/\/\

SPECIAL SOLAR TERRESTRIAL BULLETIN

Information Update
08 January, 1991

/\/\/\/\/\/\/\/\/\/\/\/\/\

SOLAR CONDITIONS AS OF 08 JANUARY, 1991.

As was anticipated, Region 6442 (S11W59) began producing M-class flares on 08 January. It has produced three M-class flares over the past 24 hours. The first flare occurred at 04:34 UT and lasted 61 minutes. It achieved a class M1.8/1N intensity and was associated with a 640 s.f.u. (solar flux unit) radio burst at 10 cm wavelengths. The second flare occurred at 06:56 UT and lasted 20 minutes. It was rated as a class M1.1/SF flare and was not associated with any significant radio bursts. The third flare occurred at 11:27 UT and lasted 32 minutes. It was rated as a class M1.2/1N flare and was associated with a 1,100 s.f.u. radio burst at 245 MHz. The locations of these flares were at S11W48, S12W50 and S13W51 respectively. Region 6442 has begun to slow in growth and is expected to enter a decline phase after it passes beyond the west limb on 10/11 January. However, it is expected to continue to produce M-class flares throughout the remainder of it's transit over the west limb.

Of perhaps equal importance were the events which have transpired over the eastern solar limb. Region 6444 (N14E65) has rotated into better view now and has revealed numerous additional trailing spots. It is not yet clear whether the trailing spots are associated with Region 6444 or with old Region 6412 (which produced two powerful X-class flares just prior to it's passage beyond the west limb two weeks ago). This determination will be made clear over the next 24 hours as the eastern regions rotate into better view.

An eruptive prominence occurred on 08 January from behind the east limb. This event was associated with a long-duration class C7.5 x-ray burst, which peaked in intensity at 18:48 UT. The event lasted 72 minutes and managed to push the background X-ray flux for 08 January to a class C2.3 level (well above the C1.5 background levels measured on 07 January). In addition, this eruptive prominence was associated with a strong Type II radio sweep.

It will be interesting to observe the emergence of these eastern active centers over the next several days. The threat for M-class flaring is expected to remain high for at least the next 48 hours, and likely throughout the next week. The current sunspot number is 145, but is expected to climb quite dramatically over the next 48 hours, before levelling off. The disappearance of Region 6442 beyond the west limb will produce a drop in the sunspot numbers, but Regions 6444 and the active area's just beyond the eastern limb are expected to keep sunspot numbers elevated.

STRATOSPHERIC WARMING ALERT UPDATE - 08 JANUARY, 1991.

The stratospheric warming alert is being continued. This alert will likely remain in effect for at least the next 7 to 10 days. The stratospheric warming has become very intense with a center over Greenland. The affected area's are continuing to expand and spread northeastwards.

For those who are unfamiliar with stratospheric warming alerts, here is a brief explanation of these events. A stratospheric warming alert is issued whenever abnormally high temperatures are observed in the earth's stratosphere, which is the atmospheric transition zone between the trophosphere (the lower atmosphere we live in) and the ionosphere. Large area's of intense stratospheric warming can cause atmospheric expansion sufficient to increase drag on satellites. There is also some evidence that intense stratospheric warming events can cause changes in atmospheric circulation and weather patterns. This area is still being researched however, and is far from conclusive.

Intense solar activity can cause atmospheric expansion. However, stratospheric warming events are more often associated with natural processes occurring in the earth's atmosphere. Stratospheric warming tends to occur most often during the winter months and can appear quite suddenly and intensify quite rapidly. Abnormally high temperatures in the stratosphere cause changes in stratospheric circulation patterns and other characteristic changes. They pose no threat to man, but do warrant attention.

Stratospheric warmings are relatively rare. The last stratospheric warming alert was issued on 08 February, 1990 and lasted for over two weeks. This event is expected to be of a similar duration. We are in day 6 of the "Stratwarm Alerts" as of 08 January, 1991.

** End of Bulletin **

From -2009235095189891628
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,41a2a2f8d2307019,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 13:19:53 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!usc!julius.cs.uiuc.edu!apple!agate!shelby!unix!synoptics!jkaidor
From: jkaidor@synoptics.COM (Jerome Kaidor)
Newsgroups: rec.ham-radio
Subject: Re: Radio Shack
Message-ID: <22147@mvis1.com>
Date: 9 Jan 91 21:19:53 GMT
References: <9101091749.AD00055@rtp40.dg.com>
Organization: SynOptics Communications Inc. Mountain View, Ca.
Lines: 27

In article <9101091749.AD00055@rtp40.dg.com> Pete_Simpson@dgc.ceo writes:
>I've been reading with interest the notes from people who feel, as I
>do, that Radio Shack can do without my help in building up their
>database of names, addresses and phone numbers. More than anything
>else, it's a real pain to have to spend the extra time giving them
>all that stuff. I no longer fight it; I now give them what they ask
>for, the last four digits of my phone number...at work. I give them
>my real name and my mailing address at work. Now I'm in their
>database but I'm not bothered at home by anyone they care to sell it
>to. BTW, nothing yet in the mail from them here at work & I've been
>doing this for a couple of months, now.

It seems to me, that the "last four digits" they're asking for are just a hash code. They're not going to use them to call you up, because they're lacking three digits. It's just a way to get to the store's database, so that it can print out your receipt. Once you give them the #, they get a display with the few people who have the same number, and ask you which one you are. Now, this scheme _could_ be sabotaged, if everybody gave the same number. Then the hash wouldn't be random enough anymore. But why bother? At least it saves them from having to scribble down your name and address every time you buy something, given that they're committed to getting that information. And they HAVE been committed to getting that information ever since they became a national chain. This "last four numbers" business is just a streamlining of the old procedure.

- Jerry Kaidor, KF6VB

From -6843485792321182419
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,82aaeefebab1483f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 13:31:47 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!sci.ccny.cuny.edu!phri!cmcl2!lanl!stevens@mpx1.lampf.lanl.gov
From: stevens@mpx1.lampf.lanl.gov (Stevens, Thaddeus C.)
Newsgroups: rec.ham-radio
Subject: Call sign info
Message-ID: <10747@lanl.gov>
Date: 9 Jan 91 08:52:53 GMT
Expires: 9 Feb 91 08:52:53 GMT
Sender: news@lanl.gov
Reply-To: stevens@mpx1.lampf.lanl.gov
Followup-To: direct to above addr
Organization: LAMPF Data Analysis Center, Los Alamos, New Mexico
Lines: 11

Hello !!

Does anyone out there know if the call sign information for hams (
i.e. call sign, name, address) is available electronically somewhere
and how to access it ???

Thanks,

Thad   KG5ES

(Sorry if this has been covered; I'm new to the net)

From -162812102720307 48
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2d2cd636979426e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1083c4,6508243898326b64,start
X-Google-Attributes: gid1083c4,public
X-Google-Thread: 10c349,6508243898326b64,start
X-Google-Attributes: gid10c349,public
X-Google-ArrivalTime: 1991-01-09 14:43:51 PST
Path: gmdzi!unido!mcsun!uunet!munnari.oz.au!goanna!minyos!monu6!steve
From: steve@monu6.cc.monash.edu.au (Steve Balogh)
Newsgroups: aus.general,aus.radio,rec.ham-radio
Subject: Voice of America Frequency Schedules
Message-ID: <1991Jan9.094715.4771@monu6.cc.monash.edu.au>
Date: 9 Jan 91 09:47:15 GMT
Followup-To: poster
Organization: Monash University, Melbourne, AUSTRALIA
Lines: 858
Xref: gmdzi rec.ham-radio:18994

I received the following Voice of America schedule from E. Allen Brown (eab@voa3.voa.gov) and he gave me permission to post it to the net. I thought others might find it useful, so here it is...

All comments should go to Allen at the following address:

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
+E. Allen (Al) Brown (VOA/BBC)      WA3FYZ/ZF2LY           Voice of America+
+Wilber J. Cohen Building, Room G-748                   Broadcast Operations+
+Washington, DC 20547                             Computer Services Division+
+eab@voa3.voa.gov            ...uunet!voa3!eab              +1 202-619-2020+
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The following is the Voice of America broadcast schedule including language, time (UTC), frequency, transmitter site and the direction of the transmitted signal in degrees from true north.

The first column is an abbreviation for the language. For example, ALAB is Albanian, HAUS is Hausa, VEUR is English to VOA Europe, etc.

The GROUP is an internal routing flag and should be disregarded. TIME is obvious. FREQ is frequency in kilohertz.

SITE is the transmitter site. For example, WOF is Wofferton, England; TAN is Tangier, Morocco; GR is Greenville, NC; PHL is Philippines; KAV and RHO are Kavala and Rhodes, Greece, respectively.

And, as I alluded to above, AZI is the azimuth of the major lobe of the transmitted signal.

If you can't figure out the other abbreviations and need to know, send me a mailnote and I'll pass the information on to you.

73 and good DX.

LANG	GROUP	TIME(UTC)	FREQ	SITE	AZI
ALBA	E	1700 1730	05965	WER	120
ALBA	E	1700 1730	09735	WOF	114
ALBA	E	1700 1730	11805	WER	120
ALBA	E	1700 1730	15195	TAN	060
ALBA	E	1700 1730	18782U	GR	045
ALBA	E	1930 2000	05965	WOF	102
ALBA	E	1930 2000	09735	WOF	114
ALBA	E	1930 2000	11780	TAN	060
ALBA	E	1930 2000	14526U	GR	045
AMHA	S	1800 1900	09690	KAV	172
AMHA	S	1800 1900	11740	KAV	172
AMHA	S	1800 1900	11880	PHL	283

AMHA	S	1800	1900	15165	PHL	270
AMHA	S	1800	1900	17755	PHL	283
ARAB	H	0330	0400	01260	RHO	134
ARAB	H	0330	0530	05965	RHO	099
ARAB	H	0330	0530	09740	RHO	140
ARAB	H	0330	0530	10235U	GR	067
ARAB	H	0330	0600	11905	MUN	118
ARAB	H	0330	0800	15160	KAV	095
ARAB	H	0330	0800	17810	KAV	095
ARAB	H	0330	0800	17895	WER	120
ARAB	H	0400	0530	01260	RHO	134
ARAB	H	0430	0530	06125	WOF	172
ARAB	H	0430	0530	07160	KAV	172
ARAB	H	0430	0530	07651L	GR	045
ARAB	H	0430	0530	11805	KAV	240
ARAB	H	0530	0800	01260	RHO	134
ARAB	H	0530	0800	05965	RHO	099
ARAB	H	0600	0800	15195	MUN	118
ARAB	H	0730	0800	06150	TAN	078
ARAB	H	0730	0800	07768L	GR	067
ARAB	H	0730	0800	09565	GR	067
ARAB	H	0730	0800	09580	WOF	182
ARAB	H	0730	0800	09760	KAV	240
ARAB	H	0730	0800	11775	WOF	170
ARAB	H	0730	0800	11840	WER	180
ARAB	H	0730	0800	15235	WOF	152
ARAB	H	1100	1130	11735	RHO	099
ARAB	H	1100	1130	15160	KAV	095
ARAB	H	1100	1130	15225	MUN	118
ARAB	H	1100	1130	21550	WER	120
ARAB	H	1100	1130	21705	KAV	095
ARAB	H	1200	1230	11735	RHO	099
ARAB	H	1200	1230	15225	MUN	118
ARAB	H	1200	1230	15400	KAV	095
ARAB	H	1200	1230	21550	WER	120
ARAB	H	1200	1230	21700	KAV	095
ARAB	H	1300	1330	01260	RHO	134
ARAB	H	1300	1330	11905	RHO	099
ARAB	H	1300	1330	15225	MUN	118
ARAB	H	1300	1330	15400	KAV	095
ARAB	H	1300	1330	21550	WER	120
ARAB	H	1300	1330	21700	KAV	095
ARAB	H	1500	1600	15300	KAV	095
ARAB	H	1500	2200	17885	MUN	115
ARAB	H	1500	2200	21535	WER	120
ARAB	H	1500	2000	21570	KAV	095
ARAB	H	1600	2000	01260	RHO	134
ARAB	H	1600	2000	07205	RHO	099
ARAB	H	1600	2000	11960	RHO	140
ARAB	H	1600	2000	15155	KAV	095
ARAB	H	1800	2000	09530	WER	120
ARAB	H	1800	2000	09745	WER	210
ARAB	H	1800	2000	15245	GR	055

ARAB	H	1900	2000	17740	GR	067
ARAB	H	2000	2200	11905	KAV	095
ARAB	H	2000	2200	15225	KAV	095
ARAB	H	2100	2200	06160	KAV	240
ARAB	H	2100	2200	09530	WER	120
ARAB	H	2100	2200	09745	WER	210
ARAB	H	2100	2200	15245	GR	055
ARAB	H	2100	2200	17740	GR	067
ARME	D	0300	0315	06015	KAV	051
ARME	D	0300	0315	06080	WOF	090
ARME	D	0300	0315	07120	WER	090
ARME	D	0300	0315	07210	KAV	105
ARME	D	0300	0315	07651U	GR	045
ARME	D	0300	0315	09530	WOF	105
ARME	G	1500	1600	11805	WER	090
ARME	G	1500	1600	14526L	GR	045
ARME	G	1500	1600	15195	TAN	060
ARME	G	1500	1600	15235	WOF	075
ARME	G	1500	1600	17835	GLO	070
ARME	G	1500	1600	17855	TAN	060
ARME	G	1500	1600	18275U	GR	045
AZER	M	1900	2000	06160	KAV	051
AZER	M	1900	2000	07280	KAV	105
AZER	M	1900	2000	09680	KAV	095
AZER	M	1900	2000	11835	KAV	095
BANG	S	0130	0230	15210	PHL	283
BANG	S	0130	0230	17780	PHL	283
BANG	S	0130	0230	21475	PHL	283
BANG	S	1600	1700	01575	BAK	145
BANG	S	1600	1700	09590	PHL	283
BANG	S	1600	1700	11880	PHL	280
BANG	S	1600	1700	15185	PHL	283
BULG	D	0400	0430	01197	MUN	065
BULG	D	0400	0430	03980	MUN	055
BULG	D	0400	0430	06080	WOF	102
BULG	D	0400	0430	07295	WOF	102
BULG	D	0400	0430	07651U	GR	045
BULG	D	0400	0430	09530	TAN	060
BULG	D	0400	0430	09615	TAN	060
BULG	E	1730	1800	05965	WER	120
BULG	E	1730	1800	09735	WOF	114
BULG	E	1730	1800	11805	WER	120
BULG	E	1730	1800	15195	TAN	060
BULG	E	1730	1800	18782U	GR	045
BULG	E	2000	2030	05965	WOF	102
BULG	E	2000	2030	09735	WOF	114
BULG	E	2000	2030	11780	TAN	060
BULG	E	2000	2030	14526U	GR	045
BURM	S	0000	0030	01575	BAK	145
BURM	S	0000	0030	09670	PHL	270
BURM	S	0000	0030	11840	PHL	270
BURM	S	0000	0030	15215	PHL	283
BURM	S	1130	1200	01575	BAK	145

BURM	S	1130	1230	09505	PHL	290
BURM	S	1130	1230	11895	PHL	283
BURM	S	1130	1230	15250	PHL	283
BURM	S	1200	1230	01575	BAK	145
CANT	T	1500	1600	01143	PHL	322
CHIN	R	0000	0200	07200	PHL	330
CHIN	R	0000	0200	09545	PHL	349
CHIN	R	0000	0200	11925	PHL	349
CHIN	R	0000	0200	15395	PHL	349
CHIN	R	0000	0200	17765	PHL	349
CHIN	R	1100	1200	01143	PHL	322
CHIN	R	1100	1600	05955	PHL	332
CHIN	R	1100	1700	11965	PHL	332
CHIN	R	1100	1700	15410	PHL	349
CHIN	R	1100	1700	17745	PHL	349
CHIN	R	1100	1700	17790	PHL	350
CHIN	R	1100	1300	21585	PHL	349
CHIN	R	1330	1400	01143	PHL	322
CHIN	R	1600	1700	01143	PHL	322
CHIN	R	2000	2100	01143	PHL	322
CHIN	R	2000	2400	09545	PHL	349
CHIN	R	2000	2400	15395	PHL	349
CHIN	R	2000	2400	17765	PHL	349
CHIN	R	2100	2200	01575	BAK	145
CHIN	R	2100	2400	07200	PHL	330
CHIN	R	2100	2200	11925	PHL	349
CHIN	R	2200	2400	11925	PHL	349
CREO	LA1A	2200	2230	09670	GR	174
CREO	LA1A	2200	2230	11890	GR	164
CREO	LA1A	2200	2230	15120	GR	164
CREO	LA1A	2230	2300	09670	GR	174
CREO	LA1A	2230	2300	11890	GR	164
CREO	LA1A	2230	2300	15120	GR	164
CZEC	D	0500	0530	01197	MUN	065
CZEC	D	0500	0530	03980	MUN	055
CZEC	D	0500	0530	06080	WOF	102
CZEC	D	0500	0530	07295	WOF	102
CZEC	D	0500	0530	07651U	GR	045
CZEC	D	0500	0530	09615	TAN	044
CZEC	D	0500	0530	11710	TAN	044
CZEC	D	1730	1800	01197	MUN	115
CZEC	D	1730	1800	03980	MUN	055
CZEC	D	1730	1800	06060	WOF	102
CZEC	D	1730	1800	07180	WOF	102
CZEC	D	1730	1800	09660	WOF	058
CZEC	D	1730	1800	11855	TAN	044
CZEC	D	1730	1800	14526U	GR	045
CZEC	D	1730	1800	18275L	GR	045
CZEC	D	2000	2100	01197	MUN	065
CZEC	D	2000	2100	03980	MUN	055
CZEC	D	2000	2200	06060	WOF	105
CZEC	D	2000	2200	06150	WOF	090
CZEC	D	2000	2200	07180	WOF	102

CZEC	D	2000	2200	18782U	GR	045
DARI	E	0030	0100	01260	RHO	134
DARI	M	0215	0300	07651L	GR	045
DARI	M	0215	0300	09635	KAV	095
DARI	M	0215	0300	09705	KAV	051
DARI	M	0215	0300	11780	KAV	095
DARI	M	0215	0230	15105	KAV	095
DARI	M	0230	0300	15105	KAV	095
DARI	M	1515	1600	07295	KAV	105
DARI	M	1515	1600	11845	KAV	095
DARI	M	1515	1600	15355	KAV	095
DARI	M	1515	1600	21520	KAV	051
ECar	K	2200	2215	01580	ANT	170
ENGL	A	0100	0300	07115	COL	350
ENGL	A	0100	0300	07205	KAV	105
ENGL	A	0100	0300	11705	COL	350
ENGL	A	0100	0300	15160	KAV	051
ENGL	A	0100	0300	15250	COL	350
ENGL	A	0100	0300	17740	PHL	270
ENGL	A	0100	0300	21550	PHL	260
ENGL	A	0400	0430	00792	KAV	015
ENGL	A	0400	0500	05995	WOF	074
ENGL	A	0400	0700	06140	WOF	074
ENGL	A	0400	0700	06873L	GR	067
ENGL	A	0400	0700	07170	WOF	170
ENGL	A	0400	0600	07200	WOF	058
ENGL	A	0400	0600	09715	KAV	051
ENGL	A	0500	0700	00792	KAV	015
ENGL	A	0500	0700	05995	WER	045
ENGL	A	0500	0700	06060	WER	045
ENGL	A	0500	0600	09670	WOF	075
ENGL	A	0500	0600	09700	KAV	240
ENGL	A	0500	0700	11750	WER	120
ENGL	A	0500	0600	15205	KAV	095
ENGL	A	0600	0700	06095	TAN	078
ENGL	A	0600	0700	07325	WOF	086
ENGL	A	0600	0700	11805	KAV	240
ENGL	A	0600	0700	15205	KAV	095
ENGL	A	0630	0700	03980	MUN	055
ENGL	A	1400	1500	07125	COL	350
ENGL	A	1400	1800	09645	COL	036
ENGL	A	1400	1500	15205	KAV	051
ENGL	A	1400	1800	15395	COL	350
ENGL	A	1500	1600	01260	RHO	134
ENGL	A	1500	1800	07125	COL	350
ENGL	A	1500	2100	09700	KAV	105
ENGL	A	1500	1700	15205	WOF	086
ENGL	A	1500	1600	18275L	GR	045
ENGL	A	1500	1600	18782L	GR	045
ENGL	A	1630	1700	06180	WOF	074
ENGL	A	1630	2100	09760	WOF	066
ENGL	A	1630	1700	11710	WOF	066
ENGL	A	1630	1700	15245	TAN	044

ENGL	A	1700	1800	00792	KAV	015
ENGL	A	1700	1730	01197	MUN	115
ENGL	A	1700	1730	03980	MUN	055
ENGL	A	1700	2200	06040	WOF	058
ENGL	A	1700	1900	15205	TAN	044
ENGL	A	1800	2200	18275U	GR	045
ENGL	A	1800	1900	18782L	GR	045
ENGL	A	1900	2200	11710	TAN	044
ENGL	A	1900	2200	15205	TAN	044
ENGL	A	1900	2200	18782L	GR	045
ENGL	A	2100	2200	01260	RHO	134
ENGL	A	2100	2200	09700	KAV	095
ENGL	A	2100	2200	09760	WOF	105
ENGL	A	2100	2200	11960	RHO	140
ENGL	B	0300	0430	00621	BOT	ND
ENGL	B	0300	0700	06035	GR	094
ENGL	B	0300	0430	06145	GR	094
ENGL	B	0300	0700	09575	BY	074
ENGL	B	0300	0400	09585	GAB	127
ENGL	B	0300	0400	09655	GAB	170
ENGL	B	0300	0430	11835	GR	091
ENGL	B	0300	0700	15350	GR	091
ENGL	B	0300	0700	15752U	BY	062
ENGL	B	0300	0700	17715	TAN	170
ENGL	B	0300	0500	17755	PHL	270
ENGL	B	0300	0500	21600	PHL	283
ENGL	B	0600	0700	06125	BY	066
ENGL	B	0600	0700	09530	GR	094
ENGL	B	1600	2000	09575	PHL	270
ENGL	B	1600	2000	11920	PHL	270
ENGL	B	1600	2200	15410	GR	091
ENGL	B	1600	2200	15580	GR	094
ENGL	B	1600	2200	17800	BY	100
ENGL	B	1600	2200	19261U	BY	062
ENGL	B	1600	2200	21625	TAN	170
ENGL	B	1800	2200	00621	BOT	ND
ENGL	B	2000	2100	09570	PHL	270
ENGL	B	2000	2200	21485	GR	094
ENGL	H	0000	0230	00792	KAV	195
ENGL	H	0000	0230	11905	MUN	118
ENGL	H	0000	0230	15225	KAV	095
ENGL	H	0000	0200	15405	WER	120
ENGL	H	0000	0230	17810	KAV	095
ENGL	H	0100	0230	01260	RHO	134
ENGL	H	0100	0200	06095	RHO	099
ENGL	H	0200	0230	05965	RHO	099
ENGL	H	0200	0230	17895	WER	120
ENGL	H	0230	0300	00792	KAV	195
ENGL	H	0230	0300	01260	RHO	134
ENGL	H	0230	0300	05965	RHO	099
ENGL	H	0230	0300	11905	MUN	118
ENGL	H	0230	0300	15225	KAV	095
ENGL	H	0230	0300	17810	KAV	095

ENGL	H	0230	0300	17895	WER	120
ENGL	H	0830	0900	01260	RHO	134
ENGL	H	0830	0900	11735	RHO	099
ENGL	H	0830	0900	15160	KAV	095
ENGL	H	0830	0900	15195	MUN	118
ENGL	H	0830	0900	21570	WER	120
ENGL	H	0830	0900	21700	KAV	095
ENGL	H	1000	1100	11735	RHO	099
ENGL	H	1000	1100	15160	KAV	095
ENGL	H	1000	1100	15225	MUN	118
ENGL	H	1000	1100	21570	WER	120
ENGL	H	1000	1100	21705	KAV	095
ENGL	H	1130	1200	11735	RHO	099
ENGL	H	1130	1200	15160	KAV	095
ENGL	H	1130	1200	15225	MUN	118
ENGL	H	1130	1200	21550	WER	120
ENGL	H	1130	1200	21705	KAV	095
ENGL	H	1230	1300	11735	RHO	099
ENGL	H	1230	1300	15225	MUN	118
ENGL	H	1230	1300	15400	KAV	095
ENGL	H	1230	1300	21550	WER	120
ENGL	H	1230	1300	21700	KAV	095
ENGL	H	1330	1500	01260	RHO	134
ENGL	H	1330	1500	11905	RHO	099
ENGL	H	1330	1400	15225	MUN	118
ENGL	H	1330	1400	15400	KAV	095
ENGL	H	1330	1400	21550	WER	120
ENGL	H	1330	1500	21700	KAV	095
ENGL	H	1400	1500	15300	KAV	095
ENGL	H	1400	1500	17885	MUN	115
ENGL	H	1400	1500	21540	WER	120
ENGL	H	2200	2230	09530	WER	120
ENGL	H	2200	2230	11905	KAV	095
ENGL	H	2200	2230	11960	RHO	140
ENGL	H	2200	2230	15225	KAV	095
ENGL	H	2200	2230	15445	WER	120
ENGL	H	2200	2230	17885	MUN	115
ENGL	H	2230	2300	00792	KAV	195
ENGL	H	2230	2300	01260	RHO	134
ENGL	H	2230	2300	09530	WER	120
ENGL	H	2230	2300	11905	KAV	095
ENGL	H	2230	2300	11960	RHO	140
ENGL	H	2230	2300	15225	KAV	095
ENGL	H	2230	2300	15445	WER	120
ENGL	H	2230	2300	17885	MUN	115
ENGL	H	2300	2400	00792	KAV	195
ENGL	H	2300	2400	01260	RHO	134
ENGL	H	2300	2400	09530	WER	120
ENGL	H	2300	2400	11905	KAV	095
ENGL	H	2300	2400	11960	RHO	140
ENGL	H	2300	2400	15225	KAV	095
ENGL	H	2300	2400	15445	WER	120
ENGL	H	2300	2400	17885	MUN	115

ENGL	LA-1	0000	0200	05995	GR	174
ENGL	LA-1	0000	0200	09775	GR	205
ENGL	LA-1	0000	0200	09815	DL	126
ENGL	LA-1	0000	0200	11580	GR	183
ENGL	LA-1	0000	0200	15205	GR	174
ENGL	LA-1	0030	0100	01530	BLZ	228
ENGL	LA-1	0030	0100	01580	BLZ	148
ENGL	LA-1	0100	0200	01580	ANT	170
ENGL	LA-1	0100	0200	06130	GR	145
ENGL	LA-1	0100	0200	09455	GR	146
ENGL	LA-1	0200	0230	05995	GR	174
ENGL	LA-1	0200	0230	09775	GR	205
ENGL	LA-1	0200	0230	09815	DL	126
ENGL	LA-1	0200	0230	11580	GR	183
ENGL	LA-1	0200	0230	15205	GR	174
ENGL	LA1A	0000	0100	01580	ANT	170
ENGL	LA1A	0000	0100	06130	GR	145
ENGL	LA1A	0000	0100	09455	GR	146
ENGL	LA1A	0000	0100	11695	GR	146
ENGL	LA1A	1000	1200	01580	ANT	170
ENGL	LA1A	1000	1200	06075	GR	146
ENGL	LA1A	1000	1200	09590	GR	146
ENGL	LA1A	1000	1200	11915	GR	146
ENGL	P	0000	0100	07120	PHL	285
ENGL	P	0000	0100	09770	PHL	270
ENGL	P	0000	0100	11760	PHL	200
ENGL	P	0000	0100	15185	PHL	285
ENGL	P	0000	0100	15290	PHL	349
ENGL	P	0000	0100	17735	PHL	150
ENGL	P	0000	0100	17820	PHL	034
ENGL	P	0030	0100	01575	BAK	ND
ENGL	P	0100	0300	07115	COL	350
ENGL	P	0100	0300	07205	KAV	105
ENGL	P	0100	0300	11705	COL	350
ENGL	P	0100	0300	15160	KAV	051
ENGL	P	0100	0300	15250	COL	350
ENGL	P	0100	0300	17740	PHL	270
ENGL	P	0100	0300	21550	PHL	260
ENGL	P	1000	1200	05985	DL	272
ENGL	P	1000	1200	11720	PHL	137
ENGL	P	1000	1500	15425	PHL	285
ENGL	P	1100	1300	06110	PHL	200
ENGL	P	1100	1700	09760	PHL	270
ENGL	P	1100	1500	09760	PHL	021
ENGL	P	1100	1400	15155	PHL	349
ENGL	P	1100	1500	15425	PHL	212
ENGL	P	1200	1230	01143	PHL	322
ENGL	P	1200	1330	11715	PHL	137
ENGL	P	1300	1800	06110	PHL	270
ENGL	P	1400	1500	01143	PHL	322
ENGL	P	1400	1500	07125	COL	350
ENGL	P	1400	1800	09645	COL	036
ENGL	P	1400	1500	15160	PHL	349

ENGL	P	1400	1800	15395	COL	350
ENGL	P	1500	1800	07125	COL	350
ENGL	P	1530	1600	01575	BAK	145
ENGL	P	1900	2000	09525	PHL	137
ENGL	P	1900	2000	11870	PHL	150
ENGL	P	1900	2000	15180	PHL	285
ENGL	P	2100	2200	11870	PHL	150
ENGL	P	2100	2400	15185	PHL	285
ENGL	P	2100	2400	17735	PHL	150
ENGL	P	2200	2400	07120	PHL	285
ENGL	P	2200	2400	09770	PHL	270
ENGL	P	2200	2400	11760	PHL	200
ENGL	P	2200	2400	15290	PHL	349
ENGL	P	2200	2400	15305	PHL	137
ENGL	P	2200	2400	17820	PHL	034
ENGL	P	2230	2400	01575	BAK	ND
ESTO	D	1600	1630	06060	WOF	066
ESTO	D	1600	1630	07210	WOF	062
ESTO	D	1600	1630	09660	WOF	058
ESTO	D	1600	1630	11855	TAN	044
ESTO	D	1600	1630	11865	WOF	058
ESTO	D	1600	1630	11905	TAN	044
ESTO	D	1600	1630	14526U	GR	045
ESTO	D1	1800	1830	07170	GLO	041
ESTO	D1	1800	1830	09650	WER	045
FARS	M	0300	0430	07651L	GR	045
FARS	M	0300	0430	09635	KAV	095
FARS	M	0300	0430	09700	KAV	051
FARS	M	0300	0430	11805	KAV	095
FARS	M	0300	0430	15105	KAV	095
FARS	M	1700	1900	06160	KAV	051
FARS	M	1700	1900	07280	KAV	105
FARS	M	1700	1900	09680	KAV	095
FARS	M	1700	1900	11835	KAV	095
FREN	F	0530	0700	06020	GR	094
FREN	F	0530	0700	06180	GR	094
FREN	F	0530	0700	09565	GR	067
FREN	F	0530	0700	11835	GR	091
FREN	F	0530	0700	11875	KAV	208
FREN	F	0530	0700	11890	BY	087
FREN	F	1830	2030	15195	GR	094
FREN	F	1830	2030	17640	GR	094
FREN	F	1830	2030	17785	GR	091
FREN	F	1830	2000	21485	GR	094
FREN	F	2100	2200	15195	GR	094
FREN	F	2100	2200	17640	GR	094
FREN	F	2100	2200	17785	GR	091
FrHa	F	2030	2100	15195	GR	094
FrHa	F	2030	2100	17640	GR	094
FrHa	F	2030	2100	17785	GR	091
GEOR	D	0315	0330	06015	KAV	051
GEOR	D	0315	0330	06080	WOF	090
GEOR	D	0315	0330	07120	WER	090

GEOR	D	0315	0330	07210	KAV	105
GEOR	D	0315	0330	07651U	GR	045
GEOR	D	0315	0330	09530	WOF	105
GEOR	G	2000	2030	06140	KAV	105
GEOR	G	2000	2030	07280	KAV	105
GEOR	G	2000	2030	09535	KAV	095
GREE	E	1900	1930	05965	WOF	102
GREE	E	1900	1930	09735	WOF	114
GREE	E	1900	1930	11760	WOF	114
GREE	E	1900	1930	15145	TAN	078
HAUS	F	0500	0530	06020	GR	094
HAUS	F	0500	0530	06180	GR	094
HAUS	F	0500	0530	09565	GR	067
HAUS	F	0500	0530	11835	GR	091
HAUS	F	0500	0530	11890	BY	087
HIND	M	0030	0100	06010	KAV	105
HIND	M	0030	0100	07105	KAV	105
HIND	M	0030	0100	07205	KAV	051
HIND	M	0030	0100	07651L	GR	045
HIND	M	0030	0100	11780	KAV	095
HIND	M	0030	0100	15210	PHL	283
HIND	M	0030	0100	17780	PHL	283
HIND	M	0030	0100	21475	PHL	283
HIND	M	1600	1700	06160	KAV	105
HIND	M	1600	1700	07280	KAV	105
HIND	M	1600	1700	09680	KAV	095
HIND	M	1600	1700	11945	KAV	095
HIND	S	0030	0100	06010	KAV	105
HIND	S	0030	0100	07105	KAV	105
HIND	S	0030	0100	07205	KAV	051
HIND	S	0030	0100	11780	KAV	095
HIND	S	0030	0130	15210	PHL	283
HIND	S	0030	0130	17780	PHL	283
HIND	S	0030	0130	21475	PHL	283
HUNG	D	0530	0600	06080	WOF	102
HUNG	D	0530	0600	07295	WOF	102
HUNG	D	0530	0600	07651U	GR	045
HUNG	D	0530	0600	09615	TAN	044
HUNG	D	0530	0600	11710	TAN	044
HUNG	D	1800	1900	01197	MUN	065
HUNG	D	1800	1900	03980	MUN	055
HUNG	D	1800	2000	06060	WOF	105
HUNG	D	1800	2000	06150	WOF	090
HUNG	D	1800	2000	07180	WOF	102
HUNG	D	1800	1900	11750	TAN	044
HUNG	D	1800	2000	18782U	GR	045
HUNG	D	1900	2000	01197	MUN	065
HUNG	D	1900	2000	03980	MUN	055
HUNG	D	1900	2000	11750	TAN	044
INDO	S	1100	1130	09505	PHL	216
INDO	S	1100	1130	11895	PHL	200
INDO	S	1100	1130	15240	PHL	200
INDO	S	1330	1430	06030	PHL	200

INDO	S	1330	1430	09715	PHL	200
INDO	S	1330	1430	11715	PHL	216
INDO	S	2200	2330	09650	PHL	200
INDO	S	2200	2330	11805	PHL	200
INDO	S	2200	2330	15205	PHL	212
KHME	T	1400	1500	01575	BAK	145
KHME	T	1400	1500	09575	PHL	260
KHME	T	1400	1500	11930	PHL	270
KHME	T	1400	1500	15285	PHL	270
KHME	T	2200	2230	01575	BAK	145
KHME	T	2200	2230	07225	PHL	270
KHME	T	2200	2230	09510	PHL	270
KHME	T	2200	2230	11785	PHL	260
KORE	S	2130	2200	06110	PHL	021
KORE	S	2130	2200	07120	PHL	021
KORE	S	2130	2200	09755	PHL	021
KORE	S	2130	2200	11955	PHL	021
KORE	S	2130	2200	18525U	DL	311
KORE	T	1300	1400	09350U	DL	306
KORE	T	1300	1400	11930	PHL	021
KORE	T	1300	1400	15195	PHL	034
KORE	T	1300	1400	17720	PHL	021
LAO	T	1100	1130	01575	BAK	145
LAO	T	1100	1200	09620	PHL	280
LAO	T	1100	1200	11930	PHL	283
LAO	T	1100	1200	15140	PHL	260
LATV	D	1530	1600	07210	WOF	062
LATV	D	1530	1600	07245	WER	045
LATV	D	1530	1600	09735	WER	045
LATV	D	1530	1600	11865	WOF	058
LATV	D	1530	1600	11960	WOF	066
LATV	D	1530	1600	14526U	GR	045
LATV	D	1530	1600	18782U	GR	045
LATV	D	1700	1730	06060	WOF	066
LATV	D	1700	1730	07180	WOF	058
LATV	D	1700	1730	09660	WOF	058
LATV	D	1700	1730	11855	TAN	044
LATV	D	1700	1730	11865	WOF	058
LATV	D	1700	1730	14526U	GR	045
LATV	D	1700	1730	15245	TAN	044
LATV	D	1700	1730	18275L	GR	045
LATV	D1	0400	0415	06035	WER	030
LATV	D1	0400	0415	07105	WER	045
LATV	D1	0400	0415	07130	WOF	066
LATV	D1	0400	0415	09570	KAV	355
LITH	D	1630	1700	06060	WOF	066
LITH	D	1630	1700	09660	WOF	058
LITH	D	1630	1700	11855	TAN	044
LITH	D	1630	1700	11865	WOF	058
LITH	D	1630	1700	14526U	GR	045
LITH	D1	0415	0430	06035	WER	030
LITH	D1	0415	0430	07105	WER	045
LITH	D1	0415	0430	07130	WOF	066

LITH	D1	0415	0430	09570	KAV	355
LITH	D1	1830	1900	07170	GLO	041
LITH	D1	1830	1900	09650	WER	045
OAS	K	0000	0030	09565	BY	168
OAS	K	0000	0030	11830	BY	168
OAS	K	0000	0030	15160	BY	168
OAS	K	2345	2400	09565	BY	168
OAS	K	2345	2400	11830	BY	168
OAS	K	2345	2400	15160	BY	168
PASH	M	0000	0030	01260	RHO	134
PASH	M	0000	0030	07105	KAV	105
PASH	M	0000	0030	07651L	GR	045
PASH	M	0000	0030	09635	KAV	095
PASH	M	0000	0030	11780	KAV	095
PASH	M	0000	0030	15160	KAV	095
PASH	M	0130	0215	07651L	GR	045
PASH	M	0130	0215	09635	KAV	095
PASH	M	0130	0215	09705	KAV	051
PASH	M	0130	0215	11780	KAV	095
PASH	M	0130	0215	15105	KAV	095
PASH	M	1430	1515	07295	KAV	105
PASH	M	1430	1515	11845	KAV	095
PASH	M	1430	1515	15355	KAV	095
PASH	M	1430	1515	21520	KAV	051
POLI	D1	0530	0630	01197	MUN	065
POLI	D1	0530	0630	03980	MUN	055
POLI	D1	0530	0630	05955	KAV	355
POLI	D1	0530	0630	06160	WOF	078
POLI	D1	0530	0630	07130	KAV	355
POLI	D1	0530	0630	10235U	GR	067
POLI	D1	2100	2400	01197	MUN	065
POLI	D1	2100	2400	03980	MUN	055
POLI	D1	2100	2200	09650	TAN	044
POLI	D1	2100	2200	11750	TAN	044
POLI	D1	2100	2400	18275L	GR	045
POLI	D1	2200	2400	06095	WOF	074
POLI	D1	2200	2400	06150	WOF	078
POLI	D1	2200	2400	09650	TAN	044
POLI	D1	2200	2400	11710	TAN	044
PORT	F	0430	0500	06020	GR	094
PORT	F	0430	0500	06180	GR	094
PORT	F	0430	0500	09775	GR	094
PORT	F	0430	0500	11835	GR	091
PORT	F	0430	0500	11890	BY	087
PORT	F	0430	0500	17770	PHL	283
PORT	F	1730	1830	15330	PHL	270
PORT	F	1730	1830	17740	PHL	270
PORT	F	1730	1830	21485	GR	094
PORT	F	2200	2300	15580	GR	094
PORT	F	2200	2300	17785	GR	091
PORT	F	2200	2300	17800	BY	100
PORT	LA-3	2200	2300	09455	GR	146
PORT	LA-3	2200	2300	11680	GR	146

PORT	LA-3	2200	2300	15330	GR	146
PORT	LA-3	2200	2300	17740	GR	146
PORT	T	1730	1830	15330	PHL	270
PORT	T	1730	1830	17740	PHL	270
ROMA	D	0430	0445	00792	KAV	015
ROMA	D	0430	0445	06080	WOF	102
ROMA	D	0430	0445	07295	WOF	102
ROMA	D	0430	0445	07651U	GR	045
ROMA	D	0430	0445	09530	TAN	060
ROMA	D	0430	0445	09615	TAN	060
ROMA	G	1800	1930	00792	KAV	015
ROMA	G	1800	1900	05965	WOF	102
ROMA	G	1800	1900	09735	WOF	114
ROMA	G	1800	1930	11780	TAN	060
ROMA	G	1800	1930	14526U	GR	045
ROMA	G	1800	1900	15125	TAN	060
ROMA	G	1900	1930	15125	TAN	060
ROMA	G	1930	2000	00792	KAV	015
RUSS	C	0300	0400	01197	MUN	065
RUSS	C	0300	0400	06040	WOF	058
RUSS	C	0300	0400	06180	GLO	047
RUSS	C	0300	0400	07105	WER	045
RUSS	C	0300	0400	07105	WER	090
RUSS	C	0300	0400	07190	GLO	059
RUSS	C	1200	1400	11835	WOF	066
RUSS	C	1200	1400	15205	KAV	051
RUSS	C	1200	1400	15235	WOF	062
RUSS	C	1200	1400	15280	WER	060
RUSS	C	1200	1400	17855	WOF	075
RUSS	C	1200	1400	17865	WER	075
RUSS	C	1200	1400	21625	GLO	065
RUSS	C	1600	1800	07170	KAV	051
RUSS	C	1600	1700	09595	GLO	057
RUSS	C	1600	1800	11740	KAV	051
RUSS	C	1600	1700	11805	WER	060
RUSS	C	1600	1700	14526L	GR	045
RUSS	C	1600	1800	15235	WOF	075
RUSS	C	1600	1700	18275L	GR	045
RUSS	C	1600	1800	18782L	GR	045
RUSS	C	1700	1800	09585	WOF	075
RUSS	C	1700	1900	11710	WOF	066
RUSS	C	1700	1900	14526L	GR	045
RUSS	C	1800	2000	06140	WOF	074
RUSS	C	1800	2000	07270	GLO	052
RUSS	C	1800	1900	09585	WOF	075
RUSS	C	1800	1900	11805	GLO	057
RUSS	C	1800	2300	11825	GLO	058
RUSS	C	1800	1900	18275L	GR	045
RUSS	C	1900	2300	07170	KAV	026
RUSS	C	1900	2200	09575	GLO	047
RUSS	C	1900	2100	09585	GLO	057
RUSS	C	1900	2100	09690	WOF	045
RUSS	C	1900	2100	18275L	GR	045

RUSS	C	2000	2200	06095	WOF	074
RUSS	C	2100	2300	06085	KAV	026
RUSS	C	2100	2400	06140	WOF	074
RUSS	C	2100	2200	07270	KAV	051
RUSS	C	2100	2300	07280	KAV	051
RUSS	C	2200	2400	06060	WER	060
RUSS	C	2200	2400	06160	KAV	051
RUSS	C	2200	2300	07270	KAV	051
RUSS	C	2300	2400	07125	KAV	051
RUSS	C	2300	2400	07270	KAV	105
RUSS	S	0800	1100	11930	PHL	349
RUSS	S	0800	1100	11965	PHL	021
RUSS	S	0800	1100	15325	PHL	021
RUSS	S	0800	1100	15410	PHL	349
RUSS	S	0800	1100	17865	PHL	021
SERB	D	0445	0500	00792	KAV	015
SERB	D	0445	0500	06080	WOF	102
SERB	D	0445	0500	07295	WOF	102
SERB	D	0445	0500	07651U	GR	045
SERB	D	0445	0500	09530	TAN	060
SERB	D	0445	0500	09615	TAN	060
SERB	E	2030	2130	00792	KAV	015
SERB	E	2030	2130	05965	WOF	102
SERB	E	2030	2130	09735	WOF	114
SERB	E	2030	2130	11780	TAN	060
SERB	E	2030	2130	14526U	GR	045
SLOV	E	0430	0500	01197	MUN	065
SLOV	E	0430	0500	03980	MUN	055
SLOV	E	0430	0500	09670	TAN	060
SPAN	LA-2	0100	0400	01530	BLZ	228
SPAN	LA-2	0100	0400	01580	BLZ	148
SPAN	LA-2	0100	0400	06030	BY	168
SPAN	LA-2	0100	0300	06190	GR	174
SPAN	LA-2	0100	0400	09465	DL	120
SPAN	LA-2	0100	0300	09670	GR	164
SPAN	LA-2	0100	0400	09840	GR	205
SPAN	LA-2	0100	0300	11895	GR	164
SPAN	LA-2	0100	0400	13740	BY	168
SPAN	LA-2	0100	0300	15400	GR	164
SPAN	LA-2	0300	0400	09670	GR	205
SPAN	LA-2	0930	1130	06040	GR	164
SPAN	LA-2	0930	1130	09525	BY	168
SPAN	LA-2	0930	1130	11580	GR	174
SPAN	LA-2	0930	1130	11935	GR	164
SPAN	LA-2	0930	1130	13740	DL	135
SPAN	LA-2	0930	1130	15265	GR	174
SPAN	LA-2	0930	1100	17810	ASC	245
SPAN	LA-2	0930	1100	21490	ASC	245
SPAN	LA-2	1100	1130	17810	ASC	245
SPAN	LA-2	1200	1300	01530	BLZ	228
SPAN	LA-2	1200	1300	01580	BLZ	148
SPAN	LA-2	1200	1300	11890	GR	205
SPAN	LA-2	1200	1300	11945	DL	120

SPAN	LA-2	1200	1300	13775	GR	205
SPAN	LA-2	1200	1500	15265	GR	183
SPAN	LA-2	1200	1500	17730	GR	174
SPAN	LA-2	1200	1400	17830	ASC	245
SPAN	LA-2	1200	1400	21490	ASC	245
SPAN	LA-2	1200	1300	21580	GR	174
SPAN	LA-2	1200	1500	21610	GR	164
SPAN	LA-2	1300	1430	01530	BLZ	228
SPAN	LA-2	1300	1430	01580	BLZ	148
SPAN	LA-2	1300	1500	11890	GR	205
SPAN	LA-2	1300	1500	11945	DL	120
SPAN	LA-2	1300	1500	13775	GR	205
SPAN	LA-2	1300	1500	21580	GR	174
SPAN	LA-2	1700	1730	15185	GR	183
SPAN	LA-2	1700	1730	17710	GR	164
SPAN	LA-2	1700	1730	17730	GR	174
SPAN	LA-2	1700	1730	21745	BY	168
SPAN	LA-2	2130	2200	11695	GR	205
SPAN	LA-2	2130	2200	11890	GR	164
SPAN	LA-2	2130	2200	15120	GR	164
SPAN	LA-2	2130	2200	17730	BY	168
SPAN	LARM	0000	0300	09525	GR	190
SPAN	LARM	0300	0400	09525	GR	190
SPAN	LARM	0400	0600	09525	GR	190
SPAN	LARM	0600	1030	06030	GR	205
SPAN	LARM	1030	1200	06030	GR	205
SPAN	LARM	1200	1400	09590	BY	168
SPAN	LARM	1400	2300	11930	GR	164
SPAN	LARM	2300	2400	09525	GR	190
SWAH	F	1630	1730	15150	PHL	270
SWAH	F	1630	1730	15320	GR	094
SWAH	F	1630	1730	15330	PHL	270
SWAH	F	1630	1730	17705	GR	094
SWAH	F	1630	1730	17740	PHL	270
SWAH	F	1630	1730	17785	GR	091
SWAH	F	1630	1730	21485	GR	094
SWAH	T	1630	1730	15150	PHL	270
SWAH	T	1630	1730	15330	PHL	270
SWAH	T	1630	1730	17740	PHL	270
Spcl	Q	1730	1800	00621	BOT	ND
TURK	H1	2000	2100	01260	RHO	134
TURK	H1	2000	2100	06160	WER	105
TURK	H1	2000	2100	07205	RHO	060
TURK	H1	2000	2100	09525	WER	120
TURK	H1	2000	2100	09670	WER	105
TURK	H1	2000	2100	11755	RHO	004
UKRA	G	0300	0400	00792	KAV	015
UKRA	G	0300	0500	06090	GLO	059
UKRA	G	0300	0500	06160	WOF	075
UKRA	G	0300	0500	06873U	GR	067
UKRA	G	0300	0500	07270	WOF	086
UKRA	G	0300	0500	09760	TAN	044
UKRA	G	1600	1800	06150	GLO	057

UKRA	G	1600	1800	07245	GLO	057
UKRA	G	1600	1800	07270	WER	075
UKRA	G	1600	1800	11825	GLO	058
UKRA	G	1600	1800	15265	TAN	060
UKRA	G	1600	1800	17855	TAN	060
UKRA	G	1600	1800	18275U	GR	045
URDU	E	0130	0200	07105	WER	090
URDU	E	0130	0200	09530	WER	090
URDU	M	0100	0130	06010	KAV	105
URDU	M	0100	0130	07105	KAV	105
URDU	M	0100	0130	07651L	GR	045
URDU	M	0100	0130	09635	KAV	095
URDU	M	0100	0130	09705	KAV	051
URDU	M	0100	0130	11780	KAV	095
URDU	M	1330	1430	10380L	GR	067
URDU	M	1330	1430	11805	KAV	095
URDU	M	1330	1430	15145	KAV	095
URDU	M	1330	1430	17875	KAV	095
URDU	M	1330	1430	21520	KAV	051
UZBE	C	0000	0100	05985	KAV	051
UZBE	C	0000	0100	07125	GLO	063
UZBE	C	0000	0100	09615	KAV	051
UZBE	C	0000	0100	09690	GLO	063
UZBE	C	0000	0100	11945	KAV	051
UZBE	C	1400	1500	15225	WOF	075
UZBE	C	1400	1500	15235	WOF	074
UZBE	C	1400	1500	17780	KAV	051
UZBE	C	1400	1500	17855	WOF	070
UZBE	C	1400	1500	18782L	GR	045
UZBE	C	1400	1500	21625	GLO	065
VEUR	H	0300	0330	01260	RHO	134
VEUR	H	0300	0330	05965	RHO	099
VEUR	H	0300	0330	11905	MUN	118
VEUR	H	0300	0330	15160	KAV	095
VEUR	H	0300	0330	17810	KAV	095
VEUR	H	0300	0330	17895	WER	120
VEUR	H	0800	0830	01260	RHO	134
VEUR	H	0800	0830	11735	RHO	099
VEUR	H	0800	0830	15160	KAV	095
VEUR	H	0800	0830	15195	MUN	118
VEUR	H	0800	0830	21570	WER	120
VEUR	H	0800	0830	21700	KAV	095
VEUR	H	0900	1000	01260	RHO	134
VEUR	H	0900	1000	11735	RHO	099
VEUR	H	0900	1000	15160	KAV	095
VEUR	H	0900	1000	15195	MUN	118
VEUR	H	0900	1000	21570	WER	120
VEUR	H	0900	1000	21700	KAV	095
VIET	S	1230	1330	01143	PHL	262
VIET	S	1230	1330	09595	PHL	280
VIET	S	1230	1330	11835	PHL	276
VIET	S	1230	1330	15250	PHL	270
VIET	T	2230	2330	07225	PHL	270

```
VIET  T       2230 2330    09510     PHL     270
VIET  T       2230 2330    11785     PHL     260


----_--_-_-_--_-__-_------_-__---_-___-_----_-____-_-_--__-_--_--___-_-_-_--__-_
Steve Balogh  VK3YMY                   | steve@monu6.cc.monash.edu.au
Monash University (Caulfield Campus)  |      37 52'38.8"S  145 02'42.0"E ...ICBM
PO Box 197, Caulfield East        |      +61 3 573 2266 Voice (Office)
Melbourne, AUSTRALIA. 3145        |      +61 3 571 3646 Fax
```

From -9097521168273882530
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-09 14:44:38 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!rsiatl!jgd
From: jgd@Dixie.Com (John G. DeArmond)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <5716@rsiatl.Dixie.Com>
Date: 9 Jan 91 08:17:07 GMT
References: <19917.799.7009@canrem.uucp> <837@wells.UUCP> <1991Jan8.184642.19354@athena.cs.uga.edu>
Organization: Rapid Deployment Systems (making go-fast things and things that-go fast)
Lines: 35

mcovingt@athena.cs.uga.edu (Michael A. Covington) writes:

>I wonder if a super-simple homebrew 2-meter transmitter might be feasible.

>Motivation: Many new hams already have a receiver (a scanner) but no
>transmitter, and would like to talk on the local repeater.

>Approach: Get a scanner crystal that is designed for 10.7 MHz above
>your desired transmit frequency. E.g., if you want to transmit on 146.000,
>get a 156.700-MHz scanner crystal.

Not necessary. The stuff is already available. Hamtronics has $50 transmitter strips that are very nice with 1 watt out. For a little more, one can get a complete Ramsey 2 meter synthesized radio kit for about $140 or so. And building the kit would give 'em a good dose of solder smoke, an essential ingredient in the initiation process.

What bothers me about this theme, however, is that it falls right back into the stereotypical ham operator poormouthing. It is very unlikely that many barefoot bums are going to rush into ham radio and then want to buy a rig with their wine money. I challenge anybody with enough wherewithall to pass the exams NOT to be able to come up with a hundred dollars or so for a used rig. And if isolated case do pop up, it is tradition for the hams in a local area to loan and/or give the new ham enough equipment

to get on the air.   I know that when I got my ticket, I was deluged with
boat anchors that I graciously accepted and used. There just ain't no need
for charity radios.

John

```
--
John De Armond, WD4OQC         | "Purveyors of speed to the Trade"  (tm)
Rapid Deployment System, Inc. |  Home of the Nidgets (tm)
Marietta, Ga                   | "To be engaged in opposing wrong offers but
{emory,uunet}!rsiatl!jgd      |  a slender guarantee of being right."
```

From 1966131654062029
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e77bb3d7300ae6ef,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 10:11:28 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!zaphod.mps.ohio-state.edu!
pacific.mps.ohio-state.edu!linac!att!pacbell.com!ucsd!ucbvax!cpdvax.csc.ti.com!
dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Subj: Re: An Outside Viewpoint
Message-ID: <9101072148.AA03148@tilde>
Date: 7 Jan 91 21:48:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 42

<allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)> writes:

>As quoted from <7880396@hpfcdc.HP.COM> by ajs@hpfcdc.HP.COM (Alan Silverstein):
>+---------------
>| > HAM RADIO IS UNPOPULAR BECAUSE UNDERSTANDING TECHNOLOGY IS UNPOPULAR.
>|
>| Consider automobiles. In their early years, you pretty much had to be a
>| mechanic to own one. Nowadays, due to successful "consumer packaging",
>| total idiots (in more ways than just auto mechanics) can drive cars.
>+---------------
>
>Yes, but what happens when there are no more auto mechanics, because nobody
>wants to learn how? I'm not saying *everyone* must become technologically
>knlwdgeable, but the U.S. at least is fast headed toward a point where we
>will be dependent on Asia for our technology because nobody here understands
>it any more.

IMHI, ours is becoming a "black box" society (if we aren't there already!). We
now balance the cost of throwing away an item or sub-assembly against the cost
of repair. The busy person is the one who can repair those "black boxes" for
half the cost of a new one, and still make a living wage. How many Hams
repair their own equipment? How many automobile owners repair their own
engine computer?

Here's a (perhaps remote) example of what I mean: My XYL's car has an automatic deck lid closure that is motor-driven. It failed due to breakage of a CHEAP! plastic gear. Dealers told me that this gear was impossible to get, and that it would require replacing the entire assembly ($200). Yet the part was easily accessible, and easy to remove and replace! To make a long story short, I finally obtained the part through the auto manufacturer, and spent about 20 minutes (including R & R of the assembly) to fix the thing.
(P.S. If yours is broken, I'll fix it for $100, you ship)

The point is, that we seem spring-loaded to the "throw-it-away-and-buy-a-whole-new-one" position. Or, we technically-inclined folk dash it off to the nearest fix-it guy rather than doing it ourselves (and thereby probably getting a poor job than we could do).

73,
Dube   N5PDK

"Why waste time learning, when ignorance is instantaneous?" -Hobbes

From 7734461312681301052
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29b4a11527361cbc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-08 10:44:55 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!snorkelwacker.mit.edu!
think.com!spool2.mu.edu!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!rpi!uupsi!
fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <41aFV2w163w@phoenix.com>
Date: 7 Jan 91 21:32:38 GMT
References: <1991Jan6.204033.19970@informix.com>
Organization: Not BIFF At All (NBAA)
Lines: 27
Xref: gmdzi rec.radio.shortwave:3352 rec.ham-radio:18906

randall@informix.com (Randall Rhea) writes:

> In article <1781@sun13.scri.fsu.edu> murray@sun13.scri.fsu.edu (John Murray)
> >
> >Hey, I wouldn't trust some of RS's glorified stock boys to look up their
> >own phone number!
> >
>
> Having worked for Radio Shack for six years (1979-1984), I would like to
> comment this statement.
>

> My personal experience is that RS salespeople are more
> knowledgeable about their products than those at K-Mart, Sears, Wards,
> Target, etc.

I have never had a K-Mart, Sears, etc, salesperson refuse to make a cash sale to me. I HAVE had Radio Shack people refuse CASH. Why? Because I wouldn't give them my name and address. No, cash being waved in their face is NOT sufficient to buy something from Radio Shack.

> RS's policy on refunds and warranties is also quite
> beneficial to the customer, particularly if you complain to the district
> manager. RS will bend over backwards if you yell loud enough.

I complain VERY loudly whenever they refuse to accept a cash transaction. Has anything changed? Ha!

From 4116129280814368885
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79253954a608b32c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 11:19:03 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!apple!agate!shelby!unix!synoptics!jkaidor
From: jkaidor@synoptics.COM (Jerome Kaidor)
Newsgroups: rec.ham-radio
Subject: Re: Recommendations Needed: Cable through Window
Message-ID: <22144@mvis1.com>
Date: 8 Jan 91 19:19:03 GMT
References: <34245.2787533D@stjhmc.fidonet.org> <1991Jan8.023505.26431@NCoast.ORG>
Organization: SynOptics Communications Inc. Mountain View, Ca.
Lines: 19

I too, used to have similar problems, living in an assortment of rented apartments. Since I bought my house, I have come up with the following algorithm for getting cables in and out:

```
cable_in_out()
    {
    obtain power drill with long 1/2 inch bit;
    apply drill to wall;
    while( drill not through wall )
        {
        press button on drill;
        }
    }
```

(AHHH! didn't that feel good?)

- Jerry Kaidor, KF6VB

From 8915771989225163660
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcbff86ae533bc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 11:30:47 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!voder!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: New License
Message-ID: <1991Jan7.194536.12880@informix.com>
Date: 7 Jan 91 19:45:36 GMT
References: <8493@gollum.twg.com> <1991Jan3.024456.10587@informix.com> <3026@unccvax.uncc.edu>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 25

In article <3026@unccvax.uncc.edu> cs00jmc@unccvax.uncc.edu.UUCP (John Covington WN4BBJ) writes:
>>>Novice written element and the Technician written element....
>>
>>If someone wants the no-code Tech license, then he will have to memorize
>>the frequencies allocated to Novices ...
>
... >That is a side effect of the modular examinations.
>The alternative is to have a complete exam for each license class and
>no credit for past examinations.

The problem is that no-code Techs will be required to memorize
frequency allocations that they will NOT be able to use.   After answering
questions on how to call CQ using CW and what privileges are allocated
for the 40 meter band, it would not be unreasonable to expect that
a no-code Tech would assume that he had authority to use 40 meter CW.
(or phone on 10 meters)

For this reason, we need to change element 3A to make it clear that
no privileges are granted under 30 MHz.

--

=-=
Randall Rhea   Informix Software, Inc.
Senior Programmer/Analyst, MIS   uunet!pyramid!infmx!randall

From -7870687287085193007
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6569e351a5eb59a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 11:31:02 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!swrinde!ucsd!

chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: Cushcraft R5
Message-ID: <651@chiton.ucsd.edu>
Date: 7 Jan 91 21:37:41 GMT
References: <E15ED8622B7F00665F@ROSEVC.Rose-Hulman.Edu>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 23

In article <E15ED8622B7F00665F@ROSEVC.Rose-Hulman.Edu> DERRY@ROSEVC.Rose-Hulman.EDU writes:
>
>I've worked many stations who use the R5. Since I am thinking about
>acquiring one, I always ask thos ewho use them if they are completely
>satisfied. THEY ALL ANSWER,YES!
>
>Question for the net: are they really that good. My intention is to mount
>one at about 60 feet, just above my triband beam.

They are REALLY that good. I use one up 10' at the base on a fence post. I put it up at night due to antenna restrictions and work on wires in the daytime. Satisfaction here is total after several years of operation. SWR < 2:1 on all bands and easy to assemble and install. Get if you can't run a beam on a tower.

AA6PN

--
richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From 8633825174985835631
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29b4a11527361cbc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-08 11:34:52 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!dali.cs.montana.edu!milton!uw-beaver!ubc-cs!news-server.csri.toronto.edu!utgpu!utzoo!censor!geac!alias!dino!chk
From: chk%alias@csri.toronto.edu
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <1991Jan8.193844.11586@alias.uucp>
Date: 8 Jan 91 19:34:52 GMT
References: <1991Jan6.204033.19970@informix.com> <41aFV2w163w@phoenix.com>

Sender: news@alias.uucp (USENET News)
Reply-To: chk%alias@csri.toronto.edu
Organization: Alias Research, Inc. Toronto ON Canada
Lines: 24
Xref: gmdzi rec.radio.shortwave:3379 rec.ham-radio:18996

In <41aFV2w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:

>randall@informix.com (Randall Rhea) writes:

>   I have never had a K-Mart, Sears, etc, salesperson refuse to make a
>cash sale to me. I HAVE had Radio Shack people refuse CASH. Why? Because
>I wouldn't give them my name and address. No, cash being waved in their
>face is NOT sufficient to buy something from Radio Shack.

It is AGAINST THE LAW in both Canada and the United States to refuse a cash transaction in this context. Under the strictest legal interpretations, if they refuse cash you are legally entitled to walk from the store with your purchase in hand, because they have 'refused payment'.

Essentially, by refusing to accept cash they are giving you your purchase for free!

As with all free legal advice; caveat emptor. I have never tested this in court, although the bluff has always worked.

```
--
C. Harald Koch  VE3TLA                Alias Research, Inc., Toronto ON Canada
chk%alias@csri.utoronto.ca      chk@gpu.utcs.toronto.edu      chk@chk.mef.org
"I think you curdled my Pepsi!"-Gerry Smit, in response to sickening cuteness
```

From -1131873168651302807
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64ebb1df5ba2dda2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 11:45:33 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!agate!shelby!msi.umn.edu!cs.umn.edu!uc!nachos.SSESCO.com!elmquist
From: elmquist@nachos.SSESCO.com (Chris Elmquist)
Newsgroups: rec.ham-radio
Subject: Non-acidic RTV
Message-ID: <299@nachos.SSESCO.com>
Date: 7 Jan 91 21:23:48 GMT
References: <07.Jan.91.14:07:15.GMT.#7519@UK.AC.NWL.IA>
Organization: SSESCO Inc., Minneapolis, MN
Lines: 20

In article <07.Jan.91.14:07:15.GMT.#7519@UK.AC.NWL.IA> PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon") writes:

[some stuff about the Comet antenna deleted]

>using 1Kv silver-mica capacitors of higher quality, and slathered the whole
>feedpoint in non-acidic RTV rubber to keep out what passes for weather
              ^^^^^^^^^^^^^^^^^^^^^

Hey! Where can you get this stuff...? seems most all of the RTV available
to the consumer (at your favorite hardware store...) is acidic. Does
anyone have a manufacturer or source for some...?

>   Pete Lucas PJML@UK.AC.NWL.IA G6WBJ@GB7SDN.GBR.EU

73, Chris
--
Chris Elmquist, N0JCF
Internet: elmquist@SSESCO.com
   AMPRN: N0JCF@WB0GDB.MN.USA.NA
 BellNet: (612) 785-3516

From 2025865530905532349
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db033ea4f10f6178,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 11:46:23 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!crdgw1!ge-dab.ge.com!dover!johnson
From: johnson@dover.dab.ge.com (Christopher Johnson)
Newsgroups: rec.ham-radio
Subject: Wanted: Advice for a beginner...
Message-ID: <9641@ge-dab.ge.com>
Date: 7 Jan 91 21:43:02 GMT
Sender: news@ge-dab.ge.com
Distribution: rec.ham-radio
Organization: GE Simulation & Control Systems
Lines: 32
Nntp-Posting-Host: dover.dab.ge.com

Greetings...

I am looking into the requirements for obtaining a ham license of some
sort. I am not familiar with the types of licenses, their priviledges,
and their technical requirements.

Could somebody summarize, or point me to a reference which summarizes:

(1) What types of licenses are available (amateur AND commercial)

(2) For each license, what academic/morse requirements are there
     (opinions about the difficulty of the tests are welcomed)

(3) What are the operating privledges for each license, including
     frequency bands, types of operation (e.g. operation only,
     adjustment and operation of equipment, etc.) and for what type

of equipment is one licensed.

(4) Any other information you think would help...

I have a BS EE so the theory shouldn't be too terrible, and I have no qualms about learning the morse code (of course, I have not tried it yet :-)). I have never dealt with radio, however.

Thanks for any and all advice.

- Christopher Johnson
johnson@ge-dab.ge.com
General Electric
Simulations and Control Systems Department

```
From -1800596443617701294
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 12:03:35 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Message-ID: <653@chiton.ucsd.edu>
Date: 7 Jan 91 21:45:58 GMT
References: <708@ssc.UUCP> <637@chiton.ucsd.edu> <1991Jan4.002853.9051@NCoast.ORG>
<40948@nigel.ee.udel.edu>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 30
```

```
In article <40948@nigel.ee.udel.edu> masters@freezer.it.udel.edu (paul masters)
writes:
>In article <1991Jan4.002853.9051@NCoast.ORG> allbery@ncoast.ORG (Brandon S.
Allbery KB8JRR) writes:
>>As quoted from <637@chiton.ucsd.edu> by rec@chiton.ucsd.edu (Richard Currier):
>>+---------------
>>| deeper into the CW bands on RF and to push CW out entirely. After CW goes...
>                               ^^
>
>It might me kind of neet to see some one do it with out being on RF ;-].
>
>                  Paul

         "I will not say RF when I mean HF"
         "I will not say RF when I mean HF"
         "I will not say RF when I mean HF"
              "
              "
              etc.
```

B-)
B--)
B---)

AA6PN
>   Paul Masters N3IRU (The ham license arived 12/04/90)

--
richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From -7499651455259O3728
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5110fd87bf9ec27d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 12:50:42 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!ucsd!ucbvax!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: APLINK question
Message-ID: <58130010@hpcupt1.cup.hp.com>
Date: 8 Jan 91 20:50:42 GMT
Organization: Hewlett Packard, Cupertino
Lines: 6

I copied some frequencies for APLINK bulletin boards last night off a packet board. I have heard them before, but the question is, how does one log on to these boards and use them?
Tnx es 73's
Jim, WA6SDM
jholly@hpcupt1.cup.hp.com

From 3703842362924894184
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,515303ac6dadd79e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 13:03:27 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Subj: Re: An Outside Viewpoint
Message-ID: <7880404@hpfcdc.HP.COM>
Date: 8 Jan 91 21:03:27 GMT
References: <1991Jan5.010558.18137@NCoast.ORG>
Organization: HP Fort Collins, Co.
Lines: 27

Brandon:

> ...but what happens when there are no more auto mechanics, because
> nobody wants to learn how? ...the U.S. at least is fast headed toward
> a point where we will be dependent on Asia for our technology...

Good point. However, I don't think we'll ever get completely non-technical as a culture, any more than we would fail to have auto mechanics. There will be a niche, a need, for both auto mechanics and (radio) technologists in each "home town". Still, I agree, the trend seems to be away from technical interest and understanding.

Gary:

> What is a bad thing is that our culture is turning away from
> technological play and thus turning away from learning technological
> skills...

Fascinating observation.

> Bringing the the people back to radio toys can have very positive
> results on the competitiveness of our society.

I do this myself in small ways. I make frequent, visible use of my HT and I explain to people what it is. I help people make phone calls through a patch when warranted. I show it to elementary school kids when I visit to do educational scrap parts auctions. Stuff like that.

From 172344981757801549
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,18d0185e6b8b55b2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 13:48:31 PST
Path: gmdzi!unido!mcsun!uunet!bonnie.concordia.ca!thunder.mcrcim.mcgill.edu!
snorkelwacker.mit.edu!apple!agate!ucbvax!TRIUMFER.BITNET!MULTI
From: MULTI@TRIUMFER.BITNET
Newsgroups: rec.ham-radio
Subject: Wanted: 600 hZ cw filter for Yaesu FT-101
Message-ID: <91Jan7.195902est.57396@ugw.utcs.utoronto.ca>
Date: 7 Jan 91 23:54:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5

Does anyone have a 600 hz cw filter for a Yaesu FT-101 they will sell me?

Y.N. Miles,
VE7-ALQ,
<MULTI.TRIUMFcl.bitnet>

From -8191746425862187907
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c85e50a2a1f89a6d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 14:11:57 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!att!pacbell.com!ucsd!nosc!crash!rip@crash.cts.com
From: rip@crash.cts.com (KC Van Winkle)
Newsgroups: rec.ham-radio
Subject: Transformer/Appolo 100-2 Linear
Message-ID: <6772@crash.cts.com>
Date: 8 Jan 91 00:10:54 GMT
Sender: root@crash.cts.com
Organization: Crash TimeSharing, El Cajon, CA
Lines: 31

I picked up an old Appolo 6/10/15 meter linear, not know weather it worked or not, but ir was cheap, so I wasn't worried about it.

I got it into my radio room for a disection, and there have been hands in there before mine for sure, it appears to have been retrofitted with a COR, the 10 meter has been disabled (Simply had the contact on the switch removed), and the (now impossible to get a reference on) transformer is a good subsitute for the fine Stanford Mesquite Charcoal.

The transformer is of Motorola decent, and bears the number:

25D65663A03-P, goes on to say 118 V 60 Cy and then gives another number
549-6130

It appears to be a television transformer, and I have no other info on it other than that. The PA itself is a very simple, but effective arrangement of 2 6LQ6's, ala Push Pull.

Hopfully someone can either find a replacement for it, or at least tell me what 2 6LQ6's should draw, and where. I have pinouts of the tubes, and some limited information, including direct ref. replacements.

Here's what I have on the 6LQ6's:
Reference to: 6JE6B 6JE6C 6LV6 6ME6 6MJ6
Plate Dis: 30 Watts, Screen Dis: 5 Watts, Trans Inductance: 9.6K
Filiment/Heater:6.3 Volts at 2.5 amps

Please reply to system@hale.UUCP as I cannot recieve rec.ham-radio there, and have have to go to another system to get it. (Where I am now actually.)

From 1657308041023441316
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,30cbd10fb42291aa,start
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 114aac,30cbd10fb42291aa,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-08 14:17:09 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!apple.com!winter
From: winter@apple.com (Patty Winter)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Apple II ham/SWL software
Message-ID: <47841@apple.Apple.COM>
Date: 8 Jan 91 02:01:09 GMT
Sender: winter@Apple.COM
Organization: Apple Computer Inc, Cupertino, CA
Lines: 100
Xref: gmdzi rec.ham-radio:18919 rec.radio.shortwave:3356

A few days ago, I mentioned in a rec.ham-radio posting that I will no longer be maintaining lists of Macintosh and Apple II ham software, as I've done for the past couple of years.

Since then, I've received several requests for the lists, so I've decided to post them once more for the benefit of netnews newcomers. I hope someone will pick up the ball and update the lists as new programs are released.

Because some of the programs may be of interest to non-hams as well, I'm including r.r.sw on this distribution.

Patty

****

Apple II Amateur Radio Software
List compiled by N6BIS, last updated 1/7/91

The information in this list was obtained mostly from flyers supplied by the software vendors, or in some cases from reviews in QST. Please check with the vendors for the latest product details, pricing, etc.

>>The products in this list are not endorsed by Apple Computer, Inc.<<

PACKET RADIO

APR (Apple Packet Radio)
For use with TNC-2s. Requires a Super Serial card in the computer.
Larry East, W1HUE, P.O. Box 51445, Idaho Falls, ID 83405-1445.
Send a blank 3.5-inch or 5.25-inch Apple II disk and a stamped,
self-addressed disk mailer.

PACHAM
Uses a two-microchip interface instead of a TNC.

DaJu Development Company, 39 Long Ridge Road, Carlisle, MA
01741. $49.95

MORSE CODE PRACTICE

Morse+Plus Morse Code Tutor
EPO Software, 7805 NE 147th Avenue, Vancouver, WA 98682.
$15.95

[The Sept. 7, 1990 _ARRL Letter_ mentioned that the Computer Foundation for Handicapped Children has some Morse code programs for the disabled. Contact them at 2645 East Southern, Tempe, AZ 85282 for details.]

MORSE CODE & RTTY OPERATION

HAM
Sends and receives both Morse code and RTTY.
DaJu Development Company, 39 Long Ridge Road, Carlisle, MA
01741. $49.95

Code Machine
COTEC, 13462 Hammons Ave., Saratoga, CA 95070. $29.95 (discount
if bought in conjunction with another COTEC program)

RTTY Machine
COTEC, 13462 Hammons Ave., Saratoga, CA 95070. $29.95 (discount
if bought in conjunction with another COTEC program)

SATELLITE TRACKING

Apple QuikTrak
AMSAT, PO Box 27, Washington, DC 20044. $25 for AMSAT
members; $35 for non-members

ANTENNA DESIGN

Antenna Design & Dimensions
EPO Software, 7805 NE 147th Avenue, Vancouver, WA 98682.
$9.95

Antenna Trap Designing
Larry East W1HUE, 119-7 Buckland St., Plantsville, CT 06479.
Send blank formatted disk with stamped, self-addressed return
disk mailer.

LOGGING

Electrolog II

EPO Software, 7805 NE 147th Avenue, Vancouver, WA 98682.
$18.95

Contest Log & Dupe Sheet
EPO Software, 7805 NE 147th Avenue, Vancouver, WA 98682.
$13.95

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From -8315128840979788492
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bea51e2edfb7319,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,3bea51e2edfb7319,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-08 14:27:35 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!apple!apple.com!winter
From: winter@apple.com (Patty Winter)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Macintosh ham/SWL software
Message-ID: <47842@apple.Apple.COM>
Date: 8 Jan 91 02:04:22 GMT
Sender: winter@Apple.COM
Organization: Apple Computer Inc, Cupertino, CA
Lines: 203
Xref: gmdzi rec.ham-radio:18920 rec.radio.shortwave:3357

[See my "Apple II ham/SWL software" posting for general comments.]

****
Macintosh Amateur Radio Software
List compiled by N6BIS; last updated 11/24/90

The information in this list was gleaned mostly from flyers supplied by the software vendors, or in some cases from reviews or listings in QST or AMSAT Journal. Please check with the vendors for the latest product details, pricing, etc.

>>The products mentioned here are not endorsed by Apple Computer, Inc.<<

PACKET RADIO

NET/Mac (KA9Q TCP/IP)
Supports AX.25 and NET/ROM as well as TCP/IP functions. Requires a TNC with KISS mode.
     Doug Thom, N6OYU, 1405 Graywood Drive, San Jose, CA 95129.
Send formatted 800K Macintosh disk with stamped, self-addressed return disk mailer. Also available via anonymous FTP from apple.com

(/pub/ham-radio) and platypus.uofs.edu (/pub/HAM-RADIO); on the Digikron Systems BBS at (408) 253-1309; the WB3FFV BBS at (301) 625-0817, 625-9482, and 625-9663; and the N8EMR BBS at (614) 895-2553 (or via AMPR.NET FTP at 44.70.0.1).

The KA9Q package is copyrighted, but free for noncommercial use.

MacRatt with FAX
Terminal program for use with AEA's PK-232 multimode controller. Supports packet, CW, RTTY, AMTOR, and facsimile. Includes computer-to-TNC cable.

Advanced Electronic Applications (AEA), PO Box C-2160,
Lynnwood, WA 98036. $59.95

MORSE CODE PRACTICE

N6MZV Morse Trainer
RT Martin, N6MZV, 10382 Orange Avenue, Cupertino, CA 95014.
Also available via anonymous FTP from apple.com (/pub/ham-radio).
$25.00

Morse Tutor
Jack Brindle WA4FIB, Brincomm Technology, 3155 Resin Street,
Marietta, GA 30066. Send formatted 800K Macintosh disk with stamped, self-addressed return disk mailer. The program is copyright, but free for noncommercial use.

MacMorse
David A. Kall, 700 Marine Parkway #314, New Port Richey, Florida
34652. $29.95

Zihua Morse
Zihua, P.O. Box 51601, Pacific Grove, CA 93950. $39.95 without speech synthesis; $65 with speech synthesis.

RTTY

MacTTY
Summit Concepts, Suite 102-190, 1840 41st Ave., Capitola, CA 95010.
$39.95

LOGGING

LOGic
Personal Database Applications, 2634 Meadow Bend Court, Duluth,
GA 30136. $75.00

FDLog!
System One Control, 3900 85th Ave N, Suite 200, Brooklyn Park, MN
55443. $29.95

SATELLITE TRACKING

QuikMac
AMSAT, PO Box 27, Washington, DC 20044. $40 for AMSAT
members; $50 for non-members. Requires Microsoft BASIC.

Satellite Orbit Prediction Program
Macintosh conversion of W3IWI program.
Earl Skelton, N3ES, 6311 29th Place NW, Washington, DC 20015.
Send formatted 800K Macintosh disk with stamped, self-addressed
return disk mailer; or send SASE for source listing. Requires
Microsoft BASIC.

MacSat
BEK Developers, 1732 74th Circle NE, St. Petersburg, FL 33702.
$10.00

MacSat 3.0
Geodetic Research Services Ltd., P.O. Box 3643, Station B, Fredericton,
N.B. E3A 5L7, Canada.
$50.00 (add $10.00 for airmail postage and handling)

Satellite Helper
MacTrak Software, PO Box 1590, Port Orchard, WA 98366. $59.95

Satellite Pro
MacTrak Software, PO Box 1590, Port Orchard, WA 98366. $99.95

PROPAGATION, GRAY LINE, DX HEADINGS

DX Window
Creates on screen an azimuthal equidistant projection (great circle)
world map centered on your QTH, with day/night terminator.
Engineering Systems, Inc., PO Box 939, Vienna, VA 22183. $39.95

Skycom 1.1
Enter solar flux and get propagation predictions to desired areas of the
world.
Engineering Systems, Inc., PO Box 939, Vienna, VA 22183. $39.95
($59.95 with Skycom 1.5)

Skycom 1.5
Provides sunlight status at both ends of the path; MUF, F0F2, and FOT
frequencies; S/N ratio of the link, and other information.
Engineering Systems, Inc., PO Box 939, Vienna, VA 22183. $39.95
($59.95 with Skycom 1.1)

DX Helper
MacTrak Software, PO Box 1590, Port Orchard, WA 98336. $34.95

Sun Clock

Desk accessory. Displays a map of the world with day and night areas.

MLT Software, PO Box 98041, 6325 SW Capitol Highway, Portland, OR 97201. $17.00

RADIO CONTROL

ICOM IC-735 Control
KE6FG Software, 9763 Pali Ave., Tujunga, CA 91042. $49.95

TEST PREPARATION

Ham Stacks
HyperCard stacks containing all of the questions in the current question pool for each license class.

Diana Syriac N1GZS, 49A Meadow Pond Drive, Leominster, MA 01453. Send two formatted 800K Macintosh disks with stamped, self-addressed return disk mailer. Also available via anonymous FTP from the pub/ham-radio directories on apple.com and platypus.uofs.edu.

COLLECTIONS AND MISCELLANY

MacNet
Public-domain programs (currently on nine disks) contributed by Macintosh packet users. Includes test preparation, contest logging, propagation prediction, satellite tracking, and amateur television.

John D. Seney, KB1HE, 144 Pepperidge Dr., Manchester, NH 03103. Send formatted 800K Macintosh disks with stamped, self-addressed return disk mailer. Contributions of public-domain programs encouraged.

"Project Mac"
Contest logging, antenna design, satellite tracking, clip art, etc. Microsoft BASIC required for many (but not all) of the programs.

Stan Horzepa WA1LOU, 75 Kreger Drive, Wolcott, CT 06716. Send three formatted 800K Macintosh disks with stamped, self-addressed return disk mailer.

"Amateur Radio Software for Macintosh"
Extensive catalog including logging, Morse code, Novice, gray-line, satellite tracking, contesting, packet, and CW programs.

ZCo Corporation, PO Box 3720, Nashua, NH 03061.

Amateur Radio #1
Contains satellite tracking, Morse code practice, Ohm's law calculator, and pad design programs.

Kinetic Designs, PO Box 1646, Orange Park, FL 32067. $4.00

Red Ryder 9.4
Terminal emulation program, suitable for packet radio.

Kinetic Designs, PO Box 1646, Orange Park, FL 32067. $4.00

MacScience BBS
Various ham-related applications, including antenna design,
propagation, WEFAX, packet, and Morse code. (408) 866-4933.

Digikron Systems BBS
Various ham-related applications, including logging, propagation,
Morse code, and packet. (408) 253-1309.

WB3FFV BBS
Various ham-related software, including packet, contesting, and Morse
code applications. (301) 625-0817, 625-9482, and 625-9663.

N8EMR BBS
Various ham-related files, including packet, Morse code, DXing, and
contesting software; AMSAT bulletins; and several ham newsletters.
(614) 895-2553. Also available on AMPR.NET at 44.70.0.1.

--end--

```
From 5768533452084840321
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29b4a11527361cbc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-08 14:58:28 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!isi.edu!
venera.isi.edu!onder
From: onder@ISI.EDU (Bruce Onder)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <16275@venera.isi.edu>
Date: 8 Jan 91 01:26:31 GMT
References: <1991Jan6.204033.19970@informix.com> <41aFV2w163w@phoenix.com>
Sender: news@isi.edu
Organization: USC-ISI
Lines: 42
Xref: gmdzi rec.radio.shortwave:3358 rec.ham-radio:18921
In-reply-to: stanley@phoenix.com's message of 7 Jan 91 21:32:38 GMT
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```
In article <41aFV2w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:

>randall@informix.com (Randall Rhea) writes:
>
>> In article <1781@sun13.scri.fsu.edu> murray@sun13.scri.fsu.edu (John Murray)
>> >
>> >Hey, I wouldn't trust some of RS's glorified stock boys to look up their
>> >own phone number!
>> >
>>
>> Having worked for Radio Shack for six years (1979-1984), I would like to
>> comment this statement.
>>
>> My personal experience is that RS salespeople are more
>> knowledgeable about their products than those at K-Mart, Sears, Wards,
>> Target, etc.
>
> I have never had a K-Mart, Sears, etc, salesperson refuse to make a
>cash sale to me. I HAVE had Radio Shack people refuse CASH. Why? Because
>I wouldn't give them my name and address. No, cash being waved in their
>face is NOT sufficient to buy something from Radio Shack.
>
>> RS's policy on refunds and warranties is also quite
>> beneficial to the customer, particularly if you complain to the district
>> manager.  RS will bend over backwards if you yell loud enough.
>
> I complain VERY loudly whenever they refuse to accept a cash
>transaction. Has anything changed? Ha!

I assume this is for their flyer mailing list?  Make something up.
Usually, it's easier to work around a problem than bash your head
against it.

The Ultimate is to give them a name and/or address with a
double-entendre or reads something else backwards, but they don't
catch on till your out the door. :)

Brewster
--
Bruce W. Onder         onder@isi.edu

"Welcome to hell -- here's your accordion."


From -8820422769135925378
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6569e351a5eb59a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 15:29:25 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hp-pcd!hplsla!bobc
From: bobc@hplsla.HP.COM (Bob Cutler)
Newsgroups: rec.ham-radio
Subject: Re: Cushcraft R5
Message-ID: <5720092@hplsla.HP.COM>
Date: 8 Jan 91 23:29:25 GMT
References: <E15ED8622B7F00665F@ROSEVC.Rose-Hulman.Edu>
Organization: HP Lake Stevens, WA
Lines: 21

>/ hplsla:rec.ham-radio / MOSIER@UNCG.BITNET (Steve Mosier) /  6:14 am  Jan  8,
1991 /
>I've seen many articles here over the past 6 months on the R5, including this
>week's comments.  Off the list, though, I hear a lot of people say, "Get a
>Butternut vertical and you'll have 80 and 40 as well."  Can anyone offer a
```

>comparison of the Cushcraft and Butternut verticals?
>
>73 de W3GRG - steve
>----------

I don't have experience with the Butternut vertical, but I do know that it's not a 1/2 wave vertical. The advantage of the R-5 is that, being a 1/2 antenna, it doesn't require a ground plan to be effective. This allows the antenna to be mounted, without radials, at almost any height without significant effects on performance. Mine is mounted 25' off the ground at the edge of our roof. It works great. The night that I put the antenna together I mounted it on a step ladder (about 5') and worked DX on 20m. It's an expensive antenna. But considering the ease of installation, it's worth every penny.

Bob Cutler
KE7ZJ

From -4171964769166795922
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dec5d19d9ee81890,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,dec5d19d9ee81890,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 105d97,dec5d19d9ee81890,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-01-08 15:41:59 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!wuarchive!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio,sci.electronics,rec.radio.shortwave
Subject: LLWAS Info needed (windshear alert system)
Keywords: LLWAS
Message-ID: <4414@radio.oakhill.UUCP>
Date: 8 Jan 91 04:29:05 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 14
Xref: gmdzi rec.ham-radio:18923 sci.electronics:10628 rec.radio.shortwave:3362

I am looking for documentation/manufacturer/prime contractor on the LLWAS system. That stands for Low-level Windshear Alert System. LLWAS data towers are located in a giant ring around selected airports (here in Austin for example). The LLWAS towers time share 162.325 MHz and transmit low speed digital telemetry to the airport tower (or somewhere!).

A simple DSP modem could decode this stuff easily...I just need to know the modulation format and more importantly the DATA format. Any info would be appreciated!

-Charlie Thompson
WB4HVD

From 7536345134701536557
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c57d171c2b98ddee,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 15:42:14 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio
Subject: Re: ICOM-R1
Message-ID: <4417@radio.oakhill.UUCP>
Date: 8 Jan 91 04:37:37 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 18
Posted: Mon Jan 7 22:37:37 1991

The e-mail bounced...to the person asking about the ICOM R1:

An active antenna for HF is recommended. The R1 gets overloaded pretty easily and an active antenna/preselector is recommended to help reject unwanted strong signals. There is a manual available in FTP form from somehwere but I don't remember where.

I have listened to aircraft beacons in the 200-400KHz range using the R1 and an active VLF whip I designed. Beware of strong AM stations overloading in this range however. Also gets overloaded on adjacent channel VHF/UHF signals...like the IF is too wide or something.

-Charlie WB4HVD

p.s. what US $ price did you get?

From -661318300829604246
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 15:59:47 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <1991Jan8.053536.11635@athena.cs.uga.edu>
Date: 8 Jan 91 05:35:36 GMT
References: <19917.799.7009@canrem.uucp>
Organization: University of Georgia, Athens
Lines: 17

I, too, would like to encourage homebrewing. (The CW debate convinced me that ham radio has *already* turned into CB, i.e., near 100% appliance operation, with Morse code rather than technical knowledge as the hams' claim to fame!)

I'm thinking about a simple 2m FM transmitter, very low power. I know that 0.06 watt is sufficient to work the local repeater. Also, many new hams already have scanners to listen with... the transmitter can't be too hard.

Not having tried much VHF homebrewing yet, I may be in for some surprises, but it seems to me that because of miniaturization, it's probably no harder to work at 145 MHz today than to work at 20 MHz using older homebrewing techniques (tubes and metal chassis).

Maybe we could at least have some kind of contest or rally, analogous to Field Day, for homebrew equipment only.

From 3030600994385331086
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,35b38a59614c1795
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 16:18:34 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!amdahl!netcom!edg
From: edg@netcom.UUCP (Edward Greenberg)
Newsgroups: rec.ham-radio
Subject: Re: W5YI Report - transcript of FCC hearing
Message-ID: <20258@netcom.UUCP>
Date: 8 Jan 91 05:51:35 GMT
References: <1991Jan5.193407.514@bellcore.bellcore.com>
Organization: Netcom- The Bay Area's Public Access Unix System {408 241-9760 guest}
Lines: 9

Quoting the W5YI report as posted from CompuServe Hamnet:
>It was the Quarter Century Wireless Association that suggested simply
>eliminating the code from the Technician Class to arrive at a 30-MHz

And whom are we calling old farts?
--
Ed Greenberg   WB2GOH/6
edg@netcom   {amdahl | amdcad | apple}!netcom!edg
CompuServe: 76703,1070   Packet Radio: WB2GOH @ N6LDL.CA.USA.NA

From -4776327920162658717
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,35b38a59614c1795
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 16:25:29 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!thumper!karn
From: karn@thumper..bellcore.com (Phil R. Karn)

Newsgroups: rec.ham-radio
Subject: Re: W5YI Report - transcript of FCC hearing
Message-ID: <1991Jan8.072213.12906@bellcore.bellcore.com>
Date: 8 Jan 91 07:22:13 GMT
References: <1991Jan5.193407.514@bellcore.bellcore.com> <20258@netcom.UUCP>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 17

In article <20258@netcom.UUCP> edg@netcom.UUCP (Edward Greenberg) writes:
>Quoting the W5YI report as posted from CompuServe Hamnet:
>>It was the Quarter Century Wireless Association that suggested simply
>>eliminating the code from the Technician Class to arrive at a 30-MHz
>
>And whom are we calling old farts?

Indeed. The League was right when they said that the FCC apparently relied heavily on the QCWA's comments in drafting the Report and Order.

I read the QCWA's comments too. They didn't say all that much that wasn't also said by most of the other pro-no-code commenters. But I think the FCC didn't choose them at random when the question came up of which comments to feature prominently in the R&O. A good choice.

Phil

From -4311969601586638944
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f4f5c26c7e724f5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 16:26:05 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!julius.cs.uiuc.edu!apple!bionet!hayes.ims.alaska.edu!acad2.anc.alaska.edu!atjmw
From: atjmw@acad2.anc.alaska.edu
Newsgroups: rec.ham-radio
Subject: news
Message-ID: <1991Jan7.223343.1@acad2.anc.alaska.edu>
Date: 8 Jan 91 02:33:43 GMT
Sender: usenet@ims.alaska.edu (J Random USENET)
Organization: University of Alaska
Lines: 6
Nntp-Posting-Host: acad2.alaska.edu

I am intrepedIy trying to develop a VHF/UHF antenna for my scanner. After initially devising a plan for a Log-Periodic Dipole, I became discouraged with the number of elements and size of the array. I am considering taking several verticle antennas set for various frequencies and feeding them with one coaxial cable. How would one go about feeding several VHF/UHF anteas? Can anyone make a guess on the antenna impedence? Thanks. -Atjmw3@alaska-

```
From 1390846705100084860
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,190ffb7ee4c3a4ca
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 16:32:55 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!root
From: root@n8emr.UUCP (Root)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1981@n8emr.UUCP>
Date: 8 Jan 91 05:15:43 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 60

From n8emr!N1API Mon Jan  7 14:10:16 1991
Return-Path: <n8emr!N1API>
Message-Id: <m0it0fr-0000nMC@n8emr.uucp>
[Date: Mon, 7 Jan 91 12:36 EST
[To: <ALL@ARRL>
R:910107/1644z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:279 Z:43232
R:910107/1550z @:W8CQK Columbus, OH #:9451 Z:43229
R:910107/1012 @:WB8BII.OH.USA.NA Cuyahoga Falls, OH #:17440 Z:44223
R:910107/1415z @:KA8Z.OH.USA Canton, Oh. #:41719 Z:44705
R:910107/0831 @:WB8LVP.OH.USA.NA Poland, OH   #:841 Z:44514
R:910107/0827 @:KA3SSC.PA.USA.NA Karns City,Pa. #:1229 Z:16041
R:910107/1130z @:KA3NVP.#WPA.PA.USA.NA $:36780_N1API #:621
R:910107/1007z @:W3KDC.MD.USA.NA Cresaptown #:708
R:910107/0645z @:WB4D.VA.USA.NA #:725
R:910107/0513z @:KA3T.MD.USA.NA Mt. Airy #:1156
R:910107/0452z 16693@N4QQ.MD.USA [Silver Spring,Md]  Z:20901
R:910107/0452z @:N2GTE.MD.USA.NOAM Ft Meade #:42744 Z:20755
R:910107/0436z 31089@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]
R:910107/0410z 34993@WA4ONG.VA.USA.NA [Richmond, VA] Z:23233
R:910106/2059r 36080@WB0TAX.VA.USA.NOAM [Hampton] Z:23666
R:910106/2352z 7312@WD4MIZ.VA.USA.NOAM [Virginia Beach, Va.] Z:23452
R:910106/2358 @:KJ4LQ.VA.USA.NA Norfolk/Chesapeake #:753 Z:23320
R:910105/1350z @:WD4PPF.#BLTAL.AL.USA.NA #:950
R:910105/1337 @:WD4AGG.#ODVAL.AL.USA.NA Odenville #:10210 Z:35120
R:910105/1218z @:W4CUE.#BHMAL.AL.USA.NA Birmingham,AL #:56135 O:N1API
R:910105/1135z @:KB4OWD.#JAXFL.FL.USA.NA Jacksonville, FL O:N1API #:28428
R:900105/0744z @:K4DPZ.#GNVFL.FL.USA.NA #:7867
R:910105/0746z @:K4OZS.#OCFFL.FL.USA.NA Ocala #:24639 Z:32674
R:910105/0645z @:K4GBB.#CITFL.FL.USA.NA Cedar Cove #:1568 Z:32630
R:910104/2358 @:K4CY.#HER.FL.USA.NA Brooksville #:7720 Z:34613
R:910104/2322z @:N4DWY.#TPAFL.FL.USA.NA BAYONET PT Z:34667 #:456
R:910104/2305 @:W4DPH.FL.USA.NA Clearwater #:1278 Z:34623
R:910104/2220z @:W2TKU.#SRQFL.FL.USA.NA Sarasota #:4096 Z:34321
R:910104/1836z @:WA4EAA.#BVOFL.FL.USA.NA Avon Park #:1378 O:N1API
R:910104/1758z @:KB4VOL.#WPBFL.FL.USA.NA Hobe Sound #:30629 Z:33455
R:910104/1742z @:N4JOA.#WPBFL.FL.USA.NA Boynton Beach #:18057 Z:33426
R:910104/1725z @:KC4MCQ.#WPBFL.FL.USA.NOAM West Palm Bch, FL #:7).58Z:33415
```

R:910104/1307 @:WA1IIE.ME.USA.NA Vassalboro,ME #:21410 Z:04989
R:910104/1018 @:K1RQG.ME.USA.NA BUCKSPORT #:19650 Z:04416
R:910104/0506 @:K1UGM.MA.USA.NA Wakefield #:1220 Z:01880
R:910104/0452 @:WB1DSW.NH.USA.NA East Kingston NH #:28158 Z:03827
R:910104/0022z @:W1NY.#WMA.MA.USA.NA Springfield #:55758 O:N1API Z:01109
R:910103/0216z 36780@N1API.CT.USA.NA Meriden, Ct. Z:06450

From: N1API@N1API.CT.USA.NA
To: ALL@ARL

ZCZC AG66
QST DE W1AW
ARRL BULLETIN 1 ARLB001
FROM ARRL HEADQUARTERS
NEWINGTON CT JANUARY 2, 1991
TO ALL RADIO AMATEURS

ON DECEMBER 19TH, 1990, FCC GRANTED AN ARRL REQUEST FOR EXTENSION OF THE SPECIAL TEMPORARY AUTHORITY, 7230-J, WHICH ALLOWS SPECIFIC AMATEUR STATIONS TO USE AUTOMATIC CONTROL WHEN TRANSMITTING CERTAIN DIGITAL COMMUNICATIONS BELOW 29.7 MHZ. THE FCC EXTENSION OF THE STA IS ONE YEAR.
NNNN

From -5801755213684602530
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,878d51176687c502
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 16:33:22 PST
Path: gmdzi!unido!mcsun!uunet!bonnie.concordia.ca!news-server.csri.toronto.edu!rutgers!ka2qhd!johnd
From: johnd@ka2qhd.UUCP (John Decatur KA2QHD)
Newsgroups: rec.ham-radio
Subject: Re: PROBLEM WITH ICOM RADIO
Summary: RE: Icom
Message-ID: <397@ka2qhd.UUCP>
Date: 8 Jan 91 05:32:05 GMT
References: <881.277DD740@w8grt.fidonet.org>
<1991Jan1.002548.19045@mozart.amd.com>
Organization: KA2QHD - OCEAN NJ
Lines: 26

Icom's been pretty responsive to me, I've forwarded the article to Bill, and got this reply, as usual, he's interested in fixing icom problems. If you drop him a line or call, I think he'll take care of it. you can see his compuserve id, or ka2qhd!icom will route thataway too.
good luck.... de ka2qhd
Yea maybe i should email this,but i thought y'all'd be interested.

Date: 07 Jan 91 12:27:33 EST

From: Bill Everett K7RIE <rutgers!compuserve.com!76702.753>
Subject: Message from Internet
Message-Id: <"910107172733 76702.753 EHB42-2"@CompuServe.COM>

John,
If I'm going to help your friend with his 3210 problem I need to have his name, the serial number of the radio, and the two tag numbers from when it was in here for service.

I can then look the radio up to see what we did. In the long run the end result will probably be the same however. he will probably have to send the radio in for service again. If he does elect to send it back for the third time it is important to tell us in the note that describes the problem that we have had the radio 2 other times and include the tag numbers in the note as well.
Bill K7RIE

From 2705569144720155960
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ccd94040315cfee1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 17:54:13 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Radio Shack Bashing
Message-ID: <1250323@hpnmdla.HP.COM>
Date: 9 Jan 91 01:54:13 GMT
References: <1991Jan6.204033.19970@informix.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 16

In rec.ham-radio, onder@ISI.EDU (Bruce Onder) writes:

>> I complain VERY loudly whenever they refuse to accept a cash
>>transaction. Has anything changed? Ha!

>I assume this is for their flyer mailing list? Make something up.
>Usually, it's easier to work around a problem than bash your head
>against it.

One I have used in the past is:

Hiram Maxim
225 Main St.
Newington, CT 06111

AL N1AL

From -2425580819337752588

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85d9209861665035,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 18:00:51 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Is a passive reflector ever a "transmitter"?
Message-ID: <1250324@hpnmdla.HP.COM>
Date: 9 Jan 91 02:00:51 GMT
References: <1894@starfish.Convergent.COM>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 23

In rec.ham-radio, irving@starfish.Convergent.COM (Don Irving) writes:

>My brothers and I have been wondering about a way for us to communicate
>simplex (sort of) on VHF or UHF. They live in Marin County shielded from
>the Bay by hills. I live in San Jose. They have access to a hill-top
>...
>But what about this? What if we put a beam on the hill pointed to a beam on
>their house, then ran a length of coax to another beam on the hill pointing
>toward San Jose. The connected beams on the hill collect and re-radiate (to
>some degree) the signals between us. I have yet to drag out the Handbook and
>try to figure whether such a system would really accomplish anything in terms
>of significant re-radiation, but it seems at first glance that there might be
>a fair amount given the proximity of their house to the hill.

I went through the path loss calculations a few years ago, and, to my surprise, discovered that this can actually work, under the right conditions.

I would think that any kind of passive reflector/reradiator would be perfectly legal. You could even do it for a commercial broadcast TV/FM signal. A friend of mine did this, but he added a preamp between the two antennas. Seems to me this would not be legit.

AL N1AL

From 2157280181765685923
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e5924f71e44708a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 19:22:51 PST
Path: gmdzi!unido!mcsun!uunet!wang!tosspot!lee
From: lee@tosspot (Lee Reynolds)
Newsgroups: rec.ham-radio
Subject: Control program for NRD-525 wanted!
Keywords: Computer Interface NRD NRD-525 JRC Wanted
Message-ID: <swLHV1w163w@tosspot>
Date: 9 Jan 91 03:22:51 GMT
Organization: Ludus Associates Incorporated

Lines: 24

Hi all.

I am looking for a program (MSDOS based) to permit computer control of my NRD-525. I have two at present which I am playing with - Spectrum 525 and NRDGUI.EXE (which I got from Hamnet on CI$). Does anyone have any observations on the above two programs? (Particularly on NRDGUI which has now documentation whatsoever.)

Anyone have any first hand experience of these or any other programs either free, shareware or commercial?

I use Communications Manager on my Icom R-7000 and, ideally, the program for my 525 would offer similar features; scanning, memory management, the ability to produce graphic displays of frquency utilization.....

(Communications Manager, by the way, is a very good package!)

Please Email me directly if possible (this way there's less chance of my missing a message) and I will happily summarize for the group.

Thanks,
Lee

From -4124992216369125509
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8c97c4573fc472f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 19:47:57 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!bu.edu!att!pacbell.com!ucsd!ucbvax!XEROX.COM!Hugh_E._Wells.El_Segundo
From: Hugh_E._Wells.El_Segundo@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Please help me locate N4WMT
Message-ID: <".8-Jan-91..8:27:53.PST".*.Hugh_E._Wells.El_Segundo@Xerox.com>
Date: 8 Jan 91 16:27:53 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16

I'm in need of the U.S. Mail address for William Young, N4WMT. My E-mail bounces and I do not have access to a current call book.

If you have or know the U.S. mail address for N4WMT, please pass it along to me. Your assistance will certainly be appreciated.

Thanks for your help!

Hugh Wells
W6WTU

1411 18th St
Manhattan Beach, CA 90266

From -333127797911947108
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8967cbcb8132cdcf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 19:49:39 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!
TP1.PRIME.COM!fredrik
From: fredrik@TP1.PRIME.COM (Bruce Frederick)
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9101081624.AA00684@tp1.>
Date: 8 Jan 91 16:24:26 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1

subscribe

From 279541585282267581
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15f24baaed0fb4cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 19:50:44 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!elroy.jpl.nasa.gov!ncar!
asuvax!stjhmc!p0.f131.n321.z1.fidonet.org!Gary.Reardon
From: Gary.Reardon@p0.f131.n321.z1.fidonet.org (Gary Reardon)
Newsgroups: rec.ham-radio
Subject: AutoPatch Phone Bills
Message-ID: <34335.278959F8@stjhmc.fidonet.org>
Date: 8 Jan 91 05:16:45 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:321/131.0 - Quaboag Valley, Ware MA
Lines: 44

In a message of <Jan 04 20:04> "LWRCLMR" (1:114/15@fidonet) writes:

 " >I seem to recall discussion here before regarding phone rates for
 " >ham
 " >autopatches/repeater control. We recently had a problem where
 " >our phone line
 " >of the past six years was disconnected due to a mix-up when we
 " >changed mailing
 " >addresses. Now the phone company insists we have a business line

" >for our
" >repeater instead of the residential line we had for the past six
" >years. When
" >we griped, they said we were lucky they didn't charge us back
" >fees for having
" >the wrong service. To keep the fees down to the cheapest line
" >available, we
" >had to get measured service where we pay 8.2 cents per call and
" >17.50 line
" >charge per month. We also have to pay $4.00 to NOT have a Yellow
" >Pages
" >listing! We also have a rotary line to save $4 per month.
" >Our service is through Michigan Bell, and Ameritech Company, so
" >it's not one of
" >those fly-by-night outfits.

I don't have specifics available, but understand this was beaten in a few
different areas. The arguement was since business communications was
prohibited by federal law, how could they justify charging business rates.
I'd try the manager of the telco business office first, if that falls file a
clain with the public utilities commision. You may want contact the ARRL
counsel, they probaly can supply some information in this area.

GMR

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!321!131.0!Gary.Reardon
Internet: Gary.Reardon@p0.f131.n321.z1.fidonet.org

From -2394168803600588623
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e815f8d5dd6d7024
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 19:51:24 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!pa.dec.com!shlump.nac.dec.com!utrtsc.dec.com!
beyer
From: beyer@utrtsc.dec.com (Peter Beyer)
Newsgroups: rec.ham-radio
Subject: Re: 3CX800 amp(s)
Message-ID: <18765@shlump.nac.dec.com>
Date: 8 Jan 91 14:30:30 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 23

In article <1934@ke4zv.UUCP>, gary@ke4zv.UUCP (Gary Coffman) writes...

>The great advantage of this approach, from Eimac's point of view, is that
>it sells a lot of tubes. Modern power tetrodes can't tolerate even momentary
>excess screen current. Some method of near instantly opening the screen
>circuit is essential to the survival of these tubes.

Don't agree with that.... First of all, grounding the Screen and putting the Cathode on a negative voltage is just a way to eliminate the Screen bypass-capacitor hence creating a stable environment. Second, never ever let the screen or any elctrode in the tube get floating. It's a way of asking for flashovers!

Grouding the Screen is used by Collins many years ago in their amplifiers already. I'am running an EME amp using this method with no problems, even when I deliberate let it flashover, the tube survives...

```
Peter Beyer - PA3AEF        DEC Easynet:  utrtsc::beyer
Digital Equipment bv        UUCP:         {decvax,ucbvax,allegra}!
Holland                Internet: decwrl!utrtsc.dec.com!beyer
                            beyer@utrtsc.dec.com
                            beyer%utrtsc.dec@decwrl.dec.com
```

```
From 7284267946797594487
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0e9009775b4858f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 19:55:14 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: SOLAR TERRESTRIAL FORECAST AND REVIEW
Message-ID: <910108005316.25a0055c@HG.ULeth.CA>
Date: 8 Jan 91 07:53:16 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 470
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Please Note:

There have been a few minor changes to the reports which are worth noting. The "Graphical Analysis of Recent Geomagnetic Activity" which charted geomagnetic activity for Boulder Colorado, has been replaced with data which now represents planetary (global) geomagnetic activity. This chart will therefore better represent overall geomagnetic activity. As well, the data in this chart now follows UT time, which should make interpretation easier.

The Solar Terrestrial Forecast and Review for December 30 was not posted. Local computer problems were the cause. Things appear to be back in order now. We apologize for the delays in getting this report out. We are now back on schedule.

/\

--- SOLAR TERRESTRIAL FORECAST AND REVIEW ---

January 06 to January 15, 1991

Report Based In-Part from Data Obtained from the
Space Environment Services Center
Boulder Colorado

SOLAR TERRESTRIAL REVIEW FOR 30 DECEMBER TO 05 JANUARY.

A Stratospheric Warming Alert has been issued by the Space Environment Services Center since 03 January. Stratospheric warming has been observed over North America, and has been spreading over the Atlantic since then. The most recent observations (as of 07 January) indicate that the stratospheric warming exists from the U.S. and eastern Canada across the Atlantic over to Europe. The area is continuing to spread northeastwards. The alert is expected to remain in effect for at least the next five to seven days.

Solar activity over the past week has been mostly low. No significant solar events occurred. The most notable events were the disappearances of several minor filaments. The solar flux declined from an unexpectedly low value of 196 on 30 January to 173 on 03 and 04 January. The 10.7 cm solar flux began climbing on 05 January as the more active solar longitudes have begun to return. The background x-ray flux is also expected to return to near C-class levels between 06 January and 09 January.

Special late note: The background X-ray flux has exploded well above C-class levels on 06 and 07 January due to the rapid development of Region 6442 (S11W45). This region has grown steadily in size and spot numbers for several days now. Recently, however, signs of an emerging delta configuration have been observed in the trailer spot complex of this system. If growth continues, a major energetic flare may occur from this region. It has, so far, failed to produce any significant flaring. M-class flaring is expected to begin anytime from this region.

Geomagnetic activity became unsettled to active early in the week. There were no reports of magnetic storming, however. The Peak K-index achieved during the week occurred between 12 UT and 15 UT on 31 December. Most locations reached a K-index of four during this period. Recurrent coronal activity is believed responsible for those days of unsettled to active conditions.

Auroral activity remained mostly dormant throughout the week. The exceptions were 31 December and 03 January. Activity during these days approached moderate levels over northerly-middle and high latitudes. However, no significant periods of activity were reported.

HF radio propagation conditions remained normal throughout the period, excluding the period of enhanced geomagnetic and auroral activity on 31 December and 03 January. Conditions on these days became degraded. Signal flutter and fading caused signal problems over many paths. However, communication was still possible despite the degraded conditions.

VHF conditions remained normal throughout the week. No periods of enhanced SID-related conditions were experienced. As well, no reports of auroral-backscatter were received throughout the period.

SHORT TERM SOLAR TERRESTRIAL FORECAST

Solar activity will increase over the coming two weeks as old Regions 6415 and 6412 return. Region 6415 was responsible for 7 M-class flares on it's last transit. Region 6412 was responsible for a flurry of powerful events just prior to it's passage beyond the west limb. It spawned two respectable X-class flares on 23 and 24 December and maintained notable optical and magnetic complexity.

Latest observations indicate that Region 6415 returned to the east-limb on 07 January. It has spawned only a few subflares, but is still too close to the limb to discern significant detail. It presently consists of two spots, but is already the largest region visible, covering an area of 1,080 million square kilometers. More spots will undoubtably become visible as this region rotates more into view.

The solar flux jumped dramatically over the last 24 hours, from 184 to 204 on 07 January. This increase is due (at least in part) to the rapid development and radiational output of Region 6442. The return of old Region 6415 is also believed responsible for the 20-point increase in the 10.7 cm radio solar flux.

The solar flux is expected to continue to rise for about the next 48 hours to values near 220. It should then begin to level off and begin a slight decline as Region 6442 passes beyond the west limb near 10/11 January. If Region 6412 also returns in an active configuration, the solar flux may exceed 230 (particularly if Region 6442 becomes more potent over the next 48 to 72 hours).

Region 6442 may become capable of producing a major flare over the next 24 to 48 hours, provided growth continues and the weak delta configuration intensifies in the trailer spot group of this region. A potential major flare alert may soon be issued, if conditions in this region become enhanced.

HF radio propagation conditions are becoming enhanced due to the increased x-ray background flux levels and rising solar flux values. MUF's have increased over the past 48 hours and are expected to rise a bit further before levelling off by near 09 January. MUF's will exceed 30 MHz over many paths and may approach 40 MHz by weeks end. If M-class flaring begins (as is anticipated), SID's and SWF's may begin to periodically degrade HF propagation conditions. Conditions may deteriorate somewhat on 09 and 10 January due to expected increases in geomagnetic and auroral activity. Conditions should improve again by 13 or 14 January.

VHF propagation will remain normal, with an increased possibility for flare-related SID enhancements. Barring any significant solar activity, there are not expected to be any significant opportunities for auroral backscatter. Best chances will occur between 09 January and 12 January. There is a possibility that the MUF may reach 50 MHz over some paths, particularly over lower-latitudes. This may permit some limited opportunities for DX on 6 meters. Presently, however, it appears as though MUF's will remain confined to frequencies mostly below 45 MHz.

SUMMARY OF ALL ACTIVE REGIONS VISIBLE ON THE SOLAR DISK AS OF 07 JANUARY

Region #	Location	LO	Area	Class	LL	Spots	Magnetic Type
6427	S09W87	187	0390	CAO	06	005	BETA
6429	S24W76	176	0030	BXO	04	004	BETA
6431	N09W50	150	0210	CSO	04	006	BETA
6432	S10W67	167	0330	DAO	10	006	BETA
6435	S24W73	173	0030	BXO	04	004	BETA
6437	S18E03	097	0060	BXO	06	006	BETA
6438	S11E23	077	0090	HSX	01	001	ALPHA
6440	S05W60	160	0150	CRO	05	006	BETA
6442	S11W45	145	0600	DAO	06	013	BETA
6444	N13E73	027	1060	HKX	03	002	ALPHA
6445	S16W17	117	0000	AXX	01	001	ALPHA

NOTES: Area is in million square kilometers. Angular extent (LL) and solar longitude (LO) are in degree's. For more information regarding the terminology used above, request the Glossary of Solar Terrestrial Terms from: "std_oler@hg.uleth.ca".

H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AS OF 24:00 UT ON 07 JANUARY.

REGION	LOCATION	LO	COMMENTS (IF ANY)
6441	S16W45	145	NONE
6443	N18W43	143	

ACTIVE REGIONS DUE TO RETURN BETWEEN 08 AND 10 JANUARY

Region	Latitude	Longitude (Helio.)
NONE		

NOTES:
For definitions regarding the above, request the "Glossary of Solar Terrestrial Terms" from "std_oler@hg.uleth.ca".

GRAPHICAL ANALYSIS OF RECENT PLANETARY (GLOBAL) GEOMAGNETIC ACTIVITY

```
                 Cumulative Geomagnetic Activity History
         Peak Planetary Geomagnetic Activity during the past 96 hours
 ____________________________________________________________________
|  EXTREMELY SEVERE |        |        |        |        | VERY HIGH! |
| VERY SEVERE STORM |        |        |        |        | HIGH       |
|      SEVERE STORM |        |        |        |        | MODERATE   |
|       MAJOR STORM |        |        |        |        | LOW - MOD. |
|       MINOR STORM |        |        |        |        | LOW        |
|       VERY ACTIVE |        |        |        |        | NONE       |
|            ACTIVE |  ***   |        |        |        | NONE       |
|         UNSETTLED | ***** *| *****  |   ***  |        | NONE       |
|             QUIET |********|********|********|********| NONE       |
|        VERY QUIET |********|********|********|********| NONE       |
|-------------------|--------|--------|--------|--------|------------|
| Geomagnetic Field |  Fri.  |  Sat.  |  Sun.  |  Mon.  |  Anomaly   |
|    Conditions     |     Given in 3-hour intervals     | Intensity  |
|____________________________________________________________________|
```

NOTES:
The data above represents planetary geomagnetic activity. Data from many magnetic observatories around the world are used in constructing the above chart. The first graph line for each day represents geomagnetic activity which occurred between 00 UT and 03 UT. The second graph line represents activity which occurred between 03 UT and 06 UT, etc. For information regarding the interpretation and/or use of these charts, send a request for the document "Understanding Solar Terrestrial Reports" to: std_oler@hg.uleth.ca.

PLANETARY 10-DAY GEOMAGNETIC ACTIVITY OUTLOOK (06 JANUARY - 15 JANUARY)

```
 ________________________________________________________________________
|  EXTREMELY SEVERE |   |   |   |   |   |   |   |   |   |   | VERY HIGH! |
| VERY SEVERE STORM |   |   |   |   |   |   |   |   |   |   | HIGH       |
|      SEVERE STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
|       MAJOR STORM |   |   |   |   |   |   |   |   |   |   | LOW - MOD. |
|       MINOR STORM |   |   |   |   |   |   |   |   |   |   | LOW        |
|       VERY ACTIVE |   |   |   |   |   |   |   |   |   |   | NONE       |
|            ACTIVE |   |   |   | * |   |   |   |   |   |   | NONE       |
|         UNSETTLED |   |   | **|***|***|***|** | * |   |   | NONE       |
|             QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
|        VERY QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
|-------------------|---|---|---|---|---|---|---|---|---|---|------------|
| Geomagnetic Field |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|  Anomaly   |
|    Conditions     |       Given in 8-hour intervals       | Intensity  |
   |________________________________________________________________________|
```

NOTES:

Predicted geomagnetic activity is based heavily on recurrent phenomena. Transient energetic solar events cannot be predicted reliably over periods in excess of several days. Hence, there may be some deviations from the predictions due to the unpredictable transient solar component.

GRAPHICAL ANALYSIS OF SOLAR ACTIVITY OVER THE PAST 60 DAYS

```
                   Cumulative Graphical Analysis of
                           Solar Activity
    ____________________________________________________________
249|                                                            | MOD.
242|         F = Major Flare(s)                                 | MOD.
235|                              *FFF                          | MOD.
229|                             **FFF                          | MOD.
222|        *                  ****FFF                          | MOD.
215|        *                 *****FFF*                         | MOD.
208|      ***                 *****FFF*    *                    | MOD.
201|*    *****               F*****FFF**   *                   *| MOD.
195|* *  ******              F*****FFF*** ***       * **       *| MOD.
188|**** *******            *F*****FFF******* * FF*F****       *| LOW
181|**************         **F*****FFF*********FFF*F*******   **| LOW
174|***************       ***F*****FFF*********FFF*F*******  ***| LOW
167|*****************  * ****F*****FFF*********FFF*F************| LOW
161|*****************  ******F*****FFF*********FFF*F************| LOW
154|*****************F*******F*****FFF*********FFF*F************| LOW
    ------------------------------------------------------------
               Cumulative 60 day Solar Activity Record
                   Start Date:  November 9, 1990
```

NOTES:

Left-hand column digits represent the 10.7 cm solar radio flux obtained from Ottawa. The right-hand column describes the relative solar activity for that period based on the average number of major and minor flares that can be expected for related solar flux values. Plot lines labeled with the letter "F" represent days where at least one major flare occurred (ie. class M5 or greater flare).

GRAPHICAL 20-DAY SOLAR ACTIVITY PREDICTION

```
                           Solar Activity

 _________________________________________________________________
| 243 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 236 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 229 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 223 |  |  |  |**|**|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 216 |  |  |**|  |  |**|  |**|  |  |  |  |  |  |  |  |  |  |  |  |
| 209 |  |  |  |  |  |  |**|  |**|**|  |  |  |  |  |  |  |  |  |  |
| 202 |  |**|  |  |  |  |  |  |  |  |**|  |  |**|  |  |  |  |  |  |
| 195 |  |  |  |  |  |  |  |  |  |  |**|**|  |**|  |  |  |  |  |
| 188 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |**|  |  |  |  |
| 181 |**|  |  |  |  |  |  |  |  |  |  |  |  |  |  |**|  |  |**|
| 174 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |**|**|  |
| 168 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 161 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|Solar|06|07|08|09|10|11|12|13|14|15|16|17|18|19|20|21|22|23|24|25|
|Flux |                       January                             |
 -----------------------------------------------------------------


HF RADIO SIGNAL PROPAGATION PREDICTIONS (06 JANUARY - 15 JANUARY)

                              High Latitude Paths
            _______________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |   |   |   |   |   |   |   |   |   |   |
           |           GOOD |* *|* *|*  |   |   |   |  *|* *|* *|* *|
           |           FAIR | * | * | **|* *|* *|***|** | * | * | * |
           |           POOR |   |   |   | * | * |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            -------------------------------------------------------

                             Middle Latitude Paths
            _______________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |* *|* *|*  |   |   |   |   |   |* *|* *|
           |           GOOD | * | * | **|***|  *|***|* *|***| * | * |
           |           FAIR |   |   |   |   |** |   | * |   |   |   |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            -------------------------------------------------------

                                Low Latitude Paths
            _______________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |***|***|***|  *|   |  *|  *|* *|***|***|
           |           GOOD |   |   |   |** |***|** |** | * |   |   |
           |           FAIR |   |   |   |   |   |   |   |   |   |   |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------

NOTES:
       High latitudes >= 55       degree's north latitude
     Middle latitudes >= 40 < 55  degree's north latitude
        Low latitudes  < 40       degree's north latitude



POTENTIAL VHF DX PROPAGATION PREDICTIONS (06 JANUARY - 15 JANUARY)
   INCLUDES SID AND AURORAL BACKSCATTER ENHANCEMENT PREDICTIONS

                   HIGH LATITUDES

 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   |   |   |   |   |   |   |   | 20%| | |*|*|*|*|*|*|*|*|
|    NORMAL|***|***|***| **| **|***|***|***|***|***| 40%| | | | | | | | | | |
|BELOW NORM|   |   |   |*  |*  |   |   |   |   |   | 60%| | | | | | | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% |   |   |   |   |   |   |   |   |   |   | 40%| | | | | | | | | | |
|      20% |   |   |   |* *|* *|* *|  *|   |   |   | 20%| | | |*|*|*|*| | | |
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|


                  MIDDLE LATITUDES

 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   | * | * |   |   |   |   |   | 20%| | |*|*|*|*|*|*|*|*|
|    NORMAL|***|***|***|* *|* *|***|***|***|***|***| 40%| | |*|*|*|*|*|*|*|*|
|BELOW NORM|   |   |   |   |   |   |   |   |   |   | 60%| | | |*|*| | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% |   |   |   | * | * |   |   |   |   |   | 40%| | | | | | | | | | |
|      20% |   |   | **| **| **| **| **| **| **| **| 20%| | | | | | | | | | |
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|
```

```
                    LOW LATITUDES
 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   | * | * | * | * |   |   |   |   | 20%| |*|*|*|*|*|*|*|*|*|
|    NORMAL|***|***|* *|* *|* *|* *|***|***|***|***| 40%| | |*|*|*|*|*|*|*|*|
|BELOW NORM|   |   |   |   |   |   |   |   |   |   | 60%| | |*|*|*|*| | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% |   |   | * | * | * | * |   |   |   |   | 40%| | | | | | | | | | |
|      20% |   | * | **| **| **| **| **| **| **| **| 20%| | | | | | | | | | |
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|
```

NOTES:

These VHF DX prediction charts are defined for the 50 MHz to 220 MHz bands. They are based primarily on phenomena which can affect VHF DX propagation globally. They should be used only as a guide to potential DX conditions on VHF bands. Latitudinal boundaries are the same as those for the HF predictions charts. For more information, request the document "Understanding Solar Terrestrial Reports" from: "std_oler@hg.uleth.ca".

AURORAL ACTIVITY PREDICTIONS (06 JANUARY - 15 JANUARY)

```
                            High Latitude Locations
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   |   |   |   |   |   |   |   |
           |       MODERATE |   |   |   | * | * |   |   |   |   |   |
           |            LOW |   |   |   |***|***|***| * |   |   |   |
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------
```

```
                          Middle Latitude Locations
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   |   |   |   |   |   |   |   |
           |       MODERATE |   |   |   |   |   |   |   |   |   |   |
           |            LOW |   |   |   | * |***| * | * |   |   |   |
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------

                             Low Latitude Locations
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   |   |   |   |   |   |   |   |
           |       MODERATE |   |   |   |   |   |   |   |   |   |   |
           |            LOW |   |   |   |   |   |   |   |   |   |   |
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------
```

NOTE:
For more information regarding these charts, send a request for the document, "Understanding Solar Terrestrial Reports" to: std_oler@hg.uleth.ca.

** End of Report **

From 464258856768358160
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ee8afc42bed7e355,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 19:57:23 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: To Jon Bloom
Message-ID: <9101081138.AA10798@cmr.ncsl.nist.gov>
Date: 8 Jan 91 11:38:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 4

John,
The uunet gateway from the Internet doesn't know about "arrlhq". Could you

post a path starting with some well-known host?
Tnx,   Bob   W3OTC

From 9193139073023863838
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 20:03:13 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!ccwf.cc.utexas.edu
From: kipper@ccwf.cc.utexas.edu (Kip Ingram)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <42229@ut-emx.uucp>
Date: 8 Jan 91 13:40:55 GMT
References: <19917.799.7009@canrem.uucp>
Sender: news@ut-emx.uucp
Reply-To: kipper@ccwf.cc.utexas.edu (Kip Ingram)
Organization: The University of Texas at Austin
Lines: 34

In article <19917.799.7009@canrem.uucp> "greg trice" <greg_trice@canrem.uucp>
writes:
>
> All this endless debate about CW is getting pointless. Amateur radio
>will not change one way or the other whether there is a CW requirement
>or not. What has changed it, almost beyond recognition, is the
>near-extinction of home building of equipment. When I was first licensed
>
> Today's appliance operators totally miss the joy of communicating with
>somebody using the fruits of one's own endeavor. I will never forget the
>first time I went on 2 meters using a receiver and transmitter built
>entirely out of parts recovered from scrap TVs - 1 watt of AM, but it
>worked! 70cm and 23cm soon followed, then SSB, RTTY and TV. None of the

HERE HERE!!!!!!!!!!! I'm new to the hobby, and the Greg describes above
is the hobby I THOUGHT I was getting into. I'm waiting for my license
now, and already have built a QRP CW transmitter for 10 meters. I was
looking extremely forward to discussing construction techniques, design
ideas, and so forth with other avid builders.

> What I'd really like to see is some licensing incentive to use homebrew
>equimpent. Perhaps choice frequencies where commercial equipment is
>banned (but how would you enforce it?) Or a new grade of license to get
>which you had to show competence in design and construction of a useful
>piece of ham equipment.

I don't see how you could enforce a ban on commercial equipment, since one
could regard a commercial rig as a homebrewed rig with a single part (the
radio itself). Homebrew allows ANYTHING! However, I do think some spectrum
space reserved for hams who have passed an EXTREMELY rigorous technical exam
(one involving heavy duty questions about circuit theory, construction
techniques, and so forth) would be great. This license class should require

only the 5 wpm minimum code, and ANY emmission should be allowed there. In other words, anyone who has the technical punch to homebrew should get to strut his stuff in the "Homebrewer's band'.

From -1359766357127843491
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6be64f981100ba4a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 20:04:21 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!UNCG.BITNET!MOSIER
From: MOSIER@UNCG.BITNET (Steve Mosier)
Newsgroups: rec.ham-radio
Subject: Re: R5
Message-ID: <D9AE60B31BFF20282B@uncg.bitnet>
Date: 8 Jan 91 14:14:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6

I've seen many articles here over the past 6 months on the R5, including this week's comments. Off the list, though, I hear a lot of people say, "Get a Butternut vertical and you'll have 80 and 40 as well." Can anyone offer a comparison of the Cushcraft and Butternut verticals?

73 de W3GRG - steve

From -1501585186670900656
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,238af632b3663c04
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 20:05:37 PST
Path: gmdzi!unido!mcsun!ukc!harrier.ukc.ac.uk!civet.ukc.ac.uk!ali
From: ali@ukc.ac.uk (A.L.Ibbetson)
Newsgroups: rec.ham-radio
Subject: Re: Moving up from a J38 Key
Message-ID: <161@civet.ukc.ac.uk>
Date: 8 Jan 91 14:03:33 GMT
References: <".7-Jan-91.11:38:56.EST".*.Paul_Adler.NER-OSM@Xerox.com>
Reply-To: ali@ukc.ac.uk (A.L.Ibbetson)
Organization: Computing Lab, University of Kent at Canterbury, UK.
Lines: 12

In article <".7-Jan-91.11:38:56.EST".*.Paul_Adler.NER-OSM@Xerox.com>
Paul_Adler.NER-OSM@XEROX.COM writes:
>Can anyone suggest keyer paddles, advantages of each vendor, etc.

The Bencher paddle is the acknowledged market leader. It's made by W9KNI in Chicago. Bob is an active CW user, is a member of the First-class CW Operators Club, and was involved in the design of the CMOS Superkeyer II which has recently been discussed in this newsgroup. My Bencher paddle is 10 years old now. I use it almost every day and it has needed no maintenance.

Keep the J38, they are becoming rare and increasingly valuable.

Alan G3XAQ

From -3017323372630162059
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd7f67778376c851,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 20:06:27 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!fab8.intel.com!rharel
From: rharel@fab8.intel.com (CAL-LAB (MS:JER2-85 TEL:7589))
Newsgroups: rec.ham-radio
Subject: Health & Welfare Traffic to Gulf Region
Message-ID: <9101081431.AA12601@hermes.intel.com>
Date: 8 Jan 91 14:31:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 23

For all those interested in getting health and welfare traffic over to
U.S. Military deployed personel in the Gulf region - there is a BBS running
out of the American Embassy in Riyhad - 7Z1AB.
Traffic can get to 7Z1AB from Stateside via Packet or the Internet.
Specify in the message who the traffic is destined for - including rank
and other specifics if available. A network of fax machines are set up to get
the message to it's destination ASAP once it arrives at 7Z1AB.
Here are the addresses for heath and welfare traffic ONLY - (please use this
for personal messages only - no bullitens or "To all troops in the gulf:")

Packet:
7Z1AB @W3IWI.MD.USA

Internet:
Clark@tomcat.gsfc.nasa.gov

73,
Rich

```
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
E-Mail:                  |Pigeon:          |Land Line:  |Packet:|Heart:
RHAREL%FAB8@SC.INTEL.COM |P.O. BOX 6457    |972-2-785578|4X1DA  |Cute blondes
                         |JERUSALEM, ISRAEL|            |@4Z4SV |with blue eyes
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
```

From -810689917271200711
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64ebb1df5ba2dda2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 20:12:08 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!pitt!
speedy.cs.pitt.edu!hoffman
From: hoffman@speedy.cs.pitt.edu (Bob Hoffman)

```
Newsgroups: rec.ham-radio
Subject: Re: Non-acidic RTV
Message-ID: <9661@pitt.UUCP>
Date: 8 Jan 91 15:03:45 GMT
References: <07.Jan.91.14:07:15.GMT.#7519@UK.AC.NWL.IA> <299@nachos.SSESCO.com>
Sender: news@pitt.UUCP
Reply-To: hoffman@speedy.cs.pitt.edu (Bob Hoffman)
Organization: Univ. of Pittsburgh Computer Science
Lines: 16

In article <299@nachos.SSESCO.com> elmquist@nachos.SSESCO.com (Chris Elmquist)
writes:
>In article <07.Jan.91.14:07:15.GMT.#7519@UK.AC.NWL.IA> PJML@ibma.nerc-
wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon") writes:
>
>>feedpoint in non-acidic RTV rubber to keep out what passes for weather
>              ^^^^^^^^^^^^^^^^^^^^^
>
>Hey! Where can you get this stuff...?

Your local electronics supply house should have "Electronic Grade" RTV
which is non-acidic.  General Electric's RTV-162 is what I use.

     ---Bob.

--
Bob Hoffman, N3CVL       {allegra, bellcore, idis, psuvax1}!pitt!hoffman
Pitt Computer Science    hoffman@cs.pitt.edu    FAX: +1 412 624 8854


From -622195415071590321
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8f23288667e7c0d3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 20:13:50 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
PICA.ARMY.MIL!cfishman
From: cfishman@PICA.ARMY.MIL (Clark Fishman, FSAC-FCD)
Newsgroups: rec.ham-radio
Subject: [To: inf0-hams:  Message for Paul Masters]
Message-ID: <9101081019.aa08322@FSAC1.PICA.ARMY.MIL>
Date: 8 Jan 91 15:19:37 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25



----- Forwarded message # 1:

Date:     Tue, 8 Jan 91 10:18:44 EST
From:     Clark Fishman (FSAC-FCD)  <cfishman@PICA.ARMY.MIL>
To:       inf0-hams@ucsd.edu
```

cc: cfishman@PICA.ARMY.MIL
Subject: Message for Paul Masters
Message-ID: <9101081018.aa07404@FSAC1.PICA.ARMY.MIL>

I read your message in info-hams.

I have lot's of parts and data .

I tried to e-mail direct to you but the mail bounced.

E-mail or call direct.

Clark Fishman WA2UNN phone day :201-724-6041 or 7956

night: 908-852-7416 Machine answers I screen

----- End of forwarded messages

From 5978703415189379766
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88a0e58d08c1b1f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 20:22:44 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!uwm.edu!
ux1.cso.uiuc.edu!midway!ellis.uchicago.edu!pbhx
From: pbhx@ellis.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: Re: new technician license
Message-ID: <1991Jan8.151939.28418@midway.uchicago.edu>
Date: 8 Jan 91 15:19:39 GMT
References: <124@canada.sbi.com>
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 31

In article <124@canada.sbi.com> jerrys@canada.sbi.com (Jerry Simonowits) writes:
>Ok folks, I just got off the air after a rather heated 1/2 hour discussion
>on 2 meters with the gentleman who runs the busiest VE sessions in North
>Jersey.
>
>His position is that anyone taking the element 2 and 3a tests (Novice and
>Technician theory) now with the intention of getting a new Technician
>class license after 2/15 is wasting his/her time. Here's why. He says that
>there is no process in place to have people show up at a VE test session with
>the two CSCE forms and to generate a form 610 for a license. The current
>process requires one to pass some element at the exam session for a 610 to
>be generated.
>
>Jerry Simonowits

I sent email to W5YI, Fred Maia, and got his reaction to this. He disagrees with your VE.

Fred states that anyone who comes to a VE session on or after 2/14/91 with a *valid* CSEC for elements 2 (Novice written) and 3A (Tech written) will have a form 610 completed by the VEs and sent to the FCC requesting a codeless Tech license. CSECs are valid for 365 days, so one could walk in on 2/14/91 with a CSEC dated 2/15/90.

Your NJ VE is just making more work for himself in February.

So avoid the rush. Test now!
--

Peter B. Hayward   WX9T
University of Chicago Computing Organizations

From -2805823340303385490
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 20:22:49 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!rpi!uwm.edu!ux1.cso.uiuc.edu!midway!midway.uchicago.edu!pbhx
From: pbhx@midway.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <1991Jan8.154536.29053@midway.uchicago.edu>
Date: 8 Jan 91 15:45:36 GMT
References: <19917.799.7009@canrem.uucp>
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 21

In article <19917.799.7009@canrem.uucp> greg_trice@canrem.uucp (greg trice) writes:
> All this endless debate about CW is getting pointless. Amateur radio
> will not change one way or the other whether there is a CW requirement
> or not. What has changed it, almost beyond recognition, is the
> near-extinction of home building of equipment.
> (edited)
> What I'd really like to see is some licensing incentive to use homebrew
> equimpent. Perhaps choice frequencies where commercial equipment is
> banned (but how would you enforce it?) Or a new grade of license to get
> which you had to show competence in design and construction of a useful
> piece of ham equipment.
>
> Anybody else have any suggestions?

How about special lanes on the interstates for people who build their own cars?

Peter B. Hayward WX9T
University of Chicago Computing Organizations

From -3095732129412048540
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ccd94040315cfee1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 22:31:07 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!think.com!zaphod.mps.ohio-state.edu!
swrinde!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Radio Shack Bashing
Message-ID: <9101081638.AA08024@tilde>
Date: 8 Jan 91 16:38:34 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Tue Jan 8 10:38:34 1991

Maybe we'll all stop giving thumbs-down to RS when they market a 2-meter
transceiver for 99.95, after the huge market demand that will be created
by the enormous influx of new Hams.

Won't that be fun?

73,
Dube N5PDK

From 3002077235299301001
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ee8afc42bed7e355
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 22:32:42 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!
midway!midway.uchicago.edu!pbhx
From: pbhx@midway.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: Re: To Jon Bloom
Message-ID: <1991Jan8.172722.1840@midway.uchicago.edu>
Date: 8 Jan 91 17:27:22 GMT
References: <9101081138.AA10798@cmr.ncsl.nist.gov>
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 19

In article <9101081138.AA10798@cmr.ncsl.nist.gov>
rc@CMR.NCSL.NIST.GOV (Robert Carpenter) writes:

> John,
> The uunet gateway from the Internet doesn't know about "arrlhq". Could
> you post a path starting with some well-known host?

> Tnx,   Bob   W3OTC

Issuing the command "uupath arrlhq" on my system returns the bang path to
arrlhq. The only well-connected machine I recognize in the path is
rutgers. Using your own route to rutgers you would add:

!rutgers!njin!uupsi!mstr!uhasun!arrlhq!(recipient)

(Some day we wouldn't have to do this...some day we will have
smart mailers...someday I will be rich...)

Peter B. Hayward   WX9T
University of Chicago Computing Organizations

From -3586596166791060888
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 22:37:54 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sol.ctr.columbia.edu!cica!bronze!
commgrp@silver.ucs.indiana.edu
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <1991Jan8.195506.20166@bronze.ucs.indiana.edu>
Date: 8 Jan 91 09:54:53 GMT
Sender: daemon@bronze.ucs.indiana.edu (Mr Background)
Organization: Indiana University
Lines: 20

>A technical discussion overheard on two meters...
>--How do I find out how a resistor ;is good or bad?
>
>-- Check ;it with an ohmmeter.
>
>--- "What's an ohmmeter?"
>
>The asker held a General license!

CB'er in (non-RS) radio store: "This coax I bought here is supposed
to be 50 ohms but I tested it with my ohmmeter and it's an open
circuit. Take it back and gimme some good cable!"

I made a clerk in the local RS very happy by showing him how to use an
ohmmeter to test a complaining customer's stereo patch-cable which
turned out to be broken internally.

--

Frank   W9MKV   reid@ucs.indiana.edu

From 8707708990366414548
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a0374f57388c212
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6a0374f57388c212
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-08 22:39:07 PST
Path: gmdzi!unido!mcsun!uunet!samsung!rex!wuarchive!udel!haven!adm!cmcl2!panix!schuster
From: schuster@panix.uucp (Michael Schuster)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Icom IC-R1 Questions
Keywords: scanner receiver help
Message-ID: <1991Jan8.141346.6557@panix.uucp>
Date: 8 Jan 91 14:13:46 GMT
References: <1673@wjvax.UUCP>
Organization: PANIX - Public Access Unix Systems of NY
Lines: 21
Xref: gmdzi rec.radio.shortwave:3365 rec.ham-radio:18953

In article <1673@wjvax.UUCP> stever@wjvax.UUCP (Steve Reinhold) writes:
>1. Can anyone supply an English instruction manual for this unit? I have only
>the Japanese manual and there are some functions I have not yet figured out.
>

If you have a PostScript output device available, a scanned .EPS version
of the manual is available for FTP from wilbur.Stanford.EDU

The file name is R1.tar.Z and it's in the pub/ durectory. It uncompresses
to just under 5 MB of scanned pages.

My initial enthusiasm for the R1 has been tempered greatly by its performance
limitations, especially the poor image rejection that's been pointed out here
before. This makes using it in a busy metropolitan area a frustrating
experience.

```
--
l\  /l '     _    Mike Schuster          ...!cmcl2!panix!schuster
l \/ l l l/ (_    NY Public Access       CIS:70346,1745
l    l l l\ (_    UNIX Systems           MCI Mail,GEnie:MSCHUSTER
```

From 1625330365954338206
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f4f5c26c7e724f5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 22:39:21 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: news

Message-ID: <1991Jan8.172249.17589@athena.cs.uga.edu>
Date: 8 Jan 91 17:22:49 GMT
References: <1991Jan7.223343.1@acad2.anc.alaska.edu>
Organization: University of Georgia, Athens
Lines: 20

In article <1991Jan7.223343.1@acad2.anc.alaska.edu> atjmw@acad2.anc.alaska.edu
writes:
>I am intrepedIy trying to develop a VHF/UHF antenna for my scanner. After
>initially devising a plan for a Log-Periodic Dipole, I became discouraged with
>the number of elements and size of the array. I am considering taking several
>verticle antennas set for various frequencies and feeding them with one coaxial
>cable. How would one go about feeding several VHF/UHF anteas? Can anyone make a
>guess on the antenna impedence? Thanks. -Atjmw3@alaska-

I think what you want is a ground plane antenna (one vertical element,
and the other element consisting of 4 or more horizontal or slightly
drooping radials). Then just use two or more vertical elements connected
in parallel. At any given frequency, the impedance of the one that is
resonant will be *much* lower than that of the others in parallel with it.

  The radials should be at least as long as the longest vertical element.

  Note also that any antenna of this type will also resonate at 3 and
  5 times the frequency it is cut for. This combined with the generally
  non-critical nature of receiving antennas, might let you get by with
  one vertical element.

From -6529667238011864282
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 22:39:22 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!emory!
athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <1991Jan8.172554.17706@athena.cs.uga.edu>
Date: 8 Jan 91 17:25:54 GMT
References: <19917.799.7009@canrem.uucp> <42229@ut-emx.uucp>
Organization: University of Georgia, Athens
Lines: 19

In article <42229@ut-emx.uucp> kipper@ccwf.cc.utexas.edu (Kip Ingram) writes:
>In article <19917.799.7009@canrem.uucp> "greg trice" <greg_trice@canrem.uucp>
writes:
>>
>> Today's appliance operators totally miss the joy of communicating with
>>somebody using the fruits of one's own endeavor. I will never forget the
>>first time I went on 2 meters using a receiver and transmitter built
>>entirely out of parts recovered from scrap TVs - 1 watt of AM, but it

>>worked! 70cm and 23cm soon followed, then SSB, RTTY and TV. None of the
>
>radio itself). Homebrew allows ANYTHING! However, I do think some spectrum
>space reserved for hams who have passed an EXTREMELY rigorous technical exam
>(one involving heavy duty questions about circuit theory, construction
>techniques, and so forth) would be great. This license class should require
>only the 5 wpm minimum code, and ANY emmission should be allowed there. In
>other words, anyone who has the technical punch to homebrew should get to
>strut his stuff in the "Homebrewer's band'.

That's what Extra Class *ought* to be. Away with all this fast CW snobbery!
REAL hams know how to build radios!!!

From 8434209971535708936
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 22:41:05 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: homebrewing
Message-ID: <837@wells.UUCP>
Date: 8 Jan 91 17:03:03 GMT
References: <19917.799.7009@canrem.uucp>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 24

The rather lengthy comments about homebrewing are all too
true.
It's bad enough that no one even thinks about building his
own transmitter these days
They all buy MFJ tuners instead of homebrewing something
infinitely better for a fraction of the cost

Is the ultimate limit "BUYING A DIPOLE"?

A technical discussion overheard on two meters centered about
a simple circuit in which a tubular object about an inch long
and .25 dia. with a wire on each end had obviously become
overheated, charred, and presented a highly unserviceable
appearance.
Long discussion about what a resistor was doing in that circuit

--How do I find out how a resistor ;is good or bad?

-- Check ;it with an ohmmeter.

--- "What's an ohmmeter?"

```
The asker held a General license!


From -1227606245089861049
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29b4a11527361cbc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a44e666417fc387e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-08 22:47:22 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!udel!
haven!adm!cmcl2!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <FXTgV2w163w@phoenix.com>
Date: 8 Jan 91 17:18:26 GMT
References: <16275@venera.isi.edu>
Organization: Not BIFF At All (NBAA)
Lines: 21
Xref: gmdzi rec.radio.shortwave:3366 rec.ham-radio:18957


onder@ISI.EDU (Bruce Onder) writes:

> In article <41aFV2w163w@phoenix.com> stanley@phoenix.com (John Stanley) write
>
> > I have never had a K-Mart, Sears, etc, salesperson refuse to make a
> >cash sale to me. I HAVE had Radio Shack people refuse CASH. Why? Because
> >I wouldn't give them my name and address. No, cash being waved in their
> >face is NOT sufficient to buy something from Radio Shack.
> >
> I assume this is for their flyer mailing list?  Make something up.
> Usually, it's easier to work around a problem than bash your head
> against it.
>
> The Ultimate is to give them a name and/or address with a
> double-entendre or reads something else backwards, but they don't
> catch on till your out the door. :)

   I.e., the correct solution is not to complain until they stop asking
for information they have no need to have, the correct thing to do is to
LIE. Thank you.


From 6343053126076954865
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8ae3dcbc90f47923
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 04:48:24 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sol.ctr.columbia.edu!cica!bronze!
commgrp@silver.ucs.indiana.edu
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
```

Newsgroups: rec.ham-radio
Subject: Re: HTs and Die Hard
Message-ID: <1991Jan7.224834.3604@bronze.ucs.indiana.edu>
Date: 7 Jan 91 12:48:24 GMT
Sender: daemon@bronze.ucs.indiana.edu (Mr Background)
Organization: Indiana University
Lines: 16
Posted: Mon Jan 7 06:48:24 1991

>RE:Die Hard HT's

> Incredible and unlimited features aside, what I want to know is where Hollywood buys BATTERYS for their super HT's, and where can I buy these seemingly inexhaustible cells for my HTs??

>J.B. Later (jeffl@pmafire.inel.gov)

Same place Clint Eastwood gets nuclear dynamite: Acme division of GD. Acme Anti-Roadrunner Systems Inc. reorganized and became a military contractor after the famous Coyote vs. Acme consumer-liability lawsuit. :^P

--

Frank   W9MKV   reid@ucs.indiana.edu

From -4907270044840931301
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6569e351a5eb59a0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 05:26:12 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!hpcuhb!hpda!hpwala!hpnjld!eyg
From: eyg@hpnjld.HP.COM (Ed Gilbert)
Newsgroups: rec.ham-radio
Subject: Re: Cushcraft R5
Message-ID: <4140033@hpnjld.HP.COM>
Date: 7 Jan 91 13:26:12 GMT
References: <E15ED8622B7F00665F@ROSEVC.Rose-Hulman.Edu>
Organization: Hewlett Packard NJD, Rockaway NJ
Lines: 14

>I've worked many stations who use the R5. Since I am thinking about acquiring one, I always ask thos ewho use them if they are completely satisfied. THEY ALL ANSWER,YES!
>
>Question for the net: are they really that good. My intention is to mount one at about 60 feet, just above my triband beam.

Mounting an R5 near a triband beam is probably not a good idea. You will have coupling between the two antennas, and the directivity of the yagi wil be ruined by the current induced in the omnidirectional vertical. Try to separate the two antennas by more than a half wavelength (at 14 MHz).

Ed Gilbert, WA2SRQ

From -55817401172512361
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,541c96eec544fa26
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 05:32:38 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!hplabs!hpcc05!hpcuhb!hpda!hpwala!hpnjld!eyg
From: eyg@hpnjld.HP.COM (Ed Gilbert)
Newsgroups: rec.ham-radio
Subject: Re: CAPACITORS, RESONNANT FREQUENCY, R7000 to NRD 525
Message-ID: <4140034@hpnjld.HP.COM>
Date: 7 Jan 91 13:32:38 GMT
References: <410@newt.sbi.com>
Organization: Hewlett Packard NJD, Rockaway NJ
Lines: 6
Posted: Mon Jan 7 07:32:38 1991

>With that said, let's just choose a cap which will meet the requirement of
>low impedance at 10.7 MHz. For the cap to be 1 ohm or less at this frequency,
>it should be greater than about 150 nF (0.15 uF). You also want a cap of
>this value that can still be expected to be a cap at this frequency; in other

Your decimal point slipped. It's actually 15 nF (0.015 uF).

From -3474938516281788202
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64ebb1df5ba2dda2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 05:57:39 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: 'Comet' antennas.
Message-ID: <07.Jan.91.14:07:15.GMT.#7519@UK.AC.NWL.IA>
Date: 7 Jan 91 13:57:39 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19

'Comet' antennas - well, I bought a HS-WX1 (dualband 144/430 colinear) and whilst the mechanical construction was sort-of OK, the electrical construction seemed flakey to me.
The antenna is fed by attaching the inner of the coax to the centre junction of two capacitors fitted across a coil - these 2 capacitors were

disc-ceramic and rated at only 100 volts, and were encapsulated in the cheap 'biscuit' type resin which is not moisture-proof; i re-engineered the feed using 1Kv silver-mica capacitors of higher quality, and slathered the whole feedpoint in non-acidic RTV rubber to keep out what passes for weather round here.
The actual radiating element was made out of copper plated steel wire (same thickness as the cheap metal garment-hangers you get from dry cleaners!) stuffed up inside a fibre-glass tube (so it rattled!).

Overall, I disliked the electrical construction - not a patch on my old (British) Jaybeam C5 colinear; (but then the Jaybeam only works on 2 meters and costs 3 times as much) I guess you get what you pay for.

Pete Lucas PJML@UK.AC.NWL.IA G6WBJ@GB7SDN.GBR.EU

From 7478338066470972157
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,473bd7ca0fb2fcd1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 06:57:00 PST
Path: gmdzi!unido!mcsun!uunet!comp.vuw.ac.nz!actrix!fnet!
Macmillaniccgcc.decnet.ab.com
From: Macmillaniccgcc.decnet.ab.com@f170.n771.z3.fidonet.org
Newsgroups: rec.ham-radio
Subject: repost of prbwon first court order de wa8zhn
Message-ID: <9101111658.AA28979@f170.n771.z3.fidonet.org>
Date: 7 Jan 91 14:57:00 GMT
Reply-To: Macmillaniccgcc.decnet.ab.com@f170.n771.z3.fidonet.org
Lines: 1150
Comment-To: All@f170.n771.z3.fidonet.org

Lines: 1144

this file is reposted as I am having trouble with responding to some of the E-MAIL requests for copies. / wa8zhn

This file was created by W A 8 Z H N, J.D. (Jim) MacMILLAN
2760 Gibson Dr. Rocky River, OH 44116

NOTE: the symbol for section is not compatable in plain ascii and will be shown as (sect.) in 19 places

NOTE: underlining is a function of hardware or software and is omitted

A great effort was made to properly format and correct the errors made when this document after the printed copy was scanned into this ASCII format.
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filed 90 sept 21 am11:26
clerk U.S. court
northern ohio district
cleveland

UNITED STATES DISTRICT COURT

NORTHERN DISTRICT OF OHIO

EASTERN DIVISION

JAMES D. MacMILLAN, Plaintiff, - vs - CITY OF ROCKY RIVER, et al., Defendants.	)	1:87,CV 2820 ORDER

Battisti, J.

Before the court is Defendants' Motion to Dismiss and/or for Summary Judgment. Also before the court is Plaintiff's Motion for Partial Summary Judgment on Counts I and III of his Complaint.

Plaintiff James D. MacMillan ("MacMillan"), an amateur radio operator, licensed by the Federal Communication Commission, brings this action against the City of Rocky River, the Building Commissioner for the City of Rocky River ("Commissioner"), in his individual and official capacities, and the members of the Board or Zoning and Building Appeals of the City of Rocky River ("Board"), individually and in their official capacities, for denying, pursuant to certain City ordinances, his application to construct a thirty foot radio antenna system at his Rocky River residence. MacMillan seeks a declaratory judgment, injunctive relief and damages, based upon alleged violations of his rights under the United States Constitution and relevant federal statutory law (1)

Jurisdiction in the federal district court is predicated upon these alleged violations of the United States Constitution and federal statutory law. 28 U.S.C. (sect.)(sect.) 1331, 1337 and 1343 (1982).

I. FACTS

On or about January 20, 1987, Plaintiff applied to the City of Rocky River for a building permit to construct a thirty (30) foot antenna system at his residence on Gibson Drive in Rocky River. On June 5, 1987, the Commissioner notified the Plaintiff in writing that his application for a building permit was denied based upon three grounds. First, the Plaintiff's proposed radio tower would exceed the maximum height allowance under section 1143.10(b) of the Codified Ordinances of the City of Rocky River. Section 1143.10(b) states in relevant part that:

> "broadcasting towers, radio... antennae... may be erected above the height limit for the district, subject to the following constraints:
>
> (1) The height from the base of such

> structure, or the uppermost point at which such structure is attached to a building, to the top of such structure shall not be greater than the horizontal distance from the base of the structure to the nearest adjoining property

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(1)Specifically, as an amateur radio operator, Plaintiff claims violations of his rights under the Communications Act of 1934, 47 U.S.C. (sect.) 151, et seq., and the rules and regulations of the Federal Communications Commission ("FCC") promulgated thereunder, 47 C.F.R. , Part 97.

> line.
>
> Codified Ordinances of the City of Rocky River (sect.) 1143.10 (Ord. 59-73, Passed July 23, 1973) (1985).

In addition, the Commissioner stated that Plaintiff failed to provide certain technical information necessary to reviewing the permit application. Finally, the Commissioner stated that the proposed radio tower was not necessary for the development of Plaintiff's property and would result in a substantial impairment of neighboring real estate values, thus justifying denial of the permit pursuant to section 1333.02 of the Codified Ordinance of the City of Rocky River. Section 1333.02 states that:

> Whenever application is made for a permit to construct or alter a building or structure within this City, and the Building Commissioner finds that the proposed building or structure is of such value, design, material or location that it will result in a substantial impairment or destruction of value in neighboring real estate, and if he further finds that the use of the particular design, material or location proposed, or substantially similar ones, is not reasonably essential to the development of the property proposed to be built or altered, the

> Building Commissioner shall refuse to issue the permit. He shall within five days notify the applicant of such refusal and the reason thereof.
>
> Codified Ordinances of the City of Rocky River (sect.)1333.02 (Ord. 3077, passed November 14, 1955) (1985).

Plaintiff appealed this determination to the Board. On or about August 13, 1987, the Board approved the Commissioner's decision to refuse Plaintiff's application for a building permit.

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On or about August 27, 1987 Plaintiff appealed the Board's decision to the Cuyahoga County Court of Common Pleas, pursuant to Ohio Rev. Code Ann. (sect.) 2506.01 (Anderson 1981 & Supp. 1989).(2) See James D. Macmillan, et al. v. the City of Rocky River, Ohio, et al. , Case No. 135089. On or about October 6, 1987, Plaintiff filed a Motion for Enlargement of Time with the Cuyahoga County Court of Common Pleas, requesting an extension until October 27, 1987, to file a Brief in Support of his Appeal. On or about October 27, 1987, Plaintiff filed a Motion to Stay Proceedings in that Appeal. On November 9, 1987, Defendants filed a Brief in Opposition to Plaintiff's Motion to Stay Proceedings in the Court of Common Pleas. Apparently, Plaintiff has, to date, filed no brief in support of his appeal in the court of common pleas.

On October 27, 1987, the same day Plaintiff filed his motion to stay proceedings in the court of common pleas, Plaintiff also filed the complaint in the instant case in federal court.

The complaint alleges six claims against the City, the Commissioner and the Board:

---

(2) (sect.) 2506.01 states that:

> Every... decision of any... board... or any political subdivision of the state may be reviewed by the common pleas court of the county in which the principal office of the political subdivision is located...

Count I --- Sections 1331.01, 1333.02, and 1143.11(b) of the City Ordinances contravene federal law on their face and as applied to Plaintiff, thereby violating Art. VI (sect.) 2 of the United States Constitution.

Count II --- Sections 1331.01, 1333.02, and 1143.11(b) are unconstitutional on their face and as applied, in that they unreasonably burden radio communications and interstate commerce, thereby violating Art. I (sect.) 8.

Count III --- sections 1331.01, 1333.02, and 1143.11(b) are impermissibly vague and overbroad, thereby violating the First and Fourteenth Amendments. In addition, Defendants failure to promulgate reasonable rules relating to the grant of permits deprives Plaintiff of equal protection and due process, in violation of the Fourteenth Amendment.

Count IV --- Sections 1331.01, 1333.02, and 1143.11(b) are void and unconstitutional on their face and as applied insofar as they constitute an invalid exercise of state police power.

Count V --- sections 1331.01, 1333.02, and 1143.11(b) are void and unconstitutional on their face and as applied in that they deprive Plaintiff of equal protection in the exercise of his constitutional rights, guaranteed by the Fourteenth Amendment.

Count VI --- Defendant commissioner and Board members conspired to and did, under color of State law, deny plaintiff his constitutional right to a fair hearing and of his rights

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and privileges under the First and Fourteenth Amendments and by statute.

Plaintiff seeks declaratory and injunctive relief, as well as damages. The suit names as defendants the City of Rocky River, the Commissioner in his official and individual capacity, and the Board members in their official and individual capacities.

Defendants argue that the court should invoke the doctrine of abstention and decline to exercise jurisdiction. Alternatively, Defendants argue that Plaintiff's complaint should be dismissed in its entirety for failure to state a claim upon which relief can be granted, and/ or Defendants should be awarded summary judgement as a matter of law. Defendants also argue that the Commissioner and the Board members are protected from civil liability by qualified immunity, and therefore, the complaint against them in their individual capacity should be dismissed. Finally, Defendants argue that the Board members are not proper parties to the lawsuit, and thus, the court should dismiss all claims alleged against the members of the Board in their official capacity.

Plaintiff has moved for partial summary judgement on counts I and III.

II. ABSTENTION

The court finds no reason to abstain in the instant case. Noting that "[a]bstention from the exercise of federal

jurisdiction is the exception, not the rule," Colorado River Water Conservation Dist. v. United States, 424 U.S. 800, 813 (1976) and that absent "exceptional circumstances," County of Alleqheny v. Frank Mashuda Co. , 360 U.S. 185, 189 (1959), federal courts have "the virtually unflagging obligation.. . to exercise the jurisdiction given them, " Colorado River, 424 U.S. at 817, the Supreme Court has confined the circumstances appropriate for abstention to three general categories: (1) those that present "a federal constitutional issue which might be mooted or presented in a different posture by a state court determination of pertinent state law" ("Pullman" abstention) ; (2) those that present "difficult questions of state law bearing on policy problems of substantial public import whose importance transcends the result in the case then at bar" ("Burford" abstention) ; and, (3) those in which "absent bad faith, harassment, or patently invalid state statute, federal jurisdiction has been invoked for the purpose of restraining state criminal proceedings" ("Younqer" abstention). Colorado River, 424 U.S. at 815-816.

Defendants' brief argues that this court should abstain from ruling on Plaintiff's constitutional allegations under the Pullman line of cases. This argument, however, demonstrates a misunderstanding of the nature of that doctrine. Defendants claim that this court should withhold judgement until the Ohio courts have an opportunity to rule on the preemptive effect of the Federal Communications Commission's Memorandum Opinion and Order In the Matter of Federal Preemption of State and Local Regulations Pertaining to Amateur Radio Facilities, 50 Fed. Reg. 38813 (adopted September 16, 1985) (hereinafter referred to as "PRB-l").

While the preemptive effect of PRB-l will be discussed herein, it is enough to note at this time that preemption is not an unresolved question of state law of the type envisioned in the Pullman line of cases. Preemptive effect is, instead, a question of federal law, and thus, not a proper ground for Pullman abstention.

In addition, a federal court should only abstain under the Pullman doctrine where the state statute in question is uncertain. Babbitt v. United Farm Workers National Union, 442 U.S. 289, 306 (1979). In this instance, defendant has failed to indicate any way in which the relevant ordinances could be interpreted by Ohio state courts to avoid the constitutional questions raised in this action.

Burford abstention is also inappropriate in this case, as the state interest in local land use policy is insufficient to overcome the strong federal interest in promoting amateur radio operations. The Supreme Court stated in the Colorado river case that "the presence of a federal basis for jurisdiction may raise the level of justification needed for abstention." 424 U.S. at 815 n.2l. In issuing PRB-l, the FCC created "a limited preemption of state and local regulations which preclude amateur communications." 50

F.Reg. 38813. PRB-l states that:

> The ruling is necessary so that amateurs and local governing bodies alike will be aware of the strong federal interest in promoting amateur communication. The effect of the ruling is to give local communities and amateur operators a clear statement of the federal interest in amateur communications.
>
> Id. (emphasis added).

In addition, the ruling states that local ordinances "must be crafted to accommodate reasonably amateur communications" and to "represent the minimum practicable regulation to accomplish the local authority's legitimate purpose. " Id. at 38816. In light of this clear federal interest and the presence of at least partial preemption of local ordinances, it would be inappropriate for this court to abstain.

Several other federal courts have refused to abstain in cases similar to the one at hand. In Izzo v. Borough of River Edge, 843 F.2d 765 (3rd Cir. 1988), the plaintiff, an amateur radio operator licensed by the FCC, applied to the borough planning board for a variance to construct a forty foot transmission tower at his residence. After a hearing, the board denied the variance, and the applicant filed a complaint in district court alleging constitutional violations and an invalid exercise of the borough's police power. The court stated that while " [f]ederal courts have expressly disavowed any desire to sit as a statewide board of zoning appeals hearing challenges to actions of municipalities.. ., [t]he special circumstances here require that the district

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court retain jurisdiction and adjudicate its dispute." Id. at 769. Among those "special circumstances" was that "an express, narrow, and quite specific federal provision threatens, at most, only a minimal disruption of a broad state policy." Id. See also Bodony v. Incorporated Village of Sands Point, 681 F.Supp. 1009, 1014 (E.D.N.Y. 1987) (finding abstention in such cases "inappropriate").

Accordingly, abstention is not warranted in the instant case.

III. STANDARD OF REVIEW

Defendants argue that this action should be dismissed pursuant to Fed. R. Civ. Proc. l2(b) (6) for failure to state a claim upon which relief can be granted or alternatively that summary judgment should be granted. The court will treat Defendant's motion as one for summary judgment, as matters outside the pleadings are presented to and not excluded by the court. Fed. R. Civ. P. 12 (b). The granting of summary judgment is proper "if the pleadings, depositions, answers to interrogatories, and admissions on file, together with the affidavits, if any, show that there is no genuine issue as to any material fact and that the moving party is entitled to a judgment as a matter of law." Fed. R. Civ. P. 56(c) ; see Celotex Corp. v. Catrett, 477 U.S. 317 (1986). In considering the propriety of a motion for summary judgment, the court must view all facts and inferences in a light most favorable to the

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nonmoving party. Securities and Exchange Commission v. Blavin, 760 F.2d 706, 710 (6th Cir. 1985).

"The moving party has the burden of showing the absence of genuine disputes over facts which, under the substantive law governing the issue, might affect the outcome of the action." Harris v. Adams, 873 F.2d 929, 931 (6th Cir. 1989) (citing Anderson v. Liberty Lobby, Inc. ., 477 U.S. 242 (1986)). The nonmoving party, on the other hand, "is required to present some significant probative evidence which makes it necessary to resolve the parties' differing versions of the dispute at trial." 60 Ivy Street Corp. v. Alexander, 822 F.2d 1432, 1435 (6th Cir. 1987) (citing First Nat'l Bank of Arizona v. Cities Serv. Co., 391 U.S. 253, 288-89 (1968)). The nonmoving party must go beyond the pleadings "and by her own affidavits, or by the depositions, answers to interrogatories, and admissions on file, ' designate specific fact showing that there is a genuine issue for trial." Celotex Corp. , 477 U.S. at 324.

III. PRECLUSION

Plaintiff seeks summary judgement in this case on the ground that the local ordinances in question, both as written and applied, are preempted by PRB-l, and thus, may not be enforced without violating the Supremacy Clause of Article IV, section 2 of the United States Constitution. "Federal preemption is premised on the Supremacy Clause and

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manifestation of Congressional intent to exclude state law."

Bulchis v. City of Edmonds, 671 F. Supp. 1270, 1273 (W.D. Wash 1987) (citing Chicago & North Western Transportation Co. v. Kalo Brick & Tile Co., 450 U.S. 311, 317 (1981)). As "[f]ederal regulations have no less preemptive effect than federal statutes, " Fidelity Fed. Sav. & Loan Ass'n v. De La Cuesta, 458 U.S. 141, 153 (1982), the FCC has the power to preempt local ordinances which conflict with federal policies. The FCC issued PRB-l pursuant to its power to "make such rules and regulations, and issue such orders, not inconsistent with this chapter, as may be necessary in the execution of its functions. " 47 U.S.C. (sect.) 154(i).

It must be noted initially that this court need not even consider the possible preemption of (sect.) 1143.11(b), as it is the court's opinion that there is no violation of that ordinance as drafted. Where a "state's highest court has not spoken to the question in controversy, the federal court must discern how the state courts would respond if confronted with the question. " Hartford Fire Ins. Co. v. Lawrence, Dykes, Goodenberger, Bower & Clancy, 740 F.2d 1362, 1365 (6th Cir. 1984). Neither party has identified any instance in which the Supreme Court of Ohio has had the opportunity to interpret (sect.) 1143.11(b). Certainly, defendant has shown no state court support for the Commissioner's interpretation of the ordinance. See Deposition of Kevin Beirne, at 78-83. "Under Ohio law, " [i]t is a cardinal rule that a court must first

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look to the language of the statute itself to determine the legislative intent. ... If that inquiry reveals that the statute conveys a meaning which is clear, unequivocal and definite, at that point the interpretive effort is at an end and the statute must be applied accordingly. ' " Id. at 1365 (citing Provident Bank v. Wood, 36 Ohio St.2d 101, 105-06, 304 N.E.2d 378 (1973)).

The Sixth Circuit has also stated that in the absence of state authority, federal courts must be "guided by applicable principles of state law and by relevant decisions of other jurisdictions." Aims v. State Farm Fire & Casualty Co. , 731 F.2d 1245 (1984). The Supreme Court of Ohio has stated:

> This court has long held that statutes imposing restrictions on the use of private property must be strictly construed. ... All doubts should be resolved in favor of the free use of private property rather than in favor of restrictions on such use.
>
> Gennari v. Andres-Tucker Funeral Home, Inc. , 21 Ohio St. 3d 102, 488 N.E.2d 174, 177 (1986).

See also Pinnacle Woods Survival Game, Inc. v. Hambden Township Zoning Inspector, 33 Ohio App. 3d 139, 514 N.E.2d 906, 908 (1986) (stating that "[s]tatutes or ordinances which impose restrictions upon the use of private property will be strictly construed and their scope cannot be extended to include limitations not therein clearly proscribed") ; and Cicerella, Inc. v. Jerusalem Township Bd. of Zoning Appeals, 59 Ohio App. 2d 31, 392 N.E.2d 574, 577 (1978) (stating that "[i]n determining the permitted use of property under a zoning

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Classification in which terms and language therein are not otherwise defined, the common and ordinary meaning of these terms and language must be considered, liberally construing the terms and language in favor of the permitted use so as not to extend the restrictions to any limitation of use not therein clearly prescribed").

The plain language of the (sect.) 1143.11(b) allows for two methods of measuring antenna height. An antenna may either be measured from its base to its top, or from the uppermost point at which it is attached to a building to its top. As long as either of these measurements is shorter than the distance from the base of the antenna to the nearest adjoining property line , there is no violation of the ordinance. Plaintiff's thirty foot antenna will be attached to the building at a height of twelve feet and will be between twenty-seven and thirty feet from the nearest adjoining property line. Since there is no violation of the ordinance as drafted this court need not examine the question of preemption.

The court now turns to the possible preemption of (sect.) 1333.02.(3) In issuing PRB-l, the FCC attempted to reach an Accommodation between the federal interest in regulating amateur radio operators and the state interest in regulating

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(3) The court will not consider plaintiff's challenge of (sect.)1331.01. Since plaintiff appealed the decision of the Commissioner, he was properly before the Board regardless of the filing of a protest under (sect.) 1331.01.

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land use. PRB-l describes the conflict as follows:

> Few matters coming before us present such a clear dichotomy of viewpoint as does the instant issue. The cities, counties, local communities and housing associations see an obligation to all of their citizens and try to address their concerns. This is accomplished through regulations, ordinances or covenants oriented toward the health, safety and general welfare of those they regulate. At the opposite pole are the individual amateur operators and their support groups who are troubled by local regulations which may inhibit the use of amateur stations or, in some instances ,totally preclude amateur communications.
>
> 50 Fed.Reg. at 38815.

PRB-l determines that a limited preemption policy is warranted, and states:

> Because amateur station communications are only as effective as the antennas employed, antenna height restrictions directly affect the effectiveness of amateur communications. Some amateur antenna configurations require more substantial installations than others if they are to provide the amateur operator with the communications that he/she desires to engage in. . .. We will not, however specify any particular height limitations below which a local government may not regulate, nor will we suggest the precise language that must be contained in local ordinances, such as mechanisms for special exceptions, variances, or conditional use permits. Nevertheless, local regulations which involve placement, screening, or height of antennas based on health, safety, or aesthetic considerations must be crafted to accommodate reasonably amateur communications, and to represent the minimum practicable regulation to accomplish the local

authority's legitimate purpose.

Id. at 38816.

The court concludes that (sect.) 1333.02 is not facially invalid since it provides a sufficient structure for balancing state and federal interests as required by PRB-l. By its

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terms the ordinance provides for a balancing of the effect of an improvement on neighboring property values against the reasonable need for the improvement to develop the property. As interpreted by Defendant, however, reasonable need in this situation involves reasonable need for the particular antenna to carry on effective communication of the type desired. See Defendant' Brief in Opposition to Plaintiff's Motion for Partial Summary Judgement, at 16. Interpreted as such, the ordinance could be applied to give reasonable consideration to both the city's local interests and Plaintiff's federally protected interest in amateur radio operation.

The court concludes, however, that the City of Rocky River did not apply the ordinance in such a way as to provide for the reasonable accommodation of amateur radio communications, and therefore, its ability to apply (sect.) 1333.02 as it did in this action is preempted by PRB-l.

It is only too clear from the depositions of Building commissioner Beirne and Gordon Stofer, a member of the Board of Zoning and Building Appeals, that neither the Commissioner, nor the Board had more than a cursory understanding of PRB-l and its requirements. Despite this, the City's actions might still be held legitimate if the decision making process included a reasonable accommodation of the federal government ' s interest in amateur radio communications. Evidence of such an accommodation, however, is totally lacking.

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The Commissioner's letter of June 5, 1987 denying Plaintiff's application for a building permit was largely conclusory. There was no indication in the letter that the Plaintiff's needs for adequate communication had been adequately considered. This combined with the Commissioner's obvious lack of understanding of radio communications at the time of his deposition indicates that concerns over property values and neighbors protests may have predominated in the decision making process.(4) The Board ' s verbal affirmance of the Commissioner's decision, unsupported as it is by any written opinion, fails to show any attempt to accommodate federal interests. Quite simply, there is nothing in the record to indicate that federal interests in amateur radio operation were sufficiently considered, or for that matter even adequately understood, by either the Commissioner or the Board.

Due to the court's holding on preemption, the plaintiff's second ground for summary judgement need not be considered.

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[4] The third ground for the Commissioner's denial of a building permit was the Plaintiff's failure to submit certain technical documents. While the City of Rocky River clearly has the right to require applicants for building permits to submit all necessary technical documents, the Plaintiff has raised the point that the Commissioner's first mention of some of these documents was in the letter denying the permit. It is somewhat unclear from the record the extent to which the Plaintiff met the statutory requirement for a permit. It is unnecessary, however, for the court to reach this point, since the Board's verbal affirmance of the Commissioner's decision was based upon the effect of the antenna on property values and the Plaintiff's need for the antenna.

The only issue remaining is that of damages.

IV. DAMAGES

Defendant claims that due to the availability of qualified immunity all claims for damages against the Commissioner and members of the Board in their individual capacities should be dismissed. The Supreme Court of the United States has recognized that "permitting damages suits against government officials can entail substantial social costs, including the risk that fear of personal monetary liability and harassing litigation will unduly inhibit officials in the discharge of their duties." Anderson v. Creighton, 483 U.S. 635, 638 (1987). In light of this danger, he Court has "generally provid[ed] government officials performing discretionary functions with a qualified immunity, shielding them from civil damages liability as long as their actions could reasonably have been thought consistent with the rights they are alleged to have violated." Id. (citing Malley v. Briggs, 475 U.S. 335, 344-45 (1986), for the proposition that "qualified immunity protects all but the

plainly incompetent or those who knowingly violate the law ' ").

The applicability of qualified immunity turns on the "objective legal reasonableness" of the government official's action "assessed in light of the legal rules that were clearly established' at the time it was taken. " Id. (citations omitted). "On summary judgement, the judge appropriately may

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determine, not only the currently applicable law, but whether that law was clearly established at the time an action occurred. If the law at that time was not clearly established, an official could not reasonably be expected to anticipate subsequent legal developments, nor could he fairly be said to know' that the law forbade conduct not previously identified as unlawful." Harlow v. Fitzgerald, 457 U.S. 800, 818 (1982) (footnote omitted).

As noted previously, the case at hand turns largely on the extent to which PRB-l preempts enforcement of the local ordinances in question. While PRB-l indicated that local regulations "must be crafted to accommodate reasonably amateur communications, and to represent the minimum practicable regulation, " it also refused to "specify any particular height limitation below which a local government may not regulate" and declined to "suggest the precise language that must be contained in local ordinances." 50 Fed. Reg. at 38816.

In light of this vague language, the court holds that Plaintiff's rights under PRB-l were not sufficiently clear that a reasonable government official should have known that enforcement of the ordinances in question would be violative of those rights. The conduct of the Commissioner and the members of the Board is held to be objectively reasonable, thus entitling them to qualified immunity from damages.

Plaintiff is instructed to submit a brief within twenty days of the entry of this order detailing the grounds and

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Basis for any further claims for monetary damages. Defendant may respond within ten days thereafter.

IV. CONCLUSION

Accordingly, Defendant's motion for summary judgement is GRANTED to the extent that (sect.) 1333. 02 and 1143. 10 (b) are held to be facially valid, and the Commissioner and members of the Board are found to have qualified immunity from damages. Plaintiff's motion for summary judgement is GRANTED to the extent that the process employed by the City in denying his application to erect his antenna is declared invalid.

IT IS SO ORDERED.

Frank J. Battisti
United States District Judge

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--- rfmail 0.3.9
* Origin: Bonafido Usenet <====> Fido Gateway. (3:771/170.0)
SEEN-BY: 771/110 170 180 772/20
FSC-Control: PATH: 771/110

From 59693524160143313
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,473bd7ca0fb2fcd1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 06:57:50 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!abvax!iccgcc!macmillan
From: macmillan@iccgcc.decnet.ab.com
Newsgroups: rec.ham-radio
Subject: repost of prbwon first court order de wa8zhn
Message-ID: <2700.2788461f@iccgcc.decnet.ab.com>
Date: 7 Jan 91 14:57:50 GMT
Lines: 1144

this file is reposted as I am having trouble with responding to some of the E-MAIL requests for copies. / wa8zhn

This file was created by WA8ZHN, J.D. (Jim) MacMILLAN
2760 Gibson Dr. Rocky River, OH 44116

NOTE: the symbol for section is not compatable in plain ascii and will be shown as (sect.) in 19 places

NOTE: underlining is a function of hardware or software and is omitted

A great effort was made to properly format and correct the errors made when this document after the printed copy was scanned into this ASCII format.

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UNITED STATES DISTRICT COURT

NORTHERN DISTRICT OF OHIO

EASTERN DIVISION

JAMES D. MacMILLAN,) 1:87,CV 2820
)
Plaintiff,)
)
- vs -) ORDER
)
CITY OF ROCKY RIVER, et al.,)
)
Defendants.)

Battisti, J.

Before the court is Defendants' Motion to Dismiss and/or for Summary Judgment. Also before the court is Plaintiff's Motion for Partial Summary Judgment on Counts I and III of his Complaint.

Plaintiff James D. MacMillan ("MacMillan"), an amateur radio operator, licensed by the Federal Communication Commission, brings this action against the City of Rocky River, the Building Commissioner for the City of Rocky River ("Commissioner"), in his individual and official capacities, and the members of the Board or Zoning and Building Appeals of the City of Rocky River ("Board"), individually and in their official capacities, for denying, pursuant to certain City ordinances, his application to construct a thirty foot radio antenna system at his Rocky River residence. MacMillan seeks a declaratory judgment, injunctive relief and damages, based upon alleged violations of his rights under the United States Constitution and relevant federal statutory law (1)

Jurisdiction in the federal district court is predicated upon these alleged violations of the United States Constitution and federal statutory law. 28 U.S.C. (sect.)(sect.) 1331, 1337 and 1343 (1982).

I. FACTS

On or about January 20, 1987, Plaintiff applied to the City of Rocky River for a building permit to construct a thirty (30) foot antenna system at his residence on Gibson Drive in Rocky River. On June 5, 1987, the Commissioner notified the Plaintiff in writing that his application for a building permit was denied based upon three grounds. First, the Plaintiff's proposed radio tower would exceed the maximum height allowance under section 1143.10(b) of the Codified Ordinances of the City of Rocky River. Section 1143.10(b) states in relevant part that:

> "broadcasting towers, radio... antennae... may be erected above the height limit for the district, subject to the following constraints:
>
> (1) The height from the base of such

> structure, or the uppermost point at which such structure is attached to a building, to the top of such structure shall not be greater than the horizontal distance from the base of the structure to the nearest adjoining property

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(1)Specifically, as an amateur radio operator, Plaintiff claims violations of his rights under the Communications Act of 1934, 47 U.S.C. (sect.) 151, et seq., and the rules and regulations of the Federal Communications Commission ("FCC") promulgated thereunder, 47 C.F.R. , Part 97.

> line.
>
> Codified Ordinances of the City of Rocky River (sect.) 1143.10 (Ord. 59-73, Passed July 23, 1973) (1985).

In addition, the Commissioner stated that Plaintiff failed to provide certain technical information necessary to reviewing the permit application. Finally, the Commissioner stated that the proposed radio tower was not necessary for the development of Plaintiff's property and would result in a substantial impairment of neighboring real estate values, thus justifying denial of the permit pursuant to section 1333.02 of the Codified Ordinance of the City of Rocky River. Section 1333.02 states that:

> Whenever application is made for a permit to construct or alter a building or structure within this City, and the Building Commissioner finds that the proposed building or structure is of such value, design, material or location that it will result in a substantial impairment or destruction of value in neighboring real estate, and if he further finds that the use of the particular design, material or location proposed, or substantially similar ones, is not reasonably essential to the development of

> the property proposed to be built or altered, the Building Commissioner shall refuse to issue the permit. He shall within five days notify the applicant of such refusal and the reason thereof.
>
> Codified Ordinances of the City of Rocky River (sect.)1333.02 (Ord. 3077, passed November 14, 1955) (1985).

Plaintiff appealed this determination to the Board. On or about August 13, 1987, the Board approved the Commissioner's decision to refuse Plaintiff's application for a building permit.

On or about August 27, 1987 Plaintiff appealed the Board's decision to the Cuyahoga County Court of Common Pleas, pursuant to Ohio Rev. Code Ann. (sect.) 2506.01 (Anderson 1981 & Supp. 1989).(2) See James D. Macmillan, et al. v. the City of Rocky River, Ohio, et al. , Case No. 135089. On or about October 6, 1987, Plaintiff filed a Motion for Enlargement of Time with the Cuyahoga County Court of Common Pleas, requesting an extension until October 27, 1987, to file a Brief in Support of his Appeal. On or about October 27, 1987, Plaintiff filed a Motion to Stay Proceedings in that Appeal. On November 9, 1987, Defendants filed a Brief in Opposition to Plaintiff's Motion to Stay Proceedings in the Court of Common Pleas. Apparently, Plaintiff has, to date, filed no brief in support of his appeal in the court of common pleas.

On October 27, 1987, the same day Plaintiff filed his motion to stay proceedings in the court of common pleas, Plaintiff also filed the complaint in the instant case in federal court.

The complaint alleges six claims against the City, the Commissioner and the Board:

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(2) (sect.) 2506.01 states that:

> Every... decision of any... board... or any political subdivision of the state may be reviewed by the common pleas court of the county in which the principal office of the political subdivision is located...

Count I --- Sections 1331.01, 1333.02, and 1143.11(b) of the City Ordinances contravene federal law on their face and as applied to Plaintiff, thereby violating Art. VI (sect.) 2 of the United States Constitution.

Count II --- Sections 1331.01, 1333.02, and 1143.11(b) are unconstitutional on their face and as applied, in that they unreasonably burden radio communications and interstate commerce, thereby violating Art. I (sect.) 8.

Count III --- sections 1331.01, 1333.02, and 1143.11(b) are impermissibly vague and overbroad, thereby violating the First and Fourteenth Amendments. In addition, Defendants failure to promulgate reasonable rules relating to the grant of permits deprives Plaintiff of equal protection and due process, in violation of the Fourteenth Amendment.

Count IV --- Sections 1331.01, 1333.02, and 1143.11(b) are void and unconstitutional on their face and as applied insofar as they constitute an invalid exercise of state police power.

Count V --- sections 1331.01, 1333.02, and 1143.11(b) are void and unconstitutional on their face and as applied in that they deprive Plaintiff of equal protection in the exercise of his constitutional rights, guaranteed by the Fourteenth Amendment.

Count VI --- Defendant commissioner and Board members conspired to and did, under color of State law, deny plaintiff his constitutional right to a fair hearing and of his rights and privileges under the First and Fourteenth Amendments and by statute.

Plaintiff seeks declaratory and injunctive relief, as well as damages. The suit names as defendants the City of Rocky River, the Commissioner in his official and individual capacity, and the Board members in their official and individual capacities.

Defendants argue that the court should invoke the doctrine of abstention and decline to exercise jurisdiction. Alternatively, Defendants argue that Plaintiff's complaint should be dismissed in its entirety for failure to state a claim upon which relief can be granted, and/ or Defendants should be awarded summary judgement as a matter of law. Defendants also argue that the Commissioner and the Board members are protected from civil liability by qualified immunity, and therefore, the complaint against them in their individual capacity should be dismissed. Finally, Defendants argue that the Board members are not proper parties to the lawsuit, and thus, the court should dismiss all claims alleged against the members of the Board in their official capacity.

Plaintiff has moved for partial summary judgement on counts I and III.

II. ABSTENTION

The court finds no reason to abstain in the instant case. Noting that "[a]bstention from the exercise of federal

jurisdiction is the exception, not the rule," Colorado River Water Conservation Dist. v. United States, 424 U.S. 800, 813 (1976) and that absent "exceptional circumstances," County of Alleqheny v. Frank Mashuda Co. , 360 U.S. 185, 189 (1959), federal courts have "the virtually unflagging obligation.. . to exercise the jurisdiction given them, " Colorado River, 424 U.S. at 817, the Supreme Court has confined the circumstances appropriate for abstention to three general categories: (1) those that present "a federal constitutional issue which might be mooted or presented in a different posture by a state court determination of pertinent state law" ("Pullman" abstention) ; (2) those that present "difficult questions of state law bearing on policy problems of substantial public import whose importance transcends the result in the case then at bar" ("Burford" abstention) ; and, (3) those in which "absent bad faith, harassment, or patently invalid state statute, federal jurisdiction has been invoked for the purpose of restraining state criminal proceedings" ("Younqer" abstention). Colorado River, 424 U.S. at 815-816.

Defendants' brief argues that this court should abstain from ruling on Plaintiff's constitutional allegations under the Pullman line of cases. This argument, however, demonstrates a misunderstanding of the nature of that doctrine. Defendants claim that this court should withhold judgement until the Ohio courts have an opportunity to rule on the preemptive effect of the Federal Communications

Commission's Memorandum Opinion and Order In the Matter of Federal Preemption of State and Local Regulations Pertaining to Amateur Radio Facilities, 50 Fed. Reg. 38813 (adopted September 16, 1985) (hereinafter referred to as "PRB-l").

While the preemptive effect of PRB-l will be discussed herein, it is enough to note at this time that preemption is not an unresolved question of state law of the type envisioned in the Pullman line of cases. Preemptive effect is, instead, a question of federal law, and thus, not a proper ground for Pullman abstention.

In addition, a federal court should only abstain under the Pullman doctrine where the state statute in question is uncertain. Babbitt v. United Farm Workers National Union, 442 U.S. 289, 306 (1979). In this instance, defendant has failed to indicate any way in which the relevant ordinances could be interpreted by Ohio state courts to avoid the constitutional questions raised in this action.

Burford abstention is also inappropriate in this case, as the state interest in local land use policy is insufficient to overcome the strong federal interest in promoting amateur radio operations. The Supreme Court stated in the Colorado river case that "the presence of a federal basis for jurisdiction may raise the level of justification needed for abstention." 424 U.S. at 815 n.2l. In issuing PRB-l, the FCC created "a limited preemption of state and local regulations which preclude amateur communications." 50 F.Reg. 38813. PRB-l states that:

> The ruling is necessary so that amateurs and local

> governing bodies alike will be aware of the strong federal interest in promoting amateur communication. The effect of the ruling is to give local communities and amateur operators a clear statement of the federal interest in amateur communications.
>
> Id. (emphasis added).

In addition, the ruling states that local ordinances "must be crafted to accommodate reasonably amateur communications" and to "represent the minimum practicable regulation to accomplish the local authority's legitimate purpose. " Id. at 38816. In light of this clear federal interest and the presence of at least partial preemption of local ordinances, it would be inappropriate for this court to abstain.

Several other federal courts have refused to abstain in cases similar to the one at hand. In Izzo v. Borough of River Edge, 843 F.2d 765 (3rd Cir. 1988), the plaintiff, an amateur radio operator licensed by the FCC, applied to the borough planning board for a variance to construct a forty foot transmission tower at his residence. After a hearing, the board denied the variance, and the applicant filed a complaint in district court alleging constitutional violations and an invalid exercise of the borough's police power. The court stated that while " [f]ederal courts have expressly disavowed any desire to sit as a statewide board of zoning appeals hearing challenges to actions of municipalities.. ., [t]he special circumstances here require that the district court retain jurisdiction and adjudicate its dispute." Id. at 769. Among those "special circumstances" was that "an express, narrow, and quite specific federal provision threatens, at most, only a minimal disruption of a broad state policy." Id. See also Bodony v. Incorporated Village of Sands Point, 681 F.Supp. 1009, 1014 (E.D.N.Y. 1987) (finding abstention in such cases "inappropriate").

Accordingly, abstention is not warranted in the instant case.

III. STANDARD OF REVIEW

Defendants argue that this action should be dismissed pursuant to Fed. R. Civ. Proc. l2(b) (6) for failure to state a claim upon which relief can be granted or alternatively that summary judgment should be granted. The court will treat Defendant's motion as one for summary judgment, as matters outside the pleadings are presented to and not excluded by the court. Fed. R. Civ. P. 12 (b). The granting of summary judgment is proper "if the pleadings, depositions, answers to interrogatories, and admissions on file, together with the affidavits, if any, show that there is no genuine issue as to any material fact and that the moving party is entitled to a judgment as a matter of law." Fed. R. Civ. P. 56(c) ; see Celotex Corp. v. Catrett, 477 U.S. 317 (1986). In considering the propriety of a motion for summary judgment, the court must view all facts and inferences in a light most favorable to the nonmoving party. Securities and Exchange Commission v. Blavin, 760 F.2d 706, 710 (6th Cir. 1985).

"The moving party has the burden of showing the absence of genuine disputes over facts which, under the substantive law governing the issue, might affect the outcome of the action." Harris v. Adams, 873 F.2d 929, 931 (6th Cir. 1989) (citing Anderson v. Liberty Lobby, Inc. ., 477 U.S. 242 (1986)). The nonmoving party, on the other hand, "is required to present some significant probative evidence which makes it necessary to resolve the parties' differing versions of the dispute at trial." 60 Ivy Street Corp. v. Alexander, 822 F.2d 1432, 1435 (6th Cir. 1987) (citing First Nat'l Bank of Arizona v. Cities Serv. Co., 391 U.S. 253, 288-89 (1968)). The nonmoving party must go beyond the pleadings "and by her own affidavits, or by the depositions, answers to interrogatories, and admissions on file, ' designate specific fact showing that there is a genuine issue for trial." Celotex Corp. , 477 U.S. at 324.

III. PRECLUSION

Plaintiff seeks summary judgement in this case on the ground that the local ordinances in question, both as written and applied, are preempted by PRB-l, and thus, may not be enforced without violating the Supremacy Clause of Article IV, section 2 of the United States Constitution. "Federal preemption is premised on the Supremacy Clause and

manifestation of Congressional intent to exclude state law." Bulchis v. City of Edmonds, 671 F. Supp. 1270, 1273 (W.D. Wash 1987) (citing Chicago & North Western Transportation Co. v. Kalo Brick & Tile Co., 450 U.S. 311, 317 (1981)). As "[f]ederal regulations have no less preemptive effect than federal statutes, " Fidelity Fed. Sav. & Loan Ass'n v. De La Cuesta, 458 U.S. 141, 153 (1982), the FCC has the power to preempt local ordinances which conflict with federal policies. The FCC issued PRB-l pursuant to its power to "make such rules and regulations, and issue such orders, not inconsistent with this chapter, as may be necessary in the execution of its functions. " 47 U.S.C. (sect.) 154(i).

It must be noted initially that this court need not even consider the possible preemption of (sect.) 1143.11(b), as it is the court's opinion that there is no violation of that ordinance as drafted. Where a "state's highest court has not spoken to the question in controversy, the federal court must discern how the state courts would respond if confronted with the question. " Hartford Fire Ins. Co. v. Lawrence, Dykes, Goodenberger, Bower & Clancy, 740 F.2d 1362, 1365 (6th Cir. 1984). Neither party has identified any instance in which the Supreme Court of Ohio has had the opportunity to interpret (sect.) 1143.11(b). Certainly, defendant has shown no state court support for the Commissioner's interpretation of the ordinance. See Deposition of Kevin Beirne, at 78-83. "Under Ohio law, " [i]t is a cardinal rule that a court must first

look to the language of the statute itself to determine the legislative intent. ... If that inquiry reveals that the statute conveys a meaning which is clear, unequivocal and definite, at that point the interpretive effort is at an end and the statute must be applied accordingly. ' " Id. at 1365 (citing Provident Bank v. Wood, 36 Ohio St.2d 101, 105-06, 304 N.E.2d 378 (1973)).

The Sixth Circuit has also stated that in the absence of state authority, federal courts must be "guided by applicable principles of state law and by relevant decisions of other jurisdictions." Aims v. State Farm Fire & Casualty Co. , 731 F.2d 1245 (1984). The Supreme Court of Ohio has stated:

> This court has long held that statutes imposing restrictions on the use of private property must be strictly construed. ... All doubts should be resolved in favor of the free use of private property rather than in favor of restrictions on such use.
>
> Gennari v. Andres-Tucker Funeral Home, Inc. , 21 Ohio St. 3d 102, 488 N.E.2d 174, 177 (1986).

See also Pinnacle Woods Survival Game, Inc. v. Hambden Township Zoning Inspector, 33 Ohio App. 3d 139, 514 N.E.2d 906, 908 (1986) (stating that "[s]tatutes or ordinances which impose restrictions upon the use of private property will be strictly construed and their scope cannot be extended to include limitations not therein clearly proscribed") ; and Cicerella, Inc. v. Jerusalem Township Bd. of Zoning Appeals, 59 Ohio App. 2d 31, 392 N.E.2d 574, 577 (1978) (stating that "[i]n determining the permitted use of property under a zoning

Classification in which terms and language therein are not otherwise defined, the common and ordinary meaning of these terms and language must be considered, liberally construing the terms and language in favor of the permitted use so as not to extend the restrictions to any limitation of use not therein clearly prescribed").

The plain language of the (sect.) 1143.11(b) allows for two methods of measuring antenna height. An antenna may either be measured from its base to its top, or from the uppermost point at which it is attached to a building to its top. As long as either of these measurements is shorter than the distance from the base of the antenna to the nearest adjoining property line , there is no violation of the ordinance. Plaintiff's thirty foot antenna will be attached to the building at a height of twelve feet and will be between twenty-seven and thirty feet from the nearest adjoining property line. Since there is no violation of the ordinance as drafted this court need not examine the question of preemption.

The court now turns to the possible preemption of (sect.) 1333.02.(3) In issuing PRB-l, the FCC attempted to reach an Accommodation between the federal interest in regulating amateur radio operators and the state interest in regulating

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(3) The court will not consider plaintiff's challenge of (sect.)1331.01. Since plaintiff appealed the decision of the Commissioner, he was properly before the Board regardless of the filing of a protest under (sect.) 1331.01.

land use. PRB-l describes the conflict as follows:

> Few matters coming before us present such a clear dichotomy of viewpoint as does the instant issue. The cities, counties, local communities and housing associations see an obligation to all of their citizens and try to address their concerns. This is accomplished through regulations, ordinances or covenants oriented toward the health, safety and general welfare of those they regulate. At the opposite pole are the individual amateur operators and their support groups who are troubled by local regulations which may inhibit the use of amateur stations or, in some instances ,totally preclude amateur communications.
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The court concludes that (sect.) 1333.02 is not facially invalid since it provides a sufficient structure for balancing state and federal interests as required by PRB-l. By its

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The court concludes, however, that the City of Rocky River did not apply the ordinance in such a way as to provide for the reasonable accommodation of amateur radio communications, and therefore, its ability to apply (sect.) 1333.02 as it did in this action is preempted by PRB-l.

It is only too clear from the depositions of Building commissioner Beirne and Gordon Stofer, a member of the Board of Zoning and Building Appeals, that neither the Commissioner, nor the Board had more than a cursory understanding of PRB-l and its requirements. Despite this, the City's actions might still be held legitimate if the decision making process included a reasonable accommodation of the federal government ' s interest in amateur radio communications. Evidence of such an accommodation, however, is totally lacking.

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The applicability of qualified immunity turns on the "objective legal reasonableness" of the government official's action "assessed in light of the legal rules that were clearly established' at the time it was taken. " Id. (citations omitted). "On summary judgement, the judge appropriately may

determine, not only the currently applicable law, but whether that law was clearly established at the time an action occurred. If the law at that time was not clearly established, an official could not reasonably be expected to anticipate subsequent legal developments, nor could he fairly be said to know' that the law forbade conduct not previously identified as unlawful." Harlow v. Fitzgerald, 457 U.S. 800, 818 (1982) (footnote omitted).

As noted previously, the case at hand turns largely on the extent to which PRB-l preempts enforcement of the local ordinances in question. While PRB-l indicated that local regulations "must be crafted to accommodate reasonably amateur communications, and to represent the minimum practicable regulation, " it also refused to "specify any particular height limitation below which a local government may not regulate" and declined to "suggest the precise language that must be contained in local ordinances." 50 Fed. Reg. at 38816.

In light of this vague language, the court holds that Plaintiff's rights under PRB-l were not sufficiently clear that a reasonable government official should have known that enforcement of the ordinances in question would be violative of those rights. The conduct of the Commissioner and the members of the Board is held to be objectively reasonable, thus entitling them to qualified immunity from damages.

Plaintiff is instructed to submit a brief within twenty days of the entry of this order detailing the grounds and

Basis for any further claims for monetary damages. Defendant may respond within ten days thereafter.

IV. CONCLUSION

Accordingly, Defendant's motion for summary judgement is GRANTED to the extent that (sect.) 1333. 02 and 1143. 10 (b) are held to be facially valid, and the Commissioner and members of the Board are found to have qualified immunity from damages. Plaintiff's motion for summary judgement is GRANTED to the extent that the process employed by the City in denying his application to erect his antenna is declared invalid.

IT IS SO ORDERED.

Frank J. Battisti
United States District Judge

From 4471427590188197640
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93a86cc15580a5f2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 07:00:22 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!abvax!iccgcc!macmillan
From: macmillan@iccgcc.decnet.ab.com
Newsgroups: rec.ham-radio
Subject: repost of second court order / wa8zhn
Message-ID: <2702.278846b6@iccgcc.decnet.ab.com>
Date: 7 Jan 91 15:00:22 GMT
Lines: 274

reposted for those who missed it first time and my difficulty
in E-MAILing to some addresses / wa8zhn

This file place on this network by: WA8ZHN
J.D. MacMILLAN (Jim)

2760 Gibson Dr.
Rocky River, OH 44116-3009
(216) 333-2235 evenings
(unless you like phone machines)

My Attorney is Bob Winston / W2THU who has his office in Cleveland, OH and can be reached at (216) 771-3314. He is an A.R.R.L. volunteer consul.

The material herein is my own and in noway associated with my employer, etc.

__...   ...__

FILED NOV 13 PM 4:39
CLERK U.S. DISTRICT COURT
NORTHERN OHIO DISTRICT
CLEVELAND

UNITED STATES DISTRICT COURT
NORTHERN DISTRICT OF OHIO
EASTERN DIVISION

JAMES D. MACMILLAN,) 1:87 CV 2820
)
Plaintiff,)
)
vs -) ORDER
)
CITY OF ROCKY RIVER, et al.,) -----
)
Defendants.)

Battisti, J.

On September 21, 1990, an order was issued addressing the parties cross motions for summary judgment in the instant case. The court ruled that the Rocky River municipal ordinances in question were facially valid, but as applied were preempted by PRB-1, an FCC regulation. In so ruling, the court declined to reach the constitutional issues raised by the Plaintiff, James D. MacMillan. Plaintiff was left to seek his amateur radio antenna permit under the codified Rocky River procedures, and Defendants were instructed that future decision making in this area must include "a reasonable accommodation of the federal government's interest in amateur communications," as expressed in PRB-1.

With the issue of the ordinances' validity addressed, all that remained for consideration was the plaintiff's request for damages. Accordingly, the parties were requested to brief any remaining claims for damages. (1)

Since Plaintiff's subsequent brief raised only the issue of attorneys fees under 42 U.S.C. sec. 1988, the court assumes that this is the only issue remaining for disposition.

Section 1988 states, in pertinent part:

> In any section or proceeding to enforce a provision of sections 1981, 1982, 1983, 1985, and 1986 of this title, title IX of Public Law 92-318, or title VI of the Civil Rights Act of 1964, the court, in its discretion, may allow the prevailing party, other than the United States, a reasonable attorney's fee as part of the costs.

The Plaintiff claims that although the court did not rule on any of his constitutional claims, he is entitled to attorney's fees as discussed in Maher V. Gagne, 448 U.S. 122, 130-32 (1980).

Although Maher explores the intended scope of sec. 1988, Seaway Drive-In, Inc. v. Township of Clay, 791 F.2d 447 (6th Cir.1986), cert. denied 479 U.S. 884 (1987), is more relevant to the present inquiry. Seaway Drive-In explains the Sixth Circuit's application of Maher, as well as, the Supreme Court's later holdings in Smith v. Robinson, 468 U.S. 992 (1984), and Hensley v. Eckerhart, 461 U.S. 424 (1983).

In Seaway Drive-In, the Plaintiff challenged a town ordinance that regulated drive-ins. 791 F.2d at 449. A preliminary injunction and eventual consent decree were based upon state law claims, obviating the need for the district court to consider the plaintiff's constitutional challenges Id. The district court declined to award the sec. 1988 attorney's fees and the court of appeals reversed. Id. at 455. Seaway Drive-In is analogous to the instant case in which the court did not reach the Plaintiff's constitutional challenges due to the presence of a dispositive non-fee claim.

---

(1) The court has held that the Defendants were entitled to qualified immunity with regard to the claims against them in their individual capacity.

The Seaway Drive-In court began its analysis by citing the following passage from Maher.

> The legislative history [of sec. 1988] makes it clear that Congress intended fees to be awarded where a pendant constitutional claim is involved, even if the statutory claim on which the plaintiff prevailed is one for which fees cannot be awarded under the act. The report of the Committee on the Judiciary of the House of Representatives accompanying H.R. 15460, a bill substantially identical to the Senate bill that was finally enacted, stated:
>
>> To the extent a plaintiff joins a claim under one of the statutes enumerated in H.R. 15460 with a claim that does not allow attorney fees, that plaintiff, if it prevails on the non-fee claim, is entitled to a determination on the other claim for the purpose of awarding fees.
>>
>> Morales v. Haines,486 F.2d 880 (7th Cir. 1973). In some instances, however,the claim with fees may involve a constitutional question which the courts are reluctant to resolve if the non-constitutional claim is dispositive.
>>
>> Hagens v. Lavine, 415 U.S. 528 [94 S.Ct. 1372, 39 L.Ed.2d] (1974). In such cases, if the claim for which fees may be awarded meets the 'substantiality' test, see Hagans v. Lavine, supra; United Mine Workers v Gibbs, 383 U.S. 715 [86 S.Ct. 1130, 16 L.Ed.2d 218] (1966), attorney's fees may be allowed even though the court declines to enter judgment for the plaintiff on that claim, so long as the plaintiff prevails on the non-fee claim arising out of a 'common nucleus of operative fact.' United Mine Workers v. Gibbs, supra, at 725 [86 S.Ct. at 1138]. H.R.Rep. No. 94-1558, p. 4, n. 7 (1976).

448 U.S. at 132, n. 15 (cited at 791 F.2d at 451). The court equated the test laid out in the legislative

history -- i.e. the requirements that the fee claim be substantial and that the fee and non-fee claims arise out of a common nucleus of operative -- with that used to determine whether a court has pendent jurisdiction over state law claims. Seaway Drive-In, 791 F.2d at 452. In addition, it held that the district court had erred in basing its substantiality determination on whether the fee claims could survive a motion for summary judgment at the time of the consent decree. Id. Under the proper substantiality test, a claim is only "insubstantial if it is `obviously without merit' or if `its unsoundness so clearly results from the previous decisions of [the Supreme Court] as to foreclose the subject and leave no room for the inference that the question sought to be raised can be the subject of controversy, '" Id. (Citing Hagans, 415 U.S. at 537).(2)

Based upon the sixth Circuit's construction of the Maher test, this court finds that Plaintiff's constitutional claims were both substantial and arising out of a nucleus of

---

(2) Further the court stated that " [t]he claim must be `so insubstantial, implausible, foreclosed by prior decisions of [the Supreme Court] or otherwise completely devoid of merit as not to involve a federal controversy within the jurisdiction of the District Court, whatever may be the ultimate resolution of the federal issues on the merits.' " Seaway Drive-In, Inc. v. Township of Clay, 791 F.2d 447, 452 (6th Cir. 1986), cert. denied 479 U.S. 884 (1987), (citing Hagans v. Lavine, 415 U.S. 528, 543 (1974)).

operative fact common to both the fee and non-fee claims.(3)

Finally, the Defendants make the unfounded claim that the plaintiff is not a prevailing party. The plaintiff is considered to have prevailed if there is "some actual benefit to the plaintiff either in terms of monetary damages, injunctive relief or a voluntary change in defendant's conduct. " Wooldridge v Marlene Industries Corp., 898 F.2d 1169, 1174 (6th Cir. 1990).

Plaintiff's claims all involved a challenge to the review process to which he was subjected. The court determined that the process was flawed, but only reached

---

(3) The Defendants raise Smith v. Robinson, 468 U.S. 992 (1984), as a basis for denying attorney's fees. The Sixth Circuit addressed both Smith and Hensley v. Eckerhart, 461 U.S. 424 (1983), in Seaway Drive-In, Inc. v. Township of Clay, 791 F.2d 447, 453-55 (6th Cir. 1986), cert. denied 479 U.S.

884 (1987).

Smith involved plaintiff seeking district court review of an adverse agency ruling on numerous non-fee grounds. The only fee claim was a due process attack on the administrative proceedings themselves. The due process claim sought only to prevent further state hearings under the challenged regulation. The Court's holding, therefore, that a fee award was inappropriate was based on the fact that "the due process claim and the substantive claim on which plaintiffs ultimately prevailed involved entirely separate legal theories and, more important, would have warranted entirely different relief. " Smith, 468 U.S. at 1015.

The Sixth circuit viewed Hensley as reaching a similar holding. "Hensley makes clear that the purpose of the 'relationship between the claims' element or the fees award test is to prevent the award of fees in those cases where the fees and non-fee claims ar aimed at achieving different results or where they are based on different facts and different legal theories." Seaway Drive-In, 791 F.2d at 455.

Neither of these cases is analogous to the instant case. The constitutional claims in this case arose from the same local review process. In addition, the relief available in each was substantially similar.

Plaintiff'spreemption claim. plaintiff has, therefore, succeeded in obtaining a new hearing in which the federal interest in amateur radio operation is to be seriously considered. This should lead to a hearing process which is substantially different from plaintiff's last hearing.

Defendants make the alarming allegation that the new review "is consistent with and is not a material alteration of previous consideration of PRB-l by ROCKY RIVER. " This statement is followed by a Citations to the transcript of the prior review which indicates that PRB-l and technical data were submitted for consideration. The Defendants ought not to think that they will comply with this court's order by merely going through the motions or denying Mr. MacMillan another permit. Any decision to disregard the federal interest raised in PRB-l must be based upon substantial justification end explained in the record. Defendants should keep in mind that after this litigation it may be more difficult to support a claim for qualified immunity if they once again fail to sufficiently consider the federal interests involved.

Plaintiff's motion for sec. 1988 attorney's fees is GRANTED. Plaintiff is instructed to submit a reasonable accounting of his fees in this case within thirty days of the issuance of this order.

IT IS SO ORDERED.

Frank J. Battisti.
United States District Judge

```
From 6093471055338897320
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edd01e93322652ed,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 07:01:16 PST
Path: gmdzi!unido!mcsun!uunet!bonnie.concordia.ca!thunder.mcrcim.mcgill.edu!
snorkelwacker.mit.edu!hsdndev!wuarchive!cs.utexas.edu!news-
server.csri.toronto.edu!utgpu!attcan!lsuc!canrem![greg_trice@canrem.uucp]
From: greg_trice@canrem.uucp (greg trice)
Newsgroups: rec.ham-radio
Subject: homebrewing
Message-ID: <19917.799.7009@canrem.uucp>
Date: 7 Jan 91 15:01:16 GMT
Reply-To: "greg trice" <greg_trice@canrem.uucp>
Organization: Canada Remote Systems
Lines: 37
```

All this endless debate about CW is getting pointless. Amateur radio will not change one way or the other whether there is a CW requirement or not. What has changed it, almost beyond recognition, is the near-extinction of home building of equipment. When I was first licensed in 1963, most hams I knew had built at least one major piece of equipment. My interest was primarily in designing and building electronic gear, and my interest in the communications side was limited to testing out the things I had built, and discussing the technicalities with others. As the hobby got more and more oriented to appliance operators I soon found there was nobody to talk to any more, and finally in 1981 I let my license lapse, though I was last on the air in 1977.

Towards the end, even attempting a QSO became an unpleasant experience, with the growth of channelization, FM and repeaters (which IMHO do not have anything to do with the true spirit of Amateur Radio) on 2 meters and I found my SSB signal decidedly unwanted. When the same thing started happening to 70cm, I decided to quit.

Today's appliance operators totally miss the joy of communicating with somebody using the fruits of one's own endeavor. I will never forget the first time I went on 2 meters using a receiver and transmitter built entirely out of parts recovered from scrap TVs - 1 watt of AM, but it worked! 70cm and 23cm soon followed, then SSB, RTTY and TV. None of the equiment I ever used was factory built for amateur use. Most was home built and the rest was heavily modified military surplus.

What I'd really like to see is some licensing incentive to use homebrew equipment. Perhaps choice frequencies where commercial equipment is banned (but how would you enforce it?) Or a new grade of license to get which you had to show competence in design and construction of a useful piece of ham equipment.

Anybody else have any suggestions?
--
Canada Remote Systems. Toronto, Ontario
NorthAmeriNet Host

From -5769117256100047996
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5fc35e3604be978e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,5fc35e3604be978e
X-Google-Attributes: gid114aac,public
X-Google-Thread: 105d97,5fc35e3604be978e
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-01-07 07:09:56 PST
Xref: utzoo rec.radio.shortwave:4765 rec.ham-radio:29344 sci.electronics:16755
Path: utzoo!utgpu!news-server.csri.toronto.edu!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!mips!pacbell.com!att!cbnewsl!moss!feg
From: feg@moss.ATT.COM (Forrest Gehrke,2C-119,7239,ATTBL)
Newsgroups: rec.radio.shortwave,rec.ham-radio,sci.electronics
Subject: Re: Ground Plane for my CB antenna
Message-ID: <1991Jan7.150956.480@cbnewsl.att.com>
Date: 7 Jan 91 15:09:56 GMT
References: <B12yu1w163w@ozonebbs.UUCP> <1990Dec31.232808.18508@athena.cs.uga.edu> <1991Jan3.140815.20900@cbnewsl.att.com> <4576@sactoh0.SAC.CA.US>
Sender: @cbnewsl.att.com
Reply-To: feg@moss.ATT.COM (Forrest Gehrke)
Distribution: na
Organization: AT&T Bell Laboratories
Lines: 48

In article <4576@sactoh0.SAC.CA.US> jre@sactoh0.SAC.CA.US (Jim Earl) writes:
>In article <1991Jan3.140815.20900@cbnewsl.att.com>, feg@moss.ATT.COM (Forrest Gehrke,2C-119,7239,ATTBL) writes:
>
>> BTW, the proper configuration is an upright quarter wave element
>> and quarter wave length radials. Since in this case the radials
>> are tuned, they must be exactly quarter wave length.
>>
>> Forrest Gehrke feg@dodger.att.com   k2bt
>
>I believe that the statement about the radials being the same
>length as the vertical element is incorrect. The ground radials
>should be 10% *longer* than the vertical element. If you are
>building a 1/4-wave ground plane for 27 mHz, the length of the
>vertical element should be around 108". That makes the radials

>come in around 119". I'm no expert, but that is what I seem to
>remember reading about them.
>
>I also seem to remember something about making sure the radials
>are "drooping" at a 45-degree angle, because that makes the ground
>plane closer to the desired 50-ohm impedance.
>--

Incorrect? That depends upon the objective. First of all, making
these radials longer than a 1/4 wave will introduce reactance
and generally screw up the radiation pattern.
Would you advocate making a dipole with one side longer than
the other?

Drooping the radials and adding to their length will raise the
impedance of the vertical from approx. 37 ohms.
The downside is a higher takeoff angle--which seems to me to
be counter-productive, particularly since the SWR caused by
a 37 ohm load on 50 ohm coax is trivial. (Another instance
of the obsession so many hams have with SWR, carried to the
point of shooting themselves in the foot).

Actually, with only 4 tuned radials, a plot of the vertical
angle radiation of this antenna will look like a scalloped
candy dish, with the best (i.e. lowest) angle occurring
over each radial. Ideally, one would want a solid disk,
but it can be approached quite closely by attaching a
circular peripheral wire to the ends of the radials.

This is why top hats on shortened verticals, so treated,
have to be only half the diameter to achieve the same
capacitance effect.

Forrest Gehrke k2bt   feg@dodger.att.com

From -6989846859908976581
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,365eb08b6efb6ad6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 08:09:41 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!usc!zaphod.mps.ohio-state.edu!
sdd.hp.com!hplabs!hpcc05!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: Scanner Frequencies ...
Message-ID: <27080047@col.hp.com>
Date: 7 Jan 91 16:09:41 GMT
References: <91003.180747RVY2@psuvm.psu.edu>
Organization: HP Colorado Springs Division
Lines: 4

Many Radio Shack stores can provide a list of local scanner frequencies

as either a free service or for nominal cost. They also carry regional
frquency directories which contain frequencies for public services, such
as, police, fire, ambulances, etc.

From 5532606056496970933
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 08:18:57 PST
Path: gmdzi!unido!mcsun!ukc!axion!uzi-9mm.fulcrum.bt.co.uk!beta.its.bt.co.uk!jvt
From: jvt@its.bt.co.uk (John Trickey)
Newsgroups: rec.ham-radio
Subject: Re: Rigs for beginners? (Was Re: Comments needed...)
Message-ID: <*{X^HF@uzi-9mm.fulcrum.bt.co.uk>
Date: 7 Jan 91 16:18:57 GMT
References: <9101031728.AA15712@ucsd.edu> <5490111@hpscdc.scd.hp.com>
<2992@ux.acs.umn.edu>
Sender: news@fulcrum.bt.co.uk (News with an UZI)
Organization: BT Applied Systems, Birmingham, UK
Lines: 46

In article <2992@ux.acs.umn.edu> spexet@ux.acs.umn.edu (D. Robert Spexet II)
writes:
>
>What I am interested in is this: Which rigs, besides the wealth of fine
>quality used equipment out there, would be good ones for a beginning ham?
>
>I expect my first license to arrive in a few weeks, and I am wondering which
>of the commercial rigs (that is, stuff from Yaesu, Icom, Kenwood, etc.) would
>be a good starting rig for myself, in the event that I decide not to go for
>used equipment.
>
>I myself am interested in any comments that you people may have on Icom's
>725, 726, and 735 models. How is the performance on these beasts? How easy
>are they to use? Things like that.
>
>I'd love to hear anything that you all may have to say on this.

This is almost an impossible question to answer as it is down to a
matter of personal preference. I would recommend starting cheap but
with something that will have a good resale value. The reason is that
at present you do not know what you want from a rig & you need time
to make up your mind. Taking the cheap option will not give you
the best performance but it will certainly teach you about what to
look for in your next rig. I would also add that simplicity is
essential. All the bells & whistles on modern rigs are enough to
make even the most hardened technocrat squirm!

If you were in the UK I would advise you to visit your local emporium
and try the equipment (ours are usually very helpful) and join
your local club - the members may even let you try their station. I
don't know if its the same over there but its worth a try.

I started with a Heath SB101 (similar to the Yaesu 101). It was
a very basic rig that would tx & rx but had no frills (not even RIT).
It sure taught me and when I went to buy my current rig (now 8 years old)
I knew just what I wanted from it and hence the decision was only
between the equipment that came up to that mark. BTW rig is FT102 and
I have **no** plans to change it.

Hope this helps.
73,
John

--
John Trickey <jvt@its.bt.co.uk> || ..!mcsun!ukc!axion!its
              G4REV @ GB7SUT   Voice: +44 21 333 3369
#include <std/disclaimer>

From 2121936379646884533
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea5c6ad8072235f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 09:00:09 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!hellgate.utah.edu!uplherc!esunix!datwyler
From: datwyler@esunix.UUCP (Doug Datwyler)
Newsgroups: rec.ham-radio
Subject: Re: DSP for the non-EE
Summary: TI data books also contain some math, and are slanted to TI product.
      Please don't let this discourage you.
Message-ID: <2277@esunix.UUCP>
Date: 7 Jan 91 17:00:09 GMT
References: <9101041315.AA00038@rtp40.dg.com>
Organization: Evans & Sutherland, Salt Lake City, Utah
Lines: 14

Of note is the TI applications books are good, but as I see it (I
reference them on ocassion), they are showing good examples, but
without some background that may be necessary. This is, of
course, mathematically based. Also, some of the math is there,
but may be without an explanation close by. Of course, my view is
biased, because I have a slight weakness in math (but I am trying
to recover).

--
Douglas L. Datwyler, WR7O
Evans and Sutherland
600 Komas Drive
Salt Lake City, UT 84108   (801)582-5847

From 4817124164986674485

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,190ffb7ee4c3a4ca
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 09:15:20 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!root
From: root@n8emr.UUCP (Root)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1980@n8emr.UUCP>
Date: 7 Jan 91 17:15:20 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 23

From n8emr!KB8NW Mon Jan 7 05:45:17 1991
Return-Path: <n8emr!KB8NW>
Message-Id: <m0isu8F-0000pJC@n8emr.uucp>
[Date: Mon, 7 Jan 91 05:33 EST
[To: <ALL@ARRL>
R:910103/0235z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:90 Z:43232
R:910103/0231z @:W8CQK Columbus, OH #:9086 Z:43229
R:910102/1812 @:WB8BII.OH.USA.NA Cuyahoga Falls, OH #:16863 Z:44223

ZCZC AG66
QST DE W1AW
ARRL BULLETIN 1 ARLB001
FROM ARRL HEADQUARTERS NEWINGTON CT
JANUARY 2, 1991
RELAYED BY KB8NW/OBS & BARF-80 BBS
TO ALL RADIO AMATEURS

On December 19th, 1990, FCC granted an ARRL request for extension of the Special Temporary Authority, 7230-J, which allows specific amateur stations to use automatic control when transmitting certain digital communications below 29.7 MHz. The FCC extension of the STA is one year.

From -7294658391839240057
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,87e10248d7d7a180,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 09:16:49 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!LONEX.RADC.AF.MIL!szarekw
From: szarekw@LONEX.RADC.AF.MIL (William J. Szarek)
Newsgroups: rec.ham-radio
Subject: twisted mic cord
Message-ID: <9101071444.AA18101@lonexc.radc.af.mil>
Date: 7 Jan 91 14:44:23 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet

Lines: 19

Ok, Some will find this hard to believe but here it goes.

I used to get mad when my mic cord got twisted, till i found out why.

They get kinky and twisted when you twist them. People are creatures of habit and by picking up the mike, talking, and putting it back down the same way every time, some of us will undoubtedly put a twist in the cord each time. when this reaches a certain point there appears a reverse turn in the coil. I have learned to watch how I pick up/ put down my mic and no longer have this problem.

Of course I don't pick up a mic that often and don't have to deal with such trivial annoiances as kinky cords because I'm a CW op. I suppose the rest of you inferior non-cw types would never be able to unkink your cords (or anything else for that matter) with out members of our super-race around.
:-) :-) :-) :-) :-) :-) :-) :-) :-) :-) :-) :-) :-) :-) :-) :-) :-) :-)

buzz
wm1w

From -3445636361171820536
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edebead629420b05,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,edebead629420b05,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1991-01-07 10:15:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!rex!uflorida!gatech!udel!masters
From: masters@freezer.it.udel.edu (paul masters)
Newsgroups: rec.ham-radio,rec.ham-radio.swap
Subject: Delaware junk
Message-ID: <40943@nigel.ee.udel.edu>
Date: 7 Jan 91 15:34:13 GMT
Sender: usenet@ee.udel.edu
Followup-To: rec.ham-radio
Organization: University of Delaware -- ACIT Sun Lab
Lines: 16
Xref: gmdzi rec.ham-radio:18877 rec.ham-radio.swap:901
Nntp-Posting-Host: toffee.it.udel.edu

Any one out there know of iny scrap yards that might have electronic parts in Wilmington, DE. I am most interested in power transformers, and capaciters. A place where old TVs go to die would do verry well.

I am also interested in any information about catgalogues that contain specification data for PLL chips and other RF ICs. This documentation is very hard to find here in Wilmington.

Paul

--
I will not waste chalk..I will not skateboard down the halls..I will not
burp in class..I will not instigate revolution..I will not draw naked ladies
.....I will not program brahms.udel.edu to murder itself....
Paul Masters N3IRU (The ham license arived 12/04/90)

From 4604042140130643331
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17e278fa2b084223
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 10:15:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!interlan.InterLan.COM!interlan.interlan.com!yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: off the deep end
Message-ID: <YETSKO.91Jan7101332@interlan.interlan.com>
Date: 7 Jan 91 15:13:32 GMT
References: <25454@ucsd.Edu> <25463@ucsd.Edu>
<YETSKO.91Jan2113840@interlan.interlan.com> <349@adept.UUCP>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 33
In-reply-to: alan@adept.UUCP's message of 4 Jan 91 06:32:45 GMT

I say ASSININE because it will have little or no effect for what they think.

Actually, it has a great effect, that of removing from a position in the HAM radio structure where they and their negative attitude could have far-reaching impact (very negative in my opinion) on new HAMs coming into the hobby.

I know a LOT of people on both sides of the issue. I personally am in favor of what the FCC has done, but I have 2 friends who are VERY adamant about being against it, even in the original ARRL proposal. But even now, we all agree that the damage is NOT from what the FCC has done, or even what the proposed new HAMs may or may not do, but from the people who will not accept what has been done, and by their actions could polarize a whole new infux of individuals against the existing individuals.

It may take time, but eventually the new techs will be a major force in HAM radio. They may take YEARS to get to doeble digit percentages. I personally feel that there will be a major influx, then a steady stream so that in 5 years there will be at LEAST 10% of the HAM ranks that got into it with the no-code entry. To try to brand these people as outsiders is ASSININE!!! I'll say it again, ASSININE!!!! If this is treated right, I see a LOT of the new no-code techs viewing HF as an ENHANCEMENT to their license, not as the place of refuge of the old farts who fought their entry. Play this up as positive, and there will be positive entry of these new techs into HF and advanced licenses. Play this as negative, and it will start a 'turf war' that eventually by sheer numbers the HF will be taken over by people who feel it is "us" vs "them", and they will push through and dominate HAM radio, with an attitude you may not like.

Mike Yetsko
N1DVJ

From -89959165316413596
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3dd5b3f0d1faf6f7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 10:18:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!udel!masters
From: masters@freezer.it.udel.edu (paul masters)
Newsgroups: rec.ham-radio
Subject: Re: ARRL RECONSIDERATION?
Message-ID: <40945@nigel.ee.udel.edu>
Date: 7 Jan 91 15:48:27 GMT
References: <958.27835538@w8grt.fidonet.org>
<1991Jan4.041908.8308@yenta.alb.nm.us>
Sender: usenet@ee.udel.edu
Organization: University of Delaware -- ACIT Sun Lab
Lines: 10
Nntp-Posting-Host: toffee.it.udel.edu

I like what the FCC has done just fine. With any luck, this move will relieve some of the HF crowding.

Paul

--
I will not waste chalk..I will not skateboard down the halls..I will not
burp in class..I will not instigate revolution..I will not draw naked ladies
.....I will not program brahms.udel.edu to murder itself....
Paul Masters N3IRU (The ham license arived 12/04/90)

From -3052159972770412487
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a75cab6f4f6a3fb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 10:20:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!bloom-beacon!deccrl!news.crl.dec.com!pa.dec.com!shlump.nac.dec.com!koning.enet.dec.com
From: koning@koning.enet.dec.com (Paul Koning)
Newsgroups: rec.ham-radio
Subject: Re: Biographical References on Yagi of Antenna Fame ??
Message-ID: <18733@shlump.nac.dec.com>

```
Date: 7 Jan 91 15:27:47 GMT
References: <35211@netnews.upenn.edu> <5490110@hpscdc.scd.hp.com>
Sender: newsdaemon@shlump.nac.dec.com
Reply-To: koning@koning.enet.dec.com
Organization: Digital Equipment Co., distributed systems architecture
Lines: 6

For a brief discussion that explains both the contributions of Uda
(the main inventor) and Yagi (the coauthor), see Kraus, "Antennas",
second edition.  Actually, the first edition probably has it too;
but all I have is the second.

     paul


From 1034844970532739429
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 10:20:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!udel!
masters
From: masters@freezer.it.udel.edu (paul masters)
Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Message-ID: <40948@nigel.ee.udel.edu>
Date: 7 Jan 91 15:52:50 GMT
References: <708@ssc.UUCP> <637@chiton.ucsd.edu> <1991Jan4.002853.9051@NCoast.ORG>
Sender: usenet@ee.udel.edu
Organization: University of Delaware -- ACIT Sun Lab
Lines: 17
Nntp-Posting-Host: toffee.it.udel.edu

In article <1991Jan4.002853.9051@NCoast.ORG> allbery@ncoast.ORG (Brandon S.
Allbery KB8JRR) writes:
>As quoted from <637@chiton.ucsd.edu> by rec@chiton.ucsd.edu (Richard Currier):
>+---------------
>| deeper into the CW bands on RF and to push CW out entirely. After CW goes...
                               ^^

It might me kind of neet to see some one do it with out being on RF ;-].

                   Paul




--
I will not waste chalk..I will not skateboard down the halls..I will not
burp in class..I will not instigate revolution..I will not draw naked ladies
.....I will not program brahms.udel.edu to murder itself....
      Paul Masters N3IRU (The ham license arived 12/04/90)
```

From 6569612509130339793
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5326a0215d89ad6f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 10:27:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!hpmclc!hpmcpgr!greg
From: greg@hpmcpgr.hp.com (Gregg Robinson)
Newsgroups: rec.ham-radio
Subject: Expired license
Message-ID: <1991Jan07.154543.25707@hpmclc.mcm.hp.com>
Date: 7 Jan 91 15:45:43 GMT
Sender: news@hpmclc.mcm.hp.com (News Administrator)
Reply-To: greg@hpmcpgr.hp.com (Gregg Robinson)
Organization: Hewlett-Packard Company
Lines: 44

Please help..

The other night as I was "twisting the knobs" I got to thinking that my 10
years was about up since I got my Advanced ticket. Draging out my license
I was horrified to find my ticket expired in July of 1987. After picking myself
up off the floor I started to find out what I needed to do. A few calls
to friends
did not help, so the next day I went to the local ham store (50 miles away)
They told me I was past the 2 year grace period and would have to retest,
starting at novice. They then sold me $27 dollars worth of books, including
"THE FCC Rule Book" by the ARRL (8th edition, copyright 1989).

After some reading in the above FCC Rule Book I found in chapter 4 page 4-6

License Terms

"Licenses are normally good for ten years. If you have a license
good for the old
five-year term" (mine was) ", a grace period of five years is
allowed should you
forget to renew. After two years of the grace period has passed, you
will lose your
call sign and will be assigned a new one.
If you have a new 10-year-term license" (mine was not) ", issued
since January
1984, the grace period for reinststement is two years."

I then looked in the back of the book where part 97 is printed and found
no mention
of the 5 year grace period for 5 year licenses. It only talked said
renewal may be made
during a 2 year grace period.

Does anyone know who I can call to find out for sure. I don't want to
apply for renewal

and wait for 3 months to find out from the FCC that I have to retest.

ANY IDEAS?
PLEASE.

Gregg Robinson ex (sob-sob) KA7MDM
HEWLETT PACKARD McMinnville Div
McMinnville Or.   503-472-5101 ext 214   home 503-472-5940

From -2002383484702905256
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1f1b7f49a0782107
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c9e3,200f7ec04cfa08bf,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,200f7ec04cfa08bf,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-07 11:24:24 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!snorkelwacker.mit.edu!usc!julius.cs.uiuc.edu!wuarchive!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: ICOM email address
Keywords: K7RIE
Message-ID: <741@ssc.UUCP>
Date: 7 Jan 91 06:37:07 GMT
Organization: very little
Lines: 26
Xref: gmdzi rec.ham-radio:18883 rec.radio.shortwave:3348

As items concerning ICOM have been posted to the net (like complaints or customer service anecdotes) I have been passing them on to Bill Everett, K7RIE of ICOM. I can't recall Bill's job there, but he is a higher up manager in their Bellevue facility.

Bill is not on usenet, but has a Compuserve address that is accessable from the net. For a long time Bill was unable to reply to usenet messages, but the kinks seem to have been worked out.

For anyone who has a problem with any ICOM product or service that they feel they have been unable to resolve otherwise, or if you would just like to bend Bill's ear concerning just about anything, his email address is:

76702.737@compuserve.com

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089

MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 1608074849884980498
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5fc35e3604be978e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 11:32:55 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: Ground Plane for my CB antenna
Message-ID: <18230059@hpfcdj.HP.COM>
Date: 7 Jan 91 19:32:55 GMT
References: <B12yu1w163w@ozonebbs.UUCP>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 40

>I believe that the statement about the radials being the same
>length as the vertical element is incorrect. The ground radials
>should be 10% *longer* than the vertical element. If you are
>building a 1/4-wave ground plane for 27 mHz, the length of the
>vertical element should be around 108". That makes the radials
>come in around 119". I'm no expert, but that is what I seem to
>remember reading about them.
>
>I also seem to remember something about making sure the radials
>are "drooping" at a 45-degree angle, because that makes the ground
>plane closer to the desired 50-ohm impedance.

This depends more than a little, I believe, on whether or not the radials
do indeed "droop." A quarter-wave vertical antenna works just fine against
an *infinite* ground plane, if said plane is flat and orthogonal to the
radiating element. So any length in excess of 1/4 wavelength should work,
and we see that ground-mounted verticals require no radials whatsoever,
assuming that the local ground (in the sense of the earth itself) is good
enough. However, once the "ground plane" starts to "droop away" from the
end of the vertical element, the thing starts to look less and less like the
theoretical 1/4-wave vertical, and more and more like a half-wave dipole.
Think of the radials drooping from 90 deg. to the vertical down to 0 deg. (in
line with the vertical element); as this "droop" progresses, the feedpoint
impedance will increase from the vertical's 37 ohms up to the dipole's 73,
and the length of the "bottom element" (the radials, which all come together
when you get to zero degrees) becomes more and more critical. Obviously,
it damn well better be 1/4-wave when you get to zero and the thing becomes
a vertical dipole!

By the way, a ground-mounted vertical is an excellent long distance antenna
because of the "infinite" ground plane; the radiation pattern is that of

a dipole on end, meaning that the strongest radiation is a zero degrees from horizontal - straight out to the horizon! The higher the frequency, though, the more difficult it is to make sure that a ground-mounted antenna isn't swallowed up in local clutter.

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
myers@fc.hp.com                          |  sentient life-form on this planet.
```

From 2084002225154894848
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29b4a11527361cbc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 12:52:55 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <1250322@hpnmdla.HP.COM>
Date: 7 Jan 91 20:52:55 GMT
References: <1991Jan6.204033.19970@informix.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 13

In rec.ham-radio, mcovingt@athena.cs.uga.edu (Michael A. Covington) writes:

>When people complain about Radio Shack sales staff, I am reminded of the
>fact that if you had to be an engineer to work at a Radio Shack,
>Radio Shacks would be few and far between.

I wouldn't mind if store employees ADMITTED it when they don't know something. I went to buy a telephone answering machine recently (Good Guys, I think) and was informed by the salesman that the machine operates on a frequency of 49 kHz. I heard another salesman tell someone else that no one can listen into their brand of cordless phone because of its digitally-encoded ringer.

AL N1AL

From 5905725026186809 20
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,238af632b3663c04,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 13:10:28 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!XEROX.COM!Paul_Adler.NER-OSM
From: Paul_Adler.NER-OSM@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Moving up from a J38 Key
Message-ID: <".7-Jan-91.11:38:56.EST".*.Paul_Adler.NER-OSM@Xerox.com>

Date: 7 Jan 91 16:38:56 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4

I have been using a J38 Key for many years. A few months ago I got a new
Kenwood TS-950SD, which has a built in Electronic Keyer. Can anyone suggest
keyer paddles, advantages of each vendor, etc.
73 Paul KW1L

From -2795913504759816963
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64ebb1df5ba2dda2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 14:22:47 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!shelby!unix!synoptics!jkaidor
From: jkaidor@synoptics.COM (Jerome Kaidor)
Newsgroups: rec.ham-radio
Subject: Re: Non-acidic RTV
Message-ID: <22140@mvis1.com>
Date: 7 Jan 91 22:22:47 GMT
References: <07.Jan.91.14:07:15.GMT.#7519@UK.AC.NWL.IA> <299@nachos.SSESCO.com>
Organization: SynOptics Communications Inc. Mountain View, Ca.
Lines: 38

In article <299@nachos.SSESCO.com> elmquist@nachos.SSESCO.com (Chris Elmquist) writes:
>In article <07.Jan.91.14:07:15.GMT.#7519@UK.AC.NWL.IA> PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon") writes:
>
>   [some stuff about the Comet antenna deleted]
>
>>using 1Kv silver-mica capacitors of higher quality, and slathered the whole
>>feedpoint in non-acidic RTV rubber to keep out what passes for weather
>   ^^^^^^^^^^^^^^^^^^^^^
>
>Hey! Where can you get this stuff...? seems most all of the RTV available
>to the consumer (at your favorite hardware store...) is acidic. Does
>anyone have a manufacturer or source for some...?
>
>>   Pete Lucas PJML@UK.AC.NWL.IA G6WBJ@GB7SDN.GBR.EU
>
   Non-acidic silicone can be got at your local aquarium supply store.
Just don't have a heart attack when you see the price. There are also
"advanced" car repair-gasket silicones that are non-acidic.
Apparently this is required for continued health of oxygen sensors....
       - Jerry Kaidor

Another good way to keep out the weather is "COAX SEAL", which is
sold at your local Radio Shack....

     - Jerry Kaidor, KF6VB

From 4494336623259682731
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29b4a11527361cbc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a44e666417fc387e,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-07 14:26:34 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!maverick.ksu.ksu.edu!zaphod.mps.ohio-state.edu!usc!apple!agate!shelby!unix!synoptics!jkaidor
From: jkaidor@synoptics.COM (Jerome Kaidor)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio Shack bashing
Message-ID: <22141@mvis1.com>
Date: 7 Jan 91 22:26:34 GMT
References: <1991Jan6.204033.19970@informix.com> <41aFV2w163w@phoenix.com>
Followup-To: rec.radio.shortwave
Organization: SynOptics Communications Inc. Mountain View, Ca.
Lines: 18
Xref: gmdzi rec.radio.shortwave:3470 rec.ham-radio:19239

In article <41aFV2w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
>
>   I have never had a K-Mart, Sears, etc, salesperson refuse to make a
>cash sale to me. I HAVE had Radio Shack people refuse CASH. Why? Because
>I wouldn't give them my name and address. No, cash being waved in their
>face is NOT sufficient to buy something from Radio Shack.
>
>> RS's policy on refunds and warranties is also quite
>> beneficial to the customer, particularly if you complain to the district
>> manager. RS will bend over backwards if you yell loud enough.
>
>   I complain VERY loudly whenever they refuse to accept a cash
>transaction. Has anything changed? Ha!

Of course, they don't ask for I.D. when they get all that info....

- Jerry Kaidor, KF6VB (AKA Flipskwa Foombottle)

From 3536297143391403548
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcbff86ae533bc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 15:25:57 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: New License
Message-ID: <7880400@hpfcdc.HP.COM>
Date: 7 Jan 91 23:25:57 GMT
References: <LoNuu1w163w@phoenix.com>
Organization: HP Fort Collins, Co.
Lines: 21

>> ...will have to memorize the frequencies allocated to Novices and other
>> CW-related questions in order to pass element 2.

> ...a major point of the exams should be where one can and cannot
> transmit, and what type of signals are allowed in which subbands. After
> all, it is CRITICAL for any operators to know the rules...

Humph. Rules, yes. Numbers, no. I trust more an operator who knows where to look when in unfamiliar territory, than one who memorizes frequencies, modes, and power limits and trusts their memory.

I'd like all those silly frequency and mode questions to be replaced with ones like: How wide is a typical 2-meter voice channel width? (15KHz) Where do you look to find the current legal (FCC) band allocations and power limits? Where do you look to find the conventions for band plans?

As with CW, my experience in recently becoming a ham was that I had to memorize a lot of information I rapidly lost, due to lack of use. The time would have been better spent learning theory and practice, getting a "feel" for certain things.

From 4358776220289608008
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4915035fd5f8c3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 15:36:53 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Doing Crossword Puzzles in Ink
Message-ID: <7880401@hpfcdc.HP.COM>
Date: 7 Jan 91 23:36:53 GMT

References: <897.277FB484@w8grt.fidonet.org>
Organization: HP Fort Collins, Co.
Lines: 9

> How was relevance an issue for those who claimed that they CAN'T learn
> the code?

1. It was a requirement to get a license, even if they didn't want or need to use it. Disability learning it ==> no license.

2. Because it's possible to be a happy ham without using or remembering the code, knowing it was irrelevant (except for passing the now obsolete code test) to many prospective hams.

From 294101557226243609
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2bc5f2b849a7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 15:52:40 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: HELP with mike cord
Message-ID: <7880402@hpfcdc.HP.COM>
Date: 7 Jan 91 23:52:40 GMT
References: <010491.144024.enge@ibm.com>
Organization: HP Fort Collins, Co.
Lines: 9

> Of course, the straight one gets all kinky and twisted up and looks like
> the curly one after it gets all kinky and twisted up!

Amazing. This sounds like convergent evolution!

Perhaps one could make money selling "pre-kinked" mike and phone cords.

Seriously, I wish I had a solution too. It's another example of consumerism, I guess. It only has to look good to sell, not to use.

From -8978111257637357984
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,515303ac6dadd79e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 16:05:29 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!cs.utexas.edu!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: An Outside Viewpoint
Message-ID: <1991Jan7.014027.1914@NCoast.ORG>

Date: 7 Jan 91 01:40:27 GMT
References: <9012211713.AA00940@ucsd.edu> <7880396@hpfcdc.HP.COM>
<1929@ke4zv.UUCP>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 43

As quoted from <1929@ke4zv.UUCP> by gary@ke4zv.UUCP (Gary Coffman):
+---------------
| In article <7880396@hpfcdc.HP.COM> ajs@hpfcdc.HP.COM (Alan Silverstein) writes:
| >> HAM RADIO IS UNPOPULAR BECAUSE UNDERSTANDING TECHNOLOGY IS UNPOPULAR.
| >
| >Of course you can still play auto mechanic yourself if you want. You
| >can specialize and become technically proficient.
|
| This is what ham radio is supposed to be, playing radio mechanic. Applicance
| users have the cellular phone, CB, and commercial two way. Our charter is
+---------------

You both missed a point I made earlier in the message. Simply put, one need not necessarily have to wield a soldering iron to be "technologically proficient"; in fact, for such things as public service and emergency communications, technological proficiency lies in knowing how to best make use of radio "appliances", ham or otherwise, to facilitate efficient communications (who's going to homebrew radios on the spot to provide communications during a public event?).

There are many ways to "understand" radio technology, and all of them are relevant to ham radio and to society, and all are useful. But all of them are currently out of style, along with the many forms of understanding of the many other technologies that are used every day.

+---------------
| society. Most people take utilities for granted and have little curiosity
| as to how they work. Yet people take their toys very seriously and often
| go to great lengths in both time and money to master them. Bringing the
+---------------

I've heard and read computer experts discussing the possibility of video games based on a knowledge of computer hardware to help entice children to learn computer technology. (Say, a puzzle based on assembling logic components into (virtual) working devices.) This is the kind of thing that *we* should be considering, for the same reason.

++Brandon
--
Me: Brandon S. Allbery   VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG   Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR   AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery   Delphi: ALLBERY

From -5796592416996803450
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4894f133cff41a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 16:46:18 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: RF and the outer limits...
Message-ID: <7880403@hpfcdc.HP.COM>
Date: 8 Jan 91 00:46:18 GMT
References: <9012311443.AA29811@hermes.intel.com>
Organization: HP Fort Collins, Co.
Lines: 15

I'm thinking about SETI in reverse:

Suppose aliens were able to receive our RF. Further suppose that aliens advanced enough to find our RF are also smart enough to triangulate on our planet. Suppose they had the means to use this information for the purpose of military invasion. Further suppose that they've already suppressed their own RF emissions after realizing the possibility of this scenario.

My point is that SETI will only find cultures like our own. The more primitive ones will not have developed RF transmitters, and the more advanced ones will have suppressed their inter-planetary radiations. It's a small window - maybe only 200 years for each culture.

Perry

From -4957044519708269352
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79253954a608b32c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 18:35:05 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: Recommendations Needed: Cable through Window
Message-ID: <1991Jan8.023505.26431@NCoast.ORG>
Date: 8 Jan 91 02:35:05 GMT
References: <34245.2787533D@stjhmc.fidonet.org>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 26

As quoted from <34245.2787533D@stjhmc.fidonet.org> by ddodell@stjhmc.fidonet.org (David Dodell):

+---------------
| I would like to bring the lead of my packet setup (RG-8U) through the window
| at my home on a semi-permenant basis. However my wife, is leary of leaving
+---------------

People with full-size patio doors have a similar problem even if they don't leave the doors unlatched/open. The usual solution is to cut a piece of wood (3/4" dowel rod, for example) to the size that just fits between the sliding part of the door and the doorframe. A similar trick is often used with windows.

In your case, you would close the window against the coax (remember not to close it too tightly, or you may affect the impedance of the coax!) and cut the dowel to fit that. You may also want to cut another piece to fit vertically to block the gap left above (or below) the coax... especially if your area likes to get cold, as it does here in NE Ohio. This is basically what I did to run cable outside my apartment to the antennas; landlords are even less happy about people drilling holes in walls than wives are.

++Brandon
--
Me: Brandon S. Allbery   VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG   Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR   AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery   Delphi: ALLBERY

From -8676939103731654428
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ccd94040315cfee1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 19:11:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Radio Shack Bashing
Message-ID: <9101080311.AA17119@tilde>
Date: 8 Jan 91 03:11:22 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13

I agree with Randall Rhea about Radio Shack bashing. I've used RS stuff frequently, and I usually get what I pay for. When I go there, I know what I want and don't need to have the stuff explained to me. If I want high quality stuff and knowledgeable salespeople, I find other sources.

I've traded at RS for many years under this philosophy, and haven't been disappointed yet.

73,
Dube   N5PDK

PS: I have never worked for RS, nor do I have any financial interest in the company.

```
From 2150646192474317818
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79253954a608b32c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 19:38:45 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!cs.umn.edu!kksys!edgar!tanstaafl!barry
From: barry@tanstaafl!edgar.Mn.Org (barry)
Newsgroups: rec.ham-radio
Subject: Re: Recommendations Needed: Cable through Window
Message-ID: <aZRFV1w163w@tanstaafl!edgar.Mn.Org>
Date: 8 Jan 91 03:38:45 GMT
References: <34245.2787533D@stjhmc.fidonet.org>
Organization: Admin., Luna City, _Just a stone's throw from Earth_
Lines: 41
```

ddodell@stjhmc.fidonet.org (David Dodell) writes:

> However my wife, [...] is not thrilled on having me drill holes
> through the wall.

After our house was on the market for a long time, and I got tired of having to live my life to please a lot of people I didn't know, I came up with this solution. My windows are Casement windows, that is they crank out and are a rectangle with the long sides vertical. The window consists of a movable pane and a fixed pane. I went outside, and removed the screws holding the fixed pane and its frame to the window casement (their Anderson Windows BTW) I then replaced the window section with a sandwich of two pieces of 1/2 inch marine plywood, with foam insulation between the sheets. There was a little room, which I filled by drilling a small hole on the inside piece, and shooting in that Great Stuff Foam. I then applied a bead of silicone sealant to the joint between the window casement and the outside piece of plywood. A few minutes with a paint brush and the same paint as the rest of the trim, and I now have a piece of the house that I can drill through, and my XYL doesn't mind. I use the wall tubes that Radio Shack sells, and after the coax is run through I shoot in some more great stuff to keep the cold and little friends from entering the house.

I works just fine, and the room is actually warmer because the section I added has a much higher R Value than the glass -- This is Minnesota, land of 10,000 degrees below zero, you know. When I want the window back, its just remove 4 screws, put back the the glass part with 4 screws, and a little dab of silicon sealant, and TADA! a civilian window.

BTW I do not have any connection with the brands of home repair products, its just what my local home store carries.

- -
Barry Berg UUCP: barry@tanstaafl.edgar.mn.org
-- Too much of the world is run on the theory you don't need road
manners if you are a five-ton truck. --

#include <std.disclaimer>
-30- {sometimes older ;-) }

From -6457726443168715073
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64ebb1df5ba2dda2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 20:50:11 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: Non-acidic RTV
Message-ID: <301@bongo.UUCP>
Date: 8 Jan 91 04:50:11 GMT
References: <07.Jan.91.14:07:15.GMT.#7519@UK.AC.NWL.IA> <299@nachos.SSESCO.com>
Reply-To: julian@bongo.info.com (Julian Macassey)
Organization: Blind Skeet Shooters Hollywood California U.S.A.
Lines: 30
Summary:
Expires:
Sender:
Followup-To:

In article <299@nachos.SSESCO.com> elmquist@nachos.SSESCO.com (Chris Elmquist) writes:
>In article <07.Jan.91.14:07:15.GMT.#7519@UK.AC.NWL.IA> PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon") writes:
>
> [some stuff about the Comet antenna deleted]
>
>>using 1Kv silver-mica capacitors of higher quality, and slathered the whole
>>feedpoint in non-acidic RTV rubber to keep out what passes for weather
> ^^^^^^^^^^^^^^^^^^^^^
>
>Hey! Where can you get this stuff...? seems most all of the RTV available
>to the consumer (at your favorite hardware store...) is acidic. Does
>anyone have a manufacturer or source for some...?
>

You can not get this stuff at yer local ironmongers. But electronic supply houses - the places that sell manufacturers their rolls of solder, liters of flux etc. Check the yellow pages or call the purchasing agent at a nearby electronics factory.

There are tons of different Silicone compounds used in the electronics biz. Some are used for semiconductor manufacturing, some for conformal coating etc. But you need the stuff that is the same as regular RTV but lacks the Acetic Acid. This stuff is called "Dow Corning Silastic 738 RTV non-corrosive adhesive/sealant".

This stuff takes longer to cure than the regular stuff.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@N6YN (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

```
From -8367239993556l5139
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 04:09:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!agate!
shelby!csli!kawai
From: kawai@csli.Stanford.EDU (goh kawai - n6uok)
Newsgroups: rec.ham-radio
Subject: Re: Rigs for beginners? (Was Re: Comments needed...)
Message-ID: <17069@csli.Stanford.EDU>
Date: 7 Jan 91 17:21:28 GMT
References: <9101031728.AA15712@ucsd.edu> <5490111@hpscdc.scd.hp.com>
<2992@ux.acs.umn.edu>
Organization: speech research and technology, sri international
Lines: 60
```

D. Robert Spexet II (spexet@ux.acs.umn.edu) asks:

>Which rigs ... would be good ones for a beginning ham? ... I myself
>am interested in any comments that you people may have on Icom's 725,
>726, and 735 models.

My mother, JR1MNI, has an Icom IC-725 (the one without 6 meter coverage). The only problem she has had with it was parasitic oscillation, which she cured with a bunch of toroidal cores. The IC-725 is a reasonably priced, reliable, easy to use HF transceiver. I can vouch for the transmitting audio; she sounds just like herself on the SM-10 microphone. Very clean signal, too.

I use an IC-760 at my club station. The IC-725 is, in some areas, actually easier to use than the more expensive IC-760. The IC-725 has what Icom calls "band stacking registers" -- this means if you change bands, say from 10 meters to 15 meters, and you change back, say to 10 meters again, you get the same frequency you were using last time you were on that band. The IC-760 always goes to a particular frequency on the band. So you can tell that more expensive machines aren't always nicer. (Icom fixed this problem in their upgraded IC-765.)

The major drawback of the IC-725 and other entry level transceivers is lack of filters. If you are into contesting or chasing rare stations, then you will probably want filters to reduce QRM. High quality filters are not necessary at all for casual rag-chewing; so long as you go to a sparsely populated section of the band (in my case, the high end of 15 meters), there's no QRM to worry about in the first place, so there's no need for filters. As a matter of fact, since filters distort the audio and never really get rid of interference anyway, it's a much better idea to escape the crowd and settle down in a quiet spot if you can.

Other shortcomings include lack of speech processor (which I have vowed never to use again after a deeply embarrassing incident), lack of internal CW keyer (but you can buy these for around $50), lack of internal power supply, and an array of optional equipment that you would like to have but adds to the overall price. The power supply and other options are something you should consider. Take the IC-725. You need a 13.8 VDC power supply capable of somewhere over 22 A. You probably want to provide power to other equipment, so you buy a power supply with a 30 A rating, maybe. That adds to the price. And so does the AM transmit and FM transceive circuit board (10 meter FM is a lot of fun) and a narrow CW filter (a must for easy copy). All this stuff is included in more expensive rigs, so when you really compare prices, the overall difference isn't as large as you might think. Entry level transceivers are still cheaper, however, and make good sense to buy.

If you are primarily interested in 6 meters and you want HF coverage as an option, the IC-726 may not be a good choice as other rigs. The IC-726 has lower power on 6 meters than it does below 10 meters. You may want to consider the Yaesu FT-650 that covers 12 thru 6 meters. I would not buy the Kenwood TS-680, because as far as 6 meter operation goes it is basically the same as the Icom IC-726, and the IC-726 is much easier to use.

My final word on this issue is this: compared to entry level transceivers, expensive rigs are better on receive, but more or less the same on transmit. Microphones make more difference on transmit than does the rig itself.

```
----------------- speech technology and research, sri, menlo park, california
--- Goh Kawai --- work:(415)859-2231   fax:(415)859-6171   home:(415)964-1782
----------------- internet: kawai@speech.sri.com      radio: n6uok and 7l1fqe
```

From -2869295033641O9217
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8ae3dcbc90f47923
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 04:25:14 PST
Path: gmdzi!unido!mcsun!uunet!pmafire!
From: jeffl@servprod.inel.gov (Jeff Later)
Newsgroups: rec.ham-radio
Subject: Re: HTs and Die Hard
Message-ID: <1991Jan07.160309.2769@pmafire.inel.gov>
Date: 7 Jan 91 16:03:09 GMT
References: <1991Jan3.222913.19968@ux1.cso.uiuc.edu> <GXV^~Y%@rpi.edu> <1991Jan5.010639.16541@Neon.Stanford.EDU>
Sender: J.B. Later
Organization: WINCO
Lines: 17

In article <1991Jan5.010639.16541@Neon.Stanford.EDU> kaufman@Neon.Stanford.EDU (Marc T. Kaufman) writes:
>In article <GXV^~Y%@rpi.edu> luigi@aix02.aix.rpi.edu (John L Luigi Giasi) writes:
>-The things these HTs did were... shall we suffice to
>-say.... slightly unrealistic...
>Marc Kaufman (kaufman@Neon.stanford.edu)

RE:Die Hard HT's

Incredible and unlimited features aside, what I want to know is where Hollywood buys BATTERYS for their super HT's, and where can I buy these seemingly inexhaustible cells for my HTs??

J.B. Later (jeffl@pmafire.inel.gov)(opinions are my own and not......)

From 1323196186148492413
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 04:58:34 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: ARRL on the net (was Re: ARRL reply)
Message-ID: <421@ultrix.uhasun.hartford.edu>
Date: 7 Jan 91 15:47:24 GMT
References: <9012301924.AA29750@umail.UMD.EDU> <5987@qip.UUCP>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 39

> And, Jon Bloom, be expecting Dave Sumner to be asking you about usenet!
> I hope you can convince him that a presence here would be "A Good Thing".
> (I hope that their presence here *would* be "A Good Thing"! :-)

He did ask. The difficulty with getting on the net has to do with economics. Specifically, we can't afford to install a full-up LAN to communicate internally. But I'm working on putting together a low-cost homebrew LAN which will make it a bit easier.

Right now, we have a four-station LAN running and have a mail gateway (via uucp) to the University of Hartford. You can send mail to the following individuals via this mechanism:

Jon Bloom, KE3Z   jbloom@arrlhq.UUCP
   Laboratory Supervisor

Ed Hare, KA1CV   ehare@arrlhq.UUCP
   Laboratory Engineer

Dave Newkirk, WJ1Z dnewkirk@arrlhq.UUCP
   QST Assistant Technical Editor

Rus Healy, NJ2L   rhealy@arrlhq.UUCP
   QST Assistant Technical Editor

At present, these are the ONLY people who can receive mail via this route. We anticipate expanding the LAN in the near future, and I'll keep the net posted. At present, only email is supported--the LAN users can't read or post to rec.ham-radio. I hope to support news soon too.

You can continue to use 2155052@mcimail.com to send mail to others at ARRL HQ.

--
```
Jon Bloom, KE3Z                              | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu         |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

From -2625539879187226894
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cfc6d084add8872
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 06:43:55 PST
Path: gmdzi!unido!mcsun!uunet!samsung!caen!math.lsa.umich.edu!spsd4330a.erim.org!hideg
From: hideg@spsd4330a.erim.org (Steve Hideg (Mr. Fabulous))
Newsgroups: rec.ham-radio
Subject: Re: A few new questions
Message-ID: <1991Jan7.181142.6677@math.lsa.umich.edu>
Date: 7 Jan 91 18:11:42 GMT
Sender: usenet@math.lsa.umich.edu
Organization: ERIM
Lines: 22
References:<53@bootsie.UUCP> <18230054@hpfcdj.HP.COM>

In article <18230054@hpfcdj.HP.COM> myers@hpfcdj.HP.COM (Bob Myers) writes:
> a Tech
> could use such a machine, as the Tech was transmitting only in a band for
> which he or she was licensed, and so was the repeater (the "privileges" of
> the repeater being derived from those of its licensee (and/or control op?)).
> This is just like you as a Tech talking to someone via my station with me
> (an Advanced) at the controls; your license class doesn't matter, it's mine
> as station licensee and operator which determines whether we're legal or not.
> (Or else non-hams would never be allowed at the mike!)
>
> Or am I completely wrong about all this?

>

You are correct.

The Technician is not (and cannot be) the control operator of the 2m/10m repeater, but s/he can transmit on the 2m side.

Steve Hideg N8HSC

hideg@spsd4330a.erim.org

From -6682395982658234170
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f74ee1b8b194289,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 06:53:50 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpfcso!jayk
From: jayk@hpfcso.HP.COM (Jay Kesterson)
Newsgroups: rec.ham-radio
Subject: Re: Afghan Anarchy
Message-ID: <7500081@hpfcso.HP.COM>
Date: 8 Jan 91 14:53:50 GMT
References: <8521@gollum.twg.com>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 14

For what its worth:

I saw a note posted on the local Packet Cluster last night. It stated that YA0RR was moving to a new QTH closer to the Russian border and it would take 1 to 3 days to get back on the air. It said it was hoped this would make for a smoother operation, even though he it being protected? by the army (doesn't sound too good to me). He may still have to use the indoor dipole at the new QTH.

Not sure if this is any better than the rest or the rumors.

Good hunting,

Jay K0GU

From -7045131699538569548
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e815f8d5dd6d7024
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 07:09:44 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio

Subject: Re: 3CX800 amp(s)
Message-ID: <1934@ke4zv.UUCP>
Date: 7 Jan 91 15:49:07 GMT
References: <1001.27872078@w8grt.fidonet.org>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 33

In article <1001.27872078@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>
>I read a terrific Eimac application pamphlet about 30 years ago describing an
>amplifier design in which the chassis was at screen voltage potential and the
>screen grids were "grounded" directly to the chassis at the socket pin,
>eliminating (reducing) parasitic oscillation problems do to resonance in the
>screen bypassing components.

The great advantage of this approach, from Eimac's point of view, is that it sells a lot of tubes. Modern power tetrodes can't tolerate even momentary excess screen current. Some method of near instantly opening the screen circuit is essential to the survival of these tubes. Even overcurrent relays are often too slow to save the tube. Also, if you lose plate voltage for even an instant before dropping screen voltage while the tube is under drive, bye bye tube. The best circuits I've seen for screen protection use a programmable switching supply with very small capacitors that is turned on and off by system controls including overcurrent sensing and power sequencing. Even this is tricky because some power tetrodes normally run with a slight negative screen grid current so your supply needs to be able to serve as either a sink or source of current while maintaining a stiff screen voltage.

The simplest circuit derives screen voltage from the plate supply via a high value dropping resistor that doubles as a current limiter, with a shunt regulator, either gas or solid state, that sets the screen voltage. This is practically fool proof. If the regulator fails though, you'd better have good plate overcurrent protection too. Of couse the plate circuit can stand a lot more overloading before causing permanent damage to the tube so a dropout relay or even a fast fuse will do nicely. You can TR the amplifier by grounding the screen, a very good, fast method of TR. I've had a pair of 8890s running in this circuit for a couple of years with no problems.

Gary KE4ZV

From 8447285074788279413
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea5c6ad8072235f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 07:12:03 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!hellgate.utah.edu!uplherc!esunix!datwyler
From: datwyler@esunix.UUCP (Doug Datwyler)
Newsgroups: rec.ham-radio

Subject: Re: DSP for the non-EE
Summary: some DSP books that I have found interesting and useful.
Message-ID: <2278@esunix.UUCP>
Date: 8 Jan 91 15:12:03 GMT
References: <4520@lib.tmc.edu> <1250321@hpnmdla.HP.COM>
Organization: Evans & Sutherland, Salt Lake City, Utah
Lines: 55

In article <1250321@hpnmdla.HP.COM>, alanb@hpnmdla.HP.COM (Alan Bloom) writes:
> In rec.ham-radio, jmaynard@thesis1.hsch.utexas.edu (Jay Maynard) writes:
>

Stuff about how FIR filters work, and mention about software deleted.

The art of DSP does require some mathematics to understand. I have several references, some heavy with the mathematics (you could say they OOZE the stuff), and others are easier to get. Some are texts, some are applications notes. These are some of my favorites.

PC-DSP, by Otkay Alkin, Prentice-Hall, ISBN# 0-13-654450-9, includes a floppy disk, most likely a 3.5" IBM for this ISBN. Special ordered from the local University bookstore, $21. This is software used in some DSP courses around the U. S. It will, given your specification, aid in designing most of the filters I have seen mentioned in the literature .

Digital Signal Processing in VLSI, by Richard J. Higgins, Prentice-Hall, ISBN# 0-13-212887-X, available from your local Analog Devices rep, $38, though our rep is good to me and gave me mine. Analog Devices also publishes or copublishes several good references on analog electronics as well.

Discrete Time Signal Processing, by Alan V. Oppenheim and Ronald W. Schafer, Prentice-Hall, ISBN# 0-13-216292-X, also special ordered from the local University bookstore, $56. This is an update and amplification of the classic Digital Signal Processing by the same authors, which has been used as a University text and reference since 1975. Includes some new info that is mentioned often in some of the trade rags (EDN, Electronic Design, etc.). This book is very heavy mathematically, so beware.

TI has three applications books, available for a phone call at (800) 336-5236, extension 3528. Some of the math is discussed, but may be a little higher level. Routines for the TI TMS320 series processors is also given.

Motorola has also published some applications notes, pointed at their DSP56000 series processors. Our local rep provided a set to everyone at a recent day long seminar. In a couple of these

books, digital filters are designed from analog prototypes, which
may help several people who may have analog design experience.

--
Douglas L. Datwyler, WR7O
Evans and Sutherland
600 Komas Drive
Salt Lake City, UT 84108   (801)582-5847

From -8775395412260026718
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9013e12ed22e2231,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 07:12:58 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!
STLAWU.BITNET!MROWEN
From: MROWEN@STLAWU.BITNET (Mike Owen W9IP)
Newsgroups: rec.ham-radio
Subject: VHF Transverters
Message-ID: <9101071838.AA29247@ucsd.edu>
Date: 7 Jan 91 17:36:38 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: SAINT LAWRENCE UNIVERSITY
Lines: 8

ARR (Advanced Receiver Research) seels some very high quality
receiving converters for VHF. Unfortunately, they don't also
manufacture companion transmitting converters.

Does anyone know of commercially-available VHF transmitting
converter, either in the USA or imported?

Mike

From 1284295881105403530
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5326a0215d89ad6f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 07:18:27 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: Expired license
Message-ID: <1991Jan7.183312.4391@athena.cs.uga.edu>
Date: 7 Jan 91 18:33:12 GMT
References: <1991Jan07.154543.25707@hpmclc.mcm.hp.com>
Organization: University of Georgia, Athens
Lines: 4

If your license was issued less than 10 years ago it is still valid.
Some text was accidentally left out of the revised Part 97 and you may
have just found an instance of this. The FCC's intent was not to change
any license terms when they issued the revision.

From -5261396620127894034
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,27b1371f0bb0523,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 07:39:39 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!snorkelwacker.mit.edu!bloom-beacon!
eru!hagbard!sunic!lth.se!newsuser
From: d89mb@efd.lth.se (Magnus Bodin)
Newsgroups: rec.ham-radio
Subject: QRP CW TX, RX or TRX   WANTED!
Keywords: QRP, CW, TRX
Message-ID: <1991Jan7.183522.12094@lth.se>
Date: 7 Jan 91 18:35:22 GMT
Sender: newsuser@lth.se (LTH network news server)
Reply-To: d89mb@efd.lth.se (Magnus Bodin)
Organization: Institute of Tychology, Sweden
Lines: 39

I would like to build my own QRP-tranciever (or possible TX+RX) and I want
some construction advices.

I've read W1FB fine QRP notebook, and something in ARRL handbook, but
what I would like to have is a 40m-dedicated tranciever with 5W PEP and
a SWR/Wattmeter that shows 0-5 W in .1W steps... And an antenna-tuner..

Where do I find constructions for this? In QST? PLEASE tell me # and vol.

Will QRP ARCI have more information for me?

What does "The Joy of QRP" mainly contain? Can it be ordered via ARRL?

If someone has a HW-9-description to sell I will also be interested, but I
think it is too heavy for me.

What I'm looking for is a very-light-weight 1-band-only QRP-TRX that can
be carried while trekking in the Swedish mountains/Lappland.

Thanks.

Any reading suggestions in Radio Communication or QST will be appreciated..

Thanks,

Magnus SM7TUS

--
Magnus Bodin "Nec fasces, nec opes,
Institute of Tychology, sola artis sceptra perennant"
Box 5127, 220 05 Sweden (Tycho Brahe, Stj{rneborg 1584)

From -6937540937080794195
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4894f133cff41a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 08:34:46 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: RF and the outer limits...
Message-ID: <649@chiton.ucsd.edu>
Date: 7 Jan 91 19:13:55 GMT
References: <9012311443.AA29811@hermes.intel.com>
<1991Jan1.183915.10276@bellcore.bellcore.com> <211@platypus.uofs.edu>
<241@heimat.UUCP>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 19

In article <241@heimat.UUCP> dan@heimat.UUCP (Dan 'Sneakers' Schein) writes:
>
> Bill your reply was close to my thoughts. Except I figure they (ET's) don't
> want anything to do with a world so undeveloped they still use and fight
> over the need for CW.

Dan, haven't you noticed that the more advanced a civilization gets, the more restrictive is regulations become. Any highly evolved extra-terrestrial hams out there are going to have CCNR's, power restrictions, and band limitations that make ours look like freedom. The only mode they may be able to get out with is CW. So if you really want a chance for some ET QSO's you had better get that new Bencher key you have been drooling over! B--)

AA6PN

--
richard currier marine physical lab u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From 3086926211943522669
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,9090f92e1085ab35,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 09:04:50 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!pt.cs.cmu.edu!o.gp.cs.cmu.edu!andrew.cmu.edu!paul+
From: paul+@andrew.cmu.edu (Paul J. Dujmich)
Newsgroups: rec.ham-radio
Subject: TS-940S Question
Message-ID: <wbWB7Yy00UhW426ENe@andrew.cmu.edu>
Date: 7 Jan 91 19:54:12 GMT
Organization: Computing Systems, Carnegie Mellon, Pittsburgh, PA
Lines: 19

I just purchased a TS-940S last summer, and I just recently noticed
something strange about the VBT variable bandpass control in the cw mode.
When I turn the control fully CCW to the narrow position, I loose all
signals. At least, the signals are at least -60 db down at that point.
If I stay clock wise of the 12 oclock position the vbt works fine.
When I turn the vbt control to the most counter clockwise (narrow) position,
I seem to completely loose all signals. Is this normal for ALL TS-940's,
or does mine have a problem?

Also, when I switch in the kenwood narrow 500 Hz cw filter, the cw signals
are attenuated about 6db. Is this normal.
Any comments or suggestions would be greatly appreciated.
Please E-Mail to me direct at: pauld@fs1.ece.cmu.edu

Thanks

Paul Dujmich
WA3TLD
pauld@fs1.ece.cmu.edu

From 508087669489375645
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5326a0215d89ad6f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 09:15:02 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!sdd.hp.com!hp-pcd!hpmclc!hpmcpgr!greg
From: greg@hpmcpgr.hp.com (Gregg Robinson)
Newsgroups: rec.ham-radio
Subject: Re: Expired license
Message-ID: <1991Jan07.184011.26245@hpmclc.mcm.hp.com>
Date: 7 Jan 91 18:40:11 GMT
References: <1991Jan07.154543.25707@hpmclc.mcm.hp.com>
Sender: news@hpmclc.mcm.hp.com (News Administrator)
Reply-To: greg@hpmcpgr.hp.com (Gregg Robinson)
Organization: Hewlett-Packard Company
Lines: 59

In article <1991Jan07.154543.25707@hpmclc.mcm.hp.com>,

greg@hpmcpgr.hp.com (Gregg Robinson) writes:
> Please help..
>
> The other night as I was "twisting the knobs" I got to thinking that my 10
> years was about up since I got my Advanced ticket. Draging out my license
> I was horrified to find my ticket expired in July of 1987. After
picking myself
> up off the floor I started to find out what I needed to do. A few calls
> to friends
> did not help, so the next day I went to the local ham store (50 miles away)
> They told me I was past the 2 year grace period and would have to retest,
> starting at novice. They then sold me $27 dollars worth of books, including
> "THE FCC Rule Book" by the ARRL (8th edition, copyright 1989).
>
> After some reading in the above FCC Rule Book I found in chapter 4 page 4-6
>
>   License Terms
>
>
>   "Licenses are normally good for ten years. If you have a license
> good for the old
>   five-year term" (mine was) ", a grace period of five years is
> allowed should you
>   forget to renew. After two years of the grace period has passed, you
> will lose your
>   call sign and will be assigned a new one.
>   If you have a new 10-year-term license" (mine was not) ", issued
> since January
>   1984, the grace period for reinststement is two years."
>
> I then looked in the back of the book where part 97 is printed and found
> no mention
> of the 5 year grace period for 5 year licenses. It only talked said
> renewal may be made
> during a 2 year grace period.
>
> Does anyone know who I can call to find out for sure. I don't want to
> apply for renewal
> and wait for 3 months to find out from the FCC that I have to retest.
>
> ANY IDEAS?
> PLEASE.
>
> Gregg Robinson ex (sob-sob) KA7MDM
> HEWLETT PACKARD McMinnville Div
> McMinnville Or.   503-472-5101 ext 214   home 503-472-5940

I talked to the VEC at ARRL and he told me I could renew my license but
would lose my call sign. I then called the Consumer Assistance Branch of
the FCC (717-337-1212) and was told the same thing (and they
were very friendly and polite also!!!) . The 5 year license has a 5
year grace
period the 10 year has a 2 year grace period.

PLEASE CHECK YOUR LICENSE NOW!!!!
Thanks to all

Gregg Robinson ex KA7MDM soon I hope to be AA7??

From -7754987734172764795
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88a0e58d08c1b1f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 09:41:54 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!uwvax!midway!midway.uchicago.edu!pbhx
From: pbhx@midway.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: Re: new technician license
Message-ID: <1991Jan7.202203.5183@midway.uchicago.edu>
Date: 7 Jan 91 20:22:03 GMT
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 12
References:<989.2785C6CD@w8grt.fidonet.org> <763@wells.UUCP> <22473@well.sf.ca.us>

In article <22473@well.sf.ca.us> tenney@well.sf.ca.us (Glenn S. Tenney) writes:

> A friend is an active ARRL VE in the San Jose area. He
> says that they were told (and yesterday did) to take
> 2 and 3A tests now, and hold the 610 submittal until
> the 15th.

That is also what they are doing here in Chicago.

Peter B. Hayward   WX9T
University of Chicago Computing Organizations

From 2585793559936455072
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f74ee1b8b194289
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-08 09:56:01 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!mips!twg.com!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: Afghan Anarchy
Message-ID: <8521@gollum.twg.com>
Date: 7 Jan 91 20:36:04 GMT
Sender: news@twg.com
Organization: The Wollongong Group, Palo Alto, CA
Lines: 13
Posted: Mon Jan 7 14:36:04 1991

I heard from JA1NUT this morning that the REAL YA0RR finally showed up this morning sometime after 0400Z (7 January) on 10 CW. Sin said he bagged it, and the JA's were having an easy time edging the Euros out. The rumor floating around the west coast--attributed to VK9NS--is that they're only running 30 watts into an indoor antenna. Have any of you east coast people spotted them yet? Our best guess here is that the window is going to be 0230Z to at most 0430Z, probably on 20. At least, that's where all of our UI and UJ spots have been for the last couple of weeks. But there wasn't a trace of them last night. Any respectable rumors would be appreciated. I've been glued to 14020 for a week now, and even the slims and pirates seem to be getting worn down!

```
All together now:  .._  .__.   .._ .__.  where's he listening?   .._  .__.
                   what's his call?   .._ .__.   burrrrrp!
```

From -5068577831657770842
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15f24baaed0fb4cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 12:36:18 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!mips!kochab!rnovak
From: rnovak@mips.COM (Robert E. Novak)
Newsgroups: rec.ham-radio
Subject: Re: AutoPatch Phone Bills
Message-ID: <44512@mips.mips.COM>
Date: 4 Jan 91 19:44:44 GMT
References: <9101041736.AA04775@ucsd.edu>
Sender: news@mips.COM
Reply-To: rnovak@mips.COM (Robert E. Novak)
Organization: MIPS Computer Systems, Sunnyvale, CA
Lines: 40

This isn't much help, but I seem to recall that Michigan Bell just shut down a BBS system using similar logic. They seem to be the most aggressive in this area. All of us that use our phones for multiple purposes need to watch this very carefully. I have 4 phone lines into my house, Voice, FAX, my modem and the XYL's modem. They are all for personal use and I would hate to see the phone company start charging business rates.

In article <9101041736.AA04775@ucsd.edu> lwrclmr@SACEMNET.AF.MIL ("LWRCLMR") writes:
>I seem to recall discussion here before regarding phone rates for ham
>autopatches/repeater control. We recently had a problem where our phone line
>of the past six years was disconnected due to a mix-up when we changed mailing
>addresses. Now the phone company insists we have a business line for our
>repeater instead of the residential line we had for the past six years. When
>we griped, they said we were lucky they didn't charge us back fees for having
>the wrong service. To keep the fees down to the cheapest line available, we
>had to get measured service where we pay 8.2 cents per call and 17.50 line
>charge per month. We also have to pay $4.00 to NOT have a Yellow Pages
>listing! We also have a rotary line to save $4 per month.
>Our service is through Michigan Bell, and Ameritech Company, so it's not one of

```
>those fly-by-night outfits.
>
>Does any one have any sugestions or experiences in beating this?  We would
>appreciate any help any one may be able to offer.
>
>Please E-mail if possible, as I have a hard time finding time to read all the
>newsgroups.
>
>Thank you and 73,
>Michael WA7SKG
>
>LWRCLMR@SACEMNET.AF.MIL
>scxc3@tincan-sawyer.af.mil
>sharkey!lopez!mabarnes
>906-346-2811



--
Robert E. Novak                     Mail Stop 5-10, MIPS Computer Systems, Inc.
{ames,decwrl,pyramid}!mips!rnovak      950 DeGuigne Drive, Sunnyvale, CA  94086
rnovak@mips.COM        (rnovak%mips.COM@ames.arc.nasa.gov)      +1 408 524-7183


From -6745217386068753357
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e815f8d5dd6d7024
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 12:49:08 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: 3CX800 amp(s)
Message-ID: <7880399@hpfcdc.HP.COM>
Date: 4 Jan 91 20:49:08 GMT
References: <9101011426.AA16935@ucsd.edu>
Organization: HP Fort Collins, Co.
Lines: 24

>I want to build a couple of VHF power amplifiers using the
>3CX800 triode.
>Is it OK to just connect each amplifier's B+, B-,
>and chassis grounds together?  Actually, the real question is
>what will happen to cathode-current metering?

I've built the 2KV supply, with grid and screen supplies for a multiple
4CX250B HF amplifier.  My strategy is to connect B-, chassis, and
electrical ground together.  I'm using some sockets that allow me to
insert metering resistors between the chassis and cathode.  Keep the
metering resistor and bypass cap leads short if you're doing VHF.  I
drive the plate and screen transformer from the same point, so plate is
guaranteed whenever screen is available.  (Thanks for the tip, Gary, I
think I'll just let the main fuse do the work, and not fuse B+)
```

>I gotta admit, triodes in grounded-grid baffle me.

You and me both. After reading the ARRL Handbook's 4CX250B 2m amplifier
article, it appears the GG's biggest advantage is that it lowers stage
gain, making self-oscillation less likely. With careful design, you can
use common-cathode, and get outrageous power gains. I've taken up the
gauntlet and chosen the latter.

Perry Scott / KF0CA

From -8852207674111750326
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 12:51:31 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!unixhub!shelby!paulf@shasta.Stanford.EDU
From: paulf@shasta.Stanford.EDU (paulf)
Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Message-ID: <52@shasta.Stanford.EDU>
Date: 4 Jan 91 17:21:41 GMT
References: <637@chiton.ucsd.edu> <25476@ucsd.Edu> <731@ssc.UUCP>
Organization: The Three Packeteers
Lines: 14

In article <731@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>Anyone else noticed the steady march of unattended HF packet robots
>marching down into the "RTTY" subbands?

Yes. I choose to Think of it as Evolution in Action.

;-)

Actually, both AMTOR and packet seem to be growing explosively. 14050-14100
is full of stuff during the evenings and weekends.   You can expect further
downward growth in the future...

```
-=Paul Flaherty, N9FZX      | Without KILL files,
->paulf@shasta.Stanford.EDU | life itself would be impossible.
```

From 7006868764012607312
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea5c6ad8072235f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 12:51:40 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!unixhub!shelby!paulf@shasta.Stanford.EDU
From: paulf@shasta.Stanford.EDU (paulf)
Newsgroups: rec.ham-radio
Subject: Re: DSP for the non-EE
Message-ID: <54@shasta.Stanford.EDU>
Date: 4 Jan 91 17:34:00 GMT

References: <27080045@col.hp.com> <2269@esunix.UUCP> <4520@lib.tmc.edu>
Organization: The Three Packeteers
Lines: 7

From a mathematical standpoint, DSP is simpler than analog design, since the former requires only series expansions, while the latter really requires calculus. So, if you want to become proficient in DSP, break out that old precalc textbook, and look over series expansions.

-=Paul Flaherty, N9FZX | Without KILL files,
->paulf@shasta.Stanford.EDU | life itself would be impossible.

From 7597708489121260812
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2f9772e51b0ea7cf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 12:56:55 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sol.ctr.columbia.edu!cica!bronze!silver!anachem
From: anachem@silver.ucs.indiana.edu (|mehcana| (undersampled))
Newsgroups: rec.ham-radio
Subject: Re: DSP file #1
Message-ID: <1991Jan4.195535.19524@bronze.ucs.indiana.edu>
Date: 4 Jan 91 19:55:35 GMT
References: <55@shasta.Stanford.EDU>
Sender: news@bronze.ucs.indiana.edu (USENET News System)
Organization: Indiana University, Bloomington
Lines: 1
Posted: Fri Jan 4 13:55:35 1991

see "From:" field re: Nyquist sampling rate

From -7256962878827760545
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2bc5f2b849a7d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 12:58:08 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!pacbell.com!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: HELP with mike cord
Message-ID: <9101041936.AA20598@tilde>
Date: 4 Jan 91 19:36:04 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18

<medin@cod.NOSC.MIL (Ted Medin)> writes:

> Well the flames of code/nocode ... are rising higher. So how about something

>more practical.
> Ever noticed how that nice curly mike cord gets strange turns in it after
>a while. Well i have tried all sorts of things to restore it to its original
>shape with little success. So anyone have the key to this?

Good thinking! The issue is destined to take care of itself. Now, to more
serious matters: Best way to keep curly-cords to retain their "shape" is to
not exercise them :)   Don't stretch 'em and don't let 'em hang down. Yeah,
I know; then why have one? Well, so you can stretch 'em I guess. Anyway, the
question was asked, and there's my answer.

73,
Dube   N5PDK

"Why waste time learning, when ignorance is instantaneous?" -Hobbes

From 1488008856812658997
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1879fced249724a0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 13:18:57 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!hplsla!
charlier
From: charlier@hplsla.HP.COM (Charlie Panek)
Newsgroups: rec.ham-radio
Subject: Re: Looking for qsl address for u2mir
Message-ID: <5720091@hplsla.HP.COM>
Date: 3 Jan 91 23:55:32 GMT
References: <1264@kb2ear.UUCP>
Organization: HP Lake Stevens, WA
Lines: 25

```
>/ hplsla:rec.ham-radio / winter@Apple.COM (Patty Winter) writes:
>In article <1264@kb2ear.UUCP> n2aam@kb2ear.UUCP (Dave Marthouse N2AAM) writes:
>>
>>The other morning I worked u2mir on 2 meters. Does anyone in netland know
>>the qsl address?
>
>
>From the latest AMSAT bulletins:
>
>    UA6HZ is handling QSLs for both U2MIR and U9MIR.  The address
>    is:  Valery Agabekov, UA6HZ, Box 1, 375600 Yessentuki, USSR.
                                            ^^^^^^
          **********************************this should be 357600,

   The 1990 Callbook has it wrong, and Larry (as he likes to be called)
   asked me to write them a letter for him about it when he was here
   last summer.  I don't know about the address someone gave in Moscow,
   but I do know that Larry has had quite a bit of involvement
   with the MIR amateurs, and in fact his Yaesu is probably still
   up there.  He also had some MIR QSL's with him last summer.
```

Again, congratulations!

Charlie Panek (UUCP: hplabs!hp-pcd!hplsla!charlier)
KX7L   (SMTP: charlier@lsid.hp.com)

From -6665313348895682123
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38c4eaa8309c5b10
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,38c4eaa8309c5b10
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1991-01-04 14:01:53 PST
Path: gmdzi!unido!mcsun!uunet!sbi!zeus!hera!jl
From: jl@hera.Sbi.Com (Jean-Louis Ecochard)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: EQ for Microsats, DSP, etc.
Summary: Need additional info on PK232
Keywords: Equipment for Microsats, DSP, tips
Message-ID: <405@plato.hera.Sbi.Com>
Date: 4 Jan 91 19:34:58 GMT
References: <839@idacrd.UUCP>
Followup-To: rec.ham-radio
Organization: Fulcrum - Salomon Brothers, NY
Lines: 32
Xref: gmdzi rec.ham-radio:18770 rec.ham-radio.packet:3342

A recent article with this subject mentions the PK-232 and new AEA DSP product. I just purchased a PK-232 (as an alternative to the M7000) and was not aware of the forecoming DSP products. I also wanted to keep the system at a reasonable cost. I have a couple of questions:

- Is there a way to Better the PK-232. Specially in RTTY with the 170/200 Hz filter problem. I would like to keep the ability to have 200Hz filters for packet. May be some tuning, a switched capacitor/resistor or altogether a better external modem ...

- The AEA DSP being out of my financial range (for now) do you know of a product (kit/circuit design/commercial) that could allow me to do DSP on my laptop (no slot inside). An A/D converter between the audio and the RS-232 of the PC may be enough. I would write the softwar including FFTs. I wrote software for an EEG on the PC. Displaying brain waves or radio waves should be pretty close in theory (program wise that is).

- You mention good results using discone antennas. I am curious. I have an ICOM R7000 and a discone, the local satellite shop told me NO WAY, I think they are just trying to sell me their equipment. What is your opinion concerning whether or not I can get satellites with my equipment.

```
--
Jean-Louis Ecochard                 O
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~./_\.~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
                                 (__Y__)                uunet!sbi!chi!jl
```

From 398265896344212342
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4894f133cff41a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 14:02:15 PST
Path: gmdzi!unido!mcsun!uunet!sbi!zeus!hera!jl
From: jl@hera.Sbi.Com (Jean-Louis Ecochard)
Newsgroups: rec.ham-radio
Subject: Re: RF and the outer limits...
Message-ID: <406@plato.hera.Sbi.Com>
Date: 4 Jan 91 20:13:39 GMT
References: <1991Jan1.183915.10276@bellcore.bellcore.com>
<1991Jan4.010014.10418@NCoast.ORG> <1991Jan4.140109.5881@news.larc.nasa.gov>
Organization: Salomon Brothers, NY
Lines: 28

In article <1991Jan4.140109.5881@news.larc.nasa.gov> kludge@grissom.gatech.edu (Scott Dorsey) writes:
>
>We'll be more likely to get a visit from the Galactic Communications
>Commission, about at the 60 Hz interference we're producing knocking out
>the 60 Hz Venus-Mars CW link...
>

On the other side the communication between US and the OTHERS may well be like:

US - Hi good buddy, whatsup ?
OTHERS - Greetings, do you also have the answer to the big question of life the universe and everything as we do ?

U - Hu ... no ... what kinda rig do you have, our are coming S1 with bad intermod.
O - I use a Xawon III with a Rombico-octahedric antenna, what about you ?

U - I'm sorry this is CLASSIFIED information, I am not authorized to reveal this to you.
O - ... click ...

And this might well be the only conversation we might ever have with them :-)

```
--
Jean-Louis Ecochard                 O
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~./_\.~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
```

(__Y__)   uunet!sbi!chi!jl

From -6219539335707986020
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38c4eaa8309c5b10
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,38c4eaa8309c5b10
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1991-01-04 15:01:51 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!cunews!dgbt!barry
From: barry@dgbt.doc.ca (Barry McLarnon DGBT/DIP)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: RE: EQ for Microsats, DSP, etc.
Message-ID: <1991Jan4.211002.27574@dgbt.doc.ca>
Date: 4 Jan 91 21:10:02 GMT
References: <844@idacrd.UUCP>
Organization: The Communications Research Centre, Ottawa, Canada
Lines: 50
Xref: gmdzi rec.ham-radio:18773 rec.ham-radio.packet:3343

From article <844@idacrd.UUCP>, by mac@idacrd.UUCP (Robert McGwier):
> It includes a modification of the TAPR PSK modem for which a license
> has been granted. The legal details have been worked out between TAPR
> and the Japanese ages ago. There was some quid pro quo of you take
> our design, tweak it as you will, and give us copies, artwork, etc.
> In return, you can market it as you see fit and license it to whomever you
> please. The intellectual property that myself, KA2MOV, and KB2CST have
> in it are a 68HC11 design, a redone analog front end, including an AGC,
> and a major code effort to do some DSP in the 68HC11. We do integrate
> and dumps in the 68HC11 of the analog signal. It is a 2 dB win over
> the hard limiting design of the TAPR original without the AGC.
> The AGC is a big win in its use for copying AO-13. Yes, AO13. One
> of the modes for the modem is to change loop constants, and to run a
> clock recovery for the manchester data coming from AO-13. This is
> sent out in a format compatible with P3C.EXE, which is available
> from AMSAT-VK and PROJECT OSCAR. The royalties come in because
> we put it in a form that was commercially useful, made major enchancements
> to it, and for less than the cost of a TAPR PSK kit plus G3RUH
> AO-13 demod you get both, assembled and sometimes tested by PacComm ;-(.
>
> According to several who use it, it outperforms even the infamous
> AFDEM in copying AO13 and its weak signal performance on PSK is quite
> good. Both the TAPR royalies ($2 per) and mine are a joke, we did it
> to get it into the amateur radio community in a commercial package.
> If Gwyn sells 1000 (not there yet), we will have our investment paid
> off.
>
> I don't know why I feel defensive about this, but I guess I didn't
> care for the `tone' of your question.
>
> Bob

Sorry if the tone struck you wrong (that's a problem with this medium!), but this really was meant to be an 'inquiring minds' kind of question, and not a flame of any sort. I admit to never having peered under the hood of a PSK-1, and therefore rashly assuming that it was more or less a direct copy of the TAPR modem (a la TNC-2 clone). This assumption was evidently off-base, and I thank you for clarifying the issue.

Having homebrewed a PSK modem from the original Japanese design, I can attest that it is an excellent performer, even without the value-added goodies that came later. In the early days of FO-12 mode JD, it ran rings around the other folks, who were all using G3RUH modems.

Barry

--
| Barry McLarnon   Communications Research Center, Ottawa, ON, Canada |
| Internet: barry@dgbt.doc.ca |
| Packet BBS: VE3JF@VE3JF   AMPRnet: barry@bbs.ve3jf [44.135.96.6] |

From -6728333599130768883
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2bc5f2b849a7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 15:39:39 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: HELP with mike cord
Message-ID: <58130009@hpcupt1.cup.hp.com>
Date: 4 Jan 91 23:39:39 GMT
References: <2629@cod.NOSC.MIL>
Organization: Hewlett Packard, Cupertino
Lines: 5

Cut it at both ends and replace it with a straight one. Of course, the straight one gets all kinky and twisted up and looks like the curly one after it gets all kinky and twisted up! :-)
73's, Jim, WA6SDM
jholly@hpcupt1.cup.hp.com

From -6931266661449005365
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2bc5f2b849a7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 16:10:48 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!IBM.COM!ENGE
From: ENGE@IBM.COM ("Roy Engehausen")
Newsgroups: rec.ham-radio

Subject: HELP with mike cord
Message-ID: <010491.144024.enge@ibm.com>
Date: 4 Jan 91 22:41:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1

Are we starting the COIL NO-COIL debate now???? ;-)

From 5169624080678489496
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49036d3bc76e541,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 16:59:25 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!
elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpfcso!hpfcdj!goris
From: goris@hpfcdj.HP.COM (Andy Goris)
Newsgroups: rec.ham-radio
Subject: 440 HT Antenna question
Message-ID: <18230058@hpfcdj.HP.COM>
Date: 5 Jan 91 00:59:25 GMT
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 15

HT Antenna question....

Does anyone have experience with the AEA Hot-Rod antenna for 440 MHz?
Is it as good as the HR-1 is for 2M? I have an HR-1 and have been very
happy with it. I also have a Diamond RH-77 dual band flexible antenna which
words very well on my Kenwood TH-77A dual-band HT, but I'm looking for a
little more gain on 440.

Any help with 440 MHz HT antennas would be helpful. (I never use a duck)

-Duckless

Andy Goris   goris@hpfclm.hp.com
AA0CM

From -6483719173153339057
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 17:08:04 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!usc!elroy.jpl.nasa.gov!ncar!
asuvax!anasaz!qip!rusty
From: rusty@qip.UUCP (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: ARRL reply (was Re: Rumors of ARRL appeal on No-Code)
Message-ID: <5987@qip.UUCP>

Date: 4 Jan 91 15:55:39 GMT
References: <9012301924.AA29750@umail.UMD.EDU>
<1991Jan2.052707.72@ux1.cso.uiuc.edu>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 153

Ok, I got a reply from David Sumner, K1ZZ saying that it was ok to post
his reply. So, here it is (unedited except for removal of some extra mail
headers!). I present it without comment (at this point, anyway :-)

First, my mail:

From rusty Wed Jan 2 09:03:08 1991
Subject: No-code license as proposed by FCC
To: syntllct!uunet!mcimail.com!0002155052
Date: Wed, 2 Jan 91 9:03:08 MST
Cc: syntllct!uunet!mcimail.com!0002184001 (wy5i),
     syntllct!uunet!mcimail.com!0003511297

Dear ARRL,

Last year I let my membership to the ARRL expire. I had been planning
to renew until I heard that the ARRL will be petitioning the FCC to
not allow the new no-code Technician class licensee priveledges below
220 MHz. Part of the reason I originally allowed my membership to expire
was the ARRL's no-code position.

I strongly object to your opposition to the FCC's decision. I will
continue to be a non-member of the ARRL should you insist upon the
folly of opposing their decision.

For the record, I am Carroll D. Carruth, Jr., N7IKQ, technician class
licensee for approximately 4 years. If you desire, you may reply to me
via email (using your current email interface's "reply" command), or
via postal service at 245 W. 10th Place, Mesa Arizona 85201.

Thank you very much for your attention to this matter.

Carroll D. (Rusty) Carruth, Jr.
245 W. 10th Place #6
Mesa AZ 25201

--
Rusty Carruth   {ames!ncar!noao!asuvax,mcdphx}!anasaz!rusty
P.O. Box 27001, Tempe, AZ 85285   anasaz!rusty@asuvax.eas.asu.edu
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz

Date: Wed, 2 Jan 91 18:32 GMT
From: American Radio Relay League <uunet!mcimail.com!0002155052@syntllct.UUCP>
To: Rusty Carruth <anasaz!qip.rusty@syntllct.UUCP>

Cc: "WGE Publishing, Inc." <com!0002184001@mcimail>
Cc: "Frederick O. Maia" <com!0003511297@mcimail>
Cc: Fried Heyn <com!0002542030@mcimail>
Subject: RE: No-code license
Message-Id: <54910102183245/0002155052NC3EM@mcimail.com>
Status: RO

Dear Rusty:

I appreciate your MCI message, because it gives me the opportunity to correct some false information that appears to be circulating.

The truth is this: ARRL HAS NOT DECIDED TO PETITION FOR RECONSIDERATION OF ANY PORTION OF DOCKET 90-55.

The only statement that has been made by the League that has made any reference whatsoever to possible reconsideration was released by President Larry Price, W4RA, on December 14. He said, "Before we can decide whether to request that the Commission partially reconsider its action, we'll have to see the Report and Order." (The R&O was not released until the 27th.) In the same statement, he asked League members to share their views with their elected Directors, who collectively determine League policy.

The ARRL Board of Directors will be holding its regular meeting on January 18-19. I anticipate that between now and then, the Directors will be reviewing the input they receive from members. At the meeting, the Board may or may not consider the subject, and if it does, may or may not vote to seek reconsideration. No one can say for certain at this point: it depends on what a majority of Directors decide at that time.

League members have an opportunity to select their own elected representatives to the Board, and also have the opportunity to influence the opinions of their Directors on any issue. You sound like the sort of radio amateur who would want to take advantage of both of these opportunities.

I am forwarding your message, and this reply, to the Director of the Southwestern Division: Fried Heyn, WA6WZO.

73,

David Sumner, K1ZZ
Executive Vice President

Date: Thu, 3 Jan 91 02:03 GMT
From: "Frederick O. Maia" <uunet!mcimail.com!0003511297@syntllct.UUCP>
To: Rusty Carruth <anasaz!qip.rusty@syntllct.UUCP>

Subject: RE: No-code license as proposed by FCC
Message-Id: <42910103020324/0003511297NB2EM@mcimail.com>

<oops, I edited something, sorry - I did not ask Fred for permission,
so lets just say I got a very nice reply from him, as well>

73/Fred/W5YI

Date: Thu, 3 Jan 91 17:52 GMT
From: American Radio Relay League <uunet!mcimail.com!0002155052@syntllct.UUCP>
To: Rusty Carruth <anasaz!qip.rusty@syntllct.UUCP>
Cc: "WGE Publishing, Inc." <com!0002184001@mcimail>
Cc: "Frederick O. Maia" <com!0003511297@mcimail>
Cc: Fried Heyn <com!0002542030@mcimail>
Subject:
Message-Id: <15910103175251/0002155052NC1EM@mcimail.com>
Status: RO

Dear Rusty:

Thanks for your explanation of Usenet. Next opportunity, I'll ask Jon Bloom for some more background.

Sure, you have permission to relay my reply. Thanks for asking -- most people don't bother to!

73,
Dave K1ZZ

----------end of copied mail----------

I also sent Fred Maia some info about what usenet was, as well as a copy of one of the articles posted here (the one with the 5 or 6 questions, good article BTW).

And, Jon Bloom, be expecting Dave Sumner to be asking you about usenet!
I hope you can convince him that a presence here would be "A Good Thing".
(I hope that their presence here *would* be "A Good Thing"! :-)

(oops, there I go again, making comments... Oh, dear)

Well, there you have it. "Let the flames begin".... er, I mean "Let the GAMES begin", yeah, thats the ticket :-)

--
+++ 73 de N7IKQ +++
Rusty Carruth {ames!ncar!noao!asuvax,mcdphx}!anasaz!rusty
P.O. Box 27001, Tempe, AZ 85285 anasaz!rusty@asuvax.eas.asu.edu
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz
The Ham Callsign Project-part 3 (the 1990 version) - its HERE! Email for info

From -8502446462367743356
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2974d08ddb853c90,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 17:46:09 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!ucbvax!WSUVM1.CSC.WSU.EDU!GIDEN
From: GIDEN@WSUVM1.CSC.WSU.EDU (Robert Giden)
Newsgroups: rec.ham-radio
Subject: Swedes and/or Paket Radio Info
Message-ID: <9101050001.AA24370@ucsd.edu>
Date: 5 Jan 91 00:01:59 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 22
X-Unparsable-Date: Fri, 04 Jan 91 15:49:55 PLT

I have two questions - not related:

1) I'd like to meet some more Swedish speakers in North America. A fews contacts have been made - and will continue to be made - on a couple Swedish nets. But, in one case I met a Swede who has been a Ham in the US for more than 30 years, but he found the net for the first time in that morning I met him.

Jag skulle garna hora av dig!

2) Getting basic info on paket radio has not been intuitive or easy. I live in a area where I know of two Hams using paket. I haven't met them yet so Hams or Paket clubs are not at hand. The articles in QST, while informative, are sporadic in its presentations on what I'd like to read about. I've ordered both ARRL's "Gateway to PR" and the RTTY Journal so this info will be forthcoming. But, in the several weeks I've been on this list, I've heard practically nothing about paket radio. Let me know of other LISTSERVers on paket radio, other newsletters or national organizations that zero-in on this field (digital communications).

Robert Giden, N7KCG (Tusen tack)

From -8585898734593412184
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38c4eaa8309c5b10
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,38c4eaa8309c5b10
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1991-01-04 17:58:51 PST
Path: gmdzi!unido!mcsun!uunet!olivea!samsung!sdd.hp.com!wuarchive!udel!haven!decuac!shlump.nac.dec.com!sousa.enet.dec.com!nikkor.enet.dec.com!hicks
From: hicks@nikkor.enet.dec.com (Chas Hicks)
Newsgroups: rec.ham-radio,rec.ham-radio.packet

Subject: Re: RE: EQ for Microsats, DSP, etc.
Message-ID: <703@sousa.enet.dec.com>
Date: 4 Jan 91 21:53:42 GMT
Sender: newsa@sousa.enet.dec.com
Organization: Digital Equipment Corporation
Lines: 16
Xref: gmdzi rec.ham-radio:18777 rec.ham-radio.packet:3346

Bob:
I appreciate the feedback you have provided and the insight you have
given in regards to the design and improvements to the original
TAPR design.

Open discussions like this are, I feel, invaluable in helping
understand and sort out the technical tradeoffs for products like
this. As one of the design engineers, your comments and feedback
have been very valuable to me in deciding which way to go.

Thanks for ALL of the information yo have shared!

--chas hicks, WB0LJP

ps: will you be at Dayton?

From -5749415628798178203
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8ae3dcbc90f47923
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 17:58:54 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!wuarchive!julius.cs.uiuc.edu!rpi!luigi
From: luigi@aix02.aix.rpi.edu (John L Luigi Giasi)
Newsgroups: rec.ham-radio
Subject: Re: HTs and Die Hard
Message-ID: <GXV^~Y%@rpi.edu>
Date: 5 Jan 91 00:26:45 GMT
References: <memo.644858@lynx.northeastern.edu>
<1991Jan3.222913.19968@ux1.cso.uiuc.edu>
Organization: Rensselaer Polytechnic Institute, Troy NY
Lines: 63
Nntp-Posting-Host: aix02.aix.rpi.edu

In article <1991Jan3.222913.19968@ux1.cso.uiuc.edu> berger@iboga (Mike Berger)
writes:
>sehrlich@lynx.northeastern.edu writes:
>
>>Does anyone know which model(s) HT(s) were used in the movies Die Hard 1 and
>>2? And, what can you tell me about their performance and price?
>
>>Thanks much for any info. you can give me.
>*---
>

>They said very clearly that they were talking on "C.B.". So they must have
>been walkie-talkies.
>--
>   Mike Berger

Wrong, wrong, wrong, wrong, wrong. There was a HUGE discussion going on
about this one that lasted through at least December of 1990.
Entitled something to the effect of "Bruce Willis and Amateur Radio"
along with a "Die Hard" thread as well.
It is generally accepted as a USENET QUASI-FACT that the HTs in "DH" were
Kenwood TH25 HTs (or something along that series).... or should I say USED FOR
SHOOTING THE FILM!!!! The things these HTs did were... shal we suffice to
say.... slightly unrealistic... Transmitting on either the national
police emergency coordination frequency (well, OK no one specified what
frequency during the film, but lets assume that Bruce, being a cop from
NYC would know the LAPD frequencies would say "hey they should be monitoring
here!" ..no I don't remember the frequency..it is VHF hi-band.. BOB PARNASS
save me!) for talking with Reginald Veljohnson (the cop on the ground who
shot a kid once) or CB channel9 (with the 'ordering a pizza' line)
which is not NBFM...(notice I did not say GMRS)
Best part: The radios were full-duplex!! (what realism! :-)
Then our happy USENET family discussed the intracacies of the RED x-mit LED
on the HT for a couple more weeks... (Well, at least I did READ it all!)
..
During DIE HARDER the hts were purported (by the storyline) to have some sort
of whiz-bang digital transmission mode... or by some interpretations, an
encoded type of frequency access scheme and/or x-mit/rcve CTCSS locking
squelch. Where the user must punch in the secret code in order to access
either the frequency (or the key for the digital transmission algorythm,
depending on your interpretation of the story... It has been a while.. maybe
I'll rent it again tonight.) However, there is a brief shot where when Bruce
discovers an HT with the code enabled (what luck!) where you can clearly see
"TH-45" on the HT (I know, I said "Hey thats a 440 Kenwood HT" and my date
got mad, and told me I was a radio geek for the rest of the night)
However, for those who enjoy suspending disbelief for movies, I will admit
that they did put some sort of red/green authorization status light on the
HT. Additionally, when the army was called in they brought in "all sorts of
radio gear"... which looked exactly like a TS-940 and SM-220, tranceiver and
station monitor (there was even a nice lissajous figure on the SM-220, during
receive...imagine that!!)
...
Enough nitpicking....WHAT!! NEVER ENOUGH NITPICKING!!!!!
...
Lets fry-up some no-code techs for dinner, shall we? :-)   <-BIG :-)!!

OK OK OK... I am losing it.
But on the serious side and for a complete non-sequitor, is any one
doing a lot a 12meters (or any WARC for that matter) recently...
24Megs was hot today in the northeast, YCCC had more spots for
12m than 15m by a factor of 2 (and good ones like ZS9)
Also, does anyone have praises/horror-stories about the Mosley 5-banders?

Luigi Giasi, KA1UTU

luigi@rpi.edu

From 6026864607418721484
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8ae3dcbc90f47923
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 18:46:03 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!shelby!neon!kaufman
From: kaufman@Neon.Stanford.EDU (Marc T. Kaufman)
Newsgroups: rec.ham-radio
Subject: Re: HTs and Die Hard
Message-ID: <1991Jan5.010639.16541@Neon.Stanford.EDU>
Date: 5 Jan 91 01:06:39 GMT
References: <memo.644858@lynx.northeastern.edu>
<1991Jan3.222913.19968@ux1.cso.uiuc.edu> <GXV^~Y%@rpi.edu>
Organization: Computer Science Department, Stanford University
Lines: 12

In article <GXV^~Y%@rpi.edu> luigi@aix02.aix.rpi.edu (John L Luigi Giasi) writes:
-The things these HTs did were... shall we suffice to
-say.... slightly unrealistic... Transmitting on either the national
-police emergency coordination frequency (well, OK no one specified what
-frequency during the film, but lets assume that Bruce, being a cop from
-NYC would know the LAPD frequencies would say "hey they should be monitoring
-here!" ..no I don't remember the frequency..it is VHF hi-band.. BOB PARNASS
-save me!)

Try 155.475 MHz - National Law Enforcement Mutual Aid - Gold 3

Marc Kaufman (kaufman@Neon.stanford.edu)

From -6886754087322822219
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cfc6d084add8872
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 19:36:53 PST
Path: gmdzi!unido!mcsun!uunet!olivea!samsung!uakari.primate.wisc.edu!sdd.hp.com!
wuarchive!ukma!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: A few new questions
Message-ID: <1991Jan5.010142.17798@NCoast.ORG>
Date: 5 Jan 91 01:01:42 GMT
References: <5063.27844870@urchin.fidonet.org>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 9

Looks like I got confused by the fact that they're always called "remote
bases" even when they aren't really remote bases according to Part 97.

```
++Brandon
--
Me: Brandon S. Allbery               VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR               AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY


From -2897507865326832957
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,515303ac6dadd79e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 19:37:27 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!wuarchive!ukma!usenet.ins.cwru.edu!
ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: An Outside Viewpoint
Message-ID: <1991Jan5.010558.18137@NCoast.ORG>
Date: 5 Jan 91 01:05:58 GMT
References: <9012211713.AA00940@ucsd.edu> <7880396@hpfcdc.HP.COM>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 21

As quoted from <7880396@hpfcdc.HP.COM> by ajs@hpfcdc.HP.COM (Alan Silverstein):
+---------------
| > HAM RADIO IS UNPOPULAR BECAUSE UNDERSTANDING TECHNOLOGY IS UNPOPULAR.
|
| Consider automobiles.  In their early years, you pretty much had to be a
| mechanic to own one.  Nowadays, due to successful "consumer packaging",
| total idiots (in more ways than just auto mechanics) can drive cars.
+---------------

Yes, but what happens when there are no more auto mechanics, because nobody
wants to learn how?  I'm not saying *everyone* must become technologically
knlwdgeable, but the U.S. at least is fast headed toward a point where we
will be dependent on Asia for our technology because nobody here understands
it any more.

++Brandon
--
Me: Brandon S. Allbery               VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR               AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY


From -7484030587112336392
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88a0e58d08c1b1f9
```

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 19:37:33 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!wuarchive!ukma!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: new technician license
Message-ID: <1991Jan5.012604.18339@NCoast.ORG>
Date: 5 Jan 91 01:26:04 GMT
References: <124@canada.sbi.com>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 17
Posted: Fri Jan 4 19:26:04 1991

As quoted from <124@canada.sbi.com> by jerrys@canada.sbi.com (Jerry Simonowits):
+---------------
| Does anyone have a phone number or email address I could use to get an
| answer directly from the FCC on this matter ????
+---------------

General rule of thumb: let the experts ask the FCC. Preferably someone with legal knowledge. However you may feel about the ARRL, I'd ask them first --- you might also direct your query to the various VEC's and see what they say, as they may well have given the matter consideration.

++Brandon
--
```
Me: Brandon S. Allbery              VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR              AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

From -8908487388220330800
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 19:48:36 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Rumors of ARRL appeal on No-Code
Message-ID: <985.2784FF08@w8grt.fidonet.org>
Date: 5 Jan 91 03:22:48 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 19

> From: tad@ssc.UUCP (Tad Cook)
> Date: 3 Jan 91 18:04:24 GMT
> Organization: very little

> Message-ID: <728@ssc.UUCP>
> Newsgroups: rec.ham-radio
>
> > Thank you, thank you, thank you!
>
> But Jim specifically referenced bulletins transmitted by W1AW, which
> I receive regularly at my station. ARRL Press Releases, which were
> NOT in his reference, don't seem to come in here!   :)

I goofed. So, shoot me!

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 611858989963327090
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 19:49:03 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Rumors of ARRL appeal on No-Code
Message-ID: <986.2784FF0E@w8grt.fidonet.org>
Date: 5 Jan 91 03:25:14 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 26

> From: rusty@qip.UUCP (Rusty Carruth)
> Date: 3 Jan 91 23:13:09 GMT
> Organization: Anasazi, Inc. Phoenix, Az
> Message-ID: <5977@qip.UUCP>
> Newsgroups: rec.ham-radio
>
> In any case, I will summarize: the ARRL does not have any plans to
> petition for reconsideration (yet). Such a decision will be made
> during the meeting Jan 18-19. Write your directors to tell them
> what you think.
>
> So, there you have it, and only one hop away from the horses mouth :-)

I heard back from the horse himself. [:-)

He went as far as he could (since he said it) to give the impression that he didn't REALLY say it. I think that HQ has realized they goofed and are trying to back away from the news release statement in order to minimize the lashback from codefree techs in the area of QST subscriptions. (Sorry, I meant ARRL dues.)

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -7239679148127045263
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2bc5f2b849a7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 20:26:03 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: HELP with mike cord
Message-ID: <987.2785092C@w8grt.fidonet.org>
Date: 5 Jan 91 04:11:05 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 31

> From: dube@cpdvax.csc.ti.com
> Date: 4 Jan 91 19:36:04 GMT
> Organization: The Internet
> Message-ID: <9101041936.AA20598@tilde>
> Newsgroups: rec.ham-radio
>
> <medin@cod.NOSC.MIL (Ted Medin)> writes:
>
> > Well the flames of code/nocode ... are rising higher. So how about
> something
> >more practical.
> > Ever noticed how that nice curly mike cord gets strange turns in it after
> >a while. Well i have tried all sorts of things to restore it to its
> original
> >shape with little success. So anyone have the key to this?
>
> Good thinking! The issue is destined to take care of itself. Now, to
> more
> serious matters: Best way to keep curly-cords to retain their "shape"
> is to
> *not* exercise them :)   Don't stretch 'em and don't let 'em hang down.
> Yeah,
> I know; then why have one? Well, so you can stretch 'em I guess.

I wonder if curly mike cords is the cause of the twisted logic on 14.313...

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

```
From -6976579794529729247
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88a0e58d08c1b1f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 20:53:59 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: new technician license
Message-ID: <988.27851008@w8grt.fidonet.org>
Date: 5 Jan 91 04:41:08 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 29


 > From: jerrys@canada.sbi.com (Jerry Simonowits)
 > Date: 4 Jan 91 13:07:04 GMT
 > Organization: Salomon Brothers - NJ
 > Message-ID: <124@canada.sbi.com>
 > Newsgroups: rec.ham-radio
 >
 > Ok folks, I just got off the air after a rather heated 1/2 hour
 > discussion
 > on 2 meters with the gentleman who runs the busiest VE sessions in North
 > Jersey.
 >
 > His position is that anyone taking the element 2 and 3a tests (Novice
 > and
 > Technician theory) now with the intention of getting a new Technician
 > class license after 2/15 is wasting his/her time. Here's why. He says
 >
 >
 > Does anyone have a phone number or email address I could use to get an
 > answer directly from the FCC on this matter ????

I forwarded your letter to the Fidonet FCC conference. Some middle level FCC
employees and a communications lawyer who practices before the FCC show up
there regularly. If I get an answer from them, I'll fetch it back here.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org
```

```
From -4929515511763472203
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,283f054711021ce6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 21:16:08 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!pdxgate!parsely!twiki!johnr
From: johnr@twiki.PDX.COM (John Rosenbaum)
Newsgroups: rec.ham-radio
```

Subject: ham-radio
Summary: beginner
Message-ID: <mFa0u3w163w@twiki.PDX.COM>
Date: 4 Jan 91 15:34:09 GMT
Organization: Experimenter's Anonymous - Portland, OR USA
Lines: 6
Posted: Fri Jan 4 07:34:09 1991

Can anyone suggest a nice radio for working either the 10 meter or 2 meter bands. I have been looking at Yaesu, Icom, and Kenwood, but I can't decide which one out of the brand names I want to buy. Any Responses will be appresciated.

Johnr@twiki.pdx.com

From 3814581125414648562
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ff18bc44443c42ff,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,ff18bc44443c42ff,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1991-01-04 22:14:27 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!ucsd!rutgers!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: * SpaceNews 07-Jan-91 *
Keywords: U2MIR, Shuttle, Meteors
Message-ID: <395@ka2qhd.UUCP>
Date: 5 Jan 91 03:41:17 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 138
Xref: gmdzi rec.ham-radio:18794 sci.space:18739

SB SPACE @ ALLBBS < KD2BD $SPC0107
* SpaceNews 07-Jan-91 *

Bulletin ID: $SPC0107

=========
SpaceNews
=========

MONDAY JANUARY 7, 1991

SpaceNews originates at KD2BD in Wall Township, New Jersey, United States.
It is published every week and is made available for unlimited distribution.

* U2MIR NEWS *

==============
Musa, U2MIR, (aka UV3AM when at home in Moscow) despite his rigorous work schedule has been QRV on 145.55 or thereabouts usually in the 1200 - 1300 UTC time frame. He reports that Mission Commander Victor, U9MIR, will be sharing the station with Musa as time permits.

It appears that Amateur Radio is rapidly becoming a part of normal operations on MIR. It is reported that the next crew (expected to be launched in May 1991) may have another ham or two on-board. Boris Stepanov, UW3AX, the RSF "Ham in Space" project coordinator indicates that training courses for prospective MIR cosmonauts are presently being coordinated.

UA6HZ is handling QSLs for both U2MIR and U9MIR. The address is:
Valery Agabekov, UA6HZ, Box 1, 375600 Yessentuki, USSR. Use of this address should obtain a faster turnaround than through Box 88 Moscow.

AREM Status:

The equipment for the Austrian Amateur Radio Experiment on MIR (AREMIR) is nearing completion. In a telephone interview for the South African Radio League program "Amateur Radio Mirror" the President of AMSAT-OE, Wolf Hoeller (OE7FJT), said that integration of the equipment is nearing completion. The packet radio station consists of a TNC2 and a two meter hand-held transceiver built into a "black" box with connectors for the antenna and laptop computer.

He told Hans van de Groenendaal (ZS6AKV) that the TNC and radio will be delivered to Moscow by mid January for a month of testing. The equipment will be sent to MIR during early March. Originally, it was announced that the equipment was to be launched in mid January, however it appears that delays in final check-out has slipped the launch date a few months.

For the first few months AREMIR will operate as a Packet radio beacon. During a later supply mission, a laptop computer will be sent to MIR which will allow the cosmonauts to enter messages. Wolf, OE7FTJ, said that there is some doubt whether the laptop computer will survive the shake test. It may well have to be taken up by an Austrian Cosmonaut due to be sent to MIR towards the end of September or in early October, 1991.

[Information via AMSAT, Wolf (OE7FTJ), Boris Stepanov (UW3AX), Ray Soifer (W2RS), and Hans van de Groenendaal (ZS6AKV)]

* SHUTTLE NEWS *
================
The Space Shuttle "Discovery" was powered up last week in preparation for mission STS-39 (DoD) currently scheduled for launch in March. Installation of the Forward Reaction Control System was carried out and a high pressure main propulsion test was also performed.

Atlantis is being prepared for launch in April. The remote manipulator "arm" that will be used in the deployment of the Gamma Ray Observatory during its mission was prepared for installation last week.

* METEOR SHOWERS *

1991 METEOR SHOWERS

by Tom, KE2M

SHOWER	DATE	UTC	RATE
Quadrantids	04-Jan	0300	60/hour
Lyrids	22-Apr	1400	10/hour
Eta Aquarids	05-May	1400	35/hour
Delta Aquarids	29-Jul	0400	20/hour
Perseids	13-Aug	0400	75/hour
Orionids	22-Oct	0700	25/hour
Taurids	04-Nov	----	10/hour
Leonids	18-Nov	0300	75/hour
Geminids	14-Dec	1000	75/hour

* TNX QSL! *

A special thanks to all those who sent QSLs and letters to SpaceNews:

JR1RBR : Imai Keiji, Tokyo, Japan
WB2RXR : Ira Linderman, Commack, New York, U.S.A.
WB3GCP : Bob Shattuck, Gillett, Pennsylvania, U.S.A.
N4NAS : Joe Taylor, Glasgow, Kentucky, U.S.A.
WB4UIE : Jeff Callahan, Atlanta, Georgia, U.S.A.
N7KXI : Jim Raehl, Orem, Utah, U.S.A.
N7MVX : Bruce Walters, Helena, Montana, U.S.A.
N8JTR : Jason Sattler, Port Huron, Michigan, U.S.A.
N9BVU : Shirley Lunsford, Merrillville, Indiana, U.S.A.
WN9L : Malcolm Lunsford, Merrillville, Indiana, U.S.A.

...and e-mail messages:

4X1MK, K6DGW, N4HY, N6HNY, N7MLR

* FEEDBACK WELCOMED *

Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

INTERNET : kd2bd@ka2qhd.de.com
PACKET : KD2BD @ NN2Z.NJ.USA.NA
UUCP : ...uunet!rutgers!ka2qhd!kd2bd

MAIL : John A. Magliacane, KD2BD
Department of Electronics Technology
Advanced Technology Center
Brookdale Community College

765 Newman Springs Road
Lincroft, New Jersey 07738
U.S.A.

<< All The Best Wishes For A Healthy And Happy 1991! >>

/EX
--
```
John A. Magliacane                FAX  : (908) 747-7107
Electronics Technology Department  AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College        UUCP : ...!rutgers!ka2qhd!kd2bd
Lincroft, NJ  07738  USA           VOICE: (908) 842-1900 ext 607
```

From -6453886489514723653
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88a0e58d08c1b1f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 22:25:30 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: new technician license
Summary: re new technician"
Message-ID: <759@wells.UUCP>
Date: 5 Jan 91 04:48:23 GMT
References: <124@canada.sbi.com>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 30

In article <124@canada.sbi.com>, jerrys@canada.sbi.com (Jerry Simonowits) writes:
> Ok folks, I just got off the air after a rather heated 1/2 hour discussion
> on 2 meters with the gentleman who runs the busiest VE sessions in North
> Jersey.
> His position is that anyone taking the element 2 and 3a tests (Novice and
> Technician theory) now with the intention of getting a new Technician
> class license after 2/15 is wasting his/her time. Here's why. He says that
>
> I argued that this was not fair. That someone who has the requirements is
> entitled to the license and this needs to be fixed.
>
> If there are any other VE's out there, peopel from a VEC, or especially the
> FCC that could help clear this up a reply would be most appreciated. I am
> Does anyone have a phone number or email address I could use to get an
> answer directly from the FCC on this matter ????
>

Our VE group has not had any instructions on the situation yet; seems as
though someone holding cscs for 2 and 3A will be rather easily
processed into new Techs.

As for "

"busiest VE session ;in NNJ" ??!!??

and as for your comment about "How to Call FCC"   ******DONT EVEN THINK OF DOING THAT *******

That's the way adverse rulings are generated.

As of right now nothing is finalized, but don't expect some arbitrarily unfair procedures. Just relax, and keep out of it.

```
From -4565208561742514390
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a37bd3ac8f34d75c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 23:32:50 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!usc!elroy.jpl.nasa.gov!
ames!vsi1!teda!netcom!mcmahan
From: mcmahan@netcom.UUCP (Dave Mc Mahan)
Newsgroups: rec.ham-radio
Subject: Re: weather satellite questions
Message-ID: <20059@netcom.UUCP>
Date: 5 Jan 91 05:04:42 GMT
References: <OWHITE.91Jan2115333@haywire.nmsu.edu> <729@ssc.UUCP>
Distribution: rec.ham-radio
Organization: Dave McMahan @ NetCom Services
Lines: 49
Posted: Fri Jan  4 23:04:42 1991
```

In a previous article, markz@ssc.UUCP (Mark Zenier) writes:

>In article <OWHITE.91Jan2115333@haywire.nmsu.edu>, owhite@nmsu.edu (smouldering dog) writes:
>> I am building a digital imagery station for APT weather data and I
>> would like to know what I should use for the 2400 Hz AM demodulator.
>
>The new edition of the Weather Satellite Handbook by Taggart, published
>by the ARRL has a bandpass/full wave detector. Figure 5.3 pg 5-5.
>
>Another possiblity is a chip that SGS makes for Linear Variable
>Differential Transformers that has a synchronous detector.
>(The part number escapes me)

I believe the part number you are looking for is the NE5521. This part has two portions, one is an oscillator and the other is a synchronous detector. It is detailed in the Signetics data book and there was also an article in EDN on May 29, 1986 page 159.

I have used the 5521 (several years ago) for doing LVDT interfacing. It seems to work pretty good, but there are a few problems with it. We found that using the oscillator and detector at the same time causes problems. We solved this by just using the chip to do the detection and then had another oscillator that provided the drive signal for the LVDT. This probably won't

be a big deal for the application discussed above. The big problem that I see with this chip is that you need to provide a reference tone at the EXACT same frequency as you wish to extract the information from. This means that you would need to construct something like a PLL that would lock onto the incoming tone and provide a constant tone of steady amplitude as the reference. You might also have to do some phase shifting of the PLL output, depending on the type of PLL you create to extract the reference signal.
I think this chip would do a quite excellent job for signal extraction of the wefax signal, but haven't tried it yet.

If anyone out there has a good method of extracting a voltage signal from an AM modulated wefax signal from a satellite or other tips that would be useful, please let me know. I want to add an AM-to-FM front end to my wefax hardware so I can capture satellite transmissions directly. I have written a wefax receiving program for the amiga computer and now have some folks interested in trying to get signals from satellites. I'd like to just convert the AM modulation from the satellite to standard FM tones that could be fed into my existing system.

>Markz@ssc.uucp

-dave

--
Dave McMahan mcmahan@netcom.uucp
{apple,amdahl,claris}!netcom!mcmahan

From -7844184890326663551
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea5c6ad8072235f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 01:06:28 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: DSP for the non-EE
Message-ID: <1991Jan5.082341.239@ux1.cso.uiuc.edu>
Date: 5 Jan 91 08:23:41 GMT
References: <27080045@col.hp.com> <2269@esunix.UUCP> <4520@lib.tmc.edu>
Organization: University of Illinois at Urbana
Lines: 25

jmaynard@thesis1.hsch.utexas.edu (Jay Maynard) writes:

>OK...someone want to explain how those of us who aren't EE technonerds with
>serious, high-level education in the higher realms of mathematics and the
>theory of signals can do useful things digitally?
...
>This gets even worse for a non-computer weenie...I, at least, am comfortable
>with the idea of writing assembly language code. Joe Ham who's not a systems
>programmer has an additional layer to penetrate.

One possibility is to do like may people who use computers today. They get the latest and greatest programs people write and post on newsgroups and BBS's, ditch the source code because they don't understand that stuff, and just run the things and have fun.

If you don't care to write the problems, at least you can play around with trying one program after another, and/or setting their parameters and stuff.

It is all part of the learning experience anyway. You may not know a Laplace from a Fourier or how to convolute stuff, but if you figured out how to post on Usenet, you have most of the skills already.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -515560944089866390
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88a0e58d08c1b1f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 02:04:04 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!att!pacbell.com!ames!ncar!csn!boulder!uswat!ken
From: ken@uswat.uswest.com (Kenny Chaffin)
Newsgroups: rec.ham-radio
Subject: Re: new technician license
Message-ID: <14083@uswat.UUCP>
Date: 4 Jan 91 20:08:45 GMT
References: <124@canada.sbi.com>
Sender: news@uswat.UUCP
Organization: US WEST Advanced Technologies, CO, USA
Lines: 53

In article <124@canada.sbi.com> jerrys@canada.sbi.com (Jerry Simonowits) writes:
>Ok folks, I just got off the air after a rather heated 1/2 hour discussion
>on 2 meters with the gentleman who runs the busiest VE sessions in North
>Jersey.
>
>His position is that anyone taking the element 2 and 3a tests (Novice and
>Technician theory) now with the intention of getting a new Technician
>class license after 2/15 is wasting his/her time. Here's why. He says that
>there is no process in place to have people show up at a VE test session with
>the two CSCE forms and to generate a form 610 for a license. The current
>process requires one to pass some element at the exam session for a 610 to
>be generated.
>
This is bull! If the rules change on 2/15 then the VEs most definitely will be able to fill a 610 for a new tech license. The way I understand it is that those with existing exam credit will be grandfathered since there is no change in the questions involved.

>I argued that this was not fair. That someone who has the requirements is

>entitled to the license and this needs to be fixed.
     You're right, the problem is in your VE friends understanding of what
the new proceedure will be. By the way Just curious, but was this an ARRL VE
group, or one of the others?
>
>If there are any other VE's out there, peopel from a VEC, or especially the
>FCC that could help clear this up a reply would be most appreciated. I am
>sure everyone has their own opinion but it is most important that this
>be addressed by those in a position to actually process this information.
I'm a VE here in Denver, CO. Our group handles between 100 and 200 upgrades/
new licenses each year.
>
>
>Does anyone have a phone number or email address I could use to get an
>answer directly from the FCC on this matter ????
>
     You can call any of the FCC field Offices. The only Number I have
is for the office here in denver, 1-303-969-6497, but there are others
around the country.

CU
KAC WB0E

>
"Anybody want a drink before the war?"
                       Sinead O'Connor

>>
Kenny A. Chaffin   {...boulder}!uswat!ken
U S WEST Advanced Technologies   (303) 930-5356
6200 South Quebec
Englewood, CO 80111
<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<

From 3445123511521703121
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,25725f1381e281c1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 07:01:54 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucselx!bionet!agate!ucbvax!
TRIUMFER.BITNET!MULTI
From: MULTI@TRIUMFER.BITNET
Newsgroups: rec.ham-radio
Subject: 600 hZ cw filter wanted for FT-101
Message-ID: <91Jan5.094834est.57518@ugw.utcs.utoronto.ca>
Date: 5 Jan 91 13:43:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14

I am looking for the optional 600 hZ cw filter for my recently acquired

Yaesu FT-101E. I am also looking for two rubber feet for the front of the radio (why anyone would remove these is beyond my understanding), and two side rubber feet. Finally, I am looking for a PB1292 noise blanker as the later PB-1582 is next to useless, unless somebody knows how to adjust the PB-1582 noise blanker to increase the amount of blanking.

Y.N. Miles,
VE7-ALQ,
<MULTI@TRIUMFcl.bitnet>

ps: The set came with all ten meter crystals pulled, and replaced with CB crystals for 26mHz,27mHz,and 27.5 mHz. I guess the CBer didn't want the 600Hz cw filter...

From -1582780427439298130
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88a0e58d08c1b1f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 09:49:17 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: new technician license
Message-ID: <989.2785C6CD@w8grt.fidonet.org>
Date: 5 Jan 91 17:41:02 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 20

> From: k3tx@wells.UUCP (Dave Heller)
> Date: 5 Jan 91 04:48:23 GMT
> Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
> Message-ID: <759@wells.UUCP>
> Newsgroups: rec.ham-radio
>
> and as for your comment about "How to Call FCC" ******D O N T
> E V E N T H I N K OF D O I N G T H A T *******
>
> That's the way adverse rulings are generated.

In general, maybe; but clearly the FCC wants the codefree license and that means they want the process to work. They won't throw a monkey wrench in the machinery needed to make it work.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 7399475570755944972
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,e23c8793556882ac,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 09:49:19 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Code vs. No-Code Compromise?
Message-ID: <990.2785C6D3@w8grt.fidonet.org>
Date: 5 Jan 91 17:41:13 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 25

> From: k3tx@wells.UUCP (Dave Heller)
> Date: 5 Jan 91 05:06:34 GMT
> Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
> Message-ID: <760@wells.UUCP>
> Newsgroups: rec.ham-radio
>
> As for any VE's turning back their credentials because of NO CODE,
> I think it's an excellent idea. Saves the VEC's the trouble of
> forcibly recalling them.

Amen!

> I am very much bothered by this code-waiver bullshit. If someone
> is not able to pass a test, tough. There's no rule saying EVERONE
> has to be given a ham ticket.

No, but there's a Consitution and Civil Rights laws that say, "Before you say 'No', you'd better have a damn good reason." I doubt if "Dave Heller thinks it's bullshit" would qualify.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -6862432870489912751
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17e278fa2b084223
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 09:49:24 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: off the deep end
Message-ID: <991.2785C6D8@w8grt.fidonet.org>
Date: 5 Jan 91 17:41:28 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 21

> From: alan@adept.UUCP (Alan Ruffer)
> Date: 4 Jan 91 06:32:45 GMT
> Organization: Perfect Partners Inc., Sulphur, LA
> Message-ID: <349@adept.UUCP>
> Newsgroups: rec.ham-radio
>
> I have been following this thread and have some thoughts. First, I'm
> not taking a stance on code/nocode. I'm just wondering why these people
> who seem to believe STRONGLY in what they are doing, and have taken a
> position (sending in their VEC credentials as a protest) are assinine?

Because a VE is supposed to carry out policy, not generate it. Above all,
contrary to what Hugh Turnbull seems to be hinting, his approval or
'ratification' of FCC policy is not needed. A VE is entitled to his opinion,
but it should be expressed at the top of the funnel, not the bottom.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 4232606129521913538
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,515303ac6dadd79e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 10:34:56 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: An Outside Viewpoint
Summary: Technological play a good thing
Message-ID: <1929@ke4zv.UUCP>
Date: 5 Jan 91 17:12:30 GMT
References: <9012211713.AA00940@ucsd.edu> <7880396@hpfcdc.HP.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 37

In article <7880396@hpfcdc.HP.COM> ajs@hpfcdc.HP.COM (Alan Silverstein) writes:
>> HAM RADIO IS UNPOPULAR BECAUSE UNDERSTANDING TECHNOLOGY IS UNPOPULAR.
>
>If so, even that is not necessarily a bad thing!
>
>Consider automobiles. In their early years, you pretty much had to be a
>mechanic to own one. Nowadays, due to successful "consumer packaging",
>total idiots (in more ways than just auto mechanics) can drive cars.
>
>For me the interesting question is, "is that a bad thing?" Not
>necessarily. Autos have become a modern "utility", like telephones,
>power, TV, broadcast radio, newspapers, water, and sewer... A commodity
>item available to non-specialists.

>
>Of course you can still play auto mechanic yourself if you want. You
>can specialize and become technically proficient.

This is what ham radio is supposed to be, playing radio mechanic. Applicance users have the cellular phone, CB, and commercial two way. Our charter is to provide for self training in the radio art. Play is one of nature's most effective learning tools. That's why all young creatures exhibit the behavior. One of the best ways to keep ourselves young and vital is to exhibit more of this play behavior. One of the best ways to learn technological skills is to "play" designer or "play" troubleshooter. The most attractive thing about the new Technician license is that it gives us a better tool for enticing more people into the playground.

What is a bad thing is that our culture is turning away from technological play and thus turning away from learning technological skills. This has negative long term consequences for the health of a technology based society. Most people take utilities for granted and have little curiosity as to how they work. Yet people take their toys very seriously and often go to great lengths in both time and money to master them. Bringing the the people back to radio toys can have very positive results on the competitiveness of our society.

Gary KE4ZV

From 5711348630357539577
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 11:07:58 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!envy!karn
From: karn@envy..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Message-ID: <1991Jan5.184644.29454@bellcore.bellcore.com>
Date: 5 Jan 91 18:46:44 GMT
References: <798.2770B774@w8grt.fidonet.org> <7500075@hpfcso.HP.COM>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@envy.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 23

In article <7500075@hpfcso.HP.COM> vodall@hpfcso.HP.COM (Bill Vodall) writes:
>But we are. One of the main listed reasons that the Government puts up
>with hams is to provide a reservoir of trained radio operators. Granted
>that this is normally in emergency conditions. If we can help out the
>Navy recruiters a little now - that's great.
>
>We've got to keep intact the few legitimate reasons for Amateur Radios
>existence.

Quoting from paragraph 13 of the PR90-55 Report and Order:

"...For the amateur service to achieve its purpose it must have the participation of as many qualified persons as possible who desire to pursue that purpose. Modern commercial and military electronic systems require engineers to design them, technicians to install and maintain them, and a technologically literate citizenry that can use them. The amateur service should, as it has in the past, attract technically inclined persons, particularly the youth of our country, and encourage them to learn and to prepare themselves where the United States needs expertise. We do not forsee that telegraphers will be in as great demand by future systems as will electronics and communications experts."

--Phil

From -6539380513937339224
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,35b38a59614c1795,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 11:50:33 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!mips!pacbell.com!att!bellcore!envy.bellcore.com!karn
From: karn@envy.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: W5YI Report - transcript of FCC hearing
Message-ID: <1991Jan5.193407.514@bellcore.bellcore.com>
Date: 5 Jan 91 19:34:07 GMT
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@envy.bellcore.com ()
Organization: Bell Communications Research, Inc
Lines: 283

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 ::                                ::
 ::  T H E   W 5 Y I   R E P O R T ::
 ::                                ::
 ::      D i t s   &   B i t s     ::
 ::                                ::
 ::      Vol 13 # 1 --- 01/01/91   ::
 ::                                ::
 ::    HamNet Electronic Edition   ::
 ::   CompuServe's  Ham/SWL Forum  ::
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In this issue:

- FCC Says "Yes" to 'No-Code'

HamNet thanks Fred Maia, W5YI, for permission to excerpt this Electronic Edition of his W5YI Report. The full ten-page biweekly newsletter is available by mail for $23 per year from Fred at Dept. C, PO Box 565101, Dallas, TX 75356-5101. Samples available for a 2 stamp large SASE.

: :

Do you have Amateur Radio news to contribute to The W5YI Report? If so, please call (817) 461-6443 and leave a message on Fred's recorder!

: :

o FCC Says "YES" to No-Code

Instead of enacting its controversial proposal for a Communicator license, the FCC on Dec. 13 removes the 5 WPM Morse code requirement from the existing Technician Class amateur operator license. Praising Amateur Radio for its achievements, the five Commissioners voted unanimously for the change. Implementation of the new rules is expected by February 1991.

At the same time, the FCC voted to change Part 97 to include the procedures for exempting handicapped Novice and Technician hams from the 13 and 20 WPM Morse tests required for upgrading to higher license classes. The 5 WPM Morse text will continue to be required of all amateurs who desire HF operation.

Current holders of Technician licenses will be 'grandfathered', meaning that they will keep all of their current privileges (including HF privileges). After the new rules go into effect, new Technician licensees will receive all amateur privileges above 30 MHz. They may optionally pass a 5 word per minute Morse test to obtain the same privileges below 30 MHz enjoyed by Novices and current Technicians.

Technician licensees who pass the 5 WPM test will not receive any new callsign, nor will they have to use a suffix or other special station

ID. The new rules will not prescribe an official name for Technicians who have HF privileges. However, FCC staff told us they expect the name "Technician Plus" to be widely used in place of "Technician Plus 5 WPM Morse Code". This is also the name suggested by the No-Code Committee convened by the ARRL to consider a possible code-free amateur license class.

The Technician exam will consist of 55 questions from the current Novice and Technician elements, and will not include 5 proposed special questions about Morse code's "...utility and tradition". These two examinations may be taken together or one at a time.

The Commission decided to retain the Novice license in order to provide an alternative entry-level opportunity to those who can pass a 5 WPM telegraphy requirement in place of the more comprehensive written exam for the Technician. The Novice examination will continue to be available under the current system. Despite serious problems with fraudulent examinations, the Commission decided not to integrate Novice testing into the three examiner VEC examining program at this time. There is thus no change whatsoever in the current Novice testing program.

The full text of the FCC's decision was not available at presstime. The following is the FCC presentation and news conference in Washington:

(Ralph Haller, Chief, FCC Private Radio Bureau): "Good morning, Mr. Chairman and Commissioners. The Amateur Radio Service has a long history of pioneering advancements in the radio art. I thought you might like to see what the state of the art is right now in the Amateur Radio Service. Through various networks that have been put together by the voluntary time and personal funds of radio hobbyists, it's possible to communicate around the world with a small radio (displays a small hand-held rig).

"We believe that the items before you will encourage growth in the amateur service. Three people deserve special credit. They reviewed over 1,100 comments in response to two notices. I'd like to recognize John Johnston, Monty DePont, and Bill Cross, who will now present the items."

(William Cross): "Modern consumer, commercial and military electronics systems require engineers to design them, technicians to install and maintain them, and a technologically literate citizenry to use them. Many of our engineers, scientists, astronauts, educators and technicians took their first steps toward careers when they became amateur operators. We look to the amateur service to expand our country's resource of technicians and electronics experts.

"The advent of radio at the turn of the century brought the beginning of amateur radio. Eighty-nine years ago yesterday, at St. John's Newfoundland, inventor and experimenter Guglielmo Marconi received the first message transmitted across the Atlantic Ocean by radio.

The message consisted of three dots, Morse code for the letter 'S'.

"At that time, telegraphy was the only radio technology, whether amateur, commercial or military. Telegraphy has remained an unbroken tradition in the amateur service. Every amateur operator ever licensed in this country has passed a Morse code test.

"Lately however, there is concern within the amateur community that the current Morse code requirement is discouraging persons who could help the service more fully meet its purpose from participating in amateur radio. Now, as in the early 1900s, the amateur service is for technically inclined private citizens worldwide who engage in self-training, information exchange and radio experimentation. It is for persons who are fascinated by radio, and who enjoy a personal satisfaction in understanding and using the technology.

"Society benefits from the experimental nature of this service. The concept of broadcasting, for instance, began when listeners overheard amateur stations exchanging weather reports and baseball scores. The first land mobile systems were built by amateurs (as were) the first handheld radios. The first satellite system authorized by the Commission was an amateur station. Today, more than 30 amateur satellites have been launched. Amateur operators aboard the Space Shuttles communicate to other amateurs around the world. Amateurs pioneered communications by Low-Earth orbiting satellites, a technology just now being explored commercially.

"This service discovered the forefront of communications technology. Single Sideband, a narrowband voice emission, was adopted by our Air Force only after its capability was proved in the amateur service. Amateur operators moreover have always been at the cutting edge of digital communications technology.

"Society is well served by having amateur operators, with their transmitting apparatus, available in practically every area of the world. When a disaster strikes, such that normal communication systems are overloaded, damaged or completely disrupted, amateur systems assist relief operations immediately. Often, it is from an amateur operator on the scene that the outside world first learns of a disaster and of the assistance that is needed. In a situation like this, nothing can surpass having persons there who are ready, willing and most importantly, able to communicate. They temporarily bridge the gap until normal communications are restored.

"The amateur service should continue to attract technically-included persons, especially our young people, and encourage them to prepare themselves in the areas where the United States needs experts. The items before you, therefore, expand the access to the amateur service by amending the telegraphy requirements for amateur operator licenses.

"The first item, a Report and Order in PR Docket 90-356, exempts from the higher speed code exams persons who, because of severe handicap, are incapable of passing those examinations. We would rely on a physician's certification of disability to determine eligibility of an applicant.

"The second item, a Report and Order in Docket 90-55, establishes a codeless amateur operator license class by eliminating the code requirement from the Technician class operator license. These amendments will make it easier for today's technically-inclined persons to become involved in the world of radio communications. This, in turn, will help our country stay in the forefront of research and development. For these reasons, we recommend that these Reports and Orders be adopted. Thank you."

(Commissioner James Quello): "The amateur service is self-regulating, self-disciplined, and it compares to some of the other services most favorably. I think this opens it up to one, the handicapped; and two, the young. And I know the same type of self-regulation will continue. I don't know how important code is today. Is it being used less and less?

(Ralph Haller): "Actually Commissioner, there is still a fair amount of Morse code that is used by amateurs. But with the interest in computers it is probably being used less today, particularly by the people just now entering the service."

(Quello): "Well, I think it's good to open it up to those who may not be able to master the code. Most of it is done by voice today anyway. Excellent items; I approve them both."

(Commissioner Sherrie Marshall): "The amateur service has provided numerous contributions. This should open it up to attract more operators to the service while also preserving the traditional entry route for those who know Morse code. I also think it's appropriate for handicapped amateurs to take an even greater role in the service and that's why these two items deserve our support."

(Commissioner Ervin Duggan): "Mr. Chairman, I also support these items. Mr. Cross, I'm impressed by all the insights you gave in your presentation, the reasons we should appreciate the amateur service in its relationship to commercial services like the new low-Earth orbit satellites. I was fascinated to hear those connections made. I think you deepen our appreciation of the amateur service.

"One comment about the handicapped item. There was some fear in my office when this whole process began that we might be leaning over too far backwards to relax our standards and that in the process of trying to seem compassionate and responsive to the special needs of handicapped people, that we would in fact go too far and rob handicapped people of the pride they might otherwise have at being able to meet tough standards.

"I think in the process of receiving comments and reviewing this item, you have succeeded in removing that concern. I'm impressed by the large number of comments that came in. It speaks of the vitality and the tremendous interest on the part of people who are involved in this activity. I know that it imposed some real burdens on you, but you've done a good job and I'm happy to support these items, Mr. Chairman."

(Chairman Al Sikes): "I think that the team has done an excellent job, you've weighed carefully and come forward with a very balanced approach. This is clearly a vital service. The contributions in the service area, the equipment area, the emergency areas by amateurs have really been extraordinary. I would agree with Commissioner Duggan. Your report was helpful; it gave me some additional insights. I think that the steps that we have taken to broaden this now and invite more into it hold the potential of providing an even more vital, more dynamic service."

It was the Quarter Century Wireless Association that suggested simply eliminating the code from the Technician Class to arrive at a 30-MHz and higher frequency no-code ham ticket. QCWA made their proposal in their August 2nd, 1990, comments on Docket 90-55, the Codefree Communicator proceeding. They weren't the first to suggest eliminating the code from the Technician, however.

That distinction belongs to Dr. Michael C. Trahos, KB4PGC, a physician from Alexandria, Virginia. His May 1989 34-page proposal was one of the original twelve no-code petitions accepted by the Commission. Trahos asked for two new no-code license classes. He wanted the Novice and Technician Class names retained and renamed Novice Plus and Technician Plus ... for Plus Code.

He envisioned new code-free Novices being require to only pass Element 2 (Novice written exam) to obtain current Novice privileges above 30 MHz. The code-free Technician passing Elements 2 and 3(A) would get six meter privileges ... and all ham spectrum above 220 MHz. He exempted the two-meter band, but added he "...would entertain any additional proposals regarding ... expanding the new no-code Technician class privileges to include the 2 m band, 144-148 MHz ... based on comments, received to this Petition."

Dr Trahos wrote us "I view this FCC decision as a partial personal victory over the ARRL and their monopoly of Amateur Radio. It is, however, only a partial victory." He said it was still his personal opinion, supported by international experience, that a true no-code entry level license should only have written requirements less than or equal to that of the lowest obtainable code (Novice) class. He contends that a code-free Technician class by itself will "...fail to substantially increase the influx of new persons into Amateur Radio. Time will tell if these observations are correct."

[End this issue]

From -9844701901933359 15

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3ef5518e3d30a89a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 12:18:49 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!elroy.jpl.nasa.gov!ncar!
zaphod.mps.ohio-state.edu!lavaca.uh.edu!menudo.uh.edu!lobster!urchin!
f8324.n106.z1.fidonet.org!Christopher.Boone
From: Christopher.Boone@f8324.n106.z1.fidonet.org (Christopher Boone)
Newsgroups: rec.ham-radio
Subject: Re: TR-7400A & Touch Tone Mic
Message-ID: <5146.2785B95C@urchin.fidonet.org>
Date: 4 Jan 91 23:54:10 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8324 - Far Point Relay Ham, Katy Tx
Lines: 22

** Quoting Joseph R. Skoler to All **
 >Newsgroups: rec.ham-radio
 >
 >
 >Does anyone know of a source for a touch tone pad for a Kenwood
 >TR-7400A?
 >
 >Or, how about a source for a mic which has a touch tone pad
 >and can
 >be modified for use (if necessary) with a TR-7400A?
 >
 >Used is just as fine, if not finer, than new.
 >
** End of Quote **
Any 600 ohm or low impedance mic will do....A Yaesu YM23 or 22 would be
ideal...but try to find a used one is next to impossible nowadays....CES makes
some good DTMF mics....Also Midian...but noone makes a 16button mic that would
be an exact plug in for the Kenwood...(and I doubt there's a 12 button one
that would be that way too) almost any TT mic you get will have to have the
plug rewired for the 7400 4pin jack....(even the Yaesus I mentioned...)
73
Chris WB5ITT


From 8714179168924822583
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8ae3dcbc90f47923
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 12:29:32 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!elroy.jpl.nasa.gov!ncar!
zaphod.mps.ohio-state.edu!lavaca.uh.edu!menudo.uh.edu!lobster!urchin!
f8324.n106.z1.fidonet.org!Christopher.Boone
From: Christopher.Boone@f8324.n106.z1.fidonet.org (Christopher Boone)
Newsgroups: rec.ham-radio
Subject: Re: HTs and Die Hard
Message-ID: <5147.2785B963@urchin.fidonet.org>
Date: 4 Jan 91 23:58:15 GMT
```

Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8324 - Far Point Relay Ham, Katy Tx
Lines: 22

** Quoting Mike Berger to All **
 >>Does anyone know which model(s) HT(s) were used in the movies
 >Die Hard 1 and
 >>2? And, what can you tell me about their performance and
 >price?
 >
 >>Thanks much for any info. you can give me.
 >*---
 >
 >They said very clearly that they were talking on "C.B.". So
 >they must have
 >been walkie-talkies.
 >--
** End of Quote **
Though they were supposed to be on CB, the HTs used in DieHard 1 looked like
Kenwood TH21 AT or BT series.....I havent seen DieHard2...
Needless to say, they would be hard pressed to make work on CB...
and I think the performance of them in the movies was a little out of reach
for what they would do in real life
(Check out in DieHard 2 a phone in the airport.....Supposed to be DC airport?
but the phones say Pacific Bell!...read that in a review!)
WB5ITT

From -2203025379806808891
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,434afec9f6dff86e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 13:28:15 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!rpi!bu.edu!att!rutgers!
bellcore!envy.bellcore.com!karn
From: karn@envy.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Text of FCC Report and Order, Docket 90-55
Message-ID: <1991Jan5.210219.2159@bellcore.bellcore.com>
Date: 5 Jan 91 21:02:19 GMT
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@envy.bellcore.com ()
Organization: Bell Communications Research, Inc
Lines: 242

Since over a week has gone by since the release of the Report and Order
in FCC docket PR 90-55 and an electronic copy hasn't materialized yet,
I decided to start typing it in from the xerox-of-a-FAX I got in the US mail
from the ARRL last week. (If I had a cleaner copy I would have tried an
optical scanner, but my last attempt to scan a FAX was a complete
failure.)

The entire R&O is 6.5 typeset pages long. About 4.5 pages are the text of the order itself, .5 page contains the changes to Part 97, and 2.5 pages contain footnotes. I'm typing it in sections, the length of which are arbitrarily determined by when my arms get tired. :-) Here's section 1. It covers almost the first two pages of the printed R&O. (Hint: help in typing in the remaining pages would be welcome.)

--Phil, KA9Q

Before the
Federal Communications Commission
Washington, D. C. 20554

PR Docket No. 90-55

In the matter of

Amendment of Part 97 of the   RM-6984 RM-6985
Commission's Rules Concerning   RM-6986 RM-6987
the Establishment of a Codeless   RM-6988 RM-6989
Class of Amateur Operator License   RM-6990 RM-6991
RM-6992 RM-6993
RM-6994 RM-6995

REPORT AND ORDER

Adopted: December 13, 1990; Released: December 27, 1990

By the Commission:

I. INTRODUCTION

1. On February 8, 1990, we adopted a Notice of Proposed Rule Making (Notice) [1] in the above-captioned proceeding. In the Notice, we proposed to establish a new class of amateur operator license (codeless class) that would not require applicants to prove that they can send and receive texts in Morse Code telegraphy signals. [2]

2. In response to the Notice, we received over 1,100 comments and 12 reply comments from individuals and organizations. The comments are generally supportive of an entry level codeless class. They differ widely, however, in support for the proposed license requirements, operator privileges, and license class structure. This Report and Order adopts the rules for a new codeless class license as proposed in the Notice with the changes discussed below.

II. BACKGROUND

3. The International Radio Regulations require that persons seeking a license to operate an amateur station prove that they have the ability to send correctly by hand and to receive correctly by ear text in Morse code telegraphy signals. [1] Although this requirement may be waived for an operator of a station transmitting exclusively on frequencies above 30 MHz, [4] each of the five classes of operator licenses

currently issued by the Commission requires the applicant to pass an examination in the international Morse Code. [5]

4. Over the years, we have received many requests from persons who argue that proficiency in telegraphy is an unreasonable barrier to obtaining an amateur operator license. When we proposed codeless classes previously, [6] nevertheless, the amateur community strongly objected. Lately, however, the sentiment of the amateur community appears to favor at least an entry level codeless license class. As a result, our Notice proposed to reprogram resources from processing applications for new Novice and Technician Class licenses to processing applications for licenses for a new entry level codeless class.

5. In the Notice, we stated the three fundamental objectives that we have with respect to the proposed codeless class. Our first objective is to offer an entry level operator license opportunity to otherwise qualified persons who find the telegraphy requirement a barrier to pursuing the purpose of the amateur service. [7] Our second objective is to establish a type of license that can be implemented promptly. Our third objective is to avoid negative effects upon current licensees, upon the work of the volunteer examiners (VEs), or upon the Commission's workload and resources.

6. In the Notice, we proposed to add a new entry level codeless "Communicator Class" operator license in lieu of the existing Novice and Technician Classes of licenses. We also proposed to grandfather current Novice and Technician Class operator licenses indefinitely. The operator privileges proposed included all authorized emission types, a maximum transmitter power of 200 watts peak envelope power, and authorization to transmit on amateur service frequency bands above 30 MHz with the exception of the 2 meter and 6 meter bands.

III. DISCUSSION

7. Approximately seventy percent of the comments to this proceeding favor at least an entry level codeless license. Some of these comments, however, advance proposals that go beyond establishing a single codeless class. [8] Other supporting comments suggest alternatives that would have undesirable effects upon present licensees. [9] Still other supporting comments suggest alternatives that would have unacceptable effects upon the VEs and the Commission's workloads. [10] The remaining thirty percent of the comments object to any form of codeless license. [11] In the paragraphs below, we address in detail the issues raised in the Notice and comments.

A. Need for codeless class

8. Proposal. Our Notice was issued in response to twelve petitions for rule making calling for codeless license classes. We observed that a significant segment of the amateur community appeared to have a new view of the role of telegraphy in the future of the amateur service. [12] We also stated that this was a propitious time to propose the establishment of an entry level codeless class, given the advances in

electronic communications in the past few years. [13]

9. Comments. Among those affirming the need for a codeless class is the Quarter Century Wireless Association (QCWA) whose comments state that "[m]any QCWA members have a lifetime history of operating with, and a sentimental attachment to, use of the Morse code. It is understandable that some may not be overly enthusiastic in endorsing changes in licensing procedures which would delete the requirement of proficiency in this traditional mode of communication. Nonetheless, after consideration of the facts associated with licensing trends, we have concluded that the blanket code proficiency requirement may be a major cause of decline in the entry of many people into the Amateur Radio Service. Given this conclusion and in recognition of our responsibility to the public interest, we are agreed that a blanket Morse code requirement for entry into the Amateur Radio Service can no longer be justified." [14]

10. The American Radio Relay League, Inc. (ARRL) states that our objectives in this proceeding are basically sound and are consistent with its own rationale for the creation of a codeless class. [15] An ARRL study committee has concluded that the perception of the Morse telegraphy requirement filtered out too many desirable and technically qualified operators who have not recognized the value of manual telegraphy as a means of practical communication. [16]

11. The National Conference of Volunteer Examiner Coordinators (NCVEC) states that it found ample evidence that the Morse telegraphy requirement is no longer essential to an entry level amateur operator license. [17] The Amateur Radio Industry Group (ARIG), another codeless class supporter, states that "[a]mateur radio has evolved from a hobby of tinkerers and telegraphers into a service of communicators... [T]he Morse code requirement at the entry level is a carryover from the origins of amateur radio which today may be preventing many interested and otherwise qualified persons from entering the Amateur Radio Service." [18]

12. The opposing comments hold that telegraphy skill is absolutely required for any participation in the amateur service. Their arguments are generally based upon claims for telegraphy as a superior communications medium and for telegraphers as model radio operators. Representative comments are as follows: "Morse code is the most effective means of communicating and the only one which can be used under the most adverse conditions." [19] "All hams must be prepared to use code in an emergency situation." [20] "We do not desire to have individuals join our ranks that would have us lower our standards." [21] Another argument is based on the need to maintain tradition. "I had to take the code when I got my ticket, so why should someone else pass the code up?" [22] "I believe everyone should be blessed with the glory of learning code before operating in the amateur frequency spectrum." [23]

13. Discussion. The comments clearly confirm that the amateur community is undergoing a dramatic shift in sentiment concerning the value of

Morse Code as an entry level license requirement. For the amateur service to achieve its purpose it must have the participation of as many qualified persons as possible who desire to pursue that purpose. Modern commercial and military electronic systems require engineers to design them, technicians to install and maintain them, and a technologically literate citizenry that can use them. The amateur service should, as it has in the past, attract technically inclined persons, particularly the youth of our country, and encourage them to learn and to prepare themselves where the United States needs expertise. We do not foresee that telegraphers will be in as great demand by future systems as will electronics and communications experts.

14. Telegraphy skill has been required for each person who has ever been issued an amateur operator license in the United States, including the current 493,000 licensees. Mastering the Morse Code was an arduous task for many of these licensees, and by developing their telegraphy skills they expressed their intense desire to become amateur operators. It is understandable, therefore, that there are licensees who are reluctant to share the amateur service frequencies with new licensees who have not made a similar effort to master the Morse code. We conclude, however, that telegraphy skill is not so essential to proper operation of a station that transmits exclusively above 30 MHz such as to justify turning away otherwise qualified persons who do not possess the skill. The Notice, furthermore, did not propose to delete the telegraphy skill requirement for a licensee to be the control operator of a station transmitting below 30 MHz where telegraphy communications take place extensively and worldwide communications are possible. The sharing of frequencies between codeless class licensees and other licensees can take place on frequency bands above 30 MHz where telegraphy operation is minimal and where the transmission of the more modern emission types such as data, image, phone, pulse, RTTY, and spread spectrum, predominate. [24]

15. We do not concur with the comments alleging that the passing of a telegraphy examination is an indication of the examinee's good character, high intelligence, cooperative demeanor, or willingness to comply with our rules. [25] These traits are also found in individuals who have not passed a telegraphy examination rather than being exclusive to those who have passed such a test. For regulatory purposes, passing a telegraphy examination is no more and no less than proof of the examinee's ability to send and receive texts in Morse code at some specified rate. With respect to comments that make claims for the superiority of telegraphy over other types of communications, we do not consider these arguments as germane to this proceeding. The Notice did not propose to discontinue the authorization of telegraphy CW emission types on any amateur service frequency. The amateur service in the future, as it has in the past, can provide to those who personally desire to do so the opportunity to communicate by telegraphy.

16. We are adopting rules, therefore, that implement the codeless license option provided in the international Radio Regulations. These new rules offer a codeless class of license that authorizes control

operator privileges at stations which transmit exclusively above 30 MHz. This satisfies our objective of providing an entry level opportunity to otherwise qualified persons who find telegraphy a barrier to pursuing the purposes of the amateur service.

B. Operator License structure

17. Proposal. Our Notice proposed to add a new codeless class in a simplified license structure containing four ascending steps, new codeless Communicator, General, Advanced, and Amateur Extra Classes. There would also be, in effect, a "Communicator Plus CSCE" [26] operator class which recognized that some Communicator Class licensees hold a CSCE showing the licensee has passed an international Morse code test but which would not require additional license processing resources. The codeless class would be the first step in the license structure instead of the Novice Class. We stated that this structure could be rapidly implemented because the present license processing system and application form would continue to be used. Our Notice, however, particularly asked the amateur community to consider carefully the alternative of preserving the existing five-step ladder by simply eliminating the telegraphy examination requirement from the Novice Class license.

From -5809432531584641455
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88a0e58d08c1b1f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 14:35:41 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!elroy.jpl.nasa.gov!ncar!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: new technician license
Summary: re calling fcc
Message-ID: <761@wells.UUCP>
Date: 5 Jan 91 21:26:30 GMT
References: <124@canada.sbi.com> <14083@uswat.UUCP>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 14

A discussion about the grandfathering of those who have already passed elements 2 and 3A certainly appears to indicate that no one knows what will really go on.

However - - -

passing on FCC phone numbers to those who intend to be asking frivolous questions is just asking for trouble.

Every time a question is posed to the commission and there is an answer, the answer tends to be restrictive overall.

Unless you have a GOOD reason for calling FCC, ***DON'T***

From -3279164083382609271
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,515303ac6dadd79e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 14:46:49 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: An Outside Viewpoint
Message-ID: <995.27860B87@w8grt.fidonet.org>
Date: 5 Jan 91 22:31:50 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 39

> From: gary@ke4zv.UUCP (Gary Coffman)
> Date: 5 Jan 91 17:12:30 GMT
> Organization: Gannett Technologies Group
> Message-ID: <1929@ke4zv.UUCP>
> Newsgroups: rec.ham-radio
>
> to provide for self training in the radio art. Play is one of nature's
> most
> effective learning tools. That's why all young creatures exhibit the
> behavior.
> One of the best ways to keep ourselves young and vital is to exhibit
> more of
> this play behavior. One of the best ways to learn technological skills
> is
> to "play" designer or "play" troubleshooter. The most attractive thing
> about
> the new Technician license is that it gives us a better tool for
> enticing
> more people into the playground.
>
> What is a bad thing is that our culture is turning away from
> technological
> play and thus turning away from learning technological skills. This has
> negative long term consequences for the health of a technology based
> society. Most people take utilities for granted and have little
> curiosity
> as to how they work. Yet people take their toys very seriously and often
> go to great lengths in both time and money to master them. Bringing the
> the people back to radio toys can have very positive results on the
> competitiveness of our society.

Precisely why I have been trying to 'sell' the "HAM RADIO, the National Park of the Mind" idea.

```
--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org


From 504841431488582556
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88a0e58d08c1b1f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 15:04:21 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!gatech!uflorida!mailer.cc.fsu.edu!
sun13!murray
From: murray@sun13.scri.fsu.edu (John Murray)
Newsgroups: rec.ham-radio
Subject: Re: new technician license
Message-ID: <1812@sun13.scri.fsu.edu>
Date: 5 Jan 91 22:15:26 GMT
References: <124@canada.sbi.com> <14083@uswat.UUCP>
Organization: SCRI, Florida State University
Lines: 34

In article <14083@uswat.UUCP> ken@uswat.uswest.com (Kenny Chaffin) writes:
>In article <124@canada.sbi.com> jerrys@canada.sbi.com (Jerry Simonowits) writes:
>    This is bull! If the rules change on 2/15 then the VEs most definitely
>will be able to fill a 610 for a new tech license. The way I understand it is
>that those with existing exam credit will be grandfathered since there is no
>change in the questions involved.
>
>>I argued that this was not fair. That someone who has the requirements is
>>entitled to the license and this needs to be fixed.
>    You're right, the problem is in your VE friends understanding of what
>the new proceedure will be.

I spoke with one of my local VE's. His position is, Yes, it *sounds* like
the new Tech will simply be elements 2+3A, however, he has recommended that
I wait for him to get *official* word from the *FCC* before we waste both our
time on certification that may be useless to me without element 1A.

I agree with his position. Besides, waiting for Feb. 14, I might get bored
enough to learn the code long enough to pass 1A. Or 1B, or... (this is
significant to me, since without any real study effort, I am passing the
Hypercard Advanced question-pool random test about 50% of the time.)

Side-note: I have had absolutely no negative feedback from local hams regarding
my current desire to get a no-code Tech. (Technocode?? Bleah!) The VE asked out
of curiosity what facets of amateur radio I was interested in, and I promptly
responded, "Building things.." to which he replied, "My God! a *real* ham!!"

>Kenny A. Chaffin                     {...boulder}!uswat!ken

--
Disclaimer: Yeah, right, like you really believe I run this place.
```

```
John R. Murray               |        "Never code anything
murray@vsjrm.scri.fsu.edu   |          bigger than your head.."
Supercomputer Research Inst.|               - Me
```

From 7645050022702428674
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,434afec9f6dff86e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 15:41:21 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!ALF.UNOMAHA.EDU!pschleck
From: pschleck@ALF.UNOMAHA.EDU (Paul W. Schleck KD3FU)
Newsgroups: rec.ham-radio
Subject: Re: Text of FCC Report and Order, Docket 90-55
Message-ID: <9101052302.AA08653@alf.unomaha.edu>
Date: 5 Jan 91 23:02:12 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Lines: 49

Newsgroups: rec.ham-radio
Subject: Re: Text of FCC Report and Order, Docket 90-55
References: <1991Jan5.210219.2159@bellcore.bellcore.com>

In <1991Jan5.210219.2159@bellcore.bellcore.com> karn@envy.bellcore.com (Phil Karn) writes:

>Since over a week has gone by since the release of the Report and Order
>in FCC docket PR 90-55 and an electronic copy hasn't materialized yet,
>I decided to start typing it in from the xerox-of-a-FAX I got in the US mail

Oh, but don't you get it Phil? The purpose of rec.ham-radio isn't to
convey documented facts or inspire positive action, it is to support
self-supporting internal feuding and rumor! Cases in point:

1. Extensive threads about the CBS Report on scanner listening.
Despite frequent requests, neither the number and/or address for transcripts
and/or the address for CBS was posted. What was posted was a lot of
second-hand rumor and whining.

2. Based on a few sentences on an ARRL news release, there was alot of
extensive rumor and guessing about motivations of the ARRL. FInally,
some sensible people posted copies of bulletins and news releases
regarding the No-Code license. Also, KE3Z from the ARRL emphasized the
point that it's not ARRL policy until the ARRL decides that it's policy.
Preliminary statements and thinking are just that, PRELIMINARY.

>from the ARRL last week. (If I had a cleaner copy I would have tried an
>optical scanner, but my last attempt to scan a FAX was a complete
>failure.)

>The entire R&O is 6.5 typeset pages long. About 4.5 pages are the text
>of the order itself, .5 page contains the changes to Part 97, and 2.5

>pages contain footnotes. I'm typing it in sections, the length of which
>are arbitrarily determined by when my arms get tired. :-) Here's
>section 1. It covers almost the first two pages of the printed R&O.
>(Hint: help in typing in the remaining pages would be welcome.)

>--Phil, KA9Q

That's what secretaries are for! Don't they have any at that fancy PhD place you work at?

(Subtitle for the humor impaired: This post is strictly tongue-in-cheek. I do not advocate the use of secretaries for non-official purposes, unless they happen to be good looking :)

73, Paul W. Schleck, KD3FU

pschleck@alf.unomaha.edu

```
From -2713019776237347025
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ffd0a142b487c22,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 15:41:56 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: FCC via Internet
Message-ID: <996.2786147F@w8grt.fidonet.org>
Date: 5 Jan 91 23:11:02 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 18
```

For the benefit of whoever asked:

They have no uucp map according to UUNET.UU.NET. House of Representatives, yes. Department of Labor, yes. Federal Reserve Board, yes. Democratic National Committee, yes.

Who has a zillion maps? The IRS, of course. Most featuring a feller by the name of Jon Albers, KA3OVK. (Remind me not to flame HIM on rec.ham-radio!)

The pattern of who has uucp addresses and who doesn't is so random that obviously it is purely a 'local option,' depending perhaps on who does the computer housekeeping chores. One map included the plaintive plea for more intragovernment connections!

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

```
From -5847173566175417346
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61af29cc97398063,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 17:19:38 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9101052244.AA26290@blackbird.afit.af.mil>
Date: 5 Jan 91 22:44:02 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 417
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The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

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- Current NASA Prediction Bulletins #793 -
Alouette 1
1 00424U 62B-A  1 90363.26635297  .00000233  00000-0  26894-3 0  3793
2 00424  80.4635  93.7482 0023852 129.3887 230.9365 13.67434785409356
ATS 3
1 03029U 67111  A 90359.08761186 -.00000074  00000-0  99999-4 0  4865
2 03029  13.4244  19.5047 0021383 269.3786  90.3902  1.00272681 84707
Cosmos 398
1 04966U 71 16  A 91  4.42365302  .00095883  18535-4  48818-3 0  3275
2 04966  51.5154  81.5436 2133195 175.9889 186.1581 11.36187499614242
Starlette
1 07646U 75010  A 90364.52082390 -.00000033  00000-0  21427-4 0  1828
2 07646  49.8184 103.7793 0205959 119.7539 242.4016 13.82148382802935
LAGEOS
1 08820U 76039  A 90353.19958803  .00000005  00000-0  00000 0 0  1778
2 08820 109.8636  58.5065 0044495 199.5087 160.4038  6.38664335 85758
GOES 2
1 10061U 77048  A 91  3.05434394 -.00000257  00000-0  99999-4 0  5393
2 10061   8.5325  61.2685 0005273 343.7736  16.1743  1.00255680 51017
IUE
1 10637U 78012  A 90359.21452346 -.00000185  00000-0  99999-4 0  1860
2 10637  32.6023 115.8507 1418900 358.4795   1.0425  1.00248863  8378
GPS-0001
1 10684U 78020  A 90364.39014066  .00000005  00000-0  99999-4 0  5863
2 10684  63.8203  83.4832 0124339 198.5330 161.0464  2.00554870 79786
GPS-0002
1 10893U 78 47  A 90363.38443660 -.00000023  00000-0  00000 0 0  2912
2 10893  64.3011 324.3375 0169594  23.7657 336.9900  2.00538052 92588
GOES 3
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1 10953U 78062  A 90353.15052083  .00000109  00000-0  99999-4 0   209
2 10953   7.4179  64.2373 0006320 119.2497 144.6936  1.00246039  6775
SeaSat 1
1 10967U 78064  A 91  1.52446704  .00000846  00000-0  33314-3 0  4452
2 10967 108.0226   9.6335 0003136 257.9937 102.0842 14.36108443654922
GPS-0003
1 11054U 78093  A 90363.14528210 -.00000022  00000-0  00000 0 0  3361
2 11054  63.8245 320.5523 0060639 119.1027 241.4997  2.00570712 89597
Nimbus 7
1 11080U 78098  A 90360.18084632  .00000098  00000-0  11775-3 0  7261
2 11080  99.1802 260.5966 0008569 293.6673  66.3584 13.83485770614581
GPS-0004
1 11141U 78112  A 90365.25459858  .00000005  00000-0  00000 0 0  1004
2 11141  63.7561  83.2864 0058958 313.2047  46.3395  2.00549936 88334
GPS-0005
1 11690U 80 11  A 90364.39732761  .00000006  00000-0  00000 0 0   836
2 11690  64.2905  85.5758 0120663 202.4230 157.0752  2.00553215 94175
GPS-0006
1 11783U 80 32  A 91  4.18648674 -.00000022  00000-0  99999-4 0  3180
2 11783  63.6166 319.8865 0131825  59.8017 301.4581  2.00562179 78357
GOES 5
1 12472U 81049  A 91  1.27659246  .00000083  00000-0  99999-4 0   250
2 12472   3.9614  73.2574 0001286 229.1779 130.5565  1.00217852 34214
SME
1 12887U 81100  A 91  1.16829941  .00130058  00000-0  80552-3 0   370
2 12887  97.6020  68.3615 0001225  76.0875 284.0136 15.76682790512153
Salyut 7
1 13138U 82 33  A 91  3.62707863  .00256473  00000-0  52295-3 0  7096
2 13138  51.5948 351.0539 0003128  54.9199 305.1492 15.98287141496466
Cosmos 1383
1 13301U 82 66  A 90353.97354722  .00000115  00000-0  12442-3 0  6797
2 13301  82.9315 164.6154 0028569  11.5223 348.6581 13.67867005423073
LandSat 4
1 13367U 82 72  A 90365.75614919  .00000930  00000-0  21630-3 0  6303
2 13367  98.1403  64.1293 0002622 227.0569 133.0408 14.57146826450074
IRAS
1 13777U 83  4  A 91  1.41057356  .00000535  00000-0  39440-3 0  8863
2 13777  99.0123 200.0535 0012164 196.2886 163.7890 13.98863624 74656
Cosmos 1447
1 13916U 83 21  A 90364.00222143  .00000046  00000-0  42013-4 0  7745
2 13916  82.9432 227.2862 0037528 316.6581  43.1624 13.74086481389567
TDRS 1
1 13969U 83 26  B 90365.37607102  .00000128  00000-0  99999-4 0  2270
2 13969   4.9306  64.2715 0003287 211.8083 148.0600  1.00276447  1326
GOES 6
1 14050U 83 41  A 90365.31192064  .00000120  00000-0  99999-4 0  3463
2 14050   2.7293  75.8649 0000928 305.7919  53.7386  1.00269843   114
OSCAR 10
1 14129U 83 58  B 91  3.16142974  .00000017  00000-0  00000 0 0  6329
2 14129  25.9096 167.3234 5971064 205.6904 105.3887  2.05880218 28853
GPS-0008
1 14189U 83 72  A 90365.62872861  .00000004  00000-0  99999-4 0  8820
2 14189  63.4641  81.6805 0144595 222.7519 136.1571  2.00569351 54726
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LandSat 5
1 14780U 84 21  A 90365.78709825  .00000427  00000-0  99999-4 0  4799
2 14780  98.2608  62.9445 0001607 154.8695 205.2580 14.57075281363494
UoSat 2
1 14781U 84 21  B 90364.62968659  .00001340  00000-0  25249-3 0  8968
2 14781  97.9252  50.5452 0012778 349.8055  10.2899 14.66016601364741
GPS-0009
1 15039U 84 59  A 91  3.79235711  .00000003  00000-0  00000 0 0  1480
2 15039  63.2123  80.7075 0026588 225.0577 134.7839  2.00566716 48067
Cosmos 1574
1 15055U 84 62  A 90364.76590260  .00000107  00000-0  10412-3 0   151
2 15055  82.9570 277.3873 0027789 132.6232 227.7262 13.73399623327059
GPS-0010
1 15271U 84 97  A 90365.24579213 -.00000022  00000-0  00000 0 0  9860
2 15271  63.1092 319.4764 0111269 329.5104  29.8322  2.00562315 45107
Cosmos 1602
1 15331U 84105  A 90365.88733976  .00002365  00000-0  31520-3 0  4495
2 15331  82.5361 177.5528 0024649  45.4783 314.8454 14.79062261337304
NOAA 9
1 15427U 84123  A 90362.25961523  .00000357  00000-0  21309-3 0  6877
2 15427  99.1719   6.6760 0015058 180.9562 179.1577 14.12764946311389
Cosmos 1686
1 16095U 85 86  A 91  3.81478878  .00211365  00000-0  43208-3 0  8775
2 16095  51.6046 350.0507 0002644  53.4372 307.4419 15.98344139496492
GPS-0011
1 16129U 85 93  A 91  1.95982653  .00000005  00000-0  00000 0 0  7039
2 16129  63.9871  81.9173 0123833 148.2569 212.5399  2.00564011 38347
Mir
1 16609U 86 17  A 91  4.58505381  .00038272  00000-0  43311-3 0  1802
2 16609  51.6104  36.1109 0025638  82.9739 277.4237 15.61636145279551
SPOT 1
1 16613U 86 19  A 91  1.13827282  .00000359  00000-0  18648-3 0  2096
2 16613  98.7162  77.8235 0001080  21.2360 338.8877 14.20030266 92028
Cosmos 1766
1 16881U 86 55  A 91  3.65721153  .00003857  00000-0  52156-3 0  2708
2 16881  82.5191 233.7928 0024476  54.8925 305.4357 14.78624117238766
EGP
1 16908U 86 61  A 90364.45042487 -.00000030  00000-0  67192-4 0  3303
2 16908  50.0106  12.6288 0011184 333.8315  26.1953 12.44391037199296
NOAA 10
1 16969U 86 73  A 91  3.42600374  .00000417  00000-0  19857-3 0  5355
2 16969  98.5821  31.7278 0014463  50.2233 310.0222 14.23845056223103
MOS-1
1 17527U 87 18  A 91  4.20214011  .00000406  00000-0  32758-3 0  7335
2 17527  99.0924  78.9781 0000971 140.0446 220.0799 13.94889352197281
GOES 7
1 17561U 87 22  A 91  1.02068881 -.00000044  00000-0  99999-4 0  7045
2 17561   0.0363 117.5998 0005999 263.2112 339.1078  1.00267968  7550
Kvant-1
1 17845U 87 30  A 91  3.81713317  .00032766  00000-0  37277-3 0  4344
2 17845  51.6158  39.9880 0025812  80.3446 280.0731 15.61571201214167
DMSP B5D2-3
1 18123U 87 53  A 90365.87963451  .00000173  00000-0  99999-4 0  8140
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2 18123  98.8086 193.8303 0014587 177.2741 182.8518 14.14269832182348
RS-10/11
1 18129U 87 54  A 91  3.91948249  .00000118  00000-0  11833-3 0  4808
2 18129  82.9244 180.2190 0010556 284.4224  75.5740 13.72133951176979
Meteor 2-16
1 18312U 87 68  A 91  3.77499619  .00000219  00000-0  18868-3 0  5935
2 18312  82.5558 131.3196 0013452  54.2155 306.0253 13.83712921170724
Meteor 2-17
1 18820U 88  5  A 91  3.54431933  .00000107  00000-0  90414-4 0  4417
2 18820  82.5431 191.1772 0017220 117.8193 242.4713 13.84406624147906
DMSP B5D2-4
1 18822U 88  6  A 90365.91255425  .00000492  00000-0  24084-3 0  7577
2 18822  98.6187 240.5690 0007656  62.0499 298.1453 14.21687394150915
Glonass 34
1 19163U 88 43  A 90364.29658635  .00000020  00000-0  99999-4 0  1206
2 19163  64.9207 152.5744 0007032 180.8050 179.1742  2.13102627 20324
Glonass 36
1 19165U 88 43  C 90365.76134226  .00000020  00000-0  00000 0 0  1284
2 19165  64.9030 152.5289 0003441 347.0778  12.8834  2.13102838 20350
AO-13
1 19216U 88 51  B 91  4.47704348  .00000022  00000-0  99999-4 0  2314
2 19216  56.8297 117.3324 7099742 244.1147  29.3547  2.09699155 19624
OKEAN 1
1 19274U 88 56  A 90365.01492853  .00001932  00000-0  26473-3 0   222
2 19274  82.5157 335.8911 0021057 195.2832 164.7922 14.77843898133982
Meteor 3-2
1 19336U 88 64  A 91  3.76674524  .00000042  00000-0  96169-4 0  6956
2 19336  82.5417 135.5294 0016610 169.1289 191.0199 13.16908751117358
Glonass 39
1 19503U 88 85  C 90365.31182956 -.00000017  00000-0  99999-4 0   387
2 19503  65.4025  31.9518 0006284 202.3413 157.6926  2.13103649 17838
NOAA 11
1 19531U 88 89  A 90365.41093826  .00000700  00000-0  40404-3 0  4401
2 19531  99.0090 314.1992 0013000  88.9486 271.3174 14.11845756116795
TDRS 2
1 19548U 88 91  B 90363.21290838  .00000115  00000-0  99999-4 0  2288
2 19548   0.5955  82.1169 0003870 188.3787  89.3807  1.00277829  6872
Glonass 40
1 19749U 89  1  A 90365.35284004  .00000020  00000-0  99999-4 0  8223
2 19749  64.8595 152.2078 0004781 271.4486  88.4721  2.13102303 15366
Glonass 41
1 19750U 89  1  B 90365.41108852  .00000020  00000-0  99999-4 0  8813
2 19750  64.8783 152.2275 0004773 242.6769 117.2520  2.13102232 15360
GPS BII-01
1 19802U 89 13  A 90350.38029847  .00000017  00000-0  99999-4 0  2281
2 19802  55.0450 190.2251 0052192 161.1231 199.1398  2.00553388 13407
Akebono
1 19822U 89 16  A 91  1.41700291  .00024989  00000-0  17904-2 0  8816
2 19822  75.0758 141.0270 4124350  94.3618 312.5911  7.19958255 14010
Meteor 2-18
1 19851U 89 18  A 90364.66481083  .00000191  00000-0  16196-3 0  3922
2 19851  82.5212  71.9302 0014454 167.9167 192.2346 13.84043196 92741
MOP-1
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1 19876U 89 20  B 90360.73829951  .00000025  00000-0  99999-4 0  1754
2 19876   0.2103   6.0820 0007143 238.4239 116.0807  1.00282156  2595
TDRS 3
1 19883U 89 21  B 90347.88420365 -.00000235  00000-0  99999-4 0  2238
2 19883   0.5799  80.7080 0003535 181.4568  97.8074  1.00267910 76692
GPS BII-02
1 20061U 89 44  A 90343.73124429 -.00000034  00000-0  99999-4 0  2311
2 20061  54.8388   8.7128 0089319 181.9510 178.0573  2.00566968 11014
Nadezhda 1
1 20103U 89 50  A 90364.84464379  .00000118  00000-0  11493-3 0  2898
2 20103  82.9617 140.0471 0036352 209.8714 150.0373 13.73635031 74718
GPS BII-03
1 20185U 89 64  A 90350.05472694  .00000016  00000-0  99999-4 0  1726
2 20185  54.9002 191.0630 0021894 161.1624 198.9908  2.00573506  9712
GPS BII-04
1 20302U 89 85  A 90365.54298174 -.00000025  00000-0  99999-4 0  1742
2 20302  54.4927 309.0183 0033447 328.1260  39.5831  2.00555364  8824
Meteor 3-3
1 20305U 89 86  A 91  3.72387980 -.00000438  00000-0 -11688-2 0  3052
2 20305  82.5510  76.5768 0016132 185.3947 174.7006 13.15930362 57327
COBE
1 20322U 89 89  A 90363.06071744  .00000092  00000-0  70418-4 0  2384
2 20322  99.0211  11.4917 0008260 183.9533 176.1559 14.02935015 56818
Kvant-2
1 20335U 89 93  A 91  3.68913988  .00034069  00000-0  38751-3 0  5330
2 20335  51.6125  40.6319 0025523  79.3479 281.0593 15.61567224 63077
GPS BII-05
1 20361U 89 97  A 90350.59711931  .00000014  00000-0  99999-4 0  1231
2 20361  55.0071 133.1209 0064560  57.5897 302.9975  2.00584011  7387
SPOT 2
1 20436U 90  5  A 91  1.10323643  .00000644  00000-0  32005-3 0  4512
2 20436  98.7175  77.8612 0000790  98.0175 262.1118 14.20032237 48839
UO-14
1 20437U 90  5  B 91  2.20740313  .00000416  00000-0  18086-3 0  2879
2 20437  98.6865  82.5848 0011091 296.9656  63.0398 14.28833579 49282
UO-15
1 20438U 90  5  C 90362.64847210  .00000213  00000-0  10130-3 0  1809
2 20438  98.6857  77.9834 0009981 310.4541  49.5773 14.28507215 48625
PACSAT
1 20439U 90  5  D 91  1.20277933  .00000380  00000-0  16648-3 0  1852
2 20439  98.6894  81.8097 0011056 300.7417  59.2701 14.28929536 49143
DO-17
1 20440U 90  5  E 90359.11967090  .00000406  00000-0  17636-3 0  1834
2 20440  98.6865  74.7783 0010790 321.3692  38.6723 14.28982888 48136
WO-18
1 20441U 90  5  F 91  3.19901353  .00000388  00000-0  16864-3 0  1853
2 20441  98.6888  83.8647 0011518 294.4450  65.5548 14.29068414 49432
LO-19
1 20442U 90  5  G 90359.36064767  .00000320  00000-0  14229-3 0  1832
2 20442  98.6876  75.0967 0012082 320.8594  39.1713 14.29133556 48179
GPS BII-06
1 20452U 90  8  A 90360.95373832  .00000003  00000-0 -20008-5 0  1461
2 20452  54.4588 248.1324 0047930  50.2545 310.1452  2.00552119  6712
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MOS-1B
1 20478U 90 13  A 90361.63060020  .00001047  00000-0  80601-3 0  4827
2 20478  99.1701  70.8397 0000471 149.9211 210.1982 13.94835822 45101
DEBUT
1 20479U 90 13  B 90363.01335131  .00000019  00000-0  72005-4 0  1780
2 20479  99.0197  12.5536 0540758 327.2364  29.6236 12.83166627 41732
FO-20
1 20480U 90 13  C 90349.60777664  .00000054  00000-0  17104-3 0  1745
2 20480  99.0212   1.7035 0541433 357.6633   2.1957 12.83159737 40013
MOS-1B R/B
1 20491U 90 13  D 90360.58985662  .00000847  00000-0  16469-2 0  1861
2 20491  99.0165  19.6551 0469959 300.4029  55.1432 13.02779630 41457
LACE
1 20496U 90 15  A 90365.47869681  .00007581  00000-0  42885-3 0  3814
2 20496  43.0957 316.7459 0015921 150.7473 209.4407 15.13347415 48463
RME
1 20497U 90 15  B 91  1.04596971  .00014355  00000-0  33962-3 0  4303
2 20497  43.1094 243.0880 0019354 208.2843 151.7166 15.41457490 49313
Nadezhda 2
1 20508U 90 17  A 90364.51899788  .00000108  00000-0  10374-3 0  2405
2 20508  82.9540 275.1363 0044966 158.1083 202.1991 13.73255824 41950
OKEAN 2
1 20510U 90 18  A 90365.05622246  .00002513  00000-0  37886-3 0  3963
2 20510  82.5269 276.3185 0020162   0.9901 359.1853 14.73926255 45067
INTELSAT-6
1 20523U 90 21  A 91  1.05792018 -.00018776  00000-0 -13747-2 0  4289
2 20523  28.3377  46.4320 0014538 138.0436 221.8802 15.02973272 44244
GPS BII-07
1 20533U 90 25  A 90294.05687607 -.00000033  00000-0  00000 0 0   630
2 20533  55.1450  10.8449 0034235 102.6965 257.7562  2.00556242  4124
PegSat
1 20546U 90 28  A 91  3.07917833  .00017675  00000-0  10159-2 0  3849
2 20546  94.1379 321.5952 0140170 333.0213  26.3739 15.04423677 40099
HST
1 20580U 90 37  B 91  1.35608294  .00004538  00000-0  49380-3 0  3825
2 20580  28.4710  67.6433 0005403  28.6682 331.4291 14.85838409 37465
Glonass 44
1 20619U 90 45  A 90359.62298554 -.00000017  00000-0  99999-4 0  3232
2 20619  65.0014  32.3847 0024591 216.6899 143.2075  2.13103277  4704
Glonass 45
1 20620U 90 45  B 90365.37198086 -.00000017  00000-0  99999-4 0  3333
2 20620  65.0042  32.1935 0006034  21.6763 338.4246  2.13103219  4837
Glonass 46
1 20621U 90 45  C 90365.43060229 -.00000017  00000-0  99999-4 0  2843
2 20621  65.0189  32.2002 0014093 211.0092 148.9736  2.13102685  4834
Kristall
1 20635U 90 48  A 90365.61719652 -.00049451  00000-0 -56366-3 0  3287
2 20635  51.5938  56.1445 0028347  66.2203 294.4128 15.61242040 33479
ROSAT
1 20638U 90 49  A 90365.16542622  .00003242  00000-0  28500-3 0  1566
2 20638  52.9947 255.6813 0014378 201.7388 158.3016 14.99123310 31819
Meteor 2-19
1 20670U 90 57  A 90360.83798985  .00000125  00000-0  10180-3 0  1400
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2 20670  82.5455 135.7527 0017243 105.7961 254.5105 13.83886986 25168
CRRES
1 20712U          91  1.18045573  .00000791  00000-0  77598-3 0   836
2 20712  18.2613 341.9621 7125628 321.1119   4.7208  2.43677978  3906
GPS BII-08
1 20724U 90 68  A 90358.72077540  .00000016  00000-0  99999-4 0   789
2 20724  54.7109 188.6525 0096383 119.8471 241.1780  2.00563791  2860
Feng Yun1-2
1 20788U 90 81  A 90360.67381739  .00000387  00000-0  28347-3 0   823
2 20788  98.9343  32.7980 0010405 306.6667  53.3619 14.00608869 16057
Meteor 2-20
1 20826U 90 86  A 90360.99525211  .00000290  00000-0  25488-3 0   906
2 20826  82.5262  74.8415 0014115   9.2052 350.9363 13.83255385 12403
GPS BII-09
1 20830U 90 88  A 90356.76405907  .00000013  00000-0  99999-4 0   779
2 20830  54.8954 131.1069 0078719 116.6356 244.1432  2.00565609  1904
GPS BII-10
1 20959U          90364.65049323 0.00000016           10000-3 0   169
2 20959  54.9135 190.0008 0041865 213.3227 146.4511  2.00557160   655
DMSP B5D2-5
1 20978U 90105  A 90365.85776992  .00000893  00000-0  34820-3 0   291
2 20978  98.8580  34.7296 0080503 268.6535  90.5427 14.30460409  4325
Soyuz TM-11
1 20981U          91  1.76917932 0.00042457           48388-3 0   395
2 20981  51.6134  50.3185 0024818  71.4822 288.8843 15.61429632  4768
1990 105H
1 20990U 90105  H 90365.04138640  .01688303  00000-0  99958-1 0   412
2 20990  98.9384  36.2126 0139168 268.8494  95.4786 14.96562174  4347
1990 105M
1 20998U 90105  M 90361.86098562  .00433465  00000-0  48799-1 0   260
2 20998  98.8813  32.2865 0178638 281.3148  76.8173 14.73704114  3853
1990 105N
1 20999U 90105  N 90365.56169060  .00393609  00000-0  46737-1 0   326
2 20999  98.7964  35.9742 0165796 269.9345  88.3860 14.73157924  4398
Cosmos 2109
1 21006U 90110  A 90365.00044096  .00000020  00000-0  99999-4 0   336
2 21006  64.8287 151.6459 0062587 184.3526 175.5612  2.13102843   500
Cosmos 2110
1 21007U 90110  B 90360.48367456  .00000020  00000-0  99999-4 0   309
2 21007  64.8521 151.8119 0040051 176.9520 183.0737  2.13102405   405
Cosmos 2111
1 21008U 90110  C 90365.52834460  .00000020  00000-0  99999-4 0   304
2 21008  64.8407 151.6339 0008237 293.5091  66.3705  2.13100586   518
1990 110F
1 21011U 90110  F 90358.94519401  .00000020  00000-0  99999-4 0   121
2 21011  64.8310 151.8449 0008236 323.7167  36.2116  2.13257644   361
1990 110G
1 21012U 90110  G 90365.33752547  .00000422  00000-0  45246-3 0   225
2 21012  64.9029 143.8153 5794274 348.4419   2.4402  4.22975947  1017
1990 110H
1 21013U 90110  H 90365.33818956  .00000500  00000-0  54438-3 0   177
2 21013  64.7791 143.8024 5793423 348.5444   2.4182  4.22964713  1017
Cosmos 2112
```

```
1 21014U 90111  A 90361.03795389  .00000265  00000-0  11172-3 0   149
2 21014  74.0465 175.4323 0030013 304.0366  55.7931 14.30070113  2394
1990 111B
1 21015U 90111  B 90365.91199165  .00001096  00000-0  41904-3 0   195
2 21015  74.0511 166.4902 0025691 316.9215  42.9923 14.31597598  3090
Raduga 26
1 21016U 90112  A 90364.25476218 -.00000164  00000-0  99999-4 0    71
2 21016   1.4446 273.8717 0004080  27.7870 333.2798  1.00299985    30
1990 112D
1 21019U 90112  D 90359.26763367 -.00000081  00000-0  99999-4 0    60
2 21019   1.4534 274.7332 0020064   8.0624 352.7230  1.00014341    53
1990 112E
1 21024U 90112  E 90360.25786479  .00000151  00000-0  99333-4 0    21
2 21024  47.2928 270.1979 7272647   1.0671 359.8918  2.27245400   164
1990 112F
1 21025U 90112  F 90354.97773334  .00325590  00000-0  48168 0 0    66
2 21025  47.3558 271.6589 7253435 359.7658   0.0361  2.26274278    48
Cosmos 2113
1 21026U 90113  A 91  1.57139524  .00364647  72504-4  36507-3 0   247
2 21026  64.7604 178.1641 0027768  76.7070 283.7407 16.09938652  1826
Cosmos 2114
1 21028U 90114  A 90362.08268838  .00000022  00000-0  99999-4 0    85
2 21028  82.5766 226.0028 0003249 150.1258 210.0019 12.62466447   734
Cosmos 2115
1 21029U 90114  B 90362.07917468  .00000022  00000-0  99999-4 0    74
2 21029  82.5670 225.9915 0002297  52.6041 307.5259 12.63239772   738
Cosmos 2116
1 21030U 90114  C 90362.07565775  .00000023  00000-0  99999-4 0    66
2 21030  82.5738 225.9942 0005937  13.7132 346.4120 12.64015139   737
Cosmos 2117
1 21031U 90114  D 90362.07271921  .00000023  00000-0  99999-4 0    64
2 21031  82.5739 225.9925 0009555  22.7177 337.4337 12.64665369   735
Cosmos 2118
1 21032U 90114  E 90362.07010357  .00000023  00000-0  99999-4 0    69
2 21032  82.5647 225.9834 0012301  16.5649 343.5843 12.65242581   739
Cosmos 2119
1 21033U 90114  F 90362.06655555  .00000023  00000-0  99999-4 0    53
2 21033  82.5713 225.9849 0016233   9.9943 350.1470 12.66026046   738
1990 114G
1 21034U 90114  G 90365.62137714  .00000020  00000-0  99999-4 0    81
2 21034  82.5648 223.8067 0039683 183.3619 176.7201 12.55424605  1170
Cosmos 2120
1 21035U 90115  A 91  1.53513655  .00147351  72269-5  27545-3 0   181
2 21035  82.5741 282.6500 0079722  63.1495 297.8125 15.95056525   971
Raduga 1-2
1 21038U          90361.23319647 -.00000027           10000-3 0    37
2 21038   1.5189 272.5599 0033449 294.4127  66.3215  0.97875534    13
1990 116D
1 21041U 90116  D 90365.29867300  .00000035  00000-0  99999-4 0    14
2 21041   1.4867 272.7790 0039954  13.1888 350.3702  0.98737281    59
1990 116E
1 21044U 90116  E 91  1.01064563 -.00000027  00000-0  00000 0 0    62
2 21044  47.3047 270.8078 7310665   1.1114 359.9938  2.22557507    96
```

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1990 116F
1 21045U          90362.86533763 -.00000027                    0    15
2 21045  47.3665 271.5681 7285836   0.4393 358.3956  2.22160015    23
1990 102G
1 21046U 90102  G 90363.09219134 -.00000119  00000-0  99999-4 0    10
2 21046   1.3880 273.2190 0021479  38.8683 322.3725  0.97870164   116
```

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

---

From 3268565996651121156
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15f24baaed0fb4cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 17:37:52 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!elroy.jpl.nasa.gov!zardoz.cpd.com!dhw68k!emmayche
From: emmayche@dhw68k.cts.com (Mark Hartman)
Newsgroups: rec.ham-radio
Subject: Re: AutoPatch Phone Bills
Message-ID: <1991Jan5.235451.5690@dhw68k.cts.com>
Date: 5 Jan 91 23:54:51 GMT
References: <9101041736.AA04775@ucsd.edu>
Organization: Wolfskill & Dowling residence; Anaheim, CA (USA)
Lines: 28

LWRCLMR@SACEMNET.AF.MIL (Michael Barnes) writes:

>I seem to recall discussion here before regarding phone rates for ham
>autopatches/repeater control. We recently had a problem where our phone line
>of the past six years was disconnected due to a mix-up when we changed mailing
>addresses. Now the phone company insists we have a business line for our
>repeater instead of the residential line we had for the past six years. When
>we griped, they said we were lucky they didn't charge us back fees for having
>the wrong service.

Pacific Bell recently received a ruling from the FCC on this, that you may want to check out. The gist of it was that (a) the line is connected to amateur radio equipment, and nothing else; (b) commercial traffic is prohibited on amateur radio; (c) the phone line will therefore be only an extension of personal, not commercial, use; (d) therefore, amateur radio stations are entitled to residential rates.

This ruling may have been from the PUC, but complain to your state PUC, especially if they're elected officials. If that doesn't work, get some press like "Michigan Bell raises rates for emergency phone lines."

That should get some action.

--
Mark Hartman, N6BMO   "What are you just standing there for? Where
Applelink: N1083 or BINARY.TREE   do you think you are, DIS-ney World??"

```
Internet: emmayche@dhw68k.cts.com                -- General Knowledge, from
uucp: ...{spsd,zardoz,felix}!dhw68k!emmayche                CRANIUM COMMAND
```

From -6628679124860397802
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,225090b464160b83,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 18:34:39 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!TRIUMFER.BITNET!MULTI
From: MULTI@TRIUMFER.BITNET
Newsgroups: rec.ham-radio
Subject: 600 Hz cw filter required for Yaesu FT101
Message-ID: <91Jan5.205313est.57562@ugw.utcs.utoronto.ca>
Date: 6 Jan 91 00:48:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6

Does anyone know where I might obtain a 600 Hz CW filter for a Yaesu
FT101? I am also looking for the two rubber front feet for the FT101.

Y.N. Miles,
VE7-ALQ,
<TRIUMFCL.bitnet>

From 4734569038569217828
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,51150b03f5d94963,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 18:34:43 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!TRIUMFER.BITNET!MULTI
From: MULTI@TRIUMFER.BITNET
Newsgroups: rec.ham-radio
Subject: Wanted: 600 Hz cw filter for Yaesu FT101
Message-ID: <91Jan5.205920est.57566@ugw.utcs.utoronto.ca>
Date: 6 Jan 91 00:54:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8

Does anyone know where I might obtain a 600 Hz CW filter for a Yaesu
FT101? I am also looking for the two rubber front feet for the FT101.

Y.N. Miles,
VE7-ALQ,
<MULTI.TRIUMFcl.bitnet>

ps: Sorry for the wrong BITNET address in earlier messsage.

From -1482791536678112068

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ffd0a142b487c22
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 19:34:08 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!elroy.jpl.nasa.gov!decwrl!hayes.ims.alaska.edu!acad3.alaska.edu!ftpam1
From: ftpam1@acad3.alaska.edu (MUNTS PHILLIP A)
Newsgroups: rec.ham-radio
Subject: Re: FCC via Internet
Message-ID: <1991Jan6.031153.3091@ims.alaska.edu>
Date: 6 Jan 91 03:11:53 GMT
References: <996.2786147F@w8grt.fidonet.org>
Sender: usenet@ims.alaska.edu (J Random USENET)
Reply-To: ftpam1@acad3.alaska.edu
Organization: University of Alaska Fairbanks
Lines: 30
News-Software: VAX/VMS VNEWS 1.3-4
Nntp-Posting-Host: acad3.alaska.edu

In article <996.2786147F@w8grt.fidonet.org>, jim.grubs@w8grt.fidonet.org (Jim Grubs) writes...
>For the benefit of whoever asked:
>
>They have no uucp map according to UUNET.UU.NET. House of Representatives, yes.
>Department of Labor, yes. Federal Reserve Board, yes. Democratic National
>Committee, yes.
>
>Who has a zillion maps? The IRS, of course. Most featuring a feller by the name
>of Jon Albers, KA3OVK. (Remind me not to flame HIM on rec.ham-radio!)
>
>The pattern of who has uucp addresses and who doesn't is so random that
>obviously it is purely a 'local option,' depending perhaps on who does the
>computer housekeeping chores. One map included the plaintive plea for more
>intragovernment connections!
>
>--
>Jim Grubs - via the friendly folks at UUNET
>UUCP: ...!uunet!w8grt!jim.grubs
>INTERNET: jim.grubs@w8grt.fidonet.org

On a similar theme, I had occasion to call the local FCC Field Office several months ago. I needed to know the licensees on a particular land mobile channel. (None listed, but plenty of monitored activity, BTW). The woman who handled my inquiry needed time to look it up in their files and offered to call me back. I was headed out so I told her to fax it; I would leave my machine on. She replied, "We're the FCC...we can't DO that!"

Philip Munts N7AHL
NRA Extremist, etc.
University of Alaska, Fairbanks

From -7198403356274120579

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4ab30328957c0415,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 22:15:36 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!mips!pacbell.com!att!news.cs.indiana.edu!ariel.unm.edu!nmsu!opus!owhite
From: owhite@nmsu.edu (smouldering dog)
Newsgroups: rec.ham-radio
Subject: possible weather satellite rcvr?
Message-ID: <OWHITE.91Jan5221402@haywire.nmsu.edu>
Date: 6 Jan 91 05:14:02 GMT
Sender: news@NMSU.Edu
Distribution: rec.ham-radio
Organization: Computing Research Lab
Lines: 17

first off:thanx for all THE GREAT ANSWERS to my previous weather satellite questions

I have been offered a reasonable deal for a NEMS-Clarke receiver model 1701 (~10-400MHz) and it has no manual. I was wondering if anyone has used this for APT satellite reception (137MHz). or if anyone owns one of these could they give me an idea of what kind of gain I can expect?

thanx,

--

owen white   (owhite@nmsu.edu)

-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-*-=-=-*-=-
got my head on a pole (for better reception)
-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-*-=-=-*-=-

From -4025148364401967223
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4bb4c66267f8ef88,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 22:23:44 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!yale!cmcl2!panix!schuster
From: schuster@panix.uucp (Michael Schuster)
Newsgroups: rec.ham-radio
Subject: Good Scanner Antenna!
Message-ID: <1991Jan6.012920.1006@panix.uucp>
Date: 6 Jan 91 01:29:20 GMT
Organization: PANIX - Public Access Unix Systems of NY
Lines: 15

A friend has a handheld cellular phone. I have an AR 1000 scanner. I've been less than impressed with the high band sensitivity of the rubber whip antenna it comes with.

Anyway, just for fun I connected my friend's Radio Shack "high gain portable cellular antenna" to my scanner using a TNC-to-BNC adaptor. Wow! The gain is MUCH batter on all bands down to aircraft. It's a bit pricey ($29.95) but does seem to make a much better scanner antenna on VHF-hi and above. And it's much less of a pain than the BNC-base telescopic antennas.

```
--
l\  /l '     _    Mike Schuster          ...!cmcl2!panix!schuster
l \/ l l l/ (_    NY Public Access       CIS:70346,1745
l    l l l\ (_    UNIX Systems           MCI Mail,GEnie:MSCHUSTER
```

From -7743683248967460593
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88a0e58d08c1b1f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 22:33:56 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!elroy.jpl.nasa.gov!ncar!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: new technician license
Summary: reply comment
Message-ID: <763@wells.UUCP>
Date: 6 Jan 91 04:25:00 GMT
References: <989.2785C6CD@w8grt.fidonet.org>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 33

In article <989.2785C6CD@w8grt.fidonet.org>, jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

>
> In general, maybe; but clearly the FCC wants the codefree license and that
> means they want the process to work. They won't throw a monkey wrench in the
> machinery needed to make it work.
> Jim Grubs - via the friendly folks at UUNET

I repeat: if you're thinking about calling the FCC *** D O N T ****.
Every so often someone manages to get in a pissing match on the phone with someone in the FCC and out comes a ruling giving everyone headaches.
As for getting any answers about testing, etc. from a field office: not much chance. You're lucky if you can get a reference to where there are VE sessions in your neighborhood.
Please leave the mechanics to our quite able crop of VEC's, mainly ARRL and W5YI.
Both are quite with it, are trying to be fair to everyone, have the proper lines of communication, and will broadcast everything that should be known as soon as is practical.

As for Jim's comment about the FCC >>> monkey wrench, etc <<<< the FCC has abdicated all testing business to the VEC's and quite clearly doesn't want to be bothered, and for a good reason: their budget has been cut to the point that their absolutely necessaryh commercial work is suffering, and they just haven't the facilities or time to do much for the Amateurs. My first hand experience has been exceptional cooperation to the extent possible, but we hams have to take a low priority in their work schedule and the way things are they'll never be caught up.

Summary: do everyone a favor and stay clear of the Commission. You can get all the answers you want either from your Section Manager, your Division Director (You ARE an ARRL member, aren't you), or if you're a VE, your VEC.

From -5130494673480326120
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e23c8793556882ac
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 22:33:59 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!ncar!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: Code vs. No-Code Compromise?
Summary: re qwaivers
Message-ID: <764@wells.UUCP>
Date: 6 Jan 91 04:51:41 GMT
References: <990.2785C6D3@w8grt.fidonet.org>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 72

In article <990.2785C6D3@w8grt.fidonet.org>, jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>
> > From: k3tx@wells.UUCP (Dave Heller)
> > I am very much bothered by this code-waiver bullshit. If someone
> > is not able to pass a test, tough. There's no rule saying EVERONE
> > has to be given a ham ticket.
>
> No, but there's a Consitution and Civil Rights laws that say, "Before you say
> 'No', you'd better have a damn good reason." I doubt if "Dave Heller thinks
> it's bullshit" would qualify.
>
> Jim Grubs - via the friendly folks at UUNET

Jim, I have to agree that your " . . . " would hardly qualify.
However,
Is an amateur license a god=given or constitutional right --
or is it a
Privilege to be earned.
I made an earlier posting of part of a club paper article
giving three facecious waiver cases plus
three real-life instances of terribly handicapped amateurs
who can or could outrun most of us -

a totally blind-deaf elderly man who is not only a really good
operator and a pleasure to engage in QSO, but also has served
ACTIVELY as an officer of his club.
-- His opinion of waivers is hardly to be repeated.
Did you ever have the pleasure of workng the late K9EAB? If so,
you're a real top speed CW op, as otherwise you could have never
kept up with him, and you'd never have guessed he wore an iron
lung and had essentially zero muscular control below the neck.
And K3KTH. A regular traffic net control, and a good one. I
wondered why his CW occasionally took off "uncontrolled" for a
few seconds until I met him. A brilliant young fellow, but
tightly strapped into his wheelchair because of his spastic condition.

I've discussed this Waiver bit with sociologists who work with the
handicapped; the general feeling is that it would be nice if
everyone could do everything, but things don't work that way.
If a handicap prevents you from doing something, well, so be it.

(Note that the way this bit is written up I think I could qualify
for a "free" Extra, due to a manual motor control problem. I
unfortunately went for the Extra 30 years too soon.)

If the "ruling" actually prevented some deserving people from being
shut out of Amateur Radio I'd be all for it. It doesn't. They
still have to pass the 5 to get the N+T privileges, and now need
only 2 & 3A - no code whatever - for VHF. The higher grades
do require more - 1B or 1C, 3B, 4A and 4B - in order to get everything.
Some find element 1 to be their biggest problem (that includes me).
Som e have problems with the theory, even though it's been simplified
so much by publishing all the questions and answers, so that plain
memorization can do the job that used to require knowledge.
How about those who are handicapped by a comparatively low IQ?
Should they just sign a statement that the test is too hard for them
and get an automatic Advanced?

The varied handicapped rulings as I interpret them (and I admit
not to having studied them at length) prevent discrimination
because of "condition". I'm all for it.
But to say that because of some condition someone should be given
something that is hardly necessary to his welfare because of hjis
handicap is to me a bit different. Reverse discrimination?
Who cares. But it is in reality the biggest insult to the
true handicapped people who have proven themselves in spite of
their "conditions".

Am I inviting some flaming? I hope so, and I welcome it.

And, Jim, I enjoy your postings. Keep up the good work.

73 to all

From 69771022847133250

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17e278fa2b084223
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 22:34:01 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!elroy.jpl.nasa.gov!ncar!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: off the deep end
Summary: about Hugh Turnbull, W3ABC
Message-ID: <765@wells.UUCP>
Date: 6 Jan 91 05:16:15 GMT
References: <991.2785C6D8@w8grt.fidonet.org>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 38

In article <991.2785C6D8@w8grt.fidonet.org>, jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

> > position (sending in their VEC credentials as a protest) are assinine?
>
> Because a VE is supposed to carry out policy, not generate it. Above all,
> contrary to what Hugh Turnbull seems to be hinting, his approval or
> 'ratification' of FCC policy is not needed. A VE is entitled to his opinion,
> but it should be expressed at the top of the funnel, not the bottom.
> Jim Grubs - via the friendly folks at UUNET

To add to Jim's comment:
The VE has volunteered for the job.
It is time consuming, and if properly performed, gets
thanks from many, and bitter complaining from a few.
The VE, in accepting the job, agrees to follow the
book to the letter and while on the job keep his comments
to himself. He does have the right to refuse testing
to any individual, at least that's the way I understand
it, but that in practice should be limited to the
disruptive individual who is unwilling to follow
instructions. If a VE doesn't like any part ofthe
system he's free to leave it, and probably should.

About Hugh Turnbull: though I've only spoken to Hugh very
briefly on the air in the past couple weeks, I strongly
believe he's been misquoted somewhere. I don't know
first hand how the other directors work, but Hugh tries
successfully to learn how the thoughts of the entire
Amateur community are running (this through personal
contact and a strong Vice Director + Assistant Director
network) and make things in general do as the majority
would have it. Naturally this leaves the minority madder
than hell. His past contacts plus his location make him
one of the prime DC contacts for ARRL. His working life
resume' is impressive. In my opinion we're lucky to have
such a man devoting the effort to Amateur Radio. Hugh is
accessible to everyone - letters are usually answered by

return mail and his phone is published in QST. And he shows up at more hamfests than would seem possible.

From 7741158547918298796
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,190ffb7ee4c3a4ca,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 22:50:54 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!root
From: root@n8emr.UUCP (Root)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1972@n8emr.UUCP>
Date: 5 Jan 91 17:15:18 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 81

From N8JYV Sat Jan 5 01:35:40 1991
Return-Path: <N8JYV>
Message-Id: <m0is7RF-0000bMC@n8emr.uucp>
[Date: Sat, 5 Jan 91 01:35 EST
[To: <ALL@N8EMR>
R:910105/0559z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:167 Z:43232

R:910104/0431z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:134 Z:43232
R:910104/0421z @:W8CQK Columbus, OH #:9216 Z:43229
R:910103/2138 @:WB8BII.OH.USA.NA Cuyahoga Falls, OH #:17051 Z:44223

ZCZC AE07
QST DE W1AW
DX BULLETIN 1 ARLD001
FROM ARRL HEADQUARTERS NEWINGTON CT
JANUARY 4, 1991
RELAYED BY KB8NW/OBS & BARF-80 BBS
TO ALL RADIO AMATEURS

THANKS TO JOE SAND, KnGX, AND THE TRISTATE DX PACKET CLUSTER NETWORK, FOR THE FOLLOWING DX INFORMATION.

AFGHANISTAN, YA. THE YA0RR OPERATORS WERE DELAYED IN TASHKENT FOR ONE DAY ON ROUTE TO KABUL. THEY VISITED THE SOVIET EMBASSY IN KABUL, JANUARY 2ND, AND ARE NOW RETRIEVING THEIR EQUIPMENT FROM CUSTOMS. OPERATIONS COULD COMMENCE AT ANY TIME. QSL YA0RR VIA ROMEO STEPANENKO VIA BOX 812, SOFIA 1000, BULGARIA. RTTY CONTACTS MAY ALSO BE CONFIRMED BY UT5RP. STATIONS WITH MORE THAN ONE CONTACT PER MODE MAY FIND THEIR WAIT FOR A QSL TO BE LONGER THAN OTHEJS.

BAHRAIN, A9. A92BE HAS A BIG SIGNAL ON 75, 17, AND 12 METERS AND IS EXPECTED TO BE ON THE TOP BAND AT ANY TIME.

CENTRAL AFRICAN REPUBLIC, TL. TL8SC, CARL, LIKES 14 MHZ SSB AT 2300 UTC.

COMOROS, D68. D68JM STILL ROAMS 20 METER SSB AT 0300 UTC. TRY 14153 KHZ. QSL VIA WV4F.

ETHIOPIA, ET. GABI, DL2BCH, SAYS THAT AN ITALIAN GROUP HAS 3 COMPLETE STATIONS SHIPPED TO ETHIOPIA IN ANTICIPATION OF A LICENSE. IK6DPW EXPECTS TO ARRIVE JANUARY 15. IF HE IS SUCCESSFUL IN OBTAINING A WRITTEN LICENSE, OPERATIONS WILL COMMENCE IMMEDIATELY. QSL VIA I8YCP.

IRAQ, YI.   YI1BGD LOGS UP TO OCTOBER 13, 1990, HAVE BEEN HAND CARRIED
Y1{p2,@x.p"@`.p2*&ajpOUT OF IRAQ. CONTACTS WITH OPERATOR SAMI, QSL VIA ON7LX.
CONTACTS
OUT OF IRAQ. CONTACTS WITH OPERATOR SAMI, QSL VIA ON7LX. CONTACTS WITH OPERATOR ALI, QSL VIA JR1AIB. CONTACTS WITH OTHER OPERATORS, QSL VIA JL1BLW.

KURE ISLAND, KH7. KD7P/NH7 HAS CONCLUDED A SUCCESSFUL 2 WEEK OPERATION HERE AND INFORMS US THAT KH6JEB WILL VISIT KURE IN FEBRUARY.

LORD HOWE ISLAND, VK9. JOE, N4MQX, PLANS TO OPERATE FROM HERE DURING MARCH, INCLUDING THE WPX SSB CONTEST. HE WILL BE USING A BEAM AT FIFTY FEET.

MALAGASY REPUBLIC, 5R. 5R8JD HAS BEEN ACTIVE THIS WEEK. 5R8GN OPERATED 12 AND 17 METERS, POSSIBLY FOR THE FIRST TIME EVER FROM HERE, ON JANUARY 2.

MONACO, 3A. LOOK FOR 3A/F9UW/M ANY MORNING ON 17, 15, 12 OR 10 METER SSB.

NIUE, ZK2. LOOK FOR ACTIVITY FROM HERE BY MID-MONTH, AS ELI AND MIKI MOVE ON FROM THEIR ZK1 OPERATION.

SAN FELIX, CE0X. XQ0X HAS BEEN ACTIVE ON 14236 KHZ AND ALSO ON 10 METERS IN THE MORNING.

SIE2bA*LEONE, 9L. 9L1US HAS A BIG 75 METER SIGNAL AT 2100 UTC.

TEN METERS SEEMS TO BE THE BEST PLACE TO HUNT DX THESE DAYS WITH A22AA, A71CD, FP8HL, H5AW, JY5FA, OD5RX, OY9JD, TA3PB, T77T, VK9NS, XQ0X, ZD7VC, ZD8DX, 8Q7BX, AND 9H4R RECENTLY HEARD OR WORKED.

GOOD LUCK WN DX,DF KB8NW/OBS

From 5393977829111383195
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4894f133cff41a6

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 22:50:57 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!bagate!cbmvax!heimat!dan
From: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Newsgroups: rec.ham-radio
Subject: Re: RF and the outer limits...
Message-ID: <241@heimat.UUCP>
Date: 6 Jan 91 04:05:16 GMT
References: <9012311443.AA29811@hermes.intel.com>
<1991Jan1.183915.10276@bellcore.bellcore.com> <211@platypus.uofs.edu>
Reply-To: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Organization: Sneakers Computing, West Lawn, PA
Lines: 24

In article <211@platypus.uofs.edu> bill@platypus.uofs.edu (Bill Gunshannon)
writes:
>In article <1991Jan1.183915.10276@bellcore.bellcore.com>, karn@envy..bellcore.com
(Phil R. Karn) writes:
>>
>> Seriously, I doubt that any civilization that really wanted us to detect its
>> signals would be spreading them, precisely because that would expand the
>> search space horribly without providing any real compensating advantage.
>
>Yeah Phil, but that is assuming they really want us to detect them.
>
>Maybe they really have been here already and want nothibng to do with us.
>Of course it would be different if we all knew CW.  :-)

 Bill your reply was close to my thoughts. Except I figure they don't want
 anything to do with a world so undeveloped they still use and fight over
 the need for CW.
--
     |\/\/\/|   +---------------------+--------------------------+      _____
     |      |   |   US Mail Address   |      E-Mail Address      |     /     \
     | (o)(o)   +---------------------+--------------------------+    |     \/\/
     (     _)   | Sneakers Computing  | dan%heimat@commodore.com |    (o)(o)  |
      | ,___|   | 2455 McKinley Ave.  |          -or-            |   (_---.   )
      |   /     | West Lawn, PA 19609 | uunet!cbmvax!heimat!dan  |    |___.| |
     /    \     +---------------------+--------------------------+     \__/  |
    /______\                                                           /_____\


From -3366148326948863547
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,190ffb7ee4c3a4ca
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 22:51:02 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!root
From: root@n8emr.UUCP (Root)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1973@n8emr.UUCP>
Date: 5 Jan 91 17:15:30 GMT
```

Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 24

Return-Path: <N8JYV>
Message-Id: <m0is7M7-0000aBC@n8emr.uucp>
[Date: Sat, 5 Jan 91 01:35 EST
[To: <ALL@N8EMR>
R:910105/0602z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:169 Z:43232

R:910103/0235z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:90 Z:43232
R:910103/0231z @:W8CQK Columbus, OH #:9086 Z:43229
R:910102/1812 @:WB8BII.OH.USA.NA Cuyahoga Falls, OH #:16863 Z:44223

ZCZC AG66
QST DE W1AW
ARRL BULLETIN 1 ARLB001
FROM ARRL HEADQUARTERS NEWINGTON CT
JANUARY 2, 1991
RELAYED BY KB8NW/OBS & BARF-80 BBS
TO ALL RADIO AMATEURS

On December 19th, 1990, FCC granted an ARRL request for extension of the Special Temporary Authority, 7230-J, which allows specific amateur stations to use automatic control when transmitting certain digital communications below 29.7 MHz. The FCC extension of the STA is one year.

From 6249296403312110508
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,190ffb7ee4c3a4ca
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 22:51:06 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!root
From: root@n8emr.UUCP (Root)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1974@n8emr.UUCP>
Date: 5 Jan 91 17:15:44 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 31

Return-Path: <N8JYV>
Message-Id: <m0is7OC-0000owC@n8emr.uucp>
[Date: Sat, 5 Jan 91 01:35 EST
[To: <ALL@N8EMR>
R:910105/0601z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:168 Z:43232

R:910103/0839z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:102 Z:43232
R:910103/0805z @:W8CQK Columbus, OH #:9124 Z:43229

R:910102/2132 @:WB8BII.OH.USA.NA Cuyahoga Falls, OH #:16889 Z:44223

ZCZC AP57
QST DE W1AW
PROPAGATION FORECAST BULLETIN 1 ARLP001
FROM ED TILTON, W1HDQ SPRING HILL FL
JANUARY 3, 1991
RELAYED BY KB8NW/OBS & BARF-80 BBS
TO ALL RADIO AMATEURS

SOLAR ACTIVITY IN DECEMBER MADE A STRONG FINISH FOR THE FIRST YEAR OF THE NEW DECADE. PREVIOUS MONTHS HAD FLUX READINGS AS LOW AS 122, BUT THE DECEMBER LOW, WHICH CAME ON THE FIRST DAY, WAS 176. ALL THE OTHER DAYS REACHED 182 OR HIGHER. THE DECEMBER PEAK, 239, WAS THE HIGHEST SINCE AUGUST. PROPAGATION WAS GENERALLY GOOD, AND THERE WERE NO SERIOUS MAGNETIC DISTURBANCES.

THE NEW YEAR STARTED WITH THE FLUX AT 184. THE SURFACE OF THE SUN WAS ALMOST UNCHANGED IN RECENT DAYS, AND NO NEW ACTIVITY WAS SEEN TODAY. HOWEVER, NEW LIFE IS EXPECTED SOON. THIS BULLETIN WAS SHORTENED BY HOLIDAY DOINGS. BOTH NEW SOLAR ACTIVITY AND THE TIME TO USE IT SHOULD PROVIDE MORE LIFE FOR NEXT WEEKS BULLETIN.

From 3854666634848955446
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64068f8524961568,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 22:51:27 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes 1/4/91
Message-ID: <1977@n8emr.UUCP>
Date: 6 Jan 91 03:17:44 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 169

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|         Relayed from packet radio via                |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
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SB RTTYDX @ ALLBBS $RTDX0104
RTTY DX Notes 1of3 1/4/91

RTTY DX Notes for week ending 4th January 1991
BID: $RTDX0104
Part 1 of 3.

We hope that you all have a happy and peaceful 1991, with lots of DX.

In this job one does a lot of looking around the bands, and it never ceases to amaze me the lack of protocol knowledge demonstrated by some stations, especially by the computer buffs. It seems that most of them assume that the computer inserts the carriage return-line feed for them, but in a lot of cases it does not, and so the people with the printers acquire a black dot on the right hand side of the page, or maybe there is a carriage return but no line feed, so the whole QSO finishes up on one line. Makes it very hard to read. The correct protocol (from years back) is two carriage returns, one line feed and two letter cases for each line. Then you are sure that the other chap is receiving you. Oh yes, the line length is 64 characters.

Our thanks this week go to DJ3IW and the Saar/Pfalz Packet Cluster, I5FLN, I5ICY, I5IGQ, JA1BLV, OD5NG, TG9VT, VE3OXC, VE3XJ, VK2EG, W2JGR and the Tri-State DX Packetcluster Network. Thank you all for your help and news and hope that it will continue for a long time. Have a happy year chaps with lots of DX.

Bandpass:

Friday 28:

VP8CEL	21091	at	0005Z	QSL
HL9RY	14086	at	0109Z	
7Z1AB	14074	at	0758Z	ARQ
RH8AX	14093	at	0800Z	
RA9MA	14086	at	1207Z	
TF/KE0YG	28081	at	1350Z	
A92ET	14065	at	2010Z	FEC

Continued in part 2.

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/EX
SB RTTYDX @ ALLBBS $RTDX0104A
RTTY DX Notes 2of3  1/4/91
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RTTY DX Notes for week ending 4th January 1991
BID: $RTDX0104A
Part 2 of 3.

Saturday 29:

V85GA	21076	at	0340Z	
TK/DL7HX	14087	at	0850Z	
LY2BBF	21084	at	1233Z	QSL
J39BS	28086	at	1243Z	
TF4LB	28086	at	1330Z	
8P6AC	21083	at	1603Z	
7Z1AB	14074	at	1650Z	ARQ
N2FBB/VP2E	21090	at	2000Z	
ZB2JB	21088	at	2020Z	QSL

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JX7DFE      14083  at  2140Z

Sunday 30:
9H3HTH       7044  at  0251Z  Note
UL7LR       14086  at  0616Z
VP8BFH      14084  at  1011Z
YS/WD4IFN   21090  at  1254Z  QSL/Note
VP2EE       21087  at  1335Z  QSL
4Z80TA      28089  at  1342Z  QSL/Note
TF/KE0YG    28096  at  1740Z
OX8CJ       21086  at  1754Z
8R1RPN      21086  at  1825Z
7Z1AB       14074  at  1739Z  ARQ

Monday 31:
AL7MK       21080  at  0036Z
KP2N        21086  at  0119Z
YS/WD4IFN   14086  ar  0300Z
JX7DFA      14084  at  0405Z
UL7LR       14085  at  0458Z
V85EB       21085  at  0827Z
4Z80TA      28090  at  1400Z
VP2EE       28088  at  1648Z
EA8GS       21088  at  2015Z
ZB2JB       21090  at  2116Z

Tuesday 1:
V85EB       21087  at  0340Z
RA3YG       28093  at  1306Z
HE7DEW      28088  at  1327Z  Note
EI8GL       28087  at  1348Z
KP2N        21086  at  1430Z
ZB2JB       28089  at  1525Z
YS/WD4IFN   28089  at  1610Z
8P6KW       28090  at  1651Z
V51P        21084  at  2003Z
ZD8BOB      21085  at  2148Z

Wednesday 2:
TA6D        14071  at  0506Z  ARQ
4Z80TA      28089  at  1503Z
ZP6XDW      18102  at  1752Z
3B9FR       14091  at  1902Z  QSL

Thursday 3:
KP2N        14090  at  0027Z
9M2FO       14085  at  0448Z

Continued in part 3.
/EX
SB RTTYDX @ ALLBBS $RTDX0104B
RTTY DX Notes 3of3  1/4/91
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RTTY DX Notes for week ending 4th January 1991
BID: $RTDX0104B
Part 3 of 3.

QSL Information:

VP8CEL was just a visitor to the Falkland Islands, so QSL to G4PVM.

ZB2JB will QSL via Box 292, Gibraltar.

LY2BBF requests his cards go to Box 1029u, Vilnius, Lithuania, 232012 USSR.

VP2EE says to QSL to KA3DBN.

4Z80TA will QSL via 4X6LM.

3B9RF stated he would like his cards via Box 31, Rodriguez Island, via Mauritius.

Notes of Interest:

YA0RR RTTY frequencies are 14082, 21082 and 28082 KHz. Other frequencies and operating proceedures are available from your local mailboxes (in most cases). They will also include the QSL path for those other modes. RTTY QSL cards go to UT5RP. He has shown up on CW on 21 MHz, but some people did not think that he was real and were deliberately jamming. There are some lovely people around these days.

9H3HTH is a special call for 'Help The Handicapped'. Give them a call.

4Z80TA will be active until 30th January.

YS/WD4IFN, Herman says that he will be there for three years.

'HE' is a special call for the 'HB' stations and will be used all of this year.

Hope that you have a happy 1991

GL DE DX1 (VK2SG) AT TG9VT.

Written by VK2SG. Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA. Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU, or via the VK2AGE AMTOR APLINK mailbox system.
/EX

From 5903054671870904951

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,515303ac6dadd79e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 22:52:43 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!julius.cs.uiuc.edu!apple!chuq
From: chuq@Apple.COM (The Wandering Phew)
Newsgroups: rec.ham-radio
Subject: Re: An Outside Viewpoint
Message-ID: <47791@apple.Apple.COM>
Date: 6 Jan 91 06:41:04 GMT
References: <9012211713.AA00940@ucsd.edu> <7880396@hpfcdc.HP.COM>
<1991Jan5.010558.18137@NCoast.ORG>
Organization: Under that bluish-grey looking rock
Lines: 18

allbery@NCoast.ORG (Brandon S. Allbery KB8JRR) writes:

>Yes, but what happens when there are no more auto mechanics, because nobody
>wants to learn how?

Well, look to history. Around the turn of the century "manual" jobs were out of fashion and so trade skills like plumbers were in very short supply. One offshoot of this was that William McKinley was shot in 1901 and might well have survived except that the facilities were inadequate and he took an infection. If there had been proper plumbing (which would have been if there had been plumbers, which would have been if plumbing hadn't been considered a 'dirty' career) lots of history might have been rewritten.

--
Chuq Von Rospach   <+>   chuq@apple.com   <+>   [This is myself speaking]

USENET has the power to change society radically, but
instead spends all its time arguing about trivia.

From 4689145651630859504
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e0dd282a1c84fe93,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 22:53:00 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!wang!tosspot!lee
From: lee@tosspot (Lee Reynolds)
Newsgroups: rec.ham-radio
Subject: Free AMSAT software?
Message-ID: <242BV1w163w@tosspot>
Date: 6 Jan 91 03:27:12 GMT
Organization: Ludus Associates Incorporated
Lines: 23

An observation:

AMSAT have stated that various bits'n'pieces of software are available FREE on the AMSAT/DRIG BBS.

There is one caveat - as far as I am able to discern, you do not have downloading privileges on DRIG BBS unless you pay for them.

Question:

A) Am I missing something on DRIG? (an additional validation step, something else?)

B) If this Catch-22 does exist, is there anyone out there with access to the free components of the AMSAT software library that would be willing to work with me to get them posted on FREE amateur boards more readily?

Lee

(Please, don't start waffling on about how everyone should pay to support their local/remote BBS etc., I already do more than my share of uploading to support the buggers I regularly use....)

From 2200784531709499231
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fc80049cdc1e074,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-05 23:15:36 PST
Path: gmdzi!unido!mcsun!uunet!n3dmc!johnl
From: johnl@n3dmc.svr.md.us (John Limpert)
Newsgroups: rec.ham-radio
Subject: Yaesu FT-23R battery problem
Message-ID: <1991Jan6.063938.15983@n3dmc.svr.md.us>
Date: 6 Jan 91 06:39:38 GMT
Organization: N3DMC, Silver Spring, Maryland
Lines: 12

My FT-23R has been acting weird lately. Sometimes there is no audio when it is first turned on. Wiggling the battery pack seems to aggravate the problem. I cleaned the contacts on the radio and battery pack but that didn't help. Does anyone have a fix for this? Is there some magic conductive goop that will insure a solid electrical connection?

--
John A. Limpert   The strongest reason for the people to retain the right
johnl@n3dmc.svr.md.us to keep and bear arms is, as a last resort, to protect
uunet!n3dmc!johnl themselves against tyranny in government. T. Jefferson.

From -5078230272963453267
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a52d93372ac7ed79,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1991-01-05 23:43:10 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpcc05!hpdmd48!ritchie
From: ritchie@hpdmd48.boi.hp.com (David Ritchie)
Newsgroups: rec.ham-radio
Subject: Re: Looking for N6YR
Message-ID: <530040@hpdmd48.boi.hp.com>
Date: 6 Jan 91 07:43:10 GMT
References: <10900@ucrmath.ucr.edu>
Organization: Hewlett Packard - Boise, ID
Lines: 16

>
>I'm looking for an old friend of mine. He and I lost track of each
>other about twenty years ago (in elementary school). I found his name
>in a ham database but the letter I sent to the address given came back
>"Forwarding Order Expired". Here's a copy of the data base entry for him:
>

You might try putting "Address Correction Requested" on the envelope.
I *think* that this info is kept around after 1 year -- it is probably worth
.25 to find out (they just won't forward mail for free after a year)
if the info is available thru this channel.

The other possibility is to try getting in touch with his parents if
they are still alive, who can probably give you the address.

-- Dave Ritchie
ritchie@hpdmd48.boi.hp.com N4DJS

From 6129794732214556302
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-06 03:46:24 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!agate!shelby!msi.umn.edu!cs.umn.edu!ux.acs!spexet
From: spexet@ux.acs.umn.edu (D. Robert Spexet II)
Newsgroups: rec.ham-radio
Subject: Rigs for beginners? (Was Re: Comments needed...)
Message-ID: <2992@ux.acs.umn.edu>
Date: 6 Jan 91 09:03:35 GMT
References: <9101031728.AA15712@ucsd.edu> <5490111@hpscdc.scd.hp.com>
Reply-To: spexet@ux.acs.umn.edu (D. Robert Spexet II)
Organization: University of Minnesota, Minneapolis
Lines: 31

In article <5490111@hpscdc.scd.hp.com> rkarlqu@hpscdc.scd.hp.com (Richard Karlquist) writes:
>
>Bottom line on the 757: It is one of the cheapest rigs on the market.
>It is also one of the poorest rigs on the market. You get what you
>pay for and no more. If that's all you can afford, it'll get you on
>the air. If you can afford a TS-440, etc., you will be glad you spent

```
>the extra money.
>

What I am interested in is this:  Which rigs, besides the wealth of fine
quality used equipment out there, would be good ones for a beginning ham?

I expect my first license to arrive in a few weeks, and I am wondering which
of the commercial rigs (that is, stuff from Yaesu, Icom, Kenwood, etc.) would
be a good starting rig for myself, in the event that I decide not to go for
used equipment.

I myself am interested in any comments that you people may have on Icom's
725, 726, and 735 models.  How is the performance on these beasts?  How easy
are they to use?  Things like that.

I'd love to hear anything that you all may have to say on this.

Thanks,

>Rick N6RK

-D. Robert Spexet II, Post Office Box 14909, Minneapolis, Minnesota 55414-0909
 Internet:  spexet@ux.acs.umn.edu
 BITNET:    spexet@umnacux.BITNET
 UUCP:       rutgers!umn-cs!ux.acs.umn.edu!spexet


From 5014603048124239988
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a5e40a6ea679ab8e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-06 09:48:11 PST
Path: gmdzi!unido!mcsun!uunet!wang!tosspot!lee
From: lee@tosspot (Lee Reynolds)
Newsgroups: rec.ham-radio
Subject: Piccolo
Message-ID: <1y6cV1w163w@tosspot>
Date: 6 Jan 91 17:48:11 GMT
Organization: Ludus Associates Incorporated
Lines: 21

To the gentleman asking questions about PICCOLO equipment -

I have never seen any PICCOLO hardware of either first or later
generations appearing on the market. The British Diplomatic Wireless
Service did use it, but I think they upgraded to another mode during
the late 70's. (I vivdly remember a demo of PICCOLO I attended in the
late 60's...of course, you shoulda seen the analog hardware they had
to use...)

HOWEVER - the same guy that designs the Universal M-600/800/1000/7000
is still considering building a PICCOLO add on unit that will work
from the M-7000's accessory connector. If you're interested, give Fred
```

Osterman at Universal Radio a call (he's a good guy, not only does he sell gear, he loves the hobby too!) and tell him that you want to add your vote t6o PICCOLO add-ons and to pass it on to the guy in Florida who's the daddy of this hardware!

If enough of us do this, perhaps they'll definitely start producing once it's clear that they can at least break even on the darn thing...

Lee   G8LCK

```
From 4538959496872855878
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2d5bcc1c5edbd5b3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-06 10:19:47 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!usc!ucsd!ucbvax!BGUVMS.BITNET!
RAFI
From: RAFI@BGUVMS.BITNET
Newsgroups: rec.ham-radio
Subject: Kenwood TH K 27 H.T.
Message-ID: <9101061637.AA11219@ucsd.edu>
Date: 6 Jan 91 16:35:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
```

This cute little HT purchased for us in a Tokyo ham store. No instruction book yet. Anyone know which links / diodes to cut in order to extend the receive range ??? How to set up the tones?

Would really appreciate a direct reply on this to:

Bitnet% "Rafi@BGUVMS"

Many thanks and 73
Earl, 4Z4TJ

P.S. before 15 January, please...

```
From -7159319822030389789
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79253954a608b32c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-06 10:38:50 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!elroy.jpl.nasa.gov!ncar!asuvax!
stjhmc!ddodell
From: ddodell@stjhmc.fidonet.org (David Dodell)
Newsgroups: rec.ham-radio
Subject: Recommendations Needed: Cable through Window
Message-ID: <34245.2787533D@stjhmc.fidonet.org>
Date: 6 Jan 91 16:26:37 GMT
```

Organization: St. Joseph's Hospital/Medical Ctr, Phoenix, AZ
Lines: 20

I would like to bring the lead of my packet setup (RG-8U) through the window at my home on a semi-permenant basis. However my wife, is leary of leaving the window open due to security, and is not thrilled on having me drill holes through the wall. Her solution is to just open/close the window when I want to use my packet setup, which unfortunately doesn't allow me to leave a mailbox on the air 24 hrs.

Any suggestions on something that could be constructed to bring the cable through the window on a semi-permenant basis, but keep some security. The window is a two plane glass, with one plane sliding to the side to open.

thanks.

--
```
   -------------------------------------------------------------------------
             St. Joseph's Hospital and Medical Center, Phoenix, Arizona
           uucp: {gatech, ames, rutgers}!ncar!asuvax!stjhmc!ddodell
     Bitnet: ATW1H @ ASUACAD                   FidoNet=> 1:114/15
     Internet: ddodell@stjhmc.fidonet.org      FAX: +1 (602) 451-1165
```

From -6766253983678968414
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3382dfa7cf5649f7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-06 10:58:26 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!
TRIUMFER.BITNET!MULTI
From: MULTI@TRIUMFER.BITNET
Newsgroups: rec.ham-radio
Subject: Wanted: Mailing address of "Fox Tango Club"
Message-ID: <91Jan6.123718est.57601@ugw.utcs.utoronto.ca>
Date: 6 Jan 91 16:32:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5

Could someone please pass me the mailing address of the "Fox Tango Club"

Y.N. Miles,
VE7-ALQ,
<MULTI.TRIUMFcl.bitnet>

From -6463895153336107935
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f4176dfefc4cf7c7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-06 10:59:52 PST

Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!TRIUMFER.BITNET!MULTI
From: MULTI@TRIUMFER.BITNET
Newsgroups: rec.ham-radio
Subject: Wanted: Mailing address to "Fox Tango Club"
Message-ID: <91Jan6.124111est.57609@ugw.utcs.utoronto.ca>
Date: 6 Jan 91 16:36:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5

Could someone please pass me the mailing address of the "Fox Tango Club"

Y.N. Miles,
VE7-ALQ,
<MULTI.TRIUMFcl.bitnet>

From -4409516118664669868
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e815f8d5dd6d7024
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-06 12:16:10 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: 3CX800 amp(s)
Message-ID: <1001.27872078@w8grt.fidonet.org>
Date: 6 Jan 91 19:01:37 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 34

> From: perry@hpfcdc.HP.COM (Perry Scott)
> Date: 4 Jan 91 20:49:08 GMT
> Organization: HP Fort Collins, Co.
> Message-ID: <7880399@hpfcdc.HP.COM>
> Newsgroups: rec.ham-radio
>
> >I want to build a couple of VHF power amplifiers using the
> >3CX800 triode.
> >Is it OK to just connect each amplifier's B+, B-,
> >and chassis grounds together? Actually, the real question is
> >what will happen to cathode-current metering?
>
> I've built the 2KV supply, with grid and screen supplies for a multiple
> 4CX250B HF amplifier. My strategy is to connect B-, chassis, and
> electrical ground together. I'm using some sockets that allow me to
> insert metering resistors between the chassis and cathode. Keep the
> metering resistor and bypass cap leads short if you're doing VHF. I

I read a terrific Eimac application pamphlet about 30 years ago describing an
amplifier design in which the chassis was at screen voltage potential and the
screen grids were "grounded" directly to the chassis at the socket pin,

eliminating (reducing) parasitic oscillation problems do to resonance in the screen bypassing components.

Those Eimac application notes were a treasure house of great ideas in amplifier design and mechanical construction techniques. I used to drool over them by the hour. Of course, as an impoverished student I could never afford to implement any of the ideas.

```
--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org
```

```
From -4042705438261124510
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d6cce119cf67318e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-06 12:34:25 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Open Letter to ARRL Pres. Larry Price
Message-ID: <1019.278A049B@w8grt.fidonet.org>
Date: 6 Jan 91 20:34:25 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 56
```

```
 > To:   jim.grubs@w8grt.fidonet.org
 > Date: Sun, 6 Jan 91 03:19:55 HST
 >
 > In article <900.27806B29@w8grt.fidonet.org> you write:
 > >
 > >I long ago came to the conclusion that the only way to deal with the ARRL
 > is
 > >to regard them as the publishers of a fairly decent magazine PERIOD. We'll
 > >have to do
 > >our own lobbying with Congress and the FCC. Frankly, I think even the
 > >Commission would prefer that. I suspect they regard the ARRL as
 > >the Antiquarian Rant 'n' Rave League.
 > >
 > >--
 > >Jim Grubs - via the friendly folks at UUNET
 > >UUCP: ...!uunet!w8grt!jim.grubs
 > >INTERNET: jim.grubs@w8grt.fidonet.org
 >
 >
 >
 > Bravo!
 >
 > I agree completely.  However, what about their other efforts in WARC?
 > I don't know much about that except that hams lost big
```

> pieces of spectrum there in the satellite bands at UHF and above.

Most observers at the time we lost those satellite bands attributed it to the fact that the HQ leadership was totally HF / CW oriented and just failed to recognize the danger to future usage trends and plan accordingly. Whether they learned their lesson is problematical. Considering their footdragging on codefeee until they saw the handwriting on the wall, there is considerable justification for skepticism

Be that as it may, it is clear that FCC contempt for the ARRL is at an all time high. One wonders, then, whether ARRL 'help' on WARC might do more harm than good.

The FCC used to rely on ARRL help in providing a window on thought among hams on the direction ham radio was taking or should take. I think they have decided that ARRL no longer provides a clear picture of what's what out here. I think they would like others to step forward and fill the void. Who?

In Toledo we have what's called "The Committee of 100". This is a group of the leaders and experts in civic, social, humanitarian, business, labor, art, and education circles. As local problems come up this group divides up into ad hoc specialized subcommittees and attacks the problems, also coordinating private and government efforts. It works pretty well. Maybe ham radio needs a Committee of 100.

73 de Jim Grubs, W8GRT

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

```
From 5855365003013128127
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79253954a608b32c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-06 13:16:34 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!hsdndev!rutgers!gatech!prism!
hh2
From: hh2@prism.gatech.EDU (HAAS)
Newsgroups: rec.ham-radio
Subject: Re: Recommendations Needed: Cable through Window
Message-ID: <19231@hydra.gatech.EDU>
Date: 6 Jan 91 20:52:48 GMT
References: <34245.2787533D@stjhmc.fidonet.org>
Organization: Georgia Tech Research Institute
Lines: 11
```

Attach two parallel metal plates on both sides of the window, making a capacitor with a glass dielectric. Design a matching network with a series cap, and there you go . . .

```
Hap
--
Harry Haas  GTRI/RIDL/DB         "What makes it DO that!?" - Bones
Georgia Institute of Technology, Atlanta Georgia, 30332
uucp:      ...!{decvax,hplabs,ncar,purdue,rutgers}!gatech!prism!hh2
Internet: hh2@prism.gatech.edu   hhaas@{gtri01|rmadsun}.gatech.edu


From -5474247367103700834
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4894f133cff41a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-06 13:25:25 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: RF and the outer limits...
Message-ID: <1002.27874A21@w8grt.fidonet.org>
Date: 6 Jan 91 21:11:01 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 22


 > From: dan@heimat.UUCP (Dan 'Sneakers' Schein)
 > Date: 6 Jan 91 04:05:16 GMT
 > Organization: Sneakers Computing, West Lawn, PA
 > Message-ID: <241@heimat.UUCP>
 > Newsgroups: rec.ham-radio
 >
 >  Bill your reply was close to my thoughts. Except I figure they don't
 > want
 >  anything to do with a world so undeveloped they still use and fight
 > over
 >  the need for CW.

Source of protein?

But the question whether they are going to make it easy or difficult for us to
detect them presumes, among other things, that they know we're here.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org


From -5680404296777692118
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cf5374b72cb82631,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-06 14:35:41 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!purdue!ccncsu!
```

lamar.colostate.edu!dswartz
From: dswartz@lamar.colostate.edu (David Swartz)
Newsgroups: rec.ham-radio
Subject: Getting Started (again)
Message-ID: <11986@ccncsu.ColoState.EDU>
Date: 6 Jan 91 22:02:06 GMT
Sender: news@ccncsu.ColoState.EDU
Reply-To: dswartz@lamar.colostate.edu (David Swartz)
Organization: Colorado State University, Fort Collins, CO 80523
Lines: 31

After more than 8 years away from ham-radio (license expired 1982), I have caught the bug again and want to get my license back. I know I'll have to re-learn some regulations and practice my CW (yes, I want to get my general class back and I am looking forward to the CW - it was my favorite). But where would you start?

To avoid obvious bandwidth, please email me any answer you might be able to provide to the following questions:

How does the testing procedure work with volunteer examiners ? I only remember those well-suited FCC examiners at some major city far from where I lived!

How much does the exam cost?

Can I get my old call sign back? Can you request call signs these days?

What texts would you recommend for study?

What would be a good receiver/transceiver to invest in that does CW/SSB in the price range of about $300 (are there any?)?

Thanks in advance and can't wait to get back on the air!

Dave Swartz - formerly WA3YNF 73s, folks!

```
Dave Swartz                          /\      /\     "Goin' where the wind don't
dswartz@red.rmhs.colorado.edu       /\/\  /\/  \     blow so strange.  Maybe
dswartz@lamar.colostate.edu        /    \/  \   \    off in some high cold
(303) 226-5626 Ext. 713         /\/     /    \   \   mountain chain."
```

From 1993577780865671550
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-06 18:51:44 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Rumors of ARRL appeal on No-Code

Summary: Shoot!
Message-ID: <740@ssc.UUCP>
Date: 7 Jan 91 02:51:44 GMT
References: <985.2784FF08@w8grt.fidonet.org>
Organization: very little
Lines: 21

In article <985.2784FF08@w8grt.fidonet.org>, jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>
> >
> > But Jim specifically referenced bulletins transmitted by W1AW, which
> > I receive regularly at my station. ARRL Press Releases, which were
> > NOT in his reference, don't seem to come in here!   :)
>
> I goofed. So, shoot me!
>

OK, OK.....sorry, I've been a little hard on Jim lately....

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -4608653293535901788
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-06 20:16:09 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!elroy.jpl.nasa.gov!ncar!zaphod.mps.ohio-state.edu!ub!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: Rigs for beginners? (Was Re: Comments needed...)
Summary: beginner rig
Message-ID: <819@wells.UUCP>
Date: 6 Jan 91 22:54:53 GMT
References: <9101031728.AA15712@ucsd.edu> <5490111@hpscdc.scd.hp.com> <2992@ux.acs.umn.edu>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 66

In article <2992@ux.acs.umn.edu>, spexet@ux.acs.umn.edu (D. Robert Spexet II) writes:
> In article <5490111@hpscdc.scd.hp.com> rkarlqu@hpscdc.scd.hp.com (Richard Karlquist) writes:

> >Bottom line on the 757: It is one of the cheapest rigs on the market.
> >It is also one of the poorest rigs on the market. You get what you
> >pay for and no more. If that's all you can afford, it'll get you on
> >the air. If you can afford a TS-440, etc., you will be glad you spent
> >the extra money.

Agree about the quality of the 757. I've used them. Right up with
modern Yaesu quality, which stinks.
The whole Kenwood line is certainly superior to the Yaesus, which is
not much of a recommendation. After what I'm used to, a 440 is a loser
Likewise 430, 930, 940. Reading between the lines of the latest QST
the Kenwood 950 isn'
isn
isn't all that good either.
Of the "Asian riceboxes" (I have other names for them, but some seem
to take offense) the Icom line seems to be the best.
The US-made stuff (Tennessee did get readmitted I think) beats the
Kenwoods and Yaesus in every regard, and at peaks of both is essentially
equal to the best Icoms; for ease of operation and serviceability there
is no coparison.

What's the big problem with used equipment? If it's Drake or Ten-Tek
you can't go wrong - anything needed to bring to new condition is
simple. Or do you have your heart set on an import?

Again: Power of Advertising.   Quality be damned.

>
> What I am interested in is this: Which rigs, besides the wealth of fine
> quality used equipment out there, would be good ones for a beginning ham?

Probably the best possible beginner's setup is either a TR4 or Triton-
540-544 (all the same thing) plus a decent tuner (NOT MFJ!) + home-brew
wire antenna + keyer, preferably home brew for about $20 max with a
Curtis chip. Plusses:

1. Easy to use
2. Out-perform most of what the other hams have.
3. Easy enough to fix yourself.
4. Highly affordable (or don't you care?)
5. Excellent for CW (which most of the *oriental imports* are NOT.
6. Make a positive impression on the old-timers as having the
    intelligence to have good equipment.

>
> I expect my first license to arrive in a few weeks, and I am wondering which
> of the commercial rigs (that is, stuff from Yaesu, Icom, Kenwood, etc.) would
> be a good starting rig for myself, in the event that I decide not to go for
> used equipment.
>
> I myself am interested in any comments that you people may have on Icom's
> 725, 726, and 735 models. How is the performance on these beasts? How easy
> are they to use? Things like that.
> About the 725-6-35: performance at the upper end of the *oriental* range

Ease of use: Poor
Serviceability: Better than zero, but not much.

> I'd love to hear anything that you all may have to say on this.
Do you still mean that last statement?

> -D. Robert Spexet II, Post Office Box 14909, Minneapolis, Minnesota 55414-0909
> Internet: spexet@ux.acs.umn.edu
> BITNET: spexet@umnacux.BITNET
> UUCP: rutgers!umn-cs!ux.acs.umn.edu!spexet

From -7136003851035225538
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-06 20:23:16 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Rigs for beginners? (Was Re: Comments needed...)
Message-ID: <1933@ke4zv.UUCP>
Date: 6 Jan 91 18:48:06 GMT
References: <9101031728.AA15712@ucsd.edu> <5490111@hpscdc.scd.hp.com> <2992@ux.acs.umn.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 32

In article <2992@ux.acs.umn.edu> spexet@ux.acs.umn.edu (D. Robert Spexet II) writes:
>
>I expect my first license to arrive in a few weeks, and I am wondering which
>of the commercial rigs (that is, stuff from Yaesu, Icom, Kenwood, etc.) would
>be a good starting rig for myself, in the event that I decide not to go for
>used equipment.
>
>I myself am interested in any comments that you people may have on Icom's
>725, 726, and 735 models. How is the performance on these beasts? How easy
>are they to use? Things like that.
>
>I'd love to hear anything that you all may have to say on this.

I've posted extensively on this before so I'll try to keep this short. :-)

In my opinion the IC-735 is the hands down winner of the performance/price
catagory. Unless you are putting together a multi-kilobuck contest station,
you can't beat the 735. It's got a great receiver, the transmitter cooling
system is superior, the size is ideal for mobile, yet it is not difficult
to use the controls, all control functions are straight forward and, again
in my opinion, work the way you would naturally expect them to work, the

display is easily readable in all lighting conditions, and most important of all, you can abuse it unmercifully without hurting it. The 726 does have six meters if that's important to you, but both it and the 725 lack the selectivity and digital interface capability of the 735.

The only rigs I would consider to replace the 735 are the IC-781 and the TS-950. And I would think long and hard before trading the 735 for either of those expensive behemoths while I continue to enjoy portable and mobile operations.

Gary KE4ZV

From 2715024188638795241
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e0dd282a1c84fe93
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-06 20:28:59 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!qualcom.qualcomm.com!fpa
From: fpa@qualcomm.com (Franklin Antonio)
Newsgroups: rec.ham-radio
Subject: Re: Free AMSAT software?
Message-ID: <1991Jan7.002447.28520@qualcomm.com>
Date: 7 Jan 91 00:24:47 GMT
References: <242BV1w163w@tosspot>
Organization: Qualcomm Inc., San Diego, CA
Lines: 16

In article <242BV1w163w@tosspot> lee@tosspot (Lee Reynolds) writes:
>AMSAT have stated that various bits'n'pieces of software are available
>FREE on the AMSAT/DRIG BBS.
>There is one caveat - as far as I am able to discern, you do not have
>downloading privileges on DRIG BBS unless you pay for them.

There are many BBSs that carry the various AMSAT and AMSAT-related free bits'n'pieces. Tells us where you live, and i'm sure somebody will come up with a BBS phone # somewhere near you. If you're near San Diego, for example, you can use Radiosport 619-279-3921. If there's something specific you're looking for, please advise, and someone will help you find it.

>(Please, don't start waffling on about how everyone should pay to support

Ok. I won't.

From -3096295100555369337
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8eb4a04cf55bc1d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-06 20:31:10 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!envy.bellcore.com!karn
From: karn@envy.bellcore.com (Phil Karn)

Newsgroups: rec.ham-radio
Subject: Part 2 of FCC Report and Order in PR 90-55
Message-ID: <1991Jan7.012909.221@bellcore.bellcore.com>
Date: 7 Jan 91 01:29:09 GMT
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@envy.bellcore.com ()
Organization: Bell Communications Research, Inc
Lines: 289

18. Comments. In general, the comments object to the proposal to discontinue issuing new Novice and Technician Class licenses. The NCVEC, in particular, stresses that the volunteer-examiner coordinators (VECs) desire that the existing license structure should be preserved to the maximum extent possible. It proposes the addition of a sixth class of license, although "[t]he VECs recognize that [this] position is not resource neutral ... This does not mean, however, the VECs would be any less in favor of a codeless license if the Communicator Class could only be implemented in place of one or more other classes." [27]

19. The QCWA states that another operator license class is unnecessary. It contends that the codeless class can be best implemented by simply removing the telegraphy requirement from the Technician Class operator license and modifying its privileges to comply with the International Radio Regulations. [28] The ARRL maintains, however, that there should be two paths of initial entry into the amateur service, (a) the current code-required Novice Class and (b) a new codeless class. The ARRL acknowledges, however, that the resulting "six classes of amateur license are, for the long term, perhaps an overly complex scheme, (but) the matter can be revisited in the future, after the Amateur Radio Service has had some experience with, and becomes adjusted to, the now new concept of a codeless license class." [29]

20. Our inquiry concerning the desirability of conversion of the Novice Class into a codeless class was not supported generally. The ARRL states that a codeless class would not be a suitable substitute for the Novice Class as an entry level license. It adds that closing off the telegraphy "route of entry for the Service would in fact stifle a large percentage of the newcomers to the Service." [30] The NCVEC reports that a survey of VEs shows that "[m]any newcomers would still prefer to obtain a Novice Class license, which is also the least expensive path into amateur radio." [31] The QCWA "also urges that the Novice Class license ... be continued ... [as] a route for the person who finds little difficulty with a Morse code requirement but lacks the extensive skills and technical knowledge required by the Technician Class examination." [32]

21. Discussion. The addition of a sixth class of license to an already intricate license structure is neither desirable nor achievable without unacceptable effects upon our workload. Even if there were no increase in the number of new licensees, adding a sixth license class would result in an increased demand for license application processing; most newcomers to the amateur service initially obtain the lowest class of license and those who subsequently advance to the higher license

classes usually do so one class at a time.

22. The disadvantages of a sixth license class are further compounded by the nature of our computer-aided application processing system. On further investigation, we have determined that our present computer system will not support six classes of licenses without new and significant expenditures of resources. The additional work to modify the system to have the capability of supporting the processing for a sixth class of license is inconsistent with our objective of limiting impact on our workload and resources. A new Communicator Class of license, consequently, is not a viable solution. The codeless class, therefore, must be incorporated into the present license structure.

23. Because it requires the least difficult written examination, the option of converting the Novice Class to a codeless class is not a solution generally supported by the commenters. The Novice Class, moreover, has very limited privileges above 30 MHz. [33] The Technician Class, however, has a more difficult written examination and authorizes all privileges above 30 MHz. The conversion of the Technician Class to a codeless class, as allowed by the international Radio Regulations and as recommended by QCWA and other commenters, [34] therefore, is the logical choice. Approximately ten percent of new licensees already enter the service at the Technician Class level. [35] The 126,543 current Technician Class licensees, however, are also authorized the same limited privileges as Novice Class operators below 30 MHz on the basis of having passed a telegraphy examination. To achieve our goal of avoiding any negative effects upon current licensees, therefore, we can make provisions in the rules for these licensees to retain all of their current privileges. [36]

24. We are, accordingly, establishing the Technician Class as the codeless class of license that includes all amateur privileges above 30 MHz. We are amending Section 97.301(c), however, to grandfather frequency privileges below 30 MHz to current Technician Class licensees as well as to authorize these privileges to those holding a Technician Class license issued on or after February 14, 1991, who pass a telegraphy examination. [37] This satisfies our objectives of establishing a type of codeless class of license that can be implemented promptly and avoiding negative effects upon the work of the VEs or upon our workload and resources.

C. License requirements

25. Proposal. The Notice proposed to require applicants for the codeless class of license to pass a sixty question written examination. Thirty questions would be drawn from the current Element 2 question pool, twenty-five questions would be drawn from the current Element 3(A) question pool, [38] and five questions would be drawn from a new pool. In effect, applicants for the new codeless class would be required for the current Technician Class license, plus five additional questions.

26. Comments. The ARRL comments support our proposal and state that the

five additional questions should concern operating practices. [39] Other comments call for even more written questions. [40] Sill others recommend fewer written questions. [41] The NCVEC, however, points out that the only purpose of testing is to assure that the licensees are qualified to operate amateur stations on the frequencies authorized for the class of license held. [42] It recommends that the codeless class license requirement by the passing of the existing Element 2 and 3(A) examinations. [43]

27. Discussion. As pointed out by NCVEC, the written examination is administered solely to determine of the examinee possesses the operational and technical qualifications required by a station operator to perform properly the duties associated with the privileges of the license sought. [44] Our rules require that each examination question set administered to an examinee must use questions taken from the applicable question pool [45] and each pool must contain at least ten times the number of questions for a single examination. [46] The question pools for Elements 2 and 3(A), therefore, should already contain questions that test whether an examinee has the requisite qualifications to perform properly the operator duties at an amateur station transmitting exclusively above 30 MHz. We are not convinced that the addition of five questions is needed to establish the operational and technical qualifications of examinees for licenses having these privileges.

28. Each examinee is responsible for knowing the answers to the entire body of questions in the question pool. In the interest of practical examination administration, however, the VEs ask the examinee only a sample number of questions from the pool and they require a passing grade of approximately 74 percent. [47] When technological advancements, operating trends, or rule amendments alter the duties of a particular class of amateur operator license, the effect of our rules is to require that the VECs revise the question pools accordingly. The deletion of privileges below 30 MHz does not call for an increase in the number of questions posed in the written examination for a Technician Class license. Preparing and administering additional examination questions, moreover, would increase the workload of the VEs and VECs. We decline, therefore, to change the number of questions in the written examination elements required for the Technician Class license.

D. Technician Plus Certificate of Successful Completion of Examination

29. Proposal. The Notice proposed that upon passing a telegraphy examination, a codeless class licensee would be authorized Technician Class privileges below 30 MHz. To avoid an increased license processing burden, our proposal was that the documentation of the passing of the telegraphy examination be indefinitely evidenced by the Certificate of Successful Completion of Examination (CSCE), rather than by the issuance of another license document. [48] Each VEC would be required to provide paper or magnetic listings to the Commission for codeless class licensees who had been issued a CSCE for passing a telegraphy examination.

30. Comments. The NCVEC advises that the VECs could permanently document whether an examinee has passed a telegraphy examination that was administered by VEs, but that use of a CSCE for this purpose would result in enforcement difficulties and would create a record keeping burden. [49] The ARRL adds that use of a CSCE for indefinitely documenting that a licensee has passed a telegraphy examination would be unwieldy. [50]

31. Discussion. The comments of NCVEC and ARRL, in effect, recommend that the documentation showing that a codeless licensee has later passed a telegraphy examination be accomplished by the Commission issuing a sixth class of operator license. The sole purpose of this sixth class would be to distinguish those codeless Technician Class licensees who subsequently pass the five words per minute telegraphy examination from those who have not. In paragraphs 21 and 22, we discussed why the addition of a sixth class of license is impractical.

32. We do not agree that use of the CSCE to indefinitely document the passing of a telegraphy examination would have any significant negative effects in this instance. The VEs and VECs already perform the necessary work. The VEs now issue a CSCE to each successful examinee. The VECs receive from the VEs the application forms and test results for every examination session. The VECs are required to make their examination records available to the Commission. [51]

33. We do not foresee, moreover, that there will be any increase in enforcement difficulty resulting from using the CSCE to document the p[assing of a telegraphy examination for an indefinite period. Our rules already authorize a licensee holding a CSCE to exercise the rights and privileges of the higher operator class for a period of up to 365 days. [52] This provision has not resulted in any increased enforcement burden. Section 97.301(e) is amended, therefore, to implement our proposal to use the CSCE to document indefinitely the passing of a telegraphy examination for the purpose of authorizing to codeless Technician Class licensees privileges below 30 MHz. We will confer with the VECs to establish a schedule for reporting the call signs and names of "Technician Plus CSCE Class" operators. [53]

E. Novice Class

34. Proposal. The Notice proposed to discontinue issuing new Novice Class operator licenses and to grandfather existing licensees. We particularly invited instructors, VEs and VECs to submit factual information on the time and effort that would be required for persons to prepare for the codeless class written examination as compared to that required for the Novice Class license written and telegraphy examinations.

35. Comments. The few comments that addressed our question generally predict that, given the choice between a five words per minute telegraphy examination or an additional written examination, the numbers of newcomers choosing one over the other would be evenly

divided. [54] The other prediction was that most newcomers would find additional questions easier to master. [55] The ARRL states that a codeless class would not substitute for the Novice Class, and that discontinuation of the Novice Class license would stifle a large percentage of the newcomers to the service. [56]

36. Discussion. The comments reveal that the amateur community, while it supports the establishment of a codeless class, is uncomfortable with the prospect of discontinuation of the Novice Class. The Novice Class is generally intended for beginning amateur radio telegraphers to gain actual experience in sending and receiving telegraphy messages. The comments indicate that the amateur community desires to retain the Novice Class license as an entry level for persons who do not have the knowledge to pass the written examination for the Technician Class license, but who can pass a telegraphy examination.

37. The keystone of our proposal was to reprogram resources currently expended in processing new Novice Class licenses annually to processing the new codeless class licenses. Retention of the Novice Class, however, precludes reprogramming all of those processing resources for the new codeless Technician class. We estimate, however, that with our current resources we should be able to process the applications for new Novice and codeless Technician Class licenses. [57] The Rules we are adopting, therefore, retain the Novice Class license.

F. Other matters

38. We are persuaded by the comments [58] that our proposal to use the two-letter station identification indicator system [59] to distinguish stations having Technician Plus CSCE control operators is inconsistent with the call sign assignment policy. It would, in effect, cause the stations of codeless Technician Class operators to be identified with shorter call signs than those having Technician Plus CSCE operators. Shorter station call signs, however, generally are reserved for the more accomplished higher class operators. Further, in three of the frequency bands below 30 MHz that are authorized to Technician Class operators, only a CW emission type using the international Morse code is authorized. [60] The comments that addressed this situation confirmed our belief that it is improbable that a person who cannot pass at least the very slow speed 5 wpm Morse code examination would even attempt to communicate with other amateur stations by telegraphy. [61] In this situation, therefore, any need to distinguish between stations having Technician Class or Technician Plus Class control operators is subordinate to the need for an efficient identification procedure. We are, therefore, not adopting our proposal. We are, however, editorially revising Section 97.119(e) to clarify the station identification procedure.

IV. CONCLUSION

39. In summary, we have decided to provide a codeless class of operator license by eliminating the telegraphy requirement for the Technician Class. Our objective is to provide an entry level codeless

operator license opportunity to persons who desire to pursue the purpose of the amateur service and who can demonstrate they are qualified to operate amateur stations that transmit exclusively above 30 MHz. In view of the comments received, we have also decided to retain the Novice Class operator license in order to provide an alternate entry level operator license opportunity to persons who desire to pursue the purpose of the amateur service and who can pass a telegraphy requirement in place of the more comprehensive written examination requirement for the codeless Technician Class operator license.

V. PAPERWORK REDUCTION ACT

40. The rules adopted herein have been analyzed with respect to the Paperwork Reduction Act of 1980, 44 USC 3501-3520, and found to contain no new or modified form, information collection and/or record keeping, labeling, disclosure, or record retention requirements; and will not increase or decrease burden hours imposed on the public.

VI. ORDERING CLAUSES

41. For the reasons stated above, IT IS ORDERED that effective February 14, 1991, Part 97 of the Commission's Rules, 47 CFR Part 97, IS AMENDED as set forth in the Appendix. Authority for this action is found in Sections 4(i) and 303(c) and (r) of the Communications Act of 1934, as amended. 47 USC 154(i) and 303(c) and (r).

42. IT IS FURTHER ORDERED that this proceeding IS TERMINATED.

FEDERAL COMMUNICATIONS COMMISSION

Donna R. Searcy
Secretary

From -2555564884995695392
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8336bb7e24c10cfe,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-06 20:32:22 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!mips!pacbell.com!ucsd!ucbvax!ALF.UNOMAHA.EDU!pschleck
From: pschleck@ALF.UNOMAHA.EDU (Paul W. Schleck KD3FU)
Newsgroups: rec.ham-radio
Subject: Mail to KA2RAF
Message-ID: <9101070137.AA12693@alf.unomaha.edu>
Date: 7 Jan 91 01:37:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Lines: 21
Posted: Sun Jan 6 19:37:08 1991

Date: Sun, 6 Jan 91 19:28:32 CST
From: pschleck (Paul W. Schleck KD3FU)

To: rec-ham-radio@ucbvax.berkeley.edu
Subject: Mail to KA2RAF

Has anyone had difficulty getting packet/Internet mail to KA2RAF?

I have sent him messages to:

KA2RAF@NN2Z.NJ.USA on packet and

ka2qhd!ka2raf@uunet.uu.net on Internet

The internet messages didn't bounce, don't know about the packet mail.
So far no replies.

73, Paul W. Schleck, KD3FU

pschleck@alf.unomaha.edu

KD3FU@W3INK.MD.USA

From -3218797118755723345
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ffd0a142b487c22
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-06 21:43:11 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!att!pacbell.com!pacbell!hoptoad!kumr!pozar
From: pozar@kumr.UUCP (Tim Pozar)
Newsgroups: rec.ham-radio
Subject: Re: FCC via Internet
Message-ID: <280@kumr.UUCP>
Date: 7 Jan 91 05:43:11 GMT
References: <996.2786147F@w8grt.fidonet.org>
Reply-To: pozar@kumr.UUCP (Tim Pozar)
Organization: Late Night Software (San Francisco)
Lines: 16

In article <996.2786147F@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>For the benefit of whoever asked:
>
>They have no uucp map according to UUNET.UU.NET. House of Representatives, yes.
>Department of Labor, yes. Federal Reserve Board, yes. Democratic National
>Committee, yes.

Hmmm, I just sent a copy of Zmodem to the FCC's 'UNIX guru' in D.C.
I would imagine that there is some manner or method to get mail to them.
I'll ask my contact.

Tim

--

uunet!hoptoad!kumr!pozar Fido: 1:125/555 PaBell: (415) 788-3904
USNail: KKSF-FM / 77 Maiden Lane / San Francisco CA 94108

From 1862806590736186936
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79253954a608b32c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-06 22:41:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!usc!apple!veritas!amdcad!mozart.amd.com!reed
From: reed@mozart.amd.com (David F. Reed)
Newsgroups: rec.ham-radio
Subject: Re: Recommendations Needed: Cable through Window
Message-ID: <1991Jan7.010950.5178@mozart.amd.com>
Date: 7 Jan 91 01:09:50 GMT
References: <34245.2787533D@stjhmc.fidonet.org>
Organization: Advanced Micro Devices, Inc.
Lines: 29

In article <34245.2787533D@stjhmc.fidonet.org> ddodell@stjhmc.fidonet.org (David Dodell) writes:
>I would like to bring the lead of my packet setup (RG-8U) through the window
>at my home on a semi-permenant basis. However my wife, is leary of leaving
>the window open due to security, and is not thrilled on having me drill holes
>through the wall...
(end of quote)...
had the same problem here... how we solved it was rather simple...

cut a 2"x4"x(height of window if side-sliding, width if up/down)...
drilled that with a 3/4" wood bit to pass coax with connector through, and
sealled with coax-seal or putty or RTV...

now the coax is through, into house... cut a 1"x2" (or pair) to length to
secure the sliding portion of window in place. If a nice tight fit is obtained,
it will be very difficult to break in, and could bne secured further by a
simple latch. I would not recommend screwing them down, for fire exit reasons.

I have also seen people come in under the eaves where the attic vents are,
and then drop the line into a hole in the closet ceiling, but then you have
to get messy/hot.

good luck!

--
____
"...just my opinion, not speaking for AMD." KK5D, 7J1AGO, XE1ZDR
David F. Reed   4512 Clarno   Austin TX 78749
packet: KK5D@KB5PM   driving by? try 442.150 repeater

From -3339766563574994543

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e287229b57b6e695,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-06 22:43:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!usc!cs.utexas.edu!
tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!bellcore!
envy.bellcore.com!karn
From: karn@envy.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Part 3 (of 3) of PR 90-55 Report and Order
Message-ID: <1991Jan7.023315.947@bellcore.bellcore.com>
Date: 7 Jan 91 02:33:15 GMT
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@envy.bellcore.com (Phil Karn)
Organization: Bell Communications Research, Inc
Lines: 265
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APPENDIX

Part 97 of Chapter I of Title 47 of the Code of Federal Regulations is amended as follows:

1. The authority citation for Part 97 continues to read as follows:

Authority citation: 48 Stat. 1066, 1082, as amended; 47 USC 154, 303. Interpret or apply 48 Stat. 1064-1068, 1081-1105, as amended; 47 USC 151-155, 301-609, unless otherwise noted.

2. Section 97.119(e) is revised to read as follows:

97.119 Station identification.

* * * * *

(e) When the control operator is a person who is exercising the rights and privileges authorized by 97.9(b) of this Part, an indicator must be included after the call sign as follows:

(1) For a control operator who has requested a license modification from Novice Class to Technician Class: KT;

(2) For a control operator who has requested a license modification from Novice Class or Technician Class to General Class: AG;

(1) For a control operator who has requested a license modification from Novice, Technician, or General Class operator to Advanced Class: AA; or

(1) For a control operator who has requested a license modification from Novice, Technician, General, or Advanced Class operator to Amateur Extra Class: AE.

* * * * *

3. Section 97.301(e) is amended by revising the introductory text preceding the table to read as follows:

97.301 Authorized frequency bands.

* * * * *

(e) For a station having a control operator holding a Novice Class operator license, or a Technician Class operator license plus a CSCE indicating that the person passed element 1(A), 1(B) or 1(C), or a Technician Class operator license issued before February 14, 1991:

* * * * *

4. Section 97.501 is amended by revising the introductory text and paragraph (d) to read as follows:

97.501 Qualifying for an amateur operator license.

An applicant must pass an examination for the issuance of a new amateur operator license and for each change in operator class. Each applicant for the class of operator license specified below must pass, or otherwise receive examination credit for, the following examination elements:

* * * * *

(d) Technician Class operator: Elements 2 and 3(A).

* * * * *

FOOTNOTES

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1. 5 FCC Red 880 (1990).

2. Morse code telegraphy emission types are commonly referred to as "CW," the telegraphic abbreviation of the phrase "continuous wave." See Section 97.3(c)(1) of the Commission's Rules, 47 C.F.R. 97.3(c)(1), for a listing of the CW emission types.

3. See No. 2735 of the ITU Radio Regulations (Geneva, 1979) (hereafter international Radio Regulations).

4. Id

5. The license classes are, in ascending steps, Novice, Technician, General, Advanced, and Amateur Extra. The examinations cover three levels of telegraphy skill. They are 5, 13, and 20 words per minute (wpm). The examinee must also pass written examination elements, depending upon the operator license class sought. See sections 97.501 and 97.503 of the Commission's Rules 47 C.F.R. 97.501 and 97.503.

6. See Notice of Proposed Rule Making, Docket No. 20282, 39 Fed. Reg. 44042 (1974) and Notice of Proposed Rule Making, PR Docket No. 83-28, 48 Fed. Reg. 1855 (1983).

7. Section 97.1 of the Commission's Rules, 47 C.F.R. 97.1, expresses the fundamental purpose of the amateur service in the United States in five principles: (a) Recognition and enhancement of the value of the amateur service to the public as a voluntary, noncommercial communication service, particularly with respect to providing emergency communications; (b) Continuation and extension of the amateur's proven ability to contribute to the advancement of the radio art; (c) Encouragement and improvement of the amateur service through rules which provide for advancing skills in both the communication and technical phases of the art; (d) Expansion of the existing reservoir within the amateur service of trained operators, technicians, and electronic experts; (e) Continuation and extension of the amateur's unique ability to enhance international goodwill.

8. For example, see comments of Edward P. Murphy at 1, Janet V. Whitney at 6, Gary Worthington at 1.

9. For example, see comments of Jack Bitzer at 3-4, Gordon Girton at 2-3.

10. For example, see comments of John A. Carroll at 1-9, Scott B. Laughlin at 1, and Gordon Girton at 2.

11. For example see comments of O. D. Williams at 1, Michael Barry at 1, Joint Comment of Thomas A. Geis, Georgann M. Geis, and Frederick R. Geis at 1.

12. Notice at para. 5.

13. Id. at para. 15.

14. QCWA comments at 3.

15. ARRL comments at 6.

16. Id. at 2.

17. Comments of NCVEC at 4.

18. Comment of ARIG at 5.

19. Comment of Alan Kaiser at 1.

20. Comment of Michael C. Migliaccio at 1.

21. Comment of Patrick D. Bouldin at 2.

22. Comment of Joel Dunn at 1.

23. Comment of Donald J. Ray at 1.

24. See Section 97..3(c) of the Commission's Rules, 47 C.F.R. 97.3(c), for a description of and the emission types associated with each of these terms.

25. See para 12, supra.

26. The CSCE (certificate of successful completion of an examination) is a document issued by the VEs to an examinee. It indicates which examination element(s) the examinee has passed. See Sections 97.505(a) and 97.9(b) of the Commission's Rules, 47 C.F.R. 97.505(a) and 97.9(b).

27. NCVEC comments at 9.

28. QCWA comments at 1.

29. ARRL comments at 11.

30. ARRL comments at 8.

31. NCVEC comments at 6.

32. Comments of QCWA at 6. To qualify for a Novice Class operator license, an examinee must pass a 5 wpm telegraphy examination and a thirty question written examination. To obtain a Technician Class operator license, an examinee must pass the Novice Class examination elements and an additional written test of twenty-five questions.

33. Above 30 MHz, Novice Class licensees are authorized privileges on the 222.10-223.91 MHz segment of the 1.25 meter band and the entire 23 centimeter band.

34. For example, see comments of QCWA at 8, Phillip David Howard at 3, Conrad Ekstrom at 1, Jay W. Underdown at 3, and Michael R. Burgin at 1.

35. During fiscal year 1990, of the 26,134 persons who entered the amateur service, 2,617 persons did so by obtaining the Technician Class license.

36. Existing Technician Class licensees are authorized all possible privileges above 30 MHz. Below 30 MHz, these licensees are authorized CW emission privileges in portions of the 80, 40, 15 and 10 meter bands, RTTY and data emissions in the frequency segment 28.100-28.300 MHz, and phone emissions in the frequency segment 28.300-28.500 MHz.

37. For convenience, holders of a Technician Class license issued prior to February 14, 1991, and holders of both a Technician Class license and a CSCE for passing a telegraphy examination are referred to hereafter as "Technician Plus CSCE Class" operators to distinguish them from holders of the codeless Technician Class license only.

38. Element 2 is the fundamental written examination required for every class of amateur operator license. Element 3(A) is a written examination concerning the additional privileges of the Technician Class operator

license. See Section 97.503(b) of the Commission's Rules, 47 C.F.R. 97.503(b).

39. ARRL comments at 13. The ARRL proposed that the current twenty-five question Element 3(A) written examination be expanded by five questions and that the current thirty question Element 2 written examination continue as is.

40. For example, see comments of Thomas I. Geiger at 6, William I. Glover at 1, and John C. Thomas at 1.

41. For example, see comments of ARIG at 7, Interstate Repeater Society, Inc., at 3, Michael V. Morrelli at 1, and QCWA at 4.

42. NCVEC comments at 11.

43. NCVEC comments at 8. The current Element 2, 30 question written examination would be reduced by 5 questions and the current Element 3(A), 25 question written examination would be used as in in NCVEC's proposal.

44. See Section 97.503(b) of the Commission's Rules, 47 C.F.R. 97.503(b) and Section 303(1) of the Communications Act of 1934, as amended, 47 USC 303(1). See also No. 2736 of the international Radio Regulations.

45. See Section 97.507(b) of the Commission's Rules, 47 C.F.R. 97.507(b).

46. See Section 97.523 of the Commission's Rules, 47 C.F.R. 97.523.

47. See Section 97.503(b) of the Commission's Rules, 47 C.F.R. 97.503(b).

48. Notice at para. 22.

49. Comments of NCVEC at 6.

50. ARRL comments at 13.

51. See Section 97.519 of the Commission's Rules, 47 C.F.R. 97.519.

52. See Section 97.9(b) of the Commission's Rules, 47 C.F.R. 97.9(b). In the case of a codeless Technician Class licensee who holds a CSCE for only a telegraphy element, the 365 day limitation on operator privileges would not apply because the CSCE does not indicate that the licensee has passed the necessary examinations for a higher class operator license.

53. The data base for codeless Technician Class licensees who subsequently pass a telegraphy examination will be incorporated into the amateur service licensee data base when the necessary capability becomes available.

54. Comment of Mark Forbes at 2.

55. Comments of Elvin D. Lytle at 1, National Amateur Radio Association at 5, Douglas N. Stracener at 3.

56. Comments of ARRL, at 8.

57. In fiscal year 1990, the Commission issued 20,704 Novice Class licenses, each of which required the processing of a license application. The Commission also processed 15,468 applications from Novice Class licensees that upgraded to Technician Class, and 2,617 applications from individuals who entered the amateur service by obtaining a Technician Class license.

58. Comments of National Amateur Radio Association at 7.

59. See Section 97.119(e) of the Commission's Rules, 47 C.F.R. 97.119(e), for details of the indicator system.

60. See Section 97.307(f)(9) of the Commission's Rules, 47 C.F.R. 97.307(f)(9).

61. For example, see comments of Thomas I. Geiger at 6.

From -1726394835169964926
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e287229b57b6e695
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-06 22:44:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!usc!cs.utexas.edu!
tut.cis.ohio-state.edu!att!bellcore!envy!karn
From: karn@envy..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Part 3 (of 3) of PR 90-55 Report and Order
Message-ID: <1991Jan7.023816.1042@bellcore.bellcore.com>
Date: 7 Jan 91 02:38:16 GMT
References: <1991Jan7.023315.947@bellcore.bellcore.com>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@envy.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 11

I've finished uploading the entire text of the Report and Order in PR 90-55 in three netnews articles.

As I mentioned earlier, I've typed this whole thing in by hand from a xerox of a FAX. I ran the results through 'spell', which caught most typoes, but I can't guarantee that every single number and name is perfect, especially in the footnotes where a smaller font size was used. If anyone spots any typoes, I'd appreciate hearing about them.

Phil

From -6017804661545580214
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8163a0129de4dc0e

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-06 22:46:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!usc!samsung!
sol.ctr.columbia.edu!caen!uflorida!mailer.cc.fsu.edu!sun13!murray
From: murray@sun13.scri.fsu.edu (John Murray)
Newsgroups: rec.ham-radio
Subject: Re: Future Ham needs to know ...
Message-ID: <1818@sun13.scri.fsu.edu>
Date: 7 Jan 91 02:49:19 GMT
References: <49389@sequent.UUCP> <7880397@hpfcdc.HP.COM>
Organization: SCRI, Florida State University
Lines: 35

>>What would be a good book to study, that would cover the requirements
>>for the written test.
>>Michael Waugh

In article <7880397@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>The codeless Tech test is a subset of the question pool for the Novice
>and Tech (FCC elements 2A and 2B). The question pool is published in
>quite a few books. There's even one at Radio Shack. The ARRL also
>publishes the pool. If you can find a local radio club, you can
>probably borrow one of these books for free. I'd lend you mine, but
>I borrowed it from a friend :)

This looks like a good place to drop in a plug that's been seen before...

For those on the Internet, who also have access to a well-equipped Macintosh,
(I expect the overlap is pretty good..) FTP to apple.com, and grab the
Hypercard stacks in /pub/ham-radio. (*test*.hqx) They also have a (non-
Hypercard) Morse practice program for the Mac. The Hypercard stacks are set
up to give you a random test, following all FCC guidelines, out of the
question pool for whatever stack you open (Novice to Extra.) They use the
current question pools for all exams. A wonderful practice tool.

If you can FTP to apple.com, but don't have Stuffit or whatever to unpack
the stacks, give me a yell and I'll try to help you get a working stack...

Gad! Listen to me! A non ham (currently), and I'm sounding like an Elmer!
(perhaps certain facets of amateur radio should take note...)

>Perry Scott / KF0CA

--
Disclaimer: Yeah, right, like you really believe I run this place.
John R. Murray | "Never code anything
murray@vsjrm.scri.fsu.edu | bigger than your head.."
Supercomputer Research Inst.| - Me

From -4461297693525095839
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a24694a5f9900355,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-06 22:47:28 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!usc!cs.utexas.edu!tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!bellcore!envy.bellcore.com!karn
From: karn@envy.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: ARRL Letter, 12/31/90
Message-ID: <1991Jan7.031348.1550@bellcore.bellcore.com>
Date: 7 Jan 91 03:13:48 GMT
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@envy.bellcore.com (Phil Karn)
Organization: Bell Communications Research, Inc
Lines: 339

The ARRL Letter
Vol. 9, No. 26
December 31, 1990

FCC Sets Date for Code-Free Tech, Disabled Testing Changes

On Dec. 13 the Federal Communications Commission issued Reports and Orders in the matters of a code-free amateur license and of relaxed Morse code testing for the disabled. February *QST* will carry the complete text of their R&O on the code-free Technician license and a detailed report on new CW testing procedures for the disabled. Here are the highlights:

The effective date for code-free Technician license exams is February 14, and details are mostly as described in the last *Letter*. The R&O does provide insight into the Commission's thinking on the matter. They begin by noting that 70 percent of comments received favored "at least an entry level codeless license." Comments from organizations ranging from the ARRL to the Quarter Century Wireless Association also are invoked, and those of the QCWA were apparently given heavy consideration.

Comments noted by the FCC in opposition to a code-free license were that CW is a superior means of communication that should be retained for all license classes, and that tradition should be maintained. FCC did not fully agree, saying "telegraphy skill is not so essential to proper operation of a station that transmits exclusively above 30 MHz such as to justify turning away otherwise qualified persons who do not possess the skill."

As for specific licensing requirements, the FCC decided not to accept a recommendation that five questions on operating practice be added to the existing 55-question Technician written exam (30 questions from Element 2 and 25 from Element 3A).

Both the ARRL and the National Conference of Volunteer Examiner Coordinators (NCVEC) had recommended that the Commission in effect create a sixth license class, by recording the subsequent passing of a 5-WPM CW test by code-free licensees. Instead, the upgrade to Technician-plus-CW will not involve the issuance of a new license, as described in the previous *Letter*.

Instructors already are gearing up for an expected influx of hams-to-be resulting from the announcement. ARRL's Educational Activities

Department is preparing a new class instructor guide for this new entry point into Amateur Radio. EAD seeks ideas from instructors on content of the new guide, as well as suggestions on how to "mainstream" the new Technicians into our ranks (as well as convincing them of the importance of League membership).

Assuming the code-free Technician license becomes a reality on February 14, amateurs who passed Element 2 and/or Element 3A after February 14, 1990 may now qualify for (or have partial credit toward) the new license. (Element credit is good only for 365 days from the examination date).

And current Novices and Technicians are advised to retain their license (or a copy) to document that they have passed the 5 WPM Morse code examination, for future upgrades.

ARRL Board members will be reviewing the Report and Order--and member reactions--between now and the Board meeting January 18-19, where there will be an opportunity to consider whether partial reconsideration should be sought on the issues on which the Commission departed from the League's recommendations.

CW Testing of the Disabled

Beginning as early as February 14 there are procedures in the FCC Rules for people with certain disabilities to follow who wish to be excused from 13- and 20-wpm Morse code examinations for Amateur Radio licenses. In a Report and Order adopted December 13, 1990, the FCC amended its rules "to exempt from the higher speed Morse code telegraphy examinations amateur operator licensees who, because of severe handicaps, are incapable of passing those examinations."

The exemptions will *not* apply to the 5-wpm tests, since a demonstration of Morse ability is required for operation below 30 MHz.

The primary concern voiced by the ARRL and others was that such exemptions could compromise the entire volunteer examiner program, by putting undue burdens on VEs to make judgements about an applicant's disabilities as well as in asking non-amateur medical professionals to assess applicants.

According to the FCC, the most objections were to a proposed list of disabilities, a list drawn up by the government to indicate a person's "employability." Commenter Alan L. Braun, M.D., NS0B, told the FCC "many persons who have handicaps that prevent them from working do not have handicaps that prevent them from taking a telegraphy examination."

As a result, the FCC will "rely on the integrity and the judgement of the physician who signs the certification to establish, after consulting with the patient, that the person is severely handicapped and because of the disability is unable to pass the telegraphy examination.

"We expect both the examinee and the physician to be honest" the FCC said.

Further, the Commission will "develop a briefing paper for physicians that describes the nature of the Morse code examinations."

"Physicians" will be defined as doctors of medicine (M.D.) and doctors of osteopathy (D.O.), only.

And, at the ARRL's urging, the FCC also will require that an applicant for exemption sign a release, permitting disclosure to the FCC of medical information pertaining to the disability. Revised Form 610s, which will include a physician's certification form, will "contain a warning regarding the penalties for making willful false statements to the Commission in violation of 18 U.S.C. 1001."

In its Report and Order the FCC also acknowledged comments concerning "dilution of the amateur service" and "demeaning" the handicapped, saying in the first case that Morse proficiency had not in the past proven to be a "filter" for the service and, in the second, that all handicapped persons still would be able to choose to take the examinations even if they met the requirements for an exemption.

In the matter of whether a disabled person will be able to give a volunteer examination for an element from which he was exempted, the R&O left to VE coordinators to certify disabled VEs, saying that a disabled licensee could, in some cases, administer exam elements they themselves had not taken.

The Commission used the following example: an Amateur Extra class licensee, acting as a volunteer examiner and having been exempted himself from the 20-WPM examination, still would be capable of administering a receiving exam to another applicant, by the use of taped CW and a written copy of the text sent.

This amendment of the Commission's rules becomes effective Feb. 14, 1991.

COMMENTS BACK 40-METER PROPOSAL

On Dec. 3 the League filed with FCC its comments on the Second Notice of Inquiry in General Docket 89-554, the WARC-92 preparatory proceeding. Supported was a proposal to provide a 300-kHz worldwide amateur allocation, free of broadcasting interference, at 7 MHz. A realignment of the 41-meter broadcasting band to provide a broadcasting band in Region 2 would make this possible. Feedback from League members has largely supported shifting the current amateur 40-meter band band downward by 100 kHz, in exchange for eliminating the present geographical sharing arrangement with broadcasting.

At its meeting November 27 the FCC Industry Advisory Committee agreed to recommend this 7-MHz realignment, adding to a growing consensus on this point among the key players in U.S. WARC-92 preparations.

On 2 meters, the League expressed concern about possible interference to the crowded band should an LEO satellite service be implemented in the adjacent band of 148.0-149.9 MHz, but did not oppose oppose the proposed allocation.

The League did oppose a proposal to reallocate 420-421 MHz for low earth orbit (LEO) satellites, instead supporting an initiative of WARC Informal Working Group 2, which seeks ways of accommodating this new use without adversely affecting existing services.

Finally, the League opposed any reallocation of 2390-2450 MHz that would deny the Amateur Service, and particularly the Amateur-Satellite Service, access to this important band. Recent good news on this front is that satellite broadcasting interests have studied the issue and have concluded that, for the next 15 years or so, satellite sound broadcasting is not feasible above 2.0 GHz; the power requirements at the satellite end are too great. But other interests are still eyeing the band.

The League will file reply comments to the Second NOI on or before the deadline of January 7, 1991.

GROUP ASKS REVIEW OF AM POWER RULE

On Nov. 23, 1990 the Society for the Preservation of Amplitude Modulation (SPAM) filed a petition for reconsideration of the FCC's power limits for AM stations. The Commission denied, on Oct. 13, petitions by the League, by SPAM, and by others, to return to a dc power input limit of 1,000 watts on AM. Since June 2, 1990, the power limit has been 375 watts carrier power output (at 100 percent modulation).

The SPAM petition contends that the FCC has a "hidden agenda concerning ... A3E emission," in that it now restricts experimenters on AM to "a power level four times less than other emission types."

SPAM further contends that power output measurement standards for other modes may not be directly applicable to AM, especially where interference to others is concerned, and that emissions containing a carrier signal should be subject to different standards than carrier-less emissions.

SPAM points out the "adverse economic impact" on amateurs who own "$1,420,000 worth of AM transmitters," noting that most AM gear is American-made and parts to modify equipment to the new, lower power level, may be difficult to obtain.

MONTSERRAT AMATEUR KNIGHTED FOR HURRICANE HUGO EFFORTS

Errol "Bobbie" Martin, VP2MO, has received the British Empire Award for public service. Martin, known to amateurs around the world, worked tirelessly during and after Hurricane Hugo struck Montserrat, his home, in September, 1988. He provided the only communications into and out of the island for several days following the storm, which caused an estimated 100 million dollars (U.S.) damage and left a quarter of the island's 12,000 population homeless.

The BEM award, formerly the Order of the British Empire, is made to both civilian and military persons for distinguished service. Martin was the only Montserratian to receive the award for service resulting from Hugo. It bestows an honorary knighthood on the recipient, who may then be referred to as "Sir."

But VP2MO would prefer you just call him Bobbie. "It's an honor," he said, "but it doesn't put food on the table."

For more information on Martin and on the island of Montserrat see "A Montserrat Memoir," *QST* for March, 1990, page 50.

QSLING: NOT A LOST ART

Farewell to Joan Hushin, KA1IFO, manager of [the ARRL QSL Bureau] the past dozen years. The bureau handles both outgoing and (some) incoming cards; in 1990 some 3 *million* of them. At press time, applications are still being accepted for the position of Bureau Supervisor; see January *QST* League Lines.

As for your incoming cards, please help your call area bureau by ensuring that you have a stock of SASEs on file, with proper postage.

Unofficial word is that first class U.S. postage will rise to 30 cents for the first ounce and 23 cents for each additional ounce, beginning February 3, so please send your hard-working bureau volunteers either additional stamps or money, according to their preference.

DEATHS

Roy Albright, N5RA, of San Antonio, Texas, died December 2. He was 83. Albright was ARRL West Gulf Division Director from 1969 through 1976.

Maurice Carpenter, K0HRZ, of Denver, Colo., died December 17. He was 77. He was ARRL Rocky Mountain Division Director from 1978 to 1980.

George Sterling, W1AE, of Portland, Maine, died November 14 at age 96. Sterling was one of the amateurs who became licensed when licenses were first issued, in 1912. He was the founder of the Radio Intelligence Division of the FCC, which played an important role in World War II and boasts a list of distinguished alumni who are still active in telecommunications and Amateur Radio today. He was the only licensed amateur to be a Commissioner of the FCC, from 1948 to 1954.

Connie Campbell, W1CIE, of Farmington, Conn., died November 26 after a long illness. She was 60, the wife of retired QST Managing Editor Laird Campbell, W1CUT, and also had worked at League Headquarters.

BRIEFS

* The FCC has approved another one-year extension of [Special Temporary Authorizations] (STAs) for selected HF packet stations under automatic control. The extension, until January 4, 1992, is to permit continued experimentation until new FCC rules regarding automatic control of data communications are adopted.

* A federal law concerning FCC responsibility in time of war or national emergency has been changed. As of Dec. 11, 1990, Amateur Radio stations no longer will automatically be shut down in such cases. Now, in either event, all FCC licensees will be obliged to observe whatever orders and instructions the FCC issues in the interests of national security and spectrum use.

* If you're renting or borrowing space on a commercial tower, be advised that [the FCC may be interested in you]. According to the Dec. 17 issue of *Broadcasting* magazine, a two-day inspection of such towers by The FCC in November found 16 per cent (160 out of 1,031) "in apparent violation of safety rules governing their painting and lighting." Each licensee using tower space is separately responsible for lighting and painting, said Richard Smith, chief of the FCC Field Operations Bureau. The Commission has begun tentatively levying fines (mostly $2,000) against each user of towers it found in violation, according to *Broadcasting*.

* On Dec. 13 and 14 the FCC identified 141 radio operators illegally transmitting on frequencies adjacent to the Citizens Band and the

10 meter Amateur band. The two-day effort, involving personnel from all 35 Commission field offices, resulted in fines totalling $147,000.

The unlicensed operations were identified as originating from all 50 states plus the District of Columbia and Puerto Rico. The most active states, according to the FCC, were Florida, California, Michigan, Texas, and Arizona. The equipment in use typically was modified Citizens Band or Amateur transceivers with linear power amplifiers.

Operators included members of organized groups such as World Wide Sideband, Satellite, Alfa Tango, Whiskey Tango, Whiskey Jack, Unidad, Truckers, Eagles International, and Old Timers.

* In response to a request from U.S. Army Brigadier General Wesley B. Taylor, Jr, community commander of the Nuernberg (Germany) Military Community, ARRL has shipped two HF radios for Military Affiliate Radio System (MARS) use by the First Armored Division in Saudi Arabia. "Our present MARS equipment is insufficient for a deployment of this kind," Taylor said, "and we are desperately in need of additional equipment."

The rigs, a Kenwood TS-140S and an ICOM IC-735, were donated in September, 1989, by the manufacturers, for use in Puerto Rico following Hurricane Hugo.

MARS frequencies being used for traffic from the Middle East can be heard on 20.994, 19.532, 14.650, and 14.665 MHz.

MCI Communications Corporation has announced they are providing equipment "to establish 15 new MARS stations" in Saudi Arabia. Since September, MCI has been donating free emergency long-distance telephone service to U.S. military troops in Saudi Arabia through the American Red Cross.

* Lowering the median: A very active Amateur Radio club has [polled its current licensing students] by asking them four questions: 1) Age; 2) Occupation; 3) How they heard about the licensing class; and 4) Why they want to become hams.

35% of the students were age 18 or under, 40% were 19 to 50; and 22% were over 50 (3 per cent kept it a secret). 41% of the class were students, 20% had "electronics related" jobs, and 12% were retired. 75% of the class heard about it from a friend or the newspaper. And their reasons for getting a license ranged from DXing (the most popular response) to Scouting, to "for the fun of it."

* W1AW now is home to plaques listing more than 200 people who contributed $500 or $1,000 to the 1989 renovation of the Maxim Memorial Station. Those contributions amounted to some $180,000. Of course, thousands more contributed smaller amounts, it all adding up to improved service to the amateur community by the station.

W1AW has returned to 160 meters with code practice and bulletins, on 1.818 MHz (CW) and 1.890 MHz (SSB). And, since Jan. 2, the Headquarters station has changed CW frequencies on 10 and 15 meters, to 28.0675 and 21.0675 MHz, to avoid interference to packet operators.

* Nearly one hundred countries have reciprocal Amateur Radio operating agreements with the United States, according to the latest list issued by the FCC (on Dec. 7). HQ has the necessary forms to be used in applying to these and certain other countries for operating permission,

yours for an SASE.

* Nominations are sought for awards to be presented at the next ARRL Atlantic Division Convention, to be held in association with the Rochester, NY Hamfest May 17-19, 1991. "Amateur of the Year" nominees should be from the Atlantic Division and have a strong record of service to the Amateur community. A "Grand Ole Ham" award also will be presented, to someone at least 50 years old and licensed 30 years or more. New for 1991 is the Atlantic Division Technical Achievement Award, available to either an individual or group.

Complete information is available from Richard Goslee, K2VCZ, 24 Elaine Dr., Rochester NY 14623. Deadline for nominations is April 10.

AMATEUR RADIO CALL SIGN LIST

Here are the latest (as of Dec. 1, 1990) call signs issued by the FCC:

District	Group A	Group B	Group C	Group D
	Extra	Advanced	Tech/Gen	Novice
0	AA0CW	KF0OI	N0MRS	KB0HUQ
1	WN1M	KC1YL	N1IGM	KA1WSU
2	AA2CN	KE2YH	N2LKZ	KB2LOI
3	WG3V	KD3UY	N3ISG	KA3YBS
4	AC4AY	KN4TI		KC4UJV
5	AA5WC	KI5LS	N5RTK	KB5OFU
6	AA6ZU	KK6TN		KC6PPF
7	AA7GV	KG7KW	N7PXO	KB7MBI
8	AA8CR	KF8KO	N8NCU	KB8LBL
9	WX9M	KF9AG	N9KHY	KB9FSV
HAWAII		AH6KT	NH6XY	WH6CJP
ALASKA		AL7MF	NL7VP	WL7BZN
V.I.	NP2I	KP2BV	NP2EB	WP2AHF
P.R.		KP4RI		WP4JPM

From 4933257353978329173
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a24694a5f9900355
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-06 22:47:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!usc!ucsd!pacbell.com!att!bellcore!envy!karn
From: karn@envy..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: ARRL Letter, 12/31/90
Message-ID: <1991Jan7.032618.1732@bellcore.bellcore.com>
Date: 7 Jan 91 03:26:18 GMT
References: <1991Jan7.031348.1550@bellcore.bellcore.com>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@envy.bellcore.com (Phil R. Karn)

Organization: Bell Communications Research, Inc
Lines: 15

> Comments noted by the FCC in opposition to a code-free license were
>that CW is a superior means of communication that should be retained for
>all license classes, and that tradition should be maintained. FCC did not
>fully agree, saying "telegraphy skill is not so essential to proper
>operation of a station that transmits exclusively above 30 MHz such as to
>justify turning away otherwise qualified persons who do not possess the
>skill."

I always love it when the League engages in "spin control". The FCC didn't say that they didn't fully agree with these comments, they COMPLETELY REJECTED them as arguments against a codeless license. At least that's how I read the relevant parts of the Report and Order (paragraphs 12-15).

Phil

From -2451095643442686278
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2833fb9c6872dfde,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-06 22:49:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!munnari.oz.au!brolga!lingua.cltr.uq.OZ.AU!jcl
From: jcl@lingua.cltr.uq.OZ.AU (Jean-Claude Lacherez)
Newsgroups: rec.ham-radio
Subject: HamComm - Who has a good copy?
Message-ID: <1991Jan7.041415.27618@lingua.cltr.uq.OZ.AU>
Date: 7 Jan 91 04:14:15 GMT
Organization: Centre for Language Teaching and Research, Uni of Queensland, AUSTRALIA.
Lines: 28

I am very interested in the HamComm program recently posted to Simtel by W.C.Schroeder.

Unfortunately I do not seem to be able to get a good copy. I requested twice the file HC901204.ZIP from SIMTEL. But the files I received do not unzip properly. Is the file on SIMTEL corrupted? I am using Dezip20. I get CRC errors for HC901204.exe and messages about ambiguous code trees for a couple of other files, including the hlp file. I do not think the errors are caused by transmission as I downloaded other files at the same time (also ZIP files, actually) and was able to dezip them properly.

I tryed to contact the author, but the address I use must be wrong for my mail bounces.

If any one out there has a good copy of the program, could you send
me a brief note? I shall then request the file from the closest
site.

Many thanks in advance.

Jean-Claude Lacherez
Department of French
University of Queensland, Q 4072, Australia

jcl@lingua.cltr.uq.oz.au

From 28413848881426896892
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79253954a608b32c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-06 22:52:34 PST
Path: gmdzi!unido!mcsun!sunic!liuida!isy!lysator.liu.se!per
From: per@lysator.liu.se (Per Elmdahl)
Newsgroups: rec.ham-radio
Subject: Re: Recommendations Needed: Cable through Window
Message-ID: <472@lysator.liu.se>
Date: 6 Jan 91 20:01:55 GMT
References: <34245.2787533D@stjhmc.fidonet.org>
Sender: news@isy.liu.se (Lord of the News)
Organization: Lysator Computer Club, Linkoping University, Sweden
Lines: 121

Hi!
I had the same problem when I lived in a student's apartment. I wanted to get three coax cables out of a window. I did not want to drill any holes in the wall because it was not my house. Looking through a magazine describing microwave transmission lines solved the problem, though!

The article in the magazine described a "coplanar transmission line" It consists of one flat conductor surrounded by another two conductors:

```
                          ____________  ____   ____________
                         /           / /    / /           /
                        /           / /    / /           /
                       /           / /    / /           /
                      /           / /    / /           /
                     /           / /    / /           /
                    /           / /    / /           /
                   /           / /    / /           /
                  /           / /    / /           /
                 /           / /    / /           /
                /           / /    / /           /
               /           / /    / /           /
              /___________/ /____/ /___________/
              |___________| |____| |___________|
```

The signal is fed to the middle conductor while the surrounding conductors are grounded. (Now, this looks like a cut-open coaxial cable.... Interesting!)

In microwave applications the conductors are etched on a PCB. I cut strips from a sheet of brass and soldered them to two PL 259 (?) connectors.
Like this:

```
         _   _________________________________....
        | | |
      Nut&Bolt
        | | |                                Ground
        | | |_
________| |_  \
|       | | | |_______________________________....
|       | | | ________________________________....
|       | | | |
|       | | |=|                              Middle conductor
|       | | | |_______________________________....
|       | | |  _______________________________....
|_______| |_| |
        | |  _/
        | | |
        | | |                                Other ground
      Nut&Bolt
        |_| |_________________________________....
```

Rotated 90 degrees:

```
         _
        | |
        | |
        | |
        | |
________| |_
|       | | |
|       | | |
|       | |_|_____________________________________________________
|     Nut&Bolt___________________________________________________
|       | | |
|       | | |
|_______| |_|
        | |
        | |
        | |
        | |
        |_|
```

The transmission line is now 50 Ohms, unbalanced, exactly as the coax
you connect it to. Great! The only problem i had is that when I closed the
window, the transmission line got bent like this:

```
    ---------------------
                         |
                         |
                         |______________________
```

But it worked.

Now you are of course anxious to know how to calculate the dimensions
for the parts. Well, I must admit (embarrassing) that I did not use my
knowledge in electromagnethics to design the transmission line; I cut
the pieces and mounted them at the distance that gave the lowest SWR when
I connected the line between a SWR meter and a dummy load.

I used a sheet of 0.5 mm brass. The inner conductor is 4 mm wide, and the
outer conductors are about 10 mm wide. They are separated about 1-2 mm. To keep
them from touching each other I insulated the inner conductor with tape. To
keep the construction stable I put a piece of wide tape along the whole line.

I used the transmisoin successfully on 2m with my handheld, and on HF using
about 100W output.

And, yes, the window frame was made of wood. At my present apartment the window
frames are made of aluminum (?), so I don't know if I can use the lines there.

I hope you can understand my "drawings", and that you will be able to make
a few lines yourself! Please tell me if you have any problems, or, of course
if you succeed! (This applies to all other fellow net-hams too!)

```
             //Per Elmdahl SM5OCI
--
        Per Elmdahl, per@lysator.liu.se    Lysator Computer Club.
"The  Source" [ old PDP-1 Kenobi said,] " -- the cosmic template of the System,
 within which  all knowledge  and power can be had.  But you must always
 beware of the Dark Side..."
```

```
From 8019266986046359725
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a0374f57388c212,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6a0374f57388c212,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1991-01-06 23:25:43 PST
```

Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!hplabs!pyramid!wjvax!stever
From: stever@wjvax.UUCP (Steve Reinhold)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Icom IC-R1 Questions
Keywords: scanner receiver help
Message-ID: <1673@wjvax.UUCP>
Date: 7 Jan 91 07:25:43 GMT
Organization: Watkins-Johnson Co., San Jose
Lines: 40
Xref: gmdzi rec.radio.shortwave:3355 rec.ham-radio:18918

While traveling in Japan recently, I bought an ICOM IC-R1 Communications Receiver. This is a handheld scanning receiver about the same size as a HT without the external battery case. The specified frequency range is 2-905 MHz but it will tune 100 kHz to 1300 MHz. It is a really neat unit. I have been having fun listening to police calls, ham radio, etc. but I have a bunch of questions:

1. Can anyone supply an English instruction manual for this unit? I have only the Japanese manual and there are some functions I have not yet figured out. ICOM America sent me a form letter stating that they will not supply the unit or the manual in the U.S. at this time.

2. Can anyone supply a list of frequencies of interesting things to listen to in the Bay area, particularly San Jose and Santa Cruz areas?

3. How could I construct a simple antenna for listening to HF frequencies? (the unit comes with a flexible VHF-UHF antenna). Should I build an active antenna? (I saw a Ramsey kit for about $20)

4. Can anyone supply a list of interesting HF frequencies which I might be able to pick up with this receiver and the above antenna? The tuning resolution is 500 Hz and demodulation modes are AM, FM, Wideband FM.

5. Can anyone recommend a good book for introduction to amateur radio?

Thanks in advance for any help.

Steve Reinhold
{..!pyramid,..!decwrl!qubix}!wjvax!stever
Watkins-Johnson Co., San Jose Ca. : (408) 435-1400 x3203

--

Steve Reinhold
{..!pyramid,..!decwrl!qubix}!wjvax!stever
Watkins-Johnson Co., San Jose Ca. : (408) 435-1400 x3203

From 6027974188916270333
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38c4eaa8309c5b10
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 00:10:55 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!cs.umn.edu!kksys!edgar!brainiac!jrc
From: jrc@brainiac.mn.org (Jeffrey Comstock)
Newsgroups: rec.ham-radio
Subject: Re: EQ for Microsats, DSP, etc.
Keywords: Equipment for Microsats, DSP, tips
Message-ID: <1991Jan7.081055.932@brainiac.mn.org>
Date: 7 Jan 91 08:10:55 GMT
References: <839@idacrd.UUCP> <405@plato.hera.Sbi.Com>
Organization: Sewer of Source Code
Lines: 12

In article <405@plato.hera.Sbi.Com> jl@hera.Sbi.Com (Jean-Louis Ecochard) writes:

```
>A recent article with this subject mentions the PK-232 and new AEA DSP product.
>I just purchased a PK-232 (as an alternative to the M7000) and was
                                  ^^^^^^^^^^^^^^^^^^^^^^^^
```

Whoa - isn't the difference between a PK232 and an M7000 kind of like the
difference between a 3 wheeled roller skate and the starship Enterprise ?

Jeff - NR0D
--
Jeffrey Comstock
Senior CyberGeek

From 4895298764238392108
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f7a99f230acaea3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 13ce86,f7a99f230acaea3,start
X-Google-Attributes: gid13ce86,public
X-Google-ArrivalTime: 1991-01-07 00:55:49 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio,fido.ham-radio
Subject: AMSAT NEWS
Message-ID: <1978@n8emr.UUCP>
Date: 6 Jan 91 23:12:48 GMT
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 160
Xref: gmdzi rec.ham-radio:18870

==

This file available from N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5

==

Posted: Sun, Jan 6, 1991 7:22 AM GMT Msg: JGJB-4537-5768
From: CDUNCAN
To: is
CC: w1aw, bpasternak, ans
Subj: ANS$005

SB ALL @ AMSAT $ANS-005.01
SOFTWARE DEVELOPERS WANTED

HR AMSAT NEWS SERVICE BULLETIN 005.01 FROM AMSAT HQ
SILVER SPRING, MD JANUARY 5, 1991
TO ALL RADIO AMATEURS BT

AMSAT looking for Volunteers to Develop PACSAT Software for Various Computers

AMSAT hardware and software development runs entirely on the volunteer efforts of its members. People like Harold Price, NK6K, Bob McGwier, N4HY, Tom Clark, W3IWI, and others have volunteered thousands of hours over the past 22 years to make the Amateur Satellite Program what it is today. Unfortunately, AMSAT has yet to perfect a cloning process for people like Harold, Bob, and Tom (some might argue after having met them, this is a good thing!). However, the lack of Harold, Bob, and Tom clones means the engineering development efforts are resource limited . AMSAT is constantly in need of individuals who feel that the Amateur Satellite Program is important and feel that they have something to offer in the area of spacecraft development.

At present, the PACSAT Protocol Suite (PPS) is only available for the MS-DOS IBM (and clones) platform. The engineering team chose to develop the PPS for the IBM for the simple reason that that is what they have at home. It is not an attempt to exclude anyone from using the Microsats, it is simply a matter of project prioritization. There is an immediate need for individuals who are fairly competent software developers who have an interest in porting the PPS to other computing platforms. AMSAT recognizes that users of the satellites employ a number of different types of computers for tracking and other Ham Radio applications, however, until someone steps forward to develop software for the other various platforms, only people who have access to MS-DOS machines will have access to the PACSATs and UO-14.

If you are interested in such a project, do not be frighted by the thought that you will have to whip this up from scratch and in a vacuum. Harold, NK6K and Jeff G0/K8KA, have published an exhaustive spec on the PPS and you will have access to members of the AMSAT Engineering team who can provide additional information during the development/beta test phase of your project development. The ultimate goal is to provide the AMSAT Software Exchange with executable PPS code for your favorite machines. Besides having your name and call sign on the copywrite notice, you will have the satisfaction that you personally have contributed to one of most exciting aspects of Amateur Radio. Think it over. If you are reading this on a MacIntosh, Amiga, Atari, C-64, or ZX-81 and feel confident enough to take on this sort of a project, contact Area Coordinator and AMSAT's new Software Exchange Manager: Roy Welch (W0SL) 908 Dutch Mill Rd., Manchester, MO 63011 (or call (314) 391-1127 after January 14, 1991). The only way anything is accomplished by AMSAT is when people like you step up and sign up for a piece of the action.

/EX
SB ALL @ AMSAT $ANS-005.02
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 005.02 FROM AMSAT HQ
SILVER SPRING, MD JANUARY 5, 1991
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule

Happy New Year! from the AMSAT Operations Team

AMSAT Operations Nets are planned for the following times.Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date	Phs	mode	UTC	NCS	Alt.	U.S. day
13 Jan 91	99	B	0500	WB6LLO	N5BF	Saturday
19 Jan 91	210	B	1445	WB9ANQ	KA5SMA	Saturday
26 Jan 91	211	B	1830	WA5ZIB	WD0E	Saturday
03 Feb 91	0500	B	0107	N5BF	WB6LLO	Saturday
09 Feb 91	1430	B	0212	KA5SMA	WB9ANQ	Saturday

John Champa (K8OCL), AMSAT-NA Executive VP will discuss AMSAT participation in advanced projects such as the World Space Foundation Solar Sail, Lunar olar Prospector, and SEDSAT (supported by the Detroit Oscar User's Group) during he net session on 13 January 91.

Roy Welch (W0SL) will discuss his new job as AMSAT Software Exchange Manager and what this means in terms of improved software user support during the 26 January 91 session.

It is the intention of the Operations Net management to have guest speakers approximately every other week to provide up-to-the-minute information on topics of interest (such as Microsat ground station software, AMSAT Software Exchange, and WARC 92). As guest speakers and topics are confirmed they will be published in ANS.

For information on the amateur satellite program and how you can participate, contact AMSAT-NA Headquarters at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062, or contact your local AMSAT Area Coordinator.

```
/EX
SB ALL @ AMSAT      $ANS-005.03
NEW AO-13 TRANSPONDER SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 005.03 FROM AMSAT HQ
SILVER SPRING, MD JANUARY 5, 1991
TO ALL RADIO AMATEURS BT

The new winter transponder schedule for AO-13 is as follows:

 Mode-B : MA   0 to MA 165 | <= If eclipses over-drain battery in
 Mode-JL: MA 165 to Ma 190 |    Jan 10 - Feb 06, B-OFF MA 20-65
 Mode-LS: MA 190 to MA 195 |
 Mode-S : MA 195 to MA 200 | <= Mode B is OFF; no swishing!
 Mode-BS: MA 200 to MA 205 | <= QRP on BS please.  High power
 Mode-B : MA 205 to MA 256 |    wipes out mode S experimenters.
 Omnis  : MA 240 to MA  30 |

This schedule is expected to span from 28 December 90 to 25 March 91

The command team requests that you make a specific effort to use QRP on Mode B
between MA 200 to 205.  This is specifically to help those people who are
experimenting with Mode S.

During the Winter, the worst Sun angle (11 March 91) will be -27 deg,
resulting in 89% illumination.  AO-13 will experience eclipses by the Earth
from 11 January 91 to 6 February 91, the longest being 82 minutes (MA 32-53).
If battery drain is excessive during this period of time, it may result in
Mode B being turned off from MA 20-65 until 6 February 91.  AO-13 will
experience Lunar eclipses on 16 March 91 (50%) and 14 April 91 (23%).

Magnetorquing operations are complete and the resulting spacecraft attitude of
AO-13 is:

               BLON = 209.5  and  BLAT = 0.7  for 31 December 90

AMSAT-OSCAR-10 appears to be receiving sufficient solar panel illumination to
support Mode-B transponder operations. The transponder may be used, carefully,
at all points of the orbit except MA 254 - 006 when eclipses occur.  If beacon
or transponder signals show signs of FMing, users should cease all transponder
use immediately.  An APPROXIMATION of the spacecraft attitude for AO-10 is :

               BLON = 0.0    and  BLAT =  2.0  for 19 January 91


/EX

Command?
```

From -9177125292964457261
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f7a99f230acaea3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 13ce86,f7a99f230acaea3
X-Google-Attributes: gid13ce86,public
X-Google-ArrivalTime: 1991-01-07 00:55:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio,fido.ham-radio
Subject: AMSAT NEWS
Message-ID: <1979@n8emr.UUCP>
Date: 6 Jan 91 23:14:35 GMT
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 351
Xref: gmdzi rec.ham-radio:18871

==

This file available from N8EMR's Ham BBS,

614-895-2553 1200/2400/9600/V.32/PEP/MNP5

==

```
Posted: Sat, Jan  5, 1991   7:25 PM GMT              Msg: EGJB-4537-4307
From:   DCAMPBELL
To:     is
Subj:   ORBS$005
```

SB ALL @ AMSAT $ORBS-005.O
Orbital Elements   005.OSCAR

HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES
FROM N3FKV HEWITT, TX   JANUARY 5, 1991
TO ALL RADIO AMATEURS BT

```
Satellite: AO-10
Catalog number: 14129
Epoch time:      90356.51445136
Element set:     630
Inclination:       25.9183 deg
RA of node:       168.6928 deg
Eccentricity:    0.5967533
Arg of perigee:   202.9623 deg
Mean anomaly:     113.0649 deg
Mean motion:    2.05882900 rev/day
```

```
Decay rate:      -1.08e-06 rev/day^2
Epoch rev:            2861

Satellite: UO-11
Catalog number: 14781
Epoch time:      90364.62968659
Element set:     896
Inclination:       97.9252 deg
RA of node:        50.5452 deg
Eccentricity:    0.0012778
Arg of perigee:   349.8055 deg
Mean anomaly:      10.2899 deg
Mean motion:   14.66016601 rev/day
Decay rate:      1.340e-05 rev/day^2
Epoch rev:           36474

Satellite: RS-10/11
Catalog number: 18129
Epoch time:      91001.00267808
Element set:     477
Inclination:       82.9240 deg
RA of node:       182.3733 deg
Eccentricity:    0.0010692
Arg of perigee:   294.0017 deg
Mean anomaly:      66.0033 deg
Mean motion:   13.72133381 rev/day
Decay rate:       9.30e-07 rev/day^2
Epoch rev:           17657

Satellite: AO-13
Catalog number: 19216
Epoch time:      90364.23183531
Element set:     230
Inclination:       56.8519 deg
RA of node:       118.2211 deg
Eccentricity:    0.7095980
Arg of perigee:   243.7143 deg
Mean anomaly:      29.7057 deg
Mean motion:    2.09698404 rev/day
Decay rate:       2.70e-07 rev/day^2
Epoch rev:            1951

Satellite: FO-20
Catalog number: 20480
Epoch time:      90363.01335131
Element set:     178
Inclination:       99.0197 deg
RA of node:        12.5536 deg
Eccentricity:    0.0540758
Arg of perigee:   327.2364 deg
Mean anomaly:      29.6236 deg
Mean motion:   12.83166627 rev/day
Decay rate:       1.90e-07 rev/day^2
```

```
Epoch rev:            4173

/EX
SB ALL @ AMSAT  $ORBS-005.D
Orbital Elements   005.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS
FROM N3FKV HEWITT, TX      JANUARY 5, 1991
TO ALL RADIO AMATEURS BT

Satellite: UO-14
Catalog number: 20437
Epoch time:      90361.18508633
Element set:     286
Inclination:       98.6871 deg
RA of node:        76.5906 deg
Eccentricity:    0.0011296
Arg of perigee:   314.9270 deg
Mean anomaly:      45.0972 deg
Mean motion:   14.28828808 rev/day
Decay rate:       4.54e-06 rev/day^2
Epoch rev:            4842

Satellite: AO-16
Catalog number: 20439
Epoch time:      90361.65134047
Element set:     184
Inclination:       98.6894 deg
RA of node:        77.2751 deg
Eccentricity:    0.0011102
Arg of perigee:   314.7480 deg
Mean anomaly:      45.2798 deg
Mean motion:   14.28925664 rev/day
Decay rate:       3.71e-06 rev/day^2
Epoch rev:            4849

Satellite: DO-17
Catalog number: 20440
Epoch time:      90359.11967090
Element set:     183
Inclination:       98.6865 deg
RA of node:        74.7783 deg
Eccentricity:    0.0010790
Arg of perigee:   321.3692 deg
Mean anomaly:      38.6723 deg
Mean motion:   14.28982888 rev/day
Decay rate:       4.06e-06 rev/day^2
Epoch rev:            4813

Satellite: WO-18
Catalog number: 20441
Epoch time:      90362.66779777
Element set:     184
```

```
Inclination:       98.6892 deg
RA of node:        78.3532 deg
Eccentricity:    0.0011811
Arg of perigee:   312.3442 deg
Mean anomaly:      47.6739 deg
Mean motion:   14.29063322 rev/day
Decay rate:       3.45e-06 rev/day^2
Epoch rev:            4864

Satellite: LO-19
Catalog number: 20442
Epoch time:      90359.36064767
Element set:     183
Inclination:       98.6876 deg
RA of node:        75.0967 deg
Eccentricity:    0.0012082
Arg of perigee:   320.8594 deg
Mean anomaly:      39.1713 deg
Mean motion:   14.29133556 rev/day
Decay rate:       3.20e-06 rev/day^2
Epoch rev:            4817

/EX
SB ALL @ AMSAT  $ORBS-005.M
Orbital Elements   005.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES
FROM N3FKV HEWITT, TX      JANUARY 5, 1991
TO ALL RADIO AMATEURS BT

Satellite: SALYUT 7
Catalog number: 13138
Epoch time:      91001.00006638
Element set:     704
Inclination:       51.5950 deg
RA of node:         5.0336 deg
Eccentricity:    0.0003550
Arg of perigee:    39.7367 deg
Mean anomaly:     320.4969 deg
Mean motion:   15.96972077 rev/day
Decay rate:     2.2012e-03 rev/day^2
Epoch rev:           49604

Satellite: MIR
Catalog number: 16609
Epoch time:      91001.51317624
Element set:     176
Inclination:       51.6110 deg
RA of node:        51.6068 deg
Eccentricity:    0.0025448
Arg of perigee:    71.2395 deg
Mean anomaly:     289.1473 deg
Mean motion:   15.61406690 rev/day
```

```
Decay rate:     3.8752e-04 rev/day^2
Epoch rev:           27907

Satellite: HUBBLE
Catalog number: 20580
Epoch time:      91001.35608294
Element set:     382
Inclination:       28.4710 deg
RA of node:        67.6433 deg
Eccentricity:    0.0005403
Arg of perigee:    28.6682 deg
Mean anomaly:     331.4291 deg
Mean motion:   14.85838409 rev/day
Decay rate:      4.538e-05 rev/day^2
Epoch rev:            3746

/EX
SB ALL @ AMSAT  $ORBS-005.W
Orbital Elements   005.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM N3FKV HEWITT, TX      JANUARY 5, 1991
TO ALL RADIO AMATEURS BT

Satellite: NOAA-9
Catalog number: 15427
Epoch time:      90362.25961523
Element set:     687
Inclination:       99.1719 deg
RA of node:         6.6760 deg
Eccentricity:    0.0015058
Arg of perigee:   180.9562 deg
Mean anomaly:     179.1577 deg
Mean motion:   14.12764946 rev/day
Decay rate:       3.57e-06 rev/day^2
Epoch rev:           31138

Satellite: NOAA-10
Catalog number: 16969
Epoch time:      90360.27441756
Element set:     533
Inclination:       98.5827 deg
RA of node:        23.7740 deg
Eccentricity:    0.0014525
Arg of perigee:    71.9543 deg
Mean anomaly:     288.3209 deg
Mean motion:   14.23838301 rev/day
Decay rate:       4.45e-06 rev/day^2
Epoch rev:           22194

Satellite: MET-2/17
Catalog number: 18820
Epoch time:      90365.07518123
```

```
Element set:     440
Inclination:       82.5434 deg
RA of node:       193.9355 deg
Eccentricity:    0.0017093
Arg of perigee:   127.2199 deg
Mean anomaly:     233.0472 deg
Mean motion:   13.84406069 rev/day
Decay rate:       1.12e-06 rev/day^2
Epoch rev:           14742

Satellite: MET-3/2
Catalog number: 19336
Epoch time:      90364.89200427
Element set:     693
Inclination:       82.5416 deg
RA of node:       138.2707 deg
Eccentricity:    0.0016513
Arg of perigee:   178.9374 deg
Mean anomaly:     181.1795 deg
Mean motion:   13.16907704 rev/day
Decay rate:       2.00e-07 rev/day^2
Epoch rev:           11684

Satellite: NOAA-11
Catalog number: 19531
Epoch time:      90365.41093826
Element set:     440
Inclination:       99.0090 deg
RA of node:       314.1992 deg
Eccentricity:    0.0013000
Arg of perigee:    88.9486 deg
Mean anomaly:     271.3174 deg
Mean motion:   14.11845756 rev/day
Decay rate:       7.00e-06 rev/day^2
Epoch rev:           11679

Satellite: MET-2/18
Catalog number: 19851
Epoch time:      90364.66481083
Element set:     392
Inclination:       82.5212 deg
RA of node:        71.9302 deg
Eccentricity:    0.0014454
Arg of perigee:   167.9167 deg
Mean anomaly:     192.2346 deg
Mean motion:   13.84043196 rev/day
Decay rate:       1.91e-06 rev/day^2
Epoch rev:            9274

Satellite: MET-3/3
Catalog number: 20305
Epoch time:      90364.69418209
Element set:     302
```

```
Inclination:       82.5494 deg
RA of node:        79.4230 deg
Eccentricity:    0.0015314
Arg of perigee:   197.7681 deg
Mean anomaly:     162.2854 deg
Mean motion:   13.15966319 rev/day
Decay rate:      4.902e-05 rev/day^2
Epoch rev:            5679

Satellite: MET-2/19
Catalog number: 20670
Epoch time:      90360.83798985
Element set:     140
Inclination:       82.5455 deg
RA of node:       135.7527 deg
Eccentricity:    0.0017243
Arg of perigee:   105.7961 deg
Mean anomaly:     254.5105 deg
Mean motion:   13.83886986 rev/day
Decay rate:       1.25e-06 rev/day^2
Epoch rev:            2516

Satellite: FY-1/2
Catalog number: 20788
Epoch time:      90360.67381739
Element set:      82
Inclination:       98.9343 deg
RA of node:        32.7980 deg
Eccentricity:    0.0010405
Arg of perigee:   306.6667 deg
Mean anomaly:      53.3619 deg
Mean motion:   14.00608869 rev/day
Decay rate:       3.87e-06 rev/day^2
Epoch rev:            1605

Satellite: MET-2/20
Catalog number: 20826
Epoch time:      90360.99525211
Element set:      90
Inclination:       82.5262 deg
RA of node:        74.8415 deg
Eccentricity:    0.0014115
Arg of perigee:     9.2052 deg
Mean anomaly:     350.9363 deg
Mean motion:   13.83255385 rev/day
Decay rate:       2.90e-06 rev/day^2
Epoch rev:            1240

/EX

Command?
```

From 845067325190738087
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,adc9a60b149ed65,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 03:14:43 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House,
Swindon")
Newsgroups: rec.ham-radio
Subject: ARRL Membership.
Message-ID: <07.Jan.91.11:15:40.GMT.#7319@UK.AC.NWL.IA>
Date: 7 Jan 91 11:14:43 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6

Seeing the recent discussion on ARRL's feelings on no-code license, i was
wondering - what proportion of US hams are members of ARRL?   Here in the UK
the membership of RSGB is some 50-60%% of license holders. I can dig out
the precise figure if anyone is interested.

Pete Lucas PJML@UK.AC.NWL.IA G6WBJ@GB7SDN.GBR.EU

From -7021576352275020744
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3a32d1b6a3fb8ce5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 100be6,3a32d1b6a3fb8ce5,start
X-Google-Attributes: gid100be6,public
X-Google-Thread: fddbf,3a32d1b6a3fb8ce5,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,3a32d1b6a3fb8ce5,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1991-01-07 03:16:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!
bionet!turbo.bio.net!lear
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: news.announce.newgroups,rec.ham-radio,rec.ham-radio.swap,rec.ham-
radio.packet
Subject: CALL FOR VOTES: reorganization of rec.ham-radio.*
Message-ID: <Jan.6.23.53.39.1991.9616@turbo.bio.net>
Date: 7 Jan 91 07:51:50 GMT
Sender: lear@turbo.bio.net
Reply-To: jmaynard@thesis1.hsch.utexas.edu
Followup-To: news.groups
Lines: 129
Approved: lear@turbo.bio.net
Xref: gmdzi news.announce.newgroups:785 rec.ham-radio:18872 rec.ham-radio.swap:900
rec.ham-radio.packet:3355

This is a formal call for votes for the proposed reorganization of rec.ham-radio.*. The discussion period started on December 4, 1990, and has run for just over the required 30 days (extended from the original ending time of 31 December 1990 due to the Christmas and New Year's holidays). Please read this entire posting before sending in your vote; the ballot to be used is at the end.

THE PROPOSAL:
=============

The following groups are to be renamed:
rec.ham-radio   => rec.radio.amateur.misc
rec.ham-radio.packet => rec.radio.amateur.packet
rec.ham-radio.swap   => rec.radio.swap
Groups will be renamed by creating the replacement group, asking site admins to alias the old group to the new one, and rmgrouping the old group after traffic in it has died down, hopefully about a month later. This method has been shown to work in other hierarchies.

The following groups are to be created:
rec.radio.amateur.policy
This group is intended to contain any and all discussion about policy issues pertaining to amateur radio, including, but not limited to, rules, regulations, laws, and legal actions by and against amateur radio operators. This group is to be unmoderated.

rec.radio.cb
This group is intended to contain discussions related to Citizens' Band radio. This group will be unmoderated.

RATIONALE:
==========

1. Why move the groups at all? The primary motivation is to make it easier for interested people to find newsgroups related to ham radio. The rec.radio hierarchy was created after rec.ham-radio (net.ham-radio before the Great Renaming). It is an inconsistency in the namespace to have groups for similar purposes separated from each other, and that makes it harder for new users to find the desired groups. Further, this allows a change from ham radio to amateur radio (see next topic).

2. Why .amateur instead of .ham? It has been pointed out in discussion that "ham radio" is primarily an American term, and carries little meaning outside the US. In addition, there are negative connotations attached to "ham" that don't apply to "amateur". Some confusion also exists in the public mind about just what a "ham radio operator" is, as evidenced by the occasional "ham operator jams aircraft frequencies!" when the person in question has never been a licensed amateur radio operator.

3. Why a .policy group? A significant part of the traffic in rec.ham-radio is concerned with issues of policy. This includes substantially all of the flamage, which has in the recent past included such subjects as whether or not it's legal to order a pizza via an amateur repeater, the proposal to add a class of license that

does not require knowledge of the International Morse Code, and the legality of modifying amateur equipment to transmit outside the amateur bands. The new group is intended to move the flames and the long discussions that never seem to get anywhere out of the main group.

4. Why use the name .policy, instead of .rules, .regs, .regulations, etc.? The group is intended to contain any and all discussion about any policy issues pertaining to amateur radio. This includes not just rules and regulations of the FCC and other national regulatory bodies, but also laws affecting hams (such as the infamous New Jersey scanner law), lawsuits over nuisance issues, antenna ordinances, frequency coordination and band planning, and the like. .policy is the best name that has been suggested for the group out of many possibilities.

5. Why not a .tech group? There are two reasons for this one. The first is that there's more to ham radio that's non-inflammatory than just technical discussions, and the object of a new group is to move the flames, not run away from them. A .tech group would leave those of us who are interested in more than just technical discussions, yet not in the seemingly endless legal discussions, left to wade through the flames. Second, Brian Kantor, who maintains the info-hams mailing list, has said that info-hams will continue to gateway rec.ham-radio (and, presumably, rec.radio.amateur.misc) only, and moving the technical postings off would deprive those on the mailing list.

6. Why create a .cb group? There is currently no place for Citizens' Band radio discussions explicit in the hierarchy. These postings currently wind up in rec.ham-radio, where they tend to generate flamage all out of proportion to their volume.

THE MECHANICS OF THE VOTE:
==========================

The voting period will run from Monday, 7 January 1991 until Monday, 28 January 1991. Only votes received during that period will be counted. Each proposal is a separate vote, and must be voted on separately under the Guidelines for Group Creation (which have been applied to renames as well in the past).

Please edit and send in the ballot below. Each ballot will be stripped of all but the From: line and the lines containing valid votes by an automatic process; I won't see any comments included. No individual acknowledgments will be mailed. Votes will be acknowledged en masse in a posting on Thursday, 18 January 1991, and complete vote results will be posted on Tuesday, 29 January 1991.

For each proposal, indicate your choice of a yes vote or a no vote by placing a Y or N, respectively, at the beginning of the line. The first character on the line that is either a Y or an N (case doesn't matter) will be counted as your vote on that proposal. You may abstain from any particular vote by deleting the line entirely from the ballot. An invalid

```
line (one not containing a Y or an N before the "Proposal #n:" tag) will be
treated as an abstention, as well. Mail the completed ballot to me at
this address, jmaynard@thesis1.hsch.utexas.edu, with the characters "VOTE"
somewhere in the Subject: line. (Again, case doesn't matter.) Replying to
this message with your newsreader's mail reply command ("R" in rn, readnews,
vnews, and vn; I don't know nn's commamd) will work fine. Votes posted to
the net will be summarily ignored and may earn the poster a free flame from
the net.police.

THE BALLOT:
===========
 ?   Proposal #1: Rename rec.ham-radio to rec.radio.amateur.misc
 ?   Proposal #2: Rename rec.ham-radio.packet to rec.radio.amateur.packet
 ?   Proposal #3: Rename rec.ham-radio.swap to rec.radio.swap
 ?   Proposal #4: Create rec.radio.amateur.policy
 ?   Proposal #5: Create rec.radio.cb




--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu  | adequately be explained by stupidity.
            "I smell a scientific fish." -- Chip Salzenberg


From 2451360060984920019
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88a0e58d08c1b1f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 03:23:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!well!tenney
From: tenney@well.sf.ca.us (Glenn S. Tenney)
Newsgroups: rec.ham-radio
Subject: Re: new technician license
Message-ID: <22473@well.sf.ca.us>
Date: 7 Jan 91 07:40:04 GMT
References: <989.2785C6CD@w8grt.fidonet.org> <763@wells.UUCP>
Organization: Whole Earth 'Lectronic Link, Sausalito, CA
Lines: 7

A friend is an active ARRL VE in the San Jose area.  He
says that they were told (and yesterday did) to take
2 and 3A tests now, and hold the 610 submittal until
the 15th.

Glenn
AA6ER


From 6282236877828511159
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3effd5f46b667f5e,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1991-01-07 03:54:40 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!lavaca.uh.edu!menudo.uh.edu!lobster!urchin!f8324.n106.z1.fidonet.org!Christopher.Boone
From: Christopher.Boone@f8324.n106.z1.fidonet.org (Christopher Boone)
Newsgroups: rec.ham-radio
Subject: Comet/NCG antennas,diplexers
Message-ID: <5290.2787F630@urchin.fidonet.org>
Date: 6 Jan 91 23:12:54 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8324 - Far Point Relay Ham, Katy Tx
Lines: 9

Anyone with experience with Comet (sold by NCG and others) antennas and
diplexers? I have bought two diplexers for my rptrs to be moved
to a new tower site and they will help in saving me from having to use heliax
I have..but after looking inside of them, I am wondering if they will do the
job...The IFR A8000 at work shows they do what their specs say they will...
but I hva enot tried the antenna or diplexers in real service yet (waiting for
the wx to clear!)..any comments, etc would be appreciated..
73
WB5ITT

From -8383761690570849746
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b4911c200661b327,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-07 03:54:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!TRIUMFER.BITNET!MULTI
From: MULTI@TRIUMFER.BITNET
Newsgroups: rec.ham-radio
Subject: Wanted: to enrol in "Fox Tango" club
Message-ID: <91Jan7.041557est.57661@ugw.utcs.utoronto.ca>
Date: 7 Jan 91 08:11:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6

Could someone please pass me the mailing address of the "Fox Tango Club", and
the yearly membership dues.

Y.N. Miles,
VE7-ALQ,
<MULTI.TRIUMFcl.bitnet>

From 2358593325031829314
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6d2f8809a3fb09fb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 18:55:46 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!p2.f715.n153.z1.fidonet.org!Lynn.Wold

From: Lynn.Wold@p2.f715.n153.z1.fidonet.org (Lynn Wold)
Newsgroups: rec.ham-radio
Subject: Will the codless license save ham radio (ARRL BASHING)
Message-ID: <957.27835530@w8grt.fidonet.org>
Date: 3 Jan 91 21:11:47 GMT
Sender: ufgate@w8grt.fidonet.org (newsout1.26)
Organization: FidoNet node 1:153/715.2
Lines: 67

In a message of <Dec 29 10:22>, Gary Bourgois (1:234/1) writes:

GB> After listening to all the belly aching about the codeless license, I
GB> decided it is time for the Eccentric Old Hippie to toss in his dos
GB> centavos.

GB> I think the FCC is one heck of a lot smarter than those old rickity
GB> coots at ARRL. The code free license that ARRL proposed would have
GB> brought in NO ONE. Plain and simple, that ticket had no value, and the
GB> FCC is wise enough to see that. Here are these grinchy coots wanting to
GB> hang on to all the "good stuff" like 2 meters for themselves.

GB> WHAT ON EARTH FOR? Maybe there is a lot of fascinating 2meter
GB> discussions where YOU live, but my experience is that NEW BLOOD is
GB> NEEDED, and without this transfusion, the patient is gonna die.

GB> One of the group has already stated that come february he will be taking
GB> the plunge. I am figuring that once HE does, several of the others in
GB> the 27.275 group will also join in (There are THREE of us in the group
GB> that are already hams, but find the CB group more handy)

GB> I think it is time we old timers wake up and smell the coffee. I am in
GB> my 40's and I am the youngest member of most of the nets I am on. I
GB> used to remember in the 50's and 60's always hearing high school and
GB> college age kids on the ham bands. I don't think there is anyone
GB> younger than 35 on the local ham bands, and I do not recall hearing very
GB> many youthful voices on 20 40 or 75 either.

GB> I want to personally elmer in a SLEW of new ops, and so should the rest
GB> of you.

GB> At least here on USENET, there has not been the sour grapes doom and
GB> gloom griping.

GB> "Ham radio will become like CB"

GB> Well I tell ya folks. Listen to 14.313 and then come to Marquette
GB> Michigan and tune in 27.275. Compare the two. Then say "Boy would it
GB> ever be a good thing if it *DID*"

Hi this is a call from across the border. About 10 years ago there was an influx of "CBers". Guess what guys these people turned out to be the best darned operators around. Several of them including myself are still active but several of them gave up .Due to lack of interest in the scope and subjects or lack there of being discussed on the Amateur Bands. Can we blame them. No! Either we keep the hobby alive with fresh ideas and operators or even a transfusion wont help.The average age of the Amateur Radio Operator has gone up by 10 years over the past 5 years in both Canada and the U.S.A. We need the younger operator to keep our hobby a viable,going concern. No code licencing may achieve that objective. If not we are going to lose band space etc! It really is a case of use it or lose IT!

--- msged 2.06
 * Origin: A Difficult Point, Maple Ridge, BC   (1:153/715.2)

--
Lynn Wold - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!153!715.2!Lynn.Wold
INTERNET: Lynn.Wold@p2.f715.n153.z1.fidonet.org

From -3391375681003884900
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3dd5b3f0d1faf6f7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 18:55:50 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!p0.f192.n101.z1.fidonet.org!David.Moisan
From: David.Moisan@p0.f192.n101.z1.fidonet.org (David Moisan)
Newsgroups: rec.ham-radio
Subject: ARRL RECONSIDERATION?
Message-ID: <958.27835538@w8grt.fidonet.org>
Date: 3 Jan 91 21:12:05 GMT
Sender: ufgate@w8grt.fidonet.org (newsout1.26)
Organization: FidoNet node 1:101/192.0
Lines: 53

I recently read something on USENET (Via the HAM-TECH echo) by a guy who addressed apparent rumors that the ARRL will appeal the no-code tech license. The poster talked to someone from the ARRL, the Mid-Atlantic coordinator, if I read the posting correctly. This coordinator mentioned three possibile difficulties with the no-code Tech:

1. The Code/No-code battle. It was mentioned that this debate has split ham radio, and that if the no-code goes into effect, it'll damage the hobby (because of the split).

2. If more new amateurs go to 6 meters (seemingly underutilized), they'll cause (more) TVI to channel 2.

3. The Novice privileges on 220 were intended to get more spectrum in use up there, which as most of you know is endangered by commercial interests. By giving 2 meters to new no-code techs, the 2 meter band may well become overloaded.

My response:

1. The ARRL seems to be saying that, because some old hams are bitter about no-code, no-code should not be implemented. I say (no offense) to the OF's--TOUGH LUCK! Life is but constant change, and new folks should not carry the cross just because of progress. The ARRL MUST get new blood if it is to survive, and if that means that a relative few will be unhappy and bitter, so be it. Most people on this echo accept the ruling, anyway.

2. The TVI thing. The ARRL is almost saying that the CW test is a "filter" that will keep all these people off 6 meters. It's ridiculous--how many people even operate in that band, anyway?

3. Band loading may well be a concern, but the ARRwould do better to take a proactive approach, and explain the numerous benefits of 220, 440, 1270, etc. I've been told on another echo, that by commercial standards, 2 meters is not heavily used. In any event, the ARRL should speak to all hams on this, instead of asking the newcomers to bear the "sins" of their elders.

I'm infuriated; If the ARRL does appeal, then I'll NEVER join, for then the organization will not serve MY interests (which are as valid as any old farts'). If they appeal, you'll hear Wayne Green talking about this one from now until Hell, for sure!

---Grey---

--- Opus-CBCS 1.14
 * Origin: NPI I (617) 593-0081 Lynn, MA 01904 (1:101/192.0)

--
David Moisan - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!101!192.0!David.Moisan
INTERNET: David.Moisan@p0.f192.n101.z1.fidonet.org

From -348118271191140498
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a37bd3ac8f34d75c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 19:02:42 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!zaphod.mps.ohio-state.edu!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: weather satellite questions
Message-ID: <845@idacrd.UUCP>

Date: 3 Jan 91 21:11:36 GMT
References: <OWHITE.91Jan2115333@haywire.nmsu.edu>
Distribution: rec.ham-radio
Organization: idacrd, princeton, nj
Lines: 73

From article <OWHITE.91Jan2115333@haywire.nmsu.edu>, by owhite@nmsu.edu (smouldering dog):

> I am building a digital imagery station for APT weather data and I
> would like to know what I should use for the 2400 Hz AM demodulator.
> the ARRL handbook doesn't appear to have much information on this
> stage of data receiving.
> --
>

In QST, Earl Schwittek advertises a board that will do the job. It is ~ $120 assembled and tested and much less for bare board, schematics, and some documentation. This board is very straightforward and comes with software to support it. In its native format, a game port is required though you can get around this as well.

The board consists of several simple pieces:

First, there is a low Q bandpass filter around 2400 Hz. Low Q because it must do things like not filter off the modulation side bands which include the sync tones (even though no software but mine apparently uses the sync signal, I'd like to be proved wrong). It must also pass Meteor (Russian weather birds) imagery. The Meteor's do not have their tone at 2400 Hz.

Following this is a standard envelope detector. This is a full wave rectifier and a low pass filter. The APT handbook says the image carries information to 1400 Hz so a well designed system could use 1400 Hz. In analog practice, it is difficult to get this so most designs have this analog filter cutoff at a lower frequency. The pictures are good anyway but some small amount of resolution is lost.

In my strictly DSP approach, I have an FIR which cuts off at 1200 Hz and stops shut at 2400 Hz. It is 44 dB down at 2400 with less than 1 dB of ripple in the passband (how I LOVE DSP).

The output of this lowpass filter is sampled under software control and the digitized samples are sent through the game port.

One of the nice features of Earl's hardware is in addition to the APT demod, it contains a two filter, slicer discriminator. Two bandpass filters, one over the low portion of the HF wefax tones and one with passband over the high portion of the HF wefax tones, are fed the input signal. The output of each is full wave rectified. One is fed into a summer directly, the other is fed through an inverter first and then to the summer. The output of the summer is fed to the same low pass filter talked about above. Think for a moment about what this does. If the tone is low, then the lower filter output should have a higher amplitude than the high filter output, so the signal will have an average value that is less than half scale. The higher the frequency, the more the high tone filter takes over. If all this is well designed, and the two filter outputs carefully equalized, and each has similar responses, you get a fantastic S shaped discriminator with linear response in the region you care about. Once again, the low pass version of this discriminator output is fed to the A/D and from there to the computer. Since you are writing your own software, this hardware might be particularly suited to your needs.

I am very familiarly with it since as I have just mentioned, I have emulated its functions in software for a DSP thingy. There have to be several others like this, it is just this one I am most familiar with.

Hope this was of some help to you.

Bob N4HY

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From -6914969277193770919
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38c4eaa8309c5b10
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,38c4eaa8309c5b10
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1991-01-03 19:02:50 PST
Path: gmdzi!unido!mcsun!uunet!olivea!samsung!zaphod.mps.ohio-state.edu!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: RE: EQ for Microsats, DSP, etc.
Message-ID: <844@idacrd.UUCP>
Date: 3 Jan 91 20:48:30 GMT
References: <1991Jan2.151921.3487@dgbt.doc.ca>
Organization: idacrd, princeton, nj
Lines: 56
Xref: gmdzi rec.ham-radio:18717 rec.ham-radio.packet:3333

From article <1991Jan2.151921.3487@dgbt.doc.ca>, by barry@dgbt.doc.ca (Barry McLarnon DGBT/DIP):
> From article <839@idacrd.UUCP>, by mac@idacrd.UUCP (Robert McGwier):
>>
>> If you are using omni's and have not compared results with a correctly

>> tuned PSK modem from TAPR and/or PacComm (the paccomm is a licensed
>> variant of the TAPR box), then I suggest you do so. The problem
>
>> Truth in advertising requires me to tell you that I get a royalty
>> as one of the designers of the PacComm PSK-1. I am not sure but
>
> Really? The PSK-1 is a licensed copy of the TAPR modem, which in turn
> was a direct copy of a Japanese design (with some tweaking by W3IWI & co.).
> Where do the royalties come in?
>
> Barry
>

That is not true.

It includes a modification of the TAPR PSK modem for which a license has been granted. The legal details have been worked out between TAPR and the Japanese ages ago. There was some quid pro quo of you take our design, tweak it as you will, and give us copies, artwork, etc. In return, you can market it as you see fit and license it to whomever you please. The intellectual property that myself, KA2MOV, and KB2CST have in it are a 68HC11 design, a redone analog front end, including an AGC, and a major code effort to do some DSP in the 68HC11. We do integrate and dumps in the 68HC11 of the analog signal. It is a 2 dB win over the hard limiting design of the TAPR original without the AGC. The AGC is a big win in its use for copying AO-13. Yes, AO13. One of the modes for the modem is to change loop constants, and to run a clock recovery for the manchester data coming from AO-13. This is sent out in a format compatible with P3C.EXE, which is available from AMSAT-VK and PROJECT OSCAR. The royalties come in because we put it in a form that was commercially useful, made major enchancements to it, and for less than the cost of a TAPR PSK kit plus G3RUH AO-13 demod you get both, assembled and sometimes tested by PacComm ;-(.

According to several who use it, it outperforms even the infamous AFDEM in copying AO13 and its weak signal performance on PSK is quite good. Both the TAPR royalies ($2 per) and mine are a joke, we did it to get it into the amateur radio community in a commercial package. If Gwyn sells 1000 (not there yet), we will have our investment paid off.

I don't know why I feel defensive about this, but I guess I didn't care for the `tone' of your question.

Bob

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--
-----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
-----------------------------------------------------------------------------
```

From -7093794781729535884
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 19:02:52 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Message-ID: <644@chiton.ucsd.edu>
Date: 3 Jan 91 22:09:17 GMT
References: <18323@shlump.nac.dec.com> <708@ssc.UUCP> <637@chiton.ucsd.edu> <25476@ucsd.Edu>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 44

In article <25476@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>In article <637@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
>>Not if the computer dweebs have their way Tad. As the spectrum fills up with
>>hackers avoiding phone charges for their bbs's there will be pressure to expand
>>deeper into the CW bands on RF and to push CW out entirely. After CW goes...
>>
>>Can you say sayonara ARS?
>>
>>   AA6PN
>
>Hey, Dick, that's a good idea! Who wants to file the first petition to
>open up the formerly-CW-only bands to ALL digital modes of transmission,
>not just one obsolete kind.
>   - Brian

I knew I'd get ya Brian B--)

Actually more crowded conditions should stimulate
both DSP and SS solutions to improving CW reception. It should be possible to
operate CW underneath SSB and digital modes using current DSP technology to
pull a very narrow carrier out of the QRM and synthesize an ear copyable audio
output. My DSP engineers tell me they can do this now with a few hundred
dollars worth of hardware and some programming. The first stage would be to
build a processor that crunches the audio output of your current rig. A
sort of glorified audio filter. If enough of these units sold, rig manufact-
turers would get interested in adding the DSP enhancer to the earlier IF stages
of newer rigs. This same process has brought about the inclusion of CW keyers
in the newest rigs. KENWOOD, ICOM, YAESU..they all have them so there must be
a demand.

This should make us both happy. More spectrum for the digital modes as the
demand explodes, while at the same time allowing CW OPs to work anywhere
in the spectrum regardless of QRM caused by crowded band conditions.

Maybe we can all learn to live together in peace and harmony....

Naaaaaah

Happy New Year! AA6PN

```
--
     richard currier         marine physical lab    u.c. san diego
     rec@mpl.ucsd.edu
     619-534-1730
```

```
From 6179358767013512122
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 19:02:55 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!sdd.hp.com!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Message-ID: <645@chiton.ucsd.edu>
Date: 3 Jan 91 22:11:53 GMT
References: <18323@shlump.nac.dec.com> <708@ssc.UUCP> <637@chiton.ucsd.edu>
<15334@crdgw1.crd.ge.com>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 22
```

In article <15334@crdgw1.crd.ge.com> perley@galaxy (Donald P Perley) writes:

```
>In article <637@chiton.ucsd.edu>, rec@chiton (Richard Currier) writes:
>
>>Not if the computer dweebs have their way Tad. As the spectrum fills up with
>>hackers avoiding phone charges for their bbs's there will be pressure to expand
>>deeper into the CW bands on RF and to push CW out entirely. After CW goes...
>
>So you are saying that's different than all the voice operators who are
>"avoiding phone charges" for long distance and conference calls?
```

touche....You got a point there...

AA6PN

```
--
     richard currier         marine physical lab    u.c. san diego
     rec@mpl.ucsd.edu
     619-534-1730
```

```
From 4138793590497357064
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8ae3dcbc90f47923
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 20:44:55 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!
ux1.cso.uiuc.edu!iboga!berger
From: berger@iboga (Mike Berger)
Newsgroups: rec.ham-radio
Subject: Re: HTs and Die Hard
Message-ID: <1991Jan3.222913.19968@ux1.cso.uiuc.edu>
Date: 3 Jan 91 22:29:13 GMT
References: <memo.644858@lynx.northeastern.edu>
Sender: news@ux1.cso.uiuc.edu (News)
Organization: University of Illinois at Urbana
Lines: 15

sehrlich@lynx.northeastern.edu writes:

>Does anyone know which model(s) HT(s) were used in the movies Die Hard 1 and
>2?  And, what can you tell me about their performance and price?

>Thanks much for any info. you can give me.
*---

They said very clearly that they were talking on "C.B.".  So they must have
been walkie-talkies.
--
     Mike Berger
     Department of Statistics, University of Illinois
     AT&TNET     217-244-6067
     Internet    berger@atropa.stat.uiuc.edu


From 6578259011012513348
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcbff86ae533bc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 20:45:26 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: New License
Message-ID: <960.27836A1C@w8grt.fidonet.org>
Date: 3 Jan 91 22:41:02 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 29


 > From: randall@informix.com (Randall Rhea)
 > Date: 3 Jan 91 02:44:56 GMT
 > Organization: Informix Software, Inc.
 > Message-ID: <1991Jan3.024456.10587@informix.com>
```

> Newsgroups: rec.ham-radio
>
> In article <8493@gollum.twg.com> sawyer@twg.com (Bruce B. Sawyer)
> writes:
> > The ruling is that applicants will
> >be required to pass elements 2 and 3a. Period. Those are the same 2 and
> 3a
> >elements as are around today (though, of course, the question pools are
> modified
> >ever so slightly from time to time). These elements are commonly called
> the
> >Novice written element and the Technician written element....
>
> If someone wants the no-code Tech license, then he will have to memorize
> the frequencies allocated to Novices and other CW-related questions
> in order to pass element 2. This seems pretty strange to me.

Not if you consider that just getting a 5 wpm CSCE authorizes Novice band HF
privileges.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 2848770832501439875
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 20:46:00 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: No-code Technicians
Message-ID: <646@chiton.ucsd.edu>
Date: 3 Jan 91 22:42:17 GMT
References: <844.2779F0BE@w8grt.fidonet.org> <639@chiton.ucsd.edu>
<1919@ke4zv.UUCP>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 34

In article <1919@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
>
>Well here it is folks. Mr. CW admits that CW won't hack it in the face of
>a little adjacent channel operation by another mode. I guess he never tries
>to work 40 meter CW at night either. All those megawatt SW broadcast signals
>must make CW operation disappear from the band. :-)
>
Actually, as a no-phone novice I used to work 40 M CW every night. It was most
painful but it was the best training for copying CW there is. After years of
duelling with the AM broadcasters I found I could copy almost anything through

the most horrendous QRM. There are "gettoes" of quiet spots between the AM stations that the same regulars find and occupy. I can still work old friends on 40 from back east where I was first licenced who, like me, still slip into the holes to see what's happening. And there are lots of new hot novice and tech CW punchers with fists that jump right out of the noise. The beat goes on.

>Hey Dick, even poor old dyslexic Morse confused me has worked 40 meter
>CW. If you can hack that, you can handle *any* interference from puny
>ham transmitters. Besides, you can catch up on the *straight* news from
>Radio Moscow between beeps. :-)
>

Believe it or not I still do this. If you work up tight under RM close to 7.148 you can switch back and forth from AM and CW mode and listen to the Russkies while waiting for some action to show up on the band. I can't believe I still do this stuff but its still fun after all these years.

Well it ain't pretty but it works...

AA6PN

--
richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From 4340712287657839315
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ff0af685292b0018,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 20:49:06 PST
Path: gmdzi!unido!mcsun!uunet!rayssd!tdw206!chase
From: chase@tdw206.ed.ray.com (Tom Chase)
Newsgroups: rec.ham-radio
Subject: Caribbean dxing
Keywords: Caribbean dx
Message-ID: <3@tdw515.ed.ray.com>
Date: 3 Jan 91 22:25:12 GMT
Sender: chase@tdw206.ed.ray.com (Tom Chase @ Raytheon Company, Sudbury MA)
Organization: Raytheon Company, Equipment Division, Sudbury MA
Lines: 14

I am interested in operating from the Caribbean this spring.

QST has a couple of ads for locations in VP5 and ZF2 which have stations set up for your use. Has anyone given these places a try?

I would appreciate any advice on operating locations with or without stations set up. Aruba is of special interest.

Hamming would be a part time activity, with relaxing on the beach and windsurfing given main priority.

thanks in advance, tom - k1um

From 6271062899978072441
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ee1ca2187ed7eaf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 21:01:05 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!ucsd!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: TTD emulation on a MAC
Message-ID: <9101040000.AA03952@ucsd.edu>
Date: 3 Jan 91 23:59:31 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17

I'm hoping I might be able to get some information here, because of the similarity of TDD and RTTY operation. For those that don't know, a TTD is a terminal and modem for a deaf person to communicate over the telephone. It uses 45.45 baud Baudot code, using a half-duplex Weitbrecht modem with space at 1800Hz, and mark at 1070 Hz. The tones are transmitted only when a character is being sent.

I'm trying to set up a friends Mac so she can use it at a TTD. She has a TTD, but because of its size and shape, it's difficult and painful for her to use. I'm hoping someone in this community may have some useful information about this.

BTW, cost is an issue. A "modem" that apparently does the translation to ASCII is available for $350.

Thanx, and 73,
doug

From -1132430508657003093
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,365eb08b6efb6ad6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 21:02:52 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!usc!julius.cs.uiuc.edu!psuvax1!psuvm!rvy2
From: RVY2@psuvm.psu.edu
Newsgroups: rec.ham-radio
Subject: Scanner Frequencies ...
Message-ID: <91003.180747RVY2@psuvm.psu.edu>
Date: 3 Jan 91 23:07:47 GMT
Organization: Penn State University
Lines: 12

My father (who is disabled) wanted a scanner. We got him one for Christmas, figuring that it would give him something to do. I know nothing about this type of thing ... it is a programmable scanner ... and I would really appreciate any information concerning good frequencies to listen to in the South Western PA area (Pittsburgh, Indiana, Kittaning, Punxsutawney, Butler, Dubois, Monroeville, Blairsville, etc.). I apologize if this is the wrong newsgroup ... and thank anyone in advance for any assistance. Please post to this group or EMAIL me directly.
Thanks Again!
Ron Yarnick
RVY2@PSUVM

From 1847168555583337120
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5fc35e3604be978e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,5fc35e3604be978e
X-Google-Attributes: gid114aac,public
X-Google-Thread: 105d97,5fc35e3604be978e
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-01-03 21:08:42 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!usc!wuarchive!csus.edu!ucdavis!csusac!sactoh0!jre
From: jre@sactoh0.SAC.CA.US (Jim Earl)
Newsgroups: rec.radio.shortwave,rec.ham-radio,sci.electronics
Subject: Re: Ground Plane for my CB antenna
Summary: Possible correction...
Message-ID: <4576@sactoh0.SAC.CA.US>
Date: 3 Jan 91 22:53:03 GMT
References: <B12yu1w163w@ozonebbs.UUCP> <1990Dec31.232808.18508@athena.cs.uga.edu> <1991Jan3.140815.20900@cbnewsl.att.com>
Organization: Sacramento Public Access, Ca. USA
Lines: 25
Xref: gmdzi rec.radio.shortwave:3309 rec.ham-radio:18726 sci.electronics:10530

In article <1991Jan3.140815.20900@cbnewsl.att.com>, feg@moss.ATT.COM (Forrest Gehrke,2C-119,7239,ATTBL) writes:
[some stuff deleted]

> BTW, the proper configuration is an upright quarter wave element and quarter wave length radials. Since in this case the radials are tuned, they must be exactly quarter wave length.
>
> Forrest Gehrke feg@dodger.att.com   k2bt

I believe that the statement about the radials being the same length as the vertical element is incorrect. The ground radials should be 10% *longer* than the vertical element. If you are building a 1/4-wave ground plane for 27 mHz, the length of the vertical element should be around 108". That makes the radials

come in around 119". I'm no expert, but that is what I seem to
remember reading about them.

I also seem to remember something about making sure the radials
are "drooping" at a 45-degree angle, because that makes the ground
plane closer to the desired 50-ohm impedance.
--
Jim Earl - KB6KCP / home: (916) 729-6825 work: (916) 929-0300 x233
INTERNET: jre@sactoh0.SAC.CA.US
UUCP: {ames | apple | att | sun}!pacbell!sactoh0!jre
  or: ucbvax!csusac!sactoh0!jre

From -7349000480982047693
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 21:10:09 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!tut.cis.ohio-state.edu!VAX1.CC.UAKRON.EDU!mcs.kent.edu!
usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Message-ID: <1991Jan4.002853.9051@NCoast.ORG>
Date: 4 Jan 91 00:28:53 GMT
References: <18323@shlump.nac.dec.com> <708@ssc.UUCP> <637@chiton.ucsd.edu>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 15

As quoted from <637@chiton.ucsd.edu> by rec@chiton.ucsd.edu (Richard Currier):
+---------------
| deeper into the CW bands on RF and to push CW out entirely. After CW goes...
| Can you say sayonara ARS?
+---------------

Yeah, the All-Highest, Most Worshipful Great Lord Thy God MORSE will strike us
all with lightning, can't you tell?

++Brandon
--
Me: Brandon S. Allbery   VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG   Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR   AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery   Delphi: ALLBERY

From -4322891677287186976
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4894f133cff41a6
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1991-01-03 21:17:31 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!
allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: RF and the outer limits...
Message-ID: <1991Jan4.010014.10418@NCoast.ORG>
Date: 4 Jan 91 01:00:14 GMT
References: <1990Dec31.180227.17457@bellcore.bellcore.com>
<1991Jan1.074440.13777@qualcomm.com> <1991Jan1.183915.10276@bellcore.bellcore.com>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 18

As quoted from <1991Jan1.183915.10276@bellcore.bellcore.com> by
karn@envy..bellcore.com (Phil R. Karn):
+---------------
| Seriously, I doubt that any civilization that really wanted us to detect its
| signals would be spreading them, precisely because that would expand the
+---------------

"Really wanted us to"? I've always taken it for granted that we wouldn't
discover someone broadcasting "WE ARE FRIENDLY - TAKE US TO YOUR LEADER" at
us. More likely we have to search for their *real* communications; they might
not want to waste energy to provide beacons for developing civilizations.
(Unless, of course, they're hams. ;-)

++Brandon
--
```
Me: Brandon S. Allbery              VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR              AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

From -7749669161036553l8
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17e278fa2b084223
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 21:17:46 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!wuarchive!cs.utexas.edu!
tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: off the deep end
Message-ID: <1991Jan4.011501.10535@NCoast.ORG>
Date: 4 Jan 91 01:15:01 GMT
References: <25454@ucsd.Edu>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 22

```
Posted: Thu Jan  3 19:15:01 1991

As quoted from <25454@ucsd.Edu> by brian@ucsd.Edu (Brian Kantor):
+---------------
| If this is a typical ham, I'm no longer proud to be one....
+---------------

(NK8H's drivel deleted)

You think *you're* annoyed?  All I have to do is "MON ON" to read this jerk!
Luckily, there's been no sign of the local VE's flocking to turn in their
credentials (NK8H himself excepted --- and as far as I'm concerned, if he
wants to go crawl in a hole and sulk, ham radio's the better for it).

This is the same idiot who sent out a packet message advertizing CB crystals
for an FT-101 a month ago --- to enable receive *and* transmit at full power.
I never did understand hypocrisy....

++Brandon
--
Me: Brandon S. Allbery               VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG              Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR               AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY


From -5693547958545386429
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea5c6ad8072235f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 21:20:37 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!hellgate.utah.edu!uplherc!esunix!
datwyler
From: datwyler@esunix.UUCP (Doug Datwyler)
Newsgroups: rec.ham-radio
Subject: Re: No-code: Cease Fire
Summary: Yes, it is time to stop the debate. Let's get technical. Maybe share
      the techniques of DSP, etc.
Message-ID: <2269@esunix.UUCP>
Date: 3 Jan 91 15:47:43 GMT
References: <27080045@col.hp.com>
Organization: Evans & Sutherland, Salt Lake City, Utah
Lines: 8


See summary.

--
Douglas L. Datwyler, WR7O
Evans and Sutherland
600 Komas Drive
Salt Lake City, UT 84108    (801)582-5847
```

From 3235933454022705296
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7426d49a6493719,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 22:00:21 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!magnus.ircc.ohio-state.edu!ephillip@magnus.ircc.ohio-state.edu
From: ephillip@magnus.ircc.ohio-state.edu (Earl W Phillips)
Newsgroups: rec.ham-radio
Subject: orbit23 sat. tracking program
Message-ID: <CMM.0.88.662959039.ephillip@magnus.ircc.ohio-state.edu>
Date: 4 Jan 91 03:17:19 GMT
Sender: news@magnus.ircc.ohio-state.edu
Organization: The Ohio State University
Lines: 24
Originator: daemon@left.magnus.ircc.ohio-state.edu
Nntp-Posting-Host: left.magnus.ircc.ohio-state.edu

I have obtained a copy of the satellite tracking program, orbit23. As there was no documentation, plus the fact that I'm unfamiliar with everything, could someone out there familiar with the output explain a few things to me?

1) What does "phase(360)" mean?
2) How does one get it to output to printer?
3) Do the lat,long correspond to the setting circles on a scope?
4) Is it possible to input parts of hours for start time; i.e. 1:30 UT, instead of 1 UT?
5) Will it accept input for days as a fraction; i.e. .25 for a quarter-day, etc?
6) Is it possible to use a compass and quadrant with the Az,El info? (since I'm more used to these instruments!).

Thanx for any assistance anybody can offer!

```
*****************************************************************
*                                    | ====@====      ///////// *
* ephillip@magnus.ircc.ohio-state.edu|     ``________//         *
*                                    |       `------'           *
*                -JR-                | Space;........the final  *
*                                    | frontier..............   *
*****************************************************************
```

From -1363599517282464635
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a4b3c0234c6fece
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 22:19:57 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!ncar!gatech!mcnc!unccvax!cs00jmc
From: cs00jmc@unccvax.uncc.edu (John Covington WN4BBJ)

Newsgroups: rec.ham-radio
Subject: Re: Modular Examinations (was New License)
Message-ID: <3029@unccvax.uncc.edu>
Date: 4 Jan 91 03:31:45 GMT
References: <9101031726.AA08460@tilde>
Reply-To: cs00jmc@unccvax.uncc.edu.UUCP (John Covington WN4BBJ)
Organization: University of North Carolina at Charlotte
Lines: 37

In article <9101031726.AA08460@tilde> dube@cpdvax.csc.ti.com writes:
>sense. The whole system was, IMHO, set up for people to progress from
>one class to the next higher class. Thus the exams were structured so
>that you didn't have to take the entire series every time you wanted to
>upgrade.
>
>I really can't see why anyone would object to having to know the simple
>basics of the hobby, anyway.
>
>Geez!   The exams, and the testing method, are so simple!   What's to
>whine about?
>

Actually I wasn't whining about anything. The fact that you DO receive credit for past exams is a GOOD thing. In my post on the subject I was just saying that if instead of going up one class at a time you qualify for a higher-class license in one sitting, you will be tested on band restrictions that will never apply to you. In other words, if an unlicensed person goes in and passes all of the tests to get an Advanced Class license, they will be tested on band restrictions for Novice, Technician and General.

It isn't necessarily a bad thing to know, but it is a side effect of the modular exams that you may be tested on rules that will not apply to you depending on what elements you pass.

I am NOT suggesting we change that. Better for them to know too much than too little! :-)

--
John Covington WN4BBJ   Internet: cs00jmc@unccvax.uncc.edu
P.O. Box 217122   MCI Mail: JCOVINGTON 342-6957
Charlotte, NC 28221-7122 Packet Radio Mail: WN4BBJ @ W4BFB.NC.USA.NA
(704) 537-7653   "Kenneth, what's the frequency?" "I dunno, ask Dan"

From 4044610341155322536
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17e278fa2b084223
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 22:32:45 PST

Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!milano!uudell!bigtex!texsun!
csccat!adept!alan
From: alan@adept.UUCP (Alan Ruffer)
Newsgroups: rec.ham-radio
Subject: Re: off the deep end
Message-ID: <349@adept.UUCP>
Date: 4 Jan 91 06:32:45 GMT
References: <25454@ucsd.Edu> <25463@ucsd.Edu>
<YETSKO.91Jan2113840@interlan.interlan.com>
Reply-To: alan@adept.UUCP (Alan Ruffer)
Organization: Perfect Partners Inc., Sulphur, LA
Lines: 29

In article <YETSKO.91Jan2113840@interlan.interlan.com>
yetsko@interlan.interlan.com writes:
>To be honest, I thought that you were one of the participants in the
>"protest" so to speak. However, in my posting, I may have replied toyou
>but never mentioned any calls or otherwise directed it specifically to
>you. If you took it that way, please consider this my appology.
>
>As to the other assinine individuals who are turning in their VECs,
>no appology is offered in ANY shape for form! Good Riddence!
>
>Mike Yetsko
>N1DVJ

I have been following this thread and have some thoughts. First, I'm
not taking a stance on code/nocode. I'm just wondering why these people
who seem to believe STRONGLY in what they are doing, and have taken a
position (sending in their VEC credentials as a protest) are assinine?
Not doing what you believe in is hypocritical, to do nothing is apathy,
and if you don't agree with Mike you're assinine? Hmmm, seems like a no-
win situation.
I applaud anyone who has the guts to do what they believe in, even if it
does not necessarily agree with my own viewpoint.

```
+-----------------------------------------------------------------------+
| Alan R. Ruffer      UUCP: {csccat,chinacat!holston}!adept!alan         |
| Route 1, Box 1745   Amateur Radio Station WB5FKH                      |
| Sulphur, LA 70663   BBS: (318) 527-6667, 19200(PEP)/9600(V.32)/2400/1200 |
|                                                                       |
| "A witty saying proves nothing." -- Voltaire                          |
+-----------------------------------------------------------------------+
```

From 3997962287554840416
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 22:58:49 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!asuvax!
anasaz!qip!rusty
From: rusty@qip.UUCP (Rusty Carruth)

Newsgroups: rec.ham-radio
Subject: Re: Rumors of ARRL appeal on No-Code
Message-ID: <5977@qip.UUCP>
Date: 3 Jan 91 23:13:09 GMT
References: <9012301924.AA29750@umail.UMD.EDU>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 29

In article <9012301924.AA29750@umail.UMD.EDU> ps67@UMAIL.UMD.EDU ("Paul W.
SCHLECK") writes:
>Much has been said, mostly rumor, in this newsgroup about the ARRL's
>possible reaction to the recent FCC decision in PR Docket 90-55,
>Codeless License. Posters have accused the ARRL of being a "spoiler"
>on this issue and out of touch with "real" hams.
>...

I sent email to the ARRL mci address (and cc'd everybody that someone
else had as well) on Tuesday, and got a reply today (Thursday).

I have emailed back asking if he (K1ZZ) minded if I post the email
he sent. He has not replied yet (obviously), but I pretty much expect
a positive reply (I also took the opportunity to suggest to him that
ARRL should get a usenet feed, and offering to help them do it).

In any case, I will summarize: the ARRL does not have any plans to
petition for reconsideration (yet). Such a decision will be made
during the meeting Jan 18-19. Write your directors to tell them
what you think.

So, there you have it, and only one hop away from the horses mouth :-)

--
+++ 73 de N7IKQ +++
Rusty Carruth   {ames!ncar!noao!asuvax,mcdphx}!anasaz!rusty
P.O. Box 27001, Tempe, AZ 85285   anasaz!rusty@asuvax.eas.asu.edu
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz
The Ham Callsign Project-part 3 (the 1990 version) - its HERE! Email for info

From 7723291081061099817
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29fd1d345ee6f7fe,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 22:58:51 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!asuvax!anasaz!qip!rusty
From: rusty@qip.UUCP (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: callsign stuff
Message-ID: <5978@qip.UUCP>
Date: 3 Jan 91 23:16:56 GMT
Organization: Anasazi, Inc. Phoenix, Az
Lines: 21

Callsign Project Update:

I got the tape from the NTIS the day I got back from vacation.

I've finished most of the 9-track tapes (easiest media for me to do this year, as opposed to carts which were easier last year!). We should have them in the mail tomorrow (Friday Jan 4).

Once I get the carts better organized I'll be doing them as quick as I can. Hopefully no later than middle of next week.

73, merry Christmas, and very happy new year!

(or is that newt ear? nude ear? new dear? Oh dear! :-)

--
+++ 73 de N7IKQ +++
Rusty Carruth {ames!ncar!noao!asuvax,mcdphx}!anasaz!rusty
P.O. Box 27001, Tempe, AZ 85285 anasaz!rusty@asuvax.eas.asu.edu
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz
The Ham Callsign Project-part 3 (the 1990 version) - its HERE! Email for info

From 7817420263434540151
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 22:59:28 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!zaphod.mps.ohio-state.edu!
unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: Comments needed on a YEASU FT-757 GX II
Summary: re: comments on FT757
Message-ID: <758@wells.UUCP>
Date: 4 Jan 91 04:06:48 GMT
References: <9101031728.AA15712@ucsd.edu>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 33

In article <9101031728.AA15712@ucsd.edu>, IANR003@UNLVM.BitNet (Michael Ruhrdanz) writes:
>
> I am seriously considering purchasing a YEASU FT-757 GX II HF
> radio. It has the following features that I find attractive (this is
> Does anyone have any operating experience concerning this radio? I am
It seems that you have neglected to consider possibly the most important feature of all: how well does it work (as compared with other rigs generally available.)
The recent Yaesu line seems sadly deficient in receiving quality and servicability -- I admit to having been at one time a Yaesu owner, and I have one comment: Never Again.

```
Recommend seeing some of the comments and comparative measurements by
N5AR, DL1BU, and QST Feb 88.  Would seem to me that the predominant
"Asian
lines rank Icom, Kenwood, Yaesu, with the Ten-Tecs as good as the Icoms.
This for general receiver performance.  On durability and serviceability
the T-T's are about 3 orders of magnitude ahead of the others.
The combination of PLL general coverage and acceptable ham-band performance
in one box is asking a little much --- and only one manufacturer
is willing publicly to address the problem:
Ten-Tec's ads put the Omni V and Paragon side by side, with generally
identical appearance and features and price, but with their comment
that if you must have general coverage, buy Paragon, but if you want
top ham performance, Omni.  My own service experience with T-T has
been no b-s assistance from the guy who answers the phone, overnight
receipt of needed components, and flea-market size bills.
On the other hand, don't write off Drake stuff.  None available new
any more, sadly, but it'
it's very very good stuff.
Collins likewise.
*** the power of <><ADVERTISING<><*****




From 3200520332636687968
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea5c6ad8072235f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 23:11:51 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!bcm!lib!
thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: DSP for the non-EE
Summary: (was Re: No-code: Cease Fire)
Message-ID: <4520@lib.tmc.edu>
Date: 4 Jan 91 05:14:48 GMT
References: <27080045@col.hp.com> <2269@esunix.UUCP>
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 29
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <2269@esunix.UUCP> datwyler@esunix.UUCP (Doug Datwyler) writes:
>See summary.
...which said,
>Summary: Yes, it is time to stop the debate. Let's get technical. Maybe share
>    the techniques of DSP, etc.

OK...someone want to explain how those of us who aren't EE technonerds with
serious, high-level education in the higher realms of mathematics and the
theory of signals can do useful things digitally?
```

The impression I got from talking briefly with N4HY is that seriously heavy theory is involved in even thinking about playing with DSP. The comparison I've drawn after considering the question is that the equivalent level of knowledge for a digital logic hacker is knowing how to mask and dope silicon wafers that are eventually built into gates. Is it possible to have the gates premade, so I only have to worry about wiring them together?

This gets even worse for a non-computer weenie...I, at least, am comfortable with the idea of writing assembly language code. Joe Ham who's not a systems programmer has an additional layer to penetrate.

One of these days, there will be a DSP device in my packet station. (The thing will be doing useful work when I'm not playing with it.) The question is, will I be able to hack on it without earning 30 credit hours?

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
  "...flames are a specific art form of Usenet..." -- Gregory G. Woodbury

From 2575261023101435861
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 23:32:31 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!psuvax1!rutgers!ucsd!sdcc6!sdcc10!mce
From: mce@sdcc10.ucsd.edu (Mark Edwards)
Newsgroups: rec.ham-radio
Subject: Re: Class D AM Phone (was Re: morse code)
Message-ID: <15196@sdcc6.ucsd.edu>
Date: 4 Jan 91 06:08:09 GMT
References: <751.2768BAC4@w8grt.fidonet.org> <7880389@hpfcdc.HP.COM>
Sender: news@sdcc6.ucsd.edu
Organization: University of California, San Diego
Lines: 27
Nntp-Posting-Host: sdcc10.ucsd.edu

In article <7880389@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
#Re: Urban Legend - CBer uses CW when mic is fubar
#
#>What are the odds of a microphone element failing while the push-to-talk
#>button stays in working order?
#
#By using a piece(s) of wire, you wouldn't even need the PTT.
#
#Perry "chewing gum and baling wire"
#KF0CA

I did use CW once on 2 meters for just this reason. I was chatting with an old friend when the mike audio lead broke inside the plug attached to the transceiver. I apologized for the abrupt cessation of the conversation using just the PTT to key carrier to my CW literate friend.

I am grateful for the no-code license option. My wife (who is quite

capable of passing the written exam) will finally be able to share the use
of my rather substantial investment in Amateur Radio. Even though I have an
Advanced Class license (WA6SMN), I couldn't care less about operating on HF
or using CW. High speed digital networking is what really piques my interest
in the hobby. Yakking on a voice repeater is usually boring....the less
educated members of the community seem to feel the need to jam any sort
of technical discussion. Maybe getting a few more EE's on the air will help.
--
Mark C. Edwards   voice: 619/586-2204
Associate Systems Analyst   unix: mce@pbsdts.pacbell.com
Matt 3:16-17,Acts 7:55-56,*John 8:17-18,*John 14:28,*Mark 13:32,
*John 20:17,*Matt 12:31-32,*John 17:20-23 (* Red letters)

From -363949736570766316
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4915035fd5f8c3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 23:44:28 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Doing Crossword Puzzles in Ink
Message-ID: <1250320@hpnmdla.HP.COM>
Date: 3 Jan 91 19:31:38 GMT
References: <897.277FB484@w8grt.fidonet.org>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 15
Posted: Thu Jan 3 13:31:38 1991

In rec.ham-radio, tad@ssc.UUCP (Tad Cook) writes:

>...
>She got a copy of TUNE IN THE WORLD and learned the code well enough to
>pass the Novice IN ABOUT AN HOUR! She took the exam, and became KA7QOS.
>She NEVER got on the air though....."What would I talk about??"

When I was in college a ham buddy of mine and his girlfriend came around
one day. I asked them what they had been up to lately, and my friend
said his girlfriend had learned the code "this morning". When I expressed
disbelief, he tested her on the spot. She was still a little weak on
a couple of the letters, as I recall, but she basically had all the
letters and numbers.

AL N1AL

From -703918832749778060
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea5c6ad8072235f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 00:08:06 PST

Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!wuarchive!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: DSP for the non-EE
Message-ID: <1991Jan4.061408.27027@athena.cs.uga.edu>
Date: 4 Jan 91 06:14:08 GMT
References: <27080045@col.hp.com> <2269@esunix.UUCP> <4520@lib.tmc.edu>
Organization: University of Georgia, Athens
Lines: 7

Aren't there some building-block-type DSP chips that do fairly
elementary things and can be treated as black boxes?

If not, there ought to be. There's a ready market...

One-tube CW transmitters would seem awfully complex, too, if you
had to derive them from basic physics!

From -5490237670313806798
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3dd5b3f0d1faf6f7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 00:21:33 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!unmvax!bbx!yenta!dt
From: dt@yenta.alb.nm.us (David B. Thomas)
Newsgroups: rec.ham-radio
Subject: Re: ARRL RECONSIDERATION?
Message-ID: <1991Jan4.041908.8308@yenta.alb.nm.us>
Date: 4 Jan 91 04:19:08 GMT
References: <958.27835538@w8grt.fidonet.org>
Organization: yenta unix pc, rio rancho, nm
Lines: 40

David.Moisan@p0.f192.n101.z1.fidonet.org (David Moisan) writes:

[excellent rebuttals to an ARRL coordinator's beefs with no-code.
  Here are the ARRL coord's beefs again, with my own rebuttals   ]

>1. The Code/No-code battle. It was mentioned that this debate has split ham
>radio, and that if the no-code goes into effect, it'll damage the hobby
>(because of the split).

Yeah, like we shouldn't let blacks in our schools, because it'll just cause
racism. :-|

>2. If more new amateurs go to 6 meters (seemingly underutilized), they'll
>cause (more) TVI to channel 2.

All amateurs except novices are allowed on 6 meters, so the only way this
argument holds up is if we generalize: avoid having any new amateurs
because they might use 6m and mess up channel 2.

That's great. The ARRL is trying to keep people OUT of the hobby.

>3. The Novice privileges on 220 were intended to get more spectrum in use up
>there, which as most of you know is endangered by commercial interests. By
>giving 2 meters to new no-code techs, the 2 meter band may well become
>overloaded.

The 2m spectrum is poorly managed, not overloaded. Ask the commercial
services that would love to get their hands on it!

Oh well, I'm not saying anything that hasn't been said before ... I am
24 now. When I was 20 I went to a local ham club meeting. The next
youngest person was 35, then 50+ all the way. Is amateur radio the
exclusive old-timer's hobby, or are we young hobbyists welcome? I
get the idea that in fact we are not welcome. I've got a license but
I've been bootlegging because it's a better way to talk to people who
are genuinely interested in radios! Don't quote me on that!

little david

--
This sentence is a !!! premature punctuator

From 5356588795694573102
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3afb27a562008e4c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 05:18:10 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: ARRL APPEAL
Message-ID: <9101041306.AA06882@cmr.ncsl.nist.gov>
Date: 4 Jan 91 13:06:36 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 18

David Moisan (no call given) recently said:
>I recently read something on USENET (Via the HAM-TECH echo) by a guy who
>addressed apparent rumors that the ARRL will appeal the no-code tech license.
>The poster talked to someone from the ARRL, the Mid-Atlantic coordinator, if I
>read the posting correctly. This coordinator mentioned three possibile
>difficulties with the no-code Tech:

>1. The Code/No-code battle. It was mentioned that this debate has split ham
>radio, and that if the no-code goes into effect, it'll damage the hobby
>(because of the split).
(rest of message deleted)

PLEASE re-read Paul Schleck's message, this part of which which you have almost completely reversed. Our ARRL Director's view is that the debate HAS been devisive, but the no-code license now exists and the DIVISIVENESS MUST NOT CONTINUE, OR IT will DAMAGE HAM RADIO. See, he's on your side.

73, Bob   W3OTC

From -8956277620395327544
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea5c6ad8072235f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 05:35:33 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!dgc.ceo!Pete_Simpson
From: Pete_Simpson@dgc.ceo
Newsgroups: rec.ham-radio
Subject: DSP for the non-EE
Message-ID: <9101041315.AA00038@rtp40.dg.com>
Date: 4 Jan 91 13:15:32 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 21

Jay Maynard and others have brought up an excellent point: there is very little knowledge in the ham community of DSP and the theory behind it. However, in the innaugural issue of Communications Quarterly, there's a very good introductory article. I'd suggest Jay read that for a start, then post his questions about it to the net. We could all benefit from the responses.

.

I don't think there's any way to understand the finer points of DSP without *some* math being involved, but the basic principle is pretty simple. You take "strobe photos" (called "samples") of the input signal at regular intervals (called the "sampling rate") and convert the voltage you measure to a binary number (using an A-D converter). Then you do math :-) It doesn't have to be complicated math, although it can be. What you do could be as simple as displaying an X-Y plot of the voltage values against the sample number. Sort of like an oscilloscope. You could even send the samples to a D-A converter and regenerate the original signal if you wanted.

Texas Instruments has been running some ads lately offering a set of 3 DSP applications handbooks wich might be of interest. A call to your friendly local TI sales office might be in order...

From -7693245257569746450
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f571e585d47ffa62,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 07:04:38 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!UNCG.BITNET!MOSIER
From: MOSIER@UNCG.BITNET (Steve Mosier)
Newsgroups: rec.ham-radio

Subject: Turtles
Message-ID: <DCD20C3A431F20141F@uncg.bitnet>
Date: 4 Jan 91 14:21:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 45

This isn't about code, or no-code, or appeals, or such.

Grey writes:

> I'm infuriated; If the ARRL does appeal, then I'll NEVER join, for then the
> organization will not serve MY interests (which are as valid as any old
>
> .... and so on.

This reminds me of the turtle who left the bar to go home and get his umbrella. After several days, as his companion was finally ready to give up and go ahead and drink his friend's beer, the turtle replies from the doorway, "If you drink my beer, I won't go get the umbrella."

Well, Grey, if you were going to join ARRL, you WOULD have, it seems to me. If the League doesn't p*** you off on this one, they surely will sooner or later on another issue, so better wait until then so you can say, "I'm infuriated; If the ARRL does/doesn't _______(fill in blanks)_____, then I'll NEVER join, for _____(fill in blanks)______." ANY ORGANIZATION wil eventually, royally, p*** you off!

Getting "infuriated" over FCC actions, League actions, election outcomes, or any one of a thousand other possible daily setbacks, can significantly shorten your life. That leaves less time for hamming, cabinetwork, bicycling, photography, or whatever else gives you pleasure (all of those apply to me). I'll continue to have fun after no-code, I'll continue to have fun reading QST and building the homebrew articles there, and I'll continue to use the QSL bureau because it saves me a lot of headaches. Cancelling my membership, refusing to join the next organization, or turning in my VEC certificate (which I don't have but one other recent protester claims he is doing) doesn't really hurt anyone but me. Really! I think we all need to stand up and express our opinions (by letter to those who make decisions) but this anger business is really destructive. And not for those whom we want to hate. It doesn't hurt them at all. It hurts us. I've been on the receiving end of protest resignations, cancellation of donations, etc. Have I lost sleep over those? I don't think so. Now if a full 15 percent of the amateur community cancelled/resigned/got off the air/etc. etc., then that would cetainly send a message. But its not going to happen. How many of us are really going to cut off our noses to spite our faces?

So RELAX a little, everybody. And I'll ragchew with you in another 5 years instead of reading about your BIG ONE in the obits.

73 & Happy New Year.

de W3GRG - steve

From 2648775352862323889
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17e278fa2b084223
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 07:12:44 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!psuvax1!eds1!wa3wbu!compnect!ka3uzr!daveh
From: daveh@ka3uzr.UUCP (Dave Hultberg)
Newsgroups: rec.ham-radio
Subject: Re: off the deep end
Message-ID: <aoH9u2w163w@ka3uzr.UUCP>
Date: 4 Jan 91 05:12:57 GMT
References: <25454@ucsd.Edu>
Organization: Hams Do It With High Frequency
Lines: 87

brian@ucsd.Edu (Brian Kantor) writes:

> If this is a typical ham, I'm no longer proud to be one....
>
> Date: 21 Dec 90 04:16
> Message-ID: <25240@WA8BXN>
> From: NK8H@WA8BXN
> To: ALL@ALLUS
> Subject: a sad day
> Path: KB6GFT!N6KZB!KB6GVT!KB6JES!KB6RAA!KB6RAA!N8GTC!KC8TW ...
>
> here we go again. "remove the code
> requirement for those who find it unsuited to
> their needs and tastes" another classic!! as a public school teacher for the
> past 19 years, i have seen the results of
> "lowering the standards" to make things
> easier forthe minorities. in my profession, i
> never had had much choice. follow the
> dictates of the school board or find another
> job. well, when it comes to signing my
> name to a "no-code" amateur license, i do
> have a choice. as of today, i am returning my arrl/vec
> certificate to protest the decision of
> the fcc. this won't amount to much but it
> will make me feel a lot better about
> what the bureau has done. the action i am taking will amount to
> very little, if anything, but it will make
> me feel better about a sad and
> sickening decision by the fcc. at
> least i will know that i'm not the one
> to perpetuate this "give in" process
> one step further. i like amatuer radio;
> i am proud to be part of it; i get a
> lot a lot of enjoyment from it; i hate
> to think that every pervert going down
> the highway

> may get the chance to take these things
> away from me
> me...cul..de don, nk8h @ wa8bxn..the voice of wickliffe, ohio...73
>
> Date: 23 Dec 90 08:31
> Message-ID: <25569@WA8BXN>
> From: NK8H@WA8BXN
> To: ALL@ALLUS
> Subject: ve's! take a stand
> Path: KB6GFT!N6KZB!KB6GVT!KB6JES!KB6RAA!KB6RAA!N8GTC!KC8TW ...
>
> ok fellow ve's, it is time to stand up
> and be counted. how do you stand on the
> no-code issue? if you are against it,
> then let's do something about. i have done
> something. i recently returned my
> ve credentials to the arrl.i strongly urge others that feel as i
> do to do the same. if enough of us will do
> it, we can send the fcc a message.
> "either back up on this no-code or get the
> amateur testing back in your lap". at the
> same time we might find out how some
> other people feel about testing delays and license fees.
>   i would like to hear your opinions. but please, no
> nuts. if you have a legitimate argument, fine, i would like to hear it. forg
> the name-calling and character attacks...cul..de don, nk8h @ wa8bxn..the voic
> To: ALL@ALLUS
> Subject: keep those cards coming
> Path: KB6GFT!N6KZB!KB6GVT!KB6JES!KB6RAA!KB6RAA!N8GTC!WB8JIB ...
>
> i am compiling a list of calls/ages to determine where the name-calling is
> coming from. so far, the (gimme-take)
> generation is leading the pack. it won'tchange my convictions but it will be
> very interesting. no-code! no way!
> "easy come, easy go" what you put into
> something is proportinate to what you
> get out of it. ..cul..de don, nk8h @ wa8bxn..the voice of wickliffe, ohio...7

If the above posting doesn't take the cake for blind stupidity, I don't know what does. What a mature attitude! I didn't get my way some I'm going to take my ball and go home. Shesh, reminds me of some of the arguments my 8 year old has with his 10 year old sister. If this is your attitude maybe you weren't cut out to be a VE in the first place. I plan to welcome all new hams, no matter what class, to the hobby. I'm glad the VEs who tested me didn't have your attitude. They are VEs to bring more people into the hobby, not preserve unnecessary hazing rituals.

```
    73 de Dave KA3UZR/WPE3HMT/ex-KHV8564    Fidonet: 1:270/101.28
    Packet: KA3UZR @ WB3EAH.PA.USA.NA             CI$: 72437,3215
    UUCP: uunet!rutgers!psuvax1!eds1!wa3wbu!compnect!ka3uzr!daveh
```

From 6806007752237208020
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,900aae89c1cb949a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 07:12:48 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!
psuvax1!eds1!wa3wbu!compnect!ka3uzr!daveh
From: daveh@ka3uzr.UUCP (Dave Hultberg)
Newsgroups: rec.ham-radio
Subject: NK8H's Mature(?) Packet Message
Message-ID: <cXH9u3w163w@ka3uzr.UUCP>
Date: 4 Jan 91 05:18:23 GMT
Organization: Hams Do It With High Frequency
Lines: 8

My previous response on NK8H's decision to turn in his VE accredidation
was directed to NK8H, not to person who forwarded to the newsgroup.
This type of response to the new code free Tech license could kill ham
radio.

    73 de Dave KA3UZR/WPE3HMT/ex-KHV8564   Fidonet: 1:270/101.28
    Packet: KA3UZR @ WB3EAH.PA.USA.NA   CI$: 72437,3215
    UUCP: uunet!rutgers!psuvax1!eds1!wa3wbu!compnect!ka3uzr!daveh

---

From 1736653095950432826
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 07:13:16 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Summary: digital modes
Message-ID: <731@ssc.UUCP>
Date: 3 Jan 91 20:04:21 GMT
References: <18323@shlump.nac.dec.com> <708@ssc.UUCP> <637@chiton.ucsd.edu>
<25476@ucsd.Edu>
Organization: very little
Lines: 27

In article <25476@ucsd.Edu>, brian@ucsd.Edu (Brian Kantor) writes:
> In article <637@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
> >Not if the computer dweebs have their way Tad. As the spectrum fills up with
> >hackers avoiding phone charges for their bbs's there will be pressure to expand
> >deeper into the CW bands on RF and to push CW out entirely. After CW goes...
>
> Hey, Dick, that's a good idea! Who wants to file the first petition to
> open up the formerly-CW-only bands to ALL digital modes of transmission,
> not just one obsolete kind.
>   - Brian

What digital modes that are in the higher part of the band are
prohibited on HF in the CW subbands? None, I think.

Anyone else noticed the steady march of unattended HF packet robots
marching down into the "RTTY" subbands?

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 3899706021426476842
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4915035fd5f8c3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 07:14:10 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Doing Crossword Puzzles in Ink
Summary: relevance
Message-ID: <727@ssc.UUCP>
Date: 3 Jan 91 18:00:59 GMT
References: <897.277FB484@w8grt.fidonet.org>
Organization: very little
Lines: 23

In article <897.277FB484@w8grt.fidonet.org>, jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>
> > From: tad@ssc.UUCP (Tad Cook)
> >
> > Wonder why I was skeptical before the no-code license when folks were
> > saying they CAN'T learn the code? :)
>
> Difficulty was never the issue. Relevance was the issue.

How was relevance an issue for those who claimed that they
CAN'T learn the code?

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA

```
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP


From -599096462091592933
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cdf98ae0a79cbeb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 07:14:16 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Rumors of ARRL appeal on No-Code
Summary: "W1AW Bulletins"
Message-ID: <728@ssc.UUCP>
Date: 3 Jan 91 18:04:24 GMT
References: <899.277FB48E@w8grt.fidonet.org>
Organization: very little
Lines: 27

In article <899.277FB48E@w8grt.fidonet.org>, jim.grubs@w8grt.fidonet.org (Jim
Grubs) writes:
>
>  > From: pbhx@ellis.uchicago.edu (Peter B. Hayward)
>  > Date: 31 Dec 90 22:16:28 GMT
>  > Organization: The University of Chicago
>  > Message-ID: <1990Dec31.221628.28219@midway.uchicago.edu>
>  > Newsgroups: rec.ham-radio
>  >
>  > Tad...The following was posted in rec.ham-radio on Dec 21. It
>  > references a ARRL Press Release.  Price's comments along the line that
>  > Jim references follow in the last two paragraphs.
>
> Thank you, thank you, thank you!

But Jim specifically referenced bulletins transmitted by W1AW, which
I receive regularly at my station.  ARRL Press Releases, which were
NOT in his reference, don't seem to come in here!   :)


Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP
```

From -6577623633503672826
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c35c,d63e2dc8c849999c
X-Google-Attributes: gid10c35c,public
X-Google-Thread: 10c9e3,a37bd3ac8f34d75c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 102cb0,d53278c24d55ef80
X-Google-Attributes: gid102cb0,public
X-Google-Thread: 10391f,d53278c24d55ef80
X-Google-Attributes: gid10391f,public
X-Google-ArrivalTime: 1991-01-04 07:14:24 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: weather satellite questions
Message-ID: <729@ssc.UUCP>
Date: 3 Jan 91 19:06:24 GMT
References: <OWHITE.91Jan2115333@haywire.nmsu.edu>
Distribution: rec.ham-radio
Organization: SSC, Inc., Seattle, WA
Lines: 16

In article <OWHITE.91Jan2115333@haywire.nmsu.edu>, owhite@nmsu.edu (smouldering dog) writes:
> I am building a digital imagery station for APT weather data and I
> would like to know what I should use for the 2400 Hz AM demodulator.
> the ARRL handbook doesn't appear to have much information on this
> stage of data receiving.

Which ARRL handbook?

The new edition of the Weather Satellite Handbook by Taggart, published
by the ARRL has a bandpass/full wave detector. Figure 5.3 pg 5-5.

Another possiblity is a chip that SGS makes for Linear Variable
Differential Transformers that has a synchronous detector.
(The part number escapes me)

Markz@ssc.uucp

From -6567575103361213411
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3dd5b3f0d1faf6f7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 08:45:09 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!rpi!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: ARRL RECONSIDERATION?

Message-ID: <420@ultrix.uhasun.hartford.edu>
Date: 4 Jan 91 14:40:25 GMT
References: <958.27835538@w8grt.fidonet.org>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 30

In article <958.27835538@w8grt.fidonet.org>,
David.Moisan@p0.f192.n101.z1.fidonet.org (David Moisan) writes:
>
> I recently read something on USENET (Via the HAM-TECH echo) by a guy who
> addressed apparent rumors that the ARRL will appeal the no-code tech license.
> The poster talked to someone from the ARRL, the Mid-Atlantic coordinator, if I
> read the posting correctly. This coordinator mentioned three possibile

Actually, it was the Atlantic Division director. There is no such person
as a "Mid-Atlantic coordinator" in ARRL officialdom.

[deleted comments]

> I'm infuriated; If the ARRL does appeal, then I'll NEVER join, for then the
> organization will not serve MY interests (which are as valid as any old
> farts'). If they appeal, you'll hear Wayne Green talking about this one from
> now until Hell, for sure!

I realize that most of the net readers are aware of it, but it bears
repeating: Until the ARRL Board of Directors meets later this month
there *is* no ARRL policy. Only the Directors can set policy, and
they have not as yet done so. Comments from any individual Director
are, of course, very relevant since he/she casts one of the 15 votes.

The best way of influencing ARRL policy is, as always, to contact
your division Director. I urge you to do so.

--
```
Jon Bloom, KE3Z                              | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu         |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

From -1583131367312358547
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a75cab6f4f6a3fb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 08:48:21 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!asuvax!hrc!godzilla!dalyb
From: dalyb@godzilla.UUCP (Brian Daly)
Newsgroups: rec.ham-radio
Subject: Re: Biographical References on Yagi of Antenna Fame ??
Summary: Yagi? ... What about Uda?
Keywords: Yagi Antenna Designer
Message-ID: <4f01590e.1423f@godzilla.UUCP>
Date: 4 Jan 91 15:08:15 GMT

References: <35211@netnews.upenn.edu>
Organization: gte
Lines: 36

In article <35211@netnews.upenn.edu>, broscius@grad1.cis.upenn.edu (Al Broscius) writes:
> There appears to be a dearth of biographical information on the
> inventor of the widely used Yagi antenna. Does anyone have
> any publication references which describe the life of Dr. Yagi ??
>

Here's a good trivia question for you....

Who is the inventor of the Yagi antenna?

Based on your question, you probably would say Professor Yagi. Well,
you are incorrect!

The design of what came to be known as the Yagi antenna first appeared in
March, 1926 (and later November 1927) in the Journal of the I.E.E. of Japan.
This article was titled "Wireless Beam of Short Electric Waves", and was written
by S. Uda of the Tohoku Imperial University in Japan. The problem was the
journal (and article) was written in Japaneese, so it was not widely read
or circulated. In 1928, a colleague of Mr. Uda -- Mr. H. Yagi -- made presentations
of the design at IRE meetings in New York, Washington, and Hartford. Mr. Yagi
also published a paper in the June, 1928 Proceedings of the IRE. Since this
paper was in English, it was more widely read -- thus, the antenna became known
as the Yagi. It should be pointed out that Yagi did acknowledge the work of Mr. Uda.

Many books refer to the design more properly as the Yagi-Uda, to give credit
to the actual inventor.

(This information is from Constantine Balanis' Antenna Theory:Analysis and
Design).
--
Brian K. Daly WB7OML @ AG Communication Systems, Phoenix, Arizona
UUCP: {...!ames!ncar!noao!asuvax | uunet!zardoz!hrc | att}!gtephx!dalyb
Phone: (602) 582-7644   FAX: (602) 582-7111
~

From 8372008053415681636
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 09:03:41 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!sdd.hp.com!hplabs!hpda!hpcuhb!hpscdc!rkarlqu
From: rkarlqu@hpscdc.scd.hp.com (Richard Karlquist)
Newsgroups: rec.ham-radio

Subject: Re: Comments needed on a YEASU FT-757 GX II
Message-ID: <5490111@hpscdc.scd.hp.com>
Date: 4 Jan 91 17:03:41 GMT
References: <9101031728.AA15712@ucsd.edu>
Organization: Hewlett-Packard, Santa Clara Div.
Lines: 53

Michael Ruhrdanz writes:

> I am seriously considering purchasing a YEASU FT-757 GX II HF radio. It has the following features that I find attractive (this is not an all-inclusive list) - General Coverage receive (150KC to 30MC), CONTINUOUS DUTY 100 WATT TRANSMITTER, AM & FM included as standard, RF Preamplifer, CW notch filters, all-mode squelch, a computer interface, and external connections for RTTY, PACKET, and so on.
>
> Michael Ruhrdanz N0FER

Let's look at some of the features you mentioned:

FM included as standard: there is about a 1/2 second delay between a signal coming on, and the squelch opening up. You're always missing the beginning of the other guys transmission. If you ask a question with a yes or no answer, you typically hear nothing (he's said "yes" or "no" before the squelch opens). So FM operation is poor.

RF Preamplifier: the IF gain is so low, you need the preamp just to get anything resembling decent sensitivity above 15 MHz. I modified my 757 by adding 20 dB. of IF gain. After that mod, the RF preamp really could be considered to work as an RF preamp should.

Computer interface: practically every HF rig has that now. Also, it is known to be very RFI and ESD sensitive.

CW notch filter: yes, but the basic CW "500 Hz" filter is a joke with about 3:1 shape factor. I had to add a Fox-Tango filter to my 757 to get decent performance.

External connections for RTTY: so it has an AFSK input (big deal, saves you from having to use the mike input). The trouble is the rig doesn't switch fast enough for AMTOR, which is about all you hear these days. You can modify it, but you can only get the switching speed up to where it is within 5 or 10 msec. of meeting the spec, so even then, operation is marginal (can't work anyone less than 1000 miles away).

Continuous duty 100 watt transmitter: well really, you can transmit for 5 or 10 minutes at a time key down and then listen for a while, but the physics are such that there just isn't enough heat sink area to support 100 watts continuously, even with the fan running. Its not much of a fan.

Bottom line on the 757: It is one of the cheapest rigs on the market. It is also one of the poorest rigs on the market. You get what you pay for and no more. If that's all you can afford, it'll get you on the air. If you can afford a TS-440, etc., you will be glad you spent the extra money.

Rick N6RK

From 8968724534232595616
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88a0e58d08c1b1f9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 09:16:49 PST
Path: gmdzi!unido!mcsun!uunet!sbi!zeus!pivot-nj!canada!jerrys
From: jerrys@canada.sbi.com (Jerry Simonowits)
Newsgroups: rec.ham-radio
Subject: new technician license
Message-ID: <124@canada.sbi.com>
Date: 4 Jan 91 13:07:04 GMT
Organization: Salomon Brothers - NJ
Lines: 32

Ok folks, I just got off the air after a rather heated 1/2 hour discussion on 2 meters with the gentleman who runs the busiest VE sessions in North Jersey.

His position is that anyone taking the element 2 and 3a tests (Novice and Technician theory) now with the intention of getting a new Technician class license after 2/15 is wasting his/her time. Here's why. He says that there is no process in place to have people show up at a VE test session with the two CSCE forms and to generate a form 610 for a license. The current process requires one to pass some element at the exam session for a 610 to be generated.

I argued that this was not fair. That someone who has the requirements is entitled to the license and this needs to be fixed.

If there are any other VE's out there, peopel from a VEC, or especially the FCC that could help clear this up a reply would be most appreciated. I am sure everyone has their own opinion but it is most important that this be addressed by those in a position to actually process this information.

Does anyone have a phone number or email address I could use to get an answer directly from the FCC on this matter ????

Jerry Simonowits
Salomon Technology Services, Inc.
Internetworking & Support Group
Phone: 201-896-7330

Email: jerrys@canada.sbi.com
(KB2GCG)

From -7164789596155857134
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15f24baaed0fb4cc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 10:18:37 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!SACEMNET.AF.MIL!lwrclmr
From: lwrclmr@SACEMNET.AF.MIL ("LWRCLMR")
Newsgroups: rec.ham-radio
Subject: AutoPatch Phone Bills
Message-ID: <9101041736.AA04775@ucsd.edu>
Date: 4 Jan 91 17:31:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 26

I seem to recall discussion here before regarding phone rates for ham autopatches/repeater control. We recently had a problem where our phone line of the past six years was disconnected due to a mix-up when we changed mailing addresses. Now the phone company insists we have a business line for our repeater instead of the residential line we had for the past six years. When we griped, they said we were lucky they didn't charge us back fees for having the wrong service. To keep the fees down to the cheapest line available, we had to get measured service where we pay 8.2 cents per call and 17.50 line charge per month. We also have to pay $4.00 to NOT have a Yellow Pages listing! We also have a rotary line to save $4 per month.
Our service is through Michigan Bell, and Ameritech Company, so it's not one of those fly-by-night outfits.

Does any one have any sugestions or experiences in beating this? We would appreciate any help any one may be able to offer.

Please E-mail if possible, as I have a hard time finding time to read all the newsgroups.

Thank you and 73,
Michael WA7SKG

LWRCLMR@SACEMNET.AF.MIL
scxc3@tincan-sawyer.af.mil
sharkey!lopez!mabarnes
906-346-2811

From 4033216633034841682
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d7ed9aae31123e10,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 10:21:02 PST

Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Modular Exams
Message-ID: <9101041716.AA16198@tilde>
Date: 4 Jan 91 17:16:04 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 40

In <cs00jmc@unccvax.uncc.edu (John Covington WN4BBJ)> John replies:

Subject: Re: Modular Examinations (was New License)

>>Geez!   The exams, and the testing method, are so simple!   What's to
>>whine about?

>Actually I wasn't whining about anything. The fact that you DO
>receive credit for past exams is a GOOD thing. In my post on
>the subject I was just saying that if instead of going up one
>class at a time you qualify for a higher-class license in one
>sitting, you will be tested on band restrictions that will never
>apply to you. In other words, if an unlicensed person goes in
>and passes all of the tests to get an Advanced Class license,
>they will be tested on band restrictions for Novice, Technician and
>General.

Then I apologize. Please excuse me for thinking that, now that CW seems to have been pretty much eliminated, the next attack would be on the writtens.

>It isn't necessarily a bad thing to know, but it is a side effect
>of the modular exams that you may be tested on rules that will not
>apply to you depending on what elements you pass.

"Isn't necessarily...!?" I would think that, if anything, the more advanced classes of licenses holders would want to *be sure* to know all the rules and operating practices up to, and including, their own class of ticket. How else would you be able to help newer Hams in the less-advanced classes? Your statement sounds a little self-indulgent to me.

>I am NOT suggesting we change that. Better for them to know too much
>than too little! :-)

Indeed, one can never know too much! (no smiley)

73,
Dube   N5PDK

"Why waste time learning, when ignorance is instantaneous?" -Hobbes

From -2824842095412830984
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,87ec573ebba14829
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 11:26:54 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!elroy.jpl.nasa.gov!ncar!zaphod.mps.ohio-state.edu!lavaca.uh.edu!menudo.uh.edu!lobster!urchin!f8324.n106.z1.fidonet.org!Christopher.Boone
From: Christopher.Boone@f8324.n106.z1.fidonet.org (Christopher Boone)
Newsgroups: rec.ham-radio
Subject: Re: ATV/Cable TV Freqencies?
Message-ID: <5130.27855DF1@urchin.fidonet.org>
Date: 4 Jan 91 19:26:54 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8324 - Far Point Relay Ham, Katy Tx
Lines: 19

** Quoting Jeff Mann to All **
\>Newsgroups: rec.ham-radio,rec.video,alt.artcom,rec.arts.fine,matrix.newmedia.telecomatrix.newmedia.video
atrix.newmedia.video
\>Can anyone tell me the freqencies used by cable tv channels?
>I have heard
\>it is possible to tune in ham radio (amateur) TV signals using
>a cable
\>converter with an antenna attached, but I don't know what frequencies
\>the
\>cable channels correspond to. Specifically, the frequency I
\>am looking
\>for is 439.25MHz. What channel would this be on a cable converter?
>
** End of Quote **
Try channel 60 on a cable convertor! That's 439.25 exactly!!! Rptr outputs on
421.25 is 3 channels down at 57!! A good antenna with a preamp and LOWLOSS
coax with work just fine!
73
WB5ITT

From -2980973944437779317
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4894f133cff41a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 11:33:18 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: RF and the outer limits...
Message-ID: <18230057@hpfcdj.HP.COM>
Date: 4 Jan 91 19:33:18 GMT
References: <9012311443.AA29811@hermes.intel.com>

Organization: Hewlett Packard -- Fort Collins, CO
Lines: 23

>light-years distance. The Carl Sagan novel "Contact" has an alien
>civilization receive ordinary broadcast television signals radiated from
>Earth. The information bandwidth in such a signal means that the rcv antenna
>required at the alien planet few light-years away from earth would have to be
>bigger than a typical planet. Maybe possible, but not likely to be likely.

In defense of Dr. Sagan, I should point out that in "Contact," the alien structure which detected the TV transmissions and beamed them back to us *was* described as planet-sized. Of course, the alien culture described in that novel was clearly thousands of years ahead of us, so maybe they just picked up the sub-space reflection of the TV signal, which is generated by double-reverse-phase gonkulation with the hyperspatial ether when the signal encounters the Van Allen belts, on their PanGalactic Space Walkmans. :-)

Seriously, though, I thought that the first few chapters of "Contact" gave a very accessible look at some of the problems and techniques used in current SETI efforts. Whether or not you like the rest of the book depends on how much you like SF, and Sagan's particular brand of it.

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
myers@fc.hp.com                          |  sentient life-form on this planet.
```

From 6605735289748366700
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2f9772e51b0ea7cf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 12:06:34 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!agate!shelby!paulf@shasta.Stanford.EDU
From: paulf@shasta.Stanford.EDU (paulf)
Newsgroups: rec.ham-radio
Subject: DSP file #1
Message-ID: <55@shasta.Stanford.EDU>
Date: 4 Jan 91 18:56:45 GMT
Organization: The Three Packeteers
Lines: 94

Lesson #1: The Nyquist Sampling Theorem

The Nyquist Theorem is easily the most important and fundamental concept in DSP. It is also one of the stranger, and probably least intuitive concepts in engineering mathematics. The idea that one can sample a signal, and retain all of the information in the original is suprising to say the least.

Let's start off by looking at another theorem that seems to make more sense, the Fourier Theorem. Simply stated, FT says that any signal may be expressed as an infinite sum of sines and cosines. Think of a signal as a vector in an n-dimensional space. FT allows you to break up that single vector into n-orthogonal vectors, which add up to the original. Thus, we can speak of a signal in terms of its original form (as a waveform varying with time) or broken down by frequency content (as a waveform varying with frequency).

Fourier analysis is a topic unto itself, as people have invented a number of ways to perform the mathematics quickly and easily. The classic text is Bracewell's "The Fourier Transform and Its Applications", a neat book to have just for the pictoral dictionary of transforms. In any event, there are a number of subtheorems to the FT, which allow one to generate and manipulate waveforms. For our purposes, we need the theorems that deal with impulses and periodic waveforms.

An impulse is simply a very narrow pulse. Mathematically it approaches zero width, but in practice it's simply very very narrow. The neat thing about an impulse is that, while it's narrow in a time sense, it's very broad in its frequency content. In fact, a true mathematical impulse has an infinite bandwidth; our real world equipment has limited bandwidth, which is why in practice our impulses are "very very narrow" and not zero width.

As it turns out, the frequency content of any periodic waveform (that is, one that repeats itself) consists of a set of impulses (or "impulse train") whose amplitudes vary; in fact, the variation is the same as if we were to run through one period of the waveform. Now, suppose that our signal is "band limited", that is, all of the frequency content lies between two discrete frequencies. Then we can represent our waveform (which is periodic and band limited) by a finite set of impulses, whose amplitudes are scaled by the frequency content of a single period. Those impulses are thus samples of the frequency content of a single period of the waveform. So, sampling in frequency corresponds to periodicity in time.

To review very briefly to this point, we've seen that a periodic, band limited signal can be represented by a finite number of samples of the frequency content.

Another neat property of FT is that both "domains" are duals. So, as it turns out, sampling in time corresponds to periodicity in frequency. Since most electrical waveforms that we have access to are time waveforms, this tends to be the result that's used more often. If our signal is band limited, then sampling in time results in a periodic repetition of the frequency content of the waveform. Since all of these repetitons are equivalent, it's wasteful to keep all of them around, so we'd like to be able to get rid of all but one copy -- and we want the original. The spacing of the copies depends on the rate that we sample the signal -- the faster we sample, the bigger the separation between the copies. Now of course, we'd like to determine the slowest sample rate, since the fewer samples we have to deal with, the better. As we slow the sample rate down, the copies of the frequency content begin to come together, as the separation decreases. Eventually, one reaches a point where the space between the copies becomes zero. The sampling rate at this point is called the Nyquist Rate, or Nyquist Frequency, and as it happens, the Nyquist Frequency is exactly twice the highest frequency sample in the signal. For example, the telephone system assumes that the highest frequency in human speech is 4.0kHz; the Nyquist Rate is 8kHz. Thus, the Nyquist Theorem gives us the minimum amount of work we need to do in order to preserve a signal.

If we sample below the Nyquist rate (either on purpose, or by underestimating the frequency content), the copies will overlap. This is known as Aliasing, and great care must be taken to avoid it, as quite obviously it distorts the frequency content of the signal. In practice, an Anti - Aliasing filter is applied to the signal before sampling, so we can be sure that the signal is band limited to an amount we'd planned on.

There are a few other considerations worth noting here. As it turns out, representing a signal by a finite number of time samples introduces a bit of ripple in the frequency content; the greater the number of samples, the smaller the ripple.

Another consideration is that most signals are not completely bandlimited. The trick is to study the signal, and determine what band contains most of the information (really, most of the signal power). This is usually done by using some sort of spectrum analyzer (either by using a self contained instrument, or by using software to perform the same tasks). A human voice, for example, really only needs about 2kHz for communication. The added bandwidth in the telephone system passes along certain voice characteristics that allow us to identify the speaker.

Next time, we'll look at how we can use discrete time samples to implement filters.

-=Paul Flaherty, N9FZX | Without KILL files,
->paulf@shasta.Stanford.EDU | life itself would be impossible.

From -2995841408733393987
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea5c6ad8072235f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 12:10:21 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: DSP for the non-EE
Message-ID: <1250321@hpnmdla.HP.COM>
Date: 4 Jan 91 20:10:21 GMT
References: <4520@lib.tmc.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 48

In rec.ham-radio, jmaynard@thesis1.hsch.utexas.edu (Jay Maynard) writes:

>...
>The impression I got from talking briefly with N4HY is that seriously heavy
>theory is involved in even thinking about playing with DSP.

Not really. A DSP chip is nothing more than a special-purpose microprocessor. You COULD implement a word processor or database program on a DSP, although that would be a serious misapplication.

The hard part is learning the algorithms for doing filtering or other signal-processing functions. You can think of filtering as a form of averaging. For example, let's say you have a set of temperatures in Santa Rosa, CA for a year and want to generate a graph that is "smoothed". For each point (day), you could simply add in the data for the 3 days previous and the three days after and divide the result by 7 to get the 7-day running average.

What you have done is implement a Finite-Impulse-Response (FIR) digital filter. In other words, you have low-pass filtered the data. This is not the best smoothing function -- if you look at the response in the frequency domain, you will see that the frequency response has a bunch of spurious responses in the "stopband". A better "windowing function" would be to weight the 7 values, with values closest to the center counted the most. Each different shape of window has a different shape in the frequency domain (frequency response). The theoretical best window (rectangular "brick wall" frequency response) is a sin(x) / x function, but this requires an infinite number of samples (x goes from -infinity to +infinity), so real-world windows are always a compromise.

You can do a bandpass filter by using a window function shaped like a sine wave. (Polarity changes + to - every few samples).

FIR filters can always be implemented by simply summing in weighted samples of the input signal. IIR (Infinite Impulse Response) filters also sum in weighted samples of the OUTPUT signal. The advantage is that you can usually get away with fewer calculations. The disadvantage is they have an infinite impulse response and a delay that varies with frequency. They are also often harder to analyze and design.

There are software packages available to do all the filter design for you. I seem to recall I have seen software that runs on a PC for about the price of a good 2 meter HT. Perhaps someone on the net has more specific info.

AL N1AL

From 8299493911110560238
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5fc35e3604be978e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 12:21:22 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!wuarchive!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)

Newsgroups: rec.ham-radio
Subject: Re: Ground Plane for my CB antenna
Message-ID: <7880398@hpfcdc.HP.COM>
Date: 4 Jan 91 20:21:22 GMT
References: <B12yu1w163w@ozonebbs.UUCP>
Organization: HP Fort Collins, Co.
Lines: 29

>>I am setting up a CB in my house, and I am having problems with a ground plane.
>
>I had very good luck with a quarter wave (104") mobile whip mounted on the roof of my house (secured to a short mast), with three (four would have been better still) quarter wave (104") ground radials (#14 wire or thicker) sloping down at about 30 degrees below horizontal.

Right on the button. You can use almost any guage wire - I'm using 32+ radials of #25 enameled copper at 500 watts. Since 5 watts CB is pretty low current, the radials don't need much surface area. If you want to combine the groundplane with the guying system, you can also use aluminum guy wire, cut and insulated at the right length.

>Now, I was just imitating other working designs, without any really good understanding of antenna theory, so there are undoubtedly things I could have done better. Please do post, so we can all learn.

The sound of a scholar. Such humility is uncommon here. :)

Much of antenna design is mechanical, as well as electrical. Both parts of antenna design are well described in the ARRL Antenna Handbook. Great bedtime reading.

>   little david

Perry Scott / KF0CA

From -6095242651019091532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea5c6ad8072235f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 12:27:27 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: DSP for the non-EE
Message-ID: <47743@apple.Apple.COM>
Date: 4 Jan 91 17:32:51 GMT
References: <27080045@col.hp.com> <2269@esunix.UUCP> <4520@lib.tmc.edu>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 81

jmaynard@thesis1.hsch.utexas.edu (Jay Maynard) writes:

>The impression I got from talking briefly with N4HY is that seriously heavy
>theory is involved in even thinking about playing with DSP. The comparison
>I've drawn after considering the question is that the equivalent level of
>knowledge for a digital logic hacker is knowing how to mask and dope silicon
>wafers that are eventually built into gates. Is it possible to have the gates
>premade, so I only have to worry about wiring them together?
>
>This gets even worse for a non-computer weenie...I, at least, am comfortable
>with the idea of writing assembly language code. Joe Ham who's not a systems
>programmer has an additional layer to penetrate.

IMHO, one cannot do serious DSP without at least rudimentary knowledge of Convolutions, Z-transforms and Fourier Transforms. One does *not,* though, need heavier stuff such as Winograd FTs, Itakura iterations, Wiener-Levinson, LPC and such to thoroughly enjoy playing with discrete filtering.

And, you do *not* need to be a "computer nerd." In fact, I have seen few cases of being a "computer weenie" helping with the understanding of DSP fundamentals. Knowing applied mathematics is much more useful. I know, I know, we have fewer of those than computer nerds, even, in the Ham community.

That said, I think it would not take long for everyone to be able to play with DSP. How many people that you know who claims to "homebrew" antennas really know how to solve them integral equations? They use NEC (or one of the variants) and stop at that, at the most! Many claims "homebrew" just by cutting a piece of wire to 0.52 Lambda and feed it with a coax through a store-bought balun. But, they have fun, nevertheless. How many designing their own rigs bothers with the base-voltage-collector-current relationships?

I'll bet lots of kopeks that almost all the Hams playing with FIRs today are already using canned routines lifted from IEEE publications (probably the Burrus and Parks stuff :-) to help them design filters. But, hey, if it helps slowly for them to understand the need for odd-ordered FIRs, why not? I wonder how many of them worry about limit-cycles of IIRs. Don't worry, Jay, the "experts" of the use of DSPs in the Ham world aren't *that* many steps ahead of you.

Further, lots can be done with DSP without touching a single integral equation (just don't go try proving the convergence of certain series :-). Most of the work can be done with the summations that more people tend to have grips with.

At some point, I see DSP cookbooks much like, say, the Op-amp cookbooks of two decades ago. Before that, did many Hams use Op-amps? Although, the cookbooks will probably not be in the form of *schematics,* but be in terms of canned *design programs* running on home computers. And, just like people starting off with the op-amp cookbooks, the DSP newcomers will slowly and surely apply their own "tweaks," learning both from their successes and failures. You tend to blow up fewer parts with DSP. Just hit the Reset switch and only your ego goes up in smoke :-) :-).

The appeal of DSP to a segment of the community is the capability of creating filters that are tweaky, at best, to create using analog means. Just try comparing an FIR approximation of the Hilbert transform to one of the analog broadband quadrature phase-shifters that you can build. I hate to say this, you also have to "build" less :-). A good building block, once finished, can be reprogrammed to do something else when you are tired of it.

BTW, no one has mentioned this before, I don't think; at least on this newslist. With DSP, the Weaver method (sometimes called the "third method") of SSB generation becomes extremely practical. The 1800 cps (sorry, Hz; but the Weaver method did preceed the cps -> Hz changeover :-) whine should be perfectly nullable with DSP techniques. And, there is no broadband phase-shifters needed in the Weaver method (IMHO, Hilbert transforms are a pain even with DSP). Just an example of how DSP can make even old ideas work out better. A small QRP SSB rig based on DSP, anyone?

73,

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From 290321213286533694
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-04 12:34:58 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!xanadu!jeff
From: jeff@xanadu.com (Jeff Crilly N6ZFX)
Newsgroups: rec.ham-radio
Subject: Re: Comments needed on a YEASU FT-757 GX II
Message-ID: <1991Jan4.191016.29388@xanadu.com>
Date: 4 Jan 91 19:10:16 GMT
References: <9101031728.AA15712@ucsd.edu> <758@wells.UUCP>
Organization: Xanadu Operating Company
Lines: 28

In article <9101031728.AA15712@ucsd.edu>, IANR003@UNLVM.BitNet (Michael Ruhrdanz) writes:
>
> I am seriously considering purchasing a YEASU FT-757 GX II HF
> radio. It has the following features that I find attractive (this is
> Does anyone have any operating experience concerning this radio? I am

I considered this radio. I was also turned off by how the modes are switched. Also, the audio quality didn't seem very good. I think it has 10 memories which is o.k. but I have used most of the memories in my new ts-440 (it has 100). As a mobile radio, I think the icom radios (either the 735 or 725) would be better. I like the ts-440 better than the 735/725 or the yaesu 757, but then again it costs a few hundred more with the auto-tuner built in. I think it can be had for about $1k without the tuner, so thats about $100 more than the yaesu 757.

One problem with the 440: it takes up a little more space than the yaesu 757 or Icom 735 or 725. The 440 won't fit in my car very easily. The Icom or the yaesu might. If I had the opportunity to put a new radio in my vehicle it would probably be one of the Icoms.

Another thing to consider is the new Delta II from ten tec. This looks like a very fine radio and was supposed to be released in november. Does anyone know when/if it will be released? I hear it is supposed to cost about $1k.

Jeff Crilly (N6ZFX)
AMIX Corporation 2345 Yale Street Palo Alto, CA 94306
jeff@markets.amix.com, {uunet,sun}!markets!jeff, N6ZFX@N6IIU.#NOCAL.CA.USA

From 931904796115351418
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 13:50:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!hplabs!hpfcso!ron
From: ron@hpfcso.HP.COM (Ron Miller)
Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Message-ID: <7500076@hpfcso.HP.COM>
Date: 2 Jan 91 21:50:00 GMT
References: <794.2770B751@w8grt.fidonet.org>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 43

> > Tell that to KA5ZCK, who's sometimes addressed as Lieutenant Robert M.
> > Craig, USNR-R. He's told me a couple of times that he's always looking
> > for people to copy code, and was prepared to offer E-6 or E-7
> > enlistments
>
> Lieutenants are rather well removed from the policy making end of the chain
> of command in the Navy. Particularly the USNR (as opposed to USN) types. [:-)

True. But they are required to KNOW the policies most of the time.
A signed enlistment paper with E-6 isn't likely to turn into enlistment
as a pumpkin. And treatment as an E-6 or E-7 is a LOT better than
treatment as an E-1. Such enlistments look like highly preferred treatment
to me though careful scrutiny would be prudent.

>
> Actually, recruiters will promise anything to anyone who is at 98.6 degrees
> Fahrenheit and can bend over during the physical without falling flat on his
> face. As often as not, the service after receiving the recruits' complaints
> about not getting what they were promised, shrug it off.
>
> --
> Jim Grubs - via the friendly folks at UUNET

Jim, your dislike of the military is contaminating your command of the facts.

In the last 15 (or more?) years,the services are required to honor a
recuriter's contract if it is in writing.
If they put in writing that you will receive 'A school' for electronics, you
have a committment. A spoken contract is worthless because recruiters'
tongues' are split at recruiter school and verbal committments are
unreviewable by "higher authority". (My ship CO had been a recruiter and
told us these facts.)

Yes, ham radio operators ARE a pool of trained operators. Fortunately,
most are too old to be tapped. The others are a pool of trained operators
available to be tapped as cooks if things don't work out:-)))

A friend of my Dad's 'placed out' of Morse class in flight training because
he was a ham. (Ancient history- 1955)

Ron
NW0U

From -1731940424210224990
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f53b97d233de0914,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 14:19:32 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!WMMVS.BITNET!ISY5GSE
From: ISY5GSE@WMMVS.BITNET ("Geri S. Ellis")
Newsgroups: rec.ham-radio
Subject: unsubscribe $MKMCSH@WMMVS.BITNET
Message-ID: <9101022121.AA26616@ucsd.edu>
Date: 2 Jan 91 21:13:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5

Please unsubscribe $MKMCSH@WMMVS.BITNET from all the
Info-Hams mailing lists (DIST-Ham@RPIECS and info-hams-relay)
This user is no longer on this computer and we are trying
to clean up obsolete mail deliveries. Thank you very much.
Geri Ellis, BITNET Techrep

From -7561984183658680619
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,71087cb0b9abc289,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 14:19:35 PST
Path: gmdzi!unido!mcsun!uunet!abvax!iccgcc!macmillan
From: macmillan@iccgcc.decnet.ab.com
Newsgroups: rec.ham-radio
Subject: PRBWON if you still need copies
Message-ID: <2640.2781f846@iccgcc.decnet.ab.com>
Date: 2 Jan 91 20:12:06 GMT
Lines: 19

For those out there in litigation land who would like to put up
their antennas and are having difficulty down at city hall;

The A.R.R.L. has distributed copies to all volunteer council
the court order from the Federal Court in Cleveland, OH

and I have scanned both and will E-MAIL them to you if
that will help.

You can also call CLEVELAND HAMNET at (216) 942-7516
and (216) 942-6382 to download PRBWON.zip or .txt
and PRBWON2.zip or .txt

The original postings of these orders have rotated off the net
a few weeks ago.

HAPPY NEW YEAR - de WA8ZHN

From -7390868654392681837
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 15:00:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Rumors of ARRL appeal on No-Code
Message-ID: <1991Jan2.221622.3164@ux1.cso.uiuc.edu>
Date: 2 Jan 91 22:16:22 GMT
References: <9012301924.AA29750@umail.UMD.EDU>
<1991Jan2.052707.72@ux1.cso.uiuc.edu> <212@platypus.uofs.edu>
Organization: University of Illinois at Urbana
Lines: 30

bill@platypus.uofs.edu (Bill Gunshannon) writes:

>And if your really concerned with TVI, have you tried watching Cable

>Channel 18 while running 2 meter packet lately?? Even my HT on low power can wipe it out. And I think there are more people watching Cable channel 18 than you are likely to find watching fringe channel 2 with rabbit ears.

This problem is especially acute in Urbana-Champaign. Cablevision chose to set their cable system up with offset channel numbers as such:

Station	Affiliation	FCC channel	NCTA channel	Cablevision channel
WCIA	CBS	3	4	3
WILL	PBS	12	13	12
WICD	NBC	15	16	15
WAND	ABC	17	18	17

So what we have here is the ABC affiliate being directly on the 2 meter band (NCTA channel 18, Cablevision channel 17). A 40 watt repeater using 4 dipoles at 300+ feet a mile away puts lines on my picture.

>Maybe this is another myth that should be put to rest once and for all.
>6 meters != TVI.

With cleaner transmitters around now, the problem is back to dirtier receivers and leaky cables.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -6712732980254507301
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 16:14:47 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Rumors of ARRL appeal on No-Code
Message-ID: <1991Jan2.223824.6041@ux1.cso.uiuc.edu>
Date: 2 Jan 91 22:38:24 GMT
References: <911.2781E961@w8grt.fidonet.org>
Organization: University of Illinois at Urbana
Lines: 53

jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

> > I'll write and post, ok?

>Don't expect an answer. On my letter, the ARRL is the ONLY one who did not respond. Of course, those who agree with them may have better luck than I did.

I suspect the flood of letters and the lack of any position is causing them to defer any comment and/or reply at this time.

I did not renew my ARRL membership this year. But here is what I am now thinking of doing. I will take the latest offer the ARRL sent me to try to get me to renew (they offered me a free book to renew, each of which was either uninteresting to me or I already had) and write the following counter offer:

> I will renew my membership for one additional year in exchange for, in place of a free book in your offer, a set of teaching material and other aids for teaching a course for newcomers and Novices to get a Technician class license.

I will include my check for the currect membership rate, and address it directly to Larry Price. I will also add a further note:

> The ARRL stands to gain additional membership from the new codeless Technicians if it is perceived to be in support of them. Amateur radio itself will suffer if ANY band is dominated solely by new licensees. Placing them away from other amateurs is unwise, and will lead to a major rift in the service that cannot be recovered. Should the ARRL petition the FCC to restrict this new license class above 220 MHz, and if the FCC decides on the basis of this petition to make such changes, then this will be my last year as a member of the ARRL.
>
> The ARRL should consider, in weighing the decision on its policy in this matter, the proportion of opinion not only in its membership, but also in the new, and as yet unrepresented, potential membership the FCC decision in December opens up.
>
> One argument often made in favor of excluding codeless amateurs from the 2 meter band is that the band is currently overloaded in many areas of the country. I believe this to be absolutely false. What might be wrong with 2 meters is poor planning and poor coordination. Amateurs need to be more innovative in finding ways to increase the efficient use of all spectrum, not try to reserve enough room to just wallow in it.

I will then let him decide, on whatever basis he decides to, whether or not I will have at least one more year of renewal.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -2182911736238787665
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4894f133cff41a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 16:17:12 PST
Path: gmdzi!unido!mcsun!uunet!sbi!zeus!newt!jl
From: jl@newt.sbi.com (Jean-Louis Ecochard)

Newsgroups: rec.ham-radio
Subject: Re: RF and the outer limits...
Message-ID: <411@newt.sbi.com>
Date: 2 Jan 91 20:46:36 GMT
References: <9012311443.AA29811@hermes.intel.com>
<1990Dec31.180227.17457@bellcore.bellcore.com>
<1991Jan1.074440.13777@qualcomm.com> <47671@apple.Apple.COM>
Organization: Salomon Brothers, NY
Lines: 13

In article <47671@apple.Apple.COM> kchen@Apple.COM (Kok Chen) writes:
>
\>If this is so, they would want to transmit the simplest signal
\>possible that looks artificial to the recipient. An unmodulated
\>carrier.
>
Such as a direct beam of light :-)

```
--
Jean-Louis Ecochard                 O
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~./_\.~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
                                 (__Y__)                  uunet!sbi!chi!jl
```

From 2989783255694716308
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 16:17:29 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sol.ctr.columbia.edu!cica!
news.cs.indiana.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Rumors of ARRL appeal on No-Code
Message-ID: <1991Jan2.224153.6411@ux1.cso.uiuc.edu>
Date: 2 Jan 91 22:41:53 GMT
References: <886.277E1926@w8grt.fidonet.org> <3082@wyse.wyse.com>
Organization: University of Illinois at Urbana
Lines: 20
Posted: Wed Jan 2 16:41:53 1991

stevew@wyse.wyse.com (Steve Wilson x2580 dept303) writes:

\>Yes, but you have to read the rest of the announcement to understand
\>what they are doing...just what the Paul said...looking for input from
\>the membership to determine whether such action is required...the
\>announcment doesn't say that such action is positively forth-coming.

\>Since the ruling doesn't match what the league actually requested they
\>are asking the membership whether it is acceptable or not...Isn't this
\>how they should react?

That certainly should be a major part of their action. But league policy
should not be decided entirely by member vote or letter pile heights alone.
The ARRL acted somewhat in a leadership role by establishing a committee
to study, and going ahead to propose, a codeless license class. I hope
in the end they take this as yet another opportunity to stay a leader.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -1992772952122612268
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 16:20:23 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Message-ID: <638@chiton.ucsd.edu>
Date: 2 Jan 91 23:01:40 GMT
References: <620@chiton.ucsd.edu> <1990Dec21.191906.9290@jato.jpl.nasa.gov>
<635@chiton.ucsd.edu> <1990Dec22.215604.13560@NCoast.ORG>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 35

In article <1990Dec22.215604.13560@NCoast.ORG> allbery@ncoast.ORG.ORG (Brandon S.
Allbery KB8JRR) writes:
>
>AA6PN, will you please get a life? You've been trying to convert the whole
>newsgroup to Holy Worship Of The All-Highest God Code for over a week, and
>it's getting annoying.
>

Whats with this infantile hysteria? I've been reading this news group for years
and I have never read a posting from a CW OP that ever expressed an attitude
of snobby unfriendliness that you describe above. People who work a lot of CW
will be unabashedly enthusiastic about the mode but this has always translated
into a desire to share their pleasure with as many other Amateurs as possible.

Your paranoia is unfounded. If you talk to the many CW OP's on the air you will
find that far from looking down on you for any reason, they will be the ones
who will treat you with an attitude of friendly encouragement. You will find
them on all bands and all modes. Give them a break.

Further, they are not the enemy. Most CW OP's that I know support, as I do,the
new no-code Tech license. One reason the ARRL changed it's position on no-code
is that the membership changed it's position. These are the same members that
have been vilified as being OF's and opposed to change. If the long term
membership did not support no-code, the ARRL would not have backed it. We hope
for the best for the new no-code license. We hope at the same time that the
fundamental traditions of Amateur Radio will survive so that any new Amateurs

will inherit a hobby based on friendliness and openness.

I hope you are not as nasty on the air as you are in your posting. That does not bode well for the Service.

AA6PN

--
richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From 297632435427289333
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8163a0129de4dc0e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 16:34:22 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Future Ham needs to know ...
Message-ID: <7880397@hpfcdc.HP.COM>
Date: 3 Jan 91 00:34:22 GMT
References: <49389@sequent.UUCP>
Organization: HP Fort Collins, Co.
Lines: 14

>What would be a good book to study, that would cover the requirements
>for the written test.
>
>Michael Waugh

The codeless Tech test is a subset of the question pool for the Novice and Tech (FCC elements 2A and 2B). The question pool is published in quite a few books. There's even one at Radio Shack. The ARRL also publishes the pool. If you can find a local radio club, you can probably borrow one of these books for free. I'd lend you mine, but I borrowed it from a friend :)

Perry Scott / KF0CA

From 8394646923013120226
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 18:48:52 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!swrinde!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)

Newsgroups: rec.ham-radio
Subject: Re: No-code Technicians
Message-ID: <639@chiton.ucsd.edu>
Date: 2 Jan 91 23:35:55 GMT
References: <844.2779F0BE@w8grt.fidonet.org>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 30

In article <844.2779F0BE@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>
>Having said that, however, I see little sense in reserving huge chunks of HF
>spectrum primarily for CW. If CW operators are as good as they say are, wading
>through QRM from other modes ought to be a breeze. [:->
>

Sorry Jim: I wish it were so but it's not. For many reasons (CCNR's, TVI etc.) I and many other operators are limited to CW for a good part of the day and night. If you eliminate CW as a viable mode of operation you will drive me and many others off the air. Is that what you really want? I am already being driven off of the CW portion of the ten meter band by the increasing illegal SSB and AM operation there. There is a reason for a no-phone segment of the band. Without it CW will dissapear. Is that what you want? Has Amateur Radio deteriorated to the point that some segments of the population don't care if other segments that may have spent a good part of their lives on the air are driven out of the hobby? Just as bad, may potential new Amateurs will not be able to operate out of the many new suburban areas with low power on SSB. Without CW they will have no alternative but to stay off the HF bands.
You say you want to attract new hi-tech hams to the hobby. Well here is one engineer that will be forced out of the hobby if the anti-CW histeria wins the day. Think about it.

AA6PN

--
richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From -3690273315260514638
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,645544ea04a3af8f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 18:48:59 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!ucsd!ucbvax!OUTLAW.UWYO.EDU!fletcher
From: fletcher@OUTLAW.UWYO.EDU (Walter R Fletcher)
Newsgroups: rec.ham-radio
Subject: Re: Strange Interference...
Message-ID: <910102164627.204004f3@UWYO.BITNET>
Date: 2 Jan 91 23:46:27 GMT

Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 33

From: amdahl!pyramid!athertn!steveh@ames.arc.nasa.gov
(Steve Harding) writes:
>Here's one for the books, radio pals.

>Here in the San Francisco Bay area we have a hi-level repeater on 145.41. This

>Lately I have been getting interference on 145.42; enuff that it wipes out
>145.41. This interference comes from another repeater located about 60 miles

From: ogicse!emory!athena.cs.uga.edu!mcovingt@ucsd.edu
then writes: (Michael A. Covington)

>Well, for one thing, the 440-MHz transmitter probably has a tripler
>somewhere in it -- that is, it oscillates at a much lower frequency
>and then doubles and/or triples it several times. If the last step
>in all this is a tripler, then some of the un-tripled signal (at about
>143 MHz) could also be getting through.

Ignoring the possibility that someone has misprogrammed a modified dual-band rig you might consider an intermod product of the form:

```
    F3 = (3 * F1) + F2    where F1 = 145.41 (or .42)
                                F2 = 11.7 (or another similar IF)
                                F3 equals the product making you lose sleep...

yielding results close to (for instance):  447.03  ( 145.41, 10.8 ),
                                           447.06  ( 145.42, 10.8 ),
                                           447.96  ( 145.42, 11.7 )    etc...
```

Also the 150 to 160 Mhz band stuff could be a direct mix of 145.4x + some IF).

Reid, WB7CJO

From -2390186186847230782
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cfc6d084add8872,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 18:50:37 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!lavaca.uh.edu!
menudo.uh.edu!lobster!urchin!f8324.n106.z1.fidonet.org!Christopher.Boone
From: Christopher.Boone@f8324.n106.z1.fidonet.org (Christopher Boone)
Newsgroups: rec.ham-radio
Subject: Re: A few new questions
Message-ID: <5063.27844870@urchin.fidonet.org>
Date: 3 Jan 91 02:50:37 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8324 - Far Point Relay Ham, Katy Tx

Lines: 124

** Quoting Brandon S. Allbery KB8JRR to All **
 >+---------------
 >| 1. Is it legal to communicate via repeater in a band for
 >which you are
 >| not licensed? The specific example that I suspect will
 >become a common
 >| question is 2m->10m repeaters. Previously, there was
 >no class of Ham
 >| operator that was licensed for 2m but not 10m... but
 >the codeless tech
 >| cannot operate 10m. Can she operate 10m via the aforementioned
 >repeater?
 >+---------------
 >
 >I assure you there was and is: both Novice and Technician
 >can not transmit on
 >the section of 10m used for repeater operation. FM, being
 >wideband (compared
 >to SSB), is restricted to the upper part of 10m to which Novices
 >and current
 >Techs don't have access.
 >
 >I had the same question when I got my Novice license, because
 >I wanted to pick
 >up a 220 HT and wanted to know if it would be legal for me
 >to use the local
 >linked repeater. The answer was a definite YES --- because
 >it's not you
 >controlling the transmission on 10m (or 2m in my case), it's
 >the repeater
 >control operator. The general rule is that only a ham licensed
 >for the
 >transmitter output frequency may make or break the link, but
 >once it's made
 >any ham licensed for the *input* frequency may use it. This
 >is especially
 >important when you consider that the outputs for virtually
 >all 220 repeaters
 >are outside Novice privileges... but virtually all *inputs*
 >are within it.
 >
** End of Quote **
FCC rules allow Novices and Techs to be retransmitted onto 10mtr via croosband
rptrs BUT the rptrs MUST be within the 29.5-29.7Mhz range..rptrs on 10 are NOT
allowed to be operated outside this range....remote bases legally can ONLY be
controlled from 220.5 and above...which means Techs ona remote base CAN use
10m SSB from 220Mhz FM...a Novice cannot because they cannot be the control op
of a remote base...BUT a Novice or Tech on 220 can be crossbanded to
29/5-29.7FM!! BUT a 2mtr repeater CANNOT retransmit on 10mtrs below 29.5! ONLY
a remote base being controlled from 220.5 and above can do that!
** Quoting Brandon S. Allbery KB8JRR to All **

>| 3. I'm confused about whether a repeater and/or phone patch
>can be run
>| without local direct control operator supervision. Are
>all those
>| repeaters out there really babysat all the time they're
>in use?
>| What about digipeaters and other packet radio stations?
>+---------------
** End of Quote **
Repeaters can be run in automatci control UNLESS they go into autopatch
mode...then a control op MUST monitor all communications and terminate the
patch if the rules are violated...Novices CAN use a 220Mhz rptr autopatch (I
know..I own two 220machines)...they cannot CONTROL a rptr though..use of the
patch is not contol provided another amateur is the control op..then the
Novice can enter the access code, dial, etc....just like everyone else...
Only when a rptr is in autopatch mode is a control op necessary (actually it
should be when any 3rd party is being passed thru the rptr but the FCC is
talking with the ARRL about this one I understood from several months ago...)
** Quoting Brandon S. Allbery KB8JRR to All **
>| 4. Is it legal to make a repeater that changes its output
>frequency
>| via DTMF signals (and appropriate security codes a la
>phone patch)?
>+---------------
>
>Absolutely. It's called a "remote base". Various repeaters
>in my area have
>remote bases on 10m, 6m, and 2m --- at least. There are probably
>others; I
>believe I read something about a local repeater with a 220MHz
>remote base.
>
>Well, I should qualify that. A repeater must (or at least
>should) have a
>fixed input and output separated by the standard offset for
>the band in
>question (i.e. 100 KHz for 6m, 600 KHz for 2m, 1.6 MHz for
>220 MHz, 5 MHz for
>440 MHz, etc.; these are U.S. figures, they are different,
>for example, in
>Europe) and the frequencies should be assigned, or at least
>cleared with, the
>local frequency coordinators. However, such a repeater may
>have one or more
>remote bases on it, following the same rules as above (Novices
>can't control
>the remote link but can use it, etc.).
** End of Quote **
A remote base is not defined in the rules as such..it ios called a "remotely
controlled station." and is subject to such rules...a remote base (for shorter
name) may be ONLY controlled by an auxillary station on 220.5 and above!
This makes a rmote base on a 2mtr rptr illegal...except a 2mtr rptr may have
"extra inputs and outputs" even in the same band PROVIDED they fall within the

RPTR subbands for the appropiate band (29.5-29.7;51-54, etc)..a 2mtr rptr
may have a 146.52 input/output in additon to its normal freqs (say for example
146.34/94 whew what an example!)..but the same rptr may NOT have an additonal
input/output on 145.6Mhz! this is out of the rptr subbands...
to summarize and simplify:
a rptr on 10,6,2 may croosband to any RPTR bband only (including its own)
but it must stay within the rptr subbands...(a 2mtr rptr with a 29.4 crossband
is NOT legal!)

an auxillary station or rptr above 220.5 MAY crosslink anywhere PROVIDED that
the control op has the appropiate license for the crossband or remote base
tx..(a TECH may operate a 10SSB rig between 28.3-28.5Mhz from 224FM but a
Novice cannot because of the prohibition against the Novice being a control op
of the aux link or a rptr....)
Confusing isnt it? not really...if you are a Novice, you can be crossbanded to
any RPTR band legally...as a Tech you may operate a remote base anywhere your
license lets you do so yourself (a remote base is you operating your HOME
station remotely..the same rules, etc applies no matter how you do it!)
73
WB5ITT

From -5152554768722884284
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea5c6ad8072235f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 18:51:06 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!wuarchive!sdd.hp.com!ucsd!chiton!
rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: No-code: Cease Fire
Message-ID: <640@chiton.ucsd.edu>
Date: 2 Jan 91 23:50:24 GMT
References: <27080045@col.hp.com> <1990Dec28.062943.1845@ux1.cso.uiuc.edu>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 13

In article <1990Dec28.062943.1845@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil
Howard KA9WGN) writes:
>
>Does this apply to those who enjoy the hobby of flaming on the net?
>
Holy smokin 811A's, I hope not Phil. If I didn't have you to flame on the net
I'd have to retire out of shear boredom! Here's to another great year of high
temperature exchange! (All in good fun of course B------) Happy New Year!!!

AA6PN
--
richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From 722165437214763508
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f7380efbbf22a4e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 18:55:03 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!elroy.jpl.nasa.gov!aero!obrien
From: obrien@aero.aero.org (Michael O'Brien)
Newsgroups: rec.ham-radio
Subject: Re: TS-440 automatic tuner experience?
Message-ID: <95770@aerospace.AERO.ORG>
Date: 2 Jan 91 21:56:10 GMT
References: <1990Dec31.191121.10075@infonode.ingr.com>
Sender: news@aerospace.aero.org
Reply-To: obrien@aero.aero.org (Michael O'Brien)
Distribution: rec.ham-radio
Organization: The Aerospace Corporation
Lines: 27
Posted: Wed Jan 2 15:56:10 1991

In article <1990Dec31.191121.10075@infonode.ingr.com>,
kurtz@infonode.ingr.com (Terry Kurtz) writes:
|> Has anyone had experience with the automatic antenna tuner(s) for the
|> Kenwood TS-440? I have a Butternut HF6V and would like to hear if anyone
|> has had good or bad experience with either the AT440 built in automatic
|> tuner or the AT250 external tuner with this or other verticals.

I own exactly this combination and it works just great. The integral
automatic tuner can get the receiver down to 1.5 to 1 or better across
all bands. Of course it tunes narrowly in the lower bands, so changing
even a few KC means you have to re-tune. Also the antenna has to be
"right"; mine had some sections part electrical company (8 blocks from
the ocean means lots of salt air), and the AT wouldn't even try to tune
up under those conditions: went into emergency shutoff instead.

Of course you should still tune up the antenna as best you can, since
otherwise you'll end up heating coax when you could be transmitting,
even with a good match between the TS440 and the antenna feed. But with
a "window" on 80 and 40 that's only a few KC wide, the AT is invaluable
at making the rest of the band accessible. The tuning is so steep that
the AT is sometimes slightly fooled, and slides right past resonance too
fast, so it can take a bit of time to lock up on the low bands. But
on 20, 15 and 10 it does a fine job.
--
Mike O'Brien
obrien@aerospace.aero.org

From -8439063375166169013
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,c4894f133cff41a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 18:56:25 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!julius.cs.uiuc.edu!usc!sdd.hp.com!ucsd!
chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: RF and the outer limits...
Message-ID: <641@chiton.ucsd.edu>
Date: 3 Jan 91 01:07:28 GMT
References: <9012311443.AA29811@hermes.intel.com>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 20

In article <9012311443.AA29811@hermes.intel.com> rharel@fab8.intel.com (CAL-LAB
(MS:JER2-85 TEL:7589)) writes:
>Ever wonder why after all the billions of dollars and countless man-hours
>spent on searching for extra-terrestrial RF signals that we've come up with
>NOTHING ! ?

What are you talking about? I was into a nice QSO on 28.005 when I got blasted
by this BIG AM signal. At first I thought it was one of those @#*&^ CBers
pushing up the band. Then I listened a little more and it turned out to be two
guys from Tau Ceti speaking spanish. They were talking about the best way
to cook curried chicken (I checked with my wife and she said they were right
only she wouldn't use so much curry). I tried to break in on CW but they
ignored me. So don't say there isn't activity out there, they just dont know
the code.

     AA6PN

--
     richard currier        marine physical lab    u.c. san diego
     rec@mpl.ucsd.edu
     619-534-1730


From -12812319044067891
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7d367a40e5ae214c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,7d367a40e5ae214c,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1991-01-02 20:42:15 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!usc!wuarchive!udel!princeton!
kb2ear!n2aam
From: n2aam@kb2ear.UUCP (Dave Marthouse N2AAM)
Newsgroups: rec.ham-radio.packet,rec.ham-radio
Subject: Questions on tcp/ip and aea pkt1 tnc
Message-ID: <1266@kb2ear.UUCP>
Date: 3 Jan 91 01:27:02 GMT
Organization: KB2EAR Public Access UN*X, Kendall Park NJ
```

Lines: 18
Xref: gmdzi rec.ham-radio.packet:3330 rec.ham-radio:18685

I am interested in using my aea pkt1 with ka9q's tcp/ip. I would like to

know any information on the roms used for kiss with the pkt1. I in addition

would like any other info necessary to use this tnc with kiss and tcp/ip.

Are any hardware mods necessary to do this? Any additional information would

be appreciated.

Dave Marthouse

kb2ear!n2aam@princeton.edu

fido dave marthouse 1:107/323

ax25 packet n2aam @ w2odv-4.nj.usa.na

From -1684523079960396093
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f7380efbbf22a4e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 20:43:01 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!wuarchive!sdd.hp.com!hp-pcd!hplsla!tomb
From: tomb@hplsla.HP.COM (Tom Bruhns)
Newsgroups: rec.ham-radio
Subject: Re: TS-440 automatic tuner experience?
Message-ID: <5720090@hplsla.HP.COM>
Date: 2 Jan 91 17:33:37 GMT
References: <1990Dec31.191121.10075@infonode.ingr.com>
Organization: HP Lake Stevens, WA
Lines: 14

kurtz@infonode.ingr.com (Terry Kurtz) writes:

>Has anyone had experience with the automatic antenna tuner(s) for the
>Kenwood TS-440? I have a Butternut HF6V and would like to hear if anyone
>has had good or bad experience with either the AT440 built in automatic
>tuner or the AT250 external tuner with this or other verticals.

Dunno about the HF6V, but our radio club has a TS-44S/AT. It has a spec'd
range of something like 25 ohms to 150 ohms (and I'm not sure if that's
magnitude or just resistive component...). Over that limited range it does
OK, though it does it slowly. I hadn't had any auto antenna tuner experience
since some Collins commercial gear, and it was disappointingly slow. I
hear the external one is faster but am not sure, as well as being wider
range.

From 1596838006744380641
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f8267,87ec573ebba14829,start
X-Google-Attributes: gidf8267,public
X-Google-Thread: 12b1af,87ec573ebba14829,start
X-Google-Attributes: gid12b1af,public
X-Google-Thread: 10c9e3,87ec573ebba14829,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1622bb,87ec573ebba14829,start
X-Google-Attributes: gid1622bb,public
X-Google-Thread: fa3c8,87ec573ebba14829,start
X-Google-Attributes: gidfa3c8,public
X-Google-Thread: f9270,87ec573ebba14829,start
X-Google-Attributes: gidf9270,public
X-Google-ArrivalTime: 1991-01-02 20:47:52 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!utzoo!telly!intacc!mann
From: mann@intacc.uucp (Jeff Mann)
Newsgroups: rec.ham-radio,rec.video,alt.artcom,rec.arts.fine,matrix.newmedia.telecom,matrix.newmedia.video
Subject: ATV/Cable TV Freqencies?
Keywords: ATV transmitter
Message-ID: <1991Jan2.182430.2440@intacc.uucp>
Date: 2 Jan 91 18:24:30 GMT
Reply-To: mann@intacc.UUCP (Jeff Mann)
Organization: Inter/Access
Lines: 22
Xref: gmdzi rec.ham-radio:18687 rec.video:6108 alt.artcom:231 rec.arts.fine:92

Can anyone tell me the frequencies used by cable tv channels? I have heard it is possible to tune in ham radio (amateur) TV signals using a cable converter with an antenna attached, but I don't know what frequencies the cable channels correspond to. Specifically, the frequency I am looking for is 439.25MHz. What channel would this be on a cable converter?

While I am at it, does anyone reading this in the Southern Ontario region know whether any ATV activity is happening in the Toronto area? I have just bought a transmitter kit and hope to be on the air soon. I have some friends who are interested in starting an amateur tv "network". We are all "media artists" - video, computer, etc., and can see the potential of "personal television" for some really interesting projects. However, only two of us have our licences, and it would be nice to talk to someone with some experience...

<Jeff Mann VE3 KYH

```
--
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
|  Jeff Mann  Inter/Access Artists' Computer Centre, Toronto  [416] 535-8601 |
| ...uunet!mnetor!intacc!mann   intacc!mann@nexus.yorku.ca  mann@intacc.uucp |
|      The Matrix Artists' Computer Network BBS: [416] 535-7598 2400 8N1     |
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
```

```
From 2533032388729776451
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 20:58:38 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Rumors of ARRL appeal on No-Code
Message-ID: <954.278266F9@w8grt.fidonet.org>
Date: 3 Jan 91 04:11:05 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 39


 > From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
 > Date: 2 Jan 91 19:30:54 GMT
 > Organization: Wyse Technology
 > Message-ID: <3082@wyse.wyse.com>
 > Newsgroups: rec.ham-radio
 >
 > In article <886.277E1926@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org
 > (Jim Grubs) writes:
 > > > Much has been said, mostly rumor, in this newsgroup about the ARRL's
 > > > possible reaction to the recent FCC decision in PR Docket 90-55,
 > >
 > >What "rumor"? Price was quoted in a W1AW bulletin as considering filing a
 > >Petition for Reconsideration.
 > >
 > >--
 > >Jim Grubs - via the friendly folks at UUNET
 >
 > Yes, but you have to read the rest of the announcement to understand
 > what they are doing...just what the Paul said...looking for input from
 > the membership to determine whether such action is required...the
 > announcment doesn't say that such action is positively forth-coming.

And I did not say it did. And I wrote my open letter in the hopes of helping
them make the decision that they NOT choose to Petition for Reconsideration.
Is that not what _I_ should have done?

 > Since the ruling doesn't match what the league actually requested they
 > are asking the membership whether it is acceptable or not...Isn't this
 > how they should react?

Precious little good it will do them. The FCC has obviously decided that the
Antiquarian Rant 'n' Rave League is not leading ham radio in the direction it
should go.

--
Jim Grubs - via the friendly folks at UUNET
```

UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 1938692207963702750
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 20:58:40 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Rumors of ARRL appeal on No-Code
Message-ID: <955.27826701@w8grt.fidonet.org>
Date: 3 Jan 91 04:11:15 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 19

> From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
> Date: 2 Jan 91 22:38:24 GMT
> Organization: University of Illinois at Urbana
> Message-ID: <1991Jan2.223824.6041@ux1.cso.uiuc.edu>
> Newsgroups: rec.ham-radio
>
> I will then let him decide, on whatever basis he decides to, whether or
> not I will have at least one more year of renewal.

I do not disagree (and will do the same), but isn't it sad that to accomplish what's right, we have to appeal to their greed?

And they say it's not just a publishing company...

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 7854288403099999844
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 20:58:41 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: No-code Technicians
Message-ID: <956.2782670A@w8grt.fidonet.org>
Date: 3 Jan 91 04:11:30 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 24

> From: rec@chiton.ucsd.edu (Richard Currier)
> Date: 2 Jan 91 23:35:55 GMT
> Organization: MPL of SIO at UCSD
> Message-ID: <639@chiton.ucsd.edu>
> Newsgroups: rec.ham-radio
>
> In article <844.2779F0BE@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org
> (Jim Grubs) writes:
> >
> >Having said that, however, I see little sense in reserving huge chunks of
> HF
> >spectrum primarily for CW. If CW operators are as good as they say are,
> wading
> >through QRM from other modes ought to be a breeze. [:->
> >
> Sorry Jim: I wish it were so but it's not.

See smiley face above. Sheesh!

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -6230283953185805868
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1d7ea517dab56851
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 22:53:01 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!att!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Radiation Field
Message-ID: <1916@ke4zv.UUCP>
Date: 3 Jan 91 02:28:54 GMT
References: <91Jan2.062406est.57361@ugw.utcs.utoronto.ca>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 59

In article <91Jan2.062406est.57361@ugw.utcs.utoronto.ca> MULTI@TRIUMFER.BITNET
writes:
>Date: 1 Jan 91 18:23:59 GMT
>From: swrinde!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!
>+ gary@ucsd.edu (Gary Coffman)
>Subject: A few new questions
>To: info-hams@ucsd.edu
>
>>>6. Would a 100W 10m Transmitter to an antenna, say, 100 feet away, damage
>>>   one of those full-coverage scanners? Would a 1KW Transmitter? 2m?
>>>   It just seems like that would generate a lot of energy at the antenna

>>> of the scanner-- how much is too much?
>
>>This should not be a problem. A 100 watt transmitter working into a 50 ohm load will generate about 70 volts of RF. Field strength falls off to the inverse square of the distance. At 100 feet the RF voltage across 50 ohms should be 1/10,000 of the voltage at one foot. So the scanner should see no more than approximately 7 millivolts at it's input. A one kilowatt transmitter in the same circumstances would produce about 22 millivolts at the scanner. That shouldn't cause any problems. This has been a simplified calculation ignoring near field effects, but should be ballpark for this situation. At 80 meters the numbers would be somewhat different as near field effects would predominate and you could see volts of signal at the scanner.
>
>>Gary KE4ZV
>
>
>The RF voltage field from a radio transmitter falls off as the INVERSE of the distance, not the INVERSE SQUARE. One Kilowatt ERP generates a field of 186 millivolts per meter at one mile, in the absence of attenuation. At 100 feet, the RF field would be 186*5280/100 or 9.82 volts per meter.
>
>Ya'akov VE7-ALQ

Well yes, the RF voltage field does fall off to the inverse of distance. But I am quoting voltage across 50 ohms in the above article not volts per meter. That is another way of saying power, and power does fall off to the inverse square of distance. I guess that wasn't as clear as it could have been. The defining equation is:

Pr/Pt=Ar*At/d^2*L^2

Where Pr is received power
Pt is transmitted power
Ar is the effective area of the receive antenna
At is the effective area of the transmit antenna
d is distance
L is wavelength

As you can see, received power declines with the square of the distance and the square of the wavelength. This formula is valid where the inequality d>>2d^2/L is satisfied. In this case where the two antennas are separated by greater than 20 meters.

What we are interested in here is the voltage across the input impedance of the scanner, 50 ohms, as that is the voltage capable of doing damage to the scanner. And we can see that the voltage is quite low.

Gary KE4ZV

From 916327339840474657
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,c4894f133cff41a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 22:55:24 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!envy!karn
From: karn@envy..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: RF and the outer limits...
Message-ID: <1991Jan3.061836.27609@bellcore.bellcore.com>
Date: 3 Jan 91 06:18:36 GMT
References: <9012311443.AA29811@hermes.intel.com>
<1990Dec31.180227.17457@bellcore.bellcore.com>
<1991Jan1.074440.13777@qualcomm.com> <47671@apple.Apple.COM> <411@newt.sbi.com>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@envy.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 28

In article <411@newt.sbi.com> jl@newt.sbi.com (Jean-Louis Ecochard) writes:
>Such as a direct beam of light :-)

Uh, no, not if by that you mean noncoherent light in the range visible to humans (approx 700-400nm wavelength). The universe is filled with lots of extremely powerful natural generators producing these signals - they're called "stars".

If you read up on the background of SETI, the first thing you find is that choice of frequency band is critical. The infrared and optical wavelengths are dominated by thermal radiation from stars and similar objects, while the longer radio wavelengths are wiped out by natural non-thermal RF sources (synchrotron radiation, etc). This leaves a window in the range from 1-10GHz that seems optimum for interstellar communication. (There are lots of other factors such as quantum limits, atmospheric absorption, receiver technology limits, etc, but these are the fundamental ones.)

Those interested in reading up on SETI should check the back issues of the Planetary Report, the newsletter of the Planetary Society. There is also an excellent NASA report SP-419 "The Search for Extraterrestrial Intelligence" that Dover published in paperback form (ISBN 0-486-23890-3, $3.00). It was published in 1977 so it's slightly dated with respect to the signal processing technology. But the majority of the report deals with the fundamental principles of SETI, so it's still very much worth reading.

Phil

From -6566545986469044856
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcbff86ae533bc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 22:56:05 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!pyramid!

infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: New License
Message-ID: <1991Jan3.024456.10587@informix.com>
Date: 3 Jan 91 02:44:56 GMT
References: <1990Dec18.153124.12173@pdn.paradyne.com> <LZmeu2w163w@phoenix.com>
<8493@gollum.twg.com>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 16

In article <8493@gollum.twg.com> sawyer@twg.com (Bruce B. Sawyer) writes:
> The ruling is that applicants will
>be required to pass elements 2 and 3a. Period. Those are the same 2 and 3a
>elements as are around today (though, of course, the question pools are modified
>ever so slightly from time to time). These elements are commonly called the
>Novice written element and the Technician written element....

If someone wants the no-code Tech license, then he will have to memorize
the frequencies allocated to Novices and other CW-related questions
in order to pass element 2. This seems pretty strange to me.

--

=-=
Randall Rhea   Informix Software, Inc.
Senior Programmer/Analyst, MIS   uunet!pyramid!infmx!randall

From -5366890520250211790
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f3c459d115fd2e0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 03:24:19 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!ibma.nerc-
wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House,
Swindon")
Newsgroups: rec.ham-radio
Subject: Tube protection (was: 3CX800 amps)
Message-ID: <03.Jan.91.10:27:09.GMT.#6205@UK.AC.NWL.IA>
Date: 3 Jan 91 10:12:51 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 37

To anyone who is building tube-type amplifiers and is wondering about fusing
or otherwise protecting the tubes against over current (either plate current
or screen-grid current) here is a useful (and cheap!) tip.
Firstly, do not use a fuse! The current needed to take out a fuse is several
times its marked rating; so a 500mA fuse will actually pass many amps for a
millisecond or two before it blows. In this time, you can easily weld together

the internal structure of the tube. Remember that the smoothing capacitors of the power supply represent a significant energy store.
The answer is a combination of current limiting and electronic protection; put a low value (100 ohms or so) resistor in the B+ feed to the plate or screen-grid feed; this will limit the current that flows under flashover or short-circuit conditions. Also, fit a low-value resistor to the B+ feed, calculate this resistor so that under peak drive conditions it is dropping about 1 volt.
Then connect across this resistor, one of the cheaply-available opto-isolator ICs; these consist of a LED and a photo-transistor (or photo-SCR) and are usually rated to give 3 or 4 Kv isolation between the two sides. Now you have a circuit which, if excessive current flows to the tube, fires the LED in the optoisolator, and turns on the phototransistor or SCR. The panic-circuit that cuts the power to the tube can all be at low voltage since the optoisolator is keeping the B+ voltage away from it.

(I have seen a similar circuit, driving a latch & counters, used to count tube flashovers in a commercial RF power-generator (flashovers often happen if the unit is run with too small a load or no load at all) - the maintenance technicians were changing the tubes after a certain number of flashovers had been registered. One of the users (a ham) discovered how to simulate flashovers.... he then asked the maintenance team what they did with all the tubes they pulled, bought the maintenance guy a beer or two, and started building a K2RIW-type linear knowing he had a good supply of tubes!)

Note that since some of these optoisolators will work with very small currents (a few milliamps) you can also use them with class 'C' tube amps that get their grid bias from drive rectification, so that if you lose the drive, the tube B+ and screen-grid feeds are opened.

Pete Lucas PJML@UK.AC.NWL.IA G6WBJ@GB7SDN.GBR.EU

From -2785501066807243675
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcbff86ae533bc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 08:54:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!rutgers!mcnc!unccvax!cs00jmc
From: cs00jmc@unccvax.uncc.edu (John Covington WN4BBJ)
Newsgroups: rec.ham-radio
Subject: Re: New License
Message-ID: <3026@unccvax.uncc.edu>
Date: 3 Jan 91 14:19:03 GMT
References: <1990Dec18.153124.12173@pdn.paradyne.com> <LZmeu2w163w@phoenix.com> <8493@gollum.twg.com> <1991Jan3.024456.10587@informix.com>
Reply-To: cs00jmc@unccvax.uncc.edu.UUCP (John Covington WN4BBJ)
Organization: University of North Carolina at Charlotte
Lines: 23

In article <1991Jan3.024456.10587@informix.com> randall@informix.com (Randall Rhea) writes:
>>Novice written element and the Technician written element....

>
>If someone wants the no-code Tech license, then he will have to memorize
>the frequencies allocated to Novices and other CW-related questions
>in order to pass element 2. This seems pretty strange to me.

Actually, if you take all of the tests to get an Advanced license in
one sitting, you are responsible for knowing subbands for Novice, Tech
and General as well, even though you will never be confined by them if
you pass the test. That is a side effect of the modular examinations.
The alternative is to have a complete exam for each license class and
no credit for past examinations.

The point is well-taken, I have thought of it myself as seeming a little
funny.

--
John Covington WN4BBJ   Internet: cs00jmc@unccvax.uncc.edu
P.O. Box 217122   MCI Mail: JCOVINGTON 342-6957
Charlotte, NC 28221-7122 Packet Radio Mail: WN4BBJ @ W4BFB.NC.USA.NA
(704) 537-7653   "Kenneth, what's the frequency?" "I dunno, ask Dan"

From 1313960496549328332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 08:56:36 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Message-ID: <15334@crdgw1.crd.ge.com>
Date: 3 Jan 91 14:44:07 GMT
References: <18323@shlump.nac.dec.com> <708@ssc.UUCP> <637@chiton.ucsd.edu>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 11
In-reply-to: rec@chiton.ucsd.edu (Richard Currier)

In article <637@chiton.ucsd.edu>, rec@chiton (Richard Currier) writes:

>Not if the computer dweebs have their way Tad. As the spectrum fills up with
>hackers avoiding phone charges for their bbs's there will be pressure to expand
>deeper into the CW bands on RF and to push CW out entirely. After CW goes...

So you are saying that's different than all the voice operators who are
"avoiding phone charges" for long distance and conference calls?

-don perley - ke2tp
perley@trub.crd.ge.com

From -9160816691464370632
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6745d74249a91c0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 09:07:13 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!bronze!silver!daemon
From: daemon@silver.ucs.indiana.edu (Mr Background)
Newsgroups: rec.ham-radio
Subject: Re: is Pogo a ham?
Message-ID: <1991Jan3.144828.18975@bronze.ucs.indiana.edu>
Date: 3 Jan 91 14:48:28 GMT
Sender: news@bronze.ucs.indiana.edu (USENET News System)
Organization: Indiana University
Lines: 17

[previously-posted accounts of ham radio in the funnies deleted.]

In the 1950's, some bad guys kidnapped Dick Tracy and used a helicopter to maroon him in Mexico in an enormous pit completely surrounded by overhanging cliffs. He waited for favorable propagation conditions and used his wrist radio to contact a ham, and thus was rescued. Since DT's wrist radio is nuclear powered, battery life wasn't a problem.

Such a place actually exists; it's called "El Sotano" and is 1300 feet deep. American cavers found and descended it ca. 1970. It's so large that it looks like a valley instead of a pit, and sometimes people rappel through a cloud layer on the way to the bottom.

--

Frank Reid   W9MKV   NSS 9086F   reid@ucs.indiana.edu

From -1437112262771173177
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,87ec573ebba14829
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 09:40:38 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!masscomp!ocpt!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: ATV/Cable TV Freqencies?
Keywords: ATV transmitter
Message-ID: <1307@tsdiag.ccur.com>
Date: 3 Jan 91 15:09:13 GMT
References: <1991Jan2.182430.2440@intacc.uucp>
Organization: Concurrent Computer Corp. Oceanport NJ
Lines: 18

In article <1991Jan2.182430.2440@intacc.uucp> mann@intacc.UUCP (Jeff Mann) writes:
-Can anyone tell me the frequencies used by cable tv channels? I have heard
-it is possible to tune in ham radio (amateur) TV signals using a cable
-converter with an antenna attached, but I don't know what frequencies the
-cable channels correspond to. Specifically, the frequency I am looking
-for is 439.25MHz. What channel would this be on a cable converter?

421.25 = 57
427.25 = 58
433.25 = 59*
439.25 = 60

*Not in the bandplan for ATV.

```
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

From -4028792718403140923
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a75cab6f4f6a3fb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 09:45:50 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpda!hpcuhb!hpscdc!rkarlqu
From: rkarlqu@hpscdc.scd.hp.com (Richard Karlquist)
Newsgroups: rec.ham-radio
Subject: Re: Biographical References on Yagi of Antenna Fame ??
Message-ID: <5490110@hpscdc.scd.hp.com>
Date: 3 Jan 91 17:45:50 GMT
References: <35211@netnews.upenn.edu>
Organization: Hewlett-Packard, Santa Clara Div.
Lines: 9

The antenna was actually invented by his student Uda, who didn't
know English. Hence, Yagi wrote the paper on it and got the
credit for it. In recent years, academics have started calling it
the Yagi-Uda array to redress this injustice. I'd suggest you
write to Yagi's university to see if any archives survived the
B-29's. If you can find his original paper in the 1920's, it should
give the name of the university.

N6RK

From -7059247266204722532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7101088cb6839ffd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 10:56:28 PST

```
Path: gmdzi!unido!mcsun!uunet!timbuk!cs.umn.edu!kksys!orbit!pnet51!hca
From: hca@pnet51.orb.mn.org (H. Atlas)
Newsgroups: rec.ham-radio
Subject: LED flasher
Message-ID: <3743@orbit.cts.com>
Date: 3 Jan 91 06:44:35 GMT
Sender: news@orbit.cts.com
Organization: People-Net [pnet51], Minneapolis, MN.
Lines: 6

Does anyone know of an LED flasher that is more efficient than an LM3909.
I am NOT looking for a 555 timer circuit.  Thanks.

UUCP: {amdahl!bungia, crash}!orbit!pnet51!hca
ARPA: crash!orbit!pnet51!hca@nosc.mil
INET: hca@pnet51.orb.mn.org


From 3213188343854033825
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcbff86ae533bc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 10:56:38 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!snorkelwacker.mit.edu!
bloom-picayune.mit.edu!athena.mit.edu!tmurphy
From: tmurphy@athena.mit.edu (T Christopher Murphy)
Newsgroups: rec.ham-radio
Subject: Re: New License
Message-ID: <1991Jan3.154346.6421@athena.mit.edu>
Date: 3 Jan 91 15:43:46 GMT
References: <LZmeu2w163w@phoenix.com> <8493@gollum.twg.com>
<1991Jan3.024456.10587@informix.com>
Sender: news@athena.mit.edu (News system)
Organization: Massachusetts Institute of Technology
Lines: 16

In article <1991Jan3.024456.10587@informix.com> randall@informix.com (Randall
Rhea) writes:
>
>If someone wants the no-code Tech license, then he will have to memorize
>the frequencies allocated to Novices and other CW-related questions
>in order to pass element 2.  This seems pretty strange to me.
>

Not really.  It would seem to me that a major point of the exams
should be where one can and cannot transmit, and what type of signals
are allowed in which subbands.  After all, it is CRITICAL for any
operators to know the rules and be able to avoid poor operation,
anything else is window-dressing.

Christopher Murphy, N1HQL   |
MIT Network Services        |
tmurphy@mit.edu             |
From -6508853470764468152
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 11:40:54 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Rumors of ARRL appeal on No-Code
Message-ID: <418@ultrix.uhasun.hartford.edu>
Date: 3 Jan 91 15:31:02 GMT
References: <886.277E1926@w8grt.fidonet.org> <3082@wyse.wyse.com>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 20
```

In article <3082@wyse.wyse.com>, stevew@wyse.wyse.com (Steve Wilson x2580 dept303) writes:
>
> Since the ruling doesn't match what the league actually requested they
> are asking the membership whether it is acceptable or not...Isn't this
> how they should react?

Steve! I thought you understood how it's supposed to work. Whenever the League does something that is the will of the majority but with which you disagree, the League is guilty of lack of leadership. But if they do something that is _not_ the will of the majority and with which you disagree, then the League is guilty of being antidemocratic and fascist.

I thought you knew that! :-)

```
--
Jon Bloom, KE3Z                               | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu          |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

```
From -5502763810320433897
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 11:41:03 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!rpi!uupsi!
uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Rumors of ARRL appeal on No-Code
Message-ID: <419@ultrix.uhasun.hartford.edu>
Date: 3 Jan 91 15:35:12 GMT
```

```
References: <911.2781E961@w8grt.fidonet.org>
<1991Jan2.223824.6041@ux1.cso.uiuc.edu>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 18

In article <1991Jan2.223824.6041@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu (Phil
Howard KA9WGN) writes:
>     the 2 meter band is that the band is currently overloaded in many
>     areas of the country.  I believe this to be absolutely false.  What
>     might be wrong with 2 meters is poor planning and poor coordination.
>     Amateurs need to be more innovative in finding ways to increase the
>     efficient use of all spectrum, not try to reserve enough room to just
>     wallow in it.

Of course, if you *were* a member, you would have read the January QST
editorial and you would realize that you are preaching to the choir.





--
Jon Bloom, KE3Z                             | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu        |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."


From -8279026810728991222
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,5fc35e3604be978e
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,5fc35e3604be978e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,5fc35e3604be978e
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1991-01-03 12:24:06 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!bu.edu!att!cbnewsl!
moss!feg
From: feg@moss.ATT.COM (Forrest Gehrke,2C-119,7239,ATTBL)
Newsgroups: rec.radio.shortwave,rec.ham-radio,sci.electronics
Subject: Re: Ground Plane for my CB antenna
Message-ID: <1991Jan3.140815.20900@cbnewsl.att.com>
Date: 3 Jan 91 14:08:15 GMT
References: <B12yu1w163w@ozonebbs.UUCP> <1990Dec31.232808.18508@athena.cs.uga.edu>
Sender: @cbnewsl.att.com
Reply-To: feg@moss.ATT.COM (Forrest Gehrke)
Organization: AT&T Bell Laboratories
Lines: 17
Xref: gmdzi rec.radio.shortwave:3307 rec.ham-radio:18704 sci.electronics:10515

In article <1990Dec31.232808.18508@athena.cs.uga.edu> mcovingt@athena.cs.uga.edu
(Michael A. Covington) writes:
>All you need is four horizontal pieces of wire, going out in different
```

>directions, each of them as long as the antenna itself. This is a very
>common configuration for commercial 2-way radio antennas.
>.

As a point of interest, one of the fellows who hold the patent for
this antenna is a ham, W2EBS. His name is Bob Lewis, of the
classic 1930's paper on radial ground planes (Brown, Lewis, and Epstein).
He is 83 and still continues his interest in antennas. He is
currently one of the review board of Communications Quarterly.

BTW, the proper configuration is an upright quarter wave element
and quarter wave length radials. Since in this case the radials
are tuned, they must be exactly quarter wave length.

Forrest Gehrke feg@dodger.att.com   k2bt

From -1814588620070171854
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,77af22ae8802174,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 12:30:44 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: Hustler CG-144 antenna.
Message-ID: <03.Jan.91.16:49:13.GMT.#6538@UK.AC.NWL.IA>
Date: 3 Jan 91 16:42:25 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7

I have an opportunity to buy one of these antennas at a very good price.
Anyone had any experiences (good or bad) with one? How well do they work?
My particular concern is mechanical robustness; previous Hustler antennas
i have seen seem to be well constructed, but have never seen a CG-144
in close-up..

Pete Lucas G6WBJ@GB7SDN.GBR.EU PJML@UK.AC.NWL.IA

From -927870944068744599
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f3c459d115fd2e0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 12:52:34 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!bronze!silver!anachem
From: anachem@silver.ucs.indiana.edu (|mehcana| (undersampled))
Newsgroups: rec.ham-radio
Subject: 5CX1500A source

Message-ID: <1991Jan3.170425.12552@bronze.ucs.indiana.edu>
Date: 3 Jan 91 17:04:25 GMT
References: <03.Jan.91.10:27:09.GMT.#6205@UK.AC.NWL.IA>
Sender: news@bronze.ucs.indiana.edu (USENET News System)
Organization: Indiana University, Bloomington
Lines: 1

e-mail replys at ANACHEM@IUBACS appreciated

From 2447932281899741601
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3ef5518e3d30a89a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 12:53:39 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!yale!cmcl2!panix!joseph
From: joseph@panix.uucp (Joseph R. Skoler)
Newsgroups: rec.ham-radio
Subject: TR-7400A & Touch Tone Mic
Message-ID: <1991Jan3.162708.17502@panix.uucp>
Date: 3 Jan 91 16:27:08 GMT
Sender: joseph@panix.uucp (Joseph R. Skoler)
Organization: PANIX - Public Access Unix Systems of NY
Lines: 17

Does anyone know of a source for a touch tone pad for a Kenwood
TR-7400A?

Or, how about a source for a mic which has a touch tone pad and can
be modified for use (if necessary) with a TR-7400A?

Used is just as fine, if not finer, than new.

Thanks,

--

Joseph R. Skoler

UUCP: {cmcl2|apple!}panix!joseph

From 6554997562942399124
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 13:03:52 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!UNLVM.BitNet!IANR003
From: IANR003@UNLVM.BitNet (Michael Ruhrdanz)
Newsgroups: rec.ham-radio
Subject: Comments needed on a YEASU FT-757 GX II

Message-ID: <9101031728.AA15712@ucsd.edu>
Date: 3 Jan 91 14:51:11 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17

I am seriously considering purchasing a YEASU FT-757 GX II HF
radio. It has the following features that I find attractive (this is
not an all-inclusive list) - General Coverage receive (150KC to 30MC),
CONTINUOUS DUTY 100 WATT TRANSMITTER, AM & FM included as standard,
RF Preamplifer, CW notch filters, all-mode squelch, a computer
interface, and external connections for RTTY, PACKET, and so on.

Does anyone have any operating experience concerning this radio? I am
interested in any comments you might have. If you know of another
radio that has these same basic features in the same price range ($900),
feel free to discuss that one as well.

Thanks
Michael Ruhrdanz N0FER
BITNET: IANR003@UNLVM
OTHER: IANR003@UNLVM.UNL.EDU

From 1813208091667840626
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 13:21:09 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: No-code Technicians
Summary: CW interference
Message-ID: <1919@ke4zv.UUCP>
Date: 3 Jan 91 14:36:50 GMT
References: <844.2779F0BE@w8grt.fidonet.org> <639@chiton.ucsd.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 25

In article <639@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
>In article <844.2779F0BE@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>>
>>Having said that, however, I see little sense in reserving huge chunks of HF
>>spectrum primarily for CW. If CW operators are as good as they say are, wading
>>through QRM from other modes ought to be a breeze. [:->
>>
>Sorry Jim: I wish it were so but it's not. For many reasons (CCNR's, TVI etc.)
>I and many other operators are limited to CW for a good part of the day and
>night. If you eliminate CW as a viable mode of operation you will drive me and

>many others off the air. Is that what you really want? I am already being
>driven off of the CW portion of the ten meter band by the increasing illegal
>SSB and AM operation there. There is a reason for a no-phone segment of the
>band. Without it CW will dissapear. Is that what you want? Has Amateur Radio

Well here it is folks. Mr. CW admits that CW won't hack it in the face of a little adjacent channel operation by another mode. I guess he never tries to work 40 meter CW at night either. All those megawatt SW broadcast signals must make CW operation disappear from the band. :-)

Hey Dick, even poor old dyslexic Morse confused me has worked 40 meter CW. If you can hack that, you can handle *any* interference from puny ham transmitters. Besides, you can catch up on the *straight* news from Radio Moscow between beeps. :-)

Gary KE4ZV

From 6672650222285597963
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c9285f150c321a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 13:22:26 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpfcso!vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: Re: Thanks for the traffic...and now something really important :-)
Message-ID: <7500077@hpfcso.HP.COM>
Date: 3 Jan 91 21:22:26 GMT
References: <1990Dec23.194759.21773@eng.umd.edu>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 15

/ hpfcso:rec.ham-radio / stanley@phoenix.com (John Stanley) / 10:00 pm Dec 26, 1990 /

mcovingt@athena.cs.uga.edu (Michael A. Covington) writes:

And now, since the no-code question has been beaten to death, let's all start a spelling flame war. We can all pick apart every message with any spelling or grammer errors, and argue endlessly about "which" and "who" and "lose" and "loose", and "its" versus "it's".

Nah.. Everybodies far too involved in deciding if this news group should have the word "ham" or "amateur" in the title.

Bill - WA7NWP

From -1107796340223371220

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 13:44:54 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpfcso!vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: Re: 5 WPM == ITU requirement
Message-ID: <7500078@hpfcso.HP.COM>
Date: 3 Jan 91 21:44:54 GMT
References: <1728@ke4zv.UUCP>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 53

> / hpfcso:rec.ham-radio / sorgatz@ttidca.TTI.COM (Avatar) / 11:32 am Dec 26, 1990 /
> In article <58130008@hpcupt1.cup.hp.com> holly@hpcupt1.cup.hp.com (Jim Hollenback) writes:
>
> In fact, some of us have technical skills that far surpass those of our brethern with General tickets; the reason? While the Generals have been busy blasting away at 14.313, the Techs have been building antennas for OSCAR, amps for 1.2 GHz, linked microwave systems at 10 GHz and playing with the packet and DSP techniques...done any of that stuff??!!

Now that sounds like fun stuff. How about some more information on the projects above.

>
> is kicked back to 5 WPM. There's really no reason whatsoever for anything faster in terms of the ITU regs, or the skill level of the operator.
>
> If you could explain ONE real reason why that 13 WPM/Element 1b makes a ham any better, I'd love to hear it!

Ok. Passing the 13WPM test means you probably can use CW at 5WPM in the real world.

> To my way of thinking, it's just another stumbling block - another way of keeping the inner-sanctum of HF from people that would be interested in it bringing technical growth to it! (no :-)'s here...I'm very serious about this.)

Maybe. But the names in the news of the folks making the big steps today have lots of those funny 2x1 calls. It doesn't seem to be that big of an hindrance.

A local engineer just received his ticket. He's a hotshot EE who'll be a great addition to the ham ranks. He went from no license to Extra in one test session. He didn't find the code an stumbling block - he thought it was fun. A challenge. Took him 6 whole weeks to pass the 20WPM test.

Often it seems that the learning the code is influenced far more by

```
attitude than by ability.

>
> -Avatar-> (aka: Erik K. Sorgatz) KB6LUY           +------------------------+
> Citicorp(+)TTI                                 *----------> panic trap; type = N+1 *
> 3100 Ocean Park Blvd. Santa Monica, CA  90405     +------------------------+
> {csun,philabs,psivax,pyramid,quad1,rdlvax,retix}!ttidca!sorgatz **
> (OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR ITS MANAGEMENT!)
> ----------

I think new decaffinated/decoded Tech license was a great move by the FCC.
I also don't find any problems with the HF licensing system.

Now if only we can get the SSB off 20 mtrs - it'd be a great digital-only band.

Bill - WA7NWP


From 2910756085138920533
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4ee6351cca09cf8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 14:28:20 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!hplabs!
hpfcso!ron
From: ron@hpfcso.HP.COM (Ron Miller)
Newsgroups: rec.ham-radio
Subject: UQC explained
Message-ID: <7500080@hpfcso.HP.COM>
Date: 3 Jan 91 22:28:20 GMT
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 39



> Tad Cook says:
>
> Tell us more about this "underwater telephone".  Is this for two subs in
> the same area to talk to each other?  How did it work?
>
> In article <7500073@hpfcso.HP.COM>, ron@hpfcso.HP.COM (Ron Miller) writes:
> >
> >    a. For UQC (underwater telephone) when voice reverb or s/n was
> >       too poor. The manual CW button  on the box was good for
> >       the occasional 'R'  or 'C'. (But the other station needed
> >       to know morse too. Send slow so they can read the table off
> >       the side of the box!)

Simple, stupid box as I recall. Just like the one they used in the
movie GRAY LADY DOWN.   High frequency sonar transmitter(60Khz??)
Injected tone CW or DSB no carrier (I think) voice. No
scrambler. Used for talking to surface ships and other submarines in
the area while submerged.
```

Non-secure, normally danger tagged while on patrol because of emission
control hazard (transmit on it and the bad guys will hear you).

Typically we would use it to talk to surface ships escorting us on sea trials
or when conducting rendezvous for "games"

One had to speak slowly and distinctly, as if thru a bullhorn, to make
oneself understood if there was a lot of reverberation off the bottom
or the water surface (smooth bottom and glassy sea was the pits!).
Range depended on environmental noise and reverberations.
Ham radio experience was useful for eliminating mic fright and for copying
the other guy's tranmsissions thru his self-generated QRM.

Just your basic, simple, underwater sonar telephone :-)

Well, it was better than banging on pipes.......

Ron
NW0U

From -6879027575593344472
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 14:38:46 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: No-code Technicians
Message-ID: <642@chiton.ucsd.edu>
Date: 3 Jan 91 18:40:08 GMT
References: <956.2782670A@w8grt.fidonet.org>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 21

In article <956.2782670A@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>
> > Sorry Jim: I wish it were so but it's not.
>
>See smiley face above. Sheesh!
>
Sorry again Jim, I didn't mean to jump on you but the situation on the low end of ten is really getting bad and it is moving up into the beacon area and even into the novice phone portion of the band. I hate to see the only phone band available to Novice and Tech OP's ruined by illegal operation. I try to spend a certain amount of my operating time just rag chewing on the novice bands both phone and CW and have made many new friends there. When the cycle dips the mess will go away on ten and will return again with the new rise. We'll see...

AA6PN

--
richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From -8982790358866631587
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a4b3c0234c6fece,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 14:53:52 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Modular Examinations (was New License)
Message-ID: <9101031726.AA08460@tilde>
Date: 3 Jan 91 17:26:22 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18

I don't see anything odd about the current examinations. When you stop to think about the license structure as a progressive series, with each step being more complex than pervious ones, then the current method makes sense. The whole system was, IMHO, set up for people to progress from one class to the next higher class. Thus the exams were structured so that you didn't have to take the entire series every time you wanted to upgrade.

(change "pervious" to "previous", all you editors :))

I really can't see why anyone would object to having to know the simple basics of the hobby, anyway.

Geez! The exams, and the testing method, are so simple! What's to whine about?

73,
Dube   N5PDK

From -4197217083372039561
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1d80f72f3490c1c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 15:48:02 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!usc!elroy.jpl.nasa.gov!
sdd.hp.com!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio

Subject: Re: A few new questions
Message-ID: <18230054@hpfcdj.HP.COM>
Date: 3 Jan 91 23:48:02 GMT
References: <53@bootsie.UUCP>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 22

>1. Is it legal to communicate via repeater in a band for which you are
>   not licensed? The specific example that I suspect will become a common
>   question is 2m->10m repeaters. Previously, there was no class of Ham
>   operator that was licensed for 2m but not 10m... but the codeless tech
>   cannot operate 10m. Can she operate 10m via the aforementioned repeater?

Actually, this situation *has* existed before; back before the Techs were granted Novice HF priveleges. I believe that the answer then was yes, a Tech could use such a machine, as the Tech was transmitting only in a band for which he or she was licensed, and so was the repeater (the "privileges" of the repeater being derived from those of its licensee (and/or control op?)). This is just like you as a Tech talking to someone via my station with me (an Advanced) at the controls; your license class doesn't matter, it's mine as station licensee and operator which determines whether we're legal or not. (Or else non-hams would never be allowed at the mike!)

Or am I completely wrong about all this?

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
myers@fc.hp.com                          |  sentient life-form on this planet.
```

From -666051059554076848
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,541c96eec544fa26
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 16:05:53 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: CAPACITORS, RESONNANT FREQUENCY, R7000 to NRD 525
Message-ID: <18230055@hpfcdj.HP.COM>
Date: 4 Jan 91 00:05:53 GMT
References: <410@newt.sbi.com>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 63

>a capacitor in series with the cable. I do not know the impedance of
>the 10.7 Mhz IF output on the R7000 (ICOM does not either) but the
>antenna input on the NRD is 50 Ohms.
>The setup functions (I hear stuff) with a .001 uF capacitor but I would
>like to have a better match:
>

>   - Have the circuit wire-capacitor resonant at 10.7 Mhz to get
>   the maximum current through and also act as a filter.
>   - Have the impedance matched at 50 Ohms.

In the situation you describe, you want the coupling capacitor to be a low impedance (relative to the load) at the frequency in question, namely 10.7 MHz. "Matching" the cap to the cable is not a concern; rather, you want to match both the total output impedance of the R7000's IF stage (if only you knew it) and the NRD's input (known to be 50 ohms) to the cable. Since you don't know the R7000's IF output impedance, we won't worry about it for the moment; it won't really matter that much anyway, since with a 50 ohm cable feeding a 50 ohm load, there will be no reflections from the load end anyway. (And these aren't really that big a concern in the first place; you're really only concerned about matching to the source - the IF output - to get the best power transfer. But more on that later.)

With that said, let's just choose a cap which will meet the requirement of low impedance at 10.7 MHz. For the cap to be 1 ohm or less at this frequency, it should be greater than about 150 nF (0.15 uF). You also want a cap of this value that can still be expected to be a cap at this frequency; in other words, it should have a self-resonant frequency well above 10.7 MHz. Find a good ceramic or mica 0.2 uF cap, and mount it at the R7000's IF output, keeping the leads as short as possible. Connect the coax to the other side of this cap, and the closest ground available.

>1- What is the formula that gives the resonant frequency of a capacitor?
>The formula giving the resonant frequency of a circuit,
>f=1/(2*PI*SQR(L*C)) lets me wonder what value I should take for L
>Should it be the impedance of the coax (50 Ohms).
>The ARRL Handbook has a table of resonant frequencies for capacitors
>and specifies the length of the leads, but that table does not have

As mentioned above, you do not want the cap to have a reactance of 50 ohms; it should be much lower. There is no "resonant frequency" for a cap by itself, unless you count the lead inductance (as the ARRL tables show). This gives the self-resonant frequency, which is not of interest here except that we want the self-resonant point to be much higher than 10.7 MHz. (Above the self-resonant point, caps act like inductors; the capacitive reactance has become small compared to the inductive reactance of the leads, which then *increases* with higher frequency.)

One possible problem, though, is that you may be coupling *too much* signal from the IF output to the antenna input; there's typically much higher signal levels in the IF than an antenna input would expect. This can actually degrade the performance of the receiver, as the front end would overload. If you can, you may wish to connect the signal into the second receiver later in the front end, or add some attenuation prior to coupling the signal to the antenna input.

The ARRL _Radio_Amateur's_Handbook_ is a very good source for further information on these topics. I'd suggest looking for it in your local library.

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
myers@fc.hp.com                          |  sentient life-form on this planet.
```

```
From 5699766907951396217
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5fc35e3604be978e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 16:06:32 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: Ground Plane for my CB antenna
Message-ID: <18230056@hpfcdj.HP.COM>
Date: 4 Jan 91 00:06:32 GMT
References: <B12yu1w163w@ozonebbs.UUCP>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 38
```

>I am setting up a CB in my house, and I am having problems with a ground
>plane. The equipment works fine in my car, so I know its not broken or
>anything. I want to put the antenna on my roof, but I am having trouble
>finding a good ground plane. The manager at Radio Shack suggest getting a
>peice of sheetmetal for a ground plane. How big should I make the sheet
>metal?

At a minimum, 1/4 wavelength radius, centered on the antenna. (At CB frequencies, that's about 109", or a bit over nine feet.) But you don't need a solid sheet; several "radials", or grounded wires of about this length stretched radially from the grounded mount at the base of the antenna, will work just as well and be a whole lot simpler. You've probably seen the CB "ground plane" antennas, with a 1/4 wavelength vertical whip surrounded by 3 or 4 drooping horizontal elements of about the same length - those sorta-horizontal elements are the ground radials.

For a home installation, you'd be much better off making a full-length 1/4-wave whip than using a loaded mobile antenna (the kind with a coil in the middle or at the base), and at least 3 or 4 ground radials (the more the merrier; keep 'em symmetrically spaced about the vertical element, i.e., if you have four, they should be 90 degrees apart.   "Drooping" the radials slightly - as you see on the commercially-made base antennas - raises the feedpoint impedance slightly for a better match to 50-ohm line (a vertical whip with a "perfect, flat" ground plane has a feedpoint impedance of about 37 ohms).

Another option would be a half-wave dipole (about eighteen feet overall at the CB frequencies) mounted vertically; this'll only work, though, if you can keep the bottom end as well as the top well off the ground and away from any conductive structures such as towers.

(Obligatory plug for ham radio - have you heard about the new no-code

Technician license? Now may be a good time to consider "stepping up" from
CB!)

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
myers@fc.hp.com                          |  sentient life-form on this planet.
```

From -5676491938792772172
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-03 16:27:35 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!mips!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: Rumors of ARRL appeal on No-Code
Message-ID: <3084@wyse.wyse.com>
Date: 3 Jan 91 17:58:38 GMT
References: <886.277E1926@w8grt.fidonet.org> <3082@wyse.wyse.com>
<418@ultrix.uhasun.hartford.edu>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 19

In article <418@ultrix.uhasun.hartford.edu> jbloom@uhasun.hartford.edu (Jon Bloom)
writes:
>Steve! I thought you understood how it's supposed to work. Whenever
>the League does something that is the will of the majority but with
>which you disagree, the League is guilty of lack of leadership. But
>if they do something that is _not_ the will of the majority and with
>which you disagree, then the League is guilty of being antidemocratic
>and fascist.
>
>I thought you knew that! :-)

>Jon Bloom, KE3Z | American Radio Relay League

Gee Jon,

I wish people like Rod, KB6ZV, had explained that too me before
I ran for office... Thanks for finally setting me straight.... ;-)

73's de Steve KA6S

From 1571370881101443636
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab23c8fb579db865
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1991-01-03 16:30:10 PST
Path: gmdzi!unido!mcsun!uunet!world!ksr!tom
From: tom@ksr.com (Tom Varga)
Newsgroups: rec.ham-radio
Subject: Re: Comments needed on a YEASU FT-757 GX II
Message-ID: <TOM.91Jan3143304@bigfoot.ksr.com>
Date: 3 Jan 91 19:33:04 GMT
References: <9101031728.AA15712@ucsd.edu>
Sender: news@ksr.com
Organization: Kendall Square Research, Waltham, MA
Lines: 40
In-reply-to: IANR003@UNLVM.BitNet's message of 3 Jan 91 09:51:11 EST

I have had the radio that you are looking into for almost a year. Basically I like the radio but I do have a few complaints.

First of all, I use it alot for mobile and the green LED display is worth crap in a bright sunshine, which is most of the time that I am on the road.

The thing that I dislike the most is the way you have to switch modes between CW/AM/LSB/USB/FM etc. It uses to buttons to progressively choose from one to the next. When I drive, it is a pain to have to press the right button (which is not lit at night) 5 times to go from FM to USB. I do this a lot on 10 meters.

Measureing SWR is even a bigger pain. The control is way in the back and is very difficult to get to, especially in the car.

I also had a chance to compare how the VFO on an ICOM works compared to the Yaesu. The Icom is velocity sensitive. In other words, the faster you turn the VFO know, the frequency change is accelerated. Very convenient to get from one band edge to another. I sorely miss this in the Yaesu.

Finally, I think that the way memories are programmed is a bit schlocky. I don't know how the other radios work but my ICOM HT is much easier to use.

Don't get me wrong, I do like the radio and it does perform very well. But next time I will probably go with an ICOM. I think that it's worth the few extra bucks.

Good Luck,
Tom

```
--
================================================================================
= Tom Varga N2UA/1                617-895-9415          packet : N2UA @ KA1MGO =
=                  tom@ksr.com                     uunet!ksr!tom               =
=   There's never time to do it right, but there's always time to do it over.  =
================================================================================
From -5348865483368143424
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c9285f150c321a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-28 10:56:24 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!rpi!uwm.edu!ogicse!
emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Thanks for the traffic...and now something really important :-)
Message-ID: <1739@ke4zv.UUCP>
Date: 28 Dec 90 15:57:34 GMT
References: <25337@ucsd.Edu> <X3ouu2w163w@phoenix.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 46

In article <X3ouu2w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
>
>brian@ucsd.Edu (Brian Kantor) writes:
>
>> When I'm struck by the poor English in an article on the net, I usually
>> look up to the headers to see if the posting* originated from a
>> non-English speaking country, or someone whose name might indicate that
>> English is not his native language.
>
>   Yes, by all means, judge people based on the country they live in, or
>the "ethnic" content of their name. DON'T EVER consider that the net is
>an informal medium of exchange, and that poorly spelled words DON'T mean
>poorly formed ideas. Forget the fact that there are some pretty rotten
>keyboards. Forget the fact that some English words just do not spell
>right. Forget that the world has become a small place, and people can
>move about -- some of those people from non-English speaking countries
>even move to the U.S.. Some of them even anglicize their names. Forget
>that there are few, if any, people who are payed to post to the net, and
                                            ^^^^^
Could you possibly mean *paid*?
I also correct the spelling and grammar in my boss's memos and repost
them. He loves me. :-)

>thus most people must do it in the limited time they have. Demand that
>every post go through a peer review process to remove spelling errors
>and logic flaws. Make all them damn foreigners hire someone to write
>their posts for them, so that YOU don't have to think.

Seriously, it only takes a moment to run your article through the
spell checker before exposing it to the world.

>> Sloppy writing indicates sloppy thinking.
>>   - Brian
>
```

> Sloppy thinking indicates sloppy thinking. Sloppy writing indicates
>sloppy writing. Poor spelling indicates poor spelling. Cute homilies like
>yours are just your justification for dismissing any ideas you don't like
>without any thought at all.

Usenet is a written medium. The impression you create by your writing habits is the only view most readers will ever get of you as a person. If your writing habits are untidy, muddled, and indicative of a poor education, then your ideas are also suspect. This may not be fair, but it is the way it is.

Gary KE4ZV

From 5591048990818516465
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38c4eaa8309c5b10,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,38c4eaa8309c5b10,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-28 13:08:23 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!apple!usc!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: RE: EQ for Microsats, DSP, etc.
Keywords: Equipment for Microsats, DSP, tips
Message-ID: <839@idacrd.UUCP>
Date: 28 Dec 90 20:16:51 GMT
Organization: idacrd, princeton, nj
Lines: 142
Xref: gmdzi rec.ham-radio:18514 rec.ham-radio.packet:3300

From article <1722@ke4zv.UUCP>, by gary@ke4zv.UUCP (Gary Coffman):
>
> I'm using the G3RUH design from Radiokit. The modem went together easily.
> It tuned up cleanly. And it works. I did have the advantage of a spectrum
> analyser, dual trace 200 Mhz scope, and a frequency counter to make it
> play, but these shouldn't be necessary. The Paccomm unit seems to be
> a solid unit, but I haven't had any personal experience with it.
>

I believe this is inadequate if you wish to use omni's. If you want to save $100 over the cost of the PacComm PSK-1 and you wish good BER performance out of omni antennas, get the TAPR kit. TAPR is in Tuscon and I have forgotten the address and phone number.   I probably should keep a copy of that here on my email machine at work, but I always manage to forget. If you are using omni's and have not compared results with a correctly tuned PSK modem from TAPR and/or PacComm (the paccomm is a licensed variant of the TAPR box), then I suggest you do so. The problem with the G3RUH is that it assumes a good SNR at all times. It is an all digital design and hard limits the signal as it comes into the box and then does a squaring loop demodulator. While the latter is theoretically equivalent to a Costas loop demod (as in the TAPR/PacComm), in practice it is almost never equivalent. Good lowpass filters are just inherently easier to do than bandpass of the same Q. Hard limiting is theoretically only 2.2 dB or so worse than not hard limiting. This is in the presence of white Gaussian noise. The noise out of most SSB radios is neither Gaussian or white. All taken together this leads to a 10 dB worse implementation loss of the G3RUH design over the TAPR. If you have not yet purchased a modem, and you do not yet have gain antennas, I strongly suggest that you consider another possibility and not use the G3RUH. If you have gain antennas already, there is so much link margin from these very loud satellites that the G3RUH is at no disadvantage except during the deepest fades and I would decide only on the basis of which is cheaper. On Gary's other comments concerning converters we are in complete agreement. Jan King and I have begun using discone with amazing results and I should be reporting on that soon enough.

Truth in advertising requires me to tell you that I get a royalty as one of the designers of the PacComm PSK-1. I am not sure but I believe the price of the kit from TAPR and the price of the kit from Radiokit are comparable. On that basis, if I were going to do a kit, I would do the one with the best performance but this is from vague memory. I would check the current prices.

Gary and I are not talking about the G3RUH 9600 bps modem design which is currently the best commericially available modem for 9600 and is available from Kantronics and PacComm. I believe it is called the NB-96. James has done a beautiful job on this. It is the only commercially available full duplex 9600 bps direct FSK ham modem.

(Is that enough adjectives or what?)

> The main thing you may need is a "mode J" filter to keep the 2 meter
> signal and it's harmonics out of the converter. Spectrum International
>
> Gary KE4ZV

I couldn't agree more. They are simple to construct and easy to tune. One is especially desirable if you wish to try omni's. Do not expect to have good luck with the omni's for at least a month. We just released the BBS on the microsats and they are extremely oversubscribed. Gary and I contend for the uplink at least twice a day! An omni station will work with the microsats after the AO-13 boys and girls quit using 1 Kw eirp (or more). I strongly believe that it takes more work to make an omni station work but considerably less money. You simply must do everything right. No desense from the 2 meter transmitter can be tolerated. A good preamp, that doesn't collapse from proximity to the 2 meter transmitter is required. Your deviation must be about 3 Khz. It is amazing to me out much better the throughput is into the Microsats with 3 Khz deviation than you get from 5 Khz. The filters are a little tight for the beginning and ending of the orbit if you are not tuning your uplink to compensate for doppler. The phase group delay at the edges is worse than we desired. Get away

from the edges and the filters are beautiful. The receivers in the Microsats are especially sensitive to overdeviation. If you are digipeating through the satellites, you can sometimes see two packets from you when you only sent one. If this occurs very often, you are overdeviating. I run my `mike gain' or modem output level at a setting so that when monitoring my signal on another receiver, it sounds a little weak in audio. You will not be weak at the satellite if you do this. Remember this is a carrier, and you are modulating the frequency with Manchestered NRZI data. In a correctly designed FM tranmitter, there is little or not AM modulation. Since I regularly load code to the spacecraft, I have a monster uplink, which I cut back to 8 watts to my gain antenna when I am not loading code. This works out to be about 100 W eirp. Even this is too much.
After I cut back the deviation, I have yet to see one of my packets doubled or the spacecraft respond that it heard me on the wrong channel. (It does this inside the response to bootloader commands).

Attention please!

I still have trouble getting stuff in past the folks who refuse to look and listen to see if the bird is operating or being loaded.

>ROM replacement. I wouldn't bother with the multimode wonder boxes. The
>compromises inherent in a do everything box mean that they do nothing
>particularly well. Also, the external modems we are talking about are
>specifically designed to interface with the TNC2 and tying them to one

Most TNC's running later versions of the ROM have KISS built into them. All one needs do is to say KISS ON. In some tnc's, this must be followed by a restart. To get out of kiss mode, a special command string must be sent to the TNC (KISS command 255) which will return the box to regular operation.

As for `do all boxes' being comprimises, with the PK-232 you are correct, as well as MFJ 1278 and KAM. Let's consider the PK-232 since you mentioned. it. The use of 200 Hz shift on baudot is an example and the noise performance of the Baudot demod suffers from the use of the BEL-103 receiver filters in a filter / slicer discriminator. Hooking up the external modems to this is a real pain as well. However, with the new DSP style `do all boxes' I can assure this is an incorrect statement. The baudot modem I just finished for the DSP-2232/1232 outperforms any I have tried and the PSK modem for PACSAT is second to none. The AO-13 demod copies reliably through spin mod fades and I use it daily to talk AMTOR and to UO-14 using the G3RUH 9600 bps modem. All are within 0.1 dB of theoretical performance. The day of the do all boxes being comprimises are almost over. There are things these units cannot, and will not do. 56 Kbps is completely out of their range at this time. The analog front ends, made up of programmable filters, are incapable of being tuned up to running with a 100 Khz bandwidth signal. Indeed, the A/D's will not run faster than 100 Khz. TAPR/AMSAT has finished its design and I have a Beta board to port the modems I have done for the TMS320C10 board we began all this with to that board. Lyle wants this out the door now. So do I, if for no other reason than to stop people from wasting their money because of fancy ads for vaporware. If you want a cheaper alternative to the AEA box, and will settle for slightly less capable hardware and/or you want it to plug it into your PC, wait a little while for the TAPR/AMSAT board. If you want the do all multimode then the AEA is the current best bet. Don't ask me for shipping dates. Call AEA and TAPR.

Gary's advice in all other respects is good and he is a very active user of the birds (I get to see the log files ;-).

Bob McGwier
N4HY
--

```
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

```
From -6795029481357562456
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,45debad4f29b5336
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,45debad4f29b5336
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-28 13:08:29 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!julius.cs.uiuc.edu!wuarchive!udel!
princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: UOSAT-14 information request
Message-ID: <838@idacrd.UUCP>
Date: 28 Dec 90 19:26:12 GMT
References: <756@kb2ear.UUCP>
Organization: idacrd, princeton, nj
Lines: 46
Xref: gmdzi rec.ham-radio:18515 rec.ham-radio.packet:3301
```

From article <756@kb2ear.UUCP>, by n2aam@kb2ear.UUCP (Dave Marthouse N2AAM):

>
> to know if the new DSP devices will be able to handle the uosat modem
>
> Dave Marthouse
>
> kb2ear!n2aam@princeton.edu
>

Dave:

I have in use daily the AEA DSP-2232 running a UO-14 modem.

A UO-14 modem is 9600 bps direct FSK. What that really means is that you put shaped data on the modulator of in a true FM radio. You take the data for receive directly from the discriminator in your FM receiver.

Since you do not wish to have much in the way of a DC bias in the bits to be received or transmitted, the data is sent through a circuit called a scrambler. This is not in use as an encryption device, since their is no cryptovariable, and since it is self synchronizing.

There are several ways to go. The cheapest is to buy one of the many variants of the G3RUH 9600 bps FSK modem. It is the best commercial modem available to do this job. Both Kantronics and PacComm have variants of it. The other is to wait for the DSP boxes to be released as they will do this and more. I have a G3RUH (which I loaned to someone else) and have not had a chance to use it on the satellite. Others that are on the satellite are almost exclusively using the G3RUH.

The uplink for UO-14 is 145.970 and the downlink is 435.075, please compensate for doppler. You should be able to copy this extremely loud signal with omni and your FM receiver (if it can tune 435.075). You will see the S meter rise and the noise get quieter. What I mean by this is that 9600 scrambled data sounds like `quiet FM noise' is the best way I can describe it.

Did I help?

Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From -282826926314991562
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f8c47b402c97be5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-28 13:36:33 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Crossed Field Antennas (long; for nerds only)
Keywords: Poynting, Maxwell, Hertz, Pons, Fleishmann
Message-ID: <47621@apple.Apple.COM>
Date: 28 Dec 90 21:19:02 GMT
Organization: Apple Computer Inc., Cupertino, CA
Lines: 79

Just when you think it is safe to go back in the water...
Just when you think the Crossed Field Aerial has gone the path of Cold Nuclear Fusion...

Hately (GM3HAT) and gang has another article on the CFA in the

December issue of Wireless World! (Hey, Paul Nix, Ron Todd, and others, are you reading this? :-) :-)

For those who have not been following the CFA since April 1989, the CFA is based on separately generating the E and the H fields using different antenna elements and assume that E x H to form the Poynting vector just "happens" through mathematics. (All classical notion of an antenna have the same piece of metal, e.g., a 1/2 wave dipole, generating both the E and H fields.)

Those who passed their tests by memorizing the FCC question pool can hit "n" now. You can't really buy a working CFA from HRO yet. :-) :-)

The Hately gang has apparently gone to a monopole-like configuration of the CFA. Imagine the original symmetrical CFA. Chop it into two equal halves, throw away one half and place the remaining half over a ground plane.

Now get this: the ground plane is only 1 metre square at HF (I nearly fell off of my chair :-).

Their reason for preferring this configuration is because they claim that ground reflections would cancel out signals from the opposite set of elements.

Another thing mentioned is how critical the phasing between the E-cylinder and the D-plate are. So, I gather that the antenna itself may be broadband, but the phasing unit is not. Nevertheless, they showed a Smith chart plot of the impedance at the transmitting end of the phasing unit that looks like it would translate to a VSWR of less than 1.2:1 across the entire 15m phone band. Not bad. I can live with that. They also mentioned that you can get 1.5:1 across the entire 80m band.

There are sketches and photos of the new CFAs, but no diagram of the phasing unit. The phasing unit is described, though, as a power splitter that feeds equal power to the E-cylinder and D-plate with an advance of 45 degrees in one case and retarding 45 degrees in the other. They seem to claim that you only need to get to 45 degrees to within a degree or two.

The authors also made some claims about the size of the "inteaction zone" where the Poynting vector synthesis takes place. They also modeled a 1/2 wave dipole the same way to show where it's "interaction zone" is (i.e., where the E and H of the dipole are "properly" phased) and claim that that is where the 1/2 wave dipole really puts out it's "stuff." From this, they claim that since the CFA provides a small source wavefront, that very small reflectors (1.5m dish at 21 MHz) can provide both gain and front-to-back, and believe that the old paradigm of requiring reflectors to be the size of a waveLENGTH be changed to requiring it be the size of a waveFRONT, instead.

Now, the claim is (otherwise it would violate the reciprocity theorem, now, wouldn't it? and they would have to invent new Physics; not that they have not already!) that the thing works just as well as a receiving antenna. What I don't get is: how the heck can you get more that a 6 dB improvement over each of the two chunks of metal (one is a disc 40 cm in diameter; the other is a cylinder 20 cm in diameter and 25 cm tall) by themselves. Each of those chunks hardly constitutes an element with a decent aperture area. An extreme case of the "supergain" condition for antenna arrays?

Well, break-through or snake-oil? You decide by reading the article yourself. Wireless World is *always* worth reading, in any case. Just don't flame (shoot) *this* messenger! Anyway, watch for fireworks in the Letter to the Editor in subsequent issues of Wireless World.

73,

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From -5605829691683211670
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e08385f11a5074e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-28 16:06:24 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!SACEMNET.AF.MIL!812spg
From: 812spg@SACEMNET.AF.MIL ("812SPG")
Newsgroups: rec.ham-radio
Subject: PRO-2006 Modifications (Thanks!)
Message-ID: <9012282317.AA19701@ucsd.edu>
Date: 28 Dec 90 23:11:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 39

Many thanks to those that posted or E-mailed instructions for PRO-2006 modifications (particularly Manwai and Paul). I have made the necessary modifications and everything works "as advertised"!

In case there are other PRO-2006 owners who might also be looking for the cellular restoration (and a scan/search speedup) modification, I've enclosed the instructions which I received via E-mail. These modifications are VERY simple and quick.

> Hello,

> I too just purchased a PRO-2006. That same day, I made the mods....
> It took all of 5 minutes....

> Remove the top 2 phillips screws in the back of the unit.
> Slide off the top cover.

> Locate two diodes... directly behind the "3" key on the keypad.

> The diodes are D502 and D503 (you'll notice an empty spot between them...
> which doesn't really make any sense since there is no gap in numbers
> between D502 and D503 ... but anyway...)

> Clipping D502 restores the cellular band.
> Clipping D503 increases scan speed by 16% to 15 and 30 channels per second.

> Have Fun.....
> Paul Kopp

> -------------
> This information was obtained from the October 1990 issue of Monitoring
> Times.

Once again, thanks to those that responded with the quick help!
Larry Zielasko, Security Police Automated Systems Administrator
812th Security Police Group
Ellsworth Air Force Base, South Dakota

INTERNET: 812spg@sacemnet.af.mil

From -7324132899568022175
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bf49a6ca5cd8b781
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-28 16:07:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!evax!utacfd!merch!cpe!stevedak
From: stevedak@cpe.UUCP
Newsgroups: rec.ham-radio
Subject: Re: Need Webersat Image
Message-ID: <37400016@cpe>
Date: 28 Dec 90 19:14:08 GMT
References: <14035@truevision.com>
Lines: 13
Nf-ID: #R:truevision.com:14035:cpe:37400016:000:316
Nf-From: cpe.UUCP!stevedak   Dec 28 07:41:00 1990

>I have read about the Webersat satellite and the great full color images of
>the earth that it has been transmitting, but I have never SEEN any of these
>images. Does anyone have one of these images in GIF or some other format that
>I can look at??

>Thanks,
>David Spoelstra

Ditto the above.

Steve Dakin

WQ5N

From -889476527096867617
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c9285f150c321a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-28 18:44:46 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: Thanks for the traffic... <now let's drop it>
Message-ID: <Nw4wu1w163w@phoenix.com>
Date: 29 Dec 90 01:41:58 GMT
References: <1739@ke4zv.UUCP>
Followup-To: alt.flame
Lines: 78

gary@ke4zv.UUCP (Gary Coffman) writes:

```
> In article <X3ouu2w163w@phoenix.com> I write:
> >that there are few, if any, people who are payed to post to the net, and
>                                             ^^^^^
> Could you possibly mean *paid*?
```

One of the dictionaries I have lists "payed" as an obsolete spelling for "paid". Obsolete, as in old, not wrong.

Are you telling me that you have so much trouble with anything that is not spelled exactly as you want to see it that you actually had trouble understanding what I wrote? Is it not completely clear from the context of the sentence what I meant (ignoring the fact that "payed" is a valid spelling)?

> I also correct the spelling and grammar in my boss's memos and repost
> them. He loves me. :-)

Your boss's secretary should be doing this for corporate memos. Corporate memos are the formal written communication of the company. If you are altering memos over your boss's signature you are forging corporate communications. It is lucky your boss loves you -- if he didn't he would fire you. I would.

> Seriously, it only takes a moment to run your article through the
> spell checker before exposing it to the world.

Seriously, you have no idea how long it takes to do something here. Why are you are qualified to tell me how hard or easy it is to do something? Do you actually think every place in the world is just like where you are, and has the same utilities that talk to each other in the same way?

Please enlighten me on "THE spell checker". Did you mean "A spell checker", or do you not know there are many different ones? Oops, sorry, you have only one, so there must BE only one.

> If your writing habits are untidy, muddled, and indicative of a poor
> education, then your ideas are also suspect. This may not be fair, but
> it is the way it is.

Gee, just a second ago, you say how easy it is to spell check everything. It seems that good spelling is more a case of owning a spell checker than of a good education. Do you really mean you judge people's ideas by whether they have a spell checker or not? Sounds like a pretty stupid criterion to me.

This whole chain is stupid. It is stupid to waste the net bandwidth on nit picking spelling and grammer flames, unless there is a real problem in understanding the message. In all the time I have been reading the net, I have seen only ONE message that was in such unusual English that I could not decipher it. And even then, it does not deserve a flame.

Flaming someone about one misspelled word is just an attempt to prove to the net how smart you are and how stupid the misspeller is. It does not belong on an international network, and it certainly should not depend on how "ethnic" someone's name is. If you want to correct someone, do it by mail. You lose the "everyone look how smart I am" feature of the public flame, but you save the bandwidth.

If you want to continue to judge people by their ownership of a spell checker, or their name, I cannot stop you. Just don't demonstrate your mental superiority by flaming spelling errors. Now, let's stop all this worrying about how things are spelled or slips in grammer and get back to ham radio things.

KING RICHARD: "Come, bustle, bustle; caparison my horse;
Call up Lord Stanley, bid him bring his power."
Richard III, William Shakespeare ACT5 SC3

<And, no, caparison is spelled correctly. Look it up, you'll remember it longer.>

From 4084395442892707622
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3fd80c010de1327f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-28 18:48:27 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)

Newsgroups: rec.ham-radio
Subject: Amateur Radio Callsign on 11M; was: 10 meter rig recommendation?
Message-ID: <857.277BB8EA@w8grt.fidonet.org>
Date: 29 Dec 90 02:41:03 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 27

> From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
> Date: 28 Dec 90 06:23:06 GMT
> Organization: University of Illinois at Urbana
> Message-ID: <1990Dec28.062306.1318@ux1.cso.uiuc.edu>
> Newsgroups: rec.ham-radio
>
> gary@ke4zv.UUCP (Gary Coffman) writes:
>
> >So identifying a station not in amateur service with an amateur station
> >callsign would be the same as IDing with, say, WLS Chicago as the station
> >callsign. It may not be illegal on CB per se, but could be construed as
> >false and misleading signaling, which is illegal in all radio services.

I had the occasion once in connection with a radio club public service event to ask the FCC about the use of tactical callsigns. The answer was, "As long as you ID by the book every ten minutes, we don't care what you call yourselves in between." During the conversation I casually mentioned that a club member used his ham call as a CB 'handle' when travelling. His answer was, "Since hams use callsigns interchangeably as personal names, that makes perfect sense to me." He added a comment to the effect that if the FCC gave a good gosh darn how people ID'ed on CB, they'd still be issuing callsigns.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 6377090625284181028
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3289e813bd1935b1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-28 18:55:20 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Codeless News from ARRL
Message-ID: <858.277BB8F2@w8grt.fidonet.org>
Date: 29 Dec 90 02:41:20 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 23

john@qip.UUCP (John Moore) writes:

>The ARRL represents its members. Since people who like to bash the
>ARRL for old fashioned views don't seem to interested in joining
>it and working from the inside, their views may be underrepresented.

1. I wish someone would take a survey to put accurate numbers on it, but I would guess that the OVERWHELMING majority of ARRL 'members' think of it as subscribing to QST and dismiss the organizational stuff as trivial.

2. People don't bash the ARRL for no reason. People bash the ARRL because it has for decades maintained an unblemished record for screwing up. They have resisted every improvement or advance to come along until after it was obvious that they were the last holdouts.

3. People don't join for a variety of reasons. Mine is I can't afford $30 a year for a magazine subscription.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 7594362388016564544
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5169d8cfc3512433,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-28 19:14:28 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!magnus.ircc.ohio-state.edu!ephillip@magnus.ircc.ohio-state.edu
From: ephillip@magnus.ircc.ohio-state.edu (Earl W Phillips)
Newsgroups: rec.ham-radio
Subject: a sat. tracking program needed
Message-ID: <CMM.0.88.662439045.ephillip@magnus.ircc.ohio-state.edu>
Date: 29 Dec 90 02:50:45 GMT
Sender: news@magnus.ircc.ohio-state.edu
Organization: The Ohio State University
Lines: 14
Originator: daemon@left.magnus.ircc.ohio-state.edu
Nntp-Posting-Host: left.magnus.ircc.ohio-state.edu

Ok, I know a ham out there somewhere has got it, so, please:
I am in dire need of a satellite tracking program, hopefully
in basic, that prompts for the user's lat, long, and keplerian
info of a satellite, then outputs the altitude and time the
satellite will be visible for the observer. Anybody?

```
*****************************************************************
*                                    | ====@====      ///////// *
* ephillip@magnus.ircc.ohio-state.edu|     ``________//         *
*                                    |       `------'           *
*                  -JR-              | Space;........the final  *
*                                    | frontier..............  *
```

****

From -1904353756383267693
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,306795086300e9b5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-28 19:26:47 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: FCC Petition, CB RADIO TRAFFIC ADVISORY CHANNEL [130 lines]
Message-ID: <860.277BC0EB@w8grt.fidonet.org>
Date: 29 Dec 90 03:13:03 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 6

I am still trying to figure out why this thread is in rec.ham-radio.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -4623297443005469358
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6e083d201700a733
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 112d29,6e083d201700a733
X-Google-Attributes: gid112d29,public
X-Google-ArrivalTime: 1990-12-28 20:18:10 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: comp.os.misc,rec.ham-radio
Subject: Re: What should a scheduler do?
Message-ID: <1990Dec29.024545.28630@NCoast.ORG>
Date: 29 Dec 90 02:45:45 GMT
References: <PCG.90Dec16234627@teachb.cs.aber.ac.uk> <1990Dec17.214336.8190@ni.umd.edu> <1990Dec28.021435.11795@quest.UUCP>
Reply-To: allbery@ncoast.ORG.ORG (Brandon S. Allbery KB8JRR)
Followup-To: comp.os.misc
Organization: North Coast Computer Resources (ncoast)
Lines: 33
Xref: gmdzi comp.os.misc:1203 rec.ham-radio:18525

As quoted from <1990Dec28.021435.11795@quest.UUCP> by ssb@quest.UUCP (Scott Sheldon Bertilson):
+---------------
| I've hacked a little on a version of NOS that Anders Klemets ported
| to System V UNIX. It uses shared memory and semaphores. Each
> ...

| overhead of synchronization using semaphores does a good job of
| gobbling up substantially more than a 10 MHz 68010 (my AT&T 3B1).
| I made a change to interlock using a test-and-set instruction
| on some shared memory before trying to get a major semaphore..it
| increased the efficiency of the package enough so that it
| is reasonably snappy, but I've had problems with synchronization
| not working properly, so I can't call it a success.
+---------------

I'm working on a complete reimplementation using Streams for SVR3. It is
based on raw Streams, not the NSL, so it should work on any System V that has
Streams support --- and some that claim not to, like Xenix 2.3.x without the
appropriate network package. (I'm doing this under Xenix 2.3.3.) Of course,
this won't help on a 3B1, which is SVR1 in the kernel.

(Actually, I'm still trying to decide how much I should do at the Streams level
--- should I simply arrange for local sockets and use ordinary programs to do
the real work, or put AX.25, NET/ROM, and TCP/IP in Streams modules and have
the far end be selectable between a "bidirectional Streams pipe" and a real
Streams tty driver? The problem with the latter is that it isn't particularly
easy to implement something like NOS's "ax25 route add" command.)

++Brandon
--
Me: Brandon S. Allbery   VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG   Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR   AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery   Delphi: ALLBERY

From 7026955789178272972
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1cf0d13b8a6feb28
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-28 20:25:02 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!spool2.mu.edu!
news.cs.indiana.edu!msi.umn.edu!cs.umn.edu!sialis!orbit!pnet51!hca
From: hca@pnet51.orb.mn.org (H. Atlas)
Newsgroups: rec.ham-radio
Subject: MARS
Message-ID: <3715@orbit.cts.com>
Date: 29 Dec 90 04:25:02 GMT
Sender: news@orbit.cts.com
Organization: People-Net [pnet51], Minneapolis, MN.
Lines: 6

Thank you for the response regarding MARS. I am contacting only one
of the people who replied, but thank you to all.

UUCP: {amdahl!bungia, crash}!orbit!pnet51!hca
ARPA: crash!orbit!pnet51!hca@nosc.mil
INET: hca@pnet51.orb.mn.org

From 701321461014814089
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-28 21:55:41 PST
Path: gmdzi!unido!mcsun!hp4nl!phigate!philica!geertj
From: geertj@philica.ica.philips.nl (Geert Jan de Groot)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Keywords: NoCode
Message-ID: <725@philica.ica.philips.nl>
Date: 29 Dec 90 00:22:12 GMT
References: <1990Dec17.183401.23317@athena.cs.uga.edu>
<4ea88b70.20b6d@apollo.HP.COM> <1990Dec18.044632.1032@athena.cs.uga.edu>
<4471@lib.tmc.edu> <1990Dec18.234732@envy.bellcore.com>
Reply-To: geertj@ica00.ica.philips.nl (Geert Jan de Groot)
Organization: Philips TDS, Innovation Centre Aachen
Lines: 48

In article <1990Dec18.234732@envy.bellcore.com> karn@thumper.bellcore.com writes:
>In article <4471@lib.tmc.edu>, jmaynard@thesis1.hsch.utexas.edu (Jay
>Maynard) writes:
>|> I wish you were right...but the canonical comment of those who
>operate between
>|> 27.405 and 28 MHz is, "I'd get a ham license if it weren't for that
>#$%@#$^
>|> code." Those people will rush to get no-code licenses. That's what
>frightens
>|> me about no-code, and _nobody_ has yet shown me that that fear is
>unfounded.
>
>Why should it frighten you? I've listened to those guys too, and to
>tell you the truth, I would have a hard time telling them apart from
>"real" hams. The lingo is the same, the conversation topics are the
>same, the equipment is even the same. :-)

Yes! As I and others have said before, experiences from countries that
do have no-code licenses, for many years now, show that this simply
doesn't happen. After a while, you will find that LIDs equally divided
in all license classes. A number of local people I would call 'difficult'
(nor does any other test, IMHO).
have a full ticket here. The code test doesn't make a difference.

What will change next year?
If the amateur literature printed by a ham union is representative
for the work done in that country, then I guess UHF/SHF activity
will go way up. That is a Good Thing.

What will turn people away is a negative attitude. If you have a problem
with certain people, just QSY and keep everybody happy. Fortunately, there
is still enough frequency space left to do that. Even, you American people
still have a big allocation advantage.

Getting a whole flood of new people will put some pressure on the patience
of everybody.
Just wellcome the new people with a positive attitude, friendly point them to
the operation errors they make (like you made them in your first QSO),
and after a while you will find out that there are many people
for who you're glad they joined the radio service.

Real hams don't get mad at somebody with a bad fist. They will try to make
the code of that person better. The same thing applies here.

Best wishes for 1991! 73,

Geert Jan PE1HZG

From 815172372871389773
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,951be6b86c0a85ff,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,951be6b86c0a85ff,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,951be6b86c0a85ff,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-12-28 22:07:20 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!rutgers!ka2qhd!ka2raf
From: ka2raf@ka2qhd.UUCP (Chris Crosby KA2RAF)
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.shortwave
Subject: NEEDED/WANTED: CQ Boomless Quad Antenna article
Keywords: antenna issue from 1981-1983 April-June sometime
Message-ID: <389@ka2qhd.UUCP>
Date: 28 Dec 90 22:21:20 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 11
Xref: gmdzi rec.ham-radio:18527 rec.ham-radio.swap:882 rec.radio.shortwave:3252

I am in need of a copy of The Boomless Quad article that appeared in CQ
mag. somewhere between April-June of 1981-1983. I am not sure of the date
exactly but I am sure it was in CQ because I built it some years ago.
If anyone has the issue in question, I would like to arrange for a copy
of it. I am particularly interested in the dimensions since I would like
to rebuild the elements and put it up. Please contact me via e-mail or
write me at: P.O.Box 1286 Lakewood, NJ 08701
AMPR: KA2RAF@NN2Z.NJ.USA
I am willing to pay any expenses for the copying/postage
Thanks very much, 73 de Chris

From -6133576755149182102
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4183301aa1102b3a,start

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,4183301aa1102b3a,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-12-28 22:07:25 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!rutgers!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: * SpaceNews 31-Dec-90 *
Keywords: MicroSATS, BADR-1 Decays
Message-ID: <390@ka2qhd.UUCP>
Date: 29 Dec 90 04:18:34 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 99
Xref: gmdzi rec.ham-radio:18528 sci.space:18626

SB SPACE @ ALLBBS < KD2BD $SPC1231
* SpaceNews 31-Dec-90 *

Bulletin ID: $SPC1231

=========
SpaceNews
=========

MONDAY DECEMBER 31, 1990

SpaceNews originates at KD2BD in Wall Township, New Jersey, United States. It is published every week and is made available for unlimited distribution.

* UoSAT NEWS *
==============

The launch of six microsatellites designed and built by dedicated amateur radio operators from around the world was the most significant amateur satellite news event in history. These six microsats flew as secondary payloads on the European Space Agency's V-35 mission on 21-Jan-90. Twelve minutes after liftoff, the Ariane launch vehicle placed these six satellites into Earth orbit. UoSAT-3 and UoSAT-4 alone carried a total of 9 microprocessors and 5000 kilobytes of RAM. That's more computing power than had ever been launched by one rocket!

UoSAT-3 (OSCAR-14) carries a 16-bit embedded microprocessor controller with 4.5 megabytes of RAM. UoSAT-4 (OSCAR-15) carries the first Transputer parallel-processing microprocessors in space. UoSAT-3 is currently being used to test new "PACSAT" communications software. UoSAT-3's PCE uses a multi-tasking operating system created by Quadron, Inc., which was specifically designed for communications intensive systems.

UoSAT-4 (OSCAR-15) carries three microprocessors and a CCD Earth imaging camera. Parallel processing available on the spacecraft will provide high-speed compression of camera images. Tests of radiation tolerance of the Transputer chips used will also be made.

* ITALIAN MICROSAT *

Work continues in Italy on a new microsat amateur satellite. During the first week of December, the transmitter module, BCR module and CPU were all integrated and the PHT software was run succesfully, controlling each different module. The PSK transmitter has been tested at varous power settings, showing excellent linearity and the telemetry frames has been received by many stations in the 50 km radius of Rodano (Italy), where the engineering unit of the spacecraft is being integrated. A completed unit is expected to be ready by the end of Janaury after all tests are complete.

* BADR-1 DECAYS *

BADR-1, a Pakistani satellite launched by the People's Republic of China earlier this year, decayed in the Earth's atmosphere between 08-Dec-90 and 09-Dec-90. BADR-1 transmitted telemetry using an FM carrier in the 2-meter amateur radio band on frequencies of 144.030 and 145.825 MHz. It was never determined why this spacecraft used amateur radio frequencies for its downlink of telemetry since it clearly was not an amateur satellite.

* TNX QSL! *

A special thanks to all those who sent e-mail messages to SpaceNews:

DL5SBS, K8VDU, WA2ISE, WA2TMF, WC1L, RW3DZ, ZL2AXJ

* FEEDBACK WELCOMED *

Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

INTERNET : kd2bd@ka2qhd.de.com
PACKET : KD2BD @ NN2Z.NJ.USA.NA
UUCP : ...uunet!rutgers!ka2qhd!kd2bd

MAIL : John A. Magliacane, KD2BD
Department of Electronics Technology
Advanced Technology Center
Brookdale Community College
765 Newman Springs Road
Lincroft, New Jersey 07738
U.S.A.

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        << All The Best Wishes For A Healthy And Happy 1991! >>

/EX
--
John A. Magliacane                 FAX  : (908) 747-7107
Electronics Technology Department  AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College        UUCP : ...!rutgers!ka2qhd!kd2bd
Lincroft, NJ  07738  USA           VOICE: (908) 842-1900 ext 607


From 6014491147644615739
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2e08a9db0565a221,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-28 22:33:34 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!jarthur!nntp-server.caltech.edu!slr
From: slr@trixie.caltech.edu (Steve Rhoades)
Newsgroups: rec.ham-radio
Subject: Can an Icom 4AT be modified for 450 Mhz ?
Keywords: Icom 4AT Modifications
Message-ID: <1990Dec29.060623.16997@nntp-server.caltech.edu>
Date: 29 Dec 90 06:06:23 GMT
Sender: slr@nntp-server.caltech.edu (Steve Rhoades)
Organization: California Institute of Technology, Pasadena
Lines: 17

I have an old Icom 4AT which has been collecting dust for several
years now (remember when radios had thumbwheel switches :-).

The production company I work for uses low-power 450 & 455 Mhz xmitters
as sort of a wireless intercom.  I was wondering if there's a way to
easily shift everything "up" by 10 Mhz and have the Icom cover 450-460 Mhz
instead of 440 - 450 Mhz.

Please, I'll just be using it for reception so no flames about
FCC Type acceptance :-).

On a related note, I missed the ALLMODs post that was here awhile back; Is it
FTPable ?  I checked Simtel-20 and couldn't find it.

--
Internet: slr@caltech.edu           | Voice-mail: (818) 794-6004
UUCP: elroy.jpl.nasa.gov!tybalt!slr | USmail: Box 1000, Mt. Wilson, Ca.  91023


From -6287833813433104052
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b854d1c5f6dec097,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-28 23:56:11 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!SACEMNET.AF.MIL!812spg
From: 812spg@SACEMNET.AF.MIL ("812SPG")
```

Newsgroups: rec.ham-radio
Subject: Question
Message-ID: <9012290737.AA00765@ucsd.edu>
Date: 29 Dec 90 07:33:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 2

$%@#R$%
            %@##

From 8660065950201209670
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b854d1c5f6dec097
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-28 23:56:13 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!SACEMNET.AF.MIL!812spg
From: 812spg@SACEMNET.AF.MIL ("812SPG")
Newsgroups: rec.ham-radio
Subject: Question
Message-ID: <9012290737.AA00790@ucsd.edu>
Date: 29 Dec 90 07:35:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1

$%@#R$%

From -7491726613794639490
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,797eb7e9e09bc161,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-29 01:57:15 PST
Path: gmdzi!unido!mcsun!uunet!samsung!umich!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.ham-radio
Subject: Will the codless license save ham radio (ARRL BASHING)
Keywords: bash bash bash
Message-ID: <1990Dec29.070135.12514@lopez.UUCP>
Date: 29 Dec 90 07:01:35 GMT
Organization: Great White North/UPlink - Marquette, Michigan
Lines: 97

After listening to all the belly aching about the codeless license, I decided it is time for the Eccentric Old Hippie to toss in his dos centavos.

It seems that even the opposing sides in the 14.313 war are unified in their hate for the idea of a codeless license, and are bemoaning WHAT WILL BECOME OF HAM RADIO (Hawr hawr just listen to 14.313 for a few days and you will realize it can not get worse than THAT)....

I think the FCC is one heck of a lot smarter than those old rickity coots at ARRL. The code free license that ARRL proposed would have brought in NO ONE. Plain and simple, that ticket had no value, and the FCC is wise enough to see that. Here are these grinchy coots wanting to hang on to all the "good stuff" like 2 meters for themselves.

WHAT ON EARTH FOR? Maybe there is a lot of fascinating 2meter discussions where YOU live, but my experience is that NEW BLOOD is NEEDED, and without this transfusion, the patient is gonna die.

I have a 2 meter all mode radio. I can tune it from one end to the other most of the day and hear NOTHING. Granted I live in the hinterlands, but I got this radio for $100 (some folks say I stole it from the other op) because the guy who had it could find no one to talk to. HE LIVES IN CHICAGO.

I have two friends who I work on this radio SIMPLEX. I guess that makes it worth the $100.

I also have a CB. (EEEEEEEEEEEEEEK) On there I talk to about 6 very conversant folks about all sorts of fascinating topics. We have talked for HOURS AND HOURS on 27275. For at least three years, I have been pestering them to get ham tickets. They all have scanners and shortwaves and they listen to me talk to my ham friends, and also follow some of the more off the wall nets that I am a member of. They find it interesting, but none of them ever got sufficiently motovated.

Until now.

One of the group has already stated that come february he will be taking the plunge. I am figuring that once HE does, several of the others in the 27.275 group will also join in (There are THREE of us in the group that are already hams, but find the CB group more handy)

When I was a KID I thought the ARRL was great. They provided me the study guides, and back then QST was something a person did not need a bank loan to get.

I dropped out of ARRL when INCENTIVE LICENSING came about. I think NOTHING destroyed ham radio like INCENTIVE LICENSING DID. If you look at the figures I will wager that the decline in ham radio happened RIGHT THEN and there.

The new tech license will go a long way toward making up for the stupidity that caused the decline in ham radio activity.

I think it is time we old timers wake up and smell the coffee. I am in my 40's and I am the youngest member of most of the nets I am on. I used to remember in the 50's and 60's always hearing high school and college age kids on the ham bands. I don't think there is anyone younger than 35 on the local ham bands, and I do not recall hearing very many youthful voices on 20 40 or 75 either.

My Code Key is still connected, and I still use it... I sort of like the "tradition" of the original digital mode....

However, all those "usual" CW arguments started sounding very very stale to me 10 years ago; (You can use it in an emergency if your mic is broken) Hey lets make it manditory for DRIVERS also, so if they get stuck in a rollover in a valey, they can beep out a message.... (CW always gets through) packet gets through better, and it is ERROR FREE and you don't have to listen to a "lake erie swing" either....   etc. etc. etc. ad nausium.

I operate a fairly popular BBS system, which is radio oriented. All our staff are radio nuts of one variety or another. I am personally going to develop an on line study system based upon the new code pool. It will feature tutorials, an on line test, with help on the questions you missed.

I want to personally elmer in a SLEW of new ops, and so should the rest of you.

At least here on USENET, there has not been the sour grapes doom and gloom griping.

"Ham radio will become like CB"

Well I tell ya folks. Listen to 14.313 and then come to Marquette Michigan and tune in 27.275. Compare the two. Then say "Boy would it ever be a good thing if it *DID*"

```
--
=Marquette MI: It's Not the END of the world, but you can see it from here=
==  Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash)  GWN UPLink  ==
==  3.950  Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================
```

From 1885401276568572839
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,13fb125830f1a9a1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-29 05:54:25 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: vk
Message-ID: <1965@n8emr.UUCP>
Date: 29 Dec 90 12:42:52 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 181

```
==============================================================
|        Relayed from packet radio via                 |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ ALLBBS $RTDX1228
RTTY DX Notes 1of3 12/28/90

RTTY DX Notes for week ending 28th December 1990
BID: $RTDX1228
Part 1 of 3.

So that was Christmas. We hope that you all had a very happy, joyous and loving time with your families . . . and so to the New Year. May it be peaceful, prosperous and healthy, and hope it will be better than the years that have passed. We would like to see all that you have wished for come true, to yourself and your friends. For myself, i wish for a packet system that will handle traffic, irrespective of length, which will not need to split it into small parcels. That will save a lot of hassles. Have a happy year, chaps.

Our thanks this week go to DJ3IW and the Saar-Pfalz DX-Club Packet Cluster, JA1BLV, OD5NG, TG9VT, UT5RP, VK2EG, W2JGR and the Tri-State DX Packet Cluster Network. Thank you all for your help in the past year, and may you all have a very happy 1991.

Bandpass:

Friday 21:

KD7P/KH7	14087	at	0655Z	QSL
UL7LR	14083	at	0750Z	QSL
HI8EL	21085	at	2216Z	

Saturday 22:

BZ4RDC	21082	at	0036Z
UH2E/UA9YZ	14082	at	0430Z
UL7LR	14083	at	0500Z
RB5UQ	14091	at	1311Z
JX7DFA	28088	at	1320Z
UY5YB	21091	at	1341Z
V31JV	28088	at	1358Z

Continued in part 2.

```
/EX
SB RTTYDX @ ALLBBS $RTDX1228A
RTTY DX Notes 2of3  12/28/90

RTTY DX Notes for week ending 28th December 1990
BID: $RTDX1228A
Part 2 of 3.


Sunday 23:
V73BN       14085  at  0249Z
V31JV       14088  at  0329Z  QSL
ZK1AP       14078  at  0641Z
VP2EHF      14084  at  0844Z
UL7LR       14090  at  0935Z
UC2OF       14091  at  1300Z
5N0ETP      21091  at  1826Z
ZS9Z        28090  at  2033Z  QSL
KD7P/KH2    28088  at  2227Z  QSL

Monday 24:
9M6/JH1ROJ  21086  at  0229Z
XX9AF       21086  at  0454Z
7Z1AB       14074  at  0753Z  ARQ
A22BW       28097  at  1355Z
KP2N        28085  at  1507Z  QSL
OT7KK       28092  at  1514Z  Note
V31JV       28092  at  1720Z
ZD8BOB      21085  at  2254Z  QSL
V73BN       21083  at  2352Z

Tuesday 25:
Hope you had a Merry Christmas
TU2BB       14076  at  0053Z  ARQ
VP8BFA      14092  at  0325Z
7Z1AB       14074  at  0530Z  ARQ
TF/KE4YG    28090  at  1325Z
A22BW       28097  at  1411Z
LX150L      28090  at  1433Z  QSL
A41JW       21074  at  1435Z  ARQ
HV3SJ       21080  at  1557Z
V85GA       14074  at  1802Z  ARQ

Wednesday 26:
V73BN       14086  at  0815Z
BY4RSA      21087  at  0957Z
9Q5TE       21093  at  1322Z
UC2OCJ      28090  at  1327Z
CU2AE       28085  at  1355Z
LY1BZB      28085  at  1358Z
UL7LR       14085  at  1426Z
ZD9CO       21075  at  1746Z
7Z1AB       14074  at  1929Z  ARQ
```

TY1PS	21072	at	2240Z	ARQ
J39BS	14090	at	2359Z	

Thursday 27:

AL7BB	14090	at	0230Z	
7Z1AB	14074	at	0828Z	ARQ
YI1BGD	14074	at	0820Z	ARQ

Continued in part 3.
/EX
SB RTTYDX @ ALLBBS $RTDX1228B
RTTY DX Notes 3of3 12/28/90

RTTY DX Notes for week ending 28th December 1990
BID: $RTDX1228B
Part 3 of 3.

QSL Information:

UL7LR says to QSL to Box 97, Dzhetygara, 459430, Kazakh, USSR.

KD7P/KH7 and KD7P/KH2 QSL via Bob Winters, MOU3, PO Box 8265, Dededo, Guam 96912-8265 USA, and not KA2XX as previously stated.

V31JV has a QSL manager of N4RNR, Silvio Marini, 880 Wynnehurst St, Pensacola, FL 32503-2440.

ZS9Z says to send his cards to ZS6BCR.

KP2N is managed by WA4WIP, Richard G. Tesar, 3903 Linwood St, Sarasota, FL 34232-3727.

ZD8BOB is still at Box 2, Ascension Island.

9M6/JH1ROJ says to QSL to his home address.

LX150 is a special call and will collect his cards from LX1OA.

Notes of Interest:

4X6UP says that 4Z80TA will operate for two months to celebrate the 80th anniversary of the municipality of Tel Aviv.

YA0RR (Afghanistan) expects to start operation from January 1, (after dinner). He will be there for three weeks and will spend at least 10 (ten) days on RTTY. Dima (UT5RP) will handle the RTTY QSL chores only. Don't send him CW or SSB cards.

FL5/XE1L (Luis) is on Mayrean Island in the Grenadines. He hopes for it to be clasified as a new country for DXCC when he submits his application. We are not sure if he has RTTY, but WFWL.

HF0POL is reported as being active from King George Island, but no reports of RTTY activity.

Swiss stations will be alowed to sign the HE prefix after January 1.

The OT prefix is the same as the ON prefix.

And a very happy New Year to you all.

GL DE DX1 (VK2SG) AT TG9VT.

Written by VK2SG. Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA.
Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU, or via the VK2AGE AMTOR APLINK mailbox system.
/EX
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From -2822725916287204335
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5ce62da92e91b234,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,5ce62da92e91b234,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-29 10:09:16 PST
Xref: utzoo sci.electronics:16541 rec.ham-radio:28941
Path: utzoo!utgpu!news-server.csri.toronto.edu!rutgers!apple!netcom!onymouse
From: onymouse@netcom.UUCP (John Debert)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Home Escort (the portable electronic jail)
Summary: How does the "Home Escort" device work?
Keywords: radio house-arrest
Message-ID: <19591@netcom.UUCP>
Date: 29 Dec 90 18:09:16 GMT
Distribution: usa
Organization: Netcom- The Bay Area's Public Access Unix System {408 241-9760 guest}
Lines: 22

I've recently heard some about the "Home Escort" device which is used to keep track of convictees at home in lieu of putting them in jail.

The device consists of three parts: A leg bracelet worn by the convictee (for lack of a better word), a radio device in a black box with two nine inch whips on it which communicates with the bracelet and is attached to a large console which is then connected to the phone line and makes a call to a central station approximately every four hours at 300 baud.

Now, having seen the device, I am curious about what frequencies it uses to communicate with the bracelet and how it talks to the central station, i.e., what it says to the station (and what the station says in return) and how.

Searching the low-power police freqs have so far turned up nothing from the unit and I'm growing curiouser and curiouser about it.

BTW, the unit is made in Colorado and is FCC registered but that's all the info I have been able to come up with.

Thanx,
jd
onymouse@netcom.UUCP netcom!onymouse@apple.com

From 7171035193524819690
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c9285f150c321a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-29 12:45:08 PST
Path: gmdzi!unido!mcsun!uunet!w3vh!rolfe
From: rolfe@w3vh.UUCP (Rolfe Tessem)
Newsgroups: rec.ham-radio
Subject: Re: Thanks for the traffic...and now something really important :-)
Message-ID: <110@w3vh.UUCP>
Date: 29 Dec 90 20:20:14 GMT
References: <1990Dec24.043350.9840@athena.cs.uga.edu> <PRNTu3w163w@phoenix.com>
Organization: W3VH Packet Radio Gateway
Lines: 16

stanley@phoenix.com (John Stanley) writes:

>   And now, since the no-code question has been beaten to death, let's
>all start a spelling flame war. We can all pick apart every message with
>any spelling or grammer errors, and argue endlessly about "which" and "who"
>and "lose" and "loose", and "its" versus "it's".

For the record, I hope nobody missed the multiple smileys in my original followup to the "lose" vs. "loose" posting. :-) :-) :-).

Rolfe
--
Rolfe Tessem | Lucky Duck Productions
rolfe@w3vh.UUCP | 17 Saint Luke's Place
{uunet}!w3vh!rolfe | New York, NY 10014
(413) 528-5966 | (212) 463-0029

From 4997633609199805290
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49a1613ff9e97fb1,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-29 13:33:43 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!
ux1.cso.uiuc.edu!uxa.cso.uiuc.edu!jaw35117
From: jaw35117@uxa.cso.uiuc.edu (Joel A. Walberg)
Newsgroups: rec.ham-radio
Subject: contacts wanted
Message-ID: <1990Dec29.212038.2552@ux1.cso.uiuc.edu>
Date: 29 Dec 90 21:20:38 GMT
Sender: news@ux1.cso.uiuc.edu (News)
Organization: University of Illinois at Urbana
Lines: 13

i have a relative who is seeking other ham radio operators to communicate with

he has an ICOM 735 HF Rig, 40M & 80M dipole with an advanced license N7NYF.

He lives at:
Carl Hovey
17189 SW High Hill Lane
Beaverton, Oregon, U.S.A. 97007

if you would like to contact him, he would appreciate it.

do not respond to me!

From 6062009099482890842
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,652a5132a0b56e7a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fdd95,2b4146ad356ec860,start
X-Google-Attributes: gidfdd95,public
X-Google-ArrivalTime: 1990-12-29 13:45:59 PST
Path: gmdzi!unido!mcsun!uunet!w3vh!rolfe
From: rolfe@w3vh.UUCP (Rolfe Tessem)
Newsgroups: rec.ham-radio
Subject: Re: Equipment ideas for the Microsats
Message-ID: <111@w3vh.UUCP>
Date: 29 Dec 90 20:30:46 GMT
References: <695@sousa.enet.dec.com> <1722@ke4zv.UUCP>
Organization: W3VH Packet Radio Gateway
Lines: 20

gary@ke4zv.UUCP (Gary Coffman) writes:

>The main thing you may need is a "mode J" filter to keep the 2 meter
>signal and it's harmonics out of the converter. Spectrum International
>sells a nice one. You can build one fairly easily if you are handy with
>metalworking tools.

I have yet to talk to anyone for whom one of the Spectrum International

filters has made a whit of difference. I have one here, and my experience
has also been that it doesn't knock the desense down whatsoever. I went to
a cavity filter which works great. Desense on Mode J seems to be dependent
on a number of factors; some stations have problems, while others, using
virtually identical equipment, have none. I'd recommend getting on the
air first, and, if you have a desense problem on Mode J, then get yourself
a 70cm cavity centered on the appropriate frequency.
--
Rolfe Tessem | Lucky Duck Productions
rolfe@w3vh.UUCP | 17 Saint Luke's Place
{uunet}!w3vh!rolfe | New York, NY 10014
(413) 528-5966 | (212) 463-0029

From -8320144506960214817
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b854d1c5f6dec097
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-29 15:34:12 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: Question
Message-ID: <1990Dec29.223855.29168@athena.cs.uga.edu>
Date: 29 Dec 90 22:38:55 GMT
References: <9012290737.AA00765@ucsd.edu>
Organization: University of Georgia, Athens
Lines: 5

In article <9012290737.AA00765@ucsd.edu> 812spg@SACEMNET.AF.MIL ("812SPG") writes:
>$%@#R$%
>   %@##

That's a question, all right. You got me...

From 5734970960270826155
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fbb09cfe91c28da5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,fbb09cfe91c28da5,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-12-29 18:25:34 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!wuarchive!mit-eddie!rutgers!kb2ear!n2aam
From: n2aam@kb2ear.UUCP (Dave Marthouse N2AAM)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Info Request (beverage antennas)
Message-ID: <1265@kb2ear.UUCP>
Date: 30 Dec 90 01:59:42 GMT
Organization: KB2EAR Public Access UN*X, Kendall Park NJ
Lines: 24
Xref: gmdzi rec.radio.shortwave:3255 rec.ham-radio:18540

I am interested in finding out technical information on beverage antennas. I know that a beverage is a long wire, a few wavelengths long, about 6 or 7 inches above the ground. I think that the antenna is terminated somehow. I heard that they are used in broadcast band dxing and that people have had fantastic dx usine the antennas. I would be interested in any technical information on beverages, construction, problems, etc. I would in addition like to hear from people who have used beverages while dxing the am broadcast band. Any information would be appreciated.

Dave Marthouse

kb2ear!n2aam@princeton.edu

Fidonet dave marthouse 1:107/323

packet radio n2aam @ w2odv-4.nj.usa.na

From 4779722059222197799
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5fc35e3604be978e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,5fc35e3604be978e,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 105d97,5fc35e3604be978e,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-29 18:56:10 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!ucsd!nosc!simasd!ncr-sd!crash!nusdecs!nusjecs!ozonebbs!steven
From: steven@ozonebbs.UUCP (Steven Rubin)
Newsgroups: rec.radio.shortwave,rec.ham-radio,sci.electronics
Subject: Ground Plane for my CB antenna
Message-ID: <B12yu1w163w@ozonebbs.UUCP>
Date: 30 Dec 90 02:56:10 GMT
Organization: The ()zone BBS, +1 408 223 1738
Lines: 12
Xref: gmdzi rec.radio.shortwave:3266 rec.ham-radio:18576 sci.electronics:10435

I am setting up a CB in my house, and I am having problems with a ground plane. The equipment works fine in my car, so I know its not broken or anything. I want to put the antenna on my roof, but I am having trouble finding a good ground plane. The manager at Radio Shack suggest getting a peice of sheetmetal for a ground plane. How big should I make the sheet metal?

```
Steven Rubin                                                @      @
{netcom, crash!nusdecs}!nusjecs!ozonebbs!steven                oo
Disclaimer: I don't even speak for myself!           \__________/
```

From 6866722322115616804
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9feb1bdab4cd0b4e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-29 19:44:23 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: CW for pilots
Message-ID: <9012300306.AA15667@tilde>
Date: 30 Dec 90 03:06:28 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 38

In <waters@darla.tmc.edu (Strawberry Jammer)> Mike says:

(lots deleted)

>In high school I had a crusty old teacher who was adamant that without a
>"thorough grounding" in Latin and Greek it wasn't possible to get even a
>rudimentary education.

I can't argue with that, but I've noticed that the level of education that graduating students seem to have has dropped considerably over the years.

>The question is not one of "lowering standards" or "killing CW" but of
>testing for something relevant to the privileges granted.
>
>Airline pilots don't need to learn CW, but all the same the
>testing/education process seems to produce a reasonably competent breed!

When I took my pilot training in the Air Force, CW was a requirement. At least, you had to learn the characters. This was because the radio station identifiers were sent in Morse. One of the first things you learned in instrument flying was that you must be sure to identify the station you tuned to make sure you didn't fly to the wrong place. You did this by listening th the station identifiers.

There is no "airline pilot" exam as such. These folk get there after a long laborious grind, either through the military or through the progression from Student Pilot, Private Pilot, Commercial Pilot, and Airline Pilot. Each step carries with it certain experience requirements, as well as more intense medical and knowledge requirements. The Morse code is no more than just a part of the "early learning" process.

Nowadays, many (if not all) stations use voice identifiers, so there may not
even be a requirement to learn the morse characters now.

73,
Dube   N5PDK

"Why waste time learning, when ignorance is instantaneous?" -Hobbes

---

```
From 821708727240712402O
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49a1613ff9e97fb1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-29 22:38:13 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: contacts wanted
Summary: re Contacts Wanted
Message-ID: <712@wells.UUCP>
Date: 30 Dec 90 04:19:52 GMT
References: <1990Dec29.212038.2552@ux1.cso.uiuc.edu>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 50
```

In article <1990Dec29.212038.2552@ux1.cso.uiuc.edu>, jaw35117@uxa.cso.uiuc.edu
(Joel A. Walberg) writes:
> i have a relative who is seeking other ham radio operators to communicate with
>
> he has an ICOM 735 HF Rig, 40M & 80M dipole with an advanced license N7NYF.
>
> He lives at:
>   Carl Hovey
>   17189 SW High Hill Lane
>   Beaverton, Oregon, U.S.A. 97007
>
> if you would like to contact him, he would appreciate it.
>
> do not respond to me!
>

I'm at a loss to understand this posting.
If I read it properly, Carl Hovey, who allegedly has
an Advanced license, and a rig, albeit one opf
of the highly touted and heavily advertised
Jap riceboxes (admittedly the Icom lines have
significantly better performance than the even
more heavily advertised Kenwoods, which in turn
are infinitely better than the recent Yaesu line,
which isn't saying much) and a couple of wire
antennas, which should work on a few bands.

[let's start a new sentence even though the last
one isn't especially complete.]
With the rig, which hopefully is operative, meaning that
it should receive "something" and likewise be able to
transmit "something" and a key or microphone, preferably
the former, as CW is the real HAM's mode, and some sort
of power, whether via battery, portable generator, or
maybe even Oregon Electric Co. or whatever outfit owns
the meter and the poles, etc. and the desire to make
contacts, I recommend:"

Said relative fire up the rig, tune around and find someone
calling "CQ" and answer same.
Or maybe even trying calling "CQ" himself and seeing what
happens.

I've done that for a couple of years, and it always seems
to work.

Or maybe somebody had misposted the item.
Rec.humor, perhaps.\?

Am I missing something?

73, etc.

From -2851700233243662114
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b854d1c5f6dec097
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-29 22:38:14 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!
dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: Question
Message-ID: <713@wells.UUCP>
Date: 30 Dec 90 04:25:09 GMT
References: <9012290737.AA00765@ucsd.edu>
<1990Dec29.223855.29168@athena.cs.uga.edu>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 15

In article <1990Dec29.223855.29168@athena.cs.uga.edu>, mcovingt@athena.cs.uga.edu
(Michael A. Covington) writes:
> In article <9012290737.AA00765@ucsd.edu> 812spg@SACEMNET.AF.MIL ("812SPG")
writes:
> >$%@#R$%
> >   %@##
>
> That's a question, all right. You got me...

If this is properly expanded, the answer can be found by reference to the ARRL Handbook, l985 edition, page 13-2.
There is an extraneous reference to section 97.27 of the FCC rules, which I admit I don't understand.

It's obvious that someone hasn't done his homework.

73 and happy new year.

```
From -7884309499607784470
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84c1578ae23421fa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-29 22:57:45 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!root
From: root@n8emr.UUCP (Root)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1966@n8emr.UUCP>
Date: 29 Dec 90 17:15:15 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 26

From n8emr!KB8NW Sat Dec 29 02:34:30 1990
Return-Path: <n8emr!KB8NW>
Message-Id: <m0ipaAX-00018AC@n8emr.uucp>
[Date: Sat, 29 Dec 90 01:37 EST
[To: <ALL@ARRL>
R:901229/0552z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:15663 Z:43232
R:901229/0445 @:AD8I.OH.USA.NA Ashville, OH #:65115 Z:43103
R:901229/0334z @:W8CQK Columbus, OH #:8739 Z:43229
R:901228/2125 @:WB8BII.OH.USA.NA Cuyahoga Falls, OH #:16374 Z:44223
```

ZCZC AG64
QST DE W1AW
ARRL BULLETIN 55 ARLB055
FROM ARRL HEADQUARTERS NEWINGTON CT
DECEMBER 29, 1990
RELAYED BY KB8NW/OBS & BARF-80 BBS
TO ALL RADIO AMATEURS

FCC announced on December 27 details of the new code free Technician license. The license will carry full amateur privileges above 30 MHz. The new regulations are effective February 14, 1991. Current licensees of all classes, including existing Technicians, will neither gain nor lose privileges. The Novice license will continue to be available to new applicants. Further information will appear in the February issue of QST.

From 6163034686325987303
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84c1578ae23421fa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-29 22:57:47 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!root
From: root@n8emr.UUCP (Root)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1967@n8emr.UUCP>
Date: 29 Dec 90 17:15:26 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 28

Return-Path: <n8emr!KB8NW>
Message-Id: <m0ipa76-0000hAC@n8emr.uucp>
[Date: Sat, 29 Dec 90 01:37 EST
[To: <ALL@ARRL>
R:901229/0552z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:15664 Z:43232
R:901229/0446 @:AD8I.OH.USA.NA Ashville, OH #:65116 Z:43103
R:901229/0337z @:W8CQK Columbus, OH #:8740 Z:43229
R:901228/2123 @:WB8BII.OH.USA.NA Cuyahoga Falls, OH #:16373 Z:44223

ZCZC AG65
QST DE W1AW
ARRL BULLETIN 56 ARLB056
FROM ARRL HEADQUARTERS NEWINGTON CT
DECEMBER 29, 1990
RELAYED BY KB8NW/OBS & BARF-80 BBS
TO ALL RADIO AMATEURS

FCC ruled on December 27 on exempting applicants with disabilities from the 13 and 20 wpm Morse examinations. Applicants upgrading to a license requiring these code levels may present to VEs certification from a physician to be exempted from the CW requirement. Only certification by doctors of medicine and Osteopathy will be accepted. Applicants will also be required to submit a release allowing FCC access to appropriate medical records. The new regulations take effect February 14, 1991, though waivers of 13 and 20 wpm code tests are already available under similar conditions. More information will appear in February QST.

From 1073135385341255952
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84c1578ae23421fa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-29 22:57:57 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!root
From: root@n8emr.UUCP (Root)
Newsgroups: rec.ham-radio

```
Subject: ARRL news
Message-ID: <1968@n8emr.UUCP>
Date: 29 Dec 90 17:15:36 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 47

Return-Path: <n8emr!KN5D>
Message-Id: <m0ipgmO-0000QWC@n8emr.uucp>
[Date: Sat, 29 Dec 90 08:43 EST
[To: <ALL@ARRL>
R:901229/1327z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:15689 Z:43232
R:901229/1250z @:W8CQK Columbus, OH #:8784 Z:43229
R:901229/0709 @:WB8BII.OH.USA.NA Cuyahoga Falls, OH #:16420 Z:44223
R:901229/1135z @:KA8Z.OH.USA Canton, Oh. #:41141 Z:44705
R:901229/1056z @:WB8LVP.OH.USA.NA Poland, OH   #:177 Z:44514
R:901229/0532 @:KA3SSC.PA.USA.NA Karns City,Pa. #:738 Z:16041
R:901229/0911z @:KA3NVP.#WPA.PA.USA.NA $:15303_KN5D #:34388
R:901229/0620z 28760@W3YA.PA.USA.NA [State College] Z:16801
R:901229/0609z @:W3KDC.MD.USA.NA Cresaptown #:15865
R:901229/0602z @:WB4D.VA.USA.NA #:2587
R:901228/1959z @:KA3T.MD.USA.NA Mt. Airy #:3529
R:901228/1504z 28031@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]
R:901228/1407z 19533@KD0M.MD.USA.NOAM [Salisbury, MD]  Z:21801
R:901228/1251z 13275@WA4TVS.VA.USA.NOAM [Parksley, Va.] Z:23421
R:901228/1050z 6026@WD4MIZ.VA.USA.NOAM [Virginia Beach, Va.] Z:23452
R:901228/1044 @:KJ4LQ.VA.USA.NA Norfolk/Chesapeake #:30403 Z:23320
R:901227/1034z @:WS7U.ID.USA.NA Idaho Falls [LAN30] #:5639 Z:83401
R:901226/2326 @:K7ZTM.#NUT.UT.USA.NA Layton, Ut #:2589 Z:84041
R:901224/0851z @:N7MLR.#NEUT.UT.USA.NA Vernal, Ut #:12488 Z:84078
R:901224/0749z @:KB0CZV.#NWCO.CO.USA.NA Grand Junction,Colo. #:1606 Z:81506
R:901218/0305z @:KA5JNJ.NM.USA.NA Farmington, NM #:14540 Z:87401
R:901218/0157z @:KN5D.NM.USA DM65pg #:15303 Z:87048
```

QST DE W1AW
ARRL BULLETIN 53 ARLB053
FROM ARRL HEADQUARTERS NEWINGTON CT
DECEMBER 13, 1990
TO ALL RADIO AMATEURS

FCC ALSO ANNOUNCED ON DECEMBER 13 THAT IT HAS AMENDED ITS RULES TO MAKE THE AMATEUR SERVICE MORE ACCESSIBLE TO HANDICAPPED OR DISABLED LICENSEES WHO ARE UNABLE PASS HIGHER SPEED MORSE CODE EXAMINATION. THE FCC DECIDED TO DECLINE TO PROVIDE A LIST OF DISABILITIES. INSTEAD, THE JUDGMENT IF A QUALIFIED PHYSICIAN WILL BE RELIED UPON TO DETERMINE THAT A PERSON CANNOT PASS A MORSE CODE EXAMINATION DUE TO A SEVERE HANDICAP.   IN RESPONSE TO CONCERNS ABOUT THE INTEGRITY OF THE PROCESS, FCC STAFF SAID ANYONE ABUSING THE PROCESS WOULD BE DEALT WITH HARSHLY. THE FCC AFFIRMED THAT BECAUSE OF INTERNATIONAL REQUIREMENTS, NO EXEMPTIONS WOULD BE GRANTED FOR THE 5 WPM MORSE CODE REQUIREMENT

AR

```
From -5488492174192609449
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84c1578ae23421fa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-29 22:57:59 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!root
From: root@n8emr.UUCP (Root)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1969@n8emr.UUCP>
Date: 29 Dec 90 17:15:45 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 43

Return-Path: <n8emr!KN5D>
Message-Id: <m0ipgiQ-0000ulC@n8emr.uucp>
[Date: Sat, 29 Dec 90 08:43 EST
[To: <ALL@ARRL>
R:901229/1330z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:15690 Z:43232
R:901229/1253z @:W8CQK Columbus, OH #:8785 Z:43229
R:901229/0707 @:WB8BII.OH.USA.NA Cuyahoga Falls, OH #:16419 Z:44223
R:901229/1142z @:KA8Z.OH.USA Canton, Oh. #:41142 Z:44705
R:901229/1055z @:WB8LVP.OH.USA.NA Poland, OH   #:176 Z:44514
R:901229/0537 @:KA3SSC.PA.USA.NA Karns City,Pa. #:739 Z:16041
R:901229/1009z @:KA3NVP.#WPA.PA.USA.NA $:15304_KN5D #:34390
R:901229/0828z 28766@W3YA.PA.USA.NA [State College] Z:16801
R:901229/0723z @:W3KDC.MD.USA.NA Cresaptown #:15873
R:901229/0603z @:WB4D.VA.USA.NA #:2588
R:901228/2000z @:KA3T.MD.USA.NA Mt. Airy #:3530
R:901228/1507z 28032@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]
R:901228/1409z 19534@KD0M.MD.USA.NOAM [Salisbury, MD]  Z:21801
R:901228/1247z 13274@WA4TVS.VA.USA.NOAM [Parksley, Va.] Z:23421
R:901228/1052z 6027@WD4MIZ.VA.USA.NOAM [Virginia Beach, Va.] Z:23452
R:901228/1050 @:KJ4LQ.VA.USA.NA Norfolk/Chesapeake #:30404 Z:23320
R:901227/0849z @:WS7U.ID.USA.NA Idaho Falls [LAN30] #:5628 Z:83401
R:901226/2330 @:K7ZTM.#NUT.UT.USA.NA Layton, Ut #:2590 Z:84041
R:901224/0848z @:N7MLR.#NEUT.UT.USA.NA Vernal, Ut #:12487 Z:84078
R:901224/0753z @:KB0CZV.#NWCO.CO.USA.NA Grand Junction,Colo. #:1607 Z:81506
R:901218/0301z @:KA5JNJ.NM.USA.NA Farmington, NM #:14539 Z:87401
R:901218/0202z @:KN5D.NM.USA DM65pg #:15304 Z:87048
```

QST DE W1AW
ARRL BULLETIN 52 ARLB052
FROM ARRL HEADQUARTERS NEWINGTON CT
DECEMBER 13, 1990
TO ALL RADIO AMATEURS

THE FEDERAL COMMUNICATIONS COMMISSION ON DECEMBER 7 DENIED AN ARRL PETITION FOR RECONSIDERATION OF THE COMMISSION'S RULES

REGARDING OPERATION OF NON-LICENSED RF DEVICES. NEW STANDARDS IN
EFFECT SINCE JUNE, 1989, CONCERN RADIATION FROM EQUIPMENT RANGING
FROM RADIO RECEIVERS TO DOOR OPENERS. THE COMMISSION CONCLUDED
THAT THE NEW REGULATIONS DO AFFORD ADEQURTE AND APPROPRIATE
INTERFERENCE PROTECTION TO THE AMATEUR SERVICE. FURTHER
INFORMATION APPEARS IN THE JUNE, 1989 ISSUE OF QST

AR

From 2336435338069745057
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9feb1bdab4cd0b4e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-30 10:55:41 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!mips!public!rah
From: rah@public.BTR.COM (Richard A Hyde rah@btr.com)
Newsgroups: rec.ham-radio
Subject: Re: CW for pilots
Message-ID: <1181@public.BTR.COM>
Date: 30 Dec 90 16:40:17 GMT
References: <9012300306.AA15667@tilde>
Organization: BTR Public Access UNIX, MtnView CA, Contact: cs@btr.com 415-966-1429
Lines: 30

In article <9012300306.AA15667@tilde> dube@cpdvax.csc.ti.com writes:
|In <waters@darla.tmc.edu (Strawberry Jammer)> Mike says:
|
|(lots deleted)
|
|>
|>Airline pilots don't need to learn CW, but all the same the
|>testing/education process seems to produce a reasonably competent breed!
|
| When I took my pilot training in the Air Force, CW was a requirement. At
|least, you had to learn the characters. This was because the radio station
|identifiers were sent in Morse. One of the first things you learned in
|instrument flying was that you must be sure to identify the station you tuned
|to make sure you didn't fly to the wrong place. You did this by listening th
|the station identifiers.
|

I don't know about the Air Force, but there is no *civil* requirement to
know morse as a pilot. The station identifiers are still often in morse,
but the dot-dash pattern is printed right on the chart..

12 years of flying didn't help much on my Novice code test :-)

Rick KC6QBO

--

```
|   Richard Hyde  |  RaH@btr.com  |    This space intentionally left blank   |
------------------------------------------------------------------------------
```

From 8913794928844514764
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9feb1bdab4cd0b4e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-30 11:16:45 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: CW for pilots
Message-ID: <g68Zu1w163w@phoenix.com>
Date: 30 Dec 90 18:06:27 GMT
References: <9012300306.AA15667@tilde>
Organization: Not BIFF At All (NBAA)
Lines: 12

dube@cpdvax.csc.ti.com writes:

> Nowadays, many (if not all) stations use voice identifiers, so there may not
> even be a requirement to learn the morse characters now.

Some, and not even many, use voice. The main VOR's have voice on them, but none of the NDB's or ILS's I know of do. And it is more important to know which ILS you are receiving than the VOR. But both are important.

Pilots cheat, however. The charts include the dots and dashes along with the letters. All you need to do is match the pattern.

From 3961692892031061831
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,652a5132a0b56e7a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-30 11:22:56 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Equipment ideas for the Microsats
Message-ID: <1750@ke4zv.UUCP>
Date: 30 Dec 90 16:27:00 GMT
References: <695@sousa.enet.dec.com> <1722@ke4zv.UUCP> <111@w3vh.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 33

In article <111@w3vh.UUCP> rolfe@w3vh.UUCP (Rolfe Tessem) writes:
>gary@ke4zv.UUCP (Gary Coffman) writes:
>

>>The main thing you may need is a "mode J" filter to keep the 2 meter
>>signal and it's harmonics out of the converter. Spectrum International
>>sells a nice one. You can build one fairly easily if you are handy with
>>metalworking tools.
>
>I have yet to talk to anyone for whom one of the Spectrum International
>filters has made a whit of difference. I have one here, and my experience
>has also been that it doesn't knock the desense down whatsoever. I went to
>a cavity filter which works great. Desense on Mode J seems to be dependent
>on a number of factors; some stations have problems, while others, using
>virtually identical equipment, have none. I'd recommend getting on the
>air first, and, if you have a desense problem on Mode J, then get yourself
>a 70cm cavity centered on the appropriate frequency.
>--
>Rolfe Tessem | Lucky Duck Productions
>rolfe@w3vh.UUCP | 17 Saint Luke's Place
>{uunet}!w3vh!rolfe | New York, NY 10014
>(413) 528-5966 | (212) 463-0029

It rather depends on your equipment's ills. If you have a 2 meter transmitter
or amplifier that puts out broadband noise, a common problem, a 2 meter
filter on the 2 meter output will do wonders while a cavity on the 70 cm
side won't help at all. If your problem is poor out of band strong signal
handling on the 70 cm receive side, then a 70 cm cavity will help. Some
setups need one, some the other, and some don't need anything at all.
When I was running an IC211 and an IC451A, I didn't need a filter at all.
With the current TS790A, I need both. :-(Anybody want a slightly used
TS790A? I'd love to trade up to an IC970 or an IC275, IC475 pair. :-)

Gary KE4ZV

From -4850160136423191888
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fbb09cfe91c28da5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,fbb09cfe91c28da5
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-12-30 11:23:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Info Request (beverage antennas)
Message-ID: <1751@ke4zv.UUCP>
Date: 30 Dec 90 17:07:02 GMT
References: <1265@kb2ear.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Followup-To: rec.radio.shortwave
Organization: Gannett Technologies Group
Lines: 45
Xref: gmdzi rec.radio.shortwave:3261 rec.ham-radio:18551

In article <1265@kb2ear.UUCP> n2aam@kb2ear.UUCP (Dave Marthouse N2AAM) writes:
>
>I am interested in finding out technical information on beverage antennas. I know that a beverage is a long wire, a few wavelengths long, about 6 or 7 inches above the ground. I think that the antenna is terminated somehow. I heard that they are used in broadcast band dxing and that people have had fantastic dx usine the antennas. I would be interested in any technical information on beverages, construction, problems, etc. I would in addition like to hear from people who have used beverages while dxing the am broadcast band. Any information would be appreciated.

A beverage is a unidirectional antenna with gain for receiving only. It is normally several wavelengths long and is mounted a few *feet* above the ground. The far end is terminated by a 400-900 ohm resistor. The antenna is unidirectional in the direction pointing toward the terminating resistor. Mine are 1/4 mile spools of electric fence wire, mounted about eight feet above the ground, attached to trees in the woods beyond my house. Four feet would be a more ideal height with my soil conductivity, but I didn't want deer to get tangled in the wires. The terminators are about 800 ohms in my case. I have a rotary switch, with compass rose, setup to select the proper antenna to feed an adjustable L network that feeds the receiver.

The theory behind the Beverage is somewhat controversial. The Beverage seems to work similarly to a directional coupler. Signals arriving from the direction of the receiver end couple to the antenna and are dissipated in the terminating resistor at the far end. Signals received from the direction of the termination go into the tuning network and the receiver. Surprisingly high front to back ratios are achievable. I have seen a more than 20db indicated signal strength change by switching from one Beverage to another. The antenna's performance seems to fall off rapidly above 4 Mhz. At MF and LF it is wonderful.

A few tips. To properly adjust the terminating resistor value, select a station off the back of the antenna and have someone adjust the termination for the best null. I use ordinary carbon pots as terminations. Don't worry about the exact length of the antenna as long as it's more than about eight wavelengths at the lowest frequency of interest. Ordinary resonance effects seem to damp out beyond that length. The L network should be designed to match 400-900 ohms to 50 ohms. Tune it for the loudest signal. Install a knife switch at each end of the antenna so that you can ground it when not in use. A 1/4 mile of wire picks up a heck of a charge in an electrical storm. I've lost several terminating pots due to failure to hike out and short the far ends to ground.

Gary KE4ZV

From 8955823038319094421
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ada4bba2dd3271e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-30 11:46:11 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!UMAIL.UMD.EDU!ps67

From: ps67@UMAIL.UMD.EDU ("Paul W. SCHLECK")
Newsgroups: rec.ham-radio
Subject: Rumors of ARRL appeal on No-Code
Message-ID: <9012301924.AA29750@umail.UMD.EDU>
Date: 30 Dec 90 19:24:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 92

Much has been said, mostly rumor, in this newsgroup about the ARRL's possible reaction to the recent FCC decision in PR Docket 90-55, Codeless License. Posters have accused the ARRL of being a "spoiler" on this issue and out of touch with "real" hams.

Perhaps we can get some meaningful information from somebody actually in the ARRL. Last evening, I attended a very nice dinner for alumni of the University of Maryland ARA. In attendance was Hugh Turnbull, W3ABC, Atlantic Division Director. Since there were at least 3 regular readers of rec.ham-radio (a.k.a. Info-Hams Digest) at the dinner, we asked him of the ARRL's possible response to the decision.

Hugh said that the ARRL still wanted to sit down with the full Report-and-Order and hash out precisely what differences exist between the original proposal and the one returned by the FCC. This is understandable, as they want to clear away the smoke of rumor and consider just what the impact of the new FCC regulations would mean.

Hugh DID say that the ARRL would be VERY reluctant to file an Appeal for Reconsideration, as to do so would cast the ARRL in the role of spoiler (maybe they aren't so out of touch after all???). What would motivate them to appeal would be a feeling that there were significant parts of the new regulations that would be EXTREMELY DAMAGING to amateur radio.

To extrapolate from what Hugh said, the decision on whether or not the ARRL would file an appeal would be on two points:

1. The impact of the additional privileges (i.e. 2m and 6m) that were not initially proposed.

2. Whether or not the new regulations would be EXTREMELY DAMAGING to amateur radio.

In previous conversations with Hugh, he expressed a concern over potential TVI problems between 6m and fringe-area Channel 2 reception. This was a key factor in the ARRL not asking the FCC for 6m privileges. There was also concern about excessive band loading on 2m.

Hugh says that comments on the issue have been split right down the middle. He is very concerned that the new regulations will divide amateur radio. He brought up 3 key goals of license restucturing, and why he felt that the new license might not be of significant impact:

1. An influx of new, quality hams. Any new restructuring in and of itself will not dramatically increase our ranks. No-Code is not a panacea and it should not be though of as such. Any serious effort to recruit new hams with this new license should be accompanied by an appropriate recruting/PR effort. VE's turning in their accredidation over disagreement with the new license will not achieve this goal.

2. A dramatic increase in amateurs on the UHF and Microwave bands, to prevent licensed and unlicensed encroachment on our bands from Part 15 devices, HDTV, cellular phone, satellite communications, etc. Giving away the lower VHF bands to new hams might give us the same band loading problems, only more so. The ARRL felt (whether you agree with it or not) that a 220-and-up license would force new hams to break new ground on the upper bands.

3. Acceptance and assimilation of these new hams into the mainstream of the hobby. Again, bitter divisiveness, shunning, old Tech's using a /C suffix, and other childish games will not make these new hams feel welcome. If this new license, as sensible and well though out as it may be, causes more divisiveness and infighting (possibly played out on the ham bands), then it may hurt more than help amateur radio.

As was stated previously, the stream of comments coming in to League officials on the issue have been split 50/50. If you write the ARRL, and I encourage you to do so, please consider the following in your letter:

1. Will 6m TVI be a problem? Why/Why not?

2. Will 2m band loading be a problem? Why/Why not?

3. What recruitment efforts do you and/or your club have in place to test, train, and accept these new hams?

4. What kind of impact will this new license have on use of the UHF and Microwave bands?

5. Will the new license cause a splitting of hams into code/no-code camps? What can you and/or your club do to make these hams feel welcome and smooth over ruffled feathers among existing hams?

Sorry this post is so long, but I had to get in all the information. Please don't flame/write me, flame/write the ARRL.

73, Paul W. Schleck, KD3FU

ps67@umail.umd.edu

```
From -4332335108586347146
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,be0a1bd344aeed5c
```

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,c56360ca93ab4065
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-30 11:46:26 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Open Letter to ARRL Pres. Larry Price
Message-ID: <880.277DD738@w8grt.fidonet.org>
Date: 30 Dec 90 19:31:21 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 68
Xref: gmdzi rec.ham-radio:18554 rec.ham-radio.packet:3303

* Forwarded from "ARCHIVES" with original typos corrected
* Originally by Jim Grubs
* Originally to uucp
* Originally dated 23 Dec 1990, 18:18

To: mcimail.com!2155052 <- ARRL
To: mcimail.com!3801143 <- Scott Loftesness, W3VS, CompuServe HAMNET
To: mcimail.com!3658035 <- Don Stoner,W6TNS, of NARA
To: mcimail.com!2184001 <- 73 Magazine
To: mcimail.com!3511297 <- Fred Maia, W5YI
To: karn@thumper.bellcore.com <- Phil Karn, KA9Q

On December 13th, the FCC modified the requirements for the Technician Class license by dropping the code test. This bold move offers great hope to all of us who are deeply concerned with the possibility that amateur radio will one day soon be crushed under the weight of the spectrum needs of other services.

I was disturbed to note, however, that you were reported to be considering asking the FCC to reconsider this action to the extent of confining the new codeless Technicians to 222 mhz and up. I consider this most unwise for the following reasons:

One basic Technician Class license with one written exam + a CW endorsement for those who want to operate on HF would be easier and cheaper for the FCC to administer.

"Ghetto-izing" the codefree Technician Class licensees provides no regulatory or technological benefit. Rather, it serves only to codify social discrimination by preventing the newcomers from coming into contact with the majority of their fellow amateur operators.

Amateur radio constitutes the United States' first National Park of the Mind, and broad, open access to that public resource will provide intellectually stimulating and spiritually refreshing benefits to the nation that narrow, inhibitory access by the privileged few cannot. I believe that that is the basic reason the FCC made its decision.

Amateur radio's greatest contributions to the state of the art occurred during the period of its early history when it was not straight-jacketed by complex regulations and licensing structures not based on compelling need. Preventing or inhibiting the freest possible exploration of the National Park of the Mind consistent with conserving its meaningful existence would tend toward reducing it to the site for historical tableaux similar to those re-enactments of medieval jousting.

There is no compelling need for creating your proposed codefree ghetto. Therefore, any request for reconsideration will doubtlessly be rejected out of hand. The only result of a Petition for Reconsideration will be to make the League look foolish.

Moreover, since the new codefree amateurs are going to revitalize the future of ham radio, resentment against the organization that attempted to cause part of the original promise to be withdrawn would no doubt result in very few of them joining the League, which would very likely become little more than the custodians for its Antique Wireless Museum.

To summarize, it's a dumb idea.

73 de Jim Grubs, W8GRT
Copies: Michael Covington, Wayne Green, Fred Maia, Don Stoner, Phil Karn, Scott Loftesness

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 1284089648815433565
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,878d51176687c502,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-30 11:46:35 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!f16.n234.z1.fidonet.org!Bob.Hartman
From: Bob.Hartman@f16.n234.z1.fidonet.org (Bob Hartman)
Newsgroups: rec.ham-radio
Subject: PROBLEM WITH ICOM RADIO
Message-ID: <881.277DD740@w8grt.fidonet.org>
Date: 30 Dec 90 19:31:31 GMT
Sender: ufgate@w8grt.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/16 - The Black Hole, Lima OH
Lines: 23

date: 27 Dec 90 18:01
Message-ID: <2847@N8FMS>
From: WD8EJC@N8FMS
To: ALL@OKIPN
Subject: ICOM 3210-A RX TROUBLE

I HAVE AN IC-3210-A THAT HAS WENT BACK TO THE FACTORY TWICE NOW FOR THE

SAME PROBLEM. I KEEP LOOSING RECEIVE IN THE VHF SIDE. UHF WORKS FINE, LOOKING
FOR ANY ONE ELSE THAT HAS EXPERIENCED THE SAME PROBLEM.. THEY REPLACE THE
FET IN THE FRONT END AND IT SEEMS TO WORK FOR ABOUT 3 MONTHS. I HAVE ONLY
HAD THE RADIO 6 MONTHS AND LIKE I SAY HAS BEEN BACK TWICE TO WASHINGTON.
IF ANYONE HAS HAD THE SAME PROBLEM PLS. LEAVE A MESSAGE TO ME WD8EJC IN
CARE OF MY HOME BBS N8FMS. THANKS RANDY HARROD, OH. AND DISGUSTED WITH ICOM.

Any comments can also be directed to me and I'll see that Randy gets them.
Bob Hartman 234/16
--- TBBS v2.1/NM
 * Origin: QSO DE Black Hole BBS * 419-228-7236 [HST] (1:234/16)

--
Bob Hartman - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!16!Bob.Hartman
INTERNET: Bob.Hartman@f16.n234.z1.fidonet.org

From -4664814132428985306
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a75cab6f4f6a3fb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-30 11:54:26 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!
news.cs.indiana.edu!rutgers!netnews.upenn.edu!grad1.cis.upenn.edu!broscius
From: broscius@grad1.cis.upenn.edu (Al Broscius)
Newsgroups: rec.ham-radio
Subject: Biographical References on Yagi of Antenna Fame ??
Keywords: Yagi Antenna Designer
Message-ID: <35211@netnews.upenn.edu>
Date: 30 Dec 90 19:28:33 GMT
Sender: news@netnews.upenn.edu
Reply-To: broscius@grad1.cis.upenn.edu (Al Broscius)
Organization: University of Pennsylvania
Lines: 10

There appears to be a dearth of biographical information on the
inventor of the widely used Yagi antenna. Does anyone have
any publication references which describe the life of Dr. Yagi ??

Thanks in advance
Al Broscius
n3fct

broscius@dsl.cis.upenn.edu   signature stuff....

From -3512896909749652126
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9feb1bdab4cd0b4e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-30 11:55:12 PST

Path: gmdzi!unido!mcsun!uunet!wuarchive!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: CW for pilots
Message-ID: <4504@lib.tmc.edu>
Date: 30 Dec 90 19:05:30 GMT
References: <9012300306.AA15667@tilde> <1181@public.BTR.COM>
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 18
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <1181@public.BTR.COM> rah@public.BTR.COM (Richard A Hyde rah@btr.com)
writes:
>I don't know about the Air Force, but there is no *civil* requirement to
>know morse as a pilot. The station identifiers are still often in morse,
>but the dot-dash pattern is printed right on the chart..

>12 years of flying didn't help much on my Novice code test :-)

Knowing Morse _did_ help on my Private Pilot checkride...

It's _real_ nice to be able to tune and identify a navaid while keeping my
eyes out of the cockpit, especially in Houston's busy terminal airspace.
Unlike Dube Todd, I've _never_ met a navaid with a voice ID.

I wouldn't mind having a Morse requirement for a pilot's license...
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
  "...flames are a specific art form of Usenet..." -- Gregory G. Woodbury

From -2186243521543040371
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93f76d752f88cffd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-30 13:12:38 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: FCC Rumor -- (But what if it is true?)
Message-ID: <883.277E0D4D@w8grt.fidonet.org>
Date: 30 Dec 90 21:01:00 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 31

 > From: k3tx@wells.UUCP (Dave Heller)
 > Date: 30 Dec 90 04:47:57 GMT
 > Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
 > Message-ID: <714@wells.UUCP>
 > Newsgroups: rec.ham-radio

>
> This handicapped waiver business is a farce. Let's see what a few of
> the
> "handicapped" think about it.

Speaking as one with muscular dystrophy, I find your total insensitivity to be objectionable and offensive in the extreme.

And to think, your callsign indicates that you are one of these highly superior Extra Class licensees. You, my friend, are a living example of what we've been saying here - learning code is not a measure of intelligence or education.

Indeed, I'm beginning to wonder if the opposite may be true. It is a recognized phenomenon of psychology that people with certain severe brain disorders can be taught to perform simple mechanical skills with a high degree of proficiency. The theory, I guess, is that higher order brain functioning does not help and may even hinder the accomplishment of skills that do not require reasoning ability. That would certainly explain you and your fellow Penn Wireless Association members.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -2804682888822105189
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4b95bc5678e9cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-30 13:28:01 PST
Path: gmdzi!unido!mcsun!uunet!sugar!garym
From: garym@sugar.hackercorp.com (Gary Morris)
Newsgroups: rec.ham-radio
Subject: Re: Confirmed SAREX QSO
Summary: Ron worked Canada from STS-35
Keywords: robot, STS, SAREX
Message-ID: <7412@sugar.hackercorp.com>
Date: 30 Dec 90 19:30:46 GMT
References: <10534@uhccux.uhcc.Hawaii.Edu> <1990Dec11.163014.1785@lescsse.uucp> <1990Dec22.015315.24141@ims.alaska.edu>
Organization: Sugar Land Unix - Houston
Lines: 14

In article <1990Dec22.015315.24141@ims.alaska.edu>, ftpam1@acad3.alaska.edu (MUNTS PHILLIP A) writes:
>   Just out of morbid curiosity, what was the highest latitude that the
> SAREX was worked from?
>

In the debriefing, Ron mentioned that he had a voice contact with a VE3? in extreme southern Ontario, Canada. The expected northern limit was 42 deg N latitude which just touches Ontario.

```
--GaryM
--
Gary Morris - N5QWC/W5RRR      Internet: gmorris@nasamail.nasa.gov
Lockheed (LESC), A22           UUCP:     moray!avocado!garym (home)
Space Station Freedom          SPAN:     24810::"gmorris@nasamail"
Houston, Texas                 Phone:    +1 713 283 5195


From -2154779938618234463
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-30 14:53:48 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Rumors of ARRL appeal on No-Code
Message-ID: <886.277E1926@w8grt.fidonet.org>
Date: 30 Dec 90 22:11:01 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 17


 > From: ps67@UMAIL.UMD.EDU ("Paul W. SCHLECK")
 > Date: 30 Dec 90 19:24:00 GMT
 > Organization: The Internet
 > Message-ID: <9012301924.AA29750@umail.UMD.EDU>
 > Newsgroups: rec.ham-radio
 >
 > Much has been said, mostly rumor, in this newsgroup about the ARRL's
 > possible reaction to the recent FCC decision in PR Docket 90-55,

What "rumor"? Price was quoted in a W1AW bulletin as considering filing a
Petition for Reconsideration.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org


From -1782094865631237556
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32c616a9108e3d8c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-30 19:26:03 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!
apple.com!winter
From: winter@apple.com (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Opinions on Macintosh satellite programs?
Keywords: Macintosh, satellite tracking
```

Message-ID: <47638@apple.Apple.COM>
Date: 30 Dec 90 23:27:04 GMT
Sender: winter@Apple.COM
Reply-To: wigi@tybalt.caltech.edu
Followup-To: rec.ham-radio
Organization: Apple Computer Inc, Cupertino, CA
Lines: 93

Wigi, AL7IF, is having trouble posting to the net and asked me to post a request for information on satellite tracking programs for the Macintosh.

He's interested in both commercial and public-domain programs. I know of a few (see list below), but I haven't actually tried them myself. If you have any comments on the ones listed below or any others, please post them for the good of the masses or send them directly to Wigi at "wigi@tybalt.caltech.edu".

Thanks!

Patty

Macintosh satellite tracking programs:

QuikMac
AMSAT, PO Box 27, Washington, DC 20044. $40 for AMSAT members; $50 for non-members. Requires Microsoft BASIC.

Satellite Orbit Prediction Program
Macintosh conversion of W3IWI program.
Earl Skelton, N3ES, 6311 29th Place NW, Washington, DC 20015.
Send formatted 800K Macintosh disk with stamped, self-addressed return disk mailer; or send SASE for source listing. Requires Microsoft BASIC.

MacSat
BEK Developers, 1732 74th Circle NE, St. Petersburg, FL 33702.
$10.00

Satellite Helper
MacTrak Software, PO Box 1590, Port Orchard, WA 98366. $59.95

Satellite Pro
MacTrak Software, PO Box 1590, Port Orchard, WA 98366. $99.95

Collections that include satellite programs:

MacNet
Public-domain programs (currently on nine disks) contributed by Macintosh packet users. Includes test preparation, contest logging, propagation prediction, satellite tracking, and amateur television.
John D. Seney, KB1HE, 144 Pepperidge Dr., Manchester, NH 03103. Send formatted 800K Macintosh disks with stamped, self-addressed return disk mailer. Contributions of public-domain programs encouraged.

"Project Mac"
Contest logging, antenna design, satellite tracking, clip art, etc. Microsoft BASIC required for many (but not all) of the programs.
Stan Horzepa WA1LOU, 75 Kreger Drive, Wolcott, CT 06716. Send three formatted 800K Macintosh disks with stamped, self-addressed return disk mailer.

"Amateur Radio Software for Macintosh"
Extensive catalog including logging, Morse code, Novice, gray-line, satellite tracking, contesting, packet, and CW programs.
ZCo Corporation, PO Box 3720, Nashua, NH 03061.

Amateur Radio #1
Contains satellite tracking, Morse code practice, Ohm's law calculator, and pad design programs.
Kinetic Designs, PO Box 1646, Orange Park, FL 32067. $4.00

Ham-oriented landline BBSs that may have satellite software:

MacScience BBS
Various ham-related applications, including antenna design, propagation, WEFAX, packet, and Morse code. (408) 866-4933.

Digikron Systems BBS
Various ham-related applications, including logging, propagation, Morse code, and packet. (408) 253-1309.

WB3FFV BBS
Various ham-related software, including packet, contesting, and Morse code applications. (301) 625-0817, 625-9482, and 625-9663.

N8EMR BBS
Various ham-related files, including packet, Morse code, DXing, and contesting software; AMSAT bulletins; and several ham newsletters. (614) 895-2553. Also available on AMPR.NET at 44.70.0.1.

--end--

From -7118717631817427142
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fbb09cfe91c28da5

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,fbb09cfe91c28da5
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-12-30 19:27:11 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!mips!daver!dlb!zygot!duncan
From: duncan@zygot.ati.com (James R. Duncan)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Info Request (beverage antennas)
Message-ID: <29079@zygot.ati.com>
Date: 30 Dec 90 22:18:14 GMT
References: <1265@kb2ear.UUCP>
Reply-To: duncan@zygot.ati.com (James R. Duncan)
Organization: Green Hills and Cows
Lines: 40
Xref: gmdzi rec.radio.shortwave:3262 rec.ham-radio:18562
Summary:
Expires:
Sender:
Followup-To:

In article <1265@kb2ear.UUCP> n2aam@kb2ear.UUCP (Dave Marthouse N2AAM) writes:
>
>I am interested in finding out technical information on beverage antennas.
>I know that a beverage is a long wire, a few wavelengths long, about 6 or 7
>inches above the ground. I think that the antenna is terminated somehow. I
>heard that they are used in broadcast band dxing and that people have had
>fantastic dx usine the antennas. I would be interested in any technical info-

The Beverage antenna was conceived decades ago as a transmitting antenna (primarily) which provided a low angle, unidirectional pattern. Ham radio books such as the ARRL Antenna Book will have more information about this design. It appears to me to be a somewhat specialized, dedicated purpose type antenna setup that wouldn't be useful for dx reception from diverse directions. Also, an antenna several wavelengths long at broadcast AM frequencies could begin to be a mile in length.

The all time best AM broadcast band DX antenna would be an active loop antenna located some distance from the house, electrical wires, etc. The loop would of course be remotely rotatable. The gain of this setup would be such that the baseline atmospheric noise it picked up on the quietest night would just override the receiver's internal noise. The long antenna you propose would tend to cause a receiver dynamic range problem without any real DX benefit.

Personally, I use a homemade wideband active antenna located about 100 feet from my house. This does MF and SW through 30 mHz. For MF (AM broadcast), it would be better if it weren't omnidirectional, but I was too lazy to put a rotatable loop outside. It is very important at MF to get away from noise sources.

Now if you want to talk FM DX, I got all sorts of specific ideas for that (I'm chief engineer of KWSS-FM, San Jose, CA)!

```
--
            w  ["]                           | WA6MBV
            |___|_____..duncan@zygot.ati.com | Jim Duncan
             H                            | +1 408-297-5977
          \_____I_____/  37 3 10N/121 59 10W  ---------------
```

From 3951884674329976308
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e5eb0bce58771394,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-30 22:44:21 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!caen!uflorida!gatech!mcnc!duke!zielke
From: zielke@duke.cs.duke.edu (David Zielke)
Newsgroups: rec.ham-radio
Subject: Apartment Operation...
Keywords: HELP!!!
Message-ID: <662613603@romeo.cs.duke.edu>
Date: 31 Dec 90 03:20:04 GMT
Organization: Duke University Computer Science Dept.; Durham, N.C.
Lines: 26

I have the misfortune of being a ham stuck in a basement apartment (half underground actually and two floors above) I have been trying to come up with some kind of radiator which does not extend out of the apartment (rules from the management).

The only thing which seems to be possible at this point is a dipole wound on a pole with some kind of matching network.

Thus, two questions:

1) Any other system which might work well
   (I would like 20 meters but will live with 10)

2) Suggestions for a cheap or easy to build transmatch
   which can handle the output from my Kenwood 820
   (About 200 watts max)

Please mail me directly as I am trying to catch up on my newsgroups but it is quite a battle...

David Zielke
KA4SLI

zielke@romeo.cs.duke.edu
zielke@physics.phy.duke.edu

From -6084798841801858409
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8de6fba8a978a0b0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-30 22:46:46 PST
Path: gmdzi!unido!mcsun!uunet!munnari.oz.au!csc.anu.edu.au!manuel!csc.canberra.edu.au!echo!skcm
From: skcm@echo.canberra.edu.au (Carl Makin)
Newsgroups: rec.ham-radio
Subject: Realistic PRO-30 HH Scanner.
Keywords: Extra freq coverage.
Message-ID: <skcm.662605035@echo>
Date: 31 Dec 90 00:57:15 GMT
Sender: news@csc.canberra.edu.au
Organization: Info Sci & Eng, University of Canberra
Lines: 8

I've seen reports on modifications to other Realistic Scanners so
does anyone have modes for the PRO-30. I'm not actually after any
specific frequency coverage but I am interested in what the beast is capable
of.

Carl.
vk1kcm@vk1kcm.act.aus.oc   Packet Address
skcm@ise.canberra.edu.au   Internet Address.

From -4509560422050665975
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6cbd01e133c635a6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-30 22:46:56 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!att!pacbell.com!ames!pioneer.arc.nasa.gov!chguest
From: chguest@pioneer.arc.nasa.gov (Charles J. Guest)
Newsgroups: rec.ham-radio
Subject: The comming no-code newbies... What has the FCC done to us this time?
Message-ID: <1990Dec31.063057.23062@news.arc.nasa.gov>
Date: 31 Dec 90 06:30:57 GMT
Sender: usenet@news.arc.nasa.gov (USENET Administration)
Reply-To: chguest@pioneer.arc.nasa.gov (Charles J. Guest)
Organization: ... a Republic... if you can keep it.
Lines: 131

What kind of a person would not go through learning the code to become a
ham radio operator? ...Certainly no one who we would want to see on the
air....

Its easy as walking down your own hall to learn code... heck if I could do it _anyone_ could do it.

...Besides _I_ had to learn the *&^%$%# code, why give these wannabe newbies a break?

Can you immagine what kind of person will be drawn into this hobby of ours if the nocode techie license comes in, I can see it now the pirate CB bandblaster type screaming breaker 19 for a bear on the side.... The code has kept this kind of person out for 20 years. Lets keep it that way.

...I wont even *talk* to a guy who gets a no-code techie license, I know of no _real_ ham who would even bother with people of this ilk.

Though in places the above was deliberatly overstated, the feelings put into words above have seemed quite prevelant on this newsgroup since the news release by the ARRL and the FCC relating to the new no-code ham license. This is not to say that all of the users here have been this way, in fact there have been some downright gracious posters who say they will be welcoming those of us without code class licenses with open arms. To them I say, thank you.

To the others, please consider that many of the people you will be "forced to live with" in this new radio world are not the music broadcasting, foul mouthed band jammers you left on channel 20 of the CB. Many if not most probably want to add to the hobby or enhance themselves through it in one way or another.

I was very serious about getting my ham ticket about ten years ago. I worked very hard studying the theory, the laws, and the code. I found the (novice) theory to be a challenge, but certainly not oppressive, the laws to be a breeeeeze, and the code to be totally insurmountable. I did all the usual stuff including the tapes and the records. I studied books on 'how to pick up the code' that were reccomended by hams who should have known what they were speaking of. I even had a few people help me study the dits and dahhs for hours on end, and after six months of trying, I gave it up as something that my mind just wasnt receptive to. I believe that I was a very comitted student and I did honestly try the best I could to pick it up. The sad fact is that some of us are more oriented to people or art or math while others find these subjects a waste of time and can't concieve of why anyone would spend the time with them.

Instead of becomming a ham, I was forced to be happy listening in on the short wave radio and a couple of scanners. I have learned a lot about dxing from this and no small amount about making and erecting antennas....so it isn't all for nothing.

Now that the no-code license has been proposed, I expect to finally receive that ticket that I tried so hard for years ago. I have a particular interest in disaster preparadness and emergency response. I have a proven ability in these areas and know from experience that I can maintain a calm reasoned thought process when in a true emergency situation. Like others I expect to enjoy the 2 meter rag chewing and the usual bs that most hams play with, but I also intend to give something back to the hobby that not only helps the local community, but can result in damn good press for the ham fraternity as well.

However..... if the vast majoity of the 'old guard' choose to dismiss those of us who are lucky enough to get our no-code tickets, without giving us a chance to learn the ropes and get mature enough in the hobby to give something back to it, you will have a self fulfilling prophecy. You will 'scare' away those who might care and could help the hobby out and be left only with that minority who don't give a damn anyway. I think we can all agree that this would be a travesty and might just bring down a great part of the hobby to the level of alt.flame.

Having said all of that I feel I can now climb down off of this lofty pearch of a soapbox and humbly ask a few questions.....

A) I have been away from the ham side of things for so long that I am even in a quandry as to what to look for as far as books on the subject. I suspect that ARRL still puts out quite a library, but I am more interested in something to help get the license that is less stilted in the ways (and pockets) of the ARRL. There was a set of books out several years ago that essentially took you through what you could expect to see on the exams and gave you a pretty good background on the exam and the possible questions. Do these still exist? Can you reccomend anything else that might be helpfull?

B) My wife and I have talked about her geting into this in a lesser way, mostly to help out with emergency traffic and to keep in touch when we are appart or separated because of an emergency. I vaguely remember something about family members working equipment in times of emergncy, but I can't be certain. Is there a way for her to legally use the radios either in tandem with me during emergency work, or by herself to contact me if we are sepparated due to natural disasters etc? She will probably get her own ticket too thanks to the dropping of the code requirement so this may become a moot point.

C) One of the big draws, asside from helping others, to the ham hobby was the ability to talk across the country and overseas. Since this is not going to be possible for me on the HF bands, have there been any developments in the last ten years that could be of interest to me in this regard? I understand that there is some sattelite stuff open to ham operators, and I am currious about what it might cost to set up a shack for transmission and reception in that area as well as anything else.

D) Keeping a budget in mind, if you had to start all over again buying new equipment for your shack what would you consider buying. I am interested in handhelds as well as base station style goodies. I will not be installing mobile rigs in our vehicles sans the handhelds on the next seat. :-) (Give me a starting place here folks...)

Thanks in advance for your help. If you feel the need to flame
do it by e-mail, if not then any other comments or suggestions you have
would be most welcome.

Charles

```
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
+ *READ* ---> The opinions expressed above are to the best of my knowledge, +
+ however all options should be discussed with persons who have professional+
+ training with the subjects covered here. * ALL POSSIBLE DISCLAIMERS APPLY!+
+ ____FROM: chguest@pioneer.arc.nasa.gov =>or<= sun!ames!pioneer!chguest____+
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
+  ...One useless man is called a disgrace, two are called a law firm, and  +
+     three or more become a congress....                                   +
+ A new Soviet/American truism - KGB does NOT stand for Kinder Gentler Boys +
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
```

From 2847383969540714515
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9feb1bdab4cd0b4e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-30 22:47:56 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!eagle!data.nas.nasa.gov!pioneer.arc.nasa.gov!brosen
From: brosen@pioneer.arc.nasa.gov (Bernie Rosen -- ZeroOne)
Newsgroups: rec.ham-radio
Subject: Re: CW for pilots
Message-ID: <1990Dec30.172856.9008@nas.nasa.gov>
Date: 30 Dec 90 17:28:56 GMT
References: <9012300306.AA15667@tilde>
Sender: news@nas.nasa.gov
Reply-To: brosen@pioneer.arc.nasa.gov (Bernie Rosen -- ZeroOne)
Organization: NASA Ames Res. Ctr. Mtn Vw CA 94035
Lines: 19

In article <9012300306.AA15667@tilde> dube@cpdvax.csc.ti.com writes:
>In <waters@darla.tmc.edu (Strawberry Jammer)> Mike says:

(lots deleted)
>
>Nowadays, many (if not all) stations use voice identifiers, so there may not
>even be a requirement to learn the morse characters now.

Not quite true. Although many of the VOR (navigation) stations do
have voice identifiers, other navigational aids such as ILS
(Instrument Landing System) nav-aids have only three and four
character morse code identifiers.

You are right that morse code, as such, is not a requirement for getting a pilot's license, but a rudimentary knowledge of it is quite helpful.

73's
Bernie

From -3588234388239991305
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dc03440b3eabb5d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-30 22:51:32 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!WSMR-SIMTEL20.ARMY.MIL!LSPRINGSTEEN
From: LSPRINGSTEEN@WSMR-SIMTEL20.ARMY.MIL (Larry L. Springstee)
Newsgroups: rec.ham-radio
Subject: RE: Macintosh Sat Track Pgms
Message-ID: <12650049420.26.LSPRINGSTEEN@WSMR-SIMTEL20.ARMY.MIL>
Date: 31 Dec 90 02:36:52 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 46

RE:Macintosh satellite prog

HI WIGI,

I saw Patty's posting about the satellite programs and their availability. I am using MacSat 1.1.3 and I bought it from

BEK Developers
1732 74th Circle NE
St. Petersburg, FL 33702.
for $10.00

I also down loaded an older version (MacSat 1.1) that is the same program from the SIMTEL20 [PD3:<MACINTOSH.APPL>: MACSAT.SIT](wsmr-simtel20.army.mil 26.2.0.74) for FREE!! I'm sure that there are other sites that will allow downloading). The only difference is the one I paid money for had a version that also ran on the Mac II (made use of the co-processor) as well as a version that ran on the 512KE and up (that's two programs for the price of one). The purchased program also came with a manual that has pictures and explanations of the various options. The free program comes with some docs but for $10 it's hard to bear it.

I also got the Amateur Radio #1 from Kinetic Designs that had an earlier version on it (MacSat 1.1).

If you have a 512KE, Plus, SE then you can't use the program that uses the co-processor. The MacSat2 1.1.3 was written for the Mac II + SE30 machines. The MacSat 1.1.3 was written for use on ALL machines above the FatMac (512K).

I have tested MacSat (both versions) output against the Mainframe and the $10 MacSat is equal to the Mainframe's output. The speed of MacSat is much slower (naturaly) but the data is close (down to one tenth of a second and one tenth of a degree).

I hope this answers some or all your questions, give me a shout if you have any more.

73
Larry
-----
e mail--> LSPRINGSTEEN @ WSMR-SIMTEL20.ARMY.MIL
Packet--> LARRY WB8LBZ @ K5WPH.NM.USA.NA
Ma Bell-> W (505) 678-1912/1913/2330/2039   any one
          H (915) 821-3021 after 1600 before 2000 MST(MDT)
DISCLAIMER: I have no connection with BEK Developers except that I am a
            satisfied customer.

From 7183531976529012955
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4b95bc5678e9cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-30 22:52:43 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Confirmed SAREX QSO
Message-ID: <888.277E68C1@w8grt.fidonet.org>
Date: 31 Dec 90 03:31:01 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 25

> From: garym@sugar.hackercorp.com (Gary Morris)
> Date: 30 Dec 90 19:30:46 GMT
> Organization: Sugar Land Unix - Houston
> Message-ID: <7412@sugar.hackercorp.com>
> Newsgroups: rec.ham-radio
>
> In article <1990Dec22.015315.24141@ims.alaska.edu>,
> ftpam1@acad3.alaska.edu (MUNTS PHILLIP A) writes:
> >   Just out of morbid curiosity, what was the highest latitude that the
> > SAREX was worked from?
> >
> In the debriefing, Ron mentioned that he had a voice contact with a
> VE3? in extreme southern Ontario, Canada. The expected northern limit
> was 42 deg N latitude which just touches Ontario.

For those not familiar with the area, the southern point of Ontario jutting into Lake Erie is the southernmost part of Canada, several hundred miles south of many parts of the lower 48 states of the U.S. They call it their "Sun Porch". Pretty place. Rather like Ohio. [:-)

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 6947657573123598720
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8ae3dcbc90f47923,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-30 22:54:43 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!lynx.northeastern.edu!sehrlich
From: sehrlich@lynx.northeastern.edu
Newsgroups: rec.ham-radio
Subject: HTs and Die Hard
Message-ID: <memo.644858@lynx.northeastern.edu>
Date: 31 Dec 90 04:23:28 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8

Does anyone know which model(s) HT(s) were used in the movies Die Hard 1 and 2? And, what can you tell me about their performance and price?

Thanks much for any info. you can give me.

73s de KA1WNU
Please e-mail to sehrlich@lynx.northeastern.edu
:-)

From -7116950151277502148
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ce8d34e942131eb6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,ce8d34e942131eb6,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-12-30 22:56:22 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!rutgers!ka2qhd!ka2raf
From: ka2raf@ka2qhd.UUCP (Chris Crosby KA2RAF)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Voice of Peace Bagdad (Kuwait?)
Keywords: new frequency/wierd music
Message-ID: <392@ka2qhd.UUCP>
Date: 30 Dec 90 18:32:23 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 11
Xref: gmdzi rec.radio.shortwave:3263 rec.ham-radio:18572

Thanks to a call from KA2QHD, a new frequency of 15505 is being used by
the Voice of Peace in Bagdad? (ex 500KW freq for Kuwait/no suprise,eh?)
1800Z with American Infidel music like Stones and a non-Zepplin version of
"Stairway to Heaven"...

Anyone know where I can get that on CD??? What a guitar solo...
more info later... they gave a schedule but thier muddy audio
got the best of it....
73 de Chris

```
From -8539191364314969472
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9feb1bdab4cd0b4e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-30 22:56:50 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!think.com!masscomp!ocpt!
tsdiag!overlf!emanuele
From: emanuele@overlf.UUCP (Mark A. Emanuele)
Newsgroups: rec.ham-radio
Subject: Re: CW for pilots
Message-ID: <1853@overlf.UUCP>
Date: 30 Dec 90 23:59:31 GMT
References: <9012300306.AA15667@tilde> <1181@public.BTR.COM>
Organization: Overleaf, Inc.
Lines: 24
```

In article <1181@public.BTR.COM>, rah@public.BTR.COM (Richard A Hyde rah@btr.com) writes:

> I don't know about the Air Force, but there is no *civil* requirement to
> know morse as a pilot. The station identifiers are still often in morse,
> but the dot-dash pattern is printed right on the chart..
>
> 12 years of flying didn't help much on my Novice code test :-)

but 12 years of CW helped my flying. !!!
I spend MUCH LESS time trying to figure out station ID's than my instructor!!

N2CBO

--
Mark A. Emanuele
V.P. Engineering Overleaf, Inc.
500 Route 10 Ledgewood, NJ 07852-9639   attmail!overlf!emanuele
(201) 927-3785 Voice   (201) 927-5781 fax   emanuele@overlf.UUCP

From 2909763368298124680
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fbb09cfe91c28da5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,fbb09cfe91c28da5
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-12-30 23:04:33 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!agate!linus!philabs!ttidca!paulb
From: paulb@ttidca.TTI.COM (Paul Blumstein)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Info Request (beverage antennas)
Message-ID: <22253@ttidca.TTI.COM>
Date: 31 Dec 90 01:58:03 GMT
References: <1265@kb2ear.UUCP>
Organization: Citicorp/TTI, Santa Monica
Lines: 9
Xref: gmdzi rec.radio.shortwave:3265 rec.ham-radio:18575

There is a lot of technical info on Dr. Beverage's antenna in The ARRL Antenna Handbbok.

```
=====================================================================
Paul Blumstein    |         BE KIND TO SMOKERS
Citicorp/TTI      |       we won't be around much longer
Santa Monica, CA  +--------------------------------------------------
{rutgers,philabs,psivax,pyramid}!ttidca!paulb  or  paulb@tti.com
DISCLAIMER:  Don't believe everything I hear or anything you say
```

From 6177833598162607536
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e6d927ff5d38c060
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-30 23:28:02 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: CODE on the "HF" CB band!
Message-ID: <1990Dec31.063643.12092@athena.cs.uga.edu>
Date: 31 Dec 90 06:36:43 GMT
References: <4701.2779BEDE@urchin.fidonet.org>
Organization: University of Georgia, Athens
Lines: 2

Are you sure you weren't hearing an image of something 910kHz higher?
What are your IF frequencies?

From 2569857666949605185
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84c1578ae23421fa

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-30 23:28:46 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!root
From: root@n8emr.UUCP (Root)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1970@n8emr.UUCP>
Date: 31 Dec 90 05:16:01 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 58

From n8emr!N4WBO Sun Dec 30 13:34:34 1990
Return-Path: <n8emr!N4WBO>
Message-Id: <m0iq6wO-0000u4C@n8emr.uucp>
[Date: Sun, 30 Dec 90 12:39 EST
[To: <ALL@ARRL>
R:901230/1640z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:15754 Z:43232
R:901230/1535z @:W8CQK Columbus, OH #:8865 Z:43229
R:901230/0509 @:WB8BII.OH.USA.NA Cuyahoga Falls, OH #:16550 Z:44223
R:901230/0511 @:N8DTN.OH.USA.NA Doylestown, OH #:5099 Z:44230
R:901230/0845z @:KA8Z.OH.USA Canton, Oh. #:41263 Z:44705
R:901229/0243 @:KC8JN.#EOH.OH.USA.NA Wintersville, OH #:10037 Z:43952
R:901225/2342 @:NO3M.#WPA.PA.USA.NA Mt. Lebanon, PA #:17938 Z:15228
R:901225/2055z @:W8SP.WV.USA.NA Fairmont #:12147
R:901225/1724z @:KA3NVP.#WPA.PA.USA.NA $:4061_N4HOG #:33966
R:901225/1302z @:WA2PVV.NY.USA.NA Valatie, N.Y. #:56755 Z:12184
R:901225/1206z 14137@N4QQ.MD.USA [Silver Spring,Md]  Z:20901
R:901225/1134z 64837@WA3ZNW.MD.USA.NA [Wheaton,Md] Z:20906 F:221.010
R:901225/1129z 15534@NB3P.MD.USA.NOAM [Balto/Wash 21043] N:DCA1/FDK
R:901225/1106z 27010@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]
R:901225/1101z @:N3GIY.MD.USA.NOAM Port Deposit #:477 Z:21904
R:901225/0941z 19391@KD0M.MD.USA.NOAM [Salisbury, MD]  Z:21801
R:901225/0545z 12988@WA4TVS.VA.USA.NOAM [Parksley, Va.] Z:23421
R:901224/2121r 33222@WB0TAX.VA.USA.NOAM [Hampton] Z:23666
R:901225/0209z 4061@N4HOG.VA.USA.NA [Newport News, Va.] Z:23606
```

I was surprised to read that the ARRL is considering opposing the new code free Technician license. This is a really bad idea for at least two reasons:

1) This sounds like a way to eliminate what little good will may remain between the bureaucrats of the FCC and ham radio. The FCC plan gives us a useful code free license class with little or no cost to the government. Cost is everything to the government these days.

2) The idea is a basically a good one.

I've taught a number of Novice and Technician classes, and I've seen first hand the loss of good potential hams to the code. It seems like a lot of folks have a lot of trouble with the code, and an almost equal number have trouble with theory. Now I can get the ones with theory problems on the air as novices, and the code haters can go straight to tech. I am sure that anyone who takes the time to learn the theory to the technician level has more than a casual interest in radio, and won't abuse the our privileges. This will be really great for schools, who can more easily justify "time on task" for study of electronics than for study of an economically useless skill like code.

I urge everyone to contact your ARRL director and urge them to support the FCC code free proposal.

73,

Jim Howard, N4WBO @ N4HOG.VA.USA.NA

From -5797474865091091179
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6cbd01e133c635a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-30 23:33:08 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: The comming no-code newbies... What has the FCC done to us this time?
Message-ID: <1990Dec31.064215.12214@athena.cs.uga.edu>
Date: 31 Dec 90 06:42:15 GMT
References: <1990Dec31.063057.23062@news.arc.nasa.gov>
Organization: University of Georgia, Athens
Lines: 29

Well said, sir! Any radio amateurs who will not tolerate modernization of the license requirements are digging the grave of the Amateur Radio Service.

To put it bluntly,
(1) We are no longer training the Signal Corps for World War I;
(2) The FCC does not give us spectrum primarily to preserve traditions.

I use CW myself; it's a nice mode, but it's no longer the only mode we've got. I sometimes think the no-code license would have been easier to introduce in 1950 than in 1990; 40 years of ossification have set in, and too many hams have gotten the idea that licenses are a matter of tradition or simple drudgery rather than technical qualification!

The question I would put to those who continue to oppose no-code (including, perhaps, some of the ARRL leadership) is this:
Will there ever be a time in the future when license requirements are different from what they are now? Do we modernize, or do we fossilize?

I thought about no-code for a long time before taking a position on the issue. Apparently, this is a very rare practice; most people made up their minds before they knew exactly what was proposed or why.

I came out only mildly in support of no-code, but I'm gradually turning into a raving fanatical defender of the no-code license simply because the things that are said *against* it are so dumb!

Welcome to amateur radio. Let me know if I can help. vy 73 de N4TMI

From 8273408278647943918
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93f76d752f88cffd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 00:37:13 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Summary: re handicapped waivers
Message-ID: <719@wells.UUCP>
Date: 31 Dec 90 06:44:51 GMT
References: <883.277E0D4D@w8grt.fidonet.org>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 65

In article <883.277E0D4D@w8grt.fidonet.org>, jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

>
> > From: k3tx@wells.UUCP (Dave Heller)
> > Date: 30 Dec 90 04:47:57 GMT
> > Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
> > Message-ID: <714@wells.UUCP>
> > Newsgroups: rec.ham-radio
> >
> > This handicapped waiver business is a farce. Let's see what a few of
> > the
> > "handicapped" think about it.
>
> Speaking as one with muscular dystrophy, I find your total insensitivity to
> be objectionable and offensive in the extreme.
>
> And to think, your callsign indicates that you are one of these highly
> superior Extra Class licensees. You, my friend, are a living example of what
> we've been saying here - learning code is not a measure of intelligence or
> education.
>
> Indeed, I'm beginning to wonder if the opposite may be true. It is a
> recognized phenomenon of psychology that people with certain severe brain
> disorders can be taught to perform simple mechanical skills with a high

> degree of proficiency. The theory, I guess, is that higher order brain
> functioning does not help and may even hinder the accomplishment of skills
> that do not require reasoning ability. That would certainly explain you and
> your fellow Penn Wireless Association members.
>
> --
> Jim Grubs - via the friendly folks at UUNET

If you noticed, I mentioned that as I understand the farcial waiver business
I'd have no big trouble getting a waiver myself. Of course I didn't - was
about 30 years too soon getting the X.
What does Frank Spicer - totally blind and deaf, and no youngster either - thinkof
it? Ask him. He EARNED his Extra.
Do you remember Clif Korne, K9EAB, now S.K., the ultra proficient ham in the
iron lung? He didn't need a waiver; probably couldn't have got one because
he could pass the test without.

The real answer is: It's true that -maybe- some handicapped persons can't pass
the code test because of some physical failing. It also appears that many
who have no claim to being "handicapped" can't pass the test. It's too damn
bad that each and every one of us can't do everything. There are a hell of
a lot of things I can't do because of physical limitations.
And the whole thing started because Pres. Bush got a bug up his ass and sent
a memo to FCC.

What credentials does the average MD or DO have for deciding whether you or I
can't pass the CW test "because of ***"? Hell, most of them are sloppy about
deciding who's qualified for a handicapped parking permit.

I will repeat: it's a farce. Is your muscular distrophy limiting you
more than Frank Spicer's blindness/deafness? Or maybe K3KTH. I haven't heard
or seen ofhim for a few years, but had the pleasure of meeting him often many
years ago. Bill was, of course, wheelchair-bound; restrained because of his
spastic condition. Intelligent? No, brilliant. He was able to send by
foot, and passed the test because he wanted the ticket.

I expected - even hoped for - some >comments< on my posting. Let's have more.

Incidentally, about the no-code: It's an elegant solution; it should work.

73 and hny to all

I'

From 447254015800649793
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,822014fa21599fe2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 03:21:01 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio

```
Subject: Re: Name of new TECHNICIAN LICENSE
Summary: underwater telephone
Message-ID: <717@ssc.UUCP>
Date: 31 Dec 90 05:48:01 GMT
References: <1990Dec17.232725.23542@cbnewsj.att.com> <7500073@hpfcso.HP.COM>
Organization: very little
Lines: 21

In article <7500073@hpfcso.HP.COM>, ron@hpfcso.HP.COM (Ron Miller) writes:
>
>    a. For UQC (underwater telephone) when voice reverb or s/n was
>       too poor. The manual CW button  on the box was good for
>       the occasional 'R'  or 'C'. (But the other station needed
>       to know morse too. Send slow so they can read the table off
>       the side of the box!)

Tell us more about this "underwater telephone".  Is this for two subs in
the same area to talk to each other?  How did it work?



Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP


From -2383676711241079421
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49a1613ff9e97fb1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 03:21:16 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: contacts wanted
Summary: racist slur
Message-ID: <719@ssc.UUCP>
Date: 31 Dec 90 06:11:32 GMT
References: <1990Dec29.212038.2552@ux1.cso.uiuc.edu> <712@wells.UUCP>
Organization: very little
Lines: 20

In article <712@wells.UUCP>, k3tx@wells.UUCP (Dave Heller) writes:
> I'm at a loss to understand this posting.
> If I read it properly, Carl Hovey, who allegedly has
> an Advanced license, and a rig, albeit one opf
> of the highly touted and heavily advertised
> Jap riceboxes (admittedly the Icom lines have
```

^^^

Please don't use racist slurs on rec.ham-radio.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 6369128521302510010
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,652a5132a0b56e7a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fdd95,2b4146ad356ec860
X-Google-Attributes: gidfdd95,public
X-Google-ArrivalTime: 1990-12-31 03:21:22 PST
Path: gmdzi!unido!mcsun!uunet!w3vh!rolfe
From: rolfe@w3vh.UUCP (Rolfe Tessem)
Newsgroups: rec.ham-radio
Subject: Re: Equipment ideas for the Microsats
Message-ID: <112@w3vh.UUCP>
Date: 31 Dec 90 10:47:49 GMT
References: <695@sousa.enet.dec.com> <1722@ke4zv.UUCP> <111@w3vh.UUCP>
<1750@ke4zv.UUCP>
Organization: W3VH Packet Radio Gateway
Lines: 22

gary@ke4zv.UUCP (Gary Coffman) writes:

>It rather depends on your equipment's ills. If you have a 2 meter transmitter
>or amplifier that puts out broadband noise, a common problem, a 2 meter
>filter on the 2 meter output will do wonders while a cavity on the 70 cm
>side won't help at all.

Correct. My point was that of all the folks I've talked to with desense
problems (which encompasses a wide variety of equipment configurations)
I haven't found anyone for whom the *Spectrum* filter did any good. Lots
of people have bought these things, only to throw them into their junkbox
the next day; if yours helps out with Mode J desense, then you're definitely
the exception.

Rolfe

--
Rolfe Tessem | Lucky Duck Productions

```
rolfe@w3vh.UUCP        | 17 Saint Luke's Place
{uunet}!w3vh!rolfe  | New York, NY 10014
(413) 528-5966         | (212) 463-0029
```

From -954425586730524726
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b470a29ecbc287ef,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,b470a29ecbc287ef,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-12-31 03:21:33 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!rex!ames!amdahl!JUTS!kpc00
From: kpc00@JUTS.ccc.amdahl.com (kpc)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Question on Hallicrafters SX-146 / neat AM radio trick / receivers
Message-ID: <KPC00.90Dec31023840@JUTS.ccc.amdahl.com>
Date: 31 Dec 90 10:38:40 GMT
Sender: kpc00@ccc.amdahl.com
Organization: my-organization
Lines: 55
Xref: gmdzi rec.radio.shortwave:3269 rec.ham-radio:18586

I don't subscribe here, but I have questions that I hope a kind reader or two will be able to help answer for me.

1. I own a Hallicrafters SX-146 receiver, and I wonder:

   o From a practical perspective, does it do anything that, say, one of the new mini Sony receivers that costs one or two hundred dollars doesn't do? It has all kinds of switches and dials for sidebands and all, but I don't know whether they have been superseded in the new receivers or not.

   o Does it receive any frequencies that one of the new receivers don't? Does it receive weaker transmissions?

   o What kind of a resale value does it have? I have the manual and schematics, and as I haven't used the receiver for several years, and just moved into a very small apartment, I will probably want to sell it. Would it be appropriate to ask on rec.ham-radio.swap? (I won't unless somebody sends me email and says it's OK.)

2. I used to take an old tube AM radio and attach a long coil of wire to the tuning capacitor and get shortwave transmissions. I wonder:

   o Can modern radios of any kind do this? I tried it on a new GE AM radio and had no luck except for a CW-like transmission that might have been from any frequency including the top end of the AM spectrum.

o This, IMHO, is really neat! :-). (I got Canada and the USSR, I think, and other countries.). Have others discovered this? Could a similar trick be used to effect transmission?

3. I wonder about the the modern mini receivers:

o Do they have limiter circuits to prevent reception of particular frequencies?

o Do they use jumpers or more permanent methods of limiting frequencies that one can get? Is it a legal requirement?

4. I probably won't be getting one anytime soon, but if I do get a mini receiver (the Hallicrafters is too big for me, believe it or not), what type and/or brand do you recommend? I would want a small receiver that receives lots of frequencies.

It would be wonderful if you could reply by email.

Thanks!
--
If you do not receive a reply from me, please resend your mail;
occasionally this site's mail gets delayed.

Neither representing any company nor, necessarily, myself.

From -7736453249089656086
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8168352f277c995,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 04:36:44 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: New Techs and CW Operators
Message-ID: <9012311218.AA25202@cmr.ncsl.nist.gov>
Date: 31 Dec 90 12:18:34 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 38

Even though I opposed the no-code license, it seems very foolish to discourage the potential newcomers. Instead of driving them out, we should be doing all we can to ensure that the majority of the new hams are of the highest possible quality. No-code is here, it most surely is on 6 and 2, do what you can to get as many high quality newcomers as you can.

Since the FCC didn't buy my position that the new licensees should be located above 220 MHz (to supply a critical mass so that manufacturers would promote equipment for these bands), we're going to have to work much harder to retain our lightly-used microwave spectrum. (Yes, I know, they passed the same written test, they should have full VHF-and-up privileges.)

The assembled multitude might be interested in the following small display ad which appeared in the December 24 issue of "Broadcasting".

```
                     RADIO
                Help Wanted Technical

         +----------------------------------+
         |             HELP WANTED          |
         |           RADIO OPERATORS        |
         |                                  |
         |    FCC LICENSED CW OPERATORS     |
         |           FOR HIGH SEAS          |
         |                                  |
         |      PUBLIC COAST STATION        |
         |         GALVESTON RADIO.         |
         |                                  |
         |         CALL: E. MURRAY,         |
         |         GENERAL MANAGER,         |
         |          409-925-1844            |
         +----------------------------------+
```

73, Bob   W3OTC

PS: Tnx to Paul for organizing the U of MD Radio Club alumni/ae dinner.
PS/2: Would someone please post the Report and Order on 90-55, or at least
      E-mail me a copy?

From -8008977768340742802
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5fc35e3604be978e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,5fc35e3604be978e
X-Google-Attributes: gid114aac,public
X-Google-Thread: 105d97,5fc35e3604be978e
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-31 04:42:17 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!mips!bridge2!api!gpz
From: gpz@ESD.3Com.COM (G. Paul Ziemba)
Newsgroups: rec.radio.shortwave,rec.ham-radio,sci.electronics
Subject: Re: Ground Plane for my CB antenna
Message-ID: <gpz.662629519@api>
Date: 31 Dec 90 07:45:19 GMT
References: <B12yu1w163w@ozonebbs.UUCP>
Sender: news@bridge2.ESD.3Com.COM
Followup-To: rec.radio.shortwave
Lines: 72
Xref: gmdzi rec.radio.shortwave:3271 rec.ham-radio:18589 sci.electronics:10439

steven@ozonebbs.UUCP (Steven Rubin) writes:

+I want to put the antenna on my roof, but I am having trouble
+finding a good ground plane. The manager at Radio Shack suggest getting a
+peice of sheetmetal for a ground plane. How big should I make the sheet
+metal?

1. Yet Another Reason to Avoid Radio Shaft (YARTARS)
   This radio shlak person, like most, is talking through his hat. I can see the headlines now..._18-foot flying saucer lands on house_. I can not imagine buying, let alone installing, such a collossal piece of metal. Where does radio slock find these incredibly dense people?

2. a. The bad news: the ground plane should be at least a quarter-wavelength in radius, which, for 27 MHz, is about...(slip, slip, slip)...107 inches.

   b. The Good news: it doesn't have to be solid; in fact, you can get away with three or four pieces of wire instead.

Side view:

```
         |
         |    (center conductor of coax connects to this)
         |
         |
   ------+------ ground plane (braid of coax connects to this)
```

Top view:

```
         |
         |
         |
    -----+-----
         |
         |
         |
```

Sometimes people bend the ground plane radials downward, which raises the feedpoint impedance of the antenna from ~30 ohms to something closer to 50 ohms. This is desirable because the most if not all CBs are designed to operate with a 50 ohm antenna impedance. Note that the radials do not have to be stiff...they can be pieces of wire tied down at both ends. They should be connected electrically in any case.

Base station antennas of this sort usually have a full-length quarter-wave vertical element, as opposed to a physically shorter one with a coil. What type of antenna are you currently using? I'm guessing it's a mobile antenna with a loading coil of some sort. If that is the case, you might be better off just buying a regular base station antenna as long as you are going to this much trouble, since the full-length antenna will perform somewhat better (how much better? well, maybe 36.438764356 percent).

Wow, it's a good thing I don't read rec.ham-radio, since there will most assuredly be 6.02E23 other replies all saying this same thing, or pointing out that a full-length antenna will really perform 36.438764357% better, or asking if the resulting antenna would be FCC type-accepted or would it be against the rules part 95.7863(a) paragraph 3 section t etc. etc. etc. :-)

Good luck!

~!paul

Discalimer: I am not a CBer.
--
Paul Ziemba api!gpz gpz@ESD.3com.com 408.764.5390

You don't exist. Go away.

From -5247361103264871969
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5fc35e3604be978e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,5fc35e3604be978e
X-Google-Attributes: gid114aac,public
X-Google-Thread: 105d97,5fc35e3604be978e
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-31 05:32:23 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!unmvax!bbx!yenta!dt
From: dt@yenta.alb.nm.us (David B. Thomas)
Newsgroups: rec.radio.shortwave,rec.ham-radio,sci.electronics
Subject: Re: Ground Plane for my CB antenna
Message-ID: <1990Dec31.093359.17535@yenta.alb.nm.us>
Date: 31 Dec 90 09:33:59 GMT
References: <B12yu1w163w@ozonebbs.UUCP>
Organization: yenta unix pc, rio rancho, nm
Lines: 32
Xref: gmdzi rec.radio.shortwave:3272 rec.ham-radio:18590 sci.electronics:10441

steven@ozonebbs.UUCP (Steven Rubin) writes:

>I am setting up a CB in my house, and I am having problems with a ground
>plane.

I had very good luck with a quarter wave (104") mobile whip mounted on the roof of my house (secured to a short mast), with three (four would have been better still) quarter wave (104") ground radials (#14 wire or thicker) sloping down at about 30 degrees below horizontal.

The radials should be electrically connected to the "ground" connection at the base of the antenna, and the far ends should not be touching or near to anything conductive. I used nylon ropes to hold the radials in place, and the radials/ropes became guys to support the structure as well! #14 or heavier wire is best for the radials.

The antenna performed nicely with an SWR of 1.1:1 on all 47 channels.
(40 if you prefer not to count varactor magic) :->

Another friend did something similar with a center-loaded whip. The results were acceptable, but not as good as I got with the long whip (not surprising).

Now, I was just imitating other working designs, without any really good understanding of antenna theory, so there are undoubtedly things I could have done better. Please do post, so we can all learn.

[Note: I left the crossposting since this seems to apply to all the groups.]

little david

--
This is my .sig. n?e .sgurd no gis. ym si sihT

From -927749616935980188
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4894f133cff41a6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 07:03:15 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!fab8.intel.com!rharel
From: rharel@fab8.intel.com (CAL-LAB (MS:JER2-85 TEL:7589))
Newsgroups: rec.ham-radio
Subject: RF and the outer limits...
Message-ID: <9012311443.AA29811@hermes.intel.com>
Date: 31 Dec 90 14:43:49 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 27

Ever wonder why after all the billions of dollars and countless man-hours spent on searching for extra-terrestrial RF signals that we've come up with NOTHING ! ? I don't have the answer either. However, one possiblitity is that if there are technically advanced societies out there who at one time used RF to communicate, for one reason or other they stopped. Perhaps they realized RF is a potential health hazard and power levels by law are either kept to a bare minimal or/and everything goes over cable (fiber optic or whatever other medium). Will a distant planet perceive of a "Voyager" spacecraft as an "Enemy Intruder" if it is mapping the planets surface from above by means "radar mapping" ? Perhaps they have reached the mental ability to communicate via telepathy. Perhaps they stopped transmitting a million years ago and they were only transmitting for a span of 500 years. If this was the case, we would have lost their "window" of time in our mear 50 or so years of listening. Perhaps we are the only one's around or the only planet using RF ? Perhaps they destroyed themselves in a CW vs. Phone ops war.
I'd be interested in hearing some of the Net Reader comments re: RF and Sci-Fi/Sci-Fact.
73,

Rich

```
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
E-Mail:                  |Pigeon:          |Land Line:  |Packet:|Heart:
RHAREL%FAB8@SC.INTEL.COM |P.O. BOX 6457    |972-2-785578|4X1DA  |Cute blondes
                         |JERUSALEM, ISRAEL|            |@4Z4SV |with blue eyes
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
```

Disclaimer:
..."The only thing we should be absolutely SURE about is that we can't be ABSOLUTELY sure of anything"

From -3133062983398689719
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1d80f72f3490c1c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 07:30:19 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!bloom-beacon!vaxeline!bootsie!olson
From: olson@bootsie.UUCP (Eric Olson)
Newsgroups: rec.ham-radio
Subject: A few new questions
Summary: Real questions for real hams :-)
Message-ID: <53@bootsie.UUCP>
Date: 31 Dec 90 09:19:42 GMT
Reply-To: olson@endor.harvard.edu (Eric Olson)
Organization: Lexington Software Design, Lexington, MA
Lines: 44

Hi again! Happy newt ears, everybody!

I have a few questions, after some sleepless nights trying to read the entire ARRL Handbook...

1. Is it legal to communicate via repeater in a band for which you are not licensed? The specific example that I suspect will become a common question is 2m->10m repeaters. Previously, there was no class of Ham operator that was licensed for 2m but not 10m... but the codeless tech cannot operate 10m. Can she operate 10m via the aforementioned repeater?

2. Can I sign up to take the Tech class _with_ code, fail the code, and get a no-code tech license? This is a very enticing (win-win) scenario for me, and would probably be an attractive option for a lot of the people lured in by the promise of no-code (e.g., those that like a challenge but don't like to _fail_ :-).

3. I'm confused about whether a repeater and/or phone patch can be run without local direct control operator supervision. Are all those repeaters out there really babysat all the time they're in use? What about digipeaters and other packet radio stations?

4. Is it legal to make a repeater that changes its output frequency via DTMF signals (and appropriate security codes a la phone patch)?

5. Anybody know of dialup BBS's about Ham Radio in the Boston Area? I downloaded a list of Ham BBS's from SIMTEL-20, but both the ones in Boston were no longer in operation at the listed numbers. If not, (or if so), I could start one within a couple of months.

6. Would a 100W 10m Transmitter to an antenna, say, 100 feet away, damage one of those full-coverage scanners? Would a 1KW Transmitter? 2m? It just seems like that would generate a lot of energy at the antenna of the scanner-- how much is too much?

Advancing you great thanks for your kind responses,

-Eric

```
--
Eric K. Olson, Editor, Prepare()       NOTE: olson@bootsie.uucp will not work!
Lexington Software Design              Internet: olson@endor.harvard.edu
72A Lowell St., Lexington, MA 02173    Usenet:   harvard!endor!olson
(617) 863-9624                         Bitnet:   OLSON@HARVARD
```

From 781679777253208278
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,825b36de01a4324b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 08:46:01 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!DICKINSN.BITNET!GRAY_S
From: GRAY_S@DICKINSN.BITNET ("Gray, Steven")
Newsgroups: rec.ham-radio
Subject: FOR SALE: Shure 444D and Hustler 4-BTV
Message-ID: <9012311632.AA08181@ucsd.edu>
Date: 31 Dec 90 15:20:21 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14

For sale:

*** Shure Microphone model 444D; purchased 2/14/90; $45.00

*** Hustler 4-BTV Multiband Vertical; purchased 8/22/90; $70.00

Both are complete with boxes, manuals, receipts. The 4-BTV was installed on a tower for 3 weeks, and is in excellent shape. The Shure has barely been used.

---Steve Gray
NR3B
(717) 258-5477
gray_s@DICKINSN.Bitnet

From -9195724885215073781

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d338956a38d0320,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 09:43:03 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Artificial Grounds
Keywords: RF Ground, Counterpoise
Message-ID: <47653@apple.Apple.COM>
Date: 31 Dec 90 17:30:39 GMT
Organization: Apple Computer Inc., Cupertino, CA
Lines: 38

In one of my more idle moments, I thought of a fun thing to try that could be useful to other folks out there that needs a decent RF ground at the spur of the moment, and have a spare ANTENNA TUNER (no kidding) handy.

It turns out that most antenna tuners out there would work as a ready made Artificial Ground (AG). An AG is a series LC tuned circuit that has an RF current probe. A long ground wire is passed through the series LC in the AG before it is connected to your rig's chassis, so that the ground wire's reactance can be tuned out. You tune for maximum RF current.

Well, if you look at the schematics of your antenna tuner, you may find that there is a combination of an L and a C in series between a connector and ground! My AEA AT-300 did (this became a spare tuner when I got a Ten-Tec 238 tuner that did a better job, with it's roller inductor, for my antenna experiments. The AEA is sort of OK, but...).

I connected the ground (20' to a cold water pipe) to the center conductor of the "Transmitter" connector and strap the chassis of the AEA tuner to my rig's chassis. That is all there is to it. The power meter on AEA senses just the right current and all.

If you think about it, almost any topology commonly used in antenna tuners with have an L and a C in series between a connector and ground. A two-C-one-L pi network does, a two-C-one-L T network does and, like the AEA unit, a two-L-one-C T network does.

Not the cheapest Artificial Ground but it may be the easiest way for a lazy (I am the first to admit I am one) person to experiment with artificial counterpoises.

73 and have a fun '91, folks,

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From -5540233670756849510
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,541c96eec544fa26,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,541c96eec544fa26,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-12-31 10:08:55 PST
Path: gmdzi!unido!mcsun!uunet!sbi!zeus!newt!jl
From: jl@newt.sbi.com (Jean-Louis Ecochard)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: CAPACITORS, RESONNANT FREQUENCY, R7000 to NRD 525
Message-ID: <410@newt.sbi.com>
Date: 31 Dec 90 16:49:46 GMT
Followup-To: rec.radio.shortwave
Organization: Systems Integration - Salomon Brothers, NY
Lines: 67
Xref: gmdzi rec.radio.shortwave:3277 rec.ham-radio:18595

THIS IS A TECHNICAL QUESTION
ABOUT CAPACITORS, RESONANT
FREQUENCIES AND IMPEDANCE

Equipment concerned: ICOM R7000, NRD 525

What I am doing:

I am connecting the 10.7 Mhz IF output from my ICOM R-7000 receiver to my NRD 525 HF receiver. This is done so I can use the better filtering and additional modes of the NRD on the VHF/UHF frequencies. Because the 10.7 Mhz signal is carried on top of 9 V DC, I am using a capacitor in series with the cable. I do not know the impedance of the 10.7 Mhz IF output on the R7000 (ICOM does not either) but the antenna input on the NRD is 50 Ohms.
The setup functions (I hear stuff) with a .001 uF capacitor but I would like to have a better match:

- Have the circuit wire-capacitor resonant at 10.7 Mhz to get the maximum current through and also act as a filter.
- Have the impedance matched at 50 Ohms.

In addition, I am also connecting the Audio output of the R7000 to the 50 Ohms input of the NRD to tune to SCA that are at 67 Khz and 92 Khz. A capacitor in series would block any unwanted DC and also act as a filter.

- Have the circuit wire-capacitor resonant at 67 Khz to get the maximum current through and also act as a filter. Same for 92 Khz.
- Have the impedance matched at 50 Ohms.

Questions:

1- What is the formula that gives the resonant frequency of a capacitor? The formula giving the resonant frequency of a circuit, f=1/(2*PI*SQR(L*C)) lets me wonder what value I should take for L Should it be the impedance of the coax (50 Ohms). The ARRL Handbook has a table of resonant frequencies for capacitors and specifies the length of the leads, but that table does not have anything for 10.7 Mhz or 67 Khz or 92 Khz.

2- To try to match impedance to 50 Ohms I am using the formula Xc=1/(2*PI*F*C) with Xc of 50 Ohms. This gives me a capacitor of ~ 300 pF for 10.7 Mhz (With a 52 Ohm coax it should really be 286 pF). Is this approach correct or am I totally mixing up Apples and Oranges ?

3- Because I am building 3 cables (10.7 Mhz, 67 Khz, 92 Khz) and because I want only those frequencies, I would like to have a high Q on the capacitor acting as a filter. Is this possible to achieve ? Note that these cables are used for reception only, therefore I do not have to worry about power.

4- How can I match the Audio output of the R7000 (I think it is 150 Ohms) to the 50 Ohms antenna input of the NRD 525 ?

I am more interested in the technical answers that someone stating "I use a xxx uF capacitor and it works fine for me". I want to know how to make it better.

Please reply to the net, as it may interest others.
Thanks.

```
--
Jean-Louis Ecochard                 O
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~./_\.~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
                                 (__Y__)                uunet!sbi!chi!jl
```

```
From 1204003255923028603
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4894f133cff41a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 10:15:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!att!bellcore!envy!karn
From: karn@envy..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: RF and the outer limits...
Message-ID: <1990Dec31.180227.17457@bellcore.bellcore.com>
Date: 31 Dec 90 18:02:27 GMT
References: <9012311443.AA29811@hermes.intel.com>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@envy.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 15
```

In article <9012311443.AA29811@hermes.intel.com> rharel@fab8.intel.com (CAL-LAB
(MS:JER2-85 TEL:7589)) writes:
>Ever wonder why after all the billions of dollars and countless man-hours
>spent on searching for extra-terrestrial RF signals that we've come up with
>NOTHING ! ?

Actually, there's a simple explanation for having heard nothing: so
far we've only listened to a tiny fraction of the search space
(duration, frequency, spatial direction) with enough sensitivity to
detect other earth-like civilizations. We have a lot more listening to
do before we can conclude there are no other earth-like civilizations
within X light-years. There are some major projects gearing up to do just
that. They're considerably cheaper than a "billion dollars", however;
a real bargain by NASA manned space flight project standards.

Phil

From 7542316843160458166
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,570d752a9e724902,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 10:16:26 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!f470.n101.z1.fidonet.org!Dave.Lydon
From: Dave.Lydon@f470.n101.z1.fidonet.org (Dave Lydon)
Newsgroups: rec.ham-radio
Subject: UHF ANTENNA QUESTION
Message-ID: <890.277F33E5@w8grt.fidonet.org>
Date: 31 Dec 90 18:11:02 GMT
Sender: ufgate@w8grt.fidonet.org (newsout1.26)
Organization: FidoNet node 1:101/470
Lines: 10

Given a "Rabbit"-type TV transmitter and receiver operating around 900 mhz, what
is a better & more directional antenna than the 3.5" vertical coming out of the
boxes? Thanks much.

Dave
--- TBBS v2.1/NM
 * Origin: Tom's BBS - Wollaston, MA - 617/471-3009 (1:101/470)

--
Dave Lydon - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!101!470!Dave.Lydon
INTERNET: Dave.Lydon@f470.n101.z1.fidonet.org

From -5185251898078595471
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f89f096923f5f8d0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 10:42:04 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!BLACKBIRD.AFIT.AF.MIL!

tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletin Format
Message-ID: <9012311824.AA22618@blackbird.afit.af.mil>
Date: 31 Dec 90 18:24:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 69

As a service to the satellite user community, the following description of the NASA Prediction Bulletin's two-line orbital element set format is uploaded to sci.space on a monthly basis. The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

==

Data for each satellite consists of three lines in the following format:

```
AAAAAAAAAAA
1 NNNNNU NNNNNAAA NNNNN.NNNNNNNN +.NNNNNNNN +NNNNN-N +NNNNN-N N NNNNN
2 NNNNN NNN.NNNN NNN.NNNN NNNNNNN NNN.NNNN NNN.NNNN NN.NNNNNNNNNNNNNN
```

Line 1 is a eleven-character name.

Lines 2 and 3 are the standard Two-Line Orbital Element Set Format identical to that used by NASA and NORAD. The format description is:

Line 2

Column	Description
01-01	Line Number of Element Data
03-07	Satellite Number
10-11	International Designator (Last two digits of launch year)
12-14	International Designator (Launch number of the year)
15-17	International Designator (Piece of launch)
19-20	Epoch Year (Last two digits of year)
21-32	Epoch (Julian Day and fractional portion of the day)
34-43	First Time Derivative of the Mean Motion or Ballistic Coefficient (Depending on ephemeris type)
45-52	Second Time Derivative of Mean Motion (decimal point assumed; blank if N/A)
54-61	BSTAR drag term if GP4 general perturbation theory was used. Otherwise, radiation pressure coefficient. (Decimal point assumed)
63-63	Ephemeris type
65-68	Element number
69-69	Check Sum (Modulo 10) (Letters, blanks, periods = 0; minus sign = 1; plus sign = 2)

Line 3

Column	Description
01-01	Line Number of Element Data
03-07	Satellite Number
09-16	Inclination [Degrees]
18-25	Right Ascension of the Ascending Node [Degrees]
27-33	Eccentricity (decimal point assumed)
35-42	Argument of Perigee [Degrees]
44-51	Mean Anomaly [Degrees]
53-63	Mean Motion [Revs per day]
64-68	Revolution number at epoch [Revs]
69-69	Check Sum (Modulo 10)

All other columns are blank or fixed.

Example:

```
NOAA 6
1 11416U          86 50.28438588 0.00000140           67960-4 0  5293
2 11416  98.5105  69.3305 0012788  63.2828 296.9658 14.24899292346978
```

Note that the International Designator fields are usually blank, as issued in the NASA Prediction Bulletins.

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

---

From -4663949813640080343
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5f69172087821785,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 10:43:09 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9012311823.AA22590@blackbird.afit.af.mil>
Date: 31 Dec 90 18:23:53 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 426

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

- Current NASA Prediction Bulletins #790 -

```
Alouette 1
1 00424U 62B-A  1 90352.80331432  .00000264  00000-0  30536-3 0  3775
2 00424  80.4619 104.0608 0022994 156.1277 204.0945 13.67430378407922
ATS 3
1 03029U 67111  A 90352.10687973 -.00000074  00000-0  99999-4 0  4851
2 03029  13.4163  19.5648 0021501 268.8319  90.9266  1.00272537 84633
Cosmos 398
1 04966U 71 16  A 90357.53802128  .00086164  18419-4  43300-3 0  3071
2 04966  51.5081 112.8873 2144624 152.4405 220.8862 11.33891052612898
Starlette
1 07646U 75010  A 90350.85556824  .00000026  00000-0  68097-4 0  1800
2 07646  49.8187 157.7075 0206179  74.7736 287.5852 13.82148254801041
LAGEOS
1 08820U 76039  A 90353.19958803  .00000005  00000-0  00000 0 0  1778
2 08820 109.8636  58.5065 0044495 199.5087 160.4038  6.38664335 85758
GOES 2
1 10061U 77048  A 90354.09103361 -.00000258  00000-0  99999-4 0  5348
2 10061   8.5015  61.4358 0003544  17.6121 342.3228  1.00261232 50871
IUE
1 10637U 78012  A 90350.23726702 -.00000184  00000-0  99999-4 0  1839
2 10637  32.5925 116.0102 1420818 358.2053   1.1859  1.00250513  8285
GPS-0001
1 10684U 78020  A 90356.41229131  .00000005  00000-0  99999-4 0  5835
2 10684  63.8160  83.7367 0124075 198.3462 161.2551  2.00555068 79627
GPS-0002
1 10893U 78 47  A 90355.40583625 -.00000023  00000-0  00000 0 0  2899
2 10893  64.3035 324.6123 0168721  23.8131 336.9339  2.00538295 92425
GOES 3
1 10953U 78062  A 90353.15052083  .00000109  00000-0  99999-4 0   209
2 10953   7.4179  64.2373 0006320 119.2497 144.6936  1.00246039  6775
SeaSat 1
1 10967U 78064  A 90357.95672123  .00001067  00000-0  40855-3 0  4429
2 10967 108.0220 351.9371 0002883 265.6230  94.4514 14.36095689653699
GPS-0003
1 11054U 78093  A 90350.18223514 -.00000022  00000-0  00000 0 0  3348
2 11054  63.8278 320.9631 0060351 119.7723 240.8197  2.00570328 89337
Nimbus 7
1 11080U 78098  A 90346.22308104  .00000123  00000-0  14122-3 0  7250
2 11080  99.1791 246.9712 0008969 332.1845  27.8873 13.83481953612657
GPS-0004
1 11141U 78112  A 90354.78339774  .00000005  00000-0  00000 0 0   924
2 11141  63.8246  83.6911 0058399 312.8208  46.7233  2.00550526 88124
GPS-0005
1 11690U 80 11  A 90356.41937636  .00000006  00000-0  00000 0 0   816
2 11690  64.2853  85.8206 0120505 202.3335 157.1700  2.00553569 94017
GPS-0006
1 11783U 80 32  A 90356.72211843 -.00000022  00000-0  99999-4 0  3093
2 11783  63.6208 320.2818 0150505  59.7102 301.7741  2.00561619 78100
GOES 5
1 12472U 81049  A 90351.30939582  .00000068  00000-0  99999-4 0   214
2 12472   3.9307  73.4350 0001352 233.8209 125.7972  1.00213780 34068
SME
1 12887U 81100  A 90358.10292474  .00091816  00000-0  62140-3 0   217
```

```
2 12887  97.6052  59.5209 0002045  10.3843 349.7252 15.74752209510883
Salyut 7
1 13138U 82 33  A 90357.98223531  .00160769  00000-0  42341-3 0  6903
2 13138  51.5949  47.5655 0003249   4.2971 355.7096 15.93811651494769
Cosmos 1383
1 13301U 82 66  A 90353.97354722  .00000115  00000-0  12442-3 0  6797
2 13301  82.9315 164.6154 0028569  11.5223 348.6581 13.67867005423073
LandSat 4
1 13367U 82 72  A 90357.72196157 -.00003235  00000-0 -71372-3 0  6222
2 13367  98.1401  56.2757 0002341 267.5956  92.5219 14.57121274448904
IRAS
1 13777U 83  4  A 90354.53724543  .00000111  00000-0  10121-3 0  8826
2 13777  99.0126 188.3736 0012385 229.7150 130.3008 13.98850273 72993
Cosmos 1447
1 13916U 83 21  A 90351.69625389  .00000139  00000-0  13591-3 0  7735
2 13916  82.9445 236.3824 0038864 350.9205   9.1236 13.74085289387876
TDRS 1
1 13969U 83 26  B 90357.39696611  .00000128  00000-0  99999-4 0  2142
2 13969   4.9396  64.0025 0003631 211.9799 147.8383  1.00274741  1246
GOES 6
1 14050U 83 41  A 90353.89999998  .00000120  00000-0  99999-4 0  3408
2 14050   2.7120  75.5070 0001040 337.1900 223.2830  1.00269141    00
OSCAR 10
1 14129U 83 58  B 90356.51445136 -.00000108  00000-0  00000 0 0  6304
2 14129  25.9183 168.6928 5967533 202.9623 113.0649  2.05882900 28614
GPS-0008
1 14189U 83 72  A 90350.67128587  .00000004  00000-0  99999-4 0  8806
2 14189  63.4541  82.1513 0145136 222.5675 136.3128  2.00569341 54426
LandSat 5
1 14780U 84 21  A 90357.06590878 -.00000100  00000-0 -17175-4 0  4670
2 14780  98.2628  54.2946 0001520 153.6388 206.4909 14.57084623362224
UoSat 2
1 14781U 84 21  B 90357.05354572  .00001638  00000-0  30685-3 0  8937
2 14781  97.9263  43.2358 0013161  12.9680 347.1688 14.65999999363630
GPS-0009
1 15039U 84 59  A 90357.82345292  .00000003  00000-0  00000 0 0  1403
2 15039  63.2087  81.0551 0026319 225.4666 134.3568  2.00567052 47848
Cosmos 1574
1 15055U 84 62  A 90352.30799074  .00000149  00000-0  14824-3 0   126
2 15055  82.9560 286.5700 0027140 167.5217 192.6615 13.73397766325348
GPS-0010
1 15271U 84 97  A 90357.26823367 -.00000022  00000-0  00000 0 0  9843
2 15271  63.1189 319.7294 0110822 329.3539  30.0069  2.00562381 44945
Cosmos 1602
1 15331U 84105  A 90356.55122930  .00002517  00000-0  33610-3 0  4458
2 15331  82.5371 186.2183 0024659  74.5421 285.8436 14.79022367335928
NOAA 9
1 15427U 84123  A 90357.72697834  .00000253  00000-0  15726-3 0  6864
2 15427  99.1713   2.0358 0014903 193.9215 166.1553 14.12760353310740
Cosmos 1686
1 16095U 85 86  A 90357.04161998  .00190569  00000-0  50718-3 0  8678
2 16095  51.5922  52.5399 0002608  26.9907 332.8308 15.93538293494618
GPS-0011
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1 16129U 85 93  A 90357.48654129  .00000005  00000-0  00000 0 0  6954
2 16129  63.9514  82.1783 0125547 148.0315 212.7815  2.00564221 38159
Mir
1 16609U 86 17  A 90357.55106530  .00026595  00000-0  31354-3 0  1586
2 16609  51.6108  96.7798 0024949  38.9943 321.2910 15.60791931277674
SPOT 1
1 16613U 86 19  A 90356.69652384  .00000316  00000-0  16644-3 0  2028
2 16613  98.7166  68.5226 0001264  37.6358 322.4959 14.20022406 90688
Cosmos 1766
1 16881U 86 55  A 90358.10014142  .00003852  00000-0  52156-3 0  2584
2 16881  82.5128 243.6045 0022795  85.9023 274.4699 14.78584270237209
EGP
1 16908U 86 61  A 90350.39529066 -.00000063  00000-0 -17230-3 0  3285
2 16908  50.0115  55.8411 0011175 299.5346  60.4374 12.44390206197546
NOAA 10
1 16969U 86 73  A 90352.26332426  .00000547  00000-0  25562-3 0  5313
2 16969  98.5835  15.9585 0014428  93.9700 266.3130 14.23831739220805
MOS-1
1 17527U 87 18  A 90354.21069280  .00000447  00000-0  35802-3 0  7281
2 17527  99.0930  64.2086 0000702  56.1504 303.9724 13.94883474195194
GOES 7
1 17561U 87 22  A 90357.04514896 -.00000045  00000-0  99999-4 0  6974
2 17561   0.0280 147.9170 0001801 294.5965 277.5034  1.00271410  7462
Kvant-1
1 17845U 87 30  A 90356.91073079  .00056288  00000-0  65387-3 0  4213
2 17845  51.6090 100.0016 0026092  33.9200 326.0471 15.60771100212301
DMSP B5D2-3
1 18123U 87 53  A 90355.26747951  .00000172  00000-0  99999-4 0  8067
2 18123  98.8088 183.3629 0014118 206.7708 153.2733 14.14260150180844
RS-10/11
1 18129U 87 54  A 90354.91882127  .00000180  00000-0  18611-3 0  4662
2 18129  82.9243 190.5624 0011124 327.3477  32.6984 13.72131538175054
Meteor 2-16
1 18312U 87 68  A 90353.44524949  .00000219  00000-0  18868-3 0  5885
2 18312  82.5551 143.4683 0013684  92.4604 267.8122 13.83708636168603
Meteor 2-17
1 18820U 88  5  A 90346.64529578  .00000180  00000-0  15126-3 0  4372
2 18820  82.5437 208.5845 0015938 179.5016 180.6164 13.84402040144873
DMSP B5D2-4
1 18822U 88  6  A 90355.28532047  .00000509  00000-0  24882-3 0  7490
2 18822  98.6176 230.1873 0007566  89.6446 270.5599 14.21677219149400
Glonass 34
1 19163U 88 43  A 90353.50364996  .00000020  00000-0  99999-4 0  1112
2 19163  64.9152 152.9288 0007260 180.3389 179.6492  2.13102441 20098
Glonass 36
1 19165U 88 43  C 90354.02989892  .00000020  00000-0  00000 0 0  1165
2 19165  64.9012 152.9157 0003533 351.6121   8.3593  2.13102756 20107
AO-13
1 19216U 88 51  B 90350.40377437 -.00000209  00000-0  99999-4 0  2267
2 19216  56.8563 120.5684 7087146 242.6692  30.6150  2.09704934 19221
OKEAN 1
1 19274U 88 56  A 90355.06171995  .00000764  00000-0  10303-3 0   178
2 19274  82.5158 345.1391 0020337 229.0741 130.7421 14.77807711132513
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Meteor 3-2
1 19336U 88 64  A 90353.87553819  .00000024  00000-0  47898-4 0  6896
2 19336  82.5405 146.0640 0016120 208.2132 151.8117 13.16907133115394
Glonass 39
1 19503U 88 85  C 90354.98816028 -.00000017  00000-0  99999-4 0   270
2 19503  65.4007  32.3068 0006443 200.1350 159.9107  2.13103551 17610
NOAA 11
1 19531U 88 89  A 90355.27668776  .00000640  00000-0  37094-3 0  4387
2 19531  99.0076 304.0223 0012957 115.5476 244.7046 14.11835366115360
TDRS 2
1 19548U 88 91  B 90349.25208042  .00000114  00000-0  99999-4 0  2247
2 19548   0.5730  82.2116 0002296 184.5850  93.2087  1.00276387  2076
Glonass 40
1 19749U 89  1  A 90354.55990069  .00000020  00000-0  99999-4 0  8138
2 19749  64.8570 152.5671 0004734 272.0193  87.9152  2.13102126 15131
Glonass 41
1 19750U 89  1  B 90354.61811681  .00000020  00000-0  99999-4 0  8689
2 19750  64.8800 152.5801 0004943 241.3217 118.6156  2.13102483 15134
GPS BII-01
1 19802U 89 13  A 90350.38029847  .00000017  00000-0  99999-4 0  2281
2 19802  55.0450 190.2251 0052192 161.1231 199.1398  2.00553388 13407
Akebono
1 19822U 89 16  A 90354.88154179  .00021438  00000-0  15558-2 0  8690
2 19822  75.0835 146.7797 4126737 101.7988 306.2525  7.19416243 13180
Meteor 2-18
1 19851U 89 18  A 90353.74857257  .00000191  00000-0  16196-3 0  3895
2 19851  82.5208  80.6270 0013756 199.3401 160.7250 13.84038205 91233
MOP-1
1 19876U 89 20  B 90348.77085838  .00000020  00000-0  99999-4 0  1735
2 19876   0.1537   2.6236 0007013 246.9393 110.4629  1.00275054  2475
TDRS 3
1 19883U 89 21  B 90347.88420365 -.00000235  00000-0  99999-4 0  2238
2 19883   0.5799  80.7080 0003535 181.4568  97.8074  1.00267910 76692
GPS BII-02
1 20061U 89 44  A 90343.73124429 -.00000034  00000-0  99999-4 0  2311
2 20061  54.8388   8.7128 0089319 181.9510 178.0573  2.00566968 11014
Nadezhda 1
1 20103U 89 50  A 90352.89874863  .00000129  00000-0  12632-3 0  2868
2 20103  82.9618 148.8512 0036273 244.6374 115.1027 13.73632524 73072
GPS BII-03
1 20185U 89 64  A 90350.05472694  .00000016  00000-0  99999-4 0  1726
2 20185  54.9002 191.0630 0021894 161.1624 198.9908  2.00573506  9712
GPS BII-04
1 20302U          90304.15728615 -.00000046          -68427+2 0  1700
2 20302  54.5417 311.5245 0033626 314.8971  44.9144  2.00365710  7590
Meteor 3-3
1 20305U 89 86  A 90354.73387197  .00000041  00000-0  94298-4 0  2902
2 20305  82.5537  86.4470 0015457 220.9188 139.0774 13.15869651 55481
COBE
1 20322U 89 89  A 90354.00327509  .00000332  00000-0  23668-3 0  2359
2 20322  99.0215   2.5171 0008498 209.2957 150.7726 14.02936691 55544
Kvant-2
1 20335U 89 93  A 90354.92575821  .00093120  00000-0  10779-2 0  5191
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2 20335  51.6132 109.9945 0025987  29.5619 330.3168 15.60654789 60925
GPS BII-05
1 20361U 89 97  A 90350.59711931  .00000014  00000-0  99999-4 0  1231
2 20361  55.0071 133.1209 0064560  57.5897 302.9975  2.00584011  7387
SPOT 2
1 20436U 90  5  A 90354.68857831  .00000441  00000-0  22548-3 0  4422
2 20436  98.7185  66.6171 0000696  97.4132 262.7151 14.20022155 47219
UO-14
1 20437U 90  5  B 90354.74257452  .00000548  00000-0  23332-3 0  2847
2 20437  98.6880  70.1793 0011736 333.4314  26.6262 14.28824107 47500
UO-15
1 20438U 90  5  C 90350.25085406  .00000368  00000-0  16297-3 0  1782
2 20438  98.6896  65.6488 0010519 346.7995  13.2922 14.28500605 46854
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1 20439U 90  5  D 90353.38867939  .00000545  00000-0  23183-3 0  1823
2 20439  98.6908  69.0461 0011267 338.6830  21.3866 14.28920517 47314
DO-17
1 20440U 90  5  E 90350.64728474  .00000591  00000-0  24966-3 0  1811
2 20440  98.6894  66.3379 0011497 347.4225  12.6667 14.28976305 46923
WO-18
1 20441U 90  5  F 90354.12586965  .00000510  00000-0  21720-3 0  1823
2 20441  98.6909  69.8453 0011997 336.9378  23.1263 14.29058221 47423
LO-19
1 20442U 90  5  G 90349.97899473  .00000520  00000-0  22088-3 0  1821
2 20442  98.6915  65.7509 0012420 348.5551  11.5368 14.29126182 46835
GPS BII-06
1 20452U 90  8  A 90344.99822085  .00000003  00000-0  99999-4 0  1425
2 20452  54.4611 248.7769 0054127  53.8409 306.7061  2.00659598  6392
MOS-1B
1 20478U 90 13  A 90345.63441926  .00001015  00000-0  78171-3 0  4775
2 20478  99.1726  54.9448 0000370  84.6917 275.4290 13.94854600 42876
DEBUT
1 20479U 90 13  B 90352.95563960  .00000011  00000-0  52874-4 0  1777
2 20479  99.0203   4.4150 0541102 350.0209   9.0471 12.83166031 40447
FO-20
1 20480U 90 13  C 90349.60777664  .00000054  00000-0  17104-3 0  1745
2 20480  99.0212   1.7035 0541433 357.6633   2.1957 12.83159737 40013
MOS-1B R/B
1 20491U 90 13  D 90354.59981261  .00000612  00000-0  12014-2 0  1846
2 20491  99.0164  14.6419 0470221 314.4591  41.8952 13.02768445 40671
LACE
1 20496U 90 15  A 90354.85175452  .00005409  00000-0  31103-3 0  3706
2 20496  43.0968  15.3693 0015494  78.4086 281.8285 15.13199921 46854
RME
1 20497U 90 15  B 90354.25165170  .00014793  00000-0  35393-3 0  4215
2 20497  43.1104 310.9841 0017303 126.7907 233.4506 15.41135492 47491
Nadezhda 2
1 20508U 90 17  A 90350.31108855  .00000078  00000-0  77725-4 0  2361
2 20508  82.9563 285.6127 0043715 197.5380 162.4249 13.73253082 40000
OKEAN 2
1 20510U 90 18  A 90355.07657220  .00002030  00000-0  30585-3 0  3912
2 20510  82.5282 285.5191 0021025  32.0324 328.0606 14.73881106 43597
INTELSAT-6
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1 20523U 90 21  A 90354.77003353  .00003080  00000-0  20919-3 0  4173
2 20523  28.3396 120.4596 0014990  17.5791 342.5801 15.03159937 42546
GPS BII-07
1 20533U 90 25  A 90294.05687607 -.00000033  00000-0  00000 0 0   630
2 20533  55.1450  10.8449 0034235 102.6965 257.7562  2.00556242  4124
PegSat
1 20546U 90 28  A 90355.30673568  .00012111  00000-0  69675-3 0  3701
2 20546  94.1359 314.7457 0143863  18.9924 341.6561 15.04032147 38171
HST
1 20580U 90 37  B 90354.80220369  .00001957  00000-0  20391-3 0  3696
2 20580  28.4692 141.3042 0005676 266.2526  93.7345 14.85757278 35740
Glonass 44
1 20619U 90 45  A 90353.99189743 -.00000017  00000-0  99999-4 0  3189
2 20619  64.9964  32.5788 0024146 216.2805 143.6215  2.13103028  4581
Glonass 45
1 20620U 90 45  B 90354.57902262 -.00000017  00000-0  99999-4 0  3220
2 20620  64.9962  32.5615 0005393  24.6714 335.4230  2.13102921  4605
Glonass 46
1 20621U 90 45  C 90354.63763127 -.00000017  00000-0  99999-4 0  2749
2 20621  65.0125  32.5673 0014499 208.5187 151.4717  2.13102635  4605
Kristall
1 20635U 90 48  A 90355.11786337  .00055972  00000-0  65387-3 0  3179
2 20635  51.6077 109.0443 0025078  29.1331 330.7801 15.60659316 31835
ROSAT
1 20638U 90 49  A 90355.03154690  .00004124  00000-0  35695-3 0  1513
2 20638  52.9897 300.7248 0015767 172.6251 187.4839 14.99059029 30297
Meteor 2-19
1 20670U 90 57  A 90354.47549749  .00000170  00000-0  14364-3 0  1379
2 20670  82.5448 140.8035 0017088 122.8539 237.4267 13.83885908 24283
CRRES
1 20712U          90353.04941429  .00001555  00000-0  14955-2 0   820
2 20712  18.2700 347.3922 7125572 310.9781   6.2510  2.43654977  3587
GPS BII-08
1 20724U 90 68  A 90350.74362104  .00000016  00000-0  99999-4 0   742
2 20724  54.7117 188.9765 0096409 119.5566 241.5139  2.00563598  2709
Feng Yun1-2
1 20788U 90 81  A 90354.10162498  .00000381  00000-0  27966-3 0   799
2 20788  98.9344  26.3759 0010774 326.2283  33.8177 14.00603674 15131
Meteor 2-20
1 20826U 90 86  A 90349.27714617  .00000336  00000-0  29684-3 0   873
2 20826  82.5265  84.1586 0014383  39.8701 320.3509 13.83249439 10781
GPS BII-09
1 20830U 90 88  A 90333.82972091  .00000013  00000-0  99999-4 0   752
2 20830  54.9069 131.9933 0078576 117.2021 243.6176  2.00565842  1444
GPS BII-10
1 20959U 90103  A 90348.69553329  .00000016  00000-0  00000 0 0   148
2 20959  54.9062 190.6357 0041464 213.2620 146.5485  2.00557634   330
1990 103B
1 20960U 90103  B 90354.44117837  .00006689  00000-0  55501-3 0   197
2 20960  21.4247  23.4022 0153185 101.5980 260.1713 14.86537732  3503
1990 103C
1 20961U 90103  C 90351.64444369  .00116634  32421-5  19615-2 0   330
2 20961  34.5350 169.4285 6031071 214.3842  84.9469  4.08839868   854
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Cosmos 2106
1 20966U 90104  A 90354.23992091  .00006244  00000-0  34955-3 0   281
2 20966  82.5083 321.4421 0014067 217.8328 142.1830 15.13173324  3267
1990 104B
1 20967U 90104  B 90354.30498696  .00005146  00000-0  28803-3 0   287
2 20967  82.5060 321.3734 0012577 224.0666 135.9481 15.13176967  3277
1990 104C
1 20975U 90104  C 90351.89018819  .00156938  00000-0  62826-2 0   178
2 20975  82.5275 323.6165 0013043 312.7155  47.2274 15.24307380  2916
1990 104D
1 20976U 90104  D 90354.20089825  .00148580  00000-0  60213-2 0   231
2 20976  82.4746 321.1183 0015206 311.6659  48.2836 15.23905110  3260
1990 104E
1 20977U 90104  E 90352.35551343  .00115081  00000-0  55547-2 0   240
2 20977  82.4730 323.1166 0007138 136.9276 223.2121 15.18134125  2978
DMSP B5D2-5
1 20978U 90105  A 90354.03663460  .00000911  00000-0  35452-3 0   219
2 20978  98.8581  22.6926 0080587 303.5275  55.8228 14.30440608  2638
1990 105B
1 20979U 90105  B 90350.99682542  .00017083  00000-0  58611-2 0    76
2 20979  98.8463  19.6410 0094510 314.4733  44.8410 14.33668254  2209
Soyuz TM-11
1 20981U 90107  A 90355.11792232  .00024818  00000-0  29457-3 0   271
2 20981  51.6080 109.0406 0025195  28.9498 331.2970 15.60653992  2940
1990 105C
1 20983U 90105  C 90353.06494526  .00170666  00000-0  25928-1 0    65
2 20983  98.8654  22.5417 0187090 303.0227  55.1924 14.62011387   309
1990 105D
1 20984U 90105  D 90354.61386710  .00023848  00000-0  34334-2 0   211
2 20984  98.9497  24.4605 0218448 300.2971  57.6677 14.61313731  2775
Cosmos 2107
1 20985U 90108  A 90354.26322562  .00003041  00000-0  52252-4 0   282
2 20985  65.0136  64.7637 0009728 274.3022  85.6864 15.52099739  2522
1990 105E
1 20987U 90105  E 90353.55596754  .00178799  00000-0  28434-1 0   205
2 20987  98.8282  22.9762 0171173 305.9695  50.1873 14.61758092  2627
1990 105F
1 20988U 90105  F 90345.68631685  .00071356  00000-0  13006-1 0    46
2 20988  98.8335  14.5684 0187417 330.5795  28.5801 14.54896885  1477
1990 105G
1 20989U 90105  G 90351.65656099  .00433076  00000-0  69705-1 0   214
2 20989  98.8432  20.9297 0154608 315.8097  42.8416 14.61472869  2342
1990 105H
1 20990U 90105  H 90353.65028127  .00599777  00000-0  62241-1 0   313
2 20990  98.9239  23.5293 0174449 302.3457  51.1531 14.76568836  2652
1990 105J
1 20991U 90105  J 90354.61026719  .00052434  00000-0  46106-2 0   234
2 20991  98.9276  24.7801 0267306 304.6323  52.9723 14.72754290  2798
1990 105K
1 20992U 90105  K 90353.53404001  .00111851  00000-0  16392-1 0    51
2 20992  98.8742  23.1077 0207095 307.6090  48.4380 14.61481202  1355
1990 105L
1 20993U 90105  L 90351.02204264  .00074474  00000-0  15290-1 0   171
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2 20993  98.8620  20.1573 0168077 316.8098  42.2339 14.51701457  2246
1990 105L
1 20997U 90105  L 90354.06840774  .00928327  00000-0  75218-1 0   232
2 20997  98.7915  23.8899 0152655 310.3700  48.3244 14.86852280  2725
1990 105M
1 20998U 90105  M 90350.01461042  .00392130  00000-0  50845-1 0   136
2 20998  98.8805  19.4109 0194556 317.8710  40.7102 14.66508829  2116
1990 105N
1 20999U 90105  N 90353.03327606  .00248797  00000-0  34536-1 0   238
2 20999  98.7962  22.4762 0173676 308.8948  49.5406 14.66754446  2552
Cosmos 2108
1 21000U 90109  A 90354.95056119  .01012954  40816-4  24963-3 0   408
2 21000  62.7916 236.2977 0083428  80.4410 280.6804 16.19641722  2610
Cosmos 2109
1 21006U 90110  A 90353.73824638  .00000020  00000-0  99999-4 0   241
2 21006  64.8273 152.0193 0062401 184.5222 175.4064  2.13116949   260
Cosmos 2110
1 21007U 90110  B 90354.37007652  .00000020  00000-0  99999-4 0   242
2 21007  64.8445 151.9881 0093689  89.8094 271.2500  2.09896577   278
Cosmos 2111
1 21008U 90110  C 90354.73529409  .00000020  00000-0  99999-4 0   220
2 21008  64.8312 151.9897 0008065 293.9920  65.9083  2.13103401   286
1990 110F
1 21011U 90110  F 90354.25601856  .00000020  00000-0  99999-4 0   105
2 21011  64.8321 152.0004 0008372 324.8820  35.0651  2.13258341   267
1990 110G
1 21012U 90110  G 90350.91561684  .00001056  00000-0  10559-2 0   168
2 21012  64.9046 149.1533 5798380 349.0414   2.3645  4.22966455   405
1990 110H
1 21013U 90110  H 90351.86155654  .00001260  00000-0  12777-2 0    60
2 21013  64.7926 148.8109 5797567 349.0284   2.2877  4.22956297   440
Cosmos 2112
1 21014U 90111  A 90354.11244595  .00000409  00000-0  16703-3 0   110
2 21014  74.0471 188.0130 0029843 318.3620  41.5284 14.30067202  1407
1990 111B
1 21015U 90111  B 90352.56480772  .00001122  00000-0  42845-3 0   127
2 21015  74.0537 190.7948 0027564 340.6142  19.3943 14.31577306  1185
1990 112B
1 21017U 90 112 B 90354.78131621  .11396103  59046-4  16194-2 0    35
2 21017  51.6637 270.3464 0012224 273.4952  86.4684 16.33793355    56
1990 112C
1 21018U          90355.14733809 0.46171571  61086-4  75550-3 0    48
2 21018  51.6445 268.2896 0002202  90.5756 269.8863 16.48149299   115
```

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

From 7121482751608098029
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 10:45:55 PST

Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!swrinde!ucsd!ogicse!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Rumors of ARRL appeal on No-Code
Message-ID: <1759@ke4zv.UUCP>
Date: 31 Dec 90 17:54:44 GMT
References: <9012301924.AA29750@umail.UMD.EDU>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 114

In article <9012301924.AA29750@umail.UMD.EDU> ps67@UMAIL.UMD.EDU ("Paul W. SCHLECK") writes:
>
>In previous conversations with Hugh, he expressed a concern over
>potential TVI problems between 6m and fringe-area Channel 2 reception.
>This was a key factor in the ARRL not asking the FCC for 6m
>privileges. There was also concern about excessive band loading on
>2m.
>
>Hugh says that comments on the issue have been split right down the
>middle. He is very concerned that the new regulations will divide
>amateur radio. He brought up 3 key goals of license restucturing, and
>why he felt that the new license might not be of significant
>impact:
>
>1. An influx of new, quality hams. Any new restructuring in and of
>itself will not dramatically increase our ranks. No-Code is not a panacea
>and it should not be though of as such. Any serious effort to recruit new
>hams with this new license should be accompanied by an appropriate
>recruting/PR effort. VE's turning in their accredidation over disagreement
>with the new license will not achieve this goal.

A reasonable view.

>2. A dramatic increase in amateurs on the UHF and Microwave bands,
>to prevent licensed and unlicensed encroachment on our bands from Part 15
>devices, HDTV, cellular phone, satellite communications, etc. Giving
>away the lower VHF bands to new hams might give us the same band
>loading problems, only more so. The ARRL felt (whether you agree with
>it or not) that a 220-and-up license would force new hams to break new
>ground on the upper bands.

A dramatic increase in activity on UHF+ must await a critical mass of users. These users should be socialized to amateur radio operations rather than being left to invent a new service on their own. Thus "ghettoizing" the newcomer is not a good way to achieve critical mass. By mixing the newcomers with the old timers at the "watering hole" on two meters at first, the end result will be a gradual migration of *one* culture to the higher bands.

>3. Acceptance and assimilation of these new hams into the mainstream

>of the hobby. Again, bitter divisiveness, shunning, old Tech's using
>a /C suffix, and other childish games will not make these new hams feel
>welcome. If this new license, as sensible and well though out as it may be,
>causes more divisiveness and infighting (possibly played out on the ham
>bands), then it may hurt more than help amateur radio.

This type of "one upsmanship" attitude of "I'm better than you" is already prevalent on the ham bands and has been since at least 1968. The General looks down on the Tech (he's not a real ham because he can't work 20 meters). The Advanced looks down on the General and the Extra lords it over them all. Removing the Morse requirement from a class that rarely uses it anyway should not make the caste system much worse.

>As was stated previously, the stream of comments coming in to League
>officials on the issue have been split 50/50. If you write the ARRL, and I
>encourage you to do so, please consider the following in your letter:
>
>1. Will 6m TVI be a problem? Why/Why not?

No. Reasons. Six is not presently a very popular band. There is little commercial equipment available for Six. Our ranks are not likely to soon explode with Six meter DXers. Our new techs are likely to follow the herd and emulate current tech operating habits, at least until they gain some experience. Since the only difference between current Techs and the new Techs is 5 wpm Morse, and knowledge of Morse doesn't help one solve TVI problems, the new Techs should cause no more problems than the current Techs do. Cable TV.

>2. Will 2m band loading be a problem? Why/Why not?

No. First of all, 2 meters is not overloaded now with anything but mostly silent repeaters. Operating patterns may have to change somewhat. The luxury of one repeater for every two amateurs may have to give way. And some users may wish to permanently migrate to UHF in an attempt to maintain that ratio. But, the band is in no danger of congestive collapse.

>3. What recruitment efforts do you and/or your club have in place to
>test, train, and accept these new hams?

The club(s) that I belong to intend to welcome these people with open arms. Many members are already sounding out likely prospects and our clubs intend to modify our present training classes to include the codeless technicians. We hope to boost our middle school program with the codeless tech option.

>4. What kind of impact will this new license have on use of the UHF
>and Microwave bands?

I expect the impact to be modest at first. We need to build a critical mass of socialized users before interesting services will develop on the upper bands. A combination of the experimental interests of the new licensees and increasing pressure on traditional hams operating primarily at 2 meters will slowly build the critical mass to make the higher bands take off.

>5. Will the new license cause a splitting of hams into code/no-code
>camps? What can you and/or your club do to make these hams feel
>welcome and smooth over ruffled feathers among existing hams?

There are bound to be some traditional hams who will resent the newcomers, much the same way they resent current newcomers. Trying to be inclusive rather than exclusive should reduce the fragmentation that plagued amateur radio in the post '68 decline of the service brought on by Incentive Licensing. At least in the clubs I frequent, I find a large number of active amateurs who are excited about the prospects of new technologies and who welcome *anyone* who shares their interests. Naturally I don't frequent those mortibund clubs that spend all their time arguing about increasing the CW IDer's speed on their tube type repeater, or who endlessly haggle about Robert's Rules of Order. One of my favorite groups specifically eschews Robert in our charter, and we don't charge dues. We find that passing the hat when we need to do something works very well. We don't have a President either, preferring a Lord of Chaos as our leader.

Gary KE4ZV

From 5603014714864876593
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fbb09cfe91c28da5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 10:46:04 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!ucsd!ogicse!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Info Request (beverage antennas)
Message-ID: <1760@ke4zv.UUCP>
Date: 31 Dec 90 18:24:19 GMT
References: <1265@kb2ear.UUCP> <29079@zygot.ati.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 49

In article <29079@zygot.ati.com> duncan@zygot.ati.com (James R. Duncan) writes:
>In article <1265@kb2ear.UUCP> n2aam@kb2ear.UUCP (Dave Marthouse N2AAM) writes:
>>
>>I am interested in finding out technical information on beverage antennas.
>>I know that a beverage is a long wire, a few wavelengths long, about 6 or 7
>>inches above the ground. I think that the antenna is terminated somehow. I
>>heard that they are used in broadcast band dxing and that people have had
>>fantastic dx usine the antennas. I would be interested in any technical info-
>
>The Beverage antenna was conceived decades ago as a transmitting
>antenna (primarily) which provided a low angle, unidirectional pattern.
>Ham radio books such as the ARRL Antenna Book will have more
>information about this design. It appears to me to be a somewhat

>specialized, dedicated purpose type antenna setup that wouldn't be
>useful for dx reception from diverse directions. Also, an antenna
>several wavelengths long at broadcast AM frequencies could begin to be
>a mile in length.

The Beverage is primarily used as a receiving antenna. It suffers heavy ground losses as a transmit antenna and requires large non-inductive resistors for it's termination if used in transmit service. Many 160 meter operators use a vertical for transmiting and multiple Beverages for receiving.

>The all time best AM broadcast band DX antenna would be an active loop
>antenna located some distance from the house, electrical wires, etc.
>The loop would of course be remotely rotatable. The gain of this setup
>would be such that the baseline atmospheric noise it picked up on the
>quietest night would just override the receiver's internal noise. The
>long antenna you propose would tend to cause a receiver dynamic range
>problem without any real DX benefit.

The major advantage of the Beverage over the loop is that the Beverage has a very narrow angle of acceptance while the loop receives over a nearly 360 azimuth with a narrow, but very sharp, bidirectional null. The Beverage, on the other hand, is truely unidirectional with a major lobe of about 15 degrees for an eight wavelength model. This means that it strongly rejects signals and atmospheric noise from nearly 345 degrees of the compass. This results in a very quiet antenna that can separate two stations operating on the same frequency if they are more than 15 degrees apart at your location. This is very useful for Broadcast Band DX.

The major disadvantage of the Beverage is physical size. You really need access to 300+ acres of property to properly install a system with one Beverage wire every 15 degrees. If your house is back in the woods, this is not generally a problem except at timber harvesting time.

Gary KE4ZV

From 6510090083190693774
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8ae3dcbc90f47923
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 11:09:38 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!netcom!mojo
From: mojo@netcom.UUCP (Morris Jones)
Newsgroups: rec.ham-radio
Subject: Re: HTs and Die Hard
Message-ID: <19720@netcom.UUCP>
Date: 31 Dec 90 18:05:39 GMT
References: <memo.644858@lynx.northeastern.edu>
Organization: Netcom- The Bay Area's Public Access Unix System {408 241-9760 guest}
Lines: 23

sehrlich@lynx.northeastern.edu writes:
>Does anyone know which model(s) HT(s) were used in the movies Die Hard 1 and
>2? And, what can you tell me about their performance and price?

I have no idea what they were, but you can be assured that any real HT you find won't work like those did. The scriptwriter obviously didn't have the slightest idea how a personal communication device works in the real world.

The HTs were pretty obviously half-duplex devices (they had a PTT switch), and yet people were able to break in while someone else was transmitting. Other people could "hang-up" on you (huh?). And his call to police dispatch was a little outrageous.

I know you knew all that. :) The devices they used in the movie may have been built by the prop department.

73, Mojo AA4KB

```
--
mojo@netcom.UUCP          Site Coordinating Instructor, San Jose South
Morris "Mojo" Jones       Skilled Motorcycling And Rider Training (S.M.A.R.T.)
Campbell, CA              800-675-5559 ... 800-CC-RIDER ...  408-423-2212
AA4KB @ N6LDL.#NOCAL.CA.USA.NA / aa4kb.ampr.org / netcom!mojo@apple.com
```

From 450587580858669193
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f7380efbbf22a4e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 11:34:18 PST
Path: gmdzi!unido!mcsun!uunet!infonode!kurtz
From: kurtz@infonode.ingr.com (Terry Kurtz)
Newsgroups: rec.ham-radio
Subject: TS-440 automatic tuner experience?
Message-ID: <1990Dec31.191121.10075@infonode.ingr.com>
Date: 31 Dec 90 19:11:21 GMT
Distribution: rec.ham-radio
Organization: Intergraph Corp. Huntsville, AL
Lines: 7

Has anyone had experience with the automatic antenna tuner(s) for the Kenwood TS-440? I have a Butternut HF6V and would like to hear if anyone has had good or bad experience with either the AT440 built in automatic tuner or the AT250 external tuner with this or other verticals.

Terry Kurtz (waiting on Novice ticket and have already upgraded to General)
uunet!ingr!kurtz

From 5682452815375486725
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4183301aa1102b3a

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,4183301aa1102b3a
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-12-31 11:55:30 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!ncar!gatech!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio,sci.space
Subject: Re: * SpaceNews 31-Dec-90 *
Message-ID: <840@idacrd.UUCP>
Date: 31 Dec 90 18:39:53 GMT
References: <390@ka2qhd.UUCP>
Organization: idacrd, princeton, nj
Lines: 63
Xref: gmdzi rec.ham-radio:18604 sci.space:18675

From article <390@ka2qhd.UUCP>, by kd2bd@ka2qhd.UUCP (John Magliacane):

>
> * UoSAT NEWS *
> ==============
> of 9 microprocessors and 5000 kilobytes of RAM. That's more computing
> power than had ever been launched by one rocket!
>
> UoSAT-3 (OSCAR-14) carries a 16-bit embedded microprocessor controller
> with 4.5 megabytes of RAM. UoSAT-4 (OSCAR-15) carries the first
>

Its store and forward open access messaging system is now fully operational.

> UoSAT-4 (OSCAR-15) carries three microprocessors and a CCD Earth imaging
> camera. Parallel processing available on the spacecraft will provide
>

This one carries nothing on since it failed shortly after launch. It was a grevious loss to UOS but a replacment is in preparation for launch in 1991 I believe.

>
> * ITALIAN MICROSAT *
> ====================
> Work continues in Italy on a new microsat amateur satellite.
> During the first week of December, the transmitter module, BCR module
>

We are indeed proud of our relationship with AMSAT-I in general but with Alberto Zagni, I2KBD, and his crew in Milano. They have taken Microsat schematics, mechanical drawing, and without much help, have constructed an operational Microsat. So proud are we of them, that we have made his group operators on PACSAT, the microsat run by AMSAT-NA. A truly fine new satellite building group is being formed in Milano and I am extremely proud of them.

>

> * BADR-1 DECAYS *
> =================
> BADR-1, a Pakistani satellite launched by the People's Republic of China
>

Good riddance. This was a ripoff (err uhh I meant `copy') of UOSAT-2. They insisted on operating the thing in the low end of 2 meters (in the 2 meter EME band) and would never tell anyone anything. This had very very litte to do with amateur radio. It was a terrible misuse of amateur radio frequencies. I happy the Pakistani's successfully launched their first satellite but I am deeply distressed that it went into service in the amateur radio bands and did not operate in the amateur satellite service.

> John A. Magliacane

Thanks John for publishing this news. It is a nice service.

Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From 6129893876254842192
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,652a5132a0b56e7a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 11:55:35 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!elroy.jpl.nasa.gov!ncar!gatech!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: Equipment ideas for the Microsats
Message-ID: <841@idacrd.UUCP>
Date: 31 Dec 90 18:48:37 GMT
References: <1750@ke4zv.UUCP>
Organization: idacrd, princeton, nj
Lines: 26

From article <1750@ke4zv.UUCP>, by gary@ke4zv.UUCP (Gary Coffman):
>
> When I was running an IC211 and an IC451A, I didn't need a filter at all.
> With the current TS790A, I need both. :-(Anybody want a slightly used
> TS790A? I'd love to trade up to an IC970 or an IC275, IC475 pair. :-)
>
> Gary KE4ZV

I have a TS-790A and I use it only as an IF for my S band gear. I took it

out of satellite service within one week of putting it on the air and
went back to using my IC-271 and IC-471. Satellite operation was
strictly an add on option at the last minute and without input from
a satellite user is what I fear happened. After DOVE gets reloaded,
I am going to do something else about a 2 meter IF for DOVE since the
thing is not suitable in any way for data. I hope some day the JA
rig companies will realize that 50000 plus tnc owners (at least) need
support as well.

Bob
N4HY
--

```
----------------------------------------------------------------------------
    My opinions are my own no matter  |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From -7642869989306637857
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,be0a1bd344aeed5c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,c56360ca93ab4065
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-31 11:55:44 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!zaphod.mps.ohio-state.edu!ncar!gatech!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: Open Letter to ARRL Pres. Larry Price
Message-ID: <842@idacrd.UUCP>
Date: 31 Dec 90 18:56:27 GMT
References: <880.277DD738@w8grt.fidonet.org>
Organization: idacrd, princeton, nj
Lines: 44
Xref: gmdzi rec.ham-radio:18606 rec.ham-radio.packet:3308

From article <880.277DD738@w8grt.fidonet.org>, by jim.grubs@w8grt.fidonet.org (Jim Grubs):
>
>
>   On December 13th, the FCC modified the requirements for the Technician
> Class license by dropping the code test. This bold move offers great hope to
> all of us who are deeply concerned with the possibility that amateur radio
> will one day soon be crushed under the weight of the spectrum needs of other
> services.
>
>   I was disturbed to note, however, that you were reported to be
> considering asking the FCC to reconsider this action to the extent of
> confining the new codeless Technicians to 222 mhz and up. I consider this
> most unwise for the following reasons:
>

```
>       To summarize, it's a dumb idea.
>
> 73 de Jim Grubs, W8GRT
>


Even dumber now Jim.  Please see the latest ARRL bulletins.  The FCC gave
them no time to react.  It is a fait accompli.  The commission ordered
it into effect on February 14.  No appeals allowed.  If the ARRL wants
to waste money on another lawsuit, possibly they can do something.  It
is really time to put this decision into our pipe and smoke it.  It can be
a success or failure or simply a ripple into amateur radio's not so
long decent into senility.  We have been given a recruiting tool.  I
suggest that we go out and make use of it.  If you do not like the nocode
tech, then recruit your people from those to whom learning the code is
not a deterrent into getting into amateur radio.  It seems that Jim and
I (and many others) have found potentially valuable recruits for whom the
morse code requirement was sufficiently daunting to force refusal of
amateur radio as a hobby.  We must make amateur radio relevant to the
21-st century US citizens now, or there will not be such a hobby then.
(I only talk about relevance to US citizens since this is an FCC action
and not a UN one ;-).

Bob
N4HY
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------



From -1991096482278758585
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1d80f72f3490c1c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 12:41:11 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: A few new questions
Message-ID: <47655@apple.Apple.COM>
Date: 31 Dec 90 20:31:53 GMT
References: <53@bootsie.UUCP>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 32

olson@bootsie.UUCP (Eric Olson) writes:

>2.  Can I sign up to take the Tech class _with_ code, fail the code, and get
>    a no-code tech license?  This is a very enticing (win-win) scenario for me,
>    and would probably be an attractive option for a lot of the people
>    lured in by the promise of no-code (e.g., those that like a challenge
```

>   but don't like to _fail_ :-).

I don't see a reason why not. When I took my tests the first time,
I asked to take the whole sheebang, but I flunked 1c (20 wpm) after
passing the written exams. The grand OM giving the code tests simply
kept me seated and played the 1b (13 wpm) tape to me. They then
submitted the Form 610 for an advanced license.

I am sure they will do the same come February for those who passes
Elements 2 and 3a, tries 1a but flunks it.

For those of you edgy and nervous about the tests, don't be. The
Volunteer Examiners couldn't be a friendlier bunch of folks who
wants to find every legitimate reason to *pass* you. After
flunking the 20 wpm 10-questions test, the examiner plowed over
and over through my illegible handwriting to try hard as heck to
see if I had 1-minute solid-copy. At least, that was my experience
with the ARRL VEC in Cupertino here. Absolutely super people.
(See? I don't *always* bash the League. :-)

73,

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From -7081645640954655983
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93f76d752f88cffd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 13:19:51 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: FCC Rumor -- (But what if it is true?)
Message-ID: <895.277F609A@w8grt.fidonet.org>
Date: 31 Dec 90 21:11:11 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 63

 > From: k3tx@wells.UUCP (Dave Heller)
 > Date: 31 Dec 90 06:44:51 GMT
 > Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
 > Message-ID: <719@wells.UUCP>
 > Newsgroups: rec.ham-radio
 >
 > If you noticed, I mentioned that as I understand the farcial waiver
 > business

But you called it bullshit...

> What does Frank Spicer - totally blind and deaf, and no youngster either
> - thinkof it? Ask him. He EARNED his Extra.
> Do you remember Clif Korne, K9EAB, now S.K., the ultra proficient ham in
> the
> iron lung? He didn't need a waiver; probably couldn't have got one
> because
> he could pass the test without.

So did I, remember? That still doesn't justify the disgusting jokes about
druggies and being dropped on the head.

> The real answer is: It's true that -maybe- some handicapped persons
> can't pass
> the code test because of some physical failing.

Maybe? What about dyslexics who can't tell the difference between dots and
dashes no matter how they are transmitted - sound, light, vibrations, etc.

> And the whole thing started because Pres. Bush got a bug up his ass and
> sent
> a memo to FCC.

Bush got bugged because it took a Arab king to make him aware of the
insensitivity of his own administration.

> What credentials does the average MD or DO have for deciding whether you
> or I
> can't pass the CW test "because of ***"?

Depends on how well they have the problem explained to them, I guess. If you
tell a neurologist you're having trouble telling the difference between short
tones and long tones, he'd probably be able to handle that. If you tell him
you can't tell the difference between .-.. and ..-. he'd understand that.

>   I will repeat: it's a farce. Is your muscular distrophy
> limiting you
> more than Frank Spicer's blindness/deafness? Or maybe K3KTH. I haven't

Ding bust it, we're not talking about sensory or motor handicaps. We're
talking about neurological handicaps that make PERCEPTION and INTERPRETATION
of sensory input difficult or impossible.

> Incidentally, about the no-code: It's an elegant solution; it should
> work.

Well, there I agree with you. Elegant is the word.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 8776612127986299271
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6cbd01e133c635a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 14:23:53 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!think.com!mintaka!bloom-beacon!vaxeline!bootsie!olson
From: olson@bootsie.UUCP (Eric Olson)
Newsgroups: rec.ham-radio
Subject: Re: The comming no-code newbies... What has the FCC done to us this time?
Message-ID: <54@bootsie.UUCP>
Date: 31 Dec 90 17:57:16 GMT
References: <1990Dec31.063057.23062@news.arc.nasa.gov>
Reply-To: olson@endor.harvard.edu (Eric Olson)
Organization: Lexington Software Design, Lexington, MA
Lines: 62

Excuses for posting: I have a feeling there are a lot of hams-to-be reading
rec-ham.radio these days; I'm not flaming; There's a question at the end
of this reply.

In a recent article chguest@pioneer.arc.nasa.gov (Charles J. Guest) writes:
>A) I have been away from the ham side of things for so long that I am
>even in a quandry as to what to look for as far as books on the subject.
>I suspect that ARRL still puts out quite a library, but I am more
>interested in something to help get the license that is less stilted in
>the ways (and pockets) of the ARRL.
>...

Radio Shack sells Novice, Technician, and General class study guides.
(They also actually still sell a Ham radio! Boy was I suprised
about that! [10m mobile-- you can't operate it as a no-code tech :-( ]).
They list for $19.95, $4.95, and $19.95, respectively (the higher
priced ones come with code cassettes). The ARRL book "Tune in the World"
book alone is $14, $19 with code cassettes. The Tech manual is
$6. For my money, I'd rather support a group of friendly technically
oriented people than rude idiot salemen. If you really want to save
money, sign the ARRL books out of your local library (but get the most
recent ones you can find-- I've found some pretty out-of-date info!).
Note: I was suprised that the ARRL Handbook doesn't contain any study
guides (but just about everything else). That's the book most likely
for your library to have.

>C) One of the big draws, asside from helping others, to the ham hobby
>was the ability to talk across the country and overseas. Since this is
>not going to be possible for me on the HF bands, have there been any
>developments in the last ten years that could be of interest to me in
>this regard?

I'm told that there are networks of 2m->10m repeaters that will let
you DX from a Handheld (albeit a limited choice of frequencies). If
this is incorrect, I'm sure someone will chime in. A lot of the

```
activity in Ham radio of late seems to be aimed at reducing the
amount of equipment you need to be a well-connected Ham (for instance,
I believe there are various gateways coming online between different
types of packet radio).

>D) Keeping a budget in mind, if you had to start all over again buying
>new equipment for your shack what would you consider buying.

I don't own much equipment yet (I'm not licensed either), but I will
probably look for it at Ham Swapfests.  I think they are listed in
QST (a good reason for joining the AARL).  Ham equipment is pretty
inexpensive used (unfortunately, the best price/performance bargain
is all old 10m equipment-- I've a few offers for _free_ stuff like
that, which is one reason I'm tempted to go for the coded tech license).
A problem for me is knowing what a Whizbang TQ-500 All band _is_!
Another good reason to get QST...

Along these lines, are there any used-ham-equipment catalog publications?

Cheers!

-Eric
--
Eric K. Olson, Editor, Prepare()       NOTE: olson@bootsie.uucp will not work!
Lexington Software Design              Internet: olson@endor.harvard.edu
72A Lowell St., Lexington, MA 02173    Usenet:   harvard!endor!olson
(617) 863-9624                         Bitnet:   OLSON@HARVARD


From -2310361813830385602
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4894f133cff41a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 14:23:56 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!think.com!mintaka!bloom-
beacon!vaxeline!bootsie!olson
From: olson@bootsie.UUCP (Eric Olson)
Newsgroups: rec.ham-radio
Subject: Re: RF and the outer limits...
Message-ID: <55@bootsie.UUCP>
Date: 31 Dec 90 18:08:17 GMT
References: <9012311443.AA29811@hermes.intel.com>
Reply-To: olson@bootsie.UUCP (Eric Olson)
Organization: Lexington Software Design, Lexington, MA
Lines: 17

In a recent article rharel@fab8.intel.com (CAL-LAB (MS:JER2-85 TEL:7589)) writes:
>Ever wonder why after all the billions of dollars and countless man-hours
>spent on searching for extra-terrestrial RF signals that we've come up with
>NOTHING ! ? I don't have the answer either.
>...

It's because they're trying to talk to us on 60 Hz.
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Just kidding. :-) (60 Hz doesn't get through the atmosphere, does it?)

-Eric

```
--
Eric K. Olson, Editor, Prepare()       NOTE: olson@bootsie.uucp will not work!
Lexington Software Design              Internet: olson@endor.harvard.edu
72A Lowell St., Lexington, MA 02173    Usenet:   harvard!endor!olson
(617) 863-9624                         Bitnet:   OLSON@HARVARD
```

From 4593882367973923429
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 15:00:56 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!att!linac!midway!ellis.uchicago.edu!pbhx
From: pbhx@ellis.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: Re: Rumors of ARRL appeal on No-Code
Message-ID: <1990Dec31.221628.28219@midway.uchicago.edu>
Date: 31 Dec 90 22:16:28 GMT
References: <886.277E1926@w8grt.fidonet.org> <720@ssc.UUCP>
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 133

In article <720@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>In article <886.277E1926@w8grt.fidonet.org>, jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>>
>> > From: ps67@UMAIL.UMD.EDU ("Paul W. SCHLECK")
>> > Date: 30 Dec 90 19:24:00 GMT
>> > Organization: The Internet
>> > Message-ID: <9012301924.AA29750@umail.UMD.EDU>
>> > Newsgroups: rec.ham-radio
>> >
>> > Much has been said, mostly rumor, in this newsgroup about the ARRL's
>> > possible reaction to the recent FCC decision in PR Docket 90-55,
>>
>> What "rumor"? Price was quoted in a W1AW bulletin as considering filing a
>> Petition for Reconsideration.
>
>Reference please? I have on file ALL of the ARRL bulletins for the past
>few years. I cannot find any reference to this.
>   (deleted collections of Bulletins)
>So where is it, Jim? You seemed EXTREMELY certain that there was
>a reference to Larry Price in a "W1AW Bulletin", to the point that
>you acted like it should be obvious to anyone.
>
>Where is it?

>
>Tad Cook

Tad...The following was posted in rec.ham-radio on Dec 21. It references a ARRL Press Release. Price's comments along the line that Jim references follow in the last two paragraphs.

Path: midway!ncar!elroy.jpl.nasa.gov!sdd.hp.com!ucsd!ucbvax!S51.PRIME.COM!BUSH
From: BUSH@S51.PRIME.COM
Newsgroups: rec.ham-radio
Subject: Codeless News from ARRL
Message-ID: <9012211454.AA17816@ucsd.edu>
Date: 21 Dec 90 14:54:53 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 122

ARRL/VEC NEWS RELEASE   December 14, 1990

To: All ARRL VE Team Liaisons

From: Bart J. Jahnke. KB9NM. ARRL/VEC Manager

FOR IMMEDIATE RELEASE

FCC CREATES CODELESS CLASS OF AMATEUR RADIO LICENSE

For the first time ever, starting in February it will be possible to obtain an Amateur Radio license in the United States without passing a Morse code test. This was announced by the FCC at its open meeting yesterday, December 13th. The Federal Communications Commissions (FCC) has eliminated the need for new Technician class Amateur Radio license applicants to demonstrate proficiency in Morse code in order to have all amateur privileges above 30 MHz. The implementation date may be as early as February 1991. Technicians who obtain their licenses prior to that date will be grandfathered, meaning their existing HF privileges will continue.

The codeless Technician written examination will have 55 questions (existing Elements 2 and 3A). New Technicians wishing to gain access to the HF privileges below 30 MHz will be required to pass the Element 1A (5 WPM) Morse code test before three Volunteer Examiners accredited by Volunteer Examiner Coordinators, and will be given a Certificate of Successful Completion of Examination (CSCE) to serve as evidence of their qualifications. That CSCE must be retained by them in perpetuity to prove they have met the requirement to gain access to the Novice HF bands. Novices wishing to upgrade to Technician must pass Element 3A to gain the VHF privileges of the Technician class. Novices will need to retain a copy (preferably the original) of their Novice license in order to show that they have met the 5 WPM requirment for HF band access. This is because there will be no call sign designator to indicate Technicians who have or have not passed a code test. VECs will supply the FCC with a list of those codeless Technicians who passed element 1A.

There has been no change to the Novice license in any way, nor has there been any change made above the Technician class. Novice examinations will continue to be available both by two Novice examiners (no test fee), or by three accredited VEs (no test fee if only elements 1A and 2 are involved). The FCC decided to retain the current Novice Class operator license as an alternate entry level license for those persons able to pass the 5 WPM Morse code test instead of the more comprehensive written exam required for the Technician Class license.

At a press briefing held just after the Commission's meeting, FCC Private Radio Bureau Chief Ralph Haller said "The Amateur Service is not growing as it should relative to what it has to offer." He said that the Amateur Service is where our nation's technical expertise comes from--that the changes should attract people who are interested in computers and digital communications, and should help the US to become more competitive.

In a news release today, ARRL President Larry Price, W4RA noted with pleasure that the Commission had decided to retain the Novice license as a means of entry into Amateur Radio and to adopt a codeless license with a meaningful written examination requirement. "Our members were very strong on both of these points, because they couldn't imagine how we could maintain the character of the Amateuer Radio Service without them," Mr. Price said.

Presiden Price sounded a note of caution with the privileges the Commission plans to grant codeless licesees. He indicated that the formula developed by the ARRL Board, which called for privileges above 220 MHz, was based upon extensive membership input. It was carefully balanced to offer attractive privileges while protecting existing patterns of amateur activity. While it will take some time to gauge the reaction to the Commission's action, Mr. Price observed that the FCC formula is likely to be less acceptable to many amateurs than the League's. He asks that League members share their views with their elected Directors, who will collectivly determine League policy.

"Before we can decide whether to request that the Commisson partially reconsider its action, we'll have to see the Report and Order," said Mr. Price. Usually it takes the FCC from several days to several weeks after a Commisson action to release an itemn after editorial review. There is a 30 day window of opportunity following release in which petitions for recondsideration can be filed. Mr. Price noted that ARRL Board was holding its regular meeting on January 18-19 1991. "The timing looks good for a careful review of the Commission's action at that meeting," he said.

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Peter B. Hayward                                               WX9T
University of Chicago Computing Organizations


From 7417239306176202309
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c9285f150c321a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 16:24:14 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!swrinde!ucsd!
pacbell.com!pacbell!ptsfa!dmturne
From: dmturne@PacBell.COM (Dave Turner)
Newsgroups: rec.ham-radio
Subject: Re: Thanks for the traffic... <now let's drop it>
Message-ID: <5942@ptsfa.PacBell.COM>
Date: 31 Dec 90 22:19:22 GMT
References: <1739@ke4zv.UUCP> <Nw4wu1w163w@phoenix.com>
Reply-To: dmturne@PacBell.COM (Dave Turner)
Organization: Pacific * Bell, San Ramon, CA
Lines: 34

In article <Nw4wu1w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
>
>gary@ke4zv.UUCP (Gary Coffman) writes:
>
>> In article <X3ouu2w163w@phoenix.com> I write:
>> >that there are few, if any, people who are payed to post to the net, and
>>                                             ^^^^^
>> Could you possibly mean *paid*?
>
>   One of the dictionaries I have lists "payed" as an obsolete spelling
>for "paid". Obsolete, as in old, not wrong.
>
>   Are you telling me that you have so much trouble with anything that
>is not spelled exactly as you want to see it that you actually had
>trouble understanding what I wrote? Is it not completely clear from the
>context of the sentence what I meant (ignoring the fact that "payed" is
>a valid spelling)?

Your response seems to me to be more of a flame that his was to you.

It also seems a bit of overreaction.

Hams have always had a tradition of helping others learn. I am indebted to
countless Elmers.

It could be that he was trying to help. "Help" does not need to be restricted
to technical items.

Perhaps some people only accept help when they ask for it and reject it
otherwise.
```

```
--
Dave Turner   415/823-2001  {att,bellcore,sun,ames,decwrl}!pacbell!dmturne


From -5042530975436653080
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6cbd01e133c635a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 16:24:49 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!snorkelwacker.mit.edu!
bloom-beacon!vaxeline!bootsie!olson
From: olson@bootsie.UUCP (Eric Olson)
Newsgroups: rec.ham-radio
Subject: Re: The comming no-code newbies... What has the FCC done to us this time?
Message-ID: <56@bootsie.UUCP>
Date: 31 Dec 90 21:21:26 GMT
References: <1990Dec31.063057.23062@news.arc.nasa.gov> <54@bootsie.UUCP>
Reply-To: olson@bootsie.UUCP (Eric Olson)
Organization: Lexington Software Design, Lexington, MA
Lines: 22

In article <54@bootsie.UUCP> I wrote:
>I'm told that there are networks of 2m->10m repeaters that will let
>you DX from a Handheld (albeit a limited choice of frequencies).  If
>this is incorrect, I'm sure someone will chime in.

I got real curious about this, since I got mixed replies.  So I called
the ARRL, and Tom Hogerty, KC1J, kindly informed me that the general
rule is that you _may_ operate a repeater that outputs on frequencies
for which you are not licensed (he mentioned something I did not fully
understand about not being allowed to _change_ the repeater output to
a band for which you aren't licensed, which makes sense, but specifically
said that if the repeater is already set up, it's OK).  So this is
a valid and legal way for the new no-code techs to get a taste of DX!

Cheers!

-Eric
--
Eric K. Olson, Editor, Prepare()       NOTE: olson@bootsie.uucp will not work!
Lexington Software Design              Internet: olson@endor.harvard.edu
72A Lowell St., Lexington, MA 02173    Usenet:   harvard!endor!olson
(617) 863-9624                         Bitnet:   OLSON@HARVARD


From -8384732148133069916
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,5fc35e3604be978e
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,5fc35e3604be978e
X-Google-Attributes: gid10c9e3,public
```

X-Google-Thread: 105d97,5fc35e3604be978e
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-31 16:32:02 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.radio.shortwave,rec.ham-radio,sci.electronics
Subject: Re: Ground Plane for my CB antenna
Message-ID: <1990Dec31.232808.18508@athena.cs.uga.edu>
Date: 31 Dec 90 23:28:08 GMT
References: <B12yu1w163w@ozonebbs.UUCP>
Organization: University of Georgia, Athens
Lines: 4
Xref: gmdzi rec.radio.shortwave:3281 rec.ham-radio:18614 sci.electronics:10452

All you need is four horizontal pieces of wire, going out in different directions, each of them as long as the antenna itself. This is a very common configuration for commercial 2-way radio antennas.
.

From 415593153408457182
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6cbd01e133c635a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 19:00:12 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!mips!cs.uoregon.edu!ogicse!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: The comming no-code newbies... What has the FCC done to us this time?
Summary: Equipment and etc for the new tech.
Message-ID: <1761@ke4zv.UUCP>
Date: 31 Dec 90 19:17:00 GMT
References: <1990Dec31.063057.23062@news.arc.nasa.gov>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 79
Posted: Mon Dec 31 13:17:00 1990

In article <1990Dec31.063057.23062@news.arc.nasa.gov> chguest@pioneer.arc.nasa.gov (Charles J. Guest) writes:
>
[very good soapbox speech deleted]
>
>A) I have been away from the ham side of things for so long that I am
>even in a quandry as to what to look for as far as books on the subject.
>I suspect that ARRL still puts out quite a library, but I am more
>interested in something to help get the license that is less stilted in
>the ways (and pockets) of the ARRL. There was a set of books out
>several years ago that essentially took you through what you could
>expect to see on the exams and gave you a pretty good background on the
>exam and the possible questions. Do these still exist? Can you

>reccomend anything else that might be helpfull?

The League stuff still gives you the broadest *understanding* of the topics you need to know. There are several Q&A books out there that you can find at many ham stores. They are sufficient to pass the exam. But don't shortchange yourself, get a general reference and absorb some material. It will prove useful later on.

>B) My wife and I have talked about her geting into this in a lesser way,
>mostly to help out with emergency traffic and to keep in touch when we
>are appart or separated because of an emergency. I vaguely remember
>something about family members working equipment in times of emergncy,
>but I can't be certain. Is there a way for her to legally use the
>radios either in tandem with me during emergency work, or by herself to
>contact me if we are sepparated due to natural disasters etc? She will
>probably get her own ticket too thanks to the dropping of the code
>requirement so this may become a moot point.

She may work in tandem with you as long as you supervise all transmissions. This is considered third party operation and some restrictions apply, but none that should bother you at VHF+. She may not use amateur radio unsupervised in order to contact you. She may use *any* radio equipment in a true emergency where there is an immediate threat to life or property and no other means of communications is available. This is a rather rare occurrence intended mostly for shipboard disasters where there is absolutely no other way of signalling for help.

>C) One of the big draws, asside from helping others, to the ham hobby
>was the ability to talk across the country and overseas. Since this is
>not going to be possible for me on the HF bands, have there been any
>developments in the last ten years that could be of interest to me in
>this regard? I understand that there is some sattelite stuff open to ham
>operators, and I am currious about what it might cost to set up a shack
>for transmission and reception in that area as well as anything else.

Well there are satellites and there are satellites. Some satellites support SSB voice and *ahem* CW communications. The rest are for use by packet radio. A from scratch SSB satellite station will realistically cost well over $1000, more like $2000 if purchased new. A satellite capable packet station can be cheaper in the RF department, but you must add in the computer and TNC. So you're still looking at a couple of grand for a from scratch setup. On the other hand, if you already have a HF radio, you can put together a satellite CW station for about $200 and a little scrounging. Of course, if you could do CW, you could just use the HF rig.

>D) Keeping a budget in mind, if you had to start all over again buying
>new equipment for your shack what would you consider buying. I am
>interested in handhelds as well as base station style goodies. I will
>not be installing mobile rigs in our vehicles sans the handhelds on the
>next seat. :-) (Give me a starting place here folks...)

A first cabin Tech station would have an Icom 970 equipped for all mode

2 meter,70 cm,and 33 cm and 100 watt amplifiers for each band. Add in a set of circularly polarized yagis on an AZ-EL mount and you would be equipped to do all the popular modes including satellite. A budget operation that gives FM only capability would be an Alinco 570T. This would give you medium power on both 2 meter and 70 cm FM. My personal favorite handheld is the popular Yaesu FT470 dual bander. For the real cost cutters, I'd find a used Icom 2AT at a hamfest for two meter handheld, and would look for any of the medium power used 2 meter rigs such as the IC28H for my base or mobile installation. In general a mobile rig run off of a separate power supply is a very good choice for home use. Most AC operated VHF/UHF equipment will be all mode and much more expensive.

Gary KE4ZV

From 3430972701832O863
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f7380efbbf22a4e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 19:02:10 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!nosc!manta!mclennan
From: mclennan@manta.NOSC.MIL (Rod A. Mclennan)
Newsgroups: rec.ham-radio
Subject: Re: TS-440 automatic tuner experience?
Summary: TS-440 AUTOMATIC TUNER EXPERIENCE
Message-ID: <1562@manta.NOSC.MIL>
Date: 1 Jan 91 00:37:32 GMT
References: <1990Dec31.191121.10075@infonode.ingr.com>
Distribution: rec.ham-radio
Organization: Naval Ocean Systems Center, San Diego
Lines: 27

I have used the TS-440 with the built-in automatic tuner for over a year now. I use a Cushcraft R5 vertical for 10 thru 20 meters and a simple balun fed dipole for 40 meters. I can drive the R5 barefoot (i.e. tuner out) for all bands except the upper part of 20 meters. Above 14.150 the SWR rises above 1.5:1 and I cut in the tuner. It works great.

I run the tuner on the dipole on some frequencies in the 40 meter band if the SWR gets above 1.5:1. On occasion I felt the need to make a contact on 80 meters and have loaded the TS-440 into the 40 meter dipole using the tuner. It flattens out the SWR at the TS-440 but who knows what is going on at the balun (lost my Smith chart). I don't run it long on 80 meters into the 40 meter dipole since I am concerned about exceeding some volts or amps up the line.

I had one problem with a previous 40 over 20 balun fed dipole pair. The autotuner would not settle to a null on 20 meters although the

indicated SWR on the TS-440 meter dipped below 1.5:1. I solved
that by getting the R5.

All-in-all I am really pleased with the combination of the TS-440,
auto-tuner and the Cushcraft R5.

Rod W6MWB

From 2084649707030008551
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1d80f72f3490c1c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 19:02:26 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: A few new questions
Message-ID: <1991Jan1.000809.18846@athena.cs.uga.edu>
Date: 1 Jan 91 00:08:09 GMT
References: <53@bootsie.UUCP>
Organization: University of Georgia, Athens
Lines: 32

In article <53@bootsie.UUCP> olson@endor.harvard.edu (Eric Olson) writes:
>I have a few questions, after some sleepless nights trying to read
>the entire ARRL Handbook...
>
>1. Is it legal to communicate via repeater in a band for which you are
>   not licensed? The specific example that I suspect will become a common
>   question is 2m->10m repeaters. Previously, there was no class of Ham
>   operator that was licensed for 2m but not 10m... but the codeless tech
>   cannot operate 10m. Can she operate 10m via the aforementioned repeater?

Yes. The repeater transmits under its license and you transmit under your
license. As long as you transmit on frequencies for which you are authorized,
the repeater can retransmit your signals on any frequency *it* is authorized
to transmit on.

>
>2. Can I sign up to take the Tech class _with_ code, fail the code, and get
>   a no-code tech license? This is a very enticing (win-win) scenario for me,
>   and would probably be an attractive option for a lot of the people
>   lured in by the promise of no-code (e.g., those that like a challenge
>   but don't like to _fail_ :-).

Yes. It's good practice to attempt *lots* of exam elements, and then take
the highest class license for which you have passed all the elements.
>
>3. I'm confused about whether a repeater and/or phone patch can be run
>   without local direct control operator supervision. Are all those
>   repeaters out there really babysat all the time they're in use?
>   What about digipeaters and other packet radio stations?

Automatic control is authorized for repeaters and a few other things.
>

From 6668528258660885680
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,570d752a9e724902
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 19:02:30 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!samsung!zaphod.mps.ohio-state.edu!wuarchive!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: UHF ANTENNA QUESTION
Message-ID: <1991Jan1.001426.19029@athena.cs.uga.edu>
Date: 1 Jan 91 00:14:26 GMT
References: <890.277F33E5@w8grt.fidonet.org>
Organization: University of Georgia, Athens
Lines: 7
Posted: Mon Dec 31 18:14:26 1990

In article <890.277F33E5@w8grt.fidonet.org> Dave.Lydon@f470.n101.z1.fidonet.org (Dave Lydon) writes:
>Given a "Rabbit"-type TV transmitter and receiver operating around 900 mhz, what is a better & more directional antenna than the 3.5" vertical coming out of the boxes? Thanks much.
>
I assume this is an unlicensed device operating under FCC Part 15.
Increasing the power output (even if only by improving the antenna)
is probably not legal. But if you want to proceed, standard antenna
theory works at 900 MHz... you could build a baby Yagi or cubical quad.

From 4450736494365169517
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4894f133cff41a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 19:02:44 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!news.cs.indiana.edu!msi.umn.edu!cs.umn.edu!kksys!orbit!pnet51!rambler
From: rambler@pnet51.orb.mn.org (Dan Meyer)
Newsgroups: rec.ham-radio
Subject: Re: RF and the outer limits...
Message-ID: <3725@orbit.cts.com>
Date: 31 Dec 90 19:45:04 GMT
Sender: root@orbit.cts.com
Organization: People-Net [pnet51], Minneapolis, MN.
Lines: 20

rharel@fab8.intel.com (CAL-LAB (MS:JER2-85 TEL:7589) writes:
>Ever wonder why after all the billions of dollars and countless man-hours
>spent on searching for extra-terrestrial RF signals that we've come up with

>NOTHING ! ? I don't have the answer either. However, one possiblitity is that

rest of article deleted.

Another (obvious) possibility, is that there is no other life of any kind
anywhere in the universe. Not real likely, but the possibility does exist.

Happy New Year

-- Dan
-- N0KFB

(searching for signs life from another world)
Remember: " Buffalo never Oink " Seen on a South Dakota travel brocure.
Advertisment: Try the Railway Post Office , a railfan BBS ! (612) 377-2197.
UUCP: {crash tcnet}!orbit!pnet51!rambler
ARPA: crash!orbit!pnet51!rambler@nosc.mil
INET: rambler@pnet51.orb.mn.org

From -3586415490354170028
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8076ad62bdee819f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8076ad62bdee819f,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f8c35,8076ad62bdee819f,start
X-Google-Attributes: gidf8c35,public
X-Google-Thread: fddbf,8076ad62bdee819f,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10a148,8076ad62bdee819f,start
X-Google-Attributes: gid10a148,public
X-Google-Thread: f8760,8076ad62bdee819f,start
X-Google-Attributes: gidf8760,public
X-Google-Thread: f5cc0,8076ad62bdee819f,start
X-Google-Attributes: gidf5cc0,public
X-Google-Thread: f74ae,8076ad62bdee819f,start
X-Google-Attributes: gidf74ae,public
X-Google-ArrivalTime: 1990-12-31 19:04:50 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!agate!linus!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.radio.shortwave,sci.space,sci.astro,sci.space.shuttle,comp.sys.atari.8bit,soc.culture.china,alt.tv.simpsons
Subject: My last posting from this site (Philips)
Keywords: going to get canned
Message-ID: <116450@philabs.Philips.Com>
Date: 31 Dec 90 17:13:29 GMT
Sender: news@philabs.Philips.Com
Lines: 26
Xref: gmdzi rec.ham-radio:18620 rec.ham-radio.packet:3311 rec.radio.shortwave:3283 sci.space:18678 sci.astro:7356 sci.space.shuttle:5361 comp.sys.atari.8bit:3459

soc.culture.china:33363 alt.tv.simpsons:2596

Goodbye. Philips is having layoffs, and they did it at my site. Only reason that I haven't got told officially yet is that I'm out sick on disability (eye trouble). But several reliable sources tell me that I'm to be canned when I return to work (Jan 2). My normal remote dial-up computer access code no longer works, I'm using a friend's code, at his house. Don't think they can tell whose.

The kind of work I did is television R&D, including HDTV (high defination TV, regular NTSC television, developing patents (I have 11) in this field. Also have done DSP, & high speed digital logic design, up to 114MHz clock speeds. I posted my resume on misc.jobs.resumes Or call me up and I'll mail anyone interested a copy of it, and a list of my patents. Will consider anywhere in USA. Corporations, and colleges (someone at a college called me about 2 weeks ago, call again).
Also give my name and number to any and all headhunters.

```
Robert Casey            Amateur radio WA2ISE
855 Oradell Ave         Amateur radio packet:  WA2ISE@KD6TH
Oradell, NJ 07649
201-261-4066
```

Don't try to use e-mail, as Philips is going to delete my computer account the day I get officially canned. I don't expect to be able to log on again.

This is the dark side of American life. But getting layed off is better than getting killed in or near Tianamen Square.

From 1127562705888540782
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 19:06:11 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: Rumors of ARRL appeal on No-Code
Message-ID: <1991Jan1.005836.23176@NCoast.ORG>
Date: 1 Jan 91 00:58:36 GMT
References: <9012301924.AA29750@umail.UMD.EDU> <1759@ke4zv.UUCP>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 43

As quoted from <1759@ke4zv.UUCP> by gary@ke4zv.UUCP (Gary Coffman):
+---------------
| and who welcome *anyone* who shares their interests. Naturally I don't
| frequent those mortibund clubs that spend all their time arguing about
| increasing the CW IDer's speed on their tube type repeater, or who endlessly

| haggle about Robert's Rules of Order. One of my favorite groups specifically
| eschews Robert in our charter, and we don't charge dues. We find that passing
| the hat when we need to do something works very well. We don't have a
| President either, preferring a Lord of Chaos as our leader.
+---------------

Unfortunately, I belong to one of those moribund clubs --- there being few alternatives. Fortunately, however, there is a growing split in the club and I suspect no-code will cause it to come to fruition --- those many of us who want to embrace the future will likely end up splitting off and forming our own club, leaving the "Retirees on Radio" (my name for the current mess) to go to hell in their own handbasket. (But many of those who are growing increasingly dissatisfied are club officers, so it may happen the other way around. I can hope.)

Personally, I strongly support the new Tech license, *in conjunction with a greatly improved PR drive* (see my other thread). I'd like to encourage potential hams to join our little (for the moment) packet group --- we are small, but already we're working with a number of high-speed packet networks and are likely to become the Ohio gateway into NEDA soon. We have plenty of room over here on our two 2m frequencies, and we are working on other frequencies. WB8LYJ intends to set up a 902-928 local LAN, and I will start out on 220 and then move the high-speed LAN link to microwave and set up a Novice user port. If I can get the microwave gear sooner, I may skip the 220 high-speed link and just set up the user port --- the only 220 activity locally is a backup Ohio LAN link shared with PacketClusters and a BBS forwarding frequency that is less than welcoming to Novices.

In any case, *I* will be working to bring new hams in --- with or without the local club's help or approval. (If it's without, I may look over some of the less local clubs.)

++Brandon
--
```
Me: Brandon S. Allbery              VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR              AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

From -2378247956527859922
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1d80f72f3490c1c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-31 19:06:21 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: A few new questions
Message-ID: <1991Jan1.013512.23401@NCoast.ORG>
Date: 1 Jan 91 01:35:12 GMT
References: <53@bootsie.UUCP>

Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 87

As quoted from <53@bootsie.UUCP> by olson@bootsie.UUCP (Eric Olson):
+---------------
| 1. Is it legal to communicate via repeater in a band for which you are
| not licensed? The specific example that I suspect will become a common
| question is 2m->10m repeaters. Previously, there was no class of Ham
| operator that was licensed for 2m but not 10m... but the codeless tech
| cannot operate 10m. Can she operate 10m via the aforementioned repeater?
+---------------

I assure you there was and is: both Novice and Technician can not transmit on the section of 10m used for repeater operation. FM, being wideband (compared to SSB), is restricted to the upper part of 10m to which Novices and current Techs don't have access.

I had the same question when I got my Novice license, because I wanted to pick up a 220 HT and wanted to know if it would be legal for me to use the local linked repeater. The answer was a definite YES --- because it's not you controlling the transmission on 10m (or 2m in my case), it's the repeater control operator. The general rule is that only a ham licensed for the transmitter output frequency may make or break the link, but once it's made any ham licensed for the *input* frequency may use it. This is especially important when you consider that the outputs for virtually all 220 repeaters are outside Novice privileges... but virtually all *inputs* are within it.

+---------------
| 2. Can I sign up to take the Tech class _with_ code, fail the code, and get
| a no-code tech license? This is a very enticing (win-win) scenario for me,
+---------------

Passing an exam element gets one a CSCE (Certificate of Successful Completion of Examination). Submission of the proper unexpired CSCE's along with a Form 610 gets one a license. Since Tech now requires only elements 2 and 3A, if you fail Element 1A but pass 2 and 3A, you will still be eligible for Tech. If you pass 1A and 2 but fail 3A, you will be eligible for a Novice ticket. If you pass all three, you will be eligible for Technician with the code endorsement and corresponding HF privileges.

I currently have an outstanding CSCE myself (Element 3B, General theory) awaiting my getting enough time away from work to work on the Element 1B code and hopefully Advanced theory. The CSCE is good for one year from the date of issuance (except that Element 1A is now good forever if you've passed element 3A); you have one year to pass the remaining element and upgrade.

+---------------
| 3. I'm confused about whether a repeater and/or phone patch can be run
| without local direct control operator supervision. Are all those
| repeaters out there really babysat all the time they're in use?
| What about digipeaters and other packet radio stations?

+---------------

The FCC RULE BOOK put out by the ARRL states very clearly that Novices may not initiate or terminate autopatches because they in effect would become control operator of the repeater. However, a Tech or higher may initiate an autopatch, and the Novice may then use it. This is basically the same as the rule for linked repeaters.

Automatic control is restricted to certain frequency ranges; repeaters (including digipeaters) are therefore restricted in the frequencies they may use. The frequency ranges do *not* include most of HF (excepting the section where FM repeaters are permitted; a rather limited range of frequencies, but it must be remembered that the *entire* HF range, amateur and otherwise, would fit inside the 420-450 MHz ham band!).

```
+---------------
| 4.  Is it legal to make a repeater that changes its output frequency
|     via DTMF signals (and appropriate security codes a la phone patch)?
+---------------
```

Absolutely. It's called a "remote base". Various repeaters in my area have remote bases on 10m, 6m, and 2m --- at least. There are probably others; I believe I read something about a local repeater with a 220MHz remote base.

Well, I should qualify that. A repeater must (or at least should) have a fixed input and output separated by the standard offset for the band in question (i.e. 100 KHz for 6m, 600 KHz for 2m, 1.6 MHz for 220 MHz, 5 MHz for 440 MHz, etc.; these are U.S. figures, they are different, for example, in Europe) and the frequencies should be assigned, or at least cleared with, the local frequency coordinators. However, such a repeater may have one or more remote bases on it, following the same rules as above (Novices can't control the remote link but can use it, etc.).

++Brandon
--
Me: Brandon S. Allbery   VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG   Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR   AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery   Delphi: ALLBERY

From 8436809042707697359
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4894f133cff41a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-01 00:34:28 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!ucsd!qualcom.qualcomm.com!fpa
From: fpa@qualcomm.com (Franklin Antonio)
Newsgroups: rec.ham-radio
Subject: Re: RF and the outer limits...
Message-ID: <1991Jan1.074440.13777@qualcomm.com>
Date: 1 Jan 91 07:44:40 GMT

References: <9012311443.AA29811@hermes.intel.com>
<1990Dec31.180227.17457@bellcore.bellcore.com>
Reply-To: antonio@drzeus.qualcomm.com
Organization: Qualcomm, Inc., San Diego, CA
Lines: 34

karn@envy.bellcore.com (Phil R. Karn) writes:
>rharel@fab8.intel.com (CAL-LAB (MS:JER2-85 TEL:7589)) writes:

>>Ever wonder why after all the billions of dollars and countless man-hours
>>spent on searching for extra-terrestrial RF signals that we've come up with
>>NOTHING ! ?
>
>Actually, there's a simple explanation for having heard nothing: so
>far we've only listened to a tiny fraction of the search space
>(duration, frequency, spatial direction) with enough sensitivity to
>detect other earth-like civilizations.

Phil is exactly right. There is another dimension that Phil didn't mention that I have always thought to be important: signal structure. The SETI guys look for extremely narrowband signals. Often they talk about 1 Hz wide bins in their spectrum analyzers. I've seen them talk about 0.01 Hz wide bins! They don't have much choice really. They need the integration time afforded by the narrow bandwidth to make the link budget work at many light-years distance. The Carl Sagan novel "Contact" has an alien civilization receive ordinary broadcast television signals radiated from Earth. The information bandwidth in such a signal means that the rcv antenna required at the alien planet few light-years away from earth would have to be bigger than a typical planet. Maybe possible, but not likely to be likely.

Information content is not the only thing that increases the bandwidth of an RF signal, of course. Here on Earth, advanced communications systems spread the bandwidth of signals for other reasons: to combat multipath, to share spectrum efficiently, to derive precise timing from a signal (as in navigation systems). These systems are known as "spread spectrum" techniques.

My personal theory for why the SETI researchers have not detected alien RF transmissions is that the aliens are a few years ahead of us, and therefore are all using spread spectrum.

From -5413792220552615965
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-01 03:22:53 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!rsiatl!jgd
From: jgd@Dixie.Com (John G. DeArmond)
Newsgroups: rec.ham-radio
Subject: Ham clubs 'n such (was Re: Rumors of ARRL)
Message-ID: <5571@rsiatl.Dixie.Com>
Date: 1 Jan 91 06:41:50 GMT

References: <9012301924.AA29750@umail.UMD.EDU> <1759@ke4zv.UUCP> <1991Jan1.005836.23176@NCoast.ORG>
Organization: Rapid Deployment Systems (making go-fast things and things that-go fast)
Lines: 80

allbery@NCoast.ORG (Brandon S. Allbery KB8JRR) writes:

>As quoted from <1759@ke4zv.UUCP> by gary@ke4zv.UUCP (Gary Coffman):
>+---------------
>| One of my favorite groups specifically
>| eschews Robert in our charter, and we don't charge dues. We find that passing
>| the hat when we need to do something works very well. We don't have a
>| President either, preferring a Lord of Chaos as our leader.
>+---------------

>Unfortunately, I belong to one of those moribund clubs --- there being few
>alternatives. Fortunately, however, there is a growing split in the club and
>I suspect no-code will cause it to come to fruition --- those many of us who
>want to embrace the future will likely end up splitting off and forming our
>own club, leaving the "Retirees on Radio" (my name for the current mess) to go
>to hell in their own handbasket.

Brandon,

Let me suggest an alternative. The favorite group that Gary mentioned is the one that he and I started about a year ago centered around our new 443.65 repeater here in atlanta (where the REAL hams hang out :-).
We had gotten fed up with the degraded condition of our old club, repeater and general conversation and decided to do something about it. So we started brainstorming and looked around at what had worked in other areas. One of the most successful enthusiast/professional groups in Atlanta is the Atlanta Unix Users' Group. There is no club, no officers and no structure. One person, Lindsay Cleveland, handles planning the programs and scheduling the room. Whenever he needs postage money or whatever, he announces it at the meeting and we all pass the hat. Conspicuously absent is the political bickering, the power plays, the cliques and all the other bad stuff traditionally associated with enthusiast associations.

We decided to take the same approach. I scrounged up a power supply and chassis, Gary scrounged some duplexers, KM4BA came up with radios suitable for conversion to repeater service, I fabricated the antenna mount, KI4XO came up with a network analyzer to tune the assembly with and a host of others contributed the other misc items. We passed the hat in order to buy the controller, crystals, antenna and misc hardware. Since I'm physically the largest of the group :-), I took charge of fundraising. We pulled off the whole process in a few months and are now looking toward remote receivers and/or linking with another repeater on the other side of town plus having a hot standby repeater on the ground. Decisions get hashed out on the air or over coffee at the local Waffle House.

We consider the system to be totally open. We'll give a copy of the repeater control codes to just about anyone who asks. But since there is no patch or bleeps, boops or squeeks on the repeater, there is little to control.

This system is working marvelously. We have a nice, well engineered repeater with a very collegial environment. Our biggest problem so far has been the weather which has made it rough finishing the tower work. Since there are no club meetings or officers, there is no opportunity for anyone to get mad or to play politics. If someone wants to make a change in something, we say fine! If we all like the idea, we'll help out. If not, well, try it and see what happens. if it's good, it stays otherwise we talk you out of it. On the other hand, if you get pissed off at the way things are, there is no organization to direct your anger at.

The nice thing about this non-organization is that when people are motivated, there are no impediments in their way. And when people get burned out as I did awhile back, others migrate in to fill the void. And when the burn- out is over, you can migrate back in again. This scheme is quite similiar to the Usenet and it works for the same reasons Usenet does. The other thing that this non-organization does is plainly recognize the fact that most things get done by a handful of people. There is no pretense of a non-producers being a part of the group because the group by definition consists at any moment of those that are actually doing something. Consider giving it a shot.

John

```
--
John De Armond, WD4OQC         | "Purveyors of speed to the Trade"  (tm)
Rapid Deployment System, Inc. |  Home of the Nidgets (tm)
Marietta, Ga                  | "To be engaged in opposing wrong offers but
{emory,uunet}!rsiatl!jgd      |  a slender guarantee of being right."
```

From -8939023629801514250
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e815f8d5dd6d7024,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-01 06:42:19 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!rutgers!att!tut.cis.ohio-state.edu!ucbvax!STLAWU.BITNET!MROWEN
From: MROWEN@STLAWU.BITNET (Michael Owen W9IP/2)
Newsgroups: rec.ham-radio
Subject: 3CX800 amp(s)
Message-ID: <9101011426.AA16935@ucsd.edu>
Date: 1 Jan 91 13:15:22 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: SAINT LAWRENCE UNIVERSITY
Lines: 20

OK, all you vacuum-tube wizards. Here's a puzzler for you.
Well, it's a puzzler for me, anyway:

I want to build a couple of VHF power amplifiers using the 3CX800 triode. This is no problem, since there are several designs published. But I would like to run them all from a common HV power supply. Is it OK to just connect each amplifier's B+, B-, and chassis grounds together? Actually, the real question is what will happen to cathode-current metering? I gotta admit, triodes in grounded-grid baffle me. Any help out there?

Along a similar line, can you think of any way in the world to also run a grounded-cathode tetrode (ie 4CX250 or 4CX1000) from the same HV supply as the triodes, at the same time? I don't think it's possible, but I could be wrong. (where will the B- be, at chassis or floating?)

E-mail direct if you don't want to QRM the no-coders.

Mike

From -3061781414652693750
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,be0a1bd344aeed5c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-01 08:16:33 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Open Letter to ARRL Pres. Larry Price
Message-ID: <900.27806B29@w8grt.fidonet.org>
Date: 1 Jan 91 16:01:02 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 26

> From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
> Date: 1 Jan 91 05:05:16 GMT
> Organization: University of Georgia, Athens
> Message-ID: <1991Jan1.050516.21147@athena.cs.uga.edu>
> Newsgroups: rec.ham-radio
>
> I got a reply from Larry Price today. He said that because the Report
> and Order had not yet been issued, the ARRL could not yet make a
> statement
> in support of the new move. This is a lot weaker than what the news
> release originally indicated he was saying.

I think this is the reaction to the public support of the FCC decision and the widespread condemnation of their trial balloon about Reconsideration.

I long ago came to the conclusion that the only way to deal with the ARRL is to regard them as the publishers of a fairly decent magazine PERIOD. We'll have to our own lobbying with Congress and the FCC. Frankly, I think even the

Commission would prefer that. I suspect they regard the ARRL as the Antiquarian Rant 'n' Rave League.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 5271712406989342768
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93f76d752f88cffd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-01 08:16:42 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: FCC Rumor -- (But what if it is true?)
Message-ID: <901.27806B30@w8grt.fidonet.org>
Date: 1 Jan 91 16:01:12 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 15

> From: k3tx@wells.UUCP (Dave Heller)
> Date: 1 Jan 91 05:09:20 GMT
> Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
> Message-ID: <721@wells.UUCP>
> Newsgroups: rec.ham-radio
>

This is developing into the gimpy version of the anti-nocode argument. No thanks. I don't buy it.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 4430145095447642988
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9feb1bdab4cd0b4e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-01 10:51:03 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: CW for pilots
Message-ID: <9101011805.AA10489@tilde>
Date: 1 Jan 91 18:05:28 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet

Lines: 35

In <rah@public.BTR.COM (Richard A Hyde rah@btr.com)> Richard responds:

In article <9012300306.AA15667@tilde> dube@cpdvax.csc.ti.com writes:

>| When I took my pilot training in the Air Force, CW was a requirement. At
>|least, you had to learn the characters. This was because the radio station
>|identifiers were sent in Morse. One of the first things you learned in
>|instrument flying was that you must be sure to identify the station you tuned
>|to make sure you didn't fly to the wrong place. You did this by listening th
>|the station identifiers.
>|
>
>I don't know about the Air Force, but there is no *civil* requirement to
>know morse as a pilot. The station identifiers are still often in morse,
>but the dot-dash pattern is printed right on the chart..

While cruising with your friend joyfully along at 70 MPH, having to search for
the identifiers on the map and carefully comparing each character against the
map notation (sometimes requiring several passes) is no biggie. It's a
different matter when you are alone, drilling a hole in the soup at 480 Knots.
At 8 miles per minute, you can be in timbuktoo before you find out which
station you've got. That's if everything is going smoothly. Throw in a small
problem with the machine, or a "last-minute" clearance change from ATC, and
you'd be thankful to be able to copy the ID in your head.

>12 years of flying didn't help much on my Novice code test :-)

Over 30 years of flying didn't improve my code speed either, but I certainly
was thankful that I already knew the characters when I did need them.

But wait. This isn't the forum to air this discussion. Please direct replies
to me rather than the net.

73,
Dube   N5PDK

From -4442683416717724711
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1d80f72f3490c1c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-01 10:52:21 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: A few new questions
Message-ID: <1767@ke4zv.UUCP>
Date: 1 Jan 91 18:23:59 GMT
References: <53@bootsie.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)

Organization: Gannett Technologies Group
Lines: 77

In article <53@bootsie.UUCP> olson@endor.harvard.edu (Eric Olson) writes:
>Hi again! Happy newt ears, everybody!
>
>I have a few questions, after some sleepless nights trying to read
>the entire ARRL Handbook...
>
>1. Is it legal to communicate via repeater in a band for which you are
>   not licensed? The specific example that I suspect will become a common
>   question is 2m->10m repeaters. Previously, there was no class of Ham
>   operator that was licensed for 2m but not 10m... but the codeless tech
>   cannot operate 10m. Can she operate 10m via the aforementioned repeater?

Yes. There used to be a class of ham operator who didn't have 10 meter privledges, it was called, strangely enough, Technician. The more things change etc. Anyway, as long as the control operator for the repeater is licensed for the output frequency of the repeater and the user is licensed for the input frequency of the repeater, all is legal. Lots of 220 to 2 repeaters around serve to link Novice operators with the rest of us.

>2. Can I sign up to take the Tech class _with_ code, fail the code, and get
>   a no-code tech license? This is a very enticing (win-win) scenario for me,
>   and would probably be an attractive option for a lot of the people
>   lured in by the promise of no-code (e.g., those that like a challenge
>   but don't like to _fail_ :-).

You bet!

>3. I'm confused about whether a repeater and/or phone patch can be run
>   without local direct control operator supervision. Are all those
>   repeaters out there really babysat all the time they're in use?
>   What about digipeaters and other packet radio stations?

This is sticky. The rules say that all third party operations must have a control operator. The operator doesn't have to be physically present at the repeater site however. He may use wireline control from a remote point or he may use auxiliary link frequencies to maintain remote control. The sticky part is determining if he is there and doing his job. He needn't be able to talk to you over the repeater to be in control so he may be there or not without your knowledge. It's his license on the line for failure to control the system though, not yours. As for digipeaters, the FCC granted permission for their use under automatic control at VHF and above even when carrying third party traffic. And a regular voice repeater may operate under automatic control as long as it isn't used to pass third party traffic. This means no phone patch for sure. I don't know the answer if the voice repeater is being used by a traffic net to pass third party traffic. Anyone care to comment?

>4. Is it legal to make a repeater that changes its output frequency
>   via DTMF signals (and appropriate security codes a la phone patch)?

Users may bring up auxiliary functions of a repeater system by on channel signalling. This isn't considered acting as a control operator. Whether this allows bringing up another transmitter or changing the output frequency is questionable as this appears to be acting as control operator. The control operator may of course do this at any time via the auxiliary control frequency or wireline. This is another grey area that I don't feel completely competent to answer.

>6. Would a 100W 10m Transmitter to an antenna, say, 100 feet away, damage
>   one of those full-coverage scanners? Would a 1KW Transmitter? 2m?
>   It just seems like that would generate a lot of energy at the antenna
>   of the scanner-- how much is too much?

This should not be a problem. A 100 watt transmitter working into a 50 ohm load will generate about 70 volts of RF. Field strength falls off to the inverse square of the distance. At 100 feet the RF voltage across 50 ohms should be 1/10,000 of the voltage at one foot. So the scanner should see no more than approximately 7 millivolts at it's input. A one kilowatt transmitter in the same circumstances would produce about 22 millivolts at the scanner. That shouldn't cause any problems. This has been a simplified calculation ignoring near field effects, but should be ballpark for this situation. At 80 meters the numbers would be somewhat different as near field effects would predominate and you could see volts of signal at the scanner.

Gary KE4ZV

From 8158198604952156308
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4894f133cff41a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-01 11:18:10 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!envy!karn
From: karn@envy..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: RF and the outer limits...
Message-ID: <1991Jan1.183915.10276@bellcore.bellcore.com>
Date: 1 Jan 91 18:39:15 GMT
References: <9012311443.AA29811@hermes.intel.com>
<1990Dec31.180227.17457@bellcore.bellcore.com>
<1991Jan1.074440.13777@qualcomm.com>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@envy.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 31

In article <1991Jan1.074440.13777@qualcomm.com> antonio@drzeus.qualcomm.com writes:
>My personal theory for why the SETI researchers have not detected alien
>RF transmissions is that the aliens are a few years ahead of us, and therefore
>are all using spread spectrum.

Gee, Franklin, why am I not surprised that somebody from Qualcomm would make this statement? :-)

Seriously, I doubt that any civilization that really wanted us to detect its signals would be spreading them, precisely because that would expand the search space horribly without providing any real compensating advantage. It's already plenty big even if you consider only coherent narrowband signals.

Any RF signal intended as a sign of intelligent life must be readily distinguishable from naturally generated signals. We know how to search for stable, coherent, narrowband signals on a large scale. And there are very few natural processes that generate them. So the concensus has been that SETI should concentrate on looking for them them.

Sure, maybe this is a bit like the drunk who, when asked why he was searching for a contact lens on the north side of the street he knows he dropped on the south side, replied "Yeah, but the light is much better over here." But in SETI you don't know how many contact lenses there are or how they're distributed, so you might as well look in all the easy places before you spend a lot of effort looking in the hard places.

And just to show you that the use of spread spectrum doesn't necessarily indicate the presence of intelligent life, consider GPS. :-)

Phil

From -3852509208564491047
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-01 12:13:53 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: Ham clubs 'n such (was Re: Rumors of ARRL)
Message-ID: <1991Jan1.190340.17551@NCoast.ORG>
Date: 1 Jan 91 19:03:40 GMT
References: <1759@ke4zv.UUCP> <1991Jan1.005836.23176@NCoast.ORG> <5571@rsiatl.Dixie.Com>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 35

As quoted from <5571@rsiatl.Dixie.Com> by jgd@Dixie.Com (John G. DeArmond):
+---------------
| Let me suggest an alternative. The favorite group that Gary mentioned is
| the one that he and I started about a year ago centered around our new
| 443.65 repeater here in atlanta (where the REAL hams hang out :-).

+---------------

(description omitted)

I started giving it serious thought when I read the original post. However, as I mentioned, a large number of club officers seem to be among those who are growing frustrated with the direction the club is taking.

On the other hand, if we have another meeting like the November one, the same club officers may want to relegate Robert to the role of dummy load and try transmitting with something else. [:-)] The situation is still unformed, and only time will tell.

Who knows, people may be waiting for someone to step forward and catalyze it. (Now if I could only attend the "Friday Lunch Bunch" sessions more often; that's where most of this discussion/dissent goes on, and where I'd have the best chance at becoming involved.)

BTW, at least one of the dissenting club officers already runs his own repeater. If having a repeater actually mattered, we may well have one to start with. (It's not clear to me that having our own repeater would be strictly necessary, however. Somewhere to talk would be nice, but somewhere *run by us* may not be a requirement.)

```
++Brandon
--
Me: Brandon S. Allbery              VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR              AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

From -7179180731928952331
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4894f133cff41a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-01 12:13:57 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: RF and the outer limits...
Message-ID: <1991Jan1.193045.17853@NCoast.ORG>
Date: 1 Jan 91 19:30:45 GMT
References: <9012311443.AA29811@hermes.intel.com>
<1990Dec31.180227.17457@bellcore.bellcore.com>
<1991Jan1.074440.13777@qualcomm.com>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 52

As quoted from <1991Jan1.074440.13777@qualcomm.com> by fpa@qualcomm.com (Franklin

Antonio):
+---------------
| My personal theory for why the SETI researchers have not detected alien
| RF transmissions is that the aliens are a few years ahead of us, and therefore
| are all using spread spectrum.
+---------------

Every so often I wonder if perhaps the FCC should add some (largeish) chunk of HF to the Novice license for the express purpose of SS experimentation. My thought at those times runs along the lines of, if we can get SS in use more on HF, there will be incentive for more hams to use it in favor of other modes that are in many ways less efficient (in terms of spectrum usage). (It's also a gripe of sorts that the Novice license is virtually useless for such experimentation; on HF, Novices can't do *anything* that might advance the art. One of the reasons I like the entry-level Tech license so much is that there is finally an entry-level license where the folks who want to push the boundaries a bit are actually allowed to do so....)

If doing this with HF is "too much", a chunk of 6m might well do instead....

It seems to me that we now have an entry-level license that can encourage technical types to experiment with VHF/UHF/microwave. Great. But increasingly it's HF that needs the breakthrough. What say to giving the Novice entry-level license some leeway to play with modes like SS that can reduce the overcrowding problem? (Please note that this suggestion says *nothing* one way ot the other about Morse code; that issue is irrelevant to this one. This is the *only* change I propose: adding SS to the Novice license in a way that would encourage its use.)

Of course, for this to work, it would be necessary to make SS equipment available. Perhaps we should be putting on our thinking caps and working out SS kits to get them started with.

Another thing that would be useful to SS in general would be a relaxing of the Part 97 rules concerning it, especially with respect to allowable "codings". My idea here is to have one or more "SS coordinators", similar to repeater coordinators, which would have the job of coordinating SS codings and possibly frequencies/frequency ranges. This would allow the FCC to open SS to more codings, with the proviso that only the SS coordinators (or an unbrella organization thereof) would be able to ask the FCC to okay a coding for use. (That simplifies the FCC's job considerably over requiring individual hams to get an okay from the FCC.)

Just a few thoughts (and I'd like to try out SS myself once I have the time and the equipment).

++Brandon
--
Me: Brandon S. Allbery VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery Delphi: ALLBERY

From 2260585183241712394
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,306795086300e9b5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-01 16:11:52 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!pyramid!athertn!steveh
From: steveh@athertn.Atherton.COM (Steve Harding)
Newsgroups: rec.ham-radio
Subject: Re: FCC Petition, CB RADIO TRAFFIC ADVISORY CHANNEL [130 lines]
Message-ID: <33968@gumbo.athertn.Atherton.COM>
Date: 1 Jan 91 21:01:26 GMT
References: <860.277BC0EB@w8grt.fidonet.org>
Organization: Atherton Technology, Sunnyvale, CA
Lines: 16

In article <860.277BC0EB@w8grt.fidonet.org>, jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
> I am still trying to figure out why this thread is in rec.ham-radio.
>
> --
> Jim Grubs - via the friendly folks at UUNET
> UUCP: ...!uunet!w8grt!jim.grubs
> INTERNET: jim.grubs@w8grt.fidonet.org

I find it a refreshing change from the umpteen code/no-code "discussions", reorganization stuff, and ARRL bashing.

I also perceive that the original poster was trying to solicit ideas from we hams, who are supposed to know all there is about radio.

73 de KA6ETB

From -7133981771589653883
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-01 21:47:06 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Rumors of ARRL appeal on No-Code
Message-ID: <1991Jan2.052707.72@ux1.cso.uiuc.edu>
Date: 2 Jan 91 05:27:07 GMT
References: <9012301924.AA29750@umail.UMD.EDU>
Organization: University of Illinois at Urbana
Lines: 105

ps67@UMAIL.UMD.EDU ("Paul W. SCHLECK") writes:

>privileges. There was also concern about excessive band loading on
>2m.

I challenge any ham to prove that there is excessive band loading
(as opposed to poor planning and coordination) anywhere in the USA
on 2 meters or any VHF or UHF band.

>Hugh says that comments on the issue have been split right down the
>middle. He is very concerned that the new regulations will divide
>amateur radio. He brought up 3 key goals of license restucturing, and
>why he felt that the new license might not be of significant
>impact:

if you further divide the divided by whether or not MOST of their
operation is ABOVE or BELOW 30 MHz, I would bet you will find there
is some correlation between whiners and HF'ers.

>1. An influx of new, quality hams. Any new restructuring in and of
>itself will not dramatically increase our ranks. No-Code is not a panacea
>and it should not be though of as such. Any serious effort to recruit new
>hams with this new license should be accompanied by an appropriate
>recruting/PR effort. VE's turning in their accredidation over disagreement
>with the new license will not achieve this goal.

This is a very important point.

>2. A dramatic increase in amateurs on the UHF and Microwave bands,
>to prevent licensed and unlicensed encroachment on our bands from Part 15
>devices, HDTV, cellular phone, satellite communications, etc. Giving
>away the lower VHF bands to new hams might give us the same band
>loading problems, only more so. The ARRL felt (whether you agree with
>it or not) that a 220-and-up license would force new hams to break new
>ground on the upper bands.

Any ham who believes the band is overloaded should be the first to QSY.

To expect to jump start the higher bands like 33cm and on up with just
the newcomers is assinine and DANGEROUS to amateur radio. Doing that
would hasten the loss of those bands due to the lack of operators who
are in contact with the rest of amateur radio.

>3. Acceptance and assimilation of these new hams into the mainstream
>of the hobby. Again, bitter divisiveness, shunning, old Tech's using
>a /C suffix, and other childish games will not make these new hams feel
>welcome. If this new license, as sensible and well though out as it may be,
>causes more divisiveness and infighting (possibly played out on the ham
>bands), then it may hurt more than help amateur radio.

Any ham who is not ready to accept the new Technicians on the granted
spectrum should send their form 660 into Gettysburg ASAP.

>As was stated previously, the stream of comments coming in to League

>officials on the issue have been split 50/50. If you write the ARRL, and I encourage you to do so, please consider the following in your letter:

>1. Will 6m TVI be a problem? Why/Why not?

Certainly not if there remains very little available equipment and 2 meters remains the magnet band.

>2. Will 2m band loading be a problem? Why/Why not?

Even the 2 meter band is vastly underutilized compared to what we could do with it. If hams want a band they can do sloppy planning and coordination on, own private unshared repeater frequencies, etc., then I suggest they QSY to 23cm or preferrably higher.

>3. What recruitment efforts do you and/or your club have in place to test, train, and accept these new hams?

Very little at present but now that a real possibility exists for a whole group of people to become licensed that never would before, this is something that needs to be done. I am currently working on coordinating and possibly teaching a class beginning in January or February just dedicated to the Technician class (new Techs or Novice upgrades).

>4. What kind of impact will this new license have on use of the UHF and Microwave bands?

Hopefully an across the board increase. More likely, as the perceived overloading of 2 meters takes place, which will extend to 70cm due to the availability of so many good dual-band radios, some hams will move on up to higher frequencies to "escape" the crowd.

It is far better that the paranoid and anti-social move away rather than the naive beginners.

>5. Will the new license cause a splitting of hams into code/no-code camps? What can you and/or your club do to make these hams feel welcome and smooth over ruffled feathers among existing hams?

Big cities will have this problem because there are enough of any subset of hams around to form their own clubs and cliques. Smaller towns and rural areas are not likely to see this as a significant problem.

>Sorry this post is so long, but I had to get in all the information. Please don't flame/write me, flame/write the ARRL.

I'll write and post, ok?
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 1426526183330183049
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6cbd01e133c635a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-01 22:07:04 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: The comming no-code newbies... What has the FCC done to us this time?
Message-ID: <1991Jan2.054311.919@ux1.cso.uiuc.edu>
Date: 2 Jan 91 05:43:11 GMT
References: <1990Dec31.063057.23062@news.arc.nasa.gov>
<1990Dec31.064215.12214@athena.cs.uga.edu>
Organization: University of Illinois at Urbana
Lines: 32

mcovingt@athena.cs.uga.edu (Michael A. Covington) writes:

>The question I would put to those who continue to oppose no-code
>(including, perhaps, some of the ARRL leadership) is this:
>Will there ever be a time in the future when license requirements
>are different from what they are now? Do we modernize, or do we
>fossilize?

Considering that today you can dial up an answering machine in the
Kremlin from your car phone, there is clearly going to be from now and
forever more, a means to merely communicate anywhere, very simply.

Amateur radio still has a place. That place is for people who want to
do more (even just a little more) than mere communication. Everything
from emergency communication readiness to development of packet radio
networks will still be taking place ... if we want to.

There is no need to drop technical tests. There will be a need to revise
those tests. Perhaps one of the things we need to set up next is for a
system of better revising and developing tests to keep up with the matters
that amateur radio operates on and the continuously increasing technology.

>I came out only mildly in support of no-code, but I'm gradually turning into
>a raving fanatical defender of the no-code license simply because the
>things that are said *against* it are so dumb!

And would you believe they are still being said.

--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -3218126297799983979
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,17e278fa2b084223,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-01 22:10:33 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!mips!pacbell.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: off the deep end
Summary: hang it up, the world has ended
Message-ID: <25454@ucsd.Edu>
Date: 2 Jan 91 05:58:03 GMT
Organization: The Avant-Garde of the Now, Ltd.
Lines: 75

If this is a typical ham, I'm no longer proud to be one....

Date: 21 Dec 90 04:16
Message-ID: <25240@WA8BXN>
From: NK8H@WA8BXN
To: ALL@ALLUS
Subject: a sad day
Path: KB6GFT!N6KZB!KB6GVT!KB6JES!KB6RAA!KB6RAA!N8GTC!KC8TW ...

here we go again. "remove the code
requirement for those who find it unsuited to
their needs and tastes" another classic!! as a public school teacher for the
past 19 years, i have seen the results of
"lowering the standards" to make things
easier forthe minorities. in my profession, i
never had had much choice. follow the
dictates of the school board or find another
job. well, when it comes to signing my
name to a "no-code" amateur license, i do
have a choice. as of today, i am returning my arrl/vec
certificate to protest the decision of
the fcc. this won't amount to much but it
will make me feel a lot better about
what the bureau has done. the action i am taking will amount to
very little, if anything, but it will make
me feel better about a sad and
sickening decision by the fcc. at
least i will know that i'm not the one
to perpetuate this "give in" process
one step further. i like amatuer radio;
i am proud to be part of it; i get a
lot a lot of enjoyment from it; i hate
to think that every pervert going down
the highway
may get the chance to take these things
away from me
me...cul..de don, nk8h @ wa8bxn..the voice of wickliffe, ohio...73

Date: 23 Dec 90 08:31

Message-ID: <25569@WA8BXN>
From: NK8H@WA8BXN
To: ALL@ALLUS
Subject: ve's! take a stand
Path: KB6GFT!N6KZB!KB6GVT!KB6JES!KB6RAA!KB6RAA!N8GTC!KC8TW ...

ok fellow ve's, it is time to stand up
and be counted. how do you stand on the
no-code issue? if you are against it,
then let's do something about. i have done
something. i recently returned my
ve credentials to the arrl.i strongly urge others that feel as i
do to do the same. if enough of us will do
it, we can send the fcc a message.
"either back up on this no-code or get the
amateur testing back in your lap". at the
same time we might find out how some
other people feel about testing delays and license fees.
  i would like to hear your opinions. but please, no
nuts. if you have a legitimate argument, fine, i would like to hear it. forget
the name-calling and character attacks...cul..de don, nk8h @ wa8bxn..the voice of
wickliffe, ohio...73

Date: 22 Dec 90 07:38
Message-ID: <25414@WA8BXN>
From: NK8H@WA8BXN
To: ALL@ALLUS
Subject: keep those cards coming
Path: KB6GFT!N6KZB!KB6GVT!KB6JES!KB6RAA!KB6RAA!N8GTC!WB8JIB ...

i am compiling a list of calls/ages to determine where the name-calling is
coming from. so far, the (gimme-take)
generation is leading the pack. it won'tchange my convictions but it will be
very interesting. no-code! no way!
"easy come, easy go" what you put into
something is proportinate to what you
get out of it. ..cul..de don, nk8h @ wa8bxn..the voice of wickliffe, ohio...73

From 3591528967814412818
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7814df02d8fd0f66,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9532,7814df02d8fd0f66,start
X-Google-Attributes: gidf9532,public
X-Google-Thread: 105d97,7814df02d8fd0f66,start
X-Google-Attributes: gid105d97,public
X-Google-Thread: f76e2,7814df02d8fd0f66,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1991-01-01 22:58:46 PST
Path: gmdzi!unido!mcsun!uunet!samsung!umich!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.ham-radio,rec.ham-radio.swap,misc.wanted,sci.electronics

Subject: Carrier Current Transmitter Wanted
Keywords: wanted
Message-ID: <1991Jan2.050731.17792@lopez.UUCP>
Date: 2 Jan 91 05:07:31 GMT
Followup-To: poster
Organization: Great White North/UPlink - Marquette, Michigan
Lines: 27
Xref: gmdzi rec.ham-radio:18644 rec.ham-radio.swap:888 misc.wanted:6374
sci.electronics:10470

I have a project that requires a low power AM or FM transmitter with
decent audio quality. This transmitter must be legal (Part 15) to
operate, or be able to be made legal under the FCC license free
statutes.

Transmitters like this are in use on college campuses, and similar
situations where coverage of a single building is required. They feed
the signal into the power lines, and hence do not radiate beyond the
building.

I saw two such units at a recent hamfest, and almost bought them, but
did not have a need for them at that time. (I.e. I kick myself) the
prices were very reasonable.

If someone on the net has such a unit for sale (LPB or PANAXIS or
similar type system) at a price that will not break my modest bankbook,
please send EMAIL to

flash@lopez.UUCP

Thanks!

--
=Marquette MI: It's Not the END of the world, but you can see it from here=
== Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash) GWN UPLink ==
== 3.950 Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================

From -2568038308894627584
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4894f133cff41a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-01 23:55:06 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!apple!amdahl!JUTS!kpc00
From: kpc00@JUTS.ccc.amdahl.com (kpc)
Newsgroups: rec.ham-radio
Subject: Re: RF and the outer limits...
Message-ID: <KPC00.91Jan1231335@JUTS.ccc.amdahl.com>
Date: 2 Jan 91 07:13:35 GMT
References: <9012311443.AA29811@hermes.intel.com>
     <1990Dec31.180227.17457@bellcore.bellcore.com>
     <1991Jan1.074440.13777@qualcomm.com>

     <1991Jan1.183915.10276@bellcore.bellcore.com>
Sender: kpc00@ccc.amdahl.com
Organization: my-organization
Lines: 10
In-reply-to: karn@envy..bellcore.com's message of 1 Jan 91 18:39:15 GMT

could it be that aliens, if we are receiving thier signals, have either much faster or much slower transmission rates than we do, regardless of the encoding? does seti try speeding things up and slowing them down?

--
If you do not receive a reply from me, please resend your mail;
occasionally this site's mail gets delayed.

Neither representing any company nor, necessarily, myself.

From -4963469592511292581
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1751c6c5f1a24cc3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 02:04:11 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!snorkelwacker.mit.edu!bloom-beacon!deccrl!news.crl.dec.com!decvax.dec.com!zinn!ubbs-nh!wa1omm!paul
From: paul@wa1omm.UUCP (Paul MacDonald)
Newsgroups: rec.ham-radio
Subject: PRO-32A
Message-ID: <paul.5058@wa1omm.UUCP>
Date: 2 Jan 91 10:04:11 GMT
Lines: 16

Are there any mods available for the Realtistic PRO-32A 200 channel handheld scanner?

--

```
                                /\  /\
                               //\\//\\
            +---------^^^^------------------^^^^---------+
            | From the shack of WA1OMM -- Paul MacDonald |
            | Using the power of the multitasking Amiga! |
            |                                            |
            | Compuserve: 70411,626   PLink:  UPPERCRUST |
            | Amateur Packet Radio:   WA1OMM@KB4N.NH.USA |
            | Usenet:      ...virgin!ubbs-nh!wa1omm!paul |
            +--------------------------------------------+
                 /\ / /\  (~  / / / / /\      /\ / / /
                /  V /~~\ _) /~/ /_/ /~~\ ,  /  V /~/
```

From -5946089225596238891
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1d7ea517dab56851,start

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 03:34:15 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!TRIUMFER.BITNET!MULTI
From: MULTI@TRIUMFER.BITNET
Newsgroups: rec.ham-radio
Subject: Radiation Field
Message-ID: <91Jan2.062406est.57361@ugw.utcs.utoronto.ca>
Date: 2 Jan 91 10:21:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 32

Date: 1 Jan 91 18:23:59 GMT
From: swrinde!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!
+ gary@ucsd.edu  (Gary Coffman)
Subject: A few new questions
To: info-hams@ucsd.edu

>>6.  Would a 100W 10m Transmitter to an antenna, say, 100 feet away, damage
>>    one of those full-coverage scanners?  Would a 1KW Transmitter?  2m?
>>    It just seems like that would generate a lot of energy at the antenna
>>    of the scanner-- how much is too much?

>This should not be a problem. A 100 watt transmitter working into a 50
>ohm load will generate about 70 volts of RF. Field strength falls off
>to the inverse square of the distance. At 100 feet the RF voltage across
>50 ohms should be 1/10,000 of the voltage at one foot. So the scanner
>should see no more than approximately 7 millivolts at it's input. A
>one kilowatt transmitter in the same circumstances would produce about
>22 millivolts at the scanner. That shouldn't cause any problems. This
>has been a simplified calculation ignoring near field effects, but
>should be ballpark for this situation. At 80 meters the numbers would
>be somewhat different as near field effects would predominate and you
>could see volts of signal at the scanner.

>Gary KE4ZV


The RF voltage field from a radio transmitter falls off as the INVERSE of
the distance, not the INVERSE SQUARE.  One Kilowatt ERP generates a field
of 186 millivolts per meter at one mile, in the absence of attenuation.
At 100 feet, the RF field would be 186*5280/100 or 9.82 volts per meter.

Ya'akov VE7-ALQ


From 5880196206307134658
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9feb1bdab4cd0b4e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 07:59:57 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!cmcl2!hsdndev!husc6!genrad!dls
From: dls@genrad.com (Diana L. Syriac)
```

Newsgroups: rec.ham-radio
Subject: Re: CW for pilots
Message-ID: <40183@genrad.UUCP>
Date: 2 Jan 91 13:54:04 GMT
References: <9012300306.AA15667@tilde>
Sender: news@genrad.UUCP
Reply-To: dls@freedom.genrad.COM (Diana L. Syriac)
Organization: GenRad, Inc., Concord, Mass.
Lines: 49

In article <9012300306.AA15667@tilde> dube@cpdvax.csc.ti.com writes:

> When I took my pilot training in the Air Force, CW was a requirement. At least, you had to learn the characters. This was because the radio station identifiers were sent in Morse. One of the first things you learned in instrument flying was that you must be sure to identify the station you tuned to make sure you didn't fly to the wrong place. You did this by listening th the station identifiers.
>
> Nowadays, many (if not all) stations use voice identifiers, so there may not even be a requirement to learn the morse characters now.

To my knowledge, there is no requirement to "learn Morse code" for any of the pilot ratings. I didn't say that it isn't USEFUL!

95% of the IDs for VORs, ILS's, NDBs are still given in Morse code. Don't worry, it's slow (about 7 wpm), and you can listen to it as long as necessary and stare at the Morse code dits and dahs on the Sectionals (airplane charts) until you're satisfied it's the right station.

My experience shows that knowing Morse code (while flying) is VERY USEFUL. Gee, it's nice not to have to stare at the Sectional to determine that what you're hearing is really what you want to hear. And in IFR flying, it's too busy sometimes to glance at the charts! Also, in the dark, it's hard to read. I've had other pilots express admiration at my being able to hear and understand the Morse code so quickly ("BOS" I say from the back seat. The pilot "How'd you do that???").

I've also heard a rumor (ONLY A RUMOR) that the FAA is considering removing the Morse code identifiers from the Sectionals, because they are difficult to find and read easily.

And there are some pilots (thankfully not too many) who don't even bother to listen to the Morse code and make sure it's the right station. Or, if anything, they listen for Morse code and if they hear ANY Morse code and the needle points to "approximately" the right direction, they use it.
I made the mistake of doing this only once (during student training).....the Morse code being sent was "TEST", meaning the VOR was down for maintenance. After "following" the VOR for about 15 minutes, the instructor said, "OK, take off the hood and tell me where we are"......We were NOWHERE close to where we should have been. "I learned about flying from that!"

An avid flyer,
Diana

```
->Diana L. Syriac      dls@genrad.com         Ham: KC1SP (Sweet Pea)      <-
->I'D RATHER BE FLYING! P-ASEL, INST       CAP: 1LT, Freedom 690 Mobile<-
->GenRad                        AD ASTRA, PER ASPERA       <-
->MS/6, 300 Baker Ave, Concord, Mass.  01742   (508) 369-4400 x2459        <-


From 4838421154335131275
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1d80f72f3490c1c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 08:00:37 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!think.com!
hsdndev!husc6!genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: Re: A few new questions
Message-ID: <40185@genrad.UUCP>
Date: 2 Jan 91 14:18:11 GMT
References: <53@bootsie.UUCP>
Sender: news@genrad.UUCP
Reply-To: dls@freedom.genrad.COM (Diana L. Syriac)
Organization: GenRad, Inc., Concord, Mass.
Lines: 35

In article <53@bootsie.UUCP> olson@endor.harvard.edu (Eric Olson) writes:
>1.  Is it legal to communicate via repeater in a band for which you are
>    not licensed?  The specific example that I suspect will become a common
>    question is 2m->10m repeaters.  Previously, there was no class of Ham
>    operator that was licensed for 2m but not 10m... but the codeless tech
>    cannot operate 10m.  Can she operate 10m via the aforementioned repeater?

Yes, it's legal, and yes, there are repeaters that do this.  One example
that comes to mind in YOUR AREA is the 70 centimeter (448.625? World Net)
on top of Mt Wachuset, MA, which is linked to 10 meter FM.  I spoke with
a ham in Oklahoma over 70 centimeter using this....I heard him better on
70 cm, than I did direct on 10 meter FM.

>2.  Can I sign up to take the Tech class _with_ code, fail the code, and get
>    a no-code tech license?  This is a very enticing (win-win) scenario for me,
>    and would probably be an attractive option for a lot of the people
>    lured in by the promise of no-code (e.g., those that like a challenge
>    but don't like to _fail_ :-).

Yes.

>5.  Anybody know of dialup BBS's about Ham Radio in the Boston Area?
>    I downloaded a list of Ham BBS's from SIMTEL-20, but both the ones in
>    Boston were no longer in operation at the listed numbers.  If not,
>    (or if so), I could start one within a couple of months.

There's one in Leominster, run by WA1DWS, but I forget the phone number.
```

Diana

->Diana L. Syriac   dls@genrad.com   Ham: KC1SP (Sweet Pea)   <-
->I'D RATHER BE FLYING! P-ASEL, INST   CAP: 1LT, Freedom 690 Mobile<-
->GenRad   AD ASTRA, PER ASPERA   <-
->MS/6, 300 Baker Ave, Concord, Mass. 01742   (508) 369-4400 x2459   <-

From -2074119854141796104
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4894f133cff41a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 08:08:13 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!news.cs.indiana.edu!rutgers!
netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: RF and the outer limits...
Message-ID: <211@platypus.uofs.edu>
Date: 2 Jan 91 13:58:47 GMT
References: <9012311443.AA29811@hermes.intel.com>
<1991Jan1.183915.10276@bellcore.bellcore.com>
Organization: University of Scranton, Scranton, PA
Lines: 17
Posted: Wed Jan 2 07:58:47 1991

In article <1991Jan1.183915.10276@bellcore.bellcore.com>, karn@envy..bellcore.com
(Phil R. Karn) writes:
>
> Seriously, I doubt that any civilization that really wanted us to detect its
> signals would be spreading them, precisely because that would expand the
> search space horribly without providing any real compensating advantage.

Yeah Phil, but that is assuming they really want us to detect them.

Maybe they really have been here already and want nothibng to do with us.
Of course it would be different if we all knew CW. :-)

bill

--

Bill Gunshannon | If this statement wasn't here,
bill@platypus.uofs.edu | This space would be left intentionally blank

From -1170862195411928074
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 08:08:18 PST

Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!mips!news.cs.indiana.edu!
rutgers!netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: Rumors of ARRL appeal on No-Code
Message-ID: <212@platypus.uofs.edu>
Date: 2 Jan 91 14:08:46 GMT
References: <9012301924.AA29750@umail.UMD.EDU>
<1991Jan2.052707.72@ux1.cso.uiuc.edu>
Organization: University of Scranton, Scranton, PA
Lines: 29

In article <1991Jan2.052707.72@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu (Phil
Howard KA9WGN) writes:
> ps67@UMAIL.UMD.EDU ("Paul W. SCHLECK") writes:
>
> >1. Will 6m TVI be a problem? Why/Why not?
>
> Certainly not if there remains very little available equipment and 2 meters
> remains the magnet band.
>

I can't believe this is a concern anymore. I used to use 6 meters all
the time, had it in the car, did all the VHF contests. My wife too.
All in all, except in the heat of a contest 6 meters has to be the
loneliest band around.

And if your really concerned with TVI, have you tried watching Cable
Channel 18 while running 2 meter packet lately?? Even my HT on low
power can wipe it out. And I think there are more people watching
Cable channel 18 than you are likely to find watching fringe channel
2 with rabbit ears.

Maybe this is another myth that should be put to rest once and for all.
6 meters != TVI.

bill   KB3YV

--

```
     Bill Gunshannon          |        If this statement wasn't here,
     bill@platypus.uofs.edu   |  This space would be left intentionally blank
```

From 5307856204666585795
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,be0a1bd344aeed5c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 09:03:47 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!infopiz!lupine!hansen!phil
From: phil@hansen.NCD.COM (Phil Graham)
Newsgroups: rec.ham-radio
Subject: Re: Open Letter to ARRL Pres. Larry Price

Message-ID: <3112@lupine.NCD.COM>
Date: 2 Jan 91 17:03:47 GMT
References: <898.277FB489@w8grt.fidonet.org>
<1991Jan1.050516.21147@athena.cs.uga.edu>
Sender: news@NCD.COM
Reply-To: phil@hansen.NCD.COM (Phil Graham)
Lines: 32

In article <1991Jan1.050516.21147@athena.cs.uga.edu>,
mcovingt@athena.cs.uga.edu (Michael A. Covington) writes:
|> I got a reply from Larry Price today. He said that because the Report
|> and Order had not yet been issued, the ARRL could not yet make a statement
|> in support of the new move. This is a lot weaker than what the news
|> release originally indicated he was saying.

I talked to my local section manager and he told me that the real problem was that since the FCC did not do exactly what the ARRL wanted they were not sure if they should support the new system.

Actually, I think the FCC solution is better than the ARRL solution.

I have read arguments that we should not allow the no-code techs on 6 meters since we will have more RFI problems. How does Morse code solve this problem?

I have read arguments that this will overload 2 meters. If this does happen then won't we move and use other bands (fully utilized 440MHz and begin to use 1.2 GHz!). Believe it or not this is a good thing. If we do not increase the utilization of our UHF and up bands we will loose them!

I have also read concern about this "splitting" the ham ranks into CODE and NO-CODE hams... What does the ability to send and receive Morse code have to do with good operating on a FM repeater, 2M SSB, digital work? Nothing at all. I think that we do have some work to Elmer the new hams so that they can be integrated easily into the hobby!

Phil
KJ6NN

From 6991449359963336050
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17e278fa2b084223
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 09:06:37 PST
Path: gmdzi!unido!mcsun!uunet!samsung!interlan.InterLan.COM!interlan.interlan.com!
yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: off the deep end
Message-ID: <YETSKO.91Jan2092349@interlan.interlan.com>

Date: 2 Jan 91 14:23:49 GMT
References: <25454@ucsd.Edu>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 12
In-reply-to: brian@ucsd.Edu's message of 2 Jan 91 05:58:03 GMT

Please don't consider this a personal attack, but to those protesting the FCC decision on no-code by returning your VEC, GOOD! You don't belong in the hobby as leaders if you can't go with the majority, or at least have a positive attitude and impact. You really don't belong in the sensitive positions a VE is with such a negative attitude.

If you don't like the no-code, fine, but I'm glad you're not going to be the first contact point of authority for these new hams. Just what they need, a negative and spiteful attitude just as they enter the hobby!

Mike Yetsko
N1DVJ

From 120866666195320731
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd4e42f9cb0f532b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 09:14:03 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!wuarchive!sdd.hp.com!ucsd!ucbvax!hplabs!hpfcso!ron
From: ron@hpfcso.HP.COM (Ron Miller)
Newsgroups: rec.ham-radio
Subject: Re: Amateur Radio Callsign on 11M; was: 10 meter rig recommendation
Message-ID: <7500074@hpfcso.HP.COM>
Date: 2 Jan 91 17:14:03 GMT
References: <810.27737DB3@w8grt.fidonet.org>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 20

> > >Ron
> > >(Fastest CW operator aboard ship was me- a $!!&# OFFICER :-)
> >
Bob Myers:
> > Gee, Ron, I've heard of a lot of different officers - OOD, morale
> > officer, medical officer, engineering, etc......what's a
> > $!!&# officer in charge of? :-)
>
Jim Grubs:
> Fires in the paint locker...

No paint locker. Not aboard a submarine..........
(Fumes you know.No shoe polish allowed nor Brasso, either)

"$!!&# officer" was usually an affectionate pet name muttered reverently under the breaths of those who observed said officers discharging their duties. :-)

Ron
NW0U

From 867680379464334664
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38c4eaa8309c5b10
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,38c4eaa8309c5b10
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1991-01-02 09:21:22 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!cunews!dgbt!barry
From: barry@dgbt.doc.ca (Barry McLarnon DGBT/DIP)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: RE: EQ for Microsats, DSP, etc.
Message-ID: <1991Jan2.151921.3487@dgbt.doc.ca>
Date: 2 Jan 91 15:19:21 GMT
References: <839@idacrd.UUCP>
Organization: The Communications Research Centre, Ottawa, Canada
Lines: 19
Xref: gmdzi rec.ham-radio:18652 rec.ham-radio.packet:3323

From article <839@idacrd.UUCP>, by mac@idacrd.UUCP (Robert McGwier):
>
> If you are using omni's and have not compared results with a correctly
> tuned PSK modem from TAPR and/or PacComm (the paccomm is a licensed
> variant of the TAPR box), then I suggest you do so. The problem

> Truth in advertising requires me to tell you that I get a royalty
> as one of the designers of the PacComm PSK-1. I am not sure but

Really? The PSK-1 is a licensed copy of the TAPR modem, which in turn
was a direct copy of a Japanese design (with some tweaking by W3IWI & co.).
Where do the royalties come in?

Barry

```
--
| Barry McLarnon     Communications Research Center, Ottawa, ON, Canada |
| Internet: barry@dgbt.doc.ca                           |
| Packet BBS: VE3JF@VE3JF        AMPRnet: barry@bbs.ve3jf [44.135.96.6] |
```

From 1934001443836353974
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 09:40:57 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!rutgers!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)

Newsgroups: rec.ham-radio
Subject: Re: Rumors of ARRL appeal on No-Code
Message-ID: <25464@ucsd.Edu>
Date: 2 Jan 91 16:29:38 GMT
References: <9012301924.AA29750@umail.UMD.EDU>
<1991Jan2.052707.72@ux1.cso.uiuc.edu> <212@platypus.uofs.edu>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 9

In article <212@platypus.uofs.edu> bill@platypus.uofs.edu (Bill Gunshannon)
writes:
>Maybe this is another myth that should be put to rest once and for all.
>6 meters != TVI.
>bill   KB3YV

Shh, Bill, they'll start to believe you, and people will start getting
on six meters. Then where will we put all the 9600 bps intercity and
intracommunity packet channels?
     - Brian

From -4899430489023983748
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4b95bc5678e9cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 09:42:41 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!
cunews!dgbt!barry
From: barry@dgbt.doc.ca (Barry McLarnon DGBT/DIP)
Newsgroups: rec.ham-radio
Subject: Re: Confirmed SAREX QSO
Message-ID: <1991Jan2.153121.3696@dgbt.doc.ca>
Date: 2 Jan 91 15:31:21 GMT
References: <7412@sugar.hackercorp.com>
Organization: The Communications Research Centre, Ottawa, Canada
Lines: 23

From article <7412@sugar.hackercorp.com>, by garym@sugar.hackercorp.com (Gary
Morris):
> In article <1990Dec22.015315.24141@ims.alaska.edu>, ftpam1@acad3.alaska.edu
(MUNTS PHILLIP A) writes:
>>   Just out of morbid curiosity, what was the highest latitude that the
>> SAREX was worked from?
>>
> In the debriefing, Ron mentioned that he had a voice contact with a
> VE3? in extreme southern Ontario, Canada. The expected northern limit
> was 42 deg N latitude which just touches Ontario.

I dunno who that was, but I can tell you who it wasn't! :-(At slightly
above 45 deg N, SAREX was certainly a washout. After successfully QSO'ing
W5LFL, W0ORE, DP0SL, and U2MIR (very loose definition of "QSO" in the case
of DP0SL :-), this was a bitter pill to swallow.

```
Does anyone know whether the forthcoming STS-37 "all ham" mission will have
a more favorable inclination for us northerners?

Barry VE3JF

--
| Barry McLarnon     Communications Research Center, Ottawa, ON, Canada |
| Internet: barry@dgbt.doc.ca                                          |
| Packet BBS: VE3JF@VE3JF        AMPRnet: barry@bbs.ve3jf [44.135.96.6] |


From 7725429354998584688
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f7380efbbf22a4e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 10:19:30 PST
Path: gmdzi!unido!mcsun!uunet!sunriv!ronh
From: ronh@sunriv.UUCP (Ronnie Hughes)
Newsgroups: rec.ham-radio
Subject: Re: TS-440 automatic tuner experience?
Message-ID: <28@sunriv.UUCP>
Date: 2 Jan 91 16:40:43 GMT
References: <1990Dec31.191121.10075@infonode.ingr.com>
Reply-To: ronh@sunriv.UUCP (Ronnie Hughes)
Distribution: rec.ham-radio
Organization: SunRiver Corporation
Lines: 11

In article <1990Dec31.191121.10075@infonode.ingr.com> kurtz@infonode.ingr.com
(Terry Kurtz) writes:
>Has anyone had experience with the automatic antenna tuner(s) for the
>Kenwood TS-440? I have a Butternut HF6V and would like to hear if anyone
>has had good or bad experience with either the AT440 built in automatic
>tuner or the AT250 external tuner with this or other verticals.
>
>Terry Kurtz (waiting on Novice ticket and have already upgraded to General)
>uunet!ingr!kurtz

I use the 440's built-in tuner without problems on all bands (except 160)
with a 75 meter dipole and RG8.


From -3477302245156712782
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17e278fa2b084223
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 10:19:44 PST
Path: gmdzi!unido!mcsun!uunet!samsung!interlan.InterLan.COM!interlan.interlan.com!
yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: off the deep end
Message-ID: <YETSKO.91Jan2113840@interlan.interlan.com>
```

Date: 2 Jan 91 16:38:40 GMT
References: <25454@ucsd.Edu> <25463@ucsd.Edu>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 10
In-reply-to: brian@ucsd.Edu's message of 2 Jan 91 16:25:46 GMT

To be honest, I thought that you were one of the participants in the "protest" so to speak. However, in my posting, I may have replied toyou but never mentioned any calls or otherwise directed it specifically to you. If you took it that way, please consider this my appology.

As to the other assinine individuals who are turning in their VECs, no appology is offered in ANY shape for form! Good Riddence!

Mike Yetsko
N1DVJ

From 5772770417263859566
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4b95bc5678e9cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 10:33:57 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Confirmed SAREX QSO
Message-ID: <4513@lib.tmc.edu>
Date: 2 Jan 91 17:17:09 GMT
References: <7412@sugar.hackercorp.com> <1991Jan2.153121.3696@dgbt.doc.ca>
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 15
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <1991Jan2.153121.3696@dgbt.doc.ca> barry@dgbt.doc.ca (Barry McLarnon DGBT/DIP) writes:
>Does anyone know whether the forthcoming STS-37 "all ham" mission will have
>a more favorable inclination for us northerners?

Sorry, but STS-37 is another 28.5-degree mission.

Don't give up all hope, though...several astronauts are being recruited into the ranks as we speak, in the hope that future missions will carry amateur radio as well. No, I don't have any specifics, largely because nothing has even gotten to the proposal stage yet - but as more crewmembers become licensed, more opportunities will become available.
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
  "...flames are a specific art form of Usenet..." -- Gregory G. Woodbury

From 1156693006576461726
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4894f133cff41a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 10:34:22 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: RF and the outer limits...
Message-ID: <47671@apple.Apple.COM>
Date: 2 Jan 91 17:45:33 GMT
References: <9012311443.AA29811@hermes.intel.com>
<1990Dec31.180227.17457@bellcore.bellcore.com>
<1991Jan1.074440.13777@qualcomm.com>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 53

fpa@qualcomm.com (Franklin Antonio) writes:

>>rharel@fab8.intel.com (CAL-LAB (MS:JER2-85 TEL:7589)) writes:

>>>Ever wonder why after all the billions of dollars and countless man-hours
>>>spent on searching for extra-terrestrial RF signals that we've come up with
>>>NOTHING ! ?
>>
>My personal theory for why the SETI researchers have not detected alien
>RF transmissions is that the aliens are a few years ahead of us, and therefore
>are all using spread spectrum.

All true, except you are talking about evesdropping into existing QSOs. There is a possibility that some benevolent ETI community are sending out signals to catch the attention of others; like one-way CQs :-).

If this is so, they would want to transmit the simplest signal possible that looks artificial to the recipient. An unmodulated carrier.

In such a case, when they transmit in any given direction, they would also have to subtract the Doppler due to the orbit and spin of their planet.

This is already done at the receiving end of SETI equipment in the extremely narrow-band (e.g., META) searches. When the telescope is pointed in a given direction, the earth's spin and rotation around the sun is taken into account by appropriately slewing the LO as the object is tracked.

Not all SETI research is being done at such narrow bandwidths. META and son-of-META (the Argentinian search, whatever the name is) don't really have much choice, given the 80-odd foot antennas. The NASA searches have larger antennas to work with and can sustain larger bandwidths. This may be dated, but the JPL "sky survey," for example, were conducted at 32 Hz (sin(x)/x) "bandwidths" (should really be called "binwidths", but what the heck).

The sum total of the money used in SETI is not quite as bleak as you put it. It probably has barely reached the billion dollar point, if that. And, it is not *countless* hours of human effort, either. The hours are put in by only a handful of rather dedicated people. I doubt that there are more than a hundred or two professional researchers dedicated to SETI in the US and the Soviet Union combined. A drop in the bucket compared to a typical manned-mission at NASA, for example.

73,

Kok Chen, AA6TY kchen@apple.com
Apple Computer, Inc.

From -6619054745699797442
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4894f133cff41a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 10:38:26 PST
Path: gmdzi!unido!mcsun!uunet!spool2.mu.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: RF and the outer limits...
Message-ID: <1250318@hpnmdla.HP.COM>
Date: 2 Jan 91 18:38:26 GMT
References: <9012311443.AA29811@hermes.intel.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 14
Posted: Wed Jan 2 12:38:26 1991

In rec.ham-radio, fpa@qualcomm.com (Franklin Antonio) writes:

>... The Carl Sagan novel "Contact" has an alien
>civilization receive ordinary broadcast television signals radiated from
>Earth. The information bandwidth in such a signal means that the rcv antenna
>required at the alien planet few light-years away from earth would have to be
>bigger than a typical planet. Maybe possible, but not likely to be likely.

Actually, it's possible for an antenna to have an aperture ("capture area") much larger than the physical size. An example is small tuned loop antennas. Perhaps the little green men have figured out how to make a small antenna with a planet-sized aperture.

AL N1AL

From -1675808728144471268
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ce59d308e7daae0a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 10:39:42 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!UNCG.BITNET!MOSIER
From: MOSIER@UNCG.BITNET (Steve Mosier)
Newsgroups: rec.ham-radio
Subject: Re: off the deep end / a sad day
Message-ID: <DE47A0830E5F200C79@uncg.bitnet>
Date: 2 Jan 91 17:47:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25

> If this is a typical ham, I'm no longer proud to be one....

I couldn't agree more!

>> easier forthe minorities. in my profession, i
>> never had had much choice. follow the
>> dictates of the school board or find another
>> job. well, when it comes to signing my
>> name to a "no-code" amateur license, i do
>> have a choice. as of today, i am returning my arrl/vec
>> certificate to protest the decision of

But this does, in fact, solve a problem for everybody else.

>> to think that every pervert going down
>> the highway
>> may get the chance to take these things
>> away from me

I'm just glad this guy isn't teaching MY kids. The amount of energy it takes
to sustain anger like this really takes its toll. That's sad. I wonder where
else the anger pops out.

de W3GRG - steve

From -8652166478766024770
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e815f8d5dd6d7024
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 10:42:05 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: 3CX800 amp(s)
Message-ID: <1770@ke4zv.UUCP>
Date: 2 Jan 91 12:36:14 GMT

References: <9101011426.AA16935@ucsd.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 42

In article <9101011426.AA16935@ucsd.edu> MROWEN@STLAWU.BITNET (Michael Owen W9IP/2) writes:
>OK, all you vacuum-tube wizards. Here's a puzzler for you.
>Well, it's a puzzler for me, anyway:
>
>I want to build a couple of VHF power amplifiers using the
>3CX800 triode. This is no problem, since there are several
>designs published. But I would like to run them all from a common
>HV power supply. Is it OK to just connect each amplifier's B+, B-,
>and chassis grounds together? Actually, the real question is
>what will happen to cathode-current metering? I gotta admit, triodes
>in grounded-grid baffle me. Any help out there?

Well it's not clear if you want to run the amplifiers simultaneously or not. If you are only going to run them one at a time you can parallel the power supply connections, or better, you can switch the supply from one to the other. If you plan to have more than one amplifier active at the same time, then you must provide power supply decoupling for each amplifier to prevent RF from one getting into the other. This would be in the form of chokes and bypass caps mounted on each amplifier chassis. To meter cathode current, you will need a cathode resistor in each amplifier bridged with it's own metering circuit rather than a single meter in the power supply across a common cathode resistor.

>Along a similar line, can you think of any way in the world to
>also run a grounded-cathode tetrode (ie 4CX250 or 4CX1000) from the
>same HV supply as the triodes, at the same time? I don't think it's
>possible, but I could be wrong. (where will the B- be, at chassis or
>floating?)

Again you must use power supply decoupling to prevent RF feedback. The B- will be commoned to chassis. For cathode metering of the triode, you must supply a cathode resistor bridged by the metering circuit. The two stages may be link coupled or a series resonant input circuit may be used for the triode. You will need a screen supply for the tetrode. You may derive this from HV with a suitable regulator circuit or use a separate supply. The separate screen supply has the advantage of allowing you to switch the amplifier on and off with the screen supply for TR purposes. You will also need a control grid bias supply. That should be separate.

A few safety notes. If your cathode resistor fails, the metering circuits can become hot with HV. Mount them appropriately. Never operate a tetrode with screen voltage and no plate voltage or bye bye screen grid. Arrange your circuitry so that turning off the HV also turns off the screen supply. There is still a danger to the tetrode if you use a fuse in the HV. Consider a sense circuit

that interlocks HV with the screen supply. Your control grid and
screen supplies should be very stiff. There should be no change
in voltage with drive level.

Gary KE4ZV

From -2312895115179878684
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,825b36de01a4324b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 10:42:38 PST
Path: gmdzi!unido!mcsun!uunet!olivea!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: FOR SALE: Shure 444D and Hustler 4-BTV
Message-ID: <1250319@hpnmdla.HP.COM>
Date: 2 Jan 91 18:42:38 GMT
References: <9012311632.AA08181@ucsd.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 3

Should be in rec.ham_radio.swap

AL N1AL

From 4845695361954883559
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7dfd951ad2d444e1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 10:54:27 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!NADC.NADC.NAVY.MIL!rachiele
From: rachiele@NADC.NADC.NAVY.MIL
Newsgroups: rec.ham-radio
Subject: RE: CB question
Message-ID: <9101021816.AA09052@next0.looney>
Date: 2 Jan 91 18:16:39 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10

What you suggest about a piece of sheet metal will work. I've seen
it in practice, on 2 meters, with a mobile mag-mount antenna on a
2X2 piece of sheet metal. It will work somewhat, but the suggestions
already posted to the net will most likely work better. Better yet
would be to purchase a radio shlack 5/8 wave vertical, which is
made to be mast-mounted, and keep the mag mount on your car.
In any case, I would suggest you get yourself a cheap SWR meter
before you do any experimentation.

Jim, NE3X

From 1746010189281467930
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 11:40:32 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Message-ID: <637@chiton.ucsd.edu>
Date: 2 Jan 91 18:12:48 GMT
References: <18323@shlump.nac.dec.com> <708@ssc.UUCP>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 15

In article <708@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>
>I thought this was the Amateur RADIO Service!
>
Not if the computer dweebs have their way Tad. As the spectrum fills up with
hackers avoiding phone charges for their bbs's there will be pressure to expand
deeper into the CW bands on RF and to push CW out entirely. After CW goes...

Can you say sayonara ARS?

AA6PN
--
richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From 5131768165813751594
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1d80f72f3490c1c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 11:58:07 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!masscomp!ocpt!tsdiag!
davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: A few new questions
Message-ID: <1300@tsdiag.ccur.com>
Date: 2 Jan 91 18:46:48 GMT
References: <53@bootsie.UUCP>
Organization: Concurrent Computer Corp. Oceanport NJ
Lines: 57

In article <53@bootsie.UUCP> olson@endor.harvard.edu (Eric Olson) writes:

-Hi again! Happy newt ears, everybody!
-
-I have a few questions, after some sleepless nights trying to read
-the entire ARRL Handbook...
-
-1. Is it legal to communicate via repeater in a band for which you are
-    not licensed? The specific example that I suspect will become a common
-    question is 2m->10m repeaters.

Yes. You may transmit in any band you are authorized, and if some other ham decides to re-transmit your signal for you, that's no concern of yours. You may want to indicate that you're using a crossband repeater, though, in case someone asks why you're on 10m FM as a novice/tech.
-
-2. Can I sign up to take the Tech class _with_ code, fail the code, and get
-    a no-code tech license?

As far as I know, unless they specifically mention this in the new VE rules.
-
-3. I'm confused about whether a repeater and/or phone patch can be run
-    without local direct control operator supervision. Are all those
-    repeaters out there really babysat all the time they're in use?
-    What about digipeaters and other packet radio stations?

Digipeaters are different beasts than voice repeaters. The part 97 rewrite has better wording with respect to what is and isn't OK w/ digi's. My local repeater is babysat, but many aren't. Part 97.85(a)-(i) deal with repeaters, and it seems that it would be ok, but I'd rather err on the side of safety.
-
-4. Is it legal to make a repeater that changes its output frequency
-    via DTMF signals (and appropriate security codes a la phone patch)?

I suppose so, as long as you forced it to ID before QSYing. Also, watch out for stomping on other repeaters - mustn't QRM others!
-
-5. Anybody know of dialup BBS's about Ham Radio in the Boston Area?

Sorry, I don't.
-
-6. Would a 100W 10m Transmitter to an antenna, say, 100 feet away, damage
-    one of those full-coverage scanners? Would a 1KW Transmitter? 2m?
-    It just seems like that would generate a lot of energy at the antenna
-    of the scanner-- how much is too much?

I wouldn't key it up if the scanner is on the same freq - but I don't think it'd damage it. 100W would _probably_ be ok, 1KW, ah, nah. You might want to try starting out low in power, looking for receiver desense in the scanner. Increase power until you notice degraded receiver performance. Stop there. You could put a stub on the receive antenna line tuned for the 10m area you work most often.
-
--
David E. Tiller   davet@tsdiag.ccur.com | Concurrent Computer Corp.

```
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z


From -5127228575375180675
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a37bd3ac8f34d75c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 12:00:47 PST
Path: gmdzi!unido!mcsun!uunet!samsung!news.cs.indiana.edu!ariel.unm.edu!nmsu!opus!
owhite
From: owhite@nmsu.edu (smouldering dog)
Newsgroups: rec.ham-radio
Subject: weather satellite questions
Message-ID: <OWHITE.91Jan2115333@haywire.nmsu.edu>
Date: 2 Jan 91 18:53:33 GMT
Sender: news@NMSU.Edu
Distribution: rec.ham-radio
Organization: Computing Research Lab
Lines: 11

I am building a digital imagery station for APT weather data and I
would like to know what I should use for the 2400 Hz AM demodulator.
the ARRL handbook doesn't appear to have much information on this
stage of data receiving.
--

     owen white         (owhite@nmsu.edu)

-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-*-=-=-*-=-
               got my head on a pole (for better reception)
-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-=-*-=-*-=-=-*-=-


From -6216021847154370586
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 12:05:38 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Message-ID: <25476@ucsd.Edu>
Date: 2 Jan 91 19:17:21 GMT
References: <18323@shlump.nac.dec.com> <708@ssc.UUCP> <637@chiton.ucsd.edu>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 13

In article <637@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
>Not if the computer dweebs have their way Tad. As the spectrum fills up with
>hackers avoiding phone charges for their bbs's there will be pressure to expand
```

>deeper into the CW bands on RF and to push CW out entirely. After CW goes...
>
>Can you say sayonara ARS?
>
>   AA6PN

Hey, Dick, that's a good idea! Who wants to file the first petition to
open up the formerly-CW-only bands to ALL digital modes of transmission,
not just one obsolete kind.
     - Brian

From -4470114189613083728
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 12:10:27 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Rumors of ARRL appeal on No-Code
Message-ID: <911.2781E961@w8grt.fidonet.org>
Date: 2 Jan 91 19:21:17 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 39

 > From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
 > Date: 2 Jan 91 05:27:07 GMT
 > Organization: University of Illinois at Urbana
 > Message-ID: <1991Jan2.052707.72@ux1.cso.uiuc.edu>
 > Newsgroups: rec.ham-radio
 >
 > >recruting/PR effort. VE's turning in their accredidation over disagreement
 > >with the new license will not achieve this goal.
 >
 > This is a very important point.

No, the dog is supposed to wag the tail, not vice versa.

 > To expect to jump start the higher bands like 33cm and on up with just
 > the newcomers is assinine and DANGEROUS to amateur radio. Doing that
 > would hasten the loss of those bands due to the lack of operators who
 > are in contact with the rest of amateur radio.

Amen!

 > >As was stated previously, the stream of comments coming in to League
 > >officials on the issue have been split 50/50.

I doubt that.

 > >Sorry this post is so long, but I had to get in all the information.

> Please
> >don't flame/write me, flame/write the ARRL.
>
> I'll write and post, ok?

Don't expect an answer. On my letter, the ARRL is the ONLY one who did not
respond. Of course, those who agree with them may have better luck than I did.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -2183643686427113111
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17e278fa2b084223
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 12:10:30 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: off the deep end
Message-ID: <912.2781E968@w8grt.fidonet.org>
Date: 2 Jan 91 19:21:24 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 17

> From: brian@ucsd.Edu (Brian Kantor)
> Date: 2 Jan 91 05:58:03 GMT
> Organization: The Avant-Garde of the Now, Ltd.
> Message-ID: <25454@ucsd.Edu>
> Newsgroups: rec.ham-radio
>
> If this is a typical ham, I'm no longer proud to be one....

Look at it this way. It is probably a good thing we're getting rid of him as a
VE. Old military rule of thumb: If the grunts don't like the strategy, get
smarter grunts.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 945695597019335856
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6cbd01e133c635a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 12:15:20 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!masscomp!ocpt!tsdiag!

```
davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: The comming no-code newbies... What has the FCC done to us this time?
Message-ID: <1301@tsdiag.ccur.com>
Date: 2 Jan 91 19:01:56 GMT
References: <1990Dec31.063057.23062@news.arc.nasa.gov> <54@bootsie.UUCP>
<56@bootsie.UUCP>
Organization: Concurrent Computer Corp. Oceanport NJ
Lines: 16

In article <56@bootsie.UUCP> olson@bootsie.UUCP (Eric Olson) writes:
-I got real curious about this, since I got mixed replies.  So I called
-the ARRL, and Tom Hogerty, KC1J, kindly informed me that the general
-rule is that you _may_ operate a repeater that outputs on frequencies
-for which you are not licensed (he mentioned something I did not fully
-understand about not being allowed to _change_ the repeater output to
-a band for which you aren't licensed, which makes sense, but specifically
-said that if the repeater is already set up, it's OK).

Makes sense to me - changing the output freq would make you the control op
of a station in a band that you're not authorized to operate (or control) in.
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z


From 8195266598912600304
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 12:20:43 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!ucsd!ucbvax!hplabs!hpfcso!
vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Message-ID: <7500075@hpfcso.HP.COM>
Date: 2 Jan 91 20:20:43 GMT
References: <798.2770B774@w8grt.fidonet.org>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 21


> Sorry, but I don't understand your point. Are you suggesting that we should
> continue to require this code speed in amateur radio so Navy recruiters
> will have an easier job?  If THEY need 17-25 wpm, let them provide the
> training;  we are not their farm team.
>
>
> --------------------------
```

> Peter B. Hayward   WX9T
> University of Chicago Computing Organizations
> ----------

But we are. One of the main listed reasons that the Government puts up
with hams is to provide a reservoir of trained radio operators. Granted
that this is normally in emergency conditions. If we can help out the
Navy recruiters a little now - that's great.

We've got to keep intact the few legitimate reasons for Amateur Radios
existence.

Bill - WA7NWP

From 7783313413608075388
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 12:36:59 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!mips!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: Rumors of ARRL appeal on No-Code
Message-ID: <3082@wyse.wyse.com>
Date: 2 Jan 91 19:30:54 GMT
References: <886.277E1926@w8grt.fidonet.org>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 21

In article <886.277E1926@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim
Grubs) writes:
> > Much has been said, mostly rumor, in this newsgroup about the ARRL's
> > possible reaction to the recent FCC decision in PR Docket 90-55,
>
>What "rumor"? Price was quoted in a W1AW bulletin as considering filing a
>Petition for Reconsideration.
>
>--
>Jim Grubs - via the friendly folks at UUNET

Yes, but you have to read the rest of the announcement to understand
what they are doing...just what the Paul said...looking for input from
the membership to determine whether such action is required...the
announcment doesn't say that such action is positively forth-coming.

Since the ruling doesn't match what the league actually requested they
are asking the membership whether it is acceptable or not...Isn't this
how they should react?

Steve Wilson KA6S

SCV Section Manager

From -4413320681379026684
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,80d9159f75a94219,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 13:17:07 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!bronze!silver!daemon
From: daemon@silver.ucs.indiana.edu (Mr Background)
Newsgroups: rec.ham-radio
Subject: Re: what does a Gunnplexer cost?
Message-ID: <1991Jan2.201616.27154@bronze.ucs.indiana.edu>
Date: 2 Jan 91 20:16:16 GMT
Sender: news@bronze.ucs.indiana.edu (USENET News System)
Organization: Indiana University
Lines: 23

owhite@nmsu.edu (owen white) writes:
>I am beginning some entry-level Gunnplexer communications and I am
>curious how much one of these devices costs...nothing specific, is it
>$50 or $500? additionally, if anyone could direct me to a supplier
>that would be helpful...

SHF Microwave Parts Company
7102 W. 500 S.
LaPorte, Indiana 46350

This is a source of Solfan, MA-Com and other brands of X-band Gunn-diode oscillators and detectors, useful for communications, motion sensing, doppler radar, and testing radar detectors. ;-)   The devices are tuneable into the 10 GHz ham band. Prices start at $15. A book of plans is also available. Send SASE for brochure.

WB6IGP has written several good articles in _73_ magazine on how to use such devices for ham radio. See January 1987, October 1987, January 1989. See also _Ham Radio_, December 1989.

--

Frank Reid   W9MKV   reid@ucs.indiana.edu

From 2373122990916874020
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a37bd3ac8f34d75c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1991-01-02 13:40:26 PST
Path: gmdzi!unido!mcsun!uunet!samsung!interlan.InterLan.COM!interlan.interlan.com!yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio

Subject: Re: weather satellite questions
Message-ID: <YETSKO.91Jan2150309@interlan.interlan.com>
Date: 2 Jan 91 20:03:09 GMT
References: <OWHITE.91Jan2115333@haywire.nmsu.edu>
Reply-To: yetsko@interlan.interlan.com
Distribution: rec.ham-radio
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 13
In-reply-to: owhite@nmsu.edu's message of 2 Jan 91 18:53:33 GMT

Well, you could just full wave rectify it, then just measure amplitude.
You could also get tricky, and run a VFO at a multiple of the frequency,
use a divider to devide down and PLL to lock to the tone, then use one of
the multiples to trigger an interrupt to trigger A/D to measure signal level
at that point. There are a lot of tricks to use, but once you get the
2400 (or 2500 hz tone from the russian birds) my understanding is you
just measure the level of the signal.

You might want to pick up a copy of the "Weather Satellite Handbook" or
"The Satellite Experimentors Handbook" for some hints.

Mike Yetsko
N1DVJ

From -5956620540828127673
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,45debad4f29b5336,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,45debad4f29b5336,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-26 18:52:31 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!rutgers!kb2ear!n2aam
From: n2aam@kb2ear.UUCP (Dave Marthouse N2AAM)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: UOSAT-14 information request
Message-ID: <756@kb2ear.UUCP>
Date: 26 Dec 90 23:59:11 GMT
Organization: KB2EAR Public Access UN*X, Kendall Park NJ
Lines: 26
Xref: gmdzi rec.ham-radio:18460 rec.ham-radio.packet:3294

I am interested in information on communicating with uo-14. I know that this

satellite was just opened for amateur use. The baudrate is 9600bps. I would

like to know the modulation used and information on the correct modem. What

type of software should be used when exchanging data with the bird? Must

one use ssb for the downlink as on the microsats? I would in addition like to know if the new DSP devices will be able to handle the uosat modem

standard

? Any other information as well would be appreciated.

Dave Marthouse

kb2ear!n2aam@princeton.edu

Fido dave marthouse 1:107/323

packet n2aam @ w2odv-4

```
From 3142576797117356127
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0c54d597d79c632
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-26 18:53:49 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: Codeless Tech License
Message-ID: <1990Dec27.001235.2549@athena.cs.uga.edu>
Date: 27 Dec 90 00:12:35 GMT
References: <785.276F70E6@w8grt.fidonet.org>
<1990Dec20.040518.28528@athena.cs.uga.edu> <9748@b11.ingr.com>
Organization: University of Georgia, Athens
Lines: 38
```

In article <9748@b11.ingr.com> herbster@b11.ingr.com (Joe Herbster) writes:

>
> Gripe whine moan, and now that you get what you whined for, gripe
> moan and slam the opposition. Please explain to me how you KNOW
> that this "great influx of super-techies" is sure to happen?

I didn't say it was sure to happen; I said some hams are afraid of it.

> The
> way I see it, passing the novice and tech written exams to get
> on the air is EASIER than it used to be.

The codeless Tech is an entry-level license and should be compared to Novice, not to Tech-with-code. It is easier in terms of drudgework, but not in terms of degree of understanding of radio required.

> Please explain to me why the no-code license is going to cause a
> big increase in super-techie types when the test is not super-techie?

Because the attitude among many RF professionals is that the old ham requirements, with heavy emphasis on code, are simply outdated and antiquarian. There have been messages on this newsgroup, from people who ought to know, saying that there is considerable interest in the new license among EE faculty and other such people.

> OLDE-PHARTE NOT IN THE LEAST AFFRAID OF YOUR "influx of sophisticated
> technical people" CUZ I'LL BELEIVE IT WHEN I SEE IT AND I'LL GET OFF
> MY SOAP-BOX WHEN YOU QUIT YOUR PATHETIC WHINING AND UNFOUNDED
> SPECULATION- Herbi (not of 14.313 fame) back to my DSP code, KM4JN

Why is any opinion you disagree with "pathetic whining"?

Anyhow, you're refuting things that I didn't say. I would *support* a general toughening of the theory exams, and the only reason I consider the codeless Tech exams acceptable is that, being entry-level, this license is intended to compare with Novice rather than Tech-with-code.

73 de N4TMI (Advanced Class)

From 7338944573802176894
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5c5b55c2caa4a145,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,5c5b55c2caa4a145,start
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-26 18:57:02 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio,news.groups
Subject: rec.ham-radio reorganization: OK, how about .policy?
Message-ID: <4501@lib.tmc.edu>
Date: 27 Dec 90 00:00:41 GMT
Sender: usenet@lib.tmc.edu
Followup-To: rec.ham-radio
Organization: University of Texas Medical School at Houston
Lines: 21
Xref: gmdzi rec.ham-radio:18463 news.groups:23912
Nntp-Posting-Host: thesis1.hsch.utexas.edu
Originator: jmaynard@thesis1.hsch.utexas.edu

(My newsfeed here is getting decidedly erratic...Please e-mail comments to me as well as posting them.)

There has been a lot of controversy surrounding the .legal group portion of this proposal. Many posters have had problems with the name, on several grounds. I asked for a better suggestion, and Bill Davidsen (I think...please correct me if I'm wrong) suggested .policy. I've given it a lot of thought, and have decided it's a reasonable suggestion. I haven't seen any comment one way or the other, so I'm asking: Is this a better idea than .legal for a group concerned with the endless legalities and such of ham radio?

While I'm here, I'll add that I'm going to extend the discussion period a week, until January 7, both so we can resolve this issue before we go to a vote and to make sure everyone has an opportunity to comment regardless of the holidays. I've spoken via E-mail with Ekiot Lear, and he sees no problem with that.
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
  "...flames are a specific art form of Usenet..." -- Gregory G. Woodbury

From 6767599345237484858
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,515303ac6dadd79e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-26 19:02:12 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: An Outside Viewpoint
Message-ID: <0LeTu1w163w@phoenix.com>
Date: 27 Dec 90 01:42:56 GMT
References: <1703@ke4zv.UUCP>
Organization: One Man Brand
Lines: 13

gary@ke4zv.UUCP (Gary Coffman) writes:

> We don't have good evidence that a large segment
> of the population doesn't find the code HARD to learn. We are now embarking
> on an experiment that will let us find out for sure. If our ranks don't
> swell with the new no code techs, then, at least we'll know for sure
> that they weren't being kept out by the code being hard for them to learn.

We have to be careful to not make the opposite assumption -- that if the ranks DO swell that they WERE kept out by the code. The swell may be due to increased advertising, or due to people who never even tried the code and don't know if they would have had trouble or not.

From -7367612043215031850
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-26 20:13:58 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!think.com!linus!philabs!ttidca!sorgatz
From: sorgatz@ttidca.TTI.COM (Avatar)
Newsgroups: rec.ham-radio
Subject: 5 WPM == ITU requirement

Keywords: ITU CW reqmts, Elements 1b & 1c, the CW mentality
Message-ID: <22157@ttidca.TTI.COM>
Date: 26 Dec 90 18:32:35 GMT
References: <25077@ucsd.Edu> <58130008@hpcupt1.cup.hp.com>
Organization: Citicorp/TTI, Santa Monica
Lines: 56
Summary:Drop Elements 1b & 1c!

In article <58130008@hpcupt1.cup.hp.com> holly@hpcupt1.cup.hp.com (Jim Hollenback) writes:

```
+I always find it interesting that it is the long-term Technicians that
                             ---------------------
+propose the two level or classes license structure.  I wonder want the
+real motivation is to propose the present Techs should be grandfathered
+to full HF priviledges.  I feel it more they want the full HF priviledges
+and don't want to learn the code.  Actually there is more to learning
     ----------------------------
+the code on upgrading.  It also is learning the answers to more theroy
+questions.  Otherwise there would be few if any General class license
+holders.
```

Your errors in sentence structure and spelling notwithstanding, the real reason lies in the perception that there is little if any difference between the Tech (element 3, pre-Novice Enhancement) and General class licensee.

We already learned the code, and demonstrated that skill at 5 WPM.

In fact, some of us have technical skills that far surpass those of our brethern with General tickets; the reason? While the Generals have been busy blasting away at 14.313, the Techs have been building antennas for OSCAR, amps for 1.2 GHz, linked microwave systems at 10 GHz and playing with the packet and DSP techniques...done any of that stuff??!!

```
+
+Most countries that have fewer classes than the US still have some
+minimal requirement for minimal priviledges, and a full priviledge
+class for a more difficult exam along with a no-code license.  This is
+a more reasonable proposal.
+
+Jim, WA6SDM
+jholly@hpcupt1.cup.hp.com
```

Most countries are not AMERICA! I would suggest you go have a look and see how many jobs are available for buggy-whip makers and then get grip on reality! This nonsense about CW has just about run it's course, most hams are beginning to understand that the FCC isn't going to play the "good-ole-boy" games that the OF's in the ARRL have been whimpering about for the last 40 years. It's not 1955 anymore, in case you haven't noticed!

A two-tier license structure, or whatever. Just so long as the CW test is kicked back to 5 WPM. There's really no reason whatsoever for anything faster in terms of the ITU regs, or the skill level of the operator.

If you could explain ONE real reason why that 13 WPM/Element 1b makes a ham any better, I'd love to hear it! To my way of thinking, it's just another stumbling block - another way of keeping the inner-sanctum of HF from people that would be interested in it bringing technical growth to it! (no :-)'s here...I'm very serious about this.)

```
-Avatar-> (aka: Erik K. Sorgatz) KB6LUY           +-------------------------+
Citicorp(+)TTI                          *----------> panic trap; type = N+1 *
3100 Ocean Park Blvd. Santa Monica, CA  90405     +-------------------------+
{csun,philabs,psivax,pyramid,quad1,rdlvax,retix}!ttidca!sorgatz **
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR ITS MANAGEMENT!)
```

From -4610895939506705733
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-26 22:11:39 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: No-code Technicians
Message-ID: <4502@lib.tmc.edu>
Date: 27 Dec 90 05:11:01 GMT
References: <58130008@hpcupt1.cup.hp.com> <25212@ucsd.Edu> <5411@rsiatl.Dixie.Com>
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 20
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <5411@rsiatl.Dixie.Com> jgd@Dixie.Com (John G. DeArmond) writes:
>I guess the best part about all this noise about no-code licenses is that
>it does not matter. WE won, you lost and I'm going to savor the victory
>for some time to come. That is until I get motivated to start working
>for the total elimination of CW as a license requirement.

Excuse me while I get an airsickness bag from my flight kit.

OK...that's better.

John, that paragraph would have sounded more typical coming from a four-year-old on a swingset. I expected better from you.

How long will it be before all the no-code licensees save ham radio?

Personally, I think the number is measured in centuries...

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu  | adequately be explained by stupidity.
  "...flames are a specific art form of Usenet..." -- Gregory G. Woodbury
```

```
From -1000512029526922954
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c9285f150c321a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-26 22:42:47 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!rpi!uupsi!
stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: Thanks for the traffic...and now something really important :-)
Message-ID: <PRNTu3w163w@phoenix.com>
Date: 27 Dec 90 05:00:36 GMT
References: <1990Dec24.043350.9840@athena.cs.uga.edu>
Organization: One Man Brand
Lines: 16
```

mcovingt@athena.cs.uga.edu (Michael A. Covington) writes:

> In article <108@w3vh.UUCP> rolfe@w3vh.UUCP (Rolfe Tessem) writes:
> >

And now, since the no-code question has been beaten to death, let's all start a spelling flame war. We can all pick apart every message with any spelling or grammer errors, and argue endlessly about "which" and "who" and "lose" and "loose", and "its" versus "it's".

This is heavy sarcasm, in case you didn't notice. Many of the people who post to USEnet do not speak English as a first language, and some seem to be struggling mightily with it at all. I have seen posts where it took considerable effort to decipher the meaning of a request, but nobody popped in with grammer lessons. Until rec.ham-radio.

```
From -1107514576448479530
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c9285f150c321a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-26 23:21:43 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: Thanks for the traffic...and now something really important :-)
Message-ID: <1990Dec27.063028.5393@athena.cs.uga.edu>
Date: 27 Dec 90 06:30:28 GMT
References: <1990Dec24.043350.9840@athena.cs.uga.edu> <PRNTu3w163w@phoenix.com>
Organization: University of Georgia, Athens
Lines: 5
```

Apologies to anyone if it seemed that I was starting a "spelling flame war." I did not originally criticize anyone's spelling or usage. I got involved when someone else posted rules of grammar that were incorrect. I realized

this was off topic and was posting messages only to correct actual
misstatements of fact in my professional specialty (English syntax).

From -6972174334784153428
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e6d927ff5d38c060,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-26 23:35:05 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!lavaca.uh.edu!
menudo.uh.edu!lobster!urchin!f8324.n106.z1.fidonet.org!Christopher.Boone
From: Christopher.Boone@f8324.n106.z1.fidonet.org (Christopher Boone)
Newsgroups: rec.ham-radio
Subject: CODE on the "HF" CB band!
Message-ID: <4701.2779BEDE@urchin.fidonet.org>
Date: 27 Dec 90 07:35:05 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8324 - Far Point Relay Ham, Katy Tx
Lines: 22

There was discussion some time ago on this subject and someone siad they ahd
never heard CW between 27 and 28Mhz....Well Christmas day while mobiling to my
mom's, I was tuning the Kenwood 680 across the HF "Freeband" area to see what
was there and lo and behold about 27.425 I heard a CW QSO between a guy in
Haiti and a guy in the states!!!!...BOTH running CW!!! and good fists too!
The guy in haiti was 24, name Rick...and his rig was a 553 (whatever that
is!)..he had to sign because of TVI (dont you love it!)...I couldnt quite pull
the guy in the states out of the noise but he was there somewhere along the
mid coast...i did heard him ask Rick if he would be on 10mtrs later?????
Hmmmmm Guess there IS CW being used outside the ham bands after all.....
(and the guys evidently were hams anyway!)
I kinda got interested in seeing what 10mtrs was like after hearing that and
going into the Novice band work N1CAJ on 10cw while MOBILE using the mic PTT
on my 680 and the rig in FULL cw bk-in...no cw key plugged in and NO sidetone
either!! It was easy but Frank and I had a great QSO for about 30 minutes or
so....Gee I kinda misssed that fun on 10m...maybe it time to get the knee key
out again!
See ya on 10mtr CW???

73
Chris
WB5ITT

From 9063827250622483963
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1cf0d13b8a6feb28,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-26 23:51:42 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!mips!
pacbell.com!ucsd!nosc!crash!orbit!pnet51!hca
From: hca@pnet51.orb.mn.org (H. Atlas)
Newsgroups: rec.ham-radio

Subject: MARS
Message-ID: <3704@orbit.cts.com>
Date: 27 Dec 90 05:05:24 GMT
Sender: root@orbit.cts.com
Organization: People-Net [pnet51], Minneapolis, MN.
Lines: 5

Anyone ACTIVE in MARS please contact me via mail. Thank you!

UUCP: {amdahl!bungia, crash}!orbit!pnet51!hca
ARPA: crash!orbit!pnet51!hca@nosc.mil
INET: hca@pnet51.orb.mn.org

From -5620282958984422701
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ff7ce9f32d1c8ccf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-27 06:56:36 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Orthographic Ineptitude
Message-ID: <9012271418.AA20312@cmr.ncsl.nist.gov>
Date: 27 Dec 90 14:18:40 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
     formerly National Bureau of Standards
Lines: 6

Spelling has never been my strong point. I try to use correct syntax and grammar. I welcome ANY effort by non-native English speakers. However, I note that it is the native-born Americans who seem to favor us most with the consistent use of "there" instead of "their", "liscense", "real" where "really" is called for, etc, etc.
I feel better already.......   Bob   W3OTC

From 4541055900936942923
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c9285f150c321a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-27 07:32:37 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!mips!pacbell.com!ucsd!
brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Thanks for the traffic...and now something really important :-)
Message-ID: <25337@ucsd.Edu>
Date: 27 Dec 90 15:22:48 GMT
References: <1990Dec24.043350.9840@athena.cs.uga.edu> <PRNTu3w163w@phoenix.com>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 36

When I'm struck by the poor English in an article on the net, I usually look up to the headers to see if the posting* originated from a non-English speaking country, or someone whose name might indicate that English is not his native language. If would seem so, I merely feel sympathy for someone who has had to learn one of the most difficult languages in existence, and try my best to understand what he meant.

But when the posting originates from someone with a typically english-speaker's name and from somewhere that you could reasonably expect to have literate people, I can only assume that the same haste was used to form the thoughts and opinions as to compose the message. How much weight should I give such apparently half-baked ideas?

It is a regrettable truth that your ability to communicate your ideas clearly will greatly affect the influence they have on other people. If you can't communicate them, the most brilliant thoughts are of no value.

Furthermore, incorrect spelling reduces communication. Indeed, the person who suspects he has spelled a word incorrectly and marks it with (?sp) has thus indicated that he's not sure of the spelling, but he's also implied that you, the reader, aren't worth his time or effort to go and look up the correct form. How is a one to grade the ideas in a posting which implies such contempt for the reader?

Thus I would urge people who wish to have their ideas carefully considered by their readers to make the effort to ensure that their posting is clear, understandable, logical, spelled properly, and reasonably grammatically correct. This is an informal medium, and thus formal language is not required, but if you want to get your ideas across and make your point, you have to make the effort.

Sloppy writing indicates sloppy thinking.
     - Brian

*not "post" - a post is a wooden or metal object used to support things.

From -8714248988181658866
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,110154e832b623dc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-27 08:45:16 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: codeless license
Message-ID: <9012271609.AA12564@tilde>
Date: 27 Dec 90 16:09:58 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 43

In <mcovingt@athena.cs.uga.edu (Michael A. Covington)> Mike writes:

>In article <9012192258.AA00358@tilde> dube@cpdvax.csc.ti.com writes:
>>
>>I'm still skeptical. Suppose there is a big hue and cry to eliminate the
>>theory exams? (to get more people into Amateur Radio, of course)
>>CB-ification will have been achieved. Can't happen, you say? Well, they
>>said a No-Code Ham license would never happen several years ago. Never say
>>Never.
>>
>You have to remember that the no-code license was the FCC's idea and the
>FCC was definitely not catering to outlaw CBers or slackers. The FCC
>was trying to deal with the fact that nowadays, our best electronics talent
>is not being attracted into ham radio.

It wouldn't be "remembering", it would be news to me.
(a) non-hams have been trying for decades to get the CW requirement eliminated.
(b) The FCC recognizes Amateur Radio as a hobby, not an FCC organization. I
don't think they care a hoot about what kind of "talent" goes into the hobby,
so long as the "talent" obeys their rules.

>People forget where the no-code proposal came from. The FCC has been
>talking about it since 1940 and, until now, had been shouted down by
>the ham community every time.

I don't know about 1940, but I do seem to remember in 1955 there was some
noise from wannabe-hams demanding that the FCC drop the code requirements.
the response by the FCC was to open the 11-meter band (in 1958, I think) to
a no-code license category.

You are correct, however, in noting that the Ham community opposed lowering the
entry requirements. It opposed the simplification of the theory exams. It
opposed the elimination of one of the entry requirements (CW). It will
continue to oppose these until those in the hobby who feel differently become
the majority. I believe that, in the next year, there will be a "new majority"
because of the recent rules change. As has been said here before, it's a new
hobby and we will have to adjust to it; but some of us reserve the right to
say "I told you so".

73
Dube   N5PDK

"Why waste time learning, when ignorance is instantaneous?"   -Hobbes

From -4905393971849437597
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e90a204e676848e8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,e90a204e676848e8,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,e90a204e676848e8,start

X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-27 09:55:33 PST
Path: gmdzi!unido!mcsun!uunet!sbi!zeus!newt!jl
From: jl@newt.sbi.com (Jean-Louis Ecochard)
Newsgroups: rec.radio.shortwave,rec.ham-radio,rec.ham-radio.packet
Subject: PK232 RTTY signal out of 90 degree phase
Message-ID: <408@newt.sbi.com>
Date: 27 Dec 90 16:47:23 GMT
Followup-To: rec.radio.shortwave
Organization: Systems Integration - Salomon Brothers, NY
Lines: 28
Xref: gmdzi rec.radio.shortwave:3235 rec.ham-radio:18474 rec.ham-radio.packet:3297

I measured the Mark/Space output of my PK232 in RTTY mode using a scope and with the PK232 in loop back mode as described in the PK232 manual (green and white wires connected on the Radio output cable). I started transmitting using this setup in RTTY mode. The characters typed were received OK but when I monitored the Mark/Space scope output on the PK232, instead of the correct cross pattern on the scope I got a signal slightly out of 90 degrees phase:

```
        ^                  ^
     __| |__                 _\ \__
    <__| |__>               <__\ \_>
       | |                      \ \
        V                     V

    Correct Mark/Space           Measured Mark/Space
    RTTY signal pattern          RTTY signal pattern
```

Does anyone know how to adjust the PK232 so that the Mark and Space signals be correctly at 90 degrees off phase ?

In addition, can anyone e-mail me the description of the modifications to the PK232 in order to minimise RFI pick-up. Any other mods will be apreciated as well.

```
--
Jean-Louis Ecochard                 O
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~./_\.~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
                                 (__Y__)                uunet!sbi!chi!jl
```

From 8812414240346061850
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,652a5132a0b56e7a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,652a5132a0b56e7a
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-27 10:06:06 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio,rec.ham-radio.packet

Subject: Re: Equipment ideas for the Microsats
Message-ID: <1722@ke4zv.UUCP>
Date: 27 Dec 90 13:09:34 GMT
References: <695@sousa.enet.dec.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Followup-To: rec.ham-radio
Organization: Gannett Technologies Group
Lines: 71
Xref: gmdzi rec.ham-radio:18475 rec.ham-radio.packet:3298

In article <695@sousa.enet.dec.com> hicks@nikkor.enet.dec.com (Chas Hicks) writes:

>
>I've recently been bit by satellite QSO's and have been working CW via
>RS-10 and have been following the DOVE telemetry. I would now like to
>proceed to full use of the Microsats. I have just sent for my AMSAT
>membership and am awaiting books, etc that are on order.
>
>I currently own an HF rig, a 2mFM rig and a TNC. I understand that I
>need 70 cm recieving capability and a PSK modem to copy the downlink of
>the packet data. My questions related to this are:
>
>1. Do you have any first-hand experience with the recieving converters
>   that take 435 down to 10m? I have seen adds for Hamtronics but would
>   appreciate any feedback on any you are aware of and/or have
>   experience with. Obviously, my preference would be an all-mode
>   UHF rig, but with the rest of the equipment I'm gonna have
>   to buy, I'd like to get by for a little less for now and add that
>   later.

I built one of the Hamtronics converters. Getting the local oscillator stablized so that it would start reliably and still get a clean waveform was a bear. If I hadn't had a spectrum analyser handy, I would probably have given up. It works ok now, however. I personally like the converters from Advanced Receiver Research. They are stable, sensitive, and have reasonable noise figures. The only problem I have had is with lightning induced surges blowing the gasfets.

>2. I would also like information on PSK modems for use with the
>   Microsats. I have seen Paccomm's PSK-1 modem (which also copies
>   Oscar 13 400 baud telemetry). I have heard of the G3RUH (?)
>   PSK modem but know nothing about it. What are the rest of you
>   using?

I'm using the G3RUH design from Radiokit. The modem went together easily. It tuned up cleanly. And it works. I did have the advantage of a spectrum analyser, dual trace 200 Mhz scope, and a frequency counter to make it play, but these shouldn't be necessary. The Paccomm unit seems to be a solid unit, but I haven't had any personal experience with it.

>3. I have read that the Paccomm PSK-1 modem will not work with the
>   Kantronics KPC TNC's (which I have) so I will most likely be
>   looking at replacing my TNC, too. I would like to upgrade to a
>   unit that will support KISS mode, TCP/IP, WEFAX, etc. as well as

> interface with the PSK modem. I would like to go with a unit that
> has some future, too. I am considering the PK232 and KAM. Any
> others? Any suggestions on any of them? Benefits, features you
> look for?

I would recomend a simple straight TNC2 clone such as the MFJ1270B or the Paccomm Tiny 2. I have used both extensively to interface various modems, G3RUH, WA4DSY 56k, Kantronic 2400, etc. Running KISS is a simple ROM replacement. I wouldn't bother with the multimode wonder boxes. The compromises inherent in a do everything box mean that they do nothing particularly well. Also, the external modems we are talking about are specifically designed to interface with the TNC2 and tying them to one of the multimode boxes is not straight forward. You can do it with the PK232, I've installed them for friends, but it's not simple. You have to go inside and find the signals that you need, cut traces, and patch in your own wiring. With the TNC2, the modems connect cleanly to the external modem disconnect header.

>4. It sounds like a regular FM rig will work for the uplink on 2m.
> I have a Kenwood TR7800 (25W). Any problems with this? What are
> you folks using? Do I need a 2m all-band rig?

The main thing you may need is a "mode J" filter to keep the 2 meter signal and it's harmonics out of the converter. Spectrum International sells a nice one. You can build one fairly easily if you are handy with metalworking tools.

Gary KE4ZV

From 4073796990748484322
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5c5b55c2caa4a145
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,5c5b55c2caa4a145
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-27 10:06:09 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio,news.groups
Subject: Re: rec.ham-radio reorganization: OK, how about .policy?
Message-ID: <1723@ke4zv.UUCP>
Date: 27 Dec 90 13:36:42 GMT
References: <4501@lib.tmc.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Followup-To: rec.ham-radio
Organization: Gannett Technologies Group
Lines: 25
Xref: gmdzi rec.ham-radio:18476 news.groups:23921

In article <4501@lib.tmc.edu> jmaynard@thesis1.hsch.utexas.edu (Jay Maynard) writes:

>
>(My newsfeed here is getting decidedly erratic...Please e-mail comments
>to me as well as posting them.)
>
>There has been a lot of controversy surrounding the .legal group portion
>of this proposal. Many posters have had problems with the name, on several
>grounds. I asked for a better suggestion, and Bill Davidsen (I think...please
>correct me if I'm wrong) suggested .policy. I've given it a lot of thought,
>and have decided it's a reasonable suggestion. I haven't seen any comment
>one way or the other, so I'm asking: Is this a better idea than .legal for
>a group concerned with the endless legalities and such of ham radio?

I support the change of name to policy. The problem with legal in my mind
is that this is an international group and legal issues vary from one
administration to another. Policy encompasses a wider range of issues
that could be more inclusive of our international friends.

I still strongly urge the creation of a tech group as well as renaming
the base group to misc. These changes should minimize inappropriate
cross posts and give a pure tech enviornment to those who have demanded
it. If our mailing list administrator would agree to handle the tech
group as a separate mailing, I think that a lot of people would be happy.

Gary KE4ZV

From 3005062977790942801
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0c54d597d79c632
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-27 10:06:12 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Codeless Tech License
Message-ID: <1724@ke4zv.UUCP>
Date: 27 Dec 90 14:34:29 GMT
References: <785.276F70E6@w8grt.fidonet.org>
<1990Dec20.040518.28528@athena.cs.uga.edu> <9748@b11.ingr.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 69

In article <9748@b11.ingr.com> herbster@b11.ingr.com (Joe Herbster) writes:
>
>   Gripe whine moan, and now that you get what you whined for, gripe
>   moan and slam the opposition. Please explain to me how you KNOW
>   that this "great influx of super-techies" is sure to happen? The
>   way I see it, passing the novice and tech written exams to get
>   on the air is EASIER than it used to be. What happened to the
>   "more technically oriented" exam that was supposed to go with
>   the no-code license? I think it is abundantly obvious that the
>   RATIO of "more sophisticated technical people" to enter via the

> no-code path will remain unchanged or drop as long as the
> written exam does not reflect the sophistication. I have been

I wouldn't be surprised if the RATIO of technical to non-technical types remains static. Especially if we don't do a good recruiting job. Still, this should result in relatively large NUMBER of new technical types joining the hobby. Many techies are not keen on operating events and could care less about the Morse operating mode. My personal recruiting count of techie EEs who have either already taken the written exams or are brushing up for them since the no-code license announcement stands at four. These folks have little interest in operating for operating's sake. They don't care about autopatches, they already have cellular phones. They want to try new ideas that they aren't allowed to try at work.

> helping friends and acquaintences enter the hobby for over 15 years,
> at a much better than 1 per year rate. From the informal survey
> I have verbally conducted, MOST of the new no-coders are going to
> be the spouses of current hams. Heck, my MOTHER is going for her
> ticket now at the age of ??, (WR4A's XYL :-) I don't think she
> would be insulted if I told the net she is NOT a sophisticated
> technical person. Since I have started efforts here at Intergraph
> in forming a communications club, most (not all) of the interested
> parties are MOSTLY interested in 2m autopatch privs. A few computer
> hackers are interested in wireless BBS and packet (some even TCP/IP)
> and 1 or 2 in ATV.

It's been my experience that the "autopatch amateurs" aren't very active amateurs. We have a couple of dozen club members who entered the old fashioned way who I would call "autopatch amateurs". They are almost never heard in QSO with anyone other than their spouses and are rarely on the air at all except to use the patch. The club tends to look at them simply as revenue enhancement. A few more won't appreciably effect our operations.

> Please explain to me why the no-code license is going to cause a
> big increase in super-techie types when the test is not super-techie?

Take this up with the FCC. They're the ones who decided not to require an Extra level written exam for the new class. My personal opinion is that requiring a super tough written exam would discourage youngsters who want to experiment and learn by doing. Amateur radio is supposed to be a lifelong learning and self-training service. If the entry requirement is at the expert level, then the purpose of the service is diluted. For those few who simply must have wallpaper to chart their progress, I'm sure the League could step in with programs similar to their high speed CW certificates, but this time testing technical progress. One certificate that already does this is AMSAT's ZRO Memorial Award. It measures your ability to receive extremely weak signals. Yeah, the signals are CW, but that gives the satellite enhusiasts a real reason to teach themselves Morse rather than being forced into it by government regulation. Continuous self training is one of the major purposes of amateur radio. A complex licensing structure does not necessarily aid this purpose, especially if it discourages entry in the first place by imposing requirements considered not germaine at the time by new entrants. Once they're hooked, they can learn what they need to know to operate new modes or experiment with new technologies. If this results in some "amateurish" operating practices on the air for a while as they master new skills, so be it. That's what "amateur" radio is supposed to be about. Otherwise we'd call it "professional" radio.

Gary KE4ZV

From -2974320007392959262
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,515303ac6dadd79e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-27 10:06:15 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!wuarchive!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: An Outside Viewpoint
Message-ID: <1725@ke4zv.UUCP>
Date: 27 Dec 90 14:39:40 GMT
References: <1703@ke4zv.UUCP> <0LeTu1w163w@phoenix.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 21

In article <0LeTu1w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
>
>gary@ke4zv.UUCP (Gary Coffman) writes:
>
>> We don't have good evidence that a large segment
>> of the population doesn't find the code HARD to learn. We are now embarking
>> on an experiment that will let us find out for sure. If our ranks don't
>> swell with the new no code techs, then, at least we'll know for sure
>> that they weren't being kept out by the code being hard for them to learn.
>
>   We have to be careful to not make the opposite assumption -- that if
>the ranks DO swell that they WERE kept out by the code. The swell may
>be due to increased advertising, or due to people who never even tried
>the code and don't know if they would have had trouble or not.

Very true. It's difficult to prove a positive while one negative can totally discredit a theory. I should of said that we would know that code was not the ONLY thing keeping them out of amateur radio. Amateur radio may have a bad reputation with the general public for many reasons.

Gary KE4ZV

From -2177255009577124883
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-27 10:06:18 PST

Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: 5 WPM == ITU requirement
Keywords: ITU CW reqmts, Elements 1b & 1c, the CW mentality
Message-ID: <1728@ke4zv.UUCP>
Date: 27 Dec 90 15:42:19 GMT
References: <25077@ucsd.Edu> <58130008@hpcupt1.cup.hp.com> <22157@ttidca.TTI.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 48

In article <22157@ttidca.TTI.COM> sorgatz@ttidca.TTI.COM (Avatar) writes:

```
>In article <58130008@hpcupt1.cup.hp.com> holly@hpcupt1.cup.hp.com (Jim
Hollenback) writes:
>+I always find it interesting that it is the long-term Technicians that
>                            --------------------
>+propose the two level or classes license structure.  I wonder want the
>+real motivation is to propose the present Techs should be grandfathered
>+to full HF priviledges.  I feel it more they want the full HF priviledges
>+and don't want to learn the code.  Actually there is more to learning
>     ---------------------------
>+the code on upgrading.  It also is learning the answers to more theroy
>+questions.  Otherwise there would be few if any General class license
>+holders.
>
> Your errors in sentence structure and spelling notwithstanding, the real
>reason lies in the perception that there is little if any difference between
>the Tech (element 3, pre-Novice Enhancement) and General class licensee.
>
> We already learned the code, and demonstrated that skill at 5 WPM.
>
> A two-tier license structure, or whatever.  Just so long as the  CW  test
>is kicked back to 5 WPM.  There's really no reason whatsoever for anything
>faster in terms of the ITU regs, or the skill level of the operator.
>
> If you could explain ONE real reason why that 13 WPM/Element 1b  makes  a
>ham  any  better,  I'd  love to hear it!  To my way of thinking, it's just
>another stumbling block - another way of keeping the inner-sanctum  of  HF
>from  people  that  would be interested in it bringing technical growth to
>it! (no :-)'s here...I'm very serious about this.)
```

While I am a strong supporter of the no-code license for VHF/UHF/SHF, there is one, and one only, very good reason to require a stumbling block to access to HF. Crowding. The HF bands are the only bands in amateur radio that are at or near saturation. In the commercial realm when bands are saturated the FCC resorts to a lottery. In the amateur HF bands the crowd control method is demonstration of high speed Morse operation. Not that high speed Morse skills are essential for HF operation, nor that passing a test is the best way to develop high speed Morse skills, but simply as a crowd control measure. If you would prefer a lottery, I wouldn't mind, but at least the Morse requirement gives amateurs a choice on whether they wish to operate HF or not rather than depending on the luck of the draw. While I am licensed to operate on the HF bands, I rarely do because of the crowding and zoo-like atmosphere that already exists there. I'm sure that most operators wouldn't like to see it get worse. If you have a congestion control method that is better than the Morse hoop or a lottery, then spit it out. Don't think that the Morse requirement makes a better amateur, it doesn't. Address the real issue, spectrum congestion.

Gary KE4ZV

From 3703389378506101053
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-27 10:36:54 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: No-code Technicians
Message-ID: <844.2779F0BE@w8grt.fidonet.org>
Date: 27 Dec 90 18:11:07 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 30

> From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
> Date: 27 Dec 90 05:11:01 GMT
> Organization: University of Texas Medical School at Houston
> Message-ID: <4502@lib.tmc.edu>
> Newsgroups: rec.ham-radio
>
> In article <5411@rsiatl.Dixie.Com> jgd@Dixie.Com (John G. DeArmond)
> writes:
> >I guess the best part about all this noise about no-code licenses is that
> >it does not matter. WE won, you lost and I'm going to savor the victory
> >for some time to come. That is until I get motivated to start working
> >for the total elimination of CW as a license requirement.
>
> Excuse me while I get an airsickness bag from my flight kit.

I agree. <<Surprised?>> I see no sense to a code test for a VHF only license. I see a certain amount of sense to requiring it for an HF license, not so much for what the licensee wants to do but for what someone else might need for him to do in a time of distress. Those circumstances don't arise as often as they once did, but circumstances are not yet such that it will NEVER happen again.

Having said that, however, I see little sense in reserving huge chunks of HF spectrum primarily for CW. If CW operators are as good as they say are, wading through QRM from other modes ought to be a breeze. [:->

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs

INTERNET: jim.grubs@w8grt.fidonet.org

From -1555678769810831635
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-27 11:16:44 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!mips!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Message-ID: <3076@wyse.wyse.com>
Date: 27 Dec 90 17:59:41 GMT
References: <798.2770B774@w8grt.fidonet.org>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 22

In article <798.2770B774@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>Don't count on it. Who else could be displaced in wartime with no serious
>consequences? Police, fire, aviation, commercial fishermen, offshore oil
>drillers, ????
>
>Jim Grubs - via the friendly folks at UUNET

Actually, this was a rather timely comment. I got an ARRL memorandum
yesterday that announced that there was an interesting little tid-bit
in the Federal register recently that eliminated removal of all but
RACES operations when the President involkes his War Powers. This
is all from memory folks so I'm likely to get a little of this wrong
but essentially it is now a joint decision making authority between
NTIA(that is the government radio user's equivalent of FCC) and
FCC to determine proper spectrum management during such emergency
situations, and the radio user's responsibility to "stay tuned" to
any change in their respective authorizations during such times. All
pre-aranged shut-down of existing services as defined in the rules
are now null and void I guess. The effectivity of this ruling was
mid December if I recall so it is probably already in effect.

73's de Steve KA6S

From 3699824828249303991
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c9285f150c321a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-27 11:46:58 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!snorkelwacker.mit.edu!apple!kchen
From: kchen@Apple.COM (Kok Chen)

Newsgroups: rec.ham-radio
Subject: Re: Thanks for the traffic...and now something really important :-)
Message-ID: <47603@apple.Apple.COM>
Date: 27 Dec 90 19:37:11 GMT
References: <1990Dec24.043350.9840@athena.cs.uga.edu> <PRNTu3w163w@phoenix.com>
<25337@ucsd.Edu>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 18

brian@ucsd.Edu (Brian Kantor) writes:

>When I'm struck by the poor English in an article on the net, I usually
>look up to the headers to see if the posting* originated from a
>non-English speaking country, or someone whose name might indicate that
>English is not his native language.

Yahooo! Me can said anythings which it want. Me have name with
funny spelring!

Alright, alright.... back to serious stuff.

Happy New Year, ya'all.

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From 1681638141197861761
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea5c6ad8072235f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-27 12:17:43 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!mips!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: No-code: Cease Fire
Message-ID: <3077@wyse.wyse.com>
Date: 27 Dec 90 19:00:04 GMT
References: <27080045@col.hp.com> <1990Dec22.140812.24792@athena.cs.uga.edu>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 22

In article <1990Dec22.140812.24792@athena.cs.uga.edu> mcovingt@athena.cs.uga.edu
(Michael A. Covington) writes:
>I wish it were possible to end the debate now, but the president of the
>ARRL is talking about petitioning the FCC to reconsider, and reduce the
>privileges of the no-code Technicians. (Apparently, there is a 30-day
>period after any decision during which petitions for reconsideration can
>be submitted.)

>
>Write to the ARRL (don't just flame here!) if you object to this.

What I got out of the announcement was (to paraphrase): We didn't get what we asked for and what we asked for came about after consulting our membership, so now we have to go ask them again to know how we should react to this ruling.

Michaels final sentence is what anyone who is interested should do to influence this opinion. The person you want to write to is your Division Director...you can find his/her address on Page 8 of QST. Let em know what you think. That is the best, most direct way to influence the League's position on an issue. Try it...you may be pleasantly suprised!

73's de Steve KA6S

From -1704476922521899134
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8fd9f43ed9e7a90
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-27 12:17:50 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!mips!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: 14313 kHz had indeed gone to the dogs
Message-ID: <3078@wyse.wyse.com>
Date: 27 Dec 90 19:26:16 GMT
References: <1990Dec23.220604.2333@terminator.cc.umich.edu>
<1990Dec24.014851.8801@athena.cs.uga.edu>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 18

In article <1990Dec24.014851.8801@athena.cs.uga.edu> mcovingt@athena.cs.uga.edu (Michael A. Covington) writes:
>OK folks, let's make an organized effort to do some direction finding
>on 14313. If people would compile logs like you just did -- with the
>beam heading for each signal and the approximate signal strength --
>then it would be fairly easy for the Official Observers (chez ARRL)
>to "reduce the observations" into some quite clean data about who the
>obnoxious operators are.
>
>I don't have a rotatable antenna, so there's not much I can do, but
>all the people with directional antennas could accomplish a lot.

Well, they aren't anywhere near Palmdale...I listened this weekend and heard only S9 or less signals while I was down there....(If they were in Palmdale I would have heard pretty strong ground wave...that place is FLAT...) The directions I got were all Easterly in nature.

73's de Steve KA6S

From 8871373239684353472
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcbff86ae533bc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-27 12:33:42 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: New License
Message-ID: <LoNuu1w163w@phoenix.com>
Date: 27 Dec 90 17:56:20 GMT
References: <8493@gollum.twg.com>
Organization: One Man Brand
Lines: 33

sawyer@twg.com (Bruce B. Sawyer) writes:

> In article <LZmeu2w163w@phoenix.com> stanley@phoenix.com (John Stanley) write
> >
> [with respect to licensing procedures for the new hamlette Technicians]
> >
> >   The test will have 55 questions. To upgrade, you would take a test of
> >55 questions. To walk in cold (no license), you would take a test of 55
>
> Sorry, but this is genuine disinformation. The ruling is that applicants wil
> be required to pass elements 2 and 3a. Period. Those are the same 2 and 3a
> elements as are around today (though, of course, the question pools are modif
> ever so slightly from time to time).

And there are a total of 55 questions. If you are upgrading, you don't
need to pass the 2a section. The test may have it on it.

> In other words, y
> DO have to pass the Novice written exam before you can take the Technician
> written exam, you DO have to pass the Technician written exam before you can
> take the General written exam, etc.

Please show me in the rules where it says this. The rules only say
you must pass 2a and 3a. They do not say you must pass 2a before taking
3a, nor do they say you may not take them both at the same time. If the
VEC creates a Technician written exam of two parts (2a and 3a) you need
only take that one test to become a Tech. In fact, there are places that
give you both at the same time.

The rules make NO reference to Technician Written Exam or Novice
Written Exam. Just 2a, 3a, etc. If you want to make up your own
terminology, please have it conform to the rules.

From -3625474160305184312
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c9285f150c321a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-27 12:33:47 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: Thanks for the traffic...and now something really important :-)
Message-ID: <X3ouu2w163w@phoenix.com>
Date: 27 Dec 90 18:26:32 GMT
References: <25337@ucsd.Edu>
Organization: One Man Brand
Lines: 45

brian@ucsd.Edu (Brian Kantor) writes:

> When I'm struck by the poor English in an article on the net, I usually
> look up to the headers to see if the posting* originated from a
> non-English speaking country, or someone whose name might indicate that
> English is not his native language.

Yes, by all means, judge people based on the country they live in, or the "ethnic" content of their name. DON'T EVER consider that the net is an informal medium of exchange, and that poorly spelled words DON'T mean poorly formed ideas. Forget the fact that there are some pretty rotten keyboards. Forget the fact that some English words just do not spell right. Forget that the world has become a small place, and people can move about -- some of those people from non-English speaking countries even move to the U.S.. Some of them even anglicize their names. Forget that there are few, if any, people who are payed to post to the net, and thus most people must do it in the limited time they have. Demand that every post go through a peer review process to remove spelling errors and logic flaws. Make all them damn foreigners hire someone to write their posts for them, so that YOU don't have to think.

And since you are so picky here, you should know that countries do not speak, period. The people in them do speak. Thus, there is no such thing as an "English speaking country". The people may speak English. The official language may be English. But a country that speaks? No.

> . How is a one to grade the ideas
> in a posting which implies such contempt for the reader?

And how are we to grade the ideas from someone who judges the poster based on national origin?

> Sloppy writing indicates sloppy thinking.
>   - Brian

Sloppy thinking indicates sloppy thinking. Sloppy writing indicates sloppy writing. Poor spelling indicates poor spelling. Cute homilies like yours are just your justification for dismissing any ideas you don't like without any thought at all.

> *not "post" - a post is a wooden or metal object used to support things.

You post messages to the USEnet. These messages are known as "posts". I am sorry if you object to the term. That is your problem, though.

```
From 1330307099753712206
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2bf12afd539108d5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,2bf12afd539108d5,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-12-27 13:24:09 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!
src.honeywell.com!msi.umn.edu!noc.MR.NET!uc!nachos.SSESCO.com!SSESCO.com!elmquist
From: elmquist@SSESCO.com (Chris Elmquist)
Newsgroups: rec.ham-radio,sci.space
Subject: NASA element sets @ nachos.ssesco.com
Message-ID: <290@nachos.SSESCO.com>
Date: 27 Dec 90 20:08:18 GMT
Sender: elmquist@nachos.SSESCO.com
Followup-To: rec.ham-radio
Organization: none
Lines: 10
Xref: gmdzi rec.ham-radio:18487 sci.space:18595
```

For those who were having difficulty with anonymous logins to nachos.ssesco.com, we have fixed the problem and the NASA elements are again available for FTP.

The host is nachos.ssesco.com [192.55.187.18] and the NASA element sets are in the directory /sat_elements/nasa.

The current version is NASA788.

--Chris

```
From -6989575906038431953
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2abba4499c9b1041,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-27 17:25:50 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: MAJOR SOLAR FLARE ALERT (26 DECEMBER)
Message-ID: <901227182550.23802333@HG.ULeth.CA>
Date: 28 Dec 90 01:25:50 GMT
```

Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 46

-- MAJOR SOLAR FLARE ALERT --

DECEMBER 26, 1990

Flare Event Summary
Potential Impact Forecast

MAJOR ENERGETIC EVENT SUMMARY

Please note that this report is one day late due to the Christmas holidays.

A major solar flare occurred on 26 December from Region 6420. This flare reach a class X1.9/2B rating, but was not associated with any Type II or Type IV sweep frequency events as one might expect from a flare of this intensity. The Tenflare was an impulsive type, reaching a peak intensity at 14:02 UT on 26 December, only six minutes after it started. The flare was 31 minutes in duration, ending at 14:27 UT on 26 December. The location of this flare was east of the central meridian at a position of S26E21.

Satellite-level protons returned to background levels on 26 December and were not enhanced by this major energetic event.

Region 6420 is not expected to produce any more significant major flaring.

POTENTIAL TERRESTRIAL IMPACT FORECAST

This major flare is not expected to produce very significant terrestrial activity. There is a slight risk that some material was ejected by this flare, simply due to the power of this event. However, the lack of any significant sweep frequency events from this flare strongly suggests that any terrestrial impacts will likely be small.

The current prognosis suggests that geomagnetic activity may increase slightly over the next 24 hours, but no significant storming is anticipated. Activity may reach unsettled levels over middle latitudes with possible active periods over higher latitudes. Overall, activity should remain generally unsettled, with a return to more quiet levels on 29 December.

** End of Report **

From 1647412333897778132

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-27 18:29:42 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Message-ID: <7880394@hpfcdc.HP.COM>
Date: 28 Dec 90 02:29:42 GMT
References: <798.2770B774@w8grt.fidonet.org>
Organization: HP Fort Collins, Co.
Lines: 19

>In article <708@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>>In article <18323@shlump.nac.dec.com>, magid@esis.enet.dec.com (Joel Magid...)
writes:
>>>      1A code @ 5WPM
>>>      1B computer operations (basic understanding)
>>>      1C computer    "       and theory (advanced)
>>
>>I thought this was the Amateur RADIO Service!
>
>Haven't you noticed how PROFESSIONAL radio communication is done these
>days?  How many of us come anywhere close to understanding the innards
>of a cellular phone?

You mean like on a commercial ship ?  It's all HF through 300 baud
modems.  They're just getting onto sattelite packet now, but it's too
expensive for most scows.

Perry / KF0CA

"Make 20 meters digital-only in the U.S."


From 1535418870552462913
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8fd9f43ed9e7a90
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-27 18:53:11 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!
hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: 14313 kHz had indeed gone to the dogs
Message-ID: <7880395@hpfcdc.HP.COM>
Date: 28 Dec 90 02:53:11 GMT
References: <1990Dec23.220604.2333@terminator.cc.umich.edu>
Organization: HP Fort Collins, Co.
Lines: 12

Re: CW on 14.313
```

I heard KQ2C (or something like that) calling CQ there a couple nights
ago. It was all hopelessly legal; there were two polite QRL?s, followed
by a CQ. This turkey then has the chutzpah to claim that two SSB
stations were interfering with him ! That's the first time I've ever
heard that SSB can interfere with CW. Maybe KQ2C needs better filters. :)

I think this is the right idea, though. Convert 14.310-14.316 to a
digital subband.

Perry Scott / KF0CA

From -3676716981778164343
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,73b08e114fdbde1d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-27 18:55:42 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!purdue!haven!decuac!
shlump.nac.dec.com!suisse.enet.dec.com!d_muller
From: d_muller@suisse.enet.dec.com (Dan Muller)
Newsgroups: rec.ham-radio
Subject: Question about QSL card customs
Message-ID: <1990Dec27.175211@suisse.enet.dec.com>
Date: 27 Dec 90 22:58:18 GMT
Sender: newsdaemon@shlump.nac.dec.com
Reply-To: d_muller@suisse.enet.dec.com (Dan Muller)
Organization: Digital Equipment Corporation, Littleton, MA
Lines: 16

I have a question regarding QSL cards. I'm a raw beginner, and
I've only had two QSOs so far. One of them was in Lithuania, so
I'm anxious to send a QSL card to make sure that I get one back.
However, I don't have any QSL cards yet. I have access to laser
printers and software that would allow me to make my own QSL card
layouts. Since I'm not sure how long I'll have my Novice call
(I want to upgrade soon), I'm reluctant to buy a lot of 500 cards.
Would it be considered bad form (no pun intended) to print some
QSL cards on regular paper, cut them out, and send them, rather
than having them printed professionally on heavy stock?

--
| Dan Muller KA1UXL d_muller@took.enet.dec.com
| Coming to you from DEC, but with my own opinions.
| "So THAT's what an invisible barrier looks like!"

From 4112674641485750842
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,73b08e114fdbde1d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-27 20:41:22 PST

Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: Question about QSL card customs
Message-ID: <1990Dec28.013053.11960@athena.cs.uga.edu>
Date: 28 Dec 90 01:30:53 GMT
References: <1990Dec27.175211@suisse.enet.dec.com>
Organization: University of Georgia, Athens
Lines: 2

It's easy to design your QSL card on plain paper (with a laser printer or
whatever) and then have your local copy shop copy it onto card stock.

From -5379869832147965924
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,110154e832b623dc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-27 20:43:19 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: codeless license
Message-ID: <850.277A61F4@w8grt.fidonet.org>
Date: 28 Dec 90 02:11:30 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 50

> From: dube@cpdvax.csc.ti.com
> Date: 27 Dec 90 16:09:58 GMT
> Organization: The Internet
> Message-ID: <9012271609.AA12564@tilde>
> Newsgroups: rec.ham-radio
>
> In <mcovingt@athena.cs.uga.edu (Michael A. Covington)> Mike writes:
>
> >In article <9012192258.AA00358@tilde> dube@cpdvax.csc.ti.com writes:
> >>
> >>I'm still skeptical. Suppose there is a big hue and cry to eliminate the
> >>theory exams? (to get more people into Amateur Radio, of course)
> >>CB-ification will have been achieved. Can't happen, you say? Well, they
> >>said a No-Code Ham license would never happen several years ago. Never say
> >>Never.
> >>
> >You have to remember that the no-code license was the FCC's idea and the
> >FCC was definitely not catering to outlaw CBers or slackers. The FCC
> >was trying to deal with the fact that nowadays, our best electronics talent
> >is not being attracted into ham radio.
>
> It wouldn't be "remembering", it would be news to me.
> (a) non-hams have been trying for decades to get the CW requirement
> eliminated.

The no-code movement began at WARC 1947 at Atlantic City, when several foreign delegations suggested that the code requirement had outlived its usefulness. If anything, the U.S. is a Johnny come lately in the no-code trend.

> because of the recent rules change. As has been said here before, it's
> a new
> hobby and we will have to adjust to it; but some of us reserve the right
> to
> say "I told you so".

Boy, I wish I had a quarter for every worldly wise old-timer I heard say that in the 50's when the Novice and Technician Classes were created. You did know, didn't you, that the Novice and Technician Class licenses were the result of a communist plot to destroy civilization as we know it, and the holders thereof were NOT _REAL_ hams? R_E_A_L hams (whose only code test was at 13 wpm and who drew circuit diagrams on the written exam) should never talk to the strange new people with the weird (i.e., not 1 x 2 or 1 x 3) callsigns.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -1563237281263329940
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6e083d201700a733
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 112d29,6e083d201700a733
X-Google-Attributes: gid112d29,public
X-Google-ArrivalTime: 1990-12-27 20:49:05 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!mips!pacbell.com!att!news.cs.indiana.edu!msi.umn.edu!cs.umn.edu!quest!ssb
From: ssb@quest.UUCP (Scott Sheldon Bertilson)
Newsgroups: comp.os.misc,rec.ham-radio
Subject: Re: What should a scheduler do?
Message-ID: <1990Dec28.021435.11795@quest.UUCP>
Date: 28 Dec 90 02:14:35 GMT
References: <1990Dec06.212613.25912@ism.isc.com> <PCG.90Dec16234627@teachb.cs.aber.ac.uk> <1990Dec17.214336.8190@ni.umd.edu>
Organization: Quest Research, Inc.
Lines: 17
Xref: gmdzi comp.os.misc:1201 rec.ham-radio:18496

I've hacked a little on a version of NOS that Anders Klemets ported to System V UNIX. It uses shared memory and semaphores. Each application runs in a separate process and uses a simulated socket library to communicate with the server process. I don't think Anders sees it as anything more than an experiment because the

overhead of synchronization using semaphores does a good job of
gobbling up substantially more than a 10 MHz 68010 (my AT&T 3B1).
I made a change to interlock using a test-and-set instruction
on some shared memory before trying to get a major semaphore..it
increased the efficiency of the package enough so that it
is reasonably snappy, but I've had problems with synchronization
not working properly, so I can't call it a success.
--

Scott S. Bertilson   ...ssb@quest.UUCP
scott@poincare.geom.umn.edu

From -3353413836956375922
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,73b08e114fdbde1d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-27 20:56:32 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: Question about QSL card customs
Message-ID: <709@wells.UUCP>
Date: 28 Dec 90 03:40:59 GMT
References: <1990Dec27.175211@suisse.enet.dec.com>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 28

In article <1990Dec27.175211@suisse.enet.dec.com>, d_muller@suisse.enet.dec.com
(Dan Muller) writes:
>
>   I have a question regarding QSL cards. I'm a raw beginner, and
>   I've only had two QSOs so far. One of them was in Lithuania, so
>   I'm anxious to send a QSL card to make sure that I get one back.
>   However, I don't have any QSL cards yet. I have access to laser
>   Would it be considered bad form (no pun intended) to print some
>   QSL cards on regular paper, cut them out, and send them, rather
>   than having them printed professionally on heavy stock?
>

Last thing first: Most important is the size: anything deviating from the
"standard" 3.5 x 5.5 is a nuisance to file.Light card stock (like index)
is quite a bit better than plain paper.

Most important thing is making cards count for something. There are lots of
common errors:

Putting the sender's call where the receiver's call should be.
Getting date wrong (epecially from evening to midnig

Omitting the mode. "2xCW" or "2xSSB" etc are fine. AlA, etc, are not
especially desirabe.

Why some insist on putting a frequency to the nearest 10 Hz escapes me.

As for your LY: very fine first or 2nd qso.

Could say more, but I've been going for about 18 hours so far today, and
I'm quitting for the night.

From 6749668277070134101
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea5c6ad8072235f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-27 22:54:51 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!spool2.mu.edu!uwm.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No-code: Cease Fire
Message-ID: <1990Dec28.062943.1845@ux1.cso.uiuc.edu>
Date: 28 Dec 90 06:29:43 GMT
References: <27080045@col.hp.com>
Organization: University of Illinois at Urbana
Lines: 48

bobw@col.hp.com (Bob Witte) writes:

> Here are the proposed terms of the cease fire:

>1. No-code proponents promise to refrain from using the term
>   "old phart" when referring to CW enthusiests.

Fine. I've always used "old-fart" anyway.

>2. In return, proponents of Morse code will agree that given
>   infinite dollars, digital signal processing system can
>   approach the performance of a trained CW operator. The only
>   exception is emergency conditions on a deserted island where
>   only a single transistor, a battery and a 20 ft length of
>   wire is available.

Ditch the transistor. Don't even think of trying for a tube.
Build a SPARK GAP.

>3. Both sides agree to welcome all newcomers to the hobby whether
>   they enter with or without code credentials.

Does that include CB-ers who pass 20 WPM and plop down on 14.313
and add to the mess?

>4. Both sides agree to stop blaming the mess on [insert whatever
>   band you think is most messed up] on the existence or lack of
>   any licensing requirement.

I haven't decided which band it is, yet.

>5. Both sides agree to spend more time enjoying the hobby of
>   amateur radio and less time flaming on the net.

Does this apply to those who enjoy the hobby of flaming on the net?

>6. Both sides agree that neither side has a monopoly on their
>   ability to fullfill the stated FCC goals for the amateur
>   radio service: : public service, advancing the radio
>   art, advancing communication and technical skills, expanding
>   the reservoir of trained operators/technicians/electronics
>   experts and enhancing international goodwill.

Agreed.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -249368737507427125
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea5c6ad8072235f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-27 22:56:42 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!usc!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No-code: Cease Fire
Message-ID: <1990Dec28.063408.2110@ux1.cso.uiuc.edu>
Date: 28 Dec 90 06:34:08 GMT
References: <27080045@col.hp.com> <1990Dec22.140812.24792@athena.cs.uga.edu>
Organization: University of Illinois at Urbana
Lines: 25

mcovingt@athena.cs.uga.edu (Michael A. Covington) writes:

>I wish it were possible to end the debate now, but the president of the
>ARRL is talking about petitioning the FCC to reconsider, and reduce the
>privileges of the no-code Technicians. (Apparently, there is a 30-day
>period after any decision during which petitions for reconsideration can
>be submitted.)

>Write to the ARRL (don't just flame here!) if you object to this.

I just got a form letter from the ARRL offering me another chance to
renew (I had not done so due to increase in rates) and offered a free
book (I have one of every one they offered that was interesting).
I had, just after the FCC decision on No-Code Tech was announced,
to go ahead and take them up on it.

```
I will send it back to them, addressed to Larry Price, without a check,
instructing him to send me the offer again once the ARRL decides NOT
to pursue any changes to the new Technician privileges.

It's not just the new Techs that the ARRL could offend by such a petition.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From 2971040504680229932
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3289e813bd1935b1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-27 23:34:04 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Codeless News from ARRL
Message-ID: <1990Dec28.065415.3195@ux1.cso.uiuc.edu>
Date: 28 Dec 90 06:54:15 GMT
References: <9012211454.AA17816@ucsd.edu> <47547@apple.Apple.COM> <5906@qip.UUCP>
Organization: University of Illinois at Urbana
Lines: 38

john@qip.UUCP (John Moore) writes:

>The ARRL represents its members. Since people who like to bash the
>ARRL for old fashioned views don't seem to interested in joining
>it and working from the inside, their views may be underrepresented.

Right.  The ARRL has already offended quite many hams who have subsequently
left (or never joined) the League.  In addition to the fact that the league
does NOT represent all of amateur radio, it certainly does not represent
those people who would make up what amateur radio COULD be, even if they
are potential League members.

>The people on ARRL staff that I have worked with, and our Southwest
>Division Director (Fried Hein) certainly don't fit your description.

>I get really tired of ARRL bashing. At least they actually do something
>to try to improve the hobby - within the limits set by their voting
>members.

The ARRL is, perhaps, a FOLLOWER instead of a LEADER.

As long as the ARRL is strictly following the wishes of one group, how can
it possibly expect to attract membership from the other group.  If the ARRL
petitions to move the No-code tech boundary up from 30 MHz to 220 MHz, and
of the FCC goes along, I suspect this would serve to do as much damage to
the league itself, in addition to ham radio, as incentive licensing did, or
```

worse.

I wonder what the league's policies would turn out to be if they took into
consideration the position of EVERY ham AND every would-no no-code tech as
if the membership of the league consisted of all of them? I'd like to see
such a league. But the present means of operating at the ARRL serves
strictly to preserve the boundaries between differences of opinion among
hams and would-be hams, rather than try to get everyone together.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -3822658574296893744
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84c1578ae23421fa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-28 00:32:49 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1957@n8emr.UUCP>
Date: 28 Dec 90 05:39:50 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 103

From N8JYV Thu Dec 27 03:24:04 1990
Return-Path: <N8JYV>
Message-Id: <m0ios2e-0000OiC@n8emr.uucp>
[Date: Thu, 27 Dec 90 03:24 EST
[To: <ALL@N8EMR>
R:901227/0501z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:15580 Z:43232

R:901221/0837z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:15356 Z:43232
R:901221/0810 @:AD8I.OH.USA.NA Ashville, OH #:62917 Z:43103
R:901221/0609 @:WB8JIB.#DAY.OH.USA.NA Yellow Springs #:14454 Z:45387
R:901221/0319 @:KC8TW.OH.USA.NA Cincinnati, OH #:15932 Z:45014

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NEWS FROM CANADA

* The Canadian Radio Relay League and the Canadian Amateur Radio
  Federation met Oct. 14 to discuss a merger of the two groups. A draft
  constitution for a new, single Canadian organization was updated
  based on comments from boards of directors of the two bodies. The
  merger committee plans another meeting early in December, and
  tentative plans were made for the CRRL board and the CARF annual
  general meeting to be held "in a common location" in June, 1991.

* It may take a massive letter-writing campaign to Canada's Department of Commerce to get the new "Client Procedures Circular" rescinded, according to CRRL. The CPC, which will be published in its entirety in the December issue of QST Canada, is subtitled "Municipal Consultation on Non- Broadcasting Antennas," and is characterized by CRRL as "so poorly crafted that it lends itself to all kinds of interpretations and arbitrary decisions."

* Regarding new (as of Oct. 1) Canadian regulations based on the bandwidth of transmitted signals, that 1200-baud packet operation falls within the 6-kHz maximum bandwidth allowed on 160-12 meters (except 30 meters). CRRL and CARF ask that Amateurs NOT use 1200-baud packet on the HF bands "until the CRRL and CARF form a band planning committee and the matter has been studied."

CONFERENCE HONORS ARMSTRONG

Edwin Howard Armstrong, "the Major," would have been 100 years old this year. The centennial of his birth has spawned a number of projects and retrospectives, the latest of which was a conference held Nov. 16 at Columbia University, his alma mater and where for many years he was a faculty member.

Attending the conference, held at the Columbia Center for Telecommunications and Information Studies in New York City, was ARRL Executive Vice President David Sumner, K1ZZ. Sumner participated in discussions of papers presented at the conference, particularly those concerned with the commercial development of FM (which Armstrong invented) in the U.S.

Maj. Armstrong was widely regarded as having strong roots in Amateur Radio. Although his experimentation as a "ham" predated licensing, Armstrong helped build and operate the Radio Club of America station 1BCG that was the first to be heard by the League's Paul Godley at Ardrossan, Scotland, in 1921.

It was just this sort of unstructured, "amateur" experimentation that Armstrong carried over into his many technical breakthroughs, which included invention of the regenerative circuit (1912); the superheterodyne (1917); and wide band FM (1933).

Also present at the conference was Thomas Lewis of Skidmore College, who is helping produce the film "Empire of the Air," a PBS documentary about the early days of broadcasting that is scheduled for airing next fall. Lewis is pictured with Bruce Kelley, W2ICE, in the Oct. 19 issue of The ARRL Letter.

PLEASE GO AWAY

Here is the latest list of intruders in our HF bands which the ARRL has asked FCC's Treaty Branch to pursue with other countries as well as our own:

* 1813-1820 kHz, A2A (beacon transmitters);
* 7008, F1 (TTY idling and traffic);
* 14221, R7B/F1B (250/500 Hz shift TTY and Mux);
* 14312, F1 (high speed digital keying, 1 kHz shift);
* 18090, F1 (140 baud encrypted, 500 Hz shift);
* 18095.5, F1 (idling signal, 2 kHz shift);
* 18125, F1 (50 baud, 400 Hz shift, some encryption);
* 18138.5, F1 (140 baud, encrypted).

BRIEFS

* The League's latest move against the reallocation of part of the 220 MHz band to commercial interests was played out in court Nov. 16, when oral arguments were presented by the ARRL as plaintiff and the FCC as defendant, to the U.S. Court of Appeals, D.C. circuit. A panel of three judges heard the arguments and questioned both sides in the request for judicial review. The Court's decision is expected in a few weeks.

* The preliminary position on the 40-meter band contained in the FCC's Second Notice of Inquiry in Docket 89-554 generally was supported at the final 1990 meeting of the FCC WARC-92 Advisory Committee's Informal Working Group No. 1, held in Washington Nov. 8, according to EVP K1ZZ, who attended as a member of the working group. Background on this can be found in the Oct. 5 issue of The ARRL Letter and in Nov. QST.

```
From -5960830022089819108
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84c1578ae23421fa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-28 00:33:03 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1958@n8emr.UUCP>
Date: 28 Dec 90 05:40:23 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 105

Return-Path: <N8JYV>
Message-Id: <m0iosFC-0000QFC@n8emr.uucp>
[Date: Thu, 27 Dec 90 03:24 EST
[To: <ALL@N8EMR>
R:901227/0500z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:15579 Z:43232

R:901221/0819z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:15354 Z:43232
R:901221/0734 @:AD8I.OH.USA.NA Ashville, OH #:62903 Z:43103
R:901221/0449 @:WB8JIB.#DAY.OH.USA.NA Yellow Springs #:14447 Z:45387
R:901221/0317 @:KC8TW.OH.USA.NA Cincinnati, OH #:15931 Z:45014
```

FCC TWEAKS AMATEUR RULES

The Federal Communications Commission has addressed a number of proposals for changes to its Part 97 Rules for the Amateur Service, in response to petitions by the ARRL as well as several individuals. The Commission's Notice of Proposed Rule Making in Docket 90-561 was released Nov. 16. Here are the highlights:

* The ARRL asked that the terms "telecommand," telemetry," and "space telemetry" be defined in the Rules; FCC agreed. The terms "tactical call sign" and "digipeater" will not be codified.

* ARRL sought an increase in the minimum number of club members necessary to apply for a club station license, from two to four. But the Commission noted that no new club station licenses have been issued for some 13 years and "we do not foresee that we will resume doing so," so the point was moot. The League continues to urge the Commission to resume the issuance of new club station licenses.

* FCC declined a request to amend its Rule that states an Amateur station must be independent of all other radio apparatus installed on a ship or aircraft. The League's argument in this case was that a regulation already is in place prohibiting an Amateur signal from interfering with other apparatus aboard.

* In the matter of prohibition of automatic control of Amateur stations when third party traffic is being handled, the League sought a rules revision to put the responsibility for the content of such traffic on the originating Amateur station. The Commission, however, maintained that traffic content is the responsibility of every station, including those who retransmit communications, and proposed no change.

In a related matter, ARRL sought a clarification of Section 97.109(d), to emphasize that a Commission representative may order an automatically controlled station to shut down because of improper operation or harmful interference only after the alleged offending station has been given the opportunity for a hearing.

FCC denied this, saying that "the control operator must cease automatic control of the station upon notification by an Engineer in Charge that the station is transmitting improperly or causing interference to other stations, and the licensee is not entitled to a hearing before such notification."

* The FCC declined to amend its Rules to permit retransmissions of other services--NOAA weather and DOC propagation broadcasts--saying such transmissions are "routinely available over the air with inexpensive receivers."

* The FCC agreed to amend its Rule regarding compensation of club station operators, lowering the number of simultaneous bands on which bulletins and code practice must be transmitted from ten to six.

* A request to ease the FCC Rules regarding third party communications on behalf of someone holding an Amateur Radio license but not eligible to be a control operator of an FCC- licensed station was denied. The Commission said this had already been considered (in the most recent Rules rewrite) and denied at that time.

* A request by an individual Amateur to require stations to identify at the beginning of communications through a repeater was not included in the proposals, but FCC asked for comments in the matter.

* FCC declined to entertain a change in its Rules to incorporate due-process procedures in cases involving "quiet hours," saying that it was unnecessary.

* In the area of Special Operations, FCC agreed to:

1. Amend its Rules to delete the condition that an auxiliary station can be automatically controlled only when it is part of a repeater system, so that Amateur operators can experiment with new system configurations that use auxiliary links;

2. Expand the permissible types of space telemetry transmissions as requested by the ARRL;

3. Make minor changes in wording, including changing "remote control" to "telecommand."

* The FCC once again refused to change its Rules banning 10-meter power amplifiers, saying the ban "makes our enforcement procedures more efficient and effective."

* A request that persons whose Amateur station or operator license has been revoked or suspended be allowed to qualify as a volunteer examiner after a 10-year period was turned down.

Interested parties may file comments on or before Jan. 31, 1991; reply comments are due by March 4, 1991. Extensions of time are not contemplated, according to the FCC.

From 2899979875271838339
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84c1578ae23421fa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-28 00:33:10 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news

Message-ID: <1959@n8emr.UUCP>
Date: 28 Dec 90 05:40:52 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 77

Return-Path: <N8JYV>
Message-Id: <m0iosTY-0000fZC@n8emr.uucp>
[Date: Thu, 27 Dec 90 03:24 EST
[To: <ALL@N8EMR>
R:901227/0459z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:15578 Z:43232

R:901221/0712z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:15350 Z:43232
R:901221/0523 @:AD8I.OH.USA.NA Ashville, OH #:62867 Z:43103
R:901221/0445 @:WB8JIB.#DAY.OH.USA.NA Yellow Springs #:14446 Z:45387
R:901221/0314 @:KC8TW.OH.USA.NA Cincinnati, OH #:15930 Z:45014

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HAMS HELP TRACK ANOTHER ALLEGED JAMMER - (Continued)

"Barney" feels the heat

Barney at this point apparently became suspicious and for several days curtailed his transmitting.

Additional transmissions were noted on the TARA repeater, and on state police, county radio, and the Norristown Fire Department frequencies, as Barney gradually resumed operations beginning the weekend of Sept. 15-16. FCC engineers meanwhile narrowed the source down to a particular house in the congested area.

For the next two weeks monitoring increased, as efforts began to identify the occupants of the house, which appeared to be divided into apartments. Any search warrant issued would have to be for a specific apartment rather than for the whole building.

At the end of September the U.S. Attorney was presented with evidence gathered up to that time. Montgomery County Communications Chief Dennis Parker and Norristown Fire Department Chief Joe DeDominic were asked to provide evidence they had gathered about interference to their operations and to file formal complaints.

In early October the jamming increased, and included harrassment of the Norristown F.D. on Oct 20, 23, and 26. In one transmission Barney tried to recall several trucks from a fire call. By that time the fire department had filed a formal complaint with the FCC.

On Oct. 19, U.S. marshals and FCC personnel, acting on a search warrant issued by the U.S. Attorney, entered the suspect house. But no radio equipment was found.

Although the raid was a disappointment, the FCC continued its probe.

The landlord of the row house next to the house that had been searched told Rahtes that one of his tenants was known to have several radios and antennas in his room at the front of the building. The landlord supplied additional information, such as the tenant's work hours, which seemed to confirm that this individual was indeed the likely suspect.

>From the landlord's first floor apartment Rahtes took field strength measurements, and was able to hear Barney operating his equipment through the thin walls of the building.

On Nov 1, the Radio Amateur Civil Emergency Service repeater in Eagleville, PA, reported unauthorized access to its 911 emergency system. RACES net members were being beeped day and night, adding to the FCC's case for securing another search warrant, which soon was issued.

TARA president E.C. "Gene" Pressler, W3ZXV, joined FCC personnel and U.S. marshals to enter the suspect premises. Several pieces of radio equipment were discovered, along with a directional antenna suspended from the ceiling, and other evidence.

Pressler then operated the suspect's equipment as FCC engineers Barry Peahota and Frank Hurst made recordings of the signal, for later signal and voice print analysis comparison with taped jamming transmissions.

Included among the equipment confiscated were two hand-held transceivers, as well as several scanners, most of which were in operation at the time of the search.

At presstime, no charges had yet been filed against Woods.

From 9905941288555519988
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84c1578ae23421fa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-28 00:33:24 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1960@n8emr.UUCP>
Date: 28 Dec 90 05:41:26 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 81

Return-Path: <N8JYV>
Message-Id: <m0iosbV-0000iBC@n8emr.uucp>
[Date: Thu, 27 Dec 90 03:24 EST
[To: <ALL@N8EMR>
R:901227/0457z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:15577 Z:43232

```
R:901221/0525z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:15345 Z:43232
R:901221/0511 @:AD8I.OH.USA.NA Ashville, OH #:62866 Z:43103
R:901221/0440 @:WB8JIB.#DAY.OH.USA.NA Yellow Springs #:14445 Z:45387
R:901221/0311 @:KC8TW.OH.USA.NA Cincinnati, OH #:15929 Z:45014
```

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HAMS HELP TRACK ANOTHER ALLEGED JAMMER

Another alleged radio jammer has been silenced due in part to the efforts of Amateur Radio operators. On November 6 U.S. marshals and engineers from the FCC's Langhorne, PA field office seized radio equipment, belonging to Ernest Woods, 30, of Norristown, believed to have been used to interfere with Philadelphia-area 2-meter Amateur repeaters, as well as frequencies of the Pennsylvania State Police, the Norristown fire department, and other public service agencies.

Woods could face serious civil and criminal charges as a result. Woods was issued Novice class amateur license KA3WHZ in May 1990 and a Technician license in August.

In late June users of the Telford (PA) Area Repeater Association (TARA) began to experience "persistent and purposeful interference" to their 145.190 MHz repeater. In early August the TARA executive committee and TARA's control operators met to discuss the situation, after the jammer had gotten access, apparently through trial and error, to the repeater's phone patch and speed dial codes.

Concerned for the integrity of the repeater's emergency service codes, TARA on August 8 changed these services to "controlled access," and at the same time began efforts to pinpoint the source of the interfering signal. Standard Amateur fox-hunting techniques soon narrowed the source of the signal to a neighborhood of Norristown, about 20 miles from downtown Philadelphia.

On August 27 a preliminary formal complaint--with tape recordings--was filed by TARA's president with the Engineer in Charge of the FCC field office in Langhorne, PA. Area ARRL and repeater officials were at that time notified of the situation.

On September 2, a team once again tracked "Barney," as they called the jammer, and concluded that additional equipment would be needed to positively identify the specific house from which the signal was being transmitted.

On September 6 a TARA official and one from the Fairview Village 2-meter repeater joined forces, using a Doppler Systems direction finding unit to localize the source of the signal to the same area.

Four days later, a station wss copied interfering with several Pennsylvania State Police channels in the 159-MHz range. A TARA official monitored the police frequencies long enough to confirm to his satisfaction that the interfering operator probably was the TARA repeater jammer.

TARA informed the Pennsylvania State Police of their on- going search for their repeater jammer, and were told the cops had been forced to move to alternate frequencies because of the jammer.

As word spread through various agencies, interference to the state police continued, with Barney telling the troopers to "drop dead" and at one point making a false report of an accident.

By Sept. 12 the FCC had stepped in, to act on complaints both from TARA and from the state police. Engineer-in-Charge John Rahtes asked for TARA's assistance: Rahtes needed a safe house in the immediate neighborhood where his agency could set up equipment to monitor the jammer, identify him, and gather legal evidence.

A vacant third floor apartment was located a half-block from the suspected source of the signal and the FCC installed its equipment, including gear capable of identifying transmitters by their signal signatures. TARA personnel assisted the FCC in monitoring over the next few weeks.

. . . . Continued next part

From 2351118611094269432
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84c1578ae23421fa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-28 00:33:37 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1961@n8emr.UUCP>
Date: 28 Dec 90 05:41:56 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 73

Return-Path: <N8JYV>
Message-Id: <m0ioslx-0000PiC@n8emr.uucp>
[Date: Thu, 27 Dec 90 03:24 EST
[To: <ALL@N8EMR>
R:901227/0456z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:15576 Z:43232

R:901221/0523z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:15344 Z:43232
R:901221/0503 @:AD8I.OH.USA.NA Ashville, OH #:62865 Z:43103
R:901221/0433 @:WB8JIB.#DAY.OH.USA.NA Yellow Springs #:14444 Z:45387
R:901221/0309 @:KC8TW.OH.USA.NA Cincinnati, OH #:15928 Z:45014

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MEMBERS CHOOSE NEW DIRECTORS

ARRL members in the Northwestern and West Gulf Divisions have voted to send new representatives to the ARRL Board, and in the Hudson Division have returned the incumbent to office for another term. Ballots in these and two other contested elections for 1991-1992 terms of office were counted by the Committee of Tellers November 20 at League Headquarters.

The Northwestern Division race was between Mary Lewis, W7QGP, the present ARRL Section Manager of Western Washington and a past Director of the Divison, and incumbent Bill Shrader, W7QMU. Shrader advanced from the position of Vice Director to Director a year ago following the resignation of Rush Drake, W7RM, for health reasons. Lewis was elected by a margin of 110 votes, 2,382 to 2,272. The incumbent Vice Director, Mary Lou Brown, NM7N, was unopposed for reelection.

In the West Gulf Division, the incumbent Director, Sam Sitton, KV5X, had moved up to that position from Vice Director in January following the election of Jim Haynie, WB5JBP, as an ARRL Vice President. Tom Comstock, N5TC, a past Vice Director, had been appointed to fill the Vice Director vacancy. For the new term, however, Sitton decided to run for Vice Director and was elected without opposition. Comstock ran for Director and was elected over Rik Albury, W5SOQ, by a margin of 2,641 to 1,234.

In the Hudson Division, Director Steve Mendelsohn, WA2DHF, was returned for a third term. In a replay of the 1988 election, Mendelsohn bested Vincent Biancomano, WB2EZG, 2,898 to 1,235. Vice Director Paul Vydareny, WB2VUK, was unopposed for reelection.

The other contests this year were for the Vice Director positions in the Rocky Mountain and Central Divisions.

In the Rocky Mountain Vice Director contest, where the incumbent was not seeking reelection, Bob Scupp, WB5YYX, defeated past Director Lys Carey, K0PGM, by the narrowest margin of the year: 948 to 925. Director Marshall Quiat, AG0X, was reelected without opposition.

In the Central Division, in the only three-way race of the year, incumbent Vice Director Howie Huntington, K9KM, defeated challengers Mike Hoshiko, W9CJW, and Ken Ebneter, K9EN. The three received 2,231, 1,065, and 928 votes respectively. Director Ed Metzger, W9PRN, previously had been declared reelected as the only eligible candidate.

The newly elected League officials take office at noon January 1, 1991, along with the Directors and Vice Directors previously declared elected without opposition in the New England, Roanoke, and Southwestern Divisions.

W1AW TO SHIFT 15 AND 10 M CW FREQUENCIES

Effective January 2, 1991, W1AW will transmit its code practice and CW bulletins on new frequencies in the 15 and 10 meter bands. The change is being made to avoid interference between W1AW and AMTOR operations, which have become very popular near the old frequencies that had been used by W1AW for many years.

The new frequencies will be 21.0675 and 28.0675 MHz, 10 kHz lower than the old frequencies.

From -8408162744925795686
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84c1578ae23421fa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-28 00:33:52 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1962@n8emr.UUCP>
Date: 28 Dec 90 05:42:27 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 40

Return-Path: <n8emr!KB8NW>
Message-Id: <m0iosry-0000ZNC@n8emr.uucp>
[Date: Thu, 27 Dec 90 03:23 EST
[To: <ALL@ARRL>
R:901227/0657z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:15605 Z:43232
R:901227/0606z @:W8CQK Columbus, OH #:8631 Z:43229
R:901226/1813 @:WB8BII.OH.USA.NA Cuyahoga Falls, OH #:16203 Z:44223

ZCZC AP56
QST DE W1AW
PROPAGATION FORECAST BULLETIN 52 ARLP052
FROM ED TILTON, W1HDQ SPRING HILL FL
DECEMBER 26, 1990
RELAYED BY KB8NW/OBS & BARF-80 BBS
TO ALL RADIO AMATEURS

In talking or writing about solar acitivity in a given month, we tend to pay more attention to the highs than to the lows, but if the solar flux finishes December at or near the present level, the low will be worth some attention. As of December 26 the minimum solar flux this month was 176, and that came on 1 December. Drop that first day and the December minimum so far would be 182, an exceptionally high figure.

Good winter conditions are also shown in the WWV A index. Through December 26, the A index high was 16, a moderate level. Only three 16s appear in the December reccord, and most A indices are much lower.

The apppearance of the Sun in recent days has shown little change through the afternoon of December 26, but the minor changes seen in both the solar surface and day to day radio propagation suggest that major changes are not far off. A special bulletin will be issued before December 31 if expectional conditions warrant.

American sunspot numbers for December 6 through 12 were 136, 172, 155, 166, 156, 135 and 110 respectively, with a mean figure of 147.1. For the week of December 13 through 19 they were 131, 113, 88, 109, 129, 155 and 150, with a mean figure of 125.

From 1168267619165297009
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84c1578ae23421fa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-28 00:34:01 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1963@n8emr.UUCP>
Date: 28 Dec 90 05:42:58 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 118

Return-Path: <n8emr!KB8NW>
Message-Id: <m0ipBp1-00008gC@n8emr.uucp>
[Date: Thu, 27 Dec 90 23:41 EST
[To: <ALL@ARRL>
R:901228/0428z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:15622 Z:43232
R:901228/0359z @:W8CQK Columbus, OH #:8688 Z:43229
R:901227/2143 @:WB8BII.OH.USA.NA Cuyahoga Falls, OH #:16280 Z:44223

ZCZC AE06
QST DE W1AW
DX BULLETIN 51 ARLD051
FROM ARRL HEADQUARTERS NEWINGTON CT
DECEMBER 28, 1990
RELAYED BY KB8NW/OBS & BARF-80 BBS
TO ALL RADIO AMATEURS

Thanks to Allen, N2KW, The TRISTATE DX PacketCluster Network, and the many others who made these DX Bulletins possible during 1990.

AFGHANISTAN. UT5RP has volunteered to assist YA0RR QSL duties. Dima says Romeo will operate for a three week period in January. Stateside coordinator NT2X is less optimistic, citing numerous obstacles to an early starting date.

ANGOLA. An Argentine group has targeted D2 for activation next

Spring.

CHATHAM ISLAND. ZL0AAD/7 is on 7 MHz CW at 1200 UTC and ZL0ADN/7 is on 14 MHz SSB at 1100 UTC as well as other times. They will be active one more week. QSL to DJ1ND. ZL0AIC is in Antarctica and QSLs via HB9AAA.

CHRISTMAS ISLAND. A Japanese group plans an operation April 2 through 9.

COMOROS. D68JM likes 14 MHz SSB at 0400 UTC. QSL via WV4F.

FAROES. OY9JD has a good signal on 3799 KHz at 2130 UTC. Jon also likes 28 MHz SSB in the morning while OY1CT keeps the CW crowd happy.

FRANZ JOSEPH LAND. Now is the time of year to log this northern outpost as volleyball has been suspended for the winter. 4K2OIL with a strapping 17 meter signal, 4K2PGO and 4K2BDU on 20 meters, and 4K2PYL on 40 meters, all combine to make FJL available around the clock.

JAN MAYEN. JX7DFA has been active on 28 MHz RTTY at 1300 UTC and CW a bit later.

LEBANON. OD5SK and OD5RH both like 28 MHz SSB after 1400 UTC.

LESOTHO. 7P8CI and 7P8EB can be found on 10, 15 or 17 meter SSB most days after 1900 UTC.

MALAWI. 7Q7LA works 18 MHz CW at 1600 and 1900 UTC, and 14 MHz CW at 0430 UTC. QSL via G0IAS.

OMAN. A41KY and A47RS have been active on 28 MHz SSB at 1300 UTC. A41JZ prefers 7 MHz CW at 0300 UTC.

PAKISTAN. AP5HQ has a great signal on 14183 KHz at 0230 UTC. QSL via N0RR. Lets hope these conditions hold for the YA0RR operation.

QATAR. Both A71AL and A71CD like 28 MHz SSB at 1300 UTC.

RWANDA. 9X5SW visits the Brazil DX Net on Saturdays at 1300 UTC on 28533 KHz. QSL to DL1HH.

SAN FELIX. XQ0X has been very busy this week. All operations have been 14 and 28 MHz SSB. If you need this one, work him now before his work schedule expands. See NOTE 1.

SINGAPORE. 9V1XQ has a commanding signal on 14180 KHz after 2200 UTC. QSL via K2QBV.

SOUTH ORKNEY. VP8BXK visits various 20 meter nets as time permits. A Spanish scientific team will visit South Orkney and South Shetland during January. QSL ED0BOD and EG0BOD via EA4BOD.

SOUTH SHETLAND. 4K1ADQ joins HF0POL around February 1 in keeping this outpost very active.

TAIWAN. BV2FB likes 14 MHz SSB at 2330 UTC. QSL via AA6BB. BV2TA has a good signal on 7 MHz CW at 1230 UTC.

VANUATU. YJ8RN likes 14 MHz SSB at 0630 UTC. QSL to N9DRU.

ZAIRE. 9Q5TE is back from his SM holiday. Gus has an outstanding signal on 14 MHz SSB at 0500 UTC. 9Q5AA prefers 28 MHz SSB at 2300 UTC.

NOTE 1. XQ0X manager CE3ESS requests QSLs be sent to Box 9834, Santiago, Chile. Please send them after January 15.

NOTE 2. During 1990 the combined YCCC/TRISTATE PacketCluster Network logged over 300 countries. Among the 35,000 spots were 179 countries on top-band.

NOTE 3. UH8EA is workable on 3501 KHz at 0230 UTC. 3C1EA likes the same frequency. Add K1EA calling and things get very confusing.

NOTE 4. The NCDXC weekly bulletin is an excellent source of fresh information. Listen for W6TI on 14002 KHz at 0200 UTC each Monday.

NOTE 5. 9K2CS is back on the air operating portable in HZ awaiting his license. Please do not ask him about 7O1AA QSLs. The logs are in Kuwait and no QLSing is possible yet. Mohamed would like to attend the 1991 Dayton Hamvention.

NOTE 6. This bulletin marks the last in a series by N2KW who will be vacationing in Orlando, Florida, this winter. Allen regrets that being unable to log on to the TRISTATE node of K2GX will preclude further bulletins from him until later next Spring. Give him a call if you hear his mobile signal.

Good Luck on DX de KB8NW/OBS

From 229683423848460327
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3252f054ab431fe,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-28 03:24:18 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!zaphod.mps.ohio-state.edu!mips!apple!agate!ucbvax!UHCCUX.UHCC.HAWAII.EDU!bt455s01
From: bt455s01@UHCCUX.UHCC.HAWAII.EDU (Manwai Yip)
Newsgroups: rec.ham-radio
Subject: Re: PRO-2006 Scanner Mod
Message-ID: <9012281013.AA14571@uhccux.uhcc.Hawaii.Edu>
Date: 28 Dec 90 10:13:45 GMT

Sender: usenet@ucbvax.BERKELEY.EDU
Lines: 47

Someone asked how to modify their Radio Shack PRO-2006 Scanner to receive the blocked frequencies. Here's how.

Basically, what you will be doing is disconnecting diode D502. That's all.

1. Unplug the scanner from it's power source and remove the antenna(s).

2. Unscrew and remove the four phillip screws on the back panel of the scanner that hold the top and bottom half of the scanner's plastic case. No need to unscrew any of the other screws, just the top two and the bottom two.

3. Carefully remove the two halves of the scanner's plastic case by first pulling the case away from the front panel and then out. The top half of the plastic case has the speaker permanently attached to it with a wire connecting it to the top circuit board, so be sure to unplug the wire from the circuit board before you yank it off when you remove the case.

4. Diode D502, your target, is now in view. You will see it on the back of the circuit board behind the top right corner of the front panel (looking at it from the front). The diode is standing upright from the circuit board, so you're job of snipping it is made somewhat easier.

   The diode is the second one from the top. The designator "D502" is printed in white on the circuit board at the foot of the diode. All you need to do is snip the wire that connects to the diode so as to disconnect it from the circuit. No need to remove the diode entirely, just cut the wire into it. If you don't have the proper tool to cut it, finger nail clippers will do the job beautifully. It maybe necessary to unscrew the front panel from the frame if there's not enough room for you to get at the diode. Just remember not to yank too hard when pulling the panel from the frame since the LED display, keypad, and other controls are still plugged into the circuit board. It really isn't necessary to unplug all these things, just move the panel slightly away; enough to give you room.

5. After disconnecting the diode, put everything back together the same way you took it apart (Did I really need to say that? :)

Your PRO-2006 scanner is now able to receive the previously blocked out frequencies of 823.945 MHz to 851 MHz, and 868.945 MHz to 896 MHz. It can now also step in 30 kHz increments in addition to 5 kHz, 12.5 kHz, and 50 kHz. You will notice 30 kHz in the LED display when you scan your new frequencies, unless of course you pressed the STEP button to change it. Once you press STEP, you will not be able to reselect 30 kHz again unless you reprogram.

And so endeth a layman's guide for modding the PRO-2006.

From -2757909309782742362

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,73b08e114fdbde1d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-28 05:25:08 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!snorkelwacker.mit.edu!hsdndev!husc6!genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: Re: Question about QSL card customs
Message-ID: <40169@genrad.UUCP>
Date: 28 Dec 90 12:32:24 GMT
References: <1990Dec27.175211@suisse.enet.dec.com>
Sender: news@genrad.UUCP
Reply-To: dls@freedom.genrad.COM (Diana L. Syriac)
Organization: GenRad, Inc., Concord, Mass.
Lines: 41

In article <1990Dec27.175211@suisse.enet.dec.com> d_muller@suisse.enet.dec.com (Dan Muller) writes:

> I have a question regarding QSL cards. I'm a raw beginner, and I've only had two QSOs so far. One of them was in Lithuania, so I'm anxious to send a QSL card to make sure that I get one back. However, I don't have any QSL cards yet. I have access to laser printers and software that would allow me to make my own QSL card layouts. Since I'm not sure how long I'll have my Novice call (I want to upgrade soon), I'm reluctant to buy a lot of 500 cards. Would it be considered bad form (no pun intended) to print some QSL cards on regular paper, cut them out, and send them, rather than having them printed professionally on heavy stock?

As a sorter for the W1 Call Area, I would have to say that ANY piece of paper with the right information on it is good. Minimum information would be your callsign, his (or her) callsign (BLOCK LETTERS ARE BEST and make it clear WHICH CALLSIGN IT'S GOING TO), signal report, date, time in UTC and frequency, plus mode (CW, SSB, etc) if you intend to later use it for specialty certificates.

As a favor to the other station, I'd probably put his first name and qth in (especially if you send it thru the bureau. we can sometime figure out the real callsign by looking in the Callbooks and looking at the name and qth even when the callsign is questionable), as well as your own name and address and your county, if you know what it is (many foreigners collect "all county" qsl cards).

Another "it would be nice". Make the piece of paper approximately the size of a normal QSL card (3 1/2 x 5 1/2). They're easier to sort that way.

I got a real neat one a few days ago.....The QSL card was coming from Italy....going to USSR......it made a stop at my house along the way :-).

CHEERS!

```
->Diana L. Syriac      dls@genrad.com         Ham: KC1SP (Sweet Pea)      <-
->I'D RATHER BE FLYING! P-ASEL, INST       CAP: 1LT, Freedom 690 Mobile<-
->GenRad                    AD ASTRA, PER ASPERA       <-
->MS/6, 300 Baker Ave, Concord, Mass.  01742   (508) 369-4400 x2459        <-
```

From -219081940531070542
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,33e3e27755cdefbc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-28 06:44:44 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!NADC.NADC.NAVY.MIL!rachiele
From: rachiele@NADC.NADC.NAVY.MIL
Newsgroups: rec.ham-radio
Subject: New Tech class books
Message-ID: <9012281437.AA06127@next0.looney>
Date: 28 Dec 90 14:37:12 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 31

Michael Waugh writes:
>>I'm interested in the No code Tech class of ham licence.

>>What would be a good book to study, that would cover the

>>requirements for the written test.

The new Tech test will consist of the old Novice theory test,
plus the old 25 question Tech test. There are a number of
good books you can use, I recommend the following:
for Novice, the Ameco Amateur Radio Novice Class Theory Course.
    Cat num. 23-01.
for Tech, the ARRL Tech theory book, I don't remember the exact
title.
Both of these books give you more information than you need to
pass the tests. In addition, the ARRL book gives you the
entire 250 question pool from which the test will be taken from.
(That is one deficiency in the Ameco book, it doesn't have the
questions in it. Another good book, ARRL's Tune in the World With
Ham Radio, does have the entire 300 question novice pool.)

Make sure you get the latest version of any book. These can be
purchased from any radio store, and the ARRL books can, I believe,
be purchased directly from the ARRL.

If you have a Mac computer, someone on the net has typed the entire
question pools into Hypercard, so that may help you if you get
that.

Hope that helped, good luck.
Jim, NE3X

From 6610778227826150275
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93db2961ae80c996,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-28 08:24:21 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: no more exams
Message-ID: <9012281546.AA05902@tilde>
Date: 28 Dec 90 15:46:46 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 22

In <paulf@shasta.Stanford.EDU (paulf)> Paul polls:

>In article <9012192258.AA00358@tilde> dube@cpdvax.csc.ti.com writes:
>>I'm still skeptical. Suppose there is a big hue and cry to eliminate the
>>theory exams? (to get more people into Amateur Radio, of course)
>
>Quick poll: How many people would not object to dropping the theory exams?
>

Who you polling, Paul? It would be nice to see how may Hams want to do away
with the theory exams, but it's my opinion that these are not the people who
would like to do away with the exams. You need to poll the folks out there
who don't have tickets and who may claim that the only thing that's been
keeping them from getting one is the @@$%&* theory exams.

>
><I've seen straw men, but hey, this sucker is made of mighty thin grass...

Straw men come in many forms.

73,
Dube   N5PDK

"Why waste time learning, when ignorance is instantaneous?"   -Hobbes

From 6883250741348926881
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93db2961ae80c996
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-28 10:55:38 PST
Path: gmdzi!unido!mcsun!uunet!samsung!spool2.mu.edu!news.cs.indiana.edu!bronze!commgrp@silver.ucs.indiana.edu
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: no more exams

Message-ID: <1990Dec28.182059.23654@bronze.ucs.indiana.edu>
Date: 28 Dec 90 18:20:44 GMT
Sender: daemon@bronze.ucs.indiana.edu (Mr Background)
Organization: Indiana University
Lines: 27
Posted: Fri Dec 28 12:20:44 1990

Subj: no more exams

>In <paulf@shasta.Stanford.EDU (paulf)> Paul polls:
>>In article <9012192258.AA00358@tilde> dube@cpdvax.csc.ti.com writes:
>>...Suppose there is a big hue and cry to eliminate the
>>theory exams? (to get more people into Amateur Radio, of course)
>>
>>Quick poll: How many people would not object to dropping the theory exams?
>>
>Who you polling, Paul? You need to poll the folks out there
>who don't have tickets and who may claim that the only thing that's been
>keeping them from getting one is the @@$%&* theory exams...
>73, Dube   N5PDK

(-: (-:   Tongue firmly implanted in cheek :-) :-)

No-study degrees (a.k.a. athletic scholarships) establish a strong
precedent. Any lawyer could probably "prove" that the theory
questions are culturally biased.

Just mark the appropriate space on next year's IRS Form 1040:

Do you want to be a ham? Yes___ No___

--

Frank   W9MKV   reid@ucs.indiana.edu

From 875231528019456309
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8fd9f43ed9e7a90,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-23 15:16:15 PST
Path: gmdzi!unido!mcsun!uunet!samsung!umich!terminator!usenet
From: 0003829147@mcimail.com (Sander J. Rabinowitz)
Newsgroups: rec.ham-radio
Subject: 14313 kHz had indeed gone to the dogs
Message-ID: <1990Dec23.220604.2333@terminator.cc.umich.edu>
Date: 23 Dec 90 22:06:04 GMT
Sender: usenet@terminator.cc.umich.edu (usenet news)
Organization: ---
Lines: 64

Intermingled with the messages pertaining to the continuing code/
no-code debate have been repeated references to what is going on

at 14313 kHz. At least two messages on Usenet expressed curiousity about 14313, and I've been wondering about that frequency myself, so I tuned it in today on my Sony ICF-2010.

I realize that many hams have listened to this first-hand. For the benefit of those who haven't, however, this is what I found when I turned on the radio today on 23 December 1990, beginning at 2045 UTC:

```
Time:   Description:
--------------------
2045*   "You are a <homosexual epithet>" (no call sign, repeated
          several times)
2050*   "Is this frequency in use, pleeeeeeeez?" (no call sign,
          repeated several times)
2057    "Bearcat 1 to Bearcat 2" (again, no call sign)
2058    DELIBERATE ATTEMPT TO JAM A LEGITIMATE QSO IN PROGRESS:
          "Get off the air, <actual callsign>.  Who the h*** do
          you think you are?"
2059    "<Actual callsign> dog****, get off the frequency."
2101    Anti-semetic epithets heard at this time
2102    Morse code (jamming?).  Also, someone is whistling into the
          microphone.
2106    More epithets heard.
2108    Deliberate interference by moving microphone or breathing
          into it.
2116    Deliberate jamming by chanting/singing into the
          microphone.
2124    "Who gives a ****" (no call sign, regular intervals)
2128    Computer tones (AMTOR?) heard
2129    First reference to Herbie heard.  More epithets heard.
2135    Best wishes and a Happy New Year (from someone who had
          previously given his callsign).  8-)
```

(* Approximate time.)

As I type this, I've been looking at my copy of "Tune in the World", and I may yet learn the code and get licensed in the traditional way. But having said that, let me add this:

1) I have no problem with someone coming into Ham Radio through the most recently developed route (i.e., the no-code Tech). I wish these people the best of luck.

2) In no way does 14313 represent typical ham behavior. I have yet to hear another frequency that sounds even remotely like the one I had described above.

3) The presence or absence of the knowledge of morse code is not a prerequisite for acting like an idiot on the air. Given the behavior on 14313, I don't think we have any right to claim that the no-code license holders will contribute to the deterioration of ham radio. For as far as I can tell, at least as far as 14313 is concerned, that's happening already.

Best wishes for the holiday season.

```
Sander J. Rabinowitz     | sjr@mcimail.com -or- | ARRL Associate Member
Farmington Hills, Mich.  | !sander@attmail.com  |         8-)
```

P.S. IMHO, only two or three stations were responsible for the mess
I described above.

```
From -4180144836641203809
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c3034851139d13a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-23 19:18:49 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!asuvax!anasaz!qip!
anasaz.uucp
From: john@anasaz.uucp (John Moore)
Newsgroups: rec.ham-radio
Subject: European Tone Burst for IC-24AT??
Message-ID: <5908@qip.UUCP>
Date: 23 Dec 90 17:28:39 GMT
Sender: john@qip.UUCP
Organization: Anasazi, Inc.  Phoenix, Az
Lines: 6
```

Is it possible to convert an IC-24AT to European repeater tone burst
by a diode programming change, or does it take a different board?

Please reply by email - news during the holidays here is unreliable.

Thanks.

```
From 8911708820680497556
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f188aa81eabdffb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-23 23:05:41 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!bionet!
hayes.ims.alaska.edu!acad3.alaska.edu!ftpam1
From: ftpam1@acad3.alaska.edu (MUNTS PHILLIP A)
Newsgroups: rec.ham-radio
Subject: Re: Class D/E PA's (was Re: Chebychev Filters)
Summary: Advantages of coherent DSB over AM and SSB
Message-ID: <1990Dec24.020204.14986@ims.alaska.edu>
Date: 24 Dec 90 02:02:04 GMT
References: <41662@ut-emx.uucp> <1250315@hpnmdla.HP.COM>
<1990Dec22.023015.25178@ims.alaska.edu> <1706@ke4zv.UUCP>
Sender: usenet@ims.alaska.edu (J Random USENET)
Reply-To: ftpam1@acad3.alaska.edu
Organization: University of Alaska Fairbanks
```

Lines: 60
News-Software: VAX/VMS VNEWS 1.3-4
Nntp-Posting-Host: acad3.alaska.edu

In article <1706@ke4zv.UUCP>, gary@ke4zv.UUCP (Gary Coffman) writes...
>In article <1990Dec22.023015.25178@ims.alaska.edu> ftpam1@acad3.alaska.edu
writes:
>>
>>   Consider a AM transmitter that has a Class D or E final and a switching
>>mode modulator. About half the DC in comes out as energy in the sidebands.
>>Now consider a SSB transmitter with a 50 percent efficent linear final. Half
>>its DC in comes out as power in the 1 sideband. The received signal to noise
>>ratio (neglecting QRM) will be the same for any given amount of DC power in.
>>The AM system wins because the transmitter doesn't get hot and the receiver
>>can be simpler. Fidelity is better, too. (This is all at the expense of
>>twice the transmission bandwidth, of course.)
>
>Conventional AM puts a minimum of 50% of the transmitted power in the nearly
>useless carrier and a maximum of 25% of the radiated power in a sideband with
>an equal amount in the redundant other sideband. During the frequent silent
>periods in speech the transmitter wastes 100% power in the unnecessary
>carrier. This is a very inefficient use of power even if the DC to RF
>conversion were 100% efficient. The IHF says that average speech only has
>a 12.5% duty cycle so an AM transmitter is automatically throwing away
>87.5% of it's radiated power. Suppressed carrier modulation doesn't transmit
>any power during the silent periods. That's why the old Drake transmitters could
>claim 200 watts PEP with a pair of sweep tubes, each of which had 12.5 watts
>of plate dissipation.

You can reduce the carrier level during quiet periods to accomplish the same thing with AM. National Semiconductor used to have a modulator circuit in their Linear Applications Handbook that worked this way. (I don't remember whether it was a switching or linear modulator.)

>
>The AM signal will suffer a 3 db penalty due to the wider receiver bandwidth
>allowing in twice as much noise energy. This doesn't even consider

You're right about this...

>the fact that an AM envelope detector throws away another 3 db compared to
>the product detector used for SSB.

...but the final S/N ratio is determined by the front end and IF filters, pretty much independent of the detection scheme if we are above threshold.

>However, if you use a coherent synchronous
>dectector and DSB suppressed carrier, you get a big win in signal to noise
>ratio. Noise is non-coherent and is strongly rejected by a coherent detector.
>As much as 12 db improvement over an equal power SSB signal is possible.
>About the only disadvantages of using DSB suppressed carrier with coherent
>detection are an increased susceptibility to selective fading and, of course,
>the consumption of twice the spectrum of SSB. With today's ICs it's relatively

>easy to build a top notch coherent DSB system.

Consideration of SNR as a function of DC input is pretty much an obsolete
concept unless there are stringent heat dissipation considerations, like for
example a "cubic incher" type transmitter. You have the choice of throwing
half your power away as heat or throwing half your power away as useless
carrier. If we had an 80 or 90 percent efficient SSB transmitter (maybe with
some sort of high level modulator) it would be another story. Any ideas?

Philip Munts N7AHL
NRA Extremist, etc.
University of Alaska, Fairbanks

From -1000464986416258552
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8fd9f43ed9e7a90
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-23 23:12:29 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: 14313 kHz had indeed gone to the dogs
Message-ID: <1990Dec24.014851.8801@athena.cs.uga.edu>
Date: 24 Dec 90 01:48:51 GMT
References: <1990Dec23.220604.2333@terminator.cc.umich.edu>
Organization: University of Georgia, Athens
Lines: 13

OK folks, let's make an organized effort to do some direction finding
on 14313. If people would compile logs like you just did -- with the
beam heading for each signal and the approximate signal strength --
then it would be fairly easy for the Official Observers (chez ARRL)
to "reduce the observations" into some quite clean data about who the
obnoxious operators are.

I don't have a rotatable antenna, so there's not much I can do, but
all the people with directional antennas could accomplish a lot.

This is similar to observational astronomy projects I've been involved
with, such as locating meteorites. A large number of relatively
unsophisticated observations can be very valuable. Exact times are needed.

From -751874335280547069
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c9285f150c321a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-23 23:30:27 PST
Path: gmdzi!unido!mcsun!uunet!w3vh!rolfe
From: rolfe@w3vh.UUCP (Rolfe Tessem)
Newsgroups: rec.ham-radio
Subject: Re: Thanks for the traffic...and now something really important :-)

```
Message-ID: <108@w3vh.UUCP>
Date: 24 Dec 90 02:24:00 GMT
References: <1990Dec23.194759.21773@eng.umd.edu>
Organization: W3VH Packet Radio Gateway
Lines: 28

>This is a minor nit to pick, and in no way as important as code vs. nocode
>wars... In the last year, I have noticed that there are gobs of people on
>usenet that don't know the difference between "loose" and "lose".  For the
        ====
>last time:

>    loose - (loos) as in not tight.
>    lose  - (looz) as in can't find anymore, or lost.

>That done, please disregard, and return to the inane code vs nocode wars.

>        Chuck Harris - WA3UQV
>        chuck@eng.umd.edu

This is a minor nit to pick, but I have noticed that there are gobs of people
on usenet who don't know the difference between "that" and "who".  For the
last time:

     that - inanimate object
     who - person or persons

Now, let's get back to the important issues or the day :-) :-).

--
Rolfe Tessem        | Lucky Duck Productions
rolfe@w3vh.UUCP        | 17 Saint Luke's Place
{uunet}!w3vh!rolfe  | New York, NY 10014
(413) 528-5966         | (212) 463-0029


From -2849520079714039137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,be0a1bd344aeed5c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-24 00:48:38 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Open Letter to ARRL Pres. Larry Price
Message-ID: <814.2775364B@w8grt.fidonet.org>
Date: 24 Dec 90 04:11:05 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 58


      On Decemer 13th, the FCC modified the requirements for the Technician
Class license with a code test. This bold move offers great hope to all of us
```

who are deeply concerned with the possibility that amateur radio will one day soon be crushed under the weight of the spectrum needs of other services.

I was disturbed to note, however, that you were reported to be considering asking the FCC to reconsider this action to the extent of confining the new codeless Technicians to 222 mhz and up. I consider this most unwise for the following reasons:

One basic Technician Class license with one written exam + a CW endorsement for those who want to operate on HF would be easier and cheaper for the FCC to administer.

"Ghetto-izing" the codefree Technician Class licensees provides no regulatory or technological benefit. Rather, it serves only to codify social discrimination by preventing the newcomers from coming into contact with the majority of their fellow amateur operators.

Amateur radio constitutes the United States' first National Park of the Mind, and broad, open access to that public resource will provide intellectually stimulating and spiritually refreshing benefits to the nation that narrow, inhibitory access by the privileged few cannot. I believe that that is the basic reason the FCC made its decision.

Amateur radio's greatest contributions to the state of the art occurred during the period of its early history when it was not straight-jacketed by complex regulations and licensing structures not based on compelling need. Preventing or inhibiting the freest possible exploration of the National Park of the Mind consistent with conserving its meaningful existence would tend toward reducing it to the site for historical tableaux similar to those re-enactments of medieval jousting.

There is no compelling need for creating your proposed codefree ghetto. Therefore, any request for reconsideration will doubtlessly be rejected out of hand. The only result of a Petition for Reconsideration will be to make the League look foolish.

Moreover, since the new codefree amateurs are going to revitalize the future of ham radio, resentment against the organization that attempted to cause part of the original promise to be withdrawn would no doubt result in very few of them joining the League, which would very likely become little more than the custodians for its Antique Wireless Museum.

To summarize, it's a dumb idea.

73 de Jim Grubs, W8GRT
Copies: Michael Covington, Wayne Green, Fred Maia, Don Stoner, Phil Karn, Scott Loftesness

```
---
 * Origin: HAM RADIO - The 1st National Park of the Mind! (1:234/1)

--
Jim Grubs - via the friendly folks at UUNET
```

```
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org


From -6303781291731631234
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c9285f150c321a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-24 01:14:31 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: Thanks for the traffic...and now something really important :-)
Message-ID: <1990Dec24.043350.9840@athena.cs.uga.edu>
Date: 24 Dec 90 04:33:50 GMT
References: <1990Dec23.194759.21773@eng.umd.edu> <108@w3vh.UUCP>
Organization: University of Georgia, Athens
Lines: 16

In article <108@w3vh.UUCP> rolfe@w3vh.UUCP (Rolfe Tessem) writes:
>
>This is a minor nit to pick, but I have noticed that there are gobs of people
>on usenet who don't know the difference between "that" and "who".  For the
>last time:
>
>    that - inanimate object
>    who - person or persons

Er... that's not how it works.
  "who" refers to people only;
  "which" refers to non-people only;
  "that" refers to either kind.

73 de N4TMI
(Michael Covington, Ph.D. [Linguistics])


From -5970853956134403600
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bf25ab7b36130079,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 13ce86,bf25ab7b36130079,start
X-Google-Attributes: gid13ce86,public
X-Google-ArrivalTime: 1990-12-24 02:54:48 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!att!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio,fido.ham-radio
Subject: AMSAT NEWS
Message-ID: <1952@n8emr.UUCP>
Date: 23 Dec 90 22:46:47 GMT
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 386
Xref: gmdzi rec.ham-radio:18412
```

===

This file available from N8EMR's Ham BBS,

614-895-2553 1200/2400/9600/V.32/PEP/MNP5

===

Posted: Sun, Dec 16, 1990   7:54 AM GMT   Msg: IGJA-4516-8553
From: CDUNCAN
To: is
CC: w1aw, bpasternak, ans
Subj: ANS$349

SB ALL @ AMSAT $ANS-349.01
SAREX RELATED QRM INQUIRY

HR AMSAT NEWS SERVICE BULLETIN 349.01 FROM AMSAT HQ
SILVER SPRING, MD DECEMBER 15, 1990
TO ALL RADIO AMATEURS BT

Information Needed On SAREX QRMing Of Terrestrial Operations on 144.950 MHz

After a highly successful Shuttle Amateur Radio Experiment (SAREX) on the recent STS-35 ASTRO-1 mission, AMSAT-NA officials would like to assess the effect this SAREX mission had on the users of packet radio DX clusters and other services which use 144.950 MHz. During the flight of STS-35, WA4SIR's packet station was set up to operate on the 2M split-frequency combination of 145.550/144.950 MHz. This frequency arrangement was choosen so that those with simple 2 meter FM packet stations with only 600 KHz split option would still have a chance to make a contact and receive a QSL card from WA4SIR. At the final "tally," this strategy seemed to have worked well as over 1800 stations had made packet contact with WA4SIR.

But before the flight of STS-35 began, AMSAT-NA and ARRL officials became aware of numerous protests in the amateur radio community to the use of 144.950 MHz for the uplink to SAREX. Subsequently, a set of guidelines and suggested operating procedures were drawn up and published in the AMSAT News Service (ANS) bulletins to help reduce the QRM on 144.950 MHz when STS-35 was overhead. Now Doug Loughmiller (KO5I), AMSAT-NA President and General Manager would like to hear from the "Sys Ops," users of packet DX clusters, and other 144.950 occupants about any QRM problems they faced during the nine day SAREX mission and how well the AMSAT guidelines were followed. Please send your comments and observations to:

Doug Loughmiller, KO5I
AMSAT-NA President & GM

P.O. Box 247
Brookston, TX
75421

/EX
SB ALL @ AMSAT $ANS-349.02
MIR OPERATIONS UPDATE

HR AMSAT NEWS SERVICE BULLETIN 349.02 FROM AMSAT HQ
SILVER SPRING, MD DECEMBER 15, 1990
TO ALL RADIO AMATEURS BT

Off to a Slow Start, but Expectations are High

Amateur Radio Operation from the Soviet Space Station MIR has been erratic since Musa, U2MIR, has been extremely busy tending to his duties aboard MIR. During a QSO with Hans, ZS6AKV, Musa apologized that he was very busy and didn't have much time for Amateur Radio right now. Musa did say that packet operation should commence soon after the launch of the Progress-M6 supply ship which will transport the packet experiment equipment. Progress is due for liftoff on 15 Jan from Baikonur and slated for docking on 17 Jan. Any slip in the launch of Progress will obviously delay the commencement of packet operations. It is expected that it will take a few days for Musa to complete the integration of the packet experiment with the existing 2 meter FM transceiver onboard.

Hopes for an expected QSO between Musa in MIR and Ron Parise in Columbia were dashed when the Shuttle orbiter was brought home a full day earlier than scheduled due to landing strip weather constraints. It is unclear at this time whether Musa will still be on MIR when the STS-37 Mission and its crew of FIVE Amateur Radio operators, who also happen to be astronauts, will be launched. The STS-37 launch is scheduled for the spring of 1991.

[ANS thanks Ed O'Grady, KE2VC, and Hans ZS6AKV for the information for this Bulletin]

/EX
SB ALL @ AMSAT $ANS-349.03
STS-35 SAREX A MAJOR SUCCESS

HR AMSAT NEWS SERVICE BULLETIN 349.03 FROM AMSAT HQ
SILVER SPRING, MD DECEMBER 15, 1990
TO ALL RADIO AMATEURS BT

STS-35 SAREX Mission A Major Success; STS-37 To Carry Five Hams In May '91

Less than a week after the STS-35 SAREX mission AMSAT-NA officials are declaring the SAREX portion of the flight to be a major success. Over 1800 radio amateurs around the world were able to make a packet radio contact with WA4SIR. In addition to the fun generated by a "space-mobile" station, hundreds of elementry school children were thrilled by the chance to talk with Ron Parise and ask questions about life in space through amateur radio relay stations in Australia and Brazil. For those who made a contact with WA4SIR and would like to receive a beautiful QSL card, send your QSL to ARRL HQ (225 Main Street, Newington, Ct, 06111) along with an S.A.S.E, ATTENTION: Education Activities Dept., and you will have a return QSL card on the way to you soon. Once the log of contacts has been retrieved by Johnson Space Center Amateur Radio Club (JSC ARC), the complete list of calls from the SAREX mission will be re-printed in the AMSAT Journal.

On the next scientific shuttle mission, STS-37, there will be FIVE licensed amateur operators aboard; the ENTIRE shuttle crew for this flight are hams! They are: Ken Cameron (KB5AWP), Jay Apt (N5QWL), Lynda Godwin (N5RAX), Steve Nagel (N5RAW), and Jerry Ross who recently passed his Novice exam but has not yet received his call. This SAREX mission will have an upgraded station which should include fast-scan ATV. ATV enthusiasts can look forward to uplinking their famous "ham-station" pictures to this flying "hamvention." Look for further information from the AMSAT News Service (ANS) as more information becomes available about STS-37.

/EX
SB ALL @ AMSAT $ANS-349.04
MIICROSAT UPDATE

HR AMSAT NEWS SERVICE BULLETIN 349.04 FROM AMSAT HQ
SILVER SPRING, MD DECEMBER 15, 1990
TO ALL RADIO AMATEURS BT

AMSAT Engineering Team issues Microsat Status dated 12/14/90

Not much happened this week, as business commitments (real jobs!) and Christmas shopping cut into the Microsat staff's available work hours. Several microsat controllers were away on trips; the spacecraft were being monitored properly, but the redundancy we like to have when uploading new software was not available.

All four spacecraft are in a stable condition, sending PHT telemetry. LO-19 and AO-16 are available for digipeating, and the WEBERSAT crew continues to experiment with attitude determination methods and iris settings. Several new test images are downlinked each week.

WO-18 seems to have at least two different stable spin modes, although the exact mechanism for changing from one to the other remains unclear. In the last several weeks, it has gone to a much slower spin rate than the rate it was spinning immediately after launch. This has reduced the number of times each day that the geometry between the camera and the earth is optimum for imaging. Part of the problem is in determining how to tell (using the horizon sensor and array currents) when the geometry IS right.

The AO-16 power management problem that cropped up early last week has been resolved, and the spacecraft is happily running its new algorithm.

The problems that took the AO-16 BBS out of service two weeks ago have been identified. Jeff Ward at Surrey has made some fixes and implemented the "last" major feature, UO-14 has been reloaded and is being tested. Harold Price is fixing a problem with the AX.25 driver, and will reload AO-16 shortly.

Jeff Ward and Harold Price, the BBS developers, ask that users who are writing their own FTL0 interface programs refrain from mass distribution of those programs to others until they certify that the spacecraft software is ready. The easiest way to control access to the flight BBS during this last test phase is to have a small set of beta testers. You should feel free to continue your own testing with the live spacecraft, and report any problems you encounter. You will be able to release your software at the same time we release the spacecraft for general use. The current plan calls for this to occur around Dec 25. Merry Christmas!

[ANS thanks Harold Price, NK6K, for the information for this bulletin]

/EX
SB ALL @ AMSAT $ANS-349.05
WEBERSAT-OSCAR-18 UPDATE

HR AMSAT NEWS SERVICE BULLETIN 349.05 FROM AMSAT HQ
SILVER SPRING, MD DECEMBER 15, 1990
TO ALL RADIO AMATEURS BT

WEBERSAT-OSCAR-18 (WO-18) Update From Weber State University: December 7, 1990

In the past week, a few new things have been learned about the performance of WO-18. First and foremost, the present rotation of the spacecraft about its Z-axis is one revolution approximately every 21 minutes. This is a drastically slower rate than what was expected before launch. There is as yet no explanation of why the rotation slowed from its immediate post-launch value of one revolution-per-minute (1 RPM). We are not convinced the present rate will be the final rotation profile of the spacecraft. Evidence is accumulating that a future reversal of rotation direction is not likely, i.e., the rotation rate is not slowing linearly. In fact, there has been little change in the Z-axis rotation rate in the last two weeks.

Despite the decreased rotation and its negative impact on low latitude photo opportunities, we have continued to attempt experiments with varied iris parameters during earth imaging. On a daily basis, we typically attempt about 6 to 7 photos (the number of equator crossings between day and night passes at WSU) of the Earth with different parameter adjustments.

Listeners in the U.S. may often hear transitions from one transmitted photo to the next as we examine the results of each experiment. When interesting photos are obtained, we will notify the user community through the usual media and leave that photo transmitting from WO-18 for several days.

We are continuing to process standard TLM and Whole Orbit Data (WOD) for a complete archive file. Reid Bristor is sending his AMSAT archived data to add to ours. We have added features to our decode program that provides plotting capability. If WO-18 users are interested in this program and other software we are working on in data analysis, we could spend some effort making these tools more user friendly and distribute them to users through the AMSAT-NA Software Exchange.

/EX
SB ALL @ AMSAT $ANS-349.06
FCC CODELESS LICENSE ACTION

HR AMSAT NEWS SERVICE BULLETIN 349.06 FROM AMSAT HQ
SILVER SPRING, MD DECEMBER 15, 1990
TO ALL RADIO AMATEURS BT

Morse Code Requirement Removed from FCC Technician Class Amateur License

In an action by the FCC on December 13, 1990, the Morse Code testing requirement for the Technician class amateur license was removed. This change in requirement could take effect as soon as February 1991.

Those obtaining Technician licenses after the rules change will have full amateur privileges above 30 MHz but will not be allowed to use the Novice/Technician allocations below 30 MHz unless they pass the 5 WPM code test now required of both Novices and Technicians. There will be no special callsign groups or other distinction between Technicians licensed for operation below 30 MHz and those "code free" Technicians restricted to VHF and above aside from FCC and VEC records.

The Novice license is unaffected by this action and existing Technician licensees will be "grandfathered" into the new system. The codeless Technician written examination will have 55 questions.

AMSAT, under the leadership of its Board of Directors, has been a supporter of the no-code concept although this ruling is somewhat different from the proposal and comments submitted officially by AMSAT. Many active satellite operators from Europe, Australia, and other countries are holders of no-code licenses similar to the type soon to become available in the U.S. due to this action. It is AMSAT's hope and desire that many new licensees who have previously found the universal Morse code requirement unsuited to their needs and tastes will be brought into the Amateur Radio Service and that many of these will be attracted into the Radio Amateur Satellite Service by the interesting technical and operational challenges inherent in our type of activity.

[ANS thanks W4RI and the ARRL for the information in this bulletin.]

/EX
SB ALL @ AMSAT $ANS-349.07
ZRO TEST SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 349.07 FROM AMSAT HQ
SILVER SPRING, MD DECEMBER 15, 1990
TO ALL RADIO AMATEURS BT

Schedule of ZRO Tests, Fall Edition

The following schedule of Mode "B" and "JL" ZRO tests were chosen for convenient operating times and favorable squint angles. The "B" tests can be heard on 145.840 MHz and the "JL" test on 435.945 MHz.:

Saturday December 22, 1990 at 0530 UTC "B"
Saturday December 22, 1990 at 0645 UTC "JL"

Note that the dates and times are noted in "UTC." The tests on December 22nd occur late Friday night for those in North America. Any changes will be announced as soon as possible via the AMSAT HF and AO-13 Operations Nets as well as ANS. Recently updated ZRO brochures are available from WA5ZIB, Andy MacAllister, AMSAT V.P. User Operations, 14714 Knightsway Drive, Houston, TX 77083 for an S.A.S.E. with two units of postage. The brochure describes test procedures and means for obtaining certificates and gives some historical background about the program.

All listener reports with date of test and numbers copied should be sent to WA5ZIB at the address above. A report will be returned verifying the level of accurate reception. Good luck!

/EX
SB ALL @ AMSAT $ANS-349.08
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 349.08 FROM AMSAT HQ
SILVER SPRING, MD DECEMBER 15, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times.Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date	Phs	mode	UTC	NCS	Alt.	U.S. day
29 Dec 90	206	B	1500	KA5SMA	WB9ANQ	Saturday
05 Jan 91	214	B	1900	WD0E	WA5ZIB	Saturday
13 Jan 91	99	B	0500	WB6LLO	N5BF	Saturday
19 Jan 91	210	B	1445	WB9ANQ	KA5SMA	Saturday
26 Jan 91	211	B	1830	WA5ZIB	WD0E	Saturday

Jim White (WD0E) is scheduled to discuss Pacsat file server ground software operation with the net on 29 December 90. He and others on the pacsat test team will be available on nets through the Pacsat operational release period to assist new users.

John Champa (K8OCL), AMSAT-NA Executive VP will discuss AMSAT participation in advanced projects such as the World Space Foundation Solar Sail, Lunar Polar Prospector, and SEDSAT (supported by the Detroit Oscar User's Group) during the net session on 13 January 91.

Roy Welch (W0SL) will discuss his new job as AMSAT Software Exchange Manager and what this means in terms of improved software user support during the 26 January 91 session.

It is the intention of the Operations Net management to have guest speakers approximately every other week to provide up-to-the-minute information on topics of interest (such as Microsat ground station software, AMSAT Software Exchange,and WARC 92). As guest speakers and topics are confirmed they will be published in ANS.

Nets are scheduled for North American geographic coverage and time zones although other parts of the world are often within the footprint and check-ins from everywhere are welcome. Those who don't have adequate and convenient coverage from this net are encouraged to schedule their own nets via AO-13. Consider moving some of your HF AMSAT Net sessions to the satellite or retransmitting nets from one to the other! Write to AMSAT Headquarters or send a note to N5BF @ WB6YMH with your schedule to have it included in ANS.

For information on the amateur satellite program and how you can participate, contact AMSAT-NA Headquarters at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062, or contact your local AMSAT Area Coordinator.

/EX
SB ALL @ AMSAT $ANS-349.09
FALL AO-13 TRANSPONDER SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 349.09 FROM AMSAT HQ
SILVER SPRING, MD DECEMBER 15, 1990
TO ALL RADIO AMATEURS BT

The transponder schedule for AO-13 is as follows:

Mode-B : MA 000 to MA 095
Mode-JL: MA 095 to MA 125
Mode-LS: MA 125 to MA 130
Mode-S : MA 130 to MA 135
Mode-BS: MA 135 to MA 140 <--- QRP on Mode B Please
Mode-B : MA 140 to MA 256
Omnis : MA 232 to MA 040

This schedule is expected to continue through 26 Dec 90.

Magnetorquing operation is expected to take place the week of 24 Dec 90. This operation takes place during the portion of the orbit closest to perigee (MA 000) and is done primarily to reorient the spacecraft for improved solar panel illumination. During magnetorquing, the transponders will be off (typically between MA 220 and MA 60. Once magnetorquing has been completed, a new Transponder Schedule will be published by the AO-13 Command Station Team and it will be published here in ANS.

The command team requests that you make a specific effort to use QRP on Mode B between MA 135 to 140. This is specifically to help those people experimenting with Mode S. (Although you really should always keep checking that your peak signal is never stronger than the beacon (145.813/435.651 MHz)

The spacecraft attitude of AO-13 is calculated to be:

BLON = 179.7 and BLAT = -3.3 for 17 December 90

AMSAT-OSCAR-10 appears to be receiving sufficient solar panel illumination to support Mode-B transponder operations. The transponder may be used, carefully, at all points of the orbit except MA 254 - 006 when eclipses occur. If beacon or transponder signals show signs of FMing, users should cease all transponder use immediately. An APPROXIMATION of the spacecraft attitude for AO-10 is :

BLON = 4.0   and BLAT = 0.0 for 15 December 90

/EX

Command?

From -4100403428358666767
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,534c03c17979c9bb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,534c03c17979c9bb,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-12-24 02:55:32 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!udel!princeton!njin!rutgers!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: * SpaceNews 24-Dec-90 *
Keywords: MIR, DOVE
Message-ID: <388@ka2qhd.UUCP>
Date: 24 Dec 90 00:31:27 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 80
Xref: gmdzi rec.ham-radio:18413 sci.space:18563

SB SPACE @ ALLBBS < KD2BD $SPC1224
* SpaceNews 24-Dec-90 *

Bulletin ID: $SPC1224

=========
SpaceNews
=========

MONDAY DECEMBER 24, 1990

SpaceNews originates at KD2BD in Wall Township, New Jersey, United States.

It is published every week and is made available for unlimited distribution.

* MIR NEWS *

U2MIR has once again become active from the Mir space station complex. Musa Manarov, the Amateur Radio operator presently on board Mir has been quite busy with his activities on the space station, so he hasn't had much time to make many radio contacts. Packet radio operations are expected to commence soon after Progress-M6 carries a packet radio TNC to Mir. The launch of Progress-M6 is expected on 15-Jan-91, and docking will occur with Mir on 17-Jan-91.

* DOVE NEWS *

DOVE-1/OSCAR-17 still has not been reloaded with new software. After the holidays, it is hoped that DOVE will be reset and reloaded with new operating software that will allow the spacecraft to transmit messages consisting of digitized speech.

* TNX QSL! *

A special thanks to all those who sent QSLs, cards and letters to SpaceNews:

KA1ULT: Justin Hughes, Harvard, Massachusetts, U.S.A.
KC2DU : John Spoonhower, Webster, New York, U.S.A.
N2FTR : Andy Schmidt, Poughkeepsie, New York, U.S.A.
W2DTC : Ken Barber, Red Bank, New Jersey, U.S.A.
K3ITH : Dick Stewart, Audubon, Pennsylvania, U.S.A.
VE3BRO: Dennis Eason, Scarborough, Ontario, Canada
WA6FUH: Ward Hill, Ridgecrest, California, U.S.A.

...and e-mail messages:

DG1JL, HB9OAB, KZ1Z, KJ6FY, KK6ML, KC8UR, ON1GD, PI8DAZ, WB9LOZ

* FEEDBACK WELCOMED *

Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

INTERNET : kd2bd@ka2qhd.de.com
PACKET : KD2BD @ NN2Z.NJ.USA.NA
UUCP : ...uunet!rutgers!ka2qhd!kd2bd

MAIL : John A. Magliacane, KD2BD
Department of Electronics Technology
Advanced Technology Center
Brookdale Community College

765 Newman Springs Road
Lincroft, New Jersey 07738
U.S.A.

<< Merry Christmas and Happy New Year Everyone!! >>

/EX
--
```
John A. Magliacane                FAX  : (908) 747-7107
Electronics Technology Department  AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College        UUCP : ...!rutgers!ka2qhd!kd2bd
Lincroft, NJ  07738  USA           VOICE: (908) 842-1900 ext 607
```

From 8064033825794824609
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bf25ab7b36130079
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 13ce86,bf25ab7b36130079
X-Google-Attributes: gid13ce86,public
X-Google-ArrivalTime: 1990-12-24 02:56:13 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio,fido.ham-radio
Subject: AMSAT NEWS
Message-ID: <1953@n8emr.UUCP>
Date: 23 Dec 90 22:47:39 GMT
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 351
Xref: gmdzi rec.ham-radio:18414

==

This file available from N8EMR's Ham BBS,

614-895-2553 1200/2400/9600/V.32/PEP/MNP5

==

Posted: Sun, Dec 16, 1990   2:16 PM GMT   Msg: NGJA-4517-1556
From: DCAMPBELL
To: is
Subj: ORBS$350

SB ALL @ AMSAT $ORBS-350.O
Orbital Elements   350.OSCAR

```
HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES
FROM N3FKV HEWITT, TX      DECEMBER 16, 1990
TO ALL RADIO AMATEURS BT

Satellite: AO-10
Catalog number: 14129
Epoch time:      90345.35381236
Element set:     626
Inclination:       25.9958 deg
RA of node:       171.0079 deg
Eccentricity:    0.5963157
Arg of perigee:   199.5305 deg
Mean anomaly:     121.1674 deg
Mean motion:    2.05879379 rev/day
Decay rate:       4.10e-07 rev/day^2
Epoch rev:            2838

Satellite: UO-11
Catalog number: 14781
Epoch time:      90345.58678006
Element set:     888
Inclination:       97.9287 deg
RA of node:        32.1728 deg
Eccentricity:    0.0013632
Arg of perigee:    48.0180 deg
Mean anomaly:     312.2223 deg
Mean motion:   14.65956645 rev/day
Decay rate:      1.651e-05 rev/day^2
Epoch rev:           36195

Satellite: RS-10/11
Catalog number: 18129
Epoch time:      90346.02255192
Element set:     457
Inclination:       82.9263 deg
RA of node:       197.1349 deg
Eccentricity:    0.0011664
Arg of perigee:   352.9020 deg
Mean anomaly:       7.1991 deg
Mean motion:   13.72130082 rev/day
Decay rate:       3.54e-06 rev/day^2
Epoch rev:           17383

Satellite: AO-13
Catalog number: 19216
Epoch time:      90317.50267394
Element set:     224
Inclination:       56.9436 deg
RA of node:       126.0467 deg
Eccentricity:    0.7064813
Arg of perigee:   240.2087 deg
Mean anomaly:      32.9306 deg
Mean motion:    2.09704510 rev/day
Decay rate:      -2.01e-06 rev/day^2
Epoch rev:            1853

Satellite: FO-20
Catalog number: 20480
Epoch time:      90342.50812291
Element set:     175
Inclination:       99.0206 deg
RA of node:       355.9596 deg
Eccentricity:    0.0541329
Arg of perigee:    13.6729 deg
Mean anomaly:     347.8397 deg
Mean motion:   12.83164705 rev/day
Decay rate:      -4.00e-07 rev/day^2
Epoch rev:            3910

/EX
SB ALL @ AMSAT  $ORBS-350.D
Orbital Elements   350.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS
FROM N3FKV HEWITT, TX      DECEMBER 16, 1990
TO ALL RADIO AMATEURS BT

Satellite: UO-14
Catalog number: 20437
Epoch time:      90342.69781353
Element set:     280
Inclination:       98.6885 deg
RA of node:        58.1836 deg
Eccentricity:    0.0011966
Arg of perigee:     7.6736 deg
Mean anomaly:     352.4657 deg
Mean motion:   14.28807581 rev/day
Decay rate:       4.15e-06 rev/day^2
Epoch rev:            4578

Satellite: AO-16
Catalog number: 20439
Epoch time:      90343.65549854
Element set:     179
Inclination:       98.6920 deg
RA of node:        59.3493 deg
Eccentricity:    0.0012163
Arg of perigee:     6.5417 deg
Mean anomaly:     353.5932 deg
Mean motion:   14.28907066 rev/day
Decay rate:       4.20e-06 rev/day^2
Epoch rev:            4592

Satellite: DO-17
Catalog number: 20440
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Epoch time:      90345.11570374
Element set:     179
Inclination:       98.6920 deg
RA of node:        60.8292 deg
Eccentricity:    0.0012186
Arg of perigee:     2.2871 deg
Mean anomaly:     357.8374 deg
Mean motion:   14.28967318 rev/day
Decay rate:       4.75e-06 rev/day^2
Epoch rev:            4613

Satellite: WO-18
Catalog number: 20441
Epoch time:      90343.41340008
Element set:     179
Inclination:       98.6918 deg
RA of node:        59.1701 deg
Eccentricity:    0.0012799
Arg of perigee:     7.2749 deg
Mean anomaly:     352.8658 deg
Mean motion:   14.29044469 rev/day
Decay rate:       3.97e-06 rev/day^2
Epoch rev:            4589

Satellite: LO-19
Catalog number: 20442
Epoch time:      90343.18776259
Element set:     180
Inclination:       98.6919 deg
RA of node:        58.9820 deg
Eccentricity:    0.0013137
Arg of perigee:     7.7771 deg
Mean anomaly:     352.3645 deg
Mean motion:   14.29116875 rev/day
Decay rate:       4.19e-06 rev/day^2
Epoch rev:            4586

/EX
SB ALL @ AMSAT  $ORBS-350.M
Orbital Elements   350.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES
FROM N3FKV HEWITT, TX      DECEMBER 16, 1990
TO ALL RADIO AMATEURS BT

Satellite: SALYUT 7
Catalog number: 13138
Epoch time:      90345.92936797
Element set:     675
Inclination:       51.5943 deg
RA of node:       111.1683 deg
Eccentricity:    0.0002232
Arg of perigee:   281.1822 deg
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Mean anomaly:      78.9555 deg
Mean motion:   15.89855948 rev/day
Decay rate:     1.7607e-03 rev/day^2
Epoch rev:           49284

Satellite: MIR
Catalog number: 16609
Epoch time:      90345.63951699
Element set:     141
Inclination:       51.6085 deg
RA of node:       156.7678 deg
Eccentricity:    0.0024390
Arg of perigee:   354.5589 deg
Mean anomaly:       5.5140 deg
Mean motion:   15.60135254 rev/day
Decay rate:     1.9955e-04 rev/day^2
Epoch rev:           27581

Satellite: HUBBLE
Catalog number: 20580
Epoch time:      90345.66622568
Element set:     360
Inclination:       28.4705 deg
RA of node:       199.5429 deg
Eccentricity:    0.0006140
Arg of perigee:   172.1439 deg
Mean anomaly:     187.9188 deg
Mean motion:   14.85702744 rev/day
Decay rate:      4.641e-05 rev/day^2
Epoch rev:            3438

/EX
SB ALL @ AMSAT  $ORBS-350.W
Orbital Elements   350.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM N3FKV HEWITT, TX      DECEMBER 16, 1990
TO ALL RADIO AMATEURS BT

Satellite: NOAA-9
Catalog number: 15427
Epoch time:      90342.21677634
Element set:     680
Inclination:       99.1720 deg
RA of node:       346.1591 deg
Eccentricity:    0.0014402
Arg of perigee:   239.2350 deg
Mean anomaly:     120.7405 deg
Mean motion:   14.12746314 rev/day
Decay rate:       3.83e-06 rev/day^2
Epoch rev:           30855

Satellite: NOAA-10
```

```
Catalog number: 16969
Epoch time:      90343.97109153
Element set:     529
Inclination:       98.5842 deg
RA of node:         7.8658 deg
Eccentricity:    0.0014357
Arg of perigee:   116.8421 deg
Mean anomaly:     243.4245 deg
Mean motion:   14.23819934 rev/day
Decay rate:       4.25e-06 rev/day^2
Epoch rev:           21962

Satellite: MET-2/17
Catalog number: 18820
Epoch time:      90345.63345692
Element set:     436
Inclination:       82.5437 deg
RA of node:       209.3887 deg
Eccentricity:    0.0015873
Arg of perigee:   182.4631 deg
Mean anomaly:     177.6452 deg
Mean motion:   13.84401646 rev/day
Decay rate:       1.78e-06 rev/day^2
Epoch rev:           14473

Satellite: MET-3/2
Catalog number: 19336
Epoch time:      90345.51822184
Element set:     685
Inclination:       82.5416 deg
RA of node:       151.9792 deg
Eccentricity:    0.0015950
Arg of perigee:   231.3061 deg
Mean anomaly:     128.6662 deg
Mean motion:   13.16905954 rev/day
Decay rate:      -3.00e-08 rev/day^2
Epoch rev:           11429

Satellite: NOAA-11
Catalog number: 19531
Epoch time:      90345.92192797
Element set:     434
Inclination:       99.0058 deg
RA of node:       294.6305 deg
Eccentricity:    0.0012669
Arg of perigee:   140.2733 deg
Mean anomaly:     219.9371 deg
Mean motion:   14.11823818 rev/day
Decay rate:       7.60e-06 rev/day^2
Epoch rev:           11404

Satellite: MET-2/18
Catalog number: 19851
```

```
Epoch time:      90345.36256402
Element set:     386
Inclination:       82.5190 deg
RA of node:        87.3058 deg
Eccentricity:    0.0013059
Arg of perigee:   227.1251 deg
Mean anomaly:     132.8814 deg
Mean motion:   13.84032706 rev/day
Decay rate:       1.90e-06 rev/day^2
Epoch rev:            9007

Satellite: MET-3/3
Catalog number: 20305
Epoch time:      90345.68565264
Element set:     282
Inclination:       82.5535 deg
RA of node:        92.8287 deg
Eccentricity:    0.0015097
Arg of perigee:   244.7725 deg
Mean anomaly:     115.1837 deg
Mean motion:   13.15863618 rev/day
Decay rate:      -4.52e-06 rev/day^2
Epoch rev:            5429

Satellite: MET-2/19
Catalog number: 20670
Epoch time:      90345.51015231
Element set:     135
Inclination:       82.5429 deg
RA of node:       147.9136 deg
Eccentricity:    0.0015509
Arg of perigee:   145.5640 deg
Mean anomaly:     214.6521 deg
Mean motion:   13.83882615 rev/day
Decay rate:       1.29e-06 rev/day^2
Epoch rev:            2304

Satellite: FY-1/2
Catalog number: 20788
Epoch time:      90345.60060508
Element set:      78
Inclination:       98.9357 deg
RA of node:        18.0668 deg
Eccentricity:    0.0010604
Arg of perigee:   349.3881 deg
Mean anomaly:      10.7061 deg
Mean motion:   14.00596213 rev/day
Decay rate:       3.64e-06 rev/day^2
Epoch rev:            1394

Satellite: MET-2/20
Catalog number: 20826
Epoch time:      90345.80510712
```

```
Element set:      85
Inclination:       82.5242 deg
RA of node:        86.9164 deg
Eccentricity:    0.0014815
Arg of perigee:    47.2945 deg
Mean anomaly:     312.9461 deg
Mean motion:   13.83245529 rev/day
Decay rate:       1.87e-06 rev/day^2
Epoch rev:            1030

/EX

Command?
```

```
From -4933081733130106814
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bf25ab7b36130079
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 13ce86,bf25ab7b36130079
X-Google-Attributes: gid13ce86,public
X-Google-ArrivalTime: 1990-12-24 02:57:20 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio,fido.ham-radio
Subject: AMSAT NEWS
Message-ID: <1954@n8emr.UUCP>
Date: 24 Dec 90 01:11:34 GMT
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 374
Xref: gmdzi rec.ham-radio:18415
```

==

This file available from N8EMR's Ham BBS,

614-895-2553 1200/2400/9600/V.32/PEP/MNP5

==

AMSAT News bulletin (12-23-90)

****
****

Posted: Sun, Dec 23, 1990 8:51 AM GMT Msg: FGJA-4524-5034
From: CDUNCAN
To: is
CC: bpasternak, w1aw, ans
Subj: ANS$356

SB ALL @ AMSAT $ANS-356.01
UO-14 UPDATE

HR AMSAT NEWS SERVICE BULLETIN 356.01 FROM AMSAT HQ
SILVER SPRING, MD DECEMBER 22, 1990
TO ALL RADIO AMATEURS BT

UoSAT-OSCAR-14 File Server Available for Access

After final testing of groundstation and spacecraft software by the beta testers, the UO-14 File Server 'PBBS' is been released for general access. Any suitably equipped stations are welcome to use the system. The UO-14 Engineering Team encourages users to report their early experiences of UO-14 BBS operations. They are particularly interested in hearing how you have connected 9600 baud FSK modems to various radios.

UO-14 is currently broadcasting a file containing groundstation client software for IBM-PC compatible computers; users who are already receiving the PACSAT Broadcast Protocol transmissions can 'bootstrap' themselves simply by receiving this broadcast. The file, number 791, is a .ZIP file containing PG.EXE and associated documentation. This file will also be posted on Compuserve and will migrate to other information sources. If you are not already using the PACSAT Broadcast Protocol, make sure to get the PACSAT File Header utility programs PFHADD.EXE and PHS.EXE as well as PG.EXE. The G0/K8KA groundstation software works on both AO-16 and UO-14. As updated versions of the PACSAT Protocol Suite are released, they will be carried as files on the satellites themselves in the same way that file 791 is carried now. The AMSAT Software Exchange is making copies available of this and other PACSAT related software via AMSAT Headquarters.

You MUST have proper groundstation software before you can access the UO-14 or AO-16 file servers. The PACSAT Protocol Suite has been specified and widely published. At least two software authors (other than G0/K8KA) have used these specifications and written groundstation client software for the IBM; Implementations for other popular computers should follow in the New Year.

[ANS thanks Jeff W Ward, G0/K8KA for the information for this bulletin]

/EX
SB ALL @ AMSAT $ANS-356.02
MICROSAT UPDATE

HR AMSAT NEWS SERVICE BULLETIN 356.02 FROM AMSAT HQ
SILVER SPRING, MD DECEMBER 22, 1990
TO ALL RADIO AMATEURS BT

Microsat Engineering Team Status Report as of 12/21/90

SUMMARY:

AO-16 - sending PHT telemetry, file system running for beta test.
DO-17 - sending PHT telemetry, no other changes.
WO-18 - sending PHT telemetry, dark image testing.
LO-19 - sending PHT telemetry, being reloaded.

FILE SYSTEM: We have again loaded what we hope is the final version of the first general release of the file system. UO-14 has also been reloaded. This latest reload was caused by a bug that was added while fixing several other bugs.

Jeff Ward, G0/K8KA, has also made some tweaks to the final version of the general release of PG. It is currently on UO-14, and we'll start it broadcasting from AO-16 this weekend. It will be compressed with ZIP. PB, the broadcast receiver, has been available on CIS for several weeks, and is available on several other BBS systems. The first version of PG was released on CIS and via UO-14 on 12/19/90.

UO-14 has already been released for general access. We want to do one more round of beta-tester access on AO-16 before exposing it to the masses. The previous bug was found quickly because each of the beta testers sent in their PG.LOG file which was matched to the post-mortem dump taken from AO-16. The next target for AO-16 release is Dec 24, provided there are no further problems.

If you get a copy of PG, do not try to use it on AO-16 until you see a specific message announcing that AO-16 is available for general use. You will need a special command in the PG.CFG file to access AO-16 and this command will not be documented until AO-16 is available for general use.

TELEMETRY: The diagnostic "wash" status message has been removed in this upload. The edac error counter now appears in the status message, in status[17]. This status cell was previously unused. We have done this to reduce the overhead on the downlink.

AO-16: The AO-16 BBS was restarted on 21 DEC 90 at 19:14 UTC. At this writing, it has survived three passes over the US with a reasonable load. WD0E, WB9ANQ, N4HY, and NK6K generated 290 activity log entries, activities like logon, logoff, directory, upload, and download. We will continue testing with a limited number of beta users, if all goes well, AO-16 should be open for general use in a few days. The more discriminating users will notice that the AO-16 downlink, when broadcasting, is different than it has been in the past. This version of the BBS uses only one buffer for the broadcast output queue, the previous version used three. That meant that, even during slow operations like an upload file close, when the entire file is scanned and the header checksum is computed, there were enough buffers for the DMA to keep the transmitter busy. With only one buffer, there will be occasional gaps for as much as a few seconds. The number of broadcast buffers may be increased in the next version, this version is an experiment to see how much free memory is available in the minimum configuration. Aside from causing the developer's hearts to miss a beat, the pauses are not a problem.

DO-17: Now that the AO-16 BBS software is stabilizing, attention is turning to DOVE. N4HY is to begin preparing a special loader for DOVE shortly.

WO-18: There have been no operational changes to WO-18 this week. The WEBERSAT command station has been downloading various dark side images this week to gather information on minor CCD defects which can be subtracted from normal images. They are also attempting to see if, with sufficient post-processing, stars can be discerned.

LO-19: LUSAT was reset to the ROM and rebooted early on 22 DEC 90 UTC in preparation for loading the BBS. The BBS code will be loaded from the LUSAT command station in Argentina. There is no announced date for general availability of the LO-19 BBS.

The following recommendations for TNC parameters are made for use with the AO-16 BBS.

Set FRACK to 6. Set MAXFRAME to 1.

These settings are compatible with the multi-user 1200 baud downlink.

ACTIVITY LOG: The following request is made by G0/K8KA for UO-14 and by NK6K for AO-16. Please do not download the activity log files (ALyymmdd). They are very large now, primarily for use in debugging, and several downloads per pass is inefficient. The previous day's AL file will be put in the broadcast rotation. A program to display the file will also be broadcast.

[ANS thanks Harold Price, NK6K, for the information for this bulletin]

/EX
SB ALL @ AMSAT $ANS-356.03
BADR DECAYS

HR AMSAT NEWS SERVICE BULLETIN 356.03 FROM AMSAT HQ
SILVER SPRING, MD DECEMBER 22, 1990
TO ALL RADIO AMATEURS BT

Pakistani 'Amateur' Satellite Re-enters Earth's Atmosphere.

A Pakistani satellite launched by the People's Republic of China earlier this year re-entered the Earth's Atmosphere either late on 8 December 90 or early on 9 December 90. The satellite, dubbed BADR, had an output frequency of 145.825 MHz, a frequency also used by UO-11 and DO-17. It was never quite understood why the Pakistani Government assigned the 145.825 MHz output frequency when there was no amateur transponder on-board or any published telemetry information which might have been of use to the Amateur Service.

Below is a beginning and ending snapshot of selected orbital paramaters of BADR

1990 DAY	PERIGEE (KM)	APOGEE (KM)	ECCEN- TRICITY	PERIOD (MIN)	DECAY	MEAN MOTION (ORBITS/DAY)

```
=======================================================================
219.0     203.6     934.8    0.0526     96.05   0.0023     14.99
342.4     126.8     169.8    0.0033     87.45   0.2155     16.47
```

[ANS thanks Ed O'Grady and Dick Ensign, N8IWJ, for the information for this bulletin]

/EX
SB ALL @ AMSAT $ANS-356.04
AMSAT BEGINNERS WORKSHOP

HR AMSAT NEWS SERVICE BULLETIN 356.04 FROM AMSAT HQ
SILVER SPRING, MD DECEMBER 22, 1990
TO ALL RADIO AMATEURS BT

Tyler, TX ARC To Offer Beginner's Workshop On January 19, 1991

The Tyler, TX Amateur Radio Club will present an all day "hands-on" workshop to help acquaint beginners with the operation of all OSCARs flying today. Included in this workshop will be a discussion about Weather Satellites by Dallas Remote Imaging Group (DRIG) Chairman Jeff Walach (N5ITU). In addition to classroom discussions, there will be several OSCAR stations set up to allow as many attendees as possible the chance of using at least one OSCAR during the day. Stations will be available for use with AO-13, PACSATs, RS-10/11, RS-14/RUDAK-2, and for viewing weather satellite pictures.

After the workshop, there will be a dinner banquet with keynote speaker AMSAT-NA President and General Manager, Doug Loughmiller (KO5I). You are invited to join the Tyler ARC on January 19, 1991 at the Tyler, TX Junior College for this excellent event. For more information about registration and lodgings, contact KO5I at (903) 784-3740.

/EX
SB ALL @ AMSAT $ANS-356.05
TEXAS BALLOON LAUNCH SUCCESS

HR AMSAT NEWS SERVICE BULLETIN 356.05 FROM AMSAT HQ
SILVER SPRING, MD DECEMBER 22, 1990
TO ALL RADIO AMATEURS BT

Texas Balloon Launch Dubbed a Great Success

The Huntsville Municipal Airport served as the setting for the launch of a hot air balloon carring an amateur radio payload at 10:46 local time on December 8, 1990. The launch team was composed entirely of AMSAT Members. The balloon lifted the payload (a two-meter telemetry beacon) to over 100,000 feet. Analog data (tones) for external temperature and altitude were transmitted using CW with the keying speed being set by internal temperature. The 200 mW beacon was placed on 147.435 MHz using the callsign WB5HLZ. External temperatures reached -70 degrees F. Internal temperatures never fell below 34 degrees F. The package transmitted flawlessly for the duration of the flight and was still transmitting 30 hours after launch.

Recovery was at 3:10 PM on December 9th when the package was found at the 70' level of a pine tree in a private game preserve in thick woods near Magnolia, TX. The cord above the package was parted "Texas style" by a .22 caliber bullet just above the swivel joint holding the package in the tree. The parachute was not recovered and the tree could not be climbed. Total ground distance traveled was 37 miles.

The group is contemplating either an ATV, a digipeater or a Mode J FM transponder payload for another launch sometime in the Spring of 1991.

[ANS thanks Andy MacAlister,WA5ZIB, for the information for this bulletin]

/EX
SB ALL @ AMSAT $ANS-356.06
AMSAT QSL BUREAU INFO

HR AMSAT NEWS SERVICE BULLETIN 356.06 FROM AMSAT HQ
SILVER SPRING, MD DECEMBER 22, 1990
TO ALL RADIO AMATEURS BT

AMSAT QSL BUREAU ALIVE & WELL; NEEDS YOUR QSL CARD & S.A.S.E.

WB8OTH wishes to remind all OSCAR satellite users that as Manager of the AMSAT QSL Bureau, he needs your SASE! Perry says that he has many QSL cards waiting for hams to receive but he can't forward them because of the lack of a envelopes from addresees. Perry adds that everyone who uses OSCARs, especially with the increase in DX activity seen on AO-13, should send him their outbound cards along with several SASEs so he can quickly turn around that rare DX QSL. Send your QSL cards and SASEs to following address:

AMSAT QSL BUREAU
1850 Lise Avenue
Obetz, OH
43207-4443

/EX
SB ALL @ AMSAT $ANS-356.07
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 356.07 FROM AMSAT HQ
SILVER SPRING, MD DECEMBER 22, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times.Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date	Phs	mode	UTC	NCS	Alt.	U.S. day
29 Dec 90	206	B	1500	KA5SMA	WB9ANQ	Saturday

05 Jan 91	214	B	1900	WD0E	WA5ZIB	Saturday
13 Jan 91	99	B	0500	WB6LLO	N5BF	Saturday
19 Jan 91	210	B	1445	WB9ANQ	KA5SMA	Saturday
26 Jan 91	211	B	1830	WA5ZIB	WD0E	Saturday

Jim White (WD0E) is scheduled to discuss Pacsat file server ground software operation with the net on 29 December 90. He and others on the pacsat test team will be available on nets through the Pacsat operational release period to assist new users.

John Champa (K8OCL), AMSAT-NA Executive VP will discuss AMSAT participation in advanced projects such as the World Space Foundation Solar Sail, Lunar Polar Prospector, and SEDSAT (supported by the Detroit Oscar User's Group) during the net session on 13 January 91.

Roy Welch (W0SL) will discuss his new job as AMSAT Software Exchange Manager and what this means in terms of improved software user support during the 26 January 91 session.

It is the intention of the Operations Net management to have guest speakers approximately every other week to provide up-to-the-minute information on topics of interest (such as Microsat ground station software, AMSAT Software Exchange,and WARC 92). As guest speakers and topics are confirmed they will be published in ANS.

Nets are scheduled for North American geographic coverage and time zones although other parts of the world are often within the footprint and check-ins from everywhere are welcome. Those who don't have adequate and convenient coverage from this net are encouraged to schedule their own nets via AO-13. Consider moving some of your HF AMSAT Net sessions to the satellite or retransmitting nets from one to the other! Write to AMSAT Headquarters or send a note to N5BF @ WB6YMH with your schedule to have it included in ANS.

For information on the amateur satellite program and how you can participate, contact AMSAT-NA Headquarters at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062, or contact your local AMSAT Area Coordinator.

/EX
SB ALL @ AMSAT $ANS-356.08
NEW AO-13 TRANSPONDER SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 356.08 FROM AMSAT HQ
SILVER SPRING, MD DECEMBER 22, 1990
TO ALL RADIO AMATEURS BT

The new winter transponder schedule for AO-13 is as follows:

```
 Mode-B : MA   0 to MA 165 | <= IF eclipses over-drain battery in
 Mode-JL: MA 165 to mA 190 |    Jan 10 - Feb 06, B-OFFs MA 20-65
 Mode-LS: MA 190 to MA 195 |
 Mode-S : MA 195 to MA 200 | <= Mode B is OFF; no swishing!
 Mode-BS: MA 200 to MA 205 | <= QRP on BS please.  High power
 Mode-B : MA 205 to MA 256 |    wipes out mode S experimenters.
 Omnis  : MA 240 to MA  30 |
```

This schedule is expected to span from 28 December 90 to 25 March 91

The command team requests that you make a specific effort to use QRP on Mode B between MA 200 to 205. This is specifically to help those people who are experimenting with Mode S.

Magnetorquing operation is expected to take place during the week of 24 Dec 90. This operation takes place during the portion of the orbit closest to perigee (MA 000) and is done primarily to reorient the spacecraft for improved solar panel illumination. During magnetorquing, the transponders will be off (typically between MA 220 and MA 60).

During the Winter, the worst Sun angle (11 March 91) will be -27 deg, resulting in 89% illumination. AO-13 will experience eclipses by the Earth from 11 January 91 to 6 February 91, the longest being 82 minutes (MA 32-53). If battery drain is excessive during this period of time, it may result is Mode B being turned off during MA 20-65 until 6 February 91. AO-13 will experience Lunar eclipses on 16 March 91 (50%) and 14 April 91 (23%).

Once magnetorquing operations have been completed, the spacecraft attitude of AO-13 is expected to be:

```
               BLON = 210.0  and  BLAT = 0.0  for 31 December 90
     Spin Rate should be brought up to 30 RPM from the present 27.6 RPM
```

AMSAT-OSCAR-10 appears to be receiving sufficient solar panel illumination to support Mode-B transponder operations. The transponder may be used, carefully, at all points of the orbit except MA 254 - 006 when eclipses occur. If beacon or transponder signals show signs of FMing, users should cease all transponder use immediately. An APPROXIMATION of the spacecraft attitude for AO-10 is :

```
            BLON = 2.0    and  BLAT =  0.0  for 29 December 90
```

/EX

From -1360221818291759201
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bf25ab7b36130079
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 13ce86,bf25ab7b36130079
X-Google-Attributes: gid13ce86,public
X-Google-ArrivalTime: 1990-12-24 03:01:03 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!apple!usc!cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)

```
Newsgroups: rec.ham-radio,fido.ham-radio
Subject: AMSAT NEWS
Message-ID: <1955@n8emr.UUCP>
Date: 24 Dec 90 01:13:18 GMT
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 356
Xref: gmdzi rec.ham-radio:18416


==========================================================

     This file available from N8EMR's Ham BBS,

     614-895-2553 1200/2400/9600/V.32/PEP/MNP5

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         ************************************************************
         ************************************************************



Posted: Sun, Dec 23, 1990   4:40 AM GMT              Msg: FGJA-4524-4642
From:   DCAMPBELL
To:     is
Subj:   ORBS$356

SB ALL @ AMSAT  $ORBS-356.O
Orbital Elements   356.OSCAR

HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES
FROM N3FKV HEWITT, TX      DECEMBER 22, 1990
TO ALL RADIO AMATEURS, MERRY CHRISTMAS BT

Satellite: AO-10
Catalog number: 14129
Epoch time:      90350.69129562
Element set:     628
Inclination:       25.9345 deg
RA of node:       170.0542 deg
Eccentricity:    0.5965026
Arg of perigee:   201.0448 deg
Mean anomaly:     117.0955 deg
Mean motion:    2.05880593 rev/day
Decay rate:      -1.70e-07 rev/day^2
Epoch rev:            2849
```

```
Satellite: UO-11
Catalog number: 14781
Epoch time:      90351.59321560
Element set:     891
Inclination:       97.9277 deg
RA of node:        37.9697 deg
Eccentricity:    0.0013407
Arg of perigee:    29.9465 deg
Mean anomaly:     330.2512 deg
Mean motion:   14.65985292 rev/day
Decay rate:      1.964e-05 rev/day^2
Epoch rev:           36283

Satellite: RS-10/11
Catalog number: 18129
Epoch time:      90354.91882127
Element set:     466
Inclination:       82.9243 deg
RA of node:       190.5624 deg
Eccentricity:    0.0011124
Arg of perigee:   327.3477 deg
Mean anomaly:      32.6984 deg
Mean motion:   13.72131538 rev/day
Decay rate:       1.80e-06 rev/day^2
Epoch rev:           17505

Satellite: AO-13
Catalog number: 19216
Epoch time:      90350.40377437
Element set:     226
Inclination:       56.8563 deg
RA of node:       120.5684 deg
Eccentricity:    0.7087146
Arg of perigee:   242.6692 deg
Mean anomaly:      30.6150 deg
Mean motion:    2.09704934 rev/day
Decay rate:      -2.09e-06 rev/day^2
Epoch rev:            1922

Satellite: FO-20
Catalog number: 20480
Epoch time:      90352.95563960
Element set:     177
Inclination:       99.0203 deg
RA of node:         4.4150 deg
Eccentricity:    0.0541102
Arg of perigee:   350.0209 deg
Mean anomaly:       9.0471 deg
Mean motion:   12.83166031 rev/day
Decay rate:       1.10e-07 rev/day^2
Epoch rev:            4044

/EX
```

SB ALL @ AMSAT $ORBS-356.D
Orbital Elements   356.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS
FROM N3FKV HEWITT, TX   DECEMBER 22, 1990
TO ALL RADIO AMATEURS, MERRY CHRISTMAS BT

```
Satellite: UO-14
Catalog number: 20437
Epoch time:      90354.74257452
Element set:     284
Inclination:       98.6880 deg
RA of node:        70.1793 deg
Eccentricity:    0.0011736
Arg of perigee:   333.4314 deg
Mean anomaly:      26.6262 deg
Mean motion:   14.28824107 rev/day
Decay rate:       5.48e-06 rev/day^2
Epoch rev:            4750

Satellite: AO-16
Catalog number: 20439
Epoch time:      90353.38867939
Element set:     182
Inclination:       98.6908 deg
RA of node:        69.0461 deg
Eccentricity:    0.0011267
Arg of perigee:   338.6830 deg
Mean anomaly:      21.3866 deg
Mean motion:   14.28920517 rev/day
Decay rate:       5.45e-06 rev/day^2
Epoch rev:            4731

Satellite: DO-17
Catalog number: 20440
Epoch time:      90350.64728474
Element set:     181
Inclination:       98.6894 deg
RA of node:        66.3379 deg
Eccentricity:    0.0011497
Arg of perigee:   347.4225 deg
Mean anomaly:      12.6667 deg
Mean motion:   14.28976305 rev/day
Decay rate:       5.91e-06 rev/day^2
Epoch rev:            4692

Satellite: WO-18
Catalog number: 20441
Epoch time:      90354.12586965
Element set:     182
Inclination:       98.6909 deg
RA of node:        69.8453 deg
Eccentricity:    0.0011997
```

```
Arg of perigee:   336.9378 deg
Mean anomaly:      23.1263 deg
Mean motion:   14.29058221 rev/day
Decay rate:       5.10e-06 rev/day^2
Epoch rev:            4742

Satellite: LO-19
Catalog number: 20442
Epoch time:      90349.97899473
Element set:     182
Inclination:       98.6915 deg
RA of node:        65.7509 deg
Eccentricity:    0.0012420
Arg of perigee:   348.5551 deg
Mean anomaly:      11.5368 deg
Mean motion:   14.29126182 rev/day
Decay rate:       5.20e-06 rev/day^2
Epoch rev:            4683

/EX
SB ALL @ AMSAT  $ORBS-356.M
Orbital Elements  356.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES
FROM N3FKV HEWITT, TX      DECEMBER 22, 1990
TO ALL RADIO AMATEURS, MERRY CHRISTMAS BT

Satellite: SALYUT 7
Catalog number: 13138
Epoch time:      90354.84629727
Element set:     687
Inclination:       51.5956 deg
RA of node:        64.1476 deg
Eccentricity:    0.0002759
Arg of perigee:   343.9839 deg
Mean anomaly:      16.0718 deg
Mean motion:   15.92826863 rev/day
Decay rate:     1.6540e-03 rev/day^2
Epoch rev:           49426

Satellite: MIR
Catalog number: 16609
Epoch time:      90355.37401159
Element set:     155
Inclination:       51.6100 deg
RA of node:       107.7470 deg
Eccentricity:    0.0024600
Arg of perigee:    30.8908 deg
Mean anomaly:     329.1368 deg
Mean motion:   15.60672807 rev/day
Decay rate:     2.7111e-04 rev/day^2
Epoch rev:           27733
```

```
Satellite: HUBBLE
Catalog number: 20580
Epoch time:      90353.79457131
Element set:     368
Inclination:       28.4690 deg
RA of node:       147.7261 deg
Eccentricity:    0.0005643
Arg of perigee:   253.5584 deg
Mean anomaly:     106.4305 deg
Mean motion:   14.85754481 rev/day
Decay rate:      2.296e-05 rev/day^2
Epoch rev:            3559

/EX
SB ALL @ AMSAT  $ORBS-356.W
Orbital Elements   356.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM N3FKV HEWITT, TX      DECEMBER 22, 1990
TO ALL RADIO AMATEURS, MERRY CHRISTMAS BT

Satellite: NOAA-9
Catalog number: 15427
Epoch time:      90354.25666700
Element set:     685
Inclination:       99.1715 deg
RA of node:       358.4840 deg
Eccentricity:    0.0014640
Arg of perigee:   203.8599 deg
Mean anomaly:     156.1892 deg
Mean motion:   14.12760160 rev/day
Decay rate:       4.50e-06 rev/day^2
Epoch rev:           31025

Satellite: NOAA-10
Catalog number: 16969
Epoch time:      90352.26332426
Element set:     531
Inclination:       98.5835 deg
RA of node:        15.9585 deg
Eccentricity:    0.0014428
Arg of perigee:    93.9700 deg
Mean anomaly:     266.3130 deg
Mean motion:   14.23831739 rev/day
Decay rate:       5.47e-06 rev/day^2
Epoch rev:           22080

Satellite: MET-2/17
Catalog number: 18820
Epoch time:      90346.64529578
Element set:     437
Inclination:       82.5437 deg
RA of node:       208.5845 deg
```

```
Eccentricity:    0.0015938
Arg of perigee:   179.5016 deg
Mean anomaly:     180.6164 deg
Mean motion:   13.84402040 rev/day
Decay rate:       1.80e-06 rev/day^2
Epoch rev:           14487

Satellite: MET-3/2
Catalog number: 19336
Epoch time:      90353.87553819
Element set:     689
Inclination:       82.5405 deg
RA of node:       146.0640 deg
Eccentricity:    0.0016120
Arg of perigee:   208.2132 deg
Mean anomaly:     151.8117 deg
Mean motion:   13.16907133 rev/day
Decay rate:       2.40e-07 rev/day^2
Epoch rev:           11539

Satellite: NOAA-11
Catalog number: 19531
Epoch time:      90355.27668776
Element set:     438
Inclination:       99.0076 deg
RA of node:       304.0223 deg
Eccentricity:    0.0012957
Arg of perigee:   115.5476 deg
Mean anomaly:     244.7046 deg
Mean motion:   14.11835366 rev/day
Decay rate:       6.40e-06 rev/day^2
Epoch rev:           11536

Satellite: MET-2/18
Catalog number: 19851
Epoch time:      90353.74857257
Element set:     389
Inclination:       82.5208 deg
RA of node:        80.6270 deg
Eccentricity:    0.0013756
Arg of perigee:   199.3401 deg
Mean anomaly:     160.7250 deg
Mean motion:   13.84038205 rev/day
Decay rate:       1.91e-06 rev/day^2
Epoch rev:            9123

Satellite: MET-3/3
Catalog number: 20305
Epoch time:      90353.66936902
Element set:     289
Inclination:       82.5540 deg
RA of node:        87.1994 deg
Eccentricity:    0.0015240
```

```
Arg of perigee:   223.6433 deg
Mean anomaly:     136.3442 deg
Mean motion:   13.15872604 rev/day
Decay rate:       2.89e-06 rev/day^2
Epoch rev:            5534

Satellite: MET-2/19
Catalog number: 20670
Epoch time:      90346.52237027
Element set:     136
Inclination:       82.5429 deg
RA of node:       147.1101 deg
Eccentricity:    0.0015584
Arg of perigee:   142.7369 deg
Mean anomaly:     217.4868 deg
Mean motion:   13.83882803 rev/day
Decay rate:       1.26e-06 rev/day^2
Epoch rev:            2318

Satellite: FY-1/2
Catalog number: 20788
Epoch time:      90345.60060508
Element set:      78
Inclination:       98.9357 deg
RA of node:        18.0668 deg
Eccentricity:    0.0010604
Arg of perigee:   349.3881 deg
Mean anomaly:      10.7061 deg
Mean motion:   14.00596213 rev/day
Decay rate:       3.64e-06 rev/day^2
Epoch rev:            1394

Satellite: MET-2/20
Catalog number: 20826
Epoch time:      90349.27714617
Element set:      87
Inclination:       82.5265 deg
RA of node:        84.1586 deg
Eccentricity:    0.0014383
Arg of perigee:    39.8701 deg
Mean anomaly:     320.3509 deg
Mean motion:   13.83249439 rev/day
Decay rate:       3.36e-06 rev/day^2
Epoch rev:            1078

/EX
```

From 1571463563521664531
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-24 03:27:26 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!wuarchive!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <1990Dec24.054914.10341@athena.cs.uga.edu>
Date: 24 Dec 90 05:49:14 GMT
References: <9012172023.AA13013@tilde> <1990Dec19.025940.27430@informix.com>
Organization: University of Georgia, Athens
Lines: 15

The FCC *does* regulate receivers, but only the ones that are marketed commercially. They have two concerns:

(1) Emissions from the local oscillator;

(2) Fair coverage of broadcast bands and other frequency bands.
For example, all CBs, even if receive-only, must have (or be able to be crystalled for) all 40 channels. All TV sets must have both VHF and UHF with comparable performance and ease of use on all the channels.

This is to prevent broadcasters on some TV channels from being at a competitive disadvantage. Likewise, AM radios have to cover the whole AM band; FM radios have to cover the whole FM band, and so forth.
:wq

From 1751269543614437670
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-24 06:33:38 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!wuarchive!emory!att!pacbell.com!ucsd!mvb.saic.com!ncr-sd!sdd.hp.com!hplabs!hpl-opus!hpcc05!hpdmd48!ritchie
From: ritchie@hpdmd48.boi.hp.com (David Ritchie)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <530037@hpdmd48.boi.hp.com>
Date: 23 Dec 90 23:35:10 GMT
References: <9012192258.AA00358@tilde>
Organization: Hewlett Packard - Boise, ID
Lines: 13

```
>another (if they do know, I don't know. Brian Kantor probably knows (and
                        ^^^^ now
>may even still read this group) and could possibly tell us).
>
>  Of course, it could just be all my overheated imagination...
>
```

>-- Dave Ritchie N4DJS
>ritchie@hpdmd48.boi.hp.com
>----------

Finger dyslexia is a horrible thing....

-- Dave

From 6529668379977047885
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f0f5e05753da542,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-24 08:28:53 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: MAJOR SOLAR FLARE ALERT (23 DECEMBER)
Message-ID: <901224020922.23801fb7@HG.ULeth.CA>
Date: 24 Dec 90 09:09:22 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 81

-- MAJOR SOLAR FLARE ALERT --

DECEMBER 23, 1990

Flare Event Summary
Potential Impact Forecast

MAJOR ENERGETIC EVENT SUMMARY

Another significantly powerful solar flare blasted off the western limb today from Region 6412, which up until now has produced relatively little flare activity despite its magnetic complexity. This flare was rated a class X1.0/2B Tenflare which produced major radio emissions at 245 MHz which peaked at levels of near 18,000 s.f.u.. This flare was associated with a major Type II radio sweep frequency event, but was not apparently associated with a Type IV event. A satellite-level proton enhancement was observed at 10:05 UT on 23 December and reached an unofficial peak of 5 PFU (particle flux units) at 11:40 UT on 23 December. The proton levels have been decaying since that time and are now at near background levels. The flare was located at N11W68 and lasted 40 minutes. It began at 09:33 UT, reached a peak x-ray intensity of X1.0 at 09:52 UT and ended at 10:13 UT on 23 December. It was also associated with a significant SID/SWF whose duration unofficially lasted approximately 50 to 70 minutes over sunlit portions of the earth.

This major flare is the first X-class flare to occur since 27 August of this year, when a short-duration class X3/2B flare erupted near the central meridian and produced a minor to major geomagnetic storm approximately three days later. However, unlike August's event, this flare is not expected to have a serious terrestrial impact (see below).

Region 6420, which produced the major flare of 22 December, has been separated into two separate active regions due to its extensive elongated spot complex. The new region has been numbered 6423. Region 6423 is the less active of the these two parts. Region 6420 is still capable of producing M-class flare activity, although major activity from this region is not currently anticipated. There is, however, a slight risk of a major flare recurring from Region 6420 over the coming days.

Region 6412 is the area being closely watched at the present time. Until it rotates beyond the western limb on 24 December, this region will remain capable of producing another major energetic flare capable of influencing the terrestrial environment. The probability for major flaring will decrease on 25 and 26 December as this region disappears beyond the western limb. This will be the second time Region 6412 has disappeared beyond the western limb. On it's previous rotation, when the region was numbered 6368, it produced only a single major flare and numerous M-class events. There is a significant possibility that this region will again return to the eastern limb near 7 December. Preliminary analysis of models suggest that if this region persists through to its third appearance on the eastern limb, the potential for major proton flaring will become elevated. These predictions are far from conclusive, however. Yet, it is an interesting side-note. More will be known when models are more extensively consulted over the next week.

POTENTIAL TERRESTRIAL IMPACT FORECAST

Today's major class X1.0/2B major flare may have a slight terrestrial impact anywhere from about 22:00 UT on 25 December to 24:00 UT on 26 December. Geomagnetic activity may become slightly enhanced between 25 to 27 December due to this flare. However, if any activity does materialize, it is not expected to be too significant. Geomagnetic activity should remain near unsettled levels on these days, except for active periods which may be observed over high latitudes. There is a slight risk that magnetic coupling with a possible shockwave from this flare may produce active to minor storm levels. Although this risk is small, it should be noted incase this scenario proves more accurate than the one presently being relied on. Recurrent coronal-induced activity is expected to increase on 27 December, which may combine with any flare-related effects to produce higher than expected magnetic activity. For the moment, however, flare-effects are expected to be low. Recurrent geomagnetic activity will likely dominate, with only unsettled levels being witnessed over low and middle latitudes, while high latitudes may attain active levels.

** End of Report **

From -5499165706912230222
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9a503c5238c598af,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-24 08:29:03 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!ucsd!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: SOLAR TERRESTRIAL FORECAST AND REVIEW
Message-ID: <901224021448.23802148@HG.ULeth.CA>
Date: 24 Dec 90 09:14:48 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 472

--- SOLAR TERRESTRIAL FORECAST AND REVIEW ---

December 23 to January 01, 1990

Report Based In-Part from Data Obtained from the
Space Environment Services Center
Boulder Colorado

SOLAR TERRESTRIAL REVIEW FOR 16 DECEMBER TO 22 DECEMBER.

Solar activity this week has been mostly moderate. Regions 6412 and 6415 were predominantly responsible for the activity early in the week. By mid-week, a new active region rotated into view (labelled Region 6420). This region has produced several M-class flares and also spawned one major energetic event. The major flare occurred at 22:46 UT on 22 December. This event reached a class M5.3 x-ray level and was optically classified as a type 2B flare (moderate in size and brilliant). However, it was not accompanied by any significant radio bursts or sweep frequency events.

Another major energetic event of greater significance was the class X1.0/2B major Tenflare which occurred from departing Region 6412. This region was associated with an intense 245 MHz radio burst of 18,000 s.f.u.. It was also accompanied by a major Type II radio sweep. This flare was located at N11W68 and lasted 40 minutes. Terrestrial impacts from this flare included a strong SID/SWF and a satellite-level proton enhancement. Any geophysical activity occurring as a result of this flare will be reported in next weeks STFR report.

The largest region on the disk was Region 6412 (which was the mammoth sized Region 6368 on it's last rotation), which maintained a respectable size of about 3,600 million square kilometers (1,400 million square miles). This region gradually became increasingly complex in it's magnetic and optical characteristics, attaining a type Beta-Gamma magnetic configuration by mid-week. It maintained this configuration and it's size throughout the remainder of the week. It will rotate beyond the west limb on 24 December. Although this region may change configuration rapidly if flaring continues on the far side of the sun, there is still a relatively high probability that this region will return again near 7-8 January.

Region 6415 became quite active early in the week during its growth period. It attained a size of about 1,300 million square kilometers (520 million square miles) and managed to spawn numerous M-class flares. As the week progressed, this region began to decay and flaring decreased. By the end of the week, just prior to its disappearance beyond the west limb, this region spawned a class M4.3/1N flare at 23:21 UT on 22 December which was associated Type II and Type IV sweep frequency events.

The number of M-class and C-class flares which occurred this week produced a significant number of SID's/SWF's. Distortion, aborption, noise and fading were all quite noticable during the daylight hours, particularly over the low and middle latitudes. Average SID durations were around 40 minutes, with between about 1 and 3 SID's occuring daily throughout this week.

Geomagnetic and auroral activity was dormant this week. No significant periods of auroral or geomagnetic activity were reported. The average planetary magnetic A-index figure this week was 5, which is significantly lower than the "normal" for activity this year. The earth is currently traversing the solar neutral sheet boundary, which is generally more magnetically stable than regions to the north or south of this boundary. Combined with a lack of coronal-induced corpuscular emissions, geomagnetic activity has remained relatively quiet.

Radio propagation conditions this week have been normal to above normal throughout the week, excluding the occasional SID-related SWF's which hampered HF communications. VHF communications were normal this week, with a few instances where SID-enhancements provided brief periods of favorable DX conditions. No auroral backscatter was possible this week.

SHORT TERM SOLAR TERRESTRIAL FORECAST

Recent trends indicate that global solar activity has increased. Moreover, it appears as though two active solar longitudes have redeveloped separated by about 150 to 180 degrees, which is characteristic for the active sun during sunspot maximum. Almost all of the solar indices confirm this. The activity is expected to peak either early in January or February, followed by another decline to more stable conditions in March through to about June, 1991. If the models prove correct, the rotation of the previously active longitudes near 26 to 28 December may herald several weeks of increased major and M-class flaring. There is also an elevated risk for solar-induced geophysical impacts in January and/or February. The coming week will be the deciding factor on whether or not activity levels will peak in January or possibly in February.

This activity seems to conform well with the models which are predicting a surge of activity early next year, perhaps even into February. Activity is expected to increase notably with the return of Region 6397 (as well as all of the other regions which formed within the same longitudinal zone during the last rotation). These regions are expected to begin returning anytime now, but a particular surge in the solar flux is expected between near 26 to 28 December. Combined with Region 6420 (which was split into two separate active regions on 23 December - the new region is numbered 6423), which has produced one major flare already, overall flare activity is expected to increase. Solar activity should remain moderate with at least one M-class flare occurring per day. The risk for major flaring will become elevated as the active longitudes near 26-28 December rotate back into view.

Recurrent geomagnetic activity is expected to increase magnetic indices to quiet to unsettled levels by 24 or 25 December. Activity is not expected to be significant, however, provided flare-related shockwaves do not contribute to the activity. High latitudes may experience periods of active conditions while middle and low latitudes should remain mostly quiet to unsettled, becoming mostly unsettled by 25 December. Conditions throughout most of the coming week should be mostly quiet to unsettled, excluding any flare-related activity. For flare-related activity, consult the flare alerts when they are issued.

Auroral activity will become slightly enhanced at high latitudes this week, but no significant periods of activity are anticipated unless major flaring contributes to the activity, which will be covered in any major flare alerts which are posted. Middle latitudes will be hard-pressed to observe the relatively low auroral activity this week, due to lunar phase.

HF and VHF radio propagation should be normal to above normal this week, with similar levels of noise and daytime absorption occurring over the middle and low latitudes due to solar activity. The solar flux, sunspot number and background x-ray indices are all expected to begin increasing this week. It is presently difficult to predict the solar flux values which might be achieved, although present models suggest that the solar flux might reach levels as high as 260 (or perhaps higher). Sunspot numbers may break 250 by mid to late week. The increased ionizing solar radiation should provide very good opportunities for HF DX this week, provided geomagnetic activity remains at quiet to unsettled levels. VHF communications will experience brief periods of enhanced E-layer ionization due to flare activity that may significantly contribute to the potential for DX. There is a significant possibility for openings on 6 meters this week (particularly later in the week). MUF's will increase this week to levels near or above 50 MHz over many locations, particularly over the mid to low latitudes. Unless flare-related events contribute to terrestrial activity, no significant periods of auroral backscatter are expected this week on the VHF bands.

SUMMARY OF ALL ACTIVE REGIONS VISIBLE ON THE SOLAR DISK AS OF 23 DECEMBER

Region #	Location	LO	Area	Class	LL	Spots	Magnetic Type
6412	N16W79	017	3480	FKI	17	015	BETA-GAMMA
6418	N19E06	292	0030	BXO	04	009	BETA

6420	S24E46	252	0810	FAO	17	023	BETA
6421	N18W55	353	0030	BXO	03	002	BETA
6422	S18E59	239	1050	DKO	09	006	BETA
6423	S20E40	258	0780	DKO	07	011	BETA

NOTES: Area is in million square kilometers. Angular extent (LL) and solar longitude (LO) are in degree's. For more information regarding the terminology used above, request the Glossary of Solar Terrestrial Terms from: "std_oler@hg.uleth.ca".

H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AS OF 24:00 UT ON 23 DECEMBER.

REGION	LOCATION	LO	COMMENTS (IF ANY)
6416	S07W66	004	NONE
6417	N18W66	004	

ACTIVE REGIONS DUE TO RETURN BETWEEN 24 AND 26 DECEMBER

Region	Latitude	Longitude (Helio.)
6407	S14	199
6387	S25	189
6390	N35	176
6402	S11	175

NOTES:
For definitions regarding the above, request the "Glossary of Solar Terrestrial Terms" from "std_oler@hg.uleth.ca".

GRAPHICAL ANALYSIS OF RECENT GEOMAGNETIC ACTIVITY - BOULDER COLORADO

```
                  Cumulative Geomagnetic Activity History
             Peak Geomagnetic Activity during the past 87 hours
     _________________________________________________________________
    |  EXTREMELY SEVERE |        |        |        |     | VERY HIGH! |
    | VERY SEVERE STORM |        |        |        |     | HIGH       |
    |      SEVERE STORM |        |        |        |     | MODERATE   |
    |       MAJOR STORM |        |        |        |     | MODERATE   |
    |       MINOR STORM |        |        |        |     | LOW        |
    |       VERY ACTIVE |        |        |        |     | NONE - LOW |
    |            ACTIVE |     *  |    *   |      * | *  *| NONE       |
    |         UNSETTLED | ****** |    *** |      * | ** *| NONE       |
    |             QUIET |********|**  ****|*** ****| ****| NONE       |
    |        VERY QUIET |********|********|********|*****| NONE       |
    |-------------------|--------|--------|--------|-----|------------|
    | Geomagnetic Field |  Thu.  |  Fri.  |  Sat.  | Sun.|  Anomaly   |
    |    Conditions     |    Given in 3-hour intervals   | Intensity  |
    |_________________________________________________________________|
```

NOTES:

This graph ONLY depicts geomagnetic conditions observed at Boulder, Colorado for the past 87 hours. Conditions to the north of Boulder will generally have slightly higher activity than Boulder, while conditions to the south of Boulder will likely have lower activity than those depicted here. However, the plots should present a good approximate average of planetary geomagnetic conditions.

For information regarding the interpretation and/or use of these charts, send a request for the document "Understanding Solar Terrestrial Reports" to: std_oler@hg.uleth.ca.

PLANETARY 10-DAY GEOMAGNETIC ACTIVITY OUTLOOK (23 DECEMBER - 01 JANUARY)

```
    ________________________________________________________________________
   |  EXTREMELY SEVERE |   |   |   |   |   |   |   |   |   |   | VERY HIGH! |
   | VERY SEVERE STORM |   |   |   |   |   |   |   |   |   |   | HIGH       |
   |      SEVERE STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MAJOR STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MINOR STORM |   |   |   |   |   |   |   |   |   |   | LOW        |
   |       VERY ACTIVE |   |   |   |   |   |   |   |   |   |   | NONE - LOW |
   |            ACTIVE |   |* *|   |** |   |   | * |   |   |   | NONE       |
   |         UNSETTLED | **|***|***|***|***|***|***| * |   |   | NONE       |
   |             QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |        VERY QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |-------------------|---|---|---|---|---|---|---|---|---|---|------------|
   | Geomagnetic Field |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|  Anomaly   |
   |    Conditions     |       Given in 8-hour intervals       | Intensity  |
   |________________________________________________________________________|
```

NOTES:

Predicted geomagnetic activity is based heavily on recurrent phenomena. Transient energetic solar events cannot be predicted reliably over periods in excess of several days. Hence, there may be some deviations from the predictions due to the unpredictable transient solar component.

GRAPHICAL ANALYSIS OF SOLAR ACTIVITY OVER THE PAST 60 DAYS

```
                   Cumulative Graphical Analysis of
                           Solar Activity
    ____________________________________________________________
249|                                                            | MOD.
241|                                                            | MOD.
233|                                             *FFF           | MOD.
225|                                          ****FFF           | MOD.
217|                       *                 *****FFF*          | MOD.
209|             **      ***                 *****FFF*          | MOD.
201|             ***    *****               F*****FFF**   *     | MOD.
193|            ******* ******             *F*****FFF*** ***    | MOD.
186|            ***************            *F*****FFF********* F| LOW
178|            *****************         **F*****FFF*********FF| LOW
```

```
170|           ********************   * ****F*****FFF*********FF| LOW
162|* *        *********************  ******F*****FFF*********FF| LOW
154|*** **    **********************F*******F*****FFF*********FF| LOW
146|******   ***********************F*******F*****FFF*********FF| LOW
138|********************************F*******F*****FFF*********FF| LOW
    ------------------------------------------------------------
               Cumulative 60 day Solar Activity Record
                   Start Date:  October 25, 1990
```

NOTES:

Left-hand column digits represent the 10.7 cm solar radio flux obtained from Ottawa. The right-hand column describes the relative solar activity for that period based on the average number of major and minor flares that can be expected for related solar flux values. Plot lines labeled with the letter "F" represent days where at least one major flare occurred (ie. class M5 or greater flare).

GRAPHICAL 20-DAY SOLAR ACTIVITY PREDICTION

```
                           Solar Activity
 _________________________________________________________________
| 264 |  |  |  |  |  |  |  |  |  /  |  |  |  |  |  |  |  |  |  |  |
| 257 |  |  |  |  |  |  |  |  |  \  |  |  |  |  |  |  |**|**|  |  |
| 250 |  |  |  |  |  |  |  |  |  /  |  |  |  |  |  |**|  |  |**|  |
| 243 |  |  |  |  |  |  |  |  |  \  |  |  |**|**|**|  |  |  |  |  |
| 236 |  |  |  |  |  |  |  |  |  /**|**|**|  |  |  |  |  |  |  |**|
| 229 |  |  |  |  |  |  |  |**|**\  |  |  |  |  |  |  |  |  |  |  |
| 223 |  |  |  |  |  |  |**|  |  /  |  |  |  |  |  |  |  |  |  |  |
| 216 |  |  |  |  |  |  |  |  |  \  |  |  |  |  |  |  |  |  |  |  |
| 209 |  |  |  |  |  |**|  |  |  /  |  |  |  |  |  |  |  |  |  |  |
| 202 |  |  |  |  |  |  |  |  |  \  |  |  |  |  |  |  |  |  |  |  |
| 195 |  |  |  |  |**|  |  |  |  /  |  |  |  |  |  |  |  |  |  |  |
| 188 |**|  |  |**|  |  |  |  |  \  |  |  |  |  |  |  |  |  |  |  |
| 181 |  |**|**|  |  |  |  |  |  /  |  |  |  |  |  |  |  |  |  |  |
| 174 |  |  |  |  |  |  |  |  |  \  |  |  |  |  |  |  |  |  |  |  |
| 168 |  |  |  |  |  |  |  |  |  /  |  |  |  |  |  |  |  |  |  |  |
| 161 |  |  |  |  |  |  |  |  |  \  |  |  |  |  |  |  |  |  |  |  |
|-----|--|--|--|--|--|--|--|--|--/--|--|--|--|--|--|--|--|--|--|--|
|Solar|23|24|25|26|27|28|29|30|31\01|02|03|04|05|06|07|08|09|10|11|
|Flux |         December         /            January            |
 -----------------------------------------------------------------
```

HF RADIO SIGNAL PROPAGATION PREDICTIONS (23 DECEMBER - 01 JANUARY)

```
                              High Latitude Paths
            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |   |   |   |   |   |   |   |   |   |   |
           |           GOOD |   |   |   |   |   |   |   |   |  *|  *|
           |           FAIR |  *|  *|* *|  *|  *|* *|  *|***|** |** |
           |           POOR |** |** | * |** |** | * |** |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------

                             Middle Latitude Paths

            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |  *|   |   |   |   |   |   |  *|* *|***|
           |           GOOD |** |  *| **| **| **|  *|  *|** | * |   |
           |           FAIR |   |** |*  |*  |*  |** |** |   |   |   |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------

                                Low Latitude Paths

            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |   |  *|  *|* *|* *|  *|  *|* *|***|***|
           |           GOOD |***|** |** | * | * |** |** | * |   |   |
           |           FAIR |   |   |   |   |   |   |   |   |   |   |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------

NOTES:
       High latitudes >= 55       degree's north latitude
     Middle latitudes >= 40 < 55  degree's north latitude
        Low latitudes  < 40       degree's north latitude



POTENTIAL VHF DX PROPAGATION PREDICTIONS (23 DECEMBER - 01 JANUARY)
   INCLUDES SID AND AURORAL BACKSCATTER ENHANCEMENT PREDICTIONS

                   HIGH LATITUDES

 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   |   |   |   |   | * | * | * | 20%|*|*|*|*|*|*|*|*|*|*|
|    NORMAL|***| **|***| **|***| **| **|* *|* *|* *| 40%|*|*| | | |*|*|*|*|
|BELOW NORM|   |*  |   |*  |   |*  |*  |   |   |   | 60%| | | | | | | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% |   |   |   |   |   |   |* *|   |   |   | 40%| | | | | | |*| | | |
|      20% |***|***|***|***|***|***|***|***|***|***| 20%| |*|*|*|*|*|*|*|*|*|
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|


                  MIDDLE LATITUDES

 ___________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   |   |   | * | * | * | * | * | 20%|*|*|*|*|*|*|*|*|*|*|
|    NORMAL|***|***|***|***|***|* *|* *|* *|* *|* *| 40%|*|*|*|*|*|*|*|*|*|*|
|BELOW NORM|   |   |   |   |   |   |   |   |   |   | 60%|*|*| | | |*|*|*|*|*|
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%|*| | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% | * | * | * | * | * | * | * | * | * | * | 40%| | | | | | | | | | |
|      20% | **|***|***|***|***|***|***| **| **| **| 20%| |*| |*|*|*|*| | | |
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|

                    LOW LATITUDES

 ___________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   |   |   | * | * | **| **| **| 20%|*|*|*|*|*|*|*|*|*|*|
|    NORMAL|***|***|***|***|***|* *|* *|*  |*  |*  | 40%|*|*|*|*|*|*|*|*|*|*|
|BELOW NORM|   |   |   |   |   |   |   |   |   |   | 60%|*|*| | | |*|*|*|*|*|
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%|*| | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   | * | * | * | 60%| | | | | | | | | | |
|      40% | * | * | * | * | * | * | * | * | **| **| 40%| | | | | | | | | | |
|      20% | **| **| **| **| **| **| **| **| **| **| 20%| | | | | | | | | | |
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|
```

NOTES:
These VHF DX prediction charts are defined for the 50 MHz to 220 MHz bands. They are based primarily on phenomena which can affect VHF DX propagation globally. They should be used only as a guide to potential DX conditions on VHF bands. Latitudinal boundaries are the same as those for the HF predictions charts. For more information, request the document "Understanding Solar Terrestrial Reports" from: "std_oler@hg.uleth.ca".

AURORAL ACTIVITY PREDICTIONS (23 DECEMBER - 01 JANUARY)

High Latitude Locations

```
 ________________________________________________________
| EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
|      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
|           HIGH |   |   |   |   |   |   |   |   |   |   |
|       MODERATE |   | * |   | * |   | * | * |   |   |   |
|            LOW | * |***|***|***|***|***|***| * | * |   |
|    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
|----------------|---|---|---|---|---|---|---|---|---|---|
|    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
|   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
 --------------------------------------------------------
```

Middle Latitude Locations

```
 ________________________________________________________
| EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
|      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
|           HIGH |   |   |   |   |   |   |   |   |   |   |
|       MODERATE |   |   |   |   |   |   |   |   |   |   |
|            LOW | * | * |   | * |   | * |***|   |   |   |
|    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
|----------------|---|---|---|---|---|---|---|---|---|---|
|    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
|   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
 --------------------------------------------------------
```

Low Latitude Locations

```
 ________________________________________________________
| EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
|      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
|           HIGH |   |   |   |   |   |   |   |   |   |   |
|       MODERATE |   |   |   |   |   |   |   |   |   |   |
|            LOW |   |   |   |   |   |   |   |   |   |   |
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------
```

NOTE:
For more information regarding these charts, send a request for the document, "Understanding Solar Terrestrial Reports" to: std_oler@hg.uleth.ca.

** End of Report **

```
From -477557171286651515
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0c54d597d79c632
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-24 09:03:29 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!elroy.jpl.nasa.gov!ncar!midway!
ellis.uchicago.edu!pbhx
From: pbhx@ellis.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: Re: Codeless Tech License
Message-ID: <1990Dec24.161435.9304@midway.uchicago.edu>
Date: 24 Dec 90 16:14:35 GMT
References: <785.276F70E6@w8grt.fidonet.org>
<1990Dec19.220949.12753@cunixf.cc.columbia.edu> <47@bootsie.UUCP>
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 34
```

In article <47@bootsie.UUCP> olson@bootsie.UUCP (Eric Olson) writes:

> (prefaced by a deleted section in which he states he will go for a no-code
> license while he recognizes there is interesting stuff below 30 Mhz)....
> Anyway, I've pretty much decided that 5WPM is trivial, and once I've
> got equipment tempting me to operate <30MHz I'll probably _upgrade_
> to Novice (so to speak)

I believe this will happen to a good number who get no-code. After they have talked to the same people over and over on the UHF and VHF repeaters and have mastered packet radio (if one ever does), then hearing of the HF contacts their friends have made, many will be motivated to learn the code.

The problem with the code requirement before "no-code" was that some opted out of ham radio before they ever got their license, as a result of problems real or perceived with learning the code.

(I was one; in the mid 70s I tried for nearly a year to learn the code but couldn't as I have a mild form of dyslexia. However, about 18 months ago I learned of the Code-Quick (tm) method and was able to get from 5 wpm to 20 in about a year.)

Sure, there will be plenty who stay above 30Mhz, just as there are many who now never go above the HF bands, but as a card-carrying social scientist, I would love to see statistics 5 years from now on the no-code licensees to see how many and for what reasons they added code to their qualifications.
--

Peter B. Hayward   WX9T
University of Chicago Computing Organizations

From 3039239335362132777
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2590ebf48881138f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-24 09:53:58 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!ncar!midway!midway.uchicago.edu!pbhx
From: pbhx@midway.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: Re: Codeless question pool?
Message-ID: <1990Dec24.165539.9890@midway.uchicago.edu>
Date: 24 Dec 90 16:55:39 GMT
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 11
References:<9012182135.AA25642@hls.com> <701@ssc.UUCP>

In article <701@ssc.UUCP> markz@ssc.UUCP (Mark Zenier) writes:
> Another related question. Will a certificate for one or more of the
> current written tests be acceptable for the codeless Tech?

Yes, a certificate of sucessful completion for element 2 or 3A signed by a VE can be used when requesting a VEC examing group to submit a competed form 610 on your behalf.

Peter B. Hayward   WX9T
University of Chicago Computing Organizations

From 5485747957493988892
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3e05d92b3fdd2102,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-24 09:54:01 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!ncar!midway!midway.uchicago.edu!pbhx
From: pbhx@midway.uchicago.edu (Peter B. Hayward)

Newsgroups: rec.ham-radio
Subject: Re: Renewal of expired General Class ticket
Message-ID: <1990Dec24.170633.10052@midway.uchicago.edu>
Date: 24 Dec 90 17:06:33 GMT
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 25
References:<1990Dec21.053509.19993@morrow.stanford.edu> <1250317@hpnmdla.HP.COM>

In article <1250317@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom)
writes:
> In rec.ham-radio, mac@pangea.Stanford.EDU (Mike McWilliams) writes:
>
> >Please forgive this elementary question folks; its been a long time. I
held
> >a General Class ticket from about 1963 to 1975 when I left the US for
> >Australia.
>
> >Simple question: Can I get the license re-instated simply, or must I
take
> >the written and code tests again?
>
> I'll reply on the net as there may be others who are interested.
>
> You have to start over. There is only a 1-year grace period after your
> license expires.

Right and wrong, I believe. Yes, he has to start over, but there is
a 2-year grace period. (Not that this extra year will help *him.*)

Peter B. Hayward   WX9T
University of Chicago Computing Organizations

From -8070947694885445491
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6fa7818d85dc3ae3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-24 09:54:05 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!zaphod.mps.ohio-state.edu!
ncar!midway!midway.uchicago.edu!pbhx
From: pbhx@midway.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: Re: Re: No-code Technicians
Message-ID: <1990Dec24.171325.10199@midway.uchicago.edu>
Date: 24 Dec 90 17:13:25 GMT
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 17
References:<25077@ucsd.Edu> <58130008@hpcupt1.cup.hp.com>

In article <58130008@hpcupt1.cup.hp.com> holly@hpcupt1.cup.hp.com (Jim
Hollenback) writes:
> Most countries that have fewer classes than the US still have some
> minimal requirement for minimal priviledges, and a full priviledge
> class for a more difficult exam along with a no-code license. This is
> a more reasonable proposal.

Jim,

I have been trying for a few months to track down a systematic
list of the code requirements and resulting HF priv for different
countries. Do you -- or anyone on the net -- have such?

Peter B. Hayward   WX9T
University of Chicago Computing Organizations

From -8012217546813875923
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d86c570ba86a558c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-24 10:25:47 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: A New Problem
Message-ID: <9012241800.AA10864@ucsd.edu>
Date: 24 Dec 90 18:00:20 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10

At least a few of us believe that some of the people we come in
contact with in public service work will now get their ham licenses in
order to do that kind of activity, and in that context, limiting them
to 220 and above would be a dis-service to the community as a whole,
because of the existence of a large existing public service
infra=structure.
I am in touch with a couple of my local EC's, and will try to get them
to push on the ARRL from their angle to get this objection by the ARRL
to the current no code Technician privileges dropped.
73, doug

From -5970031933736049588
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d86c570ba86a558c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-24 10:42:16 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)

Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Summary: Keeping 'em off 2m would hinder public service
Message-ID: <1990Dec24.180530.14308@athena.cs.uga.edu>
Date: 24 Dec 90 18:05:30 GMT
References: <9012241800.AA10864@ucsd.edu>
Organization: University of Georgia, Athens
Lines: 5

Right! One of the biggest sources of new hams, at least at first, will
be families of present hams. These people's main contribution will
probably be public service. (Additional operators for existing stations,
etc.) And, at least where I am, public service (in the local area)
relies on the 2-meter band to the exclusion of any other.

From -8101847294699560087
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,515303ac6dadd79e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-24 11:02:52 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: An Outside Viewpoint
Message-ID: <1711@ke4zv.UUCP>
Date: 24 Dec 90 17:00:33 GMT
References: <9012211713.AA00940@ucsd.edu> <1703@ke4zv.UUCP> <1990Dec23.175303.8294@NCoast.ORG>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 74

In article <1990Dec23.175303.8294@NCoast.ORG> allbery@ncoast.ORG.ORG (Brandon S. Allbery KB8JRR) writes:
>As quoted from <1703@ke4zv.UUCP> by gary@ke4zv.UUCP (Gary Coffman):
>+---------------
>| I have some ideas about what's wrong with the hobby other than presumed
>| archaic licensing requirements, but let's wait and see before starting
>| another crusade.
>+---------------
>
>I have some opinions as to why most people aren't interested in ham radio as
>well --- I wouldn't call it problems with our hobby, though.
>
>The simple fact is that it's "in" to hold and defend uninformed opinions while
>belittling those who *are* informed. Anti-intellectualism is still alive and
>well in the U.S. And ham radio is a *technical* hobby, public service
>notwithstanding. After all, the basis of our public service ability is that
>we are supposed to know enough to know how to assemble and/or manage working
>communications setups. This *does* include integrating non-amateur services
>like cellular, Part 15 radios on 49 MHz, and even CB when they're

>appropriate... it's the *know-how* that is our most important asset,
>regardless of where or how we apply it. Know-how that ranges from pure
>technical to organization and integration of communications to produce
>effective and efficient communications. I still count the latter as
>technical, because you have to have at least *some* understanding of the
>possibilities before you can make rational decisions on how to integrate it
>into a working communications system. This is especially important in
>emergencies, when the local hams might be the *only* ones who know how to take
>a hodge-podge of radio equipment and devise a working emergency communications
>network out of it.
>
>The simple solve-it-from-within solution is to drop the theory as well as the
>code. THIS IS THE WRONG SOLUTION! It destroys our most important asset.

Amen, brother! I think the most effective way to improve one's grasp of theory is learning by doing rather than a complex set of examination hurdles to jump, but theory, and more important the ability to put theory to practical use, is vital to amateur radio.

>The problem, and therefore the solution, are *outside* amateur radio. It's
>the same problem faced by the technical industries in the U.S. right now and
>looming large over their futures: the general public needs to be made aware
>of the importance of technical skills and knowledge, to the point where the
>general public will push for improvements in education and for more college
>students to major in technical areas.
>
>This is the *biggest* threat to amateur radio. Not code/nocode, not a sudden
>inrush of unruly "CBers", not the encroachment of commercial services on our
>bands. HAM RADIO IS UNPOPULAR BECAUSE UNDERSTANDING TECHNOLOGY IS UNPOPULAR.
>After all, how much do you need to know to operate a cellular phone or a
>Nintendo?
>
>If there is one area that I would recommend be addressed by all radio amateurs
>as quickly as possible, it is this one. Because it's not just ham radio that
>will go down the tubes if we don't....

You are right of course, but there is something we can do *with* amateur radio to change the situation. We can use amateur radio as bait to hook some of the young proto-technoids and get them interested in learning about technology for the fun of it before they lose their sense of wonder. If we're reasonably clever, we can be part of the solution instead of part of the problem. I believe that the ARRL is heading in the wrong direction with it's program to entice retired people into amateur radio. Instead, we should be working on the grassroots level to get amateur radio back in the classroom. Two of our local clubs are sponsoring amateur radio stations in middle schools. My packet club has purchased and donated packet equipment for one of the schools. Some of our members donate their time helping science teachers bring the wonder of electronics alive for these kids.
And it's working! We've got a bunch of new Novices, several Techs, a few Generals, and even one Advanced class kid out of the effort so far. The biggest challenge by far is to welcome these kids into our clubs, to include them in our activities, to let them become leaders. I know it hurts old men's egos to see smart young kids pass you by, but that's what it's going to take

to revitalize amateur radio and our country's technical ranks.

Gary KE4ZV

From -2303904055441659152
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f188aa81eabdffb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-24 15:42:14 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: Chebychev Filters
Message-ID: <837@idacrd.UUCP>
Date: 24 Dec 90 21:16:49 GMT
References: <41662@ut-emx.uucp>
Organization: idacrd, princeton, nj
Lines: 28

From article <41662@ut-emx.uucp>, by kipper@ccwf.cc.utexas.edu (Kip Ingram):
> Hi. A quick question about Chebychev low pass filters. The ARRL Handbook
> says that the passband SWR depends on the passband ripple (bigger ripple,
> bigger SWR). My intuition tells me that that would only become a problem
> if you actually used the filter all over the passband; SOMEWHERE in the
> passband the high SWR would occur. If I'm running at a single, crystal
> defined frequency, can't I tune my antenna for good SWR regardless of my
> filter?
>

If you are going to stick to one frequency, a Chebyshev is the wrong thing to use. Put all the poles on the frequency you intend to use. In other words, put a `bunch of copies' of your series resonant Hi-Q circuit. This approach maximizes your out of band rejection. You only want to use complicated pole/zero structures if the filter needs to work over a broader band.

Inductors and Capacitors are never perfect. They can and do burn a few ergs of energy in their internal resistance.

Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From -6478161775230363617
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f39ccd49b9091631,start

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,f39ccd49b9091631,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,f39ccd49b9091631,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-12-24 15:42:31 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap
Subject: Programmed Instruction Software
Message-ID: <822.2776473E@w8grt.fidonet.org>
Date: 24 Dec 90 23:21:23 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 8
Xref: gmdzi rec.ham-radio:18429 rec.ham-radio.packet:3288 rec.ham-radio.swap:880

A friend interested in the codefree tech asked me if I could find him a program for programmed instruction in the theory elements of the test (as opposed to sample tests). He uses a clone under MS-DOS 3.21.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -4808646968612137222
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,872e8ac7c291cfff,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11232c,872e8ac7c291cfff,start
X-Google-Attributes: gid11232c,public
X-Google-Thread: 166e18,872e8ac7c291cfff,start
X-Google-Attributes: gid166e18,public
X-Google-Thread: 104c07,872e8ac7c291cfff,start
X-Google-Attributes: gid104c07,public
X-Google-Thread: fd1c3,872e8ac7c291cfff,start
X-Google-Attributes: gidfd1c3,public
X-Google-Thread: 114aac,872e8ac7c291cfff,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 15f4b9,872e8ac7c291cfff,start
X-Google-Attributes: gid15f4b9,public
X-Google-Thread: f9532,872e8ac7c291cfff,start
X-Google-Attributes: gidf9532,public
X-Google-ArrivalTime: 1990-12-24 16:07:33 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!bionet!llustig!woodowl!william
From: william@woodowl.UUCP (Bill Buhnerkempe)
Newsgroups: misc.misc,misc.test,misc.wanted,pubnet.test,pubnet.talk,pubnet.wanted,rec.ham-radio,rec.radio.shortwave,soc.couples
Subject: Merry Christmas to the Middle East - Help Needed
Keywords: Message Airforce TRAVIS

Message-ID: <889@woodowl.UUCP>
Date: 24 Dec 90 21:06:47 GMT
Reply-To: william@woodowl (Bill Buhnerkempe)
Organization: Woodowl, Livermore, Ca.
Lines: 28
Xref: gmdzi misc.misc:6557 misc.test:1585 misc.wanted:6334 pubnet.test:15
pubnet.talk:13 pubnet.wanted:14 rec.ham-radio:18430 rec.radio.shortwave:3209
soc.couples:947

Hello to ANY/ALL

My New Sister in Law tells me she can not even send a Christmas Card
to my Brother which was only married 2 weeks before being sent to
"Place Unknown" If it is possible for you to come across him without
to much trouble could you tell him that we miss him, and would like to
say Merry Christams. His unit is one of those that moves so much they
do not even assign them a APO number. He is supose to be stationed
anywhere from East Coast USA to Europe to Mid-East. Subject to Change
without notice.

INFO:
Tech Sgt. Brian D. BUHNERKEMPE
C-5's out of Travis CA USA
301 st MAS

FLAMES:
Feel free to send them. Just send a X-Mass card to the
Mid-East at the same time.

William

UUCP   : {dplace, abhg, llustig, tcomeng, dumbcat}!woodowl!william
Alternate : tre@erg.sri.com
Full Name : William M. Buhnerkempe, Livermore, CA
Local Node : Woodowl --> (1) (415) 294-8591 Limited *NIX access BBS
SCA : William of Owlswood, Esfenn Shire, Principality of the Mist, West Kingdom

From -1966774560080210744
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b328b689e7f2b7b6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-24 16:33:20 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: MONTHLY SOLAR TERRESTRIAL REVIEW AND SOLAR CYCLE OUTLOOK
Message-ID: <901224154320.23801fb4@HG.ULeth.CA>
Date: 24 Dec 90 22:43:20 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 261

--- MONTHLY SOLAR TERRESTRIAL REVIEW ---

November 1990

Report Issued In-Part from Data Released by the
Space Environment Services Center
Boulder Colorado

MONTHLY ACTIVITY SUMMARY AND SOLAR CYCLE OUTLOOK DECEMBER 1990 - JUNE 1991

We are now in month 51 of solar cycle 22. Activity levels increased in November over October values, however, solar indices were nearly the same for the two months. This adds more support to maintaining July 1989 as solar maximum of cycle 22. Although prediction models are indicating an increase in activity and solar indices at the beginning of 1991, the models remain confident that July 1989 was solar maximum. The daily sunspot number actually fell in November, although the daily sunspot area increased. This phenomenon was due in large part to the unexpected growth of Region 6368 to mammoth proportions. This region finally became the second largest region of this solar cycle, surpassed only by Region 5395 of March 1989, which produced exceedingly severe solar flares during its transit on the solar disk. However, unlike Region 5395, Region 6368 failed to produce sustained high levels of activity.

Region 6368 did produce the only major flare of the month. It was an M7/1N flare at 23:17 UT on 26 November as the region was rotating over the west limb. Region 6368 also accounted for at least 14 of the 25 M-class flares detected during the month. Three of the 25 M-class flares were uncorrelated and may have been attributable to this region also.

There was a very slight proton enhancement at satellite altitudes beginning at 06:05 UT on 11 November which lasted about six hours. Protons were detected above background levels several times during this period, but never came close to event levels. The most likely cause of this enhancement was the M2/SF flare at 04:36 UT on 11 November from Region 6361.

The geomagnetic field was mostly quiet during the month of November with the following exceptions: On 16-17 November, high latitudes reported minor storm conditions while middle latitudes experienced active to unsettled conditions. The disappearance of a 19 degree segment of filament on 13 November is believed to be responsible. Then on 27 November, high latitudes experienced major storm conditions and middle latitudes experienced minor storm conditions. A sudden magnetic impulse of 21 nanoteslas was measured at Boulder Colorado at 23:32 UT on 26 November, preceding the magnetic storm of 27 November. The solar wind managed to compress the magnetopause inward past geosynchronous altitudes. GOES satellites reported magnetopause crossings beginning at 15:55 UT on 27 November. Disappearing filaments or several M-class flares that erupted in the proper time frame are possible causes of this activity.

SIX MONTH SOLAR CYCLE OUTLOOK

Solar prediction models are still suggesting an increase in solar activity early in January or February of 1991. Preliminary analysis of activity during December has verified that activity levels have increased at least during December. Activity is expected to continue to increase, reaching a peak in January or February, followed by a decline to more quiet conditions until near June or July of 1991. Major flaring has increased dramatically during December. Models indicate a slight risk of at least one major proton flare occuring during the next pulse of activity. Although no proton flares have yet been observed during December, models still indicate a potential for proton flaring, particularly between approximately 7 January and 21 January.

Geomagnetic activity is expected to be higher in January than it has been so far in December. Monthly magnetic indices are expected to peak between February and April. Preliminary estimates indicate a potential planetary average A-index of near 23 between February and April, 1991.

Auroral activity could peak in January or February, depending on how intense the pulse of solar activity becomes during these months. If solar activity is below the levels expected for these months, auroral activity will probably peak in March. Models indicate a slight risk for a major auroral storm sometime in January or February, caused by potential major flaring. If the storm materializes as models suggest it might, auroral activity may become visible over low latitudes. However, this activity is strongly dependent on the intensity of major flaring. The models are not in full agreement with regards to the intensity of major flaring which might occur during these months. Hence, some reservations are being made with regards to the accuracy of the models.

HF radio propagation conditions are expected to be relatively good during January and February, except for periods of geomagnetic storming which is expected to significantly hamper attempts at HF DX communications. The number of M-class flares is predicted to produce fairly frequent daytime HF signal absorption, distortion and potential periods of near blackout conditions during potentially intense solar flares. However, MUF's will be enhanced due to the increased solar activity, which will permit very good DX opportunities on frequencies above 30 MHz. Night-time propagation conditions are expected to vary from very good to very poor. During periods of quiet geomagnetic activity, night-time propagation conditions are expected to be very good, with sufficient F-layer ionization to permit good DX possibilities on higher HF bands. However, fading and signal flutter will dominate the higher latitude paths. During periods of potentially strong geomagnetic activity, propagation conditions will deteriorate significantly over most latitudes. High latitudes may experience severe flutter and absorption during these periods. But overall average conditions during January and February should be relatively good.

VHF radio propagation conditions are expected to be normal to above normal in January and February. Frequencies near the 6 meter wavelengths are expected to be particularly enhanced during early January and possibly February as well. Openings above 50 MHz are anticipated during the early part of 1991, due to the increased ionization and enhanced MUF's. There is a good chance for auroral backscatter communications on all VHF bands during magnetic storm periods. If the intensity of magnetic storming materializes, widespread VHF auroral backscatter communications may become possible over high and middle latitudes, with a slight possibility for low-latitude auroral backscatter as well. Conditions should then fall to normal or slightly below normal levels from March until about June or July 1991.

RECENT SOLAR INDICES (PRELIMINARY) OF THE OBSERVED MONTHLY MEAN VALUES
Updated for November, 1990

	Sunspot Numbers					Radio Flux		Geomagnetic	
	Observed		Ratio	Smooth Values		Ottawa	Smooth		Smooth
	SESC	RI	RI/SESC	SESC	RI	10 cm	Value	Ap	Value
				YEAR = 1988					
Dec:	229.5	179.2	.78	180.1	137.4	199.8	184.8	13	16.5
				YEAR = 1989					
Jan:	203.2	161.6	.80	189.2	141.9	235.4	190.2	19	16.7
Feb:	211.0	164.5	.78	196.0	144.7	222.4	194.0	15	17.0
Mar:	176.8	131.0	.74	204.1	149.4	205.1	199.7	41	17.6
Apr:	172.3	129.3	.75	209.9	153.1	189.6	204.4	23	18.2
May:	207.0	138.4	.67	216.4	156.5	190.1	209.3	16	18.8
Jun:	297.3	196.0	.66	220.1	157.9	239.6	213.1	17	19.2
Jul:	193.9	126.8	.65	221.1	158.1	181.9	212.6	8	19.1
Aug:	243.0	166.8	.69	221.5	157.4	217.1	209.7	20	19.3
Sep:	240.7	176.8	.74	221.3	156.3	225.9	207.2	17	18.8
Oct:	217.4	158.5	.73	223.2	157.1	208.7	206.3	21	18.3
Nov:	255.0	173.0	.68	223.4	157.3	235.1	206.1	19	18.4
Dec:	217.8	166.1	.76	217.3	153.3	213.0	203.3	16	18.4
				YEAR = 1990					
Jan:	239.3	179.4	.75	212.4	150.3	210.1	200.4	14	18.6
Feb:	184.7	128.4	.71	213.9	152.5	178.3	200.5	23	18.8
Mar:	198.6	140.8	.71	212.7	151.7	188.8	198.7	23	18.6
Apr:	196.1	139.8	.71	210.5	149.0	185.3	195.6	27	18.2*
May:	187.7	132.0	.70	208.1	146.7*	189.7	192.3*	16	17.5*
Jun:	168.9	105.2	.62			170.9		16	
Jul:	204.3	147.0	.72			180.7		14	
Aug:	269.4	199.9	.74			222.6		19	
Sep:	186.4	124.7	.67			177.4		14	

Oct:	219.0	145.2	.66	182.0	14*
Nov:	196.1	130.5*	.67*	183.1*	9*

* = Preliminary estimates

The lowest smoothed sunspot number for Cycle 21, RI = 12.3, occurred in September 1986. The preliminary sunspot maximum for this cycle (cycle 22) remains July 1989, with a peak smoothed sunspot number of 158.1.

DAILY SOLAR DATA FOR NOVEMBER, 1990.

ENERGITIC EVENT SUMMARY (MINOR AND MAJOR FLARES)

Date	Time (U.T.)			X-Ray	Optical Information			Sweep Freq. Intensity			
	Begin	Max	End	Class	Type	Location	Region	II	III	IV	V
04 Nov	1735	1741	1753	M2.1	1B	S21E15	6347				3
05 Nov	2306	2312	2337	M1.0	2B	S24E03	6350		1		
06 Nov	2040	2052	2124	M3.1	2B	N08E68	6361	1+			2
08 Nov	1508	1518	1550	M1.6	SB	N17W48	6355				
11 Nov	0420	0436	0516	M2.1	SF	N10E18	6361		1+		2
13 Nov	0442	0445	0449	M1.6	SN	N08W19	6361				
16 Nov	2345	2351	0000	M1.2	1N	N18E39	6368		1+		
17 Nov	1841	1848	1859	M1.1	SN	N18E26	6368		1		
	1931	1946	2025	M2.4	SF	N21E18	6368		1		2
	2239	2245	2252	M1.4	1N	N18E31	6368				
18 Nov	0010	0022	0036	M1.4	SN	N18E31	6368				
	1804	1814	1833	M1.3	1N	N19E21	6368				
19 Nov	0921	0938	0945	M2.4	Uncorrelated Event				2		
	0947	0954	1010	M3.5	1N	N18E08	6368				
	1334	1342	1356	M3.2	1F	N18E06	6368		1		
20 Nov	0953	1002	1014	M1.8	1N	N18W03	6368				
24 Nov	1412	1425	1509	M3.1	1B	S04E04	6377				
	2330	2346	0027	M1.2	SF	N16W64	6368	1+			
25 Nov	0315	0322	0335	M1.1	SN	S04W02	6377				
	1851	1905	1948	M1.5	1F	N18W71	6368				
	2219	2229	2246	M1.8	SF	N19W74	6368		3		2
26 Nov	1649	1651	1656	M1.4	SF	N19W80	6368		1		
	2312	2317	2329	M7.5	1N	N18W90	6368		1		
27 Nov	0459	0512	0529	M1.5	Uncorrelated						
29 Nov	1326	1346	1420	M1.1	Uncorrelated						

NOTES:

- Xray Flare Classes (weak to strong): C, M, X (with sub-categories rated from 0.0 to 9.9 in each class).

- Optical Flare Classes (weak to strong): S, 1, 2, 3, 4 (with an attached figure identifying brightness: F-Faint, N-Normal, B-Brilliant).

- Locations are given in latitude and longitude as measured from the central solar meridian.

- Sweep Frequency Intensity represents the intensity of detected solar radio frequency bursts (bursts sweep over large frequencies). Type II and IV almost always represent ejection of solar material through the solar corona and into interplanetary space. Intensities are rated from 1 to 3+.

GENERAL DAILY SOLAR STATISTICS

Date	Radio Flux Ottawa 10.7 cm	Sunspot Number	Sunspot Area mil.sq.km.	Flares						
				X-Ray			Optical			
				C	M	X	S	1	2	3
01 Nov	145	97	2,790	4	0	0	8	0	0	0
02 Nov	140	112	2,260	1	0	0	3	0	0	0
03 Nov	151	170	2,340	3	0	0	6	0	0	0
04 Nov	156	227	2,760	6	1	0	21	1	0	0
05 Nov	170	267	3,240	15	1	0	24	2	1	0
06 Nov	198	280	4,260	10	1	0	35	2	1	0
07 Nov	215	262	5,940	10	0	0	13	0	0	0
08 Nov	212	294	6,060	13	1	0	21	4	0	0
09 Nov	202	287	5,070	12	0	0	22	2	0	0
10 Nov	193	228	4,830	9	0	0	22	0	1	0
11 Nov	197	274	4,050	6	1	0	25	2	0	0
12 Nov	194	253	3,630	11	0	0	24	2	0	0
13 Nov	186	176	4,560	7	1	0	13	3	0	0
14 Nov	202	194	6,810	12	0	0	29	1	0	0
15 Nov	212	155	9,390	12	0	0	17	1	0	0
16 Nov	210	123	9,450	16	1	0	20	3	0	0
17 Nov	223	179	11,490	19	3	0	21	5	1	0
18 Nov	203	216	10,200	24	2	0	37	1	0	0
19 Nov	196	152	8,400	18	3	0	20	3	0	0
20 Nov	190	156	8,160	14	1	0	15	3	0	0
21 Nov	182	171	7,590	14	0	0	14	1	0	0
22 Nov	181	183	7,260	10	0	0	5	0	1	0
23 Nov	176	186	7,740	14	0	0	24	2	0	0
24 Nov	171	170	6,480	11	2	0	27	3	0	0
25 Nov	167	144	5,910	6	3	0	32	2	0	0
26 Nov	157	136	3,420	11	2	0	14	2	1	0
27 Nov	157	149	2,580	10	1	0	7	1	0	0
28 Nov	170	195	1,830	10	0	0	8	0	0	0
29 Nov	165	227	2,130	5	1	0	9	1	0	0
30 Nov	172	219	2,610	10	0	0	14	2	0	0

** End of Report **

From -4521147348919702187

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a8caaa5da9f9f19f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-24 20:27:22 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Just a reminder...
Message-ID: <823.27766602@w8grt.fidonet.org>
Date: 25 Dec 90 01:31:14 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 52

(72)   Sun 4 Nov 90 10:42p
By: "CAL-LAB ", MS:JER2-85 TEL:7589
To: All
Re: MARS Traffic to Gulf Region
St:

@UFGATE newsin 1.27
From: RHAREL%FAB8@SC.INTEL.COM ("CAL-LAB ", MS:JER2-85 TEL:7589)
Date: 4 Nov 90 14:41:00 GMT
Organization: The Internet
Message-ID: <9011041721.AA14589@ucsd.edu>
Newsgroups: rec.ham-radio

>>From: sdd.hp.com!wuarchive!emory!auc!dag@ucsd.edu (Daniel Gibson)
>>Subject: Finding a MARS operator close to Saudi Arabia with an account on the network

>>HELP!!!!!!!! I am looking for a MARS operator that is on
>>the network. The reason is that I am hoping that I could
>>send my messages to that person and that later on
>>they could deliver it. I am trying I guess to be innovative
>>a little(well maybe not) in doing this. Hopefully this person or
>>persons will be closer to Saudi Arabia than I am now when I
>>send a MARS message.

>>Is there anybody out there?

>>Thank-You

>>Dan Gibson

Hello Dan,

There is a packet BBS running out of the American Embassy in Saudi Arabia using the callsign 7Z1AB. The BBS is intended for handling mail only traffic for deployed U.S. military personel stationed in the Gulf region.
If you're intentions are to pass traffic through the net, you can E-mail a note to Jim Stone - who set up the link, explaining how much traffic will be passed and work out the logistics.

the E-Mail address for Jim Stone is:

"Jim%taueng.bitnet@mitvma.mit.edu"

Good luck
es 73,
Rich

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -2443209105323544217
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c9285f150c321a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-24 20:29:01 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: Thanks for the traffic...and now something really important :-)
Message-ID: <1990Dec24.225030.5833@NCoast.ORG>
Date: 24 Dec 90 22:50:30 GMT
References: <1990Dec23.194759.21773@eng.umd.edu> <108@w3vh.UUCP>
Reply-To: allbery@ncoast.ORG.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 22

As quoted from <108@w3vh.UUCP> by rolfe@w3vh.UUCP (Rolfe Tessem):

```
+---------------
| >usenet that don't know the difference between "loose" and "lose".  For the
|         ====
|
| This is a minor nit to pick, but I have noticed that there are gobs of people
| on usenet who don't know the difference between "that" and "who".  For the
| last time:
|
|    that - inanimate object
|    who - person or persons
+---------------
```

Actually, my high school and college English teachers taught that the use of "who" is now discouraged....

++Brandon

```
--
Me: Brandon S. Allbery              VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR              AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
```

```
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

```
From -8806961216854964061
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c9285f150c321a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-24 21:03:27 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: Thanks for the traffic...and now something really important :-)
Message-ID: <1990Dec25.043505.18054@athena.cs.uga.edu>
Date: 25 Dec 90 04:35:05 GMT
References: <1990Dec23.194759.21773@eng.umd.edu> <108@w3vh.UUCP>
<1990Dec24.225030.5833@NCoast.ORG>
Organization: University of Georgia, Athens
Lines: 22

In article <1990Dec24.225030.5833@NCoast.ORG> allbery@ncoast.ORG.ORG (Brandon S.
Allbery KB8JRR) writes:
>As quoted from <108@w3vh.UUCP> by rolfe@w3vh.UUCP (Rolfe Tessem):
>+---------------
>| >usenet that don't know the difference between "loose" and "lose".  For the
>|         ====
>|
>| This is a minor nit to pick, but I have noticed that there are gobs of people
>| on usenet who don't know the difference between "that" and "who".  For the
>| last time:
>|
>|   that - inanimate object
>|   who - person or persons
>+---------------
>
>Actually, my high school and college English teachers taught that the use of
>"who" is now discouraged....
>
  No, they didn't. They probably told you that if you can't distinguish
  between "who" and "whom" you can do without "whom" and just use "who".

  But the distinction is easy to make. It's exactly the same as the
  distinction between "he" and "him".
```

```
From -6495484128360839776
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1e7a6f0f27eef25d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-24 21:12:55 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!aplcen!wb3ffv!howardl
From: howardl@wb3ffv.ampr.org ( WB3FFV)
Newsgroups: rec.ham-radio
```

Subject: The Amateur Radio BBS - UPDATE
Keywords: ham amateur BBS
Message-ID: <3808@wb3ffv.ampr.org>
Date: 24 Dec 90 20:05:53 GMT
Organization: Advanced Business Solutions - Baltimore , MD
Lines: 68

+--+

HOW TO ACCESS THE WB3FFV AMATEUR RADIO TELEPHONE BBS !!!

I have placed a BBS system on-line that is mainly oriented towards the Amateur Community (but there is other stuff on-line). As of now I have not attempted to promote this system any place except in the amateur channels (PACKET, USENET, & word of mouth), and will continue under this policy, as I hope to keep it oriented toward amateur radio. The various software for UP/DOWNload is available via telephone dialup and Packet TCP/IP, and through user support I hope to keep the latest and greatest ham software on-line. Below is the information that is needed in order to access the BBS via Telephone -or- TCP/IP, please pass it around to as many ham's as possible.

System Name: WB3FFV
User Login: bbs
Number: (301)-625-0817 -- 1200 & 2400 (Non-MNP)
Number: (301)-625-9482 -- 1200 & 2400 (MNP5), 4800 & 9600 V.32 (V.42/MNP5)
Number: (301)-625-9663 -- 1200 & 2400 (MNP5), 9600 & 19200 (PEP)
Data Settings: 8 Bits, NO Parity, 1 Stop Bit
Times: 24hrs/365days (except for routine maintenance)
Software: XBBS (UNIX/Xenix Multiuser BBS)
IP Address: 44.60.128.1 {wb3ffv.ampr.org} [for FTP access on 145.650 mhz ONLY]
Misc. Info: Machine is an 80486 computer running UNIX V.3.2 and features 700 Meg of on-line storage. Most transfer protocols are available!!

I attempt to keep the latest and greatest HAM software on-line, and encourage all to upload anything new that they come up with, as it is of benefit to all. Here is a sample of a couple pieces of software that is available for DOWNLOAD:

KA9Q TCP/IP Software for the PC (Latest OFFICIAL release + TEST Versions)
KA9Q TCP/IP for the Atari-ST, MAC, & Amiga
KA9Q TCP/IP for UNIX based systems
KA9Q TCP/IP (The NOS release) [UNIX, MS/DOS, Amiga]
KA9Q TCP/IP (Version by G1EMM, PE1CHL, PA0GRI, Etc.)
WA7MBL BBS for the PC (Versions 3.31, 4.31 & 5.1[2,3,4])
W0RLI BBS for the PC (Versions 6.xx, 7.xx, 8.xx, 9.xx, 10.xx)
MSYS BBS for the PC running KISS TNC's (Version 1.09)
AA4RE BBS for the PC (Version 2.10)
Various BBS utilities and enhancements
Several MORSE CODE Tutors
TheNet software by NORD><LINK (Version 1.01)
Modifications for many HAM Rigs and Scanners

Digital Signal Processing software (DSP)
DX and contesting programs
ARRL Newsletters & Gateway
W5YI Electronic Edition

There is much more available on the BBS, and I don't want to waste a lot of PACKET BBS space trying to list it all, so if you are interested give it a call and see for yourself !!!

If you are interested in using UUCP to connect to the BBS, this can also be done as I support Anon-uucp. The login to the system is 'uucpanon', and there is NO password. The listing of avalible archives are stored in a file called 'FILES', and it is located in the /usr/spool/uucppublic. To retrieve the files listing just use the following command:

```
uucp wb3ffv!~/FILES /usr/spool/uucppublic
```

This will move a copy of my files listing into your uucppublic directory. If you have any questions or problems, feel free to contact me at one of the numbers/adresses below. Good Luck...

HAPPY HOLIDAYS!!

```
From -5671154377907591130
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,104f926a66276233,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-24 21:53:09 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!NS.CC.LEHIGH.EDU!TWB0
From: TWB0@NS.CC.LEHIGH.EDU (Thomas W. Brown)
Newsgroups: rec.ham-radio
Subject: Ham Radio Phone BBS List 1/91
Message-ID: <9012250526.AA00181@ucsd.edu>
Date: 25 Dec 90 05:24:26 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 478
```

The following is a list of some telephone BBSs that support Amateur Radio. Some of these are strictly for hams, while others support "SIG's" (special interest groups) for hams or have radio-related files or message sections.

Disclaimer: Due to the increasing size of the list, it will only be distributed on the packet networks once or twice each year as a multipart bulletin. Some SysOps consider even the split-up messages to be an overwhelming burden to the network and will inevitably block them, so if you do not receive it via packet, you should download the file HAMPHONE.91 from the Ham Radio archive section of SIMTEL20 (wsmr-simtel20.army.mil on Internet), from the K4NGC phone BBS at (703) 680-5970, or from the WB2COY phone BBS at (914) 485-3393.

If you call one of these BBS's and find nothing to indicate it's relationship to Ham Radio or find that it has been disconnected, let me know so I can archive it and clean up the list. I can't gaurantee the accuracy of this list, but I do strive to keep it as up-to-date as possible. Please send any updates, changes, or comments to me. 73, Tom Brown KA2UGQ.

Packet: KA2UGQ @ KA2UGQ.NJ.USA.NA
ARPA: twb0@ns.cc.Lehigh.EDU
BITNET: twb0@lehigh.bitnet
UUCP: ..!uunet!twb0@lehigh.bitnet
ICBM: 40 40' 47" N, 74 25' 03" W

Verification status (symbol after phone number):
'*'=verified, '+'=busy when called, '?'=questionable, ' '=unknown
':'=new/updated number (since 7/89 list)

'Speed' codes are as follows:
3=300, 1=1200, 2=2400, 9=9600
T=9600-19200 baud (Telebit/Trailblazer/Ventel modem)
U=US-Robotics HST 9600-38400 baud
V=Hayes V-series 4800-9600 baud
M=MNP error correction available
>=PC Pursuitable

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Phone-Number Name                 SysOp                Location           Speed
============ ==================== ==================== ================== =====
201-245-6614+The Micro Room       WA2BFW               NJ                 312
201-271-4517+WB2TIX Radio BBS     WB2TIX               Bound Brook, NJ    3
201-332-6098+Edgelight Online BBS KB2BLE               Jersey City, NJ    12
201-385-1693 Radio CMBS           ?                    NJ                 2
201-387-8898:ROSE Switch Support  (login: rats)        NJ                 ?
201-423-4258+Computer Nookery     ?                    NJ                 ?
201-486-2956:Computer Forum of NJ ?                    NJ                 UV
201-494-3417+Planet Shadowstar    N2HGY, N2HBN         Edison, NJ         31
201-494-3649+Micro-Fone TBBS      K2SHY                Metuchen, NJ       312
201-636-7499:The Micro Forum      KC2WZ                NJ                 31
201-694-8122+Sonnet Center        Jim Sonnet           Mountain View, NJ  312
201-729-7056 ?                    ?                    Sparta, NJ         312
201-757-1491+Holly Park PBBS      Dick Roberts         Piscataway, NJ     312
201-827-7815+Al's Cabin HST       ?                    Ogdensburg, NJ     ?
201-918-0683*KA2QHD Packet/UNIX BBS (login: guest)     Wayside, NJ        31
202-280-5490:Capital Connection   KB4ZSS               Washington, DC     UV
203-228-1708:Crystal Mountain     Tomas Hood           Hebron, CT         ?
203-236-3761:Bruce's Bar & Grill  Bruce Lomansky       CT                 ?
203-237-1717 Summa Zulla Znode 43 KA1TB                Meriden, CT        31
203-261-6434 Trumbull Mini        WA1QKS               Trumbull, CT       312
203-366-1234+Dave's FIDO          ?                    Bridgeport, CT     31
203-431-4687+Source of Magic      B&J Sanders          Ridgefield, CT     ?
203-438-9908 Orions Nebula        N1CUI                CT                 ?
203-563-6455+Hart-Metro Opus      ?                    Whethersfield, CT  ?
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203-628-4644:Farm at Milldale     ?                    Milldale, CT       ?
203-665-0090:ARRL Field Service   ?                    Newington, CT      ?
203-674-1802+Teletalk Medical BBS Maynard Marquis      Farmington, CT     UV
203-753-8351:CoCo Byte            David Yale           Waterbury, CT      ?
203-846-3522:NORAD                Bill Hurlock         Norwalk, CT        U
203-865-6960:EarthStation 101     Matt Valleau         New Haven, CT      U
203-888-8375:Dave's Bar & Grill   KA1TFB               CT                 ?
205-598-6079 Elmer BBS            WA6LMM/4             Fort Rucker, AL    3
205-649-2894 Mobile Alabama BBS   NN4Y                 Mobile, AL         31
205-758-5017 The Bulletin Board   W4WYP/WD4DAT         AL                 3
205-853-6144:Bham Sperry, 60M     Jack Efird           Birmingham, AL     UV
205-987-9818 Superboard           ?                    AL                 31
205-988-4816?Superboard           ?                    AL                 31
206-565-1476 The Forum            ?                    Tacoma, WA         ?
206-566-1155:AmoCat BBS           Rich Langsford       Tacoma, WA         U
206-566-8854:Puget Sound Gateway  Stephen Butler       Puyallup, WA       U
206-637-2398:Seattle Software Exc LeRoy DeVries        Seattle, WA        U
206-763-8879 Sea-Comm 80          W7TWU                Seattle, WA        31
206-767-3223+Amateur Radio Supply WB7EWO/W7PV (6PM-9AM)Seattle, WA        3
206-774-9566:Brier Patch          ?                    WA                 ?
206-783-4818 Hi-Tech BBS          W7UZB                Seattle, WA        31
207-495-2490:I.A.R.N.             K1MAN                Belgrade Lakes, ME ?
212-380-3864+Atari BBS            K2BSM                NY                 ?
212-645-2176 Metro CPU            ?                    NY                 ?
212-781-4723+Friends              WB2RSI               New York, NY       312>
213-370-4113+Long Island RB       ?                    CA                 ?
213-376-6221 Beach City           KB6MND               CA                 31
213-376-9567+Beach Cities         ?                    Redondo Beach, CA  ?
213-377-0450 Amateur World        N6OQU                Palos Verdes, CA   31
213-466-3861+Hatzlacha BBS        ?                    Los Angeles, CA    ?
213-541-2503 WB6YMH (GFRN) RCP/M  WB6YMH               Palos Verdes, CA   312
213-761-8284:Kenwood Radio Inc.   ?                    CA                 ?
214-223-0983 ?                    Mark Collard         Dallas, TX         31
214-394-7438 Datalink BBS-AMSAT   N5ITU                Dallas, TX         319V
214-517-4958:Ham Shack            Michael Stone        Plano, TX          ?>
214-960-2730 NN5I BBS             NN5I                 TX                 31
215-233-4313:Ham Net BBS          N3FAD                Philadelphia, PA   312
215-482-0262 PARA Time Warp       W3IX                 Philadelphia, PA   3
215-568-2137 LBARA bbs (login: lbara, password: hams)  Philadelphia, PA   12
215-572-5890 WA3DSP BBS           WA3DSP               Glenside, PA       31
215-584-1412+System-2             ?                    Norristown, PA     ?
215-628-9265 K4KWW BBS            K4KWW                PA                 ?
215-678-9334 File Cabinet         ?                    PA                 UV
215-827-7689 K3DSM BBS            K3DSM                Malvern, PA        ?
215-948-0593+K3DSM BBS (?)        K3DSM                Malvern, PA        ?
216-349-4515:Infoguide            Josef Stiene         Cleveland, OH      U>
216-526-9480:AMCOM                Bill Poissant        Cleveland, OH      ?>
216-526-9481:AMCOM                Bill Poissant        Cleveland, OH      ?>
216-526-9482:AMCOM                Bill Poissant        Cleveland, OH      U>
216-526-9485:AMCOM                Bill Poissant        Cleveland, OH      U>
216-526-9489:AMCOM                Bill Poissant        Cleveland, OH      UV>
216-526-9490:AMCOM                Bill Poissant        Cleveland, OH      ?>
216-529-0121:Signal BBS           Howard Laymon        Cleveland, OH      ?>
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216-545-0093 Steel Valley Opus    ?                    Girard, OH         ?
216-661-9065:Comstar              Roger Dye            Cleveland, OH      U>
216-745-7855 Akron Computer Group WA8SNF               Akron, OH          3
216-777-4569:Connections II       Ryan Wilkins         Cleveland, OH      ?>
216-867-6984:Buckeye Hamshack     ?                    OH                 ?
216-883-0578+Auer Register        ?                    Cleveland, OH      ?
216-942-6382:Hamnet               David Speltz         Cleveland, OH      U>
216-942-7516:Hamnet               David Speltz         Cleveland, OH      V>
216-951-4287:Eastlake             Ken Bayko            Cleveland, OH      U>
217-529-6452:Capitol City BBS     K9UAB                Springfield, IL    U
218-525-1788 ?                    Ron Carlson          Duluth, MN         31
219-875-6430 Indiana Computer     ?                    IN                 ?
301-272-5313+Aberdeen Interface   ?                    Aberdeen, MD       31
301-335-0858*WB3FFV multiuser BBS (login: bbs)         Chase, MD          12
301-335-1955*WB3FFV multiuser BBS WB3FFV               Chase, MD          1T
301-350-1299+Mad Faces BBS        Kim Wells            Largo, MD          31>
301-388-1517 Dead Zone            ?                    Baltimore, MD      ?
301-454-0360 No Place Like Home   ?                    College Park, MD   ?
301-495-7323+Nat. Capitol Wing    ?                    MD                 ?
301-540-1378+WB6RQN Usenet gtwy.  WB6RQN               Germantown, MD     ?
301-540-9095+WB6RQN Usenet gtwy.  WB6RQN               Germantown, MD     ?
301-574-1984 Berkshire Board      ?                    Essex, MD          ?
301-590-9629 3 Winks RBBS         W3INK                Gaithersburg, MD   31
301-599-7651:Mad Faces BBS        Kim Wells            Upper Marlboro, MD ?
301-621-9669:Around & About       WA3TKW               MD                 ?
301-670-9621 3 Winks              W3INK                Gaithersburg, MD   31
301-725-1072:F.C.C. PAL Hotline   FCC                  MD                 ?
301-725-8307:Maryland Radio Cntr  ?                    MD                 ?
301-797-5238 RadioData Plus       ?                    Hagerstown, MD     ?
301-797-9408:SuppleMental Service Woody Sherman        Hagerstown, MD     ?
301-831-5954:WJ3P Exchange        Lucas Spiros         Mt. Airy, MD       ?
301-831-9012:Thundr Bay Trad Post WA3ZLB               MD                 ?
301-869-7650:3 Winks              W3INK                Gaithersburg, MD   ?
301-926-8187 3 Winks              W3INK                Gaithersburg, MD   31
301-967-3309 Ronnies Roadies      ?                    MD                 ?
303-497-5000:NOAA (propagation +) NOAA                 Boulder, CO        ?
303-497-5042:NOAA 3 line rotary   NOAA                 Boulder, CO        ?
303-497-6968 Boulder FIDO         ?                    Boulder, CO        ?
303-534-4646 The Comm-Post        Brian Bartee         Denver, CO         9
303-593-0766 HIP Shack Fido BBS   N3EUA                Colo. Springs, CO  312
303-781-1079 Photo Tech           ?                    CO                 31
303-972-9600 Microlink            ?                    Denver, CO         9
304-273-4136 ?                    Emmett Earley        Ravenswood, WV     3
305-325-8709:Medical Software Exc ?                    FL                 ?
305-382-6687:Right Connections    N4LDG                Miami, FL          ?
305-773-5033 Computer Hustler     ?                    Satellite Beach,FL 31
305-859-9443 Orlando Communicator WA4GIF               Orlando, FL        31
305-973-1947 The Eye of Osiris    ?                    Boca Raton, FL     31
305-997-5849 Megasystems Online   ?                    Boca Raton, FL     31
306-244-8378 Software Library     ?                    Saskatoon, SK      ?
306-347-4493 Regina Fido BBS      ?                    Regina, SK         ?
306-586-1551 Polestar Opus        VE5EK                SK                 312
309-688-0604 ANARC BBS            ?                    Peoria, IL         ?
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312-394-0071 Samson               ?                    Arlington, IL      ?
312-491-2611 Chicago Business     ?                    Evanston, IL       ?
312-529-1586 Elk Grove Repeater   N9DKO                Roselle, IL        31
312-630-6282 COPH Mail            ?                    Chicago, IL        ?
312-674-1638:Bill's PCBoard       William Knopp        Lincolnwood, IL    V>
312-776-5561:N9CSA Ham & Hobby    Jay Serafin          Chicago, IL        ?
312-790-0187:Cope of Chicago      KB9X                 Chicago, IL        ?
312-790-4688 The Generic BBS HST  ?                    Glen Ellyn, IL     ?
313-239-9690 Flint BBS            N8DYB/(KA8OCN?)      Flint, MI (?)      31
313-291-2520:Genesis II           WB8ZPN               MI                 ?
313-482-4436:Somewhere in Time    Keith Mottley        Ypsilanti, MI      ?
313-629-2854 Flint Area BBS       KA8OCN               Flint, MI          31
313-649-6213:Blue Water TBBS      ?                    Birmingham, MI     ?
313-759-6569*Royal Oak RCP/M      W8SDZ                Royal Oak, MI      31
314-422-3927 Vienna City Limits   KD0PJ                Vienna, MO         312V
314-436-0730:Boatmen's Bancshare  KE0KO                MO                 ?
314-447-3003:AMSAT-NA PBBS        ?                    MD                 ?
314-837-5422:Cindex Tech Support  KB0FMQ               Florissant, MO     ?
314-965-0477:Cat Box BBS          ?                    MO                 ?
315-697-3996:Random Access BBS    KB2ECI               Canastota, NY      312
316-943-6030:Wichita BBS          KE0TV                Wichita, KS        ?
317-353-9981:Someplace BBS        Mike Shepard         Indianapolis, IN   U
317-654-6555:The Friendly BBS     Jason Seabolt        Frankfort, IN      ?
317-882-4454:IBM-Net Connection   Rex Hawkins          Indianapolis, IN   U
317-882-5575:IBM-Net Connection   Rex Hawkins          Indianapolis, IN   U
317-882-9330:Southside BBS        KB9BVN               Indianapolis, IN   U
318-443-0271:Amer. Silver Dollar  Tom Palko            LA                 ?
318-688-7078+NoChange #2          Mike Berry           Shreveport, LA     31
318-797-8310 Net 380 Host         ?                    LA                 ?
319-351-8783 Opus Board           ?                    Iowa City, IA      ?
319-377-0004 Cedar Valley Mill    ?                    Cedar Rapids, IA   ?
319-393-4499*Cedar Valley Datanet ?                    Cedar Rapids, IA   ?
319-432-6586 US Amateur TV Society?                    Mechanicsville, IA ?
319-557-9659 Sunshine BBS         ?                    Cedar Rapids, IA   3
401-521-2931:Telecom Central      ?                    RI                 ?
402-421-1963:Southwest Lincoln    ?                    Lincoln, NE        ?
403-254-0155:S. Alberta Rptr Assoc?                    ALTA, Canada       ?
403-464-5069:Alta Packet Info     ?                    ALTA, Canada       ?
404-289-2050+No Frills BBS        WB4LBM               Decatur, GA        3
404-320-6202:AV Sync BBS          ?                    Atlanta, GA        ?
404-355-5625:Visions              Kevin Pierce         Atlanta, GA        U
404-363-1640+Hams Bulletin Board  WA4CBT               Forest Park, GA    31
404-476-7970 Ham Board One        ?                    GA                 31
404-487-1376:Star Trek Connection Eddie Ferguson       GA                 U
404-491-6365 Flagship Express     KC4ME                Atlanta, GA        12
404-493-4708 Randy's BBS          ?                    GA                 31
404-546-7857 Athens Forum         ?                    Athens, GA         ?
404-834-9097 Commodore Msg. Ctr.  KB4EUX               Carrollton, GA     3
404-929-0800 Atlanta Connection   ?                    Atlanta, GA        ?
404-949-0687+Lockheed Amateur BBS ?                    GA                 31
404-949-3610:Perfect World        Bill Tinsley         Atlanta, GA        U
404-964-5277:Greyhound Opus       John Miller          GA                 ?
406-256-8717 ?                    Dave Williams        Billings, MT       31
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407-269-5188:Tech Talk            ?                    FL                 ?
407-649-9834:EABBS Media Board    ?                    Orlando, FL        ?
407-774-7371:Aerospace Info       Mike Pompura         Orlando, FL        ?
407-879-4823:PCLogic              W4NVC                FL                 ?
408-247-8307 MacScience BBS       N6PHJ                CA                 12
408-251-4926 Tranquility Base #1  ?                    San Jose, CA       ?
408-667-2256:Freq Scan            Tim Ames             Big Sur, CA        ?
408-674-5048 Elmer II             WA6LMM               Greenfield, CA     31
408-683-0338:S2C2 BBS             ?                    CA                 312
408-866-4933:MAC Science BBS      Ray Terry            Campbell, CA       ?
409-838-3761 Lamar University BBS WB5VNX               Galveston, TX      3
412-243-5880 Neverboard SWL hub   ?                    Pittsburgh, PA     ?
412-266-5947 Bridger              Ambridge Schools     Ambridge, PA       ?
412-427-4488 AMRG #101            ?                    Pittsburgh, PA     ?
412-766-0732:Blinklink            William Wilson       PA                 ?
413-256-1037 Pioneer Valley PCUG  ?                    Amherst, MA        9
413-443-6313 VETLink #1           ?                    Pittsfield, MA     ?
413-684-2886 Mountain Top         ?                    Windsor, MA        ?
413-967-9541:Quaboaq Valley Xfer  Gary Reardon         Ware, MA           ?
414-282-4181 Midwest Communicator ?                    Milwaukee, WI      ?
414-543-0988 Milwaukee City ARES  WB9YSG               Mil. City, WI      3
414-548-9866:Milwaukee Heath Usrs KA9TGN               Milwaukee, WI      ?
414-738-1219 Applegate            ?                    Appleton, WI       ?
415-481-0252:No_Name BBS          N6MON                CA                 ?
415-574-3663:Toad Hall            J Thaddeus           San Carlos, CA     ?
415-595-2427:Toad Hall            J Thaddeus           San Carlos, CA     ?
415-651-4147 Sonshine             ?                    Fremont, CA        ?
415-659-9169 RSVP BBS             ?                    Fremont, CA        ?
415-752-6172 Midnight BBS         ?                    CA                 ?
415-858-0363 Packet UNIX BBS     (login:packet pw:net) CA                 ?
415-943-6238 Diablo Valley PCUG   ?                    Walnut Creek, CA   ?
415-961-7250 BBS-JC               K6LLK                CA                 312
416-231-0669 Humber Queensway BBS VE3OOZ               Toronto, ON Canada 31
416-252-9692?Humber College BBS   VE3OOZ (?)           Toronto, ON Canada 3
416-431-6836 Connection           ?                    Toronto, ON Canada ?
416-598-1934 Boards Galore        ?                    Canada             ?
416-827-0704:Amateur Radio BBS    Phil Thompson        Oakville, ON Can.  ?
416-985-9219:Triple RRR BBS       Robert Newcomb       Perry Point,ON Can.?
417-864-8820:Fire BBS             ?                    Springfield, MO    ?
417-869-5294 The Matrix           ?                    Springfield, MO    ?
419-885-7043 QRV, UNO del Norte   ?                    Sylvania, OH       ?
501-442-8777 TRS7 BBS             ?                    AR                 ?
502-267-7422:Deckman's Exchange   Dennis Deckman       Jeffersontown, KY  ?
503-233-3986:Sherri Lynn Knobel   Dick White           OR                 ?
503-296-4328 Dog House BBS        ?                    OR                 ?
503-655-9586:ASL Faction          Wayne Silsbee        Oregon City, OR    ?
504-273-3116:HelpNet Baton Rouge  W5KGG                Baton Rouge, LA    ?
504-395-5655 Bit-by-bit RBBS      WB3ABN               Patterson, LA      312
504-469-3408:RBBS-PC              John Woodward        Metairie, LA       ?
504-643-6380 The ComPort AlterNet ?                    Slidell, LA        ?
504-834-2544 The Connection       Keith LaBorde        New Orleans, LA    3
505-646-5194?Teacher's Pet FIDO   K5XY/W4GHV           NM                 31
508-385-3427:KQ1K Salt Air BBS    Bob Baker            Dennis, MA         ?
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508-429-1784:CUL-DE-SAC BBS       WA1YDL               MA                 ?
508-688-1348:Pleasant Valley BBS  Steve D'Urso         Methuen, MA        U
508-949-3590:The Ham Shack        Don Eklund           Webster, MA        ?
509-276-6431*Touchstone           Susan Waters         WA                 ?
509-487-3900 Red Wolf Opus        ?                    WA                 ?
509-534-6866 ANARC BBS            ?                    Spokane, WA        ?
509-697-7298 Cent. Washington BBS K7NTV                Selah, WA          31
512-258-5528:Boardwalk Ham'n&Jam'n?                    TX                 ?
512-359-1748:The Electronic Ave.  KA5THB               TX                 ?
512-444-1052:Antenna Farm BBS     Ben Thornton         Austin, TX         ?
512-444-9908:Health Link          Bruce Baskett        Austin, TX         ?
512-496-9373 The Rampant Griffen  ?                    San Antonio, TX    ?
512-684-0786:Computer Exchange    ?                    San Antonio, TX    U
512-734-3521 Radio Flyer          KA5SWI               San Antonio, TX    3
512-837-0953 Jimnet BBS           WA5VLZ?              Austin, TX         ?
513-253-2017:Ham Shack            Dave Shard           Kettering, OH      ?
513-258-0971:Traders Cove         Bill Kahler          Dayton, OH         U
513-548-5128:Light in the Darke   John Desmond         OH                 ?
513-762-1115:KIC BBS              KA8AWY               OH                 ?
513-777-1234:PME-FIDO BBS         WB8BFW               OH                 ?
515-961-3325*W0RPK AMSAT BBS      W0RPK                Indianola, IA      312
516-293-2283 Radio ElectronicsBBS R.E. Magazine        Farmingdale, NY    31
516-472-0691 The Idea X-Change    N2AYB                Bayport, NY        31
516-561-6590 LICA LIMBS           WA2EXP               Long Island, NY    319
516-581-1896:Amat.Radio Sell.Post Lenny Buonaiuto      Long Island, NY    ?
516-661-3643 South Shore ARC      WB2VOZ               Long Island, NY    3
518-374-5298:Radio Freq's         ?                    Latham, NY         ?
519-578-9314 Amateur Radio BBS    Fred Hicks           Kitchener, ON Can. ?
519-660-1442 VE3GYQ BBS           ?                    ON, Canada         ?
602-235-9653 Health Info-Com Net  (Usenet port)        Scottsdale, AZ     ?
602-495-1797:Neighborhood Net     Mike Volckmann       AZ                 ?
602-742-1551 Bit Bucket           ?                    Tuscon, AZ         ?
603-424-0923 VaxCat               Mark Buda            Merrimack, NH      ?
603-424-5497*Stateline BBS        Bob Wescott          Merrimack, NH      31
603-525-4438:73 Magazine          KW1O                 Peterborough, NH   ?
603-547-6485 InterVisioN          ?                    Francestown, NH    ?
603-783-4239 Info Biz             ?                    Canterbury, NH     ?
603-883-4466:The Legal Beagal     K1TCD                Nashua, NH         ?
603-888-6999 Access-80            ?                    Nashua, NH         3
603-924-9809+73 Magazine          KW1O                 Peterborough, NH   31
609-652-2921+ACADEMIA             WB2DRD               Pomona, NJ         ?
609-652-4914:Stockton State Col   Tom McNally          Pomona, NJ         ?
609-652-4923:Stockton State Col   Tom McNally          Pomona, NJ         U
609-693-8849 Jersey Shore BBS     W2FJC                NJ                 31
609-859-1910*Pinelands RBBS       W2XQ                 Vincentown, NJ     312
609-893-2152:Citadel:K2NE         ?                    NJ                 ?
609-894-4366 N2EHM BBS            N2EHM                Pemberton, NJ      31
612-291-0567 Digital Newsletter   K0TG                 St. Paul, MN       31
612-377-3469 PC Info Exchange     ?                    Minneapolis, MN    ?
612-426-0000:Digital Newsletter   K0TG                 St. Paul, MN       ?
612-431-1149 HR Commodore Clique  WA0CQG               Apple Valley, MN   31
612-490-1187:Nick's Nest          Don Seiford          Vadnais Hills, MN  ?
612-920-L5MN NASA/ESA press rels. L5 Society           Minneapolis, MN    312
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613-542-9901 Dits & Bits          ?                    Kingston, ON Can.  ?
613-564-5672 Carleton U Opus      ?                    Ottawa, Canada     ?
614-267-5441 Hot CoCo BBS         ?                    Columbus, OH       ?
614-279-2327:Scientific Columbus  David Hinerman       Columbus, OH       ?
614-294-5314 MARDUK II            ?                    OH                 ?
614-457-4227 Ham BBS (HBBS)       N8EMR                Columbus, OH       12T
614-895-2553:Ham BBS (HBBS)       N8EMR                Columbus, OH       ?
614-927-3644 Alternative BBS      ?                    Columbus, OH       ?
615-690-5467:Volunteer            Ed Dial              Knoxville, TN      V
616-263-7454:ST Paradise          Steve Finzel         Traverse City, MI  ?
616-363-7360:The Edge             Kevin O'Malley       Grand Rapids, MI   ?
616-393-3262 Edge CBCS            ?                    Grand Rapids, MI   ?
617-237-1511:Wellesley BBS        Heath Users Club     Wellesley, MA      ?
617-277-5577:Jesse's BBS          Jesse Cheng          MA                 ?
617-326-0259:Binex II             KB1S                 Westwood, MA       ?
617-471-0542:Tom's BBS            KA1TOX               Wollaston, MA      M
617-545-6239:Garden Spot BBS      Steve Johnson        Scituate, MA       ?
617-565-9136+WB3ABN BBS           WB3ABN               Boston, MA         31
617-598-6646:Baystate BBS         Steve Ryback         Lynn, MA           ?
617-720-3600:Future Tech          Bud Napier           Boston, MA         ?
617-923-7605 MassHam BBS          K1OJH                MA                 31
619-279-3921:RADIOSPORT           Steve Wilmet         San Diego, CA      U
619-390-7328:Lakeside Wildcat!BBS N6CQW                CA                 ?
619-549-3927 K3FWT BBS            K3FWT                San Diego, CA      ?
619-562-8758:Santee Experiment    Jim                  El Cajon, CA       ?
701-746-4814 Shortwave Network    ?                    ND                 ?
703-250-1837?SMA Scanner BBS      ?                    VA                 31
703-366-4299:Sparkie's Machine    KC4LWI               Roanoke, VA        U
703-435-0836+Sterling Info Exch.  KF4GL                VA                 3
703-528-7753:Longwave Database    ?                    Arlington, VA      ?
703-591-5744:Midnite Rider        Joe Reeves           VA                 ?
703-648-1841:Virginia Connection  Tony McClenny        Reston, VA         U>
703-680-5970*K4NGC Packet BBS     K4NGC                Woodbridge, VA     ?
703-689-7156:KC3OL BBS            KC3OL                VA                 ?
703-734-1387*AMRAD BBS            K8MMO                McLean, VA         31
703-734-1796:Issue Dynamics Inc.  Sam Simon            Washington, DC     ?
703-791-6198:Dos Spitzen Sparken  Dick Miller          Manassas, VA       ?
707-545-0746:Sonoma Online        Don Kulha            Santa Rosa, CA     ?
708-234-8011:Callbook BBS         Callbook Publishing  IL                 ?
708-394-0071:Samson BBS           Larry Migliore       IL                 ?
708-529-1586:Elk Grove Repeater   Glen Randles         Arlington Hgts, IL ?
708-790-0187:Cope of Chicago      Steve Bonine         IL                 ?
713-242-6041 KC5UP BBS            KC5UP                Houston, TX        312
713-280-8711:NASA Activities      NASA                 Houston, TX        ?
713-498-7996:Launch Pad           ?                    Houston, TX        ?
713-579-8979:Breakfast Club       Jimmy Vance          Katy, TX           ?
713-879-1448:ACOM II              Eddie Runner         Houston, TX        ?
713-937-9097:Broadcast Computer   David Armstrong      Houston, TX        V
713-955-7564:PCEVE                ?                    TX                 ?
714-275-9094:N6KZB BBS            N6KZB                CA                 312
714-636-2298:F.O.G.               Jim Ward             CA                 ?
714-681-0731 Ham Radio West       John Warren          Riverside, CA      312
716-544-1863 RFCARC               WA2ZKD?              Rochester, NY      312U
```

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716-663-8478:NF2G Online          David Stark         Rochester, NY      ?
716-672-8843 Computer Access Ctr. KA2NRC              Buffalo, NY        ?
716-694-0007 Real Programmers'    ?                   NY                 ?
717-561-8150:Megaboard            ?                   PA                 ?
717-876-0152:Northeast File Bank  Stuart Wilson       Jermyn, PA         U
718-268-2062 Apple Sauce BBS      ?                   NY                 ?
718-268-3173 WB2SQM BBS           WB2SQM              NY                 312
718-442-1056 New York Transfer    Bob Richards        Staten Island, NY  312
718-698-7875 Hamnet               ?                   New York, NY       31
718-761-5727*Programmers Corner   David Snyder        Staten Island, NY  ?
719-390-5318:Colorado Spr.Ham BBS Lee Sublett         Co. Springs, CO    ?
719-637-1375 Dits & Bits          ?                   CO                 ?
803-650-9022:Periscope            Walt Mayo           Myrtle Beach, SC   ?
803-871-3468 Tinbrain's BBS       ?                   Summerville, SC    3
804-249-8621 Diplomat BBS         ?                   Newport News, VA   ?
804-471-3360:Tidewater AR/CF      Jim Rhodes          VA Beach, VA       U
804-550-3338:Flamethrower         Jeffrey Loughridge  Richmond, VA       U
804-591-0736 Felicia              ?                   VA                 ?
805-942-0329 Superbyte            NE6I                Lancaster, CA      3
805-947-4357 WB6FIU Fido BBS      WB6FIU              Palmdale, CA       312
805-967-0895 Compucations BBS     ?                   Santa Barbara, CA  ?
806-352-2482:The Radio Board      Ron Chase           Amarillo, TX       U
806-352-9365:The Radio Board      Ron Chase           Amarillo, TX       ?
807-345-3991 CITINET              ?                   Thunder Bay, ON    ?
808-533-0190 Small Biz Help Net   ?                   Honolulu, HI       ?
812-332-7227 Indiana On-Line      WB9LWQ              Bloomington, IN    312UM
813-859-4800 DataLink             ?                   Lakeland, FL       ?
813-874-3078*Pac-Comm, Inc. BBS   KC2FF/W1BEL         Tampa, FL          312
813-920-8820:Prof Data Exchange   K8WVH               Tampa, FL          U>
814-255-OPUS Flood City's Opus    ?                   Johnstown, PA      ?
814-337-2021:Magical Mystery Tour Glenn Rudolph       Meadville, PA      U
816-241-1012 N0AJI BBS (a/c 314?) N0AJI               St. Louis, MO      3
816-331-5868 Howard's Notebook    ?                   Raymore, MO        ?
816-331-7023 Online II Ham Radio  ?                   Belton, MO         3
816-833-3427+Ham BBS              ?                   Independence, MO   3
817-531-4761:Dept of Electronics  KC5WE               Ft. Worth, TX      U
817-662-2361:FileQuest            Jim Ray             Waco, TX           U
818-967-3108?Dataline             N6ECN               Pasadena, CA       31
818-998-0319 CSC Ham BBS          K6IYK               Pasadena, CA       312
901-872-8385 CyberNet BBS         ?                   Millington, TN     ?
902-868-2475:VE1EI BBS            Doug Oldridge       Halfax, NS Canada  T
904-651-8684 Hot Muddy Duck       N4HMD               Pensacola, FL      31
904-733-4515+Jace                 ?                   Jacksonville, FL   ?
907-243-0324 CHSIE                K7TPN               Anchorage, AK      3
913-345-1978:ANARC                ANARC               Shawnee Mission,KS ?
914-365-0180 Mnematics Videotext  WA2IAC/(K2SK-HR SIG) Sparkill, NY      ?
914-485-3393 COYnet Ham Radio BBS WB2COY              Poughkeepsie, NY   31
914-667-9385:Joe Brown's BBS      ?                   Mt. Vernon, NY     U
914-695-2060:Onesty & Assoc.      Patrick Onesty      Middletown, NY     ?
914-738-6857 M&M's Pelham Public  ?                   Pelham, NY         ?
915-653-9077:HAMNET BBS           N5JZZ               TX                 ?
915-673-9668 Midnight Special     ?                   Abilene, TX        ?
915-755-3053 CrossRoads           ?                   El Paso, TX        ?
```

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915-944-1436:Teleport ][ BBS      Dori Peterson       San Angelo, TX     U
916-362-1755*Niteline             Rick Hight          Mather AFB, CA     U
916-366-5531 Amateur Radio Opus   Howard Evans        Rancho Cordova, CA ?
916-678-1535:WA6RDH BBS           WA6RDH              Dixon, CA          312V
916-920-1288:QST BBS              ?                   Sacramento, CA     ?
916-961-4921 Amateur Radio Opus   ?                   Sacramento, CA     ?
918-272-4327:Mac's Place          ?                   Tulsa, OK          ?
918-747-0250:Tulsa Ham & Eggcenter?                   Tulsa, OK          ?
919-353-0610 Broadcasting TBBS    ?                   Jacksonville, NC   3
919-460-0586 ALS BBS              ?                   Cary, NC           ?
919-779-6674:Micro Mesage Service Mike Strand         Raleigh, NC        ?
919-781-4203:Capitol Opus         ?                   Raleigh, NC        ?

Overseas phone #   Name / (SysOp)                     Location           Speed
================== ================================== ================== =====
011-03-512-5396(?) Radio Amateurs Club (Shlomo Musaali)L. Israel          ?
011-04-381-299 (?) The Miler House (4Z4RN)            L. Israel          ?
011-0485-60368 (?) SSA Databus                        Sweeden (?)        ?
011-31-35-45395    Radio Netherlands FIDO BBS         Hilversum, Holland 31
011-353-1-88-56-34 Dublin Users BBS (Swdn Calling DX?) Dublin, Ireland    312
011-44-707-52242   RSGB Databox                       United Kingdom     2
011-46-8-7564197   Ham Systems Base                   Stockholm, Sweeden ?
011-46-8-7495826   The Alley Cat                      Stockholm, Sweeden ?
011-47-2-267414    The Ham Chat                       Oslo, Norway       ?
011-47-34-59530    Dasan BBS                          Sandefjord, Norway ?
011-478-6703 (?)   B.E.S.T. (Mohamed Albatati)        Riyadh,Saudi Arabia?
011-54-1-51-9973   Gateway (LU7ABF)                   Buenos Aires, Arg. ?
011-54-1-764-4189  Telecom Net                        Buenos Aires, Arg. ?
011-852-0-459      Hamnet Hub                         Hong Kong          ?
011-852-0-581828   HAMNET                             Hong Kong          12

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Thomas Brown, KA2UGQ          BITNET: twb0@lehigh.bitnet
Lehigh University UC Box 855    ARPA: twb0@ns.cc.Lehigh.EDU
Bethlehem, PA  18015            UUCP: ..!uunet!twb0@lehigh.bitnet
(215) 758-0093                 AX.25: ka2ugq@ka2ugq.nj.usa.na

'You can't have everything...where would you put it?' -S.W.
```

From -3331879212471524284
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,90c0597e967396c1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-24 21:53:27 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: National Museum of Communications in Irvine TX?
Message-ID: <9012250538.AA00952@ucsd.edu>
Date: 25 Dec 90 05:37:44 GMT

Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10

Has anyone on this list been there? I saw a blurb at the community radio station where I work with a picture of a VOA control board that was used from late 50's to 70's. It looks like it might be interesting.
I'd be interested in hearing about other museums with interesting communications exhibits. I tried to see a Communications Museum in Leningrad when I was there a year and a half ago, but it was closed for renovation. I'm told there's a telephone museum in downtown San Francisco but I've not followed up on that yet.
73, doug

From -4540436402200176185
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55678181dcfcb51,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-24 23:01:49 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!SACEMNET.AF.MIL!812spg
From: 812spg@SACEMNET.AF.MIL ("812SPG")
Newsgroups: rec.ham-radio
Subject: PRO-2006 800MHz Mod
Message-ID: <9012250638.AA04897@ucsd.edu>
Date: 25 Dec 90 06:36:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18

I've recently purchased a REALISTIC PRO-2006 scanning receiver and have a question regarding a modification -- restoration of the disabled frequencies in the 800MHz area. I apologize if this is the 'umpteenth this question has been posed.

Browsing through the January 1991 issue of "Monitoring Times" magazine, there was a reference to simply cutting a wire and hitting a key. Sounds simple enough!

Anyone that might be able to provide more explicit instructions would sure be of help! (If you might also know of other simple modifications, it would be appreciated!)

Thanks in advance...

Larry Zielasko
812th Security Police Group
Ellsworth AFB, SD

From 6225320889123695359
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,fe89eebafae74fe6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,f9b121ebeb7953a
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-25 02:17:53 PST
Path: gmdzi!unido!mcsun!uunet!sco!gorn!deeptht!spcecdt
From: spcecdt@deeptht.UUCP (John DuBois)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Morse code program for PC .. here is
Summary: XENIX Morse generator
Message-ID: <119@deeptht.UUCP>
Date: 25 Dec 90 10:17:53 GMT
References: <1990Dec14.150715.4789@ssd.kodak.com>
Reply-To: spcecdt@deeptht.santa-cruz.ca.us (John DuBois)
Followup-To: rec.ham-radio
Organization: The Armory
Lines: 64
Xref: gmdzi sci.electronics:10357 rec.ham-radio:18462
```

Here's an awk text-to-Morse translator that will work on SCO consoles...

John DuBois
spcecdt@deeptht.santa-cruz.ca.us

```
:
# Morse to ascii translator
# John H. DuBois III    11/90
# Written for XENIX console; depends on SYSV tty modes (cr2)
# and SCO ANSI set-beep-length escape code
# Stuck at max ~8 wpm by shortest console beep & length of cr2 delay

# save tty mode so it can be reset
ttymode=`stty -g < /dev/tty`
# reset tty mode if program aborted
trap "stty $ttymode < /dev/tty" INT QUIT
# set cr2 so that cr delays can be used for timing
stty cr2 < /dev/tty
# set bell to 1/(1487*840.3ns) Hz (800 Hz), 100 mS duration
# note: bell is *not* reset at end of script,
# since there's no way to tell what it was set to from a script
echo -n "\033[=1487;1B"

tr '[A-Z]' '[a-z]' | awk '
BEGIN {
     split("a.- b-... c-.-. d-.. e. f..-. g--. h.... i.. j.--- k-.- l.-.."\
" m-- n-. o--- p.--. q--.- r.-. s... t- u..- v...- w.-- x-..- y-.-- z--.."\
" ,--..-- ..-.-.- --...- =-...- /-..-. E.-.-."\
" 0----- 1.---- 2..--- 3...-- 4....- 5..... 6-.... 7--... 8---.. 9----.",
     Data," ")
     Delay = "\015"
     S["."] = "\07" Delay
     S["-"] = "\07\07\07" Delay Delay
     Char = Delay Delay
     Word = Char Char Char
     for (i in Data) {
          Letter = substr(Data[i],1,1)
          Morse = substr(Data[i],2)
          len = length(Morse);
          for (j = 1; j <= len; j++)
               L[Letter] = L[Letter] S[substr(Morse,j,1)]
     }
     L[" "] = Word
     L["\t"] = Word
}

{
     # translate entire line before outputting to minimize effects of
     # load on timing
     Line = ""
     len = length($0);
     for (i = 1; i <= len; i++)
          Line = Line L[substr($0,i,1)] Char
     Line = Line Word
     printf("%s",Line);
}

END {
     printf L["E"]
}
'

stty $ttymode < /dev/tty
```

```
From 1348820529648636515
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9fa5bd25fa3023a0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-25 03:11:20 PST
Path: gmdzi!unido!mcsun!uunet!olivea!samsung!cs.utexas.edu!tut.cis.ohio-state.edu!
ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: MAJOR SOLAR FLARE ALERT (24 DECEMBER)
Message-ID: <901224233931.238021e6@HG.ULeth.CA>
Date: 25 Dec 90 06:39:31 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 91
```

-- MAJOR SOLAR FLARE ALERT --

DECEMBER 24, 1990

Flare Event Summary
Potential Impact Forecast

MAJOR ENERGETIC EVENT SUMMARY

Region 6412 spawned a class X1.8/1B Tenflare at 15:41 UT on 24 December. This flare was accompanied by modest radio burst emissions. The emissions resembled a Castelli-U type signature. The position of this flare was N10W80, which was just prior to the disappearance of Region 6412 from the western limb. Radio emissions at 245 MHz reached 2,600 s.f.u., but no significant sweep frequency events were recorded. Satellite-altitude protons again became enhanced due to this major energetic event. Protons at greater than 10 MeV became enhanced at 18:50 UT on 24 December, reaching 3 PFU at 20:35 UT on 24 December. Satellite level protons are expected to remain at enhanced levels for at least the next 24 hours.

Solar activity today has been quite high. Excluding the major X-class flare, three additional M-class flares occurred from Region 6420: a class M1.0/SF at 01:06 UT, a class M2.2/1F at 13:26 UT, and a class M1.0/1F at 23:00 UT (all on 24 December).

Complex region 6420 has now been split into three separate regions: Region 6422 (S16E46), 6423 (S19E24), and 6424 (S08E31). All of these regions are capable of producing M-class flares with a small risk for a major M-class flare.

The Space Environment Services Center has issued a condition YELLOW alert status for potential satellite proton events and PCA activity. This is in response to the powerful X-class flaring which has been occurring from Region 6412. This region has now rotated beyond the western limb, but will remain capable of producing terrestrially-influencable major flaring for about the next 24 to 48 hours. The potential for major flaring will be reduced by about 26 December provided the cluster of regions near 6420 do not change significantly in complexity.

POTENTIAL TERRESTRIAL IMPACT FORECAST

There is not expected to be a geomagnetic impact from the major X-class flare which erupted today from Region 6412. Geomagnetic activity is expected to remain mostly quiet to unsettled until about 27 December when activity could increase to active levels over low and middle latitudes. High latitudes may experience brief periods of low-intensity minor storming. Overall activity should remain mostly unsettled.

HF propagation conditions are expected to suffer from periodic fading and distortion over the next three days at least, due to frequent solar flaring. The durations of these SID's could surpass 60 minutes. The average SID duration is expected to be near 40 minutes. SID intensities will vary according to the strength of the solar flares, but should not provide anything worse than moderate fading and distortion.

Communications via polar paths are discouraged at this time. Absorption levels due to the recent solar activity and proton enhancements have increased over polar regions. The absorption is expected to continue for at least the next several days (until at least 27 December).

SHORT TERM SOLAR FORECAST

Regions 6398 and 6399 are due to return over the next 72 hours. These regions were responsible for significant levels of M-class flaring on the last rotation. The activity at these solar longitudes was quite impressive. This region rotated beyond the western limb in a very active configuration two weeks ago. If predictions are correct, these active longitudes should return in configurations still capable of producing potentially frequent M-class flaring. There is a notable risk that regions in these longitudes may have formed with characteristics capable of spawning major flares. More will be known as these regions begin to return.

It appears as though activity levels and indices may actually peak with the return of these active longitudes, which would correlate fairly well with prediction models which suggest a peak in early 1991. If Region 6412 returns as expected, it could very well return with a significant amount of magnetic and optical complexity capable of producing major activity. This region is a long-lived center which has retained a large size and respectable magnetic complexity throughout its last transit. This lends strength to the models which predict potentially significant activity from this center when it returns near 07 December. So January appears to look increasingly attractive with regards to a potential peak in solar activity.

** End of Report **

From -6763442360845615349
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e52d0d411ebfdc60,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-25 06:52:34 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: N3IST
Message-ID: <9012251435.AA18571@cmr.ncsl.nist.gov>
Date: 25 Dec 90 14:35:49 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 7

Others please ignore..
Sorry OM, but my direct mail to you gets returned from various relay points,

so don't seem to be able to get to you directly.   What kind of (honorary) job do you want at NIST :) I gave a copy of your "offer" to a member of our ham club, who found it interesting.
Write if you need work ;)
73, Bob W3OTC   <rc@cmr.ncsl.nist.gov>   301-975-5677 (o)   762-5838 (h)

From 3240783180829835612
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,5dd2f14b9ce66a7c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-25 11:52:15 PST
Path: gmdzi!unido!mcsun!uunet!kddlab!icot32!nttlab!siva!will!kitagawa
From: kitagawa@will.ntt.jp (Masahiro Kitagawa)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: morse code
Message-ID: <13605@will.ntt.JP>
Date: 25 Dec 90 13:23:31 GMT
References: <1990Dec12.231058.23895@engin.umich.edu>
     <1990Dec14.012315.7858@zoo.toronto.edu> <516@aupair.cs.athabascau.ca>
Sender: kitagawa@will.ntt.JP
Followup-To: sci.electronics
Organization: JA3YKC
Lines: 31
Xref: gmdzi sci.electronics:10351 rec.ham-radio:18448
In-reply-to: lyndon@cs.athabascau.ca's message of 17 Dec 90 18:12:45 GMT

CW/Morse-code itself may not be so interesting as a modulation/coding technique any more. But how experienced operators decode morse-code is very interesting.

After operating CW intensively in those contests, every hiss sound is decoded as Morse-code for me. Even wind seems calling like 'DE ....'. This symptom continues almost for a day, until I get enough sleep. My ear/nerve/brain system seems over adaptive to morse-code :-) Some kind of matched filter must be formed in my brain. Or it has been already built in my brain after years of over dose to CW. (addictive) And a hour of intensive operation may activate it.

As a little bit old-fashioned ham operator, I like CW very much.

As a scientist, I am very much interested in how human brain is adapted to CW/Morse-code. (Though I am amature in neuro science.)

As an engineer, I want to emulate CW decoding mechanism of human brain by electronics such as DSP, neural network, software, ...
Interesting enough !

As someone pointed at, CW is like bicycle. Both are easy for human, but very difficult for machine to manipulate. Is there already a robot which can ride bicycle very well ?

masa

*--- **** ***-- *--* *-* *-*
Masahiro Kitagawa (JH3PRR)
NTT Research Labs. Tokyo Japan
kitagawa@will.ntt.jp

From -7468329994928947701
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,104f926a66276233
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-25 12:32:55 PST
Path: gmdzi!unido!mcsun!uunet!comp.vuw.ac.nz!actrix!fnet!Thomas_W._Brown
From: Thomas_W._Brown@f170.n771.z3.fidonet.org (Thomas W. Brown)
Newsgroups: rec.ham-radio
Subject: Ham Radio Phone BBS List 1/91
Message-ID: <9012260835.AA21935@f170.n771.z3.fidonet.org>
Date: 25 Dec 90 05:24:00 GMT
Reply-To: Thomas_W._Brown@f170.n771.z3.fidonet.org (Thomas W. Brown)
Lines: 524
Comment-To: All@f170.n771.z3.fidonet.org

From: TWB0@NS.CC.LEHIGH.EDU (Thomas W. Brown)
Lines: 478
Organization: The Internet

The following is a list of some telephone BBSs that support Amateur Radio. Some of these are strictly for hams, while others support "SIG's" (special interest groups) for hams or have radio-related files or message sections.

Disclaimer: Due to the increasing size of the list, it will only be distributed on the packet networks once or twice each year as a multipart bulletin. Some SysOps consider even the split-up messages to be an overwhelming burden to the network and will inevitably block them, so if you do not receive it via packet, you should download the file HAMPHONE.91 from the Ham Radio archive section of SIMTEL20 (wsmr-simtel20.army.mil on Internet), from the K4NGC phone BBS at (703) 680-5970, or from the WB2COY phone BBS at (914) 485-3393.

If you call one of these BBS's and find nothing to indicate it's relationshipto Ham Radio or find that it has been disconnected, let me know so I can archive it and clean up the list. I can't gaurantee the accuracy of this list, but I do strive to keep it as up-to-date as possible. Please send any updates, changes, or comments to me. 73, Tom Brown KA2UGQ.

Packet: KA2UGQ @ KA2UGQ.NJ.USA.NA

```
       ARPA: twb0@ns.cc.Lehigh.EDU
     BITNET: twb0@lehigh.bitnet
       UUCP: ..!uunet!twb0@lehigh.bitnet
       ICBM: 40 40' 47" N, 74 25' 03" W


Verification status (symbol after phone number):
     '*'=verified, '+'=busy when called, '?'=questionable, ' '=unknown
     ':'=new/updated number (since 7/89 list)

'Speed' codes are as follows:
     3=300, 1=1200, 2=2400, 9=9600
     T=9600-19200 baud (Telebit/Trailblazer/Ventel modem)
     U=US-Robotics HST 9600-38400 baud
     V=Hayes V-series 4800-9600 baud
     M=MNP error correction available
     >=PC Pursuitable


Phone-Number Name                 SysOp                Location
Speed
============ ==================== ==================== ================== ===
==
201-245-6614+The Micro Room       WA2BFW               NJ
312201-271-4517+WB2TIX Radio BBS     WB2TIX               Bound Brook, NJ
3
201-332-6098+Edgelight Online BBS KB2BLE               Jersey City, NJ    12
201-385-1693 Radio CMBS           ?                    NJ                 2
201-387-8898:ROSE Switch Support  (login: rats)        NJ                 ?
201-423-4258+Computer Nookery     ?                    NJ                 ?
201-486-2956:Computer Forum of NJ ?                    NJ                 UV
201-494-3417+Planet Shadowstar    N2HGY, N2HBN         Edison, NJ         31
201-494-3649+Micro-Fone TBBS      K2SHY                Metuchen, NJ
312201-636-7499:The Micro Forum      KC2WZ                NJ
31
201-694-8122+Sonnet Center        Jim Sonnet           Mountain View, NJ
312201-729-7056 ?                    ?                    Sparta, NJ
312
201-757-1491+Holly Park PBBS      Dick Roberts         Piscataway, NJ
312201-827-7815+Al's Cabin HST       ?                    Ogdensburg, NJ
?
201-918-0683*KA2QHD Packet/UNIX BBS (login: guest)     Wayside, NJ        31
202-280-5490:Capital Connection   KB4ZSS               Washington, DC     UV
203-228-1708:Crystal Mountain     Tomas Hood           Hebron, CT         ?
203-236-3761:Bruce's Bar & Grill  Bruce Lomansky       CT                 ?
203-237-1717 Summa Zulla Znode 43 KA1TB                Meriden, CT        31
203-261-6434 Trumbull Mini        WA1QKS               Trumbull, CT
312203-366-1234+Dave's FIDO          ?                    Bridgeport, CT
31
203-431-4687+Source of Magic      B&J Sanders          Ridgefield, CT     ?
203-438-9908 Orions Nebula        N1CUI                CT                 ?
203-563-6455+Hart-Metro Opus      ?                    Whethersfield, CT  ?
203-628-4644:Farm at Milldale     ?                    Milldale, CT       ?
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203-665-0090:ARRL Field Service   ?                    Newington, CT      ?
203-674-1802+Teletalk Medical BBS Maynard Marquis      Farmington, CT     UV
203-753-8351:CoCo Byte            David Yale           Waterbury, CT      ?
203-846-3522:NORAD                Bill Hurlock         Norwalk, CT        U
203-865-6960:EarthStation 101     Matt Valleau         New Haven, CT      U
203-888-8375:Dave's Bar & Grill   KA1TFB               CT                 ?
205-598-6079 Elmer BBS            WA6LMM/4             Fort Rucker, AL    3
205-649-2894 Mobile Alabama BBS   NN4Y                 Mobile, AL         31
205-758-5017 The Bulletin Board   W4WYP/WD4DAT         AL                 3
205-853-6144:Bham Sperry, 60M     Jack Efird           Birmingham, AL     UV
205-987-9818 Superboard           ?                    AL                 31
205-988-4816?Superboard           ?                    AL                 31
206-565-1476 The Forum            ?                    Tacoma, WA         ?
206-566-1155:AmoCat BBS           Rich Langsford       Tacoma, WA         U
206-566-8854:Puget Sound Gateway  Stephen Butler       Puyallup, WA       U
206-637-2398:Seattle Software Exc LeRoy DeVries        Seattle, WA        U
206-763-8879 Sea-Comm 80          W7TWU                Seattle, WA        31
206-767-3223+Amateur Radio Supply WB7EWO/W7PV (6PM-9AM)Seattle, WA        3
206-774-9566:Brier Patch          ?                    WA                 ?
206-783-4818 Hi-Tech BBS          W7UZB                Seattle, WA        31
207-495-2490:I.A.R.N.             K1MAN                Belgrade Lakes, ME ?
212-380-3864+Atari BBS            K2BSM                NY                 ?
212-645-2176 Metro CPU            ?                    NY                 ?
212-781-4723+Friends              WB2RSI               New York, NY
312>
213-370-4113+Long Island RB       ?                    CA                 ?
213-376-6221 Beach City           KB6MND               CA                 31
213-376-9567+Beach Cities         ?                    Redondo Beach, CA  ?
213-377-0450 Amateur World        N6OQU                Palos Verdes, CA   31
213-466-3861+Hatzlacha BBS        ?                    Los Angeles, CA    ?
213-541-2503 WB6YMH (GFRN) RCP/M  WB6YMH               Palos Verdes, CA
312213-761-8284:Kenwood Radio Inc.   ?                    CA
?
214-223-0983 ?                    Mark Collard         Dallas, TX         31
214-394-7438 Datalink BBS-AMSAT   N5ITU                Dallas, TX
319V
214-517-4958:Ham Shack            Michael Stone        Plano, TX          ?>
214-960-2730 NN5I BBS             NN5I                 TX                 31
215-233-4313:Ham Net BBS          N3FAD                Philadelphia, PA
312215-482-0262 PARA Time Warp       W3IX                 Philadelphia, PA
3
215-568-2137 LBARA bbs (login: lbara, password: hams)  Philadelphia, PA   12
215-572-5890 WA3DSP BBS           WA3DSP               Glenside, PA       31
215-584-1412+System-2             ?                    Norristown, PA     ?
215-628-9265 K4KWW BBS            K4KWW                PA                 ?
215-678-9334 File Cabinet         ?                    PA                 UV
215-827-7689 K3DSM BBS            K3DSM                Malvern, PA        ?
215-948-0593+K3DSM BBS (?)        K3DSM                Malvern, PA        ?
216-349-4515:Infoguide            Josef Stiene         Cleveland, OH      U>
216-526-9480:AMCOM                Bill Poissant        Cleveland, OH      ?>
216-526-9481:AMCOM                Bill Poissant        Cleveland, OH      ?>
216-526-9482:AMCOM                Bill Poissant        Cleveland, OH      U>
216-526-9485:AMCOM                Bill Poissant        Cleveland, OH      U>
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216-526-9489:AMCOM                Bill Poissant        Cleveland, OH      UV>
216-526-9490:AMCOM                Bill Poissant        Cleveland, OH      ?>
216-529-0121:Signal BBS           Howard Laymon        Cleveland, OH      ?>
216-545-0093 Steel Valley Opus    ?                    Girard, OH         ?
216-661-9065:Comstar              Roger Dye            Cleveland, OH      U>
216-745-7855 Akron Computer Group WA8SNF               Akron, OH          3
216-777-4569:Connections II       Ryan Wilkins         Cleveland, OH      ?>
216-867-6984:Buckeye Hamshack     ?                    OH                 ?
216-883-0578+Auer Register        ?                    Cleveland, OH      ?
216-942-6382:Hamnet               David Speltz         Cleveland, OH      U>
216-942-7516:Hamnet               David Speltz         Cleveland, OH      V>
216-951-4287:Eastlake             Ken Bayko            Cleveland, OH      U>
217-529-6452:Capitol City BBS     K9UAB                Springfield, IL    U
218-525-1788 ?                    Ron Carlson          Duluth, MN         31
219-875-6430 Indiana Computer     ?                    IN                 ?
301-272-5313+Aberdeen Interface   ?                    Aberdeen, MD       31
301-335-0858*WB3FFV multiuser BBS (login: bbs)         Chase, MD          12
301-335-1955*WB3FFV multiuser BBS WB3FFV               Chase, MD          1T
301-350-1299+Mad Faces BBS        Kim Wells            Largo, MD          31>
301-388-1517 Dead Zone            ?                    Baltimore, MD      ?
301-454-0360 No Place Like Home   ?                    College Park, MD   ?
301-495-7323+Nat. Capitol Wing    ?                    MD                 ?
301-540-1378+WB6RQN Usenet gtwy.  WB6RQN               Germantown, MD     ?
301-540-9095+WB6RQN Usenet gtwy.  WB6RQN               Germantown, MD     ?
301-574-1984 Berkshire Board      ?                    Essex, MD          ?
301-590-9629 3 Winks RBBS         W3INK                Gaithersburg, MD   31
301-599-7651:Mad Faces BBS        Kim Wells            Upper Marlboro, MD ?
301-621-9669:Around & About       WA3TKW               MD                 ?
301-670-9621 3 Winks              W3INK                Gaithersburg, MD   31
301-725-1072:F.C.C. PAL Hotline   FCC                  MD                 ?
301-725-8307:Maryland Radio Cntr  ?                    MD                 ?
301-797-5238 RadioData Plus       ?                    Hagerstown, MD     ?
301-797-9408:SuppleMental Service Woody Sherman        Hagerstown, MD     ?
301-831-5954:WJ3P Exchange        Lucas Spiros         Mt. Airy, MD       ?
301-831-9012:Thundr Bay Trad Post WA3ZLB               MD                 ?
301-869-7650:3 Winks              W3INK                Gaithersburg, MD   ?
301-926-8187 3 Winks              W3INK                Gaithersburg, MD   31
301-967-3309 Ronnies Roadies      ?                    MD                 ?
303-497-5000:NOAA (propagation +) NOAA                 Boulder, CO        ?
303-497-5042:NOAA 3 line rotary   NOAA                 Boulder, CO        ?
303-497-6968 Boulder FIDO         ?                    Boulder, CO        ?
303-534-4646 The Comm-Post        Brian Bartee         Denver, CO         9
303-593-0766 HIP Shack Fido BBS   N3EUA                Colo. Springs, CO
312303-781-1079 Photo Tech           ?                    CO
31
303-972-9600 Microlink            ?                    Denver, CO         9
304-273-4136 ?                    Emmett Earley        Ravenswood, WV     3
305-325-8709:Medical Software Exc ?                    FL                 ?
305-382-6687:Right Connections    N4LDG                Miami, FL          ?
305-773-5033 Computer Hustler     ?                    Satellite Beach,FL 31
305-859-9443 Orlando Communicator WA4GIF               Orlando, FL        31
305-973-1947 The Eye of Osiris    ?                    Boca Raton, FL     31
305-997-5849 Megasystems Online   ?                    Boca Raton, FL     31
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306-244-8378 Software Library     ?                    Saskatoon, SK      ?
306-347-4493 Regina Fido BBS      ?                    Regina, SK         ?
306-586-1551 Polestar Opus        VE5EK                SK
312309-688-0604 ANARC BBS            ?                    Peoria, IL
?
312-394-0071 Samson               ?                    Arlington, IL      ?
312-491-2611 Chicago Business     ?                    Evanston, IL       ?
312-529-1586 Elk Grove Repeater   N9DKO                Roselle, IL        31
312-630-6282 COPH Mail            ?                    Chicago, IL        ?
312-674-1638:Bill's PCBoard       William Knopp        Lincolnwood, IL    V>
312-776-5561:N9CSA Ham & Hobby    Jay Serafin          Chicago, IL        ?
312-790-0187:Cope of Chicago      KB9X                 Chicago, IL        ?
312-790-4688 The Generic BBS HST  ?                    Glen Ellyn, IL     ?
313-239-9690 Flint BBS            N8DYB/(KA8OCN?)      Flint, MI (?)      31
313-291-2520:Genesis II           WB8ZPN               MI                 ?
313-482-4436:Somewhere in Time    Keith Mottley        Ypsilanti, MI      ?
313-629-2854 Flint Area BBS       KA8OCN               Flint, MI          31
313-649-6213:Blue Water TBBS      ?                    Birmingham, MI     ?
313-759-6569*Royal Oak RCP/M      W8SDZ                Royal Oak, MI      31
314-422-3927 Vienna City Limits   KD0PJ                Vienna, MO
312V
314-436-0730:Boatmen's Bancshare  KE0KO                MO                 ?
314-447-3003:AMSAT-NA PBBS        ?                    MD                 ?
314-837-5422:Cindex Tech Support  KB0FMQ               Florissant, MO     ?
314-965-0477:Cat Box BBS          ?                    MO                 ?
315-697-3996:Random Access BBS    KB2ECI               Canastota, NY
312316-943-6030:Wichita BBS          KE0TV                Wichita, KS
?
317-353-9981:Someplace BBS        Mike Shepard         Indianapolis, IN   U
317-654-6555:The Friendly BBS     Jason Seabolt        Frankfort, IN      ?
317-882-4454:IBM-Net Connection   Rex Hawkins          Indianapolis, IN   U
317-882-5575:IBM-Net Connection   Rex Hawkins          Indianapolis, IN   U
317-882-9330:Southside BBS        KB9BVN               Indianapolis, IN   U
318-443-0271:Amer. Silver Dollar  Tom Palko            LA                 ?
318-688-7078+NoChange #2          Mike Berry           Shreveport, LA     31
318-797-8310 Net 380 Host         ?                    LA                 ?
319-351-8783 Opus Board           ?                    Iowa City, IA      ?
319-377-0004 Cedar Valley Mill    ?                    Cedar Rapids, IA   ?
319-393-4499*Cedar Valley Datanet ?                    Cedar Rapids, IA   ?
319-432-6586 US Amateur TV Society?                    Mechanicsville, IA ?
319-557-9659 Sunshine BBS         ?                    Cedar Rapids, IA   3
401-521-2931:Telecom Central      ?                    RI                 ?
402-421-1963:Southwest Lincoln    ?                    Lincoln, NE        ?
403-254-0155:S. Alberta Rptr Assoc?                    ALTA, Canada       ?
403-464-5069:Alta Packet Info     ?                    ALTA, Canada       ?
404-289-2050+No Frills BBS        WB4LBM               Decatur, GA        3
404-320-6202:AV Sync BBS          ?                    Atlanta, GA        ?
404-355-5625:Visions              Kevin Pierce         Atlanta, GA        U
404-363-1640+Hams Bulletin Board  WA4CBT               Forest Park, GA    31
404-476-7970 Ham Board One        ?                    GA                 31
404-487-1376:Star Trek Connection Eddie Ferguson       GA                 U
404-491-6365 Flagship Express     KC4ME                Atlanta, GA        12
404-493-4708 Randy's BBS          ?                    GA                 31
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404-546-7857 Athens Forum         ?                    Athens, GA         ?
404-834-9097 Commodore Msg. Ctr.  KB4EUX               Carrollton, GA     3
404-929-0800 Atlanta Connection   ?                    Atlanta, GA        ?
404-949-0687+Lockheed Amateur BBS ?                    GA                 31
404-949-3610:Perfect World        Bill Tinsley         Atlanta, GA        U
404-964-5277:Greyhound Opus       John Miller          GA                 ?
406-256-8717 ?                    Dave Williams        Billings, MT       31
407-269-5188:Tech Talk            ?                    FL                 ?
407-649-9834:EABBS Media Board    ?                    Orlando, FL        ?
407-774-7371:Aerospace Info       Mike Pompura         Orlando, FL        ?
407-879-4823:PCLogic              W4NVC                FL                 ?
408-247-8307 MacScience BBS       N6PHJ                CA                 12
408-251-4926 Tranquility Base #1  ?                    San Jose, CA       ?
408-667-2256:Freq Scan            Tim Ames             Big Sur, CA        ?
408-674-5048 Elmer II             WA6LMM               Greenfield, CA     31
408-683-0338:S2C2 BBS             ?                    CA
312408-866-4933:MAC Science BBS      Ray Terry            Campbell, CA
?
409-838-3761 Lamar University BBS WB5VNX               Galveston, TX      3
412-243-5880 Neverboard SWL hub   ?                    Pittsburgh, PA     ?
412-266-5947 Bridger              Ambridge Schools     Ambridge, PA       ?
412-427-4488 AMRG #101            ?                    Pittsburgh, PA     ?
412-766-0732:Blinklink            William Wilson       PA                 ?
413-256-1037 Pioneer Valley PCUG  ?                    Amherst, MA        9
413-443-6313 VETLink #1           ?                    Pittsfield, MA     ?
413-684-2886 Mountain Top         ?                    Windsor, MA        ?
413-967-9541:Quaboaq Valley Xfer  Gary Reardon         Ware, MA           ?
414-282-4181 Midwest Communicator ?                    Milwaukee, WI      ?
414-543-0988 Milwaukee City ARES  WB9YSG               Mil. City, WI      3
414-548-9866:Milwaukee Heath Usrs KA9TGN               Milwaukee, WI      ?
414-738-1219 Applegate            ?                    Appleton, WI       ?
415-481-0252:No_Name BBS          N6MON                CA                 ?
415-574-3663:Toad Hall            J Thaddeus           San Carlos, CA     ?
415-595-2427:Toad Hall            J Thaddeus           San Carlos, CA     ?
415-651-4147 Sonshine             ?                    Fremont, CA        ?
415-659-9169 RSVP BBS             ?                    Fremont, CA        ?
415-752-6172 Midnight BBS         ?                    CA                 ?
415-858-0363 Packet UNIX BBS     (login:packet pw:net) CA                 ?
415-943-6238 Diablo Valley PCUG   ?                    Walnut Creek, CA   ?
415-961-7250 BBS-JC               K6LLK                CA
312416-231-0669 Humber Queensway BBS VE3OOZ               Toronto, ON Canada
31
416-252-9692?Humber College BBS   VE3OOZ (?)           Toronto, ON Canada 3
416-431-6836 Connection           ?                    Toronto, ON Canada ?
416-598-1934 Boards Galore        ?                    Canada             ?
416-827-0704:Amateur Radio BBS    Phil Thompson        Oakville, ON Can.  ?
416-985-9219:Triple RRR BBS       Robert Newcomb       Perry Point,ON Can.?
417-864-8820:Fire BBS             ?                    Springfield, MO    ?
417-869-5294 The Matrix           ?                    Springfield, MO    ?
419-885-7043 QRV, UNO del Norte   ?                    Sylvania, OH       ?
501-442-8777 TRS7 BBS             ?                    AR                 ?
502-267-7422:Deckman's Exchange   Dennis Deckman       Jeffersontown, KY  ?
503-233-3986:Sherri Lynn Knobel   Dick White           OR                 ?
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503-296-4328 Dog House BBS        ?                    OR                 ?
503-655-9586:ASL Faction          Wayne Silsbee        Oregon City, OR    ?
504-273-3116:HelpNet Baton Rouge  W5KGG                Baton Rouge, LA    ?
504-395-5655 Bit-by-bit RBBS      WB3ABN               Patterson, LA
312504-469-3408:RBBS-PC              John Woodward        Metairie, LA
?
504-643-6380 The ComPort AlterNet ?                    Slidell, LA        ?
504-834-2544 The Connection       Keith LaBorde        New Orleans, LA    3
505-646-5194?Teacher's Pet FIDO   K5XY/W4GHV           NM                 31
508-385-3427:KQ1K Salt Air BBS    Bob Baker            Dennis, MA         ?
508-429-1784:CUL-DE-SAC BBS       WA1YDL               MA                 ?
508-688-1348:Pleasant Valley BBS  Steve D'Urso         Methuen, MA        U
508-949-3590:The Ham Shack        Don Eklund           Webster, MA        ?
509-276-6431*Touchstone           Susan Waters         WA                 ?
509-487-3900 Red Wolf Opus        ?                    WA                 ?
509-534-6866 ANARC BBS            ?                    Spokane, WA        ?
509-697-7298 Cent. Washington BBS K7NTV                Selah, WA          31
512-258-5528:Boardwalk Ham'n&Jam'n?                    TX                 ?
512-359-1748:The Electronic Ave.  KA5THB               TX                 ?
512-444-1052:Antenna Farm BBS     Ben Thornton         Austin, TX         ?
512-444-9908:Health Link          Bruce Baskett        Austin, TX         ?
512-496-9373 The Rampant Griffen  ?                    San Antonio, TX    ?
512-684-0786:Computer Exchange    ?                    San Antonio, TX    U
512-734-3521 Radio Flyer          KA5SWI               San Antonio, TX    3
512-837-0953 Jimnet BBS           WA5VLZ?              Austin, TX         ?
513-253-2017:Ham Shack            Dave Shard           Kettering, OH      ?
513-258-0971:Traders Cove         Bill Kahler          Dayton, OH         U
513-548-5128:Light in the Darke   John Desmond         OH                 ?
513-762-1115:KIC BBS              KA8AWY               OH                 ?
513-777-1234:PME-FIDO BBS         WB8BFW               OH                 ?
515-961-3325*W0RPK AMSAT BBS      W0RPK                Indianola, IA
312516-293-2283 Radio ElectronicsBBS R.E. Magazine        Farmingdale, NY
31
516-472-0691 The Idea X-Change    N2AYB                Bayport, NY        31
516-561-6590 LICA LIMBS           WA2EXP               Long Island, NY
319516-581-1896:Amat.Radio Sell.Post Lenny Buonaiuto      Long Island, NY
?
516-661-3643 South Shore ARC      WB2VOZ               Long Island, NY    3
518-374-5298:Radio Freq's         ?                    Latham, NY         ?
519-578-9314 Amateur Radio BBS    Fred Hicks           Kitchener, ON Can. ?
519-660-1442 VE3GYQ BBS           ?                    ON, Canada         ?
602-235-9653 Health Info-Com Net  (Usenet port)        Scottsdale, AZ     ?
602-495-1797:Neighborhood Net     Mike Volckmann       AZ                 ?
602-742-1551 Bit Bucket           ?                    Tuscon, AZ         ?
603-424-0923 VaxCat               Mark Buda            Merrimack, NH      ?
603-424-5497*Stateline BBS        Bob Wescott          Merrimack, NH      31
603-525-4438:73 Magazine          KW1O                 Peterborough, NH   ?
603-547-6485 InterVisioN          ?                    Francestown, NH    ?
603-783-4239 Info Biz             ?                    Canterbury, NH     ?
603-883-4466:The Legal Beagal     K1TCD                Nashua, NH         ?
603-888-6999 Access-80            ?                    Nashua, NH         3
603-924-9809+73 Magazine          KW1O                 Peterborough, NH   31
609-652-2921+ACADEMIA             WB2DRD               Pomona, NJ         ?
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609-652-4914:Stockton State Col   Tom McNally          Pomona, NJ         ?
609-652-4923:Stockton State Col   Tom McNally          Pomona, NJ         U
609-693-8849 Jersey Shore BBS     W2FJC                NJ                 31
609-859-1910*Pinelands RBBS       W2XQ                 Vincentown, NJ
312609-893-2152:Citadel:K2NE         ?                    NJ
?
609-894-4366 N2EHM BBS            N2EHM                Pemberton, NJ      31
612-291-0567 Digital Newsletter   K0TG                 St. Paul, MN       31
612-377-3469 PC Info Exchange     ?                    Minneapolis, MN    ?
612-426-0000:Digital Newsletter   K0TG                 St. Paul, MN       ?
612-431-1149 HR Commodore Clique  WA0CQG               Apple Valley, MN   31
612-490-1187:Nick's Nest          Don Seiford          Vadnais Hills, MN  ?
612-920-L5MN NASA/ESA press rels. L5 Society           Minneapolis, MN
312613-542-9901 Dits & Bits          ?                    Kingston, ON Can.
?
613-564-5672 Carleton U Opus      ?                    Ottawa, Canada     ?
614-267-5441 Hot CoCo BBS         ?                    Columbus, OH       ?
614-279-2327:Scientific Columbus  David Hinerman       Columbus, OH       ?
614-294-5314 MARDUK II            ?                    OH                 ?
614-457-4227 Ham BBS (HBBS)       N8EMR                Columbus, OH
12T614-895-2553:Ham BBS (HBBS)       N8EMR                Columbus, OH
?
614-927-3644 Alternative BBS      ?                    Columbus, OH       ?
615-690-5467:Volunteer            Ed Dial              Knoxville, TN      V
616-263-7454:ST Paradise          Steve Finzel         Traverse City, MI  ?
616-363-7360:The Edge             Kevin O'Malley       Grand Rapids, MI   ?
616-393-3262 Edge CBCS            ?                    Grand Rapids, MI   ?
617-237-1511:Wellesley BBS        Heath Users Club     Wellesley, MA      ?
617-277-5577:Jesse's BBS          Jesse Cheng          MA                 ?
617-326-0259:Binex II             KB1S                 Westwood, MA       ?
617-471-0542:Tom's BBS            KA1TOX               Wollaston, MA      M
617-545-6239:Garden Spot BBS      Steve Johnson        Scituate, MA       ?
617-565-9136+WB3ABN BBS           WB3ABN               Boston, MA         31
617-598-6646:Baystate BBS         Steve Ryback         Lynn, MA           ?
617-720-3600:Future Tech          Bud Napier           Boston, MA         ?
617-923-7605 MassHam BBS          K1OJH                MA                 31
619-279-3921:RADIOSPORT           Steve Wilmet         San Diego, CA      U
619-390-7328:Lakeside Wildcat!BBS N6CQW                CA                 ?
619-549-3927 K3FWT BBS            K3FWT                San Diego, CA      ?
619-562-8758:Santee Experiment    Jim                  El Cajon, CA       ?
701-746-4814 Shortwave Network    ?                    ND                 ?
703-250-1837?SMA Scanner BBS      ?                    VA                 31
703-366-4299:Sparkie's Machine    KC4LWI               Roanoke, VA        U
703-435-0836+Sterling Info Exch.  KF4GL                VA                 3
703-528-7753:Longwave Database    ?                    Arlington, VA      ?
703-591-5744:Midnite Rider        Joe Reeves           VA                 ?
703-648-1841:Virginia Connection  Tony McClenny        Reston, VA         U>
703-680-5970*K4NGC Packet BBS     K4NGC                Woodbridge, VA     ?
703-689-7156:KC3OL BBS            KC3OL                VA                 ?
703-734-1387*AMRAD BBS            K8MMO                McLean, VA         31
703-734-1796:Issue Dynamics Inc.  Sam Simon            Washington, DC     ?
703-791-6198:Dos Spitzen Sparken  Dick Miller          Manassas, VA       ?
707-545-0746:Sonoma Online        Don Kulha            Santa Rosa, CA     ?
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708-234-8011:Callbook BBS         Callbook Publishing  IL                 ?
708-394-0071:Samson BBS           Larry Migliore       IL                 ?
708-529-1586:Elk Grove Repeater   Glen Randles         Arlington Hgts, IL ?
708-790-0187:Cope of Chicago      Steve Bonine         IL                 ?
713-242-6041 KC5UP BBS            KC5UP                Houston, TX
312713-280-8711:NASA Activities      NASA                 Houston, TX
?
713-498-7996:Launch Pad           ?                    Houston, TX        ?
713-579-8979:Breakfast Club       Jimmy Vance          Katy, TX           ?
713-879-1448:ACOM II              Eddie Runner         Houston, TX        ?
713-937-9097:Broadcast Computer   David Armstrong      Houston, TX        V
713-955-7564:PCEVE                ?                    TX                 ?
714-275-9094:N6KZB BBS            N6KZB                CA
312714-636-2298:F.O.G.               Jim Ward             CA
?
714-681-0731 Ham Radio West       John Warren          Riverside, CA
312716-544-1863 RFCARC               WA2ZKD?              Rochester, NY
312U
716-663-8478:NF2G Online          David Stark          Rochester, NY      ?
716-672-8843 Computer Access Ctr. KA2NRC               Buffalo, NY        ?
716-694-0007 Real Programmers'    ?                    NY                 ?
717-561-8150:Megaboard            ?                    PA                 ?
717-876-0152:Northeast File Bank  Stuart Wilson        Jermyn, PA         U
718-268-2062 Apple Sauce BBS      ?                    NY                 ?
718-268-3173 WB2SQM BBS           WB2SQM               NY
312718-442-1056 New York Transfer    Bob Richards         Staten Island, NY
312
718-698-7875 Hamnet               ?                    New York, NY       31
718-761-5727*Programmers Corner   David Snyder         Staten Island, NY  ?
719-390-5318:Colorado Spr.Ham BBS Lee Sublett          Co. Springs, CO    ?
719-637-1375 Dits & Bits          ?                    CO                 ?
803-650-9022:Periscope            Walt Mayo            Myrtle Beach, SC   ?
803-871-3468 Tinbrain's BBS       ?                    Summerville, SC    3
804-249-8621 Diplomat BBS         ?                    Newport News, VA   ?
804-471-3360:Tidewater AR/CF      Jim Rhodes           VA Beach, VA       U
804-550-3338:Flamethrower         Jeffrey Loughridge   Richmond, VA       U
804-591-0736 Felicia              ?                    VA                 ?
805-942-0329 Superbyte            NE6I                 Lancaster, CA      3
805-947-4357 WB6FIU Fido BBS      WB6FIU               Palmdale, CA
312805-967-0895 Compucations BBS     ?                    Santa Barbara, CA
?
806-352-2482:The Radio Board      Ron Chase            Amarillo, TX       U
806-352-9365:The Radio Board      Ron Chase            Amarillo, TX       ?
807-345-3991 CITINET              ?                    Thunder Bay, ON    ?
808-533-0190 Small Biz Help Net   ?                    Honolulu, HI       ?
812-332-7227 Indiana On-Line      WB9LWQ               Bloomington, IN
312UM
813-859-4800 DataLink             ?                    Lakeland, FL       ?
813-874-3078*Pac-Comm, Inc. BBS   KC2FF/W1BEL          Tampa, FL
312813-920-8820:Prof Data Exchange   K8WVH                Tampa, FL
U>
814-255-OPUS Flood City's Opus    ?                    Johnstown, PA      ?
814-337-2021:Magical Mystery Tour Glenn Rudolph        Meadville, PA      U
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816-241-1012 N0AJI BBS (a/c 314?) N0AJI                St. Louis, MO      3
816-331-5868 Howard's Notebook    ?                    Raymore, MO        ?
816-331-7023 Online II Ham Radio  ?                    Belton, MO         3
816-833-3427+Ham BBS              ?                    Independence, MO   3
817-531-4761:Dept of Electronics  KC5WE                Ft. Worth, TX      U
817-662-2361:FileQuest            Jim Ray              Waco, TX           U
818-967-3108?Dataline             N6ECN                Pasadena, CA       31
818-998-0319 CSC Ham BBS          K6IYK                Pasadena, CA
312901-872-8385 CyberNet BBS         ?                    Millington, TN
?
902-868-2475:VE1EI BBS            Doug Oldridge        Halfax, NS Canada  T
904-651-8684 Hot Muddy Duck       N4HMD                Pensacola, FL      31
904-733-4515+Jace                 ?                    Jacksonville, FL   ?
907-243-0324 CHSIE                K7TPN                Anchorage, AK      3
913-345-1978:ANARC                ANARC                Shawnee Mission,KS ?
914-365-0180 Mnematics Videotext  WA2IAC/(K2SK-HR SIG) Sparkill, NY       ?
914-485-3393 COYnet Ham Radio BBS WB2COY               Poughkeepsie, NY   31
914-667-9385:Joe Brown's BBS      ?                    Mt. Vernon, NY     U
914-695-2060:Onesty & Assoc.      Patrick Onesty       Middletown, NY     ?
914-738-6857 M&M's Pelham Public  ?                    Pelham, NY         ?
915-653-9077:HAMNET BBS           N5JZZ                TX                 ?
915-673-9668 Midnight Special     ?                    Abilene, TX        ?
915-755-3053 CrossRoads           ?                    El Paso, TX        ?
915-944-1436:Teleport ][ BBS      Dori Peterson        San Angelo, TX     U
916-362-1755*Niteline             Rick Hight           Mather AFB, CA     U
916-366-5531 Amateur Radio Opus   Howard Evans         Rancho Cordova, CA ?
916-678-1535:WA6RDH BBS           WA6RDH               Dixon, CA
312V
916-920-1288:QST BBS              ?                    Sacramento, CA     ?
916-961-4921 Amateur Radio Opus   ?                    Sacramento, CA     ?
918-272-4327:Mac's Place          ?                    Tulsa, OK          ?
918-747-0250:Tulsa Ham & Eggcenter?                    Tulsa, OK          ?
919-353-0610 Broadcasting TBBS    ?                    Jacksonville, NC   3
919-460-0586 ALS BBS              ?                    Cary, NC           ?
919-779-6674:Micro Mesage Service Mike Strand          Raleigh, NC        ?
919-781-4203:Capitol Opus         ?                    Raleigh, NC        ?

Overseas phone #   Name / (SysOp)                      Location
Speed
================== =================================== ================== ===
==
011-03-512-5396(?) Radio Amateurs Club (Shlomo Musaali)L. Israel          ?
011-04-381-299 (?) The Miler House (4Z4RN)             L. Israel          ?
011-0485-60368 (?) SSA Databus                         Sweeden (?)        ?
011-31-35-45395    Radio Netherlands FIDO BBS          Hilversum, Holland 31
011-353-1-88-56-34 Dublin Users BBS (Swdn Calling DX?) Dublin, Ireland
312011-44-707-52242   RSGB Databox                        United Kingdom
2
011-46-8-7564197   Ham Systems Base                    Stockholm, Sweeden ?
011-46-8-7495826   The Alley Cat                       Stockholm, Sweeden ?
011-47-2-267414    The Ham Chat                        Oslo, Norway       ?
011-47-34-59530    Dasan BBS                           Sandefjord, Norway ?
011-478-6703 (?)   B.E.S.T. (Mohamed Albatati)         Riyadh,Saudi Arabia?
```

011-54-1-51-9973	Gateway (LU7ABF)	Buenos Aires, Arg.	?
011-54-1-764-4189	Telecom Net	Buenos Aires, Arg.	?
011-852-0-459	Hamnet Hub	Hong Kong	?
011-852-0-581828	HAMNET	Hong Kong	12

.

--=--
Thomas Brown, KA2UGQ   BITNET: twb0@lehigh.bitnet
Lehigh University UC Box 855   ARPA: twb0@ns.cc.Lehigh.EDU
Bethlehem, PA 18015   UUCP: ..!uunet!twb0@lehigh.bitnet
(215) 758-0093   AX.25: ka2ugq@ka2ugq.nj.usa.na

'You can't have everything...where would you put it?' -S.W.
--- rfmail 0.3.9
 * Origin: Bonafido Usenet <====> Fido Gateway.   (3:771/170.0)
SEEN-BY: 771/110 170 180 772/20
FSC-Control: PATH: 771/110

From 16843245012627644
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,515303ac6dadd79e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-25 19:35:56 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: An Outside Viewpoint
Message-ID: <1990Dec26.002836.3193@NCoast.ORG>
Date: 26 Dec 90 00:28:36 GMT
References: <1703@ke4zv.UUCP> <1990Dec23.175303.8294@NCoast.ORG> <1711@ke4zv.UUCP>
Reply-To: allbery@ncoast.ORG.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 22

As quoted from <1711@ke4zv.UUCP> by gary@ke4zv.UUCP (Gary Coffman):
+---------------
| You are right of course, but there is something we can do *with* amateur
| radio to change the situation. We can use amateur radio as bait to hook some
| of the young proto-technoids and get them interested in learning about
| technology for the fun of it before they lose their sense of wonder. If we're
+---------------

This is part of what I meant: helping to make understanding of technology acceptable (and, if possible, indispensable) to the general public. This and many other things are needed to help not only ham radio, but technology in the U.S. in general.

C'mon, fellow hams! Forget the stupid code/nocode dispute --- there are much more important things to worry about, and this issue may be the MOST important.

++Brandon
--
Me: Brandon S. Allbery   VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG   Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR   AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery   Delphi: ALLBERY

From -3697751032877799831
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c9285f150c321a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-25 19:35:59 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: Thanks for the traffic...and now something really important :-)
Message-ID: <1990Dec26.003044.3281@NCoast.ORG>
Date: 26 Dec 90 00:30:44 GMT
References: <108@w3vh.UUCP> <1990Dec24.225030.5833@NCoast.ORG> <1990Dec25.043505.18054@athena.cs.uga.edu>
Reply-To: allbery@ncoast.ORG.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 26

As quoted from <1990Dec25.043505.18054@athena.cs.uga.edu> by mcovingt@athena.cs.uga.edu (Michael A. Covington):
+---------------
| In article <1990Dec24.225030.5833@NCoast.ORG> allbery@ncoast.ORG.ORG (Brandon S. Allbery KB8JRR) writes:
| >As quoted from <108@w3vh.UUCP> by rolfe@w3vh.UUCP (Rolfe Tessem):
| >+---------------
| >| >usenet that don't know the difference between "loose" and "lose". For the
| >| ====
| >| on usenet who don't know the difference between "that" and "who". For the
| >+---------------
| >
| >Actually, my high school and college English teachers taught that the use of
| >"who" is now discouraged....
|
| No, they didn't. They probably told you that if you can't distinguish
| between "who" and "whom" you can do without "whom" and just use "who".
+---------------

No (and I know the difference). They taught specifically that (1) "which" is passe, and (2) "who" is dying. "That" was the generally preferred form.

++Brandon
--
Me: Brandon S. Allbery   VHF/UHF: KB8JRR on 220, 2m, 440

Internet: allbery@NCoast.ORG   Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR   AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery   Delphi: ALLBERY

From -1154861555264848l6
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab4a5a9336224655
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-26 00:44:12 PST
Path: gmdzi!unido!mcsun!uunet!wa3wbu!gdx!jay
From: jay@gdx.UUCP (Jay A. Snyder)
Newsgroups: rec.ham-radio
Subject: Re: New Code-free Technician class license
Message-ID: <89@gdx.UUCP>
Date: 26 Dec 90 03:33:18 GMT
References: <9012171351.AA00050@rtp40.dg.com> <40089@genrad.UUCP>
Organization: GDX-BBS, Mechanicsburg, PA
Lines: 14
In-reply-to: dls@genrad.com's message of 18 Dec 90 13:47:25 GMT

>own. Come on, all you people who wanted no-code. Now's your chance!
>We're here to help you!
>
>Diana L. Syriac, KC1SP
>

Thanks for the support. I'm glad that there are some hams that
recognize the fact that non code hams can contribute to the ham
community. Personally, I'm a very busy person, and would not want to
devote the time to learn code, only to abandon it after getty my licence.

I want to play mostly with 2M and packet, I don't need moorse for that.

J

From -3665519666182588120
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31eb54c840f87d6a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-26 03:35:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!tut.cis.ohio-state.edu!purdue!
ames!haven!decuac!shlump.nac.dec.com!ryn.mro4.dec.com!uninet!bhajee.enet.dec.com!
jaervinen
From: jaervinen@bhajee.enet.dec.com (DJ0MAR)
Newsgroups: rec.ham-radio
Subject: DSP modems etc.
Message-ID: <301@uninet.vbo.dec.com>
Date: 26 Dec 90 11:35:53 GMT
Sender: news@uninet.vbo.dec.com
Organization: Digital Equipment Corporation
Lines: 8

I haven't followed this group for some time (years!). But at that time there was some talk of applying DSP techniques for ham radio modems; I don't remember who it was but someone planned to do some work using a DSP board (TI chip I think) for a PC. Did anything ever come out of it?

Also, I think someone offere his DSP board for sale a couple of months ago - I cannot access the message anymore, so I'd be interested to know who it was if the board is still there, or to know about any other sources.

```
From -1899846375701173466
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ded5a686cf319758,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-26 09:45:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
psuvax1!hsdndev!husc6!genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: Statistics for NoCode articles
Message-ID: <40148@genrad.UUCP>
Date: 26 Dec 90 15:37:00 GMT
Sender: news@genrad.UUCP
Lines: 36
```

Here's something to lighten your spirits in this Christmas season.
After coming back from Christmas Day vacation and trudging thru many
articles on the good and bad points about NoCode, I decided to get
some statistics (ok, so I'm a Math major :-).

I started keeping track of the posters and whether or not they were for or
against NoCode, or if I couldn't tell, and if they were against Code
(big difference between being for NoCode and being against Code). I've
got a list of about 20 names with my category assignments......But then
I figured if I posted that, I'd get flamed for posting it, so I didn't.

But then I went back and did a manual search to determine HOW MANY
articles there have been on NoCode. My computer still stores about 1200
articles, reaching back well beyond the 13Dec90 announcement.

The first article posted I could find was "Where is it going?" dated
6Dec90. Next one was posted on 9Dec90...and it was in full force by
then, even BEFORE the Official Announcement on 13Dec90. Of the 782
articles since since 9Dec90, (drum roll, please) 336 of them were on
the NoCode war and 128 of them were on the rec.ham->rec.radio.amateur
war. That means 43% of all articles has been NoCode, 16% has been
admin related, and only 40% has been the cream that most of us read
rec.ham-radio for.

Now, can we please get back to "the good old days" and get some
substance back into rec.ham-radio?

CHEERS and have a Happy New Year!
Diana

```
->Diana L. Syriac      dls@genrad.com         Ham: KC1SP (Sweet Pea)      <-
->I'D RATHER BE FLYING! P-ASEL, INST       CAP: 1LT, Freedom 690 Mobile<-
->GenRad                       AD ASTRA, PER ASPERA       <-
->MS/6, 300 Baker Ave, Concord, Mass.  01742   (508) 369-4400 x2459        <-
```

From -5969239630554051 7
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bea4a0e960e4099f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-26 12:50:14 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!uunet!
zephyr.ens.tek.com!gvgpsa!gold.gvg.tek.com!jimd
From: jimd@gold.gvg.tek.com (Jim Delwiche)
Newsgroups: rec.ham-radio
Subject: FT470 mods/undoc'd features
Keywords: FT470,mods
Message-ID: <1819@gold.gvg.tek.com>
Date: 26 Dec 90 18:30:14 GMT
Organization: Grass Valley Group, Grass Valley, CA
Lines: 7

now interested in FT470 mods and undocumented 'features'. Could some
kind soul email any good stuff to me?

Thanks,
Jim Delwiche
KK6LH
jimd@gold.gvg.tek.com

From 5403150746310331685
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aa78ea5c2184382b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-26 13:45:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!
portal!cup.portal.com!Robert_e_LaGrone
From: Robert_e_LaGrone@cup.portal.com
Newsgroups: rec.ham-radio
Subject: US/USSR/JAPAN FARS RADIOSPORT GAMES IN MAY
Message-ID: <37249@cup.portal.com>
Date: 26 Dec 90 19:04:50 GMT
Organization: The Portal System (TM)
Lines: 141

RADIO SPORT GAMES, 1991

(The following is directed mainly to hams in the states of Oregon, Washington, and California and all the other western states. We thought it might also be of interest to the general rec.ham-radio community.--Bob.)

Greetings to all members and friends of the Friendship Amateur Radio Society, Inc. (FARS).

International radio sport history was made in September 1989. For seven days, the Portland, Oregon and Niigata Japan Radiosports teams had the great pleasure of representing the U.S. amateur and Japanese radio fraternity at the First Sister Cities Friendship Radio Sports Games in Khabarovsk, USSR.

The Portland Oregon Radiosport Games, planned for 1991 are the follow on event to the '89 games held in Khabarovsk. This event will bring together teams representing the US, Japan, Canada and the Soviet Union.

The Portland games will consist of 3 main events beginning with CW sending and receiving to test Morse Code skills. The Portland event will continue with team DF and conclude with the HF operating events.

THE CW COMPETITION

Reception of the Morse code is judged on speed of reception (1 minuteK of correct copy) and the number of errors during the test run. scoring may be given for the method_ ofN transcription of the received text when handwritten.

The transmission of the Morse code is judged in three major areas, speed, correctness of transmission and style. The competition also contains bonus scoring based on the difficulty of the keying device -- straight key, vibroplex key or automatic keyer.

THE OPERATING EVENT

The operating event includes a traditional HF sprint hosted at 5 stations in the Portland area. The contest will be conducted round robin with each team operating a portion of the contest at each of the five stations.

The HF event is a single transmitter event with only one signal on the air at any given time. Additional transmitting, receiving and antenna equipment may be present at the site provided only one transmitter is active at any given time.

During the HF sprint operating of the station shall be divided among members of the team with each receiving approximately equal operating time. Each operator shall be responsible for establishing, exchanging QSO information and logging the contact. The remaining members of the team may monitor the bands and act as spotters when not activelyK operating.

THE FOX HUNT

The Fox Hunt will be conducted according to international rules and is proposed for Portlands Forest Park. It will include 5 hidden transmitters located throughout the park.

WE NEED YOUR SUPPORT

Formal invitations (both personal and State Department) will be sent to the Soviet team via personal courier on December 16, 1990. The Soviets will be sending a team of (12) individuals, and have provided complete personal information on all of them. Their number includes a number of our dear friends, with whom we competed in Khabarovsk in 1989.

Yuzo, JR1WYB, a facilitator of the 1989 Games in Khabarovsk, left for Japan on December 9, and will be pursuing a number of objectives for FARS. He will be writing an article about the games for the pre-eminent Japanese ham magazine, "CQ Ham Radio," and will be soliciting the Japanese team for the 1991 games. Oba Zenichi, JN1JPX, a member of the 1989 Japanese team, has indicated interest in organizing the 1991 Japanese team, and will spend time discussing this with Yuzo during his visit.

Yoshiko, another 1989 Japanese team member, has communicated her great desire to compete in the 1991 games, and is expected to assist Oba in his efforts. Both Yuzo and Oba are fluent in Japanese, English and Russian, and are two of our premier supporters in Japan.

Short of a full page column, this account should reflect the excitement and momentum of preparations for the 1991 games. Much effort is currently being expended on three continents by individuals concerned for the continued international cooperation of amateur radio operators and the promotion of international radiosport and the Sister-Cities Friendship Amateur Radiosport Games 1991.
We are also actively promoting Radiosport as an official activity of the International Olympics games.

While the balance of the news is good, I must again solicit your support. FARS needs you!!!! In particular, FARS needs individuals to work in the areas of:
1)Planning/Organization - Board of Directors,
2) Housing for Guests/Competitors,
3) Trans- portation of international participants to events and excursions during visit,
4) Hosts for international visitors - both Japanese and Soviet guests will

want to spend time (dinner, family outings)
with American Hams. All have expressed a desire to experience our culture and
family life,
5) Individuals willing to help conduct the competitive events of CW sending
and receiving side),
Direction-Finding (DF - Portland), and HF DX (Portland). Guest/Competitors at
the 1991 Games will be attending
for the events, but will value their experience of us as individuals and our
way of life at least as much as any of their other activities.

6) We are also looking for those of you who are interested in serving as
judges or participants as competitors on
the US teams. Send us a note about your self and your qualifications.

FARS REALLY DOES NEED YOU!!! - as representatives of the finest hobby in the
world, our American Way
of Life, and what all of us at FARS&? consider to be the greatest community in
the U.S.A.!

If you are not currently a FARS member, we'd like to encourage you to join
NOW! FARS will value any
individual contributions offered. Your ideas and participation are vital! As
we embark on formal fund-raising in
the business sector, contributions of funds would be very useful, and we solicit
them from you as individuals or
organizations. Please send requests for membership information or contributions of
skills or financial contributions
to: Friendship Amateur Radio Society, Inc., P.O. Box 13344, Portland, Oregon
97213.

73, Happy Holidays, and my hopes for international goodwill and fraternity
through amateur radio

- Dick, UA0C\WA0DIM

(Submitted by: Bob LaGrone, WX6S; Internet:
Robert.e.lagrone@cup.portal.com.)

From -6747644633785588852
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bf49a6ca5cd8b781,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-26 14:58:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!uunet!
epicb!davids
From: davids@epicb.truevision.com (David Spoelstra)
Newsgroups: rec.ham-radio
Subject: Need Webersat Image
Message-ID: <1990Dec26.200924.14035@truevision.com>
Date: 26 Dec 90 20:09:24 GMT
Sender: davids@truevision.com (David Spoelstra)
Organization: Truevision Inc., Indianapolis, IN

Lines: 9

I have read about the Webersat satellite and the great full color images of the earth that it has been transmitting, but I have never SEEN any of these images. Does anyone have one of these images in GIF or some other format that I can look at??

Thanks,
David Spoelstra
davids@truevision.com
uunet!epicb!davids

From -7542008054260802551
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcbff86ae533bc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-26 18:48:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!twg.com!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: Re: New License
Message-ID: <8493@gollum.twg.com>
Date: 26 Dec 90 22:11:02 GMT
References: <1990Dec18.153124.12173@pdn.paradyne.com> <LZmeu2w163w@phoenix.com>
Sender: news@twg.com
Organization: The Wollongong Group, Palo Alto, CA
Lines: 28

In article <LZmeu2w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
>
[with respect to licensing procedures for the new hamlette Technicians]
>
> The test will have 55 questions. To upgrade, you would take a test of
>55 questions. To walk in cold (no license), you would take a test of 55
>questions. If you walk in and take the Novice test and decide that it
>was horribly easy, and then take the Tech test, you will take the Novice
>test, and then the full 55 question Tech test. You do not need to take
>the Novice written test to be a Tech. You do not need to take the Tech
>test to be a General. You need only 55 questions.

Sorry, but this is genuine disinformation. The ruling is that applicants will be required to pass elements 2 and 3a. Period. Those are the same 2 and 3a elements as are around today (though, of course, the question pools are modified ever so slightly from time to time). These elements are commonly called the Novice written element and the Technician written element. You must complete element 2 before you can take 3a. If you pass 2, you will be given a CSCE for it, valid for one year. Same for 3a. Completing both of these will qualify you for the new Technician license. Thus the thundering hordes who have been dying to get on the air could, if they wanted, run out and take these this weekend, then send in their 610 once the ruling takes effect. In order to upgrade to General, you would then take both 1b and 3b. In other words, you

DO have to pass the Novice written exam before you can take the Technician written exam, you DO have to pass the Technician written exam before you can take the General written exam, etc. The only changes the ruling made were to drop element 1a as a requirement for Technician and to restrict Technicians who have not passed element 1a to 30 MHz and up.

From -4450689771773203429
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,652a5132a0b56e7a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,652a5132a0b56e7a,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-26 18:50:34 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!rpi!bu.edu!purdue!
haven!decuac!shlump.nac.dec.com!sousa.enet.dec.com!nikkor.enet.dec.com!hicks
From: hicks@nikkor.enet.dec.com (Chas Hicks)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Equipment ideas for the Microsats
Message-ID: <695@sousa.enet.dec.com>
Date: 26 Dec 90 20:16:54 GMT
Sender: newsa@sousa.enet.dec.com
Organization: Digital Equipment Corporation
Lines: 46
Xref: gmdzi rec.ham-radio:18458 rec.ham-radio.packet:3293

I've recently been bit by satellite QSO's and have been working CW via RS-10 and have been following the DOVE telemetry. I would now like to proceed to full use of the Microsats. I have just sent for my AMSAT membership and am awaiting books, etc that are on order.

I currently own an HF rig, a 2mFM rig and a TNC. I understand that I need 70 cm recieving capability and a PSK modem to copy the downlink of the packet data. My questions related to this are:

1. Do you have any first-hand experience with the recieving converters that take 435 down to 10m? I have seen adds for Hamtronics but would appreciate any feedback on any you are aware of and/or have experience with. Obviously, my preference would be an all-mode UHF rig, but with the rest of the equipment I'm gonna have to buy, I'd like to get by for a little less for now and add that later.

2. I would also like information on PSK modems for use with the Microsats. I have seen Paccomm's PSK-1 modem (which also copies Oscar 13 400 baud telemetry). I have heard of the G3RUH (?) PSK modem but know nothing about it. What are the rest of you using?

3. I have read that the Paccomm PSK-1 modem will not work with the Kantronics KPC TNC's (which I have) so I will most likely be looking at replacing my TNC, too. I would like to upgrade to a

unit that will support KISS mode, TCP/IP, WEFAX, etc. as well as interface with the PSK modem. I would like to go with a unit that has some future, too. I am considering the PK232 and KAM. Any others? Any suggestions on any of them? Benefits, features you look for?

4. It sounds like a regular FM rig will work for the uplink on 2m. I have a Kenwood TR7800 (25W). Any problems with this? What are you folks using? Do I need a 2m all-band rig?

Thanks for any input. I appreciate the collective feedback and common sense approach from anyone. Satellite communications is an exciting new mode for me and want to spend my $$ wisely!

73's

--chas
WB0LJP

From 1244866866547589894
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0c54d597d79c632
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-26 18:50:48 PST
Path: gmdzi!unido!mcsun!uunet!infonode!ingr!b11!herbster
From: herbster@b11.ingr.com (Joe Herbster)
Newsgroups: rec.ham-radio
Subject: Re: Codeless Tech License
Summary: What?
Message-ID: <9748@b11.ingr.com>
Date: 26 Dec 90 19:11:29 GMT
References: <785.276F70E6@w8grt.fidonet.org>
<1990Dec20.040518.28528@athena.cs.uga.edu>
Organization: Intergraph Corp. Huntsville, AL
Lines: 48

In article <1990Dec20.040518.28528@athena.cs.uga.edu>, mcovingt@athena.cs.uga.edu (Michael A. Covington) writes:
> In article <785.276F70E6@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
> >
> >I have been thinking about all of the reports similar to this that I have
> >heard, and it suddenly dawned on me that perhaps part of the opposition to
> >no-code was the desire of some to keep ham radio down at the slow, lotech
> >level they can keep up with.

> It just dawned on you now? I've been picking up those vibes since the
> debate started. Plenty of hams are _afraid_ of an influx of
> more sophisticated technical people. They're afraid that this would
> raise the standards of ham radio to the point that people who don't
> know how a radio works might find themselves out of place no matter

> how fast they can send code.

Gripe whine moan, and now that you get what you whined for, gripe moan and slam the opposition. Please explain to me how you KNOW that this "great influx of super-techies" is sure to happen? The way I see it, passing the novice and tech written exams to get on the air is EASIER than it used to be. What happened to the "more technically oriented" exam that was supposed to go with the no-code license? I think it is abundantly obvious that the RATIO of "more sophisticated technical people" to enter via the no-code path will remain unchanged or drop as long as the written exam does not reflect the sophistication. I have been helping friends and acquaintences enter the hobby for over 15 years, at a much better than 1 per year rate. From the informal survey I have verbally conducted, MOST of the new no-coders are going to be the spouses of current hams. Heck, my MOTHER is going for her ticket now at the age of ??, (WR4A's XYL :-) I don't think she would be insulted if I told the net she is NOT a sophisticated technical person. Since I have started efforts here at Intergraph in forming a communications club, most (not all) of the interested parties are MOSTLY interested in 2m autopatch privs. A few computer hackers are interested in wireless BBS and packet (some even TCP/IP) and 1 or 2 in ATV.

Please explain to me why the no-code license is going to cause a big increase in super-techie types when the test is not super-techie?

OLDE-PHARTE NOT IN THE LEAST AFFRAID OF YOUR "influx of sophisticated technical people" CUZ I'LL BELEIVE IT WHEN I SEE IT AND I'LL GET OFF MY SOAP-BOX WHEN YOU QUIT YOUR PATHETIC WHINING AND UNFOUNDED SPECULATION- Herbi (not of 14.313 fame) back to my DSP code, KM4JN

P.s. Keep it up Tad, somebody has to do it ....:-)

From 156744610115933672
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e95dda0a920dcfa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 19:34:30 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!lavaca.uh.edu!
menudo.uh.edu!lobster!urchin!f8324.n106.z1.fidonet.org!Christopher.Boone
From: Christopher.Boone@f8324.n106.z1.fidonet.org (Christopher Boone)
Newsgroups: rec.ham-radio
Subject: Re: There is no 'CW-only' segment!
Message-ID: <4457.277054C6@urchin.fidonet.org>
Date: 20 Dec 90 03:34:30 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8324 - Far Point Relay Ham, Katy Tx
Lines: 25

** Quoting "Pete Lucas, NCS-TLC, Holbrook Hous to All **
 >>There are only TWO band segments in ALL of the Amateur Radio
 >spectrum that
 >>are truly CW only:
 >>
 >>   50.0 - 50.1 MHz
 >>   144.0 - 144.1 MHz
 >>
 >This is *NOT TRUE*!
 >Most of the World has *NO* 'CW Only', 'Phone-only' sub-bands.
 >It is only
 >a result of the FCC licensing policy that the USA has these
 >restrictions.
 >There is *NOTHING* in ITU regs. to give foundation to the US
 >restrictions;
 >the restrictions are there through the whims of the FCC.
 >
** End of Quote **
Restrictions or not they are CW only subbands as per Part 97....Your answer
seemed to imply that the originator of the subject was incorrect in stating
that 50-50.1 and 144-144.1 is CW ONLY (which they are! I didnt realize that
until I looked in the rules...hmmph..guess you do learn something everyday..
CW at 6 and 2??? Guess the Gonsets have a strong lobby!)
73
WB5ITT

From -7106309299763150476
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c1b5c461124ba58
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 19:47:52 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!hp-ptp!bmp
From: bmp@hp-ptp.HP.COM (Brian M. Perkin)
Newsgroups: rec.ham-radio
Subject: Re: New Sony Logging/Monitoring tape recorder?
Message-ID: <2700018@hp-ptp.HP.COM>
Date: 20 Dec 90 03:47:52 GMT
References: <1861@atlas.tegra.COM>
Organization: HP Pacific Technology Park - Sunnyvale, Ca.
Lines: 14

I have seen one, but have not yet purchased. They have a model
that takes standard cassettes and appear to have a model that
is similar that takes mini-cassettes. The model I looked at
(standard cassettes), does not have a line input, does not
include a AC adapter and sells for about 90.00 (list is higher).
The place I saw it could not find the manual and was too busy
for demoing, so there is much about the unit I don't yet know.

I don't know where the time stamps are stored. I hope they put
a digital burst on the other track of a stereo pair, but

I am just guessing on that.

Brian Perkin
N6RSW

From 3182790802927011375
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a0340e29e2ecb5c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 20:02:26 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: FCC ACTS ON CODELESS LICENSE
Message-ID: <792.276FFEE7@w8grt.fidonet.org>
Date: 20 Dec 90 04:02:26 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 20

> From: john@qip.UUCP (John Moore)
> Date: 18 Dec 90 06:12:50 GMT
> Organization: Anasazi, Inc. Phoenix, Az
> Message-ID: <5843@qip.UUCP>
> Newsgroups: rec.ham-radio
>
> I do wish that they would have a different call sequence for codeless
> (or is the PC term "lesser abled"?) tech licenses - it would make
> enforcement work a little bit easier.

The thing that has me bemused and amused is the tacit assumption in many ham circles that new no-code hams will be of lower caliber than existing hams. All the talk I've heard is that the 'new' techs may be better and conceivably turn out to be the ones who look down their noses.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 6820796139311931031
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0c54d597d79c632
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 20:05:18 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: Codeless Tech License
Message-ID: <1990Dec20.040518.28528@athena.cs.uga.edu>
Date: 20 Dec 90 04:05:18 GMT

References: <785.276F70E6@w8grt.fidonet.org>
Organization: University of Georgia, Athens
Lines: 16
Posted: Wed Dec 19 20:05:18 1990

In article <785.276F70E6@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>
>I have been thinking about all of the reports similar to this that I have
>heard, and it suddenly dawned on me that perhaps part of the opposition to
>no-code was the desire of some to keep ham radio down at the slow, lotech
>level they can keep up with.
>
>Any thoughts on this?
>

It just dawned on you now? I've been picking up those vibes since the debate started. Plenty of hams are _afraid_ of an influx of more sophisticated technical people. They're afraid that this would raise the standards of ham radio to the point that people who don't know how a radio works might find themselves out of place no matter how fast they can send code.

From -2214810901568559462
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 20:15:06 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <1990Dec20.041506.28696@athena.cs.uga.edu>
Date: 20 Dec 90 04:15:06 GMT
References: <9012192258.AA00358@tilde>
Organization: University of Georgia, Athens
Lines: 16
Posted: Wed Dec 19 20:15:06 1990

In article <9012192258.AA00358@tilde> dube@cpdvax.csc.ti.com writes:
>
>I'm still skeptical. Suppose there is a big hue and cry to eliminate the
>theory exams? (to get more people into Amateur Radio, of course)
>CB-ification will have been achieved. Can't happen, you say? Well, they
>said a No-Code Ham license would never happen several years ago. Never say
>Never.
>
You have to remember that the no-code license was the FCC's idea and the FCC was definitely not catering to outlaw CBers or slackers. The FCC was trying to deal with the fact that nowadays, our best electronics talent is not being attracted into ham radio.

People forget where the no-code proposal came from. The FCC has been
talking about it since 1940 and, until now, had been shouted down by
the ham community every time.

From 3420478859305690215
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcbff86ae533bc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 20:15:52 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!
unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: New License
Summary: Net tech test
Message-ID: <696@wells.UUCP>
Date: 20 Dec 90 04:15:52 GMT
References: <C^K^&2$@rpi.edu> <kTXFu4w163w@phoenix.com>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 29

In article <kTXFu4w163w@phoenix.com>, stanley@phoenix.com (John Stanley) writes:
>
> luigi@aix02.aix.rpi.edu (John L Luigi Giasi) writes:
>
> > In article <LZmeu2w163w@phoenix.com> stanley@phoenix.com (John Stanley) write
> > >   The test will have 55 questions. To upgrade, you would take a test of
> > Where did you get this one? The information I was given indicated
>
>   I got it off THIS newsgroup.

Absolutely correct. The new setup-to-be:

Novice: elements 1A (5 wpm) + 2 (30 q. Novice)

Tech: elements 2 (30 q. Nov) + 3A (25 q. Tech.)

Tech + 1A = (current Tech) Novice & Tech privileges

Novice + 3A = --- same thing ---

My only complaint is that the Novices still aren't in the V.E. program.
Too many Novice tests have been bought or given away.
Even the V.E. sessions are a bit lax at times - some groups more than others.
One, remains unidentified here, regularly passes those who fail miserably at
other local sessions. If anyone wants more info, post a request.
There are plenty of Extras what shouldn't be.

:wq

From -4149617245135710494
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 20:24:00 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!pdxgate!parsely!tod
From: tod@parsely.uucp (Tod Oace)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Summary: Not really.
Message-ID: <1990Dec20.042400.9949@parsely.uucp>
Date: 20 Dec 90 04:24:00 GMT
References: <18314@shlump.nac.dec.com>
Reply-To: tod@parsely.UUCP (Tod Oace)
Organization: The Affiliates' Complex
Lines: 50
Posted: Wed Dec 19 20:24:00 1990

In article <18314@shlump.nac.dec.com> magid@esis.enet.dec.com (Joel Magid...) writes:

> I think we will see people conform to the norms of the hobby
> the good the bad and the indifferent. The norms more than the
> exams will put the pressure on to conform. Also remember that
> once someone earns something they have a tendancy to value it.
>
> Remember a license still must be obtained by taking a written
> exam. The exam still must be studied for ..... there is some
> pride in passing and as such .... I'll bet the fear of the
> CB'er passes without many issues.

Sounds good to me.
This got me thinking of some differences between CB & HAM and that help make HAM operation well behaved. Certainly the pride and value of having earned the privelidge to be a HAM radio operator as mentioned above is a difference. Even the words "HAM radio operator" seem special to me. Another difference is having a authentic callsign and being required to ID, as opposed to picking a CB handle.
I never did decide on a handle for myself when I was trying out CB.
I was dismayed by the number of people who weren't practicing good CB operation, and I felt intimated by them. Plus I couldn't really think of anything to say.....not a really good environment for someone who's trying to overcome shyness. Anyway...I don't want to put CB down. I'm just thinking of why the VHF & UHF HAM activity I've heard seems well behaved to me, and why the chances of hearing well behaved CB activity is a rough _maybe_. The combination of pride, rules, and interest in radio seems to make quite a difference.

I took the Novice & Tech. tests at the end of November, so I'm anxiously awaiting you know what in the mail. I hope I enjoy being a HAM, and I sure hope I think of something to say for phone activity! :-)
I'm going to get involved in packet, and I'm also interested in trying out CW.

I hope the new codeless Tech. class does good things for the popularity
of HAM radio....seems like it will. And hopefully it won't cause
the problems some people are worried about. I think the codeless
class makes sense because there are so many worthy things to do in
HAM radio that take time and energy to learn, and if someone wants to
spend time & energy (& money! :-) on phone, packet, etc. instead of
on CW, well hey, that's fine with me. It could make for all the
better non-CW type operator. Just don't judge for other people the
value of CW or any other mode. If someone likes CW and you don't,
well then that person values CW and you don't. That's all.
Me, well I'd like to try a little of everything.
73s... -Tod
--
Tod Oace (tod@parsely.UUCP) ...!tektronix.TEK.COM!percy!parsely!tod

From -3401457572854433259
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 20:37:03 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!swrinde!
zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Summary: re the General license
Message-ID: <698@wells.UUCP>
Date: 20 Dec 90 04:37:03 GMT
References: <9012192234.AA28592@tilde>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 25

In article <9012192234.AA28592@tilde>, dube@cpdvax.csc.ti.com writes:
> From k3tx@wells.UUCP (Dave Heller):
>
> (Subject: Re: A New Problem)
>
> >***How many reading this know the real origin of the *fancy* setup of callsigns
> >the USA is blessed with?   ^^^^
> >And *puzzle* I went into the FCC office and took the 13 wpm code test. I did
> >not pass. I left that same day with my General license. (Back then the 30
> >day wait rule was inviolate. And the FCC examiner did NOT make any mistake.)
> No puzzle! The General Radiotelephone license requires a heckuva lot more
> technical knowledge than the General class Ham license, but no CW or oper-
> ating practices knowledge. But then it doesn't convey the Amateur privileges.
>

The General (Comm'l) license is just wallpaper as someone else put it. No
license at all required to work on domestic radios other than amateur.
And in my posting I referred to the Amateur General license. I don't think
the General phone was even in existance when the FCC still gave ham tests.

And even so, if memory is correct, they never tested for General, but only
gave that insignificant certificate to those who wanted it and whose 2nd or
1st phones were up for renewal.

So guess again.

73

From -6135262996377090078
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 21:23:57 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Keywords: NoCode
Message-ID: <5877@qip.UUCP>
Date: 20 Dec 90 05:23:57 GMT
References: <41520@ut-emx.uucp> <1990Dec17.161526.5276@ni.umd.edu>
<39359@nigel.ee.udel.edu>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 35

In article <39359@nigel.ee.udel.edu> masters@freezer.it.udel.edu (paul masters)
writes:
]I would be verry interested in efforts to get the FCC to do the job that we pay
]them to do, and enforce the laws. There is absolutely no excuse for the feddERAL
]negligence in handleing this matter. It's gotten to the point where someone is
]going to get hurt, or killed, all because the FCC refuses to get off their lazy
]buts and end to this 14.313 problem.
]
The problem is NOT the FCC. It is the congress, which does not allocate the
FCC enough money to fund any significant enforcement. All you have to do
to confirm this is listen to the "sidebanders" between 10 and 11 meters.
They are blatant as hell, but few get caught.

Another thing to consider is that a lot of this stuff is not, in a
larger sense, very important. Is it more important to catch and
punish a robber or a jammer? This is, after all, a hobby. Jammers and
other turkeys (KV4FZ, K1MAN, BARF, etc) are
annoying as hell, but except when one is handling traffic, they are
not much of a hazard to society. I consider them to be more like
vandals - they destroy something we value, for no good reason, but
are not particularly dangerous. We'd all like to make them pay, but
how much are WE willing to pay to do this?

There are exceptions where jammers are dangerous. When I have operated
as net control on the Hurricane Watch Net, I have been badly jammed,
and it has hampered net efficiency - which could cost lives. I am also
aware of 3 incidents here in AZ in which potentially life saving calls were

prevented by a jammer (now deceased, himself) - all of these incidents
ending in the deaths of the victims. This sort of jamming is more dangerous
and more deserving of prompt and serious FC action.
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From -1124551815705717876
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,81962d0aa7aa67a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 23:11:26 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Communications Quarterly
Keywords: HR replacement
Message-ID: <1990Dec20.071126.24431@ux1.cso.uiuc.edu>
Date: 20 Dec 90 07:11:26 GMT
References: <685@ssc.UUCP>
Organization: University of Illinois at Urbana
Lines: 14

tad@ssc.UUCP (Tad Cook) writes:
>I just got the first issue of CQ's quarterly answer to Ham Radio
>magazine, Communications Quarterly.
>
>If they keep up this level of quality, they will have a great
>magazine! It is very attractively laid out, and has many interesting
>articles:

My only objection is that the paper was too slick. The ink comes off
too easily. I have to be careful to avoid touching the ink.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -2312394396253662513
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,5dd2f14b9ce66a7c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-20 01:54:31 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)

Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: morse code
Message-ID: <1689@ke4zv.UUCP>
Date: 20 Dec 90 09:54:31 GMT
References: <1990Dec12.231058.23895@engin.umich.edu>
<1990Dec14.012315.7858@zoo.toronto.edu> <1990Dec14.152659.8250@val.com>
<1916@Terra.cc.brunel.ac.uk>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Followup-To: sci.electronics
Organization: Gannett Technologies Group
Lines: 73
Xref: gmdzi sci.electronics:10302 rec.ham-radio:18254

In article <1916@Terra.cc.brunel.ac.uk> ccopjss@cc.brunel.ac.uk (John Smith) writes:

>
>There is a point no-one seems to mention, the concept of "filtering out the noisy".
>
>Unfortunately it is not one hundred percent successful but it does make a lot of difference.
>
>Anyone who has listened to the quality of the conversations on both amature radio bands and the so called "citizen" radio bands have noticed the difference in the mentalities involved.
>
>As long as the difficulties of learning Morse code in order to get a licence, continues to keep to a minimum the number of the ignorant and foul mouthed types allowed to use certain frequencies I have no doubt it will be used.
>
>So let us hope that "the powers that be" keep obstacles such as the technical exam and the morse code test, for the benefit of those who can use radio sensibly.
>
>I do not have an amature radio licence, but I know people who do and on the whole they are better than the CB types who dont.
>

The average age of amateur radio operators is 50. The average age of CB operators is between 20 and 30 (no one knows for sure since licensing for CB is now nonexistant). The number of CB operators is at least 10 times the number of amateur operators and they are all crowded into 40 channels. The classic generation gap between the more mannerly oldsters and the young rowdies is a reflection of social change not differing licensing requirements. The huge numbers and the extreme crowding make the problems heard on CB seem much worse than they are. If you confined your amateur operations to 14.313 Mhz and certain portions of the 75 meter band and certain 2 meter repeaters, you would think that amateur radio was as bad as CB.

We must wake up to the fact that amateur radio inevitably will face the effects of social change as the older generation dies off and new blood trickles in whether there is a code test or not. Now that there is not a code test for one class of license, this trickle may accelerate a bit. We must prepare to deal with these changes. Fortunately, we still have a bit of room so the intense crowding that CB suffers won't be a big factor in making things worse. Also we have the advantage that we outnumber the newcomers and will for some years to come. CB's problems started with an explosion of new operators who overwhelmed the few early users. There was no chance to introduce the newcomers to established operating practices. We have that chance, if we don't blow it. Things will change as the demographics and size of the operator pool changes. We have the opportunity to guide the changes that will inevitably come to amateur radio, if we are willing to get out and work to do so. Not all of the changes will be bad. We will either learn new ways ourselves, or be relegated to the old fossil's corner. Times of change are times of opportunity if you have an open mind. Only dead things don't change.

As a positive example of what you can do. In your licensing classes, spend the time you would have taken teaching Morse to prospective Techs, teaching good operating practice. On the air, welcome the newcomers and demonstrate by example good operating practice. At your club meetings, seek out newcomers and welcome them. Invite newcomers to participate in your activities.

To handle the inevitable troublemakers found in any new barrel of apples, dust off that DF equipment. Organize a group of turkey hunters. Bring social pressure to bear against the bad guys. As a last resort, work through the ARRL monitoring system to aid the FCC in shutting them down. Become a part of the ARRL monitoring system yourself, make it work.

We have the power to make amateur radio better than it is, if we are willing to work at it. Sitting on the sidelines gripping and whining won't do the job.

Gary KE4ZV

From -7454158997947727264
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0c54d597d79c632
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 05:24:45 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Codeless Tech License
Message-ID: <4488@lib.tmc.edu>
Date: 20 Dec 90 13:24:45 GMT
References: <785.276F70E6@w8grt.fidonet.org>
<1990Dec20.040518.28528@athena.cs.uga.edu>
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 32

Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <1990Dec20.040518.28528@athena.cs.uga.edu> mcovingt@athena.cs.uga.edu
(Michael A. Covington) writes:
>In article <785.276F70E6@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim
Grubs) writes:
>>I have been thinking about all of the reports similar to this that I have
>>heard, and it suddenly dawned on me that perhaps part of the opposition to
>>no-code was the desire of some to keep ham radio down at the slow, lotech
>>level they can keep up with.

I don't agree with this one at all, at least as applied to myself. I have no
problems with more technical people in ham radio; my apprehension about the
no-code license is that we will be inundated by the antithesis of those - the
unruly CB-outlaw types.

>It just dawned on you now? I've been picking up those vibes since the
>debate started. Plenty of hams are _afraid_ of an influx of
>more sophisticated technical people. They're afraid that this would
>raise the standards of ham radio to the point that people who don't
>know how a radio works might find themselves out of place no matter
>how fast they can send code.

I _do_ have a problem with this, though: there should _always_ be a place in
ham radio for people who can contribute in non-technical ways.

This group is _extremely_ atypical of the general amateur population.
Usenetters are, by and large, technical people. That's _not_ true of the
amateur population as a whole. There are many folks who contribute to the
fulfillment of the basis and purpose of the amateur radio service without
ever picking up a soldering iron or firing up a compiler. The posters to
rec.ham-radio.* keep forgetting that.
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
  "...flames are a specific art form of Usenet..." -- Gregory C. Woodbury

From -1026793024603676926
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6dea4a1f85d339f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 168b3f,993fa02b55d735d4,start
X-Google-Attributes: gid168b3f,public
X-Google-ArrivalTime: 1990-12-20 05:28:37 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!usc!cs.utexas.edu!
uunet!swlabs!jack
From: jack@swlabs.uucp (Jack Bonn)
Newsgroups: sci.radio.shortwave,rec.ham-radio
Subject: Re: Shortwave radios illegal?
Message-ID: <1990Dec20.132837.1786@swlabs.uucp>
Date: 20 Dec 90 13:28:37 GMT
References: <9158@scicom.AlphaCDC.COM>

Reply-To: jack@swlabs.UUCP (Jack Bonn)
Organization: Software Labs, Ltd.
Lines: 23
Xref: gmdzi rec.ham-radio:18296

In article <9158@scicom.AlphaCDC.COM> wats@scicom.AlphaCDC.COM (Bruce Watson)
writes:
>The 1990 Passport to world band radio has an article concerning
>forbidden listening in various countries. It says that during
>WWII German and Italian nationals (not citizens) in the US
>possessing SW radios were required to surrender or render the
>SW bands inoperative.
>
>But did this apply to US citizenry at large?

Just to foreign nationals, the way I understand it. My father's father,
although of Italian decent, held Canadian citizenship during WWII. Upon
being faced with giving up his SWR, he decided to bring it to my mother's
mother's house. This way he abided by the law, but presumably was able
to listen to his radio when he wanted.

War is a strange thing indeed.

-Jack
--
Jack Bonn, KC1UH, <> Software Labs, Ltd, Box 451, Easton CT 06612
uunet!swlabs!jack (UUCP)
jack@kc1uh   (TCP/IP)
kc1uh@wb1cqo   (AX.25)

From -5915014947118728016
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10cfc2c9d120d5f3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,10cfc2c9d120d5f3
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-20 05:47:35 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!bcm!lib!
thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: Call for Discussion, pass two: reorganization of rec.ham-radio.*
Keywords: rec.ham-radio, reorganization
Message-ID: <4489@lib.tmc.edu>
Date: 20 Dec 90 13:47:35 GMT
References: <Dec.16.16.50.27.1990.21670@turbo.bio.net> <4101@osc.COM>
Sender: usenet@lib.tmc.edu
Followup-To: news.groups
Organization: University of Texas Medical School at Houston
Lines: 45
Xref: gmdzi news.groups:23774 rec.ham-radio:18257
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <4101@osc.COM> jgk@osc.COM (Joe Keane) writes:
>The proposal looks pretty good overall. It definitely makes sense to unify
>things under a `rec.radio' category.

I agree...that's why Paul proposed it and I adopted it.

>I don't know about replacing `ham' with `amateur'. I think most people would
>call themselves `hams' and not `amateurs'. Besides, `ham' is easier to type.
>Basically, it doesn't seem to me like there's a good enough reason to change
>it from what it was. But i don't think it makes a big difference either way.

Who types newsgroup names?

"Amateur" is the official name of the service, and is internationally recognized. "Ham" is an American colloquialism. Which is better suited to an international network?

>I think that it'd be useful to have a separate `tech' group. Questions like
>``What sort of cut-off slope can i get with so-and-so filter?'' don't really
>belong in a general group. Regarding flames, the `legal' group is supposed to
>take care of that, so i don't see why that should stop us from creating
>another group. And regarding gatewaying, i don't see why both groups couldn't
>be gatewayed together. The mailing list members need never know there are two
>separate groups.

The problem there comes when mailing list readers reply to messages in the group. Naturally, they reply to the mailing list. Where should the list post those replies? Posting to just one of the groups breaks discussion chains, while posting to both will result to non-technical postings to the technical group and technical postings to the general group - which defeats the purpose of splitting the technical postings out in the first place.

[about naming the general discussion group .misc]
>I think this encourages people to classify their discussion into the right
>group, rather than just dumping it all in a parent group. There's already at
>least three subgroups, and most likely more will be added in the future. So
>we might as well do it right to start.

I'm leaning in this direction now. The precedent set by the other reorganizations in the recent past is persuasive.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
  "...flames are a specific art form of Usenet..." -- Gregory C. Woodbury

From 292085386871110206
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9202acb5cb8e6350
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 06:39:37 PST

```
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!unmvax!uokmax!skaggs
From: skaggs@nsslsun.gcn.uoknor.edu (Gary Skaggs)
Newsgroups: rec.ham-radio
Subject: Re: And the war rages on!!!
Message-ID: <1990Dec20.143937.5254@uokmax.ecn.uoknor.edu>
Date: 20 Dec 90 14:39:37 GMT
References: <208@platypus.uofs.edu>
Sender: news@uokmax.ecn.uoknor.edu (Nets)
Organization: National Severe Storms Laboratory
Lines: 19

In article <208@platypus.uofs.edu> bill@platypus.uofs.edu (Bill Gunshannon)
writes:
>
>You know, I thought now that the FCC had finally acted and created a
>class of license that did not require CW, the endless debate would finally
>come to an end.
>
>I was wrong.  :-(
>
>bill    KB3YV
>
For the first time in 18 months, I've put kill files in my newsreader.
Sigh...
Could it be that the Rush Limbaugh-ARF-14.313 mentality has cloned itself
here?
------------------------------------------------------------------------------
Gary Skaggs - WB5ULK   skaggs@nssl.gcn.uoknor.edu  DOC/NOAA/ERL/NSSL

     "I don't wanna shoot you, and you don't wanna be dead."
               Malachi Johnson (Danny Glover), Silverado.


From 1642556032401627610
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ff380314f0ffe0e6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 06:41:46 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!mvb.saic.com!ncr-sd!
sdd.hp.com!hplabs!hpfcso!hppad!lapp
From: lapp@hppad.HP.COM (David Lapp)
Newsgroups: rec.ham-radio
Subject: Re: Printer Info needed
Message-ID: <3330003@hppad.HP.COM>
Date: 20 Dec 90 14:41:46 GMT
References: <121@thoreau.nsc.com>
Organization: HP Panacom Automation Div Waterloo, Ont.
Lines: 13

I have a Roland printer which is the same as your Panasonic.
Roland advertises the memory upgrade as a 'chip' and I have talked
to a service tech. who said that it is just a memory IC.
I took a look at my printer trying figure out how to open the case
```

and couldn't see how. I decided before I tried being too forceful
I'd wait for the warantee to expire :-). If you figure out
to open the case please let me know the details.

BTW I've had this printer almost a year (guess that warantee must be
almost done :-) and have found it to be very good.

Dave Lapp
lapp@waterloo.hp.com   Standard Disclaimer etc...

```
From -7109507292806610603
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,822014fa21599fe2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 06:46:54 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!masscomp!ocpt!tsdiag!
davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: Name of new TECHNICIAN LICENSE
Message-ID: <1269@tsdiag.ccur.com>
Date: 20 Dec 90 14:46:54 GMT
References: <1990Dec17.232725.23542@cbnewsj.att.com> <58130005@hpcupt1.cup.hp.com>
Organization: Concurrent Computer Corp. Oceanport NJ
Lines: 19
```

In article <58130005@hpcupt1.cup.hp.com> holly@hpcupt1.cup.hp.com (Jim Hollenback) writes:
-This is a most 'wonderful' way of welcoming the new-commers to ham radio.
-Perhaps we should insist that they sit in the back at club meetings, that
-is if we let them in the meeting in the first place. Pray tell what is
-wrong with the name TECHNICIAN? What is so great about element 1A that
-makes the person that passed it better than one that did not? It is
-stupid, bigoted atitudes like this that turn people off on the hobby.

I totally agree that the newcomers shouldn't be oustracized in any way -
I certainly won't seeing as most of my friends are now chomping at the
bit to get one. However, if the FCC has no other way of discerning which
brand of tech class license has been issued, then I think it would be
OK to differentiate by calling the current techs (with the 5wpm code
privs) technicians, and the new techs Communicators (or whatever).

```
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

```
From -1676512802803726839
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20ee660ebc2446e1,start
X-Google-Attributes: gid10c9e3,public
```

```
X-Google-ArrivalTime: 1990-12-20 06:48:50 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!
LEAV-EMH.ARMY.MIL!RTDIMO%GOR1
From: RTDIMO%GOR1@LEAV-EMH.ARMY.MIL (Larry Carr)
Newsgroups: rec.ham-radio
Subject: 10 codes for police radio
Message-ID: <9012201714.AA19062@ucsd.edu>
Date: 20 Dec 90 14:48:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 2

Could someone post to net or email to me the 10 codes used on police radio
frequencies?  Thanks.


From -226594999680990423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e95dda0a920dcfa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 06:50:18 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!
dali.cs.montana.edu!masscomp!ocpt!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: There is no 'CW-only' segment!
Message-ID: <1270@tsdiag.ccur.com>
Date: 20 Dec 90 14:50:18 GMT
References: <19.Dec.90.10:27:13.GMT.#3387@UK.AC.NWL.IA>
Organization: Concurrent Computer Corp. Oceanport NJ
Lines: 15

In article <19.Dec.90.10:27:13.GMT.#3387@UK.AC.NWL.IA> PJML@ibma.nerc-
wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon") writes:

-Most of the World has *NO* 'CW Only', 'Phone-only' sub-bands. It is only
-a result of the FCC licensing policy that the USA has these restrictions.
-There is *NOTHING* in ITU regs. to give foundation to the US restrictions;
-the restrictions are there through the whims of the FCC.
-In most of 'the rest of the world', bandplans are by voluntary agreement.

In most of the rest of the world voluntary bandplans work. Only in the
US do we need to resort to laws.  Sigh :-(
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z


From 1532648333569396156
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
```

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 06:51:48 PST
Path: gmdzi!unido!mcsun!uunet!samsung!interlan.InterLan.COM!interlan.interlan.com!
yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: No-code license
Message-ID: <YETSKO.90Dec20095148@interlan.interlan.com>
Date: 20 Dec 90 14:51:48 GMT
References: <1990Dec16.073847.6099@ux1.cso.uiuc.edu> <619@chiton.ucsd.edu>
     <1990Dec18.050336.1415@athena.cs.uga.edu> <691@ssc.UUCP>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 19
In-reply-to: tad@ssc.UUCP's message of 19 Dec 90 06:14:35 GMT
```

Hey, I build, and experiment! I have only ONE piece of HAM gear that is 'stock', my HTX-100. Everything else is modified, or has homebrew attachments. A hombrew/kit based 10M-2M-SSB transverter. A Radio Shack TRC-457 converted to 1MHz wide on 10M (well, almost!). Scan mods in my Kenwood TR-2400. Homebuilt base charger, and home design 10W amp for my 3AT. I could go on, but when I commute in the car, all you hear is my 'yak' on 2M.

But you're right, there are appliance operators, and they make 2M just a marginal step from a party line phone. But those that I know like that are extras. But to be fair, they are experimentors on HF. One guy I THOUGHT was pretty sharp, and I still think he has immense practical knowledge on HF, thinks disabeling the PLL lock feature will 'fix' his PLL problem on his 2M setup. He's sure it's just to keep him from going out of band. Well, the guy may be totally wrong, but at least he went into the schematic and looked, although he doesn't understand PLL at all.

Mike Yetsko
N1DVJ

```
From -1833133567280746845
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,822014fa21599fe2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 07:10:35 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpfcso!ron
From: ron@hpfcso.HP.COM (Ron Miller)
Newsgroups: rec.ham-radio
Subject: Re: Name of new TECHNICIAN LICENSE
Message-ID: <7500073@hpfcso.HP.COM>
Date: 20 Dec 90 15:10:35 GMT
References: <1990Dec17.232725.23542@cbnewsj.att.com>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 46
```

> So the CW question is easy to dispense with. Does a significant amount of military communication still use CW? Could a crisis arise today that would be more severe if no CW operators existed? If it could, if we still need CW operators, then the license structure should encourage CW training.
>
>
> Kip

As a former naval officer on submarines (out in '83), I can only speak a little about that area. .... certain foreign countries of interest use manually sent CW for their standard fleet communications. Intelligence specialists, gathering info on these guys, needed the ability to copy CW as if they were the other side's fleet operators (coded groups in a non-English language). It was also painfully obvious that the operator's shifts had changed when the 'fist' changed......

Our own comms, of course, were not manual CW. However, CW came in handy :

a. For UQC (underwater telephone) when voice reverb or s/n was too poor. The manual CW button on the box was good for the occasional 'R' or 'C'. (But the other station needed to know morse too. Send slow so they can read the table off the side of the box!)

b. Close aboard surface ship maneuvering uses flashing light CW for passing messages. Having the ability to read audio CW at 5 wpm transfers to reading light sigs to standard speed also. (You'd also be surprised at all the lights from docked vessels flashing out to the departing ship. And how many of them are just personal conversations between the signalmen :-)

I understand that the POWs in N. VN communicated in morse. Part of pilot training in the '50's was a Morse class. (My father did this)

Most of the civil aircraft navigational aids identify themselves in CW, though that's changing because reading the dots and dashes off the charts was too unreliable.....

But as a reason for keeping CW a requirement? I don't think it'll fly anymore. We don't have mandatory ROTC either.

Ron (CW has been berry berry good to me) Miller
NW0U

From 2501128191608394472
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f188aa81eabdffb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 07:28:57 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!spool2.mu.edu!

news.cs.indiana.edu!ux1.cso.uiuc.edu!rtaylor
From: rtaylor@ux1.cso.uiuc.edu (Roger Taylor)
Newsgroups: rec.ham-radio
Subject: Re: Chebychev Filters
Message-ID: <1990Dec20.152857.11248@ux1.cso.uiuc.edu>
Date: 20 Dec 90 15:28:57 GMT
References: <41662@ut-emx.uucp>
Organization: University of Illinois at Urbana
Lines: 2

Actually a low pass filter, for instance, becomes a lower and lower impedance as the frequency approaches resonance, at which time it becomes a "short" to ground. The energy is dissipated in the output resistance of the driving device. There will be "reflection" only is there is a "long" transmission line between thefilter and the driver and the input impedance of the filter is substantially different than the transmission line. K9ALD

From -3275237688445252149
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d2c3326b5064666f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 08:11:05 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: No-code tech..
Message-ID: <793.2770B748@w8grt.fidonet.org>
Date: 20 Dec 90 16:11:05 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 47

> From: v127p9xg@ubvmsd.cc.buffalo.edu (Robert J Miskines)
> Date: 19 Dec 90 04:23:40 GMT
> Organization: University at Buffalo
> Message-ID: <52293@eerie.acsu.Buffalo.EDU>
> Newsgroups: rec.ham-radio
>
>
>
> Although many reasons have been given by many people for a long time, I
> figured
> I might as well throw my 2 cents in as well....
>
>
> First off, I am not a liscensed ham (yet), however I do plan to be very
> soon.
>
> I completely disagree with the no-code "tech" liscense. The major reason
> being
> what the bands are likely to become in a few years.. As i am told, CB

Why do you assume that the amateur service, by changing the makeup of its testing process, will become like a service which has no testing at all? This is not a logical assumption.

I think what we have here is a case where some amateurs of limited knowledge of communications technology assume that if ham radio changes it can only change into the only other form of two-way radio they have personal experience with - CB. Well, I have news for them - there is far more to radio communications than ham radio and CB.

Since there is still theory, rules and practices testing, the no-code amateurs are more likely to be from the non-CB area. In this case, I think ham radio will benefit from their expertise in other areas. Indeed, we "old timers" may be put to the test to keep up.

There is a sad element here. The bitter oposition to no-code in some circles is likely due to the fact that code is the only thing singular and out of the ordinary that they can do. By dropping the code requirement, we take away the only thing they have to make themselves feel good about themselves. Such people, I fear, would rather see the no-code tech license fail and destroy ham radio than to lose their delusions of specialness.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 8778731727674007
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 08:19:33 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Did the FCC go Far enough this time .....
Message-ID: <794.2770B751@w8grt.fidonet.org>
Date: 20 Dec 90 16:19:33 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 30

> From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
> Date: 19 Dec 90 14:12:29 GMT
> Organization: University of Texas Medical School at Houston
> Message-ID: <4482@lib.tmc.edu>
> Newsgroups: rec.ham-radio
>
> In article <1990Dec19.012824.15145@athena.cs.uga.edu>
> mcovingt@athena.cs.uga.edu (Michael A. Covington) writes:
> >(1) There is no longer a national need for fast CW operators. A 5 wpm
> >code exam is enough to make a ham "code-literate." After that, we

> >improve our speed if and when we need to for on-the-air usage.
>
> Tell that to KA5ZCK, who's sometimes addressed as Lieutenant Robert M.
> Craig, USNR-R. He's told me a couple of times that he's always looking
> for people to copy code, and was prepared to offer E-6 or E-7
> enlistments

Lieutenants are rather well removed from the policy making end of the chain of command in the Navy. Particularly the USNR (as opposed to USN) types. [:-)

Actually, recruiters will promise anything to anyone who is at 98.6 degrees Fahrenheit and can bend over during the physical without falling flat on his face. As often as not, the service after receiving the recruits' complaints about not getting what they were promised, shrug it off.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -5772620294948857399
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e943e7428916c16
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 08:23:44 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: ELMER
Message-ID: <795.2770B75A@w8grt.fidonet.org>
Date: 20 Dec 90 16:23:44 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 34

> From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
> Date: 19 Dec 90 01:26:15 GMT
> Organization: North Coast Computer Resources (ncoast)
> Message-ID: <1990Dec19.012615.5960@NCoast.ORG>
> Newsgroups: rec.ham-radio,rec.ham-radio.packet
>
> As quoted from <766.276A62DD@w8grt.fidonet.org> by
> jim.grubs@w8grt.fidonet.org (Jim Grubs):
> +---------------
> | After only two days since the FCC no-code Technician Class
> | announcement, I have already started to receive requests from
> | people intersted in getting me to revive the ELMER echo. What
> | about it, all you Elmers, think we can make it go this time?
> +---------------
>
> Ncoast used to run a usenet-fido gateway before "ohionet" went away.
> We're

> still willing and able, and have at least two hams resident to help out
> (N8HSP
> Terry Bell and myself). And Terry's working on a packet gateway that
> could
> conceivably be integrated into it. (Now all I need is a spare computer
> and HF
> rig so I can add APLINK ;-)

I can do the Usenet <> Fidonet link. I cannot now do any links to packet. I wonder how useful that would be? We're dealing predominantly with beginners who aren't on the air yet?

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 2979039404424273036
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 08:39:25 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Did the FCC go Far enough this time .....
Message-ID: <796.2770B763@w8grt.fidonet.org>
Date: 20 Dec 90 16:39:25 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 19

> From: jerrys@canada.sbi.com (Jerry Simonowits)
> Date: 19 Dec 90 18:11:01 GMT
> Organization: Salomon Brothers - NJ
> Message-ID: <120@canada.sbi.com>
> Newsgroups: rec.ham-radio
>
>
>
> For those of us who are not the military type, what is an E-7 or E-7
> level ??

In the Navy, it's a Chief Petty Officer. An E-6 would be Petty Officer 1st class.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

```
From 6644217049226426399
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9202acb5cb8e6350
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 08:48:12 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: And the war rages on!!!
Message-ID: <797.2770B76B@w8grt.fidonet.org>
Date: 20 Dec 90 16:48:12 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 20


 > From: bill@platypus.uofs.edu (Bill Gunshannon)
 > Date: 19 Dec 90 21:32:15 GMT
 > Organization: University of Scranton, Scranton, PA
 > Message-ID: <208@platypus.uofs.edu>
 > Newsgroups: rec.ham-radio
 >
 >
 > You know, I thought now that the FCC had finally acted and created a
 > class of license that did not require CW, the endless debate would
 > finally
 > come to an end.

It's like a wake or funeral.It helps the grieving come to grips with their
bereavement. [:-)

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org


From 8789552331029703085
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,822014fa21599fe2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 09:01:42 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: Name of new TECHNICIAN LICENSE
Message-ID: <630@chiton.ucsd.edu>
Date: 20 Dec 90 17:01:42 GMT
References: <1990Dec17.232725.23542@cbnewsj.att.com> <58130006@hpcupt1.cup.hp.com>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 27

In article <58130006@hpcupt1.cup.hp.com> holly@hpcupt1.cup.hp.com (Jim Hollenback)
```

writes:
>As many people have pointed out and
>it is quite true, 98% of this hobby can be enjoyed WITHOUT knowledge of
>CW, so why adopt a better-than-thou attitude because someone did not
>demonstrate a barely literate ability of CW? And that is about it.

Unfortunately this is not true. If you don't operate CW, build CW rigs, talk to DX OPs that run CW you can't know what is going on out there. You don't know what you are missing because you don't speak the language. The percentage of activity that envolves CW is much greater than 2%. Ask anyone who runs all modes..digital, phone, SSTV, CW etc. what the true volume of activity is. you might be surprised.

As to this "elitist" charge, I know many many CW OPs and I have never met one who did not do his best to encourage other hams, both new and old, to take up the practice. You will find CW OPs to be friendly, patient, and enthusiastic about bringing others into the fold.The only people I know who think CW OP's are elitist are those who don't work CW. How can they know whats going on if they don't speak the language. When you get tired of the nasty hamming you will find on the phone bands, talk to some CW OPs and you may find that the ham radio that you really wanted to engage in does exist.

AA6PN

--

richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

```
From 1819484048344641974
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 09:06:54 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Message-ID: <631@chiton.ucsd.edu>
Date: 20 Dec 90 17:06:54 GMT
References: <41520@ut-emx.uucp> <7500069@hpfcso.HP.COM>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 21
```

In article <7500069@hpfcso.HP.COM> ron@hpfcso.HP.COM (Ron Miller) writes:
>It's somewhat ironic that the "self-policing" ham community
>which has never had enforcement power will now be dealing with changes of
>a large scale when the FCC has no police power either due to budget
>limitations.

Gives you pause for thought does it?

> Maybe there won't be any problems. Hope not. If there
>are, it might be the excuse required to eliminate the ham bands and turn
>over the frequencies to cellular services.
>

Hmmmmm.......

AA6PN

--
richard currier marine physical lab u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From -2370121393783290222
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 09:12:06 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Did the FCC go Far enough this time .....
Message-ID: <798.2770B774@w8grt.fidonet.org>
Date: 20 Dec 90 17:12:06 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 32

> From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
> Date: 19 Dec 90 22:40:58 GMT
> Organization: University of Texas Medical School at Houston
> Message-ID: <4485@lib.tmc.edu>
> Newsgroups: rec.ham-radio
>
> In article <1990Dec19.201134.14623@midway.uchicago.edu>
> pbhx@midway.uchicago.edu (Peter B. Hayward) writes:
> >Sorry, but I don't understand your point. Are you suggesting that we should
> >continue to require this code speed in amateur radio so Navy recruiters
> >will have an easier job? If THEY need 17-25 wpm, let them provide the
> >training; we are not their farm team.
>
> My comment was in direct response to the statement that "there is no
> national
> need for fast CW operators." The Navy officially disagrees...else they
> wouldn't offer comparatively high-grade enlistments to CW operators.

No, ONE recruiter trying to fill his quota disagrees.

> farm team. Why do you think they're so high on ham radio? It's not just
> because of the frequencies we could make available to them...

Don't count on it. Who else could be displaced in wartime with no serious consequences? Police, fire, aviation, commercial fishermen, offshore oil drillers, ????

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 846592790767604490
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a0340e29e2ecb5c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 09:14:45 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: FCC ACTS ON CODELESS LICENSE
Message-ID: <799.2770B77D@w8grt.fidonet.org>
Date: 20 Dec 90 17:14:45 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 26

> From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
> Date: 19 Dec 90 23:24:00 GMT
> Organization: University of Illinois at Urbana
> Message-ID: <1990Dec19.232400.18544@ux1.cso.uiuc.edu>
> Newsgroups: rec.ham-radio
>
> john@qip.UUCP (John Moore) writes:
>
> >I do wish that they would have a different call sequence for codeless
> >(or is the PC term "lesser abled"?) tech licenses - it would make
> >enforcement work a little bit easier.
>
> ...until all the technocodes who upgraded started keeping their calls.
>
> I really don't see much of a need.

And I don't see much of a need for ARRL OO's to be more hyper about enforcement than the FCC is. I am sure that the FCC's decision not to have distinctive callsigns was deliberate, considering it would have been so easy to do.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -692251088441034441

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,329fbd206c296b9c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 09:52:53 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!ucbvax!ibma.nerc-wallingford.ac.uk!
PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House,
Swindon")
Newsgroups: rec.ham-radio
Subject: There is *NO* 'Phone-only' segment....
Message-ID: <20.Dec.90.18:00:27.GMT.#4319@UK.AC.NWL.IA>
Date: 20 Dec 90 17:52:53 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25

Christopher.Boone@ucsd.edu says:

>>
>>Restrictions or not they are CW only subbands as per Part 97....Your answer
>>seemed to imply that the originator of the subject was incorrect in stating
>>that 50-50.1 and 144-144.1 is CW ONLY (which they are! I didnt realize that
>>until I looked in the rules...hmmph..guess you do learn something everyday..
>>CW at 6 and 2??? Guess the Gonsets have a strong lobby!)
>>73
>>WB5ITT
>
^Remember^!! part 97 is USA FCC rules; they do not apply to us in Europe. We
have our own rules. Vive la Difference! I looked in my copy of ITU Radio regs,
and there was no mention of 'CW Only' or 'Phone only' subbands to be seen....
I then looked at my licence; no restriction on modes/frequencies there
either (except on Pulse-modes which are verboten anywhere below 1GHz).
As I said before, 'CW only', 'Phone only', 'Data only' restrictions do not
apply to most of the World. The FCC has *no* jurisdiction outside the USA..

Thats the nice thing about 'Rules'; if you dont like one set, you can always
find another set!

Pete Lucas PJML@UK.AC.NWL.IA G6WBJ@GB7SDN.GBR.EU

From 5953131072319658268
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20ee660ebc2446e1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 10:35:37 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!magnus.ircc.ohio-state.edu!
sbbrown
From: sbbrown@magnus.ircc.ohio-state.edu (Stephen B. Brown)
Newsgroups: rec.ham-radio
Subject: Re: 10 codes for police radio

Message-ID: <1990Dec20.183537.8723@magnus.ircc.ohio-state.edu>
Date: 20 Dec 90 18:35:37 GMT
References: <9012201714.AA19062@ucsd.edu>
Sender: news@magnus.ircc.ohio-state.edu
Organization: The Ohio State University Radio Observatory
Lines: 26
Nntp-Posting-Host: left.magnus.ircc.ohio-state.edu

In article <9012201714.AA19062@ucsd.edu> RTDIMO%GOR1@LEAV-EMH.ARMY.MIL (Larry Carr) writes:
>Could someone post to net or email to me the 10 codes used on police radio
>frequencies? Thanks.

10-codes vary a great deal from department to department, so you need to know who you are listening to. For instance, 10-4 is:

'Acknowledgement' to APCO (? I don't know what it stands for)
'Auto Accident (P.I.)' to Richland County sheriff & Mansfield police
'Auto Accident (P.D.)' to Columbus, OH, police

Also, many PDs and sheriffs don't use 10-codes, but just numerical codes. There is a BSSA (Buckeye State Sheriffs Assoc) standard list widely, but not universally, used in Ohio. The state highway patrol and the state department of natural resources (park rangers) have a different list. Many ambulance, fire, and EMS companies have their own codes.

My reference is "Scanner Radio Listings: Columbus & Southeastern Ohio". I recommend you get something similar for your region. I got mine from Universal Shortwave Radio, or try: Mr. Scanner\ 1107 Sharewood Ct.\ Kettering, OH 45429. Or check a local ham or SWL dealer.

Steve Brown, N8HFI
--
Steve Brown   sbbrown@magnus.ircc.ohio-state.edu

From 3997094722080225473
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0c54d597d79c632
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 10:52:49 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!xanadu!jeff
From: jeff@xanadu.com (Jeff Crilly N6ZFX)
Newsgroups: rec.ham-radio
Subject: Re: Codeless Tech License
Message-ID: <1990Dec20.185249.3231@xanadu.com>
Date: 20 Dec 90 18:52:49 GMT
References: <675@ssc.UUCP> <47468@apple.Apple.COM> <1990Dec19.202351.14952@midway.uchicago.edu>
Organization: Xanadu Operating Company
Lines: 21

In article <1990Dec19.202351.14952@midway.uchicago.edu> pbhx@midway.uchicago.edu
(Peter B. Hayward) writes:
>In article <47468@apple.Apple.COM> kchen@Apple.COM (Kok Chen) writes:
>>
>> A colleague who was studying Morse has now stopped and is simply
>> waiting for February to roll around.
>
>As far as I know, there is no reason to wait until February. Have him take
>the exams now, collect the Certificates of Sucessful Completion, and on
>February 15 he can walk into the VE session and have them dispatch a
>form 610 for him.
>
>--------------------------
>Peter B. Hayward   WX9T
>University of Chicago Computing Organizations

Better to take the tests now. The VECs will probably be overun by
technicians-to-be on 2/15/91. Expect long lines.

(Lots of smileys here)

Jeff

From -3489438317361415246
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 11:16:51 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!usc!apple!agate!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Internet-Packet Reply (LONG!)
Message-ID: <1250314@hpnmdla.HP.COM>
Date: 20 Dec 90 19:16:51 GMT
References: <688.27612B49@w8grt.fidonet.org>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 13

In rec.ham-radio, tad@ssc.UUCP (Tad Cook) writes:

>But my point is how can it be illegal to have a reverse autopatch (just
>because a non-ham might ring the phone causing the repeater to transmit)
>if it is LEGAL to have a possibly non-ham burglar cause the repeater to
>transmit when he sets off the burglar alarm?

I'm not sure the burglar alarm IS legal, but the justification for it is
that this is an emergency (immediate danger to life/property) situation.
Clearly the reverse autopatch for non-hams is illegal, despite the
fact that some repeater groups have it.

AL N1AL

From 4989477521026539540
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e322cca52abe7741,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 11:18:02 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes 12/14/90
Message-ID: <1945@n8emr.UUCP>
Date: 20 Dec 90 19:18:02 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 174

```
===============================================================
|         Relayed from packet radio via                 |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
===============================================================
```

n8emr note: This is a bit late due to our local news hub being
down. my bulletin postings should return.. -gary n8emr 73

SB RTTYDX @ ALLBBS $RTDX1214
RTTY DX Notes 1of3 12/14/90

RTTY DX Notes for week ending 14th December 1990
BID: $RTDX1214
Part 1 of 3.

Due to the amount of interest in the DX Notes, there will be no break over the Christmas period. There will be a change in editor from January 25th for a period of three weeks until February 12th while DX1 has a small trip away. The notes will be edited by I5FLN for that period with the assistance of OD5NG, so for those three weeks, please send your DX information to I5FLN via VK2AGE, TG9VT, OD5NG, or any other path that will get them to Luciano in time for the next week's news.

In the mean time, thank you all for your help and interest over the past years. We hope to continue in the same vein in the forthcoming years.

And now for the bad news. The bands have been lousy, terrible and at times nonexistent for the past week.

Our thanks this week go to: I5FLN, OD5NG, TG9VT, VK2EG, W2JGR and the

Tristate VHF DX Packet Cluster Network, as well as several other packet clusters. Thank you for your assistance with the information.

Bandpass:

Friday 7:
```
TY1PS       21074  at  0001Z  ARQ
HC5K        14089  at  0043Z
UW0LZ       21088  at  0046Z  QSL
ZP6XDW      18102  at  0206Z  ARQ
EA8HZ       14091  at  2110Z
```

Saturday 8:
```
9Y4VU       14087  at  0016Z
TU2OP       14088  at  0540Z
UC2OF       14082  at  0825Z
EA9MY       14087  at  0950Z
KV4JC       21074  at  1614Z  ARQ
9Q5UN       21085  at  2002Z  QSL
EA6ZP       14086  at  2150Z
TY1PS       21074  at  2224Z  ARQ
V73BN       21086  at  2255Z  QSL
```

Continued in part 2.
/EX
SB RTTYDX @ ALLBBS $RTDX1214A
RTTY DX Notes 2of3 12/14/90

RTTY DX Notes for week ending 14th December 1990
BID: $RTDX1214A
Part 2 of 3.

Sunday 9:
```
TY1PS       21089  at  0003Z
JX7DFA      14090  at  0235Z
FR5ZD       14068  at  0355Z  ARQ
UL7LR       14084  at  0430Z
EA6OK       14088  at  0457Z
WP2AUU      14074  at  1250Z  ARQ
PJ2MI       14074  at  1326Z  ARQ
TA2DE       21087  at  1359Z
9H1ED       21088  at  1421Z
6Y5EW       21074  at  1805Z  ARQ
KV4JC       14068  at  1907Z
```

Monday 10:
```
OX3EW       14086  at  0103Z
NP2CT       14068  at  0155Z  ARQ
5B4PW       14075  at  0420Z  ARQ
UC2OF       14083  at  1100Z
KV4JC       14076  at  1314Z  ARQ
```

UV3DR	21089	at	1317Z	
TA3D	14090	at	1545Z	
TY1PS	21074	at	2142Z	
V73BN	21087	at	2347Z	

Tuesday 11:

VU2SJV	14088	at	0233Z	QSL
VE8RCS	14083	at	0332Z	QSL/Note
ZF1GC	14071	at	1511Z	ARQ
LX2YD	21089	at	1705Z	
KV4JC	14069	at	1847Z	ARQ
RB5TF	14087	at	1923Z	
EI3EK	14085	at	2143Z	
V73BN	21087	at	2354Z	

Wednesday 12:

VU2SJV	14086	at	0137Z	
OX3EW	14083	at	0154Z	
KV4JC	14068	at	0209Z	ARQ
VE8RCS	14096	at	0220Z	
UP1ML	14089	at	0254Z	
V51NH	21074	at	1842Z	
ZP3XDW	18102	at	1947Z	ARQ

Thursday 13:

TU2BB	14076	at	0235Z	ARQ
5B4XA	14095	at	1850Z	Note
9X5LJ	14074	at	2130Z	

QSL Information:

UW0LZ requests his cards be sent to Box 75, Vladivostok 690090 USSR.

9Q5UN has a QSL manager of OH3GZ.

V73BN asks for his cards via KX6DC.

Continued in part 3.

/EX
SB RTTYDX @ ALLBBS $RTDX1214B
RTTY DX Notes 3of3 12/14/90

RTTY DX Notes for week ending 14th December 1990
BID: $RTDX1214B
Part 3 of 3.

VU2SJV nominates N2HOS as his QSL manager.

VE8RCS requests their cards via the Callbook address. Also see notes.

Notes of Interest:

Please note that cards for the HK0TU operation should go to HK3DDD only. Do not send them to the operator or anyone else.

Kure Island (KH7) should show up at any time and will be there until 21 December, but so far no reports.

PA3DUU will operate from Morokulien (on the Swedish/Finnish border) with the call of LG5LG December 22 to 29th, QSL to LA5DFA. at the moment it has no DXCC status.

3W3RR is still on track for Afghanistan late December, donations to NT2X. The Spratly operation has been delayed until next year.

HA9RE and HA8XX will be touring the South Pacific for the next 6 or 8 weeks. They will include Chatham Island, Rarotonga and Niue Island in their itinerary. QSL to DJ1ND.

VE8RCS, Polar Amateur Radio Club, are presently operating from Ellesmere Island, about 40km from the North Pole.

5B4XA reports that he suffered no damage from the recent earthquake.

But if you are missing some of your 'G' friends, they are possibly sitting in their fridges keeping warm.

GL DE DX1 (VK2SG).

Written by VK2SG. Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA.
Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.
/EX

From -7578841341015134165
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,822014fa21599fe2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 11:18:46 PST
Path: gmdzi!unido!mcsun!uunet!samsung!interlan.InterLan.COM!interlan.interlan.com!yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: Name of new TECHNICIAN LICENSE
Message-ID: <YETSKO.90Dec20141847@interlan.interlan.com>
Date: 20 Dec 90 19:18:46 GMT
References: <1990Dec17.232725.23542@cbnewsj.att.com>
     <58130006@hpcupt1.cup.hp.com> <630@chiton.ucsd.edu>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 19
In-reply-to: rec@chiton.ucsd.edu's message of 20 Dec 90 17:01:42 GMT

This is taking another turn...

No one will argue that if you don't know CW, you don't know what you are missing. CW is it's own language, and the people IN CW usually are very courteous and friendly. The unfriendly people are usually (IMHO) the people OUTSIDE CW, but who learned it and AREN'T using it. I'm not saying that if you learn CW your a jerk if you use phone.

Where and when people become imature and assine is beside the point.
Whether people enjoy CW or not is beside the point.
The point is should people be FORCED to become CW proficient!

There is a big difference here in the arguments. Here is a small aspect of HAM radio that is forced on people, regardless of their desires and wants. I think CW would be more successful if it was offered as INCENTIVE, not as a requirement, or 'paying dues' to join the club.

Mike Yetsko
N1DVJ

From -3939680875890992550
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f01956ddecd069ba,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 11:20:32 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: IRDXA 12/90 Bulletin
Message-ID: <1946@n8emr.UUCP>
Date: 20 Dec 90 19:20:32 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 58

```
==============================================================
|        Relayed from packet radio via                |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTY @ ALLBBS $IRDX1290
IRDXA 12/90 Bulletin

BID: $IRDX1290

IRDXA Project Status Report 12/90

The International RTTY DX Assoc (IRDXA) provides RTTY equipment to DXpeditions and resident amateurs willing to provide contacts from rare DXCC countries.

Thailand - RTTY is still not authorized. IRDXA PK-232 will be active at HS1AC (Science Museum) when RTTY is legal.

Tristan de Cunha - ANDY, ZD9BV and his bride ZD9CO are both active. Listen to his Wed/Sun sked with W4FRU on 28466 at 1700.

Rodriguez - 3B9FR made a few contacts in late Nov. His IRDXA RTTY gear but has been very scarce on any mode. Please encourage him.

Papau New Guinea - P29BT was QRV for a few weeks with his IRDXA gear very low power after blowing his transmitter. He will be in the U.S. for a month. He hopes to return to P2 in January with a new TS-440.

Malpelo - HK0TU (Raul) and the Malpelo crew did a spectacular job. Best run expedition and pileups in several years.

Malawi - IRDXA sending equipment to 7Q7LA in early December. Thanks to all who send donations. This potential new one negotiated by W8SEY.

Juan Fernandez - CE0ZZZ another well run DXpedtion. Congrads guys.
Bangladesh - Vince Thompson K5VT plans to return as S2VT in late February with IRDXA RTTY gear. X ur fingers.

Spratley - Romeo, 3W3RR is making a return trip. IRDXA is trying to get new RTTY gear into his hands for the trip.

Thanks to all who came to the rescue of IRDXA in our time of need. We are now solvent (at least for the moment) and shipments are going out. Please don't hesitate to help if you enjoy working the new ones.

IRDXA, 356 Hillcrest St, El Segundo, CA 90245 USA.
Phone (213) 322-7112 or fax 213-322-7114.

GOOD DX DE IRDXA AND W6PQS = WA6PJR

Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA
/EX

From -6494267837331683609
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,68224797fbfb3762
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 11:27:18 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!hplabs!hpda!hpcupt1!hprnd!jblake
From: jblake@hprnd.rose.hp.com (John Blake)
Newsgroups: rec.ham-radio

Subject: Re: Re: PD Morse Code Program Runnable on 386 Needed
Message-ID: <15780011@hprnd.rose.hp.com>
Date: 20 Dec 90 19:27:18 GMT
References: <18242@netcom.UUCP>
Organization: HP Roseville Networks Division
Lines: 29

In rec.ham-radio, danr@ais.org (Daniel Romanchik) writes:

> In article <18242@netcom.UUCP> feustel@netcom.UUCP (David Feustel) writes:
> >I need a (PD) morse code program that will run on a 386. I dusted off
> >a morse code program I bought for my xt in 85 and found it running in
> >the neighborhood of 120 wpm on my 386sx - a little too fast for me to
> >follow.
> >--
>
> Try getting the program ATSLOW from a local BBS. This program is supposed
> to slow down the AT to XT speeds so programs like the Morse code practice
> progam run correctly.
>
> 73, Dan KB6NU (danr@ais.org)

This is not necessary, as programs such as SuperMorse have user adjustable timing parameters. I used SuperMorse 3.15 to prepare for my Novice exam last summer, and found it extremely friendly and helpful. I've seen it run on 8088, 80286, and 80386 without any problems (clock speeds ranged from 4.77 to 25 MHz). I don't have the info handy on where to get it (it's shareware and I got it from a BBS), but if you want it and can't find it anywhere, send me email and I'll try to work something out.

```
*****************************************************************************
John Blake, KC6ORN                 Email:  jblake@hprnd.rose.hp.com
Hewlett Packard Co., M.S. R3SI
8000 Foothills Blvd.               Phone:  (916) 755-4337
Roseville, CA  95678
*****************************************************************************
```

From 6345074197579964293
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 11:38:59 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!agate!shelby!paulf@shasta.Stanford.EDU
From: paulf@shasta.Stanford.EDU (paulf)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <44@shasta.Stanford.EDU>
Date: 20 Dec 90 19:38:59 GMT
References: <9012192258.AA00358@tilde>
Organization: The Three Packeteers
Lines: 11

In article <9012192258.AA00358@tilde> dube@cpdvax.csc.ti.com writes:
>I'm still skeptical. Suppose there is a big hue and cry to eliminate the
>theory exams? (to get more people into Amateur Radio, of course)

Quick poll: How many people would not object to dropping the theory exams?

<I've seen straw men, but hey, this sucker is made of mighty thin grass...>

-=Paul Flaherty, N9FZX | Without KILL files,
->paulf@shasta.Stanford.EDU | life itself would be impossible.

From 6958894889583009374
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f188aa81eabdffb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 11:42:18 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!zaphod.mps.ohio-state.edu!wuarchive!udel!rochester!cornell!uw-beaver!Teknowledge.COM!unix!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Chebychev Filters
Message-ID: <1250315@hpnmdla.HP.COM>
Date: 20 Dec 90 19:42:18 GMT
References: <41662@ut-emx.uucp>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 49

In rec.ham-radio, kipper@ccwf.cc.utexas.edu (Kip Ingram) writes:

>Hi. A quick question about Chebychev low pass filters. The ARRL Handbook
>says that the passband SWR depends on the passband ripple (bigger ripple,
>bigger SWR). My intuition tells me that that would only become a problem
>if you actually used the filter all over the passband; SOMEWHERE in the
>passband the high SWR would occur. If I'm running at a single, crystal
>defined frequency, can't I tune my antenna for good SWR regardless of my
>filter?

If you have a narrowband signal, a Chebyshev filter is the wrong thing to
use. Align all the poles (tuned circuits) up to the same frequency for
a single-peaked response. You get a lot better attenuation of the
undesired signal this way.

>Also, a more theoretical question on filters. A low pass filter prevents
>high frequency energy from reaching the load. However, the filter is
>comprised only of inductors and capacitors, so it can't dissipate that
>energy. Furthermore, the filter components can't store it either, since
>that would result in a long term uptrend in stored energy which would
>violate the assumption that everything is steady state. The only place
>left for the energy to go is back to the source. So apparently a filter
>really functions as a reflector in its stopband, sending energy back to

>the source rather than allowing it to reach the load.

Correct. Although if there's a direct connection between source and filter (no transmission line), it is more useful just to think of the filter as a reactive load (inductive or capacitive) in the stop band.

>Of course, this means that the source must absorb all of the stopband
>energy. I'm building a QRP transmitter that filters a square wave to
>get a suitably pure sine wave. That's no problem. But if I add a
>power amp stage to get more power later, I think this means I should
>amplify the sine wave rather than the square wave. Because if I
>amplify the square wave and then filter it, the amplifier output stage will
>have to absorb the now amplified harmonic energy. Right?

If you feed the square wave directly into the amplifier, you will essentially have a "class D" amp. This is more efficient than a class C amplifier, but has higher output harmonics. In theory, a class D amplifier is 100% efficient. When the output stage is "ON" (zero ohms), there is no voltage across it, and thus no power dissipation (P=EI). When the output stage is "OFF", there is no current through it, so again P=EI=0. In reality, of course, the "ON" resistance is never zero, and the switching time is never instantaneous, so the efficiency is not 100%. I believe actual efficiency is a strong function of the topology of the output filter network.

AL N1AL

```
From 9171761663958472694
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b39b51f887746cb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 11:48:38 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: 10 meter rig recommendation?
Message-ID: <801.2770D286@w8grt.fidonet.org>
Date: 20 Dec 90 19:48:38 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 32
```

> From: tad@ssc.UUCP (Tad Cook)
> Date: 19 Dec 90 05:42:43 GMT
> Organization: very little
> Message-ID: <686@ssc.UUCP>
> Newsgroups: rec.ham-radio
>
> In article <19267@unix.SRI.COM>, larson@snmp.sri.com (Alan Larson)
> writes:
> > In article <672@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
> >

> > -Actually, using your ham call on 11 meters is LEGAL! The FCC doesn't
> > -care if or how you ID your CB station.
> >
> >   It would logically seem so, however I have heard numerous reports
> > that the FCC has some rule that prohibits it. This from articles of
> > the activities of the LOFERS running on the 160-190 kHz range.
> >
>
> I haven't looked at the rules governing the lowfers, but I am sure it
> is legal to use any call you want on CB.
>
> I don't have a copy of the rules for either service...just amateur.
> What rule is this?

Lowfer ops come under Part 15, doesn't it? I don't remember diddly in Part 15
about ID - good, bad, or indifferent.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -4526311007964441175
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 11:50:43 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Internet-Packet Reply (LONG!)
Message-ID: <802.2770D28E@w8grt.fidonet.org>
Date: 20 Dec 90 19:50:43 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 20

> From: tad@ssc.UUCP (Tad Cook)
> Date: 19 Dec 90 05:57:11 GMT
> Organization: very little
> Message-ID: <689@ssc.UUCP>
> Newsgroups: rec.ham-radio
>
> But my point is how can it be illegal to have a reverse autopatch (just
> because a non-ham might ring the phone causing the repeater to transmit)
> if it is LEGAL to have a possibly non-ham burglar cause the repeater to
> transmit when he sets off the burglar alarm?

Because the burglar didn't set it off - he doesn't even know it's there. The
control operator set it off when he established the conditions which would
produce telemetry to notify him about perturbations in the repeater environment.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 1957174246588910848
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4b95bc5678e9cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 12:20:36 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: Confirmed SAREX QSO
Keywords: robot, STS, SAREX
Message-ID: <47524@apple.Apple.COM>
Date: 20 Dec 90 20:20:36 GMT
References: <10534@uhccux.uhcc.Hawaii.Edu> <1990Dec11.163014.1785@lescsse.uucp>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 19

In article <1990Dec11.163014.1785@lescsse.uucp> gamorris@lescsse.uucp (Gary A. Morris) writes:
>
>A new number is assigned for each connect, but it doesn't go into the
>"confirmed" log if it is a dupe. And if you don't ack the QSL and
>disconnect packets it is not counted as confirmed.

Actually, the disconnect packet did not have to be ACKed by the ground
station. (Gary has verified this.)

But the QSO-number packet did have to be ACKed, which presumably kept
a lot of people out of the log. :-(

Patty
--
```
*****************************************************************************
Patty Winter N6BIS                        INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                     UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From -910777195071266695
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 12:23:52 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!bloom-beacon!vaxeline!bootsie!olson
From: olson@bootsie.UUCP (Eric Olson)
Newsgroups: rec.ham-radio

Subject: Omenmeters and Joltmeters (was Re: A New Problem)
Summary: humor
Message-ID: <46@bootsie.UUCP>
Date: 20 Dec 90 20:23:52 GMT
References: <41520@ut-emx.uucp> <7500071@hpfcso.HP.COM>
Reply-To: olson@endor.harvard.edu (Eric Olson)
Organization: Lexington Software Design, Lexington, MA
Lines: 25

In article <7500071@hpfcso.HP.COM> ron@hpfcso.HP.COM (Ron Miller [NW0U]) writes:
...
>After all, the gang that doesn't know an "omenmeter" from a "joltmeter,"
>and are known to carry saltwater in jugs in their car trunks to
>improve their signals, aren't going to pass the test. :-)

I'd have to assume that an omenmeter measures Omens, which must be
the reciprocal of Nemos, the unit of salt water signal strength
improvement. 1 Nemo is equal to 12 gallons 3x10^3 ppm NaCl H2O
per trunkmount meter watt. This makes Omens a terribly inconvenient
unit to use, although, due to physical constraints, it is much
easier to build an Omenmeter than a Nemometer.

Joltmeters measure caffein.

:-) :-) :-) :-) :-) (and, for those who know more "CW" than "usenet",
HI HI HI HI HI).

-Eric

--
Eric K. Olson, Editor, Prepare()   NOTE: olson@bootsie.uucp will not work!
Lexington Software Design   Internet: olson@endor.harvard.edu
72A Lowell St., Lexington, MA 02173   Usenet: harvard!endor!olson
(617) 863-9624   Bitnet: OLSON@HARVARD

From -2838607901464110360
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 12:36:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!agate!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9012202036.AA09127@tilde>
Date: 20 Dec 90 20:36:11 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 93

In <davet@tsdiag.ccur.com (Dave Tiller N2KAU)> Dave says:

]In article 28281 of rec.ham-radio Dube writes:
]
]>It is not illegal to MODIFY equipment.
]See below.
]>It is not illegal to BUILD equipment.
]For just about any other service, yes it is.
]>It is not illegal to OWN a receiver.
]For cellular phone without a service contract? Yes it is!
]For 10.525/24 GHz in Ct, Va, and Dc, yes it is!
]>It is not illegal to OWN a transmitter.
]>It is not illegal to TEAR UP equipment (presuming it's yours).
]>
]>It doesn't take a lawyer to figure this out; all it takes is the ability to read
]>and apply common sense.

]Perhaps you should apply a bit of your own wisdom to yourself.

OK, I'll try.

]Regarding the CB service and modifying radios:
]
]Title 47, Part 95
]
]95.425 (CB Rule 25) May I make any changes to my CB station transmitter?
]
](a) You must not make or have any one else make any internal modification
]   to your CB transmitter.

If the "you" in this rule happens to be me, I can do this if I am a person
certified as technically qualified as stated in 95.424 (b) below. However,
I agree that this is beside the point.

Applied common sense:
Once modifications have been made, the type-acceptance has been voided and
the transmitter is no longer a CB transmitter. You can no longer use it in
CB service (nor any other service that requires type-acceptance); but you
may use it in the Amateur service since that service does not require type-accepted equipment.

]further:
]
]95.424 (CB rule 24) How do I have my CB station transmitter serviced?
]
](b) ... internal repairs or internal adjustments should be performed by
]   or under the immediate supervision and responsibility of a person
]   certified as technically qualified to perform transmitter maintenance
]   and repair duties in the private land mobile services and fixed services
]   by an organization or committee representative of users in those services.
]
I might meet these requirements, but this does not mean that I can modify any
type-accepted equipment to operate outside the conditions of its type-acceptance. On the other hand, I might modify it anyway, and I could lose my

license by so doing.
]
]For the Private land mobile radio services:
]
]90.427 Precautions against unauthorized operation.
]
](b) ... no person shall program into a transmitter frequencies for which
    the licensee using the transmitter is not authorized.

Applied common sense tells me that this is tantamount to modifying type-accepted equipment (see my point above).

]For the Aviation services:
]
]87.73 Transmitter adjustments and tests.
]   A general radiotelephone operator must directly supervise and be
]   responsible for all transmitter adjustments or tests during install-
]   ation, servicing, or maintenance of a radio station. A general radio-
]   telephone operator must be responsible for the proper functioning of the
]   station equipment.

ibid.

]I have read parts 0-19 and 80-97 exhaustively. I don't claim to remember
]everything I've read, but I sure remember that your above generalizations
]are not always true. The above references were gleaned from the regs by
]quickly glancing at the indexes of the individual parts. Please read the
]regs for other services before you arrogantly generalize and patronize other
]readers of rec.ham-radio.

Well, I happen to think they are true; otherwise there are lots of Hams who are in real deep crap by operating equipment taken from type-acceptance services and placed into operation in the Amateur services.

I don't believe in gunbarrel vision when it comes to regulations. One needs to think about the intent of the regulations.

73,
Dube   N5PDK

From 3238548255282578758
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,930288c988922c58,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 12:36:16 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: SAREX QRZ list as of 12/16/90
Keywords: robot, QRZ, SAREX, shuttle
Message-ID: <47526@apple.Apple.COM>
Date: 20 Dec 90 20:36:16 GMT

Organization: Apple Computer Inc., Cupertino, CA
Lines: 112

I received this note from Tom Clark of the SAREX project the other day. It lists the callsigns that have been verified so far as having been heard by the SAREX packet robot. As he mentions, the list of stations actually worked by the robot will be released later.

Subject: SAREX "QRZ" Lists

Only a few of the SAREX "QRZ" Heard logs as monitored around the world have been received here so far. Folks are reminded that we really do need the data from the QRZ beacon. The plea for this data went out before each of the earlier abortive launch attempts. Unfortunately I had to be away at a professional meeting during the flight and it seemed that none of the SAREX news reiterated the request.

What we need is the text of the "QRZ" beacon, complete with the beacon serial number and some sort of indication of the date/time (UTC preferred). Such information can be sent on packet to

SAREX@W3IWI.MD.USA

or via internet smtp mail to

sarex@tomcat.gsfc.nasa.gov

So far about a dozen people have sent in logs covering only 20 of the 1300+ "QRZ" beacons and with big time gaps in the coverage. This means that we have a total of about 700 lines of log with 376 unique calls in the list as having had at least one packet frame heard by the shuttle. About 30 countries are included in the list. A couple of bogey calls (like TEST and KJ9) as well as some folks' typos (note both WQzeroP and WQohP) are seen.

If you aren't in the list that follows it means one of two things:

1. The shuttle did not hear you
2. Nobody has submitted a "QRZ" beacon for the time you were active

There is the hope that Ron captured some of the QRZ beacon data to the disk on the Grid laptop during the flight but I haven't seen those logs yet. There was not enough memory in the SAREX TNC to save all the calls heard, so the list of the 35 most recently heard calls in the QRZ beacon may be the only record of your having been heard! It really is important to have the QRZ beacon data sent in ASAP.

The "QSL" worked list was saved in both the TNC's RAM and in the Grid, so the complete list of stations with completed QSOs will be distributed as soon as we analyze the flight logs.

STS-35 SAREX ROBOT "QRZ" LOGS DE W3IWI -- December 16, 1990

```
3B8FP  JJ6AGL KG6DX  N7LQM  VK2PA  WA5QGD Z21FB
4X4LF  JJ6AGM KH6GDR N7LQO  VK2YUK WA6AKQ Z21GH
5B4ZI  JJ6AGN KH6JJX N8DEZ  VK3DTO WA6AZP Z21GO
7J7AAL JK3RLO KI5AV  NA5C   VK3DUG WA6DTH Z21U
AD1S   JN1BWP KI5BD  ND1V   VK3EEE WA6EMV ZR1L
AH6GR  JN1GKZ KJ6MD  NH6UY  VK3FRS WA6EQU ZR4AAO
AH6IX  JP3QJJ KJ9    NJ5N   VK3JT  WA6OEC ZR5EE
CE3AFC JP3QJK KJ9S   NW6U   VK3XL  WA6PGW ZR5TT
CX7BY  JR1EDE KK4UZ  NW7N   VK3YJM WA6TVN ZR6AGA
EA8BRV JR1RBR KP4ECL OA4AGM VK3ZUG WA6ZDO ZR6AIB
FM5AB  JR3YEO KP4EKG OA4CK  VK4AJB WA???  ZR6ARH
FO5LQ  JR4BRS KP4YD  OA4HV  VK4AOR WB3ELA ZR6YAP
FR4FM  JR5EBL KU5J   PDT    VK4BCK WB4ZOJ ZS1CA
FR5DL  JR5RTL LU1BOR PP5IA  VK4BKW WB5DGR ZS1JY
HC5AH  JR8XPV LU1EKS PT2AR  VK4SJA WB5HJV ZS1SAT
HC5K   JS1ANG LU1JDU PT2KC  VK4ZGF WB5IPM ZS4BU
HC8VB  K0IQA  LU1VIP PT2ON  VK5AGR WB5MPU ZS5AH
HK3HUC K0RZ   LU1WKJ PT2SC  VK5QR  WB5NLY ZS5AV
HK4BHA K1HTV  LU6HDV PT2TD  VK5XD  WB6BDY ZS5J
HK4DUM K1MYL  LU7DSU PT2TP  VK5ZFM WB6KGB ZS6AJS
HK4FZ  K4OSM  LU8DLH PT2WWV VK5ZTY WB6LLO ZS6AKV
HK4KIE K5ARH  LU8DYF PU2KXH VK6ABY WB6OVH ZS6AQ
HK4LLH K5JHP  LU8DYF PU2NPQ VK6BBG WB7ESQ ZS6ARY
HK5BVD K5KNE  LU9DO  PU2YVZ VK6BX  WD4AHZ ZS6AWK
JA1ESP K5SAF  LW1DU  PY2ALT VK6CC  WD4ECK ZS6AZG
JA1OGZ K5VRF  N0KSC  PY2ANA VK6CW  WD6DRI ZS6BKO
JA1YZM K6KTS  N2FAM  PY2BJO VK6DM  WD6GFF ZS6BNT
JA2BGX K6OYY  N4HY   PY2BLA VK6LI  WH6AMX ZS6BTD
JA2UGV K6PGT  N4MW   PY2BV  VK6MJ  WI5A   ZS6BZE
JA3XCZ K6SPK  N4PLY  PY2EBZ VK6UU  WP4G   ZS6BZM
JA3ZDJ K6THR  N4WKQ  PY2EML VK6VX  WP4UD  ZS6BZN
JA4BLC K7YSP  N5BF   PY2EXD VK6YJS WQ0P   ZS6CA
JA4OPF K9ES   N5FHF  PY2FE  VK6ZZ  WQOP   ZS6HQ
JA5NYJ KA1IOR N5ITU  PY2GN  VS6BZ  WR7A   ZS6HS
JA6FTL KA2RJA N5KNX  PY2MSG VS6XQF WS5C   ZS6IT
JA9DRP KA6NEI N5LCO  PY2NPP VU2ZAP WW7B   ZS6KQ
JA9IHI KA6UCD N5LKJ  PY2QE  W1YK   WX0U   ZS6SM
JA9TQK KA8SNG N5MGU  PY5AAT W2DTC  WX0U   ZS6XL
JA9VLF KB1FD  N5NUU  PY5ACP W3IP   WY0H   ZS6XU
JE1PLJ KB4SYV N5PTO  PY6ASV W5DID  WY0H   ZY5AAT
JF2ZYN KB4YJF N5QWC  TEST   W5RRR  XE1IX
JF4WQK KB5CNG N5TD   TG9AKE W5XH   XE1LCE
JG3ZSC KB5JRA N6BHG  TR8CA  W6GO   XE1LM
JH1LVN KB6BZZ N6DBK  VK1BF  W6LDF  XE1LSR
JH1OMA KC5FP  N6DGK  VK1ZZT W6PIO  XE1PM
JH2AYB KC6LHA N6IXX  VK2AAB W6YEP  XE1RAH
JH2GEC KD6FW  N6KBM  VK2AIT W7IO   XE1RK
JH2NIT KD7XR  N6KK   VK2AS  W7US   XE2M
JH2TQK KE0SC  N6NJI  VK2BXQ WA0QII XE2PH
JH2ZBS KE2FB  N6PSU  VK2DFY WA3LKW XE3RY
JH3EXG KE7NR  N6RW   VK2DOM WA4AIT XF3OZ
JH3FDA KG3N   N6TU   VK2DPG WA4SFQ XF3RGS
```

```
JH5YKM KG4TM  N6UEA  VK2EFA WA4SIR YV4AL
JJ1WTK KG5ND  N6WJP  VK2EYI WA4VUT YV4AS
                 --------------------

--
****************************************************************************
Patty Winter N6BIS                        INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                     UUCP: {decwrl,nsc,sun}!apple!winter
****************************************************************************
```

From 8794199616005180660
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67b48c45887762c6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 12:53:55 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1947@n8emr.UUCP>
Date: 20 Dec 90 20:53:55 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 59

From n8emr!KB8NW Thu Dec 20 15:34:54 1990
Return-Path: <n8emr!KB8NW>
Message-Id: <m0imW8G-0000OhC@n8emr.uucp>
[Date: Thu, 20 Dec 90 14:48 EST
[To: <ALL@ARRL>
R:901218/0721z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:15151 Z:43232
R:901218/0634z @:W8CQK Columbus, OH #:8041 Z:43229
R:901217/2258 @:WB8BII.OH.USA.NA Cuyahoga Falls, OH #:15383 Z:44223
R:901217/2218 @:WA8BXN.OH.USA.NA Kirtland, OH #:24736 Z:44026

ARRL AMATEUR RADIO NEWS RELEASE #30
PART 1 OF 2
BID: ARNR001   DEC. 13, 1990

FCC CREATES CODELESS CLASS OF AMATEUR RADIO LICENSE

For the first time ever, starting in February it will be possible to obtain an Amateur Radio license in the United States without passing a Morse code test.   The Federal Communications Commission (FCC) has eliminated the need for new Technician class Amateur Radio license applicants to demonstrate proficiency in Morse code in order to have all amateur privileges above 30 MHz, The implementation date may be as early as February 1991. Technicians who obtain their licenses prior to that date will be grandfathered, meaning their existing HF privileges will continue.

The codeless Technician written examination will have 55 questions.

New Technicians wishing to gain access to the HF privileges below 30 MHz now enjoyed by Novices and Technicians will be required to pass a 5 WPM Morse code test before three Volinteer Examiners accredited by Volunteer Examiner Coordinators, and will be given a Certificate of Successful Completion of Examination (CSCE) to serve as evidence of their qualifications. There will be no call sign designator to indicate Technicians who have or have not passed a code test.

The FCC took this action in response to numerous petitions and public comments. By offering a codeless class of license with privileges exclusively abova 30 MHz, an entry level license will become available to those who find the Morse code a barrier to becoming an amateur radio licensee. The FCC decided to retain the current Novice Class operator license as an alternate entry level license for those persons able to pass the 5 WPM Morse code test instead of the more comprehensive written exam required for the Technician Class license. No changes in Novice examinations or privileges were announced.

At a press briefing held just after the Commission's meeting, FCC Private Radio Bureau Chief Ralph Hallar said, "The Amateur Service is not growing as it should relative to what it has to offer." He said that the Amateur Service is where our nation's technical expertise comes from--that the changes should attract people who are interested in computers and digital communications, and should help the U.S. to be more competitive.

February 1991 QST will carry more details.

Relayed by KB8NW/OBS and BARF-80 BBS online
at 216-237-8208 2400/1200/300

From 1401321798600510682
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67b48c45887762c6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 12:54:14 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1948@n8emr.UUCP>
Date: 20 Dec 90 20:54:14 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 54

Return-Path: <n8emr!KB8NW>
Message-Id: <m0imW1R-0000tIC@n8emr.uucp>
[Date: Thu, 20 Dec 90 14:49 EST
[To: <ALL@ARRL>

```
R:901218/0723z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:15152 Z:43232
R:901218/0639z @:W8CQK Columbus, OH #:8042 Z:43229
R:901217/2256 @:WB8BII.OH.USA.NA Cuyahoga Falls, OH #:15382 Z:44223
R:901217/2221 @:WA8BXN.OH.USA.NA Kirtland, OH #:24737 Z:44026
```

ARRL AMATEUR RADIO NEWS RELEASE #30
PART 2 OF 2
BID: ARNR002
DEC. 14, 1990

ARRL APPLAUDS FCC RETENTION OF NOVICE LICENSE, SEEKS INPUT ON PRIVILEGES FOR CODELESS TECHNICIANS

Responding to the Federal Communications Commission action in PR Docket 90-55 creating a codeless class of Amateur Radio license, the President of the American Radio Relay League, Larry Price, W4RA, noted with pleasure that the Commission had decided to retain the Novice license as a means of entry into Amateur Radio and to adopt a codeless license with a meaningful written examination requirement. Our members were very strong on both of these points, because they Couldn't imagine how we could maintain the character of the Amateur Radio Service without them." Mr. Price said.

However, President Price sounded a note of caution with regard to the privileges the Commission plans to grant to Codeless licensees, "The formula developed by the ARRL Board, which called for privileges above 220 MHz, was based on extensive membership input. It was carefully balanced to offer attractive privileges while protecting existing patterns of amateur activity." While it will take sometime to gauge the reaction to the Commission's action. Mr. Price observed that the FCC formula is likely to be less acceptable to many amateurs than the League's. He asked that League members share their views with their elected Directors, who collectively determine League policy.

"Before we can decide whether to request that the Commission partially reconsider its action, we'll have to see the Report and Order," said Mr. Price. Usually it takes the FCC from several days to several weeks after a Commission action to release an item after editorial review. There is a 30-day window of opportunity following release in which petitions for reconsideration can be filed. Mr. Price noted that the ARRL Board was holding its regular meeting on January 18-19, 1991. "The timing looks good for a careful review of the Commission's action at that meetlng." he said.

Relayed by KB8NW/OBS and BARF-80 BBS online
at 216-237-8208 2400/1200/300 8/N/1

From -2383823491547500051

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 13:03:14 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!sdd.hp.com!hplabs!hpcc05!hpdmd48!ritchie
From: ritchie@hpdmd48.boi.hp.com (David Ritchie)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <530036@hpdmd48.boi.hp.com>
Date: 20 Dec 90 21:03:14 GMT
References: <9012192258.AA00358@tilde>
Organization: Hewlett Packard - Boise, ID
Lines: 14

>And even so, if memory is correct, they never tested for General, but only
>gave that insignificant certificate to those who wanted it and whose 2nd or
>1st phones were up for renewal.
>

Since I have a General Radiotelephone study guide (as published by Sams) on my bookshelf, I suspect that they did test for the General at one time or another (if they do know, I don't know. Brian Kantor probably knows (and may even still read this group) and could possibly tell us).

Of course, it could just be all my overheated imagination...

-- Dave Ritchie N4DJS
ritchie@hpdmd48.boi.hp.com

From 709026431562296678
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0c54d597d79c632
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 13:06:27 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!bloom-beacon!vaxeline!bootsie!olson
From: olson@bootsie.UUCP (Eric Olson)
Newsgroups: rec.ham-radio
Subject: Re: Codeless Tech License
Message-ID: <47@bootsie.UUCP>
Date: 20 Dec 90 21:06:27 GMT
References: <785.276F70E6@w8grt.fidonet.org>
<1990Dec19.220949.12753@cunixf.cc.columbia.edu>
Reply-To: olson@endor.harvard.edu (Eric Olson)
Organization: Lexington Software Design, Lexington, MA
Lines: 49

In recent article cy5@cunixa.cc.columbia.edu (Conway Yee [N2JWQ]) writes:
>I must disagree. IMHO, much of the opposition is due to the "because I
>went through this shit, you must go through this shit" syndrome. This
>phenomena is most clearly observed in the treatment of medical interns/

>residents but can be discerned here also.

This is also the justification for fraternity hazing, parental discipline tactics, etc. It's basically saying "its that way because its always been that way." It's a common societal tendancy.

Personally, after seeing that the no-code license is going to be available, I decided I should go ahead and do it (if only to get some use out of all the radio gear I seem to be accumulating :-). But after looking at about 5 books on Amateur Radio (including the ARRL Handbook and, my personal favorite so far, "How to be a Ham", by W. Edmund Hood W2FEZ), I've decided that most of the aspects of Ham Radio that I find "charming" (like climbing trees to put up huge dipoles, buying an archaic tranceiver at a flea market for $25 and getting it running, and DXing) are related to <30MHz operation. On the other hand, the aspects of Ham Radio that I find most "powerful" (like Packet Radio and ATV [fast-scan]) are available to the new codeless tech.

I mean, if I point at my HT and say to my friend, "Look at my Amateur Packet Radio Station!", I think I'll get chuckled at a bit. It doesn't look very impressive. On the other hand, I could always use the description I used for the original (classic) Macintosh: it only looks small when it's off!

Anyway, I've pretty much decided that 5WPM is trivial, and once I've got equipment tempting me to operate <30MHz I'll probably _upgrade_ to Novice (so to speak). I will probably never operate CW without the aid of a computer to en/decode; it just doesn't interest me. (OK, maybe occasionally trying to understand random morse I hear somewhere... but it's not something I would try to get _good_ at!)

Please note: Code/NoCode is a heated issue. Please don't flame me, and if you must, please do it on email.

Cheers!

-Eric

P.S. Is the salutation '73' from the median impedance of a dipole?

```
--
Eric K. Olson, Editor, Prepare()       NOTE: olson@bootsie.uucp will not work!
Lexington Software Design              Internet: olson@endor.harvard.edu
72A Lowell St., Lexington, MA 02173    Usenet:   harvard!endor!olson
(617) 863-9624                         Bitnet:   OLSON@HARVARD
```

```
From 3030317120928989294
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 13:15:38 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!oakhill!
```

nddsun1!darla!waters
From: waters@darla.tmc.edu (Strawberry Jammer)
Newsgroups: rec.ham-radio
Subject: Re: No-code license
Message-ID: <404@nddsun1.sps.mot.com>
Date: 20 Dec 90 21:15:38 GMT
References: <24904@ucsd.Edu> <1990Dec16.073847.6099@ux1.cso.uiuc.edu>
<619@chiton.ucsd.edu> <1990Dec19.010339.5704@NCoast.ORG>
Sender: root@nddsun1.sps.mot.com
Reply-To: waters%darla@dover.sps.mot.com (Strawberry Jammer)
Organization: Hacker's haven
Lines: 31

In article <1990Dec19.010339.5704@NCoast.ORG> allbery@ncoast.ORG.ORG (Brandon S. Allbery KB8JRR) writes:
{As quoted from <619@chiton.ucsd.edu> by rec@chiton.ucsd.edu (Richard Currier):
{+---------------
{| A message to all who want to be able to enjoy the hobby in the future:
{|
{| FIGHT LIKE HELL TO KEEP THE 30 METER BAND AND DIE IF NECESSARY TO KEEP IT CW
{| ONLY.
{|
{| A message to the more virulent no-coders out there:
{|
{| IF WE GIVE YOU ALL OF THE REST OF THE SPECTRUM FOR NOTHING...WILL YOU LEAVE US
{| ALONE ON 30 METERS?
{+---------------
{
{Gee, I thought I had an amateur radio license. I guess I accidentally got a
{CW radio license. I'd better write to the FCC and see if amateur radio still
{exists or not. :-(

Last time I looked at the regulations, CW was legal on ALL amateur
frequencies, and only has a few EXCLUSIVE CW freqs.

As a one time Canadian, I would point out that Canadian phone bands have
ALWAYS coexisted with US CW!

CW is even legal through repeaters even if there IS a speed limit :-)
(Got to check on that one BTW)

--
*Mike Waters   AA4MW/7 waters@dover.sps.mot.com *

** If guns are outlawed, how will conservatives win arguments? **

From -1690522993835930778
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 13:28:59 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!

hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: Re: No-code Technicians
Message-ID: <58130008@hpcupt1.cup.hp.com>
Date: 20 Dec 90 21:28:59 GMT
References: <25077@ucsd.Edu>
Organization: Hewlett Packard, Cupertino
Lines: 16

I always find it interesting that it is the long-term Technicians that propose the two level or classes license structure. I wonder want the real motivation is to propose the present Techs should be grandfathered to full HF priviledges. I feel it more they want the full HF priviledges and don't want to learn the code. Actually there is more to learning the code on upgrading. It also is learning the answers to more theroy questions. Otherwise there would be few if any General class license holders.

Most countries that have fewer classes than the US still have some minimal requirement for minimal priviledges, and a full priviledge class for a more difficult exam along with a no-code license. This is a more reasonable proposal.

Jim, WA6SDM
jholly@hpcupt1.cup.hp.com

From -5107064382602425420
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2e09e6eeb830269d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 13:30:48 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!
snorkelwacker.mit.edu!bloom-beacon!vaxeline!bootsie!olson
From: olson@bootsie.UUCP (Eric Olson)
Newsgroups: rec.ham-radio
Subject: Re: Additional TH-75 mods.
Message-ID: <48@bootsie.UUCP>
Date: 20 Dec 90 21:30:48 GMT
References: <4189@network.ucsd.edu> <18230051@hpfcdj.HP.COM>
<1990Dec19.193600.12429@cunixf.cc.columbia.edu>
Reply-To: olson@bootsie.UUCP (Eric Olson)
Organization: Lexington Software Design, Lexington, MA
Lines: 33

In recent article mig@cunixd.cc.columbia.edu (Meir [N2JPG]) writes:
>In article <18230051@hpfcdj.HP.COM> myers@hpfcdj.HP.COM (Bob Myers [KC0EW]) writes:
>>>II. I was disappointed Kenwood didn't have a trickle charge feature for
>>>the battery pack when you plug the radio into an external DC source.
>>>This is easily modified, and the result works well keeping a 50ma.
>>>charging current to the battery.

>>
>>This is probably not all that good an idea if you use the rig a lot on external
>>DC. A simple charging system like this has no provision for ending the charge
>>...
>
>I wouldn't add trickle charging to my HT.
>...
>Also, is it really that damaging to leave NiCds on TRICKLE charge, let's say
>6 ma for a 600 ma/H battery?

What are the implications of charging at less than the rated current?
I've been charging a 10V 450 mAh at 40ma overnight. The pack says to
charge at 45 mA for 14 hrs. The pack never seems to get above 9.6 V
(on the other hand, the radio receives fine. I haven't transmitted because
it's an as-yet unmodified commercially licensed radio, and I don't have
a license yet even if it _were_ modified!). The charger is just a 12VDC
supply an a resistor (and a block of wood and two screws!).

Thanks!

-Eric

```
--
Eric K. Olson, Editor, Prepare()       NOTE: olson@bootsie.uucp will not work!
Lexington Software Design              Internet: olson@endor.harvard.edu
72A Lowell St., Lexington, MA 02173    Usenet:   harvard!endor!olson
(617) 863-9624                         Bitnet:   OLSON@HARVARD
```

```
From 4138644180826676231
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 13:41:35 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!zaphod.mps.ohio-state.edu!swrinde!ucsd!
ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9012202141.AA11261@tilde>
Date: 20 Dec 90 21:41:35 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 58
```

<vodall@hpfcso.HP.COM (Bill Vodall)> says:

]> / hpfcso:rec.ham-radio / dube@cpdvax.csc.ti.com / 1:23 pm Dec 17, 1990 /
]> In <vodall@hpfcso.HP.COM (Bill Vodall)> Bill asks:
]>
]> (Re: Re: 10 meter rig recommendation?)
]>
]> >Is it illegal to modify a rig to RECEIVE CB?

]> >
]> >Is it really illegal to modify a rig to make it capable of transmitting on the
]> >CB band?   There's no question that it's against the rules to transmit with
]> >it. Is the mere ownership of a non-type accepted CB rig illegal?
]>
]> It is not illegal to MODIFY equipment.
]>
]> It is not illegal to BUILD equipment.
]>
]> It is not illegal to OWN a receiver.
]>
]> It is not illegal to OWN a transmitter.
]>
]> It is not illegal to TEAR UP equipment (presuming it's yours).
]>
    (some deleted)
]
]
]Probably the biggest incentive for my posting was the bold printed, red
]warning sign that came with my Uniden 2510 10meter rig. They threatened
]that if I ever modified my rig (added the jumper that enables CB) and returned
]it for repair, not only would they not repair the radio but they would also
]notify the FCC.
]
]This bothers me. It's assumed that since I can use the radio on CB, I'm using
]the radio as a transmitter and have done something wrong.

It bothers me too.   I can understand their not wanting to work on the radio, but I can't understand their threat to notify the FCC. And even so, what if they did?

It is very likely that they feel that they are being put under the gun if they send the radio to you with this mod. I wouldn't be surprised to find that they have had to certify in some way that they will not ship radios that are capable of operating in the CB band without being type-accepted for that service. This being the case, they could get in trouble by sending it back to you, even though they *did not* do the mod themselves. After all, how could they prove it was you, and not they, who did it.

Some people (and probably you) can do such neat work that it might look like it came from the factory that way! Might it not be that their "notification to the FCC" would take the form of letting them know that they received it that way, so as not to take the chance of losing their rights to sell the radio in the US?   Might it not just be a case of CYA, rather than a threat to "tell on you?"

Just musing....

73,
Dube   N5PDK

From -2820380719301846967

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9938e1cb9f2f65ea,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 13:41:49 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!usc!apple!sun-barr!newstop!exodus!oversteer.Eng.Sun.COM!wdh
From: wdh@oversteer.Eng.Sun.COM (Dennis Henderson)
Newsgroups: rec.ham-radio
Subject: rec.ham-radio.tech!
Keywords: just one new group
Message-ID: <4931@exodus.Eng.Sun.COM>
Date: 20 Dec 90 21:41:49 GMT
Sender: news@exodus.Eng.Sun.COM
Reply-To: wdh@oversteer.Eng.Sun.COM (Dennis Henderson)
Lines: 12

Let's keep it simple and adopt one new group:
rec.ham-radio.tech.

We don't need '.legal' unless someone brings up the pizza-autopatch
endless debate.

Either that our make a rule: one can only restate the same opinion once
per week on any given subject.

...I'm sick of the endless CW debate
..Dennis Henderson, N6TTW

From -6922369857858771292
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcbff86ae533bc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 14:07:52 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!oakhill!nddsun1!darla!waters
From: waters@darla.tmc.edu (Strawberry Jammer)
Newsgroups: rec.ham-radio
Subject: Re: New License
Message-ID: <407@nddsun1.sps.mot.com>
Date: 20 Dec 90 22:07:52 GMT
References: <C^K^&2$@rpi.edu> <kTXFu4w163w@phoenix.com>
Sender: root@nddsun1.sps.mot.com
Reply-To: waters%darla@dover.sps.mot.com (Strawberry Jammer)
Organization: Hacker's haven
Lines: 14

In article <kTXFu4w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
{
{luigi@aix02.aix.rpi.edu (John L Luigi Giasi) writes:
{
{> Where did you get this one? The information I was given indicated
{

{   I got it off THIS newsgroup.

A suspect source if EVER there was one :-)

--
       *Mike Waters   AA4MW/7 waters@dover.sps.mot.com *

 ** If guns are outlawed, how will conservatives win arguments? **

From -2951610763407880006
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,715f78a4e2c7dfd5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 14:09:54 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!think.com!snorkelwacker.mit.edu!bloom-beacon!vaxeline!bootsie!olson
From: olson@bootsie.UUCP (Eric Olson)
Newsgroups: rec.ham-radio
Subject: Re: Codeless question pool?
Message-ID: <49@bootsie.UUCP>
Date: 20 Dec 90 22:09:54 GMT
References: <9012182135.AA25642@hls.com> <692@wells.UUCP>
Reply-To: olson@endor.harvard.edu (Eric Olson)
Organization: Lexington Software Design, Lexington, MA
Lines: 34

I'm confused. Forgive me if this is a dumb question.

The question list I have has elements 2A,B,C,D,E,F,G,H,I; 3A,B,C,D,E,F,G,H,I; etc. I see references to Novice being element 2, and the codeless tech being 3A, or 3A and 3B.

What about 3C thru 3I?
My book lists these as pertaining to Wave Propagation, Amateur Radio Practice, Circuit Components, Practical Ciruits, and Signals and Emissions.

Am I looking at a really old list? The book's from 1986.
("How to be a Ham", W. Edmund Hood, W2FEZ, Tab Books).

Some of this material is covered in a cursory manner in element 2 (and I presume that the Novice exam consists of all the subelements A-I of element 2). Does the tech. exam really only require more knowledge of Rules (3A) and Operating Procedures (3B), no additional theory?

If so, I've been studying _way_ too much. :-)

P.S. My father has study guides and stuff from the 40s and 50s-- things have changed a lot! (He never became a Ham, but is considering it now...)

Thanks! (and sorry if this is too stupid)

-Eric

```
--
Eric K. Olson, Editor, Prepare()       NOTE: olson@bootsie.uucp will not work!
Lexington Software Design              Internet: olson@endor.harvard.edu
72A Lowell St., Lexington, MA 02173    Usenet:   harvard!endor!olson
(617) 863-9624                         Bitnet:   OLSON@HARVARD
```

```
From -867853756520953847
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3aa31aadb146ae,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 102cb0,d3aa31aadb146ae,start
X-Google-Attributes: gid102cb0,public
X-Google-Thread: 103802,d3aa31aadb146ae,start
X-Google-Attributes: gid103802,public
X-Google-Thread: 10d431,d3aa31aadb146ae,start
X-Google-Attributes: gid10d431,public
X-Google-ArrivalTime: 1990-12-20 14:14:12 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!ge-dab.ge.com!sulak
From: sulak@ge-dab.ge.com (John Sulak)
Newsgroups: rec.radio.noncomm,rec.music.misc,rec.ham-radio,rec.audio
Subject: The best FM antenna in the world!?!
Keywords: FM antenna R Smith Naim Chicago IL USA UK Luton Beds G23
Message-ID: <8435@ge-dab.ge.com>
Date: 20 Dec 90 22:14:12 GMT
Followup-To: rec.radio.noncomm
Organization: GE Simulation & Controls, Daytona Beach, FL
Lines: 109
Xref: gmdzi rec.radio.noncomm:216 rec.music.misc:38090 rec.ham-radio:18286
rec.audio:7595
```

REASON FOR POSTING HERE

For all readers that like to DX FM, for all that like to listen to that distant or weak non-commercial FM station, or listen to that commercial station with the rare format, this information is for you.

I have just found what I believe is the best FM antenna in the world! I am not at all associated with this manufacturer, or distributor and will not profit in any way from any effect on sales that this posting may cause. My motivation is that I have sought long and hard for an antenna like this and never found one. In fact, write-ups in various club publications mention the best FM antennas and never mention this one; I think few people know of it, and am soliciting opinions of readers with any experience with it. I do not own one yet, and would like to hear from someone who does.

PHYSICAL DESCRIPTION OF ANTENNA

Imagine the loop antenna found on the back of most television sets for UHF reception. Then imagine that a loop antenna is used for FM [in North America, 88-108 MHz] reception. The FM loop is much bigger due to wavelength, with the diameter of a standard FM dipole antenna. This loop adds in front to back ratio since signal from one direction of a circularly polarized station will be increased [horizontal plus vertical] while in signal from the other will be decreased [horizontal plus vertical, but 180 degrees out of phase]. This loop is the antenna feed.

In front of the loop are a long series of directors, similar to a standard fringe area VHF or FM antenna. The difference here is that they are not on a single plane as in most fringe or yagi antennas, they are on three planes: one is at the center of the loop, one at the top of the loop, and one at the bottom of the loop.

Behind the loop are reflectors, but these too are not in a single plane. In fact, they are similar to UHF corner reflector antennas, but with much larger physical dimensions.

In short, a side view of the antenna looks like this where 'x' signifies an antenna element perpendicular to the page [display?].

```
                         x
                          x
                           x
                            x
                             x
                              x
                               x
x x x x x x x x x x x x |       x
                        |        x
x x x x x x x x x x x x |         x
                        |        x
x x x x x x x x x x x x |       x
                               x
Directors             Loop    x  Reflectors
                             x
                            x
                           x
                          x
                         x
```

PERFORMANCE SPECIFICATIONS

Model	Galaxie "23"
Gain [in decibels]	19.2
Front to Back Ration [in decibels]	38.6
Acceptance Angle [in Degrees]	15.0
Windload [in Lbs at 100 mph]	72
Length [in inches]	134.
Height [in inches]	33

Center frequency [in MHz]   93.

[Note that a 102. center frequency is also available with just
slightly different specifications.]

AVAILABLE FROM

R. Smith Aerials
98 Ash Road
Luton, Beds.
England
Phone: LUTON 36561
Approx price in UK pounds [inc. 15% VAT] is 120. pounds for the 93
MHz model and 130 pounds for the 102 MHz model.

NORTH AMERICAN DISTRIBUTOR

Naim Audio North America Inc.
1748 North Sedgewick Street
Chicago, IL 60614
USA
Phone: 312-944-0217

Approx US price in USD: 450. [Note is might be cheaper to import
directly; postage will be steep, but a 15% VAT discount will help
reduce the 130 pound price. Naim's price is probably for the 102 MHz
version, rather than the 93 MHz version.]

```
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
^ "Manifest Destiny" allowed the United States to expand westward,    ^
^ through Mid-America and to the western edge of North America.       ^
^ "War on Drugs" will allow the United States to expand southward,    ^
^ through Central America, to the southern tip of South America.      ^
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Standard Disclaimer: These may not be my opinions, my employer's opinions,
a devil's advocate's opinions, or anyone else's opinions. Are they opinions?
-----------------------------------------------------------------------
```

From -1695780208960495019
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f188aa81eabdffb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 14:24:08 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!maverick.ksu.ksu.edu!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!oakhill!nddsun1!darla!waters
From: waters@darla.tmc.edu (Strawberry Jammer)
Newsgroups: rec.ham-radio
Subject: Re: Chebychev Filters
Message-ID: <408@nddsun1.sps.mot.com>
Date: 20 Dec 90 22:24:08 GMT
References: <41662@ut-emx.uucp>
Sender: root@nddsun1.sps.mot.com

Reply-To: waters%darla@dover.sps.mot.com (Strawberry Jammer)
Organization: Hacker's haven
Lines: 66

In article <41662@ut-emx.uucp> kipper@ccwf.cc.utexas.edu (Kip Ingram) writes:

Gad! TWO technical questions in a SINGLE day! Must be the new no-code license :-)

{Hi. A quick question about Chebychev low pass filters. The ARRL Handbook
{says that the passband SWR depends on the passband ripple (bigger ripple,
{bigger SWR). My intuition tells me that that would only become a problem
{if you actually used the filter all over the passband; SOMEWHERE in the
{passband the high SWR would occur. If I'm running at a single, crystal
{defined frequency, can't I tune my antenna for good SWR regardless of my
{filter?

You would probably get better results tuning your filter slightly, but in principle you are correct. The nature of the so called "ripple" though is to introduce a (hopefully) small reflected power even in the passband. This is probably at a theoretical zero at certain discrete frequencies (no modulation either!), but for ham radio that really isn't a concern.

Fixed frequency services such as broadcast and commercial fixed communications though often use some very exotic tuning techniques to get better efficiency/lower spurious radiation.

{Also, a more theoretical question on filters. A low pass filter prevents
{high frequency energy from reaching the load. However, the filter is
{comprised only of inductors and capacitors, so it can't dissipate that
{energy. Furthermore, the filter components can't store it either, since
{that would result in a long term uptrend in stored energy which would
{violate the assumption that everything is steady state. The only place
{left for the energy to go is back to the source. So apparently a filter
{really functions as a reflector in its stopband, sending energy back to
{the source rather than allowing it to reach the load.

Neglecting losses in the filter etc., that is true.

{Of course, this means that the source must absorb all of the stopband
{energy. I'm building a QRP transmitter that filters a square wave to
{get a suitably pure sine wave. That's no problem. But if I add a
{power amp stage to get more power later, I think this means I should
{amplify the sine wave rather than the square wave. Because if I
{amplify the square wave and then filter it, the amplifier output stage will
{have to absorb the now amplified harmonic energy. Right?

If you simply use a nonresonant low pass filter that is true. If you use some form of resonance you can get a "flywheel" effect which is the principle of class B, C and D RF amplifiers - the conducting element (dare I say vacuum tube?) only conducts over a small portion of the RF cycle, depending on the tuning of the output "tank" circuit to restore a good sine wave.

This is one reason why the broadbanded RF amplifiers are generally designed
to be linear. (Meaning DC to 1Ghz BTW, as opposed to all of 2M).

In practice this is mostly a matter of how close you run things to burnout.
Harmonics are just about always a lower amlitude than the fundamental, so
absorbing them in the power amplifier simply increases its dissipation
slightly.

{A Tech is a Tech is a Tech; welcome, all who will operate with common
{sense and consideration of others!

No matter WHAT their class of license!
--
*Mike Waters   AA4MW/7 waters@dover.sps.mot.com *

** If guns are outlawed, how will conservatives win arguments? **

From 5782461478016455396
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7b579cb5c67f472c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 14:27:03 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!att!linac!pacific.mps.ohio-state.edu!
zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!oakhill!nddsun1!darla!waters
From: waters@darla.tmc.edu (Strawberry Jammer)
Newsgroups: rec.ham-radio
Subject: Re: new technician class
Message-ID: <409@nddsun1.sps.mot.com>
Date: 20 Dec 90 22:27:03 GMT
References: <787.276F70F5@w8grt.fidonet.org> <37097@cup.portal.com>
Sender: root@nddsun1.sps.mot.com
Reply-To: waters%darla@dover.sps.mot.com (Strawberry Jammer)
Organization: Hacker's haven
Lines: 18

In article <37097@cup.portal.com> Jeepster@cup.portal.com (John L Ferguson)
writes:
{In article <116@canada.sbi.com> jerrys@canada.sbi.com (Jerry Simonowits)
{writes:
{ >]And, if we are supposed to be self policing, and I hear a technician
{ > talking
{ >]on 10 meters, how do I know if he is legal or not ???
{
{My call - KB0HBX - is a general call. How does someone not mistake it
{for a novice call? (actually, I'm getting a new one since I made
{advanced - my own incentive as it were).

And how many people know what class "AA4MW" is? You would be suprised at
the number of people who have gotten it wrong!

--

*Mike Waters   AA4MW/7 waters@dover.sps.mot.com *

** If guns are outlawed, how will conservatives win arguments? **

From 3543537858124851710
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,18f22b088dc3523e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 14:34:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: Re: Amateur Radio Callsign on 11M; was: 10 meter rig recommendation?
Message-ID: <18230053@hpfcdj.HP.COM>
Date: 20 Dec 90 22:34:38 GMT
References: <1990Dec5.212046.11491@midway.uchicago.edu>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 13

>Ron
>NW0U
>(Fastest CW operator aboard ship was me- a $!!&# OFFICER :-)

Gee, Ron, I've heard of a lot of different officers - OOD, morale
officer, medical officer, engineering, etc......what's a
$!!&# officer in charge of? :-)

```
Bob Myers  KC0EW     | "Man will occasionally stumble over the truth, but
myers@fc.hp.com      |  most of the time he will pick himself up and continue."
                     |                        - Winston Churchill
```

From -6251758131090231172
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 14:37:33 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!cs.utexas.edu!oakhill!nddsun1!
darla!waters
From: waters@darla.tmc.edu (Strawberry Jammer)
Newsgroups: rec.ham-radio
Subject: Re: Class D AM Phone (was Re: morse code)
Message-ID: <410@nddsun1.sps.mot.com>
Date: 20 Dec 90 22:37:33 GMT
References: <751.2768BAC4@w8grt.fidonet.org> <7880389@hpfcdc.HP.COM>
Sender: root@nddsun1.sps.mot.com
Reply-To: waters%darla@dover.sps.mot.com (Strawberry Jammer)
Organization: Hacker's haven
Lines: 16

Posted: Thu Dec 20 16:37:33 1990

In article <7880389@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
{Re: Urban Legend - CBer uses CW when mic is fubar
{
{>What are the odds of a microphone element failing while the push-to-talk
{>button stays in working order?
{
{By using a piece(s) of wire, you wouldn't even need the PTT.

So long as you still have a battery, you can build a "spark" CW only
transmitter! Try THAT on phone! Marconi got accross the Atlantic with spark
BTW.

--
*Mike Waters   AA4MW/7 waters@dover.sps.mot.com *

** If guns are outlawed, how will conservatives win arguments? **

From -1984363868695761042
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5ac17cf9e887b6e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 14:47:24 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!qip!rusty
From: rusty@qip.UUCP (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: reorganize - do it all now [:-)]
Keywords: :-)
Message-ID: <5886@qip.UUCP>
Date: 20 Dec 90 22:47:24 GMT
References: <1990Dec12.221550.13435@ux1.cso.uiuc.edu>
<1990Dec17.175948.9441@dcdwest.uucp>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 39

In article <1990Dec17.175948.9441@dcdwest.uucp> plb@dcdwest.uucp (Phil Blais)
writes:
>In article <1990Dec12.221550.13435@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil
Howard KA9WGN) writes:
>>If we are going to make changes, we better do it all now. So I have
>>prepared a list of possible newsgroups. Please add to it if you like
>>and the name "amateur" can be changed to "ham" if you really want.
>>
>>:-)   [enjoy]
>>
>>rec.radio.amateur
>>rec.radio.amateur.alt
...really WONDERFUL list!---

Phil! I'm CRUSHED!!!   How could you? You forgot two of the absolutely

MOST important groups ever:

rec.radio.un-net (or is that rec.radio.net.un? rec.radio.un.net?
rec.radio.nets.saturday.unnet? Yeah, thats the ticket!)
rec.radio.callsign.project or rec.radio.projects.callsign.database
or maybe rec.radio.databases.callsign-project

However could you forget this? I'm really hurt!

(come on, you REALLY need this? ok:

:-)   :-)   :-)   :-)   :-)   :-)   :-)   :-)

And, no, I'm not really hurt at all, I had too much fun laughing
to be hurt.
--
+++ 73 de N7IKQ +++
Rusty Carruth   {ames!ncar!noao!asuvax,mcdphx}!anasaz!rusty
P.O. Box 27001, Tempe, AZ 85285   anasaz!rusty@asuvax.eas.asu.edu
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz
The Ham Callsign Project, part 3 (the 1990 version) - its HERE! Email for info

From 8764868462935826927
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,608fae1f97b833f6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 15:00:50 PST
Path: gmdzi!unido!mcsun!uunet!samsung!think.com!sdd.hp.com!hplabs!hpfcso!hplvec!bfc
From: bfc@hplvec.LVLD.HP.COM (Bryan Carpenter)
Newsgroups: rec.ham-radio
Subject: Code/No-code Tech Call Formats
Message-ID: <2190005@hplvec.LVLD.HP.COM>
Date: 20 Dec 90 23:00:50 GMT
Organization: Hewlett-Packard Co., Loveland, CO
Lines: 5

One question about the new no-code tech license: I thought I read somewhere
that no-code techs would get 2x3 calls. Will a person with element 1A added
still be able to get a 1x3 call? My wife is interested in getting her license,
and I am wondering if I should try to speed up the process in order to get
her an old-style tech license (and therefore a shorter call) before Feb. 15.

From -3686195690583889304
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,715f78a4e2c7dfd5

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 15:46:35 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: Codeless question pool?
Message-ID: <701@ssc.UUCP>
Date: 20 Dec 90 23:46:35 GMT
References: <9012182135.AA25642@hls.com>
Organization: SSC, Inc., Seattle, WA
Lines: 10

In article <9012182135.AA25642@hls.com>, trop@hls.com (Troy T. Pummill) writes:
>
> I probably missed this answer, but here goes anyway.  Are the 55 questions
> for the codeless tech going to be based on the current Novice/Tech
> question pool????

Another related question.  Will a certificate for one or more of the
current written tests be acceptable for the codeless Tech?

markz@ssc.uucp


From -4359818900390559592
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,54131078de5c12d9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 16:34:52 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!cs.umn.edu!ub.d.umn.edu!uwvax!zazen!
uakari.primate.wisc.edu!ames!haven!decuac!shlump.nac.dec.com!ggone.enet.dec.com!
pierson
From: pierson@ggone.enet.dec.com (Dave Pierson)
Newsgroups: rec.ham-radio
Subject: Re: W.W.II
Summary: NOT ME
Keywords: correction,clarification
Message-ID: <18419@shlump.nac.dec.com>
Date: 21 Dec 90 00:34:52 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 59

In article <779.276E7E75@w8grt.fidonet.org>, jim.grubs@w8grt.fidonet.org
(Jim Grubs) writes...
>
> > From: saaf@joker.optics.rochester.edu (Lennart Saaf)
> > Date: 17 Dec 90 15:04:21 GMT
> > Organization: The Institute of Optics, University of Rochester
> > Message-ID: <SAAF.90Dec17100421@joker.optics.rochester.edu>
> > Newsgroups: rec.ham-radio
> >
> > In article <18215@shlump.nac.dec.com> pierson@ggone.enet.dec.com (Dave
```

> > Pierson) writes:
> >
> > The advertising section in the back had a lot of war-effort rah-rah,
> > ususally depicting a pennant with an "E", referred to as the Army/Navy
> > E. I assume that was a citation for contributing to the war effeort,
> > right?
>
>It was an award for "Excellence" in contributing to the war-effort.
>
>"Rah-rah"??? Do I detect a little cynicism here? As a kid, I collected
>milkweed pods for fliers' life jackets, collected rubber and scrap metal, and
>bought War bonds and savings stamps.
>
>I also watched my church's service flag stars turn from blue to gold one by
>one and wondering if the 3rd star in the fourth row (my brother's) was
>someday going to be one of them. My brother's star stayed blue, but 8 out of
>34 didn't.
>
>So, my friend, be careful how you speak of a time when people still cared
>about more than their own amusement. "Rah-rah", indeed. [:-(

hmmmm attribution on that is confusing.
Accidentally i will assume. I made no
comment in my posting (line filler mode kicks in...)
about the "E" flags, though i recall them,
so it could easily have been the same
edition. The "E" was originally a US Navy
Award, much coveted to the most excellent
(or was it efficient) ship in fleet/squadron
or formation. It was prewar. During WWII
it was used with the vendors to symbolize the
same thing, excellnec above and beyond the
expected. Eventually, during the war, it
became the "joint army/navy E".

(My apologies, sort of, for the NET.BANDWIDTH
and particularly, the group.bandwidth usage.
BUT. I happen, in fact, to share Jim's views
on those who served in the military in WWII,
and at any time, and the values of patriotism.
I hold high respect for those who served, and
will not allow any misunderstanding on that.)
thanks
dave pierson |the facts, as accurately as i can manage,
Digital Equipment Corporation |the opinions, my own.
600 Nickerson Rd
Marlboro, Mass
01752   pierson@cimnet.enet.dec.com

"He has read everything, and, to his credit, written nothing." A J Raffles

From 8069162347490783649
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1164f8,67659be7e87c4809,start
X-Google-Attributes: gid1164f8,public
X-Google-Thread: 109c0d,67659be7e87c4809,start
X-Google-Attributes: gid109c0d,public
X-Google-ArrivalTime: 1990-12-20 16:44:49 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Message-ID: <702@ssc.UUCP>
Date: 21 Dec 90 00:44:49 GMT
References: <18314@shlump.nac.dec.com>
Organization: SSC, Inc., Seattle, WA
Lines: 14

In article <18314@shlump.nac.dec.com>, magid@esis.enet.dec.com (Joel Magid...)
writes:
>
> In article <4471@lib.tmc.edu>, jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
writes...
> >Those people will rush to get no-code licenses. That's what frightens
> >me about no-code, and _nobody_ has yet shown me that that fear is unfounded.
> >
>    Also remember that
>    once someone earns something they have a tendancy to value it.

CB'ers will also lose something if they shift to the ham bands.
Anonymity.  They can't hide behind some stupid "handle", and
they'll be in the database.

markz@ssc.uucp


From -3806189189969787222
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 16:51:34 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!hpspkla!
dubner
From: dubner@hpspkla.spk.hp.com (Joe Dubner)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <4630022@hpspkla.spk.hp.com>
Date: 21 Dec 90 00:51:34 GMT
References: <9012192258.AA00358@tilde>
Organization: Hewlett Packard Company, Spokane, Wa.
Lines: 5

paulf@shasta.Stanford.EDU writes:
```

> Quick poll: How many people would not object to dropping the theory exams?

I would not object to dropping the whole topic. Boring ... :-(

From -8351614299757123492
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,822014fa21599fe2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 16:58:36 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: Does CW build character?
Message-ID: <1990Dec21.005836.9287@athena.cs.uga.edu>
Date: 21 Dec 90 00:58:36 GMT
References: <58130006@hpcupt1.cup.hp.com> <630@chiton.ucsd.edu> <YETSKO.90Dec20141847@interlan.interlan.com>
Organization: University of Georgia, Athens
Lines: 4

I've noticed that slow-scan TV operators are particularly patient and
courteous. Maybe we should require everyone to operate slow-scan TV.

(Said with tongue firmly in cheek!)

From -3366518950375611015
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 17:03:39 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!zaphod.mps.ohio-state.edu!wuarchive!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: License needed to modify CB radio???
Message-ID: <1990Dec21.010339.9390@athena.cs.uga.edu>
Date: 21 Dec 90 01:03:39 GMT
References: <9012202036.AA09127@tilde>
Organization: University of Georgia, Athens
Lines: 9

Somebody has misunderstood somebody.

It is legal to modify any kind of equipment for use in the ham bands,
and to build ham gear from scratch.

It is *not* legal to build CB equipment from scratch or to make CB
equipment by modifying equipment intended for other radio services.

In CB, you can only use equipment that is FCC type-approved for CB.

```
From 3728519289202505584
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9938e1cb9f2f65ea
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 19:00:06 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!unmvax!bbx!yenta!dt
From: dt@yenta.alb.nm.us (David B. Thomas)
Newsgroups: rec.ham-radio
Subject: Re: rec.ham-radio.tech!
Keywords: just one new group
Message-ID: <1990Dec21.030006.21801@yenta.alb.nm.us>
Date: 21 Dec 90 03:00:06 GMT
References: <4931@exodus.Eng.Sun.COM>
Organization: yenta unix pc, rio rancho, nm
Lines: 21

wdh@oversteer.Eng.Sun.COM (Dennis Henderson) writes:

>Let's keep it simple and adopt one new group:
>rec.ham-radio.tech.

I'm with you!  I was just flipping through the articles in here and I was
struck by the amazing lack of technical discussions.  I'm interested in
radio, not codes, licenses and laws.

Surely, the topics currently active in this group are important to amateurs
everywhere, so I think they're appropriate.  I just don't happen to be
interested... so rec.ham-radio.tech would be nice.  I'd hang out there.

Actually, though, sci.electronics might do just fine.

                        little david
                       soldering up a storm
--
Twice five syllables...
Plus seven can't say much but
That's Haiku for you.


From 8147965459577150970
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b069dfd2cee136a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 19:03:31 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Class D AM Phone (was Re: morse code)
Message-ID: <1990Dec20.220331@envy.bellcore.com>
Date: 21 Dec 90 03:03:31 GMT
References: <1990Dec14.145827.14942@lonex.radc.af.mil> <7880390@hpfcdc.HP.COM>
```

Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 78

In article <7880390@hpfcdc.HP.COM>, perry@hpfcdc.HP.COM (Perry Scott) writes:
|> I must be missing something here, Paul. Maybe you need to explain the
|> difference between "(en)coding" vs "modulation".

I can explain this. Encoding is the representation of symbols (e.g., the letters of the Latin alphabet that we use to form words in the English language) in a different form that is more amenable to transmission over a (usually binary) communications channel. Encoding examples include ASCII, Baudot, EBCDIC and Morse Code.

The term "coding" can also apply to the reversible transformation of groups of bits for the purposes of improving on the raw error characteristics of the channel. In this case you have several distinct coding/decoding operations in series, e.g., the coding of keystrokes into ASCII and then the coding of ASCII-encoded characters into a forward-error-corrected code (Golay, Reed-Solomon, etc). (Some people also use "coding" to refer to the reversible transformation of groups of bits for the purposes of obscuring the meaning of the message to unauthorized interceptors, but this is more properly called "encryption").

Modulation is the process of varying the characteristics of a carrier signal to carry information over a channel. The carrier signal may be audio (e.g., on a telephone line), RF (for radio transmission) or light (for optical links). The carrier itself may or may not be sent as well.

Even in a CW station, the coding and modulation steps are distinct. If it's a manual station, the operator does the coding (and decoding) while the transmitter and receiver do the modulation and demodulation.

|> I always thought a CW
|> transmitter was either ON or OFF, which also sounds distinctly digital.

Yes, a CW transmitter is a digital modulator.

|> I also observe that most digital demodulators (which are usually FM in
|> one form or another) employ analog technniques (such as slope detectors)
|> in the early stage of the decoding process. Like I've said, I don't
|> understand your distinction between decoding and demodulation.

All modems are hybrid analog/digital devices; that's their function. Remember the origins of the term: MOdulator/DEModulator.

|> As for CW being an AM mode, that's a bit of a stretch. While CW takes
|> on two amplitudes there is no information in the amplitude itself.
|> Also, the sidebands are zero-width.

CW as hams know it *is* most definitely an AM mode. The modulating waveform is binary digital, slow speed and almost "square" (i.e., its rise and fall times are short with respect to the on/off durations). The modulation factor is 100%. *ALL* of the properties of more conventional AM systems are present in an on-off keyed CW system, including the production of sidebands. It is *impossible* to send information over a channel of zero bandwidth. Remember the Shannon formula:

$$C = B \log_2(1+ S/N)$$

where C is the channel capacity in bits/sec and B is the channel bandwidth in Hz. If B = 0, then C = 0, no matter how large the S/N ratio is.

If you look at it in the time domain, there certainly is information in the amplitude of a CW signal - there are two possible values, "on" and "off". If you look a typical CW signal in the frequency domain, you will see that, as with AM phone, quite a bit of transmitter power goes into the (informationless) carrier, and relatively little energy lies in the (information-bearing) sidebands.

Suppressed-carrier AM schemes such as BPSK (which is nothing more than suppressed carrier DSB-AM with a digital modulating signal) is much more efficient since all of the transmitter power goes into the sidebands. Unfortunately, I don't know of anyone who can copy BPSK signals by ear, although they are readily copyable with simple hardware.

Phil

From -3681298866982814342
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c1b5c461124ba58
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,fb207fcc3a2d931b
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-12-20 19:17:35 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!mit-eddie!rutgers!cbmvax!heimat!dan
From: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: New Sony Logging/Monitoring tape recorder?
Message-ID: <236@heimat.UUCP>
Date: 21 Dec 90 03:17:35 GMT
References: <1990Dec17.072432.45074@cc.usu.edu> <1861@atlas.tegra.COM>
Reply-To: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Organization: Sneakers Computing, West Lawn, PA
Lines: 28
Xref: gmdzi rec.ham-radio:18315 rec.radio.shortwave:3194

In article <1861@atlas.tegra.COM> vail@tegra.COM (Johnathan Vail) writes:
>

>I saw an ad for a tape recorder from sony that would record and later
>display the time and date of the recording. It was listed for about
>$100 and appeared to be about the size of a walkman, with a LCD
>display.
>

I have no information on this recorder, but I do use a home brew set up that gives me a similar result.

Use a -stereo- cassette deck and pump WWV in one channel and the other audio channel can be used to record what you want (need). This does require 2 radios, but that 2nd radio can be a cheap one since it only sits on a time station.

This works not only for those times when your going away, but makes reception reports a lot easier ;-)

Now if I could only find a cheap dual component cassette deck.....

```
--
     |\/\/\/|   +---------------------+--------------------------+      _____
     |      |   |   US Mail Address   |      E-Mail Address      |     /     \
     | (o)(o)   +---------------------+--------------------------+    |     \/\/
     (     _)   | Sneakers Computing  | dan%heimat@commodore.com |    (o)(o)  |
      | ,___|   | 2455 McKinley Ave.  |          -or-            |   (_---.   )
      |   /     | West Lawn, PA 19609 | uunet!cbmvax!heimat!dan  |    |___.| |
     /    \     +---------------------+--------------------------+     \__/  |
    /______\                                                           /_____\
```

From -6691831346477092133
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fb94583aa45b13d9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,fb94583aa45b13d9,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f5cc0,fb94583aa45b13d9,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-12-20 19:19:07 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!rpi!dali.cs.montana.edu!ogicse!mintaka!nuhub!nic!bunny!dhp1
From: dhp1@GTE.COM (Dave Pascoe)
Newsgroups: rec.ham-radio,rec.radio.shortwave,sci.space
Subject: Program to analyze satellite footprints?
Keywords: satellite, footprint, antenna patterns, etc.
Message-ID: <10278@bunny.GTE.COM>
Date: 21 Dec 90 03:19:07 GMT
Followup-To: poster
Organization: GTE Laboratories, Inc., Waltham, MA
Lines: 21
Xref: gmdzi rec.ham-radio:18310 rec.radio.shortwave:3193 sci.space:18524

I'm in search of a software package that will give satellite footprint information (i.e., maps) given information about the satellite antenna (e.g., boresight, pattern, gain, etc.) system. If the program can

provide satellite ground tracks that would be a plus, though I already
have something that will do that.

I'm not necessarily looking for something that will run on a PC....I can
put software on most any platform (Sun, VAX, others) so I'm leaving that
open right now.

The application is not ham radio per se, and yes, I am aware of the ham
(i.e., AMSAT, etc.) satellite tracking programs.

Please e-mail any replies and I will post a summary if anyone shows
interest in this.

73 es thanks in advance,

```
--
Dave Pascoe      |  Internet: dhp1@gte.com
                 |
KM3T             |  UUCP: ...!{harvard}!gte.com!dhp1
```

From 2676040159375521258
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,354f649b1d996df,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 19:23:25 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!think.com!mintaka!nuhub!nic!bunny!dhp1
From: dhp1@GTE.COM (Dave Pascoe)
Newsgroups: rec.ham-radio
Subject: Licensing for DL-land?
Message-ID: <10279@bunny.GTE.COM>
Date: 21 Dec 90 03:23:25 GMT
Organization: GTE Laboratories, Inc., Waltham, MA
Lines: 8

How long does it take to get reciprocol operating privs in West Germany?
Please e-mail replies.

73

```
--
Dave Pascoe      |  Internet: dhp1@gte.com
                 |
KM3T             |  UUCP: ...!{harvard}!gte.com!dhp1
```

From 7261595257399509078
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 19:23:53 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!wuarchive!mit-eddie!rutgers!cbmvax!heimat!dan
From: dan@heimat.UUCP (Dan 'Sneakers' Schein)

Newsgroups: rec.ham-radio
Subject: Re: No-code license
Message-ID: <237@heimat.UUCP>
Date: 21 Dec 90 03:23:53 GMT
References: <9012150044.AA01342@tilde> <24904@ucsd.Edu>
<4ea8a25f.20b6d@apollo.HP.COM> <205@platypus.uofs.edu>
Reply-To: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Organization: Sneakers Computing, West Lawn, PA
Lines: 23

In article <205@platypus.uofs.edu> bill@platypus.uofs.edu (Bill Gunshannon)
writes:
>In article <4ea8a25f.20b6d@apollo.HP.COM>, hays@apollo.HP.COM (John Hays) writes:
>> I have felt that we should have automatic packet running at the low end of 10
>> Meters --- kinda discouraging to CB'ers and others to hear a constant BRAP
>> BRAP BRAP.
>
>I personally think the FCC should allow automatic packet from 26.5 to 28.0
>Mhz. It should give the computer hobbyist (both ham and non-ham) somewhere
>to run that USENET feed or FIDONET link. It should clear up the whole CB
>business in no time.
>
  Well since the CB band doesn't require a license and it sure seems like the
  FCC has lost all control over it, why not start tommorow? And no, there is
  no smiley after the above.
--
```
     |\/\/\/|   +---------------------+--------------------------+      _____
     |      |   |   US Mail Address   |      E-Mail Address      |     /     \
     | (o)(o)   +---------------------+--------------------------+    |     \/\/
     (      _)  | Sneakers Computing  | dan%heimat@commodore.com |    (o)(o)  |
      | ,___|   | 2455 McKinley Ave.  |           -or-           |   (_---.   )
      |   /     | West Lawn, PA 19609 | uunet!cbmvax!heimat!dan  |    |___.| |
     /    \     +---------------------+--------------------------+     \__/  |
    /______\                                                           /_____\
```

From -1462730990402242792
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea5c6ad8072235f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 20:16:35 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!
hpcc05!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: No-code: Cease Fire
Message-ID: <27080045@col.hp.com>
Date: 21 Dec 90 04:16:35 GMT
Organization: HP Colorado Springs Division
Lines: 46

The FCC has acted and depending on who you believe, the bands will
soon be overrun with undisciplined axe murderers or the average

IQ of the radio amateur population will double overnight as the pent-up hoards of technical geniuses swarm into the amateur ranks.

Why don't we wait and see? In the mean time, let's see if we can't agree to a cease-fire here on the net.

Here are the proposed terms of the cease fire:

1. No-code proponents promise to refrain from using the term "old phart" when referring to CW enthusiests.

2. In return, proponents of Morse code will agree that given infinite dollars, digital signal processing system can approach the performance of a trained CW operator. The only exception is emergency conditions on a deserted island where only a single transistor, a battery and a 20 ft length of wire is available.

3. Both sides agree to welcome all newcomers to the hobby whether they enter with or without code credentials.

4. Both sides agree to stop blaming the mess on [insert whatever band you think is most messed up] on the existence or lack of any licensing requirement.

5. Both sides agree to spend more time enjoying the hobby of amateur radio and less time flaming on the net.

6. Both sides agree that neither side has a monopoly on their ability to fullfill the stated FCC goals for the amateur radio service: : public service, advancing the radio art, advancing communication and technical skills, expanding the reservoir of trained operators/technicians/electronics experts and enhancing international goodwill.

```
--------------------------------------------------------------------
Bob Witte              HP Colorado Springs Division
bobw@col.hp.com        P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO  80901
Radio: KB0CY
"I absolutely hate people who are intolerant."
--------------------------------------------------------------------
```

P.S.   :=)

```
From 7427251821706939207
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e8ed696e23b801d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 21:35:09 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!apple!bionet!ames!eos!shelby!
morrow.stanford.edu!pangea.Stanford.EDU!mac
```

From: mac@pangea.Stanford.EDU (Mike McWilliams)
Newsgroups: rec.ham-radio
Subject: Renewal of expired General Class ticket
Message-ID: <1990Dec21.053509.19993@morrow.stanford.edu>
Date: 21 Dec 90 05:35:09 GMT
Sender: news@morrow.stanford.edu (News Service)
Organization: Stanford Univ. Earth Sciences
Lines: 11

Please forgive this elementary question folks; its been a long time. I held a General Class ticket from about 1963 to 1975 when I left the US for Australia.

Simple question: Can I get the license re-instated simply, or must I take the written and code tests again?

Reply by e-mail; thanks.

Mike McWilliams
Stanford University

From 3152647295441197547
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f3ea0dcf41daecfb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-20 21:37:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!ucsd!ucbvax!UMAIL.UMD.EDU!ps67
From: ps67@UMAIL.UMD.EDU ("Paul W. SCHLECK")
Newsgroups: rec.ham-radio
Subject: More Comments in the CW Debate
Message-ID: <9012210540.AA10635@umail.UMD.EDU>
Date: 21 Dec 90 05:37:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Lines: 39

Well, as long as its 5 to 1 against your position, I may as well add mine. I tend to feel that ham radio already has several self filtering and self policing mechanisms that keep it pretty much in line. Most individuals who go after ham licenses are going to be technically oriented, or at least have a mind tuned to understanding logical left-brained concepts. While it may be true that you could have absorbed the tech material in one sitting (I did it in one evening :) there are many people out there who cannot, either by ignorance or sheer stupidity. Those are the people that get filtered out.

Amateur radio also has a proud tradition of Elmering and self-policing. Implicit in hamming is the statement "this is serious radio, behave accordingly." Let's face it, you didn't REALLY learn how to become a ham until after considerable "on the job training" and guidance by other hams. I think this far overshadows any influence a "sincerity" test would have. The sincerity test is when a new licensee gets on the air and "pays his dues" by operating and honing his skills.

CB is not a very good example. Since there were NO filters, the service was not respected. If you want people to respect something, they need to work for it. Also, there was no clearcut purpose to the service, it was overloaded by unscrupulous equipment manufacturers, there was no guidance or elmering by other CBers, and the FCC saw it as a way of allocating an unwanted band and filling the Treasury coffer with mail-in licenses.

I am in favor of no-code above 30 Mhz, not because it would increase the number of hams, but because there is no compelling need to know code for VHF operation. Other Western countries have successfully implemented such a license, why do we remain behind the times?

A written exam given by an HONEST VE system (which it is, mostly) would encourage respect for the hobby. The tradition of self-training and policing would make these new licencees model hams. I think it would be a severe violation of the amateur fraternity to engage in childish stunts like appending your call with a /C. I will certainly welcome these new licencees to the hobby enthusiastically.

Just my opinion....

Paul W. Schleck, KD3FU

From -6041115481364991531
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-21 00:59:39 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Class D AM Phone (was Re: morse code)
Message-ID: <1695@ke4zv.UUCP>
Date: 21 Dec 90 08:59:39 GMT
References: <751.2768BAC4@w8grt.fidonet.org> <7880389@hpfcdc.HP.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 18

In article <7880389@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>Re: Urban Legend - CBer uses CW when mic is fubar
>
>>What are the odds of a microphone element failing while the push-to-talk
>>button stays in working order?
>
>By using a piece(s) of wire, you wouldn't even need the PTT.
>
>Perry "chewing gum and baling wire"
>KF0CA

1. Disconnect external speaker.
2. Connect wires (twist) where mic element connected.

2. Talk into speaker.

It's worked for me. Sounds a little boomy, but what the hey.

Gary KE4ZV

From 1686442078996129752
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b069dfd2cee136a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-21 01:58:44 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Information encoding (was Re: Class D AM Phone (was Re: morse code))
Message-ID: <1696@ke4zv.UUCP>
Date: 21 Dec 90 09:58:44 GMT
References: <1990Dec14.145827.14942@lonex.radc.af.mil> <7880390@hpfcdc.HP.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 57

In article <7880390@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>>Branding CW as a "digital mode" is sort of like calling a bicycle an
>>automobile because it has wheels. While the symbols take on discrete levels,
>>both the encoding process and the decoding process are very analog in
>>nature.
>
>>>If you are branding morse as obsolete because of the modulation techniques
>>>then HF packet, AMTOR, and RTTY are also obsolete.
>>
>>The problem here is that you're confusing coding with modulation. HF packet
>>et al are all FM in nature, which is somewhat superior to AM modes like CW
>>when it comes to decoding (orthogonality).
>>
>>-=Paul Flaherty, N9FZX
>
>
>I must be missing something here, Paul. Maybe you need to explain the
>difference between "(en)coding" vs "modulation". I know that I could
>implement a CW demodulator (or decoder ?) as a state machine that
>follows a b-tree. Sounds pretty digital to me. I always thought a CW
>transmitter was either ON or OFF, which also sounds distinctly digital.

Encoding: The translation of intelligence into a form suitable to be
          transmited. Here the encoding of words formed from the English
          Alphabet into Morse Code bi-state timings.

Modulation: The method of impressing an encoding onto the medium. Here
            the use of variable length on-off keying, a form of AM pulse
            modulation. Morse could be sent using FSK modulation with the
            marks corresponding to an "on" state and spaces corresponding to

the "off" state, it would work better under selective fading due to the extra redundancy.

>As for CW being an AM mode, that's a bit of a stretch. While CW takes
>on two amplitudes there is no information in the amplitude itself.
>Also, the sidebands are zero-width.

Not true. The two amplitudes (on and off) along with the duration of the pulses *are* the modulation that, after demodulation, can be decoded back into the original intelligence through the use of a Morse Decoder. The decoder can be organo-chemical or silicon-electrical.

The sidebands of on-off keyed signals are not zero. From the ARRL Handbook 1982 page 11-1, "On-off keying is a form of amplitude modulation and, as such, generates sidebands whose spacing from the carrier is proportional to the keying speed. A keying speed of 12 wpm corresponds to an information rate of 5 Hz, which theoretically requires 10 Hz bandwidth. A keying waveform, however, approaches square-wave modulation, consisting of the keying frequency plus all of the odd harmonics." This is why filters narrower than a couple hundred hertz can't successfully be used to copy CW. The bit edges become smeared (ringing) when all the odd harmonics are stripped off.

Remember that Morse Code is not the beeps that you hear, it is the duration and spacing of the waveform envelopes that carry the encoding.

Gary KE4ZV

From 2807733265936859966
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10cfc2c9d120d5f3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,10cfc2c9d120d5f3
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-21 02:15:37 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: Call for Discussion, pass two: reorganization of rec.ham-radio.*
Keywords: rec.ham-radio, reorganization
Message-ID: <1697@ke4zv.UUCP>
Date: 21 Dec 90 10:15:37 GMT
References: <Dec.16.16.50.27.1990.21670@turbo.bio.net> <4101@osc.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Followup-To: news.groups
Organization: Gannett Technologies Group
Lines: 18
Xref: gmdzi news.groups:23809 rec.ham-radio:18329

In article <4101@osc.COM> jgk@osc.COM (Joe Keane) writes:
>
>Therefore my proposal is the following:

>
>rec.radio.ham.legal
>rec.radio.ham.misc   (from rec.ham-radio)
>rec.radio.ham.packet (from rec.ham-radio.packet)
>rec.radio.ham.swap   (from rec.ham-radio.swap)
>rec.radio.ham.tech

I strongly support this alignment, especially changing rec.ham-radio to
rec.radio.ham.misc as this should cut down on inappropriate cross-posts.
I am also strongly in favor of a tech group where less heat and more light
can be thrown on such subjects as modulation methods and encodings. I
seriously doubt that legal will be widely read or posted to, but maybe
that's just as well.

Gary KE4ZV

From 9090688012041864052
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,99d98b0d64b04d05,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-21 07:20:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!
wuarchive!udel!princeton!njin!rutgers!cunixf.cc.columbia.edu!gp15
From: gp15@cunixf.cc.columbia.edu (Gerald Pulver)
Newsgroups: rec.ham-radio
Subject: synopsis of the news
Keywords: codeless technician modify CW legal
Message-ID: <1990Dec21.152000.24058@cunixf.cc.columbia.edu>
Date: 21 Dec 90 15:20:00 GMT
Organization: Columbia University
Lines: 6
Bcc: gp15

For the benefit of anyone who doesn't have time to read all
the traffic on this conference, here's the Emily Liteller
condensation:

It will be legal for a codeless technician to modify a rig to
receive CW.

From -4394140156417096888
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10cfc2c9d120d5f3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,10cfc2c9d120d5f3
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-21 08:19:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
cs.utexas.edu!news-server.csri.toronto.edu!utgpu!utzoo!mnetor!tmsoft!eci386!woods
From: woods@eci386.uucp (Greg A. Woods)
Newsgroups: rec.ham-radio,news.groups

Subject: Re: Call for Discussion, pass two: reorganization of rec.ham-radio.*
Summary: *Please* use AMATEUR!
Keywords: rec.ham-radio, reorganization
Message-ID: <1990Dec21.161902.759@eci386.uucp>
Date: 21 Dec 90 16:19:02 GMT
References: <Dec.16.16.50.27.1990.21670@turbo.bio.net> <4101@osc.COM>
Reply-To: woods@eci386.UUCP (Greg A. Woods)
Organization: Elegant Communications, Inc.
Lines: 46
Xref: gmdzi rec.ham-radio:18381 news.groups:23847

In article <4101@osc.COM> jgk@osc.COM (Joe Keane) writes:
> I don't know about replacing `ham' with `amateur'. I think most people would
> call themselves `hams' and not `amateurs'. Besides, `ham' is easier to type.
> Basically, it doesn't seem to me like there's a good enough reason to change
> it from what it was. But i don't think it makes a big difference either way.

EXCUSE ME?!?!? What do you think computers and fancy user interfaces are for? Even if I did have to type some long drawn-out newsgroup name, I'd probably just cut-and-paste it on my DMD with the mouse!

My Canadian Radio License says "AMATEUR". In my own eyes I am not a "ham". Period. I don't use the term (unless it slips out when I'm in conversation with others using it), and I don't like it. It grates on my nerves. I know many others who feel the same. In the real world it is just as easy to type, write, and say "amateur". It is more correct and proper to do so, and it doesn't convey nearly so many negative connotations. As you can probably tell it does make a big difference to me, and I'll guarantee it'll make a big difference to many potential amateur's in the USENET communitee.

I'm not advocating a ban of the term "ham", though, by any stretch of the imagination. I only want to be extra careful about not using it in prominent places like newsgroup names. It's a slang term (definition #4 in Webster's), and I've no objection to it being used as such in everyday speech. In my opinion anyone using it in written form, especially in more formal writing, is debasing themselves.

I do, however, agree with the .misc subgroup, and I've given up even thinking about .legal vs. .regs.

I still *strongly* prefer .digital over .packet. Packet is only one of the digital modes. In actual fact .net might be better for the future if we are to encourage proper networking.

Again my (slightly modified) proposal is the following:

```
rec.radio.amateur.legal
rec.radio.amateur.misc    (from rec.ham-radio)
rec.radio.amateur.digital (from rec.ham-radio.packet)
rec.radio.amateur.swap    (from rec.ham-radio.swap)
rec.radio.amateur.tech
--
```

Greg A. Woods
woods@{eci386,gate,robohack,ontmoh,tmsoft}.UUCP   ECI and UniForum Canada
+1-416-443-1734 [h] +1-416-595-5425 [w] VE3TCP   Toronto, Ontario CANADA
Political speech and writing are largely the defense of the indefensible-ORWELL

From 7152295086546622240
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,822014fa21599fe2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-21 09:04:33 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!hellgate.utah.edu!uplherc!esunix!
datwyler
From: datwyler@esunix.UUCP (Doug Datwyler)
Newsgroups: rec.ham-radio
Subject: Re: Name of new TECHNICIAN LICENSE
Message-ID: <2263@esunix.UUCP>
Date: 21 Dec 90 17:04:33 GMT
References: <R02Fu10w163w@phoenix.com>
Organization: Evans & Sutherland, Salt Lake City, Utah
Lines: 13

in article <R02Fu10w163w@phoenix.com>, stanley@phoenix.com (John Stanley) says:
>
>   Has this part been rescinded, or is it just being ignored?

Not rescinded, merely forgotten after people get used to hearing
the interim calls. If upgraded and not changing the callsign, the
interim call is no longer required.

--
Douglas L. Datwyler, WR7O
Evans and Sutherland
600 Komas Drive
Salt Lake City, UT 84108   (801)582-5847

From -6667169799754201023
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5c7f70ec12eeea7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-21 12:53:45 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!bionet!
synoptics!jkaidor
From: jkaidor@synoptics.COM (Jerome Kaidor)
Newsgroups: rec.ham-radio
Subject: Re: Foreign exchange (was Re: UK-->US ham license
Message-ID: <22132@mvis1.com>
Date: 21 Dec 90 20:53:45 GMT
References: <291@bongo.UUCP> <1990Dec18.185724.3518@wam.umd.edu>
<219@nddsun1.sps.mot.com>
Organization: SynOptics Communications Inc. Mountain View, Ca.
Lines: 12

In article <219@nddsun1.sps.mot.com> waters%darla@dover.sps.mot.com (Strawberry Jammer) writes:

>
>You might try opening an account in a foreign bank, U.S. banks tend to try
>to "soak" you in any foreign currency transaction in my experience.

I don't know about elsewhere, but there's a money exchange company called "Deak International" that has a kiosk at San Francisco International Airport. Last time I checked, they charged about $5 for a "sterling draft" for me to send to a british company that didn't do credit cards. Maybe other airports host similar businesses?

- Jerry Kaidor, KF6VB

```
From -8359485163583712952
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-21 14:01:11 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!bionet!synoptics!jkaidor
From: jkaidor@synoptics.COM (Jerome Kaidor)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <22133@mvis1.com>
Date: 21 Dec 90 22:01:11 GMT
References: <9012192234.AA28592@tilde> <698@wells.UUCP>
Organization: SynOptics Communications Inc. Mountain View, Ca.
Lines: 22
```

In article <698@wells.UUCP> k3tx@wells.UUCP (Dave Heller) writes:

>>
>The General (Comm'l) license is just wallpaper as someone else put it. No

Tell that to avionics technicians! They still need it. When I took the test a year or so ago, the test-waiting-area was heavily populated by people who wanted to work for United Airlines, which has a large repair depot in this area. As for difficulty, I would put it at about the level of the Advanced. As people in the testing room finished their tests, they went up and were graded on the spot. Passes seemed to be running about 50%...

Of course, the General Radiotelephone isn't needed for a lot of things the FCC used to license, like repairing CBs, being a broadcast station engineer, etc. The general principle seems to be that the FCC doesn't want to license anyone that they're not REQUIRED to license by INTERNATIONAL TREATY. Hence they still issue ham licenses and Marine radio licenses. Its too bad, in a way. Now, if you want to work at a radio station, you have to prove your proficiency some other way, like a degree, or prior experience...

- Jerry Kaidor, KF6VB

From -8555810581775053686
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20ee660ebc2446e1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-21 17:05:05 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!voder!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: 10 codes for police radio
Message-ID: <1990Dec22.010505.24801@informix.com>
Date: 22 Dec 90 01:05:05 GMT
References: <9012201714.AA19062@ucsd.edu>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 14

In article <9012201714.AA19062@ucsd.edu> RTDIMO%GOR1@LEAV-EMH.ARMY.MIL (Larry Carr) writes:
>Could someone post to net or email to me the 10 codes used on police radio
>frequencies? Thanks.

Different police departments use different codes. There is a "common 10-code list" in the Radio Shack "Police Call" book, but it will be somewhat different from whatever police department you monitor.

And that's a big ten-four.
--

=-=
Randall Rhea   Informix Software, Inc.
Senior Programmer/Analyst, MIS   uunet!pyramid!infmx!randall

From -5198039068009781315
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20ede76b7550a59d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 01:54:06 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: Equipment costs...
Message-ID: <21.Dec.90.10:48:52.GMT.#4522@UK.AC.NWL.IA>
Date: 21 Dec 90 10:21:25 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 23

 paulf@shasta.Stanford.EDU | says::
>
>>A used TNC can be had for about $50. A used rockbound VHF radio can
>>be had for $30. A used terminal can be found for $20.
                                                       ""
Sheesh!   *PAY* for a terminal....?   Where is your ingenuity?
If you loiter about the skips and trashcans behind most computer or electronics
departments, you can pick one up for free. Just be prepared to put up
with odd looks from the people who see you.....   I got most of an IBM-PC from
my employer's skip, and a working VT52 (remember them..?) from a University
junk-hill. And yes, ambulance-despatcher radios recrystalled, make great packet
boxes; i got a 25-watt-output radio, a 1/2-wave antenna, and 10 yards of coax
all for less than 5 pounds sterling (about 10 dollars for the lot).
The pair of crystals cost more than the radio!
I must confess though, i *did* buy a *NEW* DRSI card....... We must all have
our moments of folly.

"In 2020, aircraft will be manned by a pilot and a dog. The pilot's job will
  be to feed the dog, and the dog's job will be to bite the pilot if he touches
   anything" - Geoff Hamer.

++++++++++ Pete Lucas PJML@UK.AC.NWL.IA G6WBJ@GB7SDN.GBR.EU ++++++++++

From -1543990388565093204
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 02:15:46 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Re: No-code Technicians
Message-ID: <25212@ucsd.Edu>
Date: 21 Dec 90 14:34:53 GMT
References: <25077@ucsd.Edu> <58130008@hpcupt1.cup.hp.com>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 37

In article <58130008@hpcupt1.cup.hp.com> holly@hpcupt1.cup.hp.com (Jim Hollenback)
writes:
>I always find it interesting that it is the long-term Technicians that
>propose the two level or classes license structure. I wonder want the
>real motivation is to propose the present Techs should be grandfathered
>to full HF priviledges. I feel it more they want the full HF priviledges
>and don't want to learn the code. Actually there is more to learning
>the code on upgrading. It also is learning the answers to more theroy
>questions. Otherwise there would be few if any General class license
>holders.

Assuming I've interpreted your broken English correctly, you're
attempting to explain away my (and others) position on the classless

amateur radio license as an attempt to gain privileges without being qualified for them, specifically lacking "the answers to more theory".

While it undoubtedly makes you feel warm inside to have discovered the base and ulterior motives behind this attempt at reform, let me caution you not to feel too good about it - because you're wrong.

Let me remind you that when I and many others took the Technician license exam, the only difference between the Tech and General license WAS the code speed. The "theory" (and regs) part of the exam was exactly the same, which completely negates your argument about "few if any General" licensees.

And while I can't speak to the qualifications of other long-time Technician licensees (I don't know, and unlike you, I'm unwilling to condemn them without facts), it's not the theory that made the difference. If you require proof, I'll wave my 1st phone (with radar) license under your nose. I earned it a year or so after I got my Tech ham license - just after I graduated from high school. The jobs I held in industrial and broadcast radio required it.

Except for packet radio on two meters, you'll rarely find me below 420 MHz. I've little use for HF; the telephone works better and cheaper.

Brian Kantor WB6CYT   UC San Diego   brian@ucsd.edu

From -6937541480047942433
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3289e813bd1935b1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 02:22:11 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!ucsd!ucbvax!S51.PRIME.COM!BUSH
From: BUSH@S51.PRIME.COM
Newsgroups: rec.ham-radio
Subject: Codeless News from ARRL
Message-ID: <9012211454.AA17816@ucsd.edu>
Date: 21 Dec 90 14:54:53 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 122

ARRL/VEC NEWS RELEASE   December 14, 1990

To: All ARRL VE Team Liaisons

From: Bart J. Jahnke. KB9NM. ARRL/VEC Manager

FOR IMMEDIATE RELEASE

FCC CREATES CODELESS CLASS OF AMATEUR RADIO LICENSE

For the first time ever, starting in February it will be possible to obtain an Amateur Radio license in the United States without passing a Morse code test. This was announced by the FCC at its open meeting yesterday, December 13th. The Federal Communications Commissions (FCC) has eliminated the need for new Technician class Amateur Radio license applicants to demonstrate proficiency in Morse code in order to have all amateur privileges above 30 MHz. The implementation date may be as early as February 1991. Technicians who obtain their licenses prior to that date will be grandfathered, meaning their existing HF privileges will continue.

The codeless Technician written examination will have 55 questions (existing Elements 2 and 3A). New Technicians wishing to gain access to the HF privileges below 30 MHz will be required to pass the Element 1A (5 WPM) Morse code test before three Volunteer Examiners accredited by Volunteer Examiner Coordinators, and will be given a Certificate of Successful Completion of Examination (CSCE) to serve as evidence of their qualifications. That CSCE must be retained by them in perpetuity to prove they have met the requirement to gain access to the Novice HF bands. Novices wishing to upgrade to Technician must pass Element 3A to gain the VHF privileges of the Technician class. Novices will need to retain a copy (preferably the original) of their Novice license in order to show that they have met the 5 WPM requirment for HF band access. This is because there will be no call sign designator to indicate Technicians who have or have not passed a code test. VECs will supply the FCC with a list of those codeless Technicians who passed element 1A.

There has been no change to the Novice license in any way, nor has there been any change made above the Technician class. Novice examinations will continue to be available both by two Novice examiners (no test fee), or by three accredited VEs (no test fee if only elements 1A and 2 are involved). The FCC decided to retain the current Novice Class operator license as an alternate entry level license for those persons able to pass the 5 WPM Morse code test instead of the more comprehensive written exam required for the Technician Class license.

At a press briefing held just after the Commission's meeting, FCC Private Radio Bureau Chief Ralph Haller said "The Amateur Service is not growing as it should relative to what it has to offer." He said that the Amateur Service is where our nation's technical expertise comes from--that the changes should attract people who are interested in computers and digital communications, and should help the US to become more competitive.

In a news release today, ARRL President Larry Price, W4RA noted with pleasure that the Commission had decided to retain the Novice license as a means of entry into Amateur Radio and to adopt a codeless license with a meaningful written examination requirement. "Our members were very strong on both of these points, because they couldn't imagine how we could maintain the character of the Amateuer Radio Service without them," Mr. Price said.

Presiden Price sounded a note of caution with the privileges the Commission plans to grant codeless licesees. He indicated that the formula developed by the ARRL Board, which called for privileges above 220 MHz, was based upon extensive membership input. It was carefully balanced to offer attractive privileges while protecting existing patterns of amateur activity. While it will take some time to gauge the reaction to the Commission's action, Mr. Price observed that the FCC formula is likely to be less acceptable to many amateurs than the League's. He asks that League members share their views with their elected Directors, who will collectivly determine League policy.

"Before we can decide whether to request that the Commisson partially reconsider its action, we'll have to see the Report and Order," said Mr. Price. Usually it takes the FCC from several days to several weeks after a Commisson action to release an itemn after editorial review. There is a 30 day window of opportunity following release in which petitions for recondsideration can be filed. Mr. Price noted that ARRL Board was holding its regular meeting on January 18-19 1991. "The timing looks good for a careful review of the Commission's action at that meeting," he said.

MORSE CODE EXEMPTIONS FOR HANDICAPPED OR DISABLED AMATEURS

FCC also announced yesterday that it has amended its rules to make the Amateur Service more accessible to the handicapped or disabled licensees who are unable to pass a higher speed Morse code examination.

The FCC decide to declined to provide a list of disabilities; instead, the judgment of a qualified physician will be relied on to detrmine that a person cannot pass a Morse code examination due to a severe handicap.

In response to concerns about the integrity of the process, FCC staff said anyone abusing the process would be dealt with harshly.

The FCC afirmed that because of international requirements, no examptions would be granted for the 5 WPM Morse code requirement.

As we understand it, Element 1C credit will be given by VEs to applicants presenting a correctly completed DOCTOR's CERTIFICATION. The FCC indicated that the physician will be relied upon to make the appropriate certification and that the certification will include permission for release of mediacal information to the FCC. Ralf Haller. or the FCC, said that the 610 form may be modified to require the certifying physician's signature on the form near the US Code Title 18 Reference which states. "Willful false statements made on this form or attachments are punishable by fine and imprisonment."

More specific information will be provided to you though the next VE

EXPRESS newsletter upon receipt of the Report and Order documents on
both of the above news items.

-30-

From -1823730661012279982
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dcadbed70363b7cc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 02:56:38 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!NADC.NADC.NAVY.MIL!
skitch
From: skitch@NADC.NADC.NAVY.MIL (M. Squicciarini)
Newsgroups: rec.ham-radio
Subject: DL5YEC -- HC901204.ZIP
Message-ID: <9012211625.AA06765@NADC.NADC.NAVY.MIL>
Date: 21 Dec 90 16:25:47 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7

Django - DL5YEC,
I did not know how to reach you other then via this list.
I have a few question to ask about the program? I am not
able to access com1. Was that designed that way? I would
like to know how the program works. Thank you for your
help.
73 -- marty -- nr3z   skitch@nadc.navy.mil

From -1486926331732974777
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92039ee1b2ef338e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 02:56:42 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!NADC.NADC.NAVY.MIL!
skitch
From: skitch@NADC.NADC.NAVY.MIL (M. Squicciarini)
Newsgroups: rec.ham-radio
Subject: DXing lists
Message-ID: <9012211626.AA06787@NADC.NADC.NAVY.MIL>
Date: 21 Dec 90 16:26:25 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4

Does anyone know of other list that are more directed to dxing??
If such lists exist I would like to be added to them.
thank you
73 -- marty -- nr3z   skitch@nadc.navy.mil

From -8562211212703450671
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b069dfd2cee136a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 02:57:07 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!think.com!masscomp!ocpt!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: Class D AM Phone (was Re: morse code)
Message-ID: <1272@tsdiag.ccur.com>
Date: 21 Dec 90 16:05:57 GMT
References: <1990Dec14.145827.14942@lonex.radc.af.mil> <7880390@hpfcdc.HP.COM>
Organization: Concurrent Computer Corp. Oceanport NJ
Lines: 39

In article <7880390@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>>The problem here is that you're confusing coding with modulation. HF packet
>>et al are all FM in nature, which is somewhat superior to AM modes like CW
>>when it comes to decoding (orthogonality).
>>-=Paul Flaherty, N9FZX
>
>I must be missing something here, Paul. Maybe you need to explain the
>difference between "(en)coding" vs "modulation".
>I always thought a CW transmitter was either ON or OFF, which also sounds
>distinctly digital.
>
>As for CW being an AM mode, that's a bit of a stretch. While CW takes
>on two amplitudes there is no information in the amplitude itself.
>Also, the sidebands are zero-width.

I'd like to give this issue a stab. The modulation of RF refers to what you do to the base RF signal. For instance, start with a constant amplitude RF signal and chop it on/off (a la CW). This is an AM mode, since any information is being conveyed via amplitude changes. The modulating signal is digital in nature, since it consists of on/off pulses. (one could claim CW is a combination of pulse-position/pulse width modulation, but I digress). If you take the same digital on/off signal and apply it to a tone generator and feed this into an FM transmitter, you get an FM style mode. In this case the carrier is on all the time, and the information is contained in the FM sidebands. A real-life example of a complex waveform is the APT format sent by wx satellites. The RF transmission is medium width FM, but the modulating signal is an amplitude modulated 2400Hz tone that represents image data. The confusion arises in that for HF packet you use two tones to encode your HDLC data, but feed them into a SSB transmitter. What you get it still a SSB signal, but the encoding of the data is indeed frequency modulation (also known as frequency shift keying, FSK). If I were to choose a single tone with two distinct amplitude levels as my input to the SSB transmitter, I'd still have a SSB signal on the air, but the encoding of your HDLC data would now be AM in nature. I hope this helps clear things up.
--
David E. Tiller   davet@tsdiag.ccur.com | Concurrent Computer Corp.

FAX: 201-870-5952   Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet | Oceanport NJ, 07757
ICBM: 40 16' 52" N   73 59' 00" W | N2KAU @ NN2Z

From -5900995579997O5055
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 03:05:53 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!think.com!masscomp!ocpt!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <1273@tsdiag.ccur.com>
Date: 21 Dec 90 16:35:16 GMT
References: <9012202036.AA09127@tilde>
Organization: Concurrent Computer Corp. Oceanport NJ
Lines: 19

In article <9012202036.AA09127@tilde> dube@cpdvax.csc.ti.com writes:
-In <davet@tsdiag.ccur.com (Dave Tiller N2KAU)> Dave says:

Lotsa stuff deleted - mine and Dube's.

-
-I don't believe in gunbarrel vision when it comes to regulations. One needs to
-think about the intent of the regulations.
-

I agree with this wholeheartedly, but we must sometimes beware of the letter
of the law, too. As long as the regs aren't being stretched too far (like
in another thread about reverse patches and burglar alarms being legal), I
feel safe wallowing in the spirit of the law. Have a happy holiday, Dube!
--
David E. Tiller   davet@tsdiag.ccur.com | Concurrent Computer Corp.
FAX: 201-870-5952   Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet | Oceanport NJ, 07757
ICBM: 40 16' 52" N   73 59' 00" W | N2KAU @ NN2Z

From -3148370156267427443
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9d66dcc6e7307ed2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 03:10:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!uunet!tut.cis.ohio-state.edu!purdue!haven!decuac!shlump.nac.dec.com!esis.enet.dec.com!magid
From: magid@esis.enet.dec.com (Joel Magid...)
Newsgroups: rec.ham-radio
Subject: U2MIR DE N1HZH
Message-ID: <18431@shlump.nac.dec.com>

Date: 21 Dec 90 13:19:00 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 36

I finally made the contact with U2MIR, signal was a 57 to 58 and lasted about 45 seconds. Contact time was 1330 UTC. I was in the car and almost froze upon hearing the comeback. He gave me a 57 as a signal report.

I was using a Kenwood TM731A (45 watts) to a Larson 5/8 dual bander

Here is the data available on the pass

```
E Mass  Lat=   42.153 Long=   71.283  Ht=  60.m  Window Limit=  0.0 deg
Element Set 28: MIR          (OBJ 16609 Set: 132)
Doppler shift calculated for    145.550 mhz

Current     Arg Perigee        R.A.A.N.          Period          S.M.A.
                27.1633        111.9652         92.3103        6765.881

Eqx Time = 1304:38             Eqx Long =  173.0

 U.T.C.    AZ   EL  DOPPLER  RANGE   HEIGHT   LAT   LONG  PHASE
HHMM:SS   deg  deg     hz      km      km    N+S-   W+E-  <256>
12/20/90 THU              -----DAY # 354----ORBIT #  27720----
1326:00   306 -1.0    3093    2380     379   51.2   98.4    40
1327:00   311  2.6    2983    2006     380   51.5   92.4    43
1328:00   318  6.7    2779    1652     381   51.6   86.3    46
1329:00   329   11    2390    1337     382   51.3   80.3    48
1330:00   347   17    1641    1097     383   50.6   74.5    51
1331:00    12   20     341     989     384   49.7   68.8    54
1332:00    38   18   -1235    1055     385   48.5   63.4    57
1333:00    57   13   -2314    1267     386   47.0   58.3    60
1334:00    70  8.0   -2782    1567     387   45.2   53.5    62
1335:00    78  3.7   -2985    1913     388   43.3   49.0    65
1336:00    83  0.1   -3090    2283     389   41.2   44.8    68
```

* *

From 209126571274925992
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,515303ac6dadd79e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 03:20:23 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!UKCC.UKY.EDU!ROBERTT
From: ROBERTT@UKCC.UKY.EDU ("Williamson, Robert")
Newsgroups: rec.ham-radio

Subject: An Outside Viewpoint
Message-ID: <9012211713.AA00940@ucsd.edu>
Date: 21 Dec 90 17:10:35 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 61

I am but a *voyeur* of these conversations about ham radio, and only occasionally that. As an *old-timer* (W4DHK since '54) the passions aren't what they used to be; and they are spread over a lot of other areas of interest, activity, and concern. I am still somewhat involved - having sat for my Advanced and Extra class tickets last Spring, gone to a couple of *Hamfests* (why is that always so depressing?), and bought myself a new HF rig and keyer. Whoops.....hope that doesn't tip my fist....er....hand....as to what my position might be IF I were to join the debate about no-code licensing.

Actually, I really don't have a position on no-code. I see the passionate exchanges and find myself on both sides of the issue from time to time. There have been basic changes over the years which DID upset me, and which DID, I believe, have a detrimental impact on the service. But not this one. No-code was inevitable. No-theory tickets are not that far fetched, nor are they, IMHO, that far away. It really doesn't matter what you or I think is appropriate, or what is happening with the service and/or technology. The process has much more to do with economics, and with evolutionary trends in our society. You know what happened in commercial radio, and on the Citizen's Band. Take a look at some of the other federal agency certification processes; see what the FAA is doing, for instance, with the *pilots* license.

Telegraphy, I think everyone agrees, is an integral part of the history and tradition of ham radio. I have always enjoyed that aspect of the hobby a lot, and I feel that I always will. I have less fun with, and less need for, circuit design principles and formulas, and advanced electronic theory - having designed my first and last rig in 1954. But that is also an important aspect - more challenging and dynamic for sure; and I want to be competent in that area too. I don't *need* the electronic theory to be an amateur radio communicator - at least in the way that I enjoy it. And I can appreciate that others do not NEED code for what they want to do. But....come on....it is all so incredibly EASY! Why would anybody let any of it keep them out of this hobby?

I am an Academic Computing consultant at the University of Ky. My life has nothing to do with telegraphy OR electronics. And I was able, with modest effort, to pass the novice, general, advanced, and extra class exams - all on the first try; the latter two with perfect scores. Many of you, I know, have done the same. Any person with normal intelligence, a current ARRL study guide, and a low-end pocket calculator can prepare for and pass any FCC written exam. Throw in a little commitment and positive attitude and the code is just as easy. I have taught enough of it to know; anybody who wants to can learn it. Anyone with the right attitude, a little commitment, and no particular learning disability, can become proficient. *Hazing* seems such a strange way to perceive such a trivial prerequisite. I remember when people used to talk about how stupid and unfair it was to have to learn about *radios* and navigation equipment and all that other dumb technical stuff - just to get a license to fly an airplane. They didn't want to study and practice (be hazed); they wanted to get out there and FLY! Well.....guess what folks; Now they can! Don't worry though. The special rules they operate under SHOULD keep them out of your airspace, and off of your approach paths - in most cases.

I say *welcome aboard* no-coders. Hope you enjoy our hobby and our fraternity, and that you continue to explore and discover and broaden your horizons.

From 8990160133229082363
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 04:08:04 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Packet on CB ; was: Re: No-code license
Message-ID: <1990Dec21.184319.17019@athena.cs.uga.edu>
Date: 21 Dec 90 18:43:19 GMT
References: <4ea8a25f.20b6d@apollo.HP.COM> <205@platypus.uofs.edu>
<237@heimat.UUCP>
Organization: University of Georgia, Athens
Lines: 13

I, too, think packet on CB radio would be an excellent idea. For several reasons...

(1) The ban on business communications in ham radio is somewhat awkward. Amateur *computing* usually mixes business and hobby together. It's hard to separate them cleanly enough to satisfy ham requirements. (Such things as not sending shareware through the air.)

(2) Packet rigs have enough patience to out-wait even the most determined jammer or ratchetjaw.

But I'd rather get FCC approval first. And I'd like to use FM; perhaps we should petition the FCC to allow FM packet on CB?

From -4827223352576843812
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9d66dcc6e7307ed2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 04:32:08 PST

Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: U2MIR DE N1HZH
Message-ID: <47542@apple.Apple.COM>
Date: 21 Dec 90 19:28:03 GMT
References: <18431@shlump.nac.dec.com>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 25
Distribution:na

In article <18431@shlump.nac.dec.com> magid@esis.enet.dec.com (Joel Magid...) writes:

> I finally made the contact with U2MIR, signal was a 57 to 58 and lasted about 45 seconds. Contact time was 1330 UTC. I was in the car and almost froze upon hearing the comeback. He gave me a 57 as a signal report.

Well, *tell* us, Joel: what did you talk about for 45 seconds???! Do you speak Russian, or is Musa fluent in English?

I'm envious. When I worked U4MIR, I'd been practicing saying "Mna zavoot Patty" for two days, but I got drowned out by someone else when I said it! Granted, exchanging callsigns was enough to get me a MIR QSL card, but I would've liked a little more.

Patty

p.s. Is their frequency 145.550 or 145.555? I can never remember.
--
```
******************************************************************************
Patty Winter N6BIS                          INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                       UUCP: {decwrl,nsc,sun}!apple!winter
******************************************************************************
```

From -8009325653535097738
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 04:33:56 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!elroy.jpl.nasa.gov!jato!mars!hammock
From: hammock@mars.jpl.nasa.gov (Randy Hammock)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Keywords: NoCode
Message-ID: <1990Dec21.191906.9290@jato.jpl.nasa.gov>
Date: 21 Dec 90 19:19:06 GMT
References: <7169@jhunix.HCF.JHU.EDU> <40074@genrad.UUCP> <41520@ut-emx.uucp>

<1990Dec17.161526.5276@ni.umd.edu> <620@chiton.ucsd.edu>
Sender: news@jato.jpl.nasa.gov
Reply-To: hammock@mars.UUCP (Randy Hammock)
Organization: Jet Propulsion Laboratory, Pasadena, CA.
Lines: 36
Nntp-Posting-Host: mars.jpl.nasa.gov

In article <620@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
>In article <1990Dec17.161526.5276@ni.umd.edu> louie@sayshell.umd.edu (Louis A. Mamakos) writes:
>>See how CW hazing has made sure that only "worthy"
>>folks have had licenses?
>>
>CW "operating" has made sure that new Amateurs learned good operating practices
>along with the fundamental traditions of friendliness and civility.

I don't think the code has helped me "learn good operating practices." In fact,
beyond taking the code test to get my Novice, I have not used the code at all.
I was communications officer for my CAP squadron years before I got my first
Novice ticket (20 yeares ago). I was sent to the Air Force Communications
School at Keesler AFB were I learned all about conducting Nets and procedures
for point-to-point ground communications. All using SSB and no code.

>>I for one hope that the infusion of new blood will turn the topic of
>>QSOs from the latest round of medical problems and treatments to more
>>interesting topics.
>>
>I hope that the "new blood" will have some compassion for the many senior and
>disabled Hams whose only human contact with friends is on the air.
>
I always enjoy making new friends over the air. Since one of my favorite
modes is packet, I have spent hours sitting at the keyboard chatting with
folks I'll probably never meet any other way. Perhaps I may even have the
opportunity to chat with you, too. There are so many aspect to ham radio,
find the ones you like and excell in those areas. I don't care for CW, but
that is my personal choice. If someone else likes CW but not packet, that
is fine too. I don't condem anyones choice of operating mode nor do I
expect them to condem mine.>

```
Randy Hammock
AMIGA /// | hammock@mars.jpl.nasa.gov  Telos - Jet Propulsion Laboratory - NASA
     ///  |         KC6HUR            >>> SPACE, reseved for future use. <<<
 \\///   |-------------------------------------------------------------------
  \XX/ C= |     "When I want your opinions, I'll give them to you!" - Mock
```

From 3232805990200293257
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7b579cb5c67f472c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 04:46:01 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!
pacbell.com!tandem!netcom!mojo

From: mojo@netcom.UUCP (Morris Jones)
Newsgroups: rec.ham-radio
Subject: Re: new technician class
Message-ID: <19248@netcom.UUCP>
Date: 21 Dec 90 19:05:57 GMT
References: <787.276F70F5@w8grt.fidonet.org> <37097@cup.portal.com>
<409@nddsun1.sps.mot.com>
Organization: Netcom- The Bay Area's Public Access Unix System {408 241-9760
guest}
Lines: 31

Mike Waters AA4MW writes:
>And how many people know what class "AA4MW" is? You would be suprised at
>the number of people who have gotten it wrong!

Let's see. 2x2. Must be an ADVANCED call!

Have you considered changing to a 7 call? I hand picked AA4KB back in '78
(AA4 Kick Butt -- it's a contester slogan) and I've been really loathe to
change for a local Extra call. Now I'd get AB6xx. Bleh. But, damn, I
do get tired of people asking me how long I'm going to be visiting California,
and in the Sweepstakes, I simply _had_ to sign AA4KB/6 so they would copy
SCV and not SC.

But naaaaaah! I'll stick with it. I held another great call: N6DE. When
I moved home to Memphis, and thought it would be permanent, I traded it in
for AA4KB (second choice to AA4TN). I would operate in the contests as
N6DE/4 ... and NOBODY could copy it!

"AA4MW DE N6DE/4 AR"   "/4?"

Now that I'm home in California (since 1980), I'd DEARLY love to get N6DE
back. <sigh>

Mojo AA4KB
netcom!mojo@apple.com

```
--
mojo@netcom.UUCP          Site Coordinating Instructor, San Jose South
Morris "Mojo" Jones       Skilled Motorcycling And Rider Training (S.M.A.R.T.)
Campbell, CA              800-675-5559 ... 800-CC-RIDER ...  408-423-2212
AA4KB @ N6LDL.#NOCAL.CA.USA.NA / aa4kb.ampr.org / netcom!mojo@apple.com
```

From -2273597474299031070
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 05:16:27 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!sdd.hp.com!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem

Keywords: NoCode
Message-ID: <635@chiton.ucsd.edu>
Date: 21 Dec 90 20:45:13 GMT
References: <7169@jhunix.HCF.JHU.EDU> <40074@genrad.UUCP> <41520@ut-emx.uucp>
<1990Dec17.161526.5276@ni.umd.edu> <620@chiton.ucsd.edu>
<1990Dec21.191906.9290@jato.jpl.nasa.gov>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 16

In article <1990Dec21.191906.9290@jato.jpl.nasa.gov> hammock@mars.UUCP (Randy Hammock) writes:
>
>I don't think the code has helped me "learn good operating practices." In fact,
>beyond taking the code test to get my Novice, I have not used the code at all.

That's why it has had no effect....

AA6PN

--
richard currier marine physical lab u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From 7518176340968453l5
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0c54d597d79c632
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 05:26:24 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!nddsun1!darla!waters
From: waters@darla.tmc.edu (Strawberry Jammer)
Newsgroups: rec.ham-radio
Subject: Re: Codeless Tech License
Message-ID: <493@nddsun1.sps.mot.com>
Date: 21 Dec 90 20:02:56 GMT
References: <785.276F70E6@w8grt.fidonet.org>
<1990Dec19.220949.12753@cunixf.cc.columbia.edu> <47@bootsie.UUCP>
Sender: root@nddsun1.sps.mot.com
Reply-To: waters%darla@dover.sps.mot.com (Strawberry Jammer)
Organization: Hacker's haven
Lines: 45
Posted: Fri Dec 21 14:02:56 1990

In article <47@bootsie.UUCP> olson@endor.harvard.edu (Eric Olson) writes:
{In recent article cy5@cunixa.cc.columbia.edu (Conway Yee [N2JWQ]) writes:
{>I must disagree. IMHO, much of the opposition is due to the "because I
{>went through this shit, you must go through this shit" syndrome. This
{>phenomena is most clearly observed in the treatment of medical interns/

{>residents but can be discerned here also.
{
{This is also the justification for fraternity hazing, parental
{discipline tactics, etc. It's basically saying "its that way because
{its always been that way." It's a common societal tendancy.

True, my grandfather spent much of his childhood learning penmanship in a
"good round hand". We don't seem to be as fussy about that now for some
reaason ...

{Anyway, I've pretty much decided that 5WPM is trivial, and once I've

True, 5wpm really IS trivial. That is part of the argument for deleting the
requirement on VHF in fact.

{got equipment tempting me to operate <30MHz I'll probably _upgrade_
{to Novice (so to speak). I will probably never operate CW without the
{aid of a computer to en/decode; it just doesn't interest me. (OK,
{maybe occasionally trying to understand random morse I hear somewhere...
{but it's not something I would try to get _good_ at!)

I hope you will take a closer look at manually copied CW though, it really
IS a good mode and a lot of fun. Not quite as wonderful as some on this net
would have you believe, but still fun. (The word LID was contrived for CW!)

{Please note: Code/NoCode is a heated issue. Please don't flame me,
{and if you must, please do it on email.

Not intended as a flame, just a comment.

{P.S. Is the salutation '73' from the median impedance of a dipole?

No, in fact the term predates "72" ohm dipoles by about a century. The
actual origin is unknown as far as I am aware, but has been the subject of
some very entertaining speculation.

--
*Mike Waters   AA4MW/7 waters@dover.sps.mot.com *

** If guns are outlawed, how will conservatives win arguments? **

From 3702569575795436642
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0c54d597d79c632
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 05:27:30 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!nddsun1!darla!waters
From: waters@darla.tmc.edu (Strawberry Jammer)
Newsgroups: rec.ham-radio
Subject: Re: Codeless Tech License
Message-ID: <494@nddsun1.sps.mot.com>
Date: 21 Dec 90 20:04:51 GMT

References: <785.276F70E6@w8grt.fidonet.org>
<1990Dec19.220949.12753@cunixf.cc.columbia.edu> <47@bootsie.UUCP>
<1990Dec21.031124.24643@ux1.cso.uiuc.edu>
Sender: root@nddsun1.sps.mot.com
Reply-To: waters%darla@dover.sps.mot.com (Strawberry Jammer)
Organization: Hacker's haven
Lines: 19
Posted: Fri Dec 21 14:04:51 1990

In article <1990Dec21.031124.24643@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN) writes:
{olson@bootsie.UUCP (Eric Olson) writes:
{
{>This is also the justification for fraternity hazing, parental
{>discipline tactics, etc. It's basically saying "its that way because
{>its always been that way." It's a common societal tendancy.
{
{Just to show how much people fall for such b.s., consider a frequent
{advertising quote on many a product: "over one million people have and
{enjoy the foobar widget, so get yours today".

To which one has to observe:

"Millions of flys do it, so you should too! Eat SH*T!"

--
*Mike Waters   AA4MW/7 waters@dover.sps.mot.com *

** If guns are outlawed, how will conservatives win arguments? **

From 8990226860128685817
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,822014fa21599fe2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 05:29:01 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!xanadu!jeff
From: jeff@xanadu.com (Jeff Crilly N6ZFX)
Newsgroups: rec.ham-radio
Subject: Re: Does CW build character?
Message-ID: <1990Dec21.212319.19693@xanadu.com>
Date: 21 Dec 90 21:23:19 GMT
References: <630@chiton.ucsd.edu> <YETSKO.90Dec20141847@interlan.interlan.com>
<1990Dec21.005836.9287@athena.cs.uga.edu>
Organization: AMIX Corporation, Palo Alto, CA
Lines: 14

In article <1990Dec21.005836.9287@athena.cs.uga.edu> mcovingt@athena.cs.uga.edu (Michael A. Covington) writes:
>I've noticed that slow-scan TV operators are particularly patient and
>courteous. Maybe we should require everyone to operate slow-scan TV.
>
>   (Said with tongue firmly in cheek!)

They sure are courteous. One evening I was listening to the SSTV guys on
20 meters (I don't have SSTV capability) and one of them said,
"Now if anyone watching is offended by nudy pictures, then just
turn off your monitor now." And then he transmitted a picture.

They sure are courteous. #|^>

Jeff

From 6821427793034599839
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3289e813bd1935b1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 06:20:51 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: Codeless News from ARRL
Message-ID: <47547@apple.Apple.COM>
Date: 21 Dec 90 21:53:36 GMT
References: <9012211454.AA17816@ucsd.edu>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 35

>ARRL/VEC NEWS RELEASE   December 14, 1990
>From: Bart J. Jahnke. KB9NM. ARRL/VEC Manager
>...
>   FCC CREATES CODELESS CLASS OF AMATEUR RADIO LICENSE
>
>..., FCC
>Private Radio Bureau Chief Ralph Haller said "The Amateur Service is
>not growing as it should relative to what it has to offer." He said
>that the Amateur Service is where our nation's technical expertise
>comes from--that the changes should attract people who are
>interested in computers and digital communications, and should help
>the US to become more competitive.

Wow. An FCC that is more enlightened than the League that
represents us! Do you really mean that us folks who still see
Ham radio as a technical hobby do have a friend in Washington?

>In a news release today, ARRL President Larry Price, W4RA noted
>...
>"Before we can decide whether to request that the Commisson
>partially reconsider its action, we'll have to see the Report and
>Order," said Mr. Price.

Looks like letter-writing time again, all you who are still a member of the Luddit... oops, I mean the ARRL.

73 and Bah Humbug to "Scrooge" Price,

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From -20127694673428586
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 06:23:39 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!rsiatl!jgd
From: jgd@Dixie.Com (John G. DeArmond)
Newsgroups: rec.ham-radio
Subject: Re: No-code Technicians
Message-ID: <5411@rsiatl.Dixie.Com>
Date: 21 Dec 90 21:35:03 GMT
References: <25077@ucsd.Edu> <58130008@hpcupt1.cup.hp.com> <25212@ucsd.Edu>
Organization: Rapid Deployment Systems (making go-fast things and things that-go fast)
Lines: 44

brian@ucsd.Edu (Brian Kantor) writes:

>And while I can't speak to the qualifications of other long-time
>Technician licensees (I don't know, and unlike you, I'm unwilling to
>condemn them without facts), it's not the theory that made the
>difference.

As another "tech lifer", I'll throw another voice into this one.

>If you require proof, I'll wave my 1st phone (with radar)
>license under your nose.

Same here. I've always looked down upon hams that did not prove their merit by also earning a 1st commercial. (not really, but that statement kinda shows how ignorant the code booster sound.)

>I earned it a year or so after I got my Tech
>ham license

I took my Technician test, my 3rd, 2nd, and 1st tests all in the same day. I considered my ham ticket just a license to talk; I considered my 1st an achievement.

>Except for packet radio on two meters, you'll rarely find me below
>420 MHz. I've little use for HF; the telephone works better and cheaper.

Same here. At least at UHF, you don't have too many bARFbags floating
about.

I guess the best part about all this noise about no-code licenses is that
it does not matter. WE won, you lost and I'm going to savor the victory
for some time to come. That is until I get motivated to start working
for the total elimination of CW as a license requirement.

A toast to all those who worked so hard to make it happen!!! Let's do it
again.

John

```
--
John De Armond, WD4OQC        | "Purveyors of speed to the Trade"  (tm)
Rapid Deployment System, Inc. |  Home of the Nidgets (tm)
Marietta, Ga                  |
{emory,uunet}!rsiatl!jgd      | "Vote early, Vote often"
```

From 6873364890592264834
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,68224797fbfb3762
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 07:40:30 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!netcom!feustel
From: feustel@netcom.UUCP (David Feustel)
Newsgroups: rec.ham-radio
Subject: Re: PD Morse Code Program Runnable on 386 Needed
Message-ID: <19257@netcom.UUCP>
Date: 22 Dec 90 00:12:56 GMT
References: <18242@netcom.UUCP> <15780011@hprnd.rose.hp.com>
Organization: DAFCO - An OS/2 Oasis
Lines: 5

I got a copy of SuperMorse 3.15 and it works real well on a 386sx. My
problem is solved. Thanks.
--
David Feustel, 1930 Curdes Ave, Fort Wayne, IN 46805, (219) 482-9631
EMAIL: netcom.uucp

From 6918534735611478261
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dcc3455c531a3dd5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 07:41:17 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: For sale: Kenwood TH-45AT
Message-ID: <1250316@hpnmdla.HP.COM>
Date: 21 Dec 90 18:44:13 GMT

References: <1990Dec20.174524.21757@odin.corp.sgi.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 10

In rec.ham-radio, strang@mudshark.sgi.com (Bill Strangman) writes:

> Kenwood TH-45AT (440 MHz handheld) For Sale

This should be in rec.ham-radio.swap

AL N1AL

(Tired of reading the same posting 3 times)

From 6222782502710699675
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e8ed696e23b801d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 07:47:42 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Renewal of expired General Class ticket
Message-ID: <1250317@hpnmdla.HP.COM>
Date: 21 Dec 90 18:56:27 GMT
References: <1990Dec21.053509.19993@morrow.stanford.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 15

In rec.ham-radio, mac@pangea.Stanford.EDU (Mike McWilliams) writes:

>Please forgive this elementary question folks; its been a long time. I held
>a General Class ticket from about 1963 to 1975 when I left the US for
>Australia.

>Simple question: Can I get the license re-instated simply, or must I take
>the written and code tests again?

I'll reply on the net as there may be others who are interested.

You have to start over. There is only a 1-year grace period after your license expires.

AL N1AL

From 3069175742798579725
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4b95bc5678e9cc
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-12-22 07:53:42 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!think.com!
snorkelwacker.mit.edu!apple!bionet!hayes.ims.alaska.edu!acad3.alaska.edu!ftpam1
From: ftpam1@acad3.alaska.edu (MUNTS PHILLIP A)
Newsgroups: rec.ham-radio
Subject: Re: Confirmed SAREX QSO
Keywords: robot, STS, SAREX
Message-ID: <1990Dec22.015315.24141@ims.alaska.edu>
Date: 22 Dec 90 01:53:15 GMT
References: <10534@uhccux.uhcc.Hawaii.Edu> <1990Dec11.163014.1785@lescsse.uucp>
<47524@apple.Apple.COM>
Sender: usenet@ims.alaska.edu (J Random USENET)
Reply-To: ftpam1@acad3.alaska.edu
Organization: University of Alaska Fairbanks
Lines: 19
News-Software: VAX/VMS VNEWS 1.3-4
Nntp-Posting-Host: acad3.alaska.edu

In article <47524@apple.Apple.COM>, winter@Apple.COM (Patty Winter) writes...
>In article <1990Dec11.163014.1785@lescsse.uucp> gamorris@lescsse.uucp (Gary A.
Morris) writes:
>>
>>A new number is assigned for each connect, but it doesn't go into the
>>"confirmed" log if it is a dupe. And if you don't ack the QSL and
>>disconnect packets it is not counted as confirmed.
>
>Actually, the disconnect packet did not have to be ACKed by the ground
>station. (Gary has verified this.)
>
>But the QSO-number packet did have to be ACKed, which presumably kept
>a lot of people out of the log. :-(

Just out of morbid curiosity, what was the highest latitude that the
SAREX was worked from?

Philip Munts N7AHL
NRA Extremist, etc,
University of Alaska (About 64 degress north)

From -2302242380752121569
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d747022946822e29,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 07:57:43 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!UNLVM.BITNET!IANR003
From: IANR003@UNLVM.BITNET (Michael Ruhrdanz)
Newsgroups: rec.ham-radio
Subject: Comments on YEASU FT-757 GX II
Message-ID: <9012220219.AA29048@ucsd.edu>
Date: 22 Dec 90 02:12:53 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet

Lines: 14
Posted: Fri Dec 21 18:12:53 1990

I am interested in purchasing a YEASU FT-757 GX II radio. I like its small size, General coverage receive, and the fact that it comes with AM & FM built in. In addition, I like very much that the SQUELCH control is active in all modes, not just FM.

If anyone is interested in sending me comments concerning this radio, I would appreciate it. In addition, anyone with comments concerning other brand radios with basically the same features in the same price range (about $850) are certainly welcome to voice their opinions.

Thanks in Advance

Michael Ruhrdanz N0FER
IANR003@UNLVM (BITNET) or IANR003@UNLVM.UNL.EDU

From -9132681450390198125
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f188aa81eabdffb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 08:06:02 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!apple!bionet!hayes.ims.alaska.edu!acad3.alaska.edu!ftpam1
From: ftpam1@acad3.alaska.edu (MUNTS PHILLIP A)
Newsgroups: rec.ham-radio
Subject: Class D/E PA's (was Re: Chebychev Filters)
Message-ID: <1990Dec22.023015.25178@ims.alaska.edu>
Date: 22 Dec 90 02:30:15 GMT
References: <41662@ut-emx.uucp> <1250315@hpnmdla.HP.COM>
Sender: usenet@ims.alaska.edu (J Random USENET)
Reply-To: ftpam1@acad3.alaska.edu
Organization: University of Alaska Fairbanks
Lines: 45
News-Software: VAX/VMS VNEWS 1.3-4
Nntp-Posting-Host: acad3.alaska.edu

In article <1250315@hpnmdla.HP.COM>, alanb@hpnmdla.HP.COM (Alan Bloom) writes...
>In rec.ham-radio, kipper@ccwf.cc.utexas.edu (Kip Ingram) writes:
>>Of course, this means that the source must absorb all of the stopband
>>energy. I'm building a QRP transmitter that filters a square wave to
>>get a suitably pure sine wave. That's no problem. But if I add a
>>power amp stage to get more power later, I think this means I should
>>amplify the sine wave rather than the square wave. Because if I
>>amplify the square wave and then filter it, the amplifier output stage will
>>have to absorb the now amplified harmonic energy. Right?
>
>If you feed the square wave directly into the amplifier, you will
>essentially have a "class D" amp. This is more efficient than a class
>C amplifier, but has higher output harmonics. In theory, a class D
>amplifier is 100% efficient. When the output stage is "ON" (zero ohms),

>there is no voltage across it, and thus no power dissipation (P=EI).
>When the output stage is "OFF", there is no current through it, so again
>P=EI=0. In reality, of course, the "ON" resistance is never zero,
>and the switching time is never instantaneous, so the efficiency is
>not 100%. I believe actual efficiency is a strong function of the
>topology of the output filter network.

Class D power amps use push pull or complementary transistor pairs and require only a simple series resonant output filter. A CMOS digital line driver ought to make a nifty Class D QRP final. (I have some drivers on order; if anything interesting comes out of it I will post and maybe write up a magazine article.)

Class E power amps are single ended and require a C-L-C output network with very particular reactance values. I found information on these in a book called "Solid State Radio Engineering". I have played with these using power MOSFET's at 184 kHz and measured 90+ percent efficiency. It is really tough to get fast enough transitions for good efficency at HF.

Consider a AM transmitter that has a Class D or E final and a switching mode modulator. About half the DC in comes out as energy in the sidebands. Now consider a SSB transmitter with a 50 percent efficent linear final. Half its DC in comes out as power in the 1 sideband. The received signal to noise ratio (neglecting QRM) will be the same for any given amount of DC power in. The AM system wins because the transmitter doesn't get hot and the receiver can be simpler. Fidelity is better, too. (This is all at the expense of twice the transmission bandwidth, of course.)

Philip Munts N7AHL
NRA Extremist, etc.
University of Alaska, Fairbanks

From 3485900865630907304
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 08:40:59 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!
ceres.physics.uiowa.edu!zaphod.mps.ohio-state.edu!ncar!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Message-ID: <5904@qip.UUCP>
Date: 22 Dec 90 00:57:16 GMT
References: <1990Dec19.012824.15145@athena.cs.uga.edu> <4482@lib.tmc.edu>
<120@canada.sbi.com>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 15

In article <120@canada.sbi.com> jerrys@canada.sbi.com (Jerry Simonowits) writes:
]For those of us who are not the military type, what is an E-7 or E-7 level ??
]General, Colonel, Major, Captain, Lieutenant, Sergeant, Corporal, Private ??

It is an enlisted rank. In the Navy, E-6 is First Class Petty Officer,
and E-7 is Chief Petty Officer.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From 5641586272136470811
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 08:41:02 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!ncar!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Message-ID: <5903@qip.UUCP>
Date: 22 Dec 90 00:54:47 GMT
References: <18323@shlump.nac.dec.com> <1990Dec19.012824.15145@athena.cs.uga.edu> <4482@lib.tmc.edu>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 22

In article <4482@lib.tmc.edu> jmaynard@thesis1.hsch.utexas.edu (Jay Maynard) writes:
]
]Tell that to KA5ZCK, who's sometimes addressed as Lieutenant Robert M.
]Craig, USNR-R. He's told me a couple of times that he's always looking
]for people to copy code, and was prepared to offer E-6 or E-7 enlistments
](I think...don't hold me to that, but it was in that range) to people who
]could come in with demonstrated code proficiency in the 17-25 WPM range.

Gee... where was he when I enlisted in the Navy. I was an airborne
radio instructor and drawing flight pay for it while only an E-2.
E6 or E7 would have been real nice!

Oh yeah - if I hadn't been a ham, I would never have gotten that fun
air crew position without any rank or military scholling.
I would have been cleaning pots in the galley 14 hours a day. See... there's
an advantage for ham radio (or at least, it was one 23 years ago)!
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

Disclaimer: The opinions expressed here are all my fault, and no one elses.

From 8760904767272704477
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed838f4a02f13743,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 11:01:29 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL Letter 29-Nov-90
Message-ID: <1950@n8emr.UUCP>
Date: 22 Dec 90 04:55:51 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 397

```
==============================================================
|         Relayed from packet radio via                 |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

ARRL Letter Volume 9 Number 24 November 29, 1990 - Page 1 of 5

MEMBERS CHOOSE NEW DIRECTORS

ARRL members in the Northwestern and West Gulf Divisions have voted to send new representatives to the ARRL Board, and in the Hudson Division have returned the incumbent to office for another term. Ballots in these and two other contested elections for 1991-1992 terms of office were counted by the Committee of Tellers November 20 at League Headquarters.

The Northwestern Division race was between Mary Lewis, W7QGP, the present ARRL Section Manager of Western Washington and a past Director of the Divison, and incumbent Bill Shrader, W7QMU. Shrader advanced from the position of Vice Director to Director a year ago following the resignation of Rush Drake, W7RM, for health reasons. Lewis was elected by a margin of 110 votes, 2,382 to 2,272. The incumbent Vice Director, Mary Lou Brown, NM7N, was unopposed for reelection.

In the West Gulf Division, the incumbent Director, Sam Sitton, KV5X, had moved up to that position from Vice Director in January following the election of Jim Haynie, WB5JBP, as an ARRL Vice President. Tom Comstock, N5TC, a past Vice Director, had been appointed to fill the Vice Director vacancy. For the new term, however, Sitton decided to run for Vice Director and was elected without opposition. Comstock ran for Director and was elected over Rik Albury, W5SOQ, by a margin of 2,641 to 1,234.

In the Hudson Division, Director Steve Mendelsohn, WA2DHF, was returned for a third term. In a replay of the 1988 election, Mendelsohn bested Vincent Biancomano, WB2EZG, 2,898 to 1,235. Vice Director Paul Vydareny, WB2VUK, was unopposed for reelection.

The other contests this year were for the Vice Director positions in the Rocky Mountain and Central Divisions.

In the Rocky Mountain Vice Director contest, where the incumbent was not seeking reelection, Bob Scupp, WB5YYX, defeated past Director Lys Carey, K0PGM, by the narrowest margin of the year: 948 to 925. Director Marshall Quiat, AG0X, was reelected without opposition.

In the Central Division, in the only three-way race of the year, incumbent Vice Director Howie Huntington, K9KM, defeated challengers Mike Hoshiko, W9CJW, and Ken Ebneter, K9EN. The three received 2,231, 1,065, and 928 votes respectively. Director Ed Metzger, W9PRN, previously had been declared reelected as the only eligible candidate.

The newly elected League officials take office at noon January 1, 1991, along with the Directors and Vice Directors previously declared elected without opposition in the New England, Roanoke, and Southwestern Divisions.

W1AW TO SHIFT 15 AND 10 M CW FREQUENCIES

Effective January 2, 1991, W1AW will transmit its code practice and CW bulletins on new frequencies in the 15 and 10 meter bands. The change is being made to avoid interference between W1AW and AMTOR operations, which have become very popular near the old frequencies that had been used by W1AW for many years.

The new frequencies will be 21.0675 and 28.0675 MHz, 10 kHz lower than the old frequencies.

HAMS HELP TRACK ANOTHER ALLEGED JAMMER

Another alleged radio jammer has been silenced due in part to the efforts of Amateur Radio operators. On November 6 U.S. marshals and engineers from the FCC's Langhorne, PA field office seized radio equipment, belonging to Ernest Woods, 30, of Norristown, believed to have been used to interfere with Philadelphia-area 2-meter Amateur repeaters, as well as frequencies of the Pennsylvania State Police, the Norristown fire department, and other public service agencies.

Woods could face serious civil and criminal charges as a result. Woods was issued Novice class amateur license KA3WHZ in May 1990 and a Technician license in August.

In late June users of the Telford (PA) Area Repeater Association (TARA) began to experience "persistent and purposeful interference" to their 145.190 MHz repeater. In early August the TARA executive committee and TARA's control operators met to discuss the situation, after the jammer had gotten access, apparently through trial and error, to the repeater's phone patch and speed dial codes.

Concerned for the integrity of the repeater's emergency service codes, TARA on August 8 changed these services to "controlled access," and at the same time began efforts to pinpoint the source of the interfering signal. Standard Amateur fox-hunting techniques soon narrowed the source of the signal to a neighborhood of Norristown, about 20 miles from downtown Philadelphia.

On August 27 a preliminary formal complaint--with tape recordings--was filed by TARA's president with the Engineer in Charge of the FCC field office in Langhorne, PA. Area ARRL and repeater officials were at that time notified of the situation.

On September 2, a team once again tracked "Barney," as they called the jammer, and concluded that additional equipment would be needed to positively identify the specific house from which the signal was being transmitted.

On September 6 a TARA official and one from the Fairview Village 2-meter repeater joined forces, using a Doppler Systems direction finding unit to localize the source of the signal to the same area.

Four days later, a station wss copied interfering with several Pennsylvania State Police channels in the 159-MHz range. A TARA official monitored the police frequencies long enough to confirm to his satisfaction that the interfering operator probably was the TARA repeater jammer.

TARA informed the Pennsylvania State Police of their on- going search for their repeater jammer, and were told the cops had been forced to move to alternate frequencies because of the jammer.

As word spread through various agencies, interference to the state police continued, with Barney telling the troopers to "drop dead" and at one point making a false report of an accident.

By Sept. 12 the FCC had stepped in, to act on complaints both from TARA and from the state police. Engineer-in-Charge John Rahtes asked for TARA's assistance: Rahtes needed a safe house in the immediate neighborhood where his agency could set up equipment to monitor the jammer, identify him, and gather legal evidence.

A vacant third floor apartment was located a half-block from the suspected source of the signal and the FCC installed its equipment, including gear capable of identifying transmitters by their signal signatures. TARA personnel assisted the FCC in monitoring over the next few weeks.

. . . . Continued next part

HAMS HELP TRACK ANOTHER ALLEGED JAMMER - (Continued)

"Barney" feels the heat

Barney at this point apparently became suspicious and for several days curtailed his transmitting.

Additional transmissions were noted on the TARA repeater, and on state police, county radio, and the Norristown Fire Department frequencies, as Barney gradually resumed operations beginning the weekend of Sept. 15-16. FCC engineers meanwhile narrowed the source down to a particular house in the congested area.

For the next two weeks monitoring increased, as efforts began to identify the occupants of the house, which appeared to be divided into apartments. Any search warrant issued would have to be for a specific apartment rather than for the whole building.

At the end of September the U.S. Attorney was presented with evidence gathered up to that time. Montgomery County Communications Chief Dennis Parker and Norristown Fire Department Chief Joe DeDominic were asked to provide evidence they had gathered about interference to their operations and to file formal complaints.

In early October the jamming increased, and included harrassment of the Norristown F.D. on Oct 20, 23, and 26. In one transmission Barney tried to recall several trucks from a fire call. By that time the fire department had filed a formal complaint with the FCC.

On Oct. 19, U.S. marshals and FCC personnel, acting on a search warrant issued by the U.S. Attorney, entered the suspect house. But no radio equipment was found.

Although the raid was a disappointment, the FCC continued its probe. The landlord of the row house next to the house that had been searched told Rahtes that one of his tenants was known to have several radios and antennas in his room at the front of the building. The landlord supplied additional information, such as the tenant's work hours, which seemed to confirm that this individual was indeed the likely suspect.

From the landlord's first floor apartment Rahtes took field strength measurements, and was able to hear Barney operating his equipment through the thin walls of the building.

On Nov 1, the Radio Amateur Civil Emergency Service repeater in Eagleville, PA, reported unauthorized access to its 911 emergency system. RACES net members were being beeped day and night, adding to the FCC's case for securing another search warrant, which soon was issued.

TARA president E.C. "Gene" Pressler, W3ZXV, joined FCC personnel and U.S. marshals to enter the suspect premises. Several pieces of radio equipment were discovered, along with a directional antenna suspended from the ceiling, and other evidence.

Pressler then operated the suspect's equipment as FCC engineers Barry Peahota and Frank Hurst made recordings of the signal, for later signal and voice print analysis comparison with taped jamming transmissions.

Included among the equipment confiscated were two hand-held transceivers, as well as several scanners, most of which were in operation at the time of the search.

At presstime, no charges had yet been filed against Woods.

FCC TWEAKS AMATEUR RULES

The Federal Communications Commission has addressed a number of proposals for changes to its Part 97 Rules for the Amateur Service, in response to petitions by the ARRL as well as several individuals. The Commission's Notice of Proposed Rule Making in Docket 90-561 was released Nov. 16. Here are the highlights:

- The ARRL asked that the terms "telecommand," telemetry," and "space telemetry" be defined in the Rules; FCC agreed. The terms "tactical call sign" and "digipeater" will not be codified.

- ARRL sought an increase in the minimum number of club members necessary to apply for a club station license, from two to four. But the Commission noted that no new club station licenses have been issued for some 13 years and "we do not foresee that we will resume doing so," so the point was moot. The League continues to urge the Commission to resume the issuance of new club station licenses.

- FCC declined a request to amend its Rule that states an Amateur station must be independent of all other radio apparatus installed on a ship or aircraft. The League's argument in this case was that a regulation already is in place prohibiting an Amateur signal from interfering with other apparatus aboard.

- In the matter of prohibition of automatic control of Amateur stations when third party traffic is being handled, the League sought a rules revision to put the responsibility for the content of such traffic on the originating Amateur station. The Commission, however, maintained that traffic content is the responsibility of every station, including those who retransmit communications, and proposed no change.

In a related matter, ARRL sought a clarification of Section 97.109(d), to emphasize that a Commission representative may order an automatically controlled station to shut down because of improper operation or harmful interference only after the alleged offending station has been given the opportunity for a hearing.

FCC denied this, saying that "the control operator must cease automatic control of the station upon notification by an Engineer in Charge that the station is transmitting improperly or causing interference to other stations, and the licensee is not entitled to a hearing before such notification."

* The FCC declined to amend its Rules to permit retransmissions of other services--NOAA weather and DOC propagation broadcasts--saying such transmissions are "routinely available over the air with inexpensive receivers."

* The FCC agreed to amend its Rule regarding compensation of club station operators, lowering the number of simultaneous bands on which bulletins and code practice must be transmitted from ten to six.

* A request to ease the FCC Rules regarding third party communications on behalf of someone holding an Amateur Radio license but not eligible to be a control operator of an FCC- licensed station was denied. The Commission said this had already been considered (in the most recent Rules rewrite) and denied at that time.

* A request by an individual Amateur to require stations to identify at the beginning of communications through a repeater was not included in the proposals, but FCC asked for comments in the matter.

* FCC declined to entertain a change in its Rules to incorporate due-process procedures in cases involving "quiet hours," saying that it was unnecessary.

* In the area of Special Operations, FCC agreed to:

1. Amend its Rules to delete the condition that an auxiliary station can be automatically controlled only when it is part of a repeater system, so that Amateur operators can experiment with new system configurations that use auxiliary links;

2. Expand the permissible types of space telemetry transmissions as requested by the ARRL;

3. Make minor changes in wording, including changing "remote control" to "telecommand."

* The FCC once again refused to change its Rules banning 10-meter power amplifiers, saying the ban "makes our enforcement procedures more efficient and effective."

* A request that persons whose Amateur station or operator license has been revoked or suspended be allowed to qualify as a volunteer examiner after a 10-year period was turned down.

Interested parties may file comments on or before Jan. 31, 1991; reply comments are due by March 4, 1991. Extensions of time are not contemplated, according to the FCC.

NEWS FROM CANADA

- The Canadian Radio Relay League and the Canadian Amateur Radio Federation met Oct. 14 to discuss a merger of the two groups. A draft constitution for a new, single Canadian organization was updated based on comments from boards of directors of the two bodies. The merger committee plans another meeting early in December, and tentative plans were made for the CRRL board and the CARF annual general meeting to be held "in a common location" in June, 1991.

- It may take a massive letter-writing campaign to Canada's Department of Commerce to get the new "Client Procedures Circular" rescinded, according to CRRL. The CPC, which will be published in its entirety in the December issue of QST Canada, is subtitled "Municipal Consultation on Non- Broadcasting Antennas," and is characterized by CRRL as "so poorly crafted that it lends itself to all kinds of interpretations and arbitrary decisions."

- Regarding new (as of Oct. 1) Canadian regulations based on the bandwidth of transmitted signals, that 1200-baud packet operation falls within the 6-kHz maximum bandwidth allowed on 160-12 meters (except 30 meters). CRRL and CARF ask that Amateurs NOT use 1200-baud packet on the HF bands "until the CRRL and CARF form a band planning committee and the matter has been studied."

CONFERENCE HONORS ARMSTRONG

Edwin Howard Armstrong, "the Major," would have been 100 years old this year. The centennial of his birth has spawned a number of projects and retrospectives, the latest of which was a conference held Nov. 16 at Columbia University, his alma mater and where for many years he was a faculty member.

Attending the conference, held at the Columbia Center for Telecommunications and Information Studies in New York City, was ARRL Executive Vice President David Sumner, K1ZZ. Sumner participated in discussions of papers presented at the conference, particularly those concerned with the commercial development of FM (which Armstrong invented) in the U.S.

Maj. Armstrong was widely regarded as having strong roots in Amateur Radio. Although his experimentation as a "ham" predated licensing, Armstrong helped build and operate the Radio Club of America station 1BCG that was the first to be heard by the League's Paul Godley at

Ardrossan, Scotland, in 1921.

It was just this sort of unstructured, "amateur" experimentation that Armstrong carried over into his many technical breakthroughs, which included invention of the regenerative circuit (1912); the superheterodyne (1917); and wide band FM (1933).

Also present at the conference was Thomas Lewis of Skidmore College, who is helping produce the film "Empire of the Air," a PBS documentary about the early days of broadcasting that is scheduled for airing next fall. Lewis is pictured with Bruce Kelley, W2ICE, in the Oct. 19 issue of The ARRL Letter.

PLEASE GO AWAY

Here is the latest list of intruders in our HF bands which the ARRL has asked FCC's Treaty Branch to pursue with other countries as well as our own:

* 1813-1820 kHz, A2A (beacon transmitters);
* 7008, F1 (TTY idling and traffic);
* 14221, R7B/F1B (250/500 Hz shift TTY and Mux);
* 14312, F1 (high speed digital keying, 1 kHz shift);
* 18090, F1 (140 baud encrypted, 500 Hz shift);
* 18095.5, F1 (idling signal, 2 kHz shift);
* 18125, F1 (50 baud, 400 Hz shift, some encryption);
* 18138.5, F1 (140 baud, encrypted).

BRIEFS

* The League's latest move against the reallocation of part of the 220 MHz band to commercial interests was played out in court Nov. 16, when oral arguments were presented by the ARRL as plaintiff and the FCC as defendant, to the U.S. Court of Appeals, D.C. circuit. A panel of three judges heard the arguments and questioned both sides in the request for judicial review. The Court's decision is expected in a few weeks.

* The preliminary position on the 40-meter band contained in the FCC's Second Notice of Inquiry in Docket 89-554 generally was supported at the final 1990 meeting of the FCC WARC-92 Advisory Committee's Informal Working Group No. 1, held in Washington Nov. 8, according to EVP K1ZZ, who attended as a member of the working group. Background on this can be found in the Oct. 5 issue of The ARRL Letter and in Nov. QST.

```
From -1266561884620651498
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 11:10:46 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!cs.utexas.edu!tut.cis.ohio-state.edu!
```

usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <1990Dec22.030620.12198@NCoast.ORG>
Date: 22 Dec 90 03:06:20 GMT
References: <9012192258.AA00358@tilde>
Reply-To: allbery@ncoast.ORG.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 42

As quoted from <9012192258.AA00358@tilde> by dube@cpdvax.csc.ti.com:
+---------------
| memorize. Check it out. Round up 25 ticket-holders and give 'em a
| no-notice exam for their class of license. See how many pass.
+---------------

I would.

+---------------
| CB-ification will have been achieved. Can't happen, you say? Well, they
| said a No-Code Ham license would never happen several years ago. Never say
| Never.
+---------------

The theory is still relevant. Show me that Morse code is absolutely essential knowledge in order to be able to operate *all* amateur modes and I will concede the point.

The theory should not only be retained --- it should be enhanced. Updated to reflect the "leading-edge" we're SUPPOSED to be on. Made even more relevant. And the ancient CW requirement should really become a series of endorsements for *all* amateur modes: the existing CW exams, low-speed HF/VHF packet, high-speed packet, SSB, FM, SSTV, ATV, RTTY, AMTOR, SS, ... License upgrades would be based on earning a certain number of endorsements, e.g. Novice requires one endorsement, Tech two, General four, Advanced six, Extra eight. (Example only, the actual endorsements and requirements should be set by the FCC and ARRL or etc. working together.) Frequency privileges would be based on band plans and endorsements: someone with HF/VHF packet would be permitted to operate packet in the frequency ranges usually used for such, etc. Such frequency privileges and other limitations would also be based on the theory exam, so that e.g. you still need Tech theory to use high power on VHF and General theory to use it on HF, etc.

I *still* don't expect to see it happen. But I can hope. It's time amateur radio came out of the 1920s or thereabouts, don't you think?

++Brandon
--
Me: Brandon S. Allbery   VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG   Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR   AMPR: KB8JRR.AmPR.ORG [44.70.4.88]

uunet!usenet.ins.cwru.edu!ncoast!allbery   Delphi: ALLBERY

From 7170794853513232237
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,822014fa21599fe2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 11:10:48 PST
Path: gmdzi!unido!mcsun!uunet!olivea!samsung!cs.utexas.edu!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: Name of new TECHNICIAN LICENSE
Message-ID: <1990Dec22.031735.12308@NCoast.ORG>
Date: 22 Dec 90 03:17:35 GMT
References: <1990Dec17.232725.23542@cbnewsj.att.com> <58130006@hpcupt1.cup.hp.com> <630@chiton.ucsd.edu>
Reply-To: allbery@ncoast.ORG.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 25

Another "Amateur radio is CW and vice versa" posting by rec@chiton.ucsd.edu
(Richard Currier):
+---------------
| Unfortunately this is not true. If you don't operate CW, build CW rigs, talk
| to DX OPs that run CW you can't know what is going on out there. You don't know
+---------------

If you don't operate SSTV, build SSTV rigs, talk to DX OPs that run SSTV you
can't know what's going on out there. You don't know what you are missing....

C'mon, already. Your so-called argument is equally applicable to all other
amateur modes, so it doesn't prove that CW is the GOD MODE.

And yes, I *have* heard liddishness on CW. Less than I've heard on HF SSB,
but more than I've heard on packet. I should thereby conclude that packet is
the best mode?

Would you please stop kidding yourself and recognize that CW is *one* mode of
many, not the Lord Highest God Of All Radio Modes Now And Forever, Amen?

++Brandon
--
Me: Brandon S. Allbery   VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG   Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR   AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery   Delphi: ALLBERY

From -3503936101361627319
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,329fbd206c296b9c

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 11:11:00 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: There is *NO* 'Phone-only' segment....
Message-ID: <1990Dec22.033836.12930@NCoast.ORG>
Date: 22 Dec 90 03:38:36 GMT
References: <20.Dec.90.18:00:27.GMT.#4319@UK.AC.NWL.IA>
Reply-To: allbery@ncoast.ORG.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 19

As quoted from <20.Dec.90.18:00:27.GMT.#4319@UK.AC.NWL.IA> by PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon"):
+---------------
| Christopher.Boone@ucsd.edu says:
| >>Restrictions or not they are CW only subbands as per Part 97....Your answer
| ^Remember^!! part 97 is USA FCC rules; they do not apply to us in Europe. We
+---------------

We know it quite well; why are you bringing this up? Perhaps what you're really trying to say is that these articles should be restricted to distribution "usa"; don't assume that we're all deliberately snubbing the rest of the world. There's quite enough *real* liddishness in this newsgroup at present without adding *imaginary* liddishness to the total....

++Brandon
--
Me: Brandon S. Allbery   VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG   Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR   AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery   Delphi: ALLBERY

From -5188548751677716464
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,715f78a4e2c7dfd5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 11:11:08 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: Codeless question pool?
Message-ID: <1990Dec22.035644.13870@NCoast.ORG>
Date: 22 Dec 90 03:56:44 GMT
References: <9012182135.AA25642@hls.com> <692@wells.UUCP> <49@bootsie.UUCP>
Reply-To: allbery@ncoast.ORG.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)

Lines: 27

As quoted from <49@bootsie.UUCP> by olson@bootsie.UUCP (Eric Olson):
+---------------
| I'm confused. Forgive me if this is a dumb question.
|
| The question list I have has elements 2A,B,C,D,E,F,G,H,I;
| 3A,B,C,D,E,F,G,H,I; etc. I see references to Novice being
| element 2, and the codeless tech being 3A, or 3A and 3B.
+---------------

The tests themselves are Elements 2 (Novice), 3A (Tech), 3B (General), 4A (Advanced), 4B (Extra). Each test has a specific number of questions drawn from each section of the appropriate Question Pool.

The Question Pools' sections are *also* labeled; it is those labels you are looking at. A given question is identified by the test, question pool section and subsection, and question number within the subsection. Thus, we have question labels like "4AD-6.1", indicating test 4A (Advanced theory), section D, subsection 6, question 1. By and large, the questions in a given subsection are all rephrasings/reverse presentations/etc. of the same basic point of theory or law.

++Brandon

```
--
Me: Brandon S. Allbery              VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR              AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

From 6569451095765198617
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea5c6ad8072235f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 11:11:39 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: No-code: Cease Fire
Summary: ARRL is still shooting
Message-ID: <1990Dec22.140812.24792@athena.cs.uga.edu>
Date: 22 Dec 90 14:08:12 GMT
References: <27080045@col.hp.com>
Organization: University of Georgia, Athens
Lines: 7

I wish it were possible to end the debate now, but the president of the ARRL is talking about petitioning the FCC to reconsider, and reduce the privileges of the no-code Technicians. (Apparently, there is a 30-day period after any decision during which petitions for reconsideration can be submitted.)

Write to the ARRL (don't just flame here!) if you object to this.

From -8006474249782040514
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,608fae1f97b833f6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 11:11:46 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!att!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: Code/No-code Tech Call Formats
Message-ID: <1990Dec22.140946.24871@athena.cs.uga.edu>
Date: 22 Dec 90 14:09:46 GMT
References: <2190005@hplvec.LVLD.HP.COM>
Organization: University of Georgia, Athens
Lines: 11

The FCC has not announced any change in callsign format. The new license will be a Technician license and will have the same kind of callsign that Technician does now.

Two other things may cause confusion:

(1) The original proposal was for a new class called Communicator with 2x3 calls.

(2) In areas 4 and 6, all the 1x3 calls are used up and even Generals (as well as Technicians) now get 2x3 calls.

From -8790970364992437111
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3da65fbd6bdecf84,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 11:16:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes 12/21/90
Message-ID: <1949@n8emr.UUCP>
Date: 22 Dec 90 04:53:33 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 186

```
==============================================================
|         Relayed from packet radio via                      |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ ALLBBS $RTDX1221
RTTY DX Notes 1of3 12/21/90

RTTY DX Notes for week ending 21st December 1990
BID: $RTDX1221
Part 1 of 3.

```
WITH CHRISTMAS JUST          I            A FEW DAYS AWAY
THERE ARE MANY THINGS       XXX           WE WOULD LIKE TO SAY
LIKE A MERRY CHRISTMAS     XXXXX          AND ALL THAT STUFF
AND LOTS OF TURKEY        XXXXXXX         AND PLUM DUFF
ALSO THE BEST DX         XXXXXXXXX        THAT IS REALLY RARE
SO THAT EVEN YOUR       XXXXXXXXXXX       FRIENDS WILL STOP AND STARE
BUT AS YOU ARE A DXER  XXXXXXXXXXXXX      FROM DAYS OF YORE
YOU WONT SHOW THEM    XXXXXXXXXXXXXXX     THE LINEAR BEHIND THE DOOR
A MERRY CHRISTMAS    XXXXXXXXXXXXXXXXX    TO YOU ALL
AND HOPE THAT IN    XXXXXXXXXXXXXXXXXXX   91 YOU HAVE A BALL
                           XXX
                           XXX
                         ---------
                         I       I
                         I       I
WHO WRITES THIS STUFF    I       I  FOR DX1, ITS NOT SHELLY
                         ---------  OR BYRON THATS  FOR SURE.
```

After all that, all I can say that the bands were not good this past week.

Our thanks this week go to DJ3IW and the Saar-Pfalz-DX-Club Packet Cluster, G3XTL, I5FLN, I5ICY, I5IGQ, JA1BLV, OD5NG, TG9VT, VE3OCX, VK2EG, W2JGR and the Tri-State DX Packet Cluster Network and W2UP. Thank you all for your news and a Merry XMAS to one and all.

Bandpass:

Friday 14:

VU2SJV	14088	at	0148Z	
NH7/KD7P	14091	at	0153Z	QSL
RH8AX	14080	at	0621Z	QSL
V73BN	14087	at	1025Z	
KV4JC	14089	at	2046Z	ARQ
VE8RCS	14084	at	2304Z	Note

Saturday 15:

V73BN	28079	at	0024Z
FO5EM	21090	at	0031Z
VE8RCS	14088	at	0231Z
V51P	21084	at	0616Z

```
NP2CT       21074  at  1218Z  ARQ
UL7LR       14088  at  1224Z
RA3AL       14086  at  1237Z
EA8AVV      21086  at  1249Z
UW3QW       21084  at  1316Z
NH7/KD7P    28080  at  2139Z

Continued in part 2.
/EX
SB RTTYDX @ ALLBBS $RTDX1221A
RTTY DX Notes 2of3  12/21/90

RTTY DX Notes for week ending 21st December 1990
BID: $RTDX1221A
Part 2 of 3.


Sunday 16:
VE8RCS      14087  at  0010Z
N4WFN/C6A   14078  at  0112Z  QSL
HP1XZD      14068  at  0400Z  ARQ/QSL
UW1ZU       14090  at  0535Z
FO5ED       21082  at  0752Z  QSL
KP4ANG      14088  at  1011Z
UC2OCJ      28087  at  1358Z
J73WA       28082  at  1407Z
UO5OC       28084  at  1409Z  QSL
UZ3AXJ      28086  at  1439Z
ZS9Z        28090  at  1800Z
TU2OP       21090  at  2250Z
V73BN       28086  at  2325Z

Monday 17:
UW3AT       28086  at  1415Z
RB5QV       28085  at  1444Z
ZS9Z        28090  at  2222Z
NH7/KD7P    21085  at  2323Z

Tuesday 18:
VE8RCS      14091  at  0248Z
NP2DI       14068  at  0340Z  ARQ
RH8AX       14092  at  0536Z
UI9ABV      14090  at  0537Z
UA9KG       14086  at  0541Z
UL8LC       14087  at  1245Z
TU2OP       28090  at  1350Z
4X6UO       28090  at  1355Z  Note
KL7FIR      21077  at  2341Z

Wednesday 19:
UW0LZ       21089  at  0053Z
VE8RCS      14090  at  0215Z
UL7LR       14084  at  0610Z
```

UH8ABM   14082 at 0618Z
FW1FM   14078 at 0745Z
UC2OCJ   28088 at 1427Z
VP2EHF   14085 at 1921Z

Thursday 20:
VP2EE   14081 at 0217Z QSL
NH7/KD7P   14084 at 0340Z
UM8NG   14090 at 0411Z
UL7LR   14086 at 0413Z

QSL Information:

NH7/KD7P says to QSL via KA2XX.

RH8AX is A.R. Yagmurd, Box 414, Ashkhabad 8, 744008 USSR.

UO5OC is at Box 45, Kishinev, 277012, Moldavia.

Continued in part 3.
/EX
SB RTTYDX @ ALLBBS $RTDX1221B
RTTY DX Notes 3of3 12/21/90

RTTY DX Notes for week ending 21st December 1990
BID: $RTDX1221B
Part 3 of 3.

HP1XZD receives his cards via Panatronics S.A., Attn Bill Draper,
Box 2016, Balboa, Panama.

N4WFM/C6A says to QSL to Jeanie Duff, P.o. Box 40842, Reno, NV
89504-4942 USA.

FO5ED lives in Box 1746, Papeete, Tahiti.

VP2EE will QSL via KA3DBN, John L. Rouse, 2703 Bartlett Lane,
Bowie, MD 20715-3911 USA.

Notes of Interest:

PA3DUU will operate from Morokulien signing LG5LG (on the Swedish/Norway border. Yes we have put him back where he belongs. Thanks, Jules) from December 22nd until 29th. QSL to LA5DFA. There is no DXCC status for this place.

3W3RR will sign YA0RR from January 1st for a three week period. He will operate RTTY for 10 of those days and will QSL via DIMA, UT5RP. Romeo says that Spratley has been delayed until later due to the Afghanastan operation. Send any donations to NT2X, Edward

Kritsky, P.O. Box 300715, Brooklyn, NY 11230-0010.

HA9RE and HA8XX will tour the South Pacific for the next 6 or 8 weeks
and will call at Chatham Island, Raratonga and Nuie Islands during
their itinerary. QSL via DJ1ND.

4X6UO says that from 30th December for 2 months 4Z80TA will celebrate
the 80th anniversary of the municipality of Tel Aviv.

We might as well put VE8RCS back in their right place on Ellismere
Island, which is more than 40km from the North Pole (geographically or
magnetic). But at least VE8XU is in Zone 1 (Thanks again Jules, I do
try to be perfect, but don't always succeed).

A Merry XMAS to you all. Don't eat too much.

GL DE DX1 (VK2SG).

Written by VK2SG. Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA.
Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.
/EX

From 5112320201725228891
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10cfc2c9d120d5f3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,10cfc2c9d120d5f3
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-22 11:36:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio,news.groups
Subject: Re: Call for Discussion, pass two: reorganization of rec.ham-radio.*
Keywords: rec.ham-radio, reorganization
Message-ID: <Tc0ku3w163w@phoenix.com>
Date: 22 Dec 90 16:08:28 GMT
References: <1990Dec21.161902.759@eci386.uucp>
Organization: One Man Brand
Lines: 55
Xref: gmdzi rec.ham-radio:18368 news.groups:23837

woods@eci386.uucp (Greg A. Woods) writes:

> In article <4101@osc.COM> jgk@osc.COM (Joe Keane) writes:
> > I don't know about replacing `ham' with `amateur'. I think most people wou
> > call themselves `hams' and not `amateurs'. Besides, `ham' is easier to typ
> > Basically, it doesn't seem to me like there's a good enough reason to chang
> > it from what it was. But i don't think it makes a big difference either wa
>
> EXCUSE ME?!?!? What do you think computers and fancy user interfaces

> are for? Even if I did have to type some long drawn-out newsgroup
> name, I'd probably just cut-and-paste it on my DMD with the mouse!

Fancy user interfaces are for those who want to spend the extra money to buy the extra CPU power to run them. Some of us want our CPU's working on the problem at hand and not figuring out how to shade that button to make it look 3-d. Some of us understand the DELETE command, and don't need cute little pictures of wastebaskets. Some of those cute little pictures are so cute they don't convey any information at all, until you know what they are. If you have to learn what the picture means, why not just learn the command?

> My Canadian Radio License says "AMATEUR".

My U.S. one says Amateur, too. So what?

> I don't use the term (unless it slips out when I'm in
> conversation with others using it),

I don't use the term unless I use the term, either.

> and I don't like it.

I don't like the generic classification as amateur. When I do things, I don't try to do them in less than a professional manner.

> In the real world
> it is just as easy to type, write, and say "amateur".

Three letters are easier to type than 6 (different ones). Three letters are easier to write than 7. "Ham" is written as it is pronounced. "Amateur" has one of those odd spellings you need to memorize. Lessee -- amature? Amatur? Amatchur? Ham. Ham. Ham.

> It's a slang term
> (definition #4 in Webster's), and I've no objection to it being used
> as such in everyday speech.

At least "ham" HAS a radio definition, instead of the negative definition of the word "amateur" which completely ignores the radio usage.

> In my opinion anyone using it in written
> form, especially in more formal writing, is debasing themselves.

Is this another guideline for USEnet? USEnet is formal writing? Do you complain about the usage of "rec" for "recreation", and "biz" for "business"?

From 2267127524027882410
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae03eb2f584ec028
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 11:41:25 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!BLACKBIRD.AFIT.AF.MIL!

tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9012221845.AA16769@blackbird.afit.af.mil>
Date: 22 Dec 90 18:45:14 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 453

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #788 -
Alouette 1
1 00424U 62B-A  1 90352.80331432  .00000264  00000-0  30536-3 0  3775
2 00424  80.4619 104.0608 0022994 156.1277 204.0945 13.67430378407922
ATS 3
1 03029U 67111  A 90352.10687973 -.00000074  00000-0  99999-4 0  4840
2 03029  13.4163  19.5648 0021501 268.8319  90.9266  1.00272537 84633
Cosmos 398
1 04966U 71 16  A 90355.51066788  .00089167  18809-4  43410-3 0  3050
2 04966  51.5079 118.2277 2147585 148.4718 226.4971 11.33527152612669
Starlette
1 07646U 75010  A 90350.85556824  .00000026  00000-0  68097-4 0  1800
2 07646  49.8187 157.7075 0206179  74.7736 287.5852 13.82148254801041
LAGEOS
1 08820U 76039  A 90346.30956614  .00000005  00000-0  00000 0 0  1759
2 08820 109.8596  56.1451 0044578 200.6667 159.2315  6.38664405 85310
GOES 2
1 10061U 77048  A 90351.09889602 -.00000258  00000-0  99999-4 0  5333
2 10061   8.4948  61.4706 0003644  19.7082 340.1776  1.00262251 50845
IUE
1 10637U 78012  A 90350.23726702 -.00000184  00000-0  99999-4 0  1839
2 10637  32.5925 116.0102 1420818 358.2053   1.1859  1.00250513  8285
GPS-0001
1 10684U 78020  A 90349.43162609  .00000005  00000-0  99999-4 0  5824
2 10684  63.8075  83.9537 0123869 198.1233 161.4348  2.00554936 79480
GPS-0002
1 10893U 78 47  A 90351.41660139 -.00000023  00000-0  00000 0 0  2881
2 10893  64.3049 324.7324 0168491  23.7331 337.0538  2.00538695 92347
GOES 3
1 10953U 78062  A 90351.42284194  .00000114  00000-0  99999-4 0   191
2 10953   7.3479  64.5010 0007705 113.9928 245.7487  1.00282507  6758
SeaSat 1
1 10967U 78064  A 90350.01580360  .00001404  00000-0  52417-3 0  4398
2 10967 108.0205 335.5345 0002705 266.8997  93.1838 14.36080363652559
GPS-0003
```

```
1 11054U 78093  A 90350.18223514 -.00000022  00000-0  00000 0 0  3348
2 11054  63.8278 320.9631 0060351 119.7723 240.8197  2.00570328 89337
Nimbus 7
1 11080U 78098  A 90346.22308104  .00000123  00000-0  14122-3 0  7250
2 11080  99.1791 246.9712 0008969 332.1845  27.8873 13.83481953612657
GPS-0004
1 11141U 78112  A 90348.30102877  .00000005  00000-0  00000 0 0   905
2 11141  63.8367  83.8647 0059980 313.1700  46.1798  2.00549254 87994
GPS-0005
1 11690U 80 11  A 90345.44968574  .00000006  00000-0  00000 0 0   801
2 11690  64.2799  86.1534 0120552 202.2812 157.1890  2.00553594 93797
GPS-0006
1 11783U 80 32  A 90349.24303083 -.00000022  00000-0  99999-4 0  3056
2 11783  63.6250 320.5179 0149019  60.4811 300.9719  2.00561628 77952
GOES 5
1 12472U 81049  A 90351.30939582  .00000068  00000-0  99999-4 0   214
2 12472   3.9307  73.4350 0001352 233.8209 125.7972  1.00213780 34068
SME
1 12887U 81100  A 90353.65368636  .00109803  00000-0  76578-3 0    98
2 12887  97.6028  54.6544 0003589  14.2139 345.8870 15.73992987510183
Salyut 7
1 13138U 82 33  A 90354.84629727  .00165397  00000-0  45852-3 0  6870
2 13138  51.5956  64.1476 0002759 343.9839  16.0718 15.92826863494267
Cosmos 1383
1 13301U 82 66  A 90353.97354722  .00000115  00000-0  12442-3 0  6797
2 13301  82.9315 164.6154 0028569  11.5223 348.6581 13.67867005423073
LandSat 4
1 13367U 82 72  A 90354.01385666  .00000868  00000-0  20252-3 0  6134
2 13367  98.1430  52.6535 0002545 285.8629  74.2289 14.57163070448360
IRAS
1 13777U 83  4  A 90354.53724543  .00000111  00000-0  10121-3 0  8826
2 13777  99.0126 188.3736 0012385 229.7150 130.3008 13.98850273 72993
Cosmos 1447
1 13916U 83 21  A 90351.69625389  .00000139  00000-0  13591-3 0  7735
2 13916  82.9445 236.3824 0038864 350.9205   9.1236 13.74085289387876
TDRS 1
1 13969U 83 26  B 90350.41693733  .00000128  00000-0  99999-4 0  2094
2 13969   4.9008  64.3221 0002754 194.8116 164.9084  1.00275751  1176
GOES 6
1 14050U 83 41  A 90353.89999998  .00000120  00000-0  99999-4 0  3408
2 14050   2.7120  75.5070 0001040 337.1900 223.2830  1.00269141    00
OSCAR 10
1 14129U 83 58  B 90350.69129562 -.00000017  00000-0  00000 0 0  6285
2 14129  25.9345 170.0542 5965026 201.0448 117.0955  2.05880593 28499
GPS-0008
1 14189U 83 72  A 90350.67128587  .00000004  00000-0  99999-4 0  8806
2 14189  63.4541  82.1513 0145136 222.5675 136.3128  2.00569341 54426
LandSat 5
1 14780U 84 21  A 90354.25041481 -.00000722  00000-0 -15529-3 0  4646
2 14780  98.2632  51.5021 0000249 257.3420 102.7762 14.57077585361817
UoSat 2
1 14781U 84 21  B 90351.59321560  .00001964  00000-0  36644-3 0  8912
2 14781  97.9277  37.9697 0013407  29.9465 330.2512 14.65985292362834
```

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GPS-0009
1 15039U 84 59  A 90350.34465744  .00000004  00000-0  00000 0 0  1364
2 15039  63.1949  81.2965 0025833 224.1480 135.6585  2.00567005 47699
Cosmos 1574
1 15055U 84 62  A 90352.30799074  .00000149  00000-0  14824-3 0   126
2 15055  82.9560 286.5700 0027140 167.5217 192.6615 13.73397766325348
GPS-0010
1 15271U 84 97  A 90350.78645800 -.00000022  00000-0  00000 0 0  9825
2 15271  63.1228 319.9429 0110796 329.2812  30.0599  2.00561815 44819
Cosmos 1602
1 15331U 84105  A 90353.57444277  .00002902  00000-0  38799-3 0  4437
2 15331  82.5383 188.9833 0024565  84.0128 276.3804 14.79012669335487
NOAA 9
1 15427U 84123  A 90354.25666700  .00000450  00000-0  26360-3 0  6851
2 15427  99.1715 358.4840 0014640 203.8599 156.1892 14.12760160310257
Cosmos 1686
1 16095U 85 86  A 90355.15994800  .00184645  00000-0  50718-3 0  8650
2 16095  51.5899  62.4902 0003576 341.8064  18.0647 15.92948925494311
GPS-0011
1 16129U 85 93  A 90350.50621675  .00000005  00000-0  00000 0 0  6927
2 16129  63.9654  82.4112 0125317 148.2321 212.5498  2.00563866 38011
Mir
1 16609U 86 17  A 90355.37401159  .00027111  00000-0  32112-3 0  1554
2 16609  51.6100 107.7470 0024600  30.8908 329.1368 15.60672807277339
SPOT 1
1 16613U 86 19  A 90351.62331914  .00000642  00000-0  32009-3 0  1988
2 16613  98.7170  63.5257 0001621  52.6675 307.4750 14.20019644 89969
Cosmos 1766
1 16881U 86 55  A 90354.71639607  .00003849  00000-0  52156-3 0  2548
2 16881  82.5197 246.7418 0021688  90.5758 269.7699 14.78569913236708
EGP
1 16908U 86 61  A 90350.39529066 -.00000063  00000-0 -17230-3 0  3285
2 16908  50.0115  55.8411 0011175 299.5346  60.4374 12.44390206197546
NOAA 10
1 16969U 86 73  A 90352.26332426  .00000547  00000-0  25562-3 0  5313
2 16969  98.5835  15.9585 0014428  93.9700 266.3130 14.23831739220805
MOS-1
1 17527U 87 18  A 90345.24446846  .00000103  00000-0  90146-4 0  7272
2 17527  99.0934  55.3746 0000730  66.5388 293.5849 13.94876781193944
GOES 7
1 17561U 87 22  A 90352.05896444 -.00000046  00000-0  99999-4 0  6951
2 17561   0.0221 136.7646 0001866 258.7755 324.5254  1.00273451  7410
Kvant-1
1 17845U 87 30  A 90354.92577994  .00055960  00000-0  65387-3 0  4190
2 17845  51.6112 109.9999 0025191  27.9488 332.0582 15.60650587211993
DMSP B5D2-3
1 18123U 87 53  A 90354.20626543  .00000173  00000-0  99999-4 0  8042
2 18123  98.8112 182.3036 0014424 210.5166 149.5173 14.14256972180690
RS-10/11
1 18129U 87 54  A 90354.91882127  .00000180  00000-0  18611-3 0  4662
2 18129  82.9243 190.5624 0011124 327.3477  32.6984 13.72131538175054
Meteor 2-16
1 18312U 87 68  A 90353.44524949  .00000219  00000-0  18868-3 0  5885
```

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2 18312  82.5551 143.4683 0013684  92.4604 267.8122 13.83708636168603
Meteor 2-17
1 18820U 88  5  A 90346.64529578  .00000180  00000-0  15126-3 0  4372
2 18820  82.5437 208.5845 0015938 179.5016 180.6164 13.84402040144873
DMSP B5D2-4
1 18822U 88  6  A 90354.22963124  .00000197  00000-0  10665-3 0  7483
2 18822  98.6178 229.1574 0007650  92.7955 267.4095 14.21674821149257
Glonass 34
1 19163U 88 43  A 90351.62661883  .00000020  00000-0  99999-4 0  1107
2 19163  64.9161 152.9928 0007257 180.8304 179.1606  2.13102433 20056
Glonass 36
1 19165U 88 43  C 90352.15288354  .00000020  00000-0  00000 0 0  1140
2 19165  64.9008 152.9775 0003530 351.9876   7.9976  2.13102744 20067
AO-13
1 19216U 88 51  B 90350.40377437 -.00000209  00000-0  99999-4 0  2267
2 19216  56.8563 120.5684 7087146 242.6692  30.6150  2.09704934 19221
OKEAN 1
1 19274U 88 56  A 90350.05124154  .00002584  00000-0  35572-3 0   152
2 19274  82.5153 349.7960 0019936 246.5961 113.3982 14.77797002131778
Meteor 3-2
1 19336U 88 64  A 90353.87553819  .00000024  00000-0  47898-4 0  6896
2 19336  82.5405 146.0640 0016120 208.2132 151.8117 13.16907133115394
Glonass 39
1 19503U 88 85  C 90352.64186981 -.00000017  00000-0  99999-4 0   257
2 19503  65.3986  32.3859 0006493 199.9077 160.1416  2.13103565 17565
NOAA 11
1 19531U 88 89  A 90355.27668776  .00000640  00000-0  37094-3 0  4387
2 19531  99.0076 304.0223 0012957 115.5476 244.7046 14.11835366115360
TDRS 2
1 19548U 88 91  B 90349.25208042  .00000114  00000-0  99999-4 0  2247
2 19548   0.5730  82.2116 0002296 184.5850  93.2087  1.00276387  2076
Glonass 40
1 19749U 89  1  A 90352.21360434  .00000020  00000-0  99999-4 0  8114
2 19749  64.8599 152.6452 0004785 271.6414  88.2933  2.13102113 15088
Glonass 41
1 19750U 89  1  B 90352.74107939  .00000020  00000-0  99999-4 0  8663
2 19750  64.8794 152.6462 0004606 242.3982 117.5293  2.13102194 15090
GPS BII-01
1 19802U 89 13  A 90350.38029847  .00000017  00000-0  99999-4 0  2281
2 19802  55.0450 190.2251 0052192 161.1231 199.1398  2.00553388 13407
Akebono
1 19822U 89 16  A 90352.51779980  .00022737  00000-0  16332-2 0  8651
2 19822  75.0751 147.9475 4127758 103.3638 304.8372  7.19324534 13014
Meteor 2-18
1 19851U 89 18  A 90353.74857257  .00000191  00000-0  16196-3 0  3895
2 19851  82.5208  80.6270 0013756 199.3401 160.7250 13.84038205 91233
MOP-1
1 19876U 89 20  B 90342.78692450  .00000020  00000-0  99999-4 0  1723
2 19876   0.1143 342.7313 0003904 227.1900 150.0622  1.00272933  2412
TDRS 3
1 19883U 89 21  B 90347.88420365 -.00000235  00000-0  99999-4 0  2238
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GPS BII-02
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Nadezhda 1
1 20103U 89 50  A 90352.89874863  .00000129  00000-0  12632-3 0  2868
2 20103  82.9618 148.8512 0036273 244.6374 115.1027 13.73632524 73072
GPS BII-03
1 20185U 89 64  A 90350.05472694  .00000016  00000-0  99999-4 0  1726
2 20185  54.9002 191.0630 0021894 161.1624 198.9908  2.00573506  9712
GPS BII-04
1 20302U          90304.15728615 -.00000046          -68427+2 0  1700
2 20302  54.5417 311.5245 0033626 314.8971  44.9144  2.00365710  7590
Meteor 3-3
1 20305U 89 86  A 90353.66936902  .00000289  00000-0  74688-3 0  2899
2 20305  82.5540  87.1994 0015240 223.6433 136.3442 13.15872604 55346
COBE
1 20322U 89 89  A 90354.00327509  .00000332  00000-0  23668-3 0  2359
2 20322  99.0215   2.5171 0008498 209.2957 150.7726 14.02936691 55544
Kvant-2
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2 20335  51.6132 109.9945 0025987  29.5619 330.3168 15.60654789 60925
GPS BII-05
1 20361U 89 97  A 90350.59711931  .00000014  00000-0  99999-4 0  1231
2 20361  55.0071 133.1209 0064560  57.5897 302.9975  2.00584011  7387
SPOT 2
1 20436U 90  5  A 90350.95412003 -.00001783  00000-0 -83010-3 0  4407
2 20436  98.7185  62.9394 0001044 122.2631 237.7945 14.20014615 46689
UO-14
1 20437U 90  5  B 90354.74257452  .00000548  00000-0  23332-3 0  2847
2 20437  98.6880  70.1793 0011736 333.4314  26.6262 14.28824107 47500
UO-15
1 20438U 90  5  C 90350.25085406  .00000368  00000-0  16297-3 0  1782
2 20438  98.6896  65.6488 0010519 346.7995  13.2922 14.28500605 46854
PACSAT
1 20439U 90  5  D 90353.38867939  .00000545  00000-0  23183-3 0  1823
2 20439  98.6908  69.0461 0011267 338.6830  21.3866 14.28920517 47314
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LO-19
1 20442U 90  5  G 90349.97899473  .00000520  00000-0  22088-3 0  1821
2 20442  98.6915  65.7509 0012420 348.5551  11.5368 14.29126182 46835
GPS BII-06
1 20452U 90  8  A 90344.99822085  .00000003  00000-0  99999-4 0  1425
2 20452  54.4611 248.7769 0054127  53.8409 306.7061  2.00659598  6392
MOS-1B
1 20478U 90 13  A 90345.63441926  .00001015  00000-0  78171-3 0  4775
2 20478  99.1726  54.9448 0000370  84.6917 275.4290 13.94854600 42876
DEBUT
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2 20479  99.0203   4.4150 0541102 350.0209   9.0471 12.83166031 40447
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MOS-1B R/B
1 20491U 90 13  D 90352.52633576  .00000503  00000-0  99446-3 0  1833
2 20491  99.0168  12.9069 0470342 319.3159  37.3700 13.02764912 40402
LACE
1 20496U 90 15  A 90353.46555853  .00006109  00000-0  34974-3 0  3694
2 20496  43.0966  23.0154 0015618  69.1777 291.0577 15.13186669 46641
RME
1 20497U 90 15  B 90353.99240575  .00015286  00000-0  36548-3 0  4208
2 20497  43.1087 312.4765 0017554 123.4752 236.7676 15.41131682 47450
Nadezhda 2
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2 20508  82.9563 285.6127 0043715 197.5380 162.4249 13.73253082 40000
OKEAN 2
1 20510U 90 18  A 90349.91698653  .00003301  00000-0  49906-3 0  3888
2 20510  82.5254 290.2753 0021298  48.5276 311.8992 14.73862248 42833
INTELSAT-6
1 20523U 90 21  A 90353.77408681 -.00001759  00000-0 -13341-3 0  4168
2 20523  28.3380 126.9903 0014695   8.4039 351.6655 15.03146436 42399
GPS BII-07
1 20533U 90 25  A 90294.05687607 -.00000033  00000-0  00000 0 0   630
2 20533  55.1450  10.8449 0034235 102.6965 257.7562  2.00556242  4124
PegSat
1 20546U 90 28  A 90355.30673568  .00012111  00000-0  69675-3 0  3701
2 20546  94.1359 314.7457 0143863  18.9924 341.6561 15.04032147 38171
HST
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2 20580  28.4690 147.7261 0005643 253.5584 106.4305 14.85754481 35592
Glonass 44
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2 20619  64.9918  32.5936 0024195 216.2934 143.6227  2.13103188  4571
Glonass 45
1 20620U 90 45  B 90353.17125278 -.00000017  00000-0  99999-4 0  3207
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Glonass 46
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Kristall
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ROSAT
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2 20638  52.9897 300.7248 0015767 172.6251 187.4839 14.99059029 30297
Meteor 2-19
1 20670U 90 57  A 90346.52237027  .00000126  00000-0  10458-3 0  1369
2 20670  82.5429 147.1101 0015584 142.7369 217.4868 13.83882803 23181
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1 20712U          90353.04941429  .00001555  00000-0  14955-2 0   820
2 20712  18.2700 347.3922 7125572 310.9781   6.2510  2.43654977  3587
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1 20724U 90 68  A 90350.74362104  .00000016  00000-0  99999-4 0   742
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2 20724  54.7117 188.9765 0096409 119.5566 241.5139  2.00563598  2709
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Meteor 2-20
1 20826U 90 86  A 90349.27714617  .00000336  00000-0  29684-3 0   873
2 20826  82.5265  84.1586 0014383  39.8701 320.3509 13.83249439 10781
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1 20830U 90 88  A 90333.82972091  .00000013  00000-0  99999-4 0   752
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SATCOM I
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2 20945   0.1079 253.0320 0000898  41.2478  65.7238  1.00269997    65
GSTAR IV
1 20946U 90100  B 90346.12374931  .00000065  00000-0  99999-4 0   107
2 20946   0.0232 142.7486 0001149 335.0688 242.2632  1.00267950    67
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1 20947U 90100  C 90351.11625523  .00008437  00000-0  36631-2 0   146
2 20947   7.1668 209.6156 7280954 199.8632 101.3684  2.26996070   581
1990 100D
1 20948U 90100  D 90342.75344821  .00233140  00000-0  37640-1 0   103
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Molniya1-79
1 20949U 90101  A 90351.25665408 -.00000001  00000-0  52568-3 0   339
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2 20952  62.8861  66.0919 7403493 288.1100   9.3320  1.97049518   429
Gorizont 22
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2 20953   1.3935 273.1412 0005588 207.4323 153.5768  1.00275996   261
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1 20957U 90102  E 90352.37414283  .00001941  00000-0  19146-2 0   142
2 20957  47.2302 265.4212 7300200   6.4407 359.5654  2.22145411   524
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1 20958U 90102  F 90352.32356754  .00007010  00000-0  28791-2 0   189
2 20958  47.1798 265.3260 7317128   6.5452 359.3013  2.22700286   549
GPS BII-10
1 20959U 90103  A 90348.69553329  .00000016  00000-0  00000 0 0   148
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1 20960U 90103  B 90352.49471814  .00007407  00000-0  61603-3 0   175
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1 20961U 90103  C 90351.64444369  .00116634  32421-5  19615-2 0   330
2 20961  34.5350 169.4285 6031071 214.3842  84.9469  4.08839868   854
Cosmos 2106
1 20966U 90104  A 90353.84314598  .00006964  00000-0  39016-3 0   278
2 20966  82.5080 321.8322 0013738 220.1714 139.8198 15.13171879  3205
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2 20967  82.5056 324.2336 0012732 234.5787 125.4217 15.13152818  2836
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1 20975U 90104  C 90351.89018819  .00156938  00000-0  62826-2 0   178
2 20975  82.5275 323.6165 0013043 312.7155  47.2274 15.24307380  2916
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1 20976U 90104  D 90350.39104126  .00215185  00000-0  88842-2 0   198
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2 20977  82.4730 323.1166 0007138 136.9276 223.2121 15.18134125  2978
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2 20978  98.8581  22.6926 0080587 303.5275  55.8228 14.30440608  2638
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1 20979U 90105  B 90350.99682542  .00017083  00000-0  58611-2 0    76
2 20979  98.8463  19.6410 0094510 314.4733  44.8410 14.33668254  2209
Soyuz TM-11
1 20981U 90107  A 90353.83721452  .00047336  00000-0  55562-3 0   258
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2 20987  98.8282  22.9762 0171173 305.9695  50.1873 14.61758092  2627
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1 20988U 90105  F 90345.68631685  .00071356  00000-0  13006-1 0    46
2 20988  98.8335  14.5684 0187417 330.5795  28.5801 14.54896885  1477
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1 20989U 90105  G 90351.65656099  .00433076  00000-0  69705-1 0   214
2 20989  98.8432  20.9297 0154608 315.8097  42.8416 14.61472869  2342
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1 20993U 90105  L 90351.02204264  .00074474  00000-0  15290-1 0   171
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1 20996U 90 98  J 90338.59461859  .00452654  42071-4  10450-3 0    24
2 20996  62.7906 181.9816 0010908  40.0310 331.3245 16.29425726  2881
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2 20998  98.8805  19.4109 0194556 317.8710  40.7102 14.66508829  2116
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2 20999  98.7962  22.4762 0173676 308.8948  49.5406 14.66754446  2552
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1 21000U 90109  A 90354.20935781  .00904579  40794-4  24510-3 0   389
2 21000  62.7917 239.2901 0086167  79.6186 281.5731 16.18249052  2498
Cosmos 2109
1 21006U 90110  A 90353.73824638  .00000020  00000-0  99999-4 0   241
2 21006  64.8273 152.0193 0062401 184.5222 175.4064  2.13116949   260
Cosmos 2110
1 21007U 90110  B 90353.41722322  .00000020  00000-0  99999-4 0   222
2 21007  64.8435 152.0196 0093684  89.8256 271.2336  2.09896660   251
Cosmos 2111
1 21008U 90110  C 90353.32752181  .00000020  00000-0  99999-4 0   207
2 21008  64.8304 152.0362 0008014 294.4103  65.4915  2.13104188   258
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2 21011  64.8370 152.1304 0008307 326.1724  33.7888  2.13257938   180
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2 21012  64.9046 149.1533 5798380 349.0414   2.3645  4.22966455   405
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1 21013U 90110  H 90351.86155654  .00001260  00000-0  12777-2 0    60
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2 21014  74.0472 189.9189 0029837 320.5365  39.3616 14.30066591  1253
1990 111B
1 21015U 90111  B 90352.56480772  .00001122  00000-0  42845-3 0   127
2 21015  74.0537 190.7948 0027564 340.6142  19.3943 14.31577306  1185
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Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology
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X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 11:54:06 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Is it citable to interfere with a unlicensed station?
Message-ID: <807.27735616@w8grt.fidonet.org>
Date: 22 Dec 90 19:11:01 GMT
Organization: QRV de W8GRT, Sylvania, OH

Lines: 28

> From: frank@nbc1.ge.com (Frank Garofalo)
> Date: 21 Dec 90 20:47:36 GMT
> Organization: National Broadcasting Company, Inc., New York
> Message-ID: <1990Dec21.204736.27977@nbc1.ge.com>
> Newsgroups: rec.ham-radio
>
>
> I was wondering..If I hear an unlicensed taxi cab operating, say, on
> 10 meters (cw portion) can I be cited for calling CQ on the same
> frequency...Just wondering...Do not try this at home...

It would be a great place to transmit several hours of all 1990 W1AW
bulletins, DX notes, and propagation forecasts to date, followed by 20 wpm
code practice for Extras.

When you finish, turn the AMTOR loose chirping for a contact.

Jon Bloom would probably disagree. He thinks that the FCC should nitpick at us
for trivial violations whilst the taxicabs merrily ply their trade. However,
if you ARE cited, threaten the FCC with an appeal to the U.S. District Court,
charging the FCC is discriminating by enforcing the Communications Act
selectively and unequally.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -378569761703722108
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6fc7c4f0ccd9c026,start
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X-Google-ArrivalTime: 1990-12-22 13:22:44 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!
CATICSUF.CSUFRESNO.EDU!lapayn
From: lapayn@CATICSUF.CSUFRESNO.EDU (Larry Payne)
Newsgroups: rec.ham-radio
Subject: signoff
Message-ID: <9012222100.AA01155@caticsuf.cati.CSUFresno.EDU>
Date: 22 Dec 90 21:00:13 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1

signoff info-hams Larry Payne

From 2984647657002829110
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Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!
CATICSUF.CSUFRESNO.EDU!lapayn
From: lapayn@CATICSUF.CSUFRESNO.EDU (Larry Payne)
Newsgroups: rec.ham-radio
Subject: unsug
Message-ID: <9012222101.AA01170@caticsuf.cati.CSUFresno.EDU>
Date: 22 Dec 90 21:01:03 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1

singoff Larry Payne

From 656991573214699216
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd4e42f9cb0f532b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 13:32:54 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Amateur Radio Callsign on 11M; was: 10 meter rig recommendation
Message-ID: <810.27737DB3@w8grt.fidonet.org>
Date: 22 Dec 90 21:11:04 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 21

> From: myers@hpfcdj.HP.COM (Bob Myers)
> Date: 20 Dec 90 22:34:38 GMT
> Organization: Hewlett Packard -- Fort Collins, CO
> Message-ID: <18230053@hpfcdj.HP.COM>
> Newsgroups: rec.ham-radio
>
> >Ron
> >NW0U
> >(Fastest CW operator aboard ship was me- a $!!&# OFFICER :-)
>
> Gee, Ron, I've heard of a lot of different officers - OOD, morale
> officer, medical officer, engineering, etc......what's a
> $!!&# officer in charge of? :-)

Fires in the paint locker...

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

```
From -4103943121183909247
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea5c6ad8072235f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 13:32:57 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: No-code: Cease Fire
Message-ID: <811.27737DB9@w8grt.fidonet.org>
Date: 22 Dec 90 21:11:18 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 26


 > From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
 > Date: 22 Dec 90 14:08:12 GMT
 > Organization: University of Georgia, Athens
 > Message-ID: <1990Dec22.140812.24792@athena.cs.uga.edu>
 > Newsgroups: rec.ham-radio
 >
 > I wish it were possible to end the debate now, but the president of the
 > ARRL is talking about petitioning the FCC to reconsider, and reduce the
 > privileges of the no-code Technicians.  (Apparently, there is a 30-day
 > period after any decision during which petitions for reconsideration can
 > be submitted.)
 >
 > Write to the ARRL (don't just flame here!) if you object to this.

Grrrr! I always wondered if te ARRL's support for no-code was a sham. Anyway,
I'm sending e-mail to HQ with CC: to Wayne and Fred.

 > Forward "arrl" mcimail.com!0002155052
 > Forward "73 magazine" mcimail.com!2184001
 > Forward "w5yi" mcimail.com!3511297

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org


From 3912576114651833337
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea5c6ad8072235f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 13:58:54 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: No-code: Cease Fire
Message-ID: <47565@apple.Apple.COM>
```

Date: 22 Dec 90 21:30:15 GMT
References: <27080045@col.hp.com> <1990Dec22.140812.24792@athena.cs.uga.edu>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 57

mcovingt@athena.cs.uga.edu (Michael A. Covington) writes:

>I wish it were possible to end the debate now, but the president of the
>ARRL is talking about petitioning the FCC to reconsider, and reduce the
>privileges of the no-code Technicians. (Apparently, there is a 30-day
>period after any decision during which petitions for reconsideration can
>be submitted.)
>
>Write to the ARRL (don't just flame here!) if you object to this.

I did. I wrote a letter to Larry Price and copied it to my Division Director and Section Manager (yeah, yeah, I know Steve is on the net :-). And I encourage everyone else, even those who are not Hams yet, to write. Since non-Hams may not read QST yet, the address to send your "Christmas cards" to is

Larry E. Price, W4RA
President, ARRL
P. O. Box 2067
Statesboro, GA 30458

I believe mail from potential Hams can be even more powerful than those who already are members of the ARRL. Get off your buns and write!

I told Price, in terms that bureaucrats may understand, that any reduction in the privileges for the newcomers would leave them with less that a favourable impression of the ARRL once these new folks get their licenses. What I didn't tell him was he would be lucky if any of these folks would even consider joining the ARRL if they had been screwed by the League.

I am particularly p*ssed because what the FCC did was probably the most intellegent thing I have seen a government agency do. And petty ARRL is going to muck it up. In my short one page comment to the FCC in August regarding Docket 90-55 (probably on record somewhere in the dungeons of Washington; and I posted it on the net, too), I wrote

> Specifically, if the codeless class were to be administered examinations on theory and rules and regulations commensurate to that administered to the Technician Class operators, then there is little just reason why they should not be accorded the same right and privileges as a Technician Class licensee in the Radio spectrum above 30 MHz.

Except for a spelling mistake that I later caught (hey, what do
you expect from us furriners :-), those were the precise words I
used. The FCC went one better. They *called* this new class of
license "Technicians!" See why I am mad at the ARRL?

73,

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From 952980284754999327
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 15:39:06 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Message-ID: <1990Dec22.215604.13560@NCoast.ORG>
Date: 22 Dec 90 21:56:04 GMT
References: <620@chiton.ucsd.edu> <1990Dec21.191906.9290@jato.jpl.nasa.gov> <635@chiton.ucsd.edu>
Reply-To: allbery@ncoast.ORG.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 24

As quoted from <635@chiton.ucsd.edu> by rec@chiton.ucsd.edu (Richard Currier):
+---------------
| In article <1990Dec21.191906.9290@jato.jpl.nasa.gov> hammock@mars.UUCP (Randy Hammock) writes:
| >
| >I don't think the code has helped me "learn good operating practices." In fact,
| >beyond taking the code test to get my Novice, I have not used the code at all.
|
| That's why it has had no effect....
| AA6PN
+---------------

Yes. You must understand that the Code is God, and you must Worship the Lord
God Code or It will ignore you....

AA6PN, will you please get a life? You've been trying to convert the whole
newsgroup to Holy Worship Of The All-Highest God Code for over a week, and
it's getting annoying.

++Brandon
--
Me: Brandon S. Allbery   VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG   Packet: KB8JRR @ WA8BXN

America OnLine: KB8JRR   AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery   Delphi: ALLBERY

From -7554597205556468350
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56cd991389cc93a1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,56cd991389cc93a1,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-12-22 19:41:27 PST
Path: gmdzi!unido!mcsun!uunet!mjbtn!root
From: root@mjbtn.JOBSOFT.COM (Mark J. Bailey)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Wanted: List of Weather Satellites and Freqs on 136/137 MHz
Summary: Does anyone have one?
Keywords: WEFAX APT Satellite Weather FAX Freqs
Message-ID: <1548@mjbtn.JOBSOFT.COM>
Date: 23 Dec 90 00:55:58 GMT
Followup-To: rec.ham-radio
Organization: JobSoft Design & Development Co, Murfreesboro, TN
Lines: 37
Xref: gmdzi rec.ham-radio:18382 rec.radio.shortwave:3205

Hello Netters,

I have been looking around for a semi-current list of *active* low-orbitting weather satellites that transmit FAX (AM) on the 136/137 MHz band. I bought a copy of the _Satellite Experimenter's Handbook_ at the ARRL table at Dayton last spring, but the most current ones it had listed were *1984*! Well, of course, the book is (c)1985 so that is not to out of the ordinary. I am sure there is a list somewhere, but I was hoping someone on the net might have a current one in an electronic form as I would like to redistribute it to our local group of satellite experimenters.

If anyone one can help out by emailing to me, posting to the group, and/or pointing me to an FTP site or a printed version, I would be most grateful.
I have been using TRAKSAT from Paul Traufler (latest version 2.55 from the RPV Astro BBS [213/541-7299] - shareware) along with the Keplerian elements posted here and have had a great deal of success. I would like to get a "complete" list to program more channels into my PRO-2004.

Speaking of the PRO-2004 - does anyone have any recommendations for some sort of low noise pre-amp to improve the sensitivity of the unit? I know that it is not the most sensitive in the world, but I had read that a pre-amp could really help out. I am concerned about the introduction of images and spurs that pre-amps sometimes create. Anyone got any favorites?

Thanks in advance and Merry Christmas and Happy New Year!

73's,

Mark.

```
--
Mark J. Bailey, N4XHX                              _______/====X11====\_______
USMAIL: 511 Memorial Blvd., Murfreesboro, TN 37129 |         JobSoft         |
VOICE:  +1 615 893 0098                            | Design & Development Co.|
UUCP:   ...!uunet!mjbtn!mjb, ...!raider!mjbtn!mjb  |  Murfreesboro, TN  USA  |
DOMAIN: mjb@mjbtn.JOBSOFT.COM      CIS: 76314,160  ---------------------------
<KA9Q-UNIX-USERS Mailing List-Subscribe: ka9q-unix-requests@mjbtn.jobsoft.com>
```

From -6858289007085398512
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f188aa81eabdffb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 19:42:32 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Chebychev Filters
Message-ID: <1702@ke4zv.UUCP>
Date: 22 Dec 90 16:21:56 GMT
References: <41662@ut-emx.uucp> <408@nddsun1.sps.mot.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 38

In article <408@nddsun1.sps.mot.com> waters%darla@dover.sps.mot.com (Strawberry Jammer) writes:
>In article <41662@ut-emx.uucp> kipper@ccwf.cc.utexas.edu (Kip Ingram) writes:
>
>{Of course, this means that the source must absorb all of the stopband
>{energy. I'm building a QRP transmitter that filters a square wave to
>{get a suitably pure sine wave. That's no problem. But if I add a
>{power amp stage to get more power later, I think this means I should
>{amplify the sine wave rather than the square wave. Because if I
>{amplify the square wave and then filter it, the amplifier output stage will
>{have to absorb the now amplified harmonic energy. Right?
>
>If you simply use a nonresonant low pass filter that is true. If you use
>some form of resonance you can get a "flywheel" effect which is the
>principle of class B, C and D RF amplifiers - the conducting element (dare
>I say vacuum tube?) only conducts over a small portion of the RF cycle,
>depending on the tuning of the output "tank" circuit to restore a good sine
>wave.

A gross generalization, a transmitter with "tuning knob thingies" will be more efficient than a no tune design. The obvious exception is a fixed frequency unit with a well characterized load. Since we rarely have that in amateur service, put the knobs back on. Especially for battery powered QRP, every little bit of efficiency counts.

Isn't it funny that we generally didn't need antenna tuners until the advent of "no tune" radios. Now we have to have another box to do what the knobs used to do on the radio, *and* often suffer more inefficiency in the process. It's not cheap to get a loaded Q of 10 when the driving impedance is 0.02 ohm, but it's usually worth it in terms of efficiency. The tough part is the inital stepup transform to an impedance where reasonably sized components can be used.

In my opinion the commercially made rigs went to no tune so they could push the price of the matching network into another box and make the radios appear cheaper and smaller while removing a design headache and producing a little marketing hype. We don't have to do that in our own designs.

Gary KE4ZV

From -1259349915652185668
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,515303ac6dadd79e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 19:42:34 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: An Outside Viewpoint
Message-ID: <1703@ke4zv.UUCP>
Date: 22 Dec 90 16:59:57 GMT
References: <9012211713.AA00940@ucsd.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 21

In article <9012211713.AA00940@ucsd.edu> ROBERTT@UKCC.UKY.EDU ("Williamson, Robert") writes:
> cator - at least in the way that I enjoy it. And I can appreciate
> that others do not NEED code for what they want to do. But....come
> on....it is all so incredibly EASY! Why would anybody let any of it
> keep them out of this hobby?

Ah, but current licensees are a self selected sample of the population who found the code EASY, or beat their heads against the barrier for month after month because they were too stubborn to let it keep them out of amateur radio. We don't have good evidence that a large segment of the population doesn't find the code HARD to learn. We are now embarking on an experiment that will let us find out for sure. If our ranks don't swell with the new no code techs, then, at least we'll know for sure that they weren't being kept out by the code being hard for them to learn. Then we'd have to take a very hard look at our hobby and try to figure out what makes it so unpopular with the public other than the code requirement. I have some ideas about what's wrong with the hobby other than presumed archaic licensing requirements, but let's wait and see before starting another crusade.

Gary KE4ZV

From -4253357350498771015
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 19:42:37 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Quaint VHF practices (was Re: No-code license)
Message-ID: <1705@ke4zv.UUCP>
Date: 22 Dec 90 18:06:08 GMT
References: <1990Dec16.073847.6099@ux1.cso.uiuc.edu> <619@chiton.ucsd.edu>
<1990Dec18.050336.1415@athena.cs.uga.edu> <691@ssc.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 36

In article <691@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>In article <1990Dec18.050336.1415@athena.cs.uga.edu>, mcovingt@athena.cs.uga.edu
(Michael A. Covington) writes:
>> Who is closer to the intended purpose of Amateur Radio...
>> the CW antiquarians or the VHF experimenters?
>>
>
>WHAT VHF experimenters? Most of what I hear on VHF is folks yakking on
>repeaters. I hardly even hear FM simplex anymore.

Simplex, how quaint.

>Oh, excuse me....thats right....none of the new folks with the new tech
>license will be yakking on 2 mtr repeaters. They will all be showing
>us how antiquated our other modes are if we aren't using DSP....

Some of the real experimental work going on around here is with full duplex
repeaters with such rudimentary digital processing as digital AGC, digital
adaptive squelch, digital filtering, digital links and digital voters, digital
generation and detection of DTMF tones, and fully digital voice mail. Few
folks bother with simplex anymore for the very good reason that it limits the
number of stations that can be worked without access to good sites and high
power and because it *is* old hat. They want to try building *systems* that
have more power and flexibility than single user simplex offers. So if you
pass through and happen to work someone on one of these *systems*, be
impressed at the high level of experimental work going on.

And if you want to pass a few megabytes of data while you're here, try out
the GRAPES 56 kilobaud packet network.

And it should be noted that neither of the two systems described would have
been possible without the help of some dedicated and talented NON-amateurs.
Thankfully those people are now going to get licensed through the new tech

license and finally be able to *use* the systems they helped create. You see, they're some of the ones who find manual Morse Code impossible to learn.

Gary KE4ZV

From -1435981677305344260
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b58523ec73eb5924
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 19:42:42 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Advice sought on UK to Japan communication
Message-ID: <1704@ke4zv.UUCP>
Date: 22 Dec 90 17:17:10 GMT
References: <5305@baird.cs.strath.ac.uk> <1250313@hpnmdla.HP.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 36

In article <1250313@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>In rec.ham-radio, aiml@cs.strath.ac.uk (Alan Laird) writes:
>
>>I wonder if someone could advise me on the feasability of
>>using shortwave to communicate with a friend of mine whilst
>>he is working at sea.
>
>>He will probably be sailing out of Japan to Brueni (sp?).
>>Is it possible to reach that part of the world from the UK ?
>>At all ? Regularly ? If so, what sort of kit would be best
>>(which band, output power etc.).
>
>>I am new to the world of shortwave broadcasting so please
>>keep the TLA's to a minimum.
>>Many thanks.
>
>My impression is that it is very difficult to get permission to
>operate an Amateur Radio station from a commercial vessel. You
>can't just use the ship's radio on the ham bands, because by law
>(at least for US-flag vessels) the Amateur and Commercial
>apparatus must be completely separate.

Well Al, lots of my Vietnam era buddies ran ham patches with the duty radios on US ships. Course lots of those ships had guns on them. :-) I have a friend who is currently radio officer on a US flag ship and he says that getting permission to run ham radio is as simple as asking the captain's permission. At least in his case, the captain said, "Sure, as long as you don't interfere with the normal navs and comms." Since my friend is responsible for making sure the navs and comms work as his primary duty, this was not a problem.

Now to answer the original poster's question. Your best bet will be 20 or 15 meters with at least 100 watts output. It won't work every day, but should be usable quite often.

Gary KE4ZV

From -2623908632794355566
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5988d8d535600ab8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 19:49:06 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!portal!cup.portal.com!Justin_Randall_Padawer
From: Justin_Randall_Padawer@cup.portal.com
Newsgroups: rec.ham-radio
Subject: Re: Is it citable to interfere with a unlicensed station?
Message-ID: <37172@cup.portal.com>
Date: 23 Dec 90 01:50:26 GMT
References: <807.27735616@w8grt.fidonet.org>
Organization: The Portal System (TM)
Lines: 12

This is a wonderful question for discussion. Certainly one could make a great argument both ways. Here is my personal opinion:
DO NOT INTERFERE WITH ANY SIGNAL, LEGITIMATE OR OTHERWISE. The reason? Well, your signal may interfere with direction finding policing being done by someone else. I remember well how difficult it was to catch a local pirate a few years back because a couple of legitimate local hams thought the best strategy was to "jam" him on the air. Result: the legitimate "jammers" were making fools of themselves (again, my opinion), and it took much longer to try to catch the real pirate. We finally did catch him, after begging the locals to shut up. :-) Randy Padawer, WA4FJF

From 3561942847460110673
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3289e813bd1935b1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 19:51:21 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Codeless News from ARRL
Message-ID: <5906@qip.UUCP>
Date: 22 Dec 90 16:00:18 GMT
References: <9012211454.AA17816@ucsd.edu> <47547@apple.Apple.COM>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 24

In article <47547@apple.Apple.COM> kchen@Apple.COM (Kok Chen) writes:
]Wow. An FCC that is more enlightened than the League that
]represents us! Do you really mean that us folks who still see
]Ham radio as a technical hobby do have a friend in Washington?

The ARRL represents its members. Since people who like to bash the ARRL for old fashioned views don't seem to interested in joining it and working from the inside, their views may be underrepresented.

The people on ARRL staff that I have worked with, and our Southwest Division Director (Fried Hein) certainly don't fit your description.

I get really tired of ARRL bashing. At least they actually do something to try to improve the hobby - within the limits set by their voting members.

This as compared to Wayne Green, et. al., who are constantly carping and harping and blowing their own horns.
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From 6703530431964013892
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab4a5a9336224655
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 20:22:17 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: New Code-free Technician class license
Summary: I knew this was coming....
Message-ID: <707@ssc.UUCP>
Date: 22 Dec 90 20:20:25 GMT
References: <9012171351.AA00050@rtp40.dg.com> <40089@genrad.UUCP>
<5306@rsiatl.Dixie.Com>
Organization: very little
Lines: 25

In article <5306@rsiatl.Dixie.Com>, jgd@Dixie.Com (John G. DeArmond) writes:
  We've made that first important step.
> We have some more to do before we achieve the ultimate goal - the
> total elimination of CW as a licensing requirement but this is a start.

Gee, some of the real anti-nocode folks warned that this was the ultimate hidden agenda, but I scarcely believed it. Since I got involved in ham radio, all aspects of the exams have gotten easier and easier. I suppose some folks wont be happy until there is no exam at all.
>

> I think we'll be pleasantly surprised with the results of this change.
> I can hardly wait to see what happens.
>

Me too!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 7611156164217842185
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 20:22:19 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Summary: radio?
Message-ID: <708@ssc.UUCP>
Date: 22 Dec 90 20:23:01 GMT
References: <18323@shlump.nac.dec.com>
Organization: very little
Lines: 24

In article <18323@shlump.nac.dec.com>, magid@esis.enet.dec.com (Joel Magid...) writes:

```
>
>    I wonder with all of the recent changes (technician and disability
>    waiver) if the FCC has really gone far enough ?
>
>    1. Wouldn't it have been nice to see the FCC change the requirements
>       for elements 1B and 1C to something like the following:
>
>         1A code @ 5WPM
>         1B computer operations (basic understanding)
>         1C computer    "       and theory (advanced)
>
```

I thought this was the Amateur RADIO Service!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA

```
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP


From -6034204033499806070
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-22 21:13:23 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!emory!
athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Message-ID: <1990Dec23.044244.897@athena.cs.uga.edu>
Date: 23 Dec 90 04:42:44 GMT
References: <18323@shlump.nac.dec.com> <708@ssc.UUCP>
Organization: University of Georgia, Athens
Lines: 11

In article <708@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>In article <18323@shlump.nac.dec.com>, magid@esis.enet.dec.com (Joel Magid...)
writes:
>>       1A code @ 5WPM
>>       1B computer operations (basic understanding)
>>       1C computer    "       and theory (advanced)
>
>I thought this was the Amateur RADIO Service!

Haven't you noticed how PROFESSIONAL radio communication is done these
days?  How many of us come anywhere close to understanding the innards
of a cellular phone?


From -2183768910979320593
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2645e27e280c401c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-23 03:41:29 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: MAJOR SOLAR FLARE ALERT
Message-ID: <901223004032.23801ff7@HG.ULeth.CA>
Date: 23 Dec 90 07:40:32 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 67
```

-- MAJOR SOLAR FLARE ALERT --

DECEMBER 22, 1990

Flare Event Summary
Potential Impact Forecast

MAJOR ENERGETIC EVENT SUMMARY

A major solar flare occurred at 22:46 UT on 22 December. The flare, rated a class M5.3/2B occurred from Region 6420 at a position of S25E63. This flare was not accompanied by any strong radio sweeps, but was associated with minor discrete radio emissions. The duration of the flare was 59 minutes. It began at 22:12 UT, peaked at 22:46 UT and ended at 23:11 UT.

Region 6420 is the second largest region on the sun at the present time. It is 1,380 million square kilometers in area and encompasses a total of 25 spots. The trailer spot complex of this region appears have some magnetic complexity associated with it, although this region is still classified as a magnetic Beta configuration.

Region 6412 (N17W68) is the largest region currently visible. This region has maintained a size of near 3,600 million square kilometers in area throughout its transit of the solar disk. It has increased in magnetic complexity from a Beta-type configuration to a Beta-Gamma configuration as of 22 December. It has not, however, spawned any significant solar flares.

Region 6415 has been very energetic this past week, producing numerous M-class flares. It was responsible for a class M4.3/1N flare at 23:21 UT on 22 December, which was associated with a Type II sweep. This region, however, is now rotating off the western limb and will not be visible on 23 December.

POTENTIAL TERRESTRIAL IMPACT FORECAST

Region 6420 may produce at least another major flare (and perhaps several more) as it transits the solar disk. Magnetic complexity in the trailer spot complex of this group will likely remain sufficient to spawn numerous M-class flares throughout the coming week. Expect numerous periods of radio distortion, SWF's and SID's on the sunlit hemisphere this week due to solar activity. As the active longitudes return between 26 and 28 December, expect M-class flaring to increase in frequency during the days with an accompanying increase in SID's and SWF's.

No significant terrestrial impacts are expected from today's major solar flare. However, if Region 6420 continues to produce significant flare activity, the risk for terrestrial impacts will become likely within the next two to three days, particularly after 27 December.

Regions 6412 and 6415 (this weeks major spot groups) will rotate beyond the western limb by 24 December. However, by 26-28 December some potential major activity centers (aside from Region 6420) may reappear on the eastern limb. Models currently suggest that the activity associated with these returning solar longitudes should remain generally intact, although the associated regions will obviously have evolved since their disappearance two weeks ago. Judging by recent trends, it appears as though some potentially major activity may be witnessed with the return of the active regions to the eastern limb between 26 and 28 December. More will be known as these regions begin to return.

** End of Report **

From -308631876956109464
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2aa8383918b779e4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-23 11:15:19 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!wuarchive!mit-eddie!rutgers!bellcore!messy!mo
From: mo@messy.bellcore.com (Michael O'Dell)
Newsgroups: rec.ham-radio
Subject: Thanks for the traffic...
Message-ID: <1990Dec23.170731.8586@bellcore.bellcore.com>
Date: 23 Dec 90 17:07:31 GMT
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: mo@bellcore.com (Michael O'Dell)
Organization: Center for Chaotic Repeatabilty
Lines: 14

I know the folks at UUNET must have been quaking in their boots worrying that once the FCC made their announcment, things on rec.ham-radio would calm down and they'd loose all that revenue shipping no-code flamage around the world. Well, I suppose they got a great Christmas present - as far as I can see, the traffic has gone UP!!! Well, maybe they should have guessed, but *I'm* surprised, naively so, I guess.

Well, maybe it's better than reading inane ideas for reorganizing the groups!!

(Pull the pin - roll it in the door, slam door closed, and run like hell down the hall!!)

-Mike

From 6355558794724382300
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f188aa81eabdffb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-23 11:18:45 PST

Path: gmdzi!unido!mcsun!uunet!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Class D/E PA's (was Re: Chebychev Filters)
Summary: Advantages of coherent DSB over AM and SSB
Message-ID: <1706@ke4zv.UUCP>
Date: 23 Dec 90 16:04:23 GMT
References: <41662@ut-emx.uucp> <1250315@hpnmdla.HP.COM>
<1990Dec22.023015.25178@ims.alaska.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 36

In article <1990Dec22.023015.25178@ims.alaska.edu> ftpam1@acad3.alaska.edu writes:
>
> Consider a AM transmitter that has a Class D or E final and a switching mode modulator. About half the DC in comes out as energy in the sidebands. Now consider a SSB transmitter with a 50 percent efficent linear final. Half its DC in comes out as power in the 1 sideband. The received signal to noise ratio (neglecting QRM) will be the same for any given amount of DC power in. The AM system wins because the transmitter doesn't get hot and the receiver can be simpler. Fidelity is better, too. (This is all at the expense of twice the transmission bandwidth, of course.)

Conventional AM puts a minimum of 50% of the transmitted power in the nearly useless carrier and a maximum of 25% of the radiated power in a sideband with an equal amount in the redundant other sideband. During the frequent silent periods in speech the transmitter wastes 100% power in the unnecessary carrier. This is a very inefficient use of power even if the DC to RF conversion were 100% efficient. The IHF says that average speech only has a 12.5% duty cycle so an AM transmitter is automatically throwing away 87.5% of it's radiated power. Suppressed carrier modulation doesn't transmit any power during the silent periods. That's why the old Drake transmitters could claim 200 watts PEP with a pair of sweep tubes, each of which had 12.5 watts of plate dissipation.

The AM signal will suffer a 3 db penalty due to the wider receiver bandwidth allowing in twice as much noise energy. This doesn't even consider the fact that an AM envelope detector throws away another 3 db compared to the product detector used for SSB. However, if you use a coherent synchronous dectector and DSB suppressed carrier, you get a big win in signal to noise ratio. Noise is non-coherent and is strongly rejected by a coherent detector. As much as 12 db improvement over an equal power SSB signal is possible. About the only disadvantages of using DSB suppressed carrier with coherent detection are an increased susceptibility to selective fading and, of course, the consumption of twice the spectrum of SSB. With today's ICs it's relatively easy to build a top notch coherent DSB system.

Gary KE4ZV

From -7597767532140738720
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,68224797fbfb3762
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-23 11:32:35 PST
Path: gmdzi!unido!mcsun!uunet!mjbtn!root
From: root@mjbtn.JOBSOFT.COM (Mark J. Bailey)
Newsgroups: rec.ham-radio
Subject: Re: PD Morse Code Program Runnable on 386 Needed
Message-ID: <1551@mjbtn.JOBSOFT.COM>
Date: 23 Dec 90 06:04:43 GMT
References: <18242@netcom.UUCP> <15780011@hprnd.rose.hp.com>
Organization: JobSoft Design & Development Co, Murfreesboro, TN
Lines: 53

In <15780011@hprnd.rose.hp.com> jblake@hprnd.rose.hp.com (John Blake) writes:

>In rec.ham-radio, danr@ais.org (Daniel Romanchik) writes:

>>   In article <18242@netcom.UUCP> feustel@netcom.UUCP (David Feustel) writes:
>>   >I need a (PD) morse code program that will run on a 386. I dusted off
>>   >a morse code program I bought for my xt in 85 and found it running in
>>   >the neighborhood of 120 wpm on my 386sx - a little too fast for me to
>>   >follow.
>>   >--
>>
>>   Try getting the program ATSLOW from a local BBS. This program is supposed
>>   to slow down the AT to XT speeds so programs like the Morse code practice
>>   progam run correctly.
>>
>>   73, Dan KB6NU (danr@ais.org)

>This is not necessary, as programs such as SuperMorse have user adjustable
>timing parameters. I used SuperMorse 3.15 to prepare for my Novice exam last
>summer, and found it extremely friendly and helpful. I've seen it run on
>8088, 80286, and 80386 without any problems (clock speeds ranged from 4.77 to
>25 MHz). I don't have the info handy on where to get it (it's shareware and
>I got it from a BBS), but if you want it and can't find it anywhere, send me
>email and I'll try to work something out.

You can:

A) ftp/mailserv it from SIMTEL20 (PD2:<MSDOS2.HAMRADIO>SM316.ZIP)

B) get it from the CompuServe HAMNET forum (the author hangs out there)

C) try either WB3FFV's or N8EMR's bbses (numbers in their signatures)

D) your on your own at this point.... :-)

Hope this helps.

Mark.

--

```
Mark J. Bailey, N4XHX                                 _______/====X11====\_______
USMAIL: 511 Memorial Blvd., Murfreesboro, TN 37129 |         JobSoft          |
VOICE:  +1 615 893 0098                            | Design & Development Co.|
UUCP:   ...!uunet!mjbtn!mjb, ...!raider!mjbtn!mjb  |  Murfreesboro, TN  USA  |
DOMAIN: mjb@mjbtn.JOBSOFT.COM      CIS: 76314,160  ---------------------------
<KA9Q-UNIX-USERS Mailing List-Subscribe: ka9q-unix-requests@mjbtn.jobsoft.com>
--
```

```
Mark J. Bailey, N4XHX                                 _______/====X11====\_______
USMAIL: 511 Memorial Blvd., Murfreesboro, TN 37129 |         JobSoft          |
VOICE:  +1 615 893 0098                            | Design & Development Co.|
UUCP:   ...!uunet!mjbtn!mjb, ...!raider!mjbtn!mjb  |  Murfreesboro, TN  USA  |
DOMAIN: mjb@mjbtn.JOBSOFT.COM      CIS: 76314,160  ---------------------------
<KA9Q-UNIX-USERS Mailing List-Subscribe: ka9q-unix-requests@mjbtn.jobsoft.com>
```

From -3011665942691143368
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,515303ac6dadd79e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-23 11:33:12 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: An Outside Viewpoint
Message-ID: <1990Dec23.175303.8294@NCoast.ORG>
Date: 23 Dec 90 17:53:03 GMT
References: <9012211713.AA00940@ucsd.edu> <1703@ke4zv.UUCP>
Reply-To: allbery@ncoast.ORG.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 54

As quoted from <1703@ke4zv.UUCP> by gary@ke4zv.UUCP (Gary Coffman):
+---------------
| I have some ideas about what's wrong with the hobby other than presumed
| archaic licensing requirements, but let's wait and see before starting
| another crusade.
+---------------

I have some opinions as to why most people aren't interested in ham radio as well --- I wouldn't call it problems with our hobby, though.

The simple fact is that it's "in" to hold and defend uninformed opinions while belittling those who *are* informed. Anti-intellectualism is still alive and well in the U.S. And ham radio is a *technical* hobby, public service notwithstanding. After all, the basis of our public service ability is that we are supposed to know enough to know how to assemble and/or manage working communications setups. This *does* include integrating non-amateur services like cellular, Part 15 radios on 49 MHz, and even CB when they're appropriate... it's the *know-how* that is our most important asset, regardless of where or how we apply it. Know-how that ranges from pure technical to organization and integration of communications to produce effective and efficient communications. I still count the latter as technical, because you have to have at least *some* understanding of the possibilities before you can make rational decisions on how to integrate it into a working communications system. This is especially important in emergencies, when the local hams might be the *only* ones who know how to take a hodge-podge of radio equipment and devise a working emergency communications network out of it.

The simple solve-it-from-within solution is to drop the theory as well as the code. THIS IS THE WRONG SOLUTION! It destroys our most important asset.

The problem, and therefore the solution, are *outside* amateur radio. It's the same problem faced by the technical industries in the U.S. right now and looming large over their futures: the general public needs to be made aware of the importance of technical skills and knowledge, to the point where the general public will push for improvements in education and for more college students to major in technical areas.

This is the *biggest* threat to amateur radio. Not code/nocode, not a sudden inrush of unruly "CBers", not the encroachment of commercial services on our bands. HAM RADIO IS UNPOPULAR BECAUSE UNDERSTANDING TECHNOLOGY IS UNPOPULAR. After all, how much do you need to know to operate a cellular phone or a Nintendo?

If there is one area that I would recommend be addressed by all radio amateurs as quickly as possible, it is this one. Because it's not just ham radio that will go down the tubes if we don't....

++Brandon

```
--
Me: Brandon S. Allbery              VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR              AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

From -41173705384555609
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c9285f150c321a0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-23 12:43:09 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!ncar!midway!mimsy!mojo!chuck
From: chuck@eng.umd.edu (Chuck Harris - WA3UQV)
Newsgroups: rec.ham-radio
Subject: Re: Thanks for the traffic...and now something really important :-)
Summary: loose is not tight, lose is lost.
Message-ID: <1990Dec23.194759.21773@eng.umd.edu>
Date: 23 Dec 90 19:47:59 GMT
Sender: news@eng.umd.edu (C-News)
Organization: University of Maryland, Department of Electrical Engineering
Lines: 19

In article <1990Dec23.170731.8586@bellcore.bellcore.com> mo@bellcore.com (Michael O'Dell) writes:

```
>I know the folks at UUNET must have been quaking in their boots...

>would calm down and they'd loose all that revenue shipping no-code
                          ^
                        lose
```

This is a minor nit to pick, and in no way as important as code vs. nocode wars... In the last year, I have noticed that there are gobs of people on usenet that don't know the difference between "loose" and "lose". For the last time:

```
     loose - (loos) as in not tight.
     lose  - (looz) as in can't find anymore, or lost.
```

That done, please disregard, and return to the inane code vs nocode wars.

Chuck Harris - WA3UQV
chuck@eng.umd.edu

```
From 4188680236585539350
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9dd129dd5066a2b1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-23 14:46:58 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!magnus.ircc.ohio-state.edu!ephillip@magnus.ircc.ohio-state.edu
From: ephillip@magnus.ircc.ohio-state.edu (Earl W Phillips)
Newsgroups: rec.ham-radio
Subject: sat. tracking program needed
Message-ID: <CMM.0.88.661990210.ephillip@magnus.ircc.ohio-state.edu>
Date: 23 Dec 90 22:10:10 GMT
Sender: news@magnus.ircc.ohio-state.edu
Organization: The Ohio State University
Lines: 14
Originator: daemon@left.magnus.ircc.ohio-state.edu
Nntp-Posting-Host: left.magnus.ircc.ohio-state.edu
```

Would anyone happen to have a satellite tracking program, preferrably in basic, that prompts for my lat,long and keplerian data, and outputs the time, altitude of a given satelite? Any responses appreciated!

```
*****************************************************************
*                                    | ====@====      ///////// *
* ephillip@magnus.ircc.ohio-state.edu|     ``________//         *
*                                    |       `------'           *
*                 -JR-               | Space;........the final  *
*                                    | frontier..............   *
```

```
*****************************************************************


From 1292061047240802757
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 09:35:49 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!pacific.mps.ohio-
state.edu!linac!att!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Message-ID: <1990Dec19.173549.22547@athena.cs.uga.edu>
Date: 19 Dec 90 17:35:49 GMT
References: <41520@ut-emx.uucp> <7500069@hpfcso.HP.COM> <217@nddsun1.sps.mot.com>
Organization: University of Georgia, Athens
Lines: 7

In article <217@nddsun1.sps.mot.com> waters%darla@dover.sps.mot.com (Strawberry
Jammer) writes:
>In article <7500069@hpfcso.HP.COM> ron@hpfcso.HP.COM (Ron Miller) writes:
>
>Of course I keep my IDer at 25+ wpm which DOES help :-)
>
Doesn't Part 97 (revised 1989) require all automatically generated code IDs
to be 20 wpm or slower?


From -4878638078627939756
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a0340e29e2ecb5c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 09:36:36 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: FCC ACTS ON CODELESS LICENSE
Message-ID: <786.276F70EE@w8grt.fidonet.org>
Date: 19 Dec 90 17:36:36 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 49


 > From: john@qip.UUCP (John Moore)
 > Date: 18 Dec 90 06:12:50 GMT
 > Organization: Anasazi, Inc.  Phoenix, Az
 > Message-ID: <5843@qip.UUCP>
 > Newsgroups: rec.ham-radio
 >
 > In article <748.2767FFE5@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org
 > (Jim Grubs) writes:
 > ]
 > ] > From: jbloom@uhasun.hartford.edu (Jon Bloom)
 > ] > Date: 13 Dec 90 19:28:37 GMT
 > ] > Organization: The University of Hartford
 > ] > Message-ID: <409@ultrix.uhasun.hartford.edu>
 > ] > Newsgroups: rec.ham-radio
 > ] >
 > ] >
 > ] >                         December 13, 1990
 > ] >
 > ] >  FCC ESTABLISHES NEW CODELESS CLASS OF AMATEUR OPERATOR LICENSE
 > ] >                         (PR DOCKET 90-55)
 > ]
 > ]I take back part of what I have said about them in the past. Sometimes
 > the FCC
 > ]does indeed do something right!!!
 > ]
 >
 > I'm pleased, but not all that surprised. I had previously speculated
 > that Ralph Haller (who was a reasonable, if slightly devious, person
 > when I knew him) put out the original proposal as a straw-man.
 >
 > I do wish that they would have a different call sequence for codeless
 > (or is the PC term "lesser abled"?) tech licenses - it would make
 > enforcement work a little bit easier.

It would also make it easier for the mindless anti-no-code bigots. I think no
callsign distinction is the better approach. This way people will get to know
and like one another before an Old Fart finds out, "Oh, no, he's one of
THEM!"

One thing about this bemuses me. Why do the OF's assume that THEM have any
interest in talking to Buffalo Bill Code-y? We may very well have a situation
now like in Jean Auel's "Clan of the Cave Bear", in which the "Others" are
replacing the "Flatheads" as the dominant anthropoid species.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org


From 1148806100534960129
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7b579cb5c67f472c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 09:45:44 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: new technician class
Message-ID: <787.276F70F5@w8grt.fidonet.org>
Date: 19 Dec 90 17:45:44 GMT
Organization: QRV de W8GRT, Sylvania, OH
```

Lines: 14

In article <116@canada.sbi.com> jerrys@canada.sbi.com (Jerry Simonowits)
writes:
 >]And, if we are supposed to be self policing, and I hear a technician
 > talking
 >]on 10 meters, how do I know if he is legal or not ???

Well, for starters, let's give "Innocent until proven guilty" a good try. In
the absence of evidence to te contrary, assume he's legal. After all, he's
asuming YOU are legal, isn't he?

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -9055184561278226874
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 09:55:41 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!agate!ucbvax!ucsd!
pacbell.com!tandem!netcom!edg
From: edg@netcom.UUCP (Edward Greenberg)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Keywords: NoCode
Message-ID: <19117@netcom.UUCP>
Date: 19 Dec 90 17:55:41 GMT
References: <4ea88b70.20b6d@apollo.HP.COM>
<1990Dec18.044632.1032@athena.cs.uga.edu> <4471@lib.tmc.edu>
Organization: Netcom- The Bay Area's Public Access Unix System {408 241-9760
guest}
Lines: 15

In article <4471@lib.tmc.edu> jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
writes:
>I wish you were right...but the canonical comment of those who operate between
>27.405 and 28 MHz is, "I'd get a ham license if it weren't for that #$%@#$^
>code." Those people will rush to get no-code licenses. That's what frightens
>me about no-code, and _nobody_ has yet shown me that that fear is unfounded.
>
Yes, they will. CBers will rush to get ham licenses in droves, at least I
think so.

BUT NOTHING SAYS THAT THEY WILL BE JACKASSES WHEN THEY GET HERE!

--
Ed Greenberg   WB2GOH/6
edg@netcom   {amdahl | amdcad | apple}!netcom!edg
CompuServe: 76703,1070   Packet Radio: WB2GOH @ N6LDL.CA.USA.NA

From 8709673643375609368
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,86e4e58a8cab0687
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 09:57:49 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!zazen!uwvax!astroatc!nicmad!norvax!beams
From: beams@norvax.UUCP (David Beams)
Newsgroups: rec.ham-radio
Subject: Re: Reciprocal operating in France?
Message-ID: <518@norvax.UUCP>
Date: 19 Dec 90 17:57:49 GMT
References: <5637@qip.UUCP> <1250290@hpnmdla.HP.COM> <SXF^JX@uzi-9mm.fulcrum.bt.co.uk>
Organization: Norland Corp., Fort Atkinson, WI 53538
Lines: 39

> In article <1250290@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
> >In rec.ham-radio, john@anasaz.uucp (John Moore) writes:
> >
> >>I expect to spend considerable time in France early next year.
> >...
> >>We don't speak ANY French - is that a problem?
> >
> >You really only need to know one phrase:
> >
> >"Ou est le lavabo?" = Where is the toilet?
> >

No it isn't! Not unless you have no inhibition about relieving yourself into the lavatory!

Ask directions for "la toilette" or even "le W.C." (this latter Anglicism has crossed the Channel and is apparently widely recognized in France).

And be careful in taking a French hotel room. If you get "une chambre avec salle de bain," you get a room with a bath--but not a toilet. Look for "une chambre avec salle de bain et toilette" if you don't want to share a W.C. with strangers.

France is a *beautiful* country; be certain to get *away* from Paris to get to know the charms of its villages and farms. I found France to be a wonderful mixture of the modern and the ancient, and the only rude French I encountered were Parisians (or is it "Parisites?" :-) :-) :-))

73, Dave KK9Y ex-F0IMG

--
UUCP: ...seismo!uwvax!astroatc!norvax!beams
US Mail: David Beams / Norland Corporation / Fort Atkinson, WI 53538-8999
"Let's stop this finger-pointing and get down to some serious name-calling!"

From 3130558422622740129
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 10:11:01 PST
Path: gmdzi!unido!mcsun!uunet!sbi!zeus!pivot-nj!canada!jerrys
From: jerrys@canada.sbi.com (Jerry Simonowits)
Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Summary: what's an e6 e7 ???
Message-ID: <120@canada.sbi.com>
Date: 19 Dec 90 18:11:01 GMT
References: <18323@shlump.nac.dec.com> <1990Dec19.012824.15145@athena.cs.uga.edu>
<4482@lib.tmc.edu>
Organization: Salomon Brothers - NJ
Lines: 4

For those of us who are not the military type, what is an E-7 or E-7 level ??
General, Colonel, Major, Captain, Lieutenant, Sergeant, Corporal, Private ??

From -1670094236274310683
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 10:43:50 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <RJwFu1w163w@phoenix.com>
Date: 19 Dec 90 18:43:50 GMT
References: <347@adept.UUCP>
Organization: One Man Brand
Lines: 45

alan@adept.UUCP (Alan Ruffer) writes:

> In article <VyL9T5w163w@phoenix.com> stanley@phoenix.com (John Stanley) write
> >alan@adept.UUCP (Alan Ruffer) writes:
> >> I guess your license says ham on it? Hmmm, funny mine doesn't, it says
> >> Amateur.
> >   Mine says neither rec.ham-radio nor rec.radio.amateur. It does use the

> >word "license". If what the license says is what we should use, then the
> >group name should be amateur.radio.license.
>   ^^^^^^^
> I was merely pointing out that the license says AMATEUR not ham.

And I was pointing out it says a lot more than just Amateur. Don't trot
out the license as support for changing the name and then ignore the rest
of it.

> >   The name is not broken. Don't fix it. The structure is broken. Fix that.
> > Changing the name is not chaging the structure.
>
> I'm not saying the name is broken here...
> It's just not as descriptive as it should be.

Look up the words. Ham is better than amateur at describing the hobby.

> As part of the structure enhancement rec.radio.amateur.satellite might do
> some good towards the end of distributing some of the traffic.

But there has been NO suggestion of r.r.a.s. You are right --
changing the structure will distribute the traffic. The ONLY structure
change is adding the .legal subgroup, which is NOT dependent on changing
anything else. Adding r.h.l will have the same effect as changing the
name and adding r.r.a.l, with less work for all.

> >   There is still no evidence that renaming the group will make it better.
>
> There is no evidence it WON'T make it better either.

If there is no evidence either way, why bother to do it at all?

P.S. Alan - your system is mis-configured. It is delivering mail to the
wrong places and abusing net resources. Fortunately, I was able to stop
mine from automatically correcting your error and resending it. You
should fix yours, I might not catch it next time.

From 7835645721870222704
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e95dda0a920dcfa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 10:48:45 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!apple!vsi1!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: There is no 'CW-only' segment!
Message-ID: <3067@wyse.wyse.com>
Date: 19 Dec 90 18:48:45 GMT
References: <19.Dec.90.10:27:13.GMT.#3387@UK.AC.NWL.IA>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)

Organization: Wyse Technology
Lines: 13

In article <19.Dec.90.10:27:13.GMT.#3387@UK.AC.NWL.IA> PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon") writes:
>>There are only TWO band segments in ALL of the Amateur Radio spectrum that
>This is *NOT TRUE*!
>Most of the World has *NO* 'CW Only', 'Phone-only' sub-bands. It is only
>
>   Pete Lucas PJML@UK.AC.NWL.IA G6WBJ@GB7SDN.GBR.EU

Slight correction on terminology....There is certainly some "CW-Only"
portions of amateur spectrum as set up by US regs, but there is no
such thing as "Phone-Only", i.e. I can use CW anywhere in the amateur
spectrum. There is only custom saying I won't do that.

73's de Steve KA6S

From 4242057992290274739
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9121cf317f45ce83
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 10:51:47 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!usc!apple!xanadu!jeff
From: jeff@xanadu.com (Jeff Crilly N6ZFX)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew - help wanted
Message-ID: <1990Dec19.185147.19531@xanadu.com>
Date: 19 Dec 90 18:51:47 GMT
References: <1792JKOSS00@RICEVM1> <1679@ke4zv.UUCP>
Organization: AMIX Corporation, Palo Alto, CA
Lines: 37

In article <1679@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
>In article <1792JKOSS00@RICEVM1> JKOSS00@RICEVM1.BITNET (Jordan Kossack) writes:
>>
>>Howdy
>>
>>I was wondering if anyone knew where I might find a ckt diagram
>>or plans for a homebrew 2m FM rig. I mainly would like to build
>>something to use a local repeater, so it should be able to do a
>>rcv/xmt shift and put out at least 5W running off 12V.
[Stuff deleted...]
>>   ---
>
>Yep, I think this one is more interesting than the pizza wars. :-)
>I'd like to hear some comments on scratch built VHF+ radios. Personally,
>I would take a look at the kits put out by Hamtronics and Ramsey. They

The ~146 mhzf receiver that Ramsey puts out (NE602 based, I think) doesn't
seem to be too sensitive without a preamp. I find a modified radio shack

weather cube to be more sensitive.

>are inexpensive and at least the new Hamtronics stuff works really well.
>I haven't actually seen one of the new Ramsey 2 meter symthesized tranceiver
>kits, but it sounds good in the ad. Circuit layout is not trivial at VHF+
>and having a proven circuit board as a starting point is a big help.
>
>If you really want to scratch build a proven design, check out "VHF-UHF
>Manual" by Evans and Jessop. This is an RSGB publication that has detailed
>designs for 2 meter transmit and receive strips that look fairly easy to
>build. The "Manual" is available from the Ham Radio Bookstore. This book
>is highly recomended for the bookshelf of any RF hacker.
>
>Gary KE4ZV

I heard that RF Parts sells some VHF RF amplifier modules. Apparently
all you need is a heat sink, DC supply, and a transmit receive switch.

Jeff

From -3059134068929911840
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 11:03:27 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!yale!venus!yalevm!maine!io60370
From: IO60370@MAINE.BITNET
Newsgroups: rec.ham-radio
Subject: Re: No-code license
Message-ID: <90353.140327IO60370@MAINE.BITNET>
Date: 19 Dec 90 19:03:27 GMT
References: <24904@ucsd.Edu> <1990Dec16.073847.6099@ux1.cso.uiuc.edu>
<619@chiton.ucsd.edu> <1990Dec19.010339.5704@NCoast.ORG>
Organization: University of Maine System
Lines: 8

From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
> I'd better write to the FCC and see if amateur radio still
> exists or not. :-(

It does not. Not in any sense of the original meaning. Perhaps there
are a few actual hams left, but their number is so small as to be in
the noise. What we have today is something approaching what was called
'CB' circa 1970. 'CB' has deteriorated since then. So has amateur radio.

From 5123241654921273778
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b6162eaef6307be
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 11:06:36 PST
Path: gmdzi!unido!fauern!lan!buettneb

```
From: buettneb@lan.informatik.tu-muenchen.dbp.de (Bernhard Buettner)
Newsgroups: rec.ham-radio
Subject: Re: QSL Path to HC8A
Message-ID: <6129@tuminfo1.lan.informatik.tu-muenchen.dbp.de>
Date: 19 Dec 90 19:06:36 GMT
References: <517@norvax.UUCP> <27080043@col.hp.com>
Sender: news@lan.informatik.tu-muenchen.dbp.de
Reply-To: buettneb@lan.informatik.tu-muenchen.dbp.de (Bernhard Buettner)
Organization: Inst. fuer Informatik, TU Muenchen, Germany
Lines: 13

>   In my log, I have HC8A's QSL instructions as QSL direct to
>
>    P.O. Box DX
>    Cuenca, Ecuador
>
>   I either got this info during the contest or a few days before
>   when HC8A was on the air. Either way, I think it came from HC8A.
>   I did QSL direct, but haven't seen the card yet.

This is the same address that was used by HD8EX some years ago.
Some of my friends are still waiting for the QSL... Good Luck!

Ben, DL6RAI


From -2392253412285299516
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcbff86ae533bc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 11:11:19 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: New License
Message-ID: <kTXFu4w163w@phoenix.com>
Date: 19 Dec 90 19:11:19 GMT
References: <C^K^&2$@rpi.edu>
Organization: One Man Brand
Lines: 8


luigi@aix02.aix.rpi.edu (John L Luigi Giasi) writes:

> In article <LZmeu2w163w@phoenix.com> stanley@phoenix.com (John Stanley) write
> >   The test will have 55 questions. To upgrade, you would take a test of
> Where did you get this one? The information I was given indicated

   I got it off THIS newsgroup.


From -1381545151085402212
X-Google-Language: ENGLISH,ASCII-7-bit
```

```
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 11:21:14 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!att!news.cs.indiana.edu!spool2.mu.edu!
sdd.hp.com!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!hplabs!hpl-opus!hpnmdla!
alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Ham licenses without Morse code -- News item
Message-ID: <1250312@hpnmdla.HP.COM>
Date: 19 Dec 90 19:21:14 GMT
References: <1990Dec14.012315.7858@zoo.toronto.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 26

In rec.ham-radio, look@s30.csrd.uiuc.edu (Stephen Look) writes:

>In article <1250308@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>>
>    [lots deleted]
>>
>>A complete packet station requires 1) 2-meter (etc.) radio, 2) TNC and
>>3) computer or terminal.  For a garden-variety AT, new synthesized radio
>>and packet-only TNC, we're talking, what $1500-$2000?  With a dumb terminal
>>and used radio, it's still in the $300-$500 range.  You can get a
>>good-condition Johnson Viking and Heath Mohawk receiver for way (WAY)
>>under $100!  :-)
>>
>-OR-
>you can get a used rock-bound HR-2B for $30, a HD4040 for $30 and use that
>VIC20 with a homemade terminal program that you just had laying around!
>Looks like about $60 to me.
>You don't NEED to spend money on new stuff for packet or any other mode.
>>
-OR-
you can use the Heath DX-20 and Hallicrafters SX-38 you had lying around.
Looks like $0 to me!  :-)

C'mon, clearly if you compare apples to apples CW is cheaper.

AL N1AL


From -5004669084591343284
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b39b51f887746cb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 11:21:26 PST
Path: gmdzi!unido!mcsun!uunet!samsung!interlan.InterLan.COM!interlan.interlan.com!
yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: 11 meter id with ham call?
```

Message-ID: <YETSKO.90Dec19142126@interlan.interlan.com>
Date: 19 Dec 90 19:21:26 GMT
References: <782.276F4DF3@w8grt.fidonet.org>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 12
In-reply-to: jim.grubs@w8grt.fidonet.org's message of 19 Dec 90 05:11:09 GMT

i
> In article <19267@unix.SRI.COM>, larson@snmp (Alan Larson) writes:
> >
> >p.s. Ever have the urge to ID at the end of a phone call? :-)
>
> No, but I have seen someone answer a phone and just say "QRZed?"

I've caught myself giving my call as I end my message to an answering machine.

Mike Yetsko
N1DVJ

From 3064871964095156057
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a0340e29e2ecb5c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 11:29:34 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!zaphod.mps.ohio-state.edu!samsung!interlan.InterLan.COM!interlan.interlan.com!yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: FCC ACTS ON CODELESS LICENSE
Message-ID: <YETSKO.90Dec19142934@interlan.interlan.com>
Date: 19 Dec 90 19:29:34 GMT
References: <781.276F4DED@w8grt.fidonet.org>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 18
In-reply-to: jim.grubs@w8grt.fidonet.org's message of 19 Dec 90 05:08:31 GMT

That was bottled up. What you saw was just what leaked out!

This is getting ridiculous. The deed is done, and regardless how people feel, they'd better make it positive.

Just the other night on a local repeater this was discussed, and this one ....INDIVIDUAL.......... (I'm bottled up again!!) started talking about no-code in HF ruining the hobby and about international treaty.
I TRIED to be polite, but after about 4 exchanges he INSISTED about moaning about how it was protected by treaty. I signed. You gotta remember about arguing with a rock. Teaching a pig to sing just annoys a pig, and he still won't sing. The rock won't even get annoyed.

But what got me was the attitude that HF was 'protected' and his attitude
of CW is HAM radio.

Mike Yetsko
N1DVJ

```
From 5923724449527092892
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 11:30:57 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: No-code license
Message-ID: <628@chiton.ucsd.edu>
Date: 19 Dec 90 19:30:57 GMT
References: <9012150044.AA01342@tilde> <24904@ucsd.Edu>
<4ea8a25f.20b6d@apollo.HP.COM> <205@platypus.uofs.edu>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 23
```

In article <205@platypus.uofs.edu> bill@platypus.uofs.edu (Bill Gunshannon) writes:

>
>I personally think the FCC should allow automatic packet from 26.5 to 28.0
>Mhz. It should give the computer hobbyist (both ham and non-ham) somewhere
>to run that USENET feed or FIDONET link. It should clear up the whole CB
>business in no time.
>And no, there is no smiley after the above.
>

Unfortunately this will drive the CBers up to 28.000 and above destroying the CW portion of the band. They are already transmitting there now and making portions of the CW band unusable.

AA6PN

--
richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

```
From 1551084941660214885
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b58523ec73eb5924
```

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 11:34:15 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Advice sought on UK to Japan communication
Message-ID: <1250313@hpnmdla.HP.COM>
Date: 19 Dec 90 19:34:15 GMT
References: <5305@baird.cs.strath.ac.uk>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 26

In rec.ham-radio, aiml@cs.strath.ac.uk (Alan Laird) writes:

>I wonder if someone could advise me on the feasability of
>using shortwave to communicate with a friend of mine whilst
>he is working at sea.

>He will probably be sailing out of Japan to Brueni (sp?).
>Is it possible to reach that part of the world from the UK ?
>At all ? Regularly ? If so, what sort of kit would be best
>(which band, output power etc.).

>I am new to the world of shortwave broadcasting so please
>keep the TLA's to a minimum.
>Many thanks.

My impression is that it is very difficult to get permission to operate an Amateur Radio station from a commercial vessel. You can't just use the ship's radio on the ham bands, because by law (at least for US-flag vessels) the Amateur and Commercial apparatus must be completely separate.

You can always send a message by commercial ship-to-shore radio. Don't know what it costs. If it's a small ship it likely will be sent by M**** c***. :-)

AL N1AL

From 400888471221O4772
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2e09e6eeb830269d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 11:36:00 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cunixf.cc.columbia.edu!cunixd.cc.columbia.edu!mig
From: mig@cunixd.cc.columbia.edu (Meir)
Newsgroups: rec.ham-radio
Subject: Re: Additional TH-75 mods.
Message-ID: <1990Dec19.193600.12429@cunixf.cc.columbia.edu>
Date: 19 Dec 90 19:36:00 GMT

References: <4189@network.ucsd.edu> <18230051@hpfcdj.HP.COM>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Organization: Columbia University
Lines: 34

In article <18230051@hpfcdj.HP.COM> myers@hpfcdj.HP.COM (Bob Myers) writes:
>>II. I was disappointed Kenwood didn't have a trickle charge feature for
>>the battery pack when you plug the radio into an external DC source.
>>This is easily modified, and the result works well keeping a 50ma.
>>charging current to the battery.
>
>This is probably not all that good an idea if you use the rig a lot on external
>DC. A simple charging system like this has no provision for ending the charge
>if the battery starts to overcharge, and it's voltage depression due to over-
>charging that really causes the NiCd problem that most think is "memory."
>(NiCd cells really don't have a true "memory" problem, at least not one
>which will normally be seen in the vast majority of applications. Details
>and references available on request.)
>
>
>
>Bob Myers KC0EW   HP Graphics Tech. Div.| Opinions expressed here are not
>   Ft. Collins, Colorado | those of my employer or any other
>myers@fc.hp.com | sentient life-form on this planet.

I wouldn't add trickle charging to my HT.
The ability to run the HT directly on DC without charging the battery is one
of the big reasons why I chose the TH-75A over other models!

When you say that "NiCd cells don't have a memory problem" do you mean that it
is not damaging to discharge them somewhat and then recharge them?
(recharging them when they have not been discharged to their rated discharged
voltage, but not OVERcharging them)
Also, is it really that damaging to leave NiCds on TRICKLE charge, let's say
6 ma for a 600 ma/H battery?

 * * * * * * * ======================= Meir Green
* * * * * * * * ======================= mig@cunixd.cc.columbia.edu
 * * * * * * * ======================= N2JPG

From -6757953785606771882
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f188aa81eabdffb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 12:04:19 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!ccwf.cc.utexas.edu
From: kipper@ccwf.cc.utexas.edu (Kip Ingram)
Newsgroups: rec.ham-radio
Subject: Chebychev Filters
Message-ID: <41662@ut-emx.uucp>
Date: 19 Dec 90 20:04:19 GMT
Sender: news@ut-emx.uucp

Reply-To: kipper@ccwf.cc.utexas.edu (Kip Ingram)
Organization: The University of Texas at Austin
Lines: 34

Hi. A quick question about Chebychev low pass filters. The ARRL Handbook says that the passband SWR depends on the passband ripple (bigger ripple, bigger SWR). My intuition tells me that that would only become a problem if you actually used the filter all over the passband; SOMEWHERE in the passband the high SWR would occur. If I'm running at a single, crystal defined frequency, can't I tune my antenna for good SWR regardless of my filter?

Also, a more theoretical question on filters. A low pass filter prevents high frequency energy from reaching the load. However, the filter is comprised only of inductors and capacitors, so it can't dissipate that energy. Furthermore, the filter components can't store it either, since that would result in a long term uptrend in stored energy which would violate the assumption that everything is steady state. The only place left for the energy to go is back to the source. So apparently a filter really functions as a reflector in its stopband, sending energy back to the source rather than allowing it to reach the load.

Of course, this means that the source must absorb all of the stopband energy. I'm building a QRP transmitter that filters a square wave to get a suitably pure sine wave. That's no problem. But if I add a power amp stage to get more power later, I think this means I should amplify the sine wave rather than the square wave. Because if I amplify the square wave and then filter it, the amplifier output stage will have to absorb the now amplified harmonic energy. Right?

Any feedback will be appreciated!

Thanks,
Kip Ingram
-->>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
A Tech is a Tech is a Tech; welcome, all who will operate with common
sense and consideration of others!
--->>>>>>>>>>>>>>>

From -1462145820327748368
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 12:11:34 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!ncar!midway!
midway.uchicago.edu!pbhx
From: pbhx@midway.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Message-ID: <1990Dec19.201134.14623@midway.uchicago.edu>
Date: 19 Dec 90 20:11:34 GMT
Sender: news@midway.uchicago.edu (News Administrator)

Organization: The University of Chicago
Lines: 23
References:<18323@shlump.nac.dec.com> <1990Dec19.012824.15145@athena.cs.uga.edu>
<4482@lib.tmc.edu>

In article <4482@lib.tmc.edu> jmaynard@thesis1.hsch.utexas.edu (Jay
Maynard) writes:
> edu (Michael A. Covington) writes:
> >(1) There is no longer a national need for fast CW operators. A 5 wpm
> >code exam is enough to make a ham "code-literate." After that, we
> >improve our speed if and when we need to for on-the-air usage.
>
> Tell that to KA5ZCK, who's sometimes addressed as Lieutenant Robert M.
> Craig, USNR-R. He's told me a couple of times that he's always looking
> for people to copy code, and was prepared to offer E-6 or E-7 enlistments
> (I think...don't hold me to that, but it was in that range) to people who
> could come in with demonstrated code proficiency in the 17-25 WPM range.
>

Sorry, but I don't understand your point. Are you suggesting that we should
continue to require this code speed in amateur radio so Navy recruiters
will have an easier job? If THEY need 17-25 wpm, let them provide the
training; we are not their farm team.

Peter B. Hayward   WX9T
University of Chicago Computing Organizations

From 6764151721198292878
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0c54d597d79c632
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 12:23:51 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!ncar!midway!
midway.uchicago.edu!pbhx
From: pbhx@midway.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: Re: Codeless Tech License
Message-ID: <1990Dec19.202351.14952@midway.uchicago.edu>
Date: 19 Dec 90 20:23:51 GMT
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 13
References:<661@ssc.UUCP> <1990Dec17.032209.28141@ux1.cso.uiuc.edu> <675@ssc.UUCP>
<47468@apple.Apple.COM>

In article <47468@apple.Apple.COM> kchen@Apple.COM (Kok Chen) writes:
>
> A colleague who was studying Morse has now stopped and is simply
> waiting for February to roll around.

As far as I know, there is no reason to wait until February. Have him take
the exams now, collect the Certificates of Sucessful Completion, and on
February 15 he can walk into the VE session and have them dispatch a
form 610 for him.

Peter B. Hayward   WX9T
University of Chicago Computing Organizations

From -4582367088211705125
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f42a6184f08f15f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 12:25:05 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!
wuarchive!mit-eddie!rutgers!bagate!cbmvax!atha!aupair.cs.athabascau.ca!lyndon
From: lyndon@cs.athabascau.ca (Lyndon Nerenberg)
Newsgroups: rec.ham-radio
Subject: Wanted: APLINK FTP site.
Message-ID: <524@aupair.cs.athabascau.ca>
Date: 19 Dec 90 20:25:05 GMT
Distribution: rec
Organization: Athabasca University
Lines: 9

Does anyone out there know of a site that offers APLINK for anonymous
ftp? Thanks.

--
    Lyndon Nerenberg VE6BBM / Computing Services / Athabasca University
        {alberta,cbmvax,mips}!atha!lyndon || lyndon@cs.athabascau.ca
                    Packet: ve6bbm@ve6mc [.ab.can.na]
      The only thing open about OSF is their mouth. --Chuck Musciano

From 6541571419067370194
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,545f34a36b9da3f6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 12:27:00 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
UNCG.BITNET!MOSIER
From: MOSIER@UNCG.BITNET (Steve Mosier)
Newsgroups: rec.ham-radio
Subject: Re: Herbie
Message-ID: <E9319B51A23FE06747@uncg.bitnet>
Date: 19 Dec 90 20:27:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24

There was a query several issues back from Kip Ingram concerning Herbie. I have not been able to reach Kip at any reasonable e-mail address so will ask here. He wrote:

> I almost hate to ask about this, but would someone please e-mail me a rundown
> of the "Herbie" situation? I listened in yesterday on 14.313. I heard Herb
> loud and clear; he seems to have a magnificent station. However, what I heard

> was a rational, reasonable man trying to enjoying chatting with other hams.
> He and his buddies were polite about letting other people join in.
>
> [portion deleted]
>
> Please, I'm terribly curious. Obviously there are a lot of hams out there
> that ABSOLUTELY DESPISE Herb. I heard them myself. What is Herb supposed to
> have done to P.O. these people so much? I didn't hear anything bad. ...

I didn't see any replies to this, but I, too, would like to know. I listened to 14.313 last night for the first time and, although there was a lot of lecturing on foreign affairs, I didn't hear any real objectionable material or operating practices. What's going on here?

steve - W3GRG

From -6096614488311797150
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,822014fa21599fe2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 12:47:26 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: Name of new TECHNICIAN LICENSE
Message-ID: <R02Fu10w163w@phoenix.com>
Date: 19 Dec 90 20:47:26 GMT
References: <1990Dec19.191525.21023@cbnewsj.att.com>
Organization: One Man Brand
Lines: 18

ker@cbnewsj.att.com (kenneth.roser) writes:

> The intent of the posting was to simplify the inevitable. People WILL
> ask what type of Technician you are just as they do today to differentiate
> between the 3A/3B Technicians and the 3A Technicians. I'm just proposing
> a shorthand name to use when one wants to differentiate amongst the
> different types of Technicians.
>

In perusing my copy of Part 97, I find paragraph 97.119(e), which says, in part, that operators who are using privileges based on a CSCE must add an indicator of this following the call sign. The Technician indicator is KT.

I used to hear this all the time. "KA1XYZ interim KT." "N0ABC temporary AG."

Has this part been rescinded, or is it just being ignored?

From 3424715702347763904
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,33f8d12d0dde30c2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,33f8d12d0dde30c2,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-19 12:55:08 PST
Path: gmdzi!unido!mcsun!uunet!comp.vuw.ac.nz!cc-server4.massey.ac.nz!G.Moretti
From: G.Moretti@massey.ac.nz (Giovanni Moretti)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Help: Optimal Coil Geometry for Metal Detector (+ideas)
Message-ID: <1990Dec19.205508.13947@massey.ac.nz>
Date: 19 Dec 90 20:55:08 GMT
Organization: Massey University, Palmerston North, New Zealand
Lines: 62
Xref: gmdzi sci.electronics:10296 rec.ham-radio:18225
X-Reader: NETNEWS/PC Version 2.1

Hi
I'm making a metal detector for my son's birthday - you know the sort of thing that it's obvious how it works and you just whip one up in an evening :-) Well I did that and I have a few questions ...

I'm using the two oscillators at about 300KHz mixed together and listening for the beat note. One of the oscillators is fixed and the other has the search coil as its inductance, so that its frequency will vary when metal is bought close to it.

I've prototyped it last night and it seems to work but it's not as sensitive as I'd like. When the oscillators are about zero beat (or close) you can detect (" denote INCHES):

(The round coil has about the same inductance as the oblong one - I didn't count its turns)

	COIL Shape and Turns	
OBJECT	15Turns 4" x 6"	4"diameter
3"*3" PC bare PC board	5"	4"
Bean Tin 5" diameter	7"	5"
Coin 1.5" diameter	2"	1"

The coil shape obviously has a marked difference on the sensitivity - what is the optimal shape and screening (ie should the coil be round, square, oblong, a spiral to encompass a lot of area, shielded)?

I'm aiming to be able to detect objects at greater distances that the above. Obviously the type of metal has an effect but there must be some general guidelines. Do you need different shaped coils for maximum sensitivity with different sized object? One magazine article suggested that the sensitivity was related to the ratio of the object size to the coil size, but didn't give any further guidelines :-(

The frequency I'm using is sort of mid-range, I didn't want to go too high in case the metals are too lossy - I know this sounds sort of vague, but I know for example that you don't use a nail as core for RF coils :-) Would a higher frequency be better?

The other sort of metal detector I know of has two coils are right angles to minimize the coupling between them, until some metal comes along. Is this type notably more sensitive?

A friend has just come in and suggested using a phase comparator as in 4046 VCO chip instead of listening to the beat note - Seems as though this might be too sensitive ???

Gian, my son is only seven and would be happy with the current version, but _I_ don't like not understanding the things I build :-)

Any suggestions would be welcome.

Thanks
Giovanni ZL2BOI

```
--
--------------------------------------------------------------------------------
Giovanni Moretti, Consultant       | G.Moretti@massey.ac.nz, Pkt-ZL2BOI@ZL2BFJ
Computer Centre,  Massey University| Ph 64 63 69099 x8398, FAX 64 63 505607
Palmerston North, New Zealand      | QUITTERS NEVER WIN, WINNERS NEVER QUIT
--------------------------------------------------------------------------------
```

From -4415444713424922963
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcbff86ae533bc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 12:55:16 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!elroy.jpl.nasa.gov!ncar!midway!midway.uchicago.edu!pbhx
From: pbhx@midway.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: Re: New License
Message-ID: <1990Dec19.205516.15882@midway.uchicago.edu>
Date: 19 Dec 90 20:55:16 GMT
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 21

References:<1990Dec18.153124.12173@pdn.paradyne.com> <LZmeu2w163w@phoenix.com>

In article <LZmeu2w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:

> The test will have 55 questions. To upgrade, you would take a test of
> 55 questions. To walk in cold (no license), you would take a test of 55
> questions. If you walk in and take the Novice test and decide that it
> was horribly easy, and then take the Tech test, you will take the Novice
> test, and then the full 55 question Tech test. You do not need to take
> the Novice written test to be a Tech.

Sorry, but I and the local VEC disagree with you on this. The 55 questions represent a two-part exam comprised of the existing Novice exam (30 questions) and the exisiting Tech exam (25 questions). If you have credit already for element 2 (the Novice written) you only have to take the Tech written.

The exam structure has not changed. Its just that elements 2 and 3 will get you a Tech license in mid-February.

Peter B. Hayward WX9T
University of Chicago Computing Organizations

```
From 6726904479153920556
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 13:16:41 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!usc!wuarchive!sdd.hp.com!
hplabs!hpfcso!vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Message-ID: <7500072@hpfcso.HP.COM>
Date: 19 Dec 90 21:16:41 GMT
References: <18323@shlump.nac.dec.com>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 16
```

/ hpfcso:rec.ham-radio / magid@esis.enet.dec.com (Joel Magid...) / 10:25 am Dec 18, 1990 /

> I wonder with all of the recent changes (technician and disability waiver) if the FCC has really gone far enough ?

No. They should remove all voice privileges from 20 meters and make it a digital only band (for the U.S.) like 30 meters.

That would solve lots of problems.

Bill - WA7NWP

p.s. :-)

From -3233302732286897842
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 13:28:00 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!agate!ucbvax!
CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: Did the FCC go Far enough this time .....
Message-ID: <9012192128.AA05068@ucsd.edu>
Date: 19 Dec 90 21:28:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1

CPO. :-)

From -1118233894433161550
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9202acb5cb8e6350,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 13:32:15 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
unix.cis.pitt.edu!dsinc!netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio
Subject: And the war rages on!!!
Message-ID: <208@platypus.uofs.edu>
Date: 19 Dec 90 21:32:15 GMT
Organization: University of Scranton, Scranton, PA
Lines: 23

You know, I thought now that the FCC had finally acted and created a class of license that did not require CW, the endless debate would finally come to an end.

```
I was wrong.  :-(


bill    KB3YV

--

     Bill Gunshannon          |        If this statement wasn't here,
     bill@platypus.uofs.edu   |  This space would be left intentionally blank


From 8389219644279633032
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcbff86ae533bc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 13:33:33 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!apple!netcom!edg
From: edg@netcom.UUCP (Edward Greenberg)
Newsgroups: rec.ham-radio
Subject: Re: New License
Message-ID: <19131@netcom.UUCP>
Date: 19 Dec 90 21:33:33 GMT
References: <1990Dec18.153124.12173@pdn.paradyne.com> <LZmeu2w163w@phoenix.com>
Organization: Netcom- The Bay Area's Public Access Unix System {408 241-9760
guest}
Lines: 13

In article <LZmeu2w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
>   Why not just get on the air, use a fake call, give out your name and
>address, and interfere with as many commercial broadcasters as you can.
>They will call you. ;-)

That was tasteless and un-called-for.  The individual posting is
interested in ham radio, not smartass remarks. Your information regarding
the upgrade process is not in accordance with what's been previously
posted.  Please lighten up.
--
Ed Greenberg           WB2GOH/6
edg@netcom             {amdahl | amdcad | apple}!netcom!edg
CompuServe: 76703,1070      Packet Radio: WB2GOH @ N6LDL.CA.USA.NA


From 5845651815888234849
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6dea4a1f85d339f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,b6dea4a1f85d339f,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-12-19 13:38:40 PST
Path: gmdzi!unido!mcsun!uunet!isis!scicom!wats
From: wats@scicom.AlphaCDC.COM (Bruce Watson)
```

Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Shortwave radios illegal?
Message-ID: <9158@scicom.AlphaCDC.COM>
Date: 19 Dec 90 21:38:40 GMT
Followup-To: sci.radio.shortwave
Organization: Alpha Science Computer Networks, Denver, Co.
Lines: 21
Xref: gmdzi rec.radio.shortwave:3181 rec.ham-radio:18218

Every Saturday afternoon National Public Radio brings you
Car Talk starring the click and clack brothers Maliacci (sp?).
Each week they give a stumper question the answer to be
reveiled the following week. Most of the questions are about
cars but last weeks went somthing like:

A woman brings in something electrical to a repair shop.
The repairman says: I haven't seen one of these for awhile.
they used to be illegal.

A group of us brainstormed that one for awhile but didn't get
close to the answer, even though one of us is a SWL.

The 1990 Passport to world band radio has an article concerning
forbidden listening in various countries. It says that during
WWII German and Italian nationals (not citizens) in the US
possessing SW radios were required to surrender or render the
SW bands inoperative.

But did this apply to US citizenry at large?

From -1879815950581767263
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 14:05:03 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: No-code Technicians
Message-ID: <25077@ucsd.Edu>
Date: 19 Dec 90 22:05:03 GMT
References: <9012181514.AA21309@tilde>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 29

In article <9012181514.AA21309@tilde> dube@cpdvax.csc.ti.com writes:
>So, now comes Brian, who says that it doesn't matter which set of privileges
>have been earned by the operator. What's your call sign and class of license,
>Brian? Do you feel that there should be no class distinction? If so, why not
>just say it. Form a protest to change the current system to a classless

>system.

My primary station callsign is WB6CYT; it's a Technician operator class and has been since I first became a ham 20 years ago.

Yes, I believe in a classless amateur radio service.

I've sent you a copy of my filing with the FCC under a separate cover; those paying attention have seen it posted here before so I won't inflict it on them again. Briefly, it maintains that there should only be two classes of license - one with code to satisfy international requirements for operation below 30 MHz, and the other without code. Both would have a simple exam sufficient for the applicant to prove that he knows enough to operate a ham station without causing interference to others hams and services - NOTHING MORE IS NEEDED. I propose that the ARRL issue technical certificates of achievement (just as they do now for code proficiency) to appease those who need paper to document their achievements.

As you requested, a copy of the appropriate Usenet RFCs are also on the way to you; you'll find in there the requirement to include a subject in the posting of a message, which your broken news software isn't doing.

Brian Kantor WB6CYT   UC San Diego   brian@ucsd.edu

From 1929624103487894323
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0c54d597d79c632
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 14:09:49 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cunixf.cc.columbia.edu!cunixa.cc.columbia.edu!cy5
From: cy5@cunixa.cc.columbia.edu (Conway Yee)
Newsgroups: rec.ham-radio
Subject: Re: Codeless Tech License
Message-ID: <1990Dec19.220949.12753@cunixf.cc.columbia.edu>
Date: 19 Dec 90 22:09:49 GMT
References: <785.276F70E6@w8grt.fidonet.org>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Organization: Columbia University
Lines: 27

In article <785.276F70E6@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>
>I have been thinking about all of the reports similar to this that I have
>heard, and it suddenly dawned on me that perhaps part of the opposition to
>no-code was the desire of some to keep ham radio down at the slow, lotech
>level they can keep up with.

I must disagree. IMHO, much of the opposition is due to the "because I went through this shit, you must go through this shit" syndrome. This phenomena is most clearly observed in the treatment of medical interns/ residents but can be discerned here also.

To put in my $0.02, I am not in favor of dropping or lowering code requirements. The only reason why I got my Tech license was because of the challenge of learning code. IMHO, the fun would be lost in upgrading if the code requirements were eliminated. Most of the sense of accomplishment is from the code. The theory is bullshit. How could it be otherwise when the FCC gives us both the questions and the answers?

Of course, this is only in my case. Others may (and probably don't) find satisfaction in the challenges of learning code. Oh well. Hopefully, I will have the time to work on my code speed and take the General exams.

Conway Yee, N2JWQ
yee@ming.mipg.upenn.edu (preferred) 231 S. Melville St.
cy5@cunixa.cc.columbia.edu (forwarded to above) Philadelphia, Pa 19139
yee@bnlx26.nsls.bnl.gov (rarely checked) (215) 386-1312

From -3128118760546311672
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab4a5a9336224655
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 14:17:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: New Code-free Technician class license
Message-ID: <629@chiton.ucsd.edu>
Date: 19 Dec 90 22:17:19 GMT
References: <9012171351.AA00050@rtp40.dg.com> <40089@genrad.UUCP> <5306@rsiatl.Dixie.Com>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 20

In article <5306@rsiatl.Dixie.Com> jgd@Dixie.Com (John G. DeArmond) writes:
>dls@genrad.com (Diana L. Syriac) writes:
>
>We have some more to do before we achieve the ultimate goal - the
>total elimination of CW as a licensing requirement but this is a start.

Keep dreamin' me bucko.....

AA6PN

--
richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From -6195578647464682826
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db799ded972c31ac
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 14:26:43 PST
Path: gmdzi!unido!mcsun!uunet!cadence!jdm
From: jdm@cadence.com (Joe Mastroianni)
Newsgroups: rec.ham-radio
Subject: Re: Major E.H. Armstrong 100th Anniversary Special Event
Message-ID: <1990Dec19.222643.24570@cadence.com>
Date: 19 Dec 90 22:26:43 GMT
References: <Dec.3.09.43.40.1990.17211@galaxy.rutgers.edu> <721@ghp.UUCP>
<12211@bsu-cs.bsu.edu>
Sender: Joe Mastroianni
Organization: Cadence Design Systems, Inc.
Lines: 46

In article <12211@bsu-cs.bsu.edu> skyrider@bsu-cs.bsu.edu (Bill Morris) writes:
>In article <721@ghp.UUCP>, jim@ghp.UUCP (Jim Stewart) writes:
>> >Major Edwin Howard Armstrong, famed radio pioneer was born on Dec 18, 1890,
>> >and fell to his death on Feb 1, 1954.
>>
>> How did he fall??
>
>easy. Committed suicide by literally walking out of a window ten stories
>up. Seems he just wanted to give up fighting for the rights to own FM.
>
>Too bad. If he lived, he could've seen that he won in the end, and see
>the rise of FM in this country.

If I remember correctly, he had lost his patent battle with none other
than the mega-conglomorate RCA (with whom I was employed when I read
Armstrong's biography). His widow won back those rights in the '60s
(if I remember --- can someone with the book handy correct me?).

At the time, the late great RCA had a team of stratospherically priced
lawyers who were very good at proving RCA engineers had invented everything
RCA felt it wanted. Armstrong was one of many victims.

However, on the positive (or humourous) side -- I remember having a
conversation with one of RCA's chief scientists before the demise of the
company at the hands of neutron Jack. Our conversation took place in
1981 if my memory serves me. The scientist said that RCA had just discovered
in its archives that it had "the" patent on video text. That is, any textual
display on a cathode-ray tube. It seems it was invented by an RCA radar
engineer during WWII to help mark data on a radar screen. RCA had never

sought to enforce the patent, and even though it had been renewed through the standard procedures the statute of limitations on that sort ofthing had run out. RCA had 3 months with which to bring its case against all manufactures of computer peripheral and display equipment to try to collect. He had been brought in as the "technical expert" to testify.

Naturally, RCA didn't stand a chance. However, some of the companies threatned by RCA's suit decided to settle anyway..to the tune of several hundred million American Samoleans.

Then, of course, GE came in and tore RCA to shreads in good old American Entrepeneurial style and left only scorched earth. So, much for good old General Sarnoff and a lot of people involved in the beginning of radio.

It was kind of a neat place to work, for a while.

Joe

From 6865897604568682951
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 14:34:31 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!news.cs.indiana.edu!att!pacbell.com!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9012192234.AA28592@tilde>
Date: 19 Dec 90 22:34:31 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25

From k3tx@wells.UUCP (Dave Heller):

(Subject: Re: A New Problem)

>How about goint to a VE session and becoming a General or better.
>
>***How many reading this know the real origin of the *fancy* setup of callsigns
>the USA is blessed with?   ^^^^
>
>And *puzzle* I went into the FCC office and took the 13 wpm code test. I did
>not pass. I left that same day with my General license. (Back then the 30
>day wait rule was inviolate. And the FCC examiner did NOT make any mistake.)

No puzzle! The General Radiotelephone license requires a heckuva lot more technical knowledge than the General class Ham license, but no CW or operating practices knowledge. But then it doesn't convey the Amateur privileges. Always wondered why it was that the G.R.T. holder can work on all sorts of transmitting equipment, yet couldn't even use Novice privileges. Certified technical prowess apparently isn't the only requirement for being a Ham.

73,
Dube   N5PDK

"Why waste time learning, when ignorance is instantaneous?" -Hobbes

From -3453784636738464214
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 14:40:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Message-ID: <4485@lib.tmc.edu>
Date: 19 Dec 90 22:40:58 GMT
References: <1990Dec19.012824.15145@athena.cs.uga.edu> <4482@lib.tmc.edu> <1990Dec19.201134.14623@midway.uchicago.edu>
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 18
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <1990Dec19.201134.14623@midway.uchicago.edu> pbhx@midway.uchicago.edu (Peter B. Hayward) writes:
>Sorry, but I don't understand your point. Are you suggesting that we should
>continue to require this code speed in amateur radio so Navy recruiters
>will have an easier job? If THEY need 17-25 wpm, let them provide the
>training; we are not their farm team.

My comment was in direct response to the statement that "there is no national need for fast CW operators." The Navy officially disagrees...else they wouldn't offer comparatively high-grade enlistments to CW operators.

Further, I'll point out that ham radio has historically been the military's farm team. Why do you think they're so high on ham radio? It's not just because of the frequencies we could make available to them...

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
  "...flames are a specific art form of Usenet..." -- Gregory C. Woodbury

From 4766432971518722376
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-12-19 14:58:45 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9012192258.AA00358@tilde>
Date: 19 Dec 90 22:58:45 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 35

In <mcovingt@athena.cs.uga.edu (Michael A. Covington)> Michael says:

(Re: Re: A New Problem)

>The first wave of new Techs will be families of hams, and people who have been on the periphery of ham radio for some time (e.g., serious SWLs), and I expect these people to be very well behaved and to respect what's valuable in the traditions of ham radio.
>
>The next wave will be serious electronics enthusiasts and the like.
>
>I think that CBification will not happen, because people who just want to talk on the air will be rather put off by the theory exam. You have to remember that to someone with no electronics background, the Technician theory exam is not trivial.
>

While the material itself is not trivial, the exams are. There is living proof right here on this net that you can get a tech and above without any real technical knowledge. All you need is the ability to memorize. Check it out. Round up 25 ticket-holders and give 'em a no-notice exam for their class of license. See how many pass.

>And most of all, the process of studying for the theory exam will create a sense of commitment the same way that learning the code does.

I'm still skeptical. Suppose there is a big hue and cry to eliminate the theory exams? (to get more people into Amateur Radio, of course) CB-ification will have been achieved. Can't happen, you say? Well, they said a No-Code Ham license would never happen several years ago. Never say Never.

73,
Dube   N5PDK

"Why waste time learning, when ignorance is instantaneous?" -Hobbes

From 8193847475736389795
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 15:13:44 PST

Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!rpi!uupsi!
fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Message-ID: <L29Fu2w163w@phoenix.com>
Date: 19 Dec 90 23:13:44 GMT
References: <1990Dec19.201134.14623@midway.uchicago.edu>
Organization: One Man Brand
Lines: 13

pbhx@midway.uchicago.edu (Peter B. Hayward) writes:

> Sorry, but I don't understand your point. Are you suggesting that we should
> continue to require this code speed in amateur radio so Navy recruiters
> will have an easier job? If THEY need 17-25 wpm, let them provide the
> training; we are not their farm team.

97.1(d) Expansion of the existing reservoir within the amateur radio
service of trained operators, technicians, and electronics
experts.

From -1273455184377007182
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a0340e29e2ecb5c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 15:24:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!
maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: FCC ACTS ON CODELESS LICENSE
Message-ID: <1990Dec19.232400.18544@ux1.cso.uiuc.edu>
Date: 19 Dec 90 23:24:00 GMT
References: <748.2767FFE5@w8grt.fidonet.org> <5843@qip.UUCP>
Organization: University of Illinois at Urbana
Lines: 9

john@qip.UUCP (John Moore) writes:

>I do wish that they would have a different call sequence for codeless
>(or is the PC term "lesser abled"?) tech licenses - it would make
>enforcement work a little bit easier.

...until all the technocodes who upgraded started keeping their calls.

I really don't see much of a need.

From -9042184754882998554
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcbff86ae533bc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 15:30:20 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: New License
Message-ID: <0s0Fu4w163w@phoenix.com>
Date: 19 Dec 90 23:30:20 GMT
References: <19131@netcom.UUCP>
Organization: One Man Brand
Lines: 13

edg@netcom.UUCP (Edward Greenberg) writes:

> That was tasteless and un-called-for. The individual posting is
> interested in ham radio, not smartass remarks. Your information regarding
> the upgrade process is not in accordance with what's been previously
> posted. Please lighten up.

Oh, lighten up yourself. Geeze, Louise. What I posted is a rehash of what's already been posted here. If that is wrong, go after the original incorrect poster. If I really had wanted to be smartass, I would have told the questioner to read the traffic that had already been on the net. I.e RTFN.

From -6754228838980034540
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcbff86ae533bc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 15:31:49 PST
Path: gmdzi!unido!mcsun!uunet!samsung!news.cs.indiana.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: New License
Message-ID: <1990Dec19.233149.19114@ux1.cso.uiuc.edu>
Date: 19 Dec 90 23:31:49 GMT
References: <1990Dec18.153124.12173@pdn.paradyne.com> <LZmeu2w163w@phoenix.com>
Organization: University of Illinois at Urbana
Lines: 14

stanley@phoenix.com (John Stanley) writes:

>> 2. Does anyone have a phone number to the FCC for general info regarding
>>   Amateur radio?

>   Not off hand. Isn't it in the rulebook you keep by your rig?

>   Why not just get on the air, use a fake call, give out your name and
>address, and interfere with as many commercial broadcasters as you can.
>They will call you. ;-)

Better yet, they will pay you a personal visit, and bring along some
of their associates. And they won't even be squeemish about not waiting
until 8 AM should they happen to arrive at 2 AM.

From -5619304652565102179
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10cfc2c9d120d5f3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,10cfc2c9d120d5f3
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-19 15:32:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!uunet!futures!asylum!osc!jgk
From: jgk@osc.COM (Joe Keane)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: Call for Discussion, pass two: reorganization of rec.ham-radio.*
Summary: Here are a few suggestions.
Keywords: rec.ham-radio, reorganization
Message-ID: <4101@osc.COM>
Date: 19 Dec 90 23:32:22 GMT
References: <Dec.16.16.50.27.1990.21670@turbo.bio.net>
Reply-To: jgk@osc.COM (Joe Keane)
Followup-To: news.groups
Organization: Versant Object Technology, Menlo Park, CA
Lines: 29
Xref: gmdzi news.groups:23784 rec.ham-radio:18267

The proposal looks pretty good overall. It definitely makes sense to unify
things under a `rec.radio' category.

I don't know about replacing `ham' with `amateur'. I think most people would
call themselves `hams' and not `amateurs'. Besides, `ham' is easier to type.
Basically, it doesn't seem to me like there's a good enough reason to change
it from what it was. But i don't think it makes a big difference either way.

I think that it'd be useful to have a separate `tech' group. Questions like
``What sort of cut-off slope can i get with so-and-so filter?'' don't really
belong in a general group. Regarding flames, the `legal' group is supposed to
take care of that, so i don't see why that should stop us from creating
another group. And regarding gatewaying, i don't see why both groups couldn't
be gatewayed together. The mailing list members need never know there are two
separate groups.

Finally, i'd recommend that the left-over group be specifically called `misc'.
I think this encourages people to classify their discussion into the right
group, rather than just dumping it all in a parent group. There's already at
least three subgroups, and most likely more will be added in the future. So
we might as well do it right to start.

Therefore my proposal is the following:

rec.radio.ham.legal
rec.radio.ham.misc   (from rec.ham-radio)
rec.radio.ham.packet (from rec.ham-radio.packet)
rec.radio.ham.swap   (from rec.ham-radio.swap)
rec.radio.ham.tech

From -3633894502198375959
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0cbf058ef8fae0f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 15:32:45 PST
Path: gmdzi!unido!mcsun!uunet!samsung!rex!rouge!pc.usl.edu!jpd
From: jpd@pc.usl.edu (Dugal James P.)
Newsgroups: rec.ham-radio
Subject: TH-27a AM mode info
Message-ID: <21115@rouge.usl.edu>
Date: 19 Dec 90 23:32:45 GMT
Sender: anon@rouge.usl.edu
Organization: Univ. of Southwestern La., Lafayette
Lines: 28
Originator: jpd@pc.usl.edu

TH-27A AM mode info, obtained from N5OFF, who got it from Kenwood:

When the TH-27a is placed in the AM mode, the microprocessor sends control information to IC1 on the RF board. The microprocessor also turns on Q210 on the IF board. IC1 tunes the receiver front end band pass filter circuits and turns on Q4. Q4 passes the 5 volts supplied from Q210 to the AM circuit on the IF board.

The AM circuit board (x58-3750-00) contains IC51, Q51, Q52, and Q53. The AM detector, IC51, receives the khz IF signal from the IF filter CF201. The AM detector passes the recovered audio to amplifier Q53. This transistor passes the amplified audio to the transceiver's squelch and audio circuits. Amplifier Q51 provides agc to IF amplifier Q41. Transistor Q52 is used to turn off the FM detector circuits when the transceiver is in the AM mode.

The radio is placed in the AM mode by holding the f key for 1 second, and then pressing the mhz key. The AM range is restricted to 118-135.995 mhz, retaining step and squelch functions.
The AM actually sounds quite good for such a small speaker, and sensitivity appears to be as good as an airband scanner on a comparable antenna.

--
-- James Dugal,   N5KNX   Internet: jpd@usl.edu
Associate Director   Ham packet: n5knx@k5arh
Computing Center   US Mail: PO Box 42770 Lafayette, LA 70504

University of Southwestern LA.   Tel. 318-231-6417 U.S.A.

From 2358558674417259441
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f79964d9772b520a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 15:40:33 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!rex!rouge!pc.usl.edu!jpd
From: jpd@pc.usl.edu (Dugal James P.)
Newsgroups: rec.ham-radio
Subject: TH-27a & TH-77a sensitivity measurements
Message-ID: <21116@rouge.usl.edu>
Date: 19 Dec 90 23:40:33 GMT
Sender: anon@rouge.usl.edu
Organization: Univ. of Southwestern La., Lafayette
Lines: 107
Originator: jpd@pc.usl.edu

Tom, N5OFF, and I made some sensitivity measurements on the Kenwood TH-27a and TH-77a handhelds. Results follow:

SENSITIVITY MEASUREMENTS
TH-27A   12/18/90
USING AN IFR MOD 1000S SERVICE MONITOR
REFERENCE IS 1 LED SEGMENT LIT
1000 HZ TONE

FREQ. MHZ	SIGNAL MICROVOLTS	
118	1.7	AM
120	1.5	
122	0.9	
124	0.9	
126	0.9	
128	0.9	
130	0.8	
132	0.8	
134	0.8	
136	0.8	
136	0.5	FM
138	0.4	
140	0.4	
142	0.3	
144	0.3	
146	0.3	
148	0.4	
150	0.4	
152	0.4	
154	0.4	
156	0.5	
158	0.5	

160	0.5
162	0.6
164	0.8
166	0.8
168	0.8
170	1.0
172	1.3
174	1.5
200-400	NO RX

SENSITVITY MEASUREMENTS
TH-77A
SAME MEASUREMENT AS FOR TH-27A
REFERENCE IS 2 LCD SEGMENTS LIT

FREQ. MHZ	SIGNAL MICROVOLTS	
118	1.6	AM
123	0.5	
128	0.5	
133	0.7	
136	0.8	
136	0.3	FM
141	0.3	
146	0.4	
151	0.4	
156	0.4	
161	0.5	
166	1.0	
171	2.0	
174	2.5	

FREQ. MHZ	SIGNAL uV. VHF VFO	SIGNAL uV. UHF VFO
400	8.0	NO RX
410	3.0	20.0
420	2.0	5.0
430	0.8	1.0
440	0.5	0.3
450	0.7	0.3
460	1.0	NO RX (birdie?)
470	1.7	3.5
480	3.0	20.0
490	5.0	40.0
500	7.0	50.0
512	NO RX	80.0
800		30.0
810		15.0

820	5.0
830	3.0
840	2.0
850	1.7
860	NO RX
870	3.5
880	4.5
890	5.0
900	6.0
910	8.0
920	11.0
930	15.0
940	15.0
950	15.0

--
-- James Dugal,   N5KNX   Internet: jpd@usl.edu
Associate Director   Ham packet: n5knx@k5arh
Computing Center   US Mail: PO Box 42770 Lafayette, LA 70504
University of Southwestern LA.   Tel. 318-231-6417 U.S.A.

From -3870388513647988063
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 15:46:42 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!usc!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Not a new problem - A new Challenge
Message-ID: <7880392@hpfcdc.HP.COM>
Date: 19 Dec 90 23:46:42 GMT
References: <41520@ut-emx.uucp>
Organization: HP Fort Collins, Co.
Lines: 10

>Uh oh. Here comes another big bad issue for everyone to kick around. I
>actually heard most of the participants on BOTH SIDES of the "Herbie" thing
>agree on something: on 2 meters, no one, and they meant NO ONE, was to talk
>to those "d#%$ no-code Technicians."

So what's the problem ? As long as the lids on 14.313 don't infect the new Techs with their liddishness, that's just fine with me.

Perry / KF0CA

From -7716004181894762651
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 15:57:22 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!voder!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: CB-fication of ham radio?
Keywords: NoCode
Message-ID: <1990Dec19.235722.20482@informix.com>
Date: 19 Dec 90 23:57:22 GMT
References: <4ea88b70.20b6d@apollo.HP.COM>
<1990Dec18.044632.1032@athena.cs.uga.edu> <4471@lib.tmc.edu>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 45

In article <4471@lib.tmc.edu> jmaynard@thesis1.hsch.utexas.edu (Jay Maynard) writes:
>I wish you were right...but the canonical comment of those who operate between
>27.405 and 28 MHz is, "I'd get a ham license if it weren't for that #$%@#$^
>code." Those people will rush to get no-code licenses. That's what frightens
>me about no-code, and _nobody_ has yet shown me that that fear is unfounded.

I hear what you are saying ... that all those screwball CBers will jump up to 2 meters now that we have no-code. You may be right, but I disagree. The same argument was made against the ARRL's pre-WARC-79 recruitment effort, which concentrated on CBers because of the 70's CB craze. Ham radio did not shrivel and die, and very rarely was the word "breaker" heard on any band but 11 meters.

I just don't think the mentality of some of those folks is right for ham radio, so they won't be interested. They're happy where they are. They don't need or want a stricter environment. Can you imagine a conversation like this on CB:

HIGH STEPPER: (whistle into the mike) Ahhhhhhhdeeeeeooooohhhhh ah break breaker, breaker, breaker, good buddy, this be the one duck-pluckin' high-stepper, wall to wall and treetop tall. Rubber duck, ya got yer ears on?

RUBBER DUCK: Dat be fo' duck-puckin' sho', high-stepper. Ya hear dat ders a new license for ham radio where ya don't need to know dat morse code stuff?

H.S.: Dat's a big 10-4, good buddy. Say, lez say we go down to da Ham Radio Outlet and buy us an Icom, so's we can work dat 2 meter band. I'll bet we'd be able to find more Smokeys with dat 2 meters. And we probably be able to talk more skip too.

R.D.: Dat be for duck-pluckin' sho! Will my black box (linear amp) work on dat 2 meters?

Something tells me that such conversations are NOT gracing the CB band today.

--

```
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                          Informix Software, Inc.
Senior Programmer/Analyst, MIS                    uunet!pyramid!infmx!randall
```

```
From 212819977012537723
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3b764418aaef421b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 15:57:58 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Doing Crossword Puzzles in Ink
Message-ID: <7880393@hpfcdc.HP.COM>
Date: 19 Dec 90 23:57:58 GMT
Organization: HP Fort Collins, Co.
Lines: 12
```

My wife (yes, she does crossword puzzles with a pen), upon hearing about the no-code Tech license, said "But I don't want to talk on the radio, I just want to learn Morse Code !". After achieving Tetris level 9 height 4, she's looking for a new game. I gave her the "Tune in the World" tapes. I'm curious to see how far she goes.

The other funny part is that she feels less confident about learning the technical stuff (which was trivial for me). It takes all kinds, I guess.

Perry / KF0CA

```
From -2639825949365626218
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7b579cb5c67f472c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 17:44:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!portal!cup.portal.com!Jeepster
From: Jeepster@cup.portal.com (John L Ferguson)
Newsgroups: rec.ham-radio
Subject: Re: new technician class
Message-ID: <37097@cup.portal.com>
Date: 20 Dec 90 01:44:58 GMT
References: <787.276F70F5@w8grt.fidonet.org>
Organization: The Portal System (TM)
```

```
Lines: 14

In article <116@canada.sbi.com> jerrys@canada.sbi.com (Jerry Simonowits)
writes:
 > ]And, if we are supposed to be self policing, and I hear a technician
 > talking
 > ]on 10 meters, how do I know if he is legal or not ???

My call - KB0HBX - is a general call.  How does someone not mistake it
for a novice call?  (actually, I'm getting a new one since I made
advanced - my own incentive as it were).

Jeepster@cup.portal.com         Who, me?


John



From -1628193909406325559
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e95dda0a920dcfa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 18:31:57 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!apple!voder!pyramid!infmx!
randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: There is no 'CW-only' segment!
Message-ID: <1990Dec20.023157.26091@informix.com>
Date: 20 Dec 90 02:31:57 GMT
References: <19.Dec.90.10:27:13.GMT.#3387@UK.AC.NWL.IA>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 14

In article <19.Dec.90.10:27:13.GMT.#3387@UK.AC.NWL.IA> PJML@ibma.nerc-
wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon") writes:
>This is *NOT TRUE*!
>Most of the World has *NO* 'CW Only', 'Phone-only' sub-bands. It is only
>a result of the FCC licensing policy that the USA has these restrictions.
>There is *NOTHING* in ITU regs. to give foundation to the US restrictions;
>the restrictions are there through the whims of the FCC.

Correct. Take Canada for example.  You sometimes hear Canadians
on "CW-only" frequencies in the U.S.
--

=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                          Informix Software, Inc.
Senior Programmer/Analyst, MIS                    uunet!pyramid!infmx!randall


From 6457428603974113573
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 17:19:42 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Message-ID: <1990Dec19.011942.5840@NCoast.ORG>
Date: 19 Dec 90 01:19:42 GMT
References: <18323@shlump.nac.dec.com>
Reply-To: allbery@ncoast.ORG.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 30

As quoted from <18323@shlump.nac.dec.com> by magid@esis.enet.dec.com (Joel Magid...):

```
+---------------
|    1. Wouldn't it have been nice to see the FCC change the requirements
|       for elements 1B and 1C to something like the following:
|
|         1A code @ 5WPM
|         1B computer operations (basic understanding)
|         1C computer    "       and theory (advanced)
+---------------
```

Too much emphasis on computers. I wouldn't mind seeing:

```
     1A   5wpm code
     1B   digital modes (RTTY, AMTOR, packet, etc.) and computers
     1C   Video/facsimile (fax, SSTV, ATV...)
```

HOWEVER: if we do this, I would change these to endorsements. It doesn't make sense to consider 1A (or, for that matter, 1B) a prerequisite for 1C.

I don't expect to see this any time soon; the FCC would have a screaming $#!+ fit over the paperwork. But it seems more rational than the current system --- and it can be combined with an incentive licensing system if desired. One that actually *provides* an incentive, by strong preference....

++Brandon

```
--
Me: Brandon S. Allbery              VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR              AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

From -4435985813355662992
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e943e7428916c16

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,8e943e7428916c16
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-18 17:26:15 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!milton!
dali.cs.montana.edu!caen!sdd.hp.com!usc!cs.utexas.edu!tut.cis.ohio-state.edu!
usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: ELMER
Message-ID: <1990Dec19.012615.5960@NCoast.ORG>
Date: 19 Dec 90 01:26:15 GMT
References: <766.276A62DD@w8grt.fidonet.org>
Reply-To: allbery@ncoast.ORG.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 20
Xref: gmdzi rec.ham-radio:18169 rec.ham-radio.packet:3257

As quoted from <766.276A62DD@w8grt.fidonet.org> by jim.grubs@w8grt.fidonet.org (Jim Grubs):
+---------------
| After only two days since the FCC no-code Technician Class
| announcement, I have already started to receive requests from
| people intersted in getting me to revive the ELMER echo. What
| about it, all you Elmers, think we can make it go this time?
+---------------

Ncoast used to run a usenet-fido gateway before "ohionet" went away. We're still willing and able, and have at least two hams resident to help out (N8HSP Terry Bell and myself). And Terry's working on a packet gateway that could conceivably be integrated into it. (Now all I need is a spare computer and HF rig so I can add APLINK ;-)

++Brandon
--
Me: Brandon S. Allbery   VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG   Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR   AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery   Delphi: ALLBERY

From -7116225464012778860
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,71457daeb20d3d57,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 17:27:41 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!
hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Re: Help convert tv ant to 2m yagi
Message-ID: <7880391@hpfcdc.HP.COM>

Date: 19 Dec 90 01:27:41 GMT
References: <2584@cod.NOSC.MIL>
Organization: HP Fort Collins, Co.
Lines: 17

>So the next
>project is too convert it to a 144 es 440 yagi. Anyone got any ideas?
>73, ted
>n6trf

I built the same project, and it works pretty well. 120 miles on an HT
is so gratifying :-)

If you want 440, maybe just drill holes in the boom for the directors
and reflectors and use bronze brazing rod. You could use a scavenged TV
element for the split-DE w/ hairpin. There are element scaling
equations in the ARRL Antenna book. The Antenna book also has equations
for optimal long-boom yagis, which would make sense for the 440 yagi on
a 6' boom.

Perry
KF0CA

From -4125971790455799248
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 17:28:24 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Message-ID: <1990Dec19.012824.15145@athena.cs.uga.edu>
Date: 19 Dec 90 01:28:24 GMT
References: <18323@shlump.nac.dec.com>
Organization: University of Georgia, Athens
Lines: 15
Posted: Tue Dec 18 17:28:24 1990

I agree. I think that...

(1) There is no longer a national need for fast CW operators. A 5 wpm
code exam is enough to make a ham "code-literate." After that, we
improve our speed if and when we need to for on-the-air usage.

(2) There *is* a national need for people who understand computer
communications -- *and* a need to attract computer enthusiasts into
ham radio.

THEREFORE, I think hams ought to be able to offer exams on computer
communications in lieu of the 13 and 20 wpm code exams!

vy 73 de N4TMI
.

From 5442656624481253619
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a0340e29e2ecb5c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 17:39:46 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: FCC ACTS ON CODELESS LICENSE
Message-ID: <1990Dec19.013946.15359@athena.cs.uga.edu>
Date: 19 Dec 90 01:39:46 GMT
References: <748.2767FFE5@w8grt.fidonet.org> <5843@qip.UUCP>
Organization: University of Georgia, Athens
Lines: 13
Posted: Tue Dec 18 17:39:46 1990

In article <5843@qip.UUCP> john@qip.UUCP (John Moore) writes:
>
>I do wish that they would have a different call sequence for codeless
>(or is the PC term "lesser abled"?) tech licenses - it would make
>enforcement work a little bit easier.
>

I'm glad they didn't. Too many antiquarians are threatening to ostracize
the new hams.

Anyhow, distinctive call signs don't give you any information now.
KC4BDT is Extra Class; I (N4TMI) am Advanced; etc. Lots of hams keep a
lower-level call sign when upgrading.

From -4981120359567123222
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 18:03:00 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!swrinde!zaphod.mps.ohio-state.edu!rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Build, modify, own (was: (none))
Summary: Can we get rid of the (none) Subject lines, please?
Message-ID: <1234567890@phoenix.com>
Date: 19 Dec 90 02:03:00 GMT
References: <1256@tsdiag.ccur.com>
Organization: The Watcher in the Rye
Lines: 110

davet@tsdiag.ccur.com (Dave Tiller N2KAU) writes:
>
> In article 28281 of rec.ham-radio Dube writes:
>
> >It is not illegal to MODIFY equipment.
> See below.

There are no quotes below that prohibit modifying equipment, in the context of this discussion.

> >It is not illegal to BUILD equipment.
> For just about any other service, yes it is.

There are no quotes below that prohibit BUILDing equipment, in the context of this discussion.

> >It is not illegal to OWN a receiver.
> For cellular phone without a service contract? Yes it is!

It is not legal to manufacture a receiver whose primary function is the reception of cellular telephone. It is NOT illegal to OWN a receiver which has the capability to receive cellular phone. If you truly believe it IS illegal, you must immediately destroy your old television sets -- those with channel 83 -- or be in violation of the law.

It is not illegal to OWN a cellular phone without a service contract. In fact, in CA and a few other states, Radio Shack is PROHIBITED from selling cellular phones any other way. They MAY NOT force you to sign a service agreement as a condition of sale. In this area, CA is progressive.

> For 10.525/24 GHz in Ct, Va, and Dc, yes it is!

It is not illegal to OWN a 10.525 GHz receiver, in any state. It IS illegal to USE said receiver in your automobile. Possession of said receiver in a location where it may be used in a vehicle is assumption of use. Possession in the trunk is not. It is not illegal to OWN an open bottle of liquor, except for minors. It IS illegal to USE that open bottle in your automobile. It is not illegal in your trunk.

> Regarding the CB service and modifying radios:
>
> Title 47, Part 95
>
> 95.425 (CB Rule 25) May I make any changes to my CB station transmitter?
>

Any radio not the CB station transmitter is not covered under this rule. If the radio in question is not type-certified it cannot be the station transmitter. Any equipment built or modified, unless recertified, is no longer capable of being the CB station transmitter, and its USE as such is prohibited.

> 95.424 (CB rule 24) How do I have my CB station transmitter serviced?

Ditto above.

>
> For the Private land mobile radio services:
>
> 90.427 Precautions against unauthorized operation.
>
> (b) ... no person shall program into a transmitter frequencies for which the licensee using the transmitter is not authorized.

This rule does not prohibit the ownership, modification, or building of equipment. It prohibits USE, by a licensee, of unauthorized frequencies. If you are not a licensee, you are not covered.

If you read this rule out of context, it also seems to allow the USE of modified or built equipment, as long as you are authorized to use the frequency. This is certainly not true, as is stated in the original post, and is why taking rules out of context is very dangerous.

> For the Aviation services:
>
> 87.73 Transmitter adjustments and tests.
> A general radiotelephone operator must directly supervise and be responsible for all transmitter adjustments or tests during installation, servicing, or maintenance of a radio station. A general radiotelephone operator must be responsible for the proper functioning of th station equipment.

An aviation station is a very specific thing. Any equipment not part of the station is not covered by this rule. No aviation station licensee is prohibited by this rule from owning, modifying, or building any equipment he desires. If I owned an airplane (which requires a station license) I may legally add an amateur transmitter (which may be built or modified by myself) without the supervision of the general licensee, as that radio is not covered under the aviation rules (except for the mechanical considerations of weight and airframe modifications).

> I have read parts 0-19 and 80-97 exhaustively. I don't claim to remember everything I've read, but I sure remember that your above generalizations are not always true.

If you read the generalizations, as written, including the emphasized words, they are true.

If you include the entire context of the previous post, which clearly said that usage of the modified equipment was not legal, the generalizations are true.

If you include the context of the regulations you posted, the generalizations are true.

> Please read the
> regs for other services before you arrogantly generalize and patronize other

> readers of rec.ham-radio.

Please accept the difference between OWN, MODIFY, BUILD, and USE.

From 4225252405607534703
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcbff86ae533bc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 18:19:44 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: New License
Message-ID: <LZmeu2w163w@phoenix.com>
Date: 19 Dec 90 02:19:44 GMT
References: <1990Dec18.153124.12173@pdn.paradyne.com>
Organization: One Man Brand
Lines: 33

msl@pdn.paradyne.com (Mike Luszcz) writes:

> 1. How will a current novice (one who does not upgrade to tech by Feb.)
>   upgrade to receive 30mhz and higher privileges?

Just as you would upgrade to the current Tech privileges -- take the test.

> It is my understanding that the new 55 question pool will include questions
> from both current novice and tech question pools. Will he/she be
> required to take the new 55 question test which will include novice
> questions? I think that would make about 75 questions total ...

The test will have 55 questions. To upgrade, you would take a test of 55 questions. To walk in cold (no license), you would take a test of 55 questions. If you walk in and take the Novice test and decide that it was horribly easy, and then take the Tech test, you will take the Novice test, and then the full 55 question Tech test. You do not need to take the Novice written test to be a Tech. You do not need to take the Tech test to be a General. You need only 55 questions.

If you want the current Tech <30MHz privileges, you will need to take a 5 wpm code test.

> 2. Does anyone have a phone number to the FCC for general info regarding
>   Amateur radio?

Not off hand. Isn't it in the rulebook you keep by your rig?

Why not just get on the air, use a fake call, give out your name and address, and interfere with as many commercial broadcasters as you can.

They will call you. ;-)

From -8482340019866068299
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 18:29:56 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!
cunixf.cc.columbia.edu!cunixd.cc.columbia.edu!mig
From: mig@cunixd.cc.columbia.edu (Meir)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Keywords: NoCode
Message-ID: <1990Dec19.022956.22142@cunixf.cc.columbia.edu>
Date: 19 Dec 90 02:29:56 GMT
References: <1990Dec17.161526.5276@ni.umd.edu> <620@chiton.ucsd.edu>
<36@shasta.Stanford.EDU>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Organization: Columbia University
Lines: 35

In article <36@shasta.Stanford.EDU> paulf@shasta.Stanford.EDU (paulf) writes:
>In article <620@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
>>CW "operating" has made sure that new Amateurs learned good operating practices
>>along with the fundamental traditions of friendliness and civility.
>
>Sure it has. That's why most of the ARF and BARF people have licenses
>requiring 13 WPM or better, right?
>
>My education in "good operating practice" and "friendliness and civility" came
>from working rural 2m FM, and from working SSB DX (not pileups, but the real
>thing), as well as ARES work. All voice.

I was under the impression that there were many Amateurs with impeccable
operating practice who never use CW.
Are you sure that it is "CW "operating" [that] has made sure that new
Amateurs learned good operating practices"?
And, is it really that hard to have poor CW operating habits? It seems to me
that you could operate CW on top of someone elses voice signal. All you have
to do is turn on that narrow CW filter and BANG! you can ignore everyone else!
Operating CW doesn't require good operating practice; it certainly doesn't
teach it.

You don't learn to be a good operator by using a specific mode.
You become a good operator by LISTENING to other good operators,
 not by TRANSMITTING, be it in CW, AMTOR, SSB, or PACKET.

If you find it difficult to have good operating practice in any mode other than
CW, by all means, operate CW!
There are many other Amateurs who operate properly whatever the mode.

Maybe it isn't the mode or the code?!?

```
 * * * * * * *  ======================= Meir Green
* * * * * * * * ======================= mig@cunixd.cc.columbia.edu
 * * * * * * *  ======================= N2JPG


From 2650824590132583845
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b39b51f887746cb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 18:42:10 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!apple!voder!pyramid!
infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Use your ham call on CB?
Message-ID: <1990Dec19.024210.27137@informix.com>
Date: 19 Dec 90 02:42:10 GMT
References: <7500058@hpfcso.HP.COM> <3070@naucse.cse.nau.edu> <672@ssc.UUCP>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 17

In article <672@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>Actually, using your ham call on 11 meters is LEGAL!  The FCC doesn't
>care if or how you ID your CB station.  So as long as you are running
>a type accepted radio and don't mind folks knowing who you are, go
>ahead and sign your ham call on CB.

Yeah, but with my luck, some $&*#& out in CB-land will have a current
callbook, look me up, and then fire-bomb my house.  Judging by the
people I hear on 11 meters, I wouldn't be surprised ....

KK6MY

--

=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                          Informix Software, Inc.
Senior Programmer/Analyst, MIS                    uunet!pyramid!infmx!randall


From -8886491566550292701
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3fbec44cb3d0436,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 18:51:49 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!uoft02.utoledo.edu!grx0644
From: grx0644@uoft02.utoledo.edu
Newsgroups: rec.ham-radio
Subject: Commodore Ham Software
Message-ID: <1990Dec18.215150.2490@uoft02.utoledo.edu>
Date: 19 Dec 90 02:51:49 GMT
```

Lines: 12

I have been reading the details about the no-code ticket and I was tempted to try for that ticket. Yet, I want to learn the code as well. Tonight I spoke to one of toledo's well known hams and he that years ago, when he had his Commodore 64 computer, there were programs that helped people learn code. I have a commodore 128 and I would like anyone who has any programs of this nature. If they are on any annonymous ftp sites, I'd like to know and if anyone can send them over the net. I am eager to learn my code and I programs of such nature can help me earn my ticket by allowing me to practice code.

Thanks in advance,

Tony

From -5537552434742449408
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 18:55:02 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!apple!voder!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Keywords: NoCode
Message-ID: <1990Dec19.025502.27367@informix.com>
Date: 19 Dec 90 02:55:02 GMT
References: <40074@genrad.UUCP> <41520@ut-emx.uucp> <1990Dec17.183401.23317@athena.cs.uga.edu>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 33

My question is: how many people will rush to get the new no-code ticket?
I think that most new no-code hams will fall into the following categories:

1. Friends / spouses of current hams

2. A few CBers who may have been intimidated by morse code

How many more people will this be? Not too many, I fear.

However, we in the amateur community have a great opportunity to enhance growth in our hobby if we actively promote the new no-code license. If the new ticket is actively publicized, we could see new hams from other categories:

1. Elderly / shut-ins

2. Kids

3. People in the general public who may never have heard of ham radio

4. Serious CBers who have heard little or nothing about ham radio

I say ... let's DO IT! Let's pubicize the heck out of this new ticket. A lot of people out there could experience the same fun that we have in ham radio. Any hobby is better when more people are involved in it!

--

```
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                             Informix Software, Inc.
Senior Programmer/Analyst, MIS                      uunet!pyramid!infmx!randall
```

```
From 8052153010588384722
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 18:59:40 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!
voder!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <1990Dec19.025940.27430@informix.com>
Date: 19 Dec 90 02:59:40 GMT
References: <9012172023.AA13013@tilde>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 26
```

In article <9012172023.AA13013@tilde> dube@cpdvax.csc.ti.com writes:

```
>In <vodall@hpfcso.HP.COM (Bill Vodall)> Bill asks:
>
>>Is it really illegal to modify a rig to make it capable of transmitting on the
>>CB band?   There's no question that it's against the rules to transmit with
>>it.  Is the mere ownership of a non-type accepted CB rig illegal?
>
>Was this tongue-in-cheek?  How many more times will these same questions appear
>on the net?
>
>It is not illegal to OWN a receiver.
>
```

It didn't sound tongue-in-cheek to me!!!! Especially if the ACLU gets their way, and they make certain scanners illegal! Then it WILL be illegal to own a receiver.

Gosh, I really hate it when legitimate questions are ridiculed like this.

```
KK6MY

--

=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                          Informix Software, Inc.
Senior Programmer/Analyst, MIS                    uunet!pyramid!infmx!randall


From 8448173729718984963
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 19:30:48 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!
emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: No-code license
Message-ID: <1681@ke4zv.UUCP>
Date: 19 Dec 90 03:30:48 GMT
References: <9012150044.AA01342@tilde> <24904@ucsd.Edu>
<1990Dec16.073847.6099@ux1.cso.uiuc.edu> <619@chiton.ucsd.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 27

In article <619@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
>Right now only CW OP's are blown off by big sigs on 28.005,15,30 and 45 with
>great regularity. This weekend I was having a nice QSO with a GM in the morning
>when a horendous LSB station came on 28.015 with a reverb mike that sounded
>like the voice of GOD commanding HIS children. Then these two CB'ers started
>arguing about the best way to cook curried chicken. They wasted at least 10Kc
>of spectrum with their culinary discussion. As usual I moved off and tried to
>find the GM but he was probably too disgusted to continue.

So CW *won't* get through better than other modulation methods after all.
Sorry to be snide, but I couldn't resist after all the pro-code claims.
Pirates are everybody's business and should be fought as strongly as possible.
Right now the FCC is still hacked about being taken to court by the ARRL
and seems unlikely to take action. If these turkeys can be located, perhaps
a hundred thousand letters sent directly to them complaining about their
illegal actions might help. You can count on me to write a nasty letter.

>A message to all who want to be able to enjoy the hobby in the future:
>
>FIGHT LIKE HELL TO KEEP THE 30 METER BAND AND DIE IF NECESSARY TO KEEP IT CW
>ONLY.

Too bad you have to die. 30 meters is not now, nor has it ever been CW only.
Listen to the packet and RTTY signals on the band sometime. Not all no-coders
operate voice only you know.
```

Gary KE4ZV

```
From -3233775889426993413
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0c54d597d79c632
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 19:48:21 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!
emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Codeless Tech License
Keywords: FCC announcement
Message-ID: <1682@ke4zv.UUCP>
Date: 19 Dec 90 03:48:21 GMT
References: <661@ssc.UUCP> <1990Dec17.032209.28141@ux1.cso.uiuc.edu>
<675@ssc.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 14
```

In article <675@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:

>
> Y'all told us how you knew all these brilliant engineers who were
> going to revitalize our hobby if only we got rid of the silly Morse
> requirement.
>
> How many of your friends who are interested in DSP, networking,
> etc (NOT just in yakking on 2 FM) are planning to get their Tech
> come February 15?

I've already signed up three enthusiastic engineers for the new improved tech license. We are impatiently waiting for February.

Gary KE4ZV

```
From 2889004455541704314
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae048f33ca952844
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 20:08:56 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: FCC Rumor -- (But what if it is true?)
Message-ID: <780.276F4DE6@w8grt.fidonet.org>
Date: 19 Dec 90 04:08:56 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 35
```

```
 > From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
 > Date: 18 Dec 90 00:00:31 GMT
 > Organization: Wyse Technology
 > Message-ID: <3063@wyse.wyse.com>
 > Newsgroups: rec.ham-radio
 >
 > In article <1990Dec16.004633.6662@NCoast.ORG> allbery@ncoast.ORG
 > (Brandon S. Allbery KB8JRR) writes:
 > >As quoted from <19152@unix.SRI.COM> by larson@snmp.sri.com (Alan Larson):
 > >+---------------
 > >|   Well, you still don't like it.  Perhaps if you tried 20 meters in
 > >| the section between 14.0 and 14.1 MHz, you might find otherwise.
 > >+---------------
 > >
 > >Operating CW may reduce liddishness, but I've heard enough hams with about
 > >as many functioning neurons as symbols in their call to know that *knowing*
 > >code doesn't filter anything.
 > >
 > >++Brandon
 > >--
 > >Me: Brandon S. Allbery                    VHF/UHF: KB8JRR on 220, 2m, 440
 >
 > Brandon,
 >
 > Your insisting that the statement "CW acts as a filter" be an absolute.
 > No-one ever claimed it was a perfect filter, just the best available(and
 > time tested...)

Cures warts, too.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org


From -3898409712796182269
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0c54d597d79c632
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 20:33:11 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cunixf.cc.columbia.edu!cunixd.cc.columbia.edu!mig
From: mig@cunixd.cc.columbia.edu (Meir)
Newsgroups: rec.ham-radio
Subject: Re: Codeless Tech License
Keywords: FCC announcement
Message-ID: <1990Dec19.043311.23326@cunixf.cc.columbia.edu>
Date: 19 Dec 90 04:33:11 GMT
References: <661@ssc.UUCP> <1990Dec17.032209.28141@ux1.cso.uiuc.edu>
<675@ssc.UUCP>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Organization: Columbia University
```

Lines: 38

In article <675@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>In article <1990Dec17.032209.28141@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN) writes:
>> tad@ssc.UUCP (Tad Cook) writes:
>> >So by this time next year I expect to see HUGE advances in the
>> >state of the art, a revitalization of the US ham manufacturers,
>> >(Hammarlund making DSP boxes?) and ham radio growing like crazy
>> >with all this new talent.
>>
>> >Or will we just see a lot more folks yakking on 2 meters?
>>
>> All of the above provided we PROMOTE ham radio now like we could not
>> have before.
>
>OK, well you and the other Phil must be thrilled that the nocode
>license has even more privileges than any of us ever dreamed of.
>
>Y'all told us how you knew all these brilliant engineers who were
>going to revitalize our hobby if only we got rid of the silly Morse
>requirement.
>
>How many of your friends who are interested in DSP, networking,
>etc (NOT just in yakking on 2 FM) are planning to get their Tech
>come February 15?

5 that I know of, so far.

>Tad Cook
>Seattle, WA
>Packet: KT7H @ N7HFZ.WA.USA.NA
>Phone: 206/527-4089
>MCI Mail: 3288544
>Telex: 6503288544 MCI UW
>USENET:...uw-beaver!sumax!amc-gw!ssc!tad
>or, tad@ssc.UUCP

```
 * * * * * * *  ======================= Meir Green
* * * * * * * * ======================= mig@cunixd.cc.columbia.edu
 * * * * * * *  ======================= N2JPG
```

From 7041194917966361174
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 20:38:34 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!apple!usc!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cunixf.cc.columbia.edu!cunixd.cc.columbia.edu!mig
From: mig@cunixd.cc.columbia.edu (Meir)
Newsgroups: rec.ham-radio
Subject: Re: Re: Ham licenses without Morse code -- News item

```
Message-ID: <1990Dec19.043834.14456@cunixf.cc.columbia.edu>
Date: 19 Dec 90 04:38:34 GMT
References: <1990Dec14.012315.7858@zoo.toronto.edu> <1250309@hpnmdla.HP.COM>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Organization: Columbia University
Lines: 23

In article <1250309@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>In rec.ham-radio, paulf@shasta.Stanford.EDU (paulf) writes:
>
>>Most CW ops that I've heard carrying on "real" conversations operate at
>>around 15 WPM.  Compare that with normal human conversation at 150 WPM,
>>and you can see where the "advantage" of CW comes from -- slowing down
>>the information rate.  I think if you were to compare a rate 1/10 PSK
>>system to CW, you'd notice the difference.
>
>Indeed, phone operators do slow down their speech when conditions are
>bad.  But CW will still get through when voice communications is
>impossible.

By all means, use CW if you want.
But how often is "voice communications impossible"?
Assuming that a phone call is out of the question,
in most cases, other Amateur modes will also "get through."

>AL N1AL

 * * * * * * *  ======================= Meir Green
* * * * * * * * ======================= mig@cunixd.cc.columbia.edu
 * * * * * * *  ======================= N2JPG


From -8357097250953803828
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 20:44:48 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sol.ctr.columbia.edu!
cunixf.cc.columbia.edu!cunixd.cc.columbia.edu!mig
From: mig@cunixd.cc.columbia.edu (Meir)
Newsgroups: rec.ham-radio
Subject: Re: Re: Ham licenses without Morse code -- News item
Message-ID: <1990Dec19.044448.25636@cunixf.cc.columbia.edu>
Date: 19 Dec 90 04:44:48 GMT
References: <1990Dec14.012315.7858@zoo.toronto.edu> <1250310@hpnmdla.HP.COM>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Organization: Columbia University
Lines: 30

In article <1250310@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>In rec.ham-radio, mig@cunixd.cc.columbia.edu (Meir) writes:
>
>>  Full duplex voice ("phone") is "rag-chew" at its best!  It is hardly a narrow
```

>>bandwith setup, but can be inexpensive and compact as well (that's what modern
>>technology does for you). I don't suggest that we implement this on crowded
>>HF bands but, then, rag-chew can be done on VHF, UHF, SHF... with an HT, a
>>mobile, or a satellite ground station.
>
>I agree, phone is more convenient for ragchewing. On the other, hand, the
>telephone is more convenient yet! No jammers, for one thing. :-)
>
>AL N1AL

But telephone can't deal with many people at once without a party line.
And, besides, Amateur radio is much more fun AND works when the phone
lines go down.
If you want to talk to hams, what better place then on the radio?
I have only seen a few instances of jamming:
 on CB
 on repeaters
 on the HF general portions.

When two individuals are talking without the aid of a repeater, it is
difficult to jam them since they can always switch to another frequency.
(Yes; they may have to have a backup frequency)!

 * * * * * * * ======================= Meir Green
* * * * * * * * ======================= mig@cunixd.cc.columbia.edu
 * * * * * * * ======================= N2JPG

From 8416284087914460504
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 20:47:32 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Keywords: NoCode
Message-ID: <1990Dec18.234732@envy.bellcore.com>
Date: 19 Dec 90 04:47:32 GMT
References: <1990Dec17.183401.23317@athena.cs.uga.edu>
<4ea88b70.20b6d@apollo.HP.COM> <1990Dec18.044632.1032@athena.cs.uga.edu>
<4471@lib.tmc.edu>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 20

In article <4471@lib.tmc.edu>, jmaynard@thesis1.hsch.utexas.edu (Jay
Maynard) writes:
|> I wish you were right...but the canonical comment of those who
operate between
|> 27.405 and 28 MHz is, "I'd get a ham license if it weren't for that

#$%@#$^
|> code." Those people will rush to get no-code licenses. That's what frightens
|> me about no-code, and _nobody_ has yet shown me that that fear is unfounded.

Why should it frighten you? I've listened to those guys too, and to
tell you the truth, I would have a hard time telling them apart from
"real" hams. The lingo is the same, the conversation topics are the
same, the equipment is even the same. :-)

About the only thing that gives them away is a) the inability to
standardize on either USB or LSB, and b) the absence of callsigns.

Phil

From 3280816615613467841
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 20:49:20 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!att!pacbell.com!ucsd!sdd.hp.com!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cunixf.cc.columbia.edu!cunixd.cc.columbia.edu!mig
From: mig@cunixd.cc.columbia.edu (Meir)
Newsgroups: rec.ham-radio
Subject: Re: Re: Ham licenses without Morse code -- News item
Message-ID: <1990Dec19.044920.1047@cunixf.cc.columbia.edu>
Date: 19 Dec 90 04:49:20 GMT
References: <1990Dec14.012315.7858@zoo.toronto.edu> <1250311@hpnmdla.HP.COM>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Organization: Columbia University
Lines: 28

In article <1250311@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>In rec.ham-radio, gary@ke4zv.UUCP (Gary Coffman) writes:
>
>>... Yet, I have had sucessful
>>AMTOR contacts where I couldn't reliably tell by ear that a signal was
>>present. I could see it on the TU's scope though. I believe that a good
>>AMTOR setup will get through when 90% of CW operators would throw up their
>>hands. And the radio equipment does not need to be any more complex than a
>>modest QSK CW setup. Of course like everything else, there is good AMTOR
>>equipment and bad. In general, I have not been impressed with the do
>>everything boxes. An ST-6 still outperforms the builtin modems on these
>>things. ...
>
>I have used an ST-6 for old-fashioned RTTY years ago. The TTY machine
>would be down to essentially zero copy with a signal that would still be
>nearly 100% copy by ear on CW. Of course, AMTOR has error-correction,
>but it still has to have a mostly-correct signal for the error-correction
>to work.

>
>AL N1AL

Your ears must be better than Gary's.
If he couldn't reliably tell by ear that a signal was present then I very much
doubt that he would have been able to copy the CW.

 * * * * * * * ======================= Meir Green
* * * * * * * * ======================= mig@cunixd.cc.columbia.edu
 * * * * * * * ======================= N2JPG

From -2989322799561156256
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a0340e29e2ecb5c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 21:08:31 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: FCC ACTS ON CODELESS LICENSE
Message-ID: <781.276F4DED@w8grt.fidonet.org>
Date: 19 Dec 90 05:08:31 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 29

 > From: yetsko@interlan.interlan.com (Mike Yetsko)
 > Date: 18 Dec 90 14:04:41 GMT
 > Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
 > Message-ID: <YETSKO.90Dec18090441@interlan.interlan.com>
 > Newsgroups: rec.ham-radio
 >
 > It's amazing the attitude already. "Yikes, how many CBers will...."
 >
 > Give me a f*cking break!! CW is CW, not god given master of all. It is
 > just one mode of many, not a lid filter. You want exclusion in
 > privlidges?
 > OK, set up a network sub-band, and I'll write the rules. If you can't
 > program an ethernet chip, say the Intel 82586, to handle high loads, and
 > shut down without a memory scribble, you don't belong, you MUST be a
 > LID!!!
 > STAY OUT OF MY BAND YOU CB-ER!!!!!!!!!

Mike, you've got to learn to quit bottling up your feelings. [:-)

Truth be known, however, I'm also disturbed by the CW diehards who WANT the
new no-code Tech license to fail and/or produce the end of civlization as we
know it just so they can say, "See, I told you not having your ears attacked
by a whistling woodpecker would be bad!"

--
Jim Grubs - via the friendly folks at UUNET

UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 1024565981246979298
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b39b51f887746cb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 21:11:09 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: 11 meter id with ham call?
Message-ID: <782.276F4DF3@w8grt.fidonet.org>
Date: 19 Dec 90 05:11:09 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 20

> From: perley@galaxy (Donald P Perley)
> Date: 18 Dec 90 15:11:24 GMT
> Organization: GE Corp. R & D, Schenectady, NY 12345
> Message-ID: <14975@crdgw1.crd.ge.com>
> Newsgroups: rec.ham-radio
>
> In article <19267@unix.SRI.COM>, larson@snmp (Alan Larson) writes:
> >
> >p.s. Ever have the urge to ID at the end of a phone call? :-)
>
> No, but I have seen someone answer a phone and just say "QRZed?"

I quit Air Force MARS when I caught myself ending my bedtime prayers with
"Nothing further. Out."

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 1810041155327252404
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 21:27:26 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!apple!usc!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cunixf.cc.columbia.edu!cunixd.cc.columbia.edu!mig
From: mig@cunixd.cc.columbia.edu (Meir)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <1990Dec19.052726.28100@cunixf.cc.columbia.edu>
Date: 19 Dec 90 05:27:26 GMT
Sender: news@cunixf.cc.columbia.edu (The Daily News)

Organization: Columbia University
Lines: 35

Here are some reasons why I'm glad that the FCC isn't making a new set of
distinct call signs for the no code techs:

-there are enough classes of call signs already.
-he wouldn't have to give up his old call when he passed the code.
-anti no-coders might be rude, refuse to communicate with them, or even jam
 them.
-he's got full technician priviledges above HF, so what's wrong with his
 technician call?

Don't separate them from the experienced hams; bring them in, teach them
 what it is to be a good ham; let them teach you what they have to bring
 to this fine hobby-service.
Somehow I think that many of our parents and spouses are going to become
licensed, now. I also think that they will do so in order to communicate with
us. If we practice the good operating that we preach, they will be the
very best of hams since we will be their elmers.
With these people, we can afford to fill the ranks of Amateur Radio.
We may not win back all of 220, but it sure is going to boost Amateur Radio's
support in the government and in the eyes of the general public.
It will also boost our ability to respond in an emergency, since there will
be more Hams available to turn out.

If you are worried about Amateur Radio becoming another CB band, why not
become an Official Observer? These are the people, as well as every Amateur
who operates according to the code of Amateur etiquette, are the ones who
prevent Amateur Radio from becoming like CB.
If CB were administered like Amateur Radio, instead of like a free-for-all,
maybe it would still be a pleasant place to chat.
If we work together to train the newcomers and curb those established bad
apples, Amateur Radio will always be a pleasure to use.

```
 * * * * * * *  ======================= Meir Green
* * * * * * * * ======================= mig@cunixd.cc.columbia.edu
 * * * * * * *  ======================= N2JPG
```

From -5121350174508501838
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab4a5a9336224655
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 21:52:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpcc05!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Re: New Code-free Technician class license
Message-ID: <27080044@col.hp.com>
Date: 19 Dec 90 05:52:34 GMT
References: <9012171351.AA00050@rtp40.dg.com>

```
Organization: HP Colorado Springs Division
Lines: 32

>/ col:rec.ham-radio / Pete_Simpson@dgc.ceo /  6:51 am  Dec 17, 1990 /
>I suspect that the FCC's recent creation of a code-free entry class
>license will be the cause of much debate in this newsgroup over the
>next few months (years?). In any case, the deed has been done and
>it's up to us experienced hams to welcome the new licensees
>into our hobby graciously. I was glad to see that the FCC granted all
>Tech privileges above 30 Mhz to the new class, thus allowing them to
>make use of the popular 2-meter band (in spite of the ARRL request
>that they only be allowed to use 220 and above). This
>seems to indicate that the FCC wants us to absorb the new licensees
>into the mainstream of VHF and UHF ham radio and to avoid treating
>them as "second rate" hams. Whether or not we agree with what the
>FCC has done, we should not "take it out" on these newcomers to our
>hobby.
>=================================
>Peter Simpson, KA1AXY
>Data General Corp M/S E132
>Westboro, MA 01580
>(508) 870-9837
>Pete_Simpson@MERCURY.MCEO.DG.COM
>----------
   What the heck you trying to do, Pete?  Interject a little sanity
   into the rec.hr flailing and wailing about the merits of code-free
   technicians?

--------------------------------------------------------------------
Bob Witte              HP Colorado Springs Division
bobw@col.hp.com        P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO  80901
Radio: KB0CY
"I absolutely hate people who are intolerant."
--------------------------------------------------------------------


From -1333535542094012391
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcbff86ae533bc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 21:52:55 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!rpi!luigi
From: luigi@aix02.aix.rpi.edu (John L Luigi Giasi)
Newsgroups: rec.ham-radio
Subject: Re: New License
Message-ID: <C^K^&2$@rpi.edu>
Date: 19 Dec 90 05:52:55 GMT
References: <1990Dec18.153124.12173@pdn.paradyne.com> <LZmeu2w163w@phoenix.com>
Organization: Rensselaer Polytechnic Institute, Troy NY
Lines: 26
Posted: Tue Dec 18 21:52:55 1990
Nntp-Posting-Host: aix02.aix.rpi.edu
```

In article <LZmeu2w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
>
>   The test will have 55 questions. To upgrade, you would take a test of
>55 questions. To walk in cold (no license), you would take a test of 55
>questions. If you walk in and take the Novice test and decide that it
>was horribly easy, and then take the Tech test, you will take the Novice
>test, and then the full 55 question Tech test. You do not need to take
>the Novice written test to be a Tech. You do not need to take the Tech
>test to be a General. You need only 55 questions.
>
>   If you want the current Tech <30MHz privileges, you will need to take
>a 5 wpm code test.
>
Where did you get this one? The information I was given indicated
that all the FCC did in their meeting of 13Dec90 was drop the requirement
of element 1a for Technicians, meaning that the Tech 'test' would be
Element 2(the Novice element) and Element 3a(the Tech element), sorta the
first amateur exam to have two theory test, if you went in 'cold'. If you
went in with a novice, or had just passed the Novice (credit for 1a and 2)
that all you would do for Tech is take 3a...the same exam upgrade path
as always. But then again...misinformation is the word of the week.

Luigi Giasi, KA1UTU
President W2SZ, Rensselaer Polytechnic Institute ARC
luigi@rpi.edu
--... ...-- -.. . -.- .- .---- ..- - ..-

From 5066382753093725377
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,715f78a4e2c7dfd5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 21:57:15 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!
unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: Codeless question pool?
Summary: re new tech test pool
Message-ID: <692@wells.UUCP>
Date: 19 Dec 90 05:57:15 GMT
References: <9012182135.AA25642@hls.com>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 9

In article <9012182135.AA25642@hls.com>, trop@hls.com (Troy T. Pummill) writes:
>
> I probably missed this answer, but here goes anyway. Are the 55 questions
> for the codeless tech going to be based on the current Novice/Tech
> question pool????
Advice received today from our VEC: the new codeless tech test is the current
element 2 (Novice) + element 3A (Tech.) Nothing different. Let's hope they

sound a little better than the cb'ers investing 10 USB these days.   QSL QSL QSL QSL and isn't that a big roger.

From -6701288484899262819
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 22:09:00 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Ham licenses without Morse code -- News item
Summary: AMTOR & CW
Message-ID: <690@ssc.UUCP>
Date: 19 Dec 90 06:09:00 GMT
References: <1990Dec14.012315.7858@zoo.toronto.edu> <1250311@hpnmdla.HP.COM>
Organization: very little
Lines: 39

In article <1250311@hpnmdla.HP.COM>, alanb@hpnmdla.HP.COM (Alan Bloom) writes:
> In rec.ham-radio, gary@ke4zv.UUCP (Gary Coffman) writes:
>
> >... Yet, I have had sucessful
> >AMTOR contacts where I couldn't reliably tell by ear that a signal was
> >present. I could see it on the TU's scope though. I believe that a good
> >AMTOR setup will get through when 90% of CW operators would throw up their
> >hands. And the radio equipment does not need to be any more complex than a
>
> I have used an ST-6 for old-fashioned RTTY years ago. The TTY machine
> would be down to essentially zero copy with a signal that would still be
> nearly 100% copy by ear on CW. Of course, AMTOR has error-correction,
> but it still has to have a mostly-correct signal for the error-correction
> to work.

Ah, you haven't used AMTOR then. I have dredged intelligence out of the noise with AMTOR that I could not do with any other mode. I'm not knocking CW....I like it a lot. But AMTOR is VERY robust on HF. Once the ARQ link is established, if it can copy just an ocasional chirp, the message will get through with no errors.

On CW or phone, the sending station keeps sending, even though you may copy only 10% of the intelligence error free. ARQ AMTOR requests repeats when it gets a bad chirp. Of course packet does this, but not too well on HF in its present form.

Their wierd thing with AMTOR is that when the path is deteriorating, I can still copy flawlessly (although slowly) when there seems to be little if any audible signal there.

Tad Cook
Seattle, WA

Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 1005386321377737956
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 22:14:35 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: No-code license
Summary: CW antiquarians
Message-ID: <691@ssc.UUCP>
Date: 19 Dec 90 06:14:35 GMT
References: <1990Dec16.073847.6099@ux1.cso.uiuc.edu> <619@chiton.ucsd.edu>
<1990Dec18.050336.1415@athena.cs.uga.edu>
Organization: very little
Lines: 21

In article <1990Dec18.050336.1415@athena.cs.uga.edu>, mcovingt@athena.cs.uga.edu
(Michael A. Covington) writes:
> Who is closer to the intended purpose of Amateur Radio...
> the CW antiquarians or the VHF experimenters?
>

WHAT VHF experimenters? Most of what I hear on VHF is folks yakking on
repeaters. I hardly even hear FM simplex anymore.

Oh, excuse me....thats right....none of the new folks with the new tech
license will be yakking on 2 mtr repeaters. They will all be showing
us how antiquated our other modes are if we aren't using DSP....

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -7580072076477467608
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b39b51f887746cb6
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-12-18 23:05:19 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!hpdmd48!ritchie
From: ritchie@hpdmd48.boi.hp.com (David Ritchie)
Newsgroups: rec.ham-radio
Subject: Re: 10 meter rig recommendation?
Message-ID: <530035@hpdmd48.boi.hp.com>
Date: 19 Dec 90 07:05:19 GMT
References: <1990Dec5.212046.11491@midway.uchicago.edu>
Organization: Hewlett Packard - Boise, ID
Lines: 17

>>   This is because amateur radio operators are not licensed to service
>> CB transmitters. You must have a general radiotelephone license to do this,
>> as CB requires that operators use type accepted equipment (as does other
>> land mobile services). Amateur radio equipment is not type accepted, so
>> it can not be used on CB frequencies.
>
>The Commercial General license is a piece of wallpaper only. Used to be you
>needed a 2nd phone license to work on anything, and a first phone for broadcast
>but that was changed to where you need nothing to work on anything. Almost.

Oh, this is news to me (I am not doubting you -honest!). I actually had a 3rd class radiotelephone at one point (missed getting the 2nd by 1 questions, and got out of EE into CS and never bothered to retake it :^>). When did this change?

--Dave Ritchie N4DJS
ritchie@hpdmd48.boi.hp.com

From 7390430038902546893
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,766d693366e33cbc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 23:14:21 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!dali.cs.montana.edu!ogicse!emory!rsiatl!jgd
From: jgd@Dixie.Com (John G. DeArmond)
Newsgroups: rec.ham-radio
Subject: Re: Radar guns... reprise
Message-ID: <5318@rsiatl.Dixie.Com>
Date: 19 Dec 90 07:14:21 GMT
References: <9012182048.AA06209@tilde>
Organization: Rapid Deployment Systems (making go-fast things and things that-go fast)
Lines: 39

dube@cpdvax.csc.ti.com writes:

>bob%50781.decnet@P2.AMS.WPAFB.AF.MIL ("50781::BOB) asks:

>> OK, so what kinda license would I need to (legally) operate a radar gun?

>Go ask your local high school baseball coach. I think most of them now
>use them to guage the speed of their pitchers' fastball.

If you are not a ham, you must license the transmitter in the fixed
radiolocation service. This requires filing an application with the
FCC AND having your choice of frequency coordinated (expensive). I
recently contacted the local FCC field office and requested
all forms that would be necesary to license a radar gun. I received
a form that contained about 10 pages of fill-in-the-blank (forget the
form number) plus a thick guidebook for filling out the form (!) plus
a list of frequency coordinators.

Normally this licenseing is handled by the radar gun vendor as part of
the gun sale. You as a citizen don't really want to go through the
hassles. Just tune the gun to the ham segment of 10 ghz (or pretend
you have) or just operate the K-band unit under your license since
we share that band. Be sure and check the rules regarding operating
beacons and rangefinding equipment. I believe you used to have to
afix a printed callsign to the transmitter in lieu of other ID methods.
BS true, but vital if you get hassled for "shooting" the local fuzz.

(BTW, you outta see a duty chief sputter when you walk in to a police
station and ask to file a speeding charge against a cop and present
radar evidence to back it up. :-) What's good for the goose.....

John

--
John De Armond, WD4OQC | "Purveyors of speed to the Trade" (tm)
Rapid Deployment System, Inc. | Home of the Nidgets (tm)
Marietta, Ga |
{emory,uunet}!rsiatl!jgd | "Vote early, Vote often"

From -6118391978235759806
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e95dda0a920dcfa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 02:23:52 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!agate!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: There is no 'CW-only' segment!
Message-ID: <19.Dec.90.10:27:13.GMT.#3387@UK.AC.NWL.IA>
Date: 19 Dec 90 10:23:52 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19

Someone (i forget who, it was repeated several times) recently said:
>
>This assumes that 30 meters is a CW only band. It is NOT!
>
>There are only TWO band segments in ALL of the Amateur Radio spectrum that
>are truly CW only:
>
>   50.0 - 50.1 MHz
>   144.0 - 144.1 MHz
>
This is *NOT TRUE*!
Most of the World has *NO* 'CW Only', 'Phone-only' sub-bands. It is only
a result of the FCC licensing policy that the USA has these restrictions.
There is *NOTHING* in ITU regs. to give foundation to the US restrictions;
the restrictions are there through the whims of the FCC.

In most of 'the rest of the world', bandplans are by voluntary agreement.

Pete Lucas PJML@UK.AC.NWL.IA G6WBJ@GB7SDN.GBR.EU

From 7231586514646844437
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e7841472ed92e9e5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 02:31:39 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!agate!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: Code-free Tech. license.
Message-ID: <19.Dec.90.10:35:08.GMT.#3402@UK.AC.NWL.IA>
Date: 19 Dec 90 10:31:39 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7

To all those who have said they will try for a Tech license now the
code requirement has been lifted,   ***WELCOME ABOARD***!
*************** Ham radio needs you!   Come on down!! ***************
I guess i will have to work at building a radio for six meters
to talk/packet to you all.

Pete Lucas PJML@UK.AC.NWL.IA G6WBJ@GB7SDN.GBR.EU

From 2446758329950387475
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d70fa4288e69dfb9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 03:21:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!mips!pacbell.com!

ucsd!ucbvax!TRIUMFER.BITNET!MULTI
From: MULTI@TRIUMFER.BITNET
Newsgroups: rec.ham-radio
Subject: Need FT-101E noise blanker unit type (PB1292)
Message-ID: <90Dec19.103935est.57351@ugw.utcs.utoronto.ca>
Date: 19 Dec 90 11:21:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6

I am looking for a Yaesu FT101-E noise blanker unit (PB1292). This particular noise blanker features an adjustable level control. Unfortunately, it is no longer made by Yaesu and hence is unavailable from Yaesu USA.

Y.N. Miles,
<MULTI@TRIUMFcl.bitnet>

From -1676101231298987662
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9121cf317f45ce83
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 06:06:15 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!xylogics!samsung!interlan.InterLan.COM!
interlan.interlan.com!yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew - help wanted
Message-ID: <YETSKO.90Dec19090615@interlan.interlan.com>
Date: 19 Dec 90 14:06:15 GMT
References: <1792JKOSS00@RICEVM1> <1679@ke4zv.UUCP>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 7
In-reply-to: gary@ke4zv.UUCP's message of 18 Dec 90 17:13:45 GMT

Our club in Texas a few years back built our entire 220 repeater from kit boards from HAMTronics. It worked OK, but after a lightning strike, we obtained a Midland, and split it in two for the repeater. All the interface and control was custom built and Z80 based.

Mike Yetsko
N1DVJ

From -4366400668614643051
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 06:12:29 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!
news.cs.indiana.edu!rutgers!dimacs.rutgers.edu!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)

Newsgroups: rec.ham-radio
Subject: Re: Did the FCC go Far enough this time .....
Message-ID: <4482@lib.tmc.edu>
Date: 19 Dec 90 14:12:29 GMT
References: <18323@shlump.nac.dec.com> <1990Dec19.012824.15145@athena.cs.uga.edu>
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 15
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <1990Dec19.012824.15145@athena.cs.uga.edu> mcovingt@athena.cs.uga.edu
(Michael A. Covington) writes:
>(1) There is no longer a national need for fast CW operators. A 5 wpm
>code exam is enough to make a ham "code-literate." After that, we
>improve our speed if and when we need to for on-the-air usage.

Tell that to KA5ZCK, who's sometimes addressed as Lieutenant Robert M.
Craig, USNR-R. He's told me a couple of times that he's always looking
for people to copy code, and was prepared to offer E-6 or E-7 enlistments
(I think...don't hold me to that, but it was in that range) to people who
could come in with demonstrated code proficiency in the 17-25 WPM range.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
  "...flames are a specific art form of Usenet..." -- Gregory C. Woodbury

From -399743092685684021
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eb3e50970c8805bc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 06:26:38 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!usc!ucsd!ucbvax!
adc01c.ca.UKY.EDU!hpeach
From: hpeach@adc01c.ca.UKY.EDU ("Harold G. Peach Jr.")
Newsgroups: rec.ham-radio
Subject: Subscription Request
Message-ID: <23708@adc01c.ca.uky.edu>
Date: 19 Dec 90 14:26:38 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
X-Unparsable-Date: Wed 19 Dec 90 10:03:59:89

---cut here---

SUBSCRIBE
HELP

Harold G. Peach, Jr.   Internet: hgpeach@ca.uky.edu
252 Ag. Engineering Bldg., U.K.

Lexington, KY 40546-0276   Phone: (606) 257-3335
"Jesus is the reason for the season! Merry Christmas!"

From 4686932454203448490
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,822014fa21599fe2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 06:42:11 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!cs.utexas.edu!ut-emx!ccwf.cc.utexas.edu
From: kipper@ccwf.cc.utexas.edu (Kip Ingram)
Newsgroups: rec.ham-radio
Subject: Re: Name of new TECHNICIAN LICENSE
Message-ID: <41632@ut-emx.uucp>
Date: 19 Dec 90 14:42:11 GMT
References: <1990Dec17.232725.23542@cbnewsj.att.com> <58130006@hpcupt1.cup.hp.com>
Sender: news@ut-emx.uucp
Reply-To: kipper@ccwf.cc.utexas.edu (Kip Ingram)
Organization: The University of Texas at Austin
Lines: 70

Ok; I've got to get my two cent's worth in on this issue. One of the stated purposes of the Amateur Radio Service (and the one that seems to make the most sense from in the "big" picture) is to maintain a pool of individuals skilled in communications technology. In years gone by, if we found ourselves in a war, the military needed good CW operators and needed them FAST. Hence the CW requirement for ham licenses; it was completely correct and totally proper BECAUSE IT SERVED THE NATIONAL INTEREST. Hams offered this resource to the nation, and in return got to use valuable spectrum space.

So the CW question is easy to dispense with. Does a significant amount of military communication still use CW? Could a crisis arise today that would be more severe if no CW operators existed? If it could, if we still need CW operators, then the license structure should encourage CW training.

On the other hand, there are new technologies (satellite, packet, computer communications, spread spectrum, and so on) that I know for a fact are very important to the military these days. Therefore, the license structure should encourage skill in these areas.

I happen to think that the new codeless license gives too much for too little. The new Tech test, which is a combination of the old Novice and Tech tests, is a joke at best (I know; I just took the Novice and Tech). I have no objection to an "easy" entry into the hobby, but the privs you get for taking that route should be quite limited. New privs should be earned by becoming more competent in some branch of communications technology.

Sorry about rambling. To sum up, the procedure for developing a license structure should be the following:

1. Identify the nation's communications personell needs

2. Develop an entry-level exam that gives the licensee a basic overview of each of these crucial communications areas. This exam should be quite easy and would serve mainly to make hams aware of the broad field and ensure that they were cognizant of the rules and regs applying to them and of the penalties for failure to comply.

3. Provide a multi-ladder advancement program, whereby hams can gain more privs by training themselves in one of the specific areas identified in step 1. Each successive step should require more and more expertise in the area. Reaching the top of a ladder should indicate a profound technical knowledge of the area involved.

It is important to note that achieving high levels on one "ladder" should not entitle a ham to high privs in another area. He should have to go back and learn the new area from the bottom up. In this manner there will be an incentive for hams to become highly expert in many areas of communication theory. The privs associated with a particular area should be comensurate with the value the FCC attaches to that particular area of technology. For instance, if the government still needs CW, but not much, the CW ladder might lead to relatively modest privs. On the other hand, the reward for mastering an area that is extremely valuable would be very great (lots of spectrum space, high power privs, etc). Whatever works. Also, there is no reason that the value of various areas should remain static. From time to time the FCC should review the privs awarded for various skills and make suitable modifications. In this manner they will continually guide hams into the most important areas of technology.

In short, ham radio is a program for building the nation's technical resource base, not a freebie rag-chewing program. Let's keep things in perspective.

BTW, I zipped up the asbestos suit BEFORE I EVEN STARTED THIS MESSAGE, because I'm sure I've irritated somebody. I like code. I like computers. I passed the code test. Give me a break.

Kip

From 5703020433537448221
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 07:44:44 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!nddsun1!darla!waters
From: waters@darla.tmc.edu (Strawberry Jammer)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Keywords: NoCode
Message-ID: <216@nddsun1.sps.mot.com>
Date: 19 Dec 90 15:44:44 GMT

References: <1990Dec17.183401.23317@athena.cs.uga.edu>
<4ea88b70.20b6d@apollo.HP.COM> <1990Dec18.044632.1032@athena.cs.uga.edu>
<4471@lib.tmc.edu> <1990Dec18.234732@envy.bellcore.com>
Sender: root@nddsun1.sps.mot.com
Reply-To: waters%darla@dover.sps.mot.com (Strawberry Jammer)
Organization: Hacker's haven
Lines: 30
Posted: Wed Dec 19 09:44:44 1990

In article <1990Dec18.234732@envy.bellcore.com> karn@thumper.bellcore.com writes:
{In article <4471@lib.tmc.edu>, jmaynard@thesis1.hsch.utexas.edu (Jay
{ Maynard) writes:
{|> I wish you were right...but the canonical comment of those who
{operate between
{|> 27.405 and 28 MHz is, "I'd get a ham license if it weren't for that
{#$%@#$^
{|> code." Those people will rush to get no-code licenses. That's what
{frightens
{|> me about no-code, and _nobody_ has yet shown me that that fear is
{unfounded.
{
{Why should it frighten you? I've listened to those guys too, and to
{tell you the truth, I would have a hard time telling them apart from
{"real" hams. The lingo is the same, the conversation topics are the
{same, the equipment is even the same. :-)
{
{About the only thing that gives them away is a) the inability to
{standardize on either USB or LSB, and b) the absence of callsigns.

I agree with Phil. In fact any of that type who wanted to have "bought"
licenses or cheated on the test in some other way long ago.

Locks (tests) don't deter criminals, locks (tests) merely keep honest
people honest!

--
*Mike Waters AA4MW/7 waters@dover.sps.mot.com *

** If guns are outlawed, how will conservatives win arguments? **

From -4776225211428628462
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 07:46:23 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!
emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <1990Dec19.154623.21314@athena.cs.uga.edu>
Date: 19 Dec 90 15:46:23 GMT

References: <9012172023.AA13013@tilde> <7500068@hpfcso.HP.COM>
Organization: University of Georgia, Athens
Lines: 10

If I had a Uniden 2510, I think I would want to enable the CB frequencies, but NOT in order to engage in outlaw CBing. Instead, my purpose would be...

(1) To LISTEN to Channel 19 in traffic jams and the like;

(2) To have one more place I could transmit in a real emergency.

But then I'm one in a zillion.

73 de N4TMI

From 849902720967944020
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 07:49:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!nddsun1!darla!waters
From: waters@darla.tmc.edu (Strawberry Jammer)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Message-ID: <217@nddsun1.sps.mot.com>
Date: 19 Dec 90 15:49:00 GMT
References: <41520@ut-emx.uucp> <7500069@hpfcso.HP.COM>
Sender: root@nddsun1.sps.mot.com
Reply-To: waters%darla@dover.sps.mot.com (Strawberry Jammer)
Organization: Hacker's haven
Lines: 23
Posted: Wed Dec 19 09:49:00 1990

In article <7500069@hpfcso.HP.COM> ron@hpfcso.HP.COM (Ron Miller) writes:
{> VP-RF now that the code barrier has fallen, up at W2SZ.
{
{Don't get too excited. The code "barrier" hasn't "fallen" it's only
{been moved back a significant amount.

Very true. A step, but ONLY a step. CW is STILL legal just like it always was!

{Welcome no-code hams!
{
{(Just don't complain about "those funny beeps" on the repeater too often :-)

Actually I like "stand by for the breaker on CW" :-)

It is suprising how many G/A/E hams fall for it too!

Of course I keep my IDer at 25+ wpm which DOES help :-)

--
*Mike Waters   AA4MW/7 waters@dover.sps.mot.com *

** If guns are outlawed, how will conservatives win arguments? **

From -7990036236363110626
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,54131078de5c12d9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 07:56:06 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!nddsun1!darla!waters
From: waters@darla.tmc.edu (Strawberry Jammer)
Newsgroups: rec.ham-radio
Subject: Re: W.W.II
Message-ID: <218@nddsun1.sps.mot.com>
Date: 19 Dec 90 15:56:06 GMT
References: <779.276E7E75@w8grt.fidonet.org>
Sender: root@nddsun1.sps.mot.com
Reply-To: waters%darla@dover.sps.mot.com (Strawberry Jammer)
Organization: Hacker's haven
Lines: 27
Posted: Wed Dec 19 09:56:06 1990

In article <779.276E7E75@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
{
{"Rah-rah"??? Do I detect a little cynicism here? As a kid, I collected
{milkweed pods for fliers' life jackets, collected rubber and scrap metal, and
{bought War bonds and savings stamps.
{
{I also watched my church's service flag stars turn from blue to gold one by
{one and wondering if the 3rd star in the fourth row (my brother's) was
{someday going to be one of them. My brother's star stayed blue, but 8 out of
{34 didn't.
{
{So, my friend, be careful how you speak of a time when people still cared
{about more than their own amusement. "Rah-rah", indeed. [:-(

I suspect that seeing your freinds die for no purpose in Vietnam has had a little to do with that attitude. Add in a dash of cynical exploitation from government circles ("Read my lips") and a few like Jim Bakker, Falwell and Oral Roberts and I can well see where one gets just a tad cynical about such bandwagons.

Back to hand wringing about no-code ...

--
*Mike Waters   AA4MW/7 waters@dover.sps.mot.com *

** If guns are outlawed, how will conservatives win arguments? **

From -2130538205570068577
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7b579cb5c67f472c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 08:00:15 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!tut.cis.ohio-state.edu!
zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: Re: new technician class
Message-ID: <58130007@hpcupt1.cup.hp.com>
Date: 19 Dec 90 16:00:15 GMT
References: <5844@qip.UUCP>
Organization: Hewlett Packard, Cupertino
Lines: 6

Matter of fact how do you know I can legally talk in the Extra class
bands? My call is WA6SDM, not one of the fancy 2x1's or 2x2's. Guess
you could pull out the call book and look it up, but then he might have
upgraded since the last call book. Problems, Problems. Good God!!
Jim, WA6SDM
jholly@hpcupt1.cup.hp.com

From 6778577920482256961
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5c7f70ec12eeea7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 08:04:10 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!nddsun1!darla!waters
From: waters@darla.tmc.edu (Strawberry Jammer)
Newsgroups: rec.ham-radio
Subject: Foreign exchange (was Re: UK-->US ham license
Message-ID: <219@nddsun1.sps.mot.com>
Date: 19 Dec 90 16:04:10 GMT
References: <34435@netnews.upenn.edu> <12280030@hpspdra.HP.COM>
<1990Dec13.162450.16530@porthos.cc.bellcore.com> <291@bongo.UUCP>
<1990Dec18.185724.3518@wam.umd.edu>
Sender: root@nddsun1.sps.mot.com
Reply-To: waters%darla@dover.sps.mot.com (Strawberry Jammer)
Organization: Hacker's haven
Lines: 26
Posted: Wed Dec 19 10:04:10 1990

In article <1990Dec18.185724.3518@wam.umd.edu> rustyh@wam.umd.edu (Rusty Haddock)
writes:
{The 12 pounds is not that bad (about the same as my Aussie licence) and
{with a UK licence you can operate throughout Europe (CEPT countries) when
{you visit. What kills me is that I end up paying about twice that rate
{because the banks charge so much for the international bank draft!
{When I was in Oz the bank charged about $3, here in the US its more than $20!
{Does anyone know a better way to do it? Is it possible to do GIRO transfers

{from a US Bank? Is it cheaper?

You might try opening an account in a foreign bank, U.S. banks tend to try to "soak" you in any foreign currency transaction in my experience.
I used to have an account with Bank of Montreal (Canada) who would charge $1 (CDN) for a foreign currency transaction such as a money order. The nice thing is that the Canadian banks are almost all national banks so you can open an account ANYWHERE in Canada and many U.S. cities! B of M also does a lot of "bank by mail" too.

You DO have to declare the account on your income tax form and there are regulations for large amounts of money (>$3K or so), but so long as you aren't using the account for anything the government doesn't like there is no hassle.

--
*Mike Waters   AA4MW/7 waters@dover.sps.mot.com *

** If guns are outlawed, how will conservatives win arguments? **

From -3406437635334361916
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6853f07fc39f7ba0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 08:11:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!uunet!ogicse!plains!enders@plains.NoDak.edu
From: enders@plains.NoDak.edu (Todd Enders - WD0BCI)
Newsgroups: rec.ham-radio
Subject: The next step!?!?
Message-ID: <7233@plains.NoDak.edu>
Date: 19 Dec 90 16:11:55 GMT
Organization: North Dakota State University Fargo, ND
Lines: 69

Ok, the codeless license has been approved. We should hopefully be on the way to the new 'Golden Age' of Amateur radio. But we are still burdened with the wonderfully complex license structure (even moreso now, with perpetual CSCE's, etc.) dictated by some well-meaning folks in the early '60's.

I think the FCC could colapse the current 5 amateur license classes into 3, plus eliminate the need for perpetual CSCE's and two classes of 'grandfathered' technician class licensees by doing the following (preferably, before the new tech licensing takes effect):

1. Eliminate element 1B from General and Advanced class license requirements. Replace it with 1A, to conform to ITU regs.

2. Make all Technician class licenses issued between 4/1/87 (or whatever date Novice Enhancement took effect) and 2/15/91 non-renewable, with a 2 year licensing period.

3. Suspend the issuance of new General class licenses, making them likewise non-renewable, with a 5 year term.

Now for the explanation. (1) instantly upgrades 'Old' Techs to General since they would have passed 1A, 2, and 3 (now 3A and 3B), and are on an equal footing with generals. (2) phases out the remaining Techs that have passed 1A, 2, and 3A. They either have to take 3B and become Generals, or revert to no-code Techs or Novice. When the new Tech test comes on-line, it should be element 3 (i.e. combine 3A and 3B again). (3) phases out Generals over a 5 year term. Either they upgrade by taking 4A to advanced, or they revert back to no-code Tech or Novice. We would then have the following license structure:

Novice:	1A, 2
Tech	2, 3
Advanced	1A, 2, 3, 4A
Extra	1C, 2, 3, 4A, 4B

Actually, at this point the novice ticket becomes a bit redundant, so it could then be phased out, leaving us with:

Tech	2, 3
Advanced	1A, 2, 3, 4A
Extra	1C, 2, 3, 4A, 4B

Although Advanced should probably be renamed to reflect it's status as the primary HF amateur license. You will note that this scheme keeps Extra. This is *not* an error! The Extra has always been a 'wallhanger' in relation to the privleges you get for the effort you expend. I feel it should be preserved as a status symbol, if nothing else. With less paperwork, the FCC might even resume issuing the wall certificate type of Extra license.

The current Tech, General, and Advanced licenses have the most in common, and are the most likely candidates for 'telescoping' into one class. The upgrade route is simple, with most folks probably only opting to upgrade from no-code to the primary license. Them that want's Extra can go the route and get it, too.

73,

===

Todd Enders - WD0BCI   ARPA: enders@plains.nodak.edu
Computer Center   UUCP: ...!uunet!plains!enders
Minot State University   or: ...!hplabs!hp-lsd!plains!enders
Minot, ND 58701   Bitnet: enders@plains

"The present would be full of all possible futures,
 if the past had not already projected a pattern upon it" - Andre' Gide

===

```
From 4896574680621958901
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,54131078de5c12d9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 08:28:55 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!ub!
uhura.cc.rochester.edu!uhura!saaf
From: saaf@joker.optics.rochester.edu (Lennart Saaf)
Newsgroups: rec.ham-radio
Subject: Re: W.W.II
Message-ID: <SAAF.90Dec19112855@joker.optics.rochester.edu>
Date: 19 Dec 90 16:28:55 GMT
References: <779.276E7E75@w8grt.fidonet.org>
Sender: news@uhura.cc.rochester.edu
Organization: The Institute of Optics, University of Rochester
Lines: 29
In-reply-to: jim.grubs@w8grt.fidonet.org's message of 18 Dec 90 17:28:12 GMT

In article <779.276E7E75@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim
Grubs) writes:
>  >
>  > The advertising section in the back had a lot of war-effort rah-rah,
>  > ususally depicting a pennant with an "E", referred to as the Army/Navy
>  > E. I assume that was a citation for contributing to the war effeort,
>  > right?
>
> "Rah-rah"??? Do I detect a little cynicism here?
>
> So, my friend, be careful how you speak of a time when people still cared
> about more than their own amusement. "Rah-rah", indeed. [:-(
>
What the hell's wrong with rah-rah? Do I detect a little
hyper-sensitivity here? I call it rah-rah because it was an emotional
appeal to pride of serving your country in time of war. That war
effort was worth supporting in the opinion of a vast majority of
Americans, myself included. And if you think that people today care
only about their own amusement, you should talk to some of the kids
over in HZ-land and their families.

So how about "Common Carrier Communication?" Did anyone on the net
ever do it?

Len, NV2Z
--
------------------------------------------------------------------------
| Len Saaf, The Institute of Optics, Univ. of Rochester, Rochester, NY |
| Internet: saaf@joker.optics.rochester.edu        Bitnet: SAAF@UOROPT |
------------------------------------------------------------------------


From 5791887595297239270
X-Google-Language: ENGLISH,ASCII-7-bit
```

X-Google-Thread: 10c9e3,57ab392a8fe5cb56
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 08:44:58 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!swbatl!ken
From: ken@swbatl.sbc.com (Ken Gianino 5-9081)
Newsgroups: rec.ham-radio
Subject: Re: HC901204.ZIP - HamComm: Transmit/receive RTTY with PC/XT/AT
Message-ID: <1990Dec19.164458.8746@swbatl.sbc.com>
Date: 19 Dec 90 16:44:58 GMT
References: <1563.w8sdz@wsmr-simtel20.army.mil>
Organization: Southwestern Bell Advanced Technology Laboratory
Lines: 7

I would love to try the HamComm software that has been discussed on the net. Has anyone else had trouble logging in to wsmr-simtel20.army.mil ? Every time I connect (for a week) it says "too many anonymous useras at this time - try again later". Could someone post it here or load it to another more accessible system?
Ken - WB0QNA

From -1860038997521423217
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e84b4ec58dbebb61,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 09:03:29 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!snorkelwacker.mit.edu!bloom-beacon!deccrl!news.crl.dec.com!shlump.nac.dec.com!suisse.enet.dec.com!d_muller
From: d_muller@suisse.enet.dec.com (Dan Muller)
Newsgroups: rec.ham-radio
Subject: Help needed with Yaesu FT-101B
Message-ID: <1990Dec19.114535@suisse.enet.dec.com>
Date: 19 Dec 90 17:03:29 GMT
Sender: newsdaemon@shlump.nac.dec.com
Reply-To: d_muller@suisse.enet.dec.com (Dan Muller)
Organization: Digital Equipment Corporation, Littleton, MA
Lines: 33

--
I recently got on the air for the first time with a Yaesu FT-101B - what a thrill! But I'm having a slight problem with tuning up the transmitter for SSB operation. With the meter switch on ALC, the needle won't budge from the full-scale position, no matter how hard I yell into the microphone (while connected to a dummy load, of course :-)

I followed all the transmitter tune-up directions meticulously, paying special attention to the adjustment of the ALC pot under the hood. Setting this correctly was a bit tricky - usually I'd transmit to test, the needle would pin-out to the right, I'd back the pot off to get full-scale, and then try again. Then the needle would be below full scale. It took a while to get a feel for how to set it so it would come up to full scale correctly when transmitting started. The fact that the pot setting seemed _real_ touchy right around there didn't help matters - perhaps the potentiometer is worn out in this spot?

In any case, my first (and, thus far, only) QSO didn't evoke any complaints about my signal quality, so I don't really know if there's a problem with the ALC circuitry, or just with the meter. I have some understanding of electronics but not much practical experience. The schematics seem to indicate that the ALC circuitry is very simple.

Has anyone out there had any similar experiences with this xcver? Any suggestions on what might be wrong or what I should check? I've got a good multimeter and a lousy oscilloscope, but no other test equipment.

```
| Dan Muller (KA1UXL)            | d_muller@took.enet.dec.com
| Digital Equipment Corporation  | 508 486-7614
| 550 King St., LKG2-2/BB9       | "So THAT's what an invisible barrier
| Littleton, MA 01460            |   looks like!" - the movie "Time Bandits"
```

From 6792167095060671137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b39b51f887746cb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 09:11:13 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpfcso!ron
From: ron@hpfcso.HP.COM (Ron Miller)
Newsgroups: rec.ham-radio
Subject: Re: 10 meter rig recommendation?
Message-ID: <7500070@hpfcso.HP.COM>
Date: 19 Dec 90 17:11:13 GMT
References: <1990Dec5.212046.11491@midway.uchicago.edu>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 14

In article <19267@unix.SRI.COM> larson@snmp.sri.com (Alan Larson) writes:
>p.s. Ever have the urge to ID at the end of a phone call? :-)
> I once watched a guy id on a test of a cassette tape recorder.

How about on a scrambled military secure voice circuit? (Didn't quite :-)

Ham radio is a great cure for mic fright.

Ron
NW0U
(Fastest CW operator aboard ship was me- a $!!&# OFFICER :-)

From 9139868516634431981
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 09:22:36 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!att!news.cs.indiana.edu!sdd.hp.com!hplabs!hpfcso!ron
From: ron@hpfcso.HP.COM (Ron Miller)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Message-ID: <7500071@hpfcso.HP.COM>
Date: 19 Dec 90 17:22:36 GMT
References: <41520@ut-emx.uucp>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 19

>
> I wish you were right...but the canonical comment of those who operate between
> 27.405 and 28 MHz is, "I'd get a ham license if it weren't for that #$%@#$^
> code." Those people will rush to get no-code licenses. That's what frightens
> me about no-code, and _nobody_ has yet shown me that that fear is unfounded.
>
> --
> Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can

I think they're just breaking wind. The *next* excuse will be that
the theory is too hard.

After all, the gang that doesn't know an "omenmeter" from a "joltmeter,"
and are known to carry saltwater in jugs in their car trunks to
improve their signals, aren't going to pass the test. :-)

Ron
NW0U

From -5550936027539083820
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0c54d597d79c632
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-19 09:27:54 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Codeless Tech License
Message-ID: <785.276F70E6@w8grt.fidonet.org>
Date: 19 Dec 90 17:27:54 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 51

> From: kchen@Apple.COM (Kok Chen)

> Date: 18 Dec 90 18:30:07 GMT
> Organization: Apple Computer Inc., Cupertino, CA
> Message-ID: <47468@apple.Apple.COM>
> Newsgroups: rec.ham-radio
>
> tad@ssc.UUCP (Tad Cook) writes:
>
> >How many of your friends who are interested in DSP, networking,
> >etc (NOT just in yakking on 2 FM) are planning to get their Tech
> >come February 15?
>
>
> You will be surprised, Tad, at how much latent interest there is
> in Ham radio around the hi-tech spots, with Morse code being the
> main hinderance up till now.
>
> A colleague who was studying Morse has now stopped and is simply
> waiting for February to roll around. A friend in another company
> who tried hard and gave up on Morse about a year ago has asked me
> to wake him as soon as an exam session is available. These are EEs
> who are as likely to homebrew as they are to yakking on 2m with a
> storebought HT. Hey, these guys think the written tests are at
> best a joke :-) It was situations like these that made me get off
> my buns and write in to the FCC earlier (never lobbied any govermental
> organization, for any cause, *ever,* before that).
>
> There are also those who are more likely to just yak on 2m. A
> tech in my group now wants a license (and he had to do Morse in the
> Navy - but swore never to touch the key again). A project manager
> whose XYL is a Ham now wants his license.
>
> A portion of these folks will eventually learn Morse for the fun
> of it or to be able to get on HF. Both the EEs have confessed that
> to me. Technical folks who work with multi-megabit-per-second data
> links in their daily work activity are sometimes too proud to *have*
> to learn a mode of communications where you manually micro-manage the
> makes and breaks of electrical contacts.

I have been thinking about all of the reports similar to this that I have heard, and it suddenly dawned on me that perhaps part of the opposition to no-code was the desire of some to keep ham radio down at the slow, lotech level they can keep up with.

Any thoughts on this?

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 2676084253410197553
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 14:37:19 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Keywords: NoCode
Message-ID: <620@chiton.ucsd.edu>
Date: 17 Dec 90 22:37:19 GMT
References: <7169@jhunix.HCF.JHU.EDU> <40074@genrad.UUCP> <41520@ut-emx.uucp>
<1990Dec17.161526.5276@ni.umd.edu>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 20

In article <1990Dec17.161526.5276@ni.umd.edu> louie@sayshell.umd.edu (Louis A. Mamakos) writes:
>See how CW hazing has made sure that only "worthy"
>folks have had licenses?
>
CW "operating" has made sure that new Amateurs learned good operating practices
along with the fundamental traditions of friendliness and civility.
>
>I for one hope that the infusion of new blood will turn the topic of
>QSOs from the latest round of medical problems and treatments to more
>interesting topics.
>
I hope that the "new blood" will have some compassion for the many senior and
disabled Hams whose only human contact with friends is on the air.

AA6PN
--
richard currier marine physical lab u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From 4066941424181935929
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5ca99e9578683df5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 14:38:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!usc!apple!agate!ucbvax!JHUVMS.HCF.JHU.EDU!ALF
From: ALF@JHUVMS.HCF.JHU.EDU (CATHRYN)
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V90 #530
Message-ID: <EAA927CE0CDFC03093@JHUVMS.BITNET>
Date: 17 Dec 90 22:38:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet

```
Lines: 11

someone got into my account last night, and fooled around in it.  This is
a disrequest for all th email messages I have been getting and deleting all day.
     Thanks for your cooperation.
          ALF
<------------------------------------------------------------------------------->
Amie L. Flexner          |     "Let the earth rejoice
                         |     Let the sea roar
ALF@Jhuvms.BITNET        |     Let people unite
ALF@jhunix.hcf.jhu.edu   |     Let people unite!!!!"
ALF@jhuvm.BITNET         |
(301) 338-5935           |    the chorus of a song by Beged Kefet


From 7726138015242824757
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 14:47:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
snorkelwacker.mit.edu!apple!agate!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9012172247.AA21395@tilde>
Date: 17 Dec 90 22:47:41 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 41

Subject: Re: Another Look at Radar Detector Legality for Hams

> Regarding Photo Radar -
>   A similar scheme was tried about 20 years ago in Arlington, Tx
> (between Dallas and Fort Worth).  There was a camera mounted on
> a pole, and if you crossed two sensor wires in the pavement too
> fast, it took a picture. This had only one major effect - since
> it was stationary, everyone would speed like crazy until they got
> up to the sensors, and then cram on the brakes.  Lots of accidents
> there because people who didn't know about the system weren't
> expecting the guy in front to "panic" brake from 70 down to 50
> in the middle of an open area.
>
> Also, EVERY single weekend, someone would go out with a spray can
> of black paint and opaque out the lens.  (not that I would suggest
> such a thing)...

Does anyone remember the days of the "Whammy"?  These were the two
"tubes" stretched across the road at measured intervals that measured the
time required for a car to trip the two wires.  Usually there was a cop
hidden in the trees just off the road who would take after the speeders.
Also, some jurisdictions took to placing plain rubber hoses across the road
```

as decoys. They accomplished the same thing: getting speeders to slow down for a few hundred yards.

In defining police radar, someone stated that it is a locating device. This is not correct. Police radar cannot tell you where the target is; neither can it tell you which direction it is moving. Only the operator can determine that; and the device can only measure speed.

Also, my definition of telemetry doesn't fit, because the device does not transmit the data it derives; it just displays it.

IMHO, it is important that none of these speed detecting devices solve the problem of speeders killing themselves or others a few miles down the road past the speed check points.

73,
Dube Todd   N5PDK

"Why waste time learning, when ignorance is instantaneous?"

From 2683037007849753908
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e6c685dea069511,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 14:48:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!asuvax!anasaz!qip!rusty
From: rusty@qip.UUCP (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Callsign project update
Keywords: callsign project
Message-ID: <5836@qip.UUCP>
Date: 17 Dec 90 22:48:33 GMT
Organization: Anasazi, Inc., Phoenix Az.
Lines: 20

Just called the NTIS today (Monday, December 17, 1990 - there, that better? :-), and they said that the FCC had gotten the callsign database to them last Friday, they should have it out to me sometime this week (and, of course, I'm going to Colorado for a week, so I will not get the data until at least December 30, sorry about that folks!).

So, all you callsign project folks - sorry for taking so long to post anything, but at least its "real news" now.

Rusty (aka Mr Callsign Project, aka Rusty "I must be nuts to be doing this again" Carruth :-).

--
+++ 73 de N7IKQ +++

Rusty Carruth   {ames!ncar!noao!asuvax,mcdphx}!anasaz!rusty
P.O. Box 27001, Tempe, AZ 85285   anasaz!rusty@asuvax.eas.asu.edu
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz
The Ham Callsign Project, part 3 (the 1990 version) - its HERE! Email for info

From -5726841229934363876
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 15:21:00 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!sdd.hp.com!apollo!hays
From: hays@apollo.HP.COM (John Hays)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Keywords: NoCode
Message-ID: <4ea88b70.20b6d@apollo.HP.COM>
Date: 17 Dec 90 23:21:00 GMT
References: <7169@jhunix.HCF.JHU.EDU> <40074@genrad.UUCP> <41520@ut-emx.uucp>
<1990Dec17.183401.23317@athena.cs.uga.edu>
Sender: root@apollo.HP.COM
Reply-To: hays@hpuslua.nsr.HP.COM (John Hays)
Organization: Hewlett-Packard Company, Salt Lake City, UT
Lines: 23
Posted: Mon Dec 17 15:21:00 1990

In article <1990Dec17.183401.23317@athena.cs.uga.edu> mcovingt@athena.cs.uga.edu
(Michael A. Covington) writes:
>It is incumbent on all of us to welcome the new no-code Technicians into
>the mainstream of ham radio.
>
>... Remember, the FCC doesn't give us spectrum
>to preserve the radio traditions of 1920. They give us spectrum in order
>to serve the public, enhance international goodwill, advance the radio art...
>
>So here's my message to all the new Techs: WELCOME!

Here! Here!!

I see this as an opportunity for us to recruit many new people into the
Ham Radio Fraternity! I even got the XYL to say she would now study for
the Technician license! I have started working on a couple of co-workers.

I think we should put messages out to other news groups which we are personally
envolved with that could benefit by the changes. (i.e. back packers, bicyclists,
aviators, boating enthusiasts, video users, all the personal computer forums,
etc.)

John

From 6365887248092726647

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bde3d0993b3fcb8b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 15:27:26 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!cs.uoregon.edu!mips!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: Is the ARRL really our voice in Washington D.C.
Keywords: ARRL
Message-ID: <3061@wyse.wyse.com>
Date: 17 Dec 90 23:27:26 GMT
References: <18184@shlump.nac.dec.com>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 47
Posted: Mon Dec 17 15:27:26 1990

In article <18184@shlump.nac.dec.com> magid@esis.enet.dec.com (Joel Magid...) writes:
>
> While I am a member of the league and have supported a good
> number of their proposals I wonder if they are really representing
> the needs and desires of the Amateur community.
>
> Here is the track record:
>
> 1. 220 --- the FCC wins but may in time give us 216-220 plus 222 +
>
> 2. NPRM 90-55 the only thing the league got us was the ability to
> hold on to the novice class. (I supported the FCC here)
>
> 3. On the code waiver for the handicapped the FCC did it their way
> leaving the league out in the cold.
>
>
> I think the ARRL needs to begin to hear the amateur community a little
> better and as well we need to be more vocal to the ARRL about our
> desires.

Seems to me this is a little mis-directed. The ARRL did hear the requests of the membership in bringing up 90-55 to begin with.

The fact that they didn't succeed in staving off the actions of the FCC can be blamed on many things, but NOT the ARRL not listening, or trying to effect the FCC's decisions in a way consistant with what the membership desired. You certainly can gripe about how effective the league was in the above efforts, but they were in there pitching! If the league had sat on its haunches during the 220 business, the handicaped issue, or no-code then you'd be correct in your statement, but that doesn't describe what they did.

As an example, in the 220 effort the league didn't have to do much interpreting of what the members wanted to figure out that loosing the band wasn't a good idea for the hobby.   What they did do was 1) File comments with the FCC against the propossal, 2) File reply comments on UPS comments, etc. 3) Petition for reconsideration of the action once it was taken, 4) Lobby congress to change the FCC's ruling(which yielded a supporting resolution and a congressional hearing.) 5) Take the FCC to court over their ruling.   So they took the appropriate steps in something approaching the appropriate order. You can certainly pick holes in some of the efforts in this process(I know I can...) but to say they didn't try, and they didn't represent what their membership desires doesn't track from what I can see.

73's de Steve KA6S

From -8317097243544113260
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 15:37:07 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!cs.uoregon.edu!mips!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: morse code
Message-ID: <3062@wyse.wyse.com>
Date: 17 Dec 90 23:37:07 GMT
References: <1990Dec12.231058.23895@engin.umich.edu> <1990Dec14.012315.7858@zoo.toronto.edu> <1990Dec14.084634.26138@yenta.alb.nm.us> <1990Dec14.165331.2673@athena.cs.uga.edu>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 29
Posted: Mon Dec 17 15:37:07 1990

In article <1990Dec14.165331.2673@athena.cs.uga.edu> mcovingt@athena.cs.uga.edu (Michael A. Covington) writes:
>> man on a boat who had a CB whose microphone didn't work; used CW for
>> distress call
>
>Did that *really* happen or was it a fictionalized account of what *might*
>happen? I thought it was the latter.
>
>What are the odds of a microphone element failing while the push-to-talk
>button stays in working order?

I don't know if the particular story be related is the one I'm familiar with but ....

Many moons ago down in the Santa Barbara area exactly this story did occur. I might get the players slightly mixed up since it has been at least 10 years....

Guy on his boat several miles out into the SB channel got in trouble
as the weather turned nasty.   For some reason he didn't use marine
channels(maybe didn't have them..) and did have a working CB(sorta).

He called several times on Channel 9 but to no avail.... and finally
reverted to keying the radio on/off sending morse code. Dave, W(A/B?)6RGJ,
while monitoring channel 9 copied the signal and figured out what the guy on
the boat was saying...HELP! Dave contacted the coast guard and got them
to dispatch a boat to help the boat in trouble. Guy was picked up off the
boat before it got swamped...

Steve KA6S

```
From -7981964225992200919
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 15:46:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!know!sdd.hp.com!apollo!hays
From: hays@apollo.HP.COM (John Hays)
Newsgroups: rec.ham-radio
Subject: Re: No-code license
Message-ID: <4ea8a25f.20b6d@apollo.HP.COM>
Date: 17 Dec 90 23:46:00 GMT
References: <9012150044.AA01342@tilde> <24904@ucsd.Edu>
<1990Dec16.073847.6099@ux1.cso.uiuc.edu> <619@chiton.ucsd.edu>
Sender: root@apollo.HP.COM
Reply-To: hays@hpuslua.nsr.HP.COM (John Hays)
Organization: Hewlett-Packard Company, Salt Lake City, Utah
Lines: 8
```

I didn't know 30m was CW only --- I'm certain that I have heard other digital
modes such as RTTY, AMTOR, and Packet !!!! :)

I have felt that we should have automatic packet running at the low end of 10
Meters --- kinda discouraging to CB'ers and others to hear a constant BRAP
BRAP BRAP.

73's de kd7uw

```
From 554205185921332719
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae048f33ca952844
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 16:00:31 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!cs.uoregon.edu!mips!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <3063@wyse.wyse.com>
Date: 18 Dec 90 00:00:31 GMT
```

References: <742.276762D0@w8grt.fidonet.org> <19152@unix.SRI.COM>
<1990Dec16.004633.6662@NCoast.ORG>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 25
Posted: Mon Dec 17 16:00:31 1990

In article <1990Dec16.004633.6662@NCoast.ORG> allbery@ncoast.ORG (Brandon S.
Allbery KB8JRR) writes:
>As quoted from <19152@unix.SRI.COM> by larson@snmp.sri.com (Alan Larson):
>+---------------
>| Well, you still don't like it. Perhaps if you tried 20 meters in
>| the section between 14.0 and 14.1 MHz, you might find otherwise.
>+---------------
>
>Operating CW may reduce liddishness, but I've heard enough hams with about
>as many functioning neurons as symbols in their call to know that *knowing*
>code doesn't filter anything.
>
>++Brandon
>--
>Me: Brandon S. Allbery   VHF/UHF: KB8JRR on 220, 2m, 440

Brandon,

Your insisting that the statement "CW acts as a filter" be an absolute.
No-one ever claimed it was a perfect filter, just the best available(and
time tested...)

Now it's up to the OO's to clean up the mess that I expect to occur...
and there is only 650 of them in the entire country.

Steve KA6S

From -1451234619728150184
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,57ab392a8fe5cb56
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 16:10:24 PST
Path: gmdzi!unido!mcsun!uunet!olivea!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!
hp-pcd!hplsla!charlier
From: charlier@hplsla.HP.COM (Charlie Panek)
Newsgroups: rec.ham-radio
Subject: Re: HC901204.ZIP - HamComm: Transmit/receive RTTY with PC/XT/AT
Message-ID: <5720089@hplsla.HP.COM>
Date: 18 Dec 90 00:10:24 GMT
References: <1563.w8sdz@wsmr-simtel20.army.mil>
Organization: HP Lake Stevens, WA
Lines: 22

>HC901204.ZIP   HamComm: Transmit/receive RTTY with PC/XT/AT

Oh, I forgot.. To save trouble for anyone else who might download this program, the sample config file that comes with it has some strange defaults that you'll probably need to correct. HC.CFG tries to pick COM4 as the startup com port, and also disable COM1 from use. Since COM1 was the only port I had available, this had me stymied for a few minutes. Just pull HC.CFG into your favorite text editor, and comment out these lines with a leading "#":

```
  define port com4  iobase 0x3e8  irq 5
.
.
  define port com1  iobase 0  irq 0
.
.
  select port com4
```

```
Charlie Panek (UUCP:   hplabs!hp-pcd!hplsla!charlier)
KX7L          (domain: charlier@lsid.hp.com)
```

```
From 6117297299852900797
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,419ba1871e1b9864,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,419ba1871e1b9864,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-12-17 16:50:32 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!uc!nachos.SSESCO.com!
SSESCO.com!elmquist
From: elmquist@SSESCO.com (Chris Elmquist)
Newsgroups: rec.ham-radio,sci.space
Subject: Internet address for NASA elements
Message-ID: <286@nachos.SSESCO.com>
Date: 18 Dec 90 00:50:32 GMT
Sender: elmquist@nachos.SSESCO.com
Followup-To: rec.ham-radio
Organization: none
Lines: 18
Xref: gmdzi rec.ham-radio:18044 sci.space:18442
```

Someone sent e-mail asking for the actual internet address for our NASA element set FTP site. My e-mail is bouncing to him, so I thought I'd post for the benefit of the net.

NASA element sets are available for anonymous FTP from:

```
     nachos.ssesco.com  [192.55.187.18]
```

in the directory:

sat_elements/nasa

Please use your e-mail address as the anonymous password so
that we can trace network problems.

Thank you.

Chris

From -2324935104903442351
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 16:52:43 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!apple!sun-barr!lll-winken!unixhub!shelby!paulf@shasta.Stanford.EDU
From: paulf@shasta.Stanford.EDU (paulf)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Keywords: NoCode
Message-ID: <36@shasta.Stanford.EDU>
Date: 18 Dec 90 00:52:43 GMT
References: <41520@ut-emx.uucp> <1990Dec17.161526.5276@ni.umd.edu> <620@chiton.ucsd.edu>
Organization: The Three Packeteers
Lines: 15

In article <620@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
>CW "operating" has made sure that new Amateurs learned good operating practices
>along with the fundamental traditions of friendliness and civility.

Sure it has. That's why most of the ARF and BARF people have licenses
requiring 13 WPM or better, right?

My education in "good operating practice" and "friendliness and civility" came
from working rural 2m FM, and from working SSB DX (not pileups, but the real
thing), as well as ARES work. All voice.

-=Paul Flaherty, N9FZX | Without KILL files,
->paulf@shasta.Stanford.EDU | life itself would be impossible.

From 3362066468509954465
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bde3d0993b3fcb8b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 17:04:10 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!unixhub!shelby!paulf@shasta.Stanford.EDU
From: paulf@shasta.Stanford.EDU (paulf)
Newsgroups: rec.ham-radio

Subject: Re: Is the ARRL really our voice in Washington D.C.
Keywords: ARRL
Message-ID: <37@shasta.Stanford.EDU>
Date: 18 Dec 90 01:04:10 GMT
References: <18184@shlump.nac.dec.com> <3061@wyse.wyse.com>
Organization: The Three Packeteers
Lines: 21

In article <3061@wyse.wyse.com> stevew@wyse.UUCP (Steve Wilson x2580 dept303)
writes:
>Seems to me this is a little mis-directed. The ARRL did hear the requests
>of the membership in bringing up 90-55 to begin with.

90-55 came up only after the FCC took away 220. Those "requests" have been
there since the 1970s and the original communicator proposal.

>The fact that they didn't succeed in staving off the actions of the FCC
>can be blamed on many things, but NOT the ARRL not listening, or trying
>to effect the FCC's decisions in a way consistant with what the membership
>desired.

They ignored the input from the technical community which would have directly
addressed the concerns of the commission. Instead, they used the same,
tired arguments, most of which are no longer valid.

I think the days of the ARRL as the preeminent organization of Amateur Radio
are numbered...

-=Paul Flaherty, N9FZX | Without KILL files,
->paulf@shasta.Stanford.EDU | life itself would be impossible.

From -4795357733313839551
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 18:18:19 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!rutgers!cs.utexas.edu!sdd.hp.com!
zaphod.mps.ohio-state.edu!rpi!luigi
From: luigi@aix02.aix.rpi.edu (John L Luigi Giasi)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Keywords: NoCode
Message-ID: <}DJ^20-@rpi.edu>
Date: 18 Dec 90 02:18:19 GMT
References: <7169@jhunix.HCF.JHU.EDU> <40074@genrad.UUCP> <41520@ut-emx.uucp>
<1990Dec17.183401.23317@athena.cs.uga.edu> <4ea88b70.20b6d@apollo.HP.COM>
Organization: Rensselaer Polytechnic Institute, Troy NY
Lines: 23
Nntp-Posting-Host: aix02.aix.rpi.edu

It really disturbs me that this thread has been titled "A New Problem"
This (sadly) seems to be the typical reaction by too many of the Hams

out there in radio land. I hear the words "Filter", "QRM", and this gem
>"A message to the more virulent no-coders out there:
>
>IF WE GIVE YOU ALL OF THE REST OF THE SPECTRUM FOR NOTHING...WILL YOU LEAVE US
>ALONE ON 30 METERS?"

Well, before I'm convinced it's time to sink the ship, let me warn al who are
Ready to the stop the any new enthusiasm of no-coders, to stay away from
Rensselaer Polytechnic Institute, in Troy, New York, becuase we have already
signed up 35 people for a quick one day session the morning/afternoon of
one of our Saturday Evening VE sessions. I mean, after Emag Engineering with
Professer Vlannes, and Circuit Synthesis with Prof. Close, these kids can figure
out a Yagi pretty darn quick.
Quote of the day:(from a EE junior)" are you sure there are no smith charts
OR transfer functions on this radio thing?"
And this is finals week! I can't wait for january.
The president of the electronics club said they may even eliminate their
VP-RF now that the code barrier has fallen, up at W2SZ.

.. ... - .. .-.. .-.. ..- ... . -.-. .--
Luigi Giasi, KA1UTU, President of W2SZ the getting larger ARC of RPI
luigi@rpi.edu, KA1UTU@WA2UMX
"......come on in for the big win." -The General, Full Metal Jacket

From 4619061928079675214
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 18:55:24 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No-code license
Message-ID: <1990Dec18.025524.11380@ux1.cso.uiuc.edu>
Date: 18 Dec 90 02:55:24 GMT
References: <9012150044.AA01342@tilde> <24904@ucsd.Edu>
<1990Dec16.073847.6099@ux1.cso.uiuc.edu> <619@chiton.ucsd.edu>
Organization: University of Illinois at Urbana
Lines: 34

rec@chiton.ucsd.edu (Richard Currier) writes:

>A message to all who want to be able to enjoy the hobby in the future:
>
>FIGHT LIKE HELL TO KEEP THE 30 METER BAND AND DIE IF NECESSARY TO KEEP IT CW
>ONLY.

This assumes that 30 meters is a CW only band. It is NOT!

There are only TWO band segments in ALL of the Amateur Radio spectrum that
are truly CW only:
        50.0 - 50.1 MHz

144.0 - 144.1 MHz

FCC rules 97.305 lists the 30 meter band to include RTTY and Data.
Of course 30 meters is a NO-PHONE band, and I don't see any reason
to change it.

>A message to the more virulent no-coders out there:
>
>IF WE GIVE YOU ALL OF THE REST OF THE SPECTRUM FOR NOTHING...WILL YOU LEAVE US
>ALONE ON 30 METERS?
>
>Thank you all in advance for your civility, friendliness and patience.....

No thanks.

I will make a counter offer. Help us make sure we get to keep the VHF and
above bands and we will help you make sure we get to keep the HF and below
bands.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 5311930591412080650
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e5f47581d5f63505
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,e5f47581d5f63505
X-Google-Attributes: gid105d97,public
X-Google-Thread: 10aaab,e49947c8a847cc31
X-Google-Attributes: gid10aaab,public
X-Google-ArrivalTime: 1990-12-17 18:57:30 PST
Path: gmdzi!unido!mcsun!uunet!unsvax!jimi!tahoe!apple!well!tswift
From: tswift@well.sf.ca.us (Theodore John Swift)
Newsgroups: alt.books.technical,sci.electronics,rec.ham-radio
Subject: Re: How much does it cost? (was A Wonderous Electronics...)
Message-ID: <22227@well.sf.ca.us>
Date: 18 Dec 90 02:57:30 GMT
References: <47242@apple.Apple.COM> <1990Dec11.064909.26800@uokmax.ecn.uoknor.edu>
<15918@burdvax.PRC.Unisys.COM>
Organization: Whole Earth 'Lectronic Link, Sausalito, CA
Lines: 7
Xref: gmdzi alt.books.technical:101 sci.electronics:10265 rec.ham-radio:18051

Who cares? It's a *book* ! :-)
--

Ted Swift tswift@well.sf.ca.us
"You bally well are informed, Jeeves! Do you know everything?"
"I don't know, sir"   ~P.G. Wodehouse

```
From 4129083636499818058
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-17 19:07:04 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!newstop!texsun!csccat!adept!alan
From: alan@adept.UUCP (Alan Ruffer)
Newsgroups: rec.ham-radio,news.groups
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <347@adept.UUCP>
Date: 18 Dec 90 03:07:04 GMT
References: <346@adept.UUCP> <VyL9T5w163w@phoenix.com>
Reply-To: alan@adept.UUCP (Alan Ruffer)
Followup-To: rec.ham-radio
Organization: Perfect Partners Inc., Sulphur, LA
Lines: 43
Xref: gmdzi rec.ham-radio:18156 news.groups:23731

In article <VyL9T5w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
>alan@adept.UUCP (Alan Ruffer) writes:
>> I guess your license says ham on it?  Hmmm, funny mine doesn't, it says
>> Amateur.
>   Mine says neither rec.ham-radio nor rec.radio.amateur. It does use the
>word "license". If what the license says is what we should use, then the
>group name should be amateur.radio.license.
                      ^^^^^^^
This is the only part I am reccomending.

Lets not TWIST everything that I've said here, as you have a habit of
doing.

I was merely pointing out that the license says AMATEUR not ham.


>> >Law: If it ain't broke, don't fix it.
>>
>> This should be applied wherever possible.  The problem is things are not
>> right or there never would have been a call for reorganization.
>
>   The name is not broken. Don't fix it. The structure is broken. Fix that.
> Changing the name is not chaging the structure.

I'm not saying the name is broken here...
It's just not as descriptive as it should be.
As part of the structure enhancement rec.radio.amateur.satellite might do
some good towards the end of distributing some of the traffic.

>> >Corollary: Even if it's broke, I like it that way.
>> This is a refuge for those without the initiative to make things better.
>   There is still no evidence that renaming the group will make it better.
```

There is no evidence it WON'T make it better either.

```
+---------------------------------------------------------------------------+
| Alan R. Ruffer      UUCP: {csccat,chinacat!holston}!adept!alan            |
| Route 1, Box 1745   Amateur Radio Station WB5FKH                          |
| Sulphur, LA 70663   BBS: (318) 527-6667, 19200(PEP)/9600(V.32)/2400/1200 |
|                                                                           |
| "A witty saying proves nothing." -- Voltaire                              |
+---------------------------------------------------------------------------+
```

From 2142758714239076717
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 19:25:57 PST
Path: gmdzi!unido!mcsun!uunet!fernwood!apple!usc!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!aplcen!boingo.med.jhu.edu!haven!ni.umd.edu!
sayshell.umd.edu!louie
From: louie@sayshell.umd.edu (Louis A. Mamakos)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Keywords: NoCode
Message-ID: <1990Dec18.032557.10485@ni.umd.edu>
Date: 18 Dec 90 03:25:57 GMT
References: <41520@ut-emx.uucp> <1990Dec17.161526.5276@ni.umd.edu>
<620@chiton.ucsd.edu>
Sender: usenet@ni.umd.edu (USENET News System)
Organization: University of Maryland, College Park
Lines: 34

In article <620@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
>CW "operating" has made sure that new Amateurs learned good operating practices
>along with the fundamental traditions of friendliness and civility.

Huh? I've been licensed since 1976, and I have yet to make a single
CW contact on the air. Shocking, isn't it! Are you saying that I
haven't learned good operating practices? I've certainly not learned
good CW operating practices, but that certainly isn't a problem for
me.

How will CW help me learn good ATV operating practices?

How will CW help me learn good phone operating practices?

How will CW help me learn good OSCAR operating practices?

How will CW help me learn good repeater operating practices?

How will CW help me learn good packet operating practices? Will it
instruct me that P-persistant channel access algrithms on packet will

keep the channel from falling into congestive collapse? Will it teach
me how to implement effective networking protocols to allow a
frequencey to be fairly shared amongst a community of amateurs?

I suppose that I wanted to learn traditions of friendliness and
civility, I could visit a church.

CW may have help Amateurs learn the tradition of CW, but I fail to see
how it has helped the rest of us pursue our own interests in amateur
radio. If you enjoy CW, have at it; but don't tell me that I somehow
cannot be a "good" amateur without baptism by CW.

louie
WA3YMH

```
From -8919005867019085768
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,65f566769a171b95,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 19:27:00 PST
Path: gmdzi!unido!mcsun!uunet!olivea!mintaka!yale!cs.utexas.edu!samsung!usc!ucsd!
ucbvax!TRIUMFER.BITNET!MULTI
From: MULTI@TRIUMFER.BITNET
Newsgroups: rec.ham-radio
Subject: Need Yaesu Noise Blanker type PB1292 for FT-101E
Message-ID: <90Dec17.233034est.57614@ugw.utcs.utoronto.ca>
Date: 18 Dec 90 03:27:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
```

I would like to beg, borrow, steal, or purchase a Yaesu Noise Blanker,
type PB1292 for my FT-101E. Apparently these noise blankers are no longer
me made by Yaesu, so I have to turn to the used parts market. Can anybody
help me (for a fee)?

Y.N. Miles,
<MULTI@TRIUMFcl.bitnet>

```
From 2423707314470545653
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 20:16:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Keywords: NoCode
Message-ID: <688@wells.UUCP>
```

Date: 18 Dec 90 04:16:02 GMT
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 8

How about goint to a VE session and becoming a General or better.

***How many reading this know the real origin of the *fancy* setup of callsigns
the USA is blessed with?   ^^^^

And *puzzle* I went into the FCC office and took the 13 wpm code test. I did
not pass. I left that same day with my General license. (Back then the 30
day wait rule was inviolate. And the FCC examiner did NOT make any mistake.)

From -2152055728689493331
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b39b51f887746cb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 20:28:59 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
unix.cis.pitt.edu!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: 10 meter rig recommendation?
Summary: Re: 10 meter rig on CB
Message-ID: <689@wells.UUCP>
Date: 18 Dec 90 04:28:59 GMT
References: <1990Dec5.212046.11491@midway.uchicago.edu>
<530032@hpdmd48.boi.hp.com>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 40

In article <530032@hpdmd48.boi.hp.com>, ritchie@hpdmd48.boi.hp.com (David Ritchie)
writes:
> >I don't quite understand why a ham rig modified to run CB should be illegal.
> >Shouldn't the only requirement be that the emissions from the radio meet
> >then while it is doing so it IS a CB rig. What's the deal?
>
>   This is because amateur radio operators are not licensed to service
> CB transmitters. You must have a general radiotelephone license to do this,
> as CB requires that operators use type accepted equipment (as does other
> land mobile services). Amateur radio equipment is not type accepted, so
> it can not be used on CB frequencies.

The Commercial General license is a piece of wallpaper only. Used to be you
needed a 2nd phone license to work on anything, and a first phone for broadcast
but that was changed to where you need nothing to work on anything. Almost.
The commercial telegraph licenses for shipboard are still being issued, as a
ship operator may have to operate near some backward (1) country that wants to
make sure radio operators and technicians are qualified even though the great
U.S.A. don't give a damn.   > >Also, is it legal to modify a CB to operate on 10
meter ham? As a new
> >tech (of the coded variety), that seems to me to be the quickest and
> >dirtiest cheap way onto 10 meter SSB. If I have an SSB CB that runs off

> >of a phase lock loop, shouldn't I just have to change the frequency
> >synthesizer reference crystal to move the whole channel set up into 10m
> >ham?
>
Since we hams can build our own stuff we can modify anything to do whatever we
want as long as we stay in our boundaries. CB and everything else is type
approved or type accepted, whatever.

Actually, the hell with 10 SSB with its incessant CB'isms. All I hear there
is "thats a big roger", "QSL this" "QSL that" " what's the personal" and
I never worked Pennsylvania before - send me a card and I'll send you one if
I ever get some printed.   Get busy on the key. CW is the way to go.

'

>   And there is nothing stopping you from doing this -- amateur radio does
> not require the use of type accepted equipment. You will have to do more
> than just change the PLL to make this work, however.
>
> -- Dave Ritchie N4DJS
> ritchie@hpdmd48.boi.hp.com

From 7093015518705846933
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 20:32:30 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!cs.utexas.edu!rutgers!gatech!udel!
masters
From: masters@freezer.it.udel.edu (paul masters)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Keywords: NoCode
Message-ID: <39359@nigel.ee.udel.edu>
Date: 18 Dec 90 04:32:30 GMT
References: <40074@genrad.UUCP> <41520@ut-emx.uucp>
<1990Dec17.161526.5276@ni.umd.edu>
Sender: usenet@ee.udel.edu
Organization: University of Delaware -- ACIT Sun Lab
Lines: 25
Nntp-Posting-Host: toffee.it.udel.edu

In article <1990Dec17.161526.5276@ni.umd.edu> louie@sayshell.umd.edu (Louis A.
Mamakos) writes:
>In article <41520@ut-emx.uucp> kipper@ccwf.cc.utexas.edu (Kip Ingram) writes:
>
>>I actually heard most of the participants on BOTH SIDES of the "Herbie" thing
>>agree on something: on 2 meters, no one, and they meant NO ONE, was to talk

These people aren't on 2meters are they? I decided to moniter 14.313 for the
first time. As far as I'm concerned they all aught to be locked up.

I would be verry interested in efforts to get the FCC to do the job that we pay them to do, and enforce the laws. There is absolutely no excuse for the fedderal negligence in handleing this matter. It's gotten to the point where someone is going to get hurt, or killed, all because the FCC refuses to get off their lazy buts and end to this 14.313 problem.

(Sorry about the spelling, but I'm mad as hell right now.)

Paul Masters

--
I will not waste chalk..I will not skateboard down the halls..I will not
burp in class..I will not instigate revolution..I will not draw naked ladies
.....I will not program brahms.udel.edu to murder itself....
Paul Masters N3IRU (The ham license arived 12/04/90)

```
From 254111996647212269
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 20:46:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!ogicse!emory!
athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu ( Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Keywords: NoCode
Message-ID: <1990Dec18.044632.1032@athena.cs.uga.edu>
Date: 18 Dec 90 04:46:32 GMT
References: <41520@ut-emx.uucp> <1990Dec17.183401.23317@athena.cs.uga.edu>
<4ea88b70.20b6d@apollo.HP.COM>
Organization: University of Georgia, Athens
Lines: 14
```

The first wave of new Techs will be families of hams, and people who have been on the periphery of ham radio for some time (e.g., serious SWLs), and I expect these people to be very well behaved and to respect what's valuable in the traditions of ham radio.

The next wave will be serious electronics enthusiasts and the like.

I think that CBification will not happen, because people who just want to talk on the air will be rather put off by the theory exam. You have to remember that to someone with no electronics background, the Technician theory exam is not trivial.

And most of all, the process of studying for the theory exam will create a sense of commitment the same way that learning the code does.

```
From 1500242152733283139
```

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 21:03:36 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!emory!
athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu ( Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: No-code license
Message-ID: <1990Dec18.050336.1415@athena.cs.uga.edu>
Date: 18 Dec 90 05:03:36 GMT
References: <1990Dec16.073847.6099@ux1.cso.uiuc.edu> <619@chiton.ucsd.edu>
<1990Dec18.025524.11380@ux1.cso.uiuc.edu>
Organization: University of Georgia, Athens
Lines: 21

>>A message to the more virulent no-coders out there:
>>
>>IF WE GIVE YOU ALL OF THE REST OF THE SPECTRUM FOR NOTHING...WILL YOU LEAVE US
>>ALONE ON 30 METERS?
>>
>>Thank you all in advance for your civility, friendliness and patience.....
>
>No thanks.
>
>I will make a counter offer.  Help us make sure we get to keep the VHF and
>above bands and we will help you make sure we get to keep the HF and below
>bands.
>--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society

Who is closer to the intended purpose of Amateur Radio...
the CW antiquarians or the VHF experimenters?

We all need to remember that the FCC doesn't give us spectrum to preserve
traditions. The FCC gives us spectrum (which it could easily have sold to
the commercial users, at *any* time in our history!) because of public
service, international goodwill, and ADVANCING THE RADIO ART.


From -8435884039535798423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31a8360191158b8e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 21:55:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Another Look at Radar Detector Legality for Hams
Message-ID: <5841@qip.UUCP>
Date: 18 Dec 90 05:55:00 GMT
References: <9012110416.AA23478@uunet.uu.net>
Organization: Anasazi, Inc.  Phoenix, Az
Lines: 22
```

In article <9012110416.AA23478@uunet.uu.net> 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE") writes:
]Great! Now we've got a way to get rid of those pesky photo-radar revenue
]enhancers that are all the rage now. Would the next person to get nailed
]by one of those !#%$^! things try this as a defense and let us know how
]it worked (1/2 :-))?

The darn thing that lurks down the street from me in the pioneering
photo-cop town of Paradise Valley, Arizona is manned (or womanned).
I don't think it has anything to do with FCC regulations, but is more
related to past experiences in Texas where the removal of spent lead
projectiles and subsequent repair was a bit too expensive.

By the way - my 3 band radar detector DOES give enough warning to
take corrective action if one is on the ball (and, heaven forbid, if
one should exceed the 40 mile per hour speed limit on the 4 lane, divided,
no stoplights for a mile road segment).

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From -8883617573501195541
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,826c89a0a9e155c4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 21:59:51 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: ? 2m/440 Duplexers
Message-ID: <5842@qip.UUCP>
Date: 18 Dec 90 05:59:51 GMT
References: <1252@west.West.Sun.COM> <2190003@hplvec.LVLD.HP.COM>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 22

In article <2190003@hplvec.LVLD.HP.COM> chris@hplvec.LVLD.HP.COM (Chris Kelly) writes:
]The Larsen is a hipass/lopass design, with crossover near 300 MHz.
]The implementation is very good, and would be hard to beat
]without a lot of work. The reason I say this is that the loss
]of the duplexer is so low that I could not reliably measure
]it on the HP network analyzer I was using. I think that the

Are you sure you had it set up right? We had to send some back after
they caused trouble when we attempted to diplex 2M and 440 on the

same hardline. After (sigh - sometimes we just never learn) we got
them down from the 120 foot tower, we put them on a tracking sweep
generator/spectrum analyzer combination and found very poor and not
very consistent pass characteristics. I don't know if the return loss
was also measured or not.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From -84594638085486082
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a0340e29e2ecb5c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 22:12:50 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!asuvax!
anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: FCC ACTS ON CODELESS LICENSE
Message-ID: <5843@qip.UUCP>
Date: 18 Dec 90 06:12:50 GMT
References: <748.2767FFE5@w8grt.fidonet.org>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 33

In article <748.2767FFE5@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim
Grubs) writes:
]
] > From: jbloom@uhasun.hartford.edu (Jon Bloom)
] > Date: 13 Dec 90 19:28:37 GMT
] > Organization: The University of Hartford
] > Message-ID: <409@ultrix.uhasun.hartford.edu>
] > Newsgroups: rec.ham-radio
] >
] >
] >   December 13, 1990
] >
] > FCC ESTABLISHES NEW CODELESS CLASS OF AMATEUR OPERATOR LICENSE
] >   (PR DOCKET 90-55)
]
]I take back part of what I have said about them in the past. Sometimes the FCC
]does indeed do something right!!!
]

I'm pleased, but not all that surprised. I had previously speculated
that Ralph Haller (who was a reasonable, if slightly devious, person
when I knew him) put out the original proposal as a straw-man.

I do wish that they would have a different call sequence for codeless
(or is the PC term "lesser abled"?) tech licenses - it would make
enforcement work a little bit easier.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From 7443241913847769220
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7b579cb5c67f472c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 22:17:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: new technician class
Message-ID: <5844@qip.UUCP>
Date: 18 Dec 90 06:17:58 GMT
References: <116@canada.sbi.com>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 13

In article <116@canada.sbi.com> jerrys@canada.sbi.com (Jerry Simonowits) writes:
]And, if we are supposed to be self policing, and I hear a technician talking
]on 10 meters, how do I know if he is legal or not ???

Look at it this way - if you hear KC7XYZ talking in the extra portion
of 20 meters - how do you know if he is legal? That call sign MIGHT be
a novice, but it might also be an extra who didn't upgrade (sigh!).
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From -4200374697156558223
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 22:29:54 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!ncar!asuvax!anasaz!
qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio

Subject: Re: Ham licenses without Morse code -- News item
Message-ID: <5845@qip.UUCP>
Date: 18 Dec 90 06:29:54 GMT
References: <1990Dec12.231058.23895@engin.umich.edu> <1250305@hpnmdla.HP.COM> <33@shasta.Stanford.EDU>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 29

In article <33@shasta.Stanford.EDU> paulf@shasta.Stanford.EDU (paulf) writes:
]In article <1250305@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
]>I disagree. People think that there is something magic in DSP (Digital
]>Signal Processing), but it really is nothing more than fancy filtering.
]
]Implementing FIR filters is only one component of DSP. Others include
]convolutional codes, correlation, etc., which improve reception. In any
]event, it's easier to build very steep filters with DSP.
]
]>The human ear/brain is also a pretty fancy adaptive filter, and it can
]>"fill in" missing text based on higher-level reasoning that would be
]>impossible for a computer.
]

Hey - folks. The Code-No-code debate is now moot. The FCC has ruled,
and is unlikely to be over-ruled. Who would think that the final
settling of the issue (In the US... I tend to forget that this is
the "skip" is in on Usenet) would result in a rekindling of the
Code vs. No-Code/Ears vs. DSP/simple receivers vs. simple xmtrs/...
issues? PLEEZE - It's a dead issue! Give it a break and take it to email!

PLEASE!!!

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From -938826178275895148
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 22:36:20 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!ncar!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Keywords: NoCode
Message-ID: <5846@qip.UUCP>
Date: 18 Dec 90 06:36:20 GMT
References: <40074@genrad.UUCP> <41520@ut-emx.uucp>

```
<1990Dec17.161526.5276@ni.umd.edu>
Organization: Anasazi, Inc.  Phoenix, Az
Lines: 24

In article <1990Dec17.161526.5276@ni.umd.edu> louie@sayshell.umd.edu (Louis A.
Mamakos) writes:
]In article <41520@ut-emx.uucp> kipper@ccwf.cc.utexas.edu (Kip Ingram) writes:
]
]>I actually heard most of the participants on BOTH SIDES of the "Herbie" thing
]>agree on something: on 2 meters, no one, and they meant NO ONE, was to talk
]>to those "d#%$ no-code Technicians."
]
]I suspect that most existing Amateurs, as well as the new no-code
]Technician amateurs would probably not want to talk to these bigots
]anyway.  Come to think of it, I wouldn't either.
]
]I suppose that they will QRM those of us that do choose to be civil
]and talk with the new amateurs?  That will be might fine and civil of
Well... if they QRM on 2 meters, they are a lot more likely to be quickly
taken care of. If you can hear them on 2, you can usually drive to their
front door. The rest is up to your imagination (and your OO, and the FCC,
or whatever). In the case of KV4FZ, he's to far away to bother most
of us anyway.
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326        Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.


From -477329450707199532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 23:07:58 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <1990Dec18.070758.7999@ux1.cso.uiuc.edu>
Date: 18 Dec 90 07:07:58 GMT
References: <9012172247.AA21395@tilde>
Organization: University of Illinois at Urbana
Lines: 20

dube@cpdvax.csc.ti.com writes:
>In defining police radar, someone stated that it is a locating device.  This is
>not correct.  Police radar cannot tell you where the target is; neither can it
>tell you which direction it is moving.  Only the operator can determine that;
>and the device can only measure speed.

In terms of defining the "radiolocation" service, I do believe it is a braoder
```

definition of "location" that is involved, and does include parameters of the location or position such as velocity, angle of movement, and acceleration. Just because the actual location is not derived (and is not needed because it is obvious where the car is) does not mean it can't fit under radiolocation.

>IMHO, it is important that none of these speed detecting devices solve the
>problem of speeders killing themselves or others a few miles down the road
>past the speed check points.

I suppose there is a prevailing believe that somehow this will eventually convince the speeding drivers to change their ways. In reality it is more likely a means (intended or otherwise) to raise money for the police (and lower the tax drain on the taxpayers who are not speeders).

From -8900980264507675238
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a67f97539894cef4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 01:44:09 PST
Path: gmdzi!unido!mcsun!sunic!abalon!hansi
From: hansi@abalon.se (Hansi Tesarz)
Newsgroups: rec.ham-radio
Subject: 3960 MHz NASA Select TV
Message-ID: <778@abalon.se>
Date: 18 Dec 90 09:44:09 GMT
Reply-To: hansi@abalon.UUCP (Hansi Tesarz)
Distribution: eunet
Organization: Abalon AB, Stockholm, Sweden
Lines: 21

Hi

Any suggestions on where to bye a 3960 MHz microwave
head for the NASA Select TV ?

Is it possible to hear, see the NASA Select TV in sweden ??

What size on parabolic dish ??

Scientists discover planet-sized icky things, which misunderstand
us and are not radioactive, and can be killed by the Army, Navy, Air
Force, Marine Corps and/or Coast Guard. The End.

Hansi Tesarz
hansi@abalon.se ..!uunet!mcsun!sunic!abalon!hansi
Abalon AB, Box 11129, 161 11 Bromma, SWEDEN.

From -7028398077022080255
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 01:56:16 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!bloom-beacon!vaxeline!bootsie!olson
From: olson@bootsie.UUCP (Eric Olson)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Keywords: NoCode
Message-ID: <45@bootsie.UUCP>
Date: 18 Dec 90 09:56:16 GMT
References: <7169@jhunix.HCF.JHU.EDU> <40074@genrad.UUCP> <41520@ut-emx.uucp> <1990Dec17.183401.23317@athena.cs.uga.edu> <4ea88b70.20b6d@apollo.HP.COM>
Reply-To: olson@bootsie.UUCP (Eric Olson)
Organization: Lexington Software Design, Lexington, MA
Lines: 29

In article <4ea88b70.20b6d@apollo.HP.COM> hays@hpuslua.nsr.HP.COM (John Hays) writes:
>In article <1990Dec17.183401.23317@athena.cs.uga.edu> mcovingt@athena.cs.uga.edu (Michael A. Covington) writes:
>>It is incumbent on all of us to welcome the new no-code Technicians into
>>the mainstream of ham radio.
>>
>>So here's my message to all the new Techs: WELCOME!
>
>I see this as an opportunity for us to recruit many new people into the
>Ham Radio Fraternity! I even got the XYL to say she would now study for
>the Technician license! I have started working on a couple of co-workers.
>

Add my name to the list of people that will be Hams shortly, thanks
to the no-code license. And my father. And my buddy in Missouri.

I'd suspect that the total population of Hams could really balloon
now that there is a no-code license.

Look for me on packet radio, as soon as I can swing it!

Cheers!

-Eric

--
Eric K. Olson, Editor, Prepare()   NOTE: olson@bootsie.uucp will not work!
Lexington Software Design   Internet: olson@endor.harvard.edu
72A Lowell St., Lexington, MA 02173   Usenet: harvard!endor!olson
(617) 863-9624   Bitnet: OLSON@HARVARD

From -1942187993237816532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9475c856771fae7b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 04:25:03 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!mips!pacbell.com!ucsd!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: Open-wire feeders.
Message-ID: <18.Dec.90.12:27:47.GMT.#2875@UK.AC.NWL.IA>
Date: 18 Dec 90 12:25:03 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10

If you want to bring this feeder into the shack, take out one of the windows and replace it with a panel made from Plexiglass, Lexan(tm) or whatever you can get hold of; then drill two little holes for the feeder. You then keep the glass to put back in the frame when you move house......
Alternatively, cut a hole through the wall, and fit a suitable diameter piece of plastic pipe; this takes small-spaced feeder quite nicely. Remember to plug the space between the feeder and the pipe, or you may find rain, snow, small animals (e.g. snails!), freezing gales etc. coming through the hole.

Pete Lucas G6WBJ   G6WBJ@GB7SDN.GBR.EU PJML@UK.AC.NWL.IA 0793-411613

From 6367102121550801110
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 04:53:31 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!usc!cs.utexas.edu!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Keywords: NoCode
Message-ID: <4471@lib.tmc.edu>
Date: 18 Dec 90 12:53:31 GMT
References: <1990Dec17.183401.23317@athena.cs.uga.edu> <4ea88b70.20b6d@apollo.HP.COM> <1990Dec18.044632.1032@athena.cs.uga.edu>
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 17
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <1990Dec18.044632.1032@athena.cs.uga.edu> mcovingt@athena.cs.uga.edu (Michael A. Covington) writes:
>I think that CBification will not happen, because people who just want
>to talk on the air will be rather put off by the theory exam.

>You have to remember that to someone with no electronics background,
>the Technician theory exam is not trivial.
>And most of all, the process of studying for the theory exam will create
>a sense of commitment the same way that learning the code does.

I wish you were right...but the canonical comment of those who operate between 27.405 and 28 MHz is, "I'd get a ham license if it weren't for that #$%@#$^ code." Those people will rush to get no-code licenses. That's what frightens me about no-code, and _nobody_ has yet shown me that that fear is unfounded.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
"...flames are a specific art form of Usenet..." -- Gregory C. Woodbury

From 8621781393992207450
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bde3d0993b3fcb8b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 04:55:32 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!usc!snorkelwacker.mit.edu!bloom-beacon!deccrl!news.crl.dec.com!shlump.nac.dec.com!esis.enet.dec.com!magid
From: magid@esis.enet.dec.com (Joel Magid...)
Newsgroups: rec.ham-radio
Subject: Re: Is the ARRL really our voice in Washington D.C.
Message-ID: <18313@shlump.nac.dec.com>
Date: 18 Dec 90 12:55:32 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 8

In article <3061@wyse.wyse.com>, stevew@wyse.wyse.com (Steve Wilson x2580 dept303) writes...

I never said they didn't try, what I said was aimed more at the end result and the FCC's (my opinion) view of the league.

The reason I belong is because they do try, and do it well, However the results are not encouraging.

From -2534582407179251369
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 05:14:53 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio

Subject: Re: No-code license
Message-ID: <205@platypus.uofs.edu>
Date: 18 Dec 90 13:14:53 GMT
References: <9012150044.AA01342@tilde> <24904@ucsd.Edu>
<4ea8a25f.20b6d@apollo.HP.COM>
Organization: University of Scranton, Scranton, PA
Lines: 16

In article <4ea8a25f.20b6d@apollo.HP.COM>, hays@apollo.HP.COM (John Hays) writes:
> I have felt that we should have automatic packet running at the low end of 10
> Meters --- kinda discouraging to CB'ers and others to hear a constant BRAP
> BRAP BRAP.

I personally think the FCC should allow automatic packet from 26.5 to 28.0 Mhz. It should give the computer hobbyist (both ham and non-ham) somewhere to run that USENET feed or FIDONET link. It should clear up the whole CB business in no time.
And no, there is no smiley after the above.

bill KB3YV
--

```
     Bill Gunshannon          |        If this statement wasn't here,
     bill@platypus.uofs.edu   |  This space would be left intentionally blank
```

From -99431627221431659
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,44433c1b3e3f76d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 05:29:04 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!swrinde!ucsd!ucbvax!
NADC.NADC.NAVY.MIL!skitch
From: skitch@NADC.NADC.NAVY.MIL (M. Squicciarini)
Newsgroups: rec.ham-radio
Subject: Not a new problem - A new Challenge
Message-ID: <9012181329.AA02916@NADC.NADC.NAVY.MIL>
Date: 18 Dec 90 13:29:04 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 21

I have the feeling from reading the last several posting about this new "problem" that alot of people are missing a golden opportunity. Hopefully, the no code Tech class will bring new people into the hobby (I say hopefully, because Canada has had limited success) and it's important that we teach them how to be good hams. I teach a Tech/Gen class and have for the past three years. My students are very young (10 - 14), retired or close to my own age (32) which repersents a good cross section of the population. The point that I would like to make is that they've all become good hams (I don't what to sound like I'm taking all the credit because there are alot of other people that have helped them) because someone took the time to teach them how to become a good ham. Instead of predicting the downfall of ham radio why not help someone become a good ham.

Now to get off the soapbox. Is there anyone else out there that teaches a class? I would like to exchange ideals with you. I can be reached here or at skitch@nadc.navy.mil.

If you're in the Philadelphia area classes begin Jan 8.

73 -- Marty -- NR3Z

From -3207511413435131364
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ff380314f0ffe0e6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 104d8a,ff380314f0ffe0e6,start
X-Google-Attributes: gid104d8a,public
X-Google-ArrivalTime: 1990-12-18 05:33:45 PST
Xref: utzoo comp.periphs.printers:656 rec.ham-radio:28386
Path: utzoo!utgpu!news-server.csri.toronto.edu!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!usc!ucsd!ames!amdahl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (=Ron Todd)
Newsgroups: comp.periphs.printers,rec.ham-radio
Subject: Printer Info needed
Keywords: Panasonic KX-P1124
Message-ID: <121@thoreau.nsc.com>
Date: 18 Dec 90 13:33:45 GMT
Distribution: na
Organization: National Semiconductor, S. Portland, Maine
Lines: 13

Well, Santa came a bit early and brought a shiney, new
Panasonic KX-P1124 (24-pin LQ dot matrix) printer for my
new DOSbox. The question I have is this:
What is involved in and what does the 32K memory
upgrade consist of? Is it just rams and a jumper
or is more involved? I haven't opened the case
yet (I have to wait for when the wife is out
of the house for a while before doing that) to
see what is/isn't there.
Can any of you provide any information on this item?
Thanks in advance,

Ron Todd, K3FR

From -8624490645849601983
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab4a5a9336224655
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 05:47:25 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!

psuvax1!hsdndev!husc6!genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: Re: New Code-free Technician class license
Message-ID: <40089@genrad.UUCP>
Date: 18 Dec 90 13:47:25 GMT
References: <9012171351.AA00050@rtp40.dg.com>
Sender: news@genrad.UUCP
Reply-To: dls@freedom.genrad.COM (Diana L. Syriac)
Organization: GenRad, Inc., Concord, Mass.
Lines: 30

In article <9012171351.AA00050@rtp40.dg.com> Pete_Simpson@dgc.ceo writes:
>I suspect that the FCC's recent creation of a code-free entry class
>license will be the cause of much debate in this newsgroup over the
>next few months (years?). In any case, the deed has been done and
>it's up to us experienced hams to welcome the new licensees
>into our hobby graciously. I was glad to see that the FCC granted all
>Tech privileges above 30 Mhz to the new class, thus allowing them to
>make use of the popular 2-meter band (in spite of the ARRL request
>that they only be allowed to use 220 and above). This
>seems to indicate that the FCC wants us to absorb the new licensees
>into the mainstream of VHF and UHF ham radio and to avoid treating
>them as "second rate" hams. Whether or not we agree with what the
>FCC has done, we should not "take it out" on these newcomers to our
>hobby.

I wholeheartedly agree with this philosophy and hope that all the other hams and OFs out there will do all that's necessary to WELCOME these new hams and show them the ropes. This is the only way they will become familiar with CORRECT procedures so that they don't try to invent their own. Come on, all you people who wanted no-code. Now's your chance!
We're here to help you!

Diana L. Syriac, KC1SP

```
->Diana L. Syriac      dls@genrad.com         Ham: KC1SP (Sweet Pea)      <-
->I'D RATHER BE FLYING! P-ASEL, INST      CAP: 1LT, Freedom 690 Mobile<-
->GenRad                    AD ASTRA, PER ASPERA        <-
->MS/6, 300 Baker Ave, Concord, Mass.  01742   (508) 369-4400 x2459        <-
```

From 5498265895917665869
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e6c685dea069511
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 06:06:45 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!hubcap!bjb
From: bjb@hubcap.clemson.edu (BJ Backitis)
Newsgroups: rec.ham-radio
Subject: To Rusty Carruth (was Re: Callsign project update)

Message-ID: <12329@hubcap.clemson.edu>
Date: 18 Dec 90 14:06:45 GMT
References: <5836@qip.UUCP>
Organization: Clemson University, Clemson, SC
Lines: 15

From article <5836@qip.UUCP>, by rusty@qip.UUCP (Rusty Carruth):
>
> The Ham Callsign Project, part 3 (the 1990 version) - its HERE! Email for info

Sorry to bother everybody on this one, but I've tried for two weeks to
get e-mail thru with no luck whatsoever.

Rusty:

Please send me more info about this, including the media formats and
costs, and most importantly a good return path!!!
---- ------ ----

73 de BJ, KM4RB

From 7240659230615059071
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae048f33ca952844
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 06:09:23 PST
Path: gmdzi!unido!mcsun!uunet!samsung!interlan.InterLan.COM!interlan.interlan.com!yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <YETSKO.90Dec18090923@interlan.interlan.com>
Date: 18 Dec 90 14:09:23 GMT
References: <742.276762D0@w8grt.fidonet.org> <19152@unix.SRI.COM>
<1990Dec16.004633.6662@NCoast.ORG> <3063@wyse.wyse.com>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 17
In-reply-to: stevew@wyse.wyse.com's message of 18 Dec 90 00:00:31 GMT

Why do people keep assuming there will be a sudden influx of lids? They're
already here! Just they don't get that much notice due to the relative
empty bandspace. All the influx will do is make us become more polite
and tollerent.

When I hear the higher class licenses on 20M, where's your arguement?
When I have a local extra who thinks it's funny to transmit on top of
me (I call it jamming, he thinks it's "funny"), where is your arguement?
When a local VE thinks pulling the PLL LOCK detect circuit out of his 2M
radio does no harm, and is only to keep him in band, where is your
arguement?

Give the new guys a chance, they are an unknown. The existing jerks are
already well established, but you ignore them.

Mike Yetsko
N1DVJ

```
From 6818912948282997610
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 06:31:13 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!bloom-beacon!deccrl!
news.crl.dec.com!shlump.nac.dec.com!esis.enet.dec.com!magid
From: magid@esis.enet.dec.com (Joel Magid...)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Message-ID: <18314@shlump.nac.dec.com>
Date: 18 Dec 90 14:31:13 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 17
```

In article <4471@lib.tmc.edu>, jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
writes...
>
>I wish you were right...but the canonical comment of those who operate between
>27.405 and 28 MHz is, "I'd get a ham license if it weren't for that #$%@#$^
>code." Those people will rush to get no-code licenses. That's what frightens
>me about no-code, and _nobody_ has yet shown me that that fear is unfounded.
>

I think we will see people conform to the norms of the hobby
the good the bad and the indifferent. The norms more than the
exams will put the pressure on to conform. Also remember that
once someone earns something they have a tendancy to value it.

Remember a license still must be obtained by taking a written
exam. The exam still must be studied for ..... there is some
pride in passing and as such .... I'll bet the fear of the
CB'er passes without many issues.

```
From 2523720423136002342
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,5dd2f14b9ce66a7c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-18 06:44:26 PST
Path: gmdzi!unido!mcsun!ukc!strath-cs!cs.glasgow.ac.uk!bru-cc!ccopjss
From: ccopjss@cc.brunel.ac.uk (John Smith)
```

Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: morse code
Message-ID: <1916@Terra.cc.brunel.ac.uk>
Date: 18 Dec 90 14:44:26 GMT
References: <1990Dec12.231058.23895@engin.umich.edu>
<1990Dec14.012315.7858@zoo.toronto.edu> <1990Dec14.152659.8250@val.com>
Reply-To: ccopjss@cc.brunel.ac.uk (John Smith)
Organization: Brunel University, Uxbridge, UK
Lines: 37
Xref: gmdzi sci.electronics:10281 rec.ham-radio:18118

>>In article <1990Dec12.231058.23895@engin.umich.edu> ssave@caen.engin.umich.edu
(Shailendra Anant Save) writes:
>>> Say, why do people use morse nowadays anyway?
>
>>For conformance with antiquated regulations, because they're old-fashioned,

The other remarks made by the various posters are all relevant and
(sometimes) humorous.

There is a point no-one seems to mention, the concept of "filtering
out the noisy".

Unfortunately it is not one hundred percent successful but it does
make a lot of difference.

Anyone who has listened to the quality of the conversations on both
amature radio bands and the so called "citizen" radio bands have
noticed the difference in the mentalities involved.

As long as the difficulties of learning Morse code in order to
get a licence, continues to keep to a minimum the number of the
ignorant and foul mouthed types allowed to use certain frequencies
I have no doubt it will be used.

The days when in order to use radio communication one had to build
ones own transmitter (and hence be intelligent) have (some might say
unfortunately) passed, and the result of allowing the only barrier
to this form of communication to be money or theft can be heard
on any CB channel. (shudder)

So let us hope that "the powers that be" keep obstacles such as
the technical exam and the morse code test, for the benefit of those
who can use radio sensibly.

I do not have an amature radio licence, but I know people who do
and on the whole they are better than the CB types who dont.

John.

From -5504746028587842452
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,b39b51f887746cb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 07:11:24 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!rpi!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: 11 meter id with ham call?
Message-ID: <14975@crdgw1.crd.ge.com>
Date: 18 Dec 90 15:11:24 GMT
References: <1990Dec5.212046.11491@midway.uchicago.edu> <7500058@hpfcso.HP.COM> <3070@naucse.cse.nau.edu> <672@ssc.UUCP> <19267@unix.SRI.COM>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 9
In-reply-to: larson@snmp.sri.com (Alan Larson)

In article <19267@unix.SRI.COM>, larson@snmp (Alan Larson) writes:
>
>p.s. Ever have the urge to ID at the end of a phone call? :-)

No, but I have seen someone answer a phone and just say "QRZed?"

-don perley - ke2tp

perley@trub.crd.ge.com

From 2943261166194151519
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 07:14:18 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9012181514.AA21309@tilde>
Date: 18 Dec 90 15:14:18 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 42

brian@ucsd.Edu (Brian Kantor) notes:

(Re: No-code license)

>In article <9012150044.AA01342@tilde> dube@cpdvax.csc.ti.com writes:
>>Now that it's here, we must learn to live with it. I understand that there
>>will be 2 classes of Technicians: one who has passed 5WPM and has all current
>>Tech privileges; and one who has not demonstrated the Morse code ability, and

>>is restricted to 30 Mhz and above. I also understand that there will be no
>>call-sign differentiation. So how will we bge able to tell if a Tech who
>>is operating below 30 MHz is authorized to do so?
>
>The trick is to realize that it doesn't matter. Clearly the FCC
>doesn't care very much, or they would have come up with a way to tell.
>If they don't care, why should you?
>   - Brian

The FCC has never been big on policing the Ham bands, preferring instead, to
leave it to Hams to police themselves. This is IMHO in accord with the sacred
views that government exercise as little control as is absolutely necessary
over the activities of the people.

So, now comes Brian, who says that it doesn't matter which set of privileges
have been earned by the operator. What's your call sign and class of license,
Brian? Do you feel that there should be no class distinction? If so, why not
just say it. Form a protest to change the current system to a classless
system. At least, there'd be no need for self-policing the horrendous mess
that now exists.

>PS: When is dube gonna go pound on whoever maintains his site's news
>software so that it put the Subject: line into the header instead of the
>body of the message? I mean, if he can't follow Usenet rules, why worry
>about the FCC? Which, after all, is more important? :-)

Gee, I'm sorry that I caused all that pain and grief with just one question.
If you'll send me a copy of the USENET rules, I'll try my best to abide by
them.

73,
Dube   N5PDK

"Why waste time learning, when ignorance is instantaneous?" -Hobbes

From 8658222809074702183
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6250390c3acd97b8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 07:59:26 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: How do I mount this feedline?
Message-ID: <773.276E7E4E@w8grt.fidonet.org>
Date: 18 Dec 90 15:59:26 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 22

 > From: alanb@hpnmdla.HP.COM (Alan Bloom)
 > Date: 14 Dec 90 21:07:58 GMT

> Organization: HP Network Measurements Div, Santa Rosa, CA
> Message-ID: <1250306@hpnmdla.HP.COM>
> Newsgroups: rec.ham-radio
>
> I was assuming a wooden casement-type window. Actually my open-wire
> feed
> is run through the wall be means of a two pairs of ceramic insulators.
> This would not be an option, however, for people who don't own their own
> home.

I lived in an apartment building once many years ago and solved that problem by carefully removing a pane of glass from one window and replacing it with plexiglass. I drilled that to suit myself for feedline bushings, etc. When we moved out, we put the original pane of glass back.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -6041336701767504072
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 08:09:51 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <774.276E7E54@w8grt.fidonet.org>
Date: 18 Dec 90 16:09:51 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 19

> From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
> Date: 15 Dec 90 15:12:42 GMT
> Organization: University of Texas Medical School at Houston
> Message-ID: <4456@lib.tmc.edu>
> Newsgroups: rec.ham-radio
>
> Tell you what. Come up with a name that describes the intended traffic
> as well
> as .legal, and is more inclusive than .rules, .regs, or .regulations,
> and I'll
> adopt it. Fair enough?

rec.ham-radio.policy.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs

INTERNET: jim.grubs@w8grt.fidonet.org

From -6106354654694933086
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 08:16:37 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Ham licenses without Morse code -- News item
Message-ID: <775.276E7E5A@w8grt.fidonet.org>
Date: 18 Dec 90 16:16:37 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 19

> From: karn@envy..bellcore.com (Phil R. Karn)
> Date: 15 Dec 90 20:46:18 GMT
> Organization: Bell Communications Research, Inc
> Message-ID: <1990Dec15.204618.16146@bellcore.bellcore.com>
> Newsgroups: rec.ham-radio
>
> DSP filters can operate over a much wider range of bandwidths than the
> human ear/brain can.

They don't get tired, either. In time of disaster, which is better, a technolgy based on humans who can only put in a few hours of intense activity before becoming too tired to be reliable, or a technology that patiently grinds away by the hour?

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 3202440366499406766
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c1b5c461124ba58
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,fb207fcc3a2d931b,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-12-18 08:17:22 PST
Path: gmdzi!unido!mcsun!uunet!know!tegra!vail
From: vail@tegra.COM (Johnathan Vail)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: New Sony Logging/Monitoring tape recorder?
Message-ID: <1861@atlas.tegra.COM>
Date: 18 Dec 90 16:17:22 GMT
References: <1990Dec17.072432.45074@cc.usu.edu>
Organization: Tegra-Varityper, Inc., Billerica, MA

Lines: 29
Xref: gmdzi rec.ham-radio:18090 rec.radio.shortwave:3167
In-reply-to: slp9m@cc.usu.edu's message of 17 Dec 90 13:24:31 GMT

I saw an ad for a tape recorder from sony that would record and later display the time and date of the recording. It was listed for about $100 and appeared to be about the size of a walkman, with a LCD display.

- Has anyone seen one?

- Does it use a seperate track for this info?

- Are the tapes compatible with normal players?

- Is it any good?

I am thinking of getting a new logging recorder and this souded interesting. I was also considering the "double-speed" recorder that compresses the info while keeping it understandable. This new Sony though, with the voice synthesizer on the R7000 would provide a lot of information.

I will summarize any email responses. Thanks, jv

```
"Fickt nicht mit der Raketemensch!"
 -----
|     | Johnathan Vail | n1dxg@tegra.com
|Tegra| (508) 663-7435 | N1DXG@448.625-(WorldNet)
 -----  jv@n1dxg.ampr.org {...sun!sunne ..uunet}!tegra!vail
```

From -5446408411663418 30
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b6162eaef6307be,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-16 21:51:26 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Re: QSL Path to HC8A
Message-ID: <27080043@col.hp.com>
Date: 17 Dec 90 05:51:26 GMT
References: <517@norvax.UUCP>
Organization: HP Colorado Springs Division
Lines: 27

>/ col:rec.ham-radio / beams@norvax.UUCP (David Beams) / 1:06 pm Dec 14, 1990 /
>HC8A was active during the CQ WW Phone DX Test and replied to all requests for

>QSL-path information with, "Bureau. QRZed Contest?" I also found an excerpt
>from the W6GO/K6HHD QSL Managers List printed in the 1990 International Call-
>book (an enticement to potential subscribers, I imagine) which lists KQ1F as
>the manager for HC8A. Can anyone in the net community shed some light on this
>discrepancy? I would very much like to get this fellow's card, since I have
>only heard HC8 twice in fifteen-some years of on-again, off-again activity;
>I have worked HC8 only this once.
>----------

In my log, I have HC8A's QSL instructions as QSL direct to

P.O. Box DX
Cuenca, Ecuador

I either got this info during the contest or a few days before
when HC8A was on the air. Either way, I think it came from HC8A.
I did QSL direct, but haven't seen the card yet.

```
--------------------------------------------------------------------
Bob Witte              HP Colorado Springs Division
bobw@col.hp.com        P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO  80901
Radio: KB0CY
"Ban all activities that I don't participate in...
 they are obviously non-essential."
--------------------------------------------------------------------
```

From -5134535991749581503
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-16 23:07:59 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!bloom-beacon!vaxeline!
bootsie!olson
From: olson@bootsie.UUCP (Eric Olson)
Newsgroups: rec.ham-radio
Subject: Re: MACMORSE & HyperCard Stacks
Keywords: Code_Practice FCC_Exams HyperCard
Message-ID: <43@bootsie.UUCP>
Date: 17 Dec 90 07:07:59 GMT
References: <8582@tekgvs.LABS.TEK.COM> <7169@jhunix.HCF.JHU.EDU>
Reply-To: olson@bootsie.UUCP (Eric Olson)
Organization: Lexington Software Design, Lexington, MA
Lines: 29

In article <7169@jhunix.HCF.JHU.EDU> mjm@jhunix.HCF.JHU.EDU (Michael J Mallette)
writes:
>In article <8582@tekgvs.LABS.TEK.COM> georgep@sail.LABS.TEK.COM (George Pubanz)
writes:
>->
>->   I am trying to obtain copies of software for the Macintosh
>-> to help my wife get her amateur ticket. I have seen references in
>-> the past to MacMorse and I am very interested in this program. Are

>
>Could you post what you find out? I'm also interested.
>

There are two Morse code practice programs available via anonymous FTP from sumex.stanford.edu in the files /info-mac/apps/morse-code-*.hqx. They both send practice code for you to copy, similar to the code test (i.e., not real words). They both work on my Mac II (and probably on all Macs).

The Hypercard stacks are available via anonymous FTP from apple.com in the files /pub/ham-radio/*hamtestv*.sit.hqx. The stacks are really good, and will be my method of pre-testing myself on the written (when I get around to it). That directory also includes some Packet Radio applications for the Mac.

Cheers!

-Eric

--
Eric K. Olson, Editor, Prepare()   NOTE: olson@bootsie.uucp will not work!
Lexington Software Design   Internet: olson@endor.harvard.edu
72A Lowell St., Lexington, MA 02173   Usenet: harvard!endor!olson
(617) 863-9624   Bitnet: OLSON@HARVARD

From 1341899258279030061
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,35d3e60cb0b10693
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 00:23:59 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!att!pacbell.com!tandem!netcom!mojo
From: mojo@netcom.UUCP (Morris Jones)
Newsgroups: rec.ham-radio
Subject: Re: 10 meter rig recommendation?
Message-ID: <18970@netcom.UUCP>
Date: 17 Dec 90 08:23:59 GMT
References: <1990Dec5.212046.11491@midway.uchicago.edu> <7500065@hpfcso.HP.COM> <41482@ut-emx.uucp>
Organization: Netcom- The Bay Area's Public Access Unix System {408 241-9760 guest}
Lines: 13

kipper@ccwf.cc.utexas.edu (Kip Ingram) writes:
>I don't quite understand why a ham rig modified to run CB should be illegal.

A radio used in CB service must be type accepted. Your ham radio (a) has not been type accepted, and (b) could not be type accepted for CB because it can transmit on other frequencies.

Mojo AA4KB
--
mojo@netcom.UUCP   Site Coordinating Instructor, San Jose South

```
Morris "Mojo" Jones       Skilled Motorcycling And Rider Training (S.M.A.R.T.)
Campbell, CA              800-675-5559 ... 800-CC-RIDER ...  408-423-2212
AA4KB @ N6LDL.#NOCAL.CA.USA.NA / aa4kb.ampr.org / netcom!mojo@apple.com


From 5198973888991478275
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31a8360191158b8e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 00:24:43 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!
elroy.jpl.nasa.gov!usc!ucsd!network.ucsd.edu!brent
From: brent@network.ucsd.edu (Brent Jones)
Newsgroups: rec.ham-radio
Subject: Speed traps and Feedline (was: Radar Detector legality etc.)
Message-ID: <4218@network.ucsd.edu>
Date: 17 Dec 90 08:24:43 GMT
References: <9012110416.AA23478@uunet.uu.net>
<YETSKO.90Dec11101834@interlan.interlan.com> <3069@naucse.cse.nau.edu>
Organization: Ich geh' kaput.  Kommst du mit?
Lines: 15

In article <3069@naucse.cse.nau.edu> rrw@naucse.cse.nau.edu (Robert Wier) writes:
> Regarding Photo Radar -
> There was a camera mounted on a pole, and if you crossed two sensor
> wires in the pavement too fast, it took a picture...
> Also, EVERY single weekend, someone would go out with a spray can > of
> black paint and opaque out the lens.  (not that I would suggest > such
> a thing)...

I would recommend taking a BB gun or pea shooter to the lens putting two
holes appropriately spaced, then stringing your ladder line through
there.  This will solve the problem of how to mount the feedline, and
will make a lot of motorists happy.  Be sure to put silicone around the
holes so as to keep the film from getting wet.

Brent


From 4625003925742710202
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e39691bca51cad4d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 04:02:42 PST
Path: gmdzi!unido!mcsun!ukc!axion!uzi-9mm.fulcrum.bt.co.uk!beta.its.bt.co.uk!jvt
From: jvt@its.bt.co.uk (John Trickey)
Newsgroups: rec.ham-radio
Subject: Re: Question for TM-731 users
Message-ID: <|^J^{3$@uzi-9mm.fulcrum.bt.co.uk>
Date: 17 Dec 90 12:02:42 GMT
References: <34651@netnews.upenn.edu>
Sender: news@fulcrum.bt.co.uk (News with an UZI)
Organization: BT Applied Systems, Birmingham, UK
```

Lines: 46

In article <34651@netnews.upenn.edu> depolo@eniac.seas.upenn.edu (Jeff DePolo)
writes:
>
>I'm asking Santa for a TM-731 for Christmas, and was wondering a few
>things:
>
>1) When using dual-band receive (not repeater mode), can you have it
>set up for one PL DECODE tone in UHF and a different one in VHF?
>I would think you would need 2 decoders to do this - is this how the
>731 is designed, that is, it requires one decoder for each band?

Yes you can set up different CTCSS frequencies for each memory or
VFO but only *one* can be active at any time and only one band can
have CTCSS decode active.

>2) In cross-band repeater mode using the radio as a simplex range
>extender, is it possible to require, say, the 440 side to use PL
>decode while leaving the 2m side open?

Yes - this is the only way to work it.

>3) Our 440 repeater transmits a PL tone back only when there is audio being
>received through its input (i.e. it doesn't transmit a PL tone while
>IDing, while giving the hourly time report, etc.). Since this is the
>case, if I'm using a 2m HT crossbanded through the 731A, can I turn the
>PL decode for the 440 side on so that I don't have to wait for the
>repeater's carrier to drop before transmitting on my HT? In other words,
>will it switch bands only after the carrier has dropped, or will it
>switch whenever the squelch is closed, in this case being once the
>repeater has quit transmitting PL?

SRI -don't know this one but I guess it would be OK as carrier without
tone does not cause x-band tx.

>4) Finally, with the PL decoder on (or off), will it pass the PL tone to
>the transmitting band with the PL encoder turned off (i.e. will it
>pass PL tones in repeater mode, or do they have to be regenerated)? This
>question is purely academic and probably has little relevence to anything.

No but you can select a tone to TX

73, John

--
John Trickey <jvt@its.bt.co.uk> || ..!mcsun!ukc!axion!its
G4REV @ GB7SUT   Voice: +44 21 333 3369
#include <std/disclaimer>

From 8446180261079671281
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 04:42:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!uunet!
tut.cis.ohio-state.edu!hsdndev!husc6!genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: Re: MACMORSE & HyperCard Stacks
Keywords: Code_Practice FCC_Exams HyperCard
Message-ID: <40074@genrad.UUCP>
Date: 17 Dec 90 12:42:31 GMT
References: <8582@tekgvs.LABS.TEK.COM> <7169@jhunix.HCF.JHU.EDU>
Sender: news@genrad.UUCP
Reply-To: dls@freedom.genrad.COM (Diana L. Syriac)
Organization: GenRad, Inc., Concord, Mass.
Lines: 26

In article <7169@jhunix.HCF.JHU.EDU> mjm@jhunix.HCF.JHU.EDU (Michael J Mallette)
writes:
>In article <8582@tekgvs.LABS.TEK.COM> georgep@sail.LABS.TEK.COM (George Pubanz)
writes:
>->  there other code practice applications available for the Mac?  I
>->  have also read about the HyperCard stacks which allow practice of
                                 ^^^^^^^^^^^^^^^
>->  the various theory elements.  These too would be helpful.
>
>Could you post what you find out? I'm also interested.


The HyperCard Ham stacks are available from me, the author, to anyone
who wants to send me a 800K diskette and SASE.  There are also a number
of BBS's and FTP places which you might obtain them from.  Don't ask
me, I have no access to these, and I can't send them to you via email
either.  But if you can't find them anywhere else, USnail still works.

Diana L. Syriac, KC1SP
49A Meadow Pond Drive
Leominster, MA 01453




->Diana L. Syriac      dls@genrad.com          Ham: KC1SP (Sweet Pea)      <-
->I'D RATHER BE FLYING! P-ASEL, INST      CAP: 1LT, Freedom 690 Mobile<-
->GenRad                    AD ASTRA, PER ASPERA       <-
->MS/6, 300 Baker Ave, Concord, Mass.  01742   (508) 369-4400 x2459        <-


From 4724563764055891373
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c1b5c461124ba58,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 05:24:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!samsung!cs.utexas.edu!
```

hellgate.utah.edu!fcom.cc.utah.edu!cc.utah.edu!cc.usu.edu!slp9m
From: slp9m@cc.usu.edu
Newsgroups: rec.ham-radio
Subject: Anyone know anything about this Sony portable (WM 8000 MK II)?
Message-ID: <1990Dec17.072432.45074@cc.usu.edu>
Date: 17 Dec 90 13:24:31 GMT
Organization: Utah State University
Lines: 25

Does anyone know anything about this portable?

A few months ago, I saw a Sony multiband radio / tape recorder in a store window in Asuncion, Paraguay. It was a very compact unit and it gave me the impression that it would be an ideal travelers companion IF it performs as good as it looks. My family and I were in transit through Asuncion and hurrying to get a few things done downtown before heading out to the airport, so I didn't take the time to give the radio more than a passing glance. I didn't even go inside the shop that had it on display or scribble down the model number, which was WM 8000 MK II, to the best of my recollection.

Since then, I have kept my eyes open but have not seen the radio in any stores I have visited nor in any catalogs that I have in my collection. Does anyone know anything about this item? Does it perform? (Any reviews out there? Specs?) Is it a new model? A discontinued model? (Could be either for all I know.) Who distributes it? Is/was it marketed in the U.S.? What is/was the list/going price? Features?

```
############################################################################
#        Scott E. Parker    WA7VYJ        #                                #
# Center for Atmospheric & Space Sciences # INTERNET: SLP9M@cc.usu.edu     #
#          Utah State University          # Twisted pair: (801) 750-2975   #
#         Logan, UT    84322-4405         #         Home: (801) 753-3924   #
############################################################################
```

From -2127480221236127674
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab4a5a9336224655,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 05:51:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!dgc.ceo!Pete_Simpson
From: Pete_Simpson@dgc.ceo
Newsgroups: rec.ham-radio
Subject: New Code-free Technician class license
Message-ID: <9012171351.AA00050@rtp40.dg.com>
Date: 17 Dec 90 13:51:34 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19

I suspect that the FCC's recent creation of a code-free entry class license will be the cause of much debate in this newsgroup over the next few months (years?). In any case, the deed has been done and it's up to us experienced hams to welcome the new licensees into our hobby graciously. I was glad to see that the FCC granted all Tech privileges above 30 Mhz to the new class, thus allowing them to make use of the popular 2-meter band (in spite of the ARRL request that they only be allowed to use 220 and above). This seems to indicate that the FCC wants us to absorb the new licensees into the mainstream of VHF and UHF ham radio and to avoid treating them as "second rate" hams. Whether or not we agree with what the FCC has done, we should not "take it out" on these newcomers to our hobby.

=================================

Peter Simpson, KA1AXY
Data General Corp M/S E132
Westboro, MA 01580
(508) 870-9837
Pete_Simpson@MERCURY.MCEO.DG.COM

From -4515569337292557543
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3d8156f594fd5672,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 05:54:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!UNCG.BITNET!MOSIER
From: MOSIER@UNCG.BITNET (Steve Mosier)
Newsgroups: rec.ham-radio
Subject: Curtis "B" Timing (was CMOS Super Keyer II)
Message-ID: <EAFACB58567FE0466B@uncg.bitnet>
Date: 17 Dec 90 13:54:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 23

WA2SRQ asked about "B" keyer timing, and what a character of the opposite kind was. I was sure someone else would answer, but nobody did, so here goes. "B" timing is just iambic mode. And a "character of the opposite kind" is a dit if you are sending a dah, and a dah if you are sending a dit.

Webster defines an "iamb" - from whence comes "iambic" - as a short syllable followed by one long syllable, or one unstressed syllable followed by one stressed syllable.

You have probably noticed that if you depress (squeeze) both paddles of an iambic keyer, it sends alternate dahs and dits. What you may not have noticed is that when you release the paddles, the keyer completes the character it was on when you released it, and THEN sends the opposite character. Thus, if you depress the dah paddle, immediately thereafter tap the dit paddle, and then immediately let go, you get a K (dah-dit-dah): the first dah because that is what you pressed first; the next dit because you had both paddles pressed (squeezed) - if only for an instant; and the final dah because you released the paddles while the dit was being formed, causing the completion of the dit and then "the opposite character" (the final dah). When sending things like the C or the period, you have to anticipate this by releasing one character early.

de W3GRG - steve

From -2471927251955686131
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 06:01:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!ut-emx!ccwf.cc.utexas.edu
From: kipper@ccwf.cc.utexas.edu (Kip Ingram)
Newsgroups: rec.ham-radio
Subject: A New Problem
Keywords: NoCode
Message-ID: <41520@ut-emx.uucp>
Date: 17 Dec 90 14:01:16 GMT
References: <8582@tekgvs.LABS.TEK.COM> <7169@jhunix.HCF.JHU.EDU> <40074@genrad.UUCP>
Sender: news@ut-emx.uucp
Reply-To: kipper@ccwf.cc.utexas.edu (Kip Ingram)
Organization: The University of Texas at Austin
Lines: 14

Uh oh. Here comes another big bad issue for everyone to kick around. I actually heard most of the participants on BOTH SIDES of the "Herbie" thing agree on something: on 2 meters, no one, and they meant NO ONE, was to talk to those "d#%$ no-code Technicians." I sense a huge war brewing here in which everyone will lose. Will repeater owners bar no-code Techs from using their repeaters? Will things degenerate into a "let's see who can QRM who to death" situation? Instead of the comradery that should be part of ham radio, I see lots of problems coming.

I hope my Tech license arrives before the new rules kick in; I'd just as soon have my Group C call from the start so that all of the old guys know that I'm a "real" Technician.

Kip

From -4350526140378964550
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,35d3e60cb0b10693
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 06:39:06 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ogicse!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio

Subject: Re: 10 meter rig recommendation?
Message-ID: <1677@ke4zv.UUCP>
Date: 17 Dec 90 14:39:06 GMT
References: <1990Dec5.212046.11491@midway.uchicago.edu> <7500065@hpfcso.HP.COM>
<41482@ut-emx.uucp>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 30

In article <41482@ut-emx.uucp> kipper@ccwf.cc.utexas.edu (Kip Ingram) writes:
>I don't quite understand why a ham rig modified to run CB should be illegal.
>Shouldn't the only requirement be that the emissions from the radio meet
>all of the legal requirements for CB emissions? Forgive my ignorance, but
>that seems sensible to me as an engineer. Any other requirements would
>seem to be artificial. Like Mr. Spock said, "A difference which MAKES no
>difference IS no difference." If a ham rig puts out perfect CB emissions,
>then while it is doing so it IS a CB rig. What's the deal?

From an enforcement point of view, it's easier to police a few manufacturers
than millions of users. The FCC took the easy way out and required type
acceptance for the radios.

>Also, is it legal to modify a CB to operate on 10 meter ham? As a new
>tech (of the coded variety), that seems to me to be the quickest and
>dirtiest cheap way onto 10 meter SSB. If I have an SSB CB that runs off
>of a phase lock loop, shouldn't I just have to change the frequency
>synthesizer reference crystal to move the whole channel set up into 10m
>ham?

Yes indeed it is perfectly legal and practical to convert a CB set to
10 meters. Thousands have been converted. Generally, the synthesizer
crystal is not the one you want to change in a SSB CB. Usually there
is a fixed mixer oscillator that needs to be bumped up a couple Mhz.
Get a SAMS for your set and find out.

Gary KE4ZV
>
>Thanks,
>Kip

From 1960274182926136400
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,54131078de5c12d9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 07:04:21 PST
Path: gmdzi!unido!mcsun!uunet!know!news.cs.indiana.edu!rutgers!rochester!
uhura.cc.rochester.edu!uhura!saaf
From: saaf@joker.optics.rochester.edu (Lennart Saaf)
Newsgroups: rec.ham-radio
Subject: Re: W.W.II
Message-ID: <SAAF.90Dec17100421@joker.optics.rochester.edu>
Date: 17 Dec 90 15:04:21 GMT

References: <18215@shlump.nac.dec.com>
Sender: news@uhura.cc.rochester.edu
Organization: The Institute of Optics, University of Rochester
Lines: 31
In-reply-to: pierson@ggone.enet.dec.com's message of 14 Dec 90 23:37:48 GMT

In article <18215@shlump.nac.dec.com> pierson@ggone.enet.dec.com (Dave Pierson) writes:

> Additional footnote. From (i forget) but probably a WWII vintage Radio Amateurs Handbook (they kept printing em...), there were articles on LF License Free ops and "wired wireless" (power line propagated LF.) I have no idea if these were actually used. I seem to recall that in certain areas (near military bases, ferinstance) even these were forbidden.

As it happens, I was over in the library last week and came across a 1944 handbook--it looked like it had never been cracked. There was a chapter about "Common Carrier Communications," i.e., coupling a signal (usually CW) into the power lines. The frequencies of choice were between 150 and 200kHz and "propagation" varied from 5 miles in the city to more than 10 in the country. The power limit was expressed as the amount of signal detectable from a certain distance from the power line. The construction example in the handbook was a 25W job. So it appears that they were definitely used--leave it to us hams!

The advertising section in the back had a lot of war-effort rah-rah, ususally depicting a pennant with an "E", referred to as the Army/Navy E. I assume that was a citation for contributing to the war effeort, right?

Len
NV2Z

```
--
-----------------------------------------------------------------------------
| Len Saaf, The Institute of Optics, Univ. of Rochester, Rochester, NY |
| Internet: saaf@joker.optics.rochester.edu        Bitnet: SAAF@UOROPT |
-----------------------------------------------------------------------------
```

From 4217174776280900351
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9ad3d3c190b4a604
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,9e4236c8a7a0265,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-12-17 07:53:54 PST
Path: gmdzi!unido!mcsun!uunet!know!tegra!vail
From: vail@tegra.COM (Johnathan Vail)
Newsgroups: rec.ham-radio,rec.ham-radio.swap
Subject: Re: Icom 751 control
Message-ID: <1855@atlas.tegra.COM>
Date: 17 Dec 90 15:53:54 GMT

References: <9622@b11.ingr.com>
Organization: Tegra-Varityper, Inc., Billerica, MA
Lines: 41
Xref: gmdzi rec.ham-radio:18015 rec.ham-radio.swap:868
In-reply-to: herbster@b11.ingr.com's message of 11 Dec 90 17:52:02 GMT

In article <9622@b11.ingr.com> herbster@b11.ingr.com (Joe Herbster) writes:

> Hello, I am looking for information on controlling the ICOM-751A transceiver via the interface plug on the rear of the unit. Icom sells the EX-309 interface, but I am unaware of any software for it. I hate to pay that much $$ for the interface if it is nothing but a level converter. If anyoune has any info on the Ex-309 or software control of the 751A, please E-mail or post. If there is any interest, I will sumarize to the net.

It is nothing but a level converter. Make your own for a lot cheaper. Also, the software is not very difficult. There has been stuff posted and other software is available. I have distributed a simple hack I wrote for the PC that loads memories from a file.

FOR SALE:

If anyone would like a cheap CIV interface complete with LEDs to blink and look cool I have about a dozen RS-232 "repeaters". These are a tiny black box with LEDs and two connectors (One DTE and one DCE) and a small wall-tumor power supply.

I will sell these and the wiring diagram (2 cuts and one add plus the mini-phone to the radio) for $15 each, including postage. Enclose a disk and I can pass on any source code for CIV control that I have.

My address is 107 Oak Ridge Drive, Ayer MA, 01432.

73s, jv, N1DXG

"Do policemen dream?
   ..Yes when they're fast asleep.
 And when policemen dream?
   ..It proves they're fast asleep" -- Robyn Hitchcock

```
 -----
|     | Johnathan Vail | n1dxg@tegra.com
|Tegra| (508) 663-7435 | N1DXG@448.625-(WorldNet)
 -----  jv@n1dxg.ampr.org {...sun!sunne ..uunet}!tegra!vail
```

From 7713546074235798165
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ec84ed4ce5708109,start
X-Google-Attributes: gid10c9e3,public

```
X-Google-ArrivalTime: 1990-12-17 08:10:54 PST
Path: gmdzi!unido!mcsun!uunet!know!sdd.hp.com!ucsd!pacbell.com!ames!haven!decuac!
shlump.nac.dec.com!e2big.mko.dec.com!decabo.enet.dec.com!brewer@ace.dec.com
From: brewer@ace.dec.com (John Brewer)
Newsgroups: rec.ham-radio
Subject: Vintage equip restoration question
Message-ID: <136@decabo.enet.dec.com>
Date: 17 Dec 90 16:10:54 GMT
Sender: news@decabo.enet.dec.com
Organization: Digital Equipment Corporation
Lines: 14
Keywords:Boat anchors, Guy Stays
```

Yesterday I got a Viking I back on the air and although
it appears to be working fine, it sure is ugly after
40 years of (ab) use.

Does anyone know how to restore the gloss of a wrinkle finish?
I have scrubbed the cabinet with soap and water and it is now
clean, but very dull. I have see wrinkle finishes that
appear glossy, but dont know how to acheive that. Any hints?

73/ john wb5oau (see you on 29.0-29.1)

PS: Anyone have a Johnson 122 VFO they want to sell to
a good home?

```
From -3480049588757326716
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 08:15:26 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!usc!rutgers!gatech!
purdue!haven!ni.umd.edu!sayshell.umd.edu!louie
From: louie@sayshell.umd.edu (Louis A. Mamakos)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Keywords: NoCode
Message-ID: <1990Dec17.161526.5276@ni.umd.edu>
Date: 17 Dec 90 16:15:26 GMT
References: <7169@jhunix.HCF.JHU.EDU> <40074@genrad.UUCP> <41520@ut-emx.uucp>
Sender: usenet@ni.umd.edu (USENET News System)
Organization: University of Maryland, College Park
Lines: 23
```

In article <41520@ut-emx.uucp> kipper@ccwf.cc.utexas.edu (Kip Ingram) writes:

>I actually heard most of the participants on BOTH SIDES of the "Herbie" thing
>agree on something: on 2 meters, no one, and they meant NO ONE, was to talk
>to those "d#%$ no-code Technicians."

I suspect that most existing Amateurs, as well as the new no-code Technician amateurs would probably not want to talk to these bigots anyway. Come to think of it, I wouldn't either.

I suppose that they will QRM those of us that do choose to be civil and talk with the new amateurs? That will be might fine and civil of them, won't it? See how CW hazing has made sure that only "worthy" folks have had licenses?

Feh.

I for one hope that the infusion of new blood will turn the topic of QSOs from the latest round of medical problems and treatments to more interesting topics.

louie
WA3YMH

From -3495799990046472516
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,147c088c354ec103,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 08:38:11 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!lavaca.uh.edu!menudo.uh.edu!lobster!lescsse!gamorris
From: gamorris@lescsse.uucp (Gary A. Morris)
Newsgroups: rec.ham-radio
Subject: STS-35 SAREX Mission (antenna pattern study)
Summary: Request for packets copied from WA4SIR
Keywords: Shuttle, SAREX, STS-35, WA4SIR, Packet
Message-ID: <1990Dec17.163811.1857@lescsse.uucp>
Date: 17 Dec 90 16:38:11 GMT
Organization: Lockheed Engineering and Sciences
Lines: 40

Forwarded from packet radio:

From   : KA5CDJ @ KA5KTH
Date   : 901215/2044
Subject : STS-35 SAREX Mission

We are attempting to compile all available data for use in studying antenna radiation patterns from the SAREX mission ... and are requesting you forward all packets copied from WA4SIR onboard the Space Shuttle Columbia. We will use this data along with vehicle attitude in determining the antenna radiation pattern. Please send ONLY packets received from your ground station. Packets MUST have been copied with time stamp active, and please include a short note giving your ground station location and what time zone your system clock was set to, i.e. UTC, EST, CST etc.

Forward to:

KA5CDJ@KA5KTH
     or
KA5CDJ.ampr.org (44.76.0.97)

Much Thanks........

73
Thomas "Brad"ford Smith
KA5CDJ

Packets can also be sent to gmorris@nasamail.nasa.gov or lescsse!gamorris.
--GaryM

```
--
Gary Morris                    Internet: lescsse!gamorris@menudo.uh.edu
Lockheed, Houston, Texas       UUCP:     lobster!lescsse!gamorris
Space Station Freedom          Internet: gmorris@nasamail.nasa.gov
N5QWC/W5RRR                    Phone:    +1 713 283 5195
```

From -7943692775057618537
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,5dd2f14b9ce66a7c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-17 08:41:03 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!aplcen!jhunix!ins_atge
From: ins_atge@jhunix.HCF.JHU.EDU (Thomas G Edwards)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: morse code
Summary: More morse
Message-ID: <7197@jhunix.HCF.JHU.EDU>
Date: 17 Dec 90 16:41:03 GMT
References: <1990Dec12.231058.23895@engin.umich.edu> <1990Dec14.012315.7858@zoo.toronto.edu>
Followup-To: sci.electronics
Organization: The Johns Hopkins University - HCF
Lines: 22
Xref: gmdzi sci.electronics:10260 rec.ham-radio:18043

In article <1990Dec14.012315.7858@zoo.toronto.edu> henry@zoo.toronto.edu (Henry Spencer) writes:
>In article <1990Dec12.231058.23895@engin.umich.edu> ssave@caen.engin.umich.edu (Shailendra Anant Save) writes:
>> Say, why do people use morse nowadays anyway?
>

>For conformance with antiquated regulations, because they're old-fashioned,
>or because they're stranded on a desert island which is well-supplied with
>analog electronic parts but has no digital parts.

Also because of nasty ITU regulations.

More reasonably, code is exceedingly useful in low-power operations.
Yes, DSP is going to change everyones life who can afford it, but
morse code still serves a serious need for efficient communication
with exceedingly small bandwidths (important on shrinking ham bands).
If you have ever tried to work a satellite on battery power (like I did
last field day), you'd see that morse is about the only reasonable way
of pulling it off.

Of course, I really haven't used code since then...

-Tom
N3HAU

```
From -6966283432024994919
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,518f9bfacf6236f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 08:51:38 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
LONEX.RADC.AF.MIL!szarekw
From: szarekw@LONEX.RADC.AF.MIL (William J. Szarek)
Newsgroups: rec.ham-radio
Subject: . . . un-enlightened ignorant remarks
Message-ID: <9012171651.AA23971@lonexc.radc.af.mil>
Date: 17 Dec 90 16:51:38 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 103
```

in this posting:
>> = my response to Henry Spencer
> = Phil R. Karn's response to my response to Henry Spencer

>>Dear Mr. Spencer
>>
>> Your comments regarding my favorite part of this wonderful hobby were
>>not appreciated. Such slander serves no purpose except to segregate the
>>already dwindling and politically impotent ham radio fraternity (es sorority
>> :-).
>Lighten up, bill. The no-code battle is over, and the no-code license proponents
>won. This does not mean that the pro-code proponents lost. Those who like
>code are perfectly free to continue using it. (this even includes me from
>time to time) Your overreaction to Henry's gentle ribbing reminds me of
>Shakespear's line "methinks thou dost protest too much."

-excuse me????

I'm not comming down hard on henry because of his preference for phone over cw. I'm comming down on him for the rude, irrational, inconsiderate, answer he gave Shailendra. Shailendra asked a question,"Say, why do people use morse nowadays anyway?" I assume this to be the genuine curiosity of a new ham. If this is the case receiving the answer Henry posted would be not the least bit helpful.
(henrys response)
--For conformance with antiquated regualations, because they're old-fashioned.
--or because they're stranded on a desert island which is well-supplied with
--analog electronic parts but has no digital parts. Morse is basically
--obsolete, since digital modulation techniques are far superior at punching
--clean signals through noise.
This is not how a ham elmers another ham. This is mixing politics and "religion" with lending a helping hand. Personal beliefs are no reason to waiver courtesy.

The no-code battle is not over. There are those who want to eliminate the present "novice, tech, general, adv, extra" class structure. While i believe, and have always stated that the phone bands should be open to all hams who want to use phone I dont want to see the cw bands eliminated or restructured. Further i stated that this is not to have 'exclusive' bandspace but to simply have a place where i can run high speed cw. I am not a high speed wizzard but can keep up pretty well. I would like to get better, the only way to do that is by working others with similar goals. they are found in the "low" end of the band.

Again I would never take an anti-phone position, yet pro-phone people are very comfortable taking an anti-cw position. This breaks up the ham radio community into two groups. If we are already divided it will be easy for anyone to break us up further. I am promoting "fraternity and sorority" these are good things. I don't think your comment "lighten up" is appropriate. Nor is your Shakespearian referance, the context is wrong.

>To paraphrase my reply comments on 90-55, how come you guys only mention
>the simplicity of the cw *transmitter*? It seems to me that a workable cw
>*receiver* is quite a bit more complex than the simplest AM receiver, the
>crystal set.

My dear phil lend me your ear and i will enlighten you. You can recieve CW with a crystal set (shhhh don't tell anyone it's my secret and yes I have done it).

>>"Morse is basically obsolete, since digital modulation techniques are far
>>superior at punching clean signals through noise: Sorry, here you are simply
>>wrong. I suppose you could argue speed but not punching through. I have
>>never seen a qrp (really qrp not 5 watts) rig that could successfully punch
>>through a paper bag using "digital modulation techniques". However I do
>>recall a QST article featuring a guy who got WAS on a qrp rig that used
>>a nand gate for the final (i think it was something like .1mW output). No
>>insult intended.

>This argument is also answered in detail in my reply filing, and Bill, *you*
>are simply wrong. Rather than repeat the entire thing here, I refer you

>to it. Suffice to say that CW, as it is generally used in amateur radio
>(on-off keying of a carrier) is *extraordinarily* inefficient in terms of
>both bandwidth and power. Many more computer-oriented digital transmission
>techniques exist that are far more efficient than manual CW, and some of
>them are even in use by amateurs. (this is not to say that these techniques
>don't also have a lot of room for improvement - they do.)

YIPE YIKES first off only my grandmother calls me bill. You can see I sign
my name Buzz (FYI :-))

Phil, I don't claim to know everything (although some people think I do :-))
If you can show me a digital mode that operates at roughly the same speed
as 20wpm cw and uses less than 200hz (not Mhz or Khz but just hz) of bandwidth
(this is the bandwidth of a cw signal) and can work all states on .1mW (1/10000
watt) then i will believe you. I'm not a religious nut over cw if you have
information please let me know. I don't have your previous posting possibly
you could send it to me. Oh yea digital is cool but really cool digital
stuff costs $$$$$$$$$$!!

In closing Phil I hope you realize that I'm bananas or fanatical about code.
-i support full phone privs for everyone
-i like the no-code licence (i don't like HOW they did it)
-i believe cw is fun, cheap, efficient and effective

if you can show me otherwise great! I will have learned something and possibly
expand my hobby. otherwise . . . in the words of Calvin Hobbs after seeing
all sides "your still wrong!"

73
buzz
wm1w

From 6423762921386649599
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0c54d597d79c632
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 09:02:12 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Codeless Tech License
Summary: scads of new hams
Keywords: FCC announcement
Message-ID: <675@ssc.UUCP>
Date: 17 Dec 90 17:02:12 GMT
References: <661@ssc.UUCP> <1990Dec17.032209.28141@ux1.cso.uiuc.edu>
Organization: very little
Lines: 32

In article <1990Dec17.032209.28141@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu (Phil

Howard KA9WGN) writes:
> tad@ssc.UUCP (Tad Cook) writes:
> >So by this time next year I expect to see HUGE advances in the
> >state of the art, a revitalization of the US ham manufacturers,
> >(Hammarlund making DSP boxes?) and ham radio growing like crazy
> >with all this new talent.
>
> >Or will we just see a lot more folks yakking on 2 meters?
>
> All of the above provided we PROMOTE ham radio now like we could not
> have before.

OK, well you and the other Phil must be thrilled that the nocode
license has even more privileges than any of us ever dreamed of.

Y'all told us how you knew all these brilliant engineers who were
going to revitalize our hobby if only we got rid of the silly Morse
requirement.

How many of your friends who are interested in DSP, networking,
etc (NOT just in yakking on 2 FM) are planning to get their Tech
come February 15?

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 1737204038878913280
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a5fe27107480da65,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 09:06:27 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!usc!elroy.jpl.nasa.gov!ames!
amdahl!pyramid!decwrl!infopiz!lupine!hansen!phil
From: phil@hansen.NCD.COM (Phil Graham)
Newsgroups: rec.ham-radio
Subject: The New Generation
Keywords: NO-CODE, TECH
Message-ID: <3025@lupine.NCD.COM>
Date: 17 Dec 90 17:06:27 GMT
Sender: news@NCD.COM
Reply-To: phil@hansen.NCD.COM (Phil Graham)
Lines: 39

Well folks we have a new class of Hams comming on board. The FCC has
changed the rules and if you agree or not here they come. Now it is up to us!

It is our job to find the people that will help the hobby grow in a way that we can live with. Here is the people that we need to find to help the hobby!

- Technical gurus that will add new technology to the hobby.
- Get Kids involved so they can experiment with radio and computers

(kids already love the computer and love the Radio Shack walkie-talkies!)

- How about a friend or maybe your wife who are interested in public service?
- Are there others? Let us find them!

I told my wife about the new license and she is ready to go! I am sure she will be ready to take the test in February. I have already told her I will buy a new COMPACT HT for her to carry in her purse! She is going to be ready for the next Earthquake!

I told some friends at the company Christmas party about the new license and they all said that they were ready! These were all very tallented engineers that will contribute in networks and digiatal control!

It is all up to us! So go out there and get the new hams ready!

It is important to remember that all of these new people will be getting involved at the same time. We will need to make sure they ALL learn good habits and not the bad ones. Take the time to help the new ham to be sure that they have everything they need to have fun and to be part of the entire HAM population!

I expect that I will have study meeting to help study for the new exams at my company! Are you ready for the 90's!

DE KJ6NN
Phil

From -8239885923691392062
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b39b51f887746cb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 09:10:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!interlan.InterLan.COM!interlan.interlan.com!yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: 10 meter rig recommendation?
Message-ID: <YETSKO.90Dec17121044@interlan.interlan.com>
Date: 17 Dec 90 17:10:44 GMT
References: <1990Dec5.212046.11491@midway.uchicago.edu>

<530032@hpdmd48.boi.hp.com>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 19
In-reply-to: ritchie@hpdmd48.boi.hp.com's message of 17 Dec 90 03:25:49 GMT

Actually, the rules for working on CB were relaxed a while back.

BUT, CB's MUST be type accepted, and type acceptance REQUIRES that the CB have 40 discrete channels, and no more, and that these channels are NUMERICAL, not frequecy oriented. In pre-40 channel days, where there were licenses for some special allocations that are no channels 24 and 25, they could only LEGALLY be installed in a CB if a CB channel was removed on a one-one basis.

COnverting a CB to HAM is 100% legal, if you do it right, but that also means the unit is NOT to be put back into CB service. I have a unit that goes 100 channels wide, and was used for the first block in a 2m SSB transverter setup. The radio is 100% legal as HAM, but only as HAM equipment. If I ever disconnect the transverter and transmit on CB, even without going 'out-of-band' the radio is illegal, at least as far as I read the law.

Mike Yetsko
N1DVJ

From -4474901127537104730
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2e09e6eeb830269d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 09:14:29 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: Additional TH-75 mods.
Message-ID: <18230051@hpfcdj.HP.COM>
Date: 17 Dec 90 17:14:29 GMT
References: <4189@network.ucsd.edu>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 18

>II. I was disappointed Kenwood didn't have a trickle charge feature for
>the battery pack when you plug the radio into an external DC source.
>This is easily modified, and the result works well keeping a 50ma.
>charging current to the battery.

This is probably not all that good an idea if you use the rig a lot on external DC. A simple charging system like this has no provision for ending the charge if the battery starts to overcharge, and it's voltage depression due to overcharging that really causes the NiCd problem that most think is "memory." (NiCd cells really don't have a true "memory" problem, at least not one which will normally be seen in the vast majority of applications. Details and references available on request.)

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
myers@fc.hp.com                          |  sentient life-form on this planet.
```

```
From 5032319541977910202
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,42602ef3fe1fc2e4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 09:24:04 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!hp-pcd!
hplsla!tomb
From: tomb@hplsla.HP.COM (Tom Bruhns)
Newsgroups: rec.ham-radio
Subject: Re: WANTED TS520S Accessories.
Message-ID: <5720087@hplsla.HP.COM>
Date: 17 Dec 90 17:24:04 GMT
References: <9012111900.AA29197@tilde>
Organization: HP Lake Stevens, WA
Lines: 8
```

Tried mailing and it bounced... Unless your TS520S has the DC power module, a 12V power cord won't do you much good. (Actually, I'd like to get a schematic of the power module, which I gather is mainly a couple of power transistors that switch current in the built-in power transformer...) And you can use 'most any 50k ohm mic; for a while I was using a Radio Shack electret mic that took a AAA cell for power. Radio Shack also sells (or at least used to) 4-pin mic connectors that work in the TS-520S.

```
From -7030782661053714854
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 09:25:28 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpfcso!ron
From: ron@hpfcso.HP.COM (Ron Miller)
Newsgroups: rec.ham-radio
Subject: Re: Re: Re: Ham licenses without Morse code -- News item
Message-ID: <7500066@hpfcso.HP.COM>
Date: 17 Dec 90 17:25:28 GMT
References: <1250305@hpnmdla.HP.COM>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 20
```

Re Why CW??

After perusing a brief article in QST about how few hams there are in India (VU2xxx) ......

All the talk about how "cheap" and "available" digital techniques may be true in some parts of the world but it certainly isn't true worldwide. It sort of reminds me of how coworkers disparage 68000-based workstations as being antiques while some countries are still putting import restrictions on hand-helds......

Feel free to use digital, but don't forget it's a great big world out there. Perhaps one should have more respect for the poor third world ham who uses a sawblade hand key and string-and-gum-wrapper transmitter to give you a DXCC card.   Then again, maybe there aren't many of those either......

Ron (young pharte of 20 years) Miller
NW0U

From -3598504459440064750
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 09:59:00 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <202@platypus.uofs.edu>
Date: 17 Dec 90 17:59:00 GMT
References: <9012150044.AA01342@tilde>
Organization: University of Scranton, Scranton, PA
Lines: 26

In article <9012150044.AA01342@tilde>, dube@cpdvax.csc.ti.com writes:

> Re: No-Code license
>
> Now that it's here, we must learn to live with it. I understand that there will be 2 classes of Technicians: one who has passed 5WPM and has all current Tech privileges; and one who has not demonstrated the Morse code ability, and is restricted to 30 Mhz and above.

Actually, there will be three Technician classes.
1. Took the General written exam and 5 WPM (the oldest)
2. Took the current Technician written exam and 5WPM (past couple years)
3. Takes the new Technician written exam and no CW (starting in about 60 days)

> I also understand that there will be no call-sign differentiation. So how will we bge able to tell if a Tech who is operating below 30 MHz is authorized to do so?

Don't worry, I am sure there are lots of op's out there are already warming
up their rigs to "police" things.   Maybe 14.313 is just the beginning.

bill   KB3YV

--

```
     Bill Gunshannon           |        If this statement wasn't here,
     bill@platypus.uofs.edu    |  This space would be left intentionally blank
```

From 5264650733083221315
X-Google-Language: FRENCH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5ac17cf9e887b6e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 09:59:48 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!ucsd!network.ucsd.edu!dcdwest!plb
From: plb@dcdwest.uucp (Phil Blais)
Newsgroups: rec.ham-radio
Subject: Re: reorganize - do it all now [:-)]
Keywords: :-)
Message-ID: <1990Dec17.175948.9441@dcdwest.uucp>
Date: 17 Dec 90 17:59:48 GMT
References: <1990Dec12.221550.13435@ux1.cso.uiuc.edu>
Organization: ITT Defense Communications Division - West
Lines: 219

In article <1990Dec12.221550.13435@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN) writes:
>If we are going to make changes, we better do it all now. So I have
>prepared a list of possible newsgroups. Please add to it if you like
>and the name "amateur" can be changed to "ham" if you really want.
>
>:-)   [enjoy]
>
>rec.radio.amateur
>rec.radio.amateur.alt
>rec.radio.amateur.am
>rec.radio.amateur.am.legal
>rec.radio.amateur.bands
>rec.radio.amateur.bands.ehf
>rec.radio.amateur.bands.hf
>rec.radio.amateur.bands.hf.10m
>rec.radio.amateur.bands.hf.12m
>rec.radio.amateur.bands.hf.15m
>rec.radio.amateur.bands.hf.17m
>rec.radio.amateur.bands.hf.20m
>rec.radio.amateur.bands.hf.30m
>rec.radio.amateur.bands.hf.40m
>rec.radio.amateur.bands.hf.80m
>rec.radio.amateur.bands.lf

```
>rec.radio.amateur.bands.lf.160m
>rec.radio.amateur.bands.light
>rec.radio.amateur.bands.shf
>rec.radio.amateur.bands.shf.12mm
>rec.radio.amateur.bands.shf.3cm
>rec.radio.amateur.bands.shf.5cm
>rec.radio.amateur.bands.shf.9cm
>rec.radio.amateur.bands.uhf
>rec.radio.amateur.bands.uhf.13cm
>rec.radio.amateur.bands.uhf.23cm
>rec.radio.amateur.bands.uhf.70cm
>rec.radio.amateur.bands.vhf
>rec.radio.amateur.bands.vhf.125cm
>rec.radio.amateur.bands.vhf.125cm.use-it-or-lose-it
>rec.radio.amateur.bands.vhf.2m
>rec.radio.amateur.bands.vhf.6m
>rec.radio.amateur.binaries
>rec.radio.amateur.binaries.code-practice
>rec.radio.amateur.binaries.mac
>rec.radio.amateur.binaries.pc
>rec.radio.amateur.classes
>rec.radio.amateur.classes.announce
>rec.radio.amateur.classes.taking
>rec.radio.amateur.classes.teaching
>rec.radio.amateur.contests
>rec.radio.amateur.contests.announce
>rec.radio.amateur.contests.cw
>rec.radio.amateur.contests.operating
>rec.radio.amateur.dx
>rec.radio.amateur.dx.further-away
>rec.radio.amateur.dx.new-countries
>rec.radio.amateur.eme
>rec.radio.amateur.eme.skeds
>rec.radio.amateur.fcc
>rec.radio.amateur.fcc.lawsuits
>rec.radio.amateur.fcc.proposals
>rec.radio.amateur.fcc.regs
>rec.radio.amateur.flame
>rec.radio.amateur.flame.counter-flame
>rec.radio.amateur.fm
>rec.radio.amateur.fm.dx
>rec.radio.amateur.fm.repeaters
>rec.radio.amateur.fm.repeaters.closed
>rec.radio.amateur.fm.repeaters.closed.ctcss
>rec.radio.amateur.fm.repeaters.closed.dtmf
>rec.radio.amateur.fm.repeaters.controllers
>rec.radio.amateur.fm.repeaters.coordinated
>rec.radio.amateur.fm.repeaters.open
>rec.radio.amateur.fm.yack.yack.yack
>rec.radio.amateur.history
>rec.radio.amateur.history.spark
>rec.radio.amateur.history.tubes
>rec.radio.amateur.ht
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>rec.radio.amateur.ht.batteries
>rec.radio.amateur.ht.batteries.nicad
>rec.radio.amateur.ht.batteries.nicad.memory
>rec.radio.amateur.ht.dropped
>rec.radio.amateur.ht.mods
>rec.radio.amateur.ht.mods.announce
>rec.radio.amateur.ht.mods.out-of-band
>rec.radio.amateur.ht.mods.out-of-band.flame
>rec.radio.amateur.ht.mods.out-of-band.legal
>rec.radio.amateur.ht.mods.repeater
>rec.radio.amateur.junk
>rec.radio.amateur.license
>rec.radio.amateur.license.lost
>rec.radio.amateur.license.where-to-buy
>rec.radio.amateur.misc
>rec.radio.amateur.misc.misc
>rec.radio.amateur.morse
>rec.radio.amateur.morse.die.die.die
>rec.radio.amateur.news
>rec.radio.amateur.news.arrl
>rec.radio.amateur.news.crrl
>rec.radio.amateur.news.groups
>rec.radio.amateur.news.rsgb
>rec.radio.amateur.nocode
>rec.radio.amateur.old-farts
>rec.radio.amateur.org
>rec.radio.amateur.org.arrl
>rec.radio.amateur.org.barf
>rec.radio.amateur.packet
>rec.radio.amateur.packet.ax25
>rec.radio.amateur.packet.high-speed
>rec.radio.amateur.packet.legal
>rec.radio.amateur.packet.lost
>rec.radio.amateur.packet.networks
>rec.radio.amateur.packet.networks.announce
>rec.radio.amateur.packet.regs
>rec.radio.amateur.packet.rose
>rec.radio.amateur.packet.rose.addr
>rec.radio.amateur.packet.tcpip
>rec.radio.amateur.packet.tcpip.addr
>rec.radio.amateur.packet.tcpip.nos
>rec.radio.amateur.packet.tcpip.nos.tech
>rec.radio.amateur.packet.tech
>rec.radio.amateur.packet.yack.yack.yack
>rec.radio.amateur.people
>rec.radio.amateur.people.fred-maia
>rec.radio.amateur.people.phil-karn
>rec.radio.amateur.people.wayne-green
>rec.radio.amateur.phone-patch
>rec.radio.amateur.phone-patch.e911
>rec.radio.amateur.phone-patch.e911.help
>rec.radio.amateur.phone-patch.pizza
>rec.radio.amateur.phone-patch.pizza.anchovy

```
>rec.radio.amateur.phone-patch.pizza.flame
>rec.radio.amateur.phone-patch.pizza.flame.burnt
>rec.radio.amateur.phone-patch.pizza.tech
>rec.radio.amateur.phone-patch.subs
>rec.radio.amateur.pileups
>rec.radio.amateur.pileups.bondage
>rec.radio.amateur.ptt
>rec.radio.amateur.ptt.europe
>rec.radio.amateur.qro
>rec.radio.amateur.qro.exawatt
>rec.radio.amateur.qro.gigawatt
>rec.radio.amateur.qro.kilowatt
>rec.radio.amateur.qro.megawatt
>rec.radio.amateur.qro.petawatt
>rec.radio.amateur.qro.terawatt
>rec.radio.amateur.qrp
>rec.radio.amateur.qrp.attowatt
>rec.radio.amateur.qrp.femtowatt
>rec.radio.amateur.qrp.microwatt
>rec.radio.amateur.qrp.milliwatt
>rec.radio.amateur.qrp.nanowatt
>rec.radio.amateur.qrp.one-watt
>rec.radio.amateur.qrp.picowatt
>rec.radio.amateur.qst
>rec.radio.amateur.qst.arrl
>rec.radio.amateur.qst.arrl.w1aw
>rec.radio.amateur.qst.old
>rec.radio.amateur.regs
>rec.radio.amateur.regs.announce
>rec.radio.amateur.satellite
>rec.radio.amateur.satellite.elements
>rec.radio.amateur.satellite.launches
>rec.radio.amateur.scanners
>rec.radio.amateur.sources
>rec.radio.amateur.sources.dsp
>rec.radio.amateur.sources.nos
>rec.radio.amateur.sources.unix
>rec.radio.amateur.spark
>rec.radio.amateur.spark.forever
>rec.radio.amateur.spark.gaps
>rec.radio.amateur.splut
>rec.radio.amateur.swap
>rec.radio.amateur.swap.antiques
>rec.radio.amateur.swap.free
>rec.radio.amateur.swap.free.fix-it-yourself
>rec.radio.amateur.swap.parts
>rec.radio.amateur.swap.parts.unsoldered
>rec.radio.amateur.swap.wanted
>rec.radio.amateur.swap.wanted.desperate
>rec.radio.amateur.swap.wanted.schematics
>rec.radio.amateur.swap.you-pay-shipping
>rec.radio.amateur.tech
>rec.radio.amateur.tech.circuits
```

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>rec.radio.amateur.tech.dsp
>rec.radio.amateur.tech.dsp.hardware
>rec.radio.amateur.tech.dsp.software
>rec.radio.amateur.tech.easy
>rec.radio.amateur.tech.experiment
>rec.radio.amateur.tech.math
>rec.radio.amateur.tech.novice
>rec.radio.amateur.tech.phd
>rec.radio.amateur.tech.theory
>rec.radio.amateur.tech.tubes
>rec.radio.amateur.tech.tubes.forever
>rec.radio.amateur.tests
>rec.radio.amateur.tests.announce
>rec.radio.amateur.tests.code
>rec.radio.amateur.tests.handicap
>rec.radio.amateur.tests.questions
>rec.radio.amateur.tests.questions.and.answers
>rec.radio.amateur.tests.vec
>rec.radio.amateur.tv
>rec.radio.amateur.tv.fstv
>rec.radio.amateur.tv.sstv
>rec.radio.amateur.xyl
>rec.radio.amateur.yl
>rec.radio.amateur.yl.personals
>rec.radio.amateur.yl.personals.anonymous
>
>--
>
>--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
><phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

You left off rec.radio.amatuer.lets.discuss.this.silly.name.change.crap.again.
about.every.six.months.or.so.we.can.create.lots.more.QRM.and.waste.bandwidth
--
phil blais  N6KXD (ex WD6ETL)    ITT    Aerospace Communications Division
dcdwest!plb@ucsd.edu           DEFENSE    10060 Carroll Canyon Road
ucbvax!ucsd!dcdwest!plb                      San Diego, CA 92131


From -4814060931679805446
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,57ab392a8fe5cb56
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 10:07:34 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!
hplsla!charlier
From: charlier@hplsla.HP.COM (Charlie Panek)
Newsgroups: rec.ham-radio
Subject: Re: HC901204.ZIP - HamComm: Transmit/receive RTTY with PC/XT/AT
Message-ID: <5720088@hplsla.HP.COM>
Date: 17 Dec 90 18:07:34 GMT
References: <1563.w8sdz@wsmr-simtel20.army.mil>
Organization: HP Lake Stevens, WA
```

Lines: 26

>/ hplsla:rec.ham-radio / schroeder.pad@nixbur.UUCP / 8:06 am Nov 27, 1990 /
>I have uploaded to SIMTEL20:
>
>pd1:<msdos.hamradio>
>HC901204.ZIP HamComm: Transmit/receive RTTY with PC/XT/AT
>
>73 de django dl5yec
>
>No fee, no donations asked for. Share and enjoy.
>

I downloaded this late last week and whipped up the little comparator
circuit, not expecting much. Wow! What an amazing program!
One of the first things I copied was the W1AW bulletin announcing the
no-code license. Then spent the rest of the weekend poking around on
20 meters "printing" DX (JA, PY, VE8, VK, etc).
I haven't messed with RTTY since my college days of
a PLL decoder and an old model 19. This certainly compares favorably
with that experience. The spectrum display is amazing too... How is
it done? Certainly my PC can't do an FFT with that many spectral lines, that
quickly...

Many thanks for the most valuable and interesting piece of freeware
I've seen in a long time...

Charlie Panek (UUCP: hplabs!hp-pcd!hplsla!charlier)
KX7L (domain: charlier@lsid.hp.com)

From -6661909584593230685
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 10:10:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: morse code
Message-ID: <7500067@hpfcso.HP.COM>
Date: 17 Dec 90 18:10:35 GMT
References: <1990Dec12.231058.23895@engin.umich.edu>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 26

/ hpfcso:rec.ham-radio / henry@zoo.toronto.edu (Henry Spencer) / 6:23 pm Dec 13, 1990 /
In article <1990Dec12.231058.23895@engin.umich.edu> ssave@caen.engin.umich.edu
(Shailendra Anant Save) writes:
> Say, why do people use morse nowadays anyway?

For conformance with antiquated regulations, because they're old-fashioned,

or because they're stranded on a desert island which is well-supplied with analog electronic parts but has no digital parts. Morse is basically obsolete, since digital modulation techniques are far superior at punching clean signals through noise.
--
"The average pointer, statistically, |Henry Spencer at U of Toronto Zoology
points somewhere in X." -Hugh Redelmeier| henry@zoo.toronto.edu   utzoo!henry
----

Morse IS a digital modulation technique! While it's far from the best, it's one of the easiest and cheapest to implement. It's good enough that in weak signal conditions it beats the current voice systems.

We do what we do because it's: a) fun to us. and b) sometimes useful.

Let me rephase your last sentence:

Amateur Radio is basically obsolete, since telephone company techniques are far superior at punching clean signals through noise.

Bill - WA7NWP "20 meters would be a great digital-only band."

From -5446961840319530874
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,5dd2f14b9ce66a7c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-17 10:12:45 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!adec23!aunro!aupair.cs.athabascau.ca!lyndon
From: lyndon@cs.athabascau.ca (Lyndon Nerenberg)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: morse code
Message-ID: <516@aupair.cs.athabascau.ca>
Date: 17 Dec 90 18:12:45 GMT
References: <1990Dec12.231058.23895@engin.umich.edu> <1990Dec14.012315.7858@zoo.toronto.edu>
Organization: Athabasca University
Lines: 26
Xref: gmdzi sci.electronics:10263 rec.ham-radio:18047

henry@zoo.toronto.edu (Henry Spencer) writes:

>> Say, why do people use morse nowadays anyway?

>For conformance with antiquated regulations, because they're old-fashioned,
>or because they're stranded on a desert island which is well-supplied with
>analog electronic parts but has no digital parts. Morse is basically
>obsolete, since digital modulation techniques are far superior at punching
>clean signals through noise.

Conformance with regs has nothing to do with it. Nobody will force you
to go anywhere near a key after you get your license. Besides, some of
us *like* CW.

You know, if I changed the above question to:

> Say, why do people use 16 bit architectures nowadays anyway?

your answer would still apply. Come on, Henry - you've only had a
"no code" computer for a year or so :-)

--
Lyndon Nerenberg VE6BBM / Computing Services / Athabasca University
{alberta,cbmvax,mips}!atha!lyndon || lyndon@cs.athabascau.ca
Packet: ve6bbm@ve6mc [.ab.can.na]
The only thing open about OSF is their mouth. --Chuck Musciano

---

From -1341175198422849841
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 10:34:01 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!
emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Keywords: NoCode
Message-ID: <1990Dec17.183401.23317@athena.cs.uga.edu>
Date: 17 Dec 90 18:34:01 GMT
References: <7169@jhunix.HCF.JHU.EDU> <40074@genrad.UUCP> <41520@ut-emx.uucp>
Organization: University of Georgia, Athens
Lines: 13

It is incumbent on all of us to welcome the new no-code Technicians into
the mainstream of ham radio.

The FCC gave them 2-meter privileges (after having proposed not to do so)
precisely because of this -- they want the new Techs to be REAL hams, not
exiled into some UHF ghetto.

If the present hams ostracize the new Techs, the present hams will look
very bad in the eyes of the FCC. Remember, the FCC doesn't give us spectrum
to preserve the radio traditions of 1920. They give us spectrum in order
to serve the public, enhance international goodwill, advance the radio art...

So here's my message to all the new Techs: WELCOME!

From -5226789496223002657
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 11:35:33 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: MACMORSE & HyperCard Stacks
Summary: Morse code pgms via FTP
Keywords: Code_Practice FCC_Exams HyperCard
Message-ID: <47435@apple.Apple.COM>
Date: 17 Dec 90 19:35:33 GMT
References: <8582@tekgvs.LABS.TEK.COM> <7169@jhunix.HCF.JHU.EDU> <43@bootsie.UUCP>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 27

In article <43@bootsie.UUCP> olson@bootsie.UUCP (Eric Olson) writes:
>
>There are two Morse code practice programs available via anonymous FTP from
>sumex.stanford.edu in the files /info-mac/apps/morse-code-*.hqx. They both
>send practice code for you to copy, similar to the code test (i.e., not real
>words). They both work on my Mac II (and probably on all Macs).

I don't know which programs are on sumex, but if they're the same two
as are on apple.com, they *do* accept "real words". You can create an
ASCII text file and have the code program play it for you. This allows
you to drill yourself on certain words (such as "antenna", "QTH", or
whatever.) Or if you like, you can have someone else write the file
so you don't know what's in it.

The two we have are Morse Trainer from N6MZV and Morse Tutor from WA4FIB.
They're in the directory pub/ham-radio.

73,
Patty

--
```
*****************************************************************************
Patty Winter N6BIS                         INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                      UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From -5695806890724430315
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f91e3535ccb15e2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 11:48:26 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!rutgers!
netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: No-code announcement

Message-ID: <203@platypus.uofs.edu>
Date: 17 Dec 90 19:48:26 GMT
References: <1990Dec13.212124.17756@porthos.cc.bellcore.com>
<1990Dec14.072717.22068@ux1.cso.uiuc.edu>
Organization: University of Scranton, Scranton, PA
Lines: 22

In article <1990Dec14.072717.22068@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN) writes:
>
> WHile the VEC's will be giving fewer code tests, they could very soon be
> giving more written tests.

Actually, if it is possible for anyone to gather the statistics from the various VEC's, I think a lot of people would be interested in seeing those statistics published every month for the next couple months. Just to see if this new class really has any effect on the number of people going for their ham license. I know of 2 people right of the bat that have started looking for a test site since hearing that the CW is not necessary any more. Both are interested in packet and not talking on the local repeater. And for the sake of those collecting demographics, one is male and one is female. :-)

bill   KB3YV

--

     Bill Gunshannon | If this statement wasn't here,
     bill@platypus.uofs.edu | This space would be left intentionally blank

From -6183084888951704278
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 11:59:45 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!usc!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Internet-Packet Reply (LONG!)
Message-ID: <1250307@hpnmdla.HP.COM>
Date: 17 Dec 90 19:59:45 GMT
References: <688.27612B49@w8grt.fidonet.org>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 28

In rec.ham-radio, tad@ssc.UUCP (Tad Cook) writes:

>In article <1250300@hpnmdla.HP.COM>, alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>> In rec.ham-radio, tad@ssc.UUCP (Tad Cook) writes:
>>

>> >What about repeaters that have a burglar alarm to indicate on the air
>> >when an intruder has entered the area? Would this be illegal, because
>> >like the caller on the phone, the intruder might not be a licensed ham?
>>
>> Any telemetry transmitter must have a control operator. I'm not sure if
>> "automatic control" is legal for telemetry. In the case mentioned above,
>> you could probably justify it as an "emergency" transmission. (It must
>> be an emergency if there's an intruder).
>>
>> I'm as good an armchair lawyer as anybody else! :-)

>Yeah! I am definately doing some of that here....no criticism of any
>alternative views implied....it just seems like a murky area to me.
>I have no problems with on-the-air repeater burglar alarms OR reverse
>autopatches myself.

>BUT....if you could justify the burglar alarm as an emergency transmission,
>then that would allow you to use ham frequencies for ANY burglar alarms,
>right?

Right. As long as the user has a ham license!

AL N1AL

From -7401816274007911522
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 12:11:24 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <P0acu3w163w@phoenix.com>
Date: 17 Dec 90 20:11:24 GMT
References: <4464@lib.tmc.edu>
Organization: One Man Brand
Lines: 60

jmaynard@thesis1.hsch.utexas.edu (Jay Maynard) writes:

> In article <5LDau1w163w@phoenix.com> stanley@phoenix.com (John Stanley) write
> >jmaynard@thesis1.hsch.utexas.edu (Jay Maynard) writes:
> [in reply to John's comment that he can't cross-post to news.groups]
> >> Your software is broken if it can't cross-post. I suggest you get it fixed
> >   That's a hoot. I have seen exactly the opposite opinion regarding
> >cross posting to groups not carried. Your software is broken if it

> Oh, I'm sorry. I expected that, since your site is on Usenet, that it would
> carry the groups that discuss Usenet itself - news.*. How foolish of me.

The topic was not whether carrying news.groups is good. It was about the ability to post to groups that may not exist. You make the claim that my software is broken because it will not let me post to a group it thinks is non-existant (and if it is not in the active file, it isn't). I would claim that any posting software that does not stop you from posting to a group that might not exist, and you certainly couldn't read responses from, is broken.

Argue the topic and not some sarcastic clap-trap.

> Please feel free to continue in your ignorance - after all, ignorance is
> bliss, and you certainly appear to want to avoid being unhappy.

And you miss the very next line that says I have since added news.groups. In fact, it is the major point of the next paragraph. Did you 'ignore' that? Are you blissful? Do you feel better fighting an ad-hominum war -- that is what you seem to want. You started it.

> >   I have since added news.groups. It is sort of a waste, don't you
> >think? Since every post here shows up in rec.ham-radio (or is supposed
>
> Adding news.groups wastes *nothing*, as does any crosspost.

Any article appearing in news.groups that is not cross posted uses disk space, on ANY system. Any article appearing in news.groups that is cross posted to comp.sys.amiga or rec.nude DOES waste both space and bandwidth on THIS system, as neither of these groups is carried here.

> The article is neither transmitted twice nor stored twice on disk.

At your site, cross posts are not stored twice on disk. At my site they are. You are making a blanket claim about all sites when I am making specific claims about this one. Unless you know all sites, and can convince me that my site does not behave the way I know it does, you are just plain WRONG. Take a moment and consider that not all sites are the same, and, just maybe, I am correct in saying that discussions re:rec.ham-radio take up twice the space on this system now that I have added news.groups. Would that kill you?

> ...or is this your intent - to torpedo a proposal that you
> obviously dislike in this backhanded manner?

In the same manner you try to torpedo my objections by making false claims about my system when you know nothing anything about it?

If you want to continue the ad-hominum battle you started, take it to mail.

From -1386041861123304106
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 12:23:52 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9012172023.AA13013@tilde>
Date: 17 Dec 90 20:23:52 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 34

In <vodall@hpfcso.HP.COM (Bill Vodall)> Bill asks:

(Re: Re: 10 meter rig recommendation?)

>Is it illegal to modify a rig to RECEIVE CB?
>
>Is it really illegal to modify a rig to make it capable of transmitting on the
>CB band?   There's no question that it's against the rules to transmit with
>it. Is the mere ownership of a non-type accepted CB rig illegal?

Was this tongue-in-cheek? How many more times will these same questions appear
on the net?

It is not illegal to MODIFY equipment.

It is not illegal to BUILD equipment.

It is not illegal to OWN a receiver.

It is not illegal to OWN a transmitter.

It is not illegal to TEAR UP equipment (presuming it's yours).

a license to do so; or to use transmitting equipment that has not been approved
for the particular service.

It doesn't take a lawyer to figure this out; all it takes is the ability to read
and apply common sense.

73,
Dube   N5PDK

"Why waste time learning, when ignorance is instantaneous?" _Hobbes

From 1686866341285548466
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 12:24:24 PST

Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!
sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Re: Ham licenses without Morse code -- News item
Message-ID: <1250308@hpnmdla.HP.COM>
Date: 17 Dec 90 20:24:24 GMT
References: <1990Dec14.012315.7858@zoo.toronto.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 58

In rec.ham-radio, karn@envy..bellcore.com (Phil R. Karn) writes:

>DSP filters can operate over a much wider range of bandwidths than the
>human ear/brain can. In particular, DSP filters can easily achieve bandwidths
>much smaller than the 50 Hz figure that is typical of a trained CW operator.
>This makes it possible for a DSP-based system to demodulate signals that
>aren't even detectible by ear. Examples include N4HY's demodulation of
>4 bps signals from the Soviet "Vega" balloon probe in the atmosphere of
>Venus, and the N4HY/W3IWI DSP moonbounce experiment.

People have been doing moonbounce on CW for years. My impression is that it takes pretty sophisticated (expensive) hardware to approach what a good CW operator can do. Note here I'm talking about speeds near the human optimum (10-30 wpm or so).

>No, there's nothing magic in DSP. Nor is there anything magic about the
>brain/ear combination when it comes to operating as a modem.

Throw in interference in addition to noise, and I bet the human ear can beat anything anyone short of the NSA can build for a halfways-reasonable cost. Those who have never gone beyond barely learning enough CW to pass the 5 wpm test have a misconception of what a "good" operator can do. I have had the experience of visitors to my shack being utterly astounded that I could easily copy a signal that they considered to be completely inaudible due to noise and interference.

>>For sending human-readable text at
>>slow conversational (rag-chew) speeds over narrow bandwidth channels,
>>CW is unmatched. It also has the advantage of simple, inexpensive
>>equipment.

>If by "human-readable text" you mean something that can be decoded
>directly by the human ear/brain without any extra equipment, well, even
>the best CW ops I know still require a receiver and antenna. :-)

By "human-readable", I just meant English-language straight text.
(As opposed to code groups or computer codes.)

>As for CW being the only mode that can use simple, inexpensive equipment,
>it depends on how you define those terms. Packet radio TNCs are fairly
>simple and inexpensive by my standards, inasmuch as they are usually
>smaller and cheaper than most receivers. And given the trends in digital

>vs analog electronics, I expect that the cost-effectiveness of digital
>communications equipment will continue to increase very rapidly.

A complete packet station requires 1) 2-meter (etc.) radio, 2) TNC and 3) computer or terminal. For a garden-variety AT, new synthesized radio and packet-only TNC, we're talking, what $1500-$2000? With a dumb terminal and used radio, it's still in the $300-$500 range. You can get a good-condition Johnson Viking and Heath Mohawk receiver for way (WAY) under $100! :-)

You can also build a nice direct-conversion receiver/transmitter fairly easily. Not too many folks building TNC's and 2M FM rigs from scratch.

>Phil

AL N1AL

From 3480308061187337758
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 12:27:06 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Re: Ham licenses without Morse code -- News item
Message-ID: <1250309@hpnmdla.HP.COM>
Date: 17 Dec 90 20:27:06 GMT
References: <1990Dec14.012315.7858@zoo.toronto.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 13

In rec.ham-radio, paulf@shasta.Stanford.EDU (paulf) writes:

>Most CW ops that I've heard carrying on "real" conversations operate at
>around 15 WPM. Compare that with normal human conversation at 150 WPM,
>and you can see where the "advantage" of CW comes from -- slowing down
>the information rate. I think if you were to compare a rate 1/10 PSK
>system to CW, you'd notice the difference.

Indeed, phone operators do slow down their speech when conditions are bad. But CW will still get through when voice communications is impossible.

AL N1AL

From -2560675443650038100
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public

```
X-Google-ArrivalTime: 1990-12-17 12:30:42 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-
opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Re: Ham licenses without Morse code -- News item
Message-ID: <1250310@hpnmdla.HP.COM>
Date: 17 Dec 90 20:30:42 GMT
References: <1990Dec14.012315.7858@zoo.toronto.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 12

In rec.ham-radio, mig@cunixd.cc.columbia.edu (Meir) writes:

>  Full duplex voice ("phone") is "rag-chew" at its best!  It is hardly a narrow
>bandwith setup, but can be inexpensive and compact as well (that's what modern
>technology does for you).  I don't suggest that we implement this on crowded
>HF bands but, then, rag-chew can be done on VHF, UHF, SHF... with an HT, a
>mobile, or a satellite ground station.

I agree, phone is more convenient for ragchewing.  On the other, hand, the
telephone is more convenient yet!  No jammers, for one thing.  :-)

AL N1AL


From 1083515209910724102
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ff4aeabfffa5f79
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 12:34:40 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: FCC decision on no-code license
Message-ID: <7880388@hpfcdc.HP.COM>
Date: 17 Dec 90 20:34:40 GMT
References: <7880385@hpfcdc.HP.COM>
Organization: HP Fort Collins, Co.
Lines: 4

> ...10MHz isn't available to Techs *now*.  Perhaps you meant 10 meters?

No, I meant what I wrote.  The frequency doesn't matter in the context
of the joke.  But "10 meters" does make it read better...


From -5693338682537139735
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4deb1ea5f08148fb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 12:35:18 PST
```

Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!yale!hsdndev!husc6!unix!snmp.sri.com!larson
From: larson@snmp.sri.com (Alan Larson)
Newsgroups: rec.ham-radio
Subject: Re: SHUTTLE ROBOT QSO REQUIREMENT
Keywords: ROBOT QSO POOR DESIGN
Message-ID: <19264@unix.SRI.COM>
Date: 17 Dec 90 20:35:18 GMT
References: <1990Dec14.181551@envy.bellcore.com> <4458@lib.tmc.edu> <1990Dec16.065426.24358@bellcore.bellcore.com> <4462@lib.tmc.edu>
Sender: news@unix.SRI.COM
Organization: SRI International, Menlo Park
Lines: 38

In a reply to Phil Karn's article commenting on the problems of the protocol choices of the SAREX mission, Jay Maynard replys:

>...in other words, space is for the elite, not J. Random Ham, unless he
>wants to spend limitless bucks on keeping up on the leading edge of
>technology.

The problem with the mission, as I see it, is that this was also not for J. Random Ham, but for the stations with the power and large antennas to break the pileup enough times to complete the entire protocol dance in the limited time.

Given these requirements, a non-connected sequence could have been created that reduced the number of required successes, making it more likely that the random ham would have been able to work the shuttle.

>I agree with you about this one. That we didn't hook up with MIR counts as
>a major disappointment, even more so than the fact that I wasn't heard by
>the robot. :-)

I was also disappointed that the contact with MIR didn't happen.

I was heard by the robot, and got UA frames back, but never a sequence number or disconnect. (I would have believed the publicity that said a number was good enough, and quit trying then.)

As for the related point of the rotten SSB quality to the mideast, I think part of the blame for that goes to current transceivers, which really mangle the audio. I have been told that old phasing transceivers existed that had very nice SSB audio, but I have never been fortunate enough to hear them. It may be unfair to berate the modulation method when we use it so poorly.

Alan

From 3360246325635042869
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 12:35:42 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!rutgers!sun-barr!cs.utexas.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Re: Ham licenses without Morse code -- News item
Message-ID: <1250311@hpnmdla.HP.COM>
Date: 17 Dec 90 20:35:42 GMT
References: <1990Dec14.012315.7858@zoo.toronto.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 19

In rec.ham-radio, gary@ke4zv.UUCP (Gary Coffman) writes:

>... Yet, I have had sucessful
>AMTOR contacts where I couldn't reliably tell by ear that a signal was
>present. I could see it on the TU's scope though. I believe that a good
>AMTOR setup will get through when 90% of CW operators would throw up their
>hands. And the radio equipment does not need to be any more complex than a
>modest QSK CW setup. Of course like everything else, there is good AMTOR
>equipment and bad. In general, I have not been impressed with the do
>everything boxes. An ST-6 still outperforms the builtin modems on these
>things. ...

I have used an ST-6 for old-fashioned RTTY years ago. The TTY machine would be down to essentially zero copy with a signal that would still be nearly 100% copy by ear on CW. Of course, AMTOR has error-correction, but it still has to have a mostly-correct signal for the error-correction to work.

AL N1AL

From 634997207692908613
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 12:40:13 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!know!tegra!vail
From: vail@tegra.COM (Johnathan Vail)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Message-ID: <1858@atlas.tegra.COM>
Date: 17 Dec 90 20:40:13 GMT
References: <7169@jhunix.HCF.JHU.EDU> <40074@genrad.UUCP> <41520@ut-emx.uucp> <1990Dec17.183401.23317@athena.cs.uga.edu>
Organization: Tegra-Varityper, Inc., Billerica, MA
Lines: 21

In-reply-to: mcovingt@athena.cs.uga.edu's message of 17 Dec 90 18:34:01 GMT

In article <1990Dec17.183401.23317@athena.cs.uga.edu> mcovingt@athena.cs.uga.edu
(Michael A. Covington) writes:

> The FCC gave them 2-meter privileges (after having proposed not to do so)
> precisely because of this -- they want the new Techs to be REAL hams, not
> exiled into some UHF ghetto.

Except the "UHF ghetto" is where some of us go to get away from the
"REAL hams".

> So here's my message to all the new Techs: WELCOME!

Right! For better or worse, no-code is here and it is up to us to
make the best of it.

"Please leave us here, close our eyes to the octopus ride" -- Syd Barret

```
 -----
|     | Johnathan Vail | n1dxg@tegra.com
|Tegra| (508) 663-7435 | N1DXG@448.625-(WorldNet)
 -----  jv@n1dxg.ampr.org {...sun!sunne ..uunet}!tegra!vail
```

From -2730317772402945271
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6332b867a1882fdf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 12:51:51 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!ccwf.cc.utexas.edu
From: kipper@ccwf.cc.utexas.edu (Kip Ingram)
Newsgroups: rec.ham-radio
Subject: 0.1 mW CW
Message-ID: <41547@ut-emx.uucp>
Date: 17 Dec 90 20:51:51 GMT
Sender: news@ut-emx.uucp
Reply-To: kipper@ccwf.cc.utexas.edu (Kip Ingram)
Organization: The University of Texas at Austin
Lines: 6

Hi. The poster szarek@LONEX.RADC.AF.MIL could not be found by my mailer;
I'm interested in the specific QST issue that contained information on
the CW transmitter with a NAND final.

Thanks,
Kip

From -4076522272675520107
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b39b51f887746cb6

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 12:52:39 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!Teknowledge.COM!unix!
snmp.sri.com!larson
From: larson@snmp.sri.com (Alan Larson)
Newsgroups: rec.ham-radio
Subject: Re: 10 meter rig recommendation?
Message-ID: <19267@unix.SRI.COM>
Date: 17 Dec 90 20:52:39 GMT
References: <1990Dec5.212046.11491@midway.uchicago.edu> <7500058@hpfcso.HP.COM>
<3070@naucse.cse.nau.edu> <672@ssc.UUCP>
Sender: news@unix.SRI.COM
Organization: SRI International, Menlo Park
Lines: 24

In article <672@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
-In article <3070@naucse.cse.nau.edu>, rrw@naucse.cse.nau.edu (Robert Wier)
writes:
-> :-))... This summer I made several trips between Flagstaff and
-> Fort Worth. Was driving in towards Amarillo about 9 at night
-> when I passed a van with a WB0... license plate. I have my
-> WB5... plates on. I switch on the CB and sure enough there he
-> is. We had a nice qso, although it was tough to remember not
-> to use our callsigns.

-Actually, using your ham call on 11 meters is LEGAL! The FCC doesn't
-care if or how you ID your CB station. So as long as you are running
-a type accepted radio and don't mind folks knowing who you are, go
-ahead and sign your ham call on CB.

It would logically seem so, however I have heard numerous reports
that the FCC has some rule that prohibits it. This from articles of
the activities of the LOFERS running on the 160-190 kHz range.

Alan

p.s. Ever have the urge to ID at the end of a phone call? :-)
I once watched a guy id on a test of a cassette tape recorder.

From -5329617041953680067
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9ad3d3c190b4a604
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 13:04:20 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!
hpcupt1!hprnd!hprpcd!stan
From: stan@hprpcd.rose.hp.com (Stan Witherspoon)
Newsgroups: rec.ham-radio
Subject: Re: Icom 751 control
Message-ID: <15780008@hprpcd.rose.hp.com>

Date: 17 Dec 90 21:04:20 GMT
References: <9622@b11.ingr.com>
Organization: HP, Systems Technology Div., Roseville, Ca.
Lines: 17

The December 1990 issue of QST has a short article on the protocol and hardware to talk to any ICOM radio (that has the interface) with your computer. I think it is in the Hints & Kinks section.

Stan

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~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
~  Stan Witherspoon            ~      Disclaimer      ~
~  Systems Technology Division ~~~~~~~~~~~~~~~~~~~~~~~~
~  Hewlett Packard Company     ~ These are my         ~
~  8010 Foothills Blvd.        ~ personal opinions    ~
~  Roseville Ca. 95678         ~ and do not represent ~
~  Phone: (916) 785-5071       ~ the views of anyone  ~
~  RF: N6SCE                   ~ or anything else     ~
~  Email: ucbvax!hplabs!hprpcd!stan                   ~
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
```

From 3540378975108899782
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c9d4b98d6e9b1691,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 13:22:16 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!agate!ucbvax!LONEX.RADC.AF.MIL!szarekw
From: szarekw@LONEX.RADC.AF.MIL (William J. Szarek)
Newsgroups: rec.ham-radio
Subject: Alinco 590T info
Message-ID: <9012172122.AA24732@lonexc.radc.af.mil>
Date: 17 Dec 90 21:22:16 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 46

hello I'm back with a still deeper unwinding of Alinco'
s mystry.

A while ago someone asked what does the ADD button do on the rig. I checked and found that it did nothing . . . hmmmmm

well it has one function that is useless in that it changes the bandscan function. (when used as intended).

Here is how to make it sing!

The 590 has 2 band limit memory sets 1L & 1U and 2L and 2U.

The ADD function will allow the scanning of one band limit and then the other.
Acording to the instructions the 2L & 2U pair are for 440....not true!

Example.

Enter the lowest 145Mhz repeter frequency into 1L. (see the repeter directory)
Enter the highest 145Mhz repeter frequency into 1U.
Enter the lowest 146Mhz repeter frequency into 2L.
Enter the highest 147Mhz (they run together) repeter frequency in 2U.

press F then ADD (ADD will be indicated on the display)
now initiate band scan.

the rig will now scan as follows

```
1L frequency ----> 2L frequency  ----skip----  2L frequency ---> 2U frequency
  ^                                                                  |
  |                                                                  |
   <-------------<------------<-----------<----------<---------<-----
```

Now if you couple this with the automatic offset selection that i outlined earlier you can scan ALL the repeter frequencies with out going through the simplex/cw/ssb/etc frequencies. A real neat feature when travling out of state!!!!

73 es gl
buzz
wm1w

p.s. any 590 users with problems feel free to drop me a line
szarekw@lonex.radc.af.mil
packet: wm1w @ wa2tve.ny

From 3243022745281059332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6e083d201700a733
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 112d29,6e083d201700a733
X-Google-Attributes: gid112d29,public
X-Google-ArrivalTime: 1990-12-17 13:43:36 PST
Path: gmdzi!unido!mcsun!uunet!olivea!samsung!rex!uflorida!gatech!udel!haven!ni.umd.edu!sayshell.umd.edu!louie
From: louie@sayshell.umd.edu (Louis A. Mamakos)
Newsgroups: comp.os.misc,rec.ham-radio
Subject: Re: What should a scheduler do?
Message-ID: <1990Dec17.214336.8190@ni.umd.edu>
Date: 17 Dec 90 21:43:36 GMT
References: <1990Dec06.212613.25912@ism.isc.com> <PCG.90Dec16234627@teachb.cs.aber.ac.uk>
Sender: usenet@ni.umd.edu (USENET News System)
Organization: University of Maryland, College Park

Lines: 22
Xref: gmdzi comp.os.misc:1188 rec.ham-radio:18035
Nntp-Posting-Host: sayshell.umd.edu

In article <PCG.90Dec16234627@teachb.cs.aber.ac.uk> pcg@cs.aber.ac.uk (Piercarlo Grandi) writes:
>What you want to do is essentially a network server like Mach, or user
>implemented domains like 4.2BSD (not yet implemented). Your network
>server is a (possibly multithreaded) process that takes "messages" from
              ^^^^^^^^^^^
>local processes, packs them up, and then accesses the hardware interface
>to send them over a particular medium (or viceversa of course).

Be very careful here. The KA9Q NOS software assumes that each of the tasks are run to completion, and are *NOT* timesliced. When I did the port of the NOS code to the Amiga, I investigated scrapping much of the tasking package used in NOS, and using native Amiga processes (after all, it is a multi tasking operating system on the Amiga). The problem is that there are not synchronization primitives to protect against a NOS task being interrupted before it voluntarily gives up control.

In the end, I continued to use the NOS tasker, and just ran it all as one Amiga process.

louie
WA3YMH

From -8888789635298946638
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3c731d20e6e9aa43,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 13:52:17 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: SOLAR TERRESTRIAL FORECAST AND REVIEW
Message-ID: <901217145217.238016b5@HG.ULeth.CA>
Date: 17 Dec 90 21:52:17 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 476
Posted: Mon Dec 17 13:52:17 1990

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Please Note:

The document "Understanding Solar Terrestrial Reports" was distributed over the nets earlier this week. It is hoped that those of you who requested the document received it without too many problems. If any of you failed to receive the document, you may request it from "std_oler@hg.uleth.ca". If you are unable to establish contact using this address, or if you fail to receive a reply after one week, try resending the request or locate someone who has already obtained the document. There have been some problems in getting mail from hg.uleth.ca to some of those people who have requested information.

Also, if any of you have placed the document on an anonymous FTP site, please notify std_oler@hg.uleth.ca. A public note may also be appreciated by those who have been unable to obtain the document through other routes.

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--- SOLAR TERRESTRIAL FORECAST AND REVIEW ---
December 16 to December 25, 1990

Report Based In-Part from Data Obtained from the
Space Environment Services Center
Boulder Colorado

SOLAR TERRESTRIAL REVIEW FOR 09 DECEMBER TO 15 DECEMBER.

Flare activity this week was significantly enhanced. Four major flares occurred in three days. Not since early May has more frequent major flaring been observed. The major flaring began with the eruption of a class M5.8/2B flare from Region 6398 at 07:54 UT on 10 December. This flare was significant in that strong Type II and IV radio sweeps were observed during this flare. The Type II shock speed was estimated at 1400 km/second. The interplanetary shockwave from this flare was not as significant as was first expected, but it did produce minor geomagnetic storming over high latitudes and active conditions over most middle latitudes. A sudden magnetic impulse was observed near 21:46 UT on 12 December, corresponding to the impact of the shockwave. Radio propagation conditions immediately degenerated to poor levels over high latitudes and fair to poor levels over middle and some low latitudes. Increased signal flutter, absorption, noise, and distortion as well as increased geomagnetic and auroral activity were observed for the following 12 to 15 hours. Conditions quickly improved, however, to near-normal levels approximately 18 to 24 hours after the flare effects hit and have remained at near normal levels since then.

The second major flare occurred from Region 6402 at 20:52 UT on 11 December. This flare was rated a class M6.5 x-ray flare, but only attained a very small SB (brilliant subflare) optical class. This flare was accompanied by only weak discrete radio bursts. The most severe terrestrial impact produced by this flare was a moderate intensity, moderate-duration SID/SWF which affected short wave frequencies up to 13 MHz for about 70 minutes over the sunlit portions of the earth.

The third major flare was rated a class M5.1 x-ray flare. Like the second flare, this third flare was optically weak. At its peak intensity, it was rated only a meager SF (faint subflare) optical class. The flare originated from Region 6398 at 08:03 UT on 12 December. It's only terrestrial effect was a SID/SWF.

The final major flare of the week occurred from Region 6398 on 12 December and was the most significant x-ray flare of the week. This flare attained a class M8.9 x-ray intensity at 14:10 UT, but like the other flares, only attained a weak faint sublare optical intensity. The duration of this flare was a respectable 71 minutes and was associated with a moderate intensity, moderate duration SID/SWF. This was the only significant terrestrial impact observed from this flare.

The cluster of regions which produced this weeks activity quickly rotated out of view between 12 December and 14 December. Their disappearance produced a steep decrease in the solar flux. By 14 December, the solar flux had dropped 32 points from 236 on 12 December to 204 on 14 December. This cluster of sunspot activity will begin to return near 26/27 December. Models currently suggest that the active sunspot forming regions will likely remain intact during their transit on the far side of the sun, but magnetic complexity and flaring is expected to drop before it returns near 26/27 December, barring any new developments of complex active regions in that area. M-class flaring will probably still be possible, but major flaring is not too likely. If the models are correct, a moderate to strong increase in the solar flux should accompany the return of these regions back into view between 26 and 28 December.

Since the disappearance of the active regions beyond the west limb, attention has been focused primarily on Region 6410 and 6412. Region 6410 had exhibited significant growth and increased flaring earlier this week, but has since shown signs of slight decay and decreased flare output. This region will probably begin a more rapid decay within the next 2 to 4 days. Region 6412 (which was old Region 6368 on its last rotation) is the largest system on the solar disk at the present time. It has retained a relatively complex configuration capable of producing M-class flares. A total of 45 spots are encompassed in this region, which covers an area of near 4,230 million square kilometers (1,650 million square miles). Although old Region 6368 was associated with several magnetically complex areas within it's boundary, it has degenerated and presently consists only of a type Beta magnetic configuration.

In all, there were over 17 M-class flares this week, almost all attributed to the active cluster of regions which were in the northwest solar quadrant before rotating out of view this week. Of the regions which were active, Region 6398 was the most active, producing near 50% of the flare activity observed this week. About 40% of the remaining activity was attributed to Region 6399 which showed a dramatic and intensive burst of M-class flaring on 12 December. The remaining 10% was shared by the other less-active regions on the solar disk.

This week was full of SID/SWF's. At least 14 SID/SWF's were suspected this week due to the solar flaring. Short-wave radio experienced frequent periods of degraded signal quality during these SWF periods.

No significant proton enhancements were observed, despite the increased solar activity. However, the background X-ray flux increased notably during the week to levels near class C2.1. It has since declined to levels near B9.1.

SHORT TERM SOLAR TERRESTRIAL FORECAST

Solar activity is expected to remain mostly low to moderate over the coming week. The most active regions currently on the solar disk are just passing the central meridian as of 16/17 December and will begin rotating out of view near 22 December. Region 6412, which is the most significant easterly region, will rotate out of view around mid-day on 24 December. Although M-class flaring is possible from Region 6412, no significant major flaring or increases in activity are expected, barring the appearance of any new major active centers.

Geomagnetic activity is expected to remain mostly quiet to unsettled this week. Auroral activity will likewise remain quiet and not visible. HF radio propagation conditions are expected to be normal this week, but with an increased risk for SWF's during the local daylight hours. VHF will remain normal this week with no significant opportunities for DX expected. The MUF has decreased by about 10 MHz since the early part of this week, and is expected to decrease further as the week progresses. However, widespread openings on 10 meters should remain possible throughout this week. No significant openings are expected above 50 MHz.

SUMMARY OF ALL ACTIVE REGIONS VISIBLE ON THE SOLAR DISK AS OF 17 DECEMBER

Region #	Location	LO	Area	Class	LL	Spots	Magnetic Type
6405	S16W73	103	0000	AXX	00	001	ALPHA
6409	N27W24	054	0060	HRX	01	002	ALPHA
6410	N05W18	048	1320	EAO	15	027	BETA
6412	N17E10	020	4230	FKI	18	045	BETA
6413	N23W03	033	0060	HRX	01	003	ALPHA
6415	N10W05	035	0090	CAO	04	007	BETA
6416	S06E22	008	0060	DRO	03	005	BETA

NOTES: Area is in million square kilometers. Angular extent (LL) and solar longitude (LO) are in degree's. For more information regarding the terminology used above, request the Glossary of Solar Terrestrial Terms from: "std_oler@hg.uleth.ca".

H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AS OF 24:00 UT ON 16 DECEMBER.

REGION	LOCATION	LO	COMMENTS (IF ANY)
6406	S27W71	101	NONE
6411	S24W27	057	

ACTIVE REGIONS DUE TO RETURN BETWEEN 17 AND 19 DECEMBER

Region	Latitude	Longitude (Helio.)
6394	N06	287
6379	S06	264
6396	S22	262

NOTES:

For definitions regarding the above, request the "Glossary of Solar Terrestrial Terms" from "std_oler@hg.uleth.ca".

GRAPHICAL ANALYSIS OF RECENT GEOMAGNETIC ACTIVITY - BOULDER COLORADO

```
                  Cumulative Geomagnetic Activity History
             Peak Geomagnetic Activity during the past 87 hours
     _________________________________________________________________
    |  EXTREMELY SEVERE |        |        |        |     | VERY HIGH! |
    | VERY SEVERE STORM |        |        |        |     | HIGH       |
    |      SEVERE STORM |        |        |        |     | MODERATE   |
    |       MAJOR STORM |        |        |        |     | MODERATE   |
    |       MINOR STORM |        |        |        |     | LOW        |
    |       VERY ACTIVE | *      |        |        |     | NONE - LOW |
    |            ACTIVE |***     |*       |        |   **| NONE       |
    |         UNSETTLED |*****  *|*   *   |*   *   |* ***| NONE       |
    |             QUIET |***** **|********|********|*****| NONE       |
    |        VERY QUIET |********|********|********|*****| NONE       |
    |-------------------|--------|--------|--------|-----|------------|
    | Geomagnetic Field |  Thu.  |  Fri.  |  Sat.  | Sun.|  Anomaly   |
    |    Conditions     |    Given in 3-hour intervals   | Intensity  |
    |_________________________________________________________________|
```

NOTES:

This graph ONLY depicts geomagnetic conditions observed at Boulder, Colorado for the past 87 hours. Conditions to the north of Boulder will generally have slightly higher activity than Boulder, while conditions to the south of Boulder will likely have lower activity than those depicted here. However, the plots should present a good approximate average of planetary geomagnetic conditions.

For information regarding the interpretation and/or use of these charts, send a request for the document "Understanding Solar Terrestrial Reports" to: std_oler@hg.uleth.ca.

PLANETARY 10-DAY GEOMAGNETIC ACTIVITY OUTLOOK (16 DECEMBER - 25 DECEMBER)

```
    ________________________________________________________________________
   |  EXTREMELY SEVERE |   |   |   |   |   |   |   |   |   |   | VERY HIGH! |
   | VERY SEVERE STORM |   |   |   |   |   |   |   |   |   |   | HIGH       |
   |      SEVERE STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MAJOR STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MINOR STORM |   |   |   |   |   |   |   |   |   |   | LOW        |
   |       VERY ACTIVE |   |   |   |   |   |   |   |   |   |   | NONE - LOW |
   |            ACTIVE |   |   |   |   |   |   |   |   |   |   | NONE       |
   |         UNSETTLED |   |  *|  *|   |  *|   |   |  *| **| **| NONE       |
   |             QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |        VERY QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |-------------------|---|---|---|---|---|---|---|---|---|---|------------|
   | Geomagnetic Field |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|  Anomaly   |
   |    Conditions     |       Given in 8-hour intervals       | Intensity  |
   |________________________________________________________________________|
```

NOTES:

Predicted geomagnetic activity is based heavily on recurrent phenomena. Transient energetic solar events cannot be predicted reliably over periods in excess of several days. Hence, there may be some deviations from the predictions due to the unpredictable transient solar component.

GRAPHICAL ANALYSIS OF SOLAR ACTIVITY OVER THE PAST 60 DAYS

```
                   Cumulative Graphical Analysis of
                           Solar Activity

    ------------------------------------------------------------
249|                                                            | MOD.
241|       F = Major Flare(s)                                   | MOD.
233|                                                    *FFF    | MOD.
225|                                                 ****FFF    | MOD.
217| *                            *                 *****FFF*   | MOD.
209| *                  **      ***                 *****FFF*   | MOD.
201| *                  ***    *****               F*****FFF**  | MOD.
193|**F                ******* ******             *F*****FFF*** | MOD.
186|**F*               ***************            *F*****FFF****| LOW
178|**F*               *****************         **F*****FFF****| LOW
170|**F*              ********************   * ****F*****FFF****| LOW
162|**F*** * *        *********************  ******F*****FFF****| LOW
154|**F******* **    **********************F*******F*****FFF****| LOW
146|**F**********   ***********************F*******F*****FFF****| LOW
138|**F************************************F*******F*****FFF****| LOW
    ------------------------------------------------------------
               Cumulative 60 day Solar Activity Record
                   Start Date:  October 18, 1990
```

NOTES:

Left-hand column digits represent the 10.7 cm solar radio flux obtained from Ottawa. The right-hand column describes the relative solar activity for that period based on the average number of major and minor flares that can be expected for related solar flux values. Plot lines labeled with the letter "F" represent days where at least one major flare occurred (ie. class M5 or greater flare).

GRAPHICAL 20-DAY SOLAR ACTIVITY PREDICTION

```
                           Solar Activity
```

```
 -----------------------------------------------------------------
| 250 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  \  |  |  |  |  |
| 243 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  /  |  |  |  |  |
| 236 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  \  |  |  |  |  |
| 229 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  /  |  |  |  |  |
| 223 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  \**|**|  |  |  |
| 216 |  |  |  |  |  |  |  |  |  |  |  |  |  |**|**/  |  |**|  |  |
| 209 |  |  |  |  |  |  |  |  |  |  |  |  |**|  |  \  |  |  |**|**|
| 202 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  /  |  |  |  |  |
| 195 |**|**|  |  |  |  |  |  |  |  |  |**|  |  |  \  |  |  |  |  |
| 188 |  |  |**|**|  |  |  |  |  |  |  |  |  |  |  /  |  |  |  |  |
| 181 |  |  |  |  |**|  |  |  |  |  |  |  |  |  |  \  |  |  |  |  |
| 174 |  |  |  |  |  |**|  |  |  |  |**|  |  |  |  /  |  |  |  |  |
| 168 |  |  |  |  |  |  |**|  |  |  |  |  |  |  |  \  |  |  |  |  |
| 161 |  |  |  |  |  |  |  |**|  |**|  |  |  |  |  /  |  |  |  |  |
| 154 |  |  |  |  |  |  |  |  |**|  |  |  |  |  |  \  |  |  |  |  |
| 146 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  /  |  |  |  |  |
|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--\--|--|--|--|--|
|Solar|17|18|19|20|21|22|23|24|25|26|27|28|29|30|31/01|02|03|04|05|
|Flux |               December 1990                \ January 1991 |
 -----------------------------------------------------------------
```

```
HF RADIO SIGNAL PROPAGATION PREDICTIONS (16 DECEMBER - 25 DECEMBER)

                              High Latitude Paths
                   ________________________________________________________
                  | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
                  |      VERY GOOD |   |   |   |   |   |   |   |   |   |   |
                  |           GOOD |* *|* *|* *|* *|* *|* *|* *|* *|  *|  *|
                  |           FAIR | * | * | * | * | * | * | * | * |** |** |
                  |           POOR |   |   |   |   |   |   |   |   |   |   |
                  |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
                  | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
                  |----------------|---|---|---|---|---|---|---|---|---|---|
                  |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
                  |    QUALITY     |     Given in 8-Hour UT Intervals      |
                   --------------------------------------------------------

                             Middle Latitude Paths
                   ________________________________________________________
                  | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
                  |      VERY GOOD |* *|* *|* *|* *|* *|* *|***|* *|  *|  *|
                  |           GOOD | * | * | * | * | * | * |   | * |** |** |
                  |           FAIR |   |   |   |   |   |   |   |   |   |   |
                  |           POOR |   |   |   |   |   |   |   |   |   |   |
                  |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
                  | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
                  |----------------|---|---|---|---|---|---|---|---|---|---|
                  |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
                  |    QUALITY     |     Given in 8-Hour UT Intervals      |
                   --------------------------------------------------------
```

```
                                Low Latitude Paths
            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |***|***|***|* *|* *|***|***|* *|* *|* *|
           |           GOOD |   |   |   | * | * |   |   | * | * | * |
           |           FAIR |   |   |   |   |   |   |   |   |   |   |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------

NOTES:
       High latitudes >= 55       degree's north latitude
     Middle latitudes >= 40 < 55  degree's north latitude
        Low latitudes  < 40       degree's north latitude



POTENTIAL VHF DX PROPAGATION PREDICTIONS (16 DECEMBER - 25 DECEMBER)
   INCLUDES SID AND AURORAL BACKSCATTER ENHANCEMENT PREDICTIONS

                   HIGH LATITUDES

 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals   |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   |   |   |   |   |   |   |   | 20%|*|*|*|*|*|*|*|*|*|*|
|    NORMAL|***|***|***|***|***|***|***|***|***|***| 40%| | | | | | | | | | |
|BELOW NORM|   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% |   |   |   |   |   |   |   |   |   |   | 40%| | | | | | | | | | |
|      20% |   |   |   |   |   |   |* *|* *|* *|* *| 20%| | | | | | | |*|*|*|
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals   |    |AURORAL BACKSCATTER|
|__________|________________________________________|    |___________________|


                  MIDDLE LATITUDES

 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals   |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   |   |   |   |   |   |   |   | 20%|*|*|*|*|*|*|*|*|*|*|
|    NORMAL|***|***|***|***|***|***|***|***|***|***| 40%| |*|*|*|*|*|*|*|*|*|
|BELOW NORM|   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% |   | * | * | * | * | * | * | * | * | * | 40%| | | | | | | | | | |
|      20% | **| **| **| **| **| **| **| **|***|***| 20%| | | | | | | | |*|*|
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|

                    LOW LATITUDES
 _______________________________________________        ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   |   |   |   |   |   |   |   | 20%|*|*|*|*|*|*|*|*|*|*|
|    NORMAL|***|***|***|***|***|***|***|***|***|***| 40%| |*|*|*|*|*|*|*|*|*|
|BELOW NORM|   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% | * | * | * | * | * | * | * | * | * | * | 40%| | | | | | | | | | |
|      20% | **| **| **| **| **| **| **| **| **| **| 20%| | | | | | | | | | |
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|
```

NOTES:

These VHF DX prediction charts are defined for the 50 MHz to 220 MHz bands. They are based primarily on phenomena which can affect VHF DX propagation globally. They should be used only as a guide to potential DX conditions on VHF bands. Latitudinal boundaries are the same as those for the HF predictions charts. For more information, request the document "Understanding Solar Terrestrial Reports" from: "std_oler@hg.uleth.ca".

AURORAL ACTIVITY PREDICTIONS (16 DECEMBER - 25 DECEMBER)

High Latitude Locations

```
 ________________________________________________________
| EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
|      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
|           HIGH |   |   |   |   |   |   |   |   |   |   |
|       MODERATE |   |   |   |   |   |   |   |   |   |   |
|            LOW |   |   |   |   |   |   |   | * | * |***|
|    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
|----------------|---|---|---|---|---|---|---|---|---|---|
|    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
|   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
 --------------------------------------------------------
```

```
                  Middle Latitude Locations
 ________________________________________________________
| EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
|      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
|           HIGH |   |   |   |   |   |   |   |   |   |   |
|       MODERATE |   |   |   |   |   |   |   |   |   |   |
|            LOW |   |   |   |   |   |   |   |   |   | * |
|    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
|----------------|---|---|---|---|---|---|---|---|---|---|
|    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
|   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
 --------------------------------------------------------
```

```
                     Low Latitude Locations
 ________________________________________________________
| EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
|      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
|           HIGH |   |   |   |   |   |   |   |   |   |   |
|       MODERATE |   |   |   |   |   |   |   |   |   |   |
|            LOW |   |   |   |   |   |   |   |   |   |   |
|    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
|----------------|---|---|---|---|---|---|---|---|---|---|
|    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
|   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
 --------------------------------------------------------
```

NOTE:

For more information regarding these charts, send a request for the document, "Understanding Solar Terrestrial Reports" to: std_oler@hg.uleth.ca.

** End of Report **

From -6593518269213240582
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 14:10:52 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)

Newsgroups: rec.ham-radio
Subject: Re: No-code license
Message-ID: <619@chiton.ucsd.edu>
Date: 17 Dec 90 22:10:52 GMT
References: <9012150044.AA01342@tilde> <24904@ucsd.Edu>
<1990Dec16.073847.6099@ux1.cso.uiuc.edu>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 37
Posted: Mon Dec 17 14:10:52 1990

In article <1990Dec16.073847.6099@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN) writes:

>
> Clearly the FCC doesn't care very much about taxi drivers using the
> 10 meter band, so why should you?
>

Right now only CW OP's are blown off by big sigs on 28.005,15,30 and 45 with great regularity. This weekend I was having a nice QSO with a GM in the morning when a horendous LSB station came on 28.015 with a reverb mike that sounded like the voice of GOD commanding HIS children. Then these two CB'ers started arguing about the best way to cook curried chicken. They wasted at least 10Kc of spectrum with their culinary discussion. As usual I moved off and tried to find the GM but he was probably too disgusted to continue.

For the moment this sort of thing is unknown to phone only people but I have begun to hear illegals creeping into the upper and lower portions of other bands as well. It won't be long before there will be no Amateur Radio to be enjoyed by the new no-coders with their hard earned priviledges.

A message to all who want to be able to enjoy the hobby in the future:

FIGHT LIKE HELL TO KEEP THE 30 METER BAND AND DIE IF NECESSARY TO KEEP IT CW ONLY.

A message to the more virulent no-coders out there:

IF WE GIVE YOU ALL OF THE REST OF THE SPECTRUM FOR NOTHING...WILL YOU LEAVE US ALONE ON 30 METERS?

Thank you all in advance for your civility, friendliness and patience.....

AA6PN

--
richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From -8053769998279394940
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-17 14:25:54 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9012172225.AA20661@tilde>
Date: 17 Dec 90 22:25:54 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 38

Somehow, a line got lost in my message. I've included it in brackets below:

In <vodall@hpfcso.HP.COM (Bill Vodall)> Bill asks:

(Re: Re: 10 meter rig recommendation?)

>Is it illegal to modify a rig to RECEIVE CB?
>
>Is it really illegal to modify a rig to make it capable of transmitting on the CB band?   There's no question that it's against the rules to transmit with it. Is the mere ownership of a non-type accepted CB rig illegal?

Was this tongue-in-cheek? How many more times will these same questions appear on the net?

It is not illegal to MODIFY equipment.

It is not illegal to BUILD equipment.

It is not illegal to OWN a receiver.

It is not illegal to OWN a transmitter.

It is not illegal to TEAR UP equipment (presuming it's yours).

[It is ILLEGAL to transmit on a frequency or band for which you do not have] a license to do so; or to use transmitting equipment that has not been approved for the particular service.

It doesn't take a lawyer to figure this out; all it takes is the ability to read and apply common sense.

73,
Dube   N5PDK

"Why waste time learning, when ignorance is instantaneous?" _Hobbes

From -7846885424991312462
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 08:23:40 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!snorkelwacker.mit.edu!bloom-beacon!deccrl!news.crl.dec.com!shlump.nac.dec.com!esis.enet.dec.com!magid
From: magid@esis.enet.dec.com (Joel Magid...)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Message-ID: <18320@shlump.nac.dec.com>
Date: 18 Dec 90 16:23:40 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 10

In article <45@bootsie.UUCP>, olson@bootsie.UUCP (Eric Olson) writes...
>
>Look for me on packet radio, as soon as I can swing it!
>

Here is a perfect example of a possible newcomer and his enthusiasm (sp?) to learn and get involved in the hobby.

Welcome (ahead of time) Eric.

From 6910975807756588599
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b39b51f887746cb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 08:28:29 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: 10 meter rig recommendation?
Message-ID: <776.276E7E62@w8grt.fidonet.org>
Date: 18 Dec 90 16:28:29 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 23

> From: kipper@ccwf.cc.utexas.edu (Kip Ingram)
> Date: 16 Dec 90 05:35:08 GMT
> Organization: The University of Texas at Austin
> Message-ID: <41482@ut-emx.uucp>
> Newsgroups: rec.ham-radio
>
> I don't quite understand why a ham rig modified to run CB should be
> illegal.
> Shouldn't the only requirement be that the emissions from the radio meet

> all of the legal requirements for CB emissions?

That's true now. The hangup is the FCC wants proof that it meets the specs.
Hence, certification of type acceptance.

> Also, is it legal to modify a CB to operate on 10 meter ham?

Yes, but it is NOT legal to convert it back again.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -3715429011472964873
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 08:48:01 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <777.276E7E68@w8grt.fidonet.org>
Date: 18 Dec 90 16:48:01 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 22

> From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
> Date: 17 Dec 90 00:29:39 GMT
> Organization: University of Texas Medical School at Houston
> Message-ID: <4464@lib.tmc.edu>
> Newsgroups: rec.ham-radio,news.groups
>
> Oh, I'm sorry. I expected that, since your site is on Usenet, that it
> would
> carry the groups that discuss Usenet itself - news.*. How foolish of me.
> Please feel free to continue in your ignorance - after all, ignorance is
> bliss, and you certainly appear to want to avoid being unhappy.

Chill out. Some of us pay for our line charges and connect time ourselves
rather than freloading on the taxpayers or an employer. Moreover, some of us
have as little as ten megs total disk space. Such folk are seldom inclined to
import any newsgroups they don't have a passionate interest in.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -5672437795497050377
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ec84ed4ce5708109
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 08:56:10 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!hplabs!hpda!hpcuha!jimallen
From: jimallen@hpcuha.cup.hp.com (Jim Allen)
Newsgroups: rec.ham-radio
Subject: Re: Vintage equip restoration question
Message-ID: <32700004@hpcuha.cup.hp.com>
Date: 18 Dec 90 16:56:10 GMT
References: <136@decabo.enet.dec.com>
Organization: Hewlett Packard, Cupertino
Lines: 8

The only way to "gloss" the finish to
it's original finish is to repaint.
You can, however, use Armorall (spelling?).
It's the stuff that you put on your dash
and tires on your car. Turtle Wax also
makes a similar product. You have to
repeat the treatment every 2 or 3 months
to keep it looking good.

From 4108706215146395288
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f9532,392da87d2233ff24,start
X-Google-Attributes: gidf9532,public
X-Google-Thread: 10c9e3,392da87d2233ff24,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,392da87d2233ff24,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 105d97,392da87d2233ff24,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-18 09:04:24 PST
Xref: utzoo misc.wanted:12618 sci.electronics:16357 rec.ham-radio.swap:1588 rec.ham-radio:28391
Path: utzoo!utgpu!news-server.csri.toronto.edu!rutgers!usc!zaphod.mps.ohio-state.edu!swrinde!elroy.jpl.nasa.gov!ncar!ames!vsi1!teda!ardai
From: ardai@teda.UUCP (Mike Ardai)
Newsgroups: misc.wanted,sci.electronics,rec.ham-radio.swap,rec.ham-radio
Subject: Re: Electronics surplus in Boston; info wanted
Message-ID: <18253@teda.UUCP>
Date: 18 Dec 90 17:04:24 GMT
References: <12169@pucc.Princeton.EDU>
Followup-To: misc.wanted
Distribution: usa
Organization: Teradyne EDA, Inc.
Lines: 15

In article <12169@pucc.Princeton.EDU> VANROOJE@pucc.Princeton.EDU writes:
>I'll be visiting Boston after Christmas, and would like information on good

```
>electronics surplus outlets up there.  I'm particularly interested in the
>sort of place that would have parts for older tube-type equipment, audio output
>transformers, and the like.  Thanks in advance for any info.   - MvR

Try ELI Heffron and Sons in Cambridge (138 Hampshire (I think)).  They have
all sorts of components, computer bits, test equipment and similar stuff.
Not that much audio gear, but you never know what you may find.
/mike

--
\|/  Michael L. Ardai   Teradyne EDA East
--- ------------------------------------------------------------------------
/|\  ...!sun!teda!ardai (preferred)  or ardai@bu-pub.bu.edu


From 1737191847583709734
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 09:06:09 PST
Path: gmdzi!unido!mcsun!uunet!samsung!news.cs.indiana.edu!rutgers!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Keywords: NoCode
Message-ID: <624@chiton.ucsd.edu>
Date: 18 Dec 90 17:06:09 GMT
References: <41520@ut-emx.uucp> <1990Dec17.161526.5276@ni.umd.edu>
<620@chiton.ucsd.edu> <36@shasta.Stanford.EDU>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 28

In article <36@shasta.Stanford.EDU> paulf@shasta.Stanford.EDU (paulf) writes:
>In article <620@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
>>CW "operating" has made sure that new Amateurs learned good operating practices
>>along with the fundamental traditions of friendliness and civility.
>
>Sure it has.  That's why most of the ARF and BARF people have licenses
>requiring 13 WPM or better, right?

Those guys don't OPERATE CW. Anybody can pass the code test with tapes etc.
I should have said "use to" teach good operating practices as too many hams
today just pass the test and then start shouting into a mike.

>My education in "good operating practice" and "friendliness and civility" came
>from working rural 2m FM, and from working SSB DX (not pileups, but the real
>thing), as well as ARES work.  All voice.

You said the magic word.. RURAL. I too got my first license in rural NH. When I
moved to the big city I was appalled by what I heard on 2M.

Further, virtually  all DX you will talk to on the bands will be experienced
```

CW operators. Just ask them and ponder their answers.

AA6PN

--
richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From -1849697769040112134
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b39b51f887746cb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 09:10:23 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!pacbell.com!tandem!netcom!edg
From: edg@netcom.UUCP (Edward Greenberg)
Newsgroups: rec.ham-radio
Subject: Re: 10 meter rig recommendation?
Message-ID: <19036@netcom.UUCP>
Date: 18 Dec 90 17:10:23 GMT
References: <3070@naucse.cse.nau.edu> <672@ssc.UUCP> <19267@unix.SRI.COM>
Organization: Netcom- The Bay Area's Public Access Unix System {408 241-9760 guest}
Lines: 10

In article <19267@unix.SRI.COM> larson@snmp.sri.com (Alan Larson) writes:
>p.s. Ever have the urge to ID at the end of a phone call? :-)
> I once watched a guy id on a test of a cassette tape recorder.

My company has twelve commercial 450 MHz HT's. The urge to ID is overwhelming.
--
Ed Greenberg   WB2GOH/6
edg@netcom   {amdahl | amdcad | apple}!netcom!edg
CompuServe: 76703,1070   Packet Radio: WB2GOH @ N6LDL.CA.USA.NA

From 4643789770217592088
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 09:11:52 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: No-code license
Message-ID: <625@chiton.ucsd.edu>
Date: 18 Dec 90 17:11:52 GMT
References: <9012150044.AA01342@tilde> <24904@ucsd.Edu> <1990Dec16.073847.6099@ux1.cso.uiuc.edu> <619@chiton.ucsd.edu> <1990Dec18.025524.11380@ux1.cso.uiuc.edu>

Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 16

In article <1990Dec18.025524.11380@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN) writes:
>
>I will make a counter offer. Help us make sure we get to keep the VHF and
>above bands and we will help you make sure we get to keep the HF and below
>bands.

Deal.

AA6PN

--
richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From -5121950715624238963
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab4a5a9336224655
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 09:13:37 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: New Code-free Technician class license
Message-ID: <778.276E7E6F@w8grt.fidonet.org>
Date: 18 Dec 90 17:13:37 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 17

> From: Pete_Simpson@dgc.ceo
> Date: 17 Dec 90 13:51:34 GMT
> Organization: The Internet
> Message-ID: <9012171351.AA00050@rtp40.dg.com>
> Newsgroups: rec.ham-radio
>
> I suspect that the FCC's recent creation of a code-free entry class
> license will be the cause of much debate in this newsgroup over the
> next few months (years?).

Just get back from Saturn???? [:-)

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs

INTERNET: jim.grubs@w8grt.fidonet.org

From 2192061019119756384
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9121cf317f45ce83
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 09:13:45 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew - help wanted
Message-ID: <1679@ke4zv.UUCP>
Date: 18 Dec 90 17:13:45 GMT
References: <1792JKOSS00@RICEVM1>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 41

In article <1792JKOSS00@RICEVM1> JKOSS00@RICEVM1.BITNET (Jordan Kossack) writes:
>
>Howdy
>
>I was wondering if anyone knew where I might find a ckt diagram
>or plans for a homebrew 2m FM rig. I mainly would like to build
>something to use a local repeater, so it should be able to do a
>rcv/xmt shift and put out at least 5W running off 12V. Rock bound
>is fine, since I just need to hit the one machine, but I wouldn't
>complain if it was tunable - as long as it is stable, since the
>rig is meant for mobile operation. I want to do this because I
>need a knock-around rig for the car (using the HT mobile is a
>pain) and because I like the smell of solder. However, if this
>would be too expensive, I'll probably pick up an old rock bound
>mobile rig at a swap meet instead.
>
>I would prefer sources you know have such a circuit rather than
>'I think X might have something like that.' I looked in my copy
>of the ARRL Handbook and all the 2M stuff seems to be transverters
>for an HF rig. Does anyone know if the 1991 Handbook has anything
>new in this area?
>
>Please reply via e-mail. I _DO_ read this newsgroup, but I don't
>know if this subject has a wide appeal. If you think it does ...
>   ---

Yep, I think this one is more interesting than the pizza wars. :-)
I'd like to hear some comments on scratch built VHF+ radios. Personally,
I would take a look at the kits put out by Hamtronics and Ramsey. They
are inexpensive and at least the new Hamtronics stuff works really well.
I haven't actually seen one of the new Ramsey 2 meter symthesized tranceiver
kits, but it sounds good in the ad. Circuit layout is not trivial at VHF+
and having a proven circuit board as a starting point is a big help.

If you really want to scratch build a proven design, check out "VHF-UHF Manual" by Evans and Jessop. This is an RSGB publication that has detailed designs for 2 meter transmit and receive strips that look fairly easy to build. The "Manual" is available from the Ham Radio Bookstore. This book is highly recomended for the bookshelf of any RF hacker.

Gary KE4ZV

From -7835407948671827071
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14dea14a97cfa2cc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 09:25:34 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!jarthur!elroy.jpl.nasa.gov!ames!haven!decuac!shlump.nac.dec.com!esis.enet.dec.com!magid
From: magid@esis.enet.dec.com (Joel Magid...)
Newsgroups: rec.ham-radio
Subject: Did the FCC go Far enough this time .....
Summary: Change in elements 1B and 1C
Message-ID: <18323@shlump.nac.dec.com>
Date: 18 Dec 90 17:25:34 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 19
Keywords:Code, nocode, technician

I wonder with all of the recent changes (technician and disability waiver) if the FCC has really gone far enough ?

1. Wouldn't it have been nice to see the FCC change the requirements for elements 1B and 1C to something like the following:

   1A code @ 5WPM
   1B computer operations (basic understanding)
   1C computer   "   and theory (advanced)

2. The above would have conformed to the ITU regs and it would also have eliminated the need for the code waiver for the handicapped.

3. More important though it would help to a large degree advance the state of the skills used in the hobby and may have encouraged even more young computer oriented people to jump in.

4. RM ---- xxxxxx (do I hear a request for rule making)

From -8974972183794637886
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,54131078de5c12d9
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-12-18 09:28:12 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: W.W.II
Message-ID: <779.276E7E75@w8grt.fidonet.org>
Date: 18 Dec 90 17:28:12 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 33

> From: saaf@joker.optics.rochester.edu (Lennart Saaf)
> Date: 17 Dec 90 15:04:21 GMT
> Organization: The Institute of Optics, University of Rochester
> Message-ID: <SAAF.90Dec17100421@joker.optics.rochester.edu>
> Newsgroups: rec.ham-radio
>
> In article <18215@shlump.nac.dec.com> pierson@ggone.enet.dec.com (Dave
> Pierson) writes:
>
> The advertising section in the back had a lot of war-effort rah-rah,
> ususally depicting a pennant with an "E", referred to as the Army/Navy
> E. I assume that was a citation for contributing to the war effeort,
> right?

It was an award for "Excellence" in contributing to the war-effort.

"Rah-rah"??? Do I detect a little cynicism here? As a kid, I collected milkweed pods for fliers' life jackets, collected rubber and scrap metal, and bought War bonds and savings stamps.

I also watched my church's service flag stars turn from blue to gold one by one and wondering if the 3rd star in the fourth row (my brother's) was someday going to be one of them. My brother's star stayed blue, but 8 out of 34 didn't.

So, my friend, be careful how you speak of a time when people still cared about more than their own amusement. "Rah-rah", indeed. [:-(

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 4961326559138244927
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,819cae6b311218cc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 09:33:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!JHUVMS.HCF.JHU.EDU!ALF
From: ALF@JHUVMS.HCF.JHU.EDU (CATHRYN)
Newsgroups: rec.ham-radio

```
Subject: Re: Info-Hams Digest V90 #535
Message-ID: <EA0AAF4DDB3FC03366@JHUVMS.BITNET>
Date: 18 Dec 90 17:33:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10

please unsubscribe me to this group.  Someone broke into my account and
subscribed me to this group with that personal name
         ALF
<------------------------------------------------------------------------------>
Amie L. Flexner          |     "Let the earth rejoice
                         |     Let the sea roar
ALF@Jhuvms.BITNET        |     Let people unite
ALF@jhunix.hcf.jhu.edu   |     Let people unite!!!!"
ALF@jhuvm.BITNET         |
(301) 338-5935           |    the chorus of a song by Beged Kefet


From -3115431813965105032
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab4a5a9336224655
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 10:17:26 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!hubcap!bjb
From: bjb@hubcap.clemson.edu (BJ Backitis)
Newsgroups: rec.ham-radio
Subject: Re: New Code-free Technician class license
Message-ID: <12331@hubcap.clemson.edu>
Date: 18 Dec 90 18:17:26 GMT
References: <40089@genrad.UUCP>
Organization: Clemson University, Clemson, SC
Lines: 44

From article <40089@genrad.UUCP>, by dls@genrad.com (Diana L. Syriac):
> In article <9012171351.AA00050@rtp40.dg.com> Pete_Simpson@dgc.ceo writes:
>>I suspect that the FCC's recent creation of a code-free entry class
>>license will be the cause of much debate in this newsgroup over the
>>next few months (years?). In any case, the deed has been done and
>>it's up to us experienced hams to welcome the new licensees
>
> I wholeheartedly agree with this philosophy and hope that all the other
> hams and OFs out there will do all that's necessary to WELCOME these new
> hams and show them the ropes.  This is the only way they will become
> familiar with CORRECT procedures so that they don't try to invent their
> own.  Come on, all you people who wanted no-code.  Now's your chance!


Amen!


For one thing, I think it will have a very positive influence at the
college/university level.  I know in my experience with the ARC here
```

at Clemson, we have always had trouble getting students to worry about code AND theory when there was other unimportant thing taking up their time (like classes, homework, projects, football games, etc). It was always the code practice that seemed to be the thing that made people give up... the theory was never that difficult.

Now, with the code out of the way, they will be able to get a license and experience what ham radio has to offer. Then, hopefully, when the time and resources match the expectations, there will be enough good feelings about ham radio as a whole for them to want to learn code. It's almost like selling software... you have to show a demo, and let people try it for themselves. Perhaps this new no-code license will let people try ham radio and see what it has to offer.

And if all they see are a bunch of other hams expecting them to be a bunch of lids, well....

73 de BJ, KM4RB

```
 BJ Backitis (KM4RB)       | BJB@CLEMSON.BITNET     | "Help!!!!!! I've
 Info. Systems Development | BJB@HUBCAP.CLEMSON.EDU |  fallen... and I
 Clemson Univ. Division of | {...}!emory!hubcap!bjb |  can't get up!!!"
 Comp. & Info. Technology  | All usual disclaimers  |
```

From 8106854363164102266
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b58523ec73eb5924,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,b58523ec73eb5924,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-12-18 10:24:31 PST
Path: gmdzi!unido!mcsun!ukc!strath-cs!aiml
From: aiml@cs.strath.ac.uk (Alan Laird)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Advice sought on UK to Japan communication
Message-ID: <5305@baird.cs.strath.ac.uk>
Date: 18 Dec 90 18:24:31 GMT
Sender: news@cs.strath.ac.uk
Reply-To: aiml@cs.strath.ac.uk (Alan Laird)
Organization: Comp. Sci. Dept., Strathclyde Univ., Scotland.
Lines: 22
Xref: gmdzi rec.radio.shortwave:3169 rec.ham-radio:18108
Nntp-Posting-Host: maxwell

I wonder if someone could advise me on the feasability of using shortwave to communicate with a friend of mine whilst he is working at sea.

He will probably be sailing out of Japan to Brueni (sp?).

Is it possible to reach that part of the world from the UK ?
At all ? Regularly ? If so, what sort of kit would be best
(which band, output power etc.).

I am new to the world of shortwave broadcasting so please
keep the TLA's to a minimum.
Many thanks.

- Alan

///
Alan I M Laird,   Department of Computer Science,
University of Strathclyde,   Glasgow G1 1XH,   UK.
aiml@uk.ac.strath.cs, 041 552 4400 x3081, 0836 320786
`Have Space Suit, Will Travel'
///

From -8975851370631671811
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,822014fa21599fe2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 10:27:08 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: Name of new TECHNICIAN LICENSE
Message-ID: <58130005@hpcupt1.cup.hp.com>
Date: 18 Dec 90 18:27:08 GMT
References: <1990Dec17.232725.23542@cbnewsj.att.com>
Organization: Hewlett Packard, Cupertino
Lines: 6

This is a most 'wonderful' way of welcoming the new-commers to ham radio.
Perhaps we should insist that they sit in the back at club meetings, that
is if we let them in the meeting in the first place. Pray tell what is
wrong with the name TECHNICIAN? What is so great about element 1A that
makes the person that passed it better than one that did not? It is
stupid, bigoted atitudes like this that turn people off on the hobby.

From 2426153947025865159
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 10:28:20 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!ux1.cso.uiuc.edu!csrd.uiuc.edu!s30.csrd.uiuc.edu!look
From: look@s30.csrd.uiuc.edu (Stephen Look)
Newsgroups: rec.ham-radio
Subject: Re: Re: Ham licenses without Morse code -- News item
Message-ID: <1990Dec18.182820.986@csrd.uiuc.edu>

Date: 18 Dec 90 18:28:20 GMT
References: <1990Dec14.012315.7858@zoo.toronto.edu> <1250308@hpnmdla.HP.COM>
Sender: news@csrd.uiuc.edu (news)
Organization: UIUC Center for Supercomputing Research & Development
Lines: 26

In article <1250308@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>
     [lots deleted]
>
>A complete packet station requires 1) 2-meter (etc.) radio, 2) TNC and
>3) computer or terminal. For a garden-variety AT, new synthesized radio
>and packet-only TNC, we're talking, what $1500-$2000? With a dumb terminal
>and used radio, it's still in the $300-$500 range. You can get a
>good-condition Johnson Viking and Heath Mohawk receiver for way (WAY)
>under $100! :-)
>
-OR-
you can get a used rock-bound HR-2B for $30, a HD4040 for $30 and use that
VIC20 with a homemade terminal program that you just had laying around!
Looks like about $60 to me.
You don't NEED to spend money on new stuff for packet or any other mode.
>
>
>AL N1AL

--
Steve Look   ka9szw   Center for Supercomputing R & D
look@s30.csrd.uiuc.edu   305 Talbot Lab 104 S. Wright
(217) 244-5980   Urbana, IL 61801
        "No, we don't have any CRAYs here, they are down the street..."

From -4954393779320233253
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 10:29:34 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!lll-winken!unixhub!shelby!paulf@shasta.Stanford.EDU
From: paulf@shasta.Stanford.EDU (paulf)
Newsgroups: rec.ham-radio
Subject: Re: Re: Ham licenses without Morse code -- News item
Message-ID: <38@shasta.Stanford.EDU>
Date: 18 Dec 90 18:29:34 GMT
References: <1990Dec14.012315.7858@zoo.toronto.edu> <1250308@hpnmdla.HP.COM>
Organization: The Three Packeteers
Lines: 49

In article <1250308@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>People have been doing moonbounce on CW for years. My impression is that
>it takes pretty sophisticated (expensive) hardware to approach what a

> good CW operator can do. Note here I'm talking about speeds near the human optimum (10-30 wpm or so).

Oops. You forgot the cost of the Kilowatt amplifier and the rack of antennas. The DSP moonbounce experiment required far less EIRP than your typical CW bounce station. Frankly, a used PC with a DSP board is less than half the cost of a used KW.

> Throw in interference in addition to noise, and I bet the human ear can beat anything anyone short of the NSA can build for a halfways-reasonable cost.

As a matter of fact, spread spectrum techniques do far better against "interference" than noise. I can build SS systems for a normal SSB rig that you'd have one heck of a time detecting with the naked ear (and given the data rates, they'd be very cheap).

> Those who have never gone beyond barely learning enough CW to pass the 5 wpm test have a misconception of what a "good" operator can do.

Phil, Bob and myself are all beyond the 5 WPM stage.

> I have had the experience of visitors to my shack being utterly astounded that I could easily copy a signal that they considered to be completely inaudible due to noise and interference.

I've had similar experiences on sideband. "How did you hear that"? Yeah, I'll take a well trained op any day over your typical 2m jawjammer, but I know I'll never be as good as the machines.

> A complete packet station requires 1) 2-meter (etc.) radio, 2) TNC and 3) computer or terminal. For a garden-variety AT, new synthesized radio and packet-only TNC, we're talking, what $1500-$2000? With a dumb terminal and used radio, it's still in the $300-$500 range. You can get a good-condition Johnson Viking and Heath Mohawk receiver for way (WAY) under $100! :-)

An interesting Apples - Oranges comparison. Comparing new equipment to used. And an AT at that -- which can be used for far more useful purposes than the Viking.

A used TNC can be had for about $50. A used rockbound VHF radio can be had for $30. A used terminal can be found for $20. $100.

-=Paul Flaherty, N9FZX | Without KILL files,
->paulf@shasta.Stanford.EDU | life itself would be impossible.

From -7527720242557232584
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0c54d597d79c632
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 10:30:07 PST

Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: Codeless Tech License
Keywords: FCC announcement
Message-ID: <47468@apple.Apple.COM>
Date: 18 Dec 90 18:30:07 GMT
References: <661@ssc.UUCP> <1990Dec17.032209.28141@ux1.cso.uiuc.edu> <675@ssc.UUCP>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 37

tad@ssc.UUCP (Tad Cook) writes:

>How many of your friends who are interested in DSP, networking,
>etc (NOT just in yakking on 2 FM) are planning to get their Tech
>come February 15?

You will be surprised, Tad, at how much latent interest there is in Ham radio around the hi-tech spots, with Morse code being the main hinderance up till now.

A colleague who was studying Morse has now stopped and is simply waiting for February to roll around. A friend in another company who tried hard and gave up on Morse about a year ago has asked me to wake him as soon as an exam session is available. These are EEs who are as likely to homebrew as they are to yakking on 2m with a storebought HT. Hey, these guys think the written tests are at best a joke :-) It was situations like these that made me get off my buns and write in to the FCC earlier (never lobbied any govermental organization, for any cause, *ever,* before that).

There are also those who are more likely to just yak on 2m. A tech in my group now wants a license (and he had to do Morse in the Navy - but swore never to touch the key again). A project manager whose XYL is a Ham now wants his license.

A portion of these folks will eventually learn Morse for the fun of it or to be able to get on HF. Both the EEs have confessed that to me. Technical folks who work with multi-megabit-per-second data links in their daily work activity are sometimes too proud to *have* to learn a mode of communications where you manually micro-manage the makes and breaks of electrical contacts.

73,

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From -910026268161983985
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,35d3e60cb0b10693
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 10:30:29 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!dataio!gtenmc!kays
From: kays@gtenmc.UUCP (Eugene D. Kays)
Newsgroups: rec.ham-radio
Subject: Re: 10 meter rig recommendation?
Message-ID: <1013@gtenmc.UUCP>
Date: 18 Dec 90 18:30:29 GMT
References: <1990Dec5.212046.11491@midway.uchicago.edu> <7500065@hpfcso.HP.COM>
Reply-To: kays@gtenmc.UUCP (Eugene D. Kays)
Organization: GTE Telecom, Inc. Bothell, WA
Lines: 14

Is it unlawful to modify a ham rig to receive CB? I think not .....
The 11 meter band is available on many ham rigs with general coverage
receivers. ie : 0-30Mhz Icoms, Kenwoods, Yaesu do not block 27-28 Mhz.

As pointed out by others, transmitters for CB require type acceptance
certificates.

Gene Kays - KA5ALN
Systems Engineer
GTE Telecom
Bothell WA
206-487-8466

From 2850328779474270224
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,822014fa21599fe2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 10:35:07 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!att!emory!samsung!sdd.hp.com!hplabs!hpda!
hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: Name of new TECHNICIAN LICENSE
Message-ID: <58130006@hpcupt1.cup.hp.com>
Date: 18 Dec 90 18:35:07 GMT
References: <1990Dec17.232725.23542@cbnewsj.att.com>
Organization: Hewlett Packard, Cupertino
Lines: 18

Decided I was not done. By the way what is your license class? I see you
did not sign your note with you call. Perhaps you are only a TECHNICIAN.
In that case I am better than you and get to sit in the front. I have
a Extra class license. Guess what, I passed element 1c, but I will call
them TECHNICIANS or TECH for short. As many people have pointed out and
it is quite true, 98% of this hobby can be enjoyed WITHOUT knowledge of
CW, so why adopt a better-than-thou attitude because someone did not

demonstrate a barely literate ability of CW? And that is about it.

THEY ARE TECHNICIANS - PERIOD!

Are we going to discriminate against the present techs because they did
not pass the old general exam? Thay has never been a point of discussion.

$flame mode off$

Jim, WA6SDM
jholly@hpcupt1.cup.hp.com

From -7842995016355098176
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 10:45:01 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!rpi!luigi
From: luigi@aix02.aix.rpi.edu (John L Luigi Giasi)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Keywords: NoCode
Message-ID: <$2J^M|#@rpi.edu>
Date: 18 Dec 90 18:45:01 GMT
References: <41520@ut-emx.uucp> <1990Dec17.161526.5276@ni.umd.edu>
<620@chiton.ucsd.edu> <36@shasta.Stanford.EDU> <624@chiton.ucsd.edu>
Organization: Rensselaer Polytechnic Institute, Troy NY
Lines: 27
Nntp-Posting-Host: aix02.aix.rpi.edu

In article <624@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
>
>Further, virtually all DX you will talk to on the bands will be experienced
>CW operators. Just ask them and ponder their answers.
>
>   AA6PN
Then again it depends on your definition of DX. I consider Chicago to
be DX, on 2304, of course.

Rich, thats not the central issue, CW is FINE for HF DXing, it's even required
for keeping microwave work simple and practical. I don't see what you are
complaining about, the HF bands will see NO CHANGE from this!!!!
Unless some of the new Techs DARE to invade your bands after learning the
code from (oh my GOD!!) tapes.
The upgrade path hasn't changed, to get use of the majority of HF privs,
you will continue to need 2,3a,3b and at least 1b.
To get ANY HF privs you still need to pass 1a!! You should be thrilled,
the VHF/UHF/micro group should be thrilled as they can bring in technically
competant people to all upper bands right away.
I mean, I do think parts of the new legislation are silly (like this valid forever
CSCE stuff for 1a) but hey thats life.
The worst part about this nocode liscence is that it has turned most of those

```
hold present (read:CW required) liscences into raving, argueing, crying LIDS.
(Come to think of it, I've just added fuel to the fire, boy can I screw up:-)

Luigi Giasi, KA1UTU, luigi@rpi.edu
President W2SZ, Rensselaer Polytechnic Institute ARC
KA1UTU@WA2UMX


From -5747093807938380685
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f551e79c858d1b8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 10:48:01 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!
elroy.jpl.nasa.gov!ncar!gatech!purdue!haven!wam!rustyh
From: rustyh@wam.umd.edu (Rusty Haddock)
Newsgroups: rec.ham-radio
Subject: Re: W.W.II
Message-ID: <1990Dec18.184801.3349@wam.umd.edu>
Date: 18 Dec 90 18:48:01 GMT
References: <18138@shlump.nac.dec.com>
Sender: usenet@wam.umd.edu (USENET Posting)
Reply-To: rustyh@wam.umd.edu (Rusty Haddock)
Organization: University of Maryland at College Park
Lines: 20

In article <18138@shlump.nac.dec.com> goldstein@delni.enet.dec.com (Fred R.
Goldstein) writes:
>
>In article <9012082234.AA00761@ucsd.edu>, PERRYR@WABASH.BITNET (GWYFFD) writes...
>Did every amateur station in the country go
>>into mothballs "for the duration" ?
>
>In a word, YES.

It's interesting that before the war (sometime around 1937) the War Ministary
(British) requested the RSGB not to publish letters in "Radio Communication"
regarding interference on 10 metres.  The "Chain Home" RDF (later RADAR)
operated around 30 MHz!

The "woodpecker's" grandfather was Watson Watt!!

--
Michael Katzmann            VK2BEA / G4NYV / NV3Z
Broadcast Sports Technology
2135 Espey Ct. #4
Crofton MD 21114-2442    (301) 721-5151      ...uunet!opel!vk2bea!michael


From 128758956201814137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5c7f70ec12eeea7d
X-Google-Attributes: gid10c9e3,public
```

```
X-Google-ArrivalTime: 1990-12-18 10:57:24 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!
elroy.jpl.nasa.gov!ncar!gatech!purdue!haven!wam!rustyh
From: rustyh@wam.umd.edu (Rusty Haddock)
Newsgroups: rec.ham-radio
Subject: Re: UK-->US ham license
Message-ID: <1990Dec18.185724.3518@wam.umd.edu>
Date: 18 Dec 90 18:57:24 GMT
References: <34435@netnews.upenn.edu> <12280030@hpspdra.HP.COM>
<1990Dec13.162450.16530@porthos.cc.bellcore.com> <291@bongo.UUCP>
Sender: usenet@wam.umd.edu (USENET Posting)
Organization: University of Maryland at College Park
Lines: 23

In article <291@bongo.UUCP> julian@bongo.info.com (Julian Macassey) writes:
>In article <1990Dec13.162450.16530@porthos.cc.bellcore.com> martin@cellar.UUCP
(Martin Harriss (ACP)) writes:
>>In article <12280030@hpspdra.HP.COM> henryb@hpspdra.HP.COM (Henry Black) writes:
>>Does one still pay anually in the UK?  How much is it now?
>>
>    Yes, annually and it's 12 quid. But they do send a new copy of the
>regs each year included in the fee - Now if they threw in the
>callbook, it would be a better deal.

The 12 pounds is not that bad (about the same as my Aussie licence) and
with a UK licence you can operate throughout Europe (CEPT countries) when
you visit.  What kills me is that I end up paying about twice that rate
because the banks charge so much for the international bank draft!
When I was in Oz the bank charged about $3, here in the US its more than $20!
Does anyone know a better way to do it?  Is it possible to do GIRO transfers
from a US Bank? Is it cheaper?



--
Michael Katzmann            vk2bea / g4nyv / nv3z
Broadcast Sports Technology
2135 Espey Ct. #4
Crofton MD 21114-2442    (301) 721-5151      ...uunet!opel!vk2bea!michael


From 723389960481030725
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 11:03:37 PST
Path: gmdzi!unido!mcsun!uunet!samsung!dali.cs.montana.edu!masscomp!ocpt!tsdiag!
davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Summary: I disagree
Message-ID: <1256@tsdiag.ccur.com>
Date: 18 Dec 90 19:03:37 GMT
```

References: <9012172023.AA13013@tilde>
Organization: CONCURRENT,ENG. SERVICES,OCEANPORT NJ
Lines: 67

In article 28281 of rec.ham-radio Dube writes:

>It is not illegal to MODIFY equipment.
See below.
>It is not illegal to BUILD equipment.
For just about any other service, yes it is.
>It is not illegal to OWN a receiver.
For cellular phone without a service contract? Yes it is!
For 10.525/24 GHz in Ct, Va, and Dc, yes it is!
>It is not illegal to OWN a transmitter.
>It is not illegal to TEAR UP equipment (presuming it's yours).
>
>It doesn't take a lawyer to figure this out; all it takes is the ability to read
>and apply common sense.

Perhaps you should apply a bit of your own wisdom to yourself.

Regarding the CB service and modifying radios:

Title 47, Part 95

95.425 (CB Rule 25) May I make any changes to my CB station transmitter?

(a) You must not make or have any one else make any internal modification
to your CB transmitter.

further:

95.424 (CB rule 24) How do I have my CB station transmitter serviced?

(b) ... internal repairs or internal adjustments should be performed by
or under the immediate supervision and responsibility of a person
certified as technically qualified to perform transmitter maintenance
and repair duties in the private land mobile services and fixed services
by an organization or committee representative of users in those services.

For the Private land mobile radio services:

90.427 Precautions against unauthorized operation.

(b) ... no person shall program into a transmitter frequencies for which
the licensee using the transmitter is not authorized.

For the Aviation services:

```
87.73 Transmitter adjustments and tests.
      A general radiotelephone operator must directly supervise and be
      responsible for all transmitter adjustments or tests during install-
      ation, servicing, or maintenance of a radio station. A general radio-
      telephone operator must be responsible for the proper functioning of the
      station equipment.

I have read parts 0-19 and 80-97 exhaustively. I don't claim to remember
everything I've read, but I sure remember that your above generalizations
are not always true.  The above references were gleaned from the regs by
quickly glancing at the indexes of the individual parts.  Please read the
regs for other services before you arrogantly generalize and patronize other
readers of rec.ham-radio.
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z


From 1994338701819025931
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a8d6d2c2482b442
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 11:11:32 PST
Path: gmdzi!unido!mcsun!uunet!motcid!froula
From: froula@motcid.UUCP (Don Froula)
Newsgroups: rec.ham-radio
Subject: Re: CMOS Super Keyer II, 11/90 QST
Message-ID: <4565@apricot29.UUCP>
Date: 18 Dec 90 19:11:32 GMT
References: <4538@apricot29.UUCP> <4140030@hpnjld.HP.COM>
Organization: Motorola Inc., Cellular Infrastructure Div., Arlington Heights, IL
Lines: 17

eyg@hpnjld.HP.COM (Ed Gilbert) writes:

>>One thing about this keyer which is neither in the manual nor the QST
>>article is that it uses what Curtis Electro Devices (maker of the 8044
>>keyer chip) calls "B" timing.  This characteristic automatically adds a
>>character of the opposite kind when the paddle is released.

>Could you explain this a little more clearly?  What is a character of
>the opposite kind?  Thanks.

>                            Ed Gilbert, WA2SRQ


Sure!  When both paddles are squeezed, the keyer will make a repeating
di-dah-di-dah-di-dah, etc.  If the paddle are simultaneously released
during a dah, a di will be inserted.  If the paddles are simultaneously
released during a di, a dah will be added.  This is "B" timing.
```

From -2698560402063510464
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6eb4f8934a7bfda8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 11:38:05 PST
Path: gmdzi!unido!ira.uka.de!fauern!lan!buettneb
From: buettneb@lan.informatik.tu-muenchen.dbp.de (Bernhard Buettner)
Newsgroups: rec.ham-radio
Subject: CT users: Can you help with MASTER.LIS?
Message-ID: <6108@tuminfo1.lan.informatik.tu-muenchen.dbp.de>
Date: 18 Dec 90 16:05:01 GMT
Sender: news@lan.informatik.tu-muenchen.dbp.de
Reply-To: buettneb@lan.informatik.tu-muenchen.dbp.de (Bernhard Buettner)
Organization: Inst. fuer Informatik, TU Muenchen, W. Germany
Lines: 11

Hello Contesters,

Is there someone out there who can help me with the data format
of CT's MASTER.LIS, the database file which is used for the
super check partial function? I want to make a few experiments
and generate my own MASTER.LIS.

If nobody can tell me about the structure, where can I get a copy
of MASTER.LIS?

73 Ben DL6RAI

From 5562998052496180693
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fbfb40790003f1e9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 11:55:36 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!ucsd!ucbvax!
skvax1.csc.ti.com!anderson
From: anderson@skvax1.csc.ti.com (John H. Anderson N5OPY)
Newsgroups: rec.ham-radio
Subject: WANTED Copy of IC02AT commands
Message-ID: <9012181955.AA04210@tilde>
Date: 18 Dec 90 19:55:36 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8

I am looking for a copy of the section of the IC02AT manual that
shows how to operate the keyboard. Fax or email would be ok.
Complete manual to have or borrow would also be good.

--
John H. Anderson, N5OPY
anderson@skvax1.csc.ti.com

N5OPY@N5LDD.TX.USA.NA

From -8134739588520185661
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fde8f637f91d6552,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 12:11:23 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!jarthur!ucivax!orion.oac.uci.edu!ucsd!ucbvax!XEROX.COM!Judith_A._Stonehill.WBST128
From: Judith_A._Stonehill.WBST128@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Opinions on logging software needed
Message-ID: <"18-Dec-90.15:11:23.EST".*.Judith_A._Stonehill.WBST128@Xerox.com>
Date: 18 Dec 90 20:11:23 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: Stonehill.WBST128@xerox.com
Organization: The Internet
Lines: 28

I'm looking for a logging package (running on an IBM PC compatible) which I can use in DXing and contesting, both in the VHF and HF bands. I'd like something which has:

- user defined dupe check rules (with easy exit if a dupe is hit)
- screen layout which is easy to work with
- user defined fields
- easy/flexible searching and reporting
- good documentation
- QSO notes (lots)
- control of some input by rig (not mandatory but nice)
- data import/export
- use of mouse (nice but not required)
- public domain nice but commercial OK too.

Has anyone had experience with a package which has some or all of these features? What do you like/dislike about the package? Any recommendations?

I saw an ad in the July 1990 QST for the Logic (as opposed to Logic Jr.) package from Personal Database Applications in Duluth, GA. Any opinions on this one?

All advise would be greatly appreciated.

73s,

Judy
N2KXS

From 1287691899061329318
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,766d693366e33cbc,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 12:48:25 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Re: Radar guns... reprise
Message-ID: <9012182048.AA06209@tilde>
Date: 18 Dec 90 20:48:25 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11

bob%50781.decnet@P2.AMS.WPAFB.AF.MIL ("50781::BOB) asks:

> OK, so what kinda license would I need to (legally) operate a radar gun?

Go ask your local high school baseball coach. I think most of them now
use them to guage the speed of their pitchers' fastball.

73,
Dube   N5PDK

"Why waste time learning, when ignorance is instantaneous?" -Hobbes

---

From -9111715932769460742
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 13:17:09 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!samsung!interlan.InterLan.COM!
interlan.interlan.com!yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Message-ID: <YETSKO.90Dec18161709@interlan.interlan.com>
Date: 18 Dec 90 21:17:09 GMT
References: <41520@ut-emx.uucp> <1990Dec17.161526.5276@ni.umd.edu>
     <620@chiton.ucsd.edu> <36@shasta.Stanford.EDU> <624@chiton.ucsd.edu>
     <$2J^M|#@rpi.edu>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 6
In-reply-to: luigi@aix02.aix.rpi.edu's message of 18 Dec 90 18:45:01 GMT

Why worry about fuel for the fire when it is true? Unless of course someone
misplaced your asbestos underware, and they are about to put you on a hot-seat like that poor guy in the 60's horror flick "Mark of the Devil".

Mike Yetsko
N1DVJ

From 1361514546147138297
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32d63afdd31818fa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 13:28:59 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: U.S.T.R. Availability through Anonymous FTP
Message-ID: <901218142859.2380196b@HG.ULeth.CA>
Date: 18 Dec 90 21:28:59 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15

/\

Note:

For those of you who have been unable to contact std_oler@hg.uleth.ca regarding the document "Understanding Solar Terrestrial Reports", or for those of you who have not received a reply, please note that the document is now available for anonymous FTP from the site: nic.funet.fi.
Thanks Kauto.

If any of you place the document at other sites for anonymous FTP, please notify "std_oler@hg.uleth.ca" so a list can be maintained for referral purposes. Thanks.

/\

From -6201267317760805779
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,715f78a4e2c7dfd5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 13:35:54 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!hls.com!trop
From: trop@hls.com (Troy T. Pummill)
Newsgroups: rec.ham-radio
Subject: Codeless question pool?
Message-ID: <9012182135.AA25642@hls.com>
Date: 18 Dec 90 21:35:54 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17

I probably missed this answer, but here goes anyway. Are the 55 questions for the codeless tech going to be based on the current Novice/Tech question pool????

thanks and 73s....trop (Troy)

```
-----------------------------------------------------------------------------
|  Troy T. Pummill, N6XMV   |  trop@hls.com                              |
|  Sr. Technical Instructor |  ...uunet!lanslide.hls.com!trop            |
|  Hughes LAN Systems       |  1225 Charleston Rd., Silicon Gulch        |
|  Mountain View, CA  94043 |  The preceding drivel is entirely my own! |
-----------------------------------------------------------------------------
Invisible airwaves crackle with life, bright antenna bristles with the energy
Emotional feedback on timeless wavelength, bearing a gift beyond price....
Almost free.             "Spirit of Radio" - Rush
```

From -1370574622589611994
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b39b51f887746cb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 13:46:10 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: 10 meter rig recommendation?
Summary: General Radiotelephone License?
Message-ID: <684@ssc.UUCP>
Date: 18 Dec 90 21:46:10 GMT
References: <1990Dec5.212046.11491@midway.uchicago.edu>
<530032@hpdmd48.boi.hp.com>
Organization: very little
Lines: 26

In article <530032@hpdmd48.boi.hp.com>, ritchie@hpdmd48.boi.hp.com (David Ritchie) writes:

> >I don't quite understand why a ham rig modified to run CB should be illegal.
> >Shouldn't the only requirement be that the emissions from the radio meet
> >all of the legal requirements for CB emissions?
>
>   This is because amateur radio operators are not licensed to service
> CB transmitters. You must have a general radiotelephone license to do this,
> as CB requires that operators use type accepted equipment (as does other
> land mobile services). Amateur radio equipment is not type accepted, so
> it can not be used on CB frequencies.

Uhhhh....I thought the FCC stopped issuing the General Radiotelephone License. Didn't they deregulate all this? And what does this license have to do with type acceptance? I didn't mean that they derregulated the process of type acceptance, but I thought that the license was discontinued.

>

Tad Cook
Seattle, WA

Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 3493046152042326601
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab4a5a9336224655
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 13:47:25 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!rsiatl!jgd
From: jgd@Dixie.Com (John G. DeArmond)
Newsgroups: rec.ham-radio
Subject: Re: New Code-free Technician class license
Message-ID: <5306@rsiatl.Dixie.Com>
Date: 18 Dec 90 21:47:25 GMT
References: <9012171351.AA00050@rtp40.dg.com> <40089@genrad.UUCP>
Organization: Rapid Deployment Systems (making go-fast things and things that-go fast)
Lines: 36

dls@genrad.com (Diana L. Syriac) writes:

>I wholeheartedly agree with this philosophy and hope that all the other
>hams and OFs out there will do all that's necessary to WELCOME these new
>hams and show them the ropes. This is the only way they will become
>familiar with CORRECT procedures so that they don't try to invent their
>own. Come on, all you people who wanted no-code. Now's your chance!
>We're here to help you!

Yeah, we gotta teach them the proper techniques for repeater wars, jamming, endless discussions about traffic and the weather, how to properly take an hour to describe your HT, how to set up worthless "traffic nets" and the like. If we approach the new hams with the attitude that we've gotta teach them the ropes as if they are somewhat inferior, we'll be the losers.

I suspect that we'll be the ones to learn from the newcommers. Assuming that we gently discourage the 11 meter/HF operating practices, we might just learn a few things about using ham radio. I know that the people I've been recruiting are the elite of the computer and commercial RF industries. These are the people who have enough self-respect NOT to submit to the CW initiation and instead have waited until the ham radio rules gained some sanity. We've made that first important step. We have some more to do before we achieve the ultimate goal - the total elimination of CW as a licensing requirement but this is a start.

I think we'll be pleasantly surprised with the results of this change. I can hardly wait to see what happens.

```
John

--
John De Armond, WD4OQC        | "Purveyors of speed to the Trade"  (tm)
Rapid Deployment System, Inc. |  Home of the Nidgets (tm)
Marietta, Ga                  |
{emory,uunet}!rsiatl!jgd      | "Vote early, Vote often"


From 7485614427267460430
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 13:47:38 PST
Path: gmdzi!unido!mcsun!uunet!olivea!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpfcso!vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <7500068@hpfcso.HP.COM>
Date: 18 Dec 90 21:47:38 GMT
References: <9012172023.AA13013@tilde>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 48

> / hpfcso:rec.ham-radio / dube@cpdvax.csc.ti.com /  1:23 pm  Dec 17, 1990 /
> In <vodall@hpfcso.HP.COM (Bill Vodall)> Bill asks:
>
> (Re: Re: 10 meter rig recommendation?)
>
> >Is it illegal to modify a rig to RECEIVE CB?
> >
> >Is it really illegal to modify a rig to make it capable of transmitting on the
> >CB band?   There's no question that it's against the rules to transmit with
> >it.  Is the mere ownership of a non-type accepted CB rig illegal?
>
> Was this tongue-in-cheek?  How many more times will these same questions appear
> on the net?
>
> It is not illegal to MODIFY equipment.
>
> It is not illegal to BUILD equipment.
>
> It is not illegal to OWN a receiver.
>
> It is not illegal to OWN a transmitter.
>
> It is not illegal to TEAR UP equipment (presuming it's yours).
>
>
> a license to do so; or to use transmitting equipment that has not been approved
> for the particular service.
```

>
> It doesn't take a lawyer to figure this out; all it takes is the ability to read
> and apply common sense.
>
> 73,
> Dube   N5PDK
>
> "Why waste time learning, when ignorance is instantaneous?" _Hobbes
> ----------

Probably the biggest incentive for my posting was the bold printed, red
warning sign that came with my Uniden 2510 10meter rig. They threatened
that if I ever modified my rig (added the jumper that enables CB) and returned
it for repair, not only would they not repair the radio but they would also
notify the FCC.

This bothers me. It's assumed that since I can use the radio on CB, I'm using
the radio as a transmitter and have done something wrong.

Bill - WA7NWP

From 7308654345555690425
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 13:51:47 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!ron
From: ron@hpfcso.HP.COM (Ron Miller)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Message-ID: <7500069@hpfcso.HP.COM>
Date: 18 Dec 90 21:51:47 GMT
References: <41520@ut-emx.uucp>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 26

> VP-RF now that the code barrier has fallen, up at W2SZ.
>
> .. ... - .. .-.. .-.. ..- ... . -.-. .--
> Luigi Giasi, KA1UTU, President of W2SZ the getting larger ARC of RPI

Don't get too excited. The code "barrier" hasn't "fallen" it's only
been moved back a significant amount.

But there's no going back now. For better or for worse, the requirement
has changed. It's somewhat ironic that the "self-policing" ham community
which has never had enforcement power will now be dealing with changes of
a large scale when the FCC has no police power either due to budget
limitations. Maybe there won't be any problems. Hope not. If there

are, it might be the excuse required to eliminate the ham bands and turn over the frequencies to cellular services.

But, as always, abusing new hams won't help a thing. Welcoming them is as much as we can do.

Welcome no-code hams!

(Just don't complain about "those funny beeps" on the repeater too often :-)

Ron
NW0U

From -6239143717263556290
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ea10d97ee238c0dc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 13:54:14 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!usc!julius.cs.uiuc.edu!apple!chuq
From: chuq@Apple.COM (The Wandering Phew)
Newsgroups: rec.ham-radio
Subject: Thanks for the welcome
Message-ID: <47475@apple.Apple.COM>
Date: 18 Dec 90 21:54:14 GMT
Organization: Under that bluish-grey looking rock
Lines: 30

As someone who's seriously considering becomming a ham in the next few months (thank the FCC for doing something *right* and not putting the nocode above 220), I must thank all of you folks for being so warm and positive and supportive and making us potential hams feel very welcome. I can see why the hobby is losing people.

Be wary of self-fulfilling prophecies -- if you are antagonistic and obnoxious to the new and potential members, you'll scare off all but the stubborn (like me) or the antagonistic or obnoxious. No code is here. You can either pull together and make it work by bringing in the people you want, or you can scream and moan and bitch and complain and scare away everyone except the ones you're most worried about -- because they won't care what you think.

It's very literally up to you. If No code screws up, it won't be the FCC's fault. It'll be the fault of the people who decided it was no good from the beginning and worked to make it fail. You can either bring in the people that make amateur a good hobby and teach them to be good hams, or you can sit back and watch the idiots take over. Now's an important time for everyone concerned to get together and decide to do it right.

You're either part of the solution or part of the problem. It's the ground floor. Is your elevator going up? Or out?

```
--
Chuq Von Rospach   <+>   chuq@apple.com   <+>   [This is myself speaking]

USENET has the power to change society radically, but
instead spends all its time arguing about trivia.


From 4627841144274819O6
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b39b51f887746cb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 14:01:38 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!ousrvr!ousrvr!luru
From: luru@stekt.oulu.fi (Ari Husa OH8NUP)
Newsgroups: rec.ham-radio
Subject: Re: 11 meter id with ham call?
Message-ID: <LURU.90Dec18230138@stekt.oulu.fi>
Date: 18 Dec 90 22:01:38 GMT
References: <1990Dec5.212046.11491@midway.uchicago.edu> <7500058@hpfcso.HP.COM>
     <3070@naucse.cse.nau.edu> <672@ssc.UUCP> <19267@unix.SRI.COM>
     <14975@crdgw1.crd.ge.com>
Sender: news@ousrvr.oulu.fi
Organization: The Buffalo Club
Lines: 15
In-reply-to: perley@galaxy's message of 18 Dec 90 15:11:24 GM

In article <19267@unix.SRI.COM>, larson@snmp (Alan Larson) writes:
>
>p.s. Ever have the urge to ID at the end of a phone call?  :-)

I've done it. Several times. OK, you can call me crazy. I am.

> No, but I have seen someone answer a phone and just say "QRZed?"

Interesting idea..

     Luru
--
     ///
     o-o    Ham Radio Operators Do It In Higher Frequency
      o


From -2499827521122121166
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 14:25:04 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!bloom-beacon!deccrl!
news.crl.dec.com!shlump.nac.dec.com!delni.enet.dec.com!goldstein
From: goldstein@delni.enet.dec.com (Fred R. Goldstein)
Newsgroups: rec.ham-radio
Subject: Re: (none)
```

Message-ID: <18339@shlump.nac.dec.com>
Date: 18 Dec 90 22:25:04 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 21

In article <9012181514.AA21309@tilde>, dube@cpdvax.csc.ti.com writes...
>So, now comes Brian, who says that it doesn't matter which set of privileges
>have been earned by the operator. What's your call sign and class of license,
>Brian? Do you feel that there should be no class distinction? If so, why not
>just say it. Form a protest to change the current system to a classless
>system. At least, there'd be no need for self-policing the horrendous mess
>that now exists.

I won't speak for Brian but I'll speak for myself.

I agree with Brian. The FCC couldn't give a tinkers' dam about whether or not some Tech on 10M has passed the code test, unless somebody causes trouble. They're sick of bellyaching oldtime hams.

Apparently Dube wanted to hear it from an Extra.
---
Fred R. Goldstein   k1io   Digital Equipment Corp., Littleton MA
goldstein@delni.enet.dec.com   voice: +1 508 486 7388
 Do you think anyone else on the planet would share my opinions, let
 alone a multi-billion dollar corporation?

From -5783588011301966912
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,78a06e1b76892114,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 15:01:56 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: U.S.T.R. FTP AVAILABILITY UPDATE
Message-ID: <901218160156.238017d3@HG.ULeth.CA>
Date: 18 Dec 90 23:01:56 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 60

/\

A quick note that was inadvertently omitted from the previous note. The U.S.T.R. document which is available for anonymous FTP at nic.funet.fi, can be found using the following directory path:

        "pub/misc/rec.radio.shortwave/solarreports/report.info"

The reports, alerts and warnings which are posted may also be found at this site in the directory:

"pub/misc/rec.radio.shortwave/solarreports"

Please use these directories when FTPing the desired material. The "solarreports" directory presently contains the following files:

```
total 115
-rw-rw-r--  1 huopio   ftp          722 Dec 10 13:41 README.REPORTS
-rw-rw-r--  1 huopio   ftp         4570 Dec  7 00:52 msfa0412
-rw-rw-r--  1 huopio   ftp        17041 Dec 11 13:05 msfa1112
-rw-rw-r--  1 huopio   ftp        17645 Dec 12 14:47 msfa1212
-rw-rw-r--  1 huopio   ftp        18180 Dec 13 13:57 msfa1312
drwxrwxr-x  2 huopio   ftp          512 Dec 17 17:29 report.info
-rw-rw-r--  1 huopio   ftp        27180 Dec 10 13:40 stfr1012
-rw-rw-r--  1 huopio   ftp        27802 Dec 18 13:57 stfr1812
```

The files are coded as follows:

<report type>DDMM , where

<report type> can be	msfa	(Major Solar Flare Warning)
	mstr	(Monthly Solar Terrestial Review)
	gsa	(Geomagtnetic Storm Alert)
	stfr	(Solar Terrestial Forecast and Review)
	pmfw	(Potential Major Flare Warning)

DDMM   means the day and month of the report/article submission.

The directory containing the U.S.T.R. document as well as the Glossary of Solar Terrestrial Terms, may be found in the "report.info" subdirectory. This directory currently consists of the following:

```
total 348
-rw-rw-r--  1 huopio   ftp         5792 Dec 17 17:27 contents.txt
-rw-rw-r--  1 huopio   ftp        93201 Dec 17 17:29 docpack.lzh
-rw-rw-r--  1 huopio   ftp       155831 Dec 17 17:26 part1.doc
-rw-rw-r--  1 huopio   ftp        61155 Dec 17 17:27 part2.doc
-rw-rw-r--  1 huopio   ftp        21898 Dec 17 17:27 solarterm.doc
```

(docpack.lzh is a LHARC archive file of the documents.)

Many thanks to Kauto Huopio (OH5LFM, huopio.lut.fi) for his efforts in establishing a base FTP site for this information, and for his efforts in redistributing the data to other various nets of interest. His efforts are appreciated.

/\

```
From -146735103719592537
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b39b51f887746cb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 16:23:45 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!tut.cis.ohio-
state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: 11 meter id with ham call?
Message-ID: <1990Dec19.002345.4708@NCoast.ORG>
Date: 19 Dec 90 00:23:45 GMT
References: <672@ssc.UUCP> <19267@unix.SRI.COM> <14975@crdgw1.crd.ge.com>
Reply-To: allbery@ncoast.ORG.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 16

As quoted from <14975@crdgw1.crd.ge.com> by perley@galaxy (Donald P Perley):
+---------------
| In article <19267@unix.SRI.COM>, larson@snmp (Alan Larson) writes:
| >p.s. Ever have the urge to ID at the end of a phone call?  :-)
|
| No, but I have seen someone answer a phone and just say "QRZed?"
+---------------

It can't be worse than my father answering the phone:  "Speak!"

++Brandon
--
Me: Brandon S. Allbery               VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR               AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

```
From 1677799499631364256
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 16:32:05 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpcc05!hpdmd48!ritchie
From: ritchie@hpdmd48.boi.hp.com (David Ritchie)
Newsgroups: rec.ham-radio
Subject: Re: Not a new problem - A new Challenge
Message-ID: <530033@hpdmd48.boi.hp.com>
Date: 19 Dec 90 00:32:05 GMT
References: <41520@ut-emx.uucp>
Organization: Hewlett Packard - Boise, ID
Lines: 24
```

>
>I wish you were right...but the canonical comment of those who operate between
>27.405 and 28 MHz is, "I'd get a ham license if it weren't for that #$%@#$^
>code." Those people will rush to get no-code licenses. That's what frightens
>me about no-code, and _nobody_ has yet shown me that that fear is unfounded.
>

Just remember that most CB practice is the way it is because the status quo for CB is *different* than ham communications. So if you hear 'CBisms' on 2m, you might ought call the new ham (on the phone -- don't embarass the ex-CBer by calling him a lid on the local repeater!) and *gently* inform him/her that CB lingo is looked up as poor practice (due to its "uneducated" nature).
Hard feelings of amateurs towards CBers are also due CB's takeover of the 11 meter amateur band (this is something that most CBers are not aware of).
Education is important to new amateurs -- this is something that older hams can provide.

"Never explain by malice that which can be more easily explained by ignorance". Note carefully that the last word is "ignorance", not "stupidity".
Given a chance (along with necessary knowledge) to make a correct decision, most people often will.

-- Dave Ritchie N4DJS
ritchie@hpdmd48.boi.hp.com

From 846233603803780322
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 16:42:11 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Class D AM Phone (was Re: morse code)
Message-ID: <7880389@hpfcdc.HP.COM>
Date: 19 Dec 90 00:42:11 GMT
References: <751.2768BAC4@w8grt.fidonet.org>
Organization: HP Fort Collins, Co.
Lines: 9

Re: Urban Legend - CBer uses CW when mic is fubar

>What are the odds of a microphone element failing while the push-to-talk
>button stays in working order?

By using a piece(s) of wire, you wouldn't even need the PTT.

Perry "chewing gum and baling wire"
KF0CA

From 7747140389080861595
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae048f33ca952844
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 16:52:33 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <1990Dec19.005233.5424@NCoast.ORG>
Date: 19 Dec 90 00:52:33 GMT
References: <19152@unix.SRI.COM> <1990Dec16.004633.6662@NCoast.ORG> <3063@wyse.wyse.com>
Reply-To: allbery@ncoast.ORG.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 35

As quoted from <3063@wyse.wyse.com> by stevew@wyse.wyse.com (Steve Wilson x2580 dept303):
+---------------
| In article <1990Dec16.004633.6662@NCoast.ORG> allbery@ncoast.ORG (Brandon S. Allbery KB8JRR) writes:
| >Operating CW may reduce liddishness, but I've heard enough hams with about
| >as many functioning neurons as symbols in their call to know that *knowing*
| >code doesn't filter anything.
|
| Your insisting that the statement "CW acts as a filter" be an absolute.
| No-one ever claimed it was a perfect filter, just the best available(and
| time tested...)
+---------------

"Best available"? We haven't tried anything else; we've never separated CW from other possible components of our hypothetical lid filter; and you're claiming it's the "best available" and "time-tested"? Nonsense.

And I'd hardly consider 75m a proof of time-tested-ness....

+---------------
| Now it's up to the OO's to clean up the mess that I expect to occur...
| and there is only 650 of them in the entire country.
+---------------

"You're insisting that the statement "a mess will occur" to be an absolute."

Sorry, but I fully expect that it will end up a zoo *if* you and others who share your beliefs insist on treating no-code Techs as lesser life forms. That kind of situation is called a self-fulfilling prophecy....

++Brandon, ready to welcome new hams regardless of code proficiency
--
Me: Brandon S. Allbery   VHF/UHF: KB8JRR on 220, 2m, 440

```
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR               AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY


From -1427017958536850499
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ff4aeabfffa5f79
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 16:59:06 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!
usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: FCC decision on no-code license
Message-ID: <1990Dec19.005906.5587@NCoast.ORG>
Date: 19 Dec 90 00:59:06 GMT
References: <7880385@hpfcdc.HP.COM> <7880388@hpfcdc.HP.COM>
Reply-To: allbery@ncoast.ORG.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 16

As quoted from <7880388@hpfcdc.HP.COM> by ajs@hpfcdc.HP.COM (Alan Silverstein):
+---------------
| > ...10MHz isn't available to Techs *now*.  Perhaps you meant 10 meters?
|
| No, I meant what I wrote.  The frequency doesn't matter in the context
| of the joke.  But "10 meters" does make it read better...
+---------------

"It's 10m, do you know what your _._. .__ is?"

++Brandon
--
Me: Brandon S. Allbery               VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR               AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY


From 7453665728010685184
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b069dfd2cee136a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 17:03:22 PST
Path: gmdzi!unido!mcsun!uunet!samsung!news.cs.indiana.edu!sdd.hp.com!hplabs!
hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Class D AM Phone (was Re: morse code)
Message-ID: <7880390@hpfcdc.HP.COM>
Date: 19 Dec 90 01:03:22 GMT
```

References: <1990Dec14.145827.14942@lonex.radc.af.mil>
Organization: HP Fort Collins, Co.
Lines: 32

>Branding CW as a "digital mode" is sort of like calling a bicycle an
>automobile because it has wheels. While the symbols take on discrete levels,
>both the encoding process and the decoding process are very analog in
>nature.

>>If you are branding morse as obsolete because of the modulation techniques
>>then HF packet, AMTOR, and RTTY are also obsolete.
>
>The problem here is that you're confusing coding with modulation. HF packet
>et al are all FM in nature, which is somewhat superior to AM modes like CW
>when it comes to decoding (orthogonality).
>
>-=Paul Flaherty, N9FZX

I must be missing something here, Paul. Maybe you need to explain the difference between "(en)coding" vs "modulation". I know that I could implement a CW demodulator (or decoder ?) as a state machine that follows a b-tree. Sounds pretty digital to me. I always thought a CW transmitter was either ON or OFF, which also sounds distinctly digital.

I also observe that most digital demodulators (which are usually FM in one form or another) employ analog technniques (such as slope detectors) in the early stage of the decoding process. Like I've said, I don't understand your distinction between decoding and demodulation.

As for CW being an AM mode, that's a bit of a stretch. While CW takes on two amplitudes there is no information in the amplitude itself.
Also, the sidebands are zero-width.

Perry
KF0CA

From 5421057839899712026
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 17:03:39 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!
usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: No-code license
Message-ID: <1990Dec19.010339.5704@NCoast.ORG>
Date: 19 Dec 90 01:03:39 GMT
References: <24904@ucsd.Edu> <1990Dec16.073847.6099@ux1.cso.uiuc.edu>
<619@chiton.ucsd.edu>
Reply-To: allbery@ncoast.ORG.ORG (Brandon S. Allbery KB8JRR)

Followup-To: rec.ham-radio
Organization: North Coast Computer Resources (ncoast)
Lines: 24

As quoted from <619@chiton.ucsd.edu> by rec@chiton.ucsd.edu (Richard Currier):
+---------------
| A message to all who want to be able to enjoy the hobby in the future:
|
| FIGHT LIKE HELL TO KEEP THE 30 METER BAND AND DIE IF NECESSARY TO KEEP IT CW
| ONLY.
|
| A message to the more virulent no-coders out there:
|
| IF WE GIVE YOU ALL OF THE REST OF THE SPECTRUM FOR NOTHING...WILL YOU LEAVE US
| ALONE ON 30 METERS?
+---------------

Gee, I thought I had an amateur radio license. I guess I accidentally got a
CW radio license. I'd better write to the FCC and see if amateur radio still
exists or not. :-(

++Brandon
(P.S. If I let you have 30m, will you keep your attitude problem off VHF/UHF?)
--
Me: Brandon S. Allbery   VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG   Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR   AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery   Delphi: ALLBERY

From 7288638451533631352
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b39b51f887746cb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 17:09:54 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!lavaca.uh.edu!
menudo.uh.edu!lobster!urchin!f8324.n106.z1.fidonet.org!Christopher.Boone
From: Christopher.Boone@f8324.n106.z1.fidonet.org (Christopher Boone)
Newsgroups: rec.ham-radio
Subject: Re: 10 meter rig recommendation?
Message-ID: <4289.276EF068@urchin.fidonet.org>
Date: 19 Dec 90 01:09:54 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8324 - Far Point Relay Ham, Katy Tx
Lines: 26

** Quoting Kip Ingram to All **
 >Newsgroups: rec.ham-radio
 >
 >I don't quite understand why a ham rig modified to run CB should
 >be illegal.
 >Shouldn't the only requirement be that the emissions from the
 >radio meet

 >all of the legal requirements for CB emissions? Forgive my
 >ignorance, but
 >that seems sensible to me as an engineer. Any other requirements
 >would
 >seem to be artificial. Like Mr. Spock said, "A difference
 >which MAKES no
** End of Quote **
A CB rig by part 95 rules may NOT be VFO or frequency-agile controlled but
MUST be "channelized" so that it stays within the tolerances specified in Part
95...A ham rig on the other hand is NOT channelized....it can go where no man
ahs gone before...provided it stays within appropriate band edges! and
subbands/modes as well!
Also a CB may not put out more than 4 watts (yeah thats a joke...most CBs out
of the box will do 10! and some more) but most ham rigs on 10 will do MUCH
more than that....
CB to ham??? thats perfectly legal and being done all the time!!!

73
WB5ITT

From -2357069754158066005
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-18 17:13:42 PST
Path: gmdzi!unido!mcsun!uunet!munnari.oz.au!metro!usage.csd.unsw.oz.au!ccadfa!
csadfa!pgc
From: pgc@csadfa.cs.adfa.oz.au (Phil Clark)
Newsgroups: rec.ham-radio
Subject: Re: A New Problem
Summary: No code licences
Keywords: NoCode
Message-ID: <2144@ccadfa.adfa.oz.au>
Date: 19 Dec 90 01:13:42 GMT
References: <7169@jhunix.HCF.JHU.EDU> <40074@genrad.UUCP> <41520@ut-emx.uucp>
<4ea88b70.20b6d@apollo.HP.COM>
Sender: news@ccadfa.adfa.oz.au
Lines: 52

In article <4ea88b70.20b6d@apollo.HP.COM>, hays@apollo.HP.COM (John Hays) writes:
> In article <1990Dec17.183401.23317@athena.cs.uga.edu> mcovingt@athena.cs.uga.edu
(Michael A. Covington) writes:
> >It is incumbent on all of us to welcome the new no-code Technicians into
> >the mainstream of ham radio.
> >
> >... Remember, the FCC doesn't give us spectrum
> >to preserve the radio traditions of 1920. They give us spectrum in order
> >to serve the public, enhance international goodwill, advance the radio art...
> >
> >So here's my message to all the new Techs: WELCOME!
>
> Here! Here!!

> I see this as an opportunity for us to recruit many new people into the
> Ham Radio Fraternity! I even got the XYL to say she would now study for
> the Technician license! I have started working on a couple of co-workers.

I have been following the arguments and comments about the introduction of the no code licence with some interest.

It seems that this licence is essentially the same as what is called a "limited" licence here in Australia, and has been available here for many years.

It certainly did not cause the breakdown of amateur radio here, the home of the oldest amateur radio society in the world. It did in fact attract many new members to the hobby that had extremely good technical knowledge and abilities that did not want to be bothered with morse code. Many of these later gained the code qualifications so that they had access to the HF bands below 30MHz.

The arguments being put forward against a no code licence have ALL been heard before and experience elswhere in the world has proven then wrong.

Your comments about welcoming these new members to the hobby are well taken and very timely in this argument. The hobby of amatuer has everything to gain from the abaility of these people, many of whom will have better technical knowledge and ability than those attempting to exclude them.

Just my $0.02 worth from a place where such a licence has existed for many years.

GOOD LUCK TO ALL THE NEW AMATEURS!

Phil Clark [VK1PC]	Department of Computer Science,	Phone:
	Australian Defence Force Academy,	+61 6 268 8157
Email:	Northcott Drive, Campbell,	Fax:
pgc@csadfa.cs.adfa.oz.au	Canberra, Australia, 2600.	+61 6 268 8581

From -2731558600417923546
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe6d43c56d5c8c10
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 10:46:25 PST
Path: gmdzi!unido!mcsun!uunet!samsung!news.cs.indiana.edu!julius.cs.uiuc.edu!wuarchive!ukma!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: Question about 28.650MHz - Continued
Message-ID: <1990Dec14.014051.24745@NCoast.ORG>

```
Date: 14 Dec 90 01:40:51 GMT
References: <1990Dec10.174108.2432@uoft02.utoledo.edu>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 15
Posted: Fri Dec 14 02:40:51 1990

As quoted from <1990Dec10.174108.2432@uoft02.utoledo.edu> by
grx0644@uoft02.utoledo.edu:
+---------------
| This is a continuation of the previous message about 28.650mhz.
+---------------

My notes say that WA3NAN is on this frequency with NASA Select Audio, as well
as on other frequencies (I listened on 20m mostly).  Of course, it helps for
10m to be up....

++Brandon
--
Me: Brandon S. Allbery               VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG              Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR               AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY


From 3572227634274615445
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5ac17cf9e887b6e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 11:36:59 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: reorganize - do it all now [ :-) ]
Message-ID: <coP7T2w163w@phoenix.com>
Date: 14 Dec 90 19:36:59 GMT
References: <LURU.90Dec13235201@stekt.oulu.fi>
Organization: One Man Brand
Lines: 11


luru@stekt.oulu.fi (Ari Husa OH8NUP) writes:

> Although Phil had a good point there, I find it hardly "patently
> absurd" to move the bullshit about pizza orders and radar detectors
> out of this group somewhere where it can be c)aught up convenientl(y.

   Absolutely. But let's do it without bouncing everything around. Add
rec.ham-radio.legal. That's all it takes. And if you don't want to see
the pizza orders and microwave detectors you won't even need to do that
at your site. You won't need to c)atch up on a group you don't carry.
```

From -8763874652744423704
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 11:39:01 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!ub!dsinc!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Re: morse code
Message-ID: <34793@netnews.upenn.edu>
Date: 14 Dec 90 19:39:01 GMT
References: <1990Dec14.012315.7858@zoo.toronto.edu>
<1990Dec14.084634.26138@yenta.alb.nm.us> <1990Dec14.165331.2673@athena.cs.uga.edu>
<1990Dec14.182201.28639@magnus.ircc.ohio-state.edu>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 18

In article <1990Dec14.165331.2673@athena.cs.uga.edu> mcovingt@athena.cs.uga.edu (Michael A. Covington) writes:
>What are the odds of a microphone element failing while the push-to-talk
>button stays in working order?

Haven't you ever had the +audio or ground leads break off inside a 4- or 8-pin mic connector while the 2 PTT leads were still intact?   I'd say it's happened to me about 5 or 6 times in the last few years.

Reminds me of the time some lid dropped my portable PC being used for logging right in the middle of field day. A la Murphy, it's bound to happen at the worst possible time.

```
                                     --- Jeff
--
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
 Jeff DePolo  N3HBZ             Twisted Pair: (215) 386-7199
 depolo@eniac.seas.upenn.edu    RF: 146.685- 442.70+ 144.455s (Philadelphia)
 University of Pennsylvania     Carrier Pigeon: 420 S. 42nd St. Phila PA 19104
```

From -6833478829508530117
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab9b2fbff550298e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 11:43:41 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: What about those of us in the half-way house?
Message-ID: <iZP7T3w163w@phoenix.com>

Date: 14 Dec 90 19:43:41 GMT
References: <41377@ut-emx.uucp>
Organization: One Man Brand
Lines: 24

kipper@ccwf.cc.utexas.edu (Kip Ingram) writes:

> Will I be a new Tech or an old Tech? My guess is old, since I passed
> the 5 wpm code test. If it did come in as new Tech, I do have the
> certificate they gave me stating that I passed 5 wpm CW; that would let
> me upgrade to HF privs right away, right?

You will be neither an old nor a new Tech. You will be a middle Tech.

Old tech's are those who passed the General theory exam, and need only a 13 wpm code test to become General.

Middle tech's will be those who passed the Tech theory test and the 5 wpm test. They will have, according to the info passed here, Novice HF and all other VHF+ privs. They will need a General theory test AND 13 wpm to make General. (Or, will the more intense new tech test qualify for the general theory test?)

New tech's will pass a new theory test. They get VHF+ privs.

> Somebody please tell me that I will indeed get to operate on HF.

It isn't up to us. It is up to the FCC. They seem to be saying "YES".

From 6183211605997266
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,640ca4fa992f612c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,640ca4fa992f612c
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-14 11:54:21 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: ARES/Data availability
Message-ID: <47386@apple.Apple.COM>
Date: 14 Dec 90 19:54:21 GMT
References: <12269@hubcap.clemson.edu>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 51
Xref: gmdzi rec.ham-radio:17891 rec.ham-radio.packet:3227

In article <12269@hubcap.clemson.edu>bjb@hubcap.clemson.edu(BJ Backitis) writes:
>
>In the book "Your Gateway to Packet Radio", in a chapter discussing the
>use of packet radio for public service communications and emergency

>communications in particular, it mentions a piece of software called
>ARES/Data.
>
>According to the book, it states that it (ARES/Data) is copyrighted but
>public domain and available without charge. Is it available from an
>FTP site, by any chance?? Are there any other sources for the software
>that anyone knows?

BJ--

The public service column of the December _QST_ is devoted to ARES/Data. It gives instructions on how to obtain it by mail, CompuServe, or BBS.

By the way, someone once pointed out to me that the terms "copyrighted" and "public domain" are mutually exclusive. Like Phil Karn's NET and NOS programs, ARES/Data is free to its intended audience, but is not public domain.

>Also, it book mentions that to use the ARES/Data program, you need the
>TNC to have the WA8DED firmware installed. Where is THIS available
>from? (I can burn the EEPROM, if I can get the code, or is it not
>public domain?).

The article mentions that TAPR sells these EPROMS.

>(BTW, this section of the book mentions a familiar name to readers of
>these groups... N6BIS, Patty Winter! Okay, Patty... help!!!!!)

What did they do--reprint my "Packet in Emergency Communications" article again? I know they used it in the _Public Service Handbook_ at least once.

Patty

p.s. Don't anyone bother asking me more about ARES/Data. I've seen it once or twice but otherwise know nothing about it. It runs on the wrong computers. :-) :-)

```
--
*****************************************************************************
Patty Winter N6BIS                          INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                       UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From 2759943324566269860
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bde3d0993b3fcb8b,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-12-14 11:59:56 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!mit-eddie!bloom-beacon!deccrl!news.crl.dec.com!pa.dec.com!shlump.nac.dec.com!esis.enet.dec.com!magid
From: magid@esis.enet.dec.com (Joel Magid...)
Newsgroups: rec.ham-radio
Subject: Is the ARRL really our voice in Washington D.C.
Summary: 3 times and your OUT
Keywords: ARRL
Message-ID: <18184@shlump.nac.dec.com>
Date: 14 Dec 90 14:41:59 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 19
Posted: Fri Dec 14 15:41:59 1990

While I am a member of the league and have supported a good number of their proposals I wonder if they are really representing the needs and desires of the Amateur community.

Here is the track record:

1. 220 --- the FCC wins but may in time give us 216-220 plus 222 +

2. NPRM 90-55 the only thing the league got us was the ability to hold on to the novice class. (I supported the FCC here)

3. On the code waiver for the handicapped the FCC did it their way leaving the league out in the cold.

I think the ARRL needs to begin to hear the amateur community a little better and as well we need to be more vocal to the ARRL about our desires.

From 4394304704377982171
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a96fcc94d63fec1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 12:00:50 PST
Path: gmdzi!unido!mcsun!uunet!know!tegra!vail
From: vail@tegra.COM (Johnathan Vail)
Newsgroups: rec.ham-radio
Subject: Re: How do I mount this feedline?
Message-ID: <1851@atlas.tegra.COM>
Date: 14 Dec 90 14:56:59 GMT
References: <747.27678C8E@w8grt.fidonet.org>
Organization: Tegra-Varityper, Inc., Billerica, MA
Lines: 24
Posted: Fri Dec 14 15:56:59 1990
In-reply-to: jim.grubs@w8grt.fidonet.org's message of 13 Dec 90 19:11:14 GMT

```
In article <747.27678C8E@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim
Grubs) writes:
    > From: vail@tegra.COM (Johnathan Vail)
    > Or how about a good way to bring it into the house.  I am thinking of
    > drilling two holes right through the wall and using like #12 wire to
    > go through the holes.  Any better ideas?

   Take a low power air rifle (or a pea shooter) and shoot two BB holes the right
   distance apart in the middle of the nearest window. After fishing the wires
   through, seal with silicone putty.


I thought he was joking.  Then I thought some more and that is
actually a good idea.  That way when you move out its about $5 for a
new pane.

Except that I have storm windows.  Certainly an idea to consider,
thanks.

``Bunnies believe in deeds, not words.''
 -----
|     | Johnathan Vail | n1dxg@tegra.com
|Tegra| (508) 663-7435 | N1DXG@448.625-(WorldNet)
 -----  jv@n1dxg.ampr.org {...sun!sunne ..uunet}!tegra!vail


From 3406878466949870309
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,640ca4fa992f612c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,640ca4fa992f612c
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-14 12:16:40 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!wuarchive!emory!hubcap!bjb
From: bjb@hubcap.clemson.edu (BJ Backitis)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: ARES/Data availability
Message-ID: <12279@hubcap.clemson.edu>
Date: 14 Dec 90 20:16:40 GMT
References: <47386@apple.Apple.COM>
Organization: Clemson University, Clemson, SC
Lines: 87
Xref: gmdzi rec.ham-radio:17892 rec.ham-radio.packet:3228

From article <47386@apple.Apple.COM>, by winter@Apple.COM (Patty Winter):
> In article <12269@hubcap.clemson.edu>bjb@hubcap.clemson.edu(BJ Backitis) writes:
>>
>>In the book "Your Gateway to Packet Radio", in a chapter discussing the
>>use of packet radio for public service communications and emergency
>>communications in particular, it mentions a piece of software called
>>ARES/Data.
```

>>
>>According to the book, it states that it (ARES/Data) is copyrighted but
>>public domain and available without charge. Is it available from an
>>FTP site, by any chance?? Are there any other sources for the software
>>that anyone knows?
>
> The public service column of the December _QST_ is devoted to ARES/Data.
> It gives instructions on how to obtain it by mail, CompuServe, or BBS.

Ack... I thought I hit all the QST's... must have missed that one.

(engage hit-head-against-wall mode)

>
> By the way, someone once pointed out to me that the terms "copyrighted"
> and "public domain" are mutually exclusive. Like Phil Karn's NET and
> NOS programs, ARES/Data is free to its intended audience, but is not
> public domain.
>

Well, I went by what the book written by Stan Horzepa (WA1LOU) said:

"It [ARES/Data] is a copyrighted, public-domain program, available
without charge to anyone interested."

Personally, I agree with your statement, but I wasn't sure if it was
truly copyrighted or really public-domain, so I went for inaccurately
vague mode :-)

>
>>Also, it book mentions that to use the ARES/Data program, you need the
>>TNC to have the WA8DED firmware installed. Where is THIS available
>>from? (I can burn the EEPROM, if I can get the code, or is it not
>>public domain?).
>
> The article mentions that TAPR sells these EPROMS.
>

Someone else pointed out to me that this was NET/ROM... I remember when
that was first coming out, but I haven't used it much. (Unfortunately,
I haven't been active in packet for a while... I see all that's happend
and it's overwhelming!)

>
>>(BTW, this section of the book mentions a familiar name to readers of
>>these groups... N6BIS, Patty Winter! Okay, Patty... help!!!!!)
>
> What did they do--reprint my "Packet in Emergency Communications" article
> again? I know they used it in the _Public Service Handbook_ at least once.
>

Well, the book mentions "a set of... packet-radio guidelines and public-service events were compiled by Patty Winter, N6BIS, in 1986... An expanded version of these quidelines follows." Then it goes into what would be a little over two pages worth of hints and guidelines. It was very informative.

Overall, I really like the book. BTW, this is the 2nd edition to which I refer...

>
> p.s. Don't anyone bother asking me more about ARES/Data. I've seen it
> once or twice but otherwise know nothing about it. It runs on the wrong
> computers. :-) :-)
>

Ah, there's nothing like loyalty to one's company!! Personally, all the modern day machines seem the same to me... [enter old-fart mode] I remember back in '05 when we had to boot the machine up with the switches on the front, and load in paper tape... and we LIKED it that way! (mega- :-))

Thanks for the help, Patty!

73 de BJ, KM4RB

From -2109005541116857774
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,640ca4fa992f612c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,640ca4fa992f612c
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-14 13:00:55 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!att!pacbell.com!ames!pioneer.arc.nasa.gov!paluzzi
From: paluzzi@pioneer.arc.nasa.gov (Peter Paluzzi ZeroOne)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: ARES/Data availability
Message-ID: <1990Dec14.210055.23507@news.arc.nasa.gov>
Date: 14 Dec 90 21:00:55 GMT
References: <12269@hubcap.clemson.edu> <47386@apple.Apple.COM>
Sender: usenet@news.arc.nasa.gov (USENET Administration)
Reply-To: paluzzi@pioneer.arc.nasa.gov (Peter Paluzzi ZeroOne)
Organization: NASA Ames Res. Ctr. Mtn Vw CA 94035
Lines: 13
Xref: gmdzi rec.ham-radio:17895 rec.ham-radio.packet:3229

It would be worthwhile if someone could upload ARES/Data to a well-known archive site. People would then be able to get it via anonymous ftp.

If this has been done, which host has it?

73
Pete

Peter Paluzzi, Sr. Graphics Analyst, Sterling Software, ZeroOne Group
Advanced Computing Facility, NASA/Ames Research Center
Mail Stop 233-3, Moffett Field, CA 94035
(415) 604-4589 paluzzi@ames.arc.nasa.gov N6YEO (FTS) 464-4589

```
From 4793432820903822842
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5667fb440b8a8689
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 13:01:37 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!
apple!xanadu!jeff
From: jeff@xanadu.com (Jeff Crilly N6ZFX)
Newsgroups: rec.ham-radio
Subject: FCC announces new licence class
Message-ID: <1990Dec13.213750.27374@xanadu.com>
Date: 13 Dec 90 21:37:50 GMT
Organization: AMIX Corporation, Palo Alto, CA
Lines: 23
Posted: Thu Dec 13 22:37:50 1990
```

Most of you probably already heard from other sources, but oh well, I'll post anyhow.

I called the ARRL during lunch today. The guy in regulatory affairs said that "the FCC announced that basically the morse code has been dropped from the tchnician class license and that the priviliges have been changed to allow operation only 6 meters and above. There will also be a more difficult test for technician".

So there you have it. A code free amateur license. Sorta like the U.K. license. He didn't mention any other changes, so I assume the novice license still exists, and that novices can upgrade to the new license by taking the more difficult test. He also didn't mention what will happen to existing technician class license holders; I assume they will keep their priviliges.

Jeff Crilly (N6ZFX)
AMIX Corporation 2345 Yale Street Palo Alto, CA 94306
jeff@markets.amix.com, {uunet,sun}!markets!jeff, N6ZFX@N6IIU.#NOCAL.CA.USA

From -1807593108879065836
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 13:01:56 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!Teknowledge.COM!unix!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Re: Ham licenses without Morse code -- News item
Message-ID: <1250305@hpnmdla.HP.COM>
Date: 14 Dec 90 21:01:56 GMT
References: <1990Dec12.231058.23895@engin.umich.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 16

In rec.ham-radio, henry@zoo.toronto.edu (Henry Spencer) writes:

... Morse is basically
>obsolete, since digital modulation techniques are far superior at punching
>clean signals through noise.

I disagree. People think that there is something magic in DSP (Digital Signal Processing), but it really is nothing more than fancy filtering. The human ear/brain is also a pretty fancy adaptive filter, and it can "fill in" missing text based on higher-level reasoning that would be impossible for a computer. For sending human-readable text at slow conversational (rag-chew) speeds over narrow bandwidth channels, CW is unmatched. It also has the advantage of simple, inexpensive equipment.

AL N1AL

From 629563078498799330
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a96fcc94d63fec1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 13:07:58 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!Teknowledge.COM!unix!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: How do I mount this feedline?
Message-ID: <1250306@hpnmdla.HP.COM>
Date: 14 Dec 90 21:07:58 GMT
References: <747.27678C8E@w8grt.fidonet.org>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 20

In rec.ham-radio, mig@cunixd.cc.columbia.edu (Meir) writes:

>In article <1250301@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:

>>
>>To bring it into the house without drilling holes, use two peices of
>>coax braid flattened into a strip. Insulate them with electrical tape
>>or whatever and run them between the sill and (casement) window. You
>>should then be able to shut and lock the window without damage.
>>
>>AL N1AL

>I have not used parallel line for transmitting purposes.
>But don't you think that it would be a mistake to run any antenna conductor or
>open-wire feedline that close to a metallic object? ...

I was assuming a wooden casement-type window. Actually my open-wire feed
is run through the wall be means of a two pairs of ceramic insulators.
This would not be an option, however, for people who don't own their own home.

AL N1AL

```
From -2371631662781190904
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 13:16:28 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!
aplcen!jhunix!mjm
From: mjm@jhunix.HCF.JHU.EDU (Michael J Mallette)
Newsgroups: rec.ham-radio
Subject: Re: MACMORSE & HyperCard Stacks
Keywords: Code_Practice FCC_Exams HyperCard
Message-ID: <7169@jhunix.HCF.JHU.EDU>
Date: 14 Dec 90 21:16:28 GMT
References: <8582@tekgvs.LABS.TEK.COM>
Organization: The Johns Hopkins University - HCF
Lines: 16
```

In article <8582@tekgvs.LABS.TEK.COM> georgep@sail.LABS.TEK.COM (George Pubanz)
writes:
->
->   I am trying to obtain copies of software for the Macintosh
->   to help my wife get her amateur ticket. I have seen references in
->   the past to MacMorse and I am very interested in this program. Are
->   there other code practice applications available for the Mac? I
->   have also read about the HyperCard stacks which allow practice of
->   the various theory elements. These too would be helpful.
->
->   I would appreciate an E-mail response from anyone who knows
->   how to get copies of these applications. Thanks for the help and
->   Happy Hollydaze.

Could you post what you find out? I'm also interested.

Mike Mallette

From 6033743193996317071
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db8d15f2c217a459,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 13:30:01 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!mips!twg.com!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: Technician Licenses (a.k.a. No Code)
Message-ID: <8444@gollum.twg.com>
Date: 14 Dec 90 21:30:01 GMT
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 26

Well, I've been waiting all morning for the crowing to start and so far the wires are silent. The only explanation I have is that the word hasn't gotten out yet. So...for those of you who haven't heard yet...

Yesterday, 13 December, the FCC formally approved a new class of no-code license. The ruling will take effect in approximately 60 days. The basic outline is as follows:

- the name of the new class of license is "Technician";
- call signs to be issued from the same class as current Novice licenses (the 2 x 3 block);
- examination requirements are the current written elements 2 and 3a only;
- examinations will be administered under the current VE program;
- the new license will grant all amateur privileges above 30 MHz.;
- upon completing a 5 wpm code exam, the new Technician will obtain the same privileges as the current Technician class licensees.

Further details on administering the program are still being worked out. All of the 18 VEC's are now conferring with the Private Radio Branch of the FCC to set up the administrative procedures for handling this.

I had expected to see this in the ARRL bulletins this morning (Friday, Dec. 14) but nothing showed up. It's a good guess something will appear about it in Monday's bulletin. FYI, my source on this is W6NLG, President of the Sunnyvale (Ca.) VEC, as communicated directly to him by John B. Johnston, Chief of the Private Radio Branch at the FCC. Cheers.

AA6KX

From 4419846538801855109
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a0340e29e2ecb5c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 14:07:34 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!ccwf.cc.utexas.edu
From: kipper@ccwf.cc.utexas.edu (Kip Ingram)

Newsgroups: rec.ham-radio
Subject: What about those of us in the half-way house?
Message-ID: <41377@ut-emx.uucp>
Date: 14 Dec 90 04:10:51 GMT
References: <748.2767FFE5@w8grt.fidonet.org>
Sender: news@ut-emx.uucp
Reply-To: kipper@ccwf.cc.utexas.edu (Kip Ingram)
Organization: The University of Texas at Austin
Lines: 14
Posted: Fri Dec 14 05:10:51 1990

OK, I think I know what the answer has to be, but I want reassurance. I passed the Novice and Tech theory and code tests on December 8, 1990. I was told that it would probably be late January or early February before my license arrived.

Will I be a new Tech or an old Tech? My guess is old, since I passed the 5 wpm code test. If it did come in as new Tech, I do have the certificate they gave me stating that I passed 5 wpm CW; that would let me upgrade to HF privs right away, right?

Somebody please tell me that I will indeed get to operate on HF.

73 de Tech Limbo Land
Kip

From 61607644000009339728
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,5dd2f14b9ce66a7c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-14 14:07:58 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!elroy.jpl.nasa.gov!lll-winken!unixhub!shelby!paulf@shasta.Stanford.EDU
From: paulf@shasta.Stanford.EDU (paulf)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: morse code
Message-ID: <32@shasta.Stanford.EDU>
Date: 14 Dec 90 22:07:58 GMT
References: <1990Dec12.231058.23895@engin.umich.edu> <1990Dec14.012315.7858@zoo.toronto.edu> <1990Dec14.152659.8250@val.com>
Organization: The Three Packeteers
Lines: 23
Xref: gmdzi sci.electronics:10208 rec.ham-radio:17905

In article <1990Dec14.152659.8250@val.com> ben@val.com (Ben Thornton) writes:
>Now, some digital modes are certainly superior to others, and some are
>more suited for usage in high-noise (QRM) radio circuits than others.
>Let's not confuse the issue by branding CW as an *ANALOG* mode, especially
>since most digital modes in use today on UHF and below are merely digitally
>modulated analog signals, like CW.

Branding CW as a "digital mode" is sort of like calling a bicycle an automobile because it has wheels. While the symbols take on discrete levels, both the encoding process and the decoding process are very analog in nature.

>If you are branding morse as obsolete because of the modulation techniques
>then HF packet, AMTOR, and RTTY are also obsolete.

The problem here is that you're confusing coding with modulation. HF packet et al are all FM in nature, which is somewhat superior to AM modes like CW when it comes to decoding (orthogonality).

Old tech myths die hard...

-=Paul Flaherty, N9FZX | Without KILL files,
->paulf@shasta.Stanford.EDU | life itself would be impossible.

From 8179885898295092692
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4deb1ea5f08148fb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,4deb1ea5f08148fb
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-14 14:29:54 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!hsdndev!husc6!unix!snmp.sri.com!larson
From: larson@snmp.sri.com (Alan Larson)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: SHUTTLE ROBOT QSO REQUIREMENT
Keywords: ROBOT QSO POOR DESIGN
Message-ID: <19151@unix.SRI.COM>
Date: 14 Dec 90 03:15:17 GMT
References: <829@idacrd.UUCP>
Sender: news@unix.SRI.COM
Followup-To: rec.ham-radio
Organization: SRI International, Menlo Park
Lines: 49
Xref: gmdzi rec.ham-radio:17860 rec.ham-radio.packet:3222
Posted: Fri Dec 14 04:15:17 1990

In article <829@idacrd.UUCP> mac@idacrd.UUCP (Robert McGwier) writes:

 [shortened slightly]

>I fear that AMSAT has not been emphatic enough in pointing out what
>is required for a successful shuttle ROBOT QSO. I disagree with
>these stringent requirements so don't shout at me (i.e. don't shoot
>the messenger). Let's say you connected to WA4SIR and you got the
>UA (your TNC said *** CONNECTED TO WA4SIR) and then you received
>your QSO number (Hello N4HY you are QSO # 234 . . . etc). You have
>a QSO and your QSL is in the mail right?   _NO_ _WRONG_.

>
>The following procedure is REQUIRED for you to be in the log IN
>ANY WAY upon its being dumped on the ground.
>
>(1) You send a connect request to WA4SIR (SABM You->WA4SIR)
>(2) You receive an ack from WA4SIR (UA WA4SIR->You)
>(3) You receive your QSO # from WA4SIR (I WA4SIR->You)
>(4) YOUR ACK TO THE I FRAME IS HEARD (RR You->WA4SIR)

>IMNSHO this was clearly a mistake. On the earlier missions if they
>heard you on a audio casette you got a card. If I sound down
>its because I too am in the QRZ and NOT the QSL list after two
>successful connects. I am urging that this be modified for the
>Ken Cameron mission. Comments?

This was not a small mistake. This was a MAJOR 30 dB error!

This procedure ensured that operators keep trying even after all reasonable conditions had been met. Fortunately for the QRM, some who believed the published procedures quit when they got the QSO number. They will be penalized for following the instructions and not adding to the QRM.

There were many published notes that claimed that once you had the number, that was it -- you had a complete contact. Now, after the mission, apparently, they change the rules.

Even as it was, I have log files showing some stations connecting over and over, and getting lots of different QSO numbers. If the system had worked as advertised, these folks would not have been rewarded for tying up the channel and blocking out the smaller stations.

Hopefully, people who believed AMSAT in the past will be less willing to do so in the future.

Alan

From -5279045548267325862
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,640ca4fa992f612c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,640ca4fa992f612c
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-14 14:44:18 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!rex!rouge!pc.usl.edu!jpd
From: jpd@pc.usl.edu (Dugal James P.)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: ARES/Data availability
Summary: ftp site exists
Message-ID: <20786@rouge.usl.edu>

Date: 14 Dec 90 22:44:18 GMT
References: <12269@hubcap.clemson.edu>
Sender: anon@rouge.usl.edu
Followup-To: rec.ham-radio
Organization: Univ. of Southwestern La., Lafayette
Lines: 29
Xref: gmdzi rec.ham-radio:17904 rec.ham-radio.packet:3234

In article <12269@hubcap.clemson.edu> bjb@hubcap.clemson.edu (BJ Backitis) writes:
>
>In the book "Your Gateway to Packet Radio", in a chapter discussing the
>use of packet radio for public service communications and emergency
>communications in particular, it mentions a piece of software called
>ARES/Data. The Clemson University ARC is interested in utilizing packet
...
It is available by anonymous FTP from pc.usl.edu; look for
pub/ham/ad12dis.exe, a self-extracting archive.

>Also, it book mentions that to use the ARES/Data program, you need the
>TNC to have the WA8DED firmware installed. Where is THIS available

I will place into the above ham directory the NORD<>LINK DED clone
software for the TNC2. The Germans added a KISS mode so it's not
like you have to throw out all your KA9Q software! I think it's
called tf12.zip (The Firmware). Look for something similar in a day
or so.

73,
-- James Dugal,   N5KNX   Internet: jpd@usl.edu
Associate Director   Ham packet: n5knx@k5arh
Computing Center   US Mail: PO Box 42770 Lafayette, LA 70504
University of Southwestern LA.   Tel. 318-231-6417 U.S.A.
--
-- James Dugal,   N5KNX   Internet: jpd@usl.edu
Associate Director   Ham packet: n5knx@k5arh
Computing Center   US Mail: PO Box 42770 Lafayette, LA 70504
University of Southwestern LA.   Tel. 318-231-6417 U.S.A.

From 8117403649868741382
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6250390c3acd97b8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 15:12:09 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!
cunixf.cc.columbia.edu!cunixd.cc.columbia.edu!mig
From: mig@cunixd.cc.columbia.edu (Meir)
Newsgroups: rec.ham-radio
Subject: Re: How do I mount this feedline?
Message-ID: <1990Dec14.071514.2943@cunixf.cc.columbia.edu>
Date: 14 Dec 90 07:15:14 GMT
References: <8604@lanl.gov> <1250301@hpnmdla.HP.COM>
Sender: Meir I. Green

Followup-To: mig@cunixd.cc.columbia.edu
Organization: Columbia University
Lines: 33
Posted: Fri Dec 14 08:15:14 1990

In article <1250301@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>In rec.ham-radio, vail@tegra.COM (Johnathan Vail) writes:
>
>>Or how about a good way to bring it into the house. I am thinking of
>>drilling two holes right through the wall and using like #12 wire to
>>go through the holes. Any better ideas?
>
>I bet you could modify some TV twin-lead standoffs to work with the
>ladder line.
>
>To bring it into the house without drilling holes, use two peices of
>coax braid flattened into a strip. Insulate them with electrical tape
>or whatever and run them between the sill and (casement) window. You
>should then be able to shut and lock the window without damage.
>
>AL N1AL

I have not used parallel line for transmitting purposes.
But don't you think that it would be a mistake to run any antenna conductor or
open-wire feedline that close to a metallic object?
I would think that it should be a min of 1 inch away from any metal (pref.
1.5 in.) and that there should be no metal between the conductors in the
parallel line.

Why don't you install a thru-wall bushing, make a hole in a plastic window
pane, or in a piece of lumber cut to size, and placed in the bottom of the
window frame. Any open areas should be insulated with foam.
The window should be secured so that burglers cannot enter, but people
can exit safely in case of an emergency.

 * * * * * * * ======================= Meir Green
* * * * * * * * ======================= mig@cunixd.cc.columbia.edu
 * * * * * * * ======================= N2JPG

From 3647739875027315430
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f91e3535ccb15e2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 15:12:24 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!apple!julius.cs.uiuc.edu!
wuarchive!uwm.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No-code announcement
Message-ID: <1990Dec14.072717.22068@ux1.cso.uiuc.edu>
Date: 14 Dec 90 07:27:17 GMT
References: <1990Dec13.212124.17756@porthos.cc.bellcore.com>

Organization: University of Illinois at Urbana
Lines: 33
Posted: Fri Dec 14 08:27:17 1990

martin@cellar.bae.bellcore.com (Martin Harriss (ACP)) writes:

><editorial mode on>
>How will they enforce this? Seems like a mess to me.

It is not likely to be as significant a problem as it might seem. KA6A pointed out to me that the additional privileges that the otherwise codeless Tech would have are just the Novice privileges and mostly CW. How many people would NOT try for the CW test and go ahead and operate CW illegally? The biggest problems with this will be on 10 meters. But it won't be anywhere nearly as difficult as granting General class privileges by this means.

>Disclaimer: This is a breaking ham-radio story, and all the details have
>yet to come out. If I have misunderstood something that was told to me,
>I apologise. If the FCC told me something wrong, too bad. Watch this
>space for details!

Once the FCC gets the official Report and Order out, we can see what the official status is, with rule change text and all. Check the Federal Register next week or so.

I am still curious what the effective date will be. 30 days lead time is typical, but not absolute. Making the effective date be Jan 1 would be convenient for identifying "early Techs" vs "late Techs" by just the year number on the license.

WHile the VEC's will be giving fewer code tests, they could very soon be giving more written tests.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -5585902976465556594
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a0340e29e2ecb5c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 15:12:31 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!wuarchive!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: FCC ACTS ON CODELESS LICENSE
Message-ID: <1990Dec14.063533.27834@athena.cs.uga.edu>
Date: 14 Dec 90 06:35:33 GMT
References: <748.2767FFE5@w8grt.fidonet.org>
Organization: University of Georgia, Athens

Lines: 13
Posted: Fri Dec 14 07:35:33 1990

In article <748.2767FFE5@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>
> >   December 13, 1990
> >
> > FCC ESTABLISHES NEW CODELESS CLASS OF AMATEUR OPERATOR LICENSE
> >   (PR DOCKET 90-55)
>
>I take back part of what I have said about them in the past. Sometimes the FCC
>does indeed do something right!!!
>

Yes, the _simplicity_ and elegance of the way they did it is quite atypical of bureaucracy, isn't it!

From 4692541762689791417
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4deb1ea5f08148fb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,4deb1ea5f08148fb
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-14 15:15:51 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: SHUTTLE ROBOT QSO REQUIREMENT
Keywords: ROBOT QSO POOR DESIGN
Message-ID: <1990Dec14.181551@envy.bellcore.com>
Date: 14 Dec 90 23:15:51 GMT
References: <829@idacrd.UUCP> <4e97da9c.14891@alpine.UUCP>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 22
Xref: gmdzi rec.ham-radio:17916 rec.ham-radio.packet:3236

For years I've been trying to tell anyone who will listen that connected-mode AX.25 is very ill-suited for "contesting" purposes. Unfortunately, the Sarex missions seem to place a very heavy emphasis on Joe and Mary HT being able to participate with no special knowledge, equipment or protocols, even though this wastes a golden opportunity to encourage Joe and Mary HT to try something new. and even though this results in absolute bedlam on the bands.

Anyway, what you really want is a simple three-way handshake. Station A sends a CQ with a sequence number. Station B responds by acking the Station A's transmission and including a sequence number of its own. Station A then acknowledges station B's transmission and goes back to calling CQ. That's it!

There is, by the way, NO protocol that will *always* ensure that two stations communicating over a lossy network will agree on whether or not they had a successful QSO. This is known as the "two-army problem" (aka the "coordinating generals' problem") and it is easily shown to have no solution. See Computer Networks by Tanenbaum, second edition, p397-398.

Phil

From -59597147249729830
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,468b4728a2b6bd79
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,468b4728a2b6bd79
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-14 15:23:18 PST
Path: gmdzi!unido!mcsun!uunet!rosevax!bert.Rosemount.COM!mikef
From: mikef@bert.Rosemount.COM (Michael Foerster)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Need Circuit for _73_ Magazine ROBOCOPY program
Summary: Schematic for ROBOCOPY program
Keywords: ROBOCOPY
Message-ID: <9498@rosevax.Rosemount.COM>
Date: 14 Dec 90 23:23:18 GMT
References: <47335@apple.Apple.COM> <1990Dec12.230720@envy.bellcore.com>
<9495@rosevax.Rosemount.COM>
Sender: news@rosevax.Rosemount.COM
Reply-To: mikef@bert.Rosemount.COM (Michael Foerster)
Distribution: all
Organization: Rosemount Inc., Burnsville, MN
Lines: 15
Xref: gmdzi rec.ham-radio:17988 rec.ham-radio.packet:3246

Could someone send me the circuit for the ROBOCOPY program that was published in the October issue of _73_ Magazine. I have the program which is intended to decode cw from the reciever speaker input, but don't have the circuit schematic. I will also need the pinouts for the serial port (25 pin and 9 pin).

The circuit is only like 2 transistors and a few other parts.
The parts list was included with the .zip file, but no schematic.

Thanks in advance.

Mike WA0VNH

mikef@bert.rosemount.com

From -8279466084688578412

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 15:27:00 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!think.com!linus!philabs!
ttidca!sorgatz
From: sorgatz@ttidca.TTI.COM ( Avatar)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <21877@ttidca.TTI.COM>
Date: 14 Dec 90 23:27:00 GMT
References: <18130@shlump.nac.dec.com> <831@idacrd.UUCP>
Organization: Citicorp/TTI, Santa Monica
Lines: 20

In article <831@idacrd.UUCP> mac@idacrd.UUCP (Robert McGwier) writes:
+>   It does not appear at this time that the 13 and 20 WPM code exams
+>   will be changed unless it is done under NPRM 90-55 (Communicator)
+Yes but I wonder how long it will be before some ham sues on the basis of
+reverse discrimination or some such thing as this.  If an exception is made
+for a certain group, the death of the requirement cannot be far behind it
+would seem to me.,
+
 Better yet, a class action lawsuit! Since current TECH license holders are
a greater that 51% majority of all grades of licensees, it would seem only
logical that the 13 WPM requirement be DROPPED! And that all licensees that
have credit for Elements 3a&b be grandfathered General privs. The same should
apply to Advanced licensees that can pass Element 4b. Face it, CW's an artform
not an absolute standard of merit or measure! And it's days are numbered...!

-Avatar-> (aka: Erik K. Sorgatz) KB6LUY           +-------------------------+
Citicorp(+)TTI                            *----------> panic trap; type = N+1 *
3100 Ocean Park Blvd. Santa Monica, CA  90405     +-------------------------+
{csun,philabs,psivax,pyramid,quad1,rdlvax,retix}!ttidca!sorgatz **
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR ITS MANAGEMENT!)


From -3556358412947132342
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 15:27:04 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Internet-Packet Reply (LONG!)
Summary: unattended telemetry
Message-ID: <662@ssc.UUCP>
Date: 14 Dec 90 23:27:04 GMT
References: <1250288@hpnmdla.HP.COM> <3058@wyse.wyse.com> <658@ssc.UUCP>
<1990Dec12.184851.29531@cunixf.cc.columbia.edu>
Organization: very little
Lines: 25
```

In article <1990Dec12.184851.29531@cunixf.cc.columbia.edu>,
mig@cunixb.cc.columbia.edu (Meir) writes:
> In article <658@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
> >
> >What about repeaters that have a burglar alarm to indicate on the air
> >when an intruder has entered the area? Would this be illegal, because
> >like the caller on the phone, the intruder might not be a licensed ham?
>
> No; it would be legal because it involves the immediate protection of property
> and possibly of limb (maybe the intruder isn't a ham and hasn't seen a 2 KV
> power supply before). In such an emergency, there is no question as to
> legality.

I don't think so. With this logic, I could go around installing wireless
burglar alarm systems that used ham radio frequencies, and claim that
it was all legal because it was emergency communications.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 6113358468666430135
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,54131078de5c12d9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 15:37:48 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!
aplcen!boingo.med.jhu.edu!haven!decuac!shlump.nac.dec.com!ggone.enet.dec.com!
pierson
From: pierson@ggone.enet.dec.com (Dave Pierson)
Newsgroups: rec.ham-radio
Subject: Re: W.W.II
Summary: LF footnote
Keywords: WWII, History, LF
Message-ID: <18215@shlump.nac.dec.com>
Date: 14 Dec 90 23:37:48 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 22

In article <18138@shlump.nac.dec.com>, goldstein@delni.enet.dec.com
(Fred R. Goldstein) writes...

>I'm not THAT old, but I've read a bit about it, and even once had some
>1940's QSTs that were discussing what to do after the war ended and the

>hams could get back on the air.

Additional footnote. From (i forget) but probably a WWII vintage Radio Amateurs Handbook (they kept printing em...), there were articles on LF License Free ops and "wired wireless" (power line propagated LF.) I have no idea if these were actually used. I seem to recall that in certain areas (near military bases, ferinstance) even these were forbidden.

thanks
dave pierson |the facts, as accurately as i can manage,
Digital Equipment Corporation |the opinions, my own.
600 Nickerson Rd
Marlboro, Mass
01752 pierson@cimnet.enet.dec.com

"He has read everything, and, to his credit, written nothing." A J Raffles

From 6423147843144176431
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a502a0e0ca9b4707
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 16:20:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: NEW NOVICE Seeks advice on first rig.
Message-ID: <7880386@hpfcdc.HP.COM>
Date: 15 Dec 90 00:20:44 GMT
References: <10183@bunny.GTE.COM>
Organization: HP Fort Collins, Co.
Lines: 22

>Congratulations and welcome.

Ditto, Jeff, Welcome.

>Better to wait a little now and find one you really like. Some rigs to
>try include the ICOM 735 and 725, Kenwoods TS140 or TS440. Yaesu also
>makes similar rigs but I'm not familar with the numbers.

The Yaesu numbers are 757 and 767. I'm considering the 757 as my second rig, which is the cheapest of all of the above numbers.

The other school on this says to spend as little as possible on your first rig, see what annoys you the most, then trade for something that doesn't annoy you. I bought a Kenwood TS520 for ~$350 (less than most HTs), and have had a great time with it. The 520 has discrete transistors, 3 transmitting tubes, analog dial, and no synthesizer.

Curiously, Ten-Tec offers two versions of their top-of-the-line, one

that is synthesized, and one that is not. I think the Paragon is the
one for those people that are fed up with synthesizer birdies.

Perry / KF0CA

From -1445545117687904727
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5c9f86ba51bb62f6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 16:21:14 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!
apple!agate!shelby!unix!hplabs!hpfcso!vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: The Hate Herbie Net
Message-ID: <7500064@hpfcso.HP.COM>
Date: 15 Dec 90 00:21:14 GMT
References: <36478@cup.portal.com>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 42

> / hpfcso:rec.ham-radio / tad@ssc.UUCP (Tad Cook) / 12:02 pm Dec 9, 1990 /
> In article <1990Dec5.055022.20295@informix.com>, randall@informix.com (Randall
Rhea) writes:
> > In article <1990Dec3.174656.27983@dcdwest.uucp> plb@dcdwest.uucp (Phil Blais)
writes:
> > >In article <1990Dec1.064203.3875@lopez.UUCP> flash@lopez.UUCP (Gary Bourgois)
writes:
> > >>
> > >>The 20 meter mess has taken a new turn. Herb KV4FZ and his BARF group ...
> > >
> > >I envision an isolated island somewhere with only 2 mtr lo power single
> > >channel HT's (no repeaters or beams allowed), throw in K1MAN and his
> > >constant dribble and let them have at it. Forever is a long time :-)
> >
> > How about this for a "ham hell": put Herbie and Co. in large, steel-frame
> > apartment building, where every other resident has TV sets with indoor
>
> (Various descriptions of ham purgatory were deleted)
>
> There was a fiction article in one of the ham magazines in the 1960s
> where the deceased ham finds himself in what must be a ham paradise
> in the hereafter. He is shown a HUGE station, with every kind of exotic
> antenna available...all the latest gear, big amplifiers, etc.
>
> But when he gets on the air and calls CQ, no one comes back...and he
> can't hear anyone either.

In the version of this story that I read, all he could hear was rare and
exotic dx who always answered him on the first call.

>

> When he complains to his hosts, they say: "Just where did you think you
> were? This is hell."
>

Same ending.

>
>
> Tad Cook
> ----------

That may have been when I started operating QRP. :-)

Bill - WA7NWP

From -4024577510589750697
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,35d3e60cb0b10693,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 16:28:47 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!apple!agate!shelby!unix!hplabs!hpfcso!vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: 10 meter rig recommendation?
Message-ID: <7500065@hpfcso.HP.COM>
Date: 15 Dec 90 00:28:47 GMT
References: <1990Dec5.212046.11491@midway.uchicago.edu>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 20

/ hpfcso:rec.ham-radio / alanb@hpnmdla.HP.COM (Alan Bloom) / 6:10 pm Dec 12, 1990 /
>to hurt anything.

I agree with the comment about using CW. It is definitely illegal to modify a ham rig to operate on CB as the radio is not type-accepted for that service.

AL N1AL

This is a good question for all the net-lawyers.

Is it illegal to modify a rig to RECEIVE CB?

Is it really illegal to modify a rig to make it capable of transmitting on the CB band?   There's no question that it's against the rules to transmit with it. Is the mere ownership of a non-type accepted CB rig illegal?

Bill - WA7NWP

"When clipping diodes is outlawed - only outlaws will have clipped diodes."

From 7314474188733435781
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6250390c3acd97b8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 16:35:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: How do I mount this feedline?
Message-ID: <7880387@hpfcdc.HP.COM>
Date: 15 Dec 90 00:35:27 GMT
References: <8604@lanl.gov>
Organization: HP Fort Collins, Co.
Lines: 11

Re: running twinlead down the exterior wall and into the house

When I installed some twinlead, I just nailed it to the side of the house with 1" box-type nails. To bring it inside, I drilled a line of closely-space holes, then joined all the holes into a slot by twisting the drill sideways. To keep the bugs out, I then used silicone caulk around to drilled slot.

I haven't started any fires... yet. :)

Perry

From 5107437072566787846
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 16:44:20 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!apple!agate!ucbvax!
cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9012150044.AA01342@tilde>
Date: 15 Dec 90 00:44:20 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13

Re: No-Code license

Now that it's here, we must learn to live with it. I understand that there will be 2 classes of Technicians: one who has passed 5WPM and has all current Tech privileges; and one who has not demonstrated the Morse code ability, and is restricted to 30 Mhz and above. I also understand that there will be no call-sign differentiation. So how will we bge able to tell if a Tech who is operating below 30 MHz is authorized to do so?

73,
Dube   N5PDK

"Why waste time learning, when ignorance is instantaneous?" -Hobbes

---

From -6373390340109383182
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,37f931d7f0e38414,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,37f931d7f0e38414,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-12-14 18:31:57 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pt.cs.cmu.edu!rochester!rutgers!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: * SpaceNews 17-Dec-90 *
Keywords: U2MIR, OSCAR-21
Message-ID: <385@ka2qhd.UUCP>
Date: 15 Dec 90 02:31:57 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 109
Xref: gmdzi rec.ham-radio:17958 sci.space:18400

SB SPACE @ ALLBBS < KD2BD $SPC1217
* SpaceNews 17-Dec-90 *

Bulletin ID: $SPC1217

=========
SpaceNews
=========

MONDAY DECEMBER 17, 1990

SpaceNews originates at KD2BD in Wall Township, New Jersey, United States. It is published every week and is made available for unlimited distribution.

* MIR NEWS *
============
U2MIR has once again become active from the Mir space station complex. Simplex radio contacts with U2MIR can be made on a frequency of 145.550 MHz FM when the amateur radio experiment is active and the spacecraft is above your horizon. U2MIR was supposed to contact WA4SIR on the Space Shuttle (STS-35), but due to Columbia's early return to Earth, the contact was

never established.

* OSCAR-21 NEWS *

The launch of AMSAT-OSCAR-21/RM-1/RS-14/RUDAK-2 has been postponed until 07-Jan-91 so that a Soviet official may witness the launch.

RUDAK-2 will not only carry a Mode B linear transponder, but also a variety of packet radio experiments with data rates from 400 to 9600 bps using various modulation schemes. It will be compatible with AX.25 protocols and those amateurs equipped for FO-20, PACSAT, LUSAT, AO-13 PSK telemetry, and UO-14.

Linear Transponder Uplink: 435.030 - 435.120 MHz (90 KHz)
Linear Transponder Downlink: 145.880 - 145.970 MHz (inverted)
O/P Power: 12 watts max.
Beacon : 145.880 MHz, CW telemetry.

Gain of satellite RX/TX antennas: 2.3 dBi each (dipoles)
Input sensitivity: -125 dBm (435 MHz) for a C/No of 45 dB/Hz

SAT-RX-1: 435.016 MHz +-10 KHz 1200 bps, FSK, NRZIC/Biphase-M (JAS, PACSAT)
SAT-RX-2: 435.155 MHz +-10 KHz (AFC) 2400 bps, BPSK, Biphase-S
SAT-RX-3a: 435.193 MHz +-10 KHz (AFC) 4800 bps, RSM, NRZIC/Biphase-M
SAT-RX-3b: 435.193 MHz +-10 KHz (AFC) 9600 bps, RSM, NRZI (NRZ-S) +Scrambler
SAT-RX-4: 435.041 MHz +-10 KHz (digital AFC) RX for RTX-DSP experiments

The downlink can be switched to the following operating modes:
Transmit frequency: 145.983 MHz

Mode 1: 1200 bps, BPSK, NRZI (NRZ-S) (like FO-20)
Mode 2: 400 bps, BPSK, Biphase-S (AMSAT mode for OSCAR-13 beacon)
Mode 3: 2400 bps, BPSK, Biphase-S (planned for OSCAR-13)
Mode 4: 4800 bps, RSM, NRZIC (Biphase-M) (like 4800 bps uplink)
Mode 5: 9600 bps, RSM, NRZI (NRZ-S) + Scrambler (like 9600 bps uplink)
Mode 6: CW keying (only for special events)
Mode 7: FSK (F1 or F2B), e.g. RTTY, SSTV, FAX, etc. (only for special events)
Mode 8: FM modulated by D/A signals from DSP-RISC processor (e.g. speech)

RUDAK-2 is a joint project of AMSAT-U-ORBITA, the Adventure Clubs in Moscow and the AMSAT-DL/RUDAK Group in Marburg, Munich and Hannover.

[From: DB2OS & DJ0HC/KE6MN via OSCAR-11 07-Apr-90]

* TNX QSL! *

A special thanks to all those who sent QSLs, cards and letters to SpaceNews:

KF6J : Lou Godat, Mission Viejo, California, U.S.A.
N4WAO : Denis Wood, Eastville, Virginia, U.S.A.

...and e-mail messages:

KG2U, NK8Y, N8AHO, KB0AGD

* FEEDBACK WELCOMED *
=====================
Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

```
INTERNET : kd2bd@ka2qhd.de.com
PACKET   : KD2BD @ NN2Z.NJ.USA.NA
UUCP     : ...!rutgers!ka2qhd!kd2bd

MAIL     : John A. Magliacane, KD2BD
           Department of Electronics Technology
           Advanced Technology Center
           Brookdale Community College
           765 Newman Springs Road
           Lincroft, New Jersey 07738
           U.S.A.
```

<< If you like what you see, send us your QSL card! >>

```
/EX
--
John A. Magliacane                 FAX  : (908) 747-7107
Electronics Technology Department  AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College        UUCP : ...!rutgers!ka2qhd!kd2bd
Lincroft, NJ  07738  USA           VOICE: (908) 842-1900 ext 607
```

```
From -3089812923574824534
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6250390c3acd97b8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 19:04:09 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: How do I mount this feedline?
Message-ID: <755.27694CB9@w8grt.fidonet.org>
Date: 15 Dec 90 03:04:09 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 31


 > From: mig@cunixd.cc.columbia.edu (Meir)
 > Date: 14 Dec 90 07:15:14 GMT
 > Organization: Columbia University
 > Message-ID: <1990Dec14.071514.2943@cunixf.cc.columbia.edu>
 > Newsgroups: rec.ham-radio
```

>
> I have not used parallel line for transmitting purposes.

Works very well. FOUR conductor parallel line works even better. Commonplace
(once upon a time) at commercial installations for very long transmission
line runs.

> But don't you think that it would be a mistake to run any antenna
> conductor or
> open-wire feedline that close to a metallic object?
> I would think that it should be a min of 1 inch away from any metal
> (pref.
> 1.5 in.)

1 or 1.5 inches can be tolerated for metal running at right angles to the
line. For metallic conductors running parallel to the line 6 inch separation
would be an ABSOLUTE minimum.

Another tip: avoid sharp bends in the line. Circular bends at least 1/20
waveength long at the lowest frequency should be used.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -894096677268794978
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b069dfd2cee136a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 19:42:56 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!envy!karn
From: karn@envy..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Henry Spencers un-enlightened ignorant remarks
Message-ID: <1990Dec15.034256.4053@bellcore.bellcore.com>
Date: 15 Dec 90 03:42:56 GMT
References: <1990Dec14.145827.14942@lonex.radc.af.mil>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@envy.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 48

In article <1990Dec14.145827.14942@lonex.radc.af.mil> szarekw@lonexc.radc.af.mil
(William J. Szarek) writes:
>Dear Mr. Spencer
>
> Your comments regarding my favorite part of this wonderful hobby were not
>appreciated. Such slander serves no purpose except to segregate the already
>dwindling and politically impotent ham radio fraternity (es sorority :-).

Lighten up, Bill. The no-code battle is over, and the no-code license proponents won. This does not mean that the pro-code proponents lost. Those who like code are perfectly free to continue using it. (This even includes me from time to time.) Your overreaction to Henry's gentle ribbing reminds me of Shakespeare's line "methinks thou dost protest too much."

>"because they're stranded on a desert island which is well-supplied with
>analog electronic parts but has no digital parts." Very good old boy, i almost
>missed your subtle sense of humor. I wasn't sure, for a min., that you knew
>that phone transmitters need analog parts more than cw transmitters do.
>QRP CW rigs can be made that use a nand gate as the final amp! cant do that
>with phone. Hmmmm, cant do that with packet, need analog there too . . .
>even funnier still good show!

Are there no new arguments under the sun? Sigh. To paraphrase my reply comments on 90-55, how come you guys only mention the simplicity of the CW *transmitter*? It seems to me that a workable CW *receiver* is quite a bit more complex than the simplest AM receiver, the crystal set.

>"Morse is basically obsolete, since digital modulation techniques are far
>superior at punching clean signals trough noise" Sorry, here you are simply
>wrong. I suppose you could argue speed but not punching through. I have
>never seen a qrp (really qrp not 5 watts) rig that could successfully punch
>through a paper bag using "digital modulation techniques". However I do
>recall a QST article featuring a guy who got WAS on a qrp rig that used a
>nand gate for the final (i think it was something like .1mW output). No
>insult intended.

This argument is also answered in detail in my reply filing, and Bill, *you* are simply wrong. Rather than repeat the entire thing here, I refer you to it. Suffice to say that CW, as it is generally used in amateur radio (on-off keying of a carrier) is *extraordinarily* inefficient in terms of both bandwidth and power. Many computer-oriented digital transmission techniques exist that are far more efficient than manual CW, and some of them are even in use by amateurs. (This is not to say that these techniques don't also have a lot of room for improvement - they do.)

Phil

From -892008220941630320
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a0340e29e2ecb5c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 19:54:12 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: FCC ACTS ON CODELESS LICENSE
Message-ID: <756.27696A41@w8grt.fidonet.org>
Date: 15 Dec 90 03:54:12 GMT

Organization: QRV de W8GRT, Sylvania, OH
Lines: 18

> From: bill@platypus.uofs.edu (Bill Gunshannon)
> Date: 14 Dec 90 13:27:37 GMT
> Organization: University of Scranton, Scranton, PA
> Message-ID: <200@platypus.uofs.edu>
> Newsgroups: rec.ham-radio
>
>
> Somebody correct me if I have bits missing in my memory, but isn't this
> the way it used to be before they gave Technicians access to the Novice
> portions of the HF bands??

No. The "tech" has always had a 5 WPM code test.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 1054194998018513845
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 20:17:15 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <757.27696A45@w8grt.fidonet.org>
Date: 15 Dec 90 04:17:15 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 45

> From: alan@adept.UUCP (Alan Ruffer)
> Date: 14 Dec 90 04:04:29 GMT
> Organization: Perfect Partners Inc., Sulphur, LA
> Message-ID: <346@adept.UUCP>
> Newsgroups: rec.ham-radio,news.groups
>
> I guess your license says ham on it? Hmmm, funny mine doesn't, it says
> Amateur.

The "penny" on my desk says "cent", too. So what?

> A tree must bend with the wind or BREAK.

In a storm, yes. Any storm here is a figment of the imagination.

> So too we must be flexible, in
> our
> choices, when having to deal with a medium external to our usual
> pusuits.

Ah, but we don't HAVE to deal with this external medium. We particularly don't HAVE to rename ourselves to suit it. It's all a matter of OUR personal preference. I don't recall any messages from the Lord High Poobah of Newsgroups saying, "OK, you turkies, we need to change the name of that thing!"

> I'm somewhat at a loss to understand who gave you charge of defining
> for others what their hobbys may or my not be though...

I didn't decide it. I just saw it and pointed it out.

> This should be applied wherever possible. The problem is things are not
> right or there never would have been a call for reorganization.

Wrong. Some people just don't know when to leave well enough alone.

> This is a refuge for those without the initiative to make things better.

Ah, now who's deciding things for others?

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -3652879064411162801
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e29fc30af80b5b1c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 21:08:01 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!envy.bellcore.com!karn
From: karn@envy.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: no-code info - from Compuserve
Message-ID: <1990Dec15.050801.5541@bellcore.bellcore.com>
Date: 15 Dec 90 05:08:01 GMT
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@envy.bellcore.com (Phil Karn)
Organization: Bell Communications Research, Inc
Lines: 65

---- CompuServe, 12/14/90, 4:18:58 PM, HamNet Ham Radio Network ----

Message: #35272, S/1 Your Ham License
Date: Thu, Dec 13, 1990 5:40:14 PM
Subject: NO-CODE IS HERE! [1]
From: Benn Kobb KC5CW 75676,1705

To: ALL

The FCC today rejected the Communicator Class no-code amateur license proposal. Instead, it deleted the Morse code requirement from the Technician license. The vote was 5-0.

The full text of the Commission decision has not been released. It is expected in a few days or weeks. Only the News Release is available.

Here is the text of the FCC News Release, Dec. 13, 1990:

* * *

[text deleted

* * *

---- CompuServe, 12/14/90, 4:19:09 PM, HamNet Ham Radio Network ----

Message: #35282, S/1 Your Ham License
Date: Thu, Dec 13, 1990 7:50:08 PM
Subject: NO CODE IS HERE! [2]
From: Benn Kobb KC5CW 75676,1705
To: ALL
Reply: #35303 (3 replies)

NO-CODE TECHNICIAN CLASS AMATEUR RADIO LICENSE Q&A (Based on FCC info)

Q: How does the "new" Technician obtain HF privileges (below 30 MHz)? A: By passing a 5 WPM Morse code test. The Volunteer Examiner (VE) will award a Certificate of Successful Completion of Examination (CSCE) and will notify the FCC that the Technician has completed the Morse test. This CSCE will be valid for life. No new license or callsign will be issued.

Q: Will the "HF" Technician have to identify in any special way? A: No. The FCC decided not to require a suffix or any other special ID for Technicians, whether or not they have passed 5 WPM. The regular callsign system will continue in effect. The only indicator that one has HF privileges will be the CSCE and the name on file at the VE Coordinator and FCC.

Q: I already have a Technician license. Does anything change for me? A: No. You will keep all current privileges including your HF privileges.

Q: The FCC proposed to get rid of Novice Class. Did this happen? A: No. Novice will remain as is.

Q: How many questions will there be on the Technician written test? A: Fifty-five. The FCC decided not to require extra written questions about the "utility and tradition" of Morse code.

Q: When will the "New" Technician license be available? A: By February, according to FCC staff.

Q: Why did the FCC do this? A: "The Amateur Service is not growing to the extent it probably should, based on what it has to offer. One of the reasons we think that providing a non-code entry will be helpful is that it will get people, particularly young people who have a primary interest in digital communications and computers, interested in this service." - Private Radio Bureau chief Ralph Haller, N4RH

```
From 8033002188380314894
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f81bdd14f1d276f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 21:29:04 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!usc!ucsd!ucbvax!
JPNTSUK2.BITNET!870383
From: 870383@JPNTSUK2.BITNET (Toshiki KOMATSU)
Newsgroups: rec.ham-radio
Subject: Re: WP server in JA.
Message-ID: <9012162310.AA05009@ucsd.edu>
Date: 15 Dec 90 05:29:04 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
```

>   RLI/MBL Network is popular in JA packet . Then someone asked me
>calls of WP server . Now , JR1YDM.JNET1.JPN is storing many data
>of user / sysop .

     Hello OM.
     I posted this, but now I've got a information that WP server
is not working enough in JA-RLI . You can derivery as
"call@bbscall.JNET?.JPN.AS"
to come sure .
     73.

/ KOMATSU Toshiki
Coll.of Phisical Sci.(chem.) ,The Univ.of Tsukuba ,Tsukuba-city .
Phone :+81-(0)298-514590 S-mail:P.O.Box 53,Tsukuba-Gakuen,305,JAPAN
RLInet:JF7WED@JF7WED.#14.JNET1.JPN.AS (MBX98 , Loc.QM06BC)

```
From 2142389384808043304
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db8d15f2c217a459
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 00:14:11 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!
netcom!edg
From: edg@netcom.UUCP (Edward Greenberg)
Newsgroups: rec.ham-radio
Subject: Re: Technician Licenses (a.k.a. No Code)
Message-ID: <18859@netcom.UUCP>
```

Date: 15 Dec 90 08:14:11 GMT
References: <8444@gollum.twg.com>
Organization: Netcom- The Bay Area's Public Access Unix System {408 241-9760 guest}
Lines: 29

In article <8444@gollum.twg.com> sawyer@twg.com (Bruce B. Sawyer) writes about a conversation with the president of the Sunnyvale (CA) VEC who spoke directly to John Johnson of the Personal Radio Division of the FCC:

> - call signs to be issued from the same class as current Novice licenses
> (the 2 x 3 block);

Did he really say this? Or did he say that it's true in 6-land where there are no more N6 calls available?

>Monday's bulletin. FYI, my source on this is W6NLG, President of the Sunnyvale
>(Ca.) VEC, as communicated directly to him by John B. Johnston, Chief of the
>Private Radio Branch at the FCC. Cheers.
>   AA6KX

You know, I got my first info from the Sunnyvale VEC's recorder and thought I was hearing more than in the FCC's press release reprinted here. Apparently this is why.

One other thing that Sunnyvale stated, which was not in thepress release was that testing was expected to begin on 15 February 91. The date was specific.

-edg

--
Ed Greenberg   WB2GOH/6
edg@netcom   {amdahl | amdcad | apple}!netcom!edg
CompuServe: 76703,1070   Packet Radio: WB2GOH @ N6LDL.CA.USA.NA

From -5970468233863672535
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9121cf317f45ce83,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 00:15:04 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!psuvax1!psuvm!ricevm1.bitnet!jkoss00
From: JKOSS00@RICEVM1.BITNET (Jordan Kossack)
Newsgroups: rec.ham-radio
Subject: Homebrew - help wanted
Message-ID: <1792JKOSS00@RICEVM1>
Date: 15 Dec 90 08:15:04 GMT
Organization: Rice University - W5YG
Lines: 29

Howdy

I was wondering if anyone knew where I might find a ckt diagram
or plans for a homebrew 2m FM rig. I mainly would like to build
something to use a local repeater, so it should be able to do a
rcv/xmt shift and put out at least 5W running off 12V. Rock bound
is fine, since I just need to hit the one machine, but I wouldn't
complain if it was tunable - as long as it is stable, since the
rig is meant for mobile operation. I want to do this because I
need a knock-around rig for the car (using the HT mobile is a
pain) and because I like the smell of solder. However, if this
would be too expensive, I'll probably pick up an old rock bound
mobile rig at a swap meet instead.

I would prefer sources you know have such a circuit rather than
'I think X might have something like that.' I looked in my copy
of the ARRL Handbook and all the 2M stuff seems to be transverters
for an HF rig. Does anyone know if the 1991 Handbook has anything
new in this area?

Please reply via e-mail. I _DO_ read this newsgroup, but I don't
know if this subject has a wide appeal. If you think it does ...

----

jkoss00@ricevm1.rice.edu | Jordan Kossack | n5qvi | +1 713 799 2950

EE Student, KTRU Engineering Staff and All-Around Radio Geek

From -2610195390810029606
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31a8360191158b8e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 00:21:28 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!ncar!noao!arizona!naucse!rrw
From: rrw@naucse.cse.nau.edu (Robert Wier)
Newsgroups: rec.ham-radio
Subject: Re: Another Look at Radar Detector Legality for Hams
Message-ID: <3069@naucse.cse.nau.edu>
Date: 15 Dec 90 08:21:28 GMT
References: <9012110416.AA23478@uunet.uu.net>
<YETSKO.90Dec11101834@interlan.interlan.com>
Organization: Northern Arizona University, Flagstaff AZ
Lines: 25

Regarding Photo Radar -
A similar scheme was tried about 20 years ago in Arlington, Tx
(between Dallas and Fort Worth). There was a camera mounted on
a pole, and if you crossed two sensor wires in the pavement too

fast, it took a picture. This had only one major effect - since it was stationary, everyone would speed like crazy until they got up to the sensors, and then cram on the brakes. Lots of accidents there because people who didn't know about the system weren't expecting the guy in front to "panic" brake from 70 down to 50 in the middle of an open area.

Also, EVERY single weekend, someone would go out with a spray can of black paint and opaque out the lens. (not that I would suggest such a thing)...

- Bob Wier

-------------- insert favorite standard disclaimers here ----------
College of Engineering
Northern Arizona University / Flagstaff, Arizona
Internet: rrw@naucse.cse.nau.edu | BITNET: WIER@NAUVAX | WB5KXH
or uucp: ...arizona!naucse!rrw

From -3563170734901145690
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b39b51f887746cb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 00:57:50 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!ncar!noao!arizona!naucse!rrw
From: rrw@naucse.cse.nau.edu (Robert Wier)
Newsgroups: rec.ham-radio
Subject: Re: 10 meter rig recommendation?
Message-ID: <3070@naucse.cse.nau.edu>
Date: 15 Dec 90 08:57:50 GMT
References: <1990Dec5.212046.11491@midway.uchicago.edu> <7500058@hpfcso.HP.COM>
Organization: Northern Arizona University, Flagstaff AZ
Lines: 31

In article <7500058@hpfcso.HP.COM>, vodall@hpfcso.HP.COM (Bill Vodall) writes:
> Why say UGH? CB out of the cities is a useful and fun personal communications
> system. Which is exactly what it's meant to be.

Several times a year I drive (more like commute) between Flagstaff Az, and Ouray, Co. I've found that once you get away from the interstates there is *nothing* even on CB. A VERY few times I've heard Navajo up on the reservation, but that's it.

Once you get a little further east, it's not so bad (like Texas :-))... This summer I made several trips between Flagstaff and Fort Worth. Was driving in towards Amarillo about 9 at night when I passed a van with a WB0... license plate. I have my WB5... plates on. I switch on the CB and sure enough there he is. We had a nice qso, although it was tough to remember not to use our callsigns. Turns out he was originally licensed in

Denver, but was now living in Texas so he had what used to be
called an "out of area" license plate. I was originally licensed
in Dallas, so I have a my WB5... call on an "out of area" Colorado
plate. We had a big chuckle over this. Things sure have gotten
confused.

73s

 - Bob Wier

 -------------- insert favorite standard disclaimers here ----------
                      College of Engineering
         Northern Arizona University / Flagstaff, Arizona
  Internet: rrw@naucse.cse.nau.edu | BITNET: WIER@NAUVAX | WB5KXH
                or   uucp: ...arizona!naucse!rrw

From 4933439604626191317
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 07:12:42 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <4456@lib.tmc.edu>
Date: 15 Dec 90 15:12:42 GMT
References: <24391@ucsd.Edu> <721@philica.ica.philips.nl> <3029@crdos1.crd.ge.COM>
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 14
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <3029@crdos1.crd.ge.COM> davidsen@crdos1.crd.ge.com (bill davidsen)
writes:
> Another one. I see most of the posting support a name indicating that
>legal is not the best name for this group. Is the proposer listening?

Well, I'm listening as best as I can, given a machine that's been sporadic in
receiving news the past week or two...

Tell you what. Come up with a name that describes the intended traffic as well
as .legal, and is more inclusive than .rules, .regs, or .regulations, and I'll
adopt it. Fair enough?
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
  "...flames are a specific art form of Usenet..." -- Gregory C. Woodbury

From -8200003074271229740
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 08:20:19 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!uupsi!njin!rutgers!
mcnc!unccvax!cs00jmc
From: cs00jmc@unccvax.uncc.edu (John Covington WN4BBJ)
Newsgroups: rec.ham-radio
Subject: Re: New Technician (was Re: (none))
Message-ID: <3019@unccvax.uncc.edu>
Date: 15 Dec 90 16:20:19 GMT
References: <9012150044.AA01342@tilde>
Reply-To: cs00jmc@unccvax.uncc.edu.UUCP (John Covington WN4BBJ)
Organization: University of North Carolina at Charlotte
Lines: 23

In article <9012150044.AA01342@tilde> dube@cpdvax.csc.ti.com writes:
>is restricted to 30 Mhz and above. I also understand that there will be no
>call-sign differentiation. So how will we bge able to tell if a Tech who
>is operating below 30 MHz is authorized to do so?
>

You certainly can't do it by callsign for ANY license class. Can you
tell by my callsign whether I am authorized to operate on 7.018 MHz?

As someone else pointed out recently, even the callbook data comes
out too infrequently to use that as a judge of someone's license
class. So you will have a hard time immediately proving that anyone
is out of band, not just the new Technicians.

On a slightly different subject:
Has anybody ever heard of a case when someone has been cited for
out-of-band operation during a contest? I would think the nature
of the beast would make it unlikely.
--
John Covington WN4BBJ   Internet: cs00jmc@unccvax.uncc.edu
P.O. Box 217122   MCI Mail: JCOVINGTON 342-6957
Charlotte, NC 28221-7122 Packet Radio Mail: WN4BBJ @ W4BFB.NC.USA.NA
(704) 537-7653   "Kenneth, what's the frequency?" "I dunno, ask Dan"

From -4437068586673116218
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 12:12:06 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!zaphod.mps.ohio-state.edu!
rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <VyL9T5w163w@phoenix.com>
Date: 15 Dec 90 20:12:06 GMT
References: <346@adept.UUCP>

Organization: One Man Brand
Lines: 25

alan@adept.UUCP (Alan Ruffer) writes:

> I guess your license says ham on it? Hmmm, funny mine doesn't, it says
> Amateur. I don't think the discussion had anything to do with dogs. 8-)

Mine says neither rec.ham-radio nor rec.radio.amateur. It does use the word "license". If what the license says is what we should use, then the group name should be amateur.radio.license.

> >Law: If it ain't broke, don't fix it.
>
> This should be applied wherever possible. The problem is things are not
> right or there never would have been a call for reorganization.

The name is not broken. Don't fix it. The structure is broken. Fix that. Changing the name is not chaging the structure.

> >Corollary: Even if it's broke, I like it that way.
> >
> This is a refuge for those without the initiative to make things better.

There is still no evidence that renaming the group will make it better. Look up the word "ham". Look up the word "amateur". See which definition talks about radio. See which one doesn't.

From -6079997404048173128
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b39b51f887746cb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 12:35:17 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!newstop!sun!amdcad!mozart.amd.com!nucleus!brian
From: brian@nucleus.amd.com (Brian McMinn)
Newsgroups: rec.ham-radio
Subject: Re: 10 meter rig recommendation?
Message-ID: <1990Dec15.203517.21199@mozart.amd.com>
Date: 15 Dec 90 20:35:17 GMT
Sender: usenet@mozart.amd.com (Usenet News)
Organization: Advanced Micro Devices, Austin, TX
Lines: 36

Bill Vodall writes:
| Is it illegal to modify a rig to RECEIVE CB?

No. My unmodified DX-440 (Shortwave Rec.) is not type accepted and does receive CB.

| Is it really illegal to modify a rig to make it capable of

| transmitting on the CB band? Is the mere ownership of a non-type
| accepted CB rig illegal?

No. If it were, then it would be illegal to run ANYTHING with a 27MHz crystal in it. Last I checked, it was legal for a ham to modify a commercial amplifier (for personal use ONLY) such that it worked in the 10m band. This sort of modification almost always results in these amplifiers working in the CB band as well since the amp isn't really all that picky about a megahertz here or there. Thus, most hams who own 10m amps inadvertantly own CB amps.

It is illegal to transmit on the CB bands with non type accepted gear. Also, a type accepted CB radio which has been modified for ham use is no longer type accepted for use as a CB radio.

The long and short of it is this: if you want to have both a 10m radio and a CB in your car like I do, you can either operate illegally in the CB band or you can carry two radios. Given how cheap used CB radios are, there is no monetary reason to not carry two rigs. Given how small some cars are, there are lots of physical reasons. I finally chose to mount a ham rig in the car and toss the CB on the front seat when I really want/need to use it.

---
--
```
   Brian McMinn                 brian@amd.com
   Advanced Micro Devices       N5PSS
   Austin, Texas                1-(512)-462-5389
```
"Sometimes the best feature of a CB is the switch position marked OFF."

From 7174937878276601970
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 12:46:18 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!envy!karn
From: karn@envy..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Re: Ham licenses without Morse code -- News item
Message-ID: <1990Dec15.204618.16146@bellcore.bellcore.com>
Date: 15 Dec 90 20:46:18 GMT
References: <1990Dec12.231058.23895@engin.umich.edu> <1250305@hpnmdla.HP.COM>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@envy.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 35

In article <1250305@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>People think that there is something magic in DSP (Digital
>Signal Processing), but it really is nothing more than fancy filtering.
>The human ear/brain is also a pretty fancy adaptive filter, and it can
>"fill in" missing text based on higher-level reasoning that would be

>impossible for a computer.

DSP filters can operate over a much wider range of bandwidths than the human ear/brain can. In particular, DSP filters can easily achieve bandwidths much smaller than the 50 Hz figure that is typical of a trained CW operator. This makes it possible for a DSP-based system to demodulate signals that aren't even detectible by ear. Examples include N4HY's demodulation of 4 bps signals from the Soviet "Vega" balloon probe in the atmosphere of Venus, and the N4HY/W3IWI DSP moonbounce experiment.

No, there's nothing magic in DSP. Nor is there anything magic about the brain/ear combination when it comes to operating as a modem.

>For sending human-readable text at
>slow conversational (rag-chew) speeds over narrow bandwidth channels,
>CW is unmatched. It also has the advantage of simple, inexpensive
>equipment.

If by "human-readable text" you mean something that can be decoded directly by the human ear/brain without any extra equipment, well, even the best CW ops I know still require a receiver and antenna. :-)

As for CW being the only mode that can use simple, inexpensive equipment, it depends on how you define those terms. Packet radio TNCs are fairly simple and inexpensive by my standards, inasmuch as they are usually smaller and cheaper than most receivers. And given the trends in digital vs analog electronics, I expect that the cost-effectiveness of digital communications equipment will continue to increase very rapidly.

Phil

From -1320881399867489983
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d9f79e0d0393b1c5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 13:02:05 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Technician Calls
Message-ID: <9012152102.AA09128@cmr.ncsl.nist.gov>
Date: 15 Dec 90 21:02:05 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
     formerly National Bureau of Standards
Lines: 19

Dube Todd asks how we will be able to tell the "with-code" Technicians from the "without-code" Technicians, given that there is no difference in the calls.

My answer: The same way you can tell that KA3XXX has an Extra license -

you can't.

Maybe the FCC database will carry the w/code notation, but I rather doubt it. If the code status is in yet another database, it doesn't seem too likely that even the Callbook will merge the two.

I, for one, think that our present alphabetical zoo of call letters is mainly the result of a failed effort at "administrative neatness" involving an exquisitely graduated series of license grades, each with its own block of call letters. It all failed when hams were allowed to keep the same call when they upgraded. How many of you would like to go back to the old system where upgrading REQUIRED a new call?

73,   Bob   W3OTC

```
From 3637351670830276702
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae03eb2f584ec028,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 13:06:56 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!ucsd!ucbvax!BLACKBIRD.AFIT.AF.MIL!
tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9012152106.AA09015@blackbird.afit.af.mil>
Date: 15 Dec 90 21:06:56 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 471
```

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #785 -
Alouette 1
1 00424U 62B-A  1 90338.82814058  .00000191  00000-0  21954-3 0  3752
2 00424  80.4628 117.8427 0022817 192.4993 167.5589 13.67422345406016
ATS 3
1 03029U 67111  A 90344.12876727 -.00000074  00000-0  99999-4 0  4817
2 03029  13.4076  19.6290 0022098 267.3228  92.3971  1.00272640 84550
Cosmos 398
1 04966U 71 16  A 90345.01023371  .00092954  18319-4  47867-3 0  2890
2 04966  51.5034 145.8257 2154389 127.6656 253.9875 11.31581168611475
Starlette
1 07646U 75010  A 90345.57737541 -.00000054  00000-0  55735-5 0  1785
2 07646  49.8214 178.5395 0206072  57.1779 304.8775 13.82146961800311
```

```
LAGEOS
1 08820U 76039  A 90341.61182364  .00000005  00000-0  00000 0 0  1740
2 08820 109.8596  54.5336 0044659 201.5188 158.3699  6.38664454 85018
GOES 2
1 10061U 77048  A 90344.11770024 -.00000258  00000-0  99999-4 0  5324
2 10061   8.4790  61.5486 0003810  20.3037 339.6007  1.00264823 50778
IUE
1 10637U 78012  A 90341.26029739 -.00000184  00000-0  99999-4 0  1827
2 10637  32.5774 116.1583 1423020 357.9984   1.3584  1.00253025  8196
GPS-0001
1 10684U 78020  A 90334.97174830  .00000005  00000-0  99999-4 0  5804
2 10684  63.8019  84.3962 0123996 198.0162 161.5371  2.00555022 79198
GPS-0002
1 10893U 78 47  A 90344.93403320 -.00000023  00000-0  00000 0 0  2821
2 10893  64.3079 324.9365 0167625  23.9863 336.8038  2.00538351 92214
GOES 3
1 10953U 78062  A 90344.44241913  .00000113  00000-0  99999-4 0   141
2 10953   7.3585  64.2518 0008207 111.7968 248.1506  1.00279029  6680
SeaSat 1
1 10967U 78064  A 90345.41838697  .00001332  00000-0  50000-3 0  4379
2 10967 108.0204 326.0416 0002628 270.1731  89.9120 14.36065612651893
GPS-0003
1 11054U 78093  A 90339.71207989 -.00000022  00000-0  00000 0 0  3320
2 11054  63.8308 321.3043 0060151 120.2102 240.3858  2.00570198 89120
Nimbus 7
1 11080U 78098  A 90342.24547230  .00000100  00000-0  12011-3 0  7242
2 11080  99.1783 243.0893 0009051 342.8834  17.2020 13.83480420612100
GPS-0004
1 11141U 78112  A 90332.84358076  .00000005  00000-0  00000 0 0   899
2 11141  63.6181  84.1977 0054504 316.3449  43.1939  2.00550809 87686
GPS-0005
1 11690U 80 11  A 90345.44968574  .00000006  00000-0  00000 0 0   801
2 11690  64.2799  86.1534 0120552 202.2812 157.1890  2.00553594 93797
GPS-0006
1 11783U 80 32  A 90344.25703885 -.00000022  00000-0  99999-4 0  3012
2 11783  63.6296 320.6676 0145895  61.6314 299.8703  2.00561118 77856
GOES 5
1 12472U 81049  A 90342.32920063  .00000057  00000-0  99999-4 0   173
2 12472   3.9107  73.5131 0001518 228.7047 131.0138  1.00210977 33979
SME
1 12887U 81100  A 90344.87481868  .00102841  00000-0  78533-3 0  9867
2 12887  97.6065  45.0710 0002882  72.9863 287.2436 15.71873647508805
Salyut 7
1 13138U 82 33  A 90345.92936797  .00176075  00000-0  56795-3 0  6757
2 13138  51.5943 111.1683 0002232 281.1822  78.9555 15.89855948492847
Cosmos 1383
1 13301U 82 66  A 90341.61164985  .00000106  00000-0  11158-3 0  6765
2 13301  82.9296 173.6731 0029025  43.7289 316.6149 13.67864198421386
LandSat 4
1 13367U 82 72  A 90344.26304729 -.00001633  00000-0 -35737-3 0  6037
2 13367  98.1426  43.1194 0003383 326.5221  33.5762 14.57132253446948
IRAS
1 13777U 83  4  A 90334.50980257 -.00000105  00000-0 -60552-4 0  8781
```

```
2 13777  99.0161 168.6757 0012562 291.4455  68.5373 13.98846771 70192
Cosmos 1447
1 13916U 83 21  A 90324.24439149  .00000161  00000-0  15871-3 0  7719
2 13916  82.9436 256.6750 0039850  65.0297 295.4995 13.74078643384101
TDRS 1
1 13969U 83 26  B 90344.43337380  .00000127  00000-0  99999-4 0  2046
2 13969   4.8925  64.2161 0003122 189.3174 170.4734  1.00273676  1110
GOES 6
1 14050U 83 41  A 90344.33916363  .00000059  00000-0  99999-4 0  3368
2 14050   2.5900  74.3057 0065809 184.9559 173.9797  1.00375062  1922
OSCAR 10
1 14129U 83 58  B 90345.35381236  .00000041  00000-0  00000 0 0  6264
2 14129  25.9958 171.0079 5963157 199.5305 121.1674  2.05879379 28383
GPS-0008
1 14189U 83 72  A 90344.18973228  .00000004  00000-0  99999-4 0  8793
2 14189  63.4524  82.3533 0145148 222.4525 136.4159  2.00569239 54293
LandSat 5
1 14780U 84 21  A 90346.00992377  .00001407  00000-0  32242-3 0  4537
2 14780  98.2632  43.3264 0000551 198.6600 161.4580 14.57101576360613
UoSat 2
1 14781U 84 21  B 90345.58678006  .00001651  00000-0  30947-3 0  8883
2 14781  97.9287  32.1728 0013632  48.0180 312.2223 14.65956645361954
GPS-0009
1 15039U 84 59  A 90343.86304100  .00000004  00000-0  00000 0 0  1350
2 15039  63.1847  81.5000 0025661 223.7986 135.9998  2.00566988 47560
Cosmos 1574
1 15055U 84 62  A 90345.38691885  .00000127  00000-0  12376-3 0   101
2 15055  82.9555 291.6723 0026946 186.9074 173.1725 13.73395447324397
GPS-0010
1 15271U 84 97  A 90339.31866537 -.00000023  00000-0  00000 0 0  9813
2 15271  63.1288 320.3088 0110552 328.9903  30.3524  2.00561568 44589
Cosmos 1602
1 15331U 84105  A 90343.56141396  .00002733  00000-0  36576-3 0  4399
2 15331  82.5386 198.2728 0023995 114.8698 245.5033 14.78952117334006
NOAA 9
1 15427U 84123  A 90342.21677634  .00000383  00000-0  22740-3 0  6800
2 15427  99.1720 346.1591 0014402 239.2350 120.7405 14.12746314308556
Cosmos 1686
1 16095U 85 86  A 90345.92939111  .00140011  00000-0  45427-3 0  8579
2 16095  51.5999 111.1684 0002755 256.1271 104.1552 15.89842911492849
GPS-0011
1 16129U 85 93  A 90344.02448756  .00000005  00000-0  00000 0 0  6913
2 16129  63.9712  82.6203 0124441 148.2483 212.5088  2.00564084 37887
Mir
1 16609U 86 17  A 90345.63951699  .00019955  00000-0  24326-3 0  1411
2 16609  51.6085 156.7678 0024390 354.5589   5.5140 15.60135254275816
SPOT 1
1 16613U 86 19  A 90345.63413713  .00000517  00000-0  26021-3 0  1922
2 16613  98.7176  57.6251 0001628  62.7367 297.4007 14.20051990 89110
Cosmos 1766
1 16881U 86 55  A 90345.17406339  .00003845  00000-0  52156-3 0  2492
2 16881  82.5231 255.6100 0023012 126.8401 233.4921 14.78505282235293
EGP
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1 16908U 86 61  A 90341.72126353 -.00000069  00000-0 -21114-3 0  3264
2 16908  50.0113  82.5089 0011211 277.1459  82.8100 12.44390619196463
NOAA 10
1 16969U 86 73  A 90343.97109153  .00000425  00000-0  20217-3 0  5294
2 16969  98.5842   7.8658 0014357 116.8421 243.4245 14.23819934219624
MOS-1
1 17527U 87 18  A 90345.24446846  .00000103  00000-0  90146-4 0  7272
2 17527  99.0934  55.3746 0000730  66.5388 293.5849 13.94876781193944
GOES 7
1 17561U 87 22  A 90343.08379831 -.00000045  00000-0  99999-4 0  6926
2 17561   0.0335 138.9562 0004886 194.0341  27.0787  1.00272618  7325
Kvant-1
1 17845U 87 30  A 90346.02379597  .00054816  00000-0  65387-3 0  4101
2 17845  51.6053 154.8142 0022961 354.4147   5.4633 15.60190492210607
DMSP B5D2-3
1 18123U 87 53  A 90345.99948182  .00000172  00000-0  99999-4 0  7963
2 18123  98.8127 174.2132 0013607 233.3209 126.6719 14.14244970179534
RS-10/11
1 18129U 87 54  A 90346.02255192  .00000354  00000-0  37829-3 0  4576
2 18129  82.9263 197.1349 0011664 352.9020   7.1991 13.72130082173832
Meteor 2-16
1 18312U 87 68  A 90345.49110468  .00000219  00000-0  18868-3 0  5866
2 18312  82.5528 149.7626 0012690 110.2595 249.9922 13.83706578167507
Meteor 2-17
1 18820U 88  5  A 90345.63345692  .00000178  00000-0  14911-3 0  4360
2 18820  82.5437 209.3887 0015873 182.4631 177.6452 13.84401646144734
DMSP B5D2-4
1 18822U 88  6  A 90345.99522309  .00000675  00000-0  32427-3 0  7406
2 18822  98.6222 221.1145 0007457 112.4989 247.6987 14.21664373148086
Glonass 34
1 19163U 88 43  A 90345.05701227  .00000020  00000-0  99999-4 0  1036
2 19163  64.9152 153.2104 0007265 180.9143 179.0935  2.13102468 19912
Glonass 36
1 19165U 88 43  C 90345.58329747  .00000020  00000-0  00000 0 0  1084
2 19165  64.9022 153.1951 0003529 354.0779   5.9334  2.13102754 19926
AO-13
1 19216U 88 51  B 90317.50267394 -.00000201  00000-0  99999-4 0  2241
2 19216  56.9436 126.0467 7064813 240.2087  32.9306  2.09704510 18530
OKEAN 1
1 19274U 88 56  A 90345.04065293  .00002331  00000-0  32089-3 0   120
2 19274  82.5160 354.4506 0019766 264.7556  95.1599 14.77771775131037
Meteor 3-2
1 19336U 88 64  A 90345.51822184 -.00000003  00000-0 -20978-4 0  6857
2 19336  82.5416 151.9792 0015950 231.3061 128.6662 13.16905954114291
Glonass 39
1 19503U 88 85  C 90345.13372067 -.00000017  00000-0  99999-4 0   165
2 19503  65.3961  32.6412 0006731 199.7823 160.2586  2.13103494 17401
NOAA 11
1 19531U 88 89  A 90345.92192797  .00000760  00000-0  43721-3 0  4346
2 19531  99.0058 294.6305 0012669 140.2733 219.9371 14.11823818114044
TDRS 2
1 19548U 88 91  B 90329.30686870  .00000113  00000-0  99999-4 0  2238
2 19548   0.5126  82.0257 0002691 157.3411 120.6510  1.00269860  1870
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1 19749U 89  1  A 90345.17473938  .00000020  00000-0  99999-4 0  8070
2 19749  64.8597 152.8781 0004759 272.1364  87.8225  2.13102116 14939
Glonass 41
1 19750U 89  1  B 90344.29445127  .00000020  00000-0  99999-4 0  8590
2 19750  64.8794 152.9257 0004565 242.4199 117.5414  2.13102090 14910
GPS BII-01
1 19802U 89 13  A 90329.93757079  .00000017  00000-0  99999-4 0  2272
2 19802  55.0436 191.0354 0052186 161.3502 198.9452  2.00552127 12991
Akebono
1 19822U 89 16  A 90345.56366296  .00019604  00000-0  13990-2 0  8566
2 19822  75.0798 151.3932 4129907 107.8902 300.5468  7.19000502 12512
Meteor 2-18
1 19851U 89 18  A 90345.36256402  .00000190  00000-0  16196-3 0  3865
2 19851  82.5190  87.3058 0013059 227.1251 132.8814 13.84032706 90077
MOP-1
1 19876U 89 20  B 90342.78692450  .00000020  00000-0  99999-4 0  1723
2 19876   0.1143 342.7313 0003904 227.1900 150.0622  1.00272933  2412
TDRS 3
1 19883U 89 21  B 90330.93077829 -.00000234  00000-0  99999-4 0  2227
2 19883   0.5344  81.7139 0003363 155.9382 122.4370  1.00274132 76523
GPS BII-02
1 20061U 89 44  A 90343.73124429 -.00000034  00000-0  99999-4 0  2311
2 20061  54.8388   8.7128 0089319 181.9510 178.0573  2.00566968 11014
Nadezhda 1
1 20103U 89 50  A 90345.54182753  .00000108  00000-0  10288-3 0  2842
2 20103  82.9620 154.2729 0036485 266.0434  93.6549 13.73630175 72063
GPS BII-03
1 20185U          90332.10675339 0.00000016           10000-3 0  1719
2 20185  54.9143 191.7776 0022171 160.8569 199.2495  2.00575536  9359
GPS BII-04
1 20302U          90304.15728615 -.00000046          -68427+2 0  1700
2 20302  54.5417 311.5245 0033626 314.8971  44.9144  2.00365710  7590
Meteor 3-3
1 20305U 89 86  A 90345.68565264 -.00000452  00000-0 -12078-2 0  2822
2 20305  82.5535  92.8287 0015097 244.7725 115.1837 13.15863618 54297
COBE
1 20322U 89 89  A 90344.44660398  .00000567  00000-0  38867-3 0  2337
2 20322  99.0218 353.0486 0008717 234.8227 125.2125 14.02930982 54207
Kvant-2
1 20335U 89 93  A 90345.89566202  .00091247  00000-0  10779-2 0  5109
2 20335  51.6098 155.4752 0023599 350.5756   9.1371 15.60210306 59517
GPS BII-05
1 20361U 89 97  A 90335.64130169  .00000014  00000-0  99999-4 0  1227
2 20361  55.0040 133.7111 0065137  56.6318 303.9824  2.00584067  7082
SPOT 2
1 20436U 90  5  A 90345.66956272  .00000727  00000-0  35900-3 0  4376
2 20436  98.7198  57.7314 0000599 109.3166 250.8044 14.20052789 45937
UO-14
1 20437U 90  5  B 90342.69781353  .00000415  00000-0  18052-3 0  2802
2 20437  98.6885  58.1836 0011966   7.6736 352.4657 14.28807581 45785
UO-15
1 20438U 90  5  C 90344.64739052  .00000301  00000-0  13603-3 0  1775
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2 20438  98.6898  60.0706 0010697   2.6758 357.4489 14.28494977 46057
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2 20439  98.6920  59.3493 0012163   6.5417 353.5932 14.28907066 45926
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1 20440U 90  5  E 90345.11570374  .00000475  00000-0  20394-3 0  1790
2 20440  98.6920  60.8292 0012186   2.2871 357.8374 14.28967318 46131
WO-18
1 20441U 90  5  F 90343.41340008  .00000397  00000-0  17293-3 0  1798
2 20441  98.6918  59.1701 0012799   7.2749 352.8658 14.29044469 45890
LO-19
1 20442U 90  5  G 90343.18776259  .00000419  00000-0  18113-3 0  1803
2 20442  98.6919  58.9820 0013137   7.7771 352.3645 14.29116875 45867
GPS BII-06
1 20452U 90  8  A 90344.00084572  .00000003  00000-0  99999-4 0  1417
2 20452  54.4636 248.8136 0056947  54.9580 305.0523  2.00659483  6378
MOS-1B
1 20478U 90 13  A 90345.63441926  .00001015  00000-0  78171-3 0  4775
2 20478  99.1726  54.9448 0000370  84.6917 275.4290 13.94854600 42876
DEBUT
1 20479U 90 13  B 90342.50812291 -.00000040  00000-0 -60223-4 0  1750
2 20479  99.0206 355.9596 0541329  13.6729 347.8397 12.83164705 39105
FO-20
1 20480U 90 13  C 90343.29245513  .00000044  00000-0  14879-3 0  1731
2 20480  99.0212 356.5925 0541502  11.9646 349.3745 12.83158519 39200
MOS-1B R/B
1 20491U 90 13  D 90345.61474272 -.00000108  00000-0 -17827-3 0  1815
2 20491  99.0180   7.1222 0470409 335.4932  22.4457 13.02756119 39508
LACE
1 20496U 90 15  A 90345.54410334  .00009563  00000-0  54172-3 0  3619
2 20496  43.0956  66.7030 0016547  16.9017 343.2372 15.13060781 45442
RME
1 20497U 90 15  B 90345.43664559  .00016695  00000-0  40211-3 0  4117
2 20497  43.1007   1.7099 0018027  64.7393 295.5328 15.40844360 46138
Nadezhda 2
1 20508U 90 17  A 90345.21081011  .00000136  00000-0  13412-3 0  2343
2 20508  82.9543 289.3741 0043659 211.7064 148.1486 13.73251605 39300
OKEAN 2
1 20510U 90 18  A 90344.96091545  .00002846  00000-0  43002-3 0  3856
2 20510  82.5258 294.8453 0021541  62.8695 297.4981 14.73828311 42109
INTELSAT-6
1 20523U 90 21  A 90345.80658003  .00002769  00000-0  18681-3 0  4081
2 20523  28.3394 179.2481 0015283 281.0860  78.7754 15.03142051 41194
GPS BII-07
1 20533U 90 25  A 90294.05687607 -.00000033  00000-0  00000 0 0   630
2 20533  55.1450  10.8449 0034235 102.6965 257.7562  2.00556242  4124
PegSat
1 20546U 90 28  A 90345.32615498  .00015836  00000-0  91263-3 0  3581
2 20546  94.1300 309.4031 0145661  54.3634 307.1191 15.03746024 36670
HST
1 20580U 90 37  B 90345.66622568  .00004641  00000-0  50708-3 0  3606
2 20580  28.4705 199.5429 0006140 172.1439 187.9188 14.85702744 34382
Glonass 44
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1 20619U 90 45  A 90345.07596735 -.00000017  00000-0  99999-4 0  3081
2 20619  64.9930  32.8866 0024157 216.4927 143.3994  2.13102901  4392
Glonass 45
1 20620U 90 45  B 90345.19382967 -.00000017  00000-0  99999-4 0  3132
2 20620  64.9906  32.8867 0005799  32.6473 327.4432  2.13102885  4408
Glonass 46
1 20621U 90 45  C 90345.25241126 -.00000017  00000-0  99999-4 0  2635
2 20621  65.0070  32.8933 0014725 205.8915 154.0912  2.13102668  4407
Kristall
1 20635U 90 48  A 90345.95975218  .00054880  00000-0  65387-3 0  3085
2 20635  51.6091 155.1560 0024438 354.9409   4.9567 15.60176383 30406
ROSAT
1 20638U 90 49  A 90345.16388604  .00004293  00000-0  37167-3 0  1467
2 20638  52.9857 344.5809 0016796 149.2301 210.9736 14.98961754 28810
Meteor 2-19
1 20670U 90 57  A 90345.51015231  .00000129  00000-0  10634-3 0  1356
2 20670  82.5429 147.9136 0015509 145.5640 214.6521 13.83882615 23048
CRRES
1 20712U 90 65  A 90345.25218656  .00001932  00000-0  18583-2 0   823
2 20712  18.2752 350.5842 7125583 304.9960   7.2659  2.43631101  3393
GPS BII-08
1 20724U 90 68  A 90334.29055009  .00000016  00000-0  99999-4 0   736
2 20724  54.7131 189.6322 0096546 119.2262 241.8381  2.00563577  2376
Feng Yun1-2
1 20788U 90 81  A 90345.60060508  .00000364  00000-0  26824-3 0   785
2 20788  98.9357  18.0668 0010604 349.3881  10.7061 14.00596213 13947
Meteor 2-20
1 20826U 90 86  A 90345.80510712  .00000187  00000-0  16049-3 0   851
2 20826  82.5242  86.9164 0014815  47.2945 312.9461 13.83245529 10309
GPS BII-09
1 20830U 90 88  A 90333.82972091  .00000013  00000-0  99999-4 0   752
2 20830  54.9069 131.9933 0078576 117.2021 243.6176  2.00565842  1444
Cosmos 2103
1 20933U 90 96  A 90345.65023964  .00007666  00000-0  13058-3 0   465
2 20933  65.0053  93.8425 0009945 272.6658  87.3254 15.52068480  4251
Cosmos 2105
1 20941U 90 99  A 90345.55357330 -.00000895  00000-0  31946-2 0   220
2 20941  63.2516  42.3033 7375403 318.7371   4.6418  2.00677881   434
1990 099B
1 20942U 90 99  B 90345.37467415  .00948928  37524-4  11062-2 0   338
2 20942  62.9785 326.5078 0175799 118.5242 243.3721 15.84797949  3343
1990 099D
1 20944U 90 99  D 90345.77516573 -.00000473  00000-0 -11083-2 0    79
2 20944  63.1593  42.3859 7322884 318.7250   4.7616  2.03547311   458
SATCOM I
1 20945U 90100  A 90339.99999998  .00000124  00000-0  99999-4 0   138
2 20945   0.1272 261.6480 0001637  14.6050  21.1420  1.00268231    07
GSTAR IV
1 20946U 90100  B 90340.39999998  .00000065  00000-0  99999-4 0    94
2 20946   0.0389  69.7940 0006310 157.4910 226.6510  1.00262754    04
1990 100C
1 20947U 90100  C 90344.96881149  .00008150  00000-0  36714-2 0   121
2 20947   7.1851 212.1810 7280944 194.8436 118.9260  2.26895145   447
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1990 100D
1 20948U 90100  D 90342.75137888  .00233108  00000-0  38792-1 0    97
2 20948   6.9172 214.2150 7220131 192.3147 127.4552  2.36968514   402
Molniya1-79
1 20949U 90101  A 90345.27542838  .00000190  00000-0  38541-2 0   292
2 20949  62.8649  66.6690 7372091 288.1239   9.4669  2.00625238   378
1990 101B
1 20950U 90101  B 90344.95978114  .00824780  12106-4  11346-2 0   284
2 20950  62.8001   3.0646 0195178 124.0182 238.0074 15.78731335  2787
1990 101C
1 20951U 90101  C 90345.53346391  .06001642  41281-4  57473-3 0   475
2 20951  62.8277 359.6925 0107355 114.2919 247.1071 16.20015740  2895
1990 101D
1 20952U 90101  D 90345.48305174 -.00000347  00000-0  29813-3 0   118
2 20952  62.8767  66.5533 7402949 288.0971   9.3228  1.97046265   367
Gorizont 22
1 20953U 90102  A 90330.40304860 -.00000011  00000-0  99999-4 0    51
2 20953   1.4563 271.9443 0013311 100.5974 262.2792  0.97641033    42
1990 102E
1 20957U 90102  E 90345.17111517  .00002101  00000-0  25176-2 0   134
2 20957  47.2675 267.3503 7294925   4.6026 359.4278  2.22109394   367
1990 102F
1 20958U 90102  F 90345.58717025  .00005761  00000-0  27031-2 0   155
2 20958  47.2099 267.1606 7314987   4.7787 359.7146  2.22602582   393
GPS BII-10
1 20959U 90103  A 90340.70601393  .00000016  00000-0  00000 0 0   125
2 20959  54.9016 190.9416 0041393 213.1876 137.9413  2.00557106   172
1990 103B
1 20960U 90103  B 90344.57395646  .00008195  00000-0  68659-3 0   121
2 20960  21.4228  90.1606 0155317 343.3392  16.2042 14.86414644  2031
1990 103C
1 20961U 90103  C 90344.79294950  .00115148  42862-5  19838-2 0   243
2 20961  34.5210 174.4348 6041615 207.1957 100.9036  4.07168887   570
Cosmos 2106
1 20966U 90104  A 90345.70903746  .00014819  00000-0  83473-3 0   198
2 20966  82.5065 329.8251 0013303 249.8010 110.1839 15.13039556  1973
1990 104B
1 20967U 90104  B 90345.37743419  .00005203  00000-0  29202-3 0   233
2 20967  82.5049 330.1486 0012646 256.5204 103.4625 15.13081726  1929
1990 104C
1 20975U 90104  C 90344.99213457  .00190480  00000-0  81563-2 0   108
2 20975  82.5270 330.4847 0018522 328.2280  31.8748 15.21799727  1867
1990 104D
1 20976U 90104  D 90345.39426853  .00186966  00000-0  82308-2 0   135
2 20976  82.4878 329.9481 0009127 328.2626  31.7948 15.20974595  1928
1990 104E
1 20977U 90104  E 90345.03475787  .00154158  00000-0  78391-2 0   110
2 20977  82.4799 330.3901 0005364 151.1931 208.9434 15.16126712  1861
DMSP B5D2-5
1 20978U 90105  A 90346.06255097  .00001408  00000-0  53902-3 0   162
2 20978  98.8604  14.5731 0081101 327.0739  32.5404 14.30423018  1494
1990 105B
1 20979U 90105  B 90345.69244217  .00021775  00000-0  75008-2 0    49
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2 20979  98.8474  14.2290 0093029 330.0409  29.5472 14.33482331  1449
Soyuz TM-11
1 20981U 90107  A 90346.02380716  .00038475  00000-0  46157-3 0   170
2 20981  51.6066 154.8252 0023954 355.3215   4.5924 15.60172662  1528
1990 105C
1 20983U 90105  C 90337.08457819  .00206956  00000-0  35617-1 0    38
2 20983  98.8290   5.4947 0197407 357.4084   2.6069 14.55498705   212
1990 105D
1 20984U 90105  D 90344.95796346  .00031028  00000-0  45077-2 0    98
2 20984  98.9497  14.0141 0219392 329.8222  29.0554 14.60774940  1363
Cosmos 2107
1 20985U 90108  A 90345.62886953  .00006567  00000-0  11241-3 0   155
2 20985  65.0121  93.9618 0009669 271.5321  88.4727 15.52112554  1185
1990 105E
1 20987U 90105  E 90345.88212147  .00286583  00000-0  48006-1 0    87
2 20987  98.8329  14.8008 0177237 329.6977  29.3539 14.58374675  1505
1990 105F
1 20988U 90105  F 90345.68631685  .00071356  00000-0  13006-1 0    46
2 20988  98.8335  14.5684 0187417 330.5795  28.5801 14.54896885  1477
1990 105G
1 20989U 90105  G 90345.89667367  .00364844  00000-0  64448-1 0   106
2 20989  98.8444  14.7970 0164115 333.3687  25.7669 14.56969085  1500
1990 105H
1 20990U 90105  H 90343.85664772  .00512774  00000-0  67732-1 0   150
2 20990  98.9207  12.8134 0195188 334.9290  24.2586 14.65106895  1214
1990 105J
1 20991U 90105  J 90345.91139063  .00065191  00000-0  58648-2 0   119
2 20991  98.9277  15.2137 0268418 331.5298  27.1550 14.71731016  1512
1990 105K
1 20992U 90105  K 90344.28522091  .00096112  00000-0  14828-1 0    24
2 20992  98.8778  13.1985 0209497 335.8335  23.2104 14.59190692    07
1990 105L
1 20993U 90105  L 90344.81694615  .00070845  00000-0  14788-1 0    82
2 20993  98.8621  13.6156 0170093 335.5409  23.7928 14.50801487  1347
1990 098J
1 20996U 90 98  J 90338.59461859  .00452654  42071-4  10450-3 0    13
2 20996  62.7906 181.9816 0010908  40.0310 331.3245 16.29425726  2881
1990 105L
1 20997U 90105  L 90345.13968058  .00960040  00000-0  10443 0 0   118
2 20997  98.7962  14.1172 0193335 334.5556  24.6221 14.70937431  1402
1990 105M
1 20998U 90105  M 90343.31741297  .00286591  00000-0  41065-1 0    85
2 20998  98.8796  12.1784 0204612 338.4010  21.1392 14.61830400  1134
1990 105N
1 20999U 90105  N 90345.51891304  .00393424  00000-0  58444-1 0   123
2 20999  98.8037  14.4404 0184719 333.7540  25.4659 14.62058889  1450
Cosmos 2108
1 21000U 90109  A 90345.60380998  .00561634  40115-4  27823-3 0   183
2 21000  62.7963 273.8701 0103864  68.1280 293.0314 16.08851833  1100
1990 087E
1 21005U 90 87  E 90343.93799028  .09605109  33236-4  63492-2 0    86
2 21005  64.5150 317.4141 0215635 107.7891 253.3001 15.82961882  1530
Cosmos 2109
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1 21006U 90110  A 90345.35051991  .00000020  00000-0  99999-4 0    97
2 21006  64.8191 152.2916 0002030 266.7028  93.2948  2.12991502    86
Cosmos 2110
1 21007U 90110  B 90345.35014013  .00000020  00000-0  99999-4 0    81
2 21007  64.8466 152.2964 0002854 274.7721  85.2198  2.13018842    95
Cosmos 2111
1 21008U 90110  C 90345.35011742  .00000020  00000-0  99999-4 0    88
2 21008  64.8361 152.3008 0005253 263.0772  96.6867  2.12995349    86
1990 110F
1 21011U 90110  F 90343.47097859  .00000020  00000-0  99999-4 0    31
2 21011  64.8328 152.3631 0008425 327.6033  32.3573  2.13256858    38
1990 110G
1 21012U 90110  G 90345.47781520  .00011030  00000-0  10558-1 0    44
2 21012  64.8003 151.1610 5800607 349.2281   2.4750  4.22986939   177
1990 110H
1 21013U 90110  H 90343.58624926 -.00157636  00000-0 -15371 0 0    20
2 21013  64.8341 151.8393 5800472 349.3528   2.3038  4.22847601    94
Cosmos 2112
1 21014U 90111  A 90345.85777658 -.00002280  00000-0 -87458-3 0    84
2 21014  74.0488 203.0083 0029399 334.7606  25.2085 14.30055009   221
1990 111B
1 21015U 90111  B 90344.52845708 -.00000012  00000-0  00000 0 0    39
2 21015  74.0528 205.4259 0033380 349.6698  10.3631 14.31607194    39
```

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

---

From 4571001931793874368
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 13:08:50 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!news.cs.indiana.edu!att!pacbell.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: No-code license
Message-ID: <24904@ucsd.Edu>
Date: 15 Dec 90 21:08:50 GMT
References: <9012150044.AA01342@tilde>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 17

In article <9012150044.AA01342@tilde> dube@cpdvax.csc.ti.com writes:
>Now that it's here, we must learn to live with it. I understand that there
>will be 2 classes of Technicians: one who has passed 5WPM and has all current
>Tech privileges; and one who has not demonstrated the Morse code ability, and
>is restricted to 30 Mhz and above. I also understand that there will be no
>call-sign differentiation. So how will we bge able to tell if a Tech who
>is operating below 30 MHz is authorized to do so?

The trick is to realize that it doesn't matter. Clearly the FCC

doesn't care very much, or they would have come up with a way to tell.
If they don't care, why should you?
     - Brian

PS: When is dube gonna go pound on whoever maintains his site's news
software so that it put the Subject: line into the header instead of the
body of the message? I mean, if he can't follow Usenet rules, why worry
about the FCC? Which, after all, is more important? :-)

From 1389523437899145296
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a0340e29e2ecb5c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 13:16:50 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: FCC ACTS ON CODELESS LICENSE
Message-ID: <763.276A4E09@w8grt.fidonet.org>
Date: 15 Dec 90 21:16:50 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 29

> From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
> Date: Fri, 14 Dec 90 22:54:12 EST
> Organization: QRV de W8GRT, Sylvania, OH
> Message-ID: <756.27696A41@w8grt.fidonet.org>
> Newsgroups: rec.ham-radio
>
> > From: bill@platypus.uofs.edu (Bill Gunshannon)
> > Date: 14 Dec 90 13:27:37 GMT
> > Organization: University of Scranton, Scranton, PA
> > Message-ID: <200@platypus.uofs.edu>
> > Newsgroups: rec.ham-radio
> >
> >
> > Somebody correct me if I have bits missing in my memory, but isn't this
> > the way it used to be before they gave Technicians access to the Novice
> > portions of the HF bands??
>
> No. The "tech" has always had a 5 WPM code test.

In answer to myself ;) - there were informal suggestions at the time of the
creation of the Technician that it be no code. The idea was promptly squelched
by the League HQ fossils, thus making the word safe for telegraphers for all
time. [:-)

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 3306845410423227768
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 14:22:15 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Internet-Packet Reply (LONG!)
Summary: Tad's armchair lawyering...
Message-ID: <664@ssc.UUCP>
Date: 15 Dec 90 22:22:15 GMT
References: <688.27612B49@w8grt.fidonet.org> <1250300@hpnmdla.HP.COM>
Organization: very little
Lines: 32

In article <1250300@hpnmdla.HP.COM>, alanb@hpnmdla.HP.COM (Alan Bloom) writes:
> In rec.ham-radio, tad@ssc.UUCP (Tad Cook) writes:
>
> >What about repeaters that have a burglar alarm to indicate on the air
> >when an intruder has entered the area? Would this be illegal, because
> >like the caller on the phone, the intruder might not be a licensed ham?
>
> Any telemetry transmitter must have a control operator. I'm not sure if
> "automatic control" is legal for telemetry. In the case mentioned above,
> you could probably justify it as an "emergency" transmission. (It must
> be an emergency if there's an intruder).
>
> I'm as good an armchair lawyer as anybody else! :-)

Yeah! I am definately doing some of that here....no criticism of any
alternative views implied....it just seems like a murky area to me.
I have no problems with on-the-air repeater burglar alarms OR reverse
autopatches myself.

BUT....if you could justify the burglar alarm as an emergency transmission,
then that would allow you to use ham frequencies for ANY burglar alarms,
right?

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -6092212079662380691

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 14:36:09 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!elroy.jpl.nasa.gov!lll-winken!unixhub!shelby!paulf@shasta.Stanford.EDU
From: paulf@shasta.Stanford.EDU (paulf)
Newsgroups: rec.ham-radio
Subject: Re: Ham licenses without Morse code -- News item
Message-ID: <33@shasta.Stanford.EDU>
Date: 15 Dec 90 22:36:09 GMT
References: <1990Dec12.231058.23895@engin.umich.edu> <1250305@hpnmdla.HP.COM>
Organization: The Three Packeteers
Lines: 35

In article <1250305@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>I disagree. People think that there is something magic in DSP (Digital
>Signal Processing), but it really is nothing more than fancy filtering.

Implementing FIR filters is only one component of DSP. Others include convolutional codes, correlation, etc., which improve reception. In any event, it's easier to build very steep filters with DSP.

>The human ear/brain is also a pretty fancy adaptive filter, and it can
>"fill in" missing text based on higher-level reasoning that would be
>impossible for a computer.

Again, this depends on the operator. A well trained operator can fill in missing symbols. The symbol time for CW, however, is much shorter than that for, say, human conversation; this is important in fading channels, where you may lose all of a CW symbol, but only part of a phoneme.

> For sending human-readable text at
>slow conversational (rag-chew) speeds over narrow bandwidth channels,
>CW is unmatched.

Most CW ops that I've heard carrying on "real" conversations operate at around 15 WPM. Compare that with normal human conversation at 150 WPM, and you can see where the "advantage" of CW comes from -- slowing down the information rate. I think if you were to compare a rate 1/10 PSK system to CW, you'd notice the difference.

> It also has the advantage of simple, inexpensive
>equipment.

So did spark gap. Time and technology made CW nearly as inexpensive as spark, and time will eventually do the same for DSP.

-=Paul Flaherty, N9FZX | Without KILL files,
->paulf@shasta.Stanford.EDU | life itself would be impossible.

From -7907654945001741070

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e943e7428916c16,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,8e943e7428916c16,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-15 14:51:28 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: ELMER
Message-ID: <766.276A62DD@w8grt.fidonet.org>
Date: 15 Dec 90 22:51:28 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 15
Xref: gmdzi rec.ham-radio:18003 rec.ham-radio.packet:3247

 * Forwarded from "HAM"
 * Originally by Jim Grubs, W8GRT
 * Originally to All
 * Originally dated 15 Dec 1990, 17:25

After only two days since the FCC no-code Technician Class
announcement, I have already started to receive requests from
people intersted in getting me to revive the ELMER echo. What
about it, all you Elmers, think we can make it go this time?

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 5465545289440669920
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7b701e9dd54c299,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 14:52:02 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pt.cs.cmu.edu!
g.gp.cs.cmu.edu!lehmann
From: lehmann@g.gp.cs.cmu.edu (Eric Lehmann)
Newsgroups: rec.ham-radio
Subject: R5 comments
Message-ID: <11415@pt.cs.cmu.edu>
Date: 15 Dec 90 22:52:02 GMT
Reply-To: lehmann@g.gp.cs.cmu.edu (Eric Lehmann)
Organization: Carnegie-Mellon University, CS/RI
Lines: 124
Keywords:

In article <11339@pt.cs.cmu.edu> I wrote:
>

> I am interested in buying a Cushcraft R5 20/17/15/12/10m vertical. If you have used it, please mail me your opinion of it. I am particularly interested in how high it must be mounted to avoid interaction with metal below it. I will be mounting on a apartment roof with metal siding around it. Cushcraft claims the R5 only needs 6-7 feet of clearance to avoid interaction with objects below the plane of the radials. I am also interested in the effiency of the antenna. Thanks in advance.
>
> -Eric, kd3sp

I have received the following (somewhat edited) replies. The comments are very positive. I plan to purchase an R5 myself.

-Eric, KD3SP

From: "Stuart G. Phillips" <stu@suntan.tandem.com>

I have an R5 which I installed on my roof (approx 35' up) and used it to replace a Butternut (to get rid of the radials). The antenna goes together quickly and is well engineered. I've tried the antenna on the ground and it works almost as well as on the roof.

It gets out just fine ! If I can hear them, I can work them assuming opreating skill or comparable power.

Good luck
Stu N6TTO

From: Jeff Crilly N6ZFX <xanadu!jeff@uunet.UU.NET>

I have had one since august. I think its great. The swr bandwidth is real good. Mine is at 20 feet above ground; I use a radio shack heavy duty tv mast and tripod. I used it initally at 10 feet and it worked fine. The only problem with it is that 20 through 10 is usually dead in the evening when I operate, and I wish I had 40 and 80. Anyhow I am working on a diopole for 80 to alleviate that problem. I think that the bandwidth is wide because of the thick tubing they use.

The only alternative to this antenna is probably the isoloop for AEA and that antenna just looks like a hassle to tune. Also the barkerson and williams jobs are avaialble, but I think they are inefficent and have narrow bandwidth.

Jeff Crilly (N6ZFX)
AMIX Corporation 2345 Yale Street Palo Alto, CA 94306
jeff@markets.amix.com, {uunet,sun}!markets!jeff, N6ZFX@N6IIU.#NOCAL.CA.USA

From: tom@ksr.com

I've had an R5 for about 6 months. I think that it's a fantastic antenna. It's not a beam ... but it sure does get out well. On 10, I'm told I am as loud as anybody else and have easily worked

everywhere on earth. It's almost as effective on 12, 15 and 17. It's
a little harder to break through a pileup on 20 but that's probably
because everyone else is using 1KW and I am using only 80 watts. Mine
is mounted on the roof of my house so I don't know if it would
interact with metal. (Either way, it's a hell of a lot easier to put
up that the 1/4 wave vertical that I had before with its ooodles of
radials).

Good Luck,

Tom
```
================================================================================
= Tom Varga N2UA/1        617-895-9415        tom@ksr.com        uunet!ksr!tom =
=   There's never time to do it right, but there's always time to do it over.  =
================================================================================
```

From: Jim Hollenback <holly@hpcupt1.cup.hp.com>

Eric,
I have had a R5 up for about 2 years now. Works fine, I have worked about
150 countries with it now. I do well in moderate pileups on Pacific island
stations and not to bad in Europe - can't beat the east coast boys if there
is a big pileup. Same goes for zone 8 if the 4's and 5's really want the
guy. But this should be no surprize. My R5 is mounted on 3 five foot masts
that are attached to the eave of the house. The base of the antenna is about
four feet off the eave. About six feet below the antenna is a metal fence.
I have good SWR on all bands (17 mtr sucks, but I have not installed the
new trap kit yet - mine started life as a R4 and I bought one of the first
upgrades. They sent me the new kit at NO CHARGE!)

My country count is pretty even between 10 and 20 mtrs, 15 is a little lower,
probably because I don't work that band as much. I have not worked 12 and
17 much, but 12 seems fine. I get honest 57's and 55's in Europe and the
South Pacific and Asia with 100 watts. Not sure what you mean about
efficiency, but the antenna seems to do the job.

Hope this helps,
Jim, WA6SDM
jholly@hpcupt1.cup.hp.com

From: Ken Mitchum <km@cs.pitt.edu>

I have had an R5 up for about a month, although I have not had too
much time with it on the air. It is up about 30 feet, is about 20
feet from a tree. I live in a fairly flat part of town (Point Breeze)
where there just isn't much room for any kind of antenna.

Running 100 watts out, I have had no trouble working whomever I heard.
This is mostly on Amtor and RTTY on both 20 and 10. I normally don't
pay attention to SSB, but I did notice the 10 meter JA contest one night
and worked about 15 JA's in about 20 minutes.

The antenna is fairly quiet in terms of noise pickup, which surprised me
a bit since I usually associate verticals with more of that. I have had
no RF problems with computers, which I did have previously with a dipole.
The antenna is a bit overpriced, and the hardware quality is not the best,
particularly in terms of the mast mounting, but it certainly works well,
and in my location is about the only thing I could easily put up.

  Ken Mitchum KY3B
  km@cs.pitt.edu
--
-

Eric Lehmann, lehmann@g.cs.cmu.edu, lehmann%cgi.com
Amateur Call: KD3SP
Phone: (412) 421-0476

From -784829932473922609
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-15 15:13:57 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio,news.groups
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <4457@lib.tmc.edu>
Date: 15 Dec 90 23:13:57 GMT
References: <4425@lib.tmc.edu> <DuyyT4w163w@phoenix.com>
Sender: usenet@lib.tmc.edu
Followup-To: rec.ham-radio
Organization: University of Texas Medical School at Houston
Lines: 16
Xref: gmdzi rec.ham-radio:17946 news.groups:23637
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <DuyyT4w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
>jmaynard@thesis1.hsch.utexas.edu (Jay Maynard) writes:
>> (Side note: Please make sure that discussion is posted to news.groups as well
>> as rec.ham-radio. This is required by the Guidelines for Newsgroup Creation.)
>   Unfortunately, it is not possible to do that here. Guidelines is
>guidelines, not law. In this case, they can't be followed.

Your software is broken if it can't cross-post. I suggest you get it fixed.

The purpose of having discussion in news.groups is to make sure that those
who pay attention to newsgroup issues have all of the issues brought out
for their perusal. If you don't post there, you won't convince them.
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.

"...flames are a specific art form of Usenet..." -- Gregory C. Woodbury

From 4569321987996171528
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b069dfd2cee136a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 15:43:39 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Class D AM Phone (was Re: morse code)
Message-ID: <666@ssc.UUCP>
Date: 15 Dec 90 23:43:39 GMT
References: <1990Dec14.145827.14942@lonex.radc.af.mil>
Organization: SSC, Inc., Seattle, WA
Lines: 10

In article <1990Dec14.145827.14942@lonex.radc.af.mil>, szarekw@lonexc.radc.af.mil
(William J. Szarek) writes:
> QRP CW rigs can be made that use a nand gate as the final amp! cant do that
> with phone.

Couldn't you make a class D am transmitter, where the conduction angle
(pulse width) varied to amplitude modulate the output..

The output filter would be a bitch.

markz@ssc.uucp

From 2695500607765038512
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 15:46:26 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cunixf.cc.columbia.edu!cunixd.cc.columbia.edu!mig
From: mig@cunixd.cc.columbia.edu (Meir)
Newsgroups: rec.ham-radio
Subject: Re: Re: Ham licenses without Morse code -- News item
Message-ID: <1990Dec15.234626.29704@cunixf.cc.columbia.edu>
Date: 15 Dec 90 23:46:26 GMT
References: <1990Dec12.231058.23895@engin.umich.edu> <1250305@hpnmdla.HP.COM>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Organization: Columbia University
Lines: 45

In article <1250305@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>In rec.ham-radio, henry@zoo.toronto.edu (Henry Spencer) writes:
>
>... Morse is basically
>>obsolete, since digital modulation techniques are far superior at punching

>>clean signals through noise.
>
>I disagree. People think that there is something magic in DSP (Digital
>Signal Processing), but it really is nothing more than fancy filtering.
>The human ear/brain is also a pretty fancy adaptive filter, and it can
>"fill in" missing text based on higher-level reasoning that would be
>impossible for a computer. For sending human-readable text at
>slow conversational (rag-chew) speeds over narrow bandwidth channels,
>CW is unmatched. It also has the advantage of simple, inexpensive
>equipment.
>
>AL N1AL

It has GREAT advantages in simplicity (read cheap, light, compact, easy to build), but learning the code is simple for some and extaordinarily difficult for others. Even those who know the code VERY well are probably aware of how SLoooooooW the conversation has to be in CW. Not quite rag-chew as rag-chew is on voice (or AMTOR or Packet); usually one shortens everything to accomodate the slow baud of CW. That is another thing that makes CW another language for the novice "CW op."

Full duplex voice ("phone") is "rag-chew" at its best! It is hardly a narrow bandwith setup, but can be inexpensive and compact as well (that's what modern technology does for you). I don't suggest that we implement this on crowded HF bands but, then, rag-chew can be done on VHF, UHF, SHF... with an HT, a mobile, or a satellite ground station.

When it is almost impossible to get through, and I want or need to get through, I will be the first to use CW. For moonbounce and rare DX it can work wonders! But when my ship is sinking, I will pick up the mike first, because very few amateurs are likely to bother tuning in my CW signal in order to hear that I'm transmitting SOS.

When I feel like using CW, I will. When I want to rag-chew, I'll use phone. When my ears get tired of the noisy HF bands and the pops and squeals, though, I'll move to UHF FM. There WAS enough space there for full duplex yesterday!

****

The problem with rag-chew is that they are really disgusting looking after you spit them out! :-)

```
 * * * * * * *  ======================= Meir Green
* * * * * * * * ======================= mig@cunixd.cc.columbia.edu
 * * * * * * *  ======================= N2JPG
```

```
From 2629717098534344340
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,5dd2f14b9ce66a7c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-15 16:22:15 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!utzoo!
henry
From: henry@zoo.toronto.edu (Henry Spencer)
Newsgroups: sci.electronics,rec.ham-radio
```

Subject: Re: morse code
Message-ID: <1990Dec16.002215.10720@zoo.toronto.edu>
Date: 16 Dec 90 00:22:15 GMT
References: <1990Dec12.231058.23895@engin.umich.edu>
<1990Dec14.012315.7858@zoo.toronto.edu> <1990Dec14.150737.2609@mozart.amd.com>
Organization: U of Toronto Zoology
Lines: 11
Xref: gmdzi sci.electronics:10228 rec.ham-radio:17943

In article <1990Dec14.150737.2609@mozart.amd.com> reed@mozart.amd.com (David F. Reed) writes:
>and as far as punching signals through the noise, you will find it hard
>to beat (without the military budget) that active filter most humans have
>between the ears, occupying the cranial cavity.

For digital communications purposes, much better active filters can be, and already are, implemented in silicon at amateur prices. Ask some of the folks doing digital satellite communications with modern modulation techniques.
--
"The average pointer, statistically, |Henry Spencer at U of Toronto Zoology
points somewhere in X." -Hugh Redelmeier| henry@zoo.toronto.edu   utzoo!henry

---

From -8837086645352345488
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4deb1ea5f08148fb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,4deb1ea5f08148fb
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-15 16:31:39 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: SHUTTLE ROBOT QSO REQUIREMENT
Summary: Is SAREX for the amateur elite?
Keywords: ROBOT QSO POOR DESIGN
Message-ID: <4458@lib.tmc.edu>
Date: 16 Dec 90 00:31:39 GMT
References: <829@idacrd.UUCP> <4e97da9c.14891@alpine.UUCP>
<1990Dec14.181551@envy.bellcore.com>
Sender: usenet@lib.tmc.edu
Followup-To: rec.ham-radio
Organization: University of Texas Medical School at Houston
Lines: 26
Xref: gmdzi rec.ham-radio:17944 rec.ham-radio.packet:3243
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <1990Dec14.181551@envy.bellcore.com> karn@thumper.bellcore.com writes:
>For years I've been trying to tell anyone who will listen that
>connected-mode AX.25 is very ill-suited for "contesting" purposes.
>Unfortunately, the Sarex missions seem to place a very heavy emphasis
>on Joe and Mary HT being able to participate with no special
>knowledge, equipment or protocols, even though this wastes a golden

```
>opportunity to encourage Joe and Mary HT to try something new. and
>even though this results in absolute bedlam on the bands.

Is SAREX for the elite of amateur radio, as is digital OSCAR operation,
or is it for the average ham?

Joe and Mary HT aren't going to be interested in buying new gear (a PSK
modem, for example, 1- isn't cheap, and 2- is a pain to get running) or
learning new software in order to be able to work the shuttle. Instead,
they'll complain loud and long about how those nasty AMSAT types aren't
interested in them, and, unlike the loud complaints about the low-
inclination orbits and Ron's operating hours, they'll have some basis in
fact.

You're right about the two-army problem, but the solution is not to exclude
the average ham.
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu  | adequately be explained by stupidity.
  "...flames are a specific art form of Usenet..." -- Gregory C. Woodbury


From -6569553962740131818
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5ac17cf9e887b6e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 16:42:26 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: reorganize - do it all now [ :-) ]
Keywords: :-)
Message-ID: <4459@lib.tmc.edu>
Date: 16 Dec 90 00:42:26 GMT
References: <1990Dec12.221550.13435@ux1.cso.uiuc.edu>
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 21
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <1990Dec12.221550.13435@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil
Howard KA9WGN) writes:
>rec.radio.amateur.morse.die.die.die

After reading the collected reactions of everyone on here to the FCC's
no-code announcement, I thought that's what this group has turned into... :-(

>rec.radio.amateur.people
>rec.radio.amateur.people.fred-maia
>rec.radio.amateur.people.phil-karn
>rec.radio.amateur.people.wayne-green

...but...
```

>rec.radio.amateur.splut

See, Phil? I get a subhierarchy, but you get a sub-sub-hierarchy. Nyah. :-P :-)

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
  "...flames are a specific art form of Usenet..." -- Gregory C. Woodbury

From 1209591209985714623
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae048f33ca952844
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 16:46:33 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <1990Dec16.004633.6662@NCoast.ORG>
Date: 16 Dec 90 00:46:33 GMT
References: <742.276762D0@w8grt.fidonet.org> <19152@unix.SRI.COM>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 16

As quoted from <19152@unix.SRI.COM> by larson@snmp.sri.com (Alan Larson):
+---------------
| Well, you still don't like it. Perhaps if you tried 20 meters in
| the section between 14.0 and 14.1 MHz, you might find otherwise.
+---------------

Operating CW may reduce liddishness, but I've heard enough hams with about as many functioning neurons as symbols in their call to know that *knowing* code doesn't filter anything.

++Brandon
--
Me: Brandon S. Allbery   VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG   Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR   AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery   Delphi: ALLBERY

From -1064195286051094941
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 16:50:41 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!

allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: morse code
Message-ID: <1990Dec16.005041.6747@NCoast.ORG>
Date: 16 Dec 90 00:50:41 GMT
References: <1990Dec14.012315.7858@zoo.toronto.edu>
<1990Dec14.084634.26138@yenta.alb.nm.us> <1990Dec14.165331.2673@athena.cs.uga.edu>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 24

As quoted from <1990Dec14.165331.2673@athena.cs.uga.edu> by
mcovingt@athena.cs.uga.edu (Michael A. Covington):
+---------------
| > man on a boat who had a CB whose microphone didn't work; used CW for
| > distress call
|
| Did that *really* happen or was it a fictionalized account of what *might*
| happen? I thought it was the latter.
|
| What are the odds of a microphone element failing while the push-to-talk
| button stays in working order?
+---------------

It was reprinted in last year's TUNE IN THE WORLD. Apparently, it really
happened; the CBer in question apparently was unable to talk into the
microphone for some reason.

++Brandon

--
Me: Brandon S. Allbery   VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG   Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR   AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery   Delphi: ALLBERY

From -5077745686518395742
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a0340e29e2ecb5c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 17:10:20 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!
allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: What about those of us in the half-way house?
Message-ID: <1990Dec16.011020.7069@NCoast.ORG>
Date: 16 Dec 90 01:10:20 GMT
References: <748.2767FFE5@w8grt.fidonet.org> <41377@ut-emx.uucp>

Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 17

As quoted from <41377@ut-emx.uucp> by kipper@ccwf.cc.utexas.edu (Kip Ingram):
+---------------
| Will I be a new Tech or an old Tech? My guess is old, since I passed
| the 5 wpm code test. If it did come in as new Tech, I do have the
| certificate they gave me stating that I passed 5 wpm CW; that would let
| me upgrade to HF privs right away, right?
+---------------

The only upgrade involved is possession of a CSCE for Element 1A. So you will in fact be a Tech with code endorsement, and will have Novice HF privileges.

++Brandon
--
```
Me: Brandon S. Allbery              VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR              AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

From -8573294635107419451
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab9b2fbff550298e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 17:14:52 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!att!tut.cis.ohio-state.edu!
usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: What about those of us in the half-way house?
Message-ID: <1990Dec16.011452.7249@NCoast.ORG>
Date: 16 Dec 90 01:14:52 GMT
References: <41377@ut-emx.uucp> <iZP7T3w163w@phoenix.com>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 28

As quoted from <iZP7T3w163w@phoenix.com> by stanley@phoenix.com (John Stanley):
+---------------
| Middle tech's will be those who passed the Tech theory test and the 5 wpm
| test. They will have, according to the info passed here, Novice HF and all
| other VHF+ privs. They will need a General theory test AND 13 wpm to make
| General. (Or, will the more intense new tech test qualify for the general
| theory test?)
+---------------

Given that the Tech license will be an entry-level license (else, what's the point?), I strongly suspect that the theory test will be added to from the

Novice question pool, not the General.

It wasn't clear to me from the ARRL bulletin whether upgrades from Novice to
Tech-with-code-endorsement would take the new test or the 25-question test.
If the new additions to the Tech test are from the Novice pool, then the old
25-question test [as opposed to the ancient 50-question test. OK?] may be
retained for upgrades from Novice.

It may not be clear to the FCC at this point either. We'll just have to wait
for it to hit the Federal Register, I guess.

++Brandon
--
Me: Brandon S. Allbery   VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG   Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR   AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery   Delphi: ALLBERY

From -1955613700823767639
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a0340e29e2ecb5c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 17:18:39 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: FCC ACTS ON CODELESS LICENSE
Message-ID: <1990Dec16.011839.7337@NCoast.ORG>
Date: 16 Dec 90 01:18:39 GMT
References: <752.2768C28E@w8grt.fidonet.org>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 33

As quoted from <752.2768C28E@w8grt.fidonet.org> by jim.grubs@w8grt.fidonet.org
(Jim Grubs):
+---------------
| > From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
| > In article <748.2767FFE5@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org
| > (Jim Grubs) writes:
| > >
| > > > FCC ESTABLISHES NEW CODELESS CLASS OF AMATEUR OPERATOR LICENSE
| > > >   (PR DOCKET 90-55)
| > >
| > >I take back part of what I have said about them in the past. Sometimes the
| > >FCC does indeed do something right!!!
| > >
| >
| > Yes, the _simplicity_ and elegance of the way they did it is quite
| > atypical of bureaucracy, isn't it!

```
|
| Yes. Why do I get this kleine Spannung that this is what they had in mind
| from the beginning?
+---------------
```

I don't think so; why would the FCC incur the wrath of so many hams by suggesting the demise of the Novice and Technician classes, if *this* was their real intent? They'd probably have gotten a clear "yes" answer if they'd suggested this from the beginning.

...now if only they'd give us 220-222 back....

++Brandon

```
--
Me: Brandon S. Allbery              VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR              AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

```
From 1260167459231843895
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ee0d6c912c97c7ca,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 17:24:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!mips!public!rah
From: rah@public.BTR.COM (Richard A Hyde  rah@btr.com)
Newsgroups: rec.ham-radio
Subject: No Code is here.
Message-ID: <1131@public.BTR.COM>
Date: 16 Dec 90 01:24:00 GMT
Organization: BTR Public Access UNIX, MtnView CA, Contact: cs@btr.com 415-966-1429
Lines: 57
```

Copied from Compu$erve:

Message #:35272

```
#: 35272 S1/Your Ham License
    13-Dec-90  14:40:14
Sb: NO-CODE IS HERE! [1]
Fm: Benn Kobb KC5CW 75676,1705
To: ALL
```

The FCC today rejected the Communicator Class no-code amateur license proposal. Instead, it deleted the Morse code requirement from the Technician license. The vote was 5-0.

The full text of the Commission decision has not been released. It is expected in a few days or weeks. Only the News Release is available.

Here is the text of the FCC News Release, Dec. 13, 1990:

* * *

ACTION IN DOCKET CASE

FCC ESTABLISHES NEW CODELESS CLASS OF AMATEUR OPERATOR LICENSE (PR DOCKET 90-55)

The Commission has revised the examination requirement for the Technician Class operator license, thereby creating a new codeless class of amateur operator license. After these revisions become effective, an examinee will not be required to prove that he or she can send and receive texts in Morse code telegraph signals to qualify for a Technician Class amateur operator license.

The amateur service currently consists of five classes of licenses having increasing privileges and each being progressively more difficult to obtain. The classes are Novice, Technician, General, Advanced, and Amateur Extra.

The FCC noted that offering a codeless license class that authorizes control operator privileges at stations which transmit exclusively above 30 MHz, provides an entry level opportunity to otherwise qualified persons who find telegraph a barrier to pursuing the purposes of the amateur service.

Therefore, the FCC has established the Technician Class as the codeless class of license. This license includes all amateur privileges above 30 MHz. The Commission also amended the rules to grandfather frequency pr30
MHz to current Technician Class licenseeice Class operator license
in order to provvice and who can
pass a telegraphy requirement in place of the more comprehensive written examination requirement for the codeless Technician Class operator license.

* * *

-Rick-

```
--
-----------------------------------------------------------------------------
|   Richard Hyde  |  RaH@btr.com  |    This space intentionally left blank   |
-----------------------------------------------------------------------------
```

From -5888075093937351261
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ff4aeabfffa5f79
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 17:24:52 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: FCC decision on no-code license
Message-ID: <1990Dec16.012452.7434@NCoast.ORG>
Date: 16 Dec 90 01:24:52 GMT
References: <7880385@hpfcdc.HP.COM>

```
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 16

As quoted from <7880385@hpfcdc.HP.COM> by ajs@hpfcdc.HP.COM (Alan Silverstein):
+---------------
| * It's 10MHz, Do You Know Morse Code?
+---------------

I don't think that one makes any more sense than it does currently.  After
all, 10MHz isn't available to Techs *now*.  Perhaps you meant 10 meters?

++Brandon



--
Me: Brandon S. Allbery               VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG              Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR               AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY


From 8881894438231757902
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db8d15f2c217a459
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 17:32:12 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!
allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: Technician Licenses (a.k.a. No Code)
Message-ID: <1990Dec16.013212.7615@NCoast.ORG>
Date: 16 Dec 90 01:32:12 GMT
References: <8444@gollum.twg.com>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 14

As quoted from <8444@gollum.twg.com> by sawyer@twg.com (Bruce B. Sawyer):
+---------------
| I had expected to see this in the ARRL bulletins this morning (Friday, Dec. 14)
| but nothing showed up.  It's a good guess something will appear about it in
+---------------

It was in the RTTY/AMTOR bulletins at 9:00pm EST 12/13.

++Brandon
--
Me: Brandon S. Allbery               VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG              Packet: KB8JRR @ WA8BXN
```

America OnLine: KB8JRR   AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery   Delphi: ALLBERY

From -2311127462219660074
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cb9f3f3a925868cc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 18:10:39 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!network.ucsd.edu!brent
From: brent@network.ucsd.edu (Brent Jones)
Newsgroups: rec.ham-radio
Subject: TH-75 repeat mod.
Message-ID: <4211@network.ucsd.edu>
Date: 16 Dec 90 02:10:39 GMT
Organization: Ich geh' kaput. Kommst du mit?
Lines: 3

Could someone please e-mail me a copy of the Kenwood TH-75 repeat mod.

TNX - Brent

From 3178107657700042683
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 20:39:13 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!elroy.jpl.nasa.gov!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9012160439.AA01742@tilde>
Date: 16 Dec 90 04:39:13 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 26

In <karn@envy.bellcore.com (Phil R. Karn)> Phil writes:

>One of the local "industry newsletter" summaries reports that the
>cellular phone industry is feeling the effects of the recession. The
>article reports that the annual growth rate has declined to "less than
>25%", and that Motorola's cellular revenue climbed "only 10%" in 1990.
>
>These figures are indeed small compared to the 50% to 100% per year
>growth rate that the cellular industry experienced in the 1980s (from
>5,000 subscribers in 1983 to 5,400,000 now)

There's nothing amazing about this. When a new product group hits, and creates a whole new market, this sort of growth curve is rather natural.

>but they still look >awfully big when compared to amateur radio's growth
>rate in the same period...

Let's not forget that Amateur Radio's been around a while longer than
cellular. Wait until cellular has been around 60 or so years and then
compare growth rates.

73,
Dube   N5PDK

"Why waste time learning, when ignorance is instantaneous?" -Hobbes

From 5665221898352977775
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6f8517a19f95775,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 20:45:26 PST
Path: gmdzi!unido!mcsun!uunet!know!news.cs.indiana.edu!rutgers!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Kenwood TM-731A mods wanted
Message-ID: <34849@netnews.upenn.edu>
Date: 16 Dec 90 04:45:26 GMT
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 13

I know they have been posted before, but at the time I didn't have a 731.

I need the mods for extended UHF receive and cross-band repeating.

Thanks a meg.

```
                                     --- Jeff
--
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
 Jeff DePolo  N3HBZ              Twisted Pair: (215) 386-7199
 depolo@eniac.seas.upenn.edu     RF: 146.685- 442.70+ 144.455s (Philadelphia)
 University of Pennsylvania      Carrier Pigeon: 420 S. 42nd St. Phila PA 19104
```

From 5692232003874469312
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,35d3e60cb0b10693
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 21:35:08 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!ccwf.cc.utexas.edu

From: kipper@ccwf.cc.utexas.edu (Kip Ingram)
Newsgroups: rec.ham-radio
Subject: Re: 10 meter rig recommendation?
Message-ID: <41482@ut-emx.uucp>
Date: 16 Dec 90 05:35:08 GMT
References: <1990Dec5.212046.11491@midway.uchicago.edu> <7500065@hpfcso.HP.COM>
Sender: news@ut-emx.uucp
Reply-To: kipper@ccwf.cc.utexas.edu (Kip Ingram)
Organization: The University of Texas at Austin
Lines: 17

I don't quite understand why a ham rig modified to run CB should be illegal. Shouldn't the only requirement be that the emissions from the radio meet all of the legal requirements for CB emissions? Forgive my ignorance, but that seems sensible to me as an engineer. Any other requirements would seem to be artificial. Like Mr. Spock said, "A difference which MAKES no difference IS no difference." If a ham rig puts out perfect CB emissions, then while it is doing so it IS a CB rig. What's the deal?

Also, is it legal to modify a CB to operate on 10 meter ham? As a new tech (of the coded variety), that seems to me to be the quickest and dirtiest cheap way onto 10 meter SSB. If I have an SSB CB that runs off of a phase lock loop, shouldn't I just have to change the frequency synthesizer reference crystal to move the whole channel set up into 10m ham?

Thanks,
Kip

From -1303412385747038798
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 22:35:02 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!spool2.mu.edu!uwm.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <1990Dec16.063502.22468@ux1.cso.uiuc.edu>
Date: 16 Dec 90 06:35:02 GMT
References: <24391@ucsd.Edu> <721@philica.ica.philips.nl> <3029@crdos1.crd.ge.COM> <4456@lib.tmc.edu>
Organization: University of Illinois at Urbana
Lines: 31

jmaynard@thesis1.hsch.utexas.edu (Jay Maynard) writes:

>Tell you what. Come up with a name that describes the intended traffic as well
>as .legal, and is more inclusive than .rules, .regs, or .regulations, and I'll
>adopt it. Fair enough?

What is the intended traffic?

I think we clearly want all discussion of FCC rules in there.

But what about:
1. Proposed rules and petitions to the FCC?
2. NPRM's issued by the FCC?
3. Local antenna/tower issues, laws, covenants.
4. Scanner laws and related issues?
5. Bandplans and other operating agreements?
6. Repeater coordination?

The name .regs or .regulations seems to be way too narrow. Also .fcc would be equally too narrow.

The name .legal seems to exclude 5 and 6.

The name .rules seems to but somewhat vague but does seem to be broader.

If we can converge on just WHAT we want in the subgroup then maybe the NAME of the subgroup will come out of that.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 57164206865578463
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4deb1ea5f08148fb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 22:54:26 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!envy!karn
From: karn@envy..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: SHUTTLE ROBOT QSO REQUIREMENT
Keywords: ROBOT QSO POOR DESIGN
Message-ID: <1990Dec16.065426.24358@bellcore.bellcore.com>
Date: 16 Dec 90 06:54:26 GMT
References: <829@idacrd.UUCP> <4e97da9c.14891@alpine.UUCP>
<1990Dec14.181551@envy.bellcore.com> <4458@lib.tmc.edu>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@envy.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 75

In article <4458@lib.tmc.edu> jmaynard@thesis1.hsch.utexas.edu (Jay Maynard) writes:
>Is SAREX for the elite of amateur radio, as is digital OSCAR operation,
>or is it for the average ham?

You have to consider the context of the SAREX packet radio experiment. It was originally scheduled to fly in March 1986. At that time, packet was still a relatively new mode, and the packet "robot" was conceived as a way of popularizing it to the amateur "masses". Of course, as everyone knows, the Challenger disaster in January 1986 resulted in an almost 5-year delay.

I'm sure that if the SAREX robot had flown in March 1986, there would have been many complaints about all that operating time devoted to such an "esoteric" mode. But packet radio is hardly a novel mode any more; if anything, it has been vastly oversold in its present state (1200 bps). Does it really need additional priming?

I admit to being much less enthusiastic about DXing (and DXpeditions) than the average ham. To me it has always seemed little more than stamp collecting with a hi-tech gimmick. But I think it's still fair to ask these questions: when it's all over, what have you gained? What have you learned or created? Have you increased amateur radio's standing in the world?

I'm not saying that the experiment as flown was worthless; to be sure it was fun, it did generate some publicity, and it probably introduced some hams to the mechanics of satellite orbits for the first time. But I can't help but think that much more could have been accomplished.

The opportunity to fly a payload in space, even for a short time on a manned mission, is rare and precious. We should make the most of them, not automatically cater to the least common denominator. Several categories of payloads spring to mind:

1. Technology experiments: more efficient and/or higher speed modems; forward error correcting codes; internetworking tests, etc. The idea is that even though only a few can participate directly, the flight helps advance the technology so it can be brought into the hands of the masses more quickly.

2. Technology demonstrations. Closely related to #1, but using technology that is more mature but not yet widely deployed among the amateur population. The idea here is to create an incentive for the average amateur to learn about the technology and possibly get involved. Some fraction would then get "hooked" and continue to use the technology in other ways (e.g., terrestrially or with unmanned satellites).

3. Operations with high public relations value. My main regret about STS-35 is that they had to cancel the QSO with MIR. To me, this was much more important than the packet robot, even though it was about as low-tech as an "experiment" could be. There was strong media interest in this part of SAREX; just about every AP story I read mentioned it. But the packet robot rated little more than a footnote, if it was mentioned at all. Amateur radio could have gotten a much bigger boost out of STS-35 had the MIR QSO been pulled off.

Speaking of media coverage, has anybody noticed how the TV media handles those "color" stories on Desert Shield and MARS? The typical story shows some guy tuning an SSB radio, with an almost unintelligible voice coming out of it. The reporter almost always refers to the poor audio quality; I believe I even heard one use the phrase "low tech" to describe amateur radio.

What hurts is knowing that this is true. Face it, SSB voice across the ocean used to be a nifty gee-whiz thing, but now that the public is used to satellites and fiber, we hams and our technology have been left behind in the dust. The same thing happens when I try to demonstrate 1200 bps packet radio to somebody who uses 9600 bps V.32 modems every day.

We can do better, but if we always have to cater to the least common denominator we'll never get anywhere.

Phil

From -4899912704556112768
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5ac17cf9e887b6e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 22:57:05 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!envy!karn
From: karn@envy..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: reorganize - do it all now [:-)]
Keywords: :-)
Message-ID: <1990Dec16.065705.24436@bellcore.bellcore.com>
Date: 16 Dec 90 06:57:05 GMT
References: <1990Dec12.221550.13435@ux1.cso.uiuc.edu> <4459@lib.tmc.edu>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@envy.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 11

In article <4459@lib.tmc.edu> jmaynard@thesis1.hsch.utexas.edu (Jay Maynard) writes:
>>rec.radio.amateur.people.phil-karn
>...but...
>>rec.radio.amateur.splut
>
>See, Phil? I get a subhierarchy, but you get a sub-sub-hierarchy. Nyah. :-P

Uh, Jay, you will notice that "splut" is *not* under the "people" subhierarchy. I suspect this was not accidental. :-)

Phil

From 8465386969345638309
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e29fc30af80b5b1c

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 23:24:48 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!att!news.cs.indiana.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: no-code info - from Compuserve
Message-ID: <1990Dec16.072448.26879@ux1.cso.uiuc.edu>
Date: 16 Dec 90 07:24:48 GMT
References: <1990Dec15.050801.5541@bellcore.bellcore.com>
Organization: University of Illinois at Urbana
Lines: 40

karn@envy.bellcore.com (Phil Karn) copies from Compuserv:

>NO-CODE TECHNICIAN CLASS AMATEUR RADIO LICENSE Q&A (Based on FCC info)

I really hate there Q & A things. They make up the questions to fit the answers they want to give you. Let's consider some REAL questions.

>Q: How does the "new" Technician obtain HF privileges (below 30 MHz)? A: By
>passing a 5 WPM Morse code test. The Volunteer Examiner (VE) will award a
>Certificate of Successful Completion of Examination (CSCE) and will notify the
>FCC that the Technician has completed the Morse test. This CSCE will be valid
>for life. No new license or callsign will be issued.

What about the Novice who upgrades to Tech? What will he have to prove to all those who question him about his operations on HF?

>Q: Will the "HF" Technician have to identify in any special way? A: No. The
>FCC decided not to require a suffix or any other special ID for Technicians,
>whether or not they have passed 5 WPM. The regular callsign system will
>continue in effect. The only indicator that one has HF privileges will be the
>CSCE and the name on file at the VE Coordinator and FCC.

What if the dog eats the CSCE, will the FCC issue a replacement one after that particular VEC has departed from the program?

>Q: Why did the FCC do this? A: "The Amateur Service is not growing to the
>extent it probably should, based on what it has to offer. One of the reasons
>we think that providing a non-code entry will be helpful is that it will get
>people, particularly young people who have a primary interest in digital
>communications and computers, interested in this service." - Private Radio
>Bureau chief Ralph Haller, N4RH

Why did the FCC claim to be taking away 220-222 MHz for development of narrowband technologies to correct a shortage of spectrum in the land mobile service when in fact the FCC is now establishing services and licensees in this spectrum to use conventional wider modes?
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 5958067101965516690
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d9f79e0d0393b1c5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 23:36:32 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Technician Calls
Message-ID: <1990Dec16.073632.4541@ux1.cso.uiuc.edu>
Date: 16 Dec 90 07:36:32 GMT
References: <9012152102.AA09128@cmr.ncsl.nist.gov>
Organization: University of Illinois at Urbana
Lines: 51

rc@CMR.NCSL.NIST.GOV (Robert Carpenter) writes:

>Dube Todd asks how we will be able to tell the "with-code" Technicians from
>the "without-code" Technicians, given that there is no difference in the
>calls.

>My answer: The same way you can tell that KA3XXX has an Extra license -
>you can't.

You can ask to see the license. The keyword is "ask". But you might get responses like:

1. My dog ate the CSCE and they don't issue replacements for those.
2. I had the Tech since 1990, but had to get this new one because:
    2a. I moved.
    2b. I traded in my KA call for an N call.
    2c. It replaced the one my dog ate.
3. I was a Novice and upgraded to Tech and:
    3a. I didn't think the Novice ticket was important and threw it out.
    3b. The dog ate the Novice ticket and there is no way to replace it.

As you can tell, it is going to be a bit complicated.

>Maybe the FCC database will carry the w/code notation, but I rather doubt it.
>If the code status is in yet another database, it doesn't seem too likely
>that even the Callbook will merge the two.

They do have this empty slot labeled "C" in the existing database dictionary.

>I, for one, think that our present alphabetical zoo of call letters is mainly
>the result of a failed effort at "administrative neatness" involving an
>exquisitely graduated series of license grades, each with its own block of
>call letters. It all failed when hams were allowed to keep the same call
>when they upgraded. How many of you would like to go back to the old system
>where upgrading REQUIRED a new call?

No way!

I'd MUCH RATHER go to a system where everyone gets a basic 2x3 call sign
no matter what class they have, and can BUY ($$$) a "vanity" call including
those no longer in use, silent keys (grace period for relatives to pick up
the call first should be in there). Also special event stations should be
allowed access to the 1x1 calls (yes, they are "allocated" to the amateur
service; see FCC rules part 2).

Notice also that the N4xxx and N6xxx blocks are getting VERY close to being
used up and they will be stuck with K[C-Z]4xxx and K[C-Z]6xxx calls.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 4938296984480778462
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,504a3cbf4e90bf88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-15 23:38:47 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!
julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No-code license
Message-ID: <1990Dec16.073847.6099@ux1.cso.uiuc.edu>
Date: 16 Dec 90 07:38:47 GMT
References: <9012150044.AA01342@tilde> <24904@ucsd.Edu>
Organization: University of Illinois at Urbana
Lines: 23

brian@ucsd.Edu (Brian Kantor) writes:

>The trick is to realize that it doesn't matter. Clearly the FCC
>doesn't care very much, or they would have come up with a way to tell.
>If they don't care, why should you?
>   - Brian

Clearly the FCC doesn't care very much about taxi drivers using the
10 meter band, so why should you?

Clearly the FCC doesn't care very much if the land mobile service wants
the amateur spectrum for their own, so why should you?

>PS: When is dube gonna go pound on whoever maintains his site's news
>software so that it put the Subject: line into the header instead of the
>body of the message? I mean, if he can't follow Usenet rules, why worry
>about the FCC? Which, after all, is more important? :-)

Usenet, of course. :-)

--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From 1325986376208614254
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e91ccff1f0cf206,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-16 00:00:00 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
canrem.UUCP!info-hams
From: info-hams@canrem.UUCP (Info-hams@ucsd.edu)
Newsgroups: rec.ham-radio
Subject: can't find mailcenter!
Message-ID: <1990Dec16.1508.65@canrem.uucp>
Date: 16 Dec 90 08:00:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 102
```

Steve,

I've heard of Cactus, Condor and Walla, although living on the east coast I've not used them. In my own area I regularly monitor a linked UHF system centered in Philadelphia that covers NYC, NJ and eastern PA.

It is easily the busiest system that I scan (busier even than most 2m machines), and therein lies the problem. If you simply link a bunch of repeaters over a wide area, then you've essentially just built yourself a single very wide area repeater with all the associated problems. Unless you're targeting only certain specific areas, you're using spectrum no more efficiently than the single super-repeater.

I think the key lies in backbone linking systems that can multiplex, switch and conference multiple simultaneous channels so that individual repeaters can be selectively linked on user demand without involving repeaters without users involved in the conversation. Other repeaters in the network might be joined in separate conferences so the network as a whole could support multiple simultaneous QSOs.

I don't know if the Cactus/Condor/Walla systems provide this feature, but it seems highly desirable to me. Digital transmission is even more attractive in this situation since multiplexing and switching is now far easier to do digitally than in analog. Indeed, the economies of scale of digital transmission are such that each user's share of the cost of a digital backbone should be small enough to attract support from many more hams than are using the existing systems. Wide area linked repeaters should then no longer be a scarce resource limited to a private elite, but a mainstream part of amateur radio. And of course the backbone would be available to send large amounts of packet data too...

Phil

Date: 28 Nov 90 03:18:17 GMT
From: sdd.hp.com!zaphod.mps.ohio-state.edu!mips!twg.com!sawyer@ucsd.edu (Bruce B. Sawyer)
Subject: Update on Phased Vertical Arrays (long)
To: info-hams@ucsd.edu

In response to the request for help in explaining some problems I was having in building a phased vertical array for 40 meters, I have received quite a large
knowledgable
there are who obviously follow this group and will respond via email but have the good sense to stay out of some of the unresolvable debates. At any rate, the response I got was so great that I can see there's widespread interest in this topic. Hence this note is offered as something of an update on the topic and a consolidation of some of the suggestions I received.

First of all, I followed some of the initial advice I received and went back and
Each
was tuned in isolation of the other on a single 50 ohm cable. Next, I built a new phasing harness consisting of one 0.25 wavelength section and one 0.5 wavelength section of RG/11: 75 ohm stuff. I know that using multiple quarter-wave sections of 75 ohm cable will transform a 50 ohm load to a 100 ohm load. The two 100 ohm loads in parallel at the "T" connector then present 50 ohms to the feedline back to the transmitter. Without a good antenna noise bridge I'll never know for sure, but at least this brought the SWR down to around 1.25. Furthermore, it dipped in the vicinity of my design frequency (7025), so I treated this as absolutely good enough.

During actual use, it did show considerable gain in the general direction I wanted, but with some new anomalies. I have a second antenna I can use on 40 (a double Zepp cut for 160 and up) that provided a good reference point, since the broad side of the Zepp is in the target direction of the phased vertical array. The thing was absolute dynamite in the target direction--at least a full S unit, maybe more. What was curious was that the maximum gain seemed to be off counterclockwise (looking down) from the axis along the two verticals. It turned out to be a rotten idea for a contest: it put out a great signal to Japan (304 degrees from here), but was really poor toward Europe(at 25 degrees). Never again will I try to use a directional antenna I can't
turn in a worldwide contest.

In the comments I received back, opinion seemed evenly divided between people (who seemed to me to be knowledgable sources) about whether the harness should be built from 50 ohm or 75 ohm cable. I used 75 and it worked, but there sure were a lot of people who said to use 50. (I once built a 2 meter array using

50 ohm cable, and it did fine.) Next, the point was made to me repeatedly
about
opinion was
that the system needs to be tuned with an RF ammeter at the base of each to
insure that each gets an equal current flow when connected in the phased array.
Also suggested was using an antenna noise bridge at the base of each to get the
feedpoint impedences the same when connected in the array. Tuning is accomplished by adjusting the lengths of the delay lines (notice how easy it is to
say that, as opposed to actually doing it?) Several people made the point that
simply cutting the delay lines to the theoretical lengths will not result in a
90 degree phase shift. DL6RAI wrote to say that he had actually measured it at
70 degrees in one he had built this way. That computes with my experience of
having the direction of maximum gain offset from what I expected. However, I'm
---
 y PCB/UseNet Gateway from Sparkware #1
--
Canada Remote Systems. Toronto, Ontario
NorthAmeriNet Host

From 2738630480841720726
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e91ccff1f0cf206
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-16 00:00:00 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
canrem.UUCP!info-hams
From: info-hams@canrem.UUCP (Info-hams@ucsd.edu)
Newsgroups: rec.ham-radio
Subject: can't find mailcenter!
Message-ID: <1990Dec16.1508.59@canrem.uucp>
Date: 16 Dec 90 08:00:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 102

I agree that CB is still useful and can be fun.

In article <1990Nov27.001114.3755@smcnet.smc.edu>, rblack@smcnet.smc.edu
(Russ Black, Media Center) writes:

>   One of the leaders of this trip had a CB to use in case of an emergency
>and the fact that he is not a ham operator. On this trip, I took my 2
>meter rig and my CB rig. I tried to raise people on 2 meters but got no
>one.
>

My biggest beef with 2m is that we end up with no one repeater, in the
San Jose area, having any real concentration of traffic-support
communication. Notable exceptions are machines on moutain passes that are
traversed by a highway. Perhaps there will be more traffic support on
2meters when the weather gets worse and there are more traffic problems to

report.

Does anyone monitor 146.52 when they are driving? This would seem to be a good way to maintain communication with nearby travlers.

I find 2m most useful for calling for help. The higher range of 2m is a big plus here. The downside is that you must find someone monitoring to get help in areas away from home where you are not a member of the repeater.

SUGGESTUION:
SHOULDN'T WE MAKE THE '911 AUTOPATCH' ACCESS METHOD COMMON FOR MOST OPEN REPEATERS?

Reports of not being able to get anyone via any of a number of 2m repeaters is a bit scary.   What happens now if one breaks down in the middle of the might away from home?

> I never really thought that I would ever use my old (CB) rig again.

I expected my 2 meter rig to obsolete my CB radio for travelling but I find both types useful.   I find CB is more useful for getting details on unexpected backups and smokie reports. This is true for roads that have lots of truckers. CB is also fine for car-to-car (over a short range). My biggest beef with CB is the skip in the daytime wipes out local communication.

...Dennis Henderson, N6TTW and still CB-equipped on the road.

Date: 28 Nov 90 01:23:34 GMT
From: agate!shelby!portia.stanford.edu!stankus@apple.com (John Stankus)
Subject: Looking for Clubs and VE testing in Dallas/Garland TX area
To: info-hams@ucsd.edu

I am interested in finding ham clubs and VE testing sites in the Dallas , Richardson, Garland TX area. My brother, who lives in Garland and works for MCI, is interested in becoming a ham. Your help is much appreciated.

Thanks in Advance

John J. Stankus N5PEE   Chemistry Dept.
stankus@portia.stanford.edu   Stanford University

Date: 27 Nov 90 21:13:19 GMT
From: uswat!joeb@boulder.colorado.edu (Joe Bushinski #350 x2026)
Subject: Novice License for $150 ??
To: info-hams@ucsd.edu

In article hlivak@hale.ifa.hawaii.edu (Bob Hlivak) writes:
>@@@@@@@@@@@@@@@@@@@@ begin KH6GDR posting @@@@@@@@@@@@@@@@@@@@@@@@

```
>
>To Whom it may excite:
>
> Stuff Deleted
>
>I have a Class A license.  Remember those ?  Got it on October 3,
>1947 so you figure out how long I've been an active ham.  And IMHO
>this operation stinks !
>
>              73,  Joe Weite  KH6GDR, T32BF, OX5JW, WA6VTX, W2WJM

I see!!! The way you learned things is the ONLY way to learn things. If
you are so sure there is a crime there, you have the authority to look
into it and see that JUSTICE is done. Think back Joe to your learning
days. When you learned it, I'll bet that you didn't really take more than
the 20 hours stated. And did it ever occur to you that maybe...Just
maybe, these folks are actually learning to pass the course. I
congratulate you on being and old fart as I am,

Info-Hams Digest            Tue, 27 Nov 90       Volume 90 : Issue 456

Today's Topics:
          Allmods for Allmost Everything, Part II VERY long!
                       Amtrak odessy coming....
                             DOVE Update
                       GEOMAGNETIC STORM ALERT
                  ic751a vs ic751 microcode problems
---
 y PCB/UseNet Gateway from Sparkware #1
--
Canada Remote Systems.  Toronto, Ontario
NorthAmeriNet Host


From -1684105020002141342
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88d42ed136960362,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,88d42ed136960362,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-12-16 02:19:46 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!think.com!linus!agate!
dog.ee.lbl.gov!nosc!crash!ipars!scotto
From: scotto@ipars.UUCP (Scott O'Connell)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Help with broken RS Pro-2005
Summary: mine needs repair
Message-ID: <19@ipars.UUCP>
Date: 16 Dec 90 10:19:46 GMT
Reply-To: scotto@ipars.UUCP (Scott O'Connell)
Followup-To: rec.radio.shortwave
Organization: Tamin Computer Services
Lines: 35
```

Xref: gmdzi rec.radio.shortwave:3150 rec.ham-radio:17971

My RS Pro-2005 scanner croaked a few weeks ago and it doesn't look like
Santa is going to bring me a new 2006. I have made several modifications
to mine including a COS LED, COS Relay, Quick-Call II decode, improved audio,
prototype S-meter, (read: I'm embarrased at the circuit) faster scan, and
removed the AC transformer. The scanner worked fine for nearly a year after
these modifications.

The symptoms are that it won't receive in any band. The microprocessor
seems to work fine. The radio scans, I have complete control from the
keyboard, and opening the squelch stops the scan. It appears the PLL
is the problem.

When this happened, my cat (actually my wife's cat!) knocked the scanner
off of my desk. It fell to a carpeted floor and was picked up immediately.
It was still working when it was picked up. When I was told, I looked at
the display and it was fine. I heard good audio on hi-band and uhf. Later,
(about 2 hours) I noticed the display showing partial seqments and appeared
locked-up. I turned the scanner off, checked the power connection (13.8) and
turned it back on. It was again scanning merrily along and all was assumed
well. When I realized that I hadn't heard any traffic in a while I again
checked the scanner. It was *hot* and not hearing anything -- even a 6-watt
radio at about 2 feet. I opened the scanner to look for a problem. I can
narrow it down to the PLL board being extreemly hot, but not just in one
place -- the whole board was hot.

No obvious signs of burnt componets. The service manual says it could
be one or all of the custom chips on the PLL board. I'm not competent
enough to try and find the problem, much less the cause, without guidance.

I am looking for known problems, ideas on what could have happened, or,
lastly, where I can get it repaired. I doubt RS will look at it with all
the mods.

Thanks in advance.

From 4462858717649188303
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-16 06:33:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!usc!wuarchive!bcm!lib!
thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <4461@lib.tmc.edu>
Date: 16 Dec 90 14:33:10 GMT
References: <3029@crdos1.crd.ge.COM> <4456@lib.tmc.edu>
<1990Dec16.063502.22468@ux1.cso.uiuc.edu>

Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 20
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <1990Dec16.063502.22468@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN) writes:
(What is the intended traffic?)
>1. Proposed rules and petitions to the FCC?
>2. NPRM's issued by the FCC?
>3. Local antenna/tower issues, laws, covenants.
>4. Scanner laws and related issues?
>5. Bandplans and other operating agreements?
>6. Repeater coordination?

All of the above. _Anything_ having to do with what can and cannot be done,
or should and should not be done, in the world of ham radio.

>The name .legal seems to exclude 5 and 6.

Not when you consider that both have been given legal weight by the FCC.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
  "...flames are a specific art form of Usenet..." -- Gregory C. Woodbury

From -5191308074053748892
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,68224797fbfb3762
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-16 06:35:04 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!caen!b-tech!ais.org!danr
From: danr@ais.org (Daniel Romanchik)
Newsgroups: rec.ham-radio
Subject: Re: PD Morse Code Program Runnable on 386 Needed
Keywords: Morse code
Message-ID: <DT$+Q_%@irie.ais.org>
Date: 16 Dec 90 14:35:04 GMT
References: <18242@netcom.UUCP>
Sender: danr@ais.org
Organization: UMCC, Ann Arbor, MI
Lines: 12

In article <18242@netcom.UUCP> feustel@netcom.UUCP (David Feustel) writes:
>I need a (PD) morse code program that will run on a 386. I dusted off
>a morse code program I bought for my xt in 85 and found it running in
>the neighborhood of 120 wpm on my 386sx - a little too fast for me to
>follow.
>--

Try getting the program ATSLOW from a local BBS. This program is supposed to slow down the AT to XT speeds so programs like the Morse code practice progam run correctly.

73, Dan KB6NU (danr@ais.org)

From -4132745978497054885
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4deb1ea5f08148fb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-16 06:50:03 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!usc!wuarchive!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: SHUTTLE ROBOT QSO REQUIREMENT
Keywords: ROBOT QSO POOR DESIGN
Message-ID: <4462@lib.tmc.edu>
Date: 16 Dec 90 14:50:03 GMT
References: <1990Dec14.181551@envy.bellcore.com> <4458@lib.tmc.edu> <1990Dec16.065426.24358@bellcore.bellcore.com>
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 75
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <1990Dec16.065426.24358@bellcore.bellcore.com> karn@envy.bellcore.com (Phil R. Karn) writes:
>You have to consider the context of the SAREX packet radio experiment.
>It was originally scheduled to fly in March 1986. At that time,
>packet was still a relatively new mode, and the packet "robot" was
>conceived as a way of popularizing it to the amateur "masses". Of
>course, as everyone knows, the Challenger disaster in January 1986
>resulted in an almost 5-year delay.

Maybe it was relatively new to the folks in your area in March 1986; here, it was flourishing to the point that there was already significant band crowding. Packet didn't need popularizing, then or now.

>I'm sure that if the SAREX robot had flown in March 1986, there would
>have been many complaints about all that operating time devoted to
>such an "esoteric" mode. But packet radio is hardly a novel mode any
>more; if anything, it has been vastly oversold in its present state
>(1200 bps). Does it really need additional priming?

No...but then, that's only significant if that's the entire purpose of the experiment.

>The opportunity to fly a payload in space, even for a short time on a
>manned mission, is rare and precious. We should make the most of them,
>not automatically cater to the least common denominator.

...in other words, space is for the elite, not J. Random Ham, unless he

wants to spend limitless bucks on keeping up on the leading edge of
technology.

>1. Technology experiments: more efficient and/or higher speed modems;
>forward error correcting codes; internetworking tests, etc. The idea
>is that even though only a few can participate directly, the flight
>helps advance the technology so it can be brought into the hands of
>the masses more quickly.

Why is this necessarily a good thing to do on a space mission? What does
space provide that terrestrial experiments don't?

>2. Technology demonstrations. Closely related to #1, but using
>technology that is more mature but not yet widely deployed among the
>amateur population. The idea here is to create an incentive for the
>average amateur to learn about the technology and possibly get
>involved. Some fraction would then get "hooked" and continue to use
>the technology in other ways (e.g., terrestrially or with unmanned
>satellites).

You're again assuming large quantities of uncommitted funds. The average
ham will see that he needs to spend several hundred bucks to make use of
the technology, blow off the whole thing, and complain.

>3. Operations with high public relations value. My main regret about
>STS-35 is that they had to cancel the QSO with MIR. To me, this was
>much more important than the packet robot, even though it was about as
>low-tech as an "experiment" could be. There was strong media interest
>in this part of SAREX; just about every AP story I read mentioned it.
>But the packet robot rated little more than a footnote, if it was
>mentioned at all. Amateur radio could have gotten a much bigger boost
>out of STS-35 had the MIR QSO been pulled off.

I agree with you about this one. That we didn't hook up with MIR counts as
a major disappointment, even more so than the fact that I wasn't heard by
the robot. :-) What you're forgetting are the reasons that NASA approved
SAREX in the first place: education (which we accomplished, though not as
well as we'd hoped), and good old-fashioned PR - not for ham radio, but the
space program. They got that out of it in spades.

>We can do better, but if we always have to cater to the least common
>denominator we'll never get anywhere.

Yes, we can do better, but we shouldn't exclude the average ham in the
process.
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
  "...flames are a specific art form of Usenet..." -- Gregory C. Woodbury

From 6552740354841959492
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,b5ac17cf9e887b6e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-16 06:53:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!cs.utexas.edu!swrinde!
zaphod.mps.ohio-state.edu!wuarchive!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: reorganize - do it all now [:-)]
Keywords: :-)
Message-ID: <4463@lib.tmc.edu>
Date: 16 Dec 90 14:53:00 GMT
References: <1990Dec12.221550.13435@ux1.cso.uiuc.edu> <4459@lib.tmc.edu>
<1990Dec16.065705.24436@bellcore.bellcore.com>
Sender: usenet@lib.tmc.edu
Followup-To: rec.radio.amateur.my.hierarchy.is.bigger.than.your.hierarchy.nyah
Organization: University of Texas Medical School at Houston
Lines: 11
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <1990Dec16.065705.24436@bellcore.bellcore.com> karn@envy.bellcore.com
(Phil R. Karn) writes:
>Uh, Jay, you will notice that "splut" is *not* under the "people"
>subhierarchy. I suspect this was not accidental. :-)

Of course not. Why would someone classify a machine as a person? Even if
it _is_ my machine... :-)

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
  "...flames are a specific art form of Usenet..." -- Gregory C. Woodbury

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From 3419906593288783284
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-16 08:37:23 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!usc!wuarchive!emory!
wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Re: Ham licenses without Morse code -- News item
Message-ID: <1674@ke4zv.UUCP>
Date: 16 Dec 90 16:37:23 GMT
References: <1990Dec12.231058.23895@engin.umich.edu> <1250305@hpnmdla.HP.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 51

In article <1250305@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>In rec.ham-radio, henry@zoo.toronto.edu (Henry Spencer) writes:
>

>... Morse is basically
>>obsolete, since digital modulation techniques are far superior at punching
>>clean signals through noise.
>
>I disagree. People think that there is something magic in DSP (Digital
>Signal Processing), but it really is nothing more than fancy filtering.
>The human ear/brain is also a pretty fancy adaptive filter, and it can
>"fill in" missing text based on higher-level reasoning that would be
>impossible for a computer. For sending human-readable text at
>slow conversational (rag-chew) speeds over narrow bandwidth channels,
>CW is unmatched. It also has the advantage of simple, inexpensive
>equipment.
>
>AL N1AL

CW transmitters are certainly about the cheapest and simplest way to send intelligence via radio. However, to do real *weak* signal work, the receiver needs to be more sophisticated than most voice receivers. The requirement for narrow filters with minimum ringing drives the price up beyond that required for voice reception. A *very* skilled CW operator with a very high grade receiver can do *wonders*. Yet, I have had sucessful AMTOR contacts where I couldn't reliably tell by ear that a signal was present. I could see it on the TU's scope though. I believe that a good AMTOR setup will get through when 90% of CW operators would throw up their hands. And the radio equipment does not need to be any more complex than a modest QSK CW setup. Of course like everything else, there is good AMTOR equipment and bad. In general, I have not been impressed with the do everything boxes. An ST-6 still outperforms the builtin modems on these things. There is room for a lot of improvement in modems and error correcting codes for mechanical systems while the human CW machine is probably as highly developed as it ever will be.

AMTOR equipment has more patience with fading channels and QRN and QRM than most CW operators. And when the channel is even modestly good, AMTOR will have higher thruput than CW. I haven't heard of any AMTOR moonbounce contacts (I believe the path length screws up the timing). But when reception of three dashes is considered a contact, I guess CW is plenty good enough. I really marvel at those rare CW operators who can reliably hear those three dashes down in all that noise. When I tried it, I was convinced that I was hearing CW in the noise when in fact my preamp was blown and there were no real signals there, just ringing filters and ears. So, like John Henry and the steam hammer, there are those rare CW supermen (and women) who *can* rival the mechanical systems in current use, but most of us are far from being such CW marvels, and for us, the machines win with embarrassing regularity. And with the advent of affordable DSP, the machines are only going to get better.

Gary KE4ZV

From -4135874690712296252
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,35d3e60cb0b10693

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-16 09:07:55 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: 10 meter rig recommendation?
Message-ID: <1676@ke4zv.UUCP>
Date: 16 Dec 90 17:07:55 GMT
References: <1990Dec5.212046.11491@midway.uchicago.edu> <7500065@hpfcso.HP.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 27

In article <7500065@hpfcso.HP.COM> vodall@hpfcso.HP.COM (Bill Vodall) writes:
>/ hpfcso:rec.ham-radio / alanb@hpnmdla.HP.COM (Alan Bloom) / 6:10 pm Dec 12, 1990 /
>>to hurt anything.
>
>I agree with the comment about using CW. It is definitely illegal to modify
>a ham rig to operate on CB as the radio is not type-accepted for that service.
>
>AL N1AL
>----------
>
>This is a good question for all the net-lawyers.
>
>Is it illegal to modify a rig to RECEIVE CB?

No.

>Is it really illegal to modify a rig to make it capable of transmitting on the
>CB band?   There's no question that it's against the rules to transmit with
>it. Is the mere ownership of a non-type accepted CB rig illegal?

Well I can't quote a rule, but notice that QST frequently prints FCC news
releases about confiscated "illegal CB" equipment. The contraband is usually
crude "linears" and modified ham equipment. These seizures are not just for
operating, most seem to be truckstop operations offering the equipment for
sale.

Gary KE4ZV

From 754504412648663115
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,da7d195b4241d9b4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-16 09:39:28 PST
Path: gmdzi!unido!mcsun!uunet!w3vh!rolfe
From: rolfe@w3vh.UUCP (Rolfe Tessem)
Newsgroups: rec.ham-radio
Subject: Re: FT736 Mods Needed
Keywords: FT736 Oscar Packet Mods

```
Message-ID: <107@w3vh.UUCP>
Date: 16 Dec 90 17:39:28 GMT
References: <1932@gvgpvd.GVG.TEK.COM>
Organization: W3VH Packet Radio Gateway
Lines: 19

randyh@gvgpvd.GVG.TEK.COM (Randy K. Hall) writes:


>I have a FT736R on order. I'm looking for mods that I might want to
>consider. I'll be using this for Packet, Oscar, & Oscar Packet.

Unless you're planning on using 9600 baud PSK (for UO-14, for example)
the stock 736 works fine.  I have the 9600 baud mod someplace, and will
email it if needed.  The only other thing that gets a bit squirrely is
interfacing a 736 to an AEA PK-232 -- the two just don't like talking
to each other, and there has been a fair amount of finger pointing by
each company claiming the other is to blame.  I've gotten the combo to
work for me by installing some bypassing at the PK-232 end and a 10K resistor
in series with the transmit audio out of the 736's back panel.
--
Rolfe Tessem        | Lucky Duck Productions
rolfe@w3vh.UUCP        | 17 Saint Luke's Place
{uunet}!w3vh!rolfe  | New York, NY 10014
(413) 528-5966         | (212) 463-0029


From -4407264360728914788
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-16 11:06:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <5LDau1w163w@phoenix.com>
Date: 16 Dec 90 19:06:51 GMT
References: <4457@lib.tmc.edu>
Organization: One Man Brand
Lines: 24


jmaynard@thesis1.hsch.utexas.edu (Jay Maynard) writes:

> In article <DuyyT4w163w@phoenix.com> stanley@phoenix.com (John Stanley) write
> >jmaynard@thesis1.hsch.utexas.edu (Jay Maynard) writes:
> >> (Side note: Please make sure that discussion is posted to news.groups as w
> >> as rec.ham-radio. This is required by the Guidelines for Newsgroup Creatio
> >   Unfortunately, it is not possible to do that here. Guidelines is
> >guidelines, not law. In this case, they can't be followed.
>
> Your software is broken if it can't cross-post. I suggest you get it fixed.
```

That's a hoot. I have seen exactly the opposite opinion regarding cross posting to groups not carried. Your software is broken if it allows you to post to groups that you have no way of reading. That was from someone with whom I was not involved in a discussion of any sort, much less on opposite sides. I tend to believe his opinion over someone who would grasp at straws to denigrate an opponent.

I have since added news.groups. It is sort of a waste, don't you think? Since every post here shows up in rec.ham-radio (or is supposed to, according to The Net Gospel), I now have twice the space used for the rec.ham-radio reorg messages, plus all the other discussions. Too bad some people can't live outside their precious 'guidelines'.

From 1730027478819286371
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a502a0e0ca9b4707
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-16 11:57:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!rice!uw-beaver!sumax!quick!amc-gw!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: NEW NOVICE Seeks advice on first rig.
Summary: HF Radios
Message-ID: <671@ssc.UUCP>
Date: 16 Dec 90 19:57:25 GMT
References: <10183@bunny.GTE.COM> <27080042@col.hp.com>
Organization: very little
Lines: 35

In article <27080042@col.hp.com>, bobw@col.hp.com (Bob Witte) writes:
> >/ col:rec.ham-radio / jp10@GTE.COM (Jeffrey Perry) / 11:30 am Dec 10, 1990 /
> >
> > I just passed my novice test Dec 1 ! I am now working on my Tech!
> >
> > I would greatly appreciate any advice an recommendations on setting up my
> > shack, and purchasing radios and attennas. I plan on making my own antennas
>
> > ? If not, would it be cheaper to get a ham bands only transceiver?

>   - I think the "major brands" are all OK: namely Kenwood, ICOM, Yaesu
>   (Ten Tec is probably OK too, but I don't have any experience with
>   them.) I tend to prefer Kenwood and ICOM over Yaesu, but I can't
>   really support that with hard data.
>   - It sounds to me like you may be price sensitive. If so, then
>   you should look around for a used rig. If so, that means you
>   should probably pay more attention to the condition of the rig
>   and the price than the particular bells and whistles.

If you want a good cheap HF radio that covers all the WARC bands, but is not

general coverage, the Icom IC730 is an excellent choice. They are going
for about $400 on the used market, and they are nice and tiny if you want
to ever take it mobile.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 5647334926120468679
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cb9f3f3a925868cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-16 12:42:12 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cunixf.cc.columbia.edu!cunixd.cc.columbia.edu!mig
From: mig@cunixd.cc.columbia.edu (Meir)
Newsgroups: rec.ham-radio
Subject: Re: TH-75 repeat mod.
Message-ID: <1990Dec16.204212.21348@cunixf.cc.columbia.edu>
Date: 16 Dec 90 20:42:12 GMT
References: <4211@network.ucsd.edu>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Organization: Columbia University
Lines: 13

In article <4211@network.ucsd.edu> brent@network.ucsd.edu (Brent Jones) writes:
>Could someone please e-mail me a copy of the Kenwood TH-75 repeat mod.
>
>TNX - Brent

I have the TH-75A; but I never heard of or saw a repeat mod. If such a mod
is available, I too would appreciate seeing the details!

Many thanks, Meir

```
 * * * * * * *  ======================= Meir Green
* * * * * * * * ======================= mig@cunixd.cc.columbia.edu
 * * * * * * *  ======================= N2JPG
```

From 3114269156885301341
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-16 12:58:59 PST

```
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cunixf.cc.columbia.edu!cunixd.cc.columbia.edu!mig
From: mig@cunixd.cc.columbia.edu (Meir)
Newsgroups: rec.ham-radio
Subject: Re: Internet-Packet Reply (LONG!)
Message-ID: <1990Dec16.205859.23156@cunixf.cc.columbia.edu>
Date: 16 Dec 90 20:58:59 GMT
References: <658@ssc.UUCP> <1990Dec12.184851.29531@cunixf.cc.columbia.edu>
<662@ssc.UUCP>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Organization: Columbia University
Lines: 33

In article <662@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>In article <1990Dec12.184851.29531@cunixf.cc.columbia.edu>,
mig@cunixb.cc.columbia.edu (Meir) writes:
>> In article <658@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>> >
>> >What about repeaters that have a burglar alarm to indicate on the air
>> >when an intruder has entered the area?  Would this be illegal, because
>> >like the caller on the phone, the intruder might not be a licensed ham?
>>
>> No; it would be legal because it involves the immediate protection of property
>> and possibly of limb (maybe the intruder isn't a ham and hasn't seen a 2 KV
>> power supply before).  In such an emergency, there is no question as to
>> legality.
>
>I don't think so.  With this logic, I could go around installing wireless
>burglar alarm systems that used ham radio frequencies, and claim that
>it was all legal because it was emergency communications.
>
>
>Tad Cook

OK; So install a siren on the site.  Noone will hear it.  But when the
intruder picks up the repeater's local mike, you WILL hear that:
"Hello, is there anybody out there?  Break 1-9...."
You'll come running, but by that time your repeater will be off the air
and who knows where!

Just hope the intruder isn't a jealous ham.
But in that case, it would be legal to have the burglar alarm.
Maybe he would ID for you!?

 * * * * * * *  ======================= Meir Green
* * * * * * * * ======================= mig@cunixd.cc.columbia.edu
 * * * * * * *  ======================= N2JPG


From -6616821566929689009
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b39b51f887746cb6
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1990-12-16 14:05:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!rice!uw-beaver!sumax!quick!amc-gw!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: 10 meter rig recommendation?
Summary: ham calls on CB
Message-ID: <672@ssc.UUCP>
Date: 16 Dec 90 22:05:01 GMT
References: <1990Dec5.212046.11491@midway.uchicago.edu> <7500058@hpfcso.HP.COM>
<3070@naucse.cse.nau.edu>
Organization: very little
Lines: 22

In article <3070@naucse.cse.nau.edu>, rrw@naucse.cse.nau.edu (Robert Wier) writes:
> :-))... This summer I made several trips between Flagstaff and
> Fort Worth. Was driving in towards Amarillo about 9 at night
> when I passed a van with a WB0... license plate. I have my
> WB5... plates on. I switch on the CB and sure enough there he
> is. We had a nice qso, although it was tough to remember not
> to use our callsigns.

Actually, using your ham call on 11 meters is LEGAL! The FCC doesn't
care if or how you ID your CB station. So as long as you are running
a type accepted radio and don't mind folks knowing who you are, go
ahead and sign your ham call on CB.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 6108967250195158044
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6e083d201700a733
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 112d29,6e083d201700a733
X-Google-Attributes: gid112d29,public
X-Google-ArrivalTime: 1990-12-16 15:46:27 PST
Path: gmdzi!unido!mcsun!ukc!dcl-cs!aber-cs!athene!pcg
From: pcg@cs.aber.ac.uk (Piercarlo Grandi)
Newsgroups: comp.os.misc,rec.ham-radio
Subject: Re: What should a scheduler do?
Message-ID: <PCG.90Dec16234627@teachb.cs.aber.ac.uk>
Date: 16 Dec 90 23:46:27 GMT
References: <1990Dec06.212613.25912@ism.isc.com>
Sender: aro@aber-cs.UUCP

Organization: Coleg Prifysgol Cymru
Lines: 44
Xref: gmdzi comp.os.misc:1187 rec.ham-radio:18025
Nntp-Posting-Host: teachb
In-reply-to: johnan@ism.isc.com's message of 6 Dec 90 21:26:13 GMT

On 6 Dec 90 21:26:13 GMT, johnan@ism.isc.com (John Antypas) said:

In article <1990Dec06.212613.25912@ism.isc.com> johnan@ism.isc.com (John Antypas) writes:

johnan> Some of us here at ISC are looking into developing a new
johnan> interface for the famous KA9Q program under Unix. While KA9Q
johnan> works under Unix, it is a monolithic program handling all client
johnan> and server tasks. We would like to split this apart such that
johnan> clients and servers need not run as the same process.

What you want to do is essentially a network server like Mach, or user implemented domains like 4.2BSD (not yet implemented). Your network server is a (possibly multithreaded) process that takes "messages" from local processes, packs them up, and then accesses the hardware interface to send them over a particular medium (or viceversa of course).

To do it under Unix it is almost essential to have the ability to pass file descriptors in "messages", and to poll()/select() (the latter to simulate multithreading within the server). STREAMS does offer you these abilities, and so does UNIX domain IPC. I'd rather go with STREAMS on System V, even if you have a socket library.

I would go with a clone of the AT&T TLI as the API. When you try to open a connection, you must specify a transport provider; the library would then open a well known named stream to the KA9Q server (instead of linking to a multiplexor in the kernel and pushing modules therein), ask it to create an appropriate connection, associate it a file descriptor, and then return over the well known named stream that file descriptor.

I think this can be easily implemented also under monotasking OSes; transferring the file descriptor/handle from the "server" to the "client" would just involve an assignment...

If you want extra details, read the Accent IPC TechReps from Carnegie Mellon, and the Mach documentation on network servers.

If one is prepared to be clever (hacking the Unix scheduler a bit would help), the cost of two context switches on every transaction can be duly minimized.
--
Piercarlo Grandi | ARPA: pcg%uk.ac.aber.cs@nsfnet-relay.ac.uk
Dept of CS, UCW Aberystwyth | UUCP: ...!mcsun!ukc!aber-cs!pcg
Penglais, Aberystwyth SY23 3BZ, UK | INET: pcg@cs.aber.ac.uk

From 486100950505730388

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-16 16:29:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio,news.groups
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <4464@lib.tmc.edu>
Date: 17 Dec 90 00:29:39 GMT
References: <4457@lib.tmc.edu> <5LDau1w163w@phoenix.com>
Sender: usenet@lib.tmc.edu
Followup-To: rec.ham-radio
Organization: University of Texas Medical School at Houston
Lines: 37
Xref: gmdzi rec.ham-radio:17991 news.groups:23650
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <5LDau1w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
>jmaynard@thesis1.hsch.utexas.edu (Jay Maynard) writes:
[in reply to John's comment that he can't cross-post to news.groups]
>> Your software is broken if it can't cross-post. I suggest you get it fixed.
>   That's a hoot. I have seen exactly the opposite opinion regarding
>cross posting to groups not carried. Your software is broken if it
>allows you to post to groups that you have no way of reading. That was
>from someone with whom I was not involved in a discussion of any sort,
>much less on opposite sides. I tend to believe his opinion over someone
>who would grasp at straws to denigrate an opponent.

Oh, I'm sorry. I expected that, since your site is on Usenet, that it would carry the groups that discuss Usenet itself - news.*. How foolish of me. Please feel free to continue in your ignorance - after all, ignorance is bliss, and you certainly appear to want to avoid being unhappy.

>   I have since added news.groups. It is sort of a waste, don't you
>think? Since every post here shows up in rec.ham-radio (or is supposed
>to, according to The Net Gospel), I now have twice the space used for
>the rec.ham-radio reorg messages, plus all the other discussions. Too
>bad some people can't live outside their precious 'guidelines'.

Adding news.groups wastes *nothing*, as does any crosspost. The article is neither transmitted twice nor stored twice on disk. It does allow those who follow the group creation process to weigh *all* of the issues before casting a vote. Further, the guidelines - which you show such disdain for - were designed to minimize the possibility that changes would be made that did not reflect the true wishes of the users and admins of the net. Failure to follow them would doom the reorganization effort, as there are many people who automatically vote against any proposal that violates them...or is this your intent - to torpedo a proposal that you obviously dislike in this backhanded manner?

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
  "...flames are a specific art form of Usenet..." -- Gregory C. Woodbury

From 2830817402691417848
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-16 17:10:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <1990Dec17.011020.15125@athena.cs.uga.edu>
Date: 17 Dec 90 01:10:20 GMT
References: <18130@shlump.nac.dec.com> <831@idacrd.UUCP> <21877@ttidca.TTI.COM>
Organization: University of Georgia, Athens
Lines: 15

"CW's an artform, not an absolute standard..."

More succinctly: We are no longer training the Signal Corps for WW I.

There are only 2 reasons to have any ham license requirement:
  (1) The skill is essential for someone to safely and effectively exercise
  the privileges that the license grants; or
  (2) though not essential, the skill is needed in order to build up our
  national reserve of skilled operators.

It's hard to justify code exams > 5 wpm on either of these grounds.
Learn code to 5 wpm, and you're ready to get on the air, and if you enjoy
CW, you'll have plenty of incentive to increase your speed on the air;
the FCC need not supply the incentive. We have no national need for a
trained reserve of fast CW ops.

From -1287947417687843817
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4deb1ea5f08148fb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-16 17:43:50 PST
Path: gmdzi!unido!mcsun!uunet!olivea!apple!usc!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!aplcen!jhunix!ins_atge
From: ins_atge@jhunix.HCF.JHU.EDU (Thomas G Edwards)
Newsgroups: rec.ham-radio
Subject: Re: SHUTTLE ROBOT QSO REQUIREMENT
Summary: SAREX Things
Keywords: ROBOT QSO POOR DESIGN
Message-ID: <7193@jhunix.HCF.JHU.EDU>

```
Date: 17 Dec 90 01:43:50 GMT
References: <4e97da9c.14891@alpine.UUCP> <1990Dec14.181551@envy.bellcore.com>
<4458@lib.tmc.edu>
Organization: The Johns Hopkins University - HCF
Lines: 30

In article <4458@lib.tmc.edu> jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
writes:
>In article <1990Dec14.181551@envy.bellcore.com> karn@thumper.bellcore.com writes:
>>Unfortunately, the Sarex missions seem to place a very heavy emphasis
>>on Joe and Mary HT being able to participate with no special
>>knowledge, equipment or protocols...

>Is SAREX for the elite of amateur radio, as is digital OSCAR operation,
>or is it for the average ham?

Around Baltimore, it appeared the SAREX roboti was pretty much a
disaster.  I tried to get to the highest point around with the best
southern horizon, and wasn't able to copy a single packet (or even hear
any transmission) on the robot tx frequency from WA4SIR.  Of course, there
was the occasional silly person who accidently transmitted on the
robot tx freq, but that was another problem.  I was probably too north
to work it.  (Did anyone north of Baltimore work the robot from a non-
mountainous position?).  I think the duplex set up
further negates the ability of 2m packet to work (i.e. you could be
transmitting while the shuttle is).

But on the other hand, I thought it was a good chance to get "Joe and
Mary HT" on to space communication (although probably best for people
south of the Carolinas!).  Digital space communication is difficult
for people to get into because of the shear number of boxes they have
to buy.  Why doesn't some company build a digital 220/440 dual band
radio with built in PSK modems and a TNC?  If integrated and mass produced,
I'm sure this would bring down the cost of digital space communication.
I'd buy one!

-Tom



From -4198342305377514857
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0c54d597d79c632,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-16 19:22:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Codeless Tech License
Keywords: FCC announcement
Message-ID: <1990Dec17.032209.28141@ux1.cso.uiuc.edu>
Date: 17 Dec 90 03:22:09 GMT
References: <661@ssc.UUCP>
Organization: University of Illinois at Urbana
```

Lines: 14

tad@ssc.UUCP (Tad Cook) writes:
>So by this time next year I expect to see HUGE advances in the
>state of the art, a revitalization of the US ham manufacturers,
>(Hammarlund making DSP boxes?) and ham radio growing like crazy
>with all this new talent.

>Or will we just see a lot more folks yakking on 2 meters?

All of the above provided we PROMOTE ham radio now like we could not
have before.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -3076724936182220950
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b39b51f887746cb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-16 19:25:49 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!hpdmd48!ritchie
From: ritchie@hpdmd48.boi.hp.com (David Ritchie)
Newsgroups: rec.ham-radio
Subject: Re: 10 meter rig recommendation?
Message-ID: <530032@hpdmd48.boi.hp.com>
Date: 17 Dec 90 03:25:49 GMT
References: <1990Dec5.212046.11491@midway.uchicago.edu>
Organization: Hewlett Packard - Boise, ID
Lines: 27

>I don't quite understand why a ham rig modified to run CB should be illegal.
>Shouldn't the only requirement be that the emissions from the radio meet
>all of the legal requirements for CB emissions? Forgive my ignorance, but
>that seems sensible to me as an engineer. Any other requirements would
>seem to be artificial. Like Mr. Spock said, "A difference which MAKES no
>difference IS no difference." If a ham rig puts out perfect CB emissions,
>then while it is doing so it IS a CB rig. What's the deal?

This is because amateur radio operators are not licensed to service
CB transmitters. You must have a general radiotelephone license to do this,
as CB requires that operators use type accepted equipment (as does other
land mobile services). Amateur radio equipment is not type accepted, so
it can not be used on CB frequencies.

>Also, is it legal to modify a CB to operate on 10 meter ham? As a new
>tech (of the coded variety), that seems to me to be the quickest and
>dirtiest cheap way onto 10 meter SSB. If I have an SSB CB that runs off
>of a phase lock loop, shouldn't I just have to change the frequency
>synthesizer reference crystal to move the whole channel set up into 10m

>ham?

And there is nothing stopping you from doing this -- amateur radio does
not require the use of type accepted equipment. You will have to do more
than just change the PLL to make this work, however.

-- Dave Ritchie N4DJS
ritchie@hpdmd48.boi.hp.com

From 5554466043613766231
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1720ffd2c81d7c56,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 01:46:02 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!agate!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: WWII
Message-ID: <14.Dec.90.09:53:21.GMT.#1484@UK.AC.NWL.IA>
Date: 14 Dec 90 09:46:02 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18

Over here in Europe, ham radio got the chop rather quickly when WWII broke
out (some countries banned ham radio - except under the supervision of members
of certain political parties - *way* before WWII actually began).
Once the War broke out, most of the hams were drafted in any case (in the
UK there was a 'volunteer reserve' scheme under which hams were encouraged to
register their skills, and when the war broke out, this reserve of skilled
telegraphists, VHF/UHF experts etc. were just what the Military ordered....)
Anyone who is interested in some of the stuff British and Polish hams did
during WWII should read 'The Secret War' by Brian Johnson (BBC Publications);
a rather technical book full of pictures of AR88's and S27's and HROs.
In some countries, ham gear was actually impounded by the relevant national
administration, presumably so it would not be used by spies (sorry,
Special Operations Executives).

Pete Lucas G6WBJ G6WBJ@GB7SDN.GBR.EU PJML@UK.AC.NWL.IA 0793-411613

(p.s. i am not old enough to remember the above actually happening, but my
father spent WWII polishing 807's and 813's in the service of his country).

From -24962948591840806
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,86e4e58a8cab0687
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 01:53:59 PST
Path: gmdzi!unido!mcsun!ukc!axion!uzi-9mm.fulcrum.bt.co.uk!beta.its.bt.co.uk!jvt

From: jvt@its.bt.co.uk (John Trickey)
Newsgroups: rec.ham-radio
Subject: Re: Reciprocal operating in France?
Message-ID: <SXF^JX@uzi-9mm.fulcrum.bt.co.uk>
Date: 13 Dec 90 10:56:38 GMT
References: <5637@qip.UUCP> <1250290@hpnmdla.HP.COM>
Sender: news@fulcrum.bt.co.uk (News with an UZI)
Organization: BT Applied Systems, Birmingham, UK
Lines: 31
Posted: Thu Dec 13 11:56:38 1990

In article <1250290@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>In rec.ham-radio, john@anasaz.uucp (John Moore) writes:
>
>>I expect to spend considerable time in France early next year.
>...
>>We don't speak ANY French - is that a problem?
>
>You really only need to know one phrase:
>
>"Ou est le lavabo?" = Where is the toilet?
>
>For any OTHER request you can use sign language.
>
>AL N1AL

OUCH!!! I can think of many more phrases that are eminently more relevant. How about the niceties or are manners dead! S'il vous plait (PLEASE) [pronounced - si vu play - excuse weird phonetics] gets you a *very* long way. Merci (THANK YOU) [mercy] is another good one.

My advice to anyone travelling to *any* country is to invest in a phrase book and learn these plus the basic greetings. Then you can employ them with words you have picked up or sign language.

Flames to soc.culture.french

John.
--
John Trickey <jvt@its.bt.co.uk> || ..!mcsun!ukc!axion!its
              G4REV @ GB7SUT   Voice: +44 21 333 3369
#include <std/disclaimer>

From -5154253014239427288
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4deb1ea5f08148fb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,4deb1ea5f08148fb,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-14 03:08:01 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!wuarchive!udel!princeton!idacrd!mac

From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: SHUTTLE ROBOT QSO REQUIREMENT
Keywords: ROBOT QSO POOR DESIGN
Message-ID: <829@idacrd.UUCP>
Date: 13 Dec 90 18:30:02 GMT
Organization: idacrd, princeton, nj
Lines: 43
Xref: gmdzi rec.ham-radio:17817 rec.ham-radio.packet:3212
Posted: Thu Dec 13 19:30:02 1990

Howdy:

I fear that AMSAT has not been emphatic enough in pointing out what is required for a successful shuttle ROBOT QSO. I disagree with these stringent requirements so don't shout at me (i.e. don't shoot the messenger). Let's say you connected to WA4SIR and you got the UA (your TNC said *** CONNECTED TO WA4SIR) and then you received your QSO number (Hello N4HY you are QSO # 234 . . . etc). You have a QSO and your QSL is in the mail right? _NO_ _WRONG_.

The following procedure is REQUIRED for you to be in the log IN ANY WAY upon its being dumped on the ground.

(1) You send a connect request to WA4SIR (SABM You->WA4SIR)
(2) You receive an ack from WA4SIR (UA WA4SIR->You)
(3) You receive your QSO # from WA4SIR (I WA4SIR->You)

I would have said here you were done and should be in the log but IF AND ONLY IF you have <completed> the next step are you in the log. THERE IS NO REPRIEVE.

(4) YOUR ACK TO THE I FRAME IS HEARD (RR You->WA4SIR)

A small percentage of those with QSO numbers managed step 4 as the crowds went wild after hearing a few get through 1-3. About the only way can you be sure that (4) was completed is that you will receive a QSL card from ARRL.

IMNSHO this was clearly a mistake. On the earlier missions if they heard you on a audio casette you got a card. If I sound down its because I too am in the QRZ and NOT the QSL list after two successful connects. I am urging that this be modified for the Ken Cameron mission. Comments?

73's
Bob N4HY

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
```

From 9018558100731184962
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a96fcc94d63fec1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 03:21:43 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: How do I mount this feedline?
Message-ID: <747.27678C8E@w8grt.fidonet.org>
Date: 13 Dec 90 19:11:14 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 42
Posted: Thu Dec 13 20:11:14 1990

> From: vail@tegra.COM (Johnathan Vail)
> Date: 12 Dec 90 19:14:52 GMT
> Organization: Tegra-Varityper, Inc., Billerica, MA
> Message-ID: <1845@atlas.tegra.COM>
> Newsgroups: rec.ham-radio
>
> In article <8604@lanl.gov> hgm@lanl.gov (Harry McGavran) writes:
>
>
>
>   Does anyone have suggestions for the best ways of mounting
>   ladder-line along the side of a building. In this case,
>   the ladder-line line is really the twin lead type that is nearly
>   and inch wide and has windows cut into it every few inches.
>   Some type of stand-off insulated mounting is what's needed here.
>   Hopefully someone has been through this problem before and
>   will have a clever suggestion or two.

String platic clothesline through the slots and stretch it taut between supports.

> Or how about a good way to bring it into the house. I am thinking of
> drilling two holes right through the wall and using like #12 wire to
> go through the holes. Any better ideas?

Take a low power air rifle (or a pea shooter) and shoot two BB holes the right distance apart in the middle of the nearest window. After fishing the wires through, seal with silicone putty.

```
ZDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD?
3                                                3
3 Vote NO on the rec.ham-radio.* name change!!!! 3
3 Vote NO on rec.ham-radio.legal!!!              3
3 Vote YES on rec.ham-radio.regulatory!!!        3
```

```
3                                                3
@DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDY
```

```
--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org
```

From -1984422872156629786
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db799ded972c31ac
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 03:29:51 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: Major E.H. Armstrong 100th Anniversary Special Event
Message-ID: <830@idacrd.UUCP>
Date: 13 Dec 90 19:00:41 GMT
References: <721@ghp.UUCP>
Organization: idacrd, princeton, nj
Lines: 23
Posted: Thu Dec 13 20:00:41 1990

From article <721@ghp.UUCP>, by jim@ghp.UUCP (Jim Stewart):

> In article <Dec.3.09.43.40.1990.17211@galaxy.rutgers.edu> gubernar@andromeda (John D. Gubernard) writes:
>
>>Major Edwin Howard Armstrong, famed radio pioneer was born on Dec 18, 1890,
>>and fell to his death on Feb 1, 1954.
>
> How did he fall??
>

It is postulated in all the biographies I have read, that as a result of his decision to settle out of court on theft of intelletual property with RCA (whom he claimed stole FM and superhet from him), he became despondent and jumped. The timing of the events does make it appear this is likely.

Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From 1040811645432460211

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,888376c54b074956
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 03:58:34 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!rutgers!bagate!dsinc!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Re: Radar guns... reprise.
Message-ID: <34744@netnews.upenn.edu>
Date: 13 Dec 90 20:10:14 GMT
References: <9012131922.AA15395@ucsd.edu>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 35
Posted: Thu Dec 13 21:10:14 1990

In article <9012131922.AA15395@ucsd.edu> bob%50781.decnet@P2.AMS.WPAFB.AF.MIL ("50781::BOB") writes:
>Ok, so what kinda licence would I need to (legally) operate a radar gun?

K-band radar guns transmit inside the K-band amateur band, so you're legally allowed to transmit there. X-band guns are only slightly higher than the amateur X-band allocation, but you could probably tweak the Gunn oscillator down a bit by varying the voltage a bit and/or retuning the cavity. The question that comes to my mind is whether or not this is one-way communications. I don't know whether or not one-way communications applies to transmitting with the intent of receiving your own signal back. It's two-way communications, only you are both the sender and the receiver, so I *think* it's legal. I'm sure somebody will clarify this...

>In the real world, if the operation were sporadic, would anybody really
>care?

Care? Probably not, unless you were causing inteference.
Find out? Highly doubtful.

You could apply for a radiolocation license. I don't know what the requirements are. I know you can get one if you say that you are going to use it for sports purposes, such as clocking baseball speeds, skiing speeds, or cars at a racetrack or drag strip (as long as it's a legal operation). You may even be able to get a license by saying that you are going to use it for some sort of an academic excercise, such as determing path loss given varying weather conditions or something to that effect.

--- Jeff

--
-=-
Jeff DePolo N3HBZ   Twisted Pair: (215) 386-7199
depolo@eniac.seas.upenn.edu   RF: 146.685- 442.70+ 144.455s (Philadelphia)

University of Pennsylvania   Carrier Pigeon: 420 S. 42nd St. Phila PA 19104

```
From -3247430916674571161
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 04:15:39 PST
Path: gmdzi!unido!mcsun!uunet!midway!ellis.uchicago.edu!pbhx
From: pbhx@ellis.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <1990Dec13.202755.4901@midway.uchicago.edu>
Date: 13 Dec 90 20:27:55 GMT
References: <1990Dec9.231912.8685@midway.uchicago.edu>
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 107
Posted: Thu Dec 13 21:27:55 1990
```

In article <1990Dec9.231912.8685@midway.uchicago.edu> I wrote:

>
>Gawd -- don't you hate rumors! How about this one we picked
>up overnight in Chicago.
>
>On December 13, the FCC will make its long awaited Communicator Class
>announcement. But the shocker will what else they announce on that
>date: that element 1B will no longer be required for General and
>Advanced and that element 1C will no longer be required for Extra.
>Yes, the hot rumor is that the 13 wpm and 20 wpm requirements are dead
>and that one will only need to demonstrate code proficiency at 5 wpm
>for *ANY* amateur license (excluding, of course,the Communicator
>License which will be code free.)
>

Well, thanks to the good graces of Joel Magid (magid@esis.enet.dec.com), we have the following press releases today from the FCC.

Report No. DC-   ACTION IN DOCKET CASE   December 13, 1990

FCC ESTABLISHES NEW CODELESS CLASS OF AMATEUR OPERATOR LICENSE
(PR DOCKET 90-55)

The Commission has revised the examination requirement for the Technician Class operator license, thereby creating a new codeless class of amateur operator license. After these revisions become effective, an examinee will not be required to prove that he or she can send and receive texts in Morse code telegraph signals to qualify for a Technician Class amateur operator license.

The amateur service currently consists of five classes of licenses having increasing privileges and each being progressively more difficult to obtain. The classes are Novice, Technician, General, Advanced, and Amateur Extra.

The FCC noted that offering a codeless class of license that authorizes control operator privileges at stations which transmit exclusively above 30 MHz, provides an entry level opportunity to otherwise qualified persons who find telegraph a barrier to pursuing the purposes of the amateur service.

Therefore, the FCC has established the Technician Class as the codeless class of license. This license includes all amateur privileges above 30 MHz. The Commission also amended the rules to grandfather frequency privileges below 30 MHz to current Technician Class licensees.

In addition, the Commission decided to retain the Novice Class operator license in order to provide an alternate entry level operator license opportunity to persons who desire to pursue the purpose of the amateur service and who can pass a telegraphy requirement in place of the more comprehensive written examination requirement for the codeless Technician Class operator license.

Action by the Commission December 13, 1990, by Report and Order (FCC 90-///). Commissioners Sikes (Chairman),

-FCC-

Report No. DC- ACTION IN DOCKET CASE December 13, 1990

FCC MAKES AMATEUR SERVICE MORE ACCESSIBLE TO HANDICAPPED OPERATORS
(PR DOCKET 90-356)

The Commission has amended its rules to make the amateur service more accessible to amateur operator licensees who, because of severe handicaps, are incapable of passing the higher speed Morse Code telegraph examinations. However, the FCC declined to provide a list of disabilities. Instead, the judgment of a physician will be relied on to establish that a person is severely handicapped and cannot pass a telegraphy examination.

On August, 1, 1990, the FCC proposed exempting from the 13 and 20 words per minute (wpm) telegraphy examinations amateur operator licensees who are incapable of passing those examinations due to severe handicaps. Because of the international requirements, however, no exemptions would be granted from the 5 wpm telegraphy examination.

The rules adopted require a physician's certification and a release permitting disclosure to the FCC of medical information pertaining to the handicap. The Commission said that the term "physician" would be limited to practitioners with full medical privileges, that is, doctors of osteopathy or doctors of medicine.

With respect to whether administering volunteer examiners (VEs) should administer examinations that they had not passed, the Commission said that any VE who is not competent to perform the VE functions should not administer examinations.

Action by the Commission December 13, 1990, by Report and Order (FCC 90-///). Commissioners Sikes (Chairman),

-FCC-

--

Peter B. Hayward   N9IZT
University of Chicago Computing Organizations

From -5472310227597084248
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f91e3535ccb15e2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 04:18:38 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!porthos!cellar.bae.bellcore.com!martin
From: martin@cellar.bae.bellcore.com (Martin Harriss (ACP))
Newsgroups: rec.ham-radio
Subject: No-code announcement
Message-ID: <1990Dec13.212124.17756@porthos.cc.bellcore.com>
Date: 13 Dec 90 21:21:24 GMT
Sender: @porthos.cc.bellcore.com
Reply-To: martin@cellar.bae.bellcore.com (Martin Harriss (ACP))
Organization: Bell Communications Research
Lines: 31
Posted: Thu Dec 13 22:21:24 1990

I just called the FCC to ask about today's rule changes re. no-code. The individual that I spoke to seemed to be hedging his answers to my questions, maybe because they are still working on the exact wording of the public notice.

Anyway, what he told me was this:

1. The code requirement for Tech class has been dropped.

2. Tech class will only have privileges below 30MHz when they pass the morse element.

There will surely be other ramifications to all this that will come out in the public notice.

Since this individual appeared to be rather cagey, I didn't ask about
other morse requirements (handicapped or non-handicapped.)

So what this boils down to is this: still one tech license, two
different sets of privileges.

<editorial mode on>
How will they enforce this? Seems like a mess to me.

Martin Harriss KB2JYZ (now a <30MHz tech!)
martin@cellar.bae.bellcore.com

Disclaimer: This is a breaking ham-radio story, and all the details have
yet to come out. If I have misunderstood something that was told to me,
I apologise. If the FCC told me something wrong, too bad. Watch this
space for details!

From -1056058568971713140
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,37918e1941063022,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 05:47:04 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
CRDEC7.APGEA.ARMY.MIL!wejones
From: wejones@CRDEC7.APGEA.ARMY.MIL (Bill Jones)
Newsgroups: rec.ham-radio
Subject: [Charley Kline: 131510 Satellite_Interpretive]
Message-ID: <9012140847.aa28548@crdec7.apgea.army.mil>
Date: 14 Dec 90 13:47:04 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 61

I picked this up off of another group and thought that the
wefax APT enthusiasts might be interested in these reports.

----- Forwarded message # 1:

Date: Thu, 13 Dec 90 15:10:15 -0600
Reply-To: WX-TALK@VMD.CSO.UIUC.EDU
Sender: WX-STLT Satellite interpretive messages <WX-STLT@UIUCVMD>
From: Charley Kline <kline@GARCON.CSO.UIUC.EDU>
Subject: 131510 Satellite_Interpretive
Message-ID: <9012131618.aa17793@crdec7.apgea.army.mil>

ZCZC DD+ 24342
TBXX9 KWBC 132050
SUBJECT: GOES WEEKLY OPERATIONS PLAN: 17 DEC THRU3 DEC 1990

```
1.  PRIME SPACECRAFT -GOES-7-
 A. VAS OPERATIONS, MODE AAA, WITH MSI AT 01 & 31 MINS PAST
    EACH HOUR WITH THE FOLLOWING COMMENT-S- EXCEPTION-S-:
       1- DWELL-SOUNDING AT 1848Z EACH WEDNESDAY CANCELLED
          FOR VISIBLE CHANNEL CALIBRATION.
       2- MSI AT 1222Z EACH SUNDAY & THURSDAY CANCELLED FOR TORQUE
          MANAGEMENT.
 B.  SEM:  ON; CALIBRATION EACH TUESDAY AT 1809Z.
 C.  WEFAX BROADCASTS: SIMULTANEOUS, SEE OPERATIONAL MESSAGE
     BROADCAST AT 1055Z FOR SCHEDULE.
 D.  DCS:  DCPR.
 E.  VAS CALIBRATION -ON-LINE-:
  1-  VISIBLE CALIBRATION - MSI -800 LINES- AT 1849Z
      EACH WEDNESDAY.
  2-  IR CALIBRATION: AVAILABLE EACH PICTURE.
 F.  MANEUVER:  REOR-E/W STATION-KEEPING 20 DEC.
2.  WEST SPACECRAFT -GOES-6-
 A.  METEOSAT-4 DIGITAL DATA IS BEING RELAYED THROUGH GOES-6
     24 HOURS PER DAY -AS AVAILABLE- - 7 DAYS PER WEEK.
     GVAR TESTING -1405-1700Z-.
 B.  SEM: ON; CALIBRATION EACH MONDAY AT 1939Z.
 C.  WEFAX BROADCASTS:
  1-  NORMAL MODE AT ALL TIMES.
  2-  BROADCAST SCHEDULE IS CONTAINED IN 1055Z TRANSMISSION.
 D.  DCS:  DCPI & DCPR.
 E.  MANEUVER: NONE.
3. STANDBY SPACECRAFT  -GOES-3-
 A.  COMMAND & TELEMETRY OPERATIONS ARE BEING EXECUTED BY KOKEE PARK
     HAWAII NASA STATION AS DIRECTED BY SOCC.
 B.  VHF TRANSMITTER:  ON CONTINOUSLY IN HIGH POWER.
 C.  MANEUVER:  STATION-KEEPING 19 DEC.
4. STANDBY SPACECRAFT -GOES-2-
 A.  RELAY FOR EAST VAS OPERATIONS,MODE AAA,-SEE GOES-7 VAS OPS-.
 B.  WEFAX BROADCASTS: SEE OPERATIONAL MESSAGE BROADCAST AT 1055Z
     FOR SCHEDULE.
 C.  DCS: DCPI.
 D.  T&C SUPPORT AS DIRECTED BY SOCC.
 E.  VHF TRANSMITTER: ON CONTINUOUSLY IN HIGH POWER.
 F.  MANEUVER: NONE.


NNNN

----- End of forwarded messages
```

```
From 4399857786810940802
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6250390c3acd97b8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 05:55:22 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpcc05!hpcuhb!hpda!
hpwala!hpnjld!eyg
```

From: eyg@hpnjld.HP.COM (Ed Gilbert)
Newsgroups: rec.ham-radio
Subject: Re: How do I mount this feedline?
Message-ID: <4140031@hpnjld.HP.COM>
Date: 14 Dec 90 13:55:22 GMT
References: <8604@lanl.gov>
Organization: Hewlett Packard NJD, Rockaway NJ
Lines: 15

>Or how about a good way to bring it into the house. I am thinking of
>drilling two holes right through the wall and using like #12 wire to
>go through the holes. Any better ideas?

Don't put anything lossy (like a wall) between the two conductors. That's where the electromagnetic field is. I use two #12 teflon-jacketed wires, close spaced so that their insulations are touching, to bring open wire feeders into the house through a small hole. Sure it's a bump in the line, the impedance changing from 600 ohms to say 100 ohms, but it really doesn't matter. The whole point of open wire is that the losses are so low that high SWR doesn't matter. The bump created by going from 600 ohms to 100 ohms is probably less than the mismatch between the antenna and the 600 ohm stuff at the feedpoint.

Ed Gilbert, WA2SRQ

From 1053766335168204538
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c46e127e35f3014,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 06:08:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!hsdndev!bu.edu!inmet!benk
From: benk@inmet.inmet.com
Newsgroups: rec.ham-radio
Subject: Re: MAJOR FLARE ALERT & MAGNETIC STORM
Message-ID: <13700022@inmet>
Date: 14 Dec 90 14:08:00 GMT
References: <23800@<901212015546>
Lines: 12
Nf-ID: #R:<901212015546:23800:inmet:13700022:000:324
Nf-From: inmet.inmet.com!benk   Dec 14 09:08:00 1990

It would be very helpful if notices such as the base note were also posted to rec.radio.shortwave. There is no small number of serious SWBC DXers who are *very* much interested in this kind of data.

Thanks.

-- Ben Krepp

From internet: benk@inmet.inmet.com

From uunet: uunet!inmet!benk

From 685711891563847846
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a25681fea84a7d53,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 06:48:50 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!milano!uudell!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: test
Message-ID: <289@bongo.UUCP>
Date: 14 Dec 90 14:48:50 GMT
Reply-To: julian@bongo.info.com (Julian Macassey)
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 4

test
--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@N6YN (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From 3359059630583117714
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5ac17cf9e887b6e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 06:50:51 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!ousrvr!ousrvr!luru
From: luru@stekt.oulu.fi (Ari Husa OH8NUP)
Newsgroups: rec.ham-radio
Subject: Re: reorganize - do it all now [:-)]
Message-ID: <LURU.90Dec13235201@stekt.oulu.fi>
Date: 13 Dec 90 22:52:01 GMT
References: <1990Dec12.221550.13435@ux1.cso.uiuc.edu>
     <1990Dec12.230155.9275@bellcore.bellcore.com>
Sender: news@ousrvr.oulu.fi
Organization: The Buffalo Club
Lines: 16
Posted: Thu Dec 13 23:52:01 1990
In-reply-to: mo@messy.bellcore.com's message of 12 Dec 90 23:01:55 GM

In article <1990Dec12.230155.9275@bellcore.bellcore.com> mo@messy.bellcore.com
(Michael O'Dell) writes:

> If we are going to be patently absurd (as is the proposed reorg)
> then we might as well do a decent job of it.

Although Phil had a good point there, I find it hardly "patently
absurd" to move the bullshit about pizza orders and radar detectors
out of this group somewhere where it can be c)aught up convenientl(y.

Let's GO FOR IT. NOW.

Luru

```
--
     ///
     o-o    Ham Radio Operators Do It In Higher Frequency
      o
```

From 3044093816040979361
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b069dfd2cee136a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 06:58:27 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!voder!wlbr!lonex.radc.af.mil!szarekw
From: szarekw@lonexc.radc.af.mil (William J. Szarek)
Newsgroups: rec.ham-radio
Subject: morse code
Summary: info then {flame fest}
Message-ID: <1990Dec14.145827.14942@lonex.radc.af.mil>
Date: 14 Dec 90 14:58:27 GMT
Sender: szarekw@lonex.radc.af.mil
Followup-To: Henry Spencers un-enlightened ignorant remarks
Organization: RL
Lines: 93
Nntp-Posting-Host: lonexc.radc.af.mil

first an intelligent response to Shailendra Anant Save:

Many of us like code. Sure it is an old way to transmit information but code operators are very polite. Sometimes that can be very refreshing in light of the chaos on 20 and 80 meters. Not all cw nuts are old farts either. I became a ham in May 1990. This was just around field day. I spent 24 hours hammering at the paddles the best I could running the KB2KKH novice station for the WF2L (MOARC/GARC) team. I fell in love with code. I went from novice to extra in the 6 months because I simply loved the code. Simply put people use cw because they enjoy using cw just like people who use other modes use them because they are fun. That is what ham radio is all about F U N (occasionally the technological state-of-the-art is advanced but that is fun too!).

Now so I don't open a can of worms [yet :-)]. Here are my ideas about licencing. If someone is happy with the privliges granted their class of licence then great. Just because some classes have access to more bandwith than others does not make them "better" than other hams. If someone desires privlages that belong to a certain class licence than they should work for the new licence to get the privlages.

Unfortunately some people feel they must get an extra call for reasons of enhancing their self-importance. These are often the same people who belittle other hams who enjoy hamming and have no desire to run high speed code, etc. All an extra ticket does for you is allow you to be a VE, operate in space (funny, if you are an astronaut and a ham they waiver the extra class requirement to let you operate in space but, if you are an extra they won't waiver the astronaut requirement and let you on the shuttle! life is so unfair! ;-), and have access to a kc or so more bandwidth. Half of this added bandwidth is in the cw bands so those of us who like cw can run cw at high speeds. This is not exclusionary on a caste system, high speed cw is very different from slow speed cw and I like to know that there is a place in the bands that I can go to be challenged by good (no lids) operators who run 20+wpm. This is not something special, it is just a small portion of the band set aside for a particular mode. I guess I don't know what all the fuss is about. General class ops have voice privs on all bands so what's the big deal?

IMHO i dont know why advanced and extras have additional portions of the phone bands, i believe they should be open to everybody. (I admit it is nice to have a quiet corner to rag chew though when I do run phone :-}) The cw bands should be left as they are so that depending on your ability, and/or desire you can choose the appropriate portion of the band to operate. It is just as frustrating to a high speed cw op to try to work someone sending slow code as it is for a novice to work some lid who insists on sending 15 wpm cuz he doesn't know how to slow down his keyer!

****
**** WARNING FLAME ON *******
****

Dear Mr. Spencer

Your comments regarding my favorite part of this wonderful hobby were not appreciated. Such slander serves no purpose except to segregate the already dwindling and politically impotent ham radio fraternity (es sorority :-). Frustration of the magnitude desplayed in your 14 Dec 90 posting is quite in error. I will now disembowel your arguements one by one. Try not to read this to fast so you don't misunderstand a single word.

"For conformance with antiquated requlations" This is not a reason why we use code. It is not REQUIRED that we use code so clearly REGULATIONS are not why we USE code.

"Because they're old-fashioned" I am not old fashioned. I am 27 years old, hold a masters degree, run a farm, waterski, surf, hanglide, ride a harley, hunt, fish, hike, bicycle, dance, sing, and party. Clearly not the profile of an OF.

"because they're stranded on a desert island which is well-supplied with analog electronic parts but has no digital parts." Very good old boy, i almost missed your subtle sense of humor. I wasn't sure, for a min., that you knew that phone transmitters need analog parts more than cw transmitters do. QRP CW rigs can be made that use a nand gate as the final amp! cant do that with phone. Hmmmm, cant do that with packet, need analog there too . . . even funnier still good show!

"Morse is basically obsolete, since digital modulation techniques are far superior at punching clean signals trough noise" Sorry, here you are simply wrong. I suppose you could argue speed but not punching through. I have never seen a qrp (really qrp not 5 watts) rig that could successfully punch through a paper bag using "digital modulation techniques". However I do recall a QST article featuring a guy who got WAS on a qrp rig that used a nand gate for the final (i think it was something like .1mW output). No insult intended.

****
******* flame off ******
****

Sorry if this wasn't much of a "flame" but like I said CW ops are very polite.

--... ...-- . ... -.-. ..- .-.. -.. . .-- -- .---- .-- ...-.-
-buzz

From 8594587012733339770
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b069dfd2cee136a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 07:02:04 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: morse code
Message-ID: <749.2768BAB8@w8grt.fidonet.org>
Date: 14 Dec 90 15:02:04 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 14

In article <1990Dec12.231058.23895@engin.umich.edu> ssave@caen.engin.umich.edu (Shailendra Anant Save) writes:

> Say, why do people use morse nowadays anyway?

It's fun. There's no particular PRACTICAL reason any more other than it's VERY economical. Try it; you might like it. If not, then you at least learned a little about communications history. In any event, thank heavens it's finally a question of personal preference.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -9195863094623663875
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 07:03:20 PST
Path: gmdzi!unido!mcsun!uunet!know!sdd.hp.com!ucsd!pacbell.com!ames!sun-barr!

newstop!sun!amdcad!mozart.amd.com!reed
From: reed@mozart.amd.com (David F. Reed)
Newsgroups: rec.ham-radio
Subject: Re: morse code
Message-ID: <1990Dec14.150320.2372@mozart.amd.com>
Date: 14 Dec 90 15:03:20 GMT
References: <1990Dec13.131349.13148@cbnewsj.att.com> <39036@nigel.ee.udel.edu>
Organization: Advanced Micro Devices, Inc.
Lines: 45

In article <39036@nigel.ee.udel.edu> masters@freezer.it.udel.edu (paul masters) writes:

>In article <1990Dec13.131349.13148@cbnewsj.att.com> k2ph@cbnewsj.att.com (The QRPer) writes:
>>> Say, why do people use morse nowadays anyway?
>>>
>>>   --Shailendra
>---
>
>It's good for the soul.
>
>   Paul

well Paul, I will not enter the debate on souls, but, to add a little
to what you have said (I hope)...

and maybe add to the effort to answer Shailendra's question...

1) its fun
2) it is far easier to construct a transmitter for cw than afsk or ssb
   and sonewhat easier than fsk... cheaper too...

3) more people homebrew low power rigs to play with that are cw
4) because of the Q codes, and no accent, it is easy to have a basic
   no frills contact containing such info as call signs, names, locations,
   signal strength, greetings, etc. without knowing each other's language.

   of course, that could be done with Q codes on rtty, but it takes a larger
   amount of money.

Being an old fart, when I got started (pre ssb days) cw was a way for me
to be able to afford a rig I could build, and I guess the majic of communications with someone far away was a big thrill, that maybe the tones of cw
added to the mystique of it...

with the new rule that was announced yesterday, I guess the NEED has dropped
for VHF and up...

cheers
DFR

--

"...just my opinion, not speaking for AMD." KK5D, 7J1AGO, XE1ZDR
David F. Reed   4512 Clarno   Austin TX 78749
packet: KK5D@KB5PM   driving by? try 442.150 repeater

From 6200078314233847319
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab9b2fbff550298e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 07:05:08 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: What about those of us in the half-way house?
Message-ID: <750.2768BABE@w8grt.fidonet.org>
Date: 14 Dec 90 15:05:08 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 15

> From: kipper@ccwf.cc.utexas.edu (Kip Ingram)
> Date: 14 Dec 90 04:10:51 GMT
> Organization: The University of Texas at Austin
> Message-ID: <41377@ut-emx.uucp>
> Newsgroups: rec.ham-radio
>
> Somebody please tell me that I will indeed get to operate on HF.

You will indeed get to operate on HF.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 7738357423207770453
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,5dd2f14b9ce66a7c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-14 07:07:37 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sun-barr!newstop!sun!amdcad!
mozart.amd.com!reed
From: reed@mozart.amd.com (David F. Reed)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: morse code
Message-ID: <1990Dec14.150737.2609@mozart.amd.com>
Date: 14 Dec 90 15:07:37 GMT
References: <1990Dec12.231058.23895@engin.umich.edu>
<1990Dec14.012315.7858@zoo.toronto.edu>

Organization: Advanced Micro Devices, Inc.
Lines: 25
Xref: gmdzi sci.electronics:10193 rec.ham-radio:17872

In article <1990Dec14.012315.7858@zoo.toronto.edu> henry@zoo.toronto.edu (Henry Spencer) writes:
>In article <1990Dec12.231058.23895@engin.umich.edu> ssave@caen.engin.umich.edu (Shailendra Anant Save) writes:
>> Say, why do people use morse nowadays anyway?
>
>For conformance with antiquated regulations, because they're old-fashioned,
>or because they're stranded on a desert island which is well-supplied with
>analog electronic parts but has no digital parts. Morse is basically
>obsolete, since digital modulation techniques are far superior at punching
>clean signals through noise.

Silly me, Henry, all this time of being an old fart, I thought cw was the first digital (on and off, modulated by keying) modulation technique... and as far as punching signals through the noise, you will find it hard to beat (without the military budget) that active filter most humans have between the ears, occupying the cranial cavity.

hmmm, where did I go wrong all those years???

cheers!

--
____
"...just my opinion, not speaking for AMD." KK5D, 7J1AGO, XE1ZDR
David F. Reed   4512 Clarno   Austin TX 78749
packet: KK5D@KB5PM   driving by? try 442.150 repeater

From -7048451988408217739
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 07:08:20 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: morse code
Message-ID: <751.2768BAC4@w8grt.fidonet.org>
Date: 14 Dec 90 15:08:20 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 27

 > From: henry@zoo.toronto.edu (Henry Spencer)
 > Date: 14 Dec 90 01:23:15 GMT
 > Organization: U of Toronto Zoology
 > Message-ID: <1990Dec14.012315.7858@zoo.toronto.edu>
 > Newsgroups: sci.electronics,rec.ham-radio

```
 >
 > In article <1990Dec12.231058.23895@engin.umich.edu>
 > ssave@caen.engin.umich.edu (Shailendra Anant Save) writes:
 > >  Say, why do people use morse nowadays anyway?
 >
 > For conformance with antiquated regulations, because they're old-
 > fashioned,
 > or because they're stranded on a desert island which is well-supplied
 > with
 > analog electronic parts but has no digital parts.  Morse is basically
 > obsolete, since digital modulation techniques are far superior at
 > punching
 > clean signals through noise.

At a much higher cost. It will be a looooong time before CW stops being the
best bang for the buck.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org


From -1439562792484152823
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 07:18:41 PST
Path: gmdzi!unido!mcsun!uunet!olivea!mintaka!think.com!samsung!sdd.hp.com!
wuarchive!udel!masters
From: masters@freezer.it.udel.edu (paul masters)
Newsgroups: rec.ham-radio
Subject: Re: morse code
Message-ID: <39036@nigel.ee.udel.edu>
Date: 14 Dec 90 01:18:39 GMT
References: <1990Dec13.131349.13148@cbnewsj.att.com>
Sender: usenet@ee.udel.edu
Organization: University of Delaware -- ACIT Sun Lab
Lines: 17
Posted: Fri Dec 14 02:18:39 1990
Nntp-Posting-Host: toffee.it.udel.edu

In article <1990Dec13.131349.13148@cbnewsj.att.com> k2ph@cbnewsj.att.com (The
QRPer) writes:
>>  Say, why do people use morse nowadays anyway?
>>
>>                                            --Shailendra
----------------------------------------------------------

It's good for the soul.

              Paul
```

--
I will not waste chalk..I will not skateboard down the halls..I will not
burp in class..I will not instigate revolution..I will not draw naked ladies
.....I will not program brahms.udel.edu to murder itself....
      Paul Masters N3IRU (The ham license arived 12/04/90)

From -4872352026490508742
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,5dd2f14b9ce66a7c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-14 07:26:59 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!val!ben
From: ben@val.com (Ben Thornton)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: morse code
Message-ID: <1990Dec14.152659.8250@val.com>
Date: 14 Dec 90 15:26:59 GMT
References: <1990Dec12.231058.23895@engin.umich.edu>
<1990Dec14.012315.7858@zoo.toronto.edu>
Organization: Video Associates Labs
Lines: 35
Xref: gmdzi sci.electronics:10194 rec.ham-radio:17874
Posted: Fri Dec 14 09:26:59 1990

henry@zoo.toronto.edu (Henry Spencer) writes:

>In article <1990Dec12.231058.23895@engin.umich.edu> ssave@caen.engin.umich.edu
(Shailendra Anant Save) writes:
>> Say, why do people use morse nowadays anyway?

>For conformance with antiquated regulations, because they're old-fashioned,
>or because they're stranded on a desert island which is well-supplied with
>analog electronic parts but has no digital parts. Morse is basically
>obsolete, since digital modulation techniques are far superior at punching
>clean signals through noise.

Hold the phone (pun???).

I thought that CW *is* a digital mode.

BNF:
<tone> := true;
<silence> := false;

Now, some digital modes are certainly superior to others, and some are
more suited for usage in high-noise (QRM) radio circuits than others.
Let's not confuse the issue by branding CW as an *ANALOG* mode, especially
since most digital modes in use today on UHF and below are merely digitally

modulated analog signals, like CW.

If you are branding morse as obsolete because of the modulation techniques
then HF packet, AMTOR, and RTTY are also obsolete.

Ben

```
--
Ben Thornton             packet:  WD5HLS @ KB5PM
Video Associates       Internet:  ben@val.com
Austin, TX                 uucp:  ...!cs.utexas.edu!val!ben
Did Schrodinger exist? ...or was that in another universe?
```

From 5638265554756460698
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4deb1ea5f08148fb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,4deb1ea5f08148fb
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-14 07:42:05 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!hrc!alpine!pfluegerm
From: pfluegerm@alpine.UUCP (Mike Pflueger)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: SHUTTLE ROBOT QSO REQUIREMENT
Summary: Yes!
Keywords: ROBOT QSO POOR DESIGN
Message-ID: <4e97da9c.14891@alpine.UUCP>
Date: 14 Dec 90 15:42:05 GMT
References: <829@idacrd.UUCP>
Organization: AG Communication Systems - Phoenix, AZ
Lines: 37
Xref: gmdzi rec.ham-radio:17880 rec.ham-radio.packet:3224

In article <829@idacrd.UUCP>, mac@idacrd.UUCP (Robert McGwier) writes:
>

[stuff deleted about not having a valid QSO until you ACK the I frame
carrying your QSO #]

> IMNSHO this was clearly a mistake. On the earlier missions if they
> heard you on a audio casette you got a card. If I sound down
> its because I too am in the QRZ and NOT the QSL list after two
> successful connects. I am urging that this be modified for the
> Ken Cameron mission. Comments?
>
> 73's
> Bob N4HY

Yes! I agree wholeheartedly. The SABM/UA and receipt of the I frame
with your QSO # should be enough.

I too connected, got a QSO number, but suspect my ack wasn't received.
This was on the second to last orbit, so I never saw a QSL list.
It was a real rush to see "CONNECTED TO WA4SIR".

I'll go one step further - with all the stations trying, why not save the QRZ list and QSL *BOTH* the heard stations and the completed QSO stations - with an indication on the QSL card whether you were just heard or completed a QSO.

Oh maybe one more thing - how about an external antenna on that robot arm or something? :-) I missed a lot of should-have-been-great passes apparently because of shuttle/antenna orientation.

```
--
Mike Pflueger @ AG Communication Systems (formerly GTE Comm. Sys.), Phoenix, AZ
  UUCP: {...!ames!ncar!noao!asuvax | uunet!hrc | att}!gtephx!pfluegerm
  Work: 602-582-7049        FAX: 602-582-7624     Home: 602-439-1978
Packet: WD8KPZ @ W1FJI     Internet: PLEASE USE UUCP PATH (NOT INTERNET)!
```

```
From 5914230744282450453
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,5dd2f14b9ce66a7c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-14 07:44:33 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!news-server.csri.toronto.edu!utzoo!
henry
From: henry@zoo.toronto.edu (Henry Spencer)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: morse code
Message-ID: <1990Dec14.012315.7858@zoo.toronto.edu>
Date: 14 Dec 90 01:23:15 GMT
References: <1990Dec12.231058.23895@engin.umich.edu>
Organization: U of Toronto Zoology
Lines: 11
Xref: gmdzi rec.ham-radio:17834
Posted: Fri Dec 14 02:23:15 1990
```

In article <1990Dec12.231058.23895@engin.umich.edu> ssave@caen.engin.umich.edu (Shailendra Anant Save) writes:
> Say, why do people use morse nowadays anyway?

For conformance with antiquated regulations, because they're old-fashioned, or because they're stranded on a desert island which is well-supplied with analog electronic parts but has no digital parts. Morse is basically obsolete, since digital modulation techniques are far superior at punching clean signals through noise.

```
--
"The average pointer, statistically,    |Henry Spencer at U of Toronto Zoology
points somewhere in X." -Hugh Redelmeier| henry@zoo.toronto.edu   utzoo!henry
```

From 8647921152162849811
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a0340e29e2ecb5c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 07:52:06 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: FCC ACTS ON CODELESS LICENSE
Message-ID: <748.2767FFE5@w8grt.fidonet.org>
Date: 14 Dec 90 03:04:06 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 20
Posted: Fri Dec 14 04:04:06 1990

> From: jbloom@uhasun.hartford.edu (Jon Bloom)
> Date: 13 Dec 90 19:28:37 GMT
> Organization: The University of Hartford
> Message-ID: <409@ultrix.uhasun.hartford.edu>
> Newsgroups: rec.ham-radio
>
>
> December 13, 1990
>
> FCC ESTABLISHES NEW CODELESS CLASS OF AMATEUR OPERATOR LICENSE
> (PR DOCKET 90-55)

I take back part of what I have said about them in the past. Sometimes the FCC does indeed do something right!!!

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 5054076152742909372
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5c7f70ec12eeea7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 08:17:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!nddsun1!darla!waters
From: waters@darla.sps.mot.com (Strawberry Jammer)
Newsgroups: rec.ham-radio
Subject: Re: UK-->US ham license
Message-ID: <202@nddsun1.sps.mot.com>
Date: 14 Dec 90 16:17:00 GMT
References: <34435@netnews.upenn.edu> <12280030@hpspdra.HP.COM>
<1990Dec13.162450.16530@porthos.cc.bellcore.com>
Sender: root@nddsun1.sps.mot.com
Reply-To: waters@darla.sps.mot.com (Strawberry Jammer)

Organization: Hacker's haven
Lines: 41
Posted: Fri Dec 14 10:17:00 1990

In article <1990Dec13.162450.16530@porthos.cc.bellcore.com} martin@cellar.UUCP
(Martin Harriss (ACP)) writes:
}In article <12280030@hpspdra.HP.COM> henryb@hpspdra.HP.COM (Henry Black) writes:
}>lewis@pender.ee.upenn.edu (Niclas H. Lewis) writes:
}>>I was wondering what procedures one has to go through to obtain a
}>>US amateur radio license. I currently have a class A license (GW4WFX) in
}>   ^^^^^^^
}>   Make that class A licence if it's British.
}>>Britain but will be in the US for a number of years where I am at grad.
}>>school. Can I just get a reciprocal license or do I have to subject myself
}>>to some other procedure.......??????
}
}>Just get form 610A
}>from the FCC and return it with a copy of your licence. They send you
}>your permit in a couple of weeks (much faster than getting a US license).
}
}I would like to add to this. Since UK licences are renewed every year,
}and a fee is paid, the FCC needs proof that your ticket is current.
}When I first looked into this, about 10 years ago, I was told that I
}would have to send the receipt for the fee I paid for the UK licence
}along with the form 610A. It used to be that you only got a renewal
}receipt if you specifically asked for it at the time of renewal.
}
}In the end I found it so easy to get a US license that I just went ahead
}and did it.
}
I ran into the same thing with a Canadian licence many years ago. THe
Canadian DOC would not accept payment before Jan 1 for a renewal starting
April 1, usually I would get the renewal back in March and be off the air
from April 1 through early May when my new permit would come through.

With Canada the reciprocal permit is automatic now, but I suspect that you
could well end up with much the same situation.

BTW the reciprocal permit is NOT intented for a permanent resident even
though the FCC normally won't bother with this. If you change your visa to
"permanent resident" then you SHOULD get a U.S. license!

Mike AA4MW ex VE3BYO
       *Mike Waters   AA4MW/7 waters@dover.sps.mot.com *

 ** If guns are outlawed, how will conservatives win arguments? **

From 1507588071564642697
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ff4aeabfffa5f79,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 08:19:28 PST

Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!
julius.cs.uiuc.edu!apple!agate!shelby!unix!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: FCC decision on no-code license
Message-ID: <7880385@hpfcdc.HP.COM>
Date: 14 Dec 90 16:19:28 GMT
Organization: HP Fort Collins, Co.
Lines: 18

By the time you see this you'll undoubtedly have seen the text of the
FCC news release...

I can see the bumper stickers now...

* Full Techs Do It with Lower Frequency

* Not Safe at Any Frequency

* Have CSCE, Will QRM (World Wide)

* Technical Grandfather

* Welcome to VHF, Now Go Learn Morse Code

* Codeless Wonder

* It's 10MHz, Do You Know Morse Code?

From -2839564575636078002
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,5dd2f14b9ce66a7c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-14 08:23:50 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!ccwf.cc.utexas.edu
From: kipper@ccwf.cc.utexas.edu (Kip Ingram)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Herb et. al.
Message-ID: <41397@ut-emx.uucp>
Date: 14 Dec 90 16:23:50 GMT
References: <1990Dec12.231058.23895@engin.umich.edu>
<1990Dec14.012315.7858@zoo.toronto.edu> <1990Dec14.150737.2609@mozart.amd.com>
Sender: news@ut-emx.uucp
Reply-To: kipper@ccwf.cc.utexas.edu (Kip Ingram)
Followup-To: sci.electronics
Organization: The University of Texas at Austin
Lines: 25
Xref: gmdzi sci.electronics:10196 rec.ham-radio:17876

I almost hate to ask about this, but would someone please e-mail me a rundown of the "Herbie" situation? I listened in yesterday on 14.313. I heard Herb loud and clear; he seems to have a magnificent station. However, what I heard was a rational, reasonable man trying to enjoying chatting with other hams. He and his buddies were polite about letting other people join in.

What I also heard was hundreds of absolute jerks trying to shut Herb down via massive QRM (a violation of FCC regulations). Some of them were singing (which is also a violation of the regs). Many used foul language (yet another violation of the regs).

Then I tuned up a few kHz and heard an equally rational and reasonable sounding gentleman telling someone else that Herb had long since worn out his welcome. Unfortunately, he didn't elaborate enough for me to figure the situation out.

Please, I'm terribly curious. Obviously there are a lot of hams out there that ABSOLUTELY DESPISE Herb. I heard them myself. What is Herb supposed to have done to P.O. these people so much? I didn't hear anything bad. I don't understand why the people that don't like to listen to him can't just tune over to another frequency. After all, there's plenty of room for all of us. I thought we worried about not having enough hams, right?

Any elucidation will be greatly appreciated.

Kip Ingram

From -1548779109488229341
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,640ca4fa992f612c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,640ca4fa992f612c,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-14 08:27:06 PST
Path: gmdzi!unido!mcsun!uunet!olivea!samsung!emory!hubcap!bjb
From: bjb@hubcap.clemson.edu (BJ Backitis)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: ARES/Data availability
Message-ID: <12269@hubcap.clemson.edu>
Date: 14 Dec 90 16:27:06 GMT
Organization: Clemson University, Clemson, SC
Lines: 26
Xref: gmdzi rec.ham-radio:17875 rec.ham-radio.packet:3223

In the book "Your Gateway to Packet Radio", in a chapter discussing the use of packet radio for public service communications and emergency communications in particular, it mentions a piece of software called ARES/Data. The Clemson University ARC is interested in utilizing packet radio for emergency and public-service work, which is what the software is designed for.

According to the book, it states that it (ARES/Data) is copyrighted but public domain and available without charge. Is it available from an

FTP site, by any chance?? Are there any other sources for the software that anyone knows?

Also, it book mentions that to use the ARES/Data program, you need the TNC to have the WA8DED firmware installed. Where is THIS available from? (I can burn the EEPROM, if I can get the code, or is it not public domain?).

Thanks for the help!!

(BTW, this section of the book mentions a familiar name to readers of these groups... N6BIS, Patty Winter! Okay, Patty... help!!!!!)

73 de BJ, KM4RB

From -5817052052951043519
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7b579cb5c67f472c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 08:39:22 PST
Path: gmdzi!unido!mcsun!uunet!sbi!zeus!pivot-nj!canada!jerrys
From: jerrys@canada.sbi.com (Jerry Simonowits)
Newsgroups: rec.ham-radio
Subject: new technician class
Message-ID: <116@canada.sbi.com>
Date: 14 Dec 90 16:39:22 GMT
Organization: Salomon Brothers - NJ
Lines: 19

Well, I too agree that the fcc has finally come up with an elegant solution. Of course, I think there may be some problems to work out. For instance, in the call book will their be any kind of designator indicating technician prior to no-code vs. after no-code ?

And, if we are supposed to be self policing, and I hear a technician talking on 10 meters, how do I know if he is legal or not ???

Well, it's a done deal, all we can do know is try to work it into our hobby as best we can.

Jerry Simonowits
Salomon Technology Services, Inc.
Internetworking & Support Group
Phone: 201-896-7330
Email: jerrys@canada.sbi.com
(KB2GCG)

From -1406720583650093113
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae048f33ca952844
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 08:47:46 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!hsdndev!husc6!unix!snmp.sri.com!larson
From: larson@snmp.sri.com (Alan Larson)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <19152@unix.SRI.COM>
Date: 14 Dec 90 03:19:37 GMT
References: <742.276762D0@w8grt.fidonet.org>
Sender: news@unix.SRI.COM
Organization: SRI International, Menlo Park
Lines: 15
Posted: Fri Dec 14 04:19:37 1990

In article <742.276762D0@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

>It should be totally obvious by now that this is a failure. The code test has
>NOT prevented 80 and 20 from becoming like CB. Indeed, on the basis of what
>happens on the air these days and on the basis of the truly bizarre statements
>by code testing advocates, I have come to the conclusion the learning Morse
>code produces brain damage. The more highly proficient one becomes, the more
>unmistakeably deranged the behavior he exhibits.

Well, you still don't like it. Perhaps if you tried 20 meters in the section between 14.0 and 14.1 MHz, you might find otherwise.

But then again, you are too busy flaming.

Alan

From -1926834574309930948
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 08:53:31 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: morse code
Message-ID: <1990Dec14.165331.2673@athena.cs.uga.edu>
Date: 14 Dec 90 16:53:31 GMT
References: <1990Dec12.231058.23895@engin.umich.edu> <1990Dec14.012315.7858@zoo.toronto.edu> <1990Dec14.084634.26138@yenta.alb.nm.us>
Organization: University of Georgia, Athens
Lines: 8

> man on a boat who had a CB whose microphone didn't work; used CW for

> distress call

Did that *really* happen or was it a fictionalized account of what *might* happen? I thought it was the latter.

What are the odds of a microphone element failing while the push-to-talk button stays in working order?

From -3258588673855581372
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c81b36788097919
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 08:54:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: Question about 28.650MHz
Message-ID: <7500063@hpfcso.HP.COM>
Date: 14 Dec 90 01:20:27 GMT
References: <32151.27672276@stjhmc.fidonet.org>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 32
Posted: Fri Dec 14 02:20:27 1990

> / hpfcso:rec.ham-radio / BorLong.Lin@f4.n722.z6.fidonet.org (BorLong Lin) / 11:39 pm Dec 12, 1990 /
> In a message of <Dec 11 12:20> grx0644@uoft02.utoledo.edu (1:114/15@fidonet)
> writes:
>
> g)I saw a post on another system in Cleveland that said that all Shuttle
> g)Missions
> g)are broadcast on 28.650MHz and can be heard world wide?? is that true?
>
> Here, I've noted, a big signal on 28.635MHz FM,
> over 9+60db,
> but, I hear nothing on this frequency.
> I don't know the reasons why.
> As on 28.650MHz, nothing specifically.
>
> 73 de BV5AF
>
>
> --
> Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!6!722!4!BorLong.Lin
> Internet: BorLong.Lin@f4.n722.z6.fidonet.org
> ----------

Do you have a computer nearby? A past issue of 73 magazine discussed building a QRP transmitter from a standard dip oscillator running at 28.636 Mhz. I believe that it's a fairly common component in some computers these days.

It was the first article I've seen where they applied the oscillator directly to a direct conversion circuit yet used a potentiometer on the output as the hundreds of milliwatts was too high an output.

Bill - WA7NWP

From 5480200579011044148
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6250390c3acd97b8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 08:58:51 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: How do I mount this feedline?
Message-ID: <1250301@hpnmdla.HP.COM>
Date: 13 Dec 90 20:27:04 GMT
References: <8604@lanl.gov>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 22
Posted: Thu Dec 13 21:27:04 1990

In rec.ham-radio, vail@tegra.COM (Johnathan Vail) writes:

>In article <8604@lanl.gov> hgm@lanl.gov (Harry McGavran) writes:

>   Does anyone have suggestions for the best ways of mounting
>   ladder-line along the side of a building. In this case,
>   the ladder-line line is really the twin lead type that is nearly
>   and inch wide and has windows cut into it every few inches...

>Or how about a good way to bring it into the house. I am thinking of
>drilling two holes right through the wall and using like #12 wire to
>go through the holes. Any better ideas?

I bet you could modify some TV twin-lead standoffs to work with the ladder line.

To bring it into the house without drilling holes, use two peices of coax braid flattened into a strip. Insulate them with electrical tape or whatever and run them between the sill and (casement) window. You should then be able to shut and lock the window without damage.

AL N1AL

From -8207595991353949305
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a0340e29e2ecb5c
X-Google-Attributes: gid10c9e3,public

```
X-Google-ArrivalTime: 1990-12-14 09:05:31 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: FCC ACTS ON CODELESS LICENSE
Message-ID: <752.2768C28E@w8grt.fidonet.org>
Date: 14 Dec 90 17:05:31 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 30


 > From: mcovingt@athena.cs.uga.edu ( Michael A. Covington)
 > Date: 14 Dec 90 06:35:33 GMT
 > Organization: University of Georgia, Athens
 > Message-ID: <1990Dec14.063533.27834@athena.cs.uga.edu>
 > Newsgroups: rec.ham-radio
 >
 > In article <748.2767FFE5@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org
 > (Jim Grubs) writes:
 > >
 > > >                        December 13, 1990
 > > >
 > > >  FCC ESTABLISHES NEW CODELESS CLASS OF AMATEUR OPERATOR LICENSE
 > > >                        (PR DOCKET 90-55)
 > >
 > >I take back part of what I have said about them in the past. Sometimes the
 > FCC
 > >does indeed do something right!!!
 > >
 >
 > Yes, the _simplicity_ and elegance of the way they did it is quite
 > atypical of bureaucracy, isn't it!

Yes. Why do I get this kleine Spannung that this is what they had in mind
from the beginning?

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org


From 3207371221066796564
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f91e3535ccb15e2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 09:09:15 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: No-code announcement
Message-ID: <753.2768C293@w8grt.fidonet.org>
Date: 14 Dec 90 17:09:15 GMT
```

Organization: QRV de W8GRT, Sylvania, OH
Lines: 23

> From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
> Date: 14 Dec 90 07:27:17 GMT
> Organization: University of Illinois at Urbana
> Message-ID: <1990Dec14.072717.22068@ux1.cso.uiuc.edu>
> Newsgroups: rec.ham-radio
>
> martin@cellar.bae.bellcore.com (Martin Harriss (ACP)) writes:
>
> ><editorial mode on>
> >How will they enforce this? Seems like a mess to me.
>
> How many people would NOT try for the CW test and
> go ahead and operate CW illegally?

Am I the only one who finds this concern to be amusing? The thought of the
anti-no-code group ganging up on people using CW without a test strikes me as
something out of Monty Python.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -2774962035220076526
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,5dd2f14b9ce66a7c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-14 09:14:47 PST
Path: gmdzi!unido!mcsun!uunet!know!news.cs.indiana.edu!cs.widener.edu!
netnews.upenn.edu!dsl.cis.upenn.edu!touch
From: touch@dsl.cis.upenn.edu (Joe Touch)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: morse code
Message-ID: <34784@netnews.upenn.edu>
Date: 14 Dec 90 17:14:47 GMT
References: <1990Dec12.231058.23895@engin.umich.edu>
<1990Dec14.012315.7858@zoo.toronto.edu> <1990Dec14.152659.8250@val.com>
Sender: news@netnews.upenn.edu
Reply-To: touch@dsl.cis.upenn.edu (Joe Touch)
Organization: University of Pennsylvania
Lines: 31
Xref: gmdzi sci.electronics:10197 rec.ham-radio:17886

In article <1990Dec14.152659.8250@val.com> ben@val.com (Ben Thornton) writes:
>henry@zoo.toronto.edu (Henry Spencer) writes:
>I thought that CW *is* a digital mode.

>
>BNF:
><tone> := true;
><silence> := false;
>

Depends on what you call digital. Actually, time is part of the
BNF (dot = 3 * dash, etc). Time is also quantized, so it is digital
in the true sense, just NOT binary. The BNF would be:

```
dot := tone-for-dot-interval
no-dot := silence-for-dot-interval
dash := dot dot dot
intra-letter-space := no-dot
no-dash := no-dot no-dot no-dot
inter-letter-space := no-dash
? inter-wordspace := no-dash no-dash no-dash
```

I'm sure the space between dots and dashes is one dot time, and
the spaces between letters is one dash, and three dot times are
one dash time. I'm not sure about the space between words, or
if there even is one defined (I think you may just parse the
letter stream into words by context alone).

Joe Touch
PhD Candidate
Dept of Computer and Information Science
Univ of Pennsylvania

From 8502054301528602456
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49417b20e4629d52
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 09:26:46 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!mit-eddie!bloom-beacon!deccrl!
news.crl.dec.com!decvax.dec.com!zinn!ubbs-nh!wa1omm!paul
From: paul@wa1omm.UUCP (Paul MacDonald)
Newsgroups: rec.ham-radio
Subject: Re: Anybody in New England confirm sarex or voice qso ?
Message-ID: <paul.4982@wa1omm.UUCP>
Date: 14 Dec 90 17:26:46 GMT
References: <2122@shodha.enet.dec.com>
Lines: 34

>In article <2122@shodha.enet.dec.com> b_egan@levers.enet.dec.com (Bob Egan)
writes:
>
>Except for possibly 1 evening, around 2am, I do not remember the
>shuttle get much above 6 degrees elevation in N.E.
>
>I think ? I heard voice during one fo the Saturday night passes..(I
>was at a party...1/2 listing to a scanner :)...but

>did not copy anything voice or otherwise substantial w/ R7000 and
>22 elements pointed on several passess.
>
>I did hear *several* voice and "paketteers" transmitting on
>the primary group 1 up-link freq.'s..
>
>
>Sooooo..is New ENgland got anybody "offical" ... ??
>

Nope .. and I was plowing 250 watts into a 22 element beam.

I did work MIR though!!
--

```
                               /\  /\
                              //\\//\\
            +---------^^^^-----------------^^^^---------+
            | From the shack of WA1OMM -- Paul MacDonald |
            | Using the power of the multitasking Amiga! |
            |                                            |
            | Compuserve: 70411,626   PLink:  UPPERCRUST |
            | Amateur Packet Radio:   WA1OMM@KB4N.NH.USA |
            | Usenet:      ...virgin!ubbs-nh!wa1omm!paul |
            +--------------------------------------------+
                 /\ / /\  (~  / / / / /\      /\ / / /
                /  V /~~\ _) /~/ /_/ /~~\ ,  /  V /~/
```

From -7052630717135899241
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c4a8cd3b0a24972
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 09:37:51 PST
Path: gmdzi!unido!mcsun!uunet!olivea!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpl-opus!hpspdra!henryb
From: henryb@hpspdra.HP.COM (Henry Black)
Newsgroups: rec.ham-radio
Subject: Re: Powerline voltage too high, power co working on it
Message-ID: <12280032@hpspdra.HP.COM>
Date: 14 Dec 90 17:37:51 GMT
References: <114172@philabs.Philips.Com>
Organization: HP Stanford Park - Palo Alto, CA
Lines: 74

In article <13434@encore.Encore.COM> jcallen@encore.Com (Jerry Callen) writes:
>In article <9780@fy.sei.cmu.edu> rsd@sei.cmu.edu (Richard S D'Ippolito) writes:
>>The typical electric utility tariff (what the utility must provide under its
>>contract with your state government) calls for 120v +/- 5% at your meter, or
>>114-126 volts. You can't really complain about 126 volts. Also, a 'good'
>>digital (or analog) meter will not necessarily give an accurate reading, as
>>most of them are average-responding, rms-reading, because if there are a lot

>>of solid-state power controls on your feeder, the AC waveform can get fairly
>>chopped up.
>Then what IS the basis for the 120V +/- 5% if not rms? Seems like the only
>fairly repeatable reading would be peak to peak...
And In article <637@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>Hmmmm...could this be why my lightbulbs last such a short time?
>I just measured my voltage, and on one leg I have 121.9v,
>and thesc.UUCP>other 123.6v. Is anything over 120VAC too high?
>Should it ONLY be 110 to 120 VAC?

In a previous life I worked for a company that made electronic instrumentation for utility companies and became aware of a number of apparent anomalies in the way power companies treat measurements. In general there are good historic reasons if you dig deep enough, and one reason utility companies resist a move to more electronic instrumentation is that it tends to give measurements more "scientifically correct" but not of "the traditional form". No-one likes discrepancies, least of all people spending money (especially other people's money).

Well, first off domestic tariff electricity service in the US is nearly always based on a nominal 120volt supply. The most common service is so-called "110/220volt three wire" service (really 120-0-120 nominal). There are exceptions, the most famous (?) being Con-Ed's so-called 110/208volt network service which is the norm in New York City.

There are no universal standards on voltage tolerance and regulation, prior to the Mid-1970s it was common for whole towns to be run on substantial excess voltage so that a couple of far out ranches would not have too low a voltage at their end of the line.   Marginally tapped transformers were one of the most successful approaches to better tolerance but the motivation was conservation. Before the energy crises utility companies had little incentive to conserve energy. Higher voltage meant more power sold, more power sold meant more fiscal turnover and more turnover meant more profit since the rate of return on capital was fixed by the PUC.   In the modern age where it is just about impossible to build (let alone profitably build) a new power station, they have a large incentive to match demand to (limited) capacity. (Anyone care to speculate what's going to happen when the US runs out of sufficient generating capacity - as it certainly will ?)

There are other oddities, for example traditional induction disk power meters (like you probably have on your home), have a tendency to creep, i.e. record finite but small power when the voltage is present but the delivered current is zero. Although negligible in the grand scheme of things this fault would be very noticeable so to overcome it the induction disks are made with a smallish hole in the disk to prevent creep. A consequence of the anti-creep hole is that a finite starting torque is needed to get the meter started (typically equivalent to 15watts of power).   Another anomaly is the limited harmonic response of the induction disk meter, this tends to make harmonic rich loads (notable fluorescent lights) appear to consume less power than they actually do. Utility companies definitely want to hush this up because commercial users are the big users of this type of load, and they are good business being cheaper to supply and paying a higher tariff than the domestic consumers (remember the PUC (Public Utilities Commission) sets the rates). So the Utilities resist more "scientifically accurate"

instrumentation as it would remove a well-hidden break that the commercial users are getting.
Another anomaly affects only service greater than 200Amp (not your domestic service) and that is that above 200Amps current transformers are usually used as part of the instrument, and guess what, current transformers saturate and go distinctly non-linear if there is any D.C. component in the load current. How can this be?   Easy - just have your pottery factory run its kilns as half wave loads and see the power bill decimated. Again suitable electronic instrumentation would be "scientifically accurate".

```
--------------------------------------------------------------------------
Henry Black P.E.   +1 415 857 6655   KK6JR G4NOC
Purely my own views, unless HP can make money out of them.
```

From 4238761853515904214
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4deb1ea5f08148fb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,4deb1ea5f08148fb
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-14 09:41:41 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!lll-winken!unixhub!shelby!paulf@shasta.Stanford.EDU
From: paulf@shasta.Stanford.EDU (paulf)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: SHUTTLE ROBOT QSO REQUIREMENT
Keywords: ROBOT QSO POOR DESIGN
Message-ID: <31@shasta.Stanford.EDU>
Date: 14 Dec 90 17:41:41 GMT
References: <829@idacrd.UUCP>
Organization: The Three Packeteers
Lines: 11
Xref: gmdzi rec.ham-radio:17889 rec.ham-radio.packet:3226

We also made QRZ at W6YX. We have third party confirmation. But, given the Doppler, one could make an actual connect only at maximum elevation (at least at our latitude), and since the robot heard us before that time, there was no way we could ACK it.

The robot is the proverbial Good Idea, since it allows for continuous coverage (even while the ham astronaut is doing real work). But yeah, the logger could use a little bit of work...

```
-=Paul Flaherty, N9FZX      | Without KILL files,
->paulf@shasta.Stanford.EDU | life itself would be impossible.
```

From -5898356609931001412
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,468b4728a2b6bd79
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,468b4728a2b6bd79

X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-14 09:45:50 PST
Path: gmdzi!unido!mcsun!uunet!rosevax!bert.Rosemount.COM!mikef
From: mikef@bert.Rosemount.COM (Michael Foerster)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: Please submit WA4SIR QRZ beacons copied
Summary: Need Circuit for _73_ Magazine ROBOCOPY program
Keywords: ROBOCOPY
Message-ID: <9495@rosevax.Rosemount.COM>
Date: 14 Dec 90 17:45:50 GMT
References: <47335@apple.Apple.COM> <1990Dec12.230720@envy.bellcore.com>
Sender: news@rosevax.Rosemount.COM
Reply-To: mikef@bert.Rosemount.COM (Michael Foerster)
Distribution: all
Organization: Rosemount Inc., Burnsville, MN
Lines: 15
Xref: gmdzi rec.ham-radio:17887 rec.ham-radio.packet:3225

Could someone send me the circuit for the ROBOCOPY program that
was published in the October issue of _73_ Magazine. I have
the program which is intended to decode cw from the reciever
speaker input, but don't have the circuit schematic. I will also
need the pinouts for the serial port (25 pin and 9 pin).

The circuit is only like 2 transistors and a few other parts.
The parts list was included with the .zip file, but no schematic.

Thanks in advance.

Mike

mikef@bert.rosemount.com

From -6434051169441532468
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a8d6d2c2482b442
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 10:03:09 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!hpcuhb!hpda!hpwala!hpnjld!eyg
From: eyg@hpnjld.HP.COM (Ed Gilbert)
Newsgroups: rec.ham-radio
Subject: Re: CMOS Super Keyer II, 11/90 QST
Message-ID: <4140032@hpnjld.HP.COM>
Date: 14 Dec 90 18:03:09 GMT
References: <4538@apricot29.UUCP>
Organization: Hewlett Packard NJD, Rockaway NJ
Lines: 8

> I was wondering
> if the authors have any plans to make the source code available.

I am writing to the authors of the QST article requesting that the
source code be made available, and also mentioning the iambic ON/OFF
request. I'll post their answer when I get it.

Ed Gilbert, WA2SRQ

From 1291943288352581044
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,81962d0aa7aa67a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 10:03:45 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!usc!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Communications Quarterly
Message-ID: <1250304@hpnmdla.HP.COM>
Date: 13 Dec 90 20:58:30 GMT
References: <47226@apple.Apple.COM>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 8
Posted: Thu Dec 13 21:58:30 1990

In rec.ham-radio, kchen@Apple.COM (Kok Chen) writes:

>So, for those of you who are sitting on the fence: go for it!

I will, as soon as they stop my CQ subscription as I asked them to do
(in writing) about 3 months ago! :-(

AL N1AL

From -4860382077490052046
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0aaa3358b071a9a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 10:04:13 PST
Path: gmdzi!unido!mcsun!uunet!know!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Antenna advice for beginners
Message-ID: <1250302@hpnmdla.HP.COM>
Date: 13 Dec 90 20:35:48 GMT
References: <1990Dec12.010833.20857@informix.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 27
Posted: Thu Dec 13 21:35:48 1990

In rec.ham-radio, mojo@netcom.UUCP (Morris Jones) writes:

>randall@informix.com (Randall Rhea) writes:
>> I read enough books that said "don't bother with
>> the copper stake in the ground" to know better.

>I'm curious about this. Am I wasting my time to ground my radio to
>a copper stake? Why? And ... what about this aluminum "ground wire"
>that I bought at Radio Shack? Not conductive enough?

Grounding is important for lightning protection. Best is to run the coax through a lightning arrestor before the coax enters the house, and ground the arrestor to an 8-foot ground rod using a very short, fat wire.

If you have "RF in the shack" due to RF currents on the feedline, this should help that problem as well as long is the wire is really short, like no more than a foot or two.

Running a wire (even heavy braid) from the station equipment ground out to a ground rod usually won't make a decent RF ground, and is shaky for lightning protection as well.

Aluminum is an excellent conductor (although not as good as copper). The problem is that there is danger of galvanic corrosion if you try to connect it to copper.

AL N1AL

From 2735001346704643851
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 10:05:33 PST
Path: gmdzi!unido!mcsun!uunet!know!news.cs.indiana.edu!ariel.unm.edu!unmvax!bbx!yenta!dt
From: dt@yenta.alb.nm.us (David B. Thomas)
Newsgroups: rec.ham-radio
Subject: Re: morse code
Message-ID: <1990Dec14.084634.26138@yenta.alb.nm.us>
Date: 14 Dec 90 08:46:34 GMT
References: <1990Dec12.231058.23895@engin.umich.edu>
<1990Dec14.012315.7858@zoo.toronto.edu>
Organization: yenta unix pc, rio rancho, nm
Lines: 16
Posted: Fri Dec 14 09:46:34 1990

Well, maybe this only happens in QST magazine, but I read an article about a man who was on a boat and had an emergency. All he had was a CB, and the microphone was messed up -- no audio. He was lucky enough to contact someone who could copy morse code, and got help fairly quickly.

Of course, for every situation like this, there's probably 100 more where the guy is in trouble and doesn't have a radio at all because he never got his license because he didn't want to learn the code!

What I personally like about CW is that the hams that you bump into are
nice. Very nice. Even the american ones. Try it, it's really FB man!

little david
--
I used to work at a sleep study clinic. Got fired, though.
I kept waking up on the job.

From -7518333267347398668
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bd541716bcbaf5f8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 10:05:50 PST
Path: gmdzi!unido!mcsun!uunet!samsung!cg-atla!raybed2!ewb
From: ewb@raybed2.msd.ray.com (EUGENE BALINSKI)
Newsgroups: rec.ham-radio
Subject: Re: Dayton Dates ??
Summary: April 26, 27, 28
Message-ID: <1949@raybed2.msd.ray.com>
Date: 14 Dec 90 18:05:50 GMT
References: <27080038@col.hp.com>
Organization: Raytheon Co., Tewksbury, Mass.
Lines: 8

In article <27080038@col.hp.com>, kenw@col.hp.com (Ken Wyatt) writes:
> Anyone know the dates for the Dayton Hamvention ???

Survey says: April 26, 27, 28.

Gene WA1UXA

From -5073678997551042910
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5ac17cf9e887b6e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 10:14:16 PST
Path: gmdzi!unido!mcsun!uunet!cbmvax!heimat!dan
From: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Newsgroups: rec.ham-radio
Subject: Re: reorganize - do it all now [:-)]
Keywords: :-)
Message-ID: <234@heimat.UUCP>
Date: 14 Dec 90 04:15:19 GMT
References: <1990Dec12.221550.13435@ux1.cso.uiuc.edu>
Reply-To: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Organization: Sneakers Computing, West Lawn, PA
Lines: 24
Posted: Fri Dec 14 05:15:19 1990

```
In article <1990Dec12.221550.13435@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil
Howard KA9WGN) writes:
>If we are going to make changes, we better do it all now.  So I have
>prepared a list of possible newsgroups.  Please add to it if you like
>and the name "amateur" can be changed to "ham" if you really want.
>
>:-)   [enjoy]
>
  [short list of suggestions removed]

  you forgot "rec.radio.amateur.argue"

  without that group where would the largest % of this groups messages go?

  We argue to argue, not for the point. (Or so most of the message would
  indicate based on their content - or should I say lack of)
--
                               _____
     Dan 'Sneakers' Schein    /     \   Quote:
     Sneakers Computing     \/\/     |        Those who worked the hardest
     2455 McKinley Ave.       |  (o)(o)       are the last to surrender.
     West Lawn, PA 19609      C   .---_)           -= Gary Ward =-
                               | |.___|
                               |  \__/
     uunet!cbmvax!heimat!dan  /_____\  (or)  dan%heimat@commodore.com


From 7384452356588313552
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 10:19:16 PST
Path: gmdzi!unido!mcsun!uunet!samsung!interlan.InterLan.COM!interlan.interlan.com!
yetsko
From: yetsko@interlan.Interlan.COM (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <YETSKO.90Dec14093652@celtic.InterLan.COM>
Date: 14 Dec 90 14:36:52 GMT
References: <18130@shlump.nac.dec.com> <831@idacrd.UUCP>
Sender: news@interlan.Interlan.COM (No News is BAD News)
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 5
Posted: Fri Dec 14 15:36:52 1990
In-Reply-To: mac@idacrd.UUCP's message of 13 Dec 90 19:23:38 GMT
Nntp-Posting-Host: celtic.interlan.com

You wonder how long it takes?  I'm working on my letter to the FCC right now
on my other keyboard as news takes it's time.

Mike Yetsko
```

N1DVJ

From -1052032091254149104
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 10:22:01 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!magnus.ircc.ohio-state.edu!sbbrown
From: sbbrown@magnus.ircc.ohio-state.edu (Stephen B. Brown)
Newsgroups: rec.ham-radio
Subject: Re: morse code
Message-ID: <1990Dec14.182201.28639@magnus.ircc.ohio-state.edu>
Date: 14 Dec 90 18:22:01 GMT
References: <1990Dec14.012315.7858@zoo.toronto.edu>
<1990Dec14.084634.26138@yenta.alb.nm.us> <1990Dec14.165331.2673@athena.cs.uga.edu>
Sender: news@magnus.ircc.ohio-state.edu
Organization: The Ohio State University Radio Observatory
Lines: 10
Nntp-Posting-Host: left.magnus.ircc.ohio-state.edu

In article <1990Dec14.165331.2673@athena.cs.uga.edu> mcovingt@athena.cs.uga.edu
(Michael A. Covington) writes:
>What are the odds of a microphone element failing while the push-to-talk
>button stays in working order?

It's happened to me.

Steve Brown, N8HFI

--
Steve Brown   sbbrown@magnus.ircc.ohio-state.edu

From -2357392050252438972
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5667fb440b8a8689,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 10:26:54 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: FCC announces new licence class
Message-ID: <201@platypus.uofs.edu>
Date: 14 Dec 90 13:36:55 GMT
References: <1990Dec13.213750.27374@xanadu.com>
Organization: University of Scranton, Scranton, PA
Lines: 23
Posted: Fri Dec 14 14:36:55 1990

In article <1990Dec13.213750.27374@xanadu.com>, jeff@xanadu.com (Jeff Crilly

N6ZFX) writes:
> He
> also didn't mention what will happen to existing
> technician class license holders; I assume they will
> keep their priviliges.
>

Actually the press release covers all that too.

Interestingly enough, has anyone else come to the realization that we now have three DIFFERENT technician Class license holders, with the only proof of your priviledges being the date you took the test.

Make sure you keep those original licenses, especially if you are one of the older ones who took the General Exam and 5 WPM CW.

bill KB3YV

--

Bill Gunshannon | If this statement wasn't here,
bill@platypus.uofs.edu | This space would be left intentionally blank

From -7172359733762940951
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b23125fdc69e1468
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 10:38:18 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (=Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: Keyers, Paddles
Summary: Sideswiper is best mobile key
Message-ID: <120@thoreau.nsc.com>
Date: 14 Dec 90 18:38:18 GMT
References: <4546@apricot29.UUCP> <1666@ke4zv.UUCP>
Distribution: rec
Organization: National Semiconductor, S. Portland, Maine
Lines: 17

For all you types experimenting with mobile CW the sideswiper type keys are (IMHO) the ONLY hardware worth considering. The use of keyers with memory are ok for the canned portions of the QSO but when you have to start talking then its time to get off the keyer. Keyers require more concentration than do manual keys. The motion with a straight key is not natural in any mobile mounting position. Mechanical bugs require a lot of concentration and suffer from bump-jitters on the dot contact. The sidewinder has a nice lateral movment, a

positive control pivot that does not bounce and is self
centering. Overall, its your character that comes out in
the sending and can be very pleasing to the listener.

Try one, you'll like it.

Ron Todd, K3FR

From -7994484641369473346
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10cfc2c9d120d5f3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,10cfc2c9d120d5f3
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-12 13:35:59 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: Call for Discussion, pass two: reorganization of rec.ham-radio.*
Message-ID: <24710@ucsd.Edu>
Date: 12 Dec 90 17:29:59 GMT
References: <4446@lib.tmc.edu> <1878@casbah.acns.nwu.edu>
Followup-To: news.groups
Organization: The Avant-Garde of the Now, Ltd.
Lines: 11
Xref: gmdzi news.groups:23512 rec.ham-radio:17752
Posted: Wed Dec 12 18:29:59 1990

hpa@casbah.acns.nwu.edu (Peter Anvin) writes:
>>2. rec.radio.amateur.packet or rec.radio.amateur.digital?
>Remember, there are more to digital hamming than packet. If you want to
>discuss packet radio (that is, ARRL AX.25), then go with ".packet". If you
>want to include discussion of Baudot (RTTY), AMTOR, and the like then go
>with ".digital".

The group was created to discuss packet radio specifically, and is
gatewayed to an Internet mailing list of the same charter. I don't
think it's wise to try to change charters in the guise of renaming.
     - Brian

From 6617164608545456742
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1fb06c97bc0a3eb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 13:42:01 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!hplabs!hpcc05!hpcuhb!hpda!
hpcupt1!hprnd!hprpcd!stan
From: stan@hprpcdhprpcd.HP.COM (Stan Witherspoon)
Newsgroups: rec.ham-radio
Subject: Re: ft-470 cloning?
Message-ID: <15780007@hprpcdhprpcd.HP.COM>

Date: 12 Dec 90 21:42:01 GMT
References: <9012111303.AA03979@lonexc.radc.af.mil>
Organization: HP, Systems Technology Div., Roseville, Ca.
Lines: 16

Does anyone have info on the FT-411 cloning data format as was mentioned
in the base note? I am in the process of trying to decode the data, but
I would not like to reinvent the wheel if someone else has already done
so.

```
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
~  Stan Witherspoon            ~      Disclaimer      ~
~  Systems Technology Division ~~~~~~~~~~~~~~~~~~~~~~~~
~  Hewlett Packard Company     ~ These are my         ~
~  8010 Foothills Blvd.        ~ personal opinions    ~
~  Roseville Ca. 95678         ~ and do not represent ~
~  Phone: (916) 785-5071       ~ the views of anyone  ~
~  RF: N6SCE                   ~ or anything else     ~
~  Email: ucbvax!hplabs!hprpcd!stan                   ~
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
```

From 1135074735871478067
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 13:52:21 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!julius.cs.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Another look at Radar Detector Legality for Hams
Message-ID: <1990Dec12.172008.11027@ux1.cso.uiuc.edu>
Date: 12 Dec 90 17:20:08 GMT
References: <693.27612B63@w8grt.fidonet.org> <34420@netnews.upenn.edu>
<1990Dec9.094249.19547@athena.mit.edu> <34445@netnews.upenn.edu>
Organization: University of Illinois at Urbana
Lines: 25
Posted: Wed Dec 12 18:20:08 1990

depolo@eniac.seas.upenn.edu (Jeff DePolo) writes:

>In article <1990Dec9.094249.19547@athena.mit.edu> dmb@athena.mit.edu (David M.
Bruce) writes:
>>and besides, If the radar gun is on it's performing radio telemetry.
>>It doesn't matter if you're looking at the readout or not. If an air
>>traffic controller looks away from his scope is he breaking the law
>>too?

>It doesn't matter whether or not somebody is looking at it. It DOES
>matter whether or not there is someone there to control the emissions.
>Radar guns aren't classified as telemetry equipment. The license is

>for radiolocation. FCC regs also state that this type of device must
>be manned. Also, a radar detector is a radio receiver. If somebody
>is interfering with its use, that is, somebody is setting it off without
>a reason for transmitting, that is also an FCC violation. See part
>15 for more info. Radar guns are part 15 devices, from what I remember.

The radar is NOT telemtry, even if it is gathering statistics (whether
legal or not). It is still radiolocation in that it is determining the
location or velocity of a subject. If the resultant data is transmitted
via radio somewhere else, that would, or could, be telemetry.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 2680884947601846506
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 13:52:39 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <1990Dec12.173040.13533@ux1.cso.uiuc.edu>
Date: 12 Dec 90 17:30:40 GMT
References: <1990Dec9.231912.8685@midway.uchicago.edu> <m0VyT2w163w@phoenix.com>
<1990Dec10.184453.11217@cunixf.cc.columbia.edu> <193@platypus.uofs.edu>
Organization: University of Illinois at Urbana
Lines: 13
Posted: Wed Dec 12 18:30:40 1990

bill@platypus.uofs.edu (Bill Gunshannon) writes:

>Yes, but there are a lot of old Techs out there (like my wife - KA3NQD and
>my father - KA3ILE.) Sure hope all the rest of you kept your original
>Tech license. It's the only way to prove which test you took. The FCC
>database only lists the last time you changed, not the original test date.

If you lost it (I'm not sure where mine is though I know I saved it),
it's no big deal since the Advanced and Extra written exams are so easy.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 5305726819174741775
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 14:10:04 PST

Path: gmdzi!unido!mcsun!uunet!olivea!samsung!cs.utexas.edu!swrinde!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <615@chiton.ucsd.edu>
Date: 12 Dec 90 17:24:05 GMT
References: <1990Dec9.231912.8685@midway.uchicago.edu> <m0VyT2w163w@phoenix.com>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 14
Posted: Wed Dec 12 18:24:05 1990

In article <m0VyT2w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
>
>   And this will, of course, upgrade all Technician licenses to General,
>as the only difference is the code test. 80m phone, here I come!
>
As the Mad Hatter said: "No room!". The privileges you gain by default won't
be worth a burned out 6146.

AA6PN

--
richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From -1621543413206518605
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10cfc2c9d120d5f3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,10cfc2c9d120d5f3
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-12 14:44:25 PST
Path: gmdzi!unido!mcsun!uunet!midway!ux1.cso.uiuc.edu!news.iastate.edu!sharkey!jafus!eddy
From: eddy@jafus.mi.org (Eddy J. Gurney)
Newsgroups: rec.ham-radio,news.groups
Subject: Re: Call for Discussion, pass two: reorganization of rec.ham-radio.*
Summary: Keep it called 'ham', not 'amateur'
Message-ID: <1990Dec12.224425.5826@jafus.mi.org>
Date: 12 Dec 90 22:44:25 GMT
Organization: The Eccentricity Group - East Lansing Division
Lines: 17
Xref: gmdzi rec.ham-radio:17805 news.groups:23552
Posted: Wed Dec 12 23:44:25 1990

I agree completely the name should remain "ham" and _NOT_ be
changed to "amateur." Ham is VERY widely recognized; I can't
tell you the number of times I've said "That's an amateur radio
license plate" and they say something like, "Isn't that the same
as ham radio?" Plus, to the average Joe Blow who is wading

through the .newsrc file on his U*ix box, rec.radio.amateur would sound like a discussion for a bunch of DJ's from the college radio station. :-)

Keep it "ham." Definitely.

Regards,
Eddy, N8FPW
--
```
         Eddy J. Gurney  N8FPW         THE ECCENTRICITY GROUP         EEEEGGGG
eddy@jafus.mi.org    gurney@frith.egr.msu.edu    17158EJG@MSU.BITNET  EEE G GG
   (Preferred)        (If your mail bounces)     (If you HAVE to :-)  EEEEGGGG
```

From -7409622816427906023
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,5dd2f14b9ce66a7c,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-12 15:10:58 PST
Xref: utzoo sci.electronics:16238 rec.ham-radio:28090
Path: utzoo!utgpu!news-server.csri.toronto.edu!rutgers!apple!olivea!samsung!uakari.primate.wisc.edu!caen!jameson.engin.umich.edu!ssave
From: ssave@caen.engin.umich.edu (Shailendra Anant Save)
Newsgroups: sci.electronics,rec.ham-radio
Subject: morse code
Keywords: morse code
Message-ID: <1990Dec12.231058.23895@engin.umich.edu>
Date: 12 Dec 90 23:10:58 GMT
Sender: news@engin.umich.edu (CAEN Netnews)
Followup-To: poster
Distribution: usa
Organization: The University of Michigan, Ann Arbor
Lines: 36

Does anyone have the morse code in ascii? I am studying for my radio operators licence, and I just wrote a program to send me some beeps and bops for dots and dashes by reading from a text file. The problem is that I don't have codes for each of the letters and the numbers and special characters. Could someone send these to me? eg:

```
o - - -
s . . .
```

Also, could someone tell me what the delay in terms of unit time that one has to have between letters (characters). And between words?

I'll probably put this up for anonymous ftp after

I have done with it. Eventually it should be able
to take *in* morse and give the characters. It will
also have a noise includer. Something that will "forget"
to beep one or two dots or dashes in a word during
transmission. Good for real-time simulation.

Say, why do people use morse nowadays anyway?

--Shailendra

```
--
 Physical:  Shailendra Save,      Logical:  ssave@caen.engin.umich.edu
            2303 Conger Baits II,    UUCP:  ...!umix!caen.engin.umich.edu!ssave
            Ann Arbor. MI 48109.  Audible: 313-763-1627(H) 313-764-8033(O)
     ICBM: 42 33'W   83 71'N          Fax: 313-747-1781
    Eagles may soar, but weasels don't get sucked into jet engines.
             (For those who don't know, a weasel is a wolverine)
```

```
From 6899257630323577777
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b23125fdc69e1468
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 15:58:24 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!netcom!mojo
From: mojo@netcom.UUCP (Morris Jones)
Newsgroups: rec.ham-radio
Subject: Re: Keyers, Paddles
Message-ID: <18654@netcom.UUCP>
Date: 12 Dec 90 23:58:24 GMT
References: <4546@apricot29.UUCP> <1666@ke4zv.UUCP>
Distribution: rec
Organization: Netcom- The Bay Area's Public Access Unix System {408 241-9760
guest}
Lines: 25
Posted: Thu Dec 13 00:58:24 1990
```

gary@ke4zv.UUCP (Gary Coffman) writes:
>If you can find one of the old Brown Brothers Machine paddles, grab
>it fast. It's much nicer than a Bencher.

Piffle! I own a Brown Bros. paddle and a Bencher. The Bencher has a
much finer feel and control to it. Besides that, the Bencher has a
heavier base, and doesn't move around on my table. I couldn't use the
Brown Bros. paddle without having a spare hand to hold it down.

I suspect that you would find the Brown Bros. paddle preferable if you
use heavy finger forces. I'm not sure. I do feel like my Bencher is
the best I've ever used.

Right now my BBM paddle is on loan to Ed WB2GOH who's enjoying using it.

There's nothing wrong with it, I just like the Bencher. :)

<dusting off my 35 wpm certificate>

Mojo AA4KB

```
--
mojo@netcom.UUCP          Site Coordinating Instructor, San Jose South
Morris "Mojo" Jones       Skilled Motorcycling And Rider Training (S.M.A.R.T.)
Campbell, CA              800-675-5559 ... 800-CC-RIDER ...  408-423-2212
AA4KB @ N6LDL.#NOCAL.CA.USA.NA / aa4kb.ampr.org / netcom!mojo@apple.com
```

From -3836657417974492493
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5ac17cf9e887b6e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 16:27:07 PST
Path: gmdzi!unido!mcsun!uunet!unsvax!jimi!tahoe!apple!uokmax!skaggs
From: skaggs@nsslsun.gcn.uoknor.edu (Gary Skaggs)
Newsgroups: rec.ham-radio
Subject: Re: reorganize - do it all now [:-)]
Keywords: :-)
Message-ID: <1990Dec13.002707.29048@uokmax.ecn.uoknor.edu>
Date: 13 Dec 90 00:27:07 GMT
References: <1990Dec12.221550.13435@ux1.cso.uiuc.edu>
Sender: news@uokmax.ecn.uoknor.edu (Nets)
Organization: National Severe Storms Laboratory
Lines: 23
Posted: Thu Dec 13 01:27:07 1990

In article <1990Dec12.221550.13435@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN) writes:
>If we are going to make changes, we better do it all now. So I have
>prepared a list of possible newsgroups. Please add to it if you like
>and the name "amateur" can be changed to "ham" if you really want.
>
>:-)   [enjoy]
>
>rec.radio.amateur
>rec.radio.amateur.alt
>rec.radio.amateur.am
>rec.radio.amateur.am.legal
     ...other hilarious stuff deleted...

The one that I would add:
rec.radio.amateur(ham).saga.continuing.reorganization.blah.blah.blah

[Next cubicle asked what was so !@#$%^&*() funny!]

```
______________________________________________________________________________
Gary Skaggs - WB5ULK   skaggs@nssl.gcn.uoknor.edu  DOC/NOAA/ARL/ERL/NSSL
```

"I don't wanna shoot you, and you don't wanna be dead."
Malachi Johnson (Danny Glover), Silverado.

From -2987453755362277105
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-12 16:58:46 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!mit-eddie!wuarchive!emory!gatech!rutgers!cmcl2!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Keywords: amateur radio
Message-ID: <N9e4T3w163w@phoenix.com>
Date: 13 Dec 90 00:58:46 GMT
References: <1990Dec10.222602.14152@eci386.uucp>
Organization: One Man Brand
Lines: 21
Xref: gmdzi news.groups:23572 rec.ham-radio:17840
Posted: Thu Dec 13 01:58:46 1990

woods@eci386.uucp (Greg A. Woods) writes:

> I suspect that at one time people would have argued the term "amateur"
> had negative connotations. I doubt many sane people would do so now.
>

Oh? If you have a badly leaking water heater do you call an amateur plumber? When you are deathly ill, do you go to an amateur doctor? If you are involved in a law suit do you seek an amateur lawyer? Unless you answered YES to all three, then you yourself harbor negative feelings toward the word amateur.

am-a-teur n.
2. a person who does something without
professional skill

from the Webster's New World Dictionary, 1988. The Living Dictionary includes a phrase something like "usually with crass connotations".

The main problem with the term amateur is it is not specific about amateur what. Ham-radio is rather specific.

From -5732696533363907237
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 18:11:18 PST

Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <740.2766BDB5@w8grt.fidonet.org>
Date: 13 Dec 90 02:11:18 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 40
Posted: Thu Dec 13 03:11:18 1990

 > From: stanley@phoenix.com (John Stanley)
 > Date: 12 Dec 90 00:08:43 GMT
 > Organization: One Man Brand
 > Message-ID: <99H2T8w163w@phoenix.com>
 > Newsgroups: rec.ham-radio
 >
 >
 > jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
 >
 > > > From: emcguire@ccad.uiowa.edu (Ed McGuire)
 > > >
 > > > Just curious. How widely understood is "ham" outside of the U.S.?
 > > > Outside of English speaking countries? Among non-hams in those
 > > > countries?
 > >
 > > Err, isn't that academic, considering r.h-r is in English anyway?
 >
 >   No. My dictionary (something a non-speaker might use to look up
 > words)
 > gives a radio oriented definition for "ham", but nothing about radio for
 > "amateur". So, looking up "ham radio" would give the correct answer,
 > while
 > looking up "amateur" would leave the poor fellow scratching his head.
 >
 >   However, it is claimed that renaming the group to r.r.a would make it
 > easier to find. This leaves me scracthing my head along with the other
 > fellow.
 >

One of many scratching their heads right along with you is Masahiro Kitagawa of the NTT Research Labs in Tokyo who sent me e-mail agreeing that all this name changing talk is D U M B. Adding rec.ham-radio.legal is a good idea. The rest of the proposed change should be dropped as one of those ideas that pop up at 3 A.M. after eating tacos.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -6988643624949930117

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,281602b2ec39947c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 18:13:44 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!hplabs!pyramid!infmx!
randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Ham radio imitates life ...
Message-ID: <1990Dec13.021344.27807@informix.com>
Date: 13 Dec 90 02:13:44 GMT
References: <ZZHVT2w163w@tosspot.wang.com> <1990Dec9.103016.9299@wpi.WPI.EDU>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 23

>In article <ZZHVT2w163w@tosspot.wang.com> lee@tosspot.wang.com (Lee Reynolds)
writes:
>I don't think it would be too difficult to convince the powers-that-be
>to make amateur radio a thing of the past.  It seems to be getting so that
>it is virtually impossible to conduct any type of useful scheduled or
>organized activity on ham radio due to QRM, both deliberate and unintentional.
> .... look at the 14.313 zoo ... etc ....

It doesn't surprise me that we have more intentional QRM in ham radio, or
more profanity, more hogging of frequencies, less tolerance for other
hams, etc.   We have these things in the rest of society too.  As long
as our society promotes a "look out for number one" attitude, these
problems will just get worse.  If you want a good example of "societal QRM",
just go out driving in rush-hour traffic.  Or stand in line anywhere for
anything.  Or go to a sporting event where there are a lot of drunk
people.



--

=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                          Informix Software, Inc.
Senior Programmer/Analyst, MIS                    uunet!pyramid!infmx!randall


From -4709735581285050345
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,468b4728a2b6bd79,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,468b4728a2b6bd79,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-12 18:57:41 PST
Path: gmdzi!unido!mcsun!uunet!unsvax!jimi!tahoe!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Please submit WA4SIR QRZ beacons copied
```

Keywords: shuttle, packet, WA4SIR, robot, QRZ
Message-ID: <47335@apple.Apple.COM>
Date: 13 Dec 90 02:57:41 GMT
Organization: Apple Computer Inc., Cupertino, CA
Lines: 32
Xref: gmdzi rec.ham-radio:17836 rec.ham-radio.packet:3216
Posted: Thu Dec 13 03:57:41 1990

Tom Clark of the SAREX team reports that so far he has only received
about a dozen reports of QRZ beacons copied from the WA4SIR robot
packet station aboard STS-35. Those beacons listed the calls heard but
not necessarily worked by the robot. (I.e., calls captured by the TNC's
MHEARD command.)

```
    *******************************************************
    * Unlike the list of stations  actually worked by the *
    * robot, the MHEARD  list was NOT stored  by the TNC. *
    * This  means that  stations heard by  the robot will *
    * not be eligible for QSL cards unless the SAREX team *
    * sees QRZ beacon text containing their callsigns.    *
    *******************************************************
```

So PLEASE, if you captured any QRZ beacons from the WA4SIR robot,
forward them to SAREX@W3IWI.MD.USA or to sarex@tomcat.gsfc.nasa.gov.

One of your friends may wind up with a SAREX QSL this way! Maybe
another Usenetter! Maybe me! :-)

73,
Patty

```
--
*****************************************************************************
Patty Winter N6BIS                          INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                       UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From 8698967079075894704
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-12 19:54:51 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio,news.groups
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization

Message-ID: <1669@ke4zv.UUCP>
Date: 13 Dec 90 03:54:51 GMT
References: <1990Dec7.061211.27591@ux1.cso.uiuc.edu>
<1990Dec7.155358.9833@murdoch.acc.Virginia.EDU> <3559@jaytee.East.Sun.COM>
<4445@lib.tmc.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Followup-To: rec.ham-radio
Organization: Gannett Technologies Group
Lines: 30
Xref: gmdzi rec.ham-radio:17810 news.groups:23555
Posted: Thu Dec 13 04:54:51 1990

In article <4445@lib.tmc.edu> jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
writes:
>In article <3559@jaytee.East.Sun.COM> jimv@east.sun.com (Jim Vienneau - Sun
Microsystems) writes:
>>You've got to be kidding! Most of the postings technical? Only if you
>>consider questions about nocode, callsign projects, clean fists, club
>>stations, licensing procedures (aka Gorden West), Ham stacks, super
>>repeaters, radar detectors, *Camcoders*???, CB, QSL card dimentions,
>>reverse autopatches, flea markets, fees, numerous FCC comments, cyrillic?,
>>Herbie net, antenna restrictions, etc, etc, etc, technical?!. Yes, *PLEASE*
>>let's setup a .tech subgroup (works for rec.auto).
>
>There's more to ham radio than just technical subjects. The object of adding
>.legal and not .tech is to move the flames, not a subset of the non-flames. I
>am strongly opposed to a .tech group, and don't see the overwhelming consensus
>that one is needed that would change my mind.

Jim is dead on the money. A rec.ham-radio.tech or (gag) rec.radio.amateur.tech
is just what we need. The packet subgroup and the cries over the demise of
Ham Radio magazine demonstrates that there is a fairly large following for
technical discussion among the members of rec.ham-radio. Also a group with
a technical charter seems to avoid much of the flaming found in the base
group. I believe that the .legal proposed group would be a source of cross
posts to the base group and a subject of endless flame wars consisting of
"this belongs in legal" "no it doesn't, it effects us all" type exchanges.
The last thing we need is yet another subject to bicker about. Also almost
all of the "legal" rangling that prompted this group pertains to USA hams
only and should be distribution limited to US sites, preferably by a mailing
list not a full usenet group. Ham radio is a technical hobby first and formost
and deserves a tech group. A rec.ham-radio.misc can hold the remainder.

Gary KE4ZV

From -6814292307972111130
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,94aa97686bdb716c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,94aa97686bdb716c,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-12-12 22:11:14 PST

Xref: utzoo rec.ham-radio:28103 sci.space:26391
Path: utzoo!utgpu!news-server.csri.toronto.edu!rutgers!usc!sdd.hp.com!
news.cs.indiana.edu!ariel.unm.edu!hydra.unm.edu!ollie
From: ollie@hydra.unm.edu (Ollie N6LTJ)
Newsgroups: rec.ham-radio,sci.space
Subject: Timely Keplerian Elements?
Message-ID: <1990Dec13.061114.11471@ariel.unm.edu>
Date: 13 Dec 90 06:11:14 GMT
Sender: news@ariel.unm.edu (USENET News System)
Distribution: usa
Organization: University of New Mexico, Albuquerque
Lines: 17

I have and continue to use the NASA 2-line keplerian elements sets posted in these groups. Much nicer than waiting for the "big brown envelope" from Goddard. However, other than dialing up the Celestial BBS for the latest elements, is there an ftp site I could grab them from? I know about the nachos.ssesco.com site, but these are only updated weekly. Is there a way to get the bulletins as they are issued via the net?

Comments/suggestions/"you're crazy" letters welcome...

73

--
Ollie Eisman (N6LTJ)   ollie@hydra.unm.edu   (505)277-4845
3505 Lafayette Rd. NE #3, Albuquerque, New Mexico 87131, USA

From -4917109431780407243
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c81b36788097919
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 22:39:22 PST
Path: gmdzi!unido!mcsun!uunet!know!cs.utexas.edu!asuvax!stjhmc!
f4.n722.z6.fidonet.org!BorLong.Lin
From: BorLong.Lin@f4.n722.z6.fidonet.org (BorLong Lin)
Newsgroups: rec.ham-radio
Subject: Question about 28.650MHz
Message-ID: <32151.27672276@stjhmc.fidonet.org>
Date: 13 Dec 90 06:39:22 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 6:722/4 - TAIWAN HamRadio BBS, Changhua TAIWAN
Lines: 22
Posted: Thu Dec 13 07:39:22 1990

In a message of <Dec 11 12:20> grx0644@uoft02.utoledo.edu (1:114/15@fidonet) writes:

g)I saw a post on another system in Cleveland that said that all Shuttle

```
 g)Missions
 g)are broadcast on 28.650MHz and can be heard world wide?? is that true?

Here, I've noted, a big signal on 28.635MHz FM,
over 9+60db,
but, I hear nothing on this frequency.
I don't know the reasons why.
As on 28.650MHz, nothing specifically.

73 de BV5AF






--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!6!722!4!BorLong.Lin
Internet: BorLong.Lin@f4.n722.z6.fidonet.org


From -8471111820191825581
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5bf6fbf21e4b585,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 04:53:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!agate!ucbvax!
SMCVAX.BITNET!GOODWIN
From: GOODWIN@SMCVAX.BITNET (Dave Goodwin)
Newsgroups: rec.ham-radio
Subject: FTP for non-Internet sites
Message-ID: <9012141354.AA29816@ucsd.edu>
Date: 13 Dec 90 12:53:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 31
```

I've noticed several comments concerning the use of LISTSERVs for placing files, since some sites, including mine :^), have no FTP access. I didn't see anyone else mention this, so I thought I would.

Any site with BitNet access can FTP files through the BITFTP server at PUCC. This server accepts mail messages with FTP commands in the body of the message, then performs the FTP transfer by proxy and mails you the result. It's awkward, a little slow, but it works. I just FTP'd the KH113013.EXE from KA9Q's node, and it came to me as 12 individual mail messages. I concatenated them, uudecoded the resulting file, and it worked just fine. I have not yet been able to get binary files in their native form, but uuencoding works fine. If anyone figures out how to get a binary directly, I'd sure like to know. I'm on VAX/VMS with JNET.

Anyhow, for more info you can mail a message containing the word HELP to BITFTP@PUCC and get the help document. I'll be happy to provide any help I can if you get stuck.

```
===========================================================================
Dave Goodwin                                  |
Assistant Director, Academic Computing        | To err is human.
VAX System Manager                            | To really foul things up,
----------------------------------------------| You need a computer.
BitNet/CREN : Goodwin@Smcvax                  |
Ma Bell     : (802)655-2000 X2220             |
Pony Express: Saint Michael's College         |          -Who Knows?
              Department of Computer Services |
              Winooski Park                   |
              Colchester, VT 05439            |
Ham Radio   : N1HRO                           |
===========================================================================
```

From 4763349778132275262
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e72ad100d641c9cc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 05:11:03 PST
Path: gmdzi!unido!mcsun!uunet!isis!whester
From: whester@isis.cs.du.edu (William R. Hester)
Newsgroups: rec.ham-radio
Subject: 20 meter problems (long)
Message-ID: <1990Dec13.131103.12590@isis.cs.du.edu>
Date: 13 Dec 90 13:11:03 GMT
Reply-To: whester@isis.UUCP (William R. Hester)
Organization: Math/CS, University of Denver
Lines: 105
Posted: Thu Dec 13 14:11:03 1990

I found the following article on my local packet BBS...
good ideas for discussion and resolution of 20 meter mess:
Copied text follows:
==
Date: 901129/0223
From: K4EID @ K4EID
Message-Id: <17852@K4EID>
To: ALL @ ALLUS
Subject: Re BARF and other sociopaths

I propose we look at this BARF nonsense from another aspect. It was amusing at first to see these and some others start flaming everything and everyone with their verbal diatribes. But after days of nonstop garbage, it has ceased to be funny.

At even a hint of a request for some moderation the response is "you're censoring" or "you're violating my freedom of speech" which gets a few more people sending flames who don't really even know what the issues are. Around and around the mess goes, all triggered by a few well primed and prepared people who are playing games with the sensibilities of those on packet radio.

I have a couple of questions for you to ponder, however. Do you think if they or the KKK or the skinheads (or any of the others who profess to have the same misguided beliefs that they obviously do) walked into the offices of the press services or newspapers in this country, or into the offices of Time magazine, U.S. News and World Report, or any other credible organ of free speech and handed them the buckets full of crap they are flowing onto ham radio, that it would be printed? Do you think it would be printed even after cries of CENSORSHIP?

In fact, I believe there are marked similarities to the tactics being used by BARF as those described in "Marketing cynicism and vulgarity" by John Leo on page 23 of the December 3, 1990 issue of U.S. News & World Report. I quote from that article...

"Charges of censorship have been raised by the author and others, but this is a diversion and a bogus issue. There is no censorship issue here because no governmental body is involved telling us what to see and read. No one has a constitutional right to have his splattered fantasies published. Thousands of grotesquely violent novels are rejected by publishers every year, and this one should have been among them."

Isn't most of this garbage being rained upon us by these BARF bags just as offensive to the sensibilities of most of us?

"How can we get this dangerous junk out of the culture? Short of censorship, everything possible ought to be done, beginning with a serious national debate. Maybe it will eventually come down to boycotts. In the meantime, maybe we should recycle Nancy Reagan's slogan, "Just say no." The career of Andrew Dice Clay began to unravel the day that Nora Dunn and Sinead O'Connor stood up and refused to perform with him on "Saturday Night Live." That touched off a chain reaction of noes that included Jay Leno, David Letterman, MTV and more and more of the public."

I propose then that censorship has nothing to do with it. It is simply a matter of common decency and common sense. We do not stand and listen to these hate mongers rave on a street corner exercising their free speech. Nor do we let them into our homes when they show up ranting and raving about first one issue then another. Like the publishers, we have no obligation to hold the loudspeaker or give them our ears or the postage stamps to spread their distortions and opinions. Use common sense - if they want to communicate their own biased views, fine, but let them do it by connecting to and communicating with those that share their distorted opinions. If you want to connect to them, then that is your right (and your problem). At least it gives you the option of deciding for yourself.

Even if you are hundreds of miles away -- it's time to say "I'm sick and tired of this garbage and I'm not going to take it any more". If the guy up the street wants to fill the ears of you and your family with filth do you stand and listen? No! If a radical group wants to put posters and signs on your house or in your yard, would you let them - no. Then why do you let them put the same objectionable materials on your radio and computer equipment? So let's quit providing free newspaper services for the distasteful rantings of a bunch of sickos. If the next BBS up the line insists on continuing to rain this trash on you, then shut him off. This mode has too much to offer ham radio to let a few ruin it. And if you think they can't, look back a few years at Citizen's Band Radio and ask yourself what happened to one of America's most popular pastimes ? If you listened to the filth that was being aired in the same ways there, people with common sense and decency just turned the radio off and put it in the garage never to be used again. Do we want that same solution to the same type of problem in Ham Radio ? - I think not !! We have more options available to us than the CBers did. We don't have to listen or promulgate their rantings.

Yes, there will be some variations in the judgements of various SysOps, but let's let common sense prevail and do the best we can. Debating valid issues in an objective way is one thing. Bigoted propaganda is yet another.

Think about it.

73's de Bob K4EID @ K4EID

==

End of Copied Text...
Any Comments?

--
Bill Hester, Ham Radio N0LAJ, Denver CO., USA | N0LAJ @ W0LJF.CO.USA.NA
Please route replies to: whester@nyx.cs.du.edu or uunet!nyx!whester
Public Access Unix @ University of Denver, Denver Colorado USA
(no official affiliation with the above university)

From 746875017508569277
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dd2f14b9ce66a7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 05:13:49 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!bu.edu!att!cbnewsj!k2ph
From: k2ph@cbnewsj.att.com (The QRPer)
Newsgroups: rec.ham-radio
Subject: Re: morse code
Message-ID: <1990Dec13.131349.13148@cbnewsj.att.com>
Date: 13 Dec 90 13:13:49 GMT
Organization: QRM Central
Lines: 11
Posted: Thu Dec 13 14:13:49 1990

> Say, why do people use morse nowadays anyway?
>
> --Shailendra

Same reason they use any mode, because it's fun!

--
===
Bob Schreibmaier K2PH | UUCP: att!oblivion!k2ph or k2ph@oblivion.att.com
AT&T Bell Laboratories | ARPA: k2ph%oblivion@att.arpa
Lincroft, N.J. 07738 | ICBM: 40o21'N, 74o8'W

From -5973762420980707
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,58badec434925f6d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 06:29:38 PST
Path: gmdzi!unido!mcsun!uunet!know!news.cs.indiana.edu!sdd.hp.com!usc!ucsd!ucbvax!
ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House,
Swindon")
Newsgroups: rec.ham-radio
Subject: Professional grade?
Message-ID: <13.Dec.90.14:31:58.GMT.#1155@UK.AC.NWL.IA>
Date: 13 Dec 90 14:29:38 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Thu Dec 13 15:29:38 1990

Ron NW0U ponders:
>
>I have yet to figure out what "professional grade" means when
>applied to "amateur" radio equipment.......
>
I always assumed it meant that the equipment was built to CCS ratings
rather than ICAS.

BTW, 'CCS' = Continuous Commercial Service.
     'ICAS' = Intermittent Commercial & Amateur Service.

 Pete Lucas G6WBJ   G6WBJ@GB7SDN.GBR.EU   PJML@UK.AC.NWL.IA 0793-411613

From -3440522561820394363
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,94aa97686bdb716c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,94aa97686bdb716c
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-12-13 07:10:12 PST
Xref: utzoo rec.ham-radio:28165 sci.space:26424
Path: utzoo!utgpu!news-server.csri.toronto.edu!rutgers!cs.utexas.edu!swrinde!
zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!src.honeywell.com!msi.umn.edu!
cs.umn.edu!uc!nachos.SSESCO.com!elmquist
From: elmquist@nachos.SSESCO.com (Chris Elmquist)
Newsgroups: rec.ham-radio,sci.space

```
Subject: Re: Timely Keplerian Elements?
Message-ID: <285@nachos.SSESCO.com>
Date: 13 Dec 90 15:10:12 GMT
References: <1990Dec13.061114.11471@ariel.unm.edu>
Followup-To: rec.ham-radio
Distribution: usa
Organization: none
Lines: 23

In article <1990Dec13.061114.11471@ariel.unm.edu> ollie@hydra.unm.edu (Ollie
N6LTJ) writes:
>
>I have and continue to use the NASA 2-line keplerian elements sets
>posted in these groups.  Much nicer than waiting for the "big brown
>envelope" from Goddard.  However, other than dialing up the Celestial
>BBS for the latest elements, is there an ftp site I could grab them
>from?  I know about the nachos.ssesco.com site, but these are only
>updated weekly.  Is there a way to get the bulletins as they are
>issued via the net?
>
I am the keeper of the nachos.ssesco.com site...  I get the elements
mailed to me directly from Dr. Kelso at the same time (or before)
he posts them to various newsgroups.  I'm pretty certain he only
gets them on a weekly basis (or at least only releases them that
often).  If there's a faster way we'd sure like to know--

Chris

--
Chris Elmquist, N0JCF
Internet: elmquist@SSESCO.com
   AMPRN: N0JCF@WB0GDB.MN.USA.NA
 BellNet: (612) 785-3516


From -6624609629924183858
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 08:38:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpfcso!ron
From: ron@hpfcso.HP.COM (Ron Miller)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <7500062@hpfcso.HP.COM>
Date: 13 Dec 90 16:38:10 GMT
References: <734.2764FD1F@w8grt.fidonet.org>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 18
Posted: Thu Dec 13 17:38:10 1990

>
```

> What are these negative connotations? I've never encountered them myself.
> --
> peace. -- Ed

"Oh! So *you're* the cause of my TV going on the blink!"

Talk to any ham with a large tower and beam. He'll tell you that the neighbors think that the beam makes TVI worse, when, most likely, it reduces it (because the radiating elements are being spaced from the susceptible devices.).

In the '70's, it was common for hams to be blamed for CB mischief.

Ron
NW0U

From -1868615820941612160
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 08:50:42 PST
Path: gmdzi!unido!mcsun!uunet!samsung!interlan.InterLan.COM!interlan.interlan.com!yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <YETSKO.90Dec12131402@interlan.interlan.com>
Date: 12 Dec 90 18:14:02 GMT
References: <1990Dec9.231912.8685@midway.uchicago.edu>
     <m0VyT2w163w@phoenix.com>
     <1990Dec10.184453.11217@cunixf.cc.columbia.edu> <193@platypus.uofs.edu>
     <1990Dec12.173040.13533@ux1.cso.uiuc.edu>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 7
Posted: Wed Dec 12 19:14:02 1990
In-reply-to: phil@ux1.cso.uiuc.edu's message of 12 Dec 90 17:30:40 GMT

Can't you do what the VECs do now with the old techs proving they were licensed prior to novice enhancement? I've heard they will take almost any proof, stuff like old call-books with your call listed. But the burden of proof will most likely be on the HAM to show he is, not on the FCC.

Mike Yetsko
N1DVJ

From -6633309862409145894
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 09:25:17 PST
Path: gmdzi!unido!mcsun!uunet!olivea!apple!julius.cs.uiuc.edu!psuvax1!rutgers!
bagate!dsinc!netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: MACMORSE & HyperCard Stacks
Keywords: Code_Practice FCC_Exams HyperCard
Message-ID: <199@platypus.uofs.edu>
Date: 13 Dec 90 17:25:17 GMT
References: <8582@tekgvs.LABS.TEK.COM>
Organization: University of Scranton, Scranton, PA
Lines: 12
Posted: Thu Dec 13 18:25:17 1990

Just another plug for platypus.uofs.edu. There is a Morse Code program,
the HyperCard Stacks and even Stuffit 1.6 (necessary to unpack the Stacks.)

Feel free to grab whatever you need.

bill   KB3YV

--

```
     Bill Gunshannon          |        If this statement wasn't here,
     bill@platypus.uofs.edu   |  This space would be left intentionally blank
```

From 1817095302816546872
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 09:36:30 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!cunixf.cc.columbia.edu!
cunixb.cc.columbia.edu!mig
From: mig@cunixb.cc.columbia.edu (Meir)
Newsgroups: rec.ham-radio
Subject: Re: Internet-Packet Reply (LONG!)
Message-ID: <1990Dec12.184851.29531@cunixf.cc.columbia.edu>
Date: 12 Dec 90 18:48:51 GMT
References: <1250288@hpnmdla.HP.COM> <3058@wyse.wyse.com> <658@ssc.UUCP>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Organization: Columbia University
Lines: 37
Posted: Wed Dec 12 19:48:51 1990

In article <658@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>In article <3058@wyse.wyse.com>, stevew@wyse.wyse.com (Steve Wilson x2580
dept303) writes:
>> In article <1250288@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>> >>I would think that anyone sending e-mail to a ham on the .ampr.org
>> >>domain would be the same as my girlfriend making a reverse autopatch

```
>> >>on the local repeater. If I was not there to answer the call, and a
>> >>control opr was not on freq at the time, SHE would have controlled the
>> >>repeater.
>> >
>> >This is clearly illegal, and has been for years.  If you have a reverse
>> >autopatch, you must employ means to ensure that only properly-licensed
>> >hams can access it.
>>
>> Interestingly enough, there was a write-up on this subject in the
>> December QST.  Al is quite right that it is QUITE illegal for reverse
>> patches to be caused by anyone but a licensed operator.  About the
>
>I have been wondering about this.
>
>Why would it be illegal to have a detector on the phone line that causes
>a signal on the air when it detects 90 VAC at 20 Hz on the line?  Because
>someone, somewhere is dialing a phone?  Does this also mean that any
>kind of telemetry or remote monitoring, not constantly under the control
>of a licensed ham, is also illegal?
>
>What about repeaters that have a burglar alarm to indicate on the air
>when an intruder has entered the area?  Would this be illegal, because
>like the caller on the phone, the intruder might not be a licensed ham?

No; it would be legal because it involves the immediate protection of property
and possibly of limb (maybe the intruder isn't a ham and hasn't seen a 2 KV
power supply before).  In such an emergency, there is no question as to
legality.

 * * * * * * *  ======================= Meir Green
* * * * * * * * ======================= mig@cunixd.cc.columbia.edu
 * * * * * * *  ======================= N2JPG


From -3863741959413555365
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6d0103b204475b4b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 10:19:18 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: CMOS Super Keyer II, and FCC ruling rumor
Message-ID: <9012131819.AA07478@ucsd.edu>
Date: 13 Dec 90 18:19:18 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Thu Dec 13 19:19:18 1990

If the source code were available, as I think it ought to be, then
it'd probably be within many people's capabilities to turn off the
iambic mode, or make that selectable.  One of the advantages of
```

building your own gear is that it can be customized, but without the source, this is pretty difficult with software.

As a tech, whose hangup on upgrading is code speed (I already passed the entire set of theory/regulation tests once), I would like to get the privileges, if the rumor happens to be true, but would also feel cheated of the necessity of earning the upgrade.

73, doug

From 8713351332567568403
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,888376c54b074956,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 10:21:00 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!sdd.hp.com!ucsd!ucbvax!P2.AMS.WPAFB.AF.MIL!bob%50781.decnet
From: bob%50781.decnet@P2.AMS.WPAFB.AF.MIL ("50781::BOB")
Newsgroups: rec.ham-radio
Subject: Radar guns... reprise.
Message-ID: <9012131922.AA15395@ucsd.edu>
Date: 13 Dec 90 18:21:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Thu Dec 13 19:21:00 1990

Ok, so what kinda licence would I need to (legally) operate a radar gun?

In the real world, if the operation were sporadic, would anybody really care?

Bob N5GNA

From -640303058216842086
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,da7d195b4241d9b4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 10:22:35 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!gvgpsa!gvgpvd!randyh
From: randyh@gvgpvd.GVG.TEK.COM (Randy K. Hall)
Newsgroups: rec.ham-radio
Subject: FT736 Mods Needed
Keywords: FT736 Oscar Packet Mods
Message-ID: <1932@gvgpvd.GVG.TEK.COM>
Date: 13 Dec 90 18:22:35 GMT
Organization: Grass Valley Group, Inc., Grass Valley, CA
Lines: 13
Posted: Thu Dec 13 19:22:35 1990

I have a FT736R on order. I'm looking for mods that I might want to
consider. I'll be using this for Packet, Oscar, & Oscar Packet.

Thanks

Randy
WA2AGE

```
Randy Hall      Grass Valley Group, Inc      Voice:   916-478-3310
P.O. Box 1114   Grass Valley Ca. 95945       Fax:     916-478-3887
Internet:       randyh@gvgpvd.gvg.tek.com    Home:    916-274-2207
UUCP:           !tektronix!gvgpvd!randyh     Packet:  WA2AGE@KE6LW
```

From 7578238045744648774
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 11:23:38 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <831@idacrd.UUCP>
Date: 13 Dec 90 19:23:38 GMT
References: <18130@shlump.nac.dec.com>
Organization: idacrd, princeton, nj
Lines: 25
Posted: Thu Dec 13 20:23:38 1990

From article <18130@shlump.nac.dec.com>, by magid@esis.enet.dec.com (Joel Magid...):
>
>   On the FCC DOCKET for DEC 13 are only 2 items effecting Ham Radio.
>
>   1. The Communicator License
>   2. Code Waiver --- handicapped only
>
>   It does not appear at this time that the 13 and 20 WPM code exams
>   will be changed unless it is done under NPRM 90-55 (Communicator)
>

Yes but I wonder how long it will be before some ham sues on the basis of
reverse discrimination or some such thing as this. If an exception is made
for a certain group, the death of the requirement cannot be far behind it
would seem to me.,

Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From 1645414173959829706
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e39691bca51cad4d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 11:24:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!ub!dsinc!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Question for TM-731 users
Message-ID: <34651@netnews.upenn.edu>
Date: 12 Dec 90 19:52:52 GMT
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 36
Posted: Wed Dec 12 20:52:52 1990

I'm asking Santa for a TM-731 for Christmas, and was wondering a few things:

1) When using dual-band receive (not repeater mode), can you have it set up for one PL DECODE tone in UHF and a different one in VHF? I would think you would need 2 decoders to do this - is this how the 731 is designed, that is, it requires one decoder for each band?

2) In cross-band repeater mode using the radio as a simplex range extender, is it possible to require, say, the 440 side to use PL decode while leaving the 2m side open?

3) Our 440 repeater transmits a PL tone back only when there is audio being received through its input (i.e. it doesn't transmit a PL tone while IDing, while giving the hourly time report, etc.). Since this is the case, if I'm using a 2m HT crossbanded through the 731A, can I turn the PL decode for the 440 side on so that I don't have to wait for the repeater's carrier to drop before transmitting on my HT? In other words, will it switch bands only after the carrier has dropped, or will it switch whenever the squelch is closed, in this case being once the repeater has quit transmitting PL?

4) Finally, with the PL decoder on (or off), will it pass the PL tone to the transmitting band with the PL encoder turned off (i.e. will it pass PL tones in repeater mode, or do they have to be regenerated)? This question is purely academic and probably has little relevence to anything.

Thanks for the info.

--- Jeff

```
--
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
 Jeff DePolo  N3HBZ            Twisted Pair: (215) 386-7199
 depolo@eniac.seas.upenn.edu    RF: 146.685- 442.70+ 144.455s (Philadelphia)
 University of Pennsylvania     Carrier Pigeon: 420 S. 42nd St. Phila PA 19104
```

From 2120117428083248385
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a8d6d2c2482b442
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 11:29:41 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpwala!hpnjld!eyg
From: eyg@hpnjld.HP.COM (Ed Gilbert)
Newsgroups: rec.ham-radio
Subject: Re: CMOS Super Keyer II, 11/90 QST
Message-ID: <4140030@hpnjld.HP.COM>
Date: 13 Dec 90 19:29:41 GMT
References: <4538@apricot29.UUCP>
Organization: Hewlett Packard NJD, Rockaway NJ
Lines: 9

>One thing about this keyer which is neither in the manual nor the QST
>article is that it uses what Curtis Electro Devices (maker of the 8044
>keyer chip) calls "B" timing. This characteristic automatically adds a
>character of the opposite kind when the paddle is released.

Could you explain this a little more clearly? What is a character of
the opposite kind? Thanks.

Ed Gilbert, WA2SRQ

From 6201667932913980715
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f19630e07c0a6e24
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 12:24:19 PST
Path: gmdzi!unido!mcsun!uunet!samsung!rex!wuarchive!julius.cs.uiuc.edu!rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: Alternative proposal - The Grand Radio Reorg
Message-ID: <Jq63T1w163w@phoenix.com>
Date: 12 Dec 90 21:33:30 GMT
References: <1651@sun13.scri.fsu.edu>
Organization: One Man Brand
Lines: 92
Posted: Wed Dec 12 22:33:30 1990

murray@sun13.scri.fsu.edu (John Murray) writes:

> Is this very reasonable suggestion a personal affront to you or something?

If you took the time to read my original reply, you will find I take no affront at all to the proposal. Go back. Look again. (If you can't find it, I will gladly repost it. There are others here who need to reread it, too.) Show me the personal affront I took. Show me the "emotion" or "wild claims" I was accused of making. None of it is there.

If you look back at my original reply to the original proposal, you will note that all I did was ask the quite reasonable question - why? In response, I have gotten some pretty silly answers. Things like how bad it is there is a hyphen in the ham-radio name. I have had the dictionary quoted to me to show how the renaming is "real progress" (somehow, the dictionary has an opinion on the renaming), even though the dictionary defines ham radio better than it does amateur. (Look up the words "ham" and "amateur". See which one talks about radio.) And I have been told that there is no effort involved in this renaming.

I am affronted by people who make grandiose claims about what a simple renaming of a newsgroup will do and get bent out of shape when someone (me) asks the simple question: why is the renaming a good thing. I am affronted by people who get bent out of shape when I question the claims of 'real progress' (which they can't support) and the other subjective evaluation they apply but can't support. Much like your use of 'very reasonable' -- you don't want to support this claim, and all I want to know is why this is a reasonable thing to do. So far, there have been no good reasons. And don't tell me it is reasonable to rename an entire tree just to get rid of a hyphen.

As someone who has to do some of the work involved, I take affront at those who tell me that because they are at a site where it is easy to make this change that nobody has any right to question how hard it will be at other sites. They don't care -- it's easy for them. Since it's easy for them, it is easy everywhere. Pah!

I take affront at the person who claimed that, since I do not include my call in my .sig or my account name or anywhere else, I must not be a ham, and then implied that since I am not I can have no opinion in the matter. The same person who implied that since he has been licensed so long his opinion was certainly more important than mine. (Ha ha for him -- I am both licensed and for about as many years; as if it mattered either way.) This is just one more ridiculous claim made by the proposal supporters.

As a result of the silly claims and arguments I received in response to "why", I generated the alternative proposal. The entire proposal was based on what the original authors claimed they wanted to accomplish, using the same logic. It includes comments made by others, such as .cb, and expanded upon them to include a Part 15 group.

Anyone who chafes at the alternative proposal yet wants the name change must want it for some other reason than those already presented. Sauce for the goose, so to speak.

> I was going to refrain from voting at all, but now I think I'll vote just
> to piss you off.

What a nice reason to use for voting. What a nice sentiment. Certainly, if you have no constructive comments, make comments like this. Apparently, you have no arguments against the alternative proposal, since all you want to do is take pot shots at personalities.

You should examine the reason you added the john-stanley.personal.hier... I am not the one who suggested that the current hierarchy should be changed. You should point that illogic at the original authors of the proposal -- they want the hierarchy the way they want it. The Subject: CALL FOR DISCUSSION was a real misnomer. All that was wanted, it seems, was a CALL FOR AGREE WITH ME. (And remember, I did not pick the subject. The pronoun ME applies to the original author.)

Is there any doubt from the name that rec.radio.noncomm.amateur.ham is for ham radio or amateur radio? That is the prime reason for the change -- making the group easier to find. Rec.radio.amateur says only that the users are not professional users of the radio spectrum, just as the current name rec.radio.noncomm does not mean 'for professional radio only'. CB, Part 15, hobby classes in foreign countries. Yes, it will certainly add to the group to include debates about CB slang and baby monitors.

Oh, (the argument now goes) but the charter will exclude that. "Read the charter for r.r.noncomm, it says professional" I am told. If those looking for ham radio read the charter now and can't find us, then there is a more serious problem than just name. Let's fix that; it will gain us more than the name change will. The name change is a purely cosmetic move. It fixes nothing. There is no reason to do it.

But I forgot myself here. You didn't want to argue the merits of either proposal. You would rather just wave your hands and cast aspersions about the character of those you don't agree with.

I keep asking for real reasons. Nobody can provide any. If you can provide a reason, do so. Otherwise, keep your personal attacks to yourself.

From 136009241141737186
X-Google-Language: FRENCH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5ac17cf9e887b6e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 12:26:03 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!usc!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: reorganize - do it all now [:-)]
Summary: :-)

Keywords: :-)
Message-ID: <1990Dec12.221550.13435@ux1.cso.uiuc.edu>
Date: 12 Dec 90 22:15:50 GMT
Organization: University of Illinois at Urbana
Lines: 211
Posted: Wed Dec 12 23:15:50 1990

If we are going to make changes, we better do it all now. So I have prepared a list of possible newsgroups. Please add to it if you like and the name "amateur" can be changed to "ham" if you really want.

:-) [enjoy]

rec.radio.amateur
rec.radio.amateur.alt
rec.radio.amateur.am
rec.radio.amateur.am.legal
rec.radio.amateur.bands
rec.radio.amateur.bands.ehf
rec.radio.amateur.bands.hf
rec.radio.amateur.bands.hf.10m
rec.radio.amateur.bands.hf.12m
rec.radio.amateur.bands.hf.15m
rec.radio.amateur.bands.hf.17m
rec.radio.amateur.bands.hf.20m
rec.radio.amateur.bands.hf.30m
rec.radio.amateur.bands.hf.40m
rec.radio.amateur.bands.hf.80m
rec.radio.amateur.bands.lf
rec.radio.amateur.bands.lf.160m
rec.radio.amateur.bands.light
rec.radio.amateur.bands.shf
rec.radio.amateur.bands.shf.12mm
rec.radio.amateur.bands.shf.3cm
rec.radio.amateur.bands.shf.5cm
rec.radio.amateur.bands.shf.9cm
rec.radio.amateur.bands.uhf
rec.radio.amateur.bands.uhf.13cm
rec.radio.amateur.bands.uhf.23cm
rec.radio.amateur.bands.uhf.70cm
rec.radio.amateur.bands.vhf
rec.radio.amateur.bands.vhf.125cm
rec.radio.amateur.bands.vhf.125cm.use-it-or-lose-it
rec.radio.amateur.bands.vhf.2m
rec.radio.amateur.bands.vhf.6m
rec.radio.amateur.binaries
rec.radio.amateur.binaries.code-practice
rec.radio.amateur.binaries.mac
rec.radio.amateur.binaries.pc
rec.radio.amateur.classes
rec.radio.amateur.classes.announce
rec.radio.amateur.classes.taking
rec.radio.amateur.classes.teaching

```
rec.radio.amateur.contests
rec.radio.amateur.contests.announce
rec.radio.amateur.contests.cw
rec.radio.amateur.contests.operating
rec.radio.amateur.dx
rec.radio.amateur.dx.further-away
rec.radio.amateur.dx.new-countries
rec.radio.amateur.eme
rec.radio.amateur.eme.skeds
rec.radio.amateur.fcc
rec.radio.amateur.fcc.lawsuits
rec.radio.amateur.fcc.proposals
rec.radio.amateur.fcc.regs
rec.radio.amateur.flame
rec.radio.amateur.flame.counter-flame
rec.radio.amateur.fm
rec.radio.amateur.fm.dx
rec.radio.amateur.fm.repeaters
rec.radio.amateur.fm.repeaters.closed
rec.radio.amateur.fm.repeaters.closed.ctcss
rec.radio.amateur.fm.repeaters.closed.dtmf
rec.radio.amateur.fm.repeaters.controllers
rec.radio.amateur.fm.repeaters.coordinated
rec.radio.amateur.fm.repeaters.open
rec.radio.amateur.fm.yack.yack.yack
rec.radio.amateur.history
rec.radio.amateur.history.spark
rec.radio.amateur.history.tubes
rec.radio.amateur.ht
rec.radio.amateur.ht.batteries
rec.radio.amateur.ht.batteries.nicad
rec.radio.amateur.ht.batteries.nicad.memory
rec.radio.amateur.ht.dropped
rec.radio.amateur.ht.mods
rec.radio.amateur.ht.mods.announce
rec.radio.amateur.ht.mods.out-of-band
rec.radio.amateur.ht.mods.out-of-band.flame
rec.radio.amateur.ht.mods.out-of-band.legal
rec.radio.amateur.ht.mods.repeater
rec.radio.amateur.junk
rec.radio.amateur.license
rec.radio.amateur.license.lost
rec.radio.amateur.license.where-to-buy
rec.radio.amateur.misc
rec.radio.amateur.misc.misc
rec.radio.amateur.morse
rec.radio.amateur.morse.die.die.die
rec.radio.amateur.news
rec.radio.amateur.news.arrl
rec.radio.amateur.news.crrl
rec.radio.amateur.news.groups
rec.radio.amateur.news.rsgb
rec.radio.amateur.nocode
rec.radio.amateur.old-farts
rec.radio.amateur.org
rec.radio.amateur.org.arrl
rec.radio.amateur.org.barf
rec.radio.amateur.packet
rec.radio.amateur.packet.ax25
rec.radio.amateur.packet.high-speed
rec.radio.amateur.packet.legal
rec.radio.amateur.packet.lost
rec.radio.amateur.packet.networks
rec.radio.amateur.packet.networks.announce
rec.radio.amateur.packet.regs
rec.radio.amateur.packet.rose
rec.radio.amateur.packet.rose.addr
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rec.radio.amateur.packet.tcpip.addr
rec.radio.amateur.packet.tcpip.nos
rec.radio.amateur.packet.tcpip.nos.tech
rec.radio.amateur.packet.tech
rec.radio.amateur.packet.yack.yack.yack
rec.radio.amateur.people
rec.radio.amateur.people.fred-maia
rec.radio.amateur.people.phil-karn
rec.radio.amateur.people.wayne-green
rec.radio.amateur.phone-patch
rec.radio.amateur.phone-patch.e911
rec.radio.amateur.phone-patch.e911.help
rec.radio.amateur.phone-patch.pizza
rec.radio.amateur.phone-patch.pizza.anchovy
rec.radio.amateur.phone-patch.pizza.flame
rec.radio.amateur.phone-patch.pizza.flame.burnt
rec.radio.amateur.phone-patch.pizza.tech
rec.radio.amateur.phone-patch.subs
rec.radio.amateur.pileups
rec.radio.amateur.pileups.bondage
rec.radio.amateur.ptt
rec.radio.amateur.ptt.europe
rec.radio.amateur.qro
rec.radio.amateur.qro.exawatt
rec.radio.amateur.qro.gigawatt
rec.radio.amateur.qro.kilowatt
rec.radio.amateur.qro.megawatt
rec.radio.amateur.qro.petawatt
rec.radio.amateur.qro.terawatt
rec.radio.amateur.qrp
rec.radio.amateur.qrp.attowatt
rec.radio.amateur.qrp.femtowatt
rec.radio.amateur.qrp.microwatt
rec.radio.amateur.qrp.milliwatt
rec.radio.amateur.qrp.nanowatt
rec.radio.amateur.qrp.one-watt
rec.radio.amateur.qrp.picowatt
rec.radio.amateur.qst
rec.radio.amateur.qst.arrl
rec.radio.amateur.qst.arrl.w1aw
rec.radio.amateur.qst.old
rec.radio.amateur.regs
rec.radio.amateur.regs.announce
rec.radio.amateur.satellite
rec.radio.amateur.satellite.elements
rec.radio.amateur.satellite.launches
rec.radio.amateur.scanners
rec.radio.amateur.sources
rec.radio.amateur.sources.dsp
rec.radio.amateur.sources.nos
rec.radio.amateur.sources.unix
rec.radio.amateur.spark
rec.radio.amateur.spark.forever
rec.radio.amateur.spark.gaps
rec.radio.amateur.splut
rec.radio.amateur.swap
rec.radio.amateur.swap.antiques
rec.radio.amateur.swap.free
rec.radio.amateur.swap.free.fix-it-yourself
rec.radio.amateur.swap.parts
rec.radio.amateur.swap.parts.unsoldered
rec.radio.amateur.swap.wanted
rec.radio.amateur.swap.wanted.desperate
rec.radio.amateur.swap.wanted.schematics
rec.radio.amateur.swap.you-pay-shipping
rec.radio.amateur.tech
rec.radio.amateur.tech.circuits
rec.radio.amateur.tech.dsp
rec.radio.amateur.tech.dsp.hardware
rec.radio.amateur.tech.dsp.software
rec.radio.amateur.tech.easy
rec.radio.amateur.tech.experiment
rec.radio.amateur.tech.math
rec.radio.amateur.tech.novice
rec.radio.amateur.tech.phd
rec.radio.amateur.tech.theory
rec.radio.amateur.tech.tubes
rec.radio.amateur.tech.tubes.forever
rec.radio.amateur.tests
rec.radio.amateur.tests.announce
rec.radio.amateur.tests.code
rec.radio.amateur.tests.handicap
rec.radio.amateur.tests.questions
rec.radio.amateur.tests.questions.and.answers
rec.radio.amateur.tests.vec
rec.radio.amateur.tv
rec.radio.amateur.tv.fstv
rec.radio.amateur.tv.sstv
rec.radio.amateur.xyl
rec.radio.amateur.yl
rec.radio.amateur.yl.personals
rec.radio.amateur.yl.personals.anonymous

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--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From -3413742047398788637
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5ac17cf9e887b6e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 12:46:55 PST
Path: gmdzi!unido!mcsun!uunet!samsung!know!sdd.hp.com!ucsd!pacbell.com!att!
bellcore!messy!mo
From: mo@messy.bellcore.com (Michael O'Dell)
Newsgroups: rec.ham-radio
Subject: Re: reorganize - do it all now [ :-) ]
Keywords: :-)
Message-ID: <1990Dec12.230155.9275@bellcore.bellcore.com>
Date: 12 Dec 90 23:01:55 GMT
References: <1990Dec12.221550.13435@ux1.cso.uiuc.edu>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: mo@messy.UUCP (Michael O'Dell)
Organization: Center for Chaotic Repeatabilty
Lines: 6
Posted: Thu Dec 13 00:01:55 1990

Yes indeed - adopt Phil Howard's list or die!!!

If we are going to be patently absurd (as is the proposed reorg)
then we might as well do a decent job of it.

     -Mike


From -2751146833632696666
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,817257ef5cc967d8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 12:53:06 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!
hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: WANTED 13.8v 15A Poser Supply.
Message-ID: <1250303@hpnmdla.HP.COM>
Date: 13 Dec 90 20:53:06 GMT
References: <9012111902.AA29264@tilde>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 7
Posted: Thu Dec 13 21:53:06 1990
```

In rec.ham-radio, anderson@skvax1.csc.ti.com (John H. Anderson N5OPY) writes:

>I am looking for a power supply for a TS520S.

Should be in rec.ham-radio.swap

AL N1AL

From -8725356765405088490
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0aaa3358b071a9a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 13:00:38 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!usc!apple!netcom!mojo
From: mojo@netcom.UUCP (Morris Jones)
Newsgroups: rec.ham-radio
Subject: Re: Antenna advice for beginners
Message-ID: <18652@netcom.UUCP>
Date: 12 Dec 90 23:30:35 GMT
References: <1990Dec2.223924.8533@informix.com> <612@ssc.UUCP> <1990Dec12.010833.20857@informix.com>
Organization: Netcom- The Bay Area's Public Access Unix System {408 241-9760 guest}
Lines: 29
Posted: Thu Dec 13 00:30:35 1990

randall@informix.com (Randall Rhea) writes:
>   I read enough books that said "don't bother with
>   the copper stake in the ground" to know better.

I'm curious about this. Am I wasting my time to ground my radio to a copper stake? Why? And ... what about this aluminum "ground wire" that I bought at Radio Shack? Not conductive enough?

I have a 40 meter dipole, full size. Sometime next year I'll convert it to a zepp when I can buy an antenna tuner because I'd love to get on 80 meters. My rig is getting into the VCR in the living room, but not the cable TV line. It does get into my TNC, and causes it to key the PTT on the 2m rig whenever I key the radio. I'd love some suggestions for dealing with these things.

About all I've thought of starting with is (a) grounding the rig, and (b) getting a stack of power line RF filters for the rig and some of the appliances.

Should I not bother with grounding the rig? Is it a waste of time?

Mojo AA4KB
netcom!mojo@apple.com

--

mojo@netcom.UUCP   Site Coordinating Instructor, San Jose South
Morris "Mojo" Jones   Skilled Motorcycling And Rider Training (S.M.A.R.T.)
Campbell, CA   800-675-5559 ... 800-CC-RIDER ... 408-423-2212
AA4KB @ N6LDL.#NOCAL.CA.USA.NA / aa4kb.ampr.org / netcom!mojo@apple.com

From 6527002228610780362
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4228b222f1be4eac,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 13:30:23 PST
Path: gmdzi!unido!mcsun!uunet!know!cs.utexas.edu!rutgers!cmcl2!lanl!stevens@mpx2.lampf.lanl.gov
From: stevens@mpx2.lampf.lanl.gov (Stevens, Thaddeus C.)
Newsgroups: rec.ham-radio
Subject: RE: NEW NOVICE seeks advice on first rig
Keywords: NOVICE
Message-ID: <8761@lanl.gov>
Date: 13 Dec 90 04:54:15 GMT
Sender: news@lanl.gov
Reply-To: stevens@mpx2.lampf.lanl.gov
Organization: LAMPF Data Analysis Center, Los Alamos, New Mexico
Lines: 74
Posted: Thu Dec 13 05:54:15 1990

Ref: netnews e-mail from Jeff...

First of all congradulations !!!!!!!!!

I've found all the advice on rigs posted have been good ones. I'd like to address your antenna quest. A subject of wide variety and considerable controversy, this depends on not only your budget, but also the space at your qth and local zoning rules...The following based on experience:

A. NON-DIRECTIONAL TYPES (mostly)

1.) VERTICALS: Good for DX; need small amount of space for the actual radiating element, but the ones that resonant at 1/4 wave definately need a good ground plane system of at least 1/4 wave. If you figure on a good ground plane that comes out to need a considerable amount of space. Also, just for your info. studies have shown that a ground plane that is elevated above the ground works better than one that is on or below ground level. An alternative is a vertical that resonates at 1/2 wave. I know of one on the market (maybe someone knows another) that is the R5, and it's > $200. Antennas 1/2 wave long are very independent of a ground plane so you would not have to worry about the space problem of a ground plane. Also, the angle of radiation is considerable lower thus providing improved DX possiblities.

2.) DIPOLES / AND OTHER VERSIONS THEREOF: Big point; they are inexpensive and work well. I've tried many types and happen to like the G5RV nonresonant balance fed version. 51 foot legs for 80 to 10 (double that works great for 160 to 10) and 450 ohm open wire balanced feed (see other postings on this antenna). I have made many DX contacts on mine most to Japan and England on 20, 15 and 10 with 25 watts PEP output SSB ! Although you'll need to use an antenna tuner (the Delta-T design works best, you can build on or buy one...MFJ just has just introduce one), its advantage is that you can tune it to resonate the antenna on all bands. Also, the antenna seems to work reasonably well even if the legs are not straight and use of the antenna tuner give you some degree of RFI suppression. And the antenna itself is quite efficient due to the fact that there are no loading coils in the radiating elements, although one does loose some power in the form of heat in the antenna tuner.

B. EXPENSIVE STUFF

1. BEAMS: You could go with a wire type i.e. Rhombic, but you'll need alot of space. Or with a rotatable yagi or quad. You'll find yagis to be easier to tune and better able to survive adverse weather conditions... Well you'll need a tower, best to have it at least 50 feet (big bucks here). All yagis on HF are basically the same. Most have only 10, 15, and 20 mtrs. To get on 30 and 12 mtrs (when you upgrade) would require additional beams. KLM makes some tribanders that tend to be somewhat more efficient due to the fact that they do not use the common loading coil method to resonant the elements. This method gives you a broad resonant passband with steep sides. I mention this because I use this type of loading to resonant the antennas I design and build on 10 mtrs and up...

...In the past I bought all my antennas, but now design and build my own. Yes it takes time, but I like the performance.

enough for now,
Let us know what you end up with...
Gud luck,

Thad   KG5ES

From 7147672815516186318
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2ebf3cfe6211b9f8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 13:34:29 PST

Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: MAJOR SOLAR FLARE ALERT & UPDATED WARNINGS
Message-ID: <901213021910.23800e4b@HG.ULeth.CA>
Date: 13 Dec 90 09:19:10 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 307
Posted: Thu Dec 13 10:19:10 1990

-- MAJOR SOLAR FLARE ALERT --

DECEMBER 12, 1990

Flare Event Summary
Potential Impact Forecast
Revised Prediction Charts
--> Geomagnetic Storm Warning Update <--
--> High Latitude Auroral Storm Warning Update <--

MAJOR ENERGETIC EVENT SUMMARY

An explosive surge of solar activity occurred today. There were a total of eight M-class flares today. Two of these were major energetic events. The largest event was the class M8.9/SF flare which occurred at 14:10 UT on 12 December. This flare originated from Region 6398 at a position of N10W72 and lasted 71 minutes. This region will disappear beyond the west limb tommorrow. No significant bursts or sweep frequency events occurred with this flare.

Region 6399 was by far the most active flare-producer today. It was responsible for five M-class flares today, including the major class M5.1/SF flare which occurred at 08:03 UT on 12 December. This latter event occurred at a position of N20W73 and lasted 57 minutes. No significant radio bursts or sweeps were observed from this event either.

Among one of the M-class events of today was an M1.6/SF flare which also originated from Region 6399. This flare is worthy of note because it was accompanied by a Type II sweep. The flare occurred at 11:12 UT and lasted 36 minutes. The shock velocity of the Type II sweep is estimated at 2000 km/sec.

No significant proton enhancements were observed today, despite the amount of solar activity which has occurred.

A significant drop in the solar flux is anticipated over the next 48 hours as the very active regions in the northwest solar quadrant rotated out of view beyond the west limb. The solar flux is expected to drop by as much as 30 points by 15 December.

As the regions in the northeast rotate out of view, all attention will be shifted to the northeast quadrant where Region 6410 is showing signs of increased flare output. Over the past 24 hours, Region 6410 (N05E32) has rapidly increased in size from 1,320 million square kilometers to 1,830 million square kilometers, an increase of 510 million square kilometers. Area, flare output and sunspot numbers have also increased within this region over the past 24 hours.

Regions 6398, 6399, 6410 and 6412 are all capable of spawning M-class flares. They are also capable of producing isolated major flares. Regions 6398 and 6399 will be out of view on 13 December and will not return to the eastern limb until near 27 December. Regions 6410 and 6412, however, are still in the eastern hemisphere of the sun and will remain in view for quite some time yet.

Region 6412 (old region 6368 which was enormous in size on its last appearance several weeks ago) has retained a great deal of it's size. Today, a significant portion of its old trailer spot complex rotated into view. Hence the size of the region was adjusted accordingly and now stands at 3,870 million square kilometers. The trailer spot region has definitely decayed since it was last observed several weeks ago, but this region is still capable of spawning M-class flares.

The sunspot number has been decreasing steadily over the past 48 hours, due to the rotation of active regions beyond the west limb. At the present time, the sunspot number is 208, but will drop further as the major active centers rotate out of view. Likewise, the x-ray background flux is expected to begin dropping over the next several days from its present C2.1 level.

GEOMAGNETIC STORM WARNING UPDATE

Geomagnetic activity increased notably between 22:00 UT and 24:00 UT on 12 December due to the effects of the major solar flare of 10 December. Activity has remained confined to mostly active levels over middle latitudes. High latitudes have experienced periods of minor storming.

Activity is expected to calm down somewhat on 14 December, but should be followed by another increase of activity due to the major solar flares which occurred today. This second increase of activity is expected to occur on 15 December. Levels of activity should be comparable to the activity experienced today (12/13 December). No significant storming is expected, although periodic minor storming may again recur over high latitudes.

HIGH LATITUDE AURORAL STORM WARNING UPDATE

The auroral storm which was anticipated for high latitudes never reached the intensities anticipated. Significant periods of auroral activity has occurred over the high latitudes, but the activity has been relatively localized. The auroral storm warning has been cancelled for all regions. Localized periods of high auroral activity may still be possible, but such activity will be isolated.

A slight southward expansion of the auroral zone was noted on 13 December, but the expansion was not enough to permit observations from low latitudes. It is expected to return to its normal position over the next 24 hours. However, it may again migrate southward slightly when the effects of today's major flare's reach the earth on 15 December. No significant migration is expected.

The prediction charts have been revised yet again to compensate for the major flare activity which occurred today. The previously revised charts are still valid, but will not be quite as accurate as the following revised charts.

PLANETARY 10-DAY GEOMAGNETIC ACTIVITY OUTLOOK (09 DECEMBER - 18 DECEMBER)

```
    ________________________________________________________________________
   |  EXTREMELY SEVERE |   |   |   |   |   |   |   |   |   |   | VERY HIGH! |
   | VERY SEVERE STORM |   |   |   |   |   |   |   |   |   |   | HIGH       |
   |      SEVERE STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MAJOR STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MINOR STORM |   |   |   |   |   |   |   |   |   |   | LOW        |
   |       VERY ACTIVE |   |   |   |   |** |   | * |   |   |   | NONE - LOW |
   |            ACTIVE |   |   |   |  *|***|   |***|*  |   |   | NONE       |
   |         UNSETTLED |   |   |   | **|***|***|***|***|* *|***| NONE       |
   |             QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |        VERY QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |-------------------|---|---|---|---|---|---|---|---|---|---|------------|
   | Geomagnetic Field |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|  Anomaly   |
   |    Conditions     |       Given in 8-hour intervals       | Intensity  |
   |________________________________________________________________________|
```

HF RADIO SIGNAL PROPAGATION PREDICTIONS (09 DECEMBER - 18 DECEMBER)

High Latitude Paths

```
 _________________________________________________________
| EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
|      VERY GOOD |   |   |   |   |   |   |   |   |   |   |
|           GOOD |  *|  *|*  |   |   |   |   |   |   |   |
|           FAIR |** |** | **|*  |   |  *|   |  *|* *|* *|
|           POOR |   |   |   | * |  *|** |* *|** | * | * |
|      VERY POOR |   |   |   |  *|** |   | * |   |   |   |
| EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
|----------------|---|---|---|---|---|---|---|---|---|---|
|  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
|    QUALITY     |     Given in 8-Hour UT Intervals      |
 ---------------------------------------------------------
```

Middle Latitude Paths

```
 _________________________________________________________
| EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
|      VERY GOOD |***|***|***|   |   |   |   |   |   |   |
|           GOOD |   |   |   |*  |   |  *|   |  *|***|* *|
           |           FAIR |   |   |   | **|  *|** |* *|** |   | * |
           |           POOR |   |   |   |   |** |   | * |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------

                                Low Latitude Paths

            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |***|***|***|   |   |   |   |   |   |   |
           |           GOOD |   |   |   |** |  *|* *|  *|* *|***|***|
           |           FAIR |   |   |   |  *|** | * |** | * |   |   |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------

NOTES:
       High latitudes >= 55       degree's north latitude
     Middle latitudes >= 40 < 55  degree's north latitude
        Low latitudes  < 40       degree's north latitude



POTENTIAL VHF DX PROPAGATION PREDICTIONS (09 DECEMBER - 18 DECEMBER)
   INCLUDES SID AND AURORAL BACKSCATTER ENHANCEMENT PREDICTIONS

                   HIGH LATITUDES

 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   |   |   |   |   |   |   |   | 20%|*|*|*|*|*|*|*|*|*|*|
|    NORMAL|***|***|***|** | **|** | * |***|***|* *| 40%| | | | | | | | | | |
|BELOW NORM|   |   |   |  *|*  |  *|* *|   |   | * | 60%| | | | | | | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |  *|*  |   |   |   |   |   | 60%| | | |*| | | | | | |
|      40% |   |   |   | **|* *|  *|* *|   |* *|* *| 40%| | | |*|*| |*|*| |*|
|      20% | **| **| **|***|***|***|***|***|***|***| 20%| | |*|*|*|*|*|*|*|*|
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |     |AURORAL BACKSCATTER|
|__________|_______________________________________|     |___________________|


                  MIDDLE LATITUDES
 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |     |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|     |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|     |-|-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM| * | * | * |   |   |   |   |   |   |   | 20%|*|*|*|*|*|*|*|*|*|*|
|    NORMAL|* *|* *|* *|** | **|** | **|***|* *|* *| 40%|*|*|*|*|*|*|*|*|*|*|
|BELOW NORM|   |   |   |  *|*  |  *|*  |   | * | * | 60%|*|*|*|*|*|*| | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|     |-------------------|
|      100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|       80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|       60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|       40% | * | * | **| **|***| **|*  |   |   |   | 40%| | | |*|*| |*| | | |
|       20% | **| **| **|***|***|***|***|***|***|***| 20%| | |*|*|*|*|*|*|*|*|
|        0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|     |-|-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|     |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |     |AURORAL BACKSCATTER|
|__________|_______________________________________|     |___________________|

                    LOW LATITUDES
 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |     |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|     |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|     |-|-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM| * | * | * |   |   |   |   |   |   |   | 20%|*|*|*|*|*|*|*|*|*|*|
|    NORMAL|* *|* *|* *|***|***|***|***|***|***|***| 40%|*|*|*|*|*|*|*|*|*|*|
|BELOW NORM|   |   |   |   |   |   |   |   |   |   | 60%|*|*|*|*|*|*| | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|     |-------------------|
|      100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|       80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|       60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|       40% | * | * | * | **|** | * | * | * | * | * | 40%| | | | | | | | | | |
|       20% | **| **| **|***|***| **|***|***| **| **| 20%| | | | | | |*| | | |
|        0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|     |-|-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|     |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |     |AURORAL BACKSCATTER|
|__________|_______________________________________|     |___________________|
```

NOTES:

These VHF DX prediction charts are defined for the 50 MHz to 220 MHz bands. They are based primarily on phenomena which can affect VHF DX propagation globally. They should be used only as a guide to potential DX conditions on VHF bands. Latitudinal boundaries are the same as those for the HF predictions charts. For more information, request the document "Understanding Solar Terrestrial Reports" from: "std_oler@hg.uleth.ca".

AURORAL ACTIVITY PREDICTIONS (09 DECEMBER - 18 DECEMBER)

```
                            High Latitude Locations
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   | * |   |   |   |   |   |   |
           |       MODERATE |   |   |   |***| * |   |***| * |   | * |
           |            LOW |   |   |***|***|***|***|***|***|***|***|
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------

                          Middle Latitude Locations
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   |   |   |   |   |   |   |   |
           |       MODERATE |   |   |   | * |   |   | * |   |   |   |
           |            LOW |   |   |   |***| * | * |***|***| * |***|
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------

                             Low Latitude Locations
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   |   |   |   |   |   |   |   |
           |       MODERATE |   |   |   |   |   |   |   |   |   |   |
           |            LOW |   |   |   |   |   |   |   |   |   |   |
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------
```

NOTE:
For more information regarding these charts, send a request for the document, "Understanding Solar Terrestrial Reports" to: std_oler@hg.uleth.ca.

** End of Report **

```
From -5703477049351079898
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5c7f70ec12eeea7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 13:35:03 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!sdd.hp.com!hplabs!hpl-opus!
hpspdra!henryb
From: henryb@hpspdra.HP.COM (Henry Black)
Newsgroups: rec.ham-radio
Subject: Re: UK-->US ham license
Message-ID: <12280030@hpspdra.HP.COM>
Date: 13 Dec 90 00:14:25 GMT
References: <34435@netnews.upenn.edu>
Organization: HP Stanford Park - Palo Alto, CA
Lines: 28
Posted: Thu Dec 13 01:14:25 1990

lewis@pender.ee.upenn.edu (Niclas H. Lewis) writes:
>I was wondering what procedures one has to go through to obtain a
>US amateur radio license.  I currently have a class A license (GW4WFX) in
                                                       ^^^^^^^
                                     Make that class A licence if it's British.
>Britain but will be in the US for a number of years where I am at grad.
>school.  Can I just get a reciprocal license or do I have to subject myself
>to some other procedure.......??????

Strictly there's no reciprocal license, just a reciprocal operating permit,
that lets you operate your British station in the US.  Just get form 610A
from the FCC and return it with a copy of your licence. They send you
your permit in a couple of weeks (much faster than getting a US license).
It's good for one year, so repeat this procedure annually.  You can't
get a permit if you become a U.S. citizen or hold a U.S. license.
The downside is that you are bound by the terms of your own licence and
also the U.S. extra class license, so in theory you can operate Stateside
between 144 and 146MHz, but not between 146 and 148MHz, and not on
222MHz at all.    In practice no-one cares.  And the subset of the two
sets of regs. for packet would take a civil servant to untangle.  Anyway
you'll find that tnc2's don't understand reciprocal callsigns (GW4WFX/W3) :-(
So your best course is to get a 610A permit to get on the air, then start
working for your US license (much easier to get than a British licence).
But be careful, if you fail the 13wpm code test, do not take the 5wpm test
or you could end up with fewer priviledges than the 610A gives you.   73.
-------------------------------------------------------------------------
Henry Black  G4NOC, KK6JR   +1 415 857 6655
Purely my views, unless HP can make money out of them.
```

```
From -2345587531733920670
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e5f47581d5f63505
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1990-12-13 14:42:02 PST
Path: gmdzi!unido!mcsun!uunet!know!cs.utexas.edu!usc!julius.cs.uiuc.edu!wuarchive!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: A Wonderous Electronics beference book
Message-ID: <1250299@hpnmdla.HP.COM>
Date: 13 Dec 90 01:26:24 GMT
References: <1990Dec10.152326.18542@bellcore.bellcore.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 12
Posted: Thu Dec 13 02:26:24 1990

In rec.ham-radio, dave@PRC.Unisys.COM (David Lee Matuszek) writes:

>>>The Art of Electronics (Second Edition),
>>>Paul Horowitz and Winfield Hill

>How much does it cost?

My local bookstore is ordering me a copy for $55.69. About normal for
a 1100-page technical book.

AL N1AL

From 2194533055223921827
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 15:09:16 PST
Path: gmdzi!unido!mcsun!uunet!olivea!mintaka!snorkelwacker.mit.edu!apple!usc!julius.cs.uiuc.edu!wuarchive!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Internet-Packet Reply (LONG!)
Message-ID: <1250300@hpnmdla.HP.COM>
Date: 13 Dec 90 01:33:22 GMT
References: <688.27612B49@w8grt.fidonet.org>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 15
Posted: Thu Dec 13 02:33:22 1990

In rec.ham-radio, tad@ssc.UUCP (Tad Cook) writes:

>What about repeaters that have a burglar alarm to indicate on the air
>when an intruder has entered the area? Would this be illegal, because
>like the caller on the phone, the intruder might not be a licensed ham?

Any telemetry transmitter must have a control operator. I'm not sure if
"automatic control" is legal for telemetry. In the case mentioned above,

you could probably justify it as an "emergency" transmission. (It must be an emergency if there's an intruder).

I'm as good an armchair lawyer as anybody else! :-)

AL N1AL

From 3058374161187746335
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d5ce4b29af6a06a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 15:27:15 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!news-server.csri.toronto.edu!cs.utexas.edu!samsung!sol.ctr.columbia.edu!emory!wuarchive!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: need antenna information
Message-ID: <1250298@hpnmdla.HP.COM>
Date: 13 Dec 90 01:18:37 GMT
References: <48002@sequent.UUCP>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 21
Posted: Thu Dec 13 02:18:37 1990

In rec.ham-radio, ken@swbatl.sbc.com (Ken Gianino 5-9081) writes:

> Amateurs seem to have a total lack of interest in broadband HF antennas
> and matchers...
> [We use] broadband delta loop antennas ... with
> 10:1 baluns inserted at the center of the base and at the apex. You
> feed the loop with 50 Ohm line at the base and the top balun has 50 Ohm
> cable fed back down to a dummy load. The SWR is flat enough from 2 to 9 MHz
> to satisfy our 1 KW solid state linears. I realize that there is a couple
> S-unit penalty, but given the difficulties of erecting an efficient
> 80m dipole on a small lot, it seems worth a try.

This sounds like a small terminated rhombic. I believe the loss is on the order of 3 dB (half an S-unit.)

> Maxcom took a lot of flack from QST about their matchers a few years back.

The Maxcom unit is little more than a resistive attenuator between radio and antenna. The loss is undoubtedly a lot more than 3 dB.

AL N1AL

From 6421938238083282592
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b39b51f887746cb6
X-Google-Attributes: gid10c9e3,public

```
X-Google-ArrivalTime: 1990-12-13 15:38:36 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!sdd.hp.com!
hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: 10 meter rig recommendation?
Message-ID: <1250297@hpnmdla.HP.COM>
Date: 13 Dec 90 01:10:44 GMT
References: <1990Dec5.212046.11491@midway.uchicago.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 30
Posted: Thu Dec 13 02:10:44 1990

In rec.ham-radio, vodall@hpfcso.HP.COM (Bill Vodall) writes:

>>Also, someone posted an article on how to make your modified ham rig
>>resemble a legal CB on the air.  Had some useful information on
>>microphones and other things.  I would appreciate a copy of that
>>information if someone has kept it.  (My goal is to keep a low profile
>>if I do choose to modify a ham rig.)

...
>Another option, which could actually help you upgrade, is perfectly legal and
>lots of fun.  You already have CW privileges on 80, 40 and 15, of which 80 and
>40 will both be open most of the night.  Why not try CW?  You'll be on the
>air, the miles will pass faster and your code speed will increase.  Even better,
>a mobile CW signal will work much better than a SSB signal for the same
>power due to the lousy mobile antenna systems.

>Also, while it's possible to modify a ham rig for CB use, the reverse is both
>possible and legal.  The addition of some extra crystals or other frequency
>generation magic will put a CB on 10.  Thus giving you a single rig that
>works for both bands. Some folks may say that a CB set with added frequency
>range is no longer legal on CB - but, if done carefully, it sure isn't going
>to hurt anything.

I agree with the comment about using CW.  It is definitely illegal to modify
a ham rig to operate on CB as the radio is not type-accepted for that service.
I also believe that modifying a CB to work on the ham bands would invalidate
its type acceptance for CB, even if CB performance were unaffected.  But I
won't tell if you won't.

AL N1AL


From -7324720967692341566
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0aaa3358b071a9a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 18:37:22 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
```

```
Subject: Re: Antenna advice for beginners
Message-ID: <1990Dec14.023722.24853@informix.com>
Date: 14 Dec 90 02:37:22 GMT
References: <612@ssc.UUCP> <1990Dec12.010833.20857@informix.com>
<18652@netcom.UUCP>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 23

In article <18652@netcom.UUCP> mojo@netcom.UUCP (Morris Jones) writes:
>randall@informix.com (Randall Rhea) writes:
>>                     I read enough books that said "don't bother with
>>         the copper stake in the ground" to know better.
>
>I'm curious about this.  Am I wasting my time to ground my radio to
>a copper stake?  Why?  And ... what about this aluminum "ground wire"
>that I bought at Radio Shack?  Not conductive enough?

A distinction should be made betweed RADIO ground and ELECTRICAL ground.
You stake-in-the-ground may work OK for electrical ground, which is
necessary.  For radio ground, though, it's useless, unless you live
next to a salt marsh or something.  Fortunately, you are using a
center-fed antenna, which does not require a good radio ground.

If you use a end-fed antenna, (like a long wire or a 1/4 wave vertical)
you need a good radio ground.

--

=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                          Informix Software, Inc.
Senior Programmer/Analyst, MIS                    uunet!pyramid!infmx!randall


From 8903948633389953787
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10cfc2c9d120d5f3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,10cfc2c9d120d5f3
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-13 19:27:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!olivea!sun-barr!newstop!texsun!csccat!adept!
alan
From: alan@adept.UUCP (Alan Ruffer)
Newsgroups: rec.ham-radio,news.groups
Subject: Re: Call for Discussion, pass two: reorganization of rec.ham-radio.*
Message-ID: <345@adept.UUCP>
Date: 14 Dec 90 03:27:00 GMT
References: <1990Dec12.224425.5826@jafus.mi.org>
Reply-To: alan@adept.UUCP (Alan Ruffer)
Followup-To: rec.ham-radio
Organization: Perfect Partners Inc., Sulphur, LA
Lines: 25
```

```
Xref: gmdzi rec.ham-radio:17911 news.groups:23616
```

In article <1990Dec12.224425.5826@jafus.mi.org> eddy@jafus.mi.org (Eddy J. Gurney) writes:
>I agree completely the name should remain "ham" and _NOT_ be
>changed to "amateur." Ham is VERY widely recognized; I can't
>tell you the number of times I've said "That's an amateur radio
>license plate" and they say something like, "Isn't that the same
>as ham radio?" Plus, to the average Joe Blow who is wading

For everytime you have been asked the above question, down south I've gotten
the reply, "OH you mean CB!" And what follows is an attempt to explain
the difference between the two services...
It needs to be changed, not just because of regional perceptions which vary,
but because of international recognition.

>Keep it "ham." Definitely.

I disagree. It should be changed to amateur. What does your license say?
It says amateur, not ham.

```
+---------------------------------------------------------------------------+
| Alan R. Ruffer      UUCP: {csccat,chinacat!holston}!adept!alan           |
| Route 1, Box 1745   Amateur Radio Station WB5FKH                         |
| Sulphur, LA 70663   BBS: (318) 527-6667, 19200(PEP)/9600(V.32)/2400/1200 |
|                                                                           |
| "A witty saying proves nothing." -- Voltaire                              |
+---------------------------------------------------------------------------+
```

```
From -7333818433175183155
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-13 20:04:29 PST
Path: gmdzi!unido!mcsun!uunet!olivea!samsung!cs.utexas.edu!sun-barr!newstop!
texsun!csccat!adept!alan
From: alan@adept.UUCP (Alan Ruffer)
Newsgroups: rec.ham-radio,news.groups
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <346@adept.UUCP>
Date: 14 Dec 90 04:04:29 GMT
References: <734.2764FD1F@w8grt.fidonet.org>
Reply-To: alan@adept.UUCP (Alan Ruffer)
Followup-To: rec.ham-radio
Organization: Perfect Partners Inc., Sulphur, LA
Lines: 32
Xref: gmdzi rec.ham-radio:17910 news.groups:23615
```

In article <734.2764FD1F@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

>
>Whether it's 'progress' or not is truly beside the point. "Ham Radio" is our
>traditional pet name for our hobby, and changing our hobby, especially
>changing its name, to fit the needs of an external medium we use to discuss
>it is to let the tail wag the dog. Sure we could do that, but the only ones
>who would want to are the ones whose hobby is 'newsgrouping' rather than
>'hamming'.

I guess your license says ham on it? Hmmm, funny mine doesn't, it says
Amateur. I don't think the discussion had anything to do with dogs. 8-)
A tree must bend with the wind or BREAK. So too we must be flexible, in our
choices, when having to deal with a medium external to our usual pusuits.
I'm somewhat at a loss to understand who gave you charge of defining
for others what their hobbys may or my not be though...

>Law: If it ain't broke, don't fix it.

This should be applied wherever possible. The problem is things are not
right or there never would have been a call for reorganization.
>
>Corollary: Even if it's broke, I like it that way.
>
This is a refuge for those without the initiative to make things better.

```
+--------------------------------------------------------------------------+
| Alan R. Ruffer      UUCP: {csccat,chinacat!holston}!adept!alan           |
| Route 1, Box 1745   Amateur Radio Station WB5FKH                         |
| Sulphur, LA 70663   BBS: (318) 527-6667, 19200(PEP)/9600(V.32)/2400/1200 |
|                                                                          |
| "A witty saying proves nothing." -- Voltaire                             |
+--------------------------------------------------------------------------+
```

From -6494922439233138849
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a502a0e0ca9b4707
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 21:10:47 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!apple!agate!shelby!unix!hplabs!hpcc05!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Re: NEW NOVICE Seeks advice on first rig.
Message-ID: <27080042@col.hp.com>
Date: 14 Dec 90 05:10:47 GMT
References: <10183@bunny.GTE.COM>
Organization: HP Colorado Springs Division
Lines: 49

>/ col:rec.ham-radio / jp10@GTE.COM (Jeffrey Perry) / 11:30 am Dec 10, 1990 /
>
> I just passed my novice test Dec 1 ! I am now working on my Tech!
>

> I would greatly appreciate any advice an recommendations on setting up my
> shack, and purchasing radios and attennas. I plan on making my own antennas

> ? If not, would it be cheaper to get a ham bands only transceiver? Looks like
> I need an allmode all band HF rig. Any recommendations? Someone recommended
> the ICOM 735. Comments? How much would it cost used? Any other recommended
> brands or models? I am CS major that tends to like features and "gadgets"
> I think my personal preference would be an LCD display for the frequency, but
> I am told that it is sometimes better to get an analog tune.
>

Welcome to amateur radio!

My opinions (worth slightly more than you paid for them):

- Don't worry about 'analog' displays of frequency. The digital are quite good and plenty fine enough resolution.
- I think the "major brands" are all OK: namely Kenwood, ICOM, Yaesu (Ten Tec is probably OK too, but I don't have any experience with them.) I tend to prefer Kenwood and ICOM over Yaesu, but I can't really support that with hard data.
- It sounds to me like you may be price sensitive. If so, then you should look around for a used rig. If so, that means you should probably pay more attention to the condition of the rig and the price than the particular bells and whistles.
- If you are not so price sensitive, then I would check out the latest and greatest stuff, preferably at a local ham store.
- Consider the cost of the extras. With solid state output circuitry (which virtually all the new rigs have) you will probably need an antenna tuner. You will need a power supply, CW filter, maybe a desk mic. All this stuff adds up -- on a used deal it may get thrown in at low cost.
- I think you are on the right track with antennas. Put up a dipole or something to get you started. Low cost, reasonable performance.

Send me some E-mail if you have more questions.

```
--------------------------------------------------------------------
Bob Witte              HP Colorado Springs Division
bobw@col.hp.com        P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO  80901
Radio: KB0CY
"There is no such thing as ground."
--------------------------------------------------------------------
```

```
From 31943910384686392
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae048f33ca952844,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 23:17:31 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
```

From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: FCC Rumor -- (But what if it is true?)
Message-ID: <742.276762D0@w8grt.fidonet.org>
Date: 13 Dec 90 14:35:10 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 47
Posted: Thu Dec 13 15:35:10 1990

> From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
> Date: 13 Dec 90 03:00:07 GMT
> Organization: University of Illinois at Urbana
> Message-ID: <1990Dec13.030007.3701@ux1.cso.uiuc.edu>
> Newsgroups: rec.ham-radio
>
> yetsko@interlan.interlan.com (Mike Yetsko) writes:
>
> >I don't want this to sound too pissy, but if the FCC waives high speed
> >code requirements for handicapped individuals, I will complain, I will
> >fight, I will scream, until they waive it for EVERYBODY.
>
> >Now, before I have to put on my asbestos jock for that kick you know where,
> >I will support teh FCC decision if they MODIFY the testing requirements
> >for handicapped HAM radio operators so as to allow them to show their
> >skill at higher speed CW in a form that can work within their handicap.
>
> Not all means to receive CW are equal in terms of the speed.
>
> First of all there is NO REASON to restrict frequencies on the basis of
> code speed proficiency EXCEPT to keep the HF bands from becoming like
> the CB band (the SSB portion of 80 and 20 already are).

It should be totally obvious by now that this is a failure. The code test has NOT prevented 80 and 20 from becoming like CB. Indeed, on the basis of what happens on the air these days and on the basis of the truly bizarre statements by code testing advocates, I have come to the conclusion the learning Morse code produces brain damage. The more highly proficient one becomes, the more unmistakeably deranged the behavior he exhibits.

There is no doubt in my mind that all Morse code products (keyers, computerized code teaching programs, etc.) should not be permitted to be sold or otherwise distributed without warning labels by the surgeon general. In fact, it may even become necessary to declare Morse code as a controlled procedure for which a doctor's prescription is required and which can be administered only by registered therapists.

It seems reasonable that a few generations from now, this communications technique will be looked back on by our descendants is being part of the primitive behavior period of history which included medical treatment by leeches, bloodletting, and surgery performed by barbers.

--

```
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org


From 3002883283239948172
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,58cc718327f58ae9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-13 23:18:19 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: TOR information wanted
Message-ID: <743.276762D5@w8grt.fidonet.org>
Date: 13 Dec 90 14:40:55 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 42
Posted: Thu Dec 13 15:40:55 1990


 > From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
 > Date: 12 Dec 90 03:09:27 GMT
 > Organization: FidoNet node 1:260/218 - NF2G Online, Greece NY
 > Message-ID: <219.27667FAD@rochgte.FIDONET.ORG>
 > Newsgroups: rec.radio.shortwave
 >
 >
 >  > From: dan@heimat.UUCP (Dan 'Sneakers' Schein)
 >  > Date: 4 Dec 90 06:40:15 GMT
 >  >
 >  >    What are the various forms of TOR. I read of Amtor, Sitor, different
 >  >    modes of Sitor, ARQ, FEC, etc....  If im making sense of what I read
 >  >    these all boil down to only two modes. If you can explain what the
 >  >    differences are (or what ones are actually the same), please send
 >  >    me some mail (or post if you think others are as confused as I).
 >
 >       SITOR Mode A is what we commonly call ARQ.  It involves the
 > sending station transmitting the text in three-character blocks.  The
 > receiving station either acknowledges each block or asks for a missed
 > block to be resent.  This is the mode that sounds like chirping birds.
 >       SITOR Mode B is referred to as FEC.  This is more of a
 > "broadcast" mode, in that the sending and receiving stations do not
 > have to be "connected" with each other.  There are no acknowledgments
 > or requests for retransmission sent from the receiving station(s).
 > Instead, the sender transmits redundant characters in the text and the
 > receiver looks for a majority rule to select the correct character.
 > This mode sounds a lot like a Baudot station sending RYRYRY at 75
 > baud.  It is a more even sound than Baudot.
 >       There are also various ARQ modes, like ARQ-E and ARQ-E3.  I
 > would have to brush up on the details of these, but at least one of
 > them is for full duplex circuits.
 >       Clear as mud?  ;-)
```

If it is still unclear, the 'official' descriptions of 'TOR (which was originally invented by the Phillips Co. for the Dutch post office for maritime telex use) can by found in the ITU's CCITT Recommendation #476.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -1207758659702159475
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5c7f70ec12eeea7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-14 00:25:21 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!porthos!cellar!martin
From: martin@cellar.uucp (Martin Harriss (ACP))
Newsgroups: rec.ham-radio
Subject: Re: UK-->US ham license
Message-ID: <1990Dec13.162450.16530@porthos.cc.bellcore.com>
Date: 13 Dec 90 16:24:50 GMT
References: <34435@netnews.upenn.edu> <12280030@hpspdra.HP.COM>
Sender: @porthos.cc.bellcore.com
Reply-To: martin@cellar.UUCP (Martin Harriss (ACP))
Organization: Bellcore
Lines: 29
Posted: Thu Dec 13 17:24:50 1990

```
In article <12280030@hpspdra.HP.COM> henryb@hpspdra.HP.COM (Henry Black) writes:
>lewis@pender.ee.upenn.edu (Niclas H. Lewis) writes:
>>I was wondering what procedures one has to go through to obtain a
>>US amateur radio license.  I currently have a class A license (GW4WFX) in
>                                                       ^^^^^^^
>                                     Make that class A licence if it's British.
>>Britain but will be in the US for a number of years where I am at grad.
>>school.  Can I just get a reciprocal license or do I have to subject myself
>>to some other procedure.......??????

>Just get form 610A
>from the FCC and return it with a copy of your licence. They send you
>your permit in a couple of weeks (much faster than getting a US license).
```

I would like to add to this. Since UK licences are renewed every year, and a fee is paid, the FCC needs proof that your ticket is current. When I first looked into this, about 10 years ago, I was told that I would have to send the receipt for the fee I paid for the UK licence along with the form 610A. It used to be that you only got a renewal receipt if you specifically asked for it at the time of renewal.

In the end I found it so easy to get a US license that I just went ahead and did it.

As I said, this was a long time ago, so check the current regs.
Does one still pay anually in the UK? How much is it now?

Martin Harriss KB2JYZ, formerly G8RDF
martin@cellar.bae.bellcore.com

From 2082404521999378236
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6250390c3acd97b8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 15:21:49 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!cmcl2!lanl!hgm
From: hgm@lanl.gov (Harry McGavran)
Newsgroups: rec.ham-radio
Subject: How do I mount this feedline?
Keywords: Ladder-Line Open-Wire Stand-Offs
Message-ID: <8604@lanl.gov>
Date: 11 Dec 90 23:21:49 GMT
Organization: Los Alamos Natl Lab, Los Alamos, N.M.
Lines: 15
Posted: Wed Dec 12 00:21:49 1990

Does anyone have suggestions for the best ways of mounting
ladder-line along the side of a building. In this case,
the ladder-line line is really the twin lead type that is nearly
and inch wide and has windows cut into it every few inches.
Some type of stand-off insulated mounting is what's needed here.
Hopefully someone has been through this problem before and
will have a clever suggestion or two.

Thanks for any help. 73,

Harry McGavran, W5PNY
hgm@lanl.gov

From 7090320686210740439
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49417b20e4629d52,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 15:25:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!mit-eddie!bloom-beacon!deccrl!
news.crl.dec.com!pa.dec.com!shodha.enet.dec.com!levers.enet.dec.com!b_egan
From: b_egan@levers.enet.dec.com (Bob Egan)
Newsgroups: rec.ham-radio
Subject: Anybody in New England confirm sarex or voice qso ?
Message-ID: <2122@shodha.enet.dec.com>
Date: 11 Dec 90 06:48:38 GMT
Sender: news@shodha.enet.dec.com

Organization: Digital Equipment Corporation
Lines: 19
Posted: Tue Dec 11 07:48:38 1990

Except for possibly 1 evening, around 2am, I do not remember the
shuttle get much above 6 degrees elevation in N.E.

I think ? I heard voice during one fo the Saturday night passes..(I
was at a party...1/2 listing to a scanner :)...but
did not copy anything voice or otherwise substantial w/ R7000 and
22 elements pointed on several passess.

I did hear *several* voice and "paketteers" transmitting on
the primary group 1 up-link freq.'s..

Sooooo..is New ENgland got anybody "offical" ... ??

Bob Egan b_egan@levers.enet.dec.com
/N1BAQ   --or-- ...!decwrl!levers.enet.dec.com!b_egan
          --or-- b_egan%levers.dec@decwrl.dec.com

From 5425071383905847203
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 16:08:43 PST
Path: gmdzi!unido!mcsun!uunet!europa.asd.contel.com!noc.sura.net!haven!ames!rex!samsung!zaphod.mps.ohio-state.edu!rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <99H2T8w163w@phoenix.com>
Date: 12 Dec 90 00:08:43 GMT
References: <730.2764E62F@w8grt.fidonet.org>
Organization: One Man Brand
Lines: 19
Posted: Wed Dec 12 01:08:43 1990

jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

> > From: emcguire@ccad.uiowa.edu (Ed McGuire)
> >
> > Just curious. How widely understood is "ham" outside of the U.S.?
> > Outside of English speaking countries? Among non-hams in those
> > countries?
>
> Err, isn't that academic, considering r.h-r is in English anyway?

No. My dictionary (something a non-speaker might use to look up words) gives a radio oriented definition for "ham", but nothing about radio for "amateur". So, looking up "ham radio" would give the correct answer, while looking up "amateur" would leave the poor fellow scratching his head.

However, it is claimed that renaming the group to r.r.a would make it easier to find. This leaves me scracthing my head along with the other fellow.

From -7440660147304191293
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0aaa3358b071a9a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 17:08:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!sdd.hp.com!hplabs!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Antenna advice for beginners
Message-ID: <1990Dec12.010833.20857@informix.com>
Date: 12 Dec 90 01:08:33 GMT
References: <12280029@hpspdra.HP.COM> <1990Dec2.223924.8533@informix.com> <612@ssc.UUCP>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 70
Posted: Wed Dec 12 02:08:33 1990

I have done quite a lot of experiments with HF antennas recently. I had these constraints:

1) I live in a townhouse, so antennas are not "allowed". The antenna had to be invisible, or at least not conspicuous.

2) Any wire antenna could be at most 50 feet long. (80 feet long if I put part of it in a tree.)

3) Forget about having access to a radio ground. My room is on the 2nd floor. I read enough books that said "don't bother with the copper stake in the ground" to know better.

I tried these antennas:

1. END-FED LONG WIRE IN A TREE. If you absolutely can't put anything on the roof, this may be the best option. It works pretty well, provided that it is really long. I started with a 25-foot wire; this did not work very well on 80m and 40m, and TVI problems on 10m were horrible. Winding it around my room and then out the window to the tree (100 feet) worked better. The problem is that it requires a radio ground, and of course an antenna tuner. I had some success with the MFJ artificial RF ground and a 20-foot wire on the floor. Also, it must be installed at night. (Unless you have neighbors that aren't suspicious of a guy throwing a wire-tied stone into a tree.)

2. ZEPP. The grand champion. I highly recommend it, as does the "Wire Antennas" book that the ARRL sells. I bought 25 feet of the regular Radio Shack pole mast and 8 feet of plastic pipe. (That makes 33 feet ... just barely above the roof line.) I spray-painted the pipe sky blue, which makes it almost invisible during the day. (at night, of course, you can't see it anyway) I bought 80 feet of sky-blue insulated 18-guage wire and cut it into two 40-ft pieces. One piece was stretched to just barely clear the chimney and go down the other side of the roof, and the other piece Went down the roof and into a tree. (This is why I used insulated wire.) The pieces were attached to the mast and fed with 450-ohm ladder line. (I originally tried 300-ohm TV twin lead, but performance was not good.) The mast went up the side of the townhouse, as anchored to the ground using the Radio Shack ground mount, and "guyed" using my window sill. The result: fantastic! I'm finally able to work 80 meters! Also, its performance on 10 meters is better than the verticals I tried. It's also almost invisible. Can't beat that, huh? Of course, you need an antenna tuner, but you don't need a good radio ground.

3. VERTICALS: Pretty disappointing. I couldn't get them up high enough. They were also too visible. They also weren't long enough to work 80 and 40. The reception on them was noisier too. My attempts at building a 5/8 wave vertical for 10 meters were not exactly fruitful.

4. DIPOLES: I could have installed a coax-fed dipole in the same way I installed the Zepp, but why? The Zepp works on all the HF bands.

5. "L" ANTENNAS AND FOLDED MARCONIS: No success. The Zepp still outperformed them. I actually had illusions of working 160 meters. With my MFJ artificial ground and half of my Zepp fed as a long wire, I could theoretically work 160, but it's still not long enough. I hear that a helically-wound vertical may work for 160 ... but I'm not sure if it's worth the try.

In conclusion, the Zepp is a great antenna! Someday, if I ever win the lottery, I'll buy a big estate and put up rhombic long-wire antennas.

=-=
Randall Rhea   Informix Software, Inc.
KK6MY   uunet!pyramid!infmx!randall
--

=-=
Randall Rhea   Informix Software, Inc.
Senior Programmer/Analyst, MIS   uunet!pyramid!infmx!randall

From 7881240498447055119
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10cfc2c9d120d5f3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,10cfc2c9d120d5f3

X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-11 17:24:15 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!ccad.uiowa.edu!emcguire
From: emcguire@ccad.uiowa.edu (Ed McGuire)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: Call for Discussion, pass two: reorganization of rec.ham-radio.*
Message-ID: <1990Dec12.012415.10926@ccad.uiowa.edu>
Date: 12 Dec 90 01:24:15 GMT
References: <4449@lib.tmc.edu>
Organization: Sequential Stream_Of_Consciousness
Lines: 60
Xref: gmdzi news.groups:23535 rec.ham-radio:17777
Posted: Wed Dec 12 02:24:15 1990

In article <4449@lib.tmc.edu> jmaynard@thesis1.hsch.utexas.edu (Jay Maynard) writes:

> RATIONALE:
> ==========
> 2. Why .amateur instead of .ham? It has been pointed out in discussion that "ham radio" is primarily an American term, and carries little meaning outside the US.

When this question was first raised, I agreed that this was a reasonable issue to consider. But I haven't seen a consensus that it's true. I've gotten private mail from Australia, for instance, which supports the continued use of "ham." I'd like to hear from a few non-English-speaking countries before a change is made.

> In addition, there are negative connotations attached to "ham" that don't apply to "amateur". Some confusion also exists in the public mind about just what a "ham radio operator" is, as evidenced by the occasional "ham operator jams aircraft frequencies!" when the person in question has never been a licensed amateur radio operator.

By this argument, "ham" is better than "amateur." Any non-professional radio operator (pirate or not) is an amateur, by definition. If more people know "ham" to mean "licensed amateur radio operator," then "ham" better describes the intended audience for the group.

> OPEN ISSUES:
> ============
> 1. rec.radio.amateur or rec.radio.amateur.misc? Both have been proposed, and I don't have a strong preference either way. The final proposal will reflect whatever the consensus of the discussion is.

I favor the former. I understand that ".misc" has caught on as a way to lessen cross posting. Nonetheless, modern news readers only display cross posted articles once, and cross posted articles don't cost more except where the news software was implemented inefficiently using multiple copies of articles instead of links to articles.

Aside from the cross posting issue, the shorter name is "obviously" a better name.

And the ".misc" convention hasn't worked as well as we would have liked. Look at what happened to soc.culture.misc. Instead of attracting general discussion, it has actually repelled discussion. The various ethnic groups that would have used soc.culture objected to being "relegated" to a "miscellaneous" group, and ended up creating a bunch of splinter groups. The ".misc" group has less traffic than any of the splinter groups. I realize that this last point is not very relevant to your specific proposal. But I oppose the use of ".misc" when the use of modern news technology instead would solve the problem.

> It looks like we can bring this to a successful conclusion, especiallly if everyone maintains the same high standard of calm, reasoned discussion that's been shown so far.

That'll jinx it for sure. :-)
--
peace. -- Ed
"Over here, Bones! This man's dying!"
"Damn it, Jim! I'm a doctor, not a . . . What did you say?"

From -3436810859376245241
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6d791d7917a1c31d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 17:28:34 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: The Hate Herbie Net
Message-ID: <7880380@hpfcdc.HP.COM>
Date: 12 Dec 90 01:28:34 GMT
References: <36478@cup.portal.com>
Organization: HP Fort Collins, Co.
Lines: 23
Posted: Wed Dec 12 02:28:34 1990

>I tuned into '.313 on a lark, found things had not
>changed much for KV4FZ. I was sharpening my groundplane anyway, so the
>time was not wasted.
>
>Perry / KF0CA

I was sharpening the groundplane (40 radials now), and tuned into '.313 again. What a weird corner of Amateur Radio. Twilight zone material. :)

From what I heard, Herbie was operating squeakie-clean-legal, and suffering hellacious QRM. My opinion is that what I heard of Herbie on .313 is ok. Maybe he jumps down to .300 and jams, but I don't know that. While BARF has some real lunatic- fringe ideas, the 1st Amendment entitles them.

I'm not clear on the who-did-what-to-who,when,and-where part. It sounds like the noise of several galaxies colliding, apparently BARF, the Seafarer's, and some 75 meter net I'd never heard about. I think they're all guilty - let's shoot them all and sort out the innocent later.

Perry / KF0CA

From 4282852346133070363
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,83ec141b3d1d3586
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-Thread: 114aac,83ec141b3d1d3586
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-12-11 17:30:27 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!ccad.uiowa.edu!emcguire
From: emcguire@ccad.uiowa.edu (Ed McGuire)
Newsgroups: rec.radio.shortwave,rec.ham-radio,rec.ham-radio.packet,news.groups
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Keywords: amateur radio
Message-ID: <1990Dec12.013027.10971@ccad.uiowa.edu>
Date: 12 Dec 90 01:30:27 GMT
References: <1403@necis.UUCP> <689.27612B4F@w8grt.fidonet.org>
<1990Dec10.222602.14152@eci386.uucp>
Organization: Sequential Stream_Of_Consciousness
Lines: 18
Xref: gmdzi rec.radio.shortwave:3114 rec.ham-radio:17779 rec.ham-radio.packet:3207
news.groups:23541
Posted: Wed Dec 12 02:30:27 1990

In article <1990Dec10.222602.14152@eci386.uucp> woods@eci386.UUCP (Greg A. Woods VE3TCP) writes:

> You point out that the term "radio ham" is understood by a growing majority of non-amateur's. However this doesn't indicate the connotations many non-operators associate with the term "radio ham".
>
> In my experience, this term has no redeemable value with most "non-hams". In fact I would argue the connotations are so negative that we should do anything and everything we can to move to a more neutral term, and to dispell the negative connotations associated with Amateur Radio.

What are these negative connotations? I've never encountered them myself.
--

```
peace.  -- Ed
"Over here, Bones!  This man's dying!"
"Damn it, Jim!  I'm a doctor, not a . . .  What did you say?"


From -1756448290449461126
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db1d106380df7ba1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 17:32:07 PST
Path: gmdzi!unido!mcsun!uunet!midway!linac!att!emory!wuarchive!sdd.hp.com!hplabs!
hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: TVI Problem
Message-ID: <7880381@hpfcdc.HP.COM>
Date: 12 Dec 90 01:32:07 GMT
References: <1168@larry.sal.wisc.edu>
Organization: HP Fort Collins, Co.
Lines: 6
Posted: Wed Dec 12 02:32:07 1990

Anyone ever try building a cardioid DF antenna for the frequency range
in question, then using conventional DF techniques ?  I also have a
channel 2 problem, but the thought of building a 6 meter beam has always
stopped me.

Perry / KF0CA


From 3379595893177909
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 17:55:08 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!att!emory!wuarchive!sdd.hp.com!hplabs!
hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <7880382@hpfcdc.HP.COM>
Date: 12 Dec 90 01:55:08 GMT
References: <m0VyT2w163w@phoenix.com>
Organization: HP Fort Collins, Co.
Lines: 14
Posted: Wed Dec 12 02:55:08 1990

>>Yes, the hot rumor is that the 13 wpm and 20 wpm requirements are dead
>>and that one will only need to demonstrate code proficiency at 5 wpm
>>for *ANY* amateur license
>
>Wouldn't this be a p*sser.  Yesterday, I finally struggled over the 20
>WPM hurdle and upgraded to Extra.  I am not much of a CW lover, but I
```

>like challenges.

No kidding. I'd be only 18/20ths as p*ssed as you. I'm gonna ignore
the rumor until I hear it from official channels. Maybe 19 wpm tonight.
Yes, I enjoy a challenge too.

Perry "The irrelevance of CW is irrelevant" Scott
KF0CA

```
From -4193217051494714992
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,281602b2ec39947c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 18:13:12 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: A scream...
Message-ID: <7880384@hpfcdc.HP.COM>
Date: 12 Dec 90 02:13:12 GMT
References: <ZZHVT2w163w@tosspot.wang.com>
Organization: HP Fort Collins, Co.
Lines: 34
Posted: Wed Dec 12 03:13:12 1990
```

>Okay, anyone have any suggestions upon which we can act to clean up our
>act? The ARRL and the FCC don't care, so perhaps it's time we got our
>own house together?
>
>Oh, I live in NH, not G-land, by the way so I've seen both sides of
>the US/EU hf attitudes.....
>
>   Lee   W1/G8LCK

If you know a way, I want to hear it ! I'm sickened by ease at which
anyone with a transmitter can get on the air and maliciously interfere
with whomever they please. It's even worse on HF when the QRM is
international.

I think the ARRL/FCC care, but tracking down radio-terrorists is a
difficult thing to do. Maybe it is a reflection on the USA - we tend to
have a higher per-capita rate of sociopaths. Sigh. Too bad radio waves
don't stop at the border.

So, how do we get our own house in order ? Not talking with a LID
doesn't work, because then the LID finds other like-minded LIDs, and
form a Net. Trying to DF on HF is problematic - you may get within 50
miles of someone's site, but that's a lot of hams if it happens to be on
the East Coast metroplex. Shouting down a LID makes a LID out of
yourself. Maybe we need to create a new set of non-US amateur
frequencies (I thought that was the idea behind the non-US voice band,
but it apparently was lost on some of our cretins).

Maybe we should require another exam element - 1L(ID), which consists of
writing "I will not be a LID" 100 times every time you renew.

One Concerned Stateside Amateur,

Perry / KF0CA

From -4147785571358113379
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10cfc2c9d120d5f3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,10cfc2c9d120d5f3
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f9437,10cfc2c9d120d5f3
X-Google-Attributes: gidf9437,public
X-Google-Thread: f76e2,10cfc2c9d120d5f3
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-12-11 19:56:54 PST
Path: gmdzi!unido!mcsun!uunet!know!sdd.hp.com!wuarchive!bcm!lib!
thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: news.groups,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap
Subject: Call for Discussion, pass two: reorganization of rec.ham-radio.*
Message-ID: <4449@lib.tmc.edu>
Date: 11 Dec 90 17:02:27 GMT
Sender: usenet@lib.tmc.edu
Followup-To: news.groups,rec.ham-radio
Organization: University of Texas Medical School at Houston
Lines: 122
Xref: gmdzi news.groups:23484 rec.ham-radio:17712 rec.ham-radio.packet:3199
rec.ham-radio.swap:862
Posted: Tue Dec 11 18:02:27 1990
Nntp-Posting-Host: thesis1.hsch.utexas.edu
Originator: jmaynard@thesis1.hsch.utexas.edu

(Apologies if this gets posted twice; I haven't seen the first one appear,
and it's been 6 hours since I posted it...)

There has been much discussion on this subject, and what started out as a simple call for a new group has mushroomed into a complete reorganization of the rec.ham-radio.* hierarchy. This posting reflects my understanding of the current consensus of opinion on the subject, and is intended to serve as the basis for further discussion. I gratefully acknowledge the help of many folks around the net, especially Paul Flaherty, who suggested the original reorganization from which this grew; he and I have discussed this posting, and it carries his approval.

THE CURRENT PROPOSAL:
=====================
The following groups are to be renamed:

```
rec.ham-radio        => rec.radio.amateur[.misc]
rec.ham-radio.packet => rec.radio.amateur.packet
rec.ham-radio.swap   => rec.radio.swap
```

Groups will be renamed by creating the replacement group, asking site admins to alias the old group to the new one, and rmgrouping the old group after traffic in it has died down. This method has been shown to work in other hierarchies.

The following groups are to be created:
rec.radio.amateur.legal
This group is intended to contain any and all discussion about legal issues pertaining to amateur radio, including, but not limited to, rules, regulations, laws, and legal actions by and against amateur radio operators. This group is to be unmoderated.

rec.radio.cb
This group is intended to contain discussions related to Citizens' Band radio. This group will be unmoderated.

RATIONALE:
==========

1. Why move the groups at all? The primary motivation is to make it easier for interested people to find newsgroups related to ham radio. The rec.radio hierarchy was created after rec.ham-radio (net.ham-radio before the Great Renaming). It is an inconsistency in the namespace to have groups for similar purposes separated from each other, and that makes it harder for new users to find the desired groups. Further, this allows a change from ham radio to amateur radio (see next topic).

2. Why .amateur instead of .ham? It has been pointed out in discussion that "ham radio" is primarily an American term, and carries little meaning outside the US. In addition, there are negative connotations attached to "ham" that don't apply to "amateur". Some confusion also exists in the public mind about just what a "ham radio operator" is, as evidenced by the occasional "ham operator jams aircraft frequencies!" when the person in question has never been a licensed amateur radio operator.

3. Why a .legal group? A significant part of the traffic in rec.ham-radio is concerned with legal issues. This includes substantially all of the flamage, which has in the recent past included such subjects as whether or not it's legal to order a pizza via an amateur repeater, the proposal to add a class of license that does not require knowledge of the International Morse Code, and the legality of modifying amateur equipment to transmit outside the amateur bands. The new group is intended to move the flames and the long discussions that never seem to get anywhere out of the main group.

4. Why use the name .legal, instead of .rules, .regs, .regulations, etc.? The group is intended to contain any and all discussion about any legal issues pertaining to amateur radio. This includes not just rules and regulations of the FCC and other national regulatory bodies,

but also laws affecting hams (such as the infamous New Jersey scanner law), lawsuits over nuisance issues, antenna ordinances, and the like. .legal is the best description of the intended division of existing traffic I could come up with.

5. Why not a .tech group? There are two reasons for this one. The first is that there's more to ham radio that's non-inflammatory than just technical discussions, and the object of a new group is to move the flames, not run away from them. A .tech group would leave those of us who are interested in more than just technical discussions, yet not in the seemingly endless legal discussions, left to wade through the flames. Second, Brian Kantor, who maintains the info-hams mailing list, has said that info-hams will continue to gateway rec.ham-radio (and, presumably, rec.radio.amateur[.misc]) only, and moving the technical postings off would deprive those on the mailing list.

OPEN ISSUES:
============
1. rec.radio.amateur or rec.radio.amateur.misc? Both have been proposed, and I don't have a strong preference either way. The final proposal will reflect whatever the consensus of the discussion is.

2. rec.radio.amateur.packet or rec.radio.amateur.digital? I do have a preference here, but am willing to change my mind if a consensus is reached that .digital is a better idea.

PLANS:
======
Assuming a consensus is reached by then, I intend to adhere to the schedule I set originally: discussion to run through 31 December, with the vote starting then and running through 21 January. There have been a couple of other reorganizations in the recent past, and I'll follow the precedent they set in regard to voting: an individual vote is required for each proposed group. In addition, I like Kent Paul Dolan's format for the comp.sys.amiga reorganization vote, and will use it for this vote (though I'll put the ballot at the top of the Call for Votes). I intend to count votes automagically with some sort of Unix-type tool (probably awk); votes that the awk script rejects will either be fixed if their meaning is unambiguous, or returned with a request for clarification if not. Other than that, votes will be acknowledged en masse about halfway through the voting period, and not by mail. Votes will be sent to this site, and probably to my account here. (Don't send me votes yet; I can't accept them.)

It looks like we can bring this to a successful conclusion, especiallly if everyone maintains the same high standard of calm, reasoned discussion that's been shown so far. Please post any discussion to news.groups as well as rec.ham-radio, as per the guidelines.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu  | adequately be explained by stupidity.
  "...flames are a specific art form of Usenet..." -- Gregory C. Woodbury
```

```
From 4163553681282023115
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 20:01:26 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!
news.cs.indiana.edu!rutgers!netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <193@platypus.uofs.edu>
Date: 11 Dec 90 17:07:39 GMT
References: <1990Dec9.231912.8685@midway.uchicago.edu> <m0VyT2w163w@phoenix.com>
<1990Dec10.184453.11217@cunixf.cc.columbia.edu>
Organization: University of Scranton, Scranton, PA
Lines: 18
Posted: Tue Dec 11 18:07:39 1990

In article <1990Dec10.184453.11217@cunixf.cc.columbia.edu>,
mig@cunixd.cc.columbia.edu (Meir) writes:
> The rules changed a few years ago.
> The current theory test for Technician is different from the test for General.
> Upgrading to General would *still* require passing the *General* theory test!
>
Yes, but there are a lot of old Techs out there (like my wife - KA3NQD and
my father - KA3ILE.)  Sure hope all the rest of you kept your original
Tech license.  It's the only way to prove which test you took.  The FCC
database only lists the last time you changed, not the original test date.


bill    KB3YV


--

     Bill Gunshannon          |        If this statement wasn't here,
     bill@platypus.uofs.edu   |  This space would be left intentionally blank


From 3783885127073733579
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31a8360191158b8e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 20:09:39 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Another Look at Radar Detector Legality for Hams
Message-ID: <735.27656DF5@w8grt.fidonet.org>
Date: 12 Dec 90 04:09:39 GMT
Organization: QRV de W8GRT, Sylvania, OH
```

Lines: 24
Posted: Wed Dec 12 05:09:39 1990

> From: yetsko@interlan.interlan.com (Mike Yetsko)
> Date: 11 Dec 90 15:18:34 GMT
> Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
> Message-ID: <YETSKO.90Dec11101834@interlan.interlan.com>
> Newsgroups: rec.ham-radio
>
> Photo Radar is NOT in the K or X band, but in hte Ka band, where these
> restrictions do not apply. I'm not sure if they never applied there, or
> if there was a special exemption for these types of equipment.
>
> HOWEVER, I would appeal photo radar on totally different grounds. How
> can
> you confront your accuser in court when there was absolutely NO HUMAN
> INTERACTION at all? Totally unconstitutional, IMHO.

I think you're mistaken. By that line of reasoning, fingerprint evidence would
not be admissable unless you had an eyewitness to tetify that he/she saw the
defendant make that fingerprint on that object.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -7219815716432100845
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-11 20:31:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!samsung!cs.utexas.edu!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio,news.groups
Subject: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <736.27656DFA@w8grt.fidonet.org>
Date: 12 Dec 90 04:31:08 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 30
Xref: gmdzi rec.ham-radio:17760 news.groups:23522
Posted: Wed Dec 12 05:31:08 1990

> From: woods@eci386.uucp (Greg A. Woods)
> Date: 10 Dec 90 22:26:02 GMT
> Organization: Elegant Communications Inc.
> Message-ID: <1990Dec10.222602.14152@eci386.uucp>

> Newsgroups: rec.radio.shortwave,rec.ham-radio,rec.ham-radio.packet,
> news.groups
>
> I think that the degree of "understanding" the average layman has of
> the term "radio ham" is the precise reason why we should adopt the
> term "amateur".

I don't think the average layman gives a hoot what we call ourselves and even if they do, who cares? We should call ourselves what WE want to call ourselves.

Speaking for myself, I have been quite happy calling myself a radio ham for the last 40 years. When anyone asked what 'W8GRT' was, I said "My ham radio call letters." Nobody ever came back with "What's a 'radio ham?'" A few wanted to know if that was like a CB'er, but none wanted to know if that was an actor or an advertized product on the radio. They ALL knew it was some form of personal hobby two-way radio.

So, what's the big deal? Who needs changing the name of our hobby to fit some cockamamey Usenet organization table?

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -6673686079327511236
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6dccbe3236a477b0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 23:32:29 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: MAJOR FLARE ALERT & MAGNETIC STORM WARNING
Message-ID: <901211021953.238006e4@HG.ULeth.CA>
Date: 11 Dec 90 09:19:53 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 282
Posted: Tue Dec 11 10:19:53 1990

-- MAJOR SOLAR FLARE ALERT --

DECEMBER 10, 1990

Potential Impact Forecast
--> MAGNETIC STORM WARNING <--
Flare Event Summary

MAJOR ENERGETIC EVENT SUMMARY

At 06:54 UT on 10 December, a major class M5.8/2B flare erupted from Region 6398 at a location of N15W47. This flare was accompanied by strong Type II and Type IV sweeps and weak discrete radio bursts. This flare is a major event and is expected to have a moderate to potentially strong impact with the earth. The estimated shockwave velocity is 1400 km/second, which is easily capable of producing a minor to major geomagnetic storm. The flare was a long-duration event, lasting 103 minutes (1 hour and 43 minutes). It began at 06:54 UT, and reached a peak intensity at 07:54 UT. The event ended at 08:37 UT. A SID/SWF event is strongly suspected of being associated with this flare, although this has not yet been confirmed.

Region 6398 produced the majority of today's energetic events. Along with the today's major flare, it has produced several C-class flares and numerous subflares. This region is a relatively small (540 million square kilometers or 211 million square miles) group with only 15 spots encompassed in the region. It is has a beta-type magnetic configuration, but has a complex magnetic inversion line where the major flare originated. This region is still capable of producing several more M-class events, but is not expected to spawn any other major flares.

No significant proton enhancements were observed throughout the period. This major flare was not a proton flare. Its involvment with strong Types II and IV sweeps, however, indicate that an interplanetary shock is on the way. More on potential impacts will be given below.

Other notes: Old Region 6368 rotated onto the eastern limb today. It has been given a region number of 6412. So far, only two spots have been identified, but it is still too early to see any details. The region currently sports a minor HHX spot configuration, but its accumulated area so far (900 million square kilometers) suggests that this region is still at least moderately large. Early indications seem to suggest that it has decayed into a more stable configuration. More will be known when the rest of the region becomes visible over the next 24 hours.

GEOMAGNETIC STORM WARNING

Today's major class M5.8/2B flare is expected to have at least a moderate impact with the earth. An interplanetary shockwave is expected to reach the earth between 18:00 UT on 11 December and 11:00 UT on 12 December. Geomagnetic activity is expected to reach at least active levels over middle and low latitudes and minor storm levels over higher latitudes. There is, however, a moderate risk that middle latitudes may achieve minor to major storm levels while high latitudes experience mostly major storming. At the present time, the middle-ground is being chosen as most likely. That is, middle latitudes should experience predominantly active levels with some brief periods of minor storming. High latitudes should experience mostly minor storming with brief periods of major storming. More will be known once the impact from this flare begins to impinge on terrestrial activity.

A geomagnetic storm warning has been issued, particularly for the high latitude regions, but encompassing the lower latitudes as well. The magnetic storming is expected to be enhanced somewhat by a favorably positioned coronal hole. The combined effects of the flare and the coronal hole may be sufficient to provide major storm conditions over middle and high latitudes.

The Space Environment Services Center has issued a condition YELLOW alert status for potential PCA activity. The probability for major flares is hovering between 10% and 15% for both class X and proton flares. The probability for further class M-flare activity is steady at 70% for the next 72 hours.

PLANETARY 10-DAY GEOMAGNETIC ACTIVITY OUTLOOK (09 DECEMBER - 18 DECEMBER)

```
 ______________________________________________________________________
|  EXTREMELY SEVERE |   |   |   |   |   |   |   |   |   |   | VERY HIGH! |
| VERY SEVERE STORM |   |   |   |   |   |   |   |   |   |   | HIGH       |
|      SEVERE STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
|       MAJOR STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
|       MINOR STORM |   |   |   | **|** |   |   |   |   |   | LOW        |
|       VERY ACTIVE |   |   |   | **|***|** |   |   |   |   | NONE - LOW |
|            ACTIVE |   |   |   |***|***|***| * |   |   | * | NONE       |
|         UNSETTLED |   |   | **|***|***|***|***|***|***|***| NONE       |
|             QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
|        VERY QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
|-------------------|---|---|---|---|---|---|---|---|---|---|------------|
| Geomagnetic Field |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|  Anomaly   |
|    Conditions     |       Given in 8-hour intervals       | Intensity  |
|______________________________________________________________________|
```

NOTES:
Predicted geomagnetic activity is based heavily on recurrent phenomena. Transient energetic solar events cannot be predicted reliably over periods in excess of several days. Hence, there may be some deviations from the predictions due to the unpredictable transient solar component.

HF RADIO SIGNAL PROPAGATION PREDICTIONS (09 DECEMBER - 18 DECEMBER)

High Latitude Paths

```
 _________________________________________________________
| EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
|      VERY GOOD |   |   |   |   |   |   |   |   |   |   |
|           GOOD |  *|  *|*  |   |   |   |   |   |   |   |
|           FAIR |** |** | **|*  |   |   |  *|***|***|* *|
|           POOR |   |   |   |  *|  *|***|** |   |   | * |
|      VERY POOR |   |   |   | * |** |   |   |   |   |   |
| EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
|----------------|---|---|---|---|---|---|---|---|---|---|
|  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
          |    QUALITY     |     Given in 8-Hour UT Intervals      |
           -------------------------------------------------------

                             Middle Latitude Paths

           _______________________________________________________
          | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
          |      VERY GOOD |***|***|***|   |   |   |   |   |   |   |
          |           GOOD |   |   |   |*  |   |  *|* *|***|***|* *|
          |           FAIR |   |   |   |  *|  *|** | * |   |   | * |
          |           POOR |   |   |   | * |** |   |   |   |   |   |
          |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
          | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
          |----------------|---|---|---|---|---|---|---|---|---|---|
          |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
          |    QUALITY     |     Given in 8-Hour UT Intervals      |
           -------------------------------------------------------

                                Low Latitude Paths

           _______________________________________________________
          | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
          |      VERY GOOD |***|***|***|   |   |   |   |  *|  *|   |
          |           GOOD |   |   |   |*  |   |  *|***|** |** |***|
          |           FAIR |   |   |   |  *|* *|** |   |   |   |   |
          |           POOR |   |   |   | * | * |   |   |   |   |   |
          |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
          | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
          |----------------|---|---|---|---|---|---|---|---|---|---|
          |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
          |    QUALITY     |     Given in 8-Hour UT Intervals      |
           -------------------------------------------------------

NOTES:
       High latitudes >= 55       degree's north latitude
     Middle latitudes >= 40 < 55  degree's north latitude
        Low latitudes  < 40       degree's north latitude



POTENTIAL VHF DX PROPAGATION PREDICTIONS (09 DECEMBER - 18 DECEMBER)
   INCLUDES SID AND AURORAL BACKSCATTER ENHANCEMENT PREDICTIONS

                   HIGH LATITUDES

 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals |     |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|     |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|     |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   |   |   |   |   |   |   |   | 20%|*|*|*|*|*|*|*|*|*|*|
|    NORMAL|***|***|***|   |  *|* *|***|***|* *|* *| 40%| | | | | | | | | | |
|BELOW NORM|   |   |   |***|** | * |   |   | * | * | 60%| | | | | | | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|     |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |** |   |   |   |   |   |   | 60%| | |*|*| | | | | | |
|      40% |   |   |  *|***|***|   |   |   |* *|* *| 40%| | |*|*|*| | | |*|*|
|      20% | **| **| **|***|***|***|***|***|***|***| 20%| | |*|*|*|*|*|*|*|*|
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|


                  MIDDLE LATITUDES

 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM| * | * | * |   |   |   |   |   |   |   | 20%|*|*|*|*|*|*|*|*|*|*|
|    NORMAL|* *|* *|* *| * | **|***|***|***|* *|* *| 40%|*|*|*|*|*|*|*|*|*|*|
|BELOW NORM|   |   |   |* *|*  |   |   |   | * | * | 60%|*|*|*|*|*|*| | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% | * | * | **|***| * |   |   |   |   |   | 40%| | |*|*| | | | | | |
|      20% | **| **| **|***|***|***|***|***|***|***| 20%| | |*|*|*|*|*|*|*|*|
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|

                    LOW LATITUDES

 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM| * | * | * |   |   |   |   |   |   |   | 20%|*|*|*|*|*|*|*|*|*|*|
|    NORMAL|* *|* *|* *|***|***|***|***|***|***|***| 40%|*|*|*|*|*|*|*|*|*|*|
|BELOW NORM|   |   |   |   |   |   |   |   |   |   | 60%|*|*|*|*|*|*| | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% | * | * | * | * | * | * | * | * | * | * | 40%| | | | | | | | | | |
|      20% | **| **| **|***|***| **| **| **| **| **| 20%| | |*|*| | | | | | |
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|
```

NOTES:

These VHF DX prediction charts are defined for the 50 MHz to 220 MHz bands. They are based primarily on phenomena which can affect VHF DX propagation globally. They should be used only as a guide to potential DX conditions on VHF bands. Latitudinal boundaries are the same as those for the HF predictions charts. For more information, request the document "Understanding Solar Terrestrial Reports" from: "std_oler@hg.uleth.ca".

AURORAL ACTIVITY PREDICTIONS (09 DECEMBER - 18 DECEMBER)

High Latitude Locations

```
 _______________________________________________________
| EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
|      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
|           HIGH |   |   | **|** |   |   |   |   |   |   |
|       MODERATE |   |   | **|***|***|   |   |   |   | * |
|            LOW |   |   |***|***|***|***| * | * |***|***|
|    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
|----------------|---|---|---|---|---|---|---|---|---|---|
|    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
|   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
 -------------------------------------------------------
```

Middle Latitude Locations

```
 _______________________________________________________
| EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
|      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
|           HIGH |   |   |   |   |   |   |   |   |   |   |
|       MODERATE |   |   | **|***|   |   |   |   |   | * |
|            LOW |   |   | **|***|***| * |   | * |***|***|
|    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
|----------------|---|---|---|---|---|---|---|---|---|---|
|    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
|   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
 -------------------------------------------------------
```

Low Latitude Locations

```
 _______________________________________________________
| EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
|      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
|           HIGH |   |   |   |   |   |   |   |   |   |   |
|       MODERATE |   |   |   |   |   |   |   |   |   |   |
|            LOW |   |   | * | * |   |   |   |   |   |   |
|    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
|----------------|---|---|---|---|---|---|---|---|---|---|
|    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
|   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
```

NOTE:

For more information regarding these charts, send a request for the document, "Understanding Solar Terrestrial Reports" to: std_oler@hg.uleth.ca.

** End of Report **

From -7266575361292286024
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e19efae9316bc9fe,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 00:55:46 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!usc!sdd.hp.com!ucsd!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: MAJOR FLARE ALERT & MAGNETIC STORM WARNING UPDATE
Message-ID: <901212015546.23800bd7@HG.ULeth.CA>
Date: 12 Dec 90 08:55:46 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 294
Posted: Wed Dec 12 09:55:46 1990

-- MAJOR SOLAR FLARE ALERT --

DECEMBER 11, 1990

Flare Event Summary
Potential Impact Forecast
Revised Prediction Charts
--> Geomagnetic Storm Warning Update <--
--> High Latitude Auroral Storm Warning <--

MAJOR ENERGETIC EVENT SUMMARY

Solar activity was high today. A major class M6.5/SB flare occurred at 20:52 UT on 11 December, but was not accompanied by any significant radio emissions. The flare was associated with Region 6402 and occurred at a position of S11W80 very near the western limb. This flare was difficult to optically correlate since at that time, Regions 6397 and 6387 were all reported to be flaring during the event. It was later concluded that the event originated from Region 6402 and was rated as a very small bright subflare at optical wavelengths. Although this event did reach healthy x-ray levels, it will not have a terrestrial impact with the earth.

A barrage of M-class flare activity occurred from the many active regions visible on the solar disk today. Most of the activity occurred in the northwest quadrant where most of the mature active regions are developing. A total of five M-class flares occurred today, all class M1 flares except for the major class M6 flare.

The elevated flare activity has produced numerous SID/SWF's. A total of five SID's were numbered today, two of which have been confirmed as producing shortwave fades. The first confirmed SWF occurred at 20:46 UT and lasted until 21:56 UT. The second occurred at 22:55 UT and lasted until 23:40 UT. Both of these confirmed SWF's affected frequencies up to 13 MHz. The probability for further SID/SWF's is high for the next 48 hours, when several of the active regions responsible for the recent flaring should rotate beyond the west limb.

The probability for M-class flaring is 70% over the next 24 hours. The probability declines to 65% for the 48 hour period and down to 60% within 72 hours. The decreased flaring probability is in response to the disappearance of the major active regions beyond the west limb.

Old Regin 6368 appears to be relatively stable. It is large, however, and the trailer region has not yet fully rotated into view. The trailer region contained the magnetic delta configurations which could have spawned major flares, but didn't. Analysis of this region is of relatively high priority, considering the complexity that this region attained when it was last visible several weeks ago. More will be known within the next 24 hours. So far, however, old region 6368 is only listed as containing one large H-type spot and appears to be stable as the models suggested.

GEOMAGNETIC STORM WARNING UPDATE

Additional analysis of the data from the major flare of 10 December indicates that the interplanetary shock wave will likely not reach the earth until the mid or late part of 12 December. Current projections estimate impact between 10:00 UT and 24:00 UT on 12 December, corresponding to a planetary shock speed between 770 and 630 km/second. Geomagnetic activity is therefore not expected to increase until the mid to late part of the UT day on 12 December.

The magnetic storm warning is continued particularly for the high latitude regions. High latitudes should experience at least minor storming with a risk of periods of major storming. Middle latitudes are still expected to remain mostly active with a risk of periods of minor storming. A slight risk still exists for major storming over high and middle latitudes, although it looks as though the activity at middle latitudes should remain confined to K-index values of 4 and 5 (corresponding to mostly active conditions with periods of minor storming). The effects of a well positioned coronal hole could also enhance geomagnetic activity, particularly on 13 December.

HIGH LATITUDE AURORAL STORM WARNING

An auroral storm warning has been issued for the high latitude regions for the UT day of 13 December. Auroral activity over high latitudes could reach high levels on this day. Middle latitudes are not currently expected to experience any auroral storming, although activity should reach at least moderate levels over the middle latitudes. A slight southward expansion of the auroral oval is expected on 13 December, which may place some northerly middle latitude regions within the auroral zone on the evening of 13 December.

Overall activity is expected to decline to mostly unsettled levels by 14 December.

The following forecasts have been revised to account for the new data which has been received. The previously revised prediction charts are still valid but will not be quite as accurate as the following revised predictions. Use the following prediction charts where possible.

PLANETARY 10-DAY GEOMAGNETIC ACTIVITY OUTLOOK (09 DECEMBER - 18 DECEMBER)

```
    ________________________________________________________________________
   |  EXTREMELY SEVERE |   |   |   |   |   |   |   |   |   |   | VERY HIGH! |
   | VERY SEVERE STORM |   |   |   |   |   |   |   |   |   |   | HIGH       |
   |      SEVERE STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MAJOR STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MINOR STORM |   |   |   |   |** |   |   |   |   |   | LOW        |
   |       VERY ACTIVE |   |   |   |  *|***|** |   |   |   |   | NONE - LOW |
   |            ACTIVE |   |   |   | **|***|***| * |   |   | * | NONE       |
   |         UNSETTLED |   |   |   | **|***|***|***| **| **|***| NONE       |
   |             QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |        VERY QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |-------------------|---|---|---|---|---|---|---|---|---|---|------------|
   | Geomagnetic Field |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|  Anomaly   |
   |    Conditions     |       Given in 8-hour intervals       | Intensity  |
   |________________________________________________________________________|
```

HF RADIO SIGNAL PROPAGATION PREDICTIONS (09 DECEMBER - 18 DECEMBER)

High Latitude Paths

```
             ________________________________________________________
            | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
            |      VERY GOOD |   |   |   |   |   |   |   |   |   |   |
            |           GOOD |  *|  *|*  |   |   |   |   |   |   |   |
            |           FAIR |** |** | **|*  |   |  *|* *|***|***|* *|
            |           POOR |   |   |   | * |  *|** | * |   |   | * |
            |      VERY POOR |   |   |   |  *|** |   |   |   |   |   |
            | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
            |----------------|---|---|---|---|---|---|---|---|---|---|
            |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
            |    QUALITY     |     Given in 8-Hour UT Intervals      |
             --------------------------------------------------------
```

Middle Latitude Paths

```
             --------------------------------------------------------
```

```
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |***|***|***|   |   |   |   |   |   |   |
           |           GOOD |   |   |   |*  |   |  *|* *|***|***|* *|
           |           FAIR |   |   |   | * |  *|** | * |   |   | * |
           |           POOR |   |   |   |  *|** |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------

                                Low Latitude Paths
            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |***|***|***|   |   |   |   |  *|  *|   |
           |           GOOD |   |   |   |*  |  *|  *|***|** |** |***|
           |           FAIR |   |   |   | **|** |** |   |   |   |   |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------

NOTES:
       High latitudes >= 55       degree's north latitude
     Middle latitudes >= 40 < 55  degree's north latitude
        Low latitudes  < 40       degree's north latitude



POTENTIAL VHF DX PROPAGATION PREDICTIONS (09 DECEMBER - 18 DECEMBER)
   INCLUDES SID AND AURORAL BACKSCATTER ENHANCEMENT PREDICTIONS

                   HIGH LATITUDES
 ___________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals   |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   |   |   |   |   |   |   |   | 20%|*|*|*|*|*|*|*|*|*|*|
|    NORMAL|***|***|***|** |   |* *|***|***|* *|* *| 40%| | | | | | | | | | |
|BELOW NORM|   |   |   |  *|***| * |   |   | * | * | 60%| | | | | | | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |  *|* *|   |   |   |   |   | 60%| | | |*|*| | | | | |
|      40% |   |   |   | **|* *|*  |   |   |* *|* *| 40%| | | |*|*|*| | |*|*|
|      20% | **| **| **|***|***|***|***|***|***|***| 20%| | |*|*|*|*|*|*|*|*|
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|


                  MIDDLE LATITUDES
 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM| * | * | * |   |   |   |   |   |   |   | 20%|*|*|*|*|*|*|*|*|*|*|
|    NORMAL|* *|* *|* *|** | **|***|***|***|* *|* *| 40%|*|*|*|*|*|*|*|*|*|*|
|BELOW NORM|   |   |   |  *|*  |   |   |   | * | * | 60%|*|*|*|*|*|*| | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |  *|*  |   |   |   |   |   | 60%| | | |*|*| | | | | |
|      40% | * | * | **| **|** |   |   |   |   |   | 40%| | | |*|*| | | | | |
|      20% | **| **| **|***|***|***|***|***|***|***| 20%| | |*|*|*|*|*|*|*|*|
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|

                    LOW LATITUDES
 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM| * | * | * |   |   |   |   |   |   |   | 20%|*|*|*|*|*|*|*|*|*|*|
|    NORMAL|* *|* *|* *|***|***|***|***|***|***|***| 40%|*|*|*|*|*|*|*|*|*|*|
|BELOW NORM|   |   |   |   |   |   |   |   |   |   | 60%|*|*|*|*|*|*| | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% | * | * | * | **|** | * | * | * | * | * | 40%| | | | | | | | | | |
|      20% | **| **| **|***|***|***| **| **| **| **| 20%| | | |*|*| | | | | |
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|
```

NOTES:

These VHF DX prediction charts are defined for the 50 MHz to 220 MHz bands. They are based primarily on phenomena which can affect VHF DX propagation globally. They should be used only as a guide to potential DX conditions on VHF bands. Latitudinal boundaries are the same as those for the HF predictions charts. For more information, request the document "Understanding Solar Terrestrial Reports" from: "std_oler@hg.uleth.ca".

AURORAL ACTIVITY PREDICTIONS (09 DECEMBER - 18 DECEMBER)

```
                            High Latitude Locations
             ________________________________________________________
            | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
            |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
            |           HIGH |   |   |   |***|   |   |   |   |   |   |
            |       MODERATE |   |   |   |***|***|   |   |   |   | * |
            |            LOW |   |   |***|***|***|***| * | * |***|***|
            |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
            |----------------|---|---|---|---|---|---|---|---|---|---|
            |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
            |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
             --------------------------------------------------------

                          Middle Latitude Locations
             ________________________________________________________
            | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
            |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
            |           HIGH |   |   |   |   |   |   |   |   |   |   |
            |       MODERATE |   |   |   |***|   |   |   |   |   | * |
            |            LOW |   |   |   |***|***| * |   | * |***|***|
            |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
            |----------------|---|---|---|---|---|---|---|---|---|---|
            |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
            |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
             --------------------------------------------------------

                             Low Latitude Locations
             ________________________________________________________
            | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
            |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
            |           HIGH |   |   |   |   |   |   |   |   |   |   |
            |       MODERATE |   |   |   |   |   |   |   |   |   |   |
            |            LOW |   |   |   | * |   |   |   |   |   |   |
            |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
            |----------------|---|---|---|---|---|---|---|---|---|---|
            |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
            |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
             --------------------------------------------------------
```

NOTE:

For more information regarding these charts, send a request for the document, "Understanding Solar Terrestrial Reports" to: std_oler@hg.uleth.ca.

** End of Report **

From 6666381316264545684
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b23125fdc69e1468
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 01:34:42 PST
Path: gmdzi!unido!mcsun!uunet!olivea!samsung!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Keyers, Paddles
Message-ID: <1666@ke4zv.UUCP>
Date: 12 Dec 90 09:34:42 GMT
References: <4546@apricot29.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Distribution: rec
Organization: Gannett Technologies Group
Lines: 20
Posted: Wed Dec 12 10:34:42 1990

In article <4546@apricot29.UUCP> froula@motcid.UUCP (Don Froula) writes:
>I enjoy operating mobile CW and have used a straight key resting on the
>passenger seat for a year or so with mixed success. Recently, I put
>together the Super Keyer II (featured in November '90 QST) and am quite
>happy with it. However, the old paddles I've been using (from an old
>Ham-M keyer, I've been told) are just too sloppy.
>
>Does anyone have any recommendations on keyer paddles and on mobile CW
>operation in general. Any advice would be greatly appreciated.

If you can find one of the old Brown Brothers Machine paddles, grab
it fast. It's much nicer than a Bencher. I'm a lousey CW operator
myself, but a friend of mine works CW mobile exclusively. He finds
a keyer difficult to use mobile. He uses a BBM paddle as a straight
key. He says the side to side motion is much easier to control in
a bouncing truck than a regular key. He has the paddle mounted on
the center console. He also advises a radio with a dial lock and not
to use too narrow filters in the receiver.

Gary KE4ZV

From -3908477334070878833
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 01:50:14 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!nosc!crash!skipsand
From: skipsand@crash.cts.com (Skip Sanders)

```
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <6269@crash.cts.com>
Date: 12 Dec 90 05:44:30 GMT
References: <1990Dec9.231912.8685@midway.uchicago.edu>
<1990Dec10.040840.9136@athena.cs.uga.edu>
Organization: Crash TimeSharing, El Cajon, CA
Lines: 8
Posted: Wed Dec 12 06:44:30 1990
```

Of course, if the rumor WERE to be true, it would probably be for the reasons following: 1) Code Waiver for disabled brouhaha - removed completely, and 2) Bitches about we want Novice to STAY, when FCC wants to have no more license classes (communicator should not cause more classes) answered by removing TECHNICIAN class instead, as all current Techs would be General Class under the rumored plan - grandfathered, just assumed Techs have Gen privs, no new techs issued.. simple - of course, being too simple, it's probably not gonna happen...

```
From -3104647252009977887
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 03:23:48 PST
Path: gmdzi!unido!mcsun!uunet!samsung!interlan.InterLan.COM!interlan.interlan.com!
yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <YETSKO.90Dec11101358@interlan.interlan.com>
Date: 11 Dec 90 15:13:58 GMT
References: <18020@shlump.nac.dec.com>
     <1990Dec10.221715.16499@athena.cs.uga.edu>
     <1990Dec10.191014@envy.bellcore.com>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 16
Posted: Tue Dec 11 16:13:58 1990
In-reply-to: karn@envy.bellcore.com's message of 11 Dec 90 00:10:14 GMT
```

I'm wondering what the FCC considers as covering what for NPRMs. About a year ago there was an FCC report (I have a copy at home on my AT somewhere) that among other things, recommended that all testing to be fair should have a direct relationship to privlidges granted. While the Novice enhancement removes a gross unfairness in the light of that document by making the TECH license easier, there still are a LOT of original pre-enhancement TECHs out there but at 5wpm. The only thing keeping them from GENERAL privlidges was the increase in code speed. Since there is a LOT of license enhancement from TECH to GENERAL in phone and other privlidges the code test for only a small increase in code privlidges coupled to that might be the target for change.

It really depends on what the FCC REALLY does, not what is rumored.

Mike Yetsko
N1DVJ

From -7721581330287597983
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10cfc2c9d120d5f3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,10cfc2c9d120d5f3
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-12 03:45:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
unix.cis.pitt.edu!tjw
From: tjw@unix.cis.pitt.edu (Terry J. Wood)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: Call for Discussion, pass two: reorganization of rec.ham-radio.*
Message-ID: <69180@unix.cis.pitt.edu>
Date: 11 Dec 90 21:29:44 GMT
References: <4449@lib.tmc.edu>
Reply-To: tjw@unix.cis.pitt.edu (Terry J. Wood)
Organization: University of Pittsburgh, CIS
Lines: 26
Xref: gmdzi news.groups:23492 rec.ham-radio:17717
Posted: Tue Dec 11 22:29:44 1990

In article <4449@lib.tmc.edu> jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
writes:

>2. Why .amateur instead of .ham? It has been pointed out in discussion
>that "ham radio" is primarily an American term, and carries little
>meaning outside the US. In addition, there are negative connotations
>attached to "ham" that don't apply to "amateur". Some confusion also
>exists in the public mind about just what a "ham radio operator" is,
>as evidenced by the occasional "ham operator jams aircraft
>frequencies!" when the person in question has never been a licensed
>amateur radio operator.

I've seen the exact opposite argument in QST, suggesting that we use the
term "HAM" because people have a better recognition of who we are when
we say "HAM" rather than "amateur". QST said that many people equate
an amateur radio operator with a pirate radio station. They're not a
PROFESSIONAL radio station, right? So they're AMATEURs and therefore
a Pirate.

Oh, well.

Terry "A Pittsburgh Pirate" Wood
--
INTERNET: tjw@unix.cis.pitt.edu BITNET: TJW@PITTVMS CC-NET: 33802::tjw
UUCP: {decwrl!decvax!idis, allegra, bellcore}!pitt!unix.cis.pitt.edu!tjw
 And if dreams could come true, I'd still be there with you,

 On the banks of cold waters at the close of the day. - Craig Johnson

From 6488986465832075373
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10cfc2c9d120d5f3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,10cfc2c9d120d5f3
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-12 04:28:06 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!zaphod.mps.ohio-state.edu!casbah.acns.nwu.edu!hpa
From: hpa@casbah.acns.nwu.edu (Peter Anvin)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: Call for Discussion, pass two: reorganization of rec.ham-radio.*
Message-ID: <1878@casbah.acns.nwu.edu>
Date: 12 Dec 90 09:18:08 GMT
References: <4446@lib.tmc.edu>
Organization: Northwestern University
Lines: 27
Xref: gmdzi news.groups:23494 rec.ham-radio:17718
Posted: Wed Dec 12 10:18:08 1990

>2. Why .amateur instead of .ham? It has been pointed out in discussion
>that "ham radio" is primarily an American term, and carries little
>meaning outside the US.

Since some people seem to have doubted this, let me give my view of the situation:
1. Hams/amateurs from non-Ennglish speaking countries generally understand the term, since English has become the international radio language. "Amateur" is used in any language (or rather the corresponding word).
2. Non-hams from non-English speaking countries generally have no clue.

>1. rec.radio.amateur or rec.radio.amateur.misc?

My opinion on this is since the ".misc" doesn't add anything to the meaning, is should be dumped. Besides, doesn't it go against the idea of a hierarchial naming convention?

>2. rec.radio.amateur.packet or rec.radio.amateur.digital?

Remember, there are more to digital hamming than packet. If you want to discuss packet radio (that is, ARRL AX.25), then go with ".packet". If you want to include discussion of Baudot (RTTY), AMTOR, and the like then go with ".digital".

```
     ----  Peter Anvin : N9ITP - SM4TKN  ----
--
Peter Anvin ("HPA")  +++  A long long way from home :-)
INTERNET:  hpa@casbah.acns.nwu.edu   FIDONET:  1:115/989.4
BITNET:    HPA@NUACC                 RBBSNET:  8:970/101.4
```

From -5608038146581929940

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 05:20:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!sdd.hp.com!hplabs!hpcc05!aspen!laubach
From: laubach@aspen.IAG.HP.COM (Mark Laubach)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <3080015@aspen.IAG.HP.COM>
Date: 11 Dec 90 17:37:01 GMT
References: <681.275E4825@w8grt.fidonet.org>
Organization: HP Information Architecture Group - Cupertino, CA
Lines: 30
Posted: Tue Dec 11 18:37:01 1990

Throwing my own two sparks into the fray, here's what I'd like to see:

rec.radio.amateur

Discussions about amateur radio, e.g. technical *and/or* legal.

A large percentage of any legal discussions will be technically based. It will be hopelessly confusing to separate the two and will result in endless cross postings. Since we as hams are supposed to be using minimum power necessary to communicate, we should not create a .legal group.

rec.radio.amateur.qst

Announcements only for special events, AMSAT, shuttle, prediction bulletins, etc. These are important for everyone and should not be buried in the discussions.

rec.radio.amateur.packet

Same as before.

rec.radio.amateur.swap

Same as before.

Mark
N3BMN

From 6505615493050289792
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a778931f3f6cae9e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 05:37:36 PST

Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!ogicse!plains!
enders@plains.NoDak.edu
From: enders@plains.NoDak.edu (Todd Enders - WD0BCI)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumour
Message-ID: <7102@plains.NoDak.edu>
Date: 11 Dec 90 16:51:34 GMT
Organization: North Dakota State University Fargo, ND
Lines: 41
Posted: Tue Dec 11 17:51:34 1990

You know, the old FCC just might do something like this, considering the ARRL's lawsuit over 220, just out of sheer oneryness. It could be the best thing to happen to ham radio in years, provided that they replace the defunct elements 1B and 1C with a more rigorous set of theory elements.

A possible scenario would go something like this:

1. FCC eliminates elements 1B and 1C. Pre-"novice enhancement" technician licensees are grandfathered to general, having had passed old element 3 (now 3A and 3B).

2. Exam elements 3B, 4A, and 4B are revised to place greater emphasis on theory, rules & regs, etc. This provides a graduated upgrade path on the basis of technical skill and knowledge. All upgrades are based on the 'improved' theory elements.

I have a feeling that the OFN will fight this like the plague. (OFN = Old Fart Network :-). I think that eventually we might see only three license classes:

1. No code VHF only: 6 meters and up, full privledges.

2. Novice type license: 5 wpm CW, limited HF privledges (but expanded from what they are now), limited power (250W max), limited VHF privledges (6m, 220, 440, 1296, 2304 MHz bands, restricted at least 1 MHZ away from weak signal subbands).

3. Full amateur license: 5 wpm CW, all HF and VHF privledges.

==

Todd Enders - WD0BCI   ARPA: enders@plains.nodak.edu
Computer Center   UUCP: ...!uunet!plains!enders
Minot State University   or: ...!hplabs!hp-lsd!plains!enders
Minot, ND 58701   Bitnet: enders@plains

"The present would be full of all possible futures,
if the past had not already projected a pattern upon it" - Andre' Gide

==

From 8198127336297746533
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4b95bc5678e9cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 07:34:12 PST
Path: gmdzi!unido!mcsun!uunet!censun1!lescsse!gamorris
From: gamorris@lescsse.uucp (Gary A. Morris)
Newsgroups: rec.ham-radio
Subject: Re: Confirmed SAREX QSO
Keywords: robot, KJ9U, confusion, STS, SAREX
Message-ID: <1990Dec11.163014.1785@lescsse.uucp>
Date: 11 Dec 90 16:30:14 GMT
References: <10534@uhccux.uhcc.Hawaii.Edu>
Organization: Lockheed Engineering and Sciences
Lines: 25
Posted: Tue Dec 11 17:30:14 1990

In <10534@uhccux.uhcc.Hawaii.Edu> johns@uhunix1.uhcc.Hawaii.Edu (J. Shalamskas KJ9U) writes:

>The way I see it, either his DM packet wasn't heard, or his connect was
>tossed out by the robot after it checked for dupes.

>There has been some amount of confusion locally as to whether the robot
>is really ignoring the dupes, since it has been assigning new QSO numbers
>on each pass. Anyone who knows for sure, please let me know what's going on.

A new number is assigned for each connect, but it doesn't go into the "confirmed" log if it is a dupe. And if you don't ack the QSL and disconnect packets it is not counted as confirmed.

>Aloha, hope everyone that tried managed to get through to STS-35!

I got connected but then downlink became too noisy to copy my QSO number, another local station copied it (#667) but it won't be in the confirmed log since I didn't receive and ack the QSL and disconnect. Oh well.

--GaryM
--
```
Gary Morris                     Internet: lobster!lescsse!gamorris@menudo.uh.edu
Lockheed (LESC), A22            UUCP:     lobster!lescsse!gamorris
Space Station Freedom           NASAmail: gmorris/jsc/nasa
Houston, Texas                  Internet: gmorris@nasamail.nasa.gov
```

From 6990742618903385l7
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 08:21:56 PST
Path: gmdzi!unido!mcsun!uunet!samsung!think.com!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb

From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <1250291@hpnmdla.HP.COM>
Date: 11 Dec 90 20:00:35 GMT
References: <m0VyT2w163w@phoenix.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 10
Posted: Tue Dec 11 21:00:35 1990

In rec.ham-radio, yetsko@interlan.interlan.com (Mike Yetsko) writes:

```
>Why are you worried about 20m anyway?  From what I've heard there, it's a
>bunch of spoiled children.  The best behaved band right now is the 10M novice
          ^^^^^^^^^^^^^^^^
```

True if you're talking about the high end of the band. The CW end is much better behaved.

AL N1AL

From 6091323255877875108
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b23125fdc69e1468
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 08:22:18 PST
Path: gmdzi!unido!mcsun!uunet!olivea!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Keyers, Paddles
Message-ID: <1250296@hpnmdla.HP.COM>
Date: 11 Dec 90 20:39:08 GMT
References: <4546@apricot29.UUCP>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 6
Posted: Tue Dec 11 21:39:08 1990

I have used an old Vibroplex (non-iambic) key paddle mobile. I mounted it on a piece of two-by-four and taped it in place angling upward just in front of the passenger seat cushion. This way, I could rest my wrist on the cushion and send. (Paddle taped solidly in place.)

AL N1AL

From -8039345700447450798
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b38c3f69c84114b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 08:23:32 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!paperboy!think.com!sdd.hp.com!

hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: FM transmitting
Message-ID: <1250292@hpnmdla.HP.COM>
Date: 11 Dec 90 20:12:32 GMT
References: <36697@cup.portal.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 22
Posted: Tue Dec 11 21:12:32 1990

In rec.ham-radio, Gary_T_Trindl@cup.portal.com writes:

> A little while ago there was a posting about somebody using a low
>power FM transmitter to advertise to passing cars a house for sale.
>Someone mentioned that such transmissions under 100mw of power do not
>fall under the jurisdiction of the FCC. This makes sense considering
>the "Mr. Microphone" type toys that are sold. Exactly what is the law
>concerning FM transmissions, and where might I find the text of that
>law without having to go through every piece of legislation that the
>FCC is involved with? ...

It's in Part 15 of the FCC Regulations, available from the Government
Printing Office in DC. Briefly, in a number of frequency bands
(including the FM broadcast band), unlicensed transmitters are legal
so long as they don't cause interference to the allocated users of
the band and as long as they meet certain technical requirements.
As I recall, you can either 1) limit power to 100 mW and keep the
antenna below a certain size, or 2) keep the radiated field strength
below a specified microvolts per meter.

AL N1AL

From 3793128128524983265
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c758bd2519079fb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 08:23:43 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!
sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Antenna corrosion - Need Help!
Message-ID: <1250294@hpnmdla.HP.COM>
Date: 11 Dec 90 20:25:52 GMT
References: <1990Dec10.173027.12334@sdd.hp.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 20
Posted: Tue Dec 11 21:25:52 1990

In rec.ham-radio, scott@hpsdde.hp.com (Scott Roleson) writes:

```
>I need some advice regarding chemicals, coatings, and procedures to
>limit corrosion in alluminum antenna elements.
...
>I'd prefer not to re-clean this thing in another 6 months.  Short of wrap-
>ping the antenna in a case of electrician's tape, what other methods work?
>Are there any chemicals I should be using when putting the elements back
>together to limit corrosion?  Should I paint the whole antenna when I'm
>done tuning it?

Hi, Scott.  Long time no hear!

I have used rustoleum on the joints and hardware with good success.
The antenna does look kind of odd with patches of grey primer, but once
it's up in the air, it's not too noticeable.  I have even considered
painting the whole thing with grey primer, overpainted with splotches
of robin's-egg blue to camouflage it like a WW-II Spitfire!

AL N1AL


From -5941822513294864506
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a502a0e0ca9b4707
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 08:23:57 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-
opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: NEW NOVICE Seeks advice on first rig.
Message-ID: <1250295@hpnmdla.HP.COM>
Date: 11 Dec 90 20:32:15 GMT
References: <10183@bunny.GTE.COM>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 8
Posted: Tue Dec 11 21:32:15 1990

I always recommend new hams start with a used rig.  It's plenty good
enough to get your feet wet.  After you've had some on-the-air experience,
you will have decided what features are important to you, so that when
you do buy a new radio, you have a better chance of getting what you
want.  You should then be able to sell the used radio for nearly what you
paid for it (since you bought it used.)

AL N1AL


From -8427325283527755261
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b38c3f69c84114b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 08:48:41 PST
```

Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!col!guest
From: guest@col.hp.com
Newsgroups: rec.ham-radio
Subject: Re: FM transmitting
Message-ID: <27080041@col.hp.com>
Date: 11 Dec 90 21:06:20 GMT
References: <36697@cup.portal.com>
Organization: HP Colorado Springs Division
Lines: 5
Posted: Tue Dec 11 22:06:20 1990

I thought that the limit was 500mw, but maybe that has changed now. It's
not just FM. I think it covers anything (am, fm, tv, whatever).

BC

From -3450374479618040679
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cb4f6a5bc2683eb6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 08:49:00 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: 220 Decision !! (ARRL BUL # 50)
Message-ID: <737.27668361@w8grt.fidonet.org>
Date: 12 Dec 90 16:49:00 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 18
Posted: Wed Dec 12 17:49:00 1990

> From: ewb@raybed2.msd.ray.com (EUGENE BALINSKI)
> Date: 11 Dec 90 21:15:08 GMT
> Organization: Raytheon Co., Tewksbury, Mass.
> Message-ID: <1939@raybed2.msd.ray.com>
> Newsgroups: rec.ham-radio
>
>
>
>
> Stop the presses! The following has just been received from Compuserve:

Stop the presses??? Why, were you surprised?

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -8576958979260362625
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1157da,898c109b475b71e9
X-Google-Attributes: gid1157da,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-12 09:03:16 PST
Path: gmdzi!unido!mcsun!ukc!uos-ee!eep1mw
From: eep1mw@surrey.ac.uk (Mike Willis)
Newsgroups: news.groups,news.admin,rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <1990Dec12.170316.13554@EE.Surrey.Ac.UK>
Date: 12 Dec 90 17:03:16 GMT
References: <1990Dec9.201517.27809@eci386.uucp> <q0B2T3w163w@phoenix.com>
Sender: news@EE.Surrey.Ac.UK (Usenet News Service)
Organization: University of Surrey, Guildford, Surrey, UK. GU2 5XH
Lines: 50
Xref: gmdzi news.groups:23548 news.admin:9745 rec.ham-radio:17793
Posted: Wed Dec 12 18:03:16 1990

>> In article <1990Dec6.095416.7724@EE.Surrey.Ac.UK> eep1mw@surrey.ac.uk (Mike W
>> > I had enough difficulty getting the University to enable the current
>> > groups, changing things just makes life difficult. We will probably lose
>> > the service altogether.
>>
>> I can't imagine why an educational institution would have trouble with
>> anything to do with Amateur Radio! Maybe this shows how poor our PR is.

Frankly, our PR is very bad. Most achademics have a low view of radio
amateurs, or at least that is the impression I get. It is not a good idea
to pass on the information you are a radio amateur in some circumstances.
I think CB is to blame for this, at least in the UK.
>
>   Not all groups deal with ham radio.
>
>   Universities, in particular, have shown increasing concern about
>providing USEnet news to their students/staff. They are concerned about
>free speech issues and liability for racist or sexist remarks made in
>news systems they run. The admins are concerned about the net.flamage
>that a student/staff member can generate by posting things in poor taste.
>The PSU admin did not escape the flames when his site was guessed to be
>the source of a BIFF post. The admin of the site that sourced an explicit
>description of sex between the crew of the Enterprise is probably less
>than happy that his site has USEnet.
>
>   If you worry about these things, the easiest thing to do is not carry
>ANY news.
This is very true. It is difficult to get any un-moderated groups, and the
undergraduates do not have access to the majority of news services. Also
the finance is of great concern. Hence, we do not see most of the Rec.*

articles here, simply as they are deleted when new stuff arrives. Every
Monday, somthing like this happens

130 unread articles in newsgroup Rec.ham-radio read(y/n)

skipping unavailable article

Article XXXX of newsgroup Rec.ham-radio (15 left),

r somthing like that. ie we lose 115 articles and only see the last 15. I
suspect this is common to many educational sites.
UKC does not pass on any of the alt.sex or alt.drugs newsgroups (not that
I would want to read them). Those who complain about people posting
uuencoded files to the net might consider that many UK sites do not have
any easy FTP access to overseas accouts. Remember, we are now a third
world economy (nearly)
73 Mike

-- if you need a disclaimer, it is time you sorted out your legal system.
Lenin.

From -6927842436181518336
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f2098dbc2841ec5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 09:12:32 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!wuarchive!cs.utexas.edu!oakhill!nddsun1!
dover!darla.sps.mot.com!waters
From: waters@darla.sps.mot.com (Strawberry Jammer)
Newsgroups: rec.ham-radio
Subject: Another Alinco DR-590 question
Message-ID: <2497@dover.sps.mot.com>
Date: 12 Dec 90 17:12:32 GMT
Sender: usenet@dover.sps.mot.com
Reply-To: waters@darla.sps.mot.com (Strawberry Jammer)
Organization: Hacker's haven
Lines: 9
Posted: Wed Dec 12 18:12:32 1990

Can anyone tell me just what the "ADD" key does on the DR-590 front panel?

The manual says something about "added scan", but no specifics and I can't
seem to find any functionality associated with it.

*Mike Waters   AA4MW/7 waters@dover.sps.mot.com *

** If guns are outlawed, how will conservatives win arguments? **

From 6423289972964356045
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 09:15:16 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Another look at Radar Detector Legality for Hams
Message-ID: <1990Dec12.171516.9858@ux1.cso.uiuc.edu>
Date: 12 Dec 90 17:15:16 GMT
References: <693.27612B63@w8grt.fidonet.org> <34420@netnews.upenn.edu>
Organization: University of Illinois at Urbana
Lines: 16
Posted: Wed Dec 12 18:15:16 1990

depolo@eniac.seas.upenn.edu (Jeff DePolo) writes:

>Also, when agencies like the Department of Transportation or the National
>Highway Traffic Safety Administration set out to get traffic statistics,
>they use special radar guns that are not on the standard X or K frequencies
>for the sake of getting unbiased readings. If they used standard guns,
>they would set of detectors, and they would end up getting averages
>below what is typical.

One useful statistic is to conduct such studies with BOTH types of systems.
It tells you just how many people "know" they are going over the speed limit.
I've seen it done. The numbers are quite surprising.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 6567828009457534961
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31a8360191158b8e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 09:22:38 PST
Path: gmdzi!unido!mcsun!uunet!samsung!interlan.InterLan.COM!interlan.interlan.com!yetsko
From: yetsko@interlan.Interlan.COM (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: Another Look at Radar Detector Legality for Hams
Message-ID: <YETSKO.90Dec12084649@celtic.InterLan.COM>
Date: 12 Dec 90 13:46:49 GMT
References: <735.27656DF5@w8grt.fidonet.org>
Sender: news@interlan.Interlan.COM (No News is BAD News)
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 18
Posted: Wed Dec 12 14:46:49 1990
In-Reply-To: jim.grubs@w8grt.fidonet.org's message of 12 Dec 90 04:09:39 GMT
Nntp-Posting-Host: celtic.interlan.com

If you read the law, you can not be convicted on the evidence of fingerprints for a felony. That is SUPPORTING EVIDENCE. If all they have is fingerprints, you're free. If not then, on your first appeal.

Besides, in photo radar, who is to say there was no interference, not jamming by another vehicle (a common practice done by two individuals in NJ to PURPOSELY make innovent individuals get outrageous tickets they fight in court), or other conditions that may make the unit not lock correctly.

In most states, police have evolved POLICIES that they do NOT use autolock or alert modes, and a lot of new RADAR equipment now comes WITHOUT those features. The reasoning is, from police policy standpoint, that the OFFICER must FIRST observe a car exceeding his judgement of speed, then use the RADAR to VERIFY that fact and obtain an accurate reading.

Photo radar goes against police policy.

Mike Yetsko
N1DVJ

From -1676408795109581637
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a502a0e0ca9b4707
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 09:52:42 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!elroy.jpl.nasa.gov!ames!bionet!agate!shelby!unix!hplabs!hpfcso!vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: NEW NOVICE Seeks advice on first rig.
Message-ID: <7500060@hpfcso.HP.COM>
Date: 11 Dec 90 22:02:52 GMT
References: <10183@bunny.GTE.COM>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 69
Posted: Tue Dec 11 23:02:52 1990

> / hpfcso:rec.ham-radio / jp10@GTE.COM (Jeffrey Perry) / 11:30 am Dec 10, 1990 /
>
>   I just passed my novice test Dec 1 ! I am now working on my Tech!

Congratulations and welcome.

>
>   I would greatly appreciate any advice an recommendations on setting up my
>   shack, and purchasing radios and attennas. I plan on making my own antennas
>   since most people I have talked to say that it's easy, inexpensive, and
>   that these antennas get excellent reception. So my main concern is the
>   eternal question: Which rig? I want to work phone on 10 meters as soon
>   as possible since propagation is so good! I also want to do some CW and hope
>   to eventually get my general license! There are so many different brands and
>   models of radio! It's all very confusing. I also want to do packet sometime.

Your goals and requirements are reasonable. Get on 10 phone as soon as you can. With the excellent band conditions lately - these are going to be the good-old-days that we'll all be talking about for years to come. But definately don't forget CW. When 10 dies, as it does here at sunset, move on to 15, 40 and 80. You'll find a whole world of new interesting friends to visit with. And in a couple months you'll be ready for the General/Advanced code test.

>
>   I've been told most transceivers are general coverage now? Is this true
>   ? If not, would it be cheaper to get a ham bands only transceiver?

I don't know of any modern hf transceiver that doesn't also provide general coverage receive.

> Looks like
>   I need an allmode all band HF rig. Any recommendations? Someone recommended
>   the ICOM 735. Comments? How much would it cost used? Any other recommended
>   brands or models? I am CS major that tends to like features and "gadgets"

Which brand and type rig is a religous issue. You'll always be able to find someone that thinks rig A is the greatest and rig B is foo while the next person thinks the opposite. Look at them all. List the features. Find some local ham or club and play with their radios. Better to wait a little now and find one you really like. Some rigs to try include the ICOM 735 and 725, Kenwoods TS140 or TS440. Yaesu also makes similar rigs but I'm not familar with the numbers.

>   I think my personal preference would be an LCD display for the frequency, but
>   I am told that it is sometimes better to get an analog tune.

Yes. You want a digital display (LCD). Older rigs had analog displays. Some folks may like analog better. Try them both first for yourself.

Since you're into computers and gadgets I suggest a MUST requirement for your new radio be "computer" control. Most new rigs do this.

>
> Thanks in Advance!
>
>   73's
>
>   Jeff
>   (pending novice call sign KA1W--)
>
> --

Good luck in Ham Radio. Let us know what you get and how it works for you.

73's

Bill - WA7NWP

From 3812970271048354858
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b39b51f887746cb6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 09:53:55 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!ames!bionet!agate!shelby!unix!hplabs!hpfcso!vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: 10 meter rig recommendation?
Message-ID: <7500058@hpfcso.HP.COM>
Date: 11 Dec 90 21:16:56 GMT
References: <1990Dec5.212046.11491@midway.uchicago.edu>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 95
Posted: Tue Dec 11 22:16:56 1990

>/ hpfcso:rec.ham-radio / brian@positron.amd.com (Brian McMinn) / 4:26 pm Dec 8, 1990 /
>I'm also looking for a 10m mobile rig, but my requirements may be a
>bit unique. I'm well aware of what I'm asking for and I've donned my
>asbestos underwear in preparation for the flames I expect.

It's too bad someone discussing something useful and practical has to wear asbestos underwear.

>
>I live in Texas, and there are times (like holidays) when I find
>myself driving smack through the middle of >NOWHERE< after sunset.
>Now if you've ever driven through >NOWHERE< you'll understand why I
>would like to be able to talk with someone during those times.

I drive across Wyoming at night. BOTH hams are usually asleep. THE ranch has the lights out. It's >NOWHERE<. I've never been to Texas yet - I wonder if you can drive for as long without seeing any other cars or lights of any kind. (Besides the stars - which can be fantastic.)

> Since I can't use voice on 20m (being a mere Tech), that leaves me with 10m
>and up, none of which have any range at night.

>
>But wait, there's also CB, which has the same problem with range, but
>a lot more potential users. (Obligatory UGH!, CB!) Soooo, my choice
>is clear: either carry both a 10m mobile and a CB, or find a 10m
>mobile rig and modify it for CB/10m use.

Why say UGH? CB out of the cities is a useful and fun personal communications system. Which is exactly what it's meant to be.

>

>The Uniden 2510 and 2600 and the Radio Shack 10m rig seem to be the only real options here. Someone (kd6th@kd6th.nj.usa) has posted mods for the 2510. Will this work for the 2600 as well? If so, I'll probably get a 2600 since it has a few bells and whistles that the 2510 doesn't have. I'd like to hear from owners of all three radios (and any I've missed) on their likes/dislikes.

I have a 2510 and it's been converted to receive CB. I suppose it'll transmit there also if ever needed. It gives be both 10 and CB in a single box which is fantastic. Anything that reduces the number of wires and antennas really helps. (I didn't have any trouble with the number of radios until I started running packet mobile - :-)

The Radio Shack rig is similar but doesn't have AM. That won't help you on channel 19 where all the trucks and other road traffic is.

I haven't had any experiece with the 2600.

>
>Also, someone posted an article on how to make your modified ham rig resemble a legal CB on the air. Had some useful information on microphones and other things. I would appreciate a copy of that information if someone has kept it. (My goal is to keep a low profile if I do choose to modify a ham rig.)

The 2510 does have a hi/low modulation switch. Using low modulation and an antenna tuned for 10 (bad match on CB) you'll have a signal that won't be much different from a well tuned up CB set. Sorry, but I didn't keep the prior posting describing CB radios.

>
>[Aye Captain, shields on high]
>

The best option, as was rudely put in another response, is to upgrade. With access to all the ham bands you'll have no end to the folks to visit with.

Another option, which could actually help you upgrade, is perfectly legal and lots of fun. You already have CW privileges on 80, 40 and 15, of which 80 and 40 will both be open most of the night. Why not try CW? You'll be on the air, the miles will pass faster and your code speed will increase. Even better, a mobile CW signal will work much better than a SSB signal for the same power due to the lousy mobile antenna systems.

Also, while it's possible to modify a ham rig for CB use, the reverse is both possible and legal. The addition of some extra crystals or other frequency generation magic will put a CB on 10. Thus giving you a single rig that works for both bands. Some folks may say that a CB set with added frequency range is no longer legal on CB - but, if done carefully, it sure isn't going to hurt anything.

Good luck. Let us know what you come up with and how the holiday drives across Texas turn out. This year my folks from Montana are coming down to visit me in Colorado - so no Wyoming star gazing trip this winter for me.

```
>--
>   Brian McMinn                 brian@amd.com
>   Advanced Micro Devices       N5PSS
>   Austin, Texas                1-(512)-462-5389
>"You can't leap a chasm in two jumps."
>----------
```

Bill - WA7NWP

From 2262163860574660888
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4343e6cfbeb25c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 09:57:54 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins: Space Shuttle
Message-ID: <9012112222.AA04927@blackbird.afit.af.mil>
Date: 11 Dec 90 22:22:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Tue Dec 11 23:22:50 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current elements for the current shuttle mission are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
STS 35
1 20980U 90106  A 90344.83866997 -.00026968  00000-0 -18921-3 0   214
2 20980  28.4651 302.8104 0016781  37.0789 322.9493 15.73144587  1358
--
Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology
```

From -3139878433427263835
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a8d6d2c2482b442
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 10:17:56 PST
Path: gmdzi!unido!mcsun!uunet!motcid!froula
From: froula@motcid.UUCP (Don Froula)
Newsgroups: rec.ham-radio
Subject: Re: CMOS Super Keyer II, 11/90 QST

Message-ID: <4554@apricot29.UUCP>
Date: 12 Dec 90 18:17:56 GMT
References: <4538@apricot29.UUCP> <4140028@hpnjld.HP.COM> <656@ssc.UUCP>
Organization: Motorola Inc., Cellular Infrastructure Div., Arlington Heights, IL
Lines: 10
Posted: Wed Dec 12 19:17:56 1990

One thing about this keyer which is neither in the manual nor the QST
article is that it uses what Curtis Electro Devices (maker of the 8044
keyer chip) calls "B" timing. This characteristic automatically adds a
character of the opposite kind when the paddle is released.

This is the standard for most commercial memory keyers.

The stock 8044 keyer chip, which my old home-brew keyer used, did not have this
feature. It drove me crazy until I figured out what was going on! Now, I
really like the "B" timing better.

From -1758915722987308215
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 10:31:55 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!julius.cs.uiuc.edu!wuarchive!rice!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <0wB2T2w163w@phoenix.com>
Date: 11 Dec 90 21:51:56 GMT
References: <341@adept.UUCP>
Organization: One Man Brand
Lines: 227
Posted: Tue Dec 11 22:51:56 1990

alan@adept.UUCP (Alan Ruffer) writes:

> In article <oHqVT4w163w@phoenix.com> stanley@phoenix.com (John Stanley) write
> >
> >   What is the real progress? Changing the name from rec.ham-radio to
>
> John, I have to ask how can a logical person say that a name change to
> better describe this group to tens of thousands of sites worldwide is not
> progress?

I see. Ham-radio is a rather specific term, which is probably pretty
well known worldwide. Amateur is a generic english word, which means, as a
first approximation, 'not professional'. Since dictionaries seem to mean
'final arbiter of all' to you, here are quotes, from The Living Webster:

"Amateur: One who cultivates any art or pursuit for the enjoyment of it, instead of professionally or for gain, sometimes implying desultory action or crude results." There is no mention of radio in this definition.

"Ham: (under a section of the definition labelled 'radio') a licensed operator of an amateur radio station."

So, ham when applied to radio specifically determines the subject. Amateur when applied to radio implies ANY non-professional activity including radio.

Keep in mind, I am reading this as someone who does not know what ham radio is, does not know English, and looks every new word up, which is the basis for your claim for the change being good. Only those worldwide beings who do not know what ham-radio is would benefit from the name change. Sadly, if they don't know either ham or amateur, the dictionary does not define radio.amateur as well as it does ham-radio, and they will not benefit. They lose. This is a step backward.

Not an unreasonable occurence: "Hey, I run a pirate station in Greece, but I don't do it professionally. I am an amateur user of radio, but I am not a licensed amateur radio operator. If I saw radio.amateur and looked it up I would guess I fit in. If I saw ham-radio, and looked it up, I would know I don't."

Oh, then read the charter. That will clear things up. Well, the current charter clears things up, too. So, if reading the charter is the primary way of identifying groups, there is no reason to change.

> Merriam-Webster defines real as: Authentic, genuine, actual and true.
> Progress is defined as: To develop a higher, better or more advanced stage.
> How can you state that it is not progress of ANY kind? Are your criteria
> different than that of the international dictionary? If so, why?

Which section of your dictionary defines the name change of rec.ham-radio as a higher, better, or more advanced stage? I happen to use the same definition of progress as Mr. Webster. I just realize that the name change is not a higher, better, or more advanced stage. It is just different. Since it is not a h, b, or mas, it is not progress. That is how I can say it is not progress of ANY kind. A chickadee is not a cat, so I can say a chickadee is not ANY kind of cat.

And, as Mr. Webster has shown above, renaming will actually broaden the definition of the group instead of clarifying it. This is a step backward.

> >   Since there was an affirmative reply to the post of one site against
> >it, then there are obviously TWO sites. If there are TWO, then there are
> >probably more.
>
> Maybe not, and if so, so what? The majority consensus will prevail as define
> in the net rules established for creation of new groups. Two sites MAY be 2
> no votes if they even take the time to vote.

That comment was in the context of a claim that I was the only objector. I pointed out that that statement was false. It shows the trend in the arguments of the proposal supporters to make proveably false statements. You have not proven it was true, so you argue into the wind. It goes with the provably false argument that this change would involve editing only one file.

> Since you obviously are not up to speed on group creation, removal etc, a short education is in order for you. Many sites have AUTOMATIC new group creation enabled. Those that do not, require a simple intervention by the news administrator.

Not all sites require a simple intervention. You make unwarranted assumptions about the world. For someone at an easy site to claim that it is easy everywhere is an insult to those who are at the difficult site.

> I am the news administrator at this site, so don't try to snow me with how difficult this all is!

You are an admin at an easy site. I am an admin at a difficult site. Don't try to 'educate' me as to how easy it is, cause it ain't. The only snow here is from those who have easy sites and don't like hyphens.

> > The only real change is the addition of a .rules or .legal subgroup,
> > which could be done WITHOUT any other name change.
>
> Wrong. See defininition of "real" above.

My entire statement is correct. Moving an entire tree enmass from one parent to another involves no change in the tree. This name change is exactly like mv'ing a directory that has subdirectories from one parent to another. Nothing in the children changes. Only the full path changes, but if you have trouble with files being in two children at the same time, mv'ing the parent directory will not fix that.

> Sure it COULD be done without any other changes.
> If you are not going to change something with the goal to make it as near perfect as something man-made can be, why bother at all?

You are saying the renaming rec.ham-radio will make it as near perfect as something man-made can be? Then those who took part in the Great Reorg, who created rec.ham-radio, did not do their best? Of all the problems people are having with ham-radio, this solves NONE of them, and makes it less specific from the name what the group is about. Take two steps back.

> Do you approach all your projects with an attitude of why bother to do my bes

That is just silly. Claiming that renaming rec.ham-radio is the best is just silly. It is one of those unsupportable, unsupported allegations that keep getting tossed into the discussion.

> > Your post is yet another wild claim of perceived benefit with no
> > justification provided, and it the only utter nonsense here. I have asked
> > several times for a real justification for this change, and NOBODY has

> >answered. The only "reason" so far is "it's a new name". So what?
>
> The JUSTIFICATION was stated at the beginning of the reply as well as by numerous other posts on this subject. The only wild claims were made in your emotional original post and reply.

I did not make the original post. Are you sure I am who you think I am?

The only justification given has been that 1) it makes the name better, and 2) it makes the name less archaic.

1) was pretty well shot down by Mr. Webster. 2) is a personal opinion, and has not been justified. Archaic is not bad, per se. "Ham-radio" (as a hyphenated word) does not match any of the bad definitions of archaic.

> I've seen some negative posts in the last 4 years in this group.

Did you see the reply form Paul to my alternative proposal? That was pretty negative, and certainly more negative than anything I have posted. I keep asking for the reasons for the change, and I keep getting the same unsupported claims and subjective analyses of how bad the name is. Nobody can supply a reason that makes the effort worthwhile. I took those same unsupported claims and generated a better proposal, one that included groups for other amateur users of the spectrum (some that were explicitly asked for in responses to the CALL but were ignored by the original authors), and specified the name better, and got a two line pot shot in return. That is being negative.

> You should be proud to be right up there with the worst of them, providing
> NO rational basis for your claims.

I was making the assumption that those I was talking with were cognizant enough to realize that the whole world is not C news and UNIX, and that some sites are more difficult to manage than others. That they realized that 'difficult' and 'hard' are highly subjective terms, and that what they perceive as easy is not easy for everyone. That different procedures that achieve the same results at different places are not necessarily all equivalent as to difficulty. That, perhaps, one person saying 'this is not easy' would gently remind them of these facts, without having to provide crossed-t's and dotted-i's and counts and statistics and ad nauseum.

However, I see this belief is unjustified.

Not every site in the world runs UNIX and C News. There are alot of VMS sites. There are alot of IBM VM/CMS sites. There are a lot of Xenix sites. There are alot of PC sites. There are alot of 'you name them' sites, that are not UNIX and not C news.

Not every site in the world feeds everything. Some sites take only what they want. Some just physically couldn't handle the load. Some have management limitations (cf. the recent post re: sci.ham-radio in news.groups) that prevent full feeds. Some are allowing news as long as it takes no work to maintain, or on a tentative footing (cf: the post from the gentleman from the University who is in this situation). Most sites provide feeds to others on a free basis. That means that any changes requested by the feed fall at the bottom of the stack.

'Hard' and 'easy' are subjective terms. That means what is hard is very much dependent on who is doing it. What is easy for you may be hard for others. If this were not true, then we would all be UNIX gurus, and make millions playing professional sports. A friend of mine is struggling with an HP printer. I could set her up in about 5 minutes, but this is for work and I don't work there. It is hard for her. If I said 'oh, that is easy', that would be rude and insulting.

Since not every site in the world is the same, they don't all do the same things in the same way. Some of the equivalent procedures may be easy at your site, and not easy at another. Compare this with computer languages. Complex arithmetic in FORTRAN is easy. Complex arithmetic in C is not so easy. Both come out with the same results.

> You are guilty of the very same error
> you accuse me and others of making.

You are guilty of ignoring the variance in the world. I am guilty of assuming you would know there WAS variance.

> This is an extremely inaccurate analogy.

It is extremely accurate. Renaming rec.ham-radio will obscure the fact that it is for ham radio, just like rec.radio.noncomm seems to mean ANY noncommercial radio. Renaming NYC to SBN will hide the fact that it is in NY. Renaming r.h will not fix the problems with cross posts, or anything else. Renaming NYC will not fix the roads or the potholes or the crime. In both cases, you wind up with the same thing under another name.

> I never claimed that the name
> change would provide a solution to this groups problems. Maybe next time

<<important plot element follows>>

If the change does not provide a solution to this group's problems, then WHY DO IT? If it ain't broke, don't fix it. Change for change' sake is not progress, it is chaos.

> you should spend as much time reading as you do wasting bandwith with
> inaccurate analogys, erroneous and inflamatory claims.

I would suggest that you think about what I write, and perhaps you will catch the analogies and understand the claims the first time, instead of making me dot all the i's and waste all the precious bandwidth explaining everything twice.

```
From 3044582877446170558
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-Thread: 1157da,898c109b475b71e9
X-Google-Attributes: gid1157da,public
X-Google-ArrivalTime: 1990-12-12 10:32:18 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!
wuarchive!rice!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: news.groups,news.admin,rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <q0B2T3w163w@phoenix.com>
Date: 11 Dec 90 21:59:25 GMT
References: <1990Dec9.201517.27809@eci386.uucp>
Organization: One Man Brand
Lines: 25
Xref: gmdzi news.groups:23506 news.admin:9734 rec.ham-radio:17739
Posted: Tue Dec 11 22:59:25 1990


woods@eci386.uucp (Greg A. Woods) writes:

> In article <1990Dec6.095416.7724@EE.Surrey.Ac.UK> eep1mw@surrey.ac.uk (Mike W
> > I had enough difficulty getting the University to enable the current
> > groups, changing things just makes life difficult. We will probably lose
> > the service altogether.
>
> I can't imagine why an educational institution would have trouble with
> anything to do with Amateur Radio!  Maybe this shows how poor our PR is.

   Not all groups deal with ham radio.

   Universities, in particular, have shown increasing concern about
providing USEnet news to their students/staff. They are concerned about
free speech issues and liability for racist or sexist remarks made in
news systems they run. The admins are concerned about the net.flamage
that a student/staff member can generate by posting things in poor taste.
The PSU admin did not escape the flames when his site was guessed to be
the source of a BIFF post. The admin of the site that sourced an explicit
description of sex between the crew of the Enterprise is probably less
than happy that his site has USEnet.

   If you worry about these things, the easiest thing to do is not carry
ANY news.


From -8422791976577699714
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d5ce4b29af6a06a
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1990-12-12 10:39:46 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!swbatl!ken
From: ken@swbatl.sbc.com (Ken Gianino 5-9081)
Newsgroups: rec.ham-radio
Subject: Re: need antenna information
Message-ID: <1990Dec12.151304.29733@swbatl.sbc.com>
Date: 12 Dec 90 15:13:04 GMT
References: <48002@sequent.UUCP> <4140029@hpnjld.HP.COM>
Organization: Southwestern Bell Advanced Technology Laboratory
Lines: 24
Posted: Wed Dec 12 16:13:04 1990

Amateurs seem to have a total lack of interest in broadband HF antennas and matchers. Untill recently that also included me. My company maintains an extensive HF system for disaster (earthquake) recovery and has switched from 120 ft. wires with digital couplers to broadband delta loop antennas- with good results. We probably have 180 ft of wire in the loop with 10:1 baluns inserted at the center of the base and at the apex. You feed the loop with 50 Ohm line at the base and the top balun has 50 Ohm cable fed back down to a dummy load. The SWR is flat enough from 2 to 9 MHz to satisfy our 1 KW solid state linears. I realize that there is a couple S-unit penalty, but given the difficulties of erecting an efficient 80m dipole on a small lot, it seems worth a try.

Maxcom took a lot of flack from QST about their matchers a few years back. Has anyone ever built a simple resistive swamping unit and tried it out on 80m? I am going to try the balun idea with some inexpensive 4:1 units to test an idea. I thought a wire run completely around the house under the eaves might be an effective and hidden antenna on 80 & 40m.

To add some credibility to the subject, Collins is advertising a passive antenna matcher with their Spectrum 2000 (I think that's the name) line of HF radios. It is a little more sophisticated and has three passive R-L-C networks that are blindly selected by the radio by frequency band.
Ken - WB0QNA

From -5840416370088825534
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-12 11:12:40 PST
Path: gmdzi!unido!mcsun!uunet!olivea!sun-barr!ccut!s.u-tokyo!rkna50!nttlab!siva!will!kitagawa
From: kitagawa@will.ntt.jp (Masahiro Kitagawa)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <13576@will.ntt.JP>
Date: 12 Dec 90 08:40:49 GMT

References: <19@shasta.Stanford.EDU>
Sender: kitagawa@will.ntt.JP
Followup-To: news.groups
Organization: JA3YKC
Lines: 11
Xref: gmdzi news.groups:23507 rec.ham-radio:17742
Posted: Wed Dec 12 09:40:49 1990
In-reply-to: paulf@shasta.Stanford.EDU's message of 4 Dec 90 17:26:04 GMT

I agree for rec.radio.ham.*.
I am against rec.radio.amature.*.
"Ham" is not just a slang or jargon. It has been widely recognized.
Preserve the term "ham", please !

73 de JH3PRR

*--- **** ***-- *--* *-* *-*
Masahiro Kitagawa
NTT Research Labs. Tokyo Japan
kitagawa@wave.ntt.jp

From 8581852126102562683
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6250390c3acd97b8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 11:14:52 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!att!news.cs.indiana.edu!sdd.hp.com!
wuarchive!julius.cs.uiuc.edu!apple!snorkelwacker.mit.edu!mintaka!spdcc!mirror!
ssi3b1!shyoon!tegra!vail
From: vail@tegra.COM (Johnathan Vail)
Newsgroups: rec.ham-radio
Subject: Re: How do I mount this feedline?
Message-ID: <1845@atlas.tegra.COM>
Date: 12 Dec 90 19:14:52 GMT
References: <8604@lanl.gov>
Organization: Tegra-Varityper, Inc., Billerica, MA
Lines: 23
Posted: Wed Dec 12 20:14:52 1990
In-reply-to: hgm@lanl.gov's message of 11 Dec 90 23:21:49 GMT

In article <8604@lanl.gov> hgm@lanl.gov (Harry McGavran) writes:

> Does anyone have suggestions for the best ways of mounting
> ladder-line along the side of a building. In this case,
> the ladder-line line is really the twin lead type that is nearly
> and inch wide and has windows cut into it every few inches.
> Some type of stand-off insulated mounting is what's needed here.
> Hopefully someone has been through this problem before and
> will have a clever suggestion or two.

Or how about a good way to bring it into the house. I am thinking of drilling two holes right through the wall and using like #12 wire to go through the holes. Any better ideas?

"The crux of the biscuit, is the apostrophe" -- This is the dog talking...

```
 -----
|     | Johnathan Vail | n1dxg@tegra.com
|Tegra| (508) 663-7435 | N1DXG@448.625-(WorldNet)
 -----  jv@n1dxg.ampr.org {...sun!sunne ..uunet}!tegra!vail
```

```
From -5704959661388706548
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b39b51f887746cb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 11:36:45 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!lll-winken!sun-barr!newstop!sun!amdcad!mozart.amd.com!reed
From: reed@mozart.amd.com (David F. Reed)
Newsgroups: rec.ham-radio
Subject: Re: 10 meter rig recommendation?
Message-ID: <1990Dec12.193645.29746@mozart.amd.com>
Date: 12 Dec 90 19:36:45 GMT
References: <1990Dec5.212046.11491@midway.uchicago.edu> <7500058@hpfcso.HP.COM>
Organization: Advanced Micro Devices, Inc.
Lines: 56
Posted: Wed Dec 12 20:36:45 1990
```

In article <7500058@hpfcso.HP.COM> vodall@hpfcso.HP.COM (Bill Vodall) writes:

>>I live in Texas, and there are times (like holidays) when I find
>>myself driving smack through the middle of >NOWHERE< after sunset.
>>Now if you've ever driven through >NOWHERE< you'll understand why I
>>would like to be able to talk with someone during those times.
>
>I drive across Wyoming at night. BOTH hams are usually asleep. THE ranch
>has the lights out. It's >NOWHERE<. I've never been to Texas yet - I wonder
>if you can drive for as long without seeing any other cars or lights of
>any kind. (Besides the stars - which can be fantastic.)
>
>> Since I can't use voice on 20m (being a mere Tech), that leaves me with 10m
>>and up, none of which have any range at night.
>
>The best option, as was rudely put in another response, is to upgrade. With
>access to all the ham bands you'll have no end to the folks to visit with.
>
>Another option, which could actually help you upgrade, is perfectly legal and
>lots of fun. You already have CW privileges on 80, 40 and 15, of which 80 and
>40 will both be open most of the night. Why not try CW? You'll be on the
>air, the miles will pass faster and your code speed will increase. Even better,
>a mobile CW signal will work much better than a SSB signal for the same
>power due to the lousy mobile antenna systems.

Brian and the rest, what has been suggested here in the form of :
try cw mobile
upgrade your ticket

are both very worthwhile suggestions; both Yaesu and Icom offer excellent mobile rigs (I will leave out of the discussion the rigs without LCD displays because they are practically useless in bright sunlight) which offer a companionremote tuner for a whip, which will resonate 80-10 m, including the WARC bands;
the Yaesu 747 can even be had in a version which lets you remote mount the control panel.

I have used the Icom 725 and AH2 combination mobile, and have over 160 dxcc countries confirmed with it, on ssb. some were easy, some hard... but all were fun, and they wiled away a few zillion hours driving around west texas.

Mobile cw? well, I like it, but it is not for everyone, and I would recommend practicing it a while when someone else is driving first... it is distracting initially, and hard if you haven't mastered the art of copying cw as words.

DRAWBACK: it costs more; lots more (pick up an AEA catalog and see...)
BUT it is well worth it, and will let you use it as base rig when you want to; in that application, I think the tuner will tune a 40'or longer wire to 160m, sothe option of using a longwire at home is there...(of course, avoiding any length that looks like 1/2 wave at operating frequency...).

cheers
DFR

--
____
"...just my opinion, not speaking for AMD." KK5D, 7J1AGO, XE1ZDR
David F. Reed   4512 Clarno   Austin TX 78749
packet: KK5D@KB5PM   driving by? try 442.150 repeater

From 2679065213775392699
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a8d6d2c2482b442
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 12:38:23 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!sdd.hp.com!ucsd!ucbvax!UNCG.BITNET!MOSIER
From: MOSIER@UNCG.BITNET (Steve Mosier)
Newsgroups: rec.ham-radio
Subject: Re: CMOS Super Keyer II, 11/90 QST
Message-ID: <EEF00D72C79FE02374@uncg.bitnet>
Date: 12 Dec 90 13:01:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13

Posted: Wed Dec 12 14:01:00 1990

WA2SRQ asks about the iambic feature on the Super Keyer II. I can't find any way to turn the iambic off on mine. This is the first iambic keyer I have used and it has taken me a couple of weeks of solid sending practice to master it. But having done that, I would NEVER go back to a non-iambic keyer. It really reduces the amount of paddle/hand motion. I love it! One other comment: I did not get the hang of it until I read exactly what the iambic mode is, namely that when both paddles are squeezed and released, it completes the character it is on (whether dah or dit) and then follows it with the opposite character. As soon as I realized that and started planning for it, it suddenly started WORKING!! Thus, holding one paddle over while simply tapping the other one takes care of F, L, Q, Y, R, and K, while squeezing does the C. Effortlessly!

Steve, W3GRG

From 3534446637030449971
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,374a07fc721d56a2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 12:38:34 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9012112249.AA09984@tilde>
Date: 11 Dec 90 22:49:30 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 26
Posted: Tue Dec 11 23:49:30 1990

In <sifakis@sono.uucp (George Sifakis)> George asks:

>Can I measure real (not relative) Watts using a Heath Cantenna dummy
>load? The thing provides a circuit with a divider (100K in series,
>100 to the ground) plus a rectifying diode in series. How can I read
>a voltmeter connected to that circuit?
>

Let's see-- P equals E squared over R. R is 50 ohms which is the dummy load. An RF voltage is impressed across this R and we can rectify this voltage. This becomes E. We impress E across the two 100K ohm resistors in series, and read the voltage (let's call it X) at the junction of the two (have I correctly identified the circuit?)

To determine P, then, we take X and multiply it by 2 (to get E), square this value, then divide by 50. A 100-watt RF source should give a voltage reading at X of 35.35 volts. To read the power directly in watts, you need a meter with a scale calibrated to the formula.

The meter should connect between the junction and ground, and should have an input impedance of at least a megohm.

73,
Dube Todd   N5PDK

"Why waste time learning, when ignorance is instantaneous?"   -Hobbes

From -7425105482219407232
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,374a07fc721d56a2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 12:38:37 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9012112309.AA11008@tilde>
Date: 11 Dec 90 23:09:34 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 27
Posted: Wed Dec 12 00:09:34 1990

In <edg@netcom.UUCP (Edward Greenberg)> Edward asks:

(Re: Another CW Question from A Technician :-))

>>In English this is: good evening old man, thanks for the call. Your signal
>>report is 599. My location is San Ramon, Ca. My name is Jerry. How do
>>you copy?
>>
>I note that lots of exchanges include the HW CPY? on each call. Does this
>question refer to another signal report or an inquiry as to how much of the
>transmission did the other fellow get?

It may be either, or even both. When both ops have reported good signals, say, 599, it probably isn't necessary. Usually, weak signals, QSB, or QRM/N may cause one or both ops to wonder if conditions have changed enough at the other end to cause problems. Or, you may have rotated your antenna to get a better "bead" on the other station and ask. An op may wonder if he (she) is sending too fast (or too slow). I use HW CPY? at the first exchange, and HW NW? occasionally during the ensuing exchanges according to conditions.

It is easy to slip into a habit, and I suspect that many ops just send it out of habit. (It keeps your "Y" sending in practice, if nothing else) :)

73,
Dube   N5PDK

"Why waste time learning, when ignorance is instantaneous?" -Hobbes

From 8829928508902974366
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e726e0bde8e1314,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 13:23:16 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!tekchips!tekgvs!sail!georgep
From: georgep@sail.LABS.TEK.COM (George Pubanz)
Newsgroups: rec.ham-radio
Subject: MACMORSE & HyperCard Stacks
Keywords: Code_Practice FCC_Exams HyperCard
Message-ID: <8582@tekgvs.LABS.TEK.COM>
Date: 12 Dec 90 21:23:16 GMT
Sender: news@tekgvs.LABS.TEK.COM
Lines: 16
Posted: Wed Dec 12 22:23:16 1990

I am trying to obtain copies of software for the Macintosh to help my wife get her amateur ticket. I have seen references in the past to MacMorse and I am very interested in this program. Are there other code practice applications available for the Mac? I have also read about the HyperCard stacks which allow practice of the various theory elements. These too would be helpful.

I would appreciate an E-mail response from anyone who knows how to get copies of these applications. Thanks for the help and Happy Hollydaze.

George Pubanz   19285 SW Willow Creek Ct.
N7NYE   Aloha, OR 97006
georgep@sail.LABS.TEK.COM   503-645-7329

From 516409425590509842
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f551e79c858d1b8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-12 13:31:11 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!think.com!mintaka!bloom-beacon!deccrl!news.crl.dec.com!shlump.nac.dec.com!delni.enet.dec.com!goldstein
From: goldstein@delni.enet.dec.com (Fred R. Goldstein)
Newsgroups: rec.ham-radio
Subject: Re: W.W.II
Message-ID: <18138@shlump.nac.dec.com>
Date: 12 Dec 90 21:31:11 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 29
Posted: Wed Dec 12 22:31:11 1990

In article <9012082234.AA00761@ucsd.edu>, PERRYR@WABASH.BITNET (GWYFFD) writes...
Did every amateur station in the country go
>into mothballs "for the duration" ?

In a word, YES.

Amateur radio operations began to shut down worldwide as the war began. By 1940, most of Europe (and Canada) was off the air, and by 1941 little international operation was possible. After Pearl Harbor, USA hams were off; operation resumed some time after V-J day.

Remember why we still have our frequencies: Amateur bands are in fact "the RESERVES" that the military can "call up" in time of major war. During WW II, HF bands were the workhorses, so the military built all those "command sets" and other radios that conveniently were converted to ham use after the war. Since WW II, the military has sided with hams against other encroachments onto our bands. Not because they like us so much, but because they know we'll be off the air the moment they need the bands.

I'm not THAT old, but I've read a bit about it, and even once had some 1940's QSTs that were discussing what to do after the war ended and the hams could get back on the air.
---
Fred R. Goldstein k1io   Digital Equipment Corp., Littleton MA
goldstein@delni.enet.dec.com   voice: +1 508 486 7388
 Do you think anyone else on the planet would share my opinions, let
 alone a multi-billion dollar corporation?

From 5510307379718722670
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 22:24:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <0y5ZT4w163w@phoenix.com>
Date: 11 Dec 90 06:24:20 GMT
References: <28@shasta.Stanford.EDU>
Organization: One Man Brand
Lines: 90
Posted: Tue Dec 11 07:24:20 1990

paulf@shasta.Stanford.EDU (paulf) writes:

> In article <JLyyT3w163w@phoenix.com> stanley@phoenix.com (John Stanley) write
> >   No, read what I wrote. If you do NOT want rec.ham-radio.legal, you
> >need do nothing at all. If you do not want rec.radio.ham.legal, you will

> >still need to mangle the news feeds to get rec.radio.ham. There is no
> >contradiction here.
>
> Wrong. If you want rec.ham-radio.legal, you have to manually mkgroup it,
> since (by your first statement) people have turned off automake to handle
> the alt shotgun. Otherwise it'll end up in junk. That was the contradiction

Read what I wrote. If you do _NOT_ want rec.ham-radio.legal ... You keep missing the NOT part of the sentence. You are not authorized to drop random words in other peoples arguments just so you can make whatever point you want to make. If you do NOT drop the NOT, there is no contradiction.

If you created .legal in rec.ham-radio, anyone who does not want it has 0 (zero) work to do. No changes in feeds, no changes to active files. This is easy.

If you move rec.ham-radio to rec.radio.ham, and add .legal there, anyone who does NOT want .legal will still be required to make the changes to get rec.radio.ham. This is positive, non-zero effort. You claim it is editing one file. That is demonstrably false. Even so, it is one chance to mess up what is already there.

As the end result, the structure of the ham radio group would be exactly the same IN EITHER CASE. There would be a top level group for general discussion, a swap subgroup, a packet subgroup, and a legal subgroup. This structure would be the same if the group were under rec.radio or directly under rec. The management of growth would be the same. Identical. No difference. Zero (0).

The only difference is in the work required to make the changes to move it all under rec.radio. Since there will be no difference in the results, why go to the effort?

> There IS however a status associated with being archaic, and I'd rather that
> ham radio wasn't stuck with said status.

So the entire argument in support of moving rec.ham-radio is that you don't like hyphens. Let's all mix everything about just to keep Paul from having to see a hyphen.

> The noncomm refers to noncommercial broadcast radio. Read the charter. With
> the exception of certain legally dubious operations, ham radio is not
> broadcasting.

And since this is a reorg, what stops us from changing the charter? Especially if it leads to a better solution to the problem. You ignored the ability to do that in your pot-shot post. Amazing, isn't it, but EVERY idea I used in the alternate proposal was based on arguments provided by supporters of this one.

And even without a charter change, USEnet is anarchy, remember?

> Incidentally, PBS is NOT running advertisements. Note that the sponsorship
> messages don't mention specific products. (One did once and the FCC got
> very angry, very angry indeed.)

"Jeff Smith's Frugal Gourmet Cookbook is available for $24.95 by calling 1 800 555-1212." Can't get too much more specific than that, can you. Have you also noticed that some commercials on commercial TV are designed with the sole intent of keeping a company name in your mind? Borden did this for a while. Chrysler, I recall, had a bunch where they didn't hype any one car, just that Chrysler was back, better than ever. Infiniti had a series where they didn't even have a car, just seasides and scenic views -- and the Infiniti logo. No difference from showing me the XYZ company logo and saying "underwriting provided by...". Or telling me "... Syracuse China, manufacturer of fine china in Syracuse for 57 years."

And, yes, there was an experiment several years ago, approved by the FCC, testing adverts on PBS. It was just a few stations. Part of the fallout, after pressure from PBS's, was that it is now ok to use company supplied graphics.

> I'm sorry, but you've consistently overstated the difficulty in both actions
> to be taken, and the number of sites that will have to take those actions.

No, I'm sorry, but you've consistantly overstated the benefits of this change. "No benefit" has been dramatically inflated.

By all means, we need a new subgroup for rule pondering and debating. Add it. It can be added with NO other changes, with less effort, and with the same results -- barring the hyphens.

From 1098304446834393183
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2df8088568797d1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 23:02:50 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!ucsd!dog.ee.lbl.gov!pasteur!ucbvax!WABASH.BITNET!PERRYR
From: PERRYR@WABASH.BITNET (GWYFFD)
Newsgroups: rec.ham-radio
Subject: Mods files....
Message-ID: <9012102057.AA17462@ucsd.edu>
Date: 10 Dec 90 19:45:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6
Posted: Mon Dec 10 20:45:00 1990

Last year, I know that someone had put together a server that supported a whole bunch of mods files. Does anyone know where it went? Is it FTPable?

KB2JAC/9
PERRYR@WABASH.Bitnet

From 2490399490078161783
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4d4f5d282869d9e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 23:11:41 PST
Path: gmdzi!unido!mcsun!uunet!optilink!elliott
From: elliott@optilink.UUCP (Paul Elliott x225)
Newsgroups: rec.ham-radio
Subject: Re: High-speed links
Summary: Delays in full-duplex voice communications links
Message-ID: <4968@optilink.UUCP>
Date: 10 Dec 90 19:04:24 GMT
References: <1990Dec6.173817.7829@mentor.com>
Organization: Optilink Corporation, Petaluma, CA
Lines: 33
Posted: Mon Dec 10 20:04:24 1990

In article <1990Dec6.173817.7829@mentor.com>, mbutts@mentor.com (Mike Butts) writes:

> In article <5591@qip.UUCP>, elliott@optilink.UUCP writes:
> >[re: delays > 10 ms] but is unacceptable for
> >real-time voice connections, where end-to-end delays of much more than a
> >few milliseconds are intolerable (in full-duplex, anyway).

> We experience end-to-end delays of up to 250 milliseconds in full-duplex
> OSCAR 13 SSB, and it's quite tolerable.
  [...]
> Not that the lack of delay wouldn't be desirable, but for the record, a big
> delay is being tolerated today.

Well, I can't argue with a working system!

I guess my telecom background is showing -- I've obviously been spending too much time reducing buffer delays in my rate converters ;-)

One advantage of ham radio-style full duplex is that there isn't a two-wire-to-four-wire conversion taking place at each end (the telephone "hybrid" function). This eliminates the complication of having to deal with the echo caused by imperfect line terminations at the hybrids (and in the in-line analog repeaters). This echo is probably the driving factor in the delay time specifications I work with.

This is good news to hear. It makes it seem much more practical to send real-time voice hither and yon via the packet network!

-Paul wb6cxc

--

Paul M. Elliott   Optilink Corporation   (707) 795-9444
{uunet, pyramid, pixar, tekbspa}!optilink!elliott
"Think Blue, Count Two."

From 7582368000930587309
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 23:12:17 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!elroy.jpl.nasa.gov!ncar!gatech!bloom-beacon!deccrl!news.crl.dec.com!shlump.nac.dec.com!esis.enet.dec.com!magid
From: magid@esis.enet.dec.com (Joel Magid...)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <18020@shlump.nac.dec.com>
Date: 10 Dec 90 20:36:16 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 7
Posted: Mon Dec 10 21:36:16 1990

>>
> Actually, this is very unlikely, because there has not been a
> Notice of Proposed Rule Making (NPRM) for any such action.
>

I believe NPRM 90-55 will do for this

From -876561105226588649
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6c07882e0bd77678,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 23:15:07 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!mikemr
From: mikemr@microsoft.UUCP (Michael MRAZ)
Newsgroups: rec.ham-radio
Subject: 3W4DX
Message-ID: <59664@microsoft.UUCP>
Date: 10 Dec 90 17:33:48 GMT
Organization: Microsoft Corp., Redmond WA
Lines: 6
Posted: Mon Dec 10 18:33:48 1990

Has anybody on this newsgroup worked 3W4DX? I had the
pleasure this morning on 40m at about 0620 Pacific time (1420z).
He was operating non-split on 7005. Viet Nam seems to be getting
more common---does anybody have info from the callbook on how many
hams are premanent residents now? I thought most of the 3W calls
belonged to visiting hams.

From 1524107014231082972
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f19630e07c0a6e24
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 23:15:24 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!
elroy.jpl.nasa.gov!lll-winken!unixhub!shelby!paulf@shasta.Stanford.EDU
From: paulf@shasta.Stanford.EDU (paulf)
Newsgroups: rec.ham-radio
Subject: Re: Alternative proposal - The Grand Radio Reorg
Message-ID: <29@shasta.Stanford.EDU>
Date: 10 Dec 90 20:57:34 GMT
References: <9k1yT5w163w@phoenix.com>
Organization: The Three Packeteers
Lines: 7
Posted: Mon Dec 10 21:57:34 1990

#include <standard paulf Proton - Plasma *Flame* Warning>

Aside from violating the existing rec.radio tree, and being incompatible with
info-hams, this article was a fascinating spasmodic contradiction.

-=Paul Flaherty, N9FZX | Without KILL files,
->paulf@shasta.Stanford.EDU | life itself would be impossible.

From -6108241918087858333
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 23:15:26 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!elroy.jpl.nasa.gov!lll-winken!unixhub!
shelby!paulf@shasta.Stanford.EDU
From: paulf@shasta.Stanford.EDU (paulf)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <28@shasta.Stanford.EDU>
Date: 10 Dec 90 20:51:30 GMT
References: <27@shasta.Stanford.EDU> <JLyyT3w163w@phoenix.com>
Organization: The Three Packeteers
Lines: 62
Posted: Mon Dec 10 21:51:30 1990

In article <JLyyT3w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
>   This is a problem with alt. In one breath you differentiate USEnet
>from alt, and in the next you don't. Be consistent.

My references were extremely consistent. Flagrant mkgrouping is occurring
in ALT. alt.swedish-chef.bork^3 is an example of a group that violates the
hierarchal structure. No contradicion there, _for the purposes for which the
definitions were used_.

>   No, read what I wrote. If you do NOT want rec.ham-radio.legal, you
>need do nothing at all. If you do not want rec.radio.ham.legal, you will
>still need to mangle the news feeds to get rec.radio.ham. There is no
>contradiction here.

Wrong. If you want rec.ham-radio.legal, you have to manually mkgroup it, since (by your first statement) people have turned off automake to handle the alt shotgun. Otherwise it'll end up in junk. That was the contradiction.

>   In your opinion. Above you say there is no justification for the
>status of ham-radio being at the second level. Here you say there is no
>status. This seems to be a contradiction.

Logical hierarchy and "status" are not necessarily isomorpic. For example, do names that begin with "A" have more status than those that begin with "B"? There IS however a status associated with being archaic, and I'd rather that ham radio wasn't stuck with said status.

>   Of all the rec.radio, ham-radio is supposed to be the least
>commercial. Even PBS stations are running adverts these days ("This
>program was funded by ..."). So, we are more noncomm than noncomm. The
>noncomm name fits us better than those who are there now.

The noncomm refers to noncommercial broadcast radio. Read the charter. With the exception of certain legally dubious operations, ham radio is not broadcasting.

Incidentally, PBS is NOT running advertisements. Note that the sponsorship messages don't mention specific products. (One did once and the FCC got very angry, very angry indeed.)

For the vast majority of sites, the name change will involve only editing in the new names and removing the old (and this assumes that the mkgroup hack isn't finished by then). No change in feed will be necessary, as again, the vast majority of sites that receive rec.ham-radio.* also receive rec.radio.*.

I'm sorry, but you've consistently overstated the difficulty in both actions to be taken, and the number of sites that will have to take those actions. I say this having managed several sites (marque, a few ihnnn, shasta) over the past five years or so. I'll be the first one to admit that there are people who have been around here one heck of a lot longer; those that I know of, I've consulted, and they tend to agree with my assessment. That's also the purpose of a CFD.

The split we've proposed took in a number of concerns, the biggest of which was the info-hams mailing list; we split off the legal discussions instead of the technical discussions to better meet the needs of that community. We're currently evaluating some of the other proposals we're seen (the "amateur" mapping seems likely at this point).

-=Paul Flaherty, N9FZX | Without KILL files,

->paulf@shasta.Stanford.EDU | life itself would be impossible.

From 8845747449122123097
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,18af94a740c8209e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 23:16:38 PST
Path: gmdzi!unido!mcsun!sunic!lth.se!newsuser
From: d89mb@efd.lth.se (Magnus Bodin)
Newsgroups: rec.ham-radio
Subject: Cyrillic morse code
Message-ID: <1990Dec10.212544.24375@lth.se>
Date: 10 Dec 90 21:25:44 GMT
Sender: newsuser@lth.se (LTH network news server)
Reply-To: d89mb@efd.lth.se (Magnus Bodin)
Organization: Institute of Tychology, Sweden
Lines: 36
Posted: Mon Dec 10 22:25:44 1990

Anyone having a CORRECT list of Cyrillic morse code??

In the ARRL handbook I've found a list that just contains pronounciation
"LETTERS" corresponding to each cyrillic letter. Some "errors" is obvious,
or are they not?

The cyrillic "B" is set out at V, but lined up with .-- which is W. Correct?

```
The cyrillic | | |  is set out at J (pronounciation) but lined up with ...-
             +-+-+
             | | |      Is this correct?
```

The |-O letter is lined up with ..--

The bI combination is set out at the SECOND I, but lined up with a -.--

```
And What about | | |    ?  Set out as SHCH, but lined up with Q?
               +-+-++
                    |
```

Does anybody have any official papers? Or at least references?

Takelr|,

Magnus

--

Magnus Bodin "Nec fasces, nec opes,
Institute of Tychology, sola artis sceptra perennant"
Box 5127, 220 05 Sweden (Tycho Brahe, Stj{rneborg 1584)

From 5904459382044687179
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e5f47581d5f63505
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaab,e49947c8a847cc31
X-Google-Attributes: gid10aaab,public
X-Google-Thread: 105d97,e5f47581d5f63505
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-10 23:16:55 PST
Path: gmdzi!unido!mcsun!uunet!olivea!samsung!usc!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: alt.books.technical,sci.electronics,rec.ham-radio
Subject: Re: A Wonderous Electronics beference book
Message-ID: <47242@apple.Apple.COM>
Date: 10 Dec 90 22:15:56 GMT
References: <2128@ccadfa.adfa.oz.au> <TOM.90Dec10073436@hcx2.ssd.csd.harris.com>
<808@vtserf.cc.vt.edu> <1990Dec10.152326.18542@bellcore.bellcore.com>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 25
Xref: gmdzi alt.books.technical:92 sci.electronics:10118 rec.ham-radio:17691
Posted: Mon Dec 10 23:15:56 1990

mo@messy.bellcore.com (Michael O'Dell) writes:

>The Art of Electronics (Second Edition),
>Paul Horowitz and Winfield Hill
>
>This book is a rare jem indeed. Herewith is the table of
>contents to varying detail....

Couple of interesting facts: Horowitz is also W1HFA and at one time held the record (he claims :-) as the youngest Ham with a mention in QST (must be in the late '40s or early '50s sometime). He is also the main brain behind Project META, a Planetary Society sponsored search for extraterrestrial intelligence, using one of Harvaarhd's radiotelescopes.

Very practical (and absolutely *crazy* :-) fellow, considering that he is a Physics professor at Harvard and was a by-product of Purcell. One also sees his mug on some NOVA programs, the ones that talk about SETI. In addition to SETI, also known to work on room-temperature detection attempts of the monopole; don't know if he has given up on that yet :-).

73,

Kok Chen, AA6TY kchen@apple.com
Apple Computer, Inc.

From -3973509980028211118
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c4a8cd3b0a24972
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 00:31:31 PST
Path: gmdzi!unido!mcsun!uunet!olivea!samsung!news.cs.indiana.edu!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: Powerline voltage too high, power co working on it
Message-ID: <77514@iuvax.cs.indiana.edu>
Date: 10 Dec 90 22:25:02 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 91
Posted: Mon Dec 10 23:25:02 1990

>Hmmmm...could this be why my lightbulbs last such a short time?
>I just measured my voltage, and on one leg I have 121.9v,
>and the other 123.6v. Is anything over 120VAC too high?
>Should it ONLY be 110 to 120 VAC? ...
>
>Tad Cook

Stuff saved from a few years ago:

>>What are the potential effects of a neutral-ground short? ...

>   The National Electrical Code (section 250-23) makes it clear that
>the current-carrying neutral and the earth ground wires should be bonded
>at one and ONLY ONE place in any electrical system: the service entrance
>panel (i.e., main disconnect) immediately following the meter.
>
>   There are several reasons for this:
>
>1. An open or high-impedance (i.e., faulty) neutral line in the building
>   distribution wiring, coupled with a high-impedance (i.e., faulty)
>   equipment ground (like poor conduit bond) could result in dangerous
>   voltages present on the earth grounds of interior wiring.
> ...

><> Larry Lippman @ Recognition Research Corp., Clarence, New York

An OPEN NEUTRAL line in house wiring can produce intermittent "power
surges" whose cause may not be immediately obvious:

The Neutral wire is the center tap of the 230-volt pole transformer
secondary winding. As previously posted, neutral and ground wires
should be connected together at only one point.

With neutral wire intact, loading on one side of the 230 does not
affect the other half; the 230v looks like two independent 115's:

```
_____      ______________              ____      ______________
HV   ) || (              |             HV  ) || (              |
     ) || (    115v     10 ohms             ) || (    115v     10 ohms
     ) || (______________|                  ) || (______________|
     ) || (              |         =        ) ||  ______________
     ) || (    115v    100 ohms             ) || (              |
   __) || (______________|                  ) || (    115v    100 ohms
__|_                                      __) || (______________|
\ \ \                                  __|_
                                       \ \ \
```

If the neutral is open or resistive, then loads on opposite sides of the 230v are in series:

```
----
     ) ||  ______________
HV   ) || (              |
     ) || (            100 ohms     115v
     ) || (__         ___|
     ) || (              |
     ) || (            100 ohms     115v
     ) || (______________|
   _ ) ||
  |
__|_
\ \ \
```

Everything works fine as long as both 115-v legs have equal loads but if one leg is heavily loaded and the other is not, the 230v will divide between the high and low resistances according to Ohm's Law. The high-current device gets too little voltage, and the low-power device gets TOO MUCH! Both may malfunction or be damaged.

```
-----
     ) ||  ______________
HV   ) || (              |
     ) || (            10 ohms        21 volts
     ) || (__         ___|
     ) || (              |
     ) || (            100 ohms      209 volts
     ) || (______________|
   __) ||
__|_
\ \ \
```

If this happens, a "surge suppressor" is about as useful as a plastic Jesus on your dashboard! It is a common problem in buildings which have aluminum wiring.

If the lights get BRIGHTER when the refrigerator starts, or your computer or stereo blew up when the electric heater came on, suspect an open or resistive neutral.

--

Frank   W9MKV reid@ucs.indiana.edu

```
From -1902575476769687621
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 00:48:18 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!att!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu ( Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <1990Dec10.221715.16499@athena.cs.uga.edu>
Date: 10 Dec 90 22:17:15 GMT
References: <18020@shlump.nac.dec.com>
Organization: University of Georgia, Athens
Lines: 11
Posted: Mon Dec 10 23:17:15 1990
```

In article <18020@shlump.nac.dec.com> magid@esis.enet.dec.com (Joel Magid...)
writes:
>
>>>
>> Actually, this is very unlikely, because there has not been a
>> Notice of Proposed Rule Making (NPRM) for any such action.
>>
>
>   I believe NPRM 90-55 will do for this

You mean the Communicator proposal? I don't recall any mention of
reducing the telegraphy requirements for other classes of license.

```
From 5802657942575486166
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4b95bc5678e9cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 02:26:58 PST
Path: gmdzi!unido!mcsun!uunet!pdn!oberon!efwjr
From: efwjr@oberon.paradyne.com (Ellsworth Warmouth (813)530-2882)
Newsgroups: rec.ham-radio
Subject: Re: Confirmed SAREX QSO
Keywords: KJ9U, confusion, STS, SAREX, 82, hawaiin
Message-ID: <1990Dec10.153213.13325@pdn.paradyne.com>
Date: 10 Dec 90 15:32:13 GMT
References: <10534@uhccux.uhcc.Hawaii.Edu> <10555@uhccux.uhcc.Hawaii.Edu>
Sender: usenet@pdn.paradyne.com (0000-USENET News Administrator(0000))
Organization: AT&T Paradyne, Largo, Florida
Lines: 11
Posted: Mon Dec 10 16:32:13 1990
```

I have had my rig on 145.55 twenty four hours a day since the shuttle
has gone up. I have not heard one packet from the shuttle according to

my TNC. Does anyone else have any success stories to tell? Does anyone
know when a good pass for central Florida will occur?

Thanks

Ellsworth Warmouth AT&T Paradyne Corp. Largo FL 813-530-2882
UUCP   efwjr@pdn.paradyne.com Amateur Call KB4SH
Opinions expressed are mine alone and not necessarily those of AT&T Paradyne.

From -7897184757681497955
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10cfc2c9d120d5f3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,10cfc2c9d120d5f3,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f9437,10cfc2c9d120d5f3,start
X-Google-Attributes: gidf9437,public
X-Google-Thread: f76e2,10cfc2c9d120d5f3,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-12-11 02:44:15 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!bcm!lib!
thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: news.groups,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap
Subject: Call for Discussion, pass two: reorganization of rec.ham-radio.*
Message-ID: <4446@lib.tmc.edu>
Date: 11 Dec 90 10:44:15 GMT
Sender: sob@lib.tmc.edu
Followup-To: news.groups,rec.ham-radio
Organization: University of Texas Medical School at Houston
Lines: 119
Xref: gmdzi news.groups:23527 rec.ham-radio:17770 rec.ham-radio.packet:3204
rec.ham-radio.swap:863
Posted: Tue Dec 11 11:44:15 1990
Nntp-Posting-Host: thesis1.hsch.utexas.edu
Originator: jmaynard@thesis1.hsch.utexas.edu

There has been much discussion on this subject, and what started out
as a simple call for a new group has mushroomed into a complete
reorganization of the rec.ham-radio.* hierarchy. This posting reflects
my understanding of the current consensus of opinion on the subject,
and is intended to serve as the basis for further discussion. I
gratefully acknowledge the help of many folks around the net,
especially Paul Flaherty, who suggested the original reorganization
from which this grew; he and I have discussed this posting, and it
carries his approval.

THE CURRENT PROPOSAL:
=====================
The following groups are to be renamed:
rec.ham-radio   => rec.radio.amateur[.misc]

rec.ham-radio.packet => rec.radio.amateur.packet
rec.ham-radio.swap   => rec.radio.swap

Groups will be renamed by creating the replacement group, asking site admins to alias the old group to the new one, and rmgrouping the old group after traffic in it has died down. This method has been shown to work in other hierarchies.

The following groups are to be created:

rec.radio.amateur.legal

This group is intended to contain any and all discussion about legal issues pertaining to amateur radio, including, but not limited to, rules, regulations, laws, and legal actions by and against amateur radio operators. This group is to be unmoderated.

rec.radio.cb

This group is intended to contain discussions related to Citizens' Band radio. This group will be unmoderated.

RATIONALE:
==========

1. Why move the groups at all? The primary motivation is to make it easier for interested people to find newsgroups related to ham radio. The rec.radio hierarchy was created after rec.ham-radio (net.ham-radio before the Great Renaming). It is an inconsistency in the namespace to have groups for similar purposes separated from each other, and that makes it harder for new users to find the desired groups. Further, this allows a change from ham radio to amateur radio (see next topic).

2. Why .amateur instead of .ham? It has been pointed out in discussion that "ham radio" is primarily an American term, and carries little meaning outside the US. In addition, there are negative connotations attached to "ham" that don't apply to "amateur". Some confusion also exists in the public mind about just what a "ham radio operator" is, as evidenced by the occasional "ham operator jams aircraft frequencies!" when the person in question has never been a licensed amateur radio operator.

3. Why a .legal group? A significant part of the traffic in rec.ham-radio is concerned with legal issues. This includes substantially all of the flamage, which has in the recent past included such subjects as whether or not it's legal to order a pizza via an amateur repeater, the proposal to add a class of license that does not require knowledge of the International Morse Code, and the legality of modifying amateur equipment to transmit outside the amateur bands. The new group is intended to move the flames and the long discussions that never seem to get anywhere out of the main group.

4. Why use the name .legal, instead of .rules, .regs, .regulations, etc.? The group is intended to contain any and all discussion about any legal issues pertaining to amateur radio. This includes not just rules and regulations of the FCC and other national regulatory bodies, but also laws affecting hams (such as the infamous New Jersey scanner

law), lawsuits over nuisance issues, antenna ordinances, and the like. .legal is the best description of the intended division of existing traffic I could come up with.

5. Why not a .tech group? There are two reasons for this one. The first is that there's more to ham radio that's non-inflammatory than just technical discussions, and the object of a new group is to move the flames, not run away from them. A .tech group would leave those of us who are interested in more than just technical discussions, yet not in the seemingly endless legal discussions, left to wade through the flames. Second, Brian Kantor, who maintains the info-hams mailing list, has said that info-hams will continue to gateway rec.ham-radio (and, presumably, rec.radio.amateur[.misc]) only, and moving the technical postings off would deprive those on the mailing list.

OPEN ISSUES:
============

1. rec.radio.amateur or rec.radio.amateur.misc? Both have been proposed, and I don't have a strong preference either way. The final proposal will reflect whatever the consensus of the discussion is.

2. rec.radio.amateur.packet or rec.radio.amateur.digital? I do have a preference here, but am willing to change my mind if a consensus is reached that .digital is a better idea.

PLANS:
======

Assuming a consensus is reached by then, I intend to adhere to the schedule I set originally: discussion to run through 31 December, with the vote starting then and running through 21 January. There have been a couple of other reorganizations in the recent past, and I'll follow the precedent they set in regard to voting: an individual vote is required for each proposed group. In addition, I like Kent Paul Dolan's format for the comp.sys.amiga reorganization vote, and will use it for this vote (though I'll put the ballot at the top of the Call for Votes). I intend to count votes automagically with some sort of Unix-type tool (probably awk); votes that the awk script rejects will either be fixed if their meaning is unambiguous, or returned with a request for clarification if not. Other than that, votes will be acknowledged en masse about halfway through the voting period, and not by mail. Votes will be sent to this site, and probably to my account here. (Don't send me votes yet; I can't accept them.)

It looks like we can bring this to a successful conclusion, especiallly if everyone maintains the same high standard of calm, reasoned discussion that's been shown so far. Please post any discussion to news.groups as well as rec.ham-radio, as per the guidelines.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu  | adequately be explained by stupidity.
  "...flames are a specific art form of Usenet..." -- Gregory C. Woodbury
```

From 8559483535206335266
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,35795aea04568759,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 03:16:41 PST
Path: gmdzi!unido!mcsun!ukc!axion!wispa!rsmith
From: rsmith@axion.bt.co.uk (Roy Smith)
Newsgroups: rec.ham-radio
Subject: INFO PLEASE -- PC S/W for SSTV
Message-ID: <1990Dec11.111641.20876@axion.bt.co.uk>
Date: 11 Dec 90 11:16:41 GMT
Sender: news@axion.bt.co.uk
Reply-To: rsmith@axion.bt.co.uk
Organization: British Telecom Research Labs
Lines: 29
Posted: Tue Dec 11 12:16:41 1990
Organisation: British Telecom Research Labs, Martlesham Heath, IPSWICH UK

Hi there

I am posting this for a friend, G7EIG who does not have access to the net. I have no knowledge of the subject, so please excuse any mistakes, blunders etc.

Can anyone supply information on the possible sources of PD S/W for SSTV programs for a PC.

Modes required are:
 8sec. B/W
12sec. B/W
32sec. B/W ?? Colour
92sec. Colour

Any information gratefully received with regards to sources, including a brief description on how to access (I read a lot but nil access to sources). Alternately please email direct to me.

Time permitting I will sumarise the info received.

Thanks for your time in reading this plea for help, Colin I hope you appreciate this.

Good DX to you all.
Roy Smith G6GAU   Going forth is easy
RT3141   Going back requires an effort of will,
British Telecom Research Labs.   because it is much harder.
rsmith@axion.bt.co.uk   `Pyramids' by Terry Pratchett, 1989

From 5046414777410993255
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 04:37:34 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <1990Dec10.191014@envy.bellcore.com>
Date: 11 Dec 90 00:10:14 GMT
References: <18020@shlump.nac.dec.com> <1990Dec10.221715.16499@athena.cs.uga.edu>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 8
Posted: Tue Dec 11 01:10:14 1990

Regarding the rumor that the FCC will eliminate 13- and 20-wpm code tests: if true, this will render moot the entire issue of handicapped code test exemptions for those two speeds. In effect, everyone would qualify for the exemption.

Perhaps this is why the handicapped rules went into place so quickly?

Phil

From -3295197658151172340
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-Thread: 114aac,83ec141b3d1d3586
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,83ec141b3d1d3586
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-11 06:53:31 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!ccad.uiowa.edu!emcguire
From: emcguire@ccad.uiowa.edu (Ed McGuire)
Newsgroups: rec.radio.shortwave,rec.ham-radio,rec.ham-radio.packet,news.groups
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <1990Dec11.020240.15237@ccad.uiowa.edu>
Date: 11 Dec 90 02:02:40 GMT
References: <689.27612B4F@w8grt.fidonet.org>
Organization: CAD-Research, U. of Iowa, Iowa City, Iowa
Lines: 14
Xref: gmdzi rec.radio.shortwave:3103 rec.ham-radio:17696 rec.ham-radio.packet:3195 news.groups:23472
Posted: Tue Dec 11 03:02:40 1990

In article <689.27612B4F@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

> I'm not arguing against changing the name, but at the same time I

think you underestimate the degree to which 'radio ham' has over
the decades become a widely understood term among non-hams.

Just curious. How widely understood is "ham" outside of the U.S.?
Outside of English speaking countries? Among non-hams in those
countries?
--
peace. -- Ed
"Over here, Bones! This man's dying!"
"Damn it, Jim! I'm a doctor, not a . . . What did you say?"

From 8123966705492155399
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31a8360191158b8e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 07:58:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!hpcvca!hpcvck!mcross
From: mcross@hpcvck.CV.HP.COM (Minor Cross)
Newsgroups: rec.ham-radio
Subject: Re: Another Look at Radar Detector Legality for Hams
Message-ID: <5440019@hpcvck.CV.HP.COM>
Date: 11 Dec 90 15:58:57 GMT
References: <714.2762B3D6@w8grt.fidonet.org>
Organization: Hewlett-Packard Co., Corvallis, Oregon
Lines: 26
Posted: Tue Dec 11 16:58:57 1990

> WRITE: tad@ssc.UUCP (Tad Cook) / 10:52 am Dec 9, 1990 /
> I don't get it! Do you mean he sits by the side of the road, waiting
> for someone to come by with a radar detector, and then just guesses the
> speed without turning the gun on?

> Or do you mean he paces the car by following it? In this case, he
> would never use radar anyway.

NO , Hi SITS (that means he isn't moving) by the side of the road (or
in a driveway, etc) and watches (read that really enjoys watching) the
reactions of the drivers when they see him and the radar gun tracking
their car and realize that their detector hasn't gone off!

Insert Standard Disclaimer notice here:

```
           ___
       /  /        Minor Cross     KD7YJ
      /  /        Hewlett-Packard  ICBD - Corvallis
     /  /_____           _________       1050 NE Circle Blvd.
       /  ___   /  ____    /  ___   /     Corvallis, OR   97330
      /  /  /  /  /___/   /  /__/  /       -------------------------
     /__/  /__/          /  ______/       AT&T:  (503) 750-2044
                        /  /           HP telnet  750-2044
                 /__/     }inhp4!hplabs!hp-pcd!hpcvca!hpcvck!mcross
```

From -2253674702823930896
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92becf19e87e5b9c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 08:07:46 PST
Path: gmdzi!unido!mcsun!uunet!know!cs.utexas.edu!wuarchive!sdd.hp.com!hplabs!hpfcso!hplvec!chris
From: chris@hplvec.LVLD.HP.COM (Chris Kelly)
Newsgroups: rec.ham-radio
Subject: "True" RMS AC Voltmeters
Message-ID: <2190004@hplvec.LVLD.HP.COM>
Date: 11 Dec 90 16:07:46 GMT
Organization: Hewlett-Packard Co., Loveland, CO
Lines: 26
Posted: Tue Dec 11 17:07:46 1990

A recent discussion of digital voltmeters discussed the topic of RMS, and "True" RMS AC voltmeters. I looked into this a bit and I think the following will clarify the situation.

There are many ways to measure AC voltage, some are more accurate than others.
1. One can rectify the waveform and integrate, but this does not yield RMS, but average voltage. A mathematical correction takes you from average to RMS, which is OK if your waveform is truly sinusoidal.
2. "True" RMS refers to a more refined technique in which a RMS circuit (usually in an IC, these days) actually produces a voltage proportional to the Root Mean Square. This is a somewhat complicated analog circuit, but is more accurate than method number one, which is an approximation from average voltage.
3. With today's fast digital multimeters, it is actually possible to digitize the waveform (up to some limiting frequency) and then compute the root mean square. This is again "true" RMS.

The term "True RMS" may seem a misnomer, but it corrects the use of the term "RMS" for techniques which did not always yield RMS at all, but actually measured average, and applied a correction factor.

...de WD5IBS (chris)

From -8389522794631994556
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b23125fdc69e1468,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 08:11:07 PST

Path: gmdzi!unido!mcsun!uunet!motcid!froula
From: froula@motcid.UUCP (Don Froula)
Newsgroups: rec.ham-radio
Subject: Keyers, Paddles
Message-ID: <4546@apricot29.UUCP>
Date: 10 Dec 90 18:02:33 GMT
Distribution: rec
Organization: Motorola Inc., Cellular Infrastructure Div., Arlington Heights, IL
Lines: 12
Posted: Mon Dec 10 19:02:33 1990

I enjoy operating mobile CW and have used a straight key resting on the passenger seat for a year or so with mixed success. Recently, I put together the Super Keyer II (featured in November '90 QST) and am quite happy with it. However, the old paddles I've been using (from an old Ham-M keyer, I've been told) are just too sloppy.

Does anyone have any recommendations on keyer paddles and on mobile CW operation in general. Any advice would be greatly appreciated.

73

Don, WD9DMP/M

From 7690536043297725267
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,795c08fbc5a0d7e5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,735656881dc75415
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-12-11 08:16:00 PST
Path: gmdzi!unido!mcsun!uunet!censun1!lescsse!gamorris
From: gamorris@lescsse.uucp (Gary A. Morris)
Newsgroups: sci.space,rec.ham-radio
Subject: Re: Japanese "cosmoreporter" begins broadcasts from USSR's Mir
Message-ID: <1990Dec11.161600.1381@lescsse.uucp>
Date: 11 Dec 90 16:16:00 GMT
References: <9012060212.AA06516@cs.sfu.ca>
Followup-To: rec.ham-radio
Organization: Lockheed Engineering and Sciences
Lines: 29
Xref: gmdzi sci.space:18293 rec.ham-radio:17766
Posted: Tue Dec 11 17:16:00 1990

In <9012060212.AA06516@cs.sfu.ca> glennc@CS.SFU.CA writes:

>   On board the Mir space station ...

>Two experiments will be performed. The
>first is transmission of amateur radio and TV signals to Ham radio groups
>in Japan. That may have been the equipment that was tried when Mir and the

>shuttle were within 65 Km (40 mi) of each other on Dec. 4th. Unfortunately
>they could not communicate - someone had an antenna pointed in the wrong
>direction (the report did not say whom).

There was no attempted amateur radio contact with the Mir on Dec 4th,
the Soviets said they would be too busy with docking and unloading to
schedule a contact.

Perhaps Musa was trying anyway, unfortunately Ron was not operating
at the time. If so they may have assumed an antenna pointing problem.

There was a contact scheduled for the next close conjunction which would
have occurred today (Tues 12/11/90) but since they landed last night,
that won't take place :-(

--GaryM
--
```
Gary Morris                     Internet: lobster!lescsse!gamorris@menudo.uh.edu
Lockheed (LESC), A22            UUCP:     lobster!lescsse!gamorris
Space Station Freedom           NASAmail: gmorris/jsc/nasa
Houston, Texas                  Internet: gmorris@nasamail.nasa.gov
```

From 6449458287914709964
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,374a07fc721d56a2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 08:34:42 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!tut.cis.ohio-state.edu!
ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9012102039.AA29190@tilde>
Date: 10 Dec 90 20:39:13 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 36
Posted: Mon Dec 10 21:39:13 1990

In <jack@swlabs.uucp (Jack Bonn)> Jack says:

Re: Re: FCC Rumor -- (But what if it is true?)

(some deleted)

>In article <1990Dec9.231912.8685@midway.uchicago.edu> pbhx@ellis.uchicago.edu
>(Peter B. Hayward) writes:
>>Yes, the hot rumor is that the 13 wpm and 20 wpm requirements are dead
>>and that one will only need to demonstrate code proficiency at 5 wpm
>>for *ANY* amateur license
>
>Ironically, if this rumor comes to pass, I could easily find myself

>running CW only. I can hear the displaced CBers stirring now, as the
>sunspot cycle begins to fade. CW may be the only place to hide from them.
>
>Maybe this is part of the plan to take all the HF bands from us. I'd bet
>that the current nonsense on 20 meters is nothing in comparison with what
>will be happening in the future if 5 WPM is all that is required. At that
>
>-Jack

I disagree. As long as there is a requirement to learn Morse, we probably won't see much of this. The big attraction of CB is that you can enjoy much of the fun of radio without having to know code (or much of anything else, for that matter).

I do agree on one thing: There will be a lot more people on the bands, making the CW portions more attractive to those who don't like to fight QRM. Those who like to chit-chat on SSB are likely to find it more of a challenge if this "rumor" comes to fruition.

73,
Dube   N5PDK

"Why waste time learning, when ignorance is instantaneous?" -Hobbes

From 63987836579693509
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e775abdf6dbdf306,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 08:35:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: CALL FOR REORGANISATION?
Message-ID: <11.Dec.90.10:28:08.GMT.#9898@UK.AC.NWL.IA>
Date: 11 Dec 90 10:24:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Tue Dec 11 11:24:50 1990

As an interested observer, i am puzzled at the need for the debate.
If it looks like a duck, it walks like a duck, it swims like a duck, and it quacks like a duck, then it probably IS a duck, and as long as everyone recognises it as such, who cares what it is called?
To those of us outside the Usenet domain, the exact nomenclature of sub-groups (and the resultant debate this seems to produce) seems to be so much hot air.

Pete Lucas G6WBJ   G6WBJ@GB7SDN.GBR.EU PJML@UK.AC.NWL.IA 0793-411613

From 4994618522745020429
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67713d93a29aa939,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 08:35:43 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: Temp. control for xtals.
Message-ID: <11.Dec.90.10:22:30.GMT.#9893@UK.AC.NWL.IA>
Date: 11 Dec 90 10:18:23 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Tue Dec 11 11:18:23 1990

I have used a circuit based on a 741 and a thermistor, but, heres the smart part; instead of using the 741 to drive a transistor which controls the power fed to a heating resistor, i used the transistor *as* the heating element!
I machined a small 'oven' out of some stainless steel stock, so i had a hollow cube with the internal space about 1.5 inches across, then put the whole oscillator circuit inside. Then bolted the heating-transistor to the outside; (if i remember, it was a TI plastic-power type). The temperature thermistor goes inside the box among the oscillator circuitry. Then stuff the whole thing into a diecast project-box & insulate the space with spun-glass wool.
With the temp. regulator adjusted correctly, the xtal stabilised at about 90 +/- 1 degree. Of course, the power fed to the heater is linearly controlled, so you do not get the cycling associated with a traditional bimetal-type thermostat control.

Pete Lucas G6WBJ   G6WBJ@GB7SDN.GBR.EU PJML@UK.AC.NWL.IA 0793-411613

From 6110139914608290841
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 09:18:25 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!usc!apple!vsi1!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: Internet-Packet Reply (LONG!)
Message-ID: <3058@wyse.wyse.com>
Date: 11 Dec 90 17:18:25 GMT
References: <662.2759659C@w8grt.fidonet.org> <1250288@hpnmdla.HP.COM>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 26

Posted: Tue Dec 11 18:18:25 1990

In article <1250288@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>>I would think that anyone sending e-mail to a ham on the .ampr.org
>>domain would be the same as my girlfriend making a reverse autopatch
>>on the local repeater. If I was not there to answer the call, and a
>>control opr was not on freq at the time, SHE would have controlled the
>>repeater. And this DOES happen in the REAL WORLD!! Are we to then
>>say that ALL reverse autopatches are to be turned off ????
>
>This is clearly illegal, and has been for years. If you have a reverse
>autopatch, you must employ means to ensure that only properly-licensed
>hams can access it.
>
>AL N1AL

Interestingly enough, there was a write-up on this subject in the December QST. Al is quite right that it is QUITE illegal for reverse patches to be caused by anyone but a licensed operator. About the only way to hook a phone up to a repeater that non-hams can use is to use it as a voice mail box. The caller can deposit the message into the machine and it gets replayed ONLY when a ham on the air asks the repeater if he has any messages.   It probably isn't even proper for the repeater to go into some sort of beacon mode saying it has messages waiting(this being equivalent to the repeater turning on as the call comes in...)

Steve KA6S

From -995342707765103140
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9ad3d3c190b4a604,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 09:52:02 PST
Path: gmdzi!unido!mcsun!uunet!infonode!ingr!b11!herbster
From: herbster@b11.ingr.com (Joe Herbster)
Newsgroups: rec.ham-radio
Subject: Icom 751 control
Keywords: Need Ex-309 info
Message-ID: <9622@b11.ingr.com>
Date: 11 Dec 90 17:52:02 GMT
Organization: Intergraph Corp. Huntsville, AL
Lines: 10

Hello, I am looking for information on controlling the ICOM-751A transceiver via the interface plug on the rear of the unit. Icom sells the EX-309 interface, but I am unaware of any software for it. I hate to pay that much $$ for the interface if it is nothing but a level converter. If anyoune has any info on the Ex-309 or software control of the 751A, please E-mail or post. If there is any interest, I will sumarize to the net.

Thanks, KM4JN

From -1314058075121442200
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1fb06c97bc0a3eb6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 09:53:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!hsdndev!wuarchive!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!LONEX.RADC.AF.MIL!szarekw
From: szarekw@LONEX.RADC.AF.MIL (William J. Szarek)
Newsgroups: rec.ham-radio
Subject: ft-470 cloning?
Message-ID: <9012111303.AA03979@lonexc.radc.af.mil>
Date: 11 Dec 90 13:03:35 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25
Posted: Tue Dec 11 14:03:35 1990

I would like to play around with cloning my ft-470 and i was wondering if anybody out there is currently doing this. if so what format is the data extracted in. as i understand it you put the ft-470 in clone mode by turning it off, turning it on with the f button depressed. all the segments on the display will be on. to unload the data press the up arrow and to download press the down arrow. the data "comes out" of the microphone tip (i believe).

I know that I have seen postings here re the ft411 and cloning and how you can edit tx and rx frequencies frequencies and down load them back into the rig.

Which processor straps must be activated for this operation.

Is a memory map available.

please answer me here and I will compile the results and post it.

thanks.
buzz
wm1w

p.s. yes i am a ham and i do not tx out of band. an ht is simply a very good rf frequency generator that has many uses if i could get just a bit more range out of both the 2m and 70cm sides of the rig. tnx

From -1219895602100435399
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 10:12:47 PST

Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!think.com!linus!philabs!ttidca!sorgatz
From: sorgatz@ttidca.TTI.COM (Avatar)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <21773@ttidca.TTI.COM>
Date: 11 Dec 90 18:12:47 GMT
References: <1990Dec9.231912.8685@midway.uchicago.edu> <m0VyT2w163w@phoenix.com> <1990Dec10.184453.11217@cunixf.cc.columbia.edu>
Organization: Citicorp/TTI, Santa Monica
Lines: 35
Posted: Tue Dec 11 19:12:47 1990

In article <1990Dec10.184453.11217@cunixf.cc.columbia.edu>
mig@cunixd.cc.columbia.edu (Meir) writes:
+In article <m0VyT2w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
+>
+>pbhx@ellis.uchicago.edu (Peter B. Hayward) writes:
+>
+>>
+>> Gawd -- don't you hate rumors! How about this one we picked
+>> up overnight in Chicago.
+>>
+>> On December 13, the FCC will make its long awaited Communicator Class
+>> announcement. But the shocker will what else they announce on that
+>> date: that element 1B will no longer be required for General and
+>> Advanced and that element 1C will no longer be required for Extra.
+>
+>   And this will, of course, upgrade all Technician licenses to General,
+>as the only difference is the code test. 80m phone, here I come!
+
+No; it would not!
+The rules changed a few years ago.
+The current theory test for Technician is different from the test for General.
+Upgrading to General would *still* require passing the *General* theory test!

Ah, but! For those of us that took the *old* Element 3, before Novice enhancement went into effect, the only difference between us older Techs and Generals is that blasted 13 WPM code test that makes up Element 1B.

This would be the most intelligent thing that the FCC could ever do. The ARRL (read: the diehard CW elite) would scream bloody murder, but it may be too late for them to hold back the eventual..we can only hope!

```
-Avatar-> (aka: Erik K. Sorgatz) KB6LUY           +-------------------------+
Citicorp(+)TTI                            *----------> panic trap; type = N+1 *
3100 Ocean Park Blvd. Santa Monica, CA  90405     +-------------------------+
{csun,philabs,psivax,pyramid,quad1,rdlvax,retix}!ttidca!sorgatz **
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR ITS MANAGEMENT!)
```

From -3194900194377264S3
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,42602ef3fe1fc2e4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 11:00:11 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!ucsd!ucbvax!skvax1.csc.ti.com!anderson
From: anderson@skvax1.csc.ti.com (John H. Anderson N5OPY)
Newsgroups: rec.ham-radio
Subject: WANTED TS520S Accessories.
Message-ID: <9012111900.AA29197@tilde>
Date: 11 Dec 90 19:00:11 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Tue Dec 11 20:00:11 1990

I am in need of accessories for the TS520S.
In particular, I need the 12volt power cord(or just the plug) and a mic that went with it or will fit it. I also would be interested in any other accessories at the right price.

John Anderson N5OPY @ N5LDD.TX.USA.NA
anderson@skvax1.csc.ti.com

From 3926908906915318227
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7fb533b89df30c7d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7fb533b89df30c7d,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-12-11 11:01:26 PST
Path: gmdzi!unido!mcsun!uunet!samsung!umich!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Utility Monitoring Database in DBASE III+ (?????)
Keywords: util mon
Message-ID: <1990Dec11.190126.3725@lopez.UUCP>
Date: 11 Dec 90 19:01:26 GMT
Followup-To: rec.radio.shortwave
Organization: Great White North/UPlink - Marquette, Michigan
Lines: 45
Xref: gmdzi rec.radio.shortwave:3109 rec.ham-radio:17767
Posted: Tue Dec 11 20:01:26 1990

Now that I have a PC in my radio room, I have been having fun setting up various systems to aid in monitoring.

I already have a scanner database for maintaining all the data on local transmitters audible on my PRO-2004.

Well I got to thinking how nifty it would be to have a HUGE UTILITY database of the entire shortwave spectrum. Sort of an online version of some of the books out there (like Grove's shortwave book). One that I could update with my own monitoring info.

I was starting to write the code to maintain the database, lay out the entry and report screens, etc., when I got to thinking....

AM I RE INVENTING THE WHEEL? Surely someone out there in Netland is as much a Utility Nut as I am and has already not only written the software but also has already typed in several thousand entries.

Or not?

I do have such a database that a friend made in PCFILE, but I really would prefer to have it in DBASE III+, since you can make much greater use of the information.

It would be nifty to tune to a frequency, hear an unid'ed signal, and type the freq in and find out who it is. Lots nicer than looking it up in a directory.

Before I begin the monumental task, I thought it would be at least worth a shot in seeing if anyone else out there has started a similar project. Perhaps we could combine efforts.

If responses are negative, I might try converting the PCFILE one to DBASE III+, and will eventually make it available to those interested.

Is such a thing on SIMTEL 20 or elsewhere?

It is a nice cold snowy day up here, the perfect kind of day for such a project.....

--
=Marquette MI: It's Not the END of the world, but you can see it from here=
== Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash) GWN UPLink ==
== 3.950 Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================

From -5112189345662817892
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,817257ef5cc967d8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 11:02:19 PST
Path: gmdzi!unido!mcsun!uunet!samsung!rex!wuarchive!sdd.hp.com!ucsd!ucbvax!skvax1.csc.ti.com!anderson
From: anderson@skvax1.csc.ti.com (John H. Anderson N5OPY)
Newsgroups: rec.ham-radio
Subject: WANTED 13.8v 15A Poser Supply.
Message-ID: <9012111902.AA29264@tilde>
Date: 11 Dec 90 19:02:19 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6

Posted: Tue Dec 11 20:02:19 1990

I am looking for a power supply for a TS520S.
This supply must be 13.8v at 15A. Does not
have to be original.

John Anderson N5OPY @ N5LDD.TX.USA.NA 214-233-1659
anderson@skvax1.csc.ti.com

From 1464433348004069360
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4343e6cfbeb25c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 11:28:39 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!news-server.csri.toronto.edu!cs.utexas.edu!usc!julius.cs.uiuc.edu!apple!agate!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins: Space Shuttle
Message-ID: <9012110205.AA12143@blackbird.afit.af.mil>
Date: 11 Dec 90 02:05:36 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Tue Dec 11 03:05:36 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current elements for the current shuttle mission are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
STS 35
1 20980U 90106  A 90343.95062616  .00170916  00000-0  11617-2 0   194
2 20980  28.4647 309.2864 0016232  26.8618 333.3723 15.73068358  1213
--
Dr TS Kelso                          Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil         Air Force Institute of Technology
```

From 5609893420871632206
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31a8360191158b8e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 12:08:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!princeton!udel!wuarchive!usc!julius.cs.uiuc.edu!apple!agate!ucbvax!HICKAM-EMH.AF.MIL!1843eie
From: 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE")
Newsgroups: rec.ham-radio

Subject: Another Look at Radar Detector Legality for Hams
Message-ID: <9012110416.AA23478@uunet.uu.net>
Date: 11 Dec 90 04:23:34 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 44
Posted: Tue Dec 11 05:23:34 1990
X-Unparsable-Date: 10 Dec 90 16:55:00 GMT-10:00

INTEROFFICE MEMORANDUM

```
                                        Date:      10-Dec-1990 04:53pm HST
                                        From:      1843EIG/EIE
                                                   1843EIE
                                        Dept:      1843EIG/EIE
                                        Tel No:    656-1158

TO:  Remote Addressee                     ( _INFO-HAMS%UCSD.EDU@UUNET.UU.NET )
```

Subject: Another Look at Radar Detector Legality for Hams

```
>It doesn't matter whether or not somebody is looking at it.  It DOES
>matter whether or not there is someone there to control the emissions.
>Radar guns aren't classified as telemetry equipment.  The license is
>for radiolocation.  FCC regs also state that this type of device must
>be manned.  Also, a radar detector is a radio receiver.  If somebody
>is interfering with its use, that is, somebody is setting it off without
>a reason for transmitting, that is also an FCC violation.  See part
>15 for more info.  Radar guns are part 15 devices, from what I remember.
>
>                                                         --- Jeff
>
>
>--
>-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
> Jeff DePolo  N3HBZ             Twisted Pair: (215) 386-7199
> depolo46.685- 442.70+ 144.455s (Philadelphia)
> University of Pennsylvania     Carrier Pigeon: 420 S. 42nd St. Phila PA 19104
```

Great! Now we've got a way to get rid of those pesky photo-radar revenue enhancers that are all the rage now. Would the next person to get nailed by one of those !#%$^! things try this as a defense and let us know how it worked (1/2 :-))?

73,

Jeff Miller WD6CQV/KH6 AFA8JM
1843eie"at"HICKAM-EMH.AF.MIL

From -3634671738458573598
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f75ea2b11ae1ea11,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 12:19:48 PST
Path: gmdzi!unido!mcsun!uunet!know!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: HELP: yagi antenna question
Message-ID: <1250293@hpnmdla.HP.COM>
Date: 11 Dec 90 20:19:48 GMT
References: <2561@cod.NOSC.MIL>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 25
Posted: Tue Dec 11 21:19:48 1990

In rec.ham-radio, medin@cod.NOSC.MIL (Ted Medin) writes:

> Now for the question. Have a 3 ele yagi for 10m on an old tv rotor.
>So my idea is to put the 2m yagi on the same rotor. Since most 2m is
>vertically polarized i can mount the 2m vertically and the 10m horizontally.
>Seems to me there should be no interference between the two yagis. But
>for the 2m yagi i suddenly have the rotor pole in the same plane as the
>2m yagi. So what will the rotor pole do to the 2m yagi?

Three possible solutions:

1) Use an insulated mast (broomstick handle, etc.) to the 2M yagi, and run the feedline off the back of the beam (behind the reflector) so that there is no vertically-polarized metal in the middle of the antenna.

2) Mount the 2M yagi in front of the mast, that is, sticking out from the mast in one direction only. This will mechanically unbalance the system, so you might want to use a counterweight.

3) Just go ahead and run the aluminum mast up through the middle of the yagi. If the mast and other metal structure don't happen to be resonant near the 2 meter band, this often works surprisingly well.

AL N1AL

From -2327272268880985970
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-11 12:31:00 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs

From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio,news.groups
Subject: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <734.2764FD1F@w8grt.fidonet.org>
Date: 11 Dec 90 20:31:00 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 35
Xref: gmdzi rec.ham-radio:17771 news.groups:23530
Posted: Tue Dec 11 21:31:00 1990

> From: alan@adept.UUCP (Alan Ruffer)
> Date: 10 Dec 90 00:53:01 GMT
> Organization: Perfect Partners Inc., Sulphur, LA
> Message-ID: <341@adept.UUCP>
> Newsgroups: rec.ham-radio
>
> In article <oHqVT4w163w@phoenix.com> stanley@phoenix.com (John Stanley)
> writes:
> >
> >   What is the real progress? Changing the name from rec.ham-radio to
> >rec.radio.amateur is not progress of any kind, much less "real". It is
> >just "change".
> >
>
> John, I have to ask how can a logical person say that a name change to
> better describe this group to tens of thousands of sites worldwide is
> not
> progress?

Whether it's 'progress' or not is truly beside the point. "Ham Radio" is our traditional pet name for our hobby, and changing our hobby, especially changing its name, to fit the needs of an external medium we use to discuss it is to let the tail wag the dog. Sure we could do that, but the only ones who would want to are the ones whose hobby is 'newsgrouping' rather than 'hamming'.

Law: If it ain't broke, don't fix it.

Corollary: Even if it's broke, I like it that way.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -955440845804272865
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2edb960504a74c60,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 12:42:17 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!mejac!orchard.la.locus.com!

prodnet.la.locus.com!lando.la.locus.com!dana
From: dana@lando.la.locus.com (Dana H. Myers)
Newsgroups: rec.ham-radio
Subject: Hearing the shuttle
Summary: It was lound in more ways than one
Message-ID: <20485@oolong.la.locus.com>
Date: 11 Dec 90 20:42:17 GMT
Sender: news@locus.com
Organization: Locus Computing Corporation, Inglewood, CA
Lines: 35
Posted: Tue Dec 11 21:42:17 1990

I was away from home from Saturday afternoon until Sunday night this weekend, but I left my packet station on 145.55 recording all frames on the channel.

I'm not sure what time it was when I received them, but, when I returned Sunday night, I'd received a bunch of frames from WA4SIR ack'ing a number of ground stations. The station was a TR-2600A with a 1/4 wave ground plane up about 8 feet (temporary setup).

My brother sez he monitored WA4SIR talking voice with his Realistic scanner, nothing but a whip antenna on that.

Last night, at 9:50PM locally, I was standing in my back yard in Lancaster (maybe 15-20 miles from Edwards) and was treated to the LOUDEST set of sonic booms I've ever heard (and, living near Edwards, we get house-shaking booms almost everyday). These were louder than the SR-71 when it passed over LA earlier this year, and these were louder than I've ever heard the shuttle before. The glass in my sliding glass door flexed in and out. I could hear a thundering, rushing noise for sometime afterwards, also, I suspect the windnoise from the shuttle.

I love living near Edwards.

Dana

My b

```
/*
 * Dana H. Myers KK6JQ      | Views expressed here are  *
 * (213) 337-5136      | mine and do not necessarily    *
 * dana@locus.com      | reflect those of my employer   *
 */
```

From 5390826991494569969
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e5f47581d5f63505
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 10aaab,e49947c8a847cc31
X-Google-Attributes: gid10aaab,public
X-Google-Thread: 105d97,e5f47581d5f63505
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-11 13:37:49 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!snorkelwacker.mit.edu!apple!usc!wuarchive!udel!burdvax!dave
From: dave@PRC.Unisys.COM (David Lee Matuszek)
Newsgroups: alt.books.technical,sci.electronics,rec.ham-radio
Subject: Re: A Wonderous Electronics beference book
Message-ID: <15918@burdvax.PRC.Unisys.COM>
Date: 11 Dec 90 21:37:49 GMT
References: <808@vtserf.cc.vt.edu> <1990Dec10.152326.18542@bellcore.bellcore.com> <47242@apple.Apple.COM> <1990Dec11.064909.26800@uokmax.ecn.uoknor.edu>
Sender: news@PRC.Unisys.COM
Organization: Unisys Corporation, Paoli Research Center; Paoli, PA
Lines: 10
Xref: gmdzi alt.books.technical:96 sci.electronics:10156 rec.ham-radio:17794
Posted: Tue Dec 11 22:37:49 1990

>>The Art of Electronics (Second Edition),
>>Paul Horowitz and Winfield Hill

How much does it cost?

-- Dave Matuszek (dave@prc.unisys.com)
-- Unisys Corp. / Paoli Research Center / PO Box 517 / Paoli PA 19301
-- Any resemblance between my opinions and those of my employer is improbable.
< You can put a mouse on an IBM. And you can put a radio on a motorcycle. >

From 6373405711735641445
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b109907df044c0b6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 13:53:40 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!sun-barr!apple!agate!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: Crystal Ovens
Message-ID: <9012110506.AA23011@cmr.ncsl.nist.gov>
Date: 11 Dec 90 05:06:24 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
     formerly National Bureau of Standards
Lines: 22
Posted: Tue Dec 11 06:06:24 1990

A number of people have described the old octal-plugin crystam oven. Be aware that these ovens are of primary benefit over WIDE ambient temperature conditions.

The temperature in the oven generally cycles about 1 degree C on a one-minute period. Not exactly the thing for many applications. A proportional oven, with thermistor and analog drive to a heater resistor, and a substantial thermal mass for low-pass thermal filtering. One sometime-overlooked problem is that the heater resistor should be wound "non-inductively" to avoid having it create a substantial magnetic field which can affect crystal frequency slightly (for the purists).

Crystals designed for "room temperature" have a somewhat different freq vs temp curve that "oven" crystals. Oven crystals have a single "turnover" point in the curve, at the temperature of the oven, so the freq vs temp derivative is zero there. Room-temperature crystals have two turnover temps, near the low and high temp ends of the ambient range; they are of opposite sign. The intent is to get the slope between these points as near zero as practical, but it isn't quite perfect. Either design should be suitable for most ham purposes, when in an oven. The hint is that upper zero-derivative point on a room-temp crystal is quite hot, the lower is below room temp.

73, Bob W3OTC

From 257481640377442291
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a778931f3f6cae9e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 14:00:52 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!elroy.jpl.nasa.gov!usc!wuarchive!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumour
Message-ID: <1990Dec11.220052.28716@athena.cs.uga.edu>
Date: 11 Dec 90 22:00:52 GMT
References: <7102@plains.NoDak.edu>
Organization: University of Georgia, Athens
Lines: 8
Posted: Tue Dec 11 23:00:52 1990

One problem with the ham community today is that people who do not like CW have already been filtered out.

Imagine what the ham community would be like if you had to operate SSTV in order to be a ham. SSTV would be more popular than it deserved to be, and it would tend to become a sacred cow.

So also Morse Code.

From 1594829136375501709
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f19630e07c0a6e24
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 14:18:43 PST

Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!
uflorida!mailer.cc.fsu.edu!sun13!murray
From: murray@sun13.scri.fsu.edu (John Murray)
Newsgroups: rec.ham-radio
Subject: Re: Alternative proposal - The Grand Radio Reorg
Message-ID: <1651@sun13.scri.fsu.edu>
Date: 11 Dec 90 22:18:43 GMT
References: <9k1yT5w163w@phoenix.com>
Organization: SCRI, Florida State University
Lines: 18
Posted: Tue Dec 11 23:18:43 1990

In article <9k1yT5w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
>
>let's go the full 9 yards and have a grand reorganization.
>
>   rec.radio.noncomm.amateur.ham.misc

You forgot rec.radio.noncomm.amateur.ham.misc.john-stanley.personal.hierarchy.

Is this very reasonable suggestion a personal affront to you or something?

I was going to refrain from voting at all, but now I think I'll vote just
to piss you off.

--
Disclaimer: Yeah, right, like you really believe I run this place.
John R. Murray | "Never code anything
murray@vsjrm.scri.fsu.edu | bigger than your head.."
Supercomputer Research Inst.| - Me

From -8003274133349192755
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31a8360191158b8e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 14:24:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!interlan.InterLan.COM!interlan.interlan.com!
yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: Another Look at Radar Detector Legality for Hams
Message-ID: <YETSKO.90Dec11101834@interlan.interlan.com>
Date: 11 Dec 90 15:18:34 GMT
References: <9012110416.AA23478@uunet.uu.net>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 10
Posted: Tue Dec 11 16:18:34 1990
In-reply-to: 1843eie@HICKAM-EMH.AF.MIL's message of 11 Dec 90 04:23:34 GMT

Photo Radar is NOT in the K or X band, but in hte Ka band, where these
restrictions do not apply. I'm not sure if they never applied there, or

if there was a special exemption for these types of equipment.

HOWEVER, I would appeal photo radar on totally different grounds. How can you confront your accuser in court when there was absolutely NO HUMAN INTERACTION at all? Totally unconstitutional, IMHO.

Mike Yetsko
N1DVJ

From 3685008078164055903
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a502a0e0ca9b4707
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 14:27:19 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!elroy.jpl.nasa.gov!ames!bionet!agate!shelby!unix!hplabs!hpfcso!ron
From: ron@hpfcso.HP.COM (Ron Miller)
Newsgroups: rec.ham-radio
Subject: Re: NEW NOVICE Seeks advice on first rig.
Message-ID: <7500061@hpfcso.HP.COM>
Date: 11 Dec 90 22:27:19 GMT
References: <10183@bunny.GTE.COM>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 19
Posted: Tue Dec 11 23:27:19 1990

Re: Rigs

I'd recommend a pass thru someone's back issues of QST magazine for product reviews. Some of the glitches they find might be serious.

Also of note, one of the Ten-Tec high-end rigs is a ham-only rig in order to eliminate synthesizer phase noise. (I forget the rig name.)

Don't let your head be turned by all the "stuff" on the high-end rigs. Most of it is for fairly specialized situations such as contesting.

I have yet to figure out what "professional grade" means when applied to "amateur" radio equipment.......

Ron
NW0U

From -1076929624173300143
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe4aa6873a1beed7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 14:32:46 PST

Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!LNCC.BITNET!USERFRFA
From: USERFRFA@LNCC.BITNET (FRANCISCO ROGERIO FONTENELE ARAGAO)
Newsgroups: rec.ham-radio
Subject: SAREX-QSO TO BE CONFIRMED
Message-ID: <96476@LNCC.BITNET>
Date: 11 Dec 90 22:32:46 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Tue Dec 11 23:32:46 1990

I DID A QSO WITH THE ROBOT BUT IT WAS NOT POSSIBLE TO COPY THE QSL-BUFFER
TO HAVE THE CONFIRMATION. HAS SOMEONE COPIED THE QSL-BUFFER WHERE APPEARS
PT2TD ?
PLEASE LET ME KNOW. THANKS IN ADVANCE.
F. ROGERIO F. ARAGAO
UNIVERSITY OF BRASILIA
E-MAIL USERFRFA@LNCC.BITNET
PT2TD

From 4667760522459804524
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e5f47581d5f63505
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaab,e49947c8a847cc31
X-Google-Attributes: gid10aaab,public
X-Google-Thread: 105d97,e5f47581d5f63505
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-11 14:40:29 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!well!tswift
From: tswift@well.sf.ca.us (Theodore John Swift)
Newsgroups: alt.books.technical,sci.electronics,rec.ham-radio
Subject: Re: A Wonderous Electronics beference book
Message-ID: <22122@well.sf.ca.us>
Date: 11 Dec 90 22:40:29 GMT
References: <808@vtserf.cc.vt.edu> <1990Dec10.152326.18542@bellcore.bellcore.com> <47242@apple.Apple.COM>
Organization: Whole Earth 'Lectronic Link, Sausalito, CA
Lines: 14
Xref: gmdzi alt.books.technical:95 sci.electronics:10150 rec.ham-radio:17776
Posted: Tue Dec 11 23:40:29 1990

>The Art of Electronics (Second Edition),
>Paul Horowitz and Winfield Hill
>
>This book is a rare jem indeed....

I concur, though I've a few friends who refer to it as "Horrible & Hill",
as they think that, while it's a great book if you already have an idea of
what H&H are trying to convey, it's too terse to be a true beginners book.

Browse through a copy and decide for yourself.
--
"You bally well are informed, Jeeves! Do you know everything?"
"I don't know, sir"   ~P.G. Wodehouse
Ted Swift tswift@well.sf.ca.us

From 1699625868227918537
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f19630e07c0a6e24
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 14:48:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: Alternative proposal - The Grand Radio Reorg
Message-ID: <om3ZT3w163w@phoenix.com>
Date: 11 Dec 90 05:33:35 GMT
References: <29@shasta.Stanford.EDU>
Organization: One Man Brand
Lines: 11
Posted: Tue Dec 11 06:33:35 1990

paulf@shasta.Stanford.EDU (paulf) writes:

> #include <standard paulf Proton - Plasma *Flame* Warning>
>

> Aside from violating the existing rec.radio tree, and being incompatible wit
> info-hams, this article was a fascinating spasmodic contradiction.

Violated it how? Contradictory how? Incompatible with Info-Hams how?
Is this one of your well reasoned arguments? Can you support any of this,
or are you just taking a cheap shot at an idea that is better than yours?

From -8110649809350491370
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 14:51:57 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Summary: Tech, General written test different
Message-ID: <655@ssc.UUCP>
Date: 11 Dec 90 22:51:57 GMT
References: <1990Dec9.231912.8685@midway.uchicago.edu> <m0VyT2w163w@phoenix.com>
Organization: very little
Lines: 19
Posted: Tue Dec 11 23:51:57 1990

In article <m0VyT2w163w@phoenix.com>, stanley@phoenix.com (John Stanley) writes:
>
>
>   And this will, of course, upgrade all Technician licenses to General,
> as the only difference is the code test. 80m phone, here I come!

This would have been true 25 years ago when I took my General, but it has not been the case for some time now. The Technician and General class written exams are no longer the same.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -1155509714767769911
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a8cd9622802815c7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 15:00:32 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: Mounting vertical antennas.
Message-ID: <11.Dec.90.15:39:05.GMT.#0240@UK.AC.NWL.IA>
Date: 11 Dec 90 15:35:09 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 36
Posted: Tue Dec 11 16:35:09 1990

Someone was asking about this; the diagram attached should explain the usuall commercial antenna installation practice.

```
 !       !       !       !!      !
 !       !       !       !!      !
 !       !       !       !!      !     RIGHT!   Mast extends through the
=========================++========    field of the antenna and so the
 !       !       !       !!      !     symmetry is preserved.
 !       !       !       !!      !
 !       !       !       !!      !
                         !!
                         !!
                         !!
                        ----
                        !  !
                        !  !
```

```
                                       !       !        !            !
          WRONG;     Stub-mast is      !       !        !            !
          not mounted symmetrically    !       !        !            !
          with respect to the field   =========================++======
          of the antenna and will      !       !        !      !!    !
          distort the polar diagram.   !       !        !      !!    !
                                       !       !        !      !!    !
                                                               !!
                                                               !!
                                                               !!
```

Of course, if you can get a non-metallic stub-mast, so much the better.
Fibreglass windsurfer masts can be used here; the slight flexibility
may make the difference between your antenna surviving high winds, and
finding a tangled heap of tubing in the back yard one morning....

Pete Lucas G6WBJ   G6WBJ@GB7SDN.GBR.EU   PJML@UK.AC.NWL.IA 0793-411613

From -8569725995910612242
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 15:01:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!mintaka!think.com!samsung!emory!hubcap!gatech!udel!rochester!uhura.cc.rochester.edu!ub!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Summary: 20 ssb is no bargain - but 10 Novice -- all I hear is a bunch of CB talk:
      what's the personal QSL QSL thats a roger ten fore heaven help us
Message-ID: <672@wells.UUCP>
Date: 11 Dec 90 04:13:43 GMT
References: <1990Dec9.231912.8685@midway.uchicago.edu>
<YETSKO.90Dec10123418@interlan.interlan.com>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 3
Posted: Tue Dec 11 05:13:43 1990

In article <YETSKO.90Dec10123418@interlan.interlan.com>,
yetsko@interlan.interlan.com (Mike Yetsko) writes:
> bunch of spoiled children. The best behaved band right now is the 10M novice
> section!

From -7825695936423755318
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,10cfc2c9d120d5f3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,10cfc2c9d120d5f3
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-11 15:06:37 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!wuarchive!
cs.utexas.edu!halley!watson
From: watson@halley.UUCP
Newsgroups: news.groups,rec.ham-radio
Subject: Re: Call for Discussion, pass two: reorganization of rec.ham-radio.*
Message-ID: <1224@halley.UUCP>
Date: 11 Dec 90 23:06:37 GMT
References: <4449@lib.tmc.edu>
Sender: news@halley.UUCP
Followup-To: news.groups,rec.ham-radio
Lines: 23
Xref: gmdzi news.groups:23540 rec.ham-radio:17778
Posted: Wed Dec 12 00:06:37 1990
In-reply-to: jmaynard@thesis1.hsch.utexas.edu's message of 11 Dec 90 17:02:27 GMT

In article <4449@lib.tmc.edu> Jay Maynard writes:

[...quite a few things which sound very reasonable to me.]

> PLANS:
> ======
> Assuming a consensus is reached by then, I intend to adhere to the
> schedule I set originally: discussion to run through 31 December, with
> the vote starting then and running through 21 January.

Due to the large number of USENET sites and potential voters
at Universities and other places with long holiday breaks, you might
want to consider delaying the vote slightly to ensure that all
interested parties have an opportunity to vote. If the vote doesn't
start until it is posted in news.announce.newgroups, it might be
actually be held 6 January through 27 January, which should be enough
delay for almost everyone concerned.

William
--
William J. Watson (Keep trying if halley bounces mail. It's flakey)
(cs.utexas.edu!halley!watson, watson@halley.uucp, watson_william@tandem.com)
Preferred^   ^Most reliable (?)

From 9073215117934011474
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e5f47581d5f63505
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaab,e49947c8a847cc31
X-Google-Attributes: gid10aaab,public
X-Google-Thread: 105d97,e5f47581d5f63505
X-Google-Attributes: gid105d97,public

X-Google-ArrivalTime: 1990-12-11 15:07:16 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!snorkelwacker.mit.edu!apple!uokmax!bateman
From: bateman@nsslsun.gcn.uoknor.edu (Monte Bateman)
Newsgroups: alt.books.technical,sci.electronics,rec.ham-radio
Subject: Re: A Wonderous Electronics beference book
Message-ID: <1990Dec11.064909.26800@uokmax.ecn.uoknor.edu>
Date: 11 Dec 90 06:49:09 GMT
References: <808@vtserf.cc.vt.edu> <1990Dec10.152326.18542@bellcore.bellcore.com> <47242@apple.Apple.COM>
Sender: news@uokmax.ecn.uoknor.edu (Nets)
Organization: National Severe Storms Laboratory
Lines: 25
Xref: gmdzi alt.books.technical:93 sci.electronics:10124 rec.ham-radio:17709
Posted: Tue Dec 11 07:49:09 1990

>mo@messy.bellcore.com (Michael O'Dell) writes:
>
>The Art of Electronics (Second Edition),
>Paul Horowitz and Winfield Hill
>

Also, don't forget:

The Student Manual for "The Art of Electronics"
by Thomas C. Hayes & Paul Horowitz ---

It's a spiral-bound workbook (for lab) that contains many
"hands-on" tests to illustrate the text of the "main" book.

All (most) of the diagrams and figures are hand-drawn -- makes it
look more "friendly" and more like a lab book.

Also a great book!

Monte
--

Monte Bateman
WB5RZX @ WB5RZX
bateman @ nsslsun.gcn.uoknor.edu
National Severe Storms Laboratory, Norman, OK! 73069

From -8052387809256397999
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cf43953988494a38,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-11 15:21:10 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!GTE.COM!pescatore_jt%ncsd.dnet
From: pescatore_jt%ncsd.dnet@GTE.COM
Newsgroups: rec.ham-radio
Subject: ARRL 10M Contest

Message-ID: <9012111621.AA00190@bunny.gte.com>
Date: 11 Dec 90 16:21:38 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 30
Posted: Tue Dec 11 17:21:38 1990

I operated at W3USS this past weekend in the 10 meter contest. It was only myself and K3ZJ, and I only was there Saturday afternoon and early evening, but we had a blast. Ended up with about 2250 QSOs, about 1700 or so on SSB since Dave is not a CW op. Not sure of the multipliers yet, since Dave was using the CT logging program, rather than the NA program which is much better for the 10 meter contest.

W3USS is the club station of the Capitol Hill Amateur Radio Society, and is maintained thru the sweat and efforts of current and past Senate employees. It was in its hay-day (sp?) when Barry Goldwater was still around, in fact he had a rig in his office and a switch where he could preempt the antennas from the club station in the basement. The setup was K3ZJ's FT-1000 (great radio), Dentron amp, and a TH6 on a 40 foot tower on the roof of the Senate office building, which means the antenna is at about 150'. The roof is copper plated but the tribander still seems to play real well. An old IBM 3270-like, XT predecessor was used as the logging computer, which is strange because it has a totally non-standard keyboard. Anyone I worked on CW, I apologize if I sent QRL QSY instead of TU!

W3USS is located in the District of Columbia, which counts as a seperate multiplier in the ARRL DX and 10M contests. Any of you who worked it and would like a QSL, QSL via W4WG. USS returns QSLs 100%.

Band conditions were good here, not sizzling like a few years ago, but we had an average rate of over 85/hour we were on. Nice DX: JD1, NH2, AH3, VR6. JA activity seemed down from previous years, mayber they are all working weekends getting HDTV to market.

73 John WB2EKK

From 172055305081688870
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-09 16:53:01 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!newstop!texsun!csccat!adept!alan
From: alan@adept.UUCP (Alan Ruffer)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <341@adept.UUCP>
Date: 10 Dec 90 00:53:01 GMT
References: <340@adept.UUCP> <oHqVT4w163w@phoenix.com>
Reply-To: alan@adept.UUCP (Alan Ruffer)
Organization: Perfect Partners Inc., Sulphur, LA

Lines: 83
Posted: Mon Dec 10 01:53:01 1990

In article <oHqVT4w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
>
>   What is the real progress? Changing the name from rec.ham-radio to
>rec.radio.amateur is not progress of any kind, much less "real". It is
>just "change".
>

John, I have to ask how can a logical person say that a name change to better describe this group to tens of thousands of sites worldwide is not progress?

Merriam-Webster defines real as: Authentic, genuine, actual and true.
Progress is defined as: To develop a higher, better or more advanced stage.
How can you state that it is not progress of ANY kind? Are your criteria different than that of the international dictionary? If so, why?

>   Since there was an affirmative reply to the post of one site against
>it, then there are obviously TWO sites. If there are TWO, then there are
>probably more.
>

Maybe not, and if so, so what? The majority consensus will prevail as defined in the net rules established for creation of new groups. Two sites MAY be 2 no votes if they even take the time to vote.

>   In fact, EVERY site will have to go through the trouble of changing
>the newsgroup names, feed and fed information, etc. All for what? A
>simple name change? Will this happen without incident? Ha ha ha.
>

What trouble?
Since you obviously are not up to speed on group creation, removal etc, a short education is in order for you. Many sites have AUTOMATIC new group creation enabled. Those that do not, require a simple intervention by the news administrator. I am the news administrator at this site, so don't try to snow me with how difficult this all is!

>   The only real change is the addition of a .rules or .legal subgroup,
>which could be done WITHOUT any other name change.
>

Wrong. See defininition of "real" above.
Sure it COULD be done without any other changes.
If you are not going to change something with the goal to make it as near perfect as something man-made can be, why bother at all?
Do you approach all your projects with an attitude of why bother to do my best?

>   Your post is yet another wild claim of perceived benefit with no
>justification provided, and it the only utter nonsense here. I have asked
>several times for a real justification for this change, and NOBODY has

>answered. The only "reason" so far is "it's a new name". So what?
>

The JUSTIFICATION was stated at the beginning of the reply as well as by numerous other posts on this subject. The only wild claims were made in your emotional original post and reply.

>   Will it stop the cross posts? Hardly. Does it describe anything
>better? No. Will it change ANYTHING, other than the name? Ha ha ha. No.
>

I've seen some negative posts in the last 4 years in this group.
You should be proud to be right up there with the worst of them, providing NO rational basis for your claims. You are guilty of the very same error you accuse me and others of making.

>   Your claim that a name change is real progress is the same as claiming
>that all New York City needs to do to solve it's problems is rename
>itself to South Bend, Indiana.
>

This is an extremely inaccurate analogy. I never claimed that the name change would provide a solution to this groups problems. Maybe next time you should spend as much time reading as you do wasting bandwith with inaccurate analogys, erroneous and inflamatory claims.

```
+----------------------------------------------------------------------------+
| Alan R. Ruffer      UUCP: {csccat,chinacat!holston}!adept!alan             |
| Route 1, Box 1745   Amateur Radio Station WB5FKH                           |
| Sulphur, LA 70663   BBS: (318) 527-6667, 19200(PEP)/9600(V.32)/2400/1200 |
|                                                                            |
| "A witty saying proves nothing." -- Voltaire                               |
+----------------------------------------------------------------------------+
```

From 5798783748046954392
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eb9268968fbce41,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 13ce86,eb9268968fbce41,start
X-Google-Attributes: gid13ce86,public
X-Google-ArrivalTime: 1990-12-09 18:39:02 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio,fido.ham-radio
Subject: "AMSAT NEWS -d "na
Message-ID: <1933@n8emr.UUCP>
Date: 10 Dec 90 02:39:02 GMT
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 263
Xref: gmdzi rec.ham-radio:17682
Posted: Mon Dec 10 03:39:02 1990

==

This file available from N8EMR's Ham BBS,

614-895-2553 1200/2400/9600/V.32/PEP/MNP5

==

Posted: Sun, Dec 9, 1990 8:37 AM GMT Msg: KGJA-4508-8571
From: CDUNCAN
To: is
CC: w1aw, bpasternak, ans, hansv
Subj: ANS$342

SB ALL @ AMSAT $ANS-342.01
SAREX MISSION IN REVIEW

HR AMSAT NEWS SERVICE BULLETIN 342.01 FROM AMSAT HQ
SILVER SPRING, MD DECEMBER 8, 1990
TO ALL RADIO AMATEURS BT

SAREX Operations Generally Successful

Starting off with a smooth launch and a "nominal trajectory," STS-35 lifted off in a spectacular night time launch with two gigantic white pillars of fire trailing behind. Aboard the shuttle Columbia was Ron Parise (WA4SIR) and the Shuttle Amateur Radio Experiment (SAREX). The SAREX consists, on this mission, of a packet radio ROBOT TNC-2 and a 5 watt FM transceiver. Operating only during his work shift, over a 1000 contacts have been logged. During his "spare" time, Ron answers questions posed by inquisitive school children. Thanks to the efforts of relay stations in Australia (VK5AGR, VK2AS, and VK6IU) and in Brazil (PY2BYO), school children from over forty schools got to hear Ron tackle some very difficult questions about space science and spaceflight. Rich Ensign (N8IWJ), an astronomy and science teacher in the Detroit area who has been monitoring these sessions is quite impressed with the questions that have been asked of Ron.

Reports from all over the world have been pouring in about the successful "connects" packet stations have made with WA4SIR. One factor which made communicating to WA4SIR difficult, if not impossible, has been Columbia's attitude. Because the ASTRO-1 experiments have required shuttle attitude adjustments, the window-mounted antenna on the pilot's side, i.e., on the right side above the centerline, has not always been earth-pointing. N3FKV notes that when the antenna is pointed away from Earth, as it has been on several occasions, signals have completely disappeared. However despite this problem, when all the QSO's are counted, it will be seen that the SAREX packet ROBOT station was a major success.

One of the final milestones yet to be achieved is a QSO between U2MIR and

WA4SIR before Columbia returns on December 10. There was a very close approach between Mir and Columbia this week, so close in fact that they were only a few dozen miles apart. In what was a coincidence, Musa Manarov (U2MIR), the most active of the amateur radio operators ever to have flown aboard MIR, has been returned to the space station this week. It is hoped that toward the end of the mission of STS-35 the the first QSO ever between "space mobiles" will take place.

For those who have made a packet contact with WA4SIR and would like to receive a QSL card, please send your QSL card, QSO number, and an S.A.S.E. to ARRL Headquarters.

/EX
SB ALL @ AMSAT $ANS-342.02
MICROSAT UPDATE

HR AMSAT NEWS SERVICE BULLETIN 342.02 FROM AMSAT HQ
SILVER SPRING, MD DECEMBER 8, 1990
TO ALL RADIO AMATEURS BT

The AMSAT Engineering Team has issued a Microsat status dated 5 DEC 90:

AO-16 is in the ROM safe mode expect for PHT telemetry which was activated by 6 DEC 90 5:00 UTC.

AMSAT's worldwide network of microsat command stations detected a change in the average battery voltage on the early evening US east coast passes on 4 DEC 90. The battery voltage was very low at the end of dark pass, 9.7v instead of the nominal 10.4v (battery voltage is one of the most important parameters to monitor, which explains why so much interest is placed on its well being). Command stations Bruce Rahn, WB9ANQ and Jim White, WD0E, noticed things were not as they should be, did some initial analysis, and bumped the problem up to N4HY and NK6K.

WD0E changed the power management limits on the mid US pass in hopes that this would stabilize the system. It was decided that if the average voltage continued to decline, AO-16 would be manually placed into the ROM safe mode, which would recharge the batteries. On the west coast pass, the battery voltage had climbed back to 10v. AO-16 was left running, in the hope of gathering data from stations on the day side of the orbits.

Alberto (I2KBD) and Carlo (IW2CTJ) did acquire daytime telemetry on following passes, N4HY determined that AO-16 was charging at an erroneously small rate. By the next US east coast pass, the onboard software had gone to its low voltage protection mode, which uses a transmitter setting of a few 10s of milliwatts. After gathering additional diagnostic information to verify that it was a software rather than hardware problem, N4HY forced AO-16 into the ROM safe mode. This mode does not use dynamic power settings, and will recharge the batteries. The problem is believed to be software only, and is likely to be related to a recent software change to increase efficiency of the BCR during dark passes.

Interestingly enough, spacecraft hardware engineers had requested that the operations group do a 50% discharge on the batteries soon, to gather data and to erase Ni-Cd "memory". As this has now been done, albeit under somewhat less controlled circumstances than planned, that procedure will no longer be necessary.

This problem is unrelated to problems with commissioning of the file server; work in that area continues. The latest version of the file server is up and running on UO-14.

[ANS thanks Harold Price, NK6K for the information for this bulletin]

/EX
SB ALL @ AMSAT $ANS-342.03
U2MIR RETURNS TO THE AIR/SPACE

HR AMSAT NEWS SERVICE BULLETIN 342.03 FROM AMSAT HQ
SILVER SPRING, MD DECEMBER 8, 1990
TO ALL RADIO AMATEURS BT

Amateur Operations aboard MIR re-commences

Within two days of returning to the Soviet Spacestation MIR, Musa (U2MIR) has resumed amateur radio operations. WA1OMM reports that he had a short QSO with Musa on 145.55 FM on 06 Dec 90. If you will recall, Musa was very active during his first assignment aboard MIR. It is unclear as to how long Musa will be assigned to MIR on this go-around (pun intended). MIR's 51 degree inclination orbit makes it accessible for just about all of the amateur population (Columbia's 28.5 degree orbit makes it very difficult for stations much above 40 degrees in latitude to get a good shot at the orbiter).

Although Musa's arrival on MIR was too late to attempt a contact with WA4SIR onboard Columbia, there may be an opportunity toward the end of Columbia's mission when the two spacecraft will be within a few hundred kilometers of each other. (Approximately every 7 to 8 days the orbits of the two spacecraft 'allign' allowing visual and direct radio contact.) If that occurs, Ron and Musa will attempt the first ever US to Soviet orbiter communication. This QSO will also be note-worthy in that the commander of the Columbia Astro-1 mission is Vance Brand, who participated in the Apollo-Soyuz Mission in 1975 and it is expected that Vance will have a few words to share with the Soviet Cosmonauts.

In January, MIR is scheduled to receive a packet radio experiment package which is to be permanently installed on MIR. It will use a standard TNC employing AFSK (FM) modulation of AX.25. Besides operating in packet mode, it will also have a voice synthesizer which will transmit greetings and general information in English, Russian, and German. The 'Club' Station on MIR has a dedicated exterior antenna and it is expected that the permanent station setup will make it convenient for the other cosmonauts to occasionally pick up the mike and make a few QSOs. If you missed having a QSO with WA4SIR, try listening for Musa and the gang on 145.55 (simplex).

/EX

SB ALL @ AMSAT $ANS-342.04
ZRO TEST SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 342.04 FROM AMSAT HQ
SILVER SPRING, MD DECEMBER 8, 1990
TO ALL RADIO AMATEURS BT

Schedule of ZRO Tests, Fall Edition

The following schedule of Mode "B" and "JL" ZRO tests were chosen for convenient operating times and favorable squint angles. The "B" tests can be heard on 145.840 MHz and the "JL" test on 435.945 MHz.:

Saturday December 15, 1990 at 1630 UTC "B"
Saturday December 22, 1990 at 0530 UTC "B"
Saturday December 22, 1990 at 0645 UTC "JL"

Note that the dates and times are noted in "UTC." The tests on December 22nd occur late Friday night for those in North America. Any changes will be announced as soon as possible via the AMSAT HF and AO-13 Operations Nets as well as ANS. Recently updated ZRO brochures are available from WA5ZIB, Andy MacAllister, AMSAT V.P. User Operations, 14714 Knightsway Drive, Houston, TX 77083 for an S.A.S.E. with two units of postage. The brochure describes test procedures and means for obtaining certificates and gives some historical background about the program.

All listener reports with date of test and numbers copied should be sent to WA5ZIB at the address above. A report will be returned verifying the level of accurate reception. Good luck!

/EX

SB ALL @ AMSAT $ANS-342.05
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 342.05 FROM AMSAT HQ
SILVER SPRING, MD December 8, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times.
Mode B nets are conducted on an AO-13 downlink frequency of 145.950.
Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date	Phs	mode	UTC	NCS	Alt.	U.S. day
15 Dec 90	97	J/L	1400	N5BF	WD0E	Saturday

A new schedule covering the period after 26 December 90 will be issued shortly.

Nets are scheduled for North American geographic coverage and time zones although other parts of the world are often within the footprint and check-ins

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from everywhere are welcome.  Those who don't have adequate and convenient
coverage from this net are encouraged to schedule their own nets via AO-13.
Write to AMSAT Headquarters or send a note to N5BF @ WB6YMH with your schedule
to have it included in ANS.

For information on the amateur satellite program and how you can participate,
contact AMSAT-NA Headquarters at P.O. Box 27, Washington, DC 20044, phone
(301) 589-6062, or contact your local AMSAT Area Coordinator.

/EX
SB ALL @ AMSAT      $ANS-342.06
FALL AO-13 TRANSPONDER SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 342.06 FROM AMSAT HQ
SILVER SPRING, MD DECEMBER 8, 1990
TO ALL RADIO AMATEURS BT

The transponder schedule for AO-13 is as follows:

              Mode-B :       MA 000 to MA 095
              Mode-JL:       MA 095 to MA 125
              Mode-LS:       MA 125 to MA 130
              Mode-S :       MA 130 to MA 135
              Mode-BS:       MA 135 to MA 140 <---  QRP on Mode B Please
              Mode-B :       MA 140 to MA 256
              Omnis  :       MA 220 to MA 040


This schedule is expected to continue through 26 Dec 90.

The command team requests that you make a specific effort to use QRP on Mode B
between MA 135 to 140.  This is specifically to help those people
experimenting with Mode S. (Although you really should always keep checking
that your peak signal is never stronger than the beacon (145.813/435.651 MHz)


The spacecraft attitude of AO-13 is calculated to be:

                     BLON = 179.7  and  BLAT = -3.3  for 17 December 90

AMSAT-OSCAR-10 appears to be receiving sufficient solar panel illumination to
support Mode-B transponder operations. The transponder may be used, carefully,
at all points of the orbit except MA 254 - 006 when eclipses occur.  If beacon
or transponder signals show signs of FMing, users should cease all transponder
use immediately.  An APPROXIMATION of the spacecraft attitude for AO-10 is :

                 BLON = 4.0    and  BLAT = 0.0  for 15 December 90

/EX

Command?
```

```
From 5222634696377422288
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,228402bbd7e2591f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 13ce86,228402bbd7e2591f,start
X-Google-Attributes: gid13ce86,public
X-Google-ArrivalTime: 1990-12-09 18:39:16 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio,fido.ham-radio
Subject: "AMSAT ELEMENTS -d "na
Message-ID: <1934@n8emr.UUCP>
Date: 10 Dec 90 02:39:16 GMT
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 376
Xref: gmdzi rec.ham-radio:17683
Posted: Mon Dec 10 03:39:16 1990


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     This file available from N8EMR's Ham BBS,

     614-895-2553 1200/2400/9600/V.32/PEP/MNP5

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Posted: Sun, Dec  2, 1990   5:15 PM GMT              Msg: IGJA-4498-1379
From:   DCAMPBELL
To:     is
Subj:   ORBS$336

SB ALL @ AMSAT  $ORBS-336.O
Orbital Elements   336.OSCAR

HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES
FROM N3FKV HEWITT, TX      DECEMBER 2, 1990
TO ALL RADIO AMATEURS BT

Satellite: AO-10
Catalog number: 14129
Epoch time:      90332.25271924
Element set:     624
Inclination:       25.9882 deg
RA of node:       173.0385 deg
Eccentricity:    0.5961522
Arg of perigee:   196.0096 deg
Mean anomaly:     131.0667 deg
Mean motion:    2.05881458 rev/day
Decay rate:      -2.40e-07 rev/day^2
Epoch rev:            2811

Satellite: UO-11
Catalog number: 14781
Epoch time:      90332.07190447
Element set:     883
Inclination:       97.9304 deg
RA of node:        19.1267 deg
Eccentricity:    0.0013667
Arg of perigee:    86.8241 deg
Mean anomaly:     273.4466 deg
Mean motion:   14.65913841 rev/day
Decay rate:      1.296e-05 rev/day^2
Epoch rev:           35997

Satellite: RS-10/11
Catalog number: 18129
Epoch time:      90333.99069137
Element set:     445
Inclination:       82.9271 deg
RA of node:       206.0219 deg
Eccentricity:    0.0012353
Arg of perigee:    25.4777 deg
Mean anomaly:     334.6996 deg
Mean motion:   13.72126500 rev/day
Decay rate:       1.44e-06 rev/day^2
Epoch rev:           17218

Satellite: AO-13
Catalog number: 19216
Epoch time:      90317.50267394
Element set:     224
Inclination:       56.9436 deg
RA of node:       126.0467 deg
Eccentricity:    0.7064813
Arg of perigee:   240.2087 deg
Mean anomaly:      32.9306 deg
Mean motion:    2.09704510 rev/day
Decay rate:      -2.01e-06 rev/day^2
Epoch rev:            1853

Satellite: FO-20
Catalog number: 20480
Epoch time:      90332.06055419
Element set:     173
Inclination:       99.0226 deg
RA of node:       347.5059 deg
Eccentricity:    0.0541485
Arg of perigee:    37.3289 deg
Mean anomaly:     326.4211 deg
Mean motion:   12.83164227 rev/day
```

```
Decay rate:      -2.10e-07 rev/day^2
Epoch rev:            3776

/EX
SB ALL @ AMSAT  $ORBS-336.D
Orbital Elements   336.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS
FROM N3FKV HEWITT, TX      DECEMBER 2, 1990
TO ALL RADIO AMATEURS BT

Satellite: UO-14
Catalog number: 20437
Epoch time:      90332.75378041
Element set:     278
Inclination:       98.6889 deg
RA of node:        48.2811 deg
Eccentricity:    0.0012144
Arg of perigee:    34.5836 deg
Mean anomaly:     325.6118 deg
Mean motion:   14.28799668 rev/day
Decay rate:       4.55e-06 rev/day^2
Epoch rev:            4436

Satellite: AO-16
Catalog number: 20439
Epoch time:      90333.50208801
Element set:     177
Inclination:       98.6927 deg
RA of node:        49.2319 deg
Eccentricity:    0.0012457
Arg of perigee:    35.2900 deg
Mean anomaly:     324.9102 deg
Mean motion:   14.28897529 rev/day
Decay rate:       3.47e-06 rev/day^2
Epoch rev:            4447

Satellite: DO-17
Catalog number: 20440
Epoch time:      90333.49227820
Element set:     178
Inclination:       98.6925 deg
RA of node:        49.2450 deg
Eccentricity:    0.0012547
Arg of perigee:    35.7179 deg
Mean anomaly:     324.4839 deg
Mean motion:   14.28955090 rev/day
Decay rate:       3.76e-06 rev/day^2
Epoch rev:            4447

Satellite: WO-18
Catalog number: 20441
Epoch time:      90331.23047024
```

```
Element set:     176
Inclination:       98.6929 deg
RA of node:        47.0289 deg
Eccentricity:    0.0013129
Arg of perigee:    41.5061 deg
Mean anomaly:     318.7089 deg
Mean motion:   14.29035020 rev/day
Decay rate:       3.98e-06 rev/day^2
Epoch rev:            4415

Satellite: LO-19
Catalog number: 20442
Epoch time:      90331.70558414
Element set:     178
Inclination:       98.6922 deg
RA of node:        47.5360 deg
Eccentricity:    0.0013466
Arg of perigee:    39.7254 deg
Mean anomaly:     320.4877 deg
Mean motion:   14.29107316 rev/day
Decay rate:       4.01e-06 rev/day^2
Epoch rev:            4422

/EX
SB ALL @ AMSAT  $ORBS-336.M
Orbital Elements   336.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES
FROM N3FKV HEWITT, TX      DECEMBER 2, 1990
TO ALL RADIO AMATEURS BT

Satellite: STS-35
Catalog number: unk
Epoch time:      90336.40001157
Element set:     10
Inclination:       28.4660 deg
RA of node:         4.2307 deg
Eccentricity:    0.0007615
Arg of perigee:   262.9346 deg
Mean anomaly:     105.7853 deg
Mean motion:   15.72113473 rev/day
Decay rate:       3.10e-04 rev/day^2
Epoch rev:               4

Satellite: SALYUT 7
Catalog number: 13138
Epoch time:      90333.97265061
Element set:     662
Inclination:       51.5959 deg
RA of node:       173.9069 deg
Eccentricity:    0.0003175
Arg of perigee:   196.6936 deg
Mean anomaly:     163.2527 deg
Mean motion:   15.86403456 rev/day
Decay rate:     1.2091e-03 rev/day^2
Epoch rev:           49094

Satellite: MIR
Catalog number: 16609
Epoch time:      90334.04351673
Element set:     122
Inclination:       51.6102 deg
RA of node:       215.1108 deg
Eccentricity:    0.0024463
Arg of perigee:   310.1327 deg
Mean anomaly:      49.6882 deg
Mean motion:   15.59575182 rev/day
Decay rate:     3.1008e-04 rev/day^2
Epoch rev:           27400

Satellite: HUBBLE
Catalog number: 20580
Epoch time:      90333.90970156
Element set:     348
Inclination:       28.4718 deg
RA of node:       274.4732 deg
Eccentricity:    0.0005354
Arg of perigee:    50.8359 deg
Mean anomaly:     309.2767 deg
Mean motion:   14.85605583 rev/day
Decay rate:      3.653e-05 rev/day^2
Epoch rev:            3263

Satellite: BADR-1
Catalog number: 20685
Epoch time:      90333.70201841
Element set:     235
Inclination:       28.4734 deg
RA of node:        87.3971 deg
Eccentricity:    0.0153531
Arg of perigee:   211.6793 deg
Mean anomaly:     147.4492 deg
Mean motion:   16.00297240 rev/day
Decay rate:     1.1630e-02 rev/day^2
Epoch rev:            2096

/EX
SB ALL @ AMSAT  $ORBS-336.W
Orbital Elements   336.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM N3FKV HEWITT, TX      DECEMBER 2, 1990
TO ALL RADIO AMATEURS BT

Satellite: NOAA-9
Catalog number: 15427
```

```
Epoch time:      90334.21373281
Element set:     678
Inclination:       99.1723 deg
RA of node:       337.9666 deg
Eccentricity:    0.0014282
Arg of perigee:   262.8752 deg
Mean anomaly:      97.0796 deg
Mean motion:   14.12739035 rev/day
Decay rate:       2.69e-06 rev/day^2
Epoch rev:           30742

Satellite: NOAA-10
Catalog number: 16969
Epoch time:      90334.06248660
Element set:     527
Inclination:       98.5853 deg
RA of node:       358.1957 deg
Eccentricity:    0.0013759
Arg of perigee:   143.4103 deg
Mean anomaly:     216.8018 deg
Mean motion:   14.23810582 rev/day
Decay rate:       3.99e-06 rev/day^2
Epoch rev:           21821

Satellite: MET-2/17
Catalog number: 18820
Epoch time:      90331.75678490
Element set:     431
Inclination:       82.5448 deg
RA of node:       220.4189 deg
Eccentricity:    0.0015233
Arg of perigee:   223.8664 deg
Mean anomaly:     136.1275 deg
Mean motion:   13.84397735 rev/day
Decay rate:       2.39e-06 rev/day^2
Epoch rev:           14281

Satellite: MET-3/2
Catalog number: 19336
Epoch time:      90333.96992456
Element set:     678
Inclination:       82.5466 deg
RA of node:       160.1516 deg
Eccentricity:    0.0016216
Arg of perigee:   261.7550 deg
Mean anomaly:      98.1729 deg
Mean motion:   13.16905867 rev/day
Decay rate:       2.50e-07 rev/day^2
Epoch rev:           11277

Satellite: NOAA-11
Catalog number: 19531
Epoch time:      90333.37790720
```

```
Element set:     431
Inclination:       99.0034 deg
RA of node:       282.0381 deg
Eccentricity:    0.0012355
Arg of perigee:   174.9325 deg
Mean anomaly:     185.1973 deg
Mean motion:   14.11806615 rev/day
Decay rate:       2.53e-06 rev/day^2
Epoch rev:           11227

Satellite: MET-2/18
Catalog number: 19851
Epoch time:      90331.98826988
Element set:     381
Inclination:       82.5121 deg
RA of node:        97.9610 deg
Eccentricity:    0.0012799
Arg of perigee:   267.8018 deg
Mean anomaly:      92.1676 deg
Mean motion:   13.84027721 rev/day
Decay rate:       1.90e-06 rev/day^2
Epoch rev:            8822

Satellite: MET-3/3
Catalog number: 20305
Epoch time:      90328.80575896
Element set:     277
Inclination:       82.5524 deg
RA of node:       104.7328 deg
Eccentricity:    0.0015680
Arg of perigee:   290.2485 deg
Mean anomaly:      69.6960 deg
Mean motion:   13.15866479 rev/day
Decay rate:       5.00e-08 rev/day^2
Epoch rev:            5207

Satellite: MET-2/19
Catalog number: 20670
Epoch time:      90329.02543228
Element set:     129
Inclination:       82.5484 deg
RA of node:       161.0062 deg
Eccentricity:    0.0014920
Arg of perigee:   193.6645 deg
Mean anomaly:     166.4104 deg
Mean motion:   13.83879772 rev/day
Decay rate:       1.54e-06 rev/day^2
Epoch rev:            2076

Satellite: FY-1/2
Catalog number: 20788
Epoch time:      90330.09862602
Element set:      75
```

```
Inclination:       98.9335 deg
RA of node:         2.9135 deg
Eccentricity:    0.0011116
Arg of perigee:    31.9177 deg
Mean anomaly:     328.2441 deg
Mean motion:   14.00583082 rev/day
Decay rate:       3.97e-06 rev/day^2
Epoch rev:            1177

Satellite: MET-2/20
Catalog number: 20826
Epoch time:      90332.06154856
Element set:      80
Inclination:       82.5247 deg
RA of node:        97.8451 deg
Eccentricity:    0.0014662
Arg of perigee:    81.3584 deg
Mean anomaly:     278.9236 deg
Mean motion:   13.83240219 rev/day
Decay rate:       1.37e-06 rev/day^2
Epoch rev:             840

/EX

Command?
```

```
From -5442144399347067082
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ff0321109cc9e28e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-09 23:19:14 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!apple!agate!pasteur!ucbvax!
cmr.ncsl.nist.gov!rc
From: rc@cmr.ncsl.nist.gov (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: W.W. II
Message-ID: <9012092236.AA12518@cmr.ncsl.nist.gov>
Date: 9 Dec 90 22:36:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
     formerly National Bureau of Standards
Lines: 23
Posted: Sun Dec  9 23:36:00 1990
```

KB2JAC/9 wonders what happened to ham radio in W.W. II. For an extremely brief summary, I suggest the December 1990 QST, wherein there is a short accounting as part of the review of the last 75 years of ARRL.

All US hams were ordered off (by the FCC) on December 8, 1941. There were all sorts of worries about spies. Hams, in general, were not presumed to be any less likely to be sending "secret" messages - thus off the air to reduce the work of the monitoring folks. Many hams ended up in the service, and most work weeks in factories were 6 full days. This didn't leave a lot of free time. There was a War Emergency Radio Service (WERS) in association with Civil Defense, which attracted quite a few hams. It was on the old 2-1/2 meter band 112-116 MHz, using AM (sometimes modulated oscillators) and superregenerative receivers. Awful performance. I was a bit young for such things, and didn't know any active people in Richmond, VA., where my family was moved with the US Patent Office "for the duration". The Patent Office was sent out of Washington to make room for more immediate war agencies.

The Washington Radio Club continued to meet throughout the war, kept alive by among others, its YL members such as W3CDQ and Fran Darne (call forgotten). Amateur OPERATOR licenses continued to be issued, and some of my now-friends (ie: W3XO) got tickets during the war.

73, W3OTC

From 3099630152021537196
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,81962d0aa7aa67a6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-09 23:26:58 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Communications Quarterly
Message-ID: <47226@apple.Apple.COM>
Date: 9 Dec 90 23:44:16 GMT
Organization: Apple Computer Inc., Cupertino, CA
Lines: 52
Posted: Mon Dec 10 00:44:16 1990

A little while ago, Ron Todd posted information on how to get a subscription to Communications Quarterly (cute pun, eh?). Well, too late for me, but they also have a toll free number

(800) 457-7373.

I subscribed blindly (not regreting it at all, after reading the first issue), but for the curious, the first year's subscription is $27.95. The price per issue is listed as $9.95 on the cover, but I have not yet seen it surface on newstands that hawk CQ and 73.

A little pricy, but IMHO (except for a minor nit), it is a *much* better bang-for-the-buck than either CQ or 73. There is not a single mention of a contest! I would have paid an extra buck for that :-).

In the first issue, there is everything for a LowFER nut to people addicted to the HBR-xx articles that used to appear in the QSTs of the good old days. Not surprisingly, the whole thing has a Ham Radio (the publication) "feel" to it.

I am a little disappointed at the number of errors when equations came into play, though. Slightly weak technical editing, perhaps? Not just in one article but everywhere an equation appears, almost. E.g., note the variable of integration in the first equation of the DSP article; similarly, the summation index of the inverse Fast Hartley transform in the same article. Notice that the Hanning window in that article evaluated to be a constant! :-) Tsk, tsk. Bad sign for an article that is a tutorial. The article on S-parameters carried similar sloppiness - h22 in Figure 2 should not be dimensionless and they invented a new symbol that I have never before encountered for the dimensionless h12 :-).

But, anyway, perhaps nobody depends on equations published in Ham publications, so who cares, eh?

Still, if the future articles maintain the interesting technical mix that appears in the first issue, they can be assured that I will continue to subscribe. I only wished that I didn't have to wait three months for the next issue! When was the last time you said that after reading CQ or 73 (sorry, W2NSD :-)?

So, for those of you who are sitting on the fence: go for it! If anything, it will show them publishers that there are still Hams interested in the technical aspects of the hobby.

73 and keep building 'em thar gear,

Kok Chen, AA6TY kchen@apple.com
Apple Computer, Inc.

From -8802304571802339511
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-09 23:44:14 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!apple!agate!shelby!neon!kaufman
From: kaufman@Neon.Stanford.EDU (Marc T. Kaufman)
Newsgroups: rec.ham-radio
Subject: Re: Another look at Radar Detector Legality for Hams
Message-ID: <1990Dec10.000642.6203@Neon.Stanford.EDU>
Date: 10 Dec 90 00:06:42 GMT
References: <34420@netnews.upenn.edu> <1990Dec9.094249.19547@athena.mit.edu> <34445@netnews.upenn.edu>
Organization: Computer Science Department, Stanford University
Lines: 20
Posted: Mon Dec 10 01:06:42 1990

In article <34445@netnews.upenn.edu> depolo@eniac.seas.upenn.edu (Jeff DePolo) writes:

>Radar guns aren't classified as telemetry equipment. The license is
>for radiolocation. FCC regs also state that this type of device must
>be manned. Also, a radar detector is a radio receiver. If somebody
>is interfering with its use, that is, somebody is setting it off without
>a reason for transmitting, that is also an FCC violation. See part
>15 for more info. Radar guns are part 15 devices, from what I remember.

I don't recall a prohibition against receiving radar in the ECPA. Does that mean there is explicit Federal permission? If so, aren't state laws making radar detectors illegal preempted by ECPA? And what about out-of-state vehicles? If radar detectors are legal in the state your car is registered in, isn't it impermissible interference with interstate commerce to bust someone for driving through another state with one?

Too bad no one has the time or money to persue this and maybe kill such laws once and for all.

Marc Kaufman (kaufman@Neon.stanford.edu)

From -1810698438689197084
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-09 23:59:02 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!umich!sharkey!msuinfo!midway!ellis.uchicago.edu!pbhx
From: pbhx@ellis.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: FCC Rumor -- (But what if it is true?)
Message-ID: <1990Dec9.231912.8685@midway.uchicago.edu>
Date: 9 Dec 90 23:19:12 GMT
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 46
Posted: Mon Dec 10 00:19:12 1990

Gawd -- don't you hate rumors! How about this one we picked up overnight in Chicago.

On December 13, the FCC will make its long awaited Communicator Class announcement. But the shocker will what else they announce on that date: that element 1B will no longer be required for General and Advanced and that element 1C will no longer be required for Extra. Yes, the hot rumor is that the 13 wpm and 20 wpm requirements are dead and that one will only need to demonstrate code proficiency at 5 wpm for *ANY* amateur license (excluding, of course,the Communicator License which will be code free.)

The FCC can do this, because, as I pointed out in the following
post I made here on November 6, while code proficiency *is*
required by international agreement for HF work, speed above 5 wpm
is *not required.*

(Now, just wait until Thursday, and watch the FCC blow this rumor
away.)

On November 6 I posted:

:>In article <7880341@hpfcdc.HP.COM>
    ajs@hpfcdc.HP.COM (Alan Silverstein) writes:
:>
:>So it seems clear to me that it's an improper REQUIREMENT. Regardless
:>of how easy it is to learn, regardless of how nice or fun or efficient
:>it is, if it's not something you must know to be a successful ham and
:>to contribute to the hobby, it's an improper requirement.
:>
:
:Alan, the unfortunate thing is that it is required by international
:agreement for work on the HF bands. However, what is NOT required by
:that agreement is speed above 5 wpm. Since we HAVE to have code for
:HF, we should test ONLY at 5 wpm. If people think it would be nice to
:show greater proficiency than 5 wpm, let's roll that into the written
:exam process by adding questions to the written. I.e., let's add 5
:code questions to the extra, increasing the questions asked to 55 and
:the passing score to 41. That way, if you fail the five code
:questions, you don't fail the test.

--

Peter B. Hayward   N9IZT
University of Chicago Computing Organizations

From 5700163110520445704
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 02:29:19 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!unixhub!shelby!paulf@shasta.Stanford.EDU
From: paulf@shasta.Stanford.EDU (paulf)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <27@shasta.Stanford.EDU>
Date: 10 Dec 90 01:24:53 GMT
References: <26@shasta.Stanford.EDU> <mPBXT1w163w@phoenix.com>
Organization: The Three Packeteers
Lines: 108
Posted: Mon Dec 10 02:24:53 1990

In article <mPBXT1w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
>   So then, the discussions in news.admin about trapping all newgroup

>messages so they are done by hand are also false? If you trap the ones
>creating alt.nuke.edward.teller.boom.boom.boom then you also trap the
>ones for rec.radio.amateur. Not every site does this, yet, but it seems
>to be a trend.

That's an argument against ANY change, not just the name change and group addition. And it's also largely a problem with ALTnet and ALTnet only. Assuming that the people who are working on the mkgroup authentication hack finish fairly soon, this will be a moot point, in any event.

>   Hmmm. News.*, comp.*, rec.*, talk.*, sci.*. Rec.ham-radio seems to fit
>quite well in the rec.* hierarchy.

Yeah, the same what alt.swedish-chef.bork.bork.bork does.

This does not justify having ham-radio as a second level domain, which is the principal contention.

>   Moving rec.ham-radio down under rec.radio will do nothing to reduce
>the growth.

Never claimed it would. It does however make that growth easier to manage.

> It will do nothing to sort out the traffic into more
>appropriate places. Creating .legal (or .rules) will help, but could be
>done much more easily as a subgroup of rec.ham-radio. Imagine, any site
>not wanting rec.ham-radio.legal need do NOTHING, versus creating a new
>set of groups and deleting old.

Contradiction #1. You claimed earlier that it was a royal pain to hack the distribution. Now you claim that they "need do NOTHING". Uh huh.

>   There is no good justification for third level status, either. Is
>being at the second level really a status symbol? If so, then we should
>be the LAST ones to suggest a change.

No, there's not status associated with domain level. The justification for hanging the ham-radio tree under the radio tree is both intuitive and obvious. In fact, hyphenated domain levels are seen as being somewhat archaic...

>   What will moving down a level do to traffic? It will increase it. It
>seems, from my experience, that feeds often do the easiest thing for
>them. If you ask to have rec.arts.startrek added to your feed, they will
>probably add r.a.*.

This is only a problem if you assume that the readers of rec.ham-radio are not interested in the rest of the rec.radio hierarchy, an assumtion that is false for the most part. Now whether they have the time to read the entire hierarchy is a different matter...

>Now you have all of arts being stuffed down your
>throat, using your bandwidth, filling your junk. (Junk is the highest

>volume group, here.) So, moving under rec.radio means you will get all of
>rec.radio, like it or not. A waste.

The usual cause of "junk" filling up is a mismatch between your distribution and you active files. Bnews (and presumably Cnews) junk articles that they can't find an active entry for. If your "junk" is in fact your highest volume newsgroup, then it sounds like your site is misconfigured. Remember, just because "you" don't subscribe to a group doesn't mean the system won't keep the group around for others to read.

> Which rec.radio is related to packet? Maybe the best thing to do is
>just be subsumed under rec.radio.noncomm. Not rec.radio.noncomm.amateur,
>just r.r.n. There is pitifully little traffic in r.r.n now, so we would be
>able to take them over with little effort.

The purpose of the hierarchal structure of USENET is to divide posts into meaningful structure. What goes on in r.r.n has little to do with Amateur Radio (read the group charter). Moreover, your suggestion of "taking it over" is childish at best.

> If it made any sense to change, then yes. Since there is NO benefit to
>changing, then there is no sense to change. I haven't seen the arbitrons,
>but my impression is that rec.radio.noncomm is nearly dead, and
>rec.radio.shortwave is mostly crossposts from r.h. Which tree is smaller?

It's quite clear that noncomm has little if anything to do with ham radio. It is quite clear that ham radio has something to do with radio. At least the last time I took E&M it did, anyway.

> Where in the suggested change was the .d group? Aren't discussions
>still going to take place in rec.radio.amateur?

Jay and I hashed this out about a week or two ago. Basically, .legal IS meant to be the debate (old term for .d groups) group for the r.r.ham (at this point most likely ham => amateur).

> I agree with the suggestion to add rec.ham-radio.legal. It can be
>quite simple to do that.

There is no difference in difficulty between adding rec.ham-radio.legal only and adding and deleting four newsgroups. You still have to enter emacs only once, if at all.

On the whole, the name change is more of an administrative change than anything else. If nothing else, it allows for a more logical growth in the tree structure for future splinter groups off of the ham radio discussion section. Certainly, the name change does't address some of the other problems (for example, traffic volume) that currently exist. But it does make addressing those problems easier, and at a very minimal cost.

```
-=Paul Flaherty, N9FZX      | Without KILL files,
->paulf@shasta.Stanford.EDU | life itself would be impossible.
```

From 3541061672307725751
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c5092928f391e452
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 03:00:48 PST
Path: gmdzi!unido!mcsun!uunet!know!sdd.hp.com!hplabs!hpfcso!hpfcmdd!hpbbrd!hpbbn!hpcc05!hpcuhb!hpsqf!hpqmola!hpqmole!dstock
From: dstock@hpqmole.sqf.hp.com (David Stockton)
Newsgroups: rec.ham-radio
Subject: Re: The Amateur Radio Ops. well stocked library.
Message-ID: <410017@hpqmole.sqf.hp.com>
Date: 10 Dec 90 11:00:48 GMT
References: <2345.275fab71@iccgcc.decnet.ab.com>
Organization: HP,Queensferry Microwave UK
Lines: 19
Posted: Mon Dec 10 12:00:48 1990

I dont know about who has reviewed it but I can give it my personal recommendation as one of my favourites. Can you get to meet one at a local library? It is possible that a university library could give you the opportunity to sit down with a copy for a few hours and form your own opinion. The other books I'd recommend personally are:

Frequency synthesisers   ..... Ulrich Rohde

The Art of Electronics 2nd edition   Horowitz&hill

Single sideband circuits & systems (I think is the title)
A boot by Collins staffers including Sabine and Schoenike
as an update of the old pappenfuss/shoenike book

should see tou through a good few sleepless nights !

73   GM4ZNX

From -8159037729813590621
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2e09e6eeb830269d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 03:42:41 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!network.ucsd.edu!brent
From: brent@network.ucsd.edu (Brent Jones)
Newsgroups: rec.ham-radio
Subject: Additional TH-75 mods.
Keywords: TX Audio, Trickle Charge
Message-ID: <4189@network.ucsd.edu>
Date: 10 Dec 90 03:40:51 GMT
Organization: Ich geh' kaput. Kommst du mit?

Lines: 41
Posted: Mon Dec 10 04:40:51 1990

Here are a couple more somewhat useful modifications to the Kenwood TH-75 dual band HT, in addition the the previously posted mods for talking to the Police and Sheriff.

I. Kenwood somehow got the idea that their HTs don't require a hole in the case of the radio for the microphone. On their earlier HTs, and on the 75, the microphone is conductively coupled to the case of the radio, rather than having some hole for the audio to pass through like other manufacturers have. For higher fidelity audio and that comfortable living-room stereo sound, I highly recommend drilling a hole in the case of the Kenwood. (Remove mic element first...) A couple of holes can be discretely drilled near the speaker grille just above the last "4" of the "144/" marking on the front. For fuller audio, drill a bigger hole. You should also place a small piece of cloth between the mic element and the case when you put everything back together to cut down on wind noise.

II. I was disappointed Kenwood didn't have a trickle charge feature for the battery pack when you plug the radio into an external DC source. This is easily modified, and the result works well keeping a 50ma. charging current to the battery.

Remove the front panel of the radio and the top knobs. CAREFULLY unsnap the top plastic cover with the volume markings, etc. Remove the five screws holding the TX-RX board to the back panel. (You must remove the TSU-6 to get to the 5th screw.) Lay this board on the bench so the foil side is facing you. The external DC-in jack has three solder leads arranged vertically holding it to the board. Jumper the upper two leads toward the top of the radio. This insures a negative lead connection to the battery pack with 12V plugged in. Next, solder a 100 Ohm resistor across the large diode labeled D2 at the bottom of the board. This provides the 50ma. (approx.) charging current to the battery. Reassemble the radio.

- These are a couple handy mods and will insure that when you call your emergency in to a police dispatcher, your audio will be clear and your battery charged. But, don't forget and leave the 12V plugged into the radio for a couple days and fry your battery pack. The things are damned expensive, and I take no responsibility for the use/abuse of the above mentioned modifications.

Brent

From 5833423117478993137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 03:48:13 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)

Newsgroups: rec.ham-radio
Subject: Re: Another look at Radar Detector Legality for Hams
Summary: I don't get it....
Message-ID: <635@ssc.UUCP>
Date: 9 Dec 90 18:52:37 GMT
References: <655.2758ED18@w8grt.fidonet.org> <5440018@hpcvck.CV.HP.COM>
Organization: very little
Lines: 26
Posted: Sun Dec 9 19:52:37 1990

In article <5440018@hpcvck.CV.HP.COM>, mcross@hpcvck.CV.HP.COM (Minor Cross) writes:
> One of the local officiers, who is also a ham, has a lot of fun with his
> radar unit! When he spots a car with a radar detector in the window, he
> likes to track the car, with the speed gun OFF! Likes to watch the
> reactions of the drivers trying to figure out why their detectors didn't
> alert them to his radar!!
>

I don't get it! Do you mean he sits by the side of the road, waiting for someone to come by with a radar detector, and then just guesses the speed without turning the gun on?

Or do you mean he paces the car by following it? In this case, he would never use radar anyway.

Please clarify.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -8259788610787589206
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 03:54:07 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <1990Dec10.040840.9136@athena.cs.uga.edu>
Date: 10 Dec 90 04:08:40 GMT
References: <1990Dec9.231912.8685@midway.uchicago.edu>
Organization: University of Georgia, Athens
Lines: 21

Posted: Mon Dec 10 05:08:40 1990

In article <1990Dec9.231912.8685@midway.uchicago.edu> pbhx@ellis.uchicago.edu
(Peter B. Hayward) writes:
>G?d -- don't you hate rumors! How about this one we picked
>up overnight in Chicago.
>On December 13, the FCC will make its long awaited Communicator Class
>announcement. But the shocker will what else they announce on that
>date: that element 1B will no longer be required for General and
>Advanced and that element 1C will no longer be required for Extra.
>Yes, the hot rumor is that the 13 wpm and 20 wpm requirements are dead
>and that one will only need to demonstrate code proficiency at 5 wpm
>for *ANY* amateur license (excluding, of course,the Communicator
>License which will be code free.)
>

I like it! I don't _believe_ it but it strikes me as a long-overdue
modernization.

People talk about how a "no-code" license will lead to a "no-theory"
license. It seems to me that the opposite is the case. The "code
forever" people (especially ARRL) are adamantly telling us that we
must _keep_ the Novice class _because_ its theory requirements are
minimal! Never mind TCP/IP, folks, Morse is the wave of the future! -)

From 757592147969040875
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 05:27:40 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!ub!dsinc!
netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Re: Another look at Radar Detector Legality for Hams
Message-ID: <34461@netnews.upenn.edu>
Date: 10 Dec 90 05:42:09 GMT
References: <703.27627C76@w8grt.fidonet.org>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 25
Posted: Mon Dec 10 06:42:09 1990

In article <703.27627C76@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim
Grubs) writes:
>
>
>An FCC engineer, even if he cared, we would be hard put to demonstrate that
>this is not VTO enforcement. The purpose of enforcement is to ensure
>compliance, not to rack up a lot of traffic court 'kills'. If the radar trips
>a few fuzzbusters while the watch commander is deciding whether to run a

>trap, well, that's life.

Jim, I think you lost the thread here. We were talking about unmanned radar units being put along highways for the sole purpose of tripping detectors. You're right in saying that a officer who is making a stop, or just driving around and ignoring the radar gun probably won't get cited for having an uncontrolled transmitter operating. I was talking about roadside radar guns that are left on continously for the sole purpose of tripping detectors.

--- Jeff

```
--
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
 Jeff DePolo  N3HBZ             Twisted Pair: (215) 386-7199
 depolo@eniac.seas.upenn.edu    RF: 146.685- 442.70+ 144.455s (Philadelphia)
 University of Pennsylvania     Carrier Pigeon: 420 S. 42nd St. Phila PA 19104
```

From 6949414660111635845
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96998357d70cb3a1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,96998357d70cb3a1,start
X-Google-Attributes: gidf9437,public
X-Google-Thread: 100be6,96998357d70cb3a1,start
X-Google-Attributes: gid100be6,public
X-Google-ArrivalTime: 1990-12-10 05:28:37 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!pacbell.com!ames!bionet!turbo.bio.net!lear
From: randall@Virginia.EDU (Ran Atkinson)
Newsgroups: news.groups,rec.ham-radio,news.announce.newgroups
Subject: Amateur Radio Reorganisation (Revised Proposal)
Message-ID: <Dec.9.22.58.58.1990.15980@turbo.bio.net>
Date: 10 Dec 90 06:58:24 GMT
Sender: lear@turbo.bio.net
Reply-To: Ran Atkinson <randall@Virginia.EDU>
Followup-To: news.groups
Organization: University of Virginia
Lines: 39
Approved: lear@turbo.bio.net
Xref: gmdzi news.groups:23438 rec.ham-radio:17649 news.announce.newgroups:737
Posted: Mon Dec 10 07:58:24 1990

I propose formally that Jay's proposal be expanded and revised as follows. Discussion should occur in news.groups per the USENET Guidelines.   If Jay is willing to collect votes on this sort of proposal, I'd suggest he be the one to make the formal CfV and such at the appropriate time.

PROPOSAL:

There should be three votes run in parallel (that is, use one ballot and CfV):

1) Move the existing Amateur Radio heirarchy (keeping all existing groups)
   FROM   rec.ham-radio.*   TO rec.radio.amateur.*

2) Make the existing parent group (rec.ham-radio/rec.radio.amateur) into
   an equal level group with the rest (rec.ham-radio.misc/
   rec.radio.amateur.misc)

3) Create a new group for legal/rules discussions (rec.ham-radio.legal/
   rec.radio.amateur.legal)

RATIONALE:

The heirarchy shift would make the whole USENET namespace more consistent (see rec.radio.shortwave and rec.radio.noncomm) and makes the Amateur Radio groups easier to find for those non-Americans who aren't up on US-specific radio jargon and would find the Amateur Radio groups more easily.

The moving of the "parent" group should help reduce cross-posting (this has been seen widely across the net) and also makes the namespace more consistent.

The creation of a legal group would split existing traffic in a clear manner and make it easier for all readers of the Amateur Radio groups.

Discussion should take place in news.groups per the USENET Guidelines.

From 2690043192389106488
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6d791d7917a1c31d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 05:35:03 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: The Hate Herbie Net
Summary: ham hell
Keywords: 20 meter mess
Message-ID: <636@ssc.UUCP>
Date: 9 Dec 90 19:02:11 GMT
References: <1990Dec1.064203.3875@lopez.UUCP> <1990Dec3.174656.27983@dcdwest.uucp> <1990Dec5.055022.20295@informix.com>
Organization: very little
Lines: 36
Posted: Sun Dec 9 20:02:11 1990

In article <1990Dec5.055022.20295@informix.com>, randall@informix.com (Randall

Rhea) writes:
> In article <1990Dec3.174656.27983@dcdwest.uucp> plb@dcdwest.uucp (Phil Blais)
writes:
> >In article <1990Dec1.064203.3875@lopez.UUCP> flash@lopez.UUCP (Gary Bourgois)
writes:
> >>
> >>The 20 meter mess has taken a new turn. Herb KV4FZ and his BARF group ...
> >
> >I envision an isolated island somewhere with only 2 mtr lo power single
> >channel HT's (no repeaters or beams allowed), throw in K1MAN and his
> >constant dribble and let them have at it. Forever is a long time :-)
>
> How about this for a "ham hell": put Herbie and Co. in large, steel-frame
> apartment building, where every other resident has TV sets with indoor

(Various descriptions of ham purgatory were deleted)

There was a fiction article in one of the ham magazines in the 1960s
where the deceased ham finds himself in what must be a ham paradise
in the hereafter. He is shown a HUGE station, with every kind of exotic
antenna available...all the latest gear, big amplifiers, etc.

But when he gets on the air and calls CQ, no one comes back...and he
can't hear anyone either.

When he complains to his hosts, they say: "Just where did you think you
were? This is hell."

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -5296181310116633321
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5c7f70ec12eeea7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 05:54:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!swrinde!
zaphod.mps.ohio-state.edu!ub!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: UK-->US ham license
Summary: Just show up at any VE session and take the test. If you're not an agent
      of a foreign government you qualify.
Message-ID: <667@wells.UUCP>

Date: 10 Dec 90 03:49:37 GMT
References: <34435@netnews.upenn.edu>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 2
Posted: Mon Dec 10 04:49:37 1990

> I was wondering what procedures one has to go through to obtain a
> US amateur radio license. I currently have a class A license (GW4WFX) in

---

From 5004989109855995481
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8b7a6d147188241d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 06:38:07 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!apple!agate!ucbvax!
HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: SOLAR TERRESTRIAL FORECAST AND REVIEW
Message-ID: <901210005940.23800372@HG.ULeth.CA>
Date: 10 Dec 90 07:59:40 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 472
Posted: Mon Dec 10 08:59:40 1990

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Please Note:

The document "Understanding Solar Terrestrial Reports" will be ready for distribution this week. The document will be posted over the various nets in several parts. Hopefully, those of you who requested the report will receive the full document over the nets. This route has been chosen because of the overwhelming number of requests which have been received for this document. If any of you fail to receive the document within the next two weeks, feel free to request it directly from std_oler@hg.uleth.ca.

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--- SOLAR TERRESTRIAL FORECAST AND REVIEW ---
December 09 to December 18, 1990

Report Based In-Part from Data Obtained from the
Space Environment Services Center
Boulder Colorado

SOLAR TERRESTRIAL REVIEW FOR 02 DECEMBER TO 08 DECEMBER.

Solar activity this week again ranged from low to high. The most significant event was the major class M6.6/1F flare of 04 December which originated from Region 6397. This region was unusually active early in the week. It unexpectedly produced this major flare when magnetic gradients within the region were observed as being relatively weak. It was also responsible for several M-class events and numerous C-class flares. The major flare of 04 December occurred at 02:03 UT and lasted a respectable 39 minutes. It had no terrestrial impacts, due to its distant location (N08E56), lack of emissions and absence of sweep frequency events.

The solar flux continued a steady climb this week with the return of numerous regions. At the present time (09 December), there are 15 active regions on the sun, four of which are showing signs of increased spot growth and flaring.

Region 6397, which produced the major flare earlier in the week, stabilized during the week and is now beginning to show increased signs of instability. At 09:28 UT on 09 December, this region produced a class M1.0/1F impulsive flare at a location of N09W11. This region is also exhibiting signs of increased magnetic complexity, although it is still rated as a bipolar beta-type spot group.

Aside from Region 6397, the only other region to produce any significant minor flaring was Region 6410, which spawned a class M2.8/1N flare at 08:21 UT. This flare borders as a long-duration event, maintaining energy output for 65 minutes. However, it's location (N02E79) will prevent it from having any geophysical impacts on the earth. This flare is suspected of producing a moderate-duration, moderate-intensity SID/SWF. However, this has not yet been confirmed.

The background X-ray flux, which is (among other things) an indicator of the intensity of solar activity, has increased over the week with the appearance of the numerous new solar regions. It is currently holding at an X-ray level of C1.5.

Geomagnetic and auroral activity this week was notably low. The only exception to this was on 04 December when geomagnetic activity increased to unsettled levels over most latitudes. High latitudes experienced a few brief periods of minor storming. But other than that, activity remained relatively low. Auroral activity was visible over high latitudes and northerly middle latitudes on the evening of 04 December, but returned to generally non-visible levels for the remainder of the week.

HF radio propagation conditions were normal to above normal this week, due in part to increased ionospheric ionization and low geomagnetic activity. MUF's experienced a respectable increase over the last week and are now approaching (and exceeding over some paths) 50 MHz.

VHF propagation has been good this week, with increased prospects for DX on the lower-frequency VHF bands (ie. near 50 MHz). There have been no significant opportunities for auroral communications this week, however several SID's (particularly the one accompanying the major flare of 04 December) were capable of enhancing VHF propagation over the sunlit portions of the earth.

SHORT TERM SOLAR TERRESTRIAL FORECAST

Solar activity is expected to reach its peak during this week. The solar flux is expected to peak somewhere near 245-250. The sunspot number (currently 288) could break 300 before the week ends. Old Region 6368, which contained a complex beta-gamma-delta magnetic configuration, is due to return between 11 December and 12 December. This region was extensive in area, but exhibited signs of decay and stabilization before it passed out of view several weeks ago. Models currently suggest that this region has probably detensified and returned to a relatively stable, less extensive and less threatening configuration. Remnants of this region should rotate back into view between 11 and 12 December, which should produce a notable increase in the solar flux.

There is a slight possibility that old Region 6368 has maintained its extensive size and magnetic complexity. Should this be true, flare activity could increase further over the coming week. This is, however, going against what most of the models suggest.

Geomagnetic activity is expected to remain mostly quiet until later in the week, near 15 or 16 December, when activity is expected to increase to mostly unsettled levels. By near 19 December, activity should again return to quiet levels. Auroral activity should likewise increase near 16 December, peaking near 17 December. Periods of moderate activity are likely over high latitudes during this time. Middle latitudes will likely only witness periods of low activity on these dates, with a risk of sporadic moderate activity.

HF radio propagation conditions should be above normal this week, with significant possibilities for DX existing until near 15 December when decreased ionization and increased geomagnetic activity will hamper attempts at DX over many latitudes. There is a risk for brief flare-related short-wave-fades (SWF's) this week, due to the number of M-class flare-capable regions existing on the solar disk. The frequency of SWF's may increase if old Region 6368 returns with a complex configuration. Overall, this week looks like one of the better opportunities for HF DX.

VHF propagation conditions should be normal to above normal this week. The prospects for VHF DX are increased, particularly for those who work the lower VHF bands near 50 MHz. Daily MUF's are approaching 50 MHz at the present time and may be exceeding 50 MHz over some paths, providing potential openings on frequencies at and above 50 MHz. There is also a moderate possibility for flare-related VHF enhancements which might permit isolated periods of VHF DX.

SUMMARY OF ALL ACTIVE REGIONS VISIBLE ON THE SOLAR DISK AS OF 10 DECEMBER

Region #	Location	LO	Area	Class	LL	Spots	Magnetic Type

6385	S15W86	208	0090	HSX	01	001	ALPHA
6387	S25W67	189	0720	DAI	10	017	BETA
6390	N35W54	176	0030	BXO	03	002	BETA
6395	N18W26	148	0660	DAI	10	031	BETA
6397	N10W21	143	1020	DKO	10	023	BETA
6398	N14W43	165	0570	DAO	10	018	BETA
6399	N22W40	162	0000	AXX	00	001	ALPHA
6402	S11W53	175	0240	DAO	10	015	BETA
6404	S18W14	136	0450	DAO	09	011	BETA
6406	S27E18	104	0030	BXO	05	004	BETA
6407	S15W74	196	0240	CSO	09	005	BETA
6408	N25E45	077	0030	BXO	04	002	BETA
6409	N28E65	057	0210	HAX	01	001	ALPHA
6410	N05E71	051	0720	DAO	07	006	BETA
6411	S24E61	061	0000	AXX	00	001	ALPHA

NOTES: Area is in million square kilometers. Angular extent (LL) and solar longitude (LO) are in degree's. For more information regarding the terminology used above, request the Glossary of Solar Terrestrial Terms from: "std_oler@hg.uleth.ca".

H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AS OF 24:00 UT ON 09 DECEMBER.

REGION	LOCATION	LO	COMMENTS (IF ANY)
6401	S33W76	198	
6403	S23W47	169	NONE
6405	S11E17	105	

ACTIVE REGIONS DUE TO RETURN BETWEEN 10 AND 12 DECEMBER

Region	Latitude	Longitude (Helio.)
6368	N18	025

NOTES:
For definitions regarding the above, request the "Glossary of Solar Terrestrial Terms" from "std_oler@hg.uleth.ca".

GRAPHICAL ANALYSIS OF RECENT GEOMAGNETIC ACTIVITY - BOULDER COLORADO

Cumulative Geomagnetic Activity History

Peak Geomagnetic Activity during the past 87 hours

```
 _________________________________________________________________
|  EXTREMELY SEVERE |        |        |        |     | VERY HIGH! |
| VERY SEVERE STORM |        |        |        |     | HIGH       |
|      SEVERE STORM |        |        |        |     | MODERATE   |
|       MAJOR STORM |        |        |        |     | MODERATE   |
    |       MINOR STORM |        |        |        |     | LOW        |
    |       VERY ACTIVE |        |        |   *    |     | NONE - LOW |
    |            ACTIVE |  *     |        | * ***  |     | NONE       |
    |         UNSETTLED | *****  | *  **  | ***** *|*  **| NONE       |
    |             QUIET |********|******  |********|*****| NONE       |
    |        VERY QUIET |********|********|********|*****| NONE       |
    |-------------------|--------|--------|--------|-----|------------|
    | Geomagnetic Field |  Thu.  |  Fri.  |  Sat.  | Sun.|  Anomaly   |
    |    Conditions     |    Given in 3-hour intervals   | Intensity  |
    |_________________________________________________________________|
```

NOTES:

This graph ONLY depicts geomagnetic conditions observed at Boulder, Colorado for the past 87 hours. Conditions to the north of Boulder will generally have slightly higher activity than Boulder, while conditions to the south of Boulder will likely have lower activity than those depicted here. However, the plots should present a good approximate average of planetary geomagnetic conditions.

For information regarding the interpretation and/or use of these charts, send a request for the document "Understanding Solar Terrestrial Reports" to: std_oler@hg.uleth.ca.

PLANETARY 10-DAY GEOMAGNETIC ACTIVITY OUTLOOK (09 DECEMBER - 18 DECEMBER)

```
    ________________________________________________________________________
   |  EXTREMELY SEVERE |   |   |   |   |   |   |   |   |   |   | VERY HIGH! |
   | VERY SEVERE STORM |   |   |   |   |   |   |   |   |   |   | HIGH       |
   |      SEVERE STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MAJOR STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MINOR STORM |   |   |   |   |   |   |   |   |   |   | LOW        |
   |       VERY ACTIVE |   |   |   |   |   |   |   |   |   |   | NONE - LOW |
   |            ACTIVE |   |   |   |   |   |   |   |   |   | * | NONE       |
   |         UNSETTLED |   |   |   |   |   | * | **|***|***|***| NONE       |
   |             QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |        VERY QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |-------------------|---|---|---|---|---|---|---|---|---|---|------------|
   | Geomagnetic Field |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|  Anomaly   |
   |    Conditions     |       Given in 8-hour intervals       | Intensity  |
   |________________________________________________________________________|
```

NOTES:

Predicted geomagnetic activity is based heavily on recurrent phenomena. Transient energetic solar events cannot be predicted reliably over periods in excess of several days. Hence, there may be some deviations from the predictions due to the unpredictable transient solar component.

GRAPHICAL ANALYSIS OF SOLAR ACTIVITY OVER THE PAST 60 DAYS

```
                   Cumulative Graphical Analysis of
                           Solar Activity
    ------------------------------------------------------------
```

```
245|                                                            | MOD.
237|            F = Major Flare(s)                              | MOD.
230|    *                                                     **| MOD.
222|    **                               *                  ****| MOD.
214|   ***  *                  *         *                 *****| MOD.
207|  ****  *                  **      ***                 *****| MOD.
199|******  *F                 ***    *****               F*****| MOD.
191|*********F                ******* ******             *F*****| MOD.
184|*********F*               ***************            *F*****| LOW
176|*********F*               ******************       ***F*****| LOW
168|*********F**             ********************   * ****F*****| LOW
161|*********F*** * *        *********************  ******F*****| LOW
153|*********F******* **    **********************F*******F*****| LOW
145|*********F********** * ***********************F*******F*****| LOW
138|*********F************************************F*******F*****| LOW
    ------------------------------------------------------------
               Cumulative 60 day Solar Activity Record
                   Start Date:  October 11, 1990
```

NOTES:

Left-hand column digits represent the 10.7 cm solar radio flux obtained from Ottawa. The right-hand column describes the relative solar activity for that period based on the average number of major and minor flares that can be expected for related solar flux values. Plot lines labeled with the letter "F" represent days where at least one major flare occurred (ie. class M5 or greater flare).

GRAPHICAL 20-DAY SOLAR ACTIVITY PREDICTION

```
                           Solar Activity
 _________________________________________________________________
| 250 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 243 |  |  |**|**|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 236 |**|**|  |  |**|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 229 |  |  |  |  |  |**|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 223 |  |  |  |  |  |  |**|**|  |  |  |  |  |  |  |  |  |  |  |  |
| 216 |  |  |  |  |  |  |  |  |**|**|  |  |  |  |  |  |  |  |  |  |
| 209 |  |  |  |  |  |  |  |  |  |  |**|  |  |  |  |  |  |  |  |  |
| 202 |  |  |  |  |  |  |  |  |  |  |  |**|  |  |  |  |  |  |  |  |
| 195 |  |  |  |  |  |  |  |  |  |  |  |  |**|  |  |  |  |  |  |  |
| 188 |  |  |  |  |  |  |  |  |  |  |  |  |  |**|  |  |  |  |  |  |
| 181 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |**|  |  |  |  |  |
| 174 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 168 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |**|  |  |  |  |
| 161 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |**|  |  |**|
| 154 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |**|**|  |
| 146 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|Solar|09|10|11|12|13|14|15|16|17|18|19|20|21|22|23|24|25|26|27|28|
|Flux |                        December                           |
 -----------------------------------------------------------------
```

```
HF RADIO SIGNAL PROPAGATION PREDICTIONS (09 DECEMBER - 18 DECEMBER)

                              High Latitude Paths

            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |   |   |   |   |   |   |   |   |   |   |
           |           GOOD |   |  *|* *|* *|  *|* *|***|   |   |   |
           |           FAIR |***|** | * | * |** | * |   |***|***|* *|
           |           POOR |   |   |   |   |   |   |   |   |   | * |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------

                             Middle Latitude Paths

            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |***|***|***|***|***|***|* *|  *|   |   |
           |           GOOD |   |   |   |   |   |   | * |** |***|* *|
           |           FAIR |   |   |   |   |   |   |   |   |   | * |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------

                                Low Latitude Paths

            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |***|***|***|***|***|***|***|* *|  *|   |
           |           GOOD |   |   |   |   |   |   |   | * |** |***|
           |           FAIR |   |   |   |   |   |   |   |   |   |   |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------

NOTES:
       High latitudes >= 55       degree's north latitude
     Middle latitudes >= 40 < 55  degree's north latitude
        Low latitudes  < 40       degree's north latitude


POTENTIAL VHF DX PROPAGATION PREDICTIONS (09 DECEMBER - 18 DECEMBER)
```

```
   INCLUDES SID AND AURORAL BACKSCATTER ENHANCEMENT PREDICTIONS

                   HIGH LATITUDES

 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   |   |   |   |   |   |   |   | 20%|*|*|*|*|*|*|*|*|*|*|
|    NORMAL|***|***|***|***|***|***|***|***|* *|* *| 40%| | | | | | | | | | |
|BELOW NORM|   |   |   |   |   |   |   |   | * | * | 60%| | | | | | | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% |   |   |   |   |   |   |   |   |* *|* *| 40%| | | | | | | | |*|*|
|      20% | **| **| **| **| **| **| **|***|***|***| 20%| | | | | | | |*|*|*|
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|


                  MIDDLE LATITUDES

 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM| * | * | * | * | * |   |   |   |   |   | 20%|*|*|*|*|*|*|*|*|*|*|
|    NORMAL|* *|* *|* *|* *|* *|***|***|***|* *|* *| 40%|*|*|*|*|*|*|*|*|*|*|
|BELOW NORM|   |   |   |   |   |   |   |   | * | * | 60%|*|*|*|*|*| | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% | * | * | * | * | * |   |   |   |   |   | 40%| | | | | | | | | | |
|      20% | **| **| **| **| **| **| **|***|***|***| 20%| | | | | | | |*|*|*|
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|

                    LOW LATITUDES

 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM| * | * | * | * | * | * |   |   |   |   | 20%|*|*|*|*|*|*|*|*|*|*|
|    NORMAL|* *|* *|* *|* *|* *|* *|***|***|***|***| 40%|*|*|*|*|*|*|*|*|*|*|
|BELOW NORM|   |   |   |   |   |   |   |   |   |   | 60%|*|*|*|*|*| | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% | * | * | * | * | * | * | * | * | * | * | 40%| | | | | | | | | | |
|      20% | **| **| **| **| **| **| **| **| **| **| 20%| | | | | | | | | | |
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|
```

NOTES:

These VHF DX prediction charts are defined for the 50 MHz to 220 MHz bands. They are based primarily on phenomena which can affect VHF DX propagation globally. They should be used only as a guide to potential DX conditions on VHF bands. Latitudinal boundaries are the same as those for the HF predictions charts. For more information, request the document "Understanding Solar Terrestrial Reports" from: "std_oler@hg.uleth.ca".

AURORAL ACTIVITY PREDICTIONS (09 DECEMBER - 18 DECEMBER)

```
                            High Latitude Locations
             _________________________________________________________
            | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
            |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
            |           HIGH |   |   |   |   |   |   |   |   |   |   |
            |       MODERATE |   |   |   |   |   |   |   |   |   | * |
            |            LOW |   |   |   |   | * |   |   | * |***|***|
            |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
            |----------------|---|---|---|---|---|---|---|---|---|---|
            |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
            |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
             ---------------------------------------------------------

                          Middle Latitude Locations
             _________________________________________________________
            | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
            |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
            |           HIGH |   |   |   |   |   |   |   |   |   |   |
            |       MODERATE |   |   |   |   |   |   |   |   |   | * |
            |            LOW |   |   |   |   |   |   |   | * |***|***|
            |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
            |----------------|---|---|---|---|---|---|---|---|---|---|
            |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
          |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
           -------------------------------------------------------

                             Low Latitude Locations
           _______________________________________________________
          | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
          |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
          |           HIGH |   |   |   |   |   |   |   |   |   |   |
          |       MODERATE |   |   |   |   |   |   |   |   |   |   |
          |            LOW |   |   |   |   |   |   |   |   |   |   |
          |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
          |----------------|---|---|---|---|---|---|---|---|---|---|
          |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
          |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
           -------------------------------------------------------
```

NOTE:
     For more information regarding these charts, send a request for the
document, "Understanding Solar Terrestrial Reports" to: std_oler@hg.uleth.ca.

** End of Report **

```
From -2533818096565616789
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31a8360191158b8e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 08:24:34 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Another Look at Radar Detector Legality for Hams
Message-ID: <714.2762B3D6@w8grt.fidonet.org>
Date: 10 Dec 90 00:02:10 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 35
Posted: Mon Dec 10 01:02:10 1990
```

```
 > From: ac873@cleveland.Freenet.Edu (Thomas Kimball)
 > Date: 9 Dec 90 13:48:19 GMT
 > Message-ID: <9012091348.AA17301@cwns1.INS.CWRU.Edu>
 > Newsgroups: rec.ham-radio
 >
 >
 >
 > In a previous article, jim.grubs@w8grt.fidonet.org (Jim Grubs) says:
 >
 > >> The FCC busted some police department back east for a similar violation.
 > >>
 > >>
 > >> Did they really?
```

> >
> >Doubtful. In the first place, how do you prove it? All the police chief has
> to
> >say is that he was gathering traffic flow statistics.
>
> I recollect that it started on I-75 in Kentucky. The local PD bragged
> about
> it to the media when confronted. Someone requested an opinion from the
> FCC
> which said that it was a No-No. The FCC did not cite them (as far as I
> know),
> but they desisted.

Or at least kept their traps shut.

[Sorry, campers, couldn't resist...]

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 8855808140294714334
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,826c89a0a9e155c4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 08:29:42 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hplvec!chris
From: chris@hplvec.LVLD.HP.COM (Chris Kelly)
Newsgroups: rec.ham-radio
Subject: Re: ? 2m/440 Duplexers
Message-ID: <2190003@hplvec.LVLD.HP.COM>
Date: 10 Dec 90 16:29:42 GMT
References: <1252@west.West.Sun.COM>
Organization: Hewlett-Packard Co., Loveland, CO
Lines: 11
Posted: Mon Dec 10 17:29:42 1990

The Larsen is a hipass/lopass design, with crossover near 300 MHz.
The implementation is very good, and would be hard to beat
without a lot of work. The reason I say this is that the loss
of the duplexer is so low that I could not reliably measure
it on the HP network analyzer I was using. I think that the
PL-259 connectors represent a larger loss than the duplexer
itself. You could home-brew an equivalent, or even improve
upon it (by using type N connectors), but for me, I have too
many other time demands and projects to try to beat Larsen
on this one.....de WD5IBS (Chris Kelly)

From -1368827674663649806
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 09:39:16 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rice!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <DuyyT4w163w@phoenix.com>
Date: 10 Dec 90 15:14:12 GMT
References: <4425@lib.tmc.edu>
Organization: One Man Brand
Lines: 15
Posted: Mon Dec 10 16:14:12 1990

jmaynard@thesis1.hsch.utexas.edu (Jay Maynard) writes:
>
> (Side note: Please make sure that discussion is posted to news.groups as well
> as rec.ham-radio. This is required by the Guidelines for Newsgroup Creation.)
>

Unfortunately, it is not possible to do that here. Guidelines is guidelines, not law. In this case, they can't be followed.

<> "If winning is not important, then why keep score?" -- Turtle Head
<> "Eaten any good books lately?" -- Q
<> "Sanity check!" "Sorry, we can't accept it, it's from out of state." - me

---

From -1533051645095879724
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-10 10:27:52 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio,news.groups
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <4445@lib.tmc.edu>
Date: 10 Dec 90 15:30:40 GMT
References: <1990Dec7.061211.27591@ux1.cso.uiuc.edu>
<1990Dec7.155358.9833@murdoch.acc.Virginia.EDU> <3559@jaytee.East.Sun.COM>
Sender: usenet@lib.tmc.edu
Followup-To: rec.ham-radio
Organization: University of Texas Medical School at Houston
Lines: 20
Xref: gmdzi rec.ham-radio:17660 news.groups:23446

```
Posted: Mon Dec 10 16:30:40 1990
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <3559@jaytee.East.Sun.COM> jimv@east.sun.com (Jim Vienneau  - Sun
Microsystems) writes:
>You've got to be kidding! Most of the postings technical? Only if you
>consider questions about nocode, callsign projects, clean fists, club
>stations, licensing procedures (aka Gorden West), Ham stacks, super
>repeaters, radar detectors, *Camcoders*???, CB, QSL card dimentions,
>reverse autopatches, flea markets, fees, numerous FCC comments, cyrillic?,
>Herbie net, antenna restrictions, etc, etc, etc, technical?!. Yes, *PLEASE*
>let's setup a .tech subgroup (works for rec.auto).

There's more to ham radio than just technical subjects. The object of adding
.legal and not .tech is to move the flames, not a subset of the non-flames. I
am strongly opposed to a .tech group, and don't see the overwhelming consensus
that one is needed that would change my mind.

Please continue this discussion in both news.groups and rec.ham-radio, as per
the guidelines...
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu  | adequately be explained by stupidity.
  "...flames are a specific art form of Usenet..." -- Gregory C. Woodbury


From 7251893148518397653
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a8a77c8f1e0f81a7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 11:10:32 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!Fred.Vobbe
From: Fred.Vobbe@w8grt.fidonet.org (Fred Vobbe)
Newsgroups: rec.ham-radio
Subject: Re: POWERLINE VOLTAGE TOO HIGH, POWER CO
Message-ID: <731.2764E635@w8grt.fidonet.org>
Date: 10 Dec 90 19:10:32 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 33
Posted: Mon Dec 10 20:10:32 1990

In response to an article by Robert Casey:

 -> have too low voltage.  We like to set the voltage at 120V at
 -> houses."  He puts
 -> a new seal on the meter in the basement.  My father said that he
 -> haden't seen
 -> the insides of the meter box since 40 years ago, when the house
 -> was built.
 ->

        I have a simular problem here in Lima.  AEP, our local electrical
company, has been very poor in my opinion.  Here at my home, the voltage
```

rides from 117 to 127, which they say is in spec. At the TV station where I work, the power is as high as 132 volts at times.

A while back, the third leg would drop off occationally, dropping the transmitter. When the service man showed up he said that they were not having any problems, and we must have a "short" in the building. I told him that if 480 at 2,000 amps shorts, there is a hell fireball. The problem kept happening, and finally to prove my point I baught a bunch of Heathkit Mower Line monitors and set them on the line before and after the service entry. When it happened again, I had the account rep out and showed him the problem. He still claims that they did not have any problems in the system, but since that day our power has been solid.

My nickname for these folks are the "Joe Isuzu's Of Power Companies", because they remind me a lot of the guy who did the commercials, and plays on "Empty Nest". Too bad they just can't admit they made a misteak.

--
Fred Vobbe - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!Fred.Vobbe
INTERNET: Fred.Vobbe@w8grt.fidonet.org

From -1087425554077477170
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,788a4499b8b59046,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 11:19:20 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!Fred.Vobbe
From: Fred.Vobbe@w8grt.fidonet.org (Fred Vobbe)
Newsgroups: rec.ham-radio
Subject: Re: LOADING UP A TOWER FOR 40/80/160M
Message-ID: <732.2764E63A@w8grt.fidonet.org>
Date: 10 Dec 90 19:19:20 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 13
Posted: Mon Dec 10 20:19:20 1990

In response to an article by Ed Gilbert:

-> I've had some experience shunt feeding towers on 160m. Crank up
-> towers are particulary difficult to shunt feed. Unless you are
->

Have you ever tried a top-loaded skirt on a standard TV tower like the 3-leg 40 ft. variety? I was thinking of trying it on my tower just to see if it works.

--
Fred Vobbe - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!Fred.Vobbe
INTERNET: Fred.Vobbe@w8grt.fidonet.org

From 3186165292008888181
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d5ce4b29af6a06a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 11:47:32 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpda!hpwala!hpnjld!eyg
From: eyg@hpnjld.HP.COM (Ed Gilbert)
Newsgroups: rec.ham-radio
Subject: Re: need antenna information
Message-ID: <4140029@hpnjld.HP.COM>
Date: 10 Dec 90 19:47:32 GMT
References: <48002@sequent.UUCP>
Organization: Hewlett Packard NJD, Rockaway NJ
Lines: 23
Posted: Mon Dec 10 20:47:32 1990

> I'd like access to 80, 40, 15 and 10
> meters at this time having a technician class license.
>
> I'd like to solicit net opinion on the "ideal" antenna for my
> situation

My advice to anyone looking for a simple, efficient, cheap, and almost foolproof allband antenna is the center-fed zepp, which has already been discussed recently in this notes group. Make it any convenient length (preferably at least 1/2 wave on the lowest frequency of interest) and feed it in the center with open wire. Use an L or T network with a balun to match it to 50 ohms. You can build this yourself using a roller inductor and one or two variable capacitors, or spend money on a commercially built tuner.

The commercial 450 ohm ladder line that is available for about $11 per 100' is adequate for just about all applications. It's also easy to make really superior open wire line using #12 wire and lexan or acrylic rod material for spacers.

Ed Gilbert, WA2SRQ

From 6657172319564212532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,57ab392a8fe5cb56
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 13:56:07 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!sdd.hp.com!hplabs!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (=Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: HC901204.ZIP - HamComm: Transmit/receive RTTY with PC/XT/AT
Summary: The way it should be!

Message-ID: <117@thoreau.nsc.com>
Date: 10 Dec 90 21:56:07 GMT
References: <1563.w8sdz@wsmr-simtel20.army.mil>
Organization: National Semiconductor, S. Portland, Maine
Lines: 14
Posted: Mon Dec 10 22:56:07 1990

In article <1563.w8sdz@wsmr-simtel20.army.mil>, schroeder.pad@nixbur.UUCP writes:
> I have uploaded to SIMTEL20:
>

(stuff deleted)

THIS is the way to do it! Upload the program to one of the FTP or
E-MAIL reachable sites and then come on here and let the world know
about it. Try to pick a site that has real anonymus ftp or a site
reachable through a listserver, some of us donot have ftp.

Thanks,

Ron Todd, K3FR

From 4767302280626860310
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 14:19:53 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!att!cbnewsj!k2ph
From: k2ph@cbnewsj.att.com (The QRPer)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Summary: What about the NPRM?
Message-ID: <1990Dec10.194639.15120@cbnewsj.att.com>
Date: 10 Dec 90 19:46:39 GMT
References: <1990Dec9.231912.8685@midway.uchicago.edu>
Organization: QRM Central
Lines: 32
Posted: Mon Dec 10 20:46:39 1990

In article <1990Dec9.231912.8685@midway.uchicago.edu>, pbhx@ellis.uchicago.edu
(Peter B. Hayward) writes:
>
> Gawd -- don't you hate rumors! How about this one we picked
> up overnight in Chicago.
>
> On December 13, the FCC will make its long awaited Communicator Class
> announcement. But the shocker will what else they announce on that
> date: that element 1B will no longer be required for General and
> Advanced and that element 1C will no longer be required for Extra.
> Yes, the hot rumor is that the 13 wpm and 20 wpm requirements are dead
> and that one will only need to demonstrate code proficiency at 5 wpm
> for *ANY* amateur license (excluding, of course,the Communicator

```
> License which will be code free.)
>
> Whole bunch of stuff deleted...

Looks like somebody's wishful thinking again.  :-)  I'd be curious
to hear who started this rumor!

If I'm not mistaken, the FCC is required to publish a Notice of
Proposed Rulemaking, provide a comment period, a reply to comment
period, etc. before such an action can be taken.  The whole idea
of this procedure is so that they can't "pull a fast one"--just
like this one!

Lessee now... what other interesting rumors can we start...

--
=========================================================================
Bob Schreibmaier K2PH  | UUCP: att!oblivion!k2ph or k2ph@oblivion.att.com
AT&T Bell Laboratories | ARPA: k2ph%oblivion@att.arpa
Lincroft, N.J. 07738   | ICBM: 40o21'N, 74o8'W


From -6873890276492983121
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 14:20:04 PST
Path: gmdzi!unido!mcsun!uunet!samsung!interlan.InterLan.COM!interlan.interlan.com!
yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <YETSKO.90Dec10123418@interlan.interlan.com>
Date: 10 Dec 90 17:34:18 GMT
References: <1990Dec9.231912.8685@midway.uchicago.edu>
     <1990Dec10.120317.25970@swlabs.uucp>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 8
Posted: Mon Dec 10 18:34:18 1990
In-reply-to: jack@swlabs.uucp's message of 10 Dec 90 12:03:17 GMT

Why are you worried about 20m anyway?  From what I've heard there, it's a
bunch of spoiled children.  The best behaved band right now is the 10M novice
section!

But there will be a bunch of bellyaching on 20m, you can bet!

Mike Yetsko
N1DVJ


From -7017952927179789436
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,83ec141b3d1d3586
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,83ec141b3d1d3586
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-10 14:26:02 PST
Path: gmdzi!unido!mcsun!uunet!olivea!sun-barr!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!utzoo!attcan!telly!eci386!woods
From: woods@eci386.uucp (Greg A. Woods)
Newsgroups: rec.radio.shortwave,rec.ham-radio,rec.ham-radio.packet,news.groups
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Summary: make that rec.radio.AMATEUR.... *PLEASE*
Keywords: amateur radio
Message-ID: <1990Dec10.222602.14152@eci386.uucp>
Date: 10 Dec 90 22:26:02 GMT
References: <1403@necis.UUCP> <689.27612B4F@w8grt.fidonet.org>
Reply-To: woods@eci386.UUCP (Greg A. Woods VE3TCP)
Organization: Elegant Communications Inc.
Lines: 36
Xref: gmdzi rec.radio.shortwave:3112 rec.ham-radio:17775 rec.ham-radio.packet:3206 news.groups:23532
Posted: Mon Dec 10 23:26:02 1990

In article <689.27612B4F@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

> In article <1403@necis.UUCP> rbono@necis.UUCP (NM1D) writes:
> > I think that only 'hams' know what the term 'ham' radio really means.
>
> I'm not arguing against changing the name, but at the same time I think you
> underestimate the degree to which 'radio ham' has over the decades become a
> widely understood term among non-hams.

You point out that the term "radio ham" is understood by a growing majority of non-amateur's. However this doesn't indicate the connotations many non-operators associate with the term "radio ham".

In my experience, this term has no redeemable value with most "non-hams". In fact I would argue the connotations are so negative that we should do anything and everything we can to move to a more neutral term, and to dispell the negative connotations associated with Amateur Radio.

I think that the degree of "understanding" the average layman has of the term "radio ham" is the precise reason why we should adopt the term "amateur".

I suspect that at one time people would have argued the term "amateur" had negative connotations. I doubt many sane people would do so now.

=-=

While I'm here, I'd like to also state that I favor the following two names:

```
     rec.radio.amateur.digital   (to replace rec.ham-radio.packet)
     rec.radio.amateur.regs      (instead of r.r.a.legal)
```

--
Greg A. Woods
woods@{eci386,gate,robohack,ontmoh,tmsoft}.UUCP   ECI and UniForum Canada
+1-416-443-1734 [h] +1-416-595-5425 [w]   VE3TCP Toronto, Ontario CANADA
Political speech and writing are largely the defense of the indefensible-ORWELL

From 4012997958779705860
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-10 14:32:41 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!crdgw1!crdos1!davidsen
From: davidsen@crdos1.crd.ge.COM (Wm E Davidsen Jr)
Newsgroups: rec.ham-radio,news.groups
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <3029@crdos1.crd.ge.COM>
Date: 10 Dec 90 22:32:41 GMT
References: <19@shasta.Stanford.EDU> <27080036@col.hp.com> <24391@ucsd.Edu> <721@philica.ica.philips.nl>
Reply-To: davidsen@crdos1.crd.ge.com (bill davidsen)
Followup-To: rec.ham-radio
Organization: GE Corp R&D Center, Schenectady NY
Lines: 13
Xref: gmdzi rec.ham-radio:17853 news.groups:23582
Posted: Mon Dec 10 23:32:41 1990

In article <721@philica.ica.philips.nl> geertj@ica00.ica.philips.nl (Geert Jan de Groot) writes:

| Finally, I'd like to propose 'rules' instead of 'legal'. Bandplans,
| for instance, have no legal meaning here, just 'gentlemen's agreement'.
| If discussed, I'd like to see that in the rules group, because
| of the traffic involved. The way I see it, 'rules' is for all rules,
| not just the ones issued by the government.

Another one. I see most of the posting support a name indicating that legal is not the best name for this group. Is the proposer listening?
--
bill davidsen (davidsen@crdos1.crd.GE.COM -or- uunet!crdgw1!crdos1!davidsen)
    VMS is a text-only adventure game. If you win you can use unix.

From 1741660191386202869

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eadbeeeb755a6eae,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,eadbeeeb755a6eae,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,eadbeeeb755a6eae,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-10 14:33:06 PST
Path: gmdzi!unido!mcsun!sunic!dkuug!iesd!sunesen
From: sunesen@iesd.auc.dk (Peter Sunesen)
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.ham-radio.packet
Subject: Remote control program to Kenwood TS440, free from iesd.auc.dk
Message-ID: <1990Dec10.200212.12219@iesd.auc.dk>
Date: 10 Dec 90 20:02:12 GMT
Sender: news@iesd.auc.dk (UseNet News)
Organization: CS and Math, University of Aalborg, Denmark
Lines: 95
Xref: gmdzi rec.ham-radio:17663 rec.ham-radio.swap:858 rec.ham-radio.packet:3190
Posted: Mon Dec 10 21:02:12 1990

Hello World

Here is again a great program, witch my friend Lars have made. You can get it by anonymous ftp from:

iesd.auc.dk (130.225.38.4)
username: ftp or anonymous
password: our username..

Filename: tsrem.exe and this text tsrem.txt
path   : /pub/ham-radio

Lars is soon going to make a new version of this program, so if you out there E-mail me inprovement I'am soure Lars will be happy.

God lock and a happy chrismas

Peter Sunesen

GREAT - LOOK HERE - Some news for TS440 owners.

>>> TSRem Copyright (c) 1990 by ARCOSOFT - Lars Rasmussen <<<

TSRem is shareware an may not be used to any commercial purposes.

TSRem is capable of remote controle your TS440 from the PC via one seriel port (COM1-4). Working all in text mode. No graphics.

On the normal program screen you have the following informations:

Contents of VFO A.
Contents of VFO B.
Contents of a group of 10 M. CH. with a comment to every M.CH.
All the informations in the TS440 display including RX and
TX frequency at the same time.
Mode of modulation.
Steprate 10 Hz - 1 MHz.

TSRem has 2 ways of operation:

1) Status display for TS440 settings. While you control TS440 in the normal way, by twisting knobs and so on, the PC displays updated info 1 sec. after you have pushed a button.

2) Remote control of TS440. Control the TS440 from the PC's keyboard. The force of the program.

Memory channels.

You can write a comment of 28 chr. to every memory channel.
Save memory contents to a disk file.
Load disk file into memory.
Print the memory file to the printer on LPT1.

It takes no more than 10 sec. to load or save a file, including reading or programming the memory in TS440. You can then have eg. a memory file for every operating mode, 100 memories for FAX or CW, or 100 memories for every band you will work on.

Furthermore:

Built in scanner. Scans the programmed M.CH. in 3 speeds.
Built in HELP menu.
It's possible to switch between COM1 to COM4 in TSRem.
Selectable IRQ for COM3 and COM4.

At the moment there is no English manual, but thats one of the first improvements to come.

If yoy find this program of any interrest, please send a donnation to:

OZ1HMN
Lars Rasmussen

```
                        Oesterbro 96  3. tv.
                        9000 Aalborg
                        Denmark

                        Telephone: (+45) 98121379
--
Home adr:               | Peter V.H.Sunesen | Department of Computer Science
  Heimdalsgade 42,7     |                   |  University of Aalborg (AUC)
  9000 Aalborg, Denmark |sunesen@iesd.auc.dk|           Denmark
```

From 7662939491496712175
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 14:38:22 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cunixf.cc.columbia.edu!cunixd.cc.columbia.edu!mig
From: mig@cunixd.cc.columbia.edu (Meir)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <1990Dec10.184453.11217@cunixf.cc.columbia.edu>
Date: 10 Dec 90 18:44:53 GMT
References: <1990Dec9.231912.8685@midway.uchicago.edu> <m0VyT2w163w@phoenix.com>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Organization: Columbia University
Lines: 24
Posted: Mon Dec 10 19:44:53 1990

In article <m0VyT2w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
>
>pbhx@ellis.uchicago.edu (Peter B. Hayward) writes:
>
>>
>> Gawd -- don't you hate rumors! How about this one we picked
>> up overnight in Chicago.
>>
>> On December 13, the FCC will make its long awaited Communicator Class
>> announcement. But the shocker will what else they announce on that
>> date: that element 1B will no longer be required for General and
>> Advanced and that element 1C will no longer be required for Extra.
>
>   And this will, of course, upgrade all Technician licenses to General,
>as the only difference is the code test. 80m phone, here I come!

No; it would not!
The rules changed a few years ago.
The current theory test for Technician is different from the test for General.
Upgrading to General would *still* require passing the *General* theory test!

```
 * * * * * * *  ======================= Meir Green
* * * * * * * * ======================= mig@cunixd.cc.columbia.edu
 * * * * * * *  ======================= N2JPG
```

From -8541626696665427811
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 14:56:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <J9JZT1w163w@phoenix.com>
Date: 10 Dec 90 22:56:18 GMT
References: <1990Dec10.184453.11217@cunixf.cc.columbia.edu>
Organization: One Man Brand
Lines: 21
Posted: Mon Dec 10 23:56:18 1990

mig@cunixd.cc.columbia.edu (Meir) writes:

> In article <m0VyT2w163w@phoenix.com> stanley@phoenix.com (John Stanley) write
> >   And this will, of course, upgrade all Technician licenses to General,
> >as the only difference is the code test. 80m phone, here I come!
>
> No; it would not!
> The rules changed a few years ago.

Thank you, I know. Not all Technician's. Just a whole bunch. Like me.
Never say never. Always say always.

<> "If winning is not important, then why keep score?" -- Turtle Head
<> "Eaten any good books lately?" -- Q
<> "Sanity check!" "Sorry, we can't accept it, it's from out of state." - me

---

From -4474869606044499857
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-10 16:50:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!batcomputer!munnari.oz.au!samsung!
think.com!sdd.hp.com!wuarchive!cs.utexas.edu!halley!watson
From: watson@halley.UUCP
Newsgroups: rec.ham-radio,news.groups
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization

Message-ID: <1218@halley.UUCP>
Date: 11 Dec 90 00:50:57 GMT
References: <1990Dec7.061211.27591@ux1.cso.uiuc.edu>
Sender: news@halley.UUCP
Lines: 36
Xref: gmdzi rec.ham-radio:17748 news.groups:23510
Posted: Tue Dec 11 01:50:57 1990
In-reply-to: phil@ux1.cso.uiuc.edu's message of 7 Dec 90 06:12:11 GMT

Sorry about the tardiness of my two cents. I don't normally read news.groups, and just saw the post in n.n.ng.

> From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
> Date: 6 Dec 90 18:42:14 GMT

> r.r.a.swap might be better as just rec.radio.swap, since this may encourage
> others with non-amateur-specific yet amateur-related equipment to post
> here as well.

I'm not as sure that much traffic of interest to amateurs would be generated. There's been about zero traffic in rec.radio.noncomm about equipment to sell/buy/trade. Of course, with a specific group for such... I don't think that this will bother any other rec.radio folks.   It won't bother me, at least.

(Declaration of ulterior motive: Many campus radio broadcast stations are hurting for lack of people with engineering skills. If the rec.ham-radio groups move into the rec.radio.* heirarchy, possibly more folks might cross over. Unlikely, at best, but it can't hurt to try...)

A similar argument could be made for rec.radio.rules as for rec.radio.swap, but I suspect that the regulations are sufficiently different that sharing the same newsgroup would only annoy everyone involved. Rec.radio.noncomm and the BITNET mailing list have had quite a lot of traffic on indecency/obscenity/safe-harbor, which I don't think would interest the hams.

William
ktru Chief Engineer, 1980-83
--
William J. Watson (Keep trying if halley bounces mail. It's flakey)
(cs.utexas.edu!halley!watson, watson@halley.uucp, watson_william@tandem.com)
Preferred^   ^Most reliable (?)

From -7139322237314498157
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe6d43c56d5c8c10,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 17:57:28 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!uoft02.utoledo.edu!grx0644

```
From: grx0644@uoft02.utoledo.edu
Newsgroups: rec.ham-radio
Subject: Question about 28.650MHz - Continued
Message-ID: <1990Dec10.174108.2432@uoft02.utoledo.edu>
Date: 10 Dec 90 22:41:07 GMT
Lines: 9
Posted: Mon Dec 10 23:41:07 1990

This is a continuation of the previous message about 28.650mhz.

I forgot to mention that I only can receive 25 to 1300 MHz.....

I am in the Toledo Area and wish to listen to shuttle mission....

Sorry about any confusion I created,

Tony


From -5182110406314498436
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c81b36788097919,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 17:59:23 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!tut.cis.ohio-state.edu!
uoft02.utoledo.edu!grx0644
From: grx0644@uoft02.utoledo.edu
Newsgroups: rec.ham-radio
Subject: Question about 28.650MHz
Message-ID: <1990Dec10.172418.2431@uoft02.utoledo.edu>
Date: 10 Dec 90 22:24:18 GMT
Lines: 7
Posted: Mon Dec 10 23:24:18 1990

I saw a post on another system in Cleveland that said that all Shuttle Missions
are broadcast on 28.650MHz and can be heard world wide?? is that true? Can
anyone confirm this?

Thanks,

Tony


From -4788417957621011045
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b9f459f59bc234c7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 18:19:58 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!uwm.edu!bionet!agate!ucbvax!
cmr.ncsl.nist.gov!rc
From: rc@cmr.ncsl.nist.gov (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: DX[edition Summary
```

Message-ID: <9012101201.AA13786@cmr.ncsl.nist.gov>
Date: 10 Dec 90 12:01:20 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
     formerly National Bureau of Standards
Lines: 29
Posted: Mon Dec 10 13:01:20 1990

After many months of effort to get the reciprocal ticket, I spent 2 weeks in FG at the end of November - a 50 MHz DXpedition. As far as I can tell, there had been no 50 MHz activity from Guadeloupe since I last operated in 1983.

When I arrived, I dicsovered that F6EPY had arrived a week before; now TWO 50 MHz stations in FG! The F2 conditions were not kind to either of us. We had no contacts into continental Europe, and very few into the US. Dominique (F6EPY) worked a handful of Ws the first time I went to the bank. He is a very avid operator (and works for a Motorola sub), and brought his laptop computer with the CT program, etc. He stayed with friends about 25 miles from me.

After F6EPY left, I worked three F2 stations, and MISSED the only good opening into the US. Gotta forget the beach and sightseeing!

```
Summary:  Continents: North and South America, Africa, Europe(CU)
          Countries:  FG, V2, J6, W, PY0, PY, CX, LU, CE, OA, ZP, CN,
                   CU, TR8, possibly 6W1
          By F2:   CN, CU, W
```

There was TE to South America nearly every evening for a number of hours. A new experience for me.

All-in-all, an unproductive DXpedition, but a good vacation.

73, Bob W3OTC   (ex- FG/W3OTC   very ex- FG0HZW)

Just try to explain the new portable PREFIX scheme to someone who is poor in your language , and you don't know his.   (No YLs heard, so no pronoun complaint.

From -1421422915649767208
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dff9d610d4396b43,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 18:50:42 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!bionet!agate!ucbvax!
LONEX.RADC.AF.MIL!frankjo
From: frankjo@LONEX.RADC.AF.MIL (Joseph W. Frank)
Newsgroups: rec.ham-radio
Subject: TS430 Help needed
Message-ID: <9012101511.AA09520@lonex.radc.af.mil>
Date: 10 Dec 90 15:11:31 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet

Lines: 6
Posted: Mon Dec 10 16:11:31 1990

I recently installed an AM filter (YK-88A) in my Kenwood TS-430S. After doing so, I find that the narrow position no loger works. It is my understanding that wide should be 6 kHz and narrow should be 2.4 kHz. I have heard that Kenwood has issued a service bulletin to correct this problem but I have not seen it. Can anyone provide the information necessary to fix this problem? Thanks.

From -8720857155215266618
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e5f47581d5f63505,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaab,e49947c8a847cc31
X-Google-Attributes: gid10aaab,public
X-Google-Thread: 105d97,e5f47581d5f63505,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-10 18:53:38 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!bellcore!messy!mo
From: mo@messy.bellcore.com (Michael O'Dell)
Newsgroups: alt.books.technical,sci.electronics,rec.ham-radio
Subject: A Wonderous Electronics beference book
Message-ID: <1990Dec10.152326.18542@bellcore.bellcore.com>
Date: 10 Dec 90 15:23:26 GMT
References: <2128@ccadfa.adfa.oz.au> <TOM.90Dec10073436@hcx2.ssd.csd.harris.com> <808@vtserf.cc.vt.edu>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: mo@messy.UUCP (Michael O'Dell)
Organization: Center for Chaotic Repeatabilty
Lines: 76
Xref: gmdzi alt.books.technical:89 sci.electronics:10114 rec.ham-radio:17669
Posted: Mon Dec 10 16:23:26 1990

The Art of Electronics (Second Edition),
Paul Horowitz and Winfield Hill
Cambridge University Press
ISBN 0-521-37095-7
1125 pages plus front-matter

This is somewhat like The Radio Amateur Handbook (ARRL), but in many ways is more up-to-date on basic circuit technology and topologies, has more "under your fingernails" theory, and has sections on BAD circuits as well as good ones!! And you'll be VERY surprised at how many of those you've seen published in various projects over the years.

This book is a rare jem indeed. Herewith is the table of contents to varying detail....

The Art of Electronics, Horowitz and Hill

- Chapter 1 FOUNDATIONS
  - Voltage Current and Resistance
  - Signals
  - Capacitors and AC Circuits
  - Inductors and Transformers
  - Impedance and Reactance
  - Diodes and Diode Circuits
  - Other Passive Components

- Chapter 2 TRANSISTORS
  - Some Basic Transistor Circuits
  - Ebers-Moll model applied to basic transistor circuits
  - Some amplifier building blocks
  - Some typical transistor circuits
  - Self-explanatory circuits
    - Good Circuits
    - BAD Circuits

- Chapter 3 FIELD EFFECT TRANSISTORS

- Chapter 4 FEEDBACK AND OPERATIONAL AMPLIFIERS

- Chapter 5 ACTIVE FILTERS AND OSCILLATORS

- Chapter 6 VOLTAGE REGULATORS AND POWER SUPPLIES

- Chapter 7 PRECISION CIRCUITS AND LOW-NOISE TECHNIQUES

- Chapter 8 DIGITAL ELECTRONICS

- Chapter 9 DIGITAL MEETS ANALOG

- Chapter 10 MICROCOMPUTERS

- Chapter 11 MICROPROCESSORS
  - A detailed look at the 68008
  - A compete design example: analog signal averager
  - Microprocesor support chipts

- Chapter 12 ELECTRONIC CONSTRUCTION TECHNIQUES

- Chapter 13 HIGH-FREQUENCY AND HIGH-SPEED TECHNIQUES

- Chapter 14 LOW-POWER DESIGN

- Chapter 15 MEASUREMENTS AND SIGNAL PROCESSING

- Appendix A The oscilloscope
- Appendix B Math review
- Appendix C The 5% resistor color code
- Appendix D 1% precision resistor values
- Appendix E How to draw schematic diagrams
- Appendix F Load lines

Appendix G Transistor saturation
Appendix H LC Butterworth filters
Appendix I Electronics magazines and journals
Appendix J IC prefixes
Appendix K Selected data sheets

From -4219686888296564809
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,647a137d8f0c4ee6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 18:54:11 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!bionet!agate!ucbvax!xerox.com!Hugh_E._Wells.El_Segundo
From: Hugh_E._Wells.El_Segundo@xerox.com
Newsgroups: rec.ham-radio
Subject: For William Young N4WMT (only)
Message-ID: <"10-Dec-90..7:19:40.PST".*.Hugh_E._Wells.El_Segundo@Xerox.com>
Date: 10 Dec 90 15:19:40 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 21
Posted: Mon Dec 10 16:19:40 1990

I apologize to the net for the bandwidth, but my note bounced and couldn't find N4WMT in the call book.

Hi Bill,

You made it through the network just fine. I was not able to make it back to you via E-mail.

Yes, I'm willing to share my 8-bit Atari programs. Most of my stuff is for electronics. Much of it has been typed in from mag articles and from Howard Berlin. I've also written some for particular applications.

What kind of programs do you have for the Atari?

It it will be easier to contact me via U.S snail-mail.

73

Hugh Wells   W6WTU
1411 18th St
Manhattan Beach, CA 90266

From 8249895557653141851
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,52c63a415fb6e220,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 19:08:59 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!rex!rouge!pc.usl.edu!jpd

From: jpd@pc.usl.edu (Dugal James P.)
Newsgroups: rec.ham-radio
Subject: Kenwood TH-27A review & info
Message-ID: <20432@rouge.usl.edu>
Date: 10 Dec 90 15:53:45 GMT
Sender: anon@rouge.usl.edu
Organization: Univ. of Southwestern La., Lafayette
Lines: 87
Posted: Mon Dec 10 16:53:45 1990
Originator: jpd@pc.usl.edu

I'm posting this for Tom N5OFF:

I have been doing some experimenting with my th-27a, and have found it to be an excellent aircraft receiver as well as a fine two meter transceiver. It will also do full 136-174 MHz tx/rx, but I have not yet found a mod configuration that will allow full tx/rx AND aircraft receive at the same time (except the asian config which I will describe below).

When modified for full 136-174 tx/rx in any of the western configs the aircraft am is defeated (see chart below).

In the asian config, the rig becomes a versatile wide band receiver displaying 118-174, 200-400, and will tx 136-174.
The problem with this config is that some of the keyboard positions become relocated (see cross reference), and the processor reset defaults to 145.000 instead of 144.000.

So, can anyone out there shed some light on how to get full 136-174 tx/rx and preserve the relatively high quality aircraft receive present in the western standard models?
I have included below my summary of the resistor combinations that I have either tried, or otherwise know the functions of.

Any further info will be appreciated.

R334	R335	R337	W301	REMARKS
o	-	o	o	k,p us stock config
o	o	o	o	e 144-146 tx/rx no aircraft
o	o	o	-	e2 136-174 tx/rx no aircraft
-	-	o	o	m 144-148 tx/rx no aircraft
-	-	o	-	m2 136-174 tx/rx no aircraft
o	o	-	o	x not tried
o	-	o	-	us mars 118-174 rx 142-152 tx
o	-	-	-	us mars+ 136-174 tx/rx no aircraft
-	-	-	o	asian or jap stock
-	o	o	-	asian mod 118-174,200-400 rx,136-174 tx
o	o	-	-	not tried
o	-	-	-	not tried
o	-	-	o	not tried
-	o	-	o	not tried
-	o	o	o	not tried

"o" means resistor or jumper in place
"-" means open

TH-27a to TH-F27 (asian version) key relocations:

	th-27a key	=	th-f27 key
	tone/tone sel		call/c-scan
	call/c scan		bell/step
	3 talt		3 tone
	shift/rev		rev/shift
	MHz/step		MHz/band switch {118,145,340}
f1sec,3 :	tone alert sound		tone select

I have done the japanese mod on my th-27a, and find that the button differences are easy to live with. All functions on the rig seem to work in the japanese config except I don't think the auto-dialer will dial a * or #. No big deal for me. It will manually send a # or * though.

As stated earlier, the coverage of the rig in the jap config is

118-136 am rx
136-174 fm tx/rx
200-400 rx

I don't think the 200-400 works at all because I've compared it to strong local signals on a scanner and heard nothing on the th-27a. Aircraft rx is great! As good as a Bearcat 100/200, and better than the Icom 2sat. The th-27a has a "real" am detector/agc (see schematic).

To sum up: I love this little rig!
--
Tom, N5OFF
n5off @ k5arh/70501 (packet), n5off@w5ddl.aara.org (Internet)
--
-- James Dugal,   N5KNX   Internet: jpd@usl.edu
Associate Director   Ham packet: n5knx@k5arh
Computing Center   US Mail: PO Box 42770 Lafayette, LA 70504
University of Southwestern LA.   Tel. 318-231-6417 U.S.A.

From 7170100521591744719
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 19:18:23 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!rice!uupsi!fozzie!stanley

From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <JLyyT3w163w@phoenix.com>
Date: 10 Dec 90 15:08:54 GMT
References: <27@shasta.Stanford.EDU>
Organization: One Man Brand
Lines: 126
Posted: Mon Dec 10 16:08:54 1990

paulf@shasta.Stanford.EDU (paulf) writes:

> In article <mPBXT1w163w@phoenix.com> stanley@phoenix.com (John Stanley) write
> >   So then, the discussions in news.admin about trapping all newgroup

> That's an argument against ANY change, not just the name change and group
> addition. And it's also largely a problem with ALTnet and ALTnet only.

That's right. If and only if the benefits of change are greater than the cost is the change justified. In this case, it is not. The cost of any change is the effort to implement that change.

> >   Hmmm. News.*, comp.*, rec.*, talk.*, sci.*. Rec.ham-radio seems to fit
> >quite well in the rec.* hierarchy.

> Yeah, the same what alt.swedish-chef.bork.bork.bork does.

This is a problem with alt. In one breath you differentiate USEnet from alt, and in the next you don't. Be consistent.

> This does not justify having ham-radio as a second level domain, which is the
> principal contention.

What justification is needed?

> >   Moving rec.ham-radio down under rec.radio will do nothing to reduce
> >the growth.

> Never claimed it would. It does however make that growth easier to manage.

No. It will be just as easy under rec.ham-radio as under rec.radio.ham.

> > Imagine, any site
> >not wanting rec.ham-radio.legal need do NOTHING, versus creating a new
> >set of groups and deleting old.

> Contradiction #1. You claimed earlier that it was a royal pain to hack the
> distribution. Now you claim that they "need do NOTHING". Uh huh.

No, read what I wrote. If you do NOT want rec.ham-radio.legal, you need do nothing at all. If you do not want rec.radio.ham.legal, you will still need to mangle the news feeds to get rec.radio.ham. There is no contradiction here.

> No, there's not status associated with domain level. The justification for
> hanging the ham-radio tree under the radio tree is both intuitive and
> obvious.

In your opinion. Above you say there is no justification for the status of ham-radio being at the second level. Here you say there is no status. This seems to be a contradiction.

> The usual cause of "junk" filling up is a mismatch between your distribution
> and you active files. Bnews (and presumably Cnews) junk articles that they
> can't find an active entry for.

Yes. I know that.

> If your "junk" is in fact your highest
> volume newsgroup, then it sounds like your site is misconfigured.

Or the feed is misconfigured. I have very little control over how they configure, other than asking them to change things. They have already told me "that's the way things are". I am guessing they are feeding me the same groups that they feed others, to make life simple for them.

> Remember,
> just because "you" don't subscribe to a group doesn't mean the system won't
> keep the group around for others to read.

Yes, because I don't subscribe DOES mean the system will NOT keep a group around for others to read.

> >   Which rec.radio is related to packet? Maybe the best thing to do is
> >just be subsumed under rec.radio.noncomm. Not rec.radio.noncomm.amateur,
> >just r.r.n. There is pitifully little traffic in r.r.n now, so we would be
> >able to take them over with little effort.
>
> The purpose of the hierarchal structure of USENET is to divide posts into
> meaningful structure. What goes on in r.r.n has little to do with Amateur
> Radio (read the group charter). Moreover, your suggestion of "taking it
> over" is childish at best.

So your claim that r.h.* is closely related to r.r.* is not supportable. I think your suggestion to rename r.h just to rename it is childish at best, but I try to argue based on the argument and not on the personal characteristics of those I argue with. What, run out of rational arguments already?

> It's quite clear that noncomm has little if anything to do with ham radio.
> It is quite clear that ham radio has something to do with radio. At least
> the last time I took E&M it did, anyway.

Of all the rec.radio, ham-radio is supposed to be the least commercial. Even PBS stations are running adverts these days ("This program was funded by ..."). So, we are more noncomm than noncomm. The noncomm name fits us better than those who are there now.

> There is no difference in difficulty between adding rec.ham-radio.legal only
> and adding and deleting four newsgroups. You still have to enter emacs
> only once, if at all.

No. You must edit your active file. You must send mail to your feed to tell them to send you the new groups. If you feed someone, you have to edit the file that says what you feed (if they don't take everything already). That's at least two edits (my mail editor is emacs), maybe three.

> On the whole, the name change is more of an administrative change than
> anything else. If nothing else, it allows for a more logical growth
> in the tree structure for future splinter groups off of the ham radio
> discussion section.

You made this claim before, and it is still as false as it was then. It does nothing to allow a more logical growth. There is NO DIFFERENCE between adding groups under rec.ham-radio and adding them under rec.radio.ham. None. Zip. Nada. If rec.ham-radio can't grow logically as rec.ham-radio, then it can't grow logically under rec.radio.ham. Once again, the whole argument comes down to claims that are not supportable.

<> "If winning is not important, then why keep score?" -- Turtle Head
<> "Eaten any good books lately?" -- Q
<> "Sanity check!" "Sorry, we can't accept it, it's from out of state." - me

From -6975885717704625079
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 19:18:57 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rice!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <m0VyT2w163w@phoenix.com>
Date: 10 Dec 90 14:18:33 GMT
References: <1990Dec9.231912.8685@midway.uchicago.edu>
Organization: One Man Brand
Lines: 18
Posted: Mon Dec 10 15:18:33 1990

pbhx@ellis.uchicago.edu (Peter B. Hayward) writes:

>
> Gawd -- don't you hate rumors! How about this one we picked

> up overnight in Chicago.
>
> On December 13, the FCC will make its long awaited Communicator Class
> announcement. But the shocker will what else they announce on that
> date: that element 1B will no longer be required for General and
> Advanced and that element 1C will no longer be required for Extra.

And this will, of course, upgrade all Technician licenses to General, as the only difference is the code test. 80m phone, here I come!

<> "If winning is not important, then why keep score?" -- Turtle Head
<> "Eaten any good books lately?" -- Q
<> "Sanity check!" "Sorry, we can't accept it, it's from out of state." - me

---

From 2587018085366598803
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f19630e07c0a6e24,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 19:25:30 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rice!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Alternative proposal - The Grand Radio Reorg
Message-ID: <9k1yT5w163w@phoenix.com>
Date: 10 Dec 90 15:51:55 GMT
Organization: One Man Brand
Lines: 95
Posted: Mon Dec 10 16:51:55 1990

Since there is a great hullaballoo about reorganizing rec.[ham-]radio, let's go the full 9 yards and have a grand reorganization. Following all the arguments pro the change, here is a new proposal that will actually do what the old one is claimed to do.

Deletions:

rec.ham-radio[.*]
functions to be assumed by new groups

Additions:

rec.radio.noncomm.pro
the new home for the professional, non-commercial radio discussions.

rec.radio.noncomm.amateur
the top level for the discussion of amateur uses of noncommercial radio.

rec.radio.noncomm.amateur.ham
the top level for the discussion of topics relating to

the Amateur Radio Services, and the equivalent services in non-US countries.

rec.radio.noncomm.amateur.ham.misc
This group replaces rec.ham-radio. It removes traffic from the domain, so that there are no groups that carry traffic and serve as home to subgroups.

rec.radio.noncomm.amateur.ham.digital
this group replaces rec.ham-radio.packet, and includes other digital modes.

rec.radio.noncomm.amateur.ham.swap
this group replaces rec.ham-radio.swap

rec.radio.noncomm.amateur.ham.rules
a new group for the discussion of regulatory issues, including but not limited to code/nocode and PRC1.

rec.radio.noncomm.amateur.cb
a group dedicated to the discussion of the uses of the Citizen's Radio Service, or equivalent in non-US countries.

rec.radio.noncomm.amateur.lowpower
a group dedicated to the users of devices classed under Part 15 of the US rules, and the equivalent in non-US countries. A major component of the charter for this group is the dissemination of the information that baby-monitors can be monitored by anyone.

alt.ham-radio
a starter group that will allow anyone who wants to create any group he or she wants, under the umbrella of ham radio. Possible immediate new groups:
- alt.ham-radio.spark.gap.zap.zap.zap.
- alt.ham-radio.morse.code.dit.dah.dit
- alt.ham-radio.reorg.of.the.week

Rationale:

This reorganization will serve to identify more completely the groups, and allow easier growth. It provides areas for the discussion of topics not currently covered. As ham-radio is a non-commercial usage, it falls most logically under the noncomm name, and more specifically, under the amateur usage of radio spectrum. This will, hopefully, serve to reduce the discussions of the commercial or professional usage of Amateur Radio in the amateur.ham.misc group.

To better identify the professional users, and to separate them from the amateur traffic, a new group is formed for them. This eliminates the problem of having a domain that also carries traffic. This is the same reason for the creating of the .misc group under rec.radio.noncomm.amateur.ham.

Note that the term amateur is used in its generic form. The usage matches that used by non-hams. (Those poor souls who would like to become one will identify first the noncomm heading, followed by the amateur heading, and finally the actual ham group. Those searching for CB will be able to easily locate the CB groups.)

Since this proposal actually does what the proponents of the other proposal claim, they should be quick to accept this. If we are going to change, we should at least do what we claim we are trying to do. If you have trouble with this proposal, then you should really be having trouble with the rec.radio.amateur one.

<> "If winning is not important, then why keep score?" -- Turtle Head
<> "Eaten any good books lately?" -- Q
<> "Sanity check!" "Sorry, we can't accept it, it's from out of state." - me

From 6238827630018915778
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,216506fe5761d0dc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,216506fe5761d0dc
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-12-10 19:38:09 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!know!tegra!vail
From: vail@tegra.COM (Johnathan Vail)
Newsgroups: rec.ham-radio,sci.space
Subject: Re: * SpaceNews 10-Dec-90 *
Message-ID: <1832@atlas.tegra.COM>
Date: 10 Dec 90 15:13:58 GMT
References: <382@ka2qhd.UUCP>
Organization: Tegra-Varityper, Inc., Billerica, MA
Lines: 36
Xref: gmdzi rec.ham-radio:17676 sci.space:18227
Posted: Mon Dec 10 16:13:58 1990
In-reply-to: kd2bd@ka2qhd.UUCP's message of 9 Dec 90 02:35:29 GMT

Given these articles in SpaceNews:

> * SAREX NEWS *
> ==============
> Dr. Ron Parise, WA4SIR, has made hundreds of packet radio contacts with his Amateur Radio station on board the space shuttle Columbia. Telephone bridges were set up to enable school children to talk with the latest ham in space. Ron has also been making some voice contacts. The primary downlink frequency for all SAREX operations has been 145.550 MHz.

* MIR NEWS *
============
Soyuz TM-11 has successfully docked with the Mir space station complex currently on Earth orbit. The Soyuz spacecraft carried Soviet cosmonauts Musa Manarov, Viktor Afanasyev, and Japanese journalist Toyehiro Akiyama.

I was wondering: If there are hams in the shuttle and hams in Mir, both running 2 meters, have there been any space-to-space (ham) QSO's?

I realize that the altitude of the orbits is not enough to provide significant mutual windows but the shuttle and Mir do occasionally pass close enough to see each other. Last week I heard that they passed within 30 miles of each other so it certainly is possible.

(maybe this time the Russians were too busy babysitting that whining journalist...)

"Koukinaries"

```
 -----
|     | Johnathan Vail | n1dxg@tegra.com
|Tegra| (508) 663-7435 | N1DXG@448.625-(WorldNet)
 -----  jv@n1dxg.ampr.org {...sun!sunne ..uunet}!tegra!vail
```

From 1381177004871331761
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,267c0ad61300a278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 20:02:21 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: FCC Rumor -- (But what if it is true?)
Message-ID: <1990Dec10.170719.14133@athena.cs.uga.edu>
Date: 10 Dec 90 17:07:19 GMT
References: <1990Dec9.231912.8685@midway.uchicago.edu> <1990Dec10.120317.25970@swlabs.uucp>
Organization: University of Georgia, Athens
Lines: 17
Posted: Mon Dec 10 18:07:19 1990

In article <1990Dec10.120317.25970@swlabs.uucp> jack@swlabs.UUCP (Jack Bonn) writes:
>In article <1990Dec9.231912.8685@midway.uchicago.edu> pbhx@ellis.uchicago.edu (Peter B. Hayward) writes:
>>Yes, the hot rumor is that the 13 wpm and 20 wpm requirements are dead
>>and that one will only need to demonstrate code proficiency at 5 wpm
>>for *ANY* amateur license
>

Actually, this is very unlikely, because there has not been a Notice of Proposed Rule Making (NPRM) for any such action.

>Ironically, if this rumor comes to pass, I could easily find myself
>running CW only. I can hear the displaced CBers stirring now, as the
>sunspot cycle begins to fade. CW may be the only place to hide from them.

Exactly. CW may be a better "lid filter" without the exams than with
them, as long as there continue to be substantial CW subbands.

73 de N4TMI

From -4585957782421252421
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 20:13:02 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <730.2764E62F@w8grt.fidonet.org>
Date: 11 Dec 90 04:13:02 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 25
Posted: Tue Dec 11 05:13:02 1990

> From: emcguire@ccad.uiowa.edu (Ed McGuire)
> Date: 11 Dec 90 02:02:40 GMT
> Organization: CAD-Research, U. of Iowa, Iowa City, Iowa
> Message-ID: <1990Dec11.020240.15237@ccad.uiowa.edu>
> Newsgroups: rec.radio.shortwave,rec.ham-radio,rec.ham-radio.packet,
> news.groups
>
> In article <689.27612B4F@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org
> (Jim Grubs) writes:
>
>   I'm not arguing against changing the name, but at the same time I
>   think you underestimate the degree to which 'radio ham' has over
>   the decades become a widely understood term among non-hams.
>
> Just curious. How widely understood is "ham" outside of the U.S.?
> Outside of English speaking countries? Among non-hams in those
> countries?

Err, isn't that academic, considering r.h-r is in English anyway?

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 5141783968557087151
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 20:16:36 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rice!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Internet-Packet Reply (LONG!)
Message-ID: <397@ultrix.uhasun.hartford.edu>
Date: 10 Dec 90 16:05:38 GMT
References: <688.27612B49@w8grt.fidonet.org>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 65
Posted: Mon Dec 10 17:05:38 1990

In article <688.27612B49@w8grt.fidonet.org>, jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>
> > > Are we to infer from your constant references to the fact that you
> > > participate in the ARRL program to educate the FCC on what's happening in
> > the
> > > real world that the League approves of this FCC "Whack the Guppies"
> > policy?
> >
> > Attacking the messenger because you dislike the message adds nothing
> > useful to this discussion.
>
> Neither does your predilection for trying to drag red herrings across the
> path of everyone who is less than totally thrilled with the way the League
> mismanages things.

I don't have any problem with people who disagree with League actions.
I often disagree with them myself. What I have a problem with is
people who a) distort League actions and policy statements to make
their own case, and b) disagree with *everything* the League does
just because it's the League doing it.

> > Also, as you very well know, my postings
> > here do not represent official League policy.
> > If people insist on
> > taking
> > anything any ARRL staffer or official says as "League policy," how
> > can there be any dialogue between the officials/staff and the members?
>
> Then why do your postings in this thread contain repeated references to your
> part in the briefing of FCC staff members by ARRL staff members? If you're
> not speaking for the League, why drag its name into the conversation to lend
> credibility to your statements?

I think I twice mentioned talking to the FCC, so I guess that constitutes
"repeated references." But I thought folks might want to hear from

someone who actually has taken the time to talk to the FCC and find out what they really think, rather than making wild guesses. Sorry if what they told us doesn't fit with your preconcieved notions.

If you don't understand the difference between speaking *for* the League and my speaking *as* a League staffer, I suggest you consult a dictionary.

> Right. Brand everyone who disagrees with Newington as troublemakers and
> segregate them into some ghetto where noone will notice when they ask
> embarrassing questions like, "Now that the loss of 220 - 222 mhz is final,
> who was it at HQ who failed to see to it that the FCC technical people had
> constantly updated rather than outdated ARRL repeater directories?"

People who want to debate issues aren't troublemakers, but people who make irrational and unsubstantiated charges are.

Speaking of red herrings... the date of their Repeater Directories is irrelevant since the Directory doesn't (and isn't intended to) provide band-occupancy data. Their misuse of the published information could as easily have been done with any year's Directory (including the current one).

I don't think I'll post any more on this thread. While I'm sure the net readers are hugely entertained by it, I doubt it's adding much of value to the legitimate debate of ham radio issues.

```
--
Jon Bloom, KE3Z                             | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu        |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

```
From -3422178865117989512
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a502a0e0ca9b4707,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 20:42:26 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!hsdndev!husc6!bunny!jp10
From: jp10@GTE.COM (Jeffrey Perry)
Newsgroups: rec.ham-radio
Subject: NEW NOVICE Seeks advice on first rig.
Summary: NEW Novice as of Dec 1 pending license
Message-ID: <10183@bunny.GTE.COM>
Date: 10 Dec 90 18:30:59 GMT
Followup-To: acm129@flora.ccs.northeastern.edu
Organization: GTE Electronic Defense Communications Division (EDCD)
Lines: 32
Posted: Mon Dec 10 19:30:59 1990
```

I just passed my novice test Dec 1 ! I am now working on my Tech!

I would greatly appreciate any advice an recommendations on setting up my shack, and purchasing radios and attennas. I plan on making my own antennas since most people I have talked to say that it's easy, inexpensive, and that these antennas get excellent reception. So my main concern is the eternal question: Which rig? I want to work phone on 10 meters as soon as possible since propagation is so good! I also want to do some CW and hope to eventually get my general license! There are so many different brands and models of radio! It's all very confusing. I also want to do packet sometime.

I've been told most transceivers are general coverage now? Is this true ? If not, would it be cheaper to get a ham bands only transceiver? Looks like I need an allmode all band HF rig. Any recommendations? Someone recommended the ICOM 735. Comments? How much would it cost used? Any other recommended brands or models? I am CS major that tends to like features and "gadgets" I think my personal preference would be an LCD display for the frequency, but I am told that it is sometimes better to get an analog tune.

Thanks in Advance!

73's

Jeff
(pending novice call sign KA1W--)

--
```
=== Jeffrey Perry              ON COOP AT:
=== Computer Science Undergraduate          GTE, EDCD
=== Northeastern University, Boston, Ma        100 First Ave, Waltham Ma
=== "Two minds but with a single memory!"-MaxH jperry@gte.com
```

From 5275608966114368488
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,af3bf2ae71a04ff8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 20:52:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!apple!agate!ucbvax!
CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: FCC action on NPR 90-55
Message-ID: <9012110452.AA22910@cmr.ncsl.nist.gov>
Date: 11 Dec 90 04:52:25 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 4
Posted: Tue Dec 11 05:52:25 1990

My "source" tells me that the action on 90-55 (Communicator License) is scheduled for release on December 13, 1990. No details on content have come my way in any "inside" manner.
73, Bob W3OTC

From -5851727156435589 75
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dabde00793370565,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-10 21:23:31 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!
elroy.jpl.nasa.gov!ames!ncar!boulder!uswat!csn!news
From: gordon@boulder.Colorado.EDU (GORDON ALLEN R)
Newsgroups: rec.ham-radio
Subject: Info wanted on ham BBS
Message-ID: <1990Dec10.170944.27681@csn.org>
Date: 10 Dec 90 17:09:44 GMT
Sender: news@csn.org
Reply-To: gordon@tramp.Colorado.EDU (GORDON ALLEN R)
Organization: University of Colorado, Boulder
Lines: 7
Posted: Mon Dec 10 18:09:44 1990
Nntp-Posting-Host: tramp.colorado.edu

I have not been involved with amateur radio for many years. I would like info on packet switching, ham BBS and possible access to USENET and INTERNET. Please reply via EMAIL and I will summarize responses, if warranted.

Thanks in advance.

Allen Gordon

From -4765656674602084200
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98121c16852689b1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 22:24:31 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
magnus.ircc.ohio-state.edu!rdixon@magnus.ircc.ohio-state.edu
From: Bob_Dixon@osu.edu
Newsgroups: rec.ham-radio
Subject: Reorganization
Message-ID: <CMM.0.88.660594143.rdixon@magnus.ircc.ohio-state.edu>
Date: 7 Dec 90 18:22:23 GMT
Sender: Bob Dixon <rdixon@right.magnus.ircc.ohio-state.edu>
Reply-To: Bob_Dixon@osu.edu
Organization: The Ohio State University
Lines: 6
Posted: Fri Dec 7 19:22:23 1990
Originator: daemon@right.magnus.ircc.ohio-state.edu
Nntp-Posting-Host: right.magnus.ircc.ohio-state.edu

I agree with the current proposals to split rec.ham-radio into smaller subgroups. I am less concerned about what the subgroups are than about the need for doing it. It is just too big now.

Bob Dixon
W8ERD

From -4860037292365269921
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-07 22:42:49 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sun-barr!newstop!sun!amdcad!
mozart.amd.com!positron!brian
From: brian@positron.amd.com (Brian McMinn)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <1990Dec7.180057.3925@mozart.amd.com>
Date: 7 Dec 90 18:00:57 GMT
Sender: usenet@mozart.amd.com (Usenet News)
Organization: Advanced Micro Devices, Austin, TX
Lines: 22
Xref: gmdzi news.groups:23386 rec.ham-radio:17571
Posted: Fri Dec 7 19:00:57 1990

Jeff DePolo writes:

> r.r.a.legal seems a bit too specific. I don't see the use of having
> a seperate group for just this particular aspect of normal traffic.

I'd rather see r.r.a.rules or r.r.a.regulations

> r.r.a.swap might be better as just rec.radio.swap

I'd rather see this too.

I'd also like to see rec.radio.cb so that CB related stuff would have
a place to be without being flamed to death and rec.radio.amateur.tech
(or perhaps just rec.radio.tech since the shortwave folks would also
be interested in the same things) for technical discussions.

--
--
Brian McMinn   brian@amd.com
Advanced Micro Devices   N5PSS
Austin, Texas   1-(512)-462-5389
"You can't leap a chasm in two jumps."

From -2410753633172325217
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4b95bc5678e9cc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-08 00:15:52 PST

Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!elroy.jpl.nasa.gov!ames!uhccux!uhunix1.uhcc.Hawaii.Edu!johns
From: johns@uhunix1.uhcc.Hawaii.Edu (J. Shalamskas KJ9U)
Newsgroups: rec.ham-radio
Subject: Re: Confirmed SAREX QSO
Keywords: KJ9U, confusion, STS, SAREX, 82, hawaii
Message-ID: <10555@uhccux.uhcc.Hawaii.Edu>
Date: 8 Dec 90 08:15:52 GMT
References: <10534@uhccux.uhcc.Hawaii.Edu>
Sender: news@uhccux.uhcc.Hawaii.Edu
Organization: University of Hawaii
Lines: 33
Posted: Sat Dec 8 09:15:52 1990

We just got through with a nice 82 degree high pass here in Honolulu. It peaked at 7:54 pm local time tonight, December 7. I made sure that plenty of people heard about it by talking it up on the statewide repeater system. Everyone expected a loud packet pass.

I went up on the roof of my condo, about 100 feet AGL, with binoculars, handheld, and 4 element beam. Invited some neighbors to come look for the shuttle and listen to the commotion.

Unfortunately, it was too long after sunset, so no one spotted the shuttle.

However, WA4SIR surprised us all by coming up on voice! Several astonished hams managed to make contact during the pass. I heard about 2 minutes of the downlink with my IC-2A and 4 element handheld beam, and a visiting ham in Waikiki heard WA4SIR on a handheld and ruber duck!

Gee, I wonder if Ron just wanted more DX QSL cards? *grin*

```
                               _____
     John Shalamskas, KJ9U    /     \     "Marge, you're my wife,
                            \/\/     |   /  but donuts are my mistress!"
                             |  (o)(o)  / _
                             C   .---_)  /  \
                              | |.___|  | O ||
                              |  \__/    \__/
                              /_____\     johns@uhunix.uhcc.hawaii.edu
```

--

```
                               _____
     John Shalamskas, KJ9U    /     \     "Marge, you're my wife,
                            \/\/     |   /  but donuts are my mistress!"
                             |  (o)(o)  /
```

From 1964763137981216957
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-12-08 02:53:40 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Internet-Packet Reply (LONG!)
Message-ID: <4437@lib.tmc.edu>
Date: 7 Dec 90 13:10:48 GMT
References: <678.275CF8F8@w8grt.fidonet.org> <395@ultrix.uhasun.hartford.edu>
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 22
Posted: Fri Dec 7 14:10:48 1990
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <395@ultrix.uhasun.hartford.edu> jbloom@uhasun.hartford.edu (Jon Bloom) writes:
>In article <678.275CF8F8@w8grt.fidonet.org>, Jim.Grubs@w8grt.fidonet.org (Jim Grubs, W8GRT) writes:
>>[Sorry to offend the rec.ham-radio.legal proponents, but if you look up from
>>your ivory tower technical tinkering some day and discover that the politics
>>of regulation have eliminated the hobby altogether, don't ask why "somebody"
>>failed to notice and take care of the problem.]
>Give me a break.
>(For some reason, I'm really starting to warm up to the idea of
>rec.ham-radio.legal. Although rec.ham-radio.flame seems more
>apropos.)

Jim, I'm hardly in the class of ivory-tower technical tinkerer. I intend
to participate in rec.{ham-radio,radio.ham,radio.amateur}.legal. I do
recognize that not all readers of this group do, though.

Jon, this is the kind of thing that should go in .legal. Glad to see that
it's making an impression. .flame would be ideal, but would never fly in
the newsgroup creation process.
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
  "...flames are a specific art form of Usenet..." -- Gregory C. Woodbury

From -3093786047235245662
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95dcea8e7f0bf042
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,95dcea8e7f0bf042
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-12-08 03:16:49 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!snorkelwacker.mit.edu!bloom-beacon!vaxeline!bootsie!olson
From: olson@bootsie.UUCP (Eric Olson)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Lojack Direction Finders SPOTTED
Message-ID: <42@bootsie.UUCP>

Date: 7 Dec 90 11:39:20 GMT
References: <1990Dec6.212849.16743@cbnewsc.att.com>
Reply-To: olson@bootsie.UUCP (Eric Olson)
Organization: Lexington Software Design, Lexington, MA
Lines: 15
Xref: gmdzi rec.ham-radio:17575 rec.radio.shortwave:3062
Posted: Fri Dec 7 12:39:20 1990

In article <1990Dec6.212849.16743@cbnewsc.att.com> tedk@cbnewsc.att.com (ted.g.kekatos) writes:

>I have spotted several Chicago Police and Illinois State Police
>cars with four equal spaced antenna on the roof. The antenna are about 16 inches
>long. I believe that this is direction finder equipment for Lojack devices.

This is correct. In Massachusetts, at least one cruiser from each city and town has a LoJack receiver.

-Eric

```
--
Eric K. Olson, Editor, Prepare()       NOTE: olson@bootsie.uucp will not work!
Lexington Software Design              Internet: olson@endor.harvard.edu
72A Lowell St., Lexington, MA 02173    Usenet:   harvard!endor!olson
(617) 863-9624                         Bitnet:   OLSON@HARVARD
```

From -8196890996440434176
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98121c16852689b1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-08 03:54:07 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!usc!apple!portal!cup.portal.com!UKTONY
From: UKTONY@cup.portal.com (Tony C Harding)
Newsgroups: rec.ham-radio
Subject: Re: Reorganization
Message-ID: <36698@cup.portal.com>
Date: 8 Dec 90 11:54:07 GMT
References: <CMM.0.88.660594143.rdixon@magnus.ircc.ohio-state.edu>
Organization: The Portal System (TM)
Lines: 14
Posted: Sat Dec 8 12:54:07 1990

Who do we need to talk to about spliting rec.radio.shortwave and ham.radio?

At the moment some items posted in ham.radio automaticly also make it into radio.shortwave.

I subscribe to both and do not really want to read them twice.

Is the magic word here, BANDWIDTH.

```
Tony
[son of G6HHF]


From 3666726914646158900
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-08 04:06:20 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <24391@ucsd.Edu>
Date: 7 Dec 90 15:35:11 GMT
References: <19@shasta.Stanford.EDU> <27080036@col.hp.com>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 26
Posted: Fri Dec  7 16:35:11 1990

>    rec.radio.amateur    [I hate the word 'ham']
>    rec.radio.amateur.rules   or    rec.radio.amateur.regs
>    rec.radio.amateur.swap
>    rec.radio.amateur.packet

In the library world, this is known as "Dewey Decimal Syndrome" - a
strange neurotic compulsion to categorize things down nearly to the
finest grain, regardless of the usefulness of the categorization to
those people attempting to use them.  This is a mild case, but clearly
it's the thin end of the wedge.

Should there be created such a group as .legal (or .pilpul, or whatever)
how many are going to subscribe to it?  Or is this just a thinly-
disguised case of NIMBY - an attempt to get all those people who insist
on talking about legal issues to go away and stop bothering you?

A brief reminder as well: dots in newsgroup names indicates branches in
the tree-structured hierarchy of groups.  They're not just namepart
separators.  The dash character is more appropriate for that.

Finally, I'm moderately proud to be called a "ham radio operator";
I think it's nicer than being called an amateur (as opposed to
"professional").  I think the people who want to be called 'amateurs'
instead of 'hams' are being overly formal - like insisting on being
called Robert instead of Bob.
              - Brian


From -2992565849099542899
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a93a829e7c6376ae
```

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-08 04:18:40 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!swbatl!ken
From: ken@swbatl.sbc.com (Ken Gianino 5-9081)
Newsgroups: rec.ham-radio
Subject: Re: LSB/USB mod to Sangean 803 / DX-440
Message-ID: <1990Dec7.160233.3022@swbatl.sbc.com>
Date: 7 Dec 90 16:02:33 GMT
References: <1990Dec7.144911.174@aplcen.apl.jhu.edu>
Organization: Southwestern Bell Advanced Technology Laboratory
Lines: 42
Posted: Fri Dec 7 17:02:33 1990

In article <1990Dec7.144911.174@aplcen.apl.jhu.edu> @aplvax.jhuapl.edu:mjj@stda.jhuapl.edu (Marshall Jose) writes:

> I hope this isn't old news. I recently picked up a DX-440-on-sale, as well as a service manual for same, and soon set about trying to figure out how to make it receive one sideband or the other.
>
> After getting past a delusional fixation I had about needing additional IF filters, I tried someone's advice: use the narrow (4 kHz) filter, and shift the BFO up or down 2 kHz as is needed to receive the proper sideband. It works! And rather well, indeed.
>
> Great, but to shift the BFO you will have to get inside the unit. The "BFO" control on the front of the DX-440 only shifts the 1st LO -- it doesn't affect the BFO frequency at all.
>
> The one to twiddle is VT103 on the A-1 assembly, which is a 100 pF trimmer capacitor in the BFO xtal oscillator circuit. Of course, doing this means that you're stuck with one or the other sideband mode after you reassemble the radio case.
>
> I'll be puttering around in the next week or two with ways to make the mode switchable, preferably with a minumum of holes cut in the case. I'll most likely use diodes to switch in another trimmer or two.
>
> In any event, if you've been putting up with QRM while listening to the shuttle, the above adjustment might be worth it to you.
>
> Later,
> Marshall Jose WA3VPZ
> mjj%stda@aplcen.apl.jhu.edu || ...mimsy!aplcen!aplvax!mjj

I love to modify radios but I thought I might add my 2 cents worth here. Everything you say here is correct but this mod will not buy you anything. With a 4KHz filter your radio will still receive 4KHz worth of spectrum, only about half of which will ever be the intended SSB signal. Shifting the BFO to the low side of the IF <will> enable USB only reception, but it will be just as noisy. As you suspected, you need a more narrow filter (about 2.4 KHz for SSB). I think I would leave the BFO centered and still

be able to copy both sidebands. If you want to know which sideband you
are listening to, remember this: If you shift the frequency <up>, a USB
signal will go <down> in pitch and a LSB signal will go <up> in pitch.
Ken - WB0QNA

From -7783864955716013838
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,826c89a0a9e155c4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-08 04:52:32 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!apple!sun-barr!newstop!west!L1-A.West.Sun.COM!flloyd
From: flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242)
Newsgroups: rec.ham-radio
Subject: ? 2m/440 Duplexers
Summary: What's in them?
Message-ID: <1252@west.West.Sun.COM>
Date: 7 Dec 90 16:53:13 GMT
Sender: news@west.West.Sun.COM
Organization: Sun Microsystems, Phoenix, AZ
Lines: 19
Posted: Fri Dec 7 17:53:13 1990

I've been wondering whether it would be easy to build a 2m/440
duplexer like the kind that Larsen sells, or they type which
is made by Diamond or Kenwood?

I haven taken one apart yet but I assume that all they contain is
a ferrite core and perhaps a few stragegic windings?

Can anyone post a diagram of a simple duplexer for this purpose?

-fred

```
--
| Fred Lloyd  AA7BQ                              flloyd@West.sun.com |
| Sun Microsystems, Inc.                                 ...sun!flloyd |
| Phoenix, AZ                                                          |
```

From 2229270083971976645
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,83ec141b3d1d3586
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,83ec141b3d1d3586
X-Google-Attributes: gidfddbf,public

X-Google-Thread: f76e2,83ec141b3d1d3586
X-Google-Attributes: gidf76e2,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-08 05:08:53 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!rpi!crdgw1!crdos1!davidsen
From: davidsen@crdos1.crd.ge.COM (Wm E Davidsen Jr)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.shortwave,news.groups
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <3011@crdos1.crd.ge.COM>
Date: 7 Dec 90 17:23:39 GMT
References: <681.275E4825@w8grt.fidonet.org>
Reply-To: davidsen@crdos1.crd.ge.com (bill davidsen)
Followup-To: rec.ham-radio
Organization: GE Corp R&D Center, Schenectady NY
Lines: 15
Xref: gmdzi rec.ham-radio:17579 rec.ham-radio.packet:3174 rec.ham-radio.swap:852 rec.radio.shortwave:3067 news.groups:23393
Posted: Fri Dec 7 18:23:39 1990

In article <681.275E4825@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

| The technoids go on and on wonderfully about their ideas for the design of
| the Phantasmagorical Data Engine with the blind faith assumption that when
| they're done, we'll have amateur bands to use it in. I don't think we can
| assume that, and sticking those who write about it in a "newsghetto" so they
| can be ignored more easily will be counterproductive in the long run. Penny
| wise and pound foolish, as it were.

Your right to speak is subordinate to my right to ignore you. Mixing in stuff people don't want to read doesn't make them read it, it makes them hate it. And makes it harder to find for those who want it.

--
bill davidsen (davidsen@crdos1.crd.GE.COM -or- uunet!crdgw1!crdos1!davidsen)
VMS is a text-only adventure game. If you win you can use unix.

From -5149780487656639237
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4b95bc5678e9cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-08 06:22:43 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!ames!uhccux!uhunix1.uhcc.Hawaii.Edu
From: johns@uhunix1.uhcc.Hawaii.Edu (J. Shalamskas KJ9U)
Newsgroups: rec.ham-radio
Subject: Confirmed SAREX QSO
Keywords: robot, KJ9U, confusion, STS, SAREX
Message-ID: <10534@uhccux.uhcc.Hawaii.Edu>
Date: 7 Dec 90 16:27:59 GMT

Sender: news@uhccux.uhcc.Hawaii.Edu
Organization: University of Hawaii (Inmate)
Lines: 92
Posted: Fri Dec 7 17:27:59 1990

```
Here's the pass where I worked STS-35:  (edited for brevity)
All time stamps are Hawaiian Standard Time.   MON 5, PASSALL ON.
---------------------------------------------------------------------------

07-Dec-90  00:20:02  WA4SIR*>QRZ <UI>:
#1056-KA6NEI JJ2RYW KG6DX KE0SC KJ9S 3B8FP ZS5J WA4SIR ZS6XL ZS6HQ ZS6BZE
ZR6AIB ZR6AGA PT2TD HK4FZ HK4BHA KB4YJF XE1LM K9ES N4PLY TG9AKE KB5JRA K5KNE
XE1LCE WA4VUT WA5NBP XE1PM WB5IPM N5LKJ XE2M WA4SFQ WB5HJV K5SAF WA6EQU N6NJI

07-Dec-90  00:20:03  WA4SIR*>QSL <UI>:
JJ2RYW/1136 ZS6XL/1125 ZS6BZE/1122 HK4BHA/1116 XE1PM/1105 NH6HF/1083
KA6NEI/1076 ZS5J/1072 YV4ABC/1060 KB4ODE/1052 ZS6AJS/1011 NP4BM/1003 VK1AU/993
 KE0SC/988 4X4LF/986
                                                   ______________________
07-Dec-90  00:20:04  WA4SIR*>SAREX <UI>:          { KA6NEI already has a }
Connect to WA4SIR for a SAREX Robot QSO           { QSL number: see QRZ  }
with the Space Shuttle Columbia.                  { #1056-KA6NEI or QSL  }
                                                  { KA6NEI/1076.  Tsk!   }
                                                  { WA4SIR connected to  }
07-Dec-90  00:20:05  WA4SIR-8*>KA6NEI <I>:        { KA6NEI just before   }
#1137-is your SAREX QSO number.                   { beaconing, so NEI    }
Thanks for the connect                            { shows up on both of  }
from the Space Shuttle Columbia.                  { the beacons.         }
                                                   ^^^^^^^^^^^^^^^^^^^^^^
07-Dec-90  00:20:05  WA4SIR*>KA6NEI <UA>            ____________________
07-Dec-90  00:20:09  *** CONNECTED to WA4SIR       { Here's MY connect! }
07-Dec-90  00:20:09  WA4SIR*>KA6NEI <I>:            ^^^^^^^^^^^^^^^^^^^^
#1137-is your SAREX QSO number.
Thanks for the connect
from the Space Shuttle Columbia.

#1138-is your SAREX QSO number.                     ______________________
Thanks for the connect                             { here's my QSO number }
from the Space Shuttle Columbia.                    ^^^^^^^^^^^^^^^^^^^^^^
                                                    ______________________
07-Dec-90  00:20:18  *** DISCONNECTED: WA4SIR      { Now I am in the log, }
                                                   { IF my acknowledgement}
07-Dec-90  00:20:23  WA4SIR*>NH6WZ <I>:            { of the Disconnect can}
#1139-is your SAREX QSO number.                    { reach the shuttle!   }
Thanks for the connect                              ^^^^^^^^^^^^^^^^^^^^^^
from the Space Shuttle Columbia.

07-Dec-90  00:20:23  WA4SIR*>NH6WZ <UA>
------------------------------------------------------------------------------

During the following pass:  (also edited for brevity)
-----------------------------------------------------
```

```
07-Dec-90  01:57:17  WA4SIR*>QRZ <UI>:
#1088-AH6GR AH6IX JA9IHI JJ6AGK JH2NIT JJ6AGN JR5EBL JJ6AGM WA4SIR JR4BRS
JJ6AGL JH3EXG JK3RLO JA6FTL VS6BZ Z21FB PY2ALT PU2YVZ ZY5AAT PY2EML OA4CK
HC5AH OA4HV XE1LSR XE1LCE XE1RK XE2M XE1IX WA6EQU N6XFC WA6AKQ WA6OEC N6IXX
W6GO W6YEP

07-Dec-90  01:57:18  WA4SIR*>QSL <UI>:
JJ6AGK/1177 JJ6AGN/1175 JJ6AGM/1171 JJ6AGL/1169 Z21FB/1160 HC5AH/1151
XE1RK/1145 XE1LCE/1146 XE1IX/1143 KJ9U/1138 JJ2RYW/1136 ZS6XL/1125
ZS6BZE/1122 HK4BHA/1116 XE1PM/1105
                                               ____________________________
07-Dec-90  01:57:18  WA4SIR*>SAREX <UI>:      { Note that I show up in the }
Connect to WA4SIR for a SAREX Robot QSO       { QSL beacon:  KJ9U/1138     }
with the Space Shuttle Columbia.              { This is my confirmation!   }
                                               ^^^^^^^^^^^^^^^^^^^^^^^^^^^^
```

Equipment used: Yaesu FT727 HT, a 25 Watt brick, 100 feet of RG-8X, and
                 a homebrew J-pole at 100 feet. Approximately 10 Watts EIRP.

Interestingly, KA6NEI had a QRZ message in the first pass that said he already had QSO # 1056. But the QSL beacon had him as being QSL # 1076.

The next pass had no sign of KA6NEI in the beacon, even though his connect was one number away from mine (his 1137, mine 1138).

The way I see it, either his DM packet wasn't heard, or his connect was tossed out by the robot after it checked for dupes.

There has been some amount of confusion locally as to whether the robot is really ignoring the dupes, since it has been assigning new QSO numbers on each pass. Anyone who knows for sure, please let me know what's going on.

Aloha, hope everyone that tried managed to get through to STS-35!

de KJ9U, John Shalamskas

--

```
                                _____
     John Shalamskas, KJ9U    /     \      "Marge, you're my wife,
                            \/\/     |   /  but donuts are my mistress!"
                             |  (o)(o)  /
```

From 3274808948108600811
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f551e79c858d1b8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-08 06:45:00 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!usc!apple!agate!ucbvax!WABASH.BITNET!PERRYR

From: PERRYR@WABASH.BITNET (GWYFFD)
Newsgroups: rec.ham-radio
Subject: W.W.II
Message-ID: <9012082234.AA00761@ucsd.edu>
Date: 8 Dec 90 14:45:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 23
Posted: Sat Dec 8 15:45:00 1990

In the course of researching the demise of the carrier pigeon as a species, I was recently reading an offical Signal Corps history of their involvement in W.W. II. Just out of a sense of boredom,(I've been working on this project TOO LONG!) I started to look up references to amateur radio. The history had glowing things to say about the Amateur Service, including a report filed after a visit to ARRL headquarters in (then) Hartford, Conn., and the formation of the Army Amateur Radio System (AARS, which I assume is the precursor to MARS). The book continues with saying that "the attack on Pearl Harbor, of course, ended all amateur radio work in the United States", and just drops the subject. I can't find any more references until far after the war was over. In a word, what happened? I can't find any other sources to back this amazing statement up. Did every amateur station in the country go into mothballs "for the duration" ? Did Congress (or the governing body of amateur radio) just outlaw all ham transmissions? By what reasoning? It would seem to me that amateurs, particularly those with fox-hunting experience, would be quite useful to combat domestic spies, etc, etc, etc.... Any of the older hams on the net remember this time period? What happened?

Perplexed,

R. Todd Perry
PERRYR@WABASH
KB2JAC/9

From -7360596795779202053
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-08 09:53:05 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sun-barr!newstop!jaytee!hienergy!jimv
From: jimv@hienergy.East.Sun.COM (Jim Vienneau - Sun Microsystems)
Newsgroups: rec.ham-radio,news.groups
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <3559@jaytee.East.Sun.COM>
Date: 7 Dec 90 19:30:59 GMT
References: <1990Dec7.061211.27591@ux1.cso.uiuc.edu>
<1990Dec7.155358.9833@murdoch.acc.Virginia.EDU>
Sender: news@East.Sun.COM
Reply-To: jimv@east.sun.com (Jim Vienneau - Sun Microsystems)
Followup-To: rec.ham-radio

Organization: Sun Microsystems, Billerica MA
Lines: 19
Xref: gmdzi rec.ham-radio:17582 news.groups:23401
Posted: Fri Dec 7 20:30:59 1990

>Let me just say that I'd oppose any proposal to create a
> ".tech" subgroup because most of the existing postings
>are technical to some degree or another and most Amateur...

You've got to be kidding! Most of the postings technical? Only if you consider questions about nocode, callsign projects, clean fists, club stations, licensing procedures (aka Gorden West), Ham stacks, super repeaters, radar detectors, *Camcoders*???, CB, QSL card dimentions, reverse autopatches, flea markets, fees, numerous FCC comments, cyrillic?, Herbie net, antenna restrictions, etc, etc, etc, technical?!. Yes, *PLEASE* let's setup a .tech subgroup (works for rec.auto).

Jim Vienneau, Sun Microsystems Inc - Billerica, MA
Email: jvienneau@east.sun.com   Amateur Radio: WB1B
Good old Ma Bell (well old anyway): (508)671-0372

From -8605173690896050920
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,281602b2ec39947c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-08 10:17:34 PST
Path: gmdzi!unido!mcsun!uunet!wang!tosspot!lee
From: lee@tosspot.wang.com (Lee Reynolds)
Newsgroups: rec.ham-radio
Subject: A scream...
Message-ID: <ZZHVT2w163w@tosspot.wang.com>
Date: 8 Dec 90 18:17:34 GMT
Organization: Ludus Associates Incorporated
Lines: 44
Posted: Sat Dec 8 19:17:34 1990

Y'know, for the first time ever, I've decided that it might be a good thing if amateur radio finally became a thing of the past...

Yesterday (a Friday) I was home sick, so I thought it'd be really nice to copy the PA0AA/PI4AA club bulletins on twenty (14103). These guys have been on the air for about thirty years now, same time, same place, and I've sent them the odd report now and then for almost twenty of those years.

So I'm copying their Dutch news xmission (cw) and one of God's divinely appointed american amateurs (at least in his mind) shows up. Anyway, asshole starts sending (keyboard generated) cw over PA0AA, asking 'em to please QSY to the cw portion of the band. This does no good of course, 'AA is sending tape/whatever itself. Still, he keeps it up for the entire cw news broadcast, of course, he gives no callsign.

So, time for the voice portion of the transmission.

Two people show up on voice (both sounded like older people) asking why they have to listen to this every Friday afternoon. No calls again, what's the odds one of these two was the cw policeman? They carry on bitching and whining......and bitching...and whining...

I used to think that amateurs were slightly special people - y'know - interested in things outside their back yards, willing to help fellow hobbyists, generally tolerant folk. Turns out that being an amateur just gives you the ability to be an asshole with an audience of thousands if the fancy takes you......and those of us that tolerate these people are every bit as bad because we can't be bothered to do anything about it!

God, I'm pissed! What with the zoo on 313 and Bouvet, perhaps we really don't deserve to be allowed to exist as amateurs. I used to say that the 313 zoo made me proud to be an amateur........"G" amateur, that is, but I'm not even sure of that any more.

Okay, anyone have any suggestions upon which we can act to clean up our act? The ARRL and the FCC don't care, so perhaps it's time we got our own house together?

Oh, I live in NH, not G-land, by the way so I've seen both sides of the US/EU hf attitudes.....

Lee   W1/G8LCK

From -6011606861049425269
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4343e6cfbeb25c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-08 12:32:22 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!agate!ucbvax!blackbird.afit.af.mil!tkelso
From: tkelso@blackbird.afit.af.mil (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins: Space Shuttle
Message-ID: <9012082032.AA28297@blackbird.afit.af.mil>
Date: 8 Dec 90 20:32:22 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Sat Dec 8 21:32:22 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current elements for the current shuttle mission are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
STS 35
1 20980U 90106  A 90340.71451300  .00053642  00000-0  37954-3 0   129
2 20980  28.4668 332.8436 0011228 341.6274  18.4530 15.72433683   705
```

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

---

From 2983995735465988900
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,86e4e58a8cab0687
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-08 12:47:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ncar!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Reciprocal operating in France?
Message-ID: <5698@qip.UUCP>
Date: 8 Dec 90 20:47:20 GMT
References: <5637@qip.UUCP> <1250290@hpnmdla.HP.COM>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 12
Posted: Sat Dec 8 21:47:20 1990

In article <1250290@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
]You really only need to know one phrase:
]
]"Ou est le lavabo?" = Where is the toilet?
]
On the RADIO?
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From 3096317239720536490
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-08 13:08:39 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio

Subject: Internet-Packet Reply (LONG!)
Message-ID: <688.27612B49@w8grt.fidonet.org>
Date: 8 Dec 90 21:08:39 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 68
Posted: Sat Dec 8 22:08:39 1990

> From: jbloom@uhasun.hartford.edu (Jon Bloom)
> Date: 6 Dec 90 14:19:14 GMT
> Organization: The University of Hartford
> Message-ID: <395@ultrix.uhasun.hartford.edu>
> Newsgroups: rec.ham-radio
>
> > In other words, to try to cover up their impotence in dealing with the
> > sharks, they plan to make a big show of beating the crap out of the
> guppies.
> > Wonderful concept! No wonder young people feel such total contempt for
> > government.
>
> Jim, that is unmitigated crap. Are you suggesting that, since the cops
> can't stop every crime, they shouldn't mind the legalization of any
> technology that makes committing a crime easier? That's exactly what
> I'm talking about, and it has nothing to do with "sharks" and "guppies."

And I was talking (as well you know) about the immorality of the FCC using
beating up on us guppies as a smokescreen to hide the fact they can't/won't
deal with the sharks. In fact, by failing to deal with the shark class
violations, they encourage guppy class violations. If they'd deal with the
sharks, the guppies would take the hint.

> > Are we to infer from your constant references to the fact that you
> > participate in the ARRL program to educate the FCC on what's happening in
> the
> > real world that the League approves of this FCC "Whack the Guppies"
> policy?
>
> Attacking the messenger because you dislike the message adds nothing
> useful to this discussion.

Neither does your predilection for trying to drag red herrings across the
path of everyone who is less than totally thrilled with the way the League
mismanages things.

> Also, as you very well know, my postings
> here do not represent official League policy.
> If people insist on
> taking
> anything any ARRL staffer or official says as "League policy," how
> can there be any dialogue between the officials/staff and the members?

Then why do your postings in this thread contain repeated references to your part in the briefing of FCC staff members by ARRL staff members? If you're not speaking for the League, why drag its name into the conversation to lend credibility to your statements?

> (For some reason, I'm really starting to warm up to the idea of
> rec.ham-radio.legal. Although rec.ham-radio.flame seems more
> apropos.)

Right. Brand everyone who disagrees with Newington as troublemakers and segregate them into some ghetto where noone will notice when they ask embarrassing questions like, "Now that the loss of 220 - 222 mhz is final, who was it at HQ who failed to see to it that the FCC technical people had constantly updated rather than outdated ARRL repeater directories?"

The S.S. Ham Radio has hit another iceberg and is sinking by the bow, but by God, the officers on the bridge are in full uniform and saluting in proper Bristol fashion to the very end.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -33470711279571106
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,83ec141b3d1d3586
X-Google-Attributes: gid114aac,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-Thread: fddbf,83ec141b3d1d3586
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-08 13:17:45 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.radio.shortwave,rec.ham-radio,rec.ham-radio.packet,news.groups
Subject: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <689.27612B4F@w8grt.fidonet.org>
Date: 8 Dec 90 21:17:45 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 17
Xref: gmdzi rec.radio.shortwave:3083 rec.ham-radio:17611 rec.ham-radio.packet:3184 news.groups:23422
Posted: Sat Dec 8 22:17:45 1990

In article <1403@necis.UUCP> rbono@necis.UUCP (NM1D) writes:

> Basically, what I am saying is that all references to the slang 'HAM'
> should be changed to 'AMATEUR'.... therefore 'rec.radio.ham' becomes
> 'rec.radio.amateur' and so on.   This will not cause confusion on anyones
> part.

> I think that only 'hams' know what the term 'ham' radio really means.

I'm not arguing against changing the name, but at the same time I think you underestimate the degree to which 'radio ham' has over the decades become a widely understood term among non-hams.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 472354499844716270
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-08 13:20:59 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!ubc-cs!van-bc!zaphod.mps.ohio-state.edu!rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <oHqVT4w163w@phoenix.com>
Date: 8 Dec 90 21:20:59 GMT
References: <340@adept.UUCP>
Organization: One Man Brand
Lines: 39
Posted: Sat Dec 8 22:20:59 1990

alan@adept.UUCP (Alan Ruffer) writes:

> This is utter nonsense! One groups administrative problems, either
> real or perceived, do NOT constitute a logical justification for opposing
> real progress which is needed in this case.

What is the real progress? Changing the name from rec.ham-radio to rec.radio.amateur is not progress of any kind, much less "real". It is just "change".

Since there was an affirmative reply to the post of one site against it, then there are obviously TWO sites. If there are TWO, then there are probably more.

In fact, EVERY site will have to go through the trouble of changing the newsgroup names, feed and fed information, etc. All for what? A simple name change? Will this happen without incident? Ha ha ha.

The only real change is the addition of a .rules or .legal subgroup, which could be done WITHOUT any other name change.

Your post is yet another wild claim of perceived benefit with no justification provided, and it the only utter nonsense here. I have asked several times for a real justification for this change, and NOBODY has answered. The only "reason" so far is "it's a new name". So what?

Will it stop the cross posts? Hardly. Does it describe anything better? No. Will it change ANYTHING, other than the name? Ha ha ha. No.

Your claim that a name change is real progress is the same as claiming that all New York City needs to do to solve it's problems is rename itself to South Bend, Indiana.

<> "If winning is not important, then why keep score?" -- Turtle Head
<> "Eaten any good books lately?" -- Q
<> "Sanity check!" "Sorry, we can't accept it, it's from out of state." - me

From 4601774463611105531
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6559d7ace492d723,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f9437,6559d7ace492d723,start
X-Google-Attributes: gidf9437,public
X-Google-Thread: fddbf,6559d7ace492d723,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-08 13:33:46 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.radio.shortwave,rec.ham-radio,rec.ham-radio.packet,news.groups
Subject: Internet-Packet Reply (LONG!)
Message-ID: <690.27612B54@w8grt.fidonet.org>
Date: 8 Dec 90 21:33:46 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 24
Xref: gmdzi rec.radio.shortwave:3082 rec.ham-radio:17610 rec.ham-radio.packet:3183 news.groups:23421
Posted: Sat Dec 8 22:33:46 1990

> From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
> Date: 7 Dec 90 13:10:48 GMT
> Organization: University of Texas Medical School at Houston
> Message-ID: <4437@lib.tmc.edu>
> Newsgroups: rec.ham-radio
>
> Jim, I'm hardly in the class of ivory-tower technical tinkerer. I intend
> to participate in rec.{ham-radio,radio.ham,radio.amateur}.legal. I do
> recognize that not all readers of this group do, though.
>
> Jon, this is the kind of thing that should go in .legal. Glad to see

> that
> it's making an impression. .flame would be ideal, but would never fly in
> the newsgroup creation process.

Fine, but if you come to me after Phil finishes his Phatasmagorical Data Engine and ask "How come we got no bands to use it in?", am I ever going to unload on you!! [:-)*

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 5911643306728119161
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,adb1989d5bbbb806,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-08 13:37:42 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!shelby!agate!ucbvax!blackbird.afit.af.mil!tkelso
From: tkelso@blackbird.afit.af.mil (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9012082137.AA28889@blackbird.afit.af.mil>
Date: 8 Dec 90 21:37:42 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 483
Posted: Sat Dec 8 22:37:42 1990

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```
- Current NASA Prediction Bulletins #780 -
Alouette 1
1 00424U 62B-A  1 90338.82814058  .00000191  00000-0  21954-3 0  3752
2 00424  80.4628 117.8427 0022817 192.4993 167.5589 13.67422345406016
ATS 3
1 03029U 67111  A 90339.14260326 -.00000073  00000-0  99999-4 0  4779
2 03029  13.3909  19.6448 0029090 275.7352  83.9619  1.00272822 84501
Cosmos 398
1 04966U 71 16  A 90339.88542208  .00083064  18486-4  42048-3 0  2784
2 04966  51.5000 159.2357 2159759 117.6295 266.0158 11.30615782610895
Starlette
1 07646U 75010  A 90335.88854247 -.00000014  00000-0  36037-4 0  1757
2 07646  49.8275 216.7615 0206099  24.9963 336.0748 13.82146872798970
LAGEOS
```

```
1 08820U 76039  A 90327.36201037  .00000005  00000-0  00000 0 0  1734
2 08820 109.8607  49.6501 0044577 204.5831 155.2832  6.38664514 84108
GOES 2
1 10061U 77048  A 90332.15058584 -.00000259  00000-0  99999-4 0  5270
2 10061   8.4220  61.7662 0004740 205.0021 155.2360  1.00277164 50655
IUE
1 10637U 78012  A 90337.27050364 -.00000184  00000-0  99999-4 0  1810
2 10637  32.5712 116.2254 1423786 357.8872   1.4170  1.00254357  8155
GPS-0001
1 10684U 78020  A 90334.97174830  .00000005  00000-0  99999-4 0  5804
2 10684  63.8019  84.3962 0123996 198.0162 161.5371  2.00555022 79198
GPS-0002
1 10893U 78 47  A 90340.44608576 -.00000023  00000-0  00000 0 0  2801
2 10893  64.3126 325.0735 0168515  24.0958 336.6757  2.00538321 92129
GOES 3
1 10953U 78062  A 90332.47620674  .00000111  00000-0  99999-4 0    98
2 10953   7.3459  64.4636 0008631 111.2223 248.7362  1.00276440  6560
SeaSat 1
1 10967U 78064  A 90338.45251554  .00000867  00000-0  34038-3 0  4359
2 10967 108.0200 311.6361 0002688 259.9783 100.1069 14.36044257650895
GPS-0003
1 11054U 78093  A 90339.71207989 -.00000022  00000-0  00000 0 0  3320
2 11054  63.8308 321.3043 0060151 120.2102 240.3858  2.00570198 89120
Nimbus 7
1 11080U 78098  A 90331.75903241  .00000113  00000-0  13210-3 0  7239
2 11080  99.1825 232.8491 0009491  10.2555 349.8789 13.83478297610654
GPS-0004
1 11141U 78112  A 90332.84358076  .00000005  00000-0  00000 0 0   899
2 11141  63.6181  84.1977 0054504 316.3449  43.1939  2.00550809 87686
GPS-0005
1 11690U 80 11  A 90332.48555931  .00000007  00000-0  00000 0 0   788
2 11690  64.2773  86.5481 0120605 202.3340 157.1432  2.00553954 93534
GPS-0006
1 11783U 80 32  A 90335.28231685 -.00000022  00000-0  99999-4 0  2973
2 11783  63.6327 320.9681 0151681  60.0513 301.4458  2.00561290 77672
GOES 5
1 12472U 81049  A 90338.33692080  .00000052  00000-0  99999-4 0   146
2 12472   3.9091  73.5182 0001395 225.0575 134.3898  1.00210732 33930
SME
1 12887U 81100  A 90341.11792694  .00105340  00000-0  82756-3 0  9783
2 12887  97.6100  40.9860 0002114  54.5242 305.6282 15.71189043508219
Salyut 7
1 13138U 82 33  A 90339.95439367  .00151724  00000-0  54130-3 0  6681
2 13138  51.5958 142.5596 0002348 230.2046 130.2164 15.87911632491898
Cosmos 1383
1 13301U 82 66  A 90335.10152370  .00000038  00000-0  37639-4 0  6753
2 13301  82.9307 178.4466 0029112  60.7736 299.6296 13.67862259420490
LandSat 4
1 13367U 82 72  A 90340.14294771  .00000995  00000-0  23044-3 0  5973
2 13367  98.1432  39.0925 0003322 336.3217  23.7849 14.57162629446349
IRAS
1 13777U 83  4  A 90334.50980257 -.00000105  00000-0 -60552-4 0  8781
2 13777  99.0161 168.6757 0012562 291.4455  68.5373 13.98846771 70192
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Cosmos 1447
1 13916U 83 21  A 90324.24439149  .00000161  00000-0  15871-3 0  7719
2 13916  82.9436 256.6750 0039850  65.0297 295.4995 13.74078643384101
TDRS 1
1 13969U 83 26  B 90337.45289585  .00000127  00000-0  99999-4 0  2009
2 13969   4.8674  64.3744 0003257 179.7410 180.0166  1.00271082  1041
GOES 6
1 14050U 83 41  A 90333.37778749  .00000082  00000-0  99999-4 0  3359
2 14050   2.5602  73.7894 0008428 202.1333 156.3034  1.00372978  1810
OSCAR 10
1 14129U 83 58  B 90332.25271924 -.00000024  00000-0  00000 0 0  6241
2 14129  25.9882 173.0385 5961522 196.0096 131.0667  2.05881458 28118
GPS-0008
1 14189U 83 72  A 90329.73091121  .00000004  00000-0  99999-4 0  8778
2 14189  63.4510  82.8048 0145134 222.1165 136.7603  2.00569165 54000
LandSat 5
1 14780U 84 21  A 90341.13433362  .00001618  00000-0  36938-3 0  4518
2 14780  98.2618  38.4900 0000319 218.7467 141.3713 14.57088339359902
UoSat 2
1 14781U 84 21  B 90335.55305131  .00001166  00000-0  22148-3 0  8846
2 14781  97.9297  22.4855 0013627  75.6379 284.6332 14.65920432360483
GPS-0009
1 15039U 84 59  A 90336.88283105  .00000004  00000-0  00000 0 0  1333
2 15039  63.1859  81.7207 0025471 223.3716 136.4199  2.00567284 47424
Cosmos 1574
1 15055U 84 62  A 90338.90295746  .00000107  00000-0  10295-3 0    79
2 15055  82.9538 296.4544 0026092 206.4333 153.5485 13.73393793323509
GPS-0010
1 15271U 84 97  A 90339.31866537 -.00000023  00000-0  00000 0 0  9813
2 15271  63.1288 320.3088 0110552 328.9903  30.3524  2.00561568 44589
Cosmos 1602
1 15331U 84105  A 90336.11902109  .00001925  00000-0  25686-3 0  4379
2 15331  82.5434 205.1801 0023639 138.3986 221.9012 14.78912588332906
NOAA 9
1 15427U 84123  A 90334.21373281  .00000269  00000-0  16592-3 0  6780
2 15427  99.1723 337.9666 0014282 262.8752  97.0796 14.12739035307420
Cosmos 1686
1 16095U 85 86  A 90340.83535026  .00128573  00000-0  45427-3 0  8525
2 16095  51.5946 137.9416 0001131 245.4293 114.8497 15.88181288492031
GPS-0011
1 16129U 85 93  A 90339.53721275  .00000005  00000-0  00000 0 0  6889
2 16129  63.9907  82.7770 0123187 148.1780 212.5950  2.00564029 37795
Mir
1 16609U 86 17  A 90339.61779053  .00010083  00000-0  12788-3 0  1326
2 16609  51.6082 187.0670 0024323 331.0261  28.9410 15.59804654274874
SPOT 1
1 16613U 86 19  A 90340.13827303  .00000514  00000-0  25884-3 0  1895
2 16613  98.7191  52.2117 0001682  64.6789 295.4581 14.20044847 88339
Cosmos 1766
1 16881U 86 55  A 90339.28602300  .00003841  00000-0  52156-3 0  2477
2 16881  82.5231 261.0805 0022345 144.8822 215.3837 14.78465098234420
EGP
1 16908U 86 61  A 90336.34015542 -.00000007  00000-0  25205-3 0  3258
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2 16908  50.0076  99.0487 0011214 262.7504  97.2056 12.44391646195796
NOAA 10
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2 16969  98.5851   0.0477 0013827 138.2225 222.0014 14.23812012218489
MOS-1
1 17527U 87 18  A 90335.20226930  .00000524  00000-0  41537-3 0  7251
2 17527  99.0949  45.4798 0000914  72.1885 287.9560 13.94871069192542
GOES 7
1 17561U 87 22  A 90338.09742548 -.00000044  00000-0  99999-4 0  6918
2 17561   0.1225  73.8910 0004887 258.9986  27.1626  1.00267218  7271
Kvant-1
1 17845U 87 30  A 90340.83502259  .00054280  00000-0  65387-3 0  4056
2 17845  51.6096 180.9460 0024217 335.1915  24.6615 15.59900295209791
DMSP B5D2-3
1 18123U 87 53  A 90341.11782495  .00000172  00000-0  99999-4 0  7933
2 18123  98.8125 169.3975 0013748 249.2183 110.7524 14.14238699178847
RS-10/11
1 18129U 87 54  A 90340.84520805 -.00000256  00000-0 -28796-3 0  4527
2 18129  82.9256 200.9596 0011867   7.2432 352.8857 13.72127427173125
Meteor 2-16
1 18312U 87 68  A 90338.98315417  .00000219  00000-0  18868-3 0  5830
2 18312  82.5522 154.9259 0012514 128.1537 232.0721 13.83705428166603
Meteor 2-17
1 18820U 88  5  A 90339.12877307  .00000155  00000-0  12802-3 0  4339
2 18820  82.5438 214.5583 0015510 201.8766 158.1733 13.84399094143838
DMSP B5D2-4
1 18822U 88  6  A 90341.13899724  .00000493  00000-0  24172-3 0  7378
2 18822  98.6223 216.3693 0007253 124.1007 236.0864 14.21655449147399
Glonass 34
1 19163U 88 43  A 90338.48738936  .00000020  00000-0  99999-4 0   985
2 19163  64.9150 153.4306 0007121 180.5167 179.4957  2.13102606 19775
Glonass 36
1 19165U 88 43  C 90339.48292821  .00000020  00000-0  00000 0 0  1033
2 19165  64.8978 153.3964 0003416 349.8488  10.1515  2.13102551 19794
AO-13
1 19216U 88 51  B 90317.50267394 -.00000201  00000-0  99999-4 0  2241
2 19216  56.9436 126.0467 7064813 240.2087  32.9306  2.09704510 18530
OKEAN 1
1 19274U 88 56  A 90338.13405556  .00001750  00000-0  24020-3 0   100
2 19274  82.5153   0.8674 0019837 289.7417  70.1742 14.77740903130018
Meteor 3-2
1 19336U 88 64  A 90338.98431303  .00000032  00000-0  70774-4 0  6825
2 19336  82.5444 156.6061 0015994 247.9183 112.0262 13.16906714113432
Glonass 39
1 19503U 88 85  C 90339.50261429 -.00000017  00000-0  99999-4 0   102
2 19503  65.3921  32.8326 0006202 197.6010 162.4359  2.13103272 17283
NOAA 11
1 19531U 88 89  A 90339.61449981  .00000519  00000-0  30517-3 0  4335
2 19531  99.0050 288.2985 0012566 157.6404 202.5318 14.11814586113154
TDRS 2
1 19548U 88 91  B 90329.30686870  .00000113  00000-0  99999-4 0  2238
2 19548   0.5126  82.0257 0002691 157.3411 120.6510  1.00269860  1870
Glonass 40
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1 19749U 89  1  A 90340.48213279  .00000020  00000-0  99999-4 0  8035
2 19749  64.8615 153.0333 0004851 270.4839  89.4662  2.13102069 14836
Glonass 41
1 19750U 89  1  B 90340.54036976  .00000020  00000-0  99999-4 0  8558
2 19750  64.8747 153.0400 0004724 236.2839 123.6768  2.13102308 14832
GPS BII-01
1 19802U 89 13  A 90329.93757079  .00000017  00000-0  99999-4 0  2272
2 19802  55.0436 191.0354 0052186 161.3502 198.9452  2.00552127 12991
Akebono
1 19822U 89 16  A 90340.55477953  .00015376  00000-0  10817-2 0  8526
2 19822  75.0711 153.8658 4131826 111.1990 297.2439  7.18788911 12153
Meteor 2-18
1 19851U 89 18  A 90338.78386183  .00000191  00000-0  16196-3 0  3831
2 19851  82.5178  92.5462 0013077 246.7334 113.2448 13.84029996 89160
MOP-1
1 19876U 89 20  B 90309.87822950  .00000020  00000-0  99999-4 0  1715
2 19876   0.0696 240.9900 0003781 209.4564 269.9567  1.00274378  2083
TDRS 3
1 19883U 89 21  B 90330.93077829 -.00000234  00000-0  99999-4 0  2227
2 19883   0.5344  81.7139 0003363 155.9382 122.4370  1.00274132 76523
GPS BII-02
1 20061U 89 44  A 90340.73982537 -.00000033  00000-0  99999-4 0  2308
2 20061  54.8439   8.8242 0089735 181.8866 178.1193  2.00567333 10952
Nadezhda 1
1 20103U 89 50  A 90338.98615394  .00000106  00000-0  10233-3 0  2819
2 20103  82.9620 159.1040 0036780 284.7502  74.9587 13.73628856 71161
GPS BII-03
1 20185U 89064  A 90302.75012221  .00000042  00000-0  00000-0 0 01467
2 20185 054.9239 192.9528 0022428 161.3420 240.3729 02.00578277008778
GPS BII-04
1 20302U          90304.15728615 -.00000046          -68427+2 0  1700
2 20302  54.5417 311.5245 0033626 314.8971  44.9144  2.00365710  7590
Meteor 3-3
1 20305U 89 86  A 90339.14659280  .00000063  00000-0  14986-3 0  2791
2 20305  82.5523  97.4392 0015058 261.0736  98.8683 13.15868142 53431
COBE
1 20322U 89 89  A 90340.59539834  .00000421  00000-0  29441-3 0  2325
2 20322  99.0210 349.2296 0008549 246.3485 113.6810 14.02925102 53661
Kvant-2
1 20335U 89 93  A 90340.83499829  .00090318  00000-0  10779-2 0  5050
2 20335  51.6146 180.9478 0024598 335.3896  24.3268 15.59918658 58724
GPS BII-05
1 20361U 89 97  A 90335.64130169  .00000014  00000-0  99999-4 0  1227
2 20361  55.0040 133.7111 0065137  56.6318 303.9824  2.00584067  7082
SPOT 2
1 20436U 90  5  A 90340.10324061  .00000777  00000-0  38270-3 0  4340
2 20436  98.7200  52.2465 0000599  90.8803 269.2592 14.20045810 45142
UO-14
1 20437U 90  5  B 90336.25520726  .00000407  00000-0  17750-3 0  2795
2 20437  98.6888  51.7676 0012043  25.5888 334.5823 14.28801774 44865
UO-15
1 20438U 90  5  C 90337.08268125  .00000229  00000-0  10712-3 0  1769
2 20438  98.6896  52.5384 0010867  24.2597 335.9086 14.28489138 44979
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1 20439U 90  5  D 90335.11263388  .00000335  00000-0  14865-3 0  1781
2 20439  98.6925  50.8367 0012376  30.9782 329.2126 14.28898564 44701
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1 20440U 90  5  E 90333.49227820  .00000376  00000-0  16477-3 0  1789
2 20440  98.6925  49.2450 0012547  35.7179 324.4839 14.28955090 44471
WO-18
1 20441U 90  5  F 90335.64154384  .00000305  00000-0  13614-3 0  1785
2 20441  98.6924  51.4239 0012978  30.2669 329.9261 14.29036742 44781
LO-19
1 20442U 90  5  G 90338.07680588  .00000321  00000-0  14271-3 0  1795
2 20442  98.6916  53.8858 0013281  22.9983 337.1790 14.29110901 45139
GPS BII-06
1 20452U 90  8  A 90340.01436593  .00000003  00000-0  99999-4 0  1395
2 20452  54.4889 248.9615 0037244  42.5298 317.8928  2.00659940  6298
MOS-1B
1 20478U 90 13  A 90335.23336991 -.00000294  00000-0 -20544-3 0  4754
2 20478  99.1766  44.6096 0000301  38.4478 321.6318 13.94844835 41422
DEBUT
1 20479U 90 13  B 90340.48098708  .00000039  00000-0  13579-3 0  1740
2 20479  99.0208 354.3193 0541346  18.2699 343.7045 12.83165844 38849
FO-20
1 20480U 90 13  C 90325.59380162  .00000066  00000-0  19792-3 0  1726
2 20480  99.0226 342.2701 0541585  52.0494 312.8281 12.83156346 36930
MOS-1B R/B
1 20491U 90 13  D 90340.46945079 -.00000400  00000-0 -73079-3 0  1794
2 20491  99.0179   2.8148 0470549 347.5423  11.4424 13.02757024 38832
LACE
1 20496U 90 15  A 90340.59280793  .00008200  00000-0  46763-3 0  3572
2 20496  43.0943  94.0045 0017149 346.8168  13.2564 15.12959029 44693
RME
1 20497U 90 15  B 90340.50982571  .00014052  00000-0  34158-3 0  4047
2 20497  43.1039  30.0487 0019007  31.5838 328.6222 15.40661954 45376
Nadezhda 2
1 20508U 90 17  A 90338.36185877  .00000096  00000-0  96086-4 0  2317
2 20508  82.9526 294.4245 0043168 231.4124 128.3158 13.73249822 38367
OKEAN 2
1 20510U 90 18  A 90337.96794478  .00001585  00000-0  23823-3 0  3839
2 20510  82.5245 301.2921 0021810  83.2875 277.1031 14.73788588 41071
INTELSAT-6
1 20523U 90 21  A 90340.03006840  .00003597  00000-0  24686-3 0  4034
2 20523  28.3401 217.1358 0015370 218.4174 141.5289 15.03097288 40324
GPS BII-07
1 20533U 90 25  A 90294.05687607 -.00000033  00000-0  00000 0 0   630
2 20533  55.1450  10.8449 0034235 102.6965 257.7562  2.00556242  4124
PegSat
1 20546U 90 28  A 90340.33506286  .00012821  00000-0  74172-3 0  3548
2 20546  94.1269 306.7333 0146081  72.1970 289.5578 15.03586986 35925
HST
1 20580U 90 37  B 90340.02319977  .00004316  00000-0  47102-3 0  3555
2 20580  28.4690 235.5074 0006177 116.9116 243.2085 14.85651529 33543
Glonass 44
1 20619U 90 45  A 90339.44485639 -.00000017  00000-0  99999-4 0  3029
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2 20619  64.9908  33.0808 0024128 215.1292 144.7741  2.13103066  4270
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1 20620U 90 45  B 90340.50123270 -.00000017  00000-0  99999-4 0  3086
2 20620  64.9885  33.0485 0005826  33.1569 326.9363  2.13102971  4308
Glonass 46
1 20621U 90 45  C 90341.02907080 -.00000017  00000-0  99999-4 0  2588
2 20621  65.0042  33.0376 0014699 205.7419 154.2441  2.13102787  4319
Kristall
1 20635U 90 48  A 90340.83501295  .00054401  00000-0  65387-3 0  3031
2 20635  51.6031 180.9396 0026205 333.5249  26.2560 15.59895795 29605
ROSAT
1 20638U 90 49  A 90339.56302347  .00003291  00000-0  29030-3 0  1427
2 20638  52.9914   9.4808 0016730 132.1365 228.1068 14.98904807 27970
Meteor 2-19
1 20670U 90 57  A 90339.00303216  .00000110  00000-0  93516-4 0  1324
2 20670  82.5432 153.0820 0015587 164.1688 195.9965 13.83880956 22144
BADR-1
1 20685U 90 59  A 90340.82806041  .03717939 -36248-4  47222-3 0  2573
2 20685  28.4698  32.5426 0082674 302.5349  56.7649 16.24780061 22113
CRRES
1 20712U          90340.32725907  .00001286  00000-0  13353-2 0   796
2 20712  18.2792 352.6276 7123766 301.1939   7.9537  2.43608107  3276
Soyuz TM-10
1 20722U 90 67  A 90340.83502157  .00054347  00000-0  65387-3 0  2057
2 20722  51.6057 180.9429 0025312 337.6096  22.2238 15.59899427 19906
GPS BII-08
1 20724U 90 68  A 90334.29055009  .00000016  00000-0  99999-4 0   736
2 20724  54.7131 189.6322 0096546 119.2262 241.8381  2.00563577  2376
Feng Yun1-2
1 20788U 90 81  A 90335.09928359  .00000400  00000-0  29266-3 0   766
2 20788  98.9362   7.8027 0010856  18.3855 341.7693 14.00587223 12477
Progress M5
1 20824U 90 85  A 90331.92887466  .00048606  00000-0  59634-3 0  1451
2 20824  51.6236 225.7432 0024783 304.9199  54.8238 15.59451695  9600
Meteor 2-20
1 20826U 90 86  A 90338.35466112  .00000140  00000-0  11820-3 0   825
2 20826  82.5249  92.8414 0014798  65.6384 294.6323 13.83241965  9278
GPS BII-09
1 20830U 90 88  A 90324.35684874  .00000014  00000-0  99999-4 0   738
2 20830  54.8999 132.3928 0078741 116.6973 244.1323  2.00565588  1253
1990 094E
1 20927U 90 94  E 90336.23578693  .00002190  00000-0  18722-2 0   250
2 20927  47.2637 263.9969 7259384   7.5415 359.0705  2.27554824   687
1990 094F
1 20928U 90 94  F 90340.12350500  .00006632  00000-0  18576-2 0   307
2 20928  47.1801 262.7545 7280663   8.7264 359.0064  2.28164948   779
Cosmos 2103
1 20933U 90 96  A 90339.72216338  .00008209  00000-0  13959-3 0   391
2 20933  65.0070 113.8965 0009980 272.7104  87.3424 15.52049844  3338
Cosmos 2104
1 20936U 90 98  A 90337.54297737  .00176532  14173-4  10450-3 0   428
2 20936  62.8067 186.2437 0040243 124.1033 236.2909 16.16305856  2711
1990 098B
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1 20937U 90 98  B 90339.16560150  .45666312  44220-4  23317-3 0   512
2 20937  62.7722 179.8594 0014853 176.9821 184.2132 16.54761690  2960
Cosmos 2105
1 20941U 90 99  A 90340.57062144 -.00000940  00000-0  26550-2 0   195
2 20941  63.2239  43.0474 7376040 318.7294   4.6546  2.00686296   336
1990 099B
1 20942U 90 99  B 90340.37630280  .00782734  11217-4  11614-2 0   240
2 20942  62.9789 345.4845 0201713 118.2972 243.9124 15.76417110  2557
1990 099C
1 20943U 90 99  C 90340.76985655  .10737128  41386-4  43696-3 0   405
2 20943  62.9916 342.4101 0066640 118.8354 242.1905 16.32984895  2640
1990 099D
1 20944U 90 99  D 90340.37073899  .00000223  00000-0  55711-3 0    55
2 20944  63.1197  43.2596 7320599 318.7187   4.6895  2.03534111   346
SATCOM I
1 20945U 90100  A 90339.99999998  .00000124  00000-0  99999-4 0   138
2 20945   0.1272 261.6480 0001637  14.6050  21.1420  1.00268231    07
GSTAR IV
1 20946U 90100  B 90340.39999998  .00000065  00000-0  99999-4 0    94
2 20946   0.0389  69.7940 0006310 157.4910 226.6510  1.00262754    04
1990 100C
1 20947U 90100  C 90339.69903833  .00007927  00000-0  36712-2 0    84
2 20947   7.2176 214.3349 7281002 190.5978 135.2796  2.26810644   323
1990 100D
1 20948U 90100  D 90332.12842225  .00248441  00000-0  31672-1 0    79
2 20948   6.9820 217.8693 7267049 184.2197 163.1356  2.31653400   158
Molniya1-79
1 20949U 90101  A 90340.29050194 -.00000489  00000-0 -63739-2 0   197
2 20949  62.8439  67.4104 7370625 288.1269   9.4967  2.00690130   271
1990 101B
1 20950U 90101  B 90339.75221304  .00715241  10159-4  12165-2 0   229
2 20950  62.8041  22.7885 0220969 123.9700 238.3371 15.70651771  1964
1990 101C
1 20951U 90101  C 90340.28618025  .01937562  38139-4  95128-3 0   323
2 20951  62.8343  20.3201 0208919 115.7270 246.5328 15.87370299  2053
1990 101D
1 20952U 90101  D 90340.40809099  .00000089  00000-0 -52747-3 0    70
2 20952  62.8591  67.3171 7401866 288.0728   9.3506  1.97032955   265
Gorizont 22
1 20953U 90102  A 90330.40304860 -.00000011  00000-0  99999-4 0    51
2 20953   1.4563 271.9443 0013311 100.5974 262.2792  0.97641033    42
1990 098F
1 20956U 90 98  F 90340.67332689  .07228362  10468-4  70601-2 0    77
2 20956  62.8080 173.9781 0065272 351.6988   7.2995 16.06401068  3216
1990 102E
1 20957U 90102  E 90340.21856596  .00001639  00000-0  21052-2 0   108
2 20957  47.3066 268.6343 7293172   3.3562 359.5699  2.22085333   254
1990 102F
1 20958U 90102  F 90338.84739005  .00003825  00000-0  20807-2 0    94
2 20958  47.2599 268.9753 7312338   3.0398 359.6154  2.22515949   240
GPS BII-10
1 20959U 90103  A 90340.70601393  .00000016  00000-0  00000 0 0   125
2 20959  54.9016 190.9416 0041393 213.1876 137.9413  2.00557106   172
```

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1990 103B
1 20960U 90103  B 90337.99532572  .00008406  00000-0  70732-3 0    96
2 20960  21.4212 134.6566 0155234 263.5072  94.7677 14.86315986  1054
1990 103C
1 20961U 90103  C 90337.66913116  .00110632  52462-5  19940-2 0   168
2 20961  34.6130 179.3534 6051348 199.9239 119.9467  4.05567521   280
1990 104A
1 20966U 90104  A 90339.75671436  .00008764  00000-0  49507-3 0   130
2 20966  82.5055 335.6746 0013277 275.6939  84.2862 15.12915685  1076
1990 104B
1 20967U 90104  B 90341.01264456  .00004187  00000-0  23502-3 0   168
2 20967  82.5056 334.4395 0012739 273.4507  86.5272 15.13034337  1262
1990 104C
1 20975U 90104  C 90340.45302994  .00134209  00000-0  60766-2 0    64
2 20975  82.5343 334.9767 0023494 357.3680   4.7128 15.20047606  1175
1990 104D
1 20976U 90104  D 90340.45756805  .00130444  00000-0  60863-2 0    75
2 20976  82.4789 334.8716 0018334 346.0505  15.9393 15.19121928  1176
1990 104E
1 20977U 90104  E 90339.15676793  .00095403  00000-0  51102-2 0    79
2 20977  82.5238 336.2841 0007721 277.2157  82.8161 15.14554043   974
1990 105A
1 20978U 90105  A 90341.16613553  .00001376  00000-0  52715-3 0   146
2 20978  98.8582   9.5865 0081322 341.3347  18.4868 14.30409418   797
1990 105B
1 20979U 90105  B 90335.85003353 -.00000052  00000-0 -10171-4 0    16
2 20979  98.8765   4.2096 0095350 358.7226   3.2756 14.33113285    35
STS 35
1 20980U 90106  A 90340.71451300  .00053642  00000-0  37954-3 0   129
2 20980  28.4668 332.8436 0011228 341.6274  18.4530 15.72433683   705
Soyuz TM-11
1 20981U 90107  A 90340.83503658  .00033237  00000-0  40499-3 0   124
2 20981  51.6134 180.9345 0022011 328.4375  31.5483 15.59895561   716
1990 105C
1 20983U 90105  C 90337.08457626  .00209153  00000-0  35988-1 0    04
2 20983  98.8291   5.4950 0197371 357.4131   2.5925 14.55499061   216
1990 105D
1 20984U 90105  D 90340.64237750  .00027238  00000-0  39754-2 0    58
2 20984  98.9484   9.3507 0220376 343.0270  16.3659 14.60498766   731
1990 108A
1 20985U 90108  A 90339.76521560  .00078243  00000-0  12797-2 0    70
2 20985  65.0132 113.7922 0009955 268.6295  91.3913 15.52023343   277
1990 108B
1 20986U 90108  B 90338.58161013  .29063209  36629-4  16227-3 0    62
2 20986  64.9836 117.5536 0071556  60.2393 301.2550 16.46302922   100
1990 105E
1 20987U 90105  E 90337.97924624 -.00171546  00000-0 -28454-1 0    09
2 20987  98.8185   6.5202 0226032 351.8690   9.0252 14.56268526   350
1990 105F
1 20988U 90105  F 90338.05017377  .00000504  00000-0  99999-4 0    06
2 20988  98.8328   6.5028 0186681 354.4551   8.5660 14.54225185   366
1990 105G
1 20989U 90105  G 90337.29400146  .00000484  00000-0  99999-4 0    09
```

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2 20989  98.8389   5.7042 0185476 358.9690   1.1430 14.52697379   242
1990 105H
1 20990U 90105  H 90340.02758831  .00464715  00000-0  65458-1 0    71
2 20990  98.9108   8.6654 0205698 346.3097  13.4963 14.61527569   651
1990 105J
1 20991U 90105  J 90340.53929036  .00057511  00000-0  52150-2 0    51
2 20991  98.9253   9.3192 0271360 348.1424  11.3547 14.71041907   722
1990 105K
1 20992U 90105  K 90338.04260715  .00000587  00000-0  99999-4 0    07
2 20992  98.8375   6.4625 0207981 355.7428   2.6535 14.57981860   299
1990 105L
1 20993U 90105  L 90337.29702487  .00000440  00000-0  99999-4 0    09
2 20993  98.8808   5.7268 0173636 357.8948   2.1512 14.49900011   251
1990 098G
1 20994U 90 98  G 90340.87698918  .01629483  41479-4  52704-3 0    97
2 20994  62.8063 172.7699 0029140 121.3733 239.3317 16.24454096  3257
1990 098H
1 20995U 90 98  H 90338.65560779  .06173369  41211-4  23394-2 0    14
2 20995  62.8105 181.7710 0033060 121.3826 239.0765 16.22247289  2893
1990 098J
1 20996U 90 98  J 90338.59461859  .00452654  42071-4  10450-3 0    13
2 20996  62.7906 181.9816 0010908  40.0310 331.3245 16.29425726  2881
1990 105L
1 20997U 90105  L 90338.04103248  .00490309  00000-0  68477-1 0    19
2 20997  98.8010   6.5163 0212012 355.6574  12.3520 14.61003441   365
1990 105M
1 20998U 90105  M 90341.05769937  .00266982  00000-0  39243-1 0    48
2 20998  98.8823   9.7500 0207403 344.9963  14.5421 14.60562784   801
1990 105N
1 20999U 90105  N 90340.51686921  .00356847  00000-0  56447-1 0    45
2 20999  98.7955   9.1155 0195599 348.3494  11.3589 14.58450107   729
1990 109A
1 21000U 90109  A 90339.81587820  .00485980  40291-4  28965-3 0    50
2 21000  62.7984 296.8441 0093498 113.7355 247.4148 16.08609929   171
```

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

From 1201089648549609172
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,83ec141b3d1d3586
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-Thread: 114aac,83ec141b3d1d3586
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,83ec141b3d1d3586
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-12-08 13:48:40 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs

From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.radio.shortwave,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,news.groups
Subject: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <691.27612B59@w8grt.fidonet.org>
Date: 8 Dec 90 21:48:40 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 21
Xref: gmdzi rec.radio.shortwave:3084 rec.ham-radio:17612 rec.ham-radio.packet:3185 rec.ham-radio.swap:857 news.groups:23423
Posted: Sat Dec 8 22:48:40 1990

> From: davidsen@crdos1.crd.ge.COM (Wm E Davidsen Jr)
> Date: 7 Dec 90 17:23:39 GMT
> Organization: GE Corp R&D Center, Schenectady NY
> Message-ID: <3011@crdos1.crd.ge.COM>
> Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,
> rec.radio.shortwave,news.groups
>
>   Your right to speak is subordinate to my right to ignore you. Mixing
> in stuff people don't want to read doesn't make them read it, it makes
> them hate it. And makes it harder to find for those who want it.

I'm not arguing with the logic of the mechanics. I'm arguing against the attitude that produced the desire for the new mechanics. I believe that it is dangerous to believe that ignoring the very real political problems we face will make them go away.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -2529958673215335650
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db1d106380df7ba1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-08 13:57:03 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: TVI Problem
Message-ID: <692.27612B5E@w8grt.fidonet.org>
Date: 8 Dec 90 21:57:03 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 15
Posted: Sat Dec 8 22:57:03 1990

> >In rec.ham-radio, sde@larry.sal.wisc.edu (Scott Ellington) writes:

One troubleshooting tactic, strange as it may sound, is to turn the rig on with someone watching the TV set with the TVI, and go about whacking on things metallic. Disturbing the metallic oxide junction should produce a radical change in the TV display.

To avoid being fitted for a sports jacket with wraparound sleeves, do this at night while meowing loudly. On second thought, send someone else to do it.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

```
From 8792331233073994805
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-08 14:04:18 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Another look at Radar Detector Legality for Hams
Message-ID: <693.27612B63@w8grt.fidonet.org>
Date: 8 Dec 90 22:04:18 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 30
Posted: Sat Dec  8 23:04:18 1990
```

```
 > From: tad@ssc.UUCP (Tad Cook)
 > Date: 7 Dec 90 07:11:09 GMT
 > Organization: very little
 > Message-ID: <628@ssc.UUCP>
 > Newsgroups: rec.ham-radio
 >
 > In article <5592@qip.UUCP>, john@qip.UUCP (John Moore) writes:
 > > In article <655.2758ED18@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org
 > (Jim Grubs) writes:
 > >, I can assure you that it is not
 > >> ]uncommon for officers to "run radar" with the full knowledge and intent
 > that
 > > ]tripping fuzzbusters will slow things down.
 >
 > >
 > > This is, however, illegal - if you could ever prove it. The band is
 > > allocated only for radiolocation - not for spoofing or broadcasting.
 > > The FCC busted some police department back east for a similar violation.
 >
 >
 > Did they really?
```

Doubtful. In the first place, how do you prove it? All the police chief has to say is that he was gathering traffic flow statistics.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 6031806748313038218
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-08 16:30:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ncar!noao!arizona!naucse!rrw
From: rrw@naucse.cse.nau.edu (Robert Wier)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <3022@naucse.cse.nau.edu>
Date: 9 Dec 90 00:30:54 GMT
References: <19@shasta.Stanford.EDU>
Followup-To: news.groups
Organization: Northern Arizona University, Flagstaff AZ
Lines: 16
Xref: gmdzi news.groups:23429 rec.ham-radio:17626
Posted: Sun Dec 9 01:30:54 1990

From article <19@shasta.Stanford.EDU>, by paulf@shasta.Stanford.EDU (paulf):
> Jay Maynard and I propose the following reorganization of the rec.ham-radio
> hierarchy:
>

I'd be in favor of this - I hate typing those @*@&!&!(#7#
hyphens...

- Bob Wier

-------------- insert favorite standard disclaimers here ----------
College of Engineering
Northern Arizona University / Flagstaff, Arizona
Internet: rrw@naucse.cse.nau.edu | BITNET: WIER@NAUVAX | WB5KXH
or   uucp: ...arizona!naucse!rrw

From 7943361242498347994
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-08 18:02:02 PST
Path: gmdzi!unido!mcsun!uunet!know!sdd.hp.com!uakari.primate.wisc.edu!ames!sun-

barr!lll-winken!unixhub!shelby!paulf@shasta.Stanford.EDU
From: paulf@shasta.Stanford.EDU (paulf)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <26@shasta.Stanford.EDU>
Date: 9 Dec 90 02:02:02 GMT
References: <340@adept.UUCP> <oHqVT4w163w@phoenix.com>
Organization: The Three Packeteers
Lines: 50
Posted: Sun Dec 9 03:02:02 1990

In article <oHqVT4w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:

> In fact, EVERY site will have to go through the trouble of changing the newsgroup names, feed and fed information, etc. All for what? A simple name change? Will this happen without incident? Ha ha ha.

This is, of course, false. For starters, the vast, vast majority of sites take everything. The next most common layer gets rid of the talk groups, and the one after that, soc and rec. So, the actual number of sites that will have to make adjustments to their distribution file is very small.

About five years ago, USENET went through a very major name reconstruction, for the most part without incident. Frankly, the proposed shift should have been done then, but that's hindsight.

> Your post is yet another wild claim of perceived benefit with no justification provided, and it the only utter nonsense here. I have asked several times for a real justification for this change, and NOBODY has answered. The only "reason" so far is "it's a new name". So what?

I went into this extensively about three months ago. To reiterate, the change is necessary to better integrate the newsgroups into the developing USENET hierarchy. USENET is not a static entity. The population is growing exponentially, and the number of groups is growing linearly with time.   Thus some tendency to order is justified. There is no good justification for RHR's second level domain status, as the tree that is developing under it is directly related to the tree growing in rec.radio. Given that rec.radio is the better organized tree, it only makes sense to direct growth of the smaller tree (RHR, and growth into rec.ham-radio.legal) off of the other tree.

> Will it stop the cross posts? Hardly. Does it describe anything better? No. Will it change ANYTHING, other than the name? Ha ha ha. No.

Empirically not true. While .d groups have not drawn off all of the flames from the mainline groups, they have been for the most part effective. Frankly, the ham subculture of armchair lawyers is pretty well defined (I say that being one of them); there are some people who do NOT want to be part of that subculture. The flames resulting from a few thoughtless crossposts should be enough to pen in the obnoxious.

> Your claim that a name change is real progress is the same as claiming that all New York City needs to do to solve it's problems is rename

>itself to South Bend, Indiana.

Similar claims were made during the aforementioned Great Reorg, as well as the Internet move to domains a few years back. Remember host tables?
Heh, thought so...;-)

-=Paul Flaherty, N9FZX | Without KILL files,
->paulf@shasta.Stanford.EDU | life itself would be impossible.

From -6278168000227772610
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,216506fe5761d0dc,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,216506fe5761d0dc,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-12-08 18:35:29 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!uakari.primate.wisc.edu!dali.cs.montana.edu!masscomp!ocpt!tsdiag!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: * SpaceNews 10-Dec-90 *
Keywords: SAREX, RUDAK-2, MIR, SOYUZ TM-11
Message-ID: <382@ka2qhd.UUCP>
Date: 9 Dec 90 02:35:29 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 122
Xref: gmdzi rec.ham-radio:17658 sci.space:18212
Posted: Sun Dec 9 03:35:29 1990

SB SPACE @ ALLBBS < KD2BD $SPC1210
* SpaceNews 10-Dec-90 *

Bulletin ID: $SPC1210

SpaceNews

MONDAY DECEMBER 10, 1990

SpaceNews originates at KD2BD in Wall Township, New Jersey, United States.
It is published every week and is made available for unlimited distribution.

* SAREX NEWS *

Dr. Ron Parise, WA4SIR, has made hundreds of packet radio contacts with his Amateur Radio station on board the space shuttle Columbia. Telephone bridges were set up to enable school children to talk with the latest ham in space. Ron has also been making some voice contacts. The primary downlink frequency for all SAREX operations has been 145.550 MHz.

* MIR NEWS *
============
Soyuz TM-11 has successfully docked with the Mir space station complex currently on Earth orbit. The Soyuz spacecraft carried Soviet cosmonauts Musa Manarov, Viktor Afanasyev, and Japanese journalist Toyehiro Akiyama.

* OSCAR-21 NEWS *
=================
The launch of AMSAT-21/RM-1/RS-14/RUDAK-2 has been postponed until 07-Jan-91 so that a Soviet official may witness the launch.

* FEEDBACK *
============
From Franklin Antonio:

In article <378@ka2qhd.UUCP> kd2bd@ka2qhd.UUCP (John Magliacane) writes:

>* MINI-TUTORIAL *
>=================
>The first person to investigate elliptical orbits thoroughly was the mathematician and astronomer Kepler. He formulated a set of rules for elliptical orbits and was able to demonstrate that all planets followed such orbits in their motions around the sun. Over 100 years later, orbital elements defined by Kepler are still being used by astronomers and satellite trackers worldwide.

Actually, it was a __long__ time ago. Kepler published his work on elliptical motion in "seu Physica coelestis tradita commetariis de motibus stellae Martis" in 1609! This contained the first two laws: orbits are ellipses, and equal area = equal time. In 1619, he published "De Harmonice Mundi", containing the third law, which relates distance to orbit period. In 1620, his mother was arrested for witchcraft.

So, the basic work was done 371 years ago! This is one of the humbling things about celestial mechanics. I'm sure I wouldn't have been able to figure this out, yet Kepler did it 371 years ago. Obviously, he didn't have computers. Most people don't realize that he didn't even have the benefit of a telescope. The telescope was invented around 1609; Galileo pulblished in 1610. The observations that Kepler used to develop his theory were made by Tycho Brahe, many years earlier.

===

John,

Thank you very much for your Keplerian elements tutorial in SpaceNews (90-12-03). You know, this was the first time I have seen any explanation of what Keplerian element sets actually represent, in sufficent enough detail to permit me (or anyone else, for that matter) to write tracking software.

- William Graham - grahamw@cpsc.ucalgary.ca - 73 de VE6UUG @ VE6YYC -

* TNX QSL! *

A special thanks to all those who sent QSLs, cards and letters to SpaceNews:

KB0CGJ: John Krohn, Redwood Falls, Minnesota, U.S.A.
KB4ZVM: Dan Allen, Greer, South Carolina, U.S.A.
KF8FF : Larry Sparks, Cincinnati, Ohio, U.S.A.
KI4LX : Vernon Eckleberry, Brunswick, Georgia, U.S.A.
OH5IY : Ilkka Yrjola, Kuusankoski, Finland
N2IXD : Jim DiTucci, Rochester, New York, U.S.A.
N6QJM : Tom Hambrick, Imperial Beach, California, U.S.A.
NT2R : Michael Yorke, Port Washington, New York, U.S.A.

* FEEDBACK WELCOMED *

Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

INTERNET : kd2bd@ka2qhd.de.com
PACKET   : KD2BD @ NN2Z.NJ.USA.NA
UUCP   : ...!rutgers!ka2qhd!kd2bd

MAIL   : John A. Magliacane, KD2BD
Department of Electronics Technology
Advanced Technology Center
Brookdale Community College
765 Newman Springs Road
Lincroft, New Jersey 07738
U.S.A.

<< If you like what you see, send us your QSL card! >>

/EX
--

```
John A. Magliacane                 FAX  : (908) 747-7107
Electronics Technology Department  AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College        UUCP : ...!rutgers!ka2qhd!kd2bd
Lincroft, NJ  07738  USA           VOICE: (908) 842-1900 ext 607
```

From -295296626939139022
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b33768455025e352
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-08 19:00:14 PST

Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Alinco 2M/440 Xcvr with DTMF control
Message-ID: <1657@ke4zv.UUCP>
Date: 9 Dec 90 03:00:14 GMT
References: <27080030@col.hp.com> <2477@dover.sps.mot.com> <1650@ke4zv.UUCP> <1214@tsdiag.ccur.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 25
Posted: Sun Dec 9 04:00:14 1990

In article <1214@tsdiag.ccur.com> davet@tsdiag.ccur.com (Dave Tiller N2KAU) writes:
>In article <1650@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
>-
>-I have the Alinco 570T ...
>-take a hard look at the 570 first. It's cheaper and does what most folks
>-want right out of the box. If you don't really *need* remote touchtone
>-control, it's a real win.
>
>Maybe I should mention my experience with my 570T. It performs flawlessly
>in most respects, but it does have one _very_ annoying feature. If you
>want to store a repeater frequency that requires a CTCSS tone, it will
>remember the tone just fine, but it won't remember to transmit the tone
>when that channel is selected! You must manually select whether or not
>CTCSS tones are to be transmitted, even though the actual tone is
>properly stored in memory. UGH! This means that you must remember which
>repeaters need tones and manually switch on/off the CTCSS feature every
>time you stop scanning. Does anyone know how to fix this? I called
>Alinco and they said that that's the way it is, and tough. Their suggestion
>was to get a 590T! I'm not scared of ripping into the radio to fix it.
>Any help anyone can give me will be greatly appreciated!

This is so true. I just leave tone on for all repeaters, programming the
lowest tone possible for repeaters that don't require tone. Nobody notices.

Gary KE4ZV

From 2431790652616859854
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db799ded972c31ac
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-08 21:04:37 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!cica!iuvax!bsu-cs!skyrider
From: skyrider@bsu-cs.bsu.edu (Bill Morris)
Newsgroups: rec.ham-radio
Subject: Re: Major E.H. Armstrong 100th Anniversary Special Event
Summary: suicide, baby
Message-ID: <12211@bsu-cs.bsu.edu>

Date: 9 Dec 90 05:04:37 GMT
References: <Dec.3.09.43.40.1990.17211@galaxy.rutgers.edu> <721@ghp.UUCP>
Organization: CS Dept, Ball St U, Muncie, IN, USA
Lines: 11
Posted: Sun Dec 9 06:04:37 1990

In article <721@ghp.UUCP>, jim@ghp.UUCP (Jim Stewart) writes:
> >Major Edwin Howard Armstrong, famed radio pioneer was born on Dec 18, 1890,
> >and fell to his death on Feb 1, 1954.
>
> How did he fall??

easy. Committed suicide by literally walking out of a window ten stories
up. Seems he just wanted to give up fighting for the rights to own FM.

Too bad. If he lived, he could've seen that he won in the end, and see
the rise of FM in this country.

From -6189055808064961706
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95dcea8e7f0bf042
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,95dcea8e7f0bf042
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-12-08 21:10:09 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!usc!apple!portal!cup.portal.com!Firesign
From: Firesign@cup.portal.com (Glenn Firesign Josephson)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Lojack Direction Finders SPOTTED
Message-ID: <36699@cup.portal.com>
Date: 9 Dec 90 05:10:09 GMT
References: <1990Dec6.212849.16743@cbnewsc.att.com> <42@bootsie.UUCP>
Organization: The Portal System (TM)
Lines: 7
Xref: gmdzi rec.ham-radio:17643 rec.radio.shortwave:3096
Posted: Sun Dec 9 06:10:09 1990

Can somebody please enlighten an ignorant Ohioan as to what exactly
Lojack is/does??
Thanks.

Glenn
Firesign@cup.portal.com
72561.1062@compuserve.com

From 6916355194483122514
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,346effd38d30032b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-08 21:41:33 PST

Path: gmdzi!unido!mcsun!uunet!wuarchive!rex!ames!pasteur!ucbvax!caticsuf.CSUFresno.EDU!lapayn
From: lapayn@caticsuf.CSUFresno.EDU (Larry Payne)
Newsgroups: rec.ham-radio
Subject: sub
Message-ID: <9012090541.AA07300@caticsuf.cati.CSUFresno.EDU>
Date: 9 Dec 90 05:41:33 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1
Posted: Sun Dec 9 06:41:33 1990

sub Larry Payne

From -5327220674473164613
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-08 21:48:54 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!rpi!bu.edu!att!rutgers!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Re: Another look at Radar Detector Legality for Hams
Message-ID: <34420@netnews.upenn.edu>
Date: 9 Dec 90 05:48:54 GMT
References: <693.27612B63@w8grt.fidonet.org>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 33
Posted: Sun Dec 9 06:48:54 1990

In article <693.27612B63@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

[Various messages about police using unmanned radar transmitters to set off detectors]

>Doubtful. In the first place, how do you prove it? All the police chief has
>to say is that he was gathering traffic flow statistics.
>--
>Jim Grubs - via FidoNet node 1:234/1

The FCC isn't going to approach the department without proof that they were using dummy radar. When an FCC engineer goes to one of the radar gun sites, he'll see a radar unit sitting there, with probably a gel cell or something powering it, and that's it. If the PD was gathering "traffic flow statistics", they'd need some means of recording the statistics they gathered, i.e. either some type of computer with a storage device, a printer of some sort, etc.

Also, when agencies like the Department of Transportation or the National Highway Traffic Safety Administration set out to get traffic statistics, they use special radar guns that are not on the standard X or K frequencies for the sake of getting unbiased readings. If they used standard guns, they would set of detectors, and they would end up getting averages below what is typical.

IMHO, an FCC engineer will recognize this ploy as pure BS.

--- Jeff

```
--
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
 Jeff DePolo  N3HBZ             Twisted Pair: (215) 386-7199
 depolo@eniac.seas.upenn.edu    RF: 146.685- 442.70+ 144.455s (Philadelphia)
 University of Pennsylvania     Carrier Pigeon: 420 S. 42nd St. Phila PA 19104
```

```
From 4118686064565119525
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,281602b2ec39947c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-08 21:54:07 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!netnews.upenn.edu!
eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Re: A scream...
Message-ID: <34421@netnews.upenn.edu>
Date: 9 Dec 90 05:54:07 GMT
References: <ZZHVT2w163w@tosspot.wang.com>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 29
Posted: Sun Dec  9 06:54:07 1990
```

In article <ZZHVT2w163w@tosspot.wang.com> lee@tosspot.wang.com (Lee Reynolds) writes:

>Y'know, for the first time ever, I've decided that it might be
>a good thing if amateur radio finally became a thing of the past...
>
>Yesterday (a Friday) I was home sick, so I thought it'd be really
>nice to copy the PA0AA/PI4AA club bulletins on twenty (14103).
>
>So I'm copying their Dutch news xmission (cw) and one of God's
>divinely appointed american amateurs (at least in his mind)
>shows up. Anyway, asshole starts sending (keyboard generated) cw
>over PA0AA, asking 'em to please QSY to the cw portion of the band.

14.103 IS the CW portion of the band here in the U.S. The extra phone portion only goes as low as 14.150.

>Still, he keeps it up for the entire cw news broadcast, of course, he

>gives no callsign.

How did you know he was an American if he didn't give his call sign?

Maybe I'm missing something here.....

--- Jeff

--
-=-
Jeff DePolo N3HBZ   Twisted Pair: (215) 386-7199
depolo@eniac.seas.upenn.edu   RF: 146.685- 442.70+ 144.455s (Philadelphia)
University of Pennsylvania   Carrier Pigeon: 420 S. 42nd St. Phila PA 19104

From 3093390802373366819
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f551e79c858d1b8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-08 22:07:55 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!snorkelwacker.mit.edu!apple!sun-barr!newstop!sun!amdcad!mozart.amd.com!positron!brian
From: brian@positron.amd.com (Brian McMinn)
Newsgroups: rec.ham-radio
Subject: Re: W.W.II
Message-ID: <1990Dec9.060755.29665@mozart.amd.com>
Date: 9 Dec 90 06:07:55 GMT
References: <9012082234.AA00761@ucsd.edu>
Sender: usenet@mozart.amd.com (Usenet News)
Organization: Advanced Micro Devices, Austin, TX
Lines: 18
Posted: Sun Dec 9 07:07:55 1990

PERRYR@WABASH.BITNET (GWYFFD) writes:
> The book continues with saying that "the attack on Pearl Harbor, of
> course, ended all amateur radio work in the United States", In a
> word, what happened? Did every amateur station in the country go
> into mothballs "for the duration" ?

In a word, yes. Hams exist at the mercy of the federal government and the military will always have the right to usurp any and all of our frequencies. This month's (December 1990) QST has a very good summary of the history of amateur radio that will provide a much better answer than my typing.

--
Brian McMinn   brian@amd.com
Advanced Micro Devices   N5PSS
Austin, Texas   1-(512)-462-5389
"You can't leap a chasm in two jumps."

From 7383802177385059231
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11f2d0dc75301ce0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-08 23:10:25 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!ub!rutgers!rochester!pt.cs.cmu.edu!g.gp.cs.cmu.edu!lehmann
From: lehmann@g.gp.cs.cmu.edu (Eric Lehmann)
Newsgroups: rec.ham-radio
Subject: R5 comments wanted
Message-ID: <11339@pt.cs.cmu.edu>
Date: 9 Dec 90 07:10:25 GMT
Reply-To: lehmann@g.gp.cs.cmu.edu (Eric Lehmann)
Organization: Carnegie-Mellon University, CS/RI
Lines: 9
Posted: Sun Dec 9 08:10:25 1990
Keywords:

I am interested in buying a Cushcraft R5 20/17/15/12/10m vertical. If you have used it, please mail me your opinion of it. I am particularly interested in how high it must be mounted to avoid interaction with metal below it. I will be mounting on a apartment roof with metal siding around it. Cushcraft claims the R5 only needs 6-7 feet of clearance to avoid interaction with objects below the plane of the radials. I am also interested in the effiency of the antenna. Thanks in advance.
-Eric, kd3sp

From -3231483042195315914
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-09 01:42:49 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!snorkelwacker.mit.edu!bloom-picayune.mit.edu!athena.mit.edu!dmb
From: dmb@athena.mit.edu (David M. Bruce)
Newsgroups: rec.ham-radio
Subject: Re: Another look at Radar Detector Legality for Hams
Message-ID: <1990Dec9.094249.19547@athena.mit.edu>
Date: 9 Dec 90 09:42:49 GMT
References: <693.27612B63@w8grt.fidonet.org> <34420@netnews.upenn.edu>
Sender: news@athena.mit.edu (News system)
Organization: MIT
Lines: 27
Posted: Sun Dec 9 10:42:49 1990

In article <34420@netnews.upenn.edu> depolo@eniac.seas.upenn.edu (Jeff DePolo) writes:
>In article <693.27612B63@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

>
>[Various messages about police using unmanned radar transmitters to set
>off detectors]
>
>>Doubtful. In the first place, how do you prove it? All the police chief has
>>to say is that he was gathering traffic flow statistics.
>>--
>>Jim Grubs - via FidoNet node 1:234/1
>
>[Some more stuff about unmanned radar transmitters]
>
>IMHO, an FCC engineer will recognize this ploy as pure BS.
>
>   --- Jeff

IMHO, no FCC engineer is really going to care anyway.

and besides, If the radar gun is on it's performing radio telemetry.
It doesn't matter if you're looking at the readout or not. If an air
traffic controller looks away from his scope is he breaking the law
too?

dmb

From 1620605063194831904
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,281602b2ec39947c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-09 02:30:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!crackers!m2c!wpi.WPI.EDU!gkd
From: gkd@wpi.WPI.EDU (Gregory K Doerschler)
Newsgroups: rec.ham-radio
Subject: Re: A scream...
Message-ID: <1990Dec9.103016.9299@wpi.WPI.EDU>
Date: 9 Dec 90 10:30:16 GMT
References: <ZZHVT2w163w@tosspot.wang.com>
Organization: Worcester Polytechnic Institute
Lines: 47
Posted: Sun Dec 9 11:30:16 1990

In article <ZZHVT2w163w@tosspot.wang.com> lee@tosspot.wang.com (Lee Reynolds)
writes:
>Y'know, for the first time ever, I've decided that it might be
>a good thing if amateur radio finally became a thing of the past...
>
>Yesterday (a Friday) I was home sick, so I thought it'd be really
>nice to copy the PA0AA/PI4AA club bulletins on twenty (14103).
>
> (Stuff about US hams deliberately QRMing bulletin deleted.)

I don't think it would be too difficult to convince the powers-that-be to make amateur radio a thing of the past. It seems to be getting so that it is virtually impossible to conduct any type of useful scheduled or organized activity on ham radio due to QRM, both deliberate and unintentional.

For example, I was listening to the WA3NAN (Goddard Space Flight Center) space shuttle audio rebroadcast last Sunday night. There was a station sweeping his VFO across the frequency sending di-dah continually. Later, a couple of stations got on the frequency and started a QSO; hearing WA3NAN but not knowing what it was. (These guy probably hadn't read QST in 30 years.) They refused to move when another ham got on the frequency and politely explained what the broadcasts were, why they were legal, and that they were of interest to large number of amateurs. The two didn't think that these broadcasts belonged on ham radio and carried on, ignoring the fact that they were needlessly annoying lots of other hams. This was "their" frequency for "their" sched. A 3rd voice then jumped in and added that that WA3NAN was at fault, since it was supposed to be on 3860, and this was 3858.

My feeling is that the only reason ham radio still exist is because of the many instances we've documented where we've saved lives in disasters and provided public safety communications. If we lose the ability to provide these communications because certain people disagree with them and cause QRM or because other people are so out of touch with the happenings in ham radio that they don't even recognize a disaster net in progress and don't have the sense to QSY, we will lose amateur radio altogether. It is, for example, OK to question the validity of the 14.313 activity in the porper forum. But to QRM it only demonstrates our inability to provide orderly communications.

Many hams need to chill out a bit and realize that the airwaves aren't theirs exclusively. If the rag chewer can appreciate the fact that a great many hams enjoy contests, and if the DX-chaser can appreciate the fact that some stations actually enjoy QSOs with people in far away places that go beyond a simple "59" without having to endure accusations of "hogging the DX," methinks we will all be happier.

Greg

From -5373462511507636954
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,196605aa748ccc76,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-09 07:49:12 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!uflorida!gatech!mcnc!beguine!Rob.Dale
From: Rob.Dale@samba.acs.unc.edu (Rob Dale)
Newsgroups: rec.ham-radio
Subject: SAREX News
Message-ID: <1871@beguine.UUCP>
Date: 8 Dec 90 17:43:36 GMT
Sender: usenet@beguine.UUCP
Lines: 8

Posted: Sat Dec 8 18:43:36 1990

According to a press conference yesterday (12/7) a SAREX/Mir conversation is scheduled for 9d7h30m MET, with more information forthcoming.

Also, I was able to monitor WA4SIR calling CQ around 0433Z 8 Dec on an ICOM 2AT w/rubber duck in W Lafayette, IN... Sort of surprised myself.

Rob Dale --- N8GSK --- Purdue University Atmospheric Science
Rob.Dale@samba.acs.unc.edu

From 6759857155279820745
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-09 08:07:37 PST
Path: gmdzi!unido!mcsun!hp4nl!phigate!philica!geertj
From: geertj@philica.ica.philips.nl (Geert Jan de Groot)
Newsgroups: rec.ham-radio,news.groups
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <721@philica.ica.philips.nl>
Date: 9 Dec 90 16:07:37 GMT
References: <19@shasta.Stanford.EDU> <27080036@col.hp.com> <24391@ucsd.Edu>
Reply-To: geertj@ica00.ica.philips.nl (Geert Jan de Groot)
Organization: Philips TDS, Innovation Centre Aachen
Lines: 48
Xref: gmdzi rec.ham-radio:17670 news.groups:23454
Posted: Sun Dec 9 17:07:37 1990

If (When) we make the switchover to rec.radio.{ham,amateur}.*, it might be a good idea to make a FAQ message and send it once a while.

It happens that once a while, a casual reader writes a message in the wrong group, the most common error seems writing in rec.ham-radio what should be in rec.ham-radio.swap.
Usually, this results in a flame storm to the mailbox of the offender, and sometimes on the net as well.

It seems to me that the distinction between rec.radio.ham and rec.radio.ham.legal is less clear than the swap group.
As a result, I think that more articles are mis-posted, and with the dynamic properies of this group, the flaming remains!

Also, a FAQ might give an answer to some flame-prone questions, like taking various equipment onto air flights, etc.
One question from an innocent beginner and the group is filled for the rest of the month!

Other thing: Like Brian, I too would like to keep 'ham' instead of 'amateur'. At least here, broadcast band pirates and the like also

call themselves 'amateurs'.
Moreover, I usually find a new interesting newsgroup from a list
with descriptions (like a checkgroups message), instead of just the
name. And, yes, I like 'ham' too, even if (or because) there is no
similar word in Dutch or German as far as I know of.

Finally, I'd like to propose 'rules' instead of 'legal'. Bandplans,
for instance, have no legal meaning here, just 'gentlemen's agreement'.
If discussed, I'd like to see that in the rules group, because
of the traffic involved. The way I see it, 'rules' is for all rules,
not just the ones issued by the government.

That's my stuiver's worth. I'm interested in your opinion.

73, Geert Jan PE1HZG

```
--8<--nip-nip------------------------------------------------------------

Geert Jan de Groot,         Email: geertj@ica.philips.nl
Philips ICA,                  ..!hp4nl!philica!geertj
Weisshausstrasse,      Ham: PE1HZG
5100 Aachen, West-Germany

phone: +49 241 6003 714      "Programs are like waffles:
fax:   +49 241 6003 709      you should always throw the first one out"
[Standard disclaimers apply]      - Sutherland
```

From -8605119845820550378
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4e5893a3c86c0f5f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-09 09:46:25 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes 12/7/90
Message-ID: <1930@n8emr.UUCP>
Date: 9 Dec 90 17:46:25 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 182
Posted: Sun Dec 9 18:46:25 1990

```
==============================================================
|         Relayed from packet radio via                      |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ ALLBBS $RTDX1207

RTTY DX Notes 1of3 12/7/90

RTTY DX Notes for week ending 7th December 1990
BID: $RTDX1207
Part 1 of 3.

Please, when reporting intended DXpeditions to some rare place, would the person reporting indicate where this rare place is? My geography is fairly good, but where the heck is Morokulien? Which brings me to another point. Considering present and past operations, one would assume that some of the DXpeditions have very little interest in RTTY. We had one to the north who worked very little RTTY, and one to the south who admitted that they were not interested in RTTY. One must ask, should we support these operations if we are to receive no benefit? Maybe we should have more RTTY only operations. At least it is worth thinking about.

Our thanks this week go to DJ3IW and the Saar-Pfalz DX Club Packet Cluster, I5FLN and his packet cluster, JA1BLV, OD5NG, TG9VT, VK2EG and WB8RJX. Thank you all for your excellent news. We do seem to be missing one of our regulars. Hope that the birthday was not too much for you Jules.

Bandpass:

Friday 30:

V31AR	14070	at	0500Z	ARQ
FR5ZD	14081	at	1940Z	FEC
TY1PS	21074	at	2145Z	ARQ
V51P	21085	at	2236Z	
ZS9Z/ZS1	14090	at	2245Z	QSL
UW1ZU	14091	at	2332Z	

Saturday 1:

VR6WH	14088	at	0708Z	
9J2BO	21088	at	0929Z	
UQ2HO	21088	at	1414Z	
ZB2JB	21090	at	1455Z	QSL
RA2FB	14090	at	1505Z	
ZD8BOB	21089	at	1606Z	
ZS9Z/ZS1	14090	at	1807Z	
EA8ATE	28089	at	1844Z	
C56/6W6JX	14087	at	2200Z	QSL
TU2BB	14076	at	2345Z	ARQ

Continued in part 2.
/EX
SB RTTYDX @ ALLBBS $RTDX1207A
RTTY DX Notes 2of3 12/7/90

RTTY DX Notes for week ending 7th December 1990

```
BID: $RTDX1207A
Part 2 of 3.


Sunday 2:
LU5DF/CX    14089  at  0013Z  QSL
EA8HZ       14091  at  0015Z
HL3ANF      21088  at  0032Z
C56/6W6JX   14085  at  0038Z
VP8BFH      14089  at  0108Z
BV2B        14090  at  0330Z
5N8ALE      14073  at  0600Z  FEC
ZD9BV       28096  at  1032Z
9J2BO       28070  at  1205Z  ARQ
5V7DP       28093  at  1349Z
Z21EZ       14084  at  1800Z
PJ8DFS      21085  at  2037Z  QSL
8P6KW       14084  at  2150Z
TF3EJ       14082  at  2235Z

Monday 3:
RW3NPL      14086  at  0246Z
UM8NC       14085  at  0313Z
TU2BB       14076  at  0453Z
XU1DK       14088  at  1120Z  QSL/Note
UX3AYR      21089  at  1430Z
UC2OCT      28086  at  1436Z
YC1YMN      21086  at  1440Z
ZS9Z/ZS1    28090  at  1541Z

Tuesday 4:
UJ8JCQ      21083  at  0553Z
TU2UI       14089  at  0622Z
RL8PYL      14087  at  0624Z
WE6C/BV2    14068  at  0820Z  FEC
XU1DK       21088  at  1119Z
5B4VX       28083  at  1445Z
V85GA       14081  at  2215Z  ARQ

Wednesday 5:
NP2CT       14068  at  0106Z  ARQ
BZ4RC       21087  at  0118Z
XU1DK       28088  at  0153Z
V85GA       21076  at  0530Z  ARQ
A45Z        14074  at  0700Z  ARQ
V73BN       21085  at  1116Z
PJ8DFS      14092  at  1940Z
TU2BB       14074  at  2133Z  ARQ

Thursday 6:
VP2V/WD0ENG 21074  at  0110Z  ARQ
UW0LZ       21088  at  0136Z
UM8NC       14088  at  0402Z
```

5Z4BI   14090 at 1950Z

QSL Information:

ZS9Z/ZS1 says to QSL via OH2BH.

Continued in part 3.
/EX
SB RTTYDX @ ALLBBS $RTDX1207B
RTTY DX Notes 3of3 12/7/90

RTTY DX Notes for week ending 7th December 1990
BID: $RTDX1207B
Part 3 of 3.

C56/6W6JX says to QSL to Box 200, Kaolack, Senegal. Do not QSL to his manager for this operation.

ZB2JB will QSL via Box 292, Gibraltar.

PJ8DFS indicates that his manager is SM5AQD.

LU5DF/CX expects all his cards to go to LU5FSB, who will do the QSL chores.

XU1DK, Toru, says the short address for his QSL is Box 80, Koujimachi, Tokyo 102-91 Japan.

Notes of Interest:

XU1DK states that the power is cut off at 1500Z each day, which makes it a little difficult to operate after that time.

Kure Island, KH7, should show up as KD7P/NH7 from 12th December. He expects to be there until 21st December. QSL to his home address on Guam.

PA3DUU will operate from Morokulien with the call of LG5LG from 22nd December to 29th December. His QSL manager is LA9DFA. (Don't ask me where that place is.)

HA9RE and HA8XX are planning a South Pacific DXpedition toward the end of the year. They will start from Chatham Island as ZL0AAD and ZL0ADN. After two or three weeks they will go to Rarotonga for another two or three weeks, then they proceed to Niue Island as ZK2XA and ZK2XB for about the same period. QSL to DJ1ND. They would like some dontaions to pay for their trip.

3W3RR, Romeo, informs that his trip to Spratley will be delayed

because he now has permission to operate from Afghanistan, as YA0RR.
He expects to start at the end of December. He needs donations too.
Send them to Edward Kritki, Box 715, Brooklyn, NY 11230 USA. QSL
address and frequencies will be announced later.

GL DE DX1

Written by VK2SG. Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA.
Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.
/EX
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From 1495721575740760849
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5c7f70ec12eeea7d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-09 10:12:16 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!cs.utexas.edu!rutgers!
netnews.upenn.edu!pender.ee.upenn.edu!lewis
From: lewis@pender.ee.upenn.edu (Niclas H. Lewis)
Newsgroups: rec.ham-radio
Subject: UK-->US ham license
Message-ID: <34435@netnews.upenn.edu>
Date: 9 Dec 90 16:02:15 GMT
Sender: news@netnews.upenn.edu
Reply-To: lewis@pender.ee.upenn.edu (Niclas H. Lewis)
Organization: University of Pennsylvania
Lines: 12
Posted: Sun Dec 9 17:02:15 1990

I was wondering what procedures one has to go through to obtain a
US amateur radio license. I currently have a class A license (GW4WFX) in
Britain but will be in the US for a number of years where I am at grad.
school. Can I just get a reciprocal license or do I have to subject myself
to some other procedure.......??????

Any advice would be appreciated.

Nic.

GW4WFX

From -4957419852705523062
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db799ded972c31ac
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-12-09 10:23:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!cs.utexas.edu!tut.cis.ohio-state.edu!att!pacbell.com!ames!dftsrv!mimsy!mojo!chuck
From: chuck@eng.umd.edu (Chuck Harris)
Newsgroups: rec.ham-radio
Subject: Re: Major E.H. Armstrong 100th Anniversary Special Event
Message-ID: <1990Dec8.192744.21012@eng.umd.edu>
Date: 8 Dec 90 19:27:44 GMT
References: <Dec.3.09.43.40.1990.17211@galaxy.rutgers.edu> <721@ghp.UUCP>
Sender: news@eng.umd.edu (C-News)
Organization: College of Engineering, Maryversity of Uniland, College Park
Lines: 13
Posted: Sat Dec 8 20:27:44 1990

In article <721@ghp.UUCP> jim@ghp.UUCP (Jim Stewart) writes:
>In article <Dec.3.09.43.40.1990.17211@galaxy.rutgers.edu> gubernar@andromeda (John D. Gubernard) writes:
>
>>Major Edwin Howard Armstrong, famed radio pioneer was born on Dec 18, 1890,
>>and fell to his death on Feb 1, 1954.
>
>How did he fall??

Distraught over his inability to successfully fight those who stole his
ideas and inventions, he jumped.

Chuck Harris - WA3UQV
chuck@eng.umd.edu

From 4359350454226186520
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1157da,898c109b475b71e9
X-Google-Attributes: gid1157da,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-09 12:15:17 PST
Path: gmdzi!unido!mcsun!uunet!mnetor!geac!torsqnt!tmsoft!eci386!woods
From: woods@eci386.uucp (Greg A. Woods)
Newsgroups: news.groups,news.admin,rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <1990Dec9.201517.27809@eci386.uucp>
Date: 9 Dec 90 20:15:17 GMT
References: <19@shasta.Stanford.EDU> <1990Dec6.095416.7724@EE.Surrey.Ac.UK> <1990Dec6.173619.22401@murdoch.acc.Virginia.EDU>
Reply-To: woods@eci386.UUCP (Greg A. Woods)
Organization: Elegant Communications Inc.
Lines: 27
Xref: gmdzi news.groups:23497 news.admin:9731 rec.ham-radio:17721
Posted: Sun Dec 9 21:15:17 1990

In article <1990Dec6.095416.7724@EE.Surrey.Ac.UK> eep1mw@surrey.ac.uk (Mike Willis) writes:
> I had enough difficulty getting the University to enable the current
> groups, changing things just makes life difficult. We will probably lose
> the service altogether.

I can't imagine why an educational institution would have trouble with anything to do with Amateur Radio! Maybe this shows how poor our PR is.

In article <1990Dec6.173619.22401@murdoch.acc.Virginia.EDU> Ran Atkinson <randall@Virginia.EDU> writes:
[.... a suggestion to gateway rec.radio.amateur.* [;-)] to mail ....]
> Perhaps someone out there would be willing to setup a news->mail gateway
> for one or more of these groups. There is a very slight chance I could
> work out something like that, but it isn't trivial for me in my present
> circumstance. Surely there is an Amateur Radio operator who is a sysadmin
> somewhere already who could be talked into creating such a service. I'd
> be happy to help out with the "How to set it up under UNIX ?" if someone
> were willing to put it in place.

I know of one person locally who is currently doing this with the rec.ham-radio groups specifically. I am sure I'll be able to do so as well, once I get my machine (robohack) operational again, though I will probably want to restrict the service to the local area.

```
--
                                Greg A. Woods
woods@{eci386,gate,robohack,ontmoh,tmsoft}.UUCP         ECI and UniForum Canada
+1-416-443-1734 [h]  +1-416-595-5425 [w]    VE3TCP Toronto, Ontario CANADA
Political speech and writing are largely the defense of the indefensible-ORWELL
```

From -7920268680875509945
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98121c16852689b1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-09 13:13:21 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rice!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: Reorganization
Message-ID: <k5BXT2w163w@phoenix.com>
Date: 9 Dec 90 18:05:55 GMT
References: <36698@cup.portal.com>
Organization: One Man Brand
Lines: 25
Posted: Sun Dec 9 19:05:55 1990

UKTONY@cup.portal.com (Tony C Harding) writes:

> Who do we need to talk to about spliting rec.radio.shortwave and
> ham.radio?
>

> At the moment some items posted in ham.radio automaticly also make it
> into radio.shortwave.
>

No, it is far from automatic. Someone deliberately cross-posted the first article. It might have been a question that was appropriate for both, at first. Then, as the discussion grew towards ham radio in rec.ham-radio, and towards the SWL side in r.r.s, nobody took the effort to un-crosspost the postings, so now you read the same thing in two places.

> I subscribe to both and do not really want to read them twice.

rec.aviation and sci.aeronautics suffers from the same thing. sci.chem and rec.pyrotechnics, at times. Life is a beach.

<> "If winning is not important, then why keep score?" -- Turtle Head
<> "Eaten any good books lately?" -- Q
<> "Sanity check!" "Sorry, we can't accept it, it's from out of state." - me

From 7340812772465605418
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0cab89724683f8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,c0cab89724683f8
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f5cc0,c0cab89724683f8
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-12-09 13:21:50 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!ut-emx!aoab314
From: aoab314@ut-emx.uucp (Srinivas Bettadpur)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.space
Subject: Re: * SpaceNews 03-Dec-90 *
Message-ID: <41081@ut-emx.uucp>
Date: 9 Dec 90 19:47:43 GMT
References: <1990Dec4.183721.6956@zoo.toronto.edu>
<1990Dec5.132743.15342@batcomputer.tn.cornell.edu>
<1990Dec6.121859.836@qualcomm.com>
Followup-To: rec.ham-radio
Organization: Center for Space Research, U of Texas at Austin, Austin, Texas
Lines: 29
Xref: gmdzi rec.ham-radio:17604 rec.ham-radio.packet:3182 sci.space:18161
Posted: Sun Dec 9 20:47:43 1990

In article <1990Dec6.121859.836@qualcomm.com> antonio@drzeus.qualcomm.com (Franklin Antonio) writes:
>> newman@batcomputer.tn.cornell.edu (Bill Newman) writes:
>>> henry@zoo.toronto.edu (Henry Spencer) writes:
>>>> antonio@drzeus.qualcomm.com (Franklin Antonio) writes:
>>>>So, the basic work was done 371 years ago! This is one of the humbling
>>>Kepler is not the really humbling example in celestial mechanics. That
>>>honor goes to Isaac Newton, ...

>>>mathematicians of the next two centuries basically just added footnotes
>>>to his work.
>
>I agree with Henry. Newton humbles us all. As for the following 370 years of
>many-body perturbation and stability theory: bah! "plausible" and "could be"
>are waffle-words.

While I will agree that Newton established all the fundamentals for the CM, that he did grind the 2-body problem to dust, and that the science of CM is indeed four centuries old, I cannot agree to calling the later work "footnotes" or dismissing the following works as being un-verifiable.

This argument is similar to one that may be made in "showing" that all of science and engineering boils down to Physics, or that the only truly original discoveries appear in some esoteric branches of Physics, and everything else follows.

The point is not that the basic problem of CM has remained unchanged for the past four centuries. It is that all the variations on that problem have prompted some remarkable contributions from a large number of mathematicians, and more importantly, these contributions have had implications far beyond just CM.

Srinivas Bettadpur

From -6989396311322364515
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31a8360191158b8e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-09 16:16:18 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!usc!zaphod.mps.ohio-state.edu!wuarchive!emory!att!pacbell.com!ucsd!dog.ee.lbl.gov!pasteur!ucbvax!cleveland.Freenet.Edu!ac873
From: ac873@cleveland.Freenet.Edu (Thomas Kimball)
Newsgroups: rec.ham-radio
Subject: Re: Another Look at Radar Detector Legality for Hams
Message-ID: <9012091348.AA17301@cwns1.INS.CWRU.Edu>
Date: 9 Dec 90 13:48:19 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: ac873@cleveland.Freenet.Edu
Lines: 22
Posted: Sun Dec 9 14:48:19 1990

In a previous article, jim.grubs@w8grt.fidonet.org (Jim Grubs) says:

>> The FCC busted some police department back east for a similar violation.
>>
>>
>> Did they really?
>
>Doubtful. In the first place, how do you prove it? All the police chief has to
>say is that he was gathering traffic flow statistics.

I recollect that it started on I-75 in Kentucky. The local PD bragged about
it to the media when confronted. Someone requested an opinion from the FCC
which said that it was a No-No. The FCC did not cite them (as far as I know),
but they desisted.

--
Tom KA8BZB
internet: ac873@Cleveland.Freenet.edu
packet: KA8BZB @W8GRG.OH.USA
BBS: HAMNET @ (216) 942-6382/942-7516

From -6787294251697765453
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79ce062cd18ba074
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-09 16:23:18 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!qip!rusty
From: rusty@qip.UUCP (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: Usenet Un-Net strikes again
Keywords: un-net
Message-ID: <5704@qip.UUCP>
Date: 9 Dec 90 14:58:54 GMT
References: <93141@aerospace.AERO.ORG>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 33
Posted: Sun Dec 9 15:58:54 1990

In article <93141@aerospace.AERO.ORG> obrien@aerospace.aero.org (Mike O'Brien)
writes:
>Had a good time with the Usenet Un-Net this morning, though I must say
>that it seems to be primarily an East Coast phenomenon. I could barely
>hear the stations and they could not hear me, except for one intermediate

Well, I finally checked in to the un-net last weekend (a week ago now,
I've been swamped and unable to read news) after a fair number of folks
had left, and Talked to a few west-coasters :-). Actually, I had a little
"problem" with my radio, I'm running late so I'll tell that story in a lter
posting.

>
>One confused person from Tabago checked in by accident. 10 meters was
>definitely open this morning.

I heard that. It was somewhat amusing.

>Check in and check it out. 28.390 or 28.410, depending on QRM, Saturdays
>1700-1900Z. Be there...or be somewhere else.

But yesterday was too busy with contest for teh un-net...

>Mike O'Brien
>obrien@aerospace.aero.org

--
+++ 73 de N7IKQ +++
Rusty Carruth   {ames!ncar!noao!asuvax,mcdphx}!anasaz!rusty
P.O. Box 27001, Tempe, AZ 85285   anasaz!rusty@asuvax.eas.asu.edu
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz
The Ham Callsign Project, part 3 (the 1990 version) - its HERE! Email for info

From -9082462935487472050
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-09 16:35:50 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!uwm.edu!rutgers!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Re: Another look at Radar Detector Legality for Hams
Message-ID: <34445@netnews.upenn.edu>
Date: 9 Dec 90 22:24:25 GMT
References: <693.27612B63@w8grt.fidonet.org> <34420@netnews.upenn.edu> <1990Dec9.094249.19547@athena.mit.edu>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 32
Posted: Sun Dec 9 23:24:25 1990

In article <1990Dec9.094249.19547@athena.mit.edu> dmb@athena.mit.edu (David M. Bruce) writes:
[Stuff about unmanned radar guns being used, the FCC finding them, etc.]
>IMHO, no FCC engineer is really going to care anyway.
>

Apparently they did. They terminated this practice in Georgia where they were using radar guns mounted to roadside poles. They also stopped the Pennsylvania State Police who had been putting old radar guns in highway maintainence vehicles, median lawn tractors, etc.

>and besides, If the radar gun is on it's performing radio telemetry.
>It doesn't matter if you're looking at the readout or not. If an air
>traffic controller looks away from his scope is he breaking the law
>too?

It doesn't matter whether or not somebody is looking at it. It DOES matter whether or not there is someone there to control the emissions. Radar guns aren't classified as telemetry equipment. The license is for radiolocation. FCC regs also state that this type of device must

be manned. Also, a radar detector is a radio receiver. If somebody
is interfering with its use, that is, somebody is setting it off without
a reason for transmitting, that is also an FCC violation. See part
15 for more info. Radar guns are part 15 devices, from what I remember.

--- Jeff

```
--
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
 Jeff DePolo  N3HBZ             Twisted Pair: (215) 386-7199
 depolo@eniac.seas.upenn.edu    RF: 146.685- 442.70+ 144.455s (Philadelphia)
 University of Pennsylvania     Carrier Pigeon: 420 S. 42nd St. Phila PA 19104
```

```
From -3247202518020407 56
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8fa34cc2e0803bb2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-09 16:39:03 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Special event
Message-ID: <701.27616274@w8grt.fidonet.org>
Date: 9 Dec 90 02:01:16 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 22
Posted: Sun Dec  9 03:01:16 1990
```

> From: gary@ke4zv.UUCP (Gary Coffman)
> Date: 8 Dec 90 01:34:54 GMT
> Organization: Gannett Technologies Group
> Message-ID: <1655@ke4zv.UUCP>
> Newsgroups: rec.ham-radio
>
> This is not a flame. Special event stations are neat. It just struck me
> that I see the phrase "all bands" a lot when only the five traditional
> HF bands are meant. I think this reflects a mindset in amateur radio
> that
> may result in there only being five (or seven) bands left for ham radio
> some day. Pity.

And if you try to do something about it, the ostriches try to peck you to
pieces... Or build a new pen to put you in.

```
--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org
```

From 2798381141969262672
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-09 16:40:07 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Another look at Radar Detector Legality for Hams
Message-ID: <703.27627C76@w8grt.fidonet.org>
Date: 9 Dec 90 19:24:24 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 52
Posted: Sun Dec 9 20:24:24 1990

> From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
> Date: 9 Dec 90 05:48:54 GMT
> Organization: University of Pennsylvania
> Message-ID: <34420@netnews.upenn.edu>
> Newsgroups: rec.ham-radio
>
> In article <693.27612B63@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org
> (Jim Grubs) writes:
>
> [Various messages about police using unmanned radar transmitters to set
> off detectors]
>
> >Doubtful. In the first place, how do you prove it? All the police chief has
>
> >to say is that he was gathering traffic flow statistics.
> >--
> >Jim Grubs - via FidoNet node 1:234/1
>
> The FCC isn't going to approach the department without proof that they
> were using dummy radar. When an FCC engineer goes to one of the radar
> gun sites, he'll see a radar unit sitting there, with probably a gel
> cell or something powering it, and that's it. If the PD was gathering
> "traffic flow statistics", they'd need some means of recording the
> statistics they gathered, i.e. either some type of computer with a
> storage device, a printer of some sort, etc.

Don't overcomplicate the problem! All it takes is an auxiliary officer with a
pencil and a notebook.

> Also, when agencies like the Department of Transportation or the
> National
> Highway Traffic Safety Administration set out to get traffic statistics,
> they use special radar guns that are not on the standard X or K
> frequencies
> for the sake of getting unbiased readings.

To find out the fans on the way home from the Michigan - OSU game are pushing it a bit? Come now.

> IMHO, an FCC engineer will recognize this ploy as pure BS.

An FCC engineer, even if he cared, we would be hard put to demonstrate that this is not VTO enforcement. The purpose of enforcement is to ensure compliance, not to rack up a lot of traffic court 'kills'. If the radar trips a few fuzzbusters while the watch commander is deciding whether to run a trap, well, that's life.

--
Jim Grubs - via the friendly folks at UUNET
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -6560940478240395177
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 14:12:59 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <ck4RT2w163w@phoenix.com>
Date: 6 Dec 90 22:12:59 GMT
References: <1990Dec6.142625.26900@mozart.amd.com>
Organization: One Man Brand
Lines: 21
Posted: Thu Dec 6 23:12:59 1990

reed@mozart.amd.com (David F. Reed) writes:

> I also like the re-structure, but find it might offer more clarity to go
> with rec.radio.amateur , etc.; in either case, I support the move to conform
> to net standard/convention...

Errrr, what is not standard about rec.ham-radio? Other than the inhabitants, what is unconventional about it? It tells you right off what it is, certainly better than things like comp.sources.d (what, the next language after C?)

Just because there is a rec.radio.* is not a reason to change rec.ham-radio.

<> "If winning is not important, then why keep score?" -- Turtle Head
<> "Eaten any good books lately?" -- Q

```
<> "Sanity check!" "Sorry, we can't accept it, it's from out of state." - me


From -3208143335312306881
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 14:15:37 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <qo4RT4w163w@phoenix.com>
Date: 6 Dec 90 22:15:37 GMT
References: <1990Dec6.095416.7724@EE.Surrey.Ac.UK>
Organization: One Man Brand
Lines: 15
Posted: Thu Dec  6 23:15:37 1990


eep1mw@surrey.ac.uk (Mike Willis) writes:
>
> I had enough difficulty getting the University to enable the current
> groups, changing things just makes life difficult. We will probably lose
> the service altogether.
> Mike.

   Bravo! Like the old saying goes, if it ain't fix, don't broke it.



<> "If winning is not important, then why keep score?" -- Turtle Head
<> "Eaten any good books lately?" -- Q
<> "Sanity check!" "Sorry, we can't accept it, it's from out of state." - me


From 6765279121700474359
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-06 14:32:14 PST
Path: gmdzi!unido!mcsun!ukc!uos-ee!eep1mw
From: eep1mw@surrey.ac.uk (Mike Willis)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <1990Dec6.095416.7724@EE.Surrey.Ac.UK>
Date: 6 Dec 90 09:54:16 GMT
References: <19@shasta.Stanford.EDU>
Sender: news@EE.Surrey.Ac.UK (Usenet News Service)
Organization: University of Surrey, Guildford, Surrey, UK. GU2 5XH
Lines: 48
```

Xref: gmdzi news.groups:23321 rec.ham-radio:17488
Posted: Thu Dec 6 10:54:16 1990

In article <19@shasta.Stanford.EDU> paulf@shasta.Stanford.EDU (paulf) writes:
>Jay Maynard and I propose the following reorganization of the rec.ham-radio
>hierarchy:
>
>PROPOSED ADDITIONS:
>
>1. rec.radio.ham
>
>   "A General newsgroup for discussions about amateur radio."
>
>2. rec.radio.ham.legal
>
>   "A newsgroup for the discussion of legal aspects of amateur radio."
>
>3. rec.radio.ham.packet
>
>   "A newsgroup for discussions about amateur packet radio."
>
>4. rec.radio.ham.swap
>
>   "A forsale group for the rec.radio.ham hierarchy."
>
>PROPOSED DELETIONS:
>
>1. rec.ham-radio
>
>   Now superseded by rec.radio.ham and rec.radio.ham.legal.
>
>2. rec.ham-radio.packet
>
>   Superseded by rec.radio.ham.packet
>
>3. rec.ham-radio.swap
>
>   Replaced by rec.radio.ham.swap
>
>
>Commentary Period: Dec. 4 -14, 1990
>
>
>-=Paul Flaherty, N9FZX | Without KILL files,
>->paulf@shasta.Stanford.EDU | life itself would be impossible.

I had enough difficulty getting the University to enable the current
groups, changing things just makes life difficult. We will probably lose
the service altogether.
Mike.

From -7746535402247383240
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4343e6cfbeb25c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 15:11:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!bu.edu!att!pacbell.com!ucsd!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins: Space Shuttle
Message-ID: <9012062311.AA13051@blackbird.afit.af.mil>
Date: 6 Dec 90 23:11:52 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Fri Dec 7 00:11:52 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current elements for the current shuttle mission are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
STS 35
1 20980U 90106  A 90339.82599023  .00040222  00000-0  28567-3 0   113
2 20980  28.4666 339.3089 0010614 329.2583  30.7294 15.72332324   560
--
Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology
```

From 5403602348713131501
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 15:58:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Internet-Packet Reply (LONG!)
Message-ID: <395@ultrix.uhasun.hartford.edu>
Date: 6 Dec 90 14:19:14 GMT
References: <678.275CF8F8@w8grt.fidonet.org>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 53
Posted: Thu Dec 6 15:19:14 1990

In article <678.275CF8F8@w8grt.fidonet.org>, Jim.Grubs@w8grt.fidonet.org (Jim Grubs, W8GRT) writes:
>

[quotes of quotes of quotes deleted]

> > I'd be interested to know what gives you that impression. Having
> > recently discussed some of this with the FCC, I have a different
> > impression entirely. They are insistent that both the FCC and the
> > amateurs themselves have the capability to detect improper use of
> > amateur frequencies. The oft-cited continuing use of amateur
> > frequencies by taxicabs, boaters etc. is irrelevant. There is a big
> > difference (in the FCC's eyes, at least) between not having sufficient
> > enforcement capability to catch all of the illegal activity and not
> > being technically *able* to catch them. They may grudgingly put up
> > with the former, but they are unbending about not allowing the latter
> > to happen any more than they can help it.
> >
>
> In other words, to try to cover up their impotence in dealing with the
> sharks, they plan to make a big show of beating the crap out of the guppies.
> Wonderful concept! No wonder young people feel such total contempt for
> government.

Jim, that is unmitigated crap. Are you suggesting that, since the cops
can't stop every crime, they shouldn't mind the legalization of any
technology that makes committing a crime easier? That's exactly what
I'm talking about, and it has nothing to do with "sharks" and "guppies."

> Are we to infer from your constant references to the fact that you
> participate in the ARRL program to educate the FCC on what's happening in the
> real world that the League approves of this FCC "Whack the Guppies" policy?

Attacking the messenger because you dislike the message adds nothing
useful to this discussion. Also, as you very well know, my postings
here do not represent official League policy. If people insist on taking
anything any ARRL staffer or official says as "League policy," how
can there be any dialogue between the officials/staff and the members?

> [Sorry to offend the rec.ham-radio.legal proponents, but if you look up from
> your ivory tower technical tinkering some day and discover that the politics
> of regulation have eliminated the hobby altogether, don't ask why "somebody"
> failed to notice and take care of the problem.]

Give me a break.

(For some reason, I'm really starting to warm up to the idea of
rec.ham-radio.legal. Although rec.ham-radio.flame seems more
apropos.)

--
Jon Bloom, KE3Z | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu |
Snail: 225 Main St., Newington, CT 06111 | "I have no opinions."

```
From -4369108934405042057
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95dcea8e7f0bf042
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,95dcea8e7f0bf042
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-12-06 15:59:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!udel!
haven!decuac!shlump.nac.dec.com!ggone.enet.dec.com!pierson
From: pierson@ggone.enet.dec.com (Dave Pierson)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Lojack Direction Finders SPOTTED
Summary: probably
Keywords: lojack, df, antennas
Message-ID: <17923@shlump.nac.dec.com>
Date: 6 Dec 90 23:59:53 GMT
Sender: newsdaemon@shlump.nac.dec.com
Followup-To: rec.ham-radio
Organization: Digital Equipment Corporation
Lines: 17
Xref: gmdzi rec.ham-radio:17546 rec.radio.shortwave:3038
Posted: Fri Dec  7 00:59:53 1990

In article <1990Dec6.212849.16743@cbnewsc.att.com>, tedk@cbnewsc.att.com
(ted.g.kekatos) writes...
>I have spotted several Chicago Police and Illinois State Police
>cars with four equal spaced antenna on the roof.
     Assuming they are at the corners of a square, thats lojack.
     (unfair advantage:  lojack is based in Mass.  the arrays have been
     noticeable in this area for about two years....)  Presumably doppler
     DF

thanks
dave pierson           |the facts, as accurately as i can manage,
Digital Equipment Corporation    |the opinions, my own.
600 Nickerson Rd
Marlboro, Mass
01752                  pierson@cimnet.enet.dec.com

"He has read everything, and, to his credit, written nothing."  A J Raffles
```

```
From -3335199629920632612
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e0f678b4447bc972,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 16:06:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!zaphod.mps.ohio-state.edu!
julius.cs.uiuc.edu!apple!sun-barr!ames!pasteur!ucbvax!P2.AMS.WPAFB.AF.MIL!
bob%50781.decnet
From: bob%50781.decnet@P2.AMS.WPAFB.AF.MIL ("50781::BOB")
Newsgroups: rec.ham-radio
Subject: Compress on a VAX/VMS system
```

Message-ID: <9012071004.AA17931@ucsd.edu>
Date: 7 Dec 90 00:06:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Fri Dec 7 01:06:00 1990

Hi All,
  Does anyone out there have experience with the COMPRESS utility used on
the mail archives? Specifically, I'm (trying) to run it on a VAX running
VMS 5.3, but I can't get it to link. I got a link on the Cray running
UNICOS, but then all I got was garbage out using a compressed mail file for
input.
  Please E-mail me directly with ideas/answers.

Bob, N5GNA
Bob%50781.decnet@p2.ams.wpafb.af.mil

From -3726987011291801939
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,68224797fbfb3762,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 16:08:52 PST
Path: gmdzi!unido!mcsun!uunet!unsvax!jimi!tahoe!apple!netcom!feustel
From: feustel@netcom.UUCP (David Feustel)
Newsgroups: rec.ham-radio
Subject: PD Morse Code Program Runnable on 386 Needed
Summary: I need one
Keywords: Morse code
Message-ID: <18242@netcom.UUCP>
Date: 7 Dec 90 00:08:52 GMT
Organization: DAFCO - An OS/2 Oasis
Lines: 7
Posted: Fri Dec 7 01:08:52 1990

I need a (PD) morse code program that will run on a 386. I dusted off
a morse code program I bought for my xt in 85 and found it running in
the neighborhood of 120 wpm on my 386sx - a little too fast for me to
follow.
--
David Feustel, 1930 Curdes Ave, Fort Wayne, IN 46805, (219) 482-9631
EMAIL: netcom.uucp

From 4151207083993333198
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8591511e3af59c96
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,8591511e3af59c96
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,8591511e3af59c96
X-Google-Attributes: gidf76e2,public

```
X-Google-ArrivalTime: 1990-12-06 16:59:11 PST
Path: gmdzi!unido!mcsun!uunet!cbmvax!heimat!dan
From: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap
Subject: Re: Terminal / BBS program to packet radio
Message-ID: <230@heimat.UUCP>
Date: 7 Dec 90 00:59:11 GMT
References: <1990Dec5.200240.28893@iesd.auc.dk>
Reply-To: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Organization: Sneakers Computing, West Lawn, PA
Lines: 21
Xref: gmdzi rec.ham-radio:17598 rec.ham-radio.packet:3181 rec.ham-radio.swap:854
Posted: Fri Dec  7 01:59:11 1990

In article <1990Dec5.200240.28893@iesd.auc.dk> sunesen@iesd.auc.dk (Peter Sunesen)
writes:
>
>I`am happy to anounce, that you now can get the best and most used
>packet radio program, from iesd.auc.dk (130.225.48.4)
>as anonymous ftp.
>
  Fine, so why did you have to post this message plus 5 parts of the actual
  program? Posting to all of the above list of newsgroups seems like a bit
  of overkill. In the future please post only the announcement and send the
  files by e-mail or post in a binary newsgroup. Not everyone needs or wants
  your software that reads these newsgroups, not to mention soem of us have
  computers that use other operating systems (Like AmigaDOS).
--
                               _____
     Dan 'Sneakers' Schein    /     \   Quote:
     Sneakers Computing     \/\/     |        Those who worked the hardest
     2455 McKinley Ave.      |  (o)(o)        are the last to surrender.
     West Lawn, PA 19609     C   .---_)            -= Gary Ward =-
                              | |.___|
                              |  \__/
     uunet!cbmvax!heimat!dan  /_____\  (or)  dan%heimat@commodore.com


From -7484413261582211031
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,81ee8c9b2b5c649a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 17:51:07 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
cs.utexas.edu!rutgers!rochester!uhura.cc.rochester.edu!uhura!saaf
From: saaf@joker.optics.rochester.edu (Lennart Saaf)
Newsgroups: rec.ham-radio
Subject: DX Map: Hypercard stack
Message-ID: <SAAF.90Dec6101139@joker.optics.rochester.edu>
Date: 6 Dec 90 15:11:39 GMT
Sender: news@uhura.cc.rochester.edu
Distribution: rec
Organization: The Institute of Optics, University of Rochester
```

Lines: 63
Posted: Thu Dec 6 16:11:39 1990

I just finished the stack I mentioned here a couple of weeks ago. It is available via anonymous ftp at joker.optics.rochester.edu (128.151.240.1). I have also mailed copies to those who requested it last week. If someone who has no ftp capability wants a copy, I will be glad to mail it to them. Below is some information about the stack.

DX Map 1.0 by Len Saaf, NV2Z
A Hypercard stack for the Apple Macintosh.

The stack is freeware. It may be distributed in part or in whole provided that it is distributed for free.

The stack requires Hypercard 2.0.

DX Map features:

* Your QTH is marked on the map and your local time appears above it

* UTC is displayed at the bottom of the map

* A DXCC country can by selected by either choosing the country name from a list or by entering a callsign or prefix. The DXCC country is marked on the map and the following information is listed:

    * Country name
    * Continent
    * CQ zone(s)
    * ITU zone(s)
    * Distance from your QTH in miles and kilometers
    * Bearing in degrees from your QTH
    * Callsign allocation
    * The local time in the DXCC country is displayed above its location on the map

* Your location and a remote location are fully configurable

I wrote 3 XFCNs for this stack:

* "CallToNum" takes a callsign and returns the number of DXCC countries that could have that callsign followed by ID numbers for each of those DXCC countries.

* "NumToInfo" takes one of those ID numbers and retrns a bunch of info for that DXCC country. The info is from a list I got off rec.ham-radio.

* "coords" takes 2 lattitude/longitude pairs and returns the distance between them and the bearing from the first to the second.

The source code to these 3 XFCNs is free for the asking. They are written in Pascal.

All bug reports, comments and/or suggestions are welcome.

73,
Len
NV2Z

```
--
-----------------------------------------------------------------------
| Len Saaf, The Institute of Optics, Univ. of Rochester, Rochester, NY |
| Internet: saaf@joker.optics.rochester.edu        Bitnet: SAAF@UOROPT |
-----------------------------------------------------------------------
```

From -4660219544145840679
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 19:12:52 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!hplabs!hpcc05!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <27080036@col.hp.com>
Date: 7 Dec 90 03:12:52 GMT
References: <19@shasta.Stanford.EDU>
Organization: HP Colorado Springs Division
Lines: 32
Posted: Fri Dec 7 04:12:52 1990

>davidsen@crdos1.crd.ge.COM (Wm E Davidsen Jr) sez:
> A few comments: a few sentences about the other rec.radio groups would
>have made it clear why you were changing ham-radio to radio.ham, and I
>would like to see .misc used for the catch-all group.
>
> Finally, I don't personally like the .legal name, as it encourages
>thought of "what part is not legal?" If you can can think of a beter
>name (ie. more descriptive) it might aid in identifying the group. I
>don't really care for legal-issues or legalities, but perhaps
>regulations would be better, since you will probably be talking mostly
>about things which are not laws (passed by congress) but regulations
>from the FCC.

Thanks for the clarification on "rec.radio.ham". I revise my opinion to supporting:

```
    rec.radio.amateur    [I hate the word 'ham']
    rec.radio.amateur.rules   or    rec.radio.amateur.regs

    and, of course,

    rec.radio.amateur.swap
```

rec.radio.amateur.packet

```
--------------------------------------------------------------------
Bob Witte              HP Colorado Springs Division
bobw@col.hp.com        P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO  80901
Radio: KB0CY
"I absolutely hate people who are intolerant."
--------------------------------------------------------------------
```

From -7882487757218775247
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d5ce4b29af6a06a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 22:50:56 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!tektronix!sequent!sequent.uucp!dale
From: dale@sequent.uucp (Dale Mosby)
Newsgroups: rec.ham-radio
Subject: need antenna information
Message-ID: <48002@sequent.UUCP>
Date: 7 Dec 90 06:50:56 GMT
Sender: dale@sequent.UUCP
Organization: Sequent Computer Systems, Inc.
Lines: 32
Posted: Fri Dec 7 07:50:56 1990

HELP! I need an "outside" antenna. My "temporary" attic dipole is driving me crazy. After putting ferrite beads and caps on my alarm siren I can run about 40 watts on 10 Meters before I drive it (alarm power supply disconnected) and 100 watts on 40 Meters if I get the antenna tuned really well. But my "smart" furnace thermostat consistently is reprogrammed when I transmit and tries to heat the house to 90 degrees. But enough of my sad tales...

I plan to put up a vertical mast 30 feet, and run a G5RV, plus perhaps a couple short dipoles at a later date. I think a tower might be a fight to get up, but think the mast with a few wires will be OK. My lot is somewhat triangular, 106 ft in back, 68 ft in front, and 100 ft deep. House is 43 ft from back fence. Plan is to use inverted V, with 10 ft mast sections (or house) at ends of wires.

I have heard that there are a couple variations on the plans for the G5RV. I would like to run coax through the attic to a balun under eaves, and then the open wire line to the dipole. I've heard of this both with and with out the balun. I'd like access to 80, 40, 15 and 10 meters at this time having a technician class license.

I'd like to solicit net opinion on the "ideal" antenna for my situation. And specifically on variations of G5RV design. All plans seem to use the 102 ft dipole, but what length of open line,

and 300 or 600 ohm open line, should a balun be used and if so
1:1 or 4:1, and what length of coax?

I'll summarize any replies coming directly to me. Thanks.

dale@sequent.com OR { uunet pur-ee tektronix sun } !sequent!dale
Dale Mosby   503-578-9842 N7PEX // Sequent Computer Systems, Inc.
15450 SW Koll Parkway   // Beaverton, Or. 97006-6063

From -5844374620947351291
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 23:11:09 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Another look at Radar Detector Legality for Hams
Summary: radar decoys
Message-ID: <628@ssc.UUCP>
Date: 7 Dec 90 07:11:09 GMT
References: <655.2758ED18@w8grt.fidonet.org> <5592@qip.UUCP>
Organization: very little
Lines: 25
Posted: Fri Dec 7 08:11:09 1990

In article <5592@qip.UUCP>, john@qip.UUCP (John Moore) writes:
> In article <655.2758ED18@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>, I can assure you that it is not
>>]uncommon for officers to "run radar" with the full knowledge and intent that
>]tripping fuzzbusters will slow things down.

>
> This is, however, illegal - if you could ever prove it. The band is
> allocated only for radiolocation - not for spoofing or broadcasting.
> The FCC busted some police department back east for a similar violation.

Did they really? I recall hearing about radar decoy transmitters, that
were being placed adjacent to highways to trip radar detectors. So
this is illegal?

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 2272770034485523508
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0cab89724683f8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,c0cab89724683f8
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f5cc0,c0cab89724683f8
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-12-07 00:50:03 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!bu.edu!att!pacbell.com!ucsd!
qualcom.qualcomm.com!fpa
From: fpa@qualcomm.com (Franklin Antonio)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.space
Subject: Re: * SpaceNews 03-Dec-90 *
Message-ID: <1990Dec6.121859.836@qualcomm.com>
Date: 6 Dec 90 12:18:59 GMT
References: <378@ka2qhd.UUCP> <1990Dec3.183522.25647@qualcomm.com>
<1990Dec4.183721.6956@zoo.toronto.edu>
<1990Dec5.132743.15342@batcomputer.tn.cornell.edu>
Reply-To: antonio@drzeus.qualcomm.com (Franklin Antonio)
Organization: Qualcomm Inc., San Diego, CA
Lines: 22
Xref: gmdzi rec.ham-radio:17504 rec.ham-radio.packet:3158 sci.space:18061
Posted: Thu Dec 6 13:18:59 1990

> newman@batcomputer.tn.cornell.edu (Bill Newman) writes:
>> henry@zoo.toronto.edu (Henry Spencer) writes:
>>> antonio@drzeus.qualcomm.com (Franklin Antonio) writes:
>>>So, the basic work was done 371 years ago! This is one of the humbling
>>>things about celestial mechanics...

>>Kepler is not the really humbling example in celestial mechanics. That
>>honor goes to Isaac Newton, ...
>>mathematicians of the next two centuries basically just added footnotes
>>to his work.

>Newton certainly killed the 2-body gravitational problem, but ...
>200 years of perturbation theory revealed enough to make it plausible that
>the solar system could be stable for billions of years
>without invoking the hand of God to fix things up.

I agree with Henry. Newton humbles us all. As for the following 370 years of
many-body perturbation and stability theory: bah! "plausible" and "could be"
are waffle-words. How can this billions of years stability stuff be science
if you can't test the result of the theory? Meet me in two billion years
for pizza. If it turned out that the solar system WAS stable, i'll buy you
a beer.

From -2997924394830537648
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,4f1820fed1c059dc,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,af8fc1931e581416
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-12-07 04:16:59 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!bu.edu!att!cbnewse!parnass
From: parnass@cbnewse.att.com (Bob Parnass, AJ9S)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Suitability of Drake R-7 receiver for shortwave listening
Message-ID: <1990Dec6.151803.9029@cbnewse.att.com>
Date: 6 Dec 90 15:18:03 GMT
Followup-To: rec.radio.shortwave
Organization: AT&T Bell Laboratories, Naperville, IL
Lines: 45
Xref: gmdzi rec.radio.shortwave:3025 rec.ham-radio:17507
Posted: Thu Dec 6 16:18:03 1990

Richard Crisp asked me about the Drake R-7 receiver and I thought there may be others interested in this model.

I had a couple of Drake R-7 receivers, an Icom R-70 and R-71A (w/passband tuning), and an JRC NRD-525 (and TR-7A and TR-7s along the way, too :-]).

The R-7 is an excellent receiver and was tops in its day. It has more and better filters and passband tuning than the R-71A, R-5000, and NRD-525. It also has a low internal noise level because it was not fully synthesized. The R-7 is easier to modify and repair than the NRD-525, which uses surface mount technology.

The R-7's synchro-phase AM detector was great for listening to foreign broadcasts in a crowded band as you could use a reduced bandwith and listen to one sideband without sacrificing fidelity.

For utility monitoring, the R-7 has some drawbacks.

1. The R-7, R-7A, TR-7, and TR-7A employed permeably tuned oscillators (PTO) in which a core was moved in and out a coil. They drifted, even after 30 minutes warmup. I measured the drift on my Drake equipment over a 4 hour period but don't have the data handy. The drift is slow but would prove annoying to RTTY/FDM monitors.
2. The Drake 7 line had no memories or scanning. These features are very, very useful to CW/SSB utility monitors.
3. The 7 line had no squelch, something an SSB/CW ute monitor would miss.
4. The R-7 lacks an FM detector which more modern receivers have. I've listened on VLF FM to carrier

```
       current intercoms, and used HF FM receivers  with  con-
       verters.

  The R-7 is a classic receiver, still excellent  for  digging
  weak  signals  out  of a pileup, but not as flexible as more
  modern gear.
--
============================================================================
Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihlpy!parnass (708)979-5414


From -3160364844761775303
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-07 04:26:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!bcm!
lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <4434@lib.tmc.edu>
Date: 6 Dec 90 13:31:42 GMT
References: <19@shasta.Stanford.EDU> <21618@ttidca.TTI.COM>
Sender: usenet@lib.tmc.edu
Followup-To: news.groups
Organization: University of Texas Medical School at Houston
Lines: 14
Xref: gmdzi news.groups:23343 rec.ham-radio:17509
Posted: Thu Dec  6 14:31:42 1990
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <21618@ttidca.TTI.COM> sorgatz@ttidca.TTI.COM ( Avatar) writes:
> To which I'd like to see the  addition  of  'rec.radio.cb'..sounds  silly
>comming  from  me,  right?  The notion is advanced that in giving people a
>_place_ for discussions related to the use of CB radio,  perhaps  it  will
>foster some healthy growth and change there.

OK, is there support for this one? If so, I'll be happy to add it to the plan.
There has been occasional CB-related discussion in rec.ham-radio, and it has
proven to be a remarkable flame generator...

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu  | adequately be explained by stupidity.
  "...flames are a specific art form of Usenet..." -- Gregory C. Woodbury


From -4893124639720393460
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
```

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 05:15:12 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpl-opus!hpcc05!hpcuhb!hpsqf!hpqmola!hpqmole!dstock
From: dstock@hpqmole.sqf.hp.com (David Stockton)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <410016@hpqmole.sqf.hp.com>
Date: 7 Dec 90 13:15:12 GMT
References: <19@shasta.Stanford.EDU>
Organization: HP,Queensferry Microwave UK
Lines: 24
Posted: Fri Dec 7 14:15:12 1990

At the risk of repeating an earlier posting, Much of the stuff that we want to leave behind:

Code/No code

The legality of using a police autopatch to order a nuclear attack on a baby gay whale.

The thinly disguised broadcasting of hatred on amateur bands.

Etc. etc.

The people who are making the most noise on these things are probably far fewer than the numbers who read rec.ham-radio. They may be incapable of ever changing their opinions, but they are not stupid. They are preaching, trying to change everyone else to their viewpoint. when they realise that their audience are not reading -legal or -rules, simple - they just cross post to everything !

:-(:-(:-(:-(:-(:-(:-(

73 de GM4ZNX

From -4130934363571749972
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a93a829e7c6376ae,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a93a829e7c6376ae,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 105d97,a93a829e7c6376ae,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-07 06:49:11 PST
Xref: utzoo rec.ham-radio:27788 rec.radio.shortwave:4413 sci.electronics:16106
Path: utzoo!utgpu!news-server.csri.toronto.edu!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!aplcen!stda.jhuapl.edu!mjj
From: mjj@stda.jhuapl.edu (Marshall Jose)

Newsgroups: rec.ham-radio,rec.radio.shortwave,sci.electronics
Subject: LSB/USB mod to Sangean 803 / DX-440
Message-ID: <1990Dec7.144911.174@aplcen.apl.jhu.edu>
Date: 7 Dec 90 14:49:11 GMT
Sender: news@aplcen.apl.jhu.edu (USENET News System)
Reply-To: @aplvax.jhuapl.edu:mjj@stda.jhuapl.edu (Marshall Jose)
Distribution: na
Organization: The Johns Hopkins University Applied Physics Laboratory
Lines: 28

I hope this isn't old news. I recently picked up a DX-440-on-sale, as well as a service manual for same, and soon set about trying to figure out how to make it receive one sideband or the other.

After getting past a delusional fixation I had about needing additional IF filters, I tried someone's advice: use the narrow (4 kHz) filter, and shift the BFO up or down 2 kHz as is needed to receive the proper sideband. It works! And rather well, indeed.

Great, but to shift the BFO you will have to get inside the unit. The "BFO" control on the front of the DX-440 only shifts the 1st LO -- it doesn't affect the BFO frequency at all.

The one to twiddle is VT103 on the A-1 assembly, which is a 100 pF trimmer capacitor in the BFO xtal oscillator circuit. Of course, doing this means that you're stuck with one or the other sideband mode after you reassemble the radio case.

I'll be puttering around in the next week or two with ways to make the mode switchable, preferably with a minumum of holes cut in the case. I'll most likely use diodes to switch in another trimmer or two.

In any event, if you've been putting up with QRM while listening to the shuttle, the above adjustment might be worth it to you.

Later,
Marshall Jose WA3VPZ
mjj%stda@aplcen.apl.jhu.edu || ...mimsy!aplcen!aplvax!mjj

From 1319241029558303000
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c4a8cd3b0a24972
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 07:33:07 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!udel!rochester!pt.cs.cmu.edu!sei!rsd
From: rsd@sei.cmu.edu (Richard S D'Ippolito)
Newsgroups: rec.ham-radio
Subject: Re: Powerline voltage too high, power co working on it
Keywords: 128V!
Message-ID: <9792@fy.sei.cmu.edu>
Date: 6 Dec 90 15:37:53 GMT

References: <114172@philabs.Philips.Com> <9780@fy.sei.cmu.edu>
<13434@encore.Encore.COM>
Reply-To: rsd@sei.cmu.edu (Richard S D'Ippolito)
Organization: Software Engineering Institute, Pittsburgh, PA
Lines: 43
Posted: Thu Dec 6 16:37:53 1990

In article <13434@encore.Encore.COM> Jerry Callen responds:

>In article <9780@fy.sei.cmu.edu> Richard S D'Ippolito writes:

>>The typical electric utility tariff (what the utility must provide under its
>>contract with your state government) calls for 120v +/- 5% at your meter, or
>>114-126 volts. You can't really complain about 126 volts. Also, a 'good'
>>digital (or analog) meter will not necessarily give an accurate reading, as
>>most of them are average-responding, rms-reading, because if there are a lot
>>of solid-state power controls on your feeder, the AC waveform can get fairly
>>chopped up.
>
>Then what IS the basis for the 120V +/- 5% if not rms? Seems like the only
>fairly repeatable reading would be peak to peak...

You apparently mis-read the note -- it _is_ RMS, but very few meters really measure it. They respond to the average value of the waveform and are calibrated in RMS equivalent of a distortionless sinewave. You have to get one that is RMS responding -- those are specially marked RMS (and many are mismarked as 'true' RMS, as if there were any other kind). Digital meters are always mismarked as to the correct number of digits, but that's another story.

RCA used to make an expanded-scale (100-140 volts) ironvane repulsion Line Monitor (TM?) having nice ballistics to show line fluctuations.

>BTW, there is all sorts of interesting hash riding on the 60Hz sine wave.
>Solid state power controls may be the least of the problem; inductive
>loads can put a lot of crap on the waveform, too.
>
>-- Jerry Callen
>   jcallen@encore.com

Only when the loads vary, otherwise they just affect phase relationships. The power company doesn't like residential phase controls because it results in poor phase relationships that it doesn't normally meter and bill for. They would be worried if the phase controlled loads became a significant portion of the total demand.

Rich

From 6076413914581501338

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3e8624e396ec8906
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 07:57:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!jws
From: jws@hpfcso.HP.COM (John Schmidt)
Newsgroups: rec.ham-radio
Subject: Re: 7K
Message-ID: <7500056@hpfcso.HP.COM>
Date: 7 Dec 90 15:57:05 GMT
References: <3557@orbit.cts.com>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 7
Posted: Fri Dec 7 16:57:05 1990

I don't have the version number handy, but the latest 7K ROMs have
linking capability, improved flexibility in message processing (selection
of which xmtr to send the msg to) and more words for the voice synthesizer,
among other things. Call them at (303) 663-6000 for details. (It sounds
as if you've got a very early revision.)

John, NK0R

From 8119372289338470756
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,a93a829e7c6376ae
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,a93a829e7c6376ae
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,a93a829e7c6376ae
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-07 07:57:10 PST
Xref: utzoo rec.ham-radio:27833 rec.radio.shortwave:4435 sci.electronics:16139
Path: utzoo!attcan!telly!problem!compus!lethe!torsqnt!news-server.csri.toronto.edu!cs.utexas.edu!wuarchive!swbatl!ken
From: ken@swbatl.sbc.com (Ken Gianino 5-9081)
Newsgroups: rec.ham-radio,rec.radio.shortwave,sci.electronics
Subject: Re: LSB/USB mod to Sangean 803 / DX-440
Message-ID: <1990Dec7.155710.2550@swbatl.sbc.com>
Date: 7 Dec 90 15:57:10 GMT
References: <1990Dec7.144911.174@aplcen.apl.jhu.edu>
Distribution: na
Organization: Southwestern Bell Advanced Technology Laboratory
Lines: 42

In article <1990Dec7.144911.174@aplcen.apl.jhu.edu>
@aplvax.jhuapl.edu:mjj@stda.jhuapl.edu (Marshall Jose) writes:
>I hope this isn't old news. I recently picked up a DX-440-on-sale, as well
>as a service manual for same, and soon set about trying to figure out
>how to make it receive one sideband or the other.
>

>After getting past a delusional fixation I had about needing additional
>IF filters, I tried someone's advice: use the narrow (4 kHz) filter,
>and shift the BFO up or down 2 kHz as is needed to receive the proper
>sideband. It works! And rather well, indeed.
>
>Great, but to shift the BFO you will have to get inside the unit. The
>"BFO" control on the front of the DX-440 only shifts the 1st LO -- it
>doesn't affect the BFO frequency at all.
>
>The one to twiddle is VT103 on the A-1 assembly, which is a 100 pF trimmer
>capacitor in the BFO xtal oscillator circuit. Of course, doing this means
>that you're stuck with one or the other sideband mode after you reassemble
>the radio case.
>
>I'll be puttering around in the next week or two with ways to make the
>mode switchable, preferably with a minumum of holes cut in the case.
>I'll most likely use diodes to switch in another trimmer or two.
>
>In any event, if you've been putting up with QRM while listening to
>the shuttle, the above adjustment might be worth it to you.
>
>Later,
>Marshall Jose WA3VPZ
>mjj%stda@aplcen.apl.jhu.edu || ...mimsy!aplcen!aplvax!mjj

I love to modify radios but I thought I might add my 2 cents worth here.
Everything you say here is correct but this mod will not buy you anything.
With a 4KHz filter your radio will still receive 4KHz worth of spectrum,
only about half of which will ever be the intended SSB signal. Shifting
the BFO to the low side of the IF <will> enable USB only reception, but
it will be just as noisy. As you suspected, you need a more narrow filter
(about 2.4 KHz for SSB). I think I would leave the BFO centered and still
be able to copy both sidebands. If you want to know which sideband you
are listening to, remember this: If you shift the frequency <up>, a USB
signal will go <down> in pitch and a LSB signal will go <up> in pitch.
Ken - WB0QNA

From 1344659590416192813
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79ce062cd18ba074
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 09:10:29 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!ron
From: ron@hpfcso.HP.COM (Ron Miller)
Newsgroups: rec.ham-radio
Subject: Re: Usenet Un-Net strikes again
Message-ID: <7500057@hpfcso.HP.COM>
Date: 7 Dec 90 17:10:29 GMT
References: <93141@aerospace.AERO.ORG>
Organization: Hewlett-Packard, Fort Collins, CO, USA

Lines: 24
Posted: Fri Dec 7 18:10:29 1990

>
> Had a good time with the Usenet Un-Net this morning, though I must say
> that it seems to be primarily an East Coast phenomenon. I could barely
> hear the stations and they could not hear me, except for one intermediate
> station who was kind enough to relay my check-in (and got my call wrong -
> it's KC6OJW, not KB6).
>
> Mike O'Brien

I listened and listened and listened. Never heard it that I could tell.

What's the criteria for the two frequencies?

How much do you guys vary frequency off of one before going to the other?
Which one is primary?

(I want to scan between the two on my channelized receiver.)

Neither East Coast nor West Coast,

Ron
NW0U
Ft. Collins, Colorado.
(I can see the lights on the WWV towers from my house :-)

From 6412647939134895939
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db799ded972c31ac
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 09:56:35 PST
Path: gmdzi!unido!mcsun!uunet!mnetor!ghp!jim
From: jim@ghp.UUCP (Jim Stewart)
Newsgroups: rec.ham-radio
Subject: Re: Major E.H. Armstrong 100th Anniversary Special Event
Message-ID: <721@ghp.UUCP>
Date: 7 Dec 90 17:56:35 GMT
References: <Dec.3.09.43.40.1990.17211@galaxy.rutgers.edu>
Reply-To: jim@ghp.UUCP (Jim Stewart)
Organization: Gellman Hayward & Partners Ltd.
Lines: 10
Posted: Fri Dec 7 18:56:35 1990

In article <Dec.3.09.43.40.1990.17211@galaxy.rutgers.edu> gubernar@andromeda (John D. Gubernard) writes:

>Major Edwin Howard Armstrong, famed radio pioneer was born on Dec 18, 1890,
>and fell to his death on Feb 1, 1954.

How did he fall??

--
Jim Stewart, VE3SRJ
UUCP: jim%ghp@mnetor.uucp
BELL: (416)862-0430

From -7720612699012386378
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a2bb489c3f8c8e07,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 10:45:25 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!van-bc!ubc-cs!alberta!herald.usask.ca!weyr!f31.n140.z1.FIDONET.ORG!Dan.Garret
From: Dan.Garret@f31.n140.z1.FIDONET.ORG (Dan Garret)
Newsgroups: rec.ham-radio
Subject: commodore c64
Message-ID: <1001.2761D634@weyr.FIDONET.ORG>
Date: 7 Dec 90 18:45:25 GMT
Sender: ufgate@weyr.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:140/31 - The Bit Bucket, Regina Sask
Lines: 8
Posted: Fri Dec 7 19:45:25 1990

hey there i'm sellin an awesome c64 keyboard. which just happens to be perfect for HAM radio users. this key board will go around um lets see anywhere between $60-$80 from me.So if yer interested leave me a message and i'll reply as soon as possible BBFn.
]

--
Dan Garret - via FidoNet node 1:140/22
UUCP: ...!herald!weyr!31!Dan.Garret
Domain: Dan.Garret@f31.n140.z1.FIDONET.ORG
Standard Disclaimers Apply...

From -756527241907894662
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a8d6d2c2482b442
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 11:26:24 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!sdd.hp.com!hplabs!hpfcso!hpfcmdd!hpbbrd!hpbbn!hpcc05!hpcuhb!hpda!hpwala!hpnjld!eyg
From: eyg@hpnjld.HP.COM (Ed Gilbert)
Newsgroups: rec.ham-radio
Subject: Re: CMOS Super Keyer II, 11/90 QST
Message-ID: <4140028@hpnjld.HP.COM>
Date: 7 Dec 90 19:26:24 GMT
References: <4538@apricot29.UUCP>
Organization: Hewlett Packard NJD, Rockaway NJ
Lines: 6
Posted: Fri Dec 7 20:26:24 1990

One question about this CMOS Super keyer: can the iambic feature
be turned off? I'm used to a W9TO style keyer, which I use
with a dual lever paddle. It is not iambic, and whenever I try
to use an iambic keyer I send garbage.

Ed WA2SRQ

```
From 4811304797045998774
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c5092928f391e452,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 11:47:13 PST
Path: gmdzi!unido!mcsun!uunet!abvax!iccgcc!macmillan
From: macmillan@iccgcc.decnet.ab.com
Newsgroups: rec.ham-radio
Subject: The Amateur Radio Ops. well stocked library.
Message-ID: <2345.275fab71@iccgcc.decnet.ab.com>
Date: 7 Dec 90 19:47:13 GMT
Lines: 12
Posted: Fri Dec  7 20:47:13 1990
```

I am thinking of adding a book on receivers to my library,

has anyone read/reviewed this book?

COMMUNICATIONS RECEIVERS
Principles and Design
by U.L. ROHDE and T.T.N. BUCHER
608 pages, 402 illus.

It is available from the McGRAW HILL book club.

```
From -5548776362417471053
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4eaae53c8d9cb9d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 11:48:31 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!nddsun1!dover!darla!waters
From: waters@darla.sps.mot.com (Strawberry Jammer)
Newsgroups: rec.ham-radio
Subject: Re: Alinco control
Message-ID: <2490@dover.sps.mot.com>
Date: 7 Dec 90 19:48:31 GMT
References: <9012061234.AA02681@ucsd.edu>
Sender: usenet@dover.sps.mot.com
Reply-To: waters@darla.sps.mot.com (Strawberry Jammer)
Organization: Hacker's haven
Lines: 25
Posted: Fri Dec  7 20:48:31 1990
```

In article <9012061234.AA02681@ucsd.edu> PERRYR@WABASH.BITNET (GWYFFD) writes:
{
{   All in all, I've been very happy with the rig, my first foray into the
{world of 2m. The only bad things I have to say about it are
{
{1) The manual STINKS to high heaven. It's obviously a translation from
{Japanese, and it's more confusing than it is useful. It took me 3 weeks to
{figure out the DTMF/CTCSS functions.

Seems to be a generic problem with Alinco. My new DR590 manual (no charge from Alinco) is MUCH better than the original. Might be worth a phone call.

{2) Alinco has a good radio, but there are NO accessories available for the
{HT's. . . They shipped the rigs to get them on the market, but haven't supported
{them. A speaker/mike would be nice, as would DC adapters, etc...

You migh try Reno Radio (in Reno NV of course :-)) I don't have their phone number, but they advertise in QST. They seem to take extra trouble to stock Alinco stuff, a local ham got a DR-160 speaker/mike from them, then I got the DR590 remote control kit from them. Delivery from stock in both cases!

*Mike Waters   AA4MW/7 waters@dover.sps.mot.com *

** If guns are outlawed, how will conservatives win arguments? **

From -6767955036442640376
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3138ac8511de9b20,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 11:57:00 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
NERUS.PFC.MIT.EDU!MRL
From: MRL@NERUS.PFC.MIT.EDU
Newsgroups: rec.ham-radio
Subject: Suggestions for portable short radio?
Message-ID: <F2A3B8843A31403C66@NERUS.PFC.MIT.EDU>
Date: 7 Dec 90 19:57:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Fri Dec 7 20:57:00 1990

Someone here where I work was asking me for a recommendation for an inexpensive portable short wave radio. ("One of the new phase locked loop ones!") He saw an ad from a mail order place called DAK that is selling one for $50. I suggested he consider paying a bit more than that if he wants a decent one. Am I wrong? Can anyone suggest one for him? Thanks.
Mark/K1PR
Please respond directly to me. I'm not on this mailing list.

From 9026686420215988670
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98121c16852689b1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 12:01:21 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: Reorganization
Message-ID: <y5RTT1w163w@phoenix.com>
Date: 7 Dec 90 20:01:21 GMT
References: <CMM.0.88.660594143.rdixon@magnus.ircc.ohio-state.edu>
Organization: One Man Brand
Lines: 24
Posted: Fri Dec 7 21:01:21 1990

Bob_Dixon@osu.edu writes:

> I agree with the current proposals to split rec.ham-radio into smaller
> subgroups. I am less concerned about what the subgroups are than about the
> need for doing it. It is just too big now.
>

The current proposal does not split rec.ham-radio into smaller subgroups. All it does is rename the existing ones. Rec.ham-radio becomes rec.radio.ham. rec.ham-radio.packet becomes rec.radio.ham.packet. The only new thing is the creation of a .legal (.rules or whatever) group.

There are three groups now. The same three will exist, adding only the legal one.

A better proposal would be to simply add rec.ham-radio.legal. It accomplishes the same thing as the longer proposal does, with less work and confusion.

<> "If winning is not important, then why keep score?" -- Turtle Head
<> "Eaten any good books lately?" -- Q
<> "Sanity check!" "Sorry, we can't accept it, it's from out of state." - me

---

From 5784671071903484570
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,86e4e58a8cab0687
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 12:32:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Reciprocal operating in France?

Message-ID: <1250290@hpnmdla.HP.COM>
Date: 7 Dec 90 20:32:11 GMT
References: <5637@qip.UUCP>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 13
Posted: Fri Dec 7 21:32:11 1990

In rec.ham-radio, john@anasaz.uucp (John Moore) writes:

>I expect to spend considerable time in France early next year.
...
>We don't speak ANY French - is that a problem?

You really only need to know one phrase:

"Ou est le lavabo?" = Where is the toilet?

For any OTHER request you can use sign language.

AL N1AL

From 1140535849565849880
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-07 12:58:12 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!think.com!yale!cs.yale.edu!yarvin-norman
From: yarvin-norman@cs.yale.edu (Norman Yarvin)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <27639@cs.yale.edu>
Date: 6 Dec 90 22:08:15 GMT
References: <19@shasta.Stanford.EDU> <1403@necis.UUCP> <34186@netnews.upenn.edu>
Sender: news@cs.yale.edu
Followup-To: news.groups
Lines: 16
Xref: gmdzi news.groups:23353 rec.ham-radio:17519
Posted: Thu Dec 6 23:08:15 1990
Nntp-Posting-Host: turquoise.systemsx.cs.yale.edu
Originator: yarvin@turquoise.CS.Yale.Edu

depolo@eniac.seas.upenn.edu (Jeff DePolo) writes:
>> I think that only 'hams' know what the term 'ham' radio really means.
>
>Sounds like a good idea to me. We could use more members, and I think
>"amateur" is more recognizable to non-hams.

This seems exaggerated. I have been involved neither in actual ham radio
nor in the newsgroup, but have known the meaning of the word for ages.

Do you really want those who don't know what a ham is to post?

--
Norman Yarvin   yarvin-norman@cs.yale.edu
 "It's safer to be heartless than to be mindless. The history of the world
 is the triumph of the heartless over the mindless."
         -- Sir Humphrey Appleby, _Yes_Minister_

From -1552509096941151111
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 13:06:59 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!udel!princeton!twg.com!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: Re: Another look at Radar Detector Legality for Hams
Message-ID: <8402@gollum.twg.com>
Date: 7 Dec 90 02:02:29 GMT
References: <647@wells.UUCP> <1990Dec1.073534.11978@Neon.Stanford.EDU>
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 28
Posted: Fri Dec 7 03:02:29 1990

In article <1990Dec1.073534.11978@Neon.Stanford.EDU> kaufman@Neon.Stanford.EDU (Marc T. Kaufman) writes:

>In article <647@wells.UUCP> k3tx@wells.UUCP (Dave Heller) writes:
> >Such garbage. If radar helps keep the highways slower=safer, i'm all for
> >it. Make radar detectors illegal everywhere!

Whereupon Mr. Kaufman attempts to argue with said logic and concludes with the rhetorical,

>So which is it to be... road safety or more revenue?

This is getting well outside the world of ham radio, but still touches on something I find curious. When I got my ticket I'll have to admit to joining into a few sideband ragchews. One thing that struck me about the common mentality I tended to find there (American sidebanders) was precisely this authoritarian bent Dave Heller demonstrates wherein the collective good is presumed to be so much more important than individual liberties and is viewed as being so dependent upon the welfare of the individual that society as a whole (meaning, of course, government) has an obligation to restrict the individual's liberties in those areas where exercise of the liberties might allow him to do harm to himself. I think this was one of the founding principles of California, so it doesn't surprise me to see this in the locals, but it seems to me that this is also characteriscit of American hams in general, or at least the sidebanders.

By and large, these people tend to be in favor of mandatory seat belt laws, probably would support the mandatory earthquake insurance law California just passed, are distinctly intolerant when it comes to issues of drug use, etc. Maybe this is just a function of the average age of the U.S. ham population. Does anybody know? Why ARE American hams such rednecks?

From -3764484148661889258
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95dcea8e7f0bf042
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 13:58:58 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcuha!aspen!hpcc05!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: Lojack Direction Finders SPOTTED
Message-ID: <27080037@col.hp.com>
Date: 7 Dec 90 21:58:58 GMT
References: <1990Dec6.212849.16743@cbnewsc.att.com>
Organization: HP Colorado Springs Division
Lines: 9

Are they located in a "quad" pattern? I.e., looking down:

```
             X        X




             X        X
```

If so, I believe you would be correct.

From -2008192917884949454
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a7b7bfab4ff87cc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 14:12:28 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio
Subject: Houston Baloon Lauch Status?
Message-ID: <4315@radio.oakhill.UUCP>
Date: 7 Dec 90 22:12:28 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 4
Posted: Fri Dec 7 23:12:28 1990

What ever happened with the scheduled Houston baloon launch?
Did it go? Was it postponed? Is it rescheduled?

-C.T. Wb4HVD

From -4045728189767411036
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8623bd0e8800b27,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 16:05:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!agate!
ucbvax!lynx.northeastern.edu!sehrlich
From: sehrlich@lynx.northeastern.edu
Newsgroups: rec.ham-radio
Subject: Apple 2 & Kermit
Message-ID: <memo.605195@lynx.northeastern.edu>
Date: 7 Dec 90 01:15:32 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4
Posted: Fri Dec 7 02:15:32 1990

Thanks to all who sent me messages regarding how I can obtain a copy of
Kermit for my Apple IIc.

73s de KA1WNU/KT (sehrlich@lynx.northeastern.edu)

From -5971879323167256650
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 16:27:43 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!
elroy.jpl.nasa.gov!lll-winken!unixhub!shelby!neon!kaufman
From: kaufman@Neon.Stanford.EDU (Marc T. Kaufman)
Newsgroups: rec.ham-radio
Subject: Re: Another look at Radar Detector Legality for Hams
Message-ID: <1990Dec7.031031.13516@Neon.Stanford.EDU>
Date: 7 Dec 90 03:10:31 GMT
References: <647@wells.UUCP> <1990Dec1.073534.11978@Neon.Stanford.EDU>
<8402@gollum.twg.com>
Organization: Computer Science Department, Stanford University
Lines: 7
Posted: Fri Dec 7 04:10:31 1990

In article <8402@gollum.twg.com> sawyer@twg.com (Bruce B. Sawyer) writes:

>Does anybody know? Why ARE American hams such rednecks?

Because only rednecks have enough land to erect an antenna farm. :-)

Marc Kaufman (kaufman@Neon.stanford.edu)

From -1079221291731498601

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-07 16:50:26 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!cs.umn.edu!msi.umn.edu!news.cs.indiana.edu!
samsung!cs.utexas.edu!sun-barr!newstop!texsun!csccat!adept!alan
From: alan@adept.UUCP (Alan Ruffer)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <339@adept.UUCP>
Date: 8 Dec 90 00:50:26 GMT
References: <19@shasta.Stanford.EDU> <1403@necis.UUCP>
Reply-To: alan@adept.UUCP (Alan Ruffer)
Followup-To: news.groups
Organization: Perfect Partners Inc., Sulphur, LA
Lines: 33
Xref: gmdzi news.groups:23432 rec.ham-radio:17630
Posted: Sat Dec  8 01:50:26 1990

In article <1403@necis.UUCP> rbono@necis.UUCP ( NM1D) writes:
text deleted...
>
>  Basically, what I am saying is that all references to the slang 'HAM'
>should be changed to 'AMATEUR'.... therefore 'rec.radio.ham' becomes
>'rec.radio.amateur' and so on.   This will not cause confusion on anyones part.
>PLEASE, if we are going to change names of the group, lets go for the
>full name:
>
>    rec.radio.amateur
>    rec.radio.amateur.packet
>    rec.radio.amateur.swap
>    rec.radio.amateur.legal    (yes, I think this subgroup can be added,
>                                although I wonder how many people will 'read'
>                                it at all!)

I agree 100% with the above!  Since we are going through the process, lets
get the names of the groups to correspond to convention.  Also lets
make the group names descriptive.  Get rid of the "ham" and substitute
amateur!

While I am not sure that rec.radio.amateur.legal is the best name for the
                           ^^^^^
additional group, I do not have a better suggestion so will go along with
this until a better idea comes along.

+----------------------------------------------------------------------------+
| Alan R. Ruffer      UUCP: {csccat,chinacat!holston}!adept!alan             |
| Route 1, Box 1745   Amateur Radio Station WB5FKH                           |
| Sulphur, LA 70663   BBS: (318) 527-6667, 19200(PEP)/9600(V.32)/2400/1200 |
|                                                                            |
| "A witty saying proves nothing." -- Voltaire                               |
```

+--+

From -6862699121028229761
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8f23d1cb8def3cd0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 17:03:13 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio
Subject: Shuttle Heard LOUDLY
Keywords: shuttle sts35
Message-ID: <4306@radio.oakhill.UUCP>
Date: 7 Dec 90 06:02:02 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 16
Posted: Fri Dec 7 07:02:02 1990

I heard the Shuttle tonight on it's circa 11:30 pm pass (12/6/90).
Boy! They fooled me! When I first turned on my scanner to 145.51 MHz I
thought I was listening to someone down the street yaking on the
Shuttle frequency! It turned out to be one of the crew members,
not Ron P. but someone else, talking to his family. I was using
my Radio Shack PRO-34 with NO preamp and a 19" whip antenna. Presumably Ron was in control of the transmitter as any good ham would
be. I guess the earth-side of the conversation was in Houston TX area.
This was a ~55 degree max elevation pass.

-Charlie Thompson
WB4HVD
Austin, TX

From -2944989293307844842
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 17:05:44 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!newstop!texsun!csccat!adept!alan
From: alan@adept.UUCP (Alan Ruffer)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <340@adept.UUCP>
Date: 8 Dec 90 01:05:44 GMT
References: <1990Dec6.095416.7724@EE.Surrey.Ac.UK> <qo4RT4w163w@phoenix.com>
Reply-To: alan@adept.UUCP (Alan Ruffer)
Organization: Perfect Partners Inc., Sulphur, LA
Lines: 24

Posted: Sat Dec 8 02:05:44 1990

In article <qo4RT4w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
>
>eep1mw@surrey.ac.uk (Mike Willis) writes:
>>
>> I had enough difficulty getting the University to enable the current
>> groups, changing things just makes life difficult. We will probably lose
>> the service altogether.
>> Mike.
>
>   Bravo! Like the old saying goes, if it ain't fix, don't broke it.
>

This is utter nonsense! One groups administrative problems, either
real or perceived, do NOT constitute a logical justification for opposing
real progress which is needed in this case.

```
+----------------------------------------------------------------------------+
| Alan R. Ruffer      UUCP: {csccat,chinacat!holston}!adept!alan             |
| Route 1, Box 1745   Amateur Radio Station WB5FKH                           |
| Sulphur, LA 70663   BBS: (318) 527-6667, 19200(PEP)/9600(V.32)/2400/1200 |
|                                                                            |
| "A witty saying proves nothing." -- Voltaire                               |
+----------------------------------------------------------------------------+
```

From 676181996651179029
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-07 17:22:42 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio,news.groups
Subject: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <1990Dec7.061211.27591@ux1.cso.uiuc.edu>
Date: 7 Dec 90 06:12:11 GMT
Organization: University of Illinois at Urbana
Lines: 202
Xref: gmdzi rec.ham-radio:17549 news.groups:23367
Posted: Fri Dec 7 07:12:11 1990

This posting [198 lines] is a collection of replies to postings:
> From: davidsen@crdos1.crd.ge.COM (Wm E Davidsen Jr)
> From: randall@Virginia.EDU (Ran Atkinson)
> From: sorgatz@ttidca.TTI.COM (Avatar)
> From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
> From: jpd@pc.usl.edu (Dugal James P.)
> From: eep1mw@surrey.ac.uk (Mike Willis)

> From: pbhx@midway.uchicago.edu (Peter B. Hayward)
> From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
> From: stanley@phoenix.com (John Stanley)

> From: davidsen@crdos1.crd.ge.COM (Wm E Davidsen Jr)
> Date: 5 Dec 90 14:34:04 GMT
>
> Finally, I don't personally like the .legal name, as it encourages
> thought of "what part is not legal?" If you can can think of a beter
> name (ie. more descriptive) it might aid in identifying the group. I
> don't really care for legal-issues or legalities, but perhaps
> regulations would be better, since you will probably be talking mostly
> about things which are not laws (passed by congress) but regulations
> from the FCC.

This depends on what you want in the subgroup. I believe most everyone wants to see the "no code wars" and the "pizza patch wars" put away in this subgroup. But what about issues like "antenna covenants" and stuff like "urban zoning" as it relates to ham (excuse me, amateur) radio?

Also there are legal issues related to radio but NOT amateur radio, such as the issues related to listening to private transmissions. Maybe we need:

rec.radio.legal

or even:

rec.radio.moral :-) [smiley means I am NOT serious]

> From: randall@Virginia.EDU (Ran Atkinson)
> Date: 5 Dec 90 16:39:57 GMT
>
> The new heirarchy should be rec.radio.AMATEUR though not rec.radio.HAM
> because the jargon term "Ham-Radio" is not common outside North America
> and large portions of the net are now outside North America (unlike
> when the current group was created). By using the normal, non-US-jargon
> terminology the namespace is clearer and easier for folks to use. It
> is also easier for folks potentially interested in becoming licensed
> Amateur Radio Operators find the right newsgroup.

This is yet another opportunity to further promote a more modern amateur radio service and shrug off the "ham" concept which is some people's minds is someone "hamming it up" on a radio in a way much like CB.

> I'd also advocate mv'ing the parent group into a .misc group
> (or equivalent) to reduce cross-posting and make the namespace simpler
> (hence easier to use). I know that Jay won't like this last idea
> since he`s opposed the whole .misc concept in news.groups, but I still
> see lots of hard evidence that the concept works in the general case
> not just in comp.sys.*

If this concept works, what was the original problem in the first case?
I really don't see any particular need to do this.

> From: sorgatz@ttidca.TTI.COM (Avatar)

> Date: 5 Dec 90 18:25:16 GMT
>
> To which I'd like to see the addition of 'rec.radio.cb'..sounds silly
> comming from me, right? The notion is advanced that in giving people a
> _place_ for discussions related to the use of CB radio, perhaps it will
> foster some healthy growth and change there.

Sounds like an interesting idea. It would certainly "document" the
differences and perhaps reduce a lot of the "is this the CB group"
question postings.

> From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
> Date: 5 Dec 90 19:18:52 GMT
>
> I'm not married to rec.radio.ham versus rec.radio.ham.misc; comments, folks?
> For that matter, there seems to be some sentiment for .amateur versus .ham;
> I'd like to see some kind of consensus one way or the other.

consensus_for_amateur += ka9wgn;
/* C lingo for add vote to the .amateur idea */

> The name .legal came from the commonest flame on rec.ham-radio: "You can't do
> that, it's illegal!" It describes the intended traffic pretty well.

Jay, do we want to include NON-FCC legal issues as well, such as local
zoning and covenant problems?

> From: jpd@pc.usl.edu (Dugal James P.)
> Date: 5 Dec 90 23:00:36 GMT
>
> I agree; how about calling it "rules" rather than "legal" ?

If we want to limit the group to FCC rules, then ".rules" would work.
DO NOT use ".fcc" since this is a world-wide newsgroup.

> From: eep1mw@surrey.ac.uk (Mike Willis)
> Date: 6 Dec 90 09:54:16 GMT
>
> I had enough difficulty getting the University to enable the current
> groups, changing things just makes life difficult. We will probably lose
> the service altogether.
> Mike.

Usenet changes newsgroups often (read news.groups) and there should be
in place some administrative or automatic function to keep things up to
date there. Why don't you offer to help do it?

Really now, should the rest of us be bound to limitations which are the
cause of one or a few systems having insufficient system administrator
resources or competency? I say we should not. Sorry, Mike.

> From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
> Date: 6 Dec 90 13:31:42 GMT

```
>
> In article <21618@ttidca.TTI.COM> sorgatz@ttidca.TTI.COM ( Avatar) writes:
> > To which I'd like to see the  addition  of  'rec.radio.cb'..sounds  silly
>
> OK, is there support for this one? If so, I'll be happy to add it to the plan
> There has been occasional CB-related discussion in rec.ham-radio, and it has
> proven to be a remarkable flame generator...

It has my support.  As I mentioned before I believe it could readily show
that there *IS* a difference.  Lots of people still don't know there is a
difference between ham or amateur radio and CB radio.
-----------------------------------------------------------------------------
> From: pbhx@midway.uchicago.edu (Peter B. Hayward)
> Date: Thu, 6 Dec 90 15:55:09 GMT
>
> I completely agree with this proposal to change the proposed name to
> ...rules.  I have been very uneasy about the ...legal name, believing that
> it would *not* be intuitively obvious what *should* be in the new
> group.  I felt the result would be that people would cross-post
> to several rec.ham-radio groups, thus increasing the noise level.
> With rec.ham-radio.rules (or rec.radio.amateur.rules) we might
> save some bandwidth (and sanity).

If someone has a legal issue, such as:
     is it legal to...
     is it illegal to...
     we should remove rule...
     we should add rule...
and cross posts it, then the the problem is with someone who is simply
not thinking about what they are doing.  Eliminating ALL these groups
would clearly get rid of that problem.  Of course we don't want to do
that.  The difference between "legal" and "rules" is small, but there
is some.  The NON-rules things would be left out.  Maybe that is what
the consensus wants in which case ".rules" would be appropriate.
-----------------------------------------------------------------------------
> From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
> Date: 6 Dec 90 18:42:14 GMT
>
> r.r.a.legal seems a bit too specific.  Legal debates (e.g. regulation
> debates, tower ordinances, etc.) seem to come and go in spurts.  I
> don't see the use of having a seperate group for just this particular
> aspect of normal traffic.

Sometimes it comes in floods.  More often in firestorms.  When it does
come, it seems to be causing readers to drop off.

> r.r.a.swap might be better as just rec.radio.swap, since this may encourage
> others with non-amateur-specific yet amateur-related equipment to post
> here as well.  For example, test equipment, SW receivers, scanners,
> microwave equipment, etc. is of interest to hams, but is not necessarily
> ham specific.  Traffic on the current r.h-r.swap is relatively light
> the way it is now (probably averages about 8 articles/day), so expanding
> it seems to be logical.
```

That seems like a reasonable argument. While there might be some reason to separate amateur-only swap posting so that they can be fed into a packet network, that might be a BAD THING by encouraging the lack of someone (carbon based unit) filtering the messages. But this is a matter for rec.radio.amateur.legal when it comes online (presumptuous aren't I).

> Another idea, though I don't feel too strongly one way or the other
> on this one. Make it rec.radio.amateur.digital instead of .packet.
> This may encourage discussion of possible new modes other than
> what we commonly consider "packet" (e.g. spread-spectrum). Oops.
> I can see it now. Some of the die-hard CW ops will decide that
> this is their place to hang out. :-)

This is probably where r.r.a.tech or such might be better. Where would you like to classify transmitting voice by digital, but not packet, means?

> From: stanley@phoenix.com (John Stanley)
> Date: Thu, 06 Dec 90 17:15:37 EST
>
> eep1mw@surrey.ac.uk (Mike Willis) writes:
> >
> > I had enough difficulty getting the University to enable the current
> > groups, changing things just makes life difficult. We will probably lose
> > the service altogether.
> > Mike.
>
>   Bravo! Like the old saying goes, if it ain't fix, don't broke it.

Phil's corollary:
If I was able to fix it, then it must have been broken.

--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -7710568331456212297
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c5092928f391e452
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 17:25:31 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!emory!athena.cs.uga.edu!mcovingt
From: mcovingt@athena.cs.uga.edu (Michael A. Covington)
Newsgroups: rec.ham-radio
Subject: Re: The Amateur Radio Ops. well stocked library.
Message-ID: <1990Dec8.012531.19987@athena.cs.uga.edu>
Date: 8 Dec 90 01:25:31 GMT
References: <2345.275fab71@iccgcc.decnet.ab.com>
Organization: University of Georgia, Athens
Lines: 13
Posted: Sat Dec 8 02:25:31 1990

In article <2345.275fab71@iccgcc.decnet.ab.com> macmillan@iccgcc.decnet.ab.com writes:

> I am thinking of adding a book on receivers to my library,
> has anyone read/reviewed this book?
>
> COMMUNICATIONS RECEIVERS
> Principles and Design
> by U.L. ROHDE and T.T.N. BUCHER
> 608 pages, 402 illus.
>
> It is available from the McGRAW HILL book club.

It's rather good; there's nothing else quite like it. Good chapter on active antennas, especially. It certainly does not duplicate other books.

From 1619749304549810248
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8fa34cc2e0803bb2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 17:34:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Special event
Message-ID: <1655@ke4zv.UUCP>
Date: 8 Dec 90 01:34:54 GMT
References: <F44CBF66F5FFA06D94@ROSEVC.Rose-Hulman.Edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 15
Posted: Sat Dec 8 02:34:54 1990

In article <F44CBF66F5FFA06D94@ROSEVC.Rose-Hulman.Edu> DERRY@ROSEVC.Rose-Hulman.EDU writes:

>
>All bands (except 30, 17, and 12 m) and all modes will be used, depending on the members' preference. W9UUU, the club station, located in Terre Haute, Indiana, will be on the air for the special event on various frequencies that conform to band usage, propogation conditions, and operators' prejudices.

This is not a flame. Special event stations are neat. It just struck me that I see the phrase "all bands" a lot when only the five traditional HF bands are meant. I think this reflects a mindset in amateur radio that may result in there only being five (or seven) bands left for ham radio some day. Pity.

Gary KE4ZV

From -1932340992871313986
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0aaa3358b071a9a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 17:49:53 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Zepp Antennas
Message-ID: <686.27601142@w8grt.fidonet.org>
Date: 8 Dec 90 01:49:53 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 25
Posted: Sat Dec 8 02:49:53 1990

 > From: tad@ssc.UUCP (Tad Cook)
 > Date: 5 Dec 90 20:08:51 GMT
 > Organization: very little
 > Message-ID: <612@ssc.UUCP>
 > Newsgroups: rec.ham-radio
 >
 > In article <1990Dec2.223924.8533@informix.com>, randall@informix.com
 > (Randall Rhea) writes:
 > > Now that we're on the subject of Zepp antennas ... it is OK to have
 > > the top part of the antenna slope at an angle, like an inverted V? That's
 > > the setup I have. So far, it seems to work OK.
 >
 > Shouldn't be any problem with this...BUT, it may do some funny things
 > at higher frequencies. If you are using a 130 foot zepp on 10 mtrs,
 > I think the directivity off the ends might be a bit funny, possibly
 > directing lots of energy toward the ground.

If any straight but sloped horizontal antenna within a half wavelength or
less of the ground, it will tend to be directional toward the lower end.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -3392269271427382496
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-07 18:21:06 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: news.groups,rec.ham-radio

Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <1656@ke4zv.UUCP>
Date: 8 Dec 90 02:21:06 GMT
References: <19@shasta.Stanford.EDU>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Followup-To: news.groups
Organization: Gannett Technologies Group
Lines: 60
Xref: gmdzi news.groups:23407 rec.ham-radio:17591
Posted: Sat Dec 8 03:21:06 1990

In article <19@shasta.Stanford.EDU>, paulf@shasta.Stanford.EDU (paulf) writes:

> Jay Maynard and I propose the following reorganization of the rec.ham-radio
> hierarchy:
>
> PROPOSED ADDITIONS:
>
> 1. rec.radio.ham
>   "A General newsgroup for discussions about amateur radio."
> 2. rec.radio.ham.legal
>   "A newsgroup for the discussion of legal aspects of amateur radio."
> 3. rec.radio.ham.packet
>   "A newsgroup for discussions about amateur packet radio."
> 4. rec.radio.ham.swap
>   "A forsale group for the rec.radio.ham hierarchy."
>
> PROPOSED DELETIONS:
>
> 1. rec.ham-radio
>   Now superseded by rec.radio.ham and rec.radio.ham.legal.
> 2. rec.ham-radio.packet
>   Superseded by rec.radio.ham.packet
> 3. rec.ham-radio.swap
>   Replaced by rec.radio.ham.swap

The fallacy of this proposal as I see it is that rec.radio.ham.legal will consist of cross-posts to/from the base group. The purpose of many of the posts that prompted this proposed reorganization of the groups is to wake up amateurs to the political implications for the survival of amateur radio of many regulatory matters. These posters will continue to cross-post in an attempt to get the widest readership. In addition, many of the postings that the reorganizers want shifted to legal are triggered by posts in the base group and will continue to be answered in the base group until a flurry of postings begging for the thread to be taken to legal are received in the base group. This is not the intended result of this reorganization.
A better plan (IMHO) is as follows:

1. rec.radio.ham.bland
     A safe smug little hole for those offended by controversy. No posting of mods allowed. No postings about antenna matching allowed. No code/no-code postings allowed. No mention of autopatches allowed. No mention of the future of amateur radio allowed. No postings about VECs allowed. No mention of using amateur radio in aircraft or trains

allowed. Don't even use the letters A R R L in this group. No content allowed.

2. rec.radio.ham.misc
   A general replacement for the current rowdy base group.

3. rec.radio.ham.swap
   The swap group works relatively well, though for sale postings do continue to be seen in the base group.

4. rec.radio.ham.packet
   The packet group works relatively well, though it too seems full of cross-posts lately.

Don't even THINK of renaming the groups "amateur" rather than "ham", that's MUCH too controversial.

Gary KE4ZV

From -431635820690854112
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c4a8cd3b0a24972
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 18:22:50 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!xylogics!samsung!crackers!m2c!wpi.WPI.EDU!gkd
From: gkd@wpi.WPI.EDU (Gregory K Doerschler)
Newsgroups: rec.ham-radio
Subject: Re: Powerline voltage too high, power co working on it
Keywords: 128V!
Message-ID: <1990Dec7.091214.10306@wpi.WPI.EDU>
Date: 7 Dec 90 09:12:14 GMT
References: <114172@philabs.Philips.Com> <w39PT5w163w@phoenix.com>
Organization: Worcester Polytechnic Institute
Lines: 21
Posted: Fri Dec 7 10:12:14 1990

In article <w39PT5w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
>
>   A friend of mine was the victim of a power company
>mistake. They rewired his transformer and started feeding him 400V. They
>paid for his microwave, refridgerator, clocks, and answering machine.
>

I had a somewhat similar experience at a former apartment. Everything was working fine until the landlord decided to replace the water pipe coming into the house. (It was all gunked up on the inside so that if more than one faucet was on at a time the water pressure disappeared.) Anyway, as soon as the contractor cut the old pipe a big spark shot out of it and the AC voltage in the house went UP! I'm not sure how high (I wasn't home), but I'm guessing 220V. Apparently the ground (neutral) at the utility pole wasn't hooked up or something of the sort, so that the only ground was through our water pipe (until it was cut).

Anyway, we lost most of the smoke detectors, light bulbs, a doorbell, and
I think a radio or TV set downstairs. I don't think the utility paid
anything. Fortunately, all my stuff survived; it was off at the time.

Greg

From 7505041750821032545
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 18:56:55 PST
Path: gmdzi!unido!mcsun!uunet!fernwood!apple!usc!wuarchive!emory!kd4nc!km4ba!alan
From: alan@km4ba.UUCP (Alan Barrow)
Newsgroups: rec.ham-radio
Subject: Re: Internet-Packet Reply (LONG!)
Message-ID: <210@km4ba.UUCP>
Date: 8 Dec 90 02:56:55 GMT
References: <678.275CF8F8@w8grt.fidonet.org>
Organization: km4ba's packet radio gateway, Atlanta GA.
Lines: 26
Posted: Sat Dec 8 03:56:55 1990

Jim.Grubs@w8grt.fidonet.org (Jim Grubs, W8GRT) writes:

stuff deleted....

>[Sorry to offend the rec.ham-radio.legal proponents, but if you look up from
>your ivory tower technical tinkering some day and discover that the politics
>of regulation have eliminated the hobby altogether, don't ask why "somebody"
>failed to notice and take care of the problem.]

This is from the guy who thinks we should adapt Canadian rules requiring
a license to even own a transmitter.

I have noticed that in most of Jim's posts, that he favor's additional
or new restrictions. Many of his viewpoints I disagree with because
they further restrict dwindling rights of US citizens. (Scanners
and firearm ownership comes to mind.)

Am I the only one to notice the mixed signals?

Alan Barrow km4ba
..!gatech!kd4nc!km4ba!alan

>--
>Jim Grubs, W8GRT - via FidoNet node 1:234/1
>UUCP: ...!uunet!w8grt!Jim.Grubs
>INTERNET: Jim.Grubs@w8grt.fidonet.org

From 7034355614498435303
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 19:05:18 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!sun-barr!
rutgers!netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <183@platypus.uofs.edu>
Date: 7 Dec 90 13:33:40 GMT
References: <1990Dec6.142625.26900@mozart.amd.com> <ck4RT2w163w@phoenix.com>
Organization: University of Scranton, Scranton, PA
Lines: 33
Posted: Fri Dec 7 14:33:40 1990

In article <ck4RT2w163w@phoenix.com>, stanley@phoenix.com (John Stanley) writes:
]
] reed@mozart.amd.com (David F. Reed) writes:
]
] > I also like the re-structure, but find it might offer more clarity to go
] > with rec.radio.amateur , etc.; in either case, I support the move to conform
] > to net standard/convention...
]
]   Errrr, what is not standard about rec.ham-radio? Other than the
] inhabitants, what is unconventional about it? It tells you right off what
] it is, certainly better than things like comp.sources.d (what, the next
] language after C?)
]

I agree with this completely. rec.ham-radio has been here since the
very early times. If anything is non-conforming, it is rec.radio which
is now trying to assume control of a group that has done just fine
without it, Thank you.

]   Just because there is a rec.radio.* is not a reason to change
] rec.ham-radio.
]

It seems we have once again forgoten the old adage:

If it ain't broke, don't fix it!!

bill   KB3YV
--

     Bill Gunshannon | If this statement wasn't here,
     bill@platypus.uofs.edu | This space would be left intentionally blank

From 1456427470650593692
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b33768455025e352

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 19:40:56 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!masscomp!ocpt!tsdiag!
davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: Alinco 2M/440 Xcvr with DTMF control
Message-ID: <1214@tsdiag.ccur.com>
Date: 7 Dec 90 15:31:15 GMT
References: <27080030@col.hp.com> <2477@dover.sps.mot.com> <1650@ke4zv.UUCP>
Organization: Concurrent Computer Corp. Oceanport NJ
Lines: 24
Posted: Fri Dec  7 16:31:15 1990

In article <1650@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
-
-I have the Alinco 570T ...
-take a hard look at the 570 first. It's cheaper and does what most folks
-want right out of the box. If you don't really *need* remote touchtone
-control, it's a real win.

Maybe I should mention my experience with my 570T.  It performs flawlessly
in most respects, but it does have one _very_ annoying feature.  If you
want to store a repeater frequency that requires a CTCSS tone, it will
remember the tone just fine, but it won't remember to transmit the tone
when that channel is selected!  You must manually select whether or not
CTCSS tones are to be transmitted, even though the actual tone is
properly stored in memory. UGH!  This means that you must remember which
repeaters need tones and manually switch on/off the CTCSS feature every
time you stop scanning.  Does anyone know how to fix this?  I called
Alinco and they said that that's the way it is, and tough.  Their suggestion
was to get a 590T!  I'm not scared of ripping into the radio to fix it.
Any help anyone can give me will be greatly appreciated!
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z


From 7948152895748948027
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-07 20:28:39 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!rutgers!
mcnc!uvaarpa!murdoch!chaos!rja7m
From: rja7m@chaos.cs.Virginia.EDU (Ran Atkinson)
Newsgroups: rec.ham-radio,news.groups
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <1990Dec7.155358.9833@murdoch.acc.Virginia.EDU>
```

Date: 7 Dec 90 15:53:58 GMT
References: <1990Dec7.061211.27591@ux1.cso.uiuc.edu>
Sender: news@murdoch.acc.Virginia.EDU
Reply-To: rja7m@chaos.cs.Virginia.EDU (Ran Atkinson)
Followup-To: rec.ham-radio,news.groups
Organization: University of Virginia
Lines: 6
Xref: gmdzi rec.ham-radio:17564 news.groups:23373
Posted: Fri Dec 7 16:53:58 1990

Let me just say that I'd oppose any proposal to create a
 ".tech" subgroup because most of the existing postings
are technical to some degree or another and most Amateur
Radio operators think that they are technically oriented
so it wouldn't split the traffic neatly -- which is the
point of having a subgroup created...

From -4817772953846878843
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db1d106380df7ba1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-07 21:42:31 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!snorkelwacker.mit.edu!bloom-beacon!
deccrl!news.crl.dec.com!shlump.nac.dec.com!ggone.enet.dec.com!pierson
From: pierson@ggone.enet.dec.com (Dave Pierson)
Newsgroups: rec.ham-radio
Subject: Re: TVI Problem
Summary: look everywhere...
Keywords: rfi, rectification
Message-ID: <17940@shlump.nac.dec.com>
Date: 7 Dec 90 17:33:54 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 28
Posted: Fri Dec 7 18:33:54 1990

>In rec.ham-radio, sde@larry.sal.wisc.edu (Scott Ellington) writes:

>>I have a baffling TVI problem, and I'd like to see if anyone else has
>>encountered anything similar. "Something" within about 150 meters of
>>my antenna is apparently rectifying my 15 meter signal, and generating
>>a harmonic at 63 MHz. Harmonic generation in the rig and antenna
>>system have been ruled out. ...

150 meters is a big region, because... corrosion anywhere can lead
to (inefficient_but_functional) rectifiers. Cases have been doumented
involving about any dissimilar metals (and some similar ones):
a bad jopint in an aluminum rain gutter comes to mind. Have never
heard of any particular trouble shooting techniques, presumably a
receiver, perhaps desensed by wrapping in aluminum foil would be a
start. What receiver? hmmmm. Anybody nearby have a watchman, or
equivalent? Any harmonics elsewhere, that might fall into the band

of a another receiver??

good hunting

thanks
dave pierson |the facts, as accurately as i can manage,
Digital Equipment Corporation |the opinions, my own.
600 Nickerson Rd
Marlboro, Mass
01752 pierson@cimnet.enet.dec.com

"He has read everything, and, to his credit, written nothing." A J Raffles

---

From 2610004848582399705
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0cab89724683f8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,c0cab89724683f8
X-Google-Attributes: gidf5cc0,public
X-Google-Thread: fddbf,c0cab89724683f8
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-05 15:33:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!usc!elroy.jpl.nasa.gov!ames!lll-winken!dweasel!loren
From: loren@dweasel.llnl.gov (Loren Petrich)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.space
Subject: Solar System Stability (was Re: * SpaceNews 03-Dec-90 *)
Message-ID: <87290@lll-winken.LLNL.GOV>
Date: 5 Dec 90 23:33:38 GMT
References: <1990Dec3.183522.25647@qualcomm.com>
<1990Dec4.183721.6956@zoo.toronto.edu>
<1990Dec5.132743.15342@batcomputer.tn.cornell.edu>
Sender: usenet@lll-winken.LLNL.GOV
Followup-To: rec.ham-radio
Organization: Lawrence Livermore National Laboratory
Lines: 58
Xref: gmdzi rec.ham-radio:17508 rec.ham-radio.packet:3159 sci.space:18062
Posted: Thu Dec 6 00:33:38 1990
Nntp-Posting-Host: dweasel.llnl.gov

Concerning solar system stability, it must be conceded that this is not a completely solved problem.

Perturbation theory techniques are the traditional way to evaluate this problem. However, use of them depends on dropping higher-order terms, and there is the problem of how much these contribute to the final results. In particular, if there is a near-commensurability in some of the orbit periods, then that will magnify the effect of whatever terms in which it causes a near-cancellation of the rate of change. Example: if there are two objects, 1 and 2, of which object 1 has a mean angular velocity twice that of object 2, then terms containing expressions like:

l1 - 2*l2

where l1 and l2 are the mean longitudes of the two objects, will change slowly and may even produce big oscillations in l1 and l2.

Since most perturbation-theory analyses ultimately involve averaging over orbit positions, resonance terms like the example mentioned above are a serious difficulty, unless they can be identified.

Even in that case, one may approach the limits of analytical tractability, and have to resort to numerical integration, which can be done directly on the coordinates of the objects. I note that orbit elements can be thought of as "coordinates" in this context, though their equations of motion are more complicated than the equations of motion for positions and velocities.

Direct integration of the positions and velocities also has the advantage of keeping all the terms, as it were, as opposed to doing integration for the orbit elements with a truncated perturbation series, due to the missing-term problem. However, integrating orbit elements can cover a much longer time range for a truncated perturbation series, because the orbit-variation timescale is usually much greater than the orbit periods.

Actual results? It appears that some of the objects in the Solar System move chaotically. Saturn's satellite Hyperion is known to tumble chaotically, for instance. And numerically integrating Pluto's orbit reveals it to change chaotically. There is even evidence for chaos in the motions of the four big planets -- Jupiter, Saturn, Uranus, and Neptune. However, the "size" of the region of chaos is still uncertain. If it turns out to be small, then the motions of the planets are predictable within that region, and it may even be that the Solar System is stable over timescales of billions of years despite the weak chaos in the motions of the planets. More research on this question will certainly be needed.

$$$
Loren Petrich, the Master Blaster: loren@sunlight.llnl.gov

Since this nodename is not widely known, you may have to try:

loren%sunlight.llnl.gov@star.stanford.edu

From 6998892915339889439
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e683414c64b8aef4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,e683414c64b8aef4,start

X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-12-05 16:12:25 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!deccrl!news.crl.dec.com!shlump.nac.dec.com!decuac!haven!ames!sun-barr!apple!portal!cup.portal.com!HAVANAMOON
From: HAVANAMOON@cup.portal.com (Havana - Moon)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Radi Free New York To Remember John Lennon
Message-ID: <36590@cup.portal.com>
Date: 6 Dec 90 00:12:25 GMT
Distribution: usa,world
Organization: The Portal System (TM)
Lines: 38
Xref: gmdzi rec.radio.shortwave:3015 rec.ham-radio:17498
Posted: Thu Dec 6 01:12:25 1990

Hello, all -

Got a call last evening from Hank Hayes, one of the operators of Radio Free New York - a free radio station which broadcasts a 3-hour program each Saturday night at 11pm Eastern via the transmitter facilities of WWCR, 7520 kHz.

This Saturday night is the 10th anniversary of the death of John Lennon and the station is planning a special memorial broadcast. They have some super special things planned for this program, including clips of the first radio and tv announcements of the shooting. They plan to do some live broadcasting from the Dakota Apartments on Central Park West where Lennon lived with his family and plenty of other great stuff. The focus is intended to be upbeat and comprised of fond memories.

Don't miss it. For those of you who participate on Los Numeros, the broadcasting crew will be live on-line with us during their broadcast.

Time and place, once again - WWCR, 7520 kHz, 11pm Eastern, Saturday night local, 12/8 (0400 UTC Sunday 12/9).

        /HM

```
  ___________________________________________________________________________
 |                                                                           |
 | HAVANA MOON                  |  HAVANAMOON@cup.portal.com                 |
 | Los Numeros On-Line          |  ...!sun!portal!cup.portal.com!HAVANAMOON  |
 | PO Box 149                   |  HAVANA.MOON  (GEnie)                      |
 | Briarcliff Manor, NY 10510   |  1:272/39  (FidoNet)                       |
 |___________________________________________________________________________|
```

From 898008034049294338
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-05 16:17:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <27080035@col.hp.com>
Date: 6 Dec 90 00:17:31 GMT
References: <19@shasta.Stanford.EDU>
Organization: HP Colorado Springs Division
Lines: 14
Posted: Thu Dec 6 01:17:31 1990

So what's the purpose of changing 'rec.ham-radio' to 'rec.radio.ham'?

Other than that, it sounds like a good idea.

```
--------------------------------------------------------------------
Bob Witte              HP Colorado Springs Division
bobw@col.hp.com        P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO  80901
Radio: KB0CY
"Of course, then again, I've been wrong before."
--------------------------------------------------------------------
```

From 1220691335129268754
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14e57334521fd9a3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-05 17:51:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!UCSD.EDU!brian
From: brian@UCSD.EDU (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Administrivia
Message-ID: <9012051733.AA26068@ucsd.edu>
Date: 5 Dec 90 17:33:02 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Wed Dec 5 18:33:02 1990

Will whoever is redistributing this mailing list to Loren Thompson or others via a Gatormail system please stop doing it? Your mailer is breaking with great regularity, and spewing copies of every failed message all over the USENET, annoying thousands of people worldwide.

It's not a very good advertisement for Gatormail either, since it shows that it's not handling RFC822 error-returns very well.

Love and kisses.
     - Brian

From -369675395817102863
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f2ff5f748a0d695,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f8760,6f2ff5f748a0d695,start
X-Google-Attributes: gidf8760,public
X-Google-Thread: 114aac,6f2ff5f748a0d695,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f8c35,6f2ff5f748a0d695,start
X-Google-Attributes: gidf8c35,public
X-Google-Thread: f5cc0,6f2ff5f748a0d695,start
X-Google-Attributes: gidf5cc0,public
X-Google-Thread: f74ae,6f2ff5f748a0d695,start
X-Google-Attributes: gidf74ae,public
X-Google-ArrivalTime: 1990-12-05 18:09:41 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!mit-eddie!wuarchive!
zaphod.mps.ohio-state.edu!think.com!linus!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio,rec.radio.shortwave,sci.astro,sci.space,comp.sys.atari.8bit,soc.culture.china
Subject: Good Bye (Quite possibly my last posting from this site)
Keywords: lay-off
Message-ID: <114321@philabs.Philips.Com>
Date: 6 Dec 90 02:09:41 GMT
Sender: news@philabs.Philips.Com
Lines: 8
Xref: gmdzi rec.ham-radio:17501 rec.radio.shortwave:3023 sci.astro:7067
sci.space:18056 comp.sys.atari.8bit:3407 soc.culture.china:32510
Posted: Thu Dec 6 03:09:41 1990

I'm afraid that this may be my last posting. Philips is having layoffs, and I might get canned. I liked having access to these newsgroups, and would like to regain access at some other site.

If anyone knows of anyone looking for a person who knows about HDTV, NTSC, video, digital signal processing, high speed digital logic design, have them call me at 201-261-4066. Also, point any and all headhunters my way. I have 11 patents.

From 1200730838564391745
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-05 19:03:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cica!news.cs.indiana.edu!rutgers!mcnc!uvaarpa!murdoch!news
From: randall@Virginia.EDU (Ran Atkinson)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <1990Dec5.163957.761@murdoch.acc.Virginia.EDU>
Date: 5 Dec 90 16:39:57 GMT
References: <19@shasta.Stanford.EDU>
Sender: news@murdoch.acc.Virginia.EDU
Reply-To: Ran Atkinson <randall@Virginia.EDU>
Followup-To: news.groups,rec.ham-radio
Organization: University of Virginia
Lines: 27
Xref: gmdzi news.groups:23295 rec.ham-radio:17460
Posted: Wed Dec 5 17:39:57 1990

The notion of mv'ing rec.ham-radio to rec.radio.* is an excellent one which I fully support.

The new heirarchy should be rec.radio.AMATEUR though not rec.radio.HAM because the jargon term "Ham-Radio" is not common outside North America and large portions of the net are now outside North America (unlike when the current group was created). By using the normal, non-US-jargon terminology the namespace is clearer and easier for folks to use. It is also easier for folks potentially interested in becoming licensed Amateur Radio Operators find the right newsgroup.

I'd also advocate mv'ing the parent group into a .misc group (or equivalent) to reduce cross-posting and make the namespace simpler (hence easier to use). I know that Jay won't like this last idea since he`s opposed the whole .misc concept in news.groups, but I still see lots of hard evidence that the concept works in the general case not just in comp.sys.*

Regards,

  Ran
  randall@Virginia.EDU
  former FM Broadcast Engineer (FCC Commercial License)

P.S.
  I haven't had time to learn Morse yet. When I do, I'll get an Amateur license as well...

From -8905800438153675450

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f08309c7ff227d07
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-05 19:51:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: Latest Callsigns?
Message-ID: <47120@apple.Apple.COM>
Date: 5 Dec 90 17:09:25 GMT
References: <4630021@hpspkla.spk.hp.com> <N#A^?7+@rpi.edu>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 17
Posted: Wed Dec  5 18:09:25 1990
```

luigi@aix02.aix.rpi.edu (John L Luigi Giasi) writes:

```
>... the most recently issued callisgns for your call call district
>for each of the 4 classes (Novice is class D) well, except for the
>4 and 6 districts which only have 3 classes remaining (all the class
>A calls used up);
^^^
```

Perhaps you mean the Class C calls are used up? The Class A calls have a way to go yet. California has only reached the high AA6s (well, maybe just starting AB6 by now). We have gone through all the N6xxx, however; the last of the Class Cs.

73 and merry humbug,

```
Kok Chen, AA6TY                  kchen@apple.com
Apple Computer, Inc.
```

```
From 3470204803258162039
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c4a8cd3b0a24972
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,9c4a8cd3b0a24972
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-05 19:56:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!bu.edu!att!pacbell.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: Powerline voltage too high, power co working on it
Keywords: 128V!
Message-ID: <24228@ucsd.Edu>
Date: 5 Dec 90 17:28:35 GMT
References: <114172@philabs.Philips.Com>
Followup-To: rec.ham-radio
Organization: The Avant-Garde of the Now, Ltd.
Lines: 13
Xref: gmdzi rec.ham-radio:17462 sci.electronics:9997
```

Posted: Wed Dec 5 18:28:35 1990

Yeah, that's not that unusual. The voltage here in my house right now is 125v, and has been pretty much that for the last seven years. And my lightbulbs don't last real long either.

Our mountaintop repeater site had line voltage around 132 volts back in 1971; it's been dropping steadily since and is now down to about 118 - either the lines are aging or it's all the additional load as more equipment gets installed.

At work the voltage is a nice 117.5 on two of the three phases. It's about a volt higher on the third; I think there are fewer VAXes on that phase.

- Brian

From -8192958250321687983
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d44469d120efd89e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-05 20:11:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!agate!ucbvax!OSUCC.BITNET!AGENGCC
From: AGENGCC@OSUCC.BITNET
Newsgroups: rec.ham-radio
Subject: QRM
Message-ID: <9012060411.AA20456@ucsd.edu>
Date: 6 Dec 90 04:11:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25
Posted: Thu Dec 6 05:11:00 1990

Am I the only one getting duplicate (or almost) duplicate Info-Hams from GatorMail-Q. I version of Info-Hams appears to be sent back to Info-Hams as a message.

Date: 5 Dec 90 05:37:13
From: WJ Shack <WJ_Shack@mctgate.mct.anl.gov>
Subject: Loren Thompson :Unknown QM
To: Info-Hams@UCSD.Edu

GatorMail-Q   Loren Thompson :Unknown QM
Info-Hams Digest   Wed, 5 Dec 90   Volume 90 : Issue 479

Today's Topics:

Internet-Packet Reply (LONG!)
Kermit
Loren Thompson :Unknown QM
Major E.H. Armstrong 100th Anniversary Special Event
NASA Prediction Bulletin Format
NASA Prediction Bulletins: Space Shuttle (3 msgs)

The Hate Herbie Net

If this is my fault how do I get rid of it? If its not my fault
can some one turn this charcter off.

Gordon Couger N5QAQ

From -3764799142679432304
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d4c9ca98e2f6bf21,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-05 20:53:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!agate!
ucbvax!BBN.COM!amargeri
From: amargeri@BBN.COM (Jack Margerison)
Newsgroups: rec.ham-radio
Subject: Radio Telegraph Second Class
Message-ID: <9012051853.aa01823@HAWAII2.BBN.COM>
Date: 6 Dec 90 04:53:11 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Thu Dec 6 05:53:11 1990

For reasons that I would be hard pressed to explain, I am about to begin
to prepare to take the 2nd class Radio Telegraph ops exam. The code is
no problem but I am having a hard time finding study guide material for the
test. Can anyone suggest a source ?

Thanks,

Jack Margerison
WA1VJJ/KH6
amargerison@bbn.com

From -1614830514266604055
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c4a8cd3b0a24972
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,9c4a8cd3b0a24972
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-05 21:21:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!rutgers!
rochester!pt.cs.cmu.edu!sei!rsd
From: rsd@sei.cmu.edu (Richard S D'Ippolito)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: Powerline voltage too high, power co working on it
Keywords: 128V!
Message-ID: <9780@fy.sei.cmu.edu>
Date: 5 Dec 90 19:02:39 GMT
References: <114172@philabs.Philips.Com>

Reply-To: rsd@sei.cmu.edu (Richard S D'Ippolito)
Organization: Software Engineering Institute, Pittsburgh, PA
Lines: 26
Xref: gmdzi rec.ham-radio:17463 sci.electronics:9999
Posted: Wed Dec 5 20:02:39 1990

Excerpts from article <114172@philabs.Philips.Com> by Robert Casey:

>I've had a little adventure with the powerline voltage at my parent's
>house. About 6 weeks ago, I was at my parents', and for some reason, I
>measured the powerline. (Now I remember, an old powerline volt monitor
>meter I had in the hamshack room seemed to be reading high. Must be
>broken, get out a good digital meter to check the voltage. Oh, 128V!

>Guy leaves, a few hours later, calls. "try measuring the voltage" "Still too
>high, 127V."

>We like to set the voltage at 120V at houses."

Yeah, but not too high by much...

The typical electric utility tariff (what the utility must provide under its contract with your state government) calls for 120v +/- 5% at your meter, or 114-126 volts. You can't really complain about 126 volts. Also, a 'good' digital (or analog) meter will not necessarily give an accurate reading, as most of them are average-responding, rms-reading, because if there are a lot of solid-state power controls on your feeder, the AC waveform can get fairly chopped up.

Rich

From 5879823231911685179
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-05 21:22:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!rutgers!dimacs.rutgers.edu!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <4429@lib.tmc.edu>
Date: 5 Dec 90 19:18:52 GMT
References: <19@shasta.Stanford.EDU> <2997@crdos1.crd.ge.COM>
Sender: usenet@lib.tmc.edu
Followup-To: news.groups
Organization: University of Texas Medical School at Houston
Lines: 25

```
Xref: gmdzi news.groups:23299 rec.ham-radio:17464
Posted: Wed Dec  5 20:18:52 1990
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <2997@crdos1.crd.ge.COM> davidsen@crdos1.crd.ge.com (bill davidsen)
writes:
>  A few comments: a few sentences about the other rec.radio groups would
>have made it clear why you were changing ham-radio to radio.ham, and I
>would like to see .misc used for the catch-all group.

I'll make sure the text for the CfV explains the reason behind the relocation.
I'm not married to rec.radio.ham versus rec.radio.ham.misc; comments, folks?
For that matter, there seems to be some sentiment for .amateur versus .ham;
I'd like to see some kind of consensus one way or the other.

>  Finally, I don't personally like the .legal name, as it encourages
>thought of "what part is not legal?" If you can can think of a beter
>name (ie. more descriptive) it might aid in identifying the group. I
>don't really care for legal-issues or legalities, but perhaps
>regulations would be better, since you will probably be talking mostly
>about things which are not laws (passed by congress) but regulations
>from the FCC.

The name .legal came from the commonest flame on rec.ham-radio: "You can't do
that, it's illegal!" It describes the intended traffic pretty well.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu  | adequately be explained by stupidity.
  "...flames are a specific art form of Usenet..." -- Gregory C. Woodbury


From -2387944676587667877
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56506ac3e13fd3c2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-05 21:46:47 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
magnus.ircc.ohio-state.edu!rdixon@magnus.ircc.ohio-state.edu
From: Bob_Dixon@osu.edu
Newsgroups: rec.ham-radio
Subject: Shunt Feeding Steel Towers
Message-ID: <CMM.0.88.660426320.rdixon@magnus.ircc.ohio-state.edu>
Date: 5 Dec 90 19:45:20 GMT
Sender: Bob Dixon <rdixon@right.magnus.ircc.ohio-state.edu>
Reply-To: Bob_Dixon@osu.edu
Organization: The Ohio State University
Lines: 12
Posted: Wed Dec  5 20:45:20 1990
Originator: daemon@right.magnus.ircc.ohio-state.edu
Nntp-Posting-Host: right.magnus.ircc.ohio-state.edu

How does one shunt feed a steel tower? It has to be painted of course, so
```

contact is not easy. One could scrape off the paint if you knew the exact spot needed for the tap, but I suspect that is subject to some experimentation, and you can't scrape the paint off everywhere. I have tried to do this by wrapping heavy aluminum foil around a painted tower leg, to achieve a capacitive coupling. The capacitance is fairly large, so the reactance is not too large. It is also easy to slide it up and down for adjustment. But it never worked anyway. How have others solved this problem?

Bob Dixon
W8ERD

From 5208176114879477194
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8321fc3535fbd153
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-05 21:52:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Loading up a tower for 40/80/160M
Message-ID: <1653@ke4zv.UUCP>
Date: 6 Dec 90 05:52:11 GMT
References: <2829@lupine.NCD.COM> <1250286@hpnmdla.HP.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 24
Posted: Thu Dec 6 06:52:11 1990

In article <1250286@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>In rec.ham-radio, gary@ke4zv.UUCP (Gary Coffman) writes:
>
>>In article <2829@lupine.NCD.COM> phil@hansen.Berkeley.EDU (Phil Graham) writes:
>>>I am looking to load up my 55 ft crank up tower for 40. 80 and 160M.
>>>
>...
>>I've fed my tower, a seventy foot Rohn 25 tower with a tri-bander as a
>>top hat, using a gamma match. ...
>
>If you are using a crank-up tower, you may need to worry about obtaining
>a good electrical connection between the sections. The Rohn 25 should
>work fine.
>
>AL N1AL

Very good point. The gamma rods turn out to be real long too with the 160 meter one being 32 feet. The crankup poses some interesting mechanical and electrical problems. Any solution that requires climbing the cranked up tower is too dangerous to think about. Perhaps telescoping gamma rods with finger stock at the join and spring loaded metal rollers at the tower joins would work. They'd probably wind up being RFI generators though.

Gary KE4ZV

From 3596259192967592652
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f08309c7ff227d07
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 01:27:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!udel!masters
From: masters@freezer.it.udel.edu (paul masters)
Newsgroups: rec.ham-radio
Subject: Re: Latest Callsigns?
Message-ID: <38287@nigel.ee.udel.edu>
Date: 6 Dec 90 02:31:50 GMT
References: <4630021@hpspkla.spk.hp.com> <N#A^?7+@rpi.edu> <47120@apple.Apple.COM>
Sender: usenet@ee.udel.edu
Organization: ME
Lines: 10
Posted: Thu Dec 6 03:31:50 1990
Nntp-Posting-Host: toffee.it.udel.edu

Well its official. My latist call sign is N3IRU. I am finnaly a ham.

Paul

--
I will not waste chalk..I will not skateboard down the halls..I will not
burp in class..I will not instigate revolution..I will not draw naked ladies
.....I will not program brahms.udel.edu to murder itself....
Paul Masters N3IRU (The ham license arived 12/04/90)

From -7133247178509802031
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c4a8cd3b0a24972
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 01:47:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: Powerline voltage too high, power co working on it
Keywords: 128V!
Message-ID: <w39PT5w163w@phoenix.com>
Date: 5 Dec 90 22:16:55 GMT
References: <114172@philabs.Philips.Com>
Organization: One Man Brand
Lines: 18
Posted: Wed Dec 5 23:16:55 1990

rfc@briar.Philips.Com (Robert Casey) writes:

> I've had a little adventure with the powerline voltage at my parent's
> house. About 6 weeks ago, I was at my parents', and for some reason, I
> measured the powerline. (Now I remember, an old powerline volt monitor
> meter I had in the hamshack room seemed to be reading high. Must be
> broken, get out a good digital meter to check the voltage. Oh, 128V!

You are lucky. A friend of mine was the victim of a power company mistake. They rewired his transformer and started feeding him 400V. They paid for his microwave, refridgerator, clocks, and answering machine.

<> "If winning is not important, then why keep score?" -- Turtle Head
<> "Eaten any good books lately?" -- Q
<> "Sanity check!" "Sorry, we can't accept it, it's from out of state." - me

From 5549711448745717653
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7482f4e653635fc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 01:48:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!oakhill!nddsun1!dover!darla!waters
From: waters@darla.sps.mot.com (Strawberry Jammer)
Newsgroups: rec.ham-radio
Subject: Re: KUSW to go religious *GROAN*
Message-ID: <2484@dover.sps.mot.com>
Date: 5 Dec 90 18:16:45 GMT
References: <668.275AE9E8@w8grt.fidonet.org>
Sender: usenet@dover.sps.mot.com
Reply-To: waters@darla.sps.mot.com (Strawberry Jammer)
Organization: Hacker's haven
Lines: 22
Posted: Wed Dec 5 19:16:45 1990

In article <668.275AE9E8@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
{
{ > From: saaf@joker.optics.rochester.edu (Lennart Saaf)
{ >
{ > There is no intended audience. The primary purpose is to "do"
{ > something for God and obtain brownie points.
{
{Christians believe salvation comes by faith and faith comes by grace. No
{amount of "doing" earns brownie points. It is a simple question of obedience:
{
{   "Go, thou, and teach all nations."
{
{There, that isn't so difficult to understand at all, is it?

Actually it sounds like a modified form of "brownie points" to me. But then
I only studied Christianity for 10 years or so :-((NEVER again either!)

*Mike Waters   AA4MW/7 waters@dover.sps.mot.com *

There is no right way to do wrong.

From 50905664800317738
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b33768455025e352
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 01:49:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!samsung!cs.utexas.edu!oakhill!nddsun1!dover!darla!waters
From: waters@darla.sps.mot.com (Strawberry Jammer)
Newsgroups: rec.ham-radio
Subject: Re: Alinco 2M/440 Xcvr with DTMF control
Message-ID: <2485@dover.sps.mot.com>
Date: 5 Dec 90 18:29:11 GMT
References: <9012041358.AA08798@lonexc.radc.af.mil>
Sender: usenet@dover.sps.mot.com
Reply-To: waters@darla.sps.mot.com (Strawberry Jammer)
Organization: Hacker's haven
Lines: 50
Posted: Wed Dec 5 19:29:11 1990

In article <9012041358.AA08798@lonexc.radc.af.mil> szarekw@LONEX.RADC.AF.MIL
(William J. Szarek) writes:
{
{>Then Mike Waters AA4MW/7 writes some junk and then . . . a number of other

{>rigs [do the same thing] and you might find a cheaper one if that is the
{>only thing you really are after.
{
{Well not quite
{   Most other rigs dont allow the remote controll including QSY that
{the Alinco does.

True, but I believe that there are a few that do and without some of the
mobiling features of the Alinco they SHOULD be cheaper. I haven't looked
though so I can't give models etc.

{Mike then writes:
{> couple of . . . problems . . .: (1) to enable cross-band repeat you must
{>cut a wire that inhibits out of band operation. BOTH TX and RX! THat could
{>be a real problem with remote operation.
{
{This is completely incorrect. When you cut the wire it ENABLES out of band
{operation.

Isn't that what I said? "the wire inhibits out of band operation"

{He then continues:
{>There is no easy way to "one way repeat" i.e. UHF to VHF only.
{
{This is incorrect. If the DTMF squelch is enabled on both 2m es 440 then
{the proper tone sequence is required to open the squelch and you can use
{your ht to RX and your remote base to TX.

Have you tried this? I don't have the DTMF squelch, but the manual (the new one) says that the DTMF squelch works for BOTH bands at the same time. It says nothing about the repeater mode however. I plan to use PL for this purpose.

Since both are $40+ option boards I don't classify either as "easy" however. Setting a control, cutting a wire I class as "easy".

{Furthermore as I posted last month, I have been working with Dexter and Greg
{at Alinco and have found a way to automatically control the offset.

It works, but it would still be nice to have a "readback" to know just what is "in there".

*Mike Waters   AA4MW/7 waters@dover.sps.mot.com *

There is no right way to do wrong.

```
From 4658740218499988721
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cecaa7680a22bc0c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 01:52:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!hacgate!
ashtate!steves
From: steves@ashtate (Steve Silverwood)
Newsgroups: rec.ham-radio
Subject: Re: NTS to MARS link?
Message-ID: <1990Dec6.000239.3121@ashtate>
Date: 6 Dec 90 00:02:39 GMT
References: <1990Nov30.141439@merlot.enet.dec.com>
Reply-To: steves@ashton.UUCP (Steve Silverwood)
Organization: Ashton-Tate, Torrance, CA
Lines: 29
Posted: Thu Dec  6 01:02:39 1990
```

In article <1990Nov30.141439@merlot.enet.dec.com> bassett@merlot.enet.dec.com (Greg Bassett) writes:
>
>For the last couple of years, the local ARES organizations have set up a booth
>at one of the local Malls (Newpark Mall in Newark, CA) to send holiday traffic
>for shoppers.

>
>This year we expect to be asked if there is anyway to send message to service-
>people stationed in Saudi Arabia.
>
>Therefore:
>
>Is there any NTS link to MARS (or any other way) to send traffic from an NTS
>packet station to service people overseas?

Origination of traffic going INTO the Persian Gulf is being discouraged
at this time by MARS. They want to be able to get the traffic OUT of there
even more than they are concerned about getting it INTO the area.

This is the information I have as of last week, per discussions with the
rest of the people in my local NTS net.

>By the way, the most difficult problem is finding shoppers that know the
>telephone numbers and zipcodes in order to send proper NTS messages. Hopefully,
>significant prior publicity will help this year.

Please let us know how things work out for you, okay? Thanks.

//Steve//
KB6OJS

From 283429220577748523
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4343e6cfbeb25c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 04:27:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!agate!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins: Space Shuttle
Message-ID: <9012052343.AA18280@blackbird.afit.af.mil>
Date: 5 Dec 90 23:43:18 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Thu Dec 6 00:43:18 1990

The most current orbital elements from the NASA Prediction Bulletins are
carried on the Celestial BBS, (513) 427-0674, and are updated several times
weekly. Documentation and tracking software are also available on this
system. As a service to the satellite user community, the most current
elements for the current shuttle mission are provided below. The Celestial
BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data
bits, 1 stop bit, no parity.

```
STS 35
1 20980U 90106  A 90339.50869458  .00040487  00000-0  28788-3 0    95
```

```
2 20980  28.4663 341.6124 0009644 315.7347  44.5240 15.72322012   514
--
Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology


From -4387349649932056366
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-06 04:31:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!rex!
rouge!pc.usl.edu!jpd
From: jpd@pc.usl.edu (Dugal James P.)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <20120@rouge.usl.edu>
Date: 5 Dec 90 23:00:36 GMT
References: <19@shasta.Stanford.EDU> <2997@crdos1.crd.ge.COM>
Sender: anon@rouge.usl.edu
Followup-To: news.groups
Organization: Univ. of Southwestern La., Lafayette
Lines: 11
Xref: gmdzi news.groups:23306 rec.ham-radio:17474
Posted: Thu Dec  6 00:00:36 1990

In article <2997@crdos1.crd.ge.COM> davidsen@crdos1.crd.ge.com (bill davidsen)
writes:
>  Finally, I don't personally like the .legal name, as it encourages
>thought of "what part is not legal?" If you can can think of a beter
>name (ie. more descriptive) it might aid in identifying the group. I

I agree; how about calling it "rules" rather than "legal" ?
--
-- James Dugal,    N5KNX          Internet: jpd@usl.edu
Associate Director     Ham packet: n5knx@k5arh
Computing Center       US Mail: PO Box 42770  Lafayette, LA  70504
University of Southwestern LA.   Tel. 318-231-6417  U.S.A.


From -577252850014201054
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0cab89724683f8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,c0cab89724683f8
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f5cc0,c0cab89724683f8
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-12-06 05:04:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!van-bc!ubc-cs!
news-server.csri.toronto.edu!utgpu!utzoo!henry
```

From: henry@zoo.toronto.edu (Henry Spencer)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.space
Subject: Re: * SpaceNews 03-Dec-90 *
Message-ID: <1990Dec6.002324.8410@zoo.toronto.edu>
Date: 6 Dec 90 00:23:24 GMT
References: <378@ka2qhd.UUCP> <1990Dec3.183522.25647@qualcomm.com>
<1990Dec4.183721.6956@zoo.toronto.edu>
<1990Dec5.132743.15342@batcomputer.tn.cornell.edu>
Organization: U of Toronto Zoology
Lines: 11
Xref: gmdzi rec.ham-radio:17476 rec.ham-radio.packet:3151 sci.space:18024
Posted: Thu Dec 6 01:23:24 1990

In article <1990Dec5.132743.15342@batcomputer.tn.cornell.edu>
newman@batcomputer.tn.cornell.edu (Bill Newman) writes:
>Newton certainly killed the 2-body gravitational problem, but many
>aspects of the many-body problem were better understood 200 years
>after his death than at his death...

I didn't say that nothing was added for 200 years, only that what was
added was incremental improvements and refinements of his work, rather
than anything new and major.
--
"The average pointer, statistically, |Henry Spencer at U of Toronto Zoology
points somewhere in X." -Hugh Redelmeier| henry@zoo.toronto.edu   utzoo!henry

---

From -1948133907984911454
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7482f4e653635fc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 05:14:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!usc!apple!bionet!
synoptics!jkaidor
From: jkaidor@synoptics.COM (Jerome Kaidor)
Newsgroups: rec.ham-radio
Subject: Re: KUSW to go religious *GROAN*
Message-ID: <22118@mvis1.com>
Date: 5 Dec 90 23:07:21 GMT
References: <668.275AE9E8@w8grt.fidonet.org> <2484@dover.sps.mot.com>
Organization: SynOptics Communications Inc. Mountain View, Ca.
Lines: 16
Posted: Thu Dec 6 00:07:21 1990

In article <2484@dover.sps.mot.com> waters@darla.sps.mot.com (Strawberry Jammer)
writes:
>In article <668.275AE9E8@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim
Grubs) writes:
>{
>{ > From: saaf@joker.optics.rochester.edu (Lennart Saaf)
>{ >
>{ > There is no intended audience. The primary purpose is to "do"
>{ > something for God and obtain brownie points.

>{
>{Christians believe salvation comes by faith and faith comes by grace. No
>{amount of "doing" earns brownie points. It is a simple question of obedience:

Gee, I always thought it was a question of $$. You know, send
contributions to P.O. Box 88, Moscow, Idaho. Operators are standing
by.....

- Jerry Kaidor, KF6VB

From 6159052846339283885
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7382706b70114ff1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 05:33:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
elroy.jpl.nasa.gov!ames!ncar!boulder!uswat!joeb
From: joeb@uswat.uswest.com (Joe Bushinski #350 x2026)
Newsgroups: rec.ham-radio
Subject: Re: Un-Net, Packet Question
Message-ID: <13532@uswat.UUCP>
Date: 5 Dec 90 16:30:21 GMT
References: <9012031322.AA28474@LL.MIT.EDU>
Sender: news@uswat.UUCP
Organization: US WEST Advanced Technologies, CO, USA
Lines: 31
Posted: Wed Dec 5 17:30:21 1990

In article ("Mike Jordan G4ASQ/KC1RP") writes:
>I have a question about packet. If I intend to run TCP/IP, and use Phil
>Karn's NET-PC package, it seems that I will end up putting the TNC into
>'dumb mode' and basically using it as a modem. I haven't bought a tnc
>yet, and it seems I don't really need one. Am I right in thinking that
>all I have to do is build a modem that turns 2 tones into high & low
>levels on an RS232 line, and connect it to the PC? (levels to tones
>for transmitting).   Why should anyone spend hundreds of $$ on a tnc
>when the PC can do the work, assuming you already have one.
>
>Can anyone point me to a circuit they have used successfully with the
>NET-PC program? I can probably handle the modem part, but presumably
>there is some handshaking protocol that has to be done correctly.
>
>Thanks and 73
>Mike KC1RP

Sorry to disappoint you Mike, but the 'dumb mode' you speak of is
actually 'KISS' (for Keep It Simple Stupid) protocol. This is a very
precise and extensive protocol all of it's own. There was someone on the
net that put a complete description of the KISS protocol, either here or
on rec.ham.packet - I'm not sure which. The problem is that the port on
your computer is async, with start and stop bits, and the signal on the
analog side of the modem is synchronous NRZI SDLC. Plus the function of

going push-to-talk and deciding when to transmit (Clear channel) I
beleive is all done in the TNC. So although it's supposed to be Simple
it really is not 'dumb' I guess. In other words you need a TNC or some
kind of KISS protocol emulator.
Joe
KE0QA
(303) 930-2026

From -4753068048990346473
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 06:26:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
elroy.jpl.nasa.gov!lll-winken!sun-barr!newstop!sun!amdcad!mozart.amd.com!reed
From: reed@mozart.amd.com (David F. Reed)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <1990Dec6.142625.26900@mozart.amd.com>
Date: 6 Dec 90 14:26:25 GMT
References: <19@shasta.Stanford.EDU> <10510013@hpcuhb.cup.hp.com>
<1990Dec5.161957.27384@ux1.cso.uiuc.edu>
Organization: Advanced Micro Devices, Inc.
Lines: 10
Posted: Thu Dec 6 15:26:25 1990

I also like the re-structure, but find it might offer more clarity to go
with rec.radio.amateur , etc.; in either case, I support the move to conform
to net standard/convention...

--
____
"...just my opinion, not speaking for AMD." KK5D, 7J1AGO, XE1ZDR
David F. Reed   4512 Clarno   Austin TX 78749
packet: KK5D@KB5PM   driving by? try 442.150 repeater

From -6194746720031171491
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d082f2e18ef220e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 07:07:59 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!samsung!cs.utexas.edu!
oakhill!nddsun1!dover!darla!waters
From: waters@darla.sps.mot.com (Strawberry Jammer)
Newsgroups: rec.ham-radio
Subject: Re: More DR-590 Codes...
Message-ID: <2488@dover.sps.mot.com>
Date: 6 Dec 90 15:07:59 GMT
References: <1246@west.West.Sun.COM>
Sender: usenet@dover.sps.mot.com

Reply-To: waters@darla.sps.mot.com (Strawberry Jammer)
Organization: Hacker's haven
Lines: 73
Posted: Thu Dec 6 16:07:59 1990

In article <1246@west.West.Sun.COM> flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242) writes:
{
{He said that almost all of the basic codes were in the manual but that
{the were very lightly covered. One pair of codes that were not
{mentioned were D99 (cross band repeat ON) and D01 (cross band repeat OFF).

{Contrary to what others have said on this forum, I saw him change
{frequencies on both bands from the remote radio. He was going in on 2m
{and out on 440. He was able to set the 440 frequency as well as the 2
{meter frequency by remote control. He indicated that only PL and
{repeater offset could not be set remotely, however he did acknowledge
{the trick of putting a shift in one of the ARM memories which he
{learned from a user. He said that even the engineers in Japan were
{unaware of this.

Sounds like "hacking" of the three digit codes from A00 through D99 might just be worthwhile here! THe ones I posted were the only ones in the new (printed) manual. If indeed you can do any of the functions that you can remote from the mic. then indeed it IS a powerful feature.

As for offsets and PL tones, personally I like to put the whole lot in a memory and just select it that way. I only use a couple of repeaters with PL tones anyway!

{I asked him about documentation and he said that they were faxing it
{out to all the stores which carry it. Apparently one can call them
{as well (FAX: (213) 618-8758 or Voice: (213) 618-8616).

I will give them a call an ask! Thanks!

{The comment was made that when the Japaneese brought the radio out to
{the U.S., they only mentioned in passing that the rig could be
{controlled remotely. Apparently, they never thought much about it
{themselves. They (the Japaneese) were surprised at how much commotion
{their American sales reps made about it.
{
{This leads me to speculate that what has happened here is that remote
{control of the radio was developed by "accident" as an outgrowth of the
{ability to control the rig from its microphone touch tone pad. It
{seems that when the dsq (dtmf decoder) was added that these features
{suddenly became available. This would explain why the radio has been
{called an "almost great" in that the remote-base functions are "nearly
{complete". Perhaps it was never designed to begin with.
{
{I would further speculate that much will be learned by both Alinco and
{its competitors from this radio and that by next year a "complete" or
{fully functional remotable rig will be available.

Certainly makes as much sense as any other explanation that I have heard.
For the most part, the rest of the rig is SO well done that it really is
jarring to see something like this that is simply not done.

It is clear that the translated manual is at least part of the problem and
that they must have had trouble getting a good translation. THe manual I
got with my rig was Xeroxed and had all kinds of stuff on odd pages - as if
someone was still doing a "paste up". THey sent me a printed one free and
it is MUCH better, but it looks like there are still a few things missing
in it.

{I can't wait :-)

Me either!

{-fred (still stuck with my 721), AA7BQ

Sounds good to me on 2M at least :-) Mine is down right now because of an
alternator problem in the car, but hopefully I'll see you on 2 again.

Mike AA4MW

       *Mike Waters   AA4MW/7 waters@dover.sps.mot.com *

 ** If guns are outlawed, how will conservatives win arguments? **

```
From 4436427267728589831
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-06 07:14:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!bu.edu!mirror!necntc!necis!rbono
From: rbono@necis.UUCP ( NM1D)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <1403@necis.UUCP>
Date: 6 Dec 90 15:14:38 GMT
References: <19@shasta.Stanford.EDU>
Organization: NEC Technologies, Inc., Boxborough, MA
Lines: 58
Xref: gmdzi news.groups:23354 rec.ham-radio:17520
Posted: Thu Dec  6 16:14:38 1990
```

In article <19@shasta.Stanford.EDU>, paulf@shasta.Stanford.EDU (paulf) writes:
> Jay Maynard and I propose the following reorganization of the rec.ham-radio
> hierarchy:
>
> PROPOSED ADDITIONS:
>

> 1. rec.radio.ham
>   "A General newsgroup for discussions about amateur radio."
> 2. rec.radio.ham.legal
>   "A newsgroup for the discussion of legal aspects of amateur radio."
> 3. rec.radio.ham.packet
>   "A newsgroup for discussions about amateur packet radio."
> 4. rec.radio.ham.swap
>   "A forsale group for the rec.radio.ham hierarchy."
>
> PROPOSED DELETIONS:
>
> 1. rec.ham-radio
>   Now superseded by rec.radio.ham and rec.radio.ham.legal.
> 2. rec.ham-radio.packet
>   Superseded by rec.radio.ham.packet
> 3. rec.ham-radio.swap
>   Replaced by rec.radio.ham.swap
>

This makes sense... BUT if we are going to go through the pain of changing the name of this group, we SHOULD make an effort to refer to ourselves in a way that a casual 'reader' (the supposed 'lay' reader, or non-amateur) would understand who we are.....

Basically, what I am saying is that all references to the slang 'HAM' should be changed to 'AMATEUR'.... therefore 'rec.radio.ham' becomes 'rec.radio.amateur' and so on.   This will not cause confusion on anyones part. I think that only 'hams' know what the term 'ham' radio really means.

PLEASE, if we are going to change names of the group, lets go for the full name:

```
    rec.radio.amateur
    rec.radio.amateur.packet
    rec.radio.amateur.swap
    rec.radio.amateur.legal    (yes, I think this subgroup can be added,
                                although I wonder how many people will 'read'
                                it at all!)
```

P.S. It seems that this site only receives a VERY FEW postings for rec.ham-radio. So if I seem to not know what is going on... it's because I don't!!!

Rich

```
--
 /***************************************************************************\
 * Rich Bono (NM1D)    If I could only 'C' forever!!    rbono@necis.nec.com *
 * (508) 635-6300          NEC Technologies Inc.               NM1D@WB1DSW *
 \***************************************************************************/
```

```
From 6078581163465137361
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-06 07:55:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!
milo.mcs.anl.gov!midway!midway.uchicago.edu!pbhx
From: pbhx@midway.uchicago.edu (Peter B. Hayward)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <1990Dec6.155509.12513@midway.uchicago.edu>
Date: 6 Dec 90 15:55:09 GMT
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 21
Xref: gmdzi news.groups:23369 rec.ham-radio:17551
Posted: Thu Dec  6 16:55:09 1990
References:<19@shasta.Stanford.EDU> <2997@crdos1.crd.ge.COM> <20120@rouge.usl.edu>

In article <20120@rouge.usl.edu> jpd@pc.usl.edu (Dugal James P.) writes:
> In article <2997@crdos1.crd.ge.COM> davidsen@crdos1.crd.ge.com (bill
davidsen) writes:
> >  Finally, I don't personally like the .legal name, as it encourages
> >thought of "what part is not legal?" If you can can think of a beter
> >name (ie. more descriptive) it might aid in identifying the group. I
>
> I agree; how about calling it "rules" rather than "legal" ?


I completely agree with this proposal to change the proposed name to
...rules.  I have been very uneasy about the ...legal name, believing that
it would *not* be intuitively obvious what *should* be in the new
group.  I felt the result would be that people would cross-post
to several rec.ham-radio groups, thus increasing the noise level.
With rec.ham-radio.rules (or rec.radio.amateur.rules) we might
save some bandwidth (and sanity).

---------------------------
Peter B. Hayward                                              N9IZT
University of Chicago Computing Organizations


From 8620263159962625640
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,252ca556ce1899dc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 07:58:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!
rutgers!mcnc!rti!dg-rtp!usenet
From: harrism@rtpsql0.rtp.dg.com (Mike Harris)
```

Newsgroups: rec.ham-radio
Subject: ATTN: HW8 OWNERS
Message-ID: <1990Dec6.155850.9692@dg-rtp.dg.com>
Date: 6 Dec 90 15:58:50 GMT
Sender: usenet@dg-rtp.dg.com (Usenet Administration)
Organization: Data General Corporation, RTP, NC.
Lines: 28
Posted: Thu Dec 6 16:58:50 1990

I'm interested in hearing from HW8 owners and ex-owners. I'm interested in

performance mods

like replacing diodes & transistors to soup it up (such
as the HR article for the HW-7)

improving the front end on higher bands?

others?

functional mods

rit perhaps?

misc

Anybody warc'd theirs?

Have a favorite traveling antenna for yours?

73s,

Mike Harris - KM4UL   harrismd@dg-rtp.dg.com
Data General Corporation   {world}!mcnc!rti!dg-rtp!harrism
Research Triangle Park, NC

From -5534822023493140993
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-06 08:09:43 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
cs.utexas.edu!news-server.csri.toronto.edu!utgpu!utzoo!telly!eci386!woods
From: woods@eci386.uucp (Greg A. Woods)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <1990Dec5.202636.9341@eci386.uucp>
Date: 5 Dec 90 20:26:36 GMT

```
References: <19@shasta.Stanford.EDU>
Reply-To: woods@eci386.UUCP (Greg A. Woods)
Organization: Elegant Communications Inc.
Lines: 32
Xref: gmdzi news.groups:23313 rec.ham-radio:17482
Posted: Wed Dec  5 21:26:36 1990

In article <19@shasta.Stanford.EDU> paulf@shasta.Stanford.EDU (paulf) writes:
> Jay Maynard and I propose the following reorganization of the rec.ham-radio
> hierarchy:

I would respectfully suggest the slang term "ham" be replaced by the
proper designation "amateur".  This slang term has caused more
problems for public relations and promotion of amateur radio around
the world than any other single thing (IMHO).

I propose the proposal be re-worded as follows (uppercase used for
emphasis):

  1. rec.radio.AMATEUR

     "A General newsgroup for discussions about amateur radio."
                               ^^^^^^^
  2. rec.radio.AMATEUR.legal

     "A newsgroup for the discussion of legal aspects of amateur radio."
                                     ^^^^^^^
  3. rec.radio.AMATEUR.packet

     "A newsgroup for discussions about amateur packet radio."
                          ^^^^^^^
  4. rec.radio.AMATEUR.swap

     "A forsale group for the rec.radio.amateur hierarchy."
--
                                 Greg A. Woods
woods@{eci386,gate,robohack,ontmoh,tmsoft}.UUCP         ECI and UniForum Canada
+1-416-443-1734 [h]  +1-416-595-5425 [w]    VE3TCP  Toronto, Ontario CANADA
"Political speech and writing are largely the defense of the indefensible"-ORWELL


From 6079682719428206893
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,50f0b37f6257116e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 08:58:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!agate!
ucbvax!PICA.ARMY.MIL!cfishman
From: cfishman@PICA.ARMY.MIL (Clark Fishman, FSAC-FCD)
Newsgroups: rec.ham-radio
Subject: Message to Ed Hajjar
Message-ID: <9012051441.aa08649@FSAC1.PICA.ARMY.MIL>
Date: 5 Dec 90 19:41:05 GMT
```

Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6
Posted: Wed Dec 5 20:41:05 1990

Ed,
    I couldn't get you directly with your address in your message to me.   I did not find the RF choke ...just as well
Have fun with your Swan,

Clark Fishman WA2UNN

From 3984111802959596430
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,306c64bd2582ef0f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 09:01:51 PST
Path: gmdzi!unido!mcsun!uunet!abvax!iccgcc!macmillan
From: macmillan@iccgcc.decnet.ab.com
Newsgroups: rec.ham-radio
Subject: PRB-WON/GAME POINT: text of COURT ORDER (finally)
Message-ID: <2307.275e332f@iccgcc.decnet.ab.com>
Date: 6 Dec 90 17:01:51 GMT
Lines: 266
Posted: Thu Dec 6 18:01:51 1990

This file place on this network by: WA8ZHN
J.D. MacMILLAN (Jim)
2760 Gibson Dr.
Rocky River, OH 44116-3009
(216) 333-2235 evenings
(unless you like phone machines)

My Attorney is Bob Winston / W2THU who has his office in Cleveland, OH and can be reached at (216) 771-3314.
He is an A.R.R.L. volunteer consul.

The material herein is my own and in noway associated with my employer, etc.

__...   ...__

FILED NOV 13 PM 4:39
CLERK U.S. DISTRICT COURT
NORTHERN OHIO DISTRICT
CLEVELAND

UNITED STATES DISTRICT COURT
NORTHERN DISTRICT OF OHIO
EASTERN DIVISION

JAMES D. MACMILLAN,) 1:87 CV 2820
)
Plaintiff,)
)
vs -) ORDER
)
CITY OF ROCKY RIVER, et al.,) -----
)
Defendants.)

Battisti, J.

On September 21, 1990, an order was issued addressing the parties cross motions for summary judgment in the instant case. The court ruled that the Rocky River municipal ordinances in question were facially valid, but as applied were preempted by PRB-1, an FCC regulation. In so ruling, the court declined to reach the constitutional issues raised by the Plaintiff, James D. MacMillan. Plaintiff was left to seek his amateur radio antenna permit under the codified Rocky River procedures, and Defendants were instructed that future decision making in this area must include "a reasonable accommodation of the federal government's interest in amateur communications," as expressed in PRB-1.

With the issue of the ordinances' validity addressed, all that remained for consideration was the plaintiff's request for damages. Accordingly, the parties were requested to brief

any remaining claims for damages. (1)

Since Plaintiff's subsequent brief raised only the issue of attorneys fees under 42 U.S.C. sec. 1988, the court assumes that this is the only issue remaining for disposition.

Section 1988 states, in pertinent part:

> In any section or proceeding to enforce a provision of sections 1981, 1982, 1983, 1985, and 1986 of this title, title IX of Public Law 92-318, or title VI of the Civil Rights Act of 1964, the court, in its discretion, may allow the prevailing party, other than the United States, a reasonable attorney's fee as part of the costs.

The Plaintiff claims that although the court did not rule on any of his constitutional claims, he is entitled to attorney's fees as discussed in Maher V. Gagne, 448 U.S. 122, 130-32 (1980).

Although Maher explores the intended scope of sec. 1988, Seaway Drive-In, Inc. v. Township of Clay, 791 F.2d 447 (6th Cir.1986), cert. denied 479 U.S. 884 (1987), is more relevant to the present inquiry. Seaway Drive-In explains the Sixth Circuit's application of Maher, as well as, the Supreme Court's later holdings in Smith v. Robinson, 468 U.S. 992 (1984), and Hensley v. Eckerhart, 461 U.S. 424 (1983).

In Seaway Drive-In, the Plaintiff challenged a town ordinance that regulated drive-ins. 791 F.2d at 449. A preliminary injunction and eventual consent decree were based upon state law claims, obviating the need for the district court to consider the plaintiff's constitutional challenges Id. The district court declined to award the sec. 1988 attorney's fees and the court of appeals reversed. Id. at 455. Seaway Drive-In is analogous to the instant case in which the court did not reach the Plaintiff's constitutional challenges due to the presence of a dispositive non-fee claim.

The Seaway Drive-In court began its analysis by citing the following passage from Maher.

> The legislative history [of sec. 1988] makes it clear that Congress intended fees to be awarded where a pendant constitutional claim is involved, even if the statutory claim on which the plaintiff prevailed is one for which fees cannot be awarded under the act. The report of the Committee on the Judiciary of the House of Representatives accompanying H.R. 15460, a bill substantially identical to the Senate bill that was finally enacted, stated:
>
>> To the extent a plaintiff joins a claim under one of the statutes enumerated in H.R. 15460 with a claim that does not allow attorney fees, that plaintiff, if it prevails on the non-fee claim, is entitled to a determination on the

---

(1) The court has held that the Defendants were entitled to qualified immunity with regard to the claims against them in their individual capacity.

> other claim for the purpose of awarding fees.
>
> Morales v. Haines,486 F.2d 880 (7th Cir. 1973). In some instances, however,the claim with fees may involve a constitutional question which the courts are reluctant to resolve if the non-constitutional claim is dispositive.
>
> Hagens v. Lavine, 415 U.S. 528 [94 S.Ct. 1372, 39 L.Ed.2d] (1974). In such cases, if the claim for which fees may be awarded meets the 'substantiality' test, see Hagans v. Lavine, supra; United Mine Workers v Gibbs, 383 U.S. 715 [86 S.Ct. 1130, 16 L.Ed.2d 218] (1966), attorney's fees may be allowed even though the court declines to enter judgment for the plaintiff on that claim, so long as the plaintiff prevails on the non-fee claim arising out of a 'common nucleus of operative fact.' United Mine Workers v. Gibbs, supra, at 725 [86 S.Ct. at 1138]. H.R.Rep. No. 94-1558, p. 4, n. 7 (1976).

448 U.S. at 132, n. 15 (cited at 791 F.2d at 451). The court equated the test laid out in the legislative history -- i.e. the requirements that the fee claim be substantial and that the fee and non-fee claims arise out of a common nucleus of operative -- with that used to determine whether a court has pendent jurisdiction over state law claims. Seaway Drive-In, 791 F.2d at 452. In addition, it held that the district court had erred in basing its substantiality determination on whether the fee claims could survive a motion for summary judgment at the time of the consent decree. Id. Under the proper substantiality test, a claim is only "insubstantial if it is `obviously without merit' or if `its unsoundness so clearly results from the previous decisions of [the Supreme Court] as to foreclose the subject and leave no room for the inference that the question sought to be raised can be the subject of controversy, '" Id. (Citing Hagans, 415 U.S. at 537).(2)

Based upon the sixth Circuit's construction of the Maher test, this court finds that Plaintiff's constitutional claims were both substantial and arising out of a nucleus of jurisdiction of the District Court, whatever may be the ultimate resolution of the federal issues on the merits.' " Seaway Drive-In, Inc. v. Township of Clay, 791 F.2d 447, 452 (6th Cir. 1986), cert. denied 479 U.S. 884 (1987), (citing Hagans v. Lavine, 415 U.S. 528, 543 (1974)).

---

(2) Further the court stated that " [t]he claim must be `so insubstantial, implausible, foreclosed by prior decisions of [the Supreme Court] or otherwise completely devoid of merit as not to involve a federal controversy within the

operative fact common to both the fee and non-fee claims.(3)

Finally, the Defendants make the unfounded claim that the plaintiff is not a prevailing party. The plaintiff is considered to have prevailed if there is "some actual benefit to the plaintiff either in terms of monetary damages, injunctive relief or a voluntary change in defendant's conduct. " Wooldridge v Marlene Industries Corp., 898 F.2d 1169, 1174 (6th Cir. 1990).

Plaintiff's claims all involved a challenge to the review process to which he was subjected. The court determined that the process was flawed, but only reached

---

(3) The Defendants raise Smith v. Robinson, 468 U.S. 992 (1984), as a basis for denying attorney's fees. The Sixth Circuit addressed both Smith and Hensley v. Eckerhart, 461 U.S. 424 (1983), in Seaway Drive-In, Inc. v. Township of Clay, 791 F.2d 447, 453-55 (6th Cir. 1986), cert. denied 479 U.S. 884 (1987).

Smith involved plaintiff seeking district court review of an adverse agency ruling on numerous non-fee grounds. The only fee claim was a due process attack on the administrative proceedings themselves. The due process claim sought only to prevent further state hearings under the challenged regulation. The Court's holding, therefore, that a fee award was inappropriate was based on the fact that "the due process claim and the substantive claim on which plaintiffs ultimately prevailed involved entirely separate legal theories and, more important, would have warranted entirely different relief. " Smith, 468 U.S. at 1015.

The Sixth circuit viewed Hensley as reaching a similar holding. "Hensley makes clear that the purpose of the 'relationship between the claims' element or the fees award test is to prevent the award of fees in those cases where the fees and non-fee claims ar aimed at achieving different results or where they are based on different facts and different legal theories." Seaway Drive-In, 791 F.2d at 455.

Neither of these cases is analogous to the instant case. The constitutional claims in this case arose from the same local review process. In addition, the relief available in each was substantially similar.

Plaintiff'spreemption claim. plaintiff has, therefore, succeeded in obtaining a new hearing in which the federal interest in amateur radio operation is to be seriously considered. This should lead to a hearing process which is substantially different from plaintiff's last hearing.

Defendants make the alarming allegation that the new review "is consistent with and is not a material alteration of previous consideration of PRB-l by ROCKY RIVER. " This statement is followed by a Citations to the transcript of the prior review which indicates that PRB-l and technical data were submitted for consideration. The Defendants ought not to think that they will comply with this court's order by merely going through the motions or denying Mr. MacMillan another permit. Any decision to disregard the federal interest raised in PRB-l must be based upon substantial justification end explained in the record. Defendants should keep in mind that after this litigation it may be more difficult to support a claim for qualified immunity if they once again fail to sufficiently consider the federal interests involved.

Plaintiff's motion for sec. 1988 attorney's fees is GRANTED. Plaintiff is instructed to submit a reasonable accounting of his fees in this case within thirty days of the issuance of this order.

IT IS SO ORDERED.

Frank J. Battisti.
United States District Judge

From -5751575542584896256
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2d22f566f74381de,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 09:12:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!usc!sdd.hp.com!news.cs.indiana.edu!news.nd.edu!news
From: 0003829147@mcimail.com (Sander J. Rabinowitz)
Newsgroups: rec.ham-radio
Subject: FCC's No-Code Proposal: Where's it headed?
Message-ID: <1990Dec6.171217.29904@news.nd.edu>
Date: 6 Dec 90 17:12:17 GMT
Sender: news@news.nd.edu (USENET News System)
Reply-To: sjr@mcimail.com (Sander J. Rabinowitz)
Organization: ---
Lines: 10
Posted: Thu Dec 6 18:12:17 1990

As someone who is just beginning to study the appropriate rules and code (in contemplation of a Novice license), I wonder if anyone has an idea what's the current status of the FCC's Communicator License proposal. Is it still in the review stage? And if it's already been approved, when does it take effect?

Thanks in advance for your reply.

```
---
Sander J. Rabinowitz    | sjr@mcimail.com -or-  | No callsign as yet
Farmington Hills, Mich. | !sander@attmail.com   |       8-)
```

```
From -3469625058029818335
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-Thread: 1157da,898c109b475b71e9,start
X-Google-Attributes: gid1157da,public
X-Google-ArrivalTime: 1990-12-06 09:36:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
psuvax1!rutgers!mcnc!uvaarpa!murdoch!news
From: randall@Virginia.EDU (Ran Atkinson)
Newsgroups: news.groups,news.admin,rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <1990Dec6.173619.22401@murdoch.acc.Virginia.EDU>
Date: 6 Dec 90 17:36:19 GMT
References: <19@shasta.Stanford.EDU> <1990Dec6.095416.7724@EE.Surrey.Ac.UK>
Sender: news@murdoch.acc.Virginia.EDU
Reply-To: Ran Atkinson <randall@Virginia.EDU>
Organization: University of Virginia
Lines: 21
Xref: gmdzi news.groups:23375 news.admin:9659 rec.ham-radio:17565
Posted: Thu Dec  6 18:36:19 1990
```

In article <1990Dec6.095416.7724@EE.Surrey.Ac.UK> eep1mw@surrey.ac.uk (Mike Willis) writes:

>I had enough difficulty getting the University to enable the current
>groups, changing things just makes life difficult. We will probably lose
>the service altogether.
>Mike.

Ignoring the fact that local administrative problems aren't of relevance to the net at large, there probably are a fair number of folks who'd like to read the Amateur Radio groups as mail rather than news.

Perhaps someone out there would be willing to setup a news->mail gateway for one or more of these groups. There is a very slight chance I could work out something like that, but it isn't trivial for me in my present circumstance. Surely there is an Amateur Radio operator who is a sysadmin

somewhere already who could be talked into creating such a service. I'd
be happy to help out with the "How to set it up under UNIX ?" if someone
were willing to put it in place.

Ran
randall@Virginia.EDU

From 4197152260115297439
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0cab89724683f8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,c0cab89724683f8
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f5cc0,c0cab89724683f8
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-12-06 09:36:28 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!
uakari.primate.wisc.edu!samsung!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!
utzoo!henry
From: henry@zoo.toronto.edu (Henry Spencer)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.space
Subject: Re: * SpaceNews 03-Dec-90 *
Message-ID: <1990Dec6.173628.1994@zoo.toronto.edu>
Date: 6 Dec 90 17:36:28 GMT
References: <378@ka2qhd.UUCP> <1990Dec3.183522.25647@qualcomm.com>
<1990Dec4.183721.6956@zoo.toronto.edu>
<1990Dec5.132743.15342@batcomputer.tn.cornell.edu>
<1990Dec6.121859.836@qualcomm.com>
Organization: U of Toronto Zoology
Lines: 31
Xref: gmdzi rec.ham-radio:17560 rec.ham-radio.packet:3168 sci.space:18102
Posted: Thu Dec 6 18:36:28 1990

In article <1990Dec6.121859.836@qualcomm.com> antonio@drzeus.qualcomm.com
(Franklin Antonio) writes:
>... How can this billions of years stability stuff be science
>if you can't test the result of the theory? Meet me in two billion years
>for pizza. If it turned out that the solar system WAS stable, i'll buy you
>a beer.

Seen in Usenet newsgroup sci.space.celmech.history, 6 Dec 2000001990:

The adjudicating committee appointed last year has regretfully
announced that the Two Billion Year Bet has had to be called off.
The pizza was good, but everyone had to buy their own beers.
(The management did, however, agree to a special rate, only
$6945/liter for an excellent import from Heidelberg IV. The
local branches of the major US brewers offered to provide beer
free, but everyone naturally ignored them.) Citing impossible
difficulties in deciding whether the solar system would have
been stable if left alone, the committee concluded that no
settlement of the bet was possible. "Moving Venus and Mercury

out was not that big a deal, and we think we could have allowed
for that, but the Arts Council grant of 3476876 for rearranging
the asteroids into aesthetically pleasing formations by modulating
the orbit of Jupiter just caused hopeless confusion, and when the
Flat Ecliptic Society started tidying the orbits up in preparation
for the Galactic Fair of 78654379, well, that was the last straw.
Not even the generous donation of five milliseconds of Cray-94673
time by UUNET Intergalactic Communications Inc was sufficient to
decide what would have happened if the upkeep of the solar system
had been neglected for so long."

--
"The average pointer, statistically, |Henry Spencer at U of Toronto Zoology
points somewhere in X." -Hugh Redelmeier| henry@zoo.toronto.edu   utzoo!henry

---

From 5577514489794946235
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4d4f5d282869d9e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 09:38:17 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!tektronix!sequent!mntgfx!mbutts
From: mbutts@mentor.com (Mike Butts)
Newsgroups: rec.ham-radio
Subject: Re: High-speed links
Message-ID: <1990Dec6.173817.7829@mentor.com>
Date: 6 Dec 90 17:38:17 GMT
Organization: engr
Lines: 25
Posted: Thu Dec 6 18:38:17 1990

In article <5591@qip.UUCP>, elliott@optilink.UUCP writes:
>Which raises this question: What kind of network(s) are we trying to
>build? Most of the packet networks are being developed using a datacomm
>model, where a packet-switched signal will take many tens of milliseconds
>to traverse even a small network (due to the buffering required for the
>packets). This is fine for most data work, but is unacceptable for
>real-time voice connections, where end-to-end delays of much more than a
>few milliseconds are intolerable (in full-duplex, anyway).

We experience end-to-end delays of up to 250 milliseconds in full-duplex OSCAR
13 SSB, and it's quite tolerable. While most contacts are still conducted
half-duplex style, many ops casually converse in full-duplex very successfully.
Not that the lack of delay wouldn't be desirable, but for the record, a big
delay is being tolerated today.

By the way, on the subject of delayed full-duplex, pileups on OSCAR 13 are
unique, since everyone can hear how well they are heard in the downlink. We
can get into a mode where everyone collides, then there's a bit of a lull, so
everyone tries again. Retrying after a random time is often more successful.
Sort of like a real ETHERnet.

--
Michael Butts, Research Engineer   KC7IT   503-626-1302(fax:1282)
Mentor Graphics Corporation, 8500 SW Creekside Place, Beaverton, Oregon   97005

...tektronix!sequent!mntgfx!mbutts   uunet!mntgfx!mbutts   mbutts@mentor.com
Any opinions are my own, and aren't necessarily shared by Mentor Graphics Corp.

From -2547274546715793332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,83ec141b3d1d3586,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,83ec141b3d1d3586,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-Thread: f76e2,83ec141b3d1d3586,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-12-06 10:26:35 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.shortwave,news.groups
Subject: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <681.275E4825@w8grt.fidonet.org>
Date: 6 Dec 90 18:26:35 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 57
Xref: gmdzi rec.ham-radio:17555 rec.ham-radio.packet:3167 rec.ham-radio.swap:851 rec.radio.shortwave:3050 news.groups:23371
Posted: Thu Dec 6 19:26:35 1990

> From: davidsen@crdos1.crd.ge.COM (Wm E Davidsen Jr)
> Date: 5 Dec 90 14:34:04 GMT
> Organization: GE Corp R&D Center, Schenectady NY
> Message-ID: <2997@crdos1.crd.ge.COM>
> Newsgroups: news.groups,rec.ham-radio
>
> In article <19@shasta.Stanford.EDU> paulf@shasta.Stanford.EDU (paulf)
> writes:
>
> | PROPOSED ADDITIONS:
> |
> | 1. rec.radio.ham
> | 2. rec.radio.ham.legal
> | 3. rec.radio.ham.packet
> | 4. rec.radio.ham.swap
>
> | PROPOSED DELETIONS:
> |
> | 1. rec.ham-radio
> | 2. rec.ham-radio.packet
> | 3. rec.ham-radio.swap
>

> [note: I have not delete any explanation here]
>
> | Commentary Period: Dec. 4 -14, 1990
>
> A few comments: a few sentences about the other rec.radio groups would have made it clear why you were changing ham-radio to radio.ham, and I would like to see .misc used for the catch-all group.
>
> Finally, I don't personally like the .legal name, as it encourages thought of "what part is not legal?" If you can can think of a beter name (ie. more descriptive) it might aid in identifying the group. I don't really care for legal-issues or legalities, but perhaps regulations would be better, since you will probably be talking mostly about things which are not laws (passed by congress) but regulations from the FCC.

How about rec.radio.amateur.policy?

My only objection to the new newsgroup is that it has all the earmarks of sticking one's head in the sand rather than coming to grips with the fact that when ham radio dies (and it probably will) it will be for political reasons. We ignore that side of the hobby at our peril.

The technoids go on and on wonderfully about their ideas for the design of the Phantasmagorical Data Engine with the blind faith assumption that when they're done, we'll have amateur bands to use it in. I don't think we can assume that, and sticking those who write about it in a "newsghetto" so they can be ignored more easily will be counterproductive in the long run. Penny wise and pound foolish, as it were.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -4630643945174906858
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,45fedfb5b5903eda
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,45fedfb5b5903eda
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-06 10:40:40 PST
Xref: utzoo sci.electronics:16117 rec.ham-radio:27809
Path: utzoo!censor!geac!torsqnt!news-server.csri.toronto.edu!cs.utexas.edu!swrinde!elroy.jpl.nasa.gov!ncar!ncar.ucar.edu!hpoppe
From: hpoppe@ncar.ucar.edu (Herb Poppe)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Cross Assembler posted to Alt.sources
Message-ID: <9428@ncar.ucar.edu>
Date: 6 Dec 90 18:40:40 GMT
References: <598@ssc.UUCP>
Sender: news@ncar.ucar.edu

Distribution: na
Organization: National Center for Atmospheric Research
Lines: 12

In article <598@ssc.UUCP> markz@ssc.UUCP (Mark Zenier) writes:
> I'm in the process of posting the source code for
> a simple retartgetable cross assembler for 8/16 bit
> microprocessors to the alt.sources newsgroup.

We don't "subscribe" to this newsgroup; is it archived somewhere on the
Internet and available for anonymous FTP?

Herb Poppe   hpoppe@ncar.ucar.edu
NCAR   (303) 497-1296
1850 Table Mesa Dr.
Boulder, CO 80307-3000

From 4045217939500290896
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 10:42:14 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!rutgers!
netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <34186@netnews.upenn.edu>
Date: 6 Dec 90 18:42:14 GMT
References: <19@shasta.Stanford.EDU> <1403@necis.UUCP>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 43
Xref: gmdzi news.groups:23372 rec.ham-radio:17563
Posted: Thu Dec 6 19:42:14 1990

In article <1403@necis.UUCP> rbono@necis.UUCP (NM1D) writes:
> Basically, what I am saying is that all references to the slang 'HAM'
>should be changed to 'AMATEUR'.... therefore 'rec.radio.ham' becomes
>'rec.radio.amateur' and so on.   This will not cause confusion on anyones part.
> I think that only 'hams' know what the term 'ham' radio really means.

Sounds like a good idea to me. We could use more members, and I think
"amateur" is more recognizable to non-hams.

>   rec.radio.amateur
>   rec.radio.amateur.packet
>   rec.radio.amateur.swap
>   rec.radio.amateur.legal   (yes, I think this subgroup can be added,

> although I wonder how many people will 'read'
> it at all!)

r.r.a.legal seems a bit too specific. Legal debates (e.g. regulation debates, tower ordinances, etc.) seem to come and go in spurts. I don't see the use of having a seperate group for just this particular aspect of normal traffic.

r.r.a.swap might be better as just rec.radio.swap, since this may encourage others with non-amateur-specific yet amateur-related equipment to post here as well. For example, test equipment, SW receivers, scanners, microwave equipment, etc. is of interest to hams, but is not necessarily ham specific. Traffic on the current r.h-r.swap is relatively light the way it is now (probably averages about 8 articles/day), so expanding it seems to be logical.

Another idea, though I don't feel too strongly one way or the other on this one. Make it rec.radio.amateur.digital instead of .packet. This may encourage discussion of possible new modes other than what we commonly consider "packet" (e.g. spread-spectrum). Oops. I can see it now. Some of the die-hard CW ops will decide that this is their place to hang out. :-)

--- Jeff

```
--
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
 Jeff DePolo  N3HBZ             Twisted Pair: (215) 386-7199
 depolo@eniac.seas.upenn.edu    RF: 146.685- 442.70+ 144.455s (Philadelphia)
 University of Pennsylvania     Carrier Pigeon: 420 S. 42nd St. Phila PA 19104
```

From -3753107392541485523
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4efced503c74fd5e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 135d6f,4efced503c74fd5e,start
X-Google-Attributes: gid135d6f,public
X-Google-ArrivalTime: 1990-12-06 11:08:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!ames!sheila.arc.nasa.gov!paluzzi
From: paluzzi@sheila.arc.nasa.gov (Peter Paluzzi ZeroOne)
Newsgroups: rec.ham-radio,sci.eletronics
Subject: Info Needed: FAX on Amateur Radio
Message-ID: <1990Dec6.190839.8408@news.arc.nasa.gov>
Date: 6 Dec 90 19:08:39 GMT
Sender: usenet@news.arc.nasa.gov (USENET Administration)
Reply-To: paluzzi@sheila.arc.nasa.gov (Peter Paluzzi ZeroOne)
Organization: NASA Ames Res. Ctr., Mtn Vw CA 94035
Lines: 19
Xref: gmdzi rec.ham-radio:17526
Posted: Thu Dec 6 20:08:39 1990

I would like to know if anyone has used one of the commercially available FAX machines over an amateur radio link? I think the signals represent bitmap images (0 bit for a white pixel, 1 bit for a black pixel) sent as a bit stream at a 9600 baud data rate.

If this has been done, how did you do it? How did you interface the FAX to the radio? I presume that the UHF bands were used owing to the bandwith needed.

Any information would be appreciated. I'll summarize and repost if enough interst exists.

73s
Pete

Peter Paluzzi, Sr. Graphics Analyst, Sterling Software, ZeroOne Group
Advanced Computing Facility, NASA/Ames Research Center
Mail Stop 233-3, Moffett Field, CA 94035
(415) 604-4589 paluzzi@ames.arc.nasa.gov N6YEO (FTS) 464-4589

```
From -9088338065181235313
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 11:53:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Internet-Packet Reply (LONG!)
Message-ID: <1250288@hpnmdla.HP.COM>
Date: 6 Dec 90 19:53:21 GMT
References: <662.2759659C@w8grt.fidonet.org>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 12
Posted: Thu Dec  6 20:53:21 1990
```

>I would think that anyone sending e-mail to a ham on the .ampr.org
>domain would be the same as my girlfriend making a reverse autopatch
>on the local repeater. If I was not there to answer the call, and a
>control opr was not on freq at the time, SHE would have controlled the
>repeater. And this DOES happen in the REAL WORLD!! Are we to then
>say that ALL reverse autopatches are to be turned off ????

This is clearly illegal, and has been for years. If you have a reverse autopatch, you must employ means to ensure that only properly-licensed hams can access it.

AL N1AL

```
From 1857585364007496584
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db1d106380df7ba1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 12:01:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: TVI Problem
Message-ID: <1250289@hpnmdla.HP.COM>
Date: 6 Dec 90 20:01:00 GMT
References: <1168@larry.sal.wisc.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 16
Posted: Thu Dec 6 21:01:00 1990

In rec.ham-radio, sde@larry.sal.wisc.edu (Scott Ellington) writes:

>I have a baffling TVI problem, and I'd like to see if anyone else has
>encountered anything similar. "Something" within about 150 meters of
>my antenna is apparently rectifying my 15 meter signal, and generating
>a harmonic at 63 MHz. Harmonic generation in the rig and antenna
>system have been ruled out. ...

I would look first for some equipment/appliance that includes 1 or
more semiconductor rectifying junctions. Garage door openers are
notorious because they have long wires attached which make great
antennas. Also electronic doorbells for the same reason. One
situation I read about involved a kid's crystal radio.

AL N1AL

From 2394510142463615300
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,174a1b19336fd0f6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 12:17:17 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!sdd.hp.com!hplabs!hpda!hpwala!hpnjld!eyg
From: eyg@hpnjld.HP.COM (Ed Gilbert)
Newsgroups: rec.ham-radio
Subject: Re: ARRL 160 Meter Contest Results
Message-ID: <4140027@hpnjld.HP.COM>
Date: 6 Dec 90 20:17:17 GMT
References: <s3qNT1w163w@bluemoon.uucp>
Organization: Hewlett Packard NJD, Rockaway NJ
Lines: 37
Posted: Thu Dec 6 21:17:17 1990

[I tried email but it bounced.]

>   QSOs: 958

```
>     Mults:     85 (Missed KV4, VE5, VE8/VY1; 11 DX countries)
>     Score: 165,665
```

Very nice job. Congratulations.

>Transmitting antenna was a 30-foot high top-loaded vertical mounted on
>a 2.5-acre aluminum foil ground plane (part of the permenent
>radiotelescope on the site), fed through approximately 600-feet of
>RG8/U.

You had a very nice signal in NNJ. It's amazing what you can do with such a short antenna. How do you match that thing? The feed point impedance must be very low.

>. We know that we were beaten this
>year by K2WI, who posted 902 QSOs and around 94 multiplier.
>
>Are there any other scores out there? If so, we'd like to hear about
>them!

I heard from W2GD that AB4RU, who was also multi-op, had a higher score than K2WI. They were using a 1/4 wave tower with radials elevated about 30' off ground.

Best score heard was K1ZM, with 1010 QSOs and around 100 multipliers. He was single-op.

Conditions here were fair Friday and poor Saturday. There didn't seem to be much dx activity this year. I ended up with 710 QSOs and 83 mults using a 100' long dipole fed with 600 ohm open wire. It seems to get out ok, but I missed a lot of weak ones that I couldn't hear through the QRN well enough to work.

Ed WA2SRQ

```
From -3728862716912621756
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f2ff5f748a0d695
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6f2ff5f748a0d695
X-Google-Attributes: gid114aac,public
X-Google-Thread: f8760,6f2ff5f748a0d695
X-Google-Attributes: gidf8760,public
X-Google-Thread: f8c35,6f2ff5f748a0d695
X-Google-Attributes: gidf8c35,public
X-Google-Thread: f74ae,6f2ff5f748a0d695
X-Google-Attributes: gidf74ae,public
X-Google-Thread: f5cc0,6f2ff5f748a0d695
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-12-06 12:43:18 PST
Xref: utzoo rec.ham-radio:27763 rec.radio.shortwave:4391 sci.astro:10715
sci.space:26136 comp.sys.atari.8bit:4295 soc.culture.china:42165
```

Path: utzoo!utgpu!news-server.csri.toronto.edu!rutgers!cs.utexas.edu!rice!spotted.rice.edu!jsd
From: jsd@spotted.rice.edu (Shawn Joel Dube)
Newsgroups: rec.ham-radio,rec.radio.shortwave,sci.astro,sci.space,comp.sys.atari.8bit,soc.culture.china
Subject: Re: Good Bye (Quite possibly my last posting from this site)
Keywords: lay-off
Message-ID: <1990Dec6.204318.9557@rice.edu>
Date: 6 Dec 90 20:43:18 GMT
References: <114321@philabs.Philips.Com> <1990Dec6.051731.23161@rice.edu>
Sender: news@rice.edu (News)
Reply-To: jsd@spotted.rice.edu (Shawn Joel Dube)
Distribution: usa
Organization: Rice University
Lines: 22

In article <1990Dec6.051731.23161@rice.edu>, jsd@boreal.rice.edu (Shawn Joel Dube) writes:
|> In article <114321@philabs.Philips.Com>, rfc@briar.Philips.Com (Robert Casey) writes:
|> |> I'm afraid that this may be my last posting. Philips is having layoffs, and I
|> |> might get canned.....
|>
|>
|> This brings up a question. How many people subscribe to this
|> newsgroup??? I'm curious to know.
|>
|> Just EMail a small letter and I'll post a total count in about a week.
|>

Sorry I ask!!!! It's well over 70 so......Please, no more mail :-)

```
--
rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr
r     ___     _              "...but then there was the         r
r    /__     | \              possibility that they were        r
r   ___/hawn |__\ube          LaRouche democrats which, of      r
r  jsd@owlnet.rice.edu        course, were better off dead."    r
rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr
```

From -4789409690727149648
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f2ff5f748a0d695
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f8760,6f2ff5f748a0d695
X-Google-Attributes: gidf8760,public
X-Google-Thread: 114aac,6f2ff5f748a0d695
X-Google-Attributes: gid114aac,public
X-Google-Thread: f5cc0,6f2ff5f748a0d695

X-Google-Attributes: gidf5cc0,public
X-Google-Thread: f8c35,6f2ff5f748a0d695
X-Google-Attributes: gidf8c35,public
X-Google-Thread: f74ae,6f2ff5f748a0d695
X-Google-Attributes: gidf74ae,public
X-Google-ArrivalTime: 1990-12-06 12:50:20 PST
Xref: utzoo rec.ham-radio:27764 rec.radio.shortwave:4392 sci.astro:10716 sci.space:26137 comp.sys.atari.8bit:4296 soc.culture.china:42166
Path: utzoo!utgpu!news-server.csri.toronto.edu!rutgers!cs.utexas.edu!rice!spotted.rice.edu!jsd
From: jsd@spotted.rice.edu (Shawn Joel Dube)
Newsgroups: rec.ham-radio,rec.radio.shortwave,sci.astro,sci.space,comp.sys.atari.8bit,soc.culture.china
Subject: Re: Good Bye (Quite possibly my last posting from this site)
Keywords: lay-off
Message-ID: <1990Dec6.205020.9837@rice.edu>
Date: 6 Dec 90 20:50:20 GMT
References: <114321@philabs.Philips.Com> <1990Dec6.051731.23161@rice.edu> <1990Dec6.204318.9557@rice.edu>
Sender: news@rice.edu (News)
Reply-To: jsd@spotted.rice.edu (Shawn Joel Dube)
Distribution: usa
Organization: Rice University
Lines: 15

There was a small mis-understanding. I read the origanal article
in comp.sys.atari.8bit which isn't very active and when I posted
my request for a count, it not only went to the atari newsgroup, but
all the others mentioned in the heading. So I really didn't want
all your mail, just the people from comp.sys.atari.8bit. :-)
My mistake....

```
--
rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr
r     ___     _              "...but then there was the         r
r    /__     | \              possibility that they were        r
r   ___/hawn |__\ube          LaRouche democrats which, of      r
r  jsd@owlnet.rice.edu        course, were better off dead."    r
rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr
```

From 4730791318976708361
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96f96cb9808e4586
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 12:54:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ub!uhura.cc.rochester.edu!rochester!ray
From: ray@cs.rochester.edu (Ray Frank)
Newsgroups: rec.ham-radio
Subject: cellular phones

Keywords: CW
Message-ID: <1990Dec6.205418.5625@cs.rochester.edu>
Date: 6 Dec 90 20:54:18 GMT
References: <815@idacrd.UUCP> <1990Nov29.033524.23715@informix.com>
<17730@netcom.UUCP>
Reply-To: ray@cs.rochester.edu (Ray Frank)
Organization: University of Rochester Computer Science Dept
Lines: 6
Posted: Thu Dec 6 21:54:18 1990

Does anyone know how to get a hold of a map of cellular cites in their area as well as the frequencies of channels of these cites? Is this public domain stuff?

ray

From 4903566542156609510
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4eaae53c8d9cb9d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 13:09:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!WABASH.BITNET!PERRYR
From: PERRYR@WABASH.BITNET (GWYFFD)
Newsgroups: rec.ham-radio
Subject: Alinco control
Message-ID: <9012061234.AA02681@ucsd.edu>
Date: 6 Dec 90 12:33:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 27
Posted: Thu Dec 6 13:33:00 1990

Someone asked about the memory control of Alinco rigs (with ref to remote control), and while I can't vouch for the 590, I have the DJ-160 HT. On that rig, the memory can be accessed by the rotary dial on top of the HT, and a pushbutton on the top of the front side. Both of those methods are just a increment-decrement. There is NO provision for accessing a memory channel directly.

All in all, I've been very happy with the rig, my first foray into the world of 2m. The only bad things I have to say about it are

1) The manual STINKS to high heaven. It's obviously a translation from Japanese, and it's more confusing than it is useful. It took me 3 weeks to figure out the DTMF/CTCSS functions.

2) Alinco has a good radio, but there are NO accessories available for the HT's. . . They shipped the rigs to get them on the market, but haven't supported them. A speaker/mike would be nice, as would DC adapters, etc...

Well, I've taken up enough bandwidth for today.
Just as a closing comment, does anyone have MARS/CAP mods for the DJ-160? I would be very interested in them.

Yours,

R. Todd Perry
KB2JAC/9
PERRYR@WABASH.Bitnet

From 8584153088016899062
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a8d6d2c2482b442,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-06 13:17:00 PST
Path: gmdzi!unido!mcsun!uunet!motcid!froula
From: froula@motcid.UUCP (Don Froula)
Newsgroups: rec.ham-radio
Subject: CMOS Super Keyer II, 11/90 QST
Keywords: keyer
Message-ID: <4538@apricot29.UUCP>
Date: 6 Dec 90 21:17:00 GMT
Distribution: rec
Organization: Motorola Inc., Cellular Infrastructure Div., Arlington Heights, IL
Lines: 11
Posted: Thu Dec 6 22:17:00 1990

I agree with the other postings: this IS a very nice keyer. I was wondering if the authors have any plans to make the source code available. I notice that the 68HC705C8 has a serial port and built in async communication capability. A keyboard interface would make a nice enhancement to the project.

In fact, since the software recognizes CW from the paddles, a CW reader with terminal interface may not be very hard to do. I read in the latest issue of Monitoring Times that one comercial stand-alone CW reader uses this same processor.

73

From -627842801396286818
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6e083d201700a733,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 112d29,6e083d201700a733,start
X-Google-Attributes: gid112d29,public
X-Google-ArrivalTime: 1990-12-06 13:26:13 PST
Path: gmdzi!unido!mcsun!uunet!ism.isc.com!ism.isc.com!johnan
From: johnan@ism.isc.com (John Antypas)
Newsgroups: comp.os.misc,rec.ham-radio
Subject: What should a scheduler do?
Message-ID: <1990Dec06.212613.25912@ism.isc.com>

Date: 6 Dec 90 21:26:13 GMT
Sender: usenet@ism.isc.com (Usenet News)
Reply-To: johnan@ism.isc.com (John Antypas)
Organization: Interactive Systems Corp., Santa Monica, CA
Lines: 36
Xref: gmdzi comp.os.misc:1185 rec.ham-radio:17566
Posted: Thu Dec 6 22:26:13 1990

Some of us here at ISC are looking into developing a new interface for the famous KA9Q program under Unix. While KA9Q works under Unix, it is a monolithic program handling all client and server tasks. We would like to split this apart such that clients and servers need not run as the same process.

To do this, we envision something like:

```
         Clients....Clients...Clients....
                \------|--------/-----\
                 Networking Layer------Scheduling Layer
                       |                   |
                      O/S Specific Interface Layer
```

The above approach would allow to develop clients and servers to use a specific set of networking and OS call and not worry about whether we're running AX.25, TCP/IP, SNA/LU6.2 et al. on Unix, DOS, WIN 3, AmigaDos et al.

First question:

What should a multi-processing interface library allow access to?

Process creation, destruction, task prioritizing etc...

What should a networking layer handle?

Set up, Teardown, vc byte streams, datagrams et al.

Comments as always, are welcome...

John Antypas / Interactive Systems Corp. .!uunet!ism!johnan johnan@ism.isc.com
All statements belong to author.

"Help! I've crashed -- and I can't reboot!!" -- oracle@iuvax.cs.indiana.edu

From -4441021565923545980
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95dcea8e7f0bf042,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,95dcea8e7f0bf042,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-12-06 13:28:49 PST

Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!mintaka!think.com!
sdd.hp.com!ucsd!pacbell.com!att!cbfsb!cbnewsc!tedk
From: tedk@cbnewsc.att.com (ted.g.kekatos)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Lojack Direction Finders SPOTTED
Message-ID: <1990Dec6.212849.16743@cbnewsc.att.com>
Date: 6 Dec 90 21:28:49 GMT
Organization: AT&T Bell Laboratories - Indian Hill - Naperville, IL
Lines: 13
Xref: gmdzi rec.ham-radio:17558 rec.radio.shortwave:3051
Posted: Thu Dec 6 22:28:49 1990

I have spotted several Chicago Police and Illinois State Police
cars with four equal spaced antenna on the roof. The antenna are about 16 inches
long. I believe that this is direction finder equipment for Lojack devices.

Ted G. Kekatos   Amateur Radio N9IXE
Packet: N9IXE @ WB9MJN.IL.USA.NA
INTERNET: tedk@i88.isc.com
UUCP: ..!att!ihlpl!tedk   (708) 979-0804
AT&T Bell Laboratories, Indian Hill, IH-6T-206
2000 North Naperville Road.
Naperville, Illinois. 60566 USA

From 4550959877819780633
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8321fc3535fbd153
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 13:27:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpda!hpwala!hpnjld!eyg
From: eyg@hpnjld.HP.COM (Ed Gilbert)
Newsgroups: rec.ham-radio
Subject: Re: Loading up a tower for 40/80/160M
Message-ID: <4140025@hpnjld.HP.COM>
Date: 4 Dec 90 21:27:19 GMT
References: <2829@lupine.NCD.COM>
Organization: Hewlett Packard NJD, Rockaway NJ
Lines: 12
Posted: Tue Dec 4 22:27:19 1990

I've had some experience shunt feeding towers on 160m. Crank up
towers are particulary difficult to shunt feed. Unless you are
willing to leave your tower fully extended most of the time I
wouldn't recommend shunt feeding it. It's hard to get reliably
good connections between the sections with crank ups. You
might think about guying the thing at the top with phillistran
non-conductive guys and leaving the tower permanently extended.
Then you can bond the tower sections together and mount your
shunt feed connections.

Ed, WA2SRQ

```
From -4658525550305187421
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38404c20fafc0e0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 13:34:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpda!hpwala!hpnjld!eyg
From: eyg@hpnjld.HP.COM (Ed Gilbert)
Newsgroups: rec.ham-radio
Subject: Re: CQ Maine
Message-ID: <4140026@hpnjld.HP.COM>
Date: 4 Dec 90 21:34:41 GMT
References: <40640@ut-emx.uucp>
Organization: Hewlett Packard NJD, Rockaway NJ
Lines: 10
Posted: Tue Dec  4 22:34:41 1990
```

I worked half a dozen Maine stations last weekend in the 160m contest. Some of them had decent signals which I would think you could have heard. I worked 710 stations using an 80 meter dipole, so you don't have to have a 1/4 wave vertical to get out.

Look for KA1PE almost every evening between 1830 and 1840. He's usually chasing DX, but I'm sure he'd gladly give you a contact for WAS. He has a VERY loud signal, and you should have no trouble hearing him.

Ed, WA2SRQ

```
From 8267293929621730394
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f08309c7ff227d07,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 13:38:32 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!
hpspkla!andersen
From: andersen@hpspkla.spk.hp.com (Brad E. Andersen)
Newsgroups: rec.ham-radio
Subject: Latest Callsigns?
Message-ID: <4630021@hpspkla.spk.hp.com>
Date: 4 Dec 90 21:38:32 GMT
Organization: Hewlett Packard Company, Spokane, Wa.
Lines: 10
Posted: Tue Dec  4 22:38:32 1990
```

Would it be possible to get the latest callsign assignments?

I'm, of course, curious since I'm waiting for my first one!

Thanks in advance

Brad Andersen
andersen@hp-lsd!hpspkla

```
From 3979162205065460993
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 14:21:22 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!ncar!gatech!
rutgers!kb2ear!overlf!emanuele
From: emanuele@overlf.UUCP (Mark A. Emanuele)
Newsgroups: rec.ham-radio
Subject: Re: Internet-Packet Reply (LONG!)
Summary: Typical ARRL bags of wind
Message-ID: <1838@overlf.UUCP>
Date: 4 Dec 90 22:21:22 GMT
References: <602.27528414@w8grt.fidonet.org> <368@ultrix.uhasun.hartford.edu>
Organization: Overleaf, Inc.
Lines: 49
Posted: Tue Dec  4 23:21:22 1990
```

In article <368@ultrix.uhasun.hartford.edu>, jbloom@uhasun.hartford.edu (Jon Bloom) writes:

>
> The FCC's major concern is not that someone might say a naughty word
> on the air. They are concerned that unscrupulous people might use
> amateur frequencies for business or criminal purposes without there
> being any means of detecting and tracking them.

If someone wants to use amateur frequencies for criminal purposes all they have to do is go down to a Radio Shack store and buy a radio. I would think that anyone sending e-mail to a ham on the .ampr.org domain would be the same as my girlfriend making a reverse autopatch on the local repeater. If I was not there to answer the call, and a control opr was not on freq at the time, SHE would have controlled the repeater. And this DOES happen in the REAL WORLD!! Are we to then say that ALL reverse autopatches are to be turned off ????

I know of a local repeater system that has a special dedicated twisted pair to the local PD so the PD can come up on the HAM repeater whithout ham intervention. They have a 911 service on the machine and if the PD needs additional info, they pick up the handset and PRESTO they are on the air. this has proved to be very helpful in emergency situations.

>
> If people decide en masse that "it's better to beg forgiveness than

> to ask permission," and they start installing Internet<->packet
> gateways willy nilly, I predict that the eventual result will be a
> tightening of the rules to prohibit third-party digital connections
> generally. No one wants that.
>

except maby the ARRL, so they can say "I Told You SO"

> --
> Jon Bloom, KE3Z | American Radio Relay League
> Internet: jbloom@uhasun.hartford.edu |
> Snail: 225 Main St., Newington, CT 06111 | "I have no opinions."

Mark A. Emanuele   N2CBO
--
Mark A. Emanuele
V.P. Engineering Overleaf, Inc.
500 Route 10 Ledgewood, NJ 07852-9639   attmail!overlf!emanuele
(201) 927-3785 Voice   (201) 927-5781 fax   emanuele@overlf.UUCP

From 2020882505744420683
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6d791d7917a1c31d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 14:28:54 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!usc!cs.utexas.edu!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: The Hate Herbie Net
Keywords: 20 meter mess
Message-ID: <5624@qip.UUCP>
Date: 4 Dec 90 22:28:54 GMT
References: <1990Dec1.064203.3875@lopez.UUCP> <1990Dec3.174656.27983@dcdwest.uucp> <47056@apple.Apple.COM>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 23
Posted: Tue Dec 4 23:28:54 1990

In article <47056@apple.Apple.COM> kchen@Apple.COM (Kok Chen) writes:
]
]Check this month's QST for news on what the FCC did to fellow
]netperson K1MAN. Sometimes, you do not have to wait for st. Peter.

I wouldn't hold my breath waiting for K1MAN to really be punished,
based on the following information:
  1>K1MAN is a quite good amateur lawyer, having fought the FCC into

the US Court of Appeals on the AM power limitation [this information
from a former FCC lawyer who was involved].
2>It is one thing to issue a notice to pay a fine (forget the name
of the thing) - it is quite another to collect. The first is a
non-judicial administrative action. To collect if he protests,
however, the FCC has to take him to court.

On the other hand, I hope they get him. I have had some very unpleasant
personal experiences with that idiot.
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From -8808066880412005532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4343e6cfbeb25c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 15:22:51 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins: Space Shuttle
Message-ID: <9012042322.AA26345@blackbird.afit.af.mil>
Date: 4 Dec 90 23:22:51 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Wed Dec 5 00:22:51 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current elements for the current shuttle mission are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
STS 35
1 20980U 90106  A 90338.78402777  .00035780  00000-0  25599-3 0    87
2 20980  28.4673 346.8878 0009170 307.4417 262.4250 15.72167379   401
```

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

---

From 2032901180418717846
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b18103fca3bc947d,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-12-04 15:45:04 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!fab8.intel.com!rharel
From: rharel@fab8.intel.com (CAL-LAB (MS:JER2-85 TEL:7589))
Newsgroups: rec.ham-radio
Subject: GTE 8870 decoder chip - NEEDED
Message-ID: <9012040823.AA24768@hermes.intel.com>
Date: 4 Dec 90 08:23:13 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4
Posted: Tue Dec 4 09:23:13 1990

Anyone know a source for an 8870 chip by GTE ? It's an 18 pin touch tone
decoder chip used in the Hamtronics TD2 controller/decoder.
I wish I haden't given away all my SSI202 decoder chips once sold by Radio
Shack, they're hard to come by these days - Any known sources ?

From -5648012408638459777
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c744dcca857dc92b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 15:45:38 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!ucsd!ucbvax!hls.com!trop
From: trop@hls.com (Troy T. Pummill)
Newsgroups: rec.ham-radio
Subject: NASA Select Audio
Message-ID: <9012041909.AA29958@hls.com>
Date: 4 Dec 90 19:09:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Tue Dec 4 20:09:08 1990

Hello again netlanders. Does anyone know of any NASA Select Audio
re-transmission frequencies for the Stockton, CA and Denver, CO
areas.   Any information would be greatly appreciated....

trop (Troy)

```
-----------------------------------------------------------------------------
|  Troy T. Pummill, N6XMV   |  trop@hls.com                                 |
|  Sr. Technical Instructor |  ...uunet!lanslide.hls.com!trop               |
|  Hughes LAN Systems       |  1225 Charleston Rd., Silicon Gulch           |
|  Mountain View, CA  94043 |  The preceding drivel is entirely my own! |
-----------------------------------------------------------------------------
```

Invisible airwaves crackle with life, bright antenna bristles with the energy
Emotional feedback on timeless wavelength, bearing a gift beyond price....
Almost free.   "Spirit of Radio" - Rush

From -3010509377428413170
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b3c28b8b6f8f125
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 15:49:42 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!burdvax!techpubs
From: techpubs@PRC.Unisys.COM (Technical Pub. Vince Short)
Newsgroups: rec.ham-radio
Subject: Re: Space Shuttle orbital data elements
Message-ID: <15851@burdvax.PRC.Unisys.COM>
Date: 4 Dec 90 16:38:48 GMT
References: <9012040147.AA05755@ucsd.edu>
Organization: Unisys Corporation, Paoli Research Center; Paoli, PA
Lines: 23
Posted: Tue Dec 4 17:38:48 1990

In article <9012040147.AA05755@ucsd.edu> RTDIMO%GOR1@LEAV-EMH.ARMY.MIL (Larry Carr) writes:
>could someone post to net the correct Kepelerian data for the two
>shuttle missions in progress? Thanks.

There is one shuttle mission in progress, STS-35, Columbia on the Astro-1/Sarex mission. These orbital elements I copied from WA3NAN last night (a hearty "thank you" to the folks at Goddard Amateur Radio Club for a job well done, as always, in rebroadcasting the shuttle audio and related info) and are element set JSC-13. Note that the check sums at the end of the second and third lines (actually the last digit in both lines) are inaccurate (I didn't bother to calculate them).

```
STS-35
1 00035U          90337.58101852  .00031000  00000-0  22174-3 0   136
2 00035  28.4623 355.6417 0008957 294.4128 292.2524 15.72222896   223
```

Joseph M. Fedock N3IE
Unisys/DS/EISG/VFL
Paoli, PA 19301
(215) 648-2495
techpubs@PRC.Unisys.COM

From -2064135946880149379
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 16:13:08 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpda!hpcuhb!fel
From: fel@hpcuhb.cup.hp.com (Skip La Fetra)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <10510013@hpcuhb.cup.hp.com>
Date: 5 Dec 90 00:13:08 GMT

References: <19@shasta.Stanford.EDU>
Organization: Hewlett Packard, Cupertino
Lines: 9
Posted: Wed Dec 5 01:13:08 1990

I like this proposal -- it matches the naming conventions a bit
better, and (my favorite point) separates the recreational and legal
discussions (I read both, but would prefer not at the same time).

A previous poster suggested using "amateur" rather than "ham", as
it is less colloquial (hows that for the obligatory $10 word?)
-- I agree.

- Skip   AA6WK

From -9187350727162630561
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5,start
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-04 18:09:50 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!mixcom!cyaa01
From: cyaa01@mixcom.UUCP (Chris Klausmeier)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <72@mixcom.UUCP>
Date: 5 Dec 90 02:09:50 GMT
References: <19@shasta.Stanford.EDU>
Reply-To: cyaa01@mixcom.UUCP (Chris Klausmeier)
Followup-To: news.groups
Organization: MIX: Milwaukee Information eXchange (Public access Usenet, Email)
Lines: 20
Xref: gmdzi news.groups:23345 rec.ham-radio:17510
Posted: Wed Dec 5 03:09:50 1990

In article <19@shasta.Stanford.EDU> paulf@shasta.Stanford.EDU (paulf) writes:

/ Jay Maynard and I propose the following reorganization of the rec.ham-radio
/ hierarchy:
/
/ PROPOSED ADDITIONS:
/
/ 1. rec.radio.ham
/
/   "A General newsgroup for discussions about amateur radio."

How about rec.radio.ham.misc? That seems to be the emerging standard for
these leafy hierarchies.

/ -=Paul Flaherty, N9FZX | Without KILL files,
/ ->paulf@shasta.Stanford.EDU | life itself would be impossible.

--
[] Chris Klausmeier -- cyaa01@mixcom.UUCP []
[] if I could wave my magic wand... [][][][]

From 108523361861161241
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e1337d59d6c0538f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 18:43:36 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: vk2sg
Message-ID: <1924@n8emr.UUCP>
Date: 5 Dec 90 02:43:36 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 169
Posted: Wed Dec 5 03:43:36 1990

```
==============================================================
|         Relayed from packet radio via                  |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ ALLBBS $RTDX1130
RTTY DX Notes 1of3 11/30/90

RTTY DX Notes for week ending 30th November 1990
BID: $RTDX1130
Part 1 of 3.

Sorry to say this week has been one of those weeks that started out to be very good with all the DX, but as the week progressed, the DX degraded, and by the end of the week we found it hard to talk to the chap next door. Such is life, you can't win all the time. Oh, one good thing of note is: Happy birthday Jules.

Our thanks this week go to I5FLN and the DX packet cluster, JA1BLV, N2HOS, OD5NG, TG9VT, WB8RJX, VE3XJ, VK2EG, W2JGR and the Tri-State DX Packet Cluster Network. Thank you all for your notes and kind thoughts.

Bandpass:

Friday 24:

P29BT	14085	at	0650Z	Note
EA6PZ	28083	at	1148Z	
UD6DM	14095	at	1409Z	QSL

TA3IIA	28088	at	1515Z	
FF6KNK/P40	14086	at	1520Z	
TF3J	28085	at	1606Z	
V51P	21085	at	2015Z	
5Z4BI	21090	at	2021Z	
3X1SG	21084	at	2235Z	
9X5LJ	14073	at	2115Z	ARQ
OX3EW	14085	at	2351Z	QSL

Saturday 25:

HP1XZP	14068	at	0011Z	ARQ
6Y5EW	14074	at	0654Z	ARQ
9H1ED	14083	at	0710Z	
UL7PCZ	21084	at	0840Z	Note
6W1HF	21097	at	0851Z	
V51P	21087	at	0936Z	
9J2BO	21087	at	0936Z	
UZ3AYR	21091	at	1322Z	
LY1BZB	14091	at	1324Z	
VK9NS	14090	at	1214Z	
ZP6XDW	18102	at	1032Z	ARQ
EA8ASI	21084	at	2004Z	

Continued in part 2.

/EX
SB RTTYDX @ ALLBBS $RTDX1130A
RTTY DX Notes 2of3 11/30/90

RTTY DX Notes for week ending 30th November 1990
BID: $RTDX1130A
Part 2 of 3.

Sunday 26:

J37ZY	14088	at	0044Z	
UV3DR	14092	at	0810Z	
EA9MY	21090	at	0830Z	
5B4VX	28084	at	1203Z	
5H3NL	21086	at	1316Z	
UD6DM	14088	at	1633Z	
9Q5BG	14093	at	1633Z	
CO2CB	14085	at	1648Z	
TY1PS	21074	at	2130Z	ARQ
ZF1GC	14070	at	2310Z	ARQ
J6LSC	14085	at	2334Z	QSL
ZP5AEA	14086	at	2338Z	
EA8ATE	21085	at	2357Z	

Monday 27:

UA1ZH	14091	at	0043Z	

EA8ATE	21088	at	1349Z	
TR8JH	21072	at	2200Z	FEC
J6LSC	14085	at	2351	

Tuesday 28:

YS1JBL	14087	at	0144Z	
HP1ML	14090	at	0331Z	
FK8BG	14068	at	0614Z	ARQ
HI8AX	21084	at	1457Z	
EA6ZP	28082	at	1542Z	
J6LNN	28089	at	1610Z	QSL
EA9MY	28086	at	1634Z	
Z21EZ	14085	at	1838Z	
6W6JX	14090	at	2300Z	

Wednesday 29:

9Y5GC	14084	at	0015Z	
TU2MA	14074	at	0205Z	ARQ
FK8BG	14068	at	0610Z	ARQ
9Q5TE	14085	at	0621Z	
FW1FM	14082	at	0810Z	

Thursday 30:

FK8BK	14074	at	0621Z	ARQ
9X5LJ	14071	at	2135Z	ARQ

QSL Information:

UD6DM requests his cards be sent to Box 222, Baku, 370000 USSR.

J6LSC says to QSL via N9AG.

J6LNN wants his cards sent to KB6ZBI.

OX3EW indicates that KB5LRO is his QSL manager.

Continued in part 3.
/EX
SB RTTYDX @ ALLBBS $RTDX1130B
RTTY DX Notes 3of3 11/30/90

RTTY DX Notes for week ending 30th November 1990
BID: $RTDX1130B
Part 3 of 3.

Notes of Interest:

At the time of preparing these notes, nothing has been heard of the ZS9Z/ZS1 (Penguin Island) RTTY operation.

P29BT states that he will be in P29 for two years.

Kampuchea (Cambodia). The XU1DK operation by JG1RVN is on track for 3rd December. All papers and permissions are in hand. QSL to Liason Office of Coalition Government of Democratic Kampuchea, Box 80, Kotimachi, Tokyo, 102-91. Japan. He will transmit on 088 on all bands and will be listening up.

Kure Island KH7 should be activated by KD7P/NH7 from 12th to 21st December. QSL to Box 8265, MOU3, Guam Dededo, GU 96912-8265 USA.

3W3RR is still hoping for early December for the Spratley operation, but reports that he is still short of cards for his previous operation. Do not panic as he confirms that he will QSL all contacts as soon as he gets more cards from INDEXA.

King George Island. It was reported that SP3FVM was in Spain on 7th November, but a further report indicates that he was heard under a dogpile signing HF0POL on 26th November. His last indicated ETA was January. Who knows whats going on there?

UL7PCZ Alex,(RL8PYL) has reported that he is preparing for a trip to Northern Korea and Afghanistan in 1991. Keep your fingers crossed. Alex reports that the latter part of the trip will be the most dangerous. He would like some financial assistance as well.

GL DE DX1.

Written by VK2SG. Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA.
Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.
/EX

From -4025359313051283068
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 19:03:51 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!unixhub!shelby!paulf@shasta.Stanford.EDU
From: paulf@shasta.Stanford.EDU (paulf)
Newsgroups: rec.ham-radio
Subject: Re: Internet-Packet Reply (LONG!)
Message-ID: <20@shasta.Stanford.EDU>
Date: 5 Dec 90 03:03:51 GMT
References: <602.27528414@w8grt.fidonet.org> <368@ultrix.uhasun.hartford.edu> <1838@overlf.UUCP>
Organization: The Three Packeteers
Lines: 20
Posted: Wed Dec 5 04:03:51 1990

In article <368@ultrix.uhasun.hartford.edu>, jbloom@uhasun.hartford.edu (Jon Bloom) writes:

> If people decide en masse that "it's better to beg forgiveness than
> to ask permission," and they start installing Internet<->packet
> gateways willy nilly, I predict that the eventual result will be a
> tightening of the rules to prohibit third-party digital connections
> generally. No one wants that.

Hogwash. The FCC tends to abide more by "Good Amateur Practice" than anything else, and it is the populus that decides exactly what is "Good Amateur Practice". The ARRL has always espoused similarly paranoid paternalism when dealing with autopatches, despite the enormous changes in the telecommunications industry during the last decade. The net result has been informal FCC policy which is more restrictive than the written law.

Those who refuse to forsake life in the defense of liberty deserve neither.
Or something like that.

-=Paul Flaherty, N9FZX | Without KILL files,
->paulf@shasta.Stanford.EDU | life itself would be impossible.

From 6331776558148221100
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c4a8cd3b0a24972,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,9c4a8cd3b0a24972,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-04 19:37:19 PST
Path: gmdzi!unido!mcsun!uunet!samsung!think.com!linus!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Powerline voltage too high, power co working on it
Keywords: 128V!
Message-ID: <114172@philabs.Philips.Com>
Date: 5 Dec 90 03:37:19 GMT
Sender: news@philabs.Philips.Com
Lines: 47
Xref: gmdzi rec.ham-radio:17471 sci.electronics:10002
Posted: Wed Dec 5 04:37:19 1990

I've had a little adventure with the powerline voltage at my parent's house. About 6 weeks ago, I was at my parents', and for some reason, I measured the powerline. (Now I remember, an old powerline volt monitor meter I had in the hamshack room seemed to be reading high. Must be broken, get out a good digital meter to check the voltage. Oh, 128V! That meter is not broken. tried another digital meter, got the same thing.) Told my father, who is also a ham.
Called the power company (your standard generic "Public Service Electric and Gas"). "No don't want to talk to billing Dept. Ah, guess I want the line to "downed wires, and other such". Talking to phone answering person: "I think my power voltage is too high." "What's too high?" "The voltage, it's a few volts too high" "Duh, well, we'll send some guys out to check out the, ah, what did you call it?" "the voltage in my house".

About a week later, a power company person with a Fluke multimeter visits, and takes the circuit breaker panel off and measures the lines. "yes, you're right, it is too high. What kind of meter did you use? That's just like the ones we use. Must be some bad capacitors on our distribution net. Have to check out the substation." Somehow, the guy broke one of the circuit breakers in the panel. Company says that they'll pay for a replacement.
Guy leaves, a few hours later, calls. "try measuring the voltage" "Still too high, 127V." "Found some bad caps, must be more bad ones. This is gonna take us a while to get this figured out"
About 4 weeks later, two guys from the power company pay a visit. They go to their kilowatt-hour meter in the basement. "We are gonna take the cover off the meter box and measure the voltage from the street. gotta break this old porcelain seal". So, they break their power security seal, the one they use to keep you from cheating on the electric bill. They measure the voltage, 128V. "We're gonna try a house across the street". Did that, same reading. "gonna check the stuff on the distribution net some more, looks like a tough one to fix." "Don't you have to replace your seal?" "Naw. We'll be back in a few days to take another measurement, takes too long to seal it just to remove it again. we trust that you're not gonna steal power". Next day, one of them returns, takes another measurement, still too high. "I'm gonna have your local pole transformer re-tapped to reduce your line. I removed some caps off the net, but I can't take too many off, or else the other end of town will have too low voltage. We like to set the voltage at 120V at houses." He puts a new seal on the meter in the basement. My father said that he haden't seen the insides of the meter box since 40 years ago, when the house was built.

Guess I made the power company guys spend a few weeks work on this.
It's not over, yet. About a year ago, I smelled gas next to a mailbox on the streetcorner. Told the gas company, and saw them drilling holes in the ground throughout the neighborhood for weeks looking for the leak.

I suppose all the neighbors are wondering why their light bulbs don't seem to last as long as they used to. :-

From 4858781478274004828
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab1edb8a93df3ef5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 20:39:43 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1925@n8emr.UUCP>
Date: 5 Dec 90 04:39:43 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 19
Posted: Wed Dec 5 05:39:43 1990

From n8emr!WB8KWC Mon Dec 3 13:34:52 1990

Return-Path: <n8emr!WB8KWC>
Message-Id: <m0igJsU-0000hMC@n8emr.uucp>
[Date: Mon, 3 Dec 90 12:24 EST
[To: <ALL@ARRL>
R:901203/1624z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:14150 Z:43232
R:901203/1457 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:56905 Z:43103
R:901202/2321 @:WB8JIB.#DAY.OH.USA.NA Yellow Springs #:11820 Z:45387

SPECIAL BULLETIN 15 ARLX015
FROM ARRL HEADQUARTERS
NEWINGTON CT DECEMBER 2, 1990
TO ALL RADIO AMATEURS

THE LAUNCH OF RM-1/RUDAK-2, AKA AO-21, HAS DELAYED UNTIL JANUARY 7, 1991. STAY TUNED TO W1AW, AMSAT NETS AND NEWS SERVICE BULLETINS FOR UPDATES ON THIS LAUNCH.

THANKS TO AMSAT ANS FOR THIS STORY.

From -8524301877316806487
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab1edb8a93df3ef5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 20:39:56 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1926@n8emr.UUCP>
Date: 5 Dec 90 04:39:56 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 37
Posted: Wed Dec 5 05:39:56 1990

Return-Path: <n8emr!WB8KWC>
Message-Id: <m0igJoi-0000guC@n8emr.uucp>
[Date: Mon, 3 Dec 90 12:24 EST
[To: <ALL@ARRL>
R:901203/1625z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:14152 Z:43232
R:901203/1502 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:56908 Z:43103
R:901202/2324 @:WB8JIB.#DAY.OH.USA.NA Yellow Springs #:11822 Z:45387

SPECIAL BULLETIN 17 ARLX017
FROM ARRL HEADQUARTERS
NEWINGTON CT DECEMBER 2, 1990
TO ALL RADIO AMATEURS

THE JOHNSON SPACE FLIGHT CENTER AMATEUR RADIO CLUB HAS RELEASED THE FOLLOWING PRELIMINARY KEPLERIAN ELEMENT SET FOR STS-35/SAREX. THE ELEMENT SET EPOCH TIME AND RAAN HAVE BEEN MODIFIED BY N5BF FOR THE SUCCESSFUL COLUMBIA LIFT-OFF TIME 0649 UTC ON DECEMBER 2. SINCE

LIFT-OFF WAS 21 MINUTES AFTER THE SCHEDULED TIME, MOST EVENTS DURING THE MISSION WILL PROBABLY OCCUR 21 MINUTES LATE.

```
SATELLITE, STS-35
  CATALOG NUMBER, TBD
  EPOCH TIME,      90336.3361111
  ELEMENT SET,     JSC-0006-A
  INCLINATION,       28.4690 DEG
  RA OF NODE,         4.5587 DEG
  ECCENTRICITY,    0.0005720
  ARG OF PERIGEE,   246.6067 DEG
  MEAN ANOMALY,     119.6564 DEG
  MEAN MOTION,   15.71792660 REV/DAY
  DECAY RATE,       3.10E-04 REV/DAY SQ
  EPOCH REV,               1
```

MONITOR NASA AFFILIATED RADIO CLUBS WA3NAN, W5RRR, AND W6VIO, AS WELL AS W1AW, FOR UPDATED STS-35 ELEMENT SETS.

THANKS TO W5RRR FOR THE KEPLERIAN DATA.

From 2550965544657448659
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab1edb8a93df3ef5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 20:40:20 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1927@n8emr.UUCP>
Date: 5 Dec 90 04:40:20 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 29
Posted: Wed Dec 5 05:40:20 1990

Return-Path: <n8emr!WB8KWC>
Message-Id: <m0igJqc-0000fqC@n8emr.uucp>
[Date: Mon, 3 Dec 90 12:24 EST
[To: <ALL@ARRL>
R:901203/1625z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:14151 Z:43232
R:901203/1459 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:56907 Z:43103
R:901202/2322 @:WB8JIB.#DAY.OH.USA.NA Yellow Springs #:11821 Z:45387

SPECIAL BULLETIN 16 ARLX016
FROM ARRL HEADQUARTERS
NEWINGTON CT DECEMBER 2, 1990
TO ALL RADIO AMATEURS

NASA AFFILATED RADIO CLUBS AND ARRL TO PROVIDE STS-35/SAREX NEWS.

THE FOLLOWING WILL PROVIDE PERTINENT INFORMATION ON THE PROGRESS OF
STS-35 AND SAREX. W1AW WILL PROVIDE SAREX MISSION UPDATES DURING
ITS DAILY BULLETIN SCHEDULE.

LISTEN FOR WA3NAN ON 3860, 7185, 14295, 21395 AND 28650 KHZ, AND
147.450 MHZ.

LISTEN FOR W5RRR ON 3850, 7227, 14280, 21350 AND 28495 KHZ, AND
146.640 MHZ.

LISTEN FOR W6VIO ON 3840, 14270, AND 21340 KHZ, AND 145.460 AND
224.040 MHZ.

THANKS TO AMSAT ANS FOR THEIR BULLETIN STATION INFORMATION.

From -5187774435083700843
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6d791d7917a1c31d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 21:50:22 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!voder!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: The Hate Herbie Net
Keywords: 20 meter mess
Message-ID: <1990Dec5.055022.20295@informix.com>
Date: 5 Dec 90 05:50:22 GMT
References: <1990Dec1.064203.3875@lopez.UUCP> <1990Dec3.174656.27983@dcdwest.uucp>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 23
Posted: Wed Dec 5 06:50:22 1990

In article <1990Dec3.174656.27983@dcdwest.uucp> plb@dcdwest.uucp (Phil Blais)
writes:
>In article <1990Dec1.064203.3875@lopez.UUCP> flash@lopez.UUCP (Gary Bourgois)
writes:
>>
>>The 20 meter mess has taken a new turn. Herb KV4FZ and his BARF group ...
>
>Assuming there is an after life (aka heaven/hell) and assuming St. Peter
>was/is a ham, maybe these clowns will someday reap their just rewards.
>I envision an isolated island somewhere with only 2 mtr lo power single
>channel HT's (no repeaters or beams allowed), throw in K1MAN and his
>constant dribble and let them have at it. Forever is a long time :-)

How about this for a "ham hell": put Herbie and Co. in large, steel-frame
apartment building, where every other resident has TV sets with indoor
antennas. Restrict them to 160 meters QRP only. And put them in a 10X10
room on the second floor. Of course, no antennas are allowed outdoors.
Oh yes, and every apartment has a dimmer switch.

--

=-=
Randall Rhea   Informix Software, Inc.
Senior Programmer/Analyst, MIS   uunet!pyramid!infmx!randall

From 1095545171159235919
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f08309c7ff227d07
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 22:12:12 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!apple!julius.cs.uiuc.edu!rpi!luigi
From: luigi@aix02.aix.rpi.edu (John L Luigi Giasi)
Newsgroups: rec.ham-radio
Subject: Re: Latest Callsigns?
Message-ID: <N#A^?7+@rpi.edu>
Date: 5 Dec 90 06:12:12 GMT
References: <4630021@hpspkla.spk.hp.com>
Organization: Rensselaer Polytechnic Institute, Troy NY
Lines: 16
Posted: Wed Dec 5 07:12:12 1990
Nntp-Posting-Host: aix02.aix.rpi.edu

In article <4630021@hpspkla.spk.hp.com> andersen@hpspkla.spk.hp.com (Brad E. Andersen) writes:
>Would it be possible to get the latest callsign assignments?
>I'm, of course, curious since I'm waiting for my first one!
>   Brad Andersen
>   andersen@hp-lsd!hpspkla
Brad, and for any one else out there who would like to know.
You may call the FCC at their information line :(717)337-1212
nd ask them for the most recently issued callisgns for your call call district
for each of the 4 classes (Novice is class D) well, except for the 4 and 6
districts which only have 3 classes remaining (all the class A calls used up);
Boy my editing stinks.

Luigi Giasi, luigi@mts.rpi.edu, luigi@pawl.rpi.edu, luigi.aix.rpi.edu
KA1UTU@WA@UMX, KA!UTU@W2SZ
President, W2SZ Rpi Arc, Troy, NY 12180
--... ...-- -.. . -.- .- .---- ..- - ..-

From -7806481671309813026
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 22:43:18 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)

Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <24175@ucsd.Edu>
Date: 5 Dec 90 06:43:18 GMT
References: <19@shasta.Stanford.EDU> <iXmoT3w163w@phoenix.com>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 11
Posted: Wed Dec 5 07:43:18 1990

In article <iXmoT3w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
>   It seems the only effect of this reorganization is the addition of
>rec.ham-radio.legal, other than the name changing.
>   Why is this a Good Thing? Why not just add rec.ham-radio.legal and
>leave the rest of the structure alone? Is it not simpler (and prone to
>fewer screwups) to do this instead of renaming everything?

Because they're young and haven't yet learned that no matter what you do
to the net, disorder increases. There is no way to reverse entropy.

But let them try. It won't hurt for long. Won't help either.

From 7816410925994572696
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f08309c7ff227d07
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 22:46:04 PST
Path: gmdzi!unido!mcsun!uunet!know!sdd.hp.com!zaphod.mps.ohio-state.edu!rpi!luigi
From: luigi@aix02.aix.rpi.edu (John L Luigi Giasi)
Newsgroups: rec.ham-radio
Subject: Re: Latest Callsigns?
Message-ID: <`$A^V!|@rpi.edu>
Date: 5 Dec 90 06:46:04 GMT
References: <4630021@hpspkla.spk.hp.com> <N#A^?7+@rpi.edu>
Organization: Rensselaer Polytechnic Institute, Troy NY
Lines: 30
Posted: Wed Dec 5 07:46:04 1990
Nntp-Posting-Host: aix02.aix.rpi.edu

h yes, I forgot to mention. The FCC only tabulates the data on the first of every
month. Usually they have the info available around the 5th of the month.
Remember, they process applications (or at least release them) on a weekly or
semi-weekly basis (depending on class of liscence) and each of those batches
are assigned callsigns in alphabetical order by last name. So guestimation
example: KJ2AAA at the end of October - KJ2ADZ at the end of November. Now
November 1990 had (your a Novice, right?) four TUESDAYS in it. So we will
assume (big assume) that the calls were assigned in four equal batches of 26.
Lets pretend that your test date was around October 15, meaning 5 weeks later
(figuring it takes about 6 weeks to get a liscence around x-mas, though any
number from 2 to 7 weeks is feasable for our 'FCC process date guess')
This says that Brian's 610 was processed by our example FCC on Nov 20
(just in time for the FCC employees to go home for Thanksgiving!)
putting him in the KJ2ACA-KJ2ACZ group. Brians last name is Andersen so we

could guess that he will be first or second (or even third) yielding a call
of KJ2ACA,B, or C. Of course much of this is VERY guess related and being
honest with the net here, I have had little luck forcasting Novice callisgns
(especially since many Novices are tested outside of the VE system)
now advanced calls I can get within 2 or 3 letters (well 75% of the time - 9/
out of 12) The extras have the problem of hams waiting around for "the call"
to sail along and then sending a 610 direct to Gettysburg (3-4 wekk turnaround)
for just a callsign change. Then there are all the different VEC (mostly areas
outside of my neck of the woods 1 and 2-land) which have all sorts of different
timing schemes that I have little knowledge of....
If anybody would like more info, e-mail me and I'll send you some more detailed
info on timeing your callsign. But then again, I'm sticking with the call they
gave me before I had a choice!

Luigi Giasi, luigi@mts.rpi.edu, luigi@pawl.rpi.edu, luigi.aix.rpi.edu
KA1UTU@WA2UMX, KA1UTU@W2SZ
President, W2SZ Rpi Arc, Troy, NY 12180
--... ...-- -.. . -.- .- .---- ..- - ..-

From 7512867322215089610
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f020d498c728d019
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 22:47:05 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: SOLD!!
Message-ID: <24177@ucsd.Edu>
Date: 5 Dec 90 06:47:05 GMT
References: <1990Dec3.222311.8448@csusac.csus.edu> <1250287@hpnmdla.HP.COM>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 12
Posted: Wed Dec 5 07:47:05 1990

In article <1250287@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>(quoting)
>   >The above equipment has been sold!!!
>   >It sold in less than 12 hours from Posting
>
>Any reason this shouldn't have only appeared in rec.ham-radio.swap?

Ignorance. Count the number of exclamation points at the end of the
poster's sentence you quoted. Anyone who puts more than one
exclamation point at the end of a sentence isn't worth bothering
about.
     - Brian

From 4766811595520704344
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e90a1cb573f635e,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-05 00:28:23 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: MAJOR SOLAR FLARE ALERT
Message-ID: <901205012823.22601327@HG.ULeth.CA>
Date: 5 Dec 90 08:28:23 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 89
Posted: Wed Dec 5 09:28:23 1990

-- MAJOR SOLAR FLARE ALERT --

DECEMBER 04, 1990

Potential Impact Forecast
Flare Event Summary

MAJOR ENERGETIC EVENT SUMMARY

Region 6397 (N09E45) has been throwing some unexpected surprises at us lately. It has been abnormally active considering the relatively weak magnetic gradients which have been observed in the region. At 02:03 UT on 04 December, Region 6397 spawned an M6.6/1F major flare at a solar position of N08E56. This event was accompanied by a 310 s.f.u. Tenflare. There were no significant radio bursts or shock-related frequency sweeps observed from this event. The flare duration was a respectable 39 minutes. This flare produced a moderate intensity SID/SWF at 01:57 UT on 04 December, which ended at approximately 02:36 UT. Frequencies up to about 17 MHz were noticably absorbed during this period over sunlit portions of the earth. This flare was associated with minor VHF enhancements.

Considering the lack of complexity in this group, it is almost surprising it managed to spawn such an energetic x-ray flare. The region is more active than it apparently should be, by observing the data which has been collected on the region thus far. It has not grown significantly over the past 24 hours, nor has its magnetic gradients changed much. It is therefore, difficult to predict what this region may do next.

Aside from the major M6.6/1F Tenflare which occurred early on the 4th, Region 6397 also managed to produce a class M1.8/1B flare at 14:39 UT on 04 December. This flare, located at N08E51, lasted for 38 minutes and was not accompanied by any significant radio emissions.

If Region 6397 continues to behave as it has over the past several days, it could conceivably erupt with another major flare. The Space Environment

Services Center expects this region to continue to produce M-class flare activity with a slight risk of another major flare over the next 3 to 5 days, depending on whether it detensifies or not.

Flare probabilities for the next 72 hours (ending 07 December) follow:

Flare	Probability		
Type	24hr	48hr	72hr
Class M Flare	60%	60%	60%
Class X Flare	20%	20%	20%
Proton Flare	05%	05%	10%

Flare activity will likely remain elevated for the remainder of this week due to Region 6397's level of activity. The return of old Region 6368 on 11 or 12 December may increase the risk for M-class flaring even further. By that time, Region 6397 will be approximately half-way to the western limb. However, it is distinctly possible that Region 6368 has stabilized now (or even died on the far side of the sun). We won't know until 11 or 12 December.

POTENTIAL TERRESTRIAL IMPACT FORECAST

The major flare of 04 December is not expected to have a terrestrial impact. Its lack of association with shock-related frequency sweeps and small-size (in addition to the rather poor trajectory for any mass ejections) seem to indicate that the risk for a terrestrial impact from this event is small. It will, however, require close monitoring as it nears the solar meridian. If it grows or increases in magnetic complexity, the risk for PCA and proton activity will increase, particularly as it crosses over to the western solar hemisphere (which it will do in about 4 days - by 08 December).

There is a strong risk for potentially frequent SID and SWF activity over the next 3 to 5 days (at least). M-class flare activity should provide approximately 1 to 2 potential SID/SWF-capable flares per day. SID durations could exceed 50 minutes. SWF affected frequencies could exceed 15 MHz on the sunlit hemisphere of the earth. There is likewise, a moderate probability for associated VHF enhancements from some of the minor and/or potential major flare activity over the next several days at least.

Geomagnetic activity is not expected to increase as a result of the recent major flare. However, a well positioned coronal hole will likely begin affecting geomagnetic and auroral activity over the next 2 to 3 days (05 to 07 December). Radio propagation conditions may deteriorate over middle and high latitudes during this period. Low latitudes are not expected to be seriously affected. Effects from this coronal hole should diminish by 07 or 08 December.

** End of Report **

From 7559423182634036689

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-05 01:11:04 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!pacbell.com!ames!eos!shelby!paulf@shasta.Stanford.EDU
From: paulf@shasta.Stanford.EDU (paulf)
Newsgroups: news.groups,rec.ham-radio
Subject: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <19@shasta.Stanford.EDU>
Date: 4 Dec 90 17:26:04 GMT
Organization: The Three Packeteers
Lines: 41
Xref: gmdzi news.groups:23265 rec.ham-radio:17431
Posted: Tue Dec 4 18:26:04 1990

Jay Maynard and I propose the following reorganization of the rec.ham-radio hierarchy:

PROPOSED ADDITIONS:

1. rec.radio.ham

"A General newsgroup for discussions about amateur radio."

2. rec.radio.ham.legal

"A newsgroup for the discussion of legal aspects of amateur radio."

3. rec.radio.ham.packet

"A newsgroup for discussions about amateur packet radio."

4. rec.radio.ham.swap

"A forsale group for the rec.radio.ham hierarchy."

PROPOSED DELETIONS:

1. rec.ham-radio

Now superseded by rec.radio.ham and rec.radio.ham.legal.

2. rec.ham-radio.packet

Superseded by rec.radio.ham.packet

3. rec.ham-radio.swap

Replaced by rec.radio.ham.swap

Commentary Period: Dec. 4 -14, 1990

-=Paul Flaherty, N9FZX | Without KILL files,
->paulf@shasta.Stanford.EDU | life itself would be impossible.

From 4204454380935873919
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b33768455025e352
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-05 02:01:58 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Alinco 2M/440 Xcvr with DTMF control
Message-ID: <1650@ke4zv.UUCP>
Date: 4 Dec 90 16:20:26 GMT
References: <27080030@col.hp.com> <2477@dover.sps.mot.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 22
Posted: Tue Dec 4 17:20:26 1990

In article <2477@dover.sps.mot.com> waters@darla.sps.mot.com (Strawberry Jammer) writes:

>
>A couple of other problems though: (1) to enable cross-band repeat you must
>cut a wire that inhibits out of band operation. BOTH TX and RX! THat could
>be a real problem with remote operation. (2) THere is no easy way to have a
>"one way repeat" i.e. UHF-to-VHF only. THe reverse (VHF-UHF) will then
>block out your remote if you key up a repeater with a "tail". I excpect to
>use the PL option for this though (another $45 option :-( ).

I have the Alinco 570T and it doesn't require any modifications to cross band repeat. There's a switch on top labeled "radio repeat". Just put it in repeat and you're in business. The easiest way to handle "one way repeat" is to use the odd split option and program memory nine for an out of band frequency. It will refuse to transmit there. I use a FT470 and can monitor the repeater while accessing it via the "one way repeat" of the Alinco. It's like having a 45 watt HT. CTCSS encode and decode are standard equipment on the 570T. If you haven't bought a 590 yet, take a hard look at the 570 first. It's cheaper and does what most folks want right out of the box. If you don't really *need* remote touchtone control, it's a real win.

Gary KE4ZV

From 8356535941786340453
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,7382706b70114ff1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-05 02:02:02 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Un-Net, Packet Question
Message-ID: <1651@ke4zv.UUCP>
Date: 4 Dec 90 16:47:20 GMT
References: <9012031322.AA28474@LL.MIT.EDU>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 32
Posted: Tue Dec 4 17:47:20 1990

In article <9012031322.AA28474@LL.MIT.EDU> JORDAN@LL.MIT.EDU ("Mike Jordan G4ASQ/KC1RP") writes:
>
>I have a question about packet. If I intend to run TCP/IP, and use Phil
>Karn's NET-PC package, it seems that I will end up putting the TNC into
>'dumb mode' and basically using it as a modem. I haven't bought a tnc
>yet, and it seems I don't really need one. Am I right in thinking that
>all I have to do is build a modem that turns 2 tones into high & low
>levels on an RS232 line, and connect it to the PC? (levels to tones
>for transmitting).   Why should anyone spend hundreds of $$ on a tnc
>when the PC can do the work, assuming you already have one.

The KISS TNC is more than a dumb modem. It does channel access control, monitoring for a clear channel before keying up. It controls txdelay and tail timers essential for packet over radio. It implements a P-persistence backoff algorythim to avoid congestive colapse of the channel. It buffers packets in onboard memory. It implements a framing protocol on the serial link. It does the HDLC framing and bit stuffing and NRZ to NRZI conversion needed to implement packets. And it needn't cost "hundreds" of dollars. Most TNC2 clones are in the $105 to $130 price range. The "hundred" dollar range.

Channel access control is vital to the health of packet channels and it's a real CPU cycle waster. You don't want to have to do this in your PC.
To do HDLC you'll need special hardware in your PC because you definitely don't want to bit bang this in software, your standard serial port doesn't know how. That special hardware is an 8530 card that's going to cost $130. Which PC timer are you going to steal to do the txdelay and tail timers? What random number generator hardware are you going to use to implement P-persistence? Unless you just want to attempt it for the challenge, don't try packet with a dumb modem. It won't save you money.

Gary KE4ZV

From 4751179055347977686
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,3d9b468fadcc6321
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-05 03:30:54 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!srhqla!denwa!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: Gender-neutral proword.
Message-ID: <281@bongo.UUCP>
Date: 4 Dec 90 17:53:57 GMT
References: <03.Dec.90.12:02:53.GMT.#8635@UK.AC.NWL.IA>
Reply-To: julian@bongo.info.com (Julian Macassey)
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 21
Posted: Tue Dec 4 18:53:57 1990
Summary:
Expires:
Sender:
Followup-To:

In article <03.Dec.90.12:02:53.GMT.#8635@UK.AC.NWL.IA> PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon") writes:
>I must admit to, on occasions, having used 'Old Thing' as a suitably
>non-specific term.
>(but CWers would abbreviate this to OT, which has ageist implications!)
>

Of interest to some is the fact that Old Fart is somewhat unisex which can not be said of Geezer. But then Old Fart also tends to infer a certain mindset.

Of course here in Greater Disneyland wimin often refer to each other as "guys". It is not uncommon to see a Valley Girl walk into a bar and great her assembled soulmates with "Hi you guys!". Not a testosterone producer amongst them.

This of of course points out that the gender of forms of address is not really that important.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From 1386436275746356604
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0cab89724683f8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,c0cab89724683f8
X-Google-Attributes: gidf5cc0,public
X-Google-Thread: fddbf,c0cab89724683f8
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-05 03:31:22 PST

```
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!
utzoo!henry
From: henry@zoo.toronto.edu (Henry Spencer)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.space
Subject: Re: * SpaceNews 03-Dec-90 *
Message-ID: <1990Dec4.183721.6956@zoo.toronto.edu>
Date: 4 Dec 90 18:37:21 GMT
References: <378@ka2qhd.UUCP> <1990Dec3.183522.25647@qualcomm.com>
Organization: U of Toronto Zoology
Lines: 13
Xref: gmdzi rec.ham-radio:17435 rec.ham-radio.packet:3146 sci.space:17977
Posted: Tue Dec  4 19:37:21 1990

In article <1990Dec3.183522.25647@qualcomm.com> antonio@drzeus.qualcomm.com
(Franklin Antonio) writes:
>So, the basic work was done 371 years ago!  This is one of the humbling things
>about celestial mechanics...

Kepler is not the really humbling example in celestial mechanics.  That
honor goes to Isaac Newton, not much later.  After deducing that gravity
followed an inverse square law, he explored the consequences of that
(including deriving Kepler's Laws) so thoroughly that the greatest
mathematicians of the next two centuries basically just added footnotes
to his work.
--
"The average pointer, statistically,    |Henry Spencer at U of Toronto Zoology
points somewhere in X." -Hugh Redelmeier| henry@zoo.toronto.edu   utzoo!henry


From 6957743980861620237
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-05 03:44:01 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio,news.groups
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <4425@lib.tmc.edu>
Date: 5 Dec 90 11:44:01 GMT
References: <19@shasta.Stanford.EDU> <iXmoT3w163w@phoenix.com>
Sender: usenet@lib.tmc.edu
Followup-To: news.groups
Organization: University of Texas Medical School at Houston
Lines: 23
Xref: gmdzi rec.ham-radio:17485 news.groups:23316
Posted: Wed Dec  5 12:44:01 1990
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <iXmoT3w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
>paulf@shasta.Stanford.EDU (paulf) writes:
```

>> Jay Maynard and I propose the following reorganization of the rec.ham-radio
>> hierarchy:
> <<General re-naming of rec.ham-radio and adding .legal deleted.>>
>   It seems the only effect of this reorganization is the addition of
>rec.ham-radio.legal, other than the name changing.
>   Why is this a Good Thing? Why not just add rec.ham-radio.legal and
>leave the rest of the structure alone? Is it not simpler (and prone to
>fewer screwups) to do this instead of renaming everything?

The idea behind this is to move the ham radio groups into the same hierarchy as the other radio groups. The hierarchy rec.radio was created a couple of years ago to hold rec.radio.shortwave, and has acquired other radio-related groups since then; it's the logical place for ham radio, too.

(Side note: Please make sure that discussion is posted to news.groups as well as rec.ham-radio. This is required by the Guidelines for Newsgroup Creation.)

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
  "...flames are a specific art form of Usenet..." -- Gregory C. Woodbury

From 4194217449589031948
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5f18cdd5bf1396ec,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,5f18cdd5bf1396ec,start
X-Google-Attributes: gidf5cc0,public
X-Google-Thread: 10a148,5f18cdd5bf1396ec,start
X-Google-Attributes: gid10a148,public
X-Google-ArrivalTime: 1990-12-05 04:06:24 PST
Path: gmdzi!unido!mcsun!uunet!censun1!lescsse!gamorris
From: gamorris@lescsse.uucp (Gary A. Morris)
Newsgroups: rec.ham-radio,sci.space.shuttle,sci.space
Subject: STS-35 SAREX Status
Keywords: SAREX, STS-35, Keplerian, Schedule
Message-ID: <1990Dec4.172141.1347@lescsse.uucp>
Date: 4 Dec 90 17:21:41 GMT
Followup-To: rec.ham-radio
Organization: Lockheed Engineering and Sciences
Lines: 90
Xref: gmdzi rec.ham-radio:17436 sci.space.shuttle:5173 sci.space:17980
Posted: Tue Dec 4 18:21:41 1990

Houston 4 Dec 90 - 17:00 UTC

There have been some success and some problems with SAREX (Shuttle Amateur Radio EXperiment) on STS-35. On the first inflight test of the bridge system (2 Dec 90 0316 UTC) we were unable to make any contact with Ron. We have confirmed that he had a weak voice contact sometime before the bridge test time with a station in Florida.

On the second bridge schedule, which was to be a realtime connection between Ron, WA4SIR, and a classroom of children on school, we were unable to establish two way contact with Ron during the pass over Sao Paulo, Brazil. We did hear him for about 10 seconds of the 10 minute pass but couldn't establish conact. The most likely cause of the weak signal is the orbiter attitude during the contact. The SAREX antenna is in the right side window on the flight deck and at the time of the Sao Paulo pass the orbiter was tail down. The orbiter attitude is determined by needs of the primary payload.

A second bridge system test was scheduled for a pass over Australia but Ron was unavailable at the time of the pass (4 Dec 90 0205 UTC) and no contact was made. Ron was also asked to attempt direct contact with W5RRR on orbit 30. This contact was successful, Roy Neil talk to Ron for about 7 minutes as he passed south of Houston. Ron said that he had heard us full quieting on the pass over Sao Paulo but we couldn't hear him. The orbiter attitude was good for this pass which confirms that the orbiter attitude is important. This pass had only a 6 degree maximum elevation in Houston, we believe elevation and range are not significant factors in making a contact with the shuttle.

The amateur radio voice contact with the Mir space station is uncertain at this time. The first close conjunction (53 km) with Mir was to occur today (4 Dec 90) but the Mir crew is unavailable for radio contact due to the docking with the Soyuz and arrival of the new crew. The next close conjunction (57 km) is about 4 hours after the SAREX stow time on Dec 11. This contact can only take place if mission controllers approve delaying the stow of SAREX and the mission is extended the extra day. Vance Brand has been brushing up his Russian language skills which he learned for the Apollo-Soyuz mission.

The packet robot has been operating on schedule (included below). As of this morning (4 Dec 90 1600 UTC) over 400 contacts have been made with amateur radio operators using packet. If you experience weak signals on the downlink, it is likely that the orbiter is in an unfavorable attitude for you. It can improve or degrade as the orbiter passes depending on which side of the orbiter is facing you. The attitude is constantly being changed to support the telescopes, so if you experience weak signals, try again on later orbits.

Packet Robot Operating Schedule

03 Dec 90 03:19 - 16:19 UTC
04 Dec 90 03:19 - 15:44 UTC
05 Dec 90 03:19 - 15:34 UTC
06 Dec 90 03:19 - 15:49 UTC
07 Dec 90 03:19 - 15:34 UTC
08 Dec 90 03:19 - 15:44 UTC
09 Dec 90 03:19 - 15:34 UTC
10 Dec 90 03:18 - 15:04 UTC
11 Dec 90 02:49 - 14:34 UTC (only if mission is extended one extra day)

The element set (below) is from JSC based on orbiter state vector, the

NORAD data is different by about 7 seconds on equator crossing times. The JSC 2 line set has 00035 for the object number, whereas the NORAD set has 20980. If you had set JSC-012, there is really no need to update to this one, the difference is small (about 10 seconds).

Keplerian Element Set

```
STS-35
1 00035U          90337.58101852  .00031000  00000-0  22174-3 0   130
2 00035  28.4623 355.6417 0008957 294.4128 292.2542 15.72222895   229
```

```
Satellite: STS-35
Epoch time:      90337.58101852          (03 Dec 90 13:56:40.000 UTC)
Element set:     JSC-013
Inclination:       28.4623 deg          Space Shuttle Flight STS-35
RA of node:       355.6417 deg              Keplerian Elements
Eccentricity:     .0008957              from NASA Tracking Ephemeris
Arg of perigee:   294.4128 deg
Mean anomaly:     292.2542 deg                    W5RRR
Mean motion:   15.72222896 rev/day       NASA Johnson Space Center
Decay rate:       3.10E-04 rev/day^2
Epoch rev:              22
```

```
--
Gary Morris                     Internet: lobster!lescsse!gamorris@menudo.uh.edu
Lockheed (LESC), A22            UUCP:     lobster!lescsse!gamorris
Space Station Freedom           NASAmail: gmorris/jsc/nasa
Houston, Texas                  Internet: gmorris@nasamail.nasa.gov
```

From 498728090043721615
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0cab89724683f8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,c0cab89724683f8
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f5cc0,c0cab89724683f8
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-12-05 05:27:43 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!batcomputer!newman
From: newman@batcomputer.tn.cornell.edu (Bill Newman)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.space
Subject: Re: * SpaceNews 03-Dec-90 *
Message-ID: <1990Dec5.132743.15342@batcomputer.tn.cornell.edu>
Date: 5 Dec 90 13:27:43 GMT
References: <378@ka2qhd.UUCP> <1990Dec3.183522.25647@qualcomm.com>
<1990Dec4.183721.6956@zoo.toronto.edu>
Organization: Cornell Theory Center
Lines: 21
Xref: gmdzi rec.ham-radio:17487 rec.ham-radio.packet:3154 sci.space:18043
Posted: Wed Dec 5 14:27:43 1990

In article <1990Dec4.183721.6956@zoo.toronto.edu> henry@zoo.toronto.edu (Henry Spencer) writes:
>In article <1990Dec3.183522.25647@qualcomm.com> antonio@drzeus.qualcomm.com (Franklin Antonio) writes:
>>So, the basic work was done 371 years ago! This is one of the humbling things
>>about celestial mechanics...
>
>Kepler is not the really humbling example in celestial mechanics. That
>honor goes to Isaac Newton, not much later. After deducing that gravity
>followed an inverse square law, he explored the consequences of that
>(including deriving Kepler's Laws) so thoroughly that the greatest
>mathematicians of the next two centuries basically just added footnotes
>to his work.

Newton certainly killed the 2-body gravitational problem, but many
aspects of the many-body problem were better understood 200 years
after his death than at his death. In particular, while it took
more than 200 years to come up with the modern theory of stability,
200 years of perturbation theory revealed enough to make it plausible that
the solar system could be stable for billions of years
without invoking the hand of God to fix things up.

  Bill Newman

From 8831199653947389405
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6d791d7917a1c31d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-05 06:21:32 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!uokmax!skaggs
From: skaggs@nsslsun.gcn.uoknor.edu (Gary Skaggs)
Newsgroups: rec.ham-radio
Subject: Re: The Hate Herbie Net
Keywords: 20 meter mess
Message-ID: <1990Dec5.142132.23600@uokmax.ecn.uoknor.edu>
Date: 5 Dec 90 14:21:32 GMT
References: <1990Dec3.174656.27983@dcdwest.uucp> <47056@apple.Apple.COM> <5624@qip.UUCP>
Sender: news@uokmax.ecn.uoknor.edu (Nets)
Organization: National Severe Storms Laboratory
Lines: 15
Posted: Wed Dec 5 15:21:32 1990

In article <5624@qip.UUCP> john@qip.UUCP (John Moore) writes:
>
>On the other hand, I hope they get him. I have had some very unpleasant
>personal experiences with that idiot.
>--
Aw, c'mon, John! Don't hold back. Tell us what you really think!
P.S.: Video was great!
____
Gary Skaggs - WB5ULK   skaggs@nssl.gcn.uoknor.edu DOC/NOAA/ARL/ERL/NSSL

"The correct way to punctuate a sentence that starts: 'Of course it is none of my business, but...' is to place a period after the word 'but'. Don't use excessive force in supplying such a moron with a period. Cutting his throat is only a momentary pleasure and is bound to get you talked about."
---Lazarus Long, "Time Enough for Love"

From 2379079552670697223
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2aa02b2c100475d1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-05 06:57:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!caen!hellgate.utah.edu!uplherc!giga!wright
From: wright@giga.slc.unisys.com (Bob Wright)
Newsgroups: rec.ham-radio
Subject: 3W4VL on 15 m CW
Summary: Vietnam!
Message-ID: <804@giga.slc.unisys.com>
Date: 5 Dec 90 14:57:58 GMT
Organization: Unisys, Salt Lake City, Utah
Lines: 9
Posted: Wed Dec 5 15:57:58 1990

I've heard 3W4VL (Vietnam) on the low end of 15 meters (CW) the past 2 nights, and finally punched through last night. QSL via UA3DK, I think.

I had not heard about this beforehand. Is this guy for real?

Bob Wright K7RW

wright@giga.slc.unisys.com
or ...!giga!wright

From -4869418069791809902
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b18103fca3bc947d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-05 08:07:36 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hplvec!chris
From: chris@hplvec.LVLD.HP.COM (Chris Kelly)
Newsgroups: rec.ham-radio
Subject: Re: GTE 8870 decoder chip - NEEDED
Message-ID: <2190002@hplvec.LVLD.HP.COM>
Date: 5 Dec 90 16:07:36 GMT
References: <9012040823.AA24768@hermes.intel.com>
Organization: Hewlett-Packard Co., Loveland, CO
Lines: 5
Posted: Wed Dec 5 17:07:36 1990

I believe that the GTE is identical to the MITEL MT8870, in case
you develop a source for those. Contact local distributors for
availability. MITEL phone in California is (408) 249-2111.
..chris

From 8386932247100572394
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-05 08:52:32 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!Jim.Grubs
From: Jim.Grubs@w8grt.fidonet.org (Jim Grubs, W8GRT)
Newsgroups: rec.ham-radio
Subject: Internet-Packet Reply (LONG!)
Message-ID: <678.275CF8F8@w8grt.fidonet.org>
Date: 5 Dec 90 16:52:32 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 47
Posted: Wed Dec 5 17:52:32 1990

> From: jbloom@uhasun.hartford.edu (Jon Bloom)
> Date: 4 Dec 90 14:47:56 GMT
> Organization: The University of Hartford
> Message-ID: <389@ultrix.uhasun.hartford.edu>
> Newsgroups: rec.ham-radio
>
> In article <1644@ke4zv.UUCP>, gary@ke4zv.UUCP (Gary Coffman) writes:
> > Except for their obligation to uphold international agreements, the FCC
> > couldn't care less about third party traffic. With the growing demand for
>
> I'd be interested to know what gives you that impression. Having
> recently discussed some of this with the FCC, I have a different
> impression entirely. They are insistent that both the FCC and the
> amateurs themselves have the capability to detect improper use of
> amateur frequencies. The oft-cited continuing use of amateur
> frequencies by taxicabs, boaters etc. is irrelevant. There is a big
> difference (in the FCC's eyes, at least) between not having sufficient
> enforcement capability to catch all of the illegal activity and not
> being technically *able* to catch them. They may grudgingly put up
> with the former, but they are unbending about not allowing the latter
> to happen any more than they can help it.
>
> --
> Jon Bloom, KE3Z | American Radio Relay
> League
> Internet: jbloom@uhasun.hartford.edu |
> Snail: 225 Main St., Newington, CT 06111 | "I have no opinions."

In other words, to try to cover up their impotence in dealing with the
sharks, they plan to make a big show of beating the crap out of the guppies.

Wonderful concept! No wonder young people feel such total contempt for government.

Are we to infer from your constant references to the fact that you participate in the ARRL program to educate the FCC on what's happening in the real world that the League approves of this FCC "Whack the Guppies" policy?

[Sorry to offend the rec.ham-radio.legal proponents, but if you look up from your ivory tower technical tinkering some day and discover that the politics of regulation have eliminated the hobby altogether, don't ask why "somebody" failed to notice and take care of the problem.]

--
Jim Grubs, W8GRT - via FidoNet node 1:234/1
UUCP: ...!uunet!w8grt!Jim.Grubs
INTERNET: Jim.Grubs@w8grt.fidonet.org

From 713651518978206125
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8fa34cc2e0803bb2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-05 09:15:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!agate!ucbvax!ROSEVC.Rose-Hulman.EDU!DERRY
From: DERRY@ROSEVC.Rose-Hulman.EDU
Newsgroups: rec.ham-radio
Subject: Special event
Message-ID: <F44CBF66F5FFA06D94@ROSEVC.Rose-Hulman.Edu>
Date: 5 Dec 90 17:15:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 50
Posted: Wed Dec 5 18:15:00 1990

The WABASH VALLEY AMATEUR RADIO ASSOCIATION, INC., will be host to any and all hams who wish to work the William B. Gaskins Memorial Club Station, W9UUU, or any of the club members who are operating their own station and announcing that their station is participating in the special event.

The special event will be from 1300Z Saturday, December 8, 1990, until 0300Z Sunday, December 9. (That's this Saturday from 8 am until 10 pm EST.) See the December, 1990, QST.

All bands (except 30, 17, and 12 m) and all modes will be used, depending on the members' preference. W9UUU, the club station, located in Terre Haute, Indiana, will be on the air for the special event on various frequencies that conform to band usage, propogation conditions, and operators' prejudices.

Stations wishing a certificate should send their QSL card and SASE to:

```
                  +-------------------------------+
                  | (CALL OF THE STATION WORKED)  |
                  | C/O Wabash Valley ARA, Inc.   |
                  | P. O. Box 81                  |
                  | Terre Haute, IN  47808        |
                  +-------------------------------+
```

A certificate will be mailed as soon as possible.

```
       ********************************************************
       *                                                      *
       *  The special event is commemorating the founding of  *
       *  the club station memorializing Bill Gaskins,        *
       *  W9UUU.  Bill was a charter member of the WVARA and  *
       *  was an extremely active and helpful ham for many    *
       *  years.                                              *
       *                                                      *
       *  It was Bill's dream that the VWARA could someday    *
       *  have its own club station. After Bill's death, the  *
       *  American Red Cross chapter in Terre Haute offered   *
       *  the WVARA facilities for the club station.  It was  *
       *  at that time the club decided to name the station   *
       *  in memory of Bill.                                  *
       *                                                      *
       ********************************************************
```

See you this Saturday.

de K9CUN   derry@rosevc.rose-hulman.edu

From 3621644431751371194
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e7d9ea835416727,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-05 10:16:02 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
LL.MIT.EDU!JORDAN
From: JORDAN@LL.MIT.EDU ("Mike Jordan G4ASQ/KC1RP")
Newsgroups: rec.ham-radio
Subject: Packet
Message-ID: <9012041727.AA03563@LL.MIT.EDU>
Date: 4 Dec 90 22:27:40 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Tue Dec 4 23:27:40 1990

Thanks to Phil & Gary for putting me right about what is required for a packet TNC. The handling of HDLC obviously poses a problem. I am now starting to appreciate what is involved. I was hoping a 16Mhz '386 would be able to do the job, even if it meant polling the line for individual bits.

I'm a lot handier with a compiler/assembler than I am at drilling metal, so I prefer software solutions whenever possible - they're easier to upgrade too..

In the meantime, I'll start with RTTY...

Mike

From 3393678670996278196
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-05 10:25:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!think.com!linus!philabs!ttidca!sorgatz
From: sorgatz@ttidca.TTI.COM (Avatar)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <21618@ttidca.TTI.COM>
Date: 5 Dec 90 18:25:16 GMT
References: <19@shasta.Stanford.EDU>
Organization: Citicorp/TTI, Santa Monica
Lines: 25
Xref: gmdzi news.groups:23325 rec.ham-radio:17493
Posted: Wed Dec 5 19:25:16 1990

In article <19@shasta.Stanford.EDU> paulf@shasta.Stanford.EDU (paulf) writes:
+Jay Maynard and I propose the following reorganization of the rec.ham-radio
+hierarchy:

<portions of your most exellent plan deleted to save bandwidth>

+
+PROPOSED ADDITIONS:
+

To which I'd like to see the addition of 'rec.radio.cb'..sounds silly comming from me, right? The notion is advanced that in giving people a _place_ for discussions related to the use of CB radio, perhaps it will foster some healthy growth and change there.

Additionally, there might be a trend towards involving more people in the _hobby_ of radio, since CB can be a stepping stone towards a ham ticket.

Consider this a vote FOR the plan, with or without my proposal, nice job!

```
-Avatar-> (aka: Erik K. Sorgatz) KB6LUY          +-------------------------+
Citicorp(+)TTI                          *----------> panic trap; type = N+1 *
3100 Ocean Park Blvd. Santa Monica, CA  90405     +-------------------------+
{csun,philabs,psivax,pyramid,quad1,rdlvax,retix}!ttidca!sorgatz **
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR ITS MANAGEMENT!)


From 1230716323158056922
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-05 11:24:03 PST
Path: gmdzi!unido!mcsun!uunet!abvax!tut.cis.ohio-state.edu!cs.utexas.edu!bcm!lib!
thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <4430@lib.tmc.edu>
Date: 5 Dec 90 19:24:03 GMT
References: <19@shasta.Stanford.EDU> <2997@crdos1.crd.ge.COM>
<1990Dec05.152844.11215@cs.widener.edu>
Sender: usenet@lib.tmc.edu
Followup-To: news.groups
Organization: University of Texas Medical School at Houston
Lines: 11
Xref: gmdzi news.groups:23340 rec.ham-radio:17502
Posted: Wed Dec  5 20:24:03 1990
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <1990Dec05.152844.11215@cs.widener.edu> brendan@cs.widener.edu (Brendan
Kehoe) writes:
> I second the use of something like rec.radio.ham.regs .. making it
>'.legal' is kinda like proposing a group for '.nocode' too. :-)

That's the idea. .legal is intended to be the place to have the interminable
no-code wars.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu  | adequately be explained by stupidity.
  "...flames are a specific art form of Usenet..." -- Gregory C. Woodbury


From -1459532178910369378
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c4a8cd3b0a24972
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,9c4a8cd3b0a24972
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-05 12:44:40 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
```

```
hsdndev!husc6!encore!jcallen
From: jcallen@Encore.COM (Jerry Callen)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: Powerline voltage too high, power co working on it
Summary: If RMS is no good, what is?
Keywords: 128V!
Message-ID: <13434@encore.Encore.COM>
Date: 5 Dec 90 20:44:40 GMT
References: <114172@philabs.Philips.Com> <9780@fy.sei.cmu.edu>
Reply-To: jcallen@encore.Com (Jerry Callen)
Followup-To: rec.ham-radio
Organization: Encore Computer Corp, Marlboro, MA
Lines: 18
Xref: gmdzi rec.ham-radio:17495 sci.electronics:10018
Posted: Wed Dec  5 21:44:40 1990

In article <9780@fy.sei.cmu.edu> rsd@sei.cmu.edu (Richard S D'Ippolito) writes:
>The typical electric utility tariff (what the utility must provide under its
>contract with your state government) calls for 120v +/- 5% at your meter, or
>114-126 volts.  You can't really complain about 126 volts.  Also, a 'good'
>digital (or analog) meter will not necessarily give an accurate reading, as
>most of them are average-responding, rms-reading, because if there are a lot
>of solid-state power controls on your feeder, the AC waveform can get fairly
>chopped up.

Then what IS the basis for the 120V +/- 5% if not rms? Seems like the only
fairly repeatable reading would be peak to peak...

BTW, there is all sorts of interesting hash riding on the 60Hz sine wave.
Solid state power controls may be the least of the problem; inductive
loads can put a lot of crap on the waveform, too.

-- Jerry Callen
   jcallen@encore.com


From -2337709393540762229
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c4a8cd3b0a24972
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-05 13:26:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cunixf.cc.columbia.edu!cunixd.cc.columbia.edu!mig
From: mig@cunixd.cc.columbia.edu (Meir)
Newsgroups: rec.ham-radio
Subject: Re: Powerline voltage too high, power co working on it
Keywords: 128V!
Message-ID: <1990Dec5.212625.18882@cunixf.cc.columbia.edu>
Date: 5 Dec 90 21:26:25 GMT
References: <114172@philabs.Philips.Com> <24228@ucsd.Edu>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Organization: Columbia University
Lines: 21
```

Posted: Wed Dec 5 22:26:25 1990

In article <24228@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>Yeah, that's not that unusual. The voltage here in my house right now
>is 125v, and has been pretty much that for the last seven years. And my
>lightbulbs don't last real long either.
>
>Our mountaintop repeater site had line voltage around 132 volts back in
>1971; it's been dropping steadily since and is now down to about 118 -
>either the lines are aging or it's all the additional load as more
>equipment gets installed.
>
>At work the voltage is a nice 117.5 on two of the three phases. It's
>about a volt higher on the third; I think there are fewer VAXes on that
>phase.
>   - Brian

The higher the voltage, the less it will drop when you key your 1 KW
transmitter!

```
 * * * * * * *  ======================= Meir Green
* * * * * * * * ======================= mig@cunixd.cc.columbia.edu
 * * * * * * *  ======================= N2JPG
```

From 3991768185805740112
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d082f2e18ef220e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-05 13:38:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!sun-barr!newstop!west!L1-A.West.Sun.COM!flloyd
From: flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242)
Newsgroups: rec.ham-radio
Subject: More DR-590 Codes...
Summary: Cross band repeat remote on/off
Message-ID: <1246@west.West.Sun.COM>
Date: 5 Dec 90 21:38:51 GMT
Sender: news@west.West.Sun.COM
Organization: Sun Microsystems, Phoenix, AZ
Lines: 57
Posted: Wed Dec 5 22:38:51 1990

I was visiting the local HRO at lunchtime and happened to meet the
visiting Alinco rep. He was showing off all of the remote features of
the DR-590. Apparently he has been doing quite a bit of research to
figure out the thing, including taking trips to Japan and interviewing
the design engineers.

He said that almost all of the basic codes were in the manual but that
the were very lightly covered. One pair of codes that were not
mentioned were D99 (cross band repeat ON) and D01 (cross band repeat OFF).

Contrary to what others have said on this forum, I saw him change frequencies on both bands from the remote radio. He was going in on 2m and out on 440. He was able to set the 440 frequency as well as the 2 meter frequency by remote control. He indicated that only PL and repeater offset could not be set remotely, however he did acknowledge the trick of putting a shift in one of the ARM memories which he learned from a user. He said that even the engineers in Japan were unaware of this.

I asked him about documentation and he said that they were faxing it out to all the stores which carry it. Apparently one can call them as well (FAX: (213) 618-8758 or Voice: (213) 618-8616).

The comment was made that when the Japaneese brought the radio out to the U.S., they only mentioned in passing that the rig could be controlled remotely. Apparently, they never thought much about it themselves. They (the Japaneese) were surprised at how much commotion their American sales reps made about it.

In talking with the sales rep, it became apparent how all of this has transpired. It was pointed out that you could do anything from remote that you can do via the touch-tone pad on the microphone. I also asked him if this included the limitiations - it did. You also cannot select shift or PL directly from the microphone pad.

This leads me to speculate that what has happened here is that remote control of the radio was developed by "accident" as an outgrowth of the ability to control the rig from its microphone touch tone pad. It seems that when the dsq (dtmf decoder) was added that these features suddenly became available. This would explain why the radio has been called an "almost great" in that the remote-base functions are "nearly complete". Perhaps it was never designed to begin with.

I would further speculate that much will be learned by both Alinco and its competitors from this radio and that by next year a "complete" or fully functional remotable rig will be available.

I can't wait :-)

-fred (still stuck with my 721), AA7BQ

```
--
| Fred Lloyd  AA7BQ                            flloyd@West.sun.com |
| Sun Microsystems, Inc.                             ...sun!flloyd |
| Phoenix, AZ                                                      |
```

From 4447118921133456998
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b72c4d1ccb203821,start
X-Google-Attributes: gid10c9e3,public

```
X-Google-Thread: 105d97,b72c4d1ccb203821,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-12-05 14:36:18 PST
Path: gmdzi!unido!mcsun!ukc!acorn!agodwin
From: agodwin@acorn.co.uk (Adrian Godwin)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Help - Philips video camera
Keywords: ATV, video, Philips
Message-ID: <4305@acorn.co.uk>
Date: 5 Dec 90 15:20:28 GMT
Sender: agodwin@acorn.co.uk
Followup-To: sci.electronics
Organization: Acorn Computers Ltd, Cambridge, UK
Lines: 34
Xref: gmdzi sci.electronics:9986 rec.ham-radio:17440
Posted: Wed Dec  5 16:20:28 1990
```

I've acquired a Philips monochrome video camera from a junk sale, and am looking for details on connections to it. The usual suppliers of service sheets have never heard of it - have you ?

The camera is marked '8925 002 50401' and is tube-based (Vidicon ?). Connection is via a captive lead with a 7-pin DIN plug. The cable contains 2 screened leads and 4 other leads. There is a 5-pin DIN socket mounted near the lens (perhaps for auto iris control ?). The camera is about 6 inches long, and the circuitry is protected by an anodised aluminium cover. There's an orange lamp on top.
I'd guess from it's size and lens quality that it was intended for use as a cheap security camera.

I can get composite video out of it by supplying it with 9V dc. I chose this value because it results in about 6.3 V on the tube heaters - seemed like a good idea at the time... This supply also results in voltages on the tube neck between -50 and 300V, from an internal inverter.

The picture is reasonable, but suffers badly from after-images. I don't know much about camera tubes, but it may be that it's being driven incorrectly (wrong voltages) or perhaps it's just the way these devices are.

I'm looking for more precise information about the power supply than my guesswork, and confirmation that the tube is being driven at the right sort of level. I'd also like to know about the signals I'm not using on the interface cable - two of them appear to be sync inputs (if I provide them with about 4V of sync, the internal sync generators will lock onto it) but that still leaves 2 pins unaccounted for. One appears to be an input, and the other an output.

Any ideas ? Or lectures on the care and feeding of camera tubes ?

-adrian

```
From -7120698789263309418
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88bf3c1b5528c7e7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-05 14:40:15 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: any info on oscar-21 launch
Summary: AO-21 delay
Keywords: Oscar-21 Rs-14 soviet satellite new launch
Message-ID: <600@ssc.UUCP>
Date: 5 Dec 90 01:50:03 GMT
References: <677@kb2ear.UUCP>
Organization: very little
Lines: 39
Posted: Wed Dec  5 02:50:03 1990
```

In article <677@kb2ear.UUCP>, n2aam@kb2ear.UUCP (Dave Marthouse N2AAM) writes:

> Has anyone in netland heard if the soviets have
> launched Oscar-21 Rs-14? It was going to happen around the 29th of Novenber.
> Any information would be appreciated.

I think this is what you are looking for:

SB ARRL @ ALLBBS $ARLX015
Sp Btn #15 AO21 Delayed 12/2

QST DE W1AW
Special Bulletin 15 ARLX015
From ARRL Headquarters
Newington CT December 2, 1990
To All Radio Amateurs

The launch of RM-1/RUDAK-2, AKA AO-21, has been delayed until January 7, 1991. Stay tuned to W1AW, AMSAT nets and News Service bulletins for updates on this launch.

Thanks to AMSAT ANS for this story.

Copied from W1AW by Tad, KT7H @ N7HFZ.WA.USA.NA.
/EX

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089

MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 5227649588409176845
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79ce062cd18ba074
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-05 14:40:23 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: Usenet Un-Net strikes again
Keywords: un-net
Message-ID: <601@ssc.UUCP>
Date: 5 Dec 90 04:34:31 GMT
References: <93141@aerospace.AERO.ORG>
Organization: SSC, Inc., Seattle, WA
Lines: 12
Posted: Wed Dec 5 05:34:31 1990

In article <93141@aerospace.AERO.ORG>, obrien@aerospace.aero.org (Mike O'Brien) writes:
> Had a good time with the Usenet Un-Net this morning, though I must say
> that it seems to be primarily an East Coast phenomenon.
...
> Check in and check it out. 28.390 or 28.410, depending on QRM, Saturdays
> 1700-1900Z. Be there...or be somewhere else.

At 9:00 Am PST on Saturday, no wonder it's an east coast phenomenon.

:-)

markz@ssc.uucp

From -7979822389047586150
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,86e4e58a8cab0687,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-05 14:45:41 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!wuarchive!cs.utexas.edu!asuvax!anasaz!qip!anasaz.uucp
From: john@anasaz.uucp (John Moore)
Newsgroups: rec.ham-radio
Subject: Reciprocal operating in France?
Message-ID: <5637@qip.UUCP>
Date: 5 Dec 90 22:45:41 GMT
Sender: john@qip.UUCP
Organization: Anasazi, Inc. Phoenix, Az
Lines: 11

Posted: Wed Dec 5 23:45:41 1990

I expect to spend considerable time in France early next year. My daughter and I are both hams and would like to be able to communicate with each other on 2 meters while we are there. We have sent away to ARRL for info, but I thought I'd ask if anyone had more information.

Is there reciprocal operating with France (vs US)?

We don't speak ANY French - is that a problem?

Has anyone out there in net-land ever operated in France with a reciprocal license?

From 4700969902881813172
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-05 14:54:35 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!kline
From: kline@ux1.cso.uiuc.edu (Charley Kline)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <1990Dec5.161957.27384@ux1.cso.uiuc.edu>
Date: 5 Dec 90 16:19:57 GMT
References: <19@shasta.Stanford.EDU> <10510013@hpcuhb.cup.hp.com>
Organization: University of Illinois at Urbana
Lines: 8
Posted: Wed Dec 5 17:19:57 1990

I would also like to see the newsgroups renamed in this way. I also agree that we should be using the word "amateur" instead of "ham".

```
-----------------------------------------------------------------------------
Charley Kline, KB9FFK, PP-ASEL                              c-kline@uiuc.edu
University of Illinois Computing Services                 Packet: kb9ffk@w9yh
1304 W. Springfield Ave, Urbana IL  61801                      (217) 333-3339
```

From 1426438806686454424
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8591511e3af59c96,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,8591511e3af59c96,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,8591511e3af59c96,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-05 15:15:04 PST
Path: gmdzi!unido!mcsun!sunic!dkuug!iesd!news
From: sunesen@iesd.auc.dk (Peter Sunesen)

Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap
Subject: Terminal / BBS program to packet radio
Message-ID: <1990Dec5.200240.28893@iesd.auc.dk>
Date: 5 Dec 90 20:02:40 GMT
Sender: news@iesd.auc.dk (UseNet News)
Organization: CS and Math, University of Aalborg, Denmark
Lines: 140
Xref: gmdzi rec.ham-radio:17447 rec.ham-radio.packet:3149 rec.ham-radio.swap:847
Posted: Wed Dec 5 21:02:40 1990

I`am happy to anounce, that you now can get the best and most used
packet radio program, from iesd.auc.dk (130.225.48.4)
as anonymous ftp.

The program is placed at
/pub/ham-radio
And the name is
pcmb510.lzh

If you use it please E-mail, to me so that we can send you information
about neu things....or developments of this fine program..

There is also developt a remote contole program to Kenwood radio`s
but there is not English docomentation..... but it will come

Hallo Welcome to PCMBOX.

*** PCMBOX Copyright (c) 1990 OZ1HMN ***

What is PCMBOX ????

PCMBOX is a Packet terminal program with many features including mini mailbox,
21 commands based on the // principle.

PCMBOX is written in Turbo Pascal(tm) by OZ1HMN and is a shareware program
fully Copyrigthed by OZ1HMN. It is forbidden to sell and may not be used
to any commercial purposes.

Now some of the features:

Yapp is supported in terminal as well as in mailbox mode.

A log is updated every time you connect someone, and a seperate
log file for mailbox users.

You can call an External program within PCMBOX.

You can connect via the routing list (Alt-C).

```
        Setup of your favorit editor.

        Setup of your favorit viewer.

        Create a mail file within PCMBOX.

        RX buffer containing op to 400 lines.

        Trace (look for) specific text received, and then beep.
```

And now a dump of the 3 help screens:

```
 IMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM Function Keys MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM;
 :                                                                             :
 :                   Shift            Ctrl                Alt                  :
 :                   DDDDD            DDDD                DDD                  :
 : F1 :              F1 : Editor      F1 : Echo    On/Off  F1 : OZ9BOX          :
 : F2 : Log   File   F2 : Yapp Downl. F2 : DK Char On/Off  F2 : OZ4KK           :
 : F3 : Send  File   F3 : Yapp Upl.   F3 : Sound   On/Off  F3 : OZ4KK 8JYL-2    :
 : F4 : OZ1HMN Heard F4 : Ext Program F4 : MBox    On/Off  F4 : 1HMN 8JYL       :
 : F5 : Conn. Status F5 : DIR         F5 : Printer On/Off  F5 : OZ8JYL          :
 : F6 : Disp. User   F6 : DELete File F6 : Trace   On/Off  F6 : OZ1HMN-OZ6JN    :
 : F7 : Send  >>>    F7 : Trace Opt.  F7 : Send Mail       F7 : OZ7AEM          :
 : F8 : Command      F8 : View Mail   F8 : Send //I  Info  F8 : Mheard          :
 : F9 : Converse     F9 : View File   F9 : Send Date/Time  F9 : Display         :
 : F10: Transparent  F10: DOS Path    F10: Create Mail     F10: Disconnect      :
 :                                                                             :
 :                                  <PgDn> More...        <ESC> Exit           :
 HMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM<



     IMMMMMMMMMMM Additional Commands MMMMMMMMMMM;
     :                                           :
 ZDDD: Alt C     : Connect routing               :DDDDDDDDDDDDDDDDDDDDDDDDDDDDD?
 3   : Alt I     : Re-Init                       :                             3
 3   : Alt R     : Clear RX Screen               :         Alt                 3
 3   : Alt S     : Setup program                 :         DDD                 3
 3 F1: Alt T     : Clear TX Screen               : On/Off  F1 : OZ9BOX         3
 3 F2: Alt X     : Quit PCMBOX                   : On/Off  F2 : OZ4KK          3
 3 F3: PgUp/PgDn : Display RX buffer             : On/Off  F3 : OZ4KK 8JYL-2   3
 3 F4: Ctrl+Enter: Sends TX text and >>> + CR    : On/Off  F4 : 1HMN 8JYL      3
 3 F5:                                           : On/Off  F5 : OZ8JYL         3
 3 F6: <PgDn> More   <PgUp> Back    <ESC> Exit   : On/Off  F6 : OZ1HMN-OZ6JN   3
 3 F7HMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM<il       F7 : OZ7AEM         3
 3 F8 : Command      F8 : View Mail   F8 : Send //I  Info  F8 : Mheard         3
 3 F9 : Converse     F9 : View File   F9 : Send Date/Time  F9 : Display        3
 3 F10: Transparent  F10: DOS Path    F10: Create Mail     F10: Disconnect     3
 3                                                                             3
 3                                  <PgDn> More...        <ESC> Exit           3
 @DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDY
```

```
     ZDDDDDDDDDDD Additional Commands DDDDDDDDDDD?
     3   IMMMMMMMMMMMMMMMMMMMMMM Remote Commands MMMMMMMMMMMMMMMMMMMMMM;
 ZDDD3 Al:                                                            :DDDDDDDD?
 3   3 Al: //CH   Wakeup SysOp          //MH Show stations heard     :        3
 3   3 Al: //DIR  Direc. list (subdir)  //N  Enter name in mailbox   :        3
 3   3 Al: //DU   Display User  (call)  //Q  Disconnect message      :        3
 3 F13 Al: //H    Command list          //R  Read file (subdir)      :        3
 3 F23 Al: //HELP Command Help          //RM Read Message            :        3
 3 F33 Pg: //I    SysOp info            //SP Send Private (call)     :8JYL-2  3
 3 F43 Ct: //JK   Conn. stations today  //V  Version                 :JYL     3
 3 F53   : //KM   Kill Message          //W  Write file to disk      :        3
 3 F63 <P: //WN   Whats New             //X  Execute DOS program     :-OZ6JN  3
 3 F7@DDD: //YD   Yapp Download         //YU Yapp Upload             :        3
 3 F8 : C: //YW   Yapp Dir                                           :        3
 3 F9 : C:                                                           :y       3
 3 F10: T:                                              <PgUp> Exit  :nect    3
 3       HMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM<        3
 3                                <PgDn> More...        <ESC> Exit          3
 @DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDY
```

If you find this program of any use, please send a donation to:

Lars Rasmussen (OZ1HMN)
Oesterbro 96 3. tv.
9000 Aalborg
Denmark

Telephone: (+45) 98131279

```
--
Home adr:               | Peter V.H.Sunesen | Department of Computer Science
  Heimdalsgade 42,7     |                   |  University of Aalborg (AUC)
  9000 Aalborg, Denmark |sunesen@iesd.auc.dk|           Denmark
```

```
From 8802989310310931123
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,eaf9369d06df07f5
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-05 15:16:53 PST
```

```
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!kaarne!ts74113
From: ts74113@kaarne.tut.fi (T.J.Saarinen  OH3YN)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <1990Dec5.015543.4587@funet.fi>
Date: 5 Dec 90 01:55:43 GMT
References: <19@shasta.Stanford.EDU>
Sender: news@funet.fi (#News )
Reply-To: ts74113@kaarne.tut.fi (T.J.Saarinen  OH3YN)
Organization: Tampere University of Technology, Finland
Lines: 23
Xref: gmdzi news.groups:23288 rec.ham-radio:17448
Posted: Wed Dec  5 02:55:43 1990


In article <19@shasta.Stanford.EDU> paulf@shasta.Stanford.EDU (paulf) writes:
>Jay Maynard and I propose the following reorganization of the rec.ham-radio
>hierarchy:
>
>PROPOSED ADDITIONS:
>
>1. rec.radio.ham
>2. rec.radio.ham.legal
>3. rec.radio.ham.packet
>4. rec.radio.ham.swap
>
>PROPOSED DELETIONS:
>
>1. rec.ham-radio
>2. rec.ham-radio.packet
>3. rec.ham-radio.swap

I do agree!

-------------------------------------------------------------------------
|  - InterNet : ts74113@tut.fi   |    - HamRadio : OH3YN@OH3TR.FIN.EU
     |
-------------------------------------------------------------------------
|    There's never enough time to do all the nothing you want!
          |


From 5985096068046020933
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bb608bd582c2d51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-05 15:17:37 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!sdd.hp.com!
zaphod.mps.ohio-state.edu!rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: rec.ham-radio reorganization
Message-ID: <iXmoT3w163w@phoenix.com>
```

Date: 5 Dec 90 01:20:53 GMT
References: <19@shasta.Stanford.EDU>
Organization: One Man Brand
Lines: 23
Posted: Wed Dec 5 02:20:53 1990

paulf@shasta.Stanford.EDU (paulf) writes:

> Jay Maynard and I propose the following reorganization of the rec.ham-radio
> hierarchy:
>

<<General re-naming of rec.ham-radio and adding .legal deleted.>>

It seems the only effect of this reorganization is the addition of rec.ham-radio.legal, other than the name changing.

Why is this a Good Thing? Why not just add rec.ham-radio.legal and leave the rest of the structure alone? Is it not simpler (and prone to fewer screwups) to do this instead of renaming everything?

> Commentary Period: Dec. 4 -14, 1990

<> "If winning is not important, then why keep score?" -- Turtle Head
<> "Eaten any good books lately?" -- Q
<> "Sanity check!" "Sorry, we can't accept it, it's from out of state." - me

---

From -6376949365797088476
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,42a76e1494412449,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 06:08:40 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!tut.cis.ohio-state.edu!snorkelwacker.mit.edu!bloom-beacon!deccrl!news.crl.dec.com!pa.dec.com!shodha.enet.dec.com!levers.enet.dec.com!b_egan
From: b_egan@levers.enet.dec.com (Bob Egan)
Newsgroups: rec.ham-radio
Subject: post launch keplerian data needed
Message-ID: <2087@shodha.enet.dec.com>
Date: 3 Dec 90 06:02:54 GMT
Sender: news@shodha.enet.dec.com
Organization: Digital Equipment Corporation
Lines: 34
Posted: Mon Dec 3 07:02:54 1990

Path: levers.enet.dec.com!b_egan
From: b_egan@levers.enet.dec.com (Bob Egan)
Newsgroups: sci.space,sci.space.shuttle,rec.radio.shortwave

```
Subject: Re: Latest post launched Keplerian data needed
Date:  2 DEC 90 23:00:51
Organization: Digital Equipment Corporation
Keywords:
Summary:
-Message-Text-Follows-

In article <2085@shodha.enet.dec.com>, b_egan@levers.enet.dec.com (Bob Egan)
writes...
>
>Would someone post a post launch element set. I called the NASA BBS
>and nothing is there. There is one news update of little value.
>
>Thanks,
>Bob
>
>ps. If these are posted to an ftp site, I would appreciate a pointer
>to them...
>
>
>
>
>Bob Egan b_egan@levers.enet.dec.com
>         --or-- ...!decwrl!levers.enet.dec.com!b_egan
>         --or-- b_egan%levers.dec@decwrl.dec.com
Bob Egan  b_egan@levers.enet.dec.com
          --or-- ...!decwrl!levers.enet.dec.com!b_egan
          --or-- b_egan%levers.dec@decwrl.dec.com
Bob Egan  b_egan@levers.enet.dec.com
          --or-- ...!decwrl!levers.enet.dec.com!b_egan
          --or-- b_egan%levers.dec@decwrl.dec.com
```

```
From -7634749648894940534
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db799ded972c31ac,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,db799ded972c31ac,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-03 06:43:41 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!julius.cs.uiuc.edu!psuvax1!rutgers!
galaxy.rutgers.edu!andromeda.rutgers.edu!gubernar
From: gubernar@andromeda.rutgers.edu.rutgers.edu (John D. Gubernard)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Major E.H. Armstrong 100th Anniversary Special Event
Message-ID: <Dec.3.09.43.40.1990.17211@galaxy.rutgers.edu>
Date: 3 Dec 90 14:43:41 GMT
Sender: news@galaxy.rutgers.edu
Reply-To: gubernar@andromeda (John D. Gubernard)
Followup-To: rec.ham-radio
Organization: Rutgers University - Newark, NJ
Lines: 48
Xref: gmdzi rec.ham-radio:17518 rec.ham-radio.packet:3163
```

Posted: Mon Dec 3 15:43:41 1990
Nntp-Posting-Host: andromeda.rutgers.edu

The 100th Anniversary of Major Edwin H. Armstrong

Major Edwin Howard Armstrong, famed radio pioneer was born on Dec 18, 1890, and fell to his death on Feb 1, 1954. He is credited with being one of the most important inventors in the field. Among his inventions are four basic discoveries that revolutionized radio, and made possible the present state of the art. These include: the regenerative circuit, which took radio out of the crystal detector stage; the superheterodyne circuit, the basic circuit of today's standard radio; the superregenerative circuit, used in military and UHF communications; and the FM communications systems which achieve static-free high fidelity reception. He attended Columbia University, and became Professor of Electrical Engineering at the school.

The members of the Major Armstrong Memorial Amateur Radio Club will be commemorating the 100th anniversary by operating Special Events stations December 15th and 16th from 1400Z to 2300Z on the following amateur bands:

```
10 meters--- 28.400 Mhz +/- 25 Khz on SSB.
2  meters--- 145.03 Mhz Packet Radio with the call of W2FMN which may be
             reached via the K2LSX-2 NetRom Node.
220 Mhz----- 223.42 Mhz Packet Radio with the call of K2LSX which may be
             reached via the K2LSX-3 NetRom Node.
Club Voice Repeaters located in Northern New Jersey:
             222.080 in/223.680 out W2VH/R with PL 1B (107.2).
             222.640 in/224.240 out W2QAQ/R with PL 1B (107.2).
             441.525 in/446.525 out W2VH/R with PL 1B (107.2).
```

Members will be using their own call signs. Special Certificates will be available for those making contacts with a member station. To receive a certificate, send a completed QSL card and a 8-1/2" x 11" SASE to:

MAMARC
100th Anniversary
P.O. Box 581
Alpine, NJ 07620

```
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
 John D. Gubernard         Call: N2JSH    |  |\/\/\/|
 Rutgers University - NCAS                |  |      |  BART SIMPSON  #1!!!!
 E-MAIL: gubernar@andromeda.rutgers.edu   |  | (o)(o)
------------------------------------------|  |     _)
 "Well...you can't expect to wield supreme |  | ,___|   HASTA LAMBADA, DUDES!!
  power just 'cause some watery tart threw |  |   /
  a sword at you!" - Dennis the Peasant    | /____\
--------------------------------------------------------------------------------
  MEMBER: Major Armstrong Memorial ARC     |   Go Scarlet Knights  #1!!!!
          223.68 / 446.525 / 224.24 Mhz   |   Atlantic 10 CHAMPS AGAIN!!
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
```

From 4870399239364143275
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0aaa3358b071a9a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 06:47:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!voder!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: Zepp Antennas
Message-ID: <1990Dec2.223924.8533@informix.com>
Date: 2 Dec 90 22:39:24 GMT
References: <FAA5656555BF200363@uncg.bitnet> <12280029@hpspdra.HP.COM>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 14
Posted: Sun Dec 2 23:39:24 1990

Now that we're on the subject of Zepp antennas ... it is OK to have
the top part of the antenna slope at an angle, like an inverted V? That's
the setup I have. So far, it seems to work OK.

```
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                          Informix Software, Inc.
KK6MY                                             uunet!pyramid!infmx!randall
```

--

```
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                          Informix Software, Inc.
Senior Programmer/Analyst, MIS                    uunet!pyramid!infmx!randall
```

From -2018223521719398011
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3d9b468fadcc6321,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 07:08:18 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: Gender-neutral proword.
Message-ID: <03.Dec.90.12:02:53.GMT.#8635@UK.AC.NWL.IA>
Date: 3 Dec 90 12:01:01 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Mon Dec 3 13:01:01 1990

I must admit to, on occasions, having used 'Old Thing' as a suitably

non-specific term.
(but CWers would abbreviate this to OT, which has ageist implications!)

Pete Lucas G6WBJ G6WBJ@GB7SDN.GBR.EU   PJML@UK.AC.NWL.IA 0793-411613

From -4993594401962967144
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc25c63d5fac82c5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 07:29:20 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!bionet!agate!eos!shelby!csli!kawai
From: kawai@csli.Stanford.EDU (goh kawai - n6uok)
Newsgroups: rec.ham-radio
Subject: Re: morse code. (How would you handle Chinese characters?
Message-ID: <16643@csli.Stanford.EDU>
Date: 3 Dec 90 06:29:28 GMT
References: <1990Dec1.093327.12316@lth.se> <113902@philabs.Philips.Com> <47020@apple.Apple.COM> <280@bongo.UUCP>
Organization: dept of linguistics, stanford university
Lines: 50
Posted: Mon Dec 3 07:29:28 1990

Rfc@briar.philips.com (Robert Casey), kchen@apple.com (Kok Chen), and julian@bongo.uucp (Julian Macassey) ponder:

>>> ... how the Chinese would do a code ...

>> ... possibly have used PinYin ...

>   ... there is a code book that assigns a 4 digit number to each
>   Chinese character ... in the old days ... this translation to and
>   from was tediously done by hand ...

In mainland China (the People's Republic of China), they do it by the four-digit code method, although pinyin is also common. Pinyin itself is insufficient to spell out proper nouns (such as people's names and addresses) which sound the same but are written different. An analogy might be spelling "Ann" and "Anne" as both "an", and "Stephen" and "Steven" as "steven".

Telephones are scarce in the PRC. A residential phone costs more than a regular worker's monthly pay. If you work at an office (say a bank) you get to use the official phone for private conversations, at least for receiving calls. Otherwise, if you're in a hurry, you send telegrams.

To send a telegram, you go to the post office. You write out the letter in longhand and give it to the clerk. There are about two to three thousand Chinese characters in common use. At every post office in the PRC, there is a clerk who has memorized the entire four digit code table. He takes the message, and immediately starts sending it to its destination. At the receiving end, another clerk writes down the message as it comes in, and hands it to a delivery person who then takes it to its addressee. All in all, extremely efficient and impressive.

Why, you may ask, do they take such pains? One reason is lack of technology, another is an unwillingness to replace man with machine. But there is a historical reason as well. China has undergone many dynasties, some harsh, others cruel. During the current regime, people have witnessed again that one may lose jobs due to ideological reasons. If you have technical skill that cannot be readily replaced, however, you tend to survive purges. So memorizing four digit codes for a couple thousand characters is a sound investment.

Incidentally, there are people in police departments who know the license plate numbers and owners of vehicles registered in their precinct by heart. Another useful skill.

----------------- stanford university + sri international
--- Goh Kawai --- arpanet/junet: kawai@csli.stanford.edu
----------------- compuserve: 76056,1726   radio: n6uok

From 6191984205785541832
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5ae77ab4f6b1cc2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 07:54:52 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: SOLAR TERRESTRIAL FORECAST AND REVIEW
Message-ID: <901202222157.22600c82@HG.ULeth.CA>
Date: 3 Dec 90 05:21:56 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 475
Posted: Mon Dec 3 06:21:56 1990

--- SOLAR TERRESTRIAL FORECAST AND REVIEW ---
December 01 to December 11, 1990

Report Based In-Part from Data Obtained from the
Space Environment Services Center
Boulder Colorado

SOLAR TERRESTRIAL REVIEW FOR 25 NOVEMBER TO 01 DECEMBER.

Solar activity over the past week was low to high. The most significant event was a major class M7.5/1N flare which erupted at 23:17 UT on 26 November. This flare was accompanied by minor radio emissions and was accountable for a low to moderate intensity SID/SWF at 23:12 UT. The flare was located on the extreme western limb (N18W90) within the confines of Region 6368. The duration of the flare was 17 minutes, which is below average for flares of this intensity. No proton enhancements or shock-related frequency sweeps were observed from this energetic event. The flare did not produce any terrestrial impacts aside from the short-duration SID/SWF which accompanied the flare on the sunlit side of the earth.

Since 26 November, there have been only two low-level M-class flares, one from Region 6377 (which has now rotated beyond the west limb) and the other from an uncorrelated position on the solar disk. This last M-class event was a long-duration class M1.2 event lasting 1 hour and 23 minutes. Although the source for this flare has not been determined, evidence seems to indicate that it probably originated from new Region 6395, which rotated into view on the eastern limb on 01 December. This region has a relatively large spot area, encompassing a total of 10 sunspots as of 01 December in an FKO type optical configuration. It is a type Beta magnetic group (bipolar) and is not expected to be a very prolific flare producer in its current state.

The solar flux reached its apparent minimum value of 157 for this solar rotation on 26 and 27 November. This minimum flux value is the highest minimum to be observed since the rotational minimum of 06 and 07 August, which was followed within two weeks by a pulse of increased solar activity and major flaring.

The geomagnetic field was mostly quiet throughout the last week, with the exception of 27 November when a burst of major storming occurred over middle and high latitudes. Boulder reported an associated A-Index value of 35 at 18:00 UT on 27 November, which surpasses all previous middle-latitude magnetic perturbations up to 10 and 11 October, when geomagnetic activity managed to push Boulder's A-index values up to 44. More frequent and intense storming occurred over high latitudes, although the overall geomagnetic activity was relatively short-lived. By 28 November, the magnetic field had returned to predominantly unsettled levels and quickly declined to quiet levels for the remainder of the period.

Some periods of auroral storming occurred over high latitudes during the burst of magnetic activity on 27 November. Middle latitudes witnessed increased auroral activity, but no major auroral storming materialized. Low latitudes were unable to spot auroral activity, which remained confined to the high latitude regions.

HF radio propagation remained mostly normal throughout the week, with the exception of increased magnetic and auroral activity on 27 November. Significant auroral-induced signal flutter was observed over many middle latitude locations while high latitudes experienced characteristically poor to very poor auroral-degraded propagation conditions. However, HF conditions improved quite rapidly to near normal levels on 28 and 29 November.

There were a few flare-related SID/SWF's this week which are suspected of producing degraded HF propagation conditions. However, almost all of the SID's/SWF's which occurred this week were of low intensity and short duration (with the exception of the estimated 1.5 hour low to moderate intensity SID/SWF of 01 December. No significant VHF enhancements were observed from these SID's/SWF's.

VHF propagation was near normal this week. There were no known reports of DX contacts made via auroral communications, although there were brief bursts of activity which could have been capable of providing localized VHF backscattering to moderate distances. The rapid stabilization of auroral and geomagnetic activity did not provide very good opportunities for auroral-based DX on VHF.

SHORT TERM SOLAR TERRESTRIAL FORECAST

Solar activity is expected to remain mostly low over the next week, barring any new major activity centers rotating into view. Region 6395 will continue to provide subflaring and occassional C-class flares. However, this region does not currently appear as though it will be capable of producing many (if any) M-class flares. The next potentially major pulse of activity is expected between 11 and 12 December when old Region 6368 returns.

Geomagnetic activity is expected to remain mostly quiet to unsettled this week. There is a risk of unsettled to active periods occurring on or near 05/06 December due to recurrent effects. High latitudes may experience some brief bursts of minor storming with this activity. However, overall, activity is not expected to be particularly strong. Conditions should return to mostly quiet to unsettled levels by 07/08 December.

Auroral activity will remain at low to non-visible levels until 05/06 December, when increased solar corpuscular emissions are expected to produce moderate levels of auroral activity at high latitudes. Middle latitudes will likely only witness low levels of auroral activity with possible brief bursts of moderate activity low in the northern horizon near local midnight.

Lunar phase will interfere with attempts to view auroral activity this week. The moon, which is at full phase now (on 02 December) will flood out much of any observable auroral activity over low and middle latitudes. High latitudes will be best positioned to view auroral activity after moonrise. However, even there, any auroral activity will appear less distinct and somewhat harder to spot. As the week progresses, moonrise times will allow for some short-periods of moon-free evening-twilight observing periods.

HF radio propagation conditions should be mostly normal throughout this week. High latitudes will experience degraded conditions with the onset of expected increased geomagnetic and auroral activity near 05/06 December. Middle latitudes will likely also experience periods of degraded conditions, particularly during the evening/night hours of 05/06 December. Daytime propagation over middle latitudes should be normal throughout the week. Low latitudes should maintain normal propagation conditions all through the week provided signal paths avoid the northerly-middle and high latitude regions during the evening/midnight and early morning hours.

VHF conditions should remain normal this week. No significant opportunities for DX are expected this week. The only possible exception to this would be on 05/06 November when increased auroral activity may allow for some limited localized and sporadic auroral backscatter propagation on VHF. However, activity is not expected to be intense enough to provide widespread backscattering from most high and almost all middle latitude stations.

SUMMARY OF ALL ACTIVE REGIONS VISIBLE ON THE SOLAR DISK AS OF 02 DECEMBER

Region #	Location	LO	Area	Class	LL	Spots	Magnetic Type
6379	S06W35	263	0060	CRO	07	006	BETA
6381	S04W18	246	0060	HRX	01	001	ALPHA
6382	S20W04	232	0180	HSX	02	001	ALPHA
6383	N15E05	223	0270	CSO	05	009	BETA
6384	N12W29	257	0000	AXX	01	002	ALPHA
6385	S16E18	210	0240	HSX	02	002	ALPHA
6387	S24E35	193	0450	CSO	08	006	BETA
6388	S07W10	238	0030	CRO	04	004	BETA
6390	N35E48	180	0420	DSO	09	003	BETA
6391	N10E25	203	0060	CRO	06	006	BETA
6392	S26W39	267	0030	BXO	06	002	BETA
6393	S20E14	214	0030	HRX	01	001	ALPHA
6394	N05W59	287	0030	BXO	04	003	BETA
6395	N16E73	155	1080	FKO	16	010	BETA
6396	S22W34	262	0030	BXO	03	005	BETA

NOTES: Area is in million square kilometers. Angular extent (LL) and solar longitude (LO) are in degree's. For more information regarding the terminology used above, request the Glossary of Solar Terrestrial Terms from: "std_oler@hg.uleth.ca".

H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AS OF 24:00 UT ON 01 DECEMBER.

REGION	LOCATION	LO	COMMENTS (IF ANY)
6389	N02W26	254	

ACTIVE REGIONS DUE TO RETURN BETWEEN 02 AND 04 DECEMBER

Region	Latitude	Longitude (Helio.)
6366	S21	101
6364	S30	129
6361	N08	131

NOTES:

For definitions regarding the above, request the "Glossary of Solar Terrestrial Terms" from "std_oler@hg.uleth.ca".

GRAPHICAL ANALYSIS OF RECENT GEOMAGNETIC ACTIVITY - BOULDER COLORADO

Cumulative Geomagnetic Activity History
Peak Geomagnetic Activity during the past 87 hours

```
     _________________________________________________________________
    |  EXTREMELY SEVERE |        |        |        |     | VERY HIGH! |
    | VERY SEVERE STORM |        |        |        |     | HIGH       |
    |      SEVERE STORM |        |        |        |     | MODERATE   |
    |       MAJOR STORM |        |        |        |     | MODERATE   |
    |       MINOR STORM |        |        |        |     | LOW        |
    |       VERY ACTIVE |        |        |        |     | NONE - LOW |
    |            ACTIVE |        |    *   |        |     | NONE       |
    |         UNSETTLED |*    ***| * *****|** *    |   **| NONE       |
    |             QUIET |** *****|********|********|  ***| NONE       |
    |        VERY QUIET |********|********|********|*****| NONE       |
    |-------------------|--------|--------|--------|-----|------------|
    | Geomagnetic Field |  Thu.  |  Fri.  |  Sat.  | Sun.|  Anomaly   |
    |    Conditions     |    Given in 3-hour intervals   | Intensity  |
    |_________________________________________________________________|
```

NOTES:

This graph ONLY depicts geomagnetic conditions observed at Boulder, Colorado for the past 87 hours. Conditions to the north of Boulder will generally have slightly higher activity than Boulder, while conditions to the south of Boulder will likely have lower activity than those depicted here. However, the plots should present a good approximate average of planetary geomagnetic conditions.

For information regarding the interpretation and/or use of these charts, send a request for the document "Understanding Solar Terrestrial Reports" to: std_oler@hg.uleth.ca. This document is still being prepared and is not yet available.

PLANETARY 10-DAY GEOMAGNETIC ACTIVITY OUTLOOK (02 DECEMBER - 11 DECEMBER)

```
    ________________________________________________________________________
   |  EXTREMELY SEVERE |   |   |   |   |   |   |   |   |   |   | VERY HIGH! |
   | VERY SEVERE STORM |   |   |   |   |   |   |   |   |   |   | HIGH       |
   |      SEVERE STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MAJOR STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MINOR STORM |   |   |   |   |   |   |   |   |   |   | LOW        |
   |       VERY ACTIVE |   |   |   |   |   |   |   |   |   |   | NONE - LOW |
   |            ACTIVE |   |   |   |   | * |   |   |   |   |   | NONE       |
   |         UNSETTLED |   |   | * |***|***|** | * | * |   |   | NONE       |
   |             QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |        VERY QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |-------------------|---|---|---|---|---|---|---|---|---|---|------------|
   | Geomagnetic Field |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|  Anomaly   |
   |    Conditions     |       Given in 8-hour intervals       | Intensity  |
   |________________________________________________________________________|
```

NOTES:

Predicted geomagnetic activity is based heavily on recurrent phenomena. Transient energetic solar events cannot be predicted reliably over periods in excess of several days. Hence, there may be some deviations from the predictions due to the unpredictable transient solar component.

GRAPHICAL ANALYSIS OF SOLAR ACTIVITY OVER THE PAST 60 DAYS

```
                   Cumulative Graphical Analysis of
                           Solar Activity
    ____________________________________________________________
242|                                                            | MOD.
235|                                        F = Major Flare(s)  | MOD.
227|           *                                                | MOD.
220|          ***  *                            *               | MOD.
212|          ***  *                  **      * *               | MOD.
205|         ****  *                  **      ***               | MOD.
197|       ******  *F                **** *  *****              | MOD.
190|      **********F                ******* *******            | LOW
182|*    ***********F*               ****************          *| LOW
175|*   ************F*               ******************       **| LOW
167|****************F**             *********************  * ***| LOW
160|****************F*** * *        *********************  *****| LOW
152|****************F**********    **********************F******| LOW
145|****************F********** * ***********************F******| LOW
137|****************F************************************F******| LOW
130|****************F************************************F******| LOW
    ------------------------------------------------------------
               Cumulative 60 day Solar Activity Record
                   Start Date:  October 4, 1990
```

NOTES:

Left-hand column digits represent the 10.7 cm solar radio flux obtained from Ottawa. The right-hand column describes the relative solar activity for that period based on the average number of major and minor flares that can be expected for related solar flux values. Plot lines labeled with the letter "F" represent days where at least one major flare occurred (ie. class M5 or greater flare).

GRAPHICAL 20-DAY SOLAR ACTIVITY PREDICTION

```
                           Solar Activity

 _________________________________________________________________
| 230 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 224 |  |  |  |  |  |  |  |  |  |  |  |  |**|**|  |  |  |  |  |  |
| 218 |  |  |  |  |  |  |  |  |  |  |  |**|  |  |**|  |  |  |  |  |
| 212 |  |  |  |  |  |  |  |  |  |  |**|  |  |  |  |**|  |  |  |  |
| 206 |  |  |  |  |**|**|  |  |  |  |  |  |  |  |  |  |**|  |  |  |
| 200 |  |  |  |**|  |  |**|  |  |**|  |  |  |  |  |  |  |**|  |  |
| 194 |  |  |**|  |  |  |  |**|**|  |  |  |  |  |  |  |  |  |  |  |
| 188 |  |**|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |**|  |
| 182 |**|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |**|
| 176 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 164 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 158 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 152 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 146 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|Solar|02|03|04|05|06|07|08|09|10|11|12|13|14|15|16|17|18|19|20|21|
|Flux |                        December                           |
 ----------------------------------------------------------------


HF RADIO SIGNAL PROPAGATION PREDICTIONS (02 DECEMBER - 11 DECEMBER)

                              High Latitude Paths
            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |   |   |   |   |   |   |   |   |   |   |
           |           GOOD |  *|  *|   |   |   |   |   |   |   |* *|
           |           FAIR |** |** |***|* *|  *|* *|* *|* *|***| * |
           |           POOR |   |   |   | * |** | * | * | * |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------

                             Middle Latitude Paths
            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |* *|* *|* *|   |   |  *|* *|* *|* *|* *|
           |           GOOD | * | * | * |* *|  *|** | * | * | * | * |
           |           FAIR |   |   |   | * |** |   |   |   |   |   |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------

                                Low Latitude Paths
            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |***|***|***|* *|  *|* *|***|***|***|***|
           |           GOOD |   |   |   | * |** | * |   |   |   |   |
           |           FAIR |   |   |   |   |   |   |   |   |   |   |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------

NOTES:
       High latitudes >= 55       degree's north latitude
     Middle latitudes >= 40 < 55  degree's north latitude
        Low latitudes  < 40       degree's north latitude



POTENTIAL VHF DX PROPAGATION PREDICTIONS (02 DECEMBER - 11 DECEMBER)
   INCLUDES SID AND AURORAL BACKSCATTER ENHANCEMENT PREDICTIONS

                   HIGH LATITUDES

 __________________________________________________      ___________________
|  SIGNAL   | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT   |
| QUALITY   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   |   |   |   |   |   |   |   | 20%| | | | | | | | | |*|
|    NORMAL|***|***|***| **| **|***|***|***|***|***| 40%| | | | | | | | | | |
|BELOW NORM|   |   |   |*  |*  |   |   |   |   |   | 60%| | | | | | | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% |   |   |   |  *|* *|   |   |   |   |   | 40%| | | | |*| | | | | |
|      20% |* *|* *|* *|***|***|***|* *|* *|* *|* *| 20%| | |*|*|*|*| |*|*| |
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|


                  MIDDLE LATITUDES

 __________________________________________________      ___________________
|  SIGNAL   | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT   |
| QUALITY   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   |   |   |   |   |   |   |   | 20%| | | |*|*|*|*|*|*|*|
|    NORMAL|***|***|***|***|***|***|***|***|***|***| 40%| | | | | | | | | |*|
|BELOW NORM|   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% |   |   |   |   |   |   |   |   |   |   | 40%| | | | | | | | | | |
|      20% |   |   |   |* *|* *|   |   |   | * | * | 20%| | | |*|*| | | | | |
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|
```

```
                    LOW LATITUDES
 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   |   |   |   |   |   |   |   | 20%| | | |*|*|*|*|*|*|*|
|    NORMAL|***|***|***|***|***|***|***|***|***|***| 40%| | | | | | | | | |*|
|BELOW NORM|   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% |   |   |   |   |   |   |   |   |   |   | 40%| | | | | | | | | | |
|      20% |   |   |   | * | * | * | * | * | * | * | 20%| | | | | | | | | | |
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|
```

NOTES:

These VHF DX prediction charts are defined for the 50 MHz to 220 MHz bands. They are based primarily on phenomena which can affect VHF DX propagation globally. They should be used only as a guide to potential DX conditions on VHF bands. Latitudinal boundaries are the same as those for the HF predictions charts. For more information, request the document "Understanding Solar Terrestrial Reports" from: "std_oler@hg.uleth.ca". This document is still being prepared and is not yet available.

AURORAL ACTIVITY PREDICTIONS (02 DECEMBER - 11 DECEMBER)

```
                            High Latitude Locations
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   |   |   |   |   |   |   |   |
           |       MODERATE |   |   |   | * | * |   |   |   |   |   |
           |            LOW |   |   |***|***|***|***|***|***| * |   |
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------

                          Middle Latitude Locations
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   |   |   |   |   |   |   |   |
           |       MODERATE |   |   |   |   |   |   |   |   |   |   |
           |            LOW |   |   |   | * |***| * |   |   |   |   |
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------

                             Low Latitude Locations
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   |   |   |   |   |   |   |   |
           |       MODERATE |   |   |   |   |   |   |   |   |   |   |
           |            LOW |   |   |   |   |   |   |   |   |   |   |
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------
```

NOTE:

For more information regarding these charts, send a request for the document, "Understanding Solar Terrestrial Reports" to: std_oler@hg.uleth.ca. This document is currently being prepared and is not yet available.

** End of Report **

From 6419166900594910089
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2a2517467ed45f47
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 08:14:36 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!srhqla!denwa!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: prosigns for female ops
Message-ID: <279@bongo.UUCP>
Date: 3 Dec 90 03:41:16 GMT
References: <40532@ut-emx.uucp> <47021@apple.Apple.COM>

Reply-To: julian@bongo.info.com (Julian Macassey)
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 24
Posted: Mon Dec 3 04:41:16 1990
Summary:
Expires:
Sender:
Followup-To:

In article <47021@apple.Apple.COM> kchen@Apple.COM (Kok Chen) writes:
>
>No more than your name is confusing to a furriner, Derek/OM.
>

But then to a Swede, to see a porn movie or a regular move where the girl is called Bo Derek can be very confusing. To some cultures the question is whether Bo or Derek is the given name. There may be some CW ops who fantasize that Derek has blond hair, blue eyes and a reasonable pair of 36Cs. This may account for his success in nabbing the DX.

I just wish people would not come back to me as "Juliet". One station did it to me for three years.

Then what are we going to do with all the Kims, Leslies, Robins and for total confusion Jeans. Then we have all the Hippy names like: Free, Chastity, Moon Unit, Dweezle, Keefer, and Quinn. The sex of these names is anyones guess.

This at least is a change from the usual CW flamage.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From -8664174155173870069
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc25c63d5fac82c5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 08:14:44 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!srhqla!denwa!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: morse code. (How would you handle Chinese characters?
Message-ID: <280@bongo.UUCP>
Date: 3 Dec 90 03:49:54 GMT
References: <1990Dec1.093327.12316@lth.se> <113902@philabs.Philips.Com>
<47020@apple.Apple.COM>
Reply-To: julian@bongo.info.com (Julian Macassey)
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 36
Posted: Mon Dec 3 04:49:54 1990
Summary:

Expires:
Sender:
Followup-To:

In article <47020@apple.Apple.COM> kchen@Apple.COM (Kok Chen) writes:
>rfc@briar.Philips.Com (Robert Casey) writes:
>
>>This talk about other alphabets in "morse" code got me wondering how the
>>Chinese would do a code. Assuming that they don't use ASCII or other
>>alphabets. Imagine that the guy who invented the concept of Morse code was
>>Chinese and had enough technology available. What would he have done?
>
>
>She would possibly have used PinYin. Except a rearrangement of the
>codes so that D. A. Huffman won't fall on the floor laughing. Have
>you noticed how often Qs and Xs pop up in PinYin? Won't be right
>assigning long chains of dahs and dits for those characters now,
>would it? :-) :-)
>
>Didit.
>

I would assume that what would be used in CW is "Chinese Code". In the TELEX world, there is a code book that assigns a 4 digit number to each Chinease character. This way a simple baudot machine can send Chinese. Of course in the old days of 3 In 1 oil and TELEX machines, this translation to and from was tediously done by hand. I assume today that a simple piece fo software running on a graphics machine like a Macintosh could do it on the fly. Fifty baud is not really flying, so any machine should be able to keep up.

TELEX for those of you who have not seen the clanking monsters that sat in the back of every self respecting European office is landline RTTY. Same machines, same protocol.

Now I making an assumption. Maybe someone really knows what the People's Liberation Army of the PRC really uses for CW purposes.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From -609245512599623179
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0aaa3358b071a9a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 08:57:36 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!sdd.hp.com!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: Re: Zepp Antennas
Message-ID: <58130003@hpcupt1.cup.hp.com>

Date: 3 Dec 90 16:57:36 GMT
References: <1990Dec2.223924.8533@informix.com>
Organization: Hewlett Packard, Cupertino
Lines: 6
Posted: Mon Dec 3 17:57:36 1990

Well it works, so it must be okay! My 80 meter antenna is somewhat bent
and wrapped around the yard, not exactly as described in antenna books.
But it works okay! Moral - any antenna is better than no antenna.
73's
Jim, WA6SDM
jholly@hpcupt1.cup.hp.com

From 3119755433267398657
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b33768455025e352
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 09:55:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpda!hpcuha!aspen!hpcc05!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Re: Alinco 2M/440 Xcvr with DTMF control
Message-ID: <27080031@col.hp.com>
Date: 3 Dec 90 17:55:10 GMT
References: <27080030@col.hp.com>
Organization: HP Colorado Springs Division
Lines: 7
Posted: Mon Dec 3 18:55:10 1990

Oops. There is already a basenote started on this subject,
entitled "Dr-590 results (long)"

Sorry.

Bob KB0CY

From -6328883924977022167
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,add5ba744dd1d24,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,add5ba744dd1d24,start
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-03 10:07:10 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: Call for Discussion: rec.ham-radio.legal
Message-ID: <24056@ucsd.Edu>
Date: 3 Dec 90 14:38:40 GMT

References: <9011302154.AA12661@turbo.bio.net>
Followup-To: news.groups
Organization: The Avant-Garde of the Now, Ltd.
Lines: 4
Xref: gmdzi news.groups:23158 rec.ham-radio:17377
Posted: Mon Dec 3 15:38:40 1990

Just a note for those people living on the Internet mailing list gatewayed with the rec.ham-radio Usenet newsgroup: if this new newsgroup is created, traffic in it will not be included in the info-hams digest.
     - Brian

From -6790503867358142448
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,add5ba744dd1d24
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 100be6,59008deb5cffb7ac,start
X-Google-Attributes: gid100be6,public
X-Google-ArrivalTime: 1990-12-03 10:43:44 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!bionet!turbo.bio.net!lear
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: news.announce.newgroups,rec.ham-radio
Subject: Call for Discussion: rec.ham-radio.legal
Message-ID: <9011302154.AA12661@turbo.bio.net>
Date: 3 Dec 90 08:50:48 GMT
Sender: lear@turbo.bio.net
Followup-To: news.groups
Lines: 49
Approved: lear@turbo.bio.net
Xref: gmdzi news.announce.newgroups:721 rec.ham-radio:17378
Posted: Mon Dec 3 09:50:48 1990

GROUP NAME: rec.ham-radio.legal

MODERATED: No

PURPOSE: The group is intended to provide a place for discussing any and all subjects having to do with laws, rules, and regulations affecting amateur radio and hams, both current and proposed.

The rationale for the group is simple: rec.ham-radio postings fall into two categories - controversial and non-. There has been much discussion in the past several weeks about what to do with the seemingly never-ending flame wars over the same few subjects, such as whether or not a class of license that doesn't require passing a code test should be created; the legality of modifying ham equipment to transmit out of the amateur bands; the permissibility of using electronic equipment on airplanes; and other issues that generate more heat than light. These discussions share one thing in common: they all relate to the rules and regulations governing the amateur radio service.

The new group has been discussed in rec.ham-radio, and, by and large, has received no serious opposition. Most comments received that did not support the proposal instead suggested a rec.ham-radio.tech group, for technical ham radio discussions. I do not believe that that's the best answer. There are a number of activities in ham radio that are not technical in nature; a rec.ham-radio.tech group would move the technical discussions away from the controversy, but would leave the non-technical, but non-controversial, discussions in with all the legal and controversial ones.
The proposed rec.ham-radio.legal group doesn't suffer from this flaw.
Agreement is pretty general among the readers of rec.ham-radio that something needs to be done, and I (and many others) feel this is the best solution.

The Call for Discussion is being mailed, per the Guidelines for Newsgroup Creation, to the moderator of news.announce.newgroups on Friday, 30 November 1990. Assuming that it is posted to that group on Monday, 3 December, the discussion period will last for 28 days, ending on Monday, 31 December 1990.
If a vote is appropriate after discussion, it will be called for at that time.
I anticipate that such a vote would run for 21 days, from 31 December 1990 until 21 January 1991.
Please note that voting is not appropriate at this time; calm, reasoned discussion is. Please post any discussion you may have, pro or con, to news.groups.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
"With design like this, who needs bugs?" - Boyd Roberts

From -2884696715916070821
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e9afc4dc7fc9bbb1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 10:52:23 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!lynx.northeastern.edu!sehrlich
From: sehrlich@lynx.northeastern.edu
Newsgroups: rec.ham-radio
Subject: rec.ham
Message-ID: <memo.596170@lynx.northeastern.edu>
Date: 3 Dec 90 18:52:23 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Mon Dec 3 19:52:23 1990

Does anyone know the Internet address for sending messages to the Rec.Ham-Radio journals? (Rec.Ham-Radio.Swap, Rec.Ham-Radio.Packet, etc.)

Thanks.

73s de KA1WNU/KT (Scott@Lynx.Northeastern.edu)

From -397889116104635185
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d794d340f40a3a0b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10a148,d794d340f40a3a0b,start
X-Google-Attributes: gid10a148,public
X-Google-ArrivalTime: 1990-12-03 11:35:36 PST
Xref: utzoo rec.ham-radio:27597 sci.space.shuttle:6760
Path: utzoo!utgpu!news-server.csri.toronto.edu!cs.utexas.edu!wuarchive!usc!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio,sci.space.shuttle
Subject: NASA Select coverage of SAREX
Keywords: SAREX, video report
Message-ID: <47050@apple.Apple.COM>
Date: 3 Dec 90 19:35:36 GMT
Distribution: na
Organization: Apple Computer Inc., Cupertino, CA
Lines: 28

I was just informed by the SAREX coordinator at ARRL that NASA plans to show some video of Ron Parise's amateur radio activities this Thursday evening.

Scheduled time for "Mid-deck activities: SAREX" is 6:04 p.m. PST on Thursday, December 6th.

Early reports are that Ron successfully talked to his dad yesterday via a direct contact, but there were problems this morning with the more complicated linkup between a couple of U.S. schools and the shuttle via a ground relay station in Brazil. Cross fingers that everything gets straightened out in time for Tuesday's scheduled school contacts. (They're going to try to reschedule the schools that missed out this morning.)

Also, more than 200 hams have made contact with the robot packet-radio system. I watched at 2:20 a.m. local time this morning as our own netperson Mike Chepponis, K3MC, became contact #116. Ron is in his sleep period now but will be starting up the robot again this evening.

Patty

```
--
*****************************************************************************
Patty Winter N6BIS                        INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                     UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From -739324709186314433
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c045372d07b88261
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 11:54:08 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!burdvax!techpubs
From: techpubs@PRC.Unisys.COM (Technical Pub. Vince Short)
Newsgroups: rec.ham-radio
Subject: Re: SAREX Operating Schedule in UTC
Message-ID: <15829@burdvax.PRC.Unisys.COM>
Date: 3 Dec 90 19:54:08 GMT
References: <15813@burdvax.PRC.Unisys.COM>
Organization: Unisys Corporation, Paoli Research Center; Paoli, PA
Lines: 18
Posted: Mon Dec 3 20:54:08 1990

DOUBLE OOPS?

Upon third reading of the Sarex schedule I posted, seems a few UTC values didn't want to cooperate and remained at zero. Read these UTC values for these three MET times:

MET	UTC
2 20 30	5 3 19
5 8 45	7 15 34
7 19 0	10 1 49

As always: If at first you don't succeed . . .

Joseph M. Fedock N3IE
Unisys/DS/EISG/VFL
Paoli, PA 19301
(215) 648-2495
techpubs@PRC.Unisys.COM

From -198297231415563834
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6d791d7917a1c31d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 12:37:47 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: The Hate Herbie Net
Keywords: 20 meter mess
Message-ID: <47056@apple.Apple.COM>
Date: 3 Dec 90 20:37:47 GMT
References: <1990Dec1.064203.3875@lopez.UUCP> <1990Dec3.174656.27983@dcdwest.uucp>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 16
Posted: Mon Dec 3 21:37:47 1990

plb@dcdwest.uucp (Phil Blais) writes:

>Assuming there is an after life (aka heaven/hell) and assuming St. Peter
>was/is a ham, maybe these clowns will someday reap their just rewards.
>I envision an isolated island somewhere with only 2 mtr lo power single
>channel HT's (no repeaters or beams allowed), throw in K1MAN and his
>constant dribble and let them have at it. Forever is a long time :-)

Check this month's QST for news on what the FCC did to fellow
netperson K1MAN. Sometimes, you do not have to wait for st. Peter.

73 and happy holidays,

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From -2438477329314299743
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7cd79de8562f0e88,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 12:42:01 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!hls.com!trop
From: trop@hls.com (Troy T. Pummill)
Newsgroups: rec.ham-radio
Subject: updated STS35 orbital elements
Message-ID: <9012031624.AA29714@hls.com>
Date: 3 Dec 90 16:24:46 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 33
Posted: Mon Dec 3 17:24:46 1990

Here is an updated element from sci.space

======

Here are the Keplerian elements for STS-35. These were generated from
a state vector taken after several orbits.
--GaryM

Keplerian Element Set

```
STS-35
1 00035U          90336.79098368  .00031000  00000-0  22174-3 0   128
2 00035  28.4663   1.3798 0008796 274.8693 151.1556 15.72186065    90
```

Satellite: STS-35
Epoch time: 90336.79098368

```
Element set:     JSC-012
Inclination:       28.4663 deg          Space Shuttle Flight STS-35
RA of node:         1.3798 deg              Keplerian Elements
Eccentricity:     .0008796              from NASA Tracking Ephemeris
Arg of perigee:   274.8693 deg
Mean anomaly:     151.1556 deg
Mean motion:   15.72186065 rev/day                   W5RRR
Decay rate:       3.10E-04 rev/day^2      NASA Johnson Space Center
Epoch rev:               9
```

--
Gary Morris   Internet: lobster!lescsse!gamorris@menudo.uh.edu
Lockheed (LESC), A22   UUCP: lobster!lescsse!gamorris
Space Station Freedom   NASAmail: gmorris/jsc/nasa
Houston, Texas   Internet: gmorris@nasamail.nasa.gov

From -7402772175413899444
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e669aaee0430e3a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 12:47:50 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: EDMEESE
Message-ID: <664.275A3EE5@w8grt.fidonet.org>
Date: 3 Dec 90 16:57:00 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 12
Posted: Mon Dec 3 17:57:00 1990

Someone asked where to get the EDMEESE program. (I lost the message, so I can't reply by e-mail.) Anyhoo, it's widely available on Fidonet type BBSes and deals with the Fidonet FTS-0001 format messages. An equivalent for Unix boxes ought to be easy to put together with AWK.

However, for those who ARE using FTS-0001 format, I'll pick up up a copy of EDMEESE.EXE pass it along using e-mail and uuencode to those who request it.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -9016340875524452089
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 12:51:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!asuvax!anasaz!qip!john

From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Another look at Radar Detector Legality for Hams
Message-ID: <5592@qip.UUCP>
Date: 3 Dec 90 00:01:28 GMT
References: <655.2758ED18@w8grt.fidonet.org>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 15
Posted: Mon Dec 3 01:01:28 1990

In article <655.2758ED18@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
]Speaking as a retired police dispatcher, I can assure you that it is not
]uncommon for officers to "run radar" with the full knowledge and intent that
]tripping fuzzbusters will slow things down. Sometimes on holidays, this is the
]SOLE purpose.

This is, however, illegal - if you could ever prove it. The band is
allocated only for radiolocation - not for spoofing or broadcasting.
The FCC busted some police department back east for a similar violation.
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326 Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From 6783482818551916477
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f020d498c728d019,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,f020d498c728d019,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: fb6d4,f020d498c728d019,start
X-Google-Attributes: gidfb6d4,public
X-Google-Thread: 114aac,f020d498c728d019,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,f020d498c728d019,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 105d97,f020d498c728d019,start
X-Google-Attributes: gid105d97,public
X-Google-Thread: 10a89e,f020d498c728d019,start
X-Google-Attributes: gid10a89e,public
X-Google-ArrivalTime: 1990-12-03 14:23:11 PST
Xref: utzoo sci.electronics:16000 rec.ham-radio:27606 rec.ham-radio.packet:4808 rec.ham-radio.swap:1545 rec.radio.shortwave:4316
Path: utzoo!utgpu!news-server.csri.toronto.edu!rutgers!usc!wuarchive!csus.edu!ucdavis!csusac!monsoor
From: monsoor@csusac.csus.edu (Matt Monsoor)
Newsgroups: sci.electronics,rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,ba.forsale,sac.general,rec.radio.shortwave
Subject: SOLD!!

Message-ID: <1990Dec3.222311.8448@csusac.csus.edu>
Date: 3 Dec 90 22:23:11 GMT
Distribution: usa
Organization: California State University, Sacramento
Lines: 17

-> I am posting this for our Amateur Radio Club the 'River City ARCS'!
-> Have two(2) 'Systron Donner' Model 1626-01 MicroWave synthesizers (Sweep
-> Generators) for sale! They cover the range of 40 MHz to 27Ghz, have a
-> Digital Readout with DBM meter(Digital), and a IEEE 488 Remote Control Port.
-> They were Built in September 1982 and the warranty ended September 1983.
-> I understand that when they were new they cost around $20,000!

The above equipment has been sold!!! It sold in less than 12 hours from Posting here on the net!!!   Thanks to all who contacted us, it was on a FCFS.
(First Come First Sold)

```
--
+------------------------------------------------------------------------------+
|    Matthew G. Monsoor    |    UUPC:     {ucdavis|lll-crg}!csusac!monsoor    |
|      (916) 278-6288      |    Internet:  monsoor@csusac.csus.edu            |
+------------------------------------------------------------------------------+
```

From -4708969051558334908
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55883a9b0af5fc3a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 14:36:31 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins: Space Shuttle
Message-ID: <9012032236.AA12963@blackbird.afit.af.mil>
Date: 3 Dec 90 22:36:31 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Mon Dec 3 23:36:31 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current elements for the current shuttle mission are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
STS 35
1 20980U 90106  A 90337.78402777  .00035775  00000-0  25599-3 0    79
2 20980  28.4679 354.1588 0008868 290.3029   7.7376 15.72170789   249
```

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

From 3059249575052160101
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b33768455025e352
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 16:13:57 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!nddsun1!dover!darla!waters
From: waters@darla.sps.mot.com (Strawberry Jammer)
Newsgroups: rec.ham-radio
Subject: Re: Alinco 2M/440 Xcvr with DTMF control
Message-ID: <2477@dover.sps.mot.com>
Date: 3 Dec 90 15:51:06 GMT
References: <27080030@col.hp.com>
Sender: usenet@dover.sps.mot.com
Reply-To: waters@darla.sps.mot.com (Strawberry Jammer)
Organization: Hacker's haven
Lines: 79
Posted: Mon Dec 3 16:51:06 1990

In article <27080030@col.hp.com> bobw@col.hp.com (Bob Witte) writes:
{
{ There is a full-page ALINCO ad in Dec QST which claims that
{ their 2M/440 dual band transceiver (DR-590T) has DTMF remote control
{ capability as well as crossband repeater function. This sounded
{ interesting to me --- put a transceiver on a mountaintop,
{ use an HT on 440, crossband repeat onto 2meters.

I have one and overall am quite impressed.
Yes indeed you can use the radio as a crossbad repeater/remote base, but
there are a few "gotchas". You can do the same with a number of other rigs
too BTW and you might well find a cheaper one if that is the only thing
you really are after.

{ I called Alinco and got the following disappointing story.
{ Almost everything can be controlled remotely including power
{ level, crossband repeat on/off, frequency and memory recall.
{ The bad news is that the transmit offset cannot be selected.
{ (I never did get an answer to whether the rig automatically
{ choses offset on 2M. The guy said that "most repeaters in
{ the US have - offset.")

Your info is correct, but you DO need a $40 "DTMF control" option to do
this remotely, but you can do this from the DTMF mic. "out of the box".
Testing the functions using the local mic. can save you a lot of trouble
in getting set up!

The functions are 3 digit codes starting with a hex C (16 button
DTMF). The functions (in order) are: Cancel, VFO mode, Memory mode, CALL
mode, ARM mode, VHF main band, UHF main band, power level, up one Mhz, Down

one Mhz, set DSQ code, select DSQ code, set autodiater, select autodialer, transmit autodialer.

{ The Alinco guy's suggestion was to use the Memories instead.
{ (i.e. have all your favorite repeater freq's stored in memory
{ which does remember offset.) Only problem there is that the
{ memories can be selected only using "next memory up" and "next
{ memory down" control functions. There apparently is no "go to
{ a particular memory" function. This is OK until you forget
{ where you are.

I assume that "next memory up/down" corresponds to the "one Mhz up/down" in remote mode just like it does on the front panel. I haven't tried this.

Figuring out "where you are" is a problem with remote operation regardless of the mode that you are in though. I don't have a simple solution.

{ I found it hard to believe that they had such robust functionality
{ but left out some critical features.

They have done this is several areas, what is there is good but with just a few tweaks they could have been "the radio of the nineties". Hopefully they (or someone, maybe the FOX-Tango group?) will issue software upgrades to fix some of this. The potential performance is truly spectacular!

{ Can anyone confirm or deny what I've stated? Anyone have this
{ radio?

I hope this answers your questions. And Yes I do have the radio :-)

My plans are to use it as a mobile and then use my IC24AT to control it as a remote. Since I will generally be in the vicinity or returning to the car frequently (at least twice a day :-)), the remote operation can be relatively unsophisticated.

A couple of other problems though: (1) to enable cross-band repeat you must cut a wire that inhibits out of band operation. BOTH TX and RX! THat could be a real problem with remote operation. (2) THere is no easy way to have a "one way repeat" i.e. UHF-to-VHF only. THe reverse (VHF-UHF) will then block out your remote if you key up a repeater with a "tail". I excpect to use the PL option for this though (another $45 option :-( ).

Overall thoough it is a really nice rig, I do hope some ambitious group decides to put together fixes for some of the silly limitations though.

*Mike Waters   AA4MW/7 waters@dover.sps.mot.com *

There is no right way to do wrong.

From 7317992952297973304
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 16:18:23 PST
Path: gmdzi!unido!mcsun!uunet!samsung!interlan.InterLan.COM!interlan.interlan.com!
yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: Another look at Radar Detector Legality for Hams
Message-ID: <YETSKO.90Dec3095331@interlan.interlan.com>
Date: 3 Dec 90 14:53:31 GMT
References: <655.2758ED18@w8grt.fidonet.org> <5592@qip.UUCP>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 18
Posted: Mon Dec  3 15:53:31 1990
In-reply-to: john@qip.UUCP's message of 3 Dec 90 00:01:28 GMT
```

The FCC never busted any police departments back east. The only involvement I ever heard of with teh FCC and Police Radar was a complaint filed by a truckers group about police in Oregon setting up old defective radar units along the highway with solar cells. These units would still transmit but not receive. The units would then trigger the detectors in areas the police considered as hazardous, and caused traffic to slow.

The FCC became involved and the 2 (maybe 3) police departments discontinued the practice.

It is currently policy in at LEAST one state police and many local police departments to LEAVE RADAR ON during a traffic stop. This has been statistically shows to SIGNIFICANTLY reduce the number of officers injured during trafic stops. The FCC is mute on this, as well as various motorist groups, at least so far.

Mike Yetsko
N1DVJ

```
From 4672020356754002263
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,add5ba744dd1d24
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,b8373d50b5c3d866,start
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-12-03 16:23:16 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!
trantor.harris-atd.com!mlb.semi.harris.com!uflorida!haven!uvaarpa!murdoch!news
From: rja@edison.cho.ge.com (Randall Atkinson)
Newsgroups: news.groups,rec.ham-radio
Subject: Re: Call for Discussion: rec.ham-radio.legal
Message-ID: <1990Dec3.154652.26375@murdoch.acc.Virginia.EDU>
Date: 3 Dec 90 15:46:52 GMT
References: <9011302154.AA12661@turbo.bio.net>
Sender: news@murdoch.acc.Virginia.EDU
```

Reply-To: Randall Atkinson <rja@edison.cho.ge.com>
Followup-To: news.groups
Organization: GE-Fanuc North America
Lines: 35
Xref: gmdzi news.groups:23175 rec.ham-radio:17390
Posted: Mon Dec 3 16:46:52 1990

The notion of a separate group for legal/rules issues of Amateur "Ham" Radio seems to be a good one. Certainly it is an appropriate split of existing traffic.

I wish that there would be a smallish reorganisation of the whole Amateur Radio heirarchy to move it to be of the form:

rec.radio.amateur.*

rather than the existing

rec.ham-radio.*

The reasons for this are several:

1) The existing name predates the other rec.radio.* groups and getting the Amateur Radio area more consistent with other groups on similar topics helps make it easier for folks to find and post to the correct groups.

2) The net is sent world-wide and has much more international traffic than it did several years ago and many net.readers aren't familiar with jargon words in English like the term "Ham Radio" to mean Amateur Radio. The use of Amateur Radio avoids the use of jargon and makes it clearer to all folks what the topics of discussion are there.

Perhaps there could be an independent vote on renaming the heirarchy piggy-backed onto Jay's proposal so that the two ideas would be voted on separately as part of the same ballot. I don't know how Jay feels and my idea is very much a trial balloon, but I'd like to at least see it be thought about by the interested parties...

Regards,

Randall
rja@edison.cho.ge.com

From -3339976005718055266
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6d791d7917a1c31d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 16:27:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!ucsd!network.ucsd.edu!dcdwest!plb
From: plb@dcdwest.uucp (Phil Blais)
Newsgroups: rec.ham-radio

```
Subject: Re: The Hate Herbie Net
Keywords: 20 meter mess
Message-ID: <1990Dec3.174656.27983@dcdwest.uucp>
Date: 3 Dec 90 17:46:56 GMT
References: <1990Dec1.064203.3875@lopez.UUCP>
Organization: ITT Defense Communications Division - West
Lines: 26
Posted: Mon Dec  3 18:46:56 1990

In article <1990Dec1.064203.3875@lopez.UUCP> flash@lopez.UUCP (Gary Bourgois)
writes:
>
>The 20 meter mess has taken a new turn.  Herb KV4FZ and his BARF group
>have something else to take on, namely a new group.  One with no
>official name.  These guys started the 14.313 Peace Coalition net a
>couple months ago.  They moved up from 3894.5.  Originally they tried to
>talk to the Barf Group, but incompatabilities arose, and since both
>groups have "strong personalities", what has resulted is two groups that
>refuse to talk to one another, and if a member of one group happens to
>transmit while the other group has control of the frequency, they scream
>MALICIOUS INTERFERENCE, and they call the FCC.  This is, of course going
>to do our hobby no good at all.
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

...<Remainder Deleted>...


Assuming there is an after life (aka heaven/hell) and assuming St. Peter
was/is a ham, maybe these clowns will someday reap their just rewards.
I envision an isolated island somewhere with only 2 mtr lo power single
channel HT's (no repeaters or beams allowed), throw in K1MAN and his
constant dribble and let them have at it. Forever is a long time :-)
--
phil blais  N6KXD (ex WD6ETL)     ITT    Aerospace Communications Division
dcdwest!plb@ucsd.edu            DEFENSE    10060 Carroll Canyon Road
ucbvax!ucsd!dcdwest!plb                       San Diego, CA 92131


From 6563165901293924309
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1f32be89a7e69db3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 16:31:19 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!xanadu!jeff
From: jeff@xanadu.com (Jeff Crilly N6ZFX)
Newsgroups: rec.ham-radio
Subject: Re: Re: Allmods for Allmost Everything, Part II VERY long!
Message-ID: <1990Dec3.182509.12207@xanadu.com>
Date: 3 Dec 90 18:25:09 GMT
References: <1379@radius.com> <27080029@col.hp.com>
Organization: AMIX Corporation, Palo Alto, CA
Lines: 22
Posted: Mon Dec  3 19:25:09 1990
```

In article <27080029@col.hp.com> kenw@col.hp.com (Ken Wyatt) writes:

>Go ahead and get the 2SAT...
>
>To open up the receive range:
>
>1) turn off radio
>
>2) press and hold the "B", "#", and "Light" keys
>
>3) use your third hand(!) and turn the radio on. Keep the keys pressed until the display settles out (2-3 seconds).
>
>You now have 118-136 am, 136-400 (about?) fm. Any frequency may be stored into the memory channels. Nice radio.

Uh...136-400 ?? I think there are some freqs up above 170 or so that you can receive, but I receive NOAA weather at 232.175. I think this is an image of 162.4. There isn't NOAA weather up there, is there?

Jeff Crilly (N6ZFX)
AMIX Corporation 2345 Yale Street Palo Alto, CA 94306
jeff@markets.amix.com, {uunet,sun}!markets!jeff, N6ZFX@N6IIU.#NOCAL.CA.USA

From -2610142355581607351
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c24186d120e97f1d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 16:31:50 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!ucsd!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: ICS Electronics Ltd.
Message-ID: <03.Dec.90.15:36:29.GMT.#8864@UK.AC.NWL.IA>
Date: 3 Dec 90 15:34:17 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Mon Dec 3 16:34:17 1990

Someone recently asked about ICS Electronics ltd; their current address is:

ICS Electronics Ltd.
Unit 5
Rudford Industrial Estate
Ford
Arundel
West Sussex
BN18 0BD
England

Phone: 0903 731101

ICS seem nowadays to act as retailers for AEA gear, although they used
to produce hardware in their own name.

Pete Lucas G6WBJ   G6WBJ@GB7SDN.GBR.EU PJML@UK.AC.NWL.IA 0793-411613

From 7807974131661440467
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88bf3c1b5528c7e7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 16:37:35 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!bcm!lib!
thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: any info on oscar-21 launch
Message-ID: <4407@lib.tmc.edu>
Date: 3 Dec 90 19:50:52 GMT
References: <677@kb2ear.UUCP> <825@idacrd.UUCP>
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 15
Posted: Mon Dec 3 20:50:52 1990
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <825@idacrd.UUCP> mac@idacrd.UUCP (Robert McGwier) writes:
>From article <677@kb2ear.UUCP>, by n2aam@kb2ear.UUCP (Dave Marthouse N2AAM):
>> Has anyone in netland heard if the soviets have
>> launched Oscar-21 Rs-14? It was going to happen around the 29th of Novenber.
>Delayed until January 9, 1990 so some DAMN Soviet dignitary could witness
>the launch.

What's wrong with that? At least some high government official SOMEWHERE cares
about ham radio, even if the FCC doesn't.

Besides, it'll give me a chance to come up with a cheap 2 meter all-mode rig.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
"...flames are a specific art form of Usenet..." -- Gregory C. Woodbury

---

From 6666417667860756878
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7382706b70114ff1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 16:38:48 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!ucsd!ucbvax!LL.MIT.EDU!JORDAN
From: JORDAN@LL.MIT.EDU ("Mike Jordan G4ASQ/KC1RP")
Newsgroups: rec.ham-radio

Subject: Un-Net, Packet Question
Message-ID: <9012031322.AA28474@LL.MIT.EDU>
Date: 3 Dec 90 18:22:30 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25
Posted: Mon Dec 3 19:22:30 1990

I had a lot of fun in the Un-Net this Saturday. Many thanks to Alan, K6XO for his sterling work as net control under some very difficult conditions. We experienced some very variable propagation, as well as some very confused non-net hams who kept checking in (& out !) I'm only sorry I had to leave before the DX checked in, I would like to work Tobago & Guantanamo Bay on 10 sometime..

I presume the net will be pre-empted by the contest next weekend, but lets hear from some more people the week after.

I have a question about packet. If I intend to run TCP/IP, and use Phil Karn's NET-PC package, it seems that I will end up putting the TNC into 'dumb mode' and basically using it as a modem. I haven't bought a tnc yet, and it seems I don't really need one. Am I right in thinking that all I have to do is build a modem that turns 2 tones into high & low levels on an RS232 line, and connect it to the PC? (levels to tones for transmitting).   Why should anyone spend hundreds of $$ on a tnc when the PC can do the work, assuming you already have one.

Can anyone point me to a circuit they have used successfully with the NET-PC program? I can probably handle the modem part, but presumably there is some handshaking protocol that has to be done correctly.

Thanks and 73
Mike KC1RP

From -6407103708598130423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88bf3c1b5528c7e7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 18:03:30 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: any info on oscar-21 launch
Message-ID: <825@idacrd.UUCP>
Date: 3 Dec 90 17:46:23 GMT
References: <677@kb2ear.UUCP>
Organization: idacrd, princeton, nj
Lines: 20
Posted: Mon Dec 3 18:46:23 1990

From article <677@kb2ear.UUCP>, by n2aam@kb2ear.UUCP (Dave Marthouse N2AAM):
>

> Has anyone in netland heard if the soviets have
> launched Oscar-21 Rs-14? It was going to happen around the 29th of Novenber.
> Any information would be appreciated.
>
> Dave Marthouse
>

Delayed until January 9, 1990 so some DAMN Soviet dignitary could witness
the launch.

Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

```
From 2310489240629581887
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0cab89724683f8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,c0cab89724683f8
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f5cc0,c0cab89724683f8
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-12-03 18:03:40 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!ucsd!qualcom.qualcomm.com!fpa
From: fpa@qualcomm.com (Franklin Antonio)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.space
Subject: Re: * SpaceNews 03-Dec-90 *
Keywords: Keplerian Data Defined
Message-ID: <1990Dec3.183522.25647@qualcomm.com>
Date: 3 Dec 90 18:35:22 GMT
References: <378@ka2qhd.UUCP>
Reply-To: antonio@drzeus.qualcomm.com (Franklin Antonio)
Organization: Qualcomm Inc., San Diego, CA
Lines: 24
Xref: gmdzi rec.ham-radio:17397 rec.ham-radio.packet:3140 sci.space:17934
Posted: Mon Dec  3 19:35:22 1990
```

In article <378@ka2qhd.UUCP> kd2bd@ka2qhd.UUCP (John Magliacane) writes:
>* MINI-TUTORIAL *
>=================
>The first person to investigate elliptical orbits thoroughly was the
>mathematician and astronomer Kepler. He formulated a set of rules for
>elliptical orbits and was able to demonstrate that all planets followed
>such orbits in their motions around the sun. Over 100 years later, orbital
>elements defined by Kepler are still being used by astronomers and satellite
>trackers worldwide.

Actually, it was a __long__ time ago. Kepler published his work on elliptical motion in "seu Physica coelestis tradita commetariis de motibus stellae Martis" in 1609! This contained the first two laws: orbits are ellipses, and equal area = equal time. In 1619, he published "De Harmonice Mundi", containing the third law, which relates distance to orbit period. In 1620, his mother was arrested for witchcraft.

So, the basic work was done 371 years ago! This is one of the humbling things about celestial mechanics. I'm sure I wouldn't have been able to figure this out, yet Kepler did it 371 years ago. Obviously, he didn't have computers. Most people don't realize that he didn't even have the benefit of a telescope. The telescope was invented around 1609; Galileo pulblished in 1610. The observations that Kepler used to develop his theory were made by Tycho Brahe, many years earlier.

From 2172184052980465854
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9fa37496daec42dd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 19:04:31 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!WABASH.BITNET!PERRYR
From: PERRYR@WABASH.BITNET (GWYFFD)
Newsgroups: rec.ham-radio
Subject: Amtrak Thanks.
Message-ID: <9012032331.AA18043@ucsd.edu>
Date: 3 Dec 90 23:30:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Tue Dec 4 00:30:00 1990

Well... I just wanted to thank everyone who had given me help on Amtrak information. I'll be "train mobile" Dec 14-15, QSL via buro, pls... (hee hee I'm not serious). It should be a lot of fun... Maybe next time if this works, I'll rig up my 747 and see if HF will work too....

On another note, I will be leaving school after this semester and will no longer have access to a BITnet node. I know that there are a couple of ways I can still access from the "private sector", but I'm not sure about any of them. I have my own PC and might be able to get access to a FIDOnet node.... I'll be in the NYC (516 area code) area. Any suggestions?

73's for now....

Todd Perry

PERRYR@WABASH

From 2790145695200427223

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b3c28b8b6f8f125,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 20:22:59 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!
ucbvax!LEAV-EMH.ARMY.MIL!RTDIMO%GOR1
From: RTDIMO%GOR1@LEAV-EMH.ARMY.MIL (Larry Carr)
Newsgroups: rec.ham-radio
Subject: Space Shuttle orbital data elements
Message-ID: <9012040147.AA05755@ucsd.edu>
Date: 4 Dec 90 00:46:40 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 2
Posted: Tue Dec  4 01:46:40 1990

could someone post to net the correct Kepelerian data for the two
shuttle missions in progress? Thanks.


From 777044878774932920
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8321fc3535fbd153
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 23:33:03 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!
emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Loading up a tower for 40/80/160M
Keywords: Tower, 40M, 80M, 160M, antenna
Message-ID: <1648@ke4zv.UUCP>
Date: 4 Dec 90 03:29:48 GMT
References: <2829@lupine.NCD.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 23
Posted: Tue Dec  4 04:29:48 1990

In article <2829@lupine.NCD.COM> phil@hansen.Berkeley.EDU (Phil Graham) writes:
>I am looking to load up my 55 ft crank up tower for 40. 80 and 160M.
>
>As anyone actually done this and if so what type of matching system did
>you use?  I do not mind using my antenna tuner, but I would of course
>like to have a closer match at the antenna so that I do not burn too
>much power in the coax.
>
>Any input is welcome!
>
>Phil
>phil@ncd.com

I've fed my tower, a seventy foot Rohn 25 tower with a tri-bander as a
```

top hat, using a gamma match. I made the gamma rods from 1/2" EMT spaced 6" from a tower leg using PVC pipe. I used three gamma rods, one each for 160m, 80m, and 40m. One rod per leg of the tower. I used remotely tuned gamma capacitors. It worked pretty well on transmit, but atmospheric noise on receive forced me back to horizontal antennas. I now use a 535 foot horizontal loop mounted 55 feet up. I feed it with ladder line and a tuner. Works nice.

Gary KE4ZV

From -6762873135091442729
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96f96cb9808e4586
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 02:24:10 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!nddsun1!dover!darla!waters
From: waters@darla.sps.mot.com (Strawberry Jammer)
Newsgroups: rec.ham-radio
Subject: Re: CW Questions from a novice
Keywords: CW
Message-ID: <2478@dover.sps.mot.com>
Date: 3 Dec 90 16:09:21 GMT
References: <815@idacrd.UUCP> <1990Nov29.033524.23715@informix.com> <4454@altos86.Altos.COM>
Sender: usenet@dover.sps.mot.com
Reply-To: waters@darla.sps.mot.com (Strawberry Jammer)
Organization: Hacker's haven
Lines: 34
Posted: Mon Dec 3 17:09:21 1990

In article <4454@altos86.Altos.COM> jerry@altos86.UUCP (Jerry Gardner) writes:
{In article <1990Nov29.033524.23715@informix.com> randall@informix.com (Randall Rhea) writes:
{
{>1) How do I answer a CQ? I hear a guy calling CQ, and I want to answer him,
{>but how? What do I send? Like I say, I'm pretty ignorant.

[a lot of good suggestions deleted]

{15 meters is good during the day, and sometimes to surprisingly late into
{the evening. Since you have an advanced ticket, you can use any HF band
{you want--just call CQ at a low speed. Just about everyone will try to
{match your speed when they answer you. Or search for someone else calling
{CQ at a speed you can copy. You'd be surprised at how much slow-speed
{CW activity there is, even on 20 meters.

One point you should find quickly by listening a while, but is still worth mentioning, is that there is a general convention for speeds to get higher as one goes towards the low end of a band. Not a "hard and fast" rule, but dont try calling CQ at 10 Wpm on 14.026 for example (or 14.005 for extras). You will find the speeds and general sophistication MUCH higher there than at say 14.110. For your first few CW QSOs though the 40/80 meter novice bands are hard to beat, just don't be afraid to try other frequencies once you get the hang of it!

If you are persistant enough to learn to do it well I think you will find that CW has some VERY unique advantages that make it a whole lot of fun.

Oh yes, after all that I STILL favour a no-code license! THere is room for both IMHO.

*Mike Waters   AA4MW/7 waters@dover.sps.mot.com *

There is no right way to do wrong.

From -7793883497607472920
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,174a1b19336fd0f6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 133d4e,174a1b19336fd0f6,start
X-Google-Attributes: gid133d4e,public
X-Google-Thread: 13ce86,174a1b19336fd0f6,start
X-Google-Attributes: gid13ce86,public
X-Google-ArrivalTime: 1990-12-04 05:52:51 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!bluemoon!jamaass
From: jamaass@bluemoon.uucp (Jeffrey A. Maass)
Newsgroups: rec.ham-radio,fido.ham-radio,fido.packet
Subject: ARRL 160 Meter Contest Results
Keywords: 160 Meters, Contest, Top Band
Message-ID: <s3qNT1w163w@bluemoon.uucp>
Date: 4 Dec 90 13:52:51 GMT
Sender: bbs@bluemoon.UUCP
Followup-To: rec.ham-radio
Organization: Blue Moon BBS ((614) 868-9980/2/4)
Lines: 35
Xref: gmdzi rec.ham-radio:17521
Posted: Tue Dec 4 14:52:51 1990

November 30-December 2 marked the 21st Annual ARRL 160 Meter Contest, and for the 21st year our group participated as a multi-single station.

Our call this year was K1LT (Calls also used in the past were W8LT and K8ND), and our final results are listed below:

QSOs: 958
Mults: 85 (Missed KV4, VE5, VE8/VY1; 11 DX countries)
Score: 165,665

Operation was from the Ohio State University Radio Observatory north of Columbus Ohio, with participation by K1LT, K8ND, NZ4K, KU8E, and KC8MK.

Station was Drake C-Line (R4C heavily retrofitted) and 8877 amplifier.

Transmitting antenna was a 30-foot high top-loaded vertical mounted on a 2.5-acre aluminum foil ground plane (part of the permenent radiotelescope on the site), fed through approximately 600-feet of RG8/U.

Receiving antennas included six beverages (NE, SW, E, W, S, N) and an experimental 4-element switchable, phased, voltage probe array consisting of four 3-foot voltage probe vertical rods ground-mounted.

The above score represents more net QSOs than any of our past efforts, and about the same number of multipliers as netted last year, when we posted the top score in this contest. We know that we were beaten this year by K2WI, who posted 902 QSOs and around 94 multiplier.

Are there any other scores out there? If so, we'd like to hear about them! Please send information to me by packet (K8ND @ W8CQK) or by EMAIL (packet preferred).

73, Jeff Maass K8ND (@ W8CQK)

From -7149410952771629328
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3e8624e396ec8906,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 07:05:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!know!
news.cs.indiana.edu!msi.umn.edu!cs.umn.edu!kksys!orbit!pnet51!hca
From: hca@pnet51.orb.mn.org (H. Atlas)
Newsgroups: rec.ham-radio
Subject: 7K
Message-ID: <3557@orbit.cts.com>
Date: 4 Dec 90 15:05:50 GMT
Sender: news@orbit.cts.com
Organization: People-Net [pnet51], Minneapolis, MN.
Lines: 6
Posted: Tue Dec 4 16:05:50 1990

7K owners, what is the latest software that is out?? Does it include linking, or any other non-5K features??

UUCP: {amdahl!bungia, crash}!orbit!pnet51!hca
ARPA: crash!orbit!pnet51!hca@nosc.mil
INET: hca@pnet51.orb.mn.org

From 565349301213642528
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b33768455025e352
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 07:14:15 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!LONEX.RADC.AF.MIL!

szarekw
From: szarekw@LONEX.RADC.AF.MIL (William J. Szarek)
Newsgroups: rec.ham-radio
Subject: Alinco 2M/440 Xcvr with DTMF control
Message-ID: <9012041358.AA08798@lonexc.radc.af.mil>
Date: 4 Dec 90 13:58:56 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 50
Posted: Tue Dec 4 14:58:56 1990

/
>>Bob Witte writes some stuff about putting a 590T on a mountaintop and using
>>an HT on 440 to corssband repeat onot 2meters.

>Then Mike Waters AA4MW/7 writes some junk and then . . . a number of other
>rigs [do the same thing] and you might find a cheaper one if that is the
>only thing you really are after.

Well not quite
Most other rigs dont allow the remote controll including QSY that the Alinco does.

Mike then writes:
> couple of . . . problems . . .: (1) to enable cross-band repeat you must
>cut a wire that inhibits out of band operation. BOTH TX and RX! THat could
>be a real problem with remote operation.

This is completely incorrect. When you cut the wire it ENABLES out of band operation.

He then continues:
>There is no easy way to "one way repeat" i.e. UHF to VHF only.

This is incorrect. If the DTMF squelch is enabled on both 2m es 440 then the proper tone sequence is required to open the squelch and you can use your ht to RX and your remote base to TX.

Furthermore as I posted last month, I have been working with Dexter and Greg at Alinco and have found a way to automatically control the offset.

All (standard) repeaters below 147Mhz use - offset. All repeters in the 147Mhz sub band use positive offset. So this is how you set up the rig.

1 Store a repeter frequency (positive offset) (from the VFO) in the ARM memory.

2 enter a repeter frequency below 147Mhz and switch to - offset.

3 now when you qsy above 147 Mhz the offset will be + and below 147 Mhz will be -. This works for all VFO functions i.e. band scan, mic-pad frequency entry, and remote (ht) control.

If you have other questions regarding this rig let me know and I'll see what I can do for you.

73 es gl
buzz
wm1w

no I don't work for Alinco.......

```
From 4977016762225280903
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96f96cb9808e4586
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 07:18:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpda!hpcuhb!hpsqf!hpqmola!hpqmole!dstock
From: dstock@hpqmole.sqf.hp.com (David Stockton)
Newsgroups: rec.ham-radio
Subject: Re: CW Questions from a novice
Message-ID: <410015@hpqmole.sqf.hp.com>
Date: 4 Dec 90 15:18:35 GMT
References: <1990Nov29.033524.23715@informix.com>
Organization: HP,Queensferry Microwave UK
Lines: 26
Posted: Tue Dec  4 16:18:35 1990
```

You can try around the popular "QRP frequencies"

3.560
7.030
14.060
21.060
28.060 MHz

The majority of these people will make you very welcome, are happy to stick around and help you or just plain ragchew. If you can adjust your output power down to about 5 Watts, you'll make friends for life :-)

Their signals will be small, but they will be quite prepared to work locals. I find these frequencies to be oases, away from the worst of the p*** off-you-are-not-DX mentality.

some of the very best operators are to be found here.
I define a good operator as one with skill,ability, good manners and patience. (i've got the patience, the rest I've got to work on :-))
People who can do fast morse but lack the other characteristics just don't qualify.

73 de GM4ZNX

```
From 1715540271015111743
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 07:48:38 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!hpcvca!
hpcvck!mcross
From: mcross@hpcvck.CV.HP.COM (Minor Cross)
Newsgroups: rec.ham-radio
Subject: Re: Another look at Radar Detector Legality for Hams
Message-ID: <5440018@hpcvck.CV.HP.COM>
Date: 4 Dec 90 15:48:38 GMT
References: <655.2758ED18@w8grt.fidonet.org>
Organization: Hewlett-Packard Co., Corvallis, Oregon
Lines: 24
Posted: Tue Dec  4 16:48:38 1990

> Jim Grubs - via FidoNet node 1:234/1
>
> Speaking as a retired police dispatcher, I can assure you that it is not
> uncommon for officers to "run radar" with the full knowledge and intent
> that  tripping fuzzbusters will slow things down. Sometimes on holidays,
> this is the SOLE purpose.
Hi everyone,
One of the local officiers, who is also a ham, has a lot of fun with his
radar unit!  When he spots a car with a radar detector in the window, he
likes to track the car, with the speed gun OFF!  Likes to watch the
reactions of the drivers trying to figure out why their detectors didn't
alert them to his radar!!

Happy and safe holidays!
Insert Standard Disclaimer notice here:
           ___
       /  /        Minor Cross     KD7YJ
      /  /        Hewlett-Packard  Integrated Circuit Business Division
     /  /_____           _________       1050 NE Circle Blvd.
       /  ___   /  ____    /  ___   /     Corvallis, OR   97330
      /  /  /  /  /___/   /  /__/  /       -------------------------
     /__/  /__/          /  ______/       AT&T:  (503) 750-2044
                        /  /           HP telnet  750-2044
                /__/     }inhp4!hplabs!hp-pcd!hpcvca!hpcvck!mcross


From 6165606446771014611
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,45fedfb5b5903eda,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11086b,45fedfb5b5903eda,start
X-Google-Attributes: gid11086b,public
X-Google-Thread: 105d97,45fedfb5b5903eda,start
X-Google-Attributes: gid105d97,public
```

X-Google-ArrivalTime: 1990-12-04 07:54:02 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: sci.electronics,rec.ham-radio,alt.sources.d
Subject: Cross Assembler posted to Alt.sources
Message-ID: <598@ssc.UUCP>
Date: 4 Dec 90 08:38:35 GMT
Followup-To: alt.sources.d
Organization: SSC, Inc., Seattle, WA
Lines: 25
Xref: gmdzi sci.electronics:9962 rec.ham-radio:17416 alt.sources.d:1035
Posted: Tue Dec 4 09:38:35 1990

I'm in the process of posting the source code for
a simple retartgetable cross assembler for 8/16 bit
microprocessors to the alt.sources newsgroup.

Instruction Sets supported

RCA 1802, 1085
Signetics 2650
Hitachi 6301, 6303
Mos Technology, Rockwell 6502
Motorola 6805
Motorola 6809
Motorola 6800, 6801, 68hc11
Texas Instrument TMS7000
Intel 8041,8048
Intel 8051
Intel 8096
Zilog Z8
Zilog Z80, 8080, 8085, 64180

Sorry, no macros, fancy print formatting, or relocatable libraries,
but the price is right.

Mark Zenier
markz@ssc.uucp

From 4274640468477401469
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7482f4e653635fc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 09:38:19 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: KUSW to go religious *GROAN*
Message-ID: <668.275AE9E8@w8grt.fidonet.org>
Date: 4 Dec 90 04:21:00 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 29

```
Posted: Tue Dec  4 05:21:00 1990


 > From: saaf@joker.optics.rochester.edu (Lennart Saaf)
 > Date: 3 Dec 90 15:41:06 GMT
 > Organization: The Institute of Optics, University of Rochester
 > Message-ID: <SAAF.90Dec3104106@joker.optics.rochester.edu>
 > Newsgroups: rec.radio.shortwave
 >
 > >>>>> On 1 Dec 90 18:43:54 GMT, manjunat@aludra.usc.edu (bsm) said:
 >
 > b>  I was always intrigued by these "religious" stations. As it is there
 > b> are plenty of them on MW (and FM!). Who are the intended audience
 > b> for these broadcasts,
 > b> given the fact that none of the "regular" radios sold in the US has SW
 > b> bands ?
 >
 > There is no intended audience.  The primary purpose is to "do"
 > something for God and obtain brownie points.

Christians believe salvation comes by faith and faith comes by grace. No
amount of "doing" earns brownie points. It is a simple question of obedience:

                  "Go, thou, and teach all nations."

There, that isn't so difficult to understand at all, is it?

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org



From 2676343294151413853
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,47df7fa7dd7d76c5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 09:49:51 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!rx.xerox.com!
hugh_davies.wgc1
From: hugh_davies.wgc1@rx.xerox.com
Newsgroups: rec.ham-radio
Subject: The Un-net.
Message-ID: <".4-Dec-90..7:42:28.PST".*.PMcAfee.El_Segundo@Xerox.com>
Date: 4 Dec 90 15:42:28 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: hugh_davies.wgc1@rx.xerox.com
Organization: The Internet
Lines: 20
Posted: Tue Dec  4 16:42:28 1990
```

Well, I tried! After taking my 10 meter vertical down and repairing the storm damage, I could finally hear the un-net. Or at least, I could hear K6XO (5/5) consistently, and KC1RP occasionally and I could tell there were other people there, but not what they were saying. And I called, and called, and called, and called, and called. On CW as well, just in case. I guess 100W to a 5/8 vertical ain't good enough.

Huge.wgc1@rx.xerox.com
==
Hugh Davies, G0CNR,
Senior Software Engineer,
Rank Xerox,
Customer and Service Education,
Welwyn Garden City,
England.
==

```
From 4630266474149628063
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7382706b70114ff1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 09:52:18 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!envy!karn
From: karn@envy..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Un-Net, Packet Question
Message-ID: <1990Dec4.051956.28605@bellcore.bellcore.com>
Date: 4 Dec 90 05:19:56 GMT
References: <9012031322.AA28474@LL.MIT.EDU>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@envy.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 27
Posted: Tue Dec  4 06:19:56 1990
```

In article <9012031322.AA28474@LL.MIT.EDU> JORDAN@LL.MIT.EDU ("Mike Jordan G4ASQ/ KC1RP") writes:
>I have a question about packet. If I intend to run TCP/IP, and use Phil
>Karn's NET-PC package, it seems that I will end up putting the TNC into
>'dumb mode' and basically using it as a modem. I haven't bought a tnc
>yet, and it seems I don't really need one. Am I right in thinking that
>all I have to do is build a modem that turns 2 tones into high & low
>levels on an RS232 line, and connect it to the PC? (levels to tones
>for transmitting).   Why should anyone spend hundreds of $$ on a tnc
>when the PC can do the work, assuming you already have one.

It's not *quite* that simple. The packet "framing" method used in amateur packet radio is HDLC, which is a member of a class of "synchronous" link level protocols. The standard serial ports in PC type computers cannot support synchronous protocols, so you either need a synchronous interface

chip (e.g., Zilog 8530) or you need to generate the output in software
one bit at a time. The former method is much preferred.

You can buy cards that provide both the HDLC framing and modem functions.
DRSI has the PC Packet Adaptor, while PACCOMM has the PC-100 and Hamilton
Area Packet Radio has their HAPN card. A new group in Ottawa has just
come out with an HDLC card that supports DMA (invaluable for high speed
modems) but it does not have an on-card low speed modem.

Once you have one of these cards you should be able to configure NOS
to run with it.

Phil

From -6473228504705318214
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8321fc3535fbd153
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 12:03:20 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!
hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Loading up a tower for 40/80/160M
Message-ID: <1250286@hpnmdla.HP.COM>
Date: 4 Dec 90 20:03:20 GMT
References: <2829@lupine.NCD.COM>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 14
Posted: Tue Dec 4 21:03:20 1990

In rec.ham-radio, gary@ke4zv.UUCP (Gary Coffman) writes:

>In article <2829@lupine.NCD.COM> phil@hansen.Berkeley.EDU (Phil Graham) writes:
>>I am looking to load up my 55 ft crank up tower for 40. 80 and 160M.
>>
...
>I've fed my tower, a seventy foot Rohn 25 tower with a tri-bander as a
>top hat, using a gamma match. ...

If you are using a crank-up tower, you may need to worry about obtaining
a good electrical connection between the sections. The Rohn 25 should
work fine.

AL N1AL

From -9176222956883733295
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f020d498c728d019
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 12:11:57 PST

Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: SOLD!!
Message-ID: <1250287@hpnmdla.HP.COM>
Date: 4 Dec 90 20:11:57 GMT
References: <1990Dec3.222311.8448@csusac.csus.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 7
Posted: Tue Dec 4 21:11:57 1990

etc...
>The above equipment has been sold!!! It sold in less than 12 hours from Posting
etc...

Any reason this shouldn't have only appeared in rec.ham-radio.swap?

AL N1AL

From -5889176396856421725
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 12:40:10 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Internet-Packet Reply (LONG!)
Message-ID: <389@ultrix.uhasun.hartford.edu>
Date: 4 Dec 90 14:47:56 GMT
References: <644.2756EB68@w8grt.fidonet.org> <1644@ke4zv.UUCP>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 20
Posted: Tue Dec 4 15:47:56 1990

In article <1644@ke4zv.UUCP>, gary@ke4zv.UUCP (Gary Coffman) writes:
> Except for their obligation to uphold international agreements, the FCC
> couldn't care less about third party traffic. With the growing demand for

I'd be interested to know what gives you that impression. Having recently discussed some of this with the FCC, I have a different impression entirely. They are insistent that both the FCC and the amateurs themselves have the capability to detect improper use of amateur frequencies. The oft-cited continuing use of amateur frequencies by taxicabs, boaters etc. is irrelevant. There is a big difference (in the FCC's eyes, at least) between not having sufficient enforcement capability to catch all of the illegal activity and not being technically *able* to catch them. They may grudgingly put up with the former, but they are unbending about not allowing the latter to happen any more than they can help it.

```
--
Jon Bloom, KE3Z                               | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu          |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

From -7366123369953962543
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0aaa3358b071a9a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 12:43:37 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Zepp Antennas
Message-ID: <1646@ke4zv.UUCP>
Date: 4 Dec 90 02:59:42 GMT
References: <FAA5656555BF200363@uncg.bitnet> <12280029@hpspdra.HP.COM>
<1990Dec2.223924.8533@informix.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 36
Posted: Tue Dec 4 03:59:42 1990

In article <1990Dec2.223924.8533@informix.com> randall@informix.com (Randall Rhea) writes:

>Now that we're on the subject of Zepp antennas ... it is OK to have
>the top part of the antenna slope at an angle, like an inverted V? That's
>the setup I have. So far, it seems to work OK.

You seem to have answered your own question. :-)

When dealing with nonresonant dipoles and skywave propagation arriving at various undetermined polarizations, the only practical answer is to use what works. Theory says that we want the high current part of the antenna as high and in the clear as possible to minimize losses. Theory also says we want the antenna confined to one vertical plane to obtain maximum broadside gain over a point source. Confining the antenna to one horizontal plane will optimize it for one polarization. Since we don't know the optimum polarization for a given skywave path, we aren't too concerned about this. However, with a Zepp, on certain bands the antenna will behave as two end fed halfwaves in phase. Therefore the current maxima will occur halfway down each leg rather than at the feedpoint. Keeping these points as high and in the clear as possible is important to minimize losses. And to maintain maximum broadside gain from the pair of end fed halfwaves, they should be confined to the same horizontal plane. If not, they will be cross-polarized at the Vee angle, usually 90 degrees, to each other and not exhibit maximum gain. Thus the answer is that a flattop is better than a Vee for frequencies where the Zepp is not approximately a halfwave. Again practice rears it's ugly head. If you can't mount the Zepp as high as a flattop as you can when it's a Vee, then the Vee may perform better in practice.

Few of us are lucky enough to have an ideal antenna field with no obstructions, ideally placed supports, and highly conductive ground. Thus we make do with what works given our situation. Theory reminds us what considerations are important, but only experimentation will show us what works best given our practical limitations.

Gary KE4ZV

From -2413744942344601564
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 12:43:43 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Another look at Radar Detector Legality for Hams
Message-ID: <1647@ke4zv.UUCP>
Date: 4 Dec 90 03:17:44 GMT
References: <655.2758ED18@w8grt.fidonet.org> <5592@qip.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 25
Posted: Tue Dec 4 04:17:44 1990

In article <5592@qip.UUCP> john@qip.UUCP (John Moore) writes:
>In article <655.2758ED18@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>]Speaking as a retired police dispatcher, I can assure you that it is not
>]uncommon for officers to "run radar" with the full knowledge and intent that
>]tripping fuzzbusters will slow things down. Sometimes on holidays, this is the
>]SOLE purpose.
>
>This is, however, illegal - if you could ever prove it. The band is
>allocated only for radiolocation - not for spoofing or broadcasting.
>The FCC busted some police department back east for a similar violation.

John's right about this one. The local field office busted the DeKalb County Ga. police department for this one. They were very blatent however in that they mounted surplus radar units on expressway signs and just let them run. Their intent was to make radar detectors useless by generating many false readings. The field office busted them for transmitting false and misleading signals as well as for intentional jamming. The local field office also busted the State Patrol for failing to have transmitter ID cards attached to their radar units. The Field Engineer in Charge likes to drive fast. :-)
On a somewhat related note, the regional EPA office busted the Gwinnett County Police for illegal tampering with emission controls in order to make their crusiers run faster. Guess what EPA officer likes to drive

fast. :-)

Gary KE4ZV

```
From 7249410076911211713
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db1d106380df7ba1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-04 12:46:29 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!larry!sde
From: sde@larry.sal.wisc.edu (Scott Ellington)
Newsgroups: rec.ham-radio
Subject: TVI Problem
Keywords: interference
Message-ID: <1168@larry.sal.wisc.edu>
Date: 4 Dec 90 16:02:58 GMT
Organization: Space Astronomy Lab, Madison WI
Lines: 35
Posted: Tue Dec  4 17:02:58 1990
```

I have a baffling TVI problem, and I'd like to see if anyone else has encountered anything similar. "Something" within about 150 meters of my antenna is apparently rectifying my 15 meter signal, and generating a harmonic at 63 MHz. Harmonic generation in the rig and antenna system have been ruled out. TVI only appears with the beam pointed in on particular direction, which happens to also be toward the affected television. (Fundamental overload has also been ruled out.) TVI is more severe when transmitting on either of 2 wire antennas, which are more or less parallel, with their ends pointed in the direction in which the beam causes interference. When transmitting on the wire antenna, however, the position of the beam makes no difference. The beam still causes interference with the two wire antennas down, so the wires themselves are not the source. Now the strangest thing of all: When the harmonic is observed with a spectrum analyzer, it appears to be modulated by a very erratic 60 Hz square wave (at the power line frequency, precisely), but only when transmitting on one of the wire antennas. The harmonic is much stronger using the beam, but shows no modulation. Reducing power with the beam does not cause modulation to appear. There are lots of power lines and poles in the critical direction, but a search with a portable receiver was inconclusive. Needless to say, the 15 M fundamental never shows any modulation, regardless of the antenna used. The only explanation I can think of is that a vertically polarized component induces current in a vertical ground wire on a utility pole, which may have a flakey connection which results in rectification and modulation. Since the beam is horizontally polarized, it induces current in a different part of the power lines, which somehow still generates harmonics, but without the modulation. The wire antennas, of course, have a significant vertically polarized component off their ends. (They also slope.)

Any ideas out there? I'm ready to start pounding on those power poles with a sledgehammer. Please reply be email.

Scott Ellington K9MA
sde@larry.sal.wisc.edu

From -3563397158350735455
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 14:15:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!sun-barr!newstop!west!L1-A.West.Sun.COM!flloyd
From: flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242)
Newsgroups: rec.ham-radio
Subject: Sample Kenwood Service Note for TS-440
Message-ID: <1232@west.West.Sun.COM>
Date: 29 Nov 90 22:15:25 GMT
References: <901125190431.20417607@STAR.TAMU.EDU> <14208@crdgw1.crd.ge.com> <568@ssc.UUCP>
Sender: news@west.West.Sun.COM
Organization: Sun Microsystems, Mt. View, Ca.
Lines: 54
Posted: Thu Nov 29 23:15:25 1990

Here's a sample service bulletin - # 948

SB-948
TS-440S NOTCH FILTER LOW FREQUENCY IMPROVEMENTS   01/20/89

The low frequency attenuation characteristics of the notch filter can be improved by reducing the input level to the notch filter chip (IC1). To compensate for the loss of input level, the amount of negative feedback to the audio amplifier (IC7) will need to be reduced. This modification is already incorporated in all models beginning with serial number 704XXXX.

REQUIRED PARTS:

120K OHM, 1/6 WATT RESISTOR	RD14CB2C124J
390 OHM, 1/6 WATT RESISTOR	RD14CB2C391J

1. Disconnect the power supply and antenna.
2. Using a #2 Phillips screw driver, remove the 9 screws from the top cover. Remove the top cover from the transceiver and unplug the speaker wire.

3. Locate resistors R86 and R229 on the component side of the IF board (Figure 1).

4. Using a #1 Phillips screw driver, remove the 7 screws that secure the IF unit to the chassis of the transceiver.

5. Pull the board up and rotate it towards the front of the transceiver to expose the foil side of the board.

6. Desolder and remove both resistors from the board.

7. Install and solder a 102K ohm resistor in place of R86.

8. Install and solder a 390 ohm resistor in place of R229.

9. Assemble the transceiver by reversing steps 1 - 5.

This is an optional change that may not be performed under warranty.

```
--
| Fred Lloyd  AA7BQ                            flloyd@West.sun.com |
| Sun Microsystems, Inc.                              ...sun!flloyd |
| Phoenix, AZ                                                       |
```

From 8971376806381721966
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28c3893db0083e24
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 14:22:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ncar!boulder!uswat!joeb
From: joeb@uswat.uswest.com (Joe Bushinski #350 x2026)
Newsgroups: rec.ham-radio
Subject: Re: super repeaters
Message-ID: <13344@uswat.UUCP>
Date: 29 Nov 90 22:22:38 GMT
References: <1219@west.West.Sun.COM> <530031@hpdmd48.boi.hp.com>
Sender: news@uswat.UUCP
Organization: US WEST Advanced Technologies, CO, USA
Lines: 18
Posted: Thu Nov 29 23:22:38 1990

In article ritchie@hpdmd48.boi.hp.com (David Ritchie) writes:
>
> If you are referring to 2m repeaters, the 146.97 machine in Colorado Springs
>is at 14,110 - Pikes Peak. I think that there is a machine (6.94) on Mt.
>Evans near Denver, also. (approximately 8-9K feet above nearby cities).
>
>-- Dave Ritchie N4DJS

146.94 machine is on Squaw Mtn at 11,700....still formidable but not
like the .97 machine. It runs about 100W though and can be heard a LONG
ways out on the High Plains. It also is situated so that It can be
usable all the way to the Eisenhower Tunnel on IS 70, 40-50 miles West
of Denver. I have even worked it from the ski lift at Loveland ski area
at the Continental divide at the tunnel.

Joe Bushinski
KE0QA

I am Neither for Nor against APATHY

From 4183132719018171197
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 15:08:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: Another look at Radar Detector Legality for Hams
Message-ID: <14388@crdgw1.crd.ge.com>
Date: 29 Nov 90 23:08:57 GMT
References: <901125190431.20417607@STAR.TAMU.EDU> <14208@crdgw1.crd.ge.com>
<568@ssc.UUCP>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 25
Posted: Fri Nov 30 00:08:57 1990
In-reply-to: tad@ssc.UUCP (Tad Cook)

In article <568@ssc.UUCP>, tad@ssc (Tad Cook) writes:
>
>
>Does anyone recall the 73 article some years ago that showed how to
>build a device which would receive police radar, and then transmit
>back, shifting the frequency so that the speed indicated on the
>radar unit matched the digits set up on thumbwheels on the device?
>The joke was that the author claimed that this was for HAM communications!
>It allowed you to work microwave mobile, automatically responding to
>any "beacon" transmissions from other vehicles! The antenna was mounted
>behind the grill in the front of the car......

The.. umm... transponders (yeah, thats it) I have read about mostly AM
modulate a microwave carrier with a tone. By the time it comes out
of the detector, the receiver sees the modulation rather than the beat.
That way you don't have to do any adjusting for what his actual
transmitting frequency is (as long as you get the band right).

If you frequency shifted his signal with a mixer and retransmitted just
a few hundred hz away I think you would have feedback problems

```
(and need REAL hi Q filters to remove the unwanted mixing products).

-don perley - ke2tp

perley@trub.crd.ge.com



From 1154656985136988153
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,23b68ffc1c174eee,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 15:51:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!sdd.hp.com!ucsd!network.ucsd.edu!brent
From: brent@network.ucsd.edu (Brent Jones)
Newsgroups: rec.ham-radio
Subject: TH-77 problem.  Beware...
Message-ID: <4115@network.ucsd.edu>
Date: 29 Nov 90 23:51:09 GMT
Organization: Ich geh' kaput.  Kommst du mit?
Lines: 7
Posted: Fri Nov 30 00:51:09 1990

There is a major glitch with the TH-77 with its memories.  If you let
the battery die down with the radio turned on, you will lose all
memories and the radio will reset.  Removing the battery pack with the
radio on does not affect this, only letting the battery pack die.  Terrible
engineering flaw...

Brent



From 8726172926451544082
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 16:29:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!wuarchive!usc!apple!sun-barr!
rutgers!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Re: Another look at Radar Detector Legality for Hams
Message-ID: <33736@netnews.upenn.edu>
Date: 30 Nov 90 00:29:35 GMT
References: <901125190431.20417607@STAR.TAMU.EDU> <14208@crdgw1.crd.ge.com>
<568@ssc.UUCP> <14388@crdgw1.crd.ge.com>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 36
Posted: Fri Nov 30 01:29:35 1990

In article <14388@crdgw1.crd.ge.com> perley@galaxy (Donald P Perley) writes:
```

>In article <568@ssc.UUCP>, tad@ssc (Tad Cook) writes:
>>Does anyone recall the 73 article some years ago that showed how to
>>build a device which would receive police radar, and then transmit
>>back, shifting the frequency so that the speed indicated on the
>>radar unit matched the digits set up on thumbwheels on the device?
>
>The.. umm... transponders (yeah, thats it) I have read about mostly AM
>modulate a microwave carrier with a tone. By the time it comes out
>of the detector, the receiver sees the modulation rather than the beat.
>That way you don't have to do any adjusting for what his actual
>transmitting frequency is (as long as you get the band right).

You can accomplish the same thing just by switching the transmitter
on and off, which is a little easier than AMing, especially when using
a Gunn source. Not quite the same, but it should still produce the
desired effect.

>If you frequency shifted his signal with a mixer and retransmitted just
>a few hundred hz away I think you would have feedback problems
>(and need REAL hi Q filters to remove the unwanted mixing products).

Very true. Plus you'd have to track his drift and also worry about
your own car's speed.

>-don perley - ke2tp
>
>perley@trub.crd.ge.com

--- Jeff

--
-=-
Jeff DePolo N3HBZ   Twisted Pair: (215) 386-7199
depolo@eniac.seas.upenn.edu   RF: 146.685- 442.70+ 144.455s (Philadelphia)
University of Pennsylvania   Carrier Pigeon: 420 S. 42nd St. Phila PA 19104

From 509213122438059464
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b3ed40b21493733
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 16:40:56 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpcc05!
col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: Curing Grappler Box RFI
Message-ID: <27080028@col.hp.com>
Date: 30 Nov 90 00:40:56 GMT
References: <1990Nov25.064753.186@csense.uucp>
Organization: HP Colorado Springs Division
Lines: 31
Posted: Fri Nov 30 01:40:56 1990

I'm not quite sure what a "Grappler" is, but let us assume it is a printer interface box(?). I am further assuming that there are one or more cables connected to this thing.....

There are several things you could try...

1) add a ferrite core over the cable(s). A proper core might be one inch long by 1/2" square with a 1/4" hole down the center. The shape could also be 1/2" round. Some of these are split length-wise so they may be retrofitted around existing cables such as yours. A standard torroid may also work, but you want to loop the cable 1-2 times around the core.

2) add shielding around the main circuit board. I assume that the enclosure is plastic. Try lining it with aluminum foil or other conductive stuff. Make sure the case halves join together electrically all the way around. The I/O connector grounds (shield connections) also need to be attached to this foil at the point where the connectors enter the enclosure.

3) You were correct to try bypassing internally. Is there a crystal oscillator? If so, make sure it has a 0.01 uF from Vcc to ground pins (short leads). Also add 0.01 uF caps across all other ics. There are other internal mods which are really beyond the scope of this discussion. One of which would be to add a ground plane layer (insulated foil would work) under the pc board and then connected to the cable shield connection of the connector. By the way, make sure that neither the enclosure foil nor the ground plane layer touch pc board connections!!! Use plenty of insulating tape.

From -7677047245000674333
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1f32be89a7e69db3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 16:49:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: Re: Allmods for Allmost Everything, Part II VERY long!
Message-ID: <27080029@col.hp.com>
Date: 30 Nov 90 00:49:48 GMT
References: <1379@radius.com>
Organization: HP Colorado Springs Division
Lines: 13
Posted: Fri Nov 30 01:49:48 1990

Go ahead and get the 2SAT...

To open up the receive range:

1) turn off radio

2) press and hold the "B", "#", and "Light" keys

3) use your third hand(!) and turn the radio on. Keep the keys pressed until the display settles out (2-3 seconds).

You now have 118-136 am, 136-400 (about?) fm. Any frequency may be stored into the memory channels. Nice radio.

From -6894701878532113765
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ca9fdb563c46a07,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 17:06:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!usc!apple!agate!ucbvax!XEROX.COM!John_L._Levin.El_Segundo
From: John_L._Levin.El_Segundo@XEROX.COM
Newsgroups: rec.ham-radio
Subject: HT experiences?
Message-ID: <"29-Nov-90.17:06:11.PST".*.John_L._Levin.El_Segundo@Xerox.com>
Date: 30 Nov 90 01:06:11 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Fri Nov 30 02:06:11 1990

I am new to amateur radio and am currently in the market for a dual-band 2m - 70cm HT. I have narrowed the search to two units, based primarily on budget constraints.   The two in question are the Kenwood TH-77A and the Yaesu FT-470. I would appreciate any comments, or experiences any of you have had with either of these two units.

Thanks,
John Levin   JLevin.ElSegundo@Xerox.com

(Technician in Training)

From -7785589091473458602
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8321fc3535fbd153,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 17:16:23 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!infopiz!lupine!hansen!phil
From: phil@hansen.Berkeley.EDU (Phil Graham)
Newsgroups: rec.ham-radio
Subject: Loading up a tower for 40/80/160M
Keywords: Tower, 40M, 80M, 160M, antenna
Message-ID: <2829@lupine.NCD.COM>

Date: 30 Nov 90 01:16:23 GMT
Sender: news@NCD.COM
Reply-To: phil@hansen.Berkeley.EDU (Phil Graham)
Lines: 11
Posted: Fri Nov 30 02:16:23 1990

I am looking to load up my 55 ft crank up tower for 40. 80 and 160M.

As anyone actually done this and if so what type of matching system did you use? I do not mind using my antenna tuner, but I would of course like to have a closer match at the antenna so that I do not burn too much power in the coax.

Any input is welcome!

Phil
phil@ncd.com

From 4714120142501225982
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96f96cb9808e4586
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 17:35:56 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Re: CW Questions from a novice
Keywords: CW
Message-ID: <4454@altos86.Altos.COM>
Date: 30 Nov 90 01:35:56 GMT
References: <815@idacrd.UUCP> <1990Nov29.033524.23715@informix.com>
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 57
Posted: Fri Nov 30 02:35:56 1990

In article <1990Nov29.033524.23715@informix.com> randall@informix.com (Randall Rhea) writes:

>1) How do I answer a CQ? I hear a guy calling CQ, and I want to answer him,
>but how? What do I send? Like I say, I'm pretty ignorant.

Assume I'm calling CQ:

CQ CQ CQ DE NJ6A NJ6A NJ6A K

you would answer:

NJ6A NJ6A DE KK6MY KK6MY -AR-

where -AR- is didahdidahdit.

I would then answer with something like:

KK6MY DE NJ6A GE OM TNX FER CALL UR RST 599 QTH SAN RAMON, CA NAME HR JERRY HW CPY? KK6MY DE NJ6A K

In English this is: good evening old man, thanks for the call. Your signal report is 599. My location is San Ramon, Ca. My name is Jerry. How do you copy?

Pick up a copy of the ARRL Operating Manual. It has all you'll need to know. The key point is to just get on the air and give it a try.

>2) On what frequency do I answer the CQ? If I hear him, do I answer him on
>that frequency, or do I move the dial until his tone is at the lowest point?

You adjust your transmitter so it is zero-beat with the received signal. This is very easy to do with a separate tx-rx combination, but it can be done after a fashion with a transceiver. I also have an Icom 735 and I do it as follows: tune your rig until his tone is at approximately zero beat and then tune it up 800 Hz (0.8 on the display). The 735 has an 800 Hz Tx shift on CW. Unless he has a 100 Hz filter, he should be able to hear you without a problem.

>3) Which bands would you recommend for a beginner? Obviously, the novice
>sections of the bands are good. I like 40 meters, but broadcast stations
>usually obliterate the band.

15 meters is good during the day, and sometimes to surprisingly late into the evening. Since you have an advanced ticket, you can use any HF band you want--just call CQ at a low speed. Just about everyone will try to match your speed when they answer you. Or search for someone else calling CQ at a speed you can copy. You'd be surprised at how much slow-speed CW activity there is, even on 20 meters.

```
--
Jerry Gardner, NJ6A                      Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos!jerry   2641 Orchard Parkway
Internet: jerry@altos.com                San Jose, CA  95134
Guns don't kill people, bullets do.                    (408) 432-6200
```

```
From -8880252070924654248
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c8339827293586d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 17:47:37 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!bu.edu!xylogics!samsung!rex!rouge!pc!jpd
From: jpd@pc.usl.edu (Dugal James P.)
Newsgroups: rec.ham-radio
```

Subject: Any experience with the new Kenwood TH-27a?
Message-ID: <19640@rouge.usl.edu>
Date: 30 Nov 90 01:47:37 GMT
Sender: news@rouge.usl.edu
Organization: Univ. of Southwestern La., Lafayette
Lines: 10
Posted: Fri Nov 30 02:47:37 1990
Originator: jpd@pc.usl.edu

The title says it all! How's the aircraft AM mode? What's good and bad about the design and ergonomics?

73,
James N5KNX
--
-- James Dugal,   N5KNX   Internet: jpd@usl.edu
Associate Director   Ham packet: n5knx@k5arh
Computing Center   US Mail: PO Box 42770 Lafayette, LA 70504
University of Southwestern LA.   Tel. 318-231-6417 U.S.A.

From 247094198627493511
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96f96cb9808e4586
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 17:57:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: CW Questions from a novice
Message-ID: <1250282@hpnmdla.HP.COM>
Date: 30 Nov 90 01:57:34 GMT
References: <1990Nov29.033524.23715@informix.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 31
Posted: Fri Nov 30 02:57:34 1990

In rec.ham-radio, randall@informix.com (Randall Rhea) writes:

>I have been a ham for 8 months, and have upgraded to advanced class. Would
>you believe that I've never made a CW QSO?   I really would like to get
>involved in CW, but I feel like a complete ignoramus. I have an ICOM-735
>with the built-in keyer. I have these questions:

>1) How do I answer a CQ? I hear a guy calling CQ, and I want to answer him,
>but how? What do I send? Like I say, I'm pretty ignorant.

If you hear WA6XYZ calling CQ, just send:

  WA6XYZ WA6XYZ WA6XYZ DE (your call 3 times) K

>2) On what frequency do I answer the CQ? If I hear him, do I answer him on

>that frequency, or do I move the dial until his tone is at the lowest point?

You want your carrier frequency to match his. On most transceivers, this means you tune until his signal matches the pitch of the sidetone oscillator (what you hear when you transmit). This is typically around 700-1000 Hz.

>3) Which bands would you recommend for a beginner? Obviously, the novice
>sections of the bands are good. I like 40 meters, but broadcast stations
>usually obliterate the band.

40 meters is good during daylight hours. 80 meters is good at night.
This is for short distance rag-chewing (couple thousand miles or so).
15 meters is a good "DX" band that is less crowded than 20. 15 is usually open during the day.

AL N1AL

From 5918246422565732169
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93af7f5b8d199be4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 18:08:33 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!IBM.COM!ENGE
From: ENGE@IBM.COM ("Roy Engehausen")
Newsgroups: rec.ham-radio
Subject: Packet Interface to Landline Modem
Message-ID: <112990.180743.enge@ibm.com>
Date: 30 Nov 90 02:08:33 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4
Posted: Fri Nov 30 03:08:33 1990

The AA4RE BBS allows users to access the system via modem. Security is provided via a password.

Roy

From 4583977877614658364
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,87d9759ab2cbbbba
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 18:14:54 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Dr-590 results
Message-ID: <1990Nov29.041838.7252@ux1.cso.uiuc.edu>
Date: 29 Nov 90 04:18:38 GMT
References: <9011261526.AA12053@lonexc.radc.af.mil> <2470@dover.sps.mot.com>

Organization: University of Illinois at Urbana
Lines: 18
Posted: Thu Nov 29 05:18:38 1990

waters@darla.sps.mot.com (Strawberry Jammer) writes:

>{This is what you will find . . .
>{The rig now transmits everywhere.

>This I do NOT consider a virtue, if I want to transmit out of band I want
>to KNOW that I am doing it! I have caught myself twice now replying to a
>VHF repeater on the UHF state police frequency. They use PL and I cought it
>after getting only "Alpha Alpha OOOPS" out, but that is still not something
>I like to do! All to easy in city traffic though.

Do what I do... I program all NON-ham repeater pairs with the offset in
the opposite direction (but by the correct amount). In the case of repeater
outputs in the 450-455 MHz range, you would be transmitting in the ham band.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -6736359976918830164
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79112ff07367ef98
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 21:01:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: super repeaters
Message-ID: <5564@qip.UUCP>
Date: 30 Nov 90 05:01:09 GMT
References: <9011271904.AA05548@lonexc.radc.af.mil>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 19
Posted: Fri Nov 30 06:01:09 1990

In article <9011271904.AA05548@lonexc.radc.af.mil> szarekw@LONEX.RADC.AF.MIL
(William J. Szarek) writes:
]While travling in New Mexico I saw a repeater site.
]
]At the top of Sandia Crest elevation 10,678'.
]
]This mountain rises above the desert and I mean the land is completely flat
]for miles and miles and miles . . . .
However, the desert is at 5000-6000 ft. MSL, so the HAAT is not that
unusual. Also, Sandia is apparently a very noisy site (all of Albuquerques
TV stations transmit from there, along with LOTS of other services).

Mt Taylor, 90 mi West of Albuquerque is pretty impressive, and can be
linked up to repeaters in the Sangre De Cristo mountains near Taos.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From -1403544646753044885
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31e80980e994aef2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,31e80980e994aef2,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-11-29 22:31:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!mit-eddie!rutgers!kb2ear!n2aam
From: n2aam@kb2ear.UUCP (Dave Marthouse N2AAM)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Dove Decoding software
Keywords: Dove Decoding Software Microsat
Message-ID: <675@kb2ear.UUCP>
Date: 29 Nov 90 12:31:49 GMT
Organization: KB2EAR Public Access UN*X, Kendall Park NJ
Lines: 10
Xref: gmdzi rec.ham-radio:17259 rec.ham-radio.packet:3119
Posted: Thu Nov 29 13:31:49 1990

I would like to know what software is being used for decoding Dove? Is it

still the program written by nk6k that was distributed shortly after the micro

satellites were launched. Any information would be appreciated.

Dave Marthouse

n2aam@kb2ear.UUCP

From 2424143379791970012
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5f0964239076a998,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,5f0964239076a998,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-11-29 22:31:24 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!mit-eddie!rutgers!kb2ear!n2aam
From: n2aam@kb2ear.UUCP (Dave Marthouse N2AAM)
Newsgroups: rec.ham-radio,rec.ham-radio.packet

Subject: Microsat bbs software question
Keywords: Microsat BBS Software
Message-ID: <676@kb2ear.UUCP>
Date: 29 Nov 90 12:35:10 GMT
Organization: KB2EAR Public Access UN*X, Kendall Park NJ
Lines: 8
Xref: gmdzi rec.ham-radio:17260 rec.ham-radio.packet:3120
Posted: Thu Nov 29 13:35:10 1990

Is the new software for using the microsats store and forward bbs on line?

If so, can it be gotten via ftp? Any information would be appreciated.

Dave Marthouse

n2aam@kb2ear.UUCP

From -2472847114925418923
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d21f57ba57e0801e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 02:41:58 PST
Path: gmdzi!unido!mcsun!sunic!lth.se!newsuser
From: d89mb@efd.lth.se (Magnus Bodin)
Newsgroups: rec.ham-radio
Subject: Re: QSL Card Dimensions
Message-ID: <1990Nov30.104158.26336@lth.se>
Date: 30 Nov 90 10:41:58 GMT
References: <17562@netcom.UUCP>
Sender: newsuser@lth.se (LTH network news server)
Reply-To: d89mb@efd.lth.se (Magnus Bodin)
Organization: Institute of Tychology, Sweden
Lines: 15
Posted: Fri Nov 30 11:41:58 1990

Yeah, What are the standards?

DIN A6 is sort of standard in Europe (That's 148.5 mm x 105 mm (5.85"x4.13"),
but I've also seen 90x140 (mm) which is about 3.54"x5.51"...

When you've solved the problem with non-metrics some standard would
be fine for QSLs :-)

--
Magnus Bodin   "Nec fasces, nec opes,
Institute of Tychology,   sola artis sceptra perennant"
Box 5127, 220 05 Sweden   (Tycho Brahe, Stj{rneborg 1584)

From -5523417599448771394
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7cac4c26e4d759b2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 05:07:30 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!ucselx!bionet!agate!ucbvax!LNCC.BITNET!USERFRFA
From: USERFRFA@LNCC.BITNET (FRANCISCO ROGERIO FONTENELE ARAGAO)
Newsgroups: rec.ham-radio
Subject: ANTENNA ANALISYS WITH THE C=64
Message-ID: <85649@LNCC.BITNET>
Date: 30 Nov 90 13:07:30 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Fri Nov 30 14:07:30 1990

I LOOK FOR A ANTENNA ANALYSIS PROGRAMM FOR THE COMMODORE 64. THE COMMODORE MACHINES ARE NOT SOLD HERE IN BRAZIL SO IT IS VERY HARD TO OBTAIN SOFTWARE FOR SUCH COMPUTERS. MANY C=64 ARE USED BY HAMS HERE. SOMETIME AGO I SAW A SHORT NOTE IN A HAM MAGAZINE ABOUT A SOFTWARE FOR ANTENNA ANALYSIS USING THE C=64. THE NAME WAS SOMETHING LIKE "MAIL-ORDER ANNIE".
CAN SOMEONE HELP ME WITH INFORMATIONS ABOUT HOW TO GET THESE OR ODER SOFTWARE? ARE THERE SUCH SOFT IN PUBLIC DOMAIN? I HAVE NO MODEM FOR MY COMMODORE SO IT REMAINS FOR ME THE POSSIBILITY TO RECEIVE A DISK BY THE POST.
I WOULKD LIKE TO THANK YOU IN ADVANCE
F. ROGERIO F. ARAGAO   P T 2 T D
DEPARTMENT OF PHYSICS
UNIVERSITY OF BRASILIA
70910 BRASILIA BRAZIL
E-MAIL: USERFRFA@LNCC.BITNET

From 6382190150296137696
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6c90deac7bcfbe1b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 05:26:03 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!
hplabs!hpda!hpcuhb!hpsqf!hpqmola!hpqmole!dstock
From: dstock@hpqmole.sqf.hp.com (David Stockton)
Newsgroups: rec.ham-radio
Subject: Re: ic751a vs ic751 microcode problems
Message-ID: <410013@hpqmole.sqf.hp.com>
Date: 30 Nov 90 13:26:03 GMT
References: <1990Nov26.221138.2724@xanadu.com>
Organization: HP,Queensferry Microwave UK
Lines: 20
Posted: Fri Nov 30 14:26:03 1990

I think that you hit on the worst aspect when you wrote that there was nothing in your manual to warn of impending memory loss and what to do afterwards. Unless the exact models at risk and the action to be taken become well known, Icom run the risk of their other models being confused with the 751 etc. Some people have told me already that they had heard that all Icom gear made after some date had this "feature".

It certainly sounds as if the problem is not so bad, if only band edge values need reprogramming. The idea of a ROM/RAM substitution is probably the most confidence inspiring solution. A QST article would help to de-fuse matters, help people, and help Icom avoid the consequences of any overreaction.

With such a small amount of data, perhaps it would be feasible to use a really crude switch-box programmer ?

Sincere thanks !

David GM4ZNX

From 2886633867525627354
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,e0bf5bd4a8130c8d
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,e0bf5bd4a8130c8d
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,e0bf5bd4a8130c8d
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-30 05:39:47 PST
Path: gmdzi!unido!mcsun!uunet!ncrlnk!ciss!lawday!jra
From: jra@lawday.Dayton.NCR.COM (John.Ackermann@Dayton.NCR.COM)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: Internet-Packet Reply (LONG!)
Message-ID: <508@lawday.Dayton.NCR.COM>
Date: 30 Nov 90 13:39:47 GMT
References: <552.27484404@w8grt.fidonet.org>
Reply-To: jra@lawday.UUCP (John.Ackermann@Dayton.NCR.COM)
Organization: NCR Corporation, Dayton, Ohio
Lines: 14
Xref: gmdzi rec.radio.shortwave:2943 rec.ham-radio.swap:843 rec.ham-radio.packet:3138 rec.ham-radio:17355
Posted: Fri Nov 30 14:39:47 1990

In article <552.27484404@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>
>Piffle! A good EDMEESE type program should catch 99.9% of the possible improper
>messages. As long as we make a good faith effort to comply, the FCC won't
>nitpick if an occasional clinker slips through.
>

From the context and the name, I can guess what EDMEESE does; the
question is, if such a program already exists, where can I find it
(unfortunately, no FTP access here)?

```
--
John R. Ackermann, Jr.                         (513) 445-2966
Law Department, NCR Corporation                         VoicePlus 622-2966
Dayton, Ohio                        John.Ackermann@Dayton.NCR.COM
         ***** Amateur Radio: ag9v@n8acv or ag9v@ag9v.AMPR.ORG *****
```

```
From 4104855978962793631
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 05:48:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
sdd.hp.com!hplabs!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com ( =Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: Files available from Kenwood
Summary: FTP or LISTSERVER  ?????
Message-ID: <116@thoreau.nsc.com>
Date: 30 Nov 90 13:48:16 GMT
References: <901125190431.20417607@STAR.TAMU.EDU> <14208@crdgw1.crd.ge.com>
<1231@west.West.Sun.COM>
Organization: National Semiconductor, S. Portland, Maine
Lines: 12
Posted: Fri Nov 30 14:48:16 1990
```

In article <1231@west.West.Sun.COM>, flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242) writes:

> I dialed into the Kenwood BBS (213) 761-8284 and was quite pleased
> with the depth of the info on line. Here's a sample:

  Long list deleted

This is great stuff, is anyone out in L.A. investigating getting this
sort of stuff onto an ftp site or hooked up to a listserver? How bout
HAMSTER?

K3FR

```
From 3214754100555242812
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 05:53:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
interlan.InterLan.COM!interlan.interlan.com!yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
```

Subject: Re: Another look at Radar Detector Legality for Hams
Message-ID: <YETSKO.90Nov30085327@interlan.interlan.com>
Date: 30 Nov 90 13:53:27 GMT
References: <901125190431.20417607@STAR.TAMU.EDU> <14208@crdgw1.crd.ge.com>
     <568@ssc.UUCP>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 31
Posted: Fri Nov 30 14:53:27 1990
In-reply-to: tad@ssc.UUCP's message of 28 Nov 90 23:38:41 GMT

Years ago, at a job far far away, under the name Mikey at trsvax, I posted an article to rec.auto entitled "The Hitch-hikers Guide to Radar Jamming". It brought a torrent from a few net.police types, and a FLOOD of mail requesting more info.

So, I will not repost, but.....

The only practical economical method of jammimg is to overload the front end of the unit by transmitting pulse mode, which is an illegal mode for X-band ham.

Secondly, the new Radar units are much more sophisticated than in 1980. The last unit I looked at had 2 indicators of interest on the display. One was "RF". This went on when the radar unit detected RF energy above a certain strength that MIGHT interfeer with the radar unit, and the unit would shut down the reading and calculations. This is to prevent interference from on-board radios in the cruiser, but I don't at this time know all the details.

The other indicator is "JA", for JAM! This is activated whenever the radar unit detects a jamming signal. I do NOT know if it looks for the pulse or what, but in snooping I SUSPECT the new units put modulate a tone on the carrier and the JA goes on when the unit can't detect it's own tone. But then, I'm not sure. Do YOU want to risk you drivers license AND your HAM ticket?

Mike Yetsko
InterLan

I don't have a radar detector, it's an application specific field strength indicator.

From 2642763702761328392
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6c90deac7bcfbe1b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 06:41:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!ucselx!bionet!agate!ucbvax!dgc.ceo.dg.com!Pete_Simpson
From: Pete_Simpson@dgc.ceo.dg.com
Newsgroups: rec.ham-radio

Subject: ic751a vs ic751 microcode problems
Message-ID: <9011301441.AB00054@rtp40.dg.com>
Date: 30 Nov 90 14:41:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Fri Nov 30 15:41:00 1990

This is an interesting problem. How does a manufacturer build in frequency limits which may change after every WARC meeting? Although the Icom design might be improved on (say with a EEPROM or something like that), it's still a better solution than the one that came with my Kenwood 940. I assume the processor microcode PROM must be removed & sent back for reprogramming if the band edges widen. Either that, or I could incur the wrath of the net and disable band limit checking altogether by "cutting the wire" :-) It looks to me like Icom ought to have designed in a way to update the contents of that RAM while installed in the transceiver...maybe it was planned but just didn't make it into the final firmware release.

=================================
Peter Simpson, KA1AXY
Data General Corp M/S E132
Westboro, MA 01580
(508) 870-9837
Pete_Simpson@MERCURY.MCEO.DG.COM

From 3182117069043518134
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0aaa3358b071a9a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 07:13:42 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cunixf.cc.columbia.edu!cunixd.cc.columbia.edu!mig
From: mig@cunixd.cc.columbia.edu (Meir)
Newsgroups: rec.ham-radio
Subject: Re: Antenna Matching
Message-ID: <1990Nov30.151342.17122@cunixf.cc.columbia.edu>
Date: 30 Nov 90 15:13:42 GMT
References: <FAA5656555BF200363@uncg.bitnet> <7880377@hpfcdc.HP.COM>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Organization: Columbia University
Lines: 38
Posted: Fri Nov 30 16:13:42 1990

In article <7880377@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>>It also says that the feed line should drop perpendicularly away from the antenna for at least a quarter wavelength. My question is what to do with it after that.
>
>The intent here is to keep common-mode RF off the feedline. Since your transmitter is going to be in the antenna's field in a major way, I don't think you can avoid it. It might be better from a safety standpoint to

>move the shack down to the first floor.
>
>>There is a well-advertised commercial antenna (is
>>it a G5RB dipole or something like that?) that drops balanced line for quite a
>>way into a "black box" with coax out. What sort of a balun is that?
>
>I think it just connects the line to the coax. The G5RV has some
>interesting matching problems, since some of the harmonics are end-fed
>half-waves out of phase, which have K-ohm impedances. All the G5RV
>designs I've seen don't use baluns.
>
>>Never
>>having used balanced line before, I'm a little uncertain of what I can do with
>>it, namely where I can run it, what kind of corners I can turn, etc. (As a
>>starter, I'm using that real wide stuff that looks like TV twin lead with
>>alternating patches of the center plastic cut out. After I learn to handle
>>that, I though I would look for some of the open wire with discrete spacers.)
>
>I've used this stuff, and the rule appears to be "Keep it away from long
>runs of metal parallel to the line."
>
>>Steve - W3GRG
>
>Perry / KF0CA

You *** DON'T *** want to use a balun with the G5RV antenna!

 * * * * * * * ======================= Meir Green
* * * * * * * * ======================= mig@cunixd.cc.columbia.edu
 * * * * * * * ======================= N2JPG

From -277586695360523543
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6c90deac7bcfbe1b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 07:21:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!
usc!elroy.jpl.nasa.gov!ncar!gatech!ukma!andreap
From: andreap@ms.uky.edu (Peach)
Newsgroups: rec.ham-radio
Subject: Re: ic751a vs ic751 microcode problems
Message-ID: <andreap.659978491@s.ms.uky.edu>
Date: 30 Nov 90 15:21:31 GMT
References: <1990Nov26.221138.2724@xanadu.com> <4630020@hpspkla.spk.hp.com>
Organization: U of Ky, Math. Sciences, Lexington KY
Lines: 53
Posted: Fri Nov 30 16:21:31 1990

summers@hpspkla.spk.hp.com (Jim B. Summers) writes:

>Strictly speaking, the microprocessor code is permanent in the 751. All

>that is actually in the battery backed RAM board is data used by that
>code. The RAM contains the frequencies that define the band edges of the
>ham bands. It is in BCD form in the lower 256 bytes of the 1KX4 RAM.
>When the processor determines that the RAM is corrupt it just goes out to
>lunch to prevent out-of-band transmission.

>I think ICOM should have mentioned the RAM feature in the manual (I have
>an IC-751 and there is no mention at all of the future loss of function.)
>Another thing that should be in there is instructions on how to remove the
>RAM board from the radio (without static damage) so that it alone can be
>shipped to ICOM for re-programming when the battery fails. It seems silly
>to have to ship the whole radio when it isn't really necessary.

>When I first discovered the RAM feature of the ICOM radios I got a schematic
>of the RAM board from ICOM and figured out how to re-program it myself so
>that when the battery does go I would be covered. I would consider writing
>an article for QST with perhaps a schematic for a board that would interface
>to a PC via RS232 which would allow re-programming any of the RAM boards if
>there is any interest. Another thing that puzzles me is why someone, ICOM
>or someone else, hasn't come out with a replacement board with ROM providing
>the frequency data and RAM for the memories, vfo's etc. It seems like that
>would be easy and would make everyone happy.

I am the owner of an ICOM 745 which also contains code in RAM. I have known about this problem for sometime and like many other readers of the group have been somewhat puzzled as to why ICOM would do such a thing. After reading this posting, their logic has become clear to me.

By putting the bands and their edges in RAM, ICOM created radios that can be reprogrammed to reflect new band allocations or changes in the existing band edges. I remember what a problem the new WARC bands created in the early '80s. Everyone had to trash their old equipment and buy new stuff. With the 745/751/751a, all we should have to do, after the '92 WARC, is send the boards back to ICOM for reprogramming with the new allocations.

A second reason they might have done this is profit. It was probably cheaper to design one radio that could be used throughout the world, and then program in the band allocations for the desired country. This way, the same board could be used world-wide, and excess inventory in one country could be diverted to another country just by reprogramming the board!

I like the idea of a replacement ROM board, but it might be smart for someone designing one to wait until after the '92 WARC so they can include any changes that might be made.

Harold Peach, N4FLZ
* Reply to hgpeach@ca.uky.edu. Posting account is not mine.

From 9116663370838635661
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,fa8db8f811228a40,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 07:28:15 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!psuvax1!rutgers!soleil!mlb.semi.harris.com!spuds.mlb.semi.harris.com!grb
From: grb@spuds.mlb.semi.harris.com (Jerry Bechtel)
Newsgroups: rec.ham-radio
Subject: Regency Scanner Mod
Message-ID: <1990Nov30.152815.20847@mlb.semi.harris.com>
Date: 30 Nov 90 15:28:15 GMT
Sender: news@mlb.semi.harris.com
Organization: Harris Semiconductor, Melbourne FL
Lines: 24
Posted: Fri Nov 30 16:28:15 1990
Nntp-Posting-Host: spuds.mlb.semi.harris.com

I have a handheld Scanner from DAK, Regency R 4030, that boasts 800 MHz band coverage. Well actually it gets part of the 800 band on the high and low side, but the middle of the band has been locked out. I was wandering of anyone new of a quick fix that will "unlock" these frequencies. Since the PLL is capable of capturing even up into the 900 MHz band I assume it's not a problem with the capability of the unit but rather Regency purposely is restiricting these channels.

I had heard about clipping some diodes or something like that. This scanner looks identical to Bearcat scanners except for some of the plastic colors. The R 4030 is a 200 channel programmable handheld if that helps any with identification.

73s
Jerry KC4TIB

Pls use inet address below

```
--
#          Jerry Bechtel             ##     P.O. Box: 883                 ####
## inet:   grb@mlb.semi.harris.com    ##    Mail Stop: 54-102              ###
### phone: (407) 729-5286              ##   Melbourne, Fl. 32902-0883       ##
#### fax:  (407) 729-5005               ##                                   #
```

From 5915611937250337228
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,875da3846af1da1b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 08:51:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!rutgers!gatech!ukma!andreap
From: andreap@ms.uky.edu (Peach)
Newsgroups: rec.ham-radio
Subject: Re: ICOM Batteries (memory)
Message-ID: <andreap.659983885@s.ms.uky.edu>
Date: 30 Nov 90 16:51:25 GMT

References: <552@ssc.UUCP> <410010@hpqmole.sqf.hp.com>
Organization: U of Ky, Math. Sciences, Lexington KY
Lines: 36
Posted: Fri Nov 30 17:51:25 1990

dstock@hpqmole.sqf.hp.com (David Stockton) writes:

>   I don't have anything at risk myself, but I do seem to be spending
>an increasing amount of time with other peoples gear laid out on my bench.
>I just want to be able to avoid such pitfalls as swapping a lithium cell
>in the safest way (WITH NO EXTERNAL POWER APPLIED) only to discover
>a catatonic microprocessor.

I just finished balking with ICOM about this battery deal. They say
they recently check an ICOM 751a that has been used less than 10% of
the time. The battery shows no signs of quiting after 8 years. They
expect it to last between 10 and 15 years.

They stated that the following models are affected by the RAM battery
issue:

ICOM IC- 745, 751, 751a, R71, 271, and 47

No other ICOM radios are involved. They said the reason for their use
of RAM was because it was the only RFI immune chip at the time.

(I am just relaying their comments!)

>   NB some lithium batteries carry dire warnings of risk of explosion
>and have maximum permitted reverse currents of 0.05 MICROAMPS. using
>an external supply carries more risks than just a transient corrupting
>the data.

>   Many thanks,   GM4ZNX
>

>k

From -7827473912330350103
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62fae5853813f612,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,62fae5853813f612,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-11-30 09:11:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!aplcen!boingo.med.jhu.edu!haven!decuac!pa.dec.com!
decabo.enet.dec.com!brewer@ace.enet.dec.com

```
From: brewer@ace.dec.com (John Brewer)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Looking for old QEX article
Message-ID: <133@decabo.enet.dec.com>
Date: 30 Nov 90 17:11:01 GMT
Sender: news@decabo.enet.dec.com
Followup-To: rec.ham-radio
Organization: Digital Equipment Corporation
Lines: 15
Xref: gmdzi rec.ham-radio:17311 rec.ham-radio.packet:3131
Posted: Fri Nov 30 18:11:01 1990
```

A local group here is building a repeater controller using the 8052 Basic uController.

Does anyone have a copy of the October 1988 issue of QEX that would copy pages 3-9 and 15? This article evidently describes the use of this device, and is needed to complete the project.

Any help would be *greatly* appreciated.

73
/john WB5OAU

(brewer@ace.enet.com)

```
From -3170476397753413985
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,47f15e7126c5b089,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 09:13:28 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!sdd.hp.com!
ucsd!pacbell.com!ames!dftsrv!mimsy!mojo!chuck
From: chuck@eng.umd.edu (Chuck Harris)
Newsgroups: rec.ham-radio
Subject: SPICE would be nice
Message-ID: <1990Nov30.171328.10105@eng.umd.edu>
Date: 30 Nov 90 17:13:28 GMT
Sender: news@eng.umd.edu (C-News)
Organization: College of Engineering, University of  Maryland, College Park
Lines: 8
Posted: Fri Nov 30 18:13:28 1990
```

Hi,

I was wondering if anyone out in netland knew of the location of the latest version of Berkley SPICE. I would like to FTP a copy for my SUN, but don't know perzactly where to look.

Thanx,
Chuck Harris - WA3UQV

chuck@eng.umd.edu

From -2314458236435034402
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,46d48707c8014c26
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 09:37:33 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!andyw
From: andyw@aspen32.cray.com (Andy Warner)
Newsgroups: rec.ham-radio
Subject: Re: Can't Find MailCenter!
Message-ID: <143402.1587@timbuk.cray.com>
Date: 30 Nov 90 17:37:33 GMT
References: <9011272040.AA9506@f170.n771.z3.fidonet.org>
Reply-To: andyw@aspen32.cray.com (Andy Warner)
Organization: Cray Research, Inc.
Lines: 13
Posted: Fri Nov 30 18:37:33 1990

Is anyone else out there getting these postings ?

Looks like a fidonet mailing list has gone a little wild !

|> * Origin: Bonafido Usenet <====> Fido Gateway.   (3:771/170.0)

Maybe someone at Bonafido can knock this on the head.

--
andyw.   (W0/G1XRL)

andyw@aspen.cray.com   Andy Warner, Cray Research, Inc. (612) 683-5835

From -8599456757976649983
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7295d138fa246f39
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 09:50:15 PST
Path: gmdzi!unido!mcsun!uunet!olivea!apple!xanadu!jeff
From: jeff@xanadu.com (Jeff Crilly N6ZFX)
Newsgroups: rec.ham-radio
Subject: Re: Internet <---> Packet
Summary: At least read the last paragraph
Message-ID: <1990Nov30.175015.18206@xanadu.com>
Date: 30 Nov 90 17:50:15 GMT
References: <9011292352.AA20828@ucsd.edu>
Organization: /etc/organization
Lines: 59
Posted: Fri Nov 30 18:50:15 1990

In article <9011292352.AA20828@ucsd.edu> MARC003@UNLVM.BITNET ("Randy Bradley ",

waiting still) writes:
>
>   Perhaps the greatest value to hams of such a link as is being discussed
>would be that hams on a packet network could have access to the vast
>wealth of information and resources on the internet.
>
> [Stuff deleted...]
>
>Therefore, I would
>suggest that a solution to this debate would be that initial software on the
>gateways allow packet network operators (legal by definition:-) access to the
>internet, however, restrict internet users from accessing the packet network.
>
>   I know, I know... (but I want to access my home computer from work:-()
>well, the gatekeeper could set up passwords, secutity locks, etc. and only
>allow access to the packet network after verification that the accessee is
>truely a licensed ham.
>
>

Actually, I have no reason to access my home computer from work. If I did I could just call up the telebit at my house and get fast reliable transfers. (I only have a 1200 bps TNC.) However, I don't have internet access from work. So what you suggest is great! I could ftp sites, etc. from my house.

However, there is one flaw. Me as the end user on the packet side ftps to a site on the internet, through some packet/internet gateway (actually a router). Now I peruse that machines anonymous directory, and do a get on some file I *think* might be interesting. However, to my shocking amazment it contains some foul language (imagine a news digest).

See the point? I still think that this situation falls under the third party traffic rules. I am in contact with a third party who is using the gateway's station for its transmissions. Its just like when you use a phone patch to contact someone via another amateur station. If the person at the end of the patch uses unnacceptable language, then it is up to the operator of that station to do something. (I think repeater autopatches fall under a different set of rules.) On the same line of reasoning the operator of the gateway would still have to screen traffic from the internet side to the packet side.

Now mail would be o.k. One way mail. From the packet to internet. I see no reason why not.

I think that what I would rather see is a reverse of what Tad Cook and some other fine providers of ARRL bulletins do. Instead of forwarding from packet to the net, why not forward news (maybe the digest) to packet. I check out the local packet BBS occassionaly and the technical content of those messages is kinda low. I wish it were higher. Aren't the packet to news forwards manual? I guess they could be automatic. If there is someone out there that is reading the digest, then he could just select the good articles and forward them when he's done. Actually it could even be done through rn or trn.

Thanks

Jeff Crilly (N6ZFX)
AMIX Corporation 2345 Yale Street Palo Alto, CA 94306
jeff@markets.amix.com, {uunet,sun}!markets!jeff, N6ZFX@N6IIU.#NOCAL.CA.USA

From 5433998082355932685
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,87d9759ab2cbbbba
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 09:53:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!usc!cs.utexas.edu!oakhill!nddsun1!dover!darla!waters
From: waters@darla.sps.mot.com (Strawberry Jammer)
Newsgroups: rec.ham-radio
Subject: Re: Dr-590 results
Message-ID: <2474@dover.sps.mot.com>
Date: 30 Nov 90 17:53:21 GMT
References: <9011261526.AA12053@lonexc.radc.af.mil> <2470@dover.sps.mot.com> <1990Nov29.041838.7252@ux1.cso.uiuc.edu>
Sender: usenet@dover.sps.mot.com
Reply-To: waters@darla.sps.mot.com (Strawberry Jammer)
Organization: Hacker's haven
Lines: 32
Posted: Fri Nov 30 18:53:21 1990

In article <1990Nov29.041838.7252@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN) writes:
{waters@darla.sps.mot.com (Strawberry Jammer) writes:
{
{>{This is what you will find . . .
{>{The rig now transmits everywhere.
{
{>This I do NOT consider a virtue, if I want to transmit out of band I want
{>to KNOW that I am doing it! I have caught myself twice now replying to a
{>VHF repeater on the UHF state police frequency. They use PL and I cought it
{>after getting only "Alpha Alpha OOOPS" out, but that is still not something
{>I like to do! All to easy in city traffic though.
{
{Do what I do... I program all NON-ham repeater pairs with the offset in
{the opposite direction (but by the correct amount). In the case of repeater
{outputs in the 450-455 MHz range, you would be transmitting in the ham band.

That is one way to minimize the problem I will admit, doesn't work with the
AZ DPS on 460.xx though :-) For practical purposes using simplex will
minimize the QRM since they use a PL tone and a repeater. Of course if you
get into the repeater ...

I would much prefer a switch or wire to cut however. With a microprocessor
controlled rig it would be trivial to add TX enables for every 10 Mhz
segment for example, wouldn't even need extra pins on the IC/board since

the speed required is low enough to be easily multiplexed.

Now if *I* were designing it ... :-)

*Mike Waters   AA4MW/7 waters@dover.sps.mot.com *

There is no right way to do wrong.

From -6369878580352067368
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,99d4d5630f976d81,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,99d4d5630f976d81,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-11-30 10:15:47 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!milton!uw-beaver!cornell!vax5.cit.cornell.edu!sdry
From: sdry@vax5.cit.cornell.edu (Sergio Gelato)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: 5 Mhz & Time Stations
Message-ID: <1990Nov30.141547.1271@vax5.cit.cornell.edu>
Date: 30 Nov 90 18:15:47 GMT
References: <223@heimat.UUCP> <36347@cup.portal.com>
Distribution: na,rec
Lines: 10
Xref: gmdzi rec.ham-radio:17362 rec.radio.shortwave:2947
Posted: Fri Nov 30 19:15:47 1990

In article <36347@cup.portal.com>,
ckp@cup.portal.com (Christine K Paustian) writes:
> YVTO is a Time Signal which broadcasts on 6100 kHz from Caracas - none of
> my references indicate the presence of a Time Signal in Venezuela on 5000 kHz

---

From 2998061773481819901
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0aaa3358b071a9a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 10:35:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!pacbell.com!att!cbnewsl!moss!feg
From: feg@moss.ATT.COM (Forrest Gehrke,2C-119,7239,ATTBL)
Newsgroups: rec.ham-radio
Subject: Re: Antenna Matching
Message-ID: <1990Nov30.183558.5951@cbnewsl.att.com>
Date: 30 Nov 90 18:35:58 GMT
References: <FAA5656555BF200363@uncg.bitnet> <410012@hpqmole.sqf.hp.com>
Sender: @cbnewsl.att.com
Reply-To: feg@moss.ATT.COM (Forrest Gehrke)
Organization: AT&T Bell Laboratories
Lines: 25

Posted: Fri Nov 30 19:35:58 1990

In article <410012@hpqmole.sqf.hp.com> dstock@hpqmole.sqf.hp.com (David Stockton) writes:
>
>   If I remember rightly the bottom end of the G5RV was designed to
>come our at about 75 ohms. The original design just connects the bottom
>end of the OPEN WIRE feeder to the co-ax - no balun.
>
> Louis varney G5RV himself recommends an ATU design with a true balanced
>output and no balun. He seems to get asked frequently about this and
>so re-publishes details every now and then. There was a fairly
>comprehensive article by him on this subject in RADCOM within the past
>couple of years. These antennas are definately compromise jobs, but do
>well for what they are. Don't expect low VSWR, if you can use all balanced
>feed line and balanced ATU. If you get a very bad match at any frequency
>of importance, you can shift it by changing feeder length.
>

Except for any change in coax loss as a result of changing feeder length, you can not change the SWR of a load (the antenna at the other end) by changing feeder length. What you can do is to cause a change in the impedance seen by your transmitter--which it may like better because you have brought either the resistance or reactance into the range acceptable by your transmitter coupler.

Forrest Gehrke feg@dodger.att.com k2bt

From -7676377028566256528
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96f96cb9808e4586
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 10:41:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!usc!cs.utexas.edu!oakhill!nddsun1!dover!darla!waters
From: waters@darla.sps.mot.com (Strawberry Jammer)
Newsgroups: rec.ham-radio
Subject: Re: CW Questions from a novice
Keywords: CW
Message-ID: <2476@dover.sps.mot.com>
Date: 30 Nov 90 18:41:55 GMT
References: <815@idacrd.UUCP> <1990Nov29.033524.23715@informix.com>
Sender: usenet@dover.sps.mot.com
Reply-To: waters@darla.sps.mot.com (Strawberry Jammer)
Organization: Hacker's haven
Lines: 68
Posted: Fri Nov 30 19:41:55 1990

In article <1990Nov29.033524.23715@informix.com> randall@informix.com (Randall Rhea) writes:
{I have been a ham for 8 months, and have upgraded to advanced class. Would

{you believe that I've never made a CW QSO?   I really would like to get
{involved in CW, but I feel like a complete ignoramus. I have an ICOM-735
{with the built-in keyer. I have these questions:
{
{1) How do I answer a CQ? I hear a guy calling CQ, and I want to answer him,
{but how? What do I send? Like I say, I'm pretty ignorant.

THe best advice I can give is LISTEN! See what the other stations are saying. THat advice applies to just about any ham radio activity BTW, ESPECIALLY DXing and contesting!

The normal protocol is to call with a 1 X 3 response. If you were calling CQ for example I would send:

KK6MV DE AA4MW AA4MW AA4MW K

(1) send a little slower than the other station NEVER faster! I sometimes work the novice bands for fun and if someone responds to my 5 wpm call at 35 wpm the I will also send at 35 wpm - and sometimes find its someone "showing off". After a few years of CW the higher speeds are actually much easier than low speeds.

(2) give the station a few seconds (say 20 seconds) to respond and then repeat the call.

Once he responds to you then you can give your rig, QTH etc. just like an SSB QSO.

Feel free to use reasonable abbreviations but don't go overboard. Very few novices can interpret HPE CUAGN SN OM. A table of common "Q" signals is helpful though, you probably know more of these than you think and they were invented for CW.

Don't expect the other guy to be any more experienced than you are - it is a NOVICE band after all. You will both make mistakes, just try to learn from them.

{2) On what frequency do I answer the CQ? If I hear him, do I answer him on
{that frequency, or do I move the dial until his tone is at the lowest point?

Pick a tone that is comfortable, about 1khz. Transcievers are made to offset the TX frequency to allow for this. In heavy QRM use the RIT (if any) to adjust to a lower tone. I have used as low as 100 Hz (with an audio filter and 150 Hz mech. filter in the line too!) in really awfull conditions, but if things get that bad you should probably QRT.

{3) Which bands would you recommend for a beginner? Obviously, the novice
{sections of the bands are good. I like 40 meters, but broadcast stations
{usually obliterate the band.

I would suggest the 40M novice band in the DAY or 80M at night. Mostly because you WON'T get much DX so the QRM will be lower. THe QRM always gets worse after you start a QSO BTW :-)

Good luck and don't feel self conscious about mistakes, expect them and learn from them!

CW can be a lot of fun and is WELL worth the effort to master it - that means 30+ wpm though not just 13! Get some cassettes with conversations (or W1AW) and listen to them in the background while you do something else. Before a year is out you will be hearing 30+ wpm with no problem.

*Mike Waters   AA4MW/7 waters@dover.sps.mot.com *

There is no right way to do wrong.

From 5341316831701327031
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4cae16bf190878c3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 11:02:56 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!XEROX.COM!Hugh_E._Wells.El_Segundo
From: Hugh_E._Wells.El_Segundo@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Wanted distance formulas
Message-ID: <"30-Nov-90.11:02:56.PST".*.Hugh_E._Wells.El_Segundo@Xerox.com>
Date: 30 Nov 90 19:02:56 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11
Posted: Fri Nov 30 20:02:56 1990

There have been several programs written in BASIC and published in the ham magazines over the years.

Perhaps the one you desire which seems to answer the question of the earth's curvature between points of interest was printed in 73 Magazine, December 1978, pg 174. An additional article on the same subject, but less comprehensive was printed in 73 Magazine December 1977, pg 106.

73
Hugh Wells
W6WTU

From 6832129204315720581
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c6dc677f448b66d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 12:12:23 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)

Newsgroups: rec.ham-radio
Subject: Re: VLF Aircraft Radio Beacons
Keywords: VLF Beacons
Message-ID: <4386@lib.tmc.edu>
Date: 30 Nov 90 20:12:23 GMT
References: <4377@lib.tmc.edu> <4378@lib.tmc.edu>
<1990Nov28.223556.6329@ux1.cso.uiuc.edu>
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 19
Posted: Fri Nov 30 21:12:23 1990
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <1990Nov28.223556.6329@ux1.cso.uiuc.edu> kline@ux1.cso.uiuc.edu
(Charley Kline) writes:
>LOM's id with the first two letters of the airport identifier that is
>being served by the marker; LMM's id with the last two. For instance,
>here in Champaign IL, the airport identifier is CMI, so the LOM id's as
>"CM". If we had a LMM (we don't), it would id as "MI".

Well, almost. The LOM/LMM IDs do follow that pattern, but it's not the airport
ID, but the ILS ID that they correspond to. In the case of the first or only
ILS at a field, it's the same as the airport ID (usually), but others bear no
relationship to the airport ID at all. Houston Intercontinental is a good
example: it has 6 ILSs, and only one can be IAH. The rest are things like
JYQ, CJF, ...

(I bet the folks out there weren't aware that us pilot types have to deal with
some things that are stranger than even the FCC's worst machinations! :-)
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
         "With design like this, who needs bugs?" - Boyd Roberts

From 6698116270245370353
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96fcdbc04ee4e2ff,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 12:15:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
hcvdl.csc.ti.com!hurta
From: hurta@hcvdl.csc.ti.com (Dwaine Hurta, 917-0830, Hillcrest)
Newsgroups: rec.ham-radio
Subject: IP address coordinator?
Message-ID: <9011302015.AA23379@tilde>
Date: 30 Nov 90 20:15:51 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Fri Nov 30 21:15:51 1990

I'm interested in getting into TCP/IP. It dawned on me that someone must be coordinating the radio IP addresses. Could someone tell me who to get in touch with to get an IP address assigned to my station?

Also, is anyone familiar with who's running TCP/IP in Texas, and in the Dallas area specifically? And what frequencies?

I plan on running the KA9Q package...

Thanks,
Dwaine
- - - - -
Dwaine Hurta, N5HD   hurta@hcvdl.csc.ti.com
Texas Instruments, Dallas, Texas   N5HD @ N5LDD.#DFW.TX.USA.NA

From 7815722943123560654
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96f96cb9808e4586
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 13:14:36 PST
Path: gmdzi!unido!mcsun!uunet!olivea!apple!netcom!edg
From: edg@netcom.UUCP (Edward Greenberg)
Newsgroups: rec.ham-radio
Subject: Another CW Question from A Technician :-)
Keywords: CW
Message-ID: <17788@netcom.UUCP>
Date: 30 Nov 90 21:14:36 GMT
References: <815@idacrd.UUCP> <1990Nov29.033524.23715@informix.com> <4454@altos86.Altos.COM>
Organization: Netcom- The Bay Area's Public Access Unix System {408 241-9760 guest}
Lines: 19
Posted: Fri Nov 30 22:14:36 1990

In article <4454@altos86.Altos.COM> jerry@altos86.UUCP (Jerry Gardner) writes:
>I would then answer with something like:
>
>KK6MY DE NJ6A GE OM TNX FER CALL UR RST 599 QTH SAN RAMON, CA NAME HR
>JERRY HW CPY? KK6MY DE NJ6A K
>
>In English this is: good evening old man, thanks for the call. Your signal
>report is 599. My location is San Ramon, Ca. My name is Jerry. How do
>you copy?
>
I note that lots of exchanges include the HW CPY? on each call. Does this question refer to another signal report or an inquiry as to how much of the transmission did the other fellow get?

-edg
--
Ed Greenberg   WB2GOH/6
edg@netcom   {amdahl | amdcad | apple}!netcom!edg
CompuServe: 76703,1070   Packet Radio: WB2GOH @ N6LDL.CA.USA.NA

From 3858168377005748508
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ec1619dead03f720,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 13:34:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!uakari.primate.wisc.edu!samsung!cs.utexas.edu!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: rec.ham-radio.legal: Formal proposal is coming
Message-ID: <4387@lib.tmc.edu>
Date: 30 Nov 90 21:34:46 GMT
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 22
Posted: Fri Nov 30 22:34:46 1990
Nntp-Posting-Host: thesis1.hsch.utexas.edu
Originator: jmaynard@thesis1.hsch.utexas.edu

There's been some discussion here about my proposal for rec.ham-radio.legal. It's been mostly favorable, and so I'm going to proceed with the formalities getting the group created.

There's been some sentiment for a rec.ham-radio.tech group. The idea, as I understand it, is to move the technical discussions away from the flamage, than the other way around. I have only one problem with this idea: there's more to ham radio than just technical issues. A .tech group would leave the rest of us wading through the legal flamage to find articles of interest that aren't technical, but aren't controversial either.

I feel that .legal is the most logical split to move the flamage, and leave non-controversial articles, available in the group. Hence, I'm sticking with the original proposal.

Expect to see the formal Call for Discussion in news.announce.newgroups next Monday morning.
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
"With design like this, who needs bugs?" - Boyd Roberts

From -6837777195167001323
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cecaa7680a22bc0c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 14:15:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!caen!uflorida!haven!decuac!pa.dec.com!merlot.enet.dec.com!bassett
From: bassett@merlot.enet.dec.com (Greg Bassett)

Newsgroups: rec.ham-radio
Subject: NTS to MARS link?
Message-ID: <1990Nov30.141439@merlot.enet.dec.com>
Date: 30 Nov 90 22:15:58 GMT
Sender: news@pa.dec.com (News)
Reply-To: bassett@merlot.enet.dec.com (Greg Bassett)
Followup-To: rec.ham-radio
Organization: Digital Equipment Corporation
Lines: 26
Posted: Fri Nov 30 23:15:58 1990

For the last couple of years, the local ARES organizations have set up a booth at one of the local Malls (Newpark Mall in Newark, CA) to send holiday traffic for shoppers.

This year we expect to be asked if there is anyway to send message to service-people stationed in Saudi Arabia.

Therefore:

Is there any NTS link to MARS (or any other way) to send traffic from an NTS packet station to service people overseas?

By the way, the most difficult problem is finding shoppers that know the telephone numbers and zipcodes in order to send proper NTS messages. Hopefully, significant prior publicity will help this year.

Holiday cheer to all,

****
****
Greg - KJ6EP
EC Fremont, CA
bassett@merlot.enet.dec.com
****
****

From 5567406686107311170
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61aeb9b2f9330996,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 14:35:04 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!usc!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Derek Wills)
Newsgroups: rec.ham-radio
Subject: advice to CW novices
Message-ID: <40465@ut-emx.uucp>
Date: 30 Nov 90 22:35:04 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 22

```
Posted: Fri Nov 30 23:35:04 1990

In article <4454@altos86.Altos.COM> jerry@altos86.UUCP (Jerry Gardner) writes:
>I would then answer with something like:
>
>KK6MY DE NJ6A GE OM TNX FER CALL  UR RST 599  QTH SAN RAMON, CA  NAME HR
                  ^^
>
>In English this is: good evening old man, thanks for the call.  Your signal
                                      ^^^

Jerry, can you please explain to us how you know that the person calling is
male?   I find it impossible to distinguish male cw sending from female cw
sending, so I would really appreciate knowing the secret.  I wouldn't want
to address a male ham as a female, or do the reverse.  I'm sure you don't
want to perpetuate the idea that only males can be radio hams, or do you?

88, old woman -

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712.  (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu


From -8748941000093770418
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6906a1d64aa3485d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 14:44:48 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Space Shuttle Updates
Message-ID: <643.2756AD39@w8grt.fidonet.org>
Date: 30 Nov 90 22:44:48 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 20
Posted: Fri Nov 30 23:44:48 1990


 > From: wejones@CRDEC7.APGEA.ARMY.MIL ("William E. Jones III")
 > Date: 27 Nov 90 16:39:58 GMT
 > Organization: The Internet
 > Message-ID: <9011271139.aa05074@crdec7.apgea.army.mil>
 > Newsgroups: rec.ham-radio
 >
 > This may or may not be of interest to people, but in addition to the
 > shuttle status reports posted to this group, there are "Shuttle Status"
 > (ss),
 > "Payload Status" (ps), "Launch Advisories" (la), "Headline News", etc
 > available on ames.arc.nasa.gov (128.102.18.3) via ftp.  The are in a
```

These are also available as part of maillists. Conmtact Peter Yee
("yee@ames.nasa.gov") for more details.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -1139627641134119821
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6906a1d64aa3485d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 14:54:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!uakari.primate.wisc.edu!samsung!
sdd.hp.com!ucsd!ucbvax!hls.com!trop
From: trop@hls.com (Troy T. Pummill)
Newsgroups: rec.ham-radio
Subject: Re: Space Shuttle Updates
Message-ID: <9011302254.AA21589@hls.com>
Date: 30 Nov 90 22:54:09 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Fri Nov 30 23:54:09 1990

Actually, the information contained on ames.arc.nasa.gov (available
anonymous ftp) is ACTUALLY a sub-set of the exact same information
available from SpaceLink.....

```
-----------------------------------------------------------------------------
|  Troy T. Pummill, N6XMV   |  trop@hls.com                               |
|  Sr. Technical Instructor |  ...uunet!lanslide.hls.com!trop             |
|  Hughes LAN Systems       |  1225 Charleston Rd., Silicon Gulch         |
|  Mountain View, CA  94043 |  The preceding drivel is entirely my own!  |
-----------------------------------------------------------------------------
```

Invisible airwaves crackle with life, bright antenna bristles with the energy
Emotional feedback on timeless wavelength, bearing a gift beyond price....
Almost free.   "Spirit of Radio" - Rush

From 6990622529088022837
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d31ce3361f737818,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 14:57:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!
ucsd!ucbvax!ALF.UNOMAHA.EDU!pschleck
From: pschleck@ALF.UNOMAHA.EDU (Paul W. Schleck KD3FU)
Newsgroups: rec.ham-radio

Subject: 27 1/2 meter band
Message-ID: <9011302257.AA02818@alf.unomaha.edu>
Date: 30 Nov 90 22:57:18 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Lines: 10
Posted: Fri Nov 30 23:57:18 1990

Advertised in the DAMARK holiday catalogue:

ICON (with an 'N') Multi-Band FM, CB, TV Band Radio

- Receives all CB channels 1-80

Hmmm, so THAT explains all that activity from 27.5 up through 28!

Paul, KD3FU

From -7394360907469682093
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,33e268b98ba0072a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,33e268b98ba0072a,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-11-30 16:19:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!sun-barr!rutgers!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: UNIDEN QSK MODIFICATION
Keywords: Modification for packet, amtor, etc.
Message-ID: <376@ka2qhd.UUCP>
Date: 1 Dec 90 00:19:21 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 43
Xref: gmdzi rec.ham-radio:17407 rec.ham-radio.packet:3142
Posted: Sat Dec 1 01:19:21 1990

I just received this note on packet. It might be of interest to those who own Uniden 10-meter transceivers and wish to use them on packet and/or AMTOR:

```
 Msg# TSP  Size To     @ BBS  From    Date  Time Bid
15362 PY   1569 KD2BD         N7ETV  901130 1711
Subject: UNIDEN QSK MODIFICATION
```

Thanks!!! to Craig, N7ETV for the following info...I will copy this to all of you who responded to my message.

Mike/KA3NVP

HELLO:

AFTER HOOKING UP MY HR-2600 TO MY PK-232, I FOUND I HAD SOME PROBLEMS USING IT IN AMTOR. SINCE I LOVE TO MODIFY AND "FIX" RIGS, I GRABBED MY TEST EQUIPMENT AND SET OUT TO FIND OUT WHY THERE WAS A LONG SWITCH-OVER DELAY TIME. AFTER A FEW MINUTES, I FOUND OUT THAT THE RECIEVER WAS COMMING UP OK. IT WAS THE MUTE CIRCUT THAT WAS SLOW. I FOUND TWO CAPACITORS THAT WERE RESPONSIBLE FOR THE DELAY IN THE MUTE CIRCUT. TO FIX THE PROBLEM, CHANGE OUT C74 AND C99 (BOTH ARE 4.7uf @ 50VDC) WITH .01uf DISC CAPACITORS WITH A VOLTAGE RATING GREATER THAN 15VDC. THESE CAPACITORS ARE ALSO FOUND IN THE HR-2510 AS WELL. THESE SEEM TO BE C139 AND C99 IN THE HR-2510 IF MY COPY IS RIGHT. THESE CAPACITORS ARE LOCATED NEXT TO THE AUDIO OUTPUT IC (TDA1905) IN THE RADIO. THIS I.C. IS LISTED AS IC2 IN THE HR-2600 AND IC103 IN THE HR-2510. I ALSO FOUND THE S/RF METER TO BE VERY SLOW IN MY RIG. I FIXED THIS BY CHANGING C302 ON THE CONTROL UNIT (LOCATED NEXT TO J304) TO A .01uf DISC CAPACITOR ALSO. THIS CAPACITOR IS ALSO IN THE HR-2510. AFTER THESE MODIFICATIONS, I HAD NO MORE PROBLEMS MAKING ANY CONNECTS IN ANY MODE. 73'S AND ENJOY THE UNIDEN!

CRAIG/N7ETV @ WB6MQM
LAS VEGAS, NEVADA. 89121

NN2Z>

73, de John, KD2BD

--

John A. Magliacane   FAX : (908) 747-7107
Electronics Technology Department AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College   UUCP : ...!rutgers!ka2qhd!kd2bd
Lincroft, NJ 07738 USA   VOICE: (908) 842-1900 ext 607

From -7499584222488870530
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61aeb9b2f9330996
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 17:05:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!ogicse!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: advice to CW novices
Message-ID: <23980@ucsd.Edu>
Date: 1 Dec 90 01:05:38 GMT
References: <40465@ut-emx.uucp>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 26
Posted: Sat Dec 1 02:05:38 1990

In article <40465@ut-emx.uucp> oo7@ut-emx.uucp (Derek Wills) writes:

>>   ... OM ...   ::=   "old man"

>Jerry, can you please explain to us how you know that the person calling is
>male?   I find it impossible to distinguish male cw sending from female cw
>sending, so I would really appreciate knowing the secret. I wouldn't want
>to address a male ham as a female, or do the reverse. I'm sure you don't

>want to perpetuate the idea that only males can be radio hams, or do you?
>88, old woman -

Coming from someone whose login is the trademark of the ultimate in macho womanizing males, I find your false piety ludicrous.

Linguistic pseudo-feminism is the hobgoblin of tiny minds. It's an easy victory in an unchallenging battle, and of no possible interest to anyone who has risen above the pharisaic.

Indeed, "OM" could have easily stood for "Old Mother", or perhaps even "Old Mother-....". So Jerry could be incorrect. But given the current distribution, he's more likely correct in imputing a male rather than a female on the other end of the connection. Now if you want to do something about THAT, you have a worthwhile target for your apparently overabundant energies. And you would stop annoying the rest of us while you're at it.

That is, if you think most hams are human. I often wonder.
     - Brian

From 4182525613087225403
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ca9fdb563c46a07
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 17:51:47 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: HT experiences?
Message-ID: <1638@ke4zv.UUCP>
Date: 1 Dec 90 01:51:47 GMT
References: <"29-Nov-90.17:06:11.PST".*.John_L._Levin.El_Segundo@Xerox.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 20
Posted: Sat Dec 1 02:51:47 1990

In article <"29-Nov-90.17:06:11.PST".*.John_L._Levin.El_Segundo@Xerox.com> John_L._Levin.El_Segundo@XEROX.COM writes:
>I am new to amateur radio and am currently in the market for a dual-band 2m -
>70cm HT. I have narrowed the search to two units, based primarily on budget
>constraints.   The two in question are the Kenwood TH-77A and the Yaesu FT-470.
>I would appreciate any comments, or experiences any of you have had with either
>of these two units.

I've commented on this before, but here goes again. I am very impressed with the FT470. I was a confirmed Icom'aholic before I got the 470. I think it is the best feature for the dollar radio on the market. It's extremely rugged with a metal case. I've now dropped mine off a tower and it survived. There are a couple of complaints keeping it from being perfect however. First, the receive audio is not very loud making it a little hard to use in an open jeep at speed. Secondly, the desk charger is a strict timed charger with no sensing. It can fry your batteries. Other than those two complaints, however, I love this radio. It's keyboard command system is among the easiest to understand and use of any of the HTs. If you use one for a week, you'll never want to go back to anything else (IMHO).

Gary KE4ZV

From 4160937340442245754
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 19:59:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Internet-Packet Reply (LONG!)
Message-ID: <644.2756EB68@w8grt.fidonet.org>
Date: 1 Dec 90 03:59:51 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 84
Posted: Sat Dec 1 04:59:51 1990

```
 > From: jbloom@uhasun.hartford.edu (Jon Bloom)
 > Date: 28 Nov 90 14:47:24 GMT
 > Organization: The University of Hartford
 > Message-ID: <368@ultrix.uhasun.hartford.edu>
 > Newsgroups: rec.ham-radio
 >
 > In article <602.27528414@w8grt.fidonet.org>, jim.grubs@w8grt.fidonet.org
 > (Jim Grubs) writes:
 > >
 > >  > From: jbloom@uhasun.hartford.edu (Jon Bloom)
 > >  > Date: 26 Nov 90 18:41:51 GMT
 > >  > Organization: The University of Hartford
 > >  > Message-ID: <366@ultrix.uhasun.hartford.edu>
 > >  > Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-
 > radio.packet,
 > >  > rec.ham-radio
 > >  >
 > >  > Since you ask...
 > >  >        97.115(b) The third party may participate in stating the
 > >  >                  message where:
 > >  >                    (1) The control operator is present at the control
 > >  >                        point and is continuously monitoring and
 > >  >                        supervising the third party's participation...
 > >
 > > Thank you for sharing that with us. Unfortunately, it has nothing to do
 > with
```

> > the topic we were discussing. The segment you quote relates to a third-
> party
> > DIRECTLY manipulating the amateur stations' on-the-air transmissions in
> real
> > time. We are discussing non-realtime "store and forward" transmission of
> > Internet newsgroups. In such a matter nothing is said about the mechanics
> of
> > ensuring compliance with rules governing message content. There is no
> reason to
> > assume, based on anything in Part 97, that a licensee or his designated
> control
> > operator may not legally employ mechanical aids to enhance his ability to
> > achieve that compliance with a minimum of physical labor.
>
> Whoa! Where in Part 97 do you see a distinction drawn between real-time
> third-party traffic and store-and-forward? That's a distinction drawn
> by *you* rather than by the FCC. The paragraph addresses the means by
> which a third party may participate in stating the message. If a
> message
> (stated by a third party) comes across the network and is transmitted
> directly, without human intervention, that third party is stating it
> without the supervision of a control operator.

Well, 'stating the message' - TO ME - means real time transmission. Any other
interpretation of the word seems to me to be unnatural 'lawyer-ese'.
Actually, the regulations seem to me to be based on an archaic understanding
of HOW third party traffic is transmitted. The regs just didn't envision the
"Look, Ma, no hands" capabilities we have now. They are a throwback to the
day when the only way anything got on the air was for a live human bean to DO
something NOW.

> Of course the control
> operator can use mechanical aids--I never said he couldn't--but the use
> of such aids doesn't absolve him of the responsibility to continously
> monitor and supervise the third party's participation.

I guess we differ on the meaning of 'continuously monitor and supervise'
also. To me, initiating an ongoing mechanical process and periodically
checking its report mechanism IS _continuous_ . Sort of like baking a cake.
You put it in the oven and check it from time to time. You don't need to sit
in front of the oven and stare at the cake through the little window.

If we take your definition literally, the control operator would not even be
allowed to blink.

> The FCC's major concern is not that someone might say a naughty word
> on the air. They are concerned that unscrupulous people might use
> amateur frequencies for business or criminal purposes without there
> being any means of detecting and tracking them.

I'll take that seriously after they get rid of the non-ham taxicabs,
truckers, boaters, and balloonists...

```
--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org


From -330821961973143402
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 20:12:03 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!cs.umn.edu!ub.d.umn.edu!rutgers!usc!
zaphod.mps.ohio-state.edu!ub!dsinc!wells!k3tx
From: k3tx@wells.UUCP (Dave Heller)
Newsgroups: rec.ham-radio
Subject: Re: Another look at Radar Detector Legality for Hams
Summary: Such garbage.  If radar helps keep the highways slower=safer, i'm all for
      it.  Make radar detectors illegal everywhere!
Message-ID: <647@wells.UUCP>
Date: 1 Dec 90 04:12:03 GMT
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 3
Posted: Sat Dec  1 05:12:03 1990

> end of the unit by transmitting pulse mode, which is an illegal mode for
> X-band ham.
>


From 690553388759546548
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6906a1d64aa3485d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 22:29:30 PST
Path: gmdzi!unido!mcsun!uunet!unsvax!jimi!tahoe!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: Space Shuttle Updates
Message-ID: <47001@apple.Apple.COM>
Date: 1 Dec 90 06:29:30 GMT
References: <643.2756AD39@w8grt.fidonet.org>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 23
Posted: Sat Dec  1 07:29:30 1990

In article <643.2756AD39@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim
Grubs) writes:
>
> > This may or may not be of interest to people, but in addition to the
> > shuttle status reports posted to this group, there are "Shuttle Status"
> > (ss),
> > "Payload Status" (ps), "Launch Advisories" (la), "Headline News", etc
> > available on ames.arc.nasa.gov (128.102.18.3) via ftp.  The are in a
```

>
>These are also available as part of maillists. Conmtact Peter Yee
>("yee@ames.nasa.gov") for more details.

Or, if you're on Usenet, you can read them in sci.space.shuttle. Peter got a bit behind recently while he was out of town, but they're coming fast and furious now.

Patty

```
--
******************************************************************************
Patty Winter N6BIS                        INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                     UUCP: {decwrl,nsc,sun}!apple!winter
******************************************************************************
```

From -4974115410925034519
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6d791d7917a1c31d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 22:42:03 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!umich!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.ham-radio
Subject: The Hate Herbie Net
Keywords: 20 meter mess
Message-ID: <1990Dec1.064203.3875@lopez.UUCP>
Date: 1 Dec 90 06:42:03 GMT
Organization: Great White North/UPlink - Marquette, Michigan
Lines: 79
Posted: Sat Dec 1 07:42:03 1990

The 20 meter mess has taken a new turn. Herb KV4FZ and his BARF group have something else to take on, namely a new group. One with no official name. These guys started the 14.313 Peace Coalition net a couple months ago. They moved up from 3894.5. Originally they tried to talk to the Barf Group, but incompatabilities arose, and since both groups have "strong personalities", what has resulted is two groups that refuse to talk to one another, and if a member of one group happens to transmit while the other group has control of the frequency, they scream MALICIOUS INTERFERENCE, and they call the FCC. This is, of course going to do our hobby no good at all.

Since I work out of my home, runing this public access unix site, I am able to monitor 14.313/14.300 all day until band closing. I have heard some amazing stuff the past couple weeks.

The new group can only be called the HATE HERBIE NET. They get on and play tapes of Herb and the boys. Tapes recorded from 2 meter repeaters on St. Croix, and other recordings trying to show that the Barf people lie, and are hippocrites.

Barf, not to be outdone, comes on after the HATE HERBIE NET, and debunk all the stuff, and play tapes of their own, and the 20 meter war goes on.

I think EVERYONE out there with an HF rig should at least listen, so you know what is going on on these two frequencies. If you hear an orgainzed net without a lot of shouting and QRM, tune to the OTHER frequency. Sometimes go up or down a few KC, and you will hear the two groups badmouthing one another.

The problem I have with the new group (WB2PZT and COMPANY) is that they use very foul language, and are prone to talking in a manner that they call "Adult Entertainment". Those familiar with the stuff that is heard on 3868 and 3894.5 know about this off color stuff, and foul language. PZT (I think it was him, might have been one of the others) Got drunk on the air one day, and began using the F-word in just about every sentence. These boys have actually said right on the air that the FCC does not care what kind of language they use. I find that hard to believe.

If you are trying to introduce someone to ham radio, you would do well to avoid 20 meters. One day last week, a teacher came on who was there with his class (It was ADULT EDUCATION, FORTUNATELY) and was saying how this stuff does not sell ham radio very well.

I could not agree more. While I have to admit that I sometimes rather enjoy the confrontations, ESPECIALLY now that they are talking about something OTHER than Phone patches.

Thanksgiving night, HERB, KV4FZ, who is the anti phone patch KING of BARF Was in contact with a ship in the Persian Gulf, and ran many patches at his own expense for the guys on the ship. The HATE HERBIE group claims that when he did this, he "Commandeered" the frequency that they were in QSO on. I did not hear the beginning, but later HERB played back the tape he made on HIS END, showing PZT and the others YELLING while Herb was running the Patches. The yelling included the foul language that the group is famous for.

Now whether or not it is true that Herb took the frequency, these guys should know that by interfering and screaming while a patch is in progress, they only degrade the hobby. If that had happened to me, I would have at least kept my mouth shut til AFTER. And of course if I WAS on and someone wanted to run such patches, I would not mind giving up the frequency, and sitting back and becoming an SWL for a bit.

Listening to both sides in this dispute, one finds distaste for behaviour of both groups, and also some agreement with things the two sides present.

And the WAR goes on.

Herbie. Pay your fine.
                     ---- Unknown QRMer
--
=Marquette MI: It's Not the END of the world, but you can see it from here=
== Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash) GWN UPLink ==
== 3.950 Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================

From -8008304878926533093
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-30 23:35:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!lll-winken!unixhub!shelby!neon!kaufman
From: kaufman@Neon.Stanford.EDU (Marc T. Kaufman)
Newsgroups: rec.ham-radio
Subject: Re: Another look at Radar Detector Legality for Hams
Message-ID: <1990Dec1.073534.11978@Neon.Stanford.EDU>
Date: 1 Dec 90 07:35:34 GMT
References: <647@wells.UUCP>
Organization: Computer Science Department, Stanford University
Lines: 25
Posted: Sat Dec 1 08:35:34 1990

In article <647@wells.UUCP> k3tx@wells.UUCP (Dave Heller) writes:
>Such garbage. If radar helps keep the highways slower=safer, i'm all for
>it. Make radar detectors illegal everywhere!

Shall we parse the above statements?

  IF radar helps keep the highways slower / =safer, /[THEN] i'm all for it.

Perfectly good statement, however there is the implied postulate (or Theorem yet to be proved) "slower=safer". In any event, I'm all for letting him be all for it.

  Make radar detectors illegal everywhere!

Pray tell, how does this follow from the first proposition? There is (at least anecdotal) evidence that the use of radar detectors causes would-be speeders to be more conscious of their speed and (when the radar is near), actually slow down. This would appear to be a desirable effect. Yet, Mr. Heller would have us outlaw their use. The net effect of THAT would seem to me to be MORE speeding, with (possibly) higher revenues for the police; at least as compared to the legal radar detector scenario.

So which is it to be... road safety or more revenue?

Marc Kaufman (kaufman@Neon.stanford.edu)

From -6965643782855143322
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc25c63d5fac82c5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-01 01:33:27 PST
Path: gmdzi!unido!mcsun!sunic!lth.se!newsuser
From: d89mb@efd.lth.se (Magnus Bodin)
Newsgroups: rec.ham-radio
Subject: Cyrillic (and other) morse code.
Message-ID: <1990Dec1.093327.12316@lth.se>
Date: 1 Dec 90 09:33:27 GMT
Sender: newsuser@lth.se (LTH network news server)
Reply-To: d89mb@efd.lth.se (Magnus Bodin)
Organization: Institute of Tychology, Sweden
Lines: 18
Posted: Sat Dec 1 10:33:27 1990

Is there anywhere a file obtainable containing cyrillic morse code?
(Or turkish)?

I beleive the ARRL-book used to contain japanese and others but Russian?
(Cyrillic).

Will someone also explain what a "Oblast" is. Is it some zone-dividment in
USSR? If so -- How many are they and how do you express them in CW?
Any short-form (eg. OBL).

--
Magnus Bodin   "Nec fasces, nec opes,
Institute of Tychology,   sola artis sceptra perennant"
Box 5127, 220 05 Sweden   (Tycho Brahe, Stj{rneborg 1584)

From 9158741784983122272
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc25c63d5fac82c5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-01 01:36:09 PST
Path: gmdzi!unido!mcsun!sunic!lth.se!newsuser
From: d89mb@efd.lth.se (Magnus Bodin)
Newsgroups: rec.ham-radio
Subject: LOCATOR (Maidenhead)
Message-ID: <1990Dec1.093609.12379@lth.se>
Date: 1 Dec 90 09:36:09 GMT
References: <1990Dec1.093327.12316@lth.se>
Sender: newsuser@lth.se (LTH network news server)
Reply-To: d89mb@efd.lth.se (Magnus Bodin)
Organization: Institute of Tychology, Sweden

Lines: 15
Posted: Sat Dec 1 10:36:09 1990

Do you use it out there? In the US?

Is there anyone having a C program to calculate one's locator and also
(especially this) calculating distance between two locators? (Of course
taking the ellipsoidical sphere form into account)

Sincerely yours,

--
Magnus Bodin   "Nec fasces, nec opes,
Institute of Tychology,   sola artis sceptra perennant"
Box 5127, 220 05 Sweden   (Tycho Brahe, Stj{rneborg 1584)

From -2513456645890192376
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88bf3c1b5528c7e7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-01 03:29:24 PST
Path: gmdzi!unido!mcsun!uunet!peregrine!elroy.jpl.nasa.gov!swrinde!
zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!psuvax1!rutgers!kb2ear!n2aam
From: n2aam@kb2ear.UUCP (Dave Marthouse N2AAM)
Newsgroups: rec.ham-radio
Subject: any info on oscar-21 launch
Keywords: Oscar-21 Rs-14 soviet satellite new launch
Message-ID: <677@kb2ear.UUCP>
Date: 1 Dec 90 11:29:24 GMT
Organization: KB2EAR Public Access UN*X, Kendall Park NJ
Lines: 7
Posted: Sat Dec 1 12:29:24 1990

Has anyone in netland heard if the soviets have
launched Oscar-21 Rs-14? It was going to happen around the 29th of Novenber.
Any information would be appreciated.

Dave Marthouse
n2aam@kb2ear.UUCP

From -5964784092415610089
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e64e132bb88a4f98
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-01 07:21:47 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary

From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: RC-850 Controller Info Needed
Message-ID: <1643@ke4zv.UUCP>
Date: 1 Dec 90 15:21:47 GMT
References: <9011282105.AA25855@ucsd.edu> <7500050@hpfcso.HP.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 23
Posted: Sat Dec 1 16:21:47 1990

In article <7500050@hpfcso.HP.COM> jws@hpfcso.HP.COM (John Schmidt) writes:

>Why not consider the S-Com 7K instead of the 850? They're becoming the
>standard here in Colorado.
>
>John Schmidt, NK0R

Amen to that! We just brought up a new machine with a S-Com 5K controller. This has got to be the best commercial controller available for the money. The construction is very high quality (we bought the rack mount option), and the system is fully programable via touchtones. Programming codes can be restricted to the control link, if you desire, on a code by code basis. So you can allow the general user community access to some functions while protecting others. Different levels of access are controlled by passwords, so you can have more than one class of user. There are command macros that you can build to allow complex functions be performed with a single command. There are auxillary inputs and outputs that you can use for external status and control functions. There is a real time clock allowing mode changes depending on the time of day. Link receivers and transmitters are easily accomodated. Full schematics and parts layouts are provided along with an exhaustive programming manual. And the price is right. Don't overlook S-Com if you are shopping for a new controller.

Gary KE4ZV

From -6985428532413122085
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c6abcff16c630e5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-01 07:25:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1920@n8emr.UUCP>
Date: 1 Dec 90 15:25:17 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 19
Posted: Sat Dec 1 16:25:17 1990

From n8emr!W8PH Thu Nov 29 19:30:38 1990
Return-Path: <n8emr!W8PH>
Message-Id: <m0iewq1-0000hMC@n8emr.uucp>
[Date: Thu, 29 Nov 90 17:36 EST
[To: <ALL@ARRL>
R:901129/1627z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:13722 Z:43232
R:901129/1620 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:55549 Z:43103
R:901129/0232 @:WB8JIB.#DAY.OH.USA.NA Yellow Springs #:11419 Z:45387

SPECIAL BULLETIN 13 ARLX013
FROM ARRL HEADQUARTERS
NEWINGTON CT NOVEMBER 29, 1990
TO ALL RADIO AMATEURS

ACCORDING TO THE LATEST INFORMATION FROM THE JOHNSON SPACE CENTER,
THE LAUNCH DATE AND TIME FOR THE STS-35 ASTRO-1 MISSION WILL BE
SUNDAY MORNING, DECEMBER 2, 1990 AT 0638 UTC OR 0138 EST.

From 3084937706894958130
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c6abcff16c630e5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-01 07:25:30 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1921@n8emr.UUCP>
Date: 1 Dec 90 15:25:30 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 118
Posted: Sat Dec 1 16:25:30 1990

Return-Path: <n8emr!KB8NW>
Message-Id: <m0if5VG-0000uNC@n8emr.uucp>
[Date: Fri, 30 Nov 90 03:08 EST
[To: <ALL@ARRL>
R:901130/0732z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:13780 Z:43232
R:901130/0633 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:55731 Z:43103
R:901130/0628z @:W8CQK Columbus, OH #:6730 Z:43229
R:901130/0010 @:WB8BII.OH.USA.NA Cuyahoga Falls, OH #:13052 Z:44223
R:901130/0337z @:KA8Z.OH.USA Canton, Oh. #:39302 Z:44705

QST DE W1AW
DX BULLETIN 47 ARLD047
FROM ARRL HEADQUARTERS NEWINGTON CT
NOVEMBER 30, 1990

RELAYED BY KB8NW/OBS & BARF-80 BBS
TO ALL RADIO AMATEURS

THANKS TO ALLEN SINGER, N2KW AND THE TRISTATE DX PACKETCLUSTER NETWORK, STEVE, W9NUF, AND THE NORTHERN ILLINOIS DX ASSOCIATION, DOC, W9NSZ AND CARINE, ON7LX, FOR THE FOLLOWING DX INFORMATION.

ALBANIA, ZA. CHANCES OF WORKING ALBANIA BEFORE THE END OF THE YEAR ARE IMPROVING. IN ADDITION TO THE ANTICIPATED HUNGARIAN EXPEDITION, SEVERAL EUROPEAN GROUPS NOW CLAIM OPERATIONS WILL COMMENCE IN MID-DECEMBER. KEEPING TUNING.

ANTARCTICA. SEVERAL NATIONS ARE ACTIVATING THEIR BASES DURING THE ANTARCTIC SUMMER THIS YEAR. ZL0AAF AT SWAN BASE IS LOCATED ON BALLENY ISLAND, MUCH TO THE DELIGHT OF ISLAND HUNTERS. G1SWW WILL BE SPENDING 2 YEARS AT HALLEY BASE, STARTING FEBRUARY, 1991. HE WILL SIGN VP8SWW AND VP8HAL ON SSB. VP8GAV AND VP8FAR ARE AT FARADAY BASE. IA0PS WILL ACTIVATE TERRANOVA BAY AROUND FEBRUARY 15, WITH OPERATORS IK0AIH AND I0MAX KEEPING QSL MANAGER IK0GPP BUSY.

CROZET, FT8W. FT4WC HAS BEEN REPORTED ON 14027 KHZ AT 1300 UTC. QSL VIA F6GVH.

CHATHAM ISLAND, ZL7. HA9RE AND HA8XX WILL SIGN ZL0AAD/7 AND ZL0ADN/7 STARTING DECEMBER 11 FOR 2 WEEKS. QSL VIA DJ1ND.

IRAQ, YI. YI1BGD HAS BEEN VERY ACTIVE ON 10 METER SSB FROM 1300 UTC. ON7LX, DF3NZ, AND OE6EEG HAVE BEEN HELPFUL IN GETTING A YI QSL SINCE THE EMBARGO OF IRAQ INCLUDES MAIL.

KAMPUCHEA, XU. JG1RVN, WILL SIGN XU1DK FROM DECEMBER 3 TO 7. EMPHASIS WILL BE RTTY, CW, LF. IT IS NOT CLEAR IS THIS THE SAME OPERATION ANTICIPATED BY 9V1YC, DECEMBER 13 TO 20, OR AN INDEPENDENT EFFORT.

KURE ISLAND, KH7. KD7P/NH7 OPERATION IS ANTICIPATED FROM DECEMBER 12 TO 21. EMPHASIS WILL BE ON CW AND RTTY.

LESOTHO, 7P. ZS5WT AND ZS5BK WILL BE ACTIVE AS 7P8CW OR APPENDING /7P8 TO THEIR ZS CALL SIGNS FROM DECEMBER 13 TO 18. EXPECT PLENTY OF CW ON 40 AND 80 METERS.

MALAWI, 7Q. VINCE, 7Q7VP, LIKES 21240 KHZ AT 1930 UTC. QSL TO BOX 2111, BLANTYRE, MALAWI.

MALDIVE ISLAND, 8Q7. MIKE, K9AJ, ALONG WITH SUE, KA9RHK, WILL SIGN 8Q7BQ ON ALL BANDS, UNTIL DECEMBER 9. HE HOPES TO BE ACTIVE AS HS0AC DECEMBER 11 TO 14. QSL TO K9AJ.

MOROCCO, CN. N6AMG IS QRV UNTIL DECEMBER 7. HE IS WORKING THE WARC BANDS AND 6 METERS.

MOUNT ATHOS, SV/A. APOLLO, SV2ASP/A, IS A MONK WLL BE

OPERATING FROM MOUNT ATHOS FOR SOME TIME. HE LIKES 21335 KHZ AND HAS BEEN ACTIVE IN LIST OPERATIONS ON THAT FREQUENCY FOR THE PAST WEEK.

PENGUIN ISLANDS, ZS1. OH2BH, OH2RF, N7NG, AND ZS6BCR ARE ACTIVE AS ZS9Z/ZS1 THIS WEEKEND. CW, 24 KHZ UP FROM THGE. SSB, 45 KHZ UP FROM THEIR BAND EDGE. QSL VIA OH2BH.

REVILLA GIGEDO, XF4. XF4F LIKES 14030 KHZ AT 0200 UTC WHERE YOU CAN ARRANGE SKEDS FOR 10, 15 AND 20 METERS. QSL TO WA3HUP.

SAN FELIX, CE0X. THE XQ0X OPERATION HAS BEEN DELAYED. QSL MANAGER, CE3ESS, ESTIMATES ARRIVAL ON DECEMBER 6. THIS WILL BE AN ALL SSB OPERAON UTILIZING LISTS DUE TO THE LANGUAGE LIMITATIONS.

SOUTH SHETLAND ISLAND, VP8. THERE IS A GREAT DEAL OF ACTIVITY HERE IN ANTICIPATION OF THE ANTARCTIC SUMMER. SP5FYM WILL JOIN THE CREW AT HF0POL WHERE HE WILL QSL HIS RTTY OPERATIONS VIA SP3HLM. CE9GEW IS ANOTHER SOUTH SHETLAND OPERATION, OFTEN FOUND ON 14143 KHZ AT 2200 UTC WITH THE SOUTH AMERICAN DX NET.

SIX METERS. THE 50 MHZ BAND IS ALIVE THIS SEASON WITH ACTIVITY BY D68GA1Z, ZS9Z, 6W1BC, CN2JP, KD7P/NH7, KA3B/C6A, KP2A, 9L1US, Z23JO, AND NUMEROUS EUROPEAN STATIONS. AT TIMES, IT SOUNDS LIKE 10 METERS.

WALVIS BAY, ZS9. LLOYD AND IRIS COLVIN CURRENTLY ACTIVE AS W6KG/ZS9 . ON DECEMBER 3, THE PENGUIN ISTEAM WILL SIGN ZS9Z FOR 3 OR 4 DAYS. ZS9A CONTINUES HIS 10 METER ACTIVITY ON THE WEEKENDS.

NOTE 1. A LETTER TO W1AW, FROM DOC, W9NSN STATED HE HAS COMPLETED THOUSANDS OF CONTACTS QSL VIA HIS CALLBOOK ADDRESS AS IT HAS BEEN CORRECT FOR MANY YEARS.

NOTE 2. ALSO, A LETTER FROM CARINE, ON7LX, STATES LOGS FOR 9K2KS ARE IN HAND UP TO APRIL 21, 1990. NO LOGS FOR THE 9K25KS OPERATION. ALSO HAS THE LOGS FROM SAMY, YI1BGD, UP TO THE END OF FEBRUARY, 1990. ON7LX HAS A NEW POST OFFI THE NEW NUMBER IS 8210 INSTEAD OF 8021 LOPPEM.

NOTE 3. KC4MJ IS NOT THE QSL MANAGER FOR PA3CXC/ST0.

NOTE 4. 6FXBCS IS VE7DP OPERATING FROM MAGDALENA ISLAND, MEXICO.

NOT5. 5N0MRD OPERATES FROM THE GERMAN EMBASSY IN LAGOS. SINCE HIS QSL REQUESTS ARE REGARDED AS OFFICIAL MAIL, HE HAS BEEN RETURNING IRCS AND GREENSTAMPS RECEIVED WITH HIS MAIL.

GOOD LUCK ON DX DE KB8NW/OBS

From -5406490728207995737

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c6abcff16c630e5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-01 07:25:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1922@n8emr.UUCP>
Date: 1 Dec 90 15:25:44 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 23
Posted: Sat Dec 1 16:25:44 1990

Return-Path: <n8emr!WB8KWC>
Message-Id: <m0ifOuI-0000WWC@n8emr.uucp>
[Date: Fri, 30 Nov 90 23:35 EST
[To: <ALL@ARRL>
R:901201/0420z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:13894 Z:43232
R:901201/0321 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:56012 Z:43103
R:901201/0205 @:WB8JIB.#DAY.OH.USA.NA Yellow Springs #:11571 Z:45387

SPECIAL BULLETIN 14 ARLX014
FROM ARRL HEADQUARTERS
NEWINGTON CT DECEMBER 1, 1990
TO ALL RADIO AMATEURS

ACCORDING TO THE LATEST INFORMATION FROM THE JOHNSON SPACE CENTER, THE LAUNCH DATE AND TIME FOR THE STS-35 ASTRO-1 MISSION WILL BE SUNDAY MORNING, DECEMBER 2, 1990 AT 0638 UTC OR 0138 EST.

TO MINIMIZE INTERFERENCE WHEN TRYING TO WORK THE SHUTTLE, PLEASE DON'T TRANSMIT, PARTICULARLY ON 144.95 MHZ, UNTIL THE SHUTTLE IS IN RANGE OF YOUR LOCATION.

LISTEN TO THE GODDARD AMATEUR RADIO CLUB STATION, WA3NAN, FOR LIVE LAUNCH COVERAGE ON 3860, 7185 AND 14295 KHZ.

From -5593590478351523650
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f086f72a7893c534
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-01 08:23:04 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!rutgers!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio
Subject: Re: transvert a CB radio to 6M am subband?
Summary: It CAN be done...
Keywords: make sense?

Message-ID: <377@ka2qhd.UUCP>
Date: 1 Dec 90 16:23:04 GMT
References: <113663@philabs.Philips.Com>
Organization: KA2QHD - OCEAN NJ
Lines: 17
Posted: Sat Dec 1 17:23:04 1990

After I converted my Cybernet board (Hy-Gain) to 10-meter FM, I converted it to scan all 10 cordless phone frequencies (46 MHz), with the PLL codes for each phone channel stored in an EPROM.

I have no doubt that a similar conversion could be performed to enable operation on 6 meter FM.

73, de John, KD2BD

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John A. Magliacane                 FAX  : (908) 747-7107
Electronics Technology Department  AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College        UUCP : ...!rutgers!ka2qhd!kd2bd
Lincroft, NJ  07738  USA           VOICE: (908) 842-1900 ext 607
```

From 906524514403380966
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b33768455025e352,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-01 09:16:54 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpcc05!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Alinco 2M/440 Xcvr with DTMF control
Message-ID: <27080030@col.hp.com>
Date: 1 Dec 90 17:16:54 GMT
Organization: HP Colorado Springs Division
Lines: 37
Posted: Sat Dec 1 18:16:54 1990

There is a full-page ALINCO ad in Dec QST which claims that their 2M/440 dual band transceiver (DR-590T) has DTMF remote control capability as well as crossband repeater function. This sounded interesting to me --- put a transceiver on a mountaintop, use an HT on 440, crossband repeat onto 2meters.

I called Alinco and got the following disappointing story. Almost everything can be controlled remotely including power level, crossband repeat on/off, frequency and memory recall. The bad news is that the transmit offset cannot be selected.

(I never did get an answer to whether the rig automatically
chose offset on 2M. The guy said that "most repeaters in
the US have - offset.")

The Alinco guy's suggestion was to use the Memories instead.
(i.e. have all your favorite repeater freq's stored in memory
which does remember offset.) Only problem there is that the
memories can be selected only using "next memory up" and "next
memory down" control functions. There apparently is no "go to
a particular memory" function. This is OK until you forget
where you are.

I found it hard to believe that they had such robust functionality
but left out some critical features.

Can anyone confirm or deny what I've stated? Anyone have this
radio?

```
--------------------------------------------------------------------
Bob Witte              HP Colorado Springs Division
bobw@col.hp.com        P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO  80901
Radio: KB0CY
"There is no such thing as ground."
--------------------------------------------------------------------
```

From -6101006122635935883
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0cab89724683f8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,c0cab89724683f8,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f5cc0,c0cab89724683f8,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-12-01 12:51:43 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!rutgers!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.space
Subject: * SpaceNews 03-Dec-90 *
Keywords: Keplerian Data Defined
Message-ID: <378@ka2qhd.UUCP>
Date: 1 Dec 90 20:51:43 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 155
Xref: gmdzi rec.ham-radio:17335 rec.ham-radio.packet:3135 sci.space:17902
Posted: Sat Dec 1 21:51:43 1990

SB SPACE @ ALLBBS < KD2BD $SPC1203
* SpaceNews 03-Dec-90 *

Bulletin ID: $SPC1203

SpaceNews

MONDAY DECEMBER 3, 1990

SpaceNews originates at KD2BD in Wall Township, New Jersey, United States. It is published every week and is made available for unlimited distribution.

* MINI-TUTORIAL *

Keplerian data is widely used in the analysis of satellite orbits and the development of satellite tracking data for groundstations. These elements define the position and motion of a satellite in orbit around a larger body.

The first person to investigate elliptical orbits thoroughly was the mathematician and astronomer Kepler. He formulated a set of rules for elliptical orbits and was able to demonstrate that all planets followed such orbits in their motions around the sun. Over 100 years later, orbital elements defined by Kepler are still being used by astronomers and satellite trackers worldwide.

Radio amateurs use a sub-set of Keplerian data that usually includes: Reference Epoch Time, Inclination of orbit, Right Ascension At Ascending Node, Eccentricity, Argument of Perigee, Mean Anomaly, Mean Motion (sometimes replaced by Semi-Major Axis), Decay Rate, and orbit number.

REFERENCE EPOCH: (YYDDD.XXXXXXXX)

This is the precise time that the other time dependent elements are referred to. The format consists of a two-digit year number followed by a three digit day number, indicating the number of days since 01-Jan (day 0), and then the fraction of the day, which represents the hours, minutes and seconds, where one day equals 24 hours (one solar day).

Example: 03-Dec-90 12:30:15 UTC

03-Dec-90 = Year 90, day 337

```
12 Hours   = 24/12    = 0.500000000
30 Minutes = 30/1440  = 0.020833333  add to 0.521006944
15 Seconds = 15/86400 = 0.000173611
```

Therefore, 03-Dec-90 12:30:15 UTC = 90337.521006944

INCLINATION: (XXX.XXXX degrees)

This is the angle between the satellite orbital plane and the Earth's equatorial plane. A satellite with an inclination of zero degrees orbits exactly over the equator, while one with an inclination of 90 degrees orbits exactly over the poles.

RIGHT ASCENSION AT ASCENDING NODE: (XXX.XXXX degrees)

The right ascension at which the satellite crosses the Earth's equatoral plane going from south to north. Right ascension has traditionally been defined as the "first point" in the constellation Aries.

ECCENTRICITY: (0..1)

A dimensionless term used to describe the "flatness" of the elliptical orbit. A circle has an eccentricity of zero. A line has an eccentricity of 1. The orbit of OSCAR-13 has an eccentricity of about 0.7.

ARGUMENT OF PERIGEE: (XXX.XXXX degrees)

The angle between the line from the Earth's center to the satellite's point of lowest altitude (perigee) and the line from the Earth's center to the point where the orbit crosses the equatorial plane, going north.

MEAN ANOMALY: (XXX.XXXX degrees)

The angle which specifies the position of a satellite in its orbit, measured from perigee.

MEAN MOTION: (XX.XXXXXXXX perigees per day)

This is the number of perigee crossings the satellite makes in exactly one solar day (24 hours).

The semi-major axis of ellipse can also be calculated from mean motion using:

SMA (km) = 331.25 * (1440/MM)^(2/3)

Some satellite tracking programs use SMA as a replacement for mean motion. The quantity (1440/MM) yields the anomalistic period of the satellite (in minutes between perigees).

DECAY RATE: (+/- 0.XXXXXXXX perigees per day per day)

This is the first time derivative of mean motion and specifies the rate at which the mean motion is changing. A positive decay rate indicates the satellite is falling (speeding up). Decay rate gives an indication of the extent of atmospheric drag on the satellite.

ORBIT NUMBER: (XXXXX)

The number of perigees the satellite has experienced at the reference epoch.

* TNX QSL! *

A special thanks to all those who sent QSLs, cards and letters to SpaceNews:

G6HUJ : Alan Taylor, Sutton Coldfield, West Midlands, England
LA9XFA: Eivind Reiersen, Royneberg, Norway

...and e-mail messages:

DL6NBB, IW2EPE, FE6CNB, N3GNW, N8LSQ, NK8Y, VK4BBS, VK4AGS, WD4LYV

* FEEDBACK WELCOMED *

Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

```
INTERNET : kd2bd@ka2qhd.de.com
PACKET   : KD2BD @ NN2Z.NJ.USA.NA
UUCP     : ...!rutgers!ka2qhd!kd2bd

MAIL     : John A. Magliacane, KD2BD
           Department of Electronics Technology
           Advanced Technology Center
           Brookdale Community College
           765 Newman Springs Road
           Lincroft, New Jersey 07738
           U.S.A.
```

<< If you like what you see, send us your QSL card! >>

/EX

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--
John A. Magliacane                 FAX  : (908) 747-7107
Electronics Technology Department  AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College        UUCP : ...!rutgers!ka2qhd!kd2bd
Lincroft, NJ  07738  USA           VOICE: (908) 842-1900 ext 607
```

```
From -6184442505425108386
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f486739b540603d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-01 14:23:02 PST
```

Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9012012223.AA19206@blackbird.afit.af.mil>
Date: 1 Dec 90 22:23:02 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 411
Posted: Sat Dec 1 23:23:02 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #776 -
Alouette 1
1 00424U 62B-A  1 90330.48690308  .00000219  00000-0  25192-3 0  3744
2 00424  80.4629 126.0680 0022495 214.7387 145.2274 13.67419791404874
ATS 3
1 03029U 67111  A 90327.17572371 -.00000075  00000-0  99999-4 0  4733
2 03029  13.4026  19.8564 0016834 211.3761 148.5186  1.00272678 84387
Cosmos 398
1 04966U 71 16  A 90333.78306199  .00078168  18652-4  38370-3 0  2657
2 04966  51.5030 175.1766 2165762 105.8030 279.1208 11.29619320610202
Starlette
1 07646U 75010  A 90321.86133351 -.00000043  00000-0  13505-4 0  1742
2 07646  49.8273 272.1106 0205668 338.5336  20.7026 13.82145736797038
LAGEOS
1 08820U 76039  A 90327.36201037  .00000005  00000-0  00000 0 0  1734
2 08820 109.8607  49.6501 0044577 204.5831 155.2832  6.38664514 84108
GOES 2
1 10061U 77048  A 90332.15058584 -.00000259  00000-0  99999-4 0  5270
2 10061   8.4220  61.7662 0004740 205.0021 155.2360  1.00277164 50655
GPS-0001
1 10684U 78020  A 90331.98007596  .00000005  00000-0  99999-4 0  5783
2 10684  63.7833  84.4949 0123705 197.7346 161.8144  2.00554819 79133
GPS-0002
1 10893U 78 47  A 90332.96622702 -.00000023  00000-0  00000 0 0  2783
2 10893  64.3172 325.3032 0168524  24.1498 336.6589  2.00539084 91975
GOES 3
1 10953U 78062  A 90332.47620674  .00000111  00000-0  99999-4 0    98
2 10953   7.3459  64.4636 0008631 111.2223 248.7362  1.00276440  6560
SeaSat 1
1 10967U 78064  A 90333.01906890  .00000972  00000-0  37670-3 0  4336
2 10967 108.0184 300.4160 0002339 263.0652  97.0132 14.36036192650112
GPS-0003
1 11054U 78093  A 90331.23637331 -.00000022  00000-0  00000 0 0  3282
2 11054  63.8439 321.5803 0060330 120.2019 240.5138  2.00570456 88957
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Nimbus 7
1 11080U 78098  A 90331.75903241  .00000113  00000-0  13210-3 0  7239
2 11080  99.1825 232.8491 0009491  10.2555 349.8789 13.83478297610654
GPS-0004
1 11141U 78112  A 90332.84358076  .00000005  00000-0  00000 0 0   899
2 11141  63.6181  84.1977 0054504 316.3449  43.1939  2.00550809 87686
GPS-0005
1 11690U 80 11  A 90332.48555931  .00000007  00000-0  00000 0 0   788
2 11690  64.2773  86.5481 0120605 202.3340 157.1432  2.00553954 93534
GPS-0006
1 11783U 80 32  A 90329.29915631 -.00000022  00000-0  99999-4 0  2933
2 11783  63.6374 321.1593 0150943  59.9334 301.5748  2.00560868 77557
GOES 5
1 12472U 81049  A 90329.35634937  .00000041  00000-0  99999-4 0    86
2 12472   3.8921  73.2923 0001480 212.4348 147.3787  1.00209212 33846
SME
1 12887U 81100  A 90333.15278366  .00073282  00000-0  61760-3 0  9661
2 12887  97.6099  32.3207 0003954 151.2963 208.8886 15.69591654506960
Salyut 7
1 13138U 82 33  A 90333.97265061  .00120910  00000-0  46670-3 0  6622
2 13138  51.5959 173.9069 0003175 196.6936 163.2527 15.86403456490947
Cosmos 1383
1 13301U 82 66  A 90319.22847079  .00000097  00000-0  10135-3 0  6728
2 13301  82.9336 190.0740 0028609 103.7743 256.6603 13.67859879418321
LandSat 4
1 13367U 82 72  A 90331.76550251  .00000045  00000-0  14987-4 0  5927
2 13367  98.1452  30.9005 0003814   2.5701 357.5516 14.57142713445122
IRAS
1 13777U 83  4  A 90330.86194540 -.00000080  00000-0 -43491-4 0  8772
2 13777  99.0157 165.0884 0012480 301.3876  58.5904 13.98847712 69683
Cosmos 1447
1 13916U 83 21  A 90324.24439149  .00000161  00000-0  15871-3 0  7719
2 13916  82.9436 256.6750 0039850  65.0297 295.4995 13.74078643384101
TDRS 1
1 13969U 83 26  B 90330.47185877  .00000127  00000-0  99999-4 0  1934
2 13969   4.8672  64.3435 0003148 180.3483 179.4470  1.00268708   975
GOES 6
1 14050U 83 41  A 90326.40613763  .00000094  00000-0  99999-4 0  3341
2 14050   2.5840  73.0303 0008223 261.5595  98.3515  1.00383122  1748
OSCAR 10
1 14129U 83 58  B 90332.25271924 -.00000024  00000-0  00000 0 0  6241
2 14129  25.9882 173.0385 5961522 196.0096 131.0667  2.05881458 28118
GPS-0008
1 14189U 83 72  A 90329.73091121  .00000004  00000-0  99999-4 0  8778
2 14189  63.4510  82.8048 0145134 222.1165 136.7603  2.00569165 54000
LandSat 5
1 14780U 84 21  A 90333.78670445  .00000050  00000-0  16028-4 0  4445
2 14780  98.1834  31.1982 0002442  70.5512 289.5945 14.57131219358834
UoSat 2
1 14781U 84 21  B 90332.07190447  .00001296  00000-0  24492-3 0  8839
2 14781  97.9304  19.1267 0013667  86.8241 273.4466 14.65913841359970
GPS-0009
1 15039U 84 59  A 90329.90266147  .00000004  00000-0  00000 0 0  1324
```

```
2 15039  63.1806  81.9398 0025312 223.0451 136.7594  2.00567421 47285
Cosmos 1574
1 15055U 84 62  A 90331.98187093  .00000116  00000-0  11249-3 0    53
2 15055  82.9534 301.5582 0025935 226.6199 133.2791 13.73392602322551
GPS-0010
1 15271U 84 97  A 90331.34105997 -.00000023  00000-0  00000 0 0  9779
2 15271  63.1303 320.5698 0109632 328.3716  30.9915  2.00561547 44429
Cosmos 1602
1 15331U 84105  A 90332.66839176  .00002040  00000-0  27272-3 0  4369
2 15331  82.5448 208.3837 0023422 149.1892 211.0596 14.78901422332396
NOAA 9
1 15427U 84123  A 90334.21373281  .00000269  00000-0  16592-3 0  6780
2 15427  99.1723 337.9666 0014282 262.8752  97.0796 14.12739035307420
Cosmos 1686
1 16095U 85 86  A 90333.90967870  .00117515  00000-0  45427-3 0  8468
2 16095  51.5972 174.2401 0002687 196.1551 163.9063 15.86386039490934
GPS-0011
1 16129U 85 93  A 90332.55687231  .00000005  00000-0  00000 0 0  6854
2 16129  63.9883  82.9959 0122271 148.2939 212.4400  2.00563937 37650
Mir
1 16609U 86 17  A 90334.04351673  .00031008  00000-0  38196-3 0  1222
2 16609  51.6102 215.1108 0024463 310.1327  49.6882 15.59575182274001
SPOT 1
1 16613U 86 19  A 90331.68304782  .00000408  00000-0  20940-3 0  1863
2 16613  98.7202  43.8800 0001680  85.9617 274.1773 14.20037113 87133
Cosmos 1766
1 16881U 86 55  A 90333.26246347  .00003837  00000-0  52156-3 0  2413
2 16881  82.5256 266.6804 0020872 164.0040 196.1785 14.78440739233530
EGP
1 16908U 86 61  A 90322.20472868 -.00000039  00000-0 -39017-5 0  3238
2 16908  50.0090 142.5083 0011095 227.1133 132.8776 12.44390363194034
NOAA 10
1 16969U 86 73  A 90334.06248660  .00000399  00000-0  19054-3 0  5276
2 16969  98.5853 358.1957 0013759 143.4103 216.8018 14.23810582218214
MOS-1
1 17527U 87 18  A 90330.61150054 -.00000029  00000-0 -85764-5 0  7247
2 17527  99.0952  40.9566 0000891  56.1482 303.8598 13.94867626191900
GOES 7
1 17561U 87 22  A 90334.10870855 -.00000027  00000-0  99999-4 0  6864
2 17561   0.0882 100.3949 0088588 205.1834  53.9843  1.00209092  7233
Kvant-1
1 17845U 87 30  A 90334.10757735  .00053631  00000-0  65387-3 0  3980
2 17845  51.6097 214.7876 0024030 308.0984  51.6474 15.59598104208746
DMSP B5D2-3
1 18123U 87 53  A 90331.84969834  .00000173  00000-0  99999-4 0  7881
2 18123  98.8134 160.2569 0013655 277.6929  82.2693 14.14230456177534
RS-10/11
1 18129U 87 54  A 90333.99069137  .00000144  00000-0  14745-3 0  4456
2 18129  82.9271 206.0219 0012353  25.4777 334.6996 13.72126500172184
Meteor 2-16
1 18312U 87 68  A 90332.04133326  .00000219  00000-0  18868-3 0  5805
2 18312  82.5495 160.4204 0011853 147.0173 213.1711 13.83704275165646
Meteor 2-17
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1 18820U 88  5  A 90331.75678490  .00000239  00000-0  20424-3 0  4312
2 18820  82.5448 220.4189 0015233 223.8664 136.1275 13.84397735142814
DMSP B5D2-4
1 18822U 88  6  A 90331.84875142  .00000456  00000-0  22503-3 0  7334
2 18822  98.6224 207.2923 0006813 150.0630 210.0938 14.21646316146077
Glonass 34
1 19163U 88 43  A 90333.32557486  .00000020  00000-0  99999-4 0   948
2 19163  64.9204 153.6002 0007240 180.7155 179.3214  2.13102531 19661
Glonass 36
1 19165U 88 43  C 90332.44410571  .00000020  00000-0  00000 0 0   989
2 19165  64.8963 153.6308 0003512 353.4015   6.6420  2.13102818 19642
AO-13
1 19216U 88 51  B 90317.50267394 -.00000201  00000-0  99999-4 0  2241
2 19216  56.9436 126.0467 7064813 240.2087  32.9306  2.09704510 18530
OKEAN 1
1 19274U 88 56  A 90332.10761780  .00001282  00000-0  17527-3 0    75
2 19274  82.5176   6.4654 0020376 310.9652  49.0029 14.77721012129124
Meteor 3-2
1 19336U 88 64  A 90333.96992456  .00000025  00000-0  52600-4 0  6784
2 19336  82.5466 160.1516 0016216 261.7550  98.1729 13.16905867112777
Glonass 39
1 19503U 88 85  C 90333.40224855 -.00000017  00000-0  99999-4 0    28
2 19503  65.3897  33.0377 0006199 195.6904 164.3562  2.13103649 17150
NOAA 11
1 19531U 88 89  A 90333.37790720  .00000253  00000-0  15936-3 0  4313
2 19531  99.0034 282.0381 0012355 174.9325 185.1973 14.11806615112277
TDRS 2
1 19548U 88 91  B 90329.30686870  .00000113  00000-0  99999-4 0  2238
2 19548   0.5126  82.0257 0002691 157.3411 120.6510  1.00269860  1870
Glonass 40
1 19749U 89  1  A 90333.44329262  .00000020  00000-0  99999-4 0  7975
2 19749  64.8551 153.2685 0004621 272.5020  87.4945  2.13102244 14687
Glonass 41
1 19750U 89  1  B 90333.50151434  .00000020  00000-0  99999-4 0  8485
2 19750  64.8767 153.2854 0004547 242.7600 117.2338  2.13102398 14684
GPS BII-01
1 19802U 89 13  A 90329.93757079  .00000017  00000-0  99999-4 0  2272
2 19802  55.0436 191.0354 0052186 161.3502 198.9452  2.00552127 12991
Akebono
1 19822U 89 16  A 90333.59571172  .00013794  00000-0  96407-3 0  8454
2 19822  75.0764 157.3357 4133396 115.6659 292.4060  7.18568095 11651
Meteor 2-18
1 19851U 89 18  A 90331.98826988  .00000190  00000-0  16196-3 0  3815
2 19851  82.5121  97.9610 0012799 267.8018  92.1676 13.84027721 88223
MOP-1
1 19876U 89 20  B 90309.87822950  .00000020  00000-0  99999-4 0  1715
2 19876   0.0696 240.9900 0003781 209.4564 269.9567  1.00274378  2083
TDRS 3
1 19883U 89 21  B 90330.93077829 -.00000234  00000-0  99999-4 0  2227
2 19883   0.5344  81.7139 0003363 155.9382 122.4370  1.00274132 76523
GPS BII-02
1 20061U 89 44  A 90331.76910494 -.00000033  00000-0  99999-4 0  2292
2 20061  54.8488   9.2089 0089070 181.9604 180.6395  2.00566289 10774
```

```
Nadezhda 1
1 20103U 89 50  A 90331.99343737  .00000112  00000-0  10832-3 0  2791
2 20103  82.9621 164.2574 0037462 304.8458  54.9177 13.73627616 70203
GPS BII-03
1 20185U 89064  A 90302.75012221  .00000042  00000-0  00000-0 0 01467
2 20185 054.9239 192.9528 0022428 161.3420 240.3729 02.00578277008778
GPS BII-04
1 20302U          90304.15728615 -.00000046          -68427+2 0  1700
2 20302  54.5417 311.5245 0033626 314.8971  44.9144  2.00365710  7590
Meteor 3-3
1 20305U 89 86  A 90328.80575896  .00000005  00000-0  37827-6 0  2778
2 20305  82.5524 104.7328 0015680 290.2485  69.6960 13.15866479 52073
COBE
1 20322U          90331.60919929  .00000149  00000-0  11970-3 0  2291
2 20322  99.0205 340.3261 0008610 276.9304  83.0912 14.02914504 52405
Kvant-2
1 20335U 89 93  A 90334.10753414  .00089152  00000-0  10779-2 0  4970
2 20335  51.6093 214.7829 0023985 309.4736  50.0263 15.59602320 57675
GPS BII-05
1 20361U 89 97  A 90319.68844673  .00000014  00000-0  99999-4 0  1214
2 20361  55.0152 134.3312 0064455  56.3128 304.3277  2.00583539  6768
SPOT 2
1 20436U 90  5  A 90331.64801046  .00000079  00000-0  45882-4 0  4301
2 20436  98.7212  43.9150 0000592  93.9547 266.1655 14.20035656 43944
UO-14
1 20437U 90  5  B 90332.75378041  .00000455  00000-0  19617-3 0  2783
2 20437  98.6889  48.2811 0012144  34.5836 325.6118 14.28799668 44364
UO-15
1 20438U 90  5  C 90333.09018303  .00000256  00000-0  11823-3 0  1750
2 20438  98.6895  48.5635 0011089  34.2864 325.9020 14.28487524 44409
PACSAT
1 20439U 90  5  D 90333.50208801  .00000347  00000-0  15371-3 0  1776
2 20439  98.6927  49.2319 0012457  35.2900 324.9102 14.28897529 44472
DO-17
1 20440U 90  5  E 90333.49227820  .00000376  00000-0  16477-3 0  1789
2 20440  98.6925  49.2450 0012547  35.7179 324.4839 14.28955090 44471
WO-18
1 20441U 90  5  F 90331.23047024  .00000398  00000-0  17275-3 0  1765
2 20441  98.6929  47.0289 0013129  41.5061 318.7089 14.29035020 44155
LO-19
1 20442U 90  5  G 90331.70558414  .00000401  00000-0  17368-3 0  1788
2 20442  98.6922  47.5360 0013466  39.7254 320.4877 14.29107316 44222
GPS BII-06
1 20452U 90  8  A 90327.06177525  .00000002  00000-0  99999-4 0  1357
2 20452  53.8795 250.2053 0170929  49.7661 311.7498  2.00662451  6038
MOS-1B
1 20478U 90 13  A 90330.21219055  .00000451  00000-0  36163-3 0  4744
2 20478  99.1755  39.6177 0000540  56.4443 303.7474 13.94845066 40724
DEBUT
1 20479U 90 13  B 90332.06055419 -.00000021  00000-0 -19458-4 0  1732
2 20479  99.0226 347.5059 0541485  37.3289 326.4211 12.83164227 37762
FO-20
1 20480U 90 13  C 90325.59380162  .00000066  00000-0  19792-3 0  1726
```

```
2 20480  99.0226 342.2701 0541585  52.0494 312.8281 12.83156346 36930
MOS-1B R/B
1 20491U 90 13  D 90333.55789247 -.00000737  00000-0 -13663-2 0  1783
2 20491  99.0219 357.0310 0470567   3.7284 356.7140 13.02762647 37936
LACE
1 20496U 90 15  A 90333.66048809  .00006142  00000-0  35451-3 0  3511
2 20496  43.0943 132.2278 0017767 305.0242  54.9334 15.12853531 43644
RME
1 20497U 90 15  B 90333.31310817  .00011224  00000-0  27634-3 0  3976
2 20497  43.1029  71.4364 0019364 343.8329  16.2005 15.40447576 44266
Nadezhda 2
1 20508U 90 17  A 90332.02293768  .00000078  00000-0  76804-4 0  2296
2 20508  82.9517 299.0991 0042914 249.5241 110.1310 13.73248533 37494
OKEAN 2
1 20510U 90 18  A 90331.99323990  .00000936  00000-0  13942-3 0  3800
2 20510  82.5247 306.8027 0021689 101.2102 259.1506 14.73768211 40199
INTELSAT-6
1 20523U 90 21  A 90333.98780886 -.00002318  00000-0 -17430-3 0  3961
2 20523  28.3418 256.7583 0015900 154.0107 206.1516 15.03039039 39410
GPS BII-07
1 20533U 90 25  A 90294.05687607 -.00000033  00000-0  00000 0 0   630
2 20533  55.1450  10.8449 0034235 102.6965 257.7562  2.00556242  4124
PegSat
1 20546U 90 28  A 90333.34671220  .00008265  00000-0  48031-3 0  3487
2 20546  94.1258 302.9963 0146511  96.8699 264.9601 15.03427814 34870
HST
1 20580U 90 37  B 90333.90970156  .00003653  00000-0  39672-3 0  3484
2 20580  28.4718 274.4732 0005354  50.8359 309.2767 14.85605583 32636
Glonass 44
1 20619U 90 45  A 90333.34447767 -.00000017  00000-0  99999-4 0  2964
2 20619  64.9866  33.2914 0024168 214.2615 145.6407  2.13103248  4143
Glonass 45
1 20620U 90 45  B 90333.46233258 -.00000017  00000-0  99999-4 0  2990
2 20620  64.9772  33.2870 0005762  32.1803 327.9143  2.13103315  4155
Glonass 46
1 20621U 90 45  C 90333.52091474 -.00000017  00000-0  99999-4 0  2507
2 20621  65.0013  33.2973 0014652 205.9176 154.0685  2.13102760  4154
Kristall
1 20635U 90 48  A 90334.10757689  .00053606  00000-0  65387-3 0  2961
2 20635  51.6102 214.7927 0023860 304.5748  55.1822 15.59591509 28557
ROSAT
1 20638U 90 49  A 90332.69503689  .00002536  00000-0  22923-3 0  1397
2 20638  52.9969  40.0086 0016599 112.0187 248.2574 14.98853519 26945
Meteor 2-19
1 20670U 90 57  A 90329.02543228  .00000154  00000-0  12932-3 0  1290
2 20670  82.5484 161.0062 0014920 193.6645 166.4104 13.83879772 20766
BADR-1
1 20685U 90 59  A 90333.70201841  .01162958 -34831-4  47149-3 0  2352
2 20685  28.4734  87.3971 0153531 211.6793 147.4492 16.00297240 20962
CRRES
1 20712U          90333.34969098  .00001209  00000-0  12982-2 0   793
2 20712  18.2820 355.4759 7122964 295.8836   8.9931  2.43588783  3107
Soyuz TM-10
```

```
1 20722U 90 67  A 90334.10757723  .00053622  00000-0  65387-3 0  1987
2 20722  51.6123 214.7915 0023975 309.3958  50.3400 15.59595258 18853
GPS BII-08
1 20724U 90 68  A 90311.85453882  .00000016  00000-0  99999-4 0   712
2 20724  54.6993 190.5108 0095969 118.5847 242.4679  2.00563319  1924
Feng Yun1-2
1 20788U 90 81  A 90330.09862602  .00000397  00000-0  29055-3 0   759
2 20788  98.9335   2.9135 0011116  31.9177 328.2441 14.00583082 11773
Progress M5
1 20824U 90 85  A 90331.92887466  .00048606  00000-0  59634-3 0  1451
2 20824  51.6236 225.7432 0024783 304.9199  54.8238 15.59451695  9600
Meteor 2-20
1 20826U 90 86  A 90332.06154856  .00000137  00000-0  11494-3 0   807
2 20826  82.5247  97.8451 0014662  81.3584 278.9236 13.83240219  8402
GPS BII-09
1 20830U 90 88  A 90324.35684874  .00000014  00000-0  99999-4 0   738
2 20830  54.8999 132.3928 0078741 116.6973 244.1323  2.00565588  1253
1990 093B
1 20919U 90 93  B 90333.23116619  .00010718  00000-0  55045-3 0   933
2 20919  24.7513  21.0887 0554588  92.4396 273.9836 14.35256529  4216
1990 093C
1 20920U 90 93  C 90328.77254189  .00042595  00000-0  40569-2 0   889
2 20920  23.4624 197.6807 7328997 188.7553 141.7446  2.24477704   561
GORIZONT 21
1 20923U 90 94  A 90333.31207781 -.00000205  00000-0  99999-4 0   296
2 20923   1.3901 270.2393 0001683 327.8475  32.6217  1.00269866   270
1990 094D
1 20926U 90 94  D 90332.16988109 -.00000072  00000-0  99999-4 0   125
2 20926   1.4073 270.2369 0034890 343.0128  17.2694  1.00857408   260
1990 094E
1 20927U 90 94  E 90333.15955110  .00002377  00000-0  21027-2 0   216
2 20927  47.2776 264.8480 7258522   6.7243 359.1416  2.27544571   613
1990 094F
1 20928U 90 94  F 90332.23281066  .00005117  00000-0  18084-2 0   222
2 20928  47.2460 264.9884 7276740   6.5904 359.0973  2.28055670   599
Cosmos 2103
1 20933U          90332.56981436  .00006359  00000-0  10926-3 0   283
2 20933  65.0057 138.0893 0009755 268.8632  91.1410 15.52053099  2226
Cosmos 2104
1 20936U 90 98  A 90334.08107646  .00196580  14557-4  10975-3 0   358
2 20936  62.8095 200.1920 0036868 137.5021 222.9746 16.17360920  2151
1990 098B
1 20937U 90 98  B 90332.55975126  .01151751  10049-4  10881-2 0   332
2 20937  62.7923 206.5727 0054981 115.6057 245.5212 16.08168473  1896
1990 099A
1 20941U 90 99  A 90333.09662968 -.00001036  00000-0  14466-2 0   127
2 20941  63.1947  44.1944 7378486 318.6872   4.6952  2.00700428   180
1990 099B
1 20942U 90 99  B 90332.54685138  .00721858  95683-5  13478-2 0   130
2 20942  62.9839  14.8078 0236680 118.1074 244.6116 15.66142114  1322
1990 099C
1 20943U 90 99  C 90332.51280654  .01935107  36999-4  12697-2 0   199
2 20943  63.0093  14.5796 0228695 121.5068 240.9237 15.80187509  1325
```

```
1990 099D
1 20944U          90325.13947965 0.00088084           21444+1 0    32
2 20944  63.0927  45.6282 7323106 318.6848   4.8349  2.03591478    35
1990 100A
1 20945U 90100  A 90333.19514441  .00000016  00000-0  99999-4 0    73
2 20945   0.1523 248.5820 0011739  43.6613  67.6528  1.00894628    64
1990 100B
1 20946U 90100  B 90331.16535822 -.00000117  00000-0  99999-4 0    45
2 20946   0.0637   9.3075 0054214  32.0469 319.0896  1.01320379    49
1990 100C
1 20947U 90100  C 90327.40234422  .00000633  00000-0  32045-3 0    28
2 20947   7.2554 219.7537 7281627 180.2993 179.2045  2.26621343    47
1990 100D
1 20948U 90100  D 90330.40505529  .00195895  00000-0  29631-1 0    66
2 20948   7.0318 218.7374 7271071 182.6477 168.5814  2.30792271   114
1990 101A
1 20949U 90101  A 90333.31481367  .00000830  00000-0  16050-1 0   137
2 20949  62.8287  68.4936 7368987 288.0872   9.5328  2.00697477   131
1990 101B
1 20950U 90101  B 90332.53658759  .00645877  90709-5  13186-2 0   115
2 20950  62.8079  49.7784 0251859 123.3690 239.2458 15.61756306   837
1990 101C
1 20951U 90101  C 90332.53896564  .01360383  36144-4  11077-2 0   176
2 20951  62.8413  49.6447 0291325 116.0593 247.0643 15.64185269   838
1990 101D
1 20952U          90327.72271297 0.00000019                   0    29
2 20952  62.7989  69.2373 7398019 288.0530  11.6160  1.97030088    16
1990 102A
1 20953U 90102  A 90330.40304860 -.00000011  00000-0  99999-4 0    51
2 20953   1.4563 271.9443 0013311 100.5974 262.2792  0.97641033    42
1990 102E
1 20957U 90102  E 90333.01388610  .00001182  00000-0  16662-2 0    42
2 20957  47.3450 270.5750 7290782   1.4990 359.7002  2.22059550    97
1990 102F
1 20958U 90102  F 90333.00463651  .00003222  00000-0  18854-2 0    43
2 20958  47.2777 270.5737 7311034   1.5010 359.7027  2.22467345   117
1990 103A
1 20959U 90103  A 90332.79999998  .00003641  60358-5  99999-4 0    74
2 20959  34.5660 183.0270 6061691 194.7040 214.1060  4.03407751    89
1990 103B
1 20960U 90103  B 90332.89362223  .00006798  00000-0  56559-3 0    64
2 20960  21.4202 169.1717 0155391 201.5721 157.8130 14.86232832   299
1990 103C
1 20961U 90103  C 90332.74079836  .00126180  60314-5  25167-2 0    61
2 20961  34.5832 183.0180 6056670 194.6818 134.1137  4.04481526    85
1990 104A
1 20966U 90104  A 90333.40712572  .00047085  00000-0  26570-2 0    35
2 20966  82.5091 341.9148 0013869 299.3182  60.6377 15.12858917   108
--
Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology
```

From 2398653988407070150
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7b1d5db95d38562a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-01 14:23:51 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!ucsd!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletin Format
Message-ID: <9012012223.AA19237@blackbird.afit.af.mil>
Date: 1 Dec 90 22:23:51 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 69
Posted: Sat Dec 1 23:23:51 1990

As a service to the satellite user community, the following description of the NASA Prediction Bulletin's two-line orbital element set format is uploaded to sci.space on a monthly basis. The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

==

Data for each satellite consists of three lines in the following format:

```
AAAAAAAAAAA
1 NNNNNU NNNNNAAA NNNNN.NNNNNNNN +.NNNNNNNN +NNNNN-N +NNNNN-N N NNNNN
2 NNNNN NNN.NNNN NNN.NNNN NNNNNNN NNN.NNNN NNN.NNNN NN.NNNNNNNNNNNNNN
```

Line 1 is a eleven-character name.

Lines 2 and 3 are the standard Two-Line Orbital Element Set Format identical to that used by NASA and NORAD. The format description is:

Line 2

Column	Description
01-01	Line Number of Element Data
03-07	Satellite Number
10-11	International Designator (Last two digits of launch year)
12-14	International Designator (Launch number of the year)
15-17	International Designator (Piece of launch)
19-20	Epoch Year (Last two digits of year)
21-32	Epoch (Julian Day and fractional portion of the day)
34-43	First Time Derivative of the Mean Motion or Ballistic Coefficient (Depending on ephemeris type)
45-52	Second Time Derivative of Mean Motion (decimal point assumed; blank if N/A)
54-61	BSTAR drag term if GP4 general perturbation theory was used.

	Otherwise, radiation pressure coefficient. (Decimal point assumed)
63-63	Ephemeris type
65-68	Element number
69-69	Check Sum (Modulo 10) (Letters, blanks, periods = 0; minus sign = 1; plus sign = 2)

Line 3

Column	Description
01-01	Line Number of Element Data
03-07	Satellite Number
09-16	Inclination [Degrees]
18-25	Right Ascension of the Ascending Node [Degrees]
27-33	Eccentricity (decimal point assumed)
35-42	Argument of Perigee [Degrees]
44-51	Mean Anomaly [Degrees]
53-63	Mean Motion [Revs per day]
64-68	Revolution number at epoch [Revs]
69-69	Check Sum (Modulo 10)

All other columns are blank or fixed.

Example:

```
NOAA 6
1 11416U          86 50.28438588 0.00000140           67960-4 0  5293
2 11416  98.5105  69.3305 0012788  63.2828 296.9658 14.24899292346978
```

Note that the International Designator fields are usually blank, as issued in the NASA Prediction Bulletins.

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

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From -5359267367001997658
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9bdeb071ee7d163
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-01 16:51:36 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!paul.rutgers.edu!aramis.rutgers.edu!rutgers!cs.utexas.edu!swrinde!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpfcso!vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: Packet interface to landline modem..?
Message-ID: <7500052@hpfcso.HP.COM>
Date: 2 Dec 90 00:51:36 GMT
References: <00940494.51218800@MAPLE.CIRCA.UFL.EDU>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 37
Posted: Sun Dec 2 01:51:36 1990

/ hpfcso:rec.ham-radio / jkaidor@synoptics.COM (Jerome Kaidor) / 9:25 am Nov 28,

1990 /
In article <276@bongo.UUCP> julian@bongo.info.com (Julian Macassey) writes:
>
> But one thing that does work is to connect a TNC back to back with a
>dial up modem on auto answer. It is then possible to call the home TNC
>from work and do some packet radio on company time.
>

I would feel nervous doing this unless I had something between the packet rig and the phone modem to make sure it was _me_ calling up. Something like, say, a _computer_. Hey, wait a second! I already have a computer hooked to both the phone modem and the packet setup. Now all I would need to do, is to write a program that answers the phone when it rings, accepts a password, and then connects the two com ports together, echoing characters from the one to the other, until it saw some really off-the-wall escape sequence. Then my program would hang up the phone. Or has someone already invented this wheel?

- Jerry Kaidor, KF6VB

I've had a Radio Shack Coco II running OS9 (a mini-Un*x) with a modem on one port and the TNC on another. I'd dial to the computer at home from work and connect to the TNC with a terminal emulator program to play packet. It was great fun to run a QSO with a friend in Montana from Fort Collins via the 145.01 NetRom nodes while at work. The packet speed was just right for still getting real work done - a sentence came through every 5 or 10 minutes. If my boss ever came by - I'd just iconize the window the session was running in.

OS9 has a simple password scheme so there was enough protection to keep out anyone but a dedicated hacker.

I know of other folks locally that have done the TNC to Modem connection. Not quite as secure but definately workable.

Bill - WA7NWP

From 3795031755760310405
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d21f57ba57e0801e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-01 17:01:29 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!paul.rutgers.edu!aramis.rutgers.edu!rutgers!usc!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpfcso!vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: QSL Card Dimensions
Message-ID: <7500054@hpfcso.HP.COM>
Date: 2 Dec 90 01:01:29 GMT
References: <17562@netcom.UUCP>
Organization: Hewlett-Packard, Fort Collins, CO, USA

Lines: 20
Posted: Sun Dec 2 02:01:29 1990

/ hpfcso:rec.ham-radio / edg@netcom.UUCP (Edward Greenberg) / 6:16 am Nov 27, 1990 /
>Rather than going to a QSL printer, I did some desktop publishing and took my
>QSL art to a copy shop. They did a good job except they made the cards 4 x
>5.5 rather than 3.5 by 5.5. They defended their decision since the cards
>still fall in post office spec.

--
Ed Greenberg   WB2GOH/6
edg@netcom   {amdahl | amdcad | apple}!netcom!edg
CompuServe: 76703,1070   Packet Radio: WB2GOH @ N6LDL.CA.USA.NA

I don't know about the postal regulations, but the bigger cards are
(to put it politely), a pain. If you're using the plastic wall hangers,
they just don't fit.

It's not a big deal - just kinda frustrating when a person likes to display
all the cards in order received.

Bill - WA7NWP

From -7750492324452909577
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ca9fdb563c46a07
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-01 17:32:22 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpfcso!hpfcdj!goris
From: goris@hpfcdj.HP.COM (Andy Goris)
Newsgroups: rec.ham-radio
Subject: Re: HT experiences?
Message-ID: <18230050@hpfcdj.HP.COM>
Date: 2 Dec 90 01:32:22 GMT
References: <"29-Nov-90.17:06:11.PST".*.John_L._Levin.El_Segundo@Xerox.com>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 35
Posted: Sun Dec 2 02:32:22 1990

John,

I, too have been shopping for HT's, and like the TH-77A and FT-470. I haven't
gotten to play with a TH-77A yet, but I've been borrowing an FT-470 for
3 weeks now, and here's my comments:

   Good: * Easy to use keyboard, easy to read display, all the standard
             features, including PL encode, out-of-band receive, etc.
             (ICOM charges $45 more for PL encode :-(.
           * Perfect size case and perfect size buttons. The ICOM's are

either too big or too small.
* Lit buttons
* Nice sounding speaker and microphone (I've listened to others transmitting with the 470.)
* Good scanning modes
* Knobs on top of the unit are easy to access and turn.

Bad:
* Image rejection/intermod - Pagers frequently screw up the ham bands.
* Poor sensitivity out-of-band (I've actually measured this as well as experienced it. The weather station at 162.55 comes in much weaker than on an ICOM-2GAT).
* Doesn't have 15KHz step. This turned out to not be as big a deal as I thought it would be, but it would be nice if it had it. It does have 5Kz, 12.5Kz, etc. steps, just not 15KHz.
* Out-of-band range is MUCH smaller than that of the ICOM-24AT or TH-77A (with mods).

Other comments: Whatever you do, get a better antenna than a rubber duck. I use a Diamond RH-77, which works very well.

-Andy Goris   goris@hpfcla.hp.com
AA0CM

From 1495788622935876484
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,23b68ffc1c174eee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-02 06:26:37 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!rex!rouge!pc!jpd
From: jpd@pc.usl.edu (Dugal James P.)
Newsgroups: rec.ham-radio
Subject: Re: TH-77 problem. Beware...
Message-ID: <19808@rouge.usl.edu>
Date: 1 Dec 90 20:16:08 GMT
References: <4115@network.ucsd.edu>
Sender: anon@rouge.usl.edu
Organization: Univ. of Southwestern La., Lafayette
Lines: 20
Posted: Sat Dec 1 21:16:08 1990
Originator: jpd@pc.usl.edu

In article <4115@network.ucsd.edu> brent@network.ucsd.edu (Brent Jones) writes:
>There is a major glitch with the TH-77 with its memories. If you let
>the battery die down with the radio turned on, you will lose all
>memories and the radio will reset. Removing the battery pack with the
>radio on does not affect this, only letting the battery pack die. Terrible
>engineering flaw...

I've had this happen twice to me, too. I have APO and batt. saver on (the

defaults). But it doesn't always happen after the battery dies. I will
try remember to just remove the pack if I suspect the battery died, rather
than play with the power on switch. I have a suspicion that leaving the
power switch alone may be the way to have the memories survive a dead battery.
Can anyone confirm or prove this theory erroneous?

73,
--
-- James Dugal,   N5KNX   Internet: jpd@usl.edu
Associate Director   Ham packet: n5knx@k5arh
Computing Center   US Mail: PO Box 42770 Lafayette, LA 70504
University of Southwestern LA.   Tel. 318-231-6417 U.S.A.

From -2990742000379368386
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc25c63d5fac82c5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-02 07:40:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: Cyrillic (and other) morse code.
Message-ID: <47008@apple.Apple.COM>
Date: 1 Dec 90 23:50:24 GMT
References: <1990Dec1.093327.12316@lth.se>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 22
Posted: Sun Dec 2 00:50:24 1990

In article <1990Dec1.093327.12316@lth.se> d89mb@efd.lth.se (Magnus Bodin) writes:
>Is there anywhere a file obtainable containing cyrillic morse code?
>(Or turkish)?
>
>I beleive the ARRL-book used to contain japanese and others but Russian?
>(Cyrillic).

Yes, the ARRL Handbook shows the Morse characters for Japanese, Korean,
Arabic, Hebrew, Russian (Cyrillic), and Greek. Also some special characters
added to the usual international set for certain European languages
and for Esperanto.

If you don't have access to the Handbook, perhaps someone can suggest
another source.

Patty
--
****
Patty Winter N6BIS   INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]   UUCP: {decwrl,nsc,sun}!apple!winter
****

```
From -5079652966662845415
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61aeb9b2f9330996
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-02 07:41:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ub!
uhura.cc.rochester.edu!uhura!saaf
From: saaf@joker.optics.rochester.edu (Lennart Saaf)
Newsgroups: rec.ham-radio
Subject: Re: advice to CW novices
Message-ID: <SAAF.90Dec1175334@joker.optics.rochester.edu>
Date: 1 Dec 90 22:53:34 GMT
References: <40465@ut-emx.uucp>
Sender: news@uhura.cc.rochester.edu
Organization: The Institute of Optics, University of Rochester
Lines: 49
Posted: Sat Dec  1 23:53:34 1990
In-reply-to: oo7@ut-emx.uucp's message of 30 Nov 90 22:35:04 GMT

>>>>> On 30 Nov 90 22:35:04 GMT, oo7@ut-emx.uucp (Derek Wills) said:
> jerry@altos86.UUCP (Jerry Gardner) writes:
>I would then answer with something like:
>
>KK6MY DE NJ6A GE OM TNX FER CALL  UR RST 599  QTH SAN RAMON, CA  NAME HR
>                   ^^
>
>In English this is: good evening old man, thanks for the call.  Your signal
>                                       ^^^

> Jerry, can you please explain to us how you know that the person calling is
> male?   I find it impossible to distinguish male cw sending from female cw
> sending, so I would really appreciate knowing the secret.  I wouldn't want
> to address a male ham as a female, or do the reverse.  I'm sure you don't
> want to perpetuate the idea that only males can be radio hams, or do you?

Derek, can you please explain to us how you know that the person
calling is english-speaking?  I find it impossible to distinguish
english cw sending from non-english cw sending, so I would really
appreciate knowing the secret.  I wouldn't want to address an
english-speaking ham as a non-english speaker, or do the reverse.  I'm
sure you don't want to perpetuate the idea that only english speakers
can be radio hams, or do you?

> 88, old woman -

Conyo! y smilies.

Len, NV2Z
```

--
```
------------------------------------------------------------------------
| Len Saaf, The Institute of Optics, Univ. of Rochester, Rochester, NY |
| Internet: saaf@joker.optics.rochester.edu        Bitnet: SAAF@UOROPT |
------------------------------------------------------------------------
```

From 2497169023405598933
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79ce062cd18ba074,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-02 08:29:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
elroy.jpl.nasa.gov!aero!obrien
From: obrien@aerospace.aero.org (Mike O'Brien)
Newsgroups: rec.ham-radio
Subject: Usenet Un-Net strikes again
Keywords: un-net
Message-ID: <93141@aerospace.AERO.ORG>
Date: 1 Dec 90 23:40:37 GMT
Sender: news@aerospace.aero.org
Organization: The Aerospace Corporation, El Segundo, CA
Lines: 15
Posted: Sun Dec 2 00:40:37 1990
Originator: obrien@anpiel.aero.org

Had a good time with the Usenet Un-Net this morning, though I must say that it seems to be primarily an East Coast phenomenon. I could barely hear the stations and they could not hear me, except for one intermediate station who was kind enough to relay my check-in (and got my call wrong - it's KC6OJW, not KB6).

One confused person from Tabago checked in by accident. 10 meters was definitely open this morning.

Check in and check it out. 28.390 or 28.410, depending on QRM, Saturdays 1700-1900Z. Be there...or be somewhere else.
--
--
Mike O'Brien
obrien@aerospace.aero.org

```
From -8432575445240110979
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e64e132bb88a4f98
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-02 10:13:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!emory!kd4nc!km4ba!alan
From: alan@km4ba.UUCP (Alan Barrow)
Newsgroups: rec.ham-radio
Subject: Re: RC-850 Controller Info Needed
Message-ID: <208@km4ba.UUCP>
Date: 2 Dec 90 00:56:29 GMT
References: <9011282105.AA25855@ucsd.edu> <7500050@hpfcso.HP.COM>
Organization: km4ba's packet radio gateway, Atlanta GA.
Lines: 74
Posted: Sun Dec  2 01:56:29 1990
```

FYI,

Before you buy that product, you might be interested
in a conversation that a good friend of mine had with
the Pres. of that company abt 1 mth ago. You know who "the company"
is.

My friend was concerned over the lack of interest that "the company"
had in correcting bugs and improving operation of their
products. The rpt group in question has several of "the company"'s
products. (85, 850, DVR, full remote base, FC-1, packet I/F)

They have had several occurences of "the company" bug fixes introducing
new bugs & problems with the other "the company" products. There are
also known problems that will cause the products to "lock up"
when certain operations are tried. (Legimate commands)

When asked abt the problems & bugs, the pres responded with
market-speak that the DVR & remote base users were such a
small percentage of their business that they were not going
to invest the time to correct them. When pressed on the issue,
he responded that the entire ham market was a small percentage
of what they do, and was difficult to deal with. When asked
again abt the bugs, he basically stated that the answer was no.

When asked abt why they were still advertising & selling
products knowing they were not going to support/enhance them,
the pres seemed to lose his temper. (Brings to mind some
"the company" ads..)

My friend walked away with several observations:

1) "the company" is losing/has lost interest in the ham mkt.
   (Despite their ads & hamfest efforts)

2) That despite what they say, their accessory products are supported at a reduced level. (Less users=Less support)

3) Operating a complete "the company" system becomes very difficult.

4) The quality of "the company" firmware upgrade does not seem to be fully tested.

5) Of the controllers available, "the company" is the least interested in "enhancement-requests". They are "use it they way it is, or go somewhere else" in this respect.

6) Future purchases of "the company" products are doubtful.

They mainly bought the "the company" system because because they were the only ones offering a "complete" system. Since the "system" is full of holes, they are not "happy campers".

There are other products that are engineered better, but do not have as many bells & whistles. They have been buying them for new projects.

So, knowing that I was not there, and this is second hand, give me a call if you want to speak with the person who *was* there.

I guess to prevent the "the company" lawyers from putting me in the poorhouse, I will state:

> That the events described above are anecdotal (sp?)
> and are strictly hearsay.

However, call me if you want to talk 1st person to the guy who was there.

caveat emptor!

Alan Barrow km4ba 404/425-0820 H
..!gatech!kd4nc!km4ba!alan

From -8278870979571107552
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6906a1d64aa3485d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-02 10:13:45 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Space Shuttle Updates
Message-ID: <647.275800B2@w8grt.fidonet.org>
Date: 1 Dec 90 21:45:57 GMT
Organization: QRV de W8GRT, Sylvania, OH

Lines: 30
Posted: Sat Dec 1 22:45:57 1990

 > Path: w8grt!jim.grubs
 > From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
 > Newsgroups: rec.ham-radio
 > Subject: Space Shuttle Updates
 > Message-ID: <643.2756AD39@w8grt.fidonet.org>
 > Date: Fri, 30 Nov 90 17:44:48 EST
 > Organization: QRV de W8GRT, Sylvania, OH
 >
 > > From: wejones@CRDEC7.APGEA.ARMY.MIL ("William E. Jones III")
 > > Date: 27 Nov 90 16:39:58 GMT
 > > Organization: The Internet
 > > Message-ID: <9011271139.aa05074@crdec7.apgea.army.mil>
 > > Newsgroups: rec.ham-radio
 > >
 > > This may or may not be of interest to people, but in addition to the
 > > shuttle status reports posted to this group, there are "Shuttle Status"
 > > (ss),
 > > "Payload Status" (ps), "Launch Advisories" (la), "Headline News", etc
 > > available on ames.arc.nasa.gov (128.102.18.3) via ftp. The are in a
 >
 > These are also available as part of maillists. Conmtact Peter Yee
 > ("yee@ames.nasa.gov") for more details.

I lied. It's "yee@ames.arc.nasa.gov", as above.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 7932498606236458026
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc25c63d5fac82c5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-02 10:22:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!think.com!linus!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Re: morse code. (How would you handle Chinese characters?
Message-ID: <113902@philabs.Philips.Com>
Date: 2 Dec 90 01:43:51 GMT
References: <1990Dec1.093327.12316@lth.se>
Sender: news@philabs.Philips.Com
Reply-To: rfc@briar.philips.com.UUCP (Robert Casey)
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 4
Posted: Sun Dec 2 02:43:51 1990

This talk about other alphabets in "morse" code got me wondering how the Chinese would do a code. Assuming that they don't use ASCII or other alphabets. Imagine that the guy who invented the concept of Morse code was Chinese and had enough technology available. What would he have done?

From -774012923522284318
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61aeb9b2f9330996
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-02 10:23:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!sun-barr!newstop!sun!amdcad!mozart.amd.com!positron!brian
From: brian@positron.amd.com (Brian McMinn)
Newsgroups: rec.ham-radio
Subject: Re: advice to CW novices
Message-ID: <1990Dec1.210353.16654@mozart.amd.com>
Date: 1 Dec 90 21:03:53 GMT
References: <40465@ut-emx.uucp> <23980@ucsd.Edu>
Sender: usenet@mozart.amd.com (Usenet News)
Organization: Advanced Micro Devices, Austin, TX
Lines: 23
Posted: Sat Dec 1 22:03:53 1990

Derek Wills writes:
| >   ... OM ...   ::=   "old man"
| Jerry, can you please explain to us how you know that the person calling is
| male?

Brian Kantor writes:
|
| Coming from someone whose login is the trademark of the ultimate in
| macho womanizing males, I find your false piety ludicrous.
| [etc]

Careful Brian, seems clear to me that you've never met Derek. I know that the text only format of news can often give the wrong impression of what someone is saying and I believe that this has happened here. Can we now return this frequency to an alternate flame war? :-)

YAB (Yet Another Brian)

--
Brian McMinn   brian@amd.com
Advanced Micro Devices   N5PSS
Austin, Texas   1-(512)-462-5389
"You can't leap a chasm in two jumps."

From -3267647231917239047
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2a2517467ed45f47,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-02 10:31:37 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Derek Wills)
Newsgroups: rec.ham-radio
Subject: prosigns for female ops
Message-ID: <40532@ut-emx.uucp>
Date: 2 Dec 90 02:12:22 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 40
Posted: Sun Dec 2 03:12:22 1990

edg@netcom.UUCP (Edward Greenberg) says:

In article <47000@apple.Apple.COM> winter@Apple.COM (Patty Winter) writes:
> .... Does it make a
> female ham feel welcome when someone says, "TNX FER CALL OM"? Hell,
> no. It's a simple enough habit to change, so why denigrate sincere
> requests to do so?

Is there a similar handle by which to address a YL. I've never heard YL used in the first person, and it seems rather offensive anyway.

Anyway, what do you guys :-) think is a good thing to put in the blank in:

GE ___ ES TNX FER THE CALL.

I don't really think you need anything. I think it's perfectly OK to send "GE es tnx fer call, ur RST .... (etc.)" on the first over, the other person can then address you by name on the next over, and you can do the same the next time around too. When you think about it, it's pretty artificial to address someone by their first name within seconds of meeting them, when they are perhaps halfway round the world and you may never run into them again. I do it, I think it's friendly, but it's still somewhat artificial.

I have occasionally had someone (non-U.S.) ask whether I am a "YL or OM", I usually don't even think about the gender of the invisible person at the other end of the QSO. I did hear an amusing exchange between a U.S. op and a Chinese ham recently, in which the BY said "name is Gu/YL", meaning her name is Gu and she's a female. This seemed to confuse the US ham, who had to ask for a repeat, and for the rest of the QSO sent things like "tnx for the QSO, Gu/YL...", I suppose Chinese names are confusing anyway....

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From 7863819991167477473
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-02 10:45:43 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!uflorida!gatech!rutgers!bellcore!envy!karn
From: karn@envy..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Internet-Packet Reply (LONG!)
Message-ID: <1990Dec2.000353.26923@bellcore.bellcore.com>
Date: 2 Dec 90 00:03:53 GMT
References: <644.2756EB68@w8grt.fidonet.org>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@envy.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 30
Posted: Sun Dec 2 01:03:53 1990

In article <644.2756EB68@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

> > The FCC's major concern is not that someone might say a naughty word on the air. They are concerned that unscrupulous people might use amateur frequencies for business or criminal purposes without there being any means of detecting and tracking them.
>
>I'll take that seriously after they get rid of the non-ham taxicabs, truckers, boaters, and balloonists...

Yeah, I tend to agree. I suppose they are just as concerned about detecting and tracking the potential criminal use of the telephone. Face it, for almost any real application (criminal or legal) the phone (conventional or cellular) is a heckuva lot more practical than amateur radio will ever be.

I still wonder if the third-party rules aren't really intended to ensure the continuing uselessness of amateur radio to society at large, all the better to cause it to die more quickly so its frequencies can be given to other services.

I'm not saying that amateur radio should go commercial. Its prime functions of volunteer communications and technical development should remain unchanged. But strict rules based on the premise that even the isolated semi-business use of amateur radio is so horrible that each and every non-amateur message has to be manually censored before it can enter amateur frequencies have destroyed most of the opportunities for synergistic cooperation between amateur and non-amateur networks. And that's a shame.

Phil

From -4571109645575041778
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-02 12:37:53 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Another look at Radar Detector Legality for Hams
Message-ID: <652.27584738@w8grt.fidonet.org>
Date: 2 Dec 90 03:37:16 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 19
Posted: Sun Dec 2 04:37:16 1990

> From: yetsko@interlan.interlan.com (Mike Yetsko)
> Date: 30 Nov 90 13:53:27 GMT
> Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
> Message-ID: <YETSKO.90Nov30085327@interlan.interlan.com>
> Newsgroups: rec.ham-radio
>
> I don't have a radar detector, it's an application specific field
> strength indicator.

As a side benefit, it also assists safety conscious drivers to pinpoint those portions of the Interstate that are considered by knowledgeable authorities to be fraught with hazard as a consequence of the large number of motorists driving without due regard for safety. :)

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -8621332147608165408
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f69586a88e6502e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-02 12:40:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!paul.rutgers.edu!aramis.rutgers.edu!rutgers!sun-barr!lll-winken!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpfcso!vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: In Defense Of CB
Message-ID: <7500053@hpfcso.HP.COM>
Date: 2 Dec 90 00:57:45 GMT
References: <1990Nov27.001114.3755@smcnet.smc.edu>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 20
Posted: Sun Dec 2 01:57:45 1990

/ hpfcso:rec.ham-radio / obrien@aero.aero.org (Michael O'Brien) / 2:21 pm Nov 28, 1990 /

In article <1990Nov27.001114.3755@smcnet.smc.edu>, rblack@smcnet.smc.edu (Russ Black, Media Center) writes:

>radio, and I then went on to regain my ticket. But when I'm in Yellowstone,
>you'll find me right there on Channel 30 - none of the other GOSA members
>are hams. And when I'm in Yellowstone, I'm interested in geysers, NOT
>DX! CB is eminently practical in the bush, all right.
>--
>Mike O'Brien, KC6OJW
>obrien@aerospace.aero.org

I often drive from Fort Collins to visit relatives in Montana via Wyoming. On those nights, when both Wyoming hams are asleep, it's a pleasure to visit with the truckers on ch19. Unfortunately, often there aren't even any trucks in range.

Bill - WA7NWP

From -7400420379242780740
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c045372d07b88261,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-02 12:48:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!udel!burdvax!techpubs
From: techpubs@PRC.Unisys.COM (Technical Pub. Vince Short)
Newsgroups: rec.ham-radio
Subject: SAREX Operating Schedule in UTC
Message-ID: <15813@burdvax.PRC.Unisys.COM>
Date: 2 Dec 90 09:42:15 GMT
Organization: Unisys Corporation, Paoli Research Center; Paoli, PA
Lines: 76
Posted: Sun Dec 2 10:42:15 1990

Below is the SAREX operating schedule with dates and times given in UTC and adjusted for actual STS-35 launch time. The basic data for this schedule comes from "STS-35 SAREX Shuttle Amateur Radio Experiment Information Summary" as distributed on rec.ham-radio by N5WQC/W5RRR on 29 November.

The first three columns give Mission Elapsed Time (MET) in Days, Hours, and Minutes. The next three columns give the same time in Universal Coordinated Time (UTC) in Day of the Month, Hours, and Minutes. The final column identifies the nature of the event to occur at that time.

Be careful when using these UTC times that you are really thinking in UTC and not in your local time. Remember for example that Tuesday December 4 01:30

UTC is Monday night December 3 20:30 EST, 19:30 CST, 18:30 MST, or 17:30 PST.

Good luck and happy Shuttle DX'ing.

Official launch time is 2 December, 1990, 01:49:01.07 UTC

```
MET           UTC
 D   Hr  Mh    D   Hr  Mh     Event
 -   --  --    -   --  --   ----------
  0   0   0     2   6  49   Launch
  0  20   0     3   2  49   Start_SAREX
  0  20  30     3   3  19   Activate_robot
  1   9  30     3  16  19   Deactivate_robot,_start_crew_tended
  1  11   0     3  17  49   SAREX_off

  1  19   0     4   1  49   Start_SAREX_crew_tended
  1  20  30     4   3  19   Activate_robot
  2   8  55     4  15  44   Deactivate_robot,_start_crew_tended
  2  11   0     4  17  49   SAREX_off

  2  19   0     5   1  49   Start_SAREX_crew_tended
  2  20  30     0   0   0   Activate_robot
  3   8  45     5  15  34   Deactivate_robot,_start_crew_tended
  3  11   0     5  17  49   SAREX_off

  3  19   0     6   1  49   Start_SAREX_crew_tended
  3  20  30     6   3  19   Activate_robot
  4   9   0     6  15  49   Deactivate_robot,_start_crew_tended
  4  11   0     6  17  49   SAREX_off

  4  19   0     7   1  49   Start_SAREX_crew_tended
  4  20  30     7   3  19   Activate_robot
  5   8  45     0   0   0   Deactivate_robot,_start_crew_tended
  5  11   0     7  17  49   SAREX_off

  5  19   0     8   1  49   Start_SAREX_crew_tended
  5  20  30     8   3  19   Activate_robot
  6   8  55     8  15  44   Deactivate_robot,_start_crew_tended
  6  11   0     8  17  49   SAREX_off

  6  19   0     9   1  49   Start_SAREX_crew_tended
  6  20  30     9   3  19   Activate_robot
  7   8  45     9  15  34   Deactivate_robot,_start_crew_tended
  7  11   0     9  17  49   SAREX_off

  7  19   0     0   0   0   Start_SAREX_crew_tended
  7  20  29    10   3  18   Activate_robot
  8   8  15    10  15   4   Deactivate_robot,_start_crew_tended
  8  10   0    10  16  49   Power_down_SAREX,_stow
  EXTENDED DURATION OPTION
  8  18  30    11   1  19   Start_SAREX_crew_tended
  8  20   0    11   2  49   Activate_robot
  9   7  45    11  14  34   Deactivate_robot,_start_crew_tended
  9   8  30    11  15  19   SAREX_off
  9   9   0    11  15  49   Power_down_SAREX,_stow
```

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From -3874599902312644533
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2a2517467ed45f47
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-02 12:52:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!usc!wuarchive!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: prosigns for female ops
Message-ID: <4391@lib.tmc.edu>
Date: 2 Dec 90 13:25:53 GMT
References: <40532@ut-emx.uucp>
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 17
Posted: Sun Dec 2 14:25:53 1990
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <40532@ut-emx.uucp> oo7@ut-emx.uucp (Derek Wills) writes:
>When you think about it, it's pretty artificial to
>address someone by their first name within seconds of meeting them, when
>they are perhaps halfway round the world and you may never run into them
>again. I do it, I think it's friendly, but it's still somewhat artificial.

This is yet another ham tradition, and a harmless one. It emphasizes that all hams, whatever else they may be, belong to the (what's the non-gender-specific equivalent to "fraternity"? I think "frarority" is an abomination.) of hams. While I may not consider addressing JY1 as anything but "your highness" in a normal social context, when it's one ham to another, Hussein is appropriate...and, I understand, what he expects.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
  "...flames are a specific art form of Usenet..." -- Gregory C. Woodbury

---

From -8823914616539074383
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55883a9b0af5fc3a,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-02 13:08:14 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins: Space Shuttle
Message-ID: <9012022108.AA05527@blackbird.afit.af.mil>
Date: 2 Dec 90 21:08:14 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Sun Dec 2 22:08:14 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current elements for the current shuttle mission are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
STS 35
1 20980U 90106  A 90336.61736111  .00035624  00000-0  25599-3 0    42
2 20980  28.4655   2.6447 0008117 274.8877 246.4809 15.72079870    58
--
Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology
```

From 6972367406711956380
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0cab89724683f8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,c0cab89724683f8
X-Google-Attributes: gidf5cc0,public
X-Google-Thread: fddbf,c0cab89724683f8
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-12-02 18:38:10 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!rutgers!bellcore!envy!karn
From: karn@envy..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.space
Subject: Re: * SpaceNews 03-Dec-90 *
Keywords: Keplerian Data Defined
Message-ID: <1990Dec2.190051.11825@bellcore.bellcore.com>
Date: 2 Dec 90 19:00:51 GMT
References: <378@ka2qhd.UUCP>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@envy.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 62
Xref: gmdzi rec.ham-radio:17342 rec.ham-radio.packet:3136 sci.space:17905
Posted: Sun Dec 2 20:00:51 1990

In article <378@ka2qhd.UUCP> kd2bd@ka2qhd.UUCP (John Magliacane) writes an otherwise excellent tutorial on Keplerian orbital elements. However, there are a few minor errors.
>ECCENTRICITY: (0..1)
>
>A dimensionless term used to describe the "flatness" of the elliptical orbit.
>A circle has an eccentricity of zero. A line has an eccentricity of 1.
>The orbit of OSCAR-13 has an eccentricity of about 0.7.

Actually, a parabola has an eccentricity of 1. A line has an eccentricity of infinity. Orbits with eccentricities between 1 and infinity are hyperbolae. (The Voyager 1/2 and Pioneer 10/11 spacecraft are in hyperbolic orbits with respect to the sun, i.e., they're on solar system escape trajectories.)

>ARGUMENT OF PERIGEE: (XXX.XXXX degrees)
>
>The angle between the line from the Earth's center to the satellite's point
>of lowest altitude (perigee) and the line from the Earth's center to the
>point where the orbit crosses the equatorial plane, going north.

The angle should be measured the opposite way (i.e., from the ascending node to the perigee point, not the other way around). Also, the angle is measured in the orbit plane.

>MEAN ANOMALY: (XXX.XXXX degrees)
>
>The angle which specifies the position of a satellite in its orbit, measured
>from perigee.

No. This is "true anomaly". Mean anomaly is a somewhat artificial value; it's actually a measure of TIME since perigee, with that time value scaled so that 360 degrees represents one orbital period. Mean and true anomaly coincide only at perigee (0) and apogee (180) except in the case of a perfectly circular orbit, in which case they are always the same.

>Some satellite tracking programs use SMA as a replacement for mean motion.
>The quantity (1440/MM) yields the anomalistic period of the satellite (in
>minutes between perigees).

Note that this is not recommended practice. Small errors in computed SMA result in bounded errors in computed distance to the satellite (which most hams don't care about, except for those doing ranging) while small errors in computed mean motion can result in unbounded errors in satellite position along the orbit as time increases. Therefore it's better to use mean moton as input to the program and have it compute SMA internally rather than the other way around.

>ORBIT NUMBER: (XXXXX)
>
>The number of perigees the satellite has experienced at the reference epoch.

This figure has probably caused more confusion in the amateur community than any other, mainly because the figures included in the NORAD/NASA bulletins are so often wrong. Some agencies count orbits as ascending nodes (south-to-north equator crossings), others count them as perigee passings, and because of continuous changes in the argument of perigee caused by orbital perturbations (chiefly the earth's equatorial bulge) these number diverge after some time in orbit.

Phil

From -7717362479836132822
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c045372d07b88261
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-02 18:43:58 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!wuarchive!udel!burdvax!techpubs
From: techpubs@PRC.Unisys.COM (Technical Pub. Vince Short)
Newsgroups: rec.ham-radio
Subject: Re: SAREX Operating Schedule in UTC
Message-ID: <15815@burdvax.PRC.Unisys.COM>
Date: 2 Dec 90 19:17:45 GMT
References: <15813@burdvax.PRC.Unisys.COM>
Organization: Unisys Corporation, Paoli Research Center; Paoli, PA
Lines: 18
Posted: Sun Dec 2 20:17:45 1990

OOPS!

The official launch time for STS-35 and the Sarex mission that I gave in the posting this morning is not UTC as claimed, but EST. The CORRECT UTC launch time is 2 December, 1990, 06:49:01.07. The times given in the sarex operating schedule list correctly give UTC as indicated.

Trying to do these things at 04:00 hours local time does have a price!

My apologies for any inconvenience this error may have caused.

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From -580420914135347158
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc25c63d5fac82c5
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-12-02 19:18:14 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!julius.cs.uiuc.edu!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: morse code. (How would you handle Chinese characters?
Message-ID: <47020@apple.Apple.COM>
Date: 2 Dec 90 20:48:02 GMT
References: <1990Dec1.093327.12316@lth.se> <113902@philabs.Philips.Com>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 20
Posted: Sun Dec 2 21:48:02 1990

rfc@briar.Philips.Com (Robert Casey) writes:

>This talk about other alphabets in "morse" code got me wondering how the
>Chinese would do a code. Assuming that they don't use ASCII or other
>alphabets. Imagine that the guy who invented the concept of Morse code was
>Chinese and had enough technology available. What would he have done?

She would possibly have used PinYin. Except a rearrangement of the
codes so that D. A. Huffman won't fall on the floor laughing. Have
you noticed how often Qs and Xs pop up in PinYin? Won't be right
assigning long chains of dahs and dits for those characters now,
would it? :-) :-)

Didit.

73,

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From -5287290658447334035
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2a2517467ed45f47
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-02 19:27:16 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: prosigns for female ops
Message-ID: <47021@apple.Apple.COM>
Date: 2 Dec 90 20:53:05 GMT
References: <40532@ut-emx.uucp>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 14
Posted: Sun Dec 2 21:53:05 1990

oo7@ut-emx.uucp (Derek Wills) writes:

>I did hear an amusing exchange between a U.S. op and

>a Chinese ham recently, in which the BY said "name is Gu/YL", meaning her
>name is Gu and she's a female. This seemed to confuse the US ham, who had
>to ask for a repeat, and for the rest of the QSO sent things like "tnx for
>the QSO, Gu/YL...", I suppose Chinese names are confusing anyway....
>
>Derek Wills (AA5BT, G3NMX)

No more than your name is confusing to a furriner, Derek/OM.

de AA6TY, Chen/OM

From -5525584438396147052
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1433ee618849bb4e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-02 19:33:09 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!ceres.physics.uiowa.edu!news.iastate.edu!ux1.cso.uiuc.edu!uicsl.csl.uiuc.edu!gene
From: gene@uicsl.csl.uiuc.edu (Gene Gardner)
Newsgroups: rec.ham-radio
Subject: Novel, SIMPLE RTTY
Summary: A simple, low-cost way to add RTTY to your hobby
Keywords: RTTY
Message-ID: <1990Dec2.203334.20845@ux1.cso.uiuc.edu>
Date: 2 Dec 90 20:33:34 GMT
Sender: news@ux1.cso.uiuc.edu (News)
Distribution: rec.ham-radio
Organization: University of Illinois at Urbana
Lines: 172
Posted: Sun Dec 2 21:33:34 1990

This rather simple idea is proposed for perhaps two types of groups..... ..those who have become a little bored with their ordinary SSB QSO's and schedules and are curious to try RTTY which is uncomplicated and VERY CHEAP to play around with, and perhaps a younger group who are necessarily limited to a low budget. The former group would include a large number of retired hams who have excellent transceivers, likely to have "buddies" that they frequently chat with, and have plenty of time during non-QRM hours, but also would enjoy the simplicity of this approach.

The idea is to simply utilize a low-cost 0 to 300 baud, ASCII modem and operate on 110-baud (standard Bell 103). It ordinarily uses two sets of tones... 1070, 1270 and 2025, 2225 Hz. We however, will only use 2025 (space) and 2225 (mark). Note that the "higher tone" is the "mark" which is opposite the usual ham-RTTY convention.

The modem (pair) that I recently used to check out the system was a VERY ATTRACTIVE BARGAIN in the two most recent issues of "RUN" Magazine which is a magazine for Commodore Owners. It is offering a close-out of Commodore Model 1660 0-300 baud modems for $10 plus $3.50 shipping. It is a high-quality modem that includes a 5 1/4" disk with two excellent "terminal programs". An excellent user's manual is also included. So this modem is especially attractive for Commodore-64, 128, or Vic-20 owners. The disk that comes with it will allow pre-recorded messages to be "up-loaded", i.e. automatically sent out over the air at 110-baud, and incoming messages, or QSO's can be captured in the computer memory and re-read, or printed out later if desired.

Also, of course, the simplest of "terminal programs" can be used if desired, and there are many public domain ones around, or a simple, short "basic language" program can be hand-typed in.

They say the supply is limited and can be ordered by phone (credit-card) at 1-800-343-0728, or by mail at: RUN Modem Offer, 80 Elm St, Peterborough, NH, 03458.

This modem has the convenient (for our purposes) manual switch to change from "Originate" mode to "Answer" mode....so our simple little trick is to Xmit in the "Ans" mode (which Xmits the 2025, 2225 Hz tones), but then when we switch to Rcv we must also switch the modem to "Originate" mode so that it will be receiving on the same 2025, 2225 tone-pair. The modem is just a little too "smart" for us as designed since it only turns on the Xmit tones when the computer takes it "Off-Hook". To avoid this complication, it can be forced to Xmit at all times in the "Ans" mode by prying off the plastic case....cut the conductor to pin "J" and ground the conductor that previously went to "J" (don't ground pin "J". If you don't have a diagram, pin "J" is across from pin 8 on the 24-pin connector. (All four end pins, 1,A,12,N are ground).

Although I don't think it's necessary, I also disabled the "Carrier Detect" line by cutting the conductor that went to pins H & K, and this time, pins H & K get grounded but not the conductor. (Pins H & K are directly next to pin "J" on opposite sides.....across from pins 7 & 9).

The conventional telephone connection (only the red & green wires are used) to the modem (USOCRJ11C) puts out a pure sine-wave of approx 500 mv P-P which is too much since we will be switching this into the microphone input during Xmit. I attenuated this about 20:1 with 10K/510 ohm divider network. This was a good level for my ICOM-751, and my friend's ICOM-725 . At this early stage, we used a small DPDT toggle switch to simultaneously key the Xmtter as the modem telephone line was transferred from the Rcvr audio out, to the Microphone input connection.....which requires that the Orig/Ans switch on the modem must also be switched manually. If we play with this scheme much longer we will probably extend wires out from the modem switch and have a second DPDT sw alongside the first one so that they can easily be switched together. In the Rcv mode, we did not use a gain pot....only a 2.2K series resistor was used to reduce the Rcv audio level into the modem. Actually, I used a small 600:600 ohm isolation xfmr between the modem phone-line and the transceiver DPDT switching, but I don't think it would be required.

TO THIS POINT, this would appear to be Commodore-computer oriented,
BUT THE FACT IS that my friend didn't have a Commodore. We both did have, however HAZELTINE 1500 computer-terminals. These and similar terminals are beginning to appear at reasonable prices.

This is already too long, so I won't mention the modification details that were done to the Haz-1500 except to say that it is quite easy and only 4 resistors, 1 transistor, 2 zeners, and 1 diode were used....all concentrated near the "AUX OUT" 25-pin connector which is seldom used and has about 20 unused pins... only two conductors were cut (related to the AUX OUT connector and probably never needed) and this included a "reversing" switch for RCV.

By the way, the modem gets it's power from the Commodore computer in the first case, and from the Haz-1500 in the second case (Modem basically will require + and - 5 volts).

I probably should remind some readers of some underlying factors in this experimetal proposal: first, I will confess I have only recently tinkered with any RTTY so may be naive on some things that may raise some eyebrows among the pro's
This is not intended to compete with the high-tech state-of-the-art with all it's error-correcting, auto-copy etc., but perhaps it might attract some who have not up until now ventured into RTTY.

This is ASCII, and practically all the ordinary, simpler QSO'S are on 45.45 baud Baudot with 170 Hz shift (ours is 200 Hz). I believe the bandwidth required for our 200 Hz, 110-baud is 200+(2 x 110)= 420 Hz, compared to 170+(2 x 45.45)=261 Hz. Note that conventional RTTY tones are 2125(mark) and 2295 (space). By the way, this system works at up thru 300-baud also.

As most are probably aware, this method of putting audio-shifted tones into the microphone input of an SSB transceiver, is just a trick way of imitating the conventional cw carrier-shift method (FSK). Assuming that sideband suppression and carrier-suppression is proper, the person receiving you will not be able to tell which method you are using. Remember, however, that your actual transmitted mark-carrier is 2.225 Khz higher (on USB), or 2.225 Khz lower (on LSB) than what your transceiver digital readout says. Thus if you wanted to invert your tones by changing sidebands, your dial readout would have to be shifted 4.450 Khz to keep your mark tone on the previous frequency. (This does not apply if you are talking to someone using this same experimental system).

To avoid all these considerations, I will probably later modify the modem further to include a couple of simple inverters and separate switches for either, or both Rcv & Xmit. Two sections of a CD-4007 CMOS operating on +5 volts seems like an easy solution....crudely included within the modem case.

By the way, the 1660-modem takes pos-logic data IN on pin "M" (across from pin "11") and sends OUT pos-logic level on pins "B,C" (across from pins 2 & 3).

+5 volts goes to pin"2", but you will have to patch-wire in your -5v to IC pin-4 of the LM-358 (IC-2). Alternatively, you can put approx -9v on the Neg-lead of C-4 which then goes thru a small pass-transistor which drops it to -5v. If the modem will never be plugged into a Commodore computer, you can steal pin "11" to send this Neg-voltage in.

If any group should adopt this "modem-type" approach....note that every thing works out perfectly....it's just as simple as getting on "voice SSB" on exactly the same frequency. With all the excellent transceivers in widespread use, there need be no frustration or tuning indicators required. The only need would be for users to sharpen up their skills in getting their transceiver precisely on frequency (there are neat tricks to to be able to calibrate to WWV and get on freq to within about 10 or 20 Hz. easily and quickly)...they should probably use a convention of always operating on a full Khz (no fractions) so that signals could be easily tuned in.

I haven't been able to find anyone on simple ASCII to check it out but I'm told that most conventional RTTY with 170 Hz filter-separation would most likely do a good job of copying a 200 Hz-shift signal. (Note that their rcvr only needs to be tuned slightly differently to accommodate the different tone-set.

Probably "RIT" feature would be used to reconcile any Xmt/rcv discrepancy.) Actually, probably a very large number of RTTY people have versatile enough equipment that DOES HAVE the capability of communicating on 110 baud ASCII...it just seems that most of them have been bound by convention. If you persist long enough calling CQ you will probably find someone curious enough to finally figure out your mode and switch over to make a QSO. (the later equipment does this for them automatically). I did this recently with some other 110-baud ASCII and finally did have someone get on the same mode and we had an excellent QSO.
(Perhaps if this new group develops, they could call their CQ's in a very deliberate "quirky rythmn" so that they could be easily identified.)

Incidentally, using our conventional 2.1 Khz SSB voice filters (No optional filters switched in), we can get absolutely perfect copy here in the midwest from W1AW when the band conditions are very good....both 40M & 20M.
(we get them on USB instead of the conventional LSB....presumeably because our mark-tone is the higher frequency (not the ham convention). Of course we could simply reverse our Rcv switch. W1AW sends plain ASCII at 110-baud, 170 Hz shift.
However if you have additional bandpass features, your transceiver can can enhance performance under more adverse conditions. My band-pass-tuning on the ICOM-751 becomes an excellent 800 Hz bandpass filter on either side-band. Also my optional 500 Hz CW filter is excellent.

As posted in QST Magazine, W1AW sends teleprinter bulletins 3 or 4 times a day using ASCII and 110 baud, but they are very short spans (perhaps 10 min).

Other brands of low-cost modems abound, no doubt, but you would have to figure out any changes required. I have in the past done a similar modification to some "Total Communication" package modems similar to this one but I will not prolong this posting any further.

73, W9RWZ

--

UUCP: {att,iuvax,uunet}!uiucuxc!uicsl!gene
Internet, BITNET: gene@uicsl.csl.uiuc.edu

From 9189458023853583273
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d887df514c4705af,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-12-02 19:42:12 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Transceivers
Message-ID: <656.2758ED1F@w8grt.fidonet.org>
Date: 2 Dec 90 15:48:07 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 19
Posted: Sun Dec 2 16:48:07 1990

> From: muto@nttcoin.ntt.jp (Yutaka Muto)
> Date: 1 Dec 90 03:02:12 GMT
> Organization: NTT Communications and Information Processing Laboratories
> Message-ID: <4132@nttcoin.ntt.jp>
> Newsgroups: rec.radio.shortwave
>
> But be careful, in Canada, I think it is against law to posess
> transmitter
> without licence. Refer to your local DOC office for more information.
> Followings are what they say in Canadian regulations.

Yet another example (the first being the amateur licensing structure) of how
we in the U. S. could benefit from following the Canadian practices.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 4922978337481274854
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7d57824b7b57188f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-02 19:42:15 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Closed circuit for Dave KB2EAR
Message-ID: <657.2758ED25@w8grt.fidonet.org>
Date: 2 Dec 90 15:55:20 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 24
Posted: Sun Dec 2 16:55:20 1990

> From: flash@lopez.UUCP (Gary Bourgois)
> Date: 1 Dec 90 06:23:00 GMT
> Organization: Great White North/UPlink - Marquette, Michigan
> Message-ID: <1990Dec1.062300.3708@lopez.UUCP>
> Newsgroups: rec.radio.shortwave

>
>
> Dave...
>
> All mail to you bounces... Host Unknown. Sorry. Received your msg re
> RNI. For info on fido <-> usenet suggest you check comp.mail.somesuch

I am having the same problem with him (on the same subject, BTW). It's that rinky dink ampr.org. Even addressing via the exact bangpath a message came in on won't work. They've got themselves a real alligator there.

The sad part is I have the exact answer to the question he's asking and can't get it to him.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -2035895349258162179
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,47e403463a975f0d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-02 21:47:28 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcmgw!woof
From: woof@hpfcmgw.HP.COM (Steve Wolf)
Newsgroups: rec.ham-radio
Subject: Info wanted on TH-27A
Message-ID: <1690055@hpfcmgw.HP.COM>
Date: 3 Dec 90 05:47:28 GMT
Organization: HP Fort Collins, CO
Lines: 26
Posted: Mon Dec 3 06:47:28 1990

I'm a pilot, in the Civil Air Patrol, and studying for the Novice and Technician class amateur licenses (to get me into 2m FM). I've been looking at the Kenwood TH-27A, because it receives aviation AM in addition to its 2m capabilities. I have a few questions you all may be able to answer:

* Compare and contrast its feature set, reliability, warranty, and user interface with the IC-2SAT, which I'm also considering. For example, the Kenwood has a separate AM circuit block, but the ICOM relies on its FM circuitry to decode the AM -- is this Good or Bad?

* Should I buy a different antenna for it? If so, which one?

* Who's currently offering this for the lowest price? HRO in Denver has it for $359.95, but allegedly matches anybody else's price.

* Has anybody figured out any mods on this radio (how I can enable it to

  xmit on CAP frequencies all by myself, can I connect it into an
  aircraft intercom, etc.)? I'm calling Kenwood this week to see if I
  can purchase a service manual -- will that include mods?

Email would be great, and I'll summarize.
--
Steve Wolf
Hewlett-Packard   UUCP: {ihnp4|hplabs}!hpfcla!woof
Fort Collins, CO   ARPA: woof@hpfcsdw.fc.hp.com

From -4326766856782950753
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-02 22:18:27 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Internet-Packet Reply (LONG!)
Summary: Historical reason for third party restrictions
Message-ID: <1644@ke4zv.UUCP>
Date: 2 Dec 90 23:42:00 GMT
References: <644.2756EB68@w8grt.fidonet.org>
<1990Dec2.000353.26923@bellcore.bellcore.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 50
Posted: Mon Dec 3 00:42:00 1990

In article <1990Dec2.000353.26923@bellcore.bellcore.com> karn@envy.bellcore.com
(Phil R. Karn) writes:
>In article <644.2756EB68@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim
Grubs) writes:
>> > The FCC's major concern is not that someone might say a naughty word
>> > on the air. They are concerned that unscrupulous people might use
>> > amateur frequencies for business or criminal purposes without there
>> > being any means of detecting and tracking them.
>>
>>I'll take that seriously after they get rid of the non-ham taxicabs,
>>truckers, boaters, and balloonists...
>
>Yeah, I tend to agree. I suppose they are just as concerned about
>detecting and tracking the potential criminal use of the telephone.
>Face it, for almost any real application (criminal or legal) the phone
>(conventional or cellular) is a heckuva lot more practical than
>amateur radio will ever be.
>
>I still wonder if the third-party rules aren't really intended to
>ensure the continuing uselessness of amateur radio to society at large,
>all the better to cause it to die more quickly so its frequencies can
>be given to other services.
>

>I'm not saying that amateur radio should go commercial. Its prime
>functions of volunteer communications and technical development should
>remain unchanged. But strict rules based on the premise that even the
>isolated semi-business use of amateur radio is so horrible that each
>and every non-amateur message has to be manually censored before it
>can enter amateur frequencies have destroyed most of the opportunities for
>synergistic cooperation between amateur and non-amateur networks. And
>that's a shame.
>
>Phil

As I understand it, the third party restrictions were put in at the insistence of foreign Post and Telegraph administrations. Communications is a government monopoly in many countries and they were afraid of competition cutting into their revenues. Many refused to support amateur radio at all unless the anticompetitive restrictions were included. The time has long past when amateur radio could make a significant impact on commercial telephone traffic, but we continue to be saddled with historical artifacts in our regulations. Write 100 times, I won't mention Morse. :-) Except for their obligation to uphold international agreements, the FCC couldn't care less about third party traffic. With the growing demand for VHF/UHF/SHF spectrum, and with the declining interest in HF by commercial interests, expect amateur radio to go the way of CB. Amateur radio may wind up relegated to the worthless "skip" bands and roundly ignored. This may make the DXers and pseudo-broadcasters happy, but experimenters will become nearly extinct. Pity we don't have the numbers to be a political force in the decisions that will shape our future.

Gary KE4ZV

From -327417106771553829
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3542c3e828abe00b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10a148,3542c3e828abe00b,start
X-Google-Attributes: gid10a148,public
X-Google-Thread: f5cc0,3542c3e828abe00b,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-12-03 00:36:02 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!lavaca.uh.edu!menudo.uh.edu!nuchat!buster!lescsse!gamorris
From: gamorris@lescsse.uucp (Gary A. Morris)
Newsgroups: rec.ham-radio,sci.space.shuttle,sci.space
Subject: Keplerian Elements for STS-35
Message-ID: <1990Dec2.222806.1902@lescsse.uucp>
Date: 2 Dec 90 22:28:06 GMT
Organization: Lockheed Engineering and Sciences
Lines: 28
Xref: gmdzi rec.ham-radio:17357 sci.space.shuttle:5152 sci.space:17916
Posted: Sun Dec 2 23:28:06 1990

Here are the Keplerian elements for STS-35. These were generated from

a state vector taken after several orbits.
--GaryM

Keplerian Element Set

```
STS-35
1 00035U          90336.79098368  .00031000  00000-0  22174-3 0   128
2 00035  28.4663   1.3798 0008796 274.8693 151.1556 15.72186065    90

Satellite: STS-35
Epoch time:      90336.79098368
Element set:     JSC-012
Inclination:       28.4663 deg          Space Shuttle Flight STS-35
RA of node:         1.3798 deg              Keplerian Elements
Eccentricity:     .0008796              from NASA Tracking Ephemeris
Arg of perigee:   274.8693 deg
Mean anomaly:     151.1556 deg
Mean motion:   15.72186065 rev/day                  W5RRR
Decay rate:       3.10E-04 rev/day^2      NASA Johnson Space Center
Epoch rev:               9
```

```
--
Gary Morris                     Internet: lobster!lescsse!gamorris@menudo.uh.edu
Lockheed (LESC), A22            UUCP:     lobster!lescsse!gamorris
Space Station Freedom           NASAmail: gmorris/jsc/nasa
Houston, Texas                  Internet: gmorris@nasamail.nasa.gov
```

From 3798446768471473899
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2a2517467ed45f47
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 01:02:34 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: prosigns for female ops
Message-ID: <661.27596595@w8grt.fidonet.org>
Date: 3 Dec 90 00:00:53 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 19
Posted: Mon Dec 3 01:00:53 1990

> From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
> Date: 2 Dec 90 13:25:53 GMT
> Organization: University of Texas Medical School at Houston
> Message-ID: <4391@lib.tmc.edu>
> Newsgroups: rec.ham-radio
>
> of hams. While I may not consider addressing JY1 as anything but "your
> highness" in a normal social context, when it's one ham to another,

```
 > Hussein
 > is appropriate...and, I understand, what he expects.

What is his nickname? I vaguely recall reading that he uses some ordinary
English nickname rather than Hussein.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org


From 4900623841905861816
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 01:03:42 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Internet-Packet Reply (LONG!)
Message-ID: <662.2759659C@w8grt.fidonet.org>
Date: 3 Dec 90 00:07:13 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 23
Posted: Mon Dec  3 01:07:13 1990


 > From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
 > Date: 1 Dec 90 20:11:37 GMT
 > Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
 > Message-ID: <213.2758B364@rochgte.FIDONET.ORG>
 > Newsgroups: rec.radio.shortwave
 >
 >
 >  > From: jbloom@uhasun.hartford.edu (Jon Bloom)
 >  > Date: 26 Nov 90 18:41:51 GMT
 >  >
 >  > They expect a good-faith effort to follow the rules, not to
 >  > (mis)interpret
 >  > them to "allow" us to do whatever we damn please.
 >
 >       Then why are K1MAN et al still on the air?

Talk about swallowing a camel and straining at a gnat!!

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org


From -1766771422597661563
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 01:36:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!uunet!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Another look at Radar Detector Legality for Hams
Message-ID: <655.2758ED18@w8grt.fidonet.org>
Date: 2 Dec 90 15:39:23 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 39
Posted: Sun Dec 2 16:39:23 1990

> From: kaufman@Neon.Stanford.EDU (Marc T. Kaufman)
> Date: 1 Dec 90 07:35:34 GMT
> Organization: Computer Science Department, Stanford University
> Message-ID: <1990Dec1.073534.11978@Neon.Stanford.EDU>
> Newsgroups: rec.ham-radio
>
> In article <647@wells.UUCP> k3tx@wells.UUCP (Dave Heller) writes:
> >Such garbage. If radar helps keep the highways slower=safer, i'm all for
> >it. Make radar detectors illegal everywhere!
>
> Shall we parse the above statements?
>
> IF radar helps keep the highways slower / =safer, /[THEN] i'm all for
> it.
>
> Perfectly good statement, however there is the implied postulate (or
> Theorem yet to be proved) "slower=safer". In any event, I'm all for
> letting
> him be all for it.
>
> Make radar detectors illegal everywhere!
>
> Pray tell, how does this follow from the first proposition? There is
> (at least anecdotal) evidence that the use of radar detectors causes
> would-be
> speeders to be more conscious of their speed and (when the radar is
> near),
> actually slow down. This would appear to be a desirable effect. Yet,

Speaking as a retired police dispatcher, I can assure you that it is not uncommon for officers to "run radar" with the full knowledge and intent that tripping fuzzbusters will slow things down. Sometimes on holidays, this is the SOLE purpose.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -4769892152826462465
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0aaa3358b071a9a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 04:17:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpfcso!hpfcmdd!hpbbrd!hpbbn!hpcc05!hpcuhb!hpsqf!hpqmola!hpqmole!dstock
From: dstock@hpqmole.sqf.hp.com (David Stockton)
Newsgroups: rec.ham-radio
Subject: Re: Antenna Matching
Message-ID: <410014@hpqmole.sqf.hp.com>
Date: 3 Dec 90 12:17:58 GMT
References: <FAA5656555BF200363@uncg.bitnet>
Organization: HP,Queensferry Microwave UK
Lines: 27
Posted: Mon Dec 3 13:17:58 1990

Yes I was guilty of loose use of terms. With an antenna fed with a single type of feeder of low loss, the impedance seen at the feedpoint varies with feeder length but maintains a constant VSWR and return loss. On a Smith chare normalised for the feedline Z, the actual impedance moves around a circle centred on the centre of the chart. While changeing the length of your feeder vill not affect the value of your VSWR, it is a useful trick to allow you to avoid values of Z which may not be matchable with your specific ATU. ATU's cannot match all impedances at all frequencies and have zones where they are useless. Further, they have ranges of Z where their efficiency can be surprisingly low. Sometimes a change of feedline length can allow you to use your ATU more efficiently.

The original G5RV is a special case, The coax run was supposed to be of 75ohm cable, and the open feeder of 600ohm. By playing with the lengths of both parts of the feeder, the feed point VSWR can be affected. The reason is that we can move the endpoint inpedances around two circles; each on a differently normalised smith chart. However, this is very much a compromise trick used only in the original G5RV design. The commercially available antennas are similar, bur they tell you to use 50ohm coax.

If you can run the flat/open feeder into the shack and use a balanced ATU you'll find you can get away with murder :-)

Hope you're getting all the info you wanted :-)

73 GM4ZNX

From -8370432434190487069
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3dbff2a03b4f9d79,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 05:12:54 PST

Path: gmdzi!unido!mcsun!uunet!swlabs!jack
From: jack@swlabs.uucp (Jack Bonn)
Newsgroups: rec.ham-radio
Subject: Need AMT-1 help.
Message-ID: <1990Dec2.182524.6662@swlabs.uucp>
Date: 2 Dec 90 18:25:24 GMT
Reply-To: jack@swlabs.UUCP (Jack Bonn)
Organization: Software Labs, Ltd.
Lines: 34
Posted: Sun Dec 2 19:25:24 1990

I recently purchased an AEA AMT-1 interface. For those of you unfamiliar with this, it is a digital interface that does Amtor, RTTY, and sends CW. At least it claims to send CW.

Well, this brings me to my problem. The CW that it sends leaves nothing more than a character space between words. This makes reception of this abitofaproblem. :-)

I called AEA and they are less than interested in this situation since this is such an old product (not built after 1985). Of course I was willing to pay for an upgrade, if they had one, but they were not even certain that they had one. They said that the latest PROM should be marked "E1022". Mine is marked:

    AMT1 `82
    GPW ELEC
    V01

Now my question. Does anyone have a PROM for this old beast that works for sending CW? I have ordered a CW reception (daughter?) board from Burghardt, but they claim that this does not involve a firmware upgrade. Any clues? I can burn PROMs here if anyone has a PROM image that might be helpful.

[Since this was not engineered by AEA, I am opening this article up to world distribution (specifically the UK). The PC board lists a company "GPW ELECTRONICS, LTD" and the back of the case has an address of "I.C.S. ELECTRONICS, PO BOX 2 ARUNDEL, W. SUSSEX ENGLAND". Anyone know the genealogy of this product?]
--
Jack Bonn, KC1UH, <> Software Labs, Ltd, Box 451, Easton CT 06612
uunet!swlabs!jack (UUCP)
jack@kc1uh   (TCP/IP)
kc1uh@wb1cqo   (AX.25)

From -1695125664642725854
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc25c63d5fac82c5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-12-03 06:00:54 PST
Path: gmdzi!unido!mcsun!ukc!keele!nott-cs!warwick!esrlb

From: esrlb@warwick.ac.uk (Mr S Browne)
Newsgroups: rec.ham-radio
Subject: Re: Cyrillic (and other) morse code.
Message-ID: <1990Dec3.140054.1192@warwick.ac.uk>
Date: 3 Dec 90 14:00:54 GMT
References: <1990Dec1.093327.12316@lth.se>
Sender: news@warwick.ac.uk (Network news)
Organization: /usr/local/lib/news/organization
Lines: 35
Posted: Mon Dec 3 15:00:54 1990

In article <1990Dec1.093327.12316@lth.se> d89mb@efd.lth.se (Magnus Bodin) writes:
>Is there anywhere a file obtainable containing cyrillic morse code?
>I beleive the ARRL-book used to contain japanese and others but Russian?
>(Cyrillic).
>Will someone also explain what a "Oblast" is. Is it some zone-dividment in
>USSR? If so -- How many are they and how do you express them in CW?
>Any short-form (eg. OBL).

Certainly the ARRL-Handbook does contain the Cyrillic cw.It is surprising
just how easy it is to pick-up the cyrillic code,and certainly can give
the op at the other end a pleasant surprise too!It is interesting to note
that Soviets actually use the standard abbreviated English for many of the
shorter contacts with each other, I was once amused to hear a UA3 sending
'cheerio' to a UA9! Another surprise I had was when in the radio op's seats.
in an Aeroflot transport plane earlier this year(as a guest) I heard the
op when requesting the weather at tthe destination send 'pse wx' (yes , cw is
still used on Aeroflot transport flights in the Arctic as the major mode
of communication), and he couldn't speak a word of English.

Regarding 'oblasts',they are basically administritive regions in the USSR,
and there are something in the region of 180 of them, although they do
appear to keep changing which makes it a little difficult to keep track!
There is a full list of the oblasts in the ARRL Operating Manual, and it is
generally easy to tell in which oblast a station is by his call(number and
first letter of suffix).The abbreviated form oft he word commonly used is
OBL.,and in cw OBL is the same in both English and Cyrillic.The full word ,
oblast , would be sent as 'oblastx'.

Hope that's of use........

73s es gl,

Simon Browne , G0GWA.

Telecomms. Lab. , Engineering Dept. , Warwick Univ., UK.

From -8854603180230879926
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0aaa3358b071a9a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 11:35:00 PST

Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!UNCG.BITNET!MOSIER
From: MOSIER@UNCG.BITNET (Steve Mosier)
Newsgroups: rec.ham-radio
Subject: Re: Antenna Matching
Message-ID: <F9B9446D6BFF200721@uncg.bitnet>
Date: 28 Nov 90 19:35:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 189
Posted: Wed Nov 28 20:35:00 1990

I appreciate the responses I received on my Zepp antenna questions. For the rest of the readers, here they are.

-steve/W3GRG

=======================

From: techpubs@PRC.Unisys.COM
Subject: RE: Antenna Matching

I have a friend who ran a setup very similar to what you describe for years. Brought the twin lead down the side of the house to the second floor (well under a 1/4 wave, probably under an 1/8 wave also in twin lead length), fed the twin lead in through two holes cut in the wood window footing through two porcelan feed throughs, and right to his transmatch (which probably had a built in balun). Always worked ok and never had any problems. I would avoid going to the ground and then runing up just to get a 1/4 wave feed length. Also, I think it probably advisable to keep the balun right at the transmitter location in this case. You should watch for high RF levels in the shack (eg, mike burn, rf feedback, etc), and avoid sharp bends with the twin lead.

Joseph M. Fedock   N3IE
Unisys/DS/EISG/VFL
Paoli, PA 19301
(215) 648-2495
techpubs@PRC.Unisys.COM

=======================

From: halbert@crl.dec.com
Subject: RE: Antenna Matching

Here's some advice, for what it's worth.

The "drop perpendicularly away from the antenna for at least a quarter wavelength" is not so critical. The main point is that the feedline may couple to the antenna if it ends up parallel or approximately so to the antenna. This may or may not produce RF in the shack. It may just distort the antenna pattern, and you probably wouldn't notice that anyway. The feedline length will also have some effect on how easily the antenna tunes up, but that's not predictable.

At first, just try enough feedline to get to your tuner. If things seem hot with RF in the shack, splice in some more. As a last resort you could try sticking the extra length out the window in the "big drip loop" configuration you described.

Supposedly you shouldn't turn really sharp corners with open-wire. Don't pile it up on itself, of course. Also, you supposedly shouldn't run it near metal, but I've run it near (insulated by some plexiglass) metal window frames with 100W, and not had any problem. Currently I run 300 ohm from my shack into the attic, through a plastic Radio Shack thru-the-wall antenna coupler, through my aluminum siding (!), where it connects to 450 ohm line outside, and haven't had any trouble. I use ladder line outside instead of just 300 ohm twinlead, because twinlead is supposedly affected a lot by rain, snow, etc.

A balun isn't really necessary, and won't actually work very well if it's looking into some messy or high impedance. I have a horizontal full-wave 40m loop, and use a balun just after the tuner so it will tune up more easily, but a loop doesn't have such wild impedance swings on different frequencies as a dipole.

Basically, just try something; it's not critical.

Regards,
--Dan, KB1RT

From: sawyer@TWG.COM

Re your plan to put up a double Zepp...I would be interested in what kinds of feedback you receive to your posting. I have a double Zepp I put up for 160 and up which is 253 feet long and roughly 150 feet up at the feedpoint. It uses exactly the same feedline you are going to use. This thing runs from my tribander mast over a valley to a tree on the next ridge line. I just draped the feedline from the feedpoint through a catenary back to my shack, which is about 50 feet from the mast. Thus the feedline doesn't leave the Zepp at right angles at all--it's more like 60 degrees or so. I was careful to let the feedline have no sharp bends, and it goes straight to the transmatch when it comes into the house. I was also careful to keep it 6" away from any metal--like the gutters and the door frame. It works great on all bands. There are times it even beats my tribander on 20/15/10 (a HyGain Explorer 14). However, if you pick up something via the net that would show me how to improve it even more, I'd sure be interested. Thanks in advance.

Bruce Sawyer
sawyer@TWG.COM   a.k.a. AA6KX

From: DERRY@ROSEVC.Rose-Hulman.Edu
Subject: Zepp (pedeedoodah)

Steve, You are describing MY antenna. It's 35 feet in the air and is 131 feet long. I use it on all bands from 160 (fed as a Marconi antenna) up to 6 meters.

Don't get too uptight about all the restraints. My feedline (it's 300 Ohm foam TV twinlead) angles from the center of the Zepp over to my house wall where I have a nail and some nylon cord. Then it runs along the wall for a few feet then in through the 2 x 6 to a crawlspace. Its then runs through the crawl space through another 2 x 6 into my basement, where the shack is.

You're on the second floor. So just run the feedline as directly as possible to your shack. Don't make bends so short it will kink it. It's ok for it to run near metallic objects but don't let it lay to close to any such object for any significant distance.

My advice is run the feedline like it was coax to the transmatch. Then using plastic tape, string and thumbtacks, kind of dress it away from any long runs near metal stuff. Near means 4 or 5 inches for the type of transmission line you are using.

I once had all the questions you have running through my head, then I worked a guy on 40 m using "our" antenna. I raised the same questions as you have in your query. He said, "Don't worry about it."

There is nothing important about having 1/4 wavelength of line. Shorter is better. You may find some bands where your tuner is kind of hinky. But eventually you'll find the right settings for each band. I use a MFJ-941.

Incidentally, if it's resonant on 7.1 MHz, then its other resonant frequencies are: 14.2, 21.3, and 28.4 MHz.

I made mine 131.8 feet long. It's resonant at: 3.55, 7.1, 10.65, 14.2, 17.75, 21.3, 24.85, and 28.4 MHz. In or very near all the hf bands. But 132 feet is a bunch.

The G5RV is an antenna for folks who don't really believe in the center fed Zepp. I don't think you need it. Read about it in the ARRL ant-compendium. It requires 30 feet of parallel wire line then 68 feet of coax. I can't figure out why the 68 feet, not has anyone been able to explain it to me.

If you're really in a bind about running the twin lead through walls etc, ARRL Antenna Book suggests TWO pieces of coax from the Transmatch to the point where the twin lead is in the clear. At the Transmatch use each center conductor as parallel line and ground both shields. But where you connect the twin lead to the coax, DO NOT GROUND THE SHIELDS.

This is a neat trick, but in my setup I've never had to use it.

Let me know how this works out. I'll listen for you on 40 m. I'm on quite a lot.

73 de K9CUN, Jack Derry, 810 S 34th Street, Terre Haute, IN, 47803

email address   derry@rosevc.rose-hulman.edu

        ========================

-=END OF FORWARDED MAIL=-

```
                  /~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~\
               /               * Stephen R. Mosier \
           /            Office of Research Services \
       /  University of North Carolina at Greensboro |
     |______ -----------                            /
                         \______                /
      VOICE: 919-334-5878         \          /
        PICTURES: 919-334-5926       \     /
          E-MAIL: mosier@uncg.bitnet    ---
            TWO METERS: W3GRG monitors 146.76
              INTERNET: mosier@steffi.acc.uncg.edu
                SNAIL-MAIL: Greensboro, NC  27412-5001
                  NUCLEAR MISSLE: 79 48 26 W / 36 03 55 N
                    TELEPATHY: however you can make it work


  -=All of my opinions are plagiarized.  But all factual data is original.=-
 ____________________________________     ____________________________________
|                                    |   |                                    |
| CLAIMER:   I speak for my employer.|   | DISCLAIMER:  Your mileage may vary.|
|            I'll even speak for you.|   |              You may have rights   |
|____________________________________|   |                     in some states.|
                                         |       Reading this message aloud   |
                                         |              may cause gum disease.|
                                         |  Thinking about its implications   |
                                         |             may cause brain damage.|
                                         |   Worrying about either may lead   |
                                         |          to cardiovascular disease.|
                                         |                                 TS.|
                                         |____________________________________|


                      And now let us tune our instruments.
```

From -5187681518028801314
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a83c2e04d2ac1969,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 12:06:47 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!bionet!
hayes.ims.alaska.edu!acad2.anc.alaska.edu!atjmw
From: atjmw@acad2.anc.alaska.edu
Newsgroups: rec.ham-radio

```
Subject: T2DF
Message-ID: <1990Nov28.160647.1@acad2.anc.alaska.edu>
Date: 28 Nov 90 20:06:47 GMT
Sender: usenet@hayes.ims.alaska.edu (J Random USENET)
Organization: University of Alaska
Lines: 1
Posted: Wed Nov 28 21:06:47 1990
Nntp-Posting-Host: acad2.anc.alaska.edu
```

Could someone please list the dimensions of the T2DF antenna. Thanks.

```
From -7884553049679682039
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96244e537f59bc27
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 12:48:22 PST
Path: gmdzi!unido!mcsun!uunet!unsvax!jimi!tahoe!apple!xanadu!jeff
From: jeff@xanadu.com (Jeff Crilly N6ZFX)
Newsgroups: rec.ham-radio
Subject: Re: Radar detectors in Virginia
Message-ID: <1990Nov28.204822.2499@xanadu.com>
Date: 28 Nov 90 20:48:22 GMT
References: <9011261335.AA21581@ucsd.edu>
Organization: /etc/organization
Lines: 19
Posted: Wed Nov 28 21:48:22 1990
```

In article <9011261335.AA21581@ucsd.edu> KENDALLG@VTVM1.CC.VT.EDU (Gary Kendall) writes:

```
>I can't say about Maryland, but in Virginia it is *ILLEGAL* to operate a
>radar detector in your vehicle.  If you're stopped by an officer/trooper/deputy
>and you have one hooked up *OR* if the unit is accessible to the driver from
>inside the vehicle (like laying on your seat, even if it's disconnected) then
>you're fair game for a ticket.  If it's locked up in your trunk where you can't
>get at it while driving then you're safe.
>
>Years ago they would actually confiscate the device; I don't think that's done
>now.
```

I heard you had a choice: put it under the front wheel of your car and drive away without a ticket; or get a ticket and have the detector confiscated.

```
>
>'73...
>Gary  KB4GCF  /  KENDALLG@vtvm1.cc.vt.edu
```

Jeff

```
From -3559904845170881173
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e9a435b69e58a4e3,start
```

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 14:08:14 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!hplabs!hpl-opus!hpspdra!paulz
From: paulz@hpspdra.HP.COM (Paul Zander)
Newsgroups: rec.ham-radio
Subject: Re: When does the Foothill Flea Market start up again?
Message-ID: <12280028@hpspdra.HP.COM>
Date: 28 Nov 90 22:08:14 GMT
References: <1990Nov28.012831.13786@portia.Stanford.EDU>
Organization: HP Stanford Park - Palo Alto, CA
Lines: 11
Posted: Wed Nov 28 23:08:14 1990

Traditionally, the first Electronics Flea Market of the year is in March. Being an outdoor event, the partipants take their chances on the weather.

For the benefit of those who may not be familiar with this event, a group of Amateur Radio Clubs in the region south of San Francisco conduct a flea market in the parking lot of Foothill Jr. College in Los Altos Hills the second Saturday of each month during the spring and summer. Admission is free buyers. Sellers pay something like $10. Of course, if you find a "bargain", you might spend more! Come early! Most of the sellers are packed up by noon.

From 5124372958426044572
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea9c3d708f2dbd8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 14:25:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9011272347.AA10014@tilde>
Date: 27 Nov 90 23:47:37 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 36
Posted: Wed Nov 28 00:47:37 1990

In <From: MOSIER@UNCG.BITNET (Steve Mosier)> Steve says (some deleted):

Re: Antenna Matching

>   There is a well-advertised commercial antenna (is
>it a G5RB dipole or something like that?) that drops balanced line for quite a
>way into a "black box" with coax out. What sort of a balun is that? Never
>having used balanced line before, I'm a little uncertain of what I can do with
>it, namely where I can run it, what kind of corners I can turn, etc. (As a

>starter, I'm using that real wide stuff that looks like TV twin lead with
>alternating patches of the center plastic cut out. After I learn to handle
>that, I though I would look for some of the open wire with discrete spacers.)
>Having only used coax feed for 33 years, I thought it was time to learn
>balanced line.
>

It is a G5RV. I'm using one of them, and I'm extremely happy with it. It is about 12 feet off the ground (barely clears the ridge of my roof), and the down-feed goes down about 2 feet, then follows the roof contour until it drops over the edge. Then it runs horizontal for about 4 feet before it goes into the "black box". My co-ax runs about 10 feet from there to my rig.

There is a dog-leg of about 15 degrees at the center insulator because I anchor it at the chimney while the ends run to two trees. I always get good reports using this set-up, and some think I'm kidding when I tell them about it. Don't ask me how it works as well as it does. It seems to defy every antenna theory.

I have a tuner, but rarely use it. It works just as well without it. Of course, I'm running a tough old Heathkit SB-102; I might be more particular if my rig was one of the "modern" ones that need a low SWR.

Anyway, that's for what its worth.

73,
Dube   N5PDK

"Why waste time learning, when ignorance is instantaneous" -Hobbes

---

From -7824879143064641057
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c5c66d6242bf7baa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 14:35:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!unb.ca!LANG
From: LANG@unb.ca
Newsgroups: rec.ham-radio
Subject: DOVE Update
Message-ID: <ID9926.D901127.T232604.LANG@unb.ca>
Date: 28 Nov 90 03:26:01 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Wed Nov 28 04:26:01 1990

From the DOVE Microsat telemetry received on a pass this evening:

DOVE-1>BRAMST [28-11-90 02:19:34]:
GNO4AWWA4ONG
New BBS is loaded into PACSAT. After tests, we will load to DOVE and
begin working on New loader for DOVE. Hope to restart and do voice by
mid Dec. 73 BM.

```
================================================================================
 Richard B. Langley                            BITnet: LANG@UNB.CA or SE@UNB.CA
 Geodetic Research Laboratory                  Phone:  (506) 453-5142
 Dept. of Surveying Engineering                Telex:  014-46202
 University of New Brunswick                   FAX:    (506) 453-4943
 Fredericton, N.B., Canada  E3B 5A3
================================================================================
```

From -2078736443172543176
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f49b762c5e3b5eb9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 14:37:14 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!twg.com!
sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: Update on Phased Vertical Arrays (long)
Message-ID: <8380@gollum.twg.com>
Date: 28 Nov 90 03:18:17 GMT
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 61
Posted: Wed Nov 28 04:18:17 1990

In response to the request for help in explaining some problems I was having in building a phased vertical array for 40 meters, I have received quite a large number of responses. It's amazing to me how many talented and knowledgable there are who obviously follow this group and will respond via email but have the good sense to stay out of some of the unresolvable debates. At any rate, the response I got was so great that I can see there's widespread interest in this topic. Hence this note is offered as something of an update on the topic and a consolidation of some of the suggestions I received.

First of all, I followed some of the initial advice I received and went back and retuned each of the two verticals to be resonant at the design frequency. Each was tuned in isolation of the other on a single 50 ohm cable. Next, I built a new phasing harness consisting of one 0.25 wavelength section and one 0.5 wavelength section of RG/11: 75 ohm stuff. I know that using multiple quarter-wave sections of 75 ohm cable will transform a 50 ohm load to a 100 ohm load. The two 100 ohm loads in parallel at the "T" connector then present 50 ohms to the feedline back to the transmitter. Without a good antenna noise bridge I'll never know for sure, but at least this brought the SWR down to around 1.25. Furthermore, it dipped in the vicinity of my design frequency (7025), so I treated this as absolutely good enough.

During actual use, it did show considerable gain in the general direction I wanted, but with some new anomalies. I have a second antenna I can use on 40 (a double Zepp cut for 160 and up) that provided a good reference point, since the broad side of the Zepp is in the target direction of the phased vertical array. The thing was absolute dynamite in the target direction--at least a full S unit, maybe more. What was curious was that the maximum gain seemed to be off counterclockwise (looking down) from the axis along the two verticals. It turned out to be a rotten idea for a contest: it put out a great signal to Japan (304 degrees from here), but was really poor toward Europe(at 25 degrees). Never again will I try to use a directional antenna I can't turn in a worldwide contest.

In the comments I received back, opinion seemed evenly divided between people (who seemed to me to be knowledgable sources) about whether the harness should be built from 50 ohm or 75 ohm cable. I used 75 and it worked, but there sure were a lot of people who said to use 50. (I once built a 2 meter array using 50 ohm cable, and it did fine.) Next, the point was made to me repeatedly about the effects of the mutual impedences of the two verticals. Common opinion was that the system needs to be tuned with an RF ammeter at the base of each to insure that each gets an equal current flow when connected in the phased array. Also suggested was using an antenna noise bridge at the base of each to get the feedpoint impedences the same when connected in the array. Tuning is accomplished by adjusting the lengths of the delay lines (notice how easy it is to say that, as opposed to actually doing it?) Several people made the point that simply cutting the delay lines to the theoretical lengths will not result in a 90 degree phase shift. DL6RAI wrote to say that he had actually measured it at 70 degrees in one he had built this way. That computes with my experience of having the direction of maximum gain offset from what I expected. However, I'm at a loss to explain how you (a) tune the lengths to get equal impedances (or current flows); and (b) get a real 90 degree phase shift.

In summary, what came through is that the popular literature does a real disservice to this topic by oversimplifying it. It is, I'm sure, well understood in the broadcast industry. But too much has been deleted in translating this into the popular ham literature. For reference, I have been directed to Terman's "Radio Engineer's Handbook" and a 6 part series in Ham Radio Magazine circa 1983.

Hope this helps those interested in the topic. And many thanks to all who sent their suggestions.

AA6KX

From -6484487852447110713
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f086f72a7893c534,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 14:56:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!elroy.jpl.nasa.gov!lll-winken!unixhub!shelby!agate!linus!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: transvert a CB radio to 6M am subband?
Keywords: make sense?
Message-ID: <113663@philabs.Philips.Com>
Date: 28 Nov 90 02:15:44 GMT

Sender: news@philabs.Philips.Com
Lines: 16
Posted: Wed Nov 28 03:15:44 1990

Anyone ever transvert a CB radio to operate in the AM portion of the 6M band? Easy/hard to do? worth the effort? BTW, how does one do such a thing? Is a transverter more than essentially a heterodyne stage that operates at high power?

Of course, you'd need to filter out the 27Mhz from the CB, and the 24?Mhz local osc from getting out on the air. That shouldn't be too hard.

BTW, does anyone know how to make the rn program stop asking me if I want to add new newsgroups? About once a week, the program makes me say "no" to something like a hundred groups. one at a time. *VERY ANNOYING!!!*
I consider this an annoying bug in this program. Or if it insists asking me, at least give me a menu to pick from, or say one "NO" to them all. NOT lots of NOs!

73 de WA2ISE

From -2541831378786309950
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10890c03d008d0ba
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 15:20:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Cheap Loop Antenna for HF
Message-ID: <7880374@hpfcdc.HP.COM>
Date: 28 Nov 90 23:20:19 GMT
References: <7880371@hpfcdc.HP.COM>
Organization: HP Fort Collins, Co.
Lines: 15
Posted: Thu Nov 29 00:20:19 1990

After using the Loop some more, it appears to be an outstanding low-band antenna, compared to my HF6VX on the ground. The Loop seems to get 1 or 2 more S-units, and the audio is perceptably louder (the "audio test" is the proof of any antenna :).

This might be due to my not having an adequate groundplane for the lower bands - 32 radials ranging from 15-30' each, all property-limited. The groundplane is near perfect for 10/15/20. The HF6VX is a 1/2-wave on 20, 1/4-wave(?) on 15, Awfully Darn Long on 10, so it has gain over a simple 1/4 wave trap vertical.

Compared to the work of laying all those radials, the Loop Skywire is several orders of magnitude easier to install.

```
Perry / KF0CA


From 3017442786030172422
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c6dc677f448b66d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 15:26:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!bcm!
lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: VLF Aircraft Radio Beacons
Keywords: VLF Beacons
Message-ID: <4378@lib.tmc.edu>
Date: 28 Nov 90 12:31:18 GMT
References: <4251@radio.oakhill.UUCP> <4377@lib.tmc.edu>
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 14
Posted: Wed Nov 28 13:31:18 1990
Nntp-Posting-Host: thesis1.hsch.utexas.edu

Yes, I know I'm following up to myself...

In article <4377@lib.tmc.edu> jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
writes:
>Unfortunately, the only way to find out what class a given NDB is in is to
>figure out where it is, and then look it up in the Airport/Facility Directory
>for your area[...]

I forgot to mention one thing: LOMs and LMMs have a 2-character ID, while the
others have a 3-character ID. Also, MHW-class beacons seem to be the most
common in a quick glance through my South Central A/FD.
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu  | adequately be explained by stupidity.
         "With design like this, who needs bugs?" - Boyd Roberts


From -7864246061353603878
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0aaa3358b071a9a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 15:29:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpl-opus!hpspdra!paulz
From: paulz@hpspdra.HP.COM (Paul Zander)
Newsgroups: rec.ham-radio
Subject: Re: Antenna Matching
Message-ID: <12280029@hpspdra.HP.COM>
Date: 28 Nov 90 23:29:57 GMT
References: <FAA5656555BF200363@uncg.bitnet>
```

Organization: HP Stanford Park - Palo Alto, CA
Lines: 13
Posted: Thu Nov 29 00:29:57 1990

> The book says the wire should "drop" at least a quarter wavelength ...

The situation the book writers had in mind was an antenna high in the air. I would think it best to bring the feed wire at right angles to the antenna, but at an angle to the height of the radio room. It would be very convenient, if "right angles" happened to line up with the window!

The question was also raised about metal objects near the feedline. Old rules of thumb suggest maintaining a spacing several times the distance between the wires. Crossing a metal window frame at right angles is not as much a problem as running parallel to a metal object.

73 Paul AA6PZ

From -6964924875377966285
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f69586a88e6502e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 15:30:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: In Defense Of CB
Message-ID: <7880376@hpfcdc.HP.COM>
Date: 28 Nov 90 23:30:53 GMT
References: <1990Nov27.001114.3755@smcnet.smc.edu>
Organization: HP Fort Collins, Co.
Lines: 13
Posted: Thu Nov 29 00:30:53 1990

Caravaning is one of the best applications for 2-way communication. The biggest advantage of CB is that everyone can use it. The biggest disadvantage is that everyone can use it, like the multi-kilowatters near the Gulf of Mexico. Hello, Skipland, as it were.

Three other hams and I drove three separate vehicles to Lake Powell, some 12 hours from here. I had never been there before. In spite of leaving at different times, we all arrived at the appointed time and general vicinity, and were able to use 2m to coordinate finding each other and loading the week's provisions. It worked so well, Murphy never had a chance.

Perry / KF0CA

From -5509985975845316295
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,c0aaa3358b071a9a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 15:48:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Antenna Matching
Message-ID: <7880377@hpfcdc.HP.COM>
Date: 28 Nov 90 23:48:19 GMT
References: <FAA5656555BF200363@uncg.bitnet>
Organization: HP Fort Collins, Co.
Lines: 31
Posted: Thu Nov 29 00:48:19 1990

>It also says that the feed line should drop
>perpendicularly away from the antenna for at least a quarter wavelength. My
>question is what to do with it after that.

The intent here is to keep common-mode RF off the feedline. Since your transmitter is going to be in the antenna's field in a major way, I don't think you can avoid it. It might be better from a safety standpoint to move the shack down to the first floor.

>There is a well-advertised commercial antenna (is
>it a G5RB dipole or something like that?) that drops balanced line for quite a
>way into a "black box" with coax out. What sort of a balun is that?

I think it just connects the line to the coax. The G5RV has some interesting matching problems, since some of the harmonics are end-fed half-waves out of phase, which have K-ohm impedances. All the G5RV designs I've seen don't use baluns.

>Never
>having used balanced line before, I'm a little uncertain of what I can do with
>it, namely where I can run it, what kind of corners I can turn, etc. (As a
>starter, I'm using that real wide stuff that looks like TV twin lead with
>alternating patches of the center plastic cut out. After I learn to handle
>that, I though I would look for some of the open wire with discrete spacers.)

I've used this stuff, and the rule appears to be "Keep it away from long runs of metal parallel to the line."

>Steve - W3GRG

Perry / KF0CA

From 4143690303746477430
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b050578dbe307f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 16:13:29 PST

Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!sdd.hp.com!
hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Volunteer exam fees (was Re: Novice License for $150 ??)
Message-ID: <1250280@hpnmdla.HP.COM>
Date: 28 Nov 90 01:47:48 GMT
References: <4357@lib.tmc.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 21
Posted: Wed Nov 28 02:47:48 1990

In rec.ham-radio, jkaidor@synoptics.COM (Jerome Kaidor) writes:

>   I just wonder who these "volunteer" examiners are, and if they get
>a cut of the course fee. If they do get a cut, are their expenses
>properly cost-accounted to justify the payment as per FCC regulations?

>   - Jerry Kaidor, KF6VB

The volunteer examiners don't get a nickel. At least at sessions I have
attended, every penny of the $4.75 (or whatever it's up to now) goes
to the Volunteer Exam Coordinator (in our case, ARRL-VEC). We never even
get our hands on the money, since the check is made out to the VEC.
In fact, we have to cover our own miscellaneous expenses, for which we
are reimbursed by our local ham club.

Examinees are getting a very good deal, both financially and from the
standpoint of availability of test sessions, compared to the "bad old
days" when the job was done by the FCC.

AL N1AL

From 2118878936566902877
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3028d2407e761463,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 16:13:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!sdd.hp.com!
hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: antennas
Message-ID: <1250281@hpnmdla.HP.COM>
Date: 28 Nov 90 01:51:03 GMT
References: <1990Nov27.191639.1938@rodan.acs.syr.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 16
Posted: Wed Nov 28 02:51:03 1990

In rec.ham-radio, dmittler@rodan.acs.syr.edu (Danwrites:

>I would appreciate any comments from users
>of the following two antennas from Advanced Electronics
>Applications Inc.

>1) Isoloop 14 to 30 MHz HF Antenna
>2) Isopole 144Mhz

>Thanks. Dan KA2FLW.

I have used a 144 MHz Isopole successfully. I "believe in it" much more than ground plane-less antennas such as the Ringo Ranger, but have no experimental data to back this up.

AL N1AL

From -8309264886903505799
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28c3893db0083e24
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 16:16:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!hpdmd48!ritchie
From: ritchie@hpdmd48.boi.hp.com (David Ritchie)
Newsgroups: rec.ham-radio
Subject: Re: super repeaters
Message-ID: <530031@hpdmd48.boi.hp.com>
Date: 28 Nov 90 01:12:43 GMT
References: <1219@west.West.Sun.COM>
Organization: Hewlett Packard - Boise, ID
Lines: 6
Posted: Wed Nov 28 02:12:43 1990

If you are referring to 2m repeaters, the 146.97 machine in Colorado Springs is at 14,110 - Pikes Peak. I think that there is a machine (6.94) on Mt. Evans near Denver, also. (approximately 8-9K feet above nearby cities).

-- Dave Ritchie N4DJS

From 37671936658704104
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c6dc677f448b66d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,8c6dc677f448b66d
X-Google-Attributes: gid105d97,public
X-Google-Thread: 114aac,8c6dc677f448b66d
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-11-28 16:36:23 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!snorkelwacker.mit.edu!usc!wuarchive!bcm!lib!thesis1.hsch.utexas.edu

From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio,rec.radio.shortwave,sci.electronics
Subject: Re: VLF Aircraft Radio Beacons
Keywords: VLF Beacons
Message-ID: <4377@lib.tmc.edu>
Date: 28 Nov 90 12:23:24 GMT
References: <4251@radio.oakhill.UUCP>
Sender: usenet@lib.tmc.edu
Followup-To: rec.ham-radio
Organization: University of Texas Medical School at Houston
Lines: 27
Xref: gmdzi rec.ham-radio:17219 rec.radio.shortwave:2887 sci.electronics:9827
Posted: Wed Nov 28 13:23:24 1990
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <4251@radio.oakhill.UUCP> charlie@oakhill.UUCP (Charlie Thompson) writes:

>Does anybody know what output power NDB's utilize? I can hear
>the CW identifier from them as much as 200 miles away and I am
>trying to determine whether this is excellent reception or just
>typical. My antenna is a homemade 'active' whip which is about 10
>feet long. I was told that NDB's are low power in order to minimize
>interference between beacons operating on the same frequency in
>different geographical locations.

The output power of NDBs vary widely. NDBs are divided into four classes:
1) HH - high power homing beacon, over 2 KW. These have a designated service radius of 75 nautical miles at all altitudes.
2) H - medium power homing beacon, between 50 watts and 2 KW. 50 NM.
3) MH - low power homing beacon, less than 50 watts. 25 NM.
4) LOM/LMM - compass locator beacon. These are located at the outer marker (LOM) or middle marker (LMM - these are rare) of an Instrument Landing System. LOMs and LMMs have a service radius of 15 NM, though their power output isn't specified in my reference.

Unfortunately, the only way to find out what class a given NDB is in is to figure out where it is, and then look it up in the Airport/Facility Directory for your area, available for $3 (I think) at your friendly neighborhood pilot shop. The classes above are also described there.
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
"With design like this, who needs bugs?" - Boyd Roberts

From -6022840178290280553
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d521d73c682b0b68
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 17:14:00 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!f470.n101.z1.fidonet.org!John.Cull
From: John.Cull@f470.n101.z1.fidonet.org (John Cull)
Newsgroups: rec.ham-radio

Subject: Re: STATES WHERE RADAR DETECTORS ARE ILLEGAL?
Message-ID: <624.2754E916@w8grt.fidonet.org>
Date: 29 Nov 90 01:14:00 GMT
Sender: ufgate@w8grt.fidonet.org (newsout1.26)
Organization: FidoNet node 1:101/470
Lines: 12
Posted: Thu Nov 29 02:14:00 1990

In reply to Eakin:

VA and CT both have Automotive Electronic Countermeasures (Radar Detectors)
as illegal. Massachusetts has had a bill every year that proposes the same
thing here, but so far we've been fortunate.
 --- TBBS v2.1/NM
 * Origin: Tom's BBS - Wollaston, MA - 617/471-3009 (1:101/470)

--
John Cull - via FidoNet node 1:234/1
UUCP: ...!uunet!w8grt!101!470!John.Cull
INTERNET: John.Cull@f470.n101.z1.fidonet.org

From -5881231513869880078
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,efb3ba350953e91c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 18:05:07 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!mit-eddie!bloom-beacon!vaxeline!bootsie!olson
From: olson@bootsie.UUCP (Eric Olson)
Newsgroups: rec.ham-radio
Subject: What is this radio?
Summary: GE HT Mystery Radio
Message-ID: <38@bootsie.UUCP>
Date: 28 Nov 90 10:54:04 GMT
Reply-To: olson@endor.harvard.edu (Eric Olson)
Organization: Lexington Software Design, Lexington, MA
Lines: 21
Posted: Wed Nov 28 11:54:04 1990

I have inherited a handheld tranceiver from a technology
illiterate roommate, but I don't know what it is or if it is
useful! The only markings on it say:

General Electric
FCC ID AXA9MZTR-121A   MPI SERIES
COMB: P5CRR56BEN

It is clearly a two channel handheld tranceiver, and has
volume and squelch knobs, and a "CG/OFF" switch.

What is it? What is it worth? Can it be modified to run
on Amateur frequencies?

-Eric

--
Eric K. Olson, Editor, Prepare()   NOTE: olson@bootsie.uucp will not work!
Lexington Software Design   Internet: olson@endor.harvard.edu
72A Lowell St., Lexington, MA 02173   Usenet: harvard!endor!olson
(617) 863-9624   Bitnet: OLSON@HARVARD

From 7160008617904795774
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8264e00ede88aef,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,e8264e00ede88aef,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-11-28 18:05:18 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!uwasa.fi!uwasa.fi!fk00133r
From: fk00133r@uwasa.fi (Jari Perkiomaki FKR)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: ANY EXPERIENCE ON KENWOOD R-5000?
Message-ID: <1990Nov28.150058.10415@uwasa.fi>
Date: 28 Nov 90 15:00:58 GMT
Sender: fk00133r@uwasa.fi (Jari Perkiomaki FKR)
Organization: University of Vaasa
Lines: 17
Xref: gmdzi rec.radio.shortwave:2888 rec.ham-radio:17224
Posted: Wed Nov 28 16:00:58 1990

Hi all,

I'm interested in Kenwood's R-5000 receiver and now wonder whether anyone in the net has some experience about it? According to specifications, it seems pretty sensitive on shortwaves but how about mediumwaves? And the audio quality is reportedly better than e.g. in Icom R71. Any comments on its performance?

Please post or drop me e-mail,

Thank you!

Yours,

Jari.
--
Jari K Perkiomaki, OH6BG, U of Vaasa, fk00133r@uwasa.fi, perkioma@jyu.fi

From -6016906210297483654
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c99912d9e868795f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 18:46:58 PST

Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!udel!rochester!pt.cs.cmu.edu!o.gp.cs.cmu.edu!andrew.cmu.edu!da0g+
From: da0g+@andrew.cmu.edu (David Apfelbaum)
Newsgroups: rec.ham-radio
Subject: Request 440 Transmitter/Receiver Circuits
Message-ID: <UbJ7OWy00VpcMKoEgX@andrew.cmu.edu>
Date: 29 Nov 90 02:46:58 GMT
Organization: Mathematics, Carnegie Mellon, Pittsburgh, PA
Lines: 22
Posted: Thu Nov 29 03:46:58 1990

Our club station here at Carnegie-Mellon is finally getting a repeater up and running. (It's been a planned project for several years....) However, it's going to be on 440Mhz, and many of us only have 2-meter rigs. So I was wondering, how difficult would it be to build a (low-power) 440Mhz single-frequency transmitter and receiver. Does anyone out there in net-land have any experience with building such circuits? Or could you point me to the right place to look?

Thanks,
David Apfelbaum, KA2GGL

```
===========================================================================
David Apfelbaum             Student (mostly Math/CS) at Carnegie Mellon.
5266 Beeler St.             INTERNET, BITNET, etc: da0g+@andrew.cmu.edu
Pittsburgh PA 15217                     Alternate: da0g%andrew@CMCCVB
(412) 683-7216              UUCP:   ...!harvard!andrew.cmu.edu!da0g
===========================================================================
#include <std_disclaimers>   /* CMU is not responsible for my babblings. */
#include <std_quote(s)>      /* Beware of Hackers carrying screwdrivers. */
===========================================================================
```

From 1493296440688103938
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96f96cb9808e4586
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 19:35:24 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: CW Questions from a novice
Keywords: CW
Message-ID: <1990Nov29.033524.23715@informix.com>
Date: 29 Nov 90 03:35:24 GMT
References: <815@idacrd.UUCP>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 25
Posted: Thu Nov 29 04:35:24 1990

I have been a ham for 8 months, and have upgraded to advanced class. Would you believe that I've never made a CW QSO? I really would like to get involved in CW, but I feel like a complete ignoramus. I have an ICOM-735 with the built-in keyer. I have these questions:

1) How do I answer a CQ? I hear a guy calling CQ, and I want to answer him, but how? What do I send? Like I say, I'm pretty ignorant.

2) On what frequency do I answer the CQ? If I hear him, do I answer him on that frequency, or do I move the dial until his tone is at the lowest point?

3) Which bands would you recommend for a beginner? Obviously, the novice sections of the bands are good. I like 40 meters, but broadcast stations usually obliterate the band.

Thank you in advance for any help.

```
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                            Informix Software, Inc.
KK6MY                                              uunet!pyramid!infmx!randall
--

=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                            Informix Software, Inc.
Senior Programmer/Analyst, MIS                     uunet!pyramid!infmx!randall
```

From 4525540533758992510
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d04953aeb96028
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 19:44:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!sdd.hp.com!hplabs!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: Gordon West
Message-ID: <1990Nov29.034410.23885@informix.com>
Date: 29 Nov 90 03:44:10 GMT
References: <memo.579111@lynx.northeastern.edu>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 15
Posted: Thu Nov 29 04:44:10 1990

In article <memo.579111@lynx.northeastern.edu> sehrlich@lynx.northeastern.edu writes:
>My question is: Does anyone know if Gordon West
>has any study guides for license classes higher than General? I am
>presently studying his General class book, and would be very disapointed
>if this was his highest level book.

Yes indeed. The tapes are under the brand "Gordon West Radio School". You can probably check for ads in ham magazines, or look for it at a ham radio retail store. I love his material too ... much better than the ARRL's stuff. He sells a complete extra class set that I am now studying.
--

```
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                            Informix Software, Inc.
Senior Programmer/Analyst, MIS                     uunet!pyramid!infmx!randall
```

From -5900902907556620625
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7ae94026b10ab231
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,20da8fa4b34a0b94
X-Google-Attributes: gid114aac,public
X-Google-Thread: f5cc0,20da8fa4b34a0b94
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-11-28 20:07:40 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!bu.edu!rpi!julius.cs.uiuc.edu!zaphod.mps.ohio-state.edu!uwm.edu!ogicse!zephyr.ens.tek.com!ronk
From: ronk@zephyr.ens.tek.com (Ron Kirkpatrick)
Newsgroups: rec.ham-radio,rec.radio.shortwave,sci.space
Subject: Re: Request for information on the SARSAT satellites
Keywords: SARSAT satellites elt search and rescue
Message-ID: <10034@zephyr.ens.tek.com>
Date: 28 Nov 90 17:14:08 GMT
References: <673@kb2ear.UUCP> <4022@dftsrv.gsfc.nasa.gov>
Reply-To: ronk@zephyr.ens.tek.com (Ron Kirkpatrick)
Followup-To: rec.ham-radio
Organization: Tektronix, Inc., Beaverton, OR.
Lines: 21
Xref: gmdzi rec.ham-radio:17225 rec.radio.shortwave:2889 sci.space:17798
Posted: Wed Nov 28 18:14:08 1990

>>
>>I am looking for any information about the SARSAT search and rescue
>>satellites.
>
>The SARSAT project was managed by Goddard Space Center, however, there is
>no longer a listing in the current (10/90) or previous (4/90) internal
>phonebooks for the SARSAT project manager. This means the project is
>no longer operational or that management has been transfered to another
>agency. You could try the GSFC Public Affairs Office (301-286-6255) or
>possibly NOAA.
>

Another place you might check is the US Air Force. The Civil Air Patrol (CAP) receives it's emergency alerts from the Air Force Rescue Coordination

Center (AFRCC) at Scotts AFB. Sorry I don't have any further information.

Ron Kirkpatrick
ronk@zephyr.ens.tek.com
503-627-6707

From 105811785889256488
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,24e410c8a5f58a81,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f6387,24e410c8a5f58a81,start
X-Google-Attributes: gidf6387,public
X-Google-ArrivalTime: 1990-11-28 20:46:19 PST
Xref: utzoo rec.ham-radio:27542 rec.skydiving:1807
Path: utzoo!utgpu!news-server.csri.toronto.edu!cs.utexas.edu!sdd.hp.com!samsung!munnari.oz.au!metro!ipso!runxtsa!richardm
From: richardm@runxtsa.runx.oz.au (Richard Murnane)
Newsgroups: rec.ham-radio,rec.skydiving
Subject: Skydiving hams?
Message-ID: <2592@runxtsa.runx.oz.au>
Date: 29 Nov 90 04:46:19 GMT
Reply-To: richardm@runxtsa.runx.oz.au (Richard Murnane)
Followup-To: rec.ham-radio
Organization: RUNX Unix Timeshare. Sydney, Australia.
Lines: 18

Hi folks,
Last weekend I got in a bit of ham-radio work while doing my
AFF Stage 3 jump (well, _after_ the chute opened at least),
at the Newcastle Sport Parachute Club, Elderslie NSW.
I've put the question about on voice and packet but had no
definitive answer yet to the following question.
Has this been done before, specifically in Australia? I expect
it's common enough in the U.S., and I've had hints that somebody
did it in Melbourne a few years ago, but I'd like to know for sure.
Any ideas anybody?

Thanks,
Richard.

--
Richard P. Murnane
Internet: richardm@runxtsa.runx.oz
Packet Radio: VK2JRM @ VK2OP.NSW.AUS.OC

From -6678526717738502146
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28c3893db0083e24
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 22:43:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!voder!

thoreau!rtodd
From: rtodd@thoreau.nsc.com (=Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: Super Repeaters
Message-ID: <115@thoreau.nsc.com>
Date: 28 Nov 90 14:30:10 GMT
References: <1219@west.West.Sun.COM>
Organization: National Semiconductor, S. Portland, Maine
Lines: 30
Posted: Wed Nov 28 15:30:10 1990

In article <1219@west.West.Sun.COM>, flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242) writes:
>
> As a point of trivia, I've been wondering which single ham repeater has
> the largest coverage area accessable with ordinary equipment. This

Many of the repeaters in the Salt Lake City area have super coverage due to good height above average terrain (some in the 5000 to 7000 foot class). When the British THRUST land speed record team was making their attempts in '82 and '83 they were using the SLC repeaters successfully with 1 and 2 watt HTs. Some one else will have to check me on the distances from Dugway and the salt-flats but I think that its over 90 miles. One interesting repeater there is on Antelope Island in the middle of the Great Salt Lake, though not really tall it has an excelent window to the west and south west as well as covering much of the Wasatch front to Orem and the south side of Utah Lake.

The guys in Colorado should back me up on this one; the eastern slope of the Rocky Mtns also affords some fantastic repeater sites which could easily rival or surpass much of the coverage in the rest of the country owing to the uniquly level terrain to the east of Denver.

One suprising repeater is the one on Mt Washington (New Hampshire). Here in Portland, ME we are 90 miles distant and are still well covered by its service, there are places in Portland that are line of sight to Mt Washington. Indeed, the line of sight from Mt Washington extends well out into the ocean, I've seen it from whale watches where the distance was over 120 miles and, no, I didnot have an HT along to try though I am tempted next time.

K3FR

From -8533652315654080639
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 23:01:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Internet-Packet Reply (LONG!)

Message-ID: <368@ultrix.uhasun.hartford.edu>
Date: 28 Nov 90 14:47:24 GMT
References: <602.27528414@w8grt.fidonet.org>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 57
Posted: Wed Nov 28 15:47:24 1990

In article <602.27528414@w8grt.fidonet.org>, jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

```
>
>  > From: jbloom@uhasun.hartford.edu (Jon Bloom)
>  > Date: 26 Nov 90 18:41:51 GMT
>  > Organization: The University of Hartford
>  > Message-ID: <366@ultrix.uhasun.hartford.edu>
>  > Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,
>  > rec.ham-radio
>  >
>  > Since you ask...
>  >        97.115(b) The third party may participate in stating the
>  >                  message where:
>  >                    (1) The control operator is present at the control
>  >                        point and is continuously monitoring and
>  >                        supervising the third party's participation...
>
> Thank you for sharing that with us. Unfortunately, it has nothing to do with
> the topic we were discussing. The segment you quote relates to a third-party
> DIRECTLY manipulating the amateur stations' on-the-air transmissions in real
> time. We are discussing non-realtime "store and forward" transmission of
> Internet newsgroups. In such a matter nothing is said about the mechanics of
> ensuring compliance with rules governing message content. There is no reason to
> assume, based on anything in Part 97, that a licensee or his designated control
> operator may not legally employ mechanical aids to enhance his ability to
> achieve that compliance with a minimum of physical labor.
```

Whoa! Where in Part 97 do you see a distinction drawn between real-time third-party traffic and store-and-forward? That's a distinction drawn by *you* rather than by the FCC. The paragraph addresses the means by which a third party may participate in stating the message. If a message (stated by a third party) comes across the network and is transmitted directly, without human intervention, that third party is stating it without the supervision of a control operator. Of course the control operator can use mechanical aids--I never said he couldn't--but the use of such aids doesn't absolve him of the responsibility to continously monitor and supervise the third party's participation.

The FCC's major concern is not that someone might say a naughty word on the air. They are concerned that unscrupulous people might use amateur frequencies for business or criminal purposes without there being any means of detecting and tracking them. That is the basis of having third-party rules at all, really. When we went down to the FCC a few months ago to brief them on packet developments, most of their questions had to do with how one could detect the presence of illegal traffic and trace it back to its source.

If people decide en masse that "it's better to beg forgiveness than to ask permission," and they start installing Internet<->packet gateways willy nilly, I predict that the eventual result will be a tightening of the rules to prohibit third-party digital connections generally. No one wants that.

--
Jon Bloom, KE3Z | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu |
Snail: 225 Main St., Newington, CT 06111 | "I have no opinions."

From -4927277479671784770
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b76bf8d22f6b152b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10a148,b76bf8d22f6b152b,start
X-Google-Attributes: gid10a148,public
X-Google-ArrivalTime: 1990-11-28 23:08:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!bionet!ucselx!crash!garym
From: garym@crash.cts.com (Gary Morris)
Newsgroups: rec.ham-radio,sci.space.shuttle
Subject: STS-35 Shuttle Amateur Radio Experiment (SAREX)
Summary: Summary of previous bulletins plus updated information
Keywords: STS-35, Shuttle, SAREX
Message-ID: <5958@crash.cts.com>
Date: 29 Nov 90 07:08:17 GMT
Reply-To: gmorris@nasamail.nasa.gov (Gary Morris N5QWC)
Followup-To: rec.ham-radio
Organization: Lockheed, Houston, Texas
Lines: 374
Xref: gmdzi rec.ham-radio:17266 sci.space.shuttle:5112
Posted: Thu Nov 29 08:08:17 1990

[I posted this on 11/16 and 11/26 but it apparantly never get outside Houston. Sorry if you see this twice. --GaryM]

A new launch date has been set for STS-35, Sunday, December 2, 1990 at 0628 UTC. New keplerian elements have been generated and are included below.

The shift timeline for the flight has been changed significantly. A night landing has been approved. This allowed the work shifts to be rescheduled for a 24 hour day instead of the previous 23 hour (approx) day they were using. The 23 hour day was used so that the crew sleep times were shifted away from the deorbit/landing time.

Below are summaries of various bulletins that have appeared about the

STS-35 SAREX flight. I've also included a timeline showing when the Ron (WA4SIR) will be operating SAREX and when the SAREX packet robot will be running.

--GaryM

STS-35 SAREX
Shuttle Amateur Radio Experiment
Information Summary

Launch: December 2, 1990, 0628 UTC

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----

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o NASA Select Video Broadcast
o SAREX Uplink/Downlink Frequencies
o SAREX Packet Operating Hints
o SAREX Operations Timeline

[Rev 901127. N5QWC]

==

Keplerian Element Set

```
STS-35
1 00035U          90336.32152778  .00031000  00000-0  22174-3 0    66
2 00035  28.4690 359.2943 0005720 246.6067 119.6564 15.71792660    23

Satellite: STS-35
Epoch time:      90336.32152778
Element set:     JSC-006
Inclination:       28.4690 deg          Space Shuttle Flight STS-35
RA of node:       359.2943 deg           Pre-launch flight profile
Eccentricity:     .0005720                   Keplerian Elements
Arg of perigee:   246.6067 deg         Launch:   2 DEC 90   06:28 UTC
Mean motion:   15.71792660 rev/day                  W5RRR
Decay rate:       3.10E-04 rev/day^2      NASA Johnson Space Center
Epoch rev:               2
```

==

Mission Audio Rebroadcast

The following stations will rebroadcast the mission audio from the shuttle and ground controllers.

WA3NAN - Goddard Space Flight Center (GSFC), Greenbelt, Maryland.
W5RRR - Johnson Space Center (JSC), Houston, Texas
W6VIO - Jet Propulsion Laboratory (JPL), Pasadena, California.
W6FXN - Los Angeles
K6MF   - San Francisco

Station	VHF	10m	15m	20m	40m	80m
WA3NAN	147.46	28.650	21.395	14.295	7.185	3.860
W5RRR	146.64					
W6VIO	224.04		21.280	14.282	7.165	3.840
W6FXN	145.46					
K6MF	145.58				7.165	3.840

==

W5RRR Special Event Station

W5RRR - Johnson Space Center (JSC) ARC, Houston, TX. Special event station with bulletins, updated element sets, and current flight information will be making contacts and answering questions using SSB on the HF bands. The frequencies are in the chart below. The special event station will start operations on morning of the day after launch (currently 1500 UCT 12/03/90) up thru the landing. W5RRR will also rebroadcast the audio from the contacts between WA4SIR and schools. Three of the 5 bands will be in use at any given time, with band selection determined by propagation.

Station	10m	15m	20m	40m	80m	
W5RRR	28.400	21.350	14.280	7.227	3.850	(+/- QRM)

==

W1AW Voice Bulletins

W1AW will be broadcasting daily bulletins with updated information on SAREX during the flight. Voice bulletins are transmitted daily at 0130 UTC and 0430 UTC on the following frequencies:

Station	10m	15m	20m	40m	80m
W1AW	28.590	21.390	14.290	7.290	3.990

==

AMSAT Net Operations

Information will also be available from the AMSAT net, tune in for bulletins. The net operates every week on:

Sunday	1800-2100 UCT	(international)	14.282 Mhz USB
Tuesday	0130-0300 UCT	(USA)	3.840 Mhz LSB

JSC INFO BBS

The Public Affairs Office at the Johnson Space Center operates a BBS to provide information to the public. Check this board for updates to the keplerian element sets during the flight.

To access the BBS, call +1-713-483-2500 using 1200 baud, 8-N-1, at the ENTER NUMBER: prompt, enter "62511" and you will be connected to the BBS.

NASA JSC's Electronic Space Information BBS is intended to provide 24-hour access to biographies of NASA officials and astronauts, news releases, space flight mission presskits and television schedules, space shuttle systems information, flight manifests and schedules, and other information about the space program.

TNC Settings for SAREX

The packet call sign on board the shuttle is WA4SIR (SSID=0). Your TNC should be in half-duplex mode (FULLDUP OFF) with CD active just like you do for normal VHF packet operations. Your FRACK should be at least 3 seconds. If everybody runs the same DWAIT then everybody will be transmitting at the same time. When uplink QRM is heavy pick a DWAIT that nobody else is using. The FUDtimer on the ROBOT is set for 3 seconds.

[condensed from ANS-230.05/06, originally compiled by W3IWI]

NASA Select Video Broadcast

STS-35/ASTRO-1 Space Shuttle mission television programming will be transmitted daily via the following satellite to accommodate the Alaska and Hawaii audiences:

SPACENET 1
Transponder 17
120 degrees West Long
4040 MHz (Video)
6.8 MHz (Audio)

The continental United States will continue to receive NASA Select television, 24 hours a day throughout the mission, via:

SATCOM F2R (C Band)
Transponder 13
72 degrees West Long
3960 MHz (Video)
6.8 MHZ (Audio)

[condensed from ANS-244.03 by N5QWC]

SAREX Uplink/Downlink Frequencies

Downlink/Uplink Frequencies for Voice QSOs to be used on Upcoming Mission

Get out your HTs and HT programming manuals. You will want to program your 2 meter FM transceivers with the following information.

	Shuttle TX Freq	Shuttle RX Freq	
North/South	145.55 MHz	144.95 MHz	*** Primary ***
American	"	144.91 MHz	
Frequencies	"	144.97 MHz	
Remainder	145.55 MHz	144.95 MHz	*** Primary ***
of the World	"	144.70 MHz	
Frequencies	"	144.75 MHz	
	"	144.80 MHz	
	"	144.85 MHz	

These are the frequencies Ron Parise WA4SIR will use on both voice and packet. Please note that the frequencies Ron will be listening for stations ARE DIFFERENT than the one he will transmit on. This is a very important fact to understand. Ron will transmit to earth (downlink) on a single frequency: 145.55 MHz. He will listen for stations transmitting to him (uplink) on the other frequencies listed. This "split" operation is used quite successfully by DXers when operating in an environment where large pile ups are expected.

The first pair of frequencies (noted as primary) is a standard -600 KHz split used by repeaters. This was done so that communicating with SAREX could be accomplished by Hams using standard FM transceivers. If Ron finds that the receive QRM becomes unmanageable, he may listen on the alternate frequencies listed. In North America, the lower section of the FM repeater bandplan extends as high as 144.90. This is why the uplink frequencies only extend down to 144.91 MHz.

There will be no simplex operation with SAREX on either voice or packet.

Although packeteers are not accustomed to operation with a TX/RX offset, in this case, it is the only way to connect to SAREX. If you transmit on 145.55 MHz the only people who will hear you are those other Hams in your area trying to contact SAREX (You will most likely become an instant celebrity, but not necessarily in the positive sense of the word!).

There should be about 3 KHz of Doppler shift due to the orbital velocity of the Columbia spacecraft. By limiting the deviation of your transmitter to 3 KHz, Ron's receiver should have little trouble capturing your signal.

[This information was extracted from an article written by W3IWI, WA4SIR, and W3XO and published in the March 1990 issue of The AMSAT Journal]

SAREX Packet Operating Hints

HR AMSAT NEWS SERVICE BULLETIN 230.05 FROM AMSAT HQ
HR AMSAT NEWS SERVICE BULLETIN 230.06 FROM AMSAT HQ
SILVER SPRING, MD AUGUST 18, 1990
TO ALL RADIO AMATEURS BT

You learn very quickly when venturing into the world of Packet Radio that unless you use the correct call sign when attempting to connect to another packet station, you won't get too far. Such is the case with the packet operation on SAREX. A number of publications reported earlier this year that the SSID for the SAREX packet ROBOT would be = 1 (ie: WA4SIR-1). Tom Clark, W3IWI, reports that both the HK21 ROBOT TNC and the operational software for the GRID laptop computer have the calls defaulted to WA4SIR (SSID = 0) and that call should be used unless, for some unanticipated reason, the defaults are overridden. Tom continues, the best advice is for you to MONITOR the downlink signals from STS-35 and use whatever call you see on the downlink.

The ROBOT TNC code uses only one SSID at a time.

Because the WA4SIR SAREX ROBOT will be bombarded with signals from tens or hundreds of ground-based users when STS-35 is flying over populated areas, it is not possible for the ROBOT TNC and radio to use normal half-duplex packet procedures -- the CD (carrier detect) signal will simply never drop! The ROBOT will be running in a modified full-duplex mode. When the ROBOT copies a valid packet frame (or when it is time to send a beacon), the data to be sent is put into a buffer and a timer (which is called the FUDtimer) is started. The ROBOT firmware then queues all other outgoing transmissions in the buffer until FUDtimer expires (3 seconds later), and all downlink frames in the queue are sent in one long transmission. You may discover that the response time while running in this mode is sluggish when compared to normal packet operation.

Since the SAREX handheld radio cannot receive when it is transmitting, users should insure that they remain silent and listen when the shuttle is transmitting. In other words, DO NOT RUN FULL DUPLEX ON THE GROUND! Leave your TNC in half-duplex mode (FULLDUP OFF) with CD active just like you do for normal VHF packet operations.

You should be careful with the setting of two of your TNC's timers: DWAIT and FRACK. DWAIT is the time interval after your Carrier Detect light goes out and before your transmitter turns on. You want to make sure your connects requests and ACKs are contained in the 3 second FUDtimer window. If everybody runs the same DWAIT (like the typical 0.1 - 0.5 second values used for terrestrial packet), then everybody will be transmitting at the same time. Part of the key to your success when uplink QRM is heavy is to pick a DWAIT that nobody else is using! (sort of like picking a lottery number!)

FRACK sets the time interval between your transmissions. After you send a frame, your TNC waits for the FRACK time, and then waits for the Carrier Detect signal to drop, then waits DWAIT, and then tries again. You should make sure your FRACK is at least 3 seconds so that you are not transmitting when the ROBOT's FUDtimer decides it is time for it to transmit -- if you are transmitting at the same time, you will miss any packets the shuttle is addressing to you and you won't have a successful QSO.

Note that your DWAIT (how soon do I transmit?) and FRACK (then how long do I wait?) parameters and the need to stop transmitting so you can hear a reply are just like you encounter when working a DXpedition pileup on HF. If the DX station has a pattern of listening for a few seconds (=FUDtimer) before transmitting, you may have better luck being the LAST station they hear, after the din dies down. The differences are that (1) the ROBOT is a computer and is very predictable and (2) the ROBOT can be working several stations at one time.

[ANS thanks W3IWI for compiling the information for this bulletin]

==

SAREX Operations Timeline

Summarized from flight timeline data file dated 11/26/90 10:54

```
  MET
D Hr Mh Event
- -- -- -------------------------
0 20 00 Start SAREX
0 20 30 Activate robot
1 09 30 Deactivate robot, start crew tended
1 11 00 SAREX off

1 19 00 Start SAREX crew tended
1 20 30 Activate robot
2 08 55 Deactivate robot, start crew tended
2 11 00 SAREX off

2 19 00 Start SAREX crew tended
2 20 30 Activate robot
3 08 45 Deactivate robot, start crew tended
3 11 00 SAREX off
```

3 19 00 Start SAREX crew tended
3 20 30 Activate robot
4 09 00 Deactivate robot, start crew tended
4 11 00 SAREX off

4 19 00 Start SAREX crew tended
4 20 30 Activate robot
5 08 45 Deactivate robot, start crew tended
5 11 00 SAREX off

5 19 00 Start SAREX crew tended
5 20 30 Activate robot
6 08 55 Deactivate robot, start crew tended
6 11 00 SAREX off

6 19 00 Start SAREX crew tended
6 20 30 Activate robot
7 08 45 Deactivate robot, start crew tended
7 11 00 SAREX off

7 19 00 Start SAREX crew tended
7 20 29 Activate robot
8 08 15 Deactivate robot, start crew tended
8 10 00 Power down SAREX, stow

Extended duration option

8 18 30 Start SAREX crew tended
8 20 00 Activate robot
9 07 45 Deactivate robot, start crew tended
9 08 30 SAREX off
9 09 00 Power down SAREX, stow

==

```
--
Gary A. Morris              Internet:      lobster!lescsse!gmorris@menudo.uh.edu
Lockheed (LESC), A22        UUCP:          limbic!lobster!avocado!garym (home)
Houston, Texas              SPAN:          24810::"gmorris@nasamail"
SSE System Project          NASAMail:      gmorris/jsc/nasa
Space Station Freedom       Internet:      gmorris@nasamail.nasa.gov
N5QWC/W5RRR - PP/ASEL       Phone:         +1-713-283-5195 (daytime)
```

From -3060622624984125409
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ee8da8f95c2ed0ab
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 01:17:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!qualcom.qualcomm.com!fpa
From: fpa@qualcomm.com (Franklin Antonio)
Newsgroups: rec.ham-radio

Subject: Re: AMSAT orbital data format
Message-ID: <1990Nov29.091735.27641@qualcomm.com>
Date: 29 Nov 90 09:17:35 GMT
References: <12640522248.27.LSPRINGSTEEN@WSMR-SIMTEL20.ARMY.MIL>
Reply-To: antonio@drzeus.qualcomm.com (Franklin Antonio)
Organization: Qualcomm Inc., San Diego, CA
Lines: 30
Posted: Thu Nov 29 10:17:35 1990

LSPRINGSTEEN@WSMR-SIMTEL20.ARMY.MIL (Larry L. Springstee) writes:
>RE:AMSAT ELEMENT SETS
>
> I have been wondering WHY the good people at AMSAT insists on publishing
>orbital element data in an archaic and expanded format. I have been relaying

The reason is that the AMSAT-format is human-readable. The variety of
different tracking methods & programs being used by amateur radio and other
hobbyists is amazing. Some folks, for example, use hand-held calculators.
Many of these programs cannot handle automated input, hence human-readable
format is most desirable. I'm not trying to justify the use of old software,
just stating the facts.

>I do not understand
>the logic of sending data that takes up twice the space and requires manual
>input to be used.   ^^^^^^^^ ^^^^^^
 ^^^^^
That's not exactly right. Many programs can read the AMSAT-format
automatically. If your software doesn't, then i suggest you obtain
InstantTrack (which i wrote). Available from AMSAT for a small donation.
Nobody should _ever_ be forced to type in long streams of digits. Computers
are supposed to be labor-saving devices!

> It's the same data only in half the space. Is there any one that
>reads this net that knows who to talk to to fix this problem? I see this

Yes. AMSAT has now assigned someone to manage the distribution of orbital
element info. He is: Dick Campbell, N3FKV. He's the official person to
whom you should send your concerns and suggestions re AMSAT's orbital
element distribution.

From 8488067256956300631
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0aaa3358b071a9a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 03:26:30 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpda!hpcuhb!hpsqf!hpqmola!hpqmole!dstock
From: dstock@hpqmole.sqf.hp.com (David Stockton)
Newsgroups: rec.ham-radio
Subject: Re: Antenna Matching
Message-ID: <410012@hpqmole.sqf.hp.com>
Date: 29 Nov 90 11:26:30 GMT

References: <FAA5656555BF200363@uncg.bitnet>
Organization: HP,Queensferry Microwave UK
Lines: 25
Posted: Thu Nov 29 12:26:30 1990

If I remember rightly the bottom end of the G5RV was designed to come our at about 75 ohms. The original design just connects the bottom end of the OPEN WIRE feeder to the co-ax - no balun.

Louis varney G5RV himself recommends an ATU design with a true balanced output and no balun. He seems to get asked frequently about this and so re-publishes details every now and then. There was a fairly comprehensive article by him on this subject in RADCOM within the past couple of years. These antennas are definately compromise jobs, but do well for what they are. Don't expect low VSWR, if you can use all balanced feed line and balanced ATU. If you get a very bad match at any frequency of importance, you can shift it by changing feeder length.

Quite a number of QRPers use them and with patience and a couple of watts manage to embarrass the kilowatt gang occasionally.

I ran a G5RV for 5 years, used slotted ribbon feeder. Nothing else that would not cause planning trouble would do as well, Im just using a 40M specific antenna at the moment. There is the ARRL wire antenna book and SPRAT often carries wire antenna/ATU info.

Hope this helps   All my own, finest opinions :-)

73 GM4ZNX

From -657226432365281097
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17b74b31b6873f53
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 05:46:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!crdgw1!ethiopia
From: mallick@ethiopia (john a mallick)
Newsgroups: rec.ham-radio
Subject: Re: R.L. Drake Company info needed!
Keywords: Drake
Message-ID: <14355@crdgw1.crd.ge.com>
Date: 29 Nov 90 13:46:08 GMT
References: <90307.083350DOW@MAINE.BITNET>
Sender: news@crdgw1.crd.ge.com
Reply-To: mallick@ethiopia (john a mallick)
Organization: GE Corp. Research and Development
Lines: 26
Posted: Thu Nov 29 14:46:08 1990
In-reply-to: DOW@MAINE.BITNET (Michael R. Dow)

```
In article <90307.083350DOW@MAINE.BITNET>, DOW@MAINE (Michael R. Dow) writes:
>
>    Does anyone out there in net-land know if the R.L. Drake company
>will repair their radios?  And, if so, how do I contact them? (Phone number
>would be appreciated, as well as address...)
>
>
>Help!  My TR-4C is feeling rather ill...
>
>Michael R. Dow
>KA1WMB
>Dow@Maine.Maine.edu

  From what I understand, RL Drake still services their ham radio
equipment and stocks parts.  They are (presumably) still at their
old address (copied from my C-Line manuals):

     RL Drake Co.
     540 Richard St.
     Miamisburg, OH 45342
     (518)-866-3211

  Hope this helps out a bit.

John Mallick  WA1HNL
mallick@crd.ge.com


From -8759052057527806031
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8264e00ede88aef
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,e8264e00ede88aef
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-11-29 07:07:20 PST
Path: gmdzi!unido!mcsun!uunet!unsvax!jimi!tahoe!apple!chuq
From: chuq@Apple.COM (The Wandering Phew)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: ANY EXPERIENCE ON KENWOOD R-5000?
Message-ID: <46904@apple.Apple.COM>
Date: 28 Nov 90 18:31:56 GMT
References: <1990Nov28.150058.10415@uwasa.fi>
Organization: Under that bluish-grey looking rock
Lines: 38
Xref: gmdzi rec.radio.shortwave:2895 rec.ham-radio:17236
Posted: Wed Nov 28 19:31:56 1990

fk00133r@uwasa.fi (Jari Perkiomaki FKR) writes:

>I'm  interested in Kenwood's R-5000 receiver  and now wonder whether anyone
>in  the net has some experience  about it?

I've had one for a few weeks. I've been playing with it (and translating the
```

manual from Japanish to English so I can figure out how it works) and slowly putting it through its paces. It's an impressive receiver with a lot of flexibility. The controls are fairly intuitive (with glitches here and there).

I upgraded to this from a 2010, and it's attached to an Eavesdropper antenna outside. The differences, as much as I like the Sony, are astounding (which is not a put down of the Sony -- the R5000 costs a LOT more and so it better outperform).

>According to specifications, it
>seems pretty sensitive on shortwaves but how about mediumwaves? And the
>audio quality is reportedly better than e.g. in Icom R71.

It's very good on shortwave. I've done very little DXing on MW so far (no time), but I can, for instance, pull in XTRA (690, Tijunana) some of the time even though KNBR is sitting about 30 miles north blasting out 50K Watts on 680. Between some playing with the filters and some off-band tuning, I can almost make the splatter from the local powerhouse go away. I think once i have a chance to sit down and do some serious MW stuff, it'll perform fine.

Nice toy. Nice performance. I'm impressed.

--
Chuq Von Rospach   <+>   chuq@apple.com   <+>   [This is myself speaking]

This is your brain.   -----> E = Mc^^2
This is your brain on USENET.   -----> @#^$%^$#%!@#!#$%#$

From -1999111497423713267
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,41721ea8ca28483e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 07:19:17 PST
Path: gmdzi!unido!mcsun!uunet!pmafire!mica.inel.gov!gibbon!sxb
From: sxb@gibbon.inel.gov (Steve Bryan)
Newsgroups: rec.ham-radio
Subject: QSL Routes
Message-ID: <1990Nov29.151917.6736@inel.gov>
Date: 29 Nov 90 15:19:17 GMT
Sender: news@inel.gov
Organization: Idaho National Engineering Laboratory, Idaho Falls, Idaho
Lines: 26
Posted: Thu Nov 29 16:19:17 1990

I am posting this request for a friend, Ray W7QDM:

Does anyone have any QSL route information on the following stations worked during the CQWW CW contest:

J82A
V51Z

Thanks
-Steve

```
 ____________________________________________________________________________
|Steven R. Bryan, Idaho National Engineering Lab.  INTERNET: sxb@INEL.GOV    |
|N7MPY            POB 1625 M.S. 1206               Phone: (208) 526-0338     |
|_________________Idaho_Falls,_Id._83415___________FAX:___(208)_526-1419_____|
```

========== long legal disclaimer follows, press n to skip ===========
^L

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Government or the Idaho National Engineering Laboratory. The views and
opinions expressed herein do not necessarily reflect those of the
United States Government or the Idaho National Engineering Laboratory,
and shall not be used for advertising or product endorsement purposes.

From 6641434333022135236
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7329bbb194e2e5d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 07:47:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!uflorida!haven!decuac!bacchus.pa.dec.com!rust.zso.dec.com!
shlump.nac.dec.com!ryn.esg.dec.com!gwyned.enet.dec.com!wade
From: wade@gwyned.enet.dec.com (Paul Wade)
Newsgroups: rec.ham-radio
Subject: Re: WANTED: Distance formulas
Message-ID: <3534@ryn.esg.dec.com>
Date: 29 Nov 90 15:47:09 GMT
References: <1990Nov21.081312.15582@lth.se>
Sender: guest@ryn.esg.dec.com
Reply-To: wade@gwyned.enet.dec.com (Paul Wade)
Organization: Digital Equipment Corporation
Lines: 158
Posted: Thu Nov 29 16:47:09 1990

In article <1990Nov21.081312.15582@lth.se>, d89mb@efd.lth.se (Magnus Bodin)
writes:

|> Reply-To: d89mb@efd.lth.se (Magnus Bodin)
|> Organization: Institute of Tychology, Sweden
|> Lines: 16
|>
|> Is there anyone who's got good mathematical formulas for

|> distance calculation between points on earth taking the
|> ellipsiodical geometry into account?
|>
|>
|> Takelr|,
|>
|> Magnus
|>
|> Magnus Bodin   "Nec fasces, nec opes,
|> Institute of Tychology,   sola artis sceptra perennant"
|> Box 5127, 220 05 Sweden   (Tycho Brahe, Stj{rneborg 1584)
|>

previous replies have only used circular geometry.

the following bit of code compensates for the earth's shape, according to the cited reference.
I whipped this up for the recent 10GHz contest, so it is hardwired for North latitude and West
longitude - apologies to the rest of the world.

paul N1BWT

```
   PROGRAM dist (input,output); {calculates distance between two points}
                                { given latitude and longitude}
                   {short range algorithm compensating for earth's shape}
                   {REF: Haarsager, D.L., N7DH, "Path Selection - Part 2",}
                   {     QEX, January 1989, P. 8}

        {NOTE: I'm going to assume NORTH latitude, WEST longitude}

    CONST
         pi = 3.1415927 ;
         crad = 57.29578 ;
         nlogten = 2.302585 ;

    VAR     my_lat, my_lon              : REAL ;
            other_lat,other_lon         : REAL ;
            mean_lat                    : REAL ;
            horiz_dist, vert_dist       : REAL ;
            path_dist_mi, path_dist_km  : REAL ;
            my_bearing                  : REAL ;

    FUNCTION arccos(x:real):real ;
        BEGIN
            arccos := (pi/2) - arctan(x/(sqrt(1-x*x))) ;
        END; {arccos}


    PROCEDURE Get_an_angle (VAR angle_degrees : REAL );

        VAR degrees, minutes, seconds : real ;
    BEGIN
        read (degrees,minutes,seconds) ;
        angle_degrees := degrees + (minutes/60) + (seconds/3600) ;
    END ; { get_an_angle }

PROCEDURE Input_data ( VAR my_lat,my_lon,other_lat,other_lon : REAL);

    BEGIN
        write('Enter NORTH Latitudes and WEST Longitudes as DEG MIN SEC');
        writeln;
        write('My Latitude: ');
        Get_an_angle(my_lat) ;
        writeln;
        write('My longitude: ');
        Get_an_angle(my_lon) ;
        writeln;
        write('Other Latitude: ');
        Get_an_angle(other_lat) ;
        writeln;
        write('Other longitude: ');
        Get_an_angle(other_lon) ;
        writeln;
    END ; { Input_data }


PROCEDURE Distance ( my_lat,my_lon,other_lat,other_lon : REAL;
                     VAR path_dist_mi, path_dist_km  : REAL) ;

    VAR mean_lat,horiz_dist, vert_dist       : REAL ;

    BEGIN
        mean_lat := my_lat + ((other_lat - my_lat)/2) ;

        horiz_dist := (my_lon - other_lon) *
                      (68.962 + 0.04525 * mean_lat -
                      (0.01274 * mean_lat * mean_lat) +
                      (4.117E-5 *mean_lat*mean_lat*mean_lat)) ;

        vert_dist := (my_lat - other_lat) *
                     (68.712 - (1.184E-3 * mean_lat) +
                     (2.928E-4 * mean_lat*mean_lat) -
                     (2.162E-6 * mean_lat*mean_lat*mean_lat)) ;

        path_dist_mi := sqrt(horiz_dist*horiz_dist + vert_dist*vert_dist);

        path_dist_km := 1.609 * path_dist_mi ;

    END ; { Distance }


PROCEDURE Azimuth ( my_lat,my_lon,other_lat,other_lon : REAL;
                    VAR my_bearing :REAL );
        VAR Cos_bearing, Cos_Da, Da : REAL ; { Da = angular distance }

        BEGIN
            my_lat :=    my_lat/crad ;
            my_lon :=    my_lon  /crad ;
            other_lat := other_lat /crad ;
            other_lon  :=other_lon /crad ;

            Cos_Da := sin(my_lat)*sin(other_lat) +
                      cos(my_lat)*cos(other_lat)*cos(my_lon - other_lon) ;

            Da := arccos(Cos_Da) ;

            Cos_bearing := (sin(other_lat)-sin(my_lat)*Cos_Da) /
                        (cos(my_lat)*sin(Da)) ;

            my_bearing := arccos(Cos_bearing) ;

        END;  { Azimuth }

    PROCEDURE AngleInDegrees (angle_radians : real; VAR angle_degrees : real) ;
        BEGIN
            angle_degrees := angle_radians * crad ;
            IF angle_degrees > 180.0
                THEN angle_degrees := angle_degrees - 360.0 ;
        END;  {AngleInDegrees}

    BEGIN {main}

        Input_data ( my_lat,my_lon,other_lat,other_lon );

        Distance ( my_lat,my_lon,other_lat,other_lon,
                         path_dist_mi, path_dist_km  ) ;

        Azimuth ( my_lat,my_lon,other_lat,other_lon, my_bearing );
        AngleInDegrees(my_bearing,my_bearing) ;

        writeln;
        writeln ('   Distance = ',path_dist_mi:6:1,'miles,',
                  path_dist_km:6:1,'km');
        writeln;
        writeln ('   Bearing = ',my_bearing:5:1,' degrees' ) ;

    END.
```

```
From 6711653335623458817
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6c90deac7bcfbe1b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 09:07:24 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!sdd.hp.com!hplabs!hp-pcd!hpspkla!summers
```

From: summers@hpspkla.spk.hp.com (Jim B. Summers)
Newsgroups: rec.ham-radio
Subject: Re: ic751a vs ic751 microcode problems
Message-ID: <4630020@hpspkla.spk.hp.com>
Date: 29 Nov 90 17:07:24 GMT
References: <1990Nov26.221138.2724@xanadu.com>
Organization: Hewlett Packard Company, Spokane, Wa.
Lines: 27
Posted: Thu Nov 29 18:07:24 1990

Strictly speaking, the microprocessor code is permanent in the 751. All that is actually in the battery backed RAM board is data used by that code. The RAM contains the frequencies that define the band edges of the ham bands. It is in BCD form in the lower 256 bytes of the 1KX4 RAM. When the processor determines that the RAM is corrupt it just goes out to lunch to prevent out-of-band transmission.

I think ICOM should have mentioned the RAM feature in the manual (I have an IC-751 and there is no mention at all of the future loss of function.) Another thing that should be in there is instructions on how to remove the RAM board from the radio (without static damage) so that it alone can be shipped to ICOM for re-programming when the battery fails. It seems silly to have to ship the whole radio when it isn't really necessary.

When I first discovered the RAM feature of the ICOM radios I got a schematic of the RAM board from ICOM and figured out how to re-program it myself so that when the battery does go I would be covered. I would consider writing an article for QST with perhaps a schematic for a board that would interface to a PC via RS232 which would allow re-programming any of the RAM boards if there is any interest. Another thing that puzzles me is why someone, ICOM or someone else, hasn't come out with a replacement board with ROM providing the frequency data and RAM for the memories, vfo's etc. It seems like that would be easy and would make everyone happy.

Jim KD7F

From 6895701678272751553
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f49b762c5e3b5eb9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 09:08:03 PST
Path: gmdzi!unido!mcsun!uunet!unsvax!jimi!tahoe!apple!netcom!mojo
From: mojo@netcom.UUCP (Morris Jones)
Newsgroups: rec.ham-radio
Subject: Re: Update on Phased Vertical Arrays (long)
Message-ID: <17642@netcom.UUCP>
Date: 28 Nov 90 19:19:57 GMT
References: <8380@gollum.twg.com>
Organization: Netcom- The Bay Area's Public Access Unix System {408 241-9760 guest}

Lines: 18
Posted: Wed Nov 28 20:19:57 1990

Bruce,

We enjoyed your thread on phased verticals too! Thanks for the followup posting.

Did you consider switching in another phasing loop to turn the beam? You should be able to change the beam direction from end to broadside by a 90 degree phase shift.

Can I operate your station during the ARRL DX CW? <grin>

Mojo AA4KB

```
--
mojo@netcom.UUCP           Site Coordinating Instructor, San Jose South
Morris "Mojo" Jones        Skilled Motorcycling And Rider Training (S.M.A.R.T.)
Campbell, CA               800-675-5559 ... 800-CC-RIDER ...  408-423-2212
AA4KB @ N6LDL.#NOCAL.CA.USA.NA / aa4kb.ampr.org / netcom!mojo@apple.com
```

From -7007254466130702976
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7ae94026b10ab231
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 09:41:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!watserv1!ria!uwovax!51160_1477
From: 51160_1477@uwovax.uwo.ca
Newsgroups: rec.ham-radio
Subject: Re: Request for information on the SARSAT satellites
Message-ID: <7919.2755020c@uwovax.uwo.ca>
Date: 29 Nov 90 17:41:48 GMT
References: <673@kb2ear.UUCP> <4022@dftsrv.gsfc.nasa.gov> <10034@zephyr.ens.tek.com>
Followup-To: rec.ham-radio
Lines: 34
Posted: Thu Nov 29 18:41:48 1990

Some addresses for SARSAT/COSPAS information:

General Information

Office of Public Affairs
Code 140
NASA/Goddard Space Flight Center
Green Belt, MD 20771

Search and Rescue by Satellite

Public Affairs Ofice

NOAA NESDIS
5811 Herbert Hoover Building
Washington, DC 20230

General Operational System & Future USMCC

NOAA
National Environmental Satellite Data and Information Service
SARSAT Program Manager
Suitland Federal Center
Washington, DC 20233

Hope this helps.

Dave Colvin
Dave Colvin
VE3ZDC
PPDDC@UWOCC1.UWO.CA

London Air Patrol
Civil Air Search and Rescue Association (CASARA)
London, Ontario, Canada

From -6141890681942223686
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,133a5591d92c6c85,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 09:44:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
cs.utexas.edu!news-server.csri.toronto.edu!utgpu!watserv1!ria!uwovax!51160_1477
From: 51160_1477@uwovax.uwo.ca
Newsgroups: rec.ham-radio
Subject: KENWOOD TH77A MODS
Message-ID: <7920.275502b7@uwovax.uwo.ca>
Date: 29 Nov 90 17:44:39 GMT
Lines: 13
Posted: Thu Nov 29 18:44:39 1990

Someone posted some info on mods for the Kenwood TH77A handheld
in this group but it was deleted before I could print it.

I am buying one shortly and would appreciate any information on
modifications.

Please send to PPDDC@uwocc1.uwo.ca

Thanks very much.

Dave Colvin VE3ZDC
Univ. of Western Ontario
London, Ontario, Canada

From 4003697520575014359
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28c3893db0083e24
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 09:51:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!agate!shelby!
portia.stanford.edu!jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: Super Repeaters
Message-ID: <1990Nov29.175139.9943@portia.Stanford.EDU>
Date: 29 Nov 90 17:51:39 GMT
References: <1219@west.West.Sun.COM>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 10
Posted: Thu Nov 29 18:51:39 1990

The KC4SW 52.64 machine, atop Black Mountain (2820' ASL) has coverage
extending from the Santa Cruz mountains to Western Nevada, and about
equal coverage North and West out over the Pacific.

N9EGR in Milwaukee covers most of Northern Illinois, Southern Wisconsin,
and Michigan..

-=Paul Flaherty, N9FZX | Life is an inherent shift - reduce conflict.
->paulf@shasta.Stanford.EDU |

From -273221233491183487
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28c3893db0083e24
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 10:07:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!emory!gatech!
udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: AO13 (was Super Repeaters)
Message-ID: <817@idacrd.UUCP>
Date: 29 Nov 90 18:07:18 GMT
References: <115@thoreau.nsc.com>
Organization: idacrd, princeton, nj
Lines: 28
Posted: Thu Nov 29 19:07:18 1990

From article <115@thoreau.nsc.com>, by rtodd@thoreau.nsc.com (=Ron Todd):
>
> As a point of trivia, I've been wondering which single ham repeater has
> the largest coverage area accessable with ordinary equipment. This
>

Well a lo tof people there days have multimode rigs for VHF so I would say this is pretty ordinary equipment. Since I am closing in on DXCC on AO-13, I claim it has by FAR the best coverage ;-).

In the northern latitudes we are rapidly approaching 20+ hour days on AO-13 as a matter of course. At my latitude, 10 days out of 18 are 20+ hour days and this will increase. 20 hours of coverage of the globe. We're pretty proud of this. Come join us.

AMSAT
P.O. Box 27
Washington, D.C. 20044

Bob
N4HY

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From -2285873585588983819
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,adc08b2219c301f6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,adc08b2219c301f6,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-11-29 10:15:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!emory!gatech!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: Microsat bbs & DOVE question
Message-ID: <818@idacrd.UUCP>
Date: 29 Nov 90 18:15:10 GMT
References: <676@kb2ear.UUCP>
Organization: idacrd, princeton, nj
Lines: 45
Xref: gmdzi rec.ham-radio:17278 rec.ham-radio.packet:3126
Posted: Thu Nov 29 19:15:10 1990

From article <676@kb2ear.UUCP>, by n2aam@kb2ear.UUCP (Dave Marthouse N2AAM):

>
> Is the new software for using the microsats store and forward bbs on line?
>
> If so, can it be gotten via ftp? Any information would be appreciated.
>
> Dave Marthouse
>

Dave:

It is still in pretty rough shape. We are fixing bugs in it as I write this. We finally have it partially working with AEA tnc's. There is some problem with the way hardware handshaking is done in these units or in everybody elses unit. Also, AEA gives a much higher priority to commands than does anyone else. So when the latest version of the bulletin receiver code puts the TNC into kiss mode, since some of them must be followed by restart command, this is generic to the program. Because of AEA's higher priority to commands (user input really), the TNC stops processing the KISS ON command and immediately gives the foreground over to the new incoming command. When it is done receiving it, it sees that it is the second highest priority command (restart) and restarts the tnc without having EVER put the thing into kiss mode. This needs a 1 second delay added to overcome this problem (much less really but Unix time is given inside in 1 second blocks and is transportable across most systems). We are working as fast as volunteers can.

On DOVE:

Please contact G3ZCZ (lives in Md.) at N4QQ. His What's-Up program is the best in the business for decoding satellite telemetry for many birds INCLUDING DOVE. I strongly recommend it over either the one NK6K or I wrote for the Microsats.

73's
Bob
N4HY

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From -114269121547742076
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6906a1d64aa3485d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 10:37:33 PST
Path: gmdzi!unido!mcsun!uunet!mdcbbs.com!perschau
From: perschau@mdcbbs.com
Newsgroups: rec.ham-radio
Subject: Re: Space Shuttle Updates
Message-ID: <1990Nov29.113733.1231@mdcbbs.com>
Date: 29 Nov 90 18:37:33 GMT
References: <9011271139.aa05074@crdec7.apgea.army.mil>
Organization: McDonnell Douglas M&E, Cypress CA
Lines: 26

Posted: Thu Nov 29 19:37:33 1990

In article <9011271139.aa05074@crdec7.apgea.army.mil>,
wejones@CRDEC7.APGEA.ARMY.MIL ("William E. Jones III") writes:

> This may or may not be of interest to people, but in addition to the
> shuttle status reports posted to this group, there are "Shuttle Status" (ss),
> "Payload Status" (ps), "Launch Advisories" (la), "Headline News", etc
> available on ames.arc.nasa.gov (128.102.18.3) via ftp. The are in a
> directory pub/SPACE and are in files such as ss11.26.90 (which means
> shuttle status for 11/26/90). There are so many files in this directory

NASA also maintains a dialup-bbs with this info. They call it Spacelink. It's geared toward schoolteachers and has a lot of classroom activities and the like, but there are a lot of other neat things to be found. They have some programs for Apple IIs, Macs, and MSdos machines. They also have some GIF files from Voyager and Hubble. The Hubble shot of Saturn is great!

Anyhow the phone number is 205.895.0028. There is a short registration to go thru and you're on. Its a menu driven system, and they have X and Ymodem download.

Have fun!

Bob Perschau Jr.   INTERNET perschau@mdcbbs.com
UUCP uunet!mdcbbs.com!perschau
ETHERNET ka9art

From 6570650453891561899
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67bec31112a9bb6f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 11:41:49 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Info Request: Power Amps for Satelitte work
Message-ID: <1636@ke4zv.UUCP>
Date: 29 Nov 90 19:41:49 GMT
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 5
Posted: Thu Nov 29 20:41:49 1990

The classic favorite mode B amplifier is the Mirage/KLM D1010N. It's a linear 10 watt in 100 watt out amp. See the usual ham rags for the best price. Typically around $300.

Gary KE4ZV

From -6396757629760798036
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e64e132bb88a4f98
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 11:49:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!jws
From: jws@hpfcso.HP.COM (John Schmidt)
Newsgroups: rec.ham-radio
Subject: Re: RC-850 Controller Info Needed
Message-ID: <7500050@hpfcso.HP.COM>
Date: 29 Nov 90 19:49:21 GMT
References: <9011282105.AA25855@ucsd.edu>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 4
Posted: Thu Nov 29 20:49:21 1990

Why not consider the S-Com 7K instead of the 850? They're becoming the standard here in Colorado.

John Schmidt, NK0R

From -8910410067602824761
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,467d38ea99302c47
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 11:52:13 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!jws
From: jws@hpfcso.HP.COM (John Schmidt)
Newsgroups: rec.ham-radio
Subject: Re: 902-928mhz
Message-ID: <7500051@hpfcso.HP.COM>
Date: 29 Nov 90 19:52:13 GMT
References: <109@canada.sbi.com>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 8
Posted: Thu Nov 29 20:52:13 1990

Yes, 902-928 MHz is a ham band in most of the country as a secondary allocation. However, part 15 low-power devices such as wireless lans, VCR "repeaters", etc. are now allowed. They must not interfere with higher priority users and must accept any interference. (Yeah, right -- try telling that to the business next door when your rig wipes out their wireless lan.)

John, NK0R

From 1048006380767240732
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,a739d2e007c95072,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fd3ff,a739d2e007c95072,start
X-Google-Attributes: gidfd3ff,public
X-Google-Thread: 10e16d,a739d2e007c95072,start
X-Google-Attributes: gid10e16d,public
X-Google-Thread: 101376,a739d2e007c95072,start
X-Google-Attributes: gid101376,public
X-Google-Thread: 10001a,a739d2e007c95072,start
X-Google-Attributes: gid10001a,public
X-Google-ArrivalTime: 1990-11-29 12:53:01 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!mintaka!olivea!sun-barr!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!pacbell.com!pacbell!pbhyf!mbark
From: mbark@PacBell.COM (Michael Barkley)
Newsgroups: rec.ham-radio,rec.autos.driving,misc.emerg-services,ca.driving,ba.transportation
Subject: Petition to FCC to establish a CITIZENS' BAND RADIO TRAFFIC ADVISORY CHANNEL
Message-ID: <8348@pbhyf.PacBell.COM>
Date: 29 Nov 90 20:53:01 GMT
Followup-To: poster
Organization: Pacific * Bell, San Ramon, CA
Lines: 97
Xref: gmdzi rec.ham-radio:17298 rec.autos.driving:2524 misc.emerg-services:369
Posted: Thu Nov 29 21:53:01 1990

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PETITION (Addendum to Petition for Rulemaking, Docket # ______________)

To: The Honorable Commissioners of the Federal Communications Commission
1919 M Street N.W.
Washington, D.C. 20554

Date: ___________________

WE THE UNDERSIGNED hereby find:

--that during conditions of impaired visibility such as HEAVY FOG or blowing dust, in addition to excessive speed, absence of adequate information about the roadway ahead is a cause of regular, predictable massive vehicle pileups with great injury and loss of life,

--that Citizens Band Radio holds the possibility for reducing that toll by delivering timely information about roadway conditions,

--that lack of information about roadway conditions ahead in general contributes to much congestion, waste of time, excess consumption of fuel, and air pollution which could be avoided if drivers knew to take alternate routes,

--that the existing chaotic, conflicting usage of all CB channels other than Emergency Channel 9 prevents an organized effort to exchange such roadway condition information,

--that Emergency Channel 9 usage is limited to emergency information, excluding information that might prevent such emergencies in the first place,

THEREFORE, we the undersigned hereby support the Petition received September 11, 1990, FCC Docket # _______, petitioning the FCC to designate one of the existing Citizens' Band Radio channels as a "Traffic Advisory" channel with usage limited to warnings, advice, comments, questions, and answers about roadway conditions, and with enforcement provisions similar to those of the Channel 9 Emergency Channel but less restrictive.

```
>-------------------------------------------------------------------------<
| 1)  name (signed):             street/P.O. box:         |
|                                           |
|                                           |
---------------------------------------------------------------------------
| name (printed):           city/state/zip:               |
|                                           |
|                                           |
>-------------------------------------------------------------------------<
| 2)  name (signed):             street/P. O. box:        |
|                                           |
|                                           |
---------------------------------------------------------------------------
| name (printed):           city/state/zip:               |
|                                           |
|                                           |
>-------------------------------------------------------------------------<
| 3)  name (signed):             street/P. O. box:        |
|                                           |
|                                           |
---------------------------------------------------------------------------
| name (printed):           city/state/zip:               |
|                                           |
|                                           |
>-------------------------------------------------------------------------<
Info: Mike Barkley, 161 N. Sheridan Ave. #1, Manteca, CA 95336 209/823-4817
  [Submit with 1 extra copy to FCC at address at top.  Comments welcome.]

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As promised, I filed my petition with the FCC which they received on September 11 and promptly sent to the Private Radio Bureau where it sits on a stack of 20, first come, first serve. The word from them is that it's a year away from being assigned a docket number. Since we're talking public safety, I am displeased by the delay.

The petition itself is about 3/4 of an inch thick but I will send one to anybody who wants one. Above is a short form of it. There are enough of these out and around in this area for about 8,000 signatures. Most of them are in the hands of various REACT teams. I have a troff version I can send you if you like.

Last week the Manteca City Council unanimously approved a resolution with essentially the same language. I will post or send that also if anyone wishes. I've thrown together a 40" by 60" collage of multi-vehicle fog pileup news photos and news stories for public presentations and, along with several other members of Ripon REACT Team #4777 (which I've joined), I'm taking it to various City Councils and Boards of Supervisors up and down the Central Valley to request similar resolutions. The collage is quite effective. Let me know if you would like to cooperate on making such a presentation in your city and I'll see what I can do.

What I would like to do is keep a steady stream of these petitions flowing into the FCC so that by the time they get to it they will see that it has overwhelming support. If you support this concept, please bury the FCC with signatures.

Thank you.

--Mike Barkley

From 3621609034664902272
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96f96cb9808e4586
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 12:54:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!netcom!mojo
From: mojo@netcom.UUCP (Morris Jones)
Newsgroups: rec.ham-radio
Subject: Re: CW Questions from a novice
Keywords: CW
Message-ID: <17730@netcom.UUCP>
Date: 29 Nov 90 20:54:52 GMT
References: <815@idacrd.UUCP> <1990Nov29.033524.23715@informix.com>
Organization: Netcom- The Bay Area's Public Access Unix System {408 241-9760 guest}
Lines: 79
Posted: Thu Nov 29 21:54:52 1990

randall@informix.com (Randall Rhea) writes:
>I have been a ham for 8 months, and have upgraded to advanced class. Would
>you believe that I've never made a CW QSO?

Yes I would! Congratulations by the way, and I hope you enjoy trying CW.

Before answering specific questions, let me refer you to the article in December QST called "Your Novice Accent." It may answer your questions more completely. You'll also learn the most simply by listening.

>1) How do I answer a CQ? I hear a guy calling CQ, and I want to answer him,
>but how? What do I send? Like I say, I'm pretty ignorant.

Say I call CQ like this (typical): CQ CQ CQ DE AA4KB AA4KB AA4KB K

--

You answer like this: AA4KB DE KK6MY KK6MY AR
(The AR is a prosign, sent run together, no space between. didahdidahdit.)

>2) On what frequency do I answer the CQ? If I hear him, do I answer him on
>that frequency, or do I move the dial until his tone is at the lowest point?

You want to answer him on the frequency he's using. That's tricky on a transceiver. His frequency is your dial reading plus (or minus) the audio note you're listening to. The audio note is generated by the difference between his frequency and your BFO.

Most all transceivers provide CW sidetone which is identical to the CW "offset" they use to determine your CW transmitting frequency. So the best way to call him on his frequency is to tune the transceiver so that the note you hear matches the note of your sidetone. (How's your musical pitch memory?)

Some rigs get fancier than that. I'm currently borrowing a Yaesu FT-980. It has a button labeled "CW CAL" which generates a tone equal to the CW sidetone. I can then "zero beat" the incoming signal with the sidetone and know that I'm exactly on his frequency. It also lets me switch between a 500, 600, or 700 Hz offset/sidetone/note.

Be aware that listening to a lower pitch note on CW gives you better discrimination in the event of QRM from nearby stations. It's a real advantage. 500 Hz is a good frequency to listen to.

(The exception to answering on his frequency is working a DX station in a pileup. For that it's best to call up frequency a little bit, and he'll usually listen up frequency a little, so his signal isn't so badly QRM'd by the pileup.)

>3) Which bands would you recommend for a beginner? Obviously, the novice
>sections of the bands are good. I like 40 meters, but broadcast stations
>usually obliterate the band.

40 meters is really an excellent band, day or night. You might like 80 meters as well, if you can put up an antenna for it. Otherwise 15 is great during the daytime. Hard to say. :)

I suggest that you try 40 meters at night anyway, because you can work well between the broadcast stations. Good practice at using your narrow CW filters as well. If you stay up very late, the European broadcast QRM dies down quite a bit, and the band is even nicer. In the wee hours of the morning it's populated with JA's and VK's in the lower 100 kHz.

How to procede with the QSO once you've started ... remember that your first exchange should include the following information in its order of priority: His RST, your QTH, your name. Typically you'll end the text of your transmission like this:

```
                    __                        __
HW? (or SO HW CPY?) AR AA4KB DE KK6MY K  (or KN)
                                                              __
```

Not much need for punctuation ... separate thoughts using the BT prosign.

Say, would you like a sked? I've been working a lot of 40 CW lately, and
love to crank the keyer down and head up to the novice band.

73, Mojo AA4KB

```
--
mojo@netcom.UUCP          Site Coordinating Instructor, San Jose South
Morris "Mojo" Jones       Skilled Motorcycling And Rider Training (S.M.A.R.T.)
Campbell, CA              800-675-5559 ... 800-CC-RIDER ...  408-423-2212
AA4KB @ N6LDL.#NOCAL.CA.USA.NA / aa4kb.ampr.org / netcom!mojo@apple.com
```

From 3920720831017324672
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c6dc677f448b66d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 13:01:55 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!kline
From: kline@ux1.cso.uiuc.edu (Charley Kline)
Newsgroups: rec.ham-radio
Subject: Re: VLF Aircraft Radio Beacons
Keywords: VLF Beacons
Message-ID: <1990Nov28.223556.6329@ux1.cso.uiuc.edu>
Date: 28 Nov 90 22:35:56 GMT
References: <4251@radio.oakhill.UUCP> <4377@lib.tmc.edu> <4378@lib.tmc.edu>
Organization: University of Illinois at Urbana
Lines: 20
Posted: Wed Nov 28 23:35:56 1990

jmaynard@thesis1.hsch.utexas.edu (Jay Maynard) writes:
>I forgot to mention one thing: LOMs and LMMs have a 2-character ID, while the
>others have a 3-character ID. Also, MHW-class beacons seem to be the most
>common in a quick glance through my South Central A/FD.

Just in case anyone really wants to try to DX these things, the compass locators (with the two-character ID) follow a naming pattern that would help you figure out where they are if you have access to a mapping between airport locations and their three-letter identifiers (one such is available by anonymous ftp from uxc.cso.uiuc.edu in pub/nws-city-ids.Z.

LOM's id with the first two letters of the airport identifier that is being served by the marker; LMM's id with the last two. For instance, here in Champaign IL, the airport identifier is CMI, so the LOM id's as "CM". If we had a LMM (we don't), it would id as "MI".

```
____________________________________________________________________________
Charley Kline, KB9FFK, PP-ASEL                                c-kline@uiuc.edu
University of Illinois Computing Services                 Packet: kb9ffk@w9yh
1304 W. Springfield Ave, Urbana IL  61801                      (217) 333-3339
```

From -1860916267210526894

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7295d138fa246f39,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 13:40:24 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!agate!
ucbvax!UNLVM.BITNET!MARC003
From: MARC003@UNLVM.BITNET ("Randy Bradley ", waiting still)
Newsgroups: rec.ham-radio
Subject: Internet <---> Packet
Message-ID: <9011292352.AA20828@ucsd.edu>
Date: 29 Nov 90 21:40:24 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Thu Nov 29 22:40:24 1990
```

Perhaps the greatest value to hams of such a link as is being discussed would be that hams on a packet network could have access to the vast wealth of information and resources on the internet. I fail to see much value of the average, non-ham, internet user being able to access the packet network's relatively meager resources at this time. Therefore, I would suggest that a solution to this debate would be that initial software on the gateways allow packet network operators (legal by definition:-) access to the internet, however, restrict internet users from accessing the packet network.

I know, I know... (but I want to access my home computer from work:-() well, the gatekeeper could set up passwords, secutity locks, etc. and only allow access to the packet network after verification that the accessee is truely a licensed ham.

(a true programmer will spend days creating software to save 15 minutes once!-)

```
From 3288478064661213686
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-29 14:12:45 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!sun-
barr!newstop!west!L1-A.West.Sun.COM!flloyd
From: flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242)
Newsgroups: rec.ham-radio
Subject: Files available from Kenwood
Message-ID: <1231@west.West.Sun.COM>
Date: 29 Nov 90 22:12:45 GMT
References: <901125190431.20417607@STAR.TAMU.EDU> <14208@crdgw1.crd.ge.com>
<568@ssc.UUCP>
Sender: news@west.West.Sun.COM
Organization: Sun Microsystems, Phoenix, AZ
Lines: 224
Posted: Thu Nov 29 23:12:45 1990
```

I dialed into the Kenwood BBS (213) 761-8284 and was quite pleased with the depth of the info on line. Here's a sample:

The following is a copy of the file reflst2.doc which is a list of service bulletins by model number. Each has a file name of sbxxx.doc where xxx is the bulletin number. Use zeros to fill the unused positions - i.e. number 35 would be sb035.doc.

I found that some of the files were missing, but I'm sure that they can be requested.

AT-930	877	SERVICE NOTES
BS-8	41	ALIGNMENT WITH TS-180S
DG-1	19	NEW DISPLAY TUBE
DG-1	26	SERVICE NOTES
DG-1	53	STANDARD SERVICE
DG-5	25	REPAIR
DG-5	28	REPAIR NOTES
DG-5	29	THEORY OF OPERATION
DG-5	54	STANDARD SERVICE
DK-520	62	DG-5 USE WITH TS-511/TS-900/T/R-599
DS-2	842	REPLACEMENT FOR DS-1A
HMC-1	914	NOT TO BE USED WITH TH-205AT/TH-215A
MC-45	35	MODIFICATION FOR USE WITH TR-7400A
MC-46	852	DTMF OPERATION WITH OLDER EQUIPMENT
MC-55	953	CHANGE IN MIC ELEMENT (T91-0328-08)
PS-430	938	VOLTAGE INCREASE WITH TH-205/215
PS-50	916	IMPROVED VOLTAGE SURGE PROTECTION
QR-666	3	VFO STABILITY
R-1000	805	MUTING
R-1000	813	AGC AM BANDWIDTH CHANGES
R-1000	823	RF ATTENUATOR 10dB STEP OPTION
R-5000	919	NO FREQ CHANGE BY COMPUTER INTERFACE
R-599A/D	8	SERVICE NOTES
R-599A/D	31	REMOVING CB BAND
RC-10	922	HANG UP TIME/TIMEOUT TIMER SETTINGS
RC-10	927	ALTERNATOR NOISE
RM-76	33	FREQUENCY ERROR WITH TR-7600/7625
RM-76	59	BATTERY BACK-UP POWER
RM-76	802	MICROPROCESSOR FAILURE
SM-220	57	SHIELD INSTALLATION
SM-220	66	FEEDBACK FROM BS-8
SMC-25	864	MODIFICATION FOR USE WITH THE TR-2400
T-599A/D	7	SERVICE NOTES
T-599D	6	CHAIN DRIVE MODIFICATION
T-599D	17	REDUCING 120Hz HUM
TH-205	945	SIGNAL TO NOISE RATIO IMPROVEMENT
TH-205/215	920	PROTECTION FUSE REPLACEMENT WITH DIODE
TH-205/215	944	VOLUME/SQUELCH CONTROL IMPROVEMENT
TH-215/415	946	TX SIGNAL TO NOISE RATIO IMPROVEMENT
TH-25/45	932	W/TSU-6 TONE ALERT IMPROVEMENTS

TH-25/45	939	AUTOMATIC POWER OFF
TM-201/401	880	INCREASED TX AUDIO
TM-211/411	897	AF GAIN CONTROL PART CHANGE
TM-221A	933	NO TX IN HIGH POWER DUE TO VOLTAGE DROP
TM-221A	934	FINAL MODULE HINTS
TM-2550	904	DCL CALL SIGN DATA
TM-2570	906	LOW TX POWER OUTPUT
TM-321A	935	LOSS OF TX AUDIO WITH MC-48B
TM-3530A	925	NOISY TRANSMIT
TM-411	892	LOW/NO RECEIVER SENSITIVITY
TM-721A	930	MICROCOMPUTER LOCK-UP
TM-721A	931	LOW/NO VHF TRANSMIT POWER
TM-721A	936	S-METER DEFLECTION DUE TO PULSE NOISE
TM-721A	937	AF PA WHITE NOISE WITH SQUELCH ON
TR-2200A	11	ANTENNA ADAPTER
TR-2200A	22	SERVICE NOTES
TR-2400	58	TONE ENCODER RFI
TR-2400	807	OPTIONAL CHARGE INPUT PROTECTION
TR-2400	808	OFFSET FAILURE
TR-2400	809	UNWANTED NOISE: TONE OR BURST AT TX
TR-2400	810	DISPLAY OR KEYBOARD TROUBLE
TR-2400	811	RX LOW INTERMITTENT OR DISTORTED
TR-2400	814	UNLOCK
TR-2400	815	PULSE NOISE
TR-2400	818	SCRATCHY TX
TR-2400	819	VOLUME CONTROL REPLACEMENT
TR-2400	822	BATTERY CHARGER FAILURE
TR-2400	830	TX NOISE
TR-2500	858	RX IMD IMPROVEMENT
TR-2600A	901	PLL UNLOCK (TROUBLESHOOTING)
TR-2600A	903	PLL UNLOCK
TR-7200A	23	SERVICE NOTES
TR-7400A	10	FINAL UNIT ARCING
TR-7400A	18	SERVICE NOTES
TR-7400A	32	CHANGES IN PD UNIT
TR-7400A	34	METER LAMP LONGER LIFE
TR-7600/7625	39	ALTERNATOR WHINE
TR-7600/7625	45	AUDIO TONE ON TX
TR-7600/7625	50	OPTIONAL CERAMIC FILTER
TR-7600/7625	65	RF POWER MODULE RETURNS (OBSOLETE)
TR-7600/7625	806	MEMORY BATTERY BACK-UP
TR-7625	804	INTERMITTENT TX
TR-7625	820	FINAL MODULE REPLACEMENT
TR-7625	826	HYBRID AMPLIFIER MODULE SUBSTITUTION
TR-7730	854	TX FREQUENCY RESPONSE VOICE OR DTMF
TR-7800	828	TONE PAD CONVERSION FOR 4th COLUMN FUNCTION
TR-7800	829	MEMORY LOSS SUPERSEDED BY SB-861
TR-7800	834	PULSE NOISE
TR-7800/7850	860	MEMORY CH. 7 INDICATOR ERRATIC
TR-7800/7850	861	MEMORY IMPROVEMENTS
TR-7800/9000	833	OPTIONAL CERAMIC FILTERS
TR-7850	846	RF LED METER (LOW READINGS)
TR-7930/7950	870	RX INTERFERENCE

TR-8300	16	ALIGNMENT
TR-8400	843	SUB-AUDIBLE ENCODER INSTALLATION
TR-8400	845	RX INTERNAL SPURIOUS SIGNALS
TR-8400	853	TX FREQ RESPONSE VOICE OR DTMF
TR-8400	855	TRANSMIT DELAY TIME
TR-9000	824	CW/SSB TX INSTABILITY
TR-9000	825	TX PULSE NOISE IN SSB
TR-9000	849	TRANSMITTER SIDEBAND CARRIER BALANCE
TR-9000	859	TEMPERATURE STABILITY IMPROVEMENT
TR-9130	871	LOW DRIVE LEVEL
TS-120S	37	VOX OPERATION PICK-UP TIME
TS-120S	38	FINAL TRANSISTOR REPLACEMENT
TS-120S	40	ANTENNA INPUT TRANSFORMER REPLACEMENT
TS-120S	48	HUM IN SSB TX
TS-120S	51	FINAL PROTECTION
TS-120S	64	FULL CW OUTPUT IN SSB MODE (USE SB-
TS-120S	801	TX OSCILLATION (USE SB-844)
TS-120S	816	BAND PASS FILTER CHANGE
TS-120S	827	VFO STABILITY
TS-120S	821	TX OSCILLATION (USE SB-844)
TS-120S	831	ANTENNA INPUT TRANSFORMER REPLACEMENT
TS-120S	832	FULL CW OUTPUT IN SSB MODE (USE SB-844)
TS-120S	844	TX OSCILLATION
TS-120S/180S	44	PHONE PATCH TERMINAL ADDITION
TS-140S	928	INTERMITTENT LOSS OF TRANSMIT POWER
TS-140S	929	MOMENTARY TX WHEN VOX IS TURNED ON
TS-180S	36	DFC HUM WITH PS-30
TS-180S	42	IF #2 OUTPUT LEVEL CHANGE
TS-180S	47	INCREASE OF RX AUDIO OUTPUT
TS-180S	55	LOW 40 MTR ALC
TS-180S	56	DFC
TS-180S	61	TROUBLE SHEET
TS-180S	67	DFC INSTABILITY
TS-180S	803	CW DELAY DURING VOX MEMORY OPERATION
TS-180S	817	USE WITH A LINEAR AMPLIFIER
TS-180S	839	VFO STABILITY
TS-180S	850	LOW PASS FILTER OPTIONAL CHANGES
TS-430S	865	500KHz HETERODYNE
TS-430S	882	NOTCH CONTROL
TS-430S	883	AM WIDE/NARROW FILTER SELECTION
TS-430S	885	RECEIVER INTERNAL BEAT
TS-430S	887	NOISE BLANKER IMPROVEMENTS
TS-430S	888	INTERMITTENT PLL UNLOCK IN FM/AM
TS-430S	891	PLL UNLOCK AT HIGH TEMP. (USE SB-895)
TS-430S	895	PLL UNLOCK AT HIGH TEMPERATURES
TS-430S	902	LOW/INTERMITTENT RX
TS-440S	947	OPERATION WITH THE MC-85
TS-440S	948	NOTCH FILTER LOW FREQUENCY IMPROVEMENTS
TS-440S	949	PROTECTING Q33
TS-440S	950	CASE SCREWS BINDING IN THE HEAT SINK
TS-440S	952	INTERMITTENT OPERATION (REMOVE SOCKET)
TS-520	2	NOVICE OPERATION (75 WATTS)
TS-520	4	AM BROADCAST INTERFERENCE

TS-520	21	SERVICE NOTES
TS-520	63	IF OUTPUT FOR SM-220
TS-520(S)	46	CW FREQUENCY SHIFT
TS-520(S)	52	BS-5 SWEEP INTERFERENCE
TS-520S	43	-6VDC SUPPLY FAILURE
TS-520S/820S	812	CW FILTER SELECT CONTROL
TS-530S	848	LOW VOLTAGE SUPPLY OPTIONAL IMPROVEMENTS
TS-530S	878	IF UNIT Q2-Q7 PROTECTION
TS-660	856	MICROPROCESSOR LATCH-UP
TS-700A	20	SERVICE NOTES
TS-700A	5	REPEATER MODIFICATION (EUROPE)
TS-700A	27	9 VOLT REGULATOR REPLACEMENT
TS-820	12	AUX BAND INSTALLATION (RX ONLY)
TS-820	13	RIT MODIFICATION
TS-820	14	MICROPHONE INPUT ATTENUATOR
TS-820S	9	SPEECH PROCESSOR ALIGNMENT
TS-820S	24	SERVICE NOTES
TS-820S	30	GENERAL ALIGNMENT PROCEDURES
TS-820S	954	TA7201P SUBSTITUTION PARTS KIT
TS-830S	837	OPERATION ON 240V AC
TS-830S	840	FREQUENCY SHIFT
TS-830S	847	LOW VOLTAGE SUPPLY OPTIONAL IMPROVEMENTS
TS-830S	851	NOISE BLANKER OPTIONAL IMPROVEMENTS
TS-830S	857	TRANSMITTER "TALKBACK"
TS-930S	863	INCORRECT LINE VOLTAGE SETTING
TS-930S	866	CW HETERODYNE TONE
TS-930S	867	SSB TX TONE QUALITY
TS-930S	868	LOW RX SENSITIVITY
TS-930S	869	PLL UNLOCK
TS-930S	872	CW PITCH TONE SHIFT
TS-930S	873	CW VBT
TS-930S	874	RF FEEDBACK
TS-930S	875	RX AUDIO OSCILLATION
TS-930S	876	RF FEEDBACK INTO MIC CIRCUIT
TS-930S	879	ALC LEVEL DRIFT 28 MHz CW
TS-930S	881	POWER SUPPLY SURGE PROTECTION
TS-930S	884	15 MTR INTERNAL BEAT NOTE
TS-930S	886	INTERMITTENT TX POWER OUTPUT
TS-930S	893	NOISY POWER SUPPLY FAN
TS-940S	896	LCD CLOCK DISPLAY ERRATIC OPERATION
TS-940S	900	PLL UNLOCK
TS-940S	907	ANTENNA TUNER RELAYS
TS-940S	908	PLL UNLOCK
TS-940S	909	AVR UNIT CAPACITOR CHANGE
TS-940S	910	AGC CIRCUIT IMPROVEMENTS
TS-940S	912	TRANSMITTER HUM IN SSB
TS-940S	913	SIGNAL TO NOISE RATIO IMPROVEMENT
TS-940S	917	VCO CARRIER TO NOISE RATIO IMPROVEMENT
TS-940S	918	SQUELCH SWITCHING NOISE
TS-940S	921	SSB TALK POWER IMPROVEMENT
TS-940S	951	ERRATIC DISPLAY (REMOVE SOCKET)
TW-4100A	926	REPEATER STOP SCAN ON THE UHF BAND
VFO-120	862	DIAL LAMP SWITCHING CIRCUIT

VFO-230	838	OPERATION ON 240V AC
VOX-3	15	SENSITIVITY AND DELAY
	49	UHF/VHF OPTIONAL FILTER LIST
	905	COAX CABLE W/PLUG LIST
	941	SERVICE MANUAL RX SECTION LEVEL DIAGRAMS
	942	SERVICE MANUAL TX SECTION LEVEL DIAGRAMS

```
--
| Fred Lloyd  AA7BQ                            flloyd@West.sun.com |
| Sun Microsystems, Inc.                                ...sun!flloyd |
| Phoenix, AZ                                                      |
```

From 4915444745287282525
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7d730f11bdaf2376
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-21 04:58:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!usc!sdd.hp.com!hplabs!hpda!hpwala!hpnjld!eyg
From: eyg@hpnjld.HP.COM (Ed Gilbert)
Newsgroups: rec.ham-radio
Subject: Re: Re: Questions on Phased Verticals (long)
Message-ID: <4140024@hpnjld.HP.COM>
Date: 21 Nov 90 12:58:31 GMT
References: <1250275@hpnmdla.HP.COM>
Organization: Hewlett Packard NJD, Rockaway NJ
Lines: 18
Posted: Wed Nov 21 13:58:31 1990

>Note that the feedpoint impedance of the two antennas will not be the
>same. If you just run a 1/4 wave feedline between them, then even if
>you do somehow get the total feedpoint impedance to equal 50 ohms,
>you almost for sure will not have equal currents in each antenna.
>
>Here's how I would do it. Build a matching network at the base of
>each antenna (PI-network, or whatever). Match each antenna to 50
>ohms (with SWR meter) with the other antenna disconnected (open).

I've often thought about this problem, and I keep running into the same question. How do you guarantee that the phase shifts through both matching networks are identical? As you said, the feed point impedances of the two antennas will probably not be the same, so even if you used a simple L-network for matching, the phase shifts would not be identical. Any significant difference in phase shifts will ruin the pattern of the array.

Ed Gilbert, WA2SRQ

From -33371499953825160
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2fc7c38e8fdf60a

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-21 07:34:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ncar!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Preliminary call for discussion: rec.ham-radio legal
Message-ID: <5497@qip.UUCP>
Date: 21 Nov 90 15:34:19 GMT
References: <11470.2746eb6e@ecs.umass.edu>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 40
Posted: Wed Nov 21 16:34:19 1990

In article <11470.2746eb6e@ecs.umass.edu> scott@ecs.umass.edu writes:
]I would like to see some specific reasons for the establishment of yet another
]ham group. Proponents should take advantage of the opportunity to lay out all
>their reasons for such. I get the feeling that some folks are outraged by any
>sort of controversy - they call it "flaming". Everything that is not milky
>bland or highly technical or supportive of the (genuflect) ARRL is to be
>shunned by the enlightened - right?

Where do you get off assuming this sort of nonsense? I am infavor of
such a group, and I LOVE controversy.

>Come on folks, let's not become too stultified. Sure, the code-no code
                        ^^^^^^^^^^
That's why were trying to move the never ending, no new ideas circular
discussions to another group.

>discussion seems unending. So what? I would really prefer to exclude all the
>mentalities that are horrified ("bored") by controversy. Reasoned arguments

Once again, you seem to be a bit confused about motives, and perfectly willing
to make ad-hominem attacks on those who support this idea. If this is your
idea of controversy, bug off.

>are the spice of life. Even the Russians are able to disagree now without
>being sent to Siberia!

Yep - so let's hear some of your reasons, rather than just ad-hominem
flaming, OK?

By the way - next time you see an original thought in the code/no-code
debate, why not let us know? I haven't seen one in a long time.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

Disclaimer: The opinions expressed here are all my fault, and no one elses.

From -7929566691715693045
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85d6ffde6724df46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-21 07:47:01 PST
Path: gmdzi!unido!mcsun!ukc!warwick!esrmm
From: esrmm@warwick.ac.uk (Denis Anthony)
Newsgroups: rec.ham-radio
Subject: Re: Calling Moscow
Message-ID: <1990Nov21.154701.26506@warwick.ac.uk>
Date: 21 Nov 90 15:47:01 GMT
References: <1990Nov13.175235.27345@warwick.ac.uk>
<1990Nov13.180751.27929@warwick.ac.uk>
Sender: news@warwick.ac.uk (Network news)
Organization: Computing Services, Warwick University, UK
Lines: 15
Posted: Wed Nov 21 16:47:01 1990

In article <1990Nov13.180751.27929@warwick.ac.uk> esrmm@warwick.ac.uk (Denis Anthony) writes:
>
>
>I wonder if there is anybody in Moscow who reads this net , particularly
>at Moscow Telecommunications Institute , as it would be extremely
>useful to be able to send e-mail to some hams there.
>
>I am mailing this for a friend Simon Browne,G0GWA, I shall however
>"bounce" any messages to him on his mainframe
>(we are having difficulties with it just now)

Could the person who replied with some information on, or anybody else who may know about ussr-l let me know the whereabouts of the node where the list resides , and whether it is on bitnet.Thanks very much.

From -1729744777976658874
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dcd5a07d836384f9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-21 08:03:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!pacbell.com!ames!haven!mimsy!midway!ellis.uchicago.edu!pbhx
From: pbhx@ellis.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: IC-32AT Mod for out of band transmit
Message-ID: <1990Nov21.160352.22065@midway.uchicago.edu>
Date: 21 Nov 90 16:03:52 GMT
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago

Lines: 14
Posted: Wed Nov 21 17:03:52 1990

I have the instructions for the mod to allow out of band transmit for the 32AT, but I wondered if there was anyone here who had done it. I would like to learn of your experience before I go ahead.

(Yes, yes, I know this is all wrong, type-accepted radios, etc., but I want to have a backup to my marine radio in case it goes out just when I need it -- as it did once.)
--

Peter B. Hayward N9IZT
University of Chicago Computing Organizations

From -8387093522368548984
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2fc7c38e8fdf60a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-21 08:14:24 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!sun-barr!newstop!jaytee!hienergy!jimv
From: jimv@hienergy.East.Sun.COM (Jim Vienneau - Sun Microsystems)
Newsgroups: rec.ham-radio
Subject: Re: Preliminary call for discussion: rec.ham-radio legal
Message-ID: <3409@jaytee.East.Sun.COM>
Date: 21 Nov 90 16:14:24 GMT
References: <11470.2746eb6e@ecs.umass.edu> <1557@ke4zv.UUCP> <1990Nov20.172750.20514@wdl1.wdl.fac.com>
Sender: news@East.Sun.COM
Reply-To: jimv@east.sun.com (Jim Vienneau - Sun Microsystems)
Organization: Sun Microsystems, Billerica MA
Lines: 14
Posted: Wed Nov 21 17:14:24 1990

>How about rec.ham-radio.tech? Leave the endless discussions here rather
>than try to get them to move.
>
>Dave KE6ZE

YES! YES! YES! DO IT! The endless drival in this newsgroup is making it impossible to read. Who cares about nocode, ordering pizza, 8mm camcorders, etc, etc, etc. Maybe this group would have a useable S/N ratio!

Jim Vienneau, Sun Microsystems Inc - Billerica, MA
Email: jvienneau@east.sun.com Amateur Radio: WB1B
Good old Ma Bell (well old anyway): (508)671-0372

From 16224276182789446664
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,adca5c826e0fe9a2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-21 09:21:14 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!network.ucsd.edu!dcdwest!plb
From: plb@dcdwest.uucp (Phil Blais)
Newsgroups: rec.ham-radio
Subject: Re: more on the WAZ award
Keywords: modes and fragmentation
Message-ID: <1990Nov21.172114.7528@dcdwest.uucp>
Date: 21 Nov 90 17:21:14 GMT
References: <39972@ut-emx.uucp>
Organization: ITT Defense Communications Division - West
Lines: 33
Posted: Wed Nov 21 18:21:14 1990

In article <39972@ut-emx.uucp> oo7@ut-emx.uucp (Derek Wills) writes:
>
> [LOTS DELETED}
>
> Incidentally, to those of you who want to fragment wreck.ham-radio even
>further, where would the above posting go, in your view?
>
> [MORE DELETED]

Bravo Derek! But why stop with ham.radio-ostrich ;-) how about:

ham.radio-dx
ham.radio-contest <Maybe this one shud be ham.radio.QRM>
ham.radio-code-nocode
ham.radio-antennas
ham.radio-flame
ham.radio-lids
ham.radio-gods.major
ham.radio-gods.minor
...ad nauseam...

See the beauty of this? Then we wouldn't need ham.radio-ostrich ;-)
Come on people, variety is the spice of life as they say, if you don't
like a certain topic theres always the 'n' key, rn macros, kill files
etc. etc. I for one don't believe there is any need to further fragment
this news group. Of course I like hot and spicy Mexican food also and
I realize there are lots of people who don't get much past milk and
cookies :-)
73...
--
phil blais N6KXD (ex WD6ETL) ITT Aerospace Communications Division
dcdwest!plb@ucsd.edu DEFENSE 10060 Carroll Canyon Road
ucbvax!ucsd!dcdwest!plb San Diego, CA 92131

From -1393350271625601833
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7d730f11bdaf2376
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-21 09:40:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!bionet!synoptics!jkaidor
From: jkaidor@synoptics.COM (Jerome Kaidor)
Newsgroups: rec.ham-radio
Subject: Re: Questions on Phased Verticals (short)
Summary: Antenna works great: why fix it?
Message-ID: <22101@mvis1.com>
Date: 21 Nov 90 17:40:33 GMT
References: <8304@gollum.twg.com> <1250275@hpnmdla.HP.COM>
Organization: SynOptics Communications Inc. Mountain View, Ca.
Lines: 5
Posted: Wed Nov 21 18:40:33 1990

I must be missing something in this discussion. Didn't the original poster say that the antenna works _GREAT_?

- Jerry Kaidor, KF6VB

From -400900941882559258
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,21b5a1dc1fb8cbe0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-21 09:42:49 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!ron
From: ron@hpfcso.HP.COM (Ron Miller)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <7500047@hpfcso.HP.COM>
Date: 21 Nov 90 17:42:49 GMT
References: <9011202127.AA09498@tilde>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 29
Posted: Wed Nov 21 18:42:49 1990

Re: Less Than Clean Fists

>
>
> BTW, what's wrong with a using a little patience? If the idea is to communicate with other Hams while increasing BOTH our skills, I see no reason to beg off so suddenly. You could also ask how he's sending at such a diff-

> erent fist. IMHO most wouldn't mind telling you that they were not too
> good on the key and wanted to make some of the QSO easier for you. Right
> after that, they may also say that they are working to improve their fists.
>
> Let's give 'em some encouragement, not harassment.
>
> 73,
> Dube   N5PDK

Indeed! You might find that the person with the rough fist is physically
handicapped and might, in reality, be sending with his left foot!
No kidding!

If so, the other party might appreciate the comment on
readibility... especially if you're the first one to try to hang in there
with them. If all others have disappeared, they may be wondering if
hams are friendly.......

Ron
NW0U

From 2484778812752322
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b4f79ab584390a8f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,b4f79ab584390a8f
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-11-21 10:42:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!bcm!dimacs.rutgers.edu!aramis.rutgers.edu!gauss.rutgers.edu!
math.rutgers.edu!cromar
From: cromar@math.rutgers.edu (Scott Cromar)
Newsgroups: rec.ham-radio,sci.space
Subject: Re: Congrats to Ted Molczan
Message-ID: <Nov.21.13.42.31.1990.19877@math.rutgers.edu>
Date: 21 Nov 90 18:42:32 GMT
References: <4213@otis.oakhill.UUCP> <15754@venera.isi.edu>
Followup-To: rec.ham-radio
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 17
Xref: gmdzi rec.ham-radio:17114 sci.space:17737
Posted: Wed Nov 21 19:42:32 1990

In article <15754@venera.isi.edu> rogers@wlf.isi.edu (Craig Milo Rogers) writes:

; In article <4213@otis.oakhill.UUCP> charlie@oakhill.UUCP (Charlie Thompson)
writes:
; >I picked up a copy of the Washington Post today and noticed
; >that fellow satellite chaser Ted Molczan made the 'Around the Nation'
; ...
;
;   I noticed a similar article in the Los Angeles Times. It was

; attributed to United Press International. Do you suppose UPI treats
; the Usenet as an incoming newsfeed?
;
;   Craig Milo Rogers

CNN also mentioned this during their coverage of the shuttle landing.

-Scott Cromar
cromar@math.rutgers.edu

From -6664077052175830215
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,615ec79ac75fd7c3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-21 12:45:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!usc!apple!bionet!synoptics!
From: jkaidor@ (Jerome Kaidor)
Newsgroups: rec.ham-radio
Subject: Two-meter antennas
Message-ID: <22102@mvis1.com>
Date: 21 Nov 90 20:45:01 GMT
Sender: jkaidor@synoptics.COM
Lines: 15
Posted: Wed Nov 21 21:45:01 1990

Followup-To:
Distribution: world
Organization: SynOptics Communications Inc. Santa Clara, Ca.
Disclaimer: Sender is *solely* responsible for the contents of message
Keywords:

Some time ago, someone posted plans for a two-meter co-linear vertical. It was made of pieces of coax soldered up together (short here, don't short there, reverse the shield here, etc). I saved a copy, but seem to have misplaced it. Anyway, now I need a roof-mount antenna. I'm getting started in packet, and I discover that it's done simplex, and the ole 1-watt-to-a-rubber-duckie just won't cut it anymore. So does anybody have that article?

- Jerry Kaidor, KF6VB

From -2401026137377349250
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a8d14d39c39a7966
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-21 12:57:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio

Subject: ARRL news
Message-ID: <1911@n8emr.UUCP>
Date: 21 Nov 90 20:57:38 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 40
Posted: Wed Nov 21 21:57:38 1990

From n8emr!W8PH Mon Nov 19 21:34:43 1990
Return-Path: <n8emr!W8PH>
Message-Id: <m0ibMq6-0001RcC@n8emr.uucp>
[Date: Mon, 19 Nov 90 20:37 EST
[To: <ALL@ARRL>
R:901120/0039z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:12869 Z:43232
R:901120/0024 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:52383 Z:43103
R:901119/1618 @:WB8JIB.#DAY.OH.USA.NA Yellow Springs #:10190 Z:45387

PROPAGATION FORECAST BULLETIN 47 ARLP047
FROM ED TILTON, W1HDQ
SPRING HILL FL NOVEMBER 19, 1990
TO ALL RADIO AMATEURS

THE SOLAR FLUX WAS DOWN TO 140 ON NOVEMBER 2 BUT IT ROSE RAPIDLY, REACHING 215 ONLY FIVE DAYS LATER. IT DROPPED BACK TO 186 BY NOVEMBER 13, BUT RECOVERED QUICKLY AGAIN, RISING TO 223 BY THE 17TH. THIS WAS THE HIGHEST FLUX READING SINCE THE MIDDLE OF OCTOBER.

TWO LARGE SPOT GROUPS THAT CAME INTO THE EAST LIMB OF THE SUN ON THE 14TH SEEMED TO BE THE MAIN SOURCE OF THE RISE. EARLIER GROUPS THAT WERE RESPONSIBLE FOR THE 215 PEAK ON THE 7TH DISAPPEARED AROUND THE WEST LIMB EARLIER IN THE MONTH.

NEITHER OF THE FLUX PEAKS WAS ANYTHING LIKE THE OUTBREAK THAT PRODUCED THE SURPRISE PEAK OF 315 BACK IN AUGUST, BUT THAT CAME AT THE WRONG TIME OF YEAR TO DO MUCH GOOD FOR DXERS.

IF THE REST OF NOVEMBER FOLLOWS RECENT MONTHLY TRENDS, WE CAN EXPECT LOWER FLUX LEVELS THIS WEEK, AND PROBABLY THROUGH THE REST OF THE MONTH. THIS WOULD HAVE LITTLE EFFECT ON THE MAJOR DX BANDS, BUT IT MAY SLOW DOWN DX ACTIVITY ON 50 MHZ, AND POSSIBLY 28 MHZ, ESPECIALLY IN THE LAST DAYS OF THE MONTH.

AMERICAN SUNSPOT NUMBERS FOR NOVEMBER 8 THROUGH 14 WERE 199, 156, 125, 98, 108, 110 AND 115 RESPECTIVELY, WITH A MEAN FIGURE OF 130.1. SOLAR FLUX NUMBERS AS REPORTED BY WWV FOR THE SAME TIME PERIOD WERE 212, 202, 193, 197, 194, 186 AND 201, WITH A MEAN FIGURE OF 198.

From -1411127154783237147
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a8d14d39c39a7966

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-21 12:58:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1912@n8emr.UUCP>
Date: 21 Nov 90 20:58:01 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 44
Posted: Wed Nov 21 21:58:01 1990

Return-Path: <n8emr!W8PH>
Message-Id: <m0ibn4l-0001ETC@n8emr.uucp>
[Date: Wed, 21 Nov 90 00:35 EST
[To: <ALL@ARRL>
R:901121/0513z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:12957 Z:43232
R:901121/0455 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:52760 Z:43103
R:901121/0213 @:WB8JIB.#DAY.OH.USA.NA Yellow Springs #:10369 Z:45387


ARRL BULLETIN 49  ARLB049
FROM ARRL HEADQUARTERS
NEWINGTON CT  NOVEMBER 20, 1990
TO ALL RADIO AMATEURS

THE ARRL COMMITTEE OF TELLERS FOR THE ELECTION OF DIRECTORS
AND VICE DIRECTORS FOR THE 1991-1992 TERM MET AT ARRL
HEADQUARTERS NOVEMBER 20 TO COUNT BALLOTS.  HERE ARE THE RESULTS.

CENTRAL DIVISION FOR VICE DIRECTOR
    HUNTINGTON, K9KM, 2231
    HOSHIKO, W9CJW, 1065
    EBNETER, K9EN, 928

HUDSON DIVISION FOR DIRECTOR
    MENDELSOHN, WA2DHF, 2898
    BIANCOMANO, WB2EZG, 1235

NORTHWESTERN DIVISION FOR DIRECTOR
    LEWIS, W7QGP, 2382
    SHRADER, W7QMU, 2272

ROCKY MOUNTAIN DIVISION FOR VICE DIRECTOR
    SCUPP, WB5YYX, 948
    CAREY, K0PGM, 925

WEST GULF DIVISION FOR DIRECTOR
    COMSTOCK, N5TC, 2641
    ALBURY, W5SOQ, 1234
```

IN EACH CASE, THE CANDIDATE RECEIVING THE GREATEST NUMBER OF VOTES WAS DECLARED ELECTED. OTHER CANDIDATES FOR OFFICE WERE UNOPPOSED AND WERE PREVIOUSLY DECLARED ELECTED, AS REPORTED IN NOVEMBER QST, PAGE 57. THE TERMS OF OFFICE ARE TWO YEARS, BEGINNING AT NOON JANUARY 1, 1991

```
From 2716936820763626289
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9be0ce3a4374e7dd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-21 13:07:24 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpcc05!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: CMOS Super Keyer II, 11/90 QST
Message-ID: <27080026@col.hp.com>
Date: 21 Nov 90 21:07:24 GMT
References: <544@ssc.UUCP>
Organization: HP Colorado Springs Division
Lines: 8
Posted: Wed Nov 21 22:07:24 1990
```

On the other hand.....

Many software listings are mighty long. Magazines these days are usually not willing to "waste" their pages on long listings. A good compromise, however, would be for the author or magazine to provide program listings for a nominal cost upon request.

Ken (an author) Wyatt

```
From 1992129389087742453
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fdee408ca871a30c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-21 13:29:36 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Derek Wills)
Newsgroups: rec.ham-radio
Subject: Heathkit
Keywords: amps
Message-ID: <40048@ut-emx.uucp>
Date: 21 Nov 90 21:29:36 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 17
Posted: Wed Nov 21 22:29:36 1990
```

I remember some discussion about recent changes at Heathkit, but not the details. A Brit ham asked me whether they still make amplifier kits (SB-220 e.g.), I told him I thought they didn't but wasn't sure. I guess I can write for their catalog, but if anyone can clarify things meanwhile, please let me know. Even if they do make them I don't think I'd want to pay the shipping charges to the U.K. for one of those things, my arms are already a few inches longer from carrying one around for just a few minutes.

Happy Thanksgiving to all and see you in CQWW this weekend!

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From -5483906446042797237
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,765ebbebbcd77e14,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-21 16:09:33 PST
Path: gmdzi!unido!mcsun!uunet!ingr!b11!bill
From: bill@b11.ingr.com (Bill Welch)
Newsgroups: rec.ham-radio
Subject: 8031 Keyer Project
Keywords: with source code
Message-ID: <9473@b11.ingr.com>
Date: 22 Nov 90 00:09:33 GMT
Organization: ZAIAZ INTERNATIONAL
Lines: 21
Posted: Thu Nov 22 01:09:33 1990

About a year ago, while waiting for my novice ticket to arrive in the mail, I built a keyer which is similar to "CMOS Super Keyer II" 11/90 QST. I thought about trying to get an article published, but I felt that the project was probably too expensive "just for a keyer", and doubted that there were many folks out there that had the resources required to customize the firmware.
My keyer is based on the 8031 and an external eprom. This combination has been used in several BYTE projects by Steve Ciarcia, and I found a nice cross assembler on his BBS. In addition to lots of I/O pins on the 8031, there is a built in serial port, which allows me to use my PC's keyboard to send code. I added an nvrom and some extra ram, and an A/D to read a couple of pots for speed control and the like.

If any of you are interested, please drop me a line, and if there is some interest, I will try to find a way to make my stuff available. I'd like to thank Joe, KM4JN, for many good ideas about keyers and Preston Jett for his help with the hardware design.

Bill Welch   AB4YD   uunet!ingr!b11!bill
ps I think the author's of the above mentioned article did a great job, and I wish I had thought of some of the features they did!

From -2509244763162924876
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,86156ca2c1ed609b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-21 17:21:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!van-bc!ubc-cs!uw-beaver!sumax!amc-gw!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Less Than Clean Fists
Summary: sloppy fist
Message-ID: <553@ssc.UUCP>
Date: 22 Nov 90 01:21:52 GMT
References: <1990Nov19.233009.22195@dcdwest.uucp>
Organization: very little
Lines: 37
Posted: Thu Nov 22 02:21:52 1990

In article <1990Nov19.233009.22195@dcdwest.uucp>, plb@dcdwest.uucp (Phil Blais) writes:

>
>
> Now XYZ comes back for his/her first exchange. After the first couple of
> words or so you soon realize that this is not gonna be one of those "vy fb
> qso's" cuz XWZ's fist is obviously afflicted with both a lisp and a stutter
> and you'll have learned an entirely different version of morse by the time
> this qso ends :-)
>
> So... I'd like to poll the net and request responses which answer the
> question - "How do I tactifully get out of this mess without pissing this
> guy off?"
>

I have actually tried this, with varying results:

SRI OM   HAD TROUBLE COPYING NO QRM OR QRN, AND UR SIGS FB, BUT
WHAT DOES CCIIOIICOC MEAN?

If they are trying to send too fast, I may ask them to send slower.

Another one that can drive me up the wall is if I am operating CW mobile, and I hook up with SOMEONEWHORUNSALLTHEWORDSTOGETHER. Very hard to figure out while driving. I just tell them that I copied nothing, and to send a little slower with plenty of time between each word. This problem is especially bad if they can't spell!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA

Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -814593080482676789
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7d730f11bdaf2376
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-21 20:36:29 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Questions on Phased Verticals (long)
Message-ID: <1565@ke4zv.UUCP>
Date: 22 Nov 90 04:36:29 GMT
References: <8304@gollum.twg.com> <1250275@hpnmdla.HP.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 18
Posted: Thu Nov 22 05:36:29 1990

In article <1250275@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:

>Re: two 1/4-wave verticals phased 90 degrees:
>
>[good info deleted]
>
>When you are finished, you will have a 25-ohm feedpoint impedance
>at the "Y", which can be matched to 50 ohms with another matching
>network. Each antenna should now have the same power being
>radiated, so the cardiod pattern should be correct.

This would require a 37.5 ohm quarterwave matching section. 37.5 ohm cable is not off-the-shelf at the local parts house. If instead, you use two 75 ohm matching sections before the combining junction, then two 100 ohm loads in parallel equal 50 ohms. CATV cable is off-the-shelf. Sometimes you need to check your design for what parts are commonly available.

Gary KE4ZV

From -225353436123061028
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,13082f4021f00155,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10028a,13082f4021f00155,start
X-Google-Attributes: gid10028a,public
X-Google-ArrivalTime: 1990-11-21 20:40:28 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!

munnari.oz.au!brolga!uqcspe!batserver.cs.uq.oz.au!dusan
From: dusan@batserver.cs.uq.oz.au (Dusan Baljevic)
Newsgroups: rec.ham-radio
Subject: Club stations...
Keywords: ham-radio, clubs
Message-ID: <5855@uqcspe.cs.uq.oz.au>
Date: 22 Nov 90 04:40:28 GMT
Sender: news@uqcspe.cs.uq.oz.au
Reply-To: dusan@batserver.cs.uq.oz.au
Lines: 177
Posted: Thu Nov 22 05:40:28 1990

This is my second posting because the one I sent a couple of months ago within Australia was a disaster (nobody responded!) and there might be some reasonable explanations, so either:

a. VK-hams were not interested to answer me
b. there were/are not many VK-hams on the Inet
c. people were lazy to comment believing
   that "someone else" would do so...
d. or I was boring...

Anyway, here it is again.

I have been a ham for 18 years now (I am 31 years old) and back in Yugoslavia I had a call YU6FO (ex YU6ZCW). I am now in Australia with my family and am actively engaged in getting my VK-call soon.

I have taken the trouble of writing this because I feel an urge to learn something about club stations in other countries... Funny, I never asked myself that question when I was in YU because I had a feeling that all the clubs work under similar principles.

The reason: well, to my disappointment I have found out that there are no radio-clubs here in VK4 (I am talking about Brisbane, at least) that have much in common with the organization and activities of the clubs in the area where I used to live - that is YU6 and YU4-land.

As an example I'll take YU6BLM. It was a main radio club in the town called Titograd and was located almost in the very centre (founded back in 1946). The vicinity of a TV station did cause problems a couple of times but we managed to handle them.

Well, the club had several rooms:

- a "social-events" room (general meetings and gatherings)
- a library
- a CW-learning room (with a lot of keyers...)
- a shack (HF, VHF/UHF
- a "spare-parts" room (we called it magazine)

- a do-it-yourself room (with all the tools...)
- a computer room (with C-64 in my time)

We have got a special grant from the Township Committee as an non-profit and educational organization so the rent of these premises was a trifle. Let's say that the renting was almost free!

We found enough retired people who were hams that were more than willing to come every afternoon between 17:00 and 20:00 and open the club for public. They were also taking care of the club's property, etc. Of course, they got paid for this work - it was not much but still it helped them... There were some additional keys of the club which could use just approved persons (those that could be trusted - at least in opinion of the club Secretariat - in fact we never made a mistake and no one complained about this).

We subscribed to several radio-amateur magazines and everybody could come and read them. Also, we managed to complete a pretty good library of electronics and computer books and periodicals.

The money for our activities was coming from several sources:

- Youth organizations
- Educational institutions and organizations
- Industry (Manufacturers,...)
- Township budget

All in all, it was not bad. And we managed to attract a lot of young people. Often it was because they would hear some "dit-dah" noise outside while they were passing-by, and they wanted to check what it was... Or we would give some lectures in schools...

Also, we visited schools (primary and secondary), factories, various organizations, etc. We were organizing joint activities with Scouts Association, Youth Association, Society of blind people, schools, etc.

Usually several times a year we were given some old equipment from the Post, Army, Police, Factories (spare parts were not much of a problem) and that helped us quite a bit.

I can proudly say that probably a couple of hundreds of people learned the basics of Morse code, electronics... in a couple of years time (remember: learning CW takes some six months of work - for an average person that does not want to practice it 20 hours a day).(PLEASE DO NOT COMMENT MUCH ON THE TIME a person needs to learn CW; I learned it in 1972 in ONE DAY and I can cope with speeds of 25-30 groups without problems AND I AM NOT A GENIUS. You know, we all differ!) And I never pushed people into CW - if they wanted to learn I was there to help,

otherwise there were/are so many other interesting activities...
(I personaly dislike contests but I have never laughed at people that think the opposite...)

At the same time, we tried to "spread" our club - actually we realized that in the town with about 100,000 inhabitants one club was not enough. So we began forming other clubs in suburbs and interesting places:

- YU6GBA
- YU6GBB suburb
- YU6GBC
- YU6GBD factory
- YU6GBF
- YU6GAS University of Titograd

In the begining, all these clubs were under supervision of YU6BLM, and later they got their "authonomy" (Hi, what a strong word in the world of ham-radio!).

The equipment in the shack was used only by licenced operators and we never had a problem of a misuse. That way, the hams that could not afford buying their own equipment were still able to practice and work. We even had more equipment than we needed, so it was decided that those hams that could prove having an interest in ham-radio should get some of the equipment and use it at home.

Believe it or not, but back in 1981-1985 (that was a period of blossoming) our clubs were full with members. The parents of children were grateful for the opportunity because they knew where their kids were and what they were doing (please, do not comment on this with jokes...- I have a 3-year old daughter and even NOW am worried what might happen in the future).

Occasionally we would organize some VHF/UHF expeditions and it was wonderful (some of you people might remember those first visits to the rare JB47 locator near the ZA-border...).

All courses and seminars were free. That included the RAEs.
We believed that it would not be fair to children and others if they had to pay for exams... And to be frank, everything costs nowdays so would't it be great to have something FREE.

So, that is about it. I do not want to praise myself and our clubs but would like to know how others deal with this.

Do you have clubs like that? Is it free when you want to take an amateur exam? Do you attract enough youngsters nowdays? What is the main characteristics of the new amateurs (young, male, retired, or...)
(OLDER PEOPLE PLEASE DO NOT FEEL OFFENDED: I have always been looking forward to "recruiting" ANY person in ham-radio, and I stressed the importance of youngsters because the

future belongs to them).

It was not my intention to explain all the details about the activities of radio-clubs (because it would take much more space) - I gave just brief details which might explain some facts.

To all hams that might read this posting I wish good health (before everything!) and enjoy your hobby. That's it: ENJOY IT. And I still like 10m band...

And please comment on this if you have something useful to say, for the benefit of ham-radio (or, at least to satisfy my interest). If you want to make fun or to make others look funny then please mail me direct - without bothering others. Yes, I know it is easy to be smart - and very easy to critisize others!

Dusan (aka Dule), YU6FO/VK4

Internet: dusan@uqcspe.cs.uq.oz.au

Department of Computer Science
The University of Queensland 4072
Queensland - Australia

PS. I talked about the situation in YU6BLM as an example. I do not say we did it the right way (who knows?!) but I really would like to know your way of doing it. And yes, I have no idea what is going on in YU6BLM now...

From 5826858973417989219
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,e0bf5bd4a8130c8d
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 114aac,e0bf5bd4a8130c8d
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,e0bf5bd4a8130c8d
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-21 21:38:53 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!snorkelwacker.mit.edu!apple!usc!sdd.hp.com!ucsd!nosc!crash!skipsand
From: skipsand@crash.cts.com (Skip Sanders)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: Internet-Packet Reply (LONG!)
Message-ID: <5796@crash.cts.com>
Date: 22 Nov 90 05:38:53 GMT
References: <552.27484404@w8grt.fidonet.org>
Organization: Crash TimeSharing, El Cajon, CA

Lines: 3
Xref: gmdzi rec.radio.shortwave:2817 rec.ham-radio.swap:815 rec.ham-radio.packet:3087 rec.ham-radio:17115
Posted: Thu Nov 22 06:38:53 1990

Jim, unless you can get your program licensed by the FCC as a control operator, it does NOT comply with the rules requiring a control operator to screen traffic before it goes on-air.

From 9082970214206756057
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32acb5c1a574d147
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-22 01:27:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!radius!lemke
From: lemke@radius.com (Steve Lemke)
Newsgroups: rec.ham-radio
Subject: Re: Updated Macintosh Ham Stacks (for HyperCard) now available
Message-ID: <1376@radius.com>
Date: 22 Nov 90 09:27:48 GMT
References: <39651@genrad.UUCP> <1990Nov14.174405.10634@midway.uchicago.edu>
Lines: 31
Posted: Thu Nov 22 10:27:48 1990

pbhx@midway.uchicago.edu (Peter B. Hayward) writes:

>I wish there was some way the Mac-based ham community could truly reward
>Diana for these stacks. I used her earlier sets to go from nothing to Extra
>in just over a year. Of course, I read the books, but the ability to have
>hypercard test me over and over again helped me realize where I needed more
>studying (and helped me with the famous exam nerves syndrome.)

Early in 1990, I set out to complete my New Year's resolution of obtaining my novice and tech license. I went about 2/3 of the way through a class taught by the Stanford amateur radio club, but never took the test. Then a little over a week ago, I found the HyperCard stacks on apple.com (ftp), and decided to go for it once again. I had forgotten almost all of the code I learned at Stanford, but with the Mac "Morse" program, and the HyperCard stacks, I really studied intensely for five days (though my four years studying Electrical Engineering did help too), and last Sunday I took the Novice written test (missed two questions), and the Tech written test (perfect score) and the code test (perfect score). Sure was a hell of a lot easier with the Mac rather than reading the boring books...

>So, Diana, for all of us: Thanks so much!!!

I second that whole-heartedly! One minor thing: The stacks I have don't have any version number (I retrieved them a few weeks ago from apple.com) in them, but they did seem to have some problems occassionally - they would stop in the middle of a test and tell me (on the summary page) that I had missed all of the remaining questions. Strange. Oh well, I passed anyway!

--
----- Steve Lemke, Engineering Quality Assurance, Radius Inc., San Jose -----
----- "I'm not a UNIX wizard, but I play the Postmaster at radius.com." -----
----- Reply to: lemke@radius.com   (radius!lemke@apple.com works too!) -----

```
From -4770139093791099721
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,875da3846af1da1b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-22 05:40:12 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpcc05!hpcuhb!hpsqf!hpqmola!hpqmole!dstock
From: dstock@hpqmole.sqf.hp.com (David Stockton)
Newsgroups: rec.ham-radio
Subject: Re: ICOM Batteries (memory)
Message-ID: <410010@hpqmole.sqf.hp.com>
Date: 22 Nov 90 13:40:12 GMT
References: <552@ssc.UUCP>
Organization: HP,Queensferry Microwave UK
Lines: 35
Posted: Thu Nov 22 14:40:12 1990
```

Thanks for the info, It's nice to know that ICOM USA are handling things. The only remaining questions are:

> Is that $25 battery swap conditional upon the rig still functioning, or can they include reprogramming ?
>
> Do ICOM have similar service in other countries ?
>
> Have any other manufacturers used battery maintained firmware?
>
> When rigs are 15 or so years old, how much interest have their manufacturers shown in them ?

I don't have anything at risk myself, but I do seem to be spending an increasing amount of time with other peoples gear laid out on my bench. I just want to be able to avoid such pitfalls as swapping a lithium cell in the safest way (WITH NO EXTERNAL POWER APPLIED) only to discover a catatonic microprocessor.

NB some lithium batteries carry dire warnings of risk of explosion and have maximum permitted reverse currents of 0.05 MICROAMPS. using an external supply carries more risks than just a transient corrupting the data.

```
   Many thanks,   GM4ZNX



k



From -8227862101191534122
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4864256cab9be3a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-22 07:08:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!usc!sdd.hp.com!zaphod.mps.ohio-
state.edu!lavaca.uh.edu!menudo.uh.edu!lobster!urchin!f8324.n106.z1.fidonet.org!
Christopher.Boone
From: Christopher.Boone@f8324.n106.z1.fidonet.org (Christopher Boone)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TM431A mods
Message-ID: <3618.274C093C@urchin.fidonet.org>
Date: 22 Nov 90 15:08:48 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8324 - Far Point Relay Ham, Katy Tx
Lines: 5
Posted: Thu Nov 22 16:08:48 1990

Do you know if anyone has simialr mods for the Yaesu FT711 series? I would
like for mine to go down to 420 and listen in on my 451company rptrs as well!
Tnx
73
WB5ITT



From -7368113990330939429
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edb5d6adb6486ebd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-22 07:12:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!usc!zaphod.mps.ohio-state.edu!
lavaca.uh.edu!menudo.uh.edu!lobster!urchin!f8324.n106.z1.fidonet.org!
Christopher.Boone
From: Christopher.Boone@f8324.n106.z1.fidonet.org (Christopher Boone)
Newsgroups: rec.ham-radio
Subject: Yaesu Ft711 mods
Message-ID: <3619.274C0941@urchin.fidonet.org>
Date: 22 Nov 90 15:12:27 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8324 - Far Point Relay Ham, Katy Tx
Lines: 7
Posted: Thu Nov 22 16:12:27 1990

I am looking for the mods for the FT711 mobile to unlock it from just 440-450.
I know it is the same or similar mod to the FT 73 HT....I want to go below 440
so i can use it to monitor and transmit on my link channels and also be able
```

to listen above 451 to my companies rptrs!

Tnx and 73
WB5ITT

From 4405558027821778198
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,e0bf5bd4a8130c8d
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-11-22 07:45:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!van-bc!mdivax1!theriaul
From: theriaul@mdivax1
Newsgroups: rec.ham-radio.packet,rec.ham-radio
Subject: Re: Internet-Packet Reply (LONG!)
Message-ID: <1990Nov22.154535.10950@mdivax1.uucp>
Date: 22 Nov 90 15:45:35 GMT
References: <552.27484404@w8grt.fidonet.org> <5796@crash.cts.com>
Reply-To: mdivax1!theriaul (Roger Theriault)
Organization: Mobile Data International, Richmond, B.C., Canada
Lines: 18
Xref: gmdzi rec.ham-radio.packet:3082 rec.ham-radio:17096
Posted: Thu Nov 22 16:45:35 1990
Return-Path: <mdivax1!news>
Apparently-To: van-bc!rnews

In article <5796@crash.cts.com> skipsand@crash.cts.com (Skip Sanders) writes:
>Jim, unless you can get your program licensed by the FCC as a control
>operator, it does NOT comply with the rules requiring a control operator
>to screen traffic before it goes on-air.

Technical Opinion:
I believe Jim transmits from Canada, and thus the FCC has *no* say in the matter. Furthermore, Jim is no doubt aware of the relevant Canadian DOC (Department of Communications) regulations.

Logical Opinion:
But I think you are being a bit picky about the regulations. Being too picky could unduly restrict some pretty major innovations, and I think Jim provides a useful service.

--
Roger Theriault   mdivax1!theriaul@van-bc.wimsey.bc.ca
                     {uw-beaver,uunet}!van-bc!mdivax1!theriaul

From -7198757111791485029
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,558c8ec916f45d70,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-11-22 08:26:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!
ucbvax!PUCC.PRINCETON.EDU!8909296%ul.ie
From: 8909296%ul.ie@PUCC.PRINCETON.EDU ("John Barry, EI7DNB ", The Bandit)
Newsgroups: rec.ham-radio
Subject: Mods for the TH-25
Message-ID: <FE5F54764E9FE0597D@ccvax.ucd.ie>
Date: 22 Nov 90 16:26:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Thu Nov 22 17:26:00 1990

Hello,

Does anyone know of any mods for the TH-25E ??

I am particularly interested in the search feature.....Can I
change it to a search which will hold on the freq. while the
squelch is open..like the scanners...!

This has probably been on the newsgroup before but I would
be grateful for any hints....

John Barry

EI7DNB

From 8288502999540135193
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5d2fd0310e2a5aa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-22 10:07:06 PST
Path: gmdzi!unido!mcsun!ukc!warwick!esrlb
From: esrlb@warwick.ac.uk (Mr S Browne)
Newsgroups: rec.ham-radio
Subject: Expedition to Bering Island (UA0Z)
Message-ID: <1990Nov22.180706.16829@warwick.ac.uk>
Date: 22 Nov 90 18:07:06 GMT
Sender: news@warwick.ac.uk (Network news)
Organization: Computing Services, Warwick University, UK
Lines: 19
Posted: Thu Nov 22 19:07:06 1990

I am presently involved in the organization of a Soviet-led
expedition to Bering Island , in the Komandorskij group.
The provisional dates are July22nd - August 18th 1991.

It is possible that there will be one , possibly two, places
unfilled which could be available to ham(s) from the USA.There
are 4 Soviets , 2 Brits (including myself) and 3 Danes, and
3 hams from the USA are required , I believe that all but one or

two of the places for the USA have been filled.

I have more information available for anybody interested , and will be happy to hear from anyone via e-mail.

I can guarantee that it will be a fascinating trip , I was UA0/G0GWA in the Arctic earlier this year and had a great time over there.

73s,

Simon Browne , G0GWA.

From -8479884149453639382
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,e0bf5bd4a8130c8d
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,e0bf5bd4a8130c8d
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,e0bf5bd4a8130c8d
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-22 11:08:17 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!bu.edu!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!news.cs.indiana.edu!news.nd.edu!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: Internet-Packet Reply (LONG!)
Message-ID: <588.274BDE36@w8grt.fidonet.org>
Date: 22 Nov 90 19:08:17 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 30
Xref: gmdzi rec.radio.shortwave:2818 rec.ham-radio.swap:816 rec.ham-radio.packet:3088 rec.ham-radio:17118
Posted: Thu Nov 22 20:08:17 1990

> From: skipsand@crash.cts.com (Skip Sanders)
> Date: 22 Nov 90 05:38:53 GMT
> Organization: Crash TimeSharing, El Cajon, CA
> Message-ID: <5796@crash.cts.com>
> Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,
> rec.ham-radio
>
> Jim, unless you can get your program licensed by the FCC as a control
> operator, it does NOT comply with the rules requiring a control operator
> to screen traffic before it goes on-air.

Show me where in the regs it says a control operator may not employ mechanical aids to facilitate the screening process by marking for human review all messages containing certain key words and phrases he has selected for use in a grep process.

Let's not try to be more British than the British here. As I said, the FCC expects a good faith effort, but they're not dumb enough to expect 100% accuracy EVEN WITH 100% EYEBALL INSPECTION. No matter how it is done, a tiny percent will slip through when somebody yawns or blinks.

I am not replying to your comment everywhere you posted it. People jump on ME for answering articles in all the newsgroups the originals appeared in. Go figure!

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -3081328155037358728
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,13082f4021f00155
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-22 11:36:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!cs.utexas.edu!swrinde!mips!cs.uoregon.edu!ogicse!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Club stations...
Keywords: ham-radio, clubs
Message-ID: <1569@ke4zv.UUCP>
Date: 22 Nov 90 19:36:52 GMT
References: <5855@uqcspe.cs.uq.oz.au>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 54
Posted: Thu Nov 22 20:36:52 1990

In article <5855@uqcspe.cs.uq.oz.au> dusan@batserver.cs.uq.oz.au writes:
>
>I have taken the trouble of writing this because I feel an urge
>to learn something about club stations in other countries...
>Funny, I never asked myself that question when I was in YU because
>I had a feeling that all the clubs work under similar principles.
>
[Info on home club deleted]
>
>Do you have clubs like that? Is it free when you want to take
>an amateur exam? Do you attract enough youngsters nowdays?
>What is the main characteristics of the new amateurs (young,
>male, retired, or...)
>
>And please comment on this if you have something useful to say,
>for the benefit of ham-radio (or, at least to satisfy my interest).

>If you want to make fun or to make others look funny then please
>mail me direct - without bothering others. Yes, I know it is easy
>to be smart - and very easy to critisize others!

Your description of your old club reminds me a little of the HARC, the Henderson Amateur Radio Club, of my youth. We too had a nice clubhouse on property leased from the city for a dollar a year. We had two state of the art stations setup in rooms at opposite ends of the clubhouse. We had a central meeting room and a kitchen and storage rooms for parts and gear. We had about a hundred active members in a town of 16,000 and sponsored radio clubs in the local schools. We held classes twice a year for new licensees. That's how I got my license, through the school radio club and the HARC classes. We built the first two meter repeater in our area and arranged for a group buy of surplus Motorola 5V tranceivers for our membership. We had great fun sitting around the meeting room trying to modify those beasts to work on two meters. We participated as a club in many contests, especially field day where we made a maximum effort.

I moved away about twenty five years ago and lost touch with the old HARC. Sadly, I met one of the old members last year while visiting the area and found out that the club had fallen apart and had abandoned the clubhouse and the school radio clubs and the licensing classes. They only had about a dozen members left, but they did have one of those talking, singing, dancing, autopatching repeaters on the HARC channel. All of the old partially homebrew radios were gone. And nobody wanted to bother to leave the air-conditioned comfort of their homes to go out in a field with bugs and heat to do field day. They had quit holding meetings and were content to talk to each other via their Japanese made handhelds.

I now live near Atlanta, Georgia and don't know of any clubs like the old HARC. I do know of several clubs like the new HARC. I have no magic wand to bring back the good old days. People seem so busy and wrapped up in their own lives that they don't have time for clubs like the old HARC. It's a great loss to amateur radio.

Gary KE4ZV

From 4377095885859273678
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,536ba1adfa9cff3f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-22 20:08:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: S-38 manual
Message-ID: <9011230408.AA15295@tilde>
Date: 23 Nov 90 04:08:18 GMT
Sender: daemon@ucbvax.BERKELEY.EDU

Organization: The Internet
Lines: 8
Posted: Fri Nov 23 05:08:18 1990

I'm looking for a schematic for the Hallicrafters S-38 (?) receiver.
I think is a "D" model; it has the two semi-circular dials. If anyone
out there has one, I'd gladly pay copying and postage.

Thanks and 73,
Dube   N5PDK

"Why waste time learning, when ignorance is instantaneous?" -Hobbes

---

From -1784341174463783286
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a478bf2c9047d9ef,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-22 21:27:29 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!milton!uw-beaver!sumax!amc-gw!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: for N5GNA
Keywords: Hi Manuals, Globe Scout
Message-ID: <555@ssc.UUCP>
Date: 23 Nov 90 05:27:29 GMT
Organization: very little
Lines: 21
Posted: Fri Nov 23 06:27:29 1990

I got a note from N5GNA, saying he had lost the info on Hi Manuals.
He asked me to mail to him, but it bounced.

Here is the address:

Hi Manuals
P.O. Box 802
Council Bluffs, IA 51502-0802

The catalog is $2.00. They list 10 different flavors of Globe Scout
manuals.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -6990548859903614675
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2fc7c38e8fdf60a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-23 01:15:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!hpcuhb!hpsqf!hpqmola!hpqmole!dstock
From: dstock@hpqmole.sqf.hp.com (David Stockton)
Newsgroups: rec.ham-radio
Subject: Re: Re: Preliminary call for discussion: rec.ham-radio legal
Message-ID: <410011@hpqmole.sqf.hp.com>
Date: 23 Nov 90 09:15:21 GMT
References: <11470.2746eb6e@ecs.umass.edu>
Organization: HP,Queensferry Microwave UK
Lines: 13
Posted: Fri Nov 23 10:15:21 1990

I dont think that starting any other groups would give any relief at all. Notice how all other ham/shortwave groups only seem to contain multiple postings.

The offending parties are trying to, in their eyes, convert everyone to their views. How can they do this if the unconverted read elsewhere ?

Count on my vote for a .tech group. With the sort of impression that the windbags give, what we enjoy should really bore the pants off them :-) We'd still need kill files to ignore multiple postings.

73 GM4ZNX

From -5289173038189148638
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d521d73c682b0b68,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-23 04:07:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!news.cs.indiana.edu!news.nd.edu!cartan!ndmath!nstar!w8grt!f470.n101.z1.fidonet.org!Tom.Mcgee
From: Tom.Mcgee@f470.n101.z1.fidonet.org (Tom Mcgee)
Newsgroups: rec.ham-radio
Subject: Re: STATES WHERE RADAR DETECTORS ARE ILLEGAL?
Message-ID: <597.274FAB1F@w8grt.fidonet.org>
Date: 23 Nov 90 12:07:01 GMT
Sender: ufgate@w8grt.fidonet.org (newsout1.26)
Organization: FidoNet node 1:101/470
Lines: 13
Posted: Fri Nov 23 13:07:01 1990

In response to an article by Eakin:

>> radar detectors are illegal in Virginia, a friend says
its Maryland. <<

Connecticut and Virginia for sure....maybe other states too.
--- TBBS v2.1/NM
 * Origin: Tom's BBS - Wollaston, MA - 617/471-3009 (1:101/470)

--
Tom Mcgee - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!101!470!Tom.Mcgee
INTERNET: Tom.Mcgee@f470.n101.z1.fidonet.org

From 1622039554295511603
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dab0ea4b3257728f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-23 04:43:04 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!
news.cs.indiana.edu!news.nd.edu!cartan!ndmath!nstar!w8grt!
f470.n101.z1.fidonet.org!Tom.Mcgee
From: Tom.Mcgee@f470.n101.z1.fidonet.org (Tom Mcgee)
Newsgroups: rec.ham-radio
Subject: Re: NOVICE LICENSE FOR $150 ??
Message-ID: <596.274FAB1B@w8grt.fidonet.org>
Date: 23 Nov 90 12:43:04 GMT
Sender: ufgate@w8grt.fidonet.org (newsout1.26)
Organization: FidoNet node 1:101/470
Lines: 18
Posted: Fri Nov 23 13:43:04 1990

In response to an article by Bob Hlivak:

Gordon West is a respected individual who happens to make a living preparing people to take amateur radio exams. His course material is available in radio stores (including Radio Shack) and through mail order.

He's done a lot to get more hams into the ranks. I owe my license to his study materials. What he's doing is both legal and ethical. I fail to understand the nature of your outrage.

73, de KA1TOX
--- TBBS v2.1/NM
 * Origin: Tom's BBS - Wollaston, MA - 617/471-3009 (1:101/470)

--
Tom Mcgee - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!101!470!Tom.Mcgee
INTERNET: Tom.Mcgee@f470.n101.z1.fidonet.org

From -5998376361220405503
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,45ecde6abf9c13c5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,45ecde6abf9c13c5,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-11-23 07:27:32 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!funic!santra!hila.hut.fi!kwiik
From: kwiik@hila.hut.fi (Kaj Wiik)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: RM1/AO21: Digital Telemetry Equations
Message-ID: <1990Nov23.152732.3068@santra.uucp>
Date: 23 Nov 90 15:27:32 GMT
Sender: news@santra.uucp (Cnews - USENET news system)
Reply-To: kwiik@hila.hut.fi (Kaj Wiik)
Organization: Helsinki University of Technology, FINLAND
Lines: 81
Xref: gmdzi rec.ham-radio:17137 rec.ham-radio.packet:3094
Posted: Fri Nov 23 16:27:32 1990

SB AMSAT @ ALL < DB2OS $20B007DK0MAV
RM1/AO21: Digital Telemetry Equations
R:901123/1315z 4075@OH1AU.#TKU.FIN.EU [AIZ v4.20]
R:901120/0906z @DK0MAV [NORD><LINK PEINE, JO52CI, TheBox 1.7 OP: DF3AV]

de DB2OS @ DK0MAV

DIGITAL-TELEMETRY OF "RADIO-M1"

17-Nov-90

by AMSAT-U (RC2CA/UA3CR)
and AMSAT-DL (DG2CV/DB2OS)

Digital telemetry consists of 30 parameters + 2 constants.

To receive the digital telemetry it is necessary to use an FM-receiver, modem, de-scrambler and a personal computer.

Table 1: Digital Telemetry Equations

Line	Parameter	Formula	Unit
1	Transponder #1 HF ouptut pwr	0.2N^2	Watt
2	Transponder #1 PA temperature	0.8*N	deg. C
3	DC/DC converter temperature	0.8*N	deg. C
4	+14 V Regulated	10*N	Volt
5	+24 V Regulated	10*N	Voll
6	+16 V Regulated	10*N	Volt
7	+12 V Regulated	10*N	Volt
8	+9 V Regulated	10*N	Volt

9	+7.5 V Regulated	10*N	Volt
10	+5 V Regulated	10*N	Volt
11	+9 V Regulated (linear)	10*N	Volt
12	+9 V Regulated (digital)	10*N	Volt
13	Service	N	*
14	Service	N	*
15	Transponder #2 HF output pwr	0.2*N^2	Watt
16	Transponder #2 PA temperature	0.8*N	deg. C
17	+24 V Regulated	10*N	Volt
18	+16 V Regulated	10*N	Volt
19	+10 V Regulated	10*N	Volt
20	+9 V Regulated	10*N	Volt
21	+7.5 V Regulated	10*N	Volt
22	Status command link 1	*	*
23	Status command link 2	*	*
24	Status command link	*	*
25	Status command link	*	*
26	RPC +5V for Rudak-1	2.47*N	Volt
27	RPC +5V for Rudak-RTX	2.47*N	Volt
28	RPC +5V for Ramdisk	2.47*N	Volt
29	RPC +14V total supply current	627-289*N	mA
30	RPC module temperature	56.7*N-49.5	deg. C
31	"Zero" of the comparator	0C	
32	Reference voltage	6D	

$$N = \frac{(i-0C)1.16}{6D-0C}$$

i - the value of the parameter in the hex format,

or

$$N = \frac{(i-12)1.16}{96}$$

i - the value of the parameter in the decimal format.

RPC - Rudak Power Conditioner

-EOF-

/EX

From 1723066052926319025
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1de06ed82bf25813,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-23 07:53:35 PST

Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
WSMR-SIMTEL20.ARMY.MIL!LSPRINGSTEEN
From: LSPRINGSTEEN@WSMR-SIMTEL20.ARMY.MIL (Larry L. Springstee)
Newsgroups: rec.ham-radio
Subject: HYPERCARD STACKS
Message-ID: <12640232988.18.LSPRINGSTEEN@WSMR-SIMTEL20.ARMY.MIL>
Date: 23 Nov 90 15:53:35 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19
Posted: Fri Nov 23 16:53:35 1990

>RE:Updated Macintosh Ham Stacks (for HyperCard)
  I was able to get mine via anonymous FTP from apple.com out of their
pub/ham-radio directory. All five stacks are small enough to fit on an
800K floppy when compressed. If any one in the West Texas/New Mexico
area that can't FTP wants a copy, give me a shout.
  I try to keep other PD/Shareware Mac goodies as well.

Bye for now, 73

```
****************************************************************
* ANYONE KNOW HOW TO KEEP A FIVE YEAR OLD FROM HOGGING THE MAC?*
* I DON'T WANT TO BUY HIM HIS OWM :-)                          *
****************************************************************
```

```
Packet: DE LARRY  WB8LBZ @ K5WPH-2.NM.USA.NA
e-mail: lspringsteen@wsmr-simtel20.army.mil
MaBell: w:(505) 678-1912/1913/2330/2039 one will not be busy
        h:(915) 821-3021
-------
```

From -4470206871177965770
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d927d69a0849376b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,d927d69a0849376b,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f5cc0,d927d69a0849376b,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-11-23 10:18:30 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!masscomp!ocpt!tsdiag!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.space
Subject: * SpaceNews 26-Nov-90 *
Keywords: RS14/RUDAK-2 Launch, STS-38
Message-ID: <372@ka2qhd.UUCP>
Date: 23 Nov 90 18:18:30 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 108
Xref: gmdzi rec.ham-radio:17131 rec.ham-radio.packet:3093 sci.space:17761
Posted: Fri Nov 23 19:18:30 1990

SB SPACE @ ALLBBS < KD2BD $SPC1126
* SpaceNews 26-Nov-90 *

Bulletin ID: $SPC1126

=========
SpaceNews
=========

MONDAY NOVEMBER 26, 1990

SpaceNews originates at KD2BD in Wall Township, New Jersey, United States. It is published every week and is made available for unlimited distribution.

* RS-14/RUDAK-2 LAUNCH *
========================
AMSAT-DL officials have been informed that the launch of RS-14/RUDAK-2 will occur on or about November 29, 1990, plus or minus one day. Also, it is not expected that the RUDAK-2 transponder will be turned on until three days after launch. Radio amateurs should not expect to hear the CW beacon from RUDAK-2 until December 1, 1990. Efforts are still under way to provide a launch net on 20M starting about an hour before launch. UA3CR requests the help of radio amateurs worldwide to help collect telemetry and send it to him via packet radio to him once the CW beacon is turned on. The CW telemetry beacon can be heard on a downlink frequency of 145.822 or 145.948 MHz SSB.

The CW Morse-Code telemetry frame will consist of the registration call RS14 and 8 four-digit lines in the following format:

```
     RS14  1A 1B 1C 1D
           2A 2B 2C 2D
           3A 3B 3C 3D
           4A 4B 4C 4D
           5A 5B 5C 5D
           6A 6B 6C 6D
           7A 7B 7C 7D
           8A 8B 8C 8D
```

The 1A to 7A lines are analog telemetry data. Line 8A is a calibration engineering parameter.

The first digits from 1A to 8A are system status data. Figure 6 means general operating status and figure 2 means command operating status.

The second digits from 1B to 8B (0 to 7) are line (channel) numbers.

The third and fourth digits from 1C to 8D are analog telemetry values.

RS14 Telemetry Decoding Parameters:

Line #	Parameter	Formula	Unit
0	Transponder power output	0.05N	Watts
1	Transponder PA Temperature	N	Deg. C
2	+24 V Regulated Bus	N	Volts
3	+16 V Regulated Bus	N	Volts
4	+ 9 V Regulated Bus	N	Volts
5	+24 V Regulated Bus	N	Volts
6	Inside Temperature	N	Deg. C
7	Service	N	*

* STS-38 NEWS *

Several independent observers in central Florida and Texas observed Atlantis and the USA 38 spy satellite payload deployment during mission STS-38 last week. Observations seem to indicate that a problem might have occurred with the satellite and it might have been brought back to Earth by the shuttle.

* TNX QSL! *

A special thanks to all those who sent QSLs, cards and letters to SpaceNews:

N0MKJ : Bill Rupp, Minot Air Force Base, North Dakota, U.S.A.
WB6LIE: Chuck Belk, Santa Ana, California, U.S.A.

* FEEDBACK WELCOMED *

Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

INTERNET : kd2bd@ka2qhd.de.com
PACKET : KD2BD @ NN2Z.NJ.USA.NA
UUCP : ...!rutgers!ka2qhd!kd2bd

MAIL : John A. Magliacane, KD2BD
Department of Electronics Technology
Advanced Technology Center
Brookdale Community College
765 Newman Springs Road
Lincroft, New Jersey 07738
U.S.A.

<< If you like what you see, send us your QSL card! >>

/EX
--
John A. Magliacane FAX : (908) 747-7107

```
Electronics Technology Department  AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College        UUCP : ...!rutgers!ka2qhd!kd2bd
Lincroft, NJ  07738  USA           VOICE: (908) 842-1900 ext 607
```

From -2068388173396415689
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc69ba143edb2032,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-23 10:59:40 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
elroy.jpl.nasa.gov!ames!uhccux!uhunix.uhcc.Hawaii.Edu
From: johns@uhunix.uhcc.Hawaii.Edu (John Shalamskas, KJ9U)
Newsgroups: rec.ham-radio
Subject: QRP on 20 meters
Message-ID: <10376@uhccux.uhcc.Hawaii.Edu>
Date: 22 Nov 90 19:44:41 GMT
Sender: news@uhccux.uhcc.Hawaii.Edu
Organization: University of Hawaii
Lines: 18
Posted: Thu Nov 22 20:44:41 1990

Last night at 0620 UTC (8:20 pm local time) I worked JA1WVK,
a 2 watt station on 20 meter SSB. He was using a TH7DX tribander,
but I was still surprised at his signal strength, about S-2. On
my end I'm using just a G5RV dipole (3/2 wave) at 100 feet, and 100 watts.
I also tried reducing power, and he could hear me at the 1 watt level.

Naturally, after 5 minutes or so at QRP some LID came up practically
on top of us so I had to increase power again... we tried 15 meters but
no contact was made.

For the curious, Yoshi's rig was a Mizuho MX14S monoband transceiver.
He had a similar monobander for 15 meters.

The moral of the story is: Even on DX alley of 20 meters you can run
low power. It sure does help to have a good antenna! Of course,
if we had been on 10 meters, the QSO would have been a lot longer.

de KJ9U John Shalamskas

From -8525009844706045641
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-23 11:57:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!att!tut.cis.ohio-state.edu!
zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!news.cs.indiana.edu!
news.nd.edu!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Internet-Packet Reply (LONG!)

Message-ID: <592.274D3DA1@w8grt.fidonet.org>
Date: 23 Nov 90 19:57:38 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 29
Posted: Fri Nov 23 20:57:38 1990

> Date: 22 Nov 90 15:45:35 GMT
> Organization: Mobile Data International, Richmond, B.C., Canada
> Message-ID: <1990Nov22.154535.10950@mdivax1.uucp>
> Newsgroups: rec.ham-radio.packet,rec.ham-radio
>
> In article <5796@crash.cts.com> skipsand@crash.cts.com (Skip Sanders)
> writes:
> >Jim, unless you can get your program licensed by the FCC as a control
> >operator, it does NOT comply with the rules requiring a control operator
> >to screen traffic before it goes on-air.
>
> Technical Opinion:
> I believe Jim transmits from Canada, and thus the FCC has *no* say in
> the
> matter. Furthermore, Jim is no doubt aware of the relevant Canadian DOC
> (Department of Communications) regulations.

Jim has transmitted from Toledo, Ohio, for almost 40 years, but that's beside the point. The FCC regulations specify certain prohibited types of communications. They don't say diddly about HOW the control operator goes about achieving compliance. For all the FCC cares, the control operator could hire that band of monkeys who could write the complete works of William Sheakespeare of you give them enough time.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 298854274834579953
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,e0bf5bd4a8130c8d
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 114aac,e0bf5bd4a8130c8d
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,e0bf5bd4a8130c8d
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-23 12:20:49 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!snorkelwacker.mit.edu!apple!rutgers!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio

Subject: Re: Internet-Packet Reply (LONG!)
Message-ID: <23490@ucsd.Edu>
Date: 22 Nov 90 21:44:44 GMT
References: <552.27484404@w8grt.fidonet.org> <5796@crash.cts.com>
Followup-To: rec.radio.shortwave
Organization: The Avant-Garde of the Now, Ltd.
Lines: 6
Xref: gmdzi rec.radio.shortwave:2805 rec.ham-radio.swap:814 rec.ham-radio.packet:3083 rec.ham-radio:17102
Posted: Thu Nov 22 22:44:44 1990

In article <5796@crash.cts.com> skipsand@crash.cts.com (Skip Sanders) writes:
>... the rules requiring a control operator
> to screen traffic before it goes on-air.

Please quote section and paragraph of this requirement.
     - Brian

From -7221181583927728963
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6391a9be9856cf3e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-23 17:36:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!news.cs.indiana.edu!news.nd.edu!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: military paranoia
Message-ID: <593.274D88B9@w8grt.fidonet.org>
Date: 24 Nov 90 01:36:41 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 38
Posted: Sat Nov 24 02:36:41 1990

 > From: brent@network.ucsd.edu (Brent Jones)
 > Date: 23 Nov 90 16:55:17 GMT
 > Organization: Ich geh' kaput. Gehst du mit?
 > Message-ID: <4064@network.ucsd.edu>
 > Newsgroups: rec.ham-radio
 >
 > In article <13286@chaph.usc.edu> kjh@aludra.usc.edu (Kenneth J.
 > Hendrickson) writes:
 > >In article <273@dean1.usma.edu> x35514e4@dean1.UUCP (PUT YOUR NAME HERE)
 > writes:
 > >
 > >I knew there was a good reason that I never accepted those "wonderful"
 > >offers from the military to help pay for my education. (Besides getting
 > >killed in an ill-conceived war.) Now I know what one of those reasons
 > >was.
 >
 > As on Naval Academy midshipman once wrote, "Here they take away all of

> your
> God-given rights and hand them back one by one as privileges."

I was under the impression that anyone entering a service academy was intelligent enough to realize that (a) he was entering into a contract voluntarily and (b) that he had read and understood it before signing.

My mistake.

You know, I get a little griped by the intellectuals who look down their noses at soldiers, policemen, etc., as somehow inferior and/or deranged UNTIL "the gook" or "the perp" gets into their personal space and THEN they scream "What took you so long to get here?"

Such is life.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -9220357469303005964
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aea9c3d708f2dbd8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-23 17:54:26 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9011240154.AA05554@tilde>
Date: 24 Nov 90 01:54:26 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Sat Nov 24 02:54:26 1990

In <ken@swbatl.sbc.com (Ken Gianino 5-9081)> Ken writes:

Re: Marine Band radio Frequencies?

> As a distraction to the marine radio discussion, most of the inexpensive
> radios have a 10.7MHz IF, probably with low side injection. If you swap
> the transmit and receive synthesizer RF the radio should operate on 2
> meters. For instance, the calling channel 156.800 would become 146.100.
> Anybody ever tried this?
> Ken - WB0QNA

OK, but what do you do about the tuned circuits? Wouldn't you also have to retune the driver and finals?

73,
Dube   N5PDK

From -8056974731630119062
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,46d48707c8014c26,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-23 22:34:15 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!UCSD.EDU!Info-Hams
From: Info-Hams@UCSD.EDU (Info-Hams@UCSD.Edu)
Newsgroups: rec.ham-radio
Subject: Can't Find MailCenter!
Message-ID: <9011261302.AA20438@ucsd.edu>
Date: 24 Nov 90 06:34:15 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1567
Posted: Sat Nov 24 07:34:15 1990

GatorMail-Q   Info-Hams Digest V90 #438
Info-Hams Digest   Thu, 22 Nov 90   Volume 90 : Issue 438

Today's Topics:

ARRL news (2 msgs)
Callsign project
Club stations...
CMOS Super Keyer II, 11/90 QST
Glen Hauser to move to WWCR! (Listening Tip)
Ground Station Software
ICOM Batteries (memory)
Internet-Packet Reply (LONG!)
Packet Test - Volunteers wanted
Preliminary call for discussion: rec.ham-radio.legal
Preliminary call for discussion: rec.ham-radio legal
Questions on Phased Verticals (long)
rn KILL files
The Big One (was Move earthquake)
Usenet UnNet-be there!

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 21 Nov 90 20:58:01 GMT

From: n8emr!gws@tut.cis.ohio-state.edu (Gary Sanders)
Subject: ARRL news
To: info-hams@ucsd.edu

Return-Path: <n8emr!W8PH>
Message-Id: <m0ibn4l-0001ETC@n8emr.uucp>
[Date: Wed, 21 Nov 90 00:35 EST
[To: <ALL@ARRL>
R:901121/0513z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:12957 Z:43232
R:901121/0455 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:52760 Z:43103
R:901121/0213 @:WB8JIB.#DAY.OH.USA.NA Yellow Springs #:10369 Z:45387

ARRL BULLETIN 49 ARLB049
FROM ARRL HEADQUARTERS
NEWINGTON CT NOVEMBER 20, 1990
TO ALL RADIO AMATEURS

THE ARRL COMMITTEE OF TELLERS FOR THE ELECTION OF DIRECTORS AND VICE DIRECTORS FOR THE 1991-1992 TERM MET AT ARRL HEADQUARTERS NOVEMBER 20 TO COUNT BALLOTS. HERE ARE THE RESULTS.

CENTRAL DIVISION FOR VICE DIRECTOR
HUNTINGTON, K9KM, 2231
HOSHIKO, W9CJW, 1065
EBNETER, K9EN, 928

HUDSON DIVISION FOR DIRECTOR
MENDELSOHN, WA2DHF, 2898
BIANCOMANO, WB2EZG, 1235

NORTHWESTERN DIVISION FOR DIRECTOR
LEWIS, W7QGP, 2382
SHRADER, W7QMU, 2272

ROCKY MOUNTAIN DIVISION FOR VICE DIRECTOR
SCUPP, WB5YYX, 948
CAREY, K0PGM, 925

WEST GULF DIVISION FOR DIRECTOR
COMSTOCK, N5TC, 2641
ALBURY, W5SOQ, 1234

IN EACH CASE, THE CANDIDATE RECEIVING THE GREATEST NUMBER OF VOTES WAS DECLARED ELECTED. OTHER CANDIDATES FOR OFFICE WERE UNOPPOSED AND WERE PREVIOUSLY DECLARED ELECTED, AS REPORTED IN NOVEMBER QST, PAGE 57. THE TERMS OF OFFICE ARE TWO YEARS, BEGINNING AT NOON JANUARY 1, 1991

Date: 21 Nov 90 20:57:38 GMT
From: n8emr!gws@tut.cis.ohio-state.edu (Gary Sanders)

Subject: ARRL news
To: info-hams@ucsd.edu

Date: 20 Nov 90 06:20:13 GMT
From:
csus.edu!wuarchive!cs.utexas.edu!asuvax!anasaz!qip!rusty@ucdavis.ucdavis.edu
(Rusty Carruth)
Subject: Callsign project
To: info-hams@ucsd.edu

I was talking to John Moore NJ7E today, and he asked me how the callsign project was going. I told him, and he panicked. (Well,almost) So, he suggested that I remind everyone that the callsign project is currently underway (I await the data from the NTIS which I ordered a month ago)!

Get those cards and tapes in the mail, please! :-)

(Why did he near-panic? Because I told him it looked like the money I had planned to spend on a dual-bander for the car would go instead to pay for the FCC database... oops! :-(

--
+++ 73 de N7IKQ +++
Rusty Carruth {ames!ncar!noao!asuvax,mcdphx}!anasaz!rusty
P.O. Box 27001, Tempe, AZ 85285 anasaz!rusty@asuvax.eas.asu.edu
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz
The Ham Callsign Project, part 3 (the 1990 version) - its HERE! Email for info

---

Date: 22 Nov 90 04:40:28 GMT
From:

usc!samsung!munnari.oz.au!brolga!uqcspe!batserver.cs.uq.oz.au!dusan@rutgers.edu
(Dusan Baljevic)
Subject: Club stations...
To: info-hams@ucsd.edu

This is my second posting because the one I sent a couple of months ago within Australia was a disaster (nobody responded!) and there might be some reasonable explanations, so either:

a. VK-hams were not interested to answer me
b. there were/are not many VK-hams on the Inet
c. people were lazy to comment believing
   that "someone else" would do so...
d. or I was boring...

Anyway, here it is again.

I have been a ham for 18 years now (I am 31 years old) and back in Yugoslavia I had a call YU6FO (ex YU6ZCW). I am now in Australia with my family and am actively engaged in getting my VK-call soon.

I have taken the trouble of writing this because I feel an urge to learn something about club stations in other countries... Funny, I never asked myself that question when I was in YU because I had a feeling that all the clubs work under similar principles.

The reason: well, to my disappointment I have found out that there are no radio-clubs here in VK4 (I am talking about Brisbane, at least) that have much in common with the organization and activities of the clubs in the area where I used to live - that is YU6 and YU4-land.

As an example I'll take YU6BLM. It was a main radio club in the town called Titograd and was located almost in the very centre (founded back in 1946). The vicinity of a TV station did cause problems a couple of times but we managed to handle them.

Well, the club had several rooms:

- a "social-events" room (general meetings and gatherings)
- a library
- a CW-learning room (with a lot of keyers...)
- a shack (HF, VHF/UHF
- a "spare-parts" room (we called it magazine)
- a do-it-yourself room (with all the tools...)
- a computer room (with C-64 in my time)

We have got a special grant from the Township Committee as an non-profit and educational organization so the rent of these premises was a trifle. Let's say that the renting was almost free!

We found enough retired people who were hams that were more than willing to come every afternoon between 17:00 and 20:00 and open the club for public. They were also taking care of the club's property, etc. Of course, they got paid for this work - it was not much but still it helped them... There were some additional keys of the club which could use just approved persons (those that could be trusted - at least in opinion of the club Secretariat - in fact we never made a mistake and no one complained about this).

We subscribed to several radio-amateur magazines and everybody could come and read them. Also, we managed to complete a pretty good library of electronics and computer books and periodicals.

The money for our activities was coming from several sources:

- Youth organizations
- Educational institutions and organizations
- Industry (Manufacturers,...)
- Township budget

All in all, it was not bad. And we managed to attract a lot of young people. Often it was because they would hear some "dit-dah" noise outside while they were passing-by, and they wanted to check what it was... Or we would give some lectures in schools...

Also, we visited schools (primary and secondary), factories, various organizations, etc. We were organizing joint activities with Scouts Association, Youth Association, Society of blind people, schools, etc.

Usually several times a year we were given some old equipment from the Post, Army, Police, Factories (spare parts were not much of a problem) and that helped us quite a bit.

I can proudly say that probably a couple of hundreds of people learned the basics of Morse code, electronics... in a couple of years time (remember: learning CW takes some six months of work - for an average person that does not want to practice it 20 hours a day).(PLEASE DO NOT COMMENT MUCH ON THE TIME a person needs to learn CW; I learned it in 1972 in ONE DAY and I can cope with speeds of 25-30 groups without problems AND I AM NOT A GENIUS. You know, we all differ!) And I never pushed people into CW - if they wanted to learn I was there to help, otherwise there were/are so many other interesting activities... (I personaly dislike contests but I have never laughed at people that think the opposite...)

At the same time, we tried to "spread" our club - actually we realized that in the town with about 100,000 inhabitants one club was not enough. So we began forming other clubs in suburbs and interesting places:

- YU6GBA
- YU6GBB suburb
- YU6GBC
- YU6GBD factory
- YU6GBF
- YU6GAS University of Titograd

In the begining, all these clubs were under supervision of YU6BLM, and later they got their "authonomy" (Hi, what a strong word in the world of ham-radio!).

The equipment in the shack was used only by licenced operators and we never had a problem of a misuse. That way, the hams that could not afford buying their own equipment were still able to practice and work. We even had more equipment than we needed, so it was decided that those hams that could prove having an interest in ham-radio should get some of the equipment and use it at home.

Believe it or not, but back in 1981-1985 (that was a period of blossoming) our clubs were full with members. The parents of children were grateful for the opportunity because they knew where their kids were and what they were doing (please, do not comment on this with jokes...- I have a 3-year old daughter and even NOW am worried what might happen in the future).

Occasionally we would organize some VHF/UHF expeditions and it was wonderful (some of you people might remember those first visits to the rare JB47 locator near the ZA-border...).

All courses and seminars were free. That included the RAEs. We believed that it would not be fair to children and others if they had to pay for exams... And to be frank, everything costs nowdays so would't it be great to have something FREE.

So, that is about it. I do not want to praise myself and our clubs but would like to know how others deal with this.

Do you have clubs like that? Is it free when you want to take an amateur exam? Do you attract enough youngsters nowdays? What is the main characteristics of the new amateurs (young, male, retired, or...)
(OLDER PEOPLE PLEASE DO NOT FEEL OFFENDED: I have always been looking forward to "recruiting" ANY person in ham-radio, and I stressed the importance of youngsters because the future belongs to them).

It was not my intention to explain all the details about the activities of radio-clubs (because it would take much more space) - I gave just brief details which might explain some facts.

To all hams that might read this posting I wish good health (before everything!) and enjoy your hobby. That's it: ENJOY IT. And I still like 10m band...

And please comment on this if you have something useful to say, for the benefit of ham-radio (or, at least to satisfy my interest). If you want to make fun or to make others look funny then please mail me direct - without bothering others. Yes, I know it is easy to be smart - and very easy to critisize others!

Dusan (aka Dule), YU6FO/VK4

Internet: dusan@uqcspe.cs.uq.oz.au

Department of Computer Science
The University of Queensland 4072

Queensland - Australia

PS. I talked about the situation in YU6BLM as an example. I do not say we did it the right way (who knows?!) but I really would like to know your way of doing it. And yes, I have no idea what is going on in YU6BLM now...

Date: 21 Nov 90 21:07:24 GMT
From: hpcc05!col!kenw@hplabs.hpl.hp.com (Ken Wyatt)
Subject: CMOS Super Keyer II, 11/90 QST
To: info-hams@ucsd.edu

On the other hand.....

Many software listings are mighty long. Magazines these days are usually not willing to "waste" their pages on long listings. A good compromise, however, would be for the author or magazine to provide program listings for a nominal cost upon request.

Ken (an author) Wyatt

Date: 19 Nov 90 02:42:52 GMT
From:

att!linac!pacific.mps.ohio-state.edu!zaphod.mps.ohio-state.edu!caen!umich!shark
ey!lopez!flash@ucbvax.Berkeley.EDU (Gary Bourgois)
Subject: Glen Hauser to move to WWCR! (Listening Tip)
To: info-hams@ucsd.edu

Popular Monitoring Times Columnist and host of WORLD OF RADIO, Glen Hauser will be heard on WWCR, The powerhouse international broadcaster, beginning Sunday 25 November 1990. His broadcasts will then be aired regularly thereafter. Convieniently scheduled for 8:30pm Eastern Standard Time (0130UTC while the USA is on Standard Time), and blasted out with a few MILLION watts of ERP on 7520 KHZ, Glen will be heard for the first time reliably in Europe.

You might be aware that Glen's WORLD OF RADIO has aired for many years over WRNO, the one time powerhouse gone flea power. With the WRNO signal now more of a JOKE than a broadcast service, Hauser has made the right move.

Interestingly, the program will air RIGHT BEFORE the four hour weekly broadcasts of RADIO NEW YORK INTERNATIONAL, making sunday a true night for good listening for the shortwave buff.

If you are a regular listener of Hauser's program, you are no doubt aware that it is a mixture of Good DX and station news, tips, tidbits, and a smattering of left wing political commentary. Hauser is an athiest, and in the past has featured "TIPS FOR RATIONAL LIVING" as part of his program. This feature ridicules religious practice, and promotes humanism. I will be very interested to see if Hauser continues this feature now that his program will be heard over WWCR, which is a Christian Station.

Most of the programs aired during the week on WWCR are a mix of Religious programs, most of them in the old time religion vein during the day. In the evening, the station switches to talk shows from the SUN RADIO NETWORK, with Chuck Harder (Consumer help and weird science) and Tom Valentine (Right Wing Politics and WEIRDER science).

Last week Harder talked about the N-MACHINE, which is a device that is supposed to produce more electric power than it takes in, making it in effect a perpetual motion machine. Valentine, not to be outdone, had on a man who claims that his invention has lowered SMOG in Los Angeles, through manipulation of the "ether". The anti-smog machine has no moving parts, but relies on its geometric shape to dispell the noxious fumes. He wants the Los Angeles City Government to pay him a million dollars a month to continue his services. He cites the figures that prove his device works, and even uses newspaper headlines about lower smog levels. Since Los Angeles is ignoring him, he is packing up his technology and going to Japan with it. He says "Just you watch. NEXT YEAR the smog levels will increase". Of course if they do, he will have all the impirical evidence he needs. And if they don't... Well we won't hear from HIM any more.

In any case, HAUSER has also ridiculed these programs, and encouraged people who have any scientific knowledge to call and try and debunk these guys. When someone DOES call though, Valentine refuses to let them speak if they disagree, or he chides them. After being so critical of the station and its programming, Hauser now finds himself on the same station.

It is probably NO ACCIDENT though that WORLD OF RADIO will be airing immediately before RNI's weekly shows.

=====

RNI and its rotating schedule

=====

7520 KHZ 0200 - 0600 Z Via WWCR Sunday (USA) Monday (UTC)

Radio NewYork International, meanwhile has settled down to a very regular schedule. Unfortunately, the best program host (Johnny Lightning) is heard only once a week. My own personal LEAST-favorite (Pirate Joe) is heard twice a month (or more depending on the month) Now if you are a lefty liberal 1960's anti war-save the wales-peacenick who gets into those old vietnam era protest songs and mindset, YOUR mileage might vary. I prefer irreverance and biting satire, ala Johnny Lightning to the predictable Pirate Joe. Other shows include "A different kind of oldies show" which is not all that different a kind of oldies show, really... AND the Steele Ship (host Randi Steele), who is in a similar mold to pirate joe, but not quite as bad. So far, the WORST RNI program was Pirate Joe broadcasting a distorted recording of the ANTI WAR rally which took place in NYC in protest of the Desert Shield Situation. Joe must be in his glory with another war to protest. EVERYONE I know who listens to RNI flipped the station off after the program got interminable. I bet even the most loyal RNI listeners just could not take this program. HOW ABOUT IT, ANYONE ELSE LISTEN THAT NIGHT?

That's all of my time.

Thank you for Yours.

G.Bourgois
System Administrator, Great White North UPLINK
THE radio oriented BBS. Free guest access to ALL
USENET radio oriented conferences AND the Internet
Pirate Radio Newsletter (when published)
(906) 228-4399

--
=Marquette MI: It's Not the END of the world, but you can see it from here=
== Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash) GWN UPLink ==
== 3.950 Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================

Date: 20 Nov 90 21:54:41 GMT
From: haven!wam!htucker@louie.udel.edu (Howard I. Tucker)
Subject: Ground Station Software
To: info-hams@ucsd.edu

Help!

I would like to obtain the ground station software for the new pac-sats. Would anyone consider mailing me a copy on disk...(360k,1.2meg or 1.44meg)?

I have a compuserve account that I have not used in over 3.5 years....frankly I forgot all the local acess numbers and how to use the networks to get into it. (I DO remember my account and password!)

I really do not want to call the Dallas DRIG BBS....I have only have access to 300 baud during daytime rates!

Thanks for your help in advance......

73 de KA1SUR/3

htucker@wam.umd.edu
KA1SUR@WB1CQO (Fairfield, CT)

President Bush:

"Make Love, Not War!"......Bart Simpson says, "War is Bad!"

Date: 19 Nov 90 21:34:55 GMT
From: pilchuck!ssc!tad@uunet.uu.net (Tad Cook)
Subject: ICOM Batteries (memory)
To: info-hams@ucsd.edu

There have been several postings on here lately about the battery in some ICOM HF radios that holds memory. Some folks fear that the battery will wear out in a few years, and they sill be stuck with a microprocessor controlled radio with no "brains."

I talked to Bill Everett of ICOM today. He said that the batteries in ICOM radios (I'm NOT talking about the battery that POWERS your HT!) have a predicted life of over 15 years. If you want to replace yours before it runs out, and are afraid of losing memory, float a power supply across the battery that is set at about the same voltage as the battery. Then remove the battery, and replace it. Keeping voltage on it will keep the memory alive.

If you want ICOM to do it, you can send in your radio, and for $25 they will replace the battery. This includes parts and labor.

If you want to contact Bill Everett at ICOM, his email address is
76702.753@compuserve.com

He has some trouble replying to internet mail though. Listing a couple of variations of domain addresses could help if you want a reply.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

Date: 19 Nov 90 21:46:37 GMT
From:

usc!wuarchive!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!news.cs.indiana.edu!news.nd.e

du!cartan!ndmath!nstar!w8grt!jim.grubs@ucsd.edu (Jim Grubs)
Subject: Internet-Packet Reply (LONG!)
To: info-hams@ucsd.edu

> From: skipsand@crash.cts.com (Skip Sanders)
> Date: 18 Nov 90 23:08:25 GMT
> Organization: Crash TimeSharing, El Cajon, CA
> Message-ID: <5713@crash.cts.com>
> Newsgroups: rec.ham-radio
>
> You do of course realize that linking any internet/usenet group to an
> on-air
> system is illegal, do you not? All such links must have all messages
> which
> are available "on-air" checked and approved by a licenced control
> operator
> ham BEFORE they are available on air.

Piffle! A good EDMEESE type program should catch 99.9% of the possible improper
messages. As long as we make a good faith effort to comply, the FCC won't
nitpick if an occasional clinker slips through.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

Date: 20 Nov 90 13:01:36 GMT
From:

usc!zaphod.mps.ohio-state.edu!caen!hellgate.utah.edu!fcom.cc.utah.edu!cc.utah.e
du!conf@ucsd.edu
Subject: Packet Test - Volunteers wanted
To: info-hams@ucsd.edu

In article <577@lrark.UUCP>, rick@lrark.UUCP (Rick Mobley) writes:
> In article <538@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
> >
> >Do you have access to both Usenet and your local VHF packet BBS?
>
> Yes, both.
>
> >Can you help me with a little experiment?
>
> Sure.
>
> >I need several packet stations who can do a couple of tests for me,
> >which involve listing some bulletins off of their local VHF packet BBS,
> >and then e-mailing the listings to me on Usenet. This is just a short
> >term experiment, and quite easy.
> >

> >I need folks in several areas across the MIDDLE of the USA, like in
> >Salt Lake City, Denver, Kansas City, St. Louis, and possibly Chicago,
> >Atlanta, Nashville and New Orleans.
>
> Arkansas falls in the area you described.
>
> >If you think you can help, contact me and let me tell you what I
> >need.
>
> Contact me at the bang path below. Still waiting on the maps to get
> caught up with me.
>
> 73
>
> --
> rick@lrark.UUCP   *   bang path --> uunet!ddi1!lrark!rick   *
> Ricky Mobley   *   LRTUG (501) 224-9454   *
> 1800 Sanford Dr. #4   *   GEnie Unix RT SysOp address LRARK   *
> Little Rock, AR 72207 *   WB5FDP.AR.USA.NA wb5fdp.ampr.org   *

Date: 19 Nov 90 15:26:25 GMT
From:

usc!wuarchive!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!news.cs.indiana.edu!news.nd.edu!cartan!ndmath!nstar!w8grt!jim.grubs@ucsd.edu (Jim Grubs)
Subject: Preliminary call for discussion: rec.ham-radio.legal
To: info-hams@ucsd.edu

> From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
> Date: 18 Nov 90 19:35:01 GMT
> Organization: University of Illinois at Urbana
> Message-ID: <1990Nov18.193501.13516@ux1.cso.uiuc.edu>
> Newsgroups: rec.ham-radio
>
> jmaynard@thesis1.hsch.utexas.edu (Jay Maynard) writes:
>
> >If no serious objections arise in the next week, I intend to start a formal
> >Call for Discussion in news.groups in a week or so. Let's kick it around,
> >and see if we can reach a consensus. I'd like to see a finished proposal
> >ready to go before the news.groupies have a chance to flame it, and hashing
> >out the issues here will improve the group's chance for success.
>
> I'm all for it. But you'd expect that.

Me, too, but what good is it if everyone does multiple posts? With RARE
exceptions the only time I post an article in two or more newsgroups is in
reply to someone else who did (and I'm therefore uncertain which one he's
actually reading). But some people do it habitually. That would tend to defeat
the purpose.

When we say rec.ham-radio.legal, are we including tower cases, etc., or only

FCC regulatory matters? If the latter, then rec.ham-radio.fcc might be more
descriptive.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

Date: 20 Nov 90 06:04:38 GMT
From:

snorkelwacker.mit.edu!usc!cs.utexas.edu!helps!bongo!julian@bloom-beacon.mit.edu
 (Julian Macassey)
Subject: Preliminary call for discussion: rec.ham-radio legal
To: info-hams@ucsd.edu

In article <11470.2746eb6e@ecs.umass.edu>, scott@ecs.umass.edu writes:
> I would like to see some specific reasons for the establishment of yet
another
lay out all
> their reasons for such. I get the feeling that some folks are outraged by
any
milky
> bland or highly technical or supportive of the (genuflect) ARRL is to be

Info-Hams Digest   Thu, 22 Nov 90   Volume 90 : Issue 438

Today's Topics:
ARRL news (2 msgs)
Callsign project
Club stations...
CMOS Super Keyer II, 11/90 QST
Glen Hauser to move to WWCR! (Listening Tip)
Ground Station Software
ICOM Batteries (memory)
Internet-Packet Reply (LONG!)
Packet Test - Volunteers wanted
Preliminary call for discussion: rec.ham-radio.legal
Preliminary call for discussion: rec.ham-radio legal
Questions on Phased Verticals (long)
rn KILL files
The Big One (was Move earthquake)
Usenet UnNet-be there!

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 21 Nov 90 20:58:01 GMT
From: n8emr!gws@tut.cis.ohio-state.edu (Gary Sanders)
Subject: ARRL news
To: info-hams@ucsd.edu

Return-Path: <n8emr!W8PH>
Message-Id: <m0ibn4l-0001ETC@n8emr.uucp>
[Date: Wed, 21 Nov 90 00:35 EST
[To: <ALL@ARRL>
R:901121/0513z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:12957 Z:43232
R:901121/0455 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:52760 Z:43103
R:901121/0213 @:WB8JIB.#DAY.OH.USA.NA Yellow Springs #:10369 Z:45387

ARRL BULLETIN 49 ARLB049
FROM ARRL HEADQUARTERS
NEWINGTON CT NOVEMBER 20, 1990
TO ALL RADIO AMATEURS

THE ARRL COMMITTEE OF TELLERS FOR THE ELECTION OF DIRECTORS AND VICE DIRECTORS FOR THE 1991-1992 TERM MET AT ARRL HEADQUARTERS NOVEMBER 20 TO COUNT BALLOTS. HERE ARE THE RESULTS.

CENTRAL DIVISION FOR VICE DIRECTOR
HUNTINGTON, K9KM, 2231
HOSHIKO, W9CJW, 1065
EBNETER, K9EN, 928

HUDSON DIVISION FOR DIRECTOR
MENDELSOHN, WA2DHF, 2898
BIANCOMANO, WB2EZG, 1235

NORTHWESTERN DIVISION FOR DIRECTOR
LEWIS, W7QGP, 2382
SHRADER, W7QMU, 2272

ROCKY MOUNTAIN DIVISION FOR VICE DIRECTOR
SCUPP, WB5YYX, 948
CAREY, K0PGM, 925

WEST GULF DIVISION FOR DIRECTOR
COMSTOCK, N5TC, 2641
ALBURY, W5SOQ, 1234

IN EACH CASE, THE CANDIDATE RECEIVING THE GREATEST NUMBER OF VOTES WAS DECLARED ELECTED. OTHER CANDIDATES FOR OFFICE WERE UNOPPOSED AND WERE PREVIOUSLY DECLARED ELECTED, AS REPORTED IN NOVEMBER QST, PAGE 57. THE TERMS OF OFFICE ARE TWO YEARS, BEGINNING AT NOON JANUARY 1, 1991

Date: 21 Nov 90 20:57:38 GMT
From: n8emr!gws@tut.cis.ohio-state.edu (Gary Sanders)
Subject: ARRL news
To: info-hams@ucsd.edu

Date: 20 Nov 90 06:20:13 GMT
From:
csus.edu!wuarchive!cs.utexas.edu!asuvax!anasaz!qip!rusty@ucdavis.ucdavis.edu
(Rusty Carruth)
Subject: Callsign project
To: info-hams@ucsd.edu

I was talking to John Moore NJ7E today, and he asked me how the callsign project was going. I told him, and he panicked. (Well,almost) So, he suggested that I remind everyone that the callsign project is currently underway (I await the data from the NTIS which I ordered a month ago)!

Get those cards and tapes in the mail, please! :-)

(Why did he near-panic? Because I told him it looked like the money I had planned to spend on a dual-bander for the car would go instead to pay for the FCC database... oops! :-(

--
+++ 73 de N7IKQ +++
Rusty Carruth {ames!ncar!noao!asuvax,mcdphx}!anasaz!rusty
P.O. Box 27001, Tempe, AZ 85285 anasaz!rusty@asuvax.eas.asu.edu
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz
The Ham Callsign Project, part 3 (the 1990 version) - its HERE! Email for info

---

Date: 22 Nov 90 04:40:28 GMT
From:

usc!samsung!munnari.oz.au!brolga!uqcspe!batserver.cs.uq.oz.au!dusan@rutgers.edu
(Dusan Baljevic)
Subject: Club stations...
To: info-hams@ucsd.edu

This is my second posting because the one I sent a couple of months ago within Australia was a disaster (nobody responded!) and there might be some reasonable explanations, so either:

a. VK-hams were not interested to answer me

 b. there were/are not many VK-hams on the Inet
 c. people were lazy to comment believing
    that "someone else" would do so...
 d. or I was boring...

Anyway, here it is again.

I have been a ham for 18 years now (I am 31 years old) and back in Yugoslavia I had a call YU6FO (ex YU6ZCW). I am now in Australia with my family and am actively engaged in getting my VK-call soon.

I have taken the trouble of writing this because I feel an urge to learn something about club stations in other countries... Funny, I never asked myself that question when I was in YU because I had a feeling that all the clubs work under similar principles.

The reason: well, to my disappointment I have found out that there are no radio-clubs here in VK4 (I am talking about Brisbane, at least) that have much in common with the organization and activities of the clubs in the area where I used to live - that is YU6 and YU4-land.

As an example I'll take YU6BLM. It was a main radio club in the town called Titograd and was located almost in the very centre (founded back in 1946). The vicinity of a TV station did cause problems a couple of times but we managed to handle them.

Well, the club had several rooms:

- a "social-events" room (general meetings and gatherings)
- a library
- a CW-learning room (with a lot of keyers...)
- a shack (HF, VHF/UHF
- a "spare-parts" room (we called it magazine)
- a do-it-yourself room (with all the tools...)
- a computer room (with C-64 in my time)

We have got a special grant from the Township Committee as an non-profit and educational organization so the rent of these premises was a trifle. Let's say that the renting was almost free!

We found enough retired people who were hams that were more than willing to come every afternoon between 17:00 and 20:00 and open the club for public. They were also taking care of the club's property, etc. Of course, they got paid for this work - it was not much but still it helped them... There were some additional keys of the club which could use just approved persons (those that could be trusted - at least in opinion of the club Secretariat - in fact we never made a mistake and no one complained about this).

We subscribed to several radio-amateur magazines and everybody could come and read them. Also, we managed to complete a pretty good library of electronics and computer books and periodicals.

The money for our activities was coming from several sources:

- Youth organizations
- Educational institutions and organizations
- Industry (Manufacturers,...)
- Township budget

All in all, it was not bad. And we managed to attract a lot of young people. Often it was because they would hear some "dit-dah" noise outside while they were passing-by, and they wanted to check what it was... Or we would give some lectures in schools...

Also, we visited schools (primary and secondary), factories, various organizations, etc. We were organizing joint activities with Scouts Association, Youth Association, Society of blind people, schools, etc.

Usually several times a year we were given some old equipment from the Post, Army, Police, Factories (spare parts were not much of a problem) and that helped us quite a bit.

I can proudly say that probably a couple of hundreds of people learned the basics of Morse code, electronics... in a couple of years time (remember: learning CW takes some six months of work - for an average person that does not want to practice it 20 hours a day).(PLEASE DO NOT COMMENT MUCH ON THE TIME a person needs to learn CW; I learned it in 1972 in ONE DAY and I can cope with speeds of 25-30 groups without problems AND I AM NOT A GENIUS. You know, we all differ!) And I never pushed people into CW - if they wanted to learn I was there to help, otherwise there were/are so many other interesting activities... (I personaly dislike contests but I have never laughed at people that think the opposite...)

At the same time, we tried to "spread" our club - actually we realized that in the town with about 100,000 inhabitants one club was not enough. So we began forming other clubs in suburbs and interesting places:

- YU6GBA
- YU6GBB suburb
- YU6GBC
- YU6GBD factory
- YU6GBF
- YU6GAS University of Titograd

In the begining, all these clubs were under supervision of YU6BLM, and later they got their "authonomy" (Hi, what a strong word in the world of ham-radio!).

The equipment in the shack was used only by licenced operators and we never had a problem of a misuse. That way, the hams that could not afford buying their own equipment were still able to practice and work. We even had more equipment than we needed, so it was decided that those hams that could prove having an interest in ham-radio should get some of the equipment and use it at home.

Believe it or not, but back in 1981-1985 (that was a period of blossoming) our clubs were full with members. The parents of children were grateful for the opportunity because they knew where their kids were and what they were doing (please, do not comment on this with jokes...- I have a 3-year old daughter and even NOW am worried what might happen in the future).

Occasionally we would organize some VHF/UHF expeditions and it was wonderful (some of you people might remember those first visits to the rare JB47 locator near the ZA-border...).

All courses and seminars were free. That included the RAEs. We believed that it would not be fair to children and others if they had to pay for exams... And to be frank, everything costs nowdays so would't it be great to have something FREE.

So, that is about it. I do not want to praise myself and our clubs but would like to know how others deal with this.

Do you have clubs like that? Is it free when you want to take an amateur exam? Do you attract enough youngsters nowdays? What is the main characteristics of the new amateurs (young, male, retired, or...)
(OLDER PEOPLE PLEASE DO NOT FEEL OFFENDED: I have always been looking forward to "recruiting" ANY person in ham-radio, and I stressed the importance of youngsters because the future belongs to them).

It was not my intention to explain all the details about the activities of radio-clubs (because it would take much more space) - I gave just brief details which might explain some facts.

To all hams that might read this posting I wish good health (before everything!) and enjoy your hobby. That's it: ENJOY IT. And I still like 10m band...

And please comment on this if you have something useful to say, for the benefit of ham-radio (or, at least to satisfy my interest). If you want to make fun or to make others look funny then please mail me direct - without bothering others. Yes, I know it is easy to be smart - and very easy to critisize others!

Dusan (aka Dule), YU6FO/VK4

Internet: dusan@uqcspe.cs.uq.oz.au

Department of Computer Science
The University of Queensland 4072
Queensland - Australia

PS. I talked about the situation in YU6BLM as an example. I do not say we did it the right way (who knows?!) but I really would like to know your way of doing it. And yes, I have no idea what is going on in YU6BLM now...

Date: 21 Nov 90 21:07:24 GMT
From: hpcc05!col!kenw@hplabs.hpl.hp.com (Ken Wyatt)
Subject: CMOS Super Keyer II, 11/90 QST
To: info-hams@ucsd.edu

On the other hand.....

Many software listings are mighty long. Magazines these days are usually not willing to "waste" their pages on long listings. A good compromise, however, would be for the author or magazine to provide program listings for a nominal cost upon request.

Ken (an author) Wyatt

Date: 19 Nov 90 02:42:52 GMT
From:

att!linac!pacific.mps.ohio-state.edu!zaphod.mps.ohio-state.edu!caen!umich!sharkey!lopez!flash@ucbvax.Berkeley.EDU (Gary Bourgois)
Subject: Glen Hauser to move to WWCR! (Listening Tip)
To: info-hams@ucsd.edu

Popular Monitoring Times Columnist and host of WORLD OF RADIO, Glen Hauser will be heard on WWCR, The powerhouse international broadcaster, beginning Sunday 25 November 1990. His broadcasts will then be aired regularly thereafter. Convieniently scheduled for 8:30pm Eastern Standard Time (0130UTC while the USA is on Standard Time), and blasted out with a few MILLION watts of ERP on 7520 KHZ, Glen will be heard for the first time reliably in Europe.

You might be aware that Glen's WORLD OF RADIO has aired for many years over WRNO, the one time powerhouse gone flea power. With the WRNO signal now more of a JOKE than a broadcast service, Hauser has made the right move.

Interestingly, the program will air RIGHT BEFORE the four hour weekly broadcasts of RADIO NEW YORK INTERNATIONAL, making sunday a true night for good listening for the shortwave buff.

If you are a regular listener of Hauser's program, you are no doubt aware that it is a mixture of Good DX and station news, tips, tidbits, and a smattering of left wing political commentary. Hauser is an athiest, and in the past has featured "TIPS FOR RATIONAL LIVING" as part of his program. This feature ridicules religious practice, and promotes humanism. I will be very interested to see if Hauser continues this feature now that his program will be heard over WWCR, which is a Christian Station.

Most of the programs aired during the week on WWCR are a mix of Religious programs, most of them in the old time religion vein during the day. In the evening, the station switches to talk shows from the SUN RADIO NETWORK, with Chuck Harder (Consumer help and weird science) and Tom Valentine (Right Wing Politics and WEIRDER science).

Last week Harder talked about the N-MACHINE, which is a device that is supposed to produce more electric power than it takes in, making it in effect a perpetual motion machine. Valentine, not to be outdone, had on a man who claims that his invention has lowered SMOG in Los Angeles, through manipulation of the "ether". The anti-smog machine has no moving parts, but relies on its geometric shape to dispell the noxious fumes. He wants the Los Angeles City Government to pay him a million dollars a month to continue his services. He cites the figures that prove his device works, and even uses newspaper headlines about lower smog levels. Since Los Angeles is ignoring him, he is packing up his technology and going to Japan with it. He says "Just you watch. NEXT YEAR the smog levels will increase". Of course if they do, he will have all the impirical evidence he needs. And if they don't... Well we won't hear from HIM any more.

In any case, HAUSER has also ridiculed these programs, and encouraged people who have any scientific knowledge to call and try and debunk these guys. When someone DOES call though, Valentine refuses to let them speak if they disagree, or he chides them. After being so critical of the station and its programming, Hauser now finds himself on the same station.

It is probably NO ACCIDENT though that WORLD OF RADIO will be airing immediately before RNI's weekly shows.

=====

RNI and its rotating schedule

=====

7520 KHZ 0200 - 0600 Z Via WWCR Sunday (USA) Monday (UTC)

Radio NewYork International, meanwhile has settled down to a very regular schedule. Unfortunately, the best program host (Johnny

Lightning) is heard only once a week. My own personal LEAST-favorite (Pirate Joe) is heard twice a month (or more depending on the month) Now if you are a lefty liberal 1960's anti war-save the wales-peacenick who gets into those old vietnam era protest songs and mindset, YOUR mileage might vary. I prefer irreverance and biting satire, ala Johnny Lightning to the predictable Pirate Joe. Other shows include "A different kind of oldies show" which is not all that different a kind of oldies show, really... AND the Steele Ship (host Randi Steele), who is in a similar mold to pirate joe, but not quite as bad. So far, the WORST RNI program was Pirate Joe broadcasting a distorted recording of the ANTI WAR rally which took place in NYC in protest of the Desert Shield Situation. Joe must be in his glory with another war to protest. EVERYONE I know who listens to RNI flipped the station off after the program got interminable. I bet even the most loyal RNI listeners just could not take this program. HOW ABOUT IT, ANYONE ELSE LISTEN THAT NIGHT?

That's all of my time.

Thank you for Yours.

G.Bourgois
System Administrator, Great White North UPLINK
THE radio oriented BBS. Free guest access to ALL
USENET radio oriented conferences AND the Internet
Pirate Radio Newsletter (when published)
(906) 228-4399

```
--
=Marquette MI: It's Not the END of the world, but you can see it from here=
==  Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash)  GWN UPLink  ==
==  3.950  Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================
```

Date: 20 Nov 90 21:54:41 GMT
From: haven!wam!htucker@louie.udel.edu (Howard I. Tucker)
Subject: Ground Station Software
To: info-hams@ucsd.edu

Help!

I would like to obtain the ground station software for the new pac-sats. Would anyone consider mailing me a copy on disk...(360k,1.2meg or 1.44meg)?

I have a compuserve account that I have not used in over 3.5 years....frankly I forgot all the local acess numbers and how to use the networks to get into it. (I DO remember my account and password!)

I really do not want to call the Dallas DRIG BBS....I have only have access to

300 baud during daytime rates!

Thanks for your help in advance......

73 de KA1SUR/3
htucker@wam.umd.edu
KA1SUR@WB1CQO (Fairfield, CT)

President Bush:

"Make Love, Not War!"......Bart Simpson says, "War is Bad!"

Date: 19 Nov 90 21:34:55 GMT
From: pilchuck!ssc!tad@uunet.uu.net (Tad Cook)
Subject: ICOM Batteries (memory)
To: info-hams@ucsd.edu

There have been several postings on here lately about the battery in some ICOM HF radios that holds memory. Some folks fear that the battery will wear out in a few years, and they sill be stuck with a microprocessor controlled radio with no "brains."

I talked to Bill Everett of ICOM today. He said that the batteries in ICOM radios (I'm NOT talking about the battery that POWERS your HT!) have a predicted life of over 15 years. If you want to replace yours before it runs out, and are afraid of losing memory, float a power supply across the battery that is set at about the same voltage as the battery. Then remove the battery, and replace it. Keeping voltage on it will keep the memory alive.

If you want ICOM to do it, you can send in your radio, and for $25 they will replace the battery. This includes parts and labor.

If you want to contact Bill Everett at ICOM, his email address is
76702.753@compuserve.com

He has some trouble replying to internet mail though. Listing a couple of variations of domain addresses could help if you want a reply.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

Date: 19 Nov 90 21:46:37 GMT
From:

usc!wuarchive!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!news.cs.indiana.edu!news.nd.edu!cartan!ndmath!nstar!w8grt!jim.grubs@ucsd.edu (Jim Grubs)
Subject: Internet-Packet Reply (LONG!)
To: info-hams@ucsd.edu

> From: skipsand@crash.cts.com (Skip Sanders)
> Date: 18 Nov 90 23:08:25 GMT
> Organization: Crash TimeSharing, El Cajon, CA
> Message-ID: <5713@crash.cts.com>
> Newsgroups: rec.ham-radio
>
> You do of course realize that linking any internet/usenet group to an
> on-air
> system is illegal, do you not? All such links must have all messages
> which
> are available "on-air" checked and approved by a licenced control
> operator
> ham BEFORE they are available on air.

Piffle! A good EDMEESE type program should catch 99.9% of the possible improper messages. As long as we make a good faith effort to comply, the FCC won't nitpick if an occasional clinker slips through.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

Date: 20 Nov 90 13:01:36 GMT
From:

usc!zaphod.mps.ohio-state.edu!caen!hellgate.utah.edu!fcom.cc.utah.edu!cc.utah.edu!conf@ucsd.edu
Subject: Packet Test - Volunteers wanted
To: info-hams@ucsd.edu

In article <577@lrark.UUCP>, rick@lrark.UUCP (Rick Mobley) writes:
> In article <538@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
> >
> >Do you have access to both Usenet and your local VHF packet BBS?
>
> Yes, both.
>
> >Can you help me with a little experiment?
>
> Sure.

>
> >I need several packet stations who can do a couple of tests for me,
> >which involve listing some bulletins off of their local VHF packet BBS,
> >and then e-mailing the listings to me on Usenet. This is just a short
> >term experiment, and quite easy.
> >
> >I need folks in several areas across the MIDDLE of the USA, like in
> >Salt Lake City, Denver, Kansas City, St. Louis, and possibly Chicago,
> >Atlanta, Nashville and New Orleans.
>
> Arkansas falls in the area you described.
>
> >If you think you can help, contact me and let me tell you what I
> >need.
>
> Contact me at the bang path below. Still waiting on the maps to get
> caught up with me.
>
> 73
>
> --
> rick@lrark.UUCP   *   bang path --> uunet!ddi1!lrark!rick   *
> Ricky Mobley   *   LRTUG (501) 224-9454   *
> 1800 Sanford Dr. #4   *   GEnie Unix RT SysOp address LRARK   *
> Little Rock, AR 72207 *   WB5FDP.AR.USA.NA wb5fdp.ampr.org   *

Date: 19 Nov 90 15:26:25 GMT
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usc!wuarchive!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!news.cs.indiana.edu!news.nd.edu!cartan!ndmath!nstar!w8grt!jim.grubs@ucsd.edu (Jim Grubs)
Subject: Preliminary call for discussion: rec.ham-radio.legal
To: info-hams@ucsd.edu

 > From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
 > Date: 18 Nov 90 19:35:01 GMT
 > Organization: University of Illinois at Urbana
 > Message-ID: <1990Nov18.193501.13516@ux1.cso.uiuc.edu>
 > Newsgroups: rec.ham-radio
 >
 > jmaynard@thesis1.hsch.utexas.edu (Jay Maynard) writes:
 >
 > >If no serious objections arise in the next week, I intend to start a formal
 > >Call for Discussion in news.groups in a week or so. Let's kick it around,
 > >and see if we can reach a consensus. I'd like to see a finished proposal
 > >ready to go before the news.groupies have a chance to flame it, and hashing
 > >out the issues here will improve the group's chance for success.
 >
 > I'm all for it. But you'd expect that.

Me, too, but what good is it if everyone does multiple posts? With RARE exceptions the only time I post an article in two or more newsgroups is in reply to someone else who did (and I'm therefore uncertain which one he's actually reading). But some people do it habitually. That would tend to defeat the purpose.

When we say rec.ham-radio.legal, are we including tower cases, etc., or only FCC regulatory matters? If the latter, then rec.ham-radio.fcc might be more descriptive.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

Date: 20 Nov 90 06:04:38 GMT
From:

snorkelwacker.mit.edu!usc!cs.utexas.edu!helps!bongo!julian@bloom-beacon.mit.edu
 (Julian Macassey)
Subject: Preliminary call for discussion: rec.ham-radio legal
To: info-hams@ucsd.edu

In article <11470.2746eb6e@ecs.umass.edu>, scott@ecs.umass.edu writes:
> I would like to see some specific reasons for the establishment of yet
another
lay out all
> their reasons for such. I get the feeling that some folks are outraged by
any
milky
> bland or highly technical or supportive of the (genuflect) ARRL is to be
> shunned by the enlightened - right?

Does humour imitate life?

Because of all the "It's illegal" carping of the narrow minded I and others have suggested that we create wrecked.ham-radio.lawyer etc. This has been a quiet giggle for the past year or so. In fact, just for giggles I have even created a newsgroup in my active file called rec.ham-radio.lawyer.

It is interesting to note that the dull dreary goody-goody attitude of the narrow minded has lead to the suggestion that they get their own forum. But at least this will give them an opportunity to drone on endlessly about matters legal and bureaucratic.

Of all the postings I have made here over the past 18 months, the one that got the most response was a scenario I fabricated to excite the armchair lawyers. I invented a scenario where I was on an auto-patch and someone put me on hold. While on hold, a song and two ads were played over the repeater. The response to this posting went on for weeks. If I ask anything slightly technical, it is usually ignored.

Maybe we should just call this group:
rec.ham-radio.humourless-bureaucrat

Why feed these people? Why don't we ignore them? Let's treat them with the contempt which they deserve. Giving them a news group will not stop them posting to rec.ham-radio saying: "Nja-nja, you can't do that. I'm going to tell the FCC about you."

Some of my most instructive hamming was illegal. Yes, I will even admit to running illegal phone patches on 2M and 23 cM between Sweden and Denmark. So I suppose I am now an international felon. I have even worked Germany, Holland, Belgium, Denmark and England from a commercial aircraft using a 2M walkie-talkie. So want to know if you can do this from a plane? Sure you can. Did it crash? Obviously not. Did I have the captains permission? Well on some these jaunts the captain (an SM) and I took turns working the rig. But 1,125 posters here will tell you that the plane will crash and you will go to hell after you have been to prison.

We now return you to the "You can't do that" postings that clutter this forum.

P.S. Loved the posting about not being allowed to use radios on Amtrak. Very funny.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

Date: 20 Nov 90 23:23:22 GMT
From: usc!wuarchive!emory!wa4mei!ke4zv!gary@apple.com (Gary Coffman)
Subject: Questions on Phased Verticals (long)
To: info-hams@ucsd.edu

In article <8304@gollum.twg.com> sawyer@twg.com (Bruce B. Sawyer) writes:
>Not having the ability to put up a decent tower and realizing that there is no
>such thing as a decent CQWW score without being able to run JA's on 40 all
>night, I just spent the weekend building a second 40 meter vertical out of
>scrap tubing lying around the yard. The plan here is to have two 40 meter
>verticals spaced a quarter wave apart and fed 90 degrees out of phase. This
>yields a cardiod pattern, and I have the major lobe aimed at 335 true (toward
>VU from the west coast). From what I can tell, this should yield roughly a
>3 dB gain over a single vertical approximately from YC through EA. Some
>curious anomalies came up during this little project, and I wonder if anybody
on
>the net who has had experience setting up phased verticals can explain what's
>going on for me.
>
>Each of the two verticals was tuned to be resonant at 7.025, and since there

are
>no traps they are amazingly flat over the whole band. By the time I get to
>7.300, the SWR is still only about 1.3! However, when I put the two together
>with the phasing harness, the SWR goes to about 2.5 (@7.025). It came down as
>I went off the top of the band, so I next began detuning both verticals by the
>same amount to get them resonant much lower. I ran out of tubing when I got
>them down to about 6.400, and now the SWR is about 1.8 at 7.025. The 1.8 I
can
1 to
>2 S-Units of gain (no way do I believe that, though!). So the way it is now
>is the way it's going to be this weekend unless some new inspiration hits
>(putting salt crystals in the swimming pool?). But I'm curious why I had to
>detune each vertical in order to get the system SWR down. I built a similar
>system for 2 meters and saw no such behavior: the SWR with both verticals
>connected was almost exactly the same as for each one.
>
>One short cut I took on this project is conceivably the explanation, but I'm
>not sure how it all relates. I had a scap 50' section of coax I used for the
>phasing harness, and I simply cut it so the difference between the two pieces
>was a quarter wave. Thus the pieces are not a quarter wave and a half wave
>pair, which is normal practice. A second factor is that the coax in the feed
>line and that in the phasing harness is different: the feedline is left over
>Ethernet cable (Belden 9880, which has V.F. of 0.8) and the phasing harness
>is from Radio Shack RG/8 (V.F. of 0.66).
>
>One other question, for anybody who has read this far. I know the feedpoint
>impedence of a vertical runs between 36 and 50 ohms depending on the number
>of radials and the slope at which they run away from the driven element. But
>I have a paperback book on Verticals which suggests using 72 ohm coax for the
>phasing harness, but gives no explanation for this. What gives?   Any help
>would be much appreciated--particularly via email so I can see it BEFORE CQWW!
>   AA6KX

You have a serious impedance mismatch in the system and are attempting to
compensate for it by introducing reactance by detuning the antennas. This
is the wrong approach. You need to use a section of 75 ohm line a quarter
wavelength long from each antenna to the combined feedpoint. The 75 ohm
quarter wave transmission line transformers will change the 50 ohm base
impedance of each antenna to 100 ohms. Summing the two 100 ohm feedlines
in parallel will result in a feedpoint impedance of 50 ohms. The quarter
wave phasing difference you need for a directional pattern can be obtained
by adding a quarter wave section of 50 ohm line between the end of one
of the 75 ohm transformers and one of the antennas. Tune each antenna
individually for a good 50 ohm match at resonance. There will be some
near field interaction when both antennas are driven. Do not readjust the
the resonant frequency of the antennas. Instead, readjust the base matching
networks to regain a 50 ohm match at each antenna base. Alternately you
can insert RF ammeters in the base of each tower and adjust your matching
networks for equal currents. This is a simplified view of the way we
do it in the broadcast biz.

Gary KE4ZV

Date: 19 Nov 90 15:03:25 GMT
From: apctrc!zslf08@uunet.uu.net (Steven L. Farmer)
Subject: rn KILL files
To: info-hams@ucsd.edu

Other rn users may find the following macro useful as an alternative to keeping a global kill file around. The macro causes all unread postings with the same author as the one currently displayed to be marked as read. This gem has been kicking around for awhile and was posted (somewhere, sometime) by dave@Galaxia.Newport.RI.US (David H. Brierley). I've bound it to the ^x (control x) key sequence since rot13 files are a rarity in the groups I read, but you can make the obvious change to bind it to another key. Using it in conjunction with the 'k' command to mark all unread postings with the same *subject line* as the one currently being displayed goes a long way towards preserving my sanity. Just place the following line in a file called .rnmac in your home directory (or add the line if you already have a .rnmac file).

```
^x %(%m=[ap]?/%t/h\:j^J:t)
```

When you encounter this first posting by a known drivel monger, just type ^x. Since the worst offenders usually make *lots* of postings, you often get to watch a long series of 'article nnnnn junked' messages scroll by. Its actually kind of satisying ;-)

73 - Steve WA5RPF

Date: 19 Nov 90 15:30:20 GMT
From:

csus.edu!wuarchive!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!news.cs.indiana.edu!news.nd.edu!cartan!ndmath!nstar!w8grt!jim.grubs@ucdavis.ucdavis.edu (Jim Grubs)
Subject: The Big One (was Move earthquake)
To: info-hams@ucsd.edu

> From: tad@ssc.UUCP (Tad Cook)
> Date: 18 Nov 90 08:40:27 GMT
> Organization: very little
> Message-ID: <546@ssc.UUCP>
> Newsgroups: rec.ham-radio
>
> In article <59127@microsoft.UUCP>, mikemr@microsoft.UUCP (Michael MRAZ)
> writes:
> > I saw that ham plate in the earthquake show and looked it up in an
> > earlier callbook. The guy was in there, in one of the L.A.
> > suburbs. Not a good move on the producer's part.
>
>
> Why? What's the problem?

Right. Guys in Chicago in the Good Old Days would kill to get Gould to slip
their ham callsigns into the Dick Tracy comic strip, which he did regularly.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

Date: 20 Nov 90 05:52:53 GMT
From: usc!wuarchive!cs.utexas.edu!asuvax!anasaz!qip!rusty@ucsd.edu (Rusty
 Carruth)
Subject: Usenet UnNet-be there!
To: info-hams@ucsd.edu

In article <1990Nov16.080440.8625@midway.uchicago.edu> gary@ellis.uchicago.edu
 (gary buchholz) writes:
>
>***
>
>Don't forget about the Usenet un-net this (and every) Saturday Nov 17,90
>1700-1900Z, 28.410 or 28.390 MHz. Basically, call "CQ Usenet".
>
>Pretty bad turnout last week - but I'll be there. And, I'll be taking
>names of everyone NOT there.... and sending out negative-QSL cards !
>So be there... or suffer the consequences....
>
>**

Well, I missed the first half of it, but the second half was pretty good,
even though more than 1/2 the folks had already left! Jay Maynard
was running as net control when I got there. I know that John Moore
had been doing it before that.

I will not be on this coming weekend, but dont' let *that* stop you!
(or maybe I should say "So if the threat of my being their has kept
you off, now's your chance!" :-)

73! CU on the Un-Net!

--
+++ 73 de N7IKQ +++
Rusty Carruth   {ames!ncar!noao!asuvax,mcdphx}!anasaz!rusty
P.O. Box 27001, Tempe, AZ 85285   anasaz!rusty@asuvax.eas.asu.edu
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz
The Ham Callsign Project, part 3 (the 1990 version) - its HERE! Email for info

----

Date: (null)
From: (null)

PROPAGATION FORECAST BULLETIN 47 ARLP047
FROM ED TILTON, W1HDQ
SPRING HILL FL NOVEMBER 19, 1990
TO ALL RADIO AMATEURS

THE SOLAR FLUX WAS DOWN TO 140 ON NOVEMBER 2 BUT IT ROSE RAPIDLY, REACHING 215 ONLY FIVE DAYS LATER. IT DROPPED BACK TO 186 BY NOVEMBER 13, BUT RECOVERED QUICKLY AGAIN, RISING TO 223 BY THE 17TH. THIS WAS THE HIGHEST FLUX READING SINCE THE MIDDLE OF OCTOBER.

TWO LARGE SPOT GROUPS THAT CAME INTO THE EAST LIMB OF THE SUN ON THE 14TH SEEMED TO BE THE MAIN SOURCE OF THE RISE. EARLIER GROUPS THAT WERE RESPONSIBLE FOR THE 215 PEAK ON THE 7TH DISAPPEARED AROUND THE WEST LIMB EARLIER IN THE MONTH.

NEITHER OF THE FLUX PEAKS WAS ANYTHING LIKE THE OUTBREAK THAT PRODUCED THE SURPRISE PEAK OF 315 BACK IN AUGUST, BUT THAT CAME AT THE WRONG TIME OF YEAR TO DO MUCH GOOD FOR DXERS.

IF THE REST OF NOVEMBER FOLLOWS RECENT MONTHLY TRENDS, WE CAN EXPECT LOWER FLUX LEVELS THIS WEEK, AND PROBABLY THROUGH THE REST OF THE MONTH. THIS WOULD HAVE LITTLE EFFECT ON THE MAJOR DX BANDS, BUT IT MAY SLOW DOWN DX ACTIVITY ON 50 MHZ, AND POSSIBLY 28 MHZ, ESPECIALLY IN THE LAST DAYS OF THE MONTH.

AMERICAN SUNSPOT NUMBERS FOR NOVEMBER 8 THROUGH 14 WERE 199, 156, 125, 98, 108, 110 AND 115 RESPECTIVELY, WITH A MEAN FIGURE OF 130.1. SOLAR FLUX NUMBERS AS REPORTED BY WWV FOR THE SAME TIME PERIOD WERE 212, 202, 193, 197, 194, 186 AND 201, WITH A MEAN FIGURE OF 198.

End of Info-Hams Digest
****

```
------------------ RFC822 Header Follows ------------------
Received: by mctgate.mct.anl.gov; 23 Nov 90 22:33:52
Received: from ANLVM by ANLVM.CTD.ANL.GOV (IBM VM SMTP R1.2.2ANL-MX) with BSMTP
id 8676; Thu, 22 Nov 90 14:52:50 CST
Received: from UICVM by ANLVM (Mailer R2.07B) with BSMTP id 8675; Thu, 22 Nov
 90 14:52:47 CST
Received: from UICVM.BITNET by UICVM (Mailer R2.07) with BSMTP id 2806; Thu, 22
 Nov 90 14:52:18 CST
Date:         Thu, 22 Nov 90 08:00:11 PST
Reply-To:     Info-Hams@UCSD.Edu
Sender:       Info-Hams redistribution <DIST-HAM@RPIECS.BITNET>
From:         Info-Hams Mailing List and Newsgroup <info-hams-relay@UCSD.EDU>
Subject:      Info-Hams Digest V90 #438
X-To:         Info-Hams@ucsd.edu
To:           Multiple recipients of list DIST-HAM <DIST-HAM@RPIECS>


From -1631488354672435026
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,46d48707c8014c26
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-23 22:34:36 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!UCSD.EDU!Info-Hams
From: Info-Hams@UCSD.EDU (Info-Hams@UCSD.Edu)
Newsgroups: rec.ham-radio
Subject: Can't Find MailCenter!
Message-ID: <9011261256.AA20248@ucsd.edu>
Date: 24 Nov 90 06:34:36 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1286
Posted: Sat Nov 24 07:34:36 1990

GatorMail-Q Info-Hams Digest V90 #441
Info-Hams Digest Fri, 23 Nov 90 Volume 90 : Issue 441

Today's Topics:
ANSWERS TO Questions on Phased Verticals
Callsign project (2 msgs)
HYPERCARD STACKS
Kenwood TM431A mods
Less Than Clean Fists
Novice License for $150 ??
Preliminary call for discussion: rec.ham-radio legal
QRP on 20 meters
Questions on Phased Verticals (long)
Re: Questions on Phased Verticals (long)
Returned mail: Host unknown
Updated Macintosh Ham Stacks (for HyperCard) now available
Yaesu Ft711 mods

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 22 Nov 90 03:52:41 GMT
From:

usc!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary@ucsd.edu (Gary Coffman)
Subject: ANSWERS TO Questions on Phased Verticals
To: info-hams@ucsd.edu

In article <1990Nov20.165326.22220@cbnewsl.att.com> feg@floyd.ATT.COM (Forrest
 Gehrke) writes:
>In article <8315@gollum.twg.com> sawyer@twg.com (Bruce B. Sawyer) writes:
>>N3HBZ sent me email today explaining some problems I had building a phased
>>vertical array this past weekend. The explanation is so simple that I'm more
>>than a little embarrassed for not having seen it myself. For those who are
>>interested, here's what's going on:
>>
>>Two verticals connected to a single feedline constitute a pair of loads in
>>parallel. We want the net impedance to be 50 ohms to match, and putting two
>>50 ohm loads in parallel yielded a circuit impedance of 25 ohms (hence the
 high
>>SWR). When I detuned the two verticals to bring the SWR down, all I was
doing
composite
>>impedance would come closer to the desired 50 ohms. What N3HBZ suggests is a
>>1/4 wave matching section of 72 ohm coax on each antenna to yield ~100 ohms
at
>>transmitter when the two are added in parallel. It's obvious once you see
the
sorry
>>now I wasted the bandwidth with my query earlier.
>>
>
>This advice is pure BS. The problem with phasing antenna elements
>is less one of matching than it is of achieving the intended
>phasing. First of all, the two elements of a 1/4 wave spaced
>90 degree phased array are not 50 ohm loads. In fact, they are
>far from equal, they are reactive, and of opposite signs.
>This, in spite of the their being identical resistive
>self-impedances at resonance.

I wouldn't go so far as to call the advice BS, somewhat incomplete sure,
but he's on the right track.

>Why is this so? Because of mutual coupling between the
>two verticals. This results in a factor called mutual
>impedance that inserts itself into a set of simultaneous
>equations which nature solves for you when you connect
>these elements together in parallel. Of course, the
>delay line you connect in series with one of the
>verticals will (hopefully) set the desired phase
>delay into the equation. Since the driving impedances
>are reactive, cutting this delay line for 90 degrees
>(if that is the delay intended) is guaranteed NOT
>to produce 90 degrees. That occurs only if the
>loads are resistive.
>
>The array doesn't care whit whether its SWR is not
>1:1.   For example, the average Yagi represents an
>impedance around 20 ohms. You put a matching circuit
>(such as a gamma) only to get a good match to your
>feed line so that your transmitter will like it

>better. But the Yagi still is 20 ohms, and it
>could care less.

Ah, but the Yagi has only one driven element and no phasing harness. Most of the directional broadcast arrays that I've worked with use L networks at the base of each tower to match the tower to the 50 ohm phasing lines and to tune out the reactance caused by mutual coupling. Some of them also used 75 ohm line sections as their combiner.

If you don't feed the line at it's characteristic impedance, it will act as a transmission line transformer and really screw up your combiner and your phasor design. Of course some arrays I've seen used this fact to advantage in the design of the array, but those systems were really hard to keep balanced because they removed several of the adjustments available to compensate for changing ground conductivity with the change of the seasons. The really good array designs kept the lines matched unless they deliberately needed an impedance transformation as part of the combiner. Many of the combiners were adjustable lumped constant networks however.

The approach outlined by the original poster is sound for a two tower directional array with the addition of matching L networks at the base of each tower. Things get a lot hinckier if you have three or more towers and a complex pattern requirement. In those situations, your towers may need to be of different heights with special tuning requirements so that you can get the desired net RF currents to flow in them for the pattern required. I've even seen arrays with negative power readings in some of the towers. In fact this is quite common in five tower arrays. But you still want the coaxial lines matched in their characteristic impedances. More complex tuning networks are used at the tower bases to get the desired currents while still presenting a match to the lines.

Array design and tuning can be quite complex, but to say that one should ignore SWR in the phasing and combining lines is simply not true.

>One of the worst things that ever happened to ham
>radio is the invention of a cheap means of measuring
>SWR. Far too much attention is paid to it, mostly
>for the wrong reasons.

Any tool can be misused or misunderstood, but cheap SWR meters have been a boon to those using coax fed antenna systems. The old RF ammeter in the base of the tower is a good tool, and a vector phasemeter is very useful, but the good directional wattmeter is a more flexible tool if you understand what it is telling you and can read a tape measure and a Smith Chart.

Gary KE4ZV

Date: 21 Nov 90 03:17:55 GMT
From: asuvax!anasaz!qip!rusty@handies.ucar.edu (Rusty Carruth)

Subject: Callsign project
To: info-hams@ucsd.edu

In article <5478@qip.UUCP> rusty@qip.UUCP (Rusty Carruth) writes:
>I was talking to John Moore NJ7E today, and he asked me how the callsign
>project was going. I told him, and he panicked....

well, I sit corrected :-)

I talked to John again today and he took issue with my description of what happened. Yup, he is right - he did not panic. Sorry, I got carried away... (Does poetic license extend to usenet news articles? :-)

So, let me set the issue straight:

John DID NOT PANIC.

Thanks.

(and i vote YES YES YES a Thousand times YES (well, at least one yes, anyway), to Jay's suggestion of rec.ham-radio.legal)

--
+++ 73 de N7IKQ +++
Rusty Carruth   {ames!ncar!noao!asuvax,mcdphx}!anasaz!rusty
P.O. Box 27001, Tempe, AZ 85285   anasaz!rusty@asuvax.eas.asu.edu
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz
The Ham Callsign Project, part 3 (the 1990 version) - its HERE! Email for info

----

Date: 21 Nov 90 03:30:47 GMT
From: asuvax!anasaz!qip!john@handies.ucar.edu (John Moore)
Subject: Callsign project
To: info-hams@ucsd.edu

In article <5492@qip.UUCP> rusty@qip.UUCP (Rusty Carruth) writes:
]In article <5478@qip.UUCP> rusty@qip.UUCP (Rusty Carruth) writes:
]So, let me set the issue straight:
]
]   John DID NOT PANIC.

Thank you for setting the record straight!

However, John IS concerned that Rusty will not be able to buy his dual bander, because he is way short of covering costs on the callsign project. I'm also concerned because if Rusty loses his dual bander, he sure isn't going to do the call sign project again!

So please - get in on the project (contact Rusty). If use use one of the callsign servers derived from his tapes, please send him a little contribution! Think of it as Shareware.
--

John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253
anasaz!john@asuvax.eas.asu.edu
Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

Date: Fri, 23 Nov 90 08:53:35 MST
From: Larry L. Springstee <LSPRINGSTEEN@WSMR-SIMTEL20.ARMY.MIL>
Subject: HYPERCARD STACKS
To: Info-Hams@ucsd.edu

>RE:Updated Macintosh Ham Stacks (for HyperCard)

I was able to get mine via anonymous FTP from apple.com out of their pub/ham-radio directory. All five stacks are small enough to fit on an 800K floppy when compressed. If any one in the West Texas/New Mexico area that can't FTP wants a copy, give me a shout.

I try to keep other PD/Shareware Mac goodies as well.

Bye for now, 73

```
***************************************************************
* ANYONE KNOW HOW TO KEEP A FIVE YEAR OLD FROM HOGGING THE MAC?*
* I DON'T WANT TO BUY HIM HIS OWM :-)                          *
***************************************************************
```

Packet: DE LARRY WB8LBZ @ K5WPH-2.NM.USA.NA
e-mail: lspringsteen@wsmr-simtel20.army.mil
MaBell: w:(505) 678-1912/1913/2330/2039 one will not be busy
        h:(915) 821-3021
======-

Date: 22 Nov 90 15:08:48 GMT
From:

usc!sdd.hp.com!zaphod.mps.ohio-state.edu!lavaca.uh.edu!menudo.uh.edu!lobster!urchin!f8324.n106.z1.fidonet.org!Christopher.Boone@apple.com (Christopher Boone)
Subject: Kenwood TM431A mods
To: info-hams@ucsd.edu

Do you know if anyone has simialr mods for the Yaesu FT711 series? I would like for mine to go down to 420 and listen in on my 451company rptrs as well!
Tnx
73
WB5ITT

Date: 22 Nov 90 01:21:52 GMT

From: sumax!amc-gw!pilchuck!ssc!tad@beaver.cs.washington.edu (Tad Cook)
Subject: Less Than Clean Fists
To: info-hams@ucsd.edu

In article <1990Nov19.233009.22195@dcdwest.uucp>, plb@dcdwest.uucp (Phil Blais) writes:

> Now XYZ comes back for his/her first exchange. After the first couple of
> words or so you soon realize that this is not gonna be one of those "vy fb
> qso's" cuz XWZ's fist is obviously afflicted with both a lisp and a stutter
> and you'll have learned an entirely different version of morse by the time
> this qso ends :-)
>
> So... I'd like to poll the net and request responses which answer the
> question - "How do I tactifully get out of this mess without pissing this
> guy off?"

I have actually tried this, with varying results:

SRI OM   HAD TROUBLE COPYING NO QRM OR QRN, AND UR SIGS FB, BUT
WHAT DOES CCIIOIICOC MEAN?

If they are trying to send too fast, I may ask them to send slower.

Another one that can drive me up the wall is if I am operating CW mobile, and I hook up with SOMEONEWHORUNSALLTHEWORDSTOGETHER. Very hard to figure out while driving. I just tell them that I copied nothing, and to send a little slower with plenty of time between each word. This problem is especially bad if they can't spell!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

Date: 22 Nov 90 08:48:01 GMT
From: uhccux!hale!hlivak@ames.arc.nasa.gov (Bob Hlivak)
Subject: Novice License for $150 ??
To: info-hams@ucsd.edu

x
The text listed below comes form a flyer found in our local amateur electronics store in Honolulu. I have copied it as faithfully as

possible (mistakes included). Note that the dashed lines starting under the word "resistration" indicate that clause was underlined in the original. Also the word "not" in the sentence with "cram course" was in bold in the original, not caps as presented here.

@@@@@@@@@@@@@@@@@@@@@@ begin flyer text @@@@@@@@@@@@@@@@@@@@@@@@@@@@

HAM RADIO LICENSE COURSE
presented by
GORDON WEST WB6NOA
JANUARY 17, 19 & 20, 1991
HAWAII YACHT CLUB
OPEN TO ALL

- Pass the Novice-Voice Exam right in class!
- Over 20 hours of Beginner Theory & Code practice.
- No previous in background in Code or Theory required.
- Special marine and ham radio installation and operation seminar.

Class fee of $150 includes all course materials, consultation with Gordon regarding equipment selection and installation on board your boat, and lunches and refreshments. Pre-study materials will be provided ahead of time, so registration at least 30 days before the course is essential.

==-

Mariners may obtain the amateur radio Novice Class license in just one weekend. Current Novice privileges allow operation on the worldwide voice frequencies on the 10-meter band. Complete instruction in code and theory will be covered. The Novice Class license exam will be given by Volunteer Ham radio operators in the last hour of the course. Many ham radio and electronic demonstrations liven up the weekend and there are opportunities for "hands-on" experience.

This accelerated course is designed to help the student be a good begineer ham operator. This is NOT a cram course. Gordon West will thoroughly cover all FCC element 2 & 1A materials in his fun and humorous style. Multiple test availability assures passing the exam Sunday evening.

- Textbooks, tapes, code key and oscillator and numerous handouts are supplied free!
- Course fee is $150.

Pre-registration is a must and space is limited! Register NOW at
Hawaii Yacht Club, 1739C Ala Moana Blvd., Honolulu, HI 96815.
(808) 949-4622.

@@@@@@@@@@@@@@@@@@@@@@ end flyer text @@@@@@@@@@@@@@@@@@@@@@@@@@@@

I have been a licensed amateur since this summer. My wife just also passed her tech class license. We both studied and learned both the code and the knowledge required to honestly pass the required tests. The "assurance" offered by the above flyer upsets me beyond words. If such an offering is not illegal it certainly must be unethical.

```
I refuse to be convinced that this is proper and ask those who
feel my outrage to suggest a course of action.  To whom do I write
and what should be said?  This is now my hobby too, but I am young
in the teeth and seek your inputs.

I know what my license is worth to me.  Unfortunately, I also now
know what it costs.

         Best regards, Robert J. Hlivak  NH6XO

------------------------------

Date: 21 Nov 90 15:34:19 GMT
From: asuvax!anasaz!qip!john@handies.ucar.edu  (John Moore)
Subject: Preliminary call for discussion: rec.ham-radio legal
To: info-hams@ucsd.edu

In article <11470.2746eb6e@ecs.umass.edu> scott@ecs.umass.edu writes:
]I would like to see some specific reasons for the establishment of yet another
]ham group.  Proponents should take advantage of the opportunity to lay out all
>their reasons for such.  I get the feeling that some folks are outraged by any
>sort of controversy - they call it "flaming".  Everything that is not milky
>bland or highly technical or supportive of the (genuflect) ARRL is to be
>shunned by the enlightened - right?

Where do you get off assuming this sort of nonsense? I am infavor of
such a group, and I LOVE controversy.

>Come on folks, let's not become too stultified.  Sure, the code-no code
                        ^^^^^^^^^^
That's why were trying to move the never ending, no new ideas circular
discussions to another group.

>discussion seems unending.  So what?  I would really prefer to exclude all the
>mentalities that are horrified ("bored") by controversy.  Reasoned arguments

Once again, you seem to be a bit confused about motives, and perfectly willing
to make ad-hominem attacks on those who support this idea. If this is your
idea of controversy, bug off.

>are the spice of life.  Even the Russians are able to disagree now without
>being sent to Siberia!

Yep - so let's hear some of your reasons, rather than just ad-hominem
flaming, OK?

By the way - next time you see an original thought in the code/no-code
debate, why not let us know? I haven't seen one in a long time.



--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
```

USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253
anasaz!john@asuvax.eas.asu.edu
Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

Date: 22 Nov 90 19:44:41 GMT
From: uhccux!uhunix.uhcc.Hawaii.Edu@ames.arc.nasa.gov (John Shalamskas, KJ9U)
Subject: QRP on 20 meters
To: info-hams@ucsd.edu

Last night at 0620 UTC (8:20 pm local time) I worked JA1WVK, a 2 watt station on 20 meter SSB. He was using a TH7DX tribander, but I was still surprised at his signal strength, about S-2. On my end I'm using just a G5RV dipole (3/2 wave) at 100 feet, and 100 watts. I also tried reducing power, and he could hear me at the 1 watt level.

Naturally, after 5 minutes or so at QRP some LID came up practically on top of us so I had to increase power again... we tried 15 meters but no contact was made.

For the curious, Yoshi's rig was a Mizuho MX14S monoband transceiver. He had a similar monobander for 15 meters.

The moral of the story is: Even on DX alley of 20 meters you can run low power. It sure does help to have a good antenna! Of course, if we had been on 10 meters, the QSO would have been a lot longer.

de KJ9U John Shalamskas

Date: 22 Nov 90 04:36:29 GMT
From:

usc!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary@ucsd.edu (Gary Coffman)
Subject: Questions on Phased Verticals (long)
To: info-hams@ucsd.edu

In article <1250275@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>Re: two 1/4-wave verticals phased 90 degrees:
>
>[good info deleted]
>
>When you are finished, you will have a 25-ohm feedpoint impedance
>at the "Y", which can be matched to 50 ohms with another matching
>network. Each antenna should now have the same power being
>radiated, so the cardiod pattern should be correct.

This would require a 37.5 ohm quarterwave matching section. 37.5

ohm cable is not off-the-shelf at the local parts house. If instead, you use two 75 ohm matching sections before the combining junction, then two 100 ohm loads in parallel equal 50 ohms. CATV cable is off-the-shelf. Sometimes you need to check your design for what parts are commonly available.

Gary KE4ZV

Date: 21 Nov 90 12:58:31 GMT
From: hpda!hpwala!hpnjld!eyg@ucbvax.Berkeley.EDU (Ed Gilbert)
Subject: Re: Questions on Phased Verticals (long)
To: info-hams@ucsd.edu

>Note that the feedpoint impedance of the two antennas will not be the
>same. If you just run a 1/4 wave feedline between them, then even if
>you do somehow get the total feedpoint impedance to equal 50 ohms,
>you almost for sure will not have equal currents in each antenna.
>
>Here's how I would do it. Build a matching network at the base of
>each antenna (PI-network, or whatever). Match each antenna to 50
>ohms (with SWR meter) with the other antenna disconnected (open).

I've often thought about this problem, and I keep running into the same question. How do you guarantee that the phase shifts through both matching networks are identical? As you said, the feed point impedances of the two antennas will probably not be the same, so even if you used a simple L-network for matching, the phase shifts would not be identical. Any significant difference in phase shifts will ruin the pattern of the array.

Ed Gilbert, WA2SRQ

Date: Fri, 23 Nov 90 07:38:01 EST
From: popyackl@LONEX.RADC.AF.MIL (Leonard J. Popyack)
Subject: Returned mail: Host unknown
To: info-hams@UCSD.edu

Date: Wed, 21 Nov 90 13:45:54 -0500
From: MAILER-DAEMON (Mail Delivery Subsystem)
Subject: Returned mail: Host unknown
To: popyackl

```
   ----- Transcript of session follows -----
550 info-hams@!ucsd.edu... Host unknown

   ----- Unsent message follows -----
Received: by lonex.radc.af.mil (5.64/1.25)
     id AA23269; Wed, 21 Nov 90 13:45:54 -0500
From: popyackl (Leonard J. Popyack)
```

```
Message-Id: <9011211845.AA23269@lonex.radc.af.mil>
To: info-hams@!ucsd.edu
Date: Wed, 21 Nov 90 13:45:52 EST
Subject: Mobile Madness
Cc: szarekw

Additional info and clarifications on Buzzard's Antenna:

>Date: Tue, 20 Nov 90 09:34:01 EST
>From: szarekw@LONEX.RADC.AF.MIL (William J. Szarek)
>Subject: Mobile HF antennas
>To: info-hams@UCSD.edu
>
>Jerome,  I hope this information is helpful.  If you need more information
>please contact me at szarekw@lonex.radc.af.mil  .
>
>My ant is a TEXAS BUG CATCHER.   It is available from GLA Systems, P.O.
Box
>425, Caddo Mills, TX 75005.  Henry Allen WB5YTD is the designer and builder
>of the antenna.  I had the pleasure of speaking with him on 2 meters during
>a recent trip to texas and had a pleasant QSO re: mobiling.  Henry said
he
>d oesn't see too many put together the way mine is but smaller/simpler
antennas
size/res.
>freq. trade-offs.
>
>I used a 54' mast with the #88 coil (10" long 3" diameter 8 turns per inch)
           ^=====---*** NOT TRUE !!!  54 Feet?  Comon Buzz....
>, a 20" diameter capacitive top hat, and a 102" whip on a 4" spring.
>
>  [Stuff Deleted]
>
>I have this antenna mounted on my Jeep (Wrangler) and have found that as
>long as the capacity hat and coil are above the roof of the vehical (even
>those with metal roofs) the antenna will function very well.


            draw us a picture, Buzz...I don't think the net will
            believe it!

>
>The tip of the antenna is 18 1/2 feet off the ground.  In order to allow
>me to get under bridges and just about anything I have a winch mounted on
>the front bumper that can pull the antenna down (folding it over at the
spring
>above the capacitive hat) to about 10 feet.  I have found that if I want
>to keep my height low I can tune up the antenna in this position and it
will
>function just about as well as it did in the vertical position (like the
>texas longhorn antenna mentioned in the bb).

            this is true!  I have seen this Jeep.  Anynore antennas
```

and it would tip over in a gusty wind!

>
> [stuff deleted]
>
>While on my last trek some debris fell off a truck and took out a window
>on the jeep and then hit my antenna. The bug-catcher components stayed
>together.
> The stainless steel mast (7/8" diameter) bent near the threads much to
the
>credit of Henry Allen.

>
>If I had it to do again my mobile HF antenna would be the Texas Bug Catcher
>73
>-buzz
>WM1W (was KE2WD)

Anyone else out there in Net-o-land have a mobile set-up which rivels
Buzzards? I once saw a picture of a mobile set-up with 2 meter 11 element

beams on it. (I think it was QST).

-Len
WF2V

Comment by: popyackl Date: Fri, 23 Nov 90 07:38:01 EST

Date: 22 Nov 90 09:27:48 GMT
From: radius!lemke@apple.com (Steve Lemke)
Subject: Updated Macintosh Ham Stacks (for HyperCard) now available
To: info-hams@ucsd.edu

pbhx@midway.uchicago.edu (Peter B. Hayward) writes:

>I wish there was some way the Mac-based ham community could truly reward
>Diana for these stacks. I used her earlier sets to go from nothing to Extra
>in just over a year. Of course, I read the books, but the ability to have
>hypercard test me over and over again helped me realize where I needed more

---

Info-Hams Digest Fri, 23 Nov 90 Volume 90 : Issue 441

Today's Topics:
ANSWERS TO Questions on Phased Verticals
Callsign project (2 msgs)
HYPERCARD STACKS
Kenwood TM431A mods
Less Than Clean Fists
Novice License for $150 ??

Preliminary call for discussion: rec.ham-radio legal
QRP on 20 meters
Questions on Phased Verticals (long)
Re: Questions on Phased Verticals (long)
Returned mail: Host unknown
Updated Macintosh Ham Stacks (for HyperCard) now available
Yaesu Ft711 mods

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 22 Nov 90 03:52:41 GMT
From:

usc!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary@ucsd
.edu (Gary Coffman)
Subject: ANSWERS TO Questions on Phased Verticals
To: info-hams@ucsd.edu

In article <1990Nov20.165326.22220@cbnewsl.att.com> feg@floyd.ATT.COM (Forrest
 Gehrke) writes:
>In article <8315@gollum.twg.com> sawyer@twg.com (Bruce B. Sawyer) writes:
>>N3HBZ sent me email today explaining some problems I had building a phased
>>vertical array this past weekend. The explanation is so simple that I'm more
>>than a little embarrassed for not having seen it myself. For those who are
>>interested, here's what's going on:
>>
>>Two verticals connected to a single feedline constitute a pair of loads in
>>parallel. We want the net impedance to be 50 ohms to match, and putting two
>>50 ohm loads in parallel yielded a circuit impedance of 25 ohms (hence the
 high
>>SWR). When I detuned the two verticals to bring the SWR down, all I was
doing
composite
>>impedance would come closer to the desired 50 ohms. What N3HBZ suggests is a
>>1/4 wave matching section of 72 ohm coax on each antenna to yield ~100 ohms
at
>>transmitter when the two are added in parallel. It's obvious once you see
the
sorry
>>now I wasted the bandwidth with my query earlier.
>>
>
>This advice is pure BS. The problem with phasing antenna elements

>is less one of matching than it is of achieving the intended
>phasing. First of all, the two elements of a 1/4 wave spaced
>90 degree phased array are not 50 ohm loads. In fact, they are
>far from equal, they are reactive, and of opposite signs.
>This, in spite of the their being identical resistive
>self-impedances at resonance.

I wouldn't go so far as to call the advice BS, somewhat incomplete sure,
but he's on the right track.

>Why is this so? Because of mutual coupling between the
>two verticals. This results in a factor called mutual
>impedance that inserts itself into a set of simultaneous
>equations which nature solves for you when you connect
>these elements together in parallel. Of course, the
>delay line you connect in series with one of the
>verticals will (hopefully) set the desired phase
>delay into the equation. Since the driving impedances
>are reactive, cutting this delay line for 90 degrees
>(if that is the delay intended) is guaranteed NOT
>to produce 90 degrees. That occurs only if the
>loads are resistive.
>
>The array doesn't care whit whether its SWR is not
>1:1.   For example, the average Yagi represents an
>impedance around 20 ohms. You put a matching circuit
>(such as a gamma) only to get a good match to your
>feed line so that your transmitter will like it
>better. But the Yagi still is 20 ohms, and it
>could care less.

Ah, but the Yagi has only one driven element and no phasing harness.
Most of the directional broadcast arrays that I've worked with use L
networks at the base of each tower to match the tower to the 50 ohm
phasing lines and to tune out the reactance caused by mutual coupling.
Some of them also used 75 ohm line sections as their combiner.

If you don't feed the line at it's characteristic impedance, it will
act as a transmission line transformer and really screw up your
combiner and your phasor design. Of course some arrays I've seen used
this fact to advantage in the design of the array, but those systems
were really hard to keep balanced because they removed several of the
adjustments available to compensate for changing ground conductivity
with the change of the seasons. The really good array designs kept the
lines matched unless they delibrately needed an impedance transformation
as part of the combiner. Many of the combiners were adjustable lumped
constant networks however.

The approach outlined by the original poster is sound for a two tower
directional array with the addition of matching L networks at the base
of each tower. Things get a lot hinckier if you have three or more towers
and a complex pattern requirement. In those situations, your towers may
need to be of different heights with special tuning requirements so that

you can get the desired net RF currents to flow in them for the pattern required. I've even seen arrays with negative power readings in some of the towers. In fact this is quite common in five tower arrays. But you still want the coaxial lines matched in their characteristic impedances. More complex tuning networks are used at the tower bases to get the desired currents while still presenting a match to the lines.

Array design and tuning can be quite complex, but to say that one should ignore SWR in the phasing and combining lines is simply not true.

>One of the worst things that ever happened to ham
>radio is the invention of a cheap means of measuring
>SWR. Far too much attention is paid to it, mostly
>for the wrong reasons.

Any tool can be misused or misunderstood, but cheap SWR meters have been a boon to those using coax fed antenna systems. The old RF ammeter in the base of the tower is a good tool, and a vector phasemeter is very useful, but the good directional wattmeter is a more flexible tool if you understand what it is telling you and can read a tape measure and a Smith Chart.

Gary KE4ZV

Date: 21 Nov 90 03:17:55 GMT
From: asuvax!anasaz!qip!rusty@handies.ucar.edu (Rusty Carruth)
Subject: Callsign project
To: info-hams@ucsd.edu

In article <5478@qip.UUCP> rusty@qip.UUCP (Rusty Carruth) writes:
>I was talking to John Moore NJ7E today, and he asked me how the callsign
>project was going. I told him, and he panicked....

well, I sit corrected :-)

I talked to John again today and he took issue with my description of what happened. Yup, he is right - he did not panic. Sorry, I got carried away... (Does poetic license extend to usenet news articles? :-)

So, let me set the issue straight:

John DID NOT PANIC.

Thanks.

(and i vote YES YES YES a Thousand times YES (well, at least one yes, anyway), to Jay's suggestion of rec.ham-radio.legal)

--
+++ 73 de N7IKQ +++
Rusty Carruth   {ames!ncar!noao!asuvax,mcdphx}!anasaz!rusty

P.O. Box 27001, Tempe, AZ 85285   anasaz!rusty@asuvax.eas.asu.edu
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz
The Ham Callsign Project, part 3 (the 1990 version) - its HERE! Email for info

----

Date: 21 Nov 90 03:30:47 GMT
From: asuvax!anasaz!qip!john@handies.ucar.edu (John Moore)
Subject: Callsign project
To: info-hams@ucsd.edu

In article <5492@qip.UUCP> rusty@qip.UUCP (Rusty Carruth) writes:
]In article <5478@qip.UUCP> rusty@qip.UUCP (Rusty Carruth) writes:
]So, let me set the issue straight:
]
]   John DID NOT PANIC.

Thank you for setting the record straight!

However, John IS concerned that Rusty will not be able to buy his
dual bander, because he is way short of covering costs on the
callsign project. I'm also concerned because if Rusty loses his
dual bander, he sure isn't going to do the call sign project again!

So please - get in on the project (contact Rusty). If use use one
of the callsign servers derived from his tapes, please send him
a little contribution! Think of it as Shareware.
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253
anasaz!john@asuvax.eas.asu.edu
Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

Date: Fri, 23 Nov 90 08:53:35 MST
From: Larry L. Springstee <LSPRINGSTEEN@WSMR-SIMTEL20.ARMY.MIL>
Subject: HYPERCARD STACKS
To: Info-Hams@ucsd.edu

>RE:Updated Macintosh Ham Stacks (for HyperCard)
  I was able to get mine via anonymous FTP from apple.com out of their
pub/ham-radio directory. All five stacks are small enough to fit on an
800K floppy when compressed. If any one in the West Texas/New Mexico
area that can't FTP wants a copy, give me a shout.
  I try to keep other PD/Shareware Mac goodies as well.

Bye for now, 73

****
* ANYONE KNOW HOW TO KEEP A FIVE YEAR OLD FROM HOGGING THE MAC?*

* I DON'T WANT TO BUY HIM HIS OWM :-)   *
****

Packet: DE LARRY WB8LBZ @ K5WPH-2.NM.USA.NA
e-mail: lspringsteen@wsmr-simtel20.army.mil
MaBell: w:(505) 678-1912/1913/2330/2039 one will not be busy
        h:(915) 821-3021
======--

Date: 22 Nov 90 15:08:48 GMT
From:

usc!sdd.hp.com!zaphod.mps.ohio-state.edu!lavaca.uh.edu!menudo.uh.edu!lobster!urchin!f8324.n106.z1.fidonet.org!Christopher.Boone@apple.com (Christopher Boone)
Subject: Kenwood TM431A mods
To: info-hams@ucsd.edu

Do you know if anyone has simialr mods for the Yaesu FT711 series? I would like for mine to go down to 420 and listen in on my 451company rptrs as well!
Tnx
73
WB5ITT

Date: 22 Nov 90 01:21:52 GMT
From: sumax!amc-gw!pilchuck!ssc!tad@beaver.cs.washington.edu (Tad Cook)
Subject: Less Than Clean Fists
To: info-hams@ucsd.edu

In article <1990Nov19.233009.22195@dcdwest.uucp>, plb@dcdwest.uucp (Phil Blais) writes:
>
>
> Now XYZ comes back for his/her first exchange. After the first couple of
> words or so you soon realize that this is not gonna be one of those "vy fb
> qso's" cuz XWZ's fist is obviously afflicted with both a lisp and a stutter
> and you'll have learned an entirely different version of morse by the time
> this qso ends :-)
>
> So... I'd like to poll the net and request responses which answer the
> question - "How do I tactifully get out of this mess without pissing this
> guy off?"
>

I have actually tried this, with varying results:

SRI OM   HAD TROUBLE COPYING NO QRM OR QRN, AND UR SIGS FB, BUT
WHAT DOES CCIIOIICOC MEAN?

If they are trying to send too fast, I may ask them to send slower.

Another one that can drive me up the wall is if I am operating CW mobile, and I hook up with SOMEONEWHORUNSALLTHEWORDSTOGETHER. Very hard to figure out while driving. I just tell them that I copied nothing, and to send a little slower with plenty of time between each word. This problem is especially bad if they can't spell!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

Date: 22 Nov 90 08:48:01 GMT
From: uhccux!hale!hlivak@ames.arc.nasa.gov (Bob Hlivak)
Subject: Novice License for $150 ??
To: info-hams@ucsd.edu

x
The text listed below comes form a flyer found in our local amateur electronics store in Honolulu. I have copied it as faithfully as possible (mistakes included). Note that the dashed lines starting under the word "resistration" indicate that clause was underlined in the original. Also the word "not" in the sentence with "cram course" was in bold in the original, not caps as presented here.

@@@@@@@@@@@@@@@@@@@@@@ begin flyer text @@@@@@@@@@@@@@@@@@@@@@@@@@@@

HAM RADIO LICENSE COURSE
presented by
GORDON WEST WB6NOA
JANUARY 17, 19 & 20, 1991
HAWAII YACHT CLUB
OPEN TO ALL

- Pass the Novice-Voice Exam right in class!
- Over 20 hours of Beginner Theory & Code practice.
- No previous in background in Code or Theory required.
- Special marine and ham radio installation and operation seminar.

Class fee of $150 includes all course materials, consultation with Gordon regarding equipment selection and installation on board your boat, and lunches and refreshments. Pre-study materials will be provided ahead of time, so registration at least 30 days before the course is essential.

==-

Mariners may obtain the amateur radio Novice Class license in just one weekend. Current Novice privileges allow operation on the worldwide voice frequencies on the 10-meter band. Complete instruction in code and theory will be covered. The Novice Class license exam will be given by Volunteer Ham radio operators in the last hour of the course. Many ham radio and electronic demonstrations liven up the weekend and there are opportunities for "hands-on" experience.

This accelerated course is designed to help the student be a good begineer ham operator. This is NOT a cram course. Gordon West will thoroughly cover all FCC element 2 & 1A materials in his fun and humorous style. Multiple test availability assures passing the exam Sunday evening.

- Textbooks, tapes, code key and oscillator and numerous handouts are supplied free!
- Course fee is $150.

Pre-registration is a must and space is limited! Register NOW at
Hawaii Yacht Club, 1739C Ala Moana Blvd., Honolulu, HI 96815.
(808) 949-4622.

@@@@@@@@@@@@@@@@@@@@@@ end flyer text @@@@@@@@@@@@@@@@@@@@@@@@@@@@

I have been a licensed amateur since this summer. My wife just also passed her tech class license. We both studied and learned both the code and the knowledge required to honestly pass the required tests. The "assurance" offered by the above flyer upsets me beyond words. If such an offering is not illegal it certainly must be unethical. I refuse to be convinced that this is proper and ask those who feel my outrage to suggest a course of action. To whom do I write and what should be said? This is now my hobby too, but I am young in the teeth and seek your inputs.

I know what my license is worth to me. Unfortunately, I also now know what it costs.

Best regards, Robert J. Hlivak NH6XO

Date: 21 Nov 90 15:34:19 GMT
From: asuvax!anasaz!qip!john@handies.ucar.edu (John Moore)
Subject: Preliminary call for discussion: rec.ham-radio legal
To: info-hams@ucsd.edu

In article <11470.2746eb6e@ecs.umass.edu> scott@ecs.umass.edu writes:
]I would like to see some specific reasons for the establishment of yet another
]ham group. Proponents should take advantage of the opportunity to lay out all
>their reasons for such. I get the feeling that some folks are outraged by any
>sort of controversy - they call it "flaming". Everything that is not milky
>bland or highly technical or supportive of the (genuflect) ARRL is to be
>shunned by the enlightened - right?

Where do you get off assuming this sort of nonsense? I am infavor of
such a group, and I LOVE controversy.

```
>Come on folks, let's not become too stultified.  Sure, the code-no code
                        ^^^^^^^^^^
```

That's why were trying to move the never ending, no new ideas circular
discussions to another group.

>discussion seems unending. So what? I would really prefer to exclude all the
>mentalities that are horrified ("bored") by controversy. Reasoned arguments

Once again, you seem to be a bit confused about motives, and perfectly willing
to make ad-hominem attacks on those who support this idea. If this is your
idea of controversy, bug off.

>are the spice of life. Even the Russians are able to disagree now without
>being sent to Siberia!

Yep - so let's hear some of your reasons, rather than just ad-hominem
flaming, OK?

By the way - next time you see an original thought in the code/no-code
debate, why not let us know? I haven't seen one in a long time.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253
anasaz!john@asuvax.eas.asu.edu
Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

Date: 22 Nov 90 19:44:41 GMT
From: uhccux!uhunix.uhcc.Hawaii.Edu@ames.arc.nasa.gov (John Shalamskas, KJ9U)
Subject: QRP on 20 meters
To: info-hams@ucsd.edu

Last night at 0620 UTC (8:20 pm local time) I worked JA1WVK,
a 2 watt station on 20 meter SSB. He was using a TH7DX tribander,
but I was still surprised at his signal strength, about S-2. On
my end I'm using just a G5RV dipole (3/2 wave) at 100 feet, and 100 watts.
I also tried reducing power, and he could hear me at the 1 watt level.

Naturally, after 5 minutes or so at QRP some LID came up practically
on top of us so I had to increase power again... we tried 15 meters but
no contact was made.

For the curious, Yoshi's rig was a Mizuho MX14S monoband transceiver.
He had a similar monobander for 15 meters.

The moral of the story is: Even on DX alley of 20 meters you can run low power. It sure does help to have a good antenna! Of course, if we had been on 10 meters, the QSO would have been a lot longer.

de KJ9U John Shalamskas

Date: 22 Nov 90 04:36:29 GMT
From:

usc!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary@ucsd.edu (Gary Coffman)
Subject: Questions on Phased Verticals (long)
To: info-hams@ucsd.edu

In article <1250275@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:

>Re: two 1/4-wave verticals phased 90 degrees:
>
>[good info deleted]
>
>When you are finished, you will have a 25-ohm feedpoint impedance
>at the "Y", which can be matched to 50 ohms with another matching
>network. Each antenna should now have the same power being
>radiated, so the cardiod pattern should be correct.

This would require a 37.5 ohm quarterwave matching section. 37.5 ohm cable is not off-the-shelf at the local parts house. If instead, you use two 75 ohm matching sections before the combining junction, then two 100 ohm loads in parallel equal 50 ohms. CATV cable is off-the-shelf. Sometimes you need to check your design for what parts are commonly available.

Gary KE4ZV

Date: 21 Nov 90 12:58:31 GMT
From: hpda!hpwala!hpnjld!eyg@ucbvax.Berkeley.EDU (Ed Gilbert)
Subject: Re: Questions on Phased Verticals (long)
To: info-hams@ucsd.edu

>Note that the feedpoint impedance of the two antennas will not be the
>same. If you just run a 1/4 wave feedline between them, then even if
>you do somehow get the total feedpoint impedance to equal 50 ohms,
>you almost for sure will not have equal currents in each antenna.
>
>Here's how I would do it. Build a matching network at the base of
>each antenna (PI-network, or whatever). Match each antenna to 50
>ohms (with SWR meter) with the other antenna disconnected (open).

I've often thought about this problem, and I keep running into the

same question. How do you guarantee that the phase shifts through
both matching networks are identical? As you said, the feed point
impedances of the two antennas will probably not be the same, so even
if you used a simple L-network for matching, the phase shifts would
not be identical. Any significant difference in phase shifts will
ruin the pattern of the array.

Ed Gilbert, WA2SRQ

```
Date: Fri, 23 Nov 90 07:38:01 EST
From: popyackl@LONEX.RADC.AF.MIL (Leonard J. Popyack)
Subject: Returned mail: Host unknown
To: info-hams@UCSD.edu

Date: Wed, 21 Nov 90 13:45:54 -0500
From: MAILER-DAEMON (Mail Delivery Subsystem)
Subject: Returned mail: Host unknown
To: popyackl

   ===== Transcript of session follows =====
550 info-hams@!ucsd.edu... Host unknown

   ===== Unsent message follows =====
Received: by lonex.radc.af.mil (5.64/1.25)
     id AA23269; Wed, 21 Nov 90 13:45:54 -0500
From: popyackl (Leonard J. Popyack)
Message-Id: <9011211845.AA23269@lonex.radc.af.mil>
To: info-hams@!ucsd.edu
Date: Wed, 21 Nov 90 13:45:52 EST
Subject: Mobile Madness
Cc: szarekw

Additional info and clarifications on Buzzard's Antenna:

>Date: Tue, 20 Nov 90 09:34:01 EST
>From: szarekw@LONEX.RADC.AF.MIL (William J. Szarek)
>Subject: Mobile HF antennas
>To: info-hams@UCSD.edu
>
>Jerome,  I hope this information is helpful.  If you need more information
>please contact me at szarekw@lonex.radc.af.mil  .
>
>My ant is a TEXAS BUG CATCHER.   It is available from GLA Systems, P.O.
Box
>425, Caddo Mills, TX 75005.  Henry Allen WB5YTD is the designer and builder
>of the antenna.  I had the pleasure of speaking with him on 2 meters during
>a recent trip to texas and had a pleasant QSO re: mobiling.  Henry said
he
>d oesn't see too many put together the way mine is but smaller/simpler
antennas
size/res.
```

>freq. trade-offs.
>
>I used a 54' mast with the #88 coil (10" long 3" diameter 8 turns per inch)
           ^=====---*** NOT TRUE !!! 54 Feet? Comon Buzz....
>, a 20" diameter capacitive top hat, and a 102" whip on a 4" spring.
>
> [Stuff Deleted]
>
>I have this antenna mounted on my Jeep (Wrangler) and have found that as
>long as the capacity hat and coil are above the roof of the vehical (even
>those with metal roofs) the antenna will function very well.

            draw us a picture, Buzz...I don't think the net will
            believe it!

>
>The tip of the antenna is 18 1/2 feet off the ground. In order to allow
>me to get under bridges and just about anything I have a winch mounted on
>the front bumper that can pull the antenna down (folding it over at the
spring
>above the capacitive hat) to about 10 feet. I have found that if I want
>to keep my height low I can tune up the antenna in this position and it
will
>function just about as well as it did in the vertical position (like the
>texas longhorn antenna mentioned in the bb).

            this is true! I have seen this Jeep. Anynore antennas
            and it would tip over in a gusty wind!

>
>   [stuff deleted]
>
>While on my last trek some debris fell off a truck and took out a window
>on the jeep and then hit my antenna. The bug-catcher components stayed
>together.
> The stainless steel mast (7/8" diameter) bent near the threads much to
the
>credit of Henry Allen.

>
>If I had it to do again my mobile HF antenna would be the Texas Bug Catcher
>73
>-buzz
>WM1W (was KE2WD)

Anyone else out there in Net-o-land have a mobile set-up which rivels
Buzzards? I once saw a picture of a mobile set-up with 2 meter 11 element

beams on it. (I think it was QST).

-Len
  WF2V

Comment by: popyackl   Date: Fri, 23 Nov 90 07:38:01 EST

Date: 22 Nov 90 09:27:48 GMT
From: radius!lemke@apple.com (Steve Lemke)
Subject: Updated Macintosh Ham Stacks (for HyperCard) now available
To: info-hams@ucsd.edu

pbhx@midway.uchicago.edu (Peter B. Hayward) writes:

>I wish there was some way the Mac-based ham community could truly reward
>Diana for these stacks. I used her earlier sets to go from nothing to Extra
>in just over a year. Of course, I read the books, but the ability to have
>hypercard test me over and over again helped me realize where I needed more
>studying (and helped me with the famous exam nerves syndrome.)

Early in 1990, I set out to complete my New Year's resolution of obtaining my novice and tech license. I went about 2/3 of the way through a class taught by the Stanford amateur radio club, but never took the test. Then a little over a week ago, I found the HyperCard stacks on apple.com (ftp), and decided to go for it once again. I had forgotten almost all of the code I learned at Stanford, but with the Mac "Morse" program, and the HyperCard stacks, I really studied intensely for five days (though my four years studying Electrical Engineering did help too), and last Sunday I took the Novice written test (missed two questions), and the Tech written test (perfect score) and the code test (perfect score). Sure was a hell of a lot easier with the Mac rather than reading the boring books...

>So, Diana, for all of us: Thanks so much!!!

I second that whole-heartedly! One minor thing: The stacks I have don't have any version number (I retrieved them a few weeks ago from apple.com) in them, but they did seem to have some problems occassionally - they would stop in the middle of a test and tell me (on the summary page) that I had missed all of the remaining questions. Strange. Oh well, I passed anyway!
--
===== Steve Lemke, Engineering Quality Assurance, Radius Inc., San Jose =====
===== "I'm not a UNIX wizard, but I play the Postmaster at radius.com." =====
===== Reply to: lemke@radius.com   (radius!lemke@apple.com works too!) =====

Date: 22 Nov 90 15:12:27 GMT
From:

zaphod.mps.ohio-state.edu!lavaca.uh.edu!menudo.uh.edu!lobster!urchin!f8324.n106
.z1.fidonet.org!Christopher.Boone@tut.cis.ohio-state.edu (Christopher Boone)
Subject: Yaesu Ft711 mods
To: info-hams@ucsd.edu

I am looking for the mods for the FT711 mobile to unlock it from just 440-450.
I know it is the same or similar mod to the FT 73 HT....I want to go below 440
so i can use it to monitor and transmit on my link channels and also be able
to listen above 451 to my companies rptrs!

Tnx and 73
WB5ITT

End of Info-Hams Digest
****

```
------------------ RFC822 Header Follows ------------------
Received: by mctgate.mct.anl.gov; 23 Nov 90 22:33:52
Received: from ANLVM by ANLVM.CTD.ANL.GOV (IBM VM SMTP R1.2.2ANL-MX) with BSMTP
id 9385; Fri, 23 Nov 90 17:44:02 CST
Received: from UICVM by ANLVM (Mailer R2.07B) with BSMTP id 9384; Fri, 23 Nov
 90 17:44:00 CST
Received: from UICVM.BITNET by UICVM (Mailer R2.07) with BSMTP id 5282; Fri, 23
 Nov 90 17:43:42 CST
Date:         Fri, 23 Nov 90 15:00:09 PST
Reply-To:     Info-Hams@UCSD.Edu
Sender:       Info-Hams redistribution <DIST-HAM@RPIECS.BITNET>
From:         Info-Hams Mailing List and Newsgroup <info-hams-relay@UCSD.EDU>
Subject:      Info-Hams Digest V90 #441
X-To:         Info-Hams@ucsd.edu
To:           Multiple recipients of list DIST-HAM <DIST-HAM@RPIECS>
```

```
From 1821128147949244147
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,86156ca2c1ed609b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-23 23:19:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!usc!chaph.usc.edu!aludra.usc.edu!
kjh
From: kjh@aludra.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: Less Than Clean Fists
Message-ID: <13287@chaph.usc.edu>
Date: 23 Nov 90 10:08:05 GMT
References: <1990Nov19.233009.22195@dcdwest.uucp>
Sender: news@chaph.usc.edu
Organization: EE-Systems, USC, Los Angeles
Lines: 8
Posted: Fri Nov 23 11:08:05 1990
Nntp-Posting-Host: aludra.usc.edu
```

Tell him his fist sucks. You won't do him any good by lying and saying
that there is QRM or QRN. He needs to know he is doing a poor job of
sending so he can work on improving it. Do him a real favour and be

honest.

--
  favourite oxymorons: student athlete, honest politician, civil war
Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From -6054499286191782322
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,99e939170edc0a58,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-24 06:31:14 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes 11/23/90
Message-ID: <1913@n8emr.UUCP>
Date: 24 Nov 90 14:31:14 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 182
Posted: Sat Nov 24 15:31:14 1990

```
==============================================================
|        Relayed from packet radio via                       |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ RTTYDX $RTDX1123
RTTY DX Notes 1of3 11/23/90

RTTY DX Notes for week ending 23rd November 1990
BID: $RTDX1123
Part 1 of 3.

One wonders where the art of communications has gone to? Over the past week I have been looking at the mini mailboxes. I Saw 43 of them. Are they all small sized PK232s? It seems that with the proliferation of these units it will soon be impossible to find a space to have a QSO. I think that an original idea that was put forward would be a viable answer. All mailboxes (including mini mailboxes) be shifted to 10 and 18 MHz. That would be a logical answer. Use those frequencies, or lose them.

Our thanks this week go to DJ3IW and the Saar-Pfalz-DX-Club Packet Cluster, I5FLN, I5ICY, I5IGQ, JA1BLV, N2HOS, OD5NG, TG9VT, VK2EG, W2JGR and the Tri-State DX Packet Cluster Network. Thank you all for your very welcome information and help.

Bandpass:

Friday 16:

FM5DN	14086	at	0439Z	
SV5TS	14088	at	0506Z	
HP1XZD	14074	at	1239Z	ARQ
3B9FR	14090	at	1301Z	
UC2OCJ	28086	at	1340Z	QSL
6W6JX	28082	at	1440Z	
PJ2/OH2BGD	21088	at	1924Z	
TY1PS	21074	at	2150Z	ARQ
VP8BFH	14083	at	2311Z	

Continued in part 2.

(*Are you reading this from a packet BBS in Utah, Colorado, Kansas, Missouri, Kentucky, Tennessee or Georgia? Send a message noting the CALL of the station ORIGINATING this bulletin to:
KT7H @ N7HFZ.WA.USA.NA)
/EX

SB RTTYDX @ RTTYDX $RTDX1123A
RTTY DX Notes 2of3 11/23/90

RTTY DX Notes for week ending 23rd November 1990
BID: $RTDX1123A
Part 2 of 3.

Saturday 17:

VP8BFH	14088	at	0321Z	
FM5DN	14089	at	0400Z	
V85EB	21087	at	0425Z	
UH8EA	14090	at	0714Z	QSL
BZ4DAB	21087	at	1125Z	
9J2BO	28091	at	1332Z	
EA9MY	28083	at	1638Z	
J73WA	28086	at	1727Z	
5V7DP	21083	at	1812Z	
5Z4BI	21084	at	2039Z	
9X5LJ	14073	at	2130Z	QSL/ARQ
P29BT	21089	at	2302Z	
J88BP	14082	at	2352Z	

Sunday 18:

UH2E/UA9TZ	14089	at	0009Z	
5N0ETP	14090	at	0646Z	QSL
EA9MY	14088	at	0647Z	
3X1SG	14085	at	0745Z	
UO5OGF	14084	at	0935Z	
VU2CSO	14088	at	1252Z	
P29BT	14090	at	1253Z	
8J1RL	14085	at	1337Z	

EA8ATE	21089	at	1345Z	
J28TY	28082	at	1429Z	
J73WA	28082	at	1541Z	
VP8BFH	28088	at	1658Z	

Monday 19:

ZK1AP	21074	at	0500Z	ARQ
9Q5TE	14089	at	1515Z	QSL
V31AR	21074	at	1900Z	ARQ
9X5LJ	14073	at	2004Z	

Tuesday 20:

YO2CLO	7007	at	0217Z	
UH2E/UA9TZ	14084	at	0350Z	
UA3AXJ	14088	at	0415Z	
9H1P	14089	at	0610Z	
ZK1AP	14074	at	2115Z	ARQ
TY1PS	21074	at	2115Z	

Wednesday 21:

OX3EW	14086	at	0107Z	
YN1CB	14088	at	0314Z	
J73EH	14083	at	0338Z	
KB6ZBI/J6L	14087	at	0340Z	
UH2E/UA9TZ	14086	at	0352Z	
6W6JX	14085	at	0755Z	
ZK1AP	14077	at	0850Z	ARQ
UC2OCJ	28082	at	1207Z	
5B4XA	28089	at	1223Z	

Thursday 22:

UT5UJ	14088	at	0935Z	
9X5LJ	14073	at	2135Z	ARQ

Continued in part 3.
/EX
SB RTTYDX @ RTTYDX $RTDX1123B
RTTY DX Notes 3of3 11/23/90

RTTY DX Notes for week ending 23rd November 1990
BID: $RTDX1123B
Part 3 of 3.

QSL Information:

UC2OCJ says to QSL via Box 68, Gomel. 246027 Buelrussia, USSR.

9X5LJ and 9X5AB request their cards be sent to Box 81, Kigali, Rwanda.

UH8EA collects his cards from W5BWA.

5N0ETP collects his cards via N6LQL.

9Q5TE has SM0BFJ as his QSL manager.

CE0ZZZ says to QSL to Box 13312 Santiago, Chile.

Notes of Interest:

JA3DLE/1 reports that JG1RVN will be QRV from XU for 6 days from 3rd to 9th December with lots of RTTY.

On 27th November, or around that date, (after the CW contest), N7NG, OH2BH, OH2RF, and ZS6BCR will operate from Penguin Island (off the coast of Namibia) for 6 days by special permission of the South African Nature and Conservation people. The callsign could be ZS9Z/ZS1, after which they will operate from Walvis Bay with the callsign of ZS9Z for 4 days. They will use Icom gear and the QSLS go to OH2BH.

3W3RR is still hopeful of operating from Spratley in December.

Kure Island (KH7) is scheduled for December 12-21, all bands including 6 meters, if they can find some gear and aerials for 6. If you can help, call 671-346-2201 (in Guam) after 0600Z. Prefixes may be KH7/AH7/WH7 for the prefix hunters. The basic callsign will be KD7P/NH7.

SP5FYM is headed for King George Island (Antarctica) for January 1991.

There is a plan to activate 'MV' Island (in the Gulf of Finland) in March 1991. They require RTTY gear. More later.

GL DE DX1 (VK2SG).

Written by VK2SG. Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA.
Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.

Are you reading this from a packet BBS in Utah, Colorado, Kansas, Missouri, Kentucky, Tennessee or Georgia? Send a message noting the station originating this bulletin to KT7H @ N7HFZ.WA.USA.NA.
/EX
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

```
From 3444400874498630529
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ee8da8f95c2ed0ab,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1990-11-24 10:22:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!WSMR-SIMTEL20.ARMY.MIL!LSPRINGSTEEN
From: LSPRINGSTEEN@WSMR-SIMTEL20.ARMY.MIL (Larry L. Springstee)
Newsgroups: rec.ham-radio
Subject: AMSAT orbital data format
Message-ID: <12640522248.27.LSPRINGSTEEN@WSMR-SIMTEL20.ARMY.MIL>
Date: 24 Nov 90 18:22:33 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 45
Posted: Sat Nov 24 19:22:33 1990

RE:AMSAT ELEMENT SETS

GREETINGS ALL,

I have been wondering WHY the good people at AMSAT insists on publishing orbital element data in an archaic and expanded format. I have been relaying AMSAT BN's from KT7H @ N7HFZ.WA.USA.NA for a few months. I do not understand the logic of sending data that takes up twice the space and requires manual input to be used. I also copy the data posted by T.S. Kelso and send out the orbital data on the local VHF Packet network. I have compared the size of the two formats and it's close to a two to one ratio with the same data in different formats. AMSAT BN's sent:

```
Satellite: AO-10
Catalog number: 14129
Epoch time:      90311.38885312
Element set:     621
Inclination:       26.0154 deg
RA of node:       176.3254 deg
Eccentricity:    0.5958797
Arg of perigee:   190.4011 deg
Mean anomaly:     147.4868 deg
Mean motion:    2.05880027 rev/day
Decay rate:       1.30e-07 rev/day^2
Epoch rev:            2768
```

T.S. Kelso sent the following:

```
OSCAR 10
1 14129U 83 58  B 90311.38885312  .00000013  00000-0  00000 0 0  6218
2 14129  26.0154 176.3254 5958797 190.4011 147.4868  2.05880027 27684
```

It's the same data only in half the space. Is there any one that reads this net that knows who to talk to to fix this problem? I see this expanded format floating through the BBS's on packet taking up space. I could cut and paste the short data into the AMSAT BN's if I can't get AMSAT to change. Nobody locally uses the expanded stuff. Any one with a better idea on how to handle this problem post or e-mail me.

Bye for now, 73
DE LARRY,
e mail--> LSPRINGSTEEN @ WSMR-SIMTEL20.ARMY.MIL

```
Packet--> LARRY WB8LBZ @ K5WPH-2.NM.USA.NA
Ma Bell-> w (505) 678-1912/1913/2330/2039   any one
          h (915) 821-3021 after 1600 before 2000 MST(MDT)
1200/2400  by prior arangement only
-------


From -1133561264307086859
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b4f79ab584390a8f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,b4f79ab584390a8f
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-11-24 12:24:15 PST
Path: gmdzi!unido!mcsun!uunet!isis!scicom!wats
From: wats@scicom.AlphaCDC.COM (Bruce Watson)
Newsgroups: rec.ham-radio,sci.space
Subject: Re: Congrats to Ted Molczan
Message-ID: <8384@scicom.AlphaCDC.COM>
Date: 24 Nov 90 20:24:15 GMT
References: <4213@otis.oakhill.UUCP* <15754@venera.isi.edu>
Followup-To: sci.space
Organization: Alpha Science Computer Networks, Denver, Co.
Lines: 17
Xref: gmdzi rec.ham-radio:17133 sci.space:17762
Posted: Sat Nov 24 21:24:15 1990

In article <15754@venera.isi.edu*, rogers@wlf.isi.edu (Craig Milo Rogers) writes:
* In article <4213@otis.oakhill.UUCP> charlie@oakhill.UUCP (Charlie Thompson)
writes:
* >I picked up a copy of the Washington Post today and noticed
* >that fellow satellite chaser Ted Molczan made the 'Around the Nation'
* ...
*
*    I noticed a similar article in the Los Angeles Times.  It was
* attributed to United Press International.  Do you suppose UPI treats
* the Usenet as an incoming newsfeed?
*
*                       Craig Milo Rogers



In the Denver Post, the` byline is the Associated Press.  It summarizes
for the unwashed public what Ted reported to the net and interviewed
Billie Deason, NASA Spokeswoman.


From 4440948866540759991
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f486739b540603d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-24 14:17:33 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
```

From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9011242217.AA25512@blackbird.afit.af.mil>
Date: 24 Nov 90 22:17:33 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 375
Posted: Sat Nov 24 23:17:33 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #774 -
Alouette 1
1 00424U 62B-A  1 90322.95051296  .00000230  00000-0  26631-3 0  3735
2 00424  80.4629 133.4995 0022345 235.6882 124.2159 13.67416737403843
ATS 3
1 03029U 67111  A 90313.21423352 -.00000075  00000-0  99999-4 0  4726
2 03029  13.3865  19.9762 0017082 211.6628 148.2065  1.00272532 84246
Cosmos 398
1 04966U 71 16  A 90325.19512921  .00073872  18155-4  37596-3 0  2503
2 04966  51.5016 197.6382 2170439  88.7862 295.8799 11.28327941609233
Starlette
1 07646U 75010  A 90321.86133351 -.00000043  00000-0  13505-4 0  1742
2 07646  49.8273 272.1106 0205668 338.5336  20.7026 13.82145736797038
LAGEOS
1 08820U 76039  A 90322.35108557  .00000005  00000-0  00000 0 0  1720
2 08820 109.8622  47.9316 0044619 205.5900 154.2634  6.38664485 83784
GOES 2
1 10061U 77048  A 90322.17782008 -.00000259  00000-0  99999-4 0  5243
2 10061   8.3819  62.1587 0002160  17.5276 342.0651  1.00276508 50550
GPS-0001
1 10684U 78020  A 90324.50082958  .00000005  00000-0  99999-4 0  5755
2 10684  63.7970  84.7284 0123051 197.8123 161.7398  2.00555278 78980
GPS-0002
1 10893U 78 47  A 90322.99307468 -.00000023  00000-0  00000 0 0  2751
2 10893  64.3255 325.6061 0169289  24.2243 336.5844  2.00539444 91771
GOES 3
1 10953U 78062  A 90323.50118429  .00000110  00000-0  99999-4 0    35
2 10953   7.3077  64.5102 0009350 108.7207 251.2630  1.00271091  6471
SeaSat 1
1 10967U 78064  A 90322.01276555  .00001338  00000-0  50241-3 0  4293
2 10967 108.0170 277.6969 0002309 286.6288  73.4619 14.36014673648533
GPS-0003
1 11054U 78093  A 90324.25622822 -.00000022  00000-0  00000 0 0  3263
2 11054  63.8450 321.7989 0060583 120.1458 240.4734  2.00569168 88817
Nimbus 7
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1 11080U 78098  A 90311.22001831  .00000096  00000-0  11614-3 0  7217
2 11080  99.1804 212.7985 0009735  62.7838 297.4304 13.83472282607816
GPS-0004
1 11141U 78112  A 90324.36706108  .00000005  00000-0  00000 0 0   823
2 11141  63.7609  84.6053 0057157 314.3649  45.1520  2.00551129 87515
GPS-0005
1 11690U 80 11  A 90324.50764328  .00000007  00000-0  00000 0 0   762
2 11690  64.2634  86.7771 0120089 201.9834 157.4827  2.00553860 93372
GPS-0006
1 11783U 80 32  A 90325.31035244 -.00000022  00000-0  99999-4 0  2890
2 11783  63.6397 321.2864 0150913  59.3407 302.1607  2.00560843 77471
GOES 5
1 12472U 81049  A 90320.37663842  .00000029  00000-0  99999-4 0    26
2 12472   3.8345  73.8357 0000513 197.1858 162.5767  1.00207685 33753
SME
1 12887U 81100  A 90323.20310950  .00105826  00000-0  93772-3 0  9480
2 12887  97.6111  21.5191 0001037 122.4814 237.6549 15.68263316505406
Salyut 7
1 13138U 82 33  A 90324.13915245  .00134970  00000-0  57378-3 0  6501
2 13138  51.5979 225.2984 0003738 138.5517 221.5796 15.84350908489384
Cosmos 1383
1 13301U 82 66  A 90319.22847079  .00000097  00000-0  10135-3 0  6728
2 13301  82.9336 190.0740 0028609 103.7743 256.6603 13.67859879418321
LandSat 4
1 13367U 82 72  A 90323.25066496  .00000487  00000-0  11792-3 0  5857
2 13367  98.1467  22.5766 0004273  25.5956 334.5460 14.57140471443889
IRAS
1 13777U 83  4  A 90320.41908643  .00000422  00000-0  31696-3 0  8747
2 13777  99.0165 154.8146 0012892 331.4267  28.6168 13.98848635 68228
Cosmos 1447
1 13916U 83 21  A 90303.05457697  .00000154  00000-0  15111-3 0  7453
2 13916  82.9423 272.3464 0039086 122.0581 238.4380 13.74072627381192
TDRS 1
1 13969U 83 26  B 90319.50121415  .00000130  00000-0  99999-4 0  1858
2 13969   4.8353  64.6058 0000825 137.8923 221.8496  1.00281031   862
GOES 6
1 14050U 83 41  A 90321.42820726  .00000108  00000-0  99999-4 0  3321
2 14050   2.5913  76.7213 0007096 183.2415 176.3088  1.00287975  1681
OSCAR 10
1 14129U 83 58  B 90325.45940542  .00000014  00000-0  00000 0 0  6231
2 14129  25.9877 174.0618 5961398 194.2657 136.1003  2.05879606 27971
GPS-0008
1 14189U 83 72  A 90325.24369984  .00000004  00000-0  99999-4 0  8764
2 14189  63.4420  82.9505 0145282 222.0096 136.8684  2.00569168 53917
LandSat 5
1 14780U 84 21  A 90323.41774146  .00000865  00000-0  20208-3 0  4366
2 14780  98.1857  21.0145 0002442  85.6134 274.5343 14.57126283357329
UoSat 2
1 14781U 84 21  B 90323.60787155  .00001823  00000-0  34170-3 0  8780
2 14781  97.9322  10.9597 0013393 111.6941 248.5697 14.65894846358730
GPS-0009
1 15039U 84 59  A 90324.41821144  .00000004  00000-0  00000 0 0  1307
2 15039  63.1984  82.1128 0025099 223.1263 136.6640  2.00567617 47176
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1 15055U 84 62  A 90321.92808125  .00000125  00000-0  12294-3 0    31
2 15055  82.9536 308.9740 0025831 256.0195 103.8097 13.73390548321174
GPS-0010
1 15271U 84 97  A 90324.85928023 -.00000023  00000-0  00000 0 0  9747
2 15271  63.1356 320.7757 0109238 328.3024  31.0540  2.00560935 44290
Cosmos 1602
1 15331U 84105  A 90320.69247653  .00003210  00000-0  43134-3 0  4299
2 15331  82.5380 219.4857 0021778 189.3715 170.7102 14.78853882330622
NOAA 9
1 15427U 84123  A 90325.36077426  .00000461  00000-0  26971-3 0  6751
2 15427  99.1725 328.9044 0014262 289.7100  70.2540 14.12734716306177
Cosmos 1686
1 16095U 85 86  A 90324.89602516  .00107062  00000-0  45427-3 0  8386
2 16095  51.5963 221.3424 0002992 142.6469 217.5367 15.84490198489500
GPS-0011
1 16129U 85 93  A 90325.07791188  .00000005  00000-0  00000 0 0  6827
2 16129  63.9626  83.2048 0124470 148.1575 212.5909  2.00564480 37509
Mir
1 16609U 86 17  A 90324.63000519  .00031994  00000-0  36792-3 0  1073
2 16609  51.6125 262.5174 0032955 276.2838  83.5125 15.61042347272537
SPOT 1
1 16613U 86 19  A 90321.67764729  .00000823  00000-0  40476-3 0  1825
2 16613  98.7216  34.0219 0001715  98.9011 261.2363 14.20030408 85719
Cosmos 1766
1 16881U 86 55  A 90324.86992723  .00003834  00000-0  52156-3 0  2333
2 16881  82.5222 274.4728 0020764 192.2938 167.7712 14.78405697232294
EGP
1 16908U 86 61  A 90322.20472868 -.00000039  00000-0 -39017-5 0  3238
2 16908  50.0090 142.5083 0011095 227.1133 132.8776 12.44390363194034
NOAA 10
1 16969U 86 73  A 90319.37514995  .00000488  00000-0  23024-3 0  5237
2 16969  98.5865 343.8612 0013119 186.3812 173.7202 14.23796735216126
MOS-1
1 17527U 87 18  A 90321.21484844  .00000460  00000-0  36780-3 0  7238
2 17527  99.0974  31.6972 0001008  74.7343 285.4214 13.94866527190598
GOES 7
1 17561U 87 22  A 90324.12927974 -.00000040  00000-0  99999-4 0  6786
2 17561   0.0696 111.0431 0081391 196.8072  51.4572  1.00202819  7137
Kvant-1
1 17845U 87 30  A 90324.82201089  .00057496  00000-0  65387-3 0  3897
2 17845  51.6090 261.5521 0032448 277.4203  82.1367 15.61075661207291
DMSP B5D2-3
1 18123U 87 53  A 90323.43052678  .00000173  00000-0  99999-4 0  7820
2 18123  98.8124 151.9508 0013539 303.8764  56.1124 14.14221528176340
RS-10/11
1 18129U 87 54  A 90325.09439216  .00000144  00000-0  14691-3 0  4378
2 18129  82.9271 212.5923 0012955  47.7371 312.4869 13.72125310170968
Meteor 2-16
1 18312U 87 68  A 90321.99014551  .00000220  00000-0  18868-3 0  5773
2 18312  82.5545 168.3952 0011516 176.4381 183.6863 13.83701783164258
Meteor 2-17
1 18820U 88  5  A 90321.99973301  .00000293  00000-0  25156-3 0  4289
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2 18820  82.5446 228.1733 0015129 253.9594 105.9903 13.84393413141463
DMSP B5D2-4
1 18822U 88  6  A 90323.40302768  .00000718  00000-0  34458-3 0  7283
2 18822  98.6228 199.0415 0006411 174.0183 186.1073 14.21639363144871
Glonass 34
1 19163U 88 43  A 90323.00190667  .00000020  00000-0  99999-4 0   867
2 19163  64.9128 153.9417 0007138 180.1065 179.9449  2.13102491 19446
Glonass 36
1 19165U 88 43  C 90322.58969099  .00000020  00000-0  99999-4 0   910
2 19165  64.8994 153.9576 0003640 352.3013   7.7456  2.13102669 19436
AO-13
1 19216U 88 51  B 90317.50267394 -.00000201  00000-0  99999-4 0  2241
2 19216  56.9436 126.0467 7064813 240.2087  32.9306  2.09704510 18530
OKEAN 1
1 19274U 88 56  A 90322.08597930  .00002667  00000-0  36804-3 0    49
2 19274  82.5182  15.7725 0021278 344.7171  15.3511 14.77692823127640
Meteor 3-2
1 19336U 88 64  A 90320.59821512  .00000061  00000-0  14106-3 0  6758
2 19336  82.5462 169.6074 0016694 296.7228  63.2172 13.16905918111014
Glonass 39
1 19503U 88 85  C 90323.54781307 -.00000016  00000-0  99999-4 0  9918
2 19503  65.3771  33.3749 0006735 191.6397 168.4093  2.13103605 16947
NOAA 11
1 19531U 88 89  A 90325.29864676  .00000496  00000-0  29260-3 0  4287
2 19531  99.0027 273.9299 0011703 197.5204 162.5564 14.11800654111135
TDRS 2
1 19548U 88 91  B 90320.33040178  .00000113  00000-0  99999-4 0  2215
2 19548   0.4901  82.5397 0002655 146.4927 130.7287  1.00266714  1789
Glonass 40
1 19749U 89  1  A 90322.65032154  .00000020  00000-0  99999-4 0  7887
2 19749  64.8569 153.6256 0004781 271.2688  88.7290  2.13102224 14457
Glonass 41
1 19750U 89  1  B 90322.70858113  .00000020  00000-0  99999-4 0  8405
2 19750  64.8704 153.6439 0004638 243.5922 116.4143  2.13102130 14459
GPS BII-01
1 19802U 89 13  A 90318.46958164  .00000016  00000-0  99999-4 0  2264
2 19802  55.0472 191.4877 0052395 161.1250 199.1603  2.00551623 12761
Akebono
1 19822U 89 16  A 90320.64606557  .00022911  00000-0  15738-2 0  8405
2 19822  75.0828 163.7622 4136491 124.0448 282.3707  7.18157521 10728
Meteor 2-18
1 19851U 89 18  A 90321.43339598  .00000191  00000-0  16196-3 0  3787
2 19851  82.5154 106.3684 0014149 301.8868  58.0900 13.84025343 86764
MOP-1
1 19876U 89 20  B 90309.87822950  .00000020  00000-0  99999-4 0  1715
2 19876   0.0696 240.9900 0003781 209.4564 269.9567  1.00274378  2083
TDRS 3
1 19883U 89 21  B 90285.05717295 -.00000236  00000-0  99999-4 0  1576
2 19883   0.4476  83.4923 0002993 155.4629 121.0385  1.00265607 76062
GPS BII-02
1 20061U 89 44  A 90324.28733236 -.00000033  00000-0  99999-4 0  2254
2 20061  54.8360   9.4878 0091438 179.8834 180.1779  2.00481192 10627
Nadezhda 1
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1 20103U 89 50  A 90321.65004764  .00000116  00000-0  11233-3 0  2775
2 20103  82.9620 171.8788 0038395 333.4233  26.4947 13.73625487 68781
GPS BII-03
1 20185U 89064  A 90302.75012221  .00000042  00000-0  00000-0 0 01467
2 20185 054.9239 192.9528 0022428 161.3420 240.3729 02.00578277008778
GPS BII-04
1 20302U          90304.15728615 -.00000046          -68427+2 0  1700
2 20302  54.5417 311.5245 0033626 314.8971  44.9144  2.00365710  7590
Meteor 3-3
1 20305U 89 86  A 90320.89806195  .00000045  00000-0  10085-3 0  2754
2 20305  82.5524 110.3129 0015712 310.4771  49.4980 13.15867409 51031
COBE
1 20322U 89 89  A 90317.48794845 -.00000030  00000-0 -78330-5 0  2277
2 20322  99.0231 326.3382 0008292 321.2694  38.7866 14.02906767 50421
Kvant-2
1 20335U 89 93  A 90324.88599676  .00095498  00000-0  10779-2 0  4882
2 20335  51.6235 261.2151 0031151 281.7087  77.6610 15.61108797 56237
GPS BII-05
1 20361U 89 97  A 90319.68844673  .00000014  00000-0  99999-4 0  1214
2 20361  55.0152 134.3312 0064455  56.3128 304.3277  2.00583539  6768
SPOT 2
1 20436U 90  5  A 90321.99491494  .00000451  00000-0  22960-3 0  4293
2 20436  98.7221  34.4018 0000698  72.9120 287.2127 14.20028980 42571
UO-14
1 20437U 90  5  B 90322.73966395  .00000534  00000-0  22766-3 0  2760
2 20437  98.6895  38.3096 0012144  62.1098 298.1325 14.28790482 42933
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1 20438U 90  5  C 90321.25274388  .00000343  00000-0  15295-3 0  1734
2 20438  98.6905  36.7800 0011174  67.1480 293.0883 14.28480611 42712
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2 20439  98.6939  37.2320 0012540  68.5913 291.6607 14.28888085 42756
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1 20440U 90  5  E 90323.12914980  .00000561  00000-0  23790-3 0  1757
2 20440  98.6933  38.9183 0012719  64.4348 295.8146 14.28947046 42995
WO-18
1 20441U 90  5  F 90323.45856257  .00000505  00000-0  21558-3 0  1754
2 20441  98.6935  39.2837 0013221  63.5656 296.6882 14.29028895 43045
LO-19
1 20442U 90  5  G 90323.65401460  .00000521  00000-0  22115-3 0  1768
2 20442  98.6925  39.5106 0013586  63.2006 297.0565 14.29101116 43071
GPS BII-06
1 20452U 90  8  A 90318.58437314  .00000003  00000-0  99999-4 0  1226
2 20452  54.4855 249.8481 0031326  39.3908 321.0847  2.00876226  5866
MOS-1B
1 20478U 90 13  A 90321.60437243  .00000086  00000-0  77270-4 0  4736
2 20478  99.1765  31.0630 0000707  50.3647 309.7361 13.94837839 39525
DEBUT
1 20479U 90 13  B 90322.00270125  .00000040  00000-0  13734-3 0  1726
2 20479  99.0243 339.3668 0541486  60.0976 305.2814 12.83164617 36477
FO-20
1 20480U 90 13  C 90325.59380162  .00000066  00000-0  19792-3 0  1726
2 20480  99.0226 342.2701 0541585  52.0494 312.8281 12.83156346 36930
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1 20491U 90 13  D 90320.57961992 -.00000012  00000-0  26920-5 0  1744
2 20491  99.0271 346.1646 0471149  34.1671 328.8804 13.02779767 36241
LACE
1 20496U 90 15  A 90323.62445630  .00008388  00000-0  48073-3 0  3416
2 20496  43.0948 187.5499 0017410 247.1769 112.7319 15.12753051 42126
RME
1 20497U 90 15  B 90321.83547846  .00016026  00000-0  39470-3 0  3879
2 20497  43.1068 137.4108 0019541 270.7393  89.1208 15.40166321 42497
Nadezhda 2
1 20508U 90 17  A 90321.45807819  .00000165  00000-0  16533-3 0  2276
2 20508  82.9500 306.8925 0042856 280.1917  79.4408 13.73246849 36049
OKEAN 2
1 20510U 90 18  A 90322.01262426  .00001708  00000-0  25750-3 0  3773
2 20510  82.5237 316.0040 0021018 131.1472 229.1519 14.73745338 38726
INTELSAT-6
1 20523U 90 21  A 90324.09420910  .00004386  00000-0  30350-3 0  3862
2 20523  28.3429 321.6315 0016064  51.7298 308.4700 15.03128561 37927
GPS BII-07
1 20533U 90 25  A 90294.05687607 -.00000033  00000-0  00000 0 0   630
2 20533  55.1450  10.8449 0034235 102.6965 257.7562  2.00556242  4124
PegSat
1 20546U 90 28  A 90325.35922565  .00009369  00000-0  54562-3 0  3404
2 20546  94.1263 298.7286 0146761 125.4775 235.9949 15.03320974 33676
HST
1 20580U 90 37  B 90324.10087612  .00004467  00000-0  48935-3 0  3376
2 20580  28.4730 336.9839 0005772 306.4636  53.5305 14.85552048 31176
Glonass 44
1 20619U 90 45  A 90323.49003979 -.00000017  00000-0  99999-4 0  2849
2 20619  64.9756  33.6291 0024075 213.6436 146.2573  2.13103062  3935
Glonass 45
1 20620U 90 45  B 90323.13864921 -.00000017  00000-0  99999-4 0  2901
2 20620  64.9755  33.6419 0005816  34.3988 325.6990  2.13103055  3938
Glonass 46
1 20621U 90 45  C 90323.66646365 -.00000017  00000-0  99999-4 0  2405
2 20621  64.9917  33.6361 0014535 205.1054 154.8824  2.13102772  3949
Kristall
1 20635U 90 48  A 90323.86174912  .00057322  00000-0  65387-3 0  2873
2 20635  51.6099 266.3985 0031832 276.6680  82.9056 15.61024313 26957
ROSAT
1 20638U 90 49  A 90322.55937484  .00003903  00000-0  34146-3 0  1327
2 20638  52.9862  85.0354 0016300  90.4841 269.8024 14.98791878 25420
Meteor 2-19
1 20670U 90 57  A 90322.01218806  .00000167  00000-0  14075-3 0  1275
2 20670  82.5493 166.5738 0014540 215.0497 144.9710 13.83877996 19799
BADR-1
1 20685U 90 59  A 90323.91477224  .00824498 -32942-4  54322-3 0  2056
2 20685  28.4766 160.5894 0217108  92.4124 270.0894 15.81905876 19404
CRRES
1 20712U 90 65  A 90320.62488661  .00000029  00000-0  99999-4 0   752
2 20712  18.2629   0.7437 7115988 285.9935  11.3523  2.43561681  2792
Soyuz TM-10
1 20722U 90 67  A 90323.86175720  .00057268  00000-0  65387-3 0  1866
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2 20722  51.6065 266.3860 0031426 271.9776  87.6628 15.61016268 17252
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1 20724U 90 68  A 90311.85453882  .00000016  00000-0  99999-4 0   712
2 20724  54.6993 190.5108 0095969 118.5847 242.4679  2.00563319  1924
Feng Yun1-2
1 20788U 90 81  A 90321.52604433  .00000449  00000-0  32524-3 0   745
2 20788  98.9361 354.5372 0010882  56.5718 303.6530 14.00575810 10577
Progress M5
1 20824U 90 85  A 90323.86176069  .00052236  00000-0  59634-3 0  1370
2 20824  51.6117 266.3944 0032644 273.4716  86.1633 15.61009902  8347
Meteor 2-20
1 20826U 90 86  A 90322.00701424  .00000113  00000-0  97244-4 0   777
2 20826  82.5244 105.8407 0014261 107.8320 252.4413 13.83237259  7017
GPS BII-09
1 20830U 90 88  A 90319.37114579  .00000014  00000-0  99999-4 0   723
2 20830  54.8910 132.5958 0078971 116.2341 244.6087  2.00565511  1158
INMARSAT2F1
1 20918U          90314.58968621 0.00000180           10000-3 0   760
2 20918   2.5783 290.6884 0063078  16.5395 344.5089  1.00339122   146
1990 093B
1 20919U 90 93  B 90321.54687137  .00016403  00000-0  85867-3 0   833
2 20919  24.7590  92.5488 0555086 329.6123  27.3327 14.34984970  2534
1990 093C
1 20920U          90324.77457033 0.00044848           38418-2 0   867
2 20920  23.4120 199.1103 7332743 186.1310 153.2183  2.24200365   478
GORIZONT 21
1 20923U          90324.33625220 -.00000213           10000-3 0   224
2 20923   1.4101 270.0867 0003621 324.1253  36.3182  1.00300597   184
1990 094D
1 20926U 90 94  D 90323.24696340 -.00000216  00000-0  99999-4 0    82
2 20926   1.4302 270.3098 0034842 342.8694  17.4278  1.00862065   172
1990 094E
1 20927U          90324.36954008 0.00002412           23743-2 0   162
2 20927  47.3187 267.2627 7255876   4.4147 359.3811  2.27503502   415
1990 094F
1 20928U 90 94  F 90322.58431867  .00005343  00000-0  21911-2 0   151
2 20928  47.2743 267.7013 7274315   4.0001 359.4127  2.27952922   371
1990 096A
1 20933U          90324.64432399 0.00001686           30046-4 0   184
2 20933  65.0060 164.8993 0009821 267.6289  92.4967 15.52079618   995
1990 098A
1 20936U          90325.01458844 0.00029263           65259-4 0   165
2 20936  62.8129 236.3373 0091363 119.4641 241.5244 15.90356362   692
1990 098B
1 20937U          90325.25546841 0.00665664  19963-3  11412-2 0   182
2 20937  62.7986 235.3546 0076359 113.1111 247.8789 15.96625876   727
1990 098C
1 20938U 90 98  C 90323.10415572  .08758114  41108-4  20984-2 0   134
2 20938  62.7809 243.5741 0059291 146.7160 213.7706 16.23915173   388
1990 098D
1 20939U          90324.17357506 0.12667258  42051-4  26720-2 0   134
2 20939  62.7743 239.4585 0041500 130.8086 229.4759 16.27659655   556
1990 098E
```

```
1 20940U          90323.42051936 0.13922963  41316-4  34762-2 0    81
2 20940  62.8234 242.2570 0034062 112.7160 255.3477 16.26782441   438
1990 099A
1 20941U          90324.64926608 -.00000100           10000-3 0    36
2 20941  63.1584  45.4732 7359998 318.6549   4.7198  2.03023821    17
1990 099B
1 20942U          90324.67165299 0.00567739  85415-5  12486-2 0    45
2 20942  62.9847  43.9074 0265192 118.0098 244.7777 15.57942999    91
1990 099C
1 20943U          90325.31279481 0.01120550  35129-4  10634-2 0    54
2 20943  63.0173  41.4606 0302067 121.9959 240.9284 15.60202205   197
--
Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology


From 545113171824799698
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f1731b7b49b0bfff,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-24 16:18:56 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!rutgers!
maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!news.cs.indiana.edu!news.nd.edu!cartan!
ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Novice License for $150 ??
Message-ID: <594.274EF710@w8grt.fidonet.org>
Date: 25 Nov 90 00:18:56 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 26
Posted: Sun Nov 25 01:18:56 1990


 > From: tad@ssc.UUCP (Tad Cook)
 > Date: 24 Nov 90 03:09:15 GMT
 > Organization: very little
 > Message-ID: <557@ssc.UUCP>
 > Newsgroups: rec.ham-radio
 >
 > In article <10372@uhccux.uhcc.Hawaii.Edu>, hlivak@hale.ifa.hawaii.edu
 > (Bob Hlivak) writes:
 > >
 > > x
 > > The text listed below comes form a flyer found in our local amateur
 > > electronics store in Honolulu.  I have copied it as faithfully as
 > > possible (mistakes included).
 >
 > Naw, this is legit.  Gordon West does this special short courses
 > regularly.  He did one in the Seattle area for a bunch of AEA and ICOM
 > employees a couple of years ago, but I think the fee was $100.

Isn't paying ridiculous prices for self-improvement and "enrichment" courses
```

required of all card carrying yuppies?

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 3987106625360002885
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3adef9a01890aaaf,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,3adef9a01890aaaf,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f5cc0,3adef9a01890aaaf,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-11-24 18:49:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!rutgers!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.space
Subject: DOVE-1 Telemetry Decoded
Keywords: OSCAR-17
Message-ID: <374@ka2qhd.UUCP>
Date: 25 Nov 90 02:49:00 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 103
Xref: gmdzi rec.ham-radio:17140 rec.ham-radio.packet:3095 sci.space:17765
Posted: Sun Nov 25 03:49:00 1990

Here is what telemetry from the DOVE-1 spacecraft looks like once it's been decoded. Calculations applied to the raw telemetry frame are based on calibration equations labeled "Rev 1":

```
  DOVE-1 Telemetry Analysis by KD2BD

 DOVE-1/OSCAR-17 Raw Telemetry Display

DOVE-1>TIME-1:
PHT: uptime is 113/23:52:49.  Time is Sun Nov 25 01:02:06 1990

DOVE-1>TLM:
00:5A 01:59 02:84 03:31 04:5A 05:59 06:6E 07:52 08:6A 09:72 0A:A2
0B:DA 0C:E9 0D:D8 0E:02 0F:24 10:D4 11:A8 12:00 13:02 14:A5 15:91
16:89 17:86 18:88 19:88 1A:86 1B:6E 1C:8D 1D:8A 1E:29 1F:5F 20:BE

DOVE-1>TLM:
21:B0 22:88 23:23 24:1E 25:2A 26:02 27:00 28:01 29:02 2A:01 2B:02
2C:01 2D:28 2E:00 2F:9E 30:CC 31:A0 32:11 33:D6 34:C0 35:99 36:A6
37:A5 38:AD
```

```
   DOVE-1/OSCAR-17 Telemetry Values:


[00] Rx E/F Audio (W)    2.21    V(p-p)
[01] Rx E/F Audio (N)    2.19    V(p-p)
[02] Mixer Bias V        1.35     Volts
[03] Osc. Bias V         0.50     Volts
[04] Rx A Audio (W)      2.21    V(p-p)
[05] Rx A Audio (N)      2.19    V(p-p)
[06] Rx A DISC           0.23       KHz
[07] Rx A S Meter       82.00    Counts
[08] Rx E/F DISC        -0.88       KHz
[09] Rx E/F S Meter    114.00    Counts
[10] +5 Volt Bus         4.94     Volts
[11] +5V Rx Current     21.80        mA
[12] +2.5V VREF          2.52     Volts
[13] +8.5V Bus           8.45     Volts
[14] IR Detector         2.00    Counts
[15] LO Monitor I        1.33        mA
[16] +10V Bus           10.76     Volts
[17] GaAs FET Bias I     4.37        mA
[18] Ground REF          0.00     Volts
[19] +Z Array V          0.20     Volts
[20] Rx Temp             1.21    Deg. C
[21] +X (RX) Temp       13.31    Deg. C
[22] Battery 1 V         1.33     Volts
[23] Battery 2 V         1.32     Volts
[24] Battery 3 V         1.32     Volts
[25] Battery 4 V         1.31     Volts
[26] Battery 5 V         1.33     Volts
[27] Battery 6 V         1.42     Volts
[28] Battery 7 V         1.32     Volts
[29] Battery 8 V         1.32     Volts
[30] Array Voltage       4.25     Volts
[31] +5V Bus             4.90     Volts
[32] +8.5V Bus           8.55     Volts
[33] +10V Bus           11.30     Volts
[34] BCR Set Point     148.86    Counts
[35] BCR Load Curr     157.20        mA
[36] 8.5V Bus Curr      47.77        mA
[37] +5V Bus Curr      186.04        mA
[38] -X Array Curr      -6.45        mA
[39] +X Array Curr     -13.49        mA
[40] -Y Array Curr      -9.57        mA
[41] +Y Array Curr      -6.85        mA
[42] -Z Array Curr     -14.08        mA
[43] +Z Array Curr      -6.81        mA
[44] Ext Power Curr    -17.50        mA
[45] BCR Input Curr     65.58        mA
[46] BCR Output Curr   -17.24        mA
```

```
[47] Bat 1 Temp          5.44    Deg. C
[48] Bat 2 Temp        -22.39    Deg. C
[49] Baseplate Temp      4.23    Deg. C
[50] FM TX#1 RF Out      0.03     Watts
[51] FM TX#2 RF Out      3.61     Watts
[52] PSK TX HPA Temp   -15.13    Deg. C
[53] +Y Array Temp       8.47    Deg. C
[54] RC PSK HPA Temp     0.60    Deg. C
[55] RC PSK BP Temp      1.21    Deg. C
[56] +Z Array Temp      -3.63    Deg. C
```

Note that the spacecraft was in eclipse when this telemetry sample was taken (actual location was off the east coast of New Jersey). Also note that the 24-hour UTC clock is one hour slow.

By the way, the software that performed this telemetry analysis was written in 'C' and was compiled and run on a Commodore 64 computer (!!).

...John A. Magliacane, KD2BD

```
--
John A. Magliacane                 FAX  : (908) 747-7107
Electronics Technology Department  AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College        UUCP : ...!rutgers!ka2qhd!kd2bd
Lincroft, NJ  07738  USA           VOICE: (908) 842-1900 ext 607
```

From -8672293027172417892
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,323c4d0a92d7001e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-17 04:18:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Code/Nocode/Headcode/Koff/Koff
Message-ID: <23145@ucsd.Edu>
Date: 17 Nov 90 12:18:08 GMT
References: <401.273D6D08@w8grt.uucp> <5650004@hpcvaac.cv.hp.com>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 9
Posted: Sat Nov 17 13:18:08 1990

In article <5650004@hpcvaac.cv.hp.com> billn@hpcvaac.cv.hp.com (bill nelson) writes:

>... why does so much of the chatter on UHF sound like CBrs using repeaters?

Because so much of the chatter on 20 meters sounds like soon-to-be dead men scratching at the covers of their coffins. It's like visiting the last-rites ward in a old folks home.

- Brian

```
From -9070926404633247192
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fa54ebe3db25fc20,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-17 09:36:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Electrically short antennas
Message-ID: <9011171736.AA05941@cmr.ncsl.nist.gov>
Date: 17 Nov 90 17:36:20 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
     formerly National Bureau of Standards
Lines: 28
Posted: Sat Nov 17 18:36:20 1990
```

I haven't been following this line very closely - or mail machine has been sick most of the week - but there seems to be a LOT of confusion being promulgated. I have NEVER earned my living designing natennas, but here goes:-

Probably the basic confusion is caused by whether you are considering the series or parallel equivalent circuit of the anetnna. In either case the thing looks like a capacitor and a resistor (the radiation resistance). There is also the resistor which corresponds to the antenna resistive losses. I think that the performance of short antennas can be understood better using the series equivalent circuit: a series combination of the (resistive) losses in the loading coil, antenna conductor, and ground system; the very small radiation resistance of the antenna; and the capacitance (to everywhere) of the antenna. The series impedance is high, but the useful part, the radiation resistance, is very low.

The radiated POWER is the power "dissipated" in the radiation resistance Pr = Rr * I^2 . Thus you need to get as much current flowing in the antenna as possible. But where can it go? Ah ha, it goes into the capacitance of the antenna, and it's easier to get a lot of current flowing in an electrically large capacitor, thus the large "top-hats" on LF antennas. But this same current also flows in the ground circuit and the loading coil and the actual (not radiation) resistance of the antenna conductor. All the "I^2 * R" loss in these represents wasted power. Thus the need for LARGE conductors so the copper resistance will be as low as possible compared with the radiation resistance - which is very low for electrically short antennas.

I hope this is of some use,   73   Bob   W3OTC

From 1278835552947802602
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4bf9519ba6b3424f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-17 10:17:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!emory!gatech!ncar!asuvax!anasaz!qip!anasaz.uucp
From: john@anasaz.uucp (John Moore)
Newsgroups: rec.ham-radio
Subject: The UN-NET was busy today!
Message-ID: <5453@qip.UUCP>
Date: 17 Nov 90 18:17:52 GMT
Sender: john@qip.UUCP
Organization: Anasazi, Inc. Phoenix, Az
Lines: 28
Posted: Sat Nov 17 19:17:52 1990

Well - we had quite a turnout on the Un-Net today! I logged:
  N8EMR - gary
  WA7LDV - Jim
  KE9ZM - Gary
  NV3Z - Michael
  WA1RHP - Tom
  W5RRRR/K5ZC - Jay
  N4YRJ - Peter
  N4BYO - Jim
  N5KNX - James

and a couple not affiliated with Internet/Usenet/Bitnet/Fidonet.

We discussed what to do about the endless debates (code-nocode, out of band mods, HT's on airplanes, etc). We found out how Jay got the moniker "The Ignorant Splut." We heard what various folks did for a living and how they connected to the computer side of this network.

In general, a good time was had by all, even though there was a lot of QRM and variable propagation.

As I write this, Jay K5ZC has taken over net control and it is rolling along.

Join us on Saturdays, 1700Z... on 28390-28410 (this time we we at 28390.30)!

From -6153876153997943946
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6cad8e6672dba25b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-17 12:01:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!

```
ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9011172001.AA03944@blackbird.afit.af.mil>
Date: 17 Nov 90 20:01:57 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 468
Posted: Sat Nov 17 21:01:57 1990
```

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #771 -
Alouette 1
1 00424U 62B-A  1 90297.12181902  .00000242  00000-0  28031-3 0  3451
2 00424  80.4648 158.9603 0023114 303.7491  56.1455 13.67405298400311
ATS 3
1 03029U 67111  A 90310.22246658 -.00000075  00000-0  99999-4 0  4715
2 03029  13.3823  19.9996 0017217 211.2983 148.5681  1.00272623 84214
Cosmos 398
1 04966U 71 16  A 90320.23244904  .00081677  18493-4  41677-3 0  2418
2 04966  51.5032 210.5872 2174025  79.0422 304.5752 11.27517462608672
Starlette
1 07646U 75010  A 90309.06339185  .00000009  00000-0  54872-4 0  1724
2 07646  49.8255 322.6008 0205755 296.2313  61.7560 13.82145498795268
LAGEOS
1 08820U 76039  A 90308.25786082  .00000004  00000-0  00000 0 0  1716
2 08820 109.8641  43.1002 0044610 208.5852 151.2379  6.38664478 82880
GOES 2
1 10061U 77048  A 90307.22022354 -.00000258  00000-0  99999-4 0  5220
2 10061   8.4055  61.8818 0016382  14.2241 345.8386  1.00278400 50406
GPS-0001
1 10684U 78020  A 90308.54512947  .00000006  00000-0  99999-4 0  5714
2 10684  63.7864  85.2277 0123185 197.6363 161.9215  2.00555705 78662
GPS-0002
1 10893U 78 47  A 90317.50785806 -.00000023  00000-0  00000 0 0  2747
2 10893  64.3313 325.7700 0169656  24.2640 336.5487  2.00539494 91662
GOES 3
1 10953U 78062  A 90311.53403423  .00000109  00000-0  99999-4 0    01
2 10953   7.2783  64.5593 0012068  71.6494 288.4071  1.00263294  6358
SeaSat 1
1 10967U 78064  A 90319.36565447  .00001267  00000-0  47787-3 0  4289
2 10967 108.0163 272.2299 0002412 294.0224  66.0685 14.36005873648151
GPS-0003
1 11054U 78093  A 90314.28461035 -.00000023  00000-0  00000 0 0  3230
2 11054  63.8492 322.1050 0061186 119.9002 240.7394  2.00568556 88611
```

```
Nimbus 7
1 11080U 78098  A 90311.22001831  .00000096  00000-0  11614-3 0  7217
2 11080  99.1804 212.7985 0009735  62.7838 297.4304 13.83472282607816
GPS-0004
1 11141U 78112  A 90318.38350910  .00000006  00000-0  00000 0 0   779
2 11141  63.7810  84.7785 0058456 314.5944  44.8333  2.00550717 87391
GPS-0005
1 11690U 80 11  A 90313.53802755  .00000007  00000-0  00000 0 0   748
2 11690  64.2597  87.1146 0120075 202.0395 157.4335  2.00554050 93152
GPS-0006
1 11783U 80 32  A 90319.32714477 -.00000022  00000-0  99999-4 0  2841
2 11783  63.6433 321.4777 0150926  57.8762 303.5981  2.00560795 77351
GOES 5
1 12472U 81049  A 90318.38108028  .00000026  00000-0  99999-4 0    09
2 12472   3.8301  73.8322 0000815 247.4480 112.4034  1.00207229 33735
SME
1 12887U 81100  A 90313.11489322  .00085190  00000-0  82572-3 0  9295
2 12887  97.6100  10.5905 0002596 155.5991 204.5639 15.66098848503820
Salyut 7
1 13138U 82 33  A 90319.84856808  .00115454  00000-0  51924-3 0  6464
2 13138  51.5978 247.6713 0003959 117.6844 242.4555 15.83227915488707
Cosmos 1383
1 13301U 82 66  A 90305.18405170  .00000132  00000-0  14297-3 0  6059
2 13301  82.9327 200.3619 0027655 140.4182 219.8991 13.67857717416403
LandSat 4
1 13367U 82 72  A 90313.15636454  .00000599  00000-0  14281-3 0  5728
2 13367  98.1463  12.7021 0004740  55.0614 305.0984 14.57149351442416
IRAS
1 13777U 83  4  A 90314.55391066  .00000478  00000-0  35522-3 0  8732
2 13777  99.0144 149.0476 0012413 348.6475  11.4431 13.98843490 67403
Cosmos 1447
1 13916U 83 21  A 90303.05457697  .00000154  00000-0  15111-3 0  7453
2 13916  82.9423 272.3464 0039086 122.0581 238.4380 13.74072627381192
TDRS 1
1 13969U 83 26  B 90310.52656610  .00000129  00000-0  99999-4 0  1747
2 13969   4.8139  64.5164 0003687 167.9312 191.9241  1.00278554   777
GOES 6
1 14050U 83 41  A 90319.43392221  .00000110  00000-0  99999-4 0  3315
2 14050   2.5991  76.4474 0013643 207.4909 152.1539  1.00285305  1661
OSCAR 10
1 14129U 83 58  B 90311.38885312  .00000013  00000-0  00000 0 0  6218
2 14129  26.0154 176.3254 5958797 190.4011 147.4868  2.05880027 27684
GPS-0008
1 14189U 83 72  A 90312.28060599  .00000005  00000-0  99999-4 0  8732
2 14189  63.4323  83.3524 0145126 221.7913 137.0820  2.00568827 53653
LandSat 5
1 14780U 84 21  A 90313.18601690  .00000785  00000-0  18405-3 0  4280
2 14780  98.1855  10.9603 0002435 116.8002 243.3453 14.57103249355833
UoSat 2
1 14781U 84 21  B 90319.58058571  .00001739  00000-0  32630-3 0  8779
2 14781  97.9328   7.0711 0013287 124.0200 236.2310 14.65878286358140
GPS-0009
1 15039U 84 59  A 90313.94796817  .00000004  00000-0  00000 0 0  1277
```

```
2 15039  63.1947  82.4462 0024198 223.2611 136.5354  2.00567407 46960
Cosmos 1574
1 15055U 84 62  A 90306.99309868  .00000122  00000-0  11954-3 0  9961
2 15055  82.9557 319.9907 0026344 299.5820  60.2713 13.73387408319125
GPS-0010
1 15271U 84 97  A 90316.38307894 -.00000023  00000-0  00000 0 0  9721
2 15271  63.1403 321.0491 0109015 328.2857  31.0894  2.00560823 44128
Cosmos 1602
1 15331U 84105  A 90311.82861483  .00001996  00000-0  26764-3 0  4230
2 15331  82.5369 227.7069 0021042 219.2967 140.6718 14.78788002329316
NOAA 9
1 15427U 84123  A 90313.24986686  .00000335  00000-0  20164-3 0  6727
2 15427  99.1738 316.5070 0014716 325.4239  34.5972 14.12721516304464
Cosmos 1686
1 16095U 85 86  A 90319.78546781  .00100614  00000-0  45427-3 0  8341
2 16095  51.5968 248.0037 0003310 125.4757 234.7725 15.83204225488696
GPS-0011
1 16129U 85 93  A 90311.61591894  .00000005  00000-0  00000 0 0  6778
2 16129  63.9562  83.6160 0124740 148.1716 212.5833  2.00564021 37231
Mir
1 16609U 86 17  A 90320.59655971  .00038737  00000-0  44897-3 0  1024
2 16609  51.6121 282.8442 0033007 261.3700  98.3684 15.60738566271906
SPOT 1
1 16613U 86 19  A 90311.24940553  .00000610  00000-0  30471-3 0  1770
2 16613  98.7203  23.7446 0001546 113.7487 246.3852 14.20016901 84232
Cosmos 1766
1 16881U 86 55  A 90316.88328310  .00003826  00000-0  52156-3 0  2297
2 16881  82.5188 281.8985 0019629 220.9525 139.0203 14.78354880231115
EGP
1 16908U 86 61  A 90308.06930136 -.00000008  00000-0  24636-3 0  3226
2 16908  50.0073 185.9661 0011286 189.9705 170.0907 12.44390180192271
NOAA 10
1 16969U 86 73  A 90319.37514995  .00000488  00000-0  23024-3 0  5237
2 16969  98.5865 343.8612 0013119 186.3812 173.7202 14.23796735216126
MOS-1
1 17527U 87 18  A 90312.67888037  .00000119  00000-0  11370-3 0  7217
2 17527  99.0958  23.2895 0001277  98.1558 261.9196 13.94858461189401
GOES 7
1 17561U 87 22  A 90320.13743496 -.00000046  00000-0  99999-4 0  6762
2 17561   0.0610 110.0642 0079108 197.5389  51.7160  1.00201878  7093
Kvant-1
1 17845U 87 30  A 90319.57204581  .00056607  00000-0  65387-3 0  3852
2 17845  51.6154 288.0052 0032803 256.9374 102.7091 15.60665975206475
DMSP B5D2-3
1 18123U 87 53  A 90313.17179948  .00000172  00000-0  99999-4 0  7740
2 18123  98.8110 141.8305 0014032 333.6167  26.4294 14.14208392174895
RS-10/11
1 18129U 87 54  A 90319.84411045 -.00000257  00000-0 -28888-3 0  4329
2 18129  82.9283 216.4700 0013150  61.6641 298.5810 13.72123050170240
Meteor 2-16
1 18312U 87 68  A 90307.02179524  .00000219  00000-0  18868-3 0  5715
2 18312  82.5593 180.2594 0010977 220.7038 139.3302 13.83697306162189
Meteor 2-17
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1 18820U 88  5  A 90308.26753517  .00000225  00000-0  19108-3 0  4228
2 18820  82.5428 239.0875 0015421 295.0509  64.9051 13.84385969139562
DMSP B5D2-4
1 18822U 88  6  A 90313.12731673  .00000426  00000-0  21117-3 0  7219
2 18822  98.6230 189.0016 0006018 205.6769 154.4111 14.21621910143413
Glonass 34
1 19163U 88 43  A 90311.73969443  .00000020  00000-0  99999-4 0   770
2 19163  64.9163 154.3146 0007129 181.3850 178.6701  2.13102533 19202
Glonass 36
1 19165U 88 43  C 90312.26599936  .00000020  00000-0  99999-4 0   788
2 19165  64.8986 154.2995 0003429 346.7333  13.3145  2.13102720 19215
AO-13
1 19216U 88 51  B 90307.48932688 -.00000145  00000-0  99999-4 0  2227
2 19216  56.9189 127.7311 7058799 239.4414  33.6795  2.09703007 18328
OKEAN 1
1 19274U 88 56  A 90308.00100154  .00002011  00000-0  27715-3 0  9978
2 19274  82.5188  28.8499 0022496  30.0465 330.2117 14.77618985125560
Meteor 3-2
1 19336U 88 64  A 90306.69468626  .00000069  00000-0  16153-3 0  6714
2 19336  82.5472 179.4423 0017637 331.4392  28.5765 13.16904674109184
Glonass 39
1 19503U 88 85  C 90312.28557474 -.00000016  00000-0  99999-4 0  9755
2 19503  65.3728  33.7551 0006556 190.0291 169.9948  2.13103467 16706
NOAA 11
1 19531U 88 89  A 90320.55028907  .00000833  00000-0  47692-3 0  4262
2 19531  99.0016 269.1652 0011534 211.3853 148.6610 14.11797128110463
TDRS 2
1 19548U 88 91  B 90293.40456092  .00000114  00000-0  99999-4 0  1577
2 19548   0.4230  82.4081 0002990 141.3999 135.9901  1.00275590  1511
Glonass 40
1 19749U 89  1  A 90312.32662028  .00000020  00000-0  99999-4 0  7788
2 19749  64.8557 153.9657 0004968 274.2755  85.7254  2.13102158 14236
Glonass 41
1 19750U 89  1  B 90311.91560674  .00000020  00000-0  99999-4 0  8295
2 19750  64.8730 154.0060 0004858 243.6333 116.3805  2.13102489 14220
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1 19802U 89 13  A 90318.46958164  .00000016  00000-0  99999-4 0  2264
2 19802  55.0472 191.4877 0052395 161.1250 199.1603  2.00551623 12761
Akebono
1 19822U 89 16  A 90312.98312717  .00023679  00000-0  16091-2 0  8297
2 19822  75.0824 167.5593 4139198 129.0103 275.8742  7.17766480 10177
Meteor 2-18
1 19851U 89 18  A 90319.48146669  .00000191  00000-0  16196-3 0  3762
2 19851  82.5159 107.9249 0014236 307.4120  52.5733 13.84024812 86496
MOP-1
1 19876U 89 20  B 90309.87822950  .00000020  00000-0  99999-4 0  1715
2 19876   0.0696 240.9900 0003781 209.4564 269.9567  1.00274378  2083
TDRS 3
1 19883U 89 21  B 90285.05717295 -.00000236  00000-0  99999-4 0  1576
2 19883   0.4476  83.4923 0002993 155.4629 121.0385  1.00265607 76062
GPS BII-02
1 20061U 89044  A 90302.54248111  .00000004  00000-0  00000-0 0 01574
2 20061 054.8362 010.3971 0091340 178.6335 326.9881 02.00480874010180
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1 20103U 89 50  A 90306.71767382  .00000144  00000-0  14190-3 0  2717
2 20103  82.9611 182.8786 0039292  13.1675 347.0488 13.73622917 66730
GPS BII-03
1 20185U 89064  A 90302.75012221  .00000042  00000-0  00000-0 0 01467
2 20185 054.9239 192.9528 0022428 161.3420 240.3729 02.00578277008778
GPS BII-04
1 20302U 89085  A 90302.21567919 -.00000072  00000-0  00000-0 0 01432
2 20302 054.5257 311.6249 0033205 314.9053 084.3329 02.00364693007550
Meteor 3-3
1 20305U 89 86  A 90319.90960172  .00000042  00000-0  98859-4 0  2742
2 20305  82.5523 111.0091 0015900 313.1887  46.7931 13.15867306 50900
COBE
1 20322U 89 89  A 90312.49557973 -.00000030  00000-0 -78330-5 0  2261
2 20322  99.0242 321.3895 0008713 335.0734  25.0012 14.02908538 49724
Kvant-2
1 20335U 89 93  A 90319.70004930  .00094142  00000-0  10779-2 0  4842
2 20335  51.6095 287.3640 0032012 259.4227  99.8933 15.60713304 55427
GPS BII-05
1 20361U 89097  A 90302.92923079 -.00000096  00000-0  00000-0 0 00931
2 20361 054.9854 135.0109 0064855 055.2873 083.0611 02.00583938006425
SPOT 2
1 20436U 90  5  A 90311.00298352  .00000476  00000-0  24135-3 0  4239
2 20436  98.7220  23.5698 0000860  89.6458 270.4737 14.20017065 41014
UO-14
1 20437U 90  5  B 90316.71715249  .00000484  00000-0  20833-3 0  2757
2 20437  98.6897  32.3112 0012055  78.9138 281.3408 14.28782537 42072
UO-15
1 20438U 90  5  C 90308.22446535  .00000251  00000-0  11631-3 0  1728
2 20438  98.6914  23.8086 0011034 103.1659 257.0758 14.28470811 40854
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1 20439U 90  5  D 90316.48623254  .00000435  00000-0  18808-3 0  1739
2 20439  98.6942  32.2770 0012540  81.1724 279.0880 14.28881167 42044
DO-17
1 20440U 90  5  E 90315.14668732  .00000436  00000-0  18840-3 0  1730
2 20440  98.6939  30.9623 0012801  85.0628 275.2020 14.28935403 41855
WO-18
1 20441U 90  5  F 90317.43705645  .00000439  00000-0  18972-3 0  1740
2 20441  98.6937  33.2808 0013312  79.8572 280.4117 14.29021291 42186
LO-19
1 20442U 90  5  G 90313.43195236  .00000410  00000-0  17769-3 0  1748
2 20442  98.6931  29.3216 0013556  89.4544 270.8179 14.29088225 41614
GPS BII-06
1 20452U 90  8  A 90231.96552739  .00000002  00000-0  99999-4 0   858
2 20452  54.5203 253.3822 0028572  40.8909 319.3724  2.00872044  4126
MOS-1B
1 20478U 90 13  A 90312.63791638  .00000539  00000-0  42698-3 0  4716
2 20478  99.1762  22.1485 0001048  62.9032 297.3429 13.94834801 38271
DEBUT
1 20479U 90 13  B 90311.55482641  .00000030  00000-0  96772-4 0  1714
2 20479  99.0257 330.9094 0541485  83.7638 282.4833 12.83163935 35139
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1 20480U 90013  C 90303.06327125 -.00000174  00000-0  00000-0 0 01106
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2 20480 099.0264 324.0362 0541462 103.0319 296.6607 12.83161632034045
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2 20491  99.0275 338.6365 0471413  55.2498 309.2060 13.02778763 35076
LACE
1 20496U 90 15  A 90312.46496225  .00007498  00000-0  43389-3 0  3294
2 20496  43.0958 249.0565 0015993 178.8293 181.2598 15.12545803 40437
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1 20497U 90 15  B 90312.62568674  .00012306  00000-0  30839-3 0  3752
2 20497  43.1059 190.3306 0018899 215.3162 144.6728 15.39841274 41071
Nadezhda 2
1 20508U 90 17  A 90306.52156307  .00000097  00000-0  97626-4 0  2217
2 20508  82.9526 317.9137 0043781 323.1680  36.6458 13.73243084 33997
OKEAN 2
1 20510U 90 18  A 90312.09968196  .00000926  00000-0  13831-3 0  3720
2 20510  82.5245 325.1448 0020179 162.2293 197.9226 14.73707935 37267
INTELSAT-6
1 20523U 90 21  A 90312.93948254  .00004134  00000-0  28521-3 0  3754
2 20523  28.3427  34.7847 0015640 294.0131  65.9912 15.03141297 36249
GPS BII-07
1 20533U 90 25  A 90294.05687607 -.00000033  00000-0  00000 0 0   630
2 20533  55.1450  10.8449 0034235 102.6965 257.7562  2.00556242  4124
PegSat
1 20546U 90 28  A 90320.36671610  .00009311  00000-0  54504-3 0  3359
2 20546  94.1247 296.0611 0146055 143.0008 218.1203 15.03222873 32924
HST
1 20580U 90 37  B 90312.61189795  .00004882  00000-0  53771-3 0  3278
2 20580  28.4715  50.1860 0006172 184.0423 176.0412 14.85441208 29461
Glonass 44
1 20619U 90 45  A 90312.22780464 -.00000017  00000-0  99999-4 0  2748
2 20619  64.9706  34.0211 0024044 213.0871 146.8032  2.13103149  3695
Glonass 45
1 20620U 90 45  B 90312.34566504 -.00000017  00000-0  99999-4 0  2773
2 20620  64.9690  34.0116 0005837  39.4177 320.6651  2.13102920  3708
Glonass 46
1 20621U 90 45  C 90311.93495244 -.00000017  00000-0  99999-4 0  2264
2 20621  64.9804  34.0372 0014413 203.6502 156.3293  2.13102579  3691
Kristall
1 20635U 90 48  A 90312.46154918  .00053477  00000-0  65387-3 0  2777
2 20635  51.6114 323.7930 0030157 230.8031 128.9329 15.59318395 25174
ROSAT
1 20638U 90 49  A 90313.02337551  .00001897  00000-0  17762-3 0  1244
2 20638  52.9872 127.4130 0015699  60.7876 299.4697 14.98703405 23996
Meteor 2-19
1 20670U 90 57  A 90307.04575456  .00000229  00000-0  19684-3 0  1212
2 20670  82.5504 178.4517 0014597 260.3393  99.6097 13.83874334 17727
BADR-1
1 20685U 90 59  A 90313.00540081  .00570420 -31889-4  54496-3 0  1780
2 20685  28.4873 240.1860 0273713 323.0758  35.3074 15.65600162 17683
CRRES
1 20712U 90 65  A 90303.38280985  .00000725  00000-0  93254-3 0   722
2 20712  18.2079   7.7719 7118602 272.9853  14.9566  2.43509942  2363
Soyuz TM-10
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1 20722U 90 67  A 90312.52563483  .00053416  00000-0  65387-3 0  1775
2 20722  51.6120 323.4675 0029578 230.6940 129.0180 15.59309106 15483
GPS BII-08
1 20724U 90 68  A 90294.90287514  .00000016  00000-0  99999-4 0   210
2 20724  54.6613 191.1540 0095547 118.2276 242.8347  2.00563041  1585
Feng Yun1-2
1 20788U 90 81  A 90312.59620739  .00000277  00000-0  20986-3 0   725
2 20788  98.9351 345.8083 0010873  80.5839 279.6299 14.00566807  9320
Progress M5
1 20824U 90 85  A 90312.46155968  .00048753  00000-0  59634-3 0  1277
2 20824  51.6146 323.7916 0030864 230.5355 129.2700 15.59319308  6568
Meteor 2-20
1 20826U 90 86  A 90307.03366330  .00000097  00000-0  83687-4 0   717
2 20826  82.5257 117.7520 0012779 148.8067 211.3853 13.83234528  4941
GPS BII-09
1 20830U 90 88  A 90304.91253604  .00000014  00000-0  99999-4 0   146
2 20830  54.8955 133.1703 0078817 116.3747 244.5072  2.00565939   866
1978 100AX
1 20834U 78100 AX 90312.46865052  .00007766  00000-0  23174-2 0   776
2 20834  82.5567 129.8867 1165114 352.1703   6.2420 12.63753354 12807
1990 081AL
1 20876U          90318.05030719 0.00002261           13793-2 0   759
2 20876  98.9357 351.4694 0026363 313.2656  46.6385 14.06691587 10105
1990 081AM
1 20877U          90317.60039093 0.00002384           14886-2 0   800
2 20877  98.9249 351.0709 0045913  53.4261 307.1222 14.05013919  5482
1990 081AN
1 20878U          90317.52320624 0.00001176           77884-3 0   722
2 20878  98.9227 350.8174 0042643  67.2248 293.3439 14.02657032  5468
1990 081AP
1 20879U          90314.03385366 0.00001745           16023-2 0   785
2 20879  98.9695 345.5787 0127485 139.2537 221.8164 13.80302024  4898
1990 081AQ
1 20880U          90318.07164838 0.00009437           28300-2 0   882
2 20880  98.9299 353.4732 0156072 335.5902  23.8259 14.36135936  5679
1990 081AR
1 20881U          90318.03680737 0.00001731           10982-2 0   774
2 20881  98.9682 350.7900 0107719  70.8348 290.4615 14.02177000  5534
1990 081AS
1 20882U          90317.59505278 0.00004880           26087-2 0   817
2 20882  98.9331 351.4384 0052301 359.2064   0.9215 14.12866199  5518
1990 081AT
1 20883U          90316.56719455 0.00001889           12212-2 0   785
2 20883  98.9398 349.7701 0019429  43.8567 316.4140 14.03707147  5332
1990 081AU
1 20884U          90317.08273630 0.00001885           14657-2 0   752
2 20884  98.9219 349.7970 0045179 146.8423 213.5638 13.92914987  5360
1990 081AV
1 20885U          90313.56974081 0.00000322           29756-3 0   741
2 20885  98.9250 346.0428 0069240 173.9300 186.2704 13.86965799  4857
1990 081AW
1 20886U          90315.54043396 0.00000466           64530-3 0   735
2 20886  98.9936 344.8824 0257721 165.7107 195.1505 13.48954988  4957
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1990 081AX
1 20887U          90318.10693723 0.00001721           10443-2 0   778
2 20887  98.9336 351.5744 0031138  15.5592 344.6632 14.07183099  5529
1990 081AY
1 20888U          90317.58720923 0.00004814           34406-2 0   819
2 20888  98.9249 349.1963 0324536 236.2920 120.7091 13.75303852  5373
1990 081AZ
1 20889U          90313.58847090 0.00000905           78289-3 0   748
2 20889  98.9341 345.9193 0096624 218.6023 140.8163 13.86250365  4822
1990 081BA
1 20890U          90317.53830488 0.00000231           17328-3 0   729
2 20890  98.9249 350.7773 0014985  65.5139 294.7662 14.02068424  5428
1990 081BB
1 20891U          90315.54584721 0.00000506           61506-3 0   749
2 20891  99.0055 345.3580 0225219 149.3902 212.0608 13.59392488  4990
1990 081BC
1 20892U          90313.57887690 0.00001464           16572-2 0   760
2 20892  98.9594 344.3677 0188803 200.0738 159.2841 13.64227343  4705
1990 081BD
1 20893U          90318.08181398 0.00003968           25678-2 0   773
2 20893  98.9333 351.2509 0005658  21.7747 338.3732 14.03180528  5473
1990 081BE
1 20894U          90316.03741205 0.00001337           81329-3 0   770
2 20894  98.9367 349.5109 0027899 344.8996  15.1304 14.07438707  5174
1990 081BF
1 20895U          90318.03035101 0.00003076           17546-2 0   764
2 20895  98.9447 351.5892 0038249 355.1388   4.9938 14.09934127  5467
1990 081BG
1 20896U          90317.05596735 0.00011390           64975-2 0   790
2 20896  98.9414 350.7042 0031151 349.7648  10.3862 14.09496868  5319
1990 081BH
1 20897U          90318.04211666 0.00022176           59045-2 0   840
2 20897  98.9144 353.7360 0171752 343.3896  16.2152 14.40066290  5575
1990 081BJ
1 20898U          90318.03760920 0.00002684           13847-2 0   754
2 20898  98.9341 352.1111 0068555 305.7344  53.7890 14.14644301  5489
1990 081BK
1 20899U          90318.07653628 0.00002304           16351-2 0   803
2 20899  98.9433 350.9438 0016143 184.9286 175.1917 13.98323608  5426
1990 081BL
1 20900U          90318.00084439 0.00002954           25137-2 0   765
2 20900  98.9009 350.4378 0089384 131.7662 229.1308 13.86037958  5365
1990 081BM
1 20901U          90318.02546859 0.00004516           21790-2 0   797
2 20901  98.9271 352.2205 0074493 326.1746  33.5243 14.17627609  5496
1990 081BN
1 20902U 90081 BN 90313.04229878  .00001028  00000-0  95187-3 0   756
2 20902  98.9479 344.9788 0092565 184.8649 175.1555 13.82185805  4667
1990 081BP
1 20903U          90317.09457622 0.00001315           67992-3 0   759
2 20903  98.9114 351.3241 0066287 354.3173   5.7259 14.15416527  5315
1990 081BQ
1 20904U          90317.55140365 0.00002352           14925-2 0   786
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2 20904  98.9380 350.7999 0042297 267.6230  92.0149 14.04219139  5336
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1 20905U          90318.06879769 0.00004082           26191-2 0   781
2 20905  98.9356 351.3462 0009559 295.4334  64.6188 14.03645670  5554
1990 081BS
1 20906U          90313.05618795 0.00000200           21789-3 0   727
2 20906  98.9482 344.8056 0108805 182.1196 177.9493 13.78767765  4257
1990 081BT
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2 20907  98.9315 350.9043 0019466 359.4049   0.7297 14.06016207  4847
1990 081BV
1 20912U          90317.63135829 0.00002163           13281-2 0   754
2 20912  98.9380 350.9909 0021777 350.7562   9.3288 14.06404674  3953
1990 081BW
1 20913U 90 81 BW 90308.02662158  .00001174  00000-0  78077-3 0   720
2 20913  98.9703 340.8547 0115285 103.6762 257.7265 13.99752048  3253
1990 081BX
1 20914U          90317.03851323 0.00010650           19377-2 0   835
2 20914  98.9466 353.2507 0226711 337.2096  21.9364 14.50972307  4641
1990 081BY
1 20915U          90318.08282096 0.00001469           83767-3 0   762
2 20915  98.9229 351.8337 0045332 356.5463   3.5986 14.10500920  5117
1990 081BZ
1 20916U          90317.07030926 0.00337224           17839+0 0   816
2 20916  99.0669 350.9276 0086846 251.8011 107.0905 14.09005702  3240
INMARSAT2F1
1 20918U          90314.58968621 0.00000180           10000-3 0   760
2 20918   2.5783 290.6884 0063078  16.5395 344.5089  1.00339122   146
1990 093B
1 20919U          90317.79071759 0.00015471           80918-3 0   791
2 20919  24.7591 115.4945 0555666 290.1341  64.0248 14.34852707  1997
1990 093C
1 20920U          90315.87065041 0.00037850           40629-2 0   831
2 20920  23.3186 202.6512 7335991 180.1689 179.3148  2.23390734   271
GORIZONT 21
1 20923U          90317.35526239 -.00000207           10000-3 0   153
2 20923   1.4267 270.1133 0003619 324.4574  35.1716  1.00302188   111
1990 094D
1 20926U          90317.29715818 -.00000283           10000-3 0    55
2 20926   1.4420 270.3459 0034591 342.9013  16.8848  1.00864738   110
1990 094E
1 20927U          90315.13833535 0.00002150           24037-2 0    96
2 20927  47.3654 269.7862 7252582   2.0140 359.6364  2.27460557   205
1990 094F
1 20928U          90314.24801039 0.00004604           21820-2 0    84
2 20928  47.3172 270.0145 7271729   1.7851 359.6809  2.27867678   185
1990 095B
1 20930U          90317.43847291 0.11860794 -37081-4  30022-3 0    50
2 20930  28.6214 241.1055 0010033 115.1713 245.0142 16.45489859    77
STS 38
1 20935U 90 97  A 90320.40850694  .00161290  68898-5  25599-3 0    47
2 20935  28.4646 240.6373 0006560 286.7334  43.3613 16.02355418    67
--
```

Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

From 158219978527454562
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,271c4b66176c765b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-17 12:13:42 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins: Space Shuttle
Message-ID: <9011172013.AA04199@blackbird.afit.af.mil>
Date: 17 Nov 90 20:13:42 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Sat Nov 17 21:13:42 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current elements for the current shuttle mission are provided below. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
STS 38
1 20935U 90 97  A 90320.40850694  .00161290  68898-5  25599-3 0    47
2 20935  28.4646 240.6373 0006560 286.7334  43.3613 16.02355418    67
```

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

From -339989412457948397
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f67a5452862d8cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-17 12:18:45 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!usc!zaphod.mps.ohio-state.edu!van-bc!ubc-cs!uw-beaver!sumax!amc-gw!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: DSPer's Work Bench ?
Message-ID: <540@ssc.UUCP>
Date: 17 Nov 90 20:18:45 GMT
References: <7880353@hpfcdc.HP.COM> <22628@ucsd.Edu> <593@chiton.ucsd.edu>
Organization: SSC, Inc., Seattle, WA
Lines: 13
Posted: Sat Nov 17 21:18:45 1990

In article <593@chiton.ucsd.edu>, rec@chiton.ucsd.edu (Richard Currier) writes:
> A good book on the math behind what Brian has described is "Signals and
> Systems", by Oppenheim and Willsky. Prentice Hall. If you really want your
> mind bent "Digital Signal Processing", by Oppenheim and Schafer, Prentice
> Hall, has been the basic text for the past decade.

I recommend Oppenheimer and Schafer's new book, "Discrete-Time Signal
Processing". It's clear enough that you can cookbook stuff out of
it, with some real info (like signal to noise ratios from roundoff)
that I hadn't found in older books.
Prentice Hall, 1989

markz@ssc.uucp

From 3645050305135898553
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b17b6999aebf8bc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-17 17:20:23 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: FINAL WARNING
Message-ID: <9011180120.AA07520@cmr.ncsl.nist.gov>
Date: 18 Nov 90 01:20:23 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 9
Posted: Sun Nov 18 02:20:23 1990

Subject: FINAL WARNING
To: ALL RADIO AMATEURS
>From: Robert J. Carpenter, W3OTC

On or about Monday, 19 November 1990, I shall begin transmitting on the
50 MHz band from the island of Guadeloupe as FG/W3OTC. I expect to continue to operate in the general vicinity of 50.110 MHz until the evening
of 1 December, 1990, unless the lure of the beach should overcome me.

From -4493807357061544172
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c3bed47d5341f80
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-17 19:17:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!bu.edu!att!cbnewse!parnass
From: parnass@cbnewse.att.com (Bob Parnass, AJ9S)
Newsgroups: rec.ham-radio

Subject: Re: Is my IC-745 Doomed?
Summary: ARRL tried to alert members in 1985 by publishing my warning.
Message-ID: <1990Nov18.031751.14958@cbnewse.att.com>
Date: 18 Nov 90 03:17:51 GMT
References: <706@npdiss1.StPaul.NCR.COM> <410007@hpqmole.sqf.hp.com>
Organization: AT&T Bell Laboratories, Naperville, IL
Lines: 58
Posted: Sun Nov 18 04:17:51 1990

In article <410007@hpqmole.sqf.hp.com>, dstock@hpqmole.sqf.hp.com (David Stockton) writes:

> I seem to recall a piece in QST, perhaps 1985-1986 about a bloke with an R71 RX. He had dismantled the set ... caused the battery backed RAM to be cleared. I believe he said that reprogramming could not be done in the US - it had to be returned to J-land....

I was the guy who published that note in the 1985 QST, although I posted this on USENET first:

LOSS OF ICOM BACKUP BATTERY FORCES REPROGRAMMING OF RAM

A friend from Wheaton (MD) asked me to post this warning:

If you own an ICOM R71, 751, 271, or 471, don't disconnect the lithium battery on the memory board!

All these models use a common $17 memory plug-in board which contains 2 IC's (one a Japanese 2114 RAM) and a lithium battery.

This fellow wanted to experiment with the memory circuit, so he disconnected the battery in order to install a socket for the RAM.

His radio didn't work when he reconnected everything, and a call to ICOM confirmed that the RAM contains the microcode which gives each model radio its own personality. His board is on its way back to ICOM for reprogramming, which can't be done at the dealer's.

For ICOM owners, this means that when the lithium battery runs down (7 year life), the memory board must be sent in for reprogramming.

....

This fellow is contemplating using his home computer, which uses 2114s to determine the contents of the ICOM RAM, and is looking for other suggestions. It would be useful to modify the contents of the RAM to permit out of band reception.

> No reviews seem to have covered this matter..
> .... The ARRL and RSGB etc presumably will not risk
> their advertising revenue.

Don't sell the ARRL short. It was Gerald Hall, Associate Technical
Editor of QST, who sought my permission to reprint this information
in QST to warn others.

In his March 28, 1985 letter to me, Hall said "We feel an obligation
to make ARRL members aware of this situation, and one of the best
ways would be to publish your bulletin .... [in] QST."

```
--
============================================================================
Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihlpy!parnass (708)979-5414
```

```
From -1866318920991908 96
```

```
From -186631892099190896
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a8d14d39c39a7966
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-17 19:38:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!pilot.njin.net!rutgers!att!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1908@n8emr.UUCP>
Date: 18 Nov 90 03:38:21 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 35
Posted: Sun Nov 18 04:38:21 1990
```

```
From n8emr!KB8NW Sat Nov 17 20:34:24 1990
Return-Path: <n8emr!KB8NW>
Message-Id: <m0iaZFL-0000GuC@n8emr.uucp>
[Date: Sat, 17 Nov 90 15:38 EST
[To: <ALL@ARRL>
R:901117/2021z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:12724 Z:43232
R:901117/1946 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:51653 Z:43103
R:901117/1903 @:WB8JIB.#DAY.OH.USA.NA Yellow Springs #:61477 Z:45387
R:901117/1847 @:NC8Q.#DAY.OH.USA.NA Dayton #:12270 Z:45419
R:901117/1804 @:W8BI.#DAY.OH.USA.NA Dayton #:20841 Z:45424
R:901117/1659z @:N8LJX.#DAY.OH.USA.NA Sidney #:7469 O:KB8NW
R:901117/1529 @:KD8JR.#NWOH.OH.USA.NA Continental #:3858 Z:45831
R:901117/1109 @:N8ET.OH.USA.NA Findlay, OH #:8643 Z:45840
R:901117/0213 @:W8WE.OH.USA.NA Mansfield, OH #:25091 Z:44902
```

QST DE W1AW
ARRL BULLETIN 46 ARLB046
FROM ARRL HEADQUARTERS NEWINGTON CT
NOVEMBER 17, 1990
RELAYED BY KB8NW/OBS & BARF-80 BBS

TO ALL RADIO AMATEURS

The FCC has released a Notice of Proposed Rulemaking in PR Docket 90-561, proposing minor technical amendments to Part 97 of its Rules that had been requested by ARRL. Other amendments requested by ARRL and three individual petitioners were denied.

ARRL had requested a number of amendments to clean up minor problems arising from the Part 97 rewrite adopted last year. FCC is proposing to adopt new definitions for Bandwidth, Space Telemetry, Telecommand, and Telemetry, minor changes in rules governing telemetry and telecommand, and other clarifications.

The comment deadline is January 31, 1991, with reply comments due March 4, 1991. More information will appear in January QST.

```
From -5256342338763215686
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a8d14d39c39a7966
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-17 19:38:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!
pacbell.com!att!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1909@n8emr.UUCP>
Date: 18 Nov 90 03:38:39 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 28
Posted: Sun Nov 18 04:38:39 1990
```

```
Return-Path: <n8emr!KB8NW>
Message-Id: <m0iaZBl-0000MeC@n8emr.uucp>
[Date: Sat, 17 Nov 90 15:38 EST
[To: <ALL@ARRL>
R:901117/2022z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:12726 Z:43232
R:901117/1951 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:51656 Z:43103
R:901117/1904 @:WB8JIB.#DAY.OH.USA.NA Yellow Springs #:61479 Z:45387
R:901117/1848 @:NC8Q.#DAY.OH.USA.NA Dayton #:12273 Z:45419
R:901117/1830 @:W8BI.#DAY.OH.USA.NA Dayton #:20844 Z:45424
R:901117/1702z @:N8LJX.#DAY.OH.USA.NA Sidney #:7470 O:KB8NW
R:901117/1527 @:KD8JR.#NWOH.OH.USA.NA Continental #:3857 Z:45831
R:901117/1106 @:N8ET.OH.USA.NA Findlay, OH #:8642 Z:45840
R:901117/0211 @:W8WE.OH.USA.NA Mansfield, OH #:25090 Z:44902
```

QST DE W1AW
ARRL BULLETIN 47 ARLB047
FROM ARRL HEADQUARTERS NEWINGTON CT
NOVEMBER 17, 1990
RELAYED BY KB8NW/OBS & BARF-80 BBS

TO ALL RADIO AMATEURS

On November 16, the US Court of Appeals for the District of Columbia Circuit heard oral argument in ARRL vs FCC, the ARRL petition for judicial review of the FCC decision to reallocate 220 to 222 MHz to the land mobile service. Attorneys for the ARRL and the FCC presented their arguments and were questioned by the panel of three judges that will decide the case. The decision of the Court is expected in a few weeks.

From 6816956853237006841
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c2d3c3cf166877d3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,c2d3c3cf166877d3,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,c2d3c3cf166877d3,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,c2d3c3cf166877d3,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-11-17 20:06:10 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!mit-eddie!wuarchive!usc!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!news.cs.indiana.edu!news.nd.edu!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Returned e-mail
Message-ID: <499.2745C367@w8grt.fidonet.org>
Date: 18 Nov 90 04:06:10 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 13
Xref: gmdzi rec.radio.shortwave:2741 rec.ham-radio.swap:799 rec.ham-radio.packet:3064 rec.ham-radio:16973
Posted: Sun Nov 18 05:06:10 1990

Sorry, menschen.

Duane, your e-mail from the "Microwave RF" maillist is bouncing. Please correct your address. Thanks.

duanem@tekfdi.FDI.TEK

We return you now to your regular newsgroup. Film at eleven.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 145969877248462337

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4bf9519ba6b3424f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-17 21:42:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!
dimacs.rutgers.edu!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: The UN-NET was busy today!
Summary: Yes, it was indeed...
Message-ID: <4329@lib.tmc.edu>
Date: 18 Nov 90 05:42:41 GMT
References: <5453@qip.UUCP>
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 28
Posted: Sun Nov 18 06:42:41 1990
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <5453@qip.UUCP> john@anasaz.uucp (John Moore) writes:
>Well - we had quite a turnout on the Un-Net today! I logged:
>  W5RRRR/K5ZC - Jay
     ^^^^
Keyboard stutter, John? :-)

>We discussed what to do about the endless debates (code-nocode,
>out of band mods, HT's on airplanes, etc).

...I'll post a proposal in that regard in a few minutes...

>In general, a good time was had by all, even though there was a lot
>of QRM and variable propagation.

I'll certainly second that sentiment...

>Join us on Saturdays, 1700Z... on 28390-28410 (this time we we at 28390.30)!

Actually, the TS-950 I was using (that Kenwood graciously donated to the
Johnson Space Center ARC [gotta get that plug in!]) claimed we were at
28390.29. Nyah. :-)

I'll see what the IC-781 (that Icom graciously donated :-) says next week...

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu  | adequately be explained by stupidity.
         "With design like this, who needs bugs?" - Boyd Roberts


From -8522760233647727100
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3309c605775fb4d1,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1990-11-17 22:09:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!dimacs.rutgers.edu!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Preliminary call for discussion: rec.ham-radio.legal
Message-ID: <4330@lib.tmc.edu>
Date: 18 Nov 90 06:09:22 GMT
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 28
Posted: Sun Nov 18 07:09:22 1990
Nntp-Posting-Host: thesis1.hsch.utexas.edu
Originator: jmaynard@

As John Moore, NJ7E, mentioned in his message about the Usenet Un-net today, we discussed possible solutions to the continuing flame wars in this group. I mentioned that I thought that a new group would do it, and nobody thought it was a bad idea, so...

This is a preliminary call for discussion for a new group, to be called rec.ham-radio.legal. The intent is that all discussions about the myriad legalities surrounding ham radio (pizza on the autopatch, out-of-band radio mods, code/no-code, ad nauseam) be moved off there, while rec.ham-radio would continue to carry the more general stuff.

The rationale for .legal is simple: by far and away, the majority of the subjects of flamage in the group are about legal issues and interpretation of the rules and regulations, or proposed changes to the rules and regulations, governing the amateur service. This avoids the narrow focus of the previous call for rec.ham-radio.licensing a year or so ago.

If no serious objections arise in the next week, I intend to start a formal Call for Discussion in news.groups in a week or so. Let's kick it around, and see if we can reach a consensus. I'd like to see a finished proposal ready to go before the news.groupies have a chance to flame it, and hashing out the issues here will improve the group's chance for success.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu  | adequately be explained by stupidity.
         "With design like this, who needs bugs?" - Boyd Roberts
```

From 4550935759036873291
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,13313fbdc3718c69
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,13313fbdc3718c69
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-11-17 23:31:06 PST
Path: gmdzi!unido!mcsun!uunet!ddi1!lrark!rick

From: rick@lrark.UUCP (Rick Mobley)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: Packet Test - Volunteers wanted
Summary: How about Arkansas
Keywords: Salt Lake, Denver, Kansas City, St. Louis, Chicago, Nashville
Message-ID: <577@lrark.UUCP>
Date: 18 Nov 90 07:31:06 GMT
References: <538@ssc.UUCP>
Reply-To: rick@lrark.UUCP (Rick Mobley)
Organization: LRTUG - Little Rock Tech User Group - Little Rock, Arkansas.
Lines: 34
Xref: gmdzi rec.ham-radio:16952 rec.ham-radio.packet:3061
Posted: Sun Nov 18 08:31:06 1990

In article <538@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:

> Do you have access to both Usenet and your local VHF packet BBS?

Yes, both.

> Can you help me with a little experiment?

Sure.

> I need several packet stations who can do a couple of tests for me,
> which involve listing some bulletins off of their local VHF packet BBS,
> and then e-mailing the listings to me on Usenet. This is just a short
> term experiment, and quite easy.
>
> I need folks in several areas across the MIDDLE of the USA, like in
> Salt Lake City, Denver, Kansas City, St. Louis, and possibly Chicago,
> Atlanta, Nashville and New Orleans.

Arkansas falls in the area you described.

> If you think you can help, contact me and let me tell you what I
> need.

Contact me at the bang path below. Still waiting on the maps to get
caught up with me.

73

```
--
rick@lrark.UUCP       *    bang path --> uunet!ddi1!lrark!rick    *
Ricky Mobley          *          LRTUG (501) 224-9454             *
1800 Sanford Dr. #4   *    GEnie Unix RT SysOp address LRARK      *
Little Rock, AR 72207 *     WB5FDP.AR.USA.NA wb5fdp.ampr.org      *
```

From 3816633870544717365
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5b0f8e04cbf6d5c7,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-18 00:28:30 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!agate!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: POTENTIAL MAJOR FLARE WARNING
Message-ID: <901118012830.20401ce1@HG.ULeth.CA>
Date: 18 Nov 90 08:28:30 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 59
Posted: Sun Nov 18 09:28:30 1990

/\

POTENTIAL MAJOR FLARE WARNING

ATTENTION ATTENTION

/\

12:00 UT, November 18

ATTENTION:

A massive sunspot group has developed and is currently located at approximately N19E19 as of 12:00 UT, 18 November. This sunspot group has the potential to produce a major class M or X flare. It consists of 78 spots clustered within a Beta-Gamma-Delta magnetic configuration, covering an area of 9,000 million square kilometers (5,600 million square miles)! This Region (6368) is currently a type FKI optical region and has produced three class M flares over the past 24 hours.

THIS REGION HAS THE POTENTIAL TO PRODUCE MAJOR ACTIVITY.

The Space Environment Services Center estimates a 25% to 35% probability of a major class X flare occurring from this region over the next 72 hours. There is an estimated 80% probability of moderate-level M-class flare activity occurring from this region over the next three days (minimum). There is a 15% to 25% probability of a major proton flare erupting from this region over the next 72 hours. The Space Environment Services Center has issued a condition YELLOW alert status for potential PCA and satellite-level proton events for the next 24 to 72 hours at least. The risk for strong PCA and proton event activity will increase as this region moves towards the western solar hemisphere.

Region 6368 has grown in size and complexity over the past 24 hours. Two delta-configurations have developed in the trailer spot complex of this system over the past 24 hours. This region has the potential to produce some potent activity.

There is a strong potential that a moderate to high intensity SID (Sudden Ionospheric Disturbance) accompanied with a moderate to high intensity SWF (Short Wave Fade) may occur as a result of major flare activity over the next 2 to 5 days on the sunlit hemisphere of the earth. SID and SWF durations could exceed 80 to 120 minutes. Polar regions are at risk for strong PCA activity over the next 2 to 5 days, depending on further developement of Region 6368. Users of polar ionospheric properties (ie. radio operators, researchers, etc.) should be on the alert for potential PCA activity. Satellite users should be on the alert for potential proton events and associated potential satellite disruptions.

Region 6368 might not produce any major flare activity. However, the evidence would seem to indicate otherwise, considering the size, magnetic complexity, and spot density of this major system. Should a major flare occur, a major flare alert will be issued with details concerning the event.

/\

From 918399413392388055
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f8a84ca6504b9aa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-18 01:55:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!pilot.njin.net!rutgers!usc!elroy.jpl.nasa.gov!ncar!midway!ellis.uchicago.edu!gary
From: gary@ellis.uchicago.edu (gary buchholz)
Newsgroups: rec.ham-radio
Subject: UnNet/ Drop in ICOM 24AT price/ New AES catalogs/ 24AT antenna problem
Message-ID: <1990Nov18.095501.5448@midway.uchicago.edu>
Date: 18 Nov 90 09:55:01 GMT
Sender: news@midway.uchicago.edu (News Administrator)
Organization: University of Chicago
Lines: 109
Posted: Sun Nov 18 10:55:01 1990

(** Late note - Other people beat me to this un-Net log .. but I did copy QTH and a few other "popin" participants)

Usenet UnNet ....

Pretty successful net this week... but were we plagued by some propagation problems. We had about 12 sign-ins on the 29.390 freq. But, not everyone could hear everyone else. I think John (NJ7E) running power and running a beam was the only one who could hear everyone else and also be heard. So, he became our net control for the first hour. (And, also had the additional burden of "summarizng" things during the rotation so we could all know what was being said.)

Not to waste the beautiful day in Chicago (sunny & 60 deg) - not a common thing these days... I went mobile with my TS-440 & Hustler Vertical. To the best of my driving/writing/talking ability... (and now that I got that disclaimer out of the way) here's what I copied for sign-ins

NV3Z	Mike in Maryland
NJ7E	John ... Arizona
WA7LDV	Jim ... Oregon
K5ZC	Jay ... operating the W5RRR station in Texas (Johnson Space Center - I think ..)
N8EMR	Gary ... ?
KE9ZM	Gary ... me in Chicago, Ill
N4BYO	Jim ... Raleigh, North Carolina
N4YRJ	Peter .. Durham, North Carolina
WA1RHP	Tom ... MIT in Mass. running (if I caught this right.. an all solar-powered station)
N8IXR	???
N7JYC	???
N5KNX	???

I may have gotten this a bit wrong as propagation conditions were not the best. Also, a few non-UseNet people popped in to see what was going on.

Also, thanks to Jay in Texas for taking over as net control after John had to take off. I couldn't stay on for the entire net... but, I think we had a good turnout. Possibly other people signed-in in the second hour after I left.

Jay wrote...
> Actually, the TS-950 I was using (that Kenwood graciously donated to the
> Johnson Space Center ARC [gotta get that plug in!]) claimed we were at
> 28390.29. Nyah. :-)

My TS-440S didn't say 28390.00 either... but, the first call I heard was NV3Z (Mike) and I tuned in on him and then John and the rest came in. So, we were off freq.. a bit.

So much for that...
... Drop in ICOM 24AT price.

Here's some real news.. and some may already know. I have it on excellent authority that the price of the ICOM 24AT will drop by $50. So, if you've been waiting... here's your chance.

But, don't forget that the ICOM 24AT does NOT come with a PL tone unit(UT-51). Thats an optional $50. So, in essence, the price of the ICOM 24AT is now more in line with the other vendor models that include the tone unit as a standard feature.

AES "old" price is $549. (And throw in another $25 for the Larson Rubber Duck)

New Catalog from AES

The new Catalogs from AES will be in the mail this week. The "center-fold" is now new SONY products with Ten-Tec on the cover. Prices in the preliminary copy I saw were not up to date - the final version may have this corrected. For example, the ICOM-24AT did not show the price reduction. (Ham Radio Outlet solves this problem by not giving any prices... which I don't like at all).

Possible ICOM-24AT antenna jack problem...

This happended to me... don't let it happen to you. I do alot of antenna changing... I take my 24AT mobile, so I switch between by Smiley whip and a Coax on a daily basis.

If you find that you antenna jack has become loose in any way... tighten it immediately! The BNC connection is soldered to an "inflexible" tiny component inside the radio. So, continued twisting of the loose jack - even in small amounts.. will break the solder joint and/or the wire component lead. (Maybe mine was poorly soldered in the first place.. ?)

In any case, after I got this fixed, and, after I discovered that I just couldn't get the BNC connector tightened down good enough (What *IS* that thing that holds the BNC to the connection - whew !). I did the following.

Now, I'm sure everyone will cringe at this... but it *did* solve the problem of my loose BNC connector - (possibly forever!). I tightened the "ring" (really, what do you call that ?) and put a drop of Lock-Tight on it. So, if Lock-Tight will hold the various screws and nuts on my motorcycle at 13,000 RPM - I figure it will hold the "ring" on the BNC connector - and, it does.

Gary
--
Gary Buchholz / KE9ZM   Internet: gary@midway.uchicago.edu
University of Chicago   Packet: KE9ZM@WB9MJN
Academic and Public Computing
1155 East 60'th St., Chicago, Ill.   (312) 702-7611

```
From -6525673489118006940
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c2d3c3cf166877d3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,c2d3c3cf166877d3
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,c2d3c3cf166877d3
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,c2d3c3cf166877d3
```

X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-18 04:01:44 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!ousrvr!ousrvr!luru
From: luru@stekt2.oulu.fi (Ari Husa OH8NUP)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: Returned e-mail
Message-ID: <LURU.90Nov18130144@stekt2.oulu.fi>
Date: 18 Nov 90 12:01:44 GMT
References: <499.2745C367@w8grt.fidonet.org>
Sender: news@ousrvr.oulu.fi
Organization: The Buffalo Club
Lines: 11
Xref: gmdzi rec.radio.shortwave:2734 rec.ham-radio.swap:798 rec.ham-radio.packet:3059 rec.ham-radio:16945
Posted: Sun Nov 18 13:01:44 1990
In-reply-to: jim.grubs@w8grt.fidonet.org's message of 18 Nov 90 04:06:10 GM

In article <499.2745C367@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

> Duane, your e-mail from the "Microwave RF" maillist is bouncing. Please

How do you get on the list?

Luru

```
--
     ///
     o-o    Ham Radio Operators Do It In Higher Frequency
      o
```

From 7544972275372306005
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc7b47499e1e9695
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-18 09:00:42 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Mobile HF antennas
Message-ID: <1550@ke4zv.UUCP>
Date: 18 Nov 90 17:00:42 GMT
References: <22085@mvis1.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 21
Posted: Sun Nov 18 18:00:42 1990

In article <22085@mvis1.com> jkaidor@ (Jerome Kaidor) writes:

>   If I mount the antenna on _TOP_ of the bus, the whole mess will be
>way too high for internal parking structures, etc. Heck, it might even

>ding the bottoms of freeway overpasses. Sure would work well, though.
>How about mounting the antenna _HORIZONTALLY_ a few feet above the bus
>roof? Still bad for parking, but freeway overpasses would be okay...

Well, I remember a QSO I had with a mobile amateur late one night on 75 meters. He was running 550 watts into an endfed quarterwave antenna mounted horizontally one foot above the cargo box of his eighteen wheeler. He said it worked great. He sure had a nice signal. I don't know how effective a shortened antenna would be mounted close above the roof of your bus. I would tend to think that there would be large losses to the top of the vehicle similar to the losses you would experience with a bumper mounted short vertical. I seem to remember some articles in the ham press about an antenna called a Discontinuity Ring Radiator that might be just the ticket. This is basically a broken horizontal loop mounted very closely over a groundplane. As I recall, matching was fairly critical but efficiency was high.

Gary KE4ZV

From -1038631612531954153
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,41537301ed378939
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-18 09:19:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: 15 meter monobanders
Summary: where's the frequency?
Message-ID: <1551@ke4zv.UUCP>
Date: 18 Nov 90 17:19:19 GMT
References: <452.2743D5CF@w8grt.fidonet.org>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 16
Posted: Sun Nov 18 18:19:19 1990

In article <452.2743D5CF@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>
>I always liked the government/military method of frequency designation. They
>assigned frequencies on the basis of the channel center. Hence, for FSK, being
>assigned to 7709 khz meant your mark and space tones were space equidistant
>above and below 7709. Similarly, 4595 khz USB on a 3 khz wide channel called
>for placing the suppressed carrier down 1.5 khz or 4593.5 khz.

This method has a lot of merit. You can easily visualize where your tones will appear in the band and the math is simple. Hams use the method I described though because it allows them to read the named frequency directly off their tranceiver readout. If they care where their tones actually appear in the band they have to add the offset, but except near the edge of the band most don't really care about this.

Gary KE4ZV

From 9212715129144397401
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,323c4d0a92d7001e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-18 09:32:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Code/Nocode/Headcode/Koff/Koff
Message-ID: <1552@ke4zv.UUCP>
Date: 18 Nov 90 17:32:22 GMT
References: <401.273D6D08@w8grt.uucp> <5650004@hpcvaac.cv.hp.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 21
Posted: Sun Nov 18 18:32:22 1990

In article <5650004@hpcvaac.cv.hp.com> billn@hpcvaac.cv.hp.com (bill nelson) writes:
>jim.grubs@w8grt.uucp (Jim Grubs) / 12:11 pm Nov 11, 1990 / writes:
>>We are repeating ourselves on the code wars again. We are also totally off on
>>the "Code ain't hard, Father, it's my bother!" tangent, which is totally
>>irrelevant.
>
>Yeah! Also, why does so much of the chatter on UHF sound like CBrs using
>repeaters?
>
>Bill

Probably because the repeaters are being used for personal communications
between private individuals which was also the original charter of CB.
Of course the FCC screwed that one up by using a band with skip and
saddling the users with amptitude modulation and no repeaters. Add in too
many reruns of the movie "Convoy" and CB turned into a mess. Before
the pseudo-trucker craze, at the sunspot minimum, CB sounded very similar
to many of our VHF/UHF repeaters used by commuters. Except for the
autopatches and talking, beeping, tune playing, repeater controllers. :-(

Gary KE4ZV

From -264305214178359005
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3309c605775fb4d1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-18 11:35:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil

From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Preliminary call for discussion: rec.ham-radio.legal
Message-ID: <1990Nov18.193501.13516@ux1.cso.uiuc.edu>
Date: 18 Nov 90 19:35:01 GMT
References: <4330@lib.tmc.edu>
Organization: University of Illinois at Urbana
Lines: 13
Posted: Sun Nov 18 20:35:01 1990

jmaynard@thesis1.hsch.utexas.edu (Jay Maynard) writes:

>If no serious objections arise in the next week, I intend to start a formal
>Call for Discussion in news.groups in a week or so. Let's kick it around,
>and see if we can reach a consensus. I'd like to see a finished proposal
>ready to go before the news.groupies have a chance to flame it, and hashing
>out the issues here will improve the group's chance for success.

I'm all for it. But you'd expect that.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 4291365935746486965
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f8a84ca6504b9aa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-18 11:38:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: UnNet/ Drop in ICOM 24AT price/ New AES catalogs/ 24AT antenna problem
Message-ID: <1990Nov18.193833.14308@ux1.cso.uiuc.edu>
Date: 18 Nov 90 19:38:33 GMT
References: <1990Nov18.095501.5448@midway.uchicago.edu>
Organization: University of Illinois at Urbana
Lines: 16
Posted: Sun Nov 18 20:38:33 1990

gary@ellis.uchicago.edu (gary buchholz) writes:

>The new Catalogs from AES will be in the mail this week. The "center-fold"
>is now new SONY products with Ten-Tec on the cover. Prices in the preliminary
>copy I saw were not up to date - the final version may have this corrected. For
>example, the ICOM-24AT did not show the price reduction. (Ham Radio Outlet
>solves this problem by not giving any prices... which I don't like at all).

It's nice to be able to browse the catalog every now and then and think
about what you MIGHT buy if you had the money. Guess which catalog gets
picked up again when there IS some money. Guess where I just ordered an

IC-3220A from.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 7451383673465099857
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,354c9dcba1ce3e1d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-18 12:06:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: Impedance of 10'whip at 100 KHz
Message-ID: <46684@apple.Apple.COM>
Date: 18 Nov 90 20:06:54 GMT
References: <4196@radio.oakhill.UUCP> <4140023@hpnjld.HP.COM>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 73
Posted: Sun Nov 18 21:06:54 1990

eyg@hpnjld.HP.COM (Ed Gilbert) writes (re Chalie Thompson's question):

>I think you are both correct. The original question asked about the
>feed point impedance, not the radiation resistance. The feed point
>impedance will be the radiation resistance in series with a very
>large capacitive reactance. Thus the magnitude of the feed point
>impedance will be a high number because of the reactive component,
>even though the real part is small.

Whoops, Charlie, Ed (WA2SRQ) is right, of course. I completely forgot to look at the reactive term. It should have occured to me that the darn thing better start looking like an open circuit as you approach DC. Dumb!

Well, as penance (actually, more of curiosity), I search through some books to see if there are any tables that take you into the 0.001 lambda region. Kraus (2nd ed), for example, has a parametric plot on the R-X plane down to 0.2 lambda (1/2 dipole of 0.1 lambda). Wolff has precisely the same plot, but on Smith chart instead of cartesian (hmmm...). But I couldn't find anything else that would take me lower.

Well, I don't have NEC (nor miniNEC), so I decided to start at the 1st-order Hallen equations and did some numerical integration. I found a large variation on the diameter of the wire you use -- so, here is a list that may be useful (again, values are for a 6m dipole; half the reactance for a 3m monopole):

        6m dipole at 100 kHz

Element radius (cm)	Reactance(kOhms)
0.1	-110
0.3	-89
0.5	-80
0.7	-73
0.9	-69

(Eeek, -100 kOhms at 100 kHz is about 15 pF - bletch! you won't believe the size of the inductance you will need to tune this sucker out - start looking for a couple of surplus "88 mH toroids" :-) Two of them might just do it :-) :-).

I don't really know how good these numbers are, since it was a quick C hack that I did in the middle of the night. It wasn't a complete waste of time; 20m was pretty dead by then anyway, except for W6YX blasting my speaker with "CQ SS" and having to repeat "28 Santa Clara" because no one believed 'YX has been around for that long. :-)

The increase in the magnitude of the reactance as you make the elements thinner seems to make sense. I.e., capaciatance increases as you make the elements fatter.

Anyway, the numbers I get for the region from 0.2 lambda to 1 lambda agree well with the figure in Kraus, so maybe they are OK. For the integration, I chopped the dipole into about 80 pieces (not so bad on a MacCX; and only took a few seconds on the MacCI when I ran it here at work).

Another thing that I discovered while playing with the integrals: making the assumption that an elemental dipole models a small dipole is *not* that good. You can be off by up to a factor of 4. The reason for that is because elemental dipoles assume a constant current through the entire element, whereas even a small dipole will necessarily have the current at the tips of the dipole be at zero. Good ole' boundary conditions :-)

Now, QSY back to pizza wars.

73,

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From -2031638024639032127
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2fc7c38e8fdf60a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-18 12:13:34 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!ubc-cs!van-bc!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!husc6!m2c!umvlsi!umaecs!scott
From: scott@ecs.umass.edu

Newsgroups: rec.ham-radio
Subject: Re: Preliminary call for discussion: rec.ham-radio legal
Message-ID: <11470.2746eb6e@ecs.umass.edu>
Date: 18 Nov 90 20:13:34 GMT
Lines: 11
Posted: Sun Nov 18 21:13:34 1990

I would like to see some specific reasons for the establishment of yet another ham group. Proponents should take advantage of the opportunity to lay out all their reasons for such. I get the feeling that some folks are outraged by any sort of controversy - they call it "flaming". Everything that is not milky bland or highly technical or supportive of the (genuflect) ARRL is to be shunned by the enlightened - right?
Come on folks, let's not become too stultified. Sure, the code-no code discussion seems unending. So what? I would really prefer to exclude all the mentalities that are horrified ("bored") by controversy. Reasoned arguments are the spice of life. Even the Russians are able to disagree now without being sent to Siberia!

From 3308931173169462654
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f99caad30e86f397,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-18 12:15:29 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
cs.utexas.edu!uwm.edu!carroll1!plonka
From: plonka@carroll1.cc.edu (Dave Plonka)
Newsgroups: rec.ham-radio
Subject: need info/Yaesu MiniCAT interface
Message-ID: <2143@carroll1.cc.edu>
Date: 18 Nov 90 20:15:29 GMT
Reply-To: plonka@carroll1.cc.edu (Dave Plonka)
Organization: Carroll College-Waukesha, WI
Lines: 24
Posted: Sun Nov 18 21:15:29 1990

I'm looking for information on Yaesu's miniCAT (Computer-Assisted Tuning) connector on my 727R HT. In the past I've heard that this info is difficult to come by... I've heard it's a 4800 baud serial port.

I picked up an interface to it for the Commodore 64. (It turns out the guy who sold it to me had put it together wrong. It was easily fixed by following the intstructions.) Now it works, but I want to build one for RS232 to use on my Amiga.

What I really need is a list of instructions and format that I can send to the radio to perform the front panel operations. (I'd rather not "reverse-engineer" it.)

Forgive me if this topic has been covered, I've been away from this group for a while.

Please email responses. Thanks.

Dave

```
--
-----------------------------------------------------------------///--------
    plonka@carroll1.cc.edu             Dave Plonka              ///
    uunet!marque!carroll1!plonka       ARS:  N9HZF          \\\///  AMIGA
-------------------------------------------------------------\XX/-----------
```

From -2817421497584370334
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1efe11898633eb15,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-18 12:38:50 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: SOLAR TERRESTRIAL FORECAST AND REVIEW
Message-ID: <901118133850.20401f6e@HG.ULeth.CA>
Date: 18 Nov 90 20:38:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 405
Posted: Sun Nov 18 21:38:50 1990

--- SOLAR TERRESTRIAL FORECAST AND REVIEW ---

November 17 to November 27, 1990

Report Based In-Part from Data Obtained from the
Space Environment Services Center
Boulder Colorado

SOLAR TERRESTRIAL REVIEW FOR 11 NOVEMBER TO 17 NOVEMBER.

Solar activity has been low to moderate over the past week. Several M-class flares were produced this week. Region 6361 produced produced two class M flares early this week. The first, rated an M2.1/SF, occurred at 04:36 UT on 11 November (location N10E18). The second, an impulsive class M1.6/SN flare, occurred at 04:45 UT on 13 November and lasted only a mere 7 minutes. Region 6361, which has now stabilized to a beta configuration, rotated beyond the western limb on 18 November.

A very potent and massive sunspot system has developed and is currently located (as of 18:00 UT on 18 November) at N19E15. This spot group is a huge 9,000 million square kilometers (5,625 million square miles) in size and encompasses a total of 78 sunspots. It's angular extent is 21 degree's. This potentially powerful sunspot group has a Beta-Gamma-Delta configuration (a magnetic configuration capable of spawning very powerful class X flares). This sunspot region is being monitored closely for signs of potential major flare developement. This region is capable of spawning a major class-X / 2B to 3B proton flare.

This region has spawned three class M flares over the past 24 hours, all three of which are suspected of producing SWF's (Short Wave Fades). The first, an M1.1/SN flare occurred at 18:48 UT on 17 November (location: N18E26). The second, an M2.4/SF occurred at 19:46 UT (location N21E18) and lasted for 54 minutes. The M-class flare was rated a class M1.1/1N, occurring at 22:45 UT (location: N15E28). In addition, Region 6368 also produced a class C8.8/2N flare at 17:45 UT. This flare began at 17:00 UT, and ended at 18:07 UT, lasting a total of 67 minutes.

Geomagnetic activity was mostly quiet through the early part of the week. Activity reached it's lowest level on 14/15 November. On 16 November, activity increased to active levels (with minor storming at high latitudes). A magnetic perturbation of 565 nanoteslas was observed at several high latitude observatories between 11 and 12 UT on 16 November. Most middle and low latitudes experienced only unsettled to active conditions. No significant storming occurred this week.

Auroral activity was not visible through the early part of the week, but increased rapidly to moderate levels over middle latitudes (and sporatic bursts of high levels over a few high-latitude stations) on 16 November. Activity decreased to low levels over middle latitudes on 17 November.

Radio propagation conditions were very good early in the week. However, conditions rapidly worsened on the evening of 16 November due to the increased auroral activity. Rapid signal flutter and fading was prevalent over most middle and high latitudes on 16 November. Conditions improved to near normal or slightly below normal on 17 November. Three noteworthy SWF's interfered with some daytime communications on 17 November, associated with the three M-class flares which occurred on that day from Region 6368.

SHORT TERM SOLAR TERRESTRIAL FORECAST

There is a risk for some major flaring to occur over the next 3 to 5 days (minimum) from Region 6368. The penumbral extent of this region is enormous. The magnetic complexity is clearly apparent, particularly in the trailer spot complex. This region will continue to spawn minor M-class flares over the next 3 to 5 days at least. The Space Environment Services Center estimates a 25% to 35% probability for a major class X flare occurring from this region over the next 3 days (day 3 = 20 November). In addition, estimated probabilities for major proton flaring is held at 15% to 25% over the next 3 days. The Space Environment Services Center has also issued a condition YELLOW alert status for potential PCA and proton event activity over the next 72 hours. This region is capable of producing some major activity. For more information, see the Potential Major Flare Warning which has been posted separately.

Geomagnetic activity is expected to rise to active levels again over the next 72 hours due to a fairly well positioned coronal hole. Minor storming may be possible at higher latitudes with the onset of this activity. Middle and low latitudes are expected to remain mostly unsettled with periods of active conditions. These forecasts exclude the potential for major flare-induced activity. Should a major flare occur, a potential impact analysis with revised forecast charts will be posted with the flare alert. Geomagnetic activity may also increase on 22/23 November when residual emissions from Region 6368 are expected to reach the earth.

Auroral activity is also expected to become more apparent over middle and high latitudes, particularly on 19/20 November when coronal hole induced conditions are expected to be most active on these dates at all latitudes. Activity should reach moderate levels at high latitudes with potential sporatic bursts of high activity becoming visible at several high-latitude locations. Middle latitudes will experience mostly low to moderate auroral activity. Low latitudes will not likely be able to witness any auroral activity this week, unless a major flare has a strong impact with the earth. Excluding potential major flare effects, the auroral zone will likely experience a slight southward shift, particularly on 19/20 November.

Radio signal propagation conditions are expected to be mostly normal over middle and low latitudes for the coming week. Degraded conditions may occur on 19-20 November due to coronal hole effects, although the worst conditions will likely remain confined to the high latitudes and northerly middle latitude regions. Central and southern middle latitude regions may experience periods of strong auroral-induced signal flutter and fading on the evenings of 19/20 November due to increased auroral activity. However, propagation during the daylight hours should be mostly normal over most middle and low latitudes, excluding periods of SWF (discussed below).

There is a strong risk (60% to 80%) of SWF and SID occurrences on the sunlit hemisphere of the earth over the next 4 to 7 days due to minor and possibly major flare activity. SWF and SID durations could exceed 80 to 120 minutes. The risk for strong PCA activity is also evident due to Region 6368's threatening configuration. Users of polar and high latitude signal paths should be aware of the potential for possible radio blackout conditions over polar and high latitude regions, should a major flare occur. Likewise, users of satellites and satellite-propagation should be aware of the increased risk for satellite-level proton events and potentially strong major-flare induced ionospheric impacts.

SUMMARY OF ALL ACTIVE REGIONS VISIBLE ON THE SOLAR DISK AS OF 18 NOVEMBER

Region #	Location	LO	Area	Class	LL	Spots	Magnetic Type
6358	N14W93	145	0900	HAX	05	001	ALPHA
6361	N06W81	133	0360	DAO	07	005	BETA
6364	S30W77	129	0450	CAO	04	004	BETA
6366	S21W48	100	0420	CAO	07	011	BETA
6368	N19E25	027	9000	FKI	21	078	BETA-GAMMA-DELTA
6371	N18W17	069	0030	BXO	04	008	BETA
6372	S17E66	346	0330	HAX	02	002	ALPHA

NOTES: Area is in million square kilometers. Angular extent (LL) and solar longitude (LO) are in degree's. For more information regarding the terminology used above, request the Glossary of Solar Terrestrial Terms from: "std_oler@hg.uleth.ca".

H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AS OF 24:00 UT ON 17 NOVEMBER.

REGION	LOCATION	LO	COMMENTS (IF ANY)
6360	S18W85	137	
6367	N41W25	077	

ACTIVE REGIONS DUE TO RETURN BETWEEN 18 AND 20 NOVEMBER

Region	Latitude	Longitude (Helio.)
NONE		

NOTES:

For definitions regarding the above, request the Glossary of Solar Terrestrial Terms from "std_oler@hg.uleth.ca".

GRAPHICAL ANALYSIS OF RECENT GEOMAGNETIC ACTIVITY - BOULDER COLORADO

```
                  Cumulative Geomagnetic Activity History
             Peak Geomagnetic Activity during the past 87 hours

     _________________________________________________________________
    |  EXTREMELY SEVERE |        |        |        |     | VERY HIGH! |
    | VERY SEVERE STORM |        |        |        |     | HIGH       |
    |      SEVERE STORM |        |        |        |     | MODERATE   |
    |       MAJOR STORM |        |        |        |     | MODERATE   |
    |       MINOR STORM |        |        |        |     | LOW        |
    |       VERY ACTIVE |        |  ***   |  ***   |     | NONE - LOW |
    |            ACTIVE |        |*****   | *****  |* ***| NONE       |
    |         UNSETTLED |     * *|******* |********|*****| NONE       |
    |             QUIET |    ** *|********|********|*****| NONE       |
    |        VERY QUIET |********|********|********|*****| NONE       |
    |-------------------|--------|--------|--------|-----|------------|
    | Geomagnetic Field |  Thu.  |  Fri.  |  Sat.  | Sun.|  Anomaly   |
    |    Conditions     |    Given in 3-hour intervals   | Intensity  |
    |_________________________________________________________________|
```

NOTES:

This graph ONLY depicts geomagnetic conditions observed at Boulder, Colorado for the past 87 hours. Conditions to the north of Boulder will generally have slightly higher activity than Boulder, while conditions to the south of Boulder will likely have lower activity than those depicted here. However, the plots should present a good approximate average of planetary geomagnetic conditions.

"Anomaly Intensity" is meant to represent nothing more than a very rough guide to the --potential-- interaction geomagnetic fluctuations --might-- have on earth-based systems sensitive to magnetic fluctuations (ie. electrical power distribution networks, telecommunications networks, etc.).

For radio signal propagation purposes, plot lines are approximately proportional to propagation quality when plot lines are below Minor Storm conditions. Propagation quality may deteriorate rapidly (ie. non-proportionally) when plot lines reach or exceed Minor Storm levels. Complete radio blackout conditions on all short-wave frequencies may occur if plot lines reach or exceed Severe Storm levels.

PLANETARY 10-DAY GEOMAGNETIC ACTIVITY OUTLOOK (18 NOVEMBER - 27 NOVEMBER)

```
    ________________________________________________________________________
   |  EXTREMELY SEVERE |   |   |   |   |   |   |   |   |   |   | VERY HIGH! |
   | VERY SEVERE STORM |   |   |   |   |   |   |   |   |   |   | HIGH       |
   |      SEVERE STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MAJOR STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MINOR STORM |   |   |   |   |   |   |   |   |   |   | LOW        |
   |       VERY ACTIVE |   | * |   |   |   |   |   |   |   |   | NONE - LOW |
   |            ACTIVE |   |***|***| * | **|***|   |   | **|***| NONE       |
   |         UNSETTLED |***|***|***|***|***|***|***|***|***|***| NONE       |
   |             QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |        VERY QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |-------------------|---|---|---|---|---|---|---|---|---|---|------------|
   | Geomagnetic Field |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|  Anomaly   |
   |    Conditions     |       Given in 8-hour intervals       | Intensity  |
   |________________________________________________________________________|
```

NOTES:

Predicted geomagnetic activity is based heavily on recurrent phenomena. Transient energetic solar events cannot be predicted reliably over periods in excess of several days. Hence, there may be some deviations from the predictions due to the unpredictable transient solar component.

GRAPHICAL ANALYSIS OF SOLAR ACTIVITY OVER THE PAST 60 DAYS

```
                   Cumulative Graphical Analysis of
                           Solar Activity

    ____________________________________________________________
242|                                                            | MOD.
235|   F = Major Flare(s)                                       | MOD.
227|                         *                                  | MOD.
220|                        ***  *                            * | MOD.
212|                        ***  *                  **      * * | MOD.
205|                       ****  *                  **      *** | MOD.
197|**                   ******  *F                **** *  *****| MOD.
190|***                 **********F                ******* *****| LOW
182|****          *    ***********F*               *************| LOW
175|*****        **   ************F*               *************| LOW
167|*****        *****************F**             **************| LOW
160|******      ******************F*** * *        **************| LOW
```

```
152|*******   ********************F**********    ***************| LOW
145|******************************F********** * ****************| LOW
137|******************************F*****************************| LOW
130|******************************F*****************************| LOW
    ------------------------------------------------------------
               Cumulative 60 day Solar Activity Record
                   Start Date:  September 20, 1990
```

NOTES:

Left-hand column digits represent the 10.7 cm solar radio flux obtained from Ottawa. The right-hand column describes the relative solar activity for that period based on the average number of major and minor flares that can be expected for related solar flux values. Plot lines labeled with the letter "F" represent days where at least one major flare occurred (ie. class M5 or greater flare).

RADIO SIGNAL PROPAGATION PREDICTIONS (18 NOVEMBER - 27 NOVEMBER)

```
                              High Latitude Paths

            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |   |   |   |   |   |   |   |   |   |   |
           |           GOOD |   |   |   |   |   |   |   |   |   |   |
           |           FAIR |   |   |   |   |   |   |   |   |   |   |
           |           POOR |***|  *|  *|***|* *|  *|* *|***|* *|  *|
           |      VERY POOR |   |** |** |   | * |** | * |   | * |** |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Each Line Represents 8-Hours      |
            --------------------------------------------------------

                             Middle Latitude Paths

            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |   |   |   |   |   |   |  *|*  |   |   |
           |           GOOD |***|  *|  *|***|* *|  *|** | **|* *|  *|
           |           FAIR |   |** |** |   | * |** |   |   | * |** |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Each Line Represents 8-Hours      |
            --------------------------------------------------------

                                Low Latitude Paths

            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |   |   |   |   |   |   |  *|* *|   |   |
           |           GOOD |***|* *|* *|***|* *|* *|** | * |***|* *|
           |           FAIR |   | * | * |   | * | * |   |   |   | * |
            |           POOR |   |   |   |   |   |   |   |   |   |   |
            |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
            | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
            |----------------|---|---|---|---|---|---|---|---|---|---|
            |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
            |    QUALITY     |     Each Line Represents 8-Hours      |
             --------------------------------------------------------

NOTES:
       High latitudes >= 55       degree's north latitude
     Middle latitudes >= 40 < 55  degree's north latitude
        Low latitudes  < 40       degree's north latitude


AURORAL ACTIVITY PREDICTIONS (18 NOVEMBER - 27 NOVEMBER)

                            High Latitude Locations
             ________________________________________________________
            | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
            |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
            |           HIGH |   |   |   |   |   |   |   |   |   |   |
            |       MODERATE | * |***|***| * | **|***|   |   | **|***|
            |            LOW |***|***|***|***|***|***|***|***|***|***|
            |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
            |----------------|---|---|---|---|---|---|---|---|---|---|
            |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
            |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
             --------------------------------------------------------

                          Middle Latitude Locations
             ________________________________________________________
            | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
            |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
            |           HIGH |   |   |   |   |   |   |   |   |   |   |
            |       MODERATE |   | * |***|   | * |** |   |   |   | * |
            |            LOW |***|***|***|***|***|***|** | * | **|***|
            |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
            |----------------|---|---|---|---|---|---|---|---|---|---|
            |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
            |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
             --------------------------------------------------------

                             Low Latitude Locations
             ________________________________________________________
            | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
            |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
            |           HIGH |   |   |   |   |   |   |   |   |   |   |
            |       MODERATE |   |   |   |   |   |   |   |   |   |   |
            |            LOW |   |   |   |   |   |   |   |   |   |   |
            |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
            |----------------|---|---|---|---|---|---|---|---|---|---|
            |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
            |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
```

NOTES:

Latitudinal boundaries are the same as those given above for radio propagation quality. Periods of high auroral activity may be suitable for auroral-propagation. Locally visible moderate auroral activity will almost always cause moderate to strong deterioration in HF signals, while locally visible high auroral activity will render most HF bands useless.

Auroral activity is defined as follows:

NOT VISIBLE: Not visible

LOW: Diffuse, inactive auroral activity visible very near the northern horizon for mid and low latitudes.

MODERATE: Visibly active, but not exceptionally bright auroral activity most visible above the northern horizon for mid to high latitudes. This type of activity usually encompasses torch-like (or beam-like) aurorae mixed with low-intensity curtain aurorae.

HIGH: Visibly very active, with periods of bright, pulsating curtain aurorae possibly mixed with moderate intensity zenith aurorae. Can occur to the north as well as stretching up near the zenith, particularly at middle latitudes. There may be some color fluctuations discernable.

VERY HIGH: Very active, very bright and very colorful auroral activity possibly mixed with intense zenith and curtain aurorae. Visibly strong pulsations with auroral boundaries to the zenith, stretching even partway to the southern hemisphere of the sky.

EXTREMELY HIGH: Rare, incredibly bright auroral activity with rapid color and brightness fluctuations mixed with very strong rapid auroral pulsations visible throughout the entire sky.

There are three plotted lines per day in the auroral activity prediction charts. Each of these three plotted lines represent three periods during the evening/morning when auroral activity can be seen. The first line represents the evening twilight period. The middle line represents the --local-- midnight sector, while the last line of each day represents the morning twilight period.

The auroral activity predictions charts are heavily based on recurrent phenomena and may not be accurate in the longer-term due to unforseen and unpredictable transient events (ie. such as solar flares).

The visibility of auroral activity depends on your location and the brightness of the sky (which is dependent upon both city lights and lunar phase). These charts do not account for these variations. The charts are based on dark-sky conditions (lunar phase excluded). Aurorae occur independent of sky brightness, so just because auroral activity may not be directly visible (due to lunar phase, for example) does not mean auroral activity isn't in progress.

** End of Report **

```
From -7405178958773115700
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cef9f08c484d1aa8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,cef9f08c484d1aa8,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f5cc0,cef9f08c484d1aa8,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-11-18 12:52:48 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!mintaka!yale!cs.utexas.edu!
usc!rutgers!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.space
Subject: * SpaceNews  19-Nov-90 *
Keywords: Mars, Salyut-7, Pacsats, RS14
Message-ID: <370@ka2qhd.UUCP>
Date: 18 Nov 90 20:52:48 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 105
Xref: gmdzi rec.ham-radio:16996 rec.ham-radio.packet:3066 sci.space:17606
Posted: Sun Nov 18 21:52:48 1990
```

SB SPACE @ ALLBBS < KD2BD $SPC1119
* SpaceNews 19-Nov-90 *

Bulletin ID: $SPC1119

=========
SpaceNews
=========

MONDAY NOVEMBER 19, 1990

SpaceNews originates at KD2BD in Wall Township, New Jersey, United States. It is published every week and is made available for unlimited distribution.

* MARS VISIBILITY *
===================

The planet Mars will be visible to those living on the east coast of the United States. The planet will appear as a reddish "star" in the eastern sky. Best viewing will begin around 8:00PM local time. Mars will be closest to Earth on Tuesday, when it will be about 48 million miles from Earth. Viewing should be equally good through early December.

* SALYUT-7 NEWS *

The presently unused and long abandoned Soviet space station 'Salyut-7' is tumbling uncontrollably and is predicted to re-enter the Earth's atmosphere in mid-January. Attempts to boost the 60 metric ton structure to a higher orbit have failed. Salyut-7 should produce quite a spectacular light show if it re-enters the atmosphere away from sunlight.

Here is element set 633 for Salyut-7 as released by NASA on 14-Nov-90:

```
Epoch    : 90 318.01787657
Incli    : 51.5983
RAAN     : 257.2085
Eccn     : 3.837E-04
ArgPer   : 109.0767
MeanAn   : 251.0680
MeanMo   : 15.82804120
Decay    : 1.11688E-03
Orbit #  : 48841
```

* PACSAT NEWS *

Work continues on UO-14 and AO-16. DOVE-1 will be reset shortly after software testing on the other Microsats is complete.

* RS-14/RUDAK-2 NEWS *

Reliable sources within the Soviet Union indicate that the launch of RS-14/RUDAK-2 is now expected to happen on or about November 24, 1990. UA3CR requests the help of radio amateurs all over the world to collect telemetry and send it via packet radio or via a SSB net to him. The first day's worth of telemetry will transmitted via a CW beacon at 20 WPM on 145.822 or on 145.948 MHz SSB and will be vitally important to ground controllers. Later, after ALL systems are working properly on the RUDAK-2 transponder, PSK/BBS/MODE B operations will begin.

* TNX QSL! *

A special thanks to all those who sent QSLs, cards and letters to SpaceNews:

IW1BMJ: Claudio Ariotti, Casale Monferrato, Italy
N6TTR : Doc Pagala, French Camp, California, U.S.A.
WJ0F : Lee Amoroso, Grand Junction, Colorado, U.S.A.
W6FV : Nick in Santa Ana, California, U.S.A.

...and e-mail messages:

DL6NBB, K3GLK, KA2AEV, N0LAJ

* FEEDBACK WELCOMED *

Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

UUCP : kd2bd@ka2qhd.de.com
AMPR : KD2BD @ NN2Z.NJ.USA.NA

MAIL : John A. Magliacane
Department of Electronics Technology
Advanced Technology Center
Brookdale Community College
765 Newman Springs Road
Lincroft, New Jersey 07738
U.S.A.

<< If you like what you see, send us your QSL card! >>

/EX
--
```
John A. Magliacane                 FAX  : (908) 747-7107
Electronics Technology Department  AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College        UUCP : ...!rutgers!ka2qhd!kd2bd
Lincroft, NJ  07738  USA           VOICE: (908) 842-1900 ext 607
```

From -709807836392599991
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc222910c12733e7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-18 13:57:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!apple!agate!ucbvax!OAC.UCLA.EDU!OSYSMAS
From: OSYSMAS@OAC.UCLA.EDU (Michael Stein)
Newsgroups: rec.ham-radio
Subject: 6CW4 available
Message-ID: <9011182210.AA16279@ucsd.edu>
Date: 18 Nov 90 21:57:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 2
Posted: Sun Nov 18 22:57:00 1990

One "new" (unused) 6CW4 RCA Nuvistor. Anyone need one? This is left over from a never completed project in the late 60's.

From 3513363919580049071
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a2729461f55c1454,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-18 14:10:24 PST
Path: gmdzi!unido!mcsun!uunet!know!cs.utexas.edu!swrinde!mips!prls!philabs!trotter!dean1!x35514e4
From: x35514e4@dean1.usma.edu (Gorkos John CDT)
Newsgroups: rec.ham-radio
Subject: Need all kinds of HELP.
Message-ID: <273@dean1.usma.edu>
Date: 18 Nov 90 22:10:24 GMT
Reply-To: x35514e4@dean1.UUCP (PUT YOUR NAME HERE)
Organization: US Military Academy, West Point, NY
Lines: 48
Posted: Sun Nov 18 23:10:24 1990
Summary:
Expires:
Sender:
Followup-To:
Distribution:
Keywords:

After six months of "read-only" privleges for this newsgroup I've finally been granted post priveleges. The following is six months of bottled up questions for the ham-radio gods out there.

1) about Yeasu FT-736R's: is there a modification that will allow this radio to receive weather-satellite downlinks on 137.xxx mHz? The specs say that it has a 50kHz IF bandwidth, so I should be able to copy the signals without too many problems if I could only get it to rx that low.
2) about az-el rotors: we have the Yeasu GB-5400 az-el rotors swinging 3 KLM beams (2meter, 70cm, and 24cm). We also have a 386 machine. The logical question for a EE major is: How can I control the rotors using the computer? I have some ideas that would involve a game card and a parallel printer interface, but I'd like to tap the net's collective intelligence on this.
3) about IC-781's and IC-4KL's:
    a) has anyone had any success using the built in data display for rtty work? Can I use a TNC (esp. an MFJ-1278) or can I build a dedicated-RTTY device that takes that output from the data jack, decodes it, and feeds it strait back in. Anyone have any experience with this?
    b) I've made the 10m conversion to the IC-4KL, but it doesn't have "28" light on the remote controller so the average idiot in the station can't tell that the linear is ready for 10 meters. Does Icom sell an upgrade that allows for this?

Item of Note: After playing with the '781 for about a month, I'll concede that it's a hell of a radio, but it's not much better than a TS-440 with the external station monitor and a palomar pre-amp...

4) about TNCs: Is the MFJ-1278 suitable for receiving APT format weather satellite downlinks (re: question #1)? What software/

additional hardware do I need to get weather pics?

I have a Kantronics TNC-2 with rom update 2.83 (dated 1988). Is there a new version of the ROM, and is it worth the update? BTW, I tried running packet on my FT-470 but the TNC throws off so much RF that it desenses the radio to the point that it's worthless. My ancient (!) IC-2AT does a great job of it though. I still think the 470 is the neatest handheld on the market.

Since we have satellite capability in the station, what PSK modem is the best? Is there one that we can piggy-back on an existing TNC, esp MFJ 1278 or TNC-2?

I guess that about covers it. We are trying to automate as much of the station as possible, so any tips or hints concerning computerized control of radios, antennas, TNCs, etc. is greatly appreciated.

```
| Cadet John Gorkos - CIC W2KGY - The Cadet Amateur Radio Station,    |
| x35514e4@usma11.usma.edu        United States Military Academy      |
| Standard disclaimers apply      West Point, NY, USA                 |
```

From -1202579793946928440
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc7b47499e1e9695
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-18 14:21:28 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!emory!kd4nc!km4ba!alan
From: alan@km4ba.UUCP (Alan Barrow)
Newsgroups: rec.ham-radio
Subject: Re: Mobile HF antennas
Message-ID: <194@km4ba.UUCP>
Date: 18 Nov 90 22:21:28 GMT
References: <22085@mvis1.com>
Organization: km4ba's packet radio gateway, Atlanta GA.
Lines: 66
Posted: Sun Nov 18 23:21:28 1990

You are correct about the bumper mount being useless.

The solution I used on a landcruiser wagon, was to put a marine rachet mount on the roof. On the interstate, I ran with the antenna straight up. In town I ran at 45 deg, and I could lay it flat when I was not using it.

It out preformed the same antenna mounted on a fender, and the bumper mount was useless, even when on the front.

An interesting side effect was that with the antenna at 45 deg, it still worked ok. I think most hf whips will "lay down" quit a bit, unless you guy them. By running at 45 deg, it tended to sway less.

I saw a neat design on a full sized van at Dayton. The
owner claimed it worked as well as anything else he had
tried.

I will try to dupe:

```
                                                   |
                                     |      |      |
                              |      |      |      |
                              |      |      I      I
                              I      I      I      I
   Alum. Angle                I      I      I      I  <- hustler
      ->   _________________________________________     resonators
feed pt->  |                  i                    i  <- insulators
-------------------------------------------------------------
   ^ Van roof
```

I can see how this would not be to different from a
laid over hustler with a "spyder"

I have switched from hustler to monoband 8' fiberglass
whips. The ones I use are one piece, and work ok. (I think
the hustler may radiate better.) The reason I switched is
I can use the fiberglass ones without a spring, and still
drive in the woods. I have bayonet mounts, and can change
whips quickly. I still wonder if a stainless whip, with a
base mounted auto antenna matcher is not the best way.

Not using a spring allows the antenna to stay erect at speed,
and keeps the swr from varying. This offsets the slight
advantage the hustler has. The hustlers do seem to have
slightly higher bandwidth.

If you drive around much with hustlers on, you will break some
resonators. Springs help some, but you will still hit things, and
at speed, the springs do little. The fiberglass helicals are
pretty rugged.

There is a green book out called "35 yrs of HF mobile", or something
like that, which has lots of good info.

I have quit playing very much mobile, except on trips, but still
keep the radio in the 4wd. I carry a dipole, and coax. You will
find that same conditions, it can make a 20db difference vs your
mobile antenna, even cross polarized.

Oh well... just my experiences...
73
Alan Barrow
jab@hpuerca.hp.com

From -3370006214820945443

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8279288fa758331f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-18 16:26:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!isi.edu!
gremlin!heat.nrtc.northrop.com!domae
From: domae@heat.nrtc.northrop.com (Terry Domae)
Newsgroups: rec.ham-radio
Subject: ICOM IC-32AT's & IC-24AT's Mods Available?
Message-ID: <13129@gremlin.nrtc.northrop.com>
Date: 19 Nov 90 00:26:41 GMT
Sender: news@gremlin.nrtc.northrop.com
Reply-To: domae@heat.nrtc.northrop.com (Terry Domae)
Organization: Northrop Research & Technology Center, Palos Verdes, CA
Lines: 13
Posted: Mon Nov 19 01:26:41 1990

At the moment, I'm contemplating purchasing one of these two radios,
but I'd like to know what modifications are available for them.
I suppose I'm really interested in knowing what mods are available, how
extensive the mods are, and how well the mods work.

What kinds of extended receive ranges are there?

Are there any after-market accessories like a DTMF pager?

Thanks for any comments,

Terry Domae
Northrop Research and Technology Center

From 1223175570613353139
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d7d7f5eda6421171,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-18 18:19:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!bcm!
lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Schedule update: rec.ham-radio.legal proposal
Message-ID: <4331@lib.tmc.edu>
Date: 19 Nov 90 02:19:25 GMT
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 35
Posted: Mon Nov 19 03:19:25 1990
Nntp-Posting-Host: thesis1.hsch.utexas.edu
Originator: jmaynard@thesis1.hsch.utexas.edu

I'm going to slow down the schedule for the rec.ham-radio proposal slightly,
due to the realities of the moderation process for news.announce.newgroups,

which is the official place for the formalities of the newsgroup creation process, and the fact that this is Thanksgiving week in the US. Since the moderator only posts messages weekly on Sunday night, and will only guarantee to post things he gets by Friday evening, I'll post the formal Call for Discussion at 5 pm Friday, 30 November if there's support for the idea. This will make the discussion run from Monday, 3 December through Monday, 31 December, and a 21-day voting period run from 31 December until 20 January. I agree this isn't the best schedule, but the Guidelines for Newsgroup Creation (available at a news.announce.newusers near you) specify these as the minimum lengths of time for each phase of the process. (Fun, fun!)

If you missed the original posting, rec.ham-radio.legal is intended to be the place for the interminable discussions that crop up here about rules and regulations, both existing and proposed. Recent topics that generated lots of flamage, such as out-of-band mods for radios, pizza on the autopatch, and HTs on airliners, as well as the ever-[un]popular code/nocode war, are the kinds of things that rec.ham-radio.legal will contain. It's apparent to anyone who's been reading this group for any length of time that those kinds of topics aren't going away, so this is an attempt to make it easier for those who have grown sick of the whole business to ignore it, without having to ignore everything posted by given authors (as the kill file posted here recently does).

Nick Sayer suggested a Frequently Asked Questions/Arguments posting for the group. I think this is a good idea, and would like to see it; unless someone else has a burning desire to generate one, I'll probably tackle it myself, but it'll have to wait until after Thanksgiving. I'll gladly accept help on this one, too.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
"With design like this, who needs bugs?" - Boyd Roberts

From 6865100185942338247
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bd37399c415eb039,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,bd37399c415eb039,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-11-18 18:42:52 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!caen!umich!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Glen Hauser to move to WWCR! (Listening Tip)
Keywords: DX Show Host to be audible again in North America and the world
Message-ID: <1990Nov19.024252.4273@lopez.UUCP>
Date: 19 Nov 90 02:42:52 GMT
Followup-To: rec.radio.shortwave
Organization: Great White North/UPlink - Marquette, Michigan
Lines: 102

Xref: gmdzi rec.radio.shortwave:2762 rec.ham-radio:17024
Posted: Mon Nov 19 03:42:52 1990

Popular Monitoring Times Columnist and host of WORLD OF RADIO, Glen Hauser will be heard on WWCR, The powerhouse international broadcaster, beginning Sunday 25 November 1990. His broadcasts will then be aired regularly thereafter. Convieniently scheduled for 8:30pm Eastern Standard Time (0130UTC while the USA is on Standard Time), and blasted out with a few MILLION watts of ERP on 7520 KHZ, Glen will be heard for the first time reliably in Europe.

You might be aware that Glen's WORLD OF RADIO has aired for many years over WRNO, the one time powerhouse gone flea power. With the WRNO signal now more of a JOKE than a broadcast service, Hauser has made the right move.

Interestingly, the program will air RIGHT BEFORE the four hour weekly broadcasts of RADIO NEW YORK INTERNATIONAL, making sunday a true night for good listening for the shortwave buff.

If you are a regular listener of Hauser's program, you are no doubt aware that it is a mixture of Good DX and station news, tips, tidbits, and a smattering of left wing political commentary. Hauser is an athiest, and in the past has featured "TIPS FOR RATIONAL LIVING" as part of his program. This feature ridicules religious practice, and promotes humanism. I will be very interested to see if Hauser continues this feature now that his program will be heard over WWCR, which is a Christian Station.

Most of the programs aired during the week on WWCR are a mix of Religious programs, most of them in the old time religion vein during the day. In the evening, the station switches to talk shows from the SUN RADIO NETWORK, with Chuck Harder (Consumer help and weird science) and Tom Valentine (Right Wing Politics and WEIRDER science).

Last week Harder talked about the N-MACHINE, which is a device that is supposed to produce more electric power than it takes in, making it in effect a perpetual motion machine. Valentine, not to be outdone, had on a man who claims that his invention has lowered SMOG in Los Angeles, through manipulation of the "ether". The anti-smog machine has no moving parts, but relies on its geometric shape to dispell the noxious fumes. He wants the Los Angeles City Government to pay him a million dollars a month to continue his services. He cites the figures that prove his device works, and even uses newspaper headlines about lower smog levels. Since Los Angeles is ignoring him, he is packing up his technology and going to Japan with it. He says "Just you watch. NEXT YEAR the smog levels will increase". Of course if they do, he will have all the impirical evidence he needs. And if they don't... Well we won't hear from HIM any more.

In any case, HAUSER has also ridiculed these programs, and encouraged people who have any scientific knowledge to call and try and debunk these guys. When someone DOES call though, Valentine refuses to let them speak if they disagree, or he chides them. After being so critical of the station and its programming, Hauser now finds himself on the same station.

It is probably NO ACCIDENT though that WORLD OF RADIO will be airing immediately before RNI's weekly shows.

RNI and its rotating schedule

7520 KHZ 0200 - 0600 Z Via WWCR Sunday (USA) Monday (UTC)

Radio NewYork International, meanwhile has settled down to a very regular schedule. Unfortunately, the best program host (Johnny Lightning) is heard only once a week. My own personal LEAST-favorite (Pirate Joe) is heard twice a month (or more depending on the month) Now if you are a lefty liberal 1960's anti war-save the wales-peacenick who gets into those old vietnam era protest songs and mindset, YOUR mileage might vary. I prefer irreverance and biting satire, ala Johnny Lightning to the predictable Pirate Joe. Other shows include "A different kind of oldies show" which is not all that different a kind of oldies show, really... AND the Steele Ship (host Randi Steele), who is in a similar mold to pirate joe, but not quite as bad. So far, the WORST RNI program was Pirate Joe broadcasting a distorted recording of the ANTI WAR rally which took place in NYC in protest of the Desert Shield Situation. Joe must be in his glory with another war to protest. EVERYONE I know who listens to RNI flipped the station off after the program got interminable. I bet even the most loyal RNI listeners just could not take this program. HOW ABOUT IT, ANYONE ELSE LISTEN THAT NIGHT?

That's all of my time.

Thank you for Yours.

G.Bourgois
System Administrator, Great White North UPLINK
THE radio oriented BBS. Free guest access to ALL
USENET radio oriented conferences AND the Internet
Pirate Radio Newsletter (when published)
(906) 228-4399

```
--
=Marquette MI: It's Not the END of the world, but you can see it from here=
==  Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash)  GWN UPLink  ==
==  3.950  Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================
```

From -5696804201651216673
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,72ba72bdbbc0ad0e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1165a8,72ba72bdbbc0ad0e,start
X-Google-Attributes: gid1165a8,public
X-Google-ArrivalTime: 1990-11-18 23:08:55 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!van-bc!ubc-cs!uw-beaver!sumax!amc-gw!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio,aus.radio.amsat
Subject: AMSAT News Bulletins, 11/17/90
Keywords: ham satellites
Message-ID: <550@ssc.UUCP>
Date: 19 Nov 90 07:08:55 GMT
Organization: very little
Lines: 343
Xref: gmdzi rec.ham-radio:17005
Posted: Mon Nov 19 08:08:55 1990

SB ALL @ AMSAT $ANS-321.01
DX-PEDITIONS A PLENTY (Pt 1)

HR AMSAT NEWS SERVICE BULLETIN 321.01 FROM AMSAT HQ
SILVER SPRING, MD NOVEMBER 17, 1990
TO ALL RADIO AMATEURS BT

Island DX-peditions should keep Satellite DXers busy

With some indispensable help from Gary Garriott, WA9FMQ, Eric Rosenberg WD3Q has been granted a reciprocal license in the Dominican Republic and will be operating as WD3Q/HI3 from Saturday, 24 November to Thursday 30 November from Puerto Plata on the north coast of the country. He expects to be on AO-13 mode J and B every day, but as this is a family holiday, one never knows whether this will actually be the case!! He is planning to be active on Thanksgiving weekend, and hopes to check into the Operations Net (145.950 MHz) on Saturday morning.

The equipment comes from Mike Crisler, N4IFD (antennas, amplifiers, preamps, feedlines, et al), and Art Feller, KB4ZJ (FT-726R radio). Mike has designed a portable mast, tripod and antenna mounting system for the small KLM twin antennas that fits in a 7 foot x 6 inch PVC pipe. Eric plans to take as many pictures as possible and will publish an article for a future issue of AMSAT Satellite Journal.

The windows for this operation are tentatively scheduled as follows:

```
SAT 24-NOV-1990  1400     to 1900
SUN 25-NOV-1990  1300        1800
MON 26-NOV-1990  1100        1630
TUE 27-NOV-1990  1000        1500    <--
```

```
WED 28-NOV-1990  0900        1330     | He may not start until 1100 UTC or so
THU 29-NOV-1990  0730        1230    <--
```

All dates and time are in UTC.

Those fortunate enough to work Eric can QSL to his home address of:
338 14th Street NE, Washington, DC 20002
/EX
SB ALL @ AMSAT $ANS-321.02
DX-PEDITIONS A PLENTY (Pt 2)

HR AMSAT NEWS SERVICE BULLETIN 321.02 FROM AMSAT HQ
SILVER SPRING, MD NOVEMBER 17, 1990
TO ALL RADIO AMATEURS BT

In addition to Eric's operation, ANS has been informed of a DX-pedition to Saipan (KH0). As posted on CompuServe:

```
#: 32281 S5/Amateur Satellites
    11-Nov-90  21:11:47
Sb: KH0 Pedi (AO-10,13)
Fm: Ken  JR1WZI 74520,62
To: ALL
```

We are planning to operate OSCAR from KH0 (Saipan Is.) on Nov 23-25.

```
Oscar:       AO-10, AO-13
Date & Time: Nov23 15:00 - Nov25 24:00 (UTC)
Mode & Freq: Mode-B 145.910MHz SSB
                    145.870MHz CW
             Mode-J 435.950MHz SSB/CW
Rig & ant:   (2m) 30W 10el YAGI
             (70cm) 50W 15el YAGI
Callsign:    KH0/JR1WZI, KH0/JA0RVJ, KH0/JH1TEB, KH0/JH1OGT
QSL:         Buro (JARL)
```

73,
Ken JR1WZI

Looks like the amateur satellites are where the real DX action is ... and without the fuss of low-band style pileups.

[ANS thanks Eric Rosenberg WD3Q for the information for these bulletins]
/EX
SB ALL @ AMSAT $ANS-321.03
RS-14/RUDAK-2 LAUNCH UPDATE

HR AMSAT NEWS SERVICE BULLETIN 321.03 FROM AMSAT HQ
SILVER SPRING, MD NOVEMBER 17, 1990
TO ALL RADIO AMATEURS BT

Revised RS-14/RUDKAK-2 Launch Set For November 29, 1990 +- 1 Day

AMSAT-DL officials have been informed that the launch of RS-14/RUDAK-2 will occur on or about November 29, 1990, plus or minus one day. Also, it is not expected that the RUDAK-2 transponder will be turned on until three days after launch. Radio amateurs should not expect to hear the CW beacon from RUDAK-2 until December 1, 1990. Efforts are still under way to provide a launch net on 20M starting about an hour before launch. UA3CR requests the help of radio amateurs worldwide to help collect telemetry and send it to him via packet radio to him once the CW beacon is turned on. The CW telemetry beacon can be heard on a downlink frequency of 145.822 or 145.948 MHz SSB. At this time the exact launch window has not been announced, nor have the preliminary Keplerian elements published. Please stay tuned to AMSAT Nets and AMSAT News Service (ANS) bulletins for late breaking news concerning the launch of this exciting new OSCAR.

[ANS would like to thank DB2OS for providing the information in this bulletin.]
/EX
SB ALL @ AMSAT $ANS-321.04
WO-18 STATUS

HR AMSAT NEWS SERVICE BULLETIN 321.04 FROM AMSAT HQ
SILVER SPRING, MD NOVEMBER 17, 1990
TO ALL RADIO AMATEURS BT

Efforts To Understand WO-18 Attitude Continue; New Picture Software Uploaded

Ground controllers at Weber State University (WSU) are continuing their efforts to analyze the attitude behavior of WEBERSAT-OSCAR-18 (WO-18). They have observed over the past several months that WO-18's Z-axis spin rate has been slowly decreasing. In an effort to understand this phenomenon, the students in the Computer Science Department are building a database to store the past ten months of real-time telemetry and Whole Orbit Data (WOD) collection. This will allow engineers to retrieve data and plot telemetry parameters quickly for analysis. Storing this much data immediately presents a significant challenge in view of the enormous volumes of data involved, however, ground controllers will have valuable tool in order to characterize spacecraft motion and health.

To cope with the slowing of the spin rate of WO-18 and to enhance picture taking, new on-board software has been uploaded to WO-18. This imaging software has the added "smarts" to look at the solar array (S/A) currents, wait for a specified S/A current, and then snap a picture. By using solar array currents, WSU engineers will use this information to predict when the CCD camera is earth pointing and thus produce better pictures.

In the upcoming weeks, new software will also be loaded to include the CCD Light Spectrometer data in the telemetry. The spectrometer is designed to measure the spectrum of sunlight reflected from the earth's atmosphere. This will provide scientist with the composition of the atmosphere at specific places and times.

Radio amateurs who wish to process WO-18 images can obtain more information about WEBERWARE 1.0 from the AMSAT Software Exchange at AMSAT-NA HQ's.
/EX
SB ALL @ AMSAT $ANS-321.05
MICROSAT UPDATE

HR AMSAT NEWS SERVICE BULLETIN 321.05 FROM AMSAT HQ
SILVER SPRING, MD NOVEMBER 17, 1990
TO ALL RADIO AMATEURS BT

Engineering Team reports on current status of Microsats

Beta testing of the new PACSAT BBS software uncovered a minor bug which could only be discovered while the bird was being used by multiple stations. After analysis of a memory dump from AO-16, the failure mode was discovered and was reproduced on a ground-based Microsat simulator. The problem was fixed and AO-16 was scheduled to be reloaded with the new code during the weekend of 17 November 90.

The AMSAT Microsat Engineering team has generated the following update on all the Microsats dated 16 November 90:

AO-16

AO-16 is currently running the basic command and telemetry system, without the Whole Orbit Data (WOD) routines. This is in preparation for a full reload this weekend with an updated operating system. Fixes include various improvements in memory utilization, making more memory available to application programs.

This operating system will support the first production version of the file server software, loading will start this weekend. The new version will support the full 8 megabyte file system.

DO-17

No Changes. Uploading of new software is planned for December.

WO-18

The version 3.0 imaging software was unloaded 11/13/90. The 3.5 version was loaded 11/14/90. This version uses the arrays currents as well as the horizon sensors in the attitude determination algorithm. A variable timer has been added in order to allow a longer time for constraints to be met before an image capture is triggered.

LO-19

No Changes. Uploading of the pacsat file server is planned for late November.
/EX

SB ALL @ AMSAT $ANS-321.06
S/A PROCEEDINGS PUBLISHED

HR AMSAT NEWS SERVICE BULLETIN 321.06 FROM AMSAT HQ
SILVER SPRING, MD NOVEMBER 17, 1990
TO ALL RADIO AMATEURS BT
AMSAT Argentina Satellite Symposium Proceedings Published
During the weekend of 22 September 90, AMSAT-Argentina held a Satellite Symposium in Buenos Aires, Argentina. ANS has be informed that the Proceedings of that meeting have been published and are now available.

The Proceedings total approximately 90 pages and based on the index of papers included (13 in all) and because the Symposium was held in Argentina, one can assume that the Proceedings are published in Spanish. For more information on these papers, contact:

Carlos Calvo   1424, 1er Piso, Capital Fed.

TE: 32 0555, 26 0505.
P.O.Box 9, Suc.1, 1401 Buenos Aires. Argentina.

He can be contacted at: LW2DQO @ LU7AA.
/EX
SB ALL @ AMSAT $ANS-321.07
ZRO TEST SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 321.07 FROM AMSAT HQ
SILVER SPRING, MD NOVEMBER 17, 1990
TO ALL RADIO AMATEURS BT

Fall Edition of ZRO Test Announced

The ZRO Memorial Technical Achievement Award Program, or just "ZRO Test" has a new schedule through the end of 1990 via AMSAT-OSCAR-13. This activity is a test of operating skill and equipment performance tested by copying signals decreasing in strength in predefined steps. At the beginning of the run, uplink power from the control station is set to match the general beacon downlink strength. This is level "zero". The control operator will send and repeat a random five-digit number, then lower uplink power by 3 dB (half power) and repeat the procedure with a new random number. This will continue to a level 27 dB below the beacon (level "nine"). A participating listener monitors the downlink signals till they can no longer copy the numbers. Those who can hear the beacon will qualify for the basic award by copying the code group heard at level "zero". The challenge is to improve station performance to a point where the lower-level downlink signals can be copied (levels 6 through 9). This then results in the need for less uplink power for routine communications operation.

The following schedule of Mode "B" and "JL" ZRO tests were chosen for convenient operating times and favorable squint angles. The "B" tests can be heard on 145.840 MHz and the "JL" test on 435.945 MHz.:

Saturday November 24, 1990 at 1700 UTC "B"

Saturday December 1, 1990 at 2030 UTC "B"
Saturday December 15, 1990 at 1630 UTC "B"
Saturday December 22, 1990 at 0530 UTC "B"
Saturday December 22, 1990 at 0645 UTC "JL"

Note that the dates and times are noted in "UTC." The tests on December 22nd occur late Friday night for those in North America. Any changes will be announced as soon as possible via the AMSAT HF and AO-13 Operations Nets as well as ANS. Recently updated ZRO brochures are available from WA5ZIB, Andy MacAllister, AMSAT V.P. User Operations, 14714 Knightsway Drive, Houston, TX 77083 for an S.A.S.E. with two units of postage. The brochure describes test procedures and means for obtaining certificates and gives some historical background about the program.

All listener reports with date of test and numbers copied should be sent to WA5ZIB at the address above. A report will be returned verifying the level of accurate reception. Good luck!
/EX
SB ALL @ AMSAT $ANS-321.08
OPERATIONS NET SCHEDULE
HR AMSAT NEWS SERVICE BULLETIN 321.08 FROM AMSAT HQ
SILVER SPRING, MD NOVEMBER 17, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times.
Mode B nets are conducted on an AO-13 downlink frequency of 145.950.
Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date	Phs	mode	UTC	NCS	Alt.	U.S. day
24 Nov 90	97	J/L	1430	WD0E	N5BF	Saturday
02 Dec 90	63	B	1530	WB6LLO	WA5ZIB	Sunday
08 Dec 90	156	B	1300	WB9ANQ	KA5SMA	Saturday
15 Dec 90	97	J/L	1400	N5BF	WD0E	Saturday

STS-37 astronaut Jay Apt (N5QWL) will be the featured guest on the 24 November 90 net. Jay will be discussing late plans for his own flight, which is to be flown next spring, and STS-35, which is scheduled for early December. This round table-interview session with N5QWL promises to be very interesting.

Nets are scheduled for North American geographic coverage and time zones although other parts of the world are often within the footprint and check-ins from everywhere are welcome. Those who don't have adequate and convenient coverage from this net are encouraged to schedule their own nets via AO-13. Write to AMSAT Headquarters or send a note to N5BF @ WB6YMH with your schedule to have it included in ANS.

For information on the amateur satellite program and how you can participate, contact AMSAT-NA Headquarters at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062, or contact your local AMSAT Area Coordinator.

/EX
SB ALL @ AMSAT $ANS-321.09
FALL AO-13 TRANSPONDER SCHED

HR AMSAT NEWS SERVICE BULLETIN 321.09 FROM AMSAT HQ
SILVER SPRING, MD NOVEMBER 17, 1990
TO ALL RADIO AMATEURS BT

The transponder schedule for AO-13 is as follows:

Mode-B : MA 000 to MA 095
Mode-JL: MA 095 to MA 125
Mode-LS: MA 125 to MA 130
Mode-S : MA 130 to MA 135
Mode-BS: MA 135 to MA 140 <--- QRP on Mode B Please
Mode-B : MA 140 to MA 256
Omnis : MA 220 to MA 040

This schedule is expected to continue through 26 Dec 90.

The command team requests that you make a specific effort to use QRP on Mode B between MA 135 to 140. This is specifically to help those people experimenting with Mode S. (Although you really should always keep checking that your peak signal is never stronger than the beacon (145.813/435.651 MHz)

The spacecraft attitude of AO-13 is calculated to be:
BLON = 179.1 and BLAT = -1.5 for 19 November 90

AMSAT-OSCAR-10 has come out of hibernation and appears to be receiving sufficient solar panel illumination to support Mode-B transponder operations. The transponder may be used, carefully, at all points of the orbit except MA 254 - 006 when eclipses occur. If beacon or transponder signals show signs of FMing, users should cease all transponder use immediately.
/EX

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 7675570567695654871
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,af838fb0e4a3277,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1165a8,af838fb0e4a3277,start

```
X-Google-Attributes: gid1165a8,public
X-Google-ArrivalTime: 1990-11-18 23:11:48 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!van-bc!ubc-cs!
uw-beaver!sumax!amc-gw!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio,aus.radio.amsat
Subject: AMSAT Orbital Elements, 11/17/90
Keywords: Keplerian Elements
Message-ID: <551@ssc.UUCP>
Date: 19 Nov 90 07:11:48 GMT
Organization: very little
Lines: 352
Xref: gmdzi rec.ham-radio:17003
Posted: Mon Nov 19 08:11:48 1990


SB ALL @ AMSAT $ORBS-321.O
Orbital Elements 321.OSCAR

HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES
FROM N3FKV HEWITT, TX   NOVEMBER 17, 1990
TO ALL RADIO AMATEURS BT

Satellite: AO-10
Catalog number: 14129
Epoch time:      90311.38885312
Element set:     621
Inclination:       26.0154 deg
RA of node:       176.3254 deg
Eccentricity:    0.5958797
Arg of perigee:   190.4011 deg
Mean anomaly:     147.4868 deg
Mean motion:    2.05880027 rev/day
Decay rate:       1.30e-07 rev/day^2
Epoch rev:            2768

Satellite: UO-11
Catalog number: 14781
Epoch time:      90319.58058571
Element set:     877
Inclination:       97.9328 deg
RA of node:         7.0711 deg
Eccentricity:    0.0013287
Arg of perigee:   124.0200 deg
Mean anomaly:     236.2310 deg
Mean motion:   14.65878286 rev/day
Decay rate:      1.739e-05 rev/day^2
Epoch rev:           35814

Satellite: RS-10/11
Catalog number: 18129
Epoch time:      90319.84411045
Element set:     432
```

```
Inclination:       82.9283 deg
RA of node:       216.4700 deg
Eccentricity:    0.0013150
Arg of perigee:    61.6641 deg
Mean anomaly:     298.5810 deg
Mean motion:   13.72123050 rev/day
Decay rate:      -2.57e-06 rev/day^2
Epoch rev:           17024

Satellite: AO-13
Catalog number: 19216
Epoch time:      90307.48932688
Element set:     222
Inclination:       56.9189 deg
RA of node:       127.7311 deg
Eccentricity:    0.7058799
Arg of perigee:   239.4414 deg
Mean anomaly:      33.6795 deg
Mean motion:    2.09703007 rev/day
Decay rate:      -1.45e-06 rev/day^2
Epoch rev:            1832

Satellite: FO-20
Catalog number: 20480
Epoch time:      90311.55482641
Element set:     171
Inclination:       99.0257 deg
RA of node:       330.9094 deg
Eccentricity:    0.0541485
Arg of perigee:    83.7638 deg
Mean anomaly:     282.4833 deg
Mean motion:   12.83163935 rev/day
Decay rate:       3.00e-07 rev/day^2
Epoch rev:            3513
/EX
SB ALL @ AMSAT $ORBS-321.D
Orbital Elements 321.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS
FROM N3FKV HEWITT, TX   NOVEMBER 17, 1990
TO ALL RADIO AMATEURS BT

Satellite: UO-14
Catalog number: 20437
Epoch time:      90316.71715249
Element set:     275
Inclination:       98.6897 deg
RA of node:        32.3112 deg
Eccentricity:    0.0012055
Arg of perigee:    78.9138 deg
Mean anomaly:     281.3408 deg
Mean motion:   14.28782537 rev/day
Decay rate:       4.84e-06 rev/day^2
```

```
Epoch rev:            4207

Satellite: AO-16
Catalog number: 20439
Epoch time:      90316.48623254
Element set:     173
Inclination:       98.6942 deg
RA of node:        32.2770 deg
Eccentricity:    0.0012540
Arg of perigee:    81.1724 deg
Mean anomaly:     279.0880 deg
Mean motion:   14.28881167 rev/day
Decay rate:       4.35e-06 rev/day^2
Epoch rev:            4204

Satellite: DO-17
Catalog number: 20440
Epoch time:      90315.14668732
Element set:     173
Inclination:       98.6939 deg
RA of node:        30.9623 deg
Eccentricity:    0.0012801
Arg of perigee:    85.0628 deg
Mean anomaly:     275.2020 deg
Mean motion:   14.28935403 rev/day
Decay rate:       4.36e-06 rev/day^2
Epoch rev:            4185

Satellite: WO-18
Catalog number: 20441
Epoch time:      90317.43705645
Element set:     174
Inclination:       98.6937 deg
RA of node:        33.2808 deg
Eccentricity:    0.0013312
Arg of perigee:    79.8572 deg
Mean anomaly:     280.4117 deg
Mean motion:   14.29021291 rev/day
Decay rate:       4.39e-06 rev/day^2
Epoch rev:            4218

Satellite: LO-19
Catalog number: 20442
Epoch time:      90313.43195236
Element set:     174
Inclination:       98.6931 deg
RA of node:        29.3216 deg
Eccentricity:    0.0013556
Arg of perigee:    89.4544 deg
Mean anomaly:     270.8179 deg
Mean motion:   14.29088225 rev/day
Decay rate:       4.10e-06 rev/day^2
Epoch rev:            4161
```

```
/EX
SB ALL @ AMSAT $ORBS-321.M
Orbital Elements 321.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES
FROM N3FKV HEWITT, TX   NOVEMBER 17, 1990
TO ALL RADIO AMATEURS BT

Satellite: SALYUT 7
Catalog number: 13138
Epoch time:      90319.84856808
Element set:     646
Inclination:       51.5978 deg
RA of node:       247.6713 deg
Eccentricity:    0.0003959
Arg of perigee:   117.6844 deg
Mean anomaly:     242.4555 deg
Mean motion:   15.83227915 rev/day
Decay rate:     1.1545e-03 rev/day^2
Epoch rev:           48870

Satellite: MIR
Catalog number: 16609
Epoch time:      90320.59655971
Element set:     102
Inclination:       51.6121 deg
RA of node:       282.8442 deg
Eccentricity:    0.0033007
Arg of perigee:   261.3700 deg
Mean anomaly:      98.3684 deg
Mean motion:   15.60738566 rev/day
Decay rate:     3.8737e-04 rev/day^2
Epoch rev:           27190

Satellite: HUBBLE
Catalog number: 20580
Epoch time:      90312.61189795
Element set:     327
Inclination:       28.4715 deg
RA of node:        50.1860 deg
Eccentricity:    0.0006172
Arg of perigee:   184.0423 deg
Mean anomaly:     176.0412 deg
Mean motion:   14.85441208 rev/day
Decay rate:      4.882e-05 rev/day^2
Epoch rev:            2946

Satellite: BADR-1
Catalog number: 20685
Epoch time:      90313.00540081
Element set:     178
Inclination:       28.4873 deg
RA of node:       240.1860 deg
```

```
Eccentricity:    0.0273713
Arg of perigee:   323.0758 deg
Mean anomaly:      35.3074 deg
Mean motion:   15.65600162 rev/day
Decay rate:     5.7042e-03 rev/day^2
Epoch rev:            1768
/EX
SB ALL @ AMSAT $ORBS-321.W
Orbital Elements 321.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM N3FKV HEWITT, TX   NOVEMBER 17, 1990
TO ALL RADIO AMATEURS BT

Satellite: NOAA-9
Catalog number: 15427
Epoch time:      90313.24986686
Element set:     672
Inclination:       99.1738 deg
RA of node:       316.5070 deg
Eccentricity:    0.0014716
Arg of perigee:   325.4239 deg
Mean anomaly:      34.5972 deg
Mean motion:   14.12721516 rev/day
Decay rate:       3.35e-06 rev/day^2
Epoch rev:           30446

Satellite: NOAA-10
Catalog number: 16969
Epoch time:      90319.37514995
Element set:     523
Inclination:       98.5865 deg
RA of node:       343.8612 deg
Eccentricity:    0.0013119
Arg of perigee:   186.3812 deg
Mean anomaly:     173.7202 deg
Mean motion:   14.23796735 rev/day
Decay rate:       4.88e-06 rev/day^2
Epoch rev:           21612

Satellite: MET-2/17
Catalog number: 18820
Epoch time:      90308.26753517
Element set:     422
Inclination:       82.5428 deg
RA of node:       239.0875 deg
Eccentricity:    0.0015421
Arg of perigee:   295.0509 deg
Mean anomaly:      64.9051 deg
Mean motion:   13.84385969 rev/day
Decay rate:       2.25e-06 rev/day^2
Epoch rev:           13956
```

```
Satellite: MET-3/2
Catalog number: 19336
Epoch time:      90306.69468626
Element set:     671
Inclination:       82.5472 deg
RA of node:       179.4423 deg
Eccentric
Arg of perigee:   331.4392 deg
Mean anomaly:      28.5765 deg
Mean motion:   13.16904674 rev/day
Decay rate:       6.90e-07 rev/day^2
Epoch rev:           10918

Satellite: NOAA-11
Catalog number: 19531
Epoch time:      90320.55028907
Element set:     426
Inclination:       99.0016 deg
RA of node:       269.1652 deg
Eccentricity:    0.0011534
Arg of perigee:   211.3853 deg
Mean anomaly:     148.6610 deg
Mean motion:   14.11797128 rev/day
Decay rate:       8.33e-06 rev/day^2
Epoch rev:           11046

Satellite: MET-2/18
Catalog number: 19851
Epoch time:      90319.48146669
Element set:     376
Inclination:       82.5159 deg
RA of node:       107.9249 deg
Eccentricity:    0.0014236
Arg of perigee:   307.4120 deg
Mean anomaly:      52.5733 deg
Mean motion:   13.84024812 rev/day
Decay rate:       1.91e-06 rev/day^2
Epoch rev:            8649

Satellite: MET-3/3
Catalog number: 20305
Epoch time:      90319.90960172
Element set:     274
Inclination:       82.5523 deg
RA of node:       111.0091 deg
Eccentricity:    0.0015900
Arg of perigee:   313.1887 deg
Mean anomaly:      46.7931 deg
Mean motion:   13.15867306 rev/day
Decay rate:       4.20e-07 rev/day^2
Epoch rev:            5090

Satellite: MET-2/19
```

```
Catalog number: 20670
Epoch time:      90307.04575456
Element set:     121
Inclination:       82.5504 deg
RA of node:       178.4517 deg
Eccentricity:    0.0014597
Arg of perigee:   260.3393 deg
Mean anomaly:      99.6097 deg
Mean motion:   13.83874334 rev/day
Decay rate:       2.29e-06 rev/day^2
Epoch rev:            1772

Satellite: FY-1/2
Catalog number: 20788
Epoch time:      90312.59620739
Element set:      72
Inclination:       98.9351 deg
RA of node:       345.8083 deg
Eccentricity:    0.0010873
Arg of perigee:    80.5839 deg
Mean anomaly:     279.6299 deg
Mean motion:   14.00566807 rev/day
Decay rate:       2.77e-06 rev/day^2
Epoch rev:             932

Satellite: MET-2/20
Catalog number: 20826
Epoch time:      90307.03366330
Element set:      71
Inclination:       82.5257 deg
RA of node:       117.7520 deg
Eccentricity:    0.0012779
Arg of perigee:   148.8067 deg
Mean anomaly:     211.3853 deg
Mean motion:   13.83234528 rev/day
Decay rate:       9.70e-07 rev/day^2
Epoch rev:             494
/EX
```

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 1063565789600525578
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,9abb06b403f7144c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 02:37:45 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!
midway!ellis.uchicago.edu!gary
From: gary@ellis.uchicago.edu (gary  buchholz)
Newsgroups: rec.ham-radio
Subject: Kenwood 1 yr warranty on all equip. retroactive Oct 1,90
Message-ID: <1990Nov19.103745.29715@midway.uchicago.edu>
Date: 19 Nov 90 10:37:45 GMT
Sender: news@midway.uchicago.edu (News Administrator)
Organization: University of Chicago
Lines: 27
Posted: Mon Nov 19 11:37:45 1990
```

Caught this item in 73 mag. thought people would be interested...

Kenwood now has a new warranty program...

Effective Oct 1,1990 all new Kenwood transceiversm recievers, accessories, and options carry a full one-year warranty from the date of purchase.

New boxed quipment that has been on the shelf for a while may still have the old "90 day" warranty card. But, all you seem to need is a dated reciept showing that the equipment was purchased on or after Oct 1,90.

Also, my strategy has been to charge my "large" purchases on a VISA that offers the "extended warranty program". Some VISA and American Express will double manufacturers warranty up to a year. So, now your new Kenwood stuff could potentially have a 2 yr warranty.

Please read the fine print on your VISA extended warranty agreements. Some require that you "register" these purchases within 30 days to take advantage of extended plan.

Gary

```
--
Gary Buchholz / KE9ZM            Internet: gary@midway.uchicago.edu
University of Chicago            Packet:   KE9ZM@WB9MJN
Academic and Public Computing
1155 East 60'th St., Chicago, Ill.   (312) 702-7611
```

```
From -3842533688885443560
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,540af5175063ab3e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 04:31:10 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!apple!agate!ucbvax!PUCC.PRINCETON.EDU!
mail-support%cernvax.cern.ch
From: mail-support%cernvax.cern.ch@PUCC.PRINCETON.EDU
Newsgroups: rec.ham-radio
```

Subject: Warning: Failed mail to VMS host
Message-ID: <9011191231.AA17869@dxmint.cern.ch>
Date: 19 Nov 90 12:31:10 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 118
Posted: Mon Nov 19 13:31:10 1990

Your message to <@DxMINT.cern.ch:FIRE%VAXFI.decnet.cern.ch@CERNVAX> could not be delivered.
The error message was:

Deferred: %MAIL-E-OPENOUT, error openning as output

This message is equivalent to the DECnet-VAX error message:

-SYSTEM-F-EXDISKQUOTA, disk quota exceeded

The reason why your message could not be delivered is caused by the fact that your correspondants account has ran out of diskquota. Please contact your correspondant (by phone or otherwise) and tell him about this problem.

====== The start of Your original message ======

Info-Hams Digest   Thu, 15 Nov 90   Volume 90 : Issue 423

Today's Topics:

FLASH ANOTHER PRB-1 WIN!!
8mm. camcorders
CE0ZZZ on AO-13 and AO-10
Cheap Packet
DSP Article.
Extra Class ? (2 msgs)
G3ZCZ logbook program.
Globe Scout transmitter.
Impedance of 10'whip at 100 KHz
Internet-Packet
Move earthquake (2 msgs)
No code license & CW Bashing (2 msgs)
PBBS addresses that go with calls.
PRB-WON Game Point ; partial text of COURT ORDER # 2
PVC enclosed antennas...
RF attenuation through PVC
RFI from plasma displays

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 15 Nov 90 18:01:14 GMT
From: virga.rap.ucar.edu!elmore@handies.ucar.edu (Kim Elmore)
Subject: **FLASH** ANOTHER PRB-1 WIN!!
To: info-hams@ucsd.edu

AFTER NEARLY 4 YEARS OF LEGAL ACTIVITIES, CHIEF JUSTICE FINESILVER IN FEDERAL DISTRICT COURT IN DENVER, COLORADO HAS FOUND THE BOULDER COUNTY ORDINANCE RESTRICTING AMATEUR ANTENNAS TO 35 FEET IN HEIGHT TO BE

>>>>>>>>>>>>>>>>>>>>>>>>> FACIALLY INVALID!!! <<<<<<<<<<<<<<<<<<<<<<<<<<<<<<

THIS IS A MAJOR VICTORY FOR AMATEUR RADIO BECAUSE ALL OTHER ORDINANCES HAVE BEEN FOUND "INVALID AS APPLIED". IT WAS HANDED DOWN >THIS MORNING<! NQ0I (DAVID "DOC" EVANS) HAS BEEN FIGHTING FOR THE RIGHT TO ERECT AN ANTENNA TALLER THAN 35 FEET FOR NEARLY 4 YEARS. THESE EFFORTS HAVE FINALLY PAID OFF!

MORE DETAILS WILL FOLLOW, WITH A POSTING OF THE 11 PAGE JUDGEMENT TO BE POSTED HERE ON USENET!

```
*******************************************************************************
         Antenna-raising party to be announced!!!
*******************************************************************************

                       Kim Elmore
                       N5OP, PP ASEL/Glider 2232456
*  _._. __._ _.. _.._ _.. . _. ..... ___ .__. _. ..... ___ .__. _.. _.._ _._  *
*   UNIX: ever notice how only the name is in upper-case?                     *
*   "Look at all these wires... Why do they call it "wireless"?               *
*  _._. __._ _.. _.._ _.. . _. ..... ___ .__. _. ..... ___ .__. _.. _.._ _._  *
Replies to: elmore@virga.rap.ucar.edu (wires)
        44.28.0.67 n5op@n5op.ampr.org (radio)
/\/\/\/\/\/\\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
```

Date: 15 Nov 90 01:31:04 GMT
From:
 news.cs.indiana.edu!news.nd.edu!cartan!ndmath!nstar!w8grt!jim.grubs@rutgers.edu
  (Jim Grubs)
Subject: 8mm. camcorders
To: info-hams@ucsd.edu

> From: lrj@ishtar.cs.cornell.edu (Lew Jansen)
> Date: 13 Nov 90 20:23:23 GMT
> Organization: Lab of Atomic and Solid State Physics, Cornell University
> Message-ID: <48293@cornell.UUCP>
> Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,

> rec.ham-radio
>
>
> > [lots of stuff deleted...]
>
>   What does all this have to do with rec.radio.shrotwave,
> rec.ham-radio.packet, rec.ham-radio, and rec.ham-radio.swap???

Well, I'm not convinced that it has no relevance to amateur TV and/or Novice training tapes, but in any event my question has been answered, and I'm grateful to all who offered suggestions.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

Date: 14 Nov 90 16:15:08 GMT

From -8061206961921737233
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c3bed47d5341f80
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 05:17:14 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!cs.umn.edu!msi.umn.edu!src.honeywell.com!sol.ctr.columbia.edu!caen!sdd.hp.com!hplabs!hpl-opus!hpcc05!hpcuhb!hpsqf!hpqmola!hpqmole!dstock
From: dstock@hpqmole.sqf.hp.com (David Stockton)
Newsgroups: rec.ham-radio
Subject: Re: Is my IC-745 Doomed?
Message-ID: <410008@hpqmole.sqf.hp.com>
Date: 19 Nov 90 13:17:14 GMT
References: <706@npdiss1.StPaul.NCR.COM>
Organization: HP,Queensferry Microwave UK
Lines: 32
Posted: Mon Nov 19 14:17:14 1990

Thanks for the info, Bob.

I must tender my most humble apologies to the ARRL. Your note was published in QST.

I'm somewhat disappointed that the various reviewers of equipment have not covered this aspect of some pieces of equipment. The RADCOM reviews combine a set of thorough measurements of the equipment's performance - compared with its specifications with a description of its use. There is no opinion of the design of the equipment, or of its life expectancy given. The UK commercial ham-radio press usually performs few or no measurements and content themselves with quoting the specifications and describing its use.

The RSGB creates the impression that it is guarding its advertising revenue by always seeming to recommend the equipment- you have to read carefully to find out what for !

Calls for an investigation into the pricing of equipment have been stone-walled over the years. G's pay roughly 1000 pounds sterling for a rig with <$1000 US price. With $1.90 ish exchange rates, some people want to know who's getting rich :-)

PS Readers of the ARRL subs increase string may be interested in the last copy of RADCOM which contained the announcement of an increase in RSGB subscriptions to 30 POUNDS (about $57) :-

_ never expected a reply from the source of that small but important note

amazed GM4ZNX !

From -4465228003250714999
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,63db1177ce4a4be8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 06:13:00 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!agate!ucbvax!STL-08SIMA.ARMY.MIL!asa
From: asa@STL-08SIMA.ARMY.MIL (Will Martin on 8000)
Newsgroups: rec.ham-radio
Subject: New World of Radio Source
Message-ID: <9011191411.AA00422@ucsd.edu>
Date: 19 Nov 90 14:13:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 21
Posted: Mon Nov 19 15:13:00 1990

There will be a new source for Glenn Hauser's "World of Radio" program, beginning next weekend (Nov. 25-26, 1990):

WWCR, Nashville, TN on 7520 kHz, UTC Mondays at 0130 (That is 7:30 PM Central Time).

This should offer an improved signal compared with the problems that have been affecting WRNO in recent months. (Does anyone know the source of that fax [?] transmission that is constantly interfering with WRNO on 7355 kHz? Would someone blow up that interfering transmitter, please? :-)

Glenn hopes that another broadcast can be added on WWCR during the day, when it is on 15690 kHz, but there is nothing definite yet on that.

By the way, due to some strange mailer situation, I have not received any

SWL or ham list mail for some days now. I think this message will get out to the lists OK, though. But I may not see any followups until the list mail starts flowing in here again.

Regards, Will Martin
wmartin@st-louis-emh2.army.mil

```
From -5790891153218133405
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3309c605775fb4d1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,dd8af4ce6a15f2bf,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,dd8af4ce6a15f2bf,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114aac,dd8af4ce6a15f2bf,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-11-19 07:26:25 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!mintaka!think.com!
sdd.hp.com!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!
news.cs.indiana.edu!news.nd.edu!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-
radio
Subject: Re: Preliminary call for discussion: rec.ham-radio.legal
Message-ID: <545.274803B9@w8grt.fidonet.org>
Date: 19 Nov 90 15:26:25 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 31
Xref: gmdzi rec.radio.shortwave:2772 rec.ham-radio.swap:805 rec.ham-
radio.packet:3072 rec.ham-radio:17049
Posted: Mon Nov 19 16:26:25 1990
```

```
 > From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
 > Date: 18 Nov 90 19:35:01 GMT
 > Organization: University of Illinois at Urbana
 > Message-ID: <1990Nov18.193501.13516@ux1.cso.uiuc.edu>
 > Newsgroups: rec.ham-radio
 >
 > jmaynard@thesis1.hsch.utexas.edu (Jay Maynard) writes:
 >
 > >If no serious objections arise in the next week, I intend to start a formal
 > >Call for Discussion in news.groups in a week or so. Let's kick it around,
 > >and see if we can reach a consensus. I'd like to see a finished proposal
 > >ready to go before the news.groupies have a chance to flame it, and hashing
 > >out the issues here will improve the group's chance for success.
 >
 > I'm all for it.  But you'd expect that.
```

Me, too, but what good is it if everyone does multiple posts? With RARE exceptions the only time I post an article in two or more newsgroups is in reply to someone else who did (and I'm therefore uncertain which one he's actually reading). But some people do it habitually. That would tend to defeat the purpose.

When we say rec.ham-radio.legal, are we including tower cases, etc., or only FCC regulatory matters? If the latter, then rec.ham-radio.fcc might be more descriptive.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -2196037263544387447
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,34b4ee53a3bd16e8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8a745bc6fc988d80,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,8a745bc6fc988d80,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,8a745bc6fc988d80,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-19 07:30:20 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!mintaka!think.com!sdd.hp.com!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!news.cs.indiana.edu!news.nd.edu!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: The Big One (was Move earthquake)
Message-ID: <546.274803BE@w8grt.fidonet.org>
Date: 19 Nov 90 15:30:20 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 23
Xref: gmdzi rec.radio.shortwave:2774 rec.ham-radio.swap:807 rec.ham-radio.packet:3074 rec.ham-radio:17051
Posted: Mon Nov 19 16:30:20 1990

> From: tad@ssc.UUCP (Tad Cook)
> Date: 18 Nov 90 08:40:27 GMT
> Organization: very little
> Message-ID: <546@ssc.UUCP>
> Newsgroups: rec.ham-radio
>
> In article <59127@microsoft.UUCP>, mikemr@microsoft.UUCP (Michael MRAZ)
> writes:
> > I saw that ham plate in the earthquake show and looked it up in an
> > earlier callbook. The guy was in there, in one of the L.A.
> > suburbs. Not a good move on the producer's part.
>

 >
 > Why? What's the problem?

Right. Guys in Chicago in the Good Old Days would kill to get Gould to slip
their ham callsigns into the Dick Tracy comic strip, which he did regularly.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -2551246832268263313
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 07:40:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpcc05!aspen!laubach
From: laubach@aspen.IAG.HP.COM (Mark Laubach)
Newsgroups: rec.ham-radio
Subject: Re: Re: Internet-Packet Reply (LONG!)
Message-ID: <3080013@aspen.IAG.HP.COM>
Date: 19 Nov 90 15:40:48 GMT
References: <1990Nov16.173328.16703@nebulus.ampr.org>
Organization: HP Information Architecture Group - Cupertino, CA
Lines: 7
Posted: Mon Nov 19 16:40:48 1990

Also, you must make *very* sure that you do not pass any mail that may
be regarded as business communinications. There's a good description
of what this means in The FCC Rule Book available from the ARRL.

Mark,
N3BMN

From -2993383349623447261
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,540af5175063ab3e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 08:16:25 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!ucsd!
ucbvax!PUCC.PRINCETON.EDU!mail-support%cernvax.cern.ch
From: mail-support%cernvax.cern.ch@PUCC.PRINCETON.EDU
Newsgroups: rec.ham-radio
Subject: Warning: Failed mail to VMS host
Message-ID: <9011191616.AA09205@dxmint.cern.ch>
Date: 19 Nov 90 16:16:25 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 118

Posted: Mon Nov 19 17:16:25 1990

Your message to <@DxMINT.cern.ch:FIRE%VAXFI.decnet.cern.ch@CERNVAX> could not be delivered.
The error message was:

Deferred: %MAIL-E-OPENOUT, error openning as output

This message is equivalent to the DECnet-VAX error message:

-SYSTEM-F-EXDISKQUOTA, disk quota exceeded

The reason why your message could not be delivered is caused by the fact that your correspondants account has ran out of diskquota. Please contact your correspondant (by phone or otherwise) and tell him about this problem.

====== The start of Your original message ======

Info-Hams Digest   Fri, 16 Nov 90   Volume 90 : Issue 424

Today's Topics:
"Talking houses", Infra-red broadcasting
8mm. camcorders
DSPer's Work Bench ? (2 msgs)
Homebrew UHF SWR meter
Impedance of 10'whip at 100 KHz
Is my IC-745 Doomed?
Marine Band radio Frequencies?
No code license & CW Bashing (3 msgs)
packet radio overview
Packet Test - Volunteers wanted
PBBS addresses that go with calls.
re Code & Other requirements
RFI from plasma displays
Usenet UnNet-be there! / 24AT & HF mobile antennas /Intense Mag Mounts
Warning: Failed mail to VMS host

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: Thu, 15 Nov 90 18:09 CDT
From: <BA01%SWTEXAS.BITNET@ricevm1.rice.edu>

Subject: "Talking houses", Infra-red broadcasting
To: info-hams@ucsd.edu

Hi folks. I ran into some different broadcast technologies recently that you might find interesting.

1. "Talking Houses"

Date: 15 Nov 90 15:30:38 GMT
From:
att!news.cs.indiana.edu!news.nd.edu!cartan!ndmath!nstar!w8grt!jim.grubs@ucbvax.Berkeley.EDU (Jim Grubs)
Subject: 8mm. camcorders
To: info-hams@ucsd.edu

> From: gary@ke4zv.UUCP (Gary Coffman)
> Date: 14 Nov 90 16:55:40 GMT
> Organization: Gannett Technologies Group
> Message-ID: <1532@ke4zv.UUCP>
> Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,
> rec.ham-radio
>
> A comment by someone who uses cameras professionally. In broadcast news
> gathering, we find that the home cameras are too small and light to be
> used properly.

Hmm, that's a point I hadn't considered. But when you're stalking a toddler, it's rather like combat photography. The amazing thing is you get it done at all. [:-)

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

Date: 14 Nov 90 22:06:25 GMT
From: chiton!rec@ucsd.edu (Richard Currier)
Subject: DSPer's Work Bench ?
To: info-hams@ucsd.edu

In article <22628@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>
>DSP in a nutshell? No, not even. But maybe I've whetted your curiosity?
>Check out the library! Even the Handbook has some info on DSP.

A good book on the math behind what Brian has described is "Signals and Systems", by Oppenheim and Willsky. Prentice Hall. If you really want your mind bent "Digital Signal Processing", by Oppenheim and Schafer, Prentice Hall, has been the basic text for the past decade. There are newer texts out today and they are coming out faster now that the field is heating up. Be prepared for some heavy math-o-matiks if you get into the theory but as hardware comes on line cookbook solutions for the Amateur will become more available.

AA6PN

--
richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From 693249612760795236
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3309c605775fb4d1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 09:02:24 PST
Path: gmdzi!unido!mcsun!ukc!acorn!agodwin
From: agodwin@acorn.co.uk (Adrian Godwin)
Newsgroups: rec.ham-radio
Subject: Re: Preliminary call for discussion: rec.ham-radio.legal
Message-ID: <4099@acorn.co.uk>
Date: 19 Nov 90 17:02:24 GMT
References: <4330@lib.tmc.edu>
Organization: Acorn Computers Ltd, Cambridge, UK
Lines: 18
Posted: Mon Nov 19 18:02:24 1990

In article <4330@lib.tmc.edu> jmaynard@thesis1.hsch.utexas.edu (Jay Maynard) writes:

>This is a preliminary call for discussion for a new group, to be called
>rec.ham-radio.legal. The intent is that all discussions about the myriad
>legalities surrounding ham radio (pizza on the autopatch, out-of-band
>radio mods, code/no-code, ad nauseam) be moved off there, while rec.ham-radio
>would continue to carry the more general stuff.

I'm completely in favour of getting the unproductive stuff out, but I feel a 'serious' topic name will attract enough useful stuff (such as the recent postings about US covenant restrictions) to warrant reading - so I'll still end up wading through pages of flames.

What about alt.religion.ham-radio as an alternative (or even additional) group ?

-adrian, G7HWN.
--

Adrian Godwin   (agodwin@acorn.co.uk)

From -4531687441268205255
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9abb06b403f7144c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 09:12:03 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!decwrl!infopiz!lupine!hansen!phil
From: phil@hansen.Berkeley.EDU (Phil Graham)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood 1 yr warranty on all equip. retroactive Oct 1,90
Message-ID: <2761@lupine.NCD.COM>
Date: 19 Nov 90 17:12:03 GMT
References: <1990Nov19.103745.29715@midway.uchicago.edu>
Sender: news@NCD.COM
Reply-To: phil@hansen.Berkeley.EDU (Phil Graham)
Lines: 32
Posted: Mon Nov 19 18:12:03 1990

In article <1990Nov19.103745.29715@midway.uchicago.edu>,
gary@ellis.uchicago.edu (gary buchholz) writes:
|> Caught this item in 73 mag. thought people would be interested...
|>
|> Kenwood now has a new warranty program...
|>
|> Effective Oct 1,1990 all new Kenwood transceiversm recievers, accessories,
|> and options carry a full one-year warranty from the date of purchase.
|>
|> New boxed quipment that has been on the shelf for a while may still have
|> the old "90 day" warranty card. But, all you seem to need is a dated
|> reciept showing that the equipment was purchased on or after Oct 1,90.
|>
|> Also, my strategy has been to charge my "large" purchases on a VISA that
|> offers the "extended warranty program". Some VISA and American Express
|> will double manufacturers warranty up to a year. So, now your new
|> Kenwood stuff could potentially have a 2 yr warranty.
|>
|> Please read the fine print on your VISA extended warranty agreements.
|> Some require that you "register" these purchases within 30 days to
|> take advantage of extended plan.

Smart move Gary!

I have been using my American Express for just this reason. I called
American Express and no registration is required. My 950 has a 2 year
warranty!
Not bad for a small annual fee...

Phil
KJ6NN

From 5767606266202599045

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,559663748d116940
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 10:30:35 PST
Path: gmdzi!unido!mcsun!uunet!norand!lusere
From: lusere@norand.UUCP (Ron Luse)
Newsgroups: rec.ham-radio
Subject: Re: Name that tune.
Summary: Manfred Mann, Stranded in IOWA
Message-ID: <35@norand.UUCP>
Date: 19 Nov 90 18:30:35 GMT
References: <1990Nov12.122754.42251@cc.usu.edu>
Organization: Norand Data Systems, Cedar Rapids, IA
Lines: 34
Posted: Mon Nov 19 19:30:35 1990

In article <1990Nov12.122754.42251@cc.usu.edu>, slp9m@cc.usu.edu writes:
> Several years ago I heard an unidentified piece of music which piqued my
> curiosity and I since then I have wondered about just who it can be
> attributed to as well as any background on it.  Let's see what those of you
[Stuff deleted]
> My memory of the lyrics is sketchy, but I do remember that the word
> "stranded" is used heavily, probably more frequently than any other.
> Another line I recall is "better get the breakdown squad out, to get me
> rollin' on", or something like that.
>
> Does anyone on the net recognize this piece, know its name or who the
> artist is?  If so, can anyone offer any further background.  Its been nearly
> eight years now and I still don't have a clue.
>
> 73,    Scott
>
> #        Scott E. Parker   WA7VYJ         # INTERNET: SLP9M@cc.usu.edu     #

But of course! 'Stranded in Iowa', by Manfred Mann('s Earth Band). I do not
know which album that this track is on. It was a fairly popular request
on the local rock FM plant in Des Moines while I was at Ames attending
Iowa State. I had heard it played in Illinois sometime in the late 70's,
so that gives you some idea of the vintage.

I have no idea what the story is on this track, whether the group had
an ugly lay-over in Iowa, or just through a dart on the map. I have
even less insight as to why it has the morse and radio sounds. Perhaps
someone with the album would have some background.

Interesting to have that tidbit dredged up from the past.

-- Ron Luse, KD9KX --
Norand Data Systems, Cedar Rapids, Iowa
UUCP: ..!uunet!norand!ron  HAMBBS: kd9kx @ wa0rjt.ia


From -1115706201703012733
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,34b4ee53a3bd16e8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 11:26:05 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!mips!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: The Big One (was Move earthquake)
Message-ID: <3037@wyse.wyse.com>
Date: 19 Nov 90 19:26:05 GMT
References: <59127@microsoft.UUCP>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 12
Posted: Mon Nov 19 20:26:05 1990

In article <59127@microsoft.UUCP> mikemr@microsoft.UUCP (Michael MRAZ) writes:
>I saw that ham plate in the earthquake show and looked it up in an
>earlier callbook. The guy was in there, in one of the L.A.
>suburbs. Not a good move on the producer's part.

I don't understand this comment...if anything it adds another aspect
of realism to the movie(which could use all the help it could get)
You'd EXPECT to see hams manning the RACES equipment at the LA
city EOC! Where does he leave his car?

Steve KA6S

From 4370405418160098696
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2077bf73e5a5f90a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 12:13:09 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Derek Wills)
Newsgroups: rec.ham-radio
Subject: WAZ award
Message-ID: <39958@ut-emx.uucp>
Date: 19 Nov 90 20:13:09 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 27
Posted: Mon Nov 19 21:13:09 1990

I posted something a while back about the sexist wording on the WAZ
certificates, and said that I would write to the current award manager,
K1MEM. I just had a letter from him, and he says that when the current
stock of certificates is used, they will be re-wording the next batch.

I was disappointed that my posting had such a negative reception here.

Most of the responses were "his includes his and hers", "how trivial" and so on. The point I was trying to make was a deeper one than the wording on a particular certificate. We have people on the net who insist that we need to increase the number of hams by a large factor, and yet most of the current hams seem to have this pro-male attitude about the hobby. Without changing the current licensing structure, we would roughly double the number of hams if we recruited one female ham for each male. I never have to use male-only parts of my anatomy to operate the radio on any mode (experiences to the contrary should be sent to rec.sex or wherever), and don't understand why there aren't more female hams (well, I do, it's connected with the "girls can't and shouldn't do technical things, they should stay at home sewing" attitude that is still with us). So perhaps the responses to the posting were what I should have expected. I think it's a pretty sad situation.

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From 2114402149817467062
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84459ec01b6ab377
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 12:13:39 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!rutgers!att!cbfsb!cbnewsc!tedk
From: tedk@cbnewsc.att.com (ted.g.kekatos)
Newsgroups: rec.ham-radio
Subject: Re: Amtrak odessy coming....
Summary: 2m antenna idea
Message-ID: <1990Nov19.201339.12049@cbnewsc.att.com>
Date: 19 Nov 90 20:13:39 GMT
References: <9011162250.AA01986@ucsd.edu> <61552@unix.cis.pitt.edu>
Organization: AT&T Bell Laboratories - Indian Hill - Naperville, IL
Lines: 27
Posted: Mon Nov 19 21:13:39 1990

In article <61552@unix.cis.pitt.edu>, hpb@unix.cis.pitt.edu (Harry P Bloomberg) writes:

> In article <9011162250.AA01986@ucsd.edu> PERRYR@WABASH.BITNET (GWYFFD) writes:
> >This Christmas, I am going home via Amtrak (from Indiana to New York).
>   I purchased a collapsable 1/4 wave antenna and clamped a large suction cup
> to it (can be found in any decent office supply store). I then attached
> a 19 inch long counterpoise to the clamp to act as an artificial ground. The
> whole contracption is then suctioned to the bus window.

I constructed a 1/4 wave 2m antenna from a cheap TV dipole. I used the type that comes with the TV, the type that attaches to the back of the TV. The whips are telescoping, and can be swiveled 180 degrees. I removed the

300 ohm twin-lead, and mounted a BNC connector directly to the mounting screws for the two whips. I carry a 6 foot length of RG-58 with BNC at both ends. I have attached a 19 inch length of fishing line to the base. I use this for measuring the length of the extended whips. I use clear plastic suction cups to attach the whole thing to a window. Only 2 suction cups will do just fine.

Ted G. Kekatos   Amateur Radio N9IXE
Packet: N9IXE @ WB9MJN.IL.USA.NA
INTERNET: tedk@i88.isc.com
UUCP: ..!att!ihlpl!tedk   (708) 979-0804
AT&T Bell Laboratories, Indian Hill, IH-6T-206
2000 North Naperville Road.
Naperville, Illinois. 60566 USA

```
From -4106707679555989252
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f7d50eea31a7753
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9f7d50eea31a7753
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,9f7d50eea31a7753
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,9f7d50eea31a7753
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-19 13:14:52 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!mintaka!think.com!
zaphod.mps.ohio-state.edu!wuarchive!udel!rochester!ray
From: ray@cs.rochester.edu (Ray Frank)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-
radio
Subject: Re: 8mm. camcorders
Message-ID: <1990Nov19.211452.171@cs.rochester.edu>
Date: 19 Nov 90 21:14:52 GMT
References: <405.273E8DF4@w8grt.uucp> <YETSKO.90Nov13083828@interlan.interlan.com>
<8050@dog.ee.lbl.gov>
Reply-To: ray@cs.rochester.edu (Ray Frank)
Organization: University of Rochester Computer Science Dept
Lines: 11
Xref: gmdzi rec.radio.shortwave:2756 rec.ham-radio.swap:801 rec.ham-
radio.packet:3068 rec.ham-radio:17014
Posted: Mon Nov 19 22:14:52 1990
```

Some other drawbacks are shorter recording time for the 8mm camcorders due to the smaller tapes.
Also, if you want to play 8mm tapes back through your VCR using VHS tapes, you must record the 8mm onto VHS tapes. This naturally reduces the quality of the final playback due to the addition of noise.
I think the rule of thumb is that every cope of a copy will have twice the

noise in it so that a copy of the orginal will have twice the noise of the orginal making it look much grainer or fuzzy.

ray

```
From 4957166804027942397
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c6abcff16c630e5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 13:59:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
snorkelwacker.mit.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1916@n8emr.UUCP>
Date: 26 Nov 90 21:59:48 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 30
Posted: Mon Nov 26 22:59:48 1990

Return-Path: <n8emr!W8PH>
Message-Id: <m0idYev-0000OkC@n8emr.uucp>
[Date: Sun, 25 Nov 90 21:38 EST
[To: <ALL@ARRL>
R:901126/0108z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:13406 Z:43232
R:901126/0027 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:54240 Z:43103
R:901126/0020 @:WB8JIB.#DAY.OH.USA.NA Yellow Springs #:11033 Z:45387
R:901126/0020 @:NC8Q.#DAY.OH.USA.NA Dayton #:13208 Z:45419
```

SPECIAL BULLETIN 12 ARLX012
FROM ARRL HEADQUARTERS
NEWINGTON CT NOVEMBER 25, 1990
TO ALL RADIO AMATEURS

AMSAT-OSCAR-21 LAUNCH IMMINENT.

AMSAT-DL OFFICIALS ARE EXPECTING A NOVEMBER 29, 1990, LAUNCH OF RM1/RUDAK-2, GIVE OR TAKE ONE DAY. LISTEN FOR A LAUNCH NET FROM GERMANY OR THE SOVIET UNION ON 14.280 MHZ BETWEEN NOVEMBER 28-30TH. AFTER THE LAUNCH OF RADIO M-1 (RM1), THIS NEW OSCAR WILL ALSO BE CHRISTENED AMSAT-OSCAR-21 (AO-21) TO EMPHASIS THAT IT WAS DESIGNED AND BUILT BY RADIO AMATEURS FOR THE BETTERMENT OF COMMUNICATIONS BETWEEN RADIO AMATEURS WORLDWIDE.

STAY TUNED TO W1AW, AMSAT NETS AND OTHER ANS SOURCES FOR THE LATEST INFORMATION CONCERNING AO-21.

W1AW THANKS ALL AT AMSAT HQ, THE AMSAT NEWS SERVICE AND DB2OS FOR THIS BULLETIN INFORMATION.

From 8356733306662896200
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6c90deac7bcfbe1b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 14:11:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!xanadu!jeff
From: jeff@xanadu.com (Jeff Crilly N6ZFX)
Newsgroups: rec.ham-radio
Subject: ic751a vs ic751 microcode problems
Message-ID: <1990Nov26.221138.2724@xanadu.com>
Date: 26 Nov 90 22:11:38 GMT
Organization: AMIX Corporation
Lines: 14
Posted: Mon Nov 26 23:11:38 1990

>Does the ic751a have the battery backed-up RAM microcode as does the
>ic751?

Icom has fixed this problem in the 751a. Recently I went looking to buy
a new hf radio. The 751a was considered, and in Icom's sales literature
I noticed that they explicitly stated that the microprocessor code is
"permanent". The 751a was a little pricey so I bought the TS-440 instead.
Funny thing; I was asking my brother for his opinion, and he brought up
the issue about battery backed program code. I didn't know about it until
then, and assumed that all the radios had their code in eprom.

Jeff Crilly (N6ZFX)
AMIX Corporation 2345 Yale Street Palo Alto, CA 94306
jeff@amix.com, {uunet,sun}!markets!jeff, N6ZFX@N6IIU.#NOCAL.CA.USA

From 4973502162224666913
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7ae94026b10ab231
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,20da8fa4b34a0b94,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f5cc0,20da8fa4b34a0b94,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-11-26 15:08:02 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!bu.edu!rpi!uupsi!njin!princeton!kb2ear!n2aam
From: n2aam@kb2ear.UUCP (Dave Marthouse N2AAM)
Newsgroups: rec.ham-radio,rec.radio.shortwave,sci.space
Subject: Request for information on the SARSAT satellites
Keywords: SARSAT satellites elt search and rescue
Message-ID: <673@kb2ear.UUCP>
Date: 26 Nov 90 10:29:46 GMT
Organization: KB2EAR Public Access UN*X, Kendall Park NJ
Lines: 24

Xref: gmdzi rec.ham-radio:17160 rec.radio.shortwave:2858 sci.space:17771
Posted: Mon Nov 26 11:29:46 1990

I am looking for any information about the SARSAT search and rescue

satellites. I know that they are low orbiting birds that listen to 121.5 and

243.0mhz. They are listening for elt signals. I know that they, with a ground

station can pinpoint downed aircraft by listening to the elt. What is the

downlink frequency used by SARSAT? What form of modulation does it use? Is

any onboard data processing taking place on the birds? If so what kind? What

kind of equipment is used at the ground stations? What type of signals do the

birds send to the ground? Are they the output of the rcprs listening on 121.5

and 243.0? Or is it sum kind of data from an onboard computer? Any information

would be appreciated.

Dave Marthouse

n2aam@kb2ear.UUCP

From 2293138488662440760
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10890c03d008d0ba,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 18:47:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!sdd.hp.com!hplabs!hpfcso!hpfcdj!keith
From: keith@hpfcdj.HP.COM (John Keith)
Newsgroups: rec.ham-radio
Subject: Re: Cheap Loop Antenna for HF
Message-ID: <18230049@hpfcdj.HP.COM>
Date: 27 Nov 90 02:47:08 GMT
References: <7880371@hpfcdc.HP.COM>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 7
Posted: Tue Nov 27 03:47:08 1990

I've been running a 80M full wave loop (inspired by the same QST article) for about a year now and while I really don't have a lot of data (used only once a week for a sched on 20M) it has been a very satisfactory antenna for me. Mine is very close to a square with two ends supported by the far ends of the house and the other two by poles in the back yard. Height ranges from 25' to 20'.

John Keith, KD0GD

From 4407926542562326050
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,991c2a17de9065a9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 00:51:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: MAJOR SOLAR FLARE ALERT
Message-ID: <901127015133.2040322d@HG.ULeth.CA>
Date: 27 Nov 90 08:51:33 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 92
Posted: Tue Nov 27 09:51:33 1990

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Please Note:

There has been quite an influx of requests for the document "Understanding Solar Terrestrial Reports." To all those who sent in requests, please note that this document is still being prepared and is not yet ready for circulation. It will be sent to each of you as soon as it is finished. Please be patient.

To all others who are unaware, this fairly extensive document will aid in explaining the reports, alerts and warnings which are posted over the networks. It will also discuss techniques and procedures which can be used to extract information potentially useful to your field of interest. The document concentrates most heavily on radio communications, although there is relevance and reference to other fields of interest (ie. astronomical observations, telecommunications, electrical power generation, atmospheric circulation, etc.). If interested, send requests for this document to "std_oler@hg.uleth.ca". It will be e-mailed to all who request it, when completed.

/\

-- MAJOR SOLAR FLARE ALERT --

NOVEMBER 27, 1990

Potential Impact Forecast
Flare Event Summary

MAJOR ENERGETIC EVENT SUMMARY

The first major solar flare since 20 October erupted from departing Region 6368 (N18W90) at 23:17 UT on 26 November. The flare attained an X-ray class M7.5 rating, but remained only a category 1N optical flare. It began at 23:12 UT, peaked in intensity at 23:17 UT and ended at 23:29 UT. This impulsive flare lasted 17 minutes, which is rather short for a flare of this x-ray intensity. Some minor discrete radio emissions were detected, along with a suspected minor intensity SWF/SID along the sunlit portions of the hemisphere.

Region 6368 will cross the west limb late on 27 November and will not reappear (assuming it does not die) until near 11 December. It continues to sport a complex Beta-Gamma-Delta configuration with persisting magnetic complexity in the trailing spot group, which has become quite difficult to resolve optically.

Region 6377 (S04W29 at 24:00 UT on 26 November) continues to grow in size and has produced eight subflares over the past 24 hours. It is expected to be a frequent source for C-class flares and subflares with a risk for occassional (albeit, less frequent) M-class flaring.

The Space Environment Services Center has restored the potential PCA alert status to a condition GREEN level, with the passage of Region 6368 beyond the west limb. Flare probabilities for the next 72 hours (ending 29 November) follow:

Flare Type	Probability 24hr	48hr	72hr
Class M Flare	60%	40%	40%
Class X Flare	10%	02%	02%
Proton Flare	02%	02%	01%

Overall flare activity will subside as Region 6368 crosses the west limb. Region 6377 will continue to provide frequent C-class flares and subflares, although M-class flare activity should drop noticably over the next three days, provided no new hot spots rotate into view on the eastern limb.

POTENTIAL TERRESTRIAL IMPACT FORECAST

Todays major solar flare is not expected to have a terrestrial impact. It was too distant (on the west limb) and was not physically large enough to affect the earth from our position. Hence, the predictions and charts which were posted in the Solar Terrestrial Forecast and Review still apply and are not expected to be affected by this major flare.

Geomagnetic and auroral activity has increased as expected over the past 24 hours. Currently, unsettled conditions are in progress with occassional brief bursts of active conditions. Auroral activity has remained confined to the auroral regions, but has degraded signal quality over many middle latitude

regions. Conditions are expected to return to quiet to unsettled levels by
29 November, in close agreement with the prediction models previously posted.

** End of Report **

From 4869755585060576235
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c95c3d194689806,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 02:41:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!WABASH.BITNET!PERRYR
From: PERRYR@WABASH.BITNET (GWYFFD)
Newsgroups: rec.ham-radio
Subject: Amtrak continued.....
Message-ID: <9011271041.AA29364@ucsd.edu>
Date: 27 Nov 90 10:41:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 22
Posted: Tue Nov 27 11:41:00 1990

Thanks for all the answers I got to my post, guys (and gals). I think that my train mobile op is shaping up to look pretty good. I've got 110 VAC available (from the outlet), but I'll probably be using battery and switching them back and forth. As for an antenna, I think at the moment I will try something along the lines of what the first STS amateur experiment did (dipole made out of 14 gauge taped to the window, running into coax terminating in a BNC). That seems fairly foolproof. 19 inches seems to be the going rate on length, so I should find it all fairly easy to fabricate. This antenna seems to be the best comprimise I could find tween "easy to carry" and "best signal". Someone mentioned a j-pole somewhere on here, but my mailer chewed it up on me. Could someone send that to me again? (privately, please).

Well,back to the books.

(as everyone breathes a sigh of relief after reading a post that had no political statement in it)

73's for now,

Todd Perry, KB2JAC/9

PERRYR@WABASH.Bitnet

From 1324995586378568735
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d4a90e2d4ed2da1b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 05:37:32 PST

Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!LONEX.RADC.AF.MIL!szarekw
From: szarekw@LONEX.RADC.AF.MIL (William J. Szarek)
Newsgroups: rec.ham-radio
Subject: Radar Detectors (was another look . . .)
Message-ID: <9011271337.AA02910@lonexc.radc.af.mil>
Date: 27 Nov 90 13:37:32 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 33
Posted: Tue Nov 27 14:37:32 1990

Joe, (and other outlaws who own those dangerous radar detectors)

I was recently stopped by a State Police in the state of CT. I was not speeding (60 mph max).

The officer said that he noticed "lights" flashing when he hit me with the radar and he wanted to know if I had a radar detector and did I know that they were illegal in CT.

I explained to the officer that I did indeed have a radar detector and that I did know that they were illegal, however . . .
I wasn't using the radar detector to allow me to exceed the speed limit as he noted I wasn't speeding. I explained that I am an amateur radio operator and simply monitor the portion of the rf spectrum used by law enforcement radar so that when such a signal is detected I refrain from transmitting. Even though my equipment is carefully kept within emission standards there may be a chance that the law enforcement equipment might be sensitive to one or more of my transmissions and I wouldn't want to make their job of law enforcement any more difficult than it already is.

The officer thanked me for my considerations, smiled, asked a few more questions. and we parted company (still friends).

Please note that I don't advocate violations of the law,
Nor would I hide behind my Ham ticked if I was quilty.
I simply wasn't speeding. Please don't ever ever ever use this reason for radar detector possession if you have been clocked at above the posted speed limit. Such an irresponsible action would only serve to bring discredit on the amateur community.

73 es gl
buzz
WM1W

From 4537712251027541686
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28c3893db0083e24
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 06:04:14 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!unmvax!uokmax!skaggs

From: skaggs@nsslsun.gcn.uoknor.edu (Gary Skaggs)
Newsgroups: rec.ham-radio
Subject: Re: Super Repeaters
Message-ID: <1990Nov27.140414.31401@uokmax.ecn.uoknor.edu>
Date: 27 Nov 90 14:04:14 GMT
References: <1219@west.West.Sun.COM>
Sender: news@uokmax.ecn.uoknor.edu (Nets)
Organization: National Severe Storms Laboratory
Lines: 30
Posted: Tue Nov 27 15:04:14 1990

In article <1219@west.West.Sun.COM> flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242) writes:
>
>As a point of trivia, I've been wondering which single ham repeater has
>the largest coverage area accessable with ordinary equipment. This
>question includes all repeaters, but is limited to the area served by
>a single machine (not the area served by multiple linked machines).
>
>For example, the Mt. Lemmon Repeater, 147.15, is one of the farthest
>reaching that I can think of. It is located at a level of 9000+
>feet and has an extremely high HAAT (Height Above Average Terrain).

>Inquiring minds want to know... :-)
>
>| Fred Lloyd AA7BQ   flloyd@West.sun.com |
>| Sun Microsystems, Inc.   ...sun!flloyd |
>| Phoenix, AZ |

Fred, I lived in Kingman, Arizona for a little over a year and enjoyed the heck out of the 146.76 repeater there. It was at 8500' in the Hualapai Mountains and we had regulars from Orange County check in with 40' towers and 11 element Cushcrafts. That is a crow-flies distance of about 275 miles. It had great talkie coverage all over NW Arizona.

Gary Skaggs - WB5ULK   skaggs@nssl.gcn.uoknor.edu DOC/NOAA/ARL/ERL/NSSL

"The correct way to punctuate a sentence that starts: 'Of course it is none of my business, but...' is to place a period after the word 'but'. Don't use excessive force in supplying such a moron with a period. Cutting his throat is only a momentary pleasure and is bound to get you talked about."
              ---Lazarus Long, "Time Enough for Love"

From 6870713752584423117
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0aaa3358b071a9a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 07:25:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!UNCG.BITNET!MOSIER
From: MOSIER@UNCG.BITNET (Steve Mosier)
Newsgroups: rec.ham-radio

Subject: Antenna Matching
Message-ID: <FAA5656555BF200363@uncg.bitnet>
Date: 27 Nov 90 15:25:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 26
Posted: Tue Nov 27 16:25:00 1990

I'm in need of antenna guru advice.

I am putting up a Zepp antenna cut for 7.1 MHz. The ARRL Handbook says that such an antenna fed with balanced line will operate at all frequencies above what it is cut for. It also says that the feed line should drop perpendicularly away from the antenna for at least a quarter wavelength. My question is what to do with it after that. I know it needs to go into my transmatch, but after it drops a quarter-wavelength, it is down at ground level (I could only get the dipole about 35 feet in the air). My rig is on the second floor of the house. Now, do I just turn the balanced line around, go back up in the air, under the window, across the room, and to the transmatch? Or do I make a balun of some sort to a coax transition at ground level and then handle the coax from there on as usual (i.e., running it anywhere I can get it through the house walls). There is a well-advertised commercial antenna (is it a G5RB dipole or something like that?) that drops balanced line for quite a way into a "black box" with coax out. What sort of a balun is that? Never having used balanced line before, I'm a little uncertain of what I can do with it, namely where I can run it, what kind of corners I can turn, etc. (As a starter, I'm using that real wide stuff that looks like TV twin lead with alternating patches of the center plastic cut out. After I learn to handle that, I though I would look for some of the open wire with discrete spacers.) Having only used coax feed for 33 years, I thought it was time to learn balanced line.

Steve - W3GRG
mosier@uncg.bitnet

From -472515917702284545
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,57ab392a8fe5cb56,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 08:06:40 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!apple!agate!ucbvax!nixbur.UUCP!schroeder.pad
From: schroeder.pad@nixbur.UUCP
Newsgroups: rec.ham-radio
Subject: HC901204.ZIP - HamComm: Transmit/receive RTTY with PC/XT/AT
Message-ID: <1563.w8sdz@wsmr-simtel20.army.mil>
Date: 27 Nov 90 16:06:40 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 41
Posted: Tue Nov 27 17:06:40 1990

I have uploaded to SIMTEL20:

pd1:<msdos.hamradio>
HC901204.ZIP   HamComm: Transmit/receive RTTY with PC/XT/AT

HamComm currently allows for transmission and reception of amateur teletype signals. The interesting thing about it is, that it doesn't require a modem. The audio output of the transceiver is connected to a serial port of any PC/XT/AT compatible computer thru a very simple and low-cost circuit. You need only one ic (op-amp LM741) and a few diodes, capacitors and resistors. For transmission the speaker output is connected to the microphone input of the transceiver thru a passive r/c filter. Estimated cost is about 10$. Audio frequency decoding and serial/parallel conversion is all done by the program.

HamComm will run on XT maschines but the graphics display of the input signal is more fun to watch on an AT-class maschine. Nearly all of the functions can also be controlled by using a mouse. The program automatically detects the type of display adapter in use. MDA, CGA, EGA, VGA and Hercules are currently supported. A harddisk is not required. All text are written in english and the online help function includes the schematics for the interface circuit. There are also predefined standard phrases and ...

Sorry, i got carried away :-)

best regards.

73 de django dl5yec

p.s.: i forgot to mention that HamComm is not public domain since i keep the copyright but may be freely used and copied for any non-commercial purpose. No fee, no donations asked for. Share and enjoy.

```
+---------------+------------------------+----------------------------+
| W.F.Schroeder |  MS-Dos & OS/2 Systems  | Paper-: Nixdorf Computer AG |
+---------------+------------------------+ mail  : Dep. PPD-D 41       |
| UUCP:  uunet!nixbur!schroeder.pad       |         Heinz-Nixdorf-Ring  |
| Phone: nat-5251-10-3525                 |         D-4790 Paderborn    |
| AMPR:  DL5YEC @ DB0BQ     73 es 55      |         Fed.Rep. of Germany |
+----------------------------------------+----------------------------+
```

From -9198480646510502102
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,86156ca2c1ed609b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 08:17:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!synoptics!jkaidor
From: jkaidor@synoptics.COM (Jerome Kaidor)
Newsgroups: rec.ham-radio
Subject: Re: Less Than Clean Fists

Message-ID: <22105@mvis1.com>
Date: 27 Nov 90 16:17:20 GMT
References: <1990Nov19.233009.22195@dcdwest.uucp> <553@ssc.UUCP>
Organization: SynOptics Communications Inc. Mountain View, Ca.
Lines: 8
Posted: Tue Nov 27 17:17:20 1990

How about the guys who's _dits_ sound just like their _dahs_? Well, at least the digital age has mostly eliminated the "buggy" crowd, who send 5 WPM dahs, and 40 WPM dits.....
:)

- Jerry Kaidor, KF6VB

From 4942286763665132561
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28c3893db0083e24
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 08:39:52 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!usc!sdd.hp.com!ucsd!ucbvax!tincan.sawyer.af.mil!scxc3
From: scxc3@tincan.sawyer.af.mil (Michael A. Barnes)
Newsgroups: rec.ham-radio
Subject: Super Repeaters
Message-ID: <9011271639.AA26943@tincan.sawyer.af.mil>
Date: 27 Nov 90 16:39:52 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 35
Posted: Tue Nov 27 17:39:52 1990

If you know about the Mt Lemmon repeater, you should surely be familiar with the Kingman machine. Once you get away from Lemmons shadow, you can talk to LA and Las Vegas through it. There are also some great coverage repeaters in the central Colorado area, up around Cheyenne, and over in the western Montana area. Oregon has a few nice ones, too, including a wind/solar powered repeater *very* high on Mt Hood which covers about two thirds of Oregon and a goodly portion of southern Washington. I have read of repeaters on the East Coast, I believe in the NH area that have 150+ miles of radius.

Mountaintops can be great!

Now talk about a super (depending on whose opinion you ask) repeater/linking system, can somebody provide any technical descriptions of some of the railroad systems (BN and UP) across the Dakotas, Wyoming, Montana, etc? On one channel, 160.???, I could hear the same maintenance crews, trains, dispatchers, etc, for several hundred miles and I know it wasn't all from the same transmitter.

73,
Michael

```
--
****************************************************************************
* Michael A. Barnes                      *       K.I. Sawyer AFB, MI        *
* InterNet:  LWRCLMR@SACEMNET.AF.MIL     *    Land Mobile Radio Manager     *
* SawyerNet: scxc3@TINCAN.SAWYER.AF.MIL  *               And                *
* UseNet:    sharkey!lopez!mabarnes      *    Frequency Management Office   *
* HamNet:    WA7SKG@N8IYB.MI.USA.NA      *                                  *
* Bell Net:  906-346-2811 (FAX-2474)     *                                  *
* DSNet:     472-2811     (FAX-2474)     *                                  *
* SnailNet:  410 BMW/SCX                 *     Have A Nice AFCC Day, Eh?    *
*            K.I. Sawyer AFB, MI         *                                  *
*                49843-6346              *                                  *
****************************************************************************
*                  If you can't find me, it's not my fault!                 *
****************************************************************************
```

From -6528326828875521287
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f69586a88e6502e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 08:44:07 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!sdd.hp.com!hplabs!hpfcso!ron
From: ron@hpfcso.HP.COM (Ron Miller)
Newsgroups: rec.ham-radio
Subject: Re: In Defense Of CB
Message-ID: <7500049@hpfcso.HP.COM>
Date: 27 Nov 90 16:44:07 GMT
References: <1990Nov27.001114.3755@smcnet.smc.edu>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 35
Posted: Tue Nov 27 17:44:07 1990

> Subject: In Defense Of CB
>
>
>   The only one I got on my CB rig was the leader of the trip. But, it
> was more useful to keep track of the cars and as back-up in case of an
> emergency. Also, when we had to scout for a camp site, it was better to send
> one car than eleven. My old CB rig brought back memeories of how and why I
> first enjoyed two way communications.
>
>   I never really thought that I would ever use my old rig again. However,I
never really wanted to give it up because, my first rule of being a pack rat
> states that communications equipment always has some value.
>
> Russ Black N6YFL

Communications needs vary. I go 4 wheeling quite often. When I go with
other vehicles, I have two CB rigs (besides the one in my jeep) I loan out
so that as many vehicles as possible can communicate. CB is cheap and

effective for that application.
On the other hand, if one needed to summon medical assistance via
phone patch, it's probably a better bet that you'll find a 2m repeater to
get help. You might have to drive to some point for line of sight but
it's likely to be more effective to do that than to try Channel 9.

My most difficult radio +driving task was when I led a caravan where 5
vehicles had CB and 1 had 2m. Operating 2 radios and driving a 4WD
road at the same time was interesting.
(I later rescued that ham from a 4WD breakdown that he called me
about via phone patch from 75 miles away :-)

CB is not useless but it's not the entire answer. Neither is 2m FM.

Sometimes a raised middle finger is the simplest, most effective
mode of communications :-))))

Ron NW0U

From 8269702187963125930
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7329bbb194e2e5d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 09:14:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!sdd.hp.com!
hplabs!hpda!hpcuhb!hpsqf!hpqtdla!jdg
From: jdg@hpqtdla.sqf.hp.com (James Gentles)
Newsgroups: rec.ham-radio
Subject: Re: WANTED: Distance formulas
Message-ID: <3430010@hpqtdla.sqf.hp.com>
Date: 27 Nov 90 17:14:32 GMT
References: <1990Nov21.081312.15582@lth.se>
Organization: HP, Queensferry Telecomms, Scotland
Lines: 15
Posted: Tue Nov 27 18:14:32 1990

I've only looked at the previous program very briefly, but doesn't it
assume the earth is round? Thats not what the poster wanted.
As we all know the world is not round, its actually flat :-)

James Gentles

```
---------------------------------------------------------------------
Opinions expressed are my own, and are not intended to be an official
              statement by Hewlett-Packard Company
---------------------------------------------------------------------
Name:         James Gentles   GM4WZP
Organization: Hewlett-Packard  Queensferry Telecomunications Division
Email:        jdg@hpqtdla.hpsqf.hp.com                         hp-sdd
Address:      Station Road, South Queensferry, West Lothian, Scotland
---------------------------------------------------------------------
```

From 3917189853608605351
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28c3893db0083e24
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 09:34:43 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
unix.cis.pitt.edu!dsinc!netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: Super Repeaters
Message-ID: <159@platypus.uofs.edu>
Date: 27 Nov 90 17:34:43 GMT
References: <1219@west.West.Sun.COM>
Organization: University of Scranton, Scranton, PA
Lines: 17
Posted: Tue Nov 27 18:34:43 1990

How about W2IBJ??   Freq = 29.66 (-100)
Covers all of the US, the Caribean, South America and probably Europe and
Africa too.
Comes up about 0730 EST and goes off about 12 hours later. I guess they
don't have much in the line of commercial power there.

:-)

bill   KB3YV

--

```
     Bill Gunshannon           |        If this statement wasn't here,
     bill@platypus.uofs.edu    |  This space would be left intentionally blank
```

From -5245333141529961830
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d21f57ba57e0801e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 10:04:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!sdd.hp.com!
hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: QSL Card Dimensions
Message-ID: <58130001@hpcupt1.cup.hp.com>
Date: 27 Nov 90 18:04:35 GMT
References: <17562@netcom.UUCP>
Organization: Hewlett Packard, Cupertino
Lines: 9
Posted: Tue Nov 27 19:04:35 1990

Many foriegn cards are larger than the 'standard' US cards. The larger foriegn cards seem to go thru the bureau just fine. However, for people like me who send a SASE to a stateside manager or individual, your card will not fit in the SASE I use stateside. For foriegn SAE's I use the European sized envelope.

73's,
Jim, WA6SDM
jholly@hpcupt1.cup.hp.com

From -3590336046168018016
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,615ec79ac75fd7c3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 10:20:15 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!hplsla!tomb
From: tomb@hplsla.HP.COM (Tom Bruhns)
Newsgroups: rec.ham-radio
Subject: Re: Two-meter antennas
Message-ID: <5720086@hplsla.HP.COM>
Date: 27 Nov 90 18:20:15 GMT
References: <22102@mvis1.com>
Organization: HP Lake Stevens, WA
Lines: 6
Posted: Tue Nov 27 19:20:15 1990

The multiple-sections-of-coax antenna sounds like one that has been written up in ARRL antenna handbooks for a number of years. Dunno if it's still in the latest one. I don't have the numbers handy, but did build one and found the feedpoint impedance to be about twice what it was supposed to be... In spite of that, the antenna seemed to work OK, though I never did any quantitative gain measurements on it.

From 3561652460296742359
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28c3893db0083e24
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 10:30:43 PST
Path: gmdzi!unido!mcsun!uunet!olivea!samsung!know!tegra!vail
From: vail@tegra.COM (Johnathan Vail)
Newsgroups: rec.ham-radio
Subject: Re: Super Repeaters
Message-ID: <1773@atlas.tegra.COM>
Date: 26 Nov 90 19:06:31 GMT
References: <1219@west.West.Sun.COM>
Organization: Tegra-Varityper, Inc., Billerica, MA
Lines: 41
Posted: Mon Nov 26 20:06:31 1990
In-reply-to: flloyd@L1-A.West.Sun.COM's message of 26 Nov 90 17:35:57 GMT

In article <1219@west.West.Sun.COM> flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242) writes:

> As a point of trivia, I've been wondering which single ham repeater has the largest coverage area accessable with ordinary equipment. This question includes all repeaters, but is limited to the area served by a single machine (not the area served by multiple linked machines).
>
> For example, the Mt. Lemmon Repeater, 147.15, is one of the farthest reaching that I can think of. It is located at a level of 9000+ feet and has an extremely high HAAT (Height Above Average Terrain).
>
> shaded, I would guess that 15,000 is not unlikely with this machine. This area does not include the other machines in the ZIA link which are conected to the 715 machine (a good story by itself).
>
> Which other machines around the contry or the world are in this category? Which machine do you think would rank as the worlds largest in terms of coverage area?

Well, if you count 10 meter repeaters then in theory any one of them would rank as worlwide coverage. I have worked Europe, Japan, S. America as well as most of North America through 10 meter a repeater here. Of course I was on 440 at the time so maybe that doesn't count for your contest....

And 100 miles given that kind of altitude isn't spectacular. I can work the Wachusset Mt 440 repeater (about 2000') while hiking in the White Mountains (about 4000') with an HT. I don't have a map in front of me but I would guess about 100 miles there.

I am sure people will come in with some good stories on this thread...

```
Law of Stolen Flight: Only flame, and things with wings.
                      All the rest suffer stings.
 -----
|     | Johnathan Vail | n1dxg@tegra.com
|Tegra| (508) 663-7435 | N1DXG@448.625-(WorldNet)
 -----  jv@n1dxg.ampr.org {...sun!sunne ..uunet}!tegra!vail
```

From -7576592076957215270
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a9712b90b203b7e2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 10:33:41 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!SIGMA.TAMU.EDU!JWJ2047
From: JWJ2047@SIGMA.TAMU.EDU
Newsgroups: rec.ham-radio

Subject: ** TAMU SPECIAL EVENTS UPDATE **
Message-ID: <901126130829.20a17270@SIGMA.TAMU.EDU>
Date: 26 Nov 90 19:08:29 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Mon Nov 26 20:08:29 1990

A recent mishap has been plaguing the Club activities here
Our packet cluster went down
Also one of the computer clusters also went down
As it stands skeds must be made to an alternate address on Internet or Bitnet
or on 10m during your contact. Hopefully the packet cluster will be up
very soon as well as the computer cluster.
At any rate, make skeds to
JWJ2047@SIGMA.TAMU.EDU
JWJ2047@TAMSIGMA

TNX

73

JOE JURECKA   N5PYK   jOE

From 3160016390445250127
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9849925920d30942,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 10:40:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cica!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: Anyone built WWVB receiver?
Message-ID: <74808@iuvax.cs.indiana.edu>
Date: 27 Nov 90 18:40:48 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 77
Posted: Tue Nov 27 19:40:48 1990

>Does anyone have a reference or clues to same for a 60 KHz WWVB
>receiver design? I'd like to play with such an animal as well
>as antennas for VLF. Are there any designs for active VLF whip
>antennas (like those used for LORAN on boats) floating around?
>--
>Chris Elmquist, N0JCF

WWVB references
----

1. "A WWVB 60 kHz Frequency Comparator Receiver" by Ernest P. Manly,

_73_ Magazine, Sept. 1972. The now-obsolete RTL integrated circuits in this design can probably be replaced with CMOS. It's similar in function to the Hewlett-Packard 117A VLF Comparator but has no phase-locked oscillator output.

2. Don Lancaster published plans for a 60-kHz WWVB receiver with time-code output, in _Radio-Electronics_, August 1973, p. 48. Methods of phase-locking are discussed. This article tells how to decode the WWVB time format, and includes a signal-strength map. I had trouble receiving WWVB here in Indiana until I got a Burhans voltage-probe VLF preamp and Burhans VLF converter. Now it's one of the strongest signals on VLF. Previously, I used a Palomar Engineering VLF converter, which is worthless by comparison. The main receiver is an Icom IC-720. Sometimes I must run everything on battery to eliminate line noise.

3. "Low-Frequency Receiving Techniques," a series of articles by R. W. Burhans in _Radio-Electronics_, March-July 1983, describes LF/VLF active antennas, and a method for using LORAN-C (100 kHz) for time and frequency calibration. A set of reprints, with errata/addenda, is available from the author for $4.00:

Burhans Electronics
161 Grosvenor St.
Athens, Ohio 45701

Send SASE for catalog. See also Prof. Burhans' three-part article about Omega navigation receivers (10-14 kHz) in _Byte_ magazine, February, March, April, 1977.

Other VLF/LF Resources

Newsletters:

Longwave Club of America
45 Wildflower Road
Levittown, PA 19057
Newsletter: _The Lowdown_ $12/year (12 issues)

Northern Observer
Herb D. Balfour
91 Elgin Mills Rd. West
Richmond Hill, Ontario
CANADA L4C 4M1
Published aprox. monthly. US$12/year and 12 self-addressed business-size envelopes; Herb will affix postage for non-Canadian subscribers.

Western Update
Jim Ericson
226 Charles St.
Sunnyvale, CA 94086-6063

Pulished aprox. monthly. $10/year and 12 business-size SASEs
with 25 cents postage.

Speleonics
P.O. Box 5283
Bloomington IN 47407
Published aprox. quarterly. $4/year (4 issues).
Cumulative index for SASE.

--

Frank Reid   W9MKV   reid@ucs.indiana.edu

```
From -6985073183507111038
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28c3893db0083e24
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 10:40:49 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!udel!haven!
decuac!bacchus.pa.dec.com!decabo.enet.dec.com!brewer@ace.dec.com!brewer
From: brewer@ace.dec.com (John Brewer)
Newsgroups: rec.ham-radio
Subject: Re: Super Repeaters
Message-ID: <131@decabo.enet.dec.com>
Date: 27 Nov 90 18:40:49 GMT
Sender: news@decabo.enet.dec.com
Organization: Digital Equipment Corporation
Lines: 17
Posted: Tue Nov 27 19:40:49 1990
```

In article <1990Nov27.140414.31401@uokmax.ecn.uoknor.edu>,
skaggs@nsslsun.gcn.uoknor.edu (Gary Skaggs) writes...
>In article <1219@west.West.Sun.COM> flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242) writes:
>>
>>As a point of trivia, I've been wondering which single ham repeater has

Hmmm. The 'Zia Connection' is a series of 11 or so repeaters that covers from eastern California, most of Arizona and NM, and parts of west Texas.

To your original question, there are several repeaters here in NM that would qualify as wide area machines. Mt Taylor and the Sandia Peak machines are both over 10,500 ft elevation, and cover hundreds (thousands?) of square miles.

73/john wb5oau

From -5923946058836506752

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79112ff07367ef98,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 11:04:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!LONEX.RADC.AF.MIL!szarekw
From: szarekw@LONEX.RADC.AF.MIL (William J. Szarek)
Newsgroups: rec.ham-radio
Subject: super repeaters
Message-ID: <9011271904.AA05548@lonexc.radc.af.mil>
Date: 27 Nov 90 19:04:53 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Tue Nov 27 20:04:53 1990

While travling in New Mexico I saw a repeater site.

At the top of Sandia Crest elevation 10,678'.

This mountain rises above the desert and I mean the land is completely flat for miles and miles and miles . . . .

Nice coverage.

There are two repeaters listed in the repeater book for this location.

73 es gl
buzz
WM1W

From -2568604478368172613
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b70b4704275cc7e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,b70b4704275cc7e,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,b70b4704275cc7e,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-27 11:22:23 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!aplcen!boingo.med.jhu.edu!haven!umbc3!abdallah
From: abdallah@umbc3.UMBC.EDU (Mr. Shukri Abdallah)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap
Subject: Request Information
Keywords: License, Routing
Message-ID: <4536@umbc3.UMBC.EDU>
Date: 27 Nov 90 19:22:23 GMT
Reply-To: abdallah@umbc3.umbc.edu (Mr. Shukri Abdallah)
Organization: University of Maryland, Baltimore County
Lines: 17
Xref: gmdzi rec.ham-radio:17242 rec.ham-radio.packet:3115 rec.ham-radio.swap:827

Posted: Tue Nov 27 20:22:23 1990

implementation of routing algorithms for packet radio networks.

I need to build a test bed to study the performance of the proposed landmark routing algorithms.

I need to get in touch with local groups in the state of Maryland especially Baltimore. I also need to become a certified operator.

Any useful information would be appreciated.

Thank you in advance.

ps. Send mail to abdallah@umbc3.umbc.edu

S.Abdallah

From -2424380384923909771
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d85bf4d5ad24239b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 12:56:43 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: GEOMAGNETIC STORM ALERT
Message-ID: <901127135643.204037e1@HG.ULeth.CA>
Date: 27 Nov 90 20:56:43 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 267
Posted: Tue Nov 27 21:56:43 1990

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********************************
***  GEOMAGNETIC STORM ALERT  ***
********************************
```

Issued: 19:00 UT, 27 November

Geomagnetic Storm Alert
Auroral Storm Warning
Revised Forecasts

Attention:

The effects from a coronal hole are having a stronger impact than was expected. The geomagnetic field hit major storm levels over middle latitudes between 15 UT and 18 UT on 27 November. This burst of activity follows a period of unsettled to active conditions which has lasted approximately 20 hours (as of 19:00 UT on 27 November). Predominantly active to minor storming has occurred in the higher latitudes over the past 6 hours.

The geomagnetic field is expected to range between active levels and minor to major storm levels over the next 24 hours. Regions which will be affected most severely will be the higher latitudes and northern middle latitudes. High latitudes may experience bursts of major storming, particularly during the evening and local midnight periods. Middle latitudes will likewise experience potential minor storming between the evening and midnight periods. Activity should peak between local midnight and near 3 am local time (ie. in your local time zone).

The geomagnetic activity A-index for Boulder reached 35 at 18:00 UT, which is within the lower bounds for a minor storm. Activity near the 50th parrallel is estimated at an A-index of near 38. The storm will be monitored closely. Activity should subside by 29 November.

An Auroral Storm Warning has been issued for the high latitude regions. An alert to the potential for auroral storming has been issued for middle latitude regions. Auroral activity on the evening of 27 November may become quite strong over middle latitudes. Low latitudes may be able to spot diffuse auroral glows far to the north. The auroral zone has expanded southward slightly over the past six hours. No significant southward expansion is anticipated. Reports of any observed auroral activity from low latitudes would be appreciated.

HF radio propagation will be poor during the local evening and midnight hours on 27 November. Signficant amounts of auroral flutter and fading will affect middle and high latitudes. Low latitudes will also experience noise and fading, particularly over northerly paths.

There is a fair possibility for some potential auroral backscatter communications over VHF frequencies near sunset and later tonight (near local midnight on 27/28 November). Area's most susceptible to auroral backscatter communications are the northerly middle latitudes, although middle and southern middle latitudes may also experience periods of backscattering. Signals on backscattered paths will be quite poor, with significant amounts of sputter. CW communications should prove most reliable over potential backscatter paths.

The following forecast charts have been modified to reflect the recent increased geomagnetic and auroral activity:

REVISED FORECAST OF GEOMAGNETIC ACTIVITY

```
    _________________________________________________________________________
   |  EXTREMELY SEVERE |   |   |   |   |   |   |   |   |   |   | VERY HIGH! |
   | VERY SEVERE STORM |   |   |   |   |   |   |   |   |   |   | HIGH        |
   |      SEVERE STORM |   |   |   |   |   |   |   |   |   |   | MODERATE    |
   |       MAJOR STORM |   |   |   |   |   |   |   |   |   |   | MODERATE    |
   |       MINOR STORM |   |   |   |** |   |   |   |   |   |   | LOW         |
   |       VERY ACTIVE |   |   |  *|***|   |   |   |   |   |   | NONE - LOW  |
   |            ACTIVE |   |   |x *|***|** |   |   |   |   |  *| NONE        |
   |         UNSETTLED |   |  x|xx*|***|***|** |** | * |***|***| NONE        |
   |             QUIET |xxx|xxx|xx*|***|***|***|***|***|***|***| NONE        |
   |        VERY QUIET |xxx|xxx|xx*|***|***|***|***|***|***|***| NONE        |
   |-------------------|---|---|---|---|---|---|---|---|---|---|-------------|
   | Geomagnetic Field |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|  Anomaly    |
   |    Conditions     |       Given in 8-hour intervals       | Intensity   |
   |_________________________________________________________________________|
```

NOTES:

x = Actual geomagnetic activity which occurred over the past several days. Sunday on the chart represents 25 November.

* = Predicted geomagnetic activity for the remainder of the period.

REVISED HF RADIO PROPAGATION CONDITION FORECAST

High Latitude Paths

```
 ________________________________________________________
| EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
|      VERY GOOD |   |   |   |   |   |   |   |   |   |   |
|           GOOD |   |   |   |   |   |   |   |   |   |   |
|           FAIR |xxx|x  |   |   |   |* *|***|***|* *|   |
|           POOR |   | xx|xx |  *|***| * |   |   | * |***|
|      VERY POOR |   |   |  *|** |   |   |   |   |   |   |
| EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
|----------------|---|---|---|---|---|---|---|---|---|---|
|  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
|    QUALITY     |     Each Line Represents 8-Hours      |
 --------------------------------------------------------
```

Middle Latitude Paths

```
 ________________________________________________________
| EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
|      VERY GOOD |   |   |   |   |   |   |   |   |   |   |
|           GOOD |xxx|xxx|   |   |   |  *|***|***|* *|  *|
|           FAIR |   |   |xx*|  *|  *|** |   |   | * |** |
|           POOR |   |   |   |   |** |   |   |   |   |   |
|      VERY POOR |   |   |   |** |   |   |   |   |   |   |
| EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
|----------------|---|---|---|---|---|---|---|---|---|---|
|  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
|    QUALITY     |     Each Line Represents 8-Hours      |
 --------------------------------------------------------
```

Low Latitude Paths

```
 ________________________________________________________
| EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |x x|x  |   |   |   |  *|* *|* *|* *|   |
           |           GOOD | x | xx|xx*|  *|  *|** | * | * | * |***|
           |           FAIR |   |   |   | * |** |   |   |   |   |   |
           |           POOR |   |   |   |*  |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Each Line Represents 8-Hours      |
            --------------------------------------------------------
```

NOTES:
x = Actual propagation conditions which occurred over the past several days. Sunday on the chart represents 25 November.
* = Predicted propagation conditions for the remainder of the period.

REVISED VHF DX PROPAGATION PREDICTIONS (25 NOVEMBER - 04 DECEMBER)
INCLUDES SID AND AURORAL BACKSCATTER ENHANCEMENT PREDICTIONS

HIGH LATITUDES

```
 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%| | | |*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   |   |   |   |   |   |   |   | 20%| | | | | | | | | | |
|    NORMAL|xxx|xxx|x  | **| **|***|***|***|***| **| 40%| | | | | | | | | | |
|BELOW NORM|   |   | x*|*  |*  |   |   |   |   |*  | 60%| | | | | | | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |  *|*  |   |   |   |   |   |   | 60%| | | |*| | | | | | |
|      40% |   |   |  *|***|* *|   |   |   |   |   | 40%| | | |*|*| | | | | |
|      20% |   |   |  *|***|***|***|* *|* *|* *|***| 20%| | | |*|*|*|*| | |*|
|       0% |   |   |  *|***|***|***|***|***|***|***|  0%| | | |*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|
```

MIDDLE LATITUDES

```
 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%| | | | | | | | |*|*|
|ABOVE NORM|   |   |   |   |   |   |   |   |   |   | 20%| | | |*| |*|*|*| | |
|    NORMAL|xxx|xxx|xx | **|***|***|***|***|***|***| 40%| | | | |*| | | | | |
|BELOW NORM|   |   |  *|*  |   |   |   |   |   |   | 60%| | | | | | | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |  *|*  |   |   |   |   |   |   | 60%| | | |*| | | | | | |
|      40% |   |   |  *|* *|   |   |   |   |   |   | 40%| | | |*|*| | | | | |
|      20% |   |   |  *|***|***|* *|   |   |   |***| 20%| | | |*|*|*| | | |*|
|       0% |   |   |  *|***|***|***|***|***|***|***|  0%| | | |*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|

                    LOW LATITUDES

 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%| | | |*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   |   |   |   |   |   |   |   | 20%| | | |*|*|*|*|*| | |
|    NORMAL|xxx|xxx|xx | **|***|***|***|***|***|***| 40%| | | | |*| | | | | |
|BELOW NORM|   |   |  *|*  |   |   |   |   |   |   | 60%| | | | | | | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% |   |   |   |   |   |   |   |   |   |   | 40%| | | | | | | | | | |
|      20% |   |   |  *|* *|*  |   |   |   |   |   | 20%| | | |*|*| | | | | |
|       0% |   |   |   | * | **|***|***|***|***|***|  0%| | | |*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|
```

NOTES:

These VHF DX prediction charts are defined for the 50 MHz to 220 MHz bands. They are based primarily on phenomena which can affect VHF DX propagation globally. They should be used only as a guide to potential DX conditions on VHF bands. Latitudinal boundaries are the same as those for the HF predictions charts. For more information, request the document "Understanding Solar Terrestrial Reports" from: "std_oler@hg.uleth.ca".

REVISED AURORAL ACTIVITY FORECAST

```
                            High Latitude Locations

            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   | * |   |   |   |   |   |   |
           |       MODERATE |   |   |   |***|***| * |   |   | * | * |
           |            LOW |xxx|xxx|xxx|***|***|***|***|***|***|***|
           |    NOT VISIBLE |xxx|xxx|xxx|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------

                          Middle Latitude Locations
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   |   |   |   |   |   |   |   |
           |       MODERATE |   |   |   |***| * |   |   |   |   |   |
           |            LOW |   |   | x |***|***| * |   |   |   | * |
           |    NOT VISIBLE |xxx|xxx|xxx|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------

                             Low Latitude Locations
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   |   |   |   |   |   |   |   |
           |       MODERATE |   |   |   |   |   |   |   |   |   |   |
           |            LOW |   |   |   | * |   |   |   |   |   |   |
           |    NOT VISIBLE |xxx|xxx|xxx|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------
```

NOTES:

x = Actual auroral activity which occurred over the past several days. Sunday on the chart represents 25 November.

* = Predicted auroral activity for the remainder of the period.

** End of Alert **

From 2540026239363812386
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9849925920d30942
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 13:01:30 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!src.honeywell.com!msi.umn.edu!cs.umn.edu!uc!nachos.SSESCO.com!elmquist
From: elmquist@nachos.SSESCO.com (Chris Elmquist)
Newsgroups: rec.ham-radio
Subject: Anyone built WWVB receiver?
Message-ID: <266@nachos.SSESCO.com>

Date: 26 Nov 90 22:25:20 GMT
Sender: elmquist@nachos.SSESCO.com
Organization: none
Lines: 14
Posted: Mon Nov 26 23:25:20 1990

Does anyone have a reference or clues to same for a 60 KHz WWVB receiver design? I'd like to play with such an animal as well as antennas for VLF. Are there any designs for active VLF whip antennas (like those used for LORAN on boats) floating around?

Any info would be appreciated. Thanks!

Chris

--
Chris Elmquist, N0JCF
Internet: elmquist@SSESCO.com
AMPRN: N0JCF@WB0GDB.MN.USA.NA
BellNet: (612) 785-3516

From 3621987153590831154
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,467d38ea99302c47,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 13:04:29 PST
Path: gmdzi!unido!mcsun!uunet!sbi!zeus!pivot-nj!canada!jerrys
From: jerrys@canada.sbi.com (Jerry Simonowits)
Newsgroups: rec.ham-radio
Subject: 902-928mhz
Message-ID: <109@canada.sbi.com>
Date: 27 Nov 90 21:04:29 GMT
Organization: Salomon Brothers - NJ
Lines: 26
Posted: Tue Nov 27 22:04:29 1990

Hi,

Time to call on all you experts out there. I have come across a vendor selling a wireless lan which operates on the 902-928 MHZ frequencies under low power, unlicensed.

I was wondering (since I don't have my allocation chart handy) if anyone knew if this range is allocated to a ham band ? Someone elses use ? A joint assignment ???

Any and all information regarding these frequencies would be most helpful.

```
     Thanks in advance!



Jerry Simonowits
Salomon Technology Services, Inc.
Internetworking & Support Group
Phone:  201-896-7330
Email:  jerrys@canada.sbi.com
(KB2GCG)


From 5368341203131963885
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96244e537f59bc27
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 13:10:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
NADC.NADC.NAVY.MIL!rachiele
From: rachiele@NADC.NADC.NAVY.MIL
Newsgroups: rec.ham-radio
Subject: re:  Radar detectors in Virginia
Message-ID: <9011272110.AA20322@next0.looney>
Date: 27 Nov 90 21:10:55 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Tue Nov 27 22:10:55 1990

Yes, radar decectors are illegal in Virginia, and also in Conneticut
(sp?).  These are the only 2 states that I know of which ban these,
but I guess they could stretch the monitor law in New Jersey? :-)

            Jim, NE3X


From 354505021208912367
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f1731b7b49b0bfff
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 13:13:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ncar!boulder!
uswat!joeb
From: joeb@uswat.uswest.com ( Joe Bushinski #350  x2026 )
Newsgroups: rec.ham-radio
Subject: Re: Novice License for $150 ??
Message-ID: <13282@uswat.UUCP>
Date: 27 Nov 90 21:13:19 GMT
References: <10372@uhccux.uhcc.Hawaii.Edu> <10392@uhccux.uhcc.Hawaii.Edu>
Sender: news@uswat.UUCP
Organization: US WEST Advanced Technologies, CO, USA
Lines: 33
Posted: Tue Nov 27 22:13:19 1990
```

In article hlivak@hale.ifa.hawaii.edu (Bob Hlivak) writes:
>@@@@@@@@@@@@@@@@@@@ begin KH6GDR posting @@@@@@@@@@@@@@@@@@@@@@@
>
>To Whom it may excite:
>
> Stuff Deleted
>
>I have a Class A license. Remember those ? Got it on October 3,
>1947 so you figure out how long I've been an active ham. And IMHO
>this operation stinks !
>
>   73, Joe Weite KH6GDR, T32BF, OX5JW, WA6VTX, W2WJM

I see!!! The way you learned things is the ONLY way to learn things. If you are so sure there is a crime there, you have the authority to look into it and see that JUSTICE is done. Think back Joe to your learning days. When you learned it, I'll bet that you didn't really take more than the 20 hours stated. And did it ever occur to you that maybe...Just maybe, these folks are actually learning to pass the course. I congratulate you on being and old fart as I am, but I think that you are way off base here, unless you can prove somehow that this guy is really cheating somehow. As far as your crime comparisons....Are you from the real world or do you really beleive that gun control, and crime prevention are really on the same level criminally as this suspected crime.

Joe Bushinski
U S WEST Advanced Technologies
KE0QA
(303) 930-2026

These are MY opinions and Mine alone

I am Neither For Nor Against Apathy: Me

From -6750752344448787836
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b050578dbe307f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 13:19:56 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!usc!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Volunteer exam fees (was Re: Novice License for $150 ??)
Message-ID: <7880372@hpfcdc.HP.COM>
Date: 27 Nov 90 21:19:56 GMT
References: <4357@lib.tmc.edu>
Organization: HP Fort Collins, Co.
Lines: 12
Posted: Tue Nov 27 22:19:56 1990

>Who's giving the exams? If Gordon West or his employees are, isn't that
>breaking the rules? Isn't there a requirement that volunteer examiners
>have no interest in a radio business.
>
>Bill - WA7NWP

In fact, there are questions in the Extra pool dealing with just that - no "educator" can give tests. That would be a conflict-of-interest. Looks like I'm gonna have to pull out that Rulebook and quote the section, if somebody doesn't beat me to it.

Perry / KF0CA

```
From 4393771475908792019
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c6abcff16c630e5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 13:37:24 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1918@n8emr.UUCP>
Date: 27 Nov 90 21:37:24 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 40
Posted: Tue Nov 27 22:37:24 1990

From n8emr!W8PH Tue Nov 27 14:36:18 1990
Return-Path: <n8emr!W8PH>
Message-Id: <m0ieA5U-0000qvC@n8emr.uucp>
[Date: Tue, 27 Nov 90 13:37 EST
[To: <ALL@ARRL>
R:901126/1837z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:13502 Z:43232
R:901126/1818 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:54472 Z:43103
R:901126/1729 @:WB8JIB.#DAY.OH.USA.NA Yellow Springs #:11120 Z:45387
R:901126/1631 @:W8BI.#DAY.OH.USA.NA Dayton #:21660 Z:45424
```

PROPAGATION FORECAST BULLETIN 48 ARLP048
FROM ED TILTON, W1HDQ
SPRING HILL FL NOVEMBER 26, 1990
TO ALL RADIO AMATEURS

THE SOLAR FLUX STARTED AT 145 IN NOVEMBER, DIPPING TO 140 ON THE SECOND DAY. THE CURVE THEN TURNED UPWARD, REACHING 215 ON THE 8TH. THEN FOLLOWED TEN DAYS OF UPS AND DOWNS, THE FLUX DROPPING TO 186 ON THE 18TH AND THEN RISING TO WHAT WILL PROBABLY BE THE NOVEMBER HIGH, 223, ON THE 17TH. IT WAS ALL DOWNHILL THEREAFTER, THE FLUX DROPPING TO 167 BY THE 25TH.

THE TWO LARGE SPOT GROUPS THAT PROBABLY WERE THE PRINCIPAL SOURCE OF ENERGY THAT BROUGHT THE SOLAR FLUX UP TO 223 WERE DISAPPEARING AROUND THE WESTERN EDGE OF THE SUN OVER THE WEEKEND. THERE ARE SMALLER GROUPS STILL IN VIEW, AND SOME NEW ACTIVITY WAS JUST VISIBLE ON THE EASTERN EDGE SUNDAY AFTERNOON.

EVERYTHING VISIBLE OVER THE WEEKEND APPEARS TO BE SMALLER THAN WOULD BE REQUIRED FOR ANY LARGE INCREASE IN THE SOLAR FLUX THIS WEEK. ON THE OTHER HAND, THIS IS THE BEST TIME OF YEAR FOR NEARLY WORLDWIDE COVERAGE ON 28 MHZ AND POSSIBLY EVEN 50 MHZ. CHECK WWV BULLETINS AT 18 MINUTES PAST THE HOUR FOR THE LATEST INFORMATION ON THE SOLAR FLUX LEVEL.

THERE WAS NO AMERICAN SUNSPOT NUMBER REPORT PHONED IN THIS WEEK. CHECK NEXT WEEK'S BULLETIN FOR THIS DATA. SOLAR FLUX NUMBERS AS REPORTED BY WWV FOR NOVEMBER 15 THROUGH 21 WERE 212, 210, 223, 203, 196, 190 AND 182, WITH A MEAN FIGURE OF 202.3.

From 6902622171950938280
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9849925920d30942
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 14:10:06 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!sdd.hp.com!hplabs!hpda!hpcuhb!brianb
From: brianb@hpcuhb.cup.hp.com (Brian Boschma)
Newsgroups: rec.ham-radio
Subject: Re: Anyone built WWVB receiver?
Message-ID: <10510012@hpcuhb.cup.hp.com>
Date: 27 Nov 90 22:10:06 GMT
References: <266@nachos.SSESCO.com>
Organization: Hewlett Packard, Cupertino
Lines: 19
Posted: Tue Nov 27 23:10:06 1990

most VLF receiver system antennas are really just a large loading coil connected to a smaller (electrically very short) antenna. Loran receivers on boats use small whips which add little to the antenna performance. The ferrite loading coil probably contributes as much or more then the small whips (look inside any AM transistor radio, the antenna is just a ferrite rod).

The handbook has some discussions of LF antennas. One I have used very successfully in a small space was a bicycle tire rim wrapped with several hundred turns of #38 wire (the rim is strictly a coil form). This worked well for reception down to 10 khz. I used this to monitor meteror hits on the earths atmosphere. For Loran reception at 100 khz I have been quite successful with 4" ferrite rods resonated to 100 khz. Of course Loran is a very powerful signal.

Good luck.

Brian Boschma.

```
From -5429897435279227716
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f0997d57eb6ff543
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 14:19:06 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: JPEG Image Compression
Message-ID: <46838@apple.Apple.COM>
Date: 27 Nov 90 03:33:14 GMT
References: <9011261805.AB00060@rtp40.dg.com>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 43
Posted: Tue Nov 27 04:33:14 1990
```

Rich_Corley@dgc.ceo.dg.COM writes:

>CEO summary:
>Has anybody read anything about the JPEG Image Compression standard
>that is being worked on by ISO (I think). If so, could you please
>forward to me the name of the magazine in which the article appeared
>and also the date. Thanks in advance.
>

Perhaps this is as useful: contact

X3 Secretariat,
Computer and Business Equipment Manufacturers Assoc.,
311 First Street NW, Suite 500,
Washington, DC 20001-2178

Attn: JPEG Draft Technical Specification

Ph: (202) 737-8888, Fax: (202) 638-4922

The document, for review and comment, is available for $8.

For a very short paper on JPEG, you might look at

Wallace, Gregory, K., "Overview of the JPEG (ISO/CCITT)
Still Image Compression Standard"

The copy I have is a preprint that states that it was
to be published in the 1990 SPIE/SPSE Symposium on
Electronic Imaging Science and Technologies, Feb. 1990,

Santa Clara.

The paper includes references to other pertinent material. Oddly enough, it did not reference Pratt's "Digital Image Processing," where you will find early work on the discrete Cosine Transform.

73,

Kok Chen, AA6TY kchen@apple.com
Apple Computer, Inc.

From 925699676093763301
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7ae94026b10ab231
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,20da8fa4b34a0b94
X-Google-Attributes: gid114aac,public
X-Google-Thread: f5cc0,20da8fa4b34a0b94
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-11-27 14:22:39 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!mintaka!snorkelwacker.mit.edu!apple!bionet!ames!dftsrv!nnjkg
From: nnjkg@dftsrv.gsfc.nasa.gov
Newsgroups: rec.ham-radio,rec.radio.shortwave,sci.space
Subject: Re: Request for information on the SARSAT satellites
Keywords: SARSAT satellites elt search and rescue
Message-ID: <4022@dftsrv.gsfc.nasa.gov>
Date: 27 Nov 90 22:22:39 GMT
References: <673@kb2ear.UUCP>
Sender: news@dftsrv.gsfc.nasa.gov
Reply-To: nnjkg
Organization: NASA Goddard Space Flight Center - Greenbelt, MD, USA
Lines: 20
Xref: gmdzi rec.ham-radio:17250 rec.radio.shortwave:2897 sci.space:17812
Posted: Tue Nov 27 23:22:39 1990
News-Software: VAX/VMS VNEWS 1.3-4

In article <673@kb2ear.UUCP>, you write...
>
>I am looking for any information about the SARSAT search and rescue
>
>satellites.

The SARSAT project was managed by Goddard Space Center, however, there is no longer a listing in the current (10/90) or previous (4/90) internal phonebooks for the SARSAT project manager. This means the project is no longer operational or that management has been transfered to another agency. You could try the GSFC Public Affairs Office (301-286-6255) or possibly NOAA.

Sorry I can't be more help.

```
Joel Gallun                        Internet: nnjkg%robots.span@ames.arc.nasa.gov
NASA Goddard Space Flight Center Voice: (301) 286-4435
#include <std_disclaimer>        Snail: GSFC, Code 735, Greenbelt MD 20771
```

From 117576390297072661
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d21f57ba57e0801e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 16:25:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!think.com!snorkelwacker.mit.edu!apple!netcom!edg
From: edg@netcom.UUCP (Edward Greenberg)
Newsgroups: rec.ham-radio
Subject: QSL Card Dimensions
Message-ID: <17562@netcom.UUCP>
Date: 27 Nov 90 13:16:09 GMT
Reply-To: ed_greenberg@hq.3mail.3com.com
Organization: Netcom- The Bay Area's Public Access Unix System {408 241-9760 guest}
Lines: 23
Posted: Tue Nov 27 14:16:09 1990

Rather than going to a QSL printer, I did some desktop publishing and took my QSL art to a copy shop. They did a good job except they made the cards 4 x 5.5 rather than 3.5 by 5.5. They defended their decision since the cards still fall in post office spec.

I am afraid that they won't go through the QSL Bureau if they won't fit in their sorting systems and envelopes. Can anyone confirm or deny this?

The copy shop will redo them if I insist, but I have to redo the artwork -they say they need more white space top and bottom to guarantee the cut. I think the art could fit fine in 3.5 inches and think they're wimping out.

Anyway, I need to know if the cards are actually too big for the "sorting and forwarding service" that I told the copy shop was involved. Anyone know for sure?

73,
-edg

```
--
Ed Greenberg           WB2GOH/6
edg@netcom             {amdahl | amdcad | apple}!netcom!edg
CompuServe: 76703,1070      Packet Radio: WB2GOH @ N6LDL.CA.USA.NA
```

From 1155635519321049724
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,ee0917c8b14d0f12,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 16:54:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!usc!elroy.jpl.nasa.gov!
sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Distance formulae
Message-ID: <7880373@hpfcdc.HP.COM>
Date: 28 Nov 90 00:54:08 GMT
References: <9011261253.AA20161@ucsd.edu>
Organization: HP Fort Collins, Co.
Lines: 6
Posted: Wed Nov 28 01:54:08 1990

> ...calculating distance and bearing while taking the ellipsoidal shape
> of the Earth into account.

I think in practice the deviation from spherical is nearly irrelevant.
Certainly for aiming antennas! Also over "short" distances on the order
of hundreds of miles.

From 1061150383721103176
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,24778679742c4cbb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-27 17:23:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!agate!
shelby!portia.stanford.edu!stankus
From: stankus@portia.Stanford.EDU (John Stankus)
Newsgroups: rec.ham-radio
Subject: Looking for Clubs and VE testing in Dallas/Garland TX area
Message-ID: <1990Nov28.012334.13246@portia.Stanford.EDU>
Date: 28 Nov 90 01:23:34 GMT
Sender: stankus@portia.Stanford.EDU (John Stankus)
Organization: AIR, Stanford University
Lines: 8
Posted: Wed Nov 28 02:23:34 1990

I am interested in finding ham clubs and VE testing sites in the Dallas
, Richardson, Garland TX area. My brother, who lives in Garland and works
for MCI, is interested in becoming a ham. Your help is much appreciated.

Thanks in Advance

John J. Stankus N5PEE   Chemistry Dept.
stankus@portia.stanford.edu   Stanford University

From -9159182165714409794
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c6dc677f448b66d,start

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8c6dc677f448b66d,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 105d97,8c6dc677f448b66d,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-11-27 21:56:38 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!snorkelwacker.mit.edu!usc!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio,rec.radio.shortwave,sci.electronics
Subject: VLF Aircraft Radio Beacons
Keywords: VLF Beacons
Message-ID: <4251@radio.oakhill.UUCP>
Date: 28 Nov 90 05:56:38 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 17
Xref: gmdzi rec.ham-radio:17271 rec.radio.shortwave:2914 sci.electronics:9862
Posted: Wed Nov 28 06:56:38 1990

Across the USA there are hundreds of VLF aircraft navigation beacons know as NDB's (non-directional beacons). They operate in the 200 KHz to 400 Khz range.

Does anybody know what output power NDB's utilize? I can hear the CW identifier from them as much as 200 miles away and I am trying to determine whether this is excellent reception or just typical. My antenna is a homemade 'active' whip which is about 10 feet long. I was told that NDB's are low power in order to minimize interference between beacons operating on the same frequency in different geographical locations.

Knowing the answer to this question will help me determine the effectivness of my active VLF whip. WWVB comes in so-so at 60 KHz.

Thanks in advance,
Charlie WB4HVD

From -1883551623939096270
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6906a1d64aa3485d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 03:04:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!CRDEC7.APGEA.ARMY.MIL!wejones
From: wejones@CRDEC7.APGEA.ARMY.MIL ("William E. Jones III")
Newsgroups: rec.ham-radio
Subject: Space Shuttle Updates
Message-ID: <9011271139.aa05074@crdec7.apgea.army.mil>
Date: 27 Nov 90 16:39:58 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 124

Posted: Tue Nov 27 17:39:58 1990

This may or may not be of interest to people, but in addition to the shuttle status reports posted to this group, there are "Shuttle Status" (ss), "Payload Status" (ps), "Launch Advisories" (la), "Headline News", etc available on ames.arc.nasa.gov (128.102.18.3) via ftp. The are in a directory pub/SPACE and are in files such as ss11.26.90 (which means shuttle status for 11/26/90). There are so many files in this directory that doing an ls or directory isn't practical, but doing a

dir ss11* will give all Nov files for this and past years. The availability of the reports is not allways reliable, probably due to how busy the individual who posts them is. For the last three launches there was a flurry of reports up thru a few days before the launch, and then nothing. I'm not sure if the ametuer radio efforts are followed in the ps series or not, I've only read a few. An example of a recent ss file (ss11.26.90) follows.

****

Monday November 26, 1990 10:00 a.m. EST

KSC SPACE SHUTTLE PROCESSING STATUS REPORT

STS-35 -- Columbia (OV 102) - Pad 39-B

Work continued over the weekend on the shuttle Columbia for mission STS-35. A scheduled replacement of an APU gaseous nitrogen line quick disconnect was completed on Saturday. Sunday, the pad was closed for ordnance operations. Today, technicians will begin operations to pressurize the hypergolic tanks in the OMS pods. Work in the aft compartment will continue once the pad is open after completion of hypergolic operations today. Aft operations are scheduled to be completed Wednesday.

The payload bay doors will be opened later this evening and final servicing of the BBXRT payload is scheduled for Wednesday.

A target launch date for mission STS-35 and the ASTRO-1 observatory is expected to be announced following the Delta Flight Readiness Review. The FRR is scheduled to begin at 8:00 a.m. tomorrow in the Operations and Checkout Building's mission briefing room.

STS-39 -- Discovery (OV 103) - OPF Bay 1

Ammonia boiler freon loop decay checks were performed over the weekend on the orbiter Discovery in the Orbiter Processing Facility. Bubble soap leak checks were conducted with several leaks identified near the cold plate manifold. Work will continue today to replaced the cold plate manifold seals.

X-rays of the orbiter body flap have been completed and routine work on the wheels and tires will continue today.

STS-37 -- Atlantis (OV-104) - OPF Bay 2

Normal post-flight safing operations are continuing today on Atlantis in the Orbiter Processing Facility. Cryogenic drain operations were completed last Friday and the thruster plugs have been installed on the vehicle. The payload bay door strong backs are being installed today and the doors are scheduled to be opened tomorrow.

****

an example of a payload status (ps11.13.90) follows.

****

Daily Status/KSC Payload Management and Operations 11-13-90.

- STS-35 ASTRO-1/BBXRT (at Pad-B)

Experiment monitoring continues.

- STS-39 AFP-675/IBSS/STP-01 (at CCAFS)

CITE preps continue at the VPF. STP-01 will arrive at CCAFS today.

- STS-40 SLS-1 (at O&C)

Power on IPR/PR troubleshooting will be performed today. CITE closeout operations continue.

- STS-37 GRO (at PHSF)

No work is scheduled for today.

- STS-42 IML-1 (at O&C)

Module staging will be active today.

- STS-45 Atlas-1 (at O&C)

Experiment and pallet staging continue.

- STS-46 TSS-1 (at O&C)

Power on systems testing continues.

- STS-47 Spacelab-J (at O&C)

Rack staging will work today. Also the SREM will be
unloaded.

- STS-67 LITE (at O&C)

Pallet staging will be active today.

- HST M&R (at O&C)

Preps for the transportation of the pallet to GSFC will be
active today.

From 4698961639766500800
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d21f57ba57e0801e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 03:48:06 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!noose.ecn.purdue.edu!mentor.cc.purdue.edu!purdue!haven!mimsy!midway!midway.uchicago.edu!pbhx
From: pbhx@midway.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: Re: QSL Card Dimensions
Message-ID: <1990Nov27.161633.28045@midway.uchicago.edu>
Date: 27 Nov 90 16:16:33 GMT
References: <17562@netcom.UUCP>
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 20
Posted: Tue Nov 27 17:16:33 1990

In article <17562@netcom.UUCP> edg@netcom.UUCP (Edward Greenberg) writes:

>Rather than going to a QSL printer, I did some desktop publishing and took my
>QSL art to a copy shop. They did a good job except they made the cards 4 x
> 5.5 rather than 3.5 by 5.5. They defended their decision since the cards
> still fall in post office spec.

My work colleague, KE9ZM, used a Mac and Pixel Paint to do a rather wild QSL
card to use for his mobile contacts. He printed those on a Laserwriter
using postcard weight card. They are very nice (altho quite yellow).

Observing his production of the card, I seemed to recall that someone on the net generated cards using postscript. If my recollection is correct, I would appreciate corresponding with that person with the possibility of receiving the postscript commands.

Thanks.

Peter B. Hayward N9IZT
University of Chicago Computing Organizations

From 8908773473454439910
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98febe4d3d4dd16e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 03:52:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!SIUCVMB.BITNET!ST1860
From: ST1860@SIUCVMB.BITNET
Newsgroups: rec.ham-radio
Subject: Ten-Tec Paragon
Message-ID: <9011272304.AA26254@ucsd.edu>
Date: 27 Nov 90 20:09:56 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Tue Nov 27 21:09:56 1990

Date: 27 November 90, 14:03:51 CST
From: Gary R. Smith KE9MI 618-536-1095 ST1860 at SIUCVMB
To: INFO-HAMS at UCSD.EDU

I have a Tec-Tec Paragon and have been looking for ways to interface the rig with my computer. I know that Ten Tec offers a RS-232 interface, but they don't have any software. Does anyone have any suggestions or ideas that might help?? Also is the University Amateur Radio net still active?? And if so what is the schedule?? Any info that anyone could provide would be greatly appreciated....
....

Thanx..
Gary KE9MI

Internet: ST1860@siucvmb.cdale.siu.edu
Bitnet: ST1860@siucvmb.bitnet
School Phone: 618-536-1095

From 3723905247367848986
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 03:54:14 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!ux1.cso.uiuc.edu!

news.cs.indiana.edu!news.nd.edu!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Internet-Packet Reply (LONG!)
Message-ID: <602.27528414@w8grt.fidonet.org>
Date: 27 Nov 90 19:36:38 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 29
Posted: Tue Nov 27 20:36:38 1990

```
 > From: jbloom@uhasun.hartford.edu (Jon Bloom)
 > Date: 26 Nov 90 18:41:51 GMT
 > Organization: The University of Hartford
 > Message-ID: <366@ultrix.uhasun.hartford.edu>
 > Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,
 > rec.ham-radio
 >
 > Since you ask...
 >        97.115(b) The third party may participate in stating the
 >                  message where:
 >                    (1) The control operator is present at the control
 >                        point and is continuously monitoring and
 >                        supervising the third party's participation...
```

Thank you for sharing that with us. Unfortunately, it has nothing to do with the topic we were discussing. The segment you quote relates to a third-party DIRECTLY manipulating the amateur stations' on-the-air transmissions in real time. We are discussing non-realtime "store and forward" transmission of Internet newsgroups. In such a matter nothing is said about the mechanics of ensuring compliance with rules governing message content. There is no reason to assume, based on anything in Part 97, that a licensee or his designated control operator may not legally employ mechanical aids to enhance his ability to achieve that compliance with a minimum of physical labor.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!uunet!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -915300479162745535
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d21f57ba57e0801e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 04:03:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!emory!att!linac!midway!ellis.uchicago.edu!pbhx
From: pbhx@ellis.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: Re: QSL Card Dimensions
Message-ID: <1990Nov27.163454.28434@midway.uchicago.edu>
Date: 27 Nov 90 16:34:54 GMT

References: <17562@netcom.UUCP> <1990Nov27.161633.28045@midway.uchicago.edu>
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 26
Posted: Tue Nov 27 17:34:54 1990

Opps. Sorry to resubmit but my editor was set to a line length of about 132...

In article <17562@netcom.UUCP> edg@netcom.UUCP (Edward Greenberg) writes:
>
>Rather than going to a QSL printer, I did some desktop publishing and took my
>QSL art to a copy shop. They did a good job except they made the cards 4 x
> 5.5 rather than 3.5 by 5.5. They defended their decision since the cards
> still fall in post office spec.
>
>

My work colleague, KE9ZM, used a Mac and Pixel Paint to do a rather
wild QSL card to use for his mobile contacts. He printed those on a
Laserwriter using postcard weight card. They are very nice (altho
quite yellow).

Observing his production of the card, I seemed to recall that someone
on the net generated cards using postscript. If my recollection is
correct, I would appreciate corresponding with that person with the
possibility of receiving the postscript commands.

Thanks.
--

Peter B. Hayward   N9IZT
University of Chicago Computing Organizations

From -5919774711340828679
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,859bcb73a32c0f2c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 06:33:21 PST
Path: gmdzi!unido!mcsun!uunet!w8grt!f16.n234.z1.fidonet.org!Fred.Vobbe
From: Fred.Vobbe@f16.n234.z1.fidonet.org (Fred Vobbe)
Newsgroups: rec.ham-radio
Subject: JOB OPENING
Message-ID: <625.2754E91D@w8grt.fidonet.org>
Date: 28 Nov 90 14:33:21 GMT
Sender: ufgate@w8grt.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/16 - The Black Hole, Lima OH
Lines: 36
Posted: Wed Nov 28 15:33:21 1990

Job Opening: Television Broadcast.
Please indicate where you saw this notice.

November 27, 1990

WLIO Television has an opening for a Television Maintenance Technician. The applicant must have basic electronic skills as well as knowledge in broadcast television equipment operation and repair

The applicant will be responsible for maintaining video and audio systems, including audio tape cartridge and 3/4" U-matic tape, (soon to switch to M-II), and associated equipment in television broadcasting.

The applicant must also have RF knowledge on UHF Television Transmitters, UHF 2-way, 2 gHz microwave/ENG truck, and general transmission techniques. Computer knowledge and certification in radio service is preferred.

This position is full time with all normal benefits. All applicants to this position should contact Frederick R. Vobbe, Chief Engineer of WLIO Television, P.O. Box 1689, Lima, Ohio 45802. WLIO Television is an equal opportunity employer.

Frederick R. Vobbe, Chief Engineer WLIO(TV)

--- TBBS v2.1/NM
 * Origin: QSO DE The Black Hole BBS - Lima, Ohio (1:234/16)

--
Fred Vobbe - via FidoNet node 1:234/1
UUCP: ...!uunet!w8grt!16!Fred.Vobbe
INTERNET: Fred.Vobbe@f16.n234.z1.fidonet.org

From -4063759393084023448
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98febe4d3d4dd16e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 07:27:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!sdd.hp.com!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: Ten-Tec Paragon
Message-ID: <58130002@hpcupt1.cup.hp.com>
Date: 28 Nov 90 15:27:09 GMT
References: <9011272304.AA26254@ucsd.edu>
Organization: Hewlett Packard, Cupertino
Lines: 3
Posted: Wed Nov 28 16:27:09 1990

Actually they do have software. In fact the interface commands are

detailed in the manual. The IBM version cost $10. AES stocks it.
73's,Jim,WA6SDM

From -6521789535445165288
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b402e9112f203d1d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 09:02:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!agate!ucbvax!
HAMSTER.BUSINESS.UWO.CA!Mark
From: Mark@HAMSTER.BUSINESS.UWO.CA ("Mark Bramwell")
Newsgroups: rec.ham-radio
Subject: galaxy 3 transponder 5
Message-ID: <5899.Mark@HAMSTER.business.uwo.ca>
Date: 28 Nov 90 17:02:02 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: watmath!ria.ccs.uwo.ca!Hamster.Business.UWO.CA!Mark@uunet.UU.NET
Organization: The Internet
Lines: 17
Posted: Wed Nov 28 18:02:02 1990

G3-5 just went VC II+ ---> Cable Video Store

Has anyone figured out how to get a VC II to receive VC II+ datagrams.

Has anyone 'fixed' a VC II+?

In Canada this is legal. Therefore, if you are from U.S., don't send
nasty-grams to me.

```
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Mark Bramwell, VE3PZR                Located in sunny London, Ontario

Internet: mark@hamster.business.uwo.ca  IP Address: 129.100.22.100
  Packet:  VE3PZR @ VE3GYQ               UWO Phone: (519) 661-3714
```

From -4455570121210402555
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b8bf7f8e2765af51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 09:32:06 PST
Path: gmdzi!unido!mcsun!uunet!motcid!reichert
From: reichert@motcid.UUCP (Chuck KD9JQ)
Newsgroups: rec.ham-radio
Subject: fcc regulations
Keywords: reply
Message-ID: <4521@cocoa46.UUCP>
Date: 28 Nov 90 17:32:06 GMT

Distribution: rec
Organization: Motorola Inc., Cellular Infrastructure Div., Arlington Heights, IL
Lines: 7
Posted: Wed Nov 28 18:32:06 1990

You didn't mention what frequencies you're using? If you're talking the Ham Bands (I assume) then you're in violation of FCC Regulations using the repeater for business uses! If you are talking Business use frequencies, then you will have to talk to someone in the know at your local FCC office.

Chuck KD9JQ

From 4047148623209096645
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,87d9759ab2cbbbba
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 10:17:28 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!oakhill!nddsun1!dover!darla!waters
From: waters@darla.sps.mot.com (Strawberry Jammer)
Newsgroups: rec.ham-radio
Subject: Re: Dr-590 results
Summary: Comment and a new question
Message-ID: <2470@dover.sps.mot.com>
Date: 28 Nov 90 18:17:28 GMT
References: <9011261526.AA12053@lonexc.radc.af.mil>
Sender: usenet@dover.sps.mot.com
Reply-To: waters@darla.sps.mot.com (Strawberry Jammer)
Organization: Hacker's haven
Lines: 96
Posted: Wed Nov 28 19:17:28 1990

In article <9011261526.AA12053@lonexc.radc.af.mil> szarekw@LONEX.RADC.AF.MIL (William J. Szarek) writes:
{
{I am back with the results from my battle with alinco. For those who have
{seen this before and are familiar with my quest the new info is on the last
{page of this posting. For those who are not familiar read on. For those
{who don't care oh well . . . .

I also bought one of these and care very much! I agree with your assesment of the rig BTW, it is a good buy despite the deficiencies. THe detachable control head should be a really neat feature if I ever get it installed in my car (it was installed for a day and then the UHF started to howl with the volume up high - now waiting on warranty repair!)

{If you ask them (nicely) there are (a few) dudes at Alinco that are willing
{to help and are smart enought to be helpfull (there is a differance ;-}).
{They can fax you the information or even send it to you next day air at no
{charge if you ask politely or are VERY persistant (as in my case).

I have found their staff very willing to help, but lacking in support from
head office. Like the $10 service manual that still hasn't appeared - I
would really love to get a copy!

{Now the big news . . . to modify the rig to xmit out of band (to call the
{cops etc ;-}), to operate as a cross band remote, etc. follow these easy
{steps.

[modification steps deleted]

{This is what you will find . . .
{The rig now transmits everywhere.

This I do NOT consider a virtue, if I want to transmit out of band I want
to KNOW that I am doing it! I have caught myself twice now replying to a
VHF repeater on the UHF state police frequency. They use PL and I cought it
after getting only "Alpha Alpha OOOPS" out, but that is still not something
I like to do! All to easy in city traffic though.

{it now will display (not receive) 800Mhz band and 300Mhz band on the 440
{side of the display in rotation (press the uhf switch to switch from band
{to band)
{It will now display (not recieve) the aircraft band (yes it does indicate
{AM) on the 2 meter side of the rig. There is no AM detector presently but
{I am working on it.

I would love to see this whenever you figure it out. My ICOM 24AT actually
DOES receive ALL of these, so it should be doable. Transmit probably WON'T
work, but that's really not something I want (see above).

{Cross band operation:

I too plan to get a 45 Watt handhel this way. Only problem is that you
can't transmit until the repeater/other station drops their carrier. There
is no way (that I know of) to disable the full duplex!

Personally I find the handheld receiver works fine and would like to have
just a ONE WAY (VHF to UHF or UHF to VHF) as an option.

I find this is annoying with the dual band function too, it would be nice
to have the option to AUTOMATICALLY mute the "other" receiver. It can be
done mmanually, but I have other things to do on the freeway. ("FIRST fly
the plane/drive the car!")

{I am a bit miffed that Alinco didn't see this through. They could have created
{the all time worlds greatest mobile rig that would allow one to access it
{via 440 and then work any of your favorite 2 meter repeters operating as
{a remote base.

I agree, but hopefully hams can find mods/methods to accomplish 99% of
these.

{They even saw fit include a dtmf function that allows you

{to remote key the transmitter (rather than running as a repeater). This
{in conjunction with the other functions that are 1/2 implemented certainly
{say something about Alinco.

Is this the "remote base" function that I mentioned above?

{Counter point
{It is still a great radio and I would buy it again still knowing what I know
{now. The only differance is that I wouldn't be as disappointed when I found
{out that the rig doesn't "really" do all that Alinco says it can do.
{
{Any way I hope you enjoy your rig as much as I enjoy mine.
{
So far I sure have! Even if I had to return it for repair. It would be nice
if they bought an IC24AT and studied the manual :-) ICOM seems to do a MUCH
better job of "thinking through" their operating procedures. Possibly this
is related to the size of the company, but ...

Any more DR590 user out there with neat ideas?

*Mike Waters   AA4MW/7 waters@dover.sps.mot.com *

There is no right way to do wrong.

From -4110649838895117980
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0aaa3358b071a9a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 11:07:30 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!rutgers!mcnc!rti!dg-rtp!aquila!harrism
From: harrism@aquila.rtp.dg.com (Mike Harris)
Newsgroups: rec.ham-radio
Subject: Re: Antenna Matching
Message-ID: <1990Nov28.190730.7848@dg-rtp.dg.com>
Date: 28 Nov 90 19:07:30 GMT
References: <FAA5656555BF200363@uncg.bitnet>
Sender: usenet@dg-rtp.dg.com (Usenet Administration)
Reply-To: harrism@dg-rtp.dg.com
Organization: Data General Corp., Research Triangle Park, NC
Lines: 47
Posted: Wed Nov 28 20:07:30 1990

In article <FAA5656555BF200363@uncg.bitnet>, MOSIER@UNCG.BITNET (Steve Mosier) writes:
|> I'm in need of antenna guru advice.
|>
|> I am putting up a Zepp antenna cut for 7.1 MHz. The ARRL Handbook says that
|> such an antenna fed with balanced line will operate at all frequencies above
|> what it is cut for. It also says that the feed line should drop

|> perpendicularly away from the antenna for at least a quarter wavelength. My
|> question is what to do with it after that. I know it needs to go into my
|> transmatch, but after it drops a quarter-wavelength, it is down at ground level
|> (I could only get the dipole about 35 feet in the air). My rig is on the
|> second floor of the house. Now, do I just turn the balanced line around, go
|> back up in the air, under the window, across the room, and to the transmatch?
|> Or do I make a balun of some sort to a coax transition at ground level and then
|> handle the coax from there on as usual (i.e., running it anywhere I can get it
|> through the house walls).   There is a well-advertised commercial antenna (is
|> it a G5RB dipole or something like that?) that drops balanced line for quite a
|> way into a "black box" with coax out. What sort of a balun is that? Never
|> having used balanced line before, I'm a little uncertain of what I can do with
|> it, namely where I can run it, what kind of corners I can turn, etc. (As a
|> starter, I'm using that real wide stuff that looks like TV twin lead with
|> alternating patches of the center plastic cut out. After I learn to handle
|> that, I though I would look for some of the open wire with discrete spacers.)
|> Having only used coax feed for 33 years, I thought it was time to learn
|> balanced line.
|>
|> Steve - W3GRG
|> mosier@uncg.bitnet
|>
The quarter wave perpendicular drop is "ideal". Ideal and reality
are often quite different. I'd suggest running where it's convenient
keeping an eye on what's "ideal". I.E. Run it to the shack all the
way with the open line and keep it off the ground and preferably out
of your and your kids way.

If you really want to go to coax, be sure you use a very high quality
coax as you'll have high SWRs and accompanying losses on it. The quarter
wave stub matching to coax will only work well on the lowest frequency it's
cut for anyway.

My $5.00 worth is to run the ladderline the whole way, to keep it off
of the ground, and out of your way. It'll work great - mine does!

--

Mike Harris - KM4UL   harrism@dg-rtp.dg.com
Data General Corporation   {world}!mcnc!rti!dg-rtp!harrism
Research Triangle Park, NC

From 2266234684506961404
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2ef1300c1a991b57,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 11:14:23 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!usc!ucsd!network.ucsd.edu!dcdwest!plb
From: plb@dcdwest.uucp (Phil Blais)
Newsgroups: rec.ham-radio
Subject: Kenwood TM-731A Mods

Message-ID: <1990Nov28.191423.22424@dcdwest.uucp>
Date: 28 Nov 90 19:14:23 GMT
Organization: ITT Defense Communications Division - West
Lines: 23
Posted: Wed Nov 28 20:14:23 1990

Mod number 1: I need to defeat the 2 second delay 'feature' which allows
               use of the DTMF keys without having to hold the PTT in.
               This little "feature" is a pain in the rear if one is
               trying to listen to the confirming telemetry when
               controlling links. I've heard that there is either a diode
               or resistor in the mic which gets clipped to do this but
               wud like specifics before cutting :-)

Mod number 2: Has anyone ever figured out a way to get 'sidetone'
               feedback when using the DTMF keys on this rig or similar?
               IMO audible feedback would be a very desirable feature
               when using the keypad. Especially with the crummy keys
               that are on the new mic that Kenwood sells with the 731A
               and similar sets.

Thanks in advance...

```
--
phil blais  N6KXD (ex WD6ETL)     ITT    Aerospace Communications Division
dcdwest!plb@ucsd.edu           DEFENSE    10060 Carroll Canyon Road
ucbvax!ucsd!dcdwest!plb                      San Diego, CA 92131
```

From -3799808731516742791
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e64e132bb88a4f98,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-28 11:17:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!MEMSTVX1.BITNET!SKAGOO
From: SKAGOO@MEMSTVX1.BITNET (Suresh Kagoo)
Newsgroups: rec.ham-radio
Subject: RC-850 Controller Info Needed
Message-ID: <9011282105.AA25855@ucsd.edu>
Date: 28 Nov 90 19:17:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Wed Nov 28 20:17:00 1990

I am the Vice President of the Delta Amateur Radio Club here in Memphis, TN. We have about 300 members in our club who use our three repeaters. We have a RC-85 controller from ACC which controls our 2m and 220 linked repeater system. We have a S-com 5K controller on our 440 repeater. The main project for the coming year is to upgrade the RC-85 controller. The obvious choice was to go for a RC-850 controller. I would be interested to hear about any comments from control operators, programmers, or even users of the 850 controller. I would specially be interested in any problems, software or hardware with the RC-850.

Suresh Kagoo N9GSA

****

Suresh Kagoo   soon-->Internet: Skagoo@memstvx1.memst.edu
Academic Computer Services   Suresh.Kagoo@f16.n123.z1.Fidonet.Org
Memphis State University   Bitnet : SKAGOO@MEMSTVX1
Memphis, Tennessee   Amateur Radio : N9GSA
                                   FIDONET : 1:123/16
                                   Others available on request

"Sri Lanka a taste of Paradise"
****

From -1816763336227718191
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b3ed40b21493733,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,4b3ed40b21493733,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-11-24 22:47:53 PST
Xref: utzoo sci.electronics:15824 rec.ham-radio:27309
Path: utzoo!utgpu!news-server.csri.toronto.edu!rutgers!mit-eddie!bloom-beacon!snorkelwacker.mit.edu!apple!julius.cs.uiuc.edu!usc!cs.utexas.edu!wuarchive!udel!haven!mimsy!prometheus!media!csense!bote
From: bote@csense.uucp (John Boteler)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Curing Grappler Box RFI
Keywords: RFI grappler macintosh
Message-ID: <1990Nov25.064753.186@csense.uucp>
Date: 25 Nov 90 06:47:53 GMT
Followup-To: poster
Distribution: usa
Organization: Common Sense Computing, McLean, VA.
Lines: 23

Has anyone had any success in reducing the incredibly high amount of RF radiated from their Grappler box?

My housemate has one hooked to a Mac and the thing makes most of the frequencies in my scanner and ham equipment useless, throwing birdies out all over the place.

I tore it apart with the intent of hanging capacitors everywhere, but they actually bothered to do some filtering at the factory. I added a 0.047uF across

the output terminals of the 7805 voltage regulator
for good measure, but the source of the interference
is the execution of the on-board Z8's program.

Please email responses since my feed and my news partition
don't feel well. The clock starts ticking now; if
there is no cure, I'm tempted to Grapple the thing
into the ocean!

--
John Boteler   bote@csense   {uunet | ka3ovk}!media!csense!bote
SkinnyDipper's Hotline: 703 241 BARE | VOICE only, Touch-Tone(TM) signalling

From 4787662192144374735
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1de06ed82bf25813
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-25 01:11:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!psuvax1!rutgers!
netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: HYPERCARD STACKS
Message-ID: <156@platypus.uofs.edu>
Date: 24 Nov 90 15:43:14 GMT
References: <12640232988.18.LSPRINGSTEEN@WSMR-SIMTEL20.ARMY.MIL>
Organization: University of Scranton, Scranton, PA
Lines: 13
Posted: Sat Nov 24 16:43:14 1990

For people on the East Coast, who don't want to pull them from CA., I have
put them in pub/HAM-RADIO on platypus.uofs.edu. Feel free to grab them from
there.

bill   KB3YV

--

     Bill Gunshannon | If this statement wasn't here,
     bill@platypus.uofs.edu | This space would be left intentionally blank

From -7140274081741243759
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3b369ecb66bfc69d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109c0d,3b369ecb66bfc69d,start
X-Google-Attributes: gid109c0d,public

X-Google-Thread: f76e2,3b369ecb66bfc69d,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-25 06:09:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!acf5!spector
From: spector@acf5.NYU.EDU (David HM Spector)
Newsgroups: rec.ham-radio.swap,misc.forsale,rec.ham-radio
Subject: Ham Radio for Sale!
Keywords: TS-140S, HamRadio, good deal!
Message-ID: <1356@acf5.NYU.EDU>
Date: 24 Nov 90 23:40:39 GMT
Followup-To: poster
Organization: New York University
Lines: 32
Xref: gmdzi rec.ham-radio.swap:820 misc.forsale:3140 rec.ham-radio:17127
Posted: Sun Nov 25 00:40:39 1990

ForSaleForSaleForSaleForSaleForSaleForSaleForSaleForSaleForSaleForSaleForSale
ForSaleForSaleForSaleForSaleForSaleForSaleForSaleForSaleForSaleForSaleForSale

Ham Radio Tranceiver For Sale

One Kenwood TS-140S, HF 100W transceiver.

Excellent condition, only problem is that the hexnut on the tuner knob is stripped (a new one costs about $10 direct from Kenwood..).

This rig cost me $1100 when new, it has very little air time, and I wouldn't sell it except I am getting a new apartment and I really need the $$$.

I will accept any offer over $800.

David HM Spector, N2BCA
Spector@NYU.EDU -or- ...!{apple, cmcl2}!panix!spector

```
-----------------------------------------------------------------------------
                                                        David HM Spector
Software Developer & Nice Guy                           310 West 18th Street 5A
ARPAnet: SPECTOR@NYU.EDU                                New York, N.Y. 10011
Usenet: ..!{uunet,rocky,harvard}!cmcl2!spector          voice: (212) 243-5548
HamRadio: N2BCA (44.68.0.50)  MCIMail: DSpector         data:  (212) 255-6995
AppleLink: DHMSpector   CompuServe: 71260,1410
"Capital punishment is our society's recognition of the sanctity of human life"
                        - Senator Orrin Hatch
"The two most common things in the universe are hydrogen and stupidity."
                        - Harlan Ellison
```

From 7340666449646139400
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f1731b7b49b0bfff

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-25 10:17:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!
news.cs.indiana.edu!news.nd.edu!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Novice License for $150 ??
Message-ID: <598.274FF72A@w8grt.fidonet.org>
Date: 25 Nov 90 18:17:35 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 20
Posted: Sun Nov 25 19:17:35 1990
```

> From: kaufman@Neon.Stanford.EDU (Marc T. Kaufman)
> Date: 25 Nov 90 02:09:09 GMT
> Organization: Computer Science Department, Stanford University
> Message-ID: <1990Nov25.020909.26032@Neon.Stanford.EDU>
> Newsgroups: rec.ham-radio
>
> The boaters taking the Novice seminar ALSO view this as life-safety. At
> least they want to be legal about transmitting with their HF radios.

Considering the yacht clubs with crooked VE's who pass out licenses willy nilly, I'd say those taking the West course are a real step up. I truly can't fathom why anyone would object to novice training seminars - unless it's to maintain the illusion the becoming a ham is somehow mystical and a mighty deed only a few magic people can accomplish.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

```
From -2562266626831677727
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8f145a41cf2dc158,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-25 13:57:36 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!bu.edu!wang!tosspot!lee
From: lee@tosspot (Lee Reynolds)
Newsgroups: rec.ham-radio
Subject: Digest
Message-ID: <XZV6s1w163w@tosspot>
Date: 24 Nov 90 22:22:20 GMT
Organization: Ludus Associates Incorporated
Lines: 5
Posted: Sat Nov 24 23:22:20 1990
```

Anyone out there that could kindly provide me with the address
for the info-hams digest?

Thanks,
Lee

From -4019130880352530425
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7329bbb194e2e5d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-25 13:58:49 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!portal!cup.portal.com!UKTONY
From: UKTONY@cup.portal.com (Tony C Harding)
Newsgroups: rec.ham-radio
Subject: Re: WANTED: Distance formulas
Message-ID: <36203@cup.portal.com>
Date: 24 Nov 90 23:21:04 GMT
References: <1990Nov21.081312.15582@lth.se>
Organization: The Portal System (TM)
Lines: 134
Posted: Sun Nov 25 00:21:04 1990

```
10 ' GREAT CIRCLE DISTANCE PROGRAM
11 ' LOCATED ON DISK OFFLIN-001 , FILESPEC IS: GRCIRDIS.BAS
12 CLS
30 PRINT "*******************************************************************"
31 PRINT "*******************************************************************"
40 PRINT
50 PRINT "                  GREAT CIRCLE DISTANCE"
60 PRINT
70 PRINT
75 PRINT "THIS PROGRAM WILL COMPUTE THE GREAT CIRCLE DISTANCE IN MILES AND IN"
80 PRINT "KILOMETERS BETWEEN ANY TWO POINTS FOR WHICH THE LATITUDE AND LONGI-"
85 PRINT "TUDE ARE GIVEN."
90 PRINT
95 PRINT "WHEN ENTERING LATITUDE AND LONGITUDE, THE DEGREES AND MINUTES FOR"
100 PRINT "SOUTH LATITUDE AND EAST LONGITUDE MUST BE ENTERED AS NEGATIVES."
105 PRINT
110 PRINT
115 PRINT "PRESS <RETURN> IF YOU ARE READY TO START ";
120 INPUT Z$
125 CLS
150 PRINT
155 PRINT "********************        REMEMBER         ********************"
160 PRINT "                           __________"
162 PRINT
164 PRINT
166 PRINT
168 PRINT "#################################################################"
169 PRINT "#################################################################"
170 PRINT "###                                                           ###"
172 PRINT "###                                                           ###"
174 PRINT "###                                                           ###"
176 PRINT "###       NORTH IS +                      SOUTH IS -          ###"
```

```
178 PRINT "###       WEST  IS +                      EAST  IS -          ###"
180 PRINT "###                                                           ###"
182 PRINT "###                                                           ###"
184 PRINT "###                                                           ###"
186 PRINT "#################################################################"
188 PRINT "#################################################################"
190 PRINT
192 PRINT "THE ABOVE INFORMATION IS MOST IMPORTANT.  IF YOU USE THE WRONG"
194 PRINT "SIGN, ALL CALCULATIONS WILL BE INCORRECT. ***********************"
196 PRINT
197 PRINT "PRESS <RETURN> TO CONTINUE -- OK ";
198 INPUT Z$
199 PRINT
440 CLS
445 PRINT "*****************************************************************"
450 PRINT
460 PRINT "PLEASE INPUT THE NAME OF POINT A ";
470 INPUT A$
490 PRINT
500 PRINT "ENTER DEGREES OF LATITUDE: ";
510 INPUT BD
530 PRINT "ENTER MINUTES OF LATITUDE: ";
540 INPUT BM
560 LET B=BD+(BM/60)
570 PRINT
580 PRINT "ENTER DEGREES OF LONGITUDE: ";
590 INPUT CD
610 PRINT "ENTER MINUTES OF LONGITUDE: ";
620 INPUT CM
640 LET C=CD+(CM/60)
650 PRINT
655 PRINT "-----------------------------------------------------------------"
656 PRINT
660 PRINT "PLEASE INPUT THE NAME OF POINT B ";
670 INPUT D$
690 PRINT
700 PRINT "ENTER DEGREES OF LATITUDE: ";
710 INPUT ED
730 PRINT "ENTER MINUTES OF LATITUDE: ";
740 INPUT EM
760 LET E=ED+(EM/60)
770 PRINT
780 PRINT "ENTER DEGREES OF LONGITUDE: ";
790 INPUT FD
800 PRINT "ENTER MINUTES OF LONGITUDE: ";
810 INPUT FM
832 PRINT
836 PRINT "******************************************************************"
840 LET F=FD+(FM/60)
842 FOR Z=1 TO 5500
845 NEXT Z
850 CLS
860 LET G=(90-B)/180*3.14159265#
```

```
870 LET K=ABS (C-F)
880 LET L=(90-E)/180*3.14159265#
890 LET N=(G+L)/2
900 LET P=(G-L)/2
910 LET Q=(K/2)/180*3.14159265#
920 LET R=ATN (((COS (Q)/SIN (Q))*(COS (P))/COS (N)))
930 LET S=ATN ((COS (Q)/SIN (Q))*SIN (P)/SIN (N))
940 LET T=ATN ((SIN (P)/COS (P))*SIN (R)/SIN (S))
970 LET J=(2*T)/3.14159265#*180
980 LET U=INT ((J*69.113)+.5)
990 IF U<0 THEN LET U=U*(-1)
1000 PRINT "*****************************************************************"
1005 PRINT "*****************************************************************"
1025 PRINT A$
1032 PRINT "      LATITUDE: ";INT (B*1000)/1000;" DEGREES"
1040 PRINT "     LONGITUDE: ";INT (C*1000)/1000;" DEGREES"
1050 PRINT
1060 PRINT D$
1070 PRINT "      LATITUDE: ";INT (E*1000)/1000;" DEGREES"
1080 PRINT "     LONGITUDE: ";INT (F*1000)/1000;" DEGREES"
1090 PRINT
1094 PRINT "-----------------------------------------------------------------"
1100 PRINT
1110 PRINT "THE DISTANCE FROM"
1112 PRINT A$;" TO"
1114 PRINT D$;" IS:"
1130 PRINT U;" MILES OR ";INT (U*6336/3937);" KILOMETERS"
1140 PRINT
1150 PRINT "*****************************************************************"
1154 PRINT
1160 PRINT "ANOTHER CASE (Y/N) ";
1162 INPUT H$
1164 PRINT
1170 IF H$="Y" THEN GOTO 440
1172 IF H$="N" THEN GOTO 1200
1174 GOTO 1162
1200 CLS
1202 PRINT "////////////////////////////////////////////////////////////////"
1204 PRINT
1206 PRINT "THIS PROGRAM HAS ENDED *****************************************"
1208 PRINT
1210 PRINT
1220 PRINT
1230 PRINT
1240 PRINT
1250 PRINT
```

n of how to do it:

Fido systems use numerical addressin

From -7064484191445970181
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,7edc04c1ad58088d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-25 14:04:43 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!ALF.UNOMAHA.EDU!pschleck
From: pschleck@ALF.UNOMAHA.EDU (Paul W. Schleck KD3FU)
Newsgroups: rec.ham-radio
Subject: Looking for back copies of FM/RPT
Message-ID: <9011250322.AA18009@alf.unomaha.edu>
Date: 25 Nov 90 03:22:28 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Lines: 8
Posted: Sun Nov 25 04:22:28 1990

Looking for copies of FM/RPT or a similarly named magazine from the middle
and early '70s. This is in conjunction with my Student Information Net
research. I am willing to pay mailing and/or reproduction costs. I am
particularly interested in articles related to the SIN (obviously!)

73, Paul W. Schleck, KD3FU

pschleck@alf.unomaha.edu

From -9205339609858951468
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,47b7b055b678e08e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-25 16:39:00 PST
Path: gmdzi!unido!mcsun!uunet!comp.vuw.ac.nz!actrix!fnet!Phil_Howard_Kawgn
From: Phil_Howard_Kawgn@f110.n771.z3.fidonet.org (Phil Howard Kawgn)
Newsgroups: rec.ham-radio
Subject: where to find 559 RADIO related files for anonymous FTP
Message-ID: <9011272035.AA9259@f170.n771.z3.fidonet.org>
Date: 26 Nov 90 00:39:00 GMT
Reply-To: Phil_Howard_Kawgn@f170.n771.z3.fidonet.org (Phil Howard Kawgn)
Lines: 844
Posted: Mon Nov 26 01:39:00 1990
Comment-To: All@f170.n771.z3.fidonet.org

From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Keywords: radio ftp
Lines: 569
Organization: University of Illinois at Urbana

These are files that matched "radio" in their pathnames. There were 559
files
that matched. This is not a guarantee that the files actually are related
toham radio or shortwave radio.

(there are 559 files listed)

```
ajpo.sei.cmu.edu:     5330 Jun 29  1988 public/infoada/X/x_toolkit/doc/radio_
```

```
buttons.doc
alfred.ccs.carleton.ca:     1677 Nov 25  1989 pub/gnu/x11.r4/src/contrib/
clients/winterp/examples/radiobox1.lsp
alfred.ccs.carleton.ca:     2318 Nov 25  1989 pub/gnu/x11.r4/src/contrib/
clients/winterp/examples/radiobox2.lsp
allspice.lcs.mit.edu:       85 Feb  6  1990 pub/ham-radio/gdt/ka9q_turbo.cfg
allspice.lcs.mit.edu:     2723 Jan 25  1990 pub/ham-radio/gdt/nos-se
allspice.lcs.mit.edu:     1605 Jan 25  1990 pub/ham-radio/gdt/nos-se-porting
allspice.lcs.mit.edu:     7484 Jan 20  1990 pub/ham-radio/nos-instructions
allspice.lcs.mit.edu:     8548 Aug 20 12:43 pub/ham-radio/rspf/arp.c
allspice.lcs.mit.edu:    10519 Aug 20 12:43 pub/ham-radio/rspf/ax25.c
allspice.lcs.mit.edu:     6775 Aug 20 12:44 pub/ham-radio/rspf/commands.h
allspice.lcs.mit.edu:    15473 Aug 20 12:44 pub/ham-radio/rspf/config.c
allspice.lcs.mit.edu:     1482 Aug 20 12:44 pub/ham-radio/rspf/internet.h
allspice.lcs.mit.edu:     1899 Aug 20 12:44 pub/ham-radio/rspf/ipdump.c
allspice.lcs.mit.edu:    47015 Aug 20 12:39 pub/ham-radio/rspf/rspf.arc
allspice.lcs.mit.edu:    43111 Aug 20 12:44 pub/ham-radio/rspf/rspf.c
allspice.lcs.mit.edu:     3501 Aug 20 12:44 pub/ham-radio/rspf/rspf.h
allspice.lcs.mit.edu:     2605 Aug 20 12:44 pub/ham-radio/rspf/rspfdump.c
allspice.lcs.mit.edu:     4870 Aug 20 12:44 pub/ham-radio/rspf/rspfhdr.c
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ames.arc.nasa.gov:      549 Jan 22  1990 pub/SPACE/radio01.22.90
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radio.txt
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ftp.ncsa.uiuc.edu:   292506 Aug 13 07:17 pub/salzman/radiosity.ps.Z.uu
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samba.acs.unc.edu:    16440 Apr  5  1990 pub/mac_misc/macs-and-ham-radio.txt
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suntan.tandem.com:    54829 Feb  5  1990 hamradio/utlmd.arc
tandem.com:     5115 Jan 16  1990 hamradio/IP-addr.assigners
tandem.com:   232097 Aug 29 07:51 hamradio/dc14h.arc
tandem.com:    21309 Mar  4  1990 hamradio/drsi0304.arc
tandem.com:   166625 Apr 26  1990 hamradio/image_program.sit.hqx
tandem.com:    71528 Apr 20  1990 hamradio/mbb34src.zip
tandem.com:    14340 Dec 18  1989 hamradio/pclana.arc
tandem.com:    23528 Jun 17 18:47 hamradio/pkunzip.exe
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tandem.com:   128482 Aug 22 12:29 hamradio/sm309.arc
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tandem.com:   158665 Jan 29  1990 hamradio/usat-tlm.arc
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ucsd.edu:    76005 Jul 12  1988 hamradio/88-121.arc
ucsd.edu:    55719 Feb 28  1989 hamradio/AMPR.ORG.890228
ucsd.edu:     8541 Nov 29  1989 hamradio/DSY-ROM
ucsd.edu:      788 Feb 25  1988 hamradio/FCC
ucsd.edu:    17903 Jun 28 04:16 hamradio/KISS
ucsd.edu:    34905 Oct 26  1988 hamradio/a802.txt
ucsd.edu:    16203 Dec  5  1988 hamradio/a802.txt.Z
ucsd.edu:    20992 Jul 26  1988 hamradio/alpha.arc
ucsd.edu:   128445 Oct 31 13:03 hamradio/ampr.org
ucsd.edu:   166714 Oct 31 13:03 hamradio/ampr.org.rev
ucsd.edu:    99365 Oct 31 13:04 hamradio/amprhosts
ucsd.edu:   114688 Dec  5  1988 hamradio/arrl.tar
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ucsd.edu:    40833 Sep 12  1988 hamradio/ax25bbs.cpio.Z
ucsd.edu:    15677 Mar 14  1990 hamradio/bcast.zip
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ucsd.edu:    52375 Jun  2  1989 hamradio/bpq313.com
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ucsd.edu:    15384 Sep 12  1988 hamradio/net.tn.cpio.Z
ucsd.edu:     8773 May 17  1989 hamradio/net_890421.1/README
ucsd.edu:    39420 May 17  1989 hamradio/net_890421.1/bm_src.arc
ucsd.edu:    85066 May 17  1989 hamradio/net_890421.1/drivers.arc
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ucsd.edu:   138526 Jul 15  1988 hamradio/netst.arc
ucsd.edu:   405578 Dec  5  1988 hamradio/nos.arc
ucsd.edu:   169332 Dec  5  1988 hamradio/nrnet.arc
ucsd.edu:    92981 Jun 18 02:42 hamradio/sm213.zip
ucsd.edu:   128482 Aug 22 19:31 hamradio/sm309.arc
ucsd.edu:     6498 May 12  1988 hamradio/thenet/thenet.flame
ucsd.edu:     4005 May 11  1988 hamradio/thenet/thenet.info
ucsd.edu:     3692 May  2  1988 hamradio/thenet/thenet.par
ucsd.edu:   579556 Feb 23  1990 hamradio/weberpic.tar.Z
utsun.s.u-tokyo.ac.jp:    16440 Oct  9  1989 Mac/info-mac/misc/macs-and-ham-
radio.txt
uwasa.fi:    13436 Dec 22 08:15 pc/ts/radio11.arc
ux1.cso.uiuc.edu:     1677 Nov 25  1989 uiuc/src/X11R4/contrib/clients/
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ux1.cso.uiuc.edu:     2318 Nov 25  1989 uiuc/src/X11R4/contrib/clients/
winterp/examples/radiobox2.lsp
ux1.cso.uiuc.edu:      289 Aug 10  1989 uiuc/src/X11R4/contrib/toolkits/
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ux1.cso.uiuc.edu:      284 Aug 10  1989 uiuc/src/X11R4/contrib/toolkits/
InterViews/src/InterViews/Bitmaps/radioBoth.bm
ux1.cso.uiuc.edu:      294 Aug 10  1989 uiuc/src/X11R4/contrib/toolkits/
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ux1.cso.uiuc.edu:      279 Aug 10  1989 uiuc/src/X11R4/contrib/toolkits/
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widgets/suit/St/StRadioSw.h
ux1.cso.uiuc.edu:     3697 Nov 29  1989 uiuc/src/X11R4/contrib/toolkits/suit/
widgets/suit/St/StRadioSwP.h
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widgets/suit/lib/StRadioSw.c
ux1.cso.uiuc.edu:     3146 Nov 29  1989 uiuc/src/X11R4/contrib/toolkits/suit/
widgets/suit/lib/StRadioSwI.h
vega.hut.fi:    18817 Feb 15  1990 pub/pc/hamradio/gc103.lzh
vega.hut.fi:    10423 Aug  8 12:49 pub/pc/tsutil/radio11.lzh
watserv1.waterloo.edu:      329 Aug 20  1988 XV11R3/CONTRIB1/contrib/widgets/
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watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/
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toolkits/Xr11/testsuite/Editordir/scripts/radiobutton/m_getitemrects/script4
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toolkits/Xr11/testsuite/Editordir/scripts/radiobutton/m_getitemstate/script1
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/
toolkits/Xr11/testsuite/Editordir/scripts/radiobutton/m_getitemstate/script2
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/
toolkits/Xr11/testsuite/Editordir/scripts/radiobutton/m_getitemstate/script3
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watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/
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watserv1.waterloo.edu:      585 Feb 19  1988 XV11R3/CONTRIB2/contrib/
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toolkits/Xr11/testsuite/Editordir/scripts/radiobutton/m_move/script2
watserv1.waterloo.edu:      585 Feb 19  1988 XV11R3/CONTRIB2/contrib/
toolkits/Xr11/testsuite/Editordir/scripts/radiobutton/m_move/script3
watserv1.waterloo.edu:      585 Feb 19  1988 XV11R3/CONTRIB2/contrib/
toolkits/Xr11/testsuite/Editordir/scripts/radiobutton/m_move/script4
watserv1.waterloo.edu:      450 Feb 19  1988 XV11R3/CONTRIB2/contrib/
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watserv1.waterloo.edu:      450 Feb 19  1988 XV11R3/CONTRIB2/contrib/
toolkits/Xr11/testsuite/Editordir/scripts/radiobutton/m_new/script2
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toolkits/Xr11/testsuite/Editordir/scripts/radiobutton/m_new/script3
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toolkits/Xr11/testsuite/Editordir/scripts/radiobutton/m_redraw/script2
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toolkits/Xr11/testsuite/Editordir/scripts/radiobutton/m_redraw/script3
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/
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watserv1.waterloo.edu:      540 Feb 19  1988 XV11R3/CONTRIB2/contrib/
toolkits/Xr11/testsuite/Editordir/scripts/radiobutton/m_redrawactive/script3
watserv1.waterloo.edu:      540 Feb 19  1988 XV11R3/CONTRIB2/contrib/
toolkits/Xr11/testsuite/Editordir/scripts/radiobutton/m_redrawactive/script4
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/
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toolkits/Xr11/testsuite/Editordir/scripts/radiobutton/m_redrawall/script2
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toolkits/Xr11/testsuite/Editordir/scripts/radiobutton/m_redrawall/script4
watserv1.waterloo.edu:      675 Feb 19  1988 XV11R3/CONTRIB2/contrib/
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toolkits/Xr11/testsuite/Editordir/scripts/radiobutton/m_resize/script2
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toolkits/Xr11/testsuite/Editordir/scripts/radiobutton/m_resize/script3
watserv1.waterloo.edu:      675 Jul 23  1988 XV11R3/CONTRIB2/contrib/
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watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/
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toolkits/Xr11/testsuite/Editordir/scripts/radiobutton/m_setitemstate/script2
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toolkits/Xr11/testsuite/Editordir/scripts/radiobutton/m_setitemstate/script3
watserv1.waterloo.edu:      990 Feb 19  1988 XV11R3/CONTRIB2/contrib/
toolkits/Xr11/testsuite/Editordir/scripts/radiobutton/m_setitemstate/script4
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watserv1.waterloo.edu:      495 Jun 29  1988 XV11R3/CONTRIB2/contrib/
toolkits/Xr11/testsuite/Editordir/scripts/radiobutton/m_size/script2
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/
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watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/
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toolkits/Xr11/testsuite/Editordir/scripts/radiobutton/m_visible/script2
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/
toolkits/Xr11/testsuite/Editordir/scripts/radiobutton/m_visible/script3
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/
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toolkits/Xr11/testsuite/Editordir/scripts16/radiobutton/m_new/script2
wuarchive.wustl.edu:    16440 Jun  2  1989 mirrors/info-mac/misc/macs-and-
ham-radio.txt
wuarchive.wustl.edu:     6233 Mar 12  1990 mirrors/misc/hamradio/10mbeacon.
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wuarchive.wustl.edu:    13811 Nov 24  1988 mirrors/misc/hamradio/200xltbt.
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lst
wuarchive.wustl.edu:     2227 Oct 14  1988 mirrors/misc/hamradio/antennas.
bas
wuarchive.wustl.edu:     6106 Dec 22  1988 mirrors/misc/hamradio/buternut.
tip
wuarchive.wustl.edu:    18991 Jan 13  1989 mirrors/misc/hamradio/callbook.c
wuarchive.wustl.edu:     1418 Dec 21  1988 mirrors/misc/hamradio/cell.c
wuarchive.wustl.edu:    14643 Nov 16  1985 mirrors/misc/hamradio/cellular.
sieve
wuarchive.wustl.edu:     1999 Sep 24  1988 mirrors/misc/hamradio/chart.c
wuarchive.wustl.edu:     7287 Aug  2  1987 mirrors/misc/hamradio/codetest.
hints
wuarchive.wustl.edu:    15707 Apr  9  1988 mirrors/misc/hamradio/computer.
icom
wuarchive.wustl.edu:     1805 Jul  4  1987 mirrors/misc/hamradio/discone.
antennas
wuarchive.wustl.edu:    35911 Jul 13  1988 mirrors/misc/hamradio/dxlocate.
lst
wuarchive.wustl.edu:    62601 Mar  2  1990 mirrors/misc/hamradio/ecpa.txt
wuarchive.wustl.edu:     2176 Jul  1  1987 mirrors/misc/hamradio/eletrans.c
wuarchive.wustl.edu:    25298 Sep 22  1989 mirrors/misc/hamradio/fcc-prb1.
txt
wuarchive.wustl.edu:     7510 Jan 31  1987 mirrors/misc/hamradio/ft-727r.
review
wuarchive.wustl.edu:     2051 Jan  3  1990 mirrors/misc/hamradio/gc102.bas
wuarchive.wustl.edu:    12300 May  9  1987 mirrors/misc/hamradio/hfprop.bas
wuarchive.wustl.edu:     5036 Jul  1  1989 mirrors/misc/hamradio/how2bcum.
ham
wuarchive.wustl.edu:     6682 Jul  4  1987 mirrors/misc/hamradio/ic-12at.
review
wuarchive.wustl.edu:     2715 Jun 17  1989 mirrors/misc/hamradio/ic-32at.mod
wuarchive.wustl.edu:     2424 Jun  5  1985 mirrors/misc/hamradio/ic02a.mod
wuarchive.wustl.edu:     3294 Mar 10  1986 mirrors/misc/hamradio/ic02atr.mod
wuarchive.wustl.edu:     6855 Oct  6  1986 mirrors/misc/hamradio/ic28h.
review
wuarchive.wustl.edu:     9842 Sep 29  1989 mirrors/misc/hamradio/icom-110.c
wuarchive.wustl.edu:     7443 Feb 23  1989 mirrors/misc/hamradio/icomci-v.
cmds
wuarchive.wustl.edu:     6640 Sep 12  1984 mirrors/misc/hamradio/kenwd930.
mod
wuarchive.wustl.edu:     4458 Jul  4  1987 mirrors/misc/hamradio/mobile.
```

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antennas
wuarchive.wustl.edu:     6533 Oct  8  1988 mirrors/misc/hamradio/nicads.inf
wuarchive.wustl.edu:    47123 Mar  2  1990 mirrors/misc/hamradio/nprm9055.
txt
wuarchive.wustl.edu:   159788 Jun 28  1988 mirrors/misc/hamradio/part97.txt
wuarchive.wustl.edu:     6399 Nov 17  1989 mirrors/misc/hamradio/postscrp.
qsl
wuarchive.wustl.edu:     4418 Sep 24  1988 mirrors/misc/hamradio/pro-2004.
mods
wuarchive.wustl.edu:    18797 Jan 27  1987 mirrors/misc/hamradio/pro-2004.
review
wuarchive.wustl.edu:    27337 Nov  9  1988 mirrors/misc/hamradio/qslcard1.ps
wuarchive.wustl.edu:    26430 Oct 20  1988 mirrors/misc/hamradio/r7000.hints
wuarchive.wustl.edu:      956 Feb  8  1989 mirrors/misc/hamradio/radio-mods.
server
wuarchive.wustl.edu:     9709 Jun 29  1989 mirrors/misc/hamradio/radiofin.
inf
wuarchive.wustl.edu:    18571 Dec 26  1989 mirrors/misc/hamradio/satelite.
how
wuarchive.wustl.edu:     5017 Mar 12  1990 mirrors/misc/hamradio/sattrack.
inf
wuarchive.wustl.edu:     5287 Oct 29  1988 mirrors/misc/hamradio/scanner.mod
wuarchive.wustl.edu:     2174 Jun 17  1989 mirrors/misc/hamradio/th-215a.mod
wuarchive.wustl.edu:     4867 Oct  2  1988 mirrors/misc/hamradio/tm-721a.
mods
wuarchive.wustl.edu:    38204 Nov 24  1988 mirrors/misc/hamradio/travinfo.
lst
wuarchive.wustl.edu:     2719 Oct 11  1984 mirrors/misc/hamradio/ts430mods.
doc
wuarchive.wustl.edu:     5066 Feb 18  1985 mirrors/misc/hamradio/ts430s.
review
wuarchive.wustl.edu:     9986 Jul 22  1988 mirrors/misc/hamradio/ts440s.
interface
wuarchive.wustl.edu:     7239 May  1  1987 mirrors/misc/hamradio/uc-u2at.
review
wuarchive.wustl.edu:    12341 May  5  1987 mirrors/misc/hamradio/unigrid2.
bas
wuarchive.wustl.edu:    24498 May  9  1987 mirrors/misc/hamradio/vhfprop.bas
wuarchive.wustl.edu:    25892 Oct 24  1989 mirrors/misc/hamradio/voa-sked.
txt
wuarchive.wustl.edu:     4253 Oct 28 18:00 mirrors/msdos/hamradio/00-index.
txt
wuarchive.wustl.edu:      122 Apr  2  1989 mirrors/msdos/hamradio/aaaread.me
wuarchive.wustl.edu:    60849 Mar 19  1989 mirrors/msdos/hamradio/autocw.arc
wuarchive.wustl.edu:   182060 Dec 22  1989 mirrors/msdos/hamradio/autoexam.
zip
wuarchive.wustl.edu:    12452 Feb 11  1988 mirrors/msdos/hamradio/autofax.
arc
wuarchive.wustl.edu:   165621 Jul 25  1989 mirrors/msdos/hamradio/autolog4.
arc
wuarchive.wustl.edu:    15104 Apr  5  1986 mirrors/msdos/hamradio/bestbeam.
bqs
wuarchive.wustl.edu:    25065 Sep 16  1987 mirrors/msdos/hamradio/contest.
```

```
arc
wuarchive.wustl.edu:    62536 Oct 22  1988 mirrors/msdos/hamradio/cw.arc
wuarchive.wustl.edu:    43150 Apr 24  1990 mirrors/msdos/hamradio/dove3w13.
zip
wuarchive.wustl.edu:   120117 Feb 22  1990 mirrors/msdos/hamradio/dxcc104.
arc
wuarchive.wustl.edu:    55936 Mar 15  1987 mirrors/msdos/hamradio/filter11.
arc
wuarchive.wustl.edu:    23776 Jan 27  1990 mirrors/msdos/hamradio/gc103.arc
wuarchive.wustl.edu:    10244 Jun  4  1988 mirrors/msdos/hamradio/geosat.arc
wuarchive.wustl.edu:    14080 Apr  5  1986 mirrors/msdos/hamradio/geosat.bqs
wuarchive.wustl.edu:     3072 Dec  7  1986 mirrors/msdos/hamradio/hamhelp.
bqs
wuarchive.wustl.edu:    95745 May 23  1988 mirrors/msdos/hamradio/hampac5.
arc
wuarchive.wustl.edu:     9014 Nov 15  1987 mirrors/msdos/hamradio/icom.c
wuarchive.wustl.edu:    11902 Aug 29  1988 mirrors/msdos/hamradio/intmod60.
arc
wuarchive.wustl.edu:   156061 Jan 22  1990 mirrors/msdos/hamradio/kam401.arc
wuarchive.wustl.edu:   104668 Sep 16  1987 mirrors/msdos/hamradio/logbook.
arc
wuarchive.wustl.edu:    13061 Jun  4  1988 mirrors/msdos/hamradio/machine.
arc
wuarchive.wustl.edu:     4881 Oct 14  1986 mirrors/msdos/hamradio/micromuf.
bas
wuarchive.wustl.edu:     7695 Oct  5  1986 mirrors/msdos/hamradio/micromuf.
pas
wuarchive.wustl.edu:   158720 Jan 28  1987 mirrors/msdos/hamradio/mininec3.
arc
wuarchive.wustl.edu:     6317 May 25 19:00 mirrors/msdos/hamradio/mininec3.
inf
wuarchive.wustl.edu:   143738 Oct 14  1987 mirrors/msdos/hamradio/minprop2.
arc
wuarchive.wustl.edu:     6656 Apr  5  1986 mirrors/msdos/hamradio/monoband.
bqs
wuarchive.wustl.edu:     5661 Jun  7  1988 mirrors/msdos/hamradio/morse.bas
wuarchive.wustl.edu:     3712 Apr  5  1986 mirrors/msdos/hamradio/morse.bqs
wuarchive.wustl.edu:    64262 Feb 25  1990 mirrors/msdos/hamradio/morse26b.
arc
wuarchive.wustl.edu:     7179 Jul 21  1988 mirrors/msdos/hamradio/morsetst.
bas
wuarchive.wustl.edu:    29938 Dec 24  1988 mirrors/msdos/hamradio/nara.arc
wuarchive.wustl.edu:    95588 Aug 28 19:00 mirrors/msdos/hamradio/nov_test.
zip
wuarchive.wustl.edu:    50049 Aug 24  1989 mirrors/msdos/hamradio/novice25.
arc
wuarchive.wustl.edu:    22190 Mar  3  1990 mirrors/msdos/hamradio/nprm9055.
arc
wuarchive.wustl.edu:   133201 Dec 23  1988 mirrors/msdos/hamradio/nts12.arc
wuarchive.wustl.edu:    22197 Mar 13  1988 mirrors/msdos/hamradio/ohmslaw.
arc
wuarchive.wustl.edu:    36852 Mar 26  1987 mirrors/msdos/hamradio/orbit23.
arc
```

```
wuarchive.wustl.edu:    75540 Jul  8  1988 mirrors/msdos/hamradio/part97.arc
wuarchive.wustl.edu:   117004 Oct 11  1988 mirrors/msdos/hamradio/rfs.arc
wuarchive.wustl.edu:   144799 Dec 14  1987 mirrors/msdos/hamradio/rftools.
arc
wuarchive.wustl.edu:    27346 Oct 28 18:00 mirrors/msdos/hamradio/robocopy.
zip
wuarchive.wustl.edu:   126651 Jun 30  1989 mirrors/msdos/hamradio/rtty12g.
arc
wuarchive.wustl.edu:     5642 Dec 24  1987 mirrors/msdos/hamradio/satelite.
bas
wuarchive.wustl.edu:     1860 Jun  4  1988 mirrors/msdos/hamradio/sattaim.
arc
wuarchive.wustl.edu:   110775 Aug 19 19:00 mirrors/msdos/hamradio/sm315.zip
wuarchive.wustl.edu:    46525 Feb 11  1988 mirrors/msdos/hamradio/tec2.arc
wuarchive.wustl.edu:   203361 Apr  1  1990 mirrors/msdos/hamradio/traksat.
zip
wuarchive.wustl.edu:    36600 Aug 11  1988 mirrors/msdos/hamradio/tty37.arc
wuarchive.wustl.edu:    17670 Apr  6  1990 mirrors/msdos/hamradio/usat90.zip
wuarchive.wustl.edu:    26774 Jan 13  1990 mirrors/msdos/hamradio/vefc24.arc
wuarchive.wustl.edu:    35968 Sep  6  1987 mirrors/msdos/hamradio/wefax.arc
wuarchive.wustl.edu:    15826 Sep 16  1987 mirrors/msdos/hamradio/whatson.
arc
wuarchive.wustl.edu:    30943 Dec  5  1987 mirrors/msdos/hamradio/wheritis.
arc
wuarchive.wustl.edu:    98944 Feb 25  1988 mirrors/msdos/hamradio/wxrdr22.
arc
zaphod.ncsa.uiuc.edu:   212005 Aug 13 07:20 pub/salzman/radiosity.ps.Z
zaphod.ncsa.uiuc.edu:   292506 Aug 13 07:17 pub/salzman/radiosity.ps.Z.uu
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--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.
--- rfmail 0.3.9
 * Origin: Bonafido  Usenet <====> Fido Gateway.       (3:771/170.0)
SEEN-BY: 771/110 170 180 772/20
FSC-Control: PATH: 771/110
```

```
From 7187635256209538846
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,46d48707c8014c26
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-25 18:15:09 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!UCSD.EDU!Info-Hams
From: Info-Hams@UCSD.EDU (Info-Hams@UCSD.Edu)
Newsgroups: rec.ham-radio
Subject: Can't Find MailCenter!
Message-ID: <9011261248.AA19986@ucsd.edu>
Date: 26 Nov 90 02:15:09 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1361
Posted: Mon Nov 26 03:15:09 1990
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Info-Hams Digest   Sun, 25 Nov 90   Volume 90 : Issue 446

Today's Topics:

FOR SALE: Shure 444D and Hustler 4-BTV
NOVICE LICENSE FOR $150 ??
RTTY DX Notes 11/23/90
SOLAR TERRESTRIAL FORECAST AND REVIEW
STATES WHERE RADAR DETECTORS ARE ILLEGAL?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Sun, 25 Nov 90 14:38:43 edt
From: "Gray, Steven" <GRAY_S%DICKINSN.BITNET@CUNYVM.CUNY.EDU>
Subject: FOR SALE: Shure 444D and Hustler 4-BTV
To: INFO-HAMS@UCSD.EDU

I've got the following items for sale:

*** Shure Microphone model 444D; purchased 2/14/90; $45.00

*** Hustler 4-BTV Multiband Vertical; purchased 8/22/90; $70.00

Both are complete with boxes, manuals, receipts. The 4-BTV was installed on a tower for 3 weeks, and is in excellent shape. The Shure has barely been used.

BTW, the reason for the sale is that it appears I will be spending a good deal of time away from home over the next 2 years. Anybody know of a *hot* 10 meter mag-mount antenna? Doesn't Wilson make something that works well?

Thanks for reading!

---Steve Gray
NR3B
(717) 258-5477
gray_s@DICKINSN.Bitnet

Date: 23 Nov 90 12:43:04 GMT
From:

zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!news.cs.indiana.e
du!news.nd.edu!cartan!ndmath!nstar!w8grt!f470.n101.z1.fidonet.org!Tom.Mcgee@tut
.cis.ohio-state.edu (Tom Mcgee)
Subject: NOVICE LICENSE FOR $150 ??
To: info-hams@ucsd.edu

In response to an article by Bob Hlivak:

Gordon West is a respected individual who happens to make a living preparing people to take amateur radio exams. His course material is available in radio stores (including Radio Shack) and through mail order.

He's done a lot to get more hams into the ranks. I owe my license to his study materials. What he's doing is both legal and ethical. I fail to understand the nature of your outrage.

73, de KA1TOX
--- TBBS v2.1/NM
 * Origin: Tom's BBS - Wollaston, MA - 617/471-3009 (1:101/470)

--
Tom Mcgee - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!101!470!Tom.Mcgee
INTERNET: Tom.Mcgee@f470.n101.z1.fidonet.org

Date: 24 Nov 90 14:31:14 GMT
From: n8emr!gws@tut.cis.ohio-state.edu (Gary Sanders)
Subject: RTTY DX Notes 11/23/90
To: info-hams@ucsd.edu

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==============================================================
|        Relayed from packet radio via                |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
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SB RTTYDX @ RTTYDX $RTDX1123
RTTY DX Notes 1of3 11/23/90

RTTY DX Notes for week ending 23rd November 1990
BID: $RTDX1123
Part 1 of 3.

One wonders where the art of communications has gone to? Over the past week I have been looking at the mini mailboxes. I Saw 43 of them. Are they all small sized PK232s? It seems that with the proliferation of these units it will soon be impossible to find a space to have a QSO. I think that an original idea that was put forward would be a viable answer. All mailboxes (including mini mailboxes) be shifted to 10 and 18 MHz. That would be a logical answer. Use those frequencies, or lose them.

Our thanks this week go to DJ3IW and the Saar-Pfalz-DX-Club Packet Cluster, I5FLN, I5ICY, I5IGQ, JA1BLV, N2HOS, OD5NG, TG9VT, VK2EG, W2JGR and the Tri-State DX Packet Cluster Network. Thank you all for your very welcome information and help.

Bandpass:

Friday 16:

FM5DN	14086	at	0439Z	
SV5TS	14088	at	0506Z	
HP1XZD	14074	at	1239Z	ARQ
3B9FR	14090	at	1301Z	
UC2OCJ	28086	at	1340Z	QSL
6W6JX	28082	at	1440Z	
PJ2/OH2BGD	21088	at	1924Z	
TY1PS	21074	at	2150Z	ARQ
VP8BFH	14083	at	2311Z	

Continued in part 2.

(*Are you reading this from a packet BBS in Utah, Colorado, Kansas, Missouri, Kentucky, Tennessee or Georgia? Send a message noting the CALL of the station ORIGINATING this bulletin to:
KT7H @ N7HFZ.WA.USA.NA)
/EX
SB RTTYDX @ RTTYDX $RTDX1123A
RTTY DX Notes 2of3 11/23/90

RTTY DX Notes for week ending 23rd November 1990
BID: $RTDX1123A
Part 2 of 3.

Saturday 17:

VP8BFH	14088	at	0321Z	
FM5DN	14089	at	0400Z	
V85EB	21087	at	0425Z	
UH8EA	14090	at	0714Z	QSL
BZ4DAB	21087	at	1125Z	
9J2BO	28091	at	1332Z	
EA9MY	28083	at	1638Z	
J73WA	28086	at	1727Z	
5V7DP	21083	at	1812Z	
5Z4BI	21084	at	2039Z	
9X5LJ	14073	at	2130Z	QSL/ARQ
P29BT	21089	at	2302Z	
J88BP	14082	at	2352Z	

Sunday 18:

UH2E/UA9TZ	14089	at	0009Z

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5N0ETP      14090  at  0646Z  QSL
EA9MY       14088  at  0647Z
3X1SG       14085  at  0745Z
UO5OGF      14084  at  0935Z
VU2CSO      14088  at  1252Z
P29BT       14090  at  1253Z
8J1RL       14085  at  1337Z
EA8ATE      21089  at  1345Z
J28TY       28082  at  1429Z
J73WA       28082  at  1541Z
VP8BFH      28088  at  1658Z

Monday 19:
ZK1AP       21074  at  0500Z  ARQ
9Q5TE       14089  at  1515Z  QSL
V31AR       21074  at  1900Z  ARQ
9X5LJ       14073  at  2004Z

Tuesday 20:
YO2CLO       7007  at  0217Z
UH2E/UA9TZ  14084  at  0350Z
UA3AXJ      14088  at  0415Z
9H1P        14089  at  0610Z
ZK1AP       14074  at  2115Z  ARQ
TY1PS       21074  at  2115Z

Wednesday 21:
OX3EW       14086  at  0107Z
YN1CB       14088  at  0314Z
J73EH       14083  at  0338Z
KB6ZBI/J6L  14087  at  0340Z
UH2E/UA9TZ  14086  at  0352Z
6W6JX       14085  at  0755Z
ZK1AP       14077  at  0850Z  ARQ
UC2OCJ      28082  at  1207Z
5B4XA       28089  at  1223Z

Thursday 22:
UT5UJ       14088  at  0935Z
9X5LJ       14073  at  2135Z  ARQ

Continued in part 3.
/EX
SB RTTYDX @ RTTYDX $RTDX1123B
RTTY DX Notes 3of3  11/23/90

RTTY DX Notes for week ending 23rd November 1990
BID: $RTDX1123B
Part 3 of 3.


QSL Information:
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UC2OCJ says to QSL via Box 68, Gomel. 246027 Buelrussia, USSR.

9X5LJ and 9X5AB request their cards be sent to Box 81, Kigali, Rwanda.

UH8EA collects his cards from W5BWA.

5N0ETP collects his cards via N6LQL.

9Q5TE has SM0BFJ as his QSL manager.

CE0ZZZ says to QSL to Box 13312 Santiago, Chile.

Notes of Interest:

JA3DLE/1 reports that JG1RVN will be QRV from XU for 6 days from 3rd to 9th December with lots of RTTY.

On 27th November, or around that date, (after the CW contest), N7NG, OH2BH, OH2RF, and ZS6BCR will operate from Penguin Island (off the coast of Namibia) for 6 days by special permission of the South African Nature and Conservation people. The callsign could be ZS9Z/ZS1, after which they will operate from Walvis Bay with the callsign of ZS9Z for 4 days. They will use Icom gear and the QSLS go to OH2BH.

3W3RR is still hopeful of operating from Spratley in December.

Kure Island (KH7) is scheduled for December 12-21, all bands including 6 meters, if they can find some gear and aerials for 6. If you can help, call 671-346-2201 (in Guam) after 0600Z. Prefixes may be KH7/AH7/WH7 for the prefix hunters. The basic callsign will be KD7P/NH7.

SP5FYM is headed for King George Island (Antarctica) for January 1991.

There is a plan to activate 'MV' Island (in the Gulf of Finland) in March 1991. They require RTTY gear. More later.

GL DE DX1 (VK2SG).

Written by VK2SG. Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA.
Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.

Are you reading this from a packet BBS in Utah, Colorado, Kansas, Missouri, Kentucky, Tennessee or Georgia? Send a message noting the station originating this bulletin to KT7H @ N7HFZ.WA.USA.NA.
/EX
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553

Voice: 614-895-2552 (eves/weekends)

Date: Sun, 25 Nov 90 17:27:58 EST
From: std_oler@HG.ULeth.CA (Cary Oler)
Subject: SOLAR TERRESTRIAL FORECAST AND REVIEW
To: info-hams@ucsd.edu

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Please Note:

A few modifications have been made to these reports. In addition to the new 20-day solar flux forecasts, new prediction charts have been added for potential VHF DX propagation. Included with the VHF DX propagation prediction charts are SID and auroral backscatter enhancement predictions charts. Comments regarding the inclusion/removal of these new features are welcomed. In order to keep the size of these reports down, some of the extraneous information has been removed.

An informational document is being prepared to aid those who are interested in understanding and using these reports in practical applications. To obtain this file, request the document "Understanding Solar Terrestrial Reports" from: "std_oler@hg.uleth.ca".

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--- SOLAR TERRESTRIAL FORECAST AND REVIEW ---
November 24 to December 04, 1990

Report Based In-Part from Data Obtained from the
Space Environment Services Center
Boulder Colorado

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SOLAR TERRESTRIAL REVIEW FOR 18 NOVEMBER TO 24 NOVEMBER.

Solar activity over the last week was mostly moderate. Numerous M-class flare's occurred throughout the week. Almost all of the activity was attributed to Region 6368, which dominated the disk with its large size and magnetic complexity.

Region 6368 attained a maximum size of 9,240 million square kilometers (3,610 million square miles) on 18 November, encompassing a total of 107 spots. It is a magnetically complex Beta-Gamma-Delta region. The trailer spot complex was most active and has consistently held a delta-configuration. This region was uncharacteristically inactive considering the size and magnetic complexity that it attained. No major flares occurred from this region, although warnings were issued earlier in the week regarding the potential developement of major flare activity.

Region 6368 showed signs of decay on 20 November although it continued to produce a healthy barrage of C-class and occassional M-class flares. The largest flare from this region was a class M3.5/1N at 09:54 UT on 19 November. This region was believed responsible for producing a Type II sweep between 13:46 UT and 13:49 UT on 18 November. The estimated shock velocity was 1,000 km/sec. No terrestrial impacts occurred from this event.

Region 6368 has continued a very gradual decay since 20 November, maintaining a complex delta configuration in the trailing spot group. It has also continued frequent subflaring with modest amounts of C-class flaring. M-class flares have dropped in frequency since 20 November.

Region 6377 (S04W01) has developed rapidly over the past 24 hours and managed to produce a healthy class M3.1/1B Tenflare at 14:25 UT on 24 November. Other minor discrete radio emissions were observed from this flare. The location of this flare was at S04E04. It lasted 57 minutes, ending at 15:09 UT on 24 November. Region 6368 also managed to produce a class M1.2/SF flare at 23:46 UT on 24 November. Both of these flares produced a SID/SWF.

Geomagnetic activity was unexpectedly low this week. Activity was predicted to be unsettled to active, but maintained almost exclusively quiet conditions throughout the week. Effects from a coronal hole never materialized. As well, predicted solar activity never reached anticipated levels and thus did not produce expected terrestrial impacts.

Auroral activity likewise did not reach anticipated levels. Auroral activity was not visible at middle and low latitudes. Some higher latitudes spotted moderate auroral activity on 18 November, but activity dwindled as the week progressed.

Radio propagation conditions were normal to above normal this week. Relatively strong and stable signals occurred throughout the week at low and middle latitudes due to the unexpectedly quiet geomagnetic and auroral activity. Some increased levels of noise were evident on 18 November due to subsiding geomagnetic activity over higher latitudes. There were numerous short wave fades (SWFs) throughout the week, all attributed to the M-class flare activity from Region 6368. None of the SWF's were intense.
The majority of frequencies affected were below 10 MHz. It is not known whether the SWF's were accompanied by VHF enhancements. Ionization levels were likely not high enough to produce any significant VHF signal enhancements, although there were probably localized area's of enhanced sporadic E during these periods.

As of 25 November, two additional SID/SWF's were observed. The first began at 14:12 UT and ended at 15:05 UT on 24 November. The second began at 23:30 UT and ended at 00:31 UT on 25 November. Both of these events were of low to moderate intensity and were flare-related.

SHORT TERM SOLAR TERRESTRIAL FORECAST

Solar activity is expected to remain mostly low with the possibility for occassional M-class flaring from departing Region 6368 and Region 6377. The Space Environment Services Center is continuing a condition YELLOW alert status for potential PCA and proton events. Region 6368 continues to sport a Beta-Gamma-Delta magnetic configuration with particular delta complexity in the trailer spot group. Probability for a major class X flare is stationary at 10% over the next two days, dropping to 5% on 27 November with the passage of Region 6368 beyond the west limb. There is a 5% probability of a major proton flare from this region. Although these probabilities are low, they warrant attention. The solar flux is expected to drop quite dramatically with the passage of Region 6368 beyond the west limb on 26 and 27 November.

Geomagnetic activity is expected to remain mostly quiet until 26 November when models suggest activity should increase to unsettled levels over all latitudes with a risk of active periods over middle and high latitude regions. No significant activity or storming is expected, however. Conditions should return to quiet to unsettled levels by 28 November.

Auroral activity will be dormant until near 26 November when some increase in activity may occur. Activity will remain confined to the high latitude regions where it is expected to be mostly of low intensity with possible bursts of moderate activity. Auroral activity is then expected to decline to non-visible levels on 27/28 November and remain quiet throughout the remainder of the week.

HF radio propagation conditions should be quite good this week, with only a slight increase in noise and flutter expected near 26/27 November. The expected increase in geomagnetic and auroral activity should not have much of an impact on HF radio communications. So with the exception of 26 and 27 November, HF communications should be above normal on most of the other days this week. Sporadic degraded HF propagation is possible on the sunlit side of the earth due to expected persisting SIDs/SWFs caused by minor solar flaring.

VHF radio propagation should remain normal this week. There is the potential for sporadic DX contacts during SID periods which are expected to occur on the sunlit hemisphere of the earth this week due to minor flaring from departing Region 6368 and Region 6377. Other than these slight possibilities, conditions will not be sufficient to provide widespread DX opportunities this week.

SUMMARY OF ALL ACTIVE REGIONS VISIBLE ON THE SOLAR DISK AS OF 25 NOVEMBER

Region #	Location	LO	Area	Class	LL	Spots	Magnetic Type
6368	N18W65	025	5460	FKI	23	045	BETA-GAMMA-DELTA
6372	S18W27	347	0120	HAX	02	002	ALPHA
6376	S17W82	042	0000	AXX	00	001	ALPHA
6377	S04W01	321	0540	DAI	09	030	BETA
6378	S09E11	309	0030	BXO	04	004	BETA
6379	S06E59	261	0180	CSO	06	006	BETA
6380	S07W11	331	0000	AXX	00	001	ALPHA

6381	S04E73	247	0150	HAX	02	001	ALPHA

NOTES: Area is in million square kilometers. Angular extent (LL) and solar longitude (LO) are in degree's. For more information regarding the terminology used above, request the Glossary of Solar Terrestrial Terms from: "std_oler@hg.uleth.ca".

H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AS OF 24:00 UT ON 24 NOVEMBER.

REGION	LOCATION	LO	COMMENTS (IF ANY)
6375	N25W42	002	NONE

ACTIVE REGIONS DUE TO RETURN BETWEEN 25 AND 27 NOVEMBER

Region	Latitude	Longitude (Helio.)
6355	N17	223
6347	S18	216
6350	S24	213
6349	S16	198

NOTES:
For definitions regarding the above, request the "Glossary of Solar Terrestrial Terms" from "std_oler@hg.uleth.ca".

GRAPHICAL ANALYSIS OF RECENT GEOMAGNETIC ACTIVITY - BOULDER COLORADO

```
                  Cumulative Geomagnetic Activity History
             Peak Geomagnetic Activity during the past 87 hours
     _________________________________________________________________
    |  EXTREMELY SEVERE |        |        |        |     | VERY HIGH! |
    | VERY SEVERE STORM |        |        |        |     | HIGH       |
    |      SEVERE STORM |        |        |        |     | MODERATE   |
    |       MAJOR STORM |        |        |        |     | MODERATE   |
    |       MINOR STORM |        |        |        |     | LOW        |
    |       VERY ACTIVE |        |        |        |     | NONE - LOW |
    |            ACTIVE |        |        |        |     | NONE       |
    |         UNSETTLED |     *  |   *  **|        |  * *| NONE       |
    |             QUIET |     ***|* ******|*     **|*****| NONE       |
    |        VERY QUIET |********|********|********|*****| NONE       |
    |===============----|=====---|=====---|=====---|=====|==========--|
    | Geomagnetic Field |  Thu.  |  Fri.  |  Sat.  | Sun.|  Anomaly   |
    |    Conditions     |    Given in 3-hour intervals   | Intensity  |
    |_________________________________________________________________|
```

NOTES:
This graph ONLY depicts geomagnetic conditions observed at Boulder, Colorado for the past 87 hours. Conditions to the north of Boulder will

generally have slightly higher activity than Boulder, while conditions to the south of Boulder will likely have lower activity than those depicted here. However, the plots should present a good approximate average of planetary geomagnetic conditions.

For information regarding the interpretation and/or use of these charts, send a request for the document "Understanding Solar Terrestrial Reports" to: std_oler@hg.uleth.ca

PLANETARY 10-DAY GEOMAGNETIC ACTIVITY OUTLOOK (25 NOVEMBER - 04 DECEMBER)

```
    ________________________________________________________________________
   |  EXTREMELY SEVERE |   |   |   |   |   |   |   |   |   |   | VERY HIGH! |
   | VERY SEVERE STORM |   |   |   |   |   |   |   |   |   |   | HIGH       |
   |      SEVERE STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MAJOR STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MINOR STORM |   |   |   |   |   |   |   |   |   |   | LOW        |
   |       VERY ACTIVE |   |   |   |   |   |   |   |   |   |   | NONE - LOW |
   |            ACTIVE |   |   |   |   |   |   |   |   |   |   | NONE       |
   |         UNSETTLED |   |***|***| * |   |   |   | * | * |***| NONE       |
   |             QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |        VERY QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |===============----|---|---|---|---|---|---|---|---|---|---|===========-|
   | Geomagnetic Field |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|  Anomaly   |
   |    Conditions     |       Given in 8-hour intervals       | Intensity  |
   |________________________________________________________________________|
```

NOTES:

Predicted geomagnetic activity is based heavily on recurrent phenomena. Transient energetic solar events cannot be predicted reliably over periods in excess of several days. Hence, there may be some deviations from the predictions due to the unpredictable transient solar component.

GRAPHICAL ANALYSIS OF SOLAR ACTIVITY OVER THE PAST 60 DAYS

```
                   Cumulative Graphical Analysis of
                           Solar Activity

    ____________________________________________________________
242|                                                            | MOD.
235|  F = Major Flare(s)                                        | MOD.
227|                  *                                         | MOD.
220|                 ***  *                           *         | MOD.
212|                 ***  *                  **      * *        | MOD.
205|                ****  *                  **      ***        | MOD.
197|              ******  *F                **** *  *****       | MOD.
190|             **********F                ******* *******     | LOW
182|       *    ***********F*               ****************    | LOW
175|      **   ************F*               ******************  | LOW
167|      *****************F**             *********************| LOW
160|     ******************F*** * *        *********************| LOW
152|   ********************F**********    **********************| LOW
145|***********************F********** * ***********************| LOW
```

```
137|***********************F************************************| LOW
130|***********************F************************************| LOW
    ============================================================
               Cumulative 60 day Solar Activity Record
                   Start Date:  September 27, 1990
```

NOTES:

Left-hand column digits represent the 10.7 cm solar radio flux obtained from Ottawa. The right-hand column describes the relative solar activity for that period based on the average number of major and minor flares that can be expected for related solar flux values. Plot lines labeled with the letter "F" represent days where at least one major flare occurred (ie. class M5 or greater flare).

GRAPHICAL 20-DAY SOLAR ACTIVITY PREDICTION

```
                           Solar Activity
 -----------------------------------------------------------------
| 230 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 224 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |**|**|**|
| 218 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |**|**|**|**|
| 212 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |**|**|**|**|
| 206 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |**|**|**|**|**|
| 200 |  |  |  |  |  |  |  |  |  |  |  |  |**|**|**|**|**|**|**|**|
| 194 |  |  |  |  |  |  |  |  |  |  |**|**|**|**|**|**|**|**|**|**|
| 188 |  |  |  |  |  |  |  |  |  |**|**|**|**|**|**|**|**|**|**|**|
| 182 |  |  |  |  |  |  |  |  |**|**|**|**|**|**|**|**|**|**|**|**|
| 176 |  |  |  |  |  |  |  |**|**|**|**|**|**|**|**|**|**|**|**|**|
| 170 |**|  |  |  |  |  |  |**|**|**|**|**|**|**|**|**|**|**|**|**|
| 164 |**|  |  |  |  |  |**|**|**|**|**|**|**|**|**|**|**|**|**|**|
| 158 |**|**|  |  |  |  |**|**|**|**|**|**|**|**|**|**|**|**|**|**|
| 152 |**|**|  |  |  |**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|
| 146 |**|**|**|  |**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|
| 140 |**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|
|=====|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|Solar|25|26|27|28|29|30|01|02|03|04|0
```

Info-Hams Digest   Sun, 25 Nov 90   Volume 90 : Issue 446

Today's Topics:

FOR SALE: Shure 444D and Hustler 4-BTV
NOVICE LICENSE FOR $150 ??
RTTY DX Notes 11/23/90
SOLAR TERRESTRIAL FORECAST AND REVIEW
STATES WHERE RADAR DETECTORS ARE ILLEGAL?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: Sun, 25 Nov 90 14:38:43 edt
From: "Gray, Steven" <GRAY_S%DICKINSN.BITNET@CUNYVM.CUNY.EDU>
Subject: FOR SALE: Shure 444D and Hustler 4-BTV
To: INFO-HAMS@UCSD.EDU

I've got the following items for sale:

*** Shure Microphone model 444D; purchased 2/14/90; $45.00

*** Hustler 4-BTV Multiband Vertical; purchased 8/22/90; $70.00

Both are complete with boxes, manuals, receipts. The 4-BTV was installed on a tower for 3 weeks, and is in excellent shape. The Shure has barely been used.

BTW, the reason for the sale is that it appears I will be spending a good deal of time away from home over the next 2 years. Anybody know of a *hot* 10 meter mag-mount antenna? Doesn't Wilson make something that works well?

Thanks for reading!

---Steve Gray
NR3B
(717) 258-5477
gray_s@DICKINSN.Bitnet

Date: 23 Nov 90 12:43:04 GMT
From:

zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!news.cs.indiana.edu!news.nd.edu!cartan!ndmath!nstar!w8grt!f470.n101.z1.fidonet.org!Tom.Mcgee@tut.cis.ohio-state.edu (Tom Mcgee)
Subject: NOVICE LICENSE FOR $150 ??
To: info-hams@ucsd.edu

In response to an article by Bob Hlivak:

Gordon West is a respected individual who happens to make a living preparing people to take amateur radio exams. His course material is available in radio stores (including Radio Shack) and through mail order.

He's done a lot to get more hams into the ranks. I owe my license to his study materials. What he's doing is both legal and ethical. I fail to understand the nature of your outrage.

73, de KA1TOX

--- TBBS v2.1/NM
 * Origin: Tom's BBS - Wollaston, MA - 617/471-3009 (1:101/470)

--
Tom Mcgee - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!101!470!Tom.Mcgee
INTERNET: Tom.Mcgee@f470.n101.z1.fidonet.org

Date: 24 Nov 90 14:31:14 GMT
From: n8emr!gws@tut.cis.ohio-state.edu (Gary Sanders)
Subject: RTTY DX Notes 11/23/90
To: info-hams@ucsd.edu

```
==============================================================
|         Relayed from packet radio via                    |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ RTTYDX $RTDX1123
RTTY DX Notes 1of3 11/23/90

RTTY DX Notes for week ending 23rd November 1990
BID: $RTDX1123
Part 1 of 3.

One wonders where the art of communications has gone to? Over the past week I have been looking at the mini mailboxes. I Saw 43 of them. Are they all small sized PK232s? It seems that with the proliferation of these units it will soon be impossible to find a space to have a QSO. I think that an original idea that was put forward would be a viable answer. All mailboxes (including mini mailboxes) be shifted to 10 and 18 MHz. That would be a logical answer. Use those frequencies, or lose them.

Our thanks this week go to DJ3IW and the Saar-Pfalz-DX-Club Packet Cluster, I5FLN, I5ICY, I5IGQ, JA1BLV, N2HOS, OD5NG, TG9VT, VK2EG, W2JGR and the Tri-State DX Packet Cluster Network. Thank you all for your very welcome information and help.

Bandpass:

```
Friday 16:
FM5DN       14086  at  0439Z
SV5TS       14088  at  0506Z
HP1XZD      14074  at  1239Z  ARQ
3B9FR       14090  at  1301Z
UC2OCJ      28086  at  1340Z  QSL
6W6JX       28082  at  1440Z
```

PJ2/OH2BGD	21088	at	1924Z	
TY1PS	21074	at	2150Z	ARQ
VP8BFH	14083	at	2311Z	

Continued in part 2.

(*Are you reading this from a packet BBS in Utah, Colorado, Kansas, Missouri, Kentucky, Tennessee or Georgia? Send a message noting the CALL of the station ORIGINATING this bulletin to:
KT7H @ N7HFZ.WA.USA.NA)
/EX
SB RTTYDX @ RTTYDX $RTDX1123A
RTTY DX Notes 2of3 11/23/90

RTTY DX Notes for week ending 23rd November 1990
BID: $RTDX1123A
Part 2 of 3.

Saturday 17:

VP8BFH	14088	at	0321Z	
FM5DN	14089	at	0400Z	
V85EB	21087	at	0425Z	
UH8EA	14090	at	0714Z	QSL
BZ4DAB	21087	at	1125Z	
9J2BO	28091	at	1332Z	
EA9MY	28083	at	1638Z	
J73WA	28086	at	1727Z	
5V7DP	21083	at	1812Z	
5Z4BI	21084	at	2039Z	
9X5LJ	14073	at	2130Z	QSL/ARQ
P29BT	21089	at	2302Z	
J88BP	14082	at	2352Z	

Sunday 18:

UH2E/UA9TZ	14089	at	0009Z	
5N0ETP	14090	at	0646Z	QSL
EA9MY	14088	at	0647Z	
3X1SG	14085	at	0745Z	
UO5OGF	14084	at	0935Z	
VU2CSO	14088	at	1252Z	
P29BT	14090	at	1253Z	
8J1RL	14085	at	1337Z	
EA8ATE	21089	at	1345Z	
J28TY	28082	at	1429Z	
J73WA	28082	at	1541Z	
VP8BFH	28088	at	1658Z	

Monday 19:

ZK1AP	21074	at	0500Z	ARQ
9Q5TE	14089	at	1515Z	QSL
V31AR	21074	at	1900Z	ARQ
9X5LJ	14073	at	2004Z	

Tuesday 20:

YO2CLO	7007	at	0217Z	
UH2E/UA9TZ	14084	at	0350Z	
UA3AXJ	14088	at	0415Z	
9H1P	14089	at	0610Z	
ZK1AP	14074	at	2115Z	ARQ
TY1PS	21074	at	2115Z	

Wednesday 21:

OX3EW	14086	at	0107Z	
YN1CB	14088	at	0314Z	
J73EH	14083	at	0338Z	
KB6ZBI/J6L	14087	at	0340Z	
UH2E/UA9TZ	14086	at	0352Z	
6W6JX	14085	at	0755Z	
ZK1AP	14077	at	0850Z	ARQ
UC2OCJ	28082	at	1207Z	
5B4XA	28089	at	1223Z	

Thursday 22:

UT5UJ	14088	at	0935Z	
9X5LJ	14073	at	2135Z	ARQ

Continued in part 3.
/EX
SB RTTYDX @ RTTYDX $RTDX1123B
RTTY DX Notes 3of3 11/23/90

RTTY DX Notes for week ending 23rd November 1990
BID: $RTDX1123B
Part 3 of 3.

QSL Information:

UC2OCJ says to QSL via Box 68, Gomel. 246027 Buelrussia, USSR.

9X5LJ and 9X5AB request their cards be sent to Box 81, Kigali, Rwanda.

UH8EA collects his cards from W5BWA.

5N0ETP collects his cards via N6LQL.

9Q5TE has SM0BFJ as his QSL manager.

CE0ZZZ says to QSL to Box 13312 Santiago, Chile.

Notes of Interest:

JA3DLE/1 reports that JG1RVN will be QRV from XU for 6 days from 3rd to 9th December with lots of RTTY.

On 27th November, or around that date, (after the CW contest), N7NG, OH2BH, OH2RF, and ZS6BCR will operate from Penguin Island (off the coast of Namibia) for 6 days by special permission of the South African Nature and Conservation people. The callsign could be ZS9Z/ZS1, after which they will operate from Walvis Bay with the callsign of ZS9Z for 4 days. They will use Icom gear and the QSLS go to OH2BH.

3W3RR is still hopeful of operating from Spratley in December.

Kure Island (KH7) is scheduled for December 12-21, all bands including 6 meters, if they can find some gear and aerials for 6. If you can help, call 671-346-2201 (in Guam) after 0600Z. Prefixes may be KH7/AH7/WH7 for the prefix hunters. The basic callsign will be KD7P/NH7.

SP5FYM is headed for King George Island (Antarctica) for January 1991.

There is a plan to activate 'MV' Island (in the Gulf of Finland) in March 1991. They require RTTY gear. More later.

GL DE DX1 (VK2SG).

Written by VK2SG. Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA.
Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.

Are you reading this from a packet BBS in Utah, Colorado, Kansas, Missouri, Kentucky, Tennessee or Georgia? Send a message noting the station originating this bulletin to KT7H @ N7HFZ.WA.USA.NA.
/EX
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

Date: Sun, 25 Nov 90 17:27:58 EST
From: std_oler@HG.ULeth.CA (Cary Oler)
Subject: SOLAR TERRESTRIAL FORECAST AND REVIEW
To: info-hams@ucsd.edu

/\

Please Note:

A few modifications have been made to these reports. In addition to the new 20-day solar flux forecasts, new prediction charts have been added for potential VHF DX propagation. Included with the VHF DX propagation prediction charts are SID and auroral backscatter enhancement predictions charts. Comments regarding the inclusion/removal of these new features are welcomed. In order to keep the size of these reports down, some of the extraneous information has been removed.

An informational document is being prepared to aid those who are interested in understanding and using these reports in practical applications. To obtain this file, request the document "Understanding Solar Terrestrial Reports" from: "std_oler@hg.uleth.ca".

/\

--- SOLAR TERRESTRIAL FORECAST AND REVIEW ---
November 24 to December 04, 1990

Report Based In-Part from Data Obtained from the
Space Environment Services Center
Boulder Colorado

=====---

SOLAR TERRESTRIAL REVIEW FOR 18 NOVEMBER TO 24 NOVEMBER.

Solar activity over the last week was mostly moderate. Numerous M-class flare's occurred throughout the week. Almost all of the activity was attributed to Region 6368, which dominated the disk with its large size and magnetic complexity.

Region 6368 attained a maximum size of 9,240 million square kilometers (3,610 million square miles) on 18 November, encompassing a total of 107 spots. It is a magnetically complex Beta-Gamma-Delta region. The trailer spot complex was most active and has consistently held a delta-configuration. This region was uncharacteristically inactive considering the size and magnetic complexity that it attained. No major flares occurred from this region, although warnings were issued earlier in the week regarding the potential developement of major flare activity.

Region 6368 showed signs of decay on 20 November although it continued to produce a healthy barrage of C-class and occassional M-class flares. The largest flare from this region was a class M3.5/1N at 09:54 UT on 19 November. This region was believed responsible for producing a Type II sweep between 13:46 UT and 13:49 UT on 18 November. The estimated shock velocity was 1,000 km/sec. No terrestrial impacts occurred from this event.

Region 6368 has continued a very gradual decay since 20 November, maintaining a complex delta configuration in the trailing spot group. It has also continued frequent subflaring with modest amounts of C-class flaring. M-class flares have dropped in frequency since 20 November.

Region 6377 (S04W01) has developed rapidly over the past 24 hours and managed to produce a healthy class M3.1/1B Tenflare at 14:25 UT on 24 November. Other minor discrete radio emissions were observed from this flare. The location of this flare was at S04E04. It lasted 57 minutes, ending at 15:09 UT on 24 November. Region 6368 also managed to produce a class M1.2/SF flare at 23:46 UT on 24 November. Both of these flares produced a SID/SWF.

Geomagnetic activity was unexpectedly low this week. Activity was predicted to be unsettled to active, but maintained almost exclusively quiet conditions throughout the week. Effects from a coronal hole never materialized. As well, predicted solar activity never reached anticipated levels and thus did not produce expected terrestrial impacts.

Auroral activity likewise did not reach anticipated levels. Auroral activity was not visible at middle and low latitudes. Some higher latitudes spotted moderate auroral activity on 18 November, but activity dwindled as the week progressed.

Radio propagation conditions were normal to above normal this week. Relatively strong and stable signals occurred throughout the week at low and middle latitudes due to the unexpectedly quiet geomagnetic and auroral activity. Some increased levels of noise were evident on 18 November due to subsiding geomagnetic activity over higher latitudes. There were numerous short wave fades (SWFs) throughout the week, all attributed to the M-class flare activity from Region 6368. None of the SWF's were intense. The majority of frequencies affected were below 10 MHz. It is not known whether the SWF's were accompanied by VHF enhancements. Ionization levels were likely not high enough to produce any significant VHF signal enhancements, although there were probably localized area's of enhanced sporadic E during these periods.

As of 25 November, two additional SID/SWF's were observed. The first began at 14:12 UT and ended at 15:05 UT on 24 November. The second began at 23:30 UT and ended at 00:31 UT on 25 November. Both of these events were of low to moderate intensity and were flare-related.

SHORT TERM SOLAR TERRESTRIAL FORECAST

Solar activity is expected to remain mostly low with the possibility for occassional M-class flaring from departing Region 6368 and Region 6377. The Space Environment Services Center is continuing a condition YELLOW alert status for potential PCA and proton events. Region 6368 continues to sport a Beta-Gamma-Delta magnetic configuration with particular delta complexity in the trailer spot group. Probability for a major class X flare is stationary at 10% over the next two days, dropping to 5% on 27 November with the passage of Region 6368 beyond the west limb. There is a 5% probability of a major proton flare from this region. Although these probabilities are low, they warrant attention. The solar flux is expected to drop quite dramatically with the passage of Region 6368 beyond the west limb on 26 and 27 November.

Geomagnetic activity is expected to remain mostly quiet until 26 November when models suggest activity should increase to unsettled levels over all latitudes with a risk of active periods over middle and high latitude regions. No significant activity or storming is expected, however. Conditions should return to quiet to unsettled levels by 28 November.

Auroral activity will be dormant until near 26 November when some increase in activity may occur. Activity will remain confined to the high latitude regions where it is expected to be mostly of low intensity with possible bursts of moderate activity. Auroral activity is then expected to decline to non-visible levels on 27/28 November and remain quiet throughout the remainder of the week.

HF radio propagation conditions should be quite good this week, with only a slight increase in noise and flutter expected near 26/27 November. The expected increase in geomagnetic and auroral activity should not have much of an impact on HF radio communications. So with the exception of 26 and 27 November, HF communications should be above normal on most of the other days this week. Sporadic degraded HF propagation is possible on the sunlit side of the earth due to expected persisting SIDs/SWFs caused by minor solar flaring.

VHF radio propagation should remain normal this week. There is the potential for sporadic DX contacts during SID periods which are expected to occur on the sunlit hemisphere of the earth this week due to minor flaring from departing Region 6368 and Region 6377. Other than these slight possibilities, conditions will not be sufficient to provide widespread DX opportunities this week.

SUMMARY OF ALL ACTIVE REGIONS VISIBLE ON THE SOLAR DISK AS OF 25 NOVEMBER

Region #	Location	LO	Area	Class	LL	Spots	Magnetic Type
6368	N18W65	025	5460	FKI	23	045	BETA-GAMMA-DELTA
6372	S18W27	347	0120	HAX	02	002	ALPHA
6376	S17W82	042	0000	AXX	00	001	ALPHA
6377	S04W01	321	0540	DAI	09	030	BETA
6378	S09E11	309	0030	BXO	04	004	BETA
6379	S06E59	261	0180	CSO	06	006	BETA
6380	S07W11	331	0000	AXX	00	001	ALPHA
6381	S04E73	247	0150	HAX	02	001	ALPHA

NOTES: Area is in million square kilometers. Angular extent (LL) and solar longitude (LO) are in degree's. For more information regarding the terminology used above, request the Glossary of Solar Terrestrial Terms from: "std_oler@hg.uleth.ca".

H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AS OF 24:00 UT ON 24 NOVEMBER.

REGION	LOCATION	LO	COMMENTS (IF ANY)
6375	N25W42	002	NONE

ACTIVE REGIONS DUE TO RETURN BETWEEN 25 AND 27 NOVEMBER

Region	Latitude	Longitude (Helio.)
6355	N17	223
6347	S18	216
6350	S24	213
6349	S16	198

NOTES:

For definitions regarding the above, request the "Glossary of Solar Terrestrial Terms" from "std_oler@hg.uleth.ca".

GRAPHICAL ANALYSIS OF RECENT GEOMAGNETIC ACTIVITY - BOULDER COLORADO

```
                  Cumulative Geomagnetic Activity History
             Peak Geomagnetic Activity during the past 87 hours
     _________________________________________________________________
    |  EXTREMELY SEVERE |        |        |        |     | VERY HIGH! |
    | VERY SEVERE STORM |        |        |        |     | HIGH       |
    |      SEVERE STORM |        |        |        |     | MODERATE   |
    |       MAJOR STORM |        |        |        |     | MODERATE   |
    |       MINOR STORM |        |        |        |     | LOW        |
    |      VERY ACTIVE  |        |        |        |     | NONE - LOW |
    |            ACTIVE |        |        |        |     | NONE       |
    |         UNSETTLED |     *  |   *  **|        |  * *| NONE       |
    |             QUIET |     ***|* ******|*     **|*****| NONE       |
    |        VERY QUIET |********|********|********|*****| NONE       |
    |===============----|=====---|=====---|=====---|=====|==========--|
    | Geomagnetic Field |  Thu.  |  Fri.  |  Sat.  | Sun.|  Anomaly   |
    |    Conditions     |    Given in 3-hour intervals   | Intensity  |
    |_____________________________________________________________________|
```

NOTES:

This graph ONLY depicts geomagnetic conditions observed at Boulder, Colorado for the past 87 hours. Conditions to the north of Boulder will generally have slightly higher activity than Boulder, while conditions to the south of Boulder will likely have lower activity than those depicted here. However, the plots should present a good approximate average of planetary geomagnetic conditions.

For information regarding the interpretation and/or use of these charts, send a request for the document "Understanding Solar Terrestrial Reports" to: std_oler@hg.uleth.ca

PLANETARY 10-DAY GEOMAGNETIC ACTIVITY OUTLOOK (25 NOVEMBER - 04 DECEMBER)

```
    ________________________________________________________________________
   |  EXTREMELY SEVERE |   |   |   |   |   |   |   |   |   |   | VERY HIGH! |
   | VERY SEVERE STORM |   |   |   |   |   |   |   |   |   |   | HIGH       |
   |      SEVERE STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MAJOR STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MINOR STORM |   |   |   |   |   |   |   |   |   |   | LOW        |
   |        VERY ACTIVE |   |   |   |   |   |   |   |   |   |   | NONE - LOW |
   |             ACTIVE |   |   |   |   |   |   |   |   |   |   | NONE       |
   |          UNSETTLED |   |***|***| * |   |   |   | * | * |***| NONE       |
   |              QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |         VERY QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |===============----|---|---|---|---|---|---|---|---|---|---|===========-|
   | Geomagnetic Field |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|  Anomaly   |
   |    Conditions     |       Given in 8-hour intervals       | Intensity  |
   |________________________________________________________________________|
```

NOTES:

Predicted geomagnetic activity is based heavily on recurrent phenomena. Transient energetic solar events cannot be predicted reliably over periods in excess of several days. Hence, there may be some deviations from the predictions due to the unpredictable transient solar component.

GRAPHICAL ANALYSIS OF SOLAR ACTIVITY OVER THE PAST 60 DAYS

```
                   Cumulative Graphical Analysis of
                           Solar Activity

    ------------------------------------------------------------
242|                                                            | MOD.
235|  F = Major Flare(s)                                        | MOD.
227|                  *                                         | MOD.
220|                 ***  *                            *        | MOD.
212|                 ***  *                  **      * *        | MOD.
205|                ****  *                  **      ***        | MOD.
197|              ******  *F                ****  *  *****       | MOD.
190|             **********F                ******* *******     | LOW
182|       *    ***********F*               ****************    | LOW
175|      **   ************F*               ******************  | LOW
167|      *****************F**             *********************| LOW
160|     ******************F*** * *        *********************| LOW
152|   ********************F**********    **********************| LOW
145|***********************F********** * ***********************| LOW
137|***********************F************************************| LOW
130|***********************F************************************| LOW
    ============================================================
               Cumulative 60 day Solar Activity Record
                   Start Date:  September 27, 1990
```

NOTES:

Left-hand column digits represent the 10.7 cm solar radio flux obtained from Ottawa. The right-hand column describes the relative solar activity for that period based on the average number of major and minor flares that can be expected for related solar flux values. Plot lines labeled with the letter "F" represent days where at least one major flare occurred (ie. class M5 or greater flare).

GRAPHICAL 20-DAY SOLAR ACTIVITY PREDICTION

```
                        Solar Activity
 _________________________________________________________________
| 230 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 224 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |**|**|**|
| 218 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |**|**|**|**|
| 212 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |**|**|**|**|
| 206 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |**|**|**|**|**|
| 200 |  |  |  |  |  |  |  |  |  |  |  |  |**|**|**|**|**|**|**|**|
| 194 |  |  |  |  |  |  |  |  |  |  |**|**|**|**|**|**|**|**|**|**|
| 188 |  |  |  |  |  |  |  |  |  |**|**|**|**|**|**|**|**|**|**|**|
| 182 |  |  |  |  |  |  |  |  |**|**|**|**|**|**|**|**|**|**|**|**|
| 176 |  |  |  |  |  |  |  |**|**|**|**|**|**|**|**|**|**|**|**|**|
| 170 |**|  |  |  |  |  |  |**|**|**|**|**|**|**|**|**|**|**|**|**|
| 164 |**|  |  |  |  |  |**|**|**|**|**|**|**|**|**|**|**|**|**|**|
| 158 |**|**|  |  |  |  |**|**|**|**|**|**|**|**|**|**|**|**|**|**|
| 152 |**|**|  |  |  |**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|
| 146 |**|**|**|  |**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|
| 140 |**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|
|=====|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|Solar|25|26|27|28|29|30|01|02|03|04|05|06|07|08|09|10|11|12|13|14|
|Flux |     November    |                 December                 |
 =================================================================
```

```
HF RADIO SIGNAL PROPAGATION PREDICTIONS (25 NOVEMBER - 04 DECEMBER)

                          High Latitude Paths
            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |   |   |   |   |   |   |   |   |   |   |
           |           GOOD |   |   |   |   |   |   |   |   |   |   |
           |           FAIR |* *|   |  *|* *|***|***|***|***|* *|  *|
           |           POOR | * |***|** | * |   |   |   |   | * |** |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |================|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            ========================================================-

                         Middle Latitude Paths
            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |* *|   |  *|* *|***|***|***|* *|*  |   |
           |           GOOD | * |***|** | * |   |   |   | * | **|***|
           |           FAIR |   |   |   |   |   |   |   |   |   |   |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |================|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            ========================================================-
```

```
                                Low Latitude Paths
            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |***|* *|* *|***|***|***|***|***|  *|  *|
           |           GOOD |   | * | * |   |   |   |   |   |** |** |
           |           FAIR |   |   |   |   |   |   |   |   |   |   |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |===============-|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            =======================================================-

NOTES:
       High latitudes >= 55       degree's north latitude
     Middle latitudes >= 40 < 55  degree's north latitude
        Low latitudes  < 40       degree's north latitude



POTENTIAL VHF DX PROPAGATION PREDICTIONS (25 NOVEMBER - 04 DECEMBER)
   INCLUDES SID AND AURORAL BACKSCATTER ENHANCEMENT PREDICTIONS

                   HIGH LATITUDES
 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   |   |   |   |   |   |   |   | 20%|*|*|*| | | | | | | |
|    NORMAL|***|  *|  *|***|***|***|***|***| **|  *| 40%| | | | | | | | | | |
|BELOW NORM|   |** |** |   |   |   |   |   |*  |** | 60%| | | | | | | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |===============----|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% |   |* *|* *|   |   |   |   |   |  *|* *| 40%| |*|*| | | | | | |*|
|      20% |***|***|***|***|***|***|***|***|***|***| 20%|*|*|*|*| | | |*|*|*|
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|==========+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|


                  MIDDLE LATITUDES
 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   |   |   |   |   |   |   |   | 20%|*|*|*|*|*|*|*| | | |
|    NORMAL|***| **| **|***|***|***|***|***|***| **| 40%|*|*| | | | | | | | |
|BELOW NORM|   |*  |*  |   |   |   |   |   |   |*  | 60%| | | | | | | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |===============----|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% |   |  *|   |   |   |   |   |   |   |   | 40%| | | | | | | | | | |
|      20% | **|***|***|  *|  *|  *|  *|   |* *|* *| 20%| |*|*| | | | | | |*|
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|==========+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|

                    LOW LATITUDES

 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   |   |   |   |   |   |   |   | 20%|*|*|*|*|*|*|*| | | |
|    NORMAL|***|***|***|***|***|***|***|***|***|***| 40%|*|*|*| | | | | | | |
|BELOW NORM|   |   |   |   |   |   |   |   |   |   | 60%| |*| | | | | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |===============----|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% | **| **|   |   |   |   |   |   |   |   | 40%| | | | | | | | | | |
|      20% |***|***| **| **| **| **| **|   |   |   | 20%| | | | | | | | | | |
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|==========+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|
```

NOTES:

These VHF DX prediction charts are defined for the 50 MHz to 220 MHz bands. They are based primarily on phenomena which can affect VHF DX propagation globally. They should be used only as a guide to potential DX conditions on VHF bands. Latitudinal boundaries are the same as those for the HF predictions charts. For more information, request the document "Understanding Solar Terrestrial Reports" from: "std_oler@hg.uleth.ca".

AURORAL ACTIVITY PREDICTIONS (25 NOVEMBER - 04 DECEMBER)

```
                  High Latitude Locations
 ________________________________________________________
| EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
|      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
|           HIGH |   |   |   |   |   |   |   |   |   |   |
|       MODERATE |   | * | * |   |   |   |   |   |   | * |
|            LOW | **|***|***|***|   |   |   | * | * |***|
|    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
|===============-|---|---|---|---|---|---|---|---|---|---|
|    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
|   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
 ========================================================-

                Middle Latitude Locations
 ________________________________________________________
| EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
|      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
|           HIGH |   |   |   |   |   |   |   |   |   |   |
|       MODERATE |   |   |   |   |   |   |   |   |   |   |
|            LOW |   |***|***|   |   |   |   |   | * |***|
|    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
|===============-|---|---|---|---|---|---|---|---|---|---|
|    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
|   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
 ========================================================-

                   Low Latitude Locations
 ________________________________________________________
| EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
|      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
|           HIGH |   |   |   |   |   |   |   |   |   |   |
|       MODERATE |   |   |   |   |   |   |   |   |   |   |
|            LOW |   |   |   |   |   |   |   |   |   |   |
|    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
|===============-|---|---|---|---|---|---|---|---|---|---|
|    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
|   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
 ========================================================-
```

NOTE:

For more information regarding these charts, send a request for the document, "Understanding Solar Terrestrial Reports" to: std_oler@hg.uleth.ca

** End of Report **

Date: 23 Nov 90 12:07:01 GMT
From:

usc!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!news.cs.indiana.edu!news.nd.edu!cartan!
ndmath!nstar!w8grt!f470.n101.z1.fidonet.org!Tom.Mcgee@apple.com (Tom Mcgee)

Subject: STATES WHERE RADAR DETECTORS ARE ILLEGAL?
To: info-hams@ucsd.edu

In response to an article by Eakin:

>> radar detectors are illegal in Virginia, a friend says
its Maryland. <<

Connecticut and Virginia for sure....maybe other states too.
--- TBBS v2.1/NM
 * Origin: Tom's BBS - Wollaston, MA - 617/471-3009 (1:101/470)

--
Tom Mcgee - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!101!470!Tom.Mcgee
INTERNET: Tom.Mcgee@f470.n101.z1.fidonet.org

End of Info-Hams Digest
****

------------------ RFC822 Header Follows ------------------
Received: by mctgate.mct.anl.gov; 25 Nov 90 18:14:52
Received: from ANLVM by ANLVM.CTD.ANL.GOV (IBM VM SMTP R1.2.2ANL-MX) with BSMTP
id 0649; Sun, 25 Nov 90 18:13:26 CST
Received: from UICVM by ANLVM (Mailer R2.07B) with BSMTP id 0648; Sun, 25 Nov
 90 18:13:24 CST
Received: from UICVM.BITNET by UICVM (Mailer R2.07) with BSMTP id 7919; Sun, 25
 Nov 90 18:13:03 CST
Date: Sun, 25 Nov 90 15:00:07 PST
Reply-To: Info-Hams@UCSD.Edu
Sender: Info-Hams redistribution <DIST-HAM@RPIECS.BITNET>
From: Info-Hams Mailing List and Newsgroup <info-hams-relay@UCSD.EDU>
Subject: Info-Hams Digest V90 #446
X-To: Info-Hams@ucsd.edu
To: Multiple recipients of list DIST-HAM <DIST-HAM@RPIECS>

From -3841742170755013823
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56de695363e5ad2e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,56de695363e5ad2e,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-11-25 18:32:15 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!mintaka!olivea!samsung!
zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!att!rutgers!kb2ear!n2aam
From: n2aam@kb2ear.UUCP (Dave Marthouse N2AAM)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Digital audio broadcasting
Keywords: digital audio broadcasting
Message-ID: <672@kb2ear.UUCP>

Date: 25 Nov 90 09:25:22 GMT
Organization: KB2EAR Public Access UN*X, Kendall Park NJ
Lines: 9
Xref: gmdzi rec.radio.shortwave:2836 rec.ham-radio:17139
Posted: Sun Nov 25 10:25:22 1990

I read in the latest Sweden Calling Dxers that
Sweden was thinking about using a part of the fm band for digital audio
broadcasting. I am interested in knowing information regarding
this mode. Any technical information would be appreciated.
I know that the Ebu. is looking into such a system and it is being looked
at here in the Usa. as well. Any info would be appreciated.
Dave Marthouse
n2aam@kb2ear.UUCP

From -8692448638375981834
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17aa8ce60e0524cc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-25 18:51:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!att!rutgers!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio
Subject: Uniden HR2600 on VHF/UHF
Keywords: Low Power, Transverter
Message-ID: <375@ka2qhd.UUCP>
Date: 25 Nov 90 04:01:05 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 29
Posted: Sun Nov 25 05:01:05 1990

Hello Folks!

I recently purchased a Uniden HR2600 and a Microwave Modules MMT 144/28
2-meter linear transverter and got both interfaced and working well.
The HR2600 has an output power of 25 watts PEP on SSB, CW and 10 watts on
AM and FM. The transverter requires only 0.25 to 25 mW of 28 MHz drive for
proper operation. In an effort to reduce the HR2600 output level to the
level required by the transverter, I removed PB-100, a small double-sided
copper coated circuit board located under the top cover that supplies +Vcc
to the driver and final amplifier stages. I then soldered a jumper between
TP2 and TP4, the outermost prongs that hold PB-100 in place.

This action provides the HR2600 driver with full +Vcc, but removes +Vcc
from the MRF 477 final power amplifier. There is more than enough driver
energy fed through the final to excite the transverter in this configuration.

I've received good signal and audio reports from all the locals when using the transverter and the HR2600 with this simple modification. I believe this modification could make the HR2600 useable with other transverters as well.

73 and Good DX! de John, KD2BD

--
John A. Magliacane FAX : (908) 747-7107
Electronics Technology Department AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College UUCP : ...!rutgers!ka2qhd!kd2bd
Lincroft, NJ 07738 USA VOICE: (908) 842-1900 ext 607

From 292865997578809389
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fcc22665f129f40d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-25 21:39:45 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!ALF.UNOMAHA.EDU!pschleck
From: pschleck@ALF.UNOMAHA.EDU (Paul W. Schleck KD3FU)
Newsgroups: rec.ham-radio
Subject: Radios in _Memphis Belle_ (SPOILER!)
Message-ID: <9011251805.AA19268@alf.unomaha.edu>
Date: 25 Nov 90 18:05:47 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Lines: 46
Posted: Sun Nov 25 19:05:47 1990

Newsgroups: rec.ham-radio, rec.radio.shortwave
Summary: Review of technical aspects of _Memphis Belle_
Keywords: B-17,Memphis,Belle,SPOILER

WARNING: The following post is a SPOILER, so if you haven't seen the movie and want to see it fresh, abort this post now....

LAST WARNING......

TOO LATE!

"Command Set" junkies will like the racks of 'em mounted on the B-17's in Memphis Belle. Also prominent were B-voltage batteries, J-73 straight keys, etc. Somewhat amusing was the conversation between the radio operators of 2 bombers on the way to the target in Germany. The rookie operator was unsure of what to log and radioed the experienced one for help. "Just log everything, when you get more practice you'll know what to leave out." is a rough paraphrase of the answer. I'm sure there are those of us who could benefit from such advice. :-)

I have a hunch that if that conversation actually took place, it was in telegraphy (if I say the 2-letter abbreviation, it won't make it through the kill files of SOME users). The use of phone was probably for the movie audience's benefit. Any older radio op's wanna confirm/deny this?

When the German fighter sliced through the tail section of the rookie plane and their screams go out over the air to be picked up by the entire group, their signal fades into something that sounds like a dead ringer for HF weather fax. Seems the sound crew used the wrong FX for static! This is the ONLY slip-up, though.

It's refreshing to see a film that is technically accurate and believable, particularly since this one didn't break the bank like MIDWAY, which ventured to be accurate in EVERYTHING (including the >A1A<, I'm running out of synonyms! :-). I suspect the Confederate Air Force provided the planes, communications gear and all. Anyone in the CAF want to comment on the radio part of these plane's restoration and maintenance? Were those modern antennas/sensors that I saw on some of the planes in the movie to meet contemporary FAA regulations? Just curious.....

73, Paul W. Schleck, KD3FU
pschleck@alf.unomaha.edu

From 2276851310079878667
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e62215035648fbc8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-25 21:40:08 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!ECN.PURDUE.EDU!dev
From: dev@ECN.PURDUE.EDU (Larry Weeks)
Newsgroups: rec.ham-radio
Subject: Dipole antennas
Message-ID: <9011251813.AA16701@ei.ecn.purdue.edu>
Date: 25 Nov 90 18:13:27 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Lines: 21
Posted: Sun Nov 25 19:13:27 1990

Newsgroups: rec.ham-radio
Subject: Dipole antennas
Summary:
Expires:
Sender:
Followup-To:
Distribution:
Organization: Purdue University Engineering Computer Network
Keywords:

Hello,

I am asking for a friend...

He wants to put up an outdoor dipole antenna, and needs to tune it for 27.205 MHz. He needs the formula for wire length and type (gauge) for such an antenna. Thanks a lot. Please respond to me via email, the Internet address is below, since I don't read this group.

Larry
dev@ecn.purdue.edu

From 5923157748753007281
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cebb0230d9b4d13,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-25 21:54:21 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!DICKINSN.BITNET!GRAY_S
From: GRAY_S@DICKINSN.BITNET ("Gray, Steven")
Newsgroups: rec.ham-radio
Subject: FOR SALE: Shure 444D and Hustler 4-BTV
Message-ID: <9011251940.AA29147@ucsd.edu>
Date: 25 Nov 90 18:38:43 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Sun Nov 25 19:38:43 1990

I've got the following items for sale:

*** Shure Microphone model 444D; purchased 2/14/90; $45.00

*** Hustler 4-BTV Multiband Vertical; purchased 8/22/90; $70.00

Both are complete with boxes, manuals, receipts. The 4-BTV was installed on a tower for 3 weeks, and is in excellent shape. The Shure has barely been used.

BTW, the reason for the sale is that it appears I will be spending a good deal of time away from home over the next 2 years. Anybody know of a *hot* 10 meter mag-mount antenna? Doesn't Wilson make something that works well?

Thanks for reading!

---Steve Gray
NR3B
(717) 258-5477
gray_s@DICKINSN.Bitnet

From 674317905020448175
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dcd5a07d836384f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-25 22:19:47 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!phil

From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: IC-32AT Mod for out of band transmit
Message-ID: <1990Nov25.232757.18099@ux1.cso.uiuc.edu>
Date: 25 Nov 90 23:27:57 GMT
References: <1990Nov21.160352.22065@midway.uchicago.edu>
Organization: University of Illinois at Urbana
Lines: 58
Posted: Mon Nov 26 00:27:57 1990

pbhx@ellis.uchicago.edu (Peter B. Hayward) writes:
>I have the instructions for the mod to allow out of band
>transmit for the 32AT, but I wondered if there was anyone here
>who had done it. I would like to learn of your experience before
>I go ahead.

I have done it. I found that the suggested points to wire in the two diodes were awfully small and close to some surface mount parts compared to a couple other points a few mm's toward the top of the radio that I discovered by tracing the foil lines. I double checked to make sure that they were correct by:

1. Comparing the lines on the actual board to the lines on the board diagram in the service manual.

2. Following the lines to other components and comparing that to the schematic.

I then wired the two diodes from a common point I also traced to on the lower right, which was big enough for the twisted common end of the two diodes. The other ends went to the two other points I first mentioned.

These two diodes enable out of band transmit for each band separately, though I never determined which was which. If you do not want the out of band transmit, don't bother with these diodes.

I used the "switching diodes" Radio Shack sells.

I put insulation on the diode leads by stripping some off some large gauge wire first. Ordinary loose insulation is too big. This allowed me to keep everything as flat as possible.

The other mods call for cutting diodes in the lower right of the board, and I cut only ONE END of each, and put some insulation over the cut end with excess hanging on to prevent recontact.

I chose NOT to make the cut to enable 10 MHz frequency entry (personal preference).

>(Yes, yes, I know this is all wrong, type-accepted radios, etc.,
>but I want to have a backup to my marine radio in case it goes
>out just when I need it -- as it did once.)

It's too bad that when some people know that certain things are wrong, they go off and start telling you that OTHER things are wrong as well. Some people cannot even tell the difference sometimes. It depends on the question asked. I have never seen a law (and I looked for it) that makes it illegal to make these mods or to have such a modified radio.

There are some laws that make its use for many things illegal, but some people take that as liberty to claim other things to be illegal as well. Double check any such posting to see if the answer is one for the question you are asking, or if they are just answering the question they wished was asked.

--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 1825386259262170950
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5ae77ab4f6b1cc2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-25 22:21:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: SOLAR TERRESTRIAL FORECAST AND REVIEW
Message-ID: <901125152758.20402fcb@HG.ULeth.CA>
Date: 25 Nov 90 22:27:58 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 477
Posted: Sun Nov 25 23:27:58 1990

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Please Note:

A few modifications have been made to these reports. In addition to the new 20-day solar flux forecasts, new prediction charts have been added for potential VHF DX propagation. Included with the VHF DX propagation prediction charts are SID and auroral backscatter enhancement predictions charts. Comments regarding the inclusion/removal of these new features are welcomed. In order to keep the size of these reports down, some of the extraneous information has been removed.

An informational document is being prepared to aid those who are interested in understanding and using these reports in practical applications. To obtain this file, request the document "Understanding Solar Terrestrial Reports" from: "std_oler@hg.uleth.ca".

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--- SOLAR TERRESTRIAL FORECAST AND REVIEW ---
November 24 to December 04, 1990

Report Based In-Part from Data Obtained from the
Space Environment Services Center
Boulder Colorado

SOLAR TERRESTRIAL REVIEW FOR 18 NOVEMBER TO 24 NOVEMBER.

Solar activity over the last week was mostly moderate. Numerous M-class flare's occurred throughout the week. Almost all of the activity was attributed to Region 6368, which dominated the disk with its large size and magnetic complexity.

Region 6368 attained a maximum size of 9,240 million square kilometers (3,610 million square miles) on 18 November, encompassing a total of 107 spots. It is a magnetically complex Beta-Gamma-Delta region. The trailer spot complex was most active and has consistently held a delta-configuration. This region was uncharacteristically inactive considering the size and magnetic complexity that it attained. No major flares occurred from this region, although warnings were issued earlier in the week regarding the potential developement of major flare activity.

Region 6368 showed signs of decay on 20 November although it continued to produce a healthy barrage of C-class and occassional M-class flares. The largest flare from this region was a class M3.5/1N at 09:54 UT on 19 November. This region was believed responsible for producing a Type II sweep between 13:46 UT and 13:49 UT on 18 November. The estimated shock velocity was 1,000 km/sec. No terrestrial impacts occurred from this event.

Region 6368 has continued a very gradual decay since 20 November, maintaining a complex delta configuration in the trailing spot group. It has also continued frequent subflaring with modest amounts of C-class flaring. M-class flares have dropped in frequency since 20 November.

Region 6377 (S04W01) has developed rapidly over the past 24 hours and managed to produce a healthy class M3.1/1B Tenflare at 14:25 UT on 24 November. Other minor discrete radio emissions were observed from this flare. The location of this flare was at S04E04. It lasted 57 minutes, ending at 15:09 UT on 24 November. Region 6368 also managed to produce a class M1.2/SF flare at 23:46 UT on 24 November. Both of these flares produced a SID/SWF.

Geomagnetic activity was unexpectedly low this week. Activity was predicted to be unsettled to active, but maintained almost exclusively quiet conditions throughout the week. Effects from a coronal hole never materialized. As well, predicted solar activity never reached anticipated levels and thus did not produce expected terrestrial impacts.

Auroral activity likewise did not reach anticipated levels. Auroral activity was not visible at middle and low latitudes. Some higher latitudes spotted moderate auroral activity on 18 November, but activity dwindled as the week progressed.

Radio propagation conditions were normal to above normal this week. Relatively strong and stable signals occurred throughout the week at low and middle latitudes due to the unexpectedly quiet geomagnetic and auroral activity. Some increased levels of noise were evident on 18 November due to subsiding geomagnetic activity over higher latitudes. There were numerous short wave fades (SWFs) throughout the week, all attributed to the M-class flare activity from Region 6368. None of the SWF's were intense. The majority of frequencies affected were below 10 MHz. It is not known whether the SWF's were accompanied by VHF enhancements. Ionization levels were likely not high enough to produce any significant VHF signal enhancements, although there were probably localized area's of enhanced sporadic E during these periods.

As of 25 November, two additional SID/SWF's were observed. The first began at 14:12 UT and ended at 15:05 UT on 24 November. The second began at 23:30 UT and ended at 00:31 UT on 25 November. Both of these events were of low to moderate intensity and were flare-related.

SHORT TERM SOLAR TERRESTRIAL FORECAST

Solar activity is expected to remain mostly low with the possibility for occassional M-class flaring from departing Region 6368 and Region 6377. The Space Environment Services Center is continuing a condition YELLOW alert status for potential PCA and proton events. Region 6368 continues to sport a Beta-Gamma-Delta magnetic configuration with particular delta complexity in the trailer spot group. Probability for a major class X flare is stationary at 10% over the next two days, dropping to 5% on 27 November with the passage of Region 6368 beyond the west limb. There is a 5% probability of a major proton flare from this region. Although these probabilities are low, they warrant attention. The solar flux is expected to drop quite dramatically with the passage of Region 6368 beyond the west limb on 26 and 27 November.

Geomagnetic activity is expected to remain mostly quiet until 26 November when models suggest activity should increase to unsettled levels over all latitudes with a risk of active periods over middle and high latitude regions. No significant activity or storming is expected, however. Conditions should return to quiet to unsettled levels by 28 November.

Auroral activity will be dormant until near 26 November when some increase in activity may occur. Activity will remain confined to the high latitude regions where it is expected to be mostly of low intensity with possible bursts of moderate activity. Auroral activity is then expected to decline to non-visible levels on 27/28 November and remain quiet throughout the remainder of the week.

HF radio propagation conditions should be quite good this week, with only a slight increase in noise and flutter expected near 26/27 November. The expected increase in geomagnetic and auroral activity should not have much of an impact on HF radio communications. So with the exception of 26 and 27 November, HF communications should be above normal on most of the other days this week. Sporadic degraded HF propagation is possible on the sunlit side of the earth due to expected persisting SIDs/SWFs caused by minor solar flaring.

VHF radio propagation should remain normal this week. There is the potential for sporadic DX contacts during SID periods which are expected to occur on the sunlit hemisphere of the earth this week due to minor flaring from departing Region 6368 and Region 6377. Other than these slight possibilities, conditions will not be sufficient to provide widespread DX opportunities this week.

SUMMARY OF ALL ACTIVE REGIONS VISIBLE ON THE SOLAR DISK AS OF 25 NOVEMBER

Region #	Location	LO	Area	Class	LL	Spots	Magnetic Type
6368	N18W65	025	5460	FKI	23	045	BETA-GAMMA-DELTA
6372	S18W27	347	0120	HAX	02	002	ALPHA
6376	S17W82	042	0000	AXX	00	001	ALPHA
6377	S04W01	321	0540	DAI	09	030	BETA
6378	S09E11	309	0030	BXO	04	004	BETA
6379	S06E59	261	0180	CSO	06	006	BETA
6380	S07W11	331	0000	AXX	00	001	ALPHA
6381	S04E73	247	0150	HAX	02	001	ALPHA

NOTES: Area is in million square kilometers. Angular extent (LL) and solar longitude (LO) are in degree's. For more information regarding the terminology used above, request the Glossary of Solar Terrestrial Terms from: "std_oler@hg.uleth.ca".

H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AS OF 24:00 UT ON 24 NOVEMBER.

REGION	LOCATION	LO	COMMENTS (IF ANY)
6375	N25W42	002	NONE

ACTIVE REGIONS DUE TO RETURN BETWEEN 25 AND 27 NOVEMBER

Region	Latitude	Longitude (Helio.)
6355	N17	223
6347	S18	216
6350	S24	213
6349	S16	198

NOTES:
For definitions regarding the above, request the "Glossary of Solar Terrestrial Terms" from "std_oler@hg.uleth.ca".

GRAPHICAL ANALYSIS OF RECENT GEOMAGNETIC ACTIVITY - BOULDER COLORADO

```
                  Cumulative Geomagnetic Activity History
             Peak Geomagnetic Activity during the past 87 hours
     _________________________________________________________________
    |  EXTREMELY SEVERE |        |        |        |     | VERY HIGH! |
    | VERY SEVERE STORM |        |        |        |     | HIGH       |
    |      SEVERE STORM |        |        |        |     | MODERATE   |
    |       MAJOR STORM |        |        |        |     | MODERATE   |
    |       MINOR STORM |        |        |        |     | LOW        |
    |      VERY ACTIVE |        |        |        |     | NONE - LOW |
    |            ACTIVE |        |        |        |     | NONE       |
    |         UNSETTLED |     *  |   *  **|        |  * *| NONE       |
    |             QUIET |     ***|* ******|*     **|*****| NONE       |
    |        VERY QUIET |********|********|********|*****| NONE       |
    |-------------------|--------|--------|--------|-----|------------|
    | Geomagnetic Field |  Thu.  |  Fri.  |  Sat.  | Sun.|  Anomaly   |
    |    Conditions     |    Given in 3-hour intervals   | Intensity  |
    |_________________________________________________________________|
```

NOTES:

This graph ONLY depicts geomagnetic conditions observed at Boulder, Colorado for the past 87 hours. Conditions to the north of Boulder will generally have slightly higher activity than Boulder, while conditions to the south of Boulder will likely have lower activity than those depicted here. However, the plots should present a good approximate average of planetary geomagnetic conditions.

For information regarding the interpretation and/or use of these charts, send a request for the document "Understanding Solar Terrestrial Reports" to: std_oler@hg.uleth.ca

PLANETARY 10-DAY GEOMAGNETIC ACTIVITY OUTLOOK (25 NOVEMBER - 04 DECEMBER)

```
    ________________________________________________________________________
   |  EXTREMELY SEVERE |   |   |   |   |   |   |   |   |   |   | VERY HIGH! |
   | VERY SEVERE STORM |   |   |   |   |   |   |   |   |   |   | HIGH       |
   |      SEVERE STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MAJOR STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MINOR STORM |   |   |   |   |   |   |   |   |   |   | LOW        |
   |       VERY ACTIVE |   |   |   |   |   |   |   |   |   |   | NONE - LOW |
   |            ACTIVE |   |   |   |   |   |   |   |   |   |   | NONE       |
   |         UNSETTLED |   |***|***| * |   |   |   | * | * |***| NONE       |
   |             QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |        VERY QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |-------------------|---|---|---|---|---|---|---|---|---|---|------------|
   | Geomagnetic Field |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|  Anomaly   |
   |    Conditions     |       Given in 8-hour intervals       | Intensity  |
   |________________________________________________________________________|
```

NOTES:

Predicted geomagnetic activity is based heavily on recurrent phenomena. Transient energetic solar events cannot be predicted reliably over periods in excess of several days. Hence, there may be some deviations from the predictions due to the unpredictable transient solar component.

GRAPHICAL ANALYSIS OF SOLAR ACTIVITY OVER THE PAST 60 DAYS

```
                   Cumulative Graphical Analysis of
                           Solar Activity
    ------------------------------------------------------------
242|                                                            | MOD.
235|  F = Major Flare(s)                                        | MOD.
227|                  *                                         | MOD.
220|                 ***  *                            *        | MOD.
212|                 ***  *                  **      * *        | MOD.
205|                ****  *                  **      ***        | MOD.
197|              ******  *F                **** *  *****       | MOD.
190|             **********F                ******* *******     | LOW
182|       *    ***********F*               ****************    | LOW
175|      **   ************F*               ******************  | LOW
167|      *****************F**             *********************| LOW
160|     ******************F*** * *        *********************| LOW
152|   ********************F**********    **********************| LOW
145|***********************F********** * ***********************| LOW
137|***********************F************************************| LOW
130|***********************F************************************| LOW
    ------------------------------------------------------------
               Cumulative 60 day Solar Activity Record
                   Start Date:  September 27, 1990
```

NOTES:

Left-hand column digits represent the 10.7 cm solar radio flux obtained from Ottawa. The right-hand column describes the relative solar activity for that period based on the average number of major and minor flares that can be expected for related solar flux values. Plot lines labeled with the letter "F" represent days where at least one major flare occurred (ie. class M5 or greater flare).

GRAPHICAL 20-DAY SOLAR ACTIVITY PREDICTION

```
                           Solar Activity
 -----------------------------------------------------------------
| 230 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 224 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |**|**|**|
| 218 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |**|**|**|**|
| 212 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |**|**|**|**|
| 206 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |**|**|**|**|**|
| 200 |  |  |  |  |  |  |  |  |  |  |  |  |**|**|**|**|**|**|**|**|
| 194 |  |  |  |  |  |  |  |  |  |  |**|**|**|**|**|**|**|**|**|**|
| 188 |  |  |  |  |  |  |  |  |  |**|**|**|**|**|**|**|**|**|**|**|
| 182 |  |  |  |  |  |  |  |  |**|**|**|**|**|**|**|**|**|**|**|**|
| 176 |  |  |  |  |  |  |  |**|**|**|**|**|**|**|**|**|**|**|**|**|
| 170 |**|  |  |  |  |  |  |**|**|**|**|**|**|**|**|**|**|**|**|**|
| 164 |**|  |  |  |  |  |**|**|**|**|**|**|**|**|**|**|**|**|**|**|
| 158 |**|**|  |  |  |  |**|**|**|**|**|**|**|**|**|**|**|**|**|**|
| 152 |**|**|  |  |  |**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|
| 146 |**|**|**|  |**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|
| 140 |**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|**|
|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|Solar|25|26|27|28|29|30|01|02|03|04|05|06|07|08|09|10|11|12|13|14|
|Flux |     November    |                 December                |
 -----------------------------------------------------------------


HF RADIO SIGNAL PROPAGATION PREDICTIONS (25 NOVEMBER - 04 DECEMBER)

                              High Latitude Paths
            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |   |   |   |   |   |   |   |   |   |   |
           |           GOOD |   |   |   |   |   |   |   |   |   |   |
           |           FAIR |* *|   |  *|* *|***|***|***|***|* *|  *|
           |           POOR | * |***|** | * |   |   |   |   | * |** |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------

                             Middle Latitude Paths
            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |* *|   |  *|* *|***|***|***|* *|*  |   |
           |           GOOD | * |***|** | * |   |   |   | * | **|***|
           |           FAIR |   |   |   |   |   |   |   |   |   |   |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------

                                Low Latitude Paths
            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |***|* *|* *|***|***|***|***|***|  *|  *|
           |           GOOD |   | * | * |   |   |   |   |   |** |** |
           |           FAIR |   |   |   |   |   |   |   |   |   |   |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Given in 8-Hour UT Intervals      |
            --------------------------------------------------------

NOTES:
       High latitudes >= 55       degree's north latitude
     Middle latitudes >= 40 < 55  degree's north latitude
        Low latitudes  < 40       degree's north latitude



POTENTIAL VHF DX PROPAGATION PREDICTIONS (25 NOVEMBER - 04 DECEMBER)
   INCLUDES SID AND AURORAL BACKSCATTER ENHANCEMENT PREDICTIONS

                   HIGH LATITUDES
 __________________________________________________      ___________________
|  SIGNAL   | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   |   |   |   |   |   |   |   | 20%|*|*|*| | | | | | | |
|    NORMAL|***|  *|  *|***|***|***|***|***| **|  *| 40%| | | | | | | | | | |
|BELOW NORM|   |** |** |   |   |   |   |   |*  |** | 60%| | | | | | | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% |   |* *|* *|   |   |   |   |   |  *|* *| 40%| |*|*| | | | | | |*|
|      20% |***|***|***|***|***|***|***|***|***|***| 20%|*|*|*|*| | | |*|*|*|
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|


                  MIDDLE LATITUDES
 __________________________________________________      ___________________
|  SIGNAL   | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   |   |   |   |   |   |   |   | 20%|*|*|*|*|*|*|*| | | |
|    NORMAL|***| **| **|***|***|***|***|***|***| **| 40%|*|*| | | | | | | | |
|BELOW NORM|   |*  |*  |   |   |   |   |   |   |*  | 60%| | | | | | | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% |   |  *|   |   |   |   |   |   |   |   | 40%| | | | | | | | | | |
|      20% | **|***|***|  *|  *|  *|  *|   |* *|* *| 20%| |*|*| | | | | | |*|
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|
```

LOW LATITUDES

```
 __________________________________________________      ___________________
|  SIGNAL  | Given in 8 hour local time intervals  |    |  SID ENHANCEMENT  |
| QUALITY  |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|__________|___|___|___|___|___|___|___|___|___|___|    |-|-|-|-|-|-|-|-|-|-|
| VERY GOOD|   |   |   |   |   |   |   |   |   |   |  0%|*|*|*|*|*|*|*|*|*|*|
|ABOVE NORM|   |   |   |   |   |   |   |   |   |   | 20%|*|*|*|*|*|*|*| | | |
|    NORMAL|***|***|***|***|***|***|***|***|***|***| 40%|*|*|*| | | | | | | |
|BELOW NORM|   |   |   |   |   |   |   |   |   |   | 60%| |*| | | | | | | | |
| VERY POOR|   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|  BLACKOUT|   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|==========|===|===|===|===|===|===|===|===|===|===|    |-------------------|
|     100% |   |   |   |   |   |   |   |   |   |   |100%| | | | | | | | | | |
|      80% |   |   |   |   |   |   |   |   |   |   | 80%| | | | | | | | | | |
|      60% |   |   |   |   |   |   |   |   |   |   | 60%| | | | | | | | | | |
|      40% | **| **|   |   |   |   |   |   |   |   | 40%| | | | | | | | | | |
|      20% |***|***| **| **| **| **| **|   |   |   | 20%| | | | | | | | | | |
|       0% |***|***|***|***|***|***|***|***|***|***|  0%|*|*|*|*|*|*|*|*|*|*|
|----------+---|---|---|---|---|---|---|---|---|---|    |-|-|-|-|-|-|-|-|-|-|
|CHANCE OF |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|    |S|M|T|W|T|F|S|S|M|T|
|  VHF DX  | Given in 8 hour local time intervals  |    |AURORAL BACKSCATTER|
|__________|_______________________________________|    |___________________|
```

NOTES:

These VHF DX prediction charts are defined for the 50 MHz to 220 MHz bands. They are based primarily on phenomena which can affect VHF DX propagation globally. They should be used only as a guide to potential DX conditions on VHF bands. Latitudinal boundaries are the same as those for the HF predictions charts. For more information, request the document "Understanding Solar Terrestrial Reports" from: "std_oler@hg.uleth.ca".

AURORAL ACTIVITY PREDICTIONS (25 NOVEMBER - 04 DECEMBER)

High Latitude Locations

```
 ________________________________________________________
| EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
|      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
|           HIGH |   |   |   |   |   |   |   |   |   |   |
|       MODERATE |   | * | * |   |   |   |   |   |   | * |
|            LOW | **|***|***|***|   |   |   | * | * |***|
|    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
|----------------|---|---|---|---|---|---|---|---|---|---|
|    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
|   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------

                          Middle Latitude Locations
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   |   |   |   |   |   |   |   |
           |       MODERATE |   |   |   |   |   |   |   |   |   |   |
           |            LOW |   |***|***|   |   |   |   |   | * |***|
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------

                             Low Latitude Locations
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   |   |   |   |   |   |   |   |
           |       MODERATE |   |   |   |   |   |   |   |   |   |   |
           |            LOW |   |   |   |   |   |   |   |   |   |   |
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------
```

NOTE:

For more information regarding these charts, send a request for the document, "Understanding Solar Terrestrial Reports" to: std_oler@hg.uleth.ca

** End of Report **

From -7965722947189849977
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,adca5c826e0fe9a2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-25 22:22:19 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: more on the WAZ award
Keywords: modes and fragmentation
Message-ID: <1990Nov25.233306.18625@ux1.cso.uiuc.edu>
Date: 25 Nov 90 23:33:06 GMT
References: <39972@ut-emx.uucp> <1990Nov21.172114.7528@dcdwest.uucp>
Organization: University of Illinois at Urbana
Lines: 28
Posted: Mon Nov 26 00:33:06 1990

plb@dcdwest.uucp (Phil Blais) writes:

>Come on people, variety is the spice of life as they say, if you don't
>like a certain topic theres always the 'n' key, rn macros, kill files

Can we get off this 'n' key crap? Some people don't like to have to keep pressing this key time and time again. It is too easy to just SAY that there is such a key, but when you add up the time it takes to display the next posting, and the number of postings someone does not want to read, day after day, this really starts to add up in terms of time spent reading, or specifically NOT reading.

Not everyone is skilled at writing macros. If you want to offer a service to these people to do so, then please post your offer and then more people can take advantage of the feature. The same goes for kill files.

>etc. etc. I for one don't believe there is any need to further fragment
>this news group. Of course I like hot and spicy Mexican food also and
>I realize there are lots of people who don't get much past milk and
>cookies :-)

Some people even get beyond that: Chinese, Indian, Thai, Indonesion, and many more.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -6087143634503616241
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c67df7f93fd5b168,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 04:19:43 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!snorkelwacker.mit.edu!hsdndev!husc6!genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: Ham Stacks compacter
Message-ID: <39808@genrad.UUCP>
Date: 26 Nov 90 12:19:43 GMT
Sender: news@genrad.UUCP
Lines: 25
Posted: Mon Nov 26 13:19:43 1990

Hi, Guys!

The good news is that the ham stacks are now available on apple.com via ftp. The bad news is that I've gotten two requests why they can't be unpacked using StuffIt. Hopefully to reduce the amount of email, I'll make this an article instead.

The reason why these ham stacks can't be unpacked with StuffIt is because
they were never PACKED by StuffIt. StuffIt doesn't do a good enough job
to allow all five Ham Stacks on a single 800K diskette. I used a compressor
called Diamond4.2, which is included on all diskettes that I send out
(including the one I sent to the people at apple.com). Hopefully, they
either unpacked them before putting them on the computer, or they included
the Diamond4.2 compactor on the computer as well. Go back and check for
the Diamond4.2 compactor program.

Hope this helps.

Diana

```
->Diana L. Syriac      dls@genrad.com         Ham: KC1SP (Sweet Pea)      <-
->I'D RATHER BE FLYING! P-ASEL, INST       CAP: 1LT, Freedom 690 Mobile<-
->GenRad                        AD ASTRA, PER ASPERA       <-
->MS/6, 300 Baker Ave, Concord, Mass.  01742   (508) 369-4400 x2459       <-
```

From 2756630237595486382
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96244e537f59bc27,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 05:26:29 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!VTVM1.CC.VT.EDU!KENDALLG
From: KENDALLG@VTVM1.CC.VT.EDU (Gary Kendall)
Newsgroups: rec.ham-radio
Subject: Radar detectors in Virginia
Message-ID: <9011261335.AA21581@ucsd.edu>
Date: 26 Nov 90 13:26:29 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Mon Nov 26 14:26:29 1990

In a recent digest, Mark Eakin asked:

| As long as this is still the place for legal RF questions, I've have one:
|
| I seem to remember that radar detectors are illegal in Virginia, a friend says
| its Maryland. Does anyone know? I hope we're not both right, I'm moving up
| there soon.
| --
I can't say about Maryland, but in Virginia it is *ILLEGAL* to operate a
radar detector in your vehicle. If you're stopped by an officer/trooper/deputy
and you have one hooked up *OR* if the unit is accessible to the driver from
inside the vehicle (like laying on your seat, even if it's disconnected) then
you're fair game for a ticket. If it's locked up in your trunk where you can't
get at it while driving then you're safe.

Years ago they would actually confiscate the device; I don't think that's done
now.

'73...
Gary KB4GCF / KENDALLG@vtvm1.cc.vt.edu

From 400147834611656342
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cef9f08c484d1aa8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,cef9f08c484d1aa8
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f5cc0,cef9f08c484d1aa8
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-11-26 05:47:04 PST
Path: gmdzi!unido!mpirbn!p515dfi
From: p515dfi@mpirbn.mpifr-bonn.mpg.de (Daniel Fischer)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.space
Subject: Re: * SpaceNews 19-Nov-90 *
Summary: When was Mars declared U.S. property?
Keywords: Mars
Message-ID: <1394@mpirbn.mpifr-bonn.mpg.de>
Date: 26 Nov 90 13:47:04 GMT
References: <370@ka2qhd.UUCP>
Reply-To: p515dfi@mpirbn.UUCP (Daniel Fischer)
Organization: Max-Planck-Institut fuer Radioastronomie, Bonn
Lines: 14
Xref: gmdzi rec.ham-radio:17171 rec.ham-radio.packet:3104 sci.space:17779
Posted: Mon Nov 26 14:47:04 1990

In article <370@ka2qhd.UUCP> kd2bd@ka2qhd.UUCP (John Magliacane) writes:

```
>                         * SpaceNews  19-Nov-90 *
>The planet Mars will be visible to those living on the east coast of the
                         ^^^^^^^ ^^ ^^^^^ ^^^^^^ ^^ ^^^ ^^^^ ^^^^^ ^^ ^^^
>United States.  The planet will appear as a reddish "star" in the eastern
 ^^^^^^ ^^^^^^
>sky.  Best viewing will begin around 8:00PM local time...
```

Very interesting: then what was that bright orange spot I've seen recently from Germany? If NASA wants to go to Mars, and if it wants to go alone, it's o.k. - but do they then have to restrict its visibility :-) ?

Except for Antarctica, of course, Mars is visible these days at 8 p.m. local time around the globe.

From -7177829335934459195
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d04953aeb96028,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 06:23:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!usc!apple!bionet!agate!ucbvax!lynx.northeastern.edu!sehrlich
From: sehrlich@lynx.northeastern.edu

Newsgroups: rec.ham-radio
Subject: Gordon West
Message-ID: <memo.579111@lynx.northeastern.edu>
Date: 26 Nov 90 14:23:10 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Mon Nov 26 15:23:10 1990

Hi again. I finally received my Novice call in the mail a few weeks ago! KA1WNU/KT. I was able to upgrade from Novice to Technician in just 3 days with the help of Gordon West's Technician guide from Radio Shack. His material was excellent. My question is: Does anyone know if Gordon West has any study guides for license classes higher than General? I am presently studying his General class book, and would be very disapointed if this was his highest level book.

Any help out there?

TNX, 73s

Scott, KA1WNU/KT

From 1136438402745570920
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ee3413aeedc0ccb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 06:47:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!lynx.northeastern.edu!sehrlich
From: sehrlich@lynx.northeastern.edu
Newsgroups: rec.ham-radio
Subject: Friend of Mine
Message-ID: <memo.579133@lynx.northeastern.edu>
Date: 26 Nov 90 14:47:32 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Mon Nov 26 15:47:32 1990

A good friend of mine moved down to Florida a few weeks ago from here in Boston, Mass. He is not a Ham, but he said his father is, but also said that he didn't believe his father was active in the hobby. Does anyone know? My friend's father's name is Daniel A. Kane, WA2FEG. Mr. Kane presently resides in Ft. Lauderdale, Florida. Has anyone heard WA2FEG on any of the bands?

THX for any help.

Scott, KA1WNU/KT

From 5164637785005971235
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92e367b168c1ec1b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,92e367b168c1ec1b,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-11-26 06:50:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!
cs.utexas.edu!tut.cis.ohio-state.edu!uc!nachos.SSESCO.com!elmquist
From: elmquist@nachos.SSESCO.com (Chris Elmquist)
Newsgroups: sci.space,rec.ham-radio
Subject: NASA element sets available for FTP
Message-ID: <265@nachos.SSESCO.com>
Date: 26 Nov 90 14:50:39 GMT
Sender: elmquist@nachos.SSESCO.com
Followup-To: sci.space
Organization: none
Lines: 28
Xref: gmdzi sci.space:17773 rec.ham-radio:17162
Posted: Mon Nov 26 15:50:39 1990

We have set up a directory on one of our machines for anonymous FTP'ing of T.S. Kelso's NASA element sets. Dr. Kelso is mailing them directly to me as well as posting them to various newsgroups. I will make them immediately available for anonymous FTP once I receive them. The current and the previous versions will be available.

The element sets are available from:

nachos.ssesco.com [192.55.187.18]

in the directory:

nasa_elements

The filenames are of the form:

nasaXXX

where 'XXX' is the element set number as released by Dr. Kelso.

Problems with FTPing? Address them to: elmquist@ssesco.com

--
Chris Elmquist, N0JCF
Internet: elmquist@SSESCO.com
AMPRN: N0JCF@WB0GDB.MN.USA.NA
BellNet: (612) 785-3516

From -9475047295579997779
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,e2076b79846cbbda,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 07:02:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!lynx.northeastern.edu!sehrlich
From: sehrlich@lynx.northeastern.edu
Newsgroups: rec.ham-radio
Subject: Boston U.
Message-ID: <memo.579146@lynx.northeastern.edu>
Date: 26 Nov 90 15:02:10 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Mon Nov 26 16:02:10 1990

Does anyone know who I should contact regarding the possible purchase of some of Boston University's Amateur Radio Club equipment? I have heard that their club has gone under, and that they are (were) looking for buyers of their equipment. If anyone knows anything about this (or if my information is completely wrong), please e-mail me.

Thanks much,

Scott (sehrlich@lynx.northeastern.edu), KA1WNU/KT

From 4080243532608371656
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,87d9759ab2cbbbba,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 07:26:02 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!LONEX.RADC.AF.MIL!szarekw
From: szarekw@LONEX.RADC.AF.MIL (William J. Szarek)
Newsgroups: rec.ham-radio
Subject: Dr-590 results (long)
Message-ID: <9011261526.AA12053@lonexc.radc.af.mil>
Date: 26 Nov 90 15:26:02 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 293
Posted: Mon Nov 26 16:26:02 1990

hi,

I am back with the results from my battle with alinco. For those who have seen this before and are familiar with my quest the new info is on the last page of this posting. For those who are not familiar read on. For those who don't care oh well . . . .

Mail id: 2493
From: szarekw (William J. Szarek)
To: info-hams@ucsd.edu
Date: Thu, 11 Oct 90 10:07:26 EDT

Subject: re:Alinco DR-590T

In response to buzz here are my findings regarding the 590T

>I just picked up a brand new Alinco DR-590T and have had some problems that
>I would like to share with you all out there in ham-net land. Maybe someone
>out there can help me with a couple of these problems.

I guess not too many people have these rigs yet otherwise I would not have to respond to your request. I hope there are others besides yourself that are interested in this information. In any event this is what worked for me (sans jinglish). I am not however responsible for what you do to your rig . . . etc.

>1, I got this unit because of all the cool features it is supposed to have,
>including cross-band repeat. The instruction manual does not even mention
>this feature. After calling Alinco I found that this was a feature functions
>only after modification. They said (more than a week and a half ago) that they
>would send me the modification instructions. I haven't heard anything from
>them.

If you ask them (nicely) there are (a few) dudes at Alinco that are willing to help and are smart enought to be helpfull (there is a differance ;-}). They can fax you the information or even send it to you next day air at no charge if you ask politely or are VERY persistant (as in my case).
Now the big news . . . to modify the rig to xmit out of band (to call the cops etc ;-}), to operate as a cross band remote, etc. follow these easy steps.
1) remove the control head from the unit (2 screws on each side of the forward part of the rig, near the control head).

2) hold the control head in your hand face down and remove the two screws you see on the back of the control head.

3) remove the cover from the back of the control head (it snaps off)

4) locate a blue loop of wire. There is only one blue loop of wire.

5) cut, unsolder, remove, destroy, nuke, the blue wire (your choice) [I neither advocate nor encourage the indiscriminate use of nukes]

6) undo step 3

7) undo step 2

8) undo step 1

9) connect the rig to antennas, power etc as outlined in the manual.

10) hold down the function key and turn on the power

This is what you will find . . .
The rig now transmits everywhere.
it now will display (not receive) 800Mhz band and 300Mhz band on the 440 side of the display in rotation (press the uhf switch to switch from band to band)
It will now display (not recieve) the aircraft band (yes it does indicate AM) on the 2 meter side of the rig. There is no AM detector presently but I am working on it.

Cross band operation:
To enable cross band remote press (and hold) the funciton key and then (while still holding the function key) press the vhf switch. Cross band operation is now enabled using the displayed TX and RX frequencies. Splits still funciton in cross band operation so don't link 2 repeters together! Frequency selection for each band can be from the vfo, memory, or ARM (a cool Alinco function).
To disable cross band operation simply press (and hold as before) the funciton key and press the uhf switch. Note: failing to hold the f-key down and then pressing uhf or vhf enables a strange function that I have yet to figure out.

>2, The Autodialer (an option for the 590E according to page 13 of the manual)
>did not work as in the insturctions. Another call to Alinco and I found
>that it is also an option in the 590T. On page 19 it was pointed out to
>me is a note to this effect. These instructions are also unclear. Anyway
>I went out and purchased the required DTMF unit and installed it. Now I
>can store the numbers in the autodialer's memories, however I cannot get
>the rig to autodial any number except the number stored in memory #1. I
>have tried every possible interpretation of the directions on page 13 of
>the manual and had no success. Another call to Alinco . . . they told me
>that they knew that the manual was written in jinglish (japanese/english)
>and was hard to understand. They said that they would send me a complete
>manual written by someone who spoke english as their primary language. I
>asked them why this manual was not provided with the rig and they said that
>it was free to anyone who asked for it ?!?!

Simple problem . . . a typeing error (translation error?).
Turn to page 13 of the instructions
find "Transmitting the Stored Autodialer Number:(DR-590E: Option)

Step 2 should read:
Enter DTMF pad code c14 and select the desired autodialer channel.

>3, This rig is supposedly able to receive DTMF codes from another transmitter
>What will allow remote control of the rig (useful as a very flexible cross
>band repeater). I have not been able to get this to function on my rig at
>all. I can only hope that possibly the modification they promised to send
>me will enable this function or that the new english directions will beable
>to explain how to make this happen.

Even the grand Alinco wizzard has not figured this out. He said that he was working on better directions and that as soon as he had them he would send them to me.

>4, The remote page/DTMF squelch function are completely cryptic I hope they
>are also explained in the english directions.

Same deal as above. However if you sat around with a friend who also had
a similarly equipped rig you could probabily figure it out.

>Anyone with any mods or operation instructions for this rig please let me
>know. Am I the only one with these problems? Does anyone have any solutions?
>Is Alinco always this slow? etc.?

Here are your mods/instructions. Yes I believe you are. I found the solutions.
In my experience Alinco has always operated in this manner.

>I will post a summary when a solution is found
>so send responses to me at my address:szarekw@lonex.radc.af.mil

Here is the summary. In case you haven't figgured it out by now I am answering
my own query. I just figgured someone might want the info.

>73
>-buzz

It has been nice doing buisness with you
-buzz
KE2WD

>I will not instigate revolution . . .
>   B. Simpson

Just grow up will ya!

Mail id: 2525
From: szarekw (William J. Szarek)
To: info-hams@wsmr-simtel20.army.mils
Date: Tue, 16 Oct 90 08:04:03 EDT
Subject: DR590T Remote Control
X-Acknowledge:

And now the long awaited jinglish - english translation for the remote control
of the DR-590t by a transceiver with DTMF. (and as a bonus a big disappointment)

The following is a direct copy of the info Alinco was kind enough to send
me. [my comments appear in these brackets]

1. Set frequency
        a, go to vfo mode and set desired frequency on the DR-590T, and fully
open squelch. ("Busy" indicator will appear).
        b, Set same frequency on the remote Transceiver, and fully open squelch.
           [not necessary]

2. Set Remote Channel and access code.

a. enter C10 on the DR-590 Touch Tone Mic Pad. *the frequency display will flash).

b. Enter channel selection (one numerical digit (1-4) and an access code (three numerical digits) on the DR-590T touch Tone Mic Pad. [it would be good for you to compare this part with the DSQ function descrition in the manual so that you can see "What is realy happening here"]

3. Enter DSQ function in the DR-590T

a. enter C!@ on the DR-590T Touch Tone Mic Pad.
(DSQ indicator will flash)

b. Push the PTT on the DR-590T Mic.
DSQ indicator will stop flashing and the "busy" indicator turns off)

c. Press the "f" (function) key and the MHz (up) key. The DSQ starts flashing again, and there will be a confirmation tone.

4. Access Remote Transceiver to DR590T

a. From the remote transceiver, transmit same DTMF access code (three numerical digits) as set into the DR-590T. The "Busy" indicator turns on the DR-590T (normally, you will hold the PTT on your remote transceiver and push the appropriate DTMF tones). [???? Jinglish again ?!?!?!?]

5. Initiate remote control commands

a. From the remote transceiver, transmit the desired "C" code (see page 14 of the DR-590T manual) from the dtmf Touch Tone Pad.

b. If you want to perform an additional remote commands you must remember to put the remote transciever in the same frequency that the DR-590T may be in. [how in the hell do you know if you are remote from the DR-590 and if you err durring a remote command how do you recover . . . more on this later] Retransmit the access code and the desired "c" code.

6. Cancelling the remote control function and turning off the dsq function

a. If the DSQ indicator is not flashing, enter C12 on the touch tone pad of the dr-590t. the dsq will start flashing.

b. With the dsq indicator flashing, press the MHz (down) button once. The dsq indicator will turn off.

--End of instructions from Alinco --

Now the bummer
This function does not allow you to control frequency selection/etc on the other band. (i.e. from 440 you cannot switch over to 2meters and change frequency and then go back to 440). You cannot operate this function in conjunction with any of the memories, you must remain in VFO mode. This function does not opperate in cross band remote mode.

I am a bit miffed that Alinco didn't see this through. They could have created the all time worlds greatest mobile rig that would allow one to access it via 440 and then work any of your favorite 2 meter repeters operating as a remote base. They even saw fit include a dtmf function that allows you to remote key the transmitter (rather than running as a repeater). This in conjunction with the other functions that are 1/2 implemented certainly say something about Alinco.

Counter point
It is still a great radio and I would buy it again still knowing what I know now. The only differance is that I wouldn't be as disappointed when I found out that the rig doesn't "really" do all that Alinco says it can do.

Any way I hope you enjoy your rig as much as I enjoy mine.

73
buzz
KE2WD

****

Now the good news.

After working with(?) alinco regarding the "features" of this rig I have discovered how to repeter hop using the remote base (cross band feature) of DT-590.

Start with the rig in 'normal' mode. (just like you would use it normally).

On the 2 meter side of the rig select a known repeter on a frequency above 147.000 Mhz including the positive (this is important) offset and put this frequency and offset into the vfo.

Press the function button.

Press the up or down buttons on the microphone untill memory channel A is selected on the display.

Press Memory Write key.

Key the mike (don't forget to I.D.).
If you hear the squelch tail from the repeter you will have stored the repeter frequency in the ARM. (see Alinco instructions for operation of this feature, they are not to bad).

Now enter any repeter frequency below 147.000MHz including the negative offset.

Key the mike (ID) and listen for the squelch tail.

notice the negitive offset.

now enter any repeter frequency and you will notice that the offset will automatically be "-" for repeter frequencies lower than 147.000 and will be "+" for repeter frequencies greater (or equal to) 147.000 in accordance with the commonly accepted bandplan.

This will function in the remote control mode so now you can repeter hop with your remote base unit, controling it with your 440 HT. Nothing like a 45 watt handheld!

Enjoy

'73
Buzz

WM1W

P.S. I haven't called Alinco yet so they still don't know about this feature. Up to now they have told me that this function was imposible and that if I discovered how to do it please call them otherwise please leave them alone (I've been quite a pest). So in the true spirit of ham radio I decided to publish my findings here . . . before I called alinco. That way "we" know where "they" got "their" information from ! |-}
Party-on dudes.

It's better to burn out than it is to rust.
- N. Young

From 3277119895046544664
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e0e02c16827bf89,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 07:27:58 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!LONEX.RADC.AF.MIL!szarekw
From: szarekw@LONEX.RADC.AF.MIL (William J. Szarek)
Newsgroups: rec.ham-radio
Subject: Mobile Madness
Message-ID: <9011261527.AA12070@lonexc.radc.af.mil>
Date: 26 Nov 90 15:27:58 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 90
Posted: Mon Nov 26 16:27:58 1990

From: popyackl (Leonard J. Popyack)
To: info-hams@!ucsd.edu
Date: Wed, 21 Nov 90 13:45:52 EST
Subject: Mobile Madness
Cc: szarekw

Additional info and clarifications on Buzzard's Antenna:

>Date: Tue, 20 Nov 90 09:34:01 EST
>From: szarekw@LONEX.RADC.AF.MIL (William J. Szarek)
>Subject: Mobile HF antennas
>To: info-hams@UCSD.edu
>
>Jerome, I hope this information is helpful. If you need more information
>please contact me at szarekw@lonex.radc.af.mil .
>
>My ant is a TEXAS BUG CATCHER. It is available from GLA Systems, P.O. Box

```
>425, Caddo Mills, TX 75005.  Henry Allen WB5YTD is the designer and builder
>of the antenna.  I had the pleasure of speaking with him on 2 meters during
>a recent trip to texas and had a pleasant QSO re: mobiling.  Henry said
he
>d oesn't see too many put together the way mine is but smaller/simpler antennas
>of this design will perform equally well with consideration given for size/res.
>freq. trade-offs.
>
>I used a 54' mast with the #88 coil (10" long 3" diameter 8 turns per inch)
           ^--------*** NOT TRUE !!!  54 Feet?  Comon Buzz....
>, a 20" diameter capacitive top hat, and a 102" whip on a 4" spring.
>
>  [Stuff Deleted]
>
>I have this antenna mounted on my Jeep (Wrangler) and have found that as
>long as the capacity hat and coil are above the roof of the vehical (even
>those with metal roofs) the antenna will function very well.


            draw us a picture, Buzz...I don't think the net will
            believe it!

>
>The tip of the antenna is 18 1/2 feet off the ground.  In order to allow
>me to get under bridges and just about anything I have a winch mounted on
>the front bumper that can pull the antenna down (folding it over at the
spring
>above the capacitive hat) to about 10 feet.  I have found that if I want
>to keep my height low I can tune up the antenna in this position and it
will
>function just about as well as it did in the vertical position (like the
>texas longhorn antenna mentioned in the bb).

            this is true!  I have seen this Jeep.  Anynore antennas
            and it would tip over in a gusty wind!



>
>   [stuff deleted]
>
>While on my last trek some debris fell off a truck and took out a window
>on the jeep and then hit my antenna.  The bug-catcher components stayed
>together.
> The stainless steel mast (7/8" diameter) bent near the threads much to
the
>credit of Henry Allen.

>
>If I had it to do again my mobile HF antenna would be the Texas Bug Catcher
>73
>-buzz
>WM1W (was KE2WD)
```

Anyone else out there in Net-o-land have a mobile set-up which rivels
Buzzards? I once saw a picture of a mobile set-up with 2 meter 11 element

beams on it. (I think it was QST).

-Len
  WF2V

Comment by: szarekw   Date: Mon, 26 Nov 90 10:27:58 EST

len,
thanks for the catching this. . .

The mast is 54" not 54'... but now that you mention it what a great Idea!

73
buzz
WM1W

From 6907523335188748988
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d521d73c682b0b68
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 07:29:54 PST
Path: gmdzi!unido!mcsun!uunet!sbi!zeus!pivot-nj!canada!jerrys
From: jerrys@canada.sbi.com (Jerry Simonowits)
Newsgroups: rec.ham-radio
Subject: Re: STATES WHERE RADAR DETECTORS ARE ILLEGAL?
Summary: Montreal also
Message-ID: <106@canada.sbi.com>
Date: 26 Nov 90 15:29:54 GMT
References: <597.274FAB1F@w8grt.fidonet.org>
Organization: Salomon Brothers - NJ
Lines: 11
Posted: Mon Nov 26 16:29:54 1990

Radar detectors are also illegal in Montreal, Canada.

Jerry Simonowits
Salomon Technology Services, Inc.
Internetworking & Support Group
Phone: 201-896-7330
Email: jerrys@canada.sbi.com
(KB2GCG)

From -5452708563609704619
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,9bdeb071ee7d163,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 07:46:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!rex!uflorida!MATTHIAS@MAPLE.CIRCA.UFL.EDU
From: matthias@maple.circa.ufl.edu
Newsgroups: rec.ham-radio
Subject: Packet interface to landline modem..?
Message-ID: <00940494.51218800@MAPLE.CIRCA.UFL.EDU>
Date: 26 Nov 90 15:46:01 GMT
Sender: news@uflorida.cis.ufl.EDU
Reply-To: matthias@maple.circa.ufl.edu
Organization: University of Florida
Lines: 11
Posted: Mon Nov 26 16:46:01 1990

A quick question to any experts on PArt 97:
A friend and I, recently started into VHF (2M) packet radio, were wondering
if it'd be legal to interface a TNC with a standard telephone modem to
allow us to call landline bulletin board systems while mobile. The interface
would be "one-way" ie - we could call out but noone could call in.
The system would be used only for our enjoyment - nothing involving
buisness.
Please reply to MATTHIAS@PINE.CIRCA.UFL.EDU (internet) or MATTHIAS@UFPINE
(bitnet).
Thanks in advance for helping with this..
73's ES GUD DX!   - Aaron A. Algiere, KC4NGA (ADV)

From 2328547540003665151
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3e03e42bac9627ac,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 09:12:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!kuhub.cc.ukans.edu!paul
From: paul@kuhub.cc.ukans.edu
Newsgroups: rec.ham-radio
Subject: Want info on hand held 2 meter rigs....
Message-ID: <27078.2750f880@kuhub.cc.ukans.edu>
Date: 26 Nov 90 17:12:00 GMT
Organization: University of Kansas Academic Computing Services
Lines: 2
Posted: Mon Nov 26 18:12:00 1990

I'd appreciate information about hand held 2 meter rigs, model #s,
power, and price. Thank you! (Please e-mail directly.)

From 8797305487173725093
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28c3893db0083e24,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 09:35:57 PST

Path: gmdzi!unido!mcsun!uunet!know!sdd.hp.com!elroy.jpl.nasa.gov!ames!sun-barr!newstop!west!L1-A.West.Sun.COM!flloyd
From: flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242)
Newsgroups: rec.ham-radio
Subject: Super Repeaters
Summary: Where's the Biggest?
Message-ID: <1219@west.West.Sun.COM>
Date: 26 Nov 90 17:35:57 GMT
Sender: news@west.West.Sun.COM
Organization: Sun Microsystems, Phoenix, AZ
Lines: 31
Posted: Mon Nov 26 18:35:57 1990

As a point of trivia, I've been wondering which single ham repeater has the largest coverage area accessable with ordinary equipment. This question includes all repeaters, but is limited to the area served by a single machine (not the area served by multiple linked machines).

For example, the Mt. Lemmon Repeater, 147.15, is one of the farthest reaching that I can think of. It is located at a level of 9000+ feet and has an extremely high HAAT (Height Above Average Terrain). It can be accessed with a handheld from Phoenix, over 100 miles to the north. This would seem to indicate that it covers an area of nearly 30,000 square miles. Given that much of this is probably shaded, I would guess that 15,000 is not unlikely with this machine. This area does not include the other machines in the ZIA link which are conected to the 715 machine (a good story by itself).

Which other machines around the contry or the world are in this category? Which machine do you think would rank as the worlds largest in terms of coverage area?

Inquiring minds want to know... :-)

-fred

--
```
| Fred Lloyd  AA7BQ                           flloyd@West.sun.com |
| Sun Microsystems, Inc.                             ...sun!flloyd |
| Phoenix, AZ                                                     |
```

From 2314035626303180244
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f0997d57eb6ff543,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 10:05:48 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!dgc.ceo.dg.COM!Rich_Corley
From: Rich_Corley@dgc.ceo.dg.COM

```
Newsgroups: rec.ham-radio
Subject: JPEG Image Compression
Message-ID: <9011261805.AB00060@rtp40.dg.com>
Date: 26 Nov 90 18:05:48 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Mon Nov 26 19:05:48 1990
```

CEO summary:
Has anybody read anything about the JPEG Image Compression standard that is being worked on by ISO (I think). If so, could you please forward to me the name of the magazine in which the article appeared and also the date. Thanks in advance.

Rich WA1TMT

```
From -7802278259666697509
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,e0bf5bd4a8130c8d
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,e0bf5bd4a8130c8d
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,e0bf5bd4a8130c8d
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-26 10:41:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-
radio
Subject: Re: Internet-Packet Reply (LONG!)
Message-ID: <366@ultrix.uhasun.hartford.edu>
Date: 26 Nov 90 18:41:51 GMT
References: <588.274BDE36@w8grt.fidonet.org>
Sender: news@uhasun.hartford.edu
Followup-To: rec.ham-radio.packet
Organization: The University of Hartford
Lines: 41
Xref: gmdzi rec.radio.shortwave:2874 rec.ham-radio.swap:825 rec.ham-
radio.packet:3109 rec.ham-radio:17186
Posted: Mon Nov 26 19:41:51 1990
```

In article <588.274BDE36@w8grt.fidonet.org>, jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

```
>
>  > From: skipsand@crash.cts.com (Skip Sanders)
>  > Date: 22 Nov 90 05:38:53 GMT
>  > Organization: Crash TimeSharing, El Cajon, CA
>  > Message-ID: <5796@crash.cts.com>
>  > Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,
>  > rec.ham-radio
>  >
>  > Jim, unless you can get your program licensed by the FCC as a control
>  > operator, it does NOT comply with the rules requiring a control operator
>  > to screen traffic before it goes on-air.
>
> Show me where in the regs it says a control operator may not employ
> mechanical aids to facilitate the screening process by marking for human
> review all messages containing certain key words and phrases he has selected
> for use in a grep process.

Since you ask...
     97.115(b) The third party may participate in stating the
                  message where:
                    (1) The control operator is present at the control
                        point and is continuously monitoring and
                        supervising the third party's participation...

Note the use of the word "continuously."  That means the control op must
review (monitor) *all* of the third-party communications, not just some
portion thereof marked mechanically.

> Let's not try to be more British than the British here. As I said, the FCC
> expects a good faith effort, but they're not dumb enough to expect 100%
> accuracy EVEN WITH 100% EYEBALL INSPECTION. No matter how it is done, a tiny
> percent will slip through when somebody yawns or blinks.

They expect a good-faith effort to follow the rules, not to (mis)interpret
them to "allow" us to do whatever we damn please.

--
Jon Bloom, KE3Z                              | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu         |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."


From 3944396242437257480
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ee8da8f95c2ed0ab
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 10:45:59 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: AMSAT orbital data format
Summary: It's a service
Message-ID: <367@ultrix.uhasun.hartford.edu>
Date: 26 Nov 90 18:45:59 GMT
References: <12640522248.27.LSPRINGSTEEN@WSMR-SIMTEL20.ARMY.MIL>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 17
Posted: Mon Nov 26 19:45:59 1990
```

In article <12640522248.27.LSPRINGSTEEN@WSMR-SIMTEL20.ARMY.MIL>,
LSPRINGSTEEN@WSMR-SIMTEL20.ARMY.MIL (Larry L. Springstee) writes:
> RE:AMSAT ELEMENT SETS
>
> GREETINGS ALL,
>   I have been wondering WHY the good people at AMSAT insists on publishing
> orbital element data in an archaic and expanded format. I have been relaying

Because there are still a number of people out there in satelliteland
using programs that can read only the old format. If I recall correctly,
there was some discussion of this question within AMSAT, but they opted
to continue supporting those people. Personally, I consider it darn
nice of AMSAT to take that attitude.

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--
Jon Bloom, KE3Z                               | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu          |
Snail:    225 Main St., Newington, CT 06111   | "I have no opinions."
```

From -1035813813250067833
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96244e537f59bc27
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 11:10:29 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!phri!sci.ccny.cuny.edu!rpi!
zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!gatech!uflorida!
mailer.cc.fsu.edu!sun13!murray
From: murray@sun13.scri.fsu.edu (John Murray)
Newsgroups: rec.ham-radio
Subject: Re: Radar detectors in Virginia
Message-ID: <1465@sun13.scri.fsu.edu>
Date: 26 Nov 90 19:10:29 GMT
References: <9011261335.AA21581@ucsd.edu>
Organization: SCRI, Florida State University
Lines: 20
Posted: Mon Nov 26 20:10:29 1990

In article <9011261335.AA21581@ucsd.edu> KENDALLG@VTVM1.CC.VT.EDU (Gary Kendall)
writes:
>I can't say about Maryland, but in Virginia it is *ILLEGAL* to operate a
>radar detector in your vehicle.
[...]
>Years ago they would actually confiscate the device; I don't think that's done
>now.

Somewhere in Canada recently they instituted legislation along these lines,
using detector detectors. There, they confiscated them, issued a fine, and,
on the spot, put a hammer through the top of the detector..

Fortunately, they weren't confiscating the units belonging to non-residents..

>Gary KB4GCF / KENDALLG@vtvm1.cc.vt.edu

--
Disclaimer: Any opinions above (or below) have nothing to do with reality.

```
John R. Murray              |"Death needs time for what it kills to grow in for
murray@vsjrm.scri.fsu.edu   | Apuk's sweet sake, you stupid vulgar greedy ugly
Supercomputer Research Inst.| American Death Sucker.." - William S. Burroughs
```

From 6951715353219119610
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96f96cb9808e4586,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 11:22:14 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: N2RM and CQWW CW
Keywords: N2RM multimulti contest CQWW CW
Message-ID: <815@idacrd.UUCP>
Date: 26 Nov 90 19:22:14 GMT
Organization: idacrd, princeton, nj
Lines: 35
Posted: Mon Nov 26 20:22:14 1990

Hi:

We had an outstanding weekend at N2RM in the CW contest. I ran 160 meters the entire weekend from opening to closing and operated Saturday afternoon on 40 and Sunday morning on 10. Our score (before we have gone over the logs with a fine toothed comb) was 17.58 million. This was just enough to edge out K1AR. The scores are incredibly close and if there is a missed or dropped multiplier or we have more broken calls than they, the boys from New England could come out on top. At any rate, it was a good weekend everywhere except on 10 meters. We had the most Q's on 10 but it was 900 fewer than the phone weekend. BTW, our 160 station was definitely LOUD ;-). We either had more Q's or multipliers than any of the other contenders on 160! I hope everyone gets to operate a decent, if not winning, multi-multi sometime. It's a blast! BTW, the score above is a new US record by a million points and since AR is so close, one of us will surely set a new US CQWW CW record. The highlights of the weekend (besides 160 ;-) were an absolutely stellar performance by N2AA and K2TW on 20 and KZ2S/N2ME on 40. 80,15, and 10 were either ahead or close to the other big US stations but these two bands were clear winners.

A parting thought: don't neglect 160 on the last evening of the contest. The opening to Europe and Africa was just outstanding and I got five countries and one zone in the closing 1.5 hours of the contest. N2NT reported similar results for 160 in his either 1st or second place single op unassisted run (He's close in with K1CC). I worked CN5N in the last 10 minutes!

73's
Bob
--

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----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From 4929683103347685008
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b8bf7f8e2765af51,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 11:42:01 PST
Path: gmdzi!unido!mcsun!uunet!sbi!zeus!pivot-nj!canada!jerrys
From: jerrys@canada.sbi.com (Jerry Simonowits)
Newsgroups: rec.ham-radio
Subject: fcc regulations
Message-ID: <107@canada.sbi.com>
Date: 26 Nov 90 19:42:01 GMT
Organization: Salomon Brothers - NJ
Lines: 36
Posted: Mon Nov 26 20:42:01 1990

Hi,
I just ran into a situation at work and I thought that someone here might be able to help me. We have installed a number of HT and repeater stations at work. My company has two main sites in the metro ny area, one in downtown new york, and the other in rutherford.

Well, to make a long story short, the guys in new york have asked me to give up my repeater station to them. I don't really need it much as there are only a few dead spots at our location that our HT's can't cover. However, here's where it gets interesting.

I asked them what they plan on using it for. Well, it turns out, that all they really want is another frequency allocation. The vendor has told them that they can't get one unless they also get a repeater. The vendor says that the fcc won't give out additional simplex frequencies unless you also have a need for repeater frequencies. Sounds kind of absurd to me.

So I called the local fcc office. Unfortunately, all I got was a polite, but totally ignorant secretary who took a message. The "person that handles this is out in the field".

Well, I am now turning to my ham "friends" for help. Does anyone know if we are getting a crock of s _ _ _ from the vendor (probably) ? Does anyone know who at the fcc I should be calling to get this squared away ??

Thanks in advance for your help folks.

Jerry Simonowits
Salomon Technology Services, Inc.
Internetworking & Support Group
Phone: 201-896-7330
Email: jerrys@canada.sbi.com
(KB2GCG)

From 2034915687401919831
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 11:44:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: Another look at Radar Detector Legality for Hams
Message-ID: <14208@crdgw1.crd.ge.com>
Date: 26 Nov 90 19:44:08 GMT
References: <901125190431.20417607@STAR.TAMU.EDU>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 19
Posted: Mon Nov 26 20:44:08 1990
In-reply-to: JWJ2047@STAR.TAMU.EDU (N5PYK)

In article <901125190431.20417607@STAR.TAMU.EDU>, JWJ2047@STAR (N5PYK) writes:
>now we put 2 and 2 together
>Since the allocation for X Band (10Ghz) falls within the 100 Mhz bandwidth
>centered on 10.525 Ghz for police radar
>and the K band allocation is right in the middle of our band
>incidently this K band freq is 24.15 Ghz
>Who is to say that the radar detectors, which can easily be a reception device
>for cw are illegal for amateurs to use in any state?

People working portable microwave stations in the ARRL v/u/shf
contests have reported that the W2SZ/1 station on Mt Greylock has
pegged their radar detector from 30 miles away on 24 Ghz. I plan to
use one next time in addition to the usual array of gear for 8 bands.

hmm... maybe mount it on a dish...

don perley - ke2tp

perley@trub.crd.ge.com

From -4244024964295372810
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c4893bdf647f3de,start

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 11:51:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!phri!sci.ccny.cuny.edu!rpi!
zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!sdd.hp.com!ucsd!ucbvax!
WCUVAX3.WCU.EDU!CRISP
From: CRISP@WCUVAX3.WCU.EDU (Russ Crisp)
Newsgroups: rec.ham-radio
Subject: HELP with an FM construction project!!
Message-ID: <9011262053.AA26044@ucsd.edu>
Date: 26 Nov 90 19:51:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Mon Nov 26 20:51:00 1990
```

Hello fellow networkers.

I would like to establish communication with a broadcast engineer, or someone in this line who has a good understanding of the processes involved in FM stereo broadcasting. Knowledge of the internals of a stereo generator, etc. would be just what I'm looking for. I'm working on an experiment, and need a few construction tips.

Regards,
Russ Crisp
Internet: CRISP@WCUVAX3.WCU.EDU

```
From 5586738461587197368
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28c3893db0083e24
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 12:15:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!phri!sci.ccny.cuny.edu!rpi!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: Super Repeaters
Message-ID: <14210@crdgw1.crd.ge.com>
Date: 26 Nov 90 20:15:38 GMT
References: <1219@west.West.Sun.COM>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 16
Posted: Mon Nov 26 21:15:38 1990
In-reply-to: flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242)
```

In article <1219@west.West.Sun.COM>, flloyd@L1-A (Fred Lloyd SUN Phoenix SE

602-275-4242) writes:
>
>As a point of trivia, I've been wondering which single ham repeater has
>the largest coverage area accessable with ordinary equipment. This
>question includes all repeaters, but is limited to the area served by
>a single machine (not the area served by multiple linked machines).

I would guess one of the sattelites. You can hear DOVE-1 with
a rubber duck antenna on an HT, though it isn't strictly speaking
a repeater.

There are a few 100 mile range repeaters (from a handheld) around here.
I don't think the coverage areas are anywhere near round though.

-don perley
perley@trub.crd.ge.com

From -5647363939892371600
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28c3893db0083e24
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 12:47:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!network.ucsd.edu!brent
From: brent@network.ucsd.edu (Brent Jones)
Newsgroups: rec.ham-radio
Subject: Re: Super Repeaters
Message-ID: <4082@network.ucsd.edu>
Date: 26 Nov 90 20:47:08 GMT
References: <1219@west.West.Sun.COM>
Organization: Ich geh' kaput. Gehst du mit?
Lines: 11
Posted: Mon Nov 26 21:47:08 1990

In article <1219@west.West.Sun.COM> flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242) writes:
>
>As a point of trivia, I've been wondering which single ham repeater has
>the largest coverage area accessable with ordinary equipment. This
>question includes all repeaters, but is limited to the area served by
>a single machine (not the area served by multiple linked machines).

If you mean 2 meter repeaters, on the California coast every couple of
years when a good ducting condition settles in, one can access the
Hawaii machines... Accessing repeaters up and down the coast over the
water at distances of 200+ miles on 2 meters is common.

From -1434733136714446771
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,47b7b055b678e08e
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 114aac,5d0e2d90ed359e4a,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-11-26 12:48:05 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: where to find 559 RADIO related files for anonymous FTP
Keywords: radio ftp
Message-ID: <1990Nov26.003938.27001@ux1.cso.uiuc.edu>
Date: 26 Nov 90 00:39:38 GMT
Organization: University of Illinois at Urbana
Lines: 569
Xref: gmdzi rec.ham-radio:17152 rec.radio.shortwave:2851
Posted: Mon Nov 26 01:39:38 1990

These are files that matched "radio" in their pathnames. There were 559 files that matched. This is not a guarantee that the files actually are related to ham radio or shortwave radio.

(there are 559 files listed)

```
ajpo.sei.cmu.edu:     5330 Jun 29  1988 public/infoada/X/x_toolkit/doc/
radio_buttons.doc
alfred.ccs.carleton.ca:     1677 Nov 25  1989 pub/gnu/x11.r4/src/contrib/clients/
winterp/examples/radiobox1.lsp
alfred.ccs.carleton.ca:     2318 Nov 25  1989 pub/gnu/x11.r4/src/contrib/clients/
winterp/examples/radiobox2.lsp
allspice.lcs.mit.edu:       85 Feb  6  1990 pub/ham-radio/gdt/ka9q_turbo.cfg
allspice.lcs.mit.edu:     2723 Jan 25  1990 pub/ham-radio/gdt/nos-se
allspice.lcs.mit.edu:     1605 Jan 25  1990 pub/ham-radio/gdt/nos-se-porting
allspice.lcs.mit.edu:     7484 Jan 20  1990 pub/ham-radio/nos-instructions
allspice.lcs.mit.edu:     8548 Aug 20 12:43 pub/ham-radio/rspf/arp.c
allspice.lcs.mit.edu:    10519 Aug 20 12:43 pub/ham-radio/rspf/ax25.c
allspice.lcs.mit.edu:     6775 Aug 20 12:44 pub/ham-radio/rspf/commands.h
allspice.lcs.mit.edu:    15473 Aug 20 12:44 pub/ham-radio/rspf/config.c
allspice.lcs.mit.edu:     1482 Aug 20 12:44 pub/ham-radio/rspf/internet.h
allspice.lcs.mit.edu:     1899 Aug 20 12:44 pub/ham-radio/rspf/ipdump.c
allspice.lcs.mit.edu:    47015 Aug 20 12:39 pub/ham-radio/rspf/rspf.arc
allspice.lcs.mit.edu:    43111 Aug 20 12:44 pub/ham-radio/rspf/rspf.c
allspice.lcs.mit.edu:     3501 Aug 20 12:44 pub/ham-radio/rspf/rspf.h
allspice.lcs.mit.edu:     2605 Aug 20 12:44 pub/ham-radio/rspf/rspfdump.c
allspice.lcs.mit.edu:     4870 Aug 20 12:44 pub/ham-radio/rspf/rspfhdr.c
allspice.lcs.mit.edu:   182060 Jan 21  1990 pub/ham-radio/simtel/autoexam.zip
allspice.lcs.mit.edu:      697 Jan 21  1990 pub/ham-radio/simtel/simtel-dir
allspice.lcs.mit.edu:      432 Jan 21  1990 pub/ham-radio/zipfiles.doc
ames.arc.nasa.gov:      549 Jan 22  1990 pub/SPACE/radio01.22.90
ames.arc.nasa.gov:      586 Feb  8  1990 pub/SPACE/radio02.12.90
ames.arc.nasa.gov:      557 Mar 10  1990 pub/SPACE/radio03.12.90
ames.arc.nasa.gov:      713 Dec 28  1989 pub/SPACE/radio09.25.89
ames.arc.nasa.gov:      665 Dec 28  1989 pub/SPACE/radio10.23.89
ames.arc.nasa.gov:      594 Dec 28  1989 pub/SPACE/radio11.20.89
ames.arc.nasa.gov:      567 Dec 15  1989 pub/SPACE/radio12.15.89
apple.com:   354933 Nov 22  1989 pub/ham-radio/AdvHamTestV1.sit.hqx
apple.com:    81536 May 22 08:10 pub/ham-radio/BM-Mac2.sit.hqx
apple.com:   112384 May 22 12:36 pub/ham-radio/BM-Mac2.src.sit.hqx
apple.com:    94720 Jun  6 17:06 pub/ham-radio/BeginTCP.sit.hqx
apple.com:     8704 May 25 17:00 pub/ham-radio/Domn0522.Net
apple.com:   225293 Nov 22  1989 pub/ham-radio/GenHamV1.sit.hqx
apple.com:    27392 May 25 16:54 pub/ham-radio/Host0522.Net
apple.com:    16568 Nov 22  1989 pub/ham-radio/MorseCodeV1.2.sit.hqx
apple.com:   249856 May 22 08:01 pub/ham-radio/Net-Mac2.sit.hqx
apple.com:   618880 May 22 13:45 pub/ham-radio/Net-Mac2.src.sit.hqx
apple.com:   294518 Nov 22  1989 pub/ham-radio/NoviceHamV2.sit.hqx
apple.com:   248311 Nov 22  1989 pub/ham-radio/TechnicianHamV2.sit.hqx
apple.com:    82432 Aug 12  1989 pub/ham-radio/ampr-hosts.net
apple.com:    97671 Feb 22  1990 pub/ham-radio/dove.hqx
apple.com:     3976 Feb 22  1990 pub/ham-radio/dove.readme
apple.com:    16369 Nov 17  1989 pub/ham-radio/morse.hqx
apple.com:   252416 Nov 21  1989 pub/ham-radio/tcpmanual
chyde.uwasa.fi:    13436 Dec 22  1989 pc/ts/radio11.arc
ditmela.cng.dit.csiro.au:    16440 Aug 17  1989 info-mac/misc/macs-and-ham-
radio.txt
ftp.ncsa.uiuc.edu:   212005 Aug 13 07:20 pub/salzman/radiosity.ps.Z
ftp.ncsa.uiuc.edu:   292506 Aug 13 07:17 pub/salzman/radiosity.ps.Z.uu
gaffa.mit.edu:      679 Mar 17  1987 afs/.athena.mit.edu/astaff/project/cref/OLD/
old_Ref/Cwork/Policies/E40/playing_radios_E40_policy*
interviews.stanford.edu:      289 Aug 10  1989 dist/2.6/iv/src/InterViews/Bitmaps/
radio.bm
interviews.stanford.edu:      284 Aug 10  1989 dist/2.6/iv/src/InterViews/Bitmaps/
radioBoth.bm
interviews.stanford.edu:      294 Aug 10  1989 dist/2.6/iv/src/InterViews/Bitmaps/
radioChosen.bm
interviews.stanford.edu:      279 Aug 10  1989 dist/2.6/iv/src/InterViews/Bitmaps/
radioHit.bm
interviews.stanford.edu:      284 Aug 10  1989 dist/2.6/iv/src/InterViews/Bitmaps/
radioMask.bm
interviews.stanford.edu:      289 Aug 31 10:45 include/Bitmaps/radio.bm
interviews.stanford.edu:      284 Aug 31 10:45 include/Bitmaps/radioBoth.bm
interviews.stanford.edu:      294 Aug 31 10:45 include/Bitmaps/radioChosen.bm
interviews.stanford.edu:      279 Aug 31 10:45 include/Bitmaps/radioHit.bm
interviews.stanford.edu:      284 Aug 31 10:45 include/Bitmaps/radioMask.bm
kolvi.hut.fi:      570 Feb 24  1990 hamradio/INDEX
kolvi.hut.fi:   135028 Oct  6 11:27 hamradio/antenna.zip
kolvi.hut.fi:    58532 Jul 18 22:06 hamradio/bsq.arc
kolvi.hut.fi:   119850 Feb 14  1990 hamradio/dxcc104.arc
kolvi.hut.fi:   156271 Feb  9  1990 hamradio/dxedge.zip
kolvi.hut.fi:   354554 Jul 18  1989 hamradio/eme-vk3um.arc
kolvi.hut.fi:   266039 Sep  8  1989 hamradio/esatsunz.arc
kolvi.hut.fi:   217160 Sep  8  1989 hamradio/eworkz.arc
kolvi.hut.fi:   126448 Mar  4  1990 hamradio/exl-loki.zip
kolvi.hut.fi:   218540 Jun 26 22:57 hamradio/fielday.zip
kolvi.hut.fi:   165461 Dec 14  1989 hamradio/geoclk40.arc
kolvi.hut.fi:   154074 Apr 19  1989 hamradio/hamrtty.arc
kolvi.hut.fi:      151 Sep 24  1989 hamradio/incoming/README
kolvi.hut.fi:   123591 Sep  8  1989 hamradio/oh1aa.arc
kolvi.hut.fi:   158259 Sep  8  1989 hamradio/oh2bcv.arc
kolvi.hut.fi:    73025 Sep  8  1989 hamradio/oh2bgn.arc
kolvi.hut.fi:   196389 Feb 18  1990 hamradio/satra10.arc
kolvi.hut.fi:     3350 Sep 24  1989 hamradio/simtel/00-index.txt
kolvi.hut.fi:    60849 Jun 18  1989 hamradio/simtel/autocw.arc
kolvi.hut.fi:   182060 Jan  5  1990 hamradio/simtel/autoexam.zip
kolvi.hut.fi:    12452 Sep  3  1989 hamradio/simtel/autofax.arc
kolvi.hut.fi:   165621 Aug 18  1989 hamradio/simtel/autolog4.arc
kolvi.hut.fi:   108461 Sep  3  1989 hamradio/simtel/cnlog140.arc
kolvi.hut.fi:    25065 Sep  3  1989 hamradio/simtel/contest.arc
kolvi.hut.fi:    62536 Sep  3  1989 hamradio/simtel/cw.arc
kolvi.hut.fi:    55936 Sep  3  1989 hamradio/simtel/filter11.arc
kolvi.hut.fi:    23776 Jan 31  1990 hamradio/simtel/gc103.arc
kolvi.hut.fi:    10244 Sep  3  1989 hamradio/simtel/geosat.arc
kolvi.hut.fi:    41852 Sep  3  1989 hamradio/simtel/ham0101.arc
kolvi.hut.fi:    95745 Sep  3  1989 hamradio/simtel/hampac5.arc
kolvi.hut.fi:    11902 Sep  3  1989 hamradio/simtel/intmod60.arc
kolvi.hut.fi:   156061 Jan 26  1990 hamradio/simtel/kam401.arc
kolvi.hut.fi:   104668 Sep  3  1989 hamradio/simtel/logbook.arc
kolvi.hut.fi:    13061 Sep  3  1989 hamradio/simtel/machine.arc
kolvi.hut.fi:   158720 Sep  3  1989 hamradio/simtel/mininec3.arc
kolvi.hut.fi:    42496 Aug  7  1989 hamradio/simtel/miniprop.arc
kolvi.hut.fi:   143738 Sep  3  1989 hamradio/simtel/minprop2.arc
kolvi.hut.fi:   100227 Sep  8 10:08 hamradio/simtel/nov_test.lzh
kolvi.hut.fi:   117004 Sep  3  1989 hamradio/simtel/rfs.arc
kolvi.hut.fi:   144799 Sep  3  1989 hamradio/simtel/rftools.arc
kolvi.hut.fi:     1860 Sep  3  1989 hamradio/simtel/sattaim.arc
kolvi.hut.fi:   117156 Sep  3  1989 hamradio/simtel/sm207.arc
kolvi.hut.fi:   128482 Feb  3  1990 hamradio/simtel/sm309.arc
kolvi.hut.fi:   111491 Sep  8 10:08 hamradio/simtel/sm315.lzh
kolvi.hut.fi:    35968 Sep  3  1989 hamradio/simtel/wefax.arc
kolvi.hut.fi:    15826 Sep  3  1989 hamradio/simtel/whatson.arc
kolvi.hut.fi:    30943 Sep  3  1989 hamradio/simtel/wheritis.arc
kolvi.hut.fi:    98944 Sep  3  1989 hamradio/simtel/wxrdr22.arc
kolvi.hut.fi:    15151 Jan 28  1990 hamradio/stress.arc
meson.cs.washington.edu:     1075 Aug  9 00:11 tmp/pfs_mount/
JUNE.CS.WASHINGTON.EDU-u1/radhika/News/amateur_radio
meson.cs.washington.edu:     9106 Nov  1  1989 tmp/pfs_mount/
JUNE.CS.WASHINGTON.EDU-u1/richk/News/radio
meson.cs.washington.edu:      705 Apr 17  1990 tmp/pfs_mount/
JUNE.CS.WASHINGTON.EDU-u1/sundt/doc/ubrc/radio.log
meson.cs.washington.edu:     2410 Apr 17  1990 tmp/pfs_mount/
JUNE.CS.WASHINGTON.EDU-u1/sundt/doc/ubrc/radio.tex
milton.u.washington.edu:     3742 Jan 10  1990 public/download/c64/sids/
musicfiles/radio-qlnk.mus
milton.u.washington.edu:     2177 Jan 10  1990 public/download/c64/sids/
musicfiles/radio-qlnk.str
milton.u.washington.edu:      528 Jan 10  1990 public/download/c64/sids/
musicfiles/radio-qlnk.wds
psuvax1.cs.psu.edu:     1677 Nov 25  1989 pub/src/X11R4/contrib/clients/winterp/
examples/radiobox1.lsp
psuvax1.cs.psu.edu:     2318 Nov 25  1989 pub/src/X11R4/contrib/clients/winterp/
examples/radiobox2.lsp
psuvax1.cs.psu.edu:      289 Aug 10  1989 pub/src/X11R4/contrib/toolkits/
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InterViews/src/InterViews/Bitmaps/radio.bm
psuvax1.cs.psu.edu:      284 Aug 10  1989 pub/src/X11R4/contrib/toolkits/
InterViews/src/InterViews/Bitmaps/radioBoth.bm
psuvax1.cs.psu.edu:      294 Aug 10  1989 pub/src/X11R4/contrib/toolkits/
InterViews/src/InterViews/Bitmaps/radioChosen.bm
psuvax1.cs.psu.edu:      279 Aug 10  1989 pub/src/X11R4/contrib/toolkits/
InterViews/src/InterViews/Bitmaps/radioHit.bm
psuvax1.cs.psu.edu:      284 Aug 10  1989 pub/src/X11R4/contrib/toolkits/
InterViews/src/InterViews/Bitmaps/radioMask.bm
psuvax1.cs.psu.edu:     5272 Nov 29  1989 pub/src/X11R4/contrib/toolkits/suit/
widgets/suit/St/StRadioSw.h
psuvax1.cs.psu.edu:     3697 Nov 29  1989 pub/src/X11R4/contrib/toolkits/suit/
widgets/suit/St/StRadioSwP.h
psuvax1.cs.psu.edu:    11144 Nov 29  1989 pub/src/X11R4/contrib/toolkits/suit/
widgets/suit/lib/StRadioSw.c
psuvax1.cs.psu.edu:     3146 Nov 29  1989 pub/src/X11R4/contrib/toolkits/suit/
widgets/suit/lib/StRadioSwI.h
rusmv1.rus.uni-stuttgart.de:    18852 Jun 22 07:26 info/server/ftpserverlist/
radio.lis
rusmv1.rus.uni-stuttgart.de:    34816 Feb 12  1990 soft/pc/pc-public/misc/
hamradio/anarcswl.mar
rusmv1.rus.uni-stuttgart.de:    19712 Feb 12  1990 soft/pc/pc-public/misc/
hamradio/callbook.c
rusmv1.rus.uni-stuttgart.de:     9856 Feb 12  1990 soft/pc/pc-public/misc/
hamradio/hamfreqs.lst
rusmv1.rus.uni-stuttgart.de:    12288 Feb 12  1990 soft/pc/pc-public/misc/
hamradio/rttyfreq.lst
rusmv1.rus.uni-stuttgart.de:     2048 Feb 12  1990 soft/pc/pc-public/msdos/
hamradio/aaaread.me
rusmv1.rus.uni-stuttgart.de:    12544 Feb 12  1990 soft/pc/pc-public/msdos/
hamradio/autofax.arc
rusmv1.rus.uni-stuttgart.de:    62592 Feb 12  1990 soft/pc/pc-public/msdos/
hamradio/cw.arc
rusmv1.rus.uni-stuttgart.de:    10368 Feb 12  1990 soft/pc/pc-public/msdos/
hamradio/geosat.arc
rusmv1.rus.uni-stuttgart.de:    95872 Feb 12  1990 soft/pc/pc-public/msdos/
hamradio/hampac5.arc
rusmv1.rus.uni-stuttgart.de:   143744 Feb 12  1990 soft/pc/pc-public/msdos/
hamradio/minprop2.arc
rusmv1.rus.uni-stuttgart.de:    64640 Feb 12  1990 soft/pc/pc-public/msdos/
hamradio/morse24c.arc
rusmv1.rus.uni-stuttgart.de:    55808 Feb 12  1990 soft/pc/pc-public/msdos/
hamradio/novice.arc
rusmv1.rus.uni-stuttgart.de:    43264 Feb 12  1990 soft/pc/pc-public/msdos/
hamradio/novice1f.arc
rusmv1.rus.uni-stuttgart.de:    36864 Feb 12  1990 soft/pc/pc-public/msdos/
hamradio/orbit23.arc
rusmv1.rus.uni-stuttgart.de:   117120 Feb 12  1990 soft/pc/pc-public/msdos/
hamradio/rfs.arc
rusmv1.rus.uni-stuttgart.de:   117248 Feb 12  1990 soft/pc/pc-public/msdos/
hamradio/sm207.arc
rusmv1.rus.uni-stuttgart.de:    35968 Feb 12  1990 soft/pc/pc-public/msdos/
hamradio/wefax.arc
```

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rusmv1.rus.uni-stuttgart.de:    98944 Feb 12  1990 soft/pc/pc-public/msdos/
hamradio/wxrdr22.arc
sachiko.acc.stolaf.edu:     9186 Feb  1  1989 home/sachiko/cdr/doc/japan/Music/
radio.japan
sachiko.acc.stolaf.edu:       37 Aug 28  1987 home/sachiko/cdr/doc/music/Labels/
tapes/munchen.radio
sachiko.acc.stolaf.edu:     6334 May 23  1987 home/sachiko/cdr/doc/music/Lyrics/
radio_eriwahn.tex.Z
sachiko.acc.stolaf.edu:     1677 Nov 25  1989 mnt/X11R4/contrib/clients/winterp/
examples/radiobox1.lsp
sachiko.acc.stolaf.edu:     2318 Nov 25  1989 mnt/X11R4/contrib/clients/winterp/
examples/radiobox2.lsp
sachiko.acc.stolaf.edu:      289 Aug 10  1989 mnt/X11R4/contrib/toolkits/
InterViews/src/InterViews/Bitmaps/radio.bm
sachiko.acc.stolaf.edu:      284 Aug 10  1989 mnt/X11R4/contrib/toolkits/
InterViews/src/InterViews/Bitmaps/radioBoth.bm
sachiko.acc.stolaf.edu:      294 Aug 10  1989 mnt/X11R4/contrib/toolkits/
InterViews/src/InterViews/Bitmaps/radioChosen.bm
sachiko.acc.stolaf.edu:      279 Aug 10  1989 mnt/X11R4/contrib/toolkits/
InterViews/src/InterViews/Bitmaps/radioHit.bm
sachiko.acc.stolaf.edu:      284 Aug 10  1989 mnt/X11R4/contrib/toolkits/
InterViews/src/InterViews/Bitmaps/radioMask.bm
sachiko.acc.stolaf.edu:     5272 Nov 29  1989 mnt/X11R4/contrib/toolkits/suit/
widgets/suit/St/StRadioSw.h
sachiko.acc.stolaf.edu:     3697 Nov 29  1989 mnt/X11R4/contrib/toolkits/suit/
widgets/suit/St/StRadioSwP.h
sachiko.acc.stolaf.edu:    11144 Nov 29  1989 mnt/X11R4/contrib/toolkits/suit/
widgets/suit/lib/StRadioSw.c
sachiko.acc.stolaf.edu:     3146 Nov 29  1989 mnt/X11R4/contrib/toolkits/suit/
widgets/suit/lib/StRadioSwI.h
samba.acs.unc.edu:    16440 Apr  5  1990 pub/mac_misc/macs-and-ham-radio.txt
sauna.hut.fi:     5637 Jul 24  1989 pub/ftp.dirs/radio.astro.utoronto.ca.Z
sics.se:    16440 Jul 17 15:14 pub/info-mac/misc/macs-and-ham-radio.txt
sol.deakin.oz.au:    13436 Jan  8  1990 pub/PC/chyde/ts/radio11.arc
sol.deakin.oz.au:     4252 Nov  3 21:11 pub/PC/simtel-20/hamradio/00-index.txt
sol.deakin.oz.au:      122 Aug 24 22:53 pub/PC/simtel-20/hamradio/aaaread.me
sol.deakin.oz.au:    60849 Aug 24 22:53 pub/PC/simtel-20/hamradio/autocw.arc
sol.deakin.oz.au:   182060 Aug 24 22:54 pub/PC/simtel-20/hamradio/autoexam.zip
sol.deakin.oz.au:    12452 Aug 24 22:54 pub/PC/simtel-20/hamradio/autofax.arc
sol.deakin.oz.au:   165621 Aug 24 22:55 pub/PC/simtel-20/hamradio/autolog4.arc
sol.deakin.oz.au:    15104 Jul 21 11:01 pub/PC/simtel-20/hamradio/bestbeam.bqs
sol.deakin.oz.au:    25065 Jul 21 12:41 pub/PC/simtel-20/hamradio/contest.arc
sol.deakin.oz.au:    62536 Aug 24 22:56 pub/PC/simtel-20/hamradio/cw.arc
sol.deakin.oz.au:    43150 Aug 24 22:56 pub/PC/simtel-20/hamradio/dove3w13.zip
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sol.deakin.oz.au:    55936 Jul 21 12:41 pub/PC/simtel-20/hamradio/filter11.arc
sol.deakin.oz.au:    23776 Jul 25 03:54 pub/PC/simtel-20/hamradio/gc103.arc
sol.deakin.oz.au:    10244 Aug 24 22:56 pub/PC/simtel-20/hamradio/geosat.arc
sol.deakin.oz.au:    14080 Jul 21 11:02 pub/PC/simtel-20/hamradio/geosat.bqs
sol.deakin.oz.au:     3072 Jul 21 11:02 pub/PC/simtel-20/hamradio/hamhelp.bqs
sol.deakin.oz.au:    95745 Aug 24 22:57 pub/PC/simtel-20/hamradio/hampac5.arc
sol.deakin.oz.au:     9014 Jul 21 12:41 pub/PC/simtel-20/hamradio/icom.c
sol.deakin.oz.au:    11902 Aug 24 22:57 pub/PC/simtel-20/hamradio/intmod60.arc
sol.deakin.oz.au:   156061 Jul 21 08:17 pub/PC/simtel-20/hamradio/kam401.arc
sol.deakin.oz.au:   104668 Jul 21 12:42 pub/PC/simtel-20/hamradio/logbook.arc
sol.deakin.oz.au:    13061 Aug 24 22:58 pub/PC/simtel-20/hamradio/machine.arc
sol.deakin.oz.au:     4881 Jul 21 11:02 pub/PC/simtel-20/hamradio/micromuf.bas
sol.deakin.oz.au:     7695 Jul 21 11:02 pub/PC/simtel-20/hamradio/micromuf.pas
sol.deakin.oz.au:   158720 Jul 21 12:44 pub/PC/simtel-20/hamradio/mininec3.arc
sol.deakin.oz.au:     6317 Aug 24 22:58 pub/PC/simtel-20/hamradio/mininec3.inf
sol.deakin.oz.au:   143738 Jul 21 12:45 pub/PC/simtel-20/hamradio/minprop2.arc
sol.deakin.oz.au:     6656 Jul 21 11:03 pub/PC/simtel-20/hamradio/monoband.bqs
sol.deakin.oz.au:     5661 Aug 24 22:58 pub/PC/simtel-20/hamradio/morse.bas
sol.deakin.oz.au:     3712 Jul 21 11:03 pub/PC/simtel-20/hamradio/morse.bqs
sol.deakin.oz.au:    64262 Jul 25 03:55 pub/PC/simtel-20/hamradio/morse26b.arc
sol.deakin.oz.au:     7179 Aug 24 22:58 pub/PC/simtel-20/hamradio/morsetst.bas
sol.deakin.oz.au:    29938 Aug 24 22:58 pub/PC/simtel-20/hamradio/nara.arc
sol.deakin.oz.au:    95588 Sep  4 12:02 pub/PC/simtel-20/hamradio/nov_test.zip
sol.deakin.oz.au:    50049 Aug 24 22:59 pub/PC/simtel-20/hamradio/novice25.arc
sol.deakin.oz.au:    22190 Jul 25 03:56 pub/PC/simtel-20/hamradio/nprm9055.arc
sol.deakin.oz.au:   133201 Aug 24 23:00 pub/PC/simtel-20/hamradio/nts12.arc
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sol.deakin.oz.au:    36852 Aug 24 23:00 pub/PC/simtel-20/hamradio/orbit23.arc
sol.deakin.oz.au:    75540 Aug 24 23:01 pub/PC/simtel-20/hamradio/part97.arc
sol.deakin.oz.au:   117004 Aug 24 23:02 pub/PC/simtel-20/hamradio/rfs.arc
sol.deakin.oz.au:   144799 Aug 24 23:03 pub/PC/simtel-20/hamradio/rftools.arc
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sol.deakin.oz.au:   126651 Aug 24 23:04 pub/PC/simtel-20/hamradio/rtty12g.arc
sol.deakin.oz.au:     5642 Aug 24 23:04 pub/PC/simtel-20/hamradio/satelite.bas
sol.deakin.oz.au:     1860 Aug 24 23:04 pub/PC/simtel-20/hamradio/sattaim.arc
sol.deakin.oz.au:   128482 Aug  1 21:28 pub/PC/simtel-20/hamradio/sm309.arc
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sol.deakin.oz.au:    17670 Aug 24 23:07 pub/PC/simtel-20/hamradio/usat90.zip
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sol.deakin.oz.au:    30943 Aug 24 23:07 pub/PC/simtel-20/hamradio/wheritis.arc
sol.deakin.oz.au:    98944 Aug 24 23:08 pub/PC/simtel-20/hamradio/wxrdr22.arc
sumex-aim.stanford.edu:    16440 Apr 30  1989 info-mac/misc/macs-and-ham-radio.txt
sumex.stanford.edu:    16440 Apr 30  1989 info-mac/misc/macs-and-ham-radio.txt
suned.zoo.cs.yale.edu:      289 Aug 10  1989 InterViews/src/InterViews/Bitmaps/
radio.bm
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radioChosen.bm
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radioHit.bm
suned.zoo.cs.yale.edu:      284 Aug 10  1989 InterViews/src/InterViews/Bitmaps/
radioMask.bm
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radio.txt
suntan.tandem.com:     5115 Jan 16  1990 hamradio/IP-addr.assigners
suntan.tandem.com:   232097 Aug 29 07:51 hamradio/dc14h.arc
suntan.tandem.com:    21309 Mar  4  1990 hamradio/drsi0304.arc
suntan.tandem.com:   166625 Apr 26  1990 hamradio/image_program.sit.hqx
suntan.tandem.com:    71528 Apr 20  1990 hamradio/mbb34src.zip
suntan.tandem.com:    14340 Dec 18  1989 hamradio/pclana.arc
suntan.tandem.com:    23528 Jun 17 18:47 hamradio/pkunzip.exe
suntan.tandem.com:   149504 Apr 11  1990 hamradio/pkz110.exe
suntan.tandem.com:    13312 Sep  6 11:06 hamradio/radio.lib
suntan.tandem.com:   128482 Aug 22 12:29 hamradio/sm309.arc
suntan.tandem.com:   128483 Oct 25 20:43 hamradio/us10.arc
suntan.tandem.com:   158665 Jan 29  1990 hamradio/usat-tlm.arc
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tandem.com:   149504 Apr 11  1990 hamradio/pkz110.exe
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ucsd.edu:    76005 Jul 12  1988 hamradio/88-121.arc
ucsd.edu:    55719 Feb 28  1989 hamradio/AMPR.ORG.890228
ucsd.edu:     8541 Nov 29  1989 hamradio/DSY-ROM
ucsd.edu:      788 Feb 25  1988 hamradio/FCC
ucsd.edu:    17903 Jun 28 04:16 hamradio/KISS
ucsd.edu:    34905 Oct 26  1988 hamradio/a802.txt
ucsd.edu:    16203 Dec  5  1988 hamradio/a802.txt.Z
ucsd.edu:    20992 Jul 26  1988 hamradio/alpha.arc
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ucsd.edu:   166714 Oct 31 13:03 hamradio/ampr.org.rev
ucsd.edu:    99365 Oct 31 13:04 hamradio/amprhosts
ucsd.edu:   114688 Dec  5  1988 hamradio/arrl.tar
ucsd.edu:    92901 Dec  5  1988 hamradio/arrl.tar.Z
ucsd.edu:    70954 Sep  1  1988 hamradio/ax25.tar.Z
ucsd.edu:    40833 Sep 12  1988 hamradio/ax25bbs.cpio.Z
ucsd.edu:    15677 Mar 14  1990 hamradio/bcast.zip
ucsd.edu:    25334 Jul 29  1988 hamradio/bmsrc_st.arc
ucsd.edu:    52375 Jun  2  1989 hamradio/bpq313.com
ucsd.edu:    92134 Dec  5  1988 hamradio/drivers.arc
ucsd.edu:    16896 Aug 10  1988 hamradio/dsp/adpcmnon.arc
ucsd.edu:    60325 Aug 10  1988 hamradio/dsp/asms.arc
ucsd.edu:    18103 Aug 10  1988 hamradio/dsp/bel202.asm
ucsd.edu:   134144 Aug 10  1988 hamradio/dsp/bell212.arc
ucsd.edu:    89584 Aug 10  1988 hamradio/dsp/bin.arc
ucsd.edu:    31679 Aug 10  1988 hamradio/dsp/dataio.arc
ucsd.edu:   141805 Aug 10  1988 hamradio/dsp/del-spry.arc
ucsd.edu:   127969 Aug 10  1988 hamradio/dsp/dsp0.arc
ucsd.edu:    13326 Aug 10  1988 hamradio/dsp/dspnotes.arc
ucsd.edu:    72201 Aug 10  1988 hamradio/dsp/dspscope.arc
ucsd.edu:    63967 Aug 10  1988 hamradio/dsp/emul_320.arc
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ucsd.edu:    42835 Aug 10  1988 hamradio/dsp/fir.arc
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ucsd.edu:   209068 Aug 10  1988 hamradio/dsp/mac320.arc
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ucsd.edu:    25857 Aug 10  1988 hamradio/dsp/piii.asm
ucsd.edu:    83786 Aug 10  1988 hamradio/dsp/scopetst.arc
ucsd.edu:    13540 Aug 10  1988 hamradio/dsp/software.inf
ucsd.edu:    33793 Aug 10  1988 hamradio/dsp/tfft.arc
ucsd.edu:   116785 Aug 10  1988 hamradio/dsp/w5sxd.arc
ucsd.edu:    41110 Aug 10  1988 hamradio/dsp/wefax.arc
ucsd.edu:   239510 Jun 25 02:01 hamradio/fielday.exe
ucsd.edu:    29959 Jul 27  1988 hamradio/karn/NI5210
ucsd.edu:    89498 Oct 12  1988 hamradio/karn/TUTORIAL.DOC
ucsd.edu:   198335 Oct 12  1988 hamradio/karn/USERMAN.DOC
ucsd.edu:   171235 Oct 12  1988 hamradio/karn/finger.arc
ucsd.edu:     7385 Mar  2  1988 hamradio/karn/nelson.arc
ucsd.edu:   108322 Apr 18  1988 hamradio/karn/net_amig.arc
ucsd.edu:   163453 Apr 18  1988 hamradio/karn/net_amiga.uu
ucsd.edu:    37772 Apr 19  1988 hamradio/karn/net_bm.arc
ucsd.edu:    26249 Apr 18  1988 hamradio/karn/net_des.arc
ucsd.edu:   143194 Apr 18  1988 hamradio/karn/net_doc.arc
ucsd.edu:   115955 Jun 13  1988 hamradio/karn/net_ew.arc
ucsd.edu:   223461 Apr 18  1988 hamradio/karn/net_mac.hqx
ucsd.edu:   142297 Oct 12  1988 hamradio/karn/net_pc.arc
ucsd.edu:     2443 Mar  2  1988 hamradio/karn/net_read.me
ucsd.edu:   318378 Oct 12  1988 hamradio/karn/net_src.arc
ucsd.edu:   343796 Oct 12  1988 hamradio/karn/net_srcT.arc
ucsd.edu:    56320 Apr 18  1988 hamradio/karn/netam_src.arc
ucsd.edu:   169266 Oct 12  1988 hamradio/karn/nrnet.arc
ucsd.edu:   168586 Oct 17  1988 hamradio/karn/nrnet_new.arc
ucsd.edu:    71680 Mar  2  1988 hamradio/karn/pkx35a35.exe
ucsd.edu:    46952 Mar  2  1988 hamradio/karn/pxx107.arc
ucsd.edu:     3363 Jun 13  1988 hamradio/karn/readme.ew
ucsd.edu:    49453 Jun 13  1988 hamradio/karn/rspf2.doc
ucsd.edu:    40448 Jun 13  1988 hamradio/karn/server16.arc
ucsd.edu:    19468 Apr 19  1988 hamradio/karn/tnc1.hex
ucsd.edu:    57076 Mar  2  1988 hamradio/karn/tnc_ash.arc
ucsd.edu:    15790 Mar  2  1988 hamradio/karn/tnc_ldr.arc
ucsd.edu:    52127 Mar  2  1988 hamradio/karn/tnc_tnc1.arc
ucsd.edu:    49542 Mar  2  1988 hamradio/karn/tnc_tnc2.arc
ucsd.edu:    15384 Sep 12  1988 hamradio/net.tn.cpio.Z
ucsd.edu:     8773 May 17  1989 hamradio/net_890421.1/README
ucsd.edu:    39420 May 17  1989 hamradio/net_890421.1/bm_src.arc
ucsd.edu:    85066 May 17  1989 hamradio/net_890421.1/drivers.arc
ucsd.edu:   171989 May 17  1989 hamradio/net_890421.1/net_pc.arc
ucsd.edu:   511664 May 17  1989 hamradio/net_890421.1/net_src.arc
ucsd.edu:    53998 May 17  1989 hamradio/net_890421.1/tnc_ash.arc
ucsd.edu:    15790 May 17  1989 hamradio/net_890421.1/tnc_ldr.arc
ucsd.edu:    34710 May 17  1989 hamradio/net_890421.1/tnc_tnc1.arc
ucsd.edu:    49664 May 17  1989 hamradio/net_890421.1/tnc_tnc2.arc
ucsd.edu:   148547 May 17  1989 hamradio/net_890421.1/userman.arc
ucsd.edu:    51047 May 17  1989 hamradio/net_890421.1/xobbs.arc
ucsd.edu:   176384 Jul 29  1988 hamradio/net_st.arc
ucsd.edu:   250965 Aug 19  1988 hamradio/net_st_src.arc
ucsd.edu:   138526 Jul 15  1988 hamradio/netst.arc
ucsd.edu:   405578 Dec  5  1988 hamradio/nos.arc
ucsd.edu:   169332 Dec  5  1988 hamradio/nrnet.arc
ucsd.edu:    92981 Jun 18 02:42 hamradio/sm213.zip
ucsd.edu:   128482 Aug 22 19:31 hamradio/sm309.arc
ucsd.edu:     6498 May 12  1988 hamradio/thenet/thenet.flame
ucsd.edu:     4005 May 11  1988 hamradio/thenet/thenet.info
ucsd.edu:     3692 May  2  1988 hamradio/thenet/thenet.par
ucsd.edu:   579556 Feb 23  1990 hamradio/weberpic.tar.Z
utsun.s.u-tokyo.ac.jp:    16440 Oct  9  1989 Mac/info-mac/misc/macs-and-ham-
radio.txt
uwasa.fi:    13436 Dec 22 08:15 pc/ts/radio11.arc
ux1.cso.uiuc.edu:     1677 Nov 25  1989 uiuc/src/X11R4/contrib/clients/winterp/
examples/radiobox1.lsp
ux1.cso.uiuc.edu:     2318 Nov 25  1989 uiuc/src/X11R4/contrib/clients/winterp/
examples/radiobox2.lsp
ux1.cso.uiuc.edu:      289 Aug 10  1989 uiuc/src/X11R4/contrib/toolkits/
InterViews/src/InterViews/Bitmaps/radio.bm
ux1.cso.uiuc.edu:      284 Aug 10  1989 uiuc/src/X11R4/contrib/toolkits/
InterViews/src/InterViews/Bitmaps/radioBoth.bm
ux1.cso.uiuc.edu:      294 Aug 10  1989 uiuc/src/X11R4/contrib/toolkits/
InterViews/src/InterViews/Bitmaps/radioChosen.bm
ux1.cso.uiuc.edu:      279 Aug 10  1989 uiuc/src/X11R4/contrib/toolkits/
InterViews/src/InterViews/Bitmaps/radioHit.bm
ux1.cso.uiuc.edu:      284 Aug 10  1989 uiuc/src/X11R4/contrib/toolkits/
InterViews/src/InterViews/Bitmaps/radioMask.bm
ux1.cso.uiuc.edu:     5272 Nov 29  1989 uiuc/src/X11R4/contrib/toolkits/suit/
widgets/suit/St/StRadioSw.h
ux1.cso.uiuc.edu:     3697 Nov 29  1989 uiuc/src/X11R4/contrib/toolkits/suit/
widgets/suit/St/StRadioSwP.h
ux1.cso.uiuc.edu:    11144 Nov 29  1989 uiuc/src/X11R4/contrib/toolkits/suit/
widgets/suit/lib/StRadioSw.c
ux1.cso.uiuc.edu:     3146 Nov 29  1989 uiuc/src/X11R4/contrib/toolkits/suit/
widgets/suit/lib/StRadioSwI.h
vega.hut.fi:    18817 Feb 15  1990 pub/pc/hamradio/gc103.lzh
vega.hut.fi:    10423 Aug  8 12:49 pub/pc/tsutil/radio11.lzh
watserv1.waterloo.edu:      329 Aug 20  1988 XV11R3/CONTRIB1/contrib/widgets/Xsw/
X11/bitmaps/highlight_radio_button
watserv1.waterloo.edu:      350 Aug 20  1988 XV11R3/CONTRIB1/contrib/widgets/Xsw/
X11/bitmaps/highlight_select_radio_button
watserv1.waterloo.edu:      299 Aug 20  1988 XV11R3/CONTRIB1/contrib/widgets/Xsw/
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X11/bitmaps/radio_button
watserv1.waterloo.edu:      320 Aug 20  1988 XV11R3/CONTRIB1/contrib/widgets/Xsw/
X11/bitmaps/select_radio_button
watserv1.waterloo.edu:    23383 Aug 31  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/doc/man3/XrRadioButt.3x*
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_free/script1
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_free/script2
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_free/script3
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_free/script4
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
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watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_getitemcount/script2
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Xr11/testsuite/Editordir/scripts/radiobutton/m_getitemcount/script4
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
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watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_getitemrects/script2
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_getitemrects/script3
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_getitemrects/script4
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_getitemstate/script1
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_getitemstate/script2
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_getitemstate/script3
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_getitemstate/script4
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_insensitive/script1
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_insensitive/script2
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_insensitive/script3
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watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_invisible/script3
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_invisible/script4
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watserv1.waterloo.edu:      585 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_move/script1
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Xr11/testsuite/Editordir/scripts/radiobutton/m_move/script2
watserv1.waterloo.edu:      585 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_move/script3
watserv1.waterloo.edu:      585 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_move/script4
watserv1.waterloo.edu:      450 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_new/script1
watserv1.waterloo.edu:      450 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_new/script2
watserv1.waterloo.edu:      450 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_new/script3
watserv1.waterloo.edu:      450 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_new/script4
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_redraw/script1
watserv1.waterloo.edu:      495 Jun 29  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_redraw/script2
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_redraw/script3
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_redraw/script4
watserv1.waterloo.edu:      540 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_redrawactive/script1
watserv1.waterloo.edu:      540 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_redrawactive/script2
watserv1.waterloo.edu:      540 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_redrawactive/script3
watserv1.waterloo.edu:      540 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_redrawactive/script4
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watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_redrawall/script2
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watserv1.waterloo.edu:      675 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
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Xr11/testsuite/Editordir/scripts/radiobutton/m_resize/script2
watserv1.waterloo.edu:      675 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_resize/script3
watserv1.waterloo.edu:      675 Jul 23  1988 XV11R3/CONTRIB2/contrib/toolkits/
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watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
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watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_sensitive/script2
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
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watserv1.waterloo.edu:      990 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_setitemstate/script2
watserv1.waterloo.edu:      765 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
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watserv1.waterloo.edu:      990 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_setitemstate/script4
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_size/script1
watserv1.waterloo.edu:      495 Jun 29  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_size/script2
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_size/script3
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
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Xr11/testsuite/Editordir/scripts/radiobutton/m_sys/script3
watserv1.waterloo.edu:      450 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_sys/script4
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Xr11/testsuite/Editordir/scripts/radiobutton/m_visible/script2
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_visible/script3
watserv1.waterloo.edu:      495 Feb 19  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts/radiobutton/m_visible/script4
watserv1.waterloo.edu:      450 Jun  2  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts16/radiobutton/m_new/script1
watserv1.waterloo.edu:      450 Jun  2  1988 XV11R3/CONTRIB2/contrib/toolkits/
Xr11/testsuite/Editordir/scripts16/radiobutton/m_new/script2
wuarchive.wustl.edu:    16440 Jun  2  1989 mirrors/info-mac/misc/macs-and-ham-
radio.txt
wuarchive.wustl.edu:     6233 Mar 12  1990 mirrors/misc/hamradio/10mbeacon.lst
wuarchive.wustl.edu:    13811 Nov 24  1988 mirrors/misc/hamradio/200xltbt.fix
wuarchive.wustl.edu:      123 Jan 24  1989 mirrors/misc/hamradio/aaaread.me
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wuarchive.wustl.edu:     2227 Oct 14  1988 mirrors/misc/hamradio/antennas.bas
wuarchive.wustl.edu:     6106 Dec 22  1988 mirrors/misc/hamradio/buternut.tip
wuarchive.wustl.edu:    18991 Jan 13  1989 mirrors/misc/hamradio/callbook.c
wuarchive.wustl.edu:     1418 Dec 21  1988 mirrors/misc/hamradio/cell.c
wuarchive.wustl.edu:    14643 Nov 16  1985 mirrors/misc/hamradio/cellular.sieve
wuarchive.wustl.edu:     1999 Sep 24  1988 mirrors/misc/hamradio/chart.c
wuarchive.wustl.edu:     7287 Aug  2  1987 mirrors/misc/hamradio/codetest.hints
wuarchive.wustl.edu:    15707 Apr  9  1988 mirrors/misc/hamradio/computer.icom
wuarchive.wustl.edu:     1805 Jul  4  1987 mirrors/misc/hamradio/discone.antennas
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wuarchive.wustl.edu:    62601 Mar  2  1990 mirrors/misc/hamradio/ecpa.txt
wuarchive.wustl.edu:     2176 Jul  1  1987 mirrors/misc/hamradio/eletrans.c
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wuarchive.wustl.edu:     2424 Jun  5  1985 mirrors/misc/hamradio/ic02a.mod
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wuarchive.wustl.edu:     9842 Sep 29  1989 mirrors/misc/hamradio/icom-110.c
wuarchive.wustl.edu:     7443 Feb 23  1989 mirrors/misc/hamradio/icomci-v.cmds
wuarchive.wustl.edu:     6640 Sep 12  1984 mirrors/misc/hamradio/kenwd930.mod
wuarchive.wustl.edu:     4458 Jul  4  1987 mirrors/misc/hamradio/mobile.antennas
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wuarchive.wustl.edu:     5066 Feb 18  1985 mirrors/misc/hamradio/ts430s.review
wuarchive.wustl.edu:     9986 Jul 22  1988 mirrors/misc/hamradio/ts440s.interface
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wuarchive.wustl.edu:    11902 Aug 29  1988 mirrors/msdos/hamradio/intmod60.arc
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wuarchive.wustl.edu:     7695 Oct  5  1986 mirrors/msdos/hamradio/micromuf.pas
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wuarchive.wustl.edu:   110775 Aug 19 19:00 mirrors/msdos/hamradio/sm315.zip
wuarchive.wustl.edu:    46525 Feb 11  1988 mirrors/msdos/hamradio/tec2.arc
wuarchive.wustl.edu:   203361 Apr  1  1990 mirrors/msdos/hamradio/traksat.zip
wuarchive.wustl.edu:    36600 Aug 11  1988 mirrors/msdos/hamradio/tty37.arc
wuarchive.wustl.edu:    17670 Apr  6  1990 mirrors/msdos/hamradio/usat90.zip
wuarchive.wustl.edu:    26774 Jan 13  1990 mirrors/msdos/hamradio/vefc24.arc
wuarchive.wustl.edu:    35968 Sep  6  1987 mirrors/msdos/hamradio/wefax.arc
wuarchive.wustl.edu:    15826 Sep 16  1987 mirrors/msdos/hamradio/whatson.arc
wuarchive.wustl.edu:    30943 Dec  5  1987 mirrors/msdos/hamradio/wheritis.arc
wuarchive.wustl.edu:    98944 Feb 25  1988 mirrors/msdos/hamradio/wxrdr22.arc
zaphod.ncsa.uiuc.edu:   212005 Aug 13 07:20 pub/salzman/radiosity.ps.Z
zaphod.ncsa.uiuc.edu:   292506 Aug 13 07:17 pub/salzman/radiosity.ps.Z.uu
```

--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 1063896306868039180

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aeb1ad0f1024e891
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 12:50:09 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!STAR.TAMU.EDU!JWJ2047
From: JWJ2047@STAR.TAMU.EDU (N5PYK)
Newsgroups: rec.ham-radio
Subject: Another look at Radar Detector Legality for Hams
Message-ID: <901125190431.20417607@STAR.TAMU.EDU>
Date: 26 Nov 90 01:04:31 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 23
Posted: Mon Nov 26 02:04:31 1990

Ponder this folks.
We (amateur radio folk) have allocated bands from 10.0 Ghz to 10.5 GHz
and from 24.00 to 24.25 Ghz.
Additional note
Radar detector bandwidth is generally somewhere in the 100 Mhz range
ok
now we put 2 and 2 together
Since the allocation for X Band (10Ghz) falls within the 100 Mhz bandwidth
centered on 10.525 Ghz for police radar
and the K band allocation is right in the middle of our band
incidently this K band freq is 24.15 Ghz
Who is to say that the radar detectors, which can easily be a reception device
for cw are illegal for amateurs to use in any state?

You might comment to me if you have some other ideas about it.

Joe Jurecka
Call
N5PYK
PACKET: N5PYK@W5AC.TX.USA.NA
INTERNET: JWJ2047@VENUS.TAMU.EDU
BITNET: JWJ2047@TAMVENUS
COLLEGE: TEXAS A&M UNIVERSITY   WHOOOOOOP!

From 6944962599657138134
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49f15bc6804570db,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 12:51:46 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!SWTEXAS.BITNET!BA01
From: BA01@SWTEXAS.BITNET
Newsgroups: rec.ham-radio
Subject: Re: more on the WAZ award (or rec.ham.legal discussion)
Message-ID: <9011252350.AA12525@ucsd.edu>
Date: 25 Nov 90 22:49:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet

Lines: 37
Posted: Sun Nov 25 23:49:00 1990

Phil Blais, network.ucsd.edu!dcdwest!plb@ucsd.edu, writes

>Come on people, variety is the spice of life as they say, if you don't
>like a certain topic theres always the 'n' key, rn macros, kill files
>etc. etc. I for one don't believe there is any need to further fragment
>this news group. Of course I like hot and spicy Mexican food also and
>I realize there are lots of people who don't get much past milk and
>cookies :-)

My 2 cents:

I like spicy Mexican food as much or more than the next person. But
if you eat it all the time, it becomes as dull as anything else -- which
rec.ham.endless-cw-debate certainly has.

As regards skipping the continuous flamage: IMHO, it would be
helpful if flames were more frequently designated as such (which was a
convention I first read about in the BITNET literature when I started using
the net). Maybe I've just missed it, but I haven't seen this used often.
If the conference is kept as is -- and I can understand the reasons for
doing so -- dealing with frequent flamage might be bearable if more folks
did this.

Thanks.

73's, Bernie N5PQY

ba01@swtexas.bitnet
ba01%swtexas.bitnet@ricevm1.rice.edu

```
Bernie Asher                       "Happiness is having a big, warm, caring,
Administrative Data Processing      close-knit family...in another city."
Southwest Texas State University                             - George Burns
San Marcos, Texas  78666
512-245-2271
```

The views expressed by me are not necessarily those of my employer.

From -6276219925026227821
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6c8fa66d3472e80a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 12:54:09 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!STAR.TAMU.EDU!JWJ2047
From: JWJ2047@STAR.TAMU.EDU (N5PYK)
Newsgroups: rec.ham-radio
Subject: **   REMINDER ON SPECIAL EVENTS STATION **
Message-ID: <901125192201.20417607@STAR.TAMU.EDU>
Date: 26 Nov 90 01:22:01 GMT

```
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 28
Posted: Mon Nov 26 02:22:01 1990

HOWDY!

This is just a reminder that the Texas A&M University ARC will be running
a special events station during the afternoon and early evening of
November 29, 1990--That's right, this Thursday.
It will be commemorating the 80th burning of the Fightin' Texas Aggie
Bonfire.  Look for us in the Novice/tech portion of the 10m band or on
the 146.82  pl 88.5 repeater here in College Station.
We will also allow skeds to be made up until about 5-6pm on the following bands:
80m, 40m, 30m, 20m, 17m, 15m, 12.5m, 10m, 6m, 2m, 70cm
By next year, we should be able to conduct station with 160m and 3cm also.

A certificate shall be awarded to each station that a contact is made with
via a SASE.  Listen to CQ Bonfire for qsl information and envelope size info.
The call used will be the Texas A&M ARC call--W5AC

If you need more info or would like to set up a non 10m sked, please contact
us in one of the following ways.

Thanks
73

Joe Jurecka (Treas  TAMUARC)
Internet:  JWJ2047@VENUS.TAMU.EDU
BITNET  :  JWJ2047@TAMVENUS
PACKET   W5AC-5@W5AC.TX.USA.NA
PHONE   : 409-845-7245   IF NO ANSWER, LEAVE MESSAGE.
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=


From 2695762292791350332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6bc2a9f24a008535,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6bc2a9f24a008535,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-11-26 12:55:50 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!snorkelwacker.mit.edu!
apple!usc!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!purdue!haven!decuac!
bacchus.pa.dec.com!news.crl.dec.com!shlump.nac.dec.com!gldoa.enet.dec.com!alexsy
From: alexsy@gldoa.enet.dec.com (Steven Alexsy)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Glen Hauser to move to WWCR!  (Listening Tip)
Message-ID: <17583@shlump.nac.dec.com>
Date: 26 Nov 90 02:10:17 GMT
Sender: newsdaemon@shlump.nac.dec.com
Followup-To: rec.radio.shortwave
Organization: John R. School of Music
```

```
Lines: 31
Xref: gmdzi rec.radio.shortwave:2855 rec.ham-radio:17157
Posted: Mon Nov 26 03:10:17 1990

Gary Bourgois writes...
>Popular Monitoring Times Columnist and host of WORLD OF RADIO, Glen
>Hauser will be heard on WWCR, The powerhouse international broadcaster,
>beginning Sunday 25 November 1990.  His broadcasts will then be aired
>regularly thereafter.  Convieniently scheduled for 8:30pm Eastern
>Standard Time (0130UTC while the USA is on Standard Time), and blasted
>out with a few MILLION watts of ERP on 7520 KHZ, Glen will be heard for
>the first time reliably in Europe.
>
>You might be aware that Glen's WORLD OF RADIO has aired for many years
>over WRNO, the one time powerhouse gone flea power.  With the WRNO
>signal now more of a JOKE than a broadcast service, Hauser has made the
>right move.

Maybe.  I didn't read this posting until 0210 UTC Monday.  At my QTH WRNO
was putting in a fine signal (4 out of 5) while WWCR was buried underneath
some terrible interference--the nature of which I could not determine.
The QRM was so terrible I couldn't make out anything being said. This
was true on both the FRG-8800 hooked up to the outdoor antenna and the
ICF 2010 on the telescoping antenna.

Did anybody else hear this?

Does this mean Hauser will no longer be heard on WRNO where his show aired
a number of times a week? (My favorite daily double IS on Thursday night
local time where his program aired on WRNO at 0130 UTC Friday immediately after
Radio Nederland's Media Network.)

 /s/                                "A pioneer is a guy with an arrow in his
                                     back and his face in the mud."
Dearborn, Michigan                   J. Willard Marriott, Sr.


From 9054409981268275098
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e07e99f4e7c25d77,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 13:07:07 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!usc!samsung!
munnari.oz.au!csc.anu.oz.au!csc3.anu.oz.au!ccadfa!csadfa!pgc
From: pgc@csadfa.cs.adfa.oz.au (Phil Clark)
Newsgroups: rec.ham-radio
Subject: Re: ICOM Batteries (memory)
Summary: Batteries and the IC735
Message-ID: <2088@ccadfa.adfa.oz.au>
Date: 26 Nov 90 00:55:47 GMT
Sender: news@ccadfa.adfa.oz.au
Lines: 17
Posted: Mon Nov 26 01:55:47 1990
```

I have been following the discussion of the story of batteries and Icom gear with interest.

Does anyone know if the ICOM IC735 needs reporogramming if the battery dies?

My manual does not mention anything about this, it only says to replace it if the display goes crazy.

Please email replies to me. Thanks in advance.

Phil Clark	Department of Computer Science,	Phone:
(VK1PC)	Australian Defence Force Academy,	+61 6 268 8157
Email:	Northcott Drive, Campbell,	Fax:
pgc@csadfa.cs.adfa.oz.au	Canberra, Australia, 2600.	+61 6 268 8581

From -7166334833456421607
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,465ae139725fe501,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 13:09:42 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: MONTHLY SOLAR TERRESTRIAL REVIEW
Message-ID: <901125185006.20403291@HG.ULeth.CA>
Date: 26 Nov 90 01:50:06 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 221
Posted: Mon Nov 26 02:50:06 1990

--- MONTHLY SOLAR TERRESTRIAL REVIEW ---

October 1990

Report Issued In-Part from Data Released by the
Space Environment Services Center
Boulder Colorado

MONTHLY ACTIVITY SUMMARY AND SOLAR CYCLE OUTLOOK NOVEMBER 1990 - MAY 1991

We are now in month 50 of solar cycle 22. Averaged activity levels and solar indices were up again in October compared to September, but not nearly enough to affect the prediction that July 1989 was in fact the solar maximum of cycle 22. The largest increase was observed in daily sunspot number and the monthly average was up almost 33 points over September values. The prediction model used for smoothed sunspot number shows that there is still a slight statistical possibility that solar maximum is yet to come. However, for this to be true, the activity and solar indices would have to reach the levels obtained in August 1990 and maintain that level for a number of months. If time proves July to be just a relative peak of activity and not the solar maximum, then the regression model predicts late spring 1991 as the next probably candidate. However, at this time we do not see any indication of the kinds of activity that would be necessary to unseat July 1989 as solar maximum of cycle 22.

Flare activity ranged from low to high during October. There were a total of eleven M-class flares reported during the month. The two largest, an M8/1N Tenflare at 18:06 UT on 20 October and an M3/SF at 06:02 UT on 21 October, originated from Region 6311 which became quite active on 20-21 October, producing three M-class flares before it crossed the limb late on the 21st. There was a very slight proton enhancement at satellite altitudes which began around 09:00 UT on 23 October, reached a maximum of 4 pfu at the >10 MeV range at 14:25 UT on 23 October, and lasted about 36 hours. Although no solar event can be pinpointed as the cause of this proton enhancement, its signature suggests that it originated as an east limb event.

Geomagnetic activity ranged from quiet to minor storm levels at mid latitudes and quiet to severe storm levels at high latitudes. The two most disturbed days were 10-11 October when mid latitudes experienced minor storm conditions and high latitudes experienced one day of severe storm and one day of major storm conditions. Although no individual event can be suggested as responsible for this activity, it is possible that the interplanetary magnetic field was aligned southward, allowing solar wind energy to be passed efficiently to the magnetosphere, in essence, enhancing the effects of earlier solar disturbances.

Radio propagation conditions during the month ranged from very poor levels at high latitudes to very good levels at low latitudes. The most disturbed period occurred in conjunction with the minor geomagnetic storm of 10-11 October. Significant auroral flutter and fading caused poor HF propagation over most paths.

SIX MONTH SOLAR CYCLE OUTLOOK

Prediction models indicate another small increase in the raw solar indices for November, still not enough to affect July 1989 as solar maximum. A drop in December and a leveling off through the first couple of months of the new year are also predicted. No great deviation from the activity levels of the last two months are foreseen at this time.

Radio propagation conditions over the next six months look relatively good. No significant changes in overall conditions are expected, excluding the normal seasonal variations. Approximately one minor to major geomagnetic storm can be expected every month or two. Therefore, between 3 to 5 significant periods of degraded propagation conditions should be anticipated over the next six months, provided current models are accurate in predicting pulses of solar activity and recurrent phenomena.

The occurrence of SIDs/SWFs should persist throughout the next six months. Present solar models suggest that December through January will likely be the least productive months in terms of solar flare and SID/SWF activity. Also, a decline in MUF is anticipated for December and the first part of the new year, coinciding with decreased levels of ionospheric ionization.

VHF propagation should remain mostly normal throughout the next six months, with decreased probabilities of DX contacts in December and January. Reduced MUF will also make DX openings on 50 MHz somewhat unlikely during these months of expected decreased solar activity. Although reduced MUF's are anticipated, there remains a moderate probability for some potential auroral backscatter communications on VHF bands during periods of minor to major geomagnetic and auroral storming. Middle and high latitudes will benefit the most during these periods.

RECENT SOLAR INDICES (PRELIMINARY) OF THE OBSERVED MONTHLY MEAN VALUES

Updated for October, 1990

	Sunspot Numbers					Radio Flux		Geomagnetic	
	Observed		Ratio	Smooth Values		Ottawa	Smooth		Smooth
	SESC	RI	RI/SESC	SESC	RI	10 cm	Value	Ap	Value
				YEAR = 1988					
Nov:	153.8	125.1	.82	168.3	130.2	156.2	177.5	12	16.1
Dec:	229.5	179.2	.78	180.1	137.4	199.8	184.8	13	16.5
				YEAR = 1989					
Jan:	203.2	161.6	.80	189.2	141.9	235.4	190.2	19	16.7
Feb:	211.0	164.5	.78	196.0	144.7	222.4	194.0	15	17.0
Mar:	176.8	131.0	.74	204.1	149.4	205.1	199.7	41	17.6
Apr:	172.3	129.3	.75	209.9	153.1	189.6	204.4	23	18.2
May:	207.0	138.4	.67	216.4	156.5	190.1	209.3	16	18.8
Jun:	297.3	196.0	.66	220.1	157.9	239.6	213.1	17	19.2
Jul:	193.9	126.8	.65	221.1	158.1	181.9	212.6	8	19.1
Aug:	243.0	166.8	.69	221.5	157.4	217.1	209.7	20	19.3
Sep:	240.7	176.8	.74	221.3	156.3	225.9	207.2	17	18.8
Oct:	217.4	158.5	.73	223.2	157.1	208.7	206.3	21	18.3
Nov:	255.0	173.0	.68	223.4	157.3	235.1	206.1	19	18.4
Dec:	217.8	166.1	.76	217.3	153.3	213.0	203.3	16	18.4
				YEAR = 1990					
Jan:	239.3	179.4	.75	212.4	150.3	210.1	200.4	14	18.6
Feb:	184.7	128.4	.71	213.9	152.5*	178.3	200.5*	23	18.8
Mar:	198.6	140.8	.71	212.7	151.7*	188.8	198.6*	23	18.6

Apr:	196.1	139.8	.71	210.5	149.0*	185.3	195.3*	27	18.2*
May:	187.7	132.0	.70			189.7		16	
Jun:	168.9	105.2	.62			170.9		16	
Jul:	204.3	147.0	.72			180.7		14	
Aug:	269.4	199.9*	.74*			221.6*		19	
Sep:	186.4	124.7*	.67*			175.8*		14	
Oct:	219.0	145.2*	.66*			180.6*		14*	

* = Preliminary estimates

The lowest smoothed sunspot number for Cycle 21, RI = 12.3, occurred in September 1986. The preliminary sunspot maximum for this cycle (cycle 22) remains July 1989, with a peak smoothed sunspot number of 158.1.

DAILY SOLAR DATA FOR OCTOBER, 1990.

ENERGITIC EVENT SUMMARY (MINOR AND MAJOR FLARES)

Date	Time (U.T.)			X-Ray	Optical Information			Sweep Freq. Intensity			
	Begin	Max	End	Class	Type	Location	Region	II	III	IV	V
08 Oct	0652	0706	0729	M1.5	Uncorrelated event.						
09 Oct	0853	0911	1028	M1.6	1F	S18E71	6314				
10 Oct	1753	1804	1824	M1.1	SN	S17E60	6314				
11 Oct	0735	0741	0749	M1.0	1N	N09E44	6312				
15 Oct	0129	0135	0147	M2.8	1N	S21E41	6321				
16 Oct	1716	1728	1733	M1.4	Uncorrelated event.						
20 Oct	1753	1806	1812	M8.5	1N	N15W82	6311		1		2
21 Oct	0312	0320	0325	M1.0	SF	N16W92	6311				
	0553	0602	0629	M3.0	SF	N14W89	6311		1+		
	0949	1008	1106	M1.7	SF	N18E23	6327		2		
22 Oct	0611	0641	0740	M2.9	SF	S08W50	6322		1+		

NOTES:

- Xray Flare Classes (weak to strong): C, M, X (with sub-categories rated from 0.0 to 9.9 in each class).

- Optical Flare Classes (weak to strong): S, 1, 2, 3, 4 (with an attached figure identifying brightness: F-Faint, N-Normal, B-Brilliant).

- Locations are given in latitude and longitude as measured from the central solar meridian.

- Sweep Frequency Intensity represents the intensity of detected solar radio frequency bursts (bursts sweep over large frequencies). Type II and IV almost always represent ejection of solar material through the solar corona and into interplanetary space. Intensities are rated from 1 to 3+.

GENERAL DAILY SOLAR STATISTICS

Date	Radio Flux Ottawa 10.7 cm	Sunspot Number	Sunspot Area mil.sq.km.	Flares						
				X-Ray			Optical			
				C	M	X	S	1	2	3
01 Oct	158	169	2,730	3	0	0	12	1	0	0
02 Oct	161	182	3,450	6	0	0	20	2	0	0
03 Oct	177	180	4,710	10	0	0	25	2	0	0
04 Oct	184	208	5,130	8	0	0	16	1	0	0
05 Oct	169	214	3,780	6	0	0	9	1	0	0
06 Oct	169	181	3,270	5	0	0	6	2	0	0
07 Oct	168	208	3,870	12	0	0	10	0	0	0
08 Oct	179	229	4,440	7	1	0	12	1	0	0
09 Oct	182	224	4,380	8	1	0	13	3	0	0
10 Oct	192	216	5,520	5	1	0	18	0	0	0
11 Oct	202	278	6,000	11	1	0	14	1	0	0
12 Oct	200	267	5,550	10	0	0	25	0	0	0
13 Oct	207	297	5,430	8	0	0	20	1	0	0
14 Oct	220	287	5,970	5	0	0	23	2	0	0
15 Oct	232	368	6,300	14	1	0	34	2	0	0
16 Oct	226	361	5,790	4	1	0	25	0	0	0
17 Oct	193	283	6,450	10	0	0	26	2	0	0
18 Oct	195	260	5,730	12	0	0	13	3	1	0
19 Oct	221	257	5,430	8	0	0	25	0	0	0
20 Oct	200	276	4,350	16	1	0	6	2	0	0
21 Oct	187	185	1,980	4	3	0	15	3	1	0
22 Oct	169	221	1,860	4	1	0	13	1	0	0
23 Oct	164	181	1,620	9	0	0	12	2	0	0
24 Oct	157	180	2,070	8	0	0	12	0	0	0
25 Oct	163	183	2,310	10	0	0	20	2	0	0
26 Oct	154	171	2,010	7	0	0	16	2	0	0
27 Oct	164	139	1,680	3	0	0	6	0	0	0
28 Oct	152	158	2,940	2	0	0	10	0	0	0
29 Oct	156	155	3,270	7	0	0	9	0	0	0
30 Oct	154	126	2,910	7	0	0	10	0	0	0
31 Oct	143	109	2,640	5	0	0	10	0	0	0

** End of Report **

From 7356064325385036366
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7ae94026b10ab231,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 13:35:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!

hplabs!hpcc05!hp-ptp!bmp
From: bmp@hp-ptp.HP.COM (Brian Perkin)
Newsgroups: rec.ham-radio
Subject: Re: Request for information on the SARSAT satellites
Message-ID: <2700017@hp-ptp.HP.COM>
Date: 26 Nov 90 21:35:19 GMT
References: <673@kb2ear.UUCP>
Organization: HP Pacific Technology Park - Sunnyvale, Ca.
Lines: 14
Posted: Mon Nov 26 22:35:19 1990

The SARSAT satellites broadcast information received downwards to a ground station, if one is within the footbprint. Most of the processing is done on the ground. The satellites have ability to store (and forward) data burst information from the new 406 Mhz. ELT's.

Since there are several satellites, many ground stations, etc. putting the information together from several satellite passes is done by the ground network rather than a "Master" satellite.

I have technical data at home, I will look up the frequencies. Don't expect to be able to listen with your PRO-2004.

Brian Perkin
Civil Air Patrol

From -7175266502729005543
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c6abcff16c630e5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 13:59:26 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1914@n8emr.UUCP>
Date: 26 Nov 90 21:59:26 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 48
Posted: Mon Nov 26 22:59:26 1990

From n8emr!W8PH Wed Nov 21 20:34:28 1990
Return-Path: <n8emr!W8PH>
Message-Id: <m0ic4wk-0001U3C@n8emr.uucp>
[Date: Wed, 21 Nov 90 19:40 EST
[To: <ALL@ARRL>
R:901122/0023z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:13035 Z:43232
R:901121/2032 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:53081 Z:43103
R:901121/1729 @:WB8JIB.#DAY.OH.USA.NA Yellow Springs #:10547 Z:45387
R:901121/1729 @:W8BI.#DAY.OH.USA.NA Dayton #:21215 Z:45424

ARRL BULLETIN 48 ARLB048
FROM ARRL HEADQUARTERS
NEWINGTON CT NOVEMBER 20, 1990
TL ALL RADIO AMATEURS

BALLOTS HAVE BEEN COUNTED IN THE SECTION MANAGER ELECTIONS FOR
WESTERN PENSYLVANIA, EASTERN MASSACHUSETTS, AND SOUTH CAROLINA.
THEIR TERM OF OFFICE BEGINS JANUARY 1, 1991. THE RESULTS ARE AS
FOLLOWS:

IN THE WESTERN PENNSYLVANIA SECTION
BERNIE FULLER, N3EFN, 465
ROLF PETER, WA6HBN, 277
MR. FULLER WAS DECLARED ELECYED.

IN THE EASTERN MASSACHUSETTS SECTION
MORT COHAN, KA1IU, 565
BARRY PORTER, KB1PA, 548
MR.COHAN WAS DECLARED ELECTED.

IN THE SOUTH CAROLINA SECTION
CHARLES MOELLER, N4FVU, 339
JACK PARKER, K5CVD, 203
MR. MOELLER WAS DECLARED ELECTED.

THREE OTHER SM RACES WERE NOT CONTESTED. THE FOLLOWING WERE
DECLARED ELECTED.

IN THE SOUTHERN NEW JERSEY SECTION
BRUCE EICHMANN, KE2OP

IN THE MISSOURI SECTION
BILL MCGRANNAHAN, K0ORB

IN THE NEBRASKA SECTION
VERN WIRKA, WB0GQM.

From -803465120482851577
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c6abcff16c630e5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-26 13:59:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1915@n8emr.UUCP>
Date: 26 Nov 90 21:59:35 GMT

Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 29
Posted: Mon Nov 26 22:59:35 1990

Return-Path: <n8emr!W8PH>
Message-Id: <m0idYia-0000OcC@n8emr.uucp>
[Date: Sun, 25 Nov 90 21:38 EST
[To: <ALL@ARRL>
R:901126/0107z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:13405 Z:43232
R:901126/0025 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:54239 Z:43103
R:901126/0019 @:WB8JIB.#DAY.OH.USA.NA Yellow Springs #:11032 Z:45387
R:901126/0016 @:NC8Q.#DAY.OH.USA.NA Dayton #:13207 Z:45419

SPECIAL BULLETIN 11 ARLX011
FROM ARRL HEADQUARTERS
NEWINGTON CT NOVEMBER 25, 1990
TO ALL RADIO AMATEURS

STS 35 SAREX LAUNCH IMMINENT.

ACCORDING TO SOURCES AT THE JOHNSON SPACE CENTER, THE STS-35 ASTRO-1 MISSION CARRYING RON PARISE, WA4SIR, AND THE LATEST SHUTTLE AMATEUR RADIO EXPERIMENT, SAREX, IS SCHEDULED FOR LAUNCH DURING THE NIGHT OF DECEMBER 1 AND 2, 1990. THE EXACT LAUNCH TIME WITHIN THE TWO HOUR WINDOW HAD NOT BEEN DECIDED UPON AS THIS BULLETIN WAS BEING PREPARED.

STAY TUNED TO W1AW, AMSAT NETS AND OTHER ANS SOURCES FOR THE LATEST INFORMATION ON THE STS-35 SAREX MISSION.

W1AW THANKS ALL AT AMSAT HQ AND THE AMSAT NEWS SERVICE FOR THIS SCOOP.

From 2519243093289114144
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e5f48e1db4b872f8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 13:16:23 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!aspen32!andyw
From: andyw@aspen32.cray.com (Andy Warner)
Newsgroups: rec.ham-radio
Subject: Prescaler chip info needed
Keywords: prescaler, ecl, help !
Message-ID: <150427.11506@timbuk.cray.com>
Date: 19 Nov 90 21:16:23 GMT
Reply-To: andyw@aspen32.cray.com (Andy Warner)
Organization: Cray Research, Inc.
Lines: 15
Posted: Mon Nov 19 22:16:23 1990

On behalf of myself and Mike, WA0VNH, I'd like to request some info.

We're both looking for info and/or mailorder source(s) for a divide by
10 prescaler chip which will work up to 500MHz. Mike believes the Fairchild
11C90 will do the job, but we don't have a source for it.

If anyone has a better chip suggestion, some technical data, or a mailorder
source for such components - we'd be glad to hear of it.

Thanks in advance.
(I will summarise to the net, if anyone expresses an interest).

--
andyw. (W0/G1XRL)

andyw@aspen.cray.com   Andy Warner, Cray Research, Inc. (612) 683-5835

From -1413302174975404776
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62bfe6a62120edf6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 13:19:21 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!
cunixf.cc.columbia.edu!cunixd.cc.columbia.edu!mig
From: mig@cunixd.cc.columbia.edu (Meir I Green)
Newsgroups: rec.ham-radio
Subject: Re: TH-75A mods for extended UHF
Message-ID: <1990Nov19.211921.13354@cunixf.cc.columbia.edu>
Date: 19 Nov 90 21:19:21 GMT
References: <126904@tiger.oxy.edu>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Organization: Columbia University
Lines: 45
Posted: Mon Nov 19 22:19:21 1990

In article <126904@tiger.oxy.edu> d_reeves@oxy.edu (Bryan Douglas Reeves) writes:
>Q: It is possible/how does one modify the Kenwood TH-75A to recieve
>   beyond 450MHz up to at least 465? Is there a matching Xmit Mod?
>
>Thanks and 73, Doug.
>
>--
>B. Douglas Reeves (N6XHW) D_Reeves@oxy.edu (Internet, of course!)
>147.705/445.450 in So Cal   1600 Campus Rd., La, Ca, 90041 (USnail)
>"Cogito, ergo es."   Occidental College Computer Networking

The answer is *yes*!
The TH-75 is modifyable in both TX and RX for extended frequency coverage on
both 2m and 440. The receive coverage appears to be for the entire bands ie
136-175 and 315-512 (I don't have my radio on hand to say exactly). This
extended RX is obtained by cutting the jumper wire on the control unit.
The extended TX mod requires the removal of a diode. I figured this out from
the schematic and I only know that it works. It may not be the *correct* way.

After any mods, reset the microprocessor (after writing down the info in the memories). I find that the HT seems to go into mad fits of beeping which disappear if I turn it off, then on. This happens only rarely and is probably a defect not a side effect of a mod.
Incidentally, I don't know how well the radio performs at the ends of the respective bands. The PLL appears to have some difficulty locking up there ie: band scan appears to be slowed.

The PLL would probably have to be readjusted for coverage above 455 MHz since the PLL seems to be aligned for the lower portion of the band.

I don't know what use you have for the mods. I did it partly as a curiosity, and partly because the ham band is bigger than the TX/RX capabilities of the HT as sold. I haven't found any FM activity on 420-440 MHz, by the way.

The mods are deducible from the manual. Just look closely at the table of which diodes are in and out for which models.
Feel free to contact me, provided you don't plan to do anthing beyond the law.
(In which case, don't do anything *too* naughty and leave me out of it)

Incidentally, it seems that most HTs are modifyable without much difficulty.
Hope I answered your questions.

```
 * * * * * * *  ======================= Meir Green
* * * * * * * * ======================= mig@cunixd.cc.columbia.edu
 * * * * * * *  ======================= N2JPG
```

From -2735912567030068395
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,875da3846af1da1b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 13:34:55 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: ICOM Batteries (memory)
Keywords: memory dump, scrambled brains
Message-ID: <552@ssc.UUCP>
Date: 19 Nov 90 21:34:55 GMT
Organization: very little
Lines: 32
Posted: Mon Nov 19 22:34:55 1990

There have been several postings on here lately about the battery in some ICOM HF radios that holds memory. Some folks fear that the battery will wear out in a few years, and they sill be stuck with a microprocessor controlled radio with no "brains."

I talked to Bill Everett of ICOM today. He said that the batteries in ICOM radios (I'm NOT talking about the battery that POWERS your HT!)

have a predicted life of over 15 years. If you want to replace yours before it runs out, and are afraid of losing memory, float a power supply across the battery that is set at about the same voltage as the battery. Then remove the battery, and replace it. Keeping voltage on it will keep the memory alive.

If you want ICOM to do it, you can send in your radio, and for $25 they will replace the battery. This includes parts and labor.

If you want to contact Bill Everett at ICOM, his email address is
76702.753@compuserve.com

He has some trouble replying to internet mail though. Listing a couple of variations of domain addresses could help if you want a reply.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -41789360526863249
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98f467f078e5c512,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 13:45:07 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!agate!ucbvax!
huntsai.boeing.com!scott
From: scott@huntsai.boeing.com (Scott Hinckley)
Newsgroups: rec.ham-radio
Subject: CB
Message-ID: <9011192145.AA12069@huntsai.boeing.com>
Date: 19 Nov 90 21:45:07 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Mon Nov 19 22:45:07 1990

Hello hammers,
   (PLESE E-MAIL ANY RESPONSES I DO NOT GET THIS GROUP/LIST, THANKS)
Are any of you out there also into Citizen's Band? If so, what can you tell
me about good (car) brands, what type of antenna to use, how much I sacrafice
going with a coiled 4ft vs a straight (108?)" antenna, how many users are
there really on the roads, etc, etc, etc.
Thanks for your help,
~r ~/.signature
<<<<<<<<<<<<Scott Hinckley<<<<<<<<<<<<>>>>>>>>>>VW&Apple][Forever!!!>>>>>>>>>>
Internet:scott@huntsai.boeing.com|UUCP:..!uunet!uw-beaver!bcsaic!huntsai!scott

DISCLAIMER: All contained herein are my opinions, they do not | (205)461-2073
represent the opinions or feelings of Boeing or its management.| BTN:461-2073

From -5382921160598382708
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3ea01d7a2da5373
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,e0bf5bd4a8130c8d,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,e0bf5bd4a8130c8d,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,e0bf5bd4a8130c8d,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-19 13:46:37 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!mintaka!think.com!sdd.hp.com!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!news.cs.indiana.edu!news.nd.edu!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: Internet-Packet Reply (LONG!)
Message-ID: <552.27484404@w8grt.fidonet.org>
Date: 19 Nov 90 21:46:37 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 23
Xref: gmdzi rec.radio.shortwave:2773 rec.ham-radio.swap:806 rec.ham-radio.packet:3073 rec.ham-radio:17050
Posted: Mon Nov 19 22:46:37 1990

> From: skipsand@crash.cts.com (Skip Sanders)
> Date: 18 Nov 90 23:08:25 GMT
> Organization: Crash TimeSharing, El Cajon, CA
> Message-ID: <5713@crash.cts.com>
> Newsgroups: rec.ham-radio
>
> You do of course realize that linking any internet/usenet group to an
> on-air
> system is illegal, do you not? All such links must have all messages
> which
> are available "on-air" checked and approved by a licenced control
> operator
> ham BEFORE they are available on air.

Piffle! A good EDMEESE type program should catch 99.9% of the possible improper messages. As long as we make a good faith effort to comply, the FCC won't nitpick if an occasional clinker slips through.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -5727266420711626155
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84459ec01b6ab377
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 14:14:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ncar!umigw!rsmas!eakin
From: eakin@rsmas.miami.edu
Newsgroups: rec.ham-radio
Subject: Re: Amtrak odessy coming....
Message-ID: <10878.2748210e@rsmas.miami.edu>
Date: 19 Nov 90 22:14:38 GMT
References: <9011162250.AA01986@ucsd.edu>
Lines: 13
Posted: Mon Nov 19 23:14:38 1990

In article <9011162250.AA01986@ucsd.edu>, PERRYR@WABASH.BITNET (GWYFFD) writes:

> I thought I might get better reception if I used a dipole mounted on the glass.
> Does anyone have any thoughts?

Maybe, but I've had great luck on commuter trains using a twin lead j-pole suction cup mounted to the window.

--
C. Mark Eakin
Internet: Eakin@RSMAS.miami.edu
Amateur Radio: N4SYK   Packet Radio: N4SYK@AB4LU.FL.USA.NA
USnail: Univ. of Miami, RSMAS-BLR, 4600 Rickenbacker Cswy. Miami, FL 33149-1098

From 8675076500846317739
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,63db1177ce4a4be8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 14:14:41 PST
Path: gmdzi!unido!mcsun!uunet!sbi!zeus!pivot-nj!canada!jerrys
From: jerrys@canada.sbi.com (Jerry Simonowits)
Newsgroups: rec.ham-radio
Subject: Re: New World of Radio Source
Summary: any around here ???
Message-ID: <101@canada.sbi.com>
Date: 19 Nov 90 22:14:41 GMT
References: <9011191411.AA00422@ucsd.edu>
Organization: Salomon Brothers - NJ
Lines: 12
Posted: Mon Nov 19 23:14:41 1990

Does anyone now if/when this show (new world of radio) is on the air in the metro new york area. I live in Northern N.J. and get cable.

Jerry Simonowits
Salomon Technology Services, Inc.
Internetworking & Support Group
Phone: 201-896-7330
Email: jerrys@canada.sbi.com
(KB2GCG)

From 5671282053079004778
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,adca5c826e0fe9a2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 15:29:02 PST
Path: gmdzi!unido!mcsun!uunet!know!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Derek Wills)
Newsgroups: rec.ham-radio
Subject: more on the WAZ award
Keywords: modes and fragmentation
Message-ID: <39972@ut-emx.uucp>
Date: 19 Nov 90 23:29:02 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 30
Posted: Tue Nov 20 00:29:02 1990

In the previous posting I forgot to mention something the WAZ award manager (K1MEM) told me. I asked him why the WAZ-SSB awards are numbered sequentially, while there is no such numbering scheme for the WAZ-CW ones, which are numbered along with the WAZ-mixed ones.   That is, if you do a WAZ entirely on CW, you get the same certificate as for a mixed-mode award except that it has "CW" in ink at the bottom.   There are historical reasons for this (going back a *long* way). The news is that they are just about to start an all-CW WAZ series. Read the footnote on page 50 of the Nov CQ Mag for more information (basically, you make QSOs starting Jan 1991, and the QSL cards must say "two-way CW"). There are some other changes to the WAZ program that are listed in that article.

Incidentally, to those of you who want to fragment wreck.ham-radio even further, where would the above posting go, in your view? It mentions the dreaded CW, even advocates its use on the ham bands - does that mean it belongs in whatever.legal?   Do Phil Karn's quantitative comparisons of the various communication modes belong there too? What about those of you who are disturbed by mention of contests, DXing and so on?   How about all those articles about what sort of antenna to use in various circumstances? We are not all interested in all the postings that appear here. I find it very easy to skim all the articles in r.h.-r. and I suggest that if we need another subgroup or groups then this one should be renamed ham.radio-ostrich, for all those who would like the group to be like a nice pleasant tea party with no disturbances to their own set way of doing things. Or rec.ham.75m?

Derek Wills (AA5BT, G3NMX)

Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From -5801647487825518757
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,86156ca2c1ed609b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 15:30:09 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!network.ucsd.edu!dcdwest!plb
From: plb@dcdwest.uucp (Phil Blais)
Newsgroups: rec.ham-radio
Subject: Less Than Clean Fists
Message-ID: <1990Nov19.233009.22195@dcdwest.uucp>
Date: 19 Nov 90 23:30:09 GMT
Organization: ITT Defense Communications Division - West
Lines: 26
Posted: Tue Nov 20 00:30:09 1990

Wadda ya do when...

You call CQ (cw mode) and station XYZ answers - absolutely gorgeous signal. You finish the first exchange, having told him he's RST 599 plus 20 into Timbucktwo and then send it back to him KN.

Now XYZ comes back for his/her first exchange. After the first couple of words or so you soon realize that this is not gonna be one of those "vy fb qso's" cuz XWZ's fist is obviously afflicted with both a lisp and a stutter and you'll have learned an entirely different version of morse by the time this qso ends :-)

So... I'd like to poll the net and request responses which answer the question - "How do I tactifully get out of this mess without pissing this guy off?"

Of course as the originator of this posting I get the obvious one which goes something like... sri om but the QRM es QRN are murder on this end...

73...

--
phil blais N6KXD (ex WD6ETL)   ITT   Aerospace Communications Division
dcdwest!plb@ucsd.edu   DEFENSE   10060 Carroll Canyon Road
ucbvax!ucsd!dcdwest!plb   San Diego, CA 92131

From 5771126829398950939
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f34094807c35370,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-11-19 15:46:55 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!elroy.jpl.nasa.gov!news
From: gwalsh@kilroy.jpl.nasa.gov (Gerald J. Walsh)
Newsgroups: rec.ham-radio
Subject: Here are the Kenwood TH-77A mods!
Message-ID: <1990Nov19.234655.7052@elroy.jpl.nasa.gov>
Date: 19 Nov 90 23:46:55 GMT
Sender: news@elroy.jpl.nasa.gov (Usenet)
Organization: Jet Propulsion Laboratory, Pasadena, CA
Lines: 203
Posted: Tue Nov 20 00:46:55 1990
Originator: gwalsh@kilroy
Nntp-Posting-Host: kilroy.jpl.nasa.gov

Here is the complete list of mods that are know to date for the Kenwood TH-77A Dual Band hand held:

From the factory, it can receive 138-174MHz and seems to do it quite well with the supplied rubber duck antenna. It also can receive 438-450MHz and, likewise, does this quite well too! One very interesting feature of the TH77A is that it can do *DUAL* UHF receive! To do this it uses the VHF receive section and you have less sensitivity, but I really haven't noticed much signal degredation at all.

Kenwood has made this radio compatible with the new ICOM S-Series radios from what I can tell. It has DTSS (Dual Tone Squelch System) which means that your radio will not break squelch until it hears a particular sequence of three DTMF tones (ICOM has this also and they call it Coded Squelch which also use three tones). The TH77A also has a paging function that works *exactly* like the ICOM paging. You program the radio with a personal 3 digit DTMF code and someone pages you by transmitting YOUR 3 digit code, followed by a * character and then their own 3 digit code. The ICOM will start to ring to let you know that you have been paged and display the 3 digit code of the person that has paged you. The TH77A will beep once and open squelch as long as the person that paged you does not drop carrier (I prefer the ICOM method for this part, but there is a work around that I will mention in a bit). One thing the TH77A does at this point is bring up a timer so you know how long its been since you've been paged. Maximum time is 99 hours and 99 minutes. Let's see if your battery can hold out that long! The workaround so the TH77A will ring, rather than just beep and open squelch is to put the radio in the pager mode AND also put it in Tone Alert. When you get paged... the radio will "beep beep (pause) beep beep" five times and start up the timer. Kenwood has provided two different types of BEEPS for you. The second type is to ring like an electronic telephone. This one *REALLY* sounds nice!! For those of you that like autodial memories, there are 10 memories that can store 15 characters each. There are 40 regular frequency memories in this radio and you can make them all UHF if you like (no restriction).

NOW! On to the *EXTRA* capabilities (there are other BASIC functions that I didn't mention, those were just the highlights).

After making a few modifications to this radio, you can get it to do the regular stuff that the IC24AT will do, such as AM aircraft, expanded UHF (400-512 depending on PLL lock) and 800-950 (again, depending on PLL lock) in addition to cross band repeat.

HOW DO YOU DO THIS!?

Easy (if you've got a steady had for removing a chip resistor!).

Open it up. There are 3 screws visible on the outside and 4 more underneath the battery pack. Unlike most radios, this one doesn't have a spring for the battery release switch. It gets spring action from the metal plate that you will remove when you take out the four screws. I love it!

Anyway, the area you will be working in is on the control board which is fixed to the front section of the radio. In particular, look for the yellow electrolytic capacitor (its yellow in mine) that is at the dead center of the board (there are two IC's, one above this and 1 below this). You will have to remove the electrolytic capacitor (C124) and set it aside for a few minutes. You will be putting it back afterward. The reason for removing this is so that you can remove a chip resistor that is underneath it. To avoid tearing the flex board foil traces, do not bend the leads of the capacitor. There is a green wire that is connected to one side of this capacitor. If you disconnect one side of this green wire, you will get RX from 400-512 (PLL lock depends on the radio, but you can DIAL from 400 to 512). Orient the radio so that the volume controls and BNC are at 12 O'Clock on your table (farthest from you) and the bottom (where the battery connects) is at 6 O'Clock (nearest you). In the area where you removed the capacitor, you will see a blank space where there could have been a chip resistor followed by two chip resistors side-by-side and in the next row below that, you will see 3 more that are side-by-side. There is one to the left of these two rows that is kind of off center. Now, there are three ways to configure this radio at this point:

1 - With one side of the green wire pulled, you will have 136-174 RX, 400-512 RX. If that's all you want, you are done.
2 - By removing the rightmost chip resistor (R129), in addition to keeping one side of the green wire disconnected, you will have 136-174 RX, 400-512 RX, 118-136 AM RX, 800-950 RX.
3 - By removing both of the chip resistors, in addition to putting the green wire BACK where it belongs, you will have 136-174 RX/TX, 400-512 RX/TX, 118-136 AM RX and 800-950 RX.

All three of these options include, of course, putting the electrolytic capacitor back in place afterwards.

NOTE! ONCE YOU START DOING THIS STUFF, YOUR MEMORIES AND POWER ON SWITCH CONFIGURATIONS WILL ALL BE LOST! MAKE A NOTE OF HOW YOU ARE SETUP BEFORE YOU BEGIN!

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          |                |
          |    -- -- --    |
          |       || || <================== REMOVE THE RIGHT ONE
          |    -- -- --    |      FOR AM/800-950 RX.
          |    --               |      REMOVE BOTH TO ALSO
          |    ||    -- -- --       -/      GET EXTENDED TX.
          |    --     || || ||     /
          |       -- -- --    |
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```

Layout shown with electrolytic capacitor C124 removed

The best way to do this is to heat up both sides of the resistor and push it out of the way with something small. At least this was the best way for me! Once it's out, put the capacitor back in place and close it up. (Put the green wire back also, if you are making the out of band TX mod too!)

TO OPERATE THE NEW FEATURES

To receive AM aircraft, get the VHF side in the main band and hit the ENT key twice to go to the VFO. Once you are in the VFO, hit the UxU key twice. Once for dual UHF receive and the 2nd time for AM (118-136).

To receive 800-950, get the UHF side in the main band and hit the ENT key twice to go to the VFO. Once you are in the VFO, hit the UxU key once.

To enable crossband repeat, hold down the SUB BAND UP ARROW key while turning on power. To disable, do the same thing again. Kenwood says that both bands can contain shift information but only one band can include an encode/decode tone.

One more thing. The POWER ON + 8 KEY that allows you to select the kind of memory recall will be a bit different. Now, you will have an extra option in the right side of the display. E1 or E2 which may be selected with the VFO control on the top of the radio. E1 mode will allow you to automatically make the radio switch to AM or switch to the 800MHz stuff as you use the VFO knob to move through your memory channels. E2 mode will skip over any memories that are AM or 800-950MHz. In E2, the only way to recall one of the *special* memories is to go to the VFO, hit the UxU key to go to AM or 800MHz and then recall one of these memories. Personally, I have mine in E1 and don't know any reason why anyone would want to be in E2, but its there if you need it!

The Kenwood modification sheet says the following about AM sensitivity:

> While the receiver sensitivity is neither specified nor guaranteed for the AM range, the sensitivity is typically less than 1uV for 10dB signal plus noise to noise ratio between 123-131MHz. The band edges, however, measure between 8-20uV for 1dB S+N/N ratio.

SOME PERSONAL OBSERVATIONS

My radio seems to have a hole in it in the 800MHz band. I get this beeping sound when I try tuning between 864-875MHz (I believe the TH77A beeps when it can't lock). Also, the sensitivity could be better around 483MHz (local Sheriff). I did notice that using the dual UHF receive and tuning to 483MHz was better than using the straight UHF receive. (Remember, the dual UHF RX uses the VHF section with reduced sensitivity. Well, its reduced in the amateur portion, but seems to be enhanced out of the band!) At around 506MHz (Los Angeles PD) its VERY weak. I could barely hear anything WITH an outside antenna. Maybe some tweaking inside could improve this (I haven't really looked for the VCO yet).

Many thanks to Pontus Hedman (rph@sq.com) for helping me put this information together! Thanks also goes out to James Dugal (jpd@pc.usl.edu). By the way, Pontus did mention that checking the input frequency was a bit annoying. You have to hit FUNCTION SHIFT to get the radio to REVERSE and listen to the input. I agree!

Anyway, hope this information helps you get more from you new toy!
Its a *REALLY* nice radio!!

Gerald J. Walsh | Internet: gwalsh@kilroy.jpl.nasa.gov
Jet Propulsion Laboratory | Phone : (818) 354-3913
RF and Microwave Subsystems Section | Fax : (818) 354-2825
M/S 238-528 |

```
4800 Oak Grove Drive                    |
Pasadena, CA  91109                     |




From 7258111020766117183
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4df41f2bccb5e5ba,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 15:59:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
cs.utexas.edu!hellgate.utah.edu!fcom.cc.utah.edu!cc.utah.edu!cc.usu.edu!slp9m
From: slp9m@cc.usu.edu
Newsgroups: rec.ham-radio
Subject: WANTED: QSL route for W9NXD/HR2
Message-ID: <1990Nov19.175933.42816@cc.usu.edu>
Date: 19 Nov 90 23:59:33 GMT
Organization: Utah State University
Lines: 8
Posted: Tue Nov 20 00:59:33 1990

Does anyone have a current QSL route for W9NXD/HR2?  The original manager is
now a silent key.            TNX & 73,  Scott.
############################################################################
#        Scott E. Parker   WA7VYJ        #                                 #
# Center for Atmospheric & Space Sciences # INTERNET: SLP9M@cc.usu.edu     #
#          Utah State University          # Twisted pair: (801) 750-2975   #
#         Logan, UT    84322-4405         #         Home: (801) 753-3924   #
############################################################################


From 8804749412511845567
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f7d50eea31a7753
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9f7d50eea31a7753
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,9f7d50eea31a7753
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,9f7d50eea31a7753
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-11-19 16:23:24 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!mit-eddie!wuarchive!usc!
ucselx!bionet!synoptics!jkaidor
From: jkaidor@synoptics.COM (Jerome Kaidor)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-
radio
Subject: Re: 8mm. camcorders
Message-ID: <22093@mvis1.com>
Date: 20 Nov 90 00:23:24 GMT
References: <YETSKO.90Nov13083828@interlan.interlan.com> <8050@dog.ee.lbl.gov>
```

<1990Nov19.211452.171@cs.rochester.edu>
Followup-To: rec.radio.shortwave
Organization: SynOptics Communications Inc. Mountain View, Ca.
Lines: 16
Xref: gmdzi rec.radio.shortwave:2787 rec.ham-radio.swap:810 rec.ham-radio.packet:3078 rec.ham-radio:17065
Posted: Tue Nov 20 01:23:24 1990

In article <1990Nov19.211452.171@cs.rochester.edu> ray@cs.rochester.edu (Ray Frank) writes:
>
>Some other drawbacks are shorter recording time for the 8mm camcorders due
>to the smaller tapes.

*** 8MM tapes are available up to two hours long. That's a _LOT_
of taping! It's the VHS-C tapes that are super-short.

>Also, if you want to play 8mm tapes back through your VCR using VHS tapes,
>you must record the 8mm onto VHS tapes. This naturally reduces the quality
>of the final playback due to the addition of noise.

*** You shouldn't need to do this, because most 8mm units can hook up
to your TV, either through the A/V inputs of your VCR, or through an
accessory video modulator.

From 6427732576669520499
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2a67f38c8f69b932
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109f45,2a67f38c8f69b932
X-Google-Attributes: gid109f45,public
X-Google-Thread: f8421,2a67f38c8f69b932
X-Google-Attributes: gidf8421,public
X-Google-Thread: 114aac,6261fd839cac2dee,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 104158,2a67f38c8f69b932
X-Google-Attributes: gid104158,public
X-Google-ArrivalTime: 1990-11-19 17:41:10 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!newstop!exodus!wellworld!endelman
From: endelman@wellworld.Sun.COM (Aaron Endelman)
Newsgroups: talk.politics.mideast,talk.politics.misc,misc.headlines,rec.ham-radio,rec.radio.shortwave
Subject: Re: ARF ENDS BOYCOTT
Message-ID: <3144@exodus.Eng.Sun.COM>
Date: 20 Nov 90 01:41:10 GMT
Sender: news@exodus.Eng.Sun.COM
Followup-To: talk.politics.mideast
Organization: Sun Microsystems, Mt. View, Ca.
Lines: 68
Xref: gmdzi talk.politics.mideast:2555 talk.politics.misc:5583 misc.headlines:3165

rec.ham-radio:17017 rec.radio.shortwave:2758
Posted: Tue Nov 20 02:41:10 1990

In article <1990Nov14.033744.9490@ddsw1.MCS.COM> arf@ddsw1.MCS.COM (Jack Schmidling) writes:
>
>[I wrote:]
>> [Schmidling] uses the 40 meter (7 MHz)
>> ham band to preach his political gospel, which is
>> probabilistic given FCC restrictions on the content of
>> amateur transmissions.

My error on the band. It's 75 meters (see below).

> Interesting word, probabilistic. If you are questioning the
> legality of ARF, give up. The Forum is not only well within
> the legal constraints of amateur radio, it is very popular
> and probably the only worthwhile and constructive use
> currently being made of the amateur frequency allocations.

As I recall it, ham transmissions are supposed to be "remarks of a personal or technical nature" and not political quasi-broadcasts. I also find it pretty arrogant to assume that you're the only one out of half a million or so hams who is doing something worthwhile on the bands.

>> The ham who commented about it ... found ... that it was pretty
>> much only Jack doing his thing and didn't involve other hams.
>
> I hate to burst your bubble, but I stopped keeping records
> when the "roll call" reached 1000.

I'm just reporting what someone else said. I have no "bubble" to burst.

> In addition to our own discussions, I frequently interview
> guests and field questions and comments for them. Among the
> notable guests:
>
[elided because of a finicky mailer that wants me to write more new text than old]
>
> It is typical strategy of your type to belittle what you can
> not deal with in any other way

I don't know what "type" you think I am, but as I said, I was just reporting what someone else said.

>   but for the benefit of those
> who really care, the schedule for ARF is:
>
> Thursday at 9:PM Local time in Chicago.
>
> The frequency is 3.950 MHZ, LSB.

I may just tune in. Thanks for the info.

*** Stupid mailer padding. Stupid mailer padding. Stupid mailer padding. ***
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*** Stupid mailer padding. Stupid mailer padding. Stupid mailer padding. ***

Aaron Endelman KK6QH   endelman@eng.sun.com
Symbolic Programming Environment Group
M/S 12-40, Sun Microsystems, Inc., 2550 Garcia Ave., Mtn. View, CA   94043

From 8527404163233749049
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2fc7c38e8fdf60a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 18:44:27 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!swrinde!cs.utexas.edu!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Preliminary call for discussion: rec.ham-radio legal
Message-ID: <1557@ke4zv.UUCP>
Date: 20 Nov 90 02:44:27 GMT
References: <11470.2746eb6e@ecs.umass.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 23
Posted: Tue Nov 20 03:44:27 1990

In article <11470.2746eb6e@ecs.umass.edu> scott@ecs.umass.edu writes:
>I would like to see some specific reasons for the establishment of yet another
>ham group. Proponents should take advantage of the opportunity to lay out all
>their reasons for such. I get the feeling that some folks are outraged by any
>sort of controversy - they call it "flaming". Everything that is not milky
>bland or highly technical or supportive of the (genuflect) ARRL is to be
>shunned by the enlightened - right?
>Come on folks, let's not become too stultified. Sure, the code-no code
>discussion seems unending. So what? I would really prefer to exclude all the
>mentalities that are horrified ("bored") by controversy. Reasoned arguments
>are the spice of life. Even the Russians are able to disagree now without
>being sent to Siberia!

Many hams are argumentative, many Usenetters are argumentative, and Usenet hams are really argumentative. The question of which is the larger group, the arguers or the non-arguers is a valid concern. I support the separation of rec.ham-radio into an argumenative group and a bland lifeless noncontroversial group. It would be easier to manage a subgroup named rec.ham-radio.bland than a rec.ham-radio.legal and would tend to keep the crosspostings to a minimum in the rec.ham-radio base group. Think about it.

Gary KE4ZV

From 552187211116460429
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2cd2831e3575fa95
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 18:55:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: basic antenna lesson needed
Message-ID: <1558@ke4zv.UUCP>
Date: 20 Nov 90 02:55:05 GMT
References: <9010281311.AA18576@ucsd.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 35
Posted: Tue Nov 20 03:55:05 1990

In article <9010281311.AA18576@ucsd.edu> BNHIRSCH@WEIZMANN.BITNET ("David L. Hirschberg") writes:
>Dear Info-Hams,
>
>I have an antenna question. What am I doing wrong? I am trying
>to build a dipole antenna for a shortwave radio that will enhance
>my reception in the 19 meter band. I am currently living
>in Israel in a heavy concrete building. I have a book on shortwave, which
>has a short chapter on antenna theory. I cut two 15.25 foot lengths of
>10 gauge comon house wire, stripped it and affixed it about 0.5 inches
>off the building with plastic insulators. At the center of the
>antenna I soldered a 10 meter length of co-axial cable, which I think
>is 58 Ohm. I then ran the coax to the antenna jack in the back of the
>radio. When I switch the antenna switch setting to external everything
>goes quiet (ie no static or reception). The antenna appears to be isolated
>from the building. I have also tried grounding the outer portion of the
>coaxial cable with no improvement.
>
>Any help would be much apreciated. Thank you in advance.
>
>David L. Hirschberg

This antenna should work, not great mind you because you mounted it so close to the building, but it should work. Now the key question becomes how did you connect the coax to the antenna. A dipole is two pieces of wire with an insulator in the center. One piece of wire should be connected to the center conductor of the coax and the other piece of wire should be connected to the shield of the coax. The two pieces should not be shorted together. At the radio end of the coax, the center conductor should be connected to the center pin of your coax connector and the shield should be connected to the outer shell of the connector. It sounds like you have shorted the coax at one end or the other and that's preventing any signal from getting from the antenna to the radio. Recheck your connections, your design is sound.

Gary KE4ZV

From -8609461563949562824
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f7d50eea31a7753
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9f7d50eea31a7753
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,9f7d50eea31a7753
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,9f7d50eea31a7753
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-19 19:30:21 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!chaph.usc.edu!girtab.usc.edu!carltons
From: carltons@girtab.usc.edu (Carlton Szeto)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: 8mm. camcorders
Message-ID: <13241@chaph.usc.edu>
Date: 20 Nov 90 03:30:21 GMT
References: <YETSKO.90Nov13083828@interlan.interlan.com> <8050@dog.ee.lbl.gov> <1990Nov19.211452.171@cs.rochester.edu>
Sender: news@chaph.usc.edu
Followup-To: rec.radio.shortwave
Organization: University of Southern California, Los Angeles, CA
Lines: 11
Xref: gmdzi rec.radio.shortwave:2793 rec.ham-radio.swap:813 rec.ham-radio.packet:3080 rec.ham-radio:17079
Posted: Tue Nov 20 04:30:21 1990
Nntp-Posting-Host: girtab.usc.edu

In article <1990Nov19.211452.171@cs.rochester.edu> ray@cs.rochester.edu (Ray Frank) writes:
>
>Some other drawbacks are shorter recording time for the 8mm camcorders due
>to the smaller tapes.

8mm tape are typically 120mins long with no necessity to reduce speed.
To get the same portability, the VHS-C is comprimised in terms to record time.
They typically get 20min in standard play and 1hr in slowest speed, and

naturally the worst video image. Even in its fastest speed given camcorders
in the same price/feature catagory, 8mm is still better than VHS-normal, abeit
only slightly so...

From 8193846313665810028
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a2729461f55c1454
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 19:37:53 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Need all kinds of HELP.
Message-ID: <1559@ke4zv.UUCP>
Date: 20 Nov 90 03:37:53 GMT
References: <273@dean1.usma.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 66
Posted: Tue Nov 20 04:37:53 1990

In article <273@dean1.usma.edu> x35514e4@dean1.UUCP (PUT YOUR NAME HERE) writes:
>After six months of "read-only" privleges for this newsgroup I've finally
>been granted post priveleges. The following is six months of bottled up
>questions for the ham-radio gods out there.
>
>   2) about az-el rotors: we have the Yeasu GB-5400 az-el rotors
>   swinging 3 KLM beams (2meter, 70cm, and 24cm). We also have
>   a 386 machine. The logical question for a EE major is: How can
>   I control the rotors using the computer? I have some ideas that
>   would involve a game card and a parallel printer interface,
>   but I'd like to tap the net's collective intelligence on this.

There are commercial cards available for doing this, but you are on the
right track. You need a parallel port to drive the relays through the
transistor drivers provided in the 5400 and you need some form of A/D
conversion to read the position pots. The pots are powered by the control
box through a 7808 voltage regulator and a dropping resistor so some
hacking of your game port, which is also powered, will be needed to
make them talk without smoke. Amsat's Instatrack and Quiktrak will
drive the rotors for you after you customize the interface drivers
for your hardware.

>   3) about IC-781's and IC-4KL's:
>   a) has anyone had any success using the built in data display
>   for rtty work? Can I use a TNC (esp. an MFJ-1278) or
>   can I build a dedicated-RTTY device that takes that output
>   from the data jack, decodes it, and feeds it strait back in.
>   Anyone have any experience with this?

Icom demonstrates this at all the shows. It seems rather useless though
since, without a keyboard, you can't issue the necessary commands to

your data controller to get it to monitor the signal you are interested in. Of course two way use is impossible without a keyboard.

> I have a Kantronics TNC-2 with rom update 2.83 (dated 1988). Is
> there a new version of the ROM, and is it worth the update? BTW,
> I tried running packet on my FT-470 but the TNC throws off so much
> RF that it desenses the radio to the point that it's worthless. My
> ancient (!) IC-2AT does a great job of it though. I still think
> the 470 is the neatest handheld on the market.

I assume you meant a Kantronics KPC-2 and not a TNC-2. These are totally different animals. The KPC is a good TNC but is neither firmware nor hardware compatible with the TNC-2. There is not a dedicated KISS rom for it nor will you be able to use the satellite modems or high speed modems that are available for the TNC-2 since the KPC-2 doesn't have the TAPR TNC-2 modem disconnect nor the TNC-2's Z80 architecture. With that in mind, get the upgraded firmware, there are substantial improvements in the later code. Using the KPC with an HT requires that you use an external antenna on the HT. The case of the KPC is not a very good shield and you have to get away from it. You can also tweak the crystal oscillator in the TNC to try to move the hash off your operating frequency. Another approach that works is to use long audio lines between your KPC and your HT. About a dozen feet of separation seems to work ok. I've found that the tin boxes MFJ uses in their 1270 series are a much better shield. The MFJ 1270, 1270B, and 1274 are TAPR TNC-2 compatible. The 1278 is not.

> Since we have satellite capability in the station, what PSK modem is
> the best? Is there one that we can piggy-back on an existing TNC,
> esp MFJ 1278 or TNC-2?

The kit from Radiokit works well with a TNC-2. Paccom has a similar unit assembled, and TAPR also has a kit. I'm not sure that you can interface any of these to a MFJ 1278, but any true TNC-2 compatible TNC will work.

Gary KE4ZV

From -2756674480264926830
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b4f79ab584390a8f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,b4f79ab584390a8f,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-11-19 19:53:01 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio,sci.space
Subject: Congrats to Ted Molczan
Message-ID: <4213@otis.oakhill.UUCP>
Date: 20 Nov 90 03:53:01 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 10
Xref: gmdzi rec.ham-radio:17081 sci.space:17709

Posted: Tue Nov 20 04:53:01 1990

I picked up a copy of the Washington Post today and noticed
that fellow satellite chaser Ted Molczan made the 'Around the Nation'
column (Page A16 Monday, November 19,1990). Apparently Ted noticed
something 'unusual' about the Shuttle and it's classified payload.
The article suggests that the Shuttle crew may have had to rescue
the spy satellite but NASA has remained silent on any possible problem.
Nice going Ted...keep 'em honest.

-Charlie Thompson
WB4HVD

From 4539694147960253860
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2fc7c38e8fdf60a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 21:50:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!sun-barr!newstop!west!texsun!csccat!adept!alan
From: alan@adept.UUCP (Alan Ruffer)
Newsgroups: rec.ham-radio
Subject: Re: Preliminary call for discussion: rec.ham-radio legal
Message-ID: <332@adept.UUCP>
Date: 20 Nov 90 05:50:17 GMT
References: <11470.2746eb6e@ecs.umass.edu>
Reply-To: alan@adept.UUCP (Alan Ruffer)
Organization: Perfect Partners Inc., Sulphur, LA
Lines: 33
Posted: Tue Nov 20 06:50:17 1990

In article <11470.2746eb6e@ecs.umass.edu> scott@ecs.umass.edu writes:
>I would like to see some specific reasons for the establishment of yet another
>ham group. Proponents should take advantage of the opportunity to lay out all

Some very good reasons were included when the original idea was posted.
I expect that even more good reasons will be added to the list when formal
discussion begins.

>their reasons for such. I get the feeling that some folks are outraged by any
>sort of controversy - they call it "flaming". Everything that is not milky

I do not feel controversy and flaming are the same thing. Controversy
may lead to flaming when emotions take control away from ones ability to
reason.
I suspect that even reasonable people get tired when any controversy repeats
the same arguments ad nauseum.

>Come on folks, let's not become too stultified. Sure, the code-no code
>discussion seems unending. So what? I would really prefer to exclude all the
>mentalities that are horrified ("bored") by controversy. Reasoned arguments
>are the spice of life. Even the Russians are able to disagree now without

In your opinion, but not necessarily others. We will see what the majority think soon enough. The object of this idea is not to banish anyone to "Siberia"...

Alan
```
+------------------------------------------------------------------------+
| Alan R. Ruffer          UUCP: {csccat,chinacat!holston}!adept!alan    |
| ARS WB5FKH                                                             |
| Route 1, Box 1745                                                      |
| Sulphur, LA 70663       BBS: (318) 527-6667  19200 (PEP) - 1200 baud  |
+------------------------------------------------------------------------+
```

From -1537224512614183424
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc92205c58db5994
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 21:52:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!asuvax!anasaz!qip!rusty
From: rusty@qip.UUCP (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: Usenet UnNet-be there!
Message-ID: <5477@qip.UUCP>
Date: 20 Nov 90 05:52:53 GMT
References: <1990Nov16.080440.8625@midway.uchicago.edu>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 30
Posted: Tue Nov 20 06:52:53 1990

In article <1990Nov16.080440.8625@midway.uchicago.edu> gary@ellis.uchicago.edu (gary buchholz) writes:
```
>
>****************************************************************************
>
>Don't forget about the Usenet un-net this (and every) Saturday Nov 17,90
>1700-1900Z, 28.410 or 28.390 MHz.  Basically, call "CQ Usenet".
>
>Pretty bad turnout last week - but I'll be there.  And, I'll be taking
>names of everyone NOT there.... and sending out negative-QSL cards !
>So be there... or suffer the consequences....
>
>***************************************************************************
```

Well, I missed the first half of it, but the second half was pretty good, even though more than 1/2 the folks had already left! Jay Maynard was running as net control when I got there. I know that John Moore had been doing it before that.

I will not be on this coming weekend, but dont' let *that* stop you! (or maybe I should say "So if the threat of my being their has kept you off, now's your chance!" :-)

73! CU on the Un-Net!

--
+++ 73 de N7IKQ +++
Rusty Carruth   {ames!ncar!noao!asuvax,mcdphx}!anasaz!rusty
P.O. Box 27001, Tempe, AZ 85285   anasaz!rusty@asuvax.eas.asu.edu
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz
The Ham Callsign Project, part 3 (the 1990 version) - its HERE! Email for info

From 8301390268043324311
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2fc7c38e8fdf60a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 22:04:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: Preliminary call for discussion: rec.ham-radio legal
Message-ID: <272@bongo.UUCP>
Date: 20 Nov 90 06:04:38 GMT
References: <11470.2746eb6e@ecs.umass.edu>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 57
Posted: Tue Nov 20 07:04:38 1990

In article <11470.2746eb6e@ecs.umass.edu>, scott@ecs.umass.edu writes:
> I would like to see some specific reasons for the establishment of yet another
> ham group. Proponents should take advantage of the opportunity to lay out all
> their reasons for such. I get the feeling that some folks are outraged by any
> sort of controversy - they call it "flaming". Everything that is not milky
> bland or highly technical or supportive of the (genuflect) ARRL is to be
> shunned by the enlightened - right?

Does humour imitate life?

Because of all the "It's illegal" carping of the narrow minded I and others have suggested that we create wrecked.ham-radio.lawyer etc. This has been a quiet giggle for the past year or so. In fact, just for giggles I have even created a newsgroup in my active file called rec.ham-radio.lawyer.

It is interesting to note that the dull dreary goody-goody attitude of the narrow minded has lead to the suggestion that they get their own forum. But at least this will give them an opportunity to drone on endlessly about matters legal and bureaucratic.

Of all the postings I have made here over the past 18 months, the one that got the most response was a scenario I fabricated to excite the armchair lawyers. I invented a scenario where I was on an auto-patch and someone put me on hold. While on hold, a song and two ads were played over the repeater. The response to this posting went on for weeks. If I ask anything slightly technical, it is usually ignored.

Maybe we should just call this group:
rec.ham-radio.humourless-bureaucrat

Why feed these people? Why don't we ignore them? Let's treat them with the contempt which they deserve. Giving them a news group will not stop them posting to rec.ham-radio saying: "Nja-nja, you can't do that. I'm going to tell the FCC about you."

Some of my most instructive hamming was illegal. Yes, I will even admit to running illegal phone patches on 2M and 23 cM between Sweden and Denmark. So I suppose I am now an international felon. I have even worked Germany, Holland, Belgium, Denmark and England from a commercial aircraft using a 2M walkie-talkie. So want to know if you can do this from a plane? Sure you can. Did it crash? Obviously not. Did I have the captains permission? Well on some these jaunts the captain (an SM) and I took turns working the rig. But 1,125 posters here will tell you that the plane will crash and you will go to hell after you have been to prison.

We now return you to the "You can't do that" postings that clutter this forum.

P.S. Loved the posting about not being allowed to use radios on Amtrak. Very funny.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From -3771991539609265610
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,86f392f936a82a26,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 22:20:13 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!asuvax!anasaz!qip!rusty
From: rusty@qip.UUCP (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Callsign project
Message-ID: <5478@qip.UUCP>
Date: 20 Nov 90 06:20:13 GMT
Organization: Anasazi, Inc., Phoenix Az.
Lines: 17
Posted: Tue Nov 20 07:20:13 1990

I was talking to John Moore NJ7E today, and he asked me how the callsign project was going. I told him, and he panicked. (Well,almost) So, he suggested that I remind everyone that the callsign project is currently underway (I await the data from the NTIS which I ordered a month ago)!

Get those cards and tapes in the mail, please! :-)

(Why did he near-panic? Because I told him it looked like the money
I had planned to spend on a dual-bander for the car would go instead
to pay for the FCC database... oops! :-(

--
+++ 73 de N7IKQ +++
Rusty Carruth   {ames!ncar!noao!asuvax,mcdphx}!anasaz!rusty
P.O. Box 27001, Tempe, AZ 85285   anasaz!rusty@asuvax.eas.asu.edu
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz
The Ham Callsign Project, part 3 (the 1990 version) - its HERE! Email for info

From -9012863358779002627
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,25640051b5bfe724,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-19 23:01:03 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!
PUCC.PRINCETON.EDU!fire%vaxfi.decnet.cern.ch
From: fire%vaxfi.decnet.cern.ch@PUCC.PRINCETON.EDU (Pierfrancesco Caci)
Newsgroups: rec.ham-radio
Subject: on air
Message-ID: <9011200701.AA04314@dxmint.cern.ch>
Date: 20 Nov 90 07:01:03 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18
Posted: Tue Nov 20 08:01:03 1990

```
******************************************************************************

             ABNUNZIO VOBIS GAUDIUM MAGNUM!  HABEMUS NOMINA!

Pierfrancesco, IK5PVX                                          Massimo, IK5PWA

******************************************************************************
```

```
|------------------------------------------------------------------------------|
| Pierfrancesco Caci IK5PVX   |                                                |
| fire@vaxfi.infn.it          |   This space for rent.  300 lire per word.     |
| fire@vaxfi.decnet.cern.ch   |    Any currency accepted at current rate.      |
| 39331::FIRE                 |                                                |
|------------------------------------------------------------------------------|
From 8410596439452876132
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,13313fbdc3718c69
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,13313fbdc3718c69
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-11-20 05:01:36 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!caen!
hellgate.utah.edu!fcom.cc.utah.edu!cc.utah.edu!conf
From: CONF@cc.utah.edu
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: Packet Test - Volunteers wanted
Message-ID: <102620@cc.utah.edu>
Date: 20 Nov 90 13:01:36 GMT
References: <538@ssc.UUCP> <577@lrark.UUCP>
Lines: 35
Xref: gmdzi rec.ham-radio:17075 rec.ham-radio.packet:3079
Posted: Tue Nov 20 14:01:36 1990
```

```
In article <577@lrark.UUCP>, rick@lrark.UUCP (Rick Mobley) writes:
> In article <538@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>  >
>  >Do you have access to both Usenet and your local VHF packet BBS?
>
> Yes, both.
>
>  >Can you help me with a little experiment?
>
> Sure.
>
>  >I need several packet stations who can do a couple of tests for me,
>  >which involve listing some bulletins off of their local VHF packet BBS,
>  >and then e-mailing the listings to me on Usenet.  This is just a short
>  >term experiment, and quite easy.
>  >
>  >I need folks in several areas across the MIDDLE of the USA, like in
>  >Salt Lake City, Denver, Kansas City, St. Louis, and possibly Chicago,
>  >Atlanta, Nashville and New Orleans.
>
> Arkansas falls in the area you described.
>
>  >If you think you can help, contact me and let me tell you what I
>  >need.
>
> Contact me at the bang path below. Still waiting on the maps to get
> caught up with me.
>
> 73
>
> --
> rick@lrark.UUCP       *    bang path --> uunet!ddi1!lrark!rick    *
> Ricky Mobley          *          LRTUG (501) 224-9454             *
> 1800 Sanford Dr. #4   *    GEnie Unix RT SysOp address LRARK      *
```

> Little Rock, AR 72207 *   WB5FDP.AR.USA.NA wb5fdp.ampr.org   *

From 3737659795117257187
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c67bb8235fe84ba,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-20 06:36:03 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!computing-and-management-sciences.sheffield-city-poly.ac.uk!iana
From: iana@computing-and-management-sciences.sheffield-city-poly.ac.uk (Ian Abel G3ZHI)
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V90 #423
Message-ID: <1247.9011201436@swallow.cms.scp.ac.uk>
Date: 20 Nov 90 14:36:03 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 3
Posted: Tue Nov 20 15:36:03 1990

V1

From 2616140324101513960
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2fc7c38e8fdf60a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-20 07:10:05 PST
Path: gmdzi!unido!mcsun!uunet!nih-csl!lhc!mimsy!haven!decuac!bacchus.pa.dec.com!shlump.nac.dec.com!koning.enet.dec.com!koning
From: koning@koning.enet.dec.com (Paul Koning)
Newsgroups: rec.ham-radio
Subject: Re: Preliminary call for discussion: rec.ham-radio legal
Message-ID: <1990Nov20.100747@koning.enet.dec.com>
Date: 20 Nov 90 15:10:05 GMT
References: <1557@ke4zv.UUCP> <11470.2746eb6e@ecs.umass.edu>
Sender: newsdaemon@shlump.nac.dec.com
Reply-To: koning@koning.enet.dec.com (Paul Koning)
Organization: Digital Equipment Corporation
Lines: 11
Posted: Tue Nov 20 16:10:05 1990

I don't see the point in having another newsgroup. If the purpose
is to be what the name says -- discussion about legal aspects --
then I'd say it is directly relevant to ham radio in general and
there is no sense in sticking it out in a group of its own.

If the purpose is to segregate flaming (as opposed to real discussions)
then (a) the name is wrong, (b) it won't work anyway. The code/nocode
meatheads are not likely to have the good sense to keep their flaming

in the rec.ham-radio.useless-flaming newsgroup!

paul, ni1d

From 4268633112304641441
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5edc238380a90a66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-20 07:19:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
sdd.hp.com!hplabs!hpfcso!ron
From: ron@hpfcso.HP.COM (Ron Miller)
Newsgroups: rec.ham-radio
Subject: Re: req'd license for packet (was Re: Abbreviation "QAM")
Message-ID: <7500046@hpfcso.HP.COM>
Date: 20 Nov 90 15:19:25 GMT
References: <1990Nov10.080332.17952@xanadu.com>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 17
Posted: Tue Nov 20 16:19:25 1990

In article <1990Nov17.035332.2193@cbnews.att.com> res@cbnews.att.com (Robert E. Stampfli) writes:
>
>Has any good CW guys tried this? Is it possible to copy Morse code tapping?
>--
>Rob Stampfli / att.com!stampfli (uucp@work) / kd8wk@w8cqk (packet radio)
>614-864-9377 / osu-cis.cis.ohio-state.edu!kd8wk!res (uucp@home)

American POW's held in N. Viet Nam did this (among other things).

Ref: The Passing of the Night. Gen. Robinson Riesner.

It would take me some time to be able to do it.

Ron
NW0U

From -4096664393919905766
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,86156ca2c1ed609b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,91ce70a2313ba823,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 114aac,91ce70a2313ba823,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,91ce70a2313ba823,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-20 08:16:08 PST

Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!snorkelwacker.mit.edu!apple!usc!wuarchive!zaphod.mps.ohio-state.edu!maverick.ksu.ksu.edu!rutgers!news.cs.indiana.edu!news.nd.edu!cartan!ndmath!nstar!w8grt!Jim.Grubs,.W8GRT
From: Jim.Grubs,.W8GRT@w8grt.fidonet.org (Jim Grubs, W8GRT)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Less Than Clean Fists
Message-ID: <562.274949E6@w8grt.fidonet.org>
Date: 20 Nov 90 16:16:08 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 21
Xref: gmdzi rec.radio.shortwave:2778 rec.ham-radio.swap:809 rec.ham-radio.packet:3076 rec.ham-radio:17058
Posted: Tue Nov 20 17:16:08 1990

> From: plb@dcdwest.uucp (Phil Blais)
> Date: 19 Nov 90 23:30:09 GMT
> Organization: ITT Defense Communications Division - West
> Message-ID: <1990Nov19.233009.22195@dcdwest.uucp>
> Newsgroups: rec.ham-radio
>
>
> Wadda ya do when...
>
> So... I'd like to poll the net and request responses which answer the
> question - "How do I tactifully get out of this mess without pissing
> this
> guy off?"

Tell him the baby is crying...

--
Jim Grubs, W8GRT - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!Jim.Grubs,.W8GRT
INTERNET: Jim.Grubs,.W8GRT@w8grt.fidonet.org

From -6470112827025161985
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a690c0b1cfd3bda1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-20 08:27:56 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!sdd.hp.com!hp-pcd!hpcvra.cv.hp.com!steveh
From: steveh@hpcvra.cv.hp.com.CV.HP.COM (Steve Harper)
Newsgroups: rec.ham-radio
Subject: Re: HP-48sx Code program ...
Message-ID: <26180001@hpcvra.cv.hp.com.CV.HP.COM>
Date: 20 Nov 90 16:27:56 GMT
References: <126903@tiger.oxy.edu>
Organization: Hewlett-Packard Co., Corvallis, OR, USA
Lines: 384

Posted: Tue Nov 20 17:27:56 1990

CW: A Morse Code Practice Program for the HP-48SX

CW is a directory containing several programs and variables which comprise a capable Morse code practice system for the user. The program can send code using the beeper at speeds slightly over 20 words per minute continuously, without encountering delays due to calculator "garbage collection". The user can set the overall speed and element speed independently, or can manually set the timing and delay for each element type. The program will create, send, and display five character random code groups, or the user can store any size string in a variable to be sent and displayed manually. The following descriptions explain the programs and variables and their use.

CGR (Code GRoups) is a program which creates a string of 25 five character random groups, sends them using the present speed parameters, and then displays them so the user can check his copy. The characters are selected from a string in CGR which contains all the characters and prosigns used in amateur radio license tests. If the user wishes to practice only certain characters, this string can be changed with 'CGR' RCL EDIT or 'CGR' VISIT and the groups will then include only the characters from the modified string.

SPD (SPeeD) is a program which calculates and sets the various parameters affecting the timing of each type of element. The program prompts the user for the overall speed in words per minute and the element speed, also in words per minute. After entering these two numbers on the stack, the user presses [LSHFT] CONT and the program stores values in ST, LT, ET, CT, and WT. SPD will not signal an error if speeds are set too high or if element speed is less than overall speed, but one of the values in ST, LT, etc. will be set to zero or negative and CWO will halt or hang. Calculator speed and overhead as well as time to do the garbage collect operation limit the speed to slightly more than 20 wpm if overall and element speeds are the same. If the element speed is set faster than the overall speed, somewhat higher speeds can be reached, 26 wpm overall with 29 wpm element speed being about the maximum in any case. The speed will be quite accurate, within 1% or so in most cases. The user can measure the speed if desired by storing the string "paris paris paris ..." in TXT and using a stopwatch to time from the first element of a word to the same first element a few words later. Divide the number of words timed by the number of seconds on the stopwatch and then multiply that by 60 to obtain the speed in words per minute.

CWO (CW Output) is the program which actually sends the Morse code using the beeper. CWO sends the characters contained in the string TXT. TXT is set and CWO is called automatically by the

CGR program, but the user can set TXT and then execute CWO manually to practice something other than random code groups.

DSP (DiSPlay) is a program which displays a screenful of characters from the TXT string. CGR calls this program to display the code groups it creates and sends. If TXT is more than one screen long, DSP halts after each successive screen. The user can view the next screen by pressing [LSHFT] CONT.

TXT (TeXT) is a variable which contains a string which will be sent as Morse code by the CWO program. Any ACSII character with decimal code 32 through 128 can be contained in TXT. Characters that have no representation in Morse code will be sent as a space. Note that some of the radio prosigns which have no representation in ASCII have been placed on some of those characters. For a listing of these, see the CODE variable. Note that lower case characters are folded into upper case.

CODE (CODE) is a variable which contains a list of short programs, one for each character. CWO disassembles this list on the stack before sending so that it can access the character codes much more quickly than by other methods. Prosigns which have no associated ASCII character are rather arbitrarily placed on the following characters:

understood (SN)	!
error (HH)	#
paragraph (AL)	*
starting signal (KA)	[
wait (AS)	\
end of work (SK)	]

ST (Short Time) is a numeric variable containing the basic element (dit) time in seconds, normally set at 1.2/WPM.

LT (Long Time) is a numeric variable containing the longer element (dah) time, set at 3*ST.

ET (interElement Time) is a numeric variable containing the delay time between elements. This is generally set at the same value as ST, less the calculator overhead time between elements, .04 sec.

CT (Character Time) is a numeric variable containing the delay time between characters. This is usually set to the same value as LT, adjusted for various calculator overhead times in the program.

WT (Word Time) is a numeric variable containing the delay time between words. This is normally set to 7*ST, adjusted for various calculator overhead delays.

FR (FRequency) is the frequency in hertz of the beeper.

Set at 500 hertz, but the user may store any value which suits individual taste.

S (Short beep) is a program which actually sends a single dit element. The user will not use this program.

L (Long beep) is a program which actually sends a single dah element. The user will not use this program.

W (Word wait) is a program which generates the delay for a space character. The user will not use this program.

```
%%HP: T(3)A(D)F(.);
DIR
  CGR
    \<< "" 1 25
      START 1 5
        START
"+,./0123456789=?ABCDEFGHIJKLMNOPQRSTUVWXYZ]"
RAND OVER SIZE * IP
1 + DUP SUB +
        NEXT " " +
      NEXT 'TXT'
STO CWO DSP
    \>>
  SPD
    \<<
"Enter overall wpm and
element wpm, then CONT"
PROMPT 1.2 SWAP /
'ST' STO ST 3 *
'LT' STO ST .04 -
'ET' STO 60 SWAP /
31 ST * - 19 ET * +
19 / 'WT' STO WT 3
* ET 4 * - .04 -
.117 - 'CT' STO
    \>>
  CWO
    \<< CLEAR CODE
OBJ\-> TXT 1 OVER
SIZE
      FOR I MEM
DROP DUP I DUP SUB
NUM 29 - PICK EVAL
CT WAIT
      NEXT CLEAR
    \>>
  DSP
    \<< 0 TXT SIZE
154 /
```

```
      FOR S
        IF S
        THEN HALT
        END S 154 *
1 + 1 7
        FOR N 22 +
TXT OVER DUP 22 -
SWAP 1 - SUB N DISP
        NEXT 3
FREEZE DROP
      NEXT
    \>>
  TXT
"PARIS PARIS PARIS PARIS PARIS PARIS PARIS PARIS PARIS PARIS PARIS PARIS PARIS
PARIS PARIS PARIS PARIS PARIS PARIS PARIS PARIS PARIS PARIS PARIS PARIS PARIS
PARIS PARIS PARIS PARIS PARIS PARIS "
  CODE {
    \<< W
    \>>
    \<< W
    \>>
    \<< W
    \>>
    \<< W
    \>>
    \<< W
    \>>
    \<< L L S S
    \>>
    \<< L S L L
    \>>
    \<< L S S L
    \>>
    \<< S L L
    \>>
    \<< S S S L
    \>>
    \<< S S L
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  \<< L L L S S
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  \>>
  \<< S L S S L S
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  \<< S S S L S
  \>>
  \<< W
  \>> }
 ST .08
 LT .24
```

```
  ET .04
  CT .043
  WT .12
  FR 500
  S
    \<< FR ST BEEP ET
WAIT
    \>>
  L
    \<< FR LT BEEP ET
WAIT
    \>>
  W
    \<< FR 0 BEEP WT
WAIT
    \>>
END
```

From 3604320709936142129
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2fc7c38e8fdf60a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-20 09:27:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!mips!wdl1.wdl.fac.com!wdl1!engle
From: engle@wdl1.wdl.fac.com (David Engle)
Newsgroups: rec.ham-radio
Subject: Re: Preliminary call for discussion: rec.ham-radio legal
Message-ID: <1990Nov20.172750.20514@wdl1.wdl.fac.com>
Date: 20 Nov 90 17:27:50 GMT
References: <11470.2746eb6e@ecs.umass.edu> <1557@ke4zv.UUCP>
Sender: root@wdl1.wdl.fac.com (SUPER USER)
Organization: Ford Aerospace
Lines: 17
Posted: Tue Nov 20 18:27:50 1990
Nntp-Posting-Host: wdl1

>of rec.ham-radio into an argumenative group and a bland lifeless
>noncontroversial group. It would be easier to manage a subgroup named
>rec.ham-radio.bland than a rec.ham-radio.legal and would tend to keep the
>crosspostings to a minimum in the rec.ham-radio base group. Think about
>it.
>
>Gary KE4ZV

How about rec.ham-radio.tech? Leave the endless discussions here rather
than try to get them to move.

Dave KE6ZE

--
David Engle, KE6ZE - engle@wdl1.wdl.fac.com - 408/473-4419 @ work

Facts, what facts? I don't got to show you no stinking facts.
These are opinions expressed here.

From -5159514701224546818
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62bfe6a62120edf6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-20 10:10:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!network.ucsd.edu!brent
From: brent@network.ucsd.edu (Brent Jones)
Newsgroups: rec.ham-radio
Subject: Re: TH-75A mods for extended UHF
Message-ID: <4046@network.ucsd.edu>
Date: 20 Nov 90 18:10:25 GMT
References: <126904@tiger.oxy.edu>
Organization: Ich geh' kaput. Kommst du mit?
Lines: 42
Posted: Tue Nov 20 19:10:25 1990

In article <126904@tiger.oxy.edu> d_reeves@oxy.edu (Bryan Douglas Reeves) writes:
>Q: It is possible/how does one modify the Kenwood TH-75A to recieve
>   beyond 450MHz up to at least 465? Is there a matching Xmit Mod?

Yes. I don't recommend doing the mod without the service manual in front of you.

Referring to page 54 of the service manual, open the radio by removing the screws above and below the PTT, the one screw on the opposite side of the radio, and the two front battery plate screws. Lift the front assembly off. Looking at the board in the front assembly (the control unil board), near the bottom left corner of the main CPU is a jumper wire. It's the only one on the board. Cut it. In the same location of the wire are three diodes in this configuration:

```
                   D4
                    o D3
                    r6   o
                    r34  D2
```

You need to remove D4. The resistors are shown here for reference, and the "o's" mark the point which the wire connects. This will, BTW, give you all the VHF out of band TX/RX coverage also.

This will give you coverage (where the VCO locks) from about 380MHz to 458MHz as it sits. The actual passband of the front end is about a 35MHz window in that range. The next step is to re-align the VCO for your desired frequency, and also the front end if you plan on hearing anything above 458. You MUST have the service manual to go digging for the VCO and the front end trimmers. It's not too difficult to get to, but there are a LOT of screws to remove, and you will need to re-connect the PC board jumpers so you can turn the radio on while having the boards lying out on your workbench.

It is possible and relatively easy to re-align everything for coverage from 435 to 475 MHz RX/TX. It works well with adequate power out and good sensitivity across the whole range.

This mod is posted without any written or implied guarantee from either me or Kenwood, and you perform it at your own risk.

Brent

From 8722323564093913477
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f80f112bdf01ec4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-20 11:50:12 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Derek Wills)
Newsgroups: rec.ham-radio
Subject: WN4KKN/ZP5
Message-ID: <40002@ut-emx.uucp>
Date: 20 Nov 90 19:50:12 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 15
Posted: Tue Nov 20 20:50:12 1990

Netperson Trey WN4KKN will be operating ZP0Y during the CQWW contest this weekend. He is already in Paraguay, and I heard him on 10 and 15m within the last hour. Trey will also be doing some WARC band operation before and after the contest. QSL non-contest contacts (i.e. WN4KKN/ZP5) via AA5BT. For contest QSOs (ZP0Y), QSL via ZP5JCY, which means via LU8DPM - a slower but still reliable route.

Give Trey a call on as many bands as you can in the contest!

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From -7060404497449693576
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7d730f11bdaf2376,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-20 12:33:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)

Newsgroups: rec.ham-radio
Subject: Re: Questions on Phased Verticals (long)
Message-ID: <1250275@hpnmdla.HP.COM>
Date: 20 Nov 90 20:33:39 GMT
References: <8304@gollum.twg.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 23
Posted: Tue Nov 20 21:33:39 1990

Re: two 1/4-wave verticals phased 90 degrees:

Note that the feedpoint impedance of the two antennas will not be the same. If you just run a 1/4 wave feedline between them, then even if you do somehow get the total feedpoint impedance to equal 50 ohms, you almost for sure will not have equal currents in each antenna.

Here's how I would do it. Build a matching network at the base of each antenna (PI-network, or whatever). Match each antenna to 50 ohms (with SWR meter) with the other antenna disconnected (open). Now connect each antenna to a common "Y" feedpoint, using 50-ohm coax. Make one coax 1/4 wave longer than the other. (Don't forget velocity factor.) Connect a transmitter to the "Y". Now, with an SWR meter at the base of each antenna, adjust each matching network for 1:1 SWR. There will be interaction, so you will have to iterate a number of times.

When you are finished, you will have a 25-ohm feedpoint impedance at the "Y", which can be matched to 50 ohms with another matching network. Each antenna should now have the same power being radiated, so the cardiod pattern should be correct.

AL N1AL

From -1643258574068278000
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,66918b954011af4b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,66918b954011af4b,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-11-20 13:01:07 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!mintaka!
snorkelwacker.mit.edu!usc!chaph.usc.edu!girtab.usc.edu!asplund
From: asplund@girtab.usc.edu (Daryl)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Heath/Standard
Keywords: heath, standard
Message-ID: <13256@chaph.usc.edu>
Date: 20 Nov 90 21:01:07 GMT
Sender: news@chaph.usc.edu
Followup-To: rec.ham-radio
Organization: University of Southern California, Los Angeles, CA
Lines: 16

Xref: gmdzi rec.ham-radio:17048 rec.radio.shortwave:2771
Posted: Tue Nov 20 22:01:07 1990
Nntp-Posting-Host: girtab.usc.edu
Originator: asplund@girtab.usc.edu

Hello all,

I would appreciate hearing from anyone who has had experience with the Heath HW-24 series mobile rigs. I am interested in purchasing one as a gift (for an uncle), but would like some input before sepending such a large amount of money.

BTW, I think the version (made by Standard) in Japan is the C5200D.

Please send your responses directly to me: asplund@girtab.usc.edu

Thanks in advance for the help.
--Daryl

From -4270750939887450953
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b4f79ab584390a8f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,b4f79ab584390a8f
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-11-20 13:02:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!isi.edu!wlf.isi.edu!rogers
From: rogers@wlf.isi.edu (Craig Milo Rogers)
Newsgroups: rec.ham-radio,sci.space
Subject: Re: Congrats to Ted Molczan
Message-ID: <15754@venera.isi.edu>
Date: 20 Nov 90 21:02:32 GMT
References: <4213@otis.oakhill.UUCP>
Sender: news@isi.edu
Reply-To: rogers@wlf.isi.edu.UUCP (Craig Milo Rogers)
Organization: USC-Information Sciences Institute
Lines: 10
Xref: gmdzi rec.ham-radio:17063 sci.space:17689
Posted: Tue Nov 20 22:02:32 1990

In article <4213@otis.oakhill.UUCP> charlie@oakhill.UUCP (Charlie Thompson) writes:
>I picked up a copy of the Washington Post today and noticed
>that fellow satellite chaser Ted Molczan made the 'Around the Nation'
...

I noticed a similar article in the Los Angeles Times. It was attributed to United Press International. Do you suppose UPI treats the Usenet as an incoming newsfeed?

Craig Milo Rogers

From 3490906634679488251
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,21b5a1dc1fb8cbe0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-20 13:16:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9011202116.AA09078@tilde>
Date: 20 Nov 90 21:16:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 41
Posted: Tue Nov 20 22:16:00 1990

In <tjr@cbnewsm.att.com (theodore.j.roycraft)> Ted writes:

Re: CMOS Super Keyer II QST Article -- advertisement in disguise?

(Lots deleted)

>The only thing that bothers me about it is that the
>article was presented in QST as a construction project and there
>is no way that you could build it without buying the preprogrammed
>microprocessor from the author's agent because as the original
>poster mentioned, there was no source code provided for the
>microprocessor in the article. If all you wanted was a good quality
>keyer with a lot of features at a reasonable price, then this article
>told you how to go about getting one but if you expected to actually
>be able to build the keyer, understand how it works and possibly modify
>it (as you could do for just about any other construction project),
>then you were out of luck. These are reasonable expectations for a
>construction project. This was also a missed opportunity to learn
>how to design projects using this (obviously) useful microprocessor.

I don't think this is much different from "construction" articles in other mags. I see basically the same kind of projects in Popular Electronics and Radio Electronics. Anytime an LSI chip is used in a project, the inner workings of it may be proprietary, so that the publisher can't divulge the "how it works" details even if he wanted to. We use lots of chips in projects without really knowing what's going on inside of them. If you think of them as "functional blocks" that you need to accomplish some portion of a larger project, then there's no need. The worst case occurs when the whole shebang in on a single (perhaps proprietary) chip, In this case, there's not much we can do except to call or write the chip mfgr and ask specific questions about what we want to modify.

Thanks for these postings. I've been wondering if I should try to build one of these keyers. I've been burned in the past by projects that seemed great, only to find that they took weeks of troubleshooting to correct errors made either by the author or the editor. I'm glad to know that this project is free of such errors and that the parts really are available.

73,
Dube N5PDK

From 3345918106092048526
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,21b5a1dc1fb8cbe0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-20 13:27:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9011202127.AA09498@tilde>
Date: 20 Nov 90 21:27:02 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 36
Posted: Tue Nov 20 22:27:02 1990

In <plb@dcdwest.uucp (Phil Blais)> Phil writes

Re: Less Than Clean Fists

>Wadda ya do when...
>
>You call CQ (cw mode) and station XYZ answers - absolutely gorgeous signal.
>You finish the first exchange, having told him he's RST 599 plus 20 into
>Timbucktwo and then send it back to him KN.
>
>Now XYZ comes back for his/her first exchange. After the first couple of
>words or so you soon realize that this is not gonna be one of those "vy fb
>qso's" cuz XWZ's fist is obviously afflicted with both a lisp and a stutter
>and you'll have learned an entirely different version of morse by the time
>this qso ends :-)
>
>So... I'd like to poll the net and request responses which answer the
>question - "How do I tactifully get out of this mess without pissing this
>guy off?"

Well, you could send a SRI HV TO GO BT TNX QSO. 73 ES BCNU....

BTW, what's wrong with a using a little patience? If the idea is to communicate with other Hams while increasing BOTH our skills, I see no reason to beg off so suddenly. You could also ask how he's sending at such a different fist. IMHO most wouldn't mind telling you that they were not too good on the key and wanted to make some of the QSO easier for you. Right after that, they may also say that they are working to improve their fists.

(Derek, if you're reading this, "he" is being used in accordance with the rules of English, and not as an insensitive slight to our female Hams)

Let's give 'em some encouragement, not harassment.

73,
Dube   N5PDK

From 1548561069651192408
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9be0ce3a4374e7dd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-20 14:32:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!XEROX.COM!Robert_S._Karz.Wbst311
From: Robert_S._Karz.Wbst311@XEROX.COM
Newsgroups: rec.ham-radio
Subject: CMOS Super Keyer II, 11/90 QST
Message-ID: <"20-Nov-90.17:32:46.EST".*.Robert_S._Karz.Wbst311@Xerox.com>
Date: 20 Nov 90 22:32:46 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 34
Posted: Tue Nov 20 23:32:46 1990

Tad,

Like you, as soon as I layed eyes on that article, I knew I HAD TO HAVE this keyer. I sent in my $48 (yes, I also thought it was a bit pricey) on Saturday, November 3, had the parts kit Friday, November 9, and fired it up Thursday, November 15. The "OK" in CW from the microprocessor is quite a surprise the first time (hi hi). I've tried just about all the features, and I'd give it very high grades. Being able to set and read the speed and being able to switch keyer polarity are the most useful. I tried using the "break" feature in the memory that allows insertion of variable info into the string (such as RST or call signs), but I found that you'd better not make a mistake or you'll find yourself doing the rest of the exchange with the paddle.

As for the case, I used a Radio Shack project case (5" X 2 1/2" X 1 1/2"), and it barely fit. The circuit board is tiny, but the batteries, speaker, stereo jack (for the key paddle), pot, four control switches, and phono jack (for the output) all take up room. I now see why the case in the QST article is exactly twice the size! I ended up mounting the switches and the circuit board on the left half of the aluminum face plate which forms the top of the otherwise plastic case, the speaker on the right half of the face plate, the battery pack below the circuit board (and glued to the bottom of the case), and the pot and two jacks below the speaker. I used a 1 1/2" speaker with the pot in front, the paddle jack on the right end of the case, and the phono jack output on the back side.

Its a great keyer. I have had no RF problems whatever, even running next to my Dentron KW amplifier.

I enjoyed your note and would like to hear if anyone else has built the keyer.
 Should be great in the next CW contest!

73

Bob Karz, K2OID

```
From -3248579981620334377
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a2729461f55c1454
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-20 15:48:29 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!
bionet!synoptics!jkaidor
From: jkaidor@synoptics.COM (Jerome Kaidor)
Newsgroups: rec.ham-radio
Subject: Re: Need all kinds of HELP.
Message-ID: <22099@mvis1.com>
Date: 20 Nov 90 23:48:29 GMT
References: <273@dean1.usma.edu> <1559@ke4zv.UUCP>
Organization: SynOptics Communications Inc. Mountain View, Ca.
Lines: 14
Posted: Wed Nov 21 00:48:29 1990
```

In article <1559@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
... lots of interesting stuff about Kantronics and MFJ TNCs...
>   .....The MFJ 1270, 1270B, and 1274 are TAPR TNC-2 compatible.
>The 1278 is not.

The '1278 can be _MADE_ TNC-2 compatible by pulling out a couple of ICs and replacing them with DIP headers. This is described in appendix E of the current (Revision 9) manual. Then a NET/ROM etc can be plugged in. I assume that this throws away all the '1278-specific features, in particular the non-packet operating modes...

     - Jerry Kaidor, KF6VB
p.s. I know this 'cuz I just bought one _today_, and I'm sitting here with the manual in front of me. Can't wait to get home!

```
From 4370184347850252204
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,86156ca2c1ed609b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-20 16:34:37 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
```

elroy.jpl.nasa.gov!decwrl!mejac!orchard.la.locus.com!prodnet.la.locus.com!lando.la.locus.com!dana
From: dana@lando.la.locus.com (Dana H. Myers)
Newsgroups: rec.ham-radio
Subject: Re: Less Than Clean Fists
Message-ID: <19771@oolong.la.locus.com>
Date: 21 Nov 90 00:34:37 GMT
References: <1990Nov19.233009.22195@dcdwest.uucp>
Sender: news@locus.com
Organization: Locus Computing Corporation, Inglewood, CA
Lines: 22
Posted: Wed Nov 21 01:34:37 1990

In article <1990Nov19.233009.22195@dcdwest.uucp> plb@dcdwest.uucp (Phil Blais) writes:
>Wadda ya do when...
[qso going along when...]
>Now XYZ comes back for his/her first exchange. After the first couple of
>words or so you soon realize that this is not gonna be one of those "vy fb
>qso's" cuz XWZ's fist is obviously afflicted with both a lisp and a stutter
>and you'll have learned an entirely different version of morse by the time
>this qso ends :-)
>
>So... I'd like to poll the net and request responses which answer the
>question - "How do I tactifully get out of this mess without pissing this
>guy off?"

While sending to him, gradually reduce your carrier level until you hit zero.

```
/*
 * Dana H. Myers KK6JQ      | Views expressed here are  *
 * (213) 337-5136      | mine and do not necessarily    *
 * dana@locus.com      | reflect those of my employer   *
 */
```

From -2738102922074598682
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae6341b5bb44c377,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-20 16:34:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: IC24AT mod
Message-ID: <9011210035.AA27132@ucsd.edu>
Date: 21 Nov 90 00:34:51 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 3

Posted: Wed Nov 21 01:34:51 1990

I'm not sure if this went by and I missed it, or if it exists, but is
there a mod for the IC24 to allow TRANSMIT on 430 through 450 MHz?
thanx, and 73, doug.

From -4104151532429073280
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f9532,13bcf33ffd0d101e,start
X-Google-Attributes: gidf9532,public
X-Google-Thread: 10c9e3,13bcf33ffd0d101e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaab,13bcf33ffd0d101e,start
X-Google-Attributes: gid10aaab,public
X-Google-Thread: f76e2,13bcf33ffd0d101e,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 114aac,13bcf33ffd0d101e,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,13bcf33ffd0d101e,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10a893,13bcf33ffd0d101e,start
X-Google-Attributes: gid10a893,public
X-Google-ArrivalTime: 1990-11-20 18:08:36 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!att!linac!pacific.mps.ohio-state.edu!
zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!uflorida!gatech!udel!princeton!
pucc!VANROOJE
From: VANROOJE@pucc.Princeton.EDU (Mark Van Roojen)
Newsgroups: alt.books.technical,nj.wanted,misc.wanted,rec.ham-
radio.packet,rec.ham-radio,rec.radio.shortwave,rec.ham-radio.swap
Subject: Hallicrafters SX62 manual
Message-ID: <12082@pucc.Princeton.EDU>
Date: 21 Nov 90 02:08:36 GMT
Expires: 1 Dec 90
Reply-To: VANROOJE@pucc.Princeton.EDU
Organization: Princeton University, NJ
Lines: 3
Xref: gmdzi alt.books.technical:57 misc.wanted:6041 rec.ham-radio.packet:3091
rec.ham-radio:17125 rec.radio.shortwave:2829 rec.ham-radio.swap:818
Posted: Wed Nov 21 03:08:36 1990
Disclaimer: Author bears full responsibility for contents of this article

I'm looking for a manual for an old Hallicrafters SX62 radio. A photocopy woul
d do as well as an original. I would, of course pay for copying costs. Thank
you in advance! Mark van Roojen (609) 921-8171; vanrooje@pucc.princeton.edu

From -4487647299970776309
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,86f392f936a82a26
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-20 19:17:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!

elroy.jpl.nasa.gov!ncar!asuvax!anasaz!qip!rusty
From: rusty@qip.UUCP (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: Callsign project
Message-ID: <5492@qip.UUCP>
Date: 21 Nov 90 03:17:55 GMT
References: <5478@qip.UUCP>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 25
Posted: Wed Nov 21 04:17:55 1990

In article <5478@qip.UUCP> rusty@qip.UUCP (Rusty Carruth) writes:
>I was talking to John Moore NJ7E today, and he asked me how the callsign
>project was going. I told him, and he panicked....

well, I sit corrected :-)

I talked to John again today and he took issue with my description of
what happened. Yup, he is right - he did not panic. Sorry, I got
carried away... (Does poetic license extend to usenet news articles? :-)

So, let me set the issue straight:

John DID NOT PANIC.

Thanks.

(and i vote YES YES YES a Thousand times YES (well, at least one yes, anyway),
to Jay's suggestion of rec.ham-radio.legal)

--
+++ 73 de N7IKQ +++
Rusty Carruth   {ames!ncar!noao!asuvax,mcdphx}!anasaz!rusty
P.O. Box 27001, Tempe, AZ 85285   anasaz!rusty@asuvax.eas.asu.edu
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz
The Ham Callsign Project, part 3 (the 1990 version) - its HERE! Email for info

---

From -936007162813244480
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,86f392f936a82a26
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-20 19:30:47 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
elroy.jpl.nasa.gov!ncar!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Callsign project
Message-ID: <5493@qip.UUCP>
Date: 21 Nov 90 03:30:47 GMT
References: <5478@qip.UUCP> <5492@qip.UUCP>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 22

Posted: Wed Nov 21 04:30:47 1990

In article <5492@qip.UUCP> rusty@qip.UUCP (Rusty Carruth) writes:
]In article <5478@qip.UUCP> rusty@qip.UUCP (Rusty Carruth) writes:
]So, let me set the issue straight:
]
]   John DID NOT PANIC.

Thank you for setting the record straight!

However, John IS concerned that Rusty will not be able to buy his
dual bander, because he is way short of covering costs on the
callsign project. I'm also concerned because if Rusty loses his
dual bander, he sure isn't going to do the call sign project again!

So please - get in on the project (contact Rusty). If use use one
of the callsign servers derived from his tapes, please send him
a little contribution! Think of it as Shareware.
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From -7058561791804300648
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2fc7c38e8fdf60a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-20 19:49:24 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Preliminary call for discussion: rec.ham-radio legal
Message-ID: <1990Nov21.034924.1417@ux1.cso.uiuc.edu>
Date: 21 Nov 90 03:49:24 GMT
References: <1557@ke4zv.UUCP> <11470.2746eb6e@ecs.umass.edu>
<1990Nov20.100747@koning.enet.dec.com>
Organization: University of Illinois at Urbana
Lines: 43
Posted: Wed Nov 21 04:49:24 1990

koning@koning.enet.dec.com (Paul Koning) writes:

>I don't see the point in having another newsgroup. If the purpose
>is to be what the name says -- discussion about legal aspects --
>then I'd say it is directly relevant to ham radio in general and
>there is no sense in sticking it out in a group of its own.

Packet radio is relevant to ham radio in general. For ANY group all
subtopics are relevant in some way. This is an argument for usenet
to limit itself to two levels of hierarchy and large flat newsgroups.

The question might be better posed as: Is it relevant to the majority
of the people who discuss ham radio in general. If r.h-r.legal is going
to have everyone reading it as r.h-r, then there is no need to split.
for those (such as myself) who will read r.h-r.legal, there will be no
reduction in the number of articles to pick through. But I really suspect
that many will not read it.

But there is the issue of whether or not we want all legal issues in the
subgroup or just those that pertain to the FCC.

>If the purpose is to segregate flaming (as opposed to real discussions)
>then (a) the name is wrong, (b) it won't work anyway. The code/nocode
>meatheads are not likely to have the good sense to keep their flaming
>in the rec.ham-radio.useless-flaming newsgroup!

If you segregate flaming for the sake of flaming, of course no one will
flame there. But if the subject has merit, then it will work, I believe.
Part of the reason for flaming in the first place is people who really
have no interest in what they posted in, posting something off the wall
and getting someone else ticked off. I believe that if you make it easier
for some people to NOT read some articles, then the number of flames will
go down. I believe that if we had this group all along, and if no one
posted anything FOR EITHER SIDE anywhere other than r.h-r.legal then many
would not have read the issue at all and would not have posted something
that someone else considered worth flaming on.

I'm still for rec.ham-radio.legal or rec.ham-radio.fcc whichever seems
the more appriate. Most things will fit under both.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 4929036289313909339
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4864256cab9be3a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-20 20:11:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!
nosc!crash!ipars!scotto
From: scotto@ipars.UUCP (Scott O'Connell)
Newsgroups: rec.ham-radio
Subject: Kenwood TM431A mods
Message-ID: <4@ipars.UUCP>
Date: 21 Nov 90 04:11:02 GMT
Reply-To: scotto@ipars.cts.com (Scott O'Connell)
Organization: Tamin Computer Services
Lines: 19
Posted: Wed Nov 21 05:11:02 1990

I am looking for out of band modification info for the Kenwood TM431A
440MHz transceiver.

* * * * * * * * * * * * * *   DISCLAIMER   * * * * * * * * * * * * * * *

I do not intend to use this radio for commerical purposes. I use Motorola
radios for use on commerical bands.

* *

I plan to use the modification to allow me to fill my additional memory
locations (15) with commerical channels. I can then use the scanning
feature on my Kenwood.

I hope the above disclaimers will deter another round of modification
traffic. We've all been through it before.

Please E-Mail responses.

```
From 8012902967313499064
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,806b2c10e060ca4f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-20 21:20:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!think.com!sdd.hp.com!hplabs!hpcc05!
col!dunphy
From: dunphy@col.hp.com (Dan Dunphy)
Newsgroups: rec.ham-radio
Subject: Re: any qso with K1YVI?
Message-ID: <27080025@col.hp.com>
Date: 21 Nov 90 05:20:17 GMT
References: <27080024@col.hp.com>
Organization: HP Colorado Springs Division
Lines: 23
Posted: Wed Nov 21 06:20:17 1990
```

Wow, I got about 6 replies about K1YVI. One even found him in
a 1963 listing, strangely enough, that's when we were
together.
His name is Arnold J. (Mike) Molloy. We shared a mountian top off
the coast of new Guinea for 6 weeks in the winter of 62, 63
and listened to hams a lot on 20 meters. He was quite a bit older
than I, 30 or 35 then, an Air Force lifer.

I was brousing rec.ham-radio and thought of him, so i
inquired.

Thanks for the replys

 --
 --   ---

```
|   \  /   \  |\  | (My advice is probably worth what you paid
|   |  |___|  | \ |  for it!)
|___/  |   |  |  \|
```

Dan Dunphy
dunphy@col.hp.com

From -7540261553306059955
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7329bbb194e2e5d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-21 00:13:12 PST
Path: gmdzi!unido!mcsun!sunic!lth.se!newsuser
From: d89mb@efd.lth.se (Magnus Bodin)
Newsgroups: rec.ham-radio
Subject: WANTED: Distance formulas
Message-ID: <1990Nov21.081312.15582@lth.se>
Date: 21 Nov 90 08:13:12 GMT
Sender: newsuser@lth.se (LTH network news server)
Reply-To: d89mb@efd.lth.se (Magnus Bodin)
Organization: Institute of Tychology, Sweden
Lines: 16
Posted: Wed Nov 21 09:13:12 1990

Is there anyone who's got good mathematical formulas for
distance calculation between points on earth taking the
ellipsiodical geometry into account?

Takelr|,

Magnus

```
--
Magnus Bodin                "Nec fasces, nec opes,
Institute of Tychology,      sola artis sceptra perennant"
Box 5127, 220 05 Sweden      (Tycho Brahe, Stj{rneborg 1584)
```

From 4909805576001328689
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e5f48e1db4b872f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-21 02:09:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!umich!samsung!
uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpcc05!hpcuhb!hpsqf!hpqmola!hpqmole!
dstock
From: dstock@hpqmole.sqf.hp.com (David Stockton)

Newsgroups: rec.ham-radio
Subject: Re: Prescaler chip info needed
Message-ID: <410009@hpqmole.sqf.hp.com>
Date: 21 Nov 90 10:09:34 GMT
References: <150427.11506@timbuk.cray.com>
Organization: HP,Queensferry Microwave UK
Lines: 4
Posted: Wed Nov 21 11:09:34 1990

Also try Motorola and Plessey data books for lower power devices

73 GM4ZNX

From -1425374087586091260
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4851e7f81ed6544d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-21 04:10:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ncar!umigw!rsmas!eakin
From: eakin@rsmas.miami.edu
Newsgroups: rec.ham-radio
Subject: States where radar detectors are illegal?
Message-ID: <10910.274a368f@rsmas.miami.edu>
Date: 21 Nov 90 12:10:55 GMT
Lines: 13
Posted: Wed Nov 21 13:10:55 1990

As long as this is still the place for legal RF questions, I've have one:

I seem to remember that radar detectors are illegal in Virginia, a friend says its Maryland. Does anyone know? I hope we're not both right, I'm moving up there soon.

73 de Mark

--
C. Mark Eakin
Internet: Eakin@RSMAS.miami.edu
Amateur Radio: N4SYK   Packet Radio: N4SYK@AB4LU.FL.USA.NA
USnail: Univ. of Miami, RSMAS-BLR, 4600 Rickenbacker Cswy. Miami, FL 33149-1098

From 4509656454693136900
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,689b3edf948151e0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 08:15:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!rutgers!orstcs!usenet!yoko!dr_who
From: dr_who@yoko.stat.orst.edu (Ron Stillinger)

Newsgroups: rec.ham-radio
Subject: CE0ZZZ on AO-13 and AO-10
Message-ID: <1990Nov14.161508.1044@scion.CS.ORST.EDU>
Date: 14 Nov 90 16:15:08 GMT
Sender: @scion.CS.ORST.EDU
Organization: Oregon State University
Lines: 21
Posted: Wed Nov 14 17:15:08 1990
Originator: dr_who@yoko
Nntp-Posting-Host: stat.orst.edu

Hello Oscar users -----

Just a reminder - CE0ZZZ [Juan Fernandez Is.] is on AO-13 and AO-10 on a downlink of 145.890, until This Sunday. QSL via KL7GRF for satellite contacts only -- No QSL via the bureau.

They are also on the HF bands, but I don't know what freq. Just look for the Pile-up's.

Hope to see you on the Birds --

Ron K7HDK

stillinger@stat.orst.edu

-- or --

dr_who@stat.orst.edu

From 5640392415104078662
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1f6ce32ced218c9f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 08:24:40 PST
Path: gmdzi!unido!mcsun!uunet!sbi!zeus!newt!jl
From: jl@newt.sbi.com (Jean-Louis Ecochard)
Newsgroups: rec.ham-radio
Subject: ICOM receivers: R9000 or R71A and R7000
Keywords: ICOM Receivers
Message-ID: <378@chi.newt.sbi.com>
Date: 14 Nov 90 16:24:40 GMT
Organization: Systems Integration - Salomon Brothers, NY
Lines: 36
Posted: Wed Nov 14 17:24:40 1990

I would appreciate receiving e-mail discussing the following question. I will post the results if they are of general interest.

I am looking for the ultimate quality in a general coverage
receiving system (i.e. .1Mhz to 200Mhz or better) capable of
receiving all modes in use (AM/FM/USB/LSB/CW/RTTY/FAX/etc.).
I need very good sensitivity and selectivity to
DX distant weak signals. Assume that I will have access to an antenna
farm. I will interface to a PC. The question is:
Do I buy the ICOM R71A (.1Mhz to 30Mhz) and the R7000
(25Mhz to 2000Mhz) cost ~$1600
or do I buy a second hand ICOM R9000 (AUG 89) (.1Mhz to 2000Mhz)
with a CRIS 6000 for $4,200
Obviously there is a difference in price, but the R9000
has also plenty of good stuff (i.e. spectrum analyser)

I anyone using an R9000 ? What is your impression ?
I anyone using an R7000 ? What is your impression ?
I anyone using an R71A ? What is your impression ?

Again, I am looking for very good selectivity and
sensitivity.

May be someone will suggest a different setup
(Yaesu, Kenwood, etc.)
Someone suggested the AOR 3000 scanner but I am ruling
it out because of its poor signal separation and the
lower quality of its SW portion.

Tahnks for the replies

```
--
Jean-Louis Ecochard                 O
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~./_\.~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
                                 (__Y__)                 uunet!sbi!chi!jl
```

From -3551654019925480688
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a011f72ab22bd3f0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 08:32:30 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!skvax1.csc.ti.com!anderson
From: anderson@skvax1.csc.ti.com (John H. Anderson N5OPY)
Newsgroups: rec.ham-radio
Subject: PBBS addresses that go with calls.
Message-ID: <9011141632.AA22834@tilde>
Date: 14 Nov 90 16:32:30 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Wed Nov 14 17:32:30 1990

Is there a list maintained anywhere that shows what PBBS address a
particular amateur uses as his main PBBS.

This type of information would be good in the callbook, but I don't recall seeing it there.

I have been compiling a list of calls I see here, that have PBBS addresses associated with them. Has anyone else done a similar thing and have it online somewhere or is interested in such.

--
John H. Anderson, N5OPY
anderson@skvax1.csc.ti.com
N5OPY@N5LDD.TX.USA.NA

From 8181988230374307269
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,bab6645ffce651b2
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,bab6645ffce651b2
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,bab6645ffce651b2
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-14 08:44:56 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1531@ke4zv.UUCP>
Date: 14 Nov 90 16:44:56 GMT
References: <407.273EF137@w8grt.uucp>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Followup-To: rec.radio.shortwave
Organization: Gannett Technologies Group
Lines: 16
Xref: gmdzi rec.radio.shortwave:2705 rec.ham-radio.swap:789 rec.ham-radio.packet:3042 rec.ham-radio:16856
Posted: Wed Nov 14 17:44:56 1990

In article <407.273EF137@w8grt.uucp> jim.grubs@w8grt.uucp (Jim Grubs) writes:
>
>Also, I would reduce maximum power to 200 watts for everyone. There's no
>earthly need for more than that and hasn't been since hams quit operating on
>600 or 700 meters with rotary spark gap transmitters.

Don't forget the moonbouncers, they still need the power for that path unless they use truely monsterous antenna arrays and/or lots of DSP. And when they have the monster arrays and lots of DSP the truly wacko will want to try Mars bounce. :-)

```
Even at HF in the late summer when atmospheric noise is at maximum, extra
power is sometimes needed on 160 and 80 to make the circuit work. Power
is not evil, misuse of power is evil.

Gary KE4ZV



From -4211039349512240068
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d5f33337cabdcfad
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 08:51:30 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!netcom!mojo
From: mojo@netcom.UUCP (Morris Jones)
Newsgroups: rec.ham-radio
Subject: Re: Extra Class ?
Message-ID: <16819@netcom.UUCP>
Date: 14 Nov 90 16:51:30 GMT
References: <17190@shlump.nac.dec.com> <1133@tsdiag.ccur.com>
Organization: Netcom- The Bay Area's Public Access Unix System {408 241-9760
guest}
Lines: 21
Posted: Wed Nov 14 17:51:30 1990

davet@tsdiag.ccur.com (Dave Tiller N2KAU) writes:
>                                                    I'd like to see a license
>class or endorsement the translated into real respect for _proving_ that you
>possess the _spirit_ of amateur radio, not just the ability to memorize a
>multiple-guess question pool.

It can't be done because it can't be done objectively.  What you're left with
is a clique, a club of good-ol-boys, who are the only ones able to judge who
is the true "keeper of the flame" for the future.  Personalities will get
involved.  Feelings will be hurt and flames fanned.

Do you have something else in mind?  :)

Mojo AA4KB
(A1-Op ... how's this?)

--
mojo@netcom.UUCP          Site Coordinating Instructor, San Jose South
Morris "Mojo" Jones       Skilled Motorcycling And Rider Training (S.M.A.R.T.)
Campbell, CA              800-675-5559 ... 800-CC-RIDER
AA4KB @ N6LDL.#NOCAL.CA.USA.NA / aa4kb.ampr.org / netcom!mojo@apple.com



From 6490941621133077988
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f7d50eea31a7753
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9f7d50eea31a7753
X-Google-Attributes: gid114aac,public
```

X-Google-Thread: fddbf,9f7d50eea31a7753
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,9f7d50eea31a7753
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-14 08:55:40 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: 8mm. camcorders
Message-ID: <1532@ke4zv.UUCP>
Date: 14 Nov 90 16:55:40 GMT
References: <405.273E8DF4@w8grt.uucp> <YETSKO.90Nov13083828@interlan.interlan.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Followup-To: rec.radio.shortwave
Organization: Gannett Technologies Group
Lines: 29
Xref: gmdzi rec.radio.shortwave:2706 rec.ham-radio.swap:790 rec.ham-radio.packet:3043 rec.ham-radio:16857
Posted: Wed Nov 14 17:55:40 1990

In article <YETSKO.90Nov13083828@interlan.interlan.com>
yetsko@interlan.interlan.com writes:
>Just have her pick up a VHS camcorder and then an 8mm camcorder. Regardless
>of technical merit, 8mm is a big plus in weight. In addition, the 8mm cameras
>all seem to use those little tiny batteries available at Radio Shack for
>$30, not the mucho-bucks of the big camcorder batteries.
>
>You can get super VHS, or super-Beta camcorders, but 8mm gives as good
>a picture as your likely to see with home recording, and the sound is
>not linear on the tape. I bought a cheap 8mm and they do cost a lot
>more than most VHS stuff, but just have her TRY one, and you won't
>want anything else.
>
>Mike Yetsko
>N1DVJ

A comment by someone who uses cameras professionally. In broadcast news gathering, we find that the home cameras are too small and light to be used properly. The major thing that differentiates the amateur and the professional TV photographer is the steadiness and smoothness of the professional's pictures. The very small, very light home cameras are nearly impossible to operate steadily and smoothly. Our people prefer a camera that weighs at least 15 pounds and is balanced to be carried on the shoulder. Some of the latest professional cameras are considered to be too light by many of our people and you will see extra batteries taped to their cameras to regain the mass needed for steady work. So beware the tiny cameras, the shaky results may disapoint you. The picture quality is pretty good though.

Gary KE4ZV

From -5991098764636840558
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd82abe6ebe5be2a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 12:07:06 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!hplabs!hpl-opus!hpnmdla!carmijo
From: carmijo@hpnmdla.HP.COM (Chris Armijo)
Newsgroups: rec.ham-radio
Subject: Re: packet radio overview
Message-ID: <1250271@hpnmdla.HP.COM>
Date: 15 Nov 90 20:07:06 GMT
References: <1400@necis.UUCP>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 16
Posted: Thu Nov 15 21:07:06 1990

In rec.ham-radio, rbono@necis.UUCP (NM1D) writes:

An Amateur Packet Radio Overview

by

Rich Bono (NM1D)
....

Excellent article, Rich!!!

This was a one of the most concise, clearly written articles that I've seen on the net. Good job.

Chris "still learning about hamming" Armijo

From -3069630788136984155
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b4387f31195990d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 12:11:47 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!agate!ucbvax!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: re Code & Other requirements
Message-ID: <7880367@hpfcdc.HP.COM>
Date: 15 Nov 90 20:11:47 GMT
References: <9010231256.AA05779@lonex4.radc.af.mil>
Organization: HP Fort Collins, Co.
Lines: 10
Posted: Thu Nov 15 21:11:47 1990

> ...your chance to use lots of HF spectrum to meet many new friends

> around the world has also slipped away.

Alas. Life is like that. No :-)

> Why give up so easily?

Who's giving up? It's more a matter of: who has time? I don't find as much time as I'd like even for HF SSB right now. I simply have no need of code. If others want to use it, fine!

From -5330207855627316314
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1dfcde9dc7b616,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 12:14:19 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!mips!swrinde!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!aplcen!haven!decuac!shlump.nac.dec.com!hlis07.dec.com!wim
From: wim@hlis07.dec.com (W.M. Beekman jr.-PA3AGZ Digital Equipment Corp. [31]30-832088)
Newsgroups: rec.ham-radio
Subject: G3ZCZ logbook program.
Message-ID: <17340@shlump.nac.dec.com>
Date: 15 Nov 90 20:14:19 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 20
Posted: Thu Nov 15 21:14:19 1990

Hello to all,

Sometime ago, I received a copy of Joe Kasser's logbook program.
I would like to know, if he's still reachable on USENET ?
Does someone have his adress ?

'73 s de Wim

P.S. Please reply direct to me..

```
=========================================================================
Wim Beekman PA3AGZ     wim@hlis07.dec.com
Digital Equipment B.V.      -- or -- !decwrl!hlis07.dec.com!wim
Utrecht, The Netherlands    -- or -- wim%hlis07.dec@decwrl.dec.com

=========================================================================
"The opinions expressed here are my own and in no way represents the views
 of Digital Equipment Corporation "
=========================================================================
```

From 1492011649785940475

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cdd661e726bd7d64
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 12:23:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: gender pronouns ad nauseum
Message-ID: <7120149@hpcupt1.cup.hp.com>
Date: 15 Nov 90 20:23:01 GMT
References: <9011150153.AA21800@tilde>
Organization: Hewlett Packard, Cupertino
Lines: 5
Posted: Thu Nov 15 21:23:01 1990

Well if we did that we could not argue and flame each other about the subject and we would have to go back to code/nocode/phonepatch-pizza wars. ;-)
Jim,WA6SDM
jholly.hpcup.cup.hp.com

From -1640290414224953729
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,354c9dcba1ce3e1d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 14:24:06 PST
Path: gmdzi!unido!mcsun!uunet!unsvax!jimi!tahoe!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: Impedance of 10'whip at 100 KHz
Keywords: mininec
Message-ID: <46614@apple.Apple.COM>
Date: 15 Nov 90 22:24:06 GMT
References: <4196@radio.oakhill.UUCP>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 37
Posted: Thu Nov 15 23:24:06 1990

charlie@oakhill.UUCP (Charlie Thompson) writes:

>Can someone give me a rough estimate of the feedpoint impedance
>of a 10' vertical whip antenna (over ground plane) at 100 KHz? It should
>be a fairly high number. If someone has Mininec perhaps they
>could give me an answer.

Hi, Charlie,

It is the *opposite* of what you think -- if it is 100 kHz you are talking about. At that relative size, the equation for an elemental dipole (limiting case of an electric dipole as length approaches zero) will model what you want pretty well. The radiation resistance of the animal is

```
     R = 80.(pi^2).(L/lambda)^2
```

L is length of the dipole element, lambda is wavelength. For the monopole you are asking about, the radiation resistance is half of this. I think a 3m monopole at 3 km wavelength comes to something like 400 microohms, no?

I suspect you are going to have more ohmic resistance than radiation resistance in the an antenna that size even if you silverplate the sucker. Don't expect very high efficiencies.

Now, if you are really looking for physically-small aerials with high radiation resistance, you might want to look at using slot antennas. [I am currently experimenting with annular slots and comparing them with their duals (physically small loops), to see if I can overcome the ohmic loss problems of the physically-small loops.]

73,

Kok Chen, AA6TY kchen@apple.com
Apple Computer, Inc.

```
From -2942633898165886101
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,576867b2e214fb1f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 15:09:00 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!SWTEXAS.BITNET!BA01
From: BA01@SWTEXAS.BITNET
Newsgroups: rec.ham-radio
Subject: "Talking houses", Infra-red broadcasting
Message-ID: <9011160009.AA04827@ucsd.edu>
Date: 15 Nov 90 23:09:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 40
Posted: Fri Nov 16 00:09:00 1990
```

Hi folks. I ran into some different broadcast technologies recently that you might find interesting.

1. "Talking Houses"

From American Public Radio's "Marketplace" business show, I heard about a Re-Max real estate dealer in Newton, MA who has set-up low-power commercial AM transmitters in his houses to broadcast taped information to prospective buyers driving by. A sign nearby tells you to "tune to AM 1190" and has a little rack of promotional pamphlets attached to it.

People can turn on their car radio and hear a description of a house, e.g.
"This lovely 2-story Victorian features 6 rooms..." etc., etc.
Apparently the agent has sold all 9 houses where he used the transmitters.

Is this something requiring an FCC license? Who sells such equipment?
Is there a sub-band of AM freqs set up specifically for stuff like this and
for airport information transmitters, etc?

2. Infra-red transmission

On a trip to Minneapolis, we went to a production at the Guthrie Theater.
They had listening devices for rent that amplified signals broadcast in
the infra-red frequencies. All I could get from the person at the booth
was that the listening devices "decoded" the signals from the transmitter.
Can anyone elaborate?

Thanks and 73's.
Bernie, N5PQY

ba01@swtexas.bitnet
ba01%swtexas.bitnet@ricevm1.rice.edu

Bernie Asher   "Happiness is having a big, warm, caring,
Administrative Data Processing   close-knit family...in another city."
Southwest Texas State University   - George Burns
San Marcos, Texas 78666
512-245-2271

The views expressed by me are not necessarily those of my employer.

From -4032559731600905463
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,13313fbdc3718c69,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,13313fbdc3718c69,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-11-15 15:45:55 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Packet Test - Volunteers wanted
Keywords: Salt Lake, Denver, Kansas City, St. Louis, Chicago, Nashville
Message-ID: <538@ssc.UUCP>
Date: 15 Nov 90 23:45:55 GMT
Organization: very little
Lines: 32
Xref: gmdzi rec.ham-radio:16908 rec.ham-radio.packet:3053
Posted: Fri Nov 16 00:45:55 1990

Do you have access to both Usenet and your local VHF packet BBS?

Can you help me with a little experiment?

I need several packet stations who can do a couple of tests for me, which involve listing some bulletins off of their local VHF packet BBS, and then e-mailing the listings to me on Usenet. This is just a short term experiment, and quite easy.

I need folks in several areas across the MIDDLE of the USA, like in Salt Lake City, Denver, Kansas City, St. Louis, and possibly Chicago, Atlanta, Nashville and New Orleans.

I DO NOT need anyone on the West Coast, in Texas, Minnesota, Ohio, Florida or New York/New Jersey.

If you think you can help, contact me and let me tell you what I need.

Thanks!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 5873936150327980346
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f67a5452862d8cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 19:43:30 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!mit-eddie!media-lab!mit-caf!fritz
From: fritz@mit-caf.MIT.EDU (Frederick Herrmann)
Newsgroups: rec.ham-radio
Subject: Re: DSPer's Work Bench ?
Message-ID: <5353@mit-caf.MIT.EDU>
Date: 16 Nov 90 03:43:30 GMT
References: <7880353@hpfcdc.HP.COM> <22628@ucsd.Edu> <593@chiton.ucsd.edu>
Reply-To: fritz@mit-caf.UUCP (Frederick Herrmann)
Organization: Microsystems Technology Laboratories, MIT
Lines: 11
Posted: Fri Nov 16 04:43:30 1990

In article <593@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:

> ... If you really want your
>mind bent "Digital Signal Processing", by Oppenheim and Schafer,

>Prentice Hall, has been the basic text for the past decade. ...

They changed the title with the last edition, now "Discrete Time Signal Processing," but you can still find both on the shelf.

- Frederick P. Herrmann
fritz@caf.mit.edu

From -4668741372655327739
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62cf76082d3e814c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 20:08:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: HR2510 Mods
Message-ID: <7880368@hpfcdc.HP.COM>
Date: 16 Nov 90 04:08:11 GMT
References: <2994@canisius.UUCP>
Organization: HP Fort Collins, Co.
Lines: 26
Posted: Fri Nov 16 05:08:11 1990

Re: 400 watts on 10 meters.

>Picture Bart Simpson after school writing the following 1000 times
>on the chalk board:
>
>"I will not give Perry a bad time about his antenna."
> .
> .
>
>>
>>Perry / KF0CA
>
>Bill - WA7NWP

Bill misconceptions about my antenna system notwithstanding, this was an experiment to see if 6 dB (1 S unit) more power on 10 meters lets you work more stations. The results tend to indicate that more power is not useful from a communications standpoint, and tends to get into your neighbor's appliances 4 times more loudly. :-o

This effectively answered my questions regarding the efficacy of 11 meter linear amplifiers that I've had since my bootleg CB days; it's an expensive way to heat the outside.

Perry / KF0CA

```
From 1993366088419549185
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a8a4eeca1ef00a8c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 21:09:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!
netcom!mcmahan
From: mcmahan@netcom.UUCP (Dave Mc Mahan)
Newsgroups: rec.ham-radio
Subject: Re: RFI from plasma displays
Message-ID: <16918@netcom.UUCP>
Date: 16 Nov 90 05:09:55 GMT
References: <9011151900.AA05904@ucsd.edu>
Organization: Dave McMahan @ NetCom Services
Lines: 22
Posted: Fri Nov 16 06:09:55 1990


 In a previous article, wmartin@STL-06SIMA.ARMY.MIL (Will Martin) writes:
>I've always assumed that those "plasma display" toys -- the ones Radio
>Shack sells as "Lightning Fury" and "Illuma-Storm Light Display", and
>other places sell under similar names, were *terrible* sources of RFI --
>that they would act like Tesla coils and generate vast amounts of
>wideband hash across the spectrum.
>I am
>asking -- do these glass-globed electrical-discharge displays actually
>produce major RFI, or are they actually less offensive than I had thought?

Yes, they do.  It is especially bad in the low bands.  It will mess up you
TV if you have a weak signal.  It also is bad for FM radio and a weak signal.

>Regards, Will
>wmartin@st-louis-emh2.army.mil OR wmartin@stl-06sima.army.mil

   -dave

--
Dave McMahan                            mcmahan@netcom.uucp
                       {apple,amdahl,claris}!netcom!mcmahan


From -5971398599037397164
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 21:13:04 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov16.051304.2800@ux1.cso.uiuc.edu>
Date: 16 Nov 90 05:13:04 GMT
```

References: <1990Oct24.170127.2103@dcdwest.uucp> <7880366@hpfcdc.HP.COM>
Organization: University of Illinois at Urbana
Lines: 56
Posted: Fri Nov 16 06:13:04 1990

perry@hpfcdc.HP.COM (Perry Scott) writes:

>>2. Semi-ghetto effect due to lack of contact with hams on the "main" subbands.
>>3. Duplication within these subbands of band planning done elsewhere and resultant planning/ccordination problems.

>This is provably false. Look at the current incentive-induced Novice ghettos, and tell me that you still belive this. Gentlemen's agreements for DX, ATV, packet, et.al. grow from the allocation. That will be the first test - can the NoCoders be Gentlemen ?

Not applicable. The Novices got the entire FM repeater subband on 220 MHz according to the ARRL suggested national band plan (yes, I know some regions expanded it). In big cities, Novices are NOT in a ghetto and Communicators would not be either. The rural areas where EVERYONE is on 2m are another story.

If the subbands are just tiny portions, such as 10%, then there will become a mainstream of the other 90%.

>Well, I'm one of them, and I'm at 20 seconds of solid copy at 18 WPM. I see it as a challenge, and much more real-world than watching TV, playing computer games, working DX, or any of the other Great American TimeSinks.

And to think I once taught a computer to send Morse Code for everything it typed out in the normal course of programming. Oh well.

>It's currently playing on cassette players across the country. Sigh, no blinkenlights or whizzengrafics.

That's unfortunate (the lack of the "blinkenlights or whizzengrafics"). Gotta do something about that.

>Attitude, my friend, it's all in the attitude. It is a game if _you_ define it to be (just like life, but I wax philosophical). The problem is that Morse is an audio training exercise, and any video is a distraction. Pretty low tech, I'm afraid.

Using them blinkenlights.

>Hey, I don't know ! If I did, I'd have some specific suggestions. My off-the-cuff impulse is to make Communicator a sub-band within the Novice subband on >30 MHz. If the subband doesn't exist, create one like that found on HF. I'd suggest an initial allocation of 10-20% of the (sub)band. I think we have enough on 1200 MHz and up to allocate a couple ATV channels.

The Novice subbands are not enough to deal with Communicator. I won't be able (and won't bother to try) to recruit new hams if they get stuck in just the Novice subbands.

--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -2123404172375466673
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 21:19:41 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov16.051941.3576@ux1.cso.uiuc.edu>
Date: 16 Nov 90 05:19:41 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp> <7500045@hpfcso.HP.COM>
Organization: University of Illinois at Urbana
Lines: 32
Posted: Fri Nov 16 06:19:41 1990

vodall@hpfcso.HP.COM (Bill Vodall) writes:

>Isn't CW one of the simplest digital modes? What better introduction to
>learning communications theory and basic digital communications is there.
>Especially since it's one mode that can actually be run using the in-born
>bio-computer.

It's pretty simple. It's interesting that it is a code that people and computers COULD communicate with each other with (if slow enough, computers CAN do stuff like 1200 WPM).

>2.) While CW can be run by a human - there's no reason it has to be. How
>   fast can a couple PC's communicate using CW on the HF bands? Are there
>   optimizations to the spacings that improve the performance. What if
>   CW was sent in packets - complete with ACKs or NAKs? Are there any
>   BBS's on the air using CW? How about putting Phil's TCP/IP on CW?
>   You can't ask for a simpler computer-to-radio interface.

If by TCP/IP on CW you mean to encode an IP packet into a stream of Morse Code symbols, then you lose the ability for humans to directly deal with it.

I believe there are some CW BBS's on the air. If someone releases a really good Morse decoder program that can handle a wide range of speed variation and "fist", then these things could become more popular.

We are rapidly approaching a level of technology where what is "simple" might instead be to just let a robot whip out an instant chip to do it,

and discrete parts as we know it will be in museums.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -1295940572856809823
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc92205c58db5994,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 00:04:40 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!midway!ellis.uchicago.edu!gary
From: gary@ellis.uchicago.edu (gary buchholz)
Newsgroups: rec.ham-radio
Subject: Usenet UnNet-be there! / 24AT & HF mobile antennas /Intense Mag Mounts
Message-ID: <1990Nov16.080440.8625@midway.uchicago.edu>
Date: 16 Nov 90 08:04:40 GMT
Sender: news@midway.uchicago.edu (News Administrator)
Organization: University of Chicago
Lines: 93
Posted: Fri Nov 16 09:04:40 1990

****

Don't forget about the Usenet un-net this (and every) Saturday Nov 17,90 1700-1900Z, 28.410 or 28.390 MHz. Basically, call "CQ Usenet".

Pretty bad turnout last week - but I'll be there. And, I'll be taking names of everyone NOT there.... and sending out negative-QSL cards ! So be there... or suffer the consequences....

****

Here's some other stuff...

==> HT Antennas...

There was alot of discussion about antennas for HT - specifically for the ICOM 24AT. Well, my own independent tests show that stock ICOM antenna on the 24AT is about 3 S-units down on recieve over the Larson rubber duck. It similarly does badly on transmit as I was unable to bring up some distant repeaters with the stock antenna compared to the Larson.

My choice for a replacement antenna for the 24AT was the Smiley dual-band tuned whip antenna. The claim for the Smiley is as follows:

2m 1/4 wave (all sections up) 1.2 swr
440 5/8 wave (2 sect. down) 1.2 swr
440 1/4 wave (all sects down) 1.4 sw

The smiley is an 8-section whip thats about 24in when extended and equal in size to the rubber duck when its collasped.

I was unable to thoroughly test the Larson against the Smiley. But the Smiley collapsed gave equal receive signal strength with the Larson. We were unable to thoroughly test transmit performance.

The price of the Larson and Smiley is about the same - $20. I'd go for the Smiley given that its is "configurable" as described above... and, I think that just on theoretical grounds (if that counts) the whip should outperform a rubber duck - if performance is what you need. The Smiley is not at all flexible ... so its logistically more difficult to deal with.

In any case, if you've got a 24AT with the stock antenna... get rid of it. I don't understand why ICOM put such a terrible antenna on such a nice radio. Also, I don't know ICOM doesn't advertise its "extended receive". This would be a buying decision for some people.

==> HF Mobile Antennas

I've just recently started using HF rig in my car (Kenwood TS-440S). I've been using Hustler antennas getting pretty good results. Made a couple of DX contacts today on 10m. Got 5x7 signal reports from Northern Ireland and the U.K. (Newcastle). This was using the special (shortened) RMX 10m Hustler antenna (about 57in long).

I have 2 questions.

1) The instructions that come with the Hustler tell you nothing about these antennas. The RMX antenna is about 57in long. The "standard" Hustler mast with resonator is about 8ft tall.

Are these cut for 1/4 or 1/2 wave, or what ? If its only 1/4 wave it means I need a good ground-plane to make it work. If its 1/2 wave I don't (thats my understanding, at least). The RMX and the "standard" mast are very different in length but they *appear* to use identical resonators. So, I don;t know what to make of this.

2) Mounting. As mentioned I kinda like going mobile with the TS-440. But, as usual the HF antenna is a problem. If there antennas are cut for 1/4 wave then its necessary for these to be mounted over a metal surface for best performance. If they are 1/2 wave they don't need a ground plane and could probably be mounted "anywhere".

I've got a IROC Z-28 Camaro and I don't want to "cut it up" too bad to get a HF mobile antenna on it. Any suggestions?

==> Intense Mag Mount ...

And, I'll just pass this along. If you're looking for a really "intense" mag mount base... go to your local CB store and get a K-40 mag mount base.

These mag mounts are "industrial strength". Mag mounting the RMX 10m HF antenna is NOT recommended by Hustler. But, most Ham mag mounts are wimps. In fact, the Larson PO-MM can't really hold my VHF/UHF Diamond NR-790A.

In fact, the K-40 mag mount is strong enough to hold the Hustler RMX mast & resonator on the roof of my car @ 70 mph without problem. Basically, I use a HLM Hustler mount on the K-40 base. It all works out ok and I, so far, have not had to "cut" my car to add a permanent HF mounting base.

Gary
--
Gary Buchholz / KE9ZM   Internet: gary@midway.uchicago.edu
University of Chicago   Packet: KE9ZM@WB9MJN
Academic and Public Computing
1155 East 60'th St., Chicago, Ill.   (312) 702-7611

From -6934639559424836375
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,540af5175063ab3e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 03:20:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!rex!ames!bionet!agate!ucbvax!PUCC.PRINCETON.EDU!mail-support%cernvax.cern.ch
From: mail-support%cernvax.cern.ch@PUCC.PRINCETON.EDU
Newsgroups: rec.ham-radio
Subject: Warning: Failed mail to VMS host
Message-ID: <9011161120.AA27756@dxmint.cern.ch>
Date: 16 Nov 90 11:20:11 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 43
Posted: Fri Nov 16 12:20:11 1990

Your message to <@DxMINT.cern.ch:FIRE%VAXFI.decnet.cern.ch@CERNVAX> could not be delivered.
The error message was:

Deferred: Connect failed, node unreachable

This message is equivalent to the DECnet-VAX error message:

SYSTEM-F-UNREACHABLE, remote node is not currently reachable

The reason why your message could not be delivered is that the remote DECnet node is unreachable at the moment, either because DECnet is not running at the remote node or because the link to the remote node is down.

The mail system will try to deliver your original message to the recipient. If this is not possible within a reasonable time period the message will be returned to you.

====== The start of Your original message ======

Info-Hams Digest   Wed, 14 Nov 90   Volume 90 : Issue 421

Today's Topics:

15 meter monobanders
ARF ENDS BOYCOTT
ATV Radar
Callsign project cartridge tapes
Code & Other requirements
COMMUNICATIONS QUARTERLY, premier issue
DSPer's Work Bench ?
Extra Class ?
gender pronouns ad nauseum
Giving up on Northgate OmniKey Plus
Hams,Public service/mods to radios for 11 meters
KILL files
New ARRL RFI book: authors needed
No code license & CW Bashing (2 msgs)
Opinions on a Yaesu FT-301
re Code & Other requirements
RF attenuation through PVC

From -2798052648433446730
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e1f36914c98229ec,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 04:07:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!think.com!paperboy!husc6!genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: Info on Yaesu FT-202R HT
Message-ID: <39681@genrad.UUCP>
Date: 16 Nov 90 12:07:18 GMT
Sender: news@genrad.UUCP
Lines: 20
Posted: Fri Nov 16 13:07:18 1990

Dear netters (how's that for genderless? :-),

I am in need of any available information for a Yaesu FT-202R Handy Talky. This is an older 2 meter HT which is crystal driven, so rather limited in its use. HOWEVER, these are ideal for Civil Air Patrol usage (which only uses a couple of frequencies) and we have acquired 3 of these radios.....unfortunately, all of them are broken, and we'd like to repair them. I could use schematics, operator's manual,
and any other data which may be available for them, including an address of where we might buy crystals for this radio (one of them does not have the correct crystal
for CAP frequencies).

Please email me if you have any information on these.

Diana

->Diana L. Syriac   dls@genrad.com   Ham: KC1SP (Sweet Pea)   <-
->I'D RATHER BE FLYING! P-ASEL, INST   CAP: 1LT, Freedom 690 Mobile<-
->GenRad   AD ASTRA, PER ASPERA   <-
->MS/6, 300 Baker Ave, Concord, Mass. 01742   (508) 369-4400 x2459   <-

---

From -2439306471529146822
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,215d28f4c568971e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 04:31:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!rutgers!
gatech!mcnc!rti!dg-rtp!dg-rtp.dg.com!harrism
From: harrism@dg-rtp.dg.com (Mike Harris)
Newsgroups: rec.ham-radio
Subject: Communications Quarterly
Message-ID: <1990Nov16.123148.7121@dg-rtp.dg.com>
Date: 16 Nov 90 12:31:48 GMT
Sender: usenet@dg-rtp.dg.com (Usenet Administration)
Reply-To: harrism@dg-rtp.dg.com
Organization: Data General Corp., Research Triangle Park, NC
Lines: 27
Posted: Fri Nov 16 13:31:48 1990

In response to the previous post about Communications Quarterly, I called the indicated number. I was very surprised to find that they are just about to go to print.

I had been waiting (being a former HR subscriber, CQ adoptee, and recent ex CQ subscriber) to get the promo in the mail. The gal didn't know why alot of people didn't get the promo literature - somebody probably put a <not> in the wrong place in an awk script.

In any event, I just wanted to emphasize that if you want to get in on Communications Quarterly then you had better call them. NOW. Don't wait for promo info.

The charter subscription provides for an initial cost of $24.95 with the premier issue being free. The regular rate will be $29.95.

Call 1-800-457-7373. Have your credit card ready as I don't know if they'll accept "bill me" subscriptions.

73,
Mike Harris - KM4UL   harrism@dg-rtp.dg.com
Data General Corporation   {world}!mcnc!rti!dg-rtp!harrism

Research Triangle Park, NC

From 3233972822714646970
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85ed152e4ef6ff0e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,85ed152e4ef6ff0e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-11-16 05:25:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
swbatl!ken
From: ken@swbatl.sbc.com (Ken Gianino 5-9081)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Marine Band radio Frequencies?
Message-ID: <1990Nov16.132535.2228@swbatl.sbc.com>
Date: 16 Nov 90 13:25:35 GMT
References: <1990Nov13.074136.22295@athena.mit.edu> <5217@feldspar2.UUCP>
Organization: Southwestern Bell Advanced Technology Laboratory
Lines: 7
Xref: gmdzi rec.ham-radio:16917 rec.radio.shortwave:2724
Posted: Fri Nov 16 14:25:35 1990

As a distraction to the marine radio discussion, most of the inexpensive
radios have a 10.7MHz IF, probably with low side injection. If you swap
the transmit and receive synthesizer RF the radio should operate on 2
meters. For instance, the calling channel 156.800 would become 146.100.
Anybody ever tried this?
Ken - WB0QNA

From -5226257348969628541
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,354c9dcba1ce3e1d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 05:50:46 PST
Path: gmdzi!unido!mcsun!uunet!seismo!ukma!wuarchive!zaphod.mps.ohio-state.edu!
lavaca.uh.edu!menudo.uh.edu!nuchat!lobster!urchin!f8324.n106.z1.fidonet.org!
Christopher.Boone
From: Christopher.Boone@f8324.n106.z1.fidonet.org (Christopher Boone)
Newsgroups: rec.ham-radio
Subject: Re: Impedance of 10'whip at 100 KHz
Message-ID: <3524.27443601@urchin.fidonet.org>
Date: 16 Nov 90 13:50:46 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8324 - Far Point Relay Ham, Katy Tx
Lines: 16
Posted: Fri Nov 16 14:50:46 1990

** Quoting Charlie Thompson to All **
>Newsgroups: rec.ham-radio
>

```
 >Can someone give me a rough estimate of the feedpoint impedance
 >of a 10' vertical whip antenna (over ground plane) at 100 KHz?
 > It should
 >be a fairly high number.  If someone has Mininec perhaps they
 >
 >could give me an answer.
** End of Quote **
HIGH number????? A 10 ft whip at 100KHZ will be a LOW impeadance  on the order
of 1-5 ohms!!!! A 10ft whip is a SMALL part of the wavelength at 100Khz and
therefore doesnt even get close to double digits!!

73
WB5ITT


From -2728622451990528222
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,41537301ed378939
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 06:44:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!news.cs.indiana.edu!news.nd.edu!cartan!
ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: 15 meter monobanders
Message-ID: <452.2743D5CF@w8grt.fidonet.org>
Date: 16 Nov 90 14:44:22 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 28
Posted: Fri Nov 16 15:44:22 1990


 > From: gary@ke4zv.UUCP (Gary Coffman)
 > Date: 14 Nov 90 17:33:42 GMT
 > Organization: Gannett Technologies Group
 > Message-ID: <1533@ke4zv.UUCP>
 > Newsgroups: rec.ham-radio
 >
 > >which have the tones flipped with respect to each other; it doesn't make
 > >a difference there (as one would expect).
 > >
 > >  Then again, I've never used HF packet :-)
 >
 > It only matters as a convention for meeting a station on a specific
 > frequency. If you agree to meet a station on 14.103 and he's using
 > LSB and you use USB the two of you will be transmitting about 3khz
 > apart and will not link up. If you understand this problem and adjust
 > your frequency to allow for it all is well.

I always liked the government/military method of frequency designation. They
assigned frequencies on the basis of the channel center. Hence, for FSK, being
assigned to 7709 khz meant your mark and space tones were space equidistant
```

above and below 7709. Similarly, 4595 khz USB on a 3 khz wide channel called
for placing the suppressed carrier down 1.5 khz or 4593.5 khz.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -2366065447613442292
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,576867b2e214fb1f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 07:52:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!udel!haven!decuac!bacchus.pa.dec.com!shlump.nac.dec.com!delni.enet.dec.com!goldstein
From: goldstein@delni.enet.dec.com (Fred R. Goldstein)
Newsgroups: rec.ham-radio
Subject: Re: "Talking houses", Infra-red broadcasting
Message-ID: <17388@shlump.nac.dec.com>
Date: 16 Nov 90 15:52:51 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 27
Posted: Fri Nov 16 16:52:51 1990

In article <9011160009.AA04827@ucsd.edu>, BA01@SWTEXAS.BITNET writes...
>Hi folks. I ran into some different broadcast technologies recently that you
>might find interesting.
>From American Public Radio's "Marketplace" business show, I heard about a
>Re-Max real estate dealer in Newton, MA who has set-up low-power commercial
>AM transmitters in his houses to broadcast taped information to prospective
>buyers driving by. A sign nearby tells you to "tune to AM 1190" and has a
>little rack of promotional pamphlets attached to it.
>Is this something requiring an FCC license? Who sells such equipment?
>Is there a sub-band of AM freqs set up specifically for stuff like this and
>for airport information transmitters, etc?

It's our old friend Part 15, intentional low-power radiation devices.
If you keep the power low enough, the whole AM band is open to this sort
of stuff. A variation is carrier-current, where you feed the power
lines which leak a little to the buildings they feed.

LPB Corp. (in Pennsylvania, someplace, I think, but it's been a while)
makes low-power AM transmitters, mainly for carrier-current, tunnels,
etc. There may be some others too.

Fred R. Goldstein   k1io   Digital Equipment Corp., Littleton MA
goldstein@delni.enet.dec.com   voice: +1 508 486 7388
 Do you think anyone else on the planet would share my opinions, let
 alone a multi-billion dollar corporation?

From -8972086014446962057
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,74923d4c08a62c99,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 08:16:42 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!hplsla!marshall
From: marshall@hplsla.HP.COM (Marshall Lollis)
Newsgroups: rec.ham-radio
Subject: DOCUMENTATION NEEDED -- Yaesu FRG-7
Message-ID: <5720085@hplsla.HP.COM>
Date: 16 Nov 90 16:16:42 GMT
Organization: HP Lake Stevens, WA
Lines: 26
Posted: Fri Nov 16 17:16:42 1990

Forgive me if this is the incorrect group for my request.............

I just purchased a used Yaesu FRG-7 (circa 1982?). The unit works very well, and I think I have figured out just about all the controls.

However, it didn't come with documentation and I was wondering if any of you folks had a copy of the documentation, and if I could pay for a xerox copy? I am interested in both the user's and the service manuals.

Please e-mail directly to me.

Thank You for your help,

Marshall Lollis

```
  ____________________________________________________________________________
 |                                                                            |
 | Marshall Lollis                   Mail Stop: 110    Column: UR9            |
 | Hewlett-Packard Company           AT&T: (206) 335-2153  Telnet: 335-2153   |
 | Lake Stevens Instrument Division UUCP: hplabs!hplsla!marshall              |
 | 8600 Soper Hill Road              HPDESK: Marshall_Lollis@HPA100           |
 | Everett, WA  98205-1298           DOMAIN: marshall@hplsla.lsid.hp.com      |
 |____________________________________________________________________________|
```

From 1330393763919914347
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc7b47499e1e9695,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 08:19:51 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!mintaka!think.com!zaphod.mps.ohio-state.edu!wuarchive!swbatl!synoptics!

From: jkaidor@ (Jerome Kaidor)
Newsgroups: rec.ham-radio
Subject: Mobile HF antennas
Message-ID: <22085@mvis1.com>
Date: 16 Nov 90 16:19:51 GMT
Sender: jkaidor@synoptics.COM
Lines: 35
Posted: Fri Nov 16 17:19:51 1990

Followup-To:
Distribution: world
Organization: SynOptics Communications Inc. Santa Clara, Ca.
Disclaimer: Sender is *solely* responsible for the contents of message
Keywords:

I'd like to tap into the net.wisdom here. It seems that I've just acquired a lengthy commute(merrily we drone along...), and I would like to put an HF station in my car. I already have a suitable radio (Atlas 210X), and my main concern is antennas. The car is a '76 VW bus. The body is fairly ratty, and I have complete freedom as far as drilling holes is concerned. But I have questions about antenna placement. I have a hustler mobile whip and a Webster band-spanner. The bus is shaped like a tall box, so there is no "trunk lid" to bolt the antenna to, like there would be in a sedan. The easiest thing would be a bumper clamp. But then the whole bottom section of the antenna will parallel the side of the bus. I think that the bus will shield off the antenna from that direction of radiation. Not only that, but a good deal of RF has _GOT_ to be capacitively coupled to the body of the bus. Has anyone had experience with such an installation?

If I mount the antenna on _TOP_ of the bus, the whole mess will be way too high for internal parking structures, etc. Heck, it might even ding the bottoms of freeway overpasses. Sure would work well, though. How about mounting the antenna _HORIZONTALLY_ a few feet above the bus roof? Still bad for parking, but freeway overpasses would be okay...

So, does anybody have a solution to mounting HF antennas on busses, vans, etc? Has anybody tried bumper mounts? Do they work as bad as I suspect they might? How about alternate antennas? Maybe a shortened dipole stretched across the roof, with a pole on the rear bumper and another pole on the front? This bored commuter wants to know!

- Jerry Kaidor, KF6VB

From 1982076360474461165
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85ed152e4ef6ff0e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,85ed152e4ef6ff0e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-11-16 08:41:25 PST

Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!
uokmax!skaggs
From: skaggs@nsslsun.gcn.uoknor.edu (Gary Skaggs)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Marine Band radio Frequencies?
Message-ID: <1990Nov16.164125.26104@uokmax.ecn.uoknor.edu>
Date: 16 Nov 90 16:41:25 GMT
References: <1990Nov13.074136.22295@athena.mit.edu> <5217@feldspar2.UUCP>
<1990Nov16.132535.2228@swbatl.sbc.com>
Sender: news@uokmax.ecn.uoknor.edu (Nets)
Organization: National Severe Storms Laboratory
Lines: 13
Xref: gmdzi rec.ham-radio:16924 rec.radio.shortwave:2726
Posted: Fri Nov 16 17:41:25 1990

Wow! THE Marine Corp Band on Radio? Tell me the frequencies! They are great!
Sousa never had it better! What Brass!!!!!

(Sorry. Couldn't resist ;-})

____
Gary Skaggs - WB5ULK   skaggs@nssl.gcn.uoknor.edu DOC/NOAA/ARL/ERL/NSSL

"The correct way to punctuate a sentence that starts: 'Of course it is none of
my business, but...' is to place a period after the word 'but'. Don't use
excessive force in supplying such a moron with a period. Cutting his throat
is only a momentary pleasure and is bound to get you talked about."
              ---Lazarus Long, "Time Enough for Love"

From -4028430831751063341
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc7b47499e1e9695
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 09:34:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!bu.edu!att!cbnewsl!moss!feg
From: feg@moss.ATT.COM (Forrest Gehrke,2C-119,7239,ATTBL)
Newsgroups: rec.ham-radio
Subject: Re: Mobile HF antennas
Message-ID: <1990Nov16.173441.29268@cbnewsl.att.com>
Date: 16 Nov 90 17:34:41 GMT
References: <22085@mvis1.com>
Sender: @cbnewsl.att.com
Reply-To: feg@moss.ATT.COM (Forrest Gehrke)
Organization: AT&T Bell Laboratories
Lines: 32
Posted: Fri Nov 16 18:34:41 1990

In article <22085@mvis1.com> jkaidor@ (Jerome Kaidor) writes:
>Followup-To:
>Distribution: world
>Organization: SynOptics Communications Inc. Santa Clara, Ca.
>Disclaimer: Sender is *solely* responsible for the contents of message

>Keywords:
>
>   So, does anybody have a solution to mounting HF antennas on
>busses, vans, etc? Has anybody tried bumper mounts? Do they work as
>bad as I suspect they might? How about alternate antennas? Maybe a
>shortened dipole stretched across the roof, with a pole on the rear
>bumper and another pole on the front? This bored commuter wants to
>know!

The ideal solution would be to mount the antenna on the center
of the roof top. A way around the problem of height would be
to use a shortened antenna with a top hat. But now we get to
the chosen frequency. You didn't mention that.

A shortened whip with top hat for 14 MHz could be made to be
about 3 or 4 feet high and the top hat would have to be about
2 feet in diameter. To get the height scrunched down that
much you would also have to use an inductance between the
vertical section and the tophat. This all results in some
losses but local ham whom I helped design such a beast
runs a KW to it and gets all over the world with it.

Don't know if the height I mentioned would still be too
high, though, when mounted atop a VW bus. My friend runs
it on one of the rails of his pickup.

Forrest Gehrke feg@moss.att.com k2bt

From 2925165434630000327
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,34b4ee53a3bd16e8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 09:35:45 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!mikemr
From: mikemr@microsoft.UUCP (Michael MRAZ)
Newsgroups: rec.ham-radio
Subject: The Big One (was Move earthquake)
Message-ID: <59127@microsoft.UUCP>
Date: 16 Nov 90 17:35:45 GMT
Organization: Microsoft Corp., Redmond WA
Lines: 3
Posted: Fri Nov 16 18:35:45 1990

I saw that ham plate in the earthquake show and looked it up in an
earlier callbook. The guy was in there, in one of the L.A.
suburbs. Not a good move on the producer's part.

From -5072915800392490083
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d5f33337cabdcfad
X-Google-Attributes: gid10c9e3,public

```
X-Google-ArrivalTime: 1990-11-16 09:41:03 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Extra Class ?
Message-ID: <1548@ke4zv.UUCP>
Date: 16 Nov 90 17:41:03 GMT
References: <17190@shlump.nac.dec.com> <1133@tsdiag.ccur.com> <16819@netcom.UUCP>
<1134@tsdiag.ccur.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 39
Posted: Fri Nov 16 18:41:03 1990
```

In article <1134@tsdiag.ccur.com> davet@tsdiag.ccur.com (Dave Tiller N2KAU)
writes:
>In article <16819@netcom.UUCP> mojo@netcom.UUCP (Morris Jones) writes:
>-davet@tsdiag.ccur.com (Dave Tiller N2KAU) writes:
>->   I'd like to see a license
>->class or endorsement the translated into real respect for _proving_ that you
>->possess the _spirit_ of amateur radio, not just the ability to memorize a
>->multiple-guess question pool.
>-
>-It can't be done because it can't be done objectively. What you're left with
>-is a clique, a club of good-ol-boys, who are the only ones able to judge who
>-is the true "keeper of the flame" for the future. Personalities will get
>-involved. Feelings will be hurt and flames fanned.
>-
>-Do you have something else in mind? :)
>-
>-Mojo AA4KB
>
>Well I certainly don't intend for it to become a clique. I didn't intend
>for it to be given by hams (although I fully support the VE program!). I'd
>like to see either the FCC or ARRL sponsor quarterly tests instead of VE's.
>I guess what I'd like to see is something similar to the work (but not the $$$)
>needed to get a pilot's license. You must show conclusively that you
>understand all of the principles involved, and you must also demontrate that
>knowledge. They also publish their question pool (I strongly disagree with
>this practice), but in addition to their written test, they also must show
>their prowess as pilots. It's extremely hard to get a pilot's license without
>actually understanding and being able to apply the material, but memorizing
>the answers to a question pool for the extra exam is easy without having in-
>depth knowledge. I agree, though, that if it can't be objective, it shouldn't
>be done. Thank you for your comments.

Do it like the automotive training competitions. Present the applicant with
a carefully broken radio and score him on how quickly he locates and repairs
the trouble. Deduct points for replacing good components or for damaging
good components in the course of troubleshooting. I have some fiendishly
intermittant parts I'd be happy to surface mount in your HT for the exam.
:-)

Gary KE4ZV

From 7310605283813253997
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0c38f265ea5c52
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 10:13:52 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!maverick.ksu.ksu.edu!zaphod.mps.ohio-state.edu!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: T33T
Message-ID: <808@idacrd.UUCP>
Date: 16 Nov 90 18:13:52 GMT
References: <58957@microsoft.UUCP>
Organization: idacrd, princeton, nj
Lines: 21
Posted: Fri Nov 16 19:13:52 1990

From article <58957@microsoft.UUCP>, by mikemr@microsoft.UUCP (Michael MRAZ):
> Has anyone worked T33T on CW yet? I caught
> him last night at about 0415Z just as 15m was about to
> shut down. Nice signal, but I was surprised that there
> wasn't a pile-up (worked him on my first call). If you
> need QSL info, he said use the 90 callbook address for
> OH3GZ.

I worked him on 28.021 last week. The person is a good CW operator and
copied my peanut whistle (gave me 539 for 40 watts to a vertical just
as the band was closing) at 30 wpm. A very good clean fist.

Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From -2757040836375544759
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c3bed47d5341f80
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 10:15:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!hpcuhb!hpsqf!hpqmola!hpqmole!dstock
From: dstock@hpqmole.sqf.hp.com (David Stockton)
Newsgroups: rec.ham-radio
Subject: Re: Is my IC-745 Doomed?

Message-ID: <410007@hpqmole.sqf.hp.com>
Date: 16 Nov 90 18:15:16 GMT
References: <706@npdiss1.StPaul.NCR.COM>
Organization: HP,Queensferry Microwave UK
Lines: 23
Posted: Fri Nov 16 19:15:16 1990

I seem to recall a piece in QST, perhaps 1985-1986 about a bloke with an R71 RX. He had dismantled the set and had accidentally placed the CPU board ontop of tools on his bench. This had caused the battery backed RAM to be cleared. I believe he said that reprogramming could not be done in the US - it had to be returned to J-land.

I know that I personally have nothing at risk, but some people are going to spontaneously acquire surprisingly expensive component collections.

Some manufacturers, and I dont know which, have got themselves a nice little time-bomb ticking away out there in the field. Short of free replacement sets or a full-price buyback scheme it is now too late for them to do anything about it.

No reviews seem to have covered this matter

this must be the best place to share information as the equipment starts to die. The ARRL and RSGB etc presumably will not risk their advertising revenue.

73 GM4ZNX

From -7668728108798996016
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f67a5452862d8cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 10:23:59 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: DSPer's Work Bench ?
Message-ID: <809@idacrd.UUCP>
Date: 16 Nov 90 18:23:59 GMT
References: <7880353@hpfcdc.HP.COM>
Organization: idacrd, princeton, nj
Lines: 63
Posted: Fri Nov 16 19:23:59 1990

From article <7880353@hpfcdc.HP.COM>, by perry@hpfcdc.HP.COM (Perry Scott):
>>
>>Herbi,
>>

>>Points 3, 4 and 5 are personal opinions. Points 1 and 2 are provably false
>>assertions. See my Reply Comments on PR Docket 90-55 for the details; I
>>posted it here back in early September.
>>
>>None of your points constitute valid arguments against a codeless license,
>>although you are perfectly free to promote voluntary proficiency in or
>>use of CW by anyone who will listen.
>>
>>Phil
>
>
> Phil's love of DSPs makes me want to believe that this may be a magnet
> we need for this hobby. DSPs bridge the gap between computers and
> the WARC situation.
>
> What I know of DSPs would fit on an index card. How do laymen discover
> how to use this technology, or is it only for the wizards at Bellcore :-) ?
> Is there a "DSPers Workbench" ? Are there plug-in cards for my PC ?
> Are DSPs as easy to program as Apple][Basic ? Do I need a Ph.D.EE to
>
> These are the questions, if answered, that could unleash the masses
> on DSP technology, and maybe (just maybe) one of them might get lucky
> and invent SSB while the rest of us are puttering with AM.
>

AMEN Brother, where do I sign up. Just kidding. The DSP'ers workbench
if being put together for two different products at this time. The DSP-X232
by AEA and the TAPR/AMSAT DSP plug in communications board. This will be
libraries, source, programming models, example modems, FFT's for spectra,
and much more with design tools written by me. There is another offering
for amateur radio, this is LL Grace's advertised DSP-12 as seen in several
magazines. CAVEAT EMPTOR. Today is Friday Nov.16 and as of last weekend

(1) The DSP-12 HAS NEVER HAD A MODEM RUN IN IT ON THE AIR
(2) HARDWARE ISSUES ARE <<<_STILL_>>> being worked on and
(3) Contrary to LAW, the unit is being marketed WITHOUT FCC type acceptance.

To the best of my ability to find out, the unit has not been submitted for
FCC type acceptance since it DOES NOT YET WORK. 40 modems is to say the
least, an exaggeration.

Truth-in-advertising: I am the founder/leader of both the TAPR/AMSAT
and AEA projects. The former is joint with W3IWI,WA7GXD. The first
of each units are now in the hands of Alpha/ Beta testers for TAPR/AMSAT
and AEA respectively. AEA will ship more to the ALREADY CHOSEN Beta
testers over the next couple of weeks. The most onerous task of providing
a manual for thing is now joined in earnest. It is FINALLY the time
to get ready for DSP to make a true impact on ham radio.

Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)              |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From -5260618298053048986
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,354c9dcba1ce3e1d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 10:24:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: Impedance of 10'whip at 100 KHz
Message-ID: <1250272@hpnmdla.HP.COM>
Date: 16 Nov 90 18:24:05 GMT
References: <4196@radio.oakhill.UUCP>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 14
Posted: Fri Nov 16 19:24:05 1990

Charlie,

I think it is a pretty small number too. I don't remember the details
very clearly but maybe someone from NIST can comment on WWVB's (60 KHz)
antenna farm. I seem to remember it being a 200' tower with heavy
duty capactive hat loading. Even combined with a large room basically full
of matching network (I think you can stand up inside the inductor which
is no doubt silver plated) the overall efficiency is under 2 percent or
so. SoI don't think that WWVB actually radiates much more than many amateur
stations on 20M.

Glenn Elmore n6gn

From 7416930889110094225
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,806b2c10e060ca4f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 10:34:24 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpcc05!col!dunphy
From: dunphy@col.hp.com (Dan Dunphy)
Newsgroups: rec.ham-radio
Subject: any qso with K1YVI?
Message-ID: <27080024@col.hp.com>
Date: 16 Nov 90 18:34:24 GMT

Organization: HP Colorado Springs Division
Lines: 14
Posted: Fri Nov 16 19:34:24 1990

Has anyone out there qso'd with a sidebander Handle Arnie,
K1YVI. I knew him in the Air Force, many years ago.
Please respond by email. I am not a ham, and don't usually
read this group.

```
 ---
 --
 __     ___
|  \   /   \  |\  | (My advice is probably worth what you paid
|   |  |___|  | \ |  for it!)
|___/  |   |  |  \|
```

Dan Dunphy
dunphy@col.hp.com

From 954620790908075374
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85ed152e4ef6ff0e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 10:35:43 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpfcso!hpfcdc!jle
From: jle@hpfcdc.HP.COM (Jer Eberhard)
Newsgroups: rec.ham-radio
Subject: Re: Marine Band radio Frequencies?
Message-ID: <7880369@hpfcdc.HP.COM>
Date: 16 Nov 90 18:35:43 GMT
References: <1990Nov13.074136.22295@athena.mit.edu>
Organization: HP Fort Collins, Co.
Lines: 90
Posted: Fri Nov 16 19:35:43 1990

> >Any thoughts on the odd channel number spacing ?
> >Why ch 1 2 3 and 9 are RX only ?
> >Is the display operating properly?

Well, about half the frequencies were added at a later time,
when the current equipment state of the art could support
closer channel spacing.

The Marine Band channels US / International:

CH	RX/SPLX	OFFSET	XMIT	ACCESS	BAND	US/INTERNATIONAL	DESCRIPTION
99	156.000				MARINE	00/00	RX only
99	160.650	-4.600	156.050		MARINE	01/01	REPEATER
99	160.700	-4.600	156.100		MARINE	02/02	REPEATER
99	160.750	-4.600	156.150		MARINE	03/03	REPEATER

```
99  160.800 -4.600 156.200        MARINE 04/04 REPEATER
99  156.250        156.250        MARINE 05/   SIMPLEX
99  160.850 -4.600 156.250        MARINE   /05 REPEATER
99  156.300        156.300        MARINE 06/06 SIMPLEX
99  156.350        156.350        MARINE 07/   SIMPLEX
99  160.950 -4.600 156.350        MARINE   /07 REPEATER
99  156.400        156.400        MARINE 08/08 SIMPLEX
99  156.450        156.450        MARINE 09/09 SIMPLEX
99  156.500        156.500        MARINE 10/10 SIMPLEX
99  156.550        156.550        MARINE 11/11 SIMPLEX
99  156.600        156.600        MARINE 12/12 SIMPLEX
99  156.650        156.650        MARINE 13/13 SIMPLEX
99  156.700        156.700        MARINE 14/14 SIMPLEX
99  156.750                       MARINE 15/15 RX only
99  156.800        156.800        MARINE 16/16 SIMPLEX
99  156.850        156.850        MARINE 17/17 SIMPLEX
99  156.900        156.900        MARINE 18/   SIMPLEX
99  161.500 -4.600 156.900        MARINE   /18 REPEATER
99  156.950        156.950        MARINE 19/   SIMPLEX
99  161.550 -4.600 156.950        MARINE   /19 REPEATER
99  161.600 -4.600 157.000        MARINE 20/20 REPEATER
99  157.050        157.050        MARINE 21/   SIMPLEX
99  161.650        157.050        MARINE   /21 REPEATER
99  157.100        157.100        MARINE 22/   SIMPLEX
99  161.700 -4.600 157.100        MARINE   /22 REPEATER
99  157.150        157.150        MARINE 23/   SIMPLEX
99  161.750 -4.600 157.150        MARINE   /23 REPEATER
99  161.800 -4.600 157.200        MARINE 24/24 REPEATER
99  161.850 -4.600 157.250        MARINE 25/25 REPEATER
99  161.900 -4.600 157.300        MARINE 26/26 REPEATER
99  161.950 -4.600 157.350        MARINE 27/27 REPEATER
99  162.000 -4.600 157.400        MARINE 28/28 REPEATER
99  157.450                       MARINE 29/29 RX only
99  160.625 -4.600 156.025        MARINE 60/60 REPEATER
99  160.675 -4.600 156.075        MARINE 61/61 REPEATER
99  160.725 -4.600 156.125        MARINE 62/62 REPEATER
99  160.775 -4.600 156.175        MARINE 63/63 REPEATER
99  160.825 -4.600 156.225        MARINE 64/64 REPEATER
99  156.275        156.275        MARINE 65/   SIMPLEX
99  160.875 -4.600 156.275        MARINE   /65 REPEATER
99  156.325        156.325        MARINE 66/   SIMPLEX
99  160.925 -4.600 156.325        MARINE   /66 REPEATER
99  156.375        156.375        MARINE 67/67 SIMPLEX
99  156.425        156.425        MARINE 68/68 SIMPLEX
99  156.475        156.475        MARINE 69/69 SIMPLEX
99  156.525        156.525        MARINE 70/70 SIMPLEX
99  156.575        156.575        MARINE 71/71 SIMPLEX
99  156.625        156.625        MARINE 72/72 SIMPLEX
99  156.675        156.675        MARINE 73/73 SIMPLEX
99  156.725        156.725        MARINE 74/74 SIMPLEX
99  156.775                       MARINE 75/75 RX only
99  156.825                       MARINE 76/76 RX only
99  156.875        156.875        MARINE 77/77 SIMPLEX
```

```
99  156.925        156.925        MARINE 78/   SIMPLEX
99  161.525 -4.600 156.925        MARINE   /78 REPEATER
99  156.975        156.975        MARINE 79/   SIMPLEX
99  161.575 -4.600 156.975        MARINE   /79 REPEATER
99  157.025        157.025        MARINE 80/   SIMPLEX
99  161.625 -4.600 157.025        MARINE   /80 REPEATER
99  157.075        157.075        MARINE 81/   SIMPLEX
99  161.675 -4.600 157.075        MARINE   /81 REPEATER
99  157.125        157.125        MARINE 82/   SIMPLEX
99  161.725 -4.600 157.125        MARINE   /82 REPEATER
99  157.175        157.175        MARINE 83/   SIMPLEX
99  161.775 -4.600 157.175        MARINE   /83 REPEATER
99  161.825 -4.600 157.225        MARINE 84/84 REPEATER
99  161.875 -4.600 157.275        MARINE 85/85 REPEATER
99  161.925 -4.600 157.325        MARINE 86/86 REPEATER
99  161.975 -4.600 157.375        MARINE 87/87 REPEATER
99  157.425        157.425        MARINE 88/   SIMPLEX
99  162.025 -4.600 157.425        MARINE   /88 REPEATER
99  157.725                       MARINE 89/89 RX only
```

Jer/ Eberhard

From 6423225725386775952
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2ff4261f291646d8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 10:47:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!sdd.hp.com!
uakari.primate.wisc.edu!uflorida!ziggy!screamer!tscs!pdn!msl
From: msl@pdn.paradyne.com (Mike Luszcz)
Newsgroups: rec.ham-radio
Subject: Swap nets
Keywords: RE: Frequencies, Times!
Message-ID: <1990Nov16.184718.9010@pdn.paradyne.com>
Date: 16 Nov 90 18:47:18 GMT
Sender: usenet@pdn.paradyne.com (0000-USENET News Administrator(0000))
Organization: AT&T Paradyne, Largo, Florida
Lines: 7
Posted: Fri Nov 16 19:47:18 1990

In response to 3898 swap times. The traders Net is held each Fri. and Mon.
nites at 7:00 p.m. E.S.T. It lasts approx. 2 hours depending on check-ins

There is also an excellent traders net held on Sun. mornings on 3945 beginning at 8:00 a.m. This one runs about an hour again depending on check-ins.

Mike Luszcz KC4NPZ

From -5092152465649662503
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,576867b2e214fb1f

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 12:24:30 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!maverick.ksu.ksu.edu!zaphod.mps.ohio-state.edu!wuarchive!swbatl!synoptics!jkaidor
From: jkaidor@synoptics.COM (Jerome Kaidor)
Newsgroups: rec.ham-radio
Subject: Re: "Talking houses", Infra-red broadcasting
Message-ID: <22089@mvis1.com>
Date: 16 Nov 90 20:24:30 GMT
References: <17388@shlump.nac.dec.com>
Organization: SynOptics Communications Inc. Mountain View, Ca.
Lines: 14
Posted: Fri Nov 16 21:24:30 1990

In article <17388@shlump.nac.dec.com> goldstein@delni.enet.dec.com (Fred R. Goldstein) writes:
>
.... deleted stuff about low-power broadcasting....
>
>It's our old friend Part 15, intentional low-power radiation devices.
>If you keep the power low enough, the whole AM band is open to this sort
>of stuff.

Is such "openness" limited to the AM broadcast band? Or does it apply to the _WHOLE_SPECTRUM_? If it doesn't, how does anybody dare market RF signal generators?

- Jerry Kaidor, KF6VB

From -6425988418949277744
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84459ec01b6ab377,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 12:56:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!csus.edu!ucdavis!ucbvax!WABASH.BITNET!PERRYR
From: PERRYR@WABASH.BITNET (GWYFFD)
Newsgroups: rec.ham-radio
Subject: Amtrak odessy coming....
Message-ID: <9011162250.AA01986@ucsd.edu>
Date: 16 Nov 90 20:56:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25
Posted: Fri Nov 16 21:56:00 1990

This Christmas, I am going home via Amtrak (from Indiana to New York).

I'm really looking forward to it, actually. I have a sleeper, and have always loved travelling by train.

While I'm aboard, I though it might be a great opportunity to get some unique QSO's (how many xx2xxx/train mobile calls have YOU worked?), but I need some help with an antenna. I'm going to be working 2 Meter, and I was wondering what kind of antenna I should use. I'm going to be on my HT. The last time I tried this trip (going west) I used a magmount that I put on the window casing. I thought I might get better reception if I used a dipole mounted on the glass. Does anyone have any thoughts?

On the same note, I would also be interested in knowing the Amtrak freqs. My 2M HT goes from 136-174, so if there are any SWLers out there, I'd appreciate learning the freqs in use on the train itself, and in the Chigago and New York yards. Actually, I'm hoping that there will be an accident, so that I can use my non-type accecpted gear on their freqs. >:-)

In any case, I gotta go study more and more and more...........
73's

R. Todd Perry
KB2JAC/9
PERRYR@WABASH.Bitnet

From -3676776646151549643
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,354c9dcba1ce3e1d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 12:59:47 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpwala!hpnjld!eyg
From: eyg@hpnjld.HP.COM (Ed Gilbert)
Newsgroups: rec.ham-radio
Subject: Re: Impedance of 10'whip at 100 KHz
Message-ID: <4140023@hpnjld.HP.COM>
Date: 16 Nov 90 20:59:47 GMT
References: <4196@radio.oakhill.UUCP>
Organization: Hewlett Packard NJD, Rockaway NJ
Lines: 26
Posted: Fri Nov 16 21:59:47 1990

>>Can someone give me a rough estimate of the feedpoint impedance
>>of a 10' vertical whip antenna (over ground plane) at 100 KHz? It should
>>be a fairly high number. If someone has Mininec perhaps they
>>could give me an answer.

>It is the *opposite* of what you think -- if it is 100 kHz you are
>talking about. At that relative size, the equation for an elemental
>dipole (limiting case of an electric dipole as length approaches zero)
>will model what you want pretty well. The radiation resistance of the
>animal is
>
>   R = 80.(pi^2).(L/lambda)^2
>
>L is length of the dipole element, lambda is wavelength. For the monopole

>you are asking about, the radiation resistance is half of this. I think
>a 3m monopole at 3 km wavelength comes to something like 400 microohms,
>no?

I think you are both correct. The original question asked about the feed point impedance, not the radiation resistance. The feed point impedance will be the radiation resistance in series with a very large capacitive reactance. Thus the magnitude of the feed point impedance will be a high number because of the reactive component, even though the real part is small.

Ed Gilbert, WA2SRQ

```
From -5641445516486143246
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d3cc8b8a00d3816,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 13:08:51 PST
Path: gmdzi!unido!mcsun!uunet!husc6!bunny!dhp1
From: dhp1@GTE.COM (Dave Pascoe)
Newsgroups: rec.ham-radio
Subject: DXpedition next week
Keywords: Cayman Islands, CQWW CW DX Contest
Message-ID: <10058@bunny.GTE.COM>
Date: 16 Nov 90 21:08:51 GMT
Organization: GTE Laboratories, Inc., Waltham, MA
Lines: 28
Posted: Fri Nov 16 22:08:51 1990
```

A small group of us will be heading for Little Cayman Island, B.W.I. next week (Monday) to have some fun in the sun and operate in the CQWW CW Contest (mutually exclusive events).....

```
The group will consist of:    Dave KM3T/1 (ZF2PT)
                              Paul K1XM (ZF2PR)
                              Charlotte KQ1F (ZF2PQ)
                              Tony K1KP (ZF2PS)
                              Michelle (Tony's XYL)
```

We will be active on all bands (160-10m) and I will be active on 50 MHz periodically during the week. I am open to skeds on 6m if anyone so desires. Just send me e-mail this weekend....I'll check e-mail periodically and then once again late Sunday night. Send along date and time for skeds and I'll be there.

Otherwise, please work us both outside and in the contest....we'll be active on both phone and CW before the contest, and possibly some RTTY during the week. Our call in the contest will be ZF2PR....

Please look for us....hope to work many of you from the net....

73

```
--
Dave Pascoe      |  Internet: dhp1@gte.com
                 |
KM3T/ZF2PT       |  UUCP: ...!{harvard}!gte.com!dhp1
```

```
From 1873783157579445454
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5cef9151a1c17781,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 14:48:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!know!tegra!vail
From: vail@tegra.COM (Johnathan Vail)
Newsgroups: rec.ham-radio
Subject: Summary of 900 TX mod for IC-24
Message-ID: <1753@atlas.tegra.COM>
Date: 16 Nov 90 22:48:01 GMT
Organization: Tegra-Varityper, Inc., Billerica, MA
Lines: 40
Posted: Fri Nov 16 23:48:01 1990
```

I had recently inquired about a 900 MHZ transmit mod for the IC-24. I recieved a couple of responses, leading me to believe that the mod is not worth doing. It is a hack-and-a-half and not a useful mod.

The replies are summarized below. Thanks to those that responded.

jv <- "Of course the recieve mod is trivial *and* useful"

> you should be able to *receive* 900 mhz, but only a rare 24at can transmit there. Apparently it has to do with the variable quality (on the leading edge) of internal circuit components.
>
> There are then some additional diodes that need to be changed around.
> A friend of mine attempted this with his 24at, but it was unsuccessful.
>
> Walt Spector KK6NR
> (wws@rena.cray.com)

> This mod does not work .... the author of the mod admitted to this in a phone conversation I had with him. What you get from the mod is just a 2nd harmonic of a 450 MHz signal.. and a weak one at that.
>
> Joel Magid

N1HZH (world-net 448.625 listening)

"Hackers, as a rule, do not handle obsolescence well" - Oliver Wendle Jones

```
 -----
|     | Johnathan Vail | n1dxg@tegra.com
|Tegra| (508) 663-7435 | N1DXG@448.625-(WorldNet)
 -----  jv@n1dxg.ampr.org {...sun!sunne ..uunet}!tegra!vail
```

From -1607323285977142763
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc7b47499e1e9695
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 15:35:17 PST
Path: gmdzi!unido!mcsun!uunet!midway!ellis.uchicago.edu!gary
From: gary@ellis.uchicago.edu (gary buchholz)
Newsgroups: rec.ham-radio
Subject: Re: Mobile HF antennas
Message-ID: <1990Nov16.233517.27911@midway.uchicago.edu>
Date: 16 Nov 90 23:35:17 GMT
References: <22085@mvis1.com>
Sender: news@midway.uchicago.edu (News Administrator)
Organization: University of Chicago
Lines: 47
Posted: Sat Nov 17 00:35:17 1990

>   If I mount the antenna on _TOP_ of the bus, the whole mess will be
>way too high for internal parking structures, etc. Heck, it might even
>ding the bottoms of freeway overpasses. Sure would work well, though.
>How about mounting the antenna _HORIZONTALLY_ a few feet above the bus
>roof? Still bad for parking, but freeway overpasses would be okay...
>
>   So, does anybody have a solution to mounting HF antennas on
>busses, vans, etc? Has anybody tried bumper mounts? Do they work as
>bad as I suspect they might? How about alternate antennas? Maybe a
>shortened dipole stretched across the roof, with a pole on the rear
>bumper and another pole on the front? This bored commuter wants to
>know!
>   - Jerry Kaidor, KF6VB

I have the same problem. I called Hustler in Texas and got the following info/advice.

1) The Hustler 54in MO-1, MO-2 mounts with resonator are 1/4 wave antennas so they need a good ground plane.

2) The best place to mount them is on the roof. The worst place is on the bumper as there is too much parallel metal. Trunk mount is "ok" but not as good as roof mount.

3) The special RMX has a shorter mast and slighly

longer top whip section. The RMX also has less wind load than the MO
masts + resonator.. which makes them 8 ft tall. Since the guy at
Hustler told me the RMX was 1/4 wave ... and resonators were interchangable
with the MO masts... I tended not to believe the RMX was *really* 1/4
wave. However, if I can talk to Northern Ireland and the U.K. with
the RMX from my car... by experience, I'd say that even though the RMX
is not really a 1/4 wave.. it works just fine.

As regards the "parking structure problem", Hustler has a "fold over" mast
thats only 22in in height when folder over. That might work for you.

The guy at Hustler in Texas also told me that all these mobile antennas
also work well for non-mobile operations. The recommendation was for a
8ft X 8ft layer of "chicken wire" under the Hustler to supply the ground
plane... :-)

Gary
--
Gary Buchholz / KE9ZM   Internet: gary@midway.uchicago.edu
University of Chicago   Packet: KE9ZM@WB9MJN
Academic and Public Computing
1155 East 60'th St., Chicago, Ill.   (312) 702-7611

From -6234243833812349885
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f9e3c898f6ee0f05,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 15:50:35 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!wuarchive!
julius.cs.uiuc.edu!apple!agate!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Ham life in Wyoming
Message-ID: <9011162350.AA24123@tilde>
Date: 16 Nov 90 23:50:35 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6
Posted: Sat Nov 17 00:50:35 1990

Yes, yes! Amateur radio does indeed live in Wyoming! Has a nice QSO yesterday
with KA7HCO in Casper. Now, finally, after 14 months, I've made WAS CW. Now
if I can just get the S.D. station to send me his card......

73,
Dube   N5PDK

From -8335952192561418932
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84459ec01b6ab377
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-11-16 17:38:57 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!hpb
From: hpb@unix.cis.pitt.edu (Harry P Bloomberg)
Newsgroups: rec.ham-radio
Subject: Re: Amtrak odessy coming....
Message-ID: <61552@unix.cis.pitt.edu>
Date: 17 Nov 90 01:38:57 GMT
References: <9011162250.AA01986@ucsd.edu>
Reply-To: hpb@unix.cis.pitt.edu (Harry P Bloomberg)
Organization: Univ. of Pittsburgh, Panther Amateur Radio Club
Lines: 28
Posted: Sat Nov 17 02:38:57 1990

In article <9011162250.AA01986@ucsd.edu> PERRYR@WABASH.BITNET (GWYFFD) writes:
>This Christmas, I am going home via Amtrak (from Indiana to New York).

I've used my HT succesfully on long bus trips, so let me suggest some pointers.

The most important part of any ham station is the antenna. A rubber duck inside a metal container doesn't work very well.

I purchased a collapsable 1/4 wave antenna and clamped a large suction cup to it (can be found in any decent office supply store). I then attached a 19 inch long counterpoise to the clamp to act as an artificial ground. The whole contracption is then suctioned to the bus window.

This works great! I can hit repeaters many miles away - much better than a rubber duck.

I also use a 5 amp-hour gel-cel I purchased as Dayton. This conserves my nicads and provides the 12 V input that my IC-24AT requires for 5 watts output.

Good luck. Time to get into training so that your plans are not derailed and you're driven loco.

73,
Harry Bloomberg WA3TBL
hpb@vms.cis.pitt.edu or
hpb@hpb.cis.pitt.edu

From -7818878052950732156
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a8d14d39c39a7966,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 18:02:33 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news

Message-ID: <1907@n8emr.UUCP>
Date: 17 Nov 90 02:02:33 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 115
Posted: Sat Nov 17 03:02:33 1990

From n8emr!W8PH Fri Nov 16 04:34:38 1990
Return-Path: <n8emr!W8PH>
Message-Id: <m0ia1R5-0001D0C@n8emr.uucp>
[Date: Fri, 16 Nov 90 03:40 EST
[To: <ALL@ARRL>
R:901116/0632z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:12660 Z:43232
R:901116/0603 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:51140 Z:43103
R:901116/0502 @:WA8ZWJ.#DAY.OH.USA.NA Union #:21905 Z:45322
R:901116/0443 @:NC8Q.#DAY.OH.USA.NA Dayton #:12109 Z:45419
R:901116/0309 @:WB8JIB.#DAY.OH.USA.NA Yellow Springs #:61216 Z:45387

DX BULLETIN 46 ARLD046
FROM ARRL HEADQUARTERS
NEWINGTON CT NOVEMBER 16, 1990
TO ALL RADIO AMATEURS

THANKS TO ALLEN SINGER, N2KW, AND THE TRISTATE DX PACKETCLUSTER NETWORK, DR. RICK DORSCH, NE8Z, AND SALIM AL-KITANI, A41JV, FOR THE FOLLOWING DX INFORMATION.

AFGHANISTAN, YA. AN UZBEKI, A FRENCH EMBASSY EMPLOYEE, AND A GROUP OF EAST COAST DXERS ARE ALL PLANNING OPERATIONS FROM KABUL DURING 1991

ALBANIA, ZA. THREE ALBANIAN OFFICIALS WERE ENTERTAINED IN BUDAPEST FOR TEN DAYS, AND OBSERVED AMATEUR RADIO IN ACTION. A JOINT HUNGARIAN-ALBANIAN OPERATION IS BEING DISCUSSED WHICH WOULD ESTABLISH A PERMANENT ZA CLUB STATION. APPARENTLY, THERE ARE SEVERAL SEASONED CW OPERATORS IN THE MILITARY WHO WOULD LIKE TO TRY CONTESTING.

ANGOLA, D2. THE RUMOR MILL HAS DJ6SI TARGETING THIS ELUSIVE DX SPOT.

BANABA, T33. ONLY 5 DAYS LEFT TO WORK T33R OR T33T. THEY HAVE BEEN ACTIVE ON NINE BANDS, OFTEN CALLING CQ WITH NO ANSWERS.

BRUNEI, V85. V85OM BY N2OO WILL GO QRT TOMORROW. TRY 21027 KHZ AT 0000 UTC OR 14027/14165 KHZ AT 1100 UTC. QSL VIA N2OO.

CROZET, FT8W. FT4WC IS EXPECTED TO COMMENCE OPERATIONS THE MIDDLE OF DECEMBER. QSL VIA F6GVH.

EAST MALAYSIA, 9M6. CW OPERATIONS BY 9M6OO NOVEMBER 16 TO 30.
ALSO, 9M6NA NOVEMBER 21 TO 26. POSSIBLE SSB ON 14165 KHZ AT 1100

UTC.

FAROE ISLANDS, OY. OY9JD LOOKS FOR WEST COAST STATIONS ON 28490 KHZ AT 1800 UTC.

JUAN FERNANDEZ, CE0Z. TWO DAYS REMAIN TO QSO CE0ZZZ. ALL TIMES UTC. 7 MHZ AT 1000, 14 MHZ RTTY AT 1100, 14 MHZ SSB AT 1200 AND 0300, 28 MHZ SSB AT 2200, 24 MHZ SSB AT 2300, 21 MHZ SSB AT 0100 AND 14 MHZ CW AT 0200. THEIR SATELLITE SIGNAL HAS BEEN VERY STRONG.

LIBYA, 5A. RUMORS PERSIST OF A 5A0DX OPERATION FROM NOVEMBER 17 TO DECEMBER 8.

MARION ISLAND, ZS8. ZS8MI HAS BEEN ACTIVE ON THE 20 METER LONG PATH AT 1300 UTC. TRY 14226 KHZ OR 14260 KHZ ON SATURDAYS. POINT YOUR ANTENNAS TO THE WEST.

MALYJ-VYSOTSKIJ ISLAND, 4J1. JANUARY PLANS FOR THIS OPERATION HAVE BEEN POSTPONED UNTIL MARCH, 1991. INCLUDED WILL BE 160 METERS, RTTY, AND AROUND THE CLOCK OPERATION.

MEXICO AND SANTA MARGARITA ISLANDS, XE3. DR. RICK DORSCH WILL BE OPERATING FROM VARIOUS AZTEC AND MAYAN INDIAN RUINS IN MEXICO FROM NOVEMBER 30 TO DECEMBER 11. HE WILL ATTEMPT TO OPERATE FROM SANTA MARGARITA ISLANDS, IOTA, NA-78, BETWEEN DECEMBER 6 TO 8. WITH ONLY 25 WATTS, HE WILL USE THE 10 METER IOTA SSB FREQUENCY OF 28460 KHZ OR 28005 KHZ ON CW. LISTEN FOR XE3/NE8Z.   QSL TO K8LJG,
JOHN C. DROLL, 3528 CRAIN DRIVE, FLINT, MI 48506, USA.

OMAN, A43. A43SR/MM WILL BE OPERATING FROM OCTOBER 23 TO MARCH 10, 1991, DURING THE 100 DAYS OF SAILING THE SILK ROADS MARITIME ROUTE FROM VENICE, ITALY TO OSAKA, JAPAN. THE OPERATION ON BOARD THE OMANI YACHT, FLUK AL-SALAMAH, WILL INCLUDE OPERATION ON 80 THROUGH 10 METERS. THANKS TO SALIM AL-KITANI, A41JV, OF ROARS, FOR THE INFORMATION.

PENGUIN ISLAND, ZS1. LOOK FOR ZS9Z/ZS1 STARTING NOVEMBER 27TH. THE SIX DAYS OF OPERATION WILL INCLUDE TWO STATIONS ON NINE BANDS RUNNING CW, SSB AND RTTY.

ROTUMA, 3D2. VK2BCH IS NOW ACTIVE AS 3D2XV. TRY 14222 KHZ AT 0330 UTC.

SAN FELIX, CE0X. XQ0X OPERATION WILL BEGIN NOVEMBER 20. OPERATOR JUAN IS A LOBSTER FISHERMAN, WHO SPEAKS NO ENGLISH. HE WILL VISIT NETS FOR LIST OPERATIONS. WATCH 14242 KHZ OPENING DAY. JUAN DOES NOT OPERATE CW, SO DO NOT ASK FOR CW. HE WILL BE OPERATING ONLY AS HIS WORK SCHEDULE ALLOWS. QSL VIA CE3ESS.

USSR, OBLAST HUNTERS TAKE NOTE. OBLAST 020 HAS BEEN DIVIDED AGAIN, REINSTATING OBLAST 179 EFFECTIVE AUGUST 17, 1990. UL-O REMAINS OBLAST 020, WHILE UL-A IS THE NEW OBLAST 179, MANGISTAUSKAYA.

UZBEK, UI8. UI8ZAA HAS A POTENT SIGNAL ON 20 METER SSB AT 0300 UTC. ALSO, LOOK ON 10 METER SSB AT 1300 UTC. THE OPERATOR SAYS HE IS GOING TO AFGHANISTAN IN 1991. QSL VIA K9FD.

VATICAN, HV. HV3SJ, ON CW, BY N6AR, NOVEMBER 13 TO 18. QSL TO I0DUD.

FOOTNOTES. TP5HA WELCOMES HUNGARY TO THE COUNCIL OF EUROPE, NOVEMBER 16 TO 18 FOR CW AND NOVEMBER 23 TO 25 FOR SSB. QSL VIA F6FSQ.

GW3WQU/4U IS ACTIVE FROM BELUCHISTAN. THIS COUNTS AS AP FOR DXCC.

ARRL HEADQUARTERS AND W1AW WILL BE CLOSED NOVEMBER 22 AND 23RD FOR THE THANKGIVING HOLIDAY. THE NEXT DX BULLETIN WILL BE SENT ON W1AW FRIDAY, (UTC) NOVEMBER 30.

From 4295982135716760662
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84459ec01b6ab377
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 18:03:08 PST
Path: gmdzi!unido!mcsun!uunet!husc6!yale!think.com!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!hpb
From: hpb@unix.cis.pitt.edu (Harry P Bloomberg)
Newsgroups: rec.ham-radio
Subject: Re: Amtrak odessy coming....
Message-ID: <61559@unix.cis.pitt.edu>
Date: 17 Nov 90 02:03:08 GMT
References: <9011162250.AA01986@ucsd.edu>
Reply-To: hpb@unix.cis.pitt.edu (Harry P Bloomberg)
Organization: Univ. of Pittsburgh, Panther Amateur Radio Club
Lines: 21
Posted: Sat Nov 17 03:03:08 1990

In article <9011162250.AA01986@ucsd.edu> PERRYR@WABASH.BITNET (GWYFFD) writes:
>This Christmas, I am going home via Amtrak (from Indiana to New York).
>

One more item about operating a ham station aboard a train...

My cousin's brother-in-law knows a lawyer who thinks he once read that operating any kind of transmitter aboard a train is against ICC regulations, even if one has the expressed written consent of the train's captain. Any spurious rf transmission could accidently trigger the train's sanitary dumps in the lavatories. The sensitive navigation system could also be affected, causing the train to go off course.

Furthermore, he states that the ham tranceiver may be confiscated during the pre-boarding carry-on luggage inspection.

Any of the myriad wannbe Perry Mason's out there know for sure?

73,
Harry Bloomberg WA3TBL
hpb@hpb.cis.pitt.edu or
hpb@vms.cis.pitt.edu

From 5753251406164900064
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a5e93602fd29f980
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 18:31:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!hpcvaac!billn
From: billn@hpcvaac.cv.hp.com (bill nelson)
Newsgroups: rec.ham-radio
Subject: Re: *sigh* another urbane legend
Message-ID: <5650003@hpcvaac.cv.hp.com>
Date: 17 Nov 90 02:31:19 GMT
References: <9011121738.AA18033@june.cs.washington.edu>
Organization: Hewlett-Packard Company, Corvallis, Oregon, USA
Lines: 10
Posted: Sat Nov 17 03:31:19 1990

The child is real - though not nearly as young as he was several years ago when the request was first made. Since then he has received several million cards - HE DOESN'T WANT ANY MORE.

Please don't send anything.

For a full discussion of the Craig Shergold urban legend - see alt.folklore.urban.

Bill

From 3531320713229355577
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,323c4d0a92d7001e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 18:41:12 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!hpcvaac!billn
From: billn@hpcvaac.cv.hp.com (bill nelson)
Newsgroups: rec.ham-radio
Subject: Re: Code/Nocode/Headcode/Koff/Koff
Message-ID: <5650004@hpcvaac.cv.hp.com>
Date: 17 Nov 90 02:41:12 GMT
References: <401.273D6D08@w8grt.uucp>
Organization: Hewlett-Packard Company, Corvallis, Oregon, USA
Lines: 9
Posted: Sat Nov 17 03:41:12 1990

jim.grubs@w8grt.uucp (Jim Grubs) / 12:11 pm Nov 11, 1990 / writes:

>We are repeating ourselves on the code wars again. We are also totally off on
>the "Code ain't hard, Father, it's my bother!" tangent, which is totally
>irrelevant.

Yeah! Also, why does so much of the chatter on UHF sound like CBrs using
repeaters?

Bill

From 609143582106504 51
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,354c9dcba1ce3e1d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 18:47:07 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Impedance of 10'whip at 100 KHz
Message-ID: <1250273@hpnmdla.HP.COM>
Date: 17 Nov 90 02:47:07 GMT
References: <4196@radio.oakhill.UUCP>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 16
Posted: Sat Nov 17 03:47:07 1990

In rec.ham-radio, charlie@oakhill.UUCP (Charlie Thompson) writes:

>Can someone give me a rough estimate of the feedpoint impedance
>of a 10' vertical whip antenna (over ground plane) at 100 KHz? It should
>be a fairly high number. If someone has Mininec perhaps they
>could give me an answer.

I disagree with all the other posters so far. The impedance will
be HIGH, not low. Sure the radiation resistance is small, but the
capacitive reactance is high.

10' is about .001 wavelengths at 100 kHz, so if I remember correctly,
Z is roughly .0005 - j 20000 ohms. This is theoretical, of course,
and doesn't include loss resistance.

AL N1AL

From -1160953765505089416
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85ed152e4ef6ff0e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 19:24:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpcc05!hpcuhb!hpscdc!rkarlqu
From: rkarlqu@hpscdc.scd.hp.com (Richard Karlquist)

Newsgroups: rec.ham-radio
Subject: Re: Marine Band radio Frequencies?
Message-ID: <5490108@hpscdc.scd.hp.com>
Date: 17 Nov 90 03:24:58 GMT
References: <1990Nov13.074136.22295@athena.mit.edu>
Organization: Hewlett-Packard, Santa Clara Div.
Lines: 27
Posted: Sat Nov 17 04:24:58 1990

> / hpscdc:rec.ham-radio / ken@swbatl.sbc.com (Ken Gianino 5-9081) / 5:25 am Nov 16, 1990 /
>
> As a distraction to the marine radio discussion, most of the inexpensive
> radios have a 10.7MHz IF, probably with low side injection. If you swap
> the transmit and receive synthesizer RF the radio should operate on 2
> meters. For instance, the calling channel 156.800 would become 146.100.
> Anybody ever tried this?
> Ken - WB0QNA
> ----------

And that reminds me of an interesting story. You will find that most marine radios do *not* have a 10.7 MHz. IF, but actually it's at 16.8 or 16.9 MHz. This is because the very strong coastal telephone stations happen to be offset just about exactly 5.35 MHz (to allow full duplex operation), and this half-IF frequency causes intermods that are *very* difficult to get rid of. The pioneers in VHF Marine Radio, such as Konigsberg Electronics (Konel), learned this the hard way. The chief engineer there (Mr. Al Bennett) decided to move to a higher IF and consulted the crystal filter vendors about this.
They said anything below about 17 MHz. was just as easy as 10.7, but above that, the cost went up. So he picked 16.9. The rest of the industry followed, sometimes after rediscovering the hard way why 10.7 was not used. Motorola uses 16.8 MHz. for some unknown reason (maybe just to be different).

Rick N6RK
formerly with Narco/Konel
Now HP Santa Clara

From 7669260541935204144
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1433356ab59ddfb0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 20:04:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!CS.UTAH.EDU!jdausili%peruvian
From: jdausili%peruvian@CS.UTAH.EDU (John d'Ausilio)
Newsgroups: rec.ham-radio
Subject: cellular phones/iridium
Message-ID: <9011170404.AA29394@peruvian.utah.edu>
Date: 17 Nov 90 04:04:35 GMT
Sender: daemon@ucbvax.BERKELEY.EDU

Organization: The Internet
Lines: 4
Posted: Sat Nov 17 05:04:35 1990

Does anyone have any info sources on either cellular phone technology or
more specifically the proposed Mortorola IRIDIUM satellite cellular system?

de John D'Ausilio KA1TB (jdausili@peruvian.utah.edu)

From 4845709374992780100
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a690c0b1cfd3bda1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 111acd,a690c0b1cfd3bda1,start
X-Google-Attributes: gid111acd,public
X-Google-ArrivalTime: 1990-11-16 22:40:13 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!gate.oxy.edu!oxy!d_reeves
From: d_reeves@oxy.edu (Bryan Douglas Reeves)
Newsgroups: rec.ham-radio,comp.sys.handhelds
Subject: HP-48sx Code program ...
Message-ID: <126903@tiger.oxy.edu>
Date: 17 Nov 90 06:40:13 GMT
Organization: Occidental College, Los Angeles, CA 90041
Lines: 9
Xref: gmdzi rec.ham-radio:17007 comp.sys.handhelds:4071
Posted: Sat Nov 17 07:40:13 1990

Does anyone know of a source (net, FTP, packet) for a morse code trainer/
sender program for the H-P 48sx?
Please e-mail or post responses.
Thanks and 73, Doug

```
------------------------------------------------------------------------
B. Douglas Reeves (N6XHW)   D_Reeves@oxy.edu  (Internet, of course!)
147.705/445.450 in So Cal    1600 Campus Rd., La, Ca, 90041 (USnail)
"Cogito, ergo es."       Occidental College Computer Networking
```

From 1935212165285861471
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62bfe6a62120edf6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-16 22:44:26 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!gate.oxy.edu!oxy!d_reeves
From: d_reeves@oxy.edu (Bryan Douglas Reeves)
Newsgroups: rec.ham-radio
Subject: TH-75A mods for extended UHF
Message-ID: <126904@tiger.oxy.edu>
Date: 17 Nov 90 06:44:26 GMT
Organization: Occidental College, Los Angeles, CA 90041
Lines: 9
Posted: Sat Nov 17 07:44:26 1990

Q: It is possible/how does one modify the Kenwood TH-75A to recieve beyond 450MHz up to at least 465? Is there a matching Xmit Mod?

Thanks and 73, Doug.

```
-----------------------------------------------------------------------------
B. Douglas Reeves (N6XHW)   D_Reeves@oxy.edu  (Internet, of course!)
147.705/445.450 in So Cal    1600 Campus Rd., La, Ca, 90041 (USnail)
"Cogito, ergo es."       Occidental College Computer Networking
```

From 6516037308869174856
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2ac6e0a49bad17aa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 08:56:26 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!RIA-EMH2.ARMY.MIL!jpedley
From: jpedley@RIA-EMH2.ARMY.MIL ("John Pedley, AMSMC-DSP-L")
Newsgroups: rec.ham-radio
Subject: Re: ATV Radar
Message-ID: <9011141654.AA19790@ucsd.edu>
Date: 14 Nov 90 16:56:26 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Wed Nov 14 17:56:26 1990

We have an ATV repeater here (Davenport, Iowa) where one channel is a direct weather radar feed from the National Weather Service, courtesy of the TV station where the repeater is located. Works very well and is used a great deal by the weather spotters and county EOC.

John Pedley
N0IPO

From 4182079575015236571
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,41537301ed378939
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 09:33:42 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!att!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: 15 meter monobanders
Message-ID: <1533@ke4zv.UUCP>
Date: 14 Nov 90 17:33:42 GMT
References: <42094@cci632.UUCP> <19405@oolong.la.locus.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 26

Posted: Wed Nov 14 18:33:42 1990

In article <19405@oolong.la.locus.com> dana@lando.la.locus.com (Dana H. Myers)
writes:
>In article <42094@cci632.UUCP> cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
writes:
>>Why isn't there the equivilent of a 2510 for 15 meters? Or, is there
>>one that I don't know about? Seems to me it wouldn't be that much
>>harder to build than the 10m one, and you could leave off the FM
>>portion and just leave CW, USE, and LSB (packet)
>   ^^^^^^^^^^^^
>
>   Does it really matter which mode (USB vs LSB) one uses for
>packet? Using LSB vs USB could invert the tones (mark vs. space), but
>that shouldn't matter given the NRZI encoding of packet data (NRZI encodes
>data in transitions, not absolute mark vs. space). On 2m, I've seen stations
>which have the tones flipped with respect to each other; it doesn't make
>a difference there (as one would expect).
>
> Then again, I've never used HF packet :-)

It only matters as a convention for meeting a station on a specific
frequency. If you agree to meet a station on 14.103 and he's using
LSB and you use USB the two of you will be transmitting about 3khz
apart and will not link up. If you understand this problem and adjust
your frequency to allow for it all is well. But if both of you understand
the problem, and both of you compensate for it, you're back to being
3khz apart again. Specifying a convention helps prevent this confusion.

Gary KE4ZV

From -2123557538816577749
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32acb5c1a574d147
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 09:44:05 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!ncar!midway!
midway.uchicago.edu!pbhx
From: pbhx@midway.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: Re: Updated Macintosh Ham Stacks (for HyperCard) now available
Message-ID: <1990Nov14.174405.10634@midway.uchicago.edu>
Date: 14 Nov 90 17:44:05 GMT
References: <39651@genrad.UUCP>
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 16
Posted: Wed Nov 14 18:44:05 1990

In article <39651@genrad.UUCP> dls@genrad.com (Diana L. Syriac) writes:

>This is just to let you know that I've finally updated the Ham Stacks to

>the latest question pools. It has been a long hard battle, since I have been
>unable to GET the latest question pools until just recently.
> (data on how to get them)

I wish there was some way the Mac-based ham community could truly reward
Diana for these stacks. I used her earlier sets to go from nothing to Extra
in just over a year. Of course, I read the books, but the ability to have
hypercard test me over and over again helped me realize where I needed more
studying (and helped me with the famous exam nerves syndrome.)

So, Diana, for all of us: Thanks so much!!!

Peter B. Hayward   N9IZT/AE
University of Chicago Computing Organizations

From -1065813296479057805
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e45ed8cb234187e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 10:00:08 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!RIGEL.TAMU.EDU!JWJ2047
From: JWJ2047@RIGEL.TAMU.EDU (N5PYK)
Newsgroups: rec.ham-radio
Subject: Help!! Need mods for Icom 3210A
Message-ID: <901114120008.20213892@RIGEL.TAMU.EDU>
Date: 14 Nov 90 18:00:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Wed Nov 14 19:00:08 1990

Hi!
I am looking for mods for the Icom 3210A. I have managed to get more out
of band receiving from 400-480 Mhz so I have made some progress. If you
know of any, kindly drop me mail
Joe Jurecka N5PYK

Bitnet   JWJ2047@tamvenus
Internet JWJ2047@venus.tamu.edu
Thenet   venus::jwj2047
packet   n5pyk @ w5ac.tx.na

Tnx

From 979393649860717608
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b4387f31195990d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 10:12:19 PST
Path: gmdzi!unido!mcsun!uunet!midway!linac!att!emory!wa4mei!ke4zv!gary

From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: re Code & Other requirements
Message-ID: <1534@ke4zv.UUCP>
Date: 14 Nov 90 18:12:19 GMT
References: <9010231256.AA05779@lonex4.radc.af.mil> <7880348@hpfcdc.HP.COM>
<592@chiton.ucsd.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 21
Posted: Wed Nov 14 19:12:19 1990

In article <592@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
>In article <7880348@hpfcdc.HP.COM> ajs@hpfcdc.HP.COM (Alan Silverstein) writes:
>>
>>That sounds cynical, so let me be clear, I'm not *proud* of not knowing
>>it any more, or anything like that. I just don't find it necessary or
>>useful to know it. So naturally it has slipped away.
>
>And your chance to use lots of HF spectrum to meet many new friends around the
>world has also slipped away.

Ah, here's the rub, if you want to use the HF CW spectrum you gotta know Morse. It doesn't matter whether you were required to pass a test or not, if you don't really know Morse you can't use Morse. If you don't want to use CW, it doesn't matter whether you passed a test on Morse or not. Of course to get a license you must pass a Morse test, but that's irrelevant to actually operating Morse. You know even a dyslexic, tone deaf person like me passed a 13wpm test after months of generally wasted effort, but I still don't do Morse well enough to enjoy operating HF CW. This certainly makes the Morse exam seem irrelevent to me.

Gary KE4ZV

From -1396952194800327175
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8be508d938cc0f8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 10:18:07 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
RIGEL.TAMU.EDU!JWJ2047
From: JWJ2047@RIGEL.TAMU.EDU (N5PYK)
Newsgroups: rec.ham-radio
Subject: *** Special Events Station Announcement ***
Message-ID: <901114121807.20213892@RIGEL.TAMU.EDU>
Date: 14 Nov 90 18:18:07 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Wed Nov 14 19:18:07 1990

Howdy all!

This year on November 29, The Texas A&M Amateur Radio Club will be running
a special events station. We call it CQ Bonfire.
We will be operating mostly on 10 and 15 meters under the club call
W5AC from about 11am cst to 6pm cst. Contacts locally may be made on
the 146.82 repeater pl 88.5 or dtmf 21.
These are the most likely bands for operation but we will be happy to sked
on any of the following other bands.
80m
40m
20m
15m
10m
6m
2m
70cm
See you there
for additional info send to
jwj2047@tamvnus
correction
jwj2047@tamvenus
jwj2047@venus.tamu.edu
n5pyk@w5ac.tx.na
73

From -1884627186957650907
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d2aeed2f8cb2d577,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 10:37:57 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!
apple!agate!ucbvax!hplabs!hpfcso!jsb
From: jsb@hpfcso.HP.COM (Jeff Beauprez)
Newsgroups: rec.ham-radio
Subject: Re: Move earthquake
Message-ID: <7500044@hpfcso.HP.COM>
Date: 14 Nov 90 18:37:57 GMT
References: <1905@n8emr.UUCP>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 19
Posted: Wed Nov 14 19:37:57 1990

As I was going through the TV channels the other night, I came across the
scene. It was an interesting camera angle and shot paused there for a moment
with the plate in clear view.

The plate is listed to:

Frank Lewis KE6HK
Westwood, CA

He's probably part of the crew...

```
   --... ...--   --... ...--    -.. .   .-- --- ----- .---
   Jeff Beauprez WO0J

   Hewlett-Packard CICD R&D                jsb@hpfijsb.HP.COM
   3400 E. Harmony Rd                      (303)229-3964
   Ft. Collins, CO 80525
   --.- .-. .--.   .. -.   - .... .   .-. --- -.-. -.- .. . ...
```

```
From -7335746959904685810
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,662ec33d218db90
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 11:01:59 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!uunet!motcid!svec
From: svec@motcid.UUCP (Larry Svec)
Newsgroups: rec.ham-radio
Subject: Re: RF attenuation through PVC
Message-ID: <5205@feldspar2.UUCP>
Date: 14 Nov 90 19:01:59 GMT
References: <70852@iuvax.cs.indiana.edu>
Organization: Motorola Inc., Cellular Infrastructure Div., Arlington Heights, IL
Lines: 8
Posted: Wed Nov 14 20:01:59 1990
```

Build your PVC antenna the height of a typical flagpole,
ground mount it with a few flowers around... tack on
your US Flag (UK for you G-landers) and you may have beaten antenna ordinance!

```
--
Larry Svec - KD9OF
  home: 708-526-1256   e-mail: uunet!motcid!svecl     VHF: 145.150-
  work: 708-632-5259      fax: 708-632-2413, -3741    UHF: 443.575+
  "I know everything... even some things that are true!"
```

```
From 4540830119615174868
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32acb5c1a574d147
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 11:03:55 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!att!linac!pacific.mps.ohio-state.edu!
zaphod.mps.ohio-state.edu!usc!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: Updated Macintosh Ham Stacks (for HyperCard) now available
Summary: Exact directory for apple.com
Message-ID: <46576@apple.Apple.COM>
Date: 14 Nov 90 19:03:55 GMT
References: <39651@genrad.UUCP>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 22
Posted: Wed Nov 14 20:03:55 1990
```

In article <39651@genrad.UUCP> dls@genrad.com (Diana L. Syriac) writes:
>This is just to let you know that I've finally updated the Ham Stacks
>
>Evenutally, these stacks will be available via anonymous ftp thru Patty Winter
>(winter@apple.com) or her associates.

The stacks will be in the /pub/ham-radio directory. I'm not doing the
posting, so I'm not sure exactly when the new ones will be there, but
it should be soon.

I believe that several other FTP sites and BBSs carry the stacks, also.
Perhaps people from those sites could post the details.

Patty

```
--
*****************************************************************************
Patty Winter N6BIS                        INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                     UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From 465322613996590453
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d2aeed2f8cb2d577
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 11:07:08 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!agate!ucbvax!hplabs!hpfcso!
hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: Move earthquake
Message-ID: <18230048@hpfcdj.HP.COM>
Date: 14 Nov 90 19:07:08 GMT
References: <1905@n8emr.UUCP>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 12
Posted: Wed Nov 14 20:07:08 1990

>Did anyone catch the call plates in the NBC miniseries LA EarthQuake?
>Call plates for NE6HK were shown on a car under a pile rubble.

Try KE6HK. I'm certain that the call began with "K", and reasonably sure
of the suffix. I think that NE6HK would not currently be a valid call.

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
```

```
myers@fc.hp.com                          |  sentient life-form on this planet.
```

From -3386376968069436537
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2ac6e0a49bad17aa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 12:01:20 PST
Path: gmdzi!unido!mcsun!uunet!know!sdd.hp.com!uakari.primate.wisc.edu!
dali.cs.montana.edu!milton!ogicse!emory!hubcap!bjb
From: bjb@hubcap.clemson.edu (BJ Backitis)
Newsgroups: rec.ham-radio
Subject: Re: ATV Radar
Message-ID: <11623@hubcap.clemson.edu>
Date: 14 Nov 90 20:01:20 GMT
References: <9011141654.AA19790@ucsd.edu>
Organization: Clemson University, Clemson, SC
Lines: 28
Posted: Wed Nov 14 21:01:20 1990

jpedley@RIA-EMH2.ARMY.MIL ("John Pedley, AMSMC-DSP-L") writes:

>We have an ATV repeater here (Davenport, Iowa) where one channel is a direct
>weather radar feed from the National Weather Service, courtesy of the TV
>station where the repeater is located. Works very well and is used a great
>deal by the weather spotters and county EOC.
>
>John Pedley
>N0IPO
>

In the upstate of SC, they are starting to install an ATV radar link for
the county EOC offices (whose communications are usually handled thru
hams who are members of the CD/EP organization). According to the
plans, it will be kept controlled, with a 2m control link being used (a
DTMF key sequence required to activate the ATV transmission)... I don't
think they are planning to give access to weather spotter groups, but
with the strong support spotters have received from the local NWS WO,
I wouldn't be surprised it that was changed after an initial period.

73 de BJ, KM4RB

```
--
BJ Backitis (KM4RB)       | BJB@CLEMSON.BITNET     | "There are a great many
Info. Systems Development | BJB@HUBCAP.CLEMSON.EDU | people in this country
Clemson Univ. Division of | {...}!emory!hubcap!bjb | who, through no fault of
Comp. & Info. Technology  | All usual disclaimers  | own, are sane."
```

From 2544796978958658223
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d5f33337cabdcfad

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 12:12:59 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!ut-emx!trey
From: trey@ut-emx.uucp (Trey Garlough)
Newsgroups: rec.ham-radio
Subject: Re: Extra Class ?
Message-ID: <39722@ut-emx.uucp>
Date: 14 Nov 90 20:12:59 GMT
References: <17190@shlump.nac.dec.com> <1133@tsdiag.ccur.com>
Organization: The University of Texas at Austin; Austin, Texas
Lines: 57
Posted: Wed Nov 14 21:12:59 1990
```

In article <1133@tsdiag.ccur.com> davet@tsdiag.ccur.com (Dave Tiller N2KAU) writes:
>I've only been a licensed ham for about one year now, but I've been interested
>in the hobby and have listened in for about 10 years. After hearing some of
>the absolutely moronic and obnoxious things done by extras (not to mention
>watching one blow out the finals of a radio 'cause "He was an extra and knows
>how to tune a radio") I'd have to agree with you.

I've noticed that many new hams (and non-hams) seem fixated on the issue of license class. I realize the following must be obvious, but let me say it anyhow: "There is no correlation between a person's license class and their mastery of the radio arts."

Evidently, a number of people consider the matter of license class to be an esteem issue as well. I consider this an unrealistic way of looking at things.

When the Amateur Extra class first came out, a few people ran out and took the test as a geewhiz kind of thing. Then the "higher class license -> more spectrum" thing came along and a bunch of people upgraded because of the "incentive." It wasn't really a matter of oneupsmanship.

I got my license after the current scheme was pretty well established and I upgraded for pretty much this same reason. I was getting frustrated by my lack of access to certain parts of the spectrum (7.000-7.025 and 3.500-3.525 in my particular case), so I changed that by going to Houston and taking a test. It wasn't a showoff type thing -- it was a matter of doing something for myself to get more out of the pursuit (and life in general, I suppose).

If I had become a VHF/UHF nut from the start, I might have never made it past Technician Class, because I could do everything I needed to do and becuase I percieve the geewhiz value of upgrading as very small (compared to the geewhiz value of wireless communication).

Then the Volunteer Examiner program came along (making amateur radio more accessable, which is probably a very good thing). I would guess this provided the impetus for most of the local non-hf people to upgrade to Extra. Holding any lesser class license would hinder these people from being completely effective as VEs. Once again, it wasn't a "ha ha

-- I'm smarter than you" exercise.

A lot of these people still don't know much about hf, or DSP, or packet or whatever. If judgements of individuals must be made, they should be made on the capabilities of the individuals, not on license class held.

I would like to see people get a little less emotional (defensive?) about a particular class of license someone holds. There has been a lot of emotional talk in this group about restructuring the current system and the future of ham radio and so forth. Go ahead and get emotional about these issues. These are *not* the issues I am talking about. I am specifically addressing the mistaken notion that there is a meaningful relationship between the license class someone holds and the amount of skill or knowledge he or she has.

Trey Garlough
Computation Center, University of Texas, Austin, Texas 78712
trey@sirius.cc.utexas.edu (internet) (512-471-3241)

From -11798150529439524
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2a67f38c8f69b932
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 153dd0,2a67f38c8f69b932
X-Google-Attributes: gid153dd0,public
X-Google-Thread: 109f45,2a67f38c8f69b932
X-Google-Attributes: gid109f45,public
X-Google-Thread: f8421,2a67f38c8f69b932
X-Google-Attributes: gidf8421,public
X-Google-Thread: 104158,2a67f38c8f69b932
X-Google-Attributes: gid104158,public
X-Google-ArrivalTime: 1990-11-14 12:17:34 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!unixhub!shelby!paulf@shasta.Stanford.EDU
From: paulf@shasta.Stanford.EDU (paulf)
Newsgroups: talk.politics.mideast,talk.politics.misc,misc.headlines,rec.ham-radio,rec.redio.shortwave
Subject: Re: ARF ENDS BOYCOTT
Message-ID: <16@shasta.Stanford.EDU>
Date: 14 Nov 90 20:17:34 GMT
References: <1990Nov14.033744.9490@ddsw1.MCS.COM>
Organization: The Three Packeteers
Lines: 34
Xref: gmdzi talk.politics.mideast:2470 talk.politics.misc:5401 misc.headlines:3061 rec.ham-radio:16875
Posted: Wed Nov 14 21:17:34 1990

In article <1990Nov14.033744.9490@ddsw1.MCS.COM> arf@ddsw1.MCS.COM (Jack Schmidling) writes:
> Interesting word, probabilistic. If you are questioning the
> legality of ARF, give up. The Forum is not only well within
> the legal constraints of amateur radio, it is very popular

I'm afraid that the FCC doesn't agree with you. I can't comment on the specifics. But I would generally encourage people to call their local FCC field office, as it does make a difference in these sorts of matters.

> and probably the only worthwhile and constructive use
> currently being made of the amateur frequency allocations.

Clearly not true. Although nearly every faction in ham radio thinks that their little niche is the most important, it is the collective that keeps the spectrum open.

> I hate to burst your bubble, but I stopped keeping records
> when the "roll call" reached 1000. That's 1000 different
> hams actually participating in the discussions, not to
> mention those that just listen, in addition to tens of
> thousands of shortwave listeners. I receive cards and
> letters from listeners all over the world.

Not suprising, since ARF is austensibly a broadcast operation. Your claimed figures clearly bely your motives. By your own admission, ARF is 90% broadcasting and 10% ham radio.

You really should look into getting a broadcasting license. If nothing else, you can run all the power you like. If the audience is as big and as devoted as you claim, you should have little problem raising the money for the license and the type-accepted transmitter.

-=Paul Flaherty, N9FZX | Life is an inherent shift - reduce conflict.
->paulf@shasta.Stanford.EDU |

From -9104264129133423396
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 12:35:48 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!apple!agate!ucbvax!hplabs!hpfcso!vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <7500045@hpfcso.HP.COM>
Date: 14 Nov 90 20:35:48 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 31
Posted: Wed Nov 14 21:35:48 1990

/ hpfcso:rec.ham-radio / chuck@npdiss1.StPaul.NCR.COM / 11:14 am Nov 12, 1990 /

I passed my General CW portion on a wing and prayer, and I never intended upon using CW since I love computers and digital modes.

--

Chuck Rissmeyer - c.rissmeyer@StPaul.NCR.COM
KE0VG   - KE0VG @ WB0GDB.mn.usa.na.earth
MENSA   - Minnesota (1129142)

As I've been reading this (yet another) CW discussion I've been getting this idea.....

Isn't CW one of the simplest digital modes? What better introduction to learning communications theory and basic digital communications is there. Especially since it's one mode that can actually be run using the in-born bio-computer.

I suggest that the Amateur galaxy could be enhanced in two directions.

1.) Consider CW as a digital mode. It should be taught in comparison with some of the other simpler modulation methods. Let's start showing how the bandwidths compare and B.E.R.'s and S/N power requirements.

2.) While CW can be run by a human - there's no reason it has to be. How fast can a couple PC's communicate using CW on the HF bands? Are there optimizations to the spacings that improve the performance. What if CW was sent in packets - complete with ACKs or NAKs? Are there any BBS's on the air using CW? How about putting Phil's TCP/IP on CW? You can't ask for a simpler computer-to-radio interface.

From -3355437910053638352
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd82abe6ebe5be2a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10fd50,cd82abe6ebe5be2a,start
X-Google-Attributes: gid10fd50,public
X-Google-Thread: fddbf,cd82abe6ebe5be2a,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 105d97,cd82abe6ebe5be2a,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-11-14 13:07:44 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!mintaka!spdcc!mirror!necntc!necis!rbono
From: rbono@necis.UUCP (NM1D)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.electronics,alt.bbs.ads
Subject: packet radio overview
Message-ID: <1400@necis.UUCP>
Date: 14 Nov 90 21:07:44 GMT
Organization: NEC Technologies, Inc., Boxborough, MA
Lines: 307
Xref: gmdzi rec.ham-radio:16882 rec.ham-radio.packet:3049 sci.electronics:9643 alt.bbs.ads:88
Posted: Wed Nov 14 22:07:44 1990

An Amateur Packet Radio Overview

by

Rich Bono (NM1D)

October, 1990
(revision 1.2)

The following is the result of a non-amateur asking some basic questions about amateur packet radio. Several of us thought that this information would be useful to others who are interested in amateur packet operations. Thanks to Tim Dayger for asking the right questions, and to Patty Winter (N6BIS) for her editing skills. I hope that this will be of help to many others. You may reproduce and distribute this as long as my credits remain.

Rich Bono (NM1D)

Our potential amateur packet radio operator asks:
I've used networks, on-line services, and bulletin board systems (BBS) for years, but I've never really paid much attention to amateur packet radio. I'm starting from scratch, and need to have some idea of where to begin.

Just what IS amateur packet radio?

Amateur packet radio is (yet another) digital transmission method available for use via amateur radio. It provides 'error free' transmission and reception of messages (information/data/etc.) between two stations. This error-free capability is a prime consideration. Error free in this context does not mean that your typing or spelling mistakes will be fixed, but that all transmitted 'data' will be received 100% intact, as sent. In fact, if the data cannot be delivered 100% intact, the transmission is eventually aborted and the user is informed that there is no longer a connection between the two stations.

The 'packet' in 'packet radio' comes from the method of transmitting your information over the air. Your data is broken up into packets (or blocks) that are transmitted. Each packet contains the sending and the receiving station call-signs and some optional routing information. A packet can contain from 0 to 256 data (or information) bytes. The users normally do not need to be concerned with this 'packetizing' of their messages. Each packet is sent and then acknowledged by the receiver when received. If a packet is not received correctly, then it is automatically re-transmitted (up to a maximum number of times). You normally don't have to know about all this to use packet radio. The 'packetizing' happens automatically, without any thought or actions required by you.

One of the more popular protocols used for amateur packet radio is known as AX.25. This is somewhat similar to the commercial X.25 standard. There is also a growing TCP/IP user base. If you are not network oriented, then the details of these protocols are not important to you as an operator of a packet radio station.

Be aware that most packet radio operation at this time is at 1200 baud. This will seem slow when compared to what it happening on networks, and on telephone BBSs.... but what is gained is world-wide access, for NO COST. Once you have your equipment, and your license, there are no fees (except for the electricity that your computer and other equipment use). There are a growing number of amateurs who are experimenting with 2400 and even 9600 (or higher) baud operation, so it shouldn't be too long before these faster rates become very popular!

What kind of equipment do I need, and how do I use it with my PC?

Since you own a PC, you already own the most expensive part of an amateur packet radio station. The other piece of equipment that you need is the TNC (terminal node controller). The TNC contains all the software and special hardware that you need. It actually contains the modem (to interface with your radio) and (usually) a microprocessor with the packet software contained in EPROM. You interface your PC (or even a simple dumb ASCII terminal) with the TNC via serial RS-232. Use your favorite terminal emulation software on your PC (the same software that you use with your telephone modem will probably work fine). This is just as easy as connecting your computer to a modem. If you don't want to use the serial port of your computer, there are TNCs available that will plug directly into the bus.

If you don't have a PC (personal computer), then almost any RS-232 ASCII terminal will work with most of todays TNCs.

The most popular packet frequencies in the USA are in the two-meter band (144-148 MHz). Check out the following frequencies (they may be different in your area; ask a local amateur if you don't hear anything). Even the typical 'police scanner' can be used to listen to these frequencies:

145.01, 145.03, 145.05, 145.07, 145.09 MHz

If the above are busy, many areas also use:
144.91, 144.93, 144.95, 144.97, 144.99 MHz

Yes, this is with an average FM transceiver set for SIMPLEX operation (transmitting and receiving on the same frequency).

If there are packet radio transmissions you should hear a sound like:

BBBBbbbbbrrrrraaaaaaapppppp

How much technical or hardware proficiency is required to use a packet radio system?

If you can plug an RS-232 cable into a modem, and wire the TNC to your radio, then you have all the ability that you need. I am sure that there are hams in your area who would be glad to help you if you are not comfortable with wiring a microphone connector. Most TNCs connect to the microphone plug of an FM transceiver, normally only needing push-to-talk and transmit audio connections, and a connection to the speaker audio output from the FM receiver. This consists of about five wires, and can usually be done without removing the covers of the radio (these are normally external connections).

Installation really is very simple, and once it is done, there is virtually no maintenance. Just plug in your TNC in place of your microphone and external speaker, and you're on the air... to return to voice operation, plug in your microphone. If you like, build a simple switch box to allow easy changing between your TNC and voice operation. I don't recommend it, but some people wire the TNC and microphone in parallel, so that they don't need to change the plugs, or switch anything at all.

What's out there for me to access via packet radio and what potential is there for growth?

This is the interesting part! I believe that packet radio is still in its infancy. It seems like every day a new application for packet radio is announced... some are good ideas... others not. By the time you read this, a lot of the information presented here will probably be out of date; yes this technology is progressing!!!

Here is a *simple* list that barely highlights some of the available uses of amateur packet radio.. I am SURE that I have forgotten something and left it off the list:

EMAIL:

At this time we have world-wide email (electronic mail) distribution. I personally have received email from a few continents, and from all over the USA. Of course, this is limited by the amateur radio rules and regulations, so there cannot be any commercial messages.

Local networks:

Here in New England we have connectivity over most of the region. I can connect to other stations from the following areas consistently: Canada (Montreal), Vermont, New Hampshire, Maine, Connecticut, Massachusetts, Rhode Island and New York. I should note that I am located about 10 miles north of the MA/NH border (in Derry, NH).

Of course, on the HF (high frequency) bands there can be world-wide connectivity, depending on many factors.

PacketCluster-DX spotting:

This is a specialized system that allows a couple of hundred users to be connected to the same system at one time. It is used by those amateur operators who seek contacts with rare stations throughout the world. When any one user 'finds' a rare station on the air, he simply types the information (call-sign, frequency and mode) into his terminal, and within a minute or so, all of the other users are informed of the rare station!!! So-called "DXers" (people who like to hunt these rare stations) LOVE this system. These users can be spread over a wide area. Our local packet cluster system has connectees from Maine to New York.

DOSGATE:

A system that allows you to execute programs remotely. A DOSGATE system may have many programs for you to use over the air. You don't need to download the programs to use them; you are actually running programs remotely. DOSGATE allows those who don't have a computer to run programs via packet radio.

For example, my DOSGATE system has the following programs available for use by remote packet users:

AUTOEXAM: Take sample amateur exams from Novice to Extra. You can use AUTOEXAM as a study guide, or to see if you are ready for a certain license exam.

SeeSats: Real time satellite tracking. Informs you of where the current OSCAR (and other) satellites are located.

AUTOCALL: On-line amateur radio USA call-sign lookup database. Simply enter the call-sign of any amateur radio operator in the USA and it will print out the name, address, license class and previous call-sign (if any).

GAMES: Several adventure-style games that can be played on-line.

Repeater database: A database of many of the repeaters in the area.

Gateways:

Even though you may not own any HF or UHF equipment (many packet radio operators only use a simple hand-held VHF transceiver), you can gain access to other bands and operating modes by using a gateway. A gateway allows connectivity between two normally non-connectable communication technologies.

In many areas not only are there major BBSs on the standard two-meter Technician class frequencies and the 222 MHz Novice class sub-band, but there are cross-band gateways available as well. A Novice on the 222 MHz band can connect to a station on the 145 MHz band by going through a gateway and be able to communicate with many other amateurs.

Public Service:

Many packet stations are used to help out with sending messages during disasters. Amateur radio operators help out whenever they can, and many hams have their packet stations ready for portable operation to help when needed. There are many training exercises during each year to help practice and test the readiness of the emergency stations.

OSCAR Satellites:

OSCAR stands for Orbital Satellites Carrying Amateur Radio. We have our OWN satellites in orbit that are dedicated for amateur radio use. There are some satellites that are dedicated to packet radio (sometimes called "PACSATS"). These are for 'store-and-forward' operations to help distribute packet traffic around the world.

Bulletin boards:

These carry postings similar to the stuff on Usenet (or telephone BBSs) and often have archives of useful files (such as local ham license testing sites). These are usually the same packet nodes that transport email.

File transfers:

Better at 56 Kbaud (as some hams are doing), but feasible at 1200 baud. On TCP/IP, you just start it and forget it, so you can do it overnight or at some other time when you don't care whether it takes a while.

Databases:

In some areas there are HAZMAT (hazardous materials), call-sign, and repeater databases accessible via the network.

Station-Station:

I almost forgot.. many people simply enjoy chatting with their neighbors.... This could be with people across the street... or in the next state... or half-way around the world!

I am sure that I have missed something. You asked about potential... as I mentioned at the beginning, we are just getting started!!! Many people are just finding out about packet radio. I believe that the only limitation is our imagination!! We could have a world-wide network (we do currently have a 'slow-speed' world-wide network) in the near future... It just takes a little imagination...

How much will a packet radio set-up cost me? How COST EFFECTIVE is packet radio?

Well, if you own the PC already... TNCs can be purchased from about $120.00 on up. There are a few for less money, and several that provide for operating on many digital modes in addition to packet radio (i.e., the Kantronix KAM will provide for packet (HF:300 baud/VHF:1200 baud), AMTOR, RTTY, ASCII, NAVTEX, WEFAX, CW (Morse code),...).

If you already own an amateur FM transceiver (or an HF SSB transceiver) then you have all the equipment needed. If not, a two-meter FM transceiver can be purchased for used from $100-250.00, new from $300.00 on up.

Cost effective.... Hmmm, well first be aware that amateur radio cannot be used for any commercial or business purposes... But where else can one get hours (years) of enjoyment and service out of $470.00 ($350 for a radio and $120 for a TNC, assuming you already have the computer or terminal). Note: This stuff can be contagious.... be forewarned!!

What legal issues do I need to consider regarding packet radio? Do I need a license?

Yes, you need a valid amateur radio license. There is (in the southern New Hampshire area) packet radio activity on the Novice bands. But if you want access to the mainstream of packet radio, you will want at least a Technician amateur radio license. (Although, as mentioned earlier, some areas have an active packet radio network that is accessible with the Novice amateur radio license.)

I've tried reading about amateur packet radio, but a lot of it is Greek to me. Please suggest some reading materials such as books and magazines that my campus or local libraries might carry.

There are a few books, etc... but I have found that most assume that you already know about amateur radio. You need to find what we call (ready for another term?) an "Elmer". An "Elmer" is a friendly, helping amateur radio operator who will take you under his/her wing to help and guide you as much as you need. I hope that you can find someone to help you... it takes a special kind of person to be an 'Elmer' (gosh I hate that term).

Good luck with your packet radio activities. If you find this information helpful, I would be glad to hear from you.... How? Simply send me a message via the amateur packet network, NM1D@WB1DSW.NH.USA.NA from anywhere in the world!

```
 /**************************************************************************\
 * Rich Bono (NM1D)    If I could only 'C' forever!!    rbono@necis.nec.com *
 * (508) 635-6300          NEC Technologies Inc.               NM1D@WB1DSW *
 \**************************************************************************/
```

--

```
 /**************************************************************************\
 * Rich Bono (NM1D)    If I could only 'C' forever!!    rbono@necis.nec.com *
 * (508) 635-6300          NEC Technologies Inc.               NM1D@WB1DSW *
 \**************************************************************************/
```

From -380800296179517564
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f67a5452862d8cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 14:06:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: DSPer's Work Bench ?
Message-ID: <593@chiton.ucsd.edu>

Date: 14 Nov 90 22:06:25 GMT
References: <7880353@hpfcdc.HP.COM> <22628@ucsd.Edu>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 21
Posted: Wed Nov 14 23:06:25 1990

In article <22628@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>
>DSP in a nutshell? No, not even. But maybe I've whetted your curiosity?
>Check out the library! Even the Handbook has some info on DSP.

A good book on the math behind what Brian has described is "Signals and Systems", by Oppenheim and Willsky. Prentice Hall. If you really want your mind bent "Digital Signal Processing", by Oppenheim and Schafer, Prentice Hall, has been the basic text for the past decade. There are newer texts out today and they are coming out faster now that the field is heating up. Be prepared for some heavy math-o-matiks if you get into the theory but as hardware comes on line cookbook solutions for the Amateur will become more available.

AA6PN

--
richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From -3390915302595436298
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5c2ff00e18ade255
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,5c2ff00e18ade255
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-11-14 15:20:11 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!wuarchive!udel!haven!decuac!bacchus.pa.dec.com!news.crl.dec.com!halbert
From: halbert@crl.dec.com (Dan Halbert)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: COMMUNICATIONS QUARTERLY, premier issue
Keywords: HRM, Ham Radio Magazine, Communications Quarterly
Message-ID: <1990Nov14.232011.17736@crl.dec.com>
Date: 14 Nov 90 23:20:11 GMT
References: <112@thoreau.nsc.com>
Sender: news@crl.dec.com (USENET News System)
Reply-To: halbert@crl.dec.com
Organization: DEC Cambridge Research Lab
Lines: 5
Xref: gmdzi rec.ham-radio:16888 rec.radio.shortwave:2715
Posted: Thu Nov 15 00:20:11 1990

I was able to subscribe to Communications Quarterly by calling the CQ (ex-Ham Radio) Bookstore in New Hampshire. I was ordering some books and the clerk mentioned the magazine. For some reason, the price was unclear to both of us, so don't ask me.

Call (800) 457-7373. They answered the phone "CQ North".

--Dan, KB1RT

From -3325916324952526052
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 15:53:02 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!usc!wuarchive!
julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov14.235302.27386@ux1.cso.uiuc.edu>
Date: 14 Nov 90 23:53:02 GMT
References: <703@npdiss1.StPaul.NCR.COM>
Organization: University of Illinois at Urbana
Lines: 17
Posted: Thu Nov 15 00:53:02 1990

chuck@npdiss1.StPaul.NCR.COM writes:

>Argue all you want about the merits of testing for CW as a
>prerequisite for getting a HAM license, but there's something missing
>if you don't know and use it.

But as long as you don't consider me any less of a ham for not knowing it and not using it, then I'll just live with half my life missing :-)

>I hope CW never dies and that CW operators continue to epitomize
>what's good and fascinating about Amateur Radio.

With no-code, only the really dedicated will learn code.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 5390154619369116785
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 15:57:09 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!usc!
julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil

From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov14.235709.28010@ux1.cso.uiuc.edu>
Date: 14 Nov 90 23:57:09 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp> <7880364@hpfcdc.HP.COM>
Organization: University of Illinois at Urbana
Lines: 47
Posted: Thu Nov 15 00:57:09 1990

perry@hpfcdc.HP.COM (Perry Scott) writes:

>>I think I have the perfect solution.
>>
>>Access to the CW part of the spectrum should be permitted only to
>>those who know the Morse code.

>The CW part of the spectrum is also commonly used for other modes, such
>as RTTY, HF packet, FAX,... Fragmenting the spectrum for a CW-only
>band (where no other modes are allowed) would be a waste of a shared
>resource.

Except for the two CW ONLY subbands on 50.0-50.1 and 144.0-144.1.

>>Access to other parts of the spectrum should be permitted only to those
>>who have the appropriate skills. E.g., only people who can speak
>>should be allowed to use phone, only people with functioning EME
>>equipment should be allowed to bounce off the moon, etc,

Only people who have Morse encoding and decoding equipment should be
allowed to use Morse code (biotechnology permitted).

>Is this a variation of "if you can buy the equipment, you can use the
>resource" ? That idea sounds like elitism, although it does somewhat
>reflect the current reality.

Unfortunately it is reality. But one CAN buy or build equipment to do
all the Morse Code operating if they want.

>"Appropriate skills" sounds like a variation for multiple operating test
>elements to replace the code element. That would drive the VECs buggy,
>and/or make it difficult for a prospective ham to find a VEC that could
>test him on his favorite mode.

It would also increase the paperwork load on the FCC, and push license
processing into the 12-18 month category.

>>It's silly to require people to learn the Morse code in order to just
>>be allowed to talk.

>Tell it to the WARC - they're the ones that require Morse of HF users.

Hey, there is one coming up soon.

--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -153609005823945204
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b4387f31195990d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 16:01:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Code & Other requirements
Message-ID: <1990Nov15.000144.28803@ux1.cso.uiuc.edu>
Date: 15 Nov 90 00:01:44 GMT
References: <9010231256.AA05779@lonex4.radc.af.mil> <7500042@hpfcso.HP.COM>
Organization: University of Illinois at Urbana
Lines: 34
Posted: Thu Nov 15 01:01:44 1990

vodall@hpfcso.HP.COM (Bill Vodall) writes:

>My current license (which I obtained in 1984 at the Seattle FCC office)
>required that I pass a 20 w.p.m. code test. Therefore the implication of
>holding the license is that I have passed the test and thus should know
>the code.

That only means you once knew it. It says nothing for certain about the
present.

>If you hold a X class license - it should be fair to assume that (at one time)
>you knew the code well enough to pass the test to acquire that license. The
>only alternative is that you cheated.

Yes, at one time.

>I know of some cases where folks holding a "conditional" class license were
>required to show up for re-examination. This license was the same as the
>current general class - only it was given by a single volunteer examiner.
>Needless to say, folks cheated. (i.e. Bring over a bottle of booze and we'll
>take your test.)

These are no longer issued.

>Back in the early 70's it was a renewal requirement that you sign a statement
>saying you had spent some trivial amount of time operating and that you
>still knew the code.

They were wise to remove that requirement. Continuing to know code is no
more relevant to voice and packet modes than is learning it once is.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From -7020307007797269304
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f7d50eea31a7753
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9f7d50eea31a7753
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,9f7d50eea31a7753
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,9f7d50eea31a7753
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-14 17:31:04 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!news-server.csri.toronto.edu!rutgers!
news.cs.indiana.edu!news.nd.edu!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-
radio
Subject: Re: 8mm. camcorders
Message-ID: <439.2741AAB7@w8grt.fidonet.org>
Date: 15 Nov 90 01:31:04 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 22
Xref: gmdzi rec.radio.shortwave:2725 rec.ham-radio.swap:796 rec.ham-
radio.packet:3055 rec.ham-radio:16918
Posted: Thu Nov 15 02:31:04 1990
```

```
 > From: lrj@ishtar.cs.cornell.edu (Lew Jansen)
 > Date: 13 Nov 90 20:23:23 GMT
 > Organization: Lab of Atomic and Solid State Physics, Cornell University
 > Message-ID: <48293@cornell.UUCP>
 > Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,
 > rec.ham-radio
 >
 >
 > > [lots of stuff deleted...]
 >
 >   What does all this have to do with rec.radio.shrotwave,
 > rec.ham-radio.packet, rec.ham-radio, and rec.ham-radio.swap???
```

Well, I'm not convinced that it has no relevance to amateur TV and/or Novice training tapes, but in any event my question has been answered, and I'm grateful to all who offered suggestions.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

```
From 4099943036746300032
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cdd661e726bd7d64,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 17:53:51 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: gender pronouns ad nauseum
Message-ID: <9011150153.AA21800@tilde>
Date: 15 Nov 90 01:53:51 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Thu Nov 15 02:53:51 1990
```

Perhaps we can declare "him", "her", "his", and "hers" non-words in Ham radio. That should solve the (supposed) problem.

73,
Dube N5PDK

```
From 3859523605455541102
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32acb5c1a574d147
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 21:46:19 PST
Path: gmdzi!unido!mcsun!uunet!nih-csl!lhc!ncifcrf!haven!udel!wuarchive!
zaphod.mps.ohio-state.edu!mips!public!rah
From: rah@public.BTR.COM (Richard A Hyde  rah@btr.com)
Newsgroups: rec.ham-radio
Subject: Re: Updated Macintosh Ham Stacks (for HyperCard) now available
Message-ID: <993@public.BTR.COM>
Date: 15 Nov 90 05:46:19 GMT
References: <39651@genrad.UUCP> <1990Nov14.174405.10634@midway.uchicago.edu>
Organization: BTR Public Access UNIX, MtnView CA, Contact: cs@btr.com 415-966-1429
Lines: 25
Posted: Thu Nov 15 06:46:19 1990
```

In article <1990Nov14.174405.10634@midway.uchicago.edu> pbhx@midway.uchicago.edu (Peter B. Hayward) writes:

```
|In article <39651@genrad.UUCP> dls@genrad.com (Diana L. Syriac) writes:
|
|>This is just to let you know that I've finally updated the Ham Stacks to
|>the latest question pools.  It has been a long hard battle, since I have been
|>unable to GET the latest question pools until just recently.
|>  (data on how to get them)
|
|I wish there was some way the Mac-based ham community could truly reward
|Diana for these stacks. I used her earlier sets to go from nothing to Extra
|in just over a year. Of course, I read the books, but the ability to have
```

hypercard test me over and over again helped me realize where I needed more
studying (and helped me with the famous exam nerves syndrome.)
|
|So, Diana, for all of us: Thanks so much!!!

Hear, Hear!

I used Diana's stacks to pass my Technician test with flying colors!
Couldn't have done it without her. Thanks Diana!!

```
--
------------------------------------------------------------------------------
|   Richard Hyde  |  RaH@btr.com  |    This space intentionally left blank   |
------------------------------------------------------------------------------
```

From -431381960187943887
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b4387f31195990d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 01:22:45 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Code & Other requirements
Message-ID: <1990Nov15.092245.17145@ux1.cso.uiuc.edu>
Date: 15 Nov 90 09:22:45 GMT
References: <9010231256.AA05779@lonex4.radc.af.mil> <7880348@hpfcdc.HP.COM>
<592@chiton.ucsd.edu> <1534@ke4zv.UUCP>
Organization: University of Illinois at Urbana
Lines: 11
Posted: Thu Nov 15 10:22:45 1990

One does not need to actually know Morse Code to work Morse Code. You just
need the appropriate encoding and decoding equipment in such a case. That's
not to say manual Morse Code is not enjoyable, its just that there really
are other ways to do it.

Someday I'd like to get involved in DSP processing for EME contacts using
Morse Code and packet.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 9135396333859121472
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ce6d7d9a38426fe8,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-11-15 03:16:23 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!agate!ucbvax!
ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House,
Swindon")
Newsgroups: rec.ham-radio
Subject: DSP Article.
Message-ID: <15.Nov.90.11:18:16.GMT.#0957@UK.AC.NWL.IA>
Date: 15 Nov 90 11:16:23 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Thu Nov 15 12:16:23 1990

Anyone who has access to the UK edition of 'Personal Computer World'
for December 1990 should take a look at the introduction to DSP article
(page 218).
It is part 1 of a 2-parter, and gives a good description of the evolution of
DSP, architecture etc.

Pete Lucas G6WBJ   G6WBJ@GB7SDN.GBR.EU PJML@UK.AC.NWL.IA 0793-411613

From 7024785274898360138
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,662ec33d218db90
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 04:24:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ncar!umigw!
rsmas!eakin
From: eakin@rsmas.miami.edu
Newsgroups: rec.ham-radio
Subject: Re: RF attenuation through PVC
Message-ID: <10794.274250ab@rsmas.miami.edu>
Date: 15 Nov 90 12:24:11 GMT
References: <6960@sun103.cel.co.uk> <1990Nov12.112155@koning.enet.dec.com>
Lines: 25
Posted: Thu Nov 15 13:24:11 1990

I've used the US standard white PVC for winding coils & never had any
indication of RF burning or melting it. This was the core of a 40-80 dipole.
As a matter of fact, the PVC even held up when the antenna took a lightning hit
at Field Day!

PVC is also used as the body of several antenna, as well as casings for some
radar units.
I doubt if you will find much absorbtion of RF by the white PVC.

BTW, when you get the antenna working, would you mind posting the design on the
net? A PVC housed gain antenna could be very useful, especially in
apartment/condo installations. I can imagine alot of cases where you could get
away with installing a PVC "drain pipe" or "electrical conduit" in no antenna

subdivisions. As a matter of fact, something like that may work in the place that I'm about to move into.

73 de Mark

--
C. Mark Eakin
Internet: Eakin@RSMAS.miami.edu
Amateur Radio: N4SYK   Packet Radio: N4SYK@AB4LU.FL.USA.NA
USnail: Univ. of Miami, RSMAS-BLR, 4600 Rickenbacker Cswy. Miami, FL 33149-1098

From 1812752447450115261
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9143ba663d142e1f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 05:37:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!lavaca.uh.edu!menudo.uh.edu!lobster!urchin!f8324.n106.z1.fidonet.org!Christopher.Boone
From: Christopher.Boone@f8324.n106.z1.fidonet.org (Christopher Boone)
Newsgroups: rec.ham-radio
Subject: Re: Where can I get a Kenwood owner/tech/users manual?
Message-ID: <3519.27433B8C@urchin.fidonet.org>
Date: 15 Nov 90 13:37:09 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8324 - Far Point Relay Ham, Katy Tx
Lines: 4
Posted: Thu Nov 15 14:37:09 1990

Call Kenwood in Calif....they will have it in stock, Im sure...

73
WB5ITT

From -5093680475527998701
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0ede5f8a7051f6c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 06:16:51 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!abvax!iccgcc!macmillan
From: macmillan@iccgcc.decnet.ab.com
Newsgroups: rec.ham-radio
Subject: PRB-WON Game Point ; partial text of COURT ORDER # 2
Message-ID: <2020.27425d03@iccgcc.decnet.ab.com>
Date: 15 Nov 90 14:16:51 GMT
Lines: 29
Posted: Thu Nov 15 15:16:51 1990

The following is a portion of the order from the second order from the

UNITED STATES DISTRICT COURT
NORTHERN DISTRICT OF OHIO
EASTERN DIVISION

WHICH WAS FILED NOV-13-90 / JUDGE FRANK J. BATTISTI

START OF QUOTE:

Defendants make the alarming allegation that the new review " is consistant with and is not a material alteration of previous consideration of PRB-1 by ROCKY RIVER." This statement is followed by a citations to the transcript of the prior review which indicates that PRB-1 and technical data were submitted for consideration. The defendants ought not to think that they will comply with this courts order by going through the motions of denying Mr. MacMillan another permit. Any decision to disregard the federal interests raised in PRB-1 must be based upon substantial justification and explained in the record. Defendants should keep in mind that after this litigation that it may be more difficult to support a claim for qualified immunity if they once again fail to sufficiently consider the federal interests involved.

Plaintiff's motion for section 1988 attorney's fees is GRANTED.

END OF QUOTE: THIS ORDER CONSISTED OF SEVEN PAGES. WILL BE POSTED HERE SOON.

DE WA8ZHN / JIM (216) 333-2235 - QTH
W2THU BOB WINSTON esq. days (216) 771-3314 / League counsel

From -3414961505243662789
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d5f33337cabdcfad
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 07:20:12 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!dali.cs.montana.edu!masscomp!ocpt!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: Extra Class ?
Message-ID: <1134@tsdiag.ccur.com>
Date: 15 Nov 90 15:20:12 GMT
References: <17190@shlump.nac.dec.com> <1133@tsdiag.ccur.com> <16819@netcom.UUCP>
Organization: Concurrent Computer Corp. Oceanport NJ
Lines: 34
Posted: Thu Nov 15 16:20:12 1990

In article <16819@netcom.UUCP> mojo@netcom.UUCP (Morris Jones) writes:
-davet@tsdiag.ccur.com (Dave Tiller N2KAU) writes:
->   I'd like to see a license
->class or endorsement the translated into real respect for _proving_ that you
->possess the _spirit_ of amateur radio, not just the ability to memorize a
->multiple-guess question pool.
-
-It can't be done because it can't be done objectively. What you're left with

-is a clique, a club of good-ol-boys, who are the only ones able to judge who
-is the true "keeper of the flame" for the future. Personalities will get
-involved. Feelings will be hurt and flames fanned.
-
-Do you have something else in mind? :)
-
-Mojo AA4KB

Well I certainly don't intend for it to become a clique. I didn't intend for it to be given by hams (although I fully support the VE program!). I'd like to see either the FCC or ARRL sponsor quarterly tests instead of VE's. I guess what I'd like to see is something similar to the work (but not the $$$) needed to get a pilot's license. You must show conclusively that you understand all of the principles involved, and you must also demontrate that knowledge. They also publish their question pool (I strongly disagree with this practice), but in addition to their written test, they also must show their prowess as pilots. It's extremely hard to get a pilot's license without actually understanding and being able to apply the material, but memorizing the answers to a question pool for the extra exam is easy without having in-depth knowledge. I agree, though, that if it can't be objective, it shouldn't be done. Thank you for your comments.
--
```
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

From -2417036170874359998
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 07:27:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!pacbell.com!att!news.cs.indiana.edu!news.nd.edu!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <443.274275E2@w8grt.fidonet.org>
Date: 15 Nov 90 15:27:19 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 32
Posted: Thu Nov 15 16:27:19 1990

> From: gary@ke4zv.UUCP (Gary Coffman)
> Date: 14 Nov 90 16:44:56 GMT
> Organization: Gannett Technologies Group
> Message-ID: <1531@ke4zv.UUCP>
> Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,
> rec.ham-radio
>

 > In article <407.273EF137@w8grt.uucp> jim.grubs@w8grt.uucp (Jim Grubs)
 > writes:
 > >
 > >Also, I would reduce maximum power to 200 watts for everyone. There's no
 > >earthly need for more than that and hasn't been since hams quit operating
 > on
 > >600 or 700 meters with rotary spark gap transmitters.
 >
 > Don't forget the moonbouncers, they still need the power for that path
 > unless
 > they use truely monsterous antenna arrays and/or lots of DSP. And when
 > they
 > have the monster arrays and lots of DSP the truly wacko will want to try
 > Mars bounce. :-)

Well, make that 200 watts for HF and non-moonbounce. But if you're going to
make an exception for EME, why stop at ONE KW? Why not 20? One wonders what
ingenious work with antennas, DSP, etc., would have been tried and perfected if
the KW was not available. Mars? Hmmm, lessee what's the pathloss for that...

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -820088526930836480
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d5f33337cabdcfad
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 07:30:21 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!dali.cs.montana.edu!
masscomp!ocpt!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: Extra Class ?
Message-ID: <1135@tsdiag.ccur.com>
Date: 15 Nov 90 15:30:21 GMT
References: <17190@shlump.nac.dec.com> <1133@tsdiag.ccur.com> <39722@ut-emx.uucp>
Organization: Concurrent Computer Corp. Oceanport NJ
Lines: 29
Posted: Thu Nov 15 16:30:21 1990

In article <39722@ut-emx.uucp> trey@ut-emx.uucp (Trey Garlough) writes:
-In article <1133@tsdiag.ccur.com> davet@tsdiag.ccur.com (Dave Tiller N2KAU)
writes:
->I've only been a licensed ham for about one year now, but I've been interested
->in the hobby and have listened in for about 10 years. After hearing some of
->the absolutely moronic and obnoxious things done by extras (not to mention
->watching one blow out the finals of a radio 'cause "He was an extra and knows
->how to tune a radio") I'd have to agree with you.
-
-I've noticed that many new hams (and non-hams) seem fixated on the issue

-of license class. I realize the following must be obvious, but let me
-say it anyhow: "There is no correlation between a person's license class and
-their mastery of the radio arts."

In this, Trey, you are absolutely right. That is why I'd like to see a way to prove one's "mastery of the radio arts" instead of one's ability to memorize question pools and decipher beep-beeps. I see many extra class operators around here who have a very (very!) holier than thou attitude, and claim that they can't be wrong 'cause they're extras. I may be a lowly tech, but when I can point to a reference in several books that show the extras ideas to be faulty and they still stick to 'well obviously the book is wrong," or, "why that doesn't apply to this situation," it bugs me. I would like to see a test that would truly separate the people who actually understand radio and those whose egos think they understand radio.
Thanks for your comments.

```
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

```
From -5917216441188236778
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f7d50eea31a7753
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 07:30:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!
pacbell.com!att!news.cs.indiana.edu!news.nd.edu!cartan!ndmath!nstar!w8grt!
jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: 8mm. camcorders
Message-ID: <444.274275E7@w8grt.fidonet.org>
Date: 15 Nov 90 15:30:38 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 20
Posted: Thu Nov 15 16:30:38 1990
```

```
 > From: gary@ke4zv.UUCP (Gary Coffman)
 > Date: 14 Nov 90 16:55:40 GMT
 > Organization: Gannett Technologies Group
 > Message-ID: <1532@ke4zv.UUCP>
 > Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,
 > rec.ham-radio
 >
 > A comment by someone who uses cameras professionally. In broadcast news
 > gathering, we find that the home cameras are too small and light to be
 > used properly.
```

Hmm, that's a point I hadn't considered. But when you're stalking a toddler, it's rather like combat photography. The amazing thing is you get it done at all. [:-)

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -114297785070999534
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1f6ce32ced218c9f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 07:35:48 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpcc05!hpcuhb!hpsqf!hpqmola!hpqmole!dstock
From: dstock@hpqmole.sqf.hp.com (David Stockton)
Newsgroups: rec.ham-radio
Subject: Re: ICOM receivers: R9000 or R71A and R7000
Message-ID: <410006@hpqmole.sqf.hp.com>
Date: 15 Nov 90 15:35:48 GMT
References: <378@chi.newt.sbi.com>
Organization: HP,Queensferry Microwave UK
Lines: 37
Posted: Thu Nov 15 16:35:48 1990

If you really are serious about that antenna farm, you won't be using low gain-wide band antennas. May I suggest that you treat each of your VHF yagis to its own personal band-specific converter. Switch the converter outputs and your HF antennas into into a good quality HF receiver. You can add antennas and converters as you want to extend your coverage. HF gear tends to have much more serious performance (eg. intermod) and facilities (eg. filters) than is usually to be found in VHF gear. The top VHF contesters and moonbounce people still use transverters and HF rigs for these reasons. You probably may want to use band-specific, switched pre-amps mounted at the antenna.

suppliers:
try MuTek , Microwave modules, Datong etc for amplifiers and converters

The JRC NRD525 and ICOM R71 are generally thought of as about the best nippon offerings. There were doubts expressed in QST some time ago about the R71 losing its internal software when its lithium battery runs down. if you want to go the whole hog, some very good professional receivers (eg RACAL RA1771/RA1772) are appearing on the surplus market.

If you want fancy memory and scanning facilities, dont compromise your choice of receiver, use a seperate computer as a controller.

Dont be seduced by toy spectrum analysers, a real one would cost more than your entire installation. Much of their cost lies in their need for excellent screening and filters. Opening up the width of roofing filters to permit a usefilly wide spectrum display compromises a receivers signal rejection. Lots of whizzo microprocessors and speeping oscillators can mask small signals with their RFI. Real screening costs big money.

Apologies for a long posting, but I got the impression that you were more interested in hearing things than in hypnotising visitors with flashing lights.
All my own opinions, of course........

have fun   GM4ZNX

From -8005666055957485371
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85ed152e4ef6ff0e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,85ed152e4ef6ff0e
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-11-15 07:36:28 PST
Path: gmdzi!unido!mcsun!uunet!motcid!svec
From: svec@motcid.UUCP (Larry Svec)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Marine Band radio Frequencies?
Message-ID: <5217@feldspar2.UUCP>
Date: 15 Nov 90 15:36:28 GMT
References: <1990Nov13.074136.22295@athena.mit.edu>
Organization: Motorola Inc., Cellular Infrastructure Div., Arlington Heights, IL
Lines: 47
Xref: gmdzi rec.ham-radio:16925 rec.radio.shortwave:2727
Posted: Thu Nov 15 16:36:28 1990

The marine freqs are as follows... maybe that answers your question? Note that some are repeaters for ship to shore phone calls with an 'ch#A' counterpart that is simplex...

Ch#	Input..	Output.	Ch#	Input..	Output.
1	156.050	160.650	62	156.125	160.725
2	156.100	160.700	63	156.175	160.775
3	156.150	160.750	64	156.225	160.825
4	156.200	160.800	65	156.275	160.875
5	156.250	160.850	65A	156.275	156.275
6	156.300	156.300	66	156.325	160.925
7	156.350	160.950	66A	156.325	156.325
7A	156.350	156.350	67	156.375	156.375
8	156.400	156.400	68	156.425	156.425
9	156.450	156.450	69	156.475	156.475
10	156.500	156.500	70	156.525	156.525
11	156.550	156.550	71	156.575	156.575
12	156.600	156.600	72	156.625	156.625
13	156.650	156.650	73	156.675	156.675
14	156.700	156.700	74	156.725	157.725
15		156.750	77	156.875	156.875
16	156.800	156.800	78	156.925	161.525
17	156.850	156.850	78A	156.925	156.925

18	156.900	161.500	79	156.975	161.575
18A	156.900	156.900	79A	156.975	156.975
19	156.950	161.550	80	157.025	161.625
19A	156.950	156.950	80A	157.025	157.025
20	157.000	161.600	81	157.075	161.675
21	157.050	161.650	82	157.125	161.725
21A	157.050	157.050	83	157.175	161.775
22	157.100	161.700	83A	157.175	157.175
22A	157.100	157.100	84	157.225	161.825
23	157.150	161.750	85	157.275	161.875
23A	157.150	157.150	86	157.325	161.925
24	157.200	161.800	87	157.375	161.975
25	157.250	161.850	88	157.425	162.025
26	157.300	161.900	88A	157.425	157.425
27	157.350	161.950	WX1		162.550
28	157.400	162.000	WX2		162.400
60	156.025	160.625	WX3		162.475
61	156.075	160.675			

--
Larry Svec - KD9OF
home: 708-526-1256   e-mail: uunet!motcid!svecl   VHF: 145.150-
work: 708-632-5259   fax: 708-632-2413, -3741   UHF: 443.575+
"I know everything... even some things that are true!"

From 6599169845731581704
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cf02bf3f246dd682,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 07:47:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!agate!ucbvax!P2.AMS.WPAFB.AF.MIL!bob%50781.decnet
From: bob%50781.decnet@P2.AMS.WPAFB.AF.MIL ("50781::BOB")
Newsgroups: rec.ham-radio
Subject: Globe Scout transmitter.
Message-ID: <9011151353.AA13403@ucsd.edu>
Date: 15 Nov 90 15:47:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Thu Nov 15 16:47:00 1990

Howdy netland,

A friend of mine purchased (for $25) a Globe Scout Model 65A transmitter and assorted other bits and pieces of radios. The only documentation he has is a schematic and a tattered copy of an article in the December 1954 issue of Radio and Television News.

Does anyone out there have any info on this rig? Where could I find a reprint of the magazine article?

Bob, N5GNA

From -3592355523748737019
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,835889c31df9db4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 08:28:38 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!think.com!sdd.hp.com!
zaphod.mps.ohio-state.edu!mips!synoptics!
From: jkaidor@ (Jerome Kaidor)
Newsgroups: rec.ham-radio
Subject: Cheap Packet
Message-ID: <22083@mvis1.com>
Date: 15 Nov 90 16:28:38 GMT
Sender: jkaidor@synoptics.COM
Lines: 17
Posted: Thu Nov 15 17:28:38 1990

Followup-To:
Distribution: usa
Organization: SynOptics Communications Inc. Santa Clara, Ca.
Disclaimer: Sender is *solely* responsible for the contents of message
Keywords:

Does anybody out there know of any program, running on the PC, that implements the AX.25 protocols? Such a program would possibly interface to a little board plugged into the PC bus with a modem on it. Or is the AX.25 protocol too fast and complicated for a mere '286 to deal with? Maybe there's something in one of the ham magazines? I'd appreciate any leads. The complicated part here would be the software, and even though I'm a systems programmer by trade, I really don't have the time to reinvent the wheel... Have any of the ham magazines ever published sample source code for a TNC?

- Jerry Kaidor, KF6VB

From 7577888696562973992
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c625210c56b93e3a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 08:56:11 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!cs.umn.edu!uc!nachos.SSESCO.com!elmquist
From: elmquist@nachos.SSESCO.com (Chris Elmquist)
Newsgroups: rec.ham-radio
Subject: PVC enclosed antennas...
Message-ID: <259@nachos.SSESCO.com>
Date: 15 Nov 90 16:56:11 GMT
Sender: elmquist@nachos.SSESCO.com
Organization: none
Lines: 17
Posted: Thu Nov 15 17:56:11 1990

I've been reading the traffic about PVC enclosed antennas... and everyone seems to be discussing RF absorbtion by the PVC.. isn't there also a velocity factor of the PVC to be considered? I've built several "twin-lead j-poles" and tuned them up outside the 3/4" PVC pipe... when they are slid inside the pipe, they completely detune. There is a definite shortening affect (ie, make the antenna shorter) when putting it inside PVC...

A while back I asked the net for the velocity factor of schedule-40 PVC (the white, plumbing stuff) so that you could anticipate the shortening affect... but I wasn't able to come up with a number...

--Chris

--
Chris Elmquist, N0JCF
elmquist@nachos.SSESCO.com

From -2459027490106251405
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6fa1969756a3c57d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 09:22:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!hplabs!hp-pcd!hplsla!charlier
From: charlier@hplsla.HP.COM (Charlie Panek)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew UHF SWR meter
Message-ID: <5720084@hplsla.HP.COM>
Date: 15 Nov 90 17:22:44 GMT
References: <680@mlacus.oz>
Organization: HP Lake Stevens, WA
Lines: 55
Posted: Thu Nov 15 18:22:44 1990

>/ hplsla:rec.ham-radio / pault@mlacus.oz (Paul Taylor) /
>Dear fellow homebrewers,
>
>I want to build a simple SWR meter which still works at VHF and UHF.
>Specifically, I want it to set up a 70cm antenna. I don't need absolute
>--
>

How about an SWR BRIDGE? I built one loosely based on one in the "Radio Handbook", by Bill Orr W6SAI, pg 30.34. It's simplicity in itself. For greatest accuracy use 1% resistors, or hand match them. keep the lead lengths as short as possible, build it in a small metal box, and shield the detected output from the rf. For a detector diode, be sure and use a low-C switching diode, Germanium or Schottky is best, if you can get one.

Of course a bridge like this can't handle much power, but if you're going to be tweaking an antenna with power applied, you don't want to be standing in a strong rf field. I have used this sort of bridge quite successfully at 440 MHz.

OK, OK, I'll fake a schematic:

```
           R.F. input >---o---------o
                          |         |
                          R1        R2
                          |         |
           Reference  >---o---R3----o----<To antenna
           Load (50ohms)  |         |
                          C1        C2
                          |         |
                          o---CR1---o  (orientation of CR1 affects polarity
                          |         |   of D.C. output)
                          R4        R5
                          |         |
                         GND        o---C3---<To Voltmeter
                                    |
                                    R6
                                    |
                                   GND
```

R1, R2: 47 to 51 ohms, non-inductive, match as close as possible.
R3:   51 ohms
R4,R5: 10k
R6:   100k
C1,C2: 1000pF ceramic
C3   1000pF feedthrough
CR1:   switching diode. (i.e. 1N34, 1N82, 1N914, etc.)
Reference Load: As close to 50.0 ohms of pure resistance as you can get.

You can calibrate this with some known resistors on the antenna connector.

Charlie Panek (UUCP: hplabs!hp-pcd!hplsla!charlier)
KX7L   (domain: charlier@lsid.hp.com)

From -2422512953190463223
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a011f72ab22bd3f0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 09:48:23 PST
Path: gmdzi!unido!mcsun!uunet!unsvax!jimi!tahoe!apple!xanadu!jeff
From: jeff@xanadu.com (Jeff Crilly N6ZFX)
Newsgroups: rec.ham-radio
Subject: Re: PBBS addresses that go with calls.
Message-ID: <1990Nov15.174823.9536@xanadu.com>
Date: 15 Nov 90 17:48:23 GMT
References: <9011141632.AA22834@tilde>
Organization: AMIX Corporation, Palo Alto, CA

Lines: 21
Posted: Thu Nov 15 18:48:23 1990

In article <9011141632.AA22834@tilde>
anderson@skvax1.csc.ti.com (John H. Anderson N5OPY) writes:
>Is there a list maintained anywhere that shows what PBBS address a
>particular amateur uses as his main PBBS.
>
>This type of information would be good in the callbook, but I
>don't recall seeing it there.
>
>I have been compiling a list of calls I see here, that
>have PBBS addresses associated with them. Has anyone else
>done a similar thing and have it online somewhere or is
>interested in such.
>
On the PBBS that I use, there is a service called "White Pages".
I send a request containing someones callsign and it sends me
back a message containing his home BBS. I've used it but I
don`t recall the format of the requests.

Jeff Crilly (N6ZFX)
AMIX Corporation 2345 Yale Street Palo Alto, CA 94306
jeff@amix.com, {uunet,sun}!markets!jeff, N6ZFX@N6IIU.#NOCAL.CA.USA

From -4348054601106345107
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e5fdd35eb5df00f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 09:53:43 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!swrinde!ucsd!
ucbvax!ALF.UNOMAHA.EDU!pschleck
From: pschleck@ALF.UNOMAHA.EDU (Paul Schleck)
Newsgroups: rec.ham-radio
Subject: Re: Extra Class?
Message-ID: <9011151753.AA04988@alf.unomaha.edu>
Date: 15 Nov 90 17:53:43 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Lines: 62
Posted: Thu Nov 15 18:53:43 1990

Newsgroups: rec.ham-radio
Subject: Re: Extra Class ?
References: <17190@shlump.nac.dec.com> <1133@tsdiag.ccur.com> <16819@netcom.UUCP>

In <16819@netcom.UUCP> mojo@netcom.UUCP (Morris Jones) writes:

>davet@tsdiag.ccur.com (Dave Tiller N2KAU) writes:
>>   I'd like to see a license
>>class or endorsement the translated into real respect for _proving_ that you
>>possess the _spirit_ of amateur radio, not just the ability to memorize a
>>multiple-guess question pool.

>It can't be done because it can't be done objectively. What you're left with is a clique, a club of good-ol-boys, who are the only ones able to judge who is the true "keeper of the flame" for the future. Personalities will get involved. Feelings will be hurt and flames fanned.

>Do you have something else in mind? :)

I believe I posted a thread on this subject where I argued that the ARRL should step in and put more resources of its publishing empire towards more agressive home study in electronics and communications.

The basic license is almost a RIGHT, if it's not handed out objectively, those left out will probably scream bloody murder in federal court.

One need only witness the ongoing waiver question for handicapped applicants (which I have no problem with, but in a less VAGUELY WORDED form) to see the kind of legal force someone shut out of ham radio can muster.

A best case scenario is where a ham takes the basic memorizable, but objective, test to get the Form 610, and then takes home-study courses for honorary accredidation in additional technical subjects. These additional endorsements would be like awards or code proficiency certificates, they would carry no legal authority or give more operating privileges. However, like awards, they would be a source of pride for Joe Ham and would upgrade the technical proficiency of the ham community at large.

One only has to look at the widespread interest in and energy expended at the WAS, DXCC, and code proficiency awards to see that something like this would be in great demand, and would not step into an arena that should best be left to the federal government.

I know KE3Z from the ARRL reads this newsgroup, perhaps he would like to comment......

>(A1-Op ... how's this?)

sure, as long as noone is denied privileges for not having it.

```
>--
>mojo@netcom.UUCP           Site Coordinating Instructor, San Jose South
>Morris "Mojo" Jones        Skilled Motorcycling And Rider Training (S.M.A.R.T.)
>Campbell, CA               800-675-5559 ... 800-CC-RIDER
>AA4KB @ N6LDL.#NOCAL.CA.USA.NA / aa4kb.ampr.org / netcom!mojo@apple.com
```

73, Paul W. Schleck, KD3FU

pschleck@alf.unomaha.edu

From -6147431698227735434
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,354c9dcba1ce3e1d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 10:42:43 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio
Subject: Impedance of 10'whip at 100 KHz
Keywords: mininec
Message-ID: <4196@radio.oakhill.UUCP>
Date: 15 Nov 90 18:42:43 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 9
Posted: Thu Nov 15 19:42:43 1990

Can someone give me a rough estimate of the feedpoint impedance
of a 10' vertical whip antenna (over ground plane) at 100 KHz? It should
be a fairly high number. If someone has Mininec perhaps they
could give me an answer.

Thanks in advance,

Charlie Thompson
WB4HVD

From -7877724841641108453
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a8a4eeca1ef00a8c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 10:58:46 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!STL-06SIMA.ARMY.MIL!wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: RFI from plasma displays
Message-ID: <9011151900.AA05904@ucsd.edu>
Date: 15 Nov 90 18:58:46 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Thu Nov 15 19:58:46 1990

The recent discussions of RF interference sources like the infamous "touch"
lamps prompts this query:

I've always assumed that those "plasma display" toys -- the ones Radio
Shack sells as "Lightning Fury" and "Illuma-Storm Light Display", and
other places sell under similar names, were *terrible* sources of RFI --
that they would act like Tesla coils and generate vast amounts of
wideband hash across the spectrum. But I must admit that this has been
just an assumption on my part, based mostly on the fact that a Tesla-coil
sort of device I have that is used for testing glass for leaks and

demonstrating corona discharge does produce such interference. So I am asking -- do these glass-globed electrical-discharge displays actually produce major RFI, or are they actually less offensive than I had thought?

Regards, Will
wmartin@st-louis-emh2.army.mil OR wmartin@stl-06sima.army.mil

From 823543175466573704
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a011f72ab22bd3f0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 10:59:36 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: PBBS addresses that go with calls.
Summary: White Pages server
Message-ID: <537@ssc.UUCP>
Date: 15 Nov 90 18:59:36 GMT
References: <9011141632.AA22834@tilde>
Organization: very little
Lines: 37
Posted: Thu Nov 15 19:59:36 1990

In article <9011141632.AA22834@tilde>, anderson@skvax1.csc.ti.com (John H. Anderson N5OPY) writes:

> Is there a list maintained anywhere that shows what PBBS address a
> particular amateur uses as his main PBBS.

There is a service called the White Pages server that does this. You send a message with a list of calls, and it automatically sends back their packet addresses.

For example, to find out the packet address for K7SS and KT7H, use this format:

```
SP WP @ AD8I.OH.USA.NA
QUERY
K7SS QTH?
KT7H QTH?
/EX
```

Make sure that you do this only from the BBS where you normally receive mail, as it looks at your origin on the header to generate the reply. This list is maintained automatically. It gets it's data from messages that are automatically generated each time you check into a packet BBS for the first time, and it queries your home BBS.

When I put on the Digital Suite for rec.ham-radio at Dayton this year, I entered the calls on the sign-in sheet into messages formatted like this. I got a bunch of packet addresses back, which I used to send packet thank-you notes to the attendees!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 2813559273286693208
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c3bed47d5341f80
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-15 11:30:43 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!hplabs!hpl-opus!hpspdra!henryb
From: henryb@hpspdra.HP.COM (Henry Black)
Newsgroups: rec.ham-radio
Subject: Re: Is my IC-745 Doomed?
Message-ID: <12280027@hpspdra.HP.COM>
Date: 15 Nov 90 19:30:43 GMT
References: <706@npdiss1.StPaul.NCR.COM>
Organization: HP Stanford Park - Palo Alto, CA
Lines: 15
Posted: Thu Nov 15 20:30:43 1990

In article <706@npdiss1.StPaul.NCR.COM> chuck@npdiss1.StPaul.NCR.COM
(Charles Rissmeyer) writes:

```
> I've been reading some articles lately about certain types of
                                               ^^^^^^^^^^^^^
> ham radios having their brains scrambled when their lithium
> batteries run out.  I was wondering if my [radio] is doomed to
> suffer from that type of disaster.  Is there anything . . .
```

Please publish the types of radio that have this problem, I certainly
wouldn't want to buy from a supplier that plants time-bombs like this
in their equipment.

Henry Black (G4NOC,KK6JR)   +1 415 857 6655
Views expressed above are purely my personal views, not those of HP.

From -2827427737931836185
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,662ec33d218db90
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 03:40:12 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcuhb!hpsqf!hpqmola!hpqmole!dstock

From: dstock@hpqmole.sqf.hp.com (David Stockton)
Newsgroups: rec.ham-radio
Subject: Re: RF attenuation through PVC
Message-ID: <410005@hpqmole.sqf.hp.com>
Date: 13 Nov 90 11:40:12 GMT
References: <6960@sun103.cel.co.uk>
Organization: HP,Queensferry Microwave UK
Lines: 29
Posted: Tue Nov 13 12:40:12 1990

I think that the PVC drain pipe available in the US is similar to that in the UK and is actually referred to as UPVC - meaning unplasticised PVC.

In the best tradition of jargon generation unplasticised does not mean that plasticiser has been removed, but that none was ever added in the first place !

This is reckoned to increase the PVC's resistance to UV

Quite a large number of local homes have been fitted with UPVC window frames, which have to meet UK regs for life expectancy and environmental exposure. Although we are justly famous for our minimal UV levels, these people are gambling around $15000. Perhaps an antenna sleeve in a sunnier clime is a comparable risk :-)

The better quality 1/2 inch co-ax cable (UR67) has a non-plasticised outer and is reckoned to have longer life out doors. It is noticably les flexible than the inferior stuff. Opaque black pigmentation is used to decrease sunlight penetration thus also increasing life expectancy.

carbon has sometimes been used as the pigment- should make a nice RF screen ....

73   de GM4ZNX

From 2485798197519101058
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8545d3eff0750a1a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 04:05:07 PST
Path: gmdzi!unido!mcsun!uunet!midway!ncar!gatech!udel!burdvax!ean
From: ean@PRC.Unisys.COM (Ed Naratil)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <15565@burdvax.PRC.Unisys.COM>
Date: 13 Nov 90 12:05:07 GMT
References: <9011122236.AA18329@tilde>

Organization: Unisys Corporation, Paoli Research Center; Paoli, PA
Lines: 20
Posted: Tue Nov 13 13:05:07 1990

In article <9011122236.AA18329@tilde> dube@cpdvax.csc.ti.com writes:
>Re: Re: need two....
>
>In <ajs@hpfcdc.HP.COM (Alan Silverstein)> Alan sez:
>
>>> ...is there anyone on the net located in Vermont, Wyoming, or Nevada?
>>
>>For the right price I can be located in Wyoming. :-)
>>
>>Nobody actually LIVES in Wyoming, you understand. It's all barren
>>wilderness.
>

I sure wish I could get back to Wyoming. (And there are probably
some out there that would be willing to donate to the cause.) It
was very enjoyable back in 1962-1963 operating 80 and 75 meters from
Sundance, Wyoming, the County Seat of Crook County. I also gave
contacts mobile from North and South Dakota and Montana while working
there.

Ed, W3BNR   Packet address W3BNR@N3LA.#epa.PA.USA.NA

From -8882012416909003060
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,da9323d5c8a6692
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 04:22:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!usc!apple!agate!ucbvax!
dgc.ceo.dg.com!Pete_Simpson
From: Pete_Simpson@dgc.ceo.dg.com
Newsgroups: rec.ham-radio
Subject: GOES/Satellites
Message-ID: <9011131222.AA00024@rtp40.dg.com>
Date: 13 Nov 90 12:22:52 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Tue Nov 13 13:22:52 1990

CEO summary:
Kudos to Richard Crisp for reprinting this most interesting and
informative article. Just thought I should give him some positive
feedback before he's inundated with flames for wasting net bandwidth
;-)
Good job, Richard...
=================================
Peter Simpson, KA1AXY
Data General Corp M/S E132
Westboro, MA 01580

(508) 870-9837
Pete_Simpson@MERCURY.MCEO.DG.COM

From -4156823312611701146
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f7d50eea31a7753
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9f7d50eea31a7753
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,9f7d50eea31a7753
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,9f7d50eea31a7753
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-13 05:38:28 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!usc!samsung!interlan.InterLan.COM!interlan.interlan.com!yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: 8mm. camcorders
Message-ID: <YETSKO.90Nov13083828@interlan.interlan.com>
Date: 13 Nov 90 13:38:28 GMT
References: <405.273E8DF4@w8grt.uucp>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 13
Xref: gmdzi rec.radio.shortwave:2696 rec.ham-radio.swap:780 rec.ham-radio.packet:3038 rec.ham-radio:16826
Posted: Tue Nov 13 14:38:28 1990
In-reply-to: jim.grubs@w8grt.uucp's message of 12 Nov 90 16:52:49 GMT

Just have her pick up a VHS camcorder and then an 8mm camcorder. Regardless of technical merit, 8mm is a big plus in weight. In addition, the 8mm cameras all seem to use those little tiny batteries available at Radio Shack for $30, not the mucho-bucks of the big camcorder batteries.

You can get super VHS, or super-Beta camcorders, but 8mm gives as good a picture as your likely to see with home recording, and the sound is not linear on the tape. I bought a cheap 8mm and they do cost a lot more than most VHS stuff, but just have her TRY one, and you won't want anything else.

Mike Yetsko
N1DVJ

From -8859965487328081548
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c5e220a868f5558,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 06:56:21 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!att!linac!pacific.mps.ohio-state.edu!

zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!psuvax1!psuvm!barilvm!bguvm.bitnet!
avim
From: AVIM@BGUVM.BITNET
Newsgroups: rec.ham-radio
Subject: Software for self learning Morse code.
Message-ID: <747AVIM@BGUVM>
Date: 13 Nov 90 14:56:21 GMT
Organization: Ben-Gurion University, Beer-Sheva, Israel
Lines: 6
Posted: Tue Nov 13 15:56:21 1990

I would be very grateful if I could get a software for self learning Morse code
for Macintosh, I have to learn Morse code to get my hem. radio licence I live
in the wilderness so I can't learn it no other way.
please e-mail your answer

Thanks, Avi

From 8017704527741219369
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca5146d3e10f3644,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,ca5146d3e10f3644,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-13 06:56:37 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!cornell!
vax5.cit.cornell.edu!v6dy
From: v6dy@vax5.cit.cornell.edu
Newsgroups: rec.ham-radio.swap,rec.ham-radio
Subject: "Used" motorola equipment
Message-ID: <1990Nov13.105637.978@vax5.cit.cornell.edu>
Date: 13 Nov 90 14:56:37 GMT
Distribution: rec
Lines: 4
Xref: gmdzi rec.ham-radio.swap:791 rec.ham-radio:16866
Posted: Tue Nov 13 15:56:37 1990

Within the last 2-weeks, a Tompkins county deputy sherriff lost(or had stolen)
his Motorola Sabre III. Though this incident is not of World-wide import, I
would like to remind people that used Motorola equipment isn't always Legit.

From 4366235481228767077
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a5e93602fd29f980
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 07:27:42 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!att!news.cs.indiana.edu!news!cartan!ndmath!
nstar!w8grt!postmaster
From: postmaster@w8grt.uucp (postmaster)
Newsgroups: rec.ham-radio

Subject: Re: *sigh* another urbane legend
Message-ID: <414.273FD6E6@w8grt.uucp>
Date: 13 Nov 90 15:27:42 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 24
Posted: Tue Nov 13 16:27:42 1990

> From: perley@trub.crd.ge.com (Donald P Perley)
> Date: 12 Nov 90 21:58:58 GMT
> Organization: GE Corp. R & D, Schenectady, NY 12345
> Message-ID: <13685@crdgw1.crd.ge.com>
> Newsgroups: rec.ham-radio
>
> In article <9011121738.AA18033@june.cs.washington.edu>
> pardo@CS.WASHINGTON.EDU (pardo@cs.washington.edu) writes:
> > He has not been given a very long time to
> >   live and it is Craig's ambition to enter the Guiness Book of
> >   World Records for the largest number of get well cards ever
> >   received by an individual.
> > >
>
> Bunk or not, I don't see the ham radio connection, unless he wants

Before we all get too sophisticated and debunk all of these stories as urban legends, at least one of them recently was on the level, CNN even had pix of the kid.

--
postmaster - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!postmaster

From 5695905981438666582
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fbfb2f94b1bce2b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 07:30:35 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!news.cs.indiana.edu!news!cartan!ndmath!nstar!w8grt!postmaster
From: postmaster@w8grt.uucp (postmaster)
Newsgroups: rec.ham-radio
Subject: Re: KILL files
Message-ID: <415.273FD6EB@w8grt.uucp>
Date: 13 Nov 90 15:30:35 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 28
Posted: Tue Nov 13 16:30:35 1990

> From: brian@ucsd.Edu (Brian Kantor)
> Date: 12 Nov 90 22:51:49 GMT
> Organization: The Avant-Garde of the Now, Ltd.

> Message-ID: <22842@ucsd.Edu>
> Newsgroups: rec.ham-radio
>
> Per requests, my 'rn' KILL file for rec.ham-radio:
>
> ```
>         /: .*CW/:j
>         /: *tad@ssc/h:j
>         /: *david.stark@/h:j
>         /: *dave.stark@/h:j
>         /: *jim.grubs@/h:j
>         /: *phil@ux1/h:j
>         /: *brian@uscd/h:j
> ```
>
> The first entry kills (i.e., does not display to you) any posting with
> 'CW' anywhere in the subject line.
>
> All the rest suppress display of articles written by the referenced
> authors.

Being so superior must be a terrible burden. You have my heartfelt sympathy.

--
postmaster - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!postmaster

From 751207438747771909
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d7328fd0dd101f31,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 07:41:15 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: QRP HF Radios.
Message-ID: <13.Nov.90.15:45:16.GMT.#9838@UK.AC.NWL.IA>
Date: 13 Nov 90 15:41:15 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Tue Nov 13 16:41:15 1990

There have been various discussions on small HF radios; nobody has mentioned the Mizuho 'MX' series; Only 2 watts o/p, but SSB (and CW for the diehards) available on 80, 40 and 20 meters (different radios for different bands!).
Use VXO control (so you only get 25 or 50KHz per xtal). Has IRT, noiseblanker, s-meter etc. Lovely and small! (66 millimeters by 39 millimeters by 142 mm)
Runs off nicads or external supply.
The radios cost 189 pounds sterling each, but thats after all the execrable taxes thrust upon us Britishers by the Government and the European Community bureaucracy;- Statesiders or anyone going to Japan should get significant

discounts, we just pay through the nose :-((
I wonder how far 2 watts will go on these bands - could we be seeing the
emergence of the 'HF Handie-talkie' ???

Pete Lucas G6WBJ   G6WBJ@GB7SDN.GBR.EU PJML@UK.AC.NWL.IA 0793-411613

From -243280153890812346
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e3d716ded2c6b5b6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 07:57:00 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!uxa.cso.uiuc.edu!aaa33750
From: aaa33750@uxa.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Comdel hdr202 ???
Message-ID: <56500005@uxa.cso.uiuc.edu>
Date: 13 Nov 90 15:57:00 GMT
Lines: 5
Nf-ID: #N:uxa.cso.uiuc.edu:56500005:000:136
Nf-From: uxa.cso.uiuc.edu!aaa33750   Nov 13 09:57:00 1990
Posted: Tue Nov 13 16:57:00 1990

I have a Comdel HDR 202 rf amplifier. It takes 20 VDC at 80 ma.
If anyone has any information, please e-mail.
Thanks,
kb9fko@uiuc.edu

From -6323176239260623029
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3df1557ce60cea1b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 08:20:32 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!mips!synoptics!
jkaidor
From: jkaidor@synoptics.COM (Jerome Kaidor)
Newsgroups: rec.ham-radio
Subject: Re: QSO content
Message-ID: <22078@mvis1.com>
Date: 13 Nov 90 16:20:32 GMT
References: <39603@ut-emx.uucp>
Organization: SynOptics Communications Inc. Mountain View, Ca.
Lines: 14
Posted: Tue Nov 13 17:20:32 1990

In article <39603@ut-emx.uucp> oo7@ut-emx.uucp (Derek Wills) writes:
>
>
>However, my point in the original posting was that having to learn a small
>amount of a foreign language is at least as difficult as having to copy cw

>at a measly 5 words per minute.

*** Hey, why not _combine_ the two activities? Yes, I'm talking about..... CW in foreign languages! Now, on phone, if some foreigner gets the mistaken notion that you speak his language, he can overwhelm you with chatter! Not so in CW. If your high-school whatever isn't too rusty, you can probably read what you copied on the paper, no problem. Much easier than understanding foreign language voice.

- Jerry Kaidor, KF6VB

From -7723390419649924619
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dbea131b7c737d75
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,dbea131b7c737d75
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-11-13 08:55:51 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!mintaka!think.com!sdd.hp.com!usc!apple!olivea!orc!bbn.com!nic!chaos.cs.brandeis.edu!WBRS@BINAH.CC.BRANDEIS.EDU
From: wbrs@BINAH.CC.BRANDEIS.EDU
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Spanish Time Stations ???
Message-ID: <0093FA66.EB22C8C0@BINAH.CC.BRANDEIS.EDU>
Date: 13 Nov 90 16:55:51 GMT
References: <1990Nov13.071045.21754@athena.mit.edu>
Sender: @chaos.cs.brandeis.edu
Reply-To: wbrs@BINAH.CC.BRANDEIS.EDU
Organization: Brandeis University
Lines: 19
Xref: gmdzi rec.ham-radio:16843 rec.radio.shortwave:2703
Posted: Tue Nov 13 17:55:51 1990

What you heard was Cuba's "Radio Reloj," literally translated as "Radio Watch." It's a nationwide network, heard on multiple MW freqs across Cuba. The Spanish speech over the time signals is news broadcasting. If it helps, imagine WWV with news superimposed on it :)

Radio Reloj seems to be a fairly common format in the Caribbean; a quick flip through WRTH shows stations in several countries, including Puerto Rico and the Dominican Republic, with similar formats. Cuba's is especially noticeable because it's on so many high powered MWs. The 570 kHz freq is supposed to be particularly strong. Hope that helps.

DISCLAIMER: I don't even speak Spanish. Why should you trust _me_?

Scott Fybush -- News Director -- WBRS-FM Waltham MA USA
WBRS@binah.cc.brandeis.edu   WBRS@brandeis.bitnet

From -4182433286932118170
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b4387f31195990d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 09:02:06 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: re Code & Other requirements
Message-ID: <592@chiton.ucsd.edu>
Date: 13 Nov 90 17:02:06 GMT
References: <9010231256.AA05779@lonex4.radc.af.mil> <7880348@hpfcdc.HP.COM>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 18
Posted: Tue Nov 13 18:02:06 1990

In article <7880348@hpfcdc.HP.COM> ajs@hpfcdc.HP.COM (Alan Silverstein) writes:
>
>That sounds cynical, so let me be clear, I'm not *proud* of not knowing
>it any more, or anything like that. I just don't find it necessary or
>useful to know it. So naturally it has slipped away.

And your chance to use lots of HF spectrum to meet many new friends around the
world has also slipped away.

Why give up so easily?

AA6PN

--
richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From 9006764340234556066
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85d6ffde6724df46,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 09:52:35 PST
Path: gmdzi!unido!mcsun!ukc!warwick!esrmm
From: esrmm@warwick.ac.uk (Denis Anthony)
Newsgroups: rec.ham-radio
Subject: Calling Moscow
Message-ID: <1990Nov13.175235.27345@warwick.ac.uk>
Date: 13 Nov 90 17:52:35 GMT
Sender: news@warwick.ac.uk (Network news)
Organization: Computing Services, Warwick University, UK
Lines: 3

Posted: Tue Nov 13 18:52:35 1990

I am mailing this for a friend Simon Browne,G0GWA, I shall however "bounce" any
messages to him on his mainframe
(we are having difficulties with it just now)

From 3024669329334312202
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85d6ffde6724df46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 10:07:51 PST
Path: gmdzi!unido!mcsun!ukc!warwick!esrmm
From: esrmm@warwick.ac.uk (Denis Anthony)
Newsgroups: rec.ham-radio
Subject: Re: Calling Moscow
Message-ID: <1990Nov13.180751.27929@warwick.ac.uk>
Date: 13 Nov 90 18:07:51 GMT
References: <1990Nov13.175235.27345@warwick.ac.uk>
Sender: news@warwick.ac.uk (Network news)
Organization: Computing Services, Warwick University, UK
Lines: 9
Posted: Tue Nov 13 19:07:51 1990

I wonder if there is anybody in Moscow who reads this net , particularly
at Moscow Telecommunications Institute , as it would be extremely
useful to be able to send e-mail to some hams there.

I am mailing this for a friend Simon Browne,G0GWA, I shall however
"bounce" any messages to him on his mainframe
(we are having difficulties with it just now)

From 8204814048521595077
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c3bed47d5341f80,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 10:19:29 PST
Path: gmdzi!unido!mcsun!uunet!ncrlnk!ncrstp!npdiss1!chuck
From: chuck@npdiss1.StPaul.NCR.COM
Newsgroups: rec.ham-radio
Subject: Is my IC-745 Doomed?
Message-ID: <706@npdiss1.StPaul.NCR.COM>
Date: 13 Nov 90 18:19:29 GMT
Reply-To: chuck@npdiss1.StPaul.NCR.COM (Charles Rissmeyer)
Organization: StPaul
Lines: 15
Posted: Tue Nov 13 19:19:29 1990

I'v been reading some articles lately about certain types of

ham radios having their brains scrambled when their lithium
batteries run out. I was wondering if my ICOM IC-745 is
doomed to suffer from that type of disaster. Is there anything
I can do to prevent it? Is it going to lose all it's brains, or
will a new battery after the old one fails bring it back to life?

If it going to be a disaster, how much will it cost to fix?

Any ideas?

--
Chuck Rissmeyer - c.rissmeyer@StPaul.NCR.COM
KE0VG   - KE0VG @ WB0GDB.mn.usa.na.earth
MENSA   - Minnesota (1129142)

From 2547093973082857044
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d7328fd0dd101f31
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 10:27:26 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!udel!haven!decuac!
bacchus.pa.dec.com!decabo.enet.dec.com!ace.dec.com
From: brewer@ace.dec.com (John Brewer)
Newsgroups: rec.ham-radio
Subject: Re: QRP HF Radios.
Message-ID: <128@decabo.enet.dec.com>
Date: 13 Nov 90 18:27:26 GMT
Sender: news@decabo.enet.dec.com
Organization: Digital Equipment Corporation
Lines: 10
Posted: Tue Nov 13 19:27:26 1990

In article <13.Nov.90.15:45:16.GMT.#9838@UK.AC.NWL.IA>, PJML@ibma.nerc-
wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon") writes...
>There have been various discussions on small HF radios; nobody has mentioned
>the Mizuho 'MX' series; Only 2 watts o/p, but SSB (and CW for the diehards)
....
> Pete Lucas G6WBJ   G6WBJ@GB7SDN.GBR.EU PJML@UK.AC.NWL.IA 0793-411613

Does anyone know of a US distributor of these?

/john wb5oau

From -5457758896886429835
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fc8cdf85724a1e8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 10:43:35 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!mips!synoptics!jkaidor
From: jkaidor@synoptics.COM (Jerome Kaidor)

Newsgroups: rec.ham-radio
Subject: Re: Swap Nets
Keywords: Frequencies, Times!
Message-ID: <22079@mvis1.com>
Date: 13 Nov 90 18:43:35 GMT
References: <840@tfsg.UUCP> <1990Nov13.124937.6348@bwdls61.bnr.ca>
Organization: SynOptics Communications Inc. Mountain View, Ca.
Lines: 9
Posted: Tue Nov 13 19:43:35 1990

There used to be a west-coast swap net that met at or around 7265 kHz on saturdays & sundays at 1:00 in the afternoon. Does anybody know if this one's still around? I listened for it a couple months ago and nothing heard. Maybe it's moved? Or maybe 40 was just in the dumps that day? Help! The foothill College swap meets have closed for the winter, and I need my electronics junk fix!

- Jerry Kaidor

From -8116102832218080687
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f7d50eea31a7753
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9f7d50eea31a7753
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,9f7d50eea31a7753
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,9f7d50eea31a7753
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-13 10:54:54 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!dog.ee.lbl.gov!bevb.bev.lbl.gov!biocca
From: biocca@bevb.bev.lbl.gov (Alan Biocca)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: 8mm. camcorders
Message-ID: <8050@dog.ee.lbl.gov>
Date: 13 Nov 90 18:54:54 GMT
References: <405.273E8DF4@w8grt.uucp> <YETSKO.90Nov13083828@interlan.interlan.com>
Sender: usenet@dog.ee.lbl.gov
Reply-To: biocca@bevb.bev.lbl.gov (Alan Biocca)
Organization: Lawrence Berkeley Laboratory, Berkeley
Lines: 43
Xref: gmdzi rec.radio.shortwave:2697 rec.ham-radio.swap:781 rec.ham-radio.packet:3040 rec.ham-radio:16830
Posted: Tue Nov 13 19:54:54 1990
X-Local-Date: Tue, 13 Nov 90 10:54:54 PST

In article <YETSKO.90Nov13083828@interlan.interlan.com> yetsko@interlan.interlan.com writes:
>Just have her pick up a VHS camcorder and then an 8mm camcorder. Regardless

>of technical merit, 8mm is a big plus in weight. In addition, the 8mm cameras
>all seem to use those little tiny batteries available at Radio Shack for
>$30, not the mucho-bucks of the big camcorder batteries.

Picking a camcorder isn't as easy as choosing the lightest unit. There are many tradeoffs and due to the significance of the investment it is worthwhile to do some investigation. The 8mm units are small and light but overpriced due to the manufacturer's monopoly on the format. Their tapes cannot be played back in the home vcr. They use nicad batteries that have very limited capacity, easily develop memory, and self-discharge rapidly (which means that when you pick up the camera after not using it for a month the batteries are half-dead and will expire just as junior blows out the candles). The cameras are small and due to their design the weight must be borne completely by the hand rather than resting on the shoulder as the larger units do. They tend to bob around alot when handheld because of the way they are held. The resulting movies are hard to watch. The larger VHS units are easier to hold steady, especially for long periods. They cost much less than 8mm for the same features. VHS Tape is much cheaper and plays directly in the home vcr. The batteries are gelled lead-acid and don't develop memory or self-discharge quickly. They are much cheaper (for a given capacity). One inexpensive GE VHS camcorder I looked at recently would run for 3+ hours on one battery. The 8mm units generally poop out in way under an hour. The VHS batteries are generally available for around $40. The large capacity batteries the 8mm units need to run even one hour cost closer to $100 and stick way out the back of the camera and make it much heavier than it was with the stock battery.

Still, the 8mm may be the best for her -- but some thorough investigations are warranted.

>You can get super VHS, or super-Beta camcorders, but 8mm gives as good
>a picture as your likely to see with home recording, and the sound is
>not linear on the tape. I bought a cheap 8mm and they do cost a lot
>more than most VHS stuff, but just have her TRY one, and you won't
>want anything else.

If I remember correctly the original post was for info on a newsgroup that might have more info on picking a camcorder, try rec.video.

Alan K Biocca
WB6ZQZ

From -5822282772628230823
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dba6e4bfee4165c3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 11:27:26 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!uunet!motcid!reichert
From: reichert@motcid.UUCP (Chuck KD9JQ)
Newsgroups: rec.ham-radio
Subject: PUFF Microstrip Program

Keywords: Program
Message-ID: <4489@cocoa46.UUCP>
Date: 13 Nov 90 19:27:26 GMT
Distribution: rec
Organization: Motorola Inc., Cellular Infrastructure Div., Arlington Heights, IL
Lines: 13
Posted: Tue Nov 13 20:27:26 1990

Andy....The Puff MicroStrip Program plus Manual was originally free from
Prof David Rutledge at California Institute of Technology, Dept of Engr'ing
Pasadena, CA. 91125 or Call 818-356-2137.

Since the Grant to supply these has run out, he's asking somewhere around $10
now for the upgraded version. I've used the first version and it seems to
work out just fine as a functional as well as educational program. I have'nt
used the plotting routine yet (no plotter) but you can make proto boards from
the artwork.

Chuck Reichert KD9JQ ye old homebrewer!

From 5854941363923157109
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b4387f31195990d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 11:29:26 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!
hpfcso!vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: re Code & Other requirements
Message-ID: <7500042@hpfcso.HP.COM>
Date: 13 Nov 90 19:29:26 GMT
References: <9010231256.AA05779@lonex4.radc.af.mil>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 37
Posted: Tue Nov 13 20:29:26 1990

/ hpfcso:rec.ham-radio / phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN) / 12:21 am
Nov 10, 1990 /
vodall@hpfcso.HP.COM (Bill Vodall) writes:

```
>That's ok Alan.  I know the code (at least my license says I should) and
                                   ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
>I also didn't understand Perry the last time he sent some code.   :-)
```

I'm curious where on the license it says this. Mine doesn't say anything
like this. I got my first license in 1986 and it didn't say anything then
so I guess they changed it sometime between when yours and mine were issued.
--

```
--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.
----------
```

My current license (which I obtained in 1984 at the Seattle FCC office) required that I pass a 20 w.p.m. code test. Therefore the implication of holding the license is that I have passed the test and thus should know the code.

If you hold a X class license - it should be fair to assume that (at one time) you knew the code well enough to pass the test to acquire that license. The only alternative is that you cheated.

I know of some cases where folks holding a "conditional" class license were required to show up for re-examination. This license was the same as the current general class - only it was given by a single volunteer examiner. Needless to say, folks cheated. (i.e. Bring over a bottle of booze and we'll take your test.)

Back in the early 70's it was a renewal requirement that you sign a statement saying you had spent some trivial amount of time operating and that you still knew the code.

Bill - WA7NWP "almost an O.F."

From -930766918206490627
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9d23ad1ea33a5912,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 11:48:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!samsung!cs.utexas.edu!uunet!abvax!iccgcc!macmillan
From: macmillan@iccgcc.decnet.ab.com
Newsgroups: rec.ham-radio
Subject: REVISED: engineering drawing--TOWER
Message-ID: <1967.274007b5@iccgcc.decnet.ab.com>
Date: 13 Nov 90 19:48:21 GMT
Lines: 28
Posted: Tue Nov 13 20:48:21 1990

ENGINEERING ASSISTANCE NEEDED:

I am trying to get an engineering drawing for a telescoping tubular tower manufactured by the now defunct Wilson Systems Inc. formerly of LasVegas Nevada.

I understand that this was sold to "TRISTAO"something.... but info on them is scarce.

Any ideas? The city is giving me lots of grief on stamped drawings (in addition to other things) and a drawing would be alot easier than sawing off a sample of each tube and paying for metallurgical studies.

TNX de WA8ZHN / PRBWON: still fighting.
Jim MacMillan
2760 Gibson Dr.
Rocky River, OH 44116

WORK (216) 646-3208   8 - 4 core time EST / beware of voice mail
FAX (216) 646-3437 (ALLEN BRADLEY)
If you leave voice mail, I will probably call back
at logical noon (11:15) EST

QTH (216) 333-2235 6-11p.m. EST
rev 11-13-90

From -1238046251273206624
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62cf76082d3e814c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 11:49:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: HR2510 Mods
Message-ID: <7500043@hpfcso.HP.COM>
Date: 13 Nov 90 19:49:48 GMT
References: <2994@canisius.UUCP>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 40
Posted: Tue Nov 13 20:49:48 1990

>/ hpfcso:rec.ham-radio / perry@hpfcdc.HP.COM (Perry Scott) / 5:22 pm Nov 12, 1990 /
>
>Re: Will 40 watts really allow you to "talk some skip" better than 25 watts?
>
>Karl, save yourself some $$$, and forget about the extra 15 watts. It
>will raise your transmitted signal less than one S unit. 10*log10(40/25)
>ain't much.

There was an article in 73 magazine describing how to replace the 2510 finals and get the output up in the 60..70 watt area. That's 10*log10(70/25) = 4.5 db. Still less that 1 S unit (6 db) but a noticeable improvement.

Personally - my 2510 works just fine at 25 watts. No need to mess with it. I worked two new states in the big pizza contest and Sweden before work this morning. My biggest complaint with it is the lack of a low power button like the Radio Shack version has.

>
>I've used 400 watts (vs 100) on 10 meters. Presumably, it should
>account for 6 dB more signal, but it's a waste on 10 meters. 10 meter
>propogation is a binary affair - either you do or don't, and no
>(reasonable) amount of extra power will help if you don't.

Picture Bart Simpson after school writing the following 1000 times
on the chalk board:

"I will not give Perry a bad time about his antenna."
"I will not give Perry a bad time about his antenna."
"I will not give Perry a bad time about his antenna."
"I will not give Perry a bad time about his antenna."
.
.
.

>
>Perry / KF0CA
>----------

Bill - WA7NWP

From -7887895022867507092
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a5e93602fd29f980
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 12:09:59 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!videovax!bill
From: bill@videovax.tv.tek.com (William K. McFadden)
Newsgroups: rec.ham-radio
Subject: Re: *sigh* another urbane legend
Message-ID: <6143@videovax.tv.tek.com>
Date: 13 Nov 90 20:09:59 GMT
References: <9011121455.AA06709@lg.Wellfleet.Com>
<9011121738.AA18033@june.cs.washington.edu>
Reply-To: bill@videovax.tv.tek.com (William K. McFadden)
Organization: Tektronix TV Measurement Systems, Beaverton OR
Lines: 14
Posted: Tue Nov 13 21:09:59 1990

In article <9011121738.AA18033@june.cs.washington.edu> pardo@CS.WASHINGTON.EDU
(pardo@cs.washington.edu) writes:
->As has been widely documented, (see e.g., Brunvand's books on urban
->legends; I don't remember which one has ``the story of David''), there
->are a long series of stories just like this, usually about a young male
->child named `David'.

The book is "Curses! Broiled Again! The Hottest Urban Legends Going," by Jan
Harold Brunvand, University of Utah. The story appears on pages 227-232 as

"Postcards for Little Buddy."
--
Bill McFadden   Tektronix, Inc. P.O. Box 500 MS 58-639 Beaverton, OR 97077
bill@videovax.tv.tek.com,   {hplabs,uw-beaver,decvax}!tektronix!videovax!bill
Phone: (503) 627-6920   "The biggest difference between developing a missle
component and a toy is the 'cost constraint.'" -- John Anderson, Engineer, TI

From -6235747071511120205
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85ed152e4ef6ff0e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 12:13:37 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Marine Band radio Frequencies?
Message-ID: <1250270@hpnmdla.HP.COM>
Date: 13 Nov 90 20:13:37 GMT
References: <1990Nov13.074136.22295@athena.mit.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 13
Posted: Tue Nov 13 21:13:37 1990

In rec.ham-radio, w1gsl@athena.mit.edu (Steven L. Finberg) writes:

>Any thoughts on the odd channel number spacing ?
>Why ch 1 2 3 and 9 are RX only ?
>Is the display operating properly?

When I designed the channel selector circuit in the Drake MRT-55 way back when, I remember that the channel numbers were not sequential (in frequency), and I seem to recall some of the channels were receive only. My memory if foggy on this, tho. (It has been 15 years.)

AL N1AL

From -743975016171207547
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: ffec8,f3b540540a719e0b
X-Google-Attributes: gidffec8,public
X-Google-Thread: 10c9e3,4fb7c14f107ec575,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 12:20:04 PST
Xref: utzoo comp.sys.ibm.pc.hardware:3108 rec.ham-radio:26994
Path: utzoo!utgpu!news-server.csri.toronto.edu!cs.utexas.edu!swrinde!
zaphod.mps.ohio-state.edu!wuarchive!udel!haven!decuac!shlump.nac.dec.com!
ryn.esg.dec.com!ricks.enet.dec.com!reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: comp.sys.ibm.pc.hardware,rec.ham-radio
Subject: Re: Giving up on Northgate OmniKey Plus

Message-ID: <3462@ryn.esg.dec.com>
Date: 13 Nov 90 20:20:04 GMT
Sender: guest@ryn.esg.dec.com
Followup-To: comp.sys.ibm.pc.hardware
Distribution: na
Organization: Digital Equipment Corporation - Hudson, MA
Lines: 26

In article <marshall.658513864@wind55>,
marshall@wind55.seri.gov (Marshall L. Buhl) writes...

>
>I saw a NorthGate OmniKey Plus in an ad this summer and I loved the
>layout.
>...
>I was really excited the day it arrived. I hooked it up and went to
>work. I couldn't believe the racket! Wow was it loud.

I like the feel, but never noticed the sound problem until I tried to use one in a voice ham radio contest. Every time I typed a key, it would trip off the VOX (voice-operated relay) and I'd miss part of what I was trying to copy down. Fortunately, I found a quieter keyboard to use for the European runs the next morning.

- Jim AD1C

=-=

"The opinions expressed here in no way represent the views of Digital Equipment Corporation."

James J. Reisert   Internet: reisert@ricks.enet.dec.com
Digital Equipment Corp.   UUCP: ...decwrl!ricks.enet!reisert
77 Reed Road
Hudson, MA 01749-2895

From -7936425894154892802
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f7d50eea31a7753
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9f7d50eea31a7753
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,9f7d50eea31a7753
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,9f7d50eea31a7753
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-13 12:23:23 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!cornell!lrj
From: lrj@ishtar.cs.cornell.edu (Lew Jansen)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: 8mm. camcorders
Message-ID: <48293@cornell.UUCP>

Date: 13 Nov 90 20:23:23 GMT
References: <405.273E8DF4@w8grt.uucp> <YETSKO.90Nov13083828@interlan.interlan.com> <8050@dog.ee.lbl.gov>
Sender: nobody@cornell.UUCP
Reply-To: lrj@cs.cornell.edu (Lew Jansen)
Followup-To: rec.video
Organization: Lab of Atomic and Solid State Physics, Cornell University
Lines: 19
Xref: gmdzi rec.radio.shortwave:2711 rec.ham-radio.swap:792 rec.ham-radio.packet:3045 rec.ham-radio:16873
Posted: Tue Nov 13 21:23:23 1990

> [lots of stuff deleted...]

What does all this have to do with rec.radio.shrotwave, rec.ham-radio.packet, rec.ham-radio, and rec.ham-radio.swap???

PEOPLE, PLEASE check the Followup-To: and Newsgroups: lines before you blindly post! Even better, email direct unless what you have to say is really of general interest!

sigh

(Yes, I know I'm guilty of adding to the noise, but wading through all this junk gets tiring!)

-- Lewis R. Jansen, N2KNV   lrj@helios.tn.cornell.edu
LASSP/LNS Systems Manager   (607) 255-6065

"You can't fight in here, this is the War Room!"

From -2626905922648796984
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc59009a31e11147,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 13:11:45 PST
Path: gmdzi!unido!mcsun!uunet!bellcore!att!linac!pacific.mps.ohio-state.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!hpdmd48!robg
From: robg@hpdmd48.boi.hp.com (rob gibson)
Newsgroups: rec.ham-radio
Subject: Re: AMSAT Nets??
Message-ID: <530030@hpdmd48.boi.hp.com>
Date: 13 Nov 90 21:11:45 GMT
References: <1990Oct31.034041.12350@ariel.unm.edu>
Organization: Hewlett Packard - Boise, ID
Lines: 6
Posted: Tue Nov 13 22:11:45 1990

The AMSAT HF Nets can be found at 3.840 MHz every Tuesday night at 8 PM local time. There are three nets, one each for the East, Central, and West time zones.

Rob Gibson (AA6IE) (208) 323-3642

From 4419574095444963597
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca563ecc995bb157,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 13:44:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!fernwood!uunet!motcid!sagerian
From: sagerian@motcid.UUCP (Steve M. Sagerian)
Newsgroups: rec.ham-radio
Subject: MOTOROLA HAM CLUB JACKET PURCHASE
Summary: M.A.R.C. annual club jacket buy is going on now, deadline 14 dec 1990
Keywords: MOTOROLA AMATEUR RADIO CLUD
Message-ID: <5248@ash44.UUCP>
Date: 13 Nov 90 21:44:20 GMT
Distribution: rec
Organization: Motorola Inc., Cellular Infrastructure Div., Arlington Heights, IL
Lines: 23
Posted: Tue Nov 13 22:44:20 1990

Attention...members of the Motorola Amateur Radio Club....

MOTOROLA AMATEUR RADIO CLUB JACKET ORDERING TIME IS NOW AT HAND...

The jacket will be (like last years model only newer..) the windbreaker style, royal blue in color with lining and white lettering printed on the back (with the Motorola ARC logo) and your name and callsign Stitched in white thread on the front. The call sign will be in block letters and the name is in script font. The price below includes everything..tax, printing,stitching and delivery. The Deadline to order is 14 December 1990.

Sizes and cost...

S,M,L,XL (these are normal sizes)	$29.03
XXL	$32.74
3XL	$36.03
4XL	$40.03

Checks only, made out to the Motorola Amateur Radio Club

Contact Steve Sagerian @ 2-4614

Limited offer, void where prohibited, operators are standing by..

From 8503476578582361473
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fbfb2f94b1bce2b
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-11-13 14:04:50 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Re: KILL files
Message-ID: <4375@altos86.Altos.COM>
Date: 13 Nov 90 22:04:50 GMT
References: <22842@ucsd.Edu> <1990Nov13.013030.12348@ux1.cso.uiuc.edu>
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 19
Posted: Tue Nov 13 23:04:50 1990

In article <1990Nov13.013030.12348@ux1.cso.uiuc.edu> phil@uxh.cso.uiuc.edu (Phil Howard) writes:

```
|brian@ucsd.Edu (Brian Kantor) writes:
|>   /: *phil@ux1/h:j
|                 ^^^
|-----------------^^^
|
|>   /: *brian@uscd/h:j
|
|Sorry, Brian, I could NOT resist the temptation.  :-)
```

You might as well have resisted, since he won't see your article...

```
--
Jerry Gardner, NJ6A                         Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos!jerry   2641 Orchard Parkway
Internet: jerry@altos.com                   San Jose, CA  95134
Guns don't kill people, bullets do.                      (408) 432-6200
```

From -3795102363878283857
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6902462f32ad06b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 14:23:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ncar!midway!gargoyle!igloo!ddsw1!indep1!tosspot!lee
From: lee@tosspot (Lee Reynolds)
Newsgroups: rec.ham-radio
Subject: Wanted: Belcom FS-1007P
Keywords: Ack Gag Bob
Message-ID: <iPiLs1w163w@tosspot>
Date: 13 Nov 90 22:23:17 GMT
Organization: Ludus Associates Incorporated
Lines: 8
Posted: Tue Nov 13 23:23:17 1990

Looking for a Belcom FS-1007P (for purely sentimental reasons).

Anyone out there (probably in JA land or Europe) got one they'd
like to sell??

Lee
(603)924-0042

From -6867063222506280983
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fc8cdf85724a1e8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 14:58:40 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: Swap Nets
Message-ID: <9011132259.AA15673@ucsd.edu>
Date: 13 Nov 90 22:58:40 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 2
Posted: Tue Nov 13 23:58:40 1990

Last time I listened to the 40M west-coast swap it was on or around
7.240.

From -1210906475086286560
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d7328fd0dd101f31
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 15:02:00 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!usc!apple!agate!
ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: QRP HF Radios.
Message-ID: <9011132304.AA16176@ucsd.edu>
Date: 13 Nov 90 23:02:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Wed Nov 14 00:02:00 1990

The Mizuho 'MX" series, 6 and 10M versions, were sold by AEA for a
while as the "DX Handy", as far as I can tell.
They seem to have closed them out, and there's a surplus place that
still has some 10M units left. Look in the latest isssue of CQ, I
think.
I need a manual, and antenna for a 10M unit, if anyone knows where I

```
might get them.


From -1822107333777149125
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9df0470804c0dbf8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 15:04:35 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!unixhub!shelby!paulf@shasta.Stanford.EDU
From: paulf@shasta.Stanford.EDU (paulf)
Newsgroups: rec.ham-radio
Subject: Re: Phone patch by automatic repeater NOT LEGAL
Message-ID: <12@shasta.Stanford.EDU>
Date: 13 Nov 90 23:04:35 GMT
References: <1990Nov13.010608.8311@ux1.cso.uiuc.edu>
Organization: The Three Packeteers
Lines: 6
Posted: Wed Nov 14 00:04:35 1990

The problem with that interpretation is that it fails to survive Occam's
Razor:  Why should operation of a repeater / patch be different on 220 and
up than on 10, 6 and 2m?  Clearly, the law is not logically consistent...

-=Paul Flaherty, N9FZX      | Life is an inherent shift -  reduce conflict.
->paulf@shasta.Stanford.EDU |


From -6102349389012003177
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f7d50eea31a7753
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 15:27:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ncar!midway!
ux1.cso.uiuc.edu!news.cs.indiana.edu!news.nd.edu!cartan!ndmath!nstar!W8GRT!
jim.grubs
From: jim.grubs@W8GRT.FIDONET.ORG (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: 8mm. camcorders
Message-ID: <421.2740422D@W8GRT.FIDONET.ORG>
Date: 13 Nov 90 23:27:51 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 17
Posted: Wed Nov 14 00:27:51 1990


 > From: yetsko@interlan.interlan.com (Mike Yetsko)
 > Date: 13 Nov 90 13:38:28 GMT
 > Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
 > Message-ID: <YETSKO.90Nov13083828@interlan.interlan.com>
 > Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,
 > rec.ham-radio
 >
 > Just have her pick up a VHS camcorder and then an 8mm camcorder.
```

Thanks to you and all the others who answered with good advice. I'll pass it on. Kids are little such a painfully short time.

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@W8GRT.FIDONET.ORG

From -8335363210230061288
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6e33a7e510bf0b9f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 15:39:23 PST
Path: gmdzi!unido!mcsun!uunet!midway!ux1.cso.uiuc.edu!news.cs.indiana.edu!news.nd.edu!cartan!ndmath!nstar!W8GRT!jim.grubs
From: jim.grubs@W8GRT.FIDONET.ORG (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: WSJ article on the future of communications
Message-ID: <422.27404233@W8GRT.FIDONET.ORG>
Date: 13 Nov 90 23:39:23 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 23
Posted: Wed Nov 14 00:39:23 1990

> From: tad@ssc.UUCP (Tad Cook)
> Date: 13 Nov 90 06:00:02 GMT
> Organization: very little
> Message-ID: <528@ssc.UUCP>
> Newsgroups: rec.ham-radio,rec.radio.shortwave
>
>
>
> I think the reporter got the quotes mixed up. I suspect that the fellow
> who was talking about building one with "$30 in parts from Radio Shack"
> was really talking about conventional phone tapping.

Whilst we're on the subject, I wonder how thrilled the CELTEL folks were with all the news reports over the weekend about the Irish member of parliament who got into hot water because someone with a scanner recorded and published his CELTEL conversation in which he called British Prime Minister Thatcher a "fat cow"?

--
Jim Grubs - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@W8GRT.FIDONET.ORG

From 2939819176890012469
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,10e910c7f3eaf0aa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 15:47:43 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1906@n8emr.UUCP>
Date: 13 Nov 90 23:47:43 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 28
Posted: Wed Nov 14 00:47:43 1990

From n8emr!W8PH Tue Nov 13 10:35:09 1990
Return-Path: <n8emr!W8PH>
Message-Id: <m0iZ1kA-0000SHC@n8emr.uucp>
[Date: Tue, 13 Nov 90 09:39 EST
[To: <ALL@ARRL>
R:901113/1347z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:12495 Z:43232
R:901113/1130 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:50292 Z:43103
R:901113/0741 @:WB8ICL.OH.USA.NA Yellow Springs #:60822 Z:45387
R:901110/0238 @:W8BI.#DAY.OH.USA.NA Dayton #:20243 Z:45424
R:901110/0234 @:NC8Q.#DAY.OH.USA.NA Dayton #:11404 Z:45419

ARRL BULLETIN 45 ARLB045
FROM ARRL HEADQUARTERS
NEWINGTON CT NOVEMBER 10, 1990
TO ALL RADIO AMATE}RS

A NOTICE OF PROPOSED RULEMAKING LOOKING TOWARD VARIOUS MINOR CHANGES TO AMATEUR RULES WAS ANNOUNCED TODAY BY FCC. THE NPRM IN PRIVATE RADIO DOCKET 90-561 RESPONDS TO PETITIONS BY ARRL AND THREE INDIVIDUALS. THE NEWS RELEASE MENTIONS SOME OF THE ITEMS IN THE REQUESTS, BUT DOES NOT IDENTIFY WHICH SUBJECTS ARE ACTUALLY BEING PROPOSED. THE COMMISSION SEEKS COMMENTS ON SOME OF THE IDEAS, BUT DISMISSES OTHERS AS REPETITIOUS OR NOT WARRANTING CHANGE. THE FCC PREDICTS THAT THE TEXT OF THE NPRM WILL BE RELEASED ABOUT NOVEMBER 19. COMMENT DEADLINE IS LIKELY TO BE IN LATE JANUARY, AND REPLY DEADLINE LIKELY TO BE IN EARLY MARCH. PLEASE WATCH FOR A FURTHER INFORMATION BULLETIN IN TEN DAYS OR SO.

From 2867344475281770363
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6fa1969756a3c57d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 16:00:12 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!munnari.oz.au!bruce!mlacus!pault
From: pault@mlacus.oz (Paul Taylor)

Newsgroups: rec.ham-radio
Subject: Homebrew UHF SWR meter
Keywords: SWR,homebrew,construction,nomoney
Message-ID: <680@mlacus.oz>
Date: 14 Nov 90 00:00:12 GMT
Organization: Aust Centre for UNISYS Software(ACUS Melb)
Lines: 22
Posted: Wed Nov 14 01:00:12 1990

Dear fellow homebrewers,

I want to build a simple SWR meter which still works at VHF and UHF. Specifically, I want it to set up a 70cm antenna. I don't need absolute accuracy, simple relative F/B comparisons are all I need to resonate the d.e.

It should be easy to reproduce (eg. stripline on PCB), and it must not use any of those isolationist US components which do not exist anywhere else in the world (ie. there must be NO references to an inductor with a footnote which says "available from USA-Q Inductors, 1119888 USA Rd. USAtown).

Can someone give me a reference to a construction article in a technical magazine (eg. HR, QST, Handbooks)?

Any help leading to a successfully procured article will be greatly appreciated and will add another satellite user from VK to the bird!

--

Paul Taylor (VK3BLY), Australian Centre for Unisys Software (ACUS).
pault@mlacus.oz

From -275594450958714137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 16:01:32 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!usc!apple!agate!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <7880366@hpfcdc.HP.COM>
Date: 14 Nov 90 00:01:32 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
Organization: HP Fort Collins, Co.
Lines: 81
Posted: Wed Nov 14 01:01:32 1990

>>Here's my modest proposal: provide (small) code-free [vsu]hf subbands.
>>If they turn into glorified CB bands, then don't give them any more
>>bandwidth. If they turn into real technology mills, then expand them.

>
>My argument against this is that small subbands won't produce any usable
>results due to:
>
>1. Subbands might be too small.

NIMBY is just what I had in mind. Define some proportionately-sized
subbands. I don't want all of >30 MHz turned over to to these new
licenses until they can prove they can behave themselves. I used to be
a CBer, good buddy, and NIMBY essential for me to support a codeless
license that (presumably) will attract the masses.

>2. Semi-ghetto effect due to lack of contact with hams on the "main"
>   subbands.
>3. Duplication within these subbands of band planning done elsewhere
>   and resultant planning/ccordination problems.

This is provably false. Look at the current incentive-induced Novice
ghettos, and tell me that you still belive this. Gentlemen's agreements
for DX, ATV, packet, et.al. grow from the allocation. That will be
the first test - can the NoCoders be Gentlemen ?

>>Two guys here knew they
>>were being hazed, but then got into the challenge so much, they went for
>>13 WPM !
>
>And what if they had NOT been hazed? Might they be going for 20 or even 35?

Well, I'm one of them, and I'm at 20 seconds of solid copy at 18 WPM. I
see it as a challenge, and much more real-world than watching TV,
playing computer games, working DX, or any of the other Great American
TimeSinks.

>>For anyone who plays Tetris, or any of those video games, Morse Code is
>>like making it to Level 5, 13, or 20. I've watched my wife spend hours
>>trying to hit level 10 / height 6. No difference. She could have been
>>at 13 WPM by now.
>
>OK, so when do we see the "Morse Code Game"?

It's currently playing on cassette players across the country. Sigh, no
blinkenlights or whizzengrafics.

Attitude, my friend, it's all in the attitude. It is a game if _you_
define it to be (just like life, but I wax philosophical). The problem
is that Morse is an audio training exercise, and any video is a
distraction. Pretty low tech, I'm afraid.

>>Agreed. But the purpose of ham radio is not efficient communications.
>>(Boy, am I going to get flamed for that.) The purpose is to _develop_

>>and _test_ efficient communications (like packet, new modulation
>>techniques, etc).
>
>One of them, anyway.

Right. We occasionally do public service and other stuff.

>>Then we need to create a VHF-and-up license class. But, if that happens,
>>I want large Communicator-free subbands. If the usage patterns explode
>>like everyone predicts, then give them more spectrum. If they behave
>>like cretins, take away some spectrum.
>
>How large? Where do you divide the spectrum? Specific ideas?

Hey, I don't know ! If I did, I'd have some specific suggestions. My
off-the-cuff impulse is to make Communicator a sub-band within the
Novice subband on >30 MHz. If the subband doesn't exist, create one
like that found on HF. I'd suggest an initial allocation of 10-20% of
the (sub)band. I think we have enough on 1200 MHz and up to allocate a
couple ATV channels.

>> Perry
>--Phil Howard, KA9WGN--
Perry / KF0CA

From 854124885416611074З
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d5f33337cabdcfad
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 16:02:33 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!
dali.cs.montana.edu!masscomp!ocpt!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: Extra Class ?
Message-ID: <1133@tsdiag.ccur.com>
Date: 14 Nov 90 00:02:33 GMT
References: <17190@shlump.nac.dec.com>
Organization: Concurrent Computer Corp. Oceanport NJ
Lines: 23
Posted: Wed Nov 14 01:02:33 1990

In article <17190@shlump.nac.dec.com> magid@esis.enet.dec.com (Joel Magid...)
writes:
-
-    Should we continue to issue Extra Class licenses in the current
-    manner ?
-
-    Should we not reserve this class for those who can really
-    demonstrate the capabilities beyond the norm that we see
-    today and have done so maybe for the last 10 or 20 years.

I've only been a licensed ham for about one year now, but I've been interested in the hobby and have listened in for about 10 years. After hearing some of the absolutely moronic and obnoxious things done by extras (not to mention watching one blow out the finals of a radio 'cause "He was an extra and knows how to tune a radio") I'd have to agree with you. I'd like to see a license class or endorsement the translated into real respect for _proving_ that you possess the _spirit_ of amateur radio, not just the ability to memorize a multiple-guess question pool.

```
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

From -3279941507571234782
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a20a92f068ef7b26,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,a20a92f068ef7b26,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-13 17:30:30 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!joehol
From: joehol@microsoft.UUCP (Joseph HOLMAN)
Newsgroups: rec.ham-radio.swap,rec.ham-radio
Subject: WANTED: 1296 gear
Keywords: 1296MHz gear
Message-ID: <59077@microsoft.UUCP>
Date: 14 Nov 90 01:30:30 GMT
Organization: Microsoft Corp., Redmond WA
Lines: 11
Xref: gmdzi rec.ham-radio.swap:784 rec.ham-radio:16842
Posted: Wed Nov 14 02:30:30 1990

THIS A POSTING FOR WM7A, Jimmy, please contact him @ 206-927-7088.

WANTED: 1296 MHz gear

```
     either
          IC-1271A
     or,
          SSB LT-23-S
```

****

From -7362203000474228940
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bf3604297900ab8d,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-11-13 17:50:04 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!udel!mvac23!thomas
From: thomas@mvac23.UUCP (Thomas Lapp)
Newsgroups: rec.ham-radio
Subject: Listing of Packet BBS's wanted
Message-ID: <399.UUL1.3#5131@mvac23.UUCP>
Date: 14 Nov 90 01:50:04 GMT
Sender: usenet@ee.udel.edu
Organization: MultiVac23, Newark, DE, U.S.A.
Lines: 15
Posted: Wed Nov 14 02:50:04 1990
Nntp-Posting-Host: louie.udel.edu

Does anyone know if there is a listing of packet BBS's which also
have a connection to the internet via the ampr.org domain? I
would be interested in a copy if there is one online somewhere.

thanks,
                         - tom
--
```
internet     : mvac23!thomas@udel.edu  or  thomas%mvac23@udel.edu (home)
             : 4398613@mcimail.com (work)
uucp         : {ucbvax,mcvax,psuvax1,uunet}!udel!mvac23!thomas
Location     : Newark, DE, USA
Advise:      : Be slow to anger, and quick to praise
```

--
The UUCP Mailer

From 8943789472789393109
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d81e0a2de1003df6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-13 19:37:04 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!wuarchive!udel!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!Dave.Stark
From: Dave.Stark@f218.n260.z1.FIDONET.ORG (Dave.Stark)
Newsgroups: rec.ham-radio
Subject: Re: Hams,Public service/mods to radios for 11 meters
Message-ID: <203.27419CCE@rochgte.FIDONET.ORG>
Date: 14 Nov 90 03:37:04 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 17
Posted: Wed Nov 14 04:37:04 1990

> From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
>
> > Message-ID: <590@chiton.ucsd.edu>

```
 >  > Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,
 >  > rec.ham-radio
 >    [text of other person's message omitted for space]
 > PS -- What's the point to separate newsgroups if everyone posts
 > in all of them?

      Hear, hear!


--
Dave.Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!Dave.Stark
INTERNET: Dave.Stark@f218.n260.z1.FIDONET.ORG


From 7052432300289430635
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2a67f38c8f69b932,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109f45,2a67f38c8f69b932,start
X-Google-Attributes: gid109f45,public
X-Google-Thread: f8421,2a67f38c8f69b932,start
X-Google-Attributes: gidf8421,public
X-Google-Thread: 104158,2a67f38c8f69b932,start
X-Google-Attributes: gid104158,public
X-Google-Thread: 153dd0,2a67f38c8f69b932,start
X-Google-Attributes: gid153dd0,public
X-Google-ArrivalTime: 1990-11-13 19:37:44 PST
Path: gmdzi!unido!mcsun!uunet!bbs!ddsw1!arf
From: arf@ddsw1.MCS.COM (Jack Schmidling)
Newsgroups: talk.politics.mideast,talk.politics.misc,misc.headlines,rec.ham-
radio,rec.redio.shortwave
Subject: ARF ENDS BOYCOTT
Message-ID: <1990Nov14.033744.9490@ddsw1.MCS.COM>
Date: 14 Nov 90 03:37:44 GMT
Reply-To: arf@ddsw1.MCS.COM (Jack Schmidling)
Organization: ddsw1.MCS.COM Contributor, Wheeling, IL
Lines: 84
Xref: gmdzi talk.politics.mideast:2492 talk.politics.misc:5444 misc.headlines:3088
rec.ham-radio:16901
Posted: Wed Nov 14 04:37:44 1990



 Article 10475 (5 more) in talk.politics.mideast:
 From: endelman@wellworld.Sun.COM (Aaron Endelman)
 Subject: Re: ARF ENDS BOYCOTT

 >ARF is Schmidling's "Amateur Radio Forum".  I read
 rec.ham-radio and it seems that he uses the 40 meter (7 MHz)
 ham band to preach his political gospel, which is
 probabilistic given FCC restrictions on the content of
 amateur transmissions.
```

ARF says:

Interesting word, probabilistic. If you are questioning the legality of ARF, give up. The Forum is not only well within the legal constraints of amateur radio, it is very popular and probably the only worthwhile and constructive use currently being made of the amateur frequency allocations.

> The ham who commented about it in rec.ham-radio found it a dubious and annoying use of bandwidth and that it was pretty much only Jack doing his thing and didn't involve other hams.

ARF says:

I hate to burst your bubble, but I stopped keeping records when the "roll call" reached 1000. That's 1000 different hams actually participating in the discussions, not to mention those that just listen, in addition to tens of thousands of shortwave listeners. I receive cards and letters from listeners all over the world.

In addition to our own discussions, I frequently interview guests and field questions and comments for them. Among the notable guests:

Jerry Levin	former hostage, CNN bureau chief
Rob Sherman	American Atheists
Paul Findley	former congressman
Wayne Heimbach	Amnesty International
Rashid Khalide	Prof U of Chi
Jay Miller	ACLU
Dr Ron Pine	taxonomist, Field Museum
Dr Louise Cainkar	Pal Human Rights Info Center
Mark Bruzonski	Jewish Committee on Mideast
Abdul Wali Mohammad	Nation of Islam

It is typical strategy of your type to belittle what you can not deal with in any other way but for the benefit of those who really care, the schedule for ARF is:

Thursday at 9:PM Local time in Chicago.

The frequency is 3.950 MHZ, LSB.

Unfortunately, you must have a short wave receiver capable of single sideband reception.

....

If you have had it with the "best congress money can buy", e-mail to arf and I will send you info on how to do something about it.   DO IT NOW!

****

If you have received the info, email to arf for the
current......... ARF ALERT.   Specify "Alert Only"

ARFNET: A Network of concerned Americans utilizing
computer and ham radio communication links.

Unix: arf@ddsw1
Amateur Radio Forum (ARF) NR9Q
Thurs 09:PM CST   3950 KHZ

NEVER VOTE FOR THE INCUMBENT!

....

*** SUPPORT SENDING TROOPS TO DEFEND ISRAEL ***

From -4519816210099954763
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4105b76a22c11933,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 04:16:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
elroy.jpl.nasa.gov!decwrl!ucbvax!STLAWU.BITNET!MROWEN
From: MROWEN@STLAWU.BITNET ("Michael R. Owen W9IP")
Newsgroups: rec.ham-radio
Subject: Packet DX
Message-ID: <9011141324.AA07007@ucsd.edu>
Date: 14 Nov 90 12:16:32 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: SAINT LAWRENCE UNIVERSITY
Lines: 16
Posted: Wed Nov 14 13:16:32 1990

In a recent posting, Phil Howard asked about a separate VHF sub-band or channel for packet DX. Astonishingly, I agree with Phil. Packet DX can be a load of fun. During an Es opening a couple of years ago, my packet logger overflowed with W5s in about 5 minutes - quite a bit faster than I would have been able to work them manually. Luckily, I live in an area where loacl packet activity was low at that time, otherwise no DX could have overcome local QRM.

A separate packet band, well removed from the weak-signal areas of the VHF bands, would be ideal. Perhaps the region just above the beacon bands on 144 MHz and up? You'd only need about 25 KHz, I think.

The trick, of course, will be in keeping these channels free of local

traffic. We've been fighting that battle on the SSB calling frequencies
and the 6-meter DX window for a long time...

```
From -1444979110662660021
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32acb5c1a574d147,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 04:52:41 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!ucbvax!husc6!genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: Updated Macintosh Ham Stacks (for HyperCard) now available
Message-ID: <39651@genrad.UUCP>
Date: 14 Nov 90 12:52:41 GMT
Sender: news@genrad.UUCP
Lines: 62
Posted: Wed Nov 14 13:52:41 1990
```

This is just to let you know that I've finally updated the Ham Stacks to the latest
question pools. It has been a long hard battle, since I have been unable to GET
the latest question pools until just recently. My thanks to Stan and Peter and ARRL
and W5YI (and others) who helped point me in the right direction.

Anyway, here's the scoop. I've created 5 Hypercard stacks which allow you to test
yourselves realistically for that upcoming license upgrade. Each of the stacks has
the entire question pool in it and it will automatically generate a pseudo-random
test of the correct length (for example, 30 for the Novice) AND the right subdivision
question mix at the beginning of each test. Each will automatically score you (and
even clap hands if you get 90 or above) at the end of each test and will tell you
which questions you missed and give you the option of reviewing these missed
questions.

There are other features as well. You can print a "test" to be given to others. It
even prints the question key. Be aware, though, printing a "test" takes a LONG time,
but it does work. You can also print just the score sheet (along with the question
key) if you wish to keep track of how you're progressing. You can set the test to
provide automatic feedback of question correctness, or to only tell you which you
missed at the end of the test. This makes it QUITE nice for using the Novice test
to ACTUALLY test prospective Novices and it IS legal (I have spoken with some VE's
about this). There are some extra, slightly manual, hooks that I've placed into
the Novice test, to facilitate giving these tests to Novices (these hooks are NOT
documented, since I'm still playing with them).

These stacks are only available for Macintosh computers, so please don't ask me if

you can use them on an IBM.....you can't. These stacks also require that you already have HyperCard which is a software tool which is shipped with Macintoshes nowadays.
I will not send you HyperCard; if you don't have it, speak to your local Macintosh dealer. Note that HyperCard requires at least 1Megabyte RAM and PREFERABLY a hard disk drive.

The latest version of stacks are as follows:
- Novice Ham Stack v3.0
- Technician Ham Stack v3.0
- General Ham Stack v2.0
- Advanced Ham Stack v2.0
- Extra Ham Stack v2.0

These may be obtained directly from me by sending a SASE (self-addressed stamped envelope) and 800K diskette (be sure the SASE is suitable for the diskette). The stacks are shipped in a compressed format, but the decompresser is also provided on the diskette. In unpacking them (onto another diskette or hard drive), my only recommendation is : BE PATIENT. The unpacker is SLOW and doesn't provide any feedback that it's doing anything for about 2 minutes, but it does work.

Evenutally, these stacks will be available via anonymous ftp thru Patty Winter (winter@apple.com) or her associates. I do NOT have the ability to send these via email or anonymous ftp, so don't ask. Other bulletin boards may also have these available (for example, the one in New Hampshire thru WD1V), and I have no objection to anyone making them available to other people. This software is PUBLIC DOMAIN and may not be sold by ANYONE except me, and I'm not selling it.

If you're interested, my address is:

Diana L. Syriac
49A Meadow Pond Drive
Leominster, Ma. 01453

```
->Diana L. Syriac      dls@genrad.com         Ham: KC1SP (Sweet Pea)      <-
->I'D RATHER BE FLYING! P-ASEL, INST      CAP: 1LT, Freedom 690 Mobile<-
->GenRad                    AD ASTRA, PER ASPERA       <-
->MS/6, 300 Baker Ave, Concord, Mass.  01742   (508) 369-4400 x2459        <-
```

```
From -4984299292883296692
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9aed40f6b1edea9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 05:52:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
pacific.mps.ohio-state.edu!linac!att!cbnewsh!mrb1
From: mrb1@cbnewsh.att.com (maurice.r.baker)
Newsgroups: rec.ham-radio
Subject: Silent Key worthy of note
```

Message-ID: <1990Nov14.135227.12627@cbnewsh.att.com>
Date: 14 Nov 90 13:52:27 GMT
Organization: AT&T Bell Laboratories
Lines: 26
Posted: Wed Nov 14 14:52:27 1990

Excerpted from "Broadcasting" magazine of 11/12/90 (without permission):

> Floyd N. Lantzer, 84, engineer, died of kidney and heart failure October 27 at Bethesda North Hospital in Cincinnati. Joining WSAI(AM) Cincinnati in late 1920's as engineer, Lantzer later joined Crosley Radio Co.'s co-owned WLW(AM) in Mason, Ohio.
>
> Credited as engineer who gave WLW around-the-world reception with 500,000 watts in 1934-38, Lantzer retired in 1968 after 40 years with station.
>
> Lantzer was also amateur radio operator for 60 years.

There are few radio enthusiasts who have not heard WLW, even at its present 50,000 watt power level. The stories about the 500,000 watt operations are legendary, and Mr. Lantzer must have been quite a person.

Just thought that his passing should not go unmentioned. Perhaps some other rec.ham-radio readers knew him personally, and could share some details of his work. As a former broadcast engineer, I'd sure be interested.

M. Baker
WA3ZXO
AT&T Bell Labs, Holmdel
homxc!jj1028 -or- jj1028 at homxc.att.com

From -5616903342807988654
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ef88d8297e965421,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 06:55:44 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!abvax!iccgcc!macmillan
From: macmillan@iccgcc.decnet.ab.com
Newsgroups: rec.ham-radio
Subject: PRB-WON... GAME POINT !!!!!!!
Message-ID: <1979.274114a0@iccgcc.decnet.ab.com>
Date: 14 Nov 90 14:55:44 GMT
Lines: 18
Posted: Wed Nov 14 15:55:44 1990

GAME POINT!!!!!!!

```
     ROCKY RIVER, OHIO

          P R B  W O N ! ! ! ! !

     NOVEMBER 14, 1990, WA8ZHN HAS BEEN AWARDED RECOVERY OF LEGAL
     FEES BY THE FEDERAL COURT IN CLEVELAND, OH.

     MORE TO COME,

     ATTENTION MR WEBSTER... THERE IS A NEW DEFINITION FOR


          CLOUT >>>> PRB-WON


From -8512491461578554769
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca563ecc995bb157
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 07:45:43 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!oakhill!dover!darla!waters
From: waters@darla.sps.mot.com (Strawberry Jammer)
Newsgroups: rec.ham-radio
Subject: Re: MOTOROLA HAM CLUB JACKET PURCHASE
Keywords: MOTOROLA AMATEUR RADIO CLUD
Message-ID: <2464@dover.sps.mot.com>
Date: 14 Nov 90 15:45:43 GMT
References: <5248@ash44.UUCP>
Sender: usenet@dover.sps.mot.com
Reply-To: waters@darla.sps.mot.com (Strawberry Jammer)
Distribution: rec
Organization: Hacker's haven
Lines: 22
Posted: Wed Nov 14 16:45:43 1990

In article <5248@ash44.UUCP> sagerian@motcid.UUCP (Steve M. Sagerian) writes:
{Attention...members of the Motorola Amateur Radio Club....
{
{MOTOROLA AMATEUR RADIO CLUB JACKET ORDERING TIME IS NOW AT HAND...

Not sure why, but my mail to you just bounced.


Is this open to ALL Motorola Clubs or just Shaumburg?

If we (AZ) can get these jackets, please send me info by company mail so I
can share it at the next club meeting:

Mike Waters, Phoenix Patent Dept., MD CS44, Bldg AZ24
Phone (602) 952-4704

Save a 3XL for me BTW!
```

*Mike Waters   AA4MW/7 waters@dover.sps.mot.com *

There is no right way to do wrong.

From -7496997014134876723
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6fa1969756a3c57d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-14 07:53:11 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!uflorida!haven!wam!rustyh
From: rustyh@wam.umd.edu (Rusty Haddock)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew UHF SWR meter
Keywords: SWR,homebrew,construction,nomoney
Message-ID: <1990Nov14.155311.12411@wam.umd.edu>
Date: 14 Nov 90 15:53:11 GMT
References: <680@mlacus.oz>
Sender: usenet@wam.umd.edu (USENET Posting)
Reply-To: michael@vk2bea.UUCP (Michael Katzmann)
Organization: Broadcast Sports Technology.
Lines: 30
Posted: Wed Nov 14 16:53:11 1990

In article <680@mlacus.oz> pault@mlacus.oz (Paul Taylor) writes:
>Dear fellow homebrewers,
>
>I want to build a simple SWR meter which still works at VHF and UHF.
>Specifically, I want it to set up a 70cm antenna.

Try page 11.9 of the RSGB's excellent book "VHF/UHF handbook" (probably
available from the WIA (or even Dick Smith)).
There is a description of a precision-type reflectometer and a general
purpose directional coupler.

>
>It should be easy to reproduce (eg. stripline on PCB), and it must not use
>any of those isolationist US components which do not exist anywhere
>else in the world (ie. there must be NO references to an inductor with a
>footnote which says "available from USA-Q Inductors, 1119888 USA Rd. USAtown).
>

Over here in the good old us of a directional couplers are almost always
to be had at ham-fests (of which there are many over the summer), but
alas in Oz there are very few (and very little gear available)

--
Michael Katzmann   ..uunet!opel!arinc!vk2bea!michael
                   VK2BEA / NV3Z / G4NYV
Broadcast Sports Technology Crofton, MD.

```
--
Rusty Haddock      o  {uunet,att,rutgers}!mimsy.umd.edu!fe2o3!rusty
Laurel, Maryland   o  "IBM sucks silicon!" -- PC Banana Jr, "Bloom County"
```

From -2981404401691771271
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2631dd02572e2d70
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 07:01:34 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!decwrl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (=Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: Genderless pronoun: na
Summary: Genderless Language
Message-ID: <113@thoreau.nsc.com>
Date: 12 Nov 90 15:01:34 GMT
References: <EF5525CFCB20601320@UCBEH.SAN.UC.EDU> <15503@burdvax.PRC.Unisys.COM>
Organization: National Semiconductor, S. Portland, Maine
Lines: 27
Posted: Mon Nov 12 16:01:34 1990

Pardon the intrusion, I rarely get into this sort of thing. I have done a lot of canvasing of my friends and it seems that the ENGLISH language in its many variants is the only genderless language. This is to say that nouns have no gender association and that verbs conjugate without gender based rules. As far as I have been able to establish, all other terrestrial languages have gender based structure and rules: Asiatic, African, European, Oceanic and Native American, even classical and most "extinct" languages.

Yes, it is curious that we mantain links to our linguistic roots by referring to automobiles with feminine endearments, fishes and fauna with masculine explative etc. Yes, it is true that much of the language is gender oriented but, in the case of common discussion and general text it is not inappropriate to refer the "common person" as either a masculine or feminine entity. The usage of a singular gender in these cases is NOT an affront to the "common person". What is an insult to the "common person" is that such references are demonstration of insensitivity.

Indeed, any such uncontrolled speech or idea is now taken as lacking in sensitivity. As for me, my sensitivity (minimum detectable signal) has been breeched. Is it not intriguing that this thread of discussion began as a posting of non-ham activities at a convention? I will let you draw your line from that.

Ron, K3FR

From -9036640162773871203
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31b600885a922323
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 07:38:39 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Phone bashing
Keywords: just suppose
Message-ID: <1518@ke4zv.UUCP>
Date: 12 Nov 90 15:38:39 GMT
References: <39522@ut-emx.uucp>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 67
Posted: Mon Nov 12 16:38:39 1990

In article <39522@ut-emx.uucp> oo7@ut-emx.uucp (Derek Wills) writes:
>Most phone DXing and contesting is conducted in English (well, most is in
>Amurrican but we'll overlook that). Suppose you were Japanese, didn't speak
>English, but got interested in amateur radio and DXing. Do you really think
>that learning cw in order to do cw DXing would be such a terrible thing when
>compared with having to learn English in order to do phone DXing?

Let's see "w4xxx this is ja1xxx you're 59. Please QSL. QRZ?". Change the first callsign and you have the total knowledge of English needed by ja1xxx to work DX. Nothing else ever changes. It probably won't take a DXer more than four or five hours to memorize that. Then he's set for life on ham radio.

>What's my point?   Just that the dislike of cw among some of the people on
>this net is probably conditioned by the fact that speaking English is not a
>problem for them. If international communications were all either in CW or
>in Japanese, you would be facing the same sort of choice that many Japanese
>face in getting on the air.   It also means that if you want to work lots of
>JAs and UAs it is a good idea to stay fluent in cw.

Let's see "W4XXX DE JA1XXX UR 59 PSE QSL QRZ?" The DX exchange still looks like English in CW, it just takes longer to send. Course you could program a memory keyer so you could be catching up on your log while the "communication" is taking place.

>I don't see a lot of difference between the attitudes "they should all learn
>my language" and "I shouldn't have to learn cw", or, for that matter, "why
>can't you get a decent hamburger and fries in Burkina Faso?" (sadly, you
>probably can).
>
>I understand that this is not addressing the current requirement to learn
>cw in order to make "I'm on my way home, honey" calls on 2 meters, but the
>no-code thing goes further than that, I think. Most anti-code people would
>like to see the cw requirement dropped for HF operation, and the next logical
>step would be opening the cw bands for phone operation. Meanwhile, a good

>fraction of all the "foreign" stations will still be using cw because it is
>easier than learning English for many of them.
>
>I also realize that I am equating "HF operation" with "DXing" but I think of
>them as the same thing. I don't go on 20m in order to talk with people in
>the same country, although some people obviously do - they need professional
>help :-)

I agree with Derek that content free contacts can be done as easily with CW as with phone, it's just slower and more tedious and you have to learn a manual encoding method to do it. But I believe that real communication of real ideas is more important than content free DXing. To do real communication both parties must share a common language of ideas, a natural language, and not just a common encoding method. Real conversations conveying real ideas are possible using Morse encoding, or RTTY encoding, or even voice, but a common natural language is a necessity. The only modulation methods that can convey ideas between people that don't share a common natural language are pictorial (SSTV, FAX, FSTV). And even then visual symbols don't always translate into the same internal natural language ideas.

Derek, if the sum of your HF ham radio experience is limited to DX exchanges, you're missing out on a grand opportunity to learn what the rest of the world thinks and feels. It's worth your time to learn a little conversational Russian, or maybe your college German or high school French will come back to you with a little practice. You know, some parts of the world even speak English, like Australia, New Zealand, the subcontinent of India, South Africa, even England. It's estimated that nearly 80% of the world's population knows at least a little English. Try actually talking with some of them, you might enjoy it.

Gary KE4ZV

From 4157945767048124442
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b4387f31195990d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 07:43:38 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!news.cs.indiana.edu!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.uucp (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Code & Other requirements
Message-ID: <403.273E83A7@w8grt.uucp>
Date: 12 Nov 90 15:43:38 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 27
Posted: Mon Nov 12 16:43:38 1990

 > From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)

```
 > Date: 12 Nov 90 01:31:57 GMT
 > Organization: University of Illinois at Urbana
 > Message-ID: <1990Nov12.013157.29119@ux1.cso.uiuc.edu>
 > Newsgroups: rec.ham-radio
 >
 >     >I don't think the rules say "proficiency only when the test is
 > given",
```

The ITU Treaty doesn't even say "proficiency". It says "demonstrate a knowledge of".

> I learned just barely enough code to pass the Novice and didn't need any
> more to pass the Tech. I presently have no interest in Morse Code.

And you're not a CB/LID ruining the ham radio bands??? Hmm, must be a lesson there....

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _)             THIS SPACE FOR RENT
  | ,___|  ______________Request rate list.____________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

```
From -6874630529360891679
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1e244fc5b824b825,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 07:54:11 PST
Path: gmdzi!unido!mcsun!uunet!know!tegra!vail
From: vail@tegra.COM (Johnathan Vail)
Newsgroups: rec.ham-radio
Subject: 900 MHZ TX on 24AT (Was Dual band antennas for an HT)
Message-ID: <1725@atlas.tegra.COM>
Date: 12 Nov 90 15:54:11 GMT
References: <610@nih-csl.nih.gov> <2451@dover.sps.mot.com>
Organization: Tegra-Varityper, Inc., Billerica, MA
Lines: 35
Posted: Mon Nov 12 16:54:11 1990
In-reply-to: waters@darla.sps.mot.com's message of 9 Nov 90 18:31:27 GMT
```

In article <2451@dover.sps.mot.com> waters@darla.sps.mot.com (Strawberry Jammer) writes:

> What I did was to buy the Diamond dual bander (yes I know - $$$, but then the 24AT isn't peanuts either!). Its around 15 inches long and actually has a GAIN rather than the loss you see with a "duck". Only disadvantages are the price (around $75 as I recall) and the size which makes it hard to

I think they go for about 1/2 of that. I have one and I don't remember paying that for an antenna.

> Remember you ae losing two ways with the ICOM "rubber duck" - its shortened AND its dual band. Should still hit the stronger repeaters around though.

I don't believe that there is anything inherently bad with a dual band antenna. The makers frequently make compromises but there is no reason that a dual band antenna has to be worse.

To change the subject slightly, I have heard two rumors now that there is a mod for the 24 to allow real out of band TX, like 900 meg!!! I have performed all the mods I know about and although the freq range was greatly extended it did not include 900 meg for tx. Has anyone found this mod and tried it?

jv

"Said the spike, to the tomato:
said the curry, to the corpse: `I got the hots for you'" -- RH

```
 -----
|     | Johnathan Vail | n1dxg@tegra.com
|Tegra| (508) 663-7435 | N1DXG@448.625-(WorldNet)
 -----  jv@n1dxg.ampr.org {...sun!sunne ..uunet}!tegra!vail
```

From 6445174747788477821
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5551ebca2f2c7893,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 08:15:29 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!uflorida!gatech!ukma!andreap
From: andreap@ms.uky.edu (Peach)
Newsgroups: rec.ham-radio
Subject: On-Line International Callbook?
Summary: Does an On-line International BCallbook exist?
Keywords: Callbook
Message-ID: <andreap.658426529@s.ms.uky.edu>
Date: 12 Nov 90 16:15:29 GMT
Distribution: rec
Organization: U of Ky, Math. Sciences, Lexington KY
Lines: 7
Posted: Mon Nov 12 17:15:29 1990

I am aware of the On-line US callbook that can be accessed via Internet. Does anyone know of a similar database for international calls? How about an international callbook on CD ROM?

Harold Peach, N4FLZ, Internet: hgpeach@ca.uky.edu
Please reply to the account listed above. This is my wife's account.

From -8866023573319035460
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,662ec33d218db90
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 08:23:52 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!news.crl.dec.com!shlump.nac.dec.com!koning.enet.dec.com!koning
From: koning@koning.enet.dec.com (Paul Koning)
Newsgroups: rec.ham-radio
Subject: Re: RF attenuation through PVC
Keywords: PVC attenuation
Message-ID: <1990Nov12.112155@koning.enet.dec.com>
Date: 12 Nov 90 16:23:52 GMT
References: <6960@sun103.cel.co.uk>
Sender: newsdaemon@shlump.nac.dec.com
Reply-To: koning@koning.enet.dec.com (Paul Koning)
Organization: Digital Equipment Corporation
Lines: 9
Posted: Mon Nov 12 17:23:52 1990

As a data point: I believe Austin Custom Antennas uses PVC pipe
in several of its designs, as the "radome" outer covering. One comment
was that it stands up to certain types of harsh weather (sandstorms?
Bright sun? I don't remember...) better than fiberglass.

So you should be in good shape with that approach, provided the piece
of PVC in question passes the microwave oven test.

paul, ni1d

From -6228876241275207654
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f7d50eea31a7753,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,9f7d50eea31a7753,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 114aac,9f7d50eea31a7753,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,9f7d50eea31a7753,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-12 08:52:49 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!news.cs.indiana.edu!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.uucp (Jim Grubs)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: 8mm. camcorders
Message-ID: <405.273E8DF4@w8grt.uucp>

Date: 12 Nov 90 16:52:49 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 13
Xref: gmdzi rec.radio.shortwave:2679 rec.ham-radio.swap:777 rec.ham-radio.packet:3030 rec.ham-radio:16758
Posted: Mon Nov 12 17:52:49 1990

Sorry to digress, but I'm looking for information for a friend who wants to get a camcorder for baby pictures. She's torn between 8 mm and VHS. Anybody know of a newsgroup or mail list where I can find out more about the pros and cons of each?

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _)             THIS SPACE FOR RENT
  | ,___|  ______________Request rate list.____________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From -6289711846120532138
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fc8cdf85724a1e8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 09:05:33 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!elroy.jpl.nasa.gov!lll-winken!sun-barr!newstop!sun!amdcad!mozart.amd.com!reed
From: reed@mozart.amd.com (David F. Reed)
Newsgroups: rec.ham-radio
Subject: Re: Swap Nets
Keywords: Frequencies, Times!
Message-ID: <1990Nov12.170533.19021@mozart.amd.com>
Date: 12 Nov 90 17:05:33 GMT
References: <840@tfsg.UUCP>
Organization: Advanced Micro Devices, Inc.
Lines: 29
Posted: Mon Nov 12 18:05:33 1990

In article <840@tfsg.UUCP> dennis@tfsg.UUCP (Dennis Gibbs) writes:
>I accidentally discovered a swapnet on 3898KHz Friday evening at 0130 UTC. I
>was wondering if anyone out there knows what the actual hours of operation are
>for this swapnet and if anyone knows of other frequencies and times of
>operation for swapnets? I found it very interesting and helpful even though
>I am not a ham--it seems everyone gave their phone numbers out so that persons
>without a transmitter could still participate.....

I suspect the reason for the phone numbers was so that the "business" aspects like "How many $$$?" and such could take place off the air, where most hams believe they belong.

Many local repeaters also have a swap net on a weekend night (ours is sunday) and go through "Have" and "Want" lists, updating them... yes, phone numbers here too...

You may want to inquire locally about such a net on 2 meters, and try that as well.

73

C
C
You may want to inquire locally about such a net, as it is easy to
--
____
"...just my opinion, not speaking for AMD." KK5D / 7J1AGO etc.
David F. Reed   4512 Clarno   Austin TX 78749
packet: KK5D@KB5PM   driving by? try 442.150 repeater

From 3314939529427570808
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61211017d72e222f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 09:12:43 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: RF and PVC pipe.
Message-ID: <12.Nov.90.17:15:05.GMT.#9040@UK.AC.NWL.IA>
Date: 12 Nov 90 17:12:43 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Mon Nov 12 18:12:43 1990

Yes PVC pipe is sometimes quite lossy (depends what the manufacturer uses as a 'filler' material). I once wound an ATU coil on some PVC pipe, it
made a fine dummy-load.
Polypropylene pipe (as used for domestic plumbing, as opposed to rainwater) is probably a better bet; i have used the small-bore stuff for antenna loading coils in the past (make up end-plugs out of short lengths of alloy rod to take the whip elements). Only problem is, in long lengths the pipe is quite flexible. Maybe this would be an advantage in windy locations?

   Pete Lucas G6WBJ   G6WBJ@GB7SDN.GBR.EU   PJML@UK.AC.NWL.IA 0793-411613

From 7504095475875980383
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,27db3564e423c0ee,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 09:31:51 PST

Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!
elroy.jpl.nasa.gov!decwrl!ucbvax!XEROX.COM!Hugh_E._Wells.El_Segundo
From: Hugh_E._Wells.El_Segundo@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Atari software
Message-ID: <"12-Nov-90..9:31:51.PST".*.Hugh_E._Wells.El_Segundo@Xerox.com>
Date: 12 Nov 90 17:31:51 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19
Posted: Mon Nov 12 18:31:51 1990

Sorry for the distribution to the whole net, but was unsuccessful with direct.

To: Nick Bristow, G1LYX

Hi Nick,

I see that you mentioned ST stuff. Are you also interested in Atari 8-bit stuff? If so, I have written a few programs in BASIC for electronics/ham and have many other programs on electronics on disk.

I would be happy to supply them to the library.

73

Hugh Wells
W6WTU
1411 18th St
Manhattan Beach, CA 90266

From 2238918105763867593
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a5e93602fd29f980,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 09:38:56 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!ucsd!ucbvax!
CS.WASHINGTON.EDU!pardo
From: pardo@CS.WASHINGTON.EDU (pardo@cs.washington.edu)
Newsgroups: rec.ham-radio
Subject: *sigh* another urbane legend
Message-ID: <9011121738.AA18033@june.cs.washington.edu>
Date: 12 Nov 90 17:38:56 GMT
References: <9011121455.AA06709@lg.Wellfleet.Com>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 122
Posted: Mon Nov 12 18:38:56 1990

Recently there was a notice saying

> Craig Shergold ... is a seven year old boy with an inoperable tumor on his brain. He has not been given a very long time to live and it is Craig's ambition to enter the Guiness Book of World Records for the largest number of get well cards ever received by an individual.
>
> Please send your card to: ...

The story is almost certainly an urban legend. There is a reasonably good chance that Craig Shergold does not exist. If he does exist, there is a very good chance that he doesn't want a jillion postcards raining down on him.

As has been widely documented, (see e.g., Brunvand's books on urban legends; I don't remember which one has ``the story of David''), there are a long series of stories just like this, usually about a young male child named `David'.  `David' is allegedly dying of an inoperable brain tumor whose ambition it is to get the largest number of postcards and make it in to Guiness before he dies. `David' usually lives in Florida.

Usually, there is no such child. In one case, there was such a child, he was not dying of a brain tumor (or anything else), and he was royally pissed off at getting thousands of unsolicited and unwanted postcards.

The legend is pervasive enough that it requests for postcards have shown up in newspapers and on radio. There have been several such net postings for postcards. One was so widespread that the moderators of ``news.announce.important'' (which goes to all sites in the world and has only a few articles a year) had a request to please ignore the rumors.

What should you do? Two things. First, don't send a postcard. Second, tell everybody that you've told -- and everybody who told you about the card request -- that this is an urban legend and not a real story.

;-D on (Now about this bridge with a tumor...) Pardo

---- Original:

```
Return-Path: bicycles-request@fred.bbn.com
Received: from FRED.BBN.COM by june.cs.washington.edu (5.64/7.0jh)
     id AA14874; Mon, 12 Nov 90 07:58:08 -0800
Received: from fred by FRED.BBN.COM id aa13870; 12 Nov 90 10:33 EST
Received: from BBN.COM by FRED.BBN.COM id aa13866; 12 Nov 90 10:30 EST
Received: from talcott.harvard.edu by BBN.COM id aa11216; 12 Nov 90 10:27 EST
Received: from lg.Wellfleet.Com by wellfleet.com (3.2/SMI-3.2)
     id AA11711; Mon, 12 Nov 90 09:59:13 EST
Received: by lg.Wellfleet.Com (3.2/SMI-3.2)
     id AA06709; Mon, 12 Nov 90 09:55:23 EST
Date: Mon, 12 Nov 90 09:55:23 EST
```

From: Larry Gerbick <lgerbick@wellfleet.com>
Message-Id: <9011121455.AA06709@lg.Wellfleet.Com>
To: CDREQUEST@cisco.nosc.mil, bicycles@BBN.COM,
drankin%westford.ccur.com@relay.cs.net

Subject:
Cc:

Hello everyone,
Thought you might like to send this kid a card.
Thanks
Larry

----- Begin Forwarded Message -----

Date: 10 Nov 90 20:36:46 GMT
From: sdd.hp.com!zaphod.mps.ohio-state.edu!caen!kuhub.cc.ukans.edu!
petrino@ucsd.edu
Subject: humanitarian request
To: info-hams@ucsd.edu

Dear NetFolks,

We would appreciate your responding to the request of Craig Shergold who is a seven year old boy with an inoperable tumor on his brain.

He has not been given a very long time to live and it is Craig's ambition to enter the Guiness Book of World Records for the largest number of get well cards ever received by an individual.

Please send your card to:

Craig Shergold
% Children's Make-A-Wish Foundation
32 Parimeter Center East
Atlanta, Georgia 30346

===================================--

Letters similar to this have been sent out by traditional mail to large organizations all across the U.S. on Craigs behalf. Instead of passing it on by land-mail, I thought the net would be a great way of getting the word out to as many people as possible in as short a time as possible.

Please pitch-in & send Craig a get well card, and by all means feel free to circulate this letter to local businesses/organizations, or other BBS's you may belong to. All your help and effort will certainly be appreciated! Thank you.

Sincerely,
Jack Petrino

```
======================================================================
       Jack Petrino (DRAGON)        int: PETRINO@KUHUB.CC.UKANS.EDU
       Systems Testing              bit:     PETRINO@UKANVAX
       University of Kansas         vox:      (913)864-0443
       Computer Center              fax:      (913)864-0485
======================================================================-
```

PS - I apologize for the possible redundancy of posting this net-wide. I
     hope everyone can understand the necessity/urgency of the situation.

----- End Forwarded Message -----

From 8693694928311277528
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aa2d98b6cd423fa5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,aa2d98b6cd423fa5,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-11-12 09:48:16 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!yale!venus!yalevm!maine!risk
From: RISK@MAINE.BITNET (Paul H. Risk)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Public Serv Freqs Wanted: Texas
Message-ID: <90316.124816RISK@MAINE.BITNET>
Date: 12 Nov 90 17:48:16 GMT
Organization: University of Maine System
Lines: 15
Xref: gmdzi rec.ham-radio:16804 rec.radio.shortwave:2685
Posted: Mon Nov 12 18:48:16 1990
Supersedes: <90313.162618RISK@MAINE.BITNET>

I'm moving to Nacogdoches, Texas the first of December and
would like to get a listing of public service agency freqs
(police, fire, ambulance, etc.) statewide and for East TX.
<RISK@MAINE.MAINE.EDU>

```
Dr. Paul H. Risk, Assoc. Prof.     /|c
Parks, Recreation & Tourism       / | c
College of Forest Resources      /  |  c
University of Maine             /   |   c
Orono, Maine 04401              /---|---c
(207) 947-4496 (home)               |
(207) 581-2882 (office)
N1DJD @ K1RQG.ME.USA.NA
```

73...   Paul, N1DJD

From -7926302080578956516
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 09:53:40 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!zaphod.mps.ohio-state.edu!
mips!twg.com!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <8266@gollum.twg.com>
Date: 12 Nov 90 17:53:40 GMT
References: <7880341@hpfcdc.HP.COM> <1990Nov6.172134.29539@midway.uchicago.edu>
<1990Nov7.174742.10452@xanadu.com> <1990Nov7.193636.6354@swbatl.sbc.com>
<58009@unix.cis.pitt.edu>
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 12
Posted: Mon Nov 12 18:53:40 1990

In article <58009@unix.cis.pitt.edu> hpb@unix.cis.pitt.edu (Harry P Bloomberg)
writes:
]In article <1990Nov7.193636.6354@swbatl.sbc.com> ken@swbatl.sbc.com (Ken Gianino
5-9081) writes:
]>
]> This is a test. I have figured out how to use the global KILL file.
]> I will never read another "code" or "cw" posting again.
]
]   Great! Could you please post it to the net? I'm sure that there's many
]others who are not unix wizards who would also like to know how to do this.
]Let the muttonheads argue among themselves and leave the rest of us alone!
]
It's easy: just scan for uicu.edu in the sender's address and you'll get rid
of 99% of the mindless drivel.

From 641620117894912841
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31b600885a922323
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 09:54:24 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!
es.UUCP!Warren_Tuiskula
From: Warren_Tuiskula@es.UUCP
Newsgroups: rec.ham-radio
Subject: Re: Phone bashing
Message-ID: <9011121254.3BD00D01F145@es.office>
Date: 12 Nov 90 17:54:24 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 40
Posted: Mon Nov 12 18:54:24 1990

Response to: Phone bashing (Derek Wills)

> What's my point?   Just that the dislike of cw among some of the people on
> this net is probably conditioned by the fact that speaking English is not a
> problem for them. If international communications were all either in CW or
> in Japanese, you would be facing the same sort of choice that many Japanese
> face in getting on the air.   It also means that if you want to work lots of
> JAs and UAs it is a good idea to stay fluent in cw.

If you stick to Q-codes and RST reports, CW is a universal language. CW does not, however, magically translate Japanese into English (a popular misconception).

> I don't see a lot of difference between the attitudes "they should all learn
> my language" and "I shouldn't have to learn cw", or, for that matter, "why
> can't you get a decent hamburger and fries in Burkina Faso?" (sadly, you
> probably can).

So why NOT learn their language?

I started to work towards 20 WPM after passing the Extra written test 2 years ago. A year later, I could copy around 10 WPM, and credit for the written portion expired. I don't work CW by choice, and I find tapes, computer generated code, W1AW too boring to stick with.

Instead of code, my current project is to try to recover some of the foreign language knowledge I had in high school and college. I've ordered the Amateur radio phrase book form the Finnish Amateur Radio League, and I'm listening to QSOs in other languages while I'm waiting. Why bring this up? I think that it would do wonders for "International Goodwill" if English-speaking hams could say even a sentence or two in the language of their contacts.

> Meanwhile, a good fraction of all the "foreign" stations will still be using
> cw because it is easier than learning English for many of them.

If all they want to do is exchange callsigns and signal reports.

Warren KA1JL
warren_tuiskula@stratus.com

```
From 1538433669813031784
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61604f6adf6c8469,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 09:57:29 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!att!linac!pacific.mps.ohio-state.edu!
zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Derek Wills)
Newsgroups: rec.ham-radio
Subject: female hams
```

Message-ID: <39578@ut-emx.uucp>
Date: 12 Nov 90 17:57:29 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 35
Posted: Mon Nov 12 18:57:29 1990

rtodd@thoreau.nsc.com (=Ron Todd) says:

Summary: Genderless Language

.... Is it not intriguing that this thread of discussion began as a posting of non-ham activities at a convention? I will let you draw your line from that.

Ron, K3FR

Actually, that's not true. The only link is that I initiated both subjects. I posted something about non-ham activities at a hamfest being entirely for women, and I later posted something about DXing certificates referring to "his station" etc. There are not many women in ham radio, and I think both of these situations perpetuate the idea that hamming is an all-male hobby. It's not only in this country, either - all I have to do is to send my call at someone in response to a CQ, to get "GE OM, tnx fer call" - and you can't tell me that women and men sound different on cw. People even have QSL cards printed with "tnx for QSO OM". Not all hams are middle-aged white males with beer bellies and baseball caps. Changing the wording on certificates seems a minor thing to do, yet I've seen many postings from people who tell us that "his" means "his or her" and it's perfectly OK to refer to "his station" on a certificate awarded to a female ham. Am I just unusually enlightened or something? ...

BTW, the above is not meant as an attack on the poster - I read his posting a few times and still don't understand what he was saying :-)

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From -5403785997365470123
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 10:14:20 PST
Path: gmdzi!unido!mcsun!uunet!ncrlnk!ncrstp!npdiss1!chuck
From: chuck@npdiss1.StPaul.NCR.COM
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <703@npdiss1.StPaul.NCR.COM>

Date: 12 Nov 90 18:14:20 GMT
Reply-To: chuck@npdiss1.StPaul.NCR.COM (Charles Rissmeyer)
Organization: StPaul
Lines: 25
Posted: Mon Nov 12 19:14:20 1990

Argue all you want about the merits of testing for CW as a prerequisite for getting a HAM license, but there's something missing if you don't know and use it.

I passed my General CW portion on a wing and prayer, and I never intended upon using CW since I love computers and digital modes. But, have you ever noticed how educated and truly noble many of the CW operators are? They are very courteous and most love to help Hams develop their CW skills. CW operators are getting statistically older as younger Hams opt for the easier modes. I love talking to these older guys. They have such a wealth of knowledge and experience that is unique to CW. Many of them only use CW. I could listen to their old stories for hours.

I want to meet more of these Hams before they leave the hobby, for whatever reasons. So, if I have to learn CW (25 wpm) do it, I'm gonna. And I know I'll be glad I did. Extra class, look out!

I hope CW never dies and that CW operators continue to epitomize what's good and fascinating about Amateur Radio.

```
--
Chuck Rissmeyer  - c.rissmeyer@StPaul.NCR.COM
KE0VG            - KE0VG @ WB0GDB.mn.usa.na.earth
MENSA            - Minnesota (1129142)
```

From -2521127839011366839
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,559663748d116940,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 10:27:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!caen!hellgate.utah.edu!fcom.cc.utah.edu!cc.utah.edu!cc.usu.edu!slp9m
From: slp9m@cc.usu.edu
Newsgroups: rec.ham-radio
Subject: Name that tune.
Message-ID: <1990Nov12.122754.42251@cc.usu.edu>
Date: 12 Nov 90 18:27:54 GMT
Organization: Utah State University
Lines: 40
Posted: Mon Nov 12 19:27:54 1990

Several years ago I heard an unidentified piece of music which piqued my curiosity and I since then I have wondered about just who it can be attributed to as well as any background on it. Let's see what those of you who provided so much information on YYZ last summer (as well as any others) can come up with on this one.

The recording starts up with the sound of atmospherics and several hissing (no BFO) CW signals. It sounds like a receiver with a wide IF and an AM detector parked in the CW portion of one of the HF marine bands (8 MHz for example). Then a female voice comes in reading what sounds like a marine weather report only to drowned out by the band.

Throughout the whole song the lead guitar cranks out SOS in Morse.

My memory of the lyrics is sketchy, but I do remember that the word "stranded" is used heavily, probably more frequently than any other. Another line I recall is "better get the breakdown squad out, to get me rollin' on", or something like that.

The piece ends much like it began, except in reverse order. The weather report fades into the CW through an AM detector and noise and this then fades into silence.

I heard this music on a cassette which belonged to a young man who was several thousand miles from home at the time. He said that he had recorded the tape from an album belonging to his brother and that he had no idea what who the artist was or what the name of the slelection was.

Does anyone on the net recognize this piece, know its name or who the artist is? If so, can anyone offer any further background. Its been nearly eight years now and I still don't have a clue.

73, Scott

```
############################################################################
#        Scott E. Parker   WA7VYJ         # INTERNET: SLP9M@cc.usu.edu     #
# Center for Atmospheric & Space Sciences # Twisted pair: (801) 750-2975   #
#          Utah State University          #         Home: (801) 753-3924   #
#         Logan, UT    84322-4405         #                                #
############################################################################
```

From -4554069916874284301
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31b600885a922323
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 10:58:40 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!sdd.hp.com!ucsd!network.ucsd.edu!brent
From: brent@network.ucsd.edu (Brent Jones)
Newsgroups: rec.ham-radio
Subject: Re: Phone bashing
Message-ID: <4014@network.ucsd.edu>
Date: 12 Nov 90 18:58:40 GMT
References: <9011121254.3BD00D01F145@es.office>
Organization: Ich geh' kaput. Gehst du mit?
Lines: 5

Posted: Mon Nov 12 19:58:40 1990

```
CW is :  a) a language
      b) a representation of an alphabet
      c) a source of ineffectual trivial debates
```

Choose most correct answer.

From 8674083684801395892
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,41537301ed378939
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 12:05:11 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!usc!
elroy.jpl.nasa.gov!turnkey!orchard.la.locus.com!prodnet.la.locus.com!
lando.la.locus.com!dana
From: dana@lando.la.locus.com (Dana H. Myers)
Newsgroups: rec.ham-radio
Subject: Re: 15 meter monobanders
Message-ID: <19405@oolong.la.locus.com>
Date: 12 Nov 90 20:05:11 GMT
References: <42094@cci632.UUCP>
Sender: news@locus.com
Organization: Locus Computing Corporation, Inglewood, CA
Lines: 21
Posted: Mon Nov 12 21:05:11 1990

In article <42094@cci632.UUCP> cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
writes:

```
>Why isn't there the equivilent of a 2510 for 15 meters?  Or, is there
>one that I don't know about?  Seems to me it wouldn't be that much
>harder to build than the 10m one, and you could leave off the FM
>portion and just leave CW, USE, and LSB (packet)
                        ^^^^^^^^^^^^
```

Does it really matter which mode (USB vs LSB) one uses for packet? Using LSB vs USB could invert the tones (mark vs. space), but that shouldn't matter given the NRZI encoding of packet data (NRZI encodes data in transitions, not absolute mark vs. space). On 2m, I've seen stations which have the tones flipped with respect to each other; it doesn't make a difference there (as one would expect).

Then again, I've never used HF packet :-)

```
/*
 * Dana H. Myers KK6JQ      | Views expressed here are  *
 * (213) 337-5136      | mine and do not necessarily   *
 * dana@locus.com      | reflect those of my employer   *
 */
```

From 8537122363584267705

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d5f33337cabdcfad,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 12:17:10 PST
Path: gmdzi!unido!mcsun!uunet!know!sdd.hp.com!decwrl!bacchus.pa.dec.com!
news.crl.dec.com!shlump.nac.dec.com!esis.enet.dec.com!magid
From: magid@esis.enet.dec.com (Joel Magid...)
Newsgroups: rec.ham-radio
Subject: Extra Class ?
Message-ID: <17190@shlump.nac.dec.com>
Date: 12 Nov 90 20:17:10 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 10
Posted: Mon Nov 12 21:17:10 1990

Should we continue to issue Extra Class licenses in the current
manner ?

Should we not reserve this class for those who can really
demonstrate the capabilities beyond the norm that we see
today and have done so maybe for the last 10 or 20 years.

N1HZH

From 8605052253930638971
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,351ee88f6930248d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 12:33:50 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!
hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Old Radios
Message-ID: <1250269@hpnmdla.HP.COM>
Date: 12 Nov 90 20:33:50 GMT
References: <35785@cup.portal.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 16
Posted: Mon Nov 12 21:33:50 1990

In rec.ham-radio, schuster@cup.portal.com (Michael Alan Schuster) writes:

>Anyone know of places that restore old radios, or sell parts/chassis
>for them. A friend is restoring an old house, and he found the case of
>what he described as a "1926 DeWald" radio in the attic. It has no
>chassis; he'd like to add the original electronics, or perhaps a modern
>chassis that would fit inside (as a last resort). Any clues?

Antique Electronic Supply has an excellent catalog full of parts, manuals, and books for restoring antique radios:

Antique Electronic Supply
6221 S. Maple Ave.
Tempe, AZ 85283

AL N1AL

From -6794061063782600786
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a5e93602fd29f980
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 13:58:58 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!trub!perley
From: perley@trub.crd.ge.com (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: *sigh* another urbane legend
Message-ID: <13685@crdgw1.crd.ge.com>
Date: 12 Nov 90 21:58:58 GMT
References: <9011121455.AA06709@lg.Wellfleet.Com>
<9011121738.AA18033@june.cs.washington.edu>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@trub.crd.ge.com (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 14
Posted: Mon Nov 12 22:58:58 1990

In article <9011121738.AA18033@june.cs.washington.edu> pardo@CS.WASHINGTON.EDU (pardo@cs.washington.edu) writes:
> He has not been given a very long time to
>   live and it is Craig's ambition to enter the Guiness Book of
>   World Records for the largest number of get well cards ever
>   received by an individual.
 >

Bunk or not, I don't see the ham radio connection, unless he wants to set the record for received radio-grams. We could merge 2 legends by sending a batch of cookies made from Mrs. Field's secret recipe.

-don perley - ke2tp
--
perley@trub.crd.ge.com

From -3883762373053268620
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10e910c7f3eaf0aa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 14:25:45 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)

```
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1901@n8emr.UUCP>
Date: 12 Nov 90 22:25:45 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 40
Posted: Mon Nov 12 23:25:45 1990

From n8emr!W8PH Mon Nov 12 15:34:42 1990
Return-Path: <n8emr!W8PH>
Message-Id: <m0iYjpZ-0000cjC@n8emr.uucp>
[Date: Mon, 12 Nov 90 14:33 EST
[To: <ALL@ARRL>
R:901112/1846z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:12434 Z:43232
R:901112/1800z @:W8CQK Columbus, OH #:5490 Z:43229
R:901112/1712 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:50059 Z:43103
R:901112/1632 @:WB8ICL.OH.USA.NA Yellow Springs #:60734 Z:45387
```

PROPAGATION FORECAST BULLETIN 46 ARLP046
FROM ED TILTON, W1HDQ
SPRING HILL FL NOVEMBER 12, 1990
TO ALL RADIO AMATEURS

DURING THE FIRST WEEK OF NOVEMBER THE SOLAR FLUX ROSE FROM A LOW OF 140 TO A HIGH OF 215. IT THEN DROPPED BACK TO 193 ON THE 10TH BUT RECOVERED TO 197 THE NEXT DAY. SO FAR THIS MONTH CONDITIONS HAVE BEEN GENERALLY GOOD, EVEN UP THROUGH 50 MHZ, WHICH WAS QUITE BUSY THIS PAST WEEKEND.

FOR THE PERIOD BEGINNING NOVEMBER 6, THE FLUX HAD REACHED 190 OR HIGHER WITH A PEAK OF 215 ON THE 7TH. IN NOVEMBER THIS IS HIGH ENOUGH FOR 50 MHZ DX AND FINE FOR WORLDWIDE WORK ON 28 MHZ. IT IS NOT TOO HIGH FOR MOST OTHER DX ACTIVITY. THE MUF MIGHT FALL BACK SOME DURING DECEMBER, BUT THE DX PICTURE SHOULD REMAIN GENERALLY GOOD THROUGH EARLY SPRING.

FOR MORE ON THE DX PICTURE WE RECOMMEND USE OF THE CHARTS THAT APPEAR IN EVERY ISSUE OF QST, USUALLY NEAR THE DX COLUMN. THE SIZE OF THIS FEATURE HAS BEEN REDUCED BECAUSE SURVEYS HAVE SHOWN THAT FEW AMATEURS MAKE GOOD USE OF IT. THIS MAY COME TO A, "USE IT OR LOSE IT," SITUATION IF EVIDENCE SHOWS THAT MANY READERS CONTINUE TO PASS IT BY.

AMERICAN SUNSPOT NUMBERS FOR NOVEMBER 1 THROUGH 7 WERE 71, 96, 113, 136, 158, 161 AND 198 RESPECTIVELY, WITH A MEAN FIGURE OF 133.3. SOLAR FLUX NUMBERS AS REPORTED BY WWV FOR THE SAME TIME PERIOD WERE 145, 140, 151, 156, 170, 198 AND 215, WITH A MEAN FIGURE OF 167.9.

```
From -6932436684260722555
X-Google-Language: ENGLISH,ASCII-7-bit
```

```
X-Google-Thread: 10c9e3,8545d3eff0750a1a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 14:36:53 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!cpdvax.csc.ti.com!
dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9011122236.AA18329@tilde>
Date: 12 Nov 90 22:36:53 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 32
Posted: Mon Nov 12 23:36:53 1990

Re: Re: need two....

In <ajs@hpfcdc.HP.COM (Alan Silverstein)> Alan sez:

>> ...is there anyone on the net located in Vermont, Wyoming, or Nevada?
>
>For the right price I can be located in Wyoming.  :-)
>
>Seriously...  Fort Collins, Colorado is just a 1/2 hour drive south of
>the border.  Someday if'n I'm bored enough when the band is open, I'll
>drive up there with my 25W HR2510, mobile, and a stack of postcards.
>Ought to be fun for a change on the receiving end of the pileups.
>
>Nobody actually LIVES in Wyoming, you understand.  It's all barren
>wilderness.

I know a guy from Wyoming, and he doesn't know what amateur radio is.

I've been trying for months to QSO the state for WAS CW.  Could I get
a waiver due to inactivity on the bands up there?  How about a
DXpedition to Cheyenne?
>
>(Now if someone from Wyoming wasn't going to respond before, I think I
>probably just got their attention.  :-)

Ditto.......

>Good luck --
>Alan, N0MFW

73,
Dube    N5PDK


From -3245904623342067591
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fbfb2f94b1bce2b,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1990-11-12 14:51:49 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: KILL files
Message-ID: <22842@ucsd.Edu>
Date: 12 Nov 90 22:51:49 GMT
Organization: The Avant-Garde of the Now, Ltd.
Lines: 19
Posted: Mon Nov 12 23:51:49 1990

Per requests, my 'rn' KILL file for rec.ham-radio:

```
     /: .*CW/:j
     /: *tad@ssc/h:j
     /: *david.stark@/h:j
     /: *dave.stark@/h:j
     /: *jim.grubs@/h:j
     /: *phil@ux1/h:j
     /: *brian@uscd/h:j
```

The first entry kills (i.e., does not display to you) any posting with 'CW' anywhere in the subject line.

All the rest suppress display of articles written by the referenced authors.

'rn' users can edit their kill files by simply entering control-K whilst reading any article in the appropriate newsgroup.
              - Brian

From -5251436241441303323
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3df1557ce60cea1b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 15:09:03 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Derek Wills)
Newsgroups: rec.ham-radio
Subject: QSO content
Message-ID: <39603@ut-emx.uucp>
Date: 12 Nov 90 23:09:03 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 56
Posted: Tue Nov 13 00:09:03 1990

gary@ke4zv.UUCP Mon Nov 12 09:38:39 1990 says:

>>Derek, if the sum of your HF ham radio experience is limited to DX
>>exchanges, you're missing out on a grand opportunity to learn what
>>the rest of the world thinks and feels. It's worth your time to
>>learn a little conversational Russian, or maybe your college German or

>>high school French will come back to you with a little practice. You
>>know, some parts of the world even speak English, like Australia, New
>>Zealand, the subcontinent of India, South Africa, even England. It's
>>estimated that nearly 80% of the world's population knows at least a
>>little English. Try actually talking with some of them, you might
>>enjoy it.

>>Gary KE4ZV

Hey, I didn't say that I was guilty of this attitude, did I? I've used French over the air in working some African and European countries - the most recent occasion was with a Belgian, who pretended not to understand because he was from the "wrong" part of the country (bit of a faux pas there, I suppose). I have ragchewed (by which I mean spent more than 5 mins on a QSO :-)) with stations in all continents. I was the only participant to make an admittedly short speech in Chinese at a conference in Beijing (nobody really understood it, including the BYs, but I tried). I use the Chinese words for 'hello' and 'thank you' when working BYs on phone or cw. I've sent foot in all the countries you mention above (except for South Africa) and conversed with the natives. So I'm not as parochial as you might be implying. I'm even married to a foreigner (well, a VK3). Heck, I've even corresponded in French over e-mail (right, Patrice N6BIS?).

However, my point in the original posting was that having to learn a small amount of a foreign language is at least as difficult as having to copy cw at a measly 5 words per minute. All the postings I've seen in response have agreed that learning said smattering is easy and rewarding and helps one make contacts with 'foreigners'. I agree completely and think the same can be said for learning cw, except that 5 wpm doesn't get you very far in any language, including cw (as Julian N6ARE said in a posting, or perhaps it was in e-mail, it's like trying to hold a conversation by looking up one word at a time in a dictionary).

I guess I'm saying that "I don't have time to learn 5 wpm cw" is just like "I don't have time to learn the French for 'please', 'thankyou' or '73' ", whereas in both cases a little effort can repay enormous rewards in what you can achieve in international communications.

Now I suppose we'll get flames from those who can speak fluent Serbo-Croatian and Mongolian, but just can't handle dots and dashes :-) [and to forestall the expected, yes, I know that learning the basics of a foreign language is not required for a ham license while 5 wpm cw is...].

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From 3961332855224843461

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8545d3eff0750a1a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 15:37:54 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9011122337.AA20923@tilde>
Date: 12 Nov 90 23:37:54 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 59
Posted: Tue Nov 13 00:37:54 1990

In <phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)> Phile opines:

(lotsa stuff ref <rec@chiton.ucsd.edu (Richard Currier)> deleted)

>Now here's something you can flame me for...

I wasn't going to get into this again, but I couldn't turn down the invite.

>(pro-coders are) selfish and arrogant.

No-coders are selfish and arrogant.

>You want to keep ham radio stuck in the way of the past that will doom it.

Did this come to you in a divine revelation, or isn't it just your opinion?

>You may have the best of intentions, but I don't think you
>know and understand what the future of the hobby has going for it in the next
>fifty years.

I don't think you do, either.

>The loss of valuable spectrum we can see each time the FCC says
>something is a direct result of the lack of growth because of efforts to keep
>out anyone not willing to become like you.

"Lack of growth" is due to a large variety of things, chief of which is the
TV, "Nintendo" games, and computers. I don't buy your argument that the
need to copy Morse at 5 WPM is the direct cause.

>So what conclusions can I draw?

The wrong ones, IMHO.

>I work VHF, UHF, and planning to go digital, and am also interested in VHF
>thru SHF SSB and CW and I am appalled by what I hear. How can I not associate
>a "stick to traditions only" thrust with a knife in the heart of the Amateur
>Radio Service.

If a "stick to tradition" attitude is a knife in the heart of amateur radio now, why was it not so in earlier years? Why, oh why, must we be constantly be propagandized with the idea that tradition is bad? Progress has been, and will continue to be, made while holding to traditions.

>I hope I'm wrong. I hope I'm just paranoide. But why do I
>keep spinning the dial down to the HF bands and hear people who make me feel
>bad instead of feeling profoundly proud?

Why do I keep spinning the dials up to the VHF and UHF bands and hear people who make me feel bad instead of feeling profoundly proud? There are bad attitudes and rotten apples all over, that's why; and I certainly can't see a no-code license improving THAT.

The point is, that none of the foregoing hyperbole is selling no-code, (or, for that matter, pro-code) and few people seriously believe that no-code is the panacea that will rescue amateur radio from (moot) death.

73,
Dube   N5PDK

```
From 2958218188290882160
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,bab6645ffce651b2,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,bab6645ffce651b2,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,bab6645ffce651b2,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-11-12 15:53:51 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!emory!att!news.cs.indiana.edu!
news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.uucp (Jim Grubs)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-
radio
Subject: Re: No code license & CW Bashing
Message-ID: <407.273EF137@w8grt.uucp>
Date: 12 Nov 90 23:53:51 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 43
Xref: gmdzi rec.radio.shortwave:2688 rec.ham-radio.swap:779 rec.ham-
radio.packet:3036 rec.ham-radio:16814
Posted: Tue Nov 13 00:53:51 1990
```

 > From: bill@platypus.uofs.edu (Bill Gunshannon)
 > Date: 12 Nov 90 14:19:56 GMT
 > Organization: University of Scranton, Scranton, PA
 > Message-ID: <151@platypus.uofs.edu>

```
 > Newsgroups: rec.ham-radio
 >
 >
 > I realize that there is no likely hood of this ever getting as far as
 > the FCC for consideration, but what is wrong with a KISS license plan??
 >
 > Example:
 >
 > CLASS  (Old Class)     Priveledges                      Requirements
 >   C   (Technician)  All modes full power            No CW --
 > Comprehensive
 >                       above 30 Mhz.                     technical exam.
 >
 >   B    (General)    All modes - all bands           5 WPM CW --
 > Comprehensive
 >                       Power restricted to               technical exam.
 >                          250 watts.
 >
 >   A   (Advanced)    All modes - all bands           Hold a Class B
 > license
 >                         Full power.                        for 2 years.
```

How comprehensive is "comprehensive"? I would hate to see Novice level entry eliminated altogether. On the surface, it looks like your plan would do just that.

Also, I would reduce maximum power to 200 watts for everyone. There's no earthly need for more than that and hasn't been since hams quit operating on 600 or 700 meters with rotary spark gap transmitters.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _)             THIS SPACE FOR RENT
  | ,___|  ______________Request rate list.____________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From 2644896960599289932
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb64b9e9d73b9d11,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 15:57:05 PST
Path: gmdzi!unido!mcsun!uunet!mjbtn!raider!root
From: root@raider.raidernet.com (Bob Reineri)
Newsgroups: rec.ham-radio
Subject: Realistic PRO-2006
Summary: How to Interface to Computer ?
Keywords: Scanner/Computer Interface
Message-ID: <19@raider.raidernet.com>
Date: 12 Nov 90 23:57:05 GMT

Distribution: rec
Organization: RaiderNet Public Access Unix, Murfreesboro, TN
Lines: 22
Posted: Tue Nov 13 00:57:05 1990

I recently purchased a Realistic Pro-2006 scanner and am very pleased with it. Now I want to combine it with my other hobby - computing. Is there any way this unit could be interfaced to a computer ? Does anyone make a kit, or has someone out there done it before ?

In particular, it would be nice to let the radio scan and have the computer log active frequencies for later research. Scanning is great fun, but it seems to be a perfect place for automation !

On another note, anyone have a list of mods for this radio they could mail to me - I've heard of a few possibilities that are supposed to exist, but have no particulars.

Thanks for any help !

Bob
AB4SU
--
* RaiderNet Public Access   *Middle Tenn's Unix Gateway*   Murfreesboro, TN *
* Data:(615)896-8716 896-7905 Voice:(615)849-4390 Mail:PO Box 2371 Zip 37133 *
* Domain: root@raider.RAIDERNET.COM UUCP: uunet!mjbtn!raider!root HAM: AB4SU *
* Shell Accounts, Mail/USENET UUCP Links Available -- Send Mail for Details *

From 5603390438580907661
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 16:11:28 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker.mit.edu!usc!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <7880364@hpfcdc.HP.COM>
Date: 13 Nov 90 00:11:28 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
Organization: HP Fort Collins, Co.
Lines: 30
Posted: Tue Nov 13 01:11:28 1990

>I think I have the perfect solution.
>
>Access to the CW part of the spectrum should be permitted only to
>those who know the Morse code.

The CW part of the spectrum is also commonly used for other modes, such as RTTY, HF packet, FAX,... Fragmenting the spectrum for a CW-only band (where no other modes are allowed) would be a waste of a shared resource.

>Access to other parts of the spectrum should be permitted only to those
>who have the appropriate skills. E.g., only people who can speak
>should be allowed to use phone, only people with functioning EME
>equipment should be allowed to bounce off the moon, etc,

Is this a variation of "if you can buy the equipment, you can use the resource" ? That idea sounds like elitism, although it does somewhat reflect the current reality.

"Appropriate skills" sounds like a variation for multiple operating test elements to replace the code element. That would drive the VECs buggy, and/or make it difficult for a prospective ham to find a VEC that could test him on his favorite mode.

>It's silly to require people to learn the Morse code in order to just
>be allowed to talk.

Tell it to the WARC - they're the ones that require Morse of HF users.

Perry / KF0CA

From 8687968614196540367
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62cf76082d3e814c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 16:22:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: HR2510 Mods
Message-ID: <7880365@hpfcdc.HP.COM>
Date: 13 Nov 90 00:22:18 GMT
References: <2994@canisius.UUCP>
Organization: HP Fort Collins, Co.
Lines: 21
Posted: Tue Nov 13 01:22:18 1990

Re: Is he licensed ?

Good question ! What is your call sign, Karl ? If you don't have a license, come clean. A little study will yield a Novice or Tech ticket, and then you can do this legally on less-crowded frequencies. It's really worth it. Just some friendly advice from an ex-freebander.

Re: Will 40 watts really allow you to "talk some skip" better than 25 watts?

Karl, save yourself some $$$, and forget about the extra 15 watts. It will raise your transmitted signal less than one S unit. 10*log10(40/25) ain't much.

I've used 400 watts (vs 100) on 10 meters. Presumably, it should account for 6 dB more signal, but it's a waste on 10 meters. 10 meter propogation is a binary affair - either you do or don't, and no (reasonable) amount of extra power will help if you don't.

Perry / KF0CA

From -7069622328327343290
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9df0470804c0dbf8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 17:06:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!oswego!ub!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Phone patch by automatic repeater NOT LEGAL
Message-ID: <1990Nov13.010608.8311@ux1.cso.uiuc.edu>
Date: 13 Nov 90 01:06:08 GMT
Organization: University of Illinois at Urbana
Lines: 116
Posted: Tue Nov 13 02:06:08 1990

97.205(e) Ancillary functions of a repeater that are available to users on the input channel are not considered remotely controlled functions of the station. Limiting the use of a repeater to only certain user stations is permissible.

Now the question is how to interpret the first part of this rule. One important question is what this rule means with regard to the autopatch functions of a 2 meter repeater. What is not clear is whether or not SOME control is still required, and if so, what kind of control that must be. We need to look elsewhere to resolve this.

97.201(d) An auxiliary station may be automatically controlled only when it is part of a system that includes a repeater station also being automatically controlled.

While this should easily allow for auxiliary links to other repeaters and to access a phone line remote from the repeater itself, it might not apply well to a case of the phone line attached to the repeater.

97.115(b) The third party may participate in state the message where:

97.115(b)(1) The control operator is present at the control point and is continously monitoring and supervising the third party's participation; and

97.115(b)(2) [restrictions on who may be third party]

This rule effectively requires a live, breathing, and licensed, human being to monitor the third party traffic. A phone line could be used as a control link to the transmitter, but only if the person at the other end of it is being the control operator. This is usually not the case and would fall under third party traffic.

So we can operate a repeater (and its associated auxiliary links) under automatic control, but we still need a real control operator if the repeater station is originating third party traffic. Even though 97.205(e) does not require the user be operating an auxiliary station just to use features of the repeater, 97.115(b)(1) still requires that a control operator be present somewhere.

97.109(e)   No station may be automatically controlled while transmitting third-party communications, except a station retransmitting digital packet radio communications on the 6 m and shorter wavelength bands. Such stations must be using the American Radio Relay League, Inc. AX.25 Amateur Packet-Radio Link-Layer Protocol, Version 2.0, October 1984 (or compatible). The retransmitted messages must originate at a station that is being locally or remotely controlled.

Well, that seems to completely exclude the possibility of an autopatch on an automatic repeater being legal. The automatic control aspect a repeater is usually operating under cannot be used to pass third party traffic. There must be a station who is the control operator (can shut down the station) who is monitoring the third party traffic. It is not control of the repeater that is at issue, but control of the third party traffic. The last part of 97.109(e) also indicates that even for packet, a real live control operator needs to be monitoring the introduction of messages into the packet network; a philosophy indicated in the rules that is consistent with the repeater situation.

The ARRL License Manual (which every ham who does not have any other copy of the current FCC rules owns, right? :-) talks about phone patches on pages 13-16 and 13-17 (8th edition). In the entirety of that discussion no mention is made of a phone patch being done via an automatic repeater. However on page 10-3 they do refer to control of a repeater, quoting:

> Only a digipeater operating at 50 MHz or higher can be automatically controlled when it is passing third-party traffic. A third party participates in amateur communications when you make a phone call with a repeater autopatch. This means that a voice repeater must be locally or remotely controlled and a control operator must be present at the local or remote site when the repeater autopatch is active.

So, I am not the first person to come to this conclusion. I'd have expected the ARRL to figure this out well before me since they have the "inside track" and a lawyer or two to go over it all.

Now of course the user of the "repeater" can become the control operator and take on the duties specified in 97.115(b)(1) but to be the control operator, a wireline (hard to do portable) or a radio remote control is needed. 97.205(e) simply means you don't have to be remotely controlling the actual functions of a repeater to use them. You can turn ON the phone patch and say something INTO it, and that much would be OK. But as soon as someone on the phone end says something, it becomes third party traffic. You have to become the control operator of the repeater, not just merely be the user of it, to allow third party traffic. Alternatively someone else can be the control operator. If the control operator is using a radio link to effect the control, that radio link must be an auxiliary station. If the user is doubling as a control operator, his control must be by means of an auxiliary station operating under the rules of an auxiliary station including the limitation of being on the following frequencies:

220.5-225 MHz, 420-431 MHz, 433-435 MHz, 438-above MHz

If the repeater input is on one of the above frequencies, I see no reason it cannot double as being the control link. Provision would have to be made to make sure the user of such an input can hear the third party traffic at all times that it is being passed. That might mean that the phone connection is cut off during the time the user/control-op is sending. That would be a convenience in the repeater that makes it easier for the control operator to meet his legal obligations without full duplex capability.

Sorry folks, but thems the rules. Interpret them as you see fit, since in the end, that's your responsibility, and it is your license. The above is just how I interpret them for my own purposes. My autopatch control link will be on an auxiliary frequency only.

If you think the rules need to be changed, you can petition the FCC to change them. I personally feel they should be changed, but am not sure just yet exactly how. I welcome contact about this matter.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -124695880134446147
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 17:22:21 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov13.012221.10819@ux1.cso.uiuc.edu>
Date: 13 Nov 90 01:22:21 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>

```
<1990Nov12.010849.26585@ux1.cso.uiuc.edu> <151@platypus.uofs.edu>
Organization: University of Illinois at Urbana
Lines: 38
Posted: Tue Nov 13 02:22:21 1990

bill@platypus.uofs.edu (Bill Gunshannon) writes:
>I realize that there is no likely hood of this ever getting as far as
>the FCC for consideration, but what is wrong with a KISS license plan??
>
>Example:
>
>CLASS  (Old Class)     Priveledges                      Requirements
>  C   (Technician)  All modes full power            No CW -- Comprehensive
>                     above 30 Mhz.                     technical exam.
>
>  B    (General)    All modes - all bands           5 WPM CW -- Comprehensive
>                     Power restricted to               technical exam.
>                        250 watts.
>
>  A   (Advanced)    All modes - all bands           Hold a Class B license
>                       Full power.                        for 2 years.

A couple of questions:

1.  Do you mean to restrict the power for ALL bands for class B or just
    for the HF bands?

2.  Why do you choose 250 watts instead of the 200 watts Novices and Techs
    now have as power limits (and everyone has on 30m)?

>Any comments??   Should I actually write this up and propose it to the FCC?
>Should I don my NOMEX underwear??

I'd have chosen 150 watts if a change was necessary.  That makes for a nice
round ratio of 1:10 for power between A and B.

The NOMEX might be a reasonable precaution.  There are a lot of people
out there that want to hold on to their (H)igh (A)am (M)ighty status.  :-)
                                        ---    ---   ---
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From 2123279079878523049
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 17:23:40 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
```

Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov13.012340.11199@ux1.cso.uiuc.edu>
Date: 13 Nov 90 01:23:40 GMT
References: <7880341@hpfcdc.HP.COM> <1990Nov6.172134.29539@midway.uchicago.edu>
<1990Nov7.174742.10452@xanadu.com> <1990Nov7.193636.6354@swbatl.sbc.com>
<58009@unix.cis.pitt.edu> <8266@gollum.twg.com>
Organization: University of Illinois at Urbana
Lines: 12
Posted: Tue Nov 13 02:23:40 1990

sawyer@twg.com (Bruce B. Sawyer) writes:

```
>It's easy:  just scan for uicu.edu in the sender's address and you'll get rid
                           ^^^^

>of 99% of the mindless drivel.
```

Gee, who is really without their mind here today?
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 2579119649162390908
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fbfb2f94b1bce2b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 17:30:30 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!sdd.hp.com!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!uxh.cso.uiuc.edu!phil
From: phil@uxh.cso.uiuc.edu (Phil Howard)
Newsgroups: rec.ham-radio
Subject: Re: KILL files
Message-ID: <1990Nov13.013030.12348@ux1.cso.uiuc.edu>
Date: 13 Nov 90 01:30:30 GMT
References: <22842@ucsd.Edu>
Sender: news@ux1.cso.uiuc.edu (News)
Organization: University of Illinois at Urbana
Lines: 19
Posted: Tue Nov 13 02:30:30 1990

brian@ucsd.Edu (Brian Kantor) writes:

```
>Per requests, my 'rn' KILL file for rec.ham-radio:

>    /: .*CW/:j
>    /: *tad@ssc/h:j
>    /: *david.stark@/h:j
>    /: *dave.stark@/h:j
>    /: *jim.grubs@/h:j
>    /: *phil@ux1/h:j
                 ^^^
```

-----------------^^^

>   /: *brian@uscd/h:j

Sorry, Brian, I could NOT resist the temptation. :-)
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -7476517340900557627
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,abb9c280b5e5868a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 17:31:38 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!
ux1.cso.uiuc.edu!news.cs.indiana.edu!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.uucp (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: CB to ???
Message-ID: <409.273F0FFE@w8grt.uucp>
Date: 13 Nov 90 01:31:38 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 22
Posted: Tue Nov 13 02:31:38 1990

 > From: rtaylor@ux1.cso.uiuc.edu (Roger Taylor)
 > Date: 12 Nov 90 15:46:08 GMT
 > Organization: University of Illinois at Urbana
 > Message-ID: <1990Nov12.154608.25717@ux1.cso.uiuc.edu>
 > Newsgroups: rec.ham-radio
 >
 >
 > Next question. Does anyone know of a mfg. or article that converts
 > (transverter preferably solid state) a CB output to LOWER freqencies,
 > particularly the MARS frequencies around 4.5 MHZ?

Ask AFF3M.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _)             THIS SPACE FOR RENT
  | ,___|  ______________Request rate list.____________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From -2540354099735883135
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,2b4387f31195990d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 17:36:22 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Code & Other requirements
Message-ID: <1990Nov13.013622.13494@ux1.cso.uiuc.edu>
Date: 13 Nov 90 01:36:22 GMT
References: <403.273E83A7@w8grt.uucp>
Organization: University of Illinois at Urbana
Lines: 13
Posted: Tue Nov 13 02:36:22 1990

jim.grubs@w8grt.uucp (Jim Grubs) writes:

> > From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
> > I learned just barely enough code to pass the Novice and didn't need any
> > more to pass the Tech. I presently have no interest in Morse Code.

>And you're not a CB/LID ruining the ham radio bands??? Hmm, must be a lesson
>there....

Yeah.... give everyone USENET access to vent their flames :-)
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -1756279363725097406
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28952e2d79be940c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 18:22:02 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes 11/9/90
Message-ID: <1902@n8emr.UUCP>
Date: 13 Nov 90 02:22:02 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 165
Posted: Tue Nov 13 03:22:02 1990

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==============================================================
|        Relayed from packet radio via                  |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ ALLBBS $RTDX1109

RTTY DX Notes 1of3 11/9/90

RTTY DX Notes for week ending 9th November 1990
BID: $RTDX1109
Part 1 of 3.

Last week I made mention about reading books to see what AMTOR was all about. There are several good books to read. There is one written by G3PLX, Peter Martinez, which explains the protocol between stations, and some of the commands. But for the actual working of the AMTOR system it is suggested that you read and study CCIR Recommendation 476-4. That tells you nothing about commands (each system has its own series of commands) but it will tell you how the AMTOR system works in detail. Its worth reading if you are not just a black box basher.

Our thanks this week go to DJ3IW, DL8AAM, I5FLN, JA1BLV, OD5NG, TG9VT, VK2EG, W2JGR, W2UP, and the Tristate DX Packet Cluster Network.
Thank you all for your assistance and news.

Bandpass:

Friday 2:

PJ2/OH2BGD	14086	at	0434Z	QSL
UC2OF	14085	at	0856Z	
UI9ABV	21092	at	1507Z	
ZB2IY	28085	at	1513Z	
YI1BGD	14075	at	1827Z	FEC
5N0ETP	21080	at	2105Z	
5Z4BI	21083	at	2127Z	

Saturday 3:

HK0TU	21085	at	0300Z	QSL
HC8VB	14087	at	0415Z	
UA3FZ	14087	at	0653Z	
UB4HQ	21091	at	1329Z	
UQ2HO	21085	at	1747Z	
ZD9BV	21085	at	1822Z	
9Q5UN	28087	at	2000Z	
EA8GS	28089	at	2005Z	
PJ2/OH2BGD	14089	at	2035Z	
V51P	21085	at	2055Z	

Continued in part 2.
/EX
SB RTTYDX @ ALLBBS $RTDX1109A
RTTY DX Notes 2of3 11/9/90

RTTY DX Notes for week ending 9th November 1990
BID: $RTDX1109A
Part 2 of 3.

```
Sunday 4:
J88BP       14086  at  0100Z
HK0TU        7085  at  0207Z
HC8VB       14082  at  0458Z
UI9WK       14090  at  0504Z
UC2OCJ      28098  at  0827Z  QSL
5N0ETP      21092  at  0841Z
UM8MFU      21092  at  0845Z
TU2BB       21076  at  0850Z
5B4XA       28086  at  1111Z
KP2BH       28091  at  1155Z
JX7DFA      14082  at  1325Z
V51P        21084  at  1423Z
3X1SG       21086  at  1915Z
TR8JH       21085  at  2011Z

Monday 5:
HI8EL       21086  at  0025Z
J73WA       21085  at  0045Z  QSL
VP8BFH      21086  at  0101Z
PJ2/OH2BGD  14087  at  0342Z
HK0TU       28085  at  0421Z
ZK1AP       14074  at  0716Z  ARQ
9J2BO       28090  at  1422Z

Tuesday 6:
PJ2/OH2BGD  14092  at  0207Z
TU2BB       14074  at  0225Z  ARQ
HC8VB       14081  at  0420Z
V73AS       14082  at  0421Z
ZS1PS       14082  at  0429Z
HK0TU       14084  at  0609Z
ZK1AP       14074  at  0722Z  ARQ
CN15AMV     28085  at  1130Z  QSL/Note
KP2BH       28095  at  1451Z
TA2CNB      14094  at  1824Z
5B4XA       14086  at  1837Z
5N0ETP      14085  at  1925Z
6Y5EW       21074  at  1941Z  ARQ
JX7FDA      14086  at  2303Z

Wednesday 5:
PJ2/OH2BGD  14087  at  0422Z
HC8VB       14082  at  0516Z
ZK1AP       14074  at  0613Z  ARQ
TY1PS       21074  at  2150Z  ARQ
ZD9CO       28090  at  1904Z

Continued in part 3.
/EX
SB RTTYDX @ ALLBBS $RTDX1109B
RTTY DX Notes 3of3  11/9/90
```

RTTY DX Notes for week ending 9th November 1990
BID: $RTDX1109B
Part 3 of 3.

Thursday 8:

UI9ABV	14083	at	0450Z	
P29BT	14084	at	1411Z	QSL

QSL Information:

PJ2/OH2BGD will QSL via his home call.

HK0TU says to QSL via HK3DDD.

UC2OCJ collects his cards from Box 68, Gomel, Byelorussia 246027 USSR.

J73WA is Wayne Abraham, 1430 Rodney St., Portsmouth, Commonwealth Of Dominica, West Indies.

CN15AMV will QSL via Box 299, Rabat, Morocco.

Notes of Interest:

Banaba T33 should be active now, but nothing heard so far.

Juan Fernandez. CE0ZZZ should be active this week. QSL via CE3BFZ.

You can stop holding your breath: cards for YV0AA have started to appear. One wonders how long before other cards for the April period of operation will take to appear?

Angola. There are some rumors around that there may be activity from this area in the near future. We hope for the best.

3W3RR states that he hopes to operate from Spratley in December for a ten day period. But, he needs donations, which may be sent to NT2X, Ed Kritsky, Box 300715, Brooklyn, NY 11230 USA. In case of cancellation all donations will be refunded.

CN15AMV was operating from the capital of Western Sahara. Does this count as Western Sahara (SO) or CN8? If it counts as CN Morocco then we have two countries with the same QTH? Or something.

GL DE DX1 (VK2SG).

Written by VK2SG. Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA.
Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.
/EX

From 8210414903163039812
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9312b5c5f1963f85,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 18:39:44 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL Letter - 02-Nov-90
Message-ID: <1904@n8emr.UUCP>
Date: 13 Nov 90 02:39:44 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 337
Posted: Tue Nov 13 03:39:44 1990

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==============================================================
|        Relayed from packet radio via                 |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
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The ARRL Letter Volume 9 Number 22 November 2, 1990 - Part 1 of 4

LEAGUE PROTESTS COMMENT DEADLINE TO FCC

The ARRL has filed a an "Application for Review" with the FCC, requesting the commissioners overrule a staff decision. The League seeks more time to respond to proposals for new Morse code testing procedures for disabled persons.

This is the latest episode in PR Docket 90-356, which began with a public announcement by the FCC in early August and culminated in the FCC's denial, on Sept. 28, of the League's request for more time--until Nov. 15--to comment.

The League has from the very beginning stressed that, since new procedures were implemented for disabled applicants immediately upon the August announcement--and some other accommodations have been in effect for years--there is no urgency in formalizing them through rule-making.

The League maintains that because of the unusually short time frame between public announcement and comment deadline, ARRL found it nearly impossible to study the proposal, seek comment from individual examiners to gain from their experience, and formulate comments on the proposal.

Because of "the significance of the proposal to the Amateur Radio Service," the Application said, the League felt additional comment time was a necessity, not a luxury.

The League pointed out that the main sources of information available to amateurs--the monthly magazines--simply were unable to publicize the matter in time for examiners and the disabled themselves to comment.

Furthermore, the Commission broke with tradition in this matter. In the past, proposals likely to have strong impact on the Amateur Service always have been afforded a reasonable comment period.

"This proceeding is not merely a simple matter of attempting to accommodate the needs of the handicapped by waiving an inconsequential examination element," The Application for Review said. "It is, rather, a reversal of stated policy, and an action which stands to jeopardize the integrity of the volunteer amateur radio examination program."

The Application went on to again point out that procedures already in place for accommodating disabilities are producing applications for waivers, some of them frivilous. The list of disabilities (from the Disabled Americans Act of 1990) is overly broad, many of the disabilities listed having no bearing on someone's ability to use Morse.

As a result of the August announcement, one waiver application--with a letter from an optometrist--sought relief from the Morse requirement for an applicant with a vision problem. A problem correctable with eyeglasses.

The League also noted again that the FCC, in 1982, held that "(s)electing a particular group of license applications for favorable treatment in terms of less stringent amateur operator requirements would not be sound licensing policy...if such a policy were instituted, the Commission ultimately could find itself in the untenable position of deciding which applicants actually qualified for telegraphy exemptions and which did not. Commission personnel clearly are not trained to make such judgments..."

And so it is that the FCC now proposes to turn what, in 1982, was "not sound licensing policy" into a rule eight years later.

The Application for Review asks for an additional 48 days for comments to be accepted by the FCC.

RINALDO IN EUROPE FOR WARC

The technical foundations for WARC-92 are being laid at a series of meetings under the auspices of the International Radio Consultative Committee (CCIR). The CCIR is the part of the ITU structure responsible for making recommendations on technical and operating matters relating to radio communication. The meetings ultimately will result in a concise reference document that will be used as a basis for decision making at WARC-92.

A CCIR Joint Interim Working Party meeting was held in Geneva Oct. 22-25 to draft the section of the report dealing with the compatibility of various high-frequency (below 30 MHz) radio services. This section of the report is important to amateurs because of the different regional allocations to the broadcasting and amateur services at 7 MHz, and because broadcasting expansion may result in increased sharing of HF spectrum between other services.

ARRL Technical Development Manager Paul Rinaldo, W4RI, attended the meeting as a member of the U.S. delegation. Participating as an observer for the International Amateur Radio Union was IARU Region 1 Vice Chairman Wojceich Nietyksza, SP5FM.

with the mobile and mobile-satellite services and their present and Another important CCIR Interim Working Party meeting, this one dealing potential sharing partners (including the amateur and amateur-satellite observers) will open in Helsinki Nov. 12. Rinaldo is on the U.S. delegation to this meeting; representing IARU will be Capt. Charles Dorian, W3JPT.

The outputs of these and other CCIR Interim Working Parties will be fed, for final review and approval, to a special "JIWP WARC-92," which is scheduled to meet in Geneva in March 1991. The objective of ARRL and IARU participation in the work of the CCIR is to ensure that the report adopted at that meeting adequately reflects the continuing spectrum needs of the amateur and amateur-satellite services.

OFFERS HOPE TO DISABLED

People with severe physical disabilities are now able to communicate using a Morse code-based system developed at the State University of New York at Buffalo (UB). People unable to speak or to move their limbs can communicate with an Apple computer by sending CW to the computer--by moving their heads from side to side, closing switches--according to UB Today, a publication of the university.

Develoed by S. David Farr, associate dean of the school's graduate school of education and director of its Learning Technologies Laboratories, the system's CW input to the computer replaces the computer mouse. Farr initiated the project, called Morse Writer, in 1985, for Matthew Stein, now 13, who has had cerebral palsy since birth and is a severely-involved paraplegic, according to UB Today.

Matthew uses the system in two ways. "Message mode" is a form of shorthand in which, for example, sending the letter "z" produces "thank you," and "o" means "hello." Used in free-typing mode the Apple on the computer screen, produce printouts, and speak via a voice synthesizer.

MacIntosh becomes a word processor. Matthew's system can display type Many people have seen the physicist Stephen Hawking, the author of "A Brief History of Time," use a similar device. Hawking, who suffers from Lou Gehrig's disease and is unable to speak, types commands into a computer, which activates a voice synthesizeb.

Closer to home was the late Cliff Corne, K9EAB, who for years was confined to an iron lung and sent CW using his mouth to operate a keyer paddle. This was in the 1960s, before the microcomputer.

Today, sophisticated hams using computers and digital voice keyers are able to operate on voice modes without ever speaking a word.

AMATEUR RANKS CONTINUE GROWTH

Both new Amateur Radio licensees and license upgrades showed a healthy increase in the past year. FCC statistics for the fiscal year ended Oct. 1 have been released (statistics actually were compiled through Sept. 25) and are shown below along with the five-year trend.

	1990	1989	1988	1987	1986	1985
New	26,134	23,065	21,080	24,338	20,979	17,373
Upgrades	29,699	26,789	26,342	23,814	22,228	16,184

The total number of amateur operator licensees grew 6.1 per cent, from 464,800 to 493,292. Here is the breakdown by license class:

Total	
Extra	52,847
Advanced	104,365
General	119,158
Technician	125,217
Novice	91,705
Total	493,292

PANELIST SCORES FCC METHODS

FCC Commissioner Ervin Duggan has called for sweeping reforms to disperse the "concentrated" power of the FCC chairman and restore "truly collegial decision making" at the agency.

The Commission has evolved into "a top-down, one-option process of deliberation, a frustrating and often stultifying parody of collegiality," Duggan told a meeting of the Federal Communications Bar Association.

Duggan's recommendations include:

[] Reform of the post-Watergate "Sunshine Act," which prohibits more than two commissioners from meeting in private.

[] Restore independence to bureau chiefs.

[] Require bureaus and offices to work with all commissioners, not just with the chairman.

[] And, encourage staff in other bureaus or offices to present "associate or companion" items in proceedings to develop alternative solutions.

The other three FCC commissioners, Sherrie Marshall, Andrew Barrett, and James Quello, who also attended the meeting, were generally supportive of Duggan's ideas. Quello, however, noted that "It's Congress, not the FCBA," that will have to make any changes in the way the FCC conducts its business.

HARVARD CLUB HOSTS SOVIETS

Last May nine members of the Harvard Wireless Club (W1AF) travelled 6,000 miles to Leningrad and operated for 10 days from club stations UZ1AWT and UZ1AWX. Working alongside Soviet operators under the call sign US1A, the group made some 21,000 contacts and many new Amateur Radio friends. The event was hosted by the Leningrad Institute of Aircraft Instrumentation.

Immediately upon his return W1AF trustee Mike Manafo, K3UOC, resumed planning for a reciprocal visit by the Soviet club members. "An event like this is not to be taken lightly," Manafo said. "It was six months of very hard work.

"This also was probably the most significant happening of my life," he added.

In mid-October seven Leningraders arrived in Boston for Part Two of this exchange. Although the long-awaited U.S.-USSR reciprocal operating agreement failed to materialize, the Soviets were able to participate in Amateur Radio at W1AF under third- party rules.

On Oct. 23 the Soviet club members visited ARRL Headquarters, with hosts K3UOC and NZ1W. Following a tour of the lab, the QSL Bureau ("Box 88, Newington"), and W1AW ("It's a pileup!" one of the Soviets exclaimed), the group exchanged mememtos with ARRL Executive Vice President Dave Sumner, K1ZZ, and W1AW manager Eddy Pollock, W6LC.

Back in Cambridge, five of the Soviet club members battled the language barrier to become U.S.-licensed hams. They were: Dmitry Samrin, UA1CFL (Novice); Vladimir Alexandrov, UA1AIU (Novice); Sergei Hrapenok, UA1ABR Ivliev, UA1ALZ (Advanced).

(Technician); Victor Stroganov, UV1AA (Technician); and Alexandr
The Leningraders' U.S. visit coincided with a rebuilding program at the HWC station--which now includes new HF gear and antennas donated by several Harvard alumni--and with the *CQ* Worldwide SSB DX Contest. The Soviets joined eight U.S. operators for a multi-single contest entry.

"The computerized operation, including both contest software and the PacketCluster spotting network, was pretty daunting for the Russians," Manafo said. (It's daunting for *anybody* using it for the first time--ed). "But they loved it," Manafo said. The W1AF operation netted three-and-a-half million points.

Following the contest, the group visited several expatriate Leningraders in the New York City area, and were scheduled to return to the Soviet Union Nov. 1.

OHIO AMATEUR BATTLES ORDINANCE

Another municipality has found federal law to be on the side of Amateur Radio operators. Rocky River, Ohio attempted to apply three separate ordinances to keep the 30-foot tower of James D. MacMillan, WA8ZHN, on the ground, after his application was rejected by both the building commissioner and the board of zoning appeals.

The town held that the proposed tower would decrease real estate values, was too close to the side lot line, and that certain technical information was missing from MacMillan's application.

According to MacMillan, "the problem with the zoning code is not the 60 foot height limit, but (rather) a provision that the neighbors have a right to protest because they don't like the tower for whatever reason."

This ordinance represented "discrimination under the color of law," MacMillan said. The city "can arbitrarily discriminate based on the whims of the neighbors."

In overturning the town's rejection of MacMillan's application, Judge Frank J. Battisti held that the city did not apply the zoning laws in such a way as to provide for reasonable accommodation of amateur communications. The court said there was no violation of the height ordinance with respect to the distance from the side lot line because the city has interpreted it incorrectly. The federal court also refused the city's request to relinquish jurisdiction to the state courts.

MacMillan was represented by ARRL Volunteer Counsel Robert M. Winston, W2THU, who has won several other tower cases in the Cleveland area. "We have won the battle, but not yet the war," Winston said, because the
a tower."

BRIEFS

court has not yet ordered that Rocky River issue a permit to construct
[] A special effort to reduce a sizable backlog in DXCC submissions has begun at HQ. Coordinated by Business Manager Barry Shelley, staff throughout the building are helping with routine processing of applications.

Ganging up to produce the backlog were the the addition of several new DXCC countries, the peak of the solar cycle, and new band endorsements for Amateur Radio's most popular award. For more background read "It Seems to Us," in November *QST*.

[] At The Front: The New Bern (NC) Amateur Radio Club will sponsor a Novice licensing class using ARRL materials. Not news? The news is the class will be conducted in Saudi Arabia, under the direction of U.S. Marine Mark Bitterlich, WA3JPY. Bitterlich, 37, has asked the club to send the study materials "to relieve the boredom and inactivity of those serving in 'the sand pile.'" The club's next step is to get accreditation for a volunteer examiner team.

[] The Queen Mary is back on the air. After a year of inactivity the ship's Amateur Radio station--W6RO, the club call sign of the Associated Radio Amateurs of Long Beach--once again provides a look at the hobby to visitors (as well as an opportunity to operate for visiting hams). Nate Brightman, K6OSC, is radio room manager.

[] The Radio Amateur Satellite Corporation has honored two HQ staff members. At their Oct. 20 banquet AMSAT recognized laboratory supervisor Jon Bloom, KE3Z, and educational activities coordinator Rosalie White, WA1STO, with plaques for their work with SAREX. Bloom was the original HQ liaison for the SAREX working group; White has been a member of the group since early 1989. Some 25 AMSAT volunteers also received plaques.

[] Richard A. Burton, formerly WB6JAC, has been fined $2,000 and placed on probation for 12 months, for transmitting without a license through a Los Angeles 2-meter repeater. Burton was convicted of the charge July 20 in federal court. In the early 1980s Burton's license was revoked for Part 97 violations. After his appeals were turned down he was ordered off the air, but he continued to operate. Following appeals Burton was jailed for seven months and then served five years on probation.

[] Nominations are solicited for the 1990 ARRL Herb S. Brier Instructor of the Year awards and should be sent to your Section Manager by January 31, 1991. These awards, recognizing classroom instruction in Amateur radio by both professionals and volunteers, went (in 1989) to Lyle Aufranc, AA6DJ, and Gerald Kasselmann, KD4QA.

From -3182811392971096676
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10e47a2a93180bce
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 19:33:34 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!unb.CA!LANG
From: LANG@unb.CA
Newsgroups: rec.ham-radio
Subject: Re: Satellite burn ?????
Message-ID: <ID5576.D901112.T233334.LANG@unb.ca>
Date: 13 Nov 90 03:33:34 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18

Posted: Tue Nov 13 04:33:34 1990

>I posting this for a friend, who has no usenet access.
>On the 5 nov. 17.40-17.50 Zulu, moving from North to South direction, a
>satellite burning in the athomosfere.

According to the Associated Press, mysterious lights observed by
thousands of people in the night sky over France on the evening of
5 November came from pieces of a Soviet rocket re-entering the
atmosphere. Quoting French and U.S. space agencies, AP stated that
the rocket had been used to launch a telecommunications satellite on
3 October.

```
================================================================================
 Richard B. Langley                             BITnet: LANG@UNB.CA or SE@UNB.CA
 Geodetic Research Laboratory                   Phone:  (506) 453-5142
 Dept. of Surveying Engineering                 Telex:  014-46202
 University of New Brunswick                    FAX:    (506) 453-4943
 Fredericton, N.B., Canada  E3B 5A3
================================================================================
```

From -2410116328788613692
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62cf76082d3e814c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 19:51:53 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!ub!uhura.cc.rochester.edu!
ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!Dave.Stark
From: Dave.Stark@f218.n260.z1.FIDONET.ORG (Dave.Stark)
Newsgroups: rec.ham-radio
Subject: Re: HR2510 Mods
Message-ID: <199.27404439@rochgte.FIDONET.ORG>
Date: 13 Nov 90 03:51:53 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 24
Posted: Tue Nov 13 04:51:53 1990

 > From: tad@ssc.UUCP (Tad Cook)
 >
 > In article <1990Nov6.174655.244@midway.uchicago.edu>,
 > pbhx@ellis.uchicago.edu (Peter B. Hayward) writes:
 > > In article <20363@crg5.UUCP> washer@crg8.UUCP (Jim Washer) writes:
 > > 1) This posting from Jim questioning Karl's right to be on the air
 > > belongs in email rather than in rec.ham-radio.
 >
 > I feel that the question was appropriate. Karl got on here saying
 > that he had paid a technician to replace the finals in his HR2510,
 > and wanted to run more power so he could "talk some skip."
 > He then asked for assistance in boosting the power. Under the
 > circumstances, I think the question was reasonable.

I agree wholeheartedly with Tad. I had the same thoughts but kept my fingers from the keyboard in order to prevent the inevitable flame war from the usual quarters.

--
Dave.Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!Dave.Stark
INTERNET: Dave.Stark@f218.n260.z1.FIDONET.ORG

```
From 5819485620095810056
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,41537301ed378939
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 20:20:31 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!veritas!amdcad!
mozart.amd.com!nucleus!brian
From: brian@nucleus.amd.com (Brian McMinn)
Newsgroups: rec.ham-radio
Subject: Re: 15 meter monobanders
Message-ID: <1990Nov13.042031.3681@mozart.amd.com>
Date: 13 Nov 90 04:20:31 GMT
References: <42094@cci632.UUCP> <16467@netcom.UUCP>
Sender: usenet@mozart.amd.com (Usenet News)
Organization: Advanced Micro Devices; Austin, TX
Lines: 21
Posted: Tue Nov 13 05:20:31 1990
```

Christopher E. Piggott, WZ2B writes:
>Why isn't there the equivilent of a 2510 for 15 meters? Or, is there
>one that I don't know about?

Page 62 of the 1990 CQ Buyer's Guide shows a 15m mobile made?/sold by NCG.

NCG
1275 N. Grove St.
Anaheim, CA 92806
714-630-4541

I have no clue as to whether these are worth the metal they are made of, so your on your own there....

--
Brian McMinn   brian@amd.com
Advanced Micro Devices   N5PSS
Austin, Texas   1-(512)-462-5389
"You can't leap a chasm in two jumps."

From -7560698183498l9382
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f67a5452862d8cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 20:21:23 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!bellcore!envy!karn
From: karn@envy.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Re: DSPer's Work Bench ?
Message-ID: <1990Nov12.222123@envy.bellcore.com>
Date: 13 Nov 90 04:21:23 GMT
References: <7880353@hpfcdc.HP.COM> <22628@ucsd.Edu>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 105
Posted: Tue Nov 13 05:21:23 1990

Brian Kantor gives a good nutshell intro to DSP. The method he describes for filtering is only one of perhaps three different ways of doing it in DSP; I think it's called "transform filtering".

Two other ways that are actually much more used in practice are called "Infinite Impulse Response" (IIR) and "Finite Impulse Response" (FIR). The names come from the fact that you can send an impulse (a "spike") into an IIR filter and have the effects reverberate in the output forever, while an FIR filter will always settle down if you wait long enough.

The difference is that IIR filters have internal feedback, while FIR filters do not. IIR filters consist of stages of registers and multiply/add operations that often closely resemble in structure what you would build in analog hardware. Performance is very similar too, except that you don't have the component tolerance problems you usually have with analog filters.

An FIR filter consists of a long shift register that is clocked at the "sample rate" (the rate at which you feed new input signal voltage measurements into the system). (Actually, since each sample is typically 8 or 16 bits, you need 8 or 16 shift registers in parallel, one for each bit of the sample.) A sampling clock pulse causes the value in each register stage to move down one stage toward the end; when a sample "drops off" the end it is discarded. After each clock pulse, all of the register stages are read out in parallel. Each value is multiplied by a constant unique to that stage, and the results of these multiplies are all added together. This becomes the filter output for this clock pulse. When the clock ticks, a new sample goes in the front, the oldest sample is clocked out into the bit bucket, and the multiply/sum operations are done all over again.

Here's what an FIR filter of length 5 would look like. If the samples are 8 bits wide, then each stage of the shift register has to hold one

8-bit sample in parallel.

```
              _____________________
samples in -->| 1 | 2 | 3 | 4 | 5 |---> bit bucket
              ---------------------
                |   |   |   |   |
                x   x   x   x   x
                K1  K2  K3  K4  K5
                |   |   |   |   |
                -----------------
                |     sum       | ----> output
                -----------------
```

You can see why this is called a "finite impulse response" filter. No matter what constants you use, the effect of any input signal will not continue past the point where it "drops off" the end of the shift register. But by choosing an appropriate constant for each stage in the chain, you can make an impulse at the input produce any waveform you want at the output, as long as the chain of registers is long enough.

Being able to produce an arbitrarily-shaped response to an impulse input is equivalent to being able to produce any filter shape (in frequency) that you want; again, you are limited only by the length of the shift register. In a long register, you have a LOT of "tweaks" to play with, so you can produce some pretty bizarre filters if you like.

Filter lengths of 256 stages are common in real systems. Programs exist that will determine all those constants for you. You tell them the (arbitrary) frequency response curve you want, along with various constraints on the system (e.g., the maximum length of the shift register, the desired tolerance in meeting your response function, etc). Out comes a list of constants plus a plot of what the actual response will look like. (The longer the shift register, the closer this will be to your desired response. Some filters, e.g., perfect lowpass, cannot be realized without an infinite number of stages. This is not a limitation of DSP - you can't build a perfect analog lowpass filter without an infinite number of components either.)

The most useful FIR filters have symmetrical constants; in my example, K1 = K5 and K2 = K4. This produces filters with flat "group delay" (aka "linear phase"). That means that all frequency components in the input will pass through the filter with the same time delay (if they make it through at all, that is). This feature is an extremely useful one in modems, but it is VERY hard to provide economically in either analog hardware or IIR DSP. This is perhaps the main reason why FIR filters are so popular, despite their needing many more shift register stages and arithmetic operations than IIR filters with the same frequency response curves.

Now that you understand how a FIR filter operates you can see why regular CPUs are usually inadequate to build serious filters, and why the "multiply/accumulate" instruction in a DSP chip is always so heavily optimized: the FIR structure is simple, but computationally very demanding.

The multiply/accumulate instruction takes two values from memory, multiplies them together, and adds the result to the accumulator. Many chips do it in one or two CPU clock cycles. (The shift register is usually implemented in memory. Instead of actually copying the data on each clock pulse, you create a circular buffer and just increment some registers to keep track of where the beginning and end are.)

As these chips get faster, you can build longer FIR filters (or run shorter filters at higher sample rates) and do more complex systems on a single chip. It is now no big deal to do a complete 9600 bps phone modem, with multiple FIR filters, phase locked loops, data descramblers, etc, all implemented as sections of one big program that a single DSP chip completely executes once per sample.

Phil

From 6110980416740425784
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e1b8900a9e90617
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 21:01:23 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpcc05!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Re: Foreign Phrase Book for Hams?
Message-ID: <27080023@col.hp.com>
Date: 13 Nov 90 05:01:23 GMT
References: <9011050845.C70C0D01EDBF@es.office>
Organization: HP Colorado Springs Division
Lines: 19
Posted: Tue Nov 13 06:01:23 1990

>Warren_Tuiskula@es.UUCP / 6:45 am Nov 5, 1990 /
>
>Does anyone have information on where I can obtain a copy of the foreign
>language phrase book for hams that was written by a Finnish amateur? This
>----------

"The Radio Amateur's Conversation Guide" is available from Transelectro-America, 2301 Canehill Ave, Long Beach, CA 90815 for $11.00, postpaid. Audio tapes are also available.

I just bought the book. It wasn't quite as good as I had hoped, but still it seems worth the money.

Bob Witte   HP Colorado Springs Division
bobw@col.hp.com   P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO 80901

Radio: KB0CY
"Gracias, Frauline, das ist mucho bueno."

From 8784450374649099320
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31b600885a922323
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 21:02:58 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!att!bellcore!envy!karn
From: karn@envy.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Re: Phone bashing
Keywords: just suppose
Message-ID: <1990Nov13.000258@envy.bellcore.com>
Date: 13 Nov 90 05:02:58 GMT
References: <39522@ut-emx.uucp>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 22
Posted: Tue Nov 13 06:02:58 1990

In article <39522@ut-emx.uucp>, oo7@ut-emx.uucp (Derek Wills) writes:
|> Most phone DXing and contesting is conducted in English (well, most is in
|> Amurrican but we'll overlook that). Suppose you were Japanese, didn't speak
|> English, but got interested in amateur radio and DXing. Do you really think
|> that learning cw in order to do cw DXing would be such a terrible thing when
|> compared with having to learn English in order to do phone DXing?

Derek,

How does knowing CW help me converse with people who don't speak
English, assuming, of course, that I can't speak *their* native
language either?

English is a natural language. CW (or more precisely, the
International Morse Code) is a *CHARACTER SET*, nothing more. Knowing
a character set does not mean you know the natural language that uses
it, as anyone who has studied Russian (or Japanese) can tell you.

Oh, you're referring to "conversations" like "FB OM UR 599 HR CUL 73 QRZ..."?
Never mind...

Phil

From -7332944066934467909
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,41537301ed378939
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 21:45:54 PST

Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!bellcore!envy!karn
From: karn@envy.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Re: 15 meter monobanders
Message-ID: <1990Nov12.234554@envy.bellcore.com>
Date: 13 Nov 90 05:45:54 GMT
References: <42094@cci632.UUCP> <19405@oolong.la.locus.com>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 16
Posted: Tue Nov 13 06:45:54 1990

In article <19405@oolong.la.locus.com>, dana@lando.la.locus.com (Dana H. Myers) writes:
|>   Does it really matter which mode (USB vs LSB) one uses for
|> packet?

Dana,

You're quite right - in theory it shouldn't matter which sideband you use for packet. In practice, however, sometimes it can make a difference because of the non-symmetric response (amplitude or phase) of the crystal filter in your radio. In this case, one sideband or the other may give better results. N4HY and I have both noticed that LSB works better than USB when receiving PSK from the Microsats on our IC-471s.

Phil

From 8092202349574653089
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8545d3eff0750a1a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 22:03:33 PST
Path: gmdzi!unido!mcsun!uunet!know!sdd.hp.com!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <1990Nov13.060333.19916@ux1.cso.uiuc.edu>
Date: 13 Nov 90 06:03:33 GMT
References: <9011122337.AA20923@tilde>
Organization: University of Illinois at Urbana
Lines: 65
Posted: Tue Nov 13 07:03:33 1990

dube@cpdvax.csc.ti.com writes:
>>You may have the best of intentions, but I don't think you
>>know and understand what the future of the hobby has going for it in the next
>>fifty years.

>
>I don't think you do, either.

No, but I know it is NOT going to be like it was in the past...
...if there is anything at all.

>"Lack of growth" is due to a large variety of things, chief of which is the TV, "Nintendo" games, and computers. I don't buy your argument that the need to copy Morse at 5 WPM is the direct cause.

In such a world, do you think requiring someone to do something that is clearly (to them, not to many hams) irrelevant is going to cut through it?

Most kids today COULD learn Morse Code, and probably better than anyone. But why don't they? Because we have failed to impress them with anything that it is useful for. Mere challenge for the sake of challenge is not why most existing hams learned Morse Code.

>If a "stick to tradition" attitude is a knife in the heart of amateur radio now, why was it not so in earlier years? Why, oh why, must we be constantly be propagandized with the idea that tradition is bad? Progress has been, and will continue to be, made while holding to traditions.

Things were different back then. When ham radio first got started, there was no tradition to look back to, so the issue just never came up. Code was the only way to operate, and if you didn't learn it, there just wasn't anything to do. It was required for a license simply because you just had to learn it anyway.

But things change. If people themselves want to live in the past, let them. But let ham radio go free to find its niche in the future. Don't tie it down to the past.

>Why do I keep spinning the dials up to the VHF and UHF bands and hear people who make me feel bad instead of feeling profoundly proud? There are bad attitudes and rotten apples all over, that's why; and I certainly can't see a no-code license improving THAT.

I'm not saying it will. But a code test hasn't improved it. It's bad now. The question is if a code test is preventing it from getting worse. This is something we cannot know the answer to (many of us believe something).

These problems are the result of society and government. People have so little respect for government these days. It's rather obvious when the FCC cannot afford to enforce existing laws. And now we have this crazy drug war that is doomed to failure. Government has no respect any more.

>The point is, that none of the foregoing hyperbole is selling no-code, (or, for that matter, pro-code) and few people seriously believe that no-code is the panacea that will rescue amateur radio from (moot) death.

No, "no code" won't save ham radio. Marketing the hobby will, but we can't do that until we are out from under the code requirement that is stiffling the product.

You can't sell a product people won't buy.
Once you have the product, then you have to SELL SELL SELL!
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 5260040788418877722
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dbea131b7c737d75,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,dbea131b7c737d75,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-11-12 23:10:45 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!ucsd!ucbvax!bloom-beacon!w1gsl
From: w1gsl@athena.mit.edu (Steven L. Finberg)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Spanish Time Stations ???
Message-ID: <1990Nov13.071045.21754@athena.mit.edu>
Date: 13 Nov 90 07:10:45 GMT
Sender: daemon@athena.mit.edu (Mr Background)
Organization: Massachusetts Institute of Technology
Lines: 24
Xref: gmdzi rec.ham-radio:16820 rec.radio.shortwave:2690
Posted: Tue Nov 13 08:10:45 1990

On a recent trip to Florida I noticed an interesting time signal
at several spots across the broadcast band.

It had ticks at one second intervals and a tone at the exact minite,
followed by a high pitched RR in code about 2 seconds later.

All through this in Spanish a man and woman rambel on.

The signals were quite strong with the minuite beep sometimes copyable
over the Miami 740kHz news station even in Miami Beach. The other two
chanells were around 590 KHz and 950 kHz (?? I seem to have lost my notes)
The voice program seemed identical between all 3.

Any one know who runs this service?

What the format is ? ie how is the time actually stated (ascii on the RR?)
What the commintators were rambeling about (mabey advertising?)

I probably should have had someone who spoke Spanish listen while I was down there
but didn't get a chance, and I do not seem to be able to copy it up here.

73 Steve F

W1GSL

From 4174429619042131890
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85ed152e4ef6ff0e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,85ed152e4ef6ff0e,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-11-12 23:41:36 PST
Path: gmdzi!unido!mcsun!uunet!samsung!think.com!snorkelwacker!bloom-beacon!w1gsl
From: w1gsl@athena.mit.edu (Steven L. Finberg)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Marine Band radio Frequencies?
Message-ID: <1990Nov13.074136.22295@athena.mit.edu>
Date: 13 Nov 90 07:41:36 GMT
Sender: daemon@athena.mit.edu (Mr Background)
Organization: Massachusetts Institute of Technology
Lines: 30
Xref: gmdzi rec.ham-radio:16824 rec.radio.shortwave:2692
Posted: Tue Nov 13 08:41:36 1990

My question is about the odd order that channel numbers are displayed
on the 2 digit LED display.

The following are sequencially displayed as the selector knob is rotated;

1 2 3 9   ---   transmitter will not key on these

o6 o7 o8 o9 10 11 12 13 14 16 18 22 24 25 26 27 28

68 69 70 71 72 78 79 84 88

The rig makes about 15 W into a dummy load on all chanels except
13 where it seems stuck at 1 W.

Any thoughts on the odd channel number spacing ?
Why ch 1 2 3 and 9 are RX only ?
Is the display operating properly?

In a few min of tunning (at 2AM :-)) I was only able to hear one
conversation on ch 18, then again there was almost no antenna !

73 Steve F
W1GSL

*%
Steve Finberg
w1gsl@athena.mit.edu
617 258 3754
PO Box 82 MIT Br Cambridge MA 02139
*%

```
From -1785611758482941337
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dbea131b7c737d75
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,dbea131b7c737d75
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-11-13 02:10:04 PST
Path: gmdzi!unido!mcsun!hp4nl!star.cs.vu.nl!gpvos
From: gpvos@cs.vu.nl (Vos G P)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Spanish Time Stations ???
Message-ID: <8223@star.cs.vu.nl>
Date: 13 Nov 90 10:10:04 GMT
References: <1990Nov13.071045.21754@athena.mit.edu>
Sender: news@cs.vu.nl
Lines: 23
Xref: gmdzi rec.ham-radio:16825 rec.radio.shortwave:2695
Posted: Tue Nov 13 11:10:04 1990

w1gsl@athena.mit.edu (Steven L. Finberg) writes:
>On a recent trip to Florida I noticed an interesting time signal
>at several spots across the broadcast band.
>It had ticks at one second intervals and a tone at the exact minite,
>followed by a high pitched RR in code about 2 seconds later.
>All through this in Spanish a man and woman rambel on.

I remember having seen several stations called "Radio Reloy" when reading
through the WRTH, all located in the Caribbean (dunno exactly where, maybe
Cuba, maybe there are several countries using the same name and/or format for
their news program).
They are described as news and talk stations, with second ticks and a signal,
identification "Radio Reloy" and time announcement on every minute.

Can't tell you more from my memory, but this should be something.

-                       Gerben.
--
--- Gerben Vos - Aconet: {BBCBBS,BIGBEN}!Gerben Vos - Internet: gpvos@cs.vu.nl
---- Definition of intelligence: Anything a human does better than a computer
--
--- Gerben Vos - Aconet: {BBCBBS,BIGBEN}!Gerben Vos - Internet: gpvos@cs.vu.nl
---- Definition of intelligence: Anything a human does better than a computer
```

```
From -4954829966222181559
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,caa7b09a232bb19
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 17:28:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!news.cs.indiana.edu!news!cartan!
ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
```

Newsgroups: rec.ham-radio
Subject: Re: Hams,Public service/mods to radios for 11 meters
Message-ID: <347.273B177E@w8grt.fidonet.org>
Date: 10 Nov 90 01:28:58 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 31
Posted: Sat Nov 10 02:28:58 1990

> From: rec@chiton.ucsd.edu (Richard Currier)
> Date: 9 Nov 90 00:59:47 GMT
> Organization: MPL of SIO at UCSD
> Message-ID: <590@chiton.ucsd.edu>
> Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,
> rec.ham-radio
>
> In article <21057@ttidca.TTI.COM> root@ttidca.TTI.COM (The Root of all
> Evil) writes:
> > The
> >latest set insists on making it damn near impossible to modify the rig for
>
> They won't be doing anything soon. The solution according to a fellow
> New
> Hampshireite in the current administration is to do nothing long enough

In the absence of any substantiation, I would tend to suspect your friend is
a guppie trying to sound like a shark. Details, please!!

PS -- What's the point to separate newsgroups if everyone posts in all of
them?

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ___________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From -1313237381125944962
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 17:33:23 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!
zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!agate!ucbvax!hplabs!hpfcso!
hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <7880360@hpfcdc.HP.COM>

Date: 10 Nov 90 01:33:23 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
Organization: HP Fort Collins, Co.
Lines: 65
Posted: Sat Nov 10 02:33:23 1990

>>Somehow, I have trouble swallowing the argument that 5 WPM code keeps the brightest minds out of Radio. A truly disciplined mind will recognize the CW requirement for what it is ("an interesting, but irrelevant baseband modulation example"), spend the 6 hours or whatever learning it, and then get on with being brilliant.
>
>I repeat a point I made in the past. Morse is a marketing disaster.

I agree. I think we shoot ourselves in the foot, too.

Here's my modest proposal: provide (small) code-free [vsu]hf subbands. If they turn into glorified CB bands, then don't give them any more bandwidth. If they turn into real technology mills, then expand them.

>I work at an establishment that designs advanced computer networks, including hardware, software, protocols, etc. This place is lousy with EEs. Yet I have met very, very few people interested in getting started in ham radio for the first time.

I work in a similar environment. One person here has been a factor in five people getting licensed. That's ~10% of the organization.

>Sometimes people begin to get interested. Then they inevitably ask the question, "Do you still need to know the morse code?" Given that the answer here is still "yes", they immediately lose all interest. They just don't want to waste time learning an antiquarian skill as a hazing ritual.

The answer is "Morse Code is required of US amateurs by international treaty. Besides, it is so trivial to learn that that you can do it in 2 weeks by studying 1/2 hr/day." While you may acknowledge their perceptions, you don't have to agree with them. Two guys here knew they were being hazed, but then got into the challenge so much, they went for 13 WPM !

For anyone who plays Tetris, or any of those video games, Morse Code is like making it to Level 5, 13, or 20. I've watched my wife spend hours trying to hit level 10 / height 6. No difference. She could have been at 13 WPM by now.

>If you want to communicate, the Usenet is zillions of times faster and more reliable than ham radio will ever be.

Agreed. But the purpose of ham radio is not efficient communications. (Boy, am I going to get flamed for that.) The purpose is to _develop_ and _test_ efficient communications (like packet, new modulation techniques, etc).

>And I'm a CW operator, so don't give me any crap about my own lack of
>effort. I like to _use_ CW. I just don't like to _require_ it.

Then we need to create a VHF-and-up license class. But, if that happens, I want large Communicator-free subbands. If the usage patterns explode like everyone predicts, then give them more spectrum. If they behave like cretins, take away some spectrum.

>Fred R. Goldstein k1io   Digital Equipment Corp., Littleton MA

Perry Scott / KF0CA

From 1301137781463003098
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85ab6090531cd0c1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,85ab6090531cd0c1,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f5cc0,85ab6090531cd0c1,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-11-09 18:41:07 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!usc!zaphod.mps.ohio-state.edu!think.com!masscomp!ocpt!tsdiag!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.space
Subject: RADIO-M1: CW-Telemetry Equations
Keywords: RS14 Satellite
Message-ID: <367@ka2qhd.UUCP>
Date: 10 Nov 90 02:41:07 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 84
Xref: gmdzi rec.ham-radio:16793 rec.ham-radio.packet:3034 sci.space:17413
Posted: Sat Nov 10 03:41:07 1990

Copied From Amateur Packet Radio:

```
 Msg# TSP  Size To     @ BBS  From    Date  Time Bid
14664 BN$  3080 ALL    AMSAT  DB2OS  901109 1252 02B018DK0MAV
Subject: RADIO-M1: CW-Telemetry Equations
```

de DB2OS @ DK0MAV

Info from AMSAT-U:

TELEMETRY OF "RADIO-M1"

Radio-M1 transmits Morse code (CW) and digital telemetry.

CW telemetry will start as soon as the bird separates from the launch vehicle and Radio-M1 equipment will be powered by main satellite power system.

CW Morse-Code telemetry frame consists of the registration call RS14 and 8 four-digit lines in the following format:

```
     RS14  1A 1B 1C 1D
           2A 2B 2C 2D
           3A 3B 3C 3D
           4A 4B 4C 4D
           5A 5B 5C 5D
           6A 6B 6C 6D
           7A 7B 7C 7D
           8A 8B 8C 8D
```

The 1A to 7A lines are analog telemetry data. Line 8A is calibration engineering parameter.

The first digits from 1A to 8A are system status data:
figure 6 means general operating status
figure 2 means command operating status.

The second digits from 1B to 8B (0 to 7) are numbers of line (channel).

The third and fourth digits from 1C to 8D are analog telemetry datas.

Table of meaning and decoding parameters

No of line	Parameter	Formula	Unit
0	Transponder power output	0.05N	Watt
1	Transponder PA Temperature	N	Grad. C
2	+24 V Regulated	N	Volt
3	+16 V Regulated	N	Volt
4	+9 V Regulated	N	Volt
5	+24 V Regulated	N	Volt
6	Inside Temperature	N	Grad. C
7	Service	N	*

Example:

```
        RS14
        6080    -   4 Watts       -  general
        6137    -  37 Grad. C     -  general
        6224    -  24 Volts       -  general
        6316    -  16 Volts       -  general
        6409    -   9 Volts       -  general
        2524    -  24 Volts       -  command
        2632    -  32 Grad. C     -  command
        2700    -   0             -  command
```

-EOF-

--
John A. Magliacane   FAX : (908) 747-7107
Electronics Technology Department AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College   UUCP : ...!rutgers!ka2qhd!kd2bd
Lincroft, NJ 07738 USA   VOICE: (908) 842-1900 ext 607

From 759371566461702733
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e936293d2fd4f623
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 20:01:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!usc!zaphod.mps.ohio-state.edu!ub!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Antenna remote location
Message-ID: <195.273C00B5@rochgte.FIDONET.ORG>
Date: 10 Nov 90 04:01:52 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 17
Posted: Sat Nov 10 05:01:52 1990

> of my land. I would like to place my antenna at the top of this hill.
> The horizontal distance is about 200 feet. The problem of course,
> is connecting the radio to the antenna. Cable sounds too

Maybe you could try a "passive repeater" setup. This involves your primary antenna on the hilltop, the cable to the shack, and a secondary antenna _in_ the shack. A line amplifier somewhere in between _might_ help, but you would have to find a way to power it.

This type of system is briefly described in the November, 1990 issue of Popular Communications.

--
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG

From -4874978563602482335
X-Google-Language: GERMAN,ASCII-7-bit
X-Google-Thread: 10c9e3,2a9da91fee74f0d1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 12f11c,2a9da91fee74f0d1,start
X-Google-Attributes: gid12f11c,public
X-Google-ArrivalTime: 1990-11-09 20:01:57 PST
Path: gmdzi!unido!infoac!infoac.rmi.de!bpk
From: bpk@infoac.rmi.de (Bernd P. Kieck)
Newsgroups: dnet.ham,rec.ham-radio
Subject: DEUTSCHLAND-RUNDSPRUCH DES DARC NR. 38/90 VOM 09.11.1990
Message-ID: <1990Nov9.093141.8741@infoac.rmi.de>
Date: 9 Nov 90 09:31:41 GMT
Sender: bpk@infoac.rmi.de (Bernd P. Kieck)
Followup-To: dnet.ham
Distribution: eunet,dnet,sub
Organization: RMI Net INFO.box Systems * Aachen * Hamburg * Flensburg
Lines: 143
Xref: gmdzi dnet.ham:338 rec.ham-radio:16609
Posted: Fri Nov 9 10:31:41 1990

DEUTSCHLAND-RUNDSPRUCH DES DARC NR. 38/90 VOM 09.11.1990

NEWINGTON:

Das Diplom-Komitee des amerikanischen Amateurfunkverbandes ARRL hat die DDR mit Wirkung vom 03.10.1990 von der DXCC-Laenderliste gestrichen. Dies meldete die Rundspruchstation W1AW am 07.11. QSL-Karten mit den Landeskennern DM und DT bzw. Y2 bis Y9 werden nur noch fuer die Zeit vom 17.09.1973 bis zum 02.10.1990 fuer die DDR anerkannt. Verbindungen ab dem 03.10.1990 zaehlen fuer Deutschland, das heisst wie DL. Die Demokratische Volksrepublik Jemen, 7O, und die Arabische Republik Jemen, 4W, sind ab 22.05.90 in der DXCC-Laenderliste gestrichen und durch ein neues Land Jemen, 7O, ersetzt. Als fruehester Termin fuer die Einreichung neuer 7O-Karten ist der 17.03.1991 festgesetzt. Damit umfasst die derzeit gueltige DXCC-Laenderliste 322 Laender.

HERNE:

Die AMSAT-NA hat die im Herbst geplanten Termine fuer die naechsten ZRO-Tests ueber den Amateurfunksatelliten OSCAR 13 bekanntgegeben. Nachfolgend sind ausser den Terminen fuer Mitteleuropa jeweils auch die Elevation und der Winkel der Miaweisung der Sa-

tellitenantennen - der sogenannte Squint-Winkel - genannt. Guenstige Bedingungen liegen vor bei grosser Elevation und geringem Squint-Winkel. Hier die Termine:
24.11.90 um 17:00 UTC, Mode B, 8 Grad Elevation, 4 Grad Squint
01.12.90 um 20:30 UTC, Mode B, 7 Grad Elevation, 8 Grad Squint
15.12.90 um 16:30 UTC, Mode B, 6 Grad Elevation, 5 Grad Squint
22.12.90 um 05:30 UTC, Mode B, 56 Grad Elevation, 24 Grad Squint
22.12.90 um 06:45 UTC, Mode L, 56 Grad Elevation, 13 Grad Squint
Die naechsten Tests erfolgen erst wieder zwischen April und Juni 1991. Es sollen dann auch mehr Tests in Mode L stattfinden. Der ZRO-Test ist ein wichtiges Hilfsmittel zur Ueberpruefung der eigenen OSCAR-Station. Die Teilnahme kann jedem OSCAR-Benutzer dringend empfohlen werden. Ziel ist das Erkennen von technischen Fehlern der Empfangsanlage und die Optimierung des OSCAR-Empfangs. Bildlich gesprochen geht es also um die Ausrottung von "Krokodilen". So nennt man volkstuemlich Stationen, die aufgrund schlechter Empfangseigenschaften ihre Sendeleistung unnoetig erhoehen. Eine ausfuehrliche Anleitung zur Teilnahme an den ZRO-Tests ist in der cq-DL 8/89, Seite 495, abgedruckt. Die Frequenzen sind 145,840 MHz fuer Mode B und 435,945 MHz fuer Mode L.

KIEL:

Der DARC-Distrikt Schleswig-Holstein betreibt auf 10,144 MHz eine Aurora-Warnbake. Sie wurde von DK4VW erbaut und dient als Indikator fuer Aurora-Bedingungen aufgrund von Empfangsbeobachtungen. Standort ist bei DK4LI noerdlich der Schlei.

Bei normalen Bedingungen wird das Rufzeichen DK0WCY dreimal hintereinander gegeben, gefolgt von einem Dauerstrich von drei Sekunden Laenge. Bei schwacher Aurora in Norddeutschland werden nach dem Rufzeichen etwa 15 kurze Striche gegeben. Eine starke Aurora wird durch einen zehn Sekunden dauernden Strich angezeigt. Es ist geplant, die Bake parallel auf einer anderen Frequenz mit wechselnden Ausbreitungsbedingungen zu betreiben.

HANNOVER:

Am 03./04.11. fand in Hannover die diesjaehrige Interradio statt. Zur Eroeffnung konnte der gastgebende Distriktsvorsitzende, Claus Otte, DL3MC, zahlreiche Ehrengaeste und Besucher begruessen.

Die Veranstaltung stand unter der Schirmherrschaft von Ministerialdirigent Peter Kahl vom Bundesministerium fuer Post und Telekommunikation. In seiner Festansprache stellte Kahl die Probleme des BMPT bei der Vergabe von Frequenzen dar. Eine Garantie fuer die Erhaltung der heutigen Amateurfunkbaender koenne zum jetzigen Zeitpunkt auf lange Sicht nicht gegeben werden. Jedoch sei der DARC aufgefordert, sich weiterhin gespraechsbereit zu zeigen.

Unter den zahlreichen Fachvortraegen dieses Tages war insbesondere der Beitrag von Dr. Lothar Wilke, Y24UK, von allgemeinem Interesse. In einem umfassenden Rueckblick zeichnete Y24UK die Entwicklung des Amateurfunks in der DDR von 1953 bis 1990 nach.

Im Ausstellungsbereich war der DARC mit einem grossflaechigen Informationszentrum vertreten. Am Stand des Jugend- und Ausbildungsreferats beschaeftigten sich zahlreiche, zum Teil sehr junge Interessenten mit dem Bohren und Bestuecken von Platinen. Ein besonderer Anziehungspunkt war wiederum der Flohmarkt.

Am Sonntag begann die Vortragsreihe mit einer Diskussionsrunde unter dem Thema: Funkamateure fragen den Vorstand und den Amateurrats-Sprecher. Zu den Fragen der Besucher nahmen der gesamte Vorstand des DARC, der AR-Sprecher, Hans-Christian Schuett, DL9XN, und der Geschaeftsfuehrer des DARC, Bernd W. Haefner, Stellung. Die Moderation lag bei Dr. Horst Ellgering, DL9MH.

Hauptthemen waren die Interessenvertretung des DARC gegenueber der Post und der Industrie sowie die drohende Bandbeschneidung des 70-cm-Bandes und die Betrachtung dieser Problematik unter dem Blickwinkel des wirtschaftlich-oekonomischen Nutzens der betroffenen Funkdienste.

Weitere Fragen wurden zur Thematik TVI/BCI, Leistungsbeschraenkungen sowie zur Belegung des Sonderkanals S6 gestellt.

Zur Bildung eigenstaendiger Interessengruppen entstand eine laengere Diskussion. Der 1. Vorsitzende, Guenther Matz, DJ8BN, stellte fest, dass technische Innovationen wichtig seien, um weiterhin den experimentellen Aspekt des Amateurfunks unter Beweis zu stellen. Jede Abspaltung von Interessengruppen sei jedoch ein negatives Ergebnis.

Die Diskussion schloss mit der Erkenntnis, dass diese Runde ein fester Bestandteil der Interradio werden solle.

Mit ueber 11.500 Besuchern hat die Interradio erneut ihre Daseinsberechtigung bewiesen. Dabei wird in den naechsten Jahren sicherlich ein weiterer Anstieg der Besucherzahlen zu erwarten sein.

FUNKWETTERBERICHT: (06.11. von DJ2RE)

Erwartungsgemaess steigen seit Monatsanfang die Tageswerte der Sonnenfleckenzahl und der 10-cm-Strahlung wieder steil an. Nach einer Meldung von Boulder/USA wurden am 04.11. 227 bzw. 156 Einheiten erreicht und am darauffolgenden Tage 266 und 170 Einheiten. Zur gleichen Zeit war die Magnetik auffallend ruhig. Auswirkungen auf die Hoehe der F2-Grenzfrequenz, deren Maximalwerte zur Zeit um 13 MHz schwanken, sind allerdings bisher noch nicht zu erkennen.

Die positive Entwicklung der Sonnenaktivitaet wird voraussichtlich bis Mitte November anhalten. Infolgedessen werden sich im Zusammenwirken mit dem jahreszeitlichen Gang waehrend der zweiten Monatshaelfte die besten Ausbreitungsbedingungen dieses Jahres auf den hoeherfrequenten Baendern einstellen.

Das Niveau des Vorjahres wird vermutlich jedoch nicht erreicht werden, da sehr wahrscheinlich das Maximum des Zyklus 22 - mit einem gleitenden Monatsmittel der Sonnenflecken-Relativzahl von 158,1 - bereits im Juli 1989 auftrat.

Ende des DL-RS Nr. 38/90 vom 09.11.1990

Bearbeitung: DC7XJ @ DB0GR

..._._

```
--
*****************************************************************
   ___  ____  ___    _  _ ___ ___   ___ ___ ___     ___ _  _
  /__/ / / /   /    /\ / /__   /   /__//__//   /__//__ /\ /
 / \  /   / __/_   /  / /__   /   /  //  //__ /  //__ /  /
```

```
From -7223942233576421681
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ba2be1dd8c4d2305,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 20:40:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!usc!
elroy.jpl.nasa.gov!news
From: gwalsh@kilroy.jpl.nasa.gov (Gerald J. Walsh)
Newsgroups: rec.ham-radio
Subject: Kenwood TH-77A -- mods ?
Message-ID: <1990Nov10.044053.13684@elroy.jpl.nasa.gov>
Date: 10 Nov 90 04:40:53 GMT
Sender: news@elroy.jpl.nasa.gov (Usenet)
Organization: Jet Propulsion Laboratory, Pasadena, CA
Lines: 23
Posted: Sat Nov 10 05:40:53 1990
Originator: gwalsh@kilroy
Nntp-Posting-Host: kilroy.jpl.nasa.gov
```

I've been watching this newsgroup lately and hoping that someone would post mods for this new radio. I just picked one up the other day and so far, so good! The local ham radio store had one on display and they had it modified by someone else to do all the fancy things, including UHF RX to 512MHz and the AM aircraft that Kenwood talks about in their magazine ads. Unfortunately, they don't have the information about how to do this yet. One ham walked into the Kenwood Service Center here and asked them and they said, "TH-77A... That won't be out until next March or April." The ham showed it to the service guy and he couldn't believe it!

Anyway, I'm dying to take advantage of these EXTRA features ASAP, but I still haven't found anyone that knows the mods, so here I am running Pnews today. Has anyone got the answer (yet) ??

Thanks!

```
Gerald J. Walsh                          | Internet: gwalsh@kilroy.jpl.nasa.gov
Jet Propulsion Laboratory                | Phone   : (818) 354-3913
RF and Microwave Subsystems Section      | Fax     : (818) 354-2825
M/S 238-528                              |
```

4800 Oak Grove Drive |
Pasadena, CA 91109 |

From -5854783311118365356
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b4387f31195990d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 21:06:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!agate!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: re Code & Other requirements
Message-ID: <7880361@hpfcdc.HP.COM>
Date: 10 Nov 90 05:06:11 GMT
References: <9010231256.AA05779@lonex4.radc.af.mil>
Organization: HP Fort Collins, Co.
Lines: 21
Posted: Sat Nov 10 06:06:11 1990

>> Next time I hear you on the 115 repeater, I'll send some code. :-)
>
>I didn't understand you the last time you sent DTMF Morse code, either. :-)
>----------
>
>That's ok Alan. I know the code (at least my license says I should) and
>I also didn't understand Perry the last time he sent some code.   :-)
>
>Bill - WA7NWP

1. Remember, we're tested on code receiving, not on sending. :-)
2. YOU try doing CW on the undersized keypad of your HT ! :-)
3. Last I saw, ICOM doesn't offer a code key for any of their rice rockets.
   Does Yaesu ?

[This is awful, guys. We sit less than 50' apart, and they're hearing
this drivel in Australia. Kinda like 10 meters, I guess.]

--*- *** -*--   * -- *- ** *-**

Perry

From 7071597463316218887
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 21:16:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!agate!ucbvax!hplabs!hpfcso!hpfcdc!perry

From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <7880362@hpfcdc.HP.COM>
Date: 10 Nov 90 05:16:00 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
Organization: HP Fort Collins, Co.
Lines: 16
Posted: Sat Nov 10 06:16:00 1990

>   I think we should modify the written test in the following way: send
>the questions in CW at 5 WPM. Then if you can copy, you can answer the
>questions. Perhaps, for many, this would be the same as a place out
>in the country we like to call "hell".
>
>   Mega smiley :-) *10**6
>
>   Joe   AA6YD

:) :) Most assuredly, it would be hell for those that copy 20 WPM,
those that can barely copy 5, and anyone taking the Advanced written
exam.

Real demented, Joe. Go seek professional help. :)

Perry

From -4943017386301969642
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,41537301ed378939
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 21:23:30 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!
zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!agate!ucbvax!hplabs!hpfcso!
hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: 15 meter monobanders
Message-ID: <7880363@hpfcdc.HP.COM>
Date: 10 Nov 90 05:23:30 GMT
References: <42094@cci632.UUCP>
Organization: HP Fort Collins, Co.
Lines: 10
Posted: Sat Nov 10 06:23:30 1990

>Why isn't there the equivilent of a 2510 for 15 meters? Or, is there
>one that I don't know about? Seems to me it wouldn't be that much
>harder to build than the 10m one, and you could leave off the FM
>portion and just leave CW, USE, and LSB (packet)

If you *really* gotta have a 2510 for 15 meters, maybe it's time to dust
off the Handbook section on "Transverters". Shouldn't be too tough,

given the 2510's finals are ersatz-QRP (apologies to Bill) .

Perry / KF0CA

From 8017003002867091071
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b4387f31195990d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 23:21:08 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Code & Other requirements
Message-ID: <1990Nov10.072108.16631@ux1.cso.uiuc.edu>
Date: 10 Nov 90 07:21:08 GMT
References: <9010231256.AA05779@lonex4.radc.af.mil> <7500038@hpfcso.HP.COM>
Organization: University of Illinois at Urbana
Lines: 13
Posted: Sat Nov 10 08:21:08 1990

vodall@hpfcso.HP.COM (Bill Vodall) writes:

```
>That's ok Alan.  I know the code (at least my license says I should) and
                                   ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
>I also didn't understand Perry the last time he sent some code.   :-)
```

I'm curious where on the license it says this. Mine doesn't say anything
like this. I got my first license in 1986 and it didn't say anything then
so I guess they changed it sometime between when yours and mine were issued.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 4448776222665672932
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5edc238380a90a66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-10 00:03:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!sun-barr!apple!xanadu!jeff
From: jeff@xanadu.com (Jeff Crilly N6ZFX)
Newsgroups: rec.ham-radio
Subject: req'd license for packet (was Re: Abbreviation "QAM")
Message-ID: <1990Nov10.080332.17952@xanadu.com>
Date: 10 Nov 90 08:03:32 GMT
References: <33@bootsie.UUCP>
Organization: Xanadu Operating Company, Palo Alto, CA
Lines: 57
Posted: Sat Nov 10 09:03:32 1990

In article <33@bootsie.UUCP> olson@endor.harvard.edu (Eric K. Olson) writes:

>By the way: yes, I would be more inclined to get into Ham
>if I didn't have to learn Morse (I actually want to use packet

[stuff deleted]

>I keep thinking of situations where knowing Morse
>would be useful:
>
>1) If I'm ever thrown in prison, I can communicate secret
>   messages with the other inmate who knows Morse.
>2) If I'm in a plane with the radio out, I could communicate
>   to the tower by flashing the plane's lights-- assuming
>   someone in the tower knows Morse.
>3) After a nuclear war (when all our electronics will have
>   been wiped out by the EMP), I having a fighting chance of
>   building a Morse-code-only radio (can you say, "spark gap?").
>4) I like knowing obscure things.

In the movie "Young Edison", Edison saves the day by using a train
whistle to signal another train approaching a blown up bridge
that the bridge was out. It turned out that his sister was on
the other train and also knew the "code". She heard her "call",
copied the message (in her head) and told the conductor to pull
the brake line.

Come on, people, if these kids back in those pre-lightbulb
days could do morse, then why can't we today?
>
>Please take these last comments as tongue-in-cheek, humorous
>ramblings of a deranged person and don't pick me apart.
>
>P.S. One final question: What is the minimum license needed
>to do packet radio?

Novice or Tech will do it.
Lots of packet on 2 meters. Thats available to techs, but
not Novices. Novices can get on 220 mhz, 1.2 ghz and 10 meters.
On 220 there are packet bbs' here in california. In fact the
bbs that I use is tied up alot on 2 meters but usually open
on 220. Don't know if there is much packet on 1.2ghz. On 10
meters you can run packet too. On 10 you can also run RTTY
and AMTOR. (I think this is correct.) Those modes are a blast,
especially when working DX. The novice license really is
quite useful.

>I know I can pass Novice, and probably
>Technician (but not anything with a higher code rate, *sigh*).

I know what you mean. After getting my tech I worked some
BBSs, then went for the 13wpm code so I could get on HF and
work amtor and rtty on 20 meters.

Jeff Crilly (N6ZFX)
AMIX Corporation 2345 Yale Street Palo Alto, CA 94306
jeff@amix.com, {uunet,sun}!markets!jeff, N6ZFX@N6IIU.#NOCAL.CA.USA

From -823891881104239814
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f67a5452862d8cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-10 08:09:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!think.com!sdd.hp.com!zaphod.mps.ohio-state.edu!swrinde!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: DSPer's Work Bench ?
Message-ID: <22628@ucsd.Edu>
Date: 10 Nov 90 16:09:35 GMT
References: <7880353@hpfcdc.HP.COM>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 67
Posted: Sat Nov 10 17:09:35 1990

In article <7880353@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>What I know of DSPs would fit on an index card. How do laymen discover
>how to use this technology, or is it only for the wizards at Bellcore :-) ?
>Is there a "DSPers Workbench" ? Are there plug-in cards for my PC ?
>Are DSPs as easy to program as Apple][Basic ? Do I need a Ph.D.EE to
>use one effectively :-) ?

There have been DSP kits, and the chips themselves aren't that hard to wire up with a handful of glue I'm told, but most significant is that there will soon be some nice DSP-on-a-PC plug-in cards. AEA and LLGrace are promising one Real Soon Now, and so is TAPR. Each of these is (as I understand it) designed to take the audio output of your receiver and do DSP magic on it. They'll come with some programs to make them act like various kinds of modems, and I'll bet there's a nice subroutine library you can use to make you own.

What I know about DSP is only slightly more than will fit on an index card, but I gained it by going to the library and reading up on it. A pleasant afternoon spent amongst the dusty volumes of knowledge, as it were. When the kits arrive, I'll learn more.

(Warning: gross oversimplifications follow! Those of you who do this for a living just grit your teeth unless I make a real clanger.)

So what's it doing? Well, say perhaps that every 8,000 times a second you measure the voltage coming out of your microphone, then scale that amount into a number between 0 and 255. At the other end, you reverse the process and turn the number into a voltage. That's just simple Analog/Digital/Analog conversion. Your phone and CD player do more than this.

So apply a little bit of DSP cleverness to it: By applying a mathematical formula (a transform) to the stream of numbers, you can convert the numbers from being amplitude-per-unit-time to being amplitude-per-frequency. Then you throw away all the numbers representing frequencies below 300 Hz and above 3,000 Hz, apply the reverse process (an inverse transform), and you've filtered the audio to 300 to 3000 digitally. (There are other ways to do this, of course, but that one's easy to visualize.)

Now say you'd wanted to apply 6db/octave deemphasis while you were at it. All you'd have to do is divide the values in the frequency domain (that's what you got when you applied the Fourier transform) by a number that doubled every time you doubled the frequency.

Sure, it takes some pretty heavy computing - but that's what the chips do for you - it's not like you were entering the numbers into a desk calculator, after all.

Now think about this: you're trying to pick a real weak signal (say, some moonbounce packet) out of noise. Because the signal is digitally created, you know its rate (say it's 1200 baud). Well, you just sample the incoming signal at that rate (or a convenient multiple of it), and look for something that periodically recurs. The noise is essentially random, the man-made signal isn't, so you can just take everything that doesn't correlate with the right rate and pitch it. What you've got left is the proper signal. You can even do this when the noise has peaks that are greater than the desired signal, since you are not discarding them based not on strength, but on periodicity. And if the digital code has any sort of redundancy, you may even be able to restore the bits that were blasted out of existence by the noise peaks. With enough redundancy, you can accurately recover a signal that's completely inaudible to the human ear.

DSP in a nutshell? No, not even. But maybe I've whetted your curiosity?
Check out the library! Even the Handbook has some info on DSP.
     - Brian

From -4236068386842639470
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-10 08:18:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!know!sdd.hp.com!
elroy.jpl.nasa.gov!zardoz.cpd.com!dhw68k!emmayche
From: emmayche@dhw68k.cts.com (Mark Hartman)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov10.161857.17982@dhw68k.cts.com>
Date: 10 Nov 90 16:18:57 GMT
References: <1990Nov7.174742.10452@xanadu.com>
<1990Nov7.193636.6354@swbatl.sbc.com> <58009@unix.cis.pitt.edu>
Organization: Wolfskill & Dowling residence; Anaheim, CA (USA)

```
Lines: 27
Posted: Sat Nov 10 17:18:57 1990

In article <58009@unix.cis.pitt.edu> hpb@unix.cis.pitt.edu (Harry P Bloomberg)
writes:
>In article <1990Nov7.193636.6354@swbatl.sbc.com> ken@swbatl.sbc.com (Ken Gianino
5-9081) writes:
>>
>>  This is a test.  I have figured out how to use the global KILL file.
>>  I will never read another "code" or "cw" posting again.
>
>   Great!  Could you please post it to the net?  I'm sure that there's many
>others who are not unix wizards who would also like to know how to do this.
>Let the muttonheads argue among themselves and leave the rest of us alone!
>
>73,
>Harry Bloomberg
>hpb@hpb.cis.pitt.edu or
>hpb@vms.cis.pitt.edu

You realize, of course, that since you left the words "code" and "CW" in the
title, that this person (Harry) will not see your reply...?


Mark Hartman/N6BMO



--
------------
Mark Hartman
uucp: ...{spsd,zardoz,felix}!dhw68k!emmayche  Internet:emmayche@dhw68k.cts.com
CompuServe: >internet:emmayche@dhw68k.cts.com Applelink: N1083


From 16588009907392502 88
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac4d8fb542de7755
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-10 09:24:12 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!
decwrl!infopiz!lupine!hansen!phil
From: phil@hansen.Berkeley.EDU (Phil Graham)
Newsgroups: rec.ham-radio
Subject: Re: Repeater antennas (Diamond?)
Message-ID: <2517@lupine.NCD.COM>
Date: 10 Nov 90 17:24:12 GMT
References: <32491@netnews.upenn.edu>
Sender: news@NCD.COM
Reply-To: phil@hansen.Berkeley.EDU (Phil Graham)
Lines: 35
Posted: Sat Nov 10 18:24:12 1990

In article <32491@netnews.upenn.edu>, depolo@eniac.seas.upenn.edu (Jeff
DePolo) writes:
|>
|> Has anyone had any experiences, good or bad, with Diamond antennas for
|> repeater use?  The repeater is on 440, and from what I can tell in
|> the Diamond catalog, the only 440 antennas they make are actually
|> dual band (2 and 440), but seem to have excellent specs considering
|> the cost when compared to other commercial antennas.
|>
|> Any other budget-minded suggestions for repeater antennas? Stacked dipoles,
|> homebrew multiple 1/2 wave element collinears, and G6's have already been
|> thought of.
|>
|> Also, anyone know of a good source of fiberglass tubing for vertical
|> collinear homebrewing?

I own two Diamond antennas for my personal shack use and I love them.
As a trustee for a local repeater, we considered new antenna
alternatives.  We did not choose Diamond because they would have to be
modified for repeater use.
We did not consider mechanical strength or other factors...  We did not
get that far.  The problem with the Diamond or any antenna designed for
the "normal" ham is that they do not have a significant amount of down-tilt.

Down-tilt is a term decribing the antennas radiation pattern down rather
than up.  The problem is that most repeaters are mounted on a tall
tower, hill or mountain.  If the antenna's radiation pattern does not
focus some of the energy down the hill then you could have trouble
hearing or activating the repeater when you are under this envelope.

I think this is the most common repeater design failure.

Good Luck,
Phil
KJ6NN


From 5223321118425901053
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2727a9d062ad7fe3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-10 11:19:14 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!
ucbvax!blackbird.afit.af.mil!tkelso
From: tkelso@blackbird.afit.af.mil (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9011101919.AA10173@blackbird.afit.af.mil>
Date: 10 Nov 90 19:19:14 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 489
Posted: Sat Nov 10 20:19:14 1990
```

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #769 -
Alouette 1
1 00424U 62B-A  1 90297.12181902  .00000242  00000-0  28031-3 0  3451
2 00424  80.4648 158.9603 0023114 303.7491  56.1455 13.67405298400311
ATS 3
1 03029U 67111  A 90310.22246658 -.00000075  00000-0  99999-4 0  4715
2 03029  13.3823  19.9996 0017217 211.2983 148.5681  1.00272623 84214
Cosmos 398
1 04966U 71 16  A 90312.42614289  .00080940  18363-4  41555-3 0  2308
2 04966  51.5060 230.8962 2180187  63.7964 317.0356 11.26156589607794
Starlette
1 07646U 75010  A 90309.06339185  .00000009  00000-0  54872-4 0  1724
2 07646  49.8255 322.6008 0205755 296.2313  61.7560 13.82145498795268
LAGEOS
1 08820U 76039  A 90308.25786082  .00000004  00000-0  00000 0 0  1716
2 08820 109.8641  43.1002 0044610 208.5852 151.2379  6.38664478 82880
GOES 2
1 10061U 77048  A 90307.22022354 -.00000258  00000-0  99999-4 0  5220
2 10061   8.4055  61.8818 0016382  14.2241 345.8386  1.00278400 50406
GPS-0001
1 10684U 78020  A 90308.54512947  .00000006  00000-0  99999-4 0  5714
2 10684  63.7864  85.2277 0123185 197.6363 161.9215  2.00555705 78662
GPS-0002
1 10893U 78 47  A 90310.02803457 -.00000023  00000-0  00000 0 0  2728
2 10893  64.3337 326.0107 0170376  23.7191 337.0955  2.00539873 91510
GOES 3
1 10953U 78062  A 90311.53403423  .00000109  00000-0  99999-4 0    01
2 10953   7.2783  64.5593 0012068  71.6494 288.4071  1.00263294  6358
SeaSat 1
1 10967U 78064  A 90311.84219519  .00001064  00000-0  40873-3 0  4251
2 10967 108.0130 256.6911 0002952 308.8761  51.2096 14.35984687647071
GPS-0003
1 11054U 78093  A 90310.29587495 -.00000023  00000-0  00000 0 0  3225
2 11054  63.8470 322.2268 0061243 119.9201 240.7114  2.00569752 88534
Nimbus 7
1 11080U 78098  A 90311.22001831  .00000096  00000-0  11614-3 0  7217
2 11080  99.1804 212.7985 0009735  62.7838 297.4304 13.83472282607816
GPS-0004
1 11141U 78112  A 90311.40281552  .00000006  00000-0  00000 0 0   747
2 11141  63.7919  85.0035 0058374 314.3269  45.2056  2.00551719 87255
GPS-0005
1 11690U 80 11  A 90309.54906224  .00000007  00000-0  00000 0 0   728
2 11690  64.2584  87.2230 0120295 201.9474 157.5153  2.00553413 93075
GPS-0006
1 11783U 80 32  A 90312.34651939 -.00000023  00000-0  99999-4 0  2761
```

```
2 11783  63.6461 321.6957 0150718  59.7194 301.6729  2.00560870 77211
GOES 5
1 12472U 81049  A 90310.39745727  .00000014  00000-0  99999-4 0  9988
2 12472   3.8159  73.7388 0000578 184.9159 174.9353  1.00206370 33655
SME
1 12887U 81100  A 90313.11489322  .00085190  00000-0  82572-3 0  9295
2 12887  97.6100  10.5905 0002596 155.5991 204.5639 15.66098848503820
Salyut 7
1 13138U 82 33  A 90312.77545658  .00109241  00000-0  53365-3 0  6342
2 13138  51.6009 284.4764 0003943  81.2079 278.9937 15.81480051487580
Cosmos 1383
1 13301U 82 66  A 90305.18405170  .00000132  00000-0  14297-3 0  6059
2 13301  82.9327 200.3619 0027655 140.4182 219.8991 13.67857717416403
LandSat 4
1 13367U 82 72  A 90313.15636454  .00000599  00000-0  14281-3 0  5728
2 13367  98.1463  12.7021 0004740  55.0614 305.0984 14.57149351442416
IRAS
1 13777U 83  4  A 90311.40673496  .00000396  00000-0  29875-3 0  8725
2 13777  99.0171 145.9489 0013326 357.3865   2.7226 13.98839557 66960
Cosmos 1447
1 13916U 83 21  A 90303.05457697  .00000154  00000-0  15111-3 0  7453
2 13916  82.9423 272.3464 0039086 122.0581 238.4380 13.74072627381192
TDRS 1
1 13969U 83 26  B 90310.52656610  .00000129  00000-0  99999-4 0  1747
2 13969   4.8139  64.5164 0003687 167.9312 191.9241  1.00278554   777
GOES 6
1 14050U 83 41  A 90309.46227494  .00000110  00000-0  99999-4 0  3226
2 14050   2.5827  76.4366 0003900 204.7437 155.0260  1.00288330  1563
OSCAR 10
1 14129U 83 58  B 90311.38885312  .00000013  00000-0  00000 0 0  6218
2 14129  26.0154 176.3254 5958797 190.4011 147.4868  2.05880027 27684
GPS-0008
1 14189U 83 72  A 90312.28060599  .00000005  00000-0  99999-4 0  8732
2 14189  63.4323  83.3524 0145126 221.7913 137.0820  2.00568827 53653
LandSat 5
1 14780U 84 21  A 90313.18601690  .00000785  00000-0  18405-3 0  4280
2 14780  98.1855  10.9603 0002435 116.8002 243.3453 14.57103249355833
UoSat 2
1 14781U 84 21  B 90312.00369695  .00001405  00000-0  26561-3 0  8744
2 14781  97.9329 359.7518 0012603 147.4844 212.7119 14.65848691357037
GPS-0009
1 15039U 84 59  A 90310.45786409  .00000004  00000-0  00000 0 0  1254
2 15039  63.1756  82.5593 0023820 223.2559 136.5396  2.00567600 46899
Cosmos 1574
1 15055U 84 62  A 90306.99309868  .00000122  00000-0  11954-3 0  9961
2 15055  82.9557 319.9907 0026344 299.5820  60.2713 13.73387408319125
GPS-0010
1 15271U 84 97  A 90300.42785139 -.00000023  00000-0  00000 0 0  9114
2 15271  63.1496 321.5667 0108641 328.1464  31.2553  2.00560843 43807
Cosmos 1602
1 15331U 84105  A 90311.82861483  .00001996  00000-0  26764-3 0  4230
2 15331  82.5369 227.7069 0021042 219.2967 140.6718 14.78788002329316
NOAA 9
```

```
1 15427U 84123  A 90309.99194494  .00000366  00000-0  21861-3 0  6710
2 15427  99.1737 313.1716 0014883 334.6439  25.4011 14.12719327304002
Cosmos 1686
1 16095U 85 86  A 90312.77545721  .00092676  00000-0  45427-3 0  8276
2 16095  51.5947 284.4839 0003391  85.2190 274.9951 15.81475158487587
GPS-0011
1 16129U 85 93  A 90311.61591894  .00000005  00000-0  00000 0 0  6778
2 16129  63.9562  83.6160 0124740 148.1716 212.5833  2.00564021 37231
Mir
1 16609U 86 17  A 90312.65383912  .00032653  00000-0  40275-3 0   841
2 16609  51.6112 322.8233 0030354 230.8306 129.0480 15.59313453270664
SPOT 1
1 16613U 86 19  A 90311.24940553  .00000610  00000-0  30471-3 0  1770
2 16613  98.7203  23.7446 0001546 113.7487 246.3852 14.20016901 84232
Cosmos 1766
1 16881U 86 55  A 90313.02522208  .00003825  00000-0  52156-3 0  2279
2 16881  82.5182 285.4848 0019516 233.5003 126.4316 14.78329737230547
EGP
1 16908U 86 61  A 90308.06930136 -.00000008  00000-0  24636-3 0  3226
2 16908  50.0073 185.9661 0011286 189.9705 170.0907 12.44390180192271
NOAA 10
1 16969U 86 73  A 90311.08270537  .00000399  00000-0  19087-3 0  5222
2 16969  98.5869 335.7658 0012842 211.4753 148.5658 14.23787462214946
MOS-1
1 17527U 87 18  A 90312.67888037  .00000119  00000-0  11370-3 0  7217
2 17527  99.0958  23.2895 0001277  98.1558 261.9196 13.94858461189401
GOES 7
1 17561U 87 22  A 90309.15929025 -.00000067  00000-0  99999-4 0  6724
2 17561   0.0656 144.3722 0030406 138.3747  76.9262  1.00202240  6984
Kvant-1
1 17845U 87 30  A 90312.39747762  .00053525  00000-0  65387-3 0  3786
2 17845  51.6124 324.1038 0030685 232.3128 127.5259 15.59318537205353
DMSP B5D2-3
1 18123U 87 53  A 90313.17179948  .00000172  00000-0  99999-4 0  7740
2 18123  98.8110 141.8305 0014032 333.6167  26.4294 14.14208392174895
RS-10/11
1 18129U 87 54  A 90312.98956630 -.00000531  00000-0 -59069-3 0  4253
2 18129  82.9269 221.5325 0013218  79.6407 280.6181 13.72120722169309
Meteor 2-16
1 18312U 87 68  A 90307.02179524  .00000219  00000-0  18868-3 0  5715
2 18312  82.5593 180.2594 0010977 220.7038 139.3302 13.83697306162189
Meteor 2-17
1 18820U 88  5  A 90308.26753517  .00000225  00000-0  19108-3 0  4228
2 18820  82.5428 239.0875 0015421 295.0509  64.9051 13.84385969139562
DMSP B5D2-4
1 18822U 88  6  A 90313.12731673  .00000426  00000-0  21117-3 0  7219
2 18822  98.6230 189.0016 0006018 205.6769 154.4111 14.21621910143413
Glonass 34
1 19163U 88 43  A 90311.73969443  .00000020  00000-0  99999-4 0   770
2 19163  64.9163 154.3146 0007129 181.3850 178.6701  2.13102533 19202
Glonass 36
1 19165U 88 43  C 90312.26599936  .00000020  00000-0  99999-4 0   788
2 19165  64.8986 154.2995 0003429 346.7333  13.3145  2.13102720 19215
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1 19216U 88 51  B 90307.48932688 -.00000145  00000-0  99999-4 0  2227
2 19216  56.9189 127.7311 7058799 239.4414  33.6795  2.09703007 18328
OKEAN 1
1 19274U 88 56  A 90308.00100154  .00002011  00000-0  27715-3 0  9978
2 19274  82.5188  28.8499 0022496  30.0465 330.2117 14.77618985125560
Meteor 3-2
1 19336U 88 64  A 90306.69468626  .00000069  00000-0  16153-3 0  6714
2 19336  82.5472 179.4423 0017637 331.4392  28.5765 13.16904674109184
Glonass 39
1 19503U 88 85  C 90312.28557474 -.00000016  00000-0  99999-4 0  9755
2 19503  65.3728  33.7551 0006556 190.0291 169.9948  2.13103467 16706
NOAA 11
1 19531U 88 89  A 90308.36038558  .00000728  00000-0  41996-3 0  4242
2 19531  98.9997 256.9354 0011369 248.1858 111.8071 14.11779697108743
TDRS 2
1 19548U 88 91  B 90293.40456092  .00000114  00000-0  99999-4 0  1577
2 19548   0.4230  82.4081 0002990 141.3999 135.9901  1.00275590  1511
Glonass 40
1 19749U 89  1  A 90312.32662028  .00000020  00000-0  99999-4 0  7788
2 19749  64.8557 153.9657 0004968 274.2755  85.7254  2.13102158 14236
Glonass 41
1 19750U 89  1  B 90311.91560674  .00000020  00000-0  99999-4 0  8295
2 19750  64.8730 154.0060 0004858 243.6333 116.3805  2.13102489 14220
GPS BII-01
1 19802U 89 13  A 90307.50012030  .00000016  00000-0  99999-4 0  2259
2 19802  55.0442 191.8907 0053273 161.8403 198.4158  2.00550719 12547
Akebono
1 19822U 89 16  A 90312.98312717  .00023679  00000-0  16091-2 0  8297
2 19822  75.0824 167.5593 4139198 129.0103 275.8742  7.17766480 10177
Meteor 2-18
1 19851U 89 18  A 90312.90273519  .00000191  00000-0  16196-3 0  3723
2 19851  82.5154 113.1673 0014493 325.4266  34.5937 13.84023415 85580
MOP-1
1 19876U 89 20  B 90309.87822950  .00000020  00000-0  99999-4 0  1715
2 19876   0.0696 240.9900 0003781 209.4564 269.9567  1.00274378  2083
TDRS 3
1 19883U 89 21  B 90285.05717295 -.00000236  00000-0  99999-4 0  1576
2 19883   0.4476  83.4923 0002993 155.4629 121.0385  1.00265607 76062
GPS BII-02
1 20061U 89 44  A 90294.36031910 -.00000033  00000-0  99999-4 0  1562
2 20061  54.8191  10.6946 0091283 178.5190 181.6270  2.00481862 10028
Nadezhda 1
1 20103U 89 50  A 90306.71767382  .00000144  00000-0  14190-3 0  2717
2 20103  82.9611 182.8786 0039292  13.1675 347.0488 13.73622917 66730
GPS BII-03
1 20185U 89 64  A 90259.31961858  .00000016  00000-0  99999-4 0  1458
2 20185  54.9361 194.7111 0023376 150.4514 209.6604  2.00581297  7896
GPS BII-04
1 20302U 89 85  A 90283.19625304 -.00000044  00000-0 -58444 2 0  1425
2 20302  54.5568 312.3734 0033368 315.2506  44.5297  2.00366014  7178
Meteor 3-3
1 20305U 89 86  A 90306.98357042  .00000031  00000-0  68631-4 0  2712
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2 20305  82.5538 120.1314 0016483 345.8709  14.1964 13.15866439 49209
COBE
1 20322U 89 89  A 90310.56995045 -.00000016  00000-0  95919-6 0  2247
2 20322  99.0241 319.4818 0008752 340.4051  19.6765 14.02908704 49450
Kvant-2
1 20335U 89 93  A 90312.65377318  .00088402  00000-0  10779-2 0  4776
2 20335  51.6190 322.8214 0026008 229.8392 129.6148 15.59322720 54321
GPS BII-05
1 20361U 89 97  A 90290.77394681  .00000014  00000-0  99999-4 0   928
2 20361  54.9776 135.4633 0063087  56.8263 303.8533  2.00587873  6181
SPOT 2
1 20436U 90  5  A 90311.00298352  .00000476  00000-0  24135-3 0  4239
2 20436  98.7220  23.5698 0000860  89.6458 270.4737 14.20017065 41014
UO-14
1 20437U 90  5  B 90310.69460161  .00000544  00000-0  23203-3 0  2737
2 20437  98.6899  26.3131 0011875  95.9099 264.3412 14.28777691 41218
UO-15
1 20438U 90  5  C 90308.22446535  .00000251  00000-0  11631-3 0  1728
2 20438  98.6914  23.8086 0011034 103.1659 257.0758 14.28470811 40854
PACSAT
1 20439U 90  5  D 90311.09432481  .00000426  00000-0  18497-3 0  1724
2 20439  98.6948  26.9039 0012417  95.0728 265.1867 14.28876195 41279
DO-17
1 20440U 90  5  E 90310.66527139  .00000496  00000-0  21215-3 0  1722
2 20440  98.6946  26.4969 0012621  96.8764 263.3834 14.28932206 41216
WO-18
1 20441U 90  5  F 90312.11569607  .00000391  00000-0  17067-3 0  1736
2 20441  98.6941  27.9767 0013294  93.6842 266.5860 14.29015597 41426
LO-19
1 20442U 90  5  G 90309.65116187  .00000493  00000-0  21015-3 0  1723
2 20442  98.6933  25.5523 0013315  99.6043 260.6624 14.29086341 41074
GPS BII-06
1 20452U 90  8  A 90231.96552739  .00000002  00000-0  99999-4 0   858
2 20452  54.5203 253.3822 0028572  40.8909 319.3724  2.00872044  4126
MOS-1B
1 20478U 90 13  A 90312.63791638  .00000539  00000-0  42698-3 0  4716
2 20478  99.1762  22.1485 0001048  62.9032 297.3429 13.94834801 38271
DEBUT
1 20479U 90 13  B 90311.55482641  .00000030  00000-0  96772-4 0  1714
2 20479  99.0257 330.9094 0541485  83.7638 282.4833 12.83163935 35139
FO-20
1 20480U 90 13  C 90296.97855528  .00000077  00000-0  22052-3 0  1082
2 20480  99.0259 319.1034 0541648 116.8206 248.9305 12.83151877 33261
MOS-1B R/B
1 20491U 90 13  D 90311.59463366  .00000556  00000-0  10934-2 0  1712
2 20491  99.0275 338.6365 0471413  55.2498 309.2060 13.02778763 35076
LACE
1 20496U 90 15  A 90312.46496225  .00007498  00000-0  43389-3 0  3294
2 20496  43.0958 249.0565 0015993 178.8293 181.2598 15.12545803 40437
RME
1 20497U 90 15  B 90312.62568674  .00012306  00000-0  30839-3 0  3752
2 20497  43.1059 190.3306 0018899 215.3162 144.6728 15.39841274 41071
Nadezhda 2
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1 20508U 90 17  A 90306.52156307  .00000097  00000-0  97626-4 0  2217
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OKEAN 2
1 20510U 90 18  A 90312.09968196  .00000926  00000-0  13831-3 0  3720
2 20510  82.5245 325.1448 0020179 162.2293 197.9226 14.73707935 37267
INTELSAT-6
1 20523U 90 21  A 90312.93948254  .00004134  00000-0  28521-3 0  3754
2 20523  28.3427  34.7847 0015640 294.0131  65.9912 15.03141297 36249
GPS BII-07
1 20533U 90 25  A 90294.05687607 -.00000033  00000-0  00000 0 0   630
2 20533  55.1450  10.8449 0034235 102.6965 257.7562  2.00556242  4124
PegSat
1 20546U 90 28  A 90312.37796794  .00007040  00000-0  41568-3 0  3276
2 20546  94.1230 291.7962 0145263 171.5371 188.8546 15.03047141 31729
HST
1 20580U 90 37  B 90312.61189795  .00004882  00000-0  53771-3 0  3278
2 20580  28.4715  50.1860 0006172 184.0423 176.0412 14.85441208 29461
Glonass 44
1 20619U 90 45  A 90312.22780464 -.00000017  00000-0  99999-4 0  2748
2 20619  64.9706  34.0211 0024044 213.0871 146.8032  2.13103149  3695
Glonass 45
1 20620U 90 45  B 90312.34566504 -.00000017  00000-0  99999-4 0  2773
2 20620  64.9690  34.0116 0005837  39.4177 320.6651  2.13102920  3708
Glonass 46
1 20621U 90 45  C 90311.93495244 -.00000017  00000-0  99999-4 0  2264
2 20621  64.9804  34.0372 0014413 203.6502 156.3293  2.13102579  3691
Kristall
1 20635U 90 48  A 90312.46154918  .00053477  00000-0  65387-3 0  2777
2 20635  51.6114 323.7930 0030157 230.8031 128.9329 15.59318395 25174
ROSAT
1 20638U 90 49  A 90313.02337551  .00001897  00000-0  17762-3 0  1244
2 20638  52.9872 127.4130 0015699  60.7876 299.4697 14.98703405 23996
Meteor 2-19
1 20670U 90 57  A 90307.04575456  .00000229  00000-0  19684-3 0  1212
2 20670  82.5504 178.4517 0014597 260.3393  99.6097 13.83874334 17727
BADR-1
1 20685U 90 59  A 90313.00540081  .00570420 -31889-4  54496-3 0  1780
2 20685  28.4873 240.1860 0273713 323.0758  35.3074 15.65600162 17683
CRRES
1 20712U 90 65  A 90303.38280985  .00000725  00000-0  93254-3 0   722
2 20712  18.2079   7.7719 7118602 272.9853  14.9566  2.43509942  2363
Soyuz TM-10
1 20722U 90 67  A 90312.52563483  .00053416  00000-0  65387-3 0  1775
2 20722  51.6120 323.4675 0029578 230.6940 129.0180 15.59309106 15483
GPS BII-08
1 20724U 90 68  A 90294.90287514  .00000016  00000-0  99999-4 0   210
2 20724  54.6613 191.1540 0095547 118.2276 242.8347  2.00563041  1585
Feng Yun1-2
1 20788U 90 81  A 90312.59620739  .00000277  00000-0  20986-3 0   725
2 20788  98.9351 345.8083 0010873  80.5839 279.6299 14.00566807  9320
Progress M5
1 20824U 90 85  A 90312.46155968  .00048753  00000-0  59634-3 0  1277
2 20824  51.6146 323.7916 0030864 230.5355 129.2700 15.59319308  6568
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Meteor 2-20
1 20826U 90 86  A 90307.03366330  .00000097  00000-0  83687-4 0   717
2 20826  82.5257 117.7520 0012779 148.8067 211.3853 13.83234528  4941
GPS BII-09
1 20830U 90 88  A 90304.91253604  .00000014  00000-0  99999-4 0   146
2 20830  54.8955 133.1703 0078817 116.3747 244.5072  2.00565939   866
1978 100AX
1 20834U 78100 AX 90312.46865052  .00007766  00000-0  23174-2 0   776
2 20834  82.5567 129.8867 1165114 352.1703   6.2420 12.63753354 12807
1974 060F
1 20836U 74 60  F 90309.73646826 -.00000175  00000-0  99999-4 0   746
2 20836  11.9635  39.4256 0021649 202.4387 157.3954  1.00181844  2466
1981 057F
1 20837U 81 57  F 90300.98258313  .00000047  00000-0  99999-4 0    83
2 20837   7.4260  66.0713 0129626 198.7258 161.6099  0.99374850   591
1990 091A
1 20872U 90 91  A 90312.13907943 -.00000111  00000-0  99999-4 0   713
2 20872   0.1191 279.1861 0015305  35.8441  45.0887  1.00268392   289
1990 091B
1 20873U 90 91  B 90301.15201296 -.00000148  00000-0  99999-4 0   149
2 20873   0.1093 286.2638 0000623  27.9291  45.8910  1.00274071   202
1990 091C
1 20874U 90 91  C 90311.98301220  .00004767  00000-0  31200-2 0   756
2 20874   7.3338 169.9282 7325928 198.8705 102.8596  2.20355746   575
1990 091D
1 20875U 90 91  D 90307.01997141  .00080223  00000-0  89105-2 0   768
2 20875   7.1069 170.8283 7307220 196.4564 118.0471  2.26907810   470
1990 081AL
1 20876U          90311.07968503  .00002218  00000-0  13536-2 0   731
2 20876  98.9357 344.5868 0027156 333.2424  26.7289 14.06659213  9129
1990 081AM
1 20877U 90081 AM 90312.54422267  .00002487  00000-0  15527-2 0   779
2 20877  98.9274 346.1052 0045488  66.2027 294.3833 14.04992339  4772
1990 081AN
1 20878U 90081 AN 90311.10324690  .00001074  00000-0  71381-3 0   718
2 20878  98.9227 344.5301 0042757  85.2359 275.3690 14.02640344  4566
1990 081AP
1 20879U 90081 AP 90313.09150871  .00001802  00000-0  16526-2 0   771
2 20879  98.9697 344.6851 0127518 141.7932 219.2298 13.80300174  4765
1990 081AQ
1 20880U 90081 AQ 90311.31336447  .00006176  00000-0  18601-2 0   787
2 20880  98.9315 346.4659 0157290 355.6298   4.3496 14.35992511  4701
1990 081AR
1 20881U 90081 AR 90311.04377671  .00001511  00000-0  96228-3 0   737
2 20881  98.9683 343.9110 0108318  89.8018 271.5538 14.02148956  4555
1990 081AS
1 20882U 90081 AS 90312.99187256  .00004208  00000-0  22538-2 0   773
2 20882  98.9331 346.8464 0053233  11.8801 348.3593 14.12811011  4868
1990 081AT
1 20883U 90081 AT 90312.50425263  .00002033  00000-0  13130-2 0   754
2 20883  98.9397 345.7757 0019265  55.4373 304.8566 14.03695354  4765
1990 081AU
1 20884U 90081 AU 90308.03186187  .00001670  00000-0  13024-2 0   733
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2 20884  98.9229 341.0758 0045170 171.3142 188.8821 13.92879437  4101
1990 081AV
1 20885U 90081 AV 90311.54983248  .00000335  00000-0  30885-3 0   739
2 20885  98.9247 344.1143 0069189 179.4093 180.7155 13.86964763  4576
1990 081AW
1 20886U 90081 AW 90311.09009399  .00000447  00000-0  61896-3 0   725
2 20886  98.9935 340.8656 0257657 176.9871 183.2890 13.48950337  4358
1990 081AX
1 20887U 90081 AX 90312.13422672  .00001708  00000-0  10375-2 0   754
2 20887  98.9345 345.6744 0031784  30.8723 329.4227 14.07162596  4682
1990 081AY
1 20888U 90081 AY 90312.56727202  .00003720  00000-0  26693-2 0   766
2 20888  98.9234 344.4862 0324437 249.8225 106.7757 13.75245697  4689
1990 081AZ
1 20889U 90081 AZ 90311.56751670  .00000968  00000-0  83529-3 0   732
2 20889  98.9344 343.9914 0096637 224.0943 135.2464 13.86248021  4547
1990 081BA
1 20890U 90081 BA 90312.04338934  .00000177  00000-0  13881-3 0   716
2 20890  98.9277 345.4057 0015063  76.2389 284.0441 14.02064116  4654
1990 081BB
1 20891U 90081 BB 90309.58401136  .00000549  00000-0  66432-3 0   721
2 20891  99.0057 339.8746 0225138 164.7575 196.0483 13.59386939  4188
1990 081BC
1 20892U 90081 BC 90312.03869155  .00001528  00000-0  17282-2 0   754
2 20892  98.9597 342.9474 0188783 203.9675 155.2537 13.64224399  4498
1990 081BD
1 20893U 90081 BD 90312.09201314  .00003324  00000-0  21575-2 0   732
2 20893  98.9337 345.3729 0006183  39.0005 321.1592 14.03124662  4636
1990 081BE
1 20894U 90081 BE 90313.05161077  .00001430  00000-0  86826-3 0   750
2 20894  98.9378 346.5618 0027924 353.5941   6.4766 14.07432724  4755
1990 081BF
1 20895U 90081 BF 90310.01122159  .00002721  00000-0  15556-2 0   746
2 20895  98.9425 343.6179 0038913  17.9812 342.2725 14.09881912  4336
1990 081BG
1 20896U 90081 BG 90310.02789244  .00007488  00000-0  42928-2 0   728
2 20896  98.9346 343.7318 0032375  13.6025 346.5984 14.09340791  4328
1990 081BH
1 20897U 90081 BH 90311.09337926  .00013135  00000-0  35266-2 0   759
2 20897  98.9278 346.4895 0172411   3.2541 356.9654 14.39753582  4572
1990 081BJ
1 20898U 90081 BJ 90313.01586516  .00002688  00000-0  13847-2 0   724
2 20898  98.9254 347.0727 0070971 321.8965  37.7181 14.14613630  4778
1990 081BK
1 20899U 90081 BK 90311.99441126  .00002335  00000-0  16577-2 0   785
2 20899  98.9437 345.0168 0015681 201.8379 158.1945 13.98296264  4577
1990 081BL
1 20900U 90081 BL 90312.08136586  .00002898  00000-0  24677-2 0   740
2 20900  98.9010 344.8109 0089205 147.5696 213.0970 13.86002066  4548
1990 081BM
1 20901U 90081 BM 90309.55567932  .00003223  00000-0  15624-2 0   747
2 20901  98.9286 343.7111 0075878 349.8979  10.0009 14.17548395  4292
1990 081BN
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1 20902U 90081 BN 90313.04229878  .00001028  00000-0  95187-3 0   756
2 20902  98.9479 344.9788 0092565 184.8649 175.1555 13.82185805  4667
1990 081BP
1 20903U 90081 BP 90310.02558827  .00000567  00000-0  30503-3 0   737
2 20903  98.9079 344.2551 0066776  13.8473 346.4957 14.15396756  4313
1990 081BQ
1 20904U 90081 BQ 90311.99358943  .00002360  00000-0  14976-2 0   763
2 20904  98.9388 345.3329 0043072 283.5759  76.0357 14.04193410  4555
1990 081BR
1 20905U 90081 BR 90313.00767632  .00003682  00000-0  23656-2 0   759
2 20905  98.9327 346.3684 0009895 312.8331  47.1929 14.03597887  4842
1990 081BS
1 20906U 90081 BS 90309.57290157  .00000220  00000-0  23663-3 0   710
2 20906  98.9483 341.5178 0108672 191.4579 168.4093 13.78766447  3770
1990 081BT
1 20907U 90081 BT 90307.60971119  .00002404  00000-0  14866-2 0   739
2 20907  98.9364 341.0872 0020129  26.8481 333.3724 14.05953873  3448
1990 081BU
1 20908U 90081 BU 90313.02774355  .00807504  00000-0  18636 0 0   747
2 20908  98.9216 347.4825 0071810  52.1190 313.1638 14.48135174  3134
1990 092A
1 20909U 90 92  A 90312.93356195  .00971841  40844-4  28188-3 0   878
2 20909  62.8400 167.5535 0094030  64.0716 297.7726 16.16147330  3739
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1 20911U 89100  U 90312.99085151  .01458803  00000-0  15367-1 0   885
2 20911  73.5154 138.9518 0005850 157.5510 202.6104 15.59425146 48118
1990 081BV
1 20912U 90 81 BV 90308.02698750  .00001493  00000-0  92458-3 0   729
2 20912  98.9377 341.5063 0022047  17.5833 342.6104 14.06364643  2608
1990 081BW
1 20913U 90 81 BW 90308.02662158  .00001174  00000-0  78077-3 0   720
2 20913  98.9703 340.8547 0115285 103.6762 257.7265 13.99752048  3253
1990 081BX
1 20914U 90 81 BX 90310.62517525  .00005602  00000-0  10265-2 0   754
2 20914  98.9469 346.4290 0227459 356.5474   3.4069 14.50841167  3714
1990 081BY
1 20915U 90 81 BY 90307.93887306  .00001184  00000-0  68049-3 0   713
2 20915  98.9278 341.7358 0043719  26.1381 334.1986 14.10472531  3687
1990 081BZ
1 20916U 90 81 BZ 90313.09021356  .00245002  00000-0  13863 0 0   767
2 20916  99.0509 346.9463 0080276 258.5484 100.6987 14.06407232  2682
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1 20918U 90 93  A 90308.29982638  .00000042  00000-0  99999-4 0   736
2 20918   2.7000 280.7680 0105900  99.0600 180.5720  0.99052461    00
1990 093B
1 20919U 90 93  B 90308.12291076  .00013600  00000-0  71062-3 0   721
2 20919  24.7543 174.5380 0556823 188.4759 170.5977 14.34560895   604
1990 093C
1 20920U 90 93  C 90312.74586913  .00040274  00000-0  41945-2 0   771
2 20920  23.5892 203.4150 7338204 178.4475 187.7756  2.23171718   207
1990 094A
1 20923U 90 94  A 90312.36489906 -.00000077  00000-0  99999-4 0    94
2 20923   1.4321 271.1249 0027912 229.5311 129.9808  0.99805186    68
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1990 094D
1 20926U 90 94  D 90308.37508237 -.00000294  00000-0  99999-4 0    26
2 20926   1.4905 270.0678 0032236 342.6371  17.5665  1.00915567    28
1990 094E
1 20927U 90 94  E 90312.94020161  .00001734  00000-0  19740-2 0    67
2 20927  47.3822 270.3880 7252222   1.4272 359.7192  2.27449197   151
1990 094F
1 20928U 90 94  F 90312.93147162  .00003994  00000-0  19176-2 0    50
2 20928  47.3360 270.3800 7271566   1.4247 359.7249  2.27852833   153
```

--

Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

From 1764210455922896714
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,34108faeaed27fdd,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,34108faeaed27fdd,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f5cc0,34108faeaed27fdd,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-11-10 12:05:38 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!shelby!rutgers!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.space
Subject: * SpaceNews 12-Nov-90 *
Keywords: Salyut-7, Pacsats, RS14, Ariane
Message-ID: <368@ka2qhd.UUCP>
Date: 10 Nov 90 20:05:38 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 136
Xref: gmdzi rec.ham-radio:16760 rec.ham-radio.packet:3031 sci.space:17397
Posted: Sat Nov 10 21:05:38 1990

SB SPACE @ ALLBBS < KD2BD $SPC1112
* SpaceNews 12-Nov-90 *

Bulletin ID: $SPC1112

=========
SpaceNews
=========

MONDAY NOVEMBER 12, 1990

SpaceNews originates at KD2BD in Wall Township, New Jersey, United States.
It is published every week and is made available for unlimited distribution.

* ARIANE LAUNCH *

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An Ariane launch on 20-Nov-90 will carry two spacecraft manufactured by GE Astro Space in New Jersey. The two satellites are Satcom C1 for GE American Communications and Gstar 4 for GTE Spacenet. Final launch preparations are taking place. The launch window will extend from 6:15 to 9:30 PM EST.

* PACSATs ON-LINE *

===================

The Packet Bulletin Board software which has been running in 'beta test' versions on UoSAT-OSCAR-14 since July has now been loaded to AO-16. This follows a period of intense development by Jeff Ward, G0/K8KA, and Harold Price, NK6K, getting software ready for hundreds of users expected to access AO-16 and UO-14.

The programs loaded to the satellites, when combined with several ground station client programs, implement the PACSAT communications protocols proposed by Jeff and Harold in papers presented at the recent ARRL Amateur Radio Computer Networking Conference. The protocols provide a connected-mode file transfer facility called FTL0 and a standard broadcast mode for bulletins and other items of general interest.

When someone is up or downloading in connected mode you will see packets from the FTL0 server callsign: PACSAT-0 (on AO-16) or UOSAT3-12 (on UO-14). Bulletins being broadcast will have source callsigns UOSAT3-11 or PACSAT-11. These packets may contain some ASCII text, although each will begin with a short binary header.

The PACSAT protocol suite requires special groundstation software to interpret binary headers and implement protocol handshakes. Papers in the 9th ARRL Networking Conference proceedings describe the protocols in detail. Software for ground stations with IBM-PC type computers will be made available free by UoS through dial-up bulletin boards and on-line information systems.

The release of the ground station software, expected around 8 or 9 November, will mark the official opening of UO-14 and AO-16 for communications by any suitably-equipped, licensed radio amateur. With LO-19 following shortly and FO-20 already providing service, the Amateur Satellite Service will soon have a useful and interesting network of store-and-forward satellites.

* SALYUT-7 NEWS *

=================

The presently unused and long abandoned Soviet space station 'Salyut-7' is tumbling uncontrollably and is predicted to re-enter the Earth's atmosphere in mid-January. Attempts to boost the 60 metric ton structure to a higher orbit have failed. Salyut-7 should produce quite a spectacular light show if it re-enters the atmosphere away from sunlight.

Here is element set 630 for Salyut-7 as released by NASA on 08-Nov-90:

Epoch   : 90 310.56350817
Incli   : 51.5998
RAAN   : 295.9675
Eccn   : 3.895E-04
ArgPer   : 71.5486
MeanAn   : 288.6002
MeanMo   : 15.81020057
Decay   : 8.7992E-04
Orbit # : 48723

* RS-14/RUDAK-2 NEWS *

Reliable sources within the Soviet Union indicate that the launch of RS-14/RUDAK-2 is now expected to happen on or about November 24, 1990. UA3CR requests the help of radio amateurs all over the world to collect telemetry and send it via packet radio or via a SSB net to him. The first day's worth of telemetry will transmitted via a CW beacon at 20 WPM on 145.822 or on 145.948 MHz SSB and will be vitally important to ground controllers. Later, after ALL systems are working properly on the RUDAK-2 transponder, PSK/BBS/MODE B operations will begin.

* TNX QSL! *

A special thanks to all those who sent QSLs, cards and letters to SpaceNews:

DJ9PE : Bernd Beckmann, Munchen, Germany
K2URZ : Dan Tannenbaum, Cherry Hill, New Jersey, U.S.A.
NM1K : Rusty Hack, Enfield, Connecticut, U.S.A.
N3IKS : John F. Gibson III, Philadelphia, Pennsylvania, U.S.A.
N4SDW : Chuck Mulligan, Tequesta, Florida, U.S.A.
WB1CKI: Gordon Young, Enfield, Connecticut, U.S.A.
ZL1PK : Phil King, Hamilton, New Zealand

...and e-mail messages:

VE3EAR, KB5HPN, KB6BBZ, KB8FRW, KE8BG, WB9JEJ

* FEEDBACK WELCOMED *

Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

UUCP   : kd2bd@ka2qhd.de.com
AMPR   : KD2BD @ NN2Z.NJ.USA.NA

MAIL   : John A. Magliacane
Department of Electronics Technology
Advanced Technology Center
Brookdale Community College
765 Newman Springs Road

Lincroft, New Jersey 07738
U.S.A.

<< If you like what you see, send us your QSL card! >>

/EX
--

```
John A. Magliacane                FAX  : (908) 747-7107
Electronics Technology Department  AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College       UUCP : ...!rutgers!ka2qhd!kd2bd
Lincroft, NJ  07738  USA          VOICE: (908) 842-1900 ext 607
```

From -2118419016470250879
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8b81d7003827fdf7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-10 12:07:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!usc!ucsd!ucbvax!pasteur!east.Berkeley.EDU!phil
From: phil@east.Berkeley.EDU (Phil Lapsley)
Newsgroups: rec.ham-radio
Subject: Re: DSP workbench
Message-ID: <8734@pasteur.Berkeley.EDU>
Date: 10 Nov 90 20:07:44 GMT
Sender: news@pasteur.Berkeley.EDU
Reply-To: phil@east.Berkeley.EDU (Phil Lapsley)
Organization: University of California, Berkeley
Lines: 39
Posted: Sat Nov 10 21:07:44 1990

Perry Scott started an interesting thread on DSP, and I wanted to throw in my two cents. By way of background, I'm a grad student in EE here at Berkeley, working in the DSP group.

Perry asked what to me seems like a crucial question for getting people to experiment with DSP: Are DSPs as easy to program as Apple II Basic? The answer to that question today is a strong "no": today's DSPs typically require programming in rather esoteric assembly languages, and require the programmer to have a good theoretical knowledge of signal processing. Although there are libraries for the various processors, the programmer ends up having to write a lot of code by hand.

That's changing, however. DSP C compilers are available today, and, while they're still not very good, they're getting better. More important, in my opinion, is the emergence of "DSP design environments". For example, our group has developed a software system called Gabriel that is a graphical, block-diagram programming language for DSP. You can design a DSP system by connecting blocks (adders, multipliers, filters, FFTs, I/O, etc.) on the screen. Once the blocks are connected, you can simulate your design on the local workstation, or you can generate assembly code for a variety of DSP chips (currently the Motorola DSP56001 and DSP96002). Gabriel comes with a large selection of pre-defined blocks, and you can add your own. Gabriel also supports block diagram hierarchy, allowing you to define new blocks in terms of connections of other, pre-existing ones, much as you can create one subroutine out of other subroutines in a conventional programming language.

While it still isn't as easy to use as Apple II Basic, it's a step in the right direction: it reduces both the amount of signal processing and assembly language knowledge you need, and is faster and easier than cranking out assembly code by hand.

Unfortunately, Gabriel is written in Lisp, and requires something like a Sparc-1 with 16 MB of memory to use. But as hardware prices fall and performance increases, it may not be that long before homebrewers are able to afford that sort of setup.

Phil Lapsley, N6TCT   phil@ucbarpa.Berkeley.EDU   ...!ucbvax!phil

---

From 1055232345925671613
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56a60ec12496bde4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-10 12:16:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!asuvax!anasaz!qip!rusty
From: rusty@qip.UUCP (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Today's un-net
Message-ID: <5398@qip.UUCP>
Date: 10 Nov 90 20:16:57 GMT
Organization: Anasazi, Inc. Phoenix, Az
Lines: 20
Posted: Sat Nov 10 21:16:57 1990

For those who missed it, the un-net happened today,and we had 5 "checkins" that I know of: John, NJ7E; Gary, KE9ZM; Mike, KB9BLY; Phil, WA4DDE; and myself (N7IKQ). I could hear every one of you folks, sorry I could only talk to John and Phil... I really MUST get that license upgrade, followed closely by a linear...

So, no promises that I'll be on next week, but don't let that stop others from "checking in" to the un-net!

(I suppose most of you were busy with the contest? Eh? Well, ok, I'll mention that I joined in long enough to get 2 people who were contesting: OK5R and Y42OK.... I hope that all of you contesters did better than I in that regard!) :-)

--
+++ 73 de N7IKQ +++
Rusty Carruth   {ames!ncar!noao!asuvax,mcdphx}!anasaz!rusty

P.O. Box 27001, Tempe, AZ 85285   anasaz!rusty@asuvax.eas.asu.edu
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz
The Ham Callsign Project, part 3 (the 1990 version) - its HERE! Email for info

From -1129006803607338551
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3328cb8f55165106
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-10 12:27:41 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!ub!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters
Message-ID: <196.273DA12B@rochgte.FIDONET.ORG>
Date: 10 Nov 90 20:27:41 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 13
Posted: Sat Nov 10 21:27:41 1990

> The control would have to be either AUTOMATIC (which you say is not legal)
> or would have to be REMOTE, which requires a control link on an AUXILIARY
> frequency, which does not include any portion of 2 meters.

I believe that recent changes in Part 97 have made remote control on the repeater input legal.

--
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG

From -7084059277134614497
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fda88bb830f49b5e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-10 19:44:52 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!mips!max!crisp
From: crisp@mips.COM (Richard Crisp)
Newsgroups: rec.ham-radio
Subject: WEFAX/APT Satellite
Message-ID: <43043@mips.mips.COM>
Date: 11 Nov 90 03:44:52 GMT
Sender: news@mips.COM
Reply-To: crisp@mips.COM (Richard Crisp)
Organization: MIPS Computer Systems, Inc.
Lines: 373
Posted: Sun Nov 11 04:44:52 1990

214 394 7438

HOW TO RECEIVE APT PICTURES FROM THE NOAA SATELLITES

So you have decided you want to receive the NOAA and Russian METEOR orbiters and you have a radio that receives 137.500 MHz and a computer. So now what do you do? I hope this short dissertation will steer you in the correct direction.

To display a picture from the orbiting birds you need several things. First you need to 'acquire' the satellite. This means you need the program to calculate its position at any time and determine if you can hear the signals from the 'bird'. The best place to get this program is probably AMSAT-NA an organization dedicated to AMateur SATellites. They have several very good tracking programs for the IBM and also for Commodore and Apple as well. After you have acquired the program and have it running on your computer, you then need the Keplerian Elements for the NOAA satellites. These elements as well as some tracking programs are available from the CELESTIAL RCP/M, run by TS Kelso, at 513-427-0674 (Fairborn,OH) and from the Weather Fax and Remote Imaging DATALINK BBS run by Dr. Jeff Wallach, N5ITU as bulletins for some 80 + sets of satellite data. Another bulletin also tells you to what the printed numbers correspond so you can enter them into the computer program. Use the newest elements you can find as the orbiting satellites are subject to forces which change their orbits. If you use Keplerian Elements more than 3 or 4 weeks old, your chances of hearing the bird are reduced.

Once you are tracking the birds you should hear them on your receiver. They will be on 137.62 (NOAA-11), 137.500 (NOAA-10), 137.850 (Meteor 3-2), 137.4 (Meteor 2-16), 137.3 (Meteor 2-17 and 2-18). Now comes the first thing different about NOAA orbiters. The frequency deviation of the FM transmission is about +/-18-20 kHz. This is 4 times the normal deviation of a police call and 1/3 the deviation of the FM broadcast band FM signal. If you receive the signal on the regular communications width of the scanner the light areas of the picture will be noisy and the signal will sound distorted and the picture will basically be useless. If you use the FM broadcast bandwidth (assuming your scanner will let you), the signal will be weak and there may be too much background noise to see the picture.

So what now ? Well there are two ways to fix the problem, find a receiver with the proper I.F. bandwidth filter of 50 kHz, or modify the I.F. of your scanner to about 50-80 kHz. The simplest mod which has been found to be workable is to remove the narrow communications I.F. filter and replace it with a 0.01 uFd capacitor. This provides for good Wefax pictures from GOES and pretty fair NOAA orbiter pictures. It can of course result in retuning the radio, voiding the warranty and making the squelch not work properly.

The other characteristic of the NOAA satellite transmissions is THEY

ARE WEAK. To get good pictures over a large area we have found a pre-amplifier to be essential. A GaAs-FET type can be obtained from various sources at a reasonable price but still about 50-100 dollars. You can also build one for about 25 dollars from plans for a pre-amp for the 2-meter amateur band and tune it to 137.5 easily.

Lastly, but importantly, the antenna can be of an omni directional, uniform pattern type such as a turnstile antenna similar to those used in the FM broadcast reception business but of course tuned to 137.5 MHz. Mount the pre-amp at the antenna if possible. Crooked coathangers on broomsticks have been known to work, and it is not difficult to build the antenna. Of course 2-meter beams with Az/El tracking will do the job well.

Now that you have a nice audio signal from the satellite, what happens next? The audio tone of 2400 HZ which is the carrier tone that is used to carry the picture information (video), must be detected and the video data converted from analog to digital and then displayed on the computer monitor by the software. The hardware and software to do this is available from several sources with more coming along. Several stand-alone boxes are also available that produce some form of computer output either in printed form or on the display. In addition the people on the DATALINK BBS may also have some data to share with you regarding this equipment.

One of the best sources for information is the WEATHER SATELLITE HANDBOOK available from Dr. Ralph Taggart of Michigan State University at 602 S. Jefferson, Mason, MI 48854 for $15.00. Taggart also writes the monthly WEATHERSAT column which appears in '73 Magazine. A must is THE JOURNAL OF THE ENVIRONMENTAL SALELLITE AMATEUR USERS' GROUP - JESAUG - which is published quarterly. It is available for $30.00 per year from the editor, Jeff Wallach, PO Box 117088 Carrollton, TX. 75011-7088 Back issues of the JESAUG are also available.

At the present the simplest software for the IBM is the Elmer Schweittek MULTIFAX software. A hardware kit is available from A&A Engineering which includes the video dectector circuit and A/D converter. Input to the PC is via the game port. If you want to build your own, complete documentation to build an interface circuit on an IBM PC prototyping board is available from H. Paul Shuch, N6TX, for $6.00 - FAXBOARD.

The WEPIX(tm) software and hardware is available from Encomm. It will produce pictures of 1200 lines by 800 samples per line displayed at 640 x 350 pixels in 16 shades of gray or 16 colors using an IBM PC with 640kB, EGA card and at least one 360k disk.

```
              'Typical' APT Receiving Station
              -------------------------------


 [1]   ANTENNA
          -
 [2]   PRE-AMP
          -
          -
          -
          -                          [ STAND ALONE UNITS ]
          -
 [3]   RECEIVER  ----------------->  FAX MACHINE  ---> PAPER
          -                          WRASSE UNIT  ---> MONITOR
          -                          YU3UMV UNIT  ---> MONITOR
          - - - - VCR
          -
          -
          -
 [4] - VIDEO DETECTOR   -
     -                  -
     -                  -
 [5] - ANALOG/DIGITAL   -
     -                  -
     -                  -            [ SCAN CONVERTERS ]
     -                  -
 [6] - INTERFACE TO PC  - <=======>  ROBOT 1200
     -                  -            TAGGARTS'S WSH
     -                  -            IMAGEWISE
     -                  -
 [7] -    SOFTWARE      -            ** SECOND DISPLAY **
     -                  -               for weather images
     -                  -
     -                  -
 [8] - GRAPHICS ADAPTOR -
          -
          -
          -
          -
 [9]   PC DISPLAY / MONITOR

          Display weather images
          (or commands for SCAN CONVERTERS)


[10]   PC PRINTER / DOT MATRIX / LASER



NOTES:
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```

[4] VIDEO DETECTOR, [5] ANALOG/DIGITAL CONVERTER, and
[6] INTERFACE TO PC may be in seperate hardware units
or all on one circuit board.

Sources:

NOAA Data / Keplerian Elements:

DATALINK RBBS, N5ITU, Dr. Jeff Wallach, 214-394-7438,
DALLAS REMOTE IMAGING GROUP ELECTRONIC BULLETIN BOARD
UPDATES ON NOAA BULLETINS, SATELLITE LAUNCHES, FREQUENCIES
DISPLAY PICTURES FROM NOAA SATELLITES ON YOUR OWN P.C.

CELESTIAL RCP/M, TS Kelso, 513-427-0674, NASA Prediction Bulletins |
are online and updated several times weekly |

Satellite Tracking Software:

AMSAT-NA, PO Box 27, Washington, DC 20044, Software Exchange,
phone 301-589-6062 (voice), N4HY - QUIKTRAK, W0SL - ORBITS II,III,IV
Roy D. Welch, W0SL, 908 Dutch Mill Drive, Manchester, MO 63011,
phone 314-391-1127, ORBITS II-EGA, ORBITS III-EGA, ORBITS IV-VGA |
DATALINK BBS, download SATTRAKx.ARC, SEESATxx.ARC and others
CELESTIAL RCP/M, TS Kelso, 513-427-0674, SATTRAKx.ARC or SEESATxx.ARC |
Astronomical Data Service, Rodger Mansfield, 3922 Leisure Lane,
Colorado Springs, CO 80917-SPACE BIRDS program and Newsletter, $40.

Receivers:

Vanguard Labs, 196-23 Jamaica, Hollis, NY 11423,
phone 718-468-2720
Hamtroincs, Inc.,65-D Moul Road, Hilton, NY 14468-9535
phone 716-392-9430
DARTCOMM, Mr. N. Hearn, DARTCOMM Ferndale, Postbridge, Yelverton, |
Devon PL20 6SY, Great Britain, UK, phone 011 44 0822 88253 |

Crystals:

JAN Crystals, 2400 Crystal Dr, Fort Myers, FL 33906-6017,
phone 1-800-237-3063 or 813-936-2397

Pre-Amps:

THL/Encomm, Inc, 1506 Capital Ave, Plano, TX 75074, phone 214-423-0024
Spectrum International,Inc., Box 1084, Concord MA 01742,
phone 617-263-2145

Vanguard Labs, Hamtronics and GLB for Helical RF Filters for intermod
Ehrler-DuBois Very High Performance LNA for 1500-1750 Mhz, contact Greg Ehrler or John DuBois via DATALINK |

Antennas:

ARRL Handbook, 1986, turnstile over ground antenna.
ARRL Satellite Experimenter's Handbook by Martin Davidoff, K2UBC
Modern Electronics, September 1988, Hank Brandli article, page 82, Receiving Satellite Weather Photos

Hardware Interface to PC:

A&A Engineering, 2521 W. La Palma, Unit K, Anaheim, CA 92801, phone 714-952-2114 - both AM dectector and A/D converter, input to PC via game port (4-bits) or parallel I/O Interface (8-bits) - kit is $50. - assembled and tested unit is $70.
Microcomm, H. Paul Shuch, N6TX, 14908 Sandy Lane, San Jose, CA 95124, phone 408-377-6137 - FAXBOARD - A Weather Facsimile Display Board for the IBM PC - Complete documentation to build your own interface circuit on an IBM PC prototyping board - video and an 8-bit A/D interface - $6.00

Video Detectors:

RTM Circuit Boards, 205 Elm St.,Van Horne, IA 52346-0400, video detector (the 'Wilson Board') see QST Magazine, Jan '86 and Vince Coppola's article in Oct 1988 73 Magazine
QST Magazine, August 1985, Grant Zehr article, page 27, video detector circuit

A/D Converter & Parallel I/O Interfaces for the IBM PC:

MetraByte, 440 Myles Standish Blvd., Taunton, MA 02780, Model PIO-12 board for the IBM PC, phone 617-880-3000
John Bell Engineering, Inc, 400 Oxford Way, Beimont, CA 94002, phone 415-592-8411

Sources:

Display Software and Hardware - 'Amateur':

Encomm, Inc. 1506 Capital, Plano, TX 75074, WEPIX(tm) system, phone 214-423-0024
Multifax, Elmer Schwittek, 2347 Coach House Lane,Naples, FL 33942, phone 813-434-2268 - Multifax 3.3 for EGA, 2.x for CGA on the IBM-PC |
Clay Abrams Software, 1758 Comstock Lane, San Jose, CA 95124, software

for the ROBOT 1200 - see QST Magazine, Jan '86

Ralph Taggart, 602 S. Jefferson, Mason, MI 48854, Weather Satellite Handbook Scan Converter - for the Radio Shack CoCo3 - see 73 Magazine, Nov '84 and Dec '84 and Handbook. Ralph Taggart also writes the WEATHERSAT column for 73 Magazine.

ImageWise Display/Receiver, Circuit Cellar Inc. - Micromint Inc., 4 Park Street, Vernon, CT 06066, phone 203-875-2751 - BYTE Magazine, May, Jun, Jul, Aug 1987. JESAUG 88-2 and Oct 1988 73 Magazine have information on how to build the video and A/D interface. Ver 2.0 software supports VGA graphics and 640 samples per line at 64 gray levels. With VGA the ImageWise Display unit is not required. The software is available for $29.95 from Vince Coppola, N1VC, 6 Bobbin Road, Terryville, CT 06786

ASAT: An Apple-based Satellite Imaging System by Grant Zehr, WA9TFB - QEX Magazine, March '88 - has complete information to build an excellent unit using the APPLE with a Redshift Ltd graphics card giving 256 * 256 pixels at a full 256 levels of gray.

AMIGA Imaging Software - Dallas Remote Imaging Group
PO Box 117088
Carrollton, TX 75011-7088
Voice 214 394 7325

Uses standard Amiga hardware - no special display
Powerful NASA digital enhancement curves built-in
Digital image processing capabilities
Uses A&A Engineering $49 demodulator
Image saved for use by other graphics programs
Full histogram analysis
Full 8 bit data is stored on diskette or hard disk
Unattended operation
Can be setup in 30 minutes
Call for special pricing

IBM-PC Interface Card and Software - Jim MacLean and Paul Atkinson, 2112 Parsons Avenue, Melbourne, FL 32901, 407-727-3646 - plug in card for IBM XT or AT, 9600 samples/second at 8 bits, automatic synchroniztion for NOAA, METEOR and WEFAX, data saved realtime to hard disk, supports CGA, EGA, and VGA, $300 for hardware and software

Complete Systems - Hardware and Software:

Dallas Remote Imaging Group
P.O. Box 117088
Carrollton, Texas 75011-7088
214 394 7325

Complete Earth-Scan Amiga turnkey system ready to put on air

YU3UMV Digital Storage and Scan Converter for Weather Satellite Images, described in VHF Communications Magazine, Winter 4/82 and Spring 1/83 - Modifications are described in the Satellite Users' Group Journal - JESAUG - available from Jeff Wallach. Back issues of VHF Communicatons and the YU3UMV printed circuit boards are available from Fred Sharp, TimeKit, P.O. Box 22277, Cleveland, OH 44122, phone

216-464-3820.
Loren Johnson, P.O. Box 219, Cleveland, MN 56017, system for the
IBM-PC - $750, phone 507-931-4849
WEATHERTRAC[tm] IBM-PC Based Satellite Image Acquisition and Animation |
System - $1885 for EGA - $3495 for VGA, Fred Bartlett, Softworks, |
Inc, Allentown, PA, phone 215-395-4441 or George Isleib, Lehighton,
PA, phone 717-386-4032
TRUfAX by CompuMAX IBM-PC based facsimile system - $600, Compumax
Corporation, 26 West Boylston Street, West Boylston, MA 01583, phone
617-835-2722

Satellite Meteorology:

Satellite Imagery Interpretation for Forcasters - a 3 volume set |
published in 1985 for NOAA now available from the National Weather |
Association, 4400 Stamp Road, Room 404, Temple Hills, MD 20748, |
301-899-3784, $32 for members, $45 for non-members (Membership is |
$20.) |

Bibliography - Online DATALINK Bulletins: (214 394 7438 -- BBS)

NASA Satellite Prediction Bulletins, NASA-PB.xxx
How to use NASA 2-Line Keplerian Elements
AMSAT Bulletins and Weekly Notes / Orbital Elements
NOAA APT NOTES
NOAA User Bibliography
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From 5291526665715278002
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,da9323d5c8a6692,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-10 20:05:00 PST
Path: gmdzi!unido!mcsun!uunet!munnari.oz.au!comp.vuw.ac.nz!actrix!fnet!Richard_Crisp
From: Richard_Crisp@f110.n771.z3.fidonet.gen.nz (Richard Crisp)
Newsgroups: rec.ham-radio
Subject: GOES/Satellites
Message-ID: <9011130535.AA4686@f170.n771.z3.fidonet.gen.nz>
Date: 11 Nov 90 04:05:00 GMT
Reply-To: Richard_Crisp@f170.n771.z3.fidonet.gen.nz (Richard Crisp)
Lines: 780
Posted: Sun Nov 11 05:05:00 1990
Comment-To: All@f170.n771.z3.fidonet.gen.nz

Lines: 772
Organization: MIPS Computer Systems, Inc.

I remember someone asking for GOES info. This is something I got of the Datalink BBS some time back.

A Low Cost GOES VAS Imaging System for PC/XT/AT Host Systems

John L. DuBois W1HDX

One of the sources of the global cloud pictures which we see transmitted over the WEFAX channel from the GOES satellites at 1691 megahertz is the VAS instrument (Visible and infrared spin scan radiometer Atmospheric Sounder) carried on the same satellites. This instrument was called VISSR (Visible and Infrared Spin Scan Radiometer) on the earlier GOES 1,2 and 3 satellites and did not have the extended multispectral capabilities of the current imagers. We do not see the original images over WEFAX, however. They have been received, processed and retransmitted at least twice before making it to the WEFAX channel.

VAS visible light images of the full globe originate as 14560 lines, each with 15288 picture elements which provides ground resolution of about 1 kilometer. The idea of receiving these original images, in full detail before any processing, has fascinated me since first learning about them. As I will show in a series of articles, it is possible for an amateur weather satellite hobbyist to assemble equipment to receive them for about two orders of magnitude less cost than a $500,000 commercial system.

Even though the cost is within reason, building such a system is not simple and it is not practical to describe in one or two articles. Therefore my plan is to present the material in a series of modest size installments. This will not be a detailed construction guide and some of the material will be quite technical. Nevertheless,it is a project well within the capbility of an advanced amateur or engineering student and I will present sufficient information, circuits and software to allow duplication.

This first installment will cover some personal history, an explanation of the data available from the VAS imager, how this data is transmitted and the requirements for an antenna and low noise preamplifier (LNA).

In 1977 I became interested in weather pictures from space as an outgrowth of my amateur radio involvement with AMSAT ... the organization of hams who build and operate amateur communication satellites. I had earlier discovered and listened with fascination to ham conversations from OSCAR-7 and to tones on 137 mhz from NOAA-4, the polar orbit weather satellite. I could not wait to jump into both activities. Within a few months a tangle of equipment was working and I could talk through OSCAR-7 while APT watching pictures of the 20 or so minute pass of NOAA-4 over the eastern United States. These pictures, while thrilling, were also puzzling ... up to that time the only satellite weather pictures I had seen were in the newspaper and they showed a neat, centered, view of the continental United States. The NOAA-4 pictures were certainly not the source of what I had seen. Well, in due course I learned about GOES. Of course ... this was the way to get my own version of the newspaper pictures.

There was a few week delay while I figured out how to build an antenna, preamplifier and converter for 1691 megahertz. Finally everything was working and the first picture, from GOES EAST, was on the screen of a small Tektronix storage scope. Now what was wrong ??? ... there was a quarter of the earth in this picture and, although it was indeed the northeast quarter, the only part of the United States visible was part of New England and it was scrunched into a tiny region in the upper left hand corner. Oh well, what I wanted was probably in the northwest quadrant view. A few minutes later, the northwest quadrant was on the screen. @$!##&*. Now the rest of the United States was visible but it was scrunched into the upper right corner and it was barely possible to separate one state from another.... a far cry from the newspaper photos which had set me off on this pursuit !

This experience was the seed of an effort which was to occupy much of my spare hobby time over the next ten years. The next step was to learn just where the clear newspaper weather pictures of the United States were coming from and why there was little, if any, resemblence to what was coming off the WEFAX images from GOES. After hours of phone calls and questions directed all over the country, I finally obtained a good description of the GOES system and found the answer: high resolution digital image data (after a great deal of handling by NOAA) is distributed to users, such as media wire service networks, who format it for their own purposes. Images in these formats never get even close to the WEFAX network ! So .... I wasn't going to be able to get those newspaper type pictures ... or was I ? .... how about receiving the digital data directly ? Lets see what GOES is really transmitting :

A good overview of the current GOES satellites is found in the "GOES D, E, F Data Book" published by NOAA. GOES carries a wide variety of remote sensing and communications equipment. In addition to visible and multispectral infrared imaging, it monitors the earths' magnetic field, high energy particle flux in the vicinity of the satellite, and x-ray emissions from the sun. In addition a transponder system collects data from remote instrument platforms on the earth and retransmits it to central processing points. Also on board is WEFAX, actually just a facsimile picture distribution system. Any document (not necessarily related to weather, as we ocasionally see) put in front of the camera at Suitland Maryland is broadcast. In addition to all this there are several radio channels dedicated to housekeeping and navigation.

The VAS images are created, visible and infrared simultaneously, by light from the earth falling on a vertical scanning mirror. It then passes through a mirror optical system and filters which focus it on the respective visible and infrared sensors. This is a point focus on small sensors representing an individual picture element. Scanning to form the image comes, in the horizontal direction, from the spin of the spacecraft and, in the vertical direction, from stepping of the vertical scan mirror. The spin is 100 revolutions per minute or 600 milliseconds per horizontal scan. After each revolution the vertical mirror is stepped to bring the next "strip" of earth into view of the sensors. There are 1820 steps of this mirror so the whole image takes 18.2 minutes. There are multiple sensors at the focal point of the optical system so that at each sampling instant of the horizontal scan, two infrared and eight visible samples are taken. For the infrared, the optical resolution is such that these two samples represent about the same region on the earth but they are measuring different wavelengths. For the visible, however, the optics are arranged so that the eight simultaneous samples show a vertical strip of image. In this way, eight lines of the visible image are formed for each spin of the satellite.

A digital multiplexer takes the eight visible samples, the two infrared samples and various other samples of telemetry data and formats them into a digital data stream at 28 megabits per second. The data is four-phase modulated (QPSK) on a carrier at 1681.6 megahertz and transmitted to earth through a small 18 db gain parabolic antenna. This antenna is "despun" or fixed in attitude while the rest of the satellite spins under it so that it can be precisely pointed at the earth. This transmission of 28mbps QPSK data at 1681 mhz is quite difficult to receive. So difficult in fact, that it was never planned in the overall GOES mission for direct distribution users to receive it. Instead, a more "user-friendly" signal called SVISSR (Stretched VISSR) was designed into the system. This is essentialy the same data sent at a lower data rate (2.11 mbps) which greatly eases the burden on direct users. Stretched VISSR, or more correctly now, stretched VAS, is the signal which a handful of professional, government and university users around the world pick up to obtain high resolution digital image data from GOES. SVAS, then, is our objective. If we can find a way to receive and process this signal, we will have the very same data and images which are used to generate WEFAX products as well as many other images for professional weather applications.

The details of how all the image samples are formatted for transmission by SVAS will be described in next article. We must first discuss the radio signal in order to determine the equipment necessary for reception. SVAS is transmitted at 1687.1 megahertz. The data stream is modulated onto the carrier as bi-phase modulation (BPSK), 0 and 180 degrees. The data bit rate is 2.11 megabits per second. The spectrum of this kind of a signal is wide band compared to WEFAX. It consists of a broad spread of power between nulls at the carrier frequency +/- N times the bit rate. Figure 1 shows a typical SVAS spectrum. The broad peak in the middle is from the SVAS signal. Its power spectrum continues on either side of this peak in a series of nulls and additional smaller peaks which are largely hidden in the noise in this picture. (The two sharp peaks on either side of the middle are other transmissions. The one on the right is the WEFAX signal at 1691 MHZ.) There is a barely visible notch at the exact middle of the SVAS spectrum. This is the carrier frequency point but the notch confirms a theoretical property of BPSK modulated signals ... the carrier is absent. This gives BPSK a high efficiency, power is not wasted in a transmitted carrier. (The notch does not go to zero on the spectrum display because of limited resolution.) It is necessary to include at least the central "lobe", which is 4 MHZ wide here, and preferably the first two "side-lobes", which would require 8 MHZ, in the receiver bandpass order to preserve signal quality. Quality, expressed as signal to noise ratio (S/N), is precious in a SVAS system and it must be preserved at every possible point.

So we have a wide band signal at 1687.1 mhz ... how weak is it and what will be needed for a receiver? Well, we must consider the antenna and LNA before the receiver or any data processing. It will turn out that these components will make or break the whole system. We can do a few calculations, look at the requirements they produce and decide to go on or quit right there. The major problems in duplicating a SVAS system are likely to occur here.

Now it is necessary to get technical. The following equations provide the tools to determine whether the space and resources you have will allow SVAS reception. The signal to noise ratio (S/N) at the receiver input is expressed by equation 1.

$$S/N = (EIRP)*G / (K*T*B*L) \qquad 1)$$

Where: S = unmodulated signal power
EIRP = effective isotropic radiated power from GOES
G = receive antenna gain
L = path loss at channel frequency
K = Boltzman's constant
B = channel bandwidth
T = equivalent receiver input noise temperature

S/N can also be expressed as the the ratio of energy per data bit to noise density by equation 2:

$$S/N = R*Eb/B*No \qquad 2)$$

Where: R = bit rate
Eb = energy per bit
B = channel bandwidth
No = noise density

We can find published curves for a perfect demodulator which relate Eb/No to the bit error rate. The bit error rate is a better quantity than Eb/No to specify because it describes what we really care about ... data errors. So we will use these curves to get Eb/No for equation 2.

Now set equations 1 and 2 equal, eliminating S/N, to obtain G/T as equation 3. G/T describes the performance required of the system "front end" under a given set of channel and transmitter parameters for the desired bit error rate. Equation 4 converts this to decibel form. An additional term M has been added to equation 4 to account for miscelaneous losses such as feedline, polarization loss, etc.

$$G/T = (Eb*R*K*L) / (No*EIRP) \qquad 3)$$

$$G/T = Eb/No \text{ db} - EIRP \text{ dbm} - K \text{ dbm} + L \text{ db} + 10 \log R + M \text{ db} \qquad 4)$$

Typical values of these parameters for GOES VAS are:

EIRP = 55 dbm
L = 189.3 db at 1687 Mhz
K = 198.6 dbm
Eb/No = 10.6 db for Pe = 10E-6
R = 2,110,360 bits/sec --> 63.25 db
M = 3 db

We plug these numbers into equation 4, and obtain 12.5 db as the required G/T. This may be related to antenna size and LNA performance by making a few realistic assumptions:

a) Antenna noise temperature = 70 K
b) LNA gain and receiver noise temperature are adaquate for the LNA to control overall noise temperature.
c) Antenna feed efficiency = .55

Now we tabulate the results for some common antenna sizes. The "maximum" figures are the largest these quantities can be and still maintain a 10E-6 bit error rate:

Antenna Dia.	Antenna Gain	Maximum System Noise T	Maximum LNA Noise Temp.	Maximum LNA Noise Fig.
24 ft.	40 db	562 K	492 K	4.3 db
18	37	282	212	2.4
16	36	224	154	1.8
12	34	141	71	.95
10	32	89	19	.28

The "bottom line" of this table is how good the LNA must be for each antenna size. We can pick the antenna likely to get past our budget, wife, zoning board etc. and then see what is required for an LNA. There is a little, ... very little, padding in the assumptions from the M (miscellaneous) factor but this will disappear fast in connectors, cables, pointing error etc. etc. I can assure you from experience that the table is not just fancy theory. It means what it says, there will be no pictures, or very poor pictures, with a 12 foot antenna if the LNA noise figure is much worse than 1 db !

Fortunately, the television satellite receive only (TVRO) industry, although not as healthy today as it was two years ago, has provided us with a good source of antennas. It is relatively easy to obtain TVRO antennas at modest cost up to 16 feet in diameter. The LNA required for a 10 foot diameter is clearly impractical but 71 degrees, as required for a 12 foot antenna, is within reach of modest cost commercial LNAs. Practical amateur LNA designs would probably fall in the area of 154 degrees and require a 16 foot diameter. Therefore we can conclude that the necessary GOES SVAS antenna size is in the range from 12 to 16 feet diameter. We must watch out for a sneaky assumption in the table, however: the LNA gain must be high enough to control system noise figure. This means that single stage (typically 14 db gain) designs will normally not be adaquate. For example, if the LNA has a noise figure of 1 db (75 deg. K) and a gain of 14 db then when used with a downconverter which alone has a noise figure of 6 db (864 deg. K) the overall noise figure will be 1.4 db (109 deg. K). This is a degradation of 34 degrees K in noise temperature which could make the differnce between good and poor pictures with a 12 foot antenna. A minimum of two stages with about 30 db gain is required for the LNA to control the overall noise figure with most downconverters.

To summarize, you will need a 12 foot diameter dish antenna with a very good LNA (probably not home built) or a 16 foot diameter dish with an LNA which could possibly be home made. Since GOES is a geostationary satellite, any of the commercial mounts made for TVRO satellites will be quite suitable. The feed horn cannot, of course, be the same as for TVRO but that is no problem. The very same feedhorn designs we have been using for years on WEFAX are inherently wideband designs. They will work as well for for the SVAS signal at 1687 MHZ as for WEFAX at 1691 MHZ. I will give a design in the next article for such a feed horn but these designs have been published many times in the WEFAX literature. Figures 2 and 3 show my antenna system. It is a 13 foot diameter dish made by Hero Corporation in Hileah Florida. The aluminum feed horn is the design I will be presenting next time. The mount is an old azimuth-elevation type made by KLM Corporation for TVRO. It is no longer in production, but az-el is really not necessary, I simply had it on hand.

I will not be giving circuit or construction details for the LNA. It is a difficult, tricky, matter to build a LNA with a true noise figure less than 1 db at 1687 Mhz, even for professionals. It was almost impossible ten years ago, and just hard now. (This fact, by the way, is the reason most literature assumes amateurs will not be building VISSR or VAS receiving systems. Fifteen to twenty years ago when the GOES system was designed, LNAs of the quality possible now did not exist and it was absolutely necessary to use an antenna of 24 feet diameter or larger. It seemed inconceivable that amateurs would build these. Of course there is ham "EME", but that is another story.) Consequently, I would suggest that the best approach is to purchase a suitable LNA. One company, Wilmanco, (19529 Business Center Drive, Northridge California 91324) has available a model 1687LNA for about $700.00. An example of an LNA design which could be home built appears in QST, August 1984, page 65. Another example appears in VHF Communications, Volume 3-1984, pages 130-136. The latter article presents a single stage low noise LNA as well as a two stage design with higher noise. For these designs to be effective, the two separate LNA's should be cascaded ... an approach which could also be used with commercial single stage LNA's such as the Microwave Modules MMG1691. Again, however, building and sucessfuly adjusting a two stage LNA is not recommended unless you have specific experience in this area. The LNA in my system is the Wilmanco and it is mounted in a housing at the rear of the horn feed. The LNA must be mounted here. If you put more than 1 foot of coaxial cable between the antenna feed and the LNA, you will seriously degrade system noise performance and waste money spent for both the antenna and LNA.

Note Added 1 March 1989:

Since these articles were first written, the situation regarding an adaquate home built LNA has changed substantially. A very satisfactory design which can be home made without elaborate test equipment or great skill appears in the Spring 1989 volume of the JESAUG (Journal of the Environmental Satellite Amateur Users Group). This design is capable of about .6 db noise figure and simultaneous 36 db gain.

Almost any previously published design for a WEFAX feedhorn for 1691 MHZ, such as the one found in Ralph Taggarts' "Weather Satellite Handbook" can be used for VISSR since the bandwidth of these designs is at least 100 MHZ. The reason that I present another design has to do with the horn material. Previous designs, such as Taggarts', suggest using a 1 pound coffee can for the cylinder. While the dimensions of a standard coffee can are fortuitously good, the plated steel material is not unless it is carefully painted to prevent rust. If you do not repaint or if you casually add just a little, I have found them to rust badly in one to three New England winters. A warmer, more arrid, climate will allow much longer service but in case you don't live in such a locale, the aluminum design sidesteps the rust problem and helps preserve precious S/N ratio. The aluminum can needed for this design is a Zero Corporation #ZTR-81B and semi-difficult to obtain in small quantities. Anyone wishing to build this design should contact the author regarding availability of the can.

The LNA should be mounted as close as possible to the probe in the dish feed horn. This means building a weather resistant housing on the back or side of the feed horn to enclose the LNA and running no more than a foot of 50 ohm coax to the probe. A little cable here, with a few tenths of a db loss, may help the stability of a marginal LNA but any more than about half a db will be sorely missed from system S/N ratio. The LNA output, if it is a two stage design with over 25 db of gain, will be able to drive up to about 100 ft. of 50 ohm coax.

The next link in the system is the downconverter. There are a number of options here, both commercial and homebuilt.

Noise figure and gain of the downconverter, while less important than those of the LNA, cannot be neglected altogather for VISSR use. The VISSR signal is centered on 1687.1 MHZ and occupies about 6 MHZ of bandwidth. Fortunately most WEFAX downconverters are sufficiently broadband that there is no practical difference in input tuning for the VISSR signal as compared to WEFAX. A typical input bandwidth is at least 50 MHZ and this will cover both signals easily. The output frequency, however, will not be the typical 137.5 MHZ. There is no receiver in the usual sense in a VISSR system. The output of the downconverter is amplified, filtered to limit the noise bandwidth and fed to a phase detector where the data is demodulated. Therefore the choice of output frequency for the downconverter must be suitable for easy amplification, filtering and phase demodulation. There is considerable lattitude in choosing this frequency, it can range from about 10 MHZ to 100 MHZ, but a very convenient choice is 70 MHZ. This is convenient because it is used by many radar, television and digital data systems. Parts such as filters, ampilfiers and phase demodulator components are more easily obtained for 70 MHZ than for other possible choices. The downconverter must therefore produce a 70 MHZ output for 1687.1 MHZ input. For homebuilt circuits this is not a difficult design change, simply recalculating the crystal and revising the output amplifier coil or transformer to resonate at 70 MHZ, keeping in mind that the Q should be low enough to allow at least a 6 to 8 MHZ bandwidth. One caution should be noted regarding the choice of 70 MHZ, however. Television broadcast channel 4 occupies the slot between 66 MHZ and 72 MHZ with the picture carrier at 68.25 MHZ. To avoid interference from a strong channel 4, all of the wiring and chassis from the downconverter through the IF amplifier and phase demodulator should be well shielded.

Among commercial downconverters, the Microwave Modules MMK1691/xxxx is a suitable choice in the $275 price class (as of 1987). The xxxx in the model number refers to the IF output frequency. It is usually sold as MMK1691/137.5 with a 137.5 MHZ IF. One of these can be readily modified for 70 MHZ output by changing the oscillator crystal to 89.8333 MHZ, rewinding the two IF output stage coils, and retuning. It can also be ordered, at slightly higher cost, as MMK1691/70 with the modifications already made. Either way the resulting downconverter will have a conversion gain of 25 to 30 db and a noise figure of about 3 db which is fine for VISSR use.

Looking again at signal levels, with a 13 foot antenna, a feed horn similar to that described, "dead on" pointing of the antenna and polarization of the feed horn, you can expect a signal at the input to the LNA between -105 dbm and -112 dbm. The uncertainty comes from possible differences in antenna and feed efficiency, and other miscellaneous losses. With a 25 db or more gain LNA such as the Wilmanco, and 50 feet or less of good coaxial cable such as RG213, the input to the downconverter will be about -85 dbm. With a 27 db conversion gain, typical of the

MMK1691/70, the signal out will be about -58 dbm, centered on 70 MHZ.

The next block of the system will be a 70 MHZ IF amplifier to filter and bring this level from -58 dbm up to -10 dbm. There must be reserve for level adjustment so the total gain required is about 60 db. The minimum bandwidth of this amplifier is 4 MHZ at +/- 3 db. The maximum bandwidth is not critical but should be less than 10 MHZ since excess bandwidth here will degrade the system S/N ratio which we are trying to preserve or enhance in every cost effective way that we can. There are a number of ways to obtain the IF amplifier. Surplus equipment available at flea markets will include radar, television distribution, digital radio or TVRO IF strips which can be used with little or no modification. Commercial amplifiers are of course available with appropriate specifications but these can be very expensive. A third way to go is to build the amplifier yourself. At 70 MHZ, parts layout is not exceptionaly sensitive and if you have had a little experience with RF circuits then this approach is practical. Figure 5 gives a suitable design.

This is a high gain RF circuit and must be built with good RF construction practice. This means short leads, a ground plane under the parts, and good decoupling on the 12 volt power supply distribution. The AGC control will be adjusted to provide about -15 dbm output at 70 MHZ to the demodulator. The maximum gain available is about 65 db which should be sufficient for even a low gain downconverter. The bandwidth is about 12 MHZ, which is larger than necessary but the single tuned response produces a smooth low distortion phase slope at the edges.

Assuming that we now have the 70 MHZ signal at about -10 dbm, the next step is a phase demodulator. This circuit is a little tricky. The binary data has been modulated onto the carrier as BPSK, zeros are sent with the carrier phase unchanged while ones are sent with the carrier phase shifted 180 degrees or inverted. In order to build a practical phase detector it is necessary to have a replica of the exact carrier frequency, however the spectrum of the received BPSK signal has no component at the center to define this carrier frequency. An ordinary phase locked loop, for example, cannot be used since there is no carrier for it to lock onto. There are a number of circuits in the literature which have been devised to deal with this problem and all depend on some kind of nonlinear operation on the signal to recover the carrier. For example, squaring will produce a component at twice the carrier frequency which can be divided by two to yield the desired signal. For VISSR use, a good circuit choice is the Costas Loop.

The Costas Loop is a variation on a phase locked loop which compensates for the lack of carrier, or expressed in another way, it compensates for the phase reversals of the carrier. Figure 6 is a block diagram of the Costas Loop. The input signal is split into two channels and mixed (multiplied) by the local voltage controlled oscillator at zero and ninety degrees phase shift. The baseband output of the mixers is filtered by lowpass filters with a cutoff just above the data rate. These filters are the final determination of overall noise bandwidth. The two channels are then multiplied togather and the output fed as correction to the VCO. Demodulated data appears at one of the lowpass filter outputs and frequency error appears at the other. In a crude way the loop operation can be understood by thinking of the data input to the VCO multiplier as reversing the correction phase at the proper times to be in step with the carrier phase reversals and therefore fooling the VCO into behaving as in an ordinary phase locked loop. At any rate, it does work and the output from this circuit is the VISSR data stream we want, at 2.11 MBPS. Trying to examine this data stream on a scope, by the way, is an exercise in futility unless it is a storage scope. If you trigger on the transitions with a non-storage scope, sucessive lines will overlay and you will not see individual ones and zeros, just their superposition. This is commonly called an "eye" pattern and is very useful anyway in diagnosing signal quality. The degree to which the center part of the eye is clean and free of any out-of-place transitions is a measure of S/N. For sucessful VISSR pictures, the eye must be at least 80% open, hopefully more.

A detailed schematic of the Costas Loop demodulator appears in figures 7A & 7B. The only part of the circuit which requires care in layout and construction is the 70 MHZ voltage controled oscillator and amplifiers. This section should be built above a ground plane with short leads and good power supply decoupling to prevent any parasitic oscillation. The remainder of the circuit is not critical as long as reasonable rf construction practice is followed.

The lock bandwidth of the loop will depend on 70 MHZ input level and should be adjusted to about -15 dbm. The loop is tuned by observing the output on an oscilloscope while adjusting the VCO with the 10K tuning potentiometer. The loop time constant is about 1 second, so the adjustment should be made slowly. As the VCO approaches 70 MHZ, the output will show a beat frequency which will clearly lock at 2.11 MHZ. It may be necessary to tune to the other side of lock and back up as the lock character is not symmetrical around the lock point.

The raw data stream out of the demodulator contains the combined VAS data and clock which have been exclusive or multiplied togather. The quality of the signal can be judged as described above by triggering an oscilloscope on the signal transitions and adjusting sweep speed for about 2 bit times across the screen. It will be normal to see lots of jitter on the edges but the pattern should be free of noise and stray transitions in at least 80% of the middle of each eye.

The next block of the system is the bit synchronizer to separate the clock and data which have been combined into this bit stream. At this point we are recovering a bit stream in which the data and clock have been multiplied togather. This is a very simple, binary, operation done by an exclusive OR cicuit where the data is one input and the clock is the other. It is done to increase the transmission efficiency. Sending the clock on a separate channel would be wasteful since it carries very little information, only its phase and frequency. Reversing the process to separate data and clock again, however, is not so simple. The problem is that after the multiplication we don't know readily whether a particular transition belongs to the clock or the data. It is only in the longer term (many bit times) that we can be sure that there have been on average, R, clock transitions where R is the clock rate.

This fact, that on average the bit stream carries a constant clock rate, is the clue to clock recovery. In the frequency domain, if we look at the bit stream on a spectrum analyizer, there will be multiple peaks spaced at the clock rate. A straightforward idea for recovery is to feed the bit stream to a phase lock loop and see if it will synchronize to the "hidden" clock. This almost works. The problem is that except for special cases, even though the spectrum peaks are spaced at the clock rate, there are nulls at the actual clock frequency and its multiples. There are a multitude of spectrum lines for the PLL to lock on, but none at exactly the right frequency ! Fortunately the solution is easy for moderate to high signal to noise ratios. If we feed this bit stream to a nonlinear circuit of some kind (almost any kind) we will regenerate spectrum lines at the clock rate and its multiples. By filtering out the fundamental and feeding this to the PLL, we will have recovered the pure clock. The bandwidth of the PLL must be set low enough to suppress phase jitter from the "random" data transitions but this is not a critical parameter.

A suitable circuit for clock recovery appears in figure 1. The first section of this circuit is simply a filter matched closely to the spectrum of the data bit stream in order to remove noise as far as possible without cutting into the information itself. Following this is an edge detector or differentiator which forms short pulses on the edges of the filtered waveform. For a noise free signal this would produce a "spike" at each edge of bit stream. This is the nonlinear operation which regenerates the clock lines in the spectrum. The pulses are then used to synchronize a PLL running at twice the clock rate. The 2 x clock line is strongest in the regenerated spectrum and most reliable for PLL lock. The PLL frequency divided by 2 then yields the 2.11 MHZ clock we need to synchronize further operations.

In order to complete the process of deriving a separate clock and data stream we must account for the NRZ-S coding of data prior to combination with the clock. NRZ-S coding replaces the original data with a transition, either 1 to 0 or 0 to 1 depending on the original state, when the source data is a zero. If the source data is a 1 then the output stays in its original state. For example a continuous data 1 would produce no output transitions while a continuous data 0 would produce a square wave output at the bit rate. In the VAS case it is this NRZ-S coded data which has been multiplied by the clock. The HC175 and exclusive-OR gate in the circuit of figure 1 strip off this encoding and produce a clean, separated data output. Additional circuitry in figure 1 examines the data stream for coherence between the clock and provides a signal to indicate whether or not there is valid data coming out. If there is, the "BIT SYNC" light comes on. During normal operation this light will blink out during the 50 millisecond period every spin (600 milliseconds) when the VAS transmitter is turned off.

FRAME SYNCHRONIZER

Now we arrive at something of a problem in planning. The current format of VAS data is organized according to a scheme called "Mode AAA". This specifies the exact placement of telemetry data, image data, and synchronizing bits within the overall flow of data and must be used to comb out the images we want. The frame synchronizer is a very specific, dedicated design which uses the format description to arrive, finally, at individual image bytes which can be placed in an image frame buffer to display the pictures. Unfortunately, NOAA is currently in the process of revising this formatting scheme to another version called "GVAR" to be effective with the launch of the next GOES satellite sometime in late 1989 or 1990. As a result my design for the frame synchronizer, while it works fine today and can be duplicated, will only be valid until the next GOES launch. I will be revising the frame synchronizer design to work with GVAR but this won't be completed until late this year or early 1989. Consequently the remainder of this article will be more of an overview of the circuits and process than in previous sections. If any readers do want to duplicate the mode AAA circuitry I will be happy to provide the circuits and more detailed information.

Once the separated clock and data are obtained at the output of the bit synchronizer, the processing becomes entirely digital. However, the high bit rate, 2.11 MBPS, and the requirement to locate specific patterns in the data stream to identify image boundarys precludes feeding the data directly into a personal computer serial data port. Even "turbo" speed PC's would not be able to ingest this data and separate telemetry from image bytes at the required rate. Fortunately the task can be done simply in dedicated hardware and provide organized image data to the PC from memory mapped onto its own data bus.

The basic frame of stretched VAS data is organized as 12 blocks, each lasting 50 milliseconds. This entire frame, which takes 600 milliseconds, is transmitted during one revolution of the satellite spinning at 100 rpm. The beginning of each block is identified by a unique 10,032 bit pattern in the data. The frame synchronizer must identify a fragment (or all) of this pattern precisely and then use the identification time as a reference point from which to count out bits and words representing the desired images. Several methods exist for identifying this initial block synchronization word. Digital correlation by integrated circuits such as the TRW 1023 is straightforward but expensive. The method used in the present circuit designs compare the ongoing data bit stream with the output of a PN sequence generator which itself produces the synchronizing pattern. If there is a mismatch, the local generator is restarted. Eventually there will be coincidence between the two patterns and when they have run togather to the end of the sequence, a flag is set for other circuits to begin operating. The local generator is allowed to continue running because the data must be multiplied by this sequence to remove a randomizing function imposed at the transmitter.

The organization of data in the 12 blocks of each line is described in the NOAA/NESDIS publication "Operational VAS Mode AAA Format, Specification SFP 002 - Version 2.2". Each block consists of a general information header giving the block number and other details, and an information field containing image documentation and the image data itself. The frame of 12 blocks contains data for 1 line of infrared image in two different spectral bands and data for 8 consecutive lines of visible spectrum image. There are 3822 ten bit image words in the infrared blocks and 15,802 six bit image words in the visible spectrum blocks. The documentation fields of these blocks contain a wealth of information for calibration, gridding, location of the field of view, orbit parameters, and so forth. There is so much information, not to mention so many image words, that the primary design task for a low cost system is deciding what to eliminate. The principle technique for simplifying the reception hardware and lowering its cost is to select a small portion (512 bytes) of the incoming data which is adaquate for the users purposes and saving only that portion in a cache RAM. At the end of the block there is adaquate time to transfer this cache into the associated personal computer. The cache interface hardware is configurable for selection parameters, mainly the number of consequtive image words to skip, so that different geographic coverages can be achieved. By saving only every 30th image word for example, the entire width of the full globe can be displayed in a 512 byte image line. The actual resolution in this image would be quite low, of course, but when smaller geographic areas are desired, fewer image words are omitted and the resolution is approximately matched to the field of view.

The design of the cache RAM and associated timing hardware will be highly specific to the personal computer selected for data handling and display. The present frame synchronizer circuits are intended to work with the common XT class computer. This interface maps the temporary cache storage into the XT memory space and issues interrupts at the beginning and end of each data block. The beginning interrupt allows identification of the block and a decision on keeping or skipping that block. If it is to be kept, the data is transfered out of the local memory following the subsequent interrupt and directly into the image frame buffer memory for immediate display of the line. This technique avoids any requirement for extended memory on the main computer bus. Timing parameters are set up through several I/O ports on the interface. In addition to image data, the general information telemetry available in the IR blocks 1 and 2 is extracted, displayed and updated on the XT computer screen once per line.

High speed operation of the computer is not a prerequisite, my system operates at the lowest common clock speed, 4.7 MHZ, and adaquate time is available for collecting 512 data bytes per image line and transfering them to the display memory.

FRAME BUFFER

As in the choice of computer, the choice of a frame buffer for video image display is wide. The conventional CGA and EGA display cards are not suitable for the purpose because their resolution and grey scale are too restricted for satisfactory VAS images. Some of the recent VGA displays will provide 640 pixels x 480 lines at 256 colors/grey shades which is adaquate for some uses. A more satisfactory solution, still at moderate cost, is to use an "image processing" type frame buffer card available from several manufacturers for both XT and AT class computers.
The minimum configuration of these buffers is 512 pixels x 512 lines at 256 colors/grey shades and a typical example is the AT&T TARGA model M8 in the $2000 price class. This is entirely satisfactory for monochrome VAS image display and allows experimentation with color representation of albedo.

The final consideration in the low cost system assembled around the XT or similar personal computer is longer term storage of the images. The technique described stores the image in the local memory of the frame buffer while it is viewed. If it is to be saved it can be transfered out of the frame buffer onto fixed disk or floppy disk. One 512 x 512 image will require 225K of storage space but this can be reduced by any of the popular "archive" data compression programs to about 150K.

======================= DATALINK BULLETIN MENU =====================
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--- rfmail 0.3.9
 * Origin: Fidonet.gen.nz Usenet <====> Fido Gateway.   (3:771/170.0)
SEEN-BY: 771/110 170 180 772/20
FSC-Control: PATH: 771/110

From 929267360393133825
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,da9323d5c8a6692
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-10 20:05:26 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!mips!max!crisp
From: crisp@mips.COM (Richard Crisp)
Newsgroups: rec.ham-radio
Subject: GOES/Satellites
Message-ID: <43044@mips.mips.COM>
Date: 11 Nov 90 04:05:26 GMT
Sender: news@mips.COM
Reply-To: crisp@mips.COM (Richard Crisp)
Organization: MIPS Computer Systems, Inc.
Lines: 772
Posted: Sun Nov 11 05:05:26 1990

I remember someone asking for GOES info. This is something I got of the Datalink BBS some time back.

A Low Cost GOES VAS Imaging System for PC/XT/AT Host Systems

John L. DuBois W1HDX

One of the sources of the global cloud pictures which we see transmitted over the WEFAX channel from the GOES satellites at 1691 megahertz is the VAS instrument (Visible and infrared spin scan radiometer Atmospheric Sounder) carried on the same satellites. This instrument was called VISSR (Visible and Infrared Spin Scan Radiometer) on the earlier GOES 1,2 and 3 satellites and did not have the extended multispectral capabilities of the current imagers. We do not see the original images over WEFAX, however. They have been received, processed and retransmitted at least twice before making it to the WEFAX channel.

VAS visible light images of the full globe originate as 14560 lines, each with 15288 picture elements which provides ground resolution of about 1 kilometer. The idea of receiving these original images, in full detail before any processing, has fascinated me since first learning about them. As I will show in a series of articles, it is possible for an amateur weather satellite hobbyist to assemble equipment to receive them for about two orders of magnitude less cost than a $500,000 commercial system.

Even though the cost is within reason, building such a system is not simple and it is not practical to describe in one or two articles. Therefore my plan is to present the material in a series of modest size installments. This will not be a detailed construction guide and some of the material will be quite technical. Nevertheless,it is a project well within the capbility of an advanced amateur or engineering student and I will present sufficient information, circuits and software to allow duplication.

This first installment will cover some personal history, an explanation of the data available from the VAS imager, how this data is transmitted and the requirements for an antenna and low noise preamplifier (LNA).

In 1977 I became interested in weather pictures from space as an outgrowth of my amateur radio involvement with AMSAT ... the organization of hams who build and operate amateur communication satellites. I had earlier discovered and listened with fascination to ham conversations from OSCAR-7 and to tones on 137 mhz from NOAA-4, the polar orbit weather satellite. I could not wait to jump into both activities. Within a few months a tangle of equipment was working and I could talk through OSCAR-7 while APT watching pictures of the 20 or so minute pass of NOAA-4 over the eastern United States. These pictures, while thrilling, were also puzzling ... up to that time the only satellite weather pictures I had seen were in the newspaper and they showed a neat, centered, view of the continental United States. The NOAA-4 pictures were certainly not the source of what I had seen. Well, in due course I learned about GOES. Of course ... this was the way to get my own version of the newspaper pictures.

There was a few week delay while I figured out how to build an antenna, preamplifier and converter for 1691 megahertz. Finally everything was working and the first picture, from GOES EAST, was on the screen of a small Tektronix storage scope. Now what was wrong ??? ... there was a quarter of the earth in this picture and, although it was indeed the northeast quarter, the only part of the United States visible was part of New England and it was scrunched into a tiny region in the upper left hand corner. Oh well, what I wanted was probably in the northwest quadrant view. A few minutes later, the northwest quadrant was on the screen. @$!##&*. Now the rest of the United States was visible but it was scrunched into the upper right corner and it was barely possible to separate one state from another.... a far cry from the newspaper photos which had set me off on this pursuit !

This experience was the seed of an effort which was to occupy much of my spare hobby time over the next ten years. The next step was to learn just where the clear newspaper weather pictures of the United States were coming from and why there was little, if any, resemblence to what was coming off the WEFAX images from GOES. After hours of phone calls and questions directed all over the country, I finally obtained a good description of the GOES system and found the answer: high resolution digital image data (after a great deal of handling by NOAA) is distributed to users, such as media wire service networks, who format it for their own purposes. Images in these formats never get even close to the WEFAX network ! So .... I wasn't going to be able to get those newspaper type pictures ... or was I ? .... how about receiving the digital data directly ? Lets see what GOES is really transmitting :

A good overview of the current GOES satellites is found in the "GOES D, E, F Data Book" published by NOAA. GOES carries a wide variety of remote sensing and communications equipment. In addition to visible and multispectral infrared imaging, it monitors the earths' magnetic field, high energy particle flux in the vicinity of the satellite, and x-ray emissions from the sun. In addition a transponder system collects data from remote instrument platforms on the earth and retransmits it to central processing points. Also on board is WEFAX, actually just a facsimile picture distribution system. Any document (not necessarily related to weather, as we ocasionally see) put in front of the camera at Suitland Maryland is broadcast. In addition to all this there are several radio channels dedicated to housekeeping and navigation.

The VAS images are created, visible and infrared simultaneously, by light from the earth falling on a vertical scanning mirror. It then passes through a mirror optical system and filters which focus it on the respective visible and infrared sensors. This is a point focus on small sensors representing an individual picture element. Scanning to form the image comes, in the horizontal direction, from the spin of the spacecraft and, in the vertical direction, from stepping of the vertical scan mirror. The spin is 100 revolutions per minute or 600 milliseconds per horizontal scan. After each revolution the vertical mirror is stepped to bring the next "strip" of earth into view of the sensors. There are 1820 steps of this mirror so the whole image takes 18.2 minutes. There are multiple sensors at the focal point of the optical system so that at each sampling instant of the horizontal scan, two infrared and eight visible samples are taken. For the infrared, the optical resolution is such that these two samples represent about the same region on the earth but they are measuring different wavelengths. For the visible, however, the optics are arranged so that the eight simultaneous samples show a vertical strip of image. In this way, eight lines of the visible image are formed for each spin of the satellite.

A digital multiplexer takes the eight visible samples, the two infrared samples and various other samples of telemetry data and formats them into a digital data stream at 28 megabits per second. The data is four-phase modulated (QPSK) on a carrier at 1681.6 megahertz and transmitted to earth through a small 18 db gain parabolic antenna. This antenna is "despun" or fixed in attitude while the rest of the satellite spins under it so that it can be precisely pointed at the earth. This transmission of 28mbps QPSK data at 1681 mhz is quite difficult to receive. So difficult in fact, that it was never planned in the overall GOES mission for direct distribution users to receive it. Instead, a more "user-friendly" signal called SVISSR (Stretched VISSR) was designed into the system. This is essentialy the same data sent at a lower data rate (2.11 mbps) which greatly eases the burden on direct users. Stretched VISSR, or more correctly now, stretched VAS, is the signal which a handful of professional, government and university users around the world pick up to obtain high resolution digital image data from GOES. SVAS, then, is our objective. If we can find a way to receive and process this signal, we will have the very same data and images which are used to generate WEFAX products as well as many other images for professional weather applications.

The details of how all the image samples are formatted for transmission by SVAS will be described in next article. We must first discuss the radio signal in order to determine the equipment necessary for reception. SVAS is transmitted at 1687.1 megahertz. The data stream is modulated onto the carrier as bi-phase modulation (BPSK), 0 and 180 degrees. The data bit rate is 2.11 megabits per second. The spectrum of this kind of a signal is wide band compared to WEFAX. It consists of a broad spread of power between nulls at the carrier frequency +/- N times the bit rate. Figure 1 shows a typical SVAS spectrum. The broad peak in the middle is from the SVAS signal. Its power spectrum continues on either side of this peak in a series of nulls and additional smaller peaks which are largely hidden in the noise in this picture. (The two sharp peaks on either side of the middle are other transmissions. The one on the right is the WEFAX signal at 1691 MHZ.) There is a barely visible notch at the exact middle of the SVAS spectrum. This is the carrier frequency point but the notch confirms a theoretical property of BPSK modulated signals ... the carrier is absent. This gives BPSK a high efficiency, power is not wasted in a transmitted carrier. (The notch does not go to zero on the spectrum display because of limited resolution.) It is necessary to include at least the central "lobe", which is 4 MHZ wide here, and preferably the first two "side-lobes", which would require 8 MHZ, in the receiver bandpass order to preserve signal quality. Quality, expressed as signal to noise ratio (S/N), is precious in a SVAS system and it must be preserved at every possible point.

So we have a wide band signal at 1687.1 mhz ... how weak is it and what will be needed for a receiver? Well, we must consider the antenna and LNA before the receiver or any data processing. It will turn out that these components will make or break the whole system. We can do a few calculations, look at the requirements they produce and decide to go on or quit right there. The major problems in duplicating a SVAS system are likely to occur here.

Now it is necessary to get technical. The following equations provide the tools to determine whether the space and resources you have will allow SVAS reception. The signal to noise ratio (S/N) at the receiver input is expressed by equation 1.

$$S/N = (EIRP)*G / (K*T*B*L) \qquad 1)$$

Where: S = unmodulated signal power
$EIRP$ = effective isotropic radiated power from GOES
G = receive antenna gain
L = path loss at channel frequency
K = Boltzman's constant
B = channel bandwidth
T = equivalent receiver input noise temperature

S/N can also be expressed as the the ratio of energy per data bit to noise density by equation 2:

$$S/N = R*Eb/B*No \qquad 2)$$

Where: R = bit rate
Eb = energy per bit
B = channel bandwidth
No = noise density

We can find published curves for a perfect demodulator which relate Eb/No to the bit error rate. The bit error rate is a better quantity than Eb/No to specify because it describes what we really care about ... data errors. So we will use these curves to get Eb/No for equation 2.

Now set equations 1 and 2 equal, eliminating S/N, to obtain G/T as equation 3. G/T describes the performance required of the system "front end" under a given set of channel and transmitter parameters for the desired bit error rate. Equation 4 converts this to decibel form. An additional term M has been added to equation 4 to account for miscelaneous losses such as feedline, polarization loss, etc.

$$G/T = (Eb*R*K*L) / (No*EIRP) \qquad 3)$$

$$G/T = E_b/N_o \text{ db} - \text{EIRP dbm} - K \text{ dbm} + L \text{ db} + 10 \log R + M \text{ db} \qquad 4)$$

Typical values of these parameters for GOES VAS are:

EIRP = 55 dbm
L = 189.3 db at 1687 Mhz
K = 198.6 dbm
Eb/No = 10.6 db for Pe = 10E-6
R = 2,110,360 bits/sec --> 63.25 db
M = 3 db

We plug these numbers into equation 4, and obtain 12.5 db as the required G/T. This may be related to antenna size and LNA performance by making a few realistic assumptions:

a) Antenna noise temperature = 70 K
b) LNA gain and receiver noise temperature are adaquate for the LNA to control overall noise temperature.
c) Antenna feed efficiency = .55

Now we tabulate the results for some common antenna sizes. The "maximum" figures are the largest these quantities can be and still maintain a 10E-6 bit error rate:

Antenna Dia.	Antenna Gain	Maximum System Noise T	Maximum LNA Noise Temp.	Maximum LNA Noise Fig.
24 ft.	40 db	562 K	492 K	4.3 db
18	37	282	212	2.4
16	36	224	154	1.8
12	34	141	71	.95
10	32	89	19	.28

The "bottom line" of this table is how good the LNA must be for each antenna size. We can pick the antenna likely to get past our budget, wife, zoning board etc. and then see what is required for an LNA. There is a little, ... very little, padding in the assumptions from the M (miscellaneous) factor but this will disappear fast in connectors, cables, pointing error etc. etc. I can assure you from experience that the table is not just fancy theory. It means what it says, there will be no pictures, or very poor pictures, with a 12 foot antenna if the LNA noise figure is much worse than 1 db !

Fortunately, the television satellite receive only (TVRO) industry, although not as healthy today as it was two years ago, has provided us with a good source of antennas. It is relatively easy to obtain TVRO antennas at modest cost up to 16 feet in diameter. The LNA required for a 10 foot diameter is clearly impractical but 71 degrees, as required for a 12 foot antenna, is within reach of modest cost commercial LNAs. Practical amateur LNA designs would probably fall in the area of

154 degrees and require a 16 foot diameter. Therefore we can conclude that the necessary GOES SVAS antenna size is in the range from 12 to 16 feet diameter. We must watch out for a sneaky assumption in the table, however: the LNA gain must be high enough to control system noise figure. This means that single stage (typically 14 db gain) designs will normally not be adaquate. For example, if the LNA has a noise figure of 1 db (75 deg. K) and a gain of 14 db then when used with a downconverter which alone has a noise figure of 6 db (864 deg. K) the overall noise figure will be 1.4 db (109 deg. K). This is a degradation of 34 degrees K in noise temperature which could make the differnce between good and poor pictures with a 12 foot antenna. A minimum of two stages with about 30 db gain is required for the LNA to control the overall noise figure with most downconverters.

To summarize, you will need a 12 foot diameter dish antenna with a very good LNA (probably not home built) or a 16 foot diameter dish with an LNA which could possibly be home made. Since GOES is a geostationary satellite, any of the commercial mounts made for TVRO satellites will be quite suitable. The feed horn cannot, of course, be the same as for TVRO but that is no problem. The very same feedhorn designs we have been using for years on WEFAX are inherently wideband designs. They will work as well for for the SVAS signal at 1687 MHZ as for WEFAX at 1691 MHZ. I will give a design in the next article for such a feed horn but these designs have been published many times in the WEFAX literature. Figures 2 and 3 show my antenna system. It is a 13 foot diameter dish made by Hero Corporation in Hileah Florida. The aluminum feed horn is the design I will be presenting next time. The mount is an old azimuth-elevation type made by KLM Corporation for TVRO. It is no longer in production, but az-el is really not necessary, I simply had it on hand.

I will not be giving circuit or construction details for the LNA. It is a difficult, tricky, matter to build a LNA with a true noise figure less than 1 db at 1687 Mhz, even for professionals. It was almost impossible ten years ago, and just hard now. (This fact, by the way, is the reason most literature assumes amateurs will not be building VISSR or VAS receiving systems. Fifteen to twenty years ago when the GOES system was designed, LNAs of the quality possible now did not exist and it was absolutely necessary to use an antenna of 24 feet diameter or larger. It seemed inconceivable that amateurs would build these. Of course there is ham "EME", but that is another story.) Consequently, I would suggest that the best approach is to purchase a suitable LNA. One company, Wilmanco, (19529 Business Center Drive, Northridge California 91324) has available a model 1687LNA for about $700.00. An example of an LNA design which could be home built appears in QST, August 1984, page 65. Another example appears in VHF Communications, Volume 3-1984, pages 130-136. The latter article presents a single stage low noise LNA as well as a two stage design with higher noise. For these designs to be effective, the two separate LNA's should be cascaded ... an approach which could also be used with commercial single stage LNA's such as the Microwave Modules MMG1691. Again, however, building and sucessfuly adjusting a two stage LNA is not recommended unless you have specific experience in this area. The LNA in my system is the Wilmanco and it is mounted in a housing at the rear of the horn feed. The LNA must be mounted here. If you put more than 1 foot of coaxial cable between the antenna feed and the LNA, you will seriously degrade system noise performance and waste money spent for both the antenna and LNA.

Note Added 1 March 1989:

Since these articles were first written, the situation regarding an adaquate home built LNA has changed substantially. A very satisfactory design which can be home made without elaborate test equipment or great skill appears in the Spring 1989 volume of the JESAUG (Journal of the Environmental Satellite Amateur Users Group). This design is capable of about .6 db noise figure and simultaneous 36 db gain.

Almost any previously published design for a WEFAX feedhorn for 1691 MHZ, such as the one found in Ralph Taggarts' "Weather Satellite Handbook" can be used for VISSR since the bandwidth of these designs is at least 100 MHZ. The reason that I present another design has to do with the horn material. Previous designs, such as Taggarts', suggest using a 1 pound coffee can for the cylinder. While the dimensions of a standard coffee can are fortuitously good, the plated steel material is not unless it is carefully painted to prevent rust. If you do not repaint or if you casually add just a little, I have found them to rust badly in one to three New England winters. A warmer, more arrid, climate will allow much longer service but in case you don't live in such a locale, the aluminum design sidesteps the rust problem and helps preserve precious S/N ratio. The aluminum can needed for this design is a Zero Corporation #ZTR-81B and semi-difficult to obtain in small quantities. Anyone wishing to build this design should contact the author regarding availability of the can.

The LNA should be mounted as close as possible to the probe in the dish feed horn. This means building a weather resistant housing on the back or side of the feed horn to enclose the LNA and running no more than a foot of 50 ohm coax to the probe. A little cable here, with a few tenths of a db loss, may help the stability of a marginal LNA but any more than about half a db will be sorely missed from system S/N ratio. The LNA output, if it is a two stage design with over 25 db of gain, will be able to drive up to about 100 ft. of 50 ohm coax.

The next link in the system is the downconverter. There are a number of options here, both commercial and homebuilt. Noise figure and gain of the downconverter, while less important than those of the LNA, cannot be neglected altogather for VISSR use. The VISSR signal is centered on 1687.1 MHZ and occupies about 6 MHZ of bandwidth. Fortunately most WEFAX downconverters are sufficiently broadband that there is no practical difference in input tuning for the VISSR signal as compared to WEFAX. A typical input bandwidth is at least 50 MHZ and this will cover both signals easily. The output frequency, however, will not be the typical 137.5 MHZ. There is no receiver in the usual sense in a VISSR system. The output of the downconverter is amplified, filtered to limit the noise bandwidth and fed to a phase detector where the data is demodulated. Therefore the choice of output frequency for the downconverter must be suitable for easy amplification, filtering and phase demodulation. There is considerable lattitude in choosing this frequency, it can range from about 10 MHZ to 100 MHZ, but a very convenient choice is 70 MHZ. This is convenient because it is used by many radar, television and digital data systems. Parts such as filters, ampilfiers and phase demodulator components are more easily obtained for 70 MHZ than for other possible choices. The downconverter must therefore produce a 70 MHZ output for 1687.1 MHZ input. For homebuilt circuits this is not a difficult design change, simply recalculating the crystal and revising the output amplifier coil or transformer to resonate at 70 MHZ, keeping in mind that the Q should be low enough to allow at least a 6 to 8 MHZ bandwidth. One caution should be noted regarding the choice of 70 MHZ, however. Television broadcast channel 4 occupies the slot between 66 MHZ and 72 MHZ with the picture carrier at 68.25 MHZ. To avoid interference from a strong channel 4, all of the wiring and chassis from the downconverter through the IF amplifier and phase demodulator should be well shielded.

Among commercial downconverters, the Microwave Modules MMK1691/xxxx is a suitable choice in the $275 price class (as of 1987). The xxxx in the model number refers to the IF output frequency. It is usually sold as MMK1691/137.5 with a 137.5 MHZ IF. One of these can be readily modified for 70 MHZ output by changing the oscillator crystal to 89.8333 MHZ, rewinding the two IF output stage coils, and retuning. It can also be ordered, at slightly higher cost, as MMK1691/70 with the modifications already made. Either way the resulting downconverter will have a conversion gain of 25 to 30 db and a noise figure of about 3 db which is fine for VISSR use.

Looking again at signal levels, with a 13 foot antenna, a feed horn similar to that described, "dead on" pointing of the antenna and polarization of the feed horn, you can expect a signal at the input to the LNA between -105 dbm and -112 dbm. The uncertainty comes from possible differences in antenna and feed efficiency, and other miscellaneous losses. With a 25 db or more gain LNA such as the Wilmanco, and 50 feet or less of good coaxial cable such as RG213, the input to the downconverter will be about -85 dbm. With a 27 db conversion gain, typical of the MMK1691/70, the signal out will be about -58 dbm, centered on 70 MHZ.

The next block of the system will be a 70 MHZ IF amplifier to filter and bring this level from -58 dbm up to -10 dbm. There must be reserve for level adjustment so the total gain required is about 60 db. The minimum bandwidth of this amplifier is 4 MHZ at +/- 3 db. The maximum bandwidth is not critical but should be less than 10 MHZ since excess bandwidth here will degrade the system S/N ratio which we are trying to preserve or enhance in every cost effective way that we can. There are a number of ways to obtain the IF amplifier. Surplus equipment available at flea markets will include radar, television distribution, digital radio or TVRO IF strips which can be used with little or no modification. Commercial amplifiers are of course available with appropriate specifications but these can be very expensive. A third way to go is to build the amplifier yourself. At 70 MHZ, parts layout is not exceptionaly sensitive and if you have had a little experience with RF circuits then this approach is practical. Figure 5 gives a suitable design.

This is a high gain RF circuit and must be built with good RF construction practice. This means short leads, a ground plane under the parts, and good decoupling on the 12 volt power supply distribution. The AGC control will be adjusted to provide about -15 dbm output at 70 MHZ to the demodulator. The maximum gain available is about 65 db which should be sufficient for even a low gain downconverter. The bandwidth is about 12 MHZ, which is larger than necessary but the single tuned response produces a smooth low distortion phase slope at the edges.

Assuming that we now have the 70 MHZ signal at about -10 dbm, the next step is a phase demodulator. This circuit is a little tricky. The binary data has been modulated onto the carrier as BPSK, zeros are sent with the carrier phase unchanged while ones are sent with the carrier phase shifted 180 degrees or inverted. In order to build a practical phase detector it is necessary to have a replica of the exact carrier frequency, however the spectrum of the received BPSK signal has no component at the center to define this carrier frequency. An ordinary phase locked loop, for example, cannot be used since there is no carrier for it to lock onto. There are a number of circuits in the literature which have been devised to deal with this problem and all depend on some kind of nonlinear operation on the signal to recover the carrier. For example, squaring will produce a component at twice the carrier frequency which can be divided by two to yield the desired signal. For VISSR use, a good circuit choice is the Costas Loop.

The Costas Loop is a variation on a phase locked loop which compensates for the lack of carrier, or expressed in another way, it compensates for the phase reversals of the carrier. Figure 6 is a block diagram of the Costas Loop. The input signal is split into two channels and mixed (multiplied) by the local voltage controlled oscillator at zero and ninety degrees phase shift. The baseband output of the mixers is filtered by lowpass filters with a cutoff just above the data rate. These filters are the final determination of overall noise bandwidth. The two channels are then multiplied togather and the output fed as correction to the VCO. Demodulated data appears at one of the lowpass filter outputs and frequency error appears at the other. In a crude way the loop operation can be understood by thinking of the data input to the VCO multiplier as reversing the correction phase at the proper times to be in step with the carrier phase reversals and therefore fooling the VCO into behaving as in an ordinary phase locked loop. At any rate, it does work and the output from this circuit is the VISSR data stream we want, at 2.11 MBPS. Trying to examine this data stream on a scope, by the way, is an exercise in futility unless it is a storage scope. If you trigger on the transitions with a non-storage scope, sucessive lines will overlay and you will not see individual ones and zeros, just their superposition. This is commonly called an "eye" pattern and is very useful anyway in diagnosing signal quality. The degree to which the center part of the eye is clean and free of any out-of-place transitions is a measure of S/N. For sucessful VISSR pictures, the eye must be at least 80% open, hopefully more.

A detailed schematic of the Costas Loop demodulator appears in figures 7A & 7B. The only part of the circuit which requires care in layout and construction is the 70 MHZ voltage controled oscillator and amplifiers. This section should be built above a ground plane with short leads and good power supply decoupling to prevent any parasitic oscillation. The remainder of the circuit is not critical as long as reasonable rf construction practice is followed.

The lock bandwidth of the loop will depend on 70 MHZ input level and should be adjusted to about -15 dbm. The loop is tuned by observing the output on an oscilloscope while adjusting the VCO with the 10K tuning potentiometer. The loop time constant is about 1 second, so the adjustment should be made slowly. As the VCO approaches 70 MHZ, the output will show a beat frequency which will clearly lock at 2.11 MHZ. It may be necessary to tune to the other side of lock and back up as the lock character is not symmetrical around the lock point.

The raw data stream out of the demodulator contains the combined VAS data and clock which have been exclusive or multiplied togather. The quality of the signal can be judged as described above by triggering an oscilloscope on the signal transitions and adjusting sweep speed for about 2 bit times across the screen. It will be normal to see lots of jitter on the edges but the pattern should be free of noise and stray transitions in at least 80% of the middle of each eye.

The next block of the system is the bit synchronizer to separate the clock and data which have been combined into this bit stream. At this point we are recovering a bit stream in which the data and clock have been multiplied togather. This is a very simple, binary, operation done by an exclusive OR cicuit where the data is one input and the clock is the other. It is done to increase the transmission efficiency. Sending the clock on a separate channel would be wasteful since it carries very little information, only its phase and frequency. Reversing the process to separate data and clock again, however, is not so simple. The problem is that after the multiplication we don't know readily whether a particular transition belongs to the clock or the data. It is only in the longer term (many bit times) that we can be sure that there have been on average, R, clock transitions where R is the clock rate.

This fact, that on average the bit stream carries a constant clock rate, is the clue to clock recovery. In the frequency domain, if we look at the bit stream on a spectrum analyizer, there will be multiple peaks spaced at the clock rate. A straightforward idea for recovery is to feed the bit stream to a phase lock loop and see if it will synchronize to the "hidden" clock. This almost works. The problem is that except for special cases, even though the spectrum peaks are spaced at the clock rate, there are nulls at the actual clock frequency and its multiples. There are a multitude of spectrum lines for the PLL to lock on, but none at exactly the right frequency ! Fortunately the solution is easy for moderate to high signal to noise ratios. If we feed this bit stream to a nonlinear circuit of some kind (almost any kind) we will regenerate spectrum lines at the clock rate and its multiples. By filtering out the fundamental and feeding this to the PLL, we will have recovered the pure clock. The bandwidth of the PLL must be set low enough to suppress phase jitter from the "random" data transitions but this is not a critical parameter.

A suitable circuit for clock recovery appears in figure 1. The first section of this circuit is simply a filter matched closely to the spectrum of the data bit stream in order to remove noise as far as possible without cutting into the information itself. Following this is an edge detector or differentiator which forms short pulses on the edges of the filtered waveform. For a noise free signal this would produce a "spike" at each edge of bit stream. This is the nonlinear operation which regenerates the clock lines in the spectrum. The pulses are then used to synchronize a PLL running at twice the clock rate. The 2 x clock line is strongest in the regenerated spectrum and most reliable for PLL lock. The PLL frequency divided by 2 then yields the 2.11 MHZ clock we need to synchronize further operations.

In order to complete the process of deriving a separate clock and data stream we must account for the NRZ-S coding of data prior to combination with the clock. NRZ-S coding replaces the original data with a transition, either 1 to 0 or 0 to 1 depending on the original state, when the source data is a zero. If the source data is a 1 then the output stays in its original state. For example a continuous data 1 would produce no output transitions while a continuous data 0 would produce a square wave output at the bit rate. In the VAS case it is this NRZ-S coded data which has been multiplied by the clock. The HC175 and exclusive-OR gate in the circuit of figure 1 strip off this encoding and produce a clean, separated data output. Additional circuitry in figure 1 examines the data stream for coherence between the clock and provides a signal to indicate whether or not there is valid data coming out. If there is, the "BIT SYNC" light comes on. During normal operation this light will blink out during the 50 millisecond period every spin (600 milliseconds) when the VAS transmitter is turned off.

FRAME SYNCHRONIZER

Now we arrive at something of a problem in planning. The current format of VAS data is organized according to a scheme called "Mode AAA". This specifies the exact placement of telemetry data, image data, and synchronizing bits within the overall flow of data and must be used to comb out the images we want. The frame synchronizer is a very specific, dedicated design which uses the format description to arrive, finally, at individual image bytes which can be placed in an image frame buffer to display the pictures. Unfortunately, NOAA is currently in the process of revising this formatting scheme to another version called "GVAR" to be effective with the launch of the next GOES satellite sometime in late 1989 or 1990. As a result my design for the frame synchronizer, while it works fine today and can be duplicated, will only be valid until the next GOES launch. I will be revising the frame synchronizer design to work with GVAR but this won't be completed until late this year or early 1989. Consequently the remainder of this article will be more of an overview of the circuits and process than in previous sections. If any readers do want to duplicate the mode AAA circuitry I will be happy to provide the circuits and more detailed information.

Once the separated clock and data are obtained at the output of the bit synchronizer, the processing becomes entirely digital. However, the high bit rate, 2.11 MBPS, and the requirement to locate specific patterns in the data stream to identify image boundarys precludes feeding the data directly into a personal computer serial data port. Even "turbo" speed PC's would not be able to ingest this data and separate telemetry from image bytes at the required rate. Fortunately the task can be done simply in dedicated hardware and provide organized image data to the PC from memory mapped onto its own data bus.

The basic frame of stretched VAS data is organized as 12 blocks, each lasting 50 milliseconds. This entire frame, which takes 600 milliseconds, is transmitted during one revolution of the satellite spinning at 100 rpm. The beginning of each block is identified by a unique 10,032 bit pattern in the data. The frame synchronizer must identify a fragment (or all) of this pattern precisely and then use the identification time as a reference point from which to count out bits and words representing the desired images. Several methods exist for identifying this initial block synchronization word. Digital correlation by integrated circuits such as the TRW 1023 is straightforward but expensive. The method used in the present circuit designs compare the ongoing data bit stream with the output of a PN sequence generator which itself produces the synchronizing pattern. If there is a mismatch, the local generator is restarted. Eventually there will be coincidence between the two patterns and when they have run togather to the end of the sequence, a flag is set for other circuits to begin operating. The local generator is allowed to continue running because the data must be multiplied by this sequence to remove a randomizing function imposed at the transmitter.

The organization of data in the 12 blocks of each line is described in the NOAA/NESDIS publication "Operational VAS Mode AAA Format, Specification SFP 002 - Version 2.2". Each block consists of a general information header giving the block number and other details, and an information field containing image documentation and the image data itself. The frame of 12 blocks contains data for 1 line of infrared image in two different spectral bands and data for 8 consecutive lines of visible spectrum image. There are 3822 ten bit image words in the infrared blocks and 15,802 six bit image words in the visible spectrum blocks. The documentation fields of these blocks contain a wealth of information for calibration, gridding, location of the field of view, orbit parameters, and so forth. There is so much information, not to mention so many image words, that the primary design task for a low cost system is deciding what to eliminate. The principle technique for simplifying the reception hardware and lowering its cost is to select a small portion (512 bytes) of the incoming data which is adaquate for the users purposes and saving only that portion in a cache RAM. At the end of the block there is adaquate time to transfer this cache into the associated personal computer. The cache interface hardware is configurable for selection parameters, mainly the number of consequtive image words to skip, so that different geographic coverages can be achieved. By saving only every 30th image word for example, the entire width of the full globe can be displayed in a 512 byte image line. The actual resolution in this image would be quite low, of course, but when smaller geographic areas are desired, fewer image words are omitted and the resolution is approximately matched to the field of view.

The design of the cache RAM and associated timing hardware will be highly specific to the personal computer selected for data handling and display. The present frame synchronizer circuits are intended to work with the common XT class computer. This interface maps the temporary cache storage into the XT memory space and issues interrupts at the beginning and end of each data block. The beginning interrupt allows identification of the block and a decision on keeping or skipping that block. If it is to be kept, the data is transfered out of the local memory following the subsequent interrupt and directly into the image frame buffer memory for immediate display of the line. This technique avoids any requirement for extended memory on the main computer bus. Timing parameters are set up through several I/O ports on the interface. In addition to image data, the general information telemetry available in the IR blocks 1 and 2 is extracted, displayed and updated on the XT computer screen once per line.

High speed operation of the computer is not a prerequisite, my system operates at the lowest common clock speed, 4.7 MHZ, and adaquate time is available for collecting 512 data bytes per image line and transfering them to the display memory.

FRAME BUFFER

As in the choice of computer, the choice of a frame buffer for video image display is wide. The conventional CGA and EGA display cards are not suitable for the purpose because their resolution and grey scale are too restricted for satisfactory VAS images. Some of the recent VGA displays will provide 640 pixels x 480 lines at 256 colors/grey shades which is adaquate for some uses. A more satisfactory solution, still at moderate cost, is to use an "image processing" type frame buffer card available from several manufacturers for both XT and AT class computers.
The minimum configuration of these buffers is 512 pixels x 512 lines at 256 colors/grey shades and a typical example is the AT&T TARGA model M8 in the $2000 price class. This is entirely satisfactory for monochrome VAS image display and allows experimentation with color representation of albedo.

The final consideration in the low cost system assembled around the XT or similar personal computer is longer term storage of the images. The technique described stores the image in the local memory of the frame buffer while it is viewed. If it is to be saved it can be transfered out of the frame buffer onto fixed disk or floppy disk. One 512 x 512 image will require 225K of storage space but this can be reduced by any of the popular "archive" data compression programs to about 150K.

======================= DATALINK BULLETIN MENU =======================

--

Richard Crisp crisp@mips.com

```
         MIPS Computer Systems        !decwrl!mips!crisp
          928 Arques MS 2-02            (408) 524-8177
          Sunnyvale, Ca 94086
```

From -1191746684555275605
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f9532,4309ddbee472a674,start
X-Google-Attributes: gidf9532,public
X-Google-Thread: 10c9e3,4309ddbee472a674,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,4309ddbee472a674,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-11-10 21:35:55 PST
Path: gmdzi!unido!mcsun!uunet!cbmvax!heimat!dan
From: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Newsgroups: rec.ham-radio,rec.radio.shortwave,misc.wanted
Subject: Help with MFJ-1278 needed!
Message-ID: <219@heimat.UUCP>
Date: 11 Nov 90 05:35:55 GMT
Reply-To: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Organization: Sneakers Computing, West Lawn, PA
Lines: 22
Xref: gmdzi rec.ham-radio:16716 rec.radio.shortwave:2665 misc.wanted:5924
Posted: Sun Nov 11 06:35:55 1990

-=-

Ive just bought a used MFJ-1278 to use at my monitor station and need a bit of help with it. It came with version 0 of the manual (a yellow color). This manual is the worst ive ever seen, it does not list half of the commands available and it has only details on packet. No mention of RTTY, CW, AMTOR, FAX, or SSTV. So if anyone has a list of the commands with options, or can supply info on how to use the amtor, fax, or sstv modes - please share them with me. Ive gotten it to work with RTTY and CW (though CW seems to be a bit flakey) but ill also accept any help with these modes. Packet, well ive done some monitoring but the manual covers al I need to know.

Send all replies via e-mail and ill post a summary if the net wants.

--

```
                               _____
     Dan 'Sneakers' Schein    /     \   Quote:
     Sneakers Computing     \/\/     |        Those who worked the hardest
     2455 McKinley Ave.      |  (o)(o)        are the last to surrender.
     West Lawn, PA 19609     C   .---_)            -= Gary Ward =-
                              | |.___|
                              |  \__/
     uunet!cbmvax!heimat!dan  /_____\  (or)  dan%heimat@commodore.com
```

From -5179406177061849318
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8b81d7003827fdf7

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-10 21:54:09 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!netcom!mcmahan
From: mcmahan@netcom.UUCP (Dave Mc Mahan)
Newsgroups: rec.ham-radio
Subject: Re: DSP workbench
Message-ID: <16611@netcom.UUCP>
Date: 11 Nov 90 05:54:09 GMT
References: <8734@pasteur.Berkeley.EDU>
Organization: Dave McMahan @ NetCom Services
Lines: 43
Posted: Sun Nov 11 06:54:09 1990

In a previous article, phil@east.Berkeley.EDU (Phil Lapsley) writes:
>Perry asked what to me seems like a crucial question for getting people
>to experiment with DSP: Are DSPs as easy to program as Apple II Basic?
>The answer to that question today is a strong "no": today's DSPs
>typically require programming in rather esoteric assembly languages,
>and require the programmer to have a good theoretical knowledge of
>signal processing.

For dedicated DSP applications this is definately true, since the data rate is so high that only fast hardware will do the job. You would be amazed at what can be done on a 68000 these days, though. A bit of creativity and some theory can yield filters, FM demodulators, peak detectors, and other things. You still have to be able to write code that uses tricks and runs fast, though. The theoretical knowledge is also required so you can know the limits of what you want to do. To me, DSP isn't a synonym for "doing lots of math real fast". It means being able to use a CPU to process a continuous stream of numbers to yield a desired result. Of course, being able to bang bits at lightspeed is usually required for all the fun stuff, though.

>Unfortunately, Gabriel is written in Lisp, and requires something like
>a Sparc-1 with 16 MB of memory to use. But as hardware prices fall and
>performance increases, it may not be that long before homebrewers are
>able to afford that sort of setup.

Personally, I like to use MatLab for DSP simulations. It runs on a PC clone (but requires a math co-processor) and contains built in functions to do things like FFT's, digital filtering, etc. You can also write your own functions. Note that this is just a proving ground for your ideas, though. MatLab isn't designed to do things in real time. It's just an easy platform to program up an idea and check out the validity. You will still have to have a good CPU and compiler to implement the concept and handle signals that are live.

>Phil Lapsley, N6TCT   phil@ucbarpa.Berkeley.EDU   ...!ucbvax!phil

-dave

--
Dave McMahan   mcmahan@netcom.uucp
{apple,amdahl,claris}!netcom!mcmahan

From -6773427633728835752
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b579bda9eeacd35e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10a18d,b579bda9eeacd35e,start
X-Google-Attributes: gid10a18d,public
X-Google-ArrivalTime: 1990-11-11 01:16:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!uw-beaver!milton!oregon!cs.uoregon.edu!ogicse!zephyr.ens.tek.com!tekgen!neilr
From: neilr@tekgen.BV.TEK.COM (Neil Robin)
Newsgroups: rec.ham-radio,or.general
Subject: Pwr. Supply Wanted
Keywords: Power Supply
Message-ID: <6878@tekgen.BV.TEK.COM>
Date: 11 Nov 90 09:16:09 GMT
Lines: 29
Xref: gmdzi rec.ham-radio:16722
Posted: Sun Nov 11 10:16:09 1990

Article-I.D.: tekgen.6878
Followup-To: poster
Distribution: or
Organization: Tektronix Inc., Beaverton, Or.
Lines: 23

WANTED   WANTED   WANTED

I'm looking for a 24 VDC power supply with about 7 to 10 amps.
This will be used by the students at Newberg High School for the
study of motors and robotics. Regulation is not critical.

If you have access to something like this, a donation or loan
would be appreciated.   The school has no money for the purchase
of a supply.   If you can help, it will make you feel real good
that you're helping these young people learn about science.

Contact: Terry Coss
          (503) 537-3171
      or
          Neil Robin
          (503) 629-1516 (w)
          neilr@tekgen.bv.TEK.COM.....

Thank You very much for your help.....

```
From 1269291231442320673
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6cd28f64ea1e4a2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,c6cd28f64ea1e4a2
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-11-11 08:55:53 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!pacific.mps.ohio-
state.edu!linac!att!news.cs.indiana.edu!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.uucp (Jim Grubs)
Newsgroups: rec.ham-radio.packet,rec.ham-radio
Subject: Re: Questions, questions, questions
Message-ID: <400.273D4B6D@w8grt.uucp>
Date: 11 Nov 90 16:55:53 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 38
Xref: gmdzi rec.ham-radio.packet:3024 rec.ham-radio:16729
Posted: Sun Nov 11 17:55:53 1990
```

```
 > From: randall@informix.com (Randall Rhea)
 > Date: 10 Nov 90 01:32:17 GMT
 > Organization: Informix Software, Inc.
 > Message-ID: <1990Nov10.013217.13037@informix.com>
 > Newsgroups: rec.ham-radio.packet
 >
 > In article <22071@mvis1.com> jkaidor@synoptics.COM (Jerome Kaidor)
 > writes:
 > >In article <310.273701E0@w8grt.fidonet.org> root@w8grt.fidonet.org (Jim
 > Grubs) writes:
 > >>I wish to ask a fundamental question. Why are there so many questions on
 > this
 > >>newsgroup (and the Fidonet HAM and PACKET echoes) on "How do I plug in the
 >
 > >>power cord?" or "Why isn't the documentation more specific on whether the
 > >>machine screws tighten clockwise or counter clockwise?
 >
 > I understand that an experienced ham would get tired of simple
 > questions.
```

That wasn't the intended thrust of my question. I intended to convey this:
"How do people get their licenses without learning enough to answer at least
some of their own questions?"

My own perception is that, for example, anyone with an Extra Class license
really ought to be able to read a circuit diagram well enough to tell which
pin goes where on a mike jack and similarly elementary questions. A Novice?
Maybe not. An Extra? Certainly!

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.uucp
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

```
From -658777233360509911
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9083af20c92b3acb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-11 09:19:41 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!thunder.mcrcim.mcgill.edu!mcgill-vision!snorkelwacker.mit.edu!bu.edu!rpi!zaphod.mps.ohio-state.edu!think.com!linus!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Mods server on packet
Keywords: mods
Message-ID: <112468@philabs.Philips.Com>
Date: 11 Nov 90 17:19:41 GMT
Sender: news@philabs.Philips.Com
Lines: 49
Posted: Sun Nov 11 18:19:41 1990
```

copied from packet:

```
 Msg# TSF  Size #Rd  Date  Time From   MsgID        To
41367 BF   1776   0 09-Nov 2239 WB2COY 50933_WB2COY ALL@NYNET ()
  Sb: MODS Server Online at WB2COY
```

RADIO MODIFICATIONS SERVER AT WB2COY MAILBOX

To look for a mod, send the following:

SP REQFIL @ WB2COY.NY.USA.NA

When asked for the subject title, enter: DM modelnumber
for example, for TS430S, enter
DM TS430S

No message text required. DO NOT use dashes in the model number. Only one mod request per message is allowed. If you have more than one request send additional messages to the server. Example: SP REQFIL @ WB2COY.NY.USA.NA Subject: dm TS430S The above example will return information stored on the TS430S. Note: USE REQFIL (REQUEST FILE) TO GET A FILE. DO NOT USE REQDIR (REQUEST DIRECTORY). -------------------------

To upload a message containing information on a mod:

SP MODS @ WB2COY.NY.USA.NA SUBJECT: (MODEL NUMBER..for example, TS430S) Message text will be placed into the database. Please keep individual messages to 1K bytes or less. Split large files into smaller messages. ------------------------

DISCLAIMER: I DO NOT GUARANTEE THE ACCURACY OF THESE MODS IN ANY WAY. THESE MODS ARE A COMPILATION OF MOD BULLETINS SEEN AT THIS BBS AND THEIR SOURCES HAVE NOT BEEN VERIFIED. PERFORM THESE MODS AT YOUR OWN RISK. de WB2COY (Mid-Hudson Valley Shadow for the KJ6FY Mods Server)
MODS Database also available at COYnet Landline BBS (914)-485-3393
1200-38400 USR-HST **
eof

One reason that I posted this is that I may not be around to send people mod files much longer, what with serious rumors of layoffs around here. Also, someone else with access to the net and packet might want to replace my unofficial role of net<>packet mods gateway.

73 de WA2ISE

BTW, any company need someone who knows HDTV, regular TV, some DSP, and high speed logic design? thats me. I also have 11 patents. Any pointers appreciated. Thanks in advance.

From 7817543079536619968
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e67bde4689b28a2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-11 10:11:21 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: ATV Radar (Re: Reposted from WX-TALK)
Message-ID: <1516@ke4zv.UUCP>
Date: 11 Nov 90 18:11:21 GMT
References: <1990Nov9.144637.42211@cc.usu.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 11
Posted: Sun Nov 11 19:11:21 1990

In article <1990Nov9.144637.42211@cc.usu.edu> slp9m@cc.usu.edu writes:

```
>>> There is an Amateur Television (ATV) radar setup at the Mount Vernon, IL
>               ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
>Say what?  ATV Radar???   What is that supposed to mean?
>
>-Scott  WA7VYJ
```

Probably just what it sounds like. Transmit the picture created by a camera pointing at a radar PPI scope. We did it around here years ago.

Gary KE4ZV

From -9074851992122356815
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31b600885a922323,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-11 10:23:03 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Derek Wills)
Newsgroups: rec.ham-radio
Subject: Phone bashing
Keywords: just suppose
Message-ID: <39522@ut-emx.uucp>
Date: 11 Nov 90 18:23:03 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 44
Posted: Sun Nov 11 19:23:03 1990

Most phone DXing and contesting is conducted in English (well, most is in Amurrican but we'll overlook that). Suppose you were Japanese, didn't speak English, but got interested in amateur radio and DXing. Do you really think that learning cw in order to do cw DXing would be such a terrible thing when compared with having to learn English in order to do phone DXing?

How many of the licensed Russians (for example) know English well enough to converse over the air, pick out weak calls with non-standard phonetics etc? If you want to work lots of Russians from here, it's a good idea to be able to use cw. Sure, you can work all the oblasts on phone, but the last time I heard of someone doing that it was reported as a "gee whiz" achievement in a DX mag, while nobody ever gets a mention for working them all on cw.

What's my point?   Just that the dislike of cw among some of the people on this net is probably conditioned by the fact that speaking English is not a problem for them. If international communications were all either in CW or in Japanese, you would be facing the same sort of choice that many Japanese face in getting on the air.   It also means that if you want to work lots of JAs and UAs it is a good idea to stay fluent in cw.

I don't see a lot of difference between the attitudes "they should all learn my language" and "I shouldn't have to learn cw", or, for that matter, "why can't you get a decent hamburger and fries in Burkina Faso?" (sadly, you probably can).

I understand that this is not addressing the current requirement to learn cw in order to make "I'm on my way home, honey" calls on 2 meters, but the no-code thing goes further than that, I think. Most anti-code people would like to see the cw requirement dropped for HF operation, and the next logical step would be opening the cw bands for phone operation. Meanwhile, a good fraction of all the "foreign" stations will still be using cw because it is easier than learning English for many of them.

I also realize that I am equating "HF operation" with "DXing" but I think of them as the same thing. I don't go on 20m in order to talk with people in the same country, although some people obviously do - they need professional help :-)

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From -7860203189252707367
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,323c4d0a92d7001e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-11 12:11:04 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!samsung!usc!rutgers!news.cs.indiana.edu!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.uucp (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Code/Nocode/Headcode/Koff/Koff
Message-ID: <401.273D6D08@w8grt.uucp>
Date: 11 Nov 90 20:11:04 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 15
Posted: Sun Nov 11 21:11:04 1990

We are repeating ourselves on the code wars again. We are also totally off on the "Code ain't hard, Father, it's my bother!" tangent, which is totally irrelevant.

I earnestly hope Paul Flaherty will rescue us by re-serializing his brilliant "History" piece.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.uucp
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From -1902849080259549031
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,caa7b09a232bb19
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-11 12:11:44 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!ub!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!Dave.Stark
From: Dave.Stark@f218.n260.z1.FIDONET.ORG (Dave.Stark)
Newsgroups: rec.ham-radio

Subject: Re: Hams,Public service/mods to radios for 11 meters
Message-ID: <197.273EFCA2@rochgte.FIDONET.ORG>
Date: 11 Nov 90 20:11:44 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 21
Posted: Sun Nov 11 21:11:44 1990

> They won't be doing anything soon. The solution according to a fellow New
> Hampshireite in the current administration is to do nothing long enough for the
> QRM on HF to get bad enough for the media to notice it. The congress at the
> urging of the administration can then step in with public support and pull the
> plug on all, and he says ALL HF transmission. Mr HIGH UP in the POWER STRUCTURE

How about identifying "Mr HIGH UP"? These are serious allegations. If such a plot exists, it could be short-circuited by a little "premature" public and media awareness of government shenanigans. If it cannot be proven, these scare rumors are not welcome. They do more harm to the hobby than good.

--
Dave.Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!Dave.Stark
INTERNET: Dave.Stark@f218.n260.z1.FIDONET.ORG

From 2332702964537141451
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c1b7e385540d4acb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-11 12:43:21 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!portal!cup.portal.com!schuster
From: schuster@cup.portal.com (Michael Alan Schuster)
Newsgroups: rec.ham-radio
Subject: Small Unlicensed Xmtrs
Message-ID: <35854@cup.portal.com>
Date: 11 Nov 90 20:43:21 GMT
Organization: The Portal System (TM)
Lines: 16
Posted: Sun Nov 11 21:43:21 1990

I just picked up an interesting little device at a close-out store in NY. It's called SOUND SENDER, and it's one of those devices designed to interface an outboard tape player or CD player to your car's FM radio. Here's the twist: it does not connect to the car radio - it transmits to it.

Opening up the device (which looks like an oversized cigarette lighter plug with a fine tuning knob, and audio cable coming out) I find a single PC board containing some passive parts, a tuneable coil, and a large "antenna" in the foil pattern. It seems to transmit the audio input (in mono) via brute force.

At home it could easily transmit to a stereo receiver across the room. There is no FCC information on the package or device, and no statement of the output power. Is this legal? Or is that why it's being closed out :-)

From 6644539618269800179
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85ab6090531cd0c1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,85ab6090531cd0c1
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f5cc0,85ab6090531cd0c1
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-11-11 13:53:19 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!funic!santra!hila.hut.fi!kwiik
From: kwiik@hila.hut.fi (Kaj Wiik)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.space
Subject: RadioM1/Rudak2
Keywords: RS14 Satellite
Message-ID: <1990Nov11.215319.4242@santra.uucp>
Date: 11 Nov 90 21:53:19 GMT
References: <367@ka2qhd.UUCP>
Sender: news@santra.uucp (Cnews - USENET news system)
Reply-To: kwiik@hila.hut.fi (Kaj Wiik)
Organization: Helsinki University of Technology, FINLAND
Lines: 200
Xref: gmdzi rec.ham-radio:16730 rec.ham-radio.packet:3025 sci.space:17375
Posted: Sun Nov 11 22:53:19 1990

SB AMSAT @ ALL < RK3KP $03B004RK3KP
RadioM1/Rudak2
R:901103/0935z @RK3KP [NORD><LINK MOSCOW, TheBox 1.6 OP: RA3APR]

de RK3KP @ RK3KP

RADIO-M1/RUDAK-2

The joint work of AMSAT-U and AMSAT-DL for creating the set of equipment for the satellite RADIO-M1/RUDAK-2 is completed.

The idea of the cooperation between two groops in the USSR and Germany appeared in the spring 1989. The discussion about what and how it is necessary to do lasted till the meeting of the representatives of two groops in Surrey in July 1989 when the mutual preliminary agreement about the cooperation was signed.

The final version of the agreement about the cooperation was signed in the autumn 1989, when the work over the project was being done.
According to the mutual agreement the group ORBITA AMSAT-U develops and makes the linear transponder, command radio link, telemetry system, power supply system and decides all the questions with the official organisations about the placing of the equipment and launching.
The RUDAK group of AMSAT-DL developes and makes the digital part so called RUDAK-2. This part includes a digipeater and a mailbox (protocol AX-25).It also provides other possibilitys for the experiments on the transmitting of the information using modern digital methods. It also contains input and output RF circuits.
The complete set for ground command station is developed by Amsat-U-Orbita and Amsat-U-Sputnik groups.Rudak group brings special digital part for it.
During the launch and orbital test period ground command station will be situated in Molodechno at UC1CWA and in Moscow at RK3KP. The ground command station for Rudak-2 only will be situated near Munchen-DK1YQ and near Hannover-DB2OS.

The final agreement was signed:
from the side of AMSAT-U-ORBITA the technical director of the project "RADIO-M1" - V.Chepyzhenko - RC2CA;
from the side of AMSAT-DL - the president of it K.Meinzer - DJ4ZC.
The coordinators of the project are P.Guelzow - DB2OS and L.Labutin - UA3CR

SPECIFICATIONS OF THE RADIO-M1/RUDAK-2

Mission

Piggy-back onboard the USSR geological research satellite.

Launch and Orbit

1. Launch (scheduled)
   Time: Late of 1990, day is not fixed.
   Launch site: North Cosmodrom Plesetsk

2. Orbit (planned)
   slightly elliptical polar orbit
   appogee: 1000 km
   Inclination: 83 degrees
   Period: 105 minutes

Satellite specifications

1. Dimension and shape
   Cylinder of hight about 4 meters
   diameter 1.8 meters

2. System configuration
   Professional geological research equipment, telemetry system, command link equipment, transponders and power supply, thermal control.
   Amateur linear and digital transponders, telemetry system, command link equipment, power supply.

3. Attitude control
   Satellite attitude will be maintained by the earth's gravity field by a rod 9 meters length pointing away from the earth.

4. Planned service life: 3 years

Radio-M1/Rudak-2 System specifications

1. System configuration
   Two sets of the equipment will be installed aboard the satellite:
   Linear transponder #1 mode B and RUDAK-2 with subsystems
   Linear transponder #2 mode B with subsystems
   The first set is concidered to be the main. The second one is reserve. It can be taken into operation in the case of failure of the first one.

2. Commands

   Equiped with real-time program command function

3. Beacons and telemetry #1 set

CW telemetry 8 channels	145.822 MHz	0.2 Watts
Digital telemetry 30 channels	145.952 MHz	0.4 Watts
	1100 bps,BPSK/FM, deviation 2kHz	
Digital telemetry Rudak-2	145.983 MHz	3.0 Watts

BPSK 1200 bps AX.25 (like FO-20)

4. Beacons and telemetry #2 set

CW telemetry 8 channels	145.948 MHz	0.2 Watts
Digital telemetry 30 channels	145.838 MHz	0.4 Watts
	1100 bps,BPSK/FM, deviation 2kHz	
Digital telemetry 30 channels	145.800 MHz	2.0 Watts
	1100 bps BPSK/FM, deviation 2kHz	

5. Transponders #1 set

(1) Linear transponder: inversely heterodined translator

Uplink passband	435.102 to 435.022 MHz
Downlink passband	145.852 to 145.932 MHz
Transmitter output max	10 Watts
Bandwith (3db)	80 kHz
Uplink EIRP required about	100 Watts

(2) Digital transponder Rudak-2: digipeater and store&forward packet communication (AX.25), telecommunications experiment with digital signal processing up to nearly 20 kHz, 1 MByte RAM disc, four separate uplink channels.

Uplink frequencies:	RX-1	435.016 MHz	1200bps,FSK,NRZIC/Biphase-M
	RX-2	435.155 MHz	(AFC) 2400 bps,BPSK, Biphase-S
	RX-3a	435.193 MHz	(AFC) 4800 bps,RSM
	RX-3b	435.193 MHz	(AFC) 9600 bps,RSM
	RX-4	435.041 MHz	(digital AFC) RX for RTX-DSP

Downlink frequency: 145.983 MHz 3 Watts

The downlink can be switched to the following operating modes:

Mode 1: 1200 bps, BPSK, NRZI,(NRZ-S) (like FO-20)
Mode 2: 400 bps, BPSK, Biphase-S (Oscar-13 beacon)
Mode 3: 2400 bps, BPSK, Biphase-S
Mode 4: 4800 bps, RSM, NRZIC (Biphase-M) (like 4800 bps uplink)
Mode 5: 9600 bps, RSM, NRZI (NRZ-S) +Scrambler (like 9600 bps uplink)
Mode 6: CW keying (only for special events)
Mode 7: FSK (F1 or F2B),e.g. RTTY, SSTV, FAX, etc.(for special events)
Mode 8: FM modulated by D/A signals from DSP-RISC processor (speech)

6. Transponder #2 set

Linear transponder: inversely geterodined translator

Uplink passband	435.123 to 435.043 MHz
Downlink frequencys	145.866 to 145.946 MHz
Transmitter output max	10 Watt max.
Bandwith (3db)	80 kHz
Uplink EIRP required about	100 Watts

7. Antennas

(1) 435 MHz receiving antenna (shared by analog and digital modes):
Helix +3 db max RHCP.

(2) 145 MHz transmitting antenna:
Half wave dipol

8. Power supply

From main power supply system up to 100 Watts
Set #1 consumption 47 Watts
Set #2 consumption 40 Watts

9. Weight

Set #1 approx. 28 kg
Set #2 approx. 22 kg

10. Size: 480x400x300 mm^3 each set.

03.11.90   __ ends____   de UA3CR
/EX

From 5571873674822130400
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,459f30fcedaca75,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1165a8,459f30fcedaca75,start
X-Google-Attributes: gid1165a8,public
X-Google-ArrivalTime: 1990-11-11 16:07:04 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!oswego!ub!zaphod.mps.ohio-state.edu!usc!
cs.utexas.edu!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio,aus.radio.amsat
Subject: AMSAT News Bulletins, 11/10/90
Keywords: ham satellites
Message-ID: <523@ssc.UUCP>
Date: 12 Nov 90 00:07:04 GMT
Organization: very little
Lines: 378
Xref: gmdzi rec.ham-radio:16982
Posted: Mon Nov 12 01:07:04 1990

SB ALL @ AMSAT $ANS-314.01
PACSAT BBS TESTING CONTINUES

HR AMSAT NEWS SERVICE BULLETIN 314.01 FROM AMSAT HQ
SILVER SPRING, MD NOVEMBER 10, 1990
TO ALL RADIO AMATEURS BT

PACSAT BBS S/W Beta Testing Continues; Expected User S/W Release Nov. 17, 1990

On Sunday evening, Nov. 4, 1990, NK6K commenced the Bulletin Board System (BBS) operations on AO-16. AO-16 now becomes the second satellite to be running G0/K8KA's spacecraft application software, along with UO-14. The first file uploaded to AO-16 was a file which acknowledged all the individuals who have contributed to the MICROSAT program. Next, it was only fitting that NK6K send a congratulatory message to his colleagues at the University of Surrey (UoSat) via AO-16. Later, the AMSAT News Service (ANS) bulletins and Keplerian elements were uploaded and were earmarked to be "broadcast" continuously from AO-16.

For the next few days, G0/K8KA, NK6K and a group of carefully selected "beta" testers will continue to send messages back-and-forth in an attempt to "wring-out" any last minute software bugs which might have been missed. If no major problems are encountered, G0/K8KA's groundstation software and documentation will be release on Nov. 17, 1990. It will be available for downloading from the AMSAT/DRIG BBS at (214) 394-7438 and CompuServe's HAMNET. This software will allow users to upload and download files and allow users to receive files are continuously broadcast, for example, ANS bulletins or Keplerian elements.

The DRIG BBS will have a brand new section in the FILES menu, called MICROSATS ..... Go into FILES section, enter P for Personal download, and download all of the MICROSAT telemetry programs from this special area. This is OPEN to ALL AMSAT members.... Please do a L;MICROSATS to get a listing of all of the programs available to you.**

Although this first version of the groundstation software is not the "all-singing-all-dancing" software that NK6K and G0/K8KA would like for it to be, it will be more than adequate to allow those with an IBM compatible computer to start utilizing the BBS on AO-16, UO-14, and LO-19 as quickly as possible. At a later time, versions for the MacIntosh computers and upgraded IBM PC versions will be available from the AMSAT Software exchange. Look for further announcements next week in the ANS bulletins about the release and availability of the PACSAT groundstation software.
/EX
SB ALL @ AMSAT $ANS-314.02
AO-16 HAS A NEW SOUND

HR AMSAT NEWS SERVICE BULLETIN 314.02 FROM AMSAT HQ
SILVER SPRING, MD NOVEMBER 10, 1990
TO ALL RADIO AMATEURS BT

New BBS Software Gives A New Sound To A Young OSCAR

Since the commencement of BBS operations on AO-16 this week, users will find AO-16 sounds quite different from what they remember from the previous weeks. The biggest change AO-16 users will notice is that the 70 cm downlink transmitter is now sending data continuously. But even without the groundstation software, which is planned for a Nov. 17, 1990 release, it is still possible for you to see what is being sent on the downlink. The first thing you need to do is turn TRACE ON on your TNC-2. After doing this you will get a "hex" dump of the raw data frames being received by your TNC-2. Although this technique for receiving packet frames from AO-16 is not the normal way to receive packets, it will allow you to get a peek a what files are being broadcast and other file activity. For those who still wish to digipeat or who want to examine the telemetry, the BBS software will not change these functions, however, telemetry will be sent every 30 seconds as compared to every 10 seconds and digipeating will take more time because of all the other data on the downlink.

The one thing that users who start using the groundstation software will immediately notice is that using AO-16's BBS will be quite different from FO-20's BBS. If you try to connect to AO-16 without the proper groundstation software, after awhile you will be logged off. But when the proper software is used, it will allow users to compose messages off line and upload them very efficiently. If you fail to get the entire message uploaded during a single pass, the ground station software will remember where you were and it is from that point you can continue to upload on the next pass. The same holds for downloading a file; if it doesn't get completely downloaded during a pass, the groundstation software will remember where you were and will pick the file at that particular point on the next pass. The software protocol to perform these very "smart" file transfer operations will greatly facilitate packet traffic handling. It is AMSAT's hope that the PACSATs, ie., AO-16, LO-19, UO-14, will provide another powerful means for communication between radio amateurs worldwide.

[If you have questions on the protocols, you may reach NK6K on CompuServe at 71635,1174 or at nk6k@tomcat.gsfc.nasa.gov. G0/K8KA can be reached at k8ka@tomcat.gsfc.nasa.gov.]
/EX
SB ALL @ AMSAT $ANS-314.03
BALLOON LAUNCH ANNOUNCEMENTS

HR AMSAT NEWS SERVICE BULLETIN 314.03 FROM AMSAT HQ
SILVER SPRING, MD NOVEMBER 10, 1990
TO ALL RADIO AMATEURS BT

Denver ATV Balloon Launch on Nov. 18, 1990 & Illinois Launch Dec. 1, 1990

A local Denver, CO AMSAT group and ATV enthusiasts are busily preparing for their upcoming balloon launch. The launch will be on Sunday, November 18, 1990 at 9:30 A.M. MST with a weather hold backup day of December 2nd again at 9:30 A.M. MST. The balloon should reach an altitude of 100,000 feet and will carry a color ATV camera and transmitter, a 2 meter CW modulated FM beacon and a telemetry package. The telemetry package will encode barometric pressure and inside/outside temperatures on an AFSK signal modulating the TV sound sub-carrier. The ATV frequency will be 426.25 MHz and 2 meter beacon frequency will be 147.555 MHz. Forty meter and two meter nets will be conducted on 7.232 MHz and 146.34/.94 MHz, respectively. AMSAT member Jack Crabtree (AA0P) has put together the enthusiastic team of AMSAT members along with a Denver ATV group called Western Vision Network (WVN). The balloon will use the callsign of the Director of WVN, Tim Armagost (WB0TUB). All AMSAT members and radio amateurs within 500 miles of Denver, CO are encouraged to participate in this "edge of space" experiment.

On Dec. 1, 1990 at 9:30 A.M. CST (weather permitting) a helium balloon with a 1 watt 10 meter beacon transmitter named "Drifter-1" will be launched near Champaign, IL. The beacon, located on 28.866 MHz will be sending the following text at 20 WPM: "DE N9JL/B THIS IS DRIFTER-1, A 1 WATT BALLOON CARRIED BEACON. QSL VIA KA9WWA AR." The period of transmission will be determined by package temperature. A launch and tracking net will be held on 7155 KHz beginning at 8:30 A.M. CST with WE9E serving as NCS. This balloon has the potential to be heard direct up to 350 miles and throughout North America during a band opening. Send your QSL and a s.a.s.e. to receive a QSL for Drifter-1 to:

Drifter-1
c/o Jim Lutz (KA9WWA)
2032 Adams. St.
Rolling Meadows, IL 60008

Queries regarding Drifter-1 can be send to KA9SZX @ W9YH.IL.USA.NA. Listen for updates on the weekly 75 meter ATV net on 3871 KHz beginning at 8:00 P.M. EST on Tuesday evenings.
/EX
SB ALL @ AMSAT $ANS-314.04
ZRO TEST SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 314.04 FROM AMSAT HQ
SILVER SPRING, MD NOVEMBER 10, 1990
TO ALL RADIO AMATEURS BT

Fall Edition of ZRO Test Announced

The ZRO Memorial Technical Achievement Award Program, or just "ZRO Test" has a new schedule through the end of 1990 via AMSAT-OSCAR-13. This activity is a test of operating skill and equipment performance tested by copying signals decreasing in strength in predefined steps. At the beginning of the run, uplink power from the control station is set to match the general beacon downlink strength. This is level "zero". The control operator will send and repeat a random five-digit number, then lower uplink power by 3 dB (half power) and repeat the procedure with a new random number. This will continue to a level 27 dB below the beacon (level "nine"). A participating listener monitors the downlink signals till they can no longer copy the numbers. Those who can hear the beacon will qualify for the basic award by copying the code group heard at level "zero". The challenge is to improve station performance to a point where the lower-level downlink signals can be copied (levels 6 through 9). This then results in the need for less uplink power for routine communications operation.

The following schedule of Mode "B" and "JL" ZRO tests were chosen for convenient operating times and favorable squint angles. The "B" tests can be heard on 145.840 MHz and the "JL" test on 435.945 MHz.:

Saturday November 24, 1990 at 1700 UTC "B"

Saturday December 1, 1990 at 2030 UTC "B"
Saturday December 15, 1990 at 1630 UTC "B"
Saturday December 22, 1990 at 0530 UTC "B"
Saturday December 22, 1990 at 0645 UTC "JL"

Note that the dates and times are noted in "UTC." The tests on December 22nd occur late Friday night for those in North America. Any changes will be announced as soon as possible via the AMSAT HF and AO-13 Operations Nets as well as ANS. Recently updated ZRO brochures are available from WA5ZIB, Andy MacAllister, AMSAT V.P. User Operations, 14714 Knightsway Drive, Houston, TX 77083 for an S.A.S.E. with two units of postage. The brochure describes test procedures and means for obtaining certificates and gives some historical background about the program.

All listener reports with date of test and numbers copied should be sent to WA5ZIB at the address above. A report will be returned verifying the level of accurate reception. Good luck!
/EX
SB ALL @ AMSAT $ANS-314.05
DXCC ON OSCAR 0

HR AMSAT NEWS SERVICE BULLETIN 314.05 FROM AMSAT HQ
SILVER SPRING, MD NOVEMBER 10, 1990
TO ALL RADIO AMATEURS BT

First DXCC on the Earth's Original Satellite

On October 27, Dave Blaschke, W5UN, worked VS6BI to complete the world's first two-meter DXCC. Although his DXCC is not the first "Satellite" DXCC, what makes Dave's accomplishment so unique, is that each of his contacts on two-meters was done by bouncing his signal off the moon (a.k.a. OSCAR 0). An article describing Dave's station can be found in January 1989 QST (p. 15).

Dave's station (1.5KW TX power and 32.5 dBi antenna gain) was uniquely equipped to help AMSAT recover DO-17, which suffered from a receiver de-sensing problem last spring. AMSAT Congratulates Dave on this monumental accomplishment.

[ANS thanks Ray Soifer, W2RS, for the information for this bulletin.]
/EX
SB ALL @ AMSAT $ANS-314.06
PORTABLE 9.6K PACKET STATION

HR AMSAT NEWS SERVICE BULLETIN 314.06 FROM AMSAT HQ
SILVER SPRING, MD NOVEMBER 10, 1990
TO ALL RADIO AMATEURS BT

Effective, Low-Cost, Portable Packet Satellite Station Operational

Researchers at the University of Surrey took their portable packet satellite station out into the field and put it on the air last week. UoSAT/Microsat Software Developer, Jeff Ward G0/K8KA, used the 9.6KB semi-automated packet station to operate UO-14 from his flat (apartment).

As Jeff describes it, other than the antennas, the station fits in a metal carrying case about the size of a small briefcase. The RF gear (built by G0/VE3LMX in the UoSAT Lab) uses single-channel FM receiver and transmitter strips from Wood & Douglas with minor modifications. The transmitter generates 10W output, and no Doppler compensation is used. The receiver has a daughter board with an automatic frequency control circuit. This AFC sweeps the entire Doppler band until it detects the satellite, allowing for unattended operation.

The transmit/receive equipment costs less than $200. The system also uses a TINY 9600 modem (from Pac Com) which is added to the TNC as a daughter board. The TNC and modem both fit into the standard small extruded TNC case.

The receive antenna used was a 1.5 turn helix sitting on the ground pointed more or less straight up, with a turnstile for the uplink. Jeff's initial attempts with a 1/4 wave groundplane on receive gave little success. So as not to alarm his landlords, he put the antennas very close to the house. They are completely blocked on the south and west, but look fairly clear to the north and west.

On the evening of November 3, during a 60 degree pass east of his location, he managed to a connect to the spacecraft FTL0 BBS server, obtained a directory, uploaded a message and download about 16 kbytes. He then switched to the broadcast protocol, requested and received an AMSAT Keplerian element file. The next morning he was able to download a reply to his message. Jeff feels that he should be able to receive one hundred Kbytes of data on any pass of 10 degrees maximum elevation or better.

This effort shows that, as many people have shown in the past, you don't need lots of money to get into this corner of the hobby.
/EX
SB ALL @ AMSAT $ANS-314.07
R.I. DXPEDITION A SUCCESS

HR AMSAT NEWS SERVICE BULLETIN 314.07 FROM AMSAT HQ
SILVER SPRING, MD NOVEMBER 10, 1990
TO ALL RADIO AMATEURS BT

DXpedition Proves to be Interesting on Both Sides of the QSO

AMSAT Volunteer Frank MacKensie-Lamb, NG1I, had been planning a DXpedition to the state of Rhode Island, but was undecided as to where to set it up. The week prior to his planned operation, Frank was contacted by a Ham in Rhode Island who had been interested in seeing an operational satellite station. Rather than have this potential newcomer drive up to Frank's QTH in Massachusetts, Frank decided to take the station down to the interested ham's QTH.

On Saturday, Nov 3rd, Frank drove to Lincoln R.I. and from the side yard of his host's QTH, NG1I/1 operated Mode B on AO-13 for approximately 5 hours. Because of advanced advertisement of his DXpedition in ANS as well as on the bird itself, a number of stations had already made plans to look for Frank that day and a mini-pileup ensued. By the end of his operation, Frank had logged 62 QSOs in 11 countries on 4 continents.

The interested host was extremely impressed by how little it took to get on the air on AO-13. Frank at times had to increase his output power to about 70 watts, due to poor squint angles, but as squint angles improved, he was able to throttle back to 45 watts and still carry on armchair copy QSOs, again proving that you don't need much power to carry on QSOs.

For those stations who did manage to help Frank demo his satellite station, his custom made QSL cards (made special for this DXpedition) can be obtained by mailing your cards to:

NG1I/1 Frank MacKensie-Lamb
P.O. Box 2058
Natick, MA 01760

One European station mentioned to Frank that he needed Wyoming, and he wondered if next weekend NG1I could do a DXpedition out to "0-land" Although Frank had to decline that particular request, it seems that the portable operation bug has bitten Frank, and so you may find additional satellite DXpeditions bearing the call NG1I (most likely they will be in the New England area).
/EX
SB ALL @ AMSAT $ANS-314.08
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 314.08 FROM AMSAT HQ
SILVER SPRING, MD NOVEMBER 10, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times.
Mode B nets are conducted on an AO-13 downlink frequency of 145.950.
Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date	Phs	mode	UTC	NCS	Alt.	U.S. day
17 Nov 90	145	B	1300	KA5SMA	WB9ANQ	Saturday
24 Nov 90	97	J/L	1430	WD0E	N5BF	Saturday
02 Dec 90	63	B	1530	WB6LLO	WA5ZIB	Sunday
08 Dec 90	156	B	1300	WB9ANQ	KA5SMA	Saturday
15 Dec 90	97	J/L	1400	N5BF	WD0E	Saturday

STS-37 astronaut Jay Apt (N5QWL) will be the featured guest on the 24 November 90 net. Jay will be discussing late plans for his own flight, which is to be flown next spring, and STS-35, which is scheduled for early December. This roundtable/interview session with N5QWL promises to be very interesting.

Nets are scheduled for North American geographic coverage and time zones although other parts of the world are often within the footprint and check-ins from everywhere are welcome. Those who don't have adequate and convenient coverage from this net are encouraged to schedule their own nets via AO-13. Write to AMSAT Headquarters or send a note to N5BF @ WB6YMH with your schedule to have it included in ANS.

For information on the amateur satellite program and how you can participate, contact AMSAT-NA Headquarters at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062, or contact your local AMSAT Area Coordinator.
/EX
SB ALL @ AMSAT $ANS-314.09
FALL AO-13 TRANSPONDER SCHED

HR AMSAT NEWS SERVICE BULLETIN 314.09 FROM AMSAT HQ
SILVER SPRING, MD NOVEMBER 10, 1990
TO ALL RADIO AMATEURS BT

The transponder schedule for AO-13 is as follows:

Mode-B :   MA 000 to MA 095
Mode-JL: MA 095 to MA 125
Mode-LS: MA 125 to MA 130
Mode-S :   MA 130 to MA 135
Mode-BS: MA 135 to MA 140
Mode-B :   MA 140 to MA 256
Omnis :   MA 220 to MA 040

This schedule is expected to continue through 26 Dec 90.

The Command Stations have oriented the spacecraft to an attitude of:

BLON = 180 and BLAT = 0

AMSAT-OSCAR-10 has come out of hibernation and appears to be receiving sufficient solar panel illumination to support Mode-B transponder operations. The transponder may be used, carefully, at all points of the orbit except MA 254 - 006 when eclipses occur. If beacon or transponder signals show signs of FMing, users should cease all transponder use immediately.
/EX

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

```
From 5949745008732533227
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8bda29f7d16a3534,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1165a8,8bda29f7d16a3534,start
X-Google-Attributes: gid1165a8,public
X-Google-ArrivalTime: 1990-11-11 16:13:07 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio,aus.radio.amsat
Subject: AMSAT Orbital Elements, 11/10/90
Keywords: Keplerien Elements, satellites
Message-ID: <524@ssc.UUCP>
Date: 12 Nov 90 00:13:07 GMT
Organization: very little
Lines: 352
Xref: gmdzi rec.ham-radio:16805
Posted: Mon Nov 12 01:13:07 1990


SB ALL @ AMSAT $ORBS-314.O
Orbital Elements 314.OSCAR

HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES
FROM N3FKV HEWITT, TX      NOVEMBER 10, 1990
TO ALL RADIO AMATEURS BT

Satellite: AO-10
Catalog number: 14129
Epoch time:      90311.38885312
Element set:     621
Inclination:       26.0154 deg
RA of node:       176.3254 deg
Eccentricity:    0.5958797
Arg of perigee:   190.4011 deg
Mean anomaly:     147.4868 deg
Mean motion:    2.05880027 rev/day
Decay rate:       1.30e-07 rev/day^2
Epoch rev:            2768

Satellite: UO-11
Catalog number: 14781
Epoch time:      90312.00369695
Element set:     874
Inclination:       97.9329 deg
RA of node:       359.7518 deg
Eccentricity:    0.0012603
Arg of perigee:   147.4844 deg
Mean anomaly:     212.7119 deg
Mean motion:   14.65848691 rev/day
Decay rate:      1.405e-05 rev/day^2
Epoch rev:           35703
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```
Satellite: RS-10/11
Catalog number: 18129
Epoch time:      90312.98956630
Element set:     425
Inclination:       82.9269 deg
RA of node:       221.5325 deg
Eccentricity:    0.0013218
Arg of perigee:    79.6407 deg
Mean anomaly:     280.6181 deg
Mean motion:   13.72120722 rev/day
Decay rate:      -5.31e-06 rev/day^2
Epoch rev:           16930

Satellite: AO-13
Catalog number: 19216
Epoch time:      90307.48932688
Element set:     222
Inclination:       56.9189 deg
RA of node:       127.7311 deg
Eccentricity:    0.7058799
Arg of perigee:   239.4414 deg
Mean anomaly:      33.6795 deg
Mean motion:    2.09703007 rev/day
Decay rate:      -1.45e-06 rev/day^2
Epoch rev:            1832

Satellite: FO-20
Catalog number: 20480
Epoch time:      90311.55482641
Element set:     171
Inclination:       99.0257 deg
RA of node:       330.9094 deg
Eccentricity:    0.0541485
Arg of perigee:    83.7638 deg
Mean anomaly:     282.4833 deg
Mean motion:   12.83163935 rev/day
Decay rate:       3.00e-07 rev/day^2
Epoch rev:            3513
/EX
SB ALL @ AMSAT $ORBS-314.D
Orbital Elements 314.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS
FROM N3FKV HEWITT, TX      NOVEMBER 10, 1990
TO ALL RADIO AMATEURS BT

Satellite: UO-14
Catalog number: 20437
Epoch time:      90310.69460161
Element set:     273
Inclination:       98.6899 deg
RA of node:        26.3131 deg
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```
Eccentricity:    0.0011875
Arg of perigee:    95.9099 deg
Mean anomaly:     264.3412 deg
Mean motion:   14.28777691 rev/day
Decay rate:       5.44e-06 rev/day^2
Epoch rev:            4121

Satellite: AO-16
Catalog number: 20439
Epoch time:      90311.09432481
Element set:     172
Inclination:       98.6948 deg
RA of node:        26.9039 deg
Eccentricity:    0.0012417
Arg of perigee:    95.0728 deg
Mean anomaly:     265.1867 deg
Mean motion:   14.28876195 rev/day
Decay rate:       4.26e-06 rev/day^2
Epoch rev:            4127

Satellite: DO-17
Catalog number: 20440
Epoch time:      90310.66527139
Element set:     172
Inclination:       98.6946 deg
RA of node:        26.4969 deg
Eccentricity:    0.0012621
Arg of perigee:    96.8764 deg
Mean anomaly:     263.3834 deg
Mean motion:   14.28932206 rev/day
Decay rate:       4.96e-06 rev/day^2
Epoch rev:            4121

Satellite: WO-18
Catalog number: 20441
Epoch time:      90312.11569607
Element set:     173
Inclination:       98.6941 deg
RA of node:        27.9767 deg
Eccentricity:    0.0013294
Arg of perigee:    93.6842 deg
Mean anomaly:     266.5860 deg
Mean motion:   14.29015597 rev/day
Decay rate:       3.91e-06 rev/day^2
Epoch rev:            4142

Satellite: LO-19
Catalog number: 20442
Epoch time:      90309.65116187
Element set:     172
Inclination:       98.6933 deg
RA of node:        25.5523 deg
Eccentricity:    0.0013315
```

```
Arg of perigee:    99.6043 deg
Mean anomaly:     260.6624 deg
Mean motion:   14.29086341 rev/day
Decay rate:       4.93e-06 rev/day^2
Epoch rev:            4107
/EX
SB ALL @ AMSAT $ORBS-314.M
Orbital Elements 314.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES
FROM N3FKV HEWITT, TX      NOVEMBER 10, 1990
TO ALL RADIO AMATEURS BT

Satellite: SALYUT 7
Catalog number: 13138
Epoch time:      90312.77545658
Element set:     634
Inclination:       51.6009 deg
RA of node:       284.4764 deg
Eccentricity:    0.0003943
Arg of perigee:    81.2079 deg
Mean anomaly:     278.9937 deg
Mean motion:   15.81480051 rev/day
Decay rate:     1.0924e-03 rev/day^2
Epoch rev:           48758

Satellite: MIR
Catalog number: 16609
Epoch time:      90312.65383912
Element set:      84
Inclination:       51.6112 deg
RA of node:       322.8233 deg
Eccentricity:    0.0030354
Arg of perigee:   230.8306 deg
Mean anomaly:     129.0480 deg
Mean motion:   15.59313453 rev/day
Decay rate:     3.2653e-04 rev/day^2
Epoch rev:           27066

Satellite: HUBBLE
Catalog number: 20580
Epoch time:      90312.61189795
Element set:     327
Inclination:       28.4715 deg
RA of node:        50.1860 deg
Eccentricity:    0.0006172
Arg of perigee:   184.0423 deg
Mean anomaly:     176.0412 deg
Mean motion:   14.85441208 rev/day
Decay rate:      4.882e-05 rev/day^2
Epoch rev:            2946

Satellite: BADR-1
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```
Catalog number: 20685
Epoch time:      90313.00540081
Element set:     178
Inclination:       28.4873 deg
RA of node:       240.1860 deg
Eccentricity:    0.0273713
Arg of perigee:   323.0758 deg
Mean anomaly:      35.3074 deg
Mean motion:   15.65600162 rev/day
Decay rate:     5.7042e-03 rev/day^2
Epoch rev:            1768
/EX
SB ALL @ AMSAT $ORBS-314.W
Orbital Elements 314.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM N3FKV HEWITT, TX      NOVEMBER 10, 1990
TO ALL RADIO AMATEURS BT

Satellite: NOAA-9
Catalog number: 15427
Epoch time:      90309.99194494
Element set:     671
Inclination:       99.1737 deg
RA of node:       313.1716 deg
Eccentricity:    0.0014883
Arg of perigee:   334.6439 deg
Mean anomaly:      25.4011 deg
Mean motion:   14.12719327 rev/day
Decay rate:       3.66e-06 rev/day^2
Epoch rev:           30400

Satellite: NOAA-10
Catalog number: 16969
Epoch time:      90311.08270537
Element set:     522
Inclination:       98.5869 deg
RA of node:       335.7658 deg
Eccentricity:    0.0012842
Arg of perigee:   211.4753 deg
Mean anomaly:     148.5658 deg
Mean motion:   14.23787462 rev/day
Decay rate:       3.99e-06 rev/day^2
Epoch rev:           21494

Satellite: MET-2/17
Catalog number: 18820
Epoch time:      90308.26753517
Element set:     422
Inclination:       82.5428 deg
RA of node:       239.0875 deg
Eccentricity:    0.0015421
Arg of perigee:   295.0509 deg
```

```
Mean anomaly:      64.9051 deg
Mean motion:   13.84385969 rev/day
Decay rate:       2.25e-06 rev/day^2
Epoch rev:           13956

Satellite: MET-3/2
Catalog number: 19336
Epoch time:      90306.69468626
Element set:     671
Inclination:       82.5472 deg
RA of node:       179.4423 deg
Eccentricity:    0.0017637
Arg of perigee:   331.4392 deg
Mean anomaly:      28.5765 deg
Mean motion:   13.16904674 rev/day
Decay rate:       6.90e-07 rev/day^2
Epoch rev:           10918

Satellite: NOAA-11
Catalog number: 19531
Epoch time:      90308.36038558
Element set:     424
Inclination:       98.9997 deg
RA of node:       256.9354 deg
Eccentricity:    0.0011369
Arg of perigee:   248.1858 deg
Mean anomaly:     111.8071 deg
Mean motion:   14.11779697 rev/day
Decay rate:       7.28e-06 rev/day^2
Epoch rev:           10874

Satellite: MET-2/18
Catalog number: 19851
Epoch time:      90312.90273519
Element set:     372
Inclination:       82.5154 deg
RA of node:       113.1673 deg
Eccentricity:    0.0014493
Arg of perigee:   325.4266 deg
Mean anomaly:      34.5937 deg
Mean motion:   13.84023415 rev/day
Decay rate:       1.91e-06 rev/day^2
Epoch rev:            8558

Satellite: MET-3/3
Catalog number: 20305
Epoch time:      90306.98357042
Element set:     271
Inclination:       82.5538 deg
RA of node:       120.1314 deg
Eccentricity:    0.0016483
Arg of perigee:   345.8709 deg
Mean anomaly:      14.1964 deg
Mean motion:   13.15866439 rev/day
Decay rate:       3.10e-07 rev/day^2
Epoch rev:            4920

Satellite: MET-2/19
Catalog number: 20670
Epoch time:      90307.04575456
Element set:     121
Inclination:       82.5504 deg
RA of node:       178.4517 deg
Eccentricity:    0.0014597
Arg of perigee:   260.3393 deg
Mean anomaly:      99.6097 deg
Mean motion:   13.83874334 rev/day
Decay rate:       2.29e-06 rev/day^2
Epoch rev:            1772

Satellite: FY-1/2
Catalog number: 20788
Epoch time:      90312.59620739
Element set:      72
Inclination:       98.9351 deg
RA of node:       345.8083 deg
Eccentricity:    0.0010873
Arg of perigee:    80.5839 deg
Mean anomaly:     279.6299 deg
Mean motion:   14.00566807 rev/day
Decay rate:       2.77e-06 rev/day^2
Epoch rev:             932

Satellite: MET-2/20
Catalog number: 20826
Epoch time:      90307.03366330
Element set:      71
Inclination:       82.5257 deg
RA of node:       117.7520 deg
Eccentricity:    0.0012779
Arg of perigee:   148.8067 deg
Mean anomaly:     211.3853 deg
Mean motion:   13.83234528 rev/day
Decay rate:       9.70e-07 rev/day^2
Epoch rev:             494
/EX
```

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad

or, tad@ssc.UUCP

From 2524710797357957731
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cb707fb6d5c77ed,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-11 16:23:36 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!LEAV-EMH.ARMY.MIL!RTDIMO%GOR1
From: RTDIMO%GOR1@LEAV-EMH.ARMY.MIL (LARRY CARR)
Newsgroups: rec.ham-radio
Subject: Dual band antennas for an HT
Message-ID: <9011121913.AA29546@ucsd.edu>
Date: 12 Nov 90 00:23:36 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Mon Nov 12 01:23:36 1990

Gordon Charrick wrote about sorry antenna supplied with IC-24AT. He is absolutely correct, it is sorry, but works great in areas where you have a strong repeater signal and intermod from pager services. It keeps out unwanted signals. But for weak signal work and out of band stuff you need a good antenna. I bought Japanese name brand: Maldol HS-702S from H.C. VanValzah Co. It is probably somewhat like the Diamond antennas others on the net have said they bought. When I put this antenna on the Ic-24AT I own, signals jumped up to full scale when before I couldn"t even hear them with the supplied dual band duck. It works great on all freq (including 870 MHZ and up). This antenna is flexible and 17" long. I Think I paid about $22 for it. I looked at the MFJ (too rigid) and the Larsen (too expensive) but after careful testing with three or four antennas, I decided the best all around was the one I bought. It is probably about the same as the Diamond (the diamond is $2 more). Whatever you do, I would not recommend buying an extended antenna that is not flexible. The first time you hit something with it you'll be resoldering your antenna connector inside the radio (no fun at all).

From -5970619286530971426
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,207b5533297e72fb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-11 16:34:57 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!LEAV-EMH.ARMY.MIL!RTDIMO%GOR1
From: RTDIMO%GOR1@LEAV-EMH.ARMY.MIL (Larry Carr)
Newsgroups: rec.ham-radio
Subject: Help with MFJ-1278 needed
Message-ID: <9011121914.AA29564@ucsd.edu>
Date: 12 Nov 90 00:34:57 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet

Lines: 17
Posted: Mon Nov 12 01:34:57 1990

Dan "Sneakers" Schein writes
> I've just bought a MFJ-1278 -- and need a bit of help with it...

Dan, I tried to send direct to you but msg came back undelivered. I'll post here for you. I recommend you find someone with a manual and copy it. There are just too many commands to post on this net or to send a msg about. But here are some basic commands (if you are running MFJ-1284 Terminal Program, version 3.0)
Mode VP (packet)
Mode HP (hf)
Mode VB (VHF RTTY)
Mode HB (HF RTTY)
Mode VA, HA (ASCII RTTY)
Mode FX, FAX(CTRL F7 starts it)
Mode TV, SSTV(ALT F7 starts it)
To quit any mode back to CMD: hit F1.
Receive: K, Transmit: CTRL T (back to receive: CTRL R)
Hope this helps.   Try to get a book, you really need it.

From 1574141648846478572
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31b600885a922323
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-11 16:53:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!uunet!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: Phone bashing
Keywords: just suppose
Message-ID: <271@bongo.UUCP>
Date: 12 Nov 90 00:53:11 GMT
References: <39522@ut-emx.uucp>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 70
Posted: Mon Nov 12 01:53:11 1990

In article <39522@ut-emx.uucp>, oo7@ut-emx.uucp (Derek Wills) writes:
> Most phone DXing and contesting is conducted in English (well, most is in
> Amurrican but we'll overlook that). Suppose you were Japanese, didn't speak
> English, but got interested in amateur radio and DXing. Do you really think
> that learning cw in order to do cw DXing would be such a terrible thing when
> compared with having to learn English in order to do phone DXing?

Now when I lived in Denmark with my no-code licence I used to chat to Germans on 2M SSB. Many of them didn't speak English. Many of them, like me, didn't know Morris. So I learn't how to do the "You're Fahvenine Copenhagen -QSL?" routine in German. I got so good at it that sometimes the German station would come back to me and drone on for hours about the shack, the wife, the kids and the garden with me understanding about 2% of it.

Despite the problem of sounding too fluent I managed to fill the log book with Germans. I even crammed a few French stations in as well. When you get down to it. Knowing Morris QSO speak for the average contact is no different than knowing German, French, Swedish, Spanish QSO speak for the average contact. The only thing that ever threw me was the Swedish OFs that said something that sounded like "Al Verdanner Op" for CQ. But after hearing it a few times I caught on.

In most languages the CQ amd Q signal stuff is common. Some countries say "Come" some say "Go" for an over. But a couple of nights listening and it should become plain.

> How many of the licensed Russians (for example) know English well enough to
> converse over the air, pick out weak calls with non-standard phonetics etc?

Most Ruskies (certainly pre Glasnost) would only give name, sig report and QTH, with QSL via box 88. So even if you did speak Russian as some of my friends did, the chance of a "How's the wife?" QSO was pretty slim.

>
> I don't see a lot of difference between the attitudes "they should all learn
> my language" and "I shouldn't have to learn cw", or, for that matter, "why
> can't you get a decent hamburger and fries in Burkina Faso?" (sadly, you
> probably can).

I certainly believe that you should learn enough of any language, even Texan, to be able to chat to the natives. If CW is the language of the HF bands, then a working knowledge will be helpful. And yes, if you want to work some of the more obscure parts, CW is a distinct advantage. Chances are, if you really want to know what the fries are like in the Ouagadougiou Wendy's you will have to ask the Burkina Faso station in CW. If English is not his language though, he may not understand the question and reply that it is "Not raining in Tokyo".

>
>
> I also realize that I am equating "HF operation" with "DXing" but I think of
> them as the same thing. I don't go on 20m in order to talk with people in
> the same country, although some people obviously do - they need professional
> help :-)

Now when I lived in Denmark, a whole bunch of local Danes used to sit on 14.20 and chat amongst themselves in Danish. I believe they have since moved. Every now and again an Ex-pat would call in and they would chat in Danish and log one more country. The appearance of a Danish speaking DX station was always written up - with QSL info - in the Danish Ham rag. But despite that, yes, HF is for DX and the local FM repeater is for local chats, unless you also use it as a phone patch to call foreign countries to set up HF skeds :-)

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From 5662121602597127204
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-11 17:08:49 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov12.010849.26585@ux1.cso.uiuc.edu>
Date: 12 Nov 90 01:08:49 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct28.185659.11837@NCoast.ORG> <463@ssc.UUCP>
<1990Oct30.195918.11041@portia.Stanford.EDU> <12465@uswat.UUCP>
<1990Oct31.204219.27791@ux1.cso.uiuc.edu> <2669@cirrusl.UUCP>
Organization: University of Illinois at Urbana
Lines: 51
Posted: Mon Nov 12 02:08:49 1990

dhesi%cirrusl@oliveb.ATC.olivetti.com (Rahul Dhesi) writes:

>I think I have the perfect solution.
>
>Access to the CW part of the spectrum should be permitted only to
>those who know the Morse code.
>
>Access to other parts of the spectrum should be permitted only to those
>who have the appropriate skills. E.g., only people who can speak
>should be allowed to use phone, only people with functioning EME
>equipment should be allowed to bounce off the moon, etc, only
>people with working 2-meter equipment should get to use that
>band, etc.
>
>It's silly to require people to learn the Morse code in order to just
>be allowed to talk.

Rahul: these ideas have already been suggested, and in fact are considered by many to be reasonable and appropriate.

The elaborate idea of testing peole for each type if thing they get into, which in the opinion of some as simply be unnecessary, just won't fly with the FCC at all due to bureaucratic limitations (e.g. $$$).

While we still need to require code for access to HF, we don't want to do this is such a way as to require a lot of classes.

Here's what to do. Design a system of license classes. Make it meet these requirements:

1. CW required only for access to HF.
2. Specify which new class each currently licensed ham will be grandfathered into under your system. No one is to lose any privileges they now have.
3. Make sure there is an upgrade path from any class to any other class that has additional privileges.
4. All non-HF privileges must be earnable w/o being bundled with HF so that it isn't necessary to learn code to earn unrelated privleges.
5. The number of classes must be the absolute minimum necessary and under no circumstances more than 6. Fewer is always better.

Also consider:

6. ...no overgranting of new privileges by the grandfathering process unless there is some describable reason for it.
7. ...some degree of status quo on the HF structure for the purpose of not mixing up the issue of codeless access to VHF-up and the issue of abolishing incentive licensing.... if you can.

--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 1257790381592575358
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-11 17:22:56 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov12.012256.28210@ux1.cso.uiuc.edu>
Date: 12 Nov 90 01:22:56 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp> <7880360@hpfcdc.HP.COM>
Organization: University of Illinois at Urbana
Lines: 72
Posted: Mon Nov 12 02:22:56 1990

perry@hpfcdc.HP.COM (Perry Scott) writes:

>Here's my modest proposal: provide (small) code-free [vsu]hf subbands.
>If they turn into glorified CB bands, then don't give them any more
>bandwidth. If they turn into real technology mills, then expand them.

My argument against this is that small subbands won't produce any usable results due to:

1. Subbands might be too small.

2. Semi-ghetto effect due to lack of contact with hams on the "main" subbands.
3. Duplication within these subbands of band planning done elsewhere and resultant planning/ccordination problems.

Would you set aside part of the repeater subband? The packet subband?
The DX subband? The experimental subband? The ATV subband? All of these?

NIMBY!!

>I work in a similar environment. One person here has been a factor in
>five people getting licensed. That's ~10% of the organization.

Maybe we need more people like that one person.

>>Sometimes people begin to get interested. Then they inevitably ask the
>>question, "Do you still need to know the morse code?" Given that the
>>answer here is still "yes", they immediately lose all interest.
>>They just don't want to waste time learning
>>an antiquarian skill as a hazing ritual.

>The answer is "Morse Code is required of US amateurs by international
>treaty. Besides, it is so trivial to learn that that you can do it in 2
>weeks by studying 1/2 hr/day." While you may acknowledge their
>perceptions, you don't have to agree with them. Two guys here knew they
>were being hazed, but then got into the challenge so much, they went for
>13 WPM !

And what if they had NOT been hazed? Might they be going for 20 or even 35?

The CORRECT answer is "Morse Code is required of ALL amateurs for privileges
on HF frequencies by international treaty. Because the hams who are
interested in HF (and thus have frequent use and need for Morse) know
that learning code is easy, and to a great extent because they spent
a great deal of time learning it (even though it is "easy") they want
all US amateurs to do so, even if the prospective ham has no interest in
HF at all (heresy!)".

>For anyone who plays Tetris, or any of those video games, Morse Code is
>like making it to Level 5, 13, or 20. I've watched my wife spend hours
>trying to hit level 10 / height 6. No difference. She could have been
>at 13 WPM by now.

OK, so when do we see the "Morse Code Game"?

>Agreed. But the purpose of ham radio is not efficient communications.
>(Boy, am I going to get flamed for that.) The purpose is to _develop_
>and _test_ efficient communications (like packet, new modulation
>techniques, etc).

One of them, anyway.

>Then we need to create a VHF-and-up license class. But, if that happens,

>I want large Communicator-free subbands. If the usage patterns explode
>like everyone predicts, then give them more spectrum. If they behave
>like cretins, take away some spectrum.

How large? Where do you divide the spectrum? Specific ideas?
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 1279548999459667104
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b4387f31195990d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-11 17:31:57 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Code & Other requirements
Message-ID: <1990Nov12.013157.29119@ux1.cso.uiuc.edu>
Date: 12 Nov 90 01:31:57 GMT
References: <9010231256.AA05779@lonex4.radc.af.mil> <7880359@hpfcdc.HP.COM>
Organization: University of Illinois at Urbana
Lines: 49
Posted: Mon Nov 12 02:31:57 1990

perry@hpfcdc.HP.COM (Perry Scott) writes:

```
    >>>You see the trees, but miss the forest.  My point is that CW is the one
    >>>modulation method that everyone knows.  That, in itself, is a useful
                                       ^^^^^
 +-------------------------------------^^^^^
 |
 |  >>>function.
 |  >>
 |  >>If by "CW" you really meant "Morse Code", a particular code popular by
 |  >>many as a manual means of communication, then.....
 |  >>
 |  >>ABSOLUTELY NOT TRUE.
 |  >>
 |  >>--Phil Howard, KA9WGN--
 |
 |  >According to International agreement, all HF users must demonstrate
 |  >proficiency in morse code.  Since all US amateurs can use the HF bands,
 |  >then all US amateurs knew the code at one time or another.  This is the
 |                        ^^^^
 +------------------------^^^^
```

Big difference in tense here.

>"watering hole" I'm talking about. If you've forgotten where the watering hole is, then I hope you never have to talk to anyone there. i.e. I hope the mic and/or speaker on your HT never flake out when you really need it.

>I don't think the rules say "proficiency only when the test is given", but I've never tried to split hairs that closely. I don't think the FCC would yank someone's license if they've forgotten their code element. If that's true, there are a lot of OFs with sexy, short calls in serious trouble.

Also, it would seriously foreshorten the (already threatened) life of the Amateur Service.

I learned just barely enough code to pass the Novice and didn't need any more to pass the Tech. I presently have no interest in Morse Code.

I take it that what you mean is that each *HF* amateur that does not now know Morse Code at least knew it at one time and so could pick it up again. But of course this does not apply to VHF and above.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -4088069339778544484
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31b600885a922323
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-11 18:12:28 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Phone bashing
Keywords: just suppose
Message-ID: <1990Nov12.021228.4434@ux1.cso.uiuc.edu>
Date: 12 Nov 90 02:12:28 GMT
References: <39522@ut-emx.uucp>
Organization: University of Illinois at Urbana
Lines: 14
Posted: Mon Nov 12 03:12:28 1990

oo7@ut-emx.uucp (Derek Wills) writes:

>I also realize that I am equating "HF operation" with "DXing" but I think of them as the same thing. I don't go on 20m in order to talk with people in the same country, although some people obviously do - they need professional help :-)

For a country the size of Kuwait, I'd agree. For a country the size of USSR or USA, HF is needed just to get to the other end. There are other

legitimate amateur uses of HF besides DX and contests.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -7990335197308572776
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,69f7dbf54cc43ba6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-11 22:44:06 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!att!linac!pacific.mps.ohio-state.edu!
zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: SOLAR TERRESTRIAL FORECAST AND REVIEW
Message-ID: <901111234406.20400438@HG.ULeth.CA>
Date: 12 Nov 90 06:44:06 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 386
Posted: Mon Nov 12 07:44:06 1990

--- SOLAR TERRESTRIAL FORECAST AND REVIEW ---

November 10 to November 20, 1990

Report Based In-Part from Data Obtained from the
Space Environment Services Center
Boulder Colorado

SOLAR TERRESTRIAL REVIEW FOR 04 NOVEMBER TO 10 NOVEMBER.

Solar activity has been low to moderate over the past week. Several M-class flares have erupted since 04 November. The first M-class flare activity occurred on 04 November with the eruption of a class M2.1/1B Tenflare with associated bursts of rich radio emissions. The emissions at 245 MHz peaked at 11,000 s.f.u., while 10 cm emissions remained confined to 330 s.f.u. The flare occurred at 17:41 UT from Region 6347 (S21E15 on 04 November). This flare had no terrestrial impacts. Activity has since fluctuated at low to moderate levels since 04 November. The most recent moderate activity occurred on 11 November when a class M2.1/SF flare occurred from Region 6361 (flare location: N10E18) at 04:36 UT. The duration of this flare was 56 minutes and did not produce any short wave fades.

Geomagnetic activity was unexpectedly quiet throughout much of the past week. Effects from a coronal hole never materialized as was expected early in the week. Perhaps the most noteworthy period of geomagnetic activity was the inactivity of 05 and 06 November. A-indices were way down on these days. The

A-index values at Boulder Colorado, for example, dropped to a value of 1 for 24 hours during this period. Recently, however, the geomagnetic field has become more active with periods of active to minor storming being observed at higher latitudes (as of 11 November).

Auroral activity has been practically non-existent this week over low and middle latitudes. High latitudes were also void of any auroral activity throughout most of the week. On 10 November, auroral activity became visible at high latitude and northerly middle latitude locations, but remained mostly of low intensity over middle and many high latitude locations.

Radio propagation conditions have been normal to above normal over the past week, with fair to good propagation over high latitudes earlier this week and good to very good propagation over middle and low latitudes throughout most of the week. Propagation became somewhat degraded over middle latitudes on the evening of 10 November, but has since improved to normal or better conditions (as of 11 November).

SHORT TERM SOLAR TERRESTRIAL FORECAST

Solar activity is expected to remain low to moderate throughout the next week. Region 6361 (N08E04) which has a Beta-Gamma magnetic configuration, is very capable of producing several more M-class flares. This region has been the site for most of the flare activity. It has produced numerous subflares. Most of the activity has been observed to occur just north of the leader spots. This regions' beta-gamma configuration increases the chance of witnessing a major flare. Current flare probabilities for the next 72 hours follow:

Flare Type	24hr	48hr	72hr
Class M:	50%	50%	50%
Class X:	05%	05%	05%
Proton Flare:	05%	05%	05%

The potential for a significant proton flare is small and has not changed the PCA alert condition. No PCA's are expected from the regions currently visible on the solar disk. The 10.7 cm solar radio flux should begin a gradual decline over the next week, barring any significant growth in Regions 6358, 6361 and 6364. The preliminary solar flux peak for this week occurred on 07 November with a peak flux of 215, which was within the predicted range for this solar rotation. The current sunspot number for 11 November is 274, and is also expected to begin a gradual decline over the next week.

Geomagnetic activity is expected to remain mostly quiet to unsettled over the next 72 hours at least. Activity may become slightly enhanced on 15 or 16 November, but is not expected to reach storm levels. Conditions should remain predominantly quiet to unsettled at low and middle latitudes. High latitudes should remain mostly unsettled throughout the coming week.

Auroral activity will not be visible from low and most middle latitude stations this week. High latitudes may witness periods of low auroral activity, but such activity will not be too common even at high latitudes.

Radio propagation conditions should remain similar to what they have been like over the past week, with normal to above normal propagation over most paths. There is a moderate risk of short wave fades (SWF) and sudden ionospheric disturbances (SIDs) over the coming week on the sunlit hemisphere of the earth. Potential flare activity may produce SWFs and SIDs, particularly if Region 6361 continues to exhibit a beta-gamma configuration.

SUMMARY OF ALL ACTIVE REGIONS VISIBLE ON THE SOLAR DISK AS OF 11 NOVEMBER

Region #	Location	LO	Area	Class	LL	Spots	Magnetic Type
6347	S18W89	220	0000	AXX	00	001	ALPHA
6349	S16W73	204	0150	HSX	01	001	ALPHA
6350	S23W85	216	0180	HSX	02	001	ALPHA
6353	N15W29	160	0030	BXO	03	009	BETA
6355	N17W89	220	0450	DAO	10	004	BETA
6358	N16W21	152	1260	DHO	09	014	BETA
6359	S19W14	145	0030	BXO	04	006	BETA
6360	S13W07	138	0000	AXX	00	001	ALPHA
6361	N08E04	127	0630	EAO	15	033	BETA-GAMMA
6362	N08W21	152	0120	CRO	06	013	BETA
6364	S31E05	126	1080	EKO	14	038	BETA
6365	S23W58	189	0030	BXO	05	004	BETA
6366	S21E30	101	0060	CRO	04	006	BETA
6367	N41E52	079	0030	BXO	04	003	BETA

NOTES: Area is in million square kilometers. Angular extent (LL) and solar longitude (LO) are in degree's. For more information regarding the terminology used above, request the Glossary of Solar Terrestrial Terms from: "std_oler@hg.uleth.ca".

H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AS OF 24:00 UT ON 11 NOVEMBER.

REGION	LOCATION	LO	COMMENTS (IF ANY)
6356	S24W71	203	
6357	S15W34	165	
6363	S08W83	214	

ACTIVE REGIONS DUE TO RETURN BETWEEN 12 AND 14 NOVEMBER

Region	Latitude	Longitude (Helio.)
6326	S26	041
6327	N20	030
6331	N19	017

NOTES:

For definitions regarding the above, request the Glossary of Solar

Terrestrial Terms from "std_oler@hg.uleth.ca".

GRAPHICAL ANALYSIS OF RECENT GEOMAGNETIC ACTIVITY - BOULDER COLORADO

```
                  Cumulative Geomagnetic Activity History
             Peak Geomagnetic Activity during the past 87 hours
     _________________________________________________________________
    |  EXTREMELY SEVERE |        |        |        |     | VERY HIGH! |
    | VERY SEVERE STORM |        |        |        |     | HIGH       |
    |      SEVERE STORM |        |        |        |     | MODERATE   |
    |       MAJOR STORM |        |        |        |     | MODERATE   |
    |       MINOR STORM |        |        |        |     | LOW        |
    |       VERY ACTIVE |        |        |        |  *  | NONE - LOW |
    |            ACTIVE | *  *  *| **    *| *   *  |*****| NONE       |
    |         UNSETTLED |** *****|********|********|*****| NONE       |
    |             QUIET |********|********|********|*****| NONE       |
    |        VERY QUIET |********|********|********|*****| NONE       |
    |-------------------|--------|--------|--------|-----|------------|
    | Geomagnetic Field |  Thu.  |  Fri.  |  Sat.  | Sun.|  Anomaly   |
    |    Conditions     |    Given in 3-hour intervals   | Intensity  |
    |_________________________________________________________________|
```

NOTES:

This graph ONLY depicts geomagnetic conditions observed at Boulder, Colorado for the past 87 hours. Conditions to the north of Boulder will generally have slightly higher activity than Boulder, while conditions to the south of Boulder will likely have lower activity than those depicted here. However, the plots should present a good approximate average of planetary geomagnetic conditions.

"Anomaly Intensity" is meant to represent nothing more than a very rough guide to the --potential-- interaction geomagnetic fluctuations --might-- have on earth-based systems sensitive to magnetic fluctuations (ie. electrical power distribution networks, telecommunications networks, etc.).

For radio signal propagation purposes, plot lines are approximately proportional to propagation quality when plot lines are below Minor Storm conditions. Propagation quality may deteriorate rapidly (ie. non-proportionally) when plot lines reach or exceed Minor Storm levels. Complete radio blackout conditions on all short-wave frequencies may occur if plot lines reach or exceed Severe Storm levels.

PLANETARY 10-DAY GEOMAGNETIC ACTIVITY OUTLOOK (11 NOVEMBER - 20 NOVEMBER)

```
    ________________________________________________________________________
   |  EXTREMELY SEVERE |   |   |   |   |   |   |   |   |   |   | VERY HIGH! |
   | VERY SEVERE STORM |   |   |   |   |   |   |   |   |   |   | HIGH       |
   |      SEVERE STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MAJOR STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MINOR STORM |   |   |   |   |   |   |   |   |   |   | LOW        |
   |       VERY ACTIVE |   |   |   |   |   |   |   |   |   |   | NONE - LOW |
   |            ACTIVE |   |   |   |   | * | * |   |   |   | * | NONE       |
   |         UNSETTLED | * |** | **|***|***|***| * | * |***|***| NONE       |
   |             QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |        VERY QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |-------------------|---|---|---|---|---|---|---|---|---|---|------------|
   | Geomagnetic Field |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|  Anomaly   |
   |    Conditions     |       Given in 8-hour intervals       | Intensity  |
   |________________________________________________________________________|
```

NOTES:

Predicted geomagnetic activity is based heavily on recurrent phenomena. Transient energetic solar events cannot be predicted reliably over periods in excess of several days. Hence, there may be some deviations from the predictions due to the unpredictable transient solar component.

GRAPHICAL ANALYSIS OF SOLAR ACTIVITY OVER THE PAST 60 DAYS

```
                   Cumulative Graphical Analysis of
                           Solar Activity

    ------------------------------------------------------------
242|                                                            | MOD.
235|      F = Major Flare(s)                                    | MOD.
227|                                *                           | MOD.
220|                               ***  *                       | MOD.
212|                               ***  *                  **   | MOD.
205| *  F *                       ****  *                  **   | MOD.
197| ***F****                   ******  *F                **** *| MOD.
190|****F*****                 **********F                ******| LOW
182|****F******          *    ***********F*               ******| LOW
175|****F*******        **   ************F*               ******| LOW
167|****F*******        *****************F**             *******| LOW
160|****F********      ******************F*** * *        *******| LOW
152|****F*********   ********************F**********    ********| LOW
145|****F********************************F********** * *********| LOW
137|****F********************************F**********************| LOW
130|****F********************************F**********************| LOW
    ------------------------------------------------------------
               Cumulative 60 day Solar Activity Record
                   Start Date:  September 13, 1990
```

NOTES:

Left-hand column digits represent the 10.7 cm solar radio flux obtained from Ottawa. The right-hand column describes the relative solar activity for that period based on the average number of major and minor flares that can be expected for related solar flux values. Plot lines labeled with the letter "F" represent days where at least one major flare occurred (ie. class M5 or greater flare).

RADIO SIGNAL PROPAGATION PREDICTIONS (11 NOVEMBER - 20 NOVEMBER)

```
                              High Latitude Paths
            --------------------------------------------------------
```

```
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |   |   |   |   |   |   |   |   |   |   |
           |           GOOD |   |   |   |   |   |   |   |   |   |   |
           |           FAIR |* *|* *|* *|* *|  *|  *|* *|* *|  *|  *|
           |           POOR | * | * | * | * |** |** | * | * |** |** |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Each Line Represents 8-Hours      |
            -------------------------------------------------------

                             Middle Latitude Paths

            _______________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |* *|* *|  *|   |   |   |  *|* *|   |   |
           |           GOOD | * | * |** |***|***|***|** | * |***|***|
           |           FAIR |   |   |   |   |   |   |   |   |   |   |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Each Line Represents 8-Hours      |
            -------------------------------------------------------

                                Low Latitude Paths

            _______________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |* *|* *|* *|* *|  *|  *|* *|* *|  *|  *|
           |           GOOD | * | * | * | * |** |** | * | * |** |** |
           |           FAIR |   |   |   |   |   |   |   |   |   |   |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Each Line Represents 8-Hours      |
            -------------------------------------------------------

NOTES:
       High latitudes >= 55       degree's north latitude
     Middle latitudes >= 40 < 55  degree's north latitude
        Low latitudes  < 40       degree's north latitude


AURORAL ACTIVITY PREDICTIONS (11 NOVEMBER - 20 NOVEMBER)

                            High Latitude Locations

            _______________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   |   |   |   |   |   |   |   |
|       MODERATE |   |   |   |   | * |   |   |   |   |   |
|            LOW |***| * | * |***|***|***|***| * |***|***|
|    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
|----------------|---|---|---|---|---|---|---|---|---|---|
|    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
|   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
 --------------------------------------------------------

              Middle Latitude Locations
 ________________________________________________________
| EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
|      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
|           HIGH |   |   |   |   |   |   |   |   |   |   |
|       MODERATE |   |   |   |   |   |   |   |   |   |   |
|            LOW |   |   |   |   | * | * |   |   | * |***|
|    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
|----------------|---|---|---|---|---|---|---|---|---|---|
|    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
|   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
 --------------------------------------------------------

                 Low Latitude Locations
 ________________________________________________________
| EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
|      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
|           HIGH |   |   |   |   |   |   |   |   |   |   |
|       MODERATE |   |   |   |   |   |   |   |   |   |   |
|            LOW |   |   |   |   |   |   |   |   |   |   |
|    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
|----------------|---|---|---|---|---|---|---|---|---|---|
|    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
|   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
 --------------------------------------------------------
```

NOTES:

Latitudinal boundaries are the same as those given above for radio propagation quality. Periods of high auroral activity may be suitable for auroral-propagation. Locally visible moderate auroral activity will almost always cause moderate to strong deterioration in HF signals, while locally visible high auroral activity will render most HF bands useless.

Auroral activity is defined as follows:

NOT VISIBLE: Not visible

LOW: Diffuse, inactive auroral activity visible very near the northern horizon for mid and low latitudes.

MODERATE: Visibly active, but not exceptionally bright auroral activity most visible above the northern horizon for mid to high latitudes. This type of activity usually encompasses torch-like (or beam-like) aurorae mixed with low-intensity curtain aurorae.

HIGH: Visibly very active, with periods of bright, pulsating curtain aurorae possibly mixed with moderate intensity zenith aurorae. Can occur to the north as well as stretching up near the zenith, particularly at middle latitudes. There may be some color fluctuations discernable.

VERY HIGH: Very active, very bright and very colorful auroral activity possibly mixed with intense zenith and curtain aurorae. Visibly strong pulsations with auroral boundaries to the zenith, stretching even partway to the southern hemisphere of the sky.

EXTREMELY HIGH: Rare, incredibly bright auroral activity with rapid color and brightness fluctuations mixed with very strong rapid auroral pulsations visible throughout the entire sky.

There are three plotted lines per day in the auroral activity prediction charts. Each of these three plotted lines represent three periods during the evening/morning when auroral activity can be seen. The first line represents the evening twilight period. The middle line represents the --local-- midnight sector, while the last line of each day represents the morning twilight period.

The auroral activity predictions charts are heavily based on recurrent phenomena and may not be accurate in the longer-term due to unforseen and unpredictable transient events (ie. such as solar flares).

The visibility of auroral activity depends on your location and the brightness of the sky (which is dependent upon both city lights and lunar phase). These charts do not account for these variations. The charts are based on dark-sky conditions (lunar phase excluded). Aurorae occur independent of sky brightness, so just because auroral activity may not be directly visible (due to lunar phase, for example) does not mean auroral activity isn't in progress.

** End of Report **

From -3579197070341933672
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b6562e9478148d2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-11 22:47:51 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!apple!netcom!mcmahan
From: mcmahan@netcom.UUCP (Dave Mc Mahan)
Newsgroups: rec.ham-radio
Subject: Where can I get a Kenwood owner/tech/users manual?
Summary: I need the docs for an R-300 receiver
Message-ID: <16665@netcom.UUCP>

Date: 12 Nov 90 06:47:51 GMT
Organization: Dave McMahan @ NetCom Services
Lines: 16
Posted: Mon Nov 12 07:47:51 1990

As it says in the header, I need to find any and all printed info on the Kenwood R-300 receiver. This radio is a shortwave receiver. I am going to purchase a used one for $75 from a friend of mine, but it comes with no paper. I'm looking for an address or phone number of a place to order every shred of printed matter on this thing, all the way from user's manual to schematic and theory of operation (if such a thing exists). Also, if you know of any user modifications that can be done to this model, please let me know about them.

-dave

--
Dave McMahan mcmahan@netcom.uucp
{apple,amdahl,claris}!netcom!mcmahan

From -5744830020610606558
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3328cb8f55165106
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 05:40:49 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!lavaca.uh.edu!menudo.uh.edu!lobster!urchin!f8324.n106.z1.fidonet.org!Christopher.Boone
From: Christopher.Boone@f8324.n106.z1.fidonet.org (Christopher Boone)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters
Message-ID: <3431.273EDB0F@urchin.fidonet.org>
Date: 12 Nov 90 13:40:49 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8324 - Far Point Relay Ham, Katy Tx
Lines: 22
Posted: Mon Nov 12 14:40:49 1990

>NY
>> The control would have to be either AUTOMATIC (which you say is
>not legal)
>> or would have to be REMOTE, which requires a control link on an
>AUXILIARY
>> frequency, which does not include any portion of 2 meters.
>
> I believe that recent changes in Part 97 have made remote
>
>control on the repeater input legal.
>
>

```
 >--
** End of Quote **
Not entirely true! The RULES still prohibit control of a repeater using the
freqs below 220.5Mhz! ONLY 220 and 440 rptrs may be controlled on their
inputs! A 2m machine or lower may not be because an auxillary station may not
control another station ( the rptr) below 220.5....and that hasnt changed.

73
WB5ITT


From -8874385706547384426
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac4d8fb542de7755
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 05:48:25 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!
lavaca.uh.edu!menudo.uh.edu!lobster!urchin!f8324.n106.z1.fidonet.org!
Christopher.Boone
From: Christopher.Boone@f8324.n106.z1.fidonet.org (Christopher Boone)
Newsgroups: rec.ham-radio
Subject: Re: Repeater antennas (Diamond?)
Message-ID: <3432.273EDB16@urchin.fidonet.org>
Date: 12 Nov 90 13:48:25 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8324 - Far Point Relay Ham, Katy Tx
Lines: 60
Posted: Mon Nov 12 14:48:25 1990

** Quoting Phil Graham to All **
 >|>
 >|> Has anyone had any experiences, good or bad, with Diamond
 >antennas for
 >|> repeater use?  The repeater is on 440, and from what I can
 >tell in
 >|> the Diamond catalog, the only 440 antennas they make are
 >actually
 >|> dual band (2 and 440), but seem to have excellent specs
 >considering
 >|> the cost when compared to other commercial antennas.
 >|>
 >|> Any other budget-minded suggestions for repeater antennas?
 >Stacked dipoles,
 >|> homebrew multiple 1/2 wave element collinears, and G6's
 >have already been
 >|> thought of.
 >|>
 >|> Also, anyone know of a good source of fiberglass tubing
 >for vertical
 >|> collinear homebrewing?
 >
 >I own two Diamond antennas for my personal shack use and I
 >love them.
```

>As a trustee for a local repeater, we considered new antenna
>alternatives. We did not choose Diamond because they would
>have to be
>modified for repeater use.
>We did not consider mechanical strength or other factors...
> We did not
>get that far. The problem with the Diamond or any antenna
>designed for
>the "normal" ham is that they do not have a significant amount
>of down-tilt.
>
>Down-tilt is a term decribing the antennas radiation pattern
>down rather
>than up. The problem is that most repeaters are mounted on
>a tall
>tower, hill or mountain. If the antenna's radiation pattern
>does not
>focus some of the energy down the hill then you could have
>trouble
>hearing or activating the repeater when you are under this
>envelope.
>
>I think this is the most common repeater design failure.
>
>Good Luck,
** End of Quote **
The downtilt problem is for those who are on a 1000ft or higher tower/mount,
etc and live in the shadow of such...for systems on 500ft or similar towers,
no downtilt is necessary....here in Houston several rptrs are using the
Diamonds...yes they do make a MONO band UHF antenna (get their lastest
catalog!) I would also suggest NCG and the Comet line they carry! Excellent
antennas! I am using their short dualbander (2X4FZ) and it is a good performer
for the price! (about 120)

73
WB5ITT

From 4627338505233729198
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed81721da3d6db9d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 05:51:09 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!lavaca.uh.edu!
menudo.uh.edu!lobster!urchin!f8324.n106.z1.fidonet.org!Christopher.Boone
From: Christopher.Boone@f8324.n106.z1.fidonet.org (Christopher Boone)
Newsgroups: rec.ham-radio
Subject: FT711 Yaesu
Message-ID: <3433.273EDB1C@urchin.fidonet.org>
Date: 12 Nov 90 13:51:09 GMT
Sender: ufgate@urchin.fidonet.org (newsout1.26)
Organization: FidoNet node 1:106/8324 - Far Point Relay Ham, Katy Tx
Lines: 11

Posted: Mon Nov 12 14:51:09 1990

anyone with mods for the Yaesu FT711RH please get ahold of me either by
Fidonet Matrix or write to my PO Box below...
I am looking to expand coverage down to include the 420 range if possible!
(We just joined here and I assume the rules are similar to the Fido ECHO about
posting mods?) Tnx and 73
WB5ITT

PO Box 3102
Conroe, Texas 77305-3102

FIDONET MATRIX address 1:106/8324

From 1048868601808099685
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fc8cdf85724a1e8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 06:03:50 PST
Path: gmdzi!unido!mcsun!uunet!tfsg!dennis
From: dennis@tfsg.UUCP (Dennis Gibbs)
Newsgroups: rec.ham-radio
Subject: Swap Nets
Keywords: Frequencies, Times!
Message-ID: <840@tfsg.UUCP>
Date: 12 Nov 90 14:03:50 GMT
Organization: TRW Inc., Chantilly, VA
Lines: 10
Posted: Mon Nov 12 15:03:50 1990

I accidentally discovered a swapnet on 3898KHz Friday evening at 0130 UTC. I
was wondering if anyone out there knows what the actual hours of operation are
for this swapnet and if anyone knows of other frequencies and times of
operation for swapnets? I found it very interesting and helpful even though
I am not a ham--it seems everyone gave their phone numbers out so that persons
without a transmitter could still participate.....

Dennis Gibbs
...uunet!tfsg!dennis
(703) 802-1961

From -3872153042849950243
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-12 06:19:56 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!
netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing

Message-ID: <151@platypus.uofs.edu>
Date: 12 Nov 90 14:19:56 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Nov12.010849.26585@ux1.cso.uiuc.edu>
Organization: University of Scranton, Scranton, PA
Lines: 39
Posted: Mon Nov 12 15:19:56 1990

I realize that there is no likely hood of this ever getting as far as the FCC for consideration, but what is wrong with a KISS license plan??

Example:

CLASS	(Old Class)	Priveledges	Requirements
C	(Technician)	All modes full power above 30 Mhz.	No CW -- Comprehensive technical exam.
B	(General)	All modes - all bands Power restricted to 250 watts.	5 WPM CW -- Comprehensive technical exam.
A	(Advanced)	All modes - all bands Full power.	Hold a Class B license for 2 years.

The way I see it, it keeps the paper-work simple for the FCC, provides an entry into Amateur radio for both CW and non-CW interests and has only one down side. By doing away with incentive licensing, there will be no higher classes to look down their noses and the lowly masses.
One argument I see is that there is no guarantee that a Class B license holder will use his 2 years to gain the experience that is necessary and is the only reason for having the restrictions on the Class B anyway. In fact, if a Class B user does just file his license away and never use it, I would think it highly unlikely that he would magically develop a renewed interest when he automatically became a Class A. I also think that the 250 Watt restriction is meaningfull when you consider the avaerage power of a commercial bare-foot rig today fits that class perfectly.

Any comments?? Should I actually write this up and propose it to the FCC?
Should I don my NOMEX underwear??

bill KB3YV
--

Bill Gunshannon | If this statement wasn't here,
bill@platypus.uofs.edu | This space would be left intentionally blank

From 1047405882438395619
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5c2ff00e18ade255,start
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 114aac,5c2ff00e18ade255,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-11-12 06:25:37 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!decwrl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (=Ron Todd)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: COMMUNICATIONS QUARTERLY, premier issue
Keywords: HRM, Ham Radio Magazine, Communications Quarterly
Message-ID: <112@thoreau.nsc.com>
Date: 12 Nov 90 14:25:37 GMT
Organization: National Semiconductor, S. Portland, Maine
Lines: 71
Xref: gmdzi rec.ham-radio:16774 rec.radio.shortwave:2681
Posted: Mon Nov 12 15:25:37 1990

Hello all you in netland,

Terry Northup, editor of COMMUNICATIONS QUARTERLY, has just sent me a list of articles scheduled to appear in the premier issue. The following is a copy of the text of her fax. In my narrow mind :-) this looks to be a real good start for her project. You can contact COMMUNICATIONS QUARTERLY at this address:

CQ Communications, Inc.
COMMUNICATIONS QUARTERLY
Terry Northup, Editor
Main St.
Greenville, NH 03048 USA

Phone (603) 878-1441
FAX (603) 878-1951

If you like what you see, please let Terry and the other people know, the best way would be to send in a subscription.

---------------------Letter Follows----------------------------------

Hi Ron: Here's a list of the articles which will appear in the premier issue of Communications Quarterly. Thanks for your help in getting the word out to other hams who might be interested. The first issue has gone to the printers and first copies should be out by the end of the month.

73,
Terry, KA1STC

Communications Quarterly
Editorial Schedule
1990

NOVEMBER 1990

WD4EUI	Interface Your Computer to the "Poor Man's Spectrum Analyzer"
N6NWP	High Dynamic Range Receiver
WB1ALZ/N2BU	A Communications System using Gunnplexer Transceivers
WA1SPI	S-Parameters
G2HCG	The Enhancement of HF Signals by Polarization Control
W6FR	Telephome Susceptibility to RFI
K1FO	432-MHz EME
Carter	Super Narrowband Techniques
NU1N	DSP: Working in the Frequency Domain
W0JF	The 5/4-Wavelength Dipole
K1ZJH	Transmitter IMD Measurements on a Utility-Grade Spectrum Analyzer
KB6IC	Error Correction in Data Transmission
W4MB	Using MININEC for Antenna Analysis

One thing I have to note after reading this is that there seems to be some good coordination of articles, there is some interrelation of the articles. Note how DSP and narrowband work can work together as can the spectrum analyzer articles. MININEC antenna analysis and the polarization control articles are a nice combination also. The combination of theory and practice is a real good touch.

You can e-mail me your comments, I am going to collect them and forward them to Terry.

73 and happy reading,
Ron Todd, K3FR

disclaimer: I am in no way connected with Communications Quarterly or with CQ Communications, Inc. I am doing this on my own hoping to further the practical exchange of Amateur Radio related technical information.

From -1355116136729769644
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1bc2b40565ff912,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 14:20:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!usc!julius.cs.uiuc.edu!apple!agate!ucbvax!CFE1.NRL.NAVY.MIL!zwirko%v5120.decnet
From: zwirko%v5120.decnet@CFE1.NRL.NAVY.MIL ("V5120::ZWIRKO")
Newsgroups: rec.ham-radio
Subject: Satellite WEFAX reception ?
Message-ID: <9011072230.AA27614@ucsd.edu>
Date: 7 Nov 90 22:20:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 29
Posted: Wed Nov 7 23:20:00 1990

Hi...

I'm posting this question for a hang gliding friend of mine, who has recently become a ham (Dave - N3IBY). PLEASE respond directly to my mailing address, if possible, for I have spotty reception of this mailing list. I will post results/comments, if need be, back on the net.

tnx... andy ka1gd

zwirko%v5120.decnet@ccf.nrl.navy.mil

....

Is there anyone out there who has received WEFAX off the geosync satellites?

According to the Handbook, there are several satellites which broadcast WEFAX on, or around 1691.0 MHz. Also there seems to be some wx transmissions (WEFAX?) on 137 MHz. Does anyone know the details of any of these transmissions, ie. mode/modulation scheme or hours of operation? Has anyone successfully copied WEFAX on 137 MHz or 1691.0 MHz and if so what receiver/downconverter/radio/ant were used and where might I find more information? I am interested in both kit and off-the-shelf units. I have also seen varying amounts of software for the KAM, PK232 and other all-mode digital boxes, which claim to save and display data on PC's. Does anyone have any experience, or comments regarding these types of products.

Any help would be much appreciated! Thanks.

....

From 4025837980890268520
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3c27ae1769c26021
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 14:28:08 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!funic!santra!puukko.hut.fi!s36572u
From: s36572u@puukko.hut.fi (Karl R. Tigerstedt)
Newsgroups: rec.ham-radio
Subject: Re: NASA Satellite Elements Format
Message-ID: <1990Nov7.222808.27649@santra.uucp>
Date: 7 Nov 90 22:28:08 GMT
References: <9011071203.AA00038@rtp40.dg.com>
Sender: news@santra.uucp (Cnews - USENET news system)
Reply-To: s36572u@puukko.hut.fi (Karl R. Tigerstedt)
Organization: Helsinki University of Technology, FINLAND
Lines: 17
Posted: Wed Nov 7 23:28:08 1990

I'm sorry, but I believe my message has been completely misunderstood. I would GREATLY appreciate receiving the keplerians in 2 line format, it's the FORMAT DISCRIPTION that I believe most people have already seen and

copied(if interested). Maybe there's something wrong with my host computer's
net connection, but the last month I have not received any Keplerians, only
a DISCRIPTION of the 2-line.

In short, it's the 2-line KEPLERIANS I would appreciate receiving.

And, yes, Thanks, Mr. Kelso for the work you've done in providing these
keplerians, I just wish you didn't stop.

"I have only come here seeking knowledge.
Things they would not teach me of in college"   - The Police
*** Karl Tigerstedt , email s36572u@puukko.hut.fi ***

From 8903546079410482396
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a52980d2c3608d8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 14:42:54 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!trey
From: trey@ut-emx.uucp (Trey Garlough)
Newsgroups: rec.ham-radio
Subject: Re: K1EA Software CT.EXE
Keywords: Logging software contest
Message-ID: <39330@ut-emx.uucp>
Date: 7 Nov 90 22:42:54 GMT
References: <798@idacrd.UUCP> <46232@apple.Apple.COM> <8236@gollum.twg.com>
Organization: The University of Texas at Austin; Austin, Texas
Lines: 13
Posted: Wed Nov 7 23:42:54 1990

>>Don't let this get around :-), but I also used CT in the contest and liked
>>it a lot. So when is someone going to write a similar program for the
>>Macintosh?
>>
>According to the survey in the NCJ last quarter, it was only something like 3%
>(I'm trusting my memory here, so be gentle) of the contesters that use Mac's.

Having an opportunity to beta test early versions of K1EA's software was
the #1 reason I bought a PC rather than a Mac.

Trey Garlough
Computation Center, University of Texas, Austin, Texas 78712
trey@sirius.cc.utexas.edu (internet) (512-471-3241)

From 3275280292269061970
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 15:35:54 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!

sol.ctr.columbia.edu!cica!news.cs.indiana.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov7.233554.19386@ux1.cso.uiuc.edu>
Date: 7 Nov 90 23:35:54 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp> <7880343@hpfcdc.HP.COM>
Organization: University of Illinois at Urbana
Lines: 40
Posted: Thu Nov 8 00:35:54 1990

perry@hpfcdc.HP.COM (Perry Scott) writes:
>Somehow, I have trouble swallowing the argument that 5 WPM code keeps
>the brightest minds out of Radio. A truly disciplined mind will
>recognize the CW requirement for what it is ("an interesting, but
>irrelevant baseband modulation example"), spend the 6 hours or whatever
>learning it, and then get on with being brilliant.

But.... why even have it in the first place?

What does the existance of the requirement tell the brilliant mind about
the attitudes of ham radio?

Which is the worst attitude problem:
1. Not getting into ham radio because of irrelevant requirements.
2. Continuing to have irrelevant requirements

(The question applies ONLY to privileges above 30 MHz)

>If the HF Olde Phartes want to be masochistic, let them. You don't need
>13 or 20 CW for getting the bands needed for some cutting-edge work.

But they are also being sadistic as well, with these requirements.

>My personal opinion is that Hams haven't worked hard enough at promoting
>what the Amateur Service provides to the brilliant minds - a personal
>playground at real power levels and bandwidths. We have not shown how
>computers can "marry" radio, with interesting results.

And when will they? We've had years to do the promoting. I've tried,
and just cannot justify it because of the damned Morse Code requirement
that keeps coming up.

>Besides, computer hackers can make more money in their spare time by
>hacking computers than by using _Amateur_ (read "non-profit") Radio.

This is the perception.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From 3307510202576784165
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 15:37:54 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cica!news.cs.indiana.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov7.233754.19549@ux1.cso.uiuc.edu>
Date: 7 Nov 90 23:37:54 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Nov4.015738.13603@bellcore-2.bellcore.com> <501@ssc.UUCP>
Organization: University of Illinois at Urbana
Lines: 21
Posted: Thu Nov  8 00:37:54 1990

tad@ssc.UUCP (Tad Cook) writes:
>In article <1990Nov4.015738.13603@bellcore-2.bellcore.com>,
karn@envy..bellcore.com (Phil Karn) writes:
>> In article <9294@b11.ingr.com> herbster@b11.ingr.com (Joe Herbster) writes:
>> > so why should i use more spectrum than is necessary to have a casual
>> > conversation??
>>
>> I agree. I assume you have and use a 24-Hz filter when working CW at
>> 20 wpm?
>>
>> Phil

>Phil has obviously never worked CW outside of the lab, using REAL ham
>gear in the REAL world.

In terms of information to spectrum ratios, CW needs to be that narrow
to justify its low information rate.  And it CAN be that narrow.  It's
just inconvenient to the human.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.
```

```
From 4274671674373620582
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 15:43:37 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!rutgers!att!emory!sol.ctr.columbia.edu!
cica!news.cs.indiana.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov7.234337.20305@ux1.cso.uiuc.edu>
```

Date: 7 Nov 90 23:43:37 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp> <7880341@hpfcdc.HP.COM>
<10182@uhccux.uhcc.Hawaii.Edu>
Organization: University of Illinois at Urbana
Lines: 25
Posted: Thu Nov 8 00:43:37 1990

johns@uhunix1.uhcc.Hawaii.Edu (John P. Shalamskas) writes:
>Argh!   Come ON! 5 words per minute is so ridiculously easy to learn...

>America is suffering a decline because too many people are getting
>fat and lazy. It is really no big deal to learn 5 WPM CW. Instead
>of learning it over the course of a few evenings, however, too many
>people spend all kinds of energy trying to lower the standards.

>I say "More is not necessarilly better." Lowering standards that are
>already low is no solution, unless you LIKE Citizens Band.

Less spectrum is also not necessarilly better, either. Ham radio growth
is nowhere near the growth of other services. They need OUR spectrum.

So maybe America *IS* fat and lazy. A Morse Code test isn't going to
change that. The lack of one might. Get someone into ham radio that
would not because of the test, and they might get interested in one of
the technical career areas, and they might start learning and working
on something and quit being fat and lazy.

If 5 WPM is ridiculously easy to learn, what good is the test at all?
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 2952225172258974650
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 15:47:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!rutgers!usc!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cica!news.cs.indiana.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov7.234746.21087@ux1.cso.uiuc.edu>
Date: 7 Nov 90 23:47:46 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp> <7880341@hpfcdc.HP.COM>
<1990Nov6.172134.29539@midway.uchicago.edu>
Organization: University of Illinois at Urbana
Lines: 25
Posted: Thu Nov 8 00:47:46 1990

pbhx@ellis.uchicago.edu (Peter B. Hayward) writes:

...
>Alan, the unfortunate thing is that it is required by international
>agreement for work on the HF bands. However, what is NOT required by
>that agreement is speed above 5 wpm. Since we HAVE to have code for
>HF, we should test ONLY at 5 wpm. If people think it would be nice to
>show greater proficiency than 5 wpm, let's roll that into the written
>exam process by adding questions to the written. I.e., let's add 5
>code questions to the extra, increasing the questions asked to 55 and
>the passing score to 41. That way, if you fail the five code
>questions, you don't fail the test.
...
>Peter B. Hayward   N9IZT/AE
>University of Chicago Computing Organizations

Hey, that makes sense! Pass the minimum 5 WPM for access to HF, and
then toss increased speed into the whole question pool. That way one
who is more technically inclined can upgrade that way, and one who is
more operator inclined can upgrade that way.

But are we allowed to have anything that make sense in ham radio?
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 4392851872970352167
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 15:52:04 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov7.235204.21760@ux1.cso.uiuc.edu>
Date: 7 Nov 90 23:52:04 GMT
References: <1990Oct30.203641.5283@athena.mit.edu> <535@chiton.ucsd.edu>
<1990Nov6.013026.16556@NCoast.ORG> <4360@altos86.Altos.COM>
Organization: University of Illinois at Urbana
Lines: 15
Posted: Thu Nov 8 00:52:04 1990

jerry@altos86.Altos.COM (Jerry Gardner) writes:
>For that I'm grateful. At the risk of starting another flame war, I must
>say I find packet the most boooooooooooring mode ever invented. I think
>it was invented by younger hams to kill off all of the old timers by boring
>them to death.

No one says that everyone has to be interested in everything in ham radio.
There is *NO* mode that interests, or should be expected to interest,
everyone with a ham radio license.

But I do know some "old timers" who are into packet radio, such as W9CD.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -4852414927435670390
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 16:01:56 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov8.000156.23203@ux1.cso.uiuc.edu>
Date: 8 Nov 90 00:01:56 GMT
References: <146@platypus.uofs.edu> <5suyR5w161w@phoenix.com> <703@philica.ica.philips.nl>
Organization: University of Illinois at Urbana
Lines: 37
Posted: Thu Nov 8 01:01:56 1990

geertj@philica.ica.philips.nl (Geert Jan de Groot) writes:
>Why? Myself, I have a no-code license, and yet I am allowed to use CW
>if I like. The only requirement is that I ID. However, if my CW is bad
>enough not to be copyable, ID in phone is perfectly legal within
>my license. Some people use this possibility to study CW after they got
>their no-code license and they decide they want a full license after
>all (a very popular grow-path).

Maybe you can argue why we should not, but in the USA we ahve subbands where it is not legal to use voice, and us VHF-er's are proud to sport (well maybe some of us) the ONLY TWO CW ONLY subbands in all of ham radio here.

The point is that if your CW is no good, you probably cannot make a good legal ID unless you do it by machine. But this is just sending skill. One can probably send a legal ID at 1.2 WPM anyway. I've done slower than that (in 2m).

>On the other hand, you should know what to do to make it very unlikely
>that your just-built new transmitter doesn't home planes to your backyard
>instead of the nearest airport.
>Pirate transmitters built by people without radio knowledge tend to have
>some nasty side-effects.

As to many part 15 unlicensed devices, computers, and all sorts of other "high tech" toys.

>My personal feeling is that these no-code licenses are very useful,
>and have proven the concept for at least 30 years here.
>I think it is time for the USA to come by to the rest of the world.

Yeah! But at least HAMS have to some extent, as we don't have a
260 foot band. (80 meters)
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -3129250680051502026
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b4387f31195990d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 16:07:43 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Code & Other requirements
Message-ID: <1990Nov8.000743.23973@ux1.cso.uiuc.edu>
Date: 8 Nov 90 00:07:43 GMT
References: <9010231256.AA05779@lonex4.radc.af.mil> <7880342@hpfcdc.HP.COM>
Organization: University of Illinois at Urbana
Lines: 19
Posted: Thu Nov 8 01:07:43 1990

perry@hpfcdc.HP.COM (Perry Scott) writes:

>You see the trees, but miss the forest. My point is that CW is the one
>modulation method that everyone knows. That, in itself, is a useful
>function.

If by "CW" you mean "continuous wave", a modulation method that can be
used for any binary data, then.....

MAYBE.

If by "CW" you really meant "Morse Code", a particular code popular by
many as a manual means of communication, then.....

ABSOLUTELY NOT TRUE.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -7561850477470235451
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3328cb8f55165106

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 16:14:09 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!
zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters
Message-ID: <1990Nov8.001409.25295@ux1.cso.uiuc.edu>
Date: 8 Nov 90 00:14:09 GMT
References: <1497@ke4zv.UUCP> <5326@qip.UUCP>
<1990Nov5.130815.24804@ux1.cso.uiuc.edu> <5473@crash.cts.com>
Organization: University of Illinois at Urbana
Lines: 15
Posted: Thu Nov  8 01:14:09 1990

skipsand@crash.cts.com (Skip Sanders) writes:
>I don't believe that uncontrolled Autopatches are legal.. the rule
>involved is the one regarding THIRD-PARTY traffic, which is not legal
>under automatic control other than the exception for Digital above 50 MHz.

So, are you saying that all automatically controlled 2 meter repeaters
with an autopatch are not legal?

The control would have to be either AUTOMATIC (which you say is not legal)
or would have to be REMOTE, which requires a control link on an AUXILIARY
frequency, which does not include any portion of 2 meters.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From 8969745047367025950
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ec683be702918cc8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 16:58:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!ucsd!ucbvax!ilpc07.intel.com!
pyossi
From: pyossi@ilpc07.intel.com ("Yossi Pizante ET1/QRE ", x5775)
Newsgroups: rec.ham-radio
Subject: ICOM 2SAT and 24AT Problem
Message-ID: <728@ilpc07>
Date: 8 Nov 90 00:58:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: <pyossi@iil.intel.com>
Organization: The Internet
Lines: 9
Posted: Thu Nov  8 01:58:08 1990


 I checked this week two ICOM HTs.
2SAT with serial number 7021, and 24AT with serial number 2488.
```

Both are "opened" for receive as appeared on the net, but both
have an offset only in 25KHz steps. So for example I cannot program
them to receive on 145.600 and transmit on 145.010 (580KHz offset).
Is it a bug on those HTs or it can be solve by some modification?

Yossi   4X6JP

From -7429472149264501149
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c969fbbb25e5d65b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 17:46:02 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!ucsd!ucbvax!hplabs!hpl-opus!hpspdra!paulz
From: paulz@hpspdra.HP.COM (Paul Zander)
Newsgroups: rec.ham-radio
Subject: Re: MININEC
Message-ID: <12280026@hpspdra.HP.COM>
Date: 8 Nov 90 01:46:02 GMT
References: <35484@cup.portal.com>
Organization: HP Stanford Park - Palo Alto, CA
Lines: 16
Posted: Thu Nov 8 02:46:02 1990

The answer to the mystery is that a dipole 1/2 wave long is not
resonant! The formula for an exact halfwavelength is

halfwavelength = 492/frequency in MHz.

The widely published formula for a dipole antenna is

l = 460/frequency in MHz.

Jim's explaination of the physics is as good as anything I can offer.
The practical result is that the wire must be cut a little shorter to
get zero reactance at the feedpoint. This is even before you do any
adjustments for the real world objects like houses which may be near
your antenna.

Paul AA6PZ

From -5321285858221013579
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,caa7b09a232bb19
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 18:03:06 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!att!linac!pacific.mps.ohio-state.edu!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!aplcen!haven!udel!masters
From: masters@freezer.it.udel.edu (paul masters)
Newsgroups: rec.ham-radio
Subject: Re: Hams and Public service/mods to HTs etc.

Message-ID: <35726@nigel.ee.udel.edu>
Date: 8 Nov 90 02:03:06 GMT
References: <691@npdiss1.StPaul.NCR.COM>
Sender: usenet@ee.udel.edu
Organization: University of Delaware -- ACIT Sun Lab
Lines: 22
Posted: Thu Nov 8 03:03:06 1990
Nntp-Posting-Host: toffee.it.udel.edu

In article <691@npdiss1.StPaul.NCR.COM> chuck@npdiss1.StPaul.NCR.COM (Chuck Rissmeyer) writes:
>If I modified my IC-745 to transmit on 11 meters (CB band) and kept
>the power down to 4 watts out, could I legally use it to transmit on
>that band?
>
>I don't ever intend on doing this, but I was just curious.

I don't think so. I believe you must have a special service license to modify a radio that opperats in the CB spectrum. On the other hand, I think you could modify a CB to work in the 10 meter band, because then it wouldn't be a CB radio anymore. I also think the FCC could care less in either case.

Paul

--
I will not waste chalk..I will not skateboard down the halls..I will not burp in class..I will not instigate revolution..I will not draw naked ladies in class..I did not see Elvis..I will not call my teacher "Hot Cakes".. Garlic gum is not funny..They are Laughing at me, not with me.....

From -2759537337612755160
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 18:24:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!bellcore!envy!karn
From: karn@envy.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov7.212441@envy.bellcore.com>
Date: 8 Nov 90 02:24:41 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp> <501@ssc.UUCP> <507@ssc.UUCP>
Sender: usenet@bellcore.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 39
Posted: Thu Nov 8 03:24:41 1990

Tad Cook:

> Phil has obviously never worked CW outside of the lab, using REAL ham
> gear in the REAL world.

How do you think I got my Extra? (Hint #1: I earned it in 1973, well before I had a personal computer. Hint #2: when I was active in Field Day, most of my operation was in - surprise! - CW).

Mark Zenier:
|> And he multiplied where he should have divided.

|> The bandwidth needed to send a 20 WPM Morse signal is about 17 H.

Yeah, looks like I did. But my BW figure of 24 Hz is probably closer to reality since you'll need some "excess bandwidth" over and above the Nyquist requirement in order to time the beginning and end of each symbol accurately. Yes, CW (or any digital signal) can be sent in just the Nyquist bandwidth. But if you do, the intersymbol interference goes to zero at only one instant in the middle of the bit, and there will be a LOT of jitter in the zero crossings between the bits.

Depending on how you recover bit timing at the receiver you may not care; the Coherent CW stuff will work fine with the smaller bandwidth as long as the receiver's bit element clock is properly synchronized to the transmitter's in some other fashion. If you want no jitter at all in your zero crossings, you'll need 100% "excess bandwidth", or twice the Nyquist bandwidth. That's 33 Hz for 20 wpm. Real synchronous digital modems typically operate somewhere between 0 and 100% excess bandwidth, depending on how they recover clock.

And, of course, all this assumes that you have stable, phase-linear filters - which nobody without DSP is likely to have.

Anyway, the original point of all this was to correct - once again - the mistaken notion that CW is somehow more "bandwidth efficient" than any other mode. Whether you use 17 or 33 Hz, both numbers are a lot smaller than the 400 Hz bandwidths of most real CW filters.

Phil

From -7604523236549969570
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac4d8fb542de7755,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 18:28:43 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Repeater antennas (Diamond?)
Message-ID: <32491@netnews.upenn.edu>
Date: 8 Nov 90 02:28:43 GMT
Sender: news@netnews.upenn.edu

Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 20
Posted: Thu Nov 8 03:28:43 1990

Has anyone had any experiences, good or bad, with Diamond antennas for repeater use? The repeater is on 440, and from what I can tell in the Diamond catalog, the only 440 antennas they make are actually dual band (2 and 440), but seem to have excellent specs considering the cost when compared to other commercial antennas.

Any other budget-minded suggestions for repeater antennas? Stacked dipoles, homebrew multiple 1/2 wave element collinears, and G6's have already been thought of.

Also, anyone know of a good source of fiberglass tubing for vertical collinear homebrewing?

--- Jeff
--
-=-
Jeff DePolo N3HBZ   Twisted Pair: (215) 386-7199
depolo@eniac.seas.upenn.edu   RF: 146.685- 442.70+ 144.455s (Philadelphia)
University of Pennsylvania   Carrier Pigeon: 420 S. 42nd St. Phila PA 19104

From -3957500018741403469
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,caa7b09a232bb19
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,cc868cf1173b9587
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,cc868cf1173b9587
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,cc868cf1173b9587
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-07 18:43:10 PST
Path: gmdzi!unido!mcsun!uunet!nih-csl!lhc!ncifcrf!haven!decuac!bacchus.pa.dec.com!decabo.enet.dec.com!ace.dec.com!brewer
From: brewer@ace.dec.com (John Brewer)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: Hams,Public service/mods to radios for 11 meters
Message-ID: <126@decabo.enet.dec.com>
Date: 8 Nov 90 02:43:10 GMT
Sender: news@decabo.enet.dec.com
Followup-To: rec.radio.shortwave
Organization: Digital Equipment Corporation
Lines: 12
Xref: gmdzi rec.radio.shortwave:2642 rec.ham-radio.swap:762 rec.ham-radio.packet:3014 rec.ham-radio:16646
Posted: Thu Nov 8 03:43:10 1990

In article <15565@venera.isi.edu>, onder@ISI.EDU (Bruce Onder) writes...
>In article <21057@ttidca.TTI.COM> root@ttidca.TTI.COM (The Root of all Evil)
writes:
>
>   and 10-12w RMS for AM use!) or additional modulation modes. (again, the
>   '148 can be made to do FM by adding a little kit that costs $20!)
>
>This may be a dumb question, but is there any reason to modify a CB to
>use FM?
>
To demonstrate intermodulation distortion?
73 /john wb5oau

From 1801256277384628493
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3328cb8f55165106
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 18:53:34 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!bcm!lib!
thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters
Message-ID: <4297@lib.tmc.edu>
Date: 8 Nov 90 02:53:34 GMT
References: <1990Nov5.130815.24804@ux1.cso.uiuc.edu> <5473@crash.cts.com>
<1990Nov8.001409.25295@ux1.cso.uiuc.edu>
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 13
Posted: Thu Nov 8 03:53:34 1990
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <1990Nov8.001409.25295@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil
Howard KA9WGN) writes:
>The control would have to be either AUTOMATIC (which you say is not legal)
>or would have to be REMOTE, which requires a control link on an AUXILIARY
>frequency, which does not include any portion of 2 meters.

Minor quibble here: an auxiliary station is only one way of providing remote
control. I know of at least one open autopatch on 2 meters that ran with two
phone lines, one for the patch and one for remote control...

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
"With design like this, who needs bugs?" - Boyd Roberts

From 3826794842717316310

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,caa7b09a232bb19
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 19:15:56 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!mips!pacbell.com!ucsd!usc!
wuarchive!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!news.cs.indiana.edu!
news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Hams,Public service/mods to radios for 11 meters
Message-ID: <320.273897B9@w8grt.fidonet.org>
Date: 8 Nov 90 03:15:56 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 24
Posted: Thu Nov  8 04:15:56 1990


 > From: root@ttidca.TTI.COM (The Root of all Evil)
 > Date: 7 Nov 90 05:19:26 GMT
 > Organization: Citicorp/TTI, Santa Monica
 > Message-ID: <21057@ttidca.TTI.COM>
 > Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,
 > rec.ham-radio
 >
 > +If you take it to the FCC lab and get it type accepted, yes.
 > +
 >
 >  None of the existing Amateur gear  could  pass.

I know. I thought I'd give a positive answer for a change rather than saying,
"No, naughty, naughty!" [:-)

--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"


From -7360620185572032092
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62cf76082d3e814c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 19:50:13 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: HR2510 Mods
Keywords: UNIDEN HR2510 10-METER
```

```
Message-ID: <1990Nov8.035013.29323@informix.com>
Date: 8 Nov 90 03:50:13 GMT
References: <2994@canisius.UUCP> <505@ssc.UUCP>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 26
Posted: Thu Nov  8 04:50:13 1990

In article <505@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>In article <2994@canisius.UUCP>, vester@canisius.UUCP (Karl Vesterling) writes:
>>
>>   I have a Uniden HR2510, and I had a technician replace the driver, and
>                                    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
>> final transistors.  It now does 10 Watts on AM dead key, and 40 Watts on Side
>> Band (all are RMS readings).  I still would like more power.  Up here in
>> Buffalo, 10 Watts AM, nor 40 Watts on sideband is still not enough to
> talk some skip.
>^^^^^^^^
>>
>Ummmm....I hope this isn't rude, but is this guy a licensed ham?  Something
>about having a technician modify the radio so he could "talk some skip"
>has me wondering.....

Will 40 watts really allow you to "talk some skip" better than 25 watts?
In my car, I use either an IC-735 (100 watts) or a converted Cobra CB.
(10 watts)  It doesn't seem to make much of a difference.  Perhaps it
would for local communication, but not when the band is open.  Power does
not seem to be as much of a factor on 10M as on other bands.

--

=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                          Informix Software, Inc.
Senior Programmer/Analyst, MIS                    uunet!pyramid!infmx!randall


From 4702020696332992776
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e936293d2fd4f623
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 20:13:56 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!usc!ucsd!ucbvax!hplabs!
hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Antenna remote location
Message-ID: <1250265@hpnmdla.HP.COM>
Date: 8 Nov 90 04:13:56 GMT
References: <950@jetsun.weitek.COM>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 19
Posted: Thu Nov  8 05:13:56 1990
```

In rec.ham-radio, reed@mozart.amd.com (David F. Reed) writes:

>In article <950@jetsun.weitek.COM> johnm@jetsun.weitek.COM (John Mcleod) writes:
>>
>>I have a housing site in the hills which affords the use of hill
>>behind the site which is about 4-500 feet higher, which is also part
>>of my land. I would like to place my antenna at the top of this hill.
>>The horizontal distance is about 200 feet. The problem of course,
>>is connecting the radio to the antenna. Cable sounds too expensive.
>>
>John,
>You probably will find that good cable is far cheaper than a remote base.
>for example, running a RG213 run of 1000', you can probably buy the cable
>in those lengths for 300 to 500 bucks...

Open-wire feedline is lower loss, and is cheaper if you make it yourself.
It would require baluns at each end or tuner.

AL N1AL

From 4026194991812772645
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f8da98b41014799,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 20:17:29 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!julius.cs.uiuc.edu!usc!ucsd!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: HAM license, Beginner
Message-ID: <1250266@hpnmdla.HP.COM>
Date: 8 Nov 90 04:17:29 GMT
References: <549@chiton.ucsd.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 9
Posted: Thu Nov 8 05:17:29 1990

FCC no longer gives tests for the ham licenses. This is now done by
volunteer examiners who are certified by several national Volunteer
Examination Coordinators (ARRL is one.) Best bet is to find a local
ham who can help you out. I bet there is a club at UCSD. If you can't
find it on your own, write ARRL, 225 Main St., Newington, CT 06111
(the national ham radio society), and they can send you the address
of a local ham club.

AL N1AL

From 4372783525110176687
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0b71a23be479e2e,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-11-07 20:21:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!ucsd!ucbvax!ALF.UNOMAHA.EDU!pschleck
From: pschleck@ALF.UNOMAHA.EDU (Paul Schleck)
Newsgroups: rec.ham-radio
Subject: Re: need two....
Message-ID: <9011080421.AA09353@alf.unomaha.edu>
Date: 8 Nov 90 04:21:31 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Lines: 27
Posted: Thu Nov 8 05:21:31 1990

Newsgroups: rec.ham-radio
Subject: Re: need two...
Distribution: usa
References: <11655@hacgate.UUCP>

In <11655@hacgate.UUCP> tony@hacgate.UUCP (Tony Reeves) writes:

>Humm....
>should have said I need three. Anyway, is there anyone on the net located
>in Vermont, Wyoming, or Nevada? I need these three states on 10M for
>WAS award. Yet have not been able to find them. I should be able to hear
>anyone in VT or WY with little trouble. Nevada will be tough. If anyone is
>out there and can help by meeting me on 10M I would really thank you!

>73 Tony N6XQU

Nobody wants Delaware anymore! Could it be that with liberalized
banking laws, Duponts running for President, and no sales tax on ham
gear, that state is no longer a RARE'UN????

Just wondering, back to normal rec.ham-radio.endless-cw-debate BS....

73, Paul, KD3FU

Occasional KD3FU/3 Diamond State Mobile, 3905 CC WAS Net

ps67@umail.umd.edu

From -740923441353077969
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fa6c79567cc81b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 20:25:27 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!usc!ucsd!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Hallicrafters SX-16
Message-ID: <1250267@hpnmdla.HP.COM>
Date: 8 Nov 90 04:25:27 GMT

References: <32700003@hpcuha.cup.hp.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 41
Posted: Thu Nov 8 05:25:27 1990

In rec.ham-radio, jimallen@hpcuha.cup.hp.com (Jim Allen) writes:

>I just got a very nice Hallicrafters
>SX-16. It's complete and probably
>working. It is fairly dirty inside.
>The lettering on the outside is kinda
>brown looking.

>I have a couple of questions for
>you collectors out there.

>1. I'm assuming that the lettering
>   should be white. Am I correct?

Yes, I think so.

>2. What should the finish look like
>   on the inside chassis and the transformers, etc.?

Modern chassis's are made of aluminum, but some antique models use steel or copper-plated steel. These tend to get badly tarnished.

>3. Whats a quick way to clean the metal
>   surfaces inside the cabinet?

The QUICK way is the "total immersion" technique. You remove all the tubes, plastic parts, dial cords, and other breakable items. Then you dunk the whole radio into a tub of warm, soapy water and scrub with a brush until clean. Then you rinse it out VERY thouroughly -- you want to make sure you don't leave any soap residue inside IF transformers, etc. Then you shake out all the water you can and bake it in the oven on lowest heat with the oven door slightly ajar. Leave it in for a long time until you are sure all the water is evaporated from inside all permeable components.

I have done this before with old radios, and it worked like a charm. I have heard that there is danger of washing away the lubrication in the bearings of potentiometers and variable capacitors, but I expect that a radio this old probably doesn't have much lubrication left anyway. There are lubricants you can buy for this purpose if it worrys you.

AL N1AL

From -4336527787737966482
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,560d779f0a96e9a4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 21:22:00 PST

Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!sdd.hp.com!ucsd!ucbvax!OSUCC.BITNET!AGENGCC
From: AGENGCC@OSUCC.BITNET
Newsgroups: rec.ham-radio
Subject: Flames squared
Message-ID: <9011081611.AA29621@ucsd.edu>
Date: 8 Nov 90 05:22:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 45
Posted: Thu Nov 8 06:22:00 1990

If my usage of this news group was being paid for by anything but funny money (money allocated by department for computer use and will be lost if not used) there is no way I would waste it on these flames on flames of flames. I deeply respect the rights of individual free speech and all the bill of rights including the second one. On the Second Amendment I disagree in that I believe gun control can control crime. You simply make every one wear one. The gender pronoun flap is ridiculous on this form. If I wewr to add a few comments about the KKK, ARRL, NAACP, NCAA, Pete Rose, mother and the American flag, Everyone would have a target for their flames..

Since we seem unable to restrain our flames I propose the following FOF (Flaming Old Farts or Flames on Flames) reports ranging from 10 (absolutely for) to -10 (I'll die before I will). Just send the subject line delete the rest of the msg and add your FOF report and call.

FCW   10 I'll fight for cw from the grave.
     -10 if every one who ever used cw disappeared from the face of the earth the world would be a better place.

FSX   10 Women are obviously superior & should be worshiped as divine goddesses.
     -10 Keep 'em pregnant in the summer time and bare foot in the winter.

F38 10 You can have my gun when you pry it from my cold dead hand.
     -10 Rob me, rape me and kill me I wouldn't dream of defending myself.

FOF 10 I agree 100 per cent with your opinion and I nominate you for the FOF hall of flame.
    -10 You are obviously retarded, likely harelipped and your girlfiend probably says baa when she gets a hair cut at the local CB store.

We can then just average the FOF reports and have a numeric consensus of the mood of the group on specific subjects.

Please email me your ideas of FOF reports and I will make a final report of the collection to the news group.

Gordon Couger N5QAQ

```
From 5436706465010029216
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f21aafe2a00935a1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 21:46:47 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Reposted from WX-TALK
Keywords: weather radio atv spineless
Message-ID: <1990Nov8.054647.11819@ux1.cso.uiuc.edu>
Date: 8 Nov 90 05:46:47 GMT
Organization: University of Illinois at Urbana
Lines: 58
Posted: Thu Nov  8 06:46:47 1990
```

This is reposted from WX-TALK, a mailing list run from UIUC.
To subscribe, send LISTSERV commands to listserv@vmd.cso.uiuc.edu.

```
> Newsgroups: uiuc.wx-talk
> Path: ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!WX-TALK@vmd.cso.uiuc.edu
> From: AXVSCCN@uicvmc.bitnet (Chris Novy - WA9V)
> Subject: Ham Radio Installations at Airports
> Message-ID: <9011062251.AA15937@ux1.cso.uiuc.edu>
> Lines:       36
> Sender: list-admin@ux1.cso.uiuc.edu
> Original-To: Wx-talk Newsgroup <wx-talk-ml@ux1.cso.uiuc.edu>
> Reply-To: WX-TALK@vmd.cso.uiuc.edu
> Organization: University of Illinois at Urbana
> Distribution: uiuc
> Date: Tue, 6 Nov 90 16:41:10 CDT
> Approved: uiuc.wx-talk@ux1.cso.uiuc.edu
> Lines: 36
>
> I installed a two-way setup at the NWS office in Paducah, KY (PAH Airport)
> several years ago.  The office there was/is a double-wide trailer located
> 50 feet from the ATC tower.  To install a 30 foot tower and ham rigs
> I had to file for clearance with:
>
>    1) The airport manager - it's his airport even though the FAA and
>       NWS offices were on Federal land.
>
>    2) The Kentucky Airport Zoning Commission - because of the tower.
>
>    3) The FAA Southern Region - to coordinate frequencys, power limits,
>       and to make sure our tower would not block the ATC tower's view.
```

```
>
>    4) The FCC seeking a general approval.  I don't believe there were
>       any special forms  --we just wrote a letter asking permission.
>
> There is an Amateur Television (ATV) radar setup at the Mount Vernon, IL
> airport (MVN) that is not on a tower and runs very low power.  MVN does
> not have a control tower either.  I believe this is why they only needed
> permission from the airport manager.  I'd suggest doing everything by
> the book tho.  You wouldn't want some spurious harmonic interfering with
> navigation aids.  I wanted to do a ATV setup here but several of the
> area hams who are influential with the airport and the University have
> stopped me (at least for now) since they fear they will be blamed for
> causing a plane crash.  With good commercially-built equipment, proper
> authority, and frequent maintenance, I do not see a problem having
> ham equipment permanently set up at an airport.  I just need some way to
> convince some of our local spineless, political, ham-types to see things
> from a different perspective.                               ..Chris..
> *--------------------------------------------------------------------------*
> Chris Novy - WA9V               BITNET: axvsccn@uicvmc
> Southern Illinois Univ.       Internet: axvsccn@uicvmc.aiss.uiuc.edu
> Morris Library - Systems        Packet: wa9v@wd9ebq    FAX: (618) 453-8109
> Carbondale, IL  62901-6632       Phone: (618) 453-1683  or  (618) 457-6149
>                                   ICBM: 37.43N  89.12W
> *--------------------------------------------------------------------------*
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From -2414876859537238149
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3328cb8f55165106
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 21:55:13 PST
Path: gmdzi!unido!mcsun!uunet!midway!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters
Message-ID: <1990Nov8.055513.12756@ux1.cso.uiuc.edu>
Date: 8 Nov 90 05:55:13 GMT
References: <1990Nov5.130815.24804@ux1.cso.uiuc.edu> <5473@crash.cts.com>
<1990Nov8.001409.25295@ux1.cso.uiuc.edu> <4297@lib.tmc.edu>
Organization: University of Illinois at Urbana
Lines: 21
Posted: Thu Nov  8 06:55:13 1990

jmaynard@thesis1.hsch.utexas.edu (Jay Maynard) writes:

>>The control would have to be either AUTOMATIC (which you say is not legal)
>>or would have to be REMOTE, which requires a control link on an AUXILIARY
>>frequency, which does not include any portion of 2 meters.
```

>Minor quibble here: an auxiliary station is only one way of providing remote
>control. I know of at least one open autopatch on 2 meters that ran with two
>phone lines, one for the patch and one for remote control...

If you have remote control, you have a control operator at a control point
(required by 97.109(c)). If the remote control link is by phone line, then
someone has to be there controlling it. This won't work for an unattented
repeater (automatic control) by a user who can't call it up on the phone

Why call the repeater to make an autopatch, just call direct. Or is it
long distance?
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -1413746718231385127
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 23:05:30 PST
Path: gmdzi!unido!mcsun!uunet!salt.acc.com!ucsd!network.ucsd.edu!brent
From: brent@network.ucsd.edu (Brent Jones)
Newsgroups: rec.ham-radio
Subject: Re: No **** license & ** Bashing
Message-ID: <4000@network.ucsd.edu>
Date: 8 Nov 90 07:05:30 GMT
References: <1990Nov7.174742.10452@xanadu.com>
<1990Nov7.193636.6354@swbatl.sbc.com> <58009@unix.cis.pitt.edu>
Organization: Ich geh' kaput. Gehst du mit?
Lines: 9
Posted: Thu Nov 8 08:05:30 1990

In article <58009@unix.cis.pitt.edu> hpb@unix.cis.pitt.edu (Harry P Bloomberg)
writes:
>In article <1990Nov7.193636.6354@swbatl.sbc.com> ken@swbatl.sbc.com (Ken Gianino
5-9081) writes:
>>
>> This is a test. I have figured out how to use the global KILL file.

>   Great! Could you please post it to the net? I'm sure that there's many

You forgot to alter the subject line, so Ken's kill file would have
omitted your posting request...

From 6850933663141876804
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,caa7b09a232bb19
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 00:17:22 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!wuarchive!emory!att!

pacbell.com!tandem!netcom!mojo
From: mojo@netcom.UUCP (Morris Jones)
Newsgroups: rec.ham-radio
Subject: Sweepstakes! (Mojo's back)
Message-ID: <16434@netcom.UUCP>
Date: 8 Nov 90 08:17:22 GMT
References: <691@npdiss1.StPaul.NCR.COM> <35726@nigel.ee.udel.edu>
Organization: Netcom- The Bay Area's Public Access Unix System {408 241-9760 guest}
Lines: 45
Posted: Thu Nov 8 09:17:22 1990

Okay, it's four days later, but I'm still basking in the afterglow. I spent 24 hours working the CW Sweepstakes this weekend, and it felt *good*.

I operated from the West Valley Amateur Radio Assn. club station in the Monte Sereno Red Cross office, using my own call. The equipment was a TS-830S, my ancient AEA CK-1 keyer and bencher paddle, a pair of hi-fi Sony headphones that lost all their foam during the contest, a tribander at 30 feet and a couple of dipoles. Perfect SS station! :)

From Class A, my final tally is 792 QSOs, 76 sections.

Highlights:

Having so many folks say "HI MOJO" and "GUD TO C U ON THE AIR" from people I didn't know (or think I knew)!

Working K1ZZ and W1AW in the first couple of hours.

Spending an hour on the 15 meter novice band running novices steady for 32 QSOs. Hardly a single break! Running 18 wpm on the keyer, and those guys were fun! There were certainly a lot of 2x2 and 2x1 calls among the crowd! It was a fantastic way to spend a slow time on Sunday afternoon.

Being called by WP4IXI during that run to pick up Puerto Rico for my 76th section!

Lowlight:

40 meters was awful from this station! Couldn't be heard worth a darn. Maybe I'll look into the antenna a bit. Any suggestions? Maybe an eastern-pointing sloped dipole?

I'd love to think my 792x76 would be good for a certificate in A class, but I know that the competition in SCV is mighty tough. I'm almost chicken to ask around and find out who beat me. :)

73, Mojo AA4KB
AA4KB @ N6LDL.#NOCAL.CA.USA.NA
mojo@netcom.uucp
netcom!mojo@apple.com

```
--
mojo@netcom.UUCP          Site Coordinating Instructor, San Jose South
Morris "Mojo" Jones       Skilled Motorcycling And Rider Training (S.M.A.R.T.)
Campbell, CA              800-675-5559 ... 800-CC-RIDER
```

From -1968516478326456945
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,662ec33d218db90,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 02:25:47 PST
Path: gmdzi!unido!mcsun!ukc!stl!cel!nbb
From: nbb@cel.co.uk (nick bristow)
Newsgroups: rec.ham-radio
Subject: RF attenuation through PVC
Keywords: PVC attenuation
Message-ID: <6960@sun103.cel.co.uk>
Date: 8 Nov 90 10:25:47 GMT
Organization: Crosfield Ltd., Hemel Hempstead, United Kingdom.
Lines: 24
Posted: Thu Nov 8 11:25:47 1990

I am thinking of building a 5/8 over 5/8 2m colinear. I have all the parts required and am thinking of placing it all in piece of PVC 2 inch diamemter waste water pipe. This will keep it rigid and will produce a nice looking design.

I am not sure however on the RF attenuation produced by the plastic pipe. Would anyone out there mind telling me the attenuation properties of such a pipe and some discussion of the attenuation properties of plastics at all frequencies would be interesting. If no-one has the information to hand could someone please point me in the direction of a book that would.

Thanks in advance.

```
------------------------------------------------------------------------------

           Nick Bristow, (G1LYX) - Crosfield Electronics Ltd -

  Usenet: nbb@cel.co.uk                AX25: G1LYX @ GB7BEN
     Cix: nbristow @ Cix              Telex: 827530 CROSEL G
     FAX: 0442 - 232301               Voice: 0442 - 230000

The views expressed above are not those necessarily of my employer and should
be disregarded as the ramblings of a insane mind.
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From -1128163218463851780
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b673b5b166b4365b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,b673b5b166b4365b,start

X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-11-08 02:28:10 PST
Path: gmdzi!unido!mcsun!ukc!stl!cel!nbb
From: nbb@cel.co.uk (nick bristow)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Atari Amateur Software.
Keywords: Atari ST public domain pd
Message-ID: <6961@sun103.cel.co.uk>
Date: 8 Nov 90 10:28:10 GMT
Organization: Crosfield Ltd., Hemel Hempstead, United Kingdom.
Lines: 22
Xref: gmdzi rec.ham-radio:16663 rec.ham-radio.packet:3019
Posted: Thu Nov 8 11:28:10 1990

I am setting a library of Public Domain Amateur Radio software for the Atari ST range of computers. If you have anything relevant then please mail me. I will supply floppies and postage costs etc for anything worthwhile. I if receive anything from you I will try to send you something interesting in return.

Thanks in advance.

Nick Bristow, (G1LYX) - Crosfield Electronics Ltd -

```
  Usenet: nbb@cel.co.uk                AX25: G1LYX @ GB7BEN
     Cix: nbristow @ Cix              Telex: 827530 CROSEL G
     FAX: 0442 - 232301               Voice: 0442 - 230000
```

The views expressed above are not those necessarily of my employer and should be disregarded as the ramblings of a insane mind.

From 5892617830551827483
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3328cb8f55165106
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 05:20:56 PST
Path: gmdzi!unido!mcsun!uunet!cos!hqda-ai!media!csense!bote
From: bote@csense.uucp (John Boteler)
Newsgroups: rec.ham-radio
Subject: Re: Simplex
Summary: Does anybody remember simplex?
Message-ID: <1990Nov8.132056.2298@csense.uucp>
Date: 8 Nov 90 13:20:56 GMT
References: <27080021@col.hp.com>
Organization: Common Sense Computing, McLean, VA.
Lines: 47

Posted: Thu Nov 8 14:20:56 1990

From article <27080021@col.hp.com>, by bobw@col.hp.com (Bob Witte):

>> luru@stekt.oulu.fi (Ari Husa OH8NUP) writes:
>> What's the point in having a dozen repeaters in a questionable QTH (and limited range) in comparison to ONE good repeater in a high (broadcast) tower or similar?
>
> Capacity. A dozen repeaters with more local coverage may support a dozen short range QSOs while the one wide coverage repeater would occupy the frequency in the entire geographical area while carrying only 1 QSO.
>
> Many areas of US now recognize the need for a mixture of local repeaters and wide area repeaters. Users are encouraged to use the local machines unless they really need the range of the wide area machine.

Too bad the idea of using a repeater is slowly being inculcated into our collective consciousness. Whatever happened to simplex?

I heard an ongoing conversation on a nearby wide-area coverage repeater the other day between a regular long-distance (250 miles) "commuter" and a traveller passing through town. Our commuter type has a history of tying up wide coverage repeaters for literally hours at a time, so it came as no suprise that I was listening to yet another instance of it.

Here, he was separated from the other station with whom he was conversing by ONE CAR on the highway. They were 20 feet apart and talking through a clear channel repeater over 20 MILES away!

When he asked what the frequency of the next repeater down the line would be, I jumped in and sarcastically added "146.52".

He matter-of-factly requested "What's the offset?".

I just reached down and turned the radio off in disgust.

> --
> Bob Witte   HP Colorado Springs Division...
> "There is no such thing as ground."
> --

"There is no such thing as ground, except at that one point" - W4NUA

--
John Boteler   bote@csense   {uunet | ka3ovk}!media!csense!bote
SkinnyDipper's Hotline: 703 241 BARE | VOICE only, Touch-Tone(TM) signalling

From -7317840514019951614
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,ac4d8fb542de7755
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 07:48:26 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!usc!apple!sun-barr!newstop!sun!amdcad!mozart.amd.com!reed
From: reed@mozart.amd.com (David F. Reed)
Newsgroups: rec.ham-radio
Subject: Re: Repeater antennas (Diamond?)
Message-ID: <1990Nov8.154826.4233@mozart.amd.com>
Date: 8 Nov 90 15:48:26 GMT
References: <32491@netnews.upenn.edu>
Organization: Advanced Micro Devices, Inc.
Lines: 51
Posted: Thu Nov 8 16:48:26 1990

In article <32491@netnews.upenn.edu> depolo@eniac.seas.upenn.edu (Jeff DePolo) writes:

>
>Has anyone had any experiences, good or bad, with Diamond antennas for
>repeater use? The repeater is on 440, and from what I can tell in
>the Diamond catalog, the only 440 antennas they make are actually
>dual band (2 and 440), but seem to have excellent specs considering
>the cost when compared to other commercial antennas.
>....

Jeff, on my repeater, I have tried two of them and a dB products...

the HD500M (?) had 8 5/8 wave in phase, and had about the same gain as the dB products antenna...
I now use a X700M (?) which has 11 elements, 5/8 wave each on 440 MHz, and it seems to be the superior one (costs about twice as much, etc.)

two complaints about them which the dB products doesn't have...
1) they use UHF connectors; I prefer N types at that frequency...
2) being non- rigid, many users experience fading as it "whips in the wind" altering the radiation pattern compression.

the average user accessing my repeater prefers the dB products...
so why am I using the others? Wind loading... in a 60mph +++ blast we had this summer, it loaded my 2", 1/4" wall mast enough to bend it!!! this caused some tower work to replace the mast, and I figured the "flexing" of the fiberglass was better than replacing masts... thoughif I had replaced it with a thicker wall, or a steel mast, it would have been fine I suspect.

If I had a taller tower, and could side-mount the db-products one, I would have done it.

You mention cost... well, a 8 element db products does cost more new than the diamonds, but.... I have to admit, I paid about 100 buck more for the x700m than I did a perfectly good used dB products job...

So, I recommend looking at whether you NEED flexing, less wind load, and then choos accordinly, not overlooking the possibility of a good used dB products

antenna... many police departments, etc. are replacing their old external
phasing harness ones with the new fiberglass jobs, and they can be had very
reasonably, and are EXCELLENT.

Antennas and coax are the worst place to skimp on in a repeater installation
(mayby not so humble opinion).
good luck

--

"...just my opinion, not speaking for AMD." KK5D / 7J1AGO etc.
David F. Reed   4512 Clarno   Austin TX 78749
packet: KK5D@KB5PM   driving by? try 442.150 repeater

From 272913867077433590
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,caa7b09a232bb19
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,cc868cf1173b9587
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,cc868cf1173b9587
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,cc868cf1173b9587
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-11-08 08:11:25 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rice!uupsi!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: Hams,Public service/mods to radios for 11 meters
Message-ID: <42093@cci632.UUCP>
Date: 8 Nov 90 16:11:25 GMT
References: <306.27359C32@w8grt.fidonet.org> <21057@ttidca.TTI.COM> <15565@venera.isi.edu>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 15
Xref: gmdzi rec.radio.shortwave:2644 rec.ham-radio.swap:763 rec.ham-radio.packet:3018 rec.ham-radio:16658
Posted: Thu Nov 8 17:11:25 1990

In article <15565@venera.isi.edu> onder@ISI.EDU (Bruce Onder) writes:
>This may be a dumb question, but is there any reason to modify a CB to
>use FM?

This might be a dumb response, too (I'm not exactly sure what you mean),
but 10 meter FM is a whole lot of fun, especially through repeaters ... it's
a whole different type of QRM and QRN that, to many people's ears, is just
as much fun but without the "SSB Headache" I get after a few hours of
over-used speech processing and tin voices.

I wonder if any of these FM radios allow you to work "splits" for repeaters. I have heard many stories about eliminating the "skip zone" by using repeaters - sounds like fun!

Chris/WZ2B

From 3183409074673583017
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,41537301ed378939,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 08:16:44 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!rice!uupsi!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: 15 meter monobanders
Message-ID: <42094@cci632.UUCP>
Date: 8 Nov 90 16:16:44 GMT
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: Computer Consoles Inc. an STC company, Rochester, NY
Lines: 12
Posted: Thu Nov 8 17:16:44 1990

15 meters is my favorite HF band. (I reserve the right to change my mind about this depending on propagation from month to month :-)).

Why isn't there the equivilent of a 2510 for 15 meters? Or, is there one that I don't know about? Seems to me it wouldn't be that much harder to build than the 10m one, and you could leave off the FM portion and just leave CW, USE, and LSB (packet)

Anybody know anything about NCG attempting this back in the early 80's?

Chris/WZ2B

From 4981083705391453874
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 08:42:44 PST
Path: gmdzi!unido!mcsun!uunet!sbi!zeus!newt!jl
From: jl@newt.sbi.com (Jean-Louis Ecochard)
Newsgroups: rec.ham-radio
Subject: Re: No code license
Summary: An opinion from the non-ham side
Message-ID: <368@chi.newt.sbi.com>
Date: 8 Nov 90 16:42:44 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp> <7880341@hpfcdc.HP.COM>
Organization: Network Research Group, NY
Lines: 37
Posted: Thu Nov 8 17:42:44 1990

In article <7880341@hpfcdc.HP.COM> ajs@hpfcdc.HP.COM (Alan Silverstein) writes:

```
>It seems to me (based on my experience) that if a code requirement keeps
>even ONE otherwise qualified person from becoming a ham, it is a
 ^^^^^^^^
```

I am ONE (at least I was the last time I checked :-) and the code requirement is keeping me from becoming a ham. I'd love to become a ham, I can answer the theorie questions up to Advanced without having to memorize the answers, I used to operate modified ham equipment on the CB band in France, back when provincial French CB was populated with reponsible/technical people, when CBers where invited at the local ham club meetings, etc.. (I am retricting this comment to the small area of France where I lived in at the time. I stopped using CB when it got spoiled by frustrated people) So I think I can be a "qualified person".

I have little time for my hobbies and therefore I am very carefull and selective about what I spend my time on. I do not find any use for CW right now, nor do I have time to learn it (even 5WPM) to get a novice license. However, if I had a no-code license I could someday be interested in CW and learn it "on-line" with friends on the bands and with a meaningfull purpose: TO COMMUNICATE.

I speak 8 languages and always found it easier to learn them while in a communication situation. I did not speak Japanese before going to Japan, after one month, I was getting by (more than 5WPM ;-). I had tried to learn Japanese prior to this experience with no success, because I was not motivated by a COMMUNICATION need. Of course if knowing Japanese was required to enter Japan, I might have never been to Japan, I might have never learned Japanese. A great loss to my Japanese clients.

I felt that I had to add the this already too long thread (count there a vote in favor of rec.ham-radio.tech) because I did not see any comment from the non-ham side, people who would like to become hams but are kept from it because of the code requirement. Sorry if you feel this is a waste of bandwith.

```
--
Jean-Louis Ecochard                 O
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~./_\.~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
                                 (__Y__)                uunet!sbi!chi!jl
```

From 3508651155762373527
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac4d8fb542de7755
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 10:56:12 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rice!uw-beaver!ubc-cs!news-server.csri.toronto.edu!utgpu!cunews!bnrgate!bwdls61.bnr.ca!bwdlh131!mleech
From: mleech@bwdlh131.bnr.ca (Marcus Leech)
Newsgroups: rec.ham-radio
Subject: Re: Repeater antennas (Diamond?)
Message-ID: <1990Nov8.185612.1815@bwdls61.bnr.ca>
Date: 8 Nov 90 18:56:12 GMT
References: <32491@netnews.upenn.edu> <1990Nov8.154826.4233@mozart.amd.com>

Sender: usenet@bwdls61.bnr.ca (Use Net)
Reply-To: mleech@bwdlh131.bnr.ca (Marcus Leech)
Organization: Bell-Northern Research, Ottawa, ON, CANADA
Lines: 23
Posted: Thu Nov 8 19:56:12 1990

The experience we've had with the DIAMOND 2M/70CM antenna has been somewhat mixed. Some good, some bad. From an RF point of view this beast is a great antenna--we haven't seen the fading you describe--even in the worst winds.

We had had a *serious* problem with the mechanical arrangements on the thing the *entire* antenna is supported by this 8cm long casting which slides into the aluminum mast mount. The problem is that there's only 1 bolt that attaches the mast-mount to the casting. In even moderate winds, the stress on this 1 bolt is enourmous, with the result that the aluminum mast mount gets chewed to bits. This causes some intermittent RF problems, because the N connector is "grounded" to the casting with the assitance of this single bolt. We're re-drilling the cast with two more holes, tapping them and using another pair of bolts to try to reduce the stress on the mounting system.

COMET makes an antenna similar in electrical characteristics to the DIAMOND. We haven't actually put it up yet, but it seems to have a far superior mounting arrangement.

```
-----------------
Marcus Leech, 4Y11            Bell-Northern Research  |opinions expressed
mleech@bnr.ca                 P.O. Box 3511, Stn. C   |are my own, and not
VE3MDL@VE3JF.ON.CAN.NA        Ottawa, ON, CANADA      |necessarily BNRs
```

From 960910227078320419
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f1c3d7d4b9d7b684,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 10:59:31 PST
Path: gmdzi!unido!mcsun!uunet!sbi!zeus!newt!jl
From: jl@newt.sbi.com (Jean-Louis Ecochard)
Newsgroups: rec.ham-radio
Subject: Information on European 10M rig
Keywords: BELCOM
Message-ID: <369@chi.newt.sbi.com>
Date: 8 Nov 90 18:59:31 GMT
Organization: Systems Integration - Salomon Brothers, NY
Lines: 16
Posted: Thu Nov 8 19:59:31 1990

I am looking for any information (i.e. schematics, manufacturer address, mods, etc...) for a BELCOM LS102. I think this equipment was build in europe. It is a mobile 10M tranceiver AM,FM,USB,CW with 10W output. The local ham shops have never heard of it.

The equipment has been modified to operate on additional frequencies, however, when doing so they removed the CW key input, and did other weird things to it. I need to tune the transmitter (with a dummy load as I don't have a license) and use it as a receiver untill I get a license that allows me to use it in transmit mode.

Anyone with information should e-mail directly.
Thanks.
--

```
Jean-Louis Ecochard                  O
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~./_\.~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
                                  (__Y__)                  uunet!sbi!chi!jl
```

From -8348647501434510085
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,33ab82f2dcee7dc1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 12:01:11 PST
Path: gmdzi!unido!mcsun!uunet!abvax!iccgcc!macmillan
From: macmillan@iccgcc.decnet.ab.com
Newsgroups: rec.ham-radio
Subject: NEED ENGINEERING DRAWING: Wilson Tower. /PRBWON FIGHT
Message-ID: <1907.27397337@iccgcc.decnet.ab.com>
Date: 8 Nov 90 20:01:11 GMT
Lines: 17
Posted: Thu Nov 8 21:01:11 1990

ENGINEERING ASSISTANCE NEEDED:

I am trying to get an engineering drawing for a telescoping tubular
tower manufactured by the now defunct Wilson Systems Inc.
formerly of LasVegas Nevada.

I understand that this was sold to "TRISTAO"something....
but info on them is scarce.

Any ideas? The city is giving me lots of grief on stamped drawings
(in addition to other things) and a drwaing would be alot easier than
sawing off a sample of each tube and paying for metalurgical studies.

TNX de WA8ZHN / PRBWON: still fighting.
QTH (216) 333-2235

From -7705887237348379080
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8545d3eff0750a1a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 12:16:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com

Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9011082016.AA00746@tilde>
Date: 8 Nov 90 20:16:57 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 70
Posted: Thu Nov 8 21:16:57 1990

Bob West asked for a definition of tomorrows amateur radio operator. Here's my 2-cents' worth:

Amateur radio will continue to be a RADIO hobby. It will welcome all individuals who have enough interest in radio to learn about it. It is broad enough to accommodate many interests; from CW to spread-spectrum; from 1.8 kHz to 180 Ghz. Amateur radio should not evolve into a group of special-interest factions, each with its own agenda. Instead, it must accept the many broad interests as equal in stature with the rest.

The individual amateur should be knowledgeable about amateur radio, and that means its beginnings as well as its present. Testing will continue to cover all modes and privileges that the amateur radio operator will receive with the granting of his license. There should be but two classes of license: the entry level, and the full-privilege license. Entry level Hams will have a basic knowledge of the hobby and its history; know what the band limits, power restrictions and operating rules and practices are; understand simple electronics principles and electrical safety; and be able to copy the Morse code at 5 WPM. Entry-level licensees will be able to operate any mode that the technical requirements of the exams (TBD) cover, and on any band, with power restricted to 200 watts RF at the transmitter antenna terminal.

The full-privilege class exam will be similar to the old FCC second-class with radar endorsement in complexity, with added provisions for the current modes of operation and state of experimentation. The holder of this license will know something about every aspect of amateur radio. This class of license will also require copying 5 WPM of Morse code. Power limits will be extended to 1.5KW, and an additional segment of each band will be reserved for the full-privilege holders.

An entirely new hobby class should be recognized by the FCC: that of the computer hobbyist whose only tie to radio is to use it as a substitute for wire links between computers. Rules and requirements for this service should be developed by the computer hobbyists, not radio enthusiasts.
A portion of each band above 30 Mhz would be set aside for this hobby.
The new service would appeal to those who either won't or can't meet the license requirements of amateur radio, but who may be able to contribute to the science of communication in some other way. Current holders of Ham licenses would be required to meet the new license requirements, and vice-versa, if they desired to operate in the other bands would nee(service).
Under this concept, a person would need a separate license for each service if they intended to operate in both.

Equipment used would have to meet a TBD set of acceptance standards issued by the FCC if its purpose is to emit RF energy, and the output power is greater than 50 watts. At 50 watts and under, no type-acceptance would be required, but the user would be responsible for certain technical aspects of the emissions.

I realize that the new hobby class is not amateur radio, but I do think that there should be provisions for this variation of the radio hobby. It would be up to the present computer hobbyists to organize themselves into a national charter, similar perhaps to the ARRL, to define itself and liaison with the FCC to get it in place.

There is room for data-stream transmission in amateur radio, just as there is room for SSB, AM, FM, CW, etc. Practitioners who desire the privileges of a radio hobby should be willing to meet its requirements, regardless of how they plan to communicate. Under the new service, there presumably would be room for FMers and CWers, provided that they were willing to conform to the rules and requirements of that service.

Amateur radio enthusiasts will continue to provide emergency communications on their assigned bands while operating as Hams. They will continue to pursue contesting. They will continue to perform community service functions as before, and they will ALWAYS be ready to help the new, inexperienced person to get into the hobby, and to increase his/her skills once in.

73,
Dube Todd   N5PDK

```
From 1125347163319667575
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c52761ac25cb73de,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 12:21:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!husc6!
genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: RE: Flames on Flames
Message-ID: <39524@genrad.UUCP>
Date: 8 Nov 90 20:21:17 GMT
Sender: news@genrad.UUCP
Lines: 50
Posted: Thu Nov  8 21:21:17 1990
```

This is posted for a friend. I do not claim to agree with my Elmer, or even claim to know what this is all about, since I have not yet received the article which this is in response to.

Diana

```
From mit-eddie!GANDALF.LL.MIT.EDU!tcs Thu Nov  8 14:55:27 1990
Return-Path: <mit-eddie!GANDALF.LL.MIT.EDU!tcs>
Date: Thu, 8 Nov 90 14:37:05 EST
```

From: mit-eddie!GANDALF.LL.MIT.EDU!tcs (Tom Sefranek)
Posted-Date: Thu, 8 Nov 90 14:37:05 EST
To: dls@genrad.com

Hi Diana;
I need a favor, I'm unable to post. Can you send this following
to the usenet.

KC1SP de WA1RHP

===== snip snip snip ==
Hi Gordon;
I enjoyed your posting, understand your drift. But you missed some
vital issues...

Fly 10 With my HAM ticket as authority, I run my TS-440S coupled into the
frame of the aircraft, and to he(ck) with what the pilot or stew thinks!
-10 I wouldn't dream of re-programming my LCD watch while in flight.

Fpz 10 The new interpretations mean I can order Pizza, a six pack, a social
encounter partner, and motel reservations on the repeater auto-patch.
-10 I never use the auto-patch, for fear of the FCC listening.

Ftw 10 With PRB in hand, I can build a tower to just within grazing height of
the OSCARs.
-10 I don't even know what radio is... when my neighbor has fuzzies on TV.

F22 10 The FCC works JUST to protect my hobby, I DESERVE all of the freqs.
-10 I'd be satisfied with whatever freqs. are left after all other users
have picked over what they think they NEED.

SUPER SMILEY FACE!!!

73
Tom
WA1RHP

```
->Diana L. Syriac       dls@genrad.com          Ham: KC1SP (Sweet Pea)      <-
->I'D RATHER BE FLYING! P-ASEL, INST       CAP: 1LT, Freedom 690 Mobile<-
->GenRad                        AD ASTRA, PER ASPERA       <-
->MS/6, 300 Baker Ave, Concord, Mass.  01742   (508) 369-4400 x2459        <-
```

From 6626846462567729114
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,caa7b09a232bb19
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 12:27:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!know!tegra!vail
From: vail@tegra.COM (Johnathan Vail)
Newsgroups: rec.ham-radio
Subject: 10M FM (Was: Hams,Public service/mods to radios for 11 meters)
Message-ID: <1710@atlas.tegra.COM>

Date: 8 Nov 90 20:27:39 GMT
References: <306.27359C32@w8grt.fidonet.org> <21057@ttidca.TTI.COM>
<15565@venera.isi.edu> <42093@cci632.UUCP>
Organization: Tegra-Varityper, Inc., Billerica, MA
Lines: 33
Posted: Thu Nov 8 21:27:39 1990
In-reply-to: cep@cci632.UUCP's message of 8 Nov 90 16:11:25 GMT

In article <42093@cci632.UUCP> cep@cci632.UUCP (co-op) writes:

> In article <15565@venera.isi.edu> onder@ISI.EDU (Bruce Onder) writes:
> >This may be a dumb question, but is there any reason to modify a CB to
> >use FM?
>
> This might be a dumb response, too (I'm not exactly sure what you mean),
> but 10 meter FM is a whole lot of fun, especially through repeaters ... it's
> a whole different type of QRM and QRN that, to many people's ears, is just
> as much fun but without the "SSB Headache" I get after a few hours of
> over-used speech processing and tin voices.

Being a lowly tech I haven't worked 10 FM directly but the Worldnet repeater system here has a 10 meter node. Through 440 I have worked many countries and most states either mobil or with an HT.

I want to throw in a plug for the use of PL (CTCSS). There is an ARRL plan for 10 meter PLs based on the reqion where the repeater is located. This would reduce significantly the amount of QRM caused by bringing up 3 or 4 repeaters in different parts of the world and would allow much better QSOs.

jv <-- trying to learn the morris code again

"Somebody needs to do something--it's just incredibly pathetic that
       it has to be *us*." -- Jerry Garcia

```
 -----
|     | Johnathan Vail | n1dxg@tegra.com
|Tegra| (508) 663-7435 | N1DXG@448.625-(WorldNet)
 -----  jv@n1dxg.ampr.org {...sun!sunne ..uunet}!tegra!vail
```

From -6004516092203965058
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6cd28f64ea1e4a2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,c6cd28f64ea1e4a2
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-11-08 12:38:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
swbatl!synoptics!jkaidor
From: jkaidor@synoptics.COM (Jerome Kaidor)

Newsgroups: rec.ham-radio.packet,rec.ham-radio
Subject: Re: Questions, questions, questions
Message-ID: <22071@mvis1.com>
Date: 8 Nov 90 20:38:27 GMT
References: <310.273701E0@w8grt.fidonet.org>
Followup-To: rec.ham-radio.packet
Organization: SynOptics Communications Inc. Mountain View, Ca.
Lines: 27
Xref: gmdzi rec.ham-radio.packet:3020 rec.ham-radio:16666
Posted: Thu Nov 8 21:38:27 1990

In article <310.273701E0@w8grt.fidonet.org> root@w8grt.fidonet.org (Jim Grubs) writes:
>I wish to ask a fundamental question. Why are there so many questions on this
>newsgroup (and the Fidonet HAM and PACKET echoes) on "How do I plug in the
>power cord?" or "Why isn't the documentation more specific on whether the
>machine screws tighten clockwise or counter clockwise?"
>
>When I was a baby ham, almost the only documentation was the circuit diagram.
>We studied that. Maybe poked around "The Handbook", and then tried it. If it
>smoked, plunged the whole block into darkness, or made the cat's tail stand up
>straight, we knew we were headed in the wrong direction. If some Old Fart
>said, "There's a lid tuning up on the frequency", we knew it was "getting
>out".

Me too! I also remember the "negative reinforcement" method of radio education... Like the time I left the 600V power supply open on the floor of my room, came back from supper (the lights were off), and _STEPPED_ on the thing in my bare feet! OUCH!

Then there was the time that I learned that with a full-wave center-tapped rectifier circuit, the ENTIRE PEAK VO
LTAGE of the transformer is across each diode, every half cycle. In this case it was a 1000V, 1/2 amp supply for my four-sweep-tubes-in-an-arc5 linear.... One of the diode stacks shorted out, and every light in the house blinked at a 60Hz rate. Nice effect, until the house fuse blew....

- Jerry Kaidor, KF6VB

From -8144202207315157288
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3dae3a11db364e99
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,3dae3a11db364e99
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,3dae3a11db364e99
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,3dae3a11db364e99
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-11-08 12:55:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!

munnari.oz.au!comp.vuw.ac.nz!cc-server4.massey.ac.nz!G.Moretti
From: G.Moretti@massey.ac.nz (Giovanni Moretti)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: Rules of the MW_RF conference
Message-ID: <1990Nov8.205510.16537@massey.ac.nz>
Date: 8 Nov 90 20:55:10 GMT
References: <316.273740FF@w8grt.fidonet.org>
Organization: Massey University, Palmerston North, New Zealand
Lines: 22
Xref: gmdzi rec.radio.shortwave:2646 rec.ham-radio.swap:767 rec.ham-radio.packet:3021 rec.ham-radio:16669
Posted: Thu Nov 8 21:55:10 1990
X-Reader: NETNEWS/PC Version 2.2

>>> Re "Microwave and RF Forum as a mailing list/newsgroup

I'd really appreciate it if this were possible. I tried to send some mail to (I think) Jim Grubbs on Fidonet but it was bounced (even using the REPLY command from the Usenet reader :-).

From New Zealand, Fidonet access via phone (I'm guessing - we don't have it here) would be cripplingly expensive - like a choice between reading the group and eating :-), whereas Usenet and Internet mail are already available.

To Summarize: One (informal) "Yes" vote for either a mailing list/newsgroup.

Cheers
Giovanni - ZL2BOI

```
--
------------------------------------------------------------------------------
Giovanni Moretti, Consultant       | G.Moretti@massey.ac.nz, Pkt-ZL2BOI@ZL2BFJ
Computer Centre,  Massey University| Ph 64 63 69099 x8398, FAX 64 63 505607
Palmerston North, New Zealand      | QUITTERS NEVER WIN, WINNERS NEVER QUIT
------------------------------------------------------------------------------
```

From 3125888237899371398
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fa6c79567cc81b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 13:01:40 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!swbatl!synoptics!jkaidor
From: jkaidor@synoptics.COM (Jerome Kaidor)
Newsgroups: rec.ham-radio
Subject: Re: Hallicrafters SX-16
Message-ID: <22072@mvis1.com>
Date: 8 Nov 90 21:01:40 GMT
References: <32700003@hpcuha.cup.hp.com> <1250267@hpnmdla.HP.COM>
Organization: SynOptics Communications Inc. Mountain View, Ca.

Lines: 36
Posted: Thu Nov 8 22:01:40 1990

In article <1250267@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>
>Modern chassis's are made of aluminum, but some antique models use steel
>or copper-plated steel. These tend to get badly tarnished.

There are still plenty of chassis made of steel, which is cheaper than aluminum, and gives a better ground. Aluminum reacts with the screws and ground lugs, forming a white dielectric film.

>
>>3. Whats a quick way to clean the metal
>>   surfaces inside the cabinet?
>
>The QUICK way is the "total immersion" technique. You remove all the tubes,
>plastic parts, dial cords, and other breakable items. Then you dunk the
>whole radio into a tub of warm, soapy water and scrub with a brush until
>clean. Then you rinse it out VERY thouroughly -- you want to make sure you
>don't leave any soap residue inside IF transformers, etc. Then you shake
>out all the water you can and bake it in the oven on lowest heat with the
>oven door slightly ajar. Leave it in for a long time until you are sure
>all the water is evaporated from inside all permeable components.
>

I have used this technique... with really old and gungy radios it's really the only way. But I did it without soap, so there was no residue to worry about. Just take'er out front and have at'er with the garden hose and a toothbrush....

Then, instead of sticking the poor baby in an oven, I take a ventilation fan, the kind you put on the floor on a hot day, point it straight up, and set the radio on top of it. I then leave the radio drying for about a day. This won't work if you have a power transformer in there, especially a high-voltage one, as I found out one day, when I fried a perfectly good DX-40 transmitter. I should have used the oven on that one. But with the oven, you have to be quite careful, not to generate enough heat to melt any plastic dials, etc....

- Jerry Kaidor, KF6VB

From -2646199267997159715
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fa6c79567cc81b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 13:05:37 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!udel!haven!decuac!bacchus.pa.dec.com!news.crl.dec.com!halbert
From: halbert@crl.dec.com (Dan Halbert)
Newsgroups: rec.ham-radio
Subject: Re: Hallicrafters SX-16
Message-ID: <1990Nov8.210537.673@crl.dec.com>
Date: 8 Nov 90 21:05:37 GMT

```
References: <32700003@hpcuha.cup.hp.com> <1250267@hpnmdla.HP.COM>
Sender: news@crl.dec.com (USENET News System)
Reply-To: halbert@crl.dec.com
Organization: DEC Cambridge Research Lab
Lines: 8
Posted: Thu Nov  8 22:05:37 1990

>The QUICK way is the "total immersion" technique.  You remove all the tubes,
>plastic parts, dial cords, and other breakable items.  Then you dunk the
>whole radio into a tub of warm, soapy water and scrub with a brush until
>clean...

One ham I know regularly uses his dishwasher for this purpose, instead of
scrubbing by hand. It works very well, he says.

--Dan, KB1RT


From 4288829178966945891
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2631dd02572e2d70
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 13:18:14 PST
Path: gmdzi!unido!mcsun!uunet!ncrlnk!ncrstp!npdiss1!chuck
From: chuck@npdiss1.StPaul.NCR.COM
Newsgroups: rec.ham-radio
Subject: Re: Genderless pronoun: na
Message-ID: <702@npdiss1.StPaul.NCR.COM>
Date: 8 Nov 90 21:18:14 GMT
Reply-To: chuck@npdiss1.StPaul.NCR.COM (Charles Rissmeyer)
Organization: StPaul
Lines: 10
Posted: Thu Nov  8 22:18:14 1990

In article <Dim9R4w163w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
>techpubs@PRC.Unisys.COM (Technical Pub. Vince Short) writes:
>
>> >No, sorry, the only
>> >acceptable form is:
>> >     Everyone should get his ham radio license.
>>
>>      Everyone should get her ham radio license.

How 'bout: Everyone should get thine ham radio license.


From 4304681731263677855
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3c1aec335a375729,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 13:28:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!
network.ucsd.edu!dcdwest!plb
```

From: plb@dcdwest.uucp (Phil Blais)
Newsgroups: rec.ham-radio
Subject: sdsddssssd
Message-ID: <1990Nov8.212822.11055@dcdwest.uucp>
Date: 8 Nov 90 21:28:22 GMT
Organization: ITT Defense Communications Division - West
Lines: 6
Posted: Thu Nov 8 22:28:22 1990

this is a test.

```
--
phil blais  N6KXD (ex WD6ETL)    ITT    Aerospace Communications Division
dcdwest!plb@ucsd.edu           DEFENSE    10060 Carroll Canyon Road
ucbvax!ucsd!dcdwest!plb                      San Diego, CA 92131
```

From -4844819069564890724
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b4387f31195990d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 13:36:28 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: re Code & Other requirements
Message-ID: <7880349@hpfcdc.HP.COM>
Date: 8 Nov 90 21:36:28 GMT
References: <9010231256.AA05779@lonex4.radc.af.mil>
Organization: HP Fort Collins, Co.
Lines: 6
Posted: Thu Nov 8 22:36:28 1990

>Or more precisely,
>I don't know Morse code well enough to make any practical use of it.

Next time I hear you on the 115 repeater, I'll send some code. :-)

Perry

From -6759426022809334584
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 13:44:14 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <7880350@hpfcdc.HP.COM>
Date: 8 Nov 90 21:44:14 GMT

References: <1990Oct24.170127.2103@dcdwest.uucp>
Organization: HP Fort Collins, Co.
Lines: 19
Posted: Thu Nov 8 22:44:14 1990

>PuhLEEEZE. I'm over here, a mere Technician, but working on integrating
>TCP/IP into the local packet network to improve packet for everyone including
>straight AX.25 users, and on getting young blood into the hobby, and you call
>me selfish and arrogant for wanting to remove an antiquated communication mode
>from the entry requirements. Of course, my efforts don't count because I
>don't do it all in CW at 35wpm, so I'm not a "real" ham, just a glorified
>CB'er. (heavy sarcasm off)
>
>++Brandon

If anyone on this net really said this crap, there would be the universal sound of raspberries from all corners. Either you misunderstood, or I missed something.

TCP/IP on 220 is a noble persuit, and you only had to endure 5 WPM of an antiquated modulation method to be able to do it. I could be only more impressed if a Novice was doing it. Go forth and be brilliant.

Perry / KF0CA

From -5901056537526408186
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a9f90122afb0d93,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 09:55:04 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!ucsd!ucbvax!ulysses!wmb
From: wmb@ulysses.att.com (W M Brelsford)
Newsgroups: rec.ham-radio
Subject: DXCC Country List
Keywords: ARRL DXCC
Message-ID: <13984@ulysses.att.com>
Date: 5 Nov 90 17:55:04 GMT
Organization: AT&T, Basking Ridge NJ
Lines: 404
Posted: Mon Nov 5 18:55:04 1990

The current ARRL DXCC country list follows. Changes from the previous posting (3/90) include the deletion of Y2, 4W and 7O, the addition of the new 7O, and other minor modifications.

Much of the information was provided by Ron McConnell, W2IOL.

The colon-separated fields are:

1. primary amateur prefix ("*" suffix for deleted countries)
2. country name
3. continent

4. ITU zone(s)
5. CQ zone(s)
6. time zone (hours from UTC)
7. latitude
8. longitude
9. ITU prefix allocation(s)
10. other amateur prefixes

Please mail corrections and suggestions to me.

Bill Brelsford, K2DI
AT&T, Basking Ridge NJ
Uucp: att!joplin!wmb
Internet: wmb@joplin.att.com
Bitnet: wmb%joplin@att.arpa

```
A1:Abu Ail, Jabal at Tair:As:39:21:+2:14N:43E:A1~:J2/A
A2:Botswana:Af:57:38:+2:25S:26E:A2,8O:
A3:Tonga:Oc:62:32:+13:21S:175W:A3:
A4:Oman:As:39:21:+4:24N:59E:A4:
A5:Bhutan:As:41:22:+5.5:27N:90E:A5:
A6:United Arab Emirates:As:39:21:+4:24N:54E:A6:
A7:Qatar:As:39:21:+4:25N:52E:A7:
A9:Bahrain:As:39:21:+4:26N:51E:A9:
AC3*:Sikkim:As:41:22:+5.5:27N:89E::
AC4*:Tibet:As:41:23:+6:30N:92E::
AP:Pakistan:As:41:21:+5:34N:73E:AP-AS,6P-6S:
BV:Taiwan:As:44:24:+8:25N:122E::
BY:China:As:33,42,43,44:23,24:+8:40N:116E:BA-BZ,XS,3H-3U:
C2:Nauru:Oc:65:31:+11.5:0S:167E:C2:
C3:Andorra:Eu:27:14:+1:43N:2E:C3:
C5:The Gambia:Af:46:35:+0:13N:17W:C5:
C6:Bahamas:NA:11:08:-5:25N:77W:C6:
C9:Mozambique:Af:53:37:+2:26S:33E:C8-C9:
C9*:Manchuria:As:33:24:+8.5:46N:127E::
CE:Chile:SA:14,16:12:-4:33S:71W:CA-CE,XQ-XR,3G:
CE9:Antarctica:An:67,69,70,71,72,73,74:12,13,29,30,32,38,39:+0:90S:0W::AT0,DP0,FT_
Y,KC4,LU_Z,OR4,VK0,VP8,Y8,ZL5,ZS7,ZX0,3Y,4K1,8J1
CE0A:Easter Is:SA:63:12:-7:27S:109W::
CE0X:San Felix:SA:14:12:-5:26S:80W::
CE0Z:Juan Fernandez:SA:14:12:-4:34S:79W::
CN:Morocco:Af:37:33:+0:34N:7W:CN,5C-5G:
CN2*:Tangier:Af:37:33:+0:36N:8W::
CO:Cuba:NA:11:08:-5:23N:82W:CL,CM,CO,T4:
CP:Bolivia:SA:12,14:10:-4:17S:68W:CP:
CR8*:Damao, Diu:As:41:22:+5.5:21N:71E::
CR8*:Goa:As:41:22:+5.5:16N:74E::
CR8*:Portuguese Timor:Oc:54:28:+8:9S:126E::
CT:Portugal:Eu:37:14:+1:39N:9W:CQ-CU,XX:
CT3:Madeira Is:Af:36:33:-1:33N:17W::
CU:Azores:Eu:36:14:-1:38N:26W::CT2
CX:Uruguay:SA:14:13:-3:35S:56W:CV-CX:
```

```
CY9:St Paul Is:NA:09:05:-5:47N:60W::
CY0:Sable Is:NA:09:05:-5:44N:60W::
D2:Angola:Af:52:36:+1:9S:13E:D2-D3:
D4:Cape Verde:Af:46:35:-2:15N:23W:D4:
D6:Comoros:Af:53:39:+3:12S:43E:D6:
DL:Germany:Eu:28:14:+1:52N:7E:DA-DR,Y2-Y9:
DL*:Germany:Eu:28:14:+1:52N:7E::DA-DM
DU:Philippines:Oc:50:27:+8:15N:121E:DU-DZ,4D-4I:
EA:Spain:Eu:37:14:+1:40N:4W:AM-AO,EA-EH:
EA6:Balearic Is:Eu:37:14:+1:38N:3E::
EA8:Canary Is:Af:36:33:+0:28N:15W::
EA9:Ceuta & Melilla:Af:37:33:+1:36N:5W::
EA9*:Ifni:Af:37:33:+0:29N:10W::
EI:Ireland:Eu:27:14:+0:53N:6W:EI-EJ:
EL:Liberia:Af:46:35:-0.75:6N:11W:A8,D5,EL,5L-5M,6Z:
EP:Iran:As:40:21:+3.5:36N:51E:EP-EQ,9B-9D:
ES:Estonia:Eu:29:15:+3:59N:25E::UR
ET:Ethiopia:Af:48:37:+3:9N:39E:ET,9E-9F:
ET2*:Eritrea:Af:48:37:+3:15N:39E::
F:France:Eu:27:14:+1:49N:2E:FA-FZ,HW-HY,TH,TK,TM,TO-TQ,TV-TX:
FF*:French W Africa:Af:46:35:+0:15N:18W::
FG:Guadeloupe:NA:11:08:-4:16N:62W::
FH:Mayotte:Af:53:39:+3:13S:45E::
FH*:Comoros:Af:53:39:+3:12S:43E::FB8
FI8*:Fr Indo China:As:49:26:+7:11N:107E::
FK:New Caledonia:Oc:56:32:+11:22S:167E::
FM:Martinique:NA:11:08:-4:15N:61W::
FN8*:French India:As:41:22:+5.5:12N:80E::
FO:Clipperton Is:NA:10:07:-7:10N:109W::
FO:French Polynesia:Oc:63:32:-10:18S:150W::
FP:St Pierre & Miquelon:NA:09:05:-4:47N:56W::
FQ8*:Fr Equatorial Africa:Af:47,52:36:+1:5N:18E::
FR:Glorioso Is:Af:53:39:+3:12S:47E::
FR:Juan de Nova, Europa:Af:53:39:+3:17N:43E::
FR:Reunion:Af:53:39:+4:21S:55E::
FR:Tromelin:Af:53:39:+4:16S:54E::
FS:St Martin:NA:11:08:-4:18N:63W::FG,FJ
FT_W:Crozet:Af:68:39:+3:46S:52E::
FT_X:Kerguelen Is:Af:68:39:+5:50S:70E::
FT_Z:Amsterdam & St Paul Is:Af:68:39:+5:38S:78E::
FW:Wallis & Futuna Is:Oc:62:32:-10.5:14S:172W::
FY:French Guiana:SA:12:09:-4:5N:52W::
G:England:Eu:27:14:+0:52N:0W:GA-GZ,MA-MZ,VP-VS,ZB-ZJ,ZN-ZO,ZQ,2A-2Z:
GD:Isle of Man:Eu:27:14:+0:54N:4W::
GI:No Ireland:Eu:27:14:+0:55N:6W::
GJ:Jersey:Eu:27:14:+0:49N:2W::
GM:Scotland:Eu:27:14:+0:57N:2W::
GU:Guernsey:Eu:27:14:+0:49N:3W::
GW:Wales:Eu:27:14:+0:52N:3W::
H4:Solomon Is:Oc:51:28:+11:9S:160E:H4:
HA:Hungary:Eu:28:15:+1:48N:19E:HA,HG:
HB:Switzerland:Eu:28:14:+1:47N:7E:HB,HE:
HB0:Liechtenstein:Eu:28:14:+1:47N:10E::
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HC:Ecuador:SA:12:10:-5:0N:79W:HC-HD:
HC8:Galapagos Is:SA:12:10:-5:1S:90W::
HH:Haiti:NA:11:08:-5:19N:72W:HH,4V:
HI:Dominican Rep:NA:11:08:-5:18N:70W:HI:
HK:Colombia:SA:12:09:-5:5N:74W:HJ-HK,5J-5K:
HK0:Malpelo Is:SA:12:09:-5:4N:82W::
HK0:San Andres & Providencia:NA:11:07:-6:13N:82W::
HK0*:Bajo Nuevo:NA:11:08:-5:16N:79W::
HK0*:Serrana Bnk, Roncador Cay:NA:11:07:-5:14N:80W::KP3,KS4
HL:Korea:As:44:25:+9:38N:127E:DS-DT,D7-D9,HL-HM,P5-P9,6K-6N:
HP:Panama:NA:11:07:-5:9N:80W:HO-HP,H3,H8-H9,3E-3F:
HR:Honduras:NA:11:07:-6:14N:87W:HQ-HR:
HS:Thailand:As:49:26:+6:14N:101E:HS:
HV:Vatican:Eu:28:15:+1:42N:13E:HV:
HZ:Saudi Arabia:As:39:21:+3:25N:47E:HZ,7Z,8Z:
I:Italy:Eu:28:15:+1:42N:12E:IA-IZ:
I1*:Trieste:Eu:28:15:+1:46N:14E::
I5*:Ital Somaliland:Af:48:37:+3:2N:46E::
IS:Sardinia:Eu:28:15:+1:39N:9E::
J2:Djibouti:Af:48:37:+3:12N:43E:J2:
J3:Grenada:NA:11:08:-4:12N:62W:J3:
J5:Guinea-Bissau:Af:46:35:-1:12N:16W:J5:
J6:St Lucia:NA:11:08:-4:14N:61W:J6:
J7:Dominica:NA:11:08:-4:15N:61W:J7:
J8:St Vincent:NA:11:08:-4:13N:61W:J8:
JA:Japan:As:45:25:+9:36N:140E:JA-JS,7J-7N,8J-8N:KA1
JD:Minami Torishima:Oc:45/90:27:+10:24N:154E::KA1
JD:Ogasawara:As:45:27:+10:28N:142E::KA1
JD1*:Okino Tori-shima:As:45:27:+10:30N:140E::7J1
JT:Mongolia:As:32,33:23:+7.5:48N:107E:JT-JV:
JW:Svalbard:Eu:18:40:+1:78N:16E::
JX:Jan Mayen:Eu:18:40:-1:71N:9W::
JY:Jordan:As:39:20:+2:32N:36E:JY:
JZ0*:Neth New Guinea:Oc:51:28:+10:10S:147E::
K:United States:NA:06,07,08:03,04,05:-5:39N:77W:AA-AL,KA-KZ,NA-NZ,WA-WZ:
KC6:Belau:Oc:64:27:+10:7N:134E::
KG4:Guantanamo Bay:NA:11:08:-5:20N:75W::
KH1:Baker & Howland Is:Oc:61:31:-12:0N:176W::
KH2:Guam:Oc:64:27:+10:13N:145E::
KH3:Johnston Is:Oc:61:31:-11:17N:170W::
KH4:Midway Is:Oc:61:31:-11:28N:177W::
KH5:Palmyra, Jarvis Is:Oc:61:31:-11:6N:162W::
KH5K:Kingman Reef:Oc:61:31:-11:6N:162W::
KH6:Hawaii:Oc:61:31:-10:21N:158W::
KH7:Kure Is:Oc:61:31:-11:29N:178W::
KH8:Am Samoa:Oc:62:32:-11:14S:171W::
KH9:Wake Is:Oc:65:31:+12:19N:167E::
KH0:Mariana Is:Oc:64:27:+10:15N:146E::
KL7:Alaska:NA:01,02:01:-8:58N:134W::
KP1:Navassa Is:NA:11:08:-5:18N:75W::
KP2:Virgin Is:NA:11:08:-4:18N:65W::
KP4:Puerto Rico:NA:11:08:-4:18N:66W::
KP5:Desecheo Is:NA:11:08:-4:18N:68W::
```

```
KR6*:Okinawa (Ryukyu):As:45:25:+8:26N:128E::KR8,JR6,KA6
KS4*:Swan Is:NA:11:07:-6:17N:84W::
KZ5*:Canal Zone:NA:11:07:-5:9N:80W::
LA:Norway:Eu:18:14:+1:60N:11E:JW-JX,LA-LN,3Y:
LU:Argentina:SA:14,16:13:-3:35S:58W:AY-AZ,LO-LW,L2-L9:
LX:Luxembourg:Eu:27:14:+1:50N:6E:LX:
LY:Lithuania:Eu:29:15:+3:55N:25E::UP
LZ:Bulgaria:Eu:28:20:+2:43N:23E:LZ:
OA:Peru:SA:12:10:-5:12S:78W:OA-OC,4T:
OD:Lebanon:As:39:20:+2:34N:36E:OD:
OE:Austria:Eu:28:15:+1:48N:16E:OE:
OH:Finland:Eu:18:15:+2:60N:25E:OF-OJ:
OH0:Aland Is:Eu:18:15:+2:60N:20E::
OJ0:Market Reef:Eu:18:15:+2:60N:19E::
OK:Czechoslovakia:Eu:28:15:+1:50N:15E:OK-OM:
ON:Belgium:Eu:27:14:+1:51N:4E:ON-OT:
OX:Greenland:NA:05,75:40:-3:64N:52W::XP
OY:Faroe Is:Eu:18:14:+0:62N:7W::
OZ:Denmark:Eu:18:14:+1:56N:13E:OU-OZ,XP,5P-5Q:
P2:Papua New Guinea:Oc:51:28:+10:10S:147E:P2:
P2*:Papua Terr:Oc:51:28:+10:10S:147E::VK9
P2*:Terr New Guinea:Oc:51:28:+10:10S:147E::VK9
P4:Aruba:SA:11:09:-4.5:13N:70W:P4:
PA:Netherlands:Eu:27:14:+1:52N:5E:PA-PI:
PJ2:Neth Antilles:SA:11:09:-4.5:12N:69W:PJ:PJ4,PJ9
PJ5:St Maarten, Saba, St Eus:NA:11:08:-4:18N:63W::PJ6-8
PK1*:Java:Oc:54:28:+7.5:6S:107E::PK23
PK4*:Sumatra:Oc:54:28:+7:1S:100E::
PK5*:Netherlands Borneo:Oc:54:28:+8:3S:115E::
PK6*:Celebe & Molucca Is:Oc:54:28:+8:5S:119E::
PY:Brazil:SA:12,13,15:11:-3:16S:48W:PP-PY,ZV-ZZ:
PY0:Fernando de Noronha:SA:13:11:-2:4S:32W::
PY0:St Peter & St Paul Rocks:SA:13:11:-2:0N:29W::
PY0:Trindade & Martin Vaz Is:SA:15:11:-2:21S:29W::
PZ:Surinam:SA:12:09:-3.5:6N:55W:PZ:
S2:Bangladesh:As:41:22:+6:24N:90E:S2-S3:
S7:Seychelles:Af:53:39:+4:5S:55E:S7:
S9:Sao Tome & Principe:Af:47:36:+0:0N:7E:S9:
S0:Western Sahara:Af:37:33:+0:27N:13W:S0~:
SM:Sweden:Eu:18:14:+1:59N:18E:SA-SM,7S,8S:
SP:Poland:Eu:28:15:+1:52N:21E:HF,SN-SR,3Z:
ST:Sudan:Af:48:34:+2:16N:33E:SSN-SSZ,ST,6T-6U:
ST0:Southern Sudan:Af:48:34:+2:5N:32E::
SU:Egypt:Af:38:34:+2:31N:31E:SSA-SSM,SU,6A-6B:
SV:Greece:Eu:28:20:+2:38N:24E:J4,SV-SZ:
SV5:Dodecanese:Eu:28:20:+2:36N:28E::
SV9:Crete:Eu:28:20:+2:36N:24E::
SY:Mt Athos:Eu:28:20:+2:40N:24E::SV1/A
T2:Tuvalu:Oc:65:31:+12:9S:179E:T2:
T31:Central Kiribati:Oc:62:31:+12:4S:171W:T3:
T32:East Kiribati:Oc:61,63:31:+12:2N:158W::
T33:Banaba:Oc:65:31:+11.5:1S:170E::
T30:West Kiribati:Oc:65:31:+12:1S:173E::
```

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T5:Somali:Af:48:37:+3:2N:46E:T5,6O:
T7:San Marino:Eu:28:15:+1:44N:12E:T7:
TA:Turkey:As,Eu:39:20:+2:40N:33E:TA-TC,YM:
TF:Iceland:Eu:17:40:0:64N:22W:TF:
TG:Guatemala:NA:11:07:-6:16N:92W:TD,TG:
TI:Costa Rica:NA:11:07:-6:10N:84W:TE,TI:
TI9:Cocos Is:NA:11:07:-6:6N:87W::
TJ:Cameroon:Af:47:36:+1:4N:12E:TJ:
TK:Corsica:Eu:28:15:+1:42N:9E::
TL:Central African Rep:Af:47:36:+1:5N:19E:TL:
TN:Congo:Af:52:36:+1:4S:15E:TN:
TR:Gabon:Af:52:36:+1:1N:10E:TR:
TT:Chad:Af:47:36:+1:12N:15E:TT:
TU:Ivory Coast:Af:46:35:+0:5N:4W:TU:
TY:Benin:Af:46:35:+0:6N:3E:TY:
TZ:Mali:Af:46:35:+0:13N:8W:TZ:
UA1:Russia (European):Eu:19,20,29,30:16:+3:56N:37E:EK,EM-EO,ER-ES,EX-EZ,LY,RA-
RZ,UA-UZ,YL,4J-4L:UA346,UN,UV,UW,UZ
UA2:Kaliningrad:Eu:29:15:+3:55N:21E::UZ2
UA9:Russia
(Asiatic):As:20,21,22,23,24,25,26,30,31,32,33,34,35,75:16,17,18,19,23:+7:52N:104E:
:UA0,UN,UV,UW,UZ
UB:Ukraine:Eu:29:16:+3:50N:30E::UT,UY
UC:Byelorussia:Eu:29:16:+3:54N:28E:EU-EW:
UD:Azerbaijan:As:29:21:+4:40N:50E::
UF:Georgia:As:29:21:+4:42N:45E::
UG:Armenia:As:29:21:+4:40N:45E::
UH:Turkmenistan:As:30:17:+5:38N:58E::
UI:Uzbekistan:As:30:17:+6:41N:69E::
UJ:Tadzhikistan:As:30:17:+6:39N:69E::
UL:Kazakhstan:As:29,30,31:17:+5.5:43N:77E::
UM:Kirghizia:As:30,31:17:+6:43N:75E::
UN1*:Karelo-Finnish Rep:Eu:19:16:+3:64N:32E::
UO:Moldavia:Eu:29:16:+3:47N:29E::
V2:Antigua, Barbuda:NA:11:08:-4:17N:62W:V2:
V3:Belize:NA:11:07:-5.5:17N:89W:V3:
V4:St Kitts, Nevis:NA:11:08:-4:17N:63W:V4:
V5:Namibia:Af:57:38:+2:22S:17E:V5:ZS3
V6:Micronesia:Oc:65:27:+11:7N:158E:V6:KC6
V7:Marshall Is:Oc:65:31:+12:7N:171E:V7:KX6
V8:Brunei:Oc:54:28:+8:5N:115E:V8:
VE:Canada:NA:02,03,04,09,75:01,02,03,04,05:-5:45N:76W:CF-CK,CY-CZ,VA-VG,VO,VX-
VY,XJ-XO:
VK:Australia:Oc:55,58,59:29,30:+10:35S:149E:AX,VH-VN,VZ:
VK9L:Lord Howe Is:Oc:60:30:+10:31S:159E::
VK9N:Norfolk Is:Oc:60:32:+11.5:29S:168E::
VK9X:Christmas Is:Oc:54:29:+7:10S:106E::
VK9Y:Cocos-Keeling Is:Oc:54:29:+6.5:12S:97E::
VK9Z:Mellish Reef:Oc:55:30:+10:17S:156E::
VK9Z:Willis Is:Oc:55:30:+10:16S:150E::
VK0:Heard Is:Af:68:39:+5:53S:73E::
VK0:Macquarie Is:Oc:60:30:+11:54S:159E::
VO*:Newfoundland, Labrador:NA:09:02,05:-3.5:48N:53W::
```

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VP2E:Anguilla:NA:11:08:-4:18N:63W::
VP2M:Montserrat:NA:11:08:-4:17N:62W::
VP2V:Br Virgin Is:NA:11:08:-4:18N:65W::
VP5:Turks & Caicos Is:NA:11:08:-5:22N:72W::
VP8:Falkland Is:SA:16:13:-4:52S:58W::
VP8:So Georgia Is:SA:73:13:-1.5:54S:37W::LU_Z
VP8:So Orkney Is:SA:73:13:-3:61S:45W::LU_Z
VP8:So Sandwich Is:SA:73:13:-3:59S:27W::LU_Z
VP8:So Shetland Is:SA:73:13:-4:62S:59W::LU_Z,CE9,HF0,4K1
VP9:Bermuda:NA:11:05:-4:32N:65W::
VQ1*:Zanzibar:Af:53:37:+3:7S:39E::5H1
VQ6*:British Somaliland:Af:48:37:+3:2N:46E::
VQ9:Chagos:Af:41:39:+5:7S:72E::
VQ9*:Aldabra:Af:53:39:+4:9S:46E::
VQ9*:Desroches:Af:53:39:+4:6S:55E::
VQ9*:Farquhar:Af:53:39:+4:10S:51E::
VR6:Pitcairn Is:Oc:63:32:-8.5:25S:130W::
VS2*:Malaya:As:54:28:+7.5:3N:102E::9M2
VS4*:Sarawak:Oc:54:28:+8:2N:110E::
VS6:Hong Kong:As:44:24:+8:22N:114E::
VS9H*:Kuria Muria Is:As:39:21:+4:18N:56E::
VU:India:As:41:22:+5.5:29N:77E:AT-AW,VT-VW,8T-8Y:
VU7:Andaman & Nicobar Is:As:49:26:+5.5:12N:93E::
VU7:Laccadive Is:As:41:22:+5.5:11N:73E::
XE:Mexico:NA:10:06:-6:20N:99W:XA-XI,4A-4C,6D-6J:
XF4:Revilla Gigedo:NA:10:06:-7:18N:113W::
XT:Burkina Faso:Af:46:35:+0:12N:2W:XT:
XU:Cambodia:As:49:26:+8:12N:105E:XU:
XW:Laos:As:49:26:+7:20N:102E:XW:
XX9:Macao:As:44:24:+8:22N:114E::
XZ:Myanmar (Burma):As:49:26:+6.5:17N:96E:XY-XZ:
Y2*:East Germany:Eu:28:14:+1:53N:13E::
YA:Afghanistan:As:40:21:+4.5:35N:69E:T6,YA:
YB:Indonesia:Oc:51,54:28:+7.5:6S:107E:JZ,PK-PO,YB-YH,7A-7I,8A-8I:
YI:Iraq:As:39:21:+3:32N:45E:HN,YI:
YJ:Vanuatu:Oc:56:32:+11:18S:168E:YJ:
YK:Syria:As:39:20:+2:34N:36E:YK,6C:
YL:Latvia:Eu:29:15:+3:57N:24E::UQ
YN:Nicaragua:NA:11:07:-6:12N:87W:HT,H6-H7,YN:
YO:Romania:Eu:28:20:+2:45N:26E:YO-YR:
YS:El Salvador:NA:11:07:-6:14N:89W:HU,YS:
YU:Yugoslavia:Eu:28:15:+1:45N:20E:YT-YU,YZ,4N-4O:
YV:Venezuela:SA:12:09:-4:10N:67W:YV-YY,4M:
YV0:Aves Is:NA:11:08:-4:16N:64W::
Z2:Zimbabwe:Af:53:38:+2:18S:31E:Z2:
ZA:Albania:Eu:28:15:+1:41N:20E:ZA:
ZB:Gibraltar:Eu:37:14:+1:37N:5W::
ZC:Cyprus SBA:As:39:20:+2:36N:33E::
ZC5*:Br North Borneo:Oc:54:28:+8:6N:116E::
ZC6*:Palestine:As:39:20:+2:32N:35E::4X1
ZD4*:Gold Coast, Togoland:Af:46:35:+0:5N:0W::
ZD7:St Helena:Af:66:36:+0:16S:6W::
ZD8:Ascension Is:Af:66:36:0:8S:14W::
```

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ZD9:Tristan da Cunha & Gough Is:Af:66:38:0:37S:12W::
ZF:Cayman Is:NA:11:08:-5:19N:81W::
ZK1:No Cook Is:Oc:62:32:-10.5:10S:161W::
ZK1:So Cook Is:Oc:63:32:-10.5:22S:158W::
ZK2:Niue:Oc:62:32:-11:19S:170W::
ZK3:Tokelau Is:Oc:62:31:-11:9S:171W::
ZL:New Zealand:Oc:60:32:+12:41S:175E:ZK-ZM:
ZL7:Chatham Is:Oc:60:32:+12.75:44S:177W::
ZL8:Kermadec Is:Oc:60:32:+12:29S:178W::
ZL9:Auckland, Campbell Is:Oc:60:32:+12:51S:166E::
ZP:Paraguay:SA:14:11:-4:26S:57W:ZP:
ZS:So Africa:Af:57:38:+2:26S:28E:H5,S4,S8,V9,ZR-ZU:
ZS8:Pr Edward & Marion Is:Af:57:38:+3:47S:38E::
ZS9:Walvis Bay:Af:57:38:+2:23S:15E::
1A0:SMO Malta:Eu:28:15:+1:42N:13E:1A~:
1M*:Minerva Reef:Oc:62:32:-12:24S:179W::
1S:Spratly Is:As:50:26:+7:9N:112E:1S~:
3A:Monaco:Eu:27:14:+1:44N:8E:3A:
3B6:Agalega & St Brandon:Af:53:39:+4:10S:57E::3B7
3B8:Mauritius:Af:53:39:+4:20S:58E:3B:
3B9:Rodriguez Is:Af:53:39:+4:20S:63E::
3C:Equatorial Guinea:Af:47:36:-1:4N:9E:3C:
3C0:Pagalu:Af:52:36:-1:1S:6E::
3D2:Conway Reef:Oc:56:32:+12:22S:175E::
3D2:Fiji Is:Oc:56:32:+12:18S:178E:3DN-3DZ:
3D2:Rotuma:Oc:56:32:+12:13S:177E::
3DA:Swaziland:Af:57:38:+2:26S:31E:3DA-3DM:3D6
3V:Tunisia:Af:37:33:+1:37N:10E:TS,3V:
3W:Vietnam:As:49:26:+7:11N:107E:XV,3W:
3X:Guinea:Af:46:35:+0:10N:14W:3X:
3Y:Bouvet:Af:67:38:+0:54S:3E::
3Y:Peter I:An:72:12:-6:69S:91W::
4J1:Malyj Vysotskij Is:Eu:29:16:+3:61N:29E::
4K2:Franz Josef Land:Eu:75:40:+3:81N:48E::UA1
4S:Sri Lanka:As:41:22:+5.5:7N:80E:4P-4S:
4U:ITU Geneva:Eu:28:14:+1:46N:6E::
4U:UN HQ:NA:08:05:-5:41N:74W:4U:
4W*:Yemen Arab Rep:As:39:21:+3:15N:44E::
4X:Israel:As:39:20:+2:32N:35E:4X,4Z:
5A:Libya:Af:38:34:+2:33N:13E:5A:
5B:Cyprus:As:39:20:+3:35N:33E:C4,H2,P3,5B:
5H:Tanzania:Af:53:37:+3:7S:39E:5H-5I:
5N:Nigeria:Af:46:35:+1:6N:3E:5N-5O:
5R:Madagascar:Af:53:39:+3:19S:48E:5R-5S,6X:
5T:Mauritania:Af:46:35:-1:18N:16W:5T:
5U:Niger:Af:46:35:+1:14N:2W:5U:
5V:Togo:Af:46:35:+0:6N:1E:5V:
5W:Western Samoa:Oc:62:32:-11:14S:172W:5W:
5X:Uganda:Af:48:37:+3:0N:33E:5X:
5Z:Kenya:Af:48:37:+3:2S:37E:5Y-5Z:
6W:Senegal:Af:46:35:+0:15N:18W:6V-6W:
6Y:Jamaica:NA:11:08:-5:18N:77W:6Y:
7O:Yemen:As:39:21:+3:13N:45E:4W,7O:
```

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7O*:Kamaran Is:As:39:21:+3:15N:43E::VS9K
7O*:PDR Yemen:As:39:21:+3:13N:45E::
7P:Lesotho:Af:57:38:+2:29S:27E:7P:
7Q:Malawi:Af:53:37:+2:14S:34E:7Q:
7X:Algeria:Af:37:33:+0:37N:3E:7R,7T-7Y:
8P:Barbados:NA:11:08:-4:13N:60W:8P:
8Q:Maldive Is:As,Af:41:22:+5:4N:73E:8Q:
8R:Guyana:SA:12:09:-3.75:6N:58W:8R:
8Z4*:S Arabia/Iraq NZ:As:39:21:+3:29N:46E::
8Z5*:Kuwait/S Arabia NZ:As:39:21:+3:29N:48E::9K3
9G:Ghana:Af:46:35:+0:5N:0W:9G:
9H:Malta:Eu:28:15:+1:36N:15E:9H:
9J:Zambia:Af:53:36:+2:15S:28E:9I-9J:
9K:Kuwait:As:39:21:+3:29N:48E:9K:
9L:Sierra Leone:Af:46:35:+0:9N:13W:9L:
9M2:West Malaysia:As:54:28:+7.5:3N:102E::9M4
9M6:East Malaysia:Oc:54:28:+8:2N:110E:9M,9W:9M8
9N:Nepal:As:42:22:+5.5:28N:85E:9N:
9Q:Zaire:Af:52:36:+1:4S:15E:9O-9T:
9S4*:Saar:Eu:28:14:+1:49N:7E::
9U:Burundi:Af:52:36:+3:3S:29E:9U:
9U5*:Ruanda-Urundi:Af:52:36:+3:3S:30E::
9V:Singapore:As:54:28:+7.5:1N:104E:S6,9V:
9X:Rwanda:Af:52:36:+3:2S:30E:9X:
9Y:Trinidad & Tobago:SA:11:09:-4:11N:62W:9Y-9Z:
~~*:Blenheim Reef:Af:41:39:+5:7S:72E::
~~*:Geyser Reef:Af:53:39:+3:12S:46E::
```

From 7338658091223209082
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,66a8a84e89a1d721
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 10:38:20 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: DAB and all that ...
Message-ID: <9011051838.AA19698@cmr.ncsl.nist.gov>
Date: 5 Nov 90 18:38:20 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 7
Posted: Mon Nov 5 19:38:20 1990

Regarding the compression of present-day satellite digital audio:

The 15-bit-resolution raw encoded data is compressed to 11- or 12-bit RESOLUTION in 1 millisecond blocks. A scale factor is sent for each block. 24 or 25 audio channels fully occupy one satellite transponder, instead of a TV channel.

```
 Bob   W3OTC


From 3090397615090970973
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc404a606b5d7727
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 11:02:05 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!att!news.cs.indiana.edu!iuvax!news!cartan!
ndmath!nstar!w8grt!root
From: root@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: licenses
Message-ID: <307.2735CEB7@w8grt.fidonet.org>
Date: 5 Nov 90 19:02:05 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 55
Posted: Mon Nov  5 20:02:05 1990


 > From: Dave.Stark@f218.n260.z1.FIDONET.ORG (Dave.Stark)
 > Date: 4 Nov 90 21:42:15 GMT
 > Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
 > Message-ID: <193.27351540@rochgte.FIDONET.ORG>
 > Newsgroups: rec.ham-radio
 >
 >
 >  > From: oo7@ut-emx.uucp (Derek Wills)
 >  >
 >  > Novice  - knows own name
 >
 >       I think this one is in effect already.  I just saw a posting in
 > the FidoNet HAM echo from someone who says he just passed the Novice
 > exam and is waiting for his ticket.  He wanted to know what bands and
 > frequencies he could use as a Novice!  I thought that stuff was on the
 > exam somewhere.
```

He obviously never took it. I understand why the FCC wanted to cut costs by not giving the tests themselves and I know that most VE's are honest, but it is obvious from a lot of independent indicators that there are an AWFUL lot of dishonestly obtained ham licenses on the books.

Three or four years ago on the Compu$erve sailing forum I ran across some ocean yacht racers who were conversing about buying their ham licenses from the VE belonging to the yacht club sponsoring a certain race. It was obvious from the their remarks that they genuinely did not know that that was not the normal way ALL hams get their licenses. To them it was like car tags. You buy the radio, pay the fee, and receive your tags.

It's entirely possible they never learned otherwise. They never QSO'ed anyone but other people involved in the races they were in and more than likely never read the regs, ham magazines, or anything else that would have given them the clue.

There are others who DO know it's illegal, but don't consider it any more serious than driving 75 mph on the Interstate. If you say otherwise to them, they laugh at you.

And then there are those in BOTH the sailing and ballooning worlds who genuinely believe (or claim to anyway) that their hobbies are inherently so dangerous that even under normal conditions they are qualified under CommAct section 303 (or whatever the emergency clause is) to use any frequency they want to, with or without a license.

It's a strange world, Charlie Brown.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!root
  |     _) INTERNET: root@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

```
From 9159545064264280279
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ad0aeac90cb1488f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 11:34:31 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!ucsd!ucbvax!
CRDEC7.APGEA.ARMY.MIL!wejones
From: wejones@CRDEC7.APGEA.ARMY.MIL ("William E. Jones III")
Newsgroups: rec.ham-radio
Subject: Antenna questions
Message-ID: <9011051434.aa14654@crdec7.apgea.army.mil>
Date: 5 Nov 90 19:34:31 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 66
Posted: Mon Nov  5 20:34:31 1990
```

Antenna questions.

To receive wefax images from NOAA satellites, I had been using a Radioshack Discone antenna, but experienced periodic fade-in / fade-out problems, which I assume is due to rotation of the satellite or a circularly polarized antenna on the satellite. To fix this problem, I built a "Lindenblad" antenna following the directions in the ARRL Satellite Experimenters Handbook. This antenna (which is four folded dipoles arranged in a square, and then each tilted 30 deg out of the squares plane) works OK, but is made of bare 12 guage wire, so that when birds (the kind with wings) sit on it, they bend it all out of shape. My questions are:

1. What would I lose by making it out of heavier stock, such as 1/8 " or 1/4 " refrigeration tubing. I have noticed other posters refer to a rule of 1/1000 for element diameter/wavelength, and the 12 guage wire seems to be the maximum by this criteria. Most TV and other beam type antennas would violate this rule too, but they would probably make up for it via multiple elements.

2. What would I lose by supporting the wire over a plexiglas or wood form. The book specified bare wire.

3. What would I lose by using steel rods and making plain 1/2 wave dipoles instead of the folded dipoles. Some recent posters have been critical of the use of steel for transmitting, but since I'm only receiving, would it be OK?

4 How much am I losing at 137 MHz by using an antenna sized for 145 MHz? I was hoping to use it at both frequencies, and hoped it would be broadbanded enough not to lose much doing so.

5. Could my original fading problem (a very reproducible pattern) be caused by reflection from a nearby TV antenna? If so, how far away from such objects should I be?

6. What other antenna design might be useful? Is there an antenna design which is not ideal for transmitting (and thus left out of antenna books) which may be useful for receiving? I was looking for an omnidirectional antenna, but I could compromise in this respect if the patterns weren't too narrow. I want to avoid having to track, however, if at all possible.

7. Somewhat off the subject, I have both an ICOM 7000 and a RS Pro-34 scanner. With the Pro-34, I can replace the normal antenna with a short length of bare wire, and the radio works fairly well, in fact better than with the supplied antenna. On the other hand, when I first got my 7000, I tried it out with a short length of wire, and it didn't work at all! (ie stations coming in loud & clear on the Pro-34 could not even be heard at all on the 7000). I was convinced that the unit was defective until I hooked it up to the discone. I have seen others comment on "sensitivity problems" with the 7000, and suspect that they were experiencing something similar. Why should a cheap radio outperform a quality receiver with a poor antenna, but the reverse be true with a good (or at least better matched) antenna? I assume that for some reason the 7000 is more sensitive to mismatch, perhaps due to increased selectivity.

From 1075339309923065425
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc7d1b17c022ef19,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 12:27:55 PST
Path: gmdzi!unido!mcsun!uunet!apctrc!zmls04
From: zmls04@trc.amoco.com (Martin L. Smith)
Newsgroups: rec.ham-radio
Subject: Icom control program
Message-ID: <ZMLS04.90Nov5142755@gpss31.trc.amoco.com>
Date: 5 Nov 90 20:27:55 GMT
Sender: news@trc.amoco.com
Distribution: rec
Organization: Amoco Production Company, Tulsa Research Center
Lines: 12
Posted: Mon Nov 5 21:27:55 1990

I distributed a semi-beta-test Icom R7000 control program (in C++, with source) in the
shortwave group. I neglected to see if anyone here wanted it. It's a 142kB *.uue file.
If you want a copy send me e-mail. There will someday be a post-beta version that
will be announced more widely so if you don't need it in the next month or two,
just hold on and it'll reappear.
--

```
   Martin L. Smith             Amoco Research Center
                               P.O. Box 3385
 zmls04@trc.amoco.com          Tulsa, OK 74102
[zmls04@sc.msc.umn.edu]        918-660-4065
```

From -5413279741492825737
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bef7f0615b111d6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 12:30:04 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!bridge2!mips!wdl1.wdl.fac.com!wdl1!engle
From: engle@wdl1.wdl.fac.com (David Engle)
Newsgroups: rec.ham-radio
Subject: Re: A Proposal
Message-ID: <1990Nov5.203004.4024@wdl1.wdl.fac.com>
Date: 5 Nov 90 20:30:04 GMT
References: <1147@west.West.Sun.COM>
Sender: root@wdl1.wdl.fac.com (SUPER USER)
Organization: Ford Aerospace
Lines: 32
Posted: Mon Nov 5 21:30:04 1990
Nntp-Posting-Host: wdl1

In article <1147@west.West.Sun.COM> flloyd@sunburn.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242) writes:
>
>I would like to propose a new news group:
>
>rec.ham-radio.endless-cw-debate.
>
>I get the impression that there is probably a majority of readers
>in rec.ham-radio that feel the same way as I do.
>
>I for one am tired of the endless ranting and raving about this topic
>which in all probability does not have an ending. . . .
>

I agree with Fred about the unending flame wars over this and a few other subjects. I propose that we start a new group

rec.ham-radio.tech

This way we can leave the endless debates in rec.ham-radio (too bad, actually) and go to a group with some meaning. Having subscribed to this news group for 8 or so years, I have my doubts about getting an agreement to stop the diatribes. Every year we get a new batch of subscribers who don't know these debates have gone on never ending. Maybe, a group whose name is tech (for technical) would allow the rest of us to skip the low information content postings? Probably not, but maybe a smaller amount.

Regards, Dave

--
David Engle, KE6ZE - engle@wdl1.wdl.fac.com - 408/473-4419 @ work
Facts, what facts? I don't got to show you no stinking facts.
These are opinions expressed here.

From 1227398314797920683
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2147ef06c467456d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 12:35:57 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!bionet!synoptics!
From: jkaidor@ (Jerome Kaidor)
Newsgroups: rec.ham-radio
Subject: Fast-scan TV
Message-ID: <22067@mvis1.com>
Date: 5 Nov 90 20:35:57 GMT
Sender: jkaidor@synoptics.COM
Lines: 17
Posted: Mon Nov 5 21:35:57 1990

Followup-To:
Distribution: usa

Organization: SynOptics Communications Inc. Santa Clara, Ca.
Disclaimer: Sender is *solely* responsible for the contents of message
Keywords:

A little while ago, my wife favored me with a camcorder for my birthday. It strikes me that now I have the major part of a fast scan TV station. All that's left is the RF front end. Does anybody know if there is any fast-scan activity in the SF Bay Area? What frequencies are in use? Would modified broadcast TV components be adequate? Or is more selectivity/sensitivity needed? Does amateur FSTV use the same partially-suppressed-single-sideband video as broadcast TV? If so, the little TV RF modulators used for video games etc probably wouldn't work, right?

- Jerry Kaidor, KF6VB

From -3008185387945925735
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a52980d2c3608d8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 12:47:42 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: NOCODE (was Re: K1EA Software)
Message-ID: <4285@lib.tmc.edu>
Date: 5 Nov 90 20:47:42 GMT
References: <16894@shlump.nac.dec.com> <802@idacrd.UUCP>
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 35
Posted: Mon Nov 5 21:47:42 1990
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <802@idacrd.UUCP> mac@idacrd.UUCP (Robert McGwier) writes:
>Since it appears to me that {no-code} is a
>fait d'accompli, may we now move this discussion on towards how best to
>bring these people out of the ghetto and into the mainstream?

(Minor grammar flame: It's _fait accompli_. Nyah. :-P)
Sadly, I think Bob's right: we will be stuck with a no-code license sometime in the near future. I further agree that these people should be accepted into the amateur community; they will be legally licensed amateur radio operators, after all, and that means "ham" to most of the world.

How we get them into the mainstream will depend on just what the FCC does. It will be more difficult to do so if their privileges are restricted than if they have access to a large portion of the spectrum.

Since we won't have the opportunity to educate the new no-code licensees in amateur operations before they're licensed, since they can get the ticket simply by memorizing a book, we must do so on the air when they get on. This means that we must first clean up our own act.

We must provide the infrastructure they'll need to operate successfully. This will vary widely, depending on what the FCC does, but it may well include building repeaters and packet networks on bands they don't exist on now. We will always be stuck with 1200 BPS AFSK on 2 meters, but this may be our opportunity to build the better network that the PSK types keep promising us on 220 or 440.

I haven't given it much though, since the idea is highly distasteful to me, but since the ham population has caved in to the FCC and gone along (for the most part) with the idea, let's see what we can salvage.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
"With design like this, who needs bugs?" - Boyd Roberts

From -1924216255294159553
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d45622fd5b9e7fe8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,d45622fd5b9e7fe8
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-11-05 13:15:07 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!trub!perley
From: perley@trub.crd.ge.com (Donald P Perley)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Digital Audio Broadcasting or DAB.
Keywords: digital autio broadcasting dab
Message-ID: <13425@crdgw1.crd.ge.com>
Date: 5 Nov 90 21:15:07 GMT
References: <668@kb2ear.UUCP> <42@omen.UUCP>
<1990Nov5.084441.25975@ux1.cso.uiuc.edu>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@trub.crd.ge.com (Donald P Perley)
Followup-To: rec.radio.shortwave
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 35
Xref: gmdzi rec.radio.shortwave:2620 rec.ham-radio:16534
Posted: Mon Nov 5 22:15:07 1990

In article <1990Nov5.084441.25975@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN) writes:
>caf@omen.UUCP (Chuck Forsberg WA7KGX) writes:
>
>>A number of DAB systems have been proposed. Generally, they use
>>compression to lower the bit rate from that used on CDs; there
>>will be controversy about the audible effects of this compression.
>
>There was controversy on the audible effects of using a slow 44.1 kHz

>sampling rate. I can actually hear the quantization effects so for me
>it is no controversy.

If you are hearing quantization effects, it sounds more like not enough bits/sample than not enough samples/sec. (ingoring things like sigma delta converters where the distinction could get fuzzy).

Do you hear it more on quiet passages than loud ones? That 90-100 decibels of signal/noise ratio on a CD only holds on the loudest passages.

Non linear encoding, or maybe floating point representation would let you cut down the s/n ratio by a few tens of decibels, but have it hold over a wide dynamic range. This could sound better overall, and cut down the bit rate. Sort of a digital form of Dolby.

>Whenever you compress data, you run the risk that some combinations
>of data will take MORE bits after compression. For audio, there are
>a LOT of digital stream values that make no particular sense, such
>as nearly full extremes of values between each sample.

If a full slew between samples makes no sense, isn't that like saying that your sampling rate is higher than it needs to be?

-don perley - ke2tp
--
perley@trub.crd.ge.com

From 8712868347941245420
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8947da0d6e77d4f2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 13:23:48 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!mips!twg.com!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: T33X
Message-ID: <8219@gollum.twg.com>
Date: 5 Nov 90 21:23:48 GMT
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 10
Posted: Mon Nov 5 22:23:48 1990

Sunday there was an operation on claiming to be T33X, and I'd sure like to know if anybody has information about whether this one was legitimate. From my QTH it came at the right beam heading, but the fishy thing about this was that just while HK0TU was running a big pile-up at 21.025, the purported T33X came on 21.023 saying "up 1". The results were predictable--he put a pile-up right on top of HK0TU. I'm inclined to think this was just one of the more

creative ways of jamming I've encountered recently. I know that SM7PKK et al
are supposed to show up today as T33R and T33T, but I haven't heard anything
about a T33X operation. Any info would be appreciated.

AA6KX

From -2650220677635546496
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,44ee6c98d8549ed1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,44ee6c98d8549ed1,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-11-05 14:09:25 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!joehol
From: joehol@microsoft.UUCP (Joseph HOLMAN)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Solar Cells
Keywords: Solar Cells
Message-ID: <58821@microsoft.UUCP>
Date: 5 Nov 90 22:09:25 GMT
Organization: Microsoft Corp., Redmond WA
Lines: 12
Xref: gmdzi rec.ham-radio:16532 sci.electronics:9460
Posted: Mon Nov 5 23:09:25 1990

I'm looking for a supplier of Solar Cells, other than Radio Shack.
(i've got their price already...)

Can somebody out there give me a telephone # ???

Joe Holman

uunet!uw-beaver!microsoft!joehol
joehol@microsoft.uucp

206-936-8921.

From 2238004616194003275
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20b648d13d40bab8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 14:15:59 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!cs.uoregon.edu!mips!twg.com!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: Re: Magnetic Loop Antennas
Message-ID: <8220@gollum.twg.com>
Date: 5 Nov 90 22:15:59 GMT
References: <1594@csisles.Bristol.AC.UK> <4327@altos86.Altos.COM>
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)

Organization: The Wollongong Group, Palo Alto, CA
Lines: 23
Posted: Mon Nov 5 23:15:59 1990

In article <4327@altos86.Altos.COM> jerry@altos86.UUCP (Jerry Gardner) writes:
>In article <1594@csisles.Bristol.AC.UK> raina@CompSci.Bristol.AC.UK (Sanjay Raina) writes:
]
]}I have come across a glossy flier on an HF Magnetic loop antenna
]}manufactured in the UK by CAP. CO Electronics.
]}Among the features claimed are :-
]}* occupies only 80cm to 4m of space
]}
].
].
]>Being a flat-dweller and rather unsettled (I tend to change flats very
]}frequently), it seems to be ideal for DXing, which I miss at the moment.
]}CAP. CO claims that as compared to a beam 60 to 80 ft long, thir antenna
]}is only 1 to 1.5 S units down on 20/15/10 metres.
]}   ^^^^^^^^^^^^^^^^^^^^^
]
]If you believe this, I've got some beach-front property on Mercury you may
]be interested in...
]
Not so fast with the sarcasm there! This ad says that their antenna is down
9 dB from a beam. Phrased that way (instead of "only 1 to 1.5 S units down"),
it doesn't sound like such a hot deal. But it doesn't sound like you've got
grounds for a truth-in-advertising challenge either.

From 5329048715760500510
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a0fc12e15074c62
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 14:58:42 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!agate!linus!philabs!ttidca!root
From: root@ttidca.TTI.COM (The Root of all Evil)
Newsgroups: rec.ham-radio
Subject: Re: Describe for me the "HAM OF THE FUTURE"
Summary: the Amateur service of the Future, maybe...
Message-ID: <21017@ttidca.TTI.COM>
Date: 5 Nov 90 22:58:42 GMT
References: <9011012221.AA14017@tilde>
Organization: Citicorp/TTI, Santa Monica
Lines: 158
Posted: Mon Nov 5 23:58:42 1990

In article <9011012221.AA14017@tilde> rlwest@flopn2.csc.ti.com (Bob West, WA8YCD) writes:
+Hey, Gang:
+
+Can we try a "Gedankenexperiment"?

+
+I recently attended a seminar on "Needs Assessment" conducted here at TI by
+Dr. Allison Rossett (Allison Rossett and Associates, San Diego, California)
+in which we discussed something she calls "OPTIMALS", the attributes
+that are desired, or the ideals of what we think should be.
+
+Use your imagination. Close your eyes, sit back, take a breath, and
+describe for me the HAM OF THE FUTURE. Forget what the Amateur Radio
+Service is today. Forget Part 97 as it stands now. Totally ignore the
+current Question Pool and VE program and Examination Elements.
+
+Don't start with what we have today, but project yourself forward to the
+end of the Nineties and describe for me the attributes of the (*-IDEAL-*)
+Ham Of The Future.

Ok...given that the minimum list of requirements would include an interest in communications and a series of skills for participation, I would suppose that this hobby might have room in it for a wide variety of people.

1) People that would like to simply communicate, and perhaps participate in the contest aspects of the hobby. Their forte is OPERATING PRACTICE, finely honed and polished. They collect QSLs and chase the rare ones, using mostly commercial equipment. Contests could be devised to give the person without an exotic station a competitive chance. Then there could be contests that cater to the "big guns"...special modes, etc. Always keeping in mind that there must be a means of factoring in the international band rules. For example: The contest is PHONE, the bands are 10-15 & 20, but HAMS with a casual interest might participate, even though they be AMERICAN NOVICES, since they can only work CW in the 21.1-21.2 and CW or digital on 28.1-28.3. ..given a multiplier, there would be some real interest in working these people via cross-mode! These kinds of things build interest and garner a wider participation.

2) People that like to build and enhance the design of existing equipment. Their bread n butter is the technical savy that has always been a part of Amateur Radio. These skills will be sharply challenged by the newer and still emerging materials and component sciences. Lots of cross-level intersts in space and digital applications. This segment of the Amateur community might even begin a series of trainning programs that build the skill levels and recognize demonstratible talent in design much like the CW fans today have their 25-30-35-40 WPM proficiency certificates. Trainning after licensing, to become even better at the game of electronics and communications! Look for advanced science & circuit kits to be a part of all this, perhaps a DIY custom chip kit or an advanced CAD using A.I. and RDBMS to provide the ham with a unique opportunity to design circuits, in real-time and watch what happens in that circuit by simulation...computers are bound to be a big part of what this crowd does, there might even be some new turf discovered by hams as the number of people interested in computer-level communications increases. Spread-spectrum technology applied to reduce QRM and band congestion!

There might be a chance that the Amateur community will combine digital networking, DSP and cellular technologies to provide a "virtual shack" accessable by any Amateur with a minimum of local equipment; perhaps a series of clubs or the ARRL will come up with a "virtual shack protocol" and related hardware specifications to match. Thus a ham with just a 220MHz ht could access a local intertie cell and then a DSP-based network such that 40 meter operations, in any geographic area served could commence! Given greater local resources, a complete ATV station for example, QSOs with other stations in other areas served by the system could provide long distance QSOs for modes that are normally local! Store and forward technology might be employed in this scheme to permit greater flexibility. Eventually, Amateurs might carry an advanced form of the HT, sort of a pocket computer and communicator rolled into one. It would have up and down link capability for network access, DSP for voice, picture and digital modes, touch-tone to access the telephone system and a keyboard similar to that of a court-reporter...all in a small package that could be clipped on a belt or carried in a pocket!

For the operator that is far away from such networks, advanced radios will be different in that the "shack" will probably only contain the control console, and this may be virtual! A plug for the mic, the TV camera, perhaps a hi-speed data line and the console speaker(s). At the other end of a series of light fiber connections will be the actual "rig". It will contain a small microprocessor-based comm system, an advanced DSP/TNC box, a set of common AF/IF/RF stages and then a series of band modules with related bi-linear amplifiers. The remoted combined "rig" will be located near the antennas, perhaps some parts will be firther remoted to AN antenna or combination of antennas in an array.

The operator might elect to have a local link to his shack, using one of the advanced pocket communicators, so that he is free to roam the property much as we do today with voice using our computers and a local remote frequency; ala 'Shackmaster' and 220MHz. Thus, where the big networks do not exist, the Amateur will erect a local net, in time these might be the expansion-base for interconnecting to a nearby node of a larger net. This sharing of resources is pointed to by the large, open repeater network and the growing network of packet nodes on 2 meters and other bands.

+
+What does this person know? What skills and attitudes would such an
+individual have? Pretend you can, in your dreams, make Amateur Radio
+in the Twenty First Century what you would like it to be.
+

This person will know a great deal more (on average) than the majority of Amateurs today. It will be necessary because of the increasing technology and the increased use of networking. Some pockets of resistance will build small cliques of 'old-timers', content to operate and maintain antique gear and much as today we will all point at the fierce independence of thought that typifies the Ham community! Eventually even the best of gear becomes obsolete, or is darn-near impossible to fix, find-parts-for, or Mickey Mouse into working. Some gear winds up trashed because the spectral output is no longer considered "GOOD"...this is how the older equipment will most likely wind up. It's possible though, that with the skills that some people have, that we may be hearing operators using equipment from the 1940's and up that has been re-engineered to newer specs. These will be some interesting projects for the hams that enjoy the tech side of it all.

+How should the public and the government view the Amateur Radio Service?
+What value does it provide, or in essence, WHY does Amateur Radio exist
+in the year 2001?
+

The public service side of the equation will continue to showcase the responsive nature of Amateur radio. In times of disaster, public means of communication drop dead. The telephones and radios used by Joe Public although very reliable cannot handle the traffic that emergency situations generate. Earthquakes, floods and the like continue to prove this again and again. On the world scene, Amateur communications are sometimes the only means by which news of events can be relayed, especially in cases involving massive civil insurestions and war.

The government will undoubtedly gauge the usefulness of Amateur radio by the leaps in communication art that we provide, plus our educational values. In that there is an increasing need to interest young people in technical careers, and to provide healthy alternatives to 'hanging-out', Amateur radio can provide opportunities to our youth that cannot be found elsewhere...if the existing ranks are willing to grow and change!

Here's the catch: If the ranks don't grow, and the frequencies lie dormant we may very well see the governments reducing or eliminating our allocations!
I favor a restructuring of the licenses. The elimination of CW skills above 5 WPM for General-Advanced & Extra. If people honestly desire to communicate at higher speeds in that mode, special subbands can be established exactly for such purposes. Endorsements are another option. The no-code license is clearly the license of the future, because most people don't care about CW, any more than they care about using a Spark-Gap transmitter!

Far off in the future is the lure of space travel, of industrialization off-planet and the like. Communications plays a valuable part in all these endevours. Persons with skills in communications, in the technical phases of communication science will find their talents highly sought after. Much as the government welcomed Amateurs in times of war, to be the experts in communications, so in times of peace and expansion of humanity into space the governments will again turn to the Amateur ranks to find those persons active and interested in the art of communications. We are a valuable part of any future that we can visualize.

```
-Avatar-> (aka: Erik K. Sorgatz) KB6LUY          +-------------------------+
Citicorp(+)TTI                          *----------> panic trap; type = N+1 *
3100 Ocean Park Blvd. Santa Monica, CA  90405     +-------------------------+
{csun,philabs,psivax,pyramid,quad1,rdlvax,retix}!ttidca!sorgatz **
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR ITS MANAGEMENT!)
```

From 1793248420160204419
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cbce22e0b5a972da,start

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 15:51:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!swrinde!zaphod.mps.ohio-
state.edu!usc!rutgers!att!news.cs.indiana.edu!iuvax!news!cartan!ndmath!nstar!
w8grt!root
From: root@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: 2m J-pole antenna
Message-ID: <308.27361418@w8grt.fidonet.org>
Date: 5 Nov 90 23:51:11 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 45
Posted: Tue Nov  6 00:51:11 1990
```

```
 > From: rfc@briar.Philips.Com (Robert Casey)
 > Date: 5 Nov 90 02:49:39 GMT
 > Message-ID: <112036@philabs.Philips.Com>
 > Newsgroups: rec.ham-radio
 >
 > From my files:
 >
 > The following is a description of a J-Pole antenna made from 300 ohm
 > TV twin-lead.  Quite a few of the hams in the area have successfully
 > built one or more of these antennas. They have quite a few advantages
 > which include improved performance for 2-meter HTs, portability, and
 > last, but never least, they are inexpensive.
 >
 >                     |   | do not short this end.
 >                     |   |
 >                     |   |
 >                     |   |
 >                     |   |
 >                     |   |
 >                 54" |   |
 >                     |   |
 >                     |   |
                       |___| But DO short here!
 >                     |     1/4" gap
 >                     |   |
 >                     |   |
 >                     |   | 16 3/4"
 > coax ctr conductor=>*   *<= coax shield
 >                     |   |
 >              1 1/4" |   |
 >                      -*-
 >           solder the twin leads together at bottom
```

One way to make a twinead J-pole with greater mechanical strength is to slip the sucker inside a 6 ft piece of of PVC pipe and seal the ends.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!root
  |      _) INTERNET: root@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"


From -7119526287867583312
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62cf76082d3e814c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 16:40:30 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!tektronix!sequent!crg5!
crg8.sequent.com!washer
From: washer@crg8.sequent.com (Jim Washer)
Newsgroups: rec.ham-radio
Subject: Re: HR2510 Mods
Keywords: UNIDEN HR2510 10-METER
Message-ID: <20363@crg5.UUCP>
Date: 6 Nov 90 00:40:30 GMT
References: <2994@canisius.UUCP>
Sender: root@crg5.UUCP
Reply-To: washer@crg8.UUCP (Jim Washer)
Organization: Sequent Computer Systems, Inc
Lines: 18
Posted: Tue Nov  6 01:40:30 1990

Karl, Couldn't find you I the call sign database. Are you licensed?
>
>
>I have a Uniden HR2510, and I had a technician replace the driver, and
>final transistors.  It now does 10 Watts on AM dead key, and 40 Watts on Side
>Band (all are RMS readings).  I still would like more power.  Up here in
>Buffalo, 10 Watts AM, nor 40 Watts on sideband is still not enough to talk some
>skip.
>
>-------------------------------------------------------------------------------
>Karl J. Vesterling                                 vester@klaatu.canisius.edu
>716-634-1643 (Answering machine, Box 1)            milo@crash.cts.com
>Buffalo, NY                                        milo@pnet01.crash.cts.com
>


James Washer KG7HH
washer@sequent.com


From 8991530646274771121
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2631dd02572e2d70
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 17:04:59 PST
```

Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: Genderless pronoun: na
Message-ID: <1990Nov6.010459.674@informix.com>
Date: 6 Nov 90 01:04:59 GMT
References: <EF5525CFCB20601320@UCBEH.SAN.UC.EDU>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 43
Posted: Tue Nov 6 02:04:59 1990

This has nothing to do with Ham Radio, but since it was posted on the net ...

In English, the pronouns used to denote either male or female are "his" and "him". Yes, this is the same pronoun used to denote male. This is not sexist; it is simply the way the language's grammar works. To use the language correctly, you must use "his" and "him" for singular pronouns, not "he/she", "him/her", or "na".

Unfortunately, because of this lack of a neuter pronoun, most people make grammatical errors such as:

> Everyone should get their ham radio license.

"Their" is plural and "everyone" is singular, so this is an error. Some well-intentioned feminist-types do this:

> Everyone should get his/her ham radio license.

This is distracting for written English, and even worse for spoken English. (What should one say? "HIM SLASH HER", "HIS OR HER", or what?) Try reading a document that contains a lot of "his/her"s, and you will see what I mean. The author of the previous article talked about this:

> Everyone should get na ham radio license.

Huh? That would sure take getting used to, all right. No, sorry, the only acceptable form is:

> Everyone should get his ham radio license.

Like I say, no sexism is intended. I really believe that feminists could further their cause a lot better by spending time and energy on issues that really affect women, like day care, pre-natal care, equal pay for equal work, etc. Changing the English language would do nothing to help anyone.

--

```
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                          Informix Software, Inc.
Senior Programmer/Analyst, MIS                    uunet!pyramid!infmx!randall


From -4868469248026853426
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b4387f31195990d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 17:18:32 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!
agate!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: re Code & Other requirements
Message-ID: <7880342@hpfcdc.HP.COM>
Date: 6 Nov 90 01:18:32 GMT
References: <9010231256.AA05779@lonex4.radc.af.mil>
Organization: HP Fort Collins, Co.
Lines: 27
Posted: Tue Nov  6 02:18:32 1990

>>I take your point that CW may not be everyone's interest.  The
>>conclusion, however, does not follow that CW should not be an entry
>>requirement.  Think for a moment about what the CW requirement is, in
>>general terms:  it is a test of on-the-air procedures.  This sense has
>>been lost somewhat since the elimination of the transmitting test.
>
>What? One minute solid copy or answering 7 of 10 multiple guess questions
>on received text is a test of on-the-air procedures? I hope not!

There seems to be some variance among VEs on using essay vs multi-guess.
All of my code tests have been essay, and the answer had to be exactly
what was sent.


>>CW is probably more common to all amateurs than any other particular
>>mode.  One could argue that this is *because* of the international
>>CW requirement.  Yup, that's right.  Think of CW as having the same
>>function in amateur radio as American English has in the US.  It's the
>>"watering hole" where the packeteers can meet the FSTVers.
>
>CW is a MODULATION method not a LANGUAGE!

You see the trees, but miss the forest.  My point is that CW is the one
modulation method that everyone knows.  That, in itself, is a useful
function.

Perry


From -807933578709659926
X-Google-Language: ENGLISH,ASCII-7-bit
```

X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 17:30:26 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov6.013026.16556@NCoast.ORG>
Date: 6 Nov 90 01:30:26 GMT
References: <1990Oct30.203641.5283@athena.mit.edu> <535@chiton.ucsd.edu>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 49
Posted: Tue Nov 6 02:30:26 1990

In article <535@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:

```
+---------------
| Now here's something you can flame me for...I think the no-code attitude is
| selfish and arrogant. You want to change ham radio in ways that I think will
| destroy it.
+---------------
```

My desire to change ham radio in ways you think MIGHT be harmful is "selfish and arrogant", but your desire to keep it a closed clique of spark-gap worshippers is open and forward-looking?

PuhLEEEZE. I'm over here, a mere Technician, but working on integrating TCP/IP into the local packet network to improve packet for everyone including straight AX.25 users, and on getting young blood into the hobby, and you call me selfish and arrogant for wanting to remove an antiquated communication mode from the entry requirements. Of course, my efforts don't count because I don't do it all in CW at 35wpm, so I'm not a "real" ham, just a glorified CB'er. (heavy sarcasm off)

So what have *you* done to help us keep what remains of 220MHz lately, anyway?

```
+---------------
|             You may have the best of intentions, but I don't think you know
| and understand what has kept the hobby alive for the past fifty years. The
| deterioration of good operating procedures we all now hear on the bands is a
| direct result of the loss of the sense of fraternity and tradition that I still
| hear on CW.
+---------------
```

Funny, but the only place I hear lots of "in-your-face", as you put it later in your manifesto, is on HF. Including carrier-sweeping when I got my good HF rig back early and tuned in the Sweepstakes. Note that I'm talking about the *CW* contest! So much for "good behavior". The local folks on 2m, 220MHz (remember that? Once upon a time, it was a ham band), and 440MHz, both FM and packet, are by and large good folks who are willing to lend a hand to others and still know good behavior. It almost makes me thing that we should just leave HF to the CB'ers and suchlike and concentrate on the bands where one still finds common courtesy.

Luckily for you, I don't advocate such a course. And I *do* use CW. But I see no reason to force it down people's throats, just as I don't force packet down everyone's throats.

++Brandon
--
```
Me: Brandon S. Allbery               VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG              Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR               AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

From -3332769040882493836
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dbc71d275df35021,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 18:02:44 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!dali.cs.montana.edu!milton!uw-beaver!sumax!thebes!camco!maa
From: maa@camco.Celestial.COM (Mark Allyn)
Newsgroups: rec.ham-radio
Subject: Small Full Feature Rig
Keywords: IC 735 small light bicycle mobile
Message-ID: <247@camco.Celestial.COM>
Date: 6 Nov 90 02:02:44 GMT
Organization: Celestial Software, Mercer Island, WA
Lines: 10
Posted: Tue Nov 6 03:02:44 1990

I currently have an Icom IC-735 HF rig which was the smallest and lightest full feature HF rig available when I bought it about four years ago.

Is there anything that is still smaller and lighter than the IC 735? The rig is still a little heavier and bulker than I would ideally like for bicycle mobile use.

Thanks for your help!
Mark Allyn
!uw-beaver!camco!maa

From -408248151509676498
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 18:04:41 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!agate!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)

Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <7880343@hpfcdc.HP.COM>
Date: 6 Nov 90 02:04:41 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
Organization: HP Fort Collins, Co.
Lines: 18
Posted: Tue Nov 6 03:04:41 1990

Somehow, I have trouble swallowing the argument that 5 WPM code keeps the brightest minds out of Radio. A truly disciplined mind will recognize the CW requirement for what it is ("an interesting, but irrelevant baseband modulation example"), spend the 6 hours or whatever learning it, and then get on with being brilliant.

If the HF Olde Phartes want to be masochistic, let them. You don't need 13 or 20 CW for getting the bands needed for some cutting-edge work.

My personal opinion is that Hams haven't worked hard enough at promoting what the Amateur Service provides to the brilliant minds - a personal playground at real power levels and bandwidths. We have not shown how computers can "marry" radio, with interesting results.

Besides, computer hackers can make more money in their spare time by hacking computers than by using _Amateur_ (read "non-profit") Radio.

Perry / KF0CA

From 6660145780458089937
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,70349a65e74e70c2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 18:08:10 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!wuarchive!julius.cs.uiuc.edu!apple!agate!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: -9 V from +13.8 V
Message-ID: <7880344@hpfcdc.HP.COM>
Date: 6 Nov 90 02:08:10 GMT
References: <9010301359.AA00065@rtp40.dg.com>
Organization: HP Fort Collins, Co.
Lines: 6
Posted: Tue Nov 6 03:08:10 1990

You can make -9 from +13.8 by using an inverter. If the current requirements are not too much, it can be done with a PWM chip and a couple capacitors. Look in some of the power chip catalogs from TI/National/...

Perry

From -8862068305978350603
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b4387f31195990d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 18:24:19 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!agate!ucbvax!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: re Code & Other requirements
Message-ID: <7880348@hpfcdc.HP.COM>
Date: 6 Nov 90 02:24:19 GMT
References: <9010231256.AA05779@lonex4.radc.af.mil>
Organization: HP Fort Collins, Co.
Lines: 14
Posted: Tue Nov 6 03:24:19 1990

> You see the trees, but miss the forest. My point is that CW is the one
> modulation method that everyone knows.

You see the forest, but miss the gopher holes. :-)

I passed my test last June and I assure you that right now I, an active ham operator, do not know the CW modulation method. Or more precisely, I don't know Morse code well enough to make any practical use of it. So my taking the code test was only valuable (to me or anyone else) in one way: it enabled me to be licensed.

That sounds cynical, so let me be clear, I'm not *proud* of not knowing it any more, or anything like that. I just don't find it necessary or useful to know it. So naturally it has slipped away.

From -6983458824182286319
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3328cb8f55165106
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 21:34:40 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!nosc!crash!skipsand
From: skipsand@crash.cts.com (Skip Sanders)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters
Message-ID: <5473@crash.cts.com>
Date: 6 Nov 90 05:34:40 GMT
References: <1497@ke4zv.UUCP> <5326@qip.UUCP>
<1990Nov5.130815.24804@ux1.cso.uiuc.edu>
Organization: Crash TimeSharing, El Cajon, CA
Lines: 3
Posted: Tue Nov 6 06:34:40 1990

I don't believe that uncontrolled Autopatches are legal.. the rule involved is the one regarding THIRD-PARTY traffic, which is not legal under automatic control other than the exception for Digital above 50 MHz.

From -8293431378588123103
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a0fc12e15074c62
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 21:58:56 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!ncar!boulder!ramzi
From: ramzi@eclipse.Colorado.EDU (Ramzi Al-Majid)
Newsgroups: rec.ham-radio
Subject: HAM-RADIO BEGINNER INFO NEEDED
Message-ID: <29281@boulder.Colorado.EDU>
Date: 6 Nov 90 05:58:56 GMT
References: <9011012221.AA14017@tilde> <21017@ttidca.TTI.COM>
Sender: news@boulder.Colorado.EDU
Organization: University of Colorado, Boulder
Lines: 16
Posted: Tue Nov 6 06:58:56 1990
Nntp-Posting-Host: eclipse.colorado.edu

Hi,

I am interested in buying a ham to talk mainly to people in the persian gulf. Has anyone out there talked to people there, and if so, is the communication clear?. . What kind of equipment do I need. I am a beginner and don't know much about this. Any info is appreciated.

Thanks in advance.

--

Ramzi AlMajid   ramzi@boulder.Colorado.Edu
Computer Science Department Univ. of Colorado/Boulder
Campus Box # 430   Boulder, Co 80309-430

From 967173969173625384
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5edc238380a90a66,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 23:27:57 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!network.ucsd.edu!brent
From: brent@network.ucsd.edu (Brent Jones)
Newsgroups: rec.ham-radio
Subject: Abbreviation "QAM"
Message-ID: <3986@network.ucsd.edu>
Date: 6 Nov 90 07:27:57 GMT
Organization: Ich geh' kaput. Gehst du mit?
Lines: 6
Posted: Tue Nov 6 08:27:57 1990

While we're on the topic of origins of abbreviations such as VVV, does anyone know what the abbreviation "QAM" might stand for. It's sent in CW at the end of the television weather broadcast in Germany. Maybe it's just something the producers thought sounded pretty.

Brent

From 3772391626389516094
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,66016f879b641738,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 23:39:49 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!julius.cs.uiuc.edu!apple!agate!ucbvax!PUCC.PRINCETON.EDU!fire%vaxfi.decnet.cern.ch
From: fire%vaxfi.decnet.cern.ch@PUCC.PRINCETON.EDU (Pierfrancesco Caci)
Newsgroups: rec.ham-radio
Subject: JRC HF transceivers. 2
Message-ID: <9011060739.AA27725@dxmint.cern.ch>
Date: 6 Nov 90 07:39:49 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19
Posted: Tue Nov 6 08:39:49 1990

Hallo!
Is there anyone who knows the Japan Radio Company? Are their HF rtx worth buying? A friend of mine is interested in model jst-135... I'm wondering why there was an almost-new one in the used-gear-window, just a few weeks after I got the brochure (...is it brochure the correct term for those papers full of photo's and good performances? ;-)).

ciao de IK5*** (why shall we wait
so long to get the
call-sign? :'-( )

Pierfrancesco
bitnet &   (fire@vaxfi.decnet.cern.ch
internet   (fire@vaxfi.infn.it
decnet   39331::FIRE

ignore the following...

secondo messaggio mandato a 'ham:'

From 3128607605390440739
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd4057e78fc0fb0d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 23:45:55 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!udel!

rochester!cornell!uw-beaver!sumax!quick!amc-gw!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: T2FD Antenna
Summary: broadband antenna
Message-ID: <502@ssc.UUCP>
Date: 6 Nov 90 07:45:55 GMT
References: <0D1186C0A47F6084C5@OBERLIN.BITNET>
Organization: very little
Lines: 65
Posted: Tue Nov 6 08:45:55 1990

In article <0D1186C0A47F6084C5@OBERLIN.BITNET>, FZINN@OCVAXA.CC.OBERLIN.EDU writes:

> Does anyone on the list recall an antenna from the 1950s called a "T2FD". I
> used one successfully but that was years ago and I do not have the specs.
> As I recall it came from CQ or QST. It was a wide-spaced folded "dipole"
> with a load resistor. THanks for any useful information and esp. for
> specs.
> Grover Zinn
> ex-W5vyu

I went to my collection of old CQ magazines, and found some of the original articles by G.L. Countryman, W3HH.

Basically it is a sloping folded dipole with a terminating resistor opposite the center feedpoint. You can think of it as a squashed rhombic turned on end. It is non-directional and operates over a 5;1 frequency range.

The original article is in QST, June 1949. There were several follow-up articles in CQ, and I found some in November 1951 CQ and February 1953 CQ.

The length from end-to-end in feet is 328/MHz for the lowest frequency. Of course, the total wire length is twice this.

The spacing between the wires is 9.84/MHz for the lowest frequency.

The sloping angle should be about 30 degrees.

The terminating resistor should be non-inductive, and have a rating equal to 35% of the transmitter power. It should be slightly higher in value than the impedance of the line in ohms. The author recommends 650 ohms for 600 ohm feeders, 500 ohms for 450 ohm line, and 390 ohms for 300 ohm line. Instead of a resistor, you can use a shorted parallel line of resistance wire (!) running away from the antenna.

It is fed with 600 ohm balanced line.

It is called the T2FD, or "Tilted Terminated Folded Dipole".

I think Bill Orr may have written about it a few years ago in his column in Ham Radio Magazine.

Has anyone used this antenna? They sure raved about it in the 1950s. I wonder if that B&W broadband antenna that is fed against ground at one end, and is terminated against ground at the other, may be electrically similar?

Also, I wonder if a Zepp (non-resonant dipole) with balanced feeders and a tuner might have just as much bandwidth, but without the loss of the terminating resistor?

When this article was written, 600 ohm balanced outputs were common in ham gear, and they didn't operate over wide impedance ranges like the antenna tuners that we use today, so this might explain why this antenna was so popular.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 7126518794065895377
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3328cb8f55165106
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 00:33:36 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!wuarchive!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!news.cs.indiana.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters
Message-ID: <1990Nov6.083336.17831@ux1.cso.uiuc.edu>
Date: 6 Nov 90 08:33:36 GMT
References: <LURU.90Oct27221929@stekt.oulu.fi> <27080021@col.hp.com>
Organization: University of Illinois at Urbana
Lines: 27
Posted: Tue Nov 6 09:33:36 1990

bobw@col.hp.com (Bob Witte) writes:
> Many areas of US now recognize the need for a mixture of local
> repeaters and wide area repeaters. Users are encouraged to
> use the local machines unless they really need the range
> of the wide area machine.

>>What would you say is an average working range of a typical repeater
>>in Ohio, or any other place with flat terrain?

> It's been a while since I lived in the flatlands, but I would guess
> about 30 miles radius.

With a mixture of local and wide area, the range is often just as
varied. Wide area repeaters also often, but not always, extend their
range with extra receive sites, or linking with other repeaters.

From my parents home, I can hit a Columbus Ohio machine via its
Portsmouth receiver 45 miles away.

Repeaters such as the 145.250 machine in Indianapolis have quite
a range of over 100 miles. There are extra receivers but only one
transmitter on the one frequency. It also has a couple of links to
other repeaters on other frequencies. Owned by WA8VZY.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 8546923840503429382
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e1d90050ce2a054f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 01:35:46 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!wuarchive!mit-eddie!bloom-beacon!athena.mit.edu!jewell
From: jewell@athena.mit.edu (Darrin B Jewell)
Newsgroups: rec.ham-radio
Subject: request for IC-2SAT mods
Keywords: icom 2sat mods ht
Message-ID: <1990Nov6.093546.4354@athena.mit.edu>
Date: 6 Nov 90 09:35:46 GMT
Sender: daemon@athena.mit.edu (Mr Background)
Reply-To: jewell@athena.mit.edu (Darrin B Jewell)
Organization: Massachusetts Institute of Technology
Lines: 16
Posted: Tue Nov 6 10:35:46 1990

i have been following the net closely for mods for my ic2sat
and have had rather little success. I have seen a lot of
mods for the ic24sat, but they don't do me much good. If
anyone knows any mods, (either internal or some sort of
external reset) i'd appreciate it if they could be e-mailed
to me. Perhaps they should be posted to the net as well.
My ic-2sat is a fairly early serial number (at least
pre 010000).

thanks for your help
darrin jewell
4 ames street
cambridge, ma 02139
617-225-6779

jewell@athena.mit.edu

From 8114274538136349004
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,808645906e8d3fb9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 03:52:59 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!zaphod.mps.ohio-state.edu!wuarchive!husc6!m2c!umvlsi!umaecs!scott
From: scott@ecs.umass.edu
Newsgroups: rec.ham-radio
Subject: CW Contests and "artificialaids"
Message-ID: <11334.2736a41c@ecs.umass.edu>
Date: 6 Nov 90 11:52:59 GMT
Lines: 14
Posted: Tue Nov 6 12:52:59 1990

Re: Sweepstakes. There seemed to be lots and lots of cw in the RTTY and AMTOR segments. I realize that 14.070 to 14.090 (and similar segments in the 15m and 10m bands) are for the digital modes only by "gentlemen's agreement" (sorry about gender insensitivity). I know that by the letter of FCC LAW cw can be sent anywhere on the band. But I think that it would be nice for all concerned if people would observe the various "mode segments" of the bands. Otherwise, why should I stay confined to such a small 10kHz (AMTOR) segment? Why can't I send AMTOR and/or Baudot RTTY down at 14.025-14.070? I would like to do that a lot.

Any comments from the cw fans?

It seems to me what's good for the goose...........

Cheers,
Don

From 7802676537796062617
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c59af3ea4e5cc927,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,c59af3ea4e5cc927,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-11-06 05:25:05 PST
Path: gmdzi!unido!mcsun!ukc!pyrltd!root44!praxis!mikec
From: mikec@praxis.co.uk (Michael Chace)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Looking for DB2OS, DC4OX and NORD<>LINK
Message-ID: <MIKEC.90Nov6132505@hilbert.praxis.co.uk>
Date: 6 Nov 90 13:25:05 GMT
Sender: mikec@praxis.co.uk
Organization: PraXis Systems plc, Bath, Avon UK
Lines: 20
Xref: gmdzi rec.ham-radio:16564 rec.ham-radio.packet:3002
Posted: Tue Nov 6 14:25:05 1990

X-Mailer: GNU Emacs VM

Hello!

Does anyone have an email address for Peter DB2OS or Michael DC4OX or
other NORD<>LINK members. I'm sure I've seen them about on the net!

Schrieb mal in Deutsch!

73,

Mike
****
```
.............................................................................
|                                                 | Michael Chace            |
| e-mail   :  mikec@praxis.co.uk                  | PraXis Systems           |
|                                                 | Manvers Street           |
| AMPRNET:  g6dhu@g6dhu.ampr.org   [44.131.20.3]  | Bath,  Avon              |
| AX.25  :  G6DHU @ G6DHU-2 or G6DHU @ GB7SDN     | BA1 1PX          UK      |
| Phone  :  (44) [0]225 444700                    |                          |
.............................................................................
```

From -8300967136370213831
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8484e08598c04bf2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 05:45:42 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!funic!santra!puukko.hut.fi!s36572u
From: s36572u@puukko.hut.fi (Karl R. Tigerstedt)
Newsgroups: rec.ham-radio
Subject: Re: NASA Prediction Bulletin Format
Message-ID: <1990Nov6.134542.2884@santra.uucp>
Date: 6 Nov 90 13:45:42 GMT
References: <9011051510.AA28371@blackbird.afit.af.mil>
Sender: news@santra.uucp (Cnews - USENET news system)
Reply-To: s36572u@puukko.hut.fi (Karl R. Tigerstedt)
Organization: Helsinki University of Technology, FINLAND
Lines: 12
Posted: Tue Nov 6 14:45:42 1990

Please send the actual keplerians, since I believe they are of greater value to the amateur radio society than the 2-line format description.
Why has the posting of keplerians lately ceased? A couple of months ago we still received regular postings...

Keep up the good work, continue posting !

"I have only come here seeking knowledge.
 Things they would not teach me of in college"   - The Police

*** Karl Tigerstedt , email s36572u@puukko.hut.fi ***

From 5943136134289891137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 06:01:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!rutgers!ucsd!pacbell.com!ames!uhccux!uhunix1.uhcc.Hawaii.Edu!johns
From: johns@uhunix1.uhcc.Hawaii.Edu (John P. Shalamskas)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <10182@uhccux.uhcc.Hawaii.Edu>
Date: 6 Nov 90 14:01:20 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp> <7880341@hpfcdc.HP.COM>
Sender: news@uhccux.uhcc.Hawaii.Edu
Organization: University of Hawaii
Lines: 24
Posted: Tue Nov 6 15:01:20 1990

In article <7880341@hpfcdc.HP.COM> ajs@hpfcdc.HP.COM (Alan Silverstein) writes:
>It seems to me (based on my experience) that if a code requirement keeps
>even ONE otherwise qualified person from becoming a ham, it is a
>mistake, a disservice to the service. (So far, does that make sense?)
>
              (...)
>
>(Just like having to memorize information you SHOULD look up rather than
>trust to memory. But that's a different gripe.)

Argh!   Come ON! 5 words per minute is so ridiculously easy to learn...

America is suffering a decline because too many people are getting fat and lazy. It is really no big deal to learn 5 WPM CW. Instead of learning it over the course of a few evenings, however, too many people spend all kinds of energy trying to lower the standards.

I say "More is not necessarilly better." Lowering standards that are already low is no solution, unless you LIKE Citizens Band.

John, KJ9U (Extra Class since High School.)

From 2563151122722441388
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fa6c79567cc81b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 06:53:11 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!hp-pcd!

hplabs!hpcc05!aspen!hpcuha!jimallen
From: jimallen@hpcuha.cup.hp.com (Jim Allen)
Newsgroups: rec.ham-radio
Subject: Hallicrafters SX-16
Message-ID: <32700003@hpcuha.cup.hp.com>
Date: 6 Nov 90 14:53:11 GMT
Organization: Hewlett Packard, Cupertino
Lines: 21
Posted: Tue Nov 6 15:53:11 1990

I just got a very nice Hallicrafters
SX-16. It's complete and probably
working. It is fairly dirty inside.
The lettering on the outside is kinda
brown looking.

I have a couple of questions for
you collectors out there.

1. I'm assuming that the lettering
   should be white. Am I correct?

2. What should the finish look like
   on the inside chassis and the transformers, etc.?

3. Whats a quick way to clean the metal
   surfaces inside the cabinet?

Thanks,

Jim Allen

From 3632065280410926590
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8947da0d6e77d4f2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 06:58:49 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!hplabs!hpda!hpcupt1!tomg
From: tomg@hpcupt1.cup.hp.com (Tom Graham)
Newsgroups: rec.ham-radio
Subject: Re: T33X
Message-ID: <7120146@hpcupt1.cup.hp.com>
Date: 6 Nov 90 14:58:49 GMT
References: <8219@gollum.twg.com>
Organization: Hewlett Packard, Cupertino
Lines: 11
Posted: Tue Nov 6 15:58:49 1990

I don't know about T33X, but last night (Monday, 5 OCT) at 0018Z
T33WV was on 10 meters at 28.495 running simplex. He said his QSL
route was his home call of DK2WV.

Also on 10 meters was C21NI on 28.485 at 0000Z first running split up 5 then later on running simplex. This is Kiyoko and she is doing the same fine effort here as on ZK1, ZK2, ZK3, and any others I may have missed.

Tom Graham N6WLF   tomg@hpcupt1.cup.hp.com
Hewlett-Packard Cupertino CA

```
From -18936631596723677
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,54ad565dd3294f78,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 08:15:50 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!hplabs!
hpda!hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: CW Contests and "artifical aids"
Message-ID: <7120147@hpcupt1.cup.hp.com>
Date: 6 Nov 90 16:15:50 GMT
References: <1990Nov5.191655.27316@tandem.com>
Organization: Hewlett Packard, Cupertino
Lines: 21
Posted: Tue Nov  6 17:15:50 1990
```

I can copy well in the 20-22 wpm range for QSO's and was able to handle the contest exchange in the 25 wpm range. Some of the operators slowed down to my calling speed with out my asking, others put up with my requests for repeats and a couple real fast ones responded to my QRS with out a comment and gave me the QSO. I did notice that when some of the real fast fellas slowed down they got a series of calls, but soon as they increased there speed the calls slowed down. If a given operator is too fast, try QRS, many will respond at a slower speed that matches your sending speed. Key point - send at a speed you can receive! Don't feel bad, this was my first real serious attempt in a CW contest and I just bearly made my PIN.

I don't think a machine is a practical way to copy code during the contest. I did however feel that a number of operators were using CT or NA for logging and replies. The 4-5 sec delay after I called before they came back seemed like my call was being checked in the computer. I really don't see a problem with using the computer or a memory keyer for the replies, except it tends to increase the operating speeds. Certainly for the logging chores, a computer is the ONLY way to go.

73's
Jim, WA6SDMJim, WA6SDM

```
From -5123423445834964564
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6cd28f64ea1e4a2,start
```

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,c6cd28f64ea1e4a2,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-11-06 09:07:38 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!cica!
news.cs.indiana.edu!news!cartan!ndmath!nstar!w8grt!root
From: root@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio.packet,rec.ham-radio
Subject: Questions, questions, questions
Message-ID: <310.273701E0@w8grt.fidonet.org>
Date: 6 Nov 90 17:07:38 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 22
Xref: gmdzi rec.ham-radio.packet:3012 rec.ham-radio:16624
Posted: Tue Nov 6 18:07:38 1990

I wish to ask a fundamental question. Why are there so many questions on this newsgroup (and the Fidonet HAM and PACKET echoes) on "How do I plug in the power cord?" or "Why isn't the documentation more specific on whether the machine screws tighten clockwise or counter clockwise?"

When I was a baby ham, almost the only documentation was the circuit diagram. We studied that. Maybe poked around "The Handbook", and then tried it. If it smoked, plunged the whole block into darkness, or made the cat's tail stand up straight, we knew we were headed in the wrong direction. If some Old Fart said, "There's a lid tuning up on the frequency", we knew it was "getting out".

Come on, guys, take a chance. Live a little.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!root
  |     _) INTERNET: root@w8grt.fidonet.org
  | ,___|  ___________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From -7393459086998938300
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 09:21:34 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!wuarchive!zaphod.mps.ohio-state.edu!
pacific.mps.ohio-state.edu!linac!midway!ellis.uchicago.edu!pbhx
From: pbhx@ellis.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov6.172134.29539@midway.uchicago.edu>
Date: 6 Nov 90 17:21:34 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp> <7880341@hpfcdc.HP.COM>

Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 24
Posted: Tue Nov 6 18:21:34 1990

In article <7880341@hpfcdc.HP.COM> ajs@hpfcdc.HP.COM (Alan Silverstein) writes:

>
>So it seems clear to me that it's an improper REQUIREMENT. Regardless
>of how easy it is to learn, regardless of how nice or fun or efficient
>it is, if it's not something you must know to be a successful ham and
>to contribute to the hobby, it's an improper requirement.
>

Alan, the unfortunate thing is that it is required by international agreement for work on the HF bands. However, what is NOT required by that agreement is speed above 5 wpm. Since we HAVE to have code for HF, we should test ONLY at 5 wpm. If people think it would be nice to show greater proficiency than 5 wpm, let's roll that into the written exam process by adding questions to the written. I.e., let's add 5 code questions to the extra, increasing the questions asked to 55 and the passing score to 41. That way, if you fail the five code questions, you don't fail the test.

--

Peter B. Hayward   N9IZT/AE
University of Chicago Computing Organizations

From -1770612014054868594
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62cf76082d3e814c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 09:46:55 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!
ncar!midway!ellis.uchicago.edu!pbhx
From: pbhx@ellis.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: Re: HR2510 Mods
Keywords: UNIDEN HR2510 10-METER
Message-ID: <1990Nov6.174655.244@midway.uchicago.edu>
Date: 6 Nov 90 17:46:55 GMT
References: <2994@canisius.UUCP> <20363@crg5.UUCP>
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 29
Posted: Tue Nov 6 18:46:55 1990

In article <20363@crg5.UUCP> washer@crg8.UUCP (Jim Washer) writes:
>Karl, Couldn't find you I the call sign database. Are you licensed?
>>

>>
>>I have a Uniden HR2510, and I had a technician replace the driver, and
>>final transistors. It now does 10 Watts on AM dead key, and 40 Watts on Side
>>Band (all are RMS readings). I still would like more power. Up here in
>>Buffalo, 10 Watts AM, nor 40 Watts on sideband is still not enough to talk some
>>skip.
>>
>>---
>>Karl J. Vesterling   vester@klaatu.canisius.edu
>>716-634-1643 (Answering machine, Box 1)   milo@crash.cts.com
>>Buffalo, NY   milo@pnet01.crash.cts.com
>>
>

1) This posting from Jim questioning Karl's right to be on the air
belongs in email rather than in rec.ham-radio.

2) When you sign on to the call sign data base, it tells you that the
data is as of 9/89. You wouldn't find me in there either as I received
my first license in 10/89.

--

Peter B. Hayward   N9IZT/AE
University of Chicago Computing Organizations

From -6723307042195532391
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e936293d2fd4f623,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 10:10:42 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!voder!pyramid!
weitek!jetsun!johnm
From: johnm@jetsun.weitek.COM (John Mcleod)
Newsgroups: rec.ham-radio
Subject: Antenna remote location
Keywords: antenna, remote
Message-ID: <950@jetsun.weitek.COM>
Date: 6 Nov 90 18:10:42 GMT
Organization: WEITEK Corporation, Sunnyvale CA
Lines: 11
Posted: Tue Nov 6 19:10:42 1990

I have a housing site in the hills which affords the use of hill
behind the site which is about 4-500 feet higher, which is also part
of my land. I would like to place my antenna at the top of this hill.
The horizontal distance is about 200 feet. The problem of course,
is connecting the radio to the antenna. Cable sounds too expensive.
Has anyone on the net had any experience or thoughts to relate on
this problem (radio links, remote transmitters, etc ?). Thanks in

advance.

- John

From 8790003556232647766
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fa77141fb9697821,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 10:13:59 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!mikemr
From: mikemr@microsoft.UUCP (Michael MRAZ)
Newsgroups: rec.ham-radio
Subject: VVV VVV VVV
Message-ID: <58842@microsoft.UUCP>
Date: 6 Nov 90 18:13:59 GMT
Organization: Microsoft Corp., Redmond WA
Lines: 9
Posted: Tue Nov 6 19:13:59 1990

Back in the old days, when us olde phartes had to take our tests at the
FCC field office, my elmer gave me some advice on how to make the
code test a little easier. I was going for my Advanced (13WPM) and
he said, "Be sure to copy EVERYTHING, including the VVV VVV at the
beginning of the test, because it counts toward the 1 perfect minute."
I thought he was BSing me, but he was adamant. So, at the test, the
FCC examiner starts the code machine, and sure enough, "VVV VVV VVV"
was there! Nine characters out of 65 (13WPM x 5 char/word)! Already
got 14% of the first perfect minute!!! YAHOOO!!!!!!!!!

From 3201202761120995464
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2a4a6504f74729b3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 10:32:45 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!udel!princeton!twg.com!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: Re: PRBWON still fighting.
Message-ID: <8229@gollum.twg.com>
Date: 6 Nov 90 18:32:45 GMT
References: <1756.27304fd0@iccgcc.decnet.ab.com>
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 75
Posted: Tue Nov 6 19:32:45 1990

In article <1756.27304fd0@iccgcc.decnet.ab.com> macmillan@iccgcc.decnet.ab.com writes:
>

>   Henry Black (G4NOC,KK6JR) inquired;
>
>>Please could you post a brief summary of what this has cost you in
>>time and money so far.
>
>At last count it was about $6,500 on the day BEFORE the depositions
>and that added another $1,500 ++. I still owe some of it but Bob (W2THU,
>League consul) has been very gracious about waiting for it. All but a
>hundred or so has been out of our pockets (WD8EHL--XYL).
>
>We have been at this for 4 years as of yesterday. Three in federal court.
>
>There are a few volunteer trustees waiting to open the fighting fund
>if we don't recover expenses. We hope to find out any day now.
>We will let you know via QST and ARRL letter etc.
>
>   There are no special circumstances in this case.
>   The city has an ordinance allowing towers up to
>   --- SIXTY FEET ---
>   I checked that out before we bought the place.
>   What they didn't tell us was that the neighbors
>   had the last word on the permit.
>
>   The permit was denied because;
>   a) it would impact property values of the entire
>   community regardless of its height.
>   (30 ft. at a 29.1 ft. setback)
>
>   b) I didn't need it to develop   my property.
>   (Never mind the other dishes, towers
>   and beam antennas in town - 6 or so , some non-hams)
>
>We do this for all of Ham Radio. All for one and one for all.

Let me add my voice to what I hope is a choir of congratulations on your successful challenge. I'll be following this one closely to see if perhaps there is a court precedent you have won that I can use.

A little over a year ago I went through 3 planning commission hearings and a city council appeal on my application for a 65' tower. The circumstances were identical to yours. The city has a ordinance which is not in gross violation of PRB-1 (max height of 65' permitted with setbacks, etc.). Everything in my application was precisely consistent with the zoning ordinance, and I even have a letter from the city planning director to that effect. HOWEVER, the planning department required a public hearing before they would grant a permit. Two neighbors complained. The finding was that:
- the zoning ordinance states that "conditions may be imposed upon the issuance of a building or use permit to mitigate the visual impact...";
- the planning commission, which was later upheld by the city council, interpreted this as "it is required that steps be taken to mitigate the visual impact";
- per the judgement of the planning commission and the city council, I had not taken adequate steps to mitigate the visual impact;

 - therefore I was not in compliance, and the request was denied.

I could never get anybody to volunteer anything about what would be an adequate step to mitigate the visual impact. I offerred to put the antenna anywhere on my 1 acre lot they wanted, and even offerred to reduce the height requested. In the end, it was "make a specific proposal and we'll tell you if it passes". I made 3, and none did. Exactly the same as in the situation you just fought, it boiled down to the question of take years and many $K to fight it or just throw in the towell. I chose to fold and come back another day; you chose to put your money on the line. Your willingness to take a stand and risk your money will probably help me in my next attempt as well as every other ham who runs into local governments that want to ignore PRB-1 because they are banking on our unwillingness to fight it in court. If you'll post an address for people to send a contribution for your fight, I'd sure like to be the first to get my check there. Thanks for going to bat for all of us.

AA6KX

P.S. Did you ever try serious DXing/contesting with a 14' boom up 30'? It stinks.

From -7763224318497561504
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62cf76082d3e814c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 10:35:34 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: HR2510 Mods
Summary: "shoot some `skip' "
Keywords: UNIDEN HR2510 10-METER
Message-ID: <505@ssc.UUCP>
Date: 6 Nov 90 18:35:34 GMT
References: <2994@canisius.UUCP>
Organization: very little
Lines: 35
Posted: Tue Nov 6 19:35:34 1990

In article <2994@canisius.UUCP>, vester@canisius.UUCP (Karl Vesterling) writes:

```
>
>    I have a Uniden HR2510, and I had a technician replace the driver, and
                                    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
> final transistors.  It now does 10 Watts on AM dead key, and 40 Watts on Side
> Band (all are RMS readings).  I still would like more power.  Up here in
> Buffalo, 10 Watts AM, nor 40 Watts on sideband is still not enough to
 talk
 some
> skip.
^^^^^^^^
>
  I don't want to use a linear amplifier because
```

> I have had them, and they come over the neighbors cooking utensils, and vast
> other appliances.
>

(Really, a linear amplifier in the output will give you a lot less
grief than a non-linear amplifier. Unless you want to use it for FM
or CW only....then Class C is just fine.)

Ummmm....I hope this isn't rude, but is this guy a licensed ham? Something
about having a technician modify the radio so he could "talk some skip"
has me wondering.....

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 6232540074579683485
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20b648d13d40bab8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 10:56:10 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Re: Magnetic Loop Antennas
Message-ID: <4358@altos86.Altos.COM>
Date: 6 Nov 90 18:56:10 GMT
References: <1594@csisles.Bristol.AC.UK> <4327@altos86.Altos.COM> <46208@apple.Apple.COM>
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 26
Posted: Tue Nov 6 19:56:10 1990

In article <46208@apple.Apple.COM> kchen@Apple.COM (Kok Chen) writes:
}jerry@altos86.Altos.COM (Jerry Gardner) writes:
}
}>In article <1594@csisles.Bristol.AC.UK> raina@CompSci.Bristol.AC.UK (Sanjay Raina) writes:
}>}frequently), it seems to be ideal for DXing, which I miss at the moment.
}>}CAP. CO claims that as compared to a beam 60 to 80 ft long, thir antenna
}>}is only 1 to 1.5 S units down on 20/15/10 metres.
}>}   ^^^^^^^^^^^^^^^^^^^^^
}

}>If you believe this, I've got some beach-front property on Mercury you may
}>be interested in...
}
}
}The claims are a little farfetched, I agree; but not *that* farfetched,
}IMHO. Notice he mentioned 4m (!) of space. Heck, that is 0.2 lambda
}at 20 meters. Notice that the ad emphasized the size of beams by saying

A lot more than a little farfetched... A 20 meter beam with a 60-80 foot
boom has a *lot* of gain, we're talking about perhaps 15dB or more.

--
```
Jerry Gardner, NJ6A                          Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos!jerry   2641 Orchard Parkway
Internet: jerry@altos.com                    San Jose, CA  95134
Guns don't kill people, bullets do.                    (408) 432-6200
```

From -5199936437883568973
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8947da0d6e77d4f2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 11:22:19 PST
Path: gmdzi!unido!mcsun!uunet!cadence!jdm
From: jdm@cadence.com (Joe Mastroianni)
Newsgroups: rec.ham-radio
Subject: Re: T33X
Message-ID: <1990Nov6.192219.22975@cadence.com>
Date: 6 Nov 90 19:22:19 GMT
References: <8219@gollum.twg.com>
Sender: Joe Mastroianni AA6YD
Organization: Cadence Design Systems, Inc.
Lines: 24
Posted: Tue Nov 6 20:22:19 1990

In article <8219@gollum.twg.com> sawyer@twg.com (Bruce B. Sawyer) writes:
>Sunday there was an operation on claiming to be T33X, and I'd sure like to
>know if anybody has information about whether this one was legitimate. From
>my QTH it came at the right beam heading, but the fishy thing about this was
>that just while HK0TU was running a big pile-up at 21.025, the purported T33X
>came on 21.023 saying "up 1". The results were predictable--he put a pile-up
>right on top of HK0TU. I'm inclined to think this was just one of the more
>creative ways of jamming I've encountered recently. I know that SM7PKK et al
>are supposed to show up today as T33R and T33T, but I haven't heard anything
>about a T33X operation. Any info would be appreciated.
>   AA6KX

I worked this guy on 10M CW about an hour before he showed up on 15M
es started QRMing the HK0TU operation. Given the fact that the signal
strength of the HK0 was not so hot in CA, presumably a few thousand miles
closer than Banaba Is., I'd be willing to believe he couldnt hear the HK0.

Though....he should have been able to get a sun-tan from all of the RF from the pileup 5KC up ! So, maybe he had no excuse. Some DX'ers on the KN6J DX packet node thought they knew his home call. DJ6??? if I recall.

73 es all that ham stuff

Joe AA6YD jdm@cadence .com

From 1398624822745183324
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5edc238380a90a66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 12:03:52 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!cmcl2!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: Abbreviation "QAM"
Message-ID: <6kD9R11w163w@phoenix.com>
Date: 6 Nov 90 20:03:52 GMT
References: <3986@network.ucsd.edu>
Organization: One Man Brand
Lines: 33
Posted: Tue Nov 6 21:03:52 1990

brent@network.ucsd.edu (Brent Jones) writes:
> While we're on the topic of origins of abbreviations such as VVV, does
> anyone know what the abbreviation "QAM" might stand for. It's sent in

From Allied Communication Publication (ACP) 131(C), "Communication Instructions - Operating Signals" --

	Question	Answer,advice or order
QAM -	What is the latest meteorological observation for _____ (place).	Meteorological observation made at _____ (place) at ____ hours was as follows....

> CW at the end of the television weather broadcast in Germany. Maybe
> it's just something the producers thought sounded pretty.

Should be at the front.

ACP 131(C) is the handbook for Allied forces concerning the usage of Q and Z signals. Some of the more interesting ones -- QBF (Are you flying in cloud?), QRU (Have you anything for me?), QRZ (Who is calling me?), and ZBF (For the following message use large message forms).

```
<> "Aneth!  That's a charming place!" "You've been to Aneth?"
<> "Yes, but not yet." -- The Doctor and Seth, "The Horns of Nimon".
><
<> "Sanity check!" "Sorry, we can't accept it, it's from out of state." - me
```

```
From 1901881321895757909
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20b648d13d40bab8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 12:13:56 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!hplabs!
hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Magnetic Loop Antennas
Message-ID: <1250262@hpnmdla.HP.COM>
Date: 6 Nov 90 20:13:56 GMT
References: <1594@csisles.Bristol.AC.UK>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 19
Posted: Tue Nov  6 21:13:56 1990
```

```
>  It makes sense for a 1/4 wave magnetic antenna to work like a 1/4 wave
<  electric one.  But 4 meters isn't exactly "1/4 wave"!  I don't remember
<  if theoretic efficiency goes proportional to size or proportional to the
<  square (which would give you either the claimed 1.5 S units or twice that).
<  In any case, small antennas have low impedance and consequently high
<  resistive losses, which are going to make things look worse than theoretical
>  efficiencies.
```

For small loop antennas, radiation resistance is proportional to the square of the loop area. This is proportional to the FOURTH POWER of the loop diameter.

For short dipoles, the radiation resistance is proportional to the SQUARE of the length. Short dipoles have higher radiation resistance than small loops of similar size (less than about .1 wavelength max dimension).

On the other hand, it's much easier to get a low-loss match to a loop since no loading coil is needed.

AL N1AL

```
From -9144781372450554236
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62cf76082d3e814c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 12:30:06 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!hplabs!hpl-opus!
hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
```

Newsgroups: rec.ham-radio
Subject: Re: HR2510 Mods
Message-ID: <1250263@hpnmdla.HP.COM>
Date: 6 Nov 90 20:30:06 GMT
References: <2994@canisius.UUCP>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 23
Posted: Tue Nov 6 21:30:06 1990

In rec.ham-radio, vester@canisius.UUCP (Karl Vesterling) writes:

I have a Uniden HR2510, and I had a technician replace the driver, and
final transistors. It now does 10 Watts on AM dead key, and 40 Watts on Side
Band (all are RMS readings). I still would like more power. Up here in
Buffalo, 10 Watts AM, nor 40 Watts on sideband is still not enough to talk some
skip.

I have heard of people getting 90 Watts out of this radio RMS sideband,
but I have no idea on how to do it. Dual finals? Maybe, but I thought I'd ask
you if you knew anything about this, or had some hints. Please don't send me
mail saying, "Get a Ranger". I don't want to use a linear amplifier because
I have had them, and they come over the neighbors cooking utensils, and vast
other appliances.

Any help would be appreciated, even a phone number!

You could try a device I once saw advertised in a CB magazine. It basically
was a voltage step-up transformer you connect between the radio and the
power line.   :-)

AL N1AL

From 1072070515728307472
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 12:32:12 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!apple!bionet!synoptics!jkaidor
From: jkaidor@synoptics.COM (Jerome Kaidor)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <22069@mvis1.com>
Date: 6 Nov 90 20:32:12 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Nov4.015738.13603@bellcore-2.bellcore.com> <501@ssc.UUCP>
Organization: SynOptics Communications Inc. Mountain View, Ca.
Lines: 18
Posted: Tue Nov 6 21:32:12 1990

In article <501@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>In article <1990Nov4.015738.13603@bellcore-2.bellcore.com>,

```
karn@envy..bellcore.com (Phil Karn) writes:
>> In article <9294@b11.ingr.com> herbster@b11.ingr.com (Joe Herbster) writes:
>> > so why should i use more spectrum than is necessary to have a casual
>> > conversation??
>>
>> I agree. I assume you have and use a 24-Hz filter when working CW at
>> 20 wpm?
>>
>Phil has obviously never worked CW outside of the lab, using REAL ham
>gear in the REAL world.
>
    I believe that such bandwidths are attainable using "Coherent CW",
e.i. equipment phase-locked at both ends, receivers sampling at
precise "CW-BIT" times, etc... Has anyone here had experience with
such?

   - Jerry Kaidor, KF6VB



From 1813604902587317319
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,54ad565dd3294f78
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 12:38:23 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!apple!agate!ucbvax!hplabs!hpl-
opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: CW Contests and "artifical aids"
Message-ID: <1250264@hpnmdla.HP.COM>
Date: 6 Nov 90 20:38:23 GMT
References: <1990Nov5.191655.27316@tandem.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 6
Posted: Tue Nov  6 21:38:23 1990

I can copy 40 wpm comfortably in my head, maybe 50+ wpm with difficulty,
but there are still a few contest stations that are too fast for me
(KH6IJ is one that comes to mind).  I have to resort to listening to him
do 2 or 3 exchanges so I can get the exchange correct before I work him.

AL N1AL



From -4015599507617004556
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 13:26:06 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
```

Summary: ?????
Message-ID: <506@ssc.UUCP>
Date: 6 Nov 90 21:26:06 GMT
References: <9217@b11.ingr.com> <1990Oct28.185659.11837@NCoast.ORG>
<1990Nov5.083824.25723@ux1.cso.uiuc.edu>
Organization: very little
Lines: 50
Posted: Tue Nov 6 22:26:06 1990

In article <1990Nov5.083824.25723@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu (Phil
Howard KA9WGN) writes:
> tad@ssc.UUCP (Tad Cook) writes:
> >In article <1990Nov2.023950.2868@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu (Phil
Howard KA9WGN) writes:
> > Top that off with the fact that
> >> we pretty much know all there is to know about HF propogation and the
> >> challenge is gone.
> >>
> >>

You might as well say, "we pretty much know all there is to know about
physics."
>
> >Haw! For me, observation of HF propagation is one of the most fascinating
> >aspects of the hobby.
>
> >Remember that this comment from phil comes from a Technician class licensee who
> >only works VHF.
>
> We know what happens in the ionosphere.

We DO?!? Maybe YOU do, but after 25 years on the air, I don't. Observation
of HF propagation is a source of continuing fascination.

  We DON'T know what conditions will
> get set up at any time in the future. It is as hard to predict as the
> weather.

You got that right!
>
> But, yes, the observation of current propogation conditions is something
> that people can enjoy, just like the weather.

Yep.
>
> But do you limit yourself just to HF?
> --

Nope!
>

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 6302609143468231359
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a52980d2c3608d8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 13:26:38 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!usc!apple!
bionet!agate!shelby!portia.stanford.edu!jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: NOCODE (was Re: K1EA Software)
Message-ID: <1990Nov6.212638.7807@portia.Stanford.EDU>
Date: 6 Nov 90 21:26:38 GMT
References: <16894@shlump.nac.dec.com> <802@idacrd.UUCP> <4285@lib.tmc.edu>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 14
Posted: Tue Nov 6 22:26:38 1990

In article <4285@lib.tmc.edu> jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
writes:
>Since we won't have the opportunity to educate the new no-code licensees
>in amateur operations before they're licensed, since they can get the ticket
>simply by memorizing a book, we must do so on the air when they get on. This
>means that we must first clean up our own act.

A minor bone to pick. Most of the hams I know, including myself, learned
CW using tapes and morse trainer programs, not off the air. My initial
education in ham radio came from buying a 2m ht while I was still waiting
for my ticket to arrive, and LISTENING. In any event, we're in agreement that
we'd better clean up the various messes up on the bands (2m, 20m come to mind).

-=Paul Flaherty, N9FZX | Life is an inherent shift - reduce conflict.
->paulf@shasta.Stanford.EDU |

From -4273034160239739241
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,54ad565dd3294f78
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 13:38:55 PST
Path: gmdzi!unido!mcsun!uunet!sci34hub!cheroke!tom
From: tom@cheroke (Tom Thompson)
Newsgroups: rec.ham-radio

Subject: Re: CW Contests and "artifical aids"
Message-ID: <kZH9R1w161w@cheroke>
Date: 6 Nov 90 21:38:55 GMT
References: <1990Nov5.191655.27316@tandem.com>
Lines: 86
Posted: Tue Nov 6 22:38:55 1990

stu@tandem.com (Stuart G. Phillips) writes:

> Having participated in the CW version of Sweepstakes this last weekend I'm beginning to wonder whether the use of "artifical aids" such as PK-232, MFJ 1278, morse machines etc, should be specifically prohibited by the contest rules.

I don't know if there oughta be a law, however, it would take the fun out of it (for me) to use any kind of copying aid -- other than better filters etc or another ham listening with you when multi-op. I worked in the slow speed areas, and got the impression (from sending mistakes and the like) that most others were operating 'manually'.

> In working my (puny) 99 contacts (one short of the pin :-(( ) I was forced to resort to using my PK-232 to copy the machine gun style CW sent by so many stations. As a non-Extra class Ham of the Advanced class (or so they tell me I can comfortably copy 17-18 wpm and am slowly working my way up for the Extra. The PK-232 was claiming that much of the CW was sent around 30 wpm or more ! I understand that there are people who can do this speed and better but I've always thought there werent many.

I worked 93, so I know just how you feel! I was cruising along with 100 in sight Sunday afternoon, but the broadcast stations filled up the slow-speed part of the band (my station good only on 40, although I got a few on 15). I can copy 15 wpm (on a good day :) and had no problems at all with others' speed in the slow-speed segments. Seemed like most were less than 13 or would adjust to your calling/answering speed. I would occasionally dip down into the high speed band and find a nice signal that I could 'almost' copy, listen for a few rounds to get the exchange and then call (at my puny straight key speed). Typically, they would come back closer to my speed, and usually throw in an extra TU or 73 (an 'A' for effort?). Anybody care to comment on whether the CW cheetahs regard the turtles as another welcome contact or a nuisance (assuming we've listened enough to have a good chance at completing the exchange in one try)?

Only in one case could I not copy someone at all -- I answered their weak (slow) call and could just not get any of the exchange. When I asked for a "pse rpt all?" they came back with something different so maybe they couldn't copy me either. I subsequently discovered I had been operating for about an hour with RF gain backed off (short circuit in the brain hi!). I had about three qso's with people that didn't know a contest was going on (or didn't hear my SS).

> CW contests seem to be losing their charm and degenerating into a poor mans RTTY contest.

My first, so I really can't say. I hope not, because anyone that has a
CW copying aid can likely just go ahead and do RTTY (which I also hope
to do sometime).

> I wonder how many stations were using PK-232 etc for sending and/or
> receiving
>
> The ARRL had attempted to establish slow-speed segments for mere mortals
> such as me but there was a positive lack of activity in these segments in
> my part of the world.

Maybe you're in wrong state (:->). I stayed up late Sat. to catch
some 6's, but didn't hear many. However, this was when I had my RF
gain messed up! If it wasn't for that, I might have broke 100.

Seriously, maybe our expectations are just different. Seems to me that
you did pretty good for "first semi-serious attempt".

I thank the ARRL for thinking of us slow-speed coders. People tell me
that this is a new thing. If so, I hope there is enough response that
they do it again. I don't know if I'll ever be able to copy the big
guns!

> Thoughts, comments ????????
>
> Stu N6TTO
>
> PS: This was my first semi-serious attempt at a CW contest; it will probably
> be my last until I can copy 35 wpm !

My first too! I hope to be at the next.

Thanks for starting up this subject, and I hope more will come forth
with their SS experiences and opinions.

Tom N4YOS

--
 Tom Thompson   { uunet!sci34hub!cheroke!tom }   (205) 533-1388

From 2852764873706449420
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62cf76082d3e814c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 13:39:01 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!att!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: HR2510 Mods
Summary: Hummm...What antenna are you using?

Keywords: UNIDEN HR2510 10-METER
Message-ID: <1129@tsdiag.ccur.com>
Date: 6 Nov 90 21:39:01 GMT
References: <2994@canisius.UUCP>
Organization: CONCURRENT,ENG. SERVICES,OCEANPORT NJ
Lines: 22
Posted: Tue Nov 6 22:39:01 1990

In article <2994@canisius.UUCP>, vester@canisius.UUCP (Karl Vesterling) writes:
-
-    I have a Uniden HR2510, and I had a technician replace the driver, and
- final transistors. It now does 10 Watts on AM dead key, and 40 Watts on Side
- Band (all are RMS readings). I still would like more power. Up here in
- Buffalo, 10 Watts AM, nor 40 Watts on sideband is still not enough to talk
- some skip.
-
- Karl J. Vesterling   vester@klaatu.canisius.edu

I don't know why you're having trouble, I've worked the world on 25W mobile!
What kind of antenna are you using? What frequency are you using? Are you
trying to use AM or USB most of the time? Send me e-mail with a time, date,
and freq (28.300 to 28.500 - I'm a tech class) and I try and hear your signal.

PS - Is your real name Fred or are you newly licensed? The only ham listed with
the last name Vesterling in NY is named Fred.

```
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

From -1591878527701271711
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 13:43:17 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!vsi1!altos!
altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <4359@altos86.Altos.COM>
Date: 6 Nov 90 21:43:17 GMT
References: <9217@b11.ingr.com> <1990Oct28.185659.11837@NCoast.ORG>
<531@chiton.ucsd.edu> <1990Oct30.203641.5283@athena.mit.edu> <535@chiton.ucsd.edu>
<1495@ke4zv.UUCP> <4330@altos86.Altos.COM>
<1990Nov2.021827.28758@ux1.cso.uiuc.edu>
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 18
Posted: Tue Nov 6 22:43:17 1990

In article <1990Nov2.021827.28758@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN) writes:

>By requiring code to get into ham radio, we are depriving our kids of a
>opportunity to experience an aspect of technology that will be in high
>use in the future.

What? DX pileups on 20 meters? Packet bulletin boards at an effective throughput of 10 bits per second? BARF? Repeater wars?

>Are you wanting to just let it go at that and give up on our kids?

I think the kids are quite satisfied with their computers and video games.

```
--
Jerry Gardner, NJ6A                      Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos!jerry   2641 Orchard Parkway
Internet: jerry@altos.com                San Jose, CA  95134
Guns don't kill people, bullets do.                   (408) 432-6200
```

From 2642845608730570564
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f4500267b3088cb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 13:59:24 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: DXpedition Announcement
Message-ID: <9011062159.AA22582@cmr.ncsl.nist.gov>
Date: 6 Nov 90 21:59:24 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
     formerly National Bureau of Standards
Lines: 22
Posted: Tue Nov 6 22:59:24 1990

```
**********************************************************
*                      ANNOUNCEMENT                      *
*                                                        *
*              GUADELOUPE  50 MHz  DXPEDITION            *
*                        FG/W3OTC                        *
*                100 watts and a small beam              *
*                                                        *
*            19 November until 1 December 1990           *
*                                                        *
```

The house-key has arrived from Paris so it's reasonable to announce my upcoming 50 MHz DXpedition to the island of Guadeloupe (FG). The license itself took about nine months to obtain. I don't go to FG just for radio, but will be on

```
       a lot and will  make a special effort  to be on the air on
       weekends and on  Thanksgiving day.  I will  check into the
       10-meter liaison frequency from time-to-time, but will not
       give out QSLs for contacts on the liaison frequency.  If I
       *   am really bored, I may do some 10-meter operating.   *
       *                                                        *
       *   QSL to: Robert J. Carpenter, W3OTC, AFTER I RETURN.  *
       **********************************************************


From -5917791746039908650
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd4057e78fc0fb0d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 14:10:20 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!att!cbnewsj!k2ph
From: k2ph@cbnewsj.att.com (The QRPer)
Newsgroups: rec.ham-radio
Subject: Re: T2FD Antenna
Message-ID: <1990Nov6.221020.29677@cbnewsj.att.com>
Date: 6 Nov 90 22:10:20 GMT
References: <502@ssc.UUCP>
Organization: QRM Central
Lines: 56
Posted: Tue Nov  6 23:10:20 1990

From article <502@ssc.UUCP>, by tad@ssc.UUCP (Tad Cook):
> In article <0D1186C0A47F6084C5@OBERLIN.BITNET>, FZINN@OCVAXA.CC.OBERLIN.EDU
writes:
>> Does anyone on the list recall an antenna from the 1950s called a "T2FD".  I
>> used one successfully but that was years ago and I do not have the specs.
>> As I recall it came from CQ or QST.  It was a wide-spaced folded "dipole"
>> with a load resistor.  THanks for any useful information and esp. for
>> specs.
>> Grover Zinn
>> ex-W5vyu
>
> Basically it is a sloping folded dipole with a terminating resistor
> opposite the center feedpoint.  You can think of it as a squashed rhombic
> turned on end.  It is non-directional and operates over a 5:1 frequency
> range.
>
> The original article is in QST, June 1949.  There were several follow-up
> articles in CQ, and I found some in November 1951 CQ and February 1953 CQ.
>
> The length from end-to-end in feet is 328/MHz for the lowest frequency.
> Of course, the total wire length is twice this.
>
> The spacing between the wires is 9.84/MHz for the lowest frequency.
>
> The sloping angle should be about 30 degrees.
>
> The terminating resistor should be non-inductive, and have a rating
```

> equal to 35% of the transmitter power. It should be slightly higher
> in value than the impedance of the line in ohms. The author recommends
> 650 ohms for 600 ohm feeders, 500 ohms for 450 ohm line, and 390 ohms
> for 300 ohm line.
>
> Lots of stuff deleted...

I built one of these about four years ago using the 390-ohm terminating resistor and a 6:1 balun obtained from Palomar Engineers so I could feed it with 50-ohm coax. The performance was less than spectacular. The model I made was cut for 40 meters, so I expected it to work anywhere from 40 through 15 meters. The SWR was about 2.5 or 2.7 to 1 across all of 40 meters. It was worse on 20. It was actually quite broad on 15 meters, about 1.3 to 1 across the entire band.

I tried to "A-B" this versus the 40-meter dipole I had up at the same height as the T2FD. The T2FD was consistently two S-units below the 40-meter dipole. Since it had a very nice SWR on 15 meters, I thought I'd compare it against the TA-33 that I had up at 40 feet. The T2FD was consistently 5-6 S-units below the tribander.

I threw the T2FD out.

```
--
=========================================================================
Bob Schreibmaier K2PH  | UUCP: att!oblivion!k2ph or k2ph@oblivion.att.com
AT&T Bell Laboratories | ARPA: k2ph%oblivion@att.arpa
Lincroft, N.J. 07738   | ICBM: 40o21'N, 74o8'W
```

From 1500087568430204898
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 14:15:04 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!apple!vsi1!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <4360@altos86.Altos.COM>
Date: 6 Nov 90 22:15:04 GMT
References: <1990Oct30.203641.5283@athena.mit.edu> <535@chiton.ucsd.edu> <1990Nov6.013026.16556@NCoast.ORG>
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 18
Posted: Tue Nov 6 23:15:04 1990

In article <1990Nov6.013026.16556@NCoast.ORG> allbery@ncoast.ORG (Brandon S. Allbery KB8JRR) writes:

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>Luckily for you, I don't advocate such a course.  And I *do* use CW.  But I
>see no reason to force it down people's throats, just as I don't force packet
>down everyone's throats.


For that I'm grateful.  At the risk of starting another flame war, I must
say I find packet the most booooooooooooring mode ever invented.  I think
it was invented by younger hams to kill off all of the old timers by boring
them to death.


--
Jerry Gardner, NJ6A                       Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos!jerry   2641 Orchard Parkway
Internet: jerry@altos.com                 San Jose, CA  95134
Guns don't kill people, bullets do.                    (408) 432-6200


From -3788648524585385173
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ad0aeac90cb1488f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 14:46:53 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!emory!
wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Antenna questions
Message-ID: <1513@ke4zv.UUCP>
Date: 6 Nov 90 22:46:53 GMT
References: <9011051434.aa14654@crdec7.apgea.army.mil>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 96
Posted: Tue Nov  6 23:46:53 1990

In article <9011051434.aa14654@crdec7.apgea.army.mil>
wejones@CRDEC7.APGEA.ARMY.MIL ("William E. Jones III") writes:
>Antenna questions.
>
>    To receive wefax images from NOAA satellites, I had been using a
>Radioshack Discone antenna, but experienced periodic fade-in / fade-out
>problems, which I assume is due to rotation of the satellite or a
>circularly polarized antenna on the satellite.  To fix this problem,
>I built a "Lindenblad" antenna following the directions in the
>ARRL Satellite Experimenters Handbook.  This antenna (which is four
>folded dipoles arranged in a square, and then each tilted 30 deg out
>of the squares plane) works OK, but is made of bare 12 guage wire, so
>that when birds (the kind with wings) sit on it, they bend it all out
>of shape.  My questions are:
>
>1.   What would I lose by making it out of heavier stock, such as
>     1/8 " or 1/4 " refrigeration tubing.  I have noticed other
```

> posters refer to a rule of 1/1000 for element diameter/wavelength, and the 12 guage wire seems to be the maximum by this criteria. Most TV and other beam type antennas would violate this rule too, but they would probably make up for it via multiple elements.

Breaking the 1/1000 rule will cause the optimum element lengths to vary from the values calculated by the simplified equations in the handbooks. Fatter elements will also be more broadbanded. Don't get too carried away or the antenna will be squirrelly to tune. 1/100 should be safe.

>2.   What would I lose by supporting the wire over a plexiglas or wood form. The book specified bare wire.

One of our locals made the whole thing out of TV twinlead stuffed into pieces of PVC pipe. Seems to work fine for receive. PVC is lossey at these frequencies so I wouldn't want to transmit through it.

>3.   What would I lose by using steel rods and making plain 1/2 wave dipoles instead of the folded dipoles. Some recent posters have been critical of the use of steel for transmitting, but since I'm only receiving, would it be OK?

Steel has high resistance at RF frequencies. It would work, but would not be ideal.

>4   How much am I losing at 137 MHz by using an antenna sized for 145 MHz? I was hoping to use it at both frequencies, and hoped it would be broadbanded enough not to lose much doing so.

This makes a significant difference. First, an antenna cuts off much more rapidly on the low side of center than the high side. Second, the phasing harness for the Lindenbad will be completely wrong so you don't get the desired circular polarization.

>5.   Could my original fading problem (a very reproducible pattern) be caused by reflection from a nearby TV antenna? If so, how far away from such objects should I be?

Probably not. What you describe sounds like classic polarization fading. As a rule of thumb, an antenna should be at least 10 wavelengths away from another to avoid near field effects. Some people say 100 wavelengths, but I've found 10 a good compromise.

>6.   What other antenna design might be useful? Is there an antenna design which is not ideal for transmitting (and thus left out of antenna books) which may be useful for receiving? I was looking for an omnidirectional antenna, but I could compromise in this respect if the patterns weren't too narrow. I want to avoid having to track, however, if at all possible.

The Lindenbad is probably the best nondirectional circular polarized antenna you can build. Concentrate on making it work right and you'll be happy.

>7. Somewhat off the subject, I have both an ICOM 7000 and a RS Pro-34
> scanner. With the Pro-34, I can replace the normal antenna with
> a short length of bare wire, and the radio works fairly well, in
> fact better than with the supplied antenna. On the other hand,
> when I first got my 7000, I tried it out with a short length of
> wire, and it didn't work at all! (ie stations coming in loud &
> clear on the Pro-34 could not even be heard at all on the 7000).
> I was convinced that the unit was defective until I hooked it
> up to the discone. I have seen others comment on "sensitivity
> problems" with the 7000, and suspect that they were experiencing
> something similar. Why should a cheap radio outperform a quality
> receiver with a poor antenna, but the reverse be true with a good
> (or at least better matched) antenna? I assume that for some
> reason the 7000 is more sensitive to mismatch, perhaps due to
> increased selectivity.

The R7000 is designed to match 50 ohms. It will not be happy with a short high impedance end fed wire. The Pro-34 is a typical high impedance design and works best with an end fed high impedance wire. When you attach the 34 to a good communications antenna matched to 50 ohms through 50 ohm coax, you grossly mismatch the radio and, except for the possible advantage of having an antenna high and in the clear, don't see an improvement. The R7000 however comes into it's own when properly matched.

Gary KE4ZV

From 3393726574245844924
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3dae3a11db364e99
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,3dae3a11db364e99
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,3dae3a11db364e99
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,3dae3a11db364e99
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-06 14:52:41 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!news.cs.indiana.edu!news!cartan!ndmath!nstar!w8grt!root
From: root@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: Rules of the MW_RF conference
Message-ID: <316.273740FF@w8grt.fidonet.org>
Date: 6 Nov 90 22:52:41 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 34
Xref: gmdzi rec.radio.shortwave:2641 rec.ham-radio.swap:760 rec.ham-radio.packet:3013 rec.ham-radio:16626
Posted: Tue Nov 6 23:52:41 1990

> From: kjh@aludra.usc.edu (Kenneth J. Hendrickson)
> Date: 6 Nov 90 07:02:09 GMT
> Organization: EE-Systems, USC, Los Angeles
> Message-ID: <12981@chaph.usc.edu>
> Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,
> rec.ham-radio
>
> In article <299.27344C5A@w8grt.fidonet.org>
> Jim.Grubs@f7.n833.z9.fidonet.org (Jim Grubs) writes:
> >Initial guidelines for the Microwave and RF GROUP Conference.
>
> So will this be a USEnet newsgroup, or do I need to know how to get on
> the mailing list?

Glad you saw it, Ken. I had you in mind when I posted it.

First, it orginates (Sure!) originates as a groupmail conference in a fidonet technology net. Groupmail is somewhat analogous to a moderated newsgroup. I was planning on gatewaying it into a mail list until and unless there are enough takers to warrant setting up a newsgroup.

Of course, if you have a Fidonet compatible mailer (FrontDoor, Binkleyterm, SEAdog, D'Bridge, etc., and GROUP.EXE, you can pick it up directly from the moderator.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!root
  |     _) INTERNET: root@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From -1135435260563614518
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2631dd02572e2d70
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 15:16:36 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!rice!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: Genderless pronoun: na
Message-ID: <Dim9R4w163w@phoenix.com>
Date: 6 Nov 90 23:16:36 GMT
References: <15503@burdvax.PRC.Unisys.COM>
Organization: One Man Brand
Lines: 24
Posted: Wed Nov 7 00:16:36 1990

techpubs@PRC.Unisys.COM (Technical Pub. Vince Short) writes:

> >No, sorry, the only
> >acceptable form is:
> >
> >   Everyone should get his ham radio license.
> >
>
>   Everyone should get her ham radio license.
>

   Both are wrong.

   Not everyone should have a ham license. Those who have no interest in
the hobby or desire to use it, for one.

<> "Aneth! That's a charming place!" "You've been to Aneth?"
<> "Yes, but not yet." -- The Doctor and Seth, "The Horns of Nimon".
><
<> "Sanity check!" "Sorry, we can't accept it, it's from out of state." - me

```
From 6426318528038609679
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cfbab3d4ed94ec3e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 15:58:58 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!
asuvax!anasaz!qip!rusty
From: rusty@qip.UUCP (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Callsign project
Message-ID: <5352@qip.UUCP>
Date: 6 Nov 90 23:58:58 GMT
Organization: Anasazi, Inc.  Phoenix, Az
Lines: 20
Posted: Wed Nov  7 00:58:58 1990
References:
```

I should comment that, for those who have not sent me their tapes,
it seems to me to be wiser to send them to the post office rather
than my home. I say this because I have received 2 tapes at the
house (maybe 3, I lose count), and both have been left in space
between the screen door and the back door at my townhouse complex.

The tapes are only marginally hidden there.

Fortunately, the dogs in the neighborhood do not wander around too much, so damage from that sector will be minimal... :-)

Ah, well....

--
+++ 73 de N7IKQ +++
Rusty Carruth {ames!ncar!noao!asuvax,mcdphx}!anasaz!rusty
P.O. Box 27001, Tempe, AZ 85285 anasaz!rusty@asuvax.eas.asu.edu
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz
The Ham Callsign Project, part 3 (the 1990 version) - its HERE! Email for info

From 6955057764958578921
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1841d66fbaf816f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 16:05:01 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!ucsd!nosc!crash!orbit!pnet51!rambler
From: rambler@pnet51.orb.mn.org (Dan Meyer)
Newsgroups: rec.ham-radio
Subject: What a waste
Message-ID: <3426@orbit.cts.com>
Date: 7 Nov 90 00:05:01 GMT
Sender: root@orbit.cts.com
Organization: People-Net [pnet51], Minneapolis, MN.
Lines: 7
Posted: Wed Nov 7 01:05:01 1990

Jeeez. What a waste of a newsgroup. 60+ messages in a day, and none of them worth my time. bye bye to rec.ham-radio from Dan Meyer, N0KFB!
Remember: " Buffalo never Oink " Seen on a South Dakota travel brocure.
Advertisment: Try the Railway Post Office , a railfan BBS ! (612) 377-2197.
UUCP: {crash tcnet}!orbit!pnet51!rambler
ARPA: crash!orbit!pnet51!rambler@nosc.mil
INET: rambler@pnet51.orb.mn.org

From 5466299750522702667
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bd0c72f2ff4cc46c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 16:07:23 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!att!linac!pacific.mps.ohio-state.edu!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!asuvax!anasaz!qip!rusty
From: rusty@qip.UUCP (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: The un-net this weekend!
Message-ID: <5353@qip.UUCP>
Date: 7 Nov 90 00:07:23 GMT
Organization: Anasazi, Inc. Phoenix, Az
Lines: 33

Posted: Wed Nov 7 01:07:23 1990

Just to remind everyone about the un-net this weekend:

Remember that, "every weekend" "we" hold an un-net.

What's an un-net? And why did I quote "every weekend" and "we" above?
I'm glad you asked!   :-)

The Un-Net is a time, 2 frequencies, and a lot of fun. It is not a net, given the characteristics of 10m prop. What you do to join it is to get on one of the 2 frequencies (or as close as you can get) and call something like "cq usenet". See if you can find any other usenetters to talk to. (I've managed at least 6 or 7 so far) Keep it up for as long as you want, but the "major time" range is, as you can see from my .sig file below, 1700 UTC till 1900 UTC.

Ok, now, why did I quote "every weekend"? Because not everybody gets on every weekend.

And why did I quote "we"? Because I doubt that many people get on very regularly. I will finally be active during the un-net this Saturday (the 10th), having been inactive for about the last 3 or 4 months...

SO, I look forward to "seeing" you this Saturday!

--
+++ 73 de N7IKQ +++
Rusty Carruth   {ames!ncar!noao!asuvax,mcdphx}!anasaz!rusty
P.O. Box 27001, Tempe, AZ 85285   anasaz!rusty@asuvax.eas.asu.edu
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz
The Ham Callsign Project, part 3 (the 1990 version) - its HERE! Email for info

---

From 4171872375868531475
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10e910c7f3eaf0aa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 16:14:11 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1897@n8emr.UUCP>
Date: 7 Nov 90 00:14:11 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 41
Posted: Wed Nov 7 01:14:11 1990

From n8emr!W8PH Fri Oct 19 07:34:43 1990
Return-Path: <n8emr!W8PH>
Message-Id: <m0iPuDK-0000pQC@n8emr.uucp>
[Date: Fri, 19 Oct 90 06:49 EDT
[To: <ALL@ARRL>
R:901016/0027z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:10286 Z:43232
R:901015/2355 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:43484 Z:43103
R:901015/1444 @:WB8ICL.OH.USA.NA Yellow Springs #:57796 Z:45387

PROPAGATION FORECAST BULLETIN 42 ARLP042
FROM ED TILTON, W1HDQ
WETHERSFIELD CT OCTOBER 15, 1990
TO ALL RADIO AMATEURS

DURING THE FIRST HALF OF OCTOBER THE SOLAR FLUX ROSE AT A FAIRLY RAPID RATE. AS OF SUNDAY NIGHT THE FLUX HAD REACHED 220, TEN POINTS ABOVE THE SEPTEMBER PEAK. COMBINED WITH THE EXPECTED IMPROVEMENT IN PROPAGATION AT THIS TIME OF YEAR, THE SECOND HALF OF THE MONTH SHOULD BRING IMPROVED DX CONDITIONS, ESPECIALLY ON 28 AND 50 MHZ.

AS TO THE LATTER BAND, WE ALREADY HAVE REPORTS OF TRANSATLANTIC DX ON 50 MHZ IN RECENT DAYS. THE REST OF THIS YEAR AND THE EARLY MONTHS OF 1991 SHOULD BE GOOD TIMES FOR USERS OF 21 MHZ AND HIGHER FREQUENCIES UP THROUGH 50 MHZ. THE PEAK IS LIKELY TO COME IN LATE NOVEMBER. THE CONDITIONS MOST IMPORTANT TO 50 MHZ ARE THE INCREASED OCCUPANCY AND THE VASTLY IMPROVED PERFORMANCE OF SOLID STATE GEAR FOR THIS BAND.

SINCE LATE SEPTEMBER AND THROUGH MOST OF OCTOBER, THE AUTHOR OF THESE BULLETINS HAS BEEN VISITING FRIENDS AND RELATIVES IN CONNECTICUT AND MASSACHUSETTS. WE EXPECT TO BE BACK IN SPRING HILL, FLORIDA, BEFORE THE END OF OCTOBER. WE OPERATE MAINLY ON 21 THROUGH 144 MHZ, BUT ARE SET UP FOR ALL BANDS FROM 3.8 TO 432 MHZ. OUR MAILING ADDRESS IS PO BOX 5529, SPRING HILL, FL 34606.

AMERICAN SUNSPOT NUMBERS FOR OCTOBER 4 THROUGH 10 WERE 152, 123, 113, 149, 169, 134 AND 152 RESPECTIVELY, WITH A MEAN FIGURE OF 141.7. SOLAR FLUX NUMBERS AS REPORTED BY WWV FOR THE SAME TIME PERIOD WERE 184, 169, 169, 168, 179, 182 AND 192, WITH A MEAN FIGURE OF 177.6. AR

From 857280074027984973l
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10e910c7f3eaf0aa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 16:14:25 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1898@n8emr.UUCP>

Date: 7 Nov 90 00:14:25 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 100
Posted: Wed Nov 7 01:14:25 1990

Return-Path: <n8emr!W8PH>
Message-Id: <m0iPu7D-0000qJC@n8emr.uucp>
[Date: Fri, 19 Oct 90 06:50 EDT
[To: <ALL@ARRL>
R:901019/0829z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:10372 Z:43232
R:901019/0704 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:44226 Z:43103
R:901102/0647 @:WB8ICL.OH.USA.NA Yellow Springs #:58113 Z:45387
R:901019/0257z @:W8BI.#DAY.OH.USA.NA Dayton #:18703 Z:45424
R:901019/0158 @:WA8ZWJ.#DAY.OH.USA.NA Union #:20434 Z:45322

DX BULLETIN 42 ARLD042
FROM ARRL HEADQUARTERS
NEWINGTON CT OCTOBER 19, 1990
TO ALL RADIO AMATEURS

THANKS TO ALLEN, N2KW, AND THE TRISTATE DX PACKETCLUSTER NETWORK FOR THE FOLLOWING DX INFORMATION.

BANABA, T33. A MAJOR EXPEDITION IS DUE NOVEMBER 7 TO 21 BY AN ALL STAR TEAM INCLUDING JG2BRI, OH1RY, OH2BH, SM7PKK, AND TF3CW. SIGNING T33T ON CW AND T33R ON SSB WITH FIVE COMPLETE STATIONS, THEY WILL BE ACTIVE ON 160 THROUGH 10 METERS. QSL CHORES WILL BE HANDLED BY OH3GZ.

BENIN, TY. LOOK FOR TY1DX OCTOBER 25 TO NOVEMBER 3, POSSIBLY SIGNING TY2A IN THE CQWW SSB CONTEST. THEY WILL OPERATE MOSTLY SSB, WITH SOME CW ON REQUEST. QSL VIA IK6FHG.

TY1PS IS OFTEN ON RTTY AROUND 21088 KHZ AT 2000 UTC.

BRUNEI, V85. BOB, N2OO, RETURNS TO V85 NOVEMBER 12 TO 16, POSSIBLY AS V85OO. HE WILL WORK MOSTLY CW ON 80 THROUGH 10 METERS.

CHRISTMAS ISLAND, VK9X. FRANZ, DJ9ZB WILL JOIN VK2RQ AND VK3DHT FOR A TWO TO THREE WEEK OPERATION FROM CHRISTMAS ISLAND WHICH IS JUST ABOUT TO START.

COMOROS, D68. FRANK, DL7FT, WILL OPERATE FROM THE COMOROS THIS MONTH. HE WILL ALSO ATTEMPT TO GET ON THE AIR FROM 5R8 IF POSSIBLE.

MALAGASY REPUBLIC, 5R8. DL7FT AND THE COLVINS WILL ATTEMPT TO ACTIVATE THIS ELUSIVE SPOT BEFORE THE END OF THE YEAR.

FEDERATED STATES OF MICRONESIA, V63. FOLLOWING THEIR SUCCESSFUL KC6CQ OUTING, OUR INTREPID CANADIAN FRIENDS ARE DUE AT V63 OCTOBER 16 TO 31. QSL MANAGER VE3JDO WILL BE A VERY BUSY FELLOW NEXT MONTH.

MARSHALL ISLANDS, V73. AFTER THE V63 OPERATION, THE CANADIAN TEAM PLANS TO BE QRV FROM V73 NOVEMBER 1 TO 4.

MOZAMBIQUE, C9. LLOYD AND IRIS COLVIN ARE ON THE AIR FROM MOZAMBIQUE. LOOK FOR C9QL ON THE HIGHEST BAND WITH PROPAGATION STATESIDE. QSL YASME.

NAURU, C21. TRANSPORTATION PROBLEMS HAVE CANCELLED THE VK2GJH C21 TRIP. MATS, SM7PKK, SHOULD BE QRV FROM C21NI BY THE END OF NOVEMBER.

QATAR, A7. LOOK FOR AHMED, A71CD, AROUND 28480 KHZ, FROM 1200 TO 1300 UTC.

SAUDI ARABIA, HZ. 7Z1AB WILL BE A 15 METER SINGLE BAND ENTRY IN CQWW SSB. OPERATOR K2ZJ WILL QSL VIA KN2N AT THE ADDRESS LISTED IN 1990 CALLBOOK. 7Z1AB IS REGULARLY ON 21275 KHZ AT 2100 UTC, ACCORDING TO VP2ML. PLEASE REMEMBER THAT 7Z1AB QSL CHORES ARE NORMALLY HANDLED BY WB2WOW. HZ1AB, LOCATED WITHIN A MILITARY DEPOT, IS TEMPORARILY QRT.

SOUTH COOK ISLANDS, ZK1. SIGGI, TF3CW, WILL SIGN ZK1VS IN THE CQWW CW CONTEST. THIS IS HIS WAY TO UNWIND FOLLOWING THE BANABA EXPEDITION NOVEMBER 7 TO 21.

SOUTH GEORGIA, VP8. GORDON, VP8CDJ, HAS BEEN ACTIVE ON 14256 KHZ, MONDAYS AT 2230 UTC. LAST WEEK, THE LIST WAS TAKEN BY VP8BXK, SOUTH ORKNEYS. QSL VP8CDJ VIA GM4KLO. QSL VP8BXK VIA W9ARV.

ST. PAUL ISLAND, CY0. FP5DX AND VE1KM WILL BE ACTIVE ON 160 THROUGH 10 METERS BOTH CW AND SSB, FROM OCTOBER 20 TO 30 SIGNING EITHER CY9SPI, OR CY9DX. RTTY OPERATIONS ON 20 AND 15 METERS ONLY. QSL TO FP5DX.

TUVALU, T2. MATS, SM7PKK, WILL BE QRV FROM TUVALU EITHER BEFORE OR AFTER HIS C21NI OPERATION IN NOVEMBER. QSL TO HIS HOME CALL.

VANUATU, YJ. OH1RY WILL SIGN YJ0R IN CQWW CW THIS NOVEMBER.

WAKE ISLAND, KH9. THERE IS STILL TIME TO QSO AA4NP/AH9 ON 20 OR 40 METER CW. HE HAS BEEN VERY ACTIVE FROM 1000 TO 1100 UTC, BUT WILL QRT SOON.

WEST KIRIBATI, T30. THE BANABA CREW MAY ACTIVATE TARAWA FIRST. IF THEY DO, IT WILL BE A LIMITED OPERATION FROM NOVEMBER 3 TO 5.

ZAIRE, 9Q. 9T5E IS THE CALLSIGN SIG, 9Q5EE, WILL USE FOR CQWW SSB. QSL BOTH VIA K1RH. RALPH CAN ALSO CONFIRM SU1EE CONTACTS BY SIG.

SPRATLY ISLAND, 1S. DESPITE THE SUPPORT OF INDEXA, ROMEO, 3W3RR, IS STILL LACKING ADEQUATE FUNDS FOR HIS RETURN TO SPRATLY IN DECEMBER. CONTACT NT2X FOR DETAILS. AR

From 303176895042499445
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10e910c7f3eaf0aa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 16:14:41 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1899@n8emr.UUCP>
Date: 7 Nov 90 00:14:41 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 19
Posted: Wed Nov 7 01:14:41 1990

Return-Path: <n8emr!W8PH>
Message-Id: <m0iPuCG-0000fkC@n8emr.uucp>
[Date: Fri, 19 Oct 90 06:50 EDT
[To: <ALL@ARRL>
R:901017/0404z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:10317 Z:43232
R:901016/2314 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:43737 Z:43103
R:901016/2236 @:WB8ICL.OH.USA.NA Yellow Springs #:57963 Z:45387

ARRL BULLETIN 39 ARLB039
FROM ARRL HEADQUARTERS
NEWINGTON CT OCTOBER 16, 1990
TO ALL RADIO AMATEURS

PARTICIPANTS IN THE SCOUT JAMBOREE ON THE AIR SHOULD LISTEN FOR DA0BSA IN GERMANY. AMATEURS THERE HAVE BEEN GRANTED A SPECIAL THIRD PARTY AGREEMENT TO OPERATE THIS SPECIAL EVENTS STATION JUST FOR JOTA ON OCTOBER 20 AND 21. THE STATION IS EXPECTED TO BE ACTIVE FROM 1300 TO 1900 UTC BOTH DAYS. AR

From -6239800126018956466
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8484e08598c04bf2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 18:39:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!ut-emx!frank
From: frank@ut-emx.uucp (Frank Abernathy)
Newsgroups: rec.ham-radio
Subject: Re: NASA Prediction Bulletin Format
Summary: MR. KELSO please keep 2-line NASA/NORAD format
Message-ID: <39268@ut-emx.uucp>
Date: 7 Nov 90 02:39:19 GMT
References: <9011051510.AA28371@blackbird.afit.af.mil>
<1990Nov6.134542.2884@santra.uucp>

Organization: The University of Texas at Austin; Austin, Texas
Lines: 38
Posted: Wed Nov 7 03:39:19 1990

In article <1990Nov6.134542.2884@santra.uucp>, s36572u@puukko.hut.fi (Karl R. Tigerstedt) writes:
>
> Please send the actual keplerians, since I believe they are of greater
> value to the amateur radio society than the 2-line format description.

Other stuff deleted.

Mr. T.S. Kelso, PLEASE continue the format that you have been using.
Almost ALL Amateur and NON-Amateur programs for tracking satellites that
I know of use both the AMSAT and NASA/NORAD format.

I FOR ONE do not want to cause YOU, Mr. Kelso, any more work than you already so unselfishly provide to indviduals who use your NASA/NORAD postings of the NASA/NORAD format of the Keplerian values.

When the 3-line format you post, Sat Name, and 2 lines of Kep data would NOT be immediately consumed by ORBITS III (Mr. Roy Welsh, a nice program), I wrote a simple conversion program in BASIC to provide the required conversion.

I greatly appreciate Mr. Kelso's postings here as they save me a long distance call to his BBS, which, sadly for me is no longer in Austin. A long distance call from Finland, I assume, would be MUCH more costly!

I do not know the formulae for deriving the info found in the NASA/NORAD format that is needed for folks with 'AMSAT ONLY' capable programs. Perhaps someone who does can post them and that should resolve Mr. Tigerstedt's problem; and I'd kind of be interested in knowing them as well. :^)

> "I have only come here seeking knowledge.

...in a format that I can understand?

> *** Karl Tigerstedt , email s36572u@puukko.hut.fi ***

********** MR. Kelso, THANK YOU! ************

frank
--
Frank Abernathy, University of Texas at Austin, frank@ut-emx.utexas.edu
Work: (512)-471-3216 Home: (512)-244-0625 (ans. mach always on...)

From -3662676745236616359
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62cf76082d3e814c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-06 19:23:46 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!elroy.jpl.nasa.gov!turnkey!orchard.la.locus.com!prodnet.la.locus.com!altair.la.locus.com!dana
From: dana@altair.la.locus.com (Dana H. Myers)

```
Newsgroups: rec.ham-radio
Subject: Re: HR2510 Mods
Keywords: UNIDEN HR2510 10-METER
Message-ID: <19215@oolong.la.locus.com>
Date: 7 Nov 90 03:23:46 GMT
References: <2994@canisius.UUCP> <20363@crg5.UUCP>
Sender: news@locus.com
Organization: Locus Computing Corporation, Inglewood, CA
Lines: 30
Posted: Wed Nov  7 04:23:46 1990
```

```
In article <20363@crg5.UUCP> washer@crg8.UUCP (Jim Washer) writes:
>Karl, Couldn't find you I the call sign database. Are you licensed?
>>
>>
>>I have a Uniden HR2510, and I had a technician replace the driver, and
>>final transistors.  It now does 10 Watts on AM dead key, and 40 Watts on Side
>>Band (all are RMS readings).  I still would like more power.  Up here in
>>Buffalo, 10 Watts AM, nor 40 Watts on sideband is still not enough to talk some
>>skip.
>>
>>-------------------------------------------------------------------------------
>>Karl J. Vesterling                              vester@klaatu.canisius.edu
```

License or not (and I'd tend to guess not), Karl should have no problem "working skip" from buffalo with 40 watts SSB. I've worked many people using barefoot (i.e. 25W) HR2510s in mobile installations, even some from upstate New York (Niagra Falls). 10m is one of those bands; when it is "in", 5W is plenty to work transcontinental. Sometime tune in the CW beacons from 28.200 to 28.300; you'll hear 2 to 5 W beacons all over the US. Of course, knowing CW helps one identify which beacon is being received ;-).

```
/*
 * Dana H. Myers KK6JQ      | Views expressed here are  *
 * (213) 337-5136      | mine and do not necessarily   *
 * dana@locus.com      | reflect those of my employer  *
 */
```

```
From -1567118059980l8147
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a67f6bf7a58fa66a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,a67f6bf7a58fa66a,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f5cc0,a67f6bf7a58fa66a,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-11-06 19:48:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!usc!zaphod.mps.ohio-state.edu!
```

uakari.primate.wisc.edu!dali.cs.montana.edu!masscomp!ocpt!tsdiag!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.space
Subject: News From OSCAR-11 06-Nov-90
Keywords: UO-14, AO-16 PACSAT BBSs Commissioned, RS-14/RUDAK-2 Launch Soon!
Message-ID: <362@ka2qhd.UUCP>
Date: 7 Nov 90 03:48:16 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 101
Xref: gmdzi rec.ham-radio:16586 rec.ham-radio.packet:3008 sci.space:17291
Posted: Wed Nov 7 04:48:16 1990

SB NEWS @ ALLBBS < KD2BD $UOSAT.105
News From OSCAR-11 06Nov90

```
* UOSAT-2 OBC STATUS INFORMATION *

DIARY OPERATING SYSTEM V3.1 SMH MLJM MSH

 Today's date is 6 /11 /90  (Tuesday)
 Time is 14 :18 :25 UTC
 Auto Mode is selected
 Spin Period is - 282
 Z Mag firings  = 0
 + SPIN firings = 11
 - SPIN firings = 7
 SEU count      = 132
 RAM WASH pointer at 982
 WOD commenced 6 /11 /90 at 0 :0 :10
 with channels 50 ,51 ,52 ,57 ,
 Last cmnd was 109 to 0 , 0
 Attitude control initiated, mode 1
```

**** UoSAT-OSCAR-11 BULLETIN   06 November 1990 ****

UoSAT MISSION CONTROL CENTRE
University of Surrey, Guildford, Surrey, GU2 5XH, England

** AO-16 / UO-14 BBSs COMMISSIONED **

The Packet Bulletin Board software which has been running in 'beta test' versions on UoSAT-OSCAR-14 since July has now been loaded to AO-16. This follows a period of intense development by Jeff Ward, G0/K8KA, and Harold Price, NK6K, getting software ready for hundreds of users expected to access AO-16 and UO-14.

The programs loaded to the satellites, when combined with several groundstation client programs, implement the PACSAT communications protocols proposed by Jeff and Harold in papers presented at the recent ARRL Amateur

Radio Computer Networking Conference. The protocols provide a connected-mode file transfer facility called FTL0 and a standard broadcast mode for bulletins and other items of general interest.

When someone is up or downloading in connected mode you will see packets from the FTL0 server callsign: PACSAT-0 (on AO-16) or UOSAT3-12 (on UO-14). Bulletins being broadcast will have source callsigns UOSAT3-11 or PACSAT-11. These packets may contain some ASCII text, although each will begin with a short binary header.

The PACSAT protocol suite requires special groundstation software to interpret binary headers and implement protocol handshakes. Papers in the 9th ARRL Networking Conference proceedings describe the protocols in detail. Software for groundstations with IBM-PC type computers will be made available free by UoS through dial-up bulletin boards and on-line information systems.

The release of the groundstation software, expected around 8 or 9 November, will mark the official opening of UO-14 and AO-16 for communications by any suitably-equipped, licensed radio amateur. With LO-19 following stortly and FO-20 already providing service, the Amateur Satellite Service will soon have a useful and interesting network of store-and-forward satellites.

** RS-14/RUDAK-2

Reliable sources within the Soviet Union indicate that the launch of RS-14/RUDAK-2 is now expected to happen on or about November 24, 1990. UA3CR requests the help of radio amateurs all over the world to collect telemetry and send it via packet radio or via a SSB net to him. The first day's worth of telemetry will transmitted via a CW beacon at 20 WPM on 145.822 or on 145.948 MHz SSB and will be vitally important to ground controllers. Later, after ALL systems are working properly on the RUDAK-2 transponder, PSK/BBS/MODE B operations will begin.

** AO-13

The transponder schedule is as follows:

Mode B : MA 000-095
Mode-JL: MA 095-125
Mode-LS: MA 125-130
Mode-S : MA 130-135
Mode-BS: MA 135-140
Mode-B : MA 140-256
Omnis : MA 220-040

This schedule is expected to continue through 26 Dec 90.
BLON = 180 and BLAT = 0

** $BID **

Please use BID $UOSAT.105 for PR BBS use.

/EX
--
John A. Magliacane   FAX : (908) 747-7107
Electronics Technology Department AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College   UUCP : ...!rutgers!ka2qhd!kd2bd
Lincroft, NJ 07738 USA   VOICE: (908) 842-1900 ext 607

From -6916799575008379502
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8149ad68b495af92,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8149ad68b495af92,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-11-06 20:47:23 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!bu.edu!att!linac!
pacific.mps.ohio-state.edu!zaphod.mps.ohio-state.edu!usc!apple!netcom!mcmahan
From: mcmahan@netcom.UUCP (Dave Mc Mahan)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: What's the Input Impedance of a Sony 2010?
Message-ID: <16366@netcom.UUCP>
Date: 7 Nov 90 04:47:23 GMT
Followup-To: rec.ham-radio
Organization: Dave McMahan @ NetCom Services
Lines: 16
Xref: gmdzi rec.ham-radio:16574 rec.radio.shortwave:2630
Posted: Wed Nov 7 05:47:23 1990

I'm trying to design some simple front end antennas, filters, and amplifiers to improve my reception of shortwave broadcasts. The problem I run in to is that I don't know the input impedance of the Sony 2010 radio I intend to use. There is nothing in the specification sheet of the radio that tells me what I need to know. Any ideas? I plan on using the external antenna input jack to provide the desired signal.

A similar question exists for all radios out there. Is there a standard impedance for consumer shortwave radios?

   -dave

--
Dave McMahan   mcmahan@netcom.uucp
                        {apple,amdahl,claris}!netcom!mcmahan

From 2089711048114288540
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,caa7b09a232bb19
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,cc868cf1173b9587
X-Google-Attributes: gidfddbf,public

X-Google-Thread: 114aac,cc868cf1173b9587
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,cc868cf1173b9587
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-06 21:19:26 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!bu.edu!att!linac!pacific.mps.ohio-state.edu!zaphod.mps.ohio-state.edu!usc!apple!agate!linus!philabs!ttidca!root
From: root@ttidca.TTI.COM (The Root of all Evil)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: Hams,Public service/mods to radios for 11 meters
Summary: yup cb is A place to find new ops!
Keywords: hams on 11 meters...big deal..cleaner than most CBers!
Message-ID: <21057@ttidca.TTI.COM>
Date: 7 Nov 90 05:19:26 GMT
References: <306.27359C32@w8grt.fidonet.org>
Organization: Citicorp/TTI, Santa Monica
Lines: 89
Xref: gmdzi rec.radio.shortwave:2629 rec.ham-radio.swap:751 rec.ham-radio.packet:3004 rec.ham-radio:16573
Posted: Wed Nov 7 06:19:26 1990

In article <306.27359C32@w8grt.fidonet.org> Jim.Grubs,.W8GRT@w8grt.fidonet.org (Jim Grubs, W8GRT) writes:
+
+ > From: chuck@npdiss1.StPaul.NCR.COM (Charles Rissmeyer)
+ > Date: 4 Nov 90 03:38:14 GMT
+ > Organization: StPaul
+ > Message-ID: <691@npdiss1.StPaul.NCR.COM>
+ > Newsgroups: rec.ham-radio
+ >
+ > If I modified my IC-745 to transmit on 11 meters (CB band) and kept
+ > the power down to 4 watts out, could I legally use it to transmit on
+ > that band?
+
+If you take it to the FCC lab and get it type accepted, yes.
+

None of the existing Amateur gear could pass..the controls allow for other than fixed-transmit frequencies. The power output is adjustable above the limits, the modulation can be run above limits, most rigs have FM - a mode that is illegal...nope, you couldn't get it type certified; it just won't qualify! The rules were designed to force the manufacturers into selling radios without those capabilities, and of such design that it is difficult to add such capabilities...like why do you think that Dynascan/Cobra keeps on making the Cobra 148GTL??? Because it's *very* easy to modify...and that's why people keep on buying them! Because of the way in which the rules were written, once a design is type certified so long as there are NO CHANGES, the company can keep producing and selling them..if they change something it's a new set of rules! The latest set insists on making it damn near impossible to modify the rig for increased frequency coverage (the '148 can go from 26.965-27.405 to

26.815-28.045 with just 3 silly jumper wires and 3 switches added to the existing PLL!) more power (the '148 can be turned up to almost 20w PEP SSB and 10-12w RMS for AM use!) or additional modulation modes. (again, the '148 can be made to do FM by adding a little kit that costs $20!)

In addition, it's pretty obvious that the manufacturers would rather sell millions of radios than thousands...hence they decided to do both by building units like the HR-2510/2600 - Ham radios...sure! A simple jumper, a cap or a new PLL chip and either of those units can operate on 26.00-30MHZ...presto! ..no type acceptance laws to worry about! It's NOT a CB! Yeah RIGHT!

The FCC hasn't got the time to bust hams for running their gear on 11 meters, and your risk-factor is small PROVIDED:

1) you DO keep it turned down to 3 or 4 watts RMS - otherwise you stick out like a sore thumb! Just like the guys that run linears only cleaner! ..if your antennas are really good on 10 & 11, crank it down more!

2) Watch your modulation % - most stock CB's have 65-70% max...a preamp mic (I use the Cobra Dynamic Plus..) turned DOWN to 2 or 3 will make you sound pretty much like a *verrrryyy clean* CB radio...most amateur mics sound pretty awful on AM..great for SSB but thin or hollow on AM, especially if the people listening to you are listening on CB receivers..which are not the greatest!

3) AVOID THOSE "funny freqs"...lot's of CBers insist on using the band between 27.405 and 28.0 You (as a HAM) should never operate there! You could lose your license in a flash! Most CBers never get caught..but I've know some Hams that have! A word to the wise...if they ask, just be cool..tell 'em you don't have "freqs"! Stick to the 40 channels...plenty of people to talk to there, besides some of the freebanders have been known to use their equipment for illegal acts - something you'd just hate yourself for if the FCC nailed you and decided that you were in on it!

4) You don't cause problems...TVI, RFI and the like, even complaints from other 11 meter users can be the catalyst for a complaint. Remember that most of the people on CB are non-technical, they tend to carry around a lot of misconceptions about the science of radio...don't abuse them for this: TEACH THEM! ONE AT A TIME! INVITE THEM OVER (if you trust them..) AND OFFER TO LET THEM BE A GUEST OPERATOR! YOU'LL BE AMAZED! Some of them will be so jazzed they'll go out and get a Novice ticket with a little encouragement from you! (I'm rather proud of the 12 people I did this with - they're good hams, they wern't bad CBers...)

5) Keep a low profile! The FCC is sooo overworked, and sooo underfunded it's unlikely that they will be doing much about 11 meters any time soon. They'd probably like to just ignore the problems there unless there is a reason to do otherwise...like those clowns that shout obscene remarks into their mics..or run a gallon of power...if you're cool about it, no one will ever know you're running ham gear..unless you tell them! And if someone *does* ask..tell them you're running a Stock Cobra 148GTL with a power mic!...there's millions of those things out there and it won't

arouse a bit of interest..

```
-Avatar-> (aka: Erik K. Sorgatz) KB6LUY           +-------------------------+
Citicorp(+)TTI                               *----------> panic trap; type = N+1 *
3100 Ocean Park Blvd. Santa Monica, CA  90405     +-------------------------+
{csun,philabs,psivax,pyramid,quad1,rdlvax,retix}!ttidca!sorgatz **
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR ITS MANAGEMENT!)
```

```
From 362296279222941467
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cf11c166b7a6699a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 01:47:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!ucsd!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: T2FD Antenna.
Message-ID: <07.Nov.90.09:54:27.GMT.#6214@UK.AC.NWL.IA>
Date: 7 Nov 90 09:47:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Wed Nov  7 10:47:50 1990
```

T2FD antenna - it actually stands for 'Tilted Terminated Folded Dipole'.
I dont understand the theory, (its for HF bands - i dont *WANT* to understand the theory!) but i do have various references to it in some ancient 1950's books i can dig out; - anybody interested?

```
                   Pete Lucas  PJML@UK.AC.NWL.IA  0793-411613

Please use the following addresses for reply:          +     \/Natural
                                                       +    \/\Environment
JANET    : PJML@UK.AC.NERC-WALLINGFORD.IBMA            +   \/\/Research
Internet : PJML%IA.NWL.AC.UK@NSFNET-RELAY.AC.UK        +  \/\/\Council
EARN     : PJML%UK.AC.NWL.IA@UKACRL                    +  NERC Computer Services
RADIO    : G6WBJ@GB7SDN.GBR.EU  {144.650MHz}           +   Holbrook House
SPAN     : STAR::\PJML%IA.NWL.AC.UK@NSFNET-RELAY.AC.UK +    Station Road
PHONE    : +44 (0)793411613                            +     SWINDON SN1 1DE
FAX      : +44 (0)793411503                            +      GREAT BRITAIN
```

```
From 7835447826427734967
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3c27ae1769c26021,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 04:03:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!rutgers!ucsd!ucbvax!dgc.ceo.dg.com!Pete_Simpson
```

From: Pete_Simpson@dgc.ceo.dg.com
Newsgroups: rec.ham-radio
Subject: NASA Satellite Elements Format
Message-ID: <9011071203.AA00038@rtp40.dg.com>
Date: 7 Nov 90 12:03:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Wed Nov 7 13:03:00 1990

CEO summary:
A message recently requested that the "actual" Keplerian elements be
posted to the net instead of the "two line format".
I'd like to thank Dr. Kelso for his reliable postings of the latest
elements (along with a format description). It's been several years
since I first started getting Info-Hams and Dr. Kelso has hardly
missed a beat. I believe the two line format is quite sufficient for
two reasons. First, Instant Track software loads it automatically and
second, it takes up less space on the digest than the longer "AMSAT"
format.
Again, thanks to Dr. Kelso for providing a most valuable service.
=================================
Peter Simpson, KA1AXY
Data General Corp M/S E132
Westboro, MA 01580
(508) 870-9837
Pete_Simpson@MERCURY.MCEO.DG.COM

From -8286809636435715356
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 04:03:31 PST
Path: gmdzi!unido!mcsun!hp4nl!phigate!philica!geertj
From: geertj@philica.ica.philips.nl (Geert Jan de Groot)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <702@philica.ica.philips.nl>
Date: 7 Nov 90 12:03:31 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct28.180507.10292@NCoast.ORG> <119@vdbsan.UUCP>
Reply-To: geertj@ica00.ica.philips.nl (Geert Jan de Groot)
Organization: Philips TDS, Innovation Centre Aachen
Lines: 21
Posted: Wed Nov 7 13:03:31 1990

In article <119@vdbsan.UUCP> brian@vdbsan.UUCP (Brian Bainter) writes:
>allbery@NCoast.ORG (Brandon S. Allbery KB8JRR) writes:
>
>>I request *again* reasons why CW *should* be required of *all* hams. Reasons
>>which do not boil down to negative arguments but positive ones saying what
>>specific benefit comes of requiring CW of all hams *and* *proving* *it* ---

>
>First of all I am not saying that I am opposed to no-code, but this quote
>above made me think a little bit. Brandon wants proof. Well, I want proof
>that a no-code license will have the desired effect. In business you do a
>market study before you put a product out.

Check into Europe, or Japan, or about every country other than the USA.
They have no-code licenses. As far as I know, all with positive effect.
In fact, at least in Holland, there are more no-code licenses than
code-full licenses.

This point has been made in the past. Usually, one studies a few months
on the subject before making a decision. Where were you?

73, Geert Jan

From -7705461450918281153
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,febe34bb4ac5b9bb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 04:38:33 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!rex!ukma!
usenet.ins.cwru.edu!abvax!iccgcc!macmillan
From: macmillan@iccgcc.decnet.ab.com
Newsgroups: rec.ham-radio
Subject: re: PRBWON-- still fighting
Message-ID: <1876.2737b9fa@iccgcc.decnet.ab.com>
Date: 7 Nov 90 12:38:33 GMT
Lines: 10
Posted: Wed Nov 7 13:38:33 1990

NA4G asks--

>...............if any of this is on electronic media, please
>email such to me. My mailer can handle files larger that 64k.

SEE #5883   rec.ham-radio

73   WA8ZHN

From -2569526626715060263
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 04:39:46 PST
Path: gmdzi!unido!mcsun!hp4nl!phigate!philica!geertj
From: geertj@philica.ica.philips.nl (Geert Jan de Groot)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing

Message-ID: <703@philica.ica.philips.nl>
Date: 7 Nov 90 12:39:46 GMT
References: <146@platypus.uofs.edu> <5suyR5w161w@phoenix.com>
Reply-To: geertj@ica00.ica.philips.nl (Geert Jan de Groot)
Organization: Philips TDS, Innovation Centre Aachen
Lines: 76
Posted: Wed Nov 7 13:39:46 1990

In article <5suyR5w161w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
>
>bill@platypus.uofs.edu (Bill Gunshannon) writes:
>>
>> The No-Code people are advocating it's elimination from the test, not the
>> banning of CW. The Pro-Code people equate non-testing with forbiding it's
>> use.
>
>   The no-code arguments I usually hear involve the creation of a license
>that has no code privileges. This is forbidding the use of code to those
>who have a no-code license, just like techs are forbidden to use voice
>below 6m. Thus, it is most no-code people who want a prohibition on code.
>
>   If the guvviment gives you a code privilege, it should test you on it
>to make sure you have rudimentary ability to use it. Just like the
>privilege you get to build your own radios has a test to make sure you
>have a rudimentary knowledge of how to do it. Or at least how to keep
>from burning up a lot of valuable electronic parts in the process.

Why? Myself, I have a no-code license, and yet I am allowed to use CW
if I like. The only requirement is that I ID. However, if my CW is bad
enough not to be copyable, ID in phone is perfectly legal within
my license. Some people use this possibility to study CW after they got
their no-code license and they decide they want a full license after
all (a very popular grow-path).

The need to know technical stuff is because 1. you need to know about
radio to successfully use it within the spectrum of modes the ham license
provides, and more important 2. you need to know about radio to lower
the chance that you cause disturbance to others, especially using
the (e.g. high-power) privileges your ham license provides.
If ham-radio were just low-power FM phone, radio knowledge
would be less required, but at least _you_, being a ham,
 should know what your transmissions can do to the operation
of neighbour's stereo :-).
That is why you may use modes what are more likely to cause
disturbance (SSB) and higher output levels.

I guess that if you burn up electonic parts in the experimenting process,
the {FCC, PTT, RTT, DBP, ..} will probably feel sorry for you, but you
probably learned from it in the process. You didn't harm others.
They wouldn't mind you burning some parts.

On the other hand, you should know what to do to make it very unlikely
that your just-built new transmitter doesn't home planes to your backyard

instead of the nearest airport.
Pirate transmitters built by people without radio knowledge tend to have
some nasty side-effects.

>   2. The international treaties governing radio demand it for activity
>below 30 MHz. As all current ham licenses have privileges below 30 MHz,
>it is required for all current ham licenses.

That is why many US pro-coders suggest a no-code [vus]hf-only license.
If only >30 MHz is allowed, morse code tests are not required.

My personal feeling is that these no-code licenses are very useful,
and have proven the concept for at least 30 years here.
I think it is time for the USA to come by to the rest of the world.

73, Geert Jan

PE1HZG [in case you wonder: that's a no-code CEPT class B license]

```
--8<--nip-nip------------------------------------------------------------

Geert Jan de Groot,         Email: geertj@ica.philips.nl
Philips ICA,                  ..!hp4nl!philica!geertj
Weisshausstrasse,      Ham: PE1HZG
5100 Aachen, West-Germany

phone: +49 241 6003 714      "Programs are like waffles:
fax:   +49 241 6003 709      you should always throw the first one out"
[Standard disclaimers apply]      - Sutherland
```

From 9081296991029032023
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cbce22e0b5a972da
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 05:28:56 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!ncar!umigw!
rsmas!eakin
From: eakin@rsmas.miami.edu
Newsgroups: rec.ham-radio
Subject: Re: 2m J-pole antenna
Message-ID: <10625.2737d3d8@rsmas.miami.edu>
Date: 7 Nov 90 13:28:56 GMT
References: <308.27361418@w8grt.fidonet.org>
Lines: 15
Posted: Wed Nov 7 14:28:56 1990

In article <308.27361418@w8grt.fidonet.org>, root@w8grt.fidonet.org (Jim Grubs)
writes:
>
> One way to make a twinead J-pole with greater mechanical strength is to slip

> the sucker inside a 6 ft piece of of PVC pipe and seal the ends.

Ever look inside a fiberglass marine antenna? It's a coaxial J-pole in a fiberglass tube.

73 de Mark

--
C. Mark Eakin
Internet: Eakin@RSMAS.miami.edu
Amateur Radio: N4SYK   Packet Radio: N4SYK@AB4LU.FL.USA.NA
USnail: Univ. of Miami, RSMAS-BLR, 4600 Rickenbacker Cswy. Miami, FL 33149-1098

From 4812310341956809383
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,808645906e8d3fb9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 05:53:40 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!cornell!rochester!udel!wuarchive!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: CW Contests and "artificialaids"
Message-ID: <149@platypus.uofs.edu>
Date: 7 Nov 90 13:53:40 GMT
References: <11334.2736a41c@ecs.umass.edu>
Organization: University of Scranton, Scranton, PA
Lines: 25
Posted: Wed Nov 7 14:53:40 1990

In article <11334.2736a41c@ecs.umass.edu>, scott@ecs.umass.edu writes:
>
>   Re: Sweepstakes. There seemed to be lots and lots of cw in the
> RTTY and AMTOR segments. I realize that 14.070 to 14.090 (and similar
> segments in the 15m and 10m bands) are for the digital modes only by
> "gentlemen's agreement" (sorry about gender insensitivity).

10 meters was just as bad. For most of the afternoon, it was virtually impossible to copy packet as the 50 over 9 CW stations completely blanketed the S5 packet stations. Other than the blatant interference that is common during contests, makes you wonder what happened to "use only the power necessary." If CW is so much more efficient, why do CW ops run so much more power than the packet stations??

I wish there were at least one weekend without a contest. There are other uses for the spectrum, and I work all week too.

bill   KB3YV

```
--

     Bill Gunshannon          |        If this statement wasn't here,
     bill@platypus.uofs.edu   |  This space would be left intentionally blank


From -1531722203343949045
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2631dd02572e2d70
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 06:09:37 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!wuarchive!udel!haven!
decuac!shlump.nac.dec.com!ryn.esg.dec.com!ultnix.enet.dec.com!taber
From: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Newsgroups: rec.ham-radio
Subject: Re: Genderless pronoun: na
Message-ID: <1990Nov7.090937@ultnix.enet.dec.com>
Date: 7 Nov 90 14:09:37 GMT
References: <15503@burdvax.PRC.Unisys.COM> <EF5525CFCB20601320@UCBEH.SAN.UC.EDU>
<1990Nov6.010459.674@informix.com>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Organization: KC1TD@KB4N.NH.USA.NA.EARTH.SOLAR_SYSTEM.UNIVERSE.MIND_OF_GOD
Lines: 18
Posted: Wed Nov  7 15:09:37 1990

In article <15503@burdvax.PRC.Unisys.COM>, techpubs@PRC.Unisys.COM (Technical
Pub. Vince Short) writes:
|>
|>Quite frankly, I find the whole topic to be so void of merit, that it taxes my
|>patience. So, now, with the semantics out of the way, can we get down to
|>business and resume the typical informed technical and relevant discussions
|>that make reading this forum such a pleasureable and rewarding experience for
|>all involved?
|>

So are yo usaying that you posted to rec.ham-radio as a mistake?

--
                                             >>>==>PStJTT
                                     Patrick St. Joseph Teahan Taber, KC1TD

If I was authorized to speak for my employer, I'd be too important to
waste my time on this crap....


From -3822335409775909820
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a45b79d5f401e438,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 06:14:59 PST
Path: gmdzi!unido!mcsun!inria!corton!irisa!cicb!clavelei
From: clavelei@cicb.fr (Christian Claveleira - CICB Rennes)
```

Newsgroups: rec.ham-radio
Subject: Re: Looking for references on CW decoding
Message-ID: <1990Nov7.141459.13692@cicb.fr>
Date: 7 Nov 90 14:14:59 GMT
Sender: news@irisa.fr
Reply-To: clavelei@cicb.fr (Christian Claveleira - CICB Rennes)
Organization: CICB - Universite' de Rennes I (FR)
Lines: 25
Posted: Wed Nov 7 15:14:59 1990

In article <9010261259.AA18872@ucsd.edu>,houlejm@ireq.hydro.qc.ca (Jean-Marie Houle) writes:
| In article <9010261259.AA18872@ucsd.edu> daniel@SICKKIDS.TORONTO.EDU
| (Daniel Guerin) writes:
| > I am interested in building a morse code decoder for a Macintosh.
| > So I am looking for the following:
| > - schematic for a low cost A/D converter which could send the samples
| >   in serial form for capture via the Macintosh serial port
| > - reference to articles on algorithms for morse decoding; I am looking
| for
| >   something that could automatically adapt to varying speed etc...
|
| I could suggest using the sound input on the new Macs or an equivalent
| (Mac recorder from Farallon) for the older macs, Then digitally process
| the signal to get the code out of it and then decode the morse.
|

Interesting but the Mac is probably a poor DSP ;-)

| Personnally I would demodulate the audio externally and feed the resulting |
digital signal to one of the handshake lines of the serial port and do only the |
morse decoding in the mac.
|
| I know nothing on algorithms for morse decoding but would like to have a
| look at that.

I'm experimenting a morse decoder whose harware part is built on a home-made fax demodulator : a tone decoder feed one of the 8 bits of the parallel/serial converter used for the fax signals. The serial words are sent on one of the Mac serial ports

From 2419181414211089846
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8947da0d6e77d4f2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 06:16:22 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!cs.umn.edu!msi.umn.edu!src.honeywell.com!uwm.edu!wuarchive!emory!gatech!ukma!andreap
From: andreap@ms.uky.edu (Peach)
Newsgroups: rec.ham-radio

Subject: Re: T33X
Message-ID: <andreap.657987382@s.ms.uky.edu>
Date: 7 Nov 90 14:16:22 GMT
References: <3380@ryn.esg.dec.com>
Organization: U of Ky, Math. Sciences, Lexington KY
Lines: 23
Posted: Wed Nov 7 15:16:22 1990

reisert@ricks.enet.dec.com (Jim Reisert) writes:
I saw a DX posting for this station on the local PacketCluster, last
night.

FYI

Harold, N4FLZ, hgpeach@ca.uky.edu (128.163.192.1)

>According to our PacketCluster (tm), Baldur, DJ6SI, has arrived on Banaba
>and is waiting for the other ops. What else is there to do besides operate?
>Anyway, WFWL.

>jim, AD1C

>=-=

>"The opinions expressed here in no way represent the views of Digital
> Equipment Corporation."

```
>James J. Reisert                Internet: reisert@ricks.enet.dec.com
>Digital Equipment Corp.         UUCP:     ...decwrl!ricks.enet!reisert
>77 Reed Road
>Hudson, MA  01749-2895
```

From -2191704190165313767
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd4057e78fc0fb0d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 07:25:01 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!crdgw1!greenba
From: greenba@gambia.crd.ge.com (ben a green)
Newsgroups: rec.ham-radio
Subject: Re: T2FD Antenna
Message-ID: <GREENBA.90Nov7102501@gambia.crd.ge.com>
Date: 7 Nov 90 15:25:01 GMT
References: <502@ssc.UUCP> <1990Nov6.221020.29677@cbnewsj.att.com>
Sender: news@crdgw1.crd.ge.com
Organization: GE Corporate Research & Development
Lines: 13
Posted: Wed Nov 7 16:25:01 1990
In-reply-to: k2ph@cbnewsj.att.com's message of 6 Nov 90 22:10:20 GMT

Regarding the folded dipole with a terminating resistor (T2FD) ...

Remember that a simple 50 ohm resistor will give you a VSWR of 1.000 on all parts of all bands.

Give me an antenna with lousy VSWR. At least, if I tune it a bit, it will radiate!

NQ2H
--
Ben A. Green, Jr.
Q: What shall we do about ignorance and apathy?
A: I don't know and I don't care.

From -4387495318247265333
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,94baef51ed38ba83,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,94baef51ed38ba83,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-11-07 08:14:10 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!aplcen!haven!wam!kingdon
From: kingdon@wam.umd.edu (John S. Kingdon)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Hams using Macintoshs **READ THIS**
Message-ID: <1990Nov7.161410.12917@wam.umd.edu>
Date: 7 Nov 90 16:14:10 GMT
Sender: usenet@wam.umd.edu (USENET Posting)
Reply-To: kingdon@wam.umd.edu (John S. Kingdon)
Organization: University of Maryland at College Park
Lines: 73
Xref: gmdzi rec.ham-radio:16603 rec.ham-radio.packet:3009
Posted: Wed Nov 7 17:14:10 1990

I am posting this for WD1V, the moderator of Macnet.
Please do NOT respond to this account.

Macnet is FREE and available to all. What WD1V has done is put together, via packet radio,is a list of hams throughout the world who use Macintoshs, so that they might converse about Macs and ham radio. He also maintains a Macintosh public domain software base for ham radio. Currently, the base is about 10 Megs! The following is his Invitation to Macnet as well as a list of the public domain software disk names. Send a SASE with a FORMATTED disk for the Macnet general info and the list of hams which WD1V has compiled. For each disk you want,send the disk name as well as a FORMATTED disk and SASE.

As soon as you send your stats in, you are a member of Macnet.

I would like to thank John WD1V for his efforts to bring together the Macintosh Ham community. He has done a very good job.

Please do NOT respond to this account. Contact John WD1V via packet radio at
WD1V@KB4N.NH.USA.NA, or send a letter to the address below.

John Kingdon KA3VJH

INVITATION

>If you are using an Apple Macintosh with your amateur radio, join the ranks
>of Macnet -the consortium of hams with Mac's that share information, software,
>packets, and solutions! To join, simply send a disk (800K) with SASE to:
>
>   John D. Seney, WD1V
>   144 Pepperidge Drive
>   Manchester, NH 03103
>
>Include a text file and relate your full name, address, city, state,
>zip, call, home BBS, type Mac, type radios, interests, projects, comments,
>questions, software used, etc. We now have more than 180 members!
>
>I'll return your disk with our entire membership's stats, PD software, and
>articles submitted by our members covering a broad range of topics. Armed with
>all our stats, you'll be able to contact any member(s) you like via packet (or
>other modes) and have some great exchanges!
>
>If you've already joined, you may send a disk anytime for a copy of our latest
>roster and news. 73 and Happy Mac'n!
>
>John D. Seney, WD1V@KB4N.NH.USA.NA
>
>--
>   MACNET PUBLIC DOMAIN SOFTWARE DISK LIBRARY - 1990 EDITION
>
>Note: Each disk contains the BEST collections to date of PUBLIC DOMAIN and
>SHAREWARE programs donated by Macnet members.
>
>Every disk received is examined both for potential software additions to our
>library as well as potential virus content. Macnet urges all members to be on
>the lookout for viruses - they are the hidden transmitters of the 1990's!
>
>Disk List:
>Diamond5.0 Packing Utility (:)
>DX1
>DX2
>MacContest 3.2 US
>macnet ARRL
>macnet FAX/ATV
>macnet GROUP & INFO
>macnet SATELLITES
>macnet TESTS
>Packet Macs v1.64-110
>
>Send FORMATTED 800K disks and SASE disk mailers with YOUR best and favorite

>PUBLIC DOMAIN contributions to:
>WD1V - John D. Seney, 144 Pepperidge Dr., Manchester, NH 03103 - U.S.A.

From 6750683938543653061
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,808645906e8d3fb9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 08:23:50 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!hpcuhb!hpda!hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: CW Contests and "artificialaids"
Message-ID: <7120148@hpcupt1.cup.hp.com>
Date: 7 Nov 90 16:23:50 GMT
References: <11334.2736a41c@ecs.umass.edu>
Organization: Hewlett Packard, Cupertino
Lines: 9
Posted: Wed Nov 7 17:23:50 1990

Well, during the the CQ WW RTTY contest RTTY was in the "AMATOR" band
segment and in the top end of the "CW" band. On 40 meters, the DX
window for RTTY is at 7.03. I have worked European stations there.
The ARRL RTTY Roundup tends to spread out of the "RTTY" band a bit
also. Seems to be some give and take here. Legally CW can be worked in
the entire band.
73's
Jim, WA6SDM
hpcupt1.cup.hp.com

From 8871154167437720163
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e936293d2fd4f623
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 08:38:50 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!apple!sun-barr!newstop!sun!amdcad!mozart.amd.com!reed
From: reed@mozart.amd.com (David F. Reed)
Newsgroups: rec.ham-radio
Subject: Re: Antenna remote location
Keywords: antenna, remote
Message-ID: <1990Nov7.163850.20929@mozart.amd.com>
Date: 7 Nov 90 16:38:50 GMT
References: <950@jetsun.weitek.COM>
Organization: Advanced Micro Devices, Inc.
Lines: 47
Posted: Wed Nov 7 17:38:50 1990

In article <950@jetsun.weitek.COM> johnm@jetsun.weitek.COM (John Mcleod) writes:
>
>I have a housing site in the hills which affords the use of hill

>behind the site which is about 4-500 feet higher, which is also part
>of my land. I would like to place my antenna at the top of this hill.
>The horizontal distance is about 200 feet. The problem of course,
>is connecting the radio to the antenna. Cable sounds too expensive.
>Has anyone on the net had any experience or thoughts to relate on
>this problem (radio links, remote transmitters, etc ?). Thanks in
>advance.
>
>- John
>
>
John,
You probably will find that good cable is far cheaper than a remote base.
for example, running a RG213 run of 1000', you can probably buy the cable
in those lengths for 300 to 500 bucks...

I have set up a remote base on 440 MHZ (actaully repeater / remote base, 442.150)
and it controls my antenna selection, rotor heading, tunes up, down, etc.
selects all modes, the whole thing... ok, so how much $$$?
repeater: about 1k, controllers for repeater, remote base, etc. $2K,
antenna for repeater 400 buck, etc. etc. plus a lot of time getting it all
working.

It works great, and others can benefit from it, but I do not think MOST people
would spend that sort of money and effort when a less than 1000' run of low
loss cable would do it...

on VHF/UHF, you may want to look at a nomograph to compare line loss vs. height
gain, plus see the "blind side" of the hill....

If you want more details on the remote base solution, it can be done cheaper;
I have a friend who did his using a c-64, homebrew repeater, etc., and his is
cheaper, but would still be more than the cable, higher time investment,
more maintenance, etc.

even with off the shelf components, it is not a plug in and play solution...

cheers
Dave

--
____
"...just my opinion, not speaking for AMD." KK5D / 7J1AGO etc.
David F. Reed   4512 Clarno   Austin TX 78749
packet: KK5D@KB5PM   driving by? try 442.150 repeater

From 1762125598984665321
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,caa7b09a232bb19
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,cc868cf1173b9587

X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,cc868cf1173b9587
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,cc868cf1173b9587
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-07 08:47:41 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!isi.edu!venera.isi.edu!onder
From: onder@ISI.EDU (Bruce Onder)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: Hams,Public service/mods to radios for 11 meters
Message-ID: <15565@venera.isi.edu>
Date: 7 Nov 90 16:47:41 GMT
References: <306.27359C32@w8grt.fidonet.org> <21057@ttidca.TTI.COM>
Sender: news@isi.edu
Organization: USC-ISI
Lines: 15
Xref: gmdzi rec.radio.shortwave:2636 rec.ham-radio.swap:754 rec.ham-radio.packet:3010 rec.ham-radio:16606
Posted: Wed Nov 7 17:47:41 1990
In-reply-to: root@ttidca.TTI.COM's message of 7 Nov 90 05:19:26 GMT

In article <21057@ttidca.TTI.COM> root@ttidca.TTI.COM (The Root of all Evil) writes:

> and 10-12w RMS for AM use!) or additional modulation modes. (again, the
> '148 can be made to do FM by adding a little kit that costs $20!)

This may be a dumb question, but is there any reason to modify a CB to use FM?

Brewster

--
Bruce W. Onder   onder@isi.edu

"Sally and Sue, don't be blue/We'll just be gone for years and
years and then/We're shovin' right off for home again!" -- Conrad the Sailor

---

From -8231723547359992495
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5edc238380a90a66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 09:13:58 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!mikemr
From: mikemr@microsoft.UUCP (Michael MRAZ)
Newsgroups: rec.ham-radio
Subject: Re: Abbreviation "QAM"
Message-ID: <58879@microsoft.UUCP>
Date: 7 Nov 90 17:13:58 GMT
References: <3986@network.ucsd.edu>

Organization: Microsoft Corp., Redmond WA
Lines: 4
Posted: Wed Nov 7 18:13:58 1990

I have no idea what this could mean in the context of German weather broadcasts, but it is an abbreviation for quadrature amplitude modulation.

From -7540298458309639 61
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 09:47:42 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!news-server.csri.toronto.edu!cs.utexas.edu!wuarchive!usc!apple!xanadu!jeff
From: jeff@xanadu.com (Jeff Crilly N6ZFX)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov7.174742.10452@xanadu.com>
Date: 7 Nov 90 17:47:42 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp> <7880341@hpfcdc.HP.COM> <1990Nov6.172134.29539@midway.uchicago.edu>
Organization: AMIX Corporation, Palo Alto, CA
Lines: 31
Posted: Wed Nov 7 18:47:42 1990

In article <1990Nov6.172134.29539@midway.uchicago.edu> pbhx@ellis.uchicago.edu (Peter B. Hayward) writes:
>In article <7880341@hpfcdc.HP.COM> ajs@hpfcdc.HP.COM (Alan Silverstein) writes:
>
>>
>>So it seems clear to me that it's an improper REQUIREMENT. Regardless
>>of how easy it is to learn, regardless of how nice or fun or efficient
>>it is, if it's not something you must know to be a successful ham and
>>to contribute to the hobby, it's an improper requirement.
>>
>
>Alan, the unfortunate thing is that it is required by international
>agreement for work on the HF bands. However, what is NOT required by
>that agreement is speed above 5 wpm. Since we HAVE to have code for
>HF, we should test ONLY at 5 wpm. If people think it would be nice to
>show greater proficiency than 5 wpm, let's roll that into the written
>exam process by adding questions to the written. I.e., let's add 5
>code questions to the extra, increasing the questions asked to 55 and
>the passing score to 41. That way, if you fail the five code
>questions, you don't fail the test.
>---------------------------
>Peter B. Hayward   N9IZT/AE
>University of Chicago Computing Organizations

Peter, This is the most sensible thing I've heard in the code vs.

no-code debate.   Thank you for clarifying the matter about the
international agreement and 5wpm. Now we can finally let the
thread drop. Thanks.

Jeff Crilly (N6ZFX)
AMIX Corporation 2345 Yale Street Palo Alto, CA 94306
jeff@amix.com, {uunet,sun}!markets!jeff, N6ZFX@N6IIU.#NOCAL.CA.USA

From 1612139696009355375
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a52980d2c3608d8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 10:08:21 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!mips!twg.com!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: Re: K1EA Software CT.EXE
Keywords: Logging software contest
Message-ID: <8236@gollum.twg.com>
Date: 7 Nov 90 18:08:21 GMT
References: <798@idacrd.UUCP> <46232@apple.Apple.COM>
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 14
Posted: Wed Nov 7 19:08:21 1990

In article <46232@apple.Apple.COM> winter@Apple.COM (Patricia Winter) writes:
>
>
>Don't let this get around :-), but I also used CT in the contest and liked
>it a lot. So when is someone going to write a similar program for the
>Macintosh?
>

According to the survey in the NCJ last quarter, it was only something like 3%
(I'm trusting my memory here, so be gentle) of the contesters that use Mac's.
Not enough of a market to make it worth anybody's while! I guess individuals
(as opposed to businesses) just object to having to pay Apple 2x the price
they would pay for a clone with the same power. Then there's the business of
getting your mouse cord wrapped around your paddle cable and ending up with
mouse droppings all over the log :-) !

From 2182572859943730890
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,26f274d88829e672,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 10:28:40 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!news-server.csri.toronto.edu!
cs.utexas.edu!wuarchive!usc!apple!agate!shelby!paulf@shasta.Stanford.EDU
From: paulf@shasta.Stanford.EDU (paulf)
Newsgroups: rec.ham-radio

Subject: Re: (none) (really: human auditory system and CW vs Voice)
Message-ID: <7@shasta.Stanford.EDU>
Date: 7 Nov 90 18:28:40 GMT
References: <9011071532.AA08784@tilde>
Organization: The Three Packeteers
Lines: 32
Posted: Wed Nov 7 19:28:40 1990

In article <9011071532.AA08784@tilde> dube@cpdvax.csc.ti.com writes:
>Pardon me for nit-picking. The auditory system is optimized for the frequency
>range in which speech occurs. The brain does the rest, according to how it's
>trained. For instance, many people understand speech in the English language,
>but can't understand Tagalog any better than they can Morse code.

I was imprecise. The auditory system doesn't include the signal processing equipment on the back end, so in that sense, you're right.   However, our signal processing equipment is trained for speech and not CW; there may be a few individuals out there who use CW more than they speak, but I wouldn't bet the farm on it.

>So one might be able to actually hear both speech and CW frequencies with
>equal ease, but I submit that it is easier to mentally "tune" the auditory
>system for a single frequency under weak signal conditions than it would be to
>tune it for the entire speech frequency band. IMHO this is the analogous to
>peaking a tuned circuit for a single signal instead of flattening it into a
>broad-banded device.

Again, this is probably true for signal DETECTION, but not for DECODING. First of all, human beings make use of intonation and inflection for some information, much of which is redundant. More importantly, though, is that the symbol time for speech is much longer than for CW. This is critical in a Rayleigh fading environment, where you have short deep fades.   Those short deep fades completely cover one or more CW symbols, but only part of a word (arguably, part of a phoneme). Above 30 MHz this isn't the case, since Rayleigh fading does not predominate the way it does at HF. Here again, CW does have some merit, although much of it is lost in lousy wide filters.

-=Paul Flaherty, N9FZX | Life is an inherent shift - reduce conflict.
->paulf@shasta.Stanford.EDU |

From 4540448967314224107
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10e47a2a93180bce,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 10:39:23 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!uwm.edu!cs.utexas.edu!wuarchive!usc!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!aplcen!haven!decuac!shlump.nac.dec.com!hlis07.dec.com!wim
From: wim@hlis07.dec.com (W.M. Beekman jr.-PA3AGZ Digital Equipment Corp. [31]30-832088)
Newsgroups: rec.ham-radio

Subject: Satellite burn ?????
Message-ID: <17003@shlump.nac.dec.com>
Date: 7 Nov 90 18:39:23 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 21
Posted: Wed Nov 7 19:39:23 1990

Hi,

I posting this for a friend, who has no usenet access.
On the 5 nov. 17.40-17.50 Zulu, moving from North to South direction, a
satellite burning in the athomosfere.

Is there somebody on the net, who can confirm this ?
Did we lose a amateursatellite ?

73's de Wim PA3AGZ

```
=========================================================================
Wim Beekman PA3AGZ     wim@hlis07.dec.com
Digital Equipment B.V.      -- or -- !decwrl!hlis07.dec.com!wim
Utrecht, The Netherlands    -- or -- wim%hlis07.dec@decwrl.dec.com

=========================================================================
"The opinions expressed here are my own and in no way represents the views
 of Digital Equipment Corporation "
=========================================================================
```

From -5547366887066401617
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd4057e78fc0fb0d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 11:05:21 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: T2FD Antenna
Message-ID: <13498@crdgw1.crd.ge.com>
Date: 7 Nov 90 19:05:21 GMT
References: <502@ssc.UUCP> <1990Nov6.221020.29677@cbnewsj.att.com>
<GREENBA.90Nov7102501@gambia.crd.ge.com>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 25
Posted: Wed Nov 7 20:05:21 1990
In-reply-to: greenba@gambia.crd.ge.com (ben a green)

In article <GREENBA.90Nov7102501@gambia.crd.ge.com>, greenba@gambia (ben a green)
writes:

>Regarding the folded dipole with a terminating resistor (T2FD) ...

>Remember that a simple 50 ohm resistor will give you a VSWR of 1.000
>on all parts of all bands.

>Give me an antenna with lousy VSWR. At least, if I tune it a bit,
>it will radiate!

It also may melt.

I don't know about the t2fd, but if you peruse the ARRL handbook, you can find nonresonant antennas with 10+ db of gain even after accounting for loss in the terminating resistor. They are a bit large to be rotatable, but if they are pointed in the direction you want they should work well. In some cases they can be remotely switched from resonant to non-resonant modes just by putting the termination on a relay.

You might want another antenna for a specific band, but to me it is worth giving up 2 db in return for something that will load up anywhere from 160 to 10 meters with no hassle.

-don perley - ke2tp
perley@trub.crd.ge.com

From -6006070622563374019
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 11:36:36 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!swbatl!ken
From: ken@swbatl.sbc.com (Ken Gianino 5-9081)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov7.193636.6354@swbatl.sbc.com>
Date: 7 Nov 90 19:36:36 GMT
References: <7880341@hpfcdc.HP.COM> <1990Nov6.172134.29539@midway.uchicago.edu>
<1990Nov7.174742.10452@xanadu.com>
Organization: Southwestern Bell Advanced Technology Laboratory
Lines: 3
Posted: Wed Nov 7 20:36:36 1990

This is a test. I have figured out how to use the global KILL file.
I will never read another "code" or "cw" posting again.

From 4082685681624102671
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8947da0d6e77d4f2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 12:36:39 PST

Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!sdd.hp.com!
uakari.primate.wisc.edu!aplcen!haven!decuac!shlump.nac.dec.com!ryn.esg.dec.com!
ricks.enet.dec.com!reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: Re: T33X
Message-ID: <3387@ryn.esg.dec.com>
Date: 7 Nov 90 20:36:39 GMT
Sender: guest@ryn.esg.dec.com
Organization: Digital Equipment Corporation - Hudson, MA
Lines: 20
Posted: Wed Nov 7 21:36:39 1990

In article <7120146@hpcupt1.cup.hp.com>,
     tomg@hpcupt1.cup.hp.com (Tom Graham) writes...
>
>(about Kiyoko operating from C21NI)

She was heard to have said she was moving to T30 today. Guess I missed
another new one on 10M SSB!

Jim, AD1C

=-=

"The opinions expressed here in no way represent the views of Digital
 Equipment Corporation."

```
James J. Reisert                Internet: reisert@ricks.enet.dec.com
Digital Equipment Corp.         UUCP:     ...decwrl!ricks.enet!reisert
77 Reed Road
Hudson, MA  01749-2895
```

From -3684847105091588365
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 12:40:20 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!hpb
From: hpb@unix.cis.pitt.edu (Harry P Bloomberg)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <58009@unix.cis.pitt.edu>
Date: 7 Nov 90 20:40:20 GMT
References: <7880341@hpfcdc.HP.COM> <1990Nov6.172134.29539@midway.uchicago.edu>
<1990Nov7.174742.10452@xanadu.com> <1990Nov7.193636.6354@swbatl.sbc.com>
Reply-To: hpb@unix.cis.pitt.edu (Harry P Bloomberg)
Organization: Univ. of Pittsburgh, Panther Amateur Radio Club
Lines: 13
Posted: Wed Nov 7 21:40:20 1990

In article <1990Nov7.193636.6354@swbatl.sbc.com> ken@swbatl.sbc.com (Ken Gianino 5-9081) writes:
>
> This is a test. I have figured out how to use the global KILL file.
> I will never read another "code" or "cw" posting again.

Great! Could you please post it to the net? I'm sure that there's many others who are not unix wizards who would also like to know how to do this. Let the muttonheads argue among themselves and leave the rest of us alone!

73,
Harry Bloomberg
hpb@hpb.cis.pitt.edu or
hpb@vms.cis.pitt.edu

From 6211677640892738408
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c8d0b27844d5b15,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 12:43:47 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!larry!dem
From: dem@larry.sal.wisc.edu (Donald Michalski)
Newsgroups: rec.ham-radio
Subject: Matchbox
Keywords: Matchbox
Message-ID: <1165@larry.sal.wisc.edu>
Date: 7 Nov 90 20:43:47 GMT
Organization: Space Astronomy Lab, Madison WI
Lines: 11
Posted: Wed Nov 7 21:43:47 1990

I recently purchased an old Johnson Matchbox, Jr. Unfortunately, no manual came with it. Does anyone have a manual for it, or its big brother, or know where to get one? I'd be willing to cover copy costs and provide SASE. Thanks.

Don Michalski
W9IXG
4214 Mohawk Dr.
Madison, WI 53711
dem@sal.wisc.edu

From 4191368696561607769
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8545d3eff0750a1a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 13:06:07 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube

From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9011072106.AA06605@tilde>
Date: 7 Nov 90 21:06:07 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Wed Nov 7 22:06:07 1990

In <gary@ke4zv.UUCP (Gary Coffman)> Gary writes:

(much deleted)

>It won't be easy reversing the image of ham radio as a cliquish bunch of weird
>old men playing with radios. But, with the removal of an archaic obstacle to
>entry, there is a chance that it can be done. With a lot of hard work and
>some smart promotion, the old girl may come back to life yet.
>
>Gary KE4ZV

Well, Ham RADIO is, in fact, old men (young men, old women, young women, even children) playing with radios. That's why it's called amateur RADIO, IMHO.
Bob West issued a challenge in a recent posting to define the "new image" of amateur radio. Let's see your idea of how the image ought to be reversed.

Will it be amateur radio, wireless computering, what?

73,
Dube   N5PDK

From -5737928922149319426
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ec683be702918cc8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 13:13:47 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!wuarchive!udel!rochester!cornell!lrj
From: lrj@ishtar.cs.cornell.edu (Lew Jansen)
Newsgroups: rec.ham-radio
Subject: Re: ICOM 2SAT and 24AT Problem
Message-ID: <48052@cornell.UUCP>
Date: 7 Nov 90 21:13:47 GMT
References: <728@ilpc07>
Sender: nobody@cornell.UUCP
Reply-To: lrj@cs.cornell.edu (Lew Jansen)
Organization: Lab of Atomic and Solid State Physics, Cornell University
Lines: 18
Posted: Wed Nov 7 22:13:47 1990

In article <728@ilpc07> <pyossi@iil.intel.com> writes:
>Both are "opened" for receive as appeared on the net, but both

>have an offset only in 25KHz steps. So for example I cannot program
>them to receive on 145.600 and transmit on 145.010 (580KHz offset).
>Is it a bug on those HTs or it can be solve by some modification?

For what it's worth, I tried the above on my Icom IC-2GAT, serial number 02880. The offset step size can be as low as 5 kHz; the step size when setting it matches the VFO tuning step size. Thus, if your tuning step size is at 25 kHz, your offset step size will be 25 kHz.

Of course, the 2GAT is (as far as I can tell) a totally different creature than the 24AT or 2SAT...

-- Lewis R. Jansen, N2KNV   lrj@helios.tn.cornell.edu
LASSP/LNS Systems Manager   (607) 255-6065

"You can't fight in here, this is the War Room!"

From -8245293588844125763
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-07 13:21:23 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!aplcen!haven!decuac!shlump.nac.dec.com!delni.enet.dec.com!goldstein
From: goldstein@delni.enet.dec.com (Fred R. Goldstein k1io)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <17036@shlump.nac.dec.com>
Date: 7 Nov 90 21:21:23 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 39
Posted: Wed Nov 7 22:21:23 1990

In article <7880343@hpfcdc.HP.COM>, perry@hpfcdc.HP.COM (Perry Scott) writes...
>Somehow, I have trouble swallowing the argument that 5 WPM code keeps
>the brightest minds out of Radio. A truly disciplined mind will
>recognize the CW requirement for what it is ("an interesting, but
>irrelevant baseband modulation example"), spend the 6 hours or whatever
>learning it, and then get on with being brilliant.
>Besides, computer hackers can make more money in their spare time by
>hacking computers than by using _Amateur_ (read "non-profit") Radio.

I repeat a point I made in the past. Morse is a marketing disaster.

I work at an establishment that designs advanced computer networks, including hardware, software, protocols, etc. This place is lousy with EEs. Yet I have met very, very few people interested in getting started in ham radio for the first time. A few have gotten licensed again after years, or after being interested as kids, but few "virgins".

Sometimes people begin to get interested. Then they inevitably ask the question, "Do you still need to know the morse code?" Given that the answer here is still "yes", they immediately lose all interest.

I sometimes say, "But the FCC has indicated that they'll probably drop it soon". They then suggest that they may become interested after that happens.

These aren't spoiled wimps. They just don't want to waste time learning an antiquarian skill as a hazing ritual. If you want to communicate, the Usenet is zillions of times faster and more reliable than ham radio will ever be. They want to hack, but feel that the hazing code makes a fool of them.

And I'm a CW operator, so don't give me any crap about my own lack of effort. I like to _use_ CW. I just don't like to _require_ it.

Fred R. Goldstein k1io   Digital Equipment Corp., Littleton MA
goldstein@delni.enet.dec.com   voice: +1 508 486 7388
Do you think anyone else on the planet would share my opinions, let alone a multi-billion dollar corporation?

From -2841487245430374495
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8484e08598c04bf2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 14:24:50 PST
Path: gmdzi!unido!mcsun!uunet!wa3wbu!john
From: john@wa3wbu.UUCP (John Gayman)
Newsgroups: rec.ham-radio
Subject: Re: NASA Prediction Bulletin Format
Summary: elements
Message-ID: <743@wa3wbu.UUCP>
Date: 8 Nov 90 22:24:50 GMT
References: <9011051510.AA28371@blackbird.afit.af.mil>
<1990Nov6.134542.2884@santra.uucp>
Organization: @ WA3WBU, Marysville, PA
Lines: 28
Posted: Thu Nov 8 23:24:50 1990

In article <1990Nov6.134542.2884@santra.uucp>, s36572u@puukko.hut.fi (Karl R. Tigerstedt) writes:
>
> Please send the actual keplerians, since I believe they are of greater value to the amateur radio society than the 2-line format description.
> Why has the posting of keplerians lately ceased? A couple of months ago we still received regular postings...

From comments I've seen, more people actually prefer the 2-line elements. For one they take up WAY less space when trying to exchange them over packet links. Also, most of the current tracking programs have the ability to directly digest the 2-line elements and automatically update your entire satellite database. For those who absolutely need the long-form elements, there is a small program called "eletrans" that converts the 2-line elements into the standard human-readable output.

I also appreciate the postings. I forward them locally to a few packet BBS's and I'm always receiving comments to the effect of "more, more!" :-)

John

--
John Gayman, WA3WBU | UUCP: uunet!wa3wbu!john
1869 Valley Rd. |
Marysville, PA 17053 | Packet: WA3WBU @ WB3EAH

From 2541478105509486694
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8545d3eff0750a1a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 14:31:49 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Ham Radio Futures
Message-ID: <1514@ke4zv.UUCP>
Date: 8 Nov 90 22:31:49 GMT
References: <9011072106.AA06605@tilde>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 76
Posted: Thu Nov 8 23:31:49 1990

In article <9011072106.AA06605@tilde> dube@cpdvax.csc.ti.com writes:

>In <gary@ke4zv.UUCP (Gary Coffman)> Gary writes:
>
>(much deleted)
>
>>It won't be easy reversing the image of ham radio as a cliquish bunch of weird old men playing with radios. But, with the removal of an archaic obstacle to entry, there is a chance that it can be done. With a lot of hard work and some smart promotion, the old girl may come back to life yet.
>>
>>Gary KE4ZV
>
>Well, Ham RADIO is, in fact, old men (young men, old women, young women, even children) playing with radios. That's why it's called amateur RADIO, IMHO. Bob West issued a challenge in a recent posting to define the "new image" of amateur radio. Let's see your idea of how the image ought to be reversed.

>
>Will it be amateur radio, wireless computering, what?
>
>73,
>Dube   N5PDK

I have a distinct bias towards experimentation rather than contesting or DXing so I may be out of step with a lot of folks on here. I think of amateur radio basically as a place where one can learn through experimentation and self study about electronics and radio. Amateur radio led me directly into my professional work in broadcasting. I would hope for an amateur radio that can lead other young people into technical careers.

The problem with amateur radio today, as I see it, is that the entrance requirements are no longer relevant to the type of electronic communications that people are interested in today. This is the primary reason that I support a no code license. When I was first licensed in 1964, I struggled through the code because it was one of the two major modes of communications in amateur radio. The other mode was AM. AM is mostly gone. Today the code is only one of a multitude of communications methods used in amateur radio and is hardly used at all in the VHF/UHF bands, except by a few DXers. Most of the experimentation with new modes and techniques is happening at VHF/UHF. Packet, fast scan tv, digital voice mailboxes, satellites, radio control, spread spectrum, digital video, and many other techniques are being spawned and being used at VHF/UHF/SHF. To me, this is where the excitment in amateur radio resides.

I believe that amateur radio can have a bright future with many different interests being represented. I expect that digital techniques, of which today's packet is just a forerunner, will be a major part of amateur radio just as it has become a major part of all electronics. I don't expect it to become the sum of amateur radio however, radio communication is too broad a field for one technique to dominate. I expect to see cellular techniques adapted for mobile amateur use. I expect to see an increasing interest in amateur video including slow scan, fast scan, and new high definition techniques. We have the spectrum to do some groundbreaking experimentation in leading edge techniques. What we must have is the critical mass of people who are excited by these techniques and have the motivation to experiment with them.

I believe we can no longer promote amateur radio as a way to "Work the World". With competition from cheap long distance phone networks and from cellular telephone, working the world doesn't seem the big deal to today's youth as it did to me twenty six years ago. The world no longer seems the mysterious place it did then. Television satellites have made the world a global village with routine live pictures from all over the globe available every night in our living rooms. We must present amateur radio as the place to be to play with all the exciting new toys of the electronic age. One of the most painless and effective ways to get people to learn is to get their interest in doing something up, then they will seek out ways to learn what they need to know to play. Kids who are interested in baseball can spout endless facts and statistics about the game, not because they were required to learn them for a test, but because they were curious and wanted to know. Similarly, if a kid is excited about some facet of radio, he will learn all he can about the subject, not to pass a test, but because he wants to know. I hope we can fasinate these kids with the neat new things we're doing with radio without turning them off with too much historical baggage.

Gary KE4ZV

```
From 7448407763408465923
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 14:40:37 PST
Path: gmdzi!unido!mcsun!uunet!cadence!jdm
From: jdm@cadence.com (Joe Mastroianni)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov8.224037.4086@cadence.com>
Date: 8 Nov 90 22:40:37 GMT
References: <7880341@hpfcdc.HP.COM> <1990Nov6.172134.29539@midway.uchicago.edu>
<1990Nov7.234746.21087@ux1.cso.uiuc.edu>
Sender: Joe Mastroianni
Organization: Cadence Design Systems, Inc.
Lines: 37
Posted: Thu Nov  8 23:40:37 1990
```

In article <1990Nov7.234746.21087@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN) writes:

```
>pbhx@ellis.uchicago.edu (Peter B. Hayward) writes:
>...
>>Alan, the unfortunate thing is that it is required by international
>>agreement for work on the HF bands. However, what is NOT required by
>>that agreement is speed above 5 wpm. Since we HAVE to have code for
>>HF, we should test ONLY at 5 wpm.  If people think it would be nice to
>>show greater proficiency than 5 wpm, let's roll that into the written
>>exam process by adding questions to the written. I.e., let's add 5
>>code questions to the extra, increasing the questions asked to 55 and
>>the passing score to 41. That way, if you fail the five code
>>questions, you don't fail the test.
>...
>>Peter B. Hayward                                              N9IZT/AE
>>University of Chicago Computing Organizations
>
>Hey, that makes sense!  Pass the minimum 5 WPM for access to HF, and
>then toss increased speed into the whole question pool.  That way one
>who is more technically inclined can upgrade that way, and one who is
>more operator inclined can upgrade that way.
>
>But are we allowed to have anything that make sense in ham radio?
>--
>
>--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
```

><phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

I think we should modify the written test in the following way: send
the questions in CW at 5 WPM. Then if you can copy, you can answer the
questions. Perhaps, for many, this would be the same as a place out
in the country we like to call "hell".

Mega smiley :-) *10**6

Joe AA6YD

From -7423329577303003722
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f67a5452862d8cc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 14:51:56 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!
hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: DSPer's Work Bench ?
Message-ID: <7880353@hpfcdc.HP.COM>
Date: 8 Nov 90 22:51:56 GMT
Organization: HP Fort Collins, Co.
Lines: 45
Posted: Thu Nov 8 23:51:56 1990

At first glance, I wanted to flame Phil for his rather arrogant use of
Herbi. On the other hand, it's hard to argue with someone who is
technically correct. :-)

>From karn@thumper..bellcore.com Sun Oct 28 12:14:42 1990
>
>Herbi,
>
>Points 3, 4 and 5 are personal opinions. Points 1 and 2 are provably false
>assertions. See my Reply Comments on PR Docket 90-55 for the details; I
>posted it here back in early September.
>
>None of your points constitute valid arguments against a codeless license,
>although you are perfectly free to promote voluntary proficiency in or
>use of CW by anyone who will listen.
>
>Phil

I read the Reply Comments and the string that followed. Most technical
rebuttals were re-rebutted. However, there were rebuttals that dealt
with more practical aspects of the hobby that went unanswered. I'm
pursuing one of them here: "DSPs on every Bench".

Phil's love of DSPs makes me want to believe that this may be a magnet we need for this hobby. DSPs bridge the gap between computers and communications, especially radio. If we can get enough of the basement PC hackers to take up DSPs and a Novice license, higher usage of all Amateur frequencies is likely, but especially [vus]hf, which would help the WARC situation.

What I know of DSPs would fit on an index card. How do laymen discover how to use this technology, or is it only for the wizards at Bellcore :-) ? Is there a "DSPers Workbench" ? Are there plug-in cards for my PC ? Are DSPs as easy to program as Apple][Basic ? Do I need a Ph.D.EE to use one effectively :-) ? Given Phil's employer, I suspect that all this comes to him rather naturally. However, the arcane technology and tooling is a barrier to widespread experimentation.

These are the questions, if answered, that could unleash the masses on DSP technology, and maybe (just maybe) one of them might get lucky and invent SSB while the rest of us are puttering with AM.

Perry Scott
KF0CA

From -3006760891700178641
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b4387f31195990d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 15:33:45 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!att!linac!pacific.mps.ohio-state.edu!
zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: re Code & Other requirements
Message-ID: <7880354@hpfcdc.HP.COM>
Date: 8 Nov 90 23:33:45 GMT
References: <9010231256.AA05779@lonex4.radc.af.mil>
Organization: HP Fort Collins, Co.
Lines: 3
Posted: Fri Nov 9 00:33:45 1990

> Next time I hear you on the 115 repeater, I'll send some code. :-)

I didn't understand you the last time you sent DTMF Morse code, either. :-)

From 8123630632707436732
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62cf76082d3e814c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 15:37:51 PST
Path: gmdzi!unido!mcsun!uunet!nih-csl!lhc!ncifcrf!haven!aplcen!
uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!

ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: HR2510 Mods
Message-ID: <7880355@hpfcdc.HP.COM>
Date: 8 Nov 90 23:37:51 GMT
References: <2994@canisius.UUCP>
Organization: HP Fort Collins, Co.
Lines: 6
Posted: Fri Nov 9 00:37:51 1990

> ...knowing CW helps one identify which beacon is being received ;-).

Nah. "That's the one with the funny beeps at 28.246." :-)

The first time I heard a 10M beacon was the one time I actually wished I remembered my code. :-)

From -4292748093186710066
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0b71a23be479e2e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 15:46:13 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Re: need two....
Message-ID: <7880357@hpfcdc.HP.COM>
Date: 8 Nov 90 23:46:13 GMT
References: <11655@hacgate.UUCP>
Organization: HP Fort Collins, Co.
Lines: 17
Posted: Fri Nov 9 00:46:13 1990

> ...is there anyone on the net located in Vermont, Wyoming, or Nevada?

For the right price I can be located in Wyoming. :-)

Seriously... Fort Collins, Colorado is just a 1/2 hour drive south of the border. Someday if'n I'm bored enough when the band is open, I'll drive up there with my 25W HR2510, mobile, and a stack of postcards. Ought to be fun for a change on the receiving end of the pileups.

Nobody actually LIVES in Wyoming, you understand. It's all barren wilderness.

(Now if someone from Wyoming wasn't going to respond before, I think I probably just got their attention. :-)

Good luck --
Alan, N0MFW

From -7204443558818780100
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e5618b92152f6ad7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 16:02:03 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!maverick.ksu.ksu.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Letter from Yaesu about FT411
Message-ID: <7880358@hpfcdc.HP.COM>
Date: 9 Nov 90 00:02:03 GMT
Organization: HP Fort Collins, Co.
Lines: 37
Posted: Fri Nov 9 01:02:03 1990

Last June I bought an FT411. In October I wrote a three page letter to Yaesu to share some kudos, gripes, and suggestions about the unit. (Send me mail if you want a copy.) To my surprise I got a very nice, detailed reply from the manager of their public relations department. I'll share some of the highlights.

* Starting with production lot 17, the FT411 is called the FT411E. "The major difference... is improved receiver performance at frequencies far from the amateur band, accomplished not by varactor-tuned filters, but by changing capacitance values in the front end filters..."

* The IF was increased "from 16 to 21MHz". (Curious, I measured mine at 17.3MHz.) The changes to the IF unit are apparently too extensive to retrofit.

* Many of the points I raised "are addressed in new models to be announced soon, such as 15-KHz channel steps, better lamp control (the new models will have both always-on, and 5-second modes), an external 13.8-V jack (new models include a built-in charger!), and simplified keypad locking."

* "...watch for multiple selectable low power steps in new models."

* "The need for a DTMF memory display and better low battery indication are known to the designers, but it is too soon to know..."

* An internal SWR meter is unlikely; perceived need is low.

The reply did not address some of my suggestions:

* How to shift up the center of sensitivity?
* Left side button ergonomics.
* Squelch control too close to antenna.
* Documentation on robustness with high SWR.
* PRI channel locks in unexpectedly.

* More documentation on optimal NiCad use.
* Different beeps going to/from Call channel.

From -6418372915895571317
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,560d779f0a96e9a4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 16:32:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!emory!att!news.cs.indiana.edu!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Flames squared
Message-ID: <344.2739E032@w8grt.fidonet.org>
Date: 9 Nov 90 00:32:44 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 25
Posted: Fri Nov 9 01:32:44 1990

> From: AGENGCC@OSUCC.BITNET
> Date: 8 Nov 90 05:22:00 GMT
> Organization: The Internet
> Message-ID: <9011081611.AA29621@ucsd.edu>
> Newsgroups: rec.ham-radio
>
> If my usage of this news group was being paid for by anything
> but funny money (money allocated by department for computer use
> and will be lost if not used) there is no way I would waste it on
> these flames on flames of flames. I deeply respect the rights of
> individual free speech and all the bill of rights including the
> second one.

You're taking it all much too seriously. Flaming should be thought of as a bloodless form of combat sport. Sort of an electronic paintball, as it were.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From -148743478715776104
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,caa7b09a232bb19
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,cc868cf1173b9587
X-Google-Attributes: gid114aac,public

X-Google-Thread: fddbf,cc868cf1173b9587
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,cc868cf1173b9587
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-08 16:59:47 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!mit-eddie!wuarchive!sdd.hp.com!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: Hams,Public service/mods to radios for 11 meters
Keywords: hams on 11 meters...big deal..cleaner than most CBers!
Message-ID: <590@chiton.ucsd.edu>
Date: 9 Nov 90 00:59:47 GMT
References: <306.27359C32@w8grt.fidonet.org> <21057@ttidca.TTI.COM>
Reply-To: rec@chiton (Richard Currier)
Followup-To: rec.radio.shortwave
Organization: MPL of SIO at UCSD
Lines: 55
Xref: gmdzi rec.radio.shortwave:2649 rec.ham-radio.swap:768 rec.ham-radio.packet:3022 rec.ham-radio:16673
Posted: Fri Nov 9 01:59:47 1990

In article <21057@ttidca.TTI.COM> root@ttidca.TTI.COM (The Root of all Evil) writes:
> The
>latest set insists on making it damn near impossible to modify the rig for
>increased frequency coverage (the '148 can go from 26.965-27.405 to
>26.815-28.045 with just 3 silly jumper wires and 3 switches added to the
>existing PLL!) more power (the '148 can be turned up to almost 20w PEP SSB
>and 10-12w RMS for AM use!) or additional modulation modes. (again, the
>'148 can be made to do FM by adding a little kit that costs $20!)
>

And they drive me and many other CW OP's off the air on the low end of the ten meter band.

>
> The FCC hasn't got the time to bust hams for running their gear on 11
>meters, and your risk-factor is small PROVIDED:
>

Provided nothing. There is no way to police the 10 meter band. As long as they sell the radios the band is lost to hams.

>
> 5) Keep a low profile! The FCC is sooo overworked, and sooo underfunded
> it's unlikely that they will be doing much about 11 meters any time soon.

They won't be doing anything soon. The solution according to a fellow New Hampshireite in the current administration is to do nothing long enough for the QRM on HF to get bad enough for the media to notice it. The congress at the urging of the administration can then step in with public support and pull the plug on all, and he says ALL HF transmission. Mr HIGH UP in the POWER STRUCTURE knows I'm a ham and he said with a shrug that there will be no way to clean all private use of HF off the bands without including hams. The plan is to ban ALL private transmission. Then they don't have to go after specific violators

they can just swoop around and RDF the easiest violators..by the thousands..
if necessary and pass out big,and he said BIG fines. No jail..no room, but,and
these are his words...."The fine structure will allow a self-sustaining police
action to continue as long as necessary without departmental fiscal impact."
When I brought up the failure of the drug war he laughed and said "drug dealers
are mobile. They are like rats. They hear you coming and can hide. And they
don't have a lifestyle that can be damaged by big fines. You radio
types live in houses and drive cars that can be attached along with your
paychecks. Your lives can be destroyed by being caught on the air by a van
with a couple of guys and the 'probable cause' of RF coming out of your house."
And then because we went to college together and have been friends for a long
time he said,"Sorry Dickie, we need the room, we need the money and the
pressure from the commercial sector is building. You hams did a great job when
we were young but there is nothing you can do now that is so valuable to the
public that they can save you. I'm really sorry".

Then I asked about VHF/UHF and he thought that was really funny.

Porky said it all...."That's all folks"

AA6PN

--
richard currier   marine physical lab   u.c. san diego
rec@mpl.ucsd.edu
619-534-1730

From 6412432953175056688
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,41537301ed378939
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 17:02:28 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!apple!netcom!edg
From: edg@netcom.UUCP (Edward Greenberg)
Newsgroups: rec.ham-radio
Subject: Re: 15 meter monobanders
Message-ID: <16467@netcom.UUCP>
Date: 9 Nov 90 01:02:28 GMT
References: <42094@cci632.UUCP>
Organization: Netcom- The Bay Area's Public Access Unix System {408 241-9760
guest}
Lines: 20
Posted: Fri Nov 9 02:02:28 1990

In article <42094@cci632.UUCP> cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
writes:
>Why isn't there the equivilent of a 2510 for 15 meters? Or, is there
>one that I don't know about?

My 'umble opinion is that the Uniden/Radio Shack ten meter offerings are an
attempt to cash in on one or both of:

* the sunspot cycle

* the ten meter sideband privileges for novice and tech ops.

I'm not going to buy one... I'd rather buy a five bander so I can concentrate on getting my CW up beyond about 7 wpm. However, when the sunspots go away, I hope to see the street prices of these Unidens drop like a stone, and I hope to be able to pick one up (either used or overstock) for a song. Then I stick it on the shelf for the next time old sol does his thing. Opinions?

--
Ed Greenberg WB2GOH/6
edg@netcom {amdahl | amdcad | apple}!netcom!edg
CompuServe: 76703,1070 Packet Radio: WB2GOH @ N6LDL.CA.USA.NA

From -1865955974843902790
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,560d779f0a96e9a4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 17:03:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!udel!masters
From: masters@freezer.it.udel.edu (paul masters)
Newsgroups: rec.ham-radio
Subject: Re: Flames squared
Message-ID: <35868@nigel.ee.udel.edu>
Date: 9 Nov 90 01:03:52 GMT
References: <9011081611.AA29621@ucsd.edu>
Sender: usenet@ee.udel.edu
Organization: University of Delaware -- ACIT Sun Lab
Lines: 24
Posted: Fri Nov 9 02:03:52 1990
Nntp-Posting-Host: toffee.it.udel.edu

?

--
I will not waste chalk..I will not skateboard down the halls..I will not burp in class..I will not instigate revolution..I will not draw naked ladies in class..I did not see Elvis..I will not call my teacher "Hot Cakes".. Garlic gum is not funny..They are Laughing at me, not with me.....

From 3331897019230421349
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 18:41:29 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!olivea!tymix!cirrusl!sunstorm!dhesi
From: dhesi%cirrusl@oliveb.ATC.olivetti.com (Rahul Dhesi)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <2669@cirrusl.UUCP>
Date: 9 Nov 90 02:41:29 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp> <1990Oct28.185659.11837@NCoast.ORG> <463@ssc.UUCP> <1990Oct30.195918.11041@portia.Stanford.EDU> <12465@uswat.UUCP> <1990Oct31.204219.27791@ux1.cso.uiuc.edu>
Sender: news@cirrusl.UUCP
Organization: Cirrus Logic Inc.
Lines: 18
Posted: Fri Nov 9 03:41:29 1990

I think I have the perfect solution.

Access to the CW part of the spectrum should be permitted only to those who know the Morse code.

Access to other parts of the spectrum should be permitted only to those who have the appropriate skills. E.g., only people who can speak should be allowed to use phone, only people with functioning EME equipment should be allowed to bounce off the moon, etc, only people with working 2-meter equipment should get to use that band, etc.

It's silly to require people to learn the Morse code in order to just be allowed to talk.

--
Rahul Dhesi, AJ1D
dhesi%cirrusl@oliveb.ATC.olivetti.com
UUCP: oliveb!cirrusl!dhesi

From 8279281241511118215
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3328cb8f55165106
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 19:06:42 PST

Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!public!rah
From: rah@public.BTR.COM (Richard A Hyde rah@btr.com)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters
Message-ID: <926@public.BTR.COM>
Date: 9 Nov 90 03:06:42 GMT
References: <1990Nov5.130815.24804@ux1.cso.uiuc.edu> <5473@crash.cts.com>
<1990Nov8.001409.25295@ux1.cso.uiuc.edu> <4297@lib.tmc.edu>
<1990Nov8.055513.12756@ux1.cso.uiuc.edu>
Organization: BTR Public Access UNIX, MtnView CA, Contact: cs@btr.com 415-966-1429
Lines: 23
Posted: Fri Nov 9 04:06:42 1990

|>>The control would have to be either AUTOMATIC (which you say is not legal)
|>>or would have to be REMOTE, which requires a control link on an AUXILIARY
|>>frequency, which does not include any portion of 2 meters.
|
|>Minor quibble here: an auxiliary station is only one way of providing remote
|>control. I know of at least one open autopatch on 2 meters that ran with two
|>phone lines, one for the patch and one for remote control...
|
|If you have remote control, you have a control operator at a control point
|(required by 97.109(c)). If the remote control link is by phone line, then
|someone has to be there controlling it. This won't work for an unattented
|repeater (automatic control) by a user who can't call it up on the phone
|

Hmmm... you could use the repeater's autopatch to call up the phone line
used as the remote control link....

Rick

--
```
-------------------------------------------------------------------------------
|   Richard Hyde  |  RaH@btr.com  |    This space intentionally left blank   |
-------------------------------------------------------------------------------
```

From -8633267772444406041
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3328cb8f55165106
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 21:55:57 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!usc!cs.utexas.edu!
asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters
Message-ID: <5379@qip.UUCP>
Date: 9 Nov 90 05:55:57 GMT
References: <1990Nov5.130815.24804@ux1.cso.uiuc.edu> <5473@crash.cts.com>
<1990Nov8.001409.25295@ux1.cso.uiuc.edu>
Organization: Anasazi, Inc. Phoenix, Az

Lines: 29
Posted: Fri Nov 9 06:55:57 1990

In article <1990Nov8.001409.25295@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN) writes:
]
]So, are you saying that all automatically controlled 2 meter repeaters
]with an autopatch are not legal?

Autopatches carry third party traffic. Thus, they require a control
operator. See 97.115 (of revised part 97) - for discussion see page
10-3 of The FCC Rule Book, 1990 (ARRL).

It is not clear to me, under the new regulations, if the user of a
repeater operating above 2 meters can be considered the control operator
simply due to control on the input frequency. Under the old rules, the
control had to be exerted on a different frequency, which somewhat limited
that ability of the user to control
it. I see no prohibition under the new rules to controlling on the
input frequency, although the requirement to "use an auxiliary
station" for radio control may require another frequency. It is
clear to me that an autopatch CANNOT be controlled only via a 2 meter
frequency - there must be an auxiliary station, and auxiliary stations
can only operate above 1.25 meters.

Anyone know a clear interpretation of this confusing mess (ain't
"plain english" rules great?)?

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From 1713993942853691231
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3328cb8f55165106
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 22:00:32 PST
Path: gmdzi!unido!mcsun!uunet!midway!linac!pacific.mps.ohio-state.edu!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters
Message-ID: <5381@qip.UUCP>
Date: 9 Nov 90 06:00:32 GMT
References: <1990Nov8.001409.25295@ux1.cso.uiuc.edu> <4297@lib.tmc.edu> <1990Nov8.055513.12756@ux1.cso.uiuc.edu>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 18
Posted: Fri Nov 9 07:00:32 1990

In article <1990Nov8.055513.12756@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN) writes:
]>Minor quibble here: an auxiliary station is only one way of providing remote
]>control. I know of at least one open autopatch on 2 meters that ran with two
]>phone lines, one for the patch and one for remote control...

The three open autopatch repeaters in Phoenix, operated by the Arizona Repeater Association, all use telephone control on a separate line than the patch audio line. One of these uses an ACC RC-850 controller, and when we called ACC and asked them about using the second line for patch control, they said they had never heard of anyone doing it. I suspect that most autopatches are illegal and have no control other than on a 2 meter input frequency.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From 8259608088871823944
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3328cb8f55165106
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 23:23:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters
Message-ID: <1990Nov9.072339.25205@ux1.cso.uiuc.edu>
Date: 9 Nov 90 07:23:39 GMT
References: <1990Nov5.130815.24804@ux1.cso.uiuc.edu> <5473@crash.cts.com> <1990Nov8.001409.25295@ux1.cso.uiuc.edu> <4297@lib.tmc.edu> <1990Nov8.055513.12756@ux1.cso.uiuc.edu> <926@public.BTR.COM>
Organization: University of Illinois at Urbana
Lines: 28
Posted: Fri Nov 9 08:23:39 1990

rah@public.BTR.COM (Richard A Hyde rah@btr.com) writes:

>|>>The control would have to be either AUTOMATIC (which you say is not legal)
>|>>or would have to be REMOTE, which requires a control link on an AUXILIARY
>|>>frequency, which does not include any portion of 2 meters.
>|
>|>Minor quibble here: an auxiliary station is only one way of providing remote
>|>control. I know of at least one open autopatch on 2 meters that ran with two
>|>phone lines, one for the patch and one for remote control...
>|
>|If you have remote control, you have a control operator at a control point
>|(required by 97.109(c)). If the remote control link is by phone line, then
>|someone has to be there controlling it. This won't work for an unattented

>|repeater (automatic control) by a user who can't call it up on the phone
>|

>Hmmm... you could use the repeater's autopatch to call up the phone line
>used as the remote control link....

>Rick

I don't think the FCC would look upon that as being any different than
a radio remote control, since that *IS* what it is. The AUXILIARY rules
must be followed for it, such as frequency limitations.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 7495975626842448794
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c8d0b27844d5b15
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-08 23:53:21 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Matchbox
Summary: old manuals
Keywords: Matchbox
Message-ID: <511@ssc.UUCP>
Date: 9 Nov 90 07:53:21 GMT
References: <1165@larry.sal.wisc.edu>
Organization: very little
Lines: 27
Posted: Fri Nov 9 08:53:21 1990

In article <1165@larry.sal.wisc.edu>, dem@larry.sal.wisc.edu (Donald Michalski)
writes:
>
> I recently purchased an old Johnson Matchbox, Jr. Unfortunately, no
> manual came with it. Does anyone have a manual for it, or its big
> brother, or know where to get one? I'd be willing to cover copy costs
> and provide SASE. Thanks.
>

The manual for the Matchbox ("all models", it says) is available for
$8.25 from:

Hi Manuals
P.O. Box 802
Council Bluffs, IA 51502

They have manuals for most old ham gear. Their catalog costs $2.
They prefer money orders to personal checks.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 4858872383822418561
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c03407bb03e07ef4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 03:53:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!samsung!munnari.oz.au!sirius.ucs.adelaide.edu.au!levels!
xtasc
From: xtasc@levels.sait.edu.au
Newsgroups: rec.ham-radio
Subject: FTP Site for W0RLI wanted ...\
Message-ID: <15661.273a98c2@levels.sait.edu.au>
Date: 9 Nov 90 11:53:38 GMT
Organization: Sth Australian Inst of Technology
Lines: 4
Posted: Fri Nov 9 12:53:38 1990

Can anyone tell me the whereabouts of an UP TO DATE FTP site for W0RLI and
the G8BPQ code and associated utilities.
Pls reply to xtasc@lv.sait.edu.au
thanks in advance .... Rob VK5ZEU

From -2042732558042496974
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79d7c95ed0ec93aa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 06:36:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!crdgw1!greenba
From: greenba@gambia.crd.ge.com (ben a green)
Newsgroups: rec.ham-radio
Subject: Re: CW Filters
Message-ID: <GREENBA.90Nov9093634@gambia.crd.ge.com>
Date: 9 Nov 90 14:36:34 GMT
References: <1990Oct16.133310.1130@cbnews.att.com>
Sender: news@crdgw1.crd.ge.com
Organization: GE Corporate Research & Development
Lines: 11
Posted: Fri Nov 9 15:36:34 1990
In-reply-to: wrb@cbnews.att.com's message of 16 Oct 90 13:33:10 GMT

Wally Blackburn asks "are there tradeoffs between tighter filters and wider ones ...? "

Yes, Narrow ones get rid of the QRM, but they tend to ring, which makes high speeds hard to copy. I find it easier to learn to ignore the QRM than to copy through the ringing.

Ben
--
Ben A. Green, Jr.
greenba@gambia.crd.ge.com   "Nature abhors a physicist."

From -2323584986642428798
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,30d8de3a656528e5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 06:52:37 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!decwrl!ucbvax!unb.ca!LANG
From: LANG@unb.ca
Newsgroups: rec.ham-radio
Subject: Satellite Re-entry
Message-ID: <ID2445.D901109.T105239.LANG@unb.ca>
Date: 9 Nov 90 14:52:37 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Fri Nov 9 15:52:37 1990

Hi:
I saw your posting to rec.ham.radio / info-hams. I have a subscription to the Spacewarn Bulletin of the World Warning Agency for Satellites. They list recently decayed satellites in each issue. I'll check the next issue when it arrives (monthly) and let you know what I find for 5 November (I presume the sighting was in Holland and not in the U.K. where Guy Fawkes day is celebrated on 5 November with lots of fireworks).

```
===============================================================================
 Richard B. Langley                             BITnet: LANG@UNB.CA or SE@UNB.CA
 Geodetic Research Laboratory                   Phone:  (506) 453-5142
 Dept. of Surveying Engineering                 Telex:  014-46202
 University of New Brunswick                    FAX:    (506) 453-4943
 Fredericton, N.B., Canada  E3B 5A3
===============================================================================
```

From -3927425055608375775
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd4057e78fc0fb0d
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-11-09 06:57:28 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!bcm!dimacs.rutgers.edu!rutgers!att!linac!pacific.mps.ohio-state.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!hpcuhb!hpsqf!hpqmola!hpqmole!dstock
From: dstock@hpqmole.sqf.hp.com (David Stockton)
Newsgroups: rec.ham-radio
Subject: Re: T2FD Antenna.
Message-ID: <410002@hpqmole.sqf.hp.com>
Date: 9 Nov 90 14:57:28 GMT
References: <0D1186C0A47F6084C5@OBERLIN.BITNET>
Organization: HP,Queensferry Microwave UK
Lines: 6
Posted: Fri Nov 9 15:57:28 1990

I use a 40M T2Fd now..... Its not perfect, but is a compromise that suits
my current needs

  I found it in the ARRL antenna book
73
GM4ZNX

From -2345953467343101279
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,80275179e8078d2b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 07:09:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!princeton!udel!wuarchive!usc!apple!sun-barr!newstop!sun!amdcad!mozart.amd.com!reed
From: reed@mozart.amd.com (David F. Reed)
Newsgroups: rec.ham-radio
Subject: Re: No WX9(whatever) calls?
Message-ID: <1990Nov9.150950.19148@mozart.amd.com>
Date: 9 Nov 90 15:09:50 GMT
References: <1990Nov8.212110.13726@midway.uchicago.edu>
Organization: Advanced Micro Devices, Inc.
Lines: 22
Posted: Fri Nov 9 16:09:50 1990

In article <1990Nov8.212110.13726@midway.uchicago.edu> pbhx@ellis.uchicago.edu (Peter B. Hayward) writes:
>
>In making a discrete call to the FCC about where they were in the last
>of the 2x1 calls for 9 land, I was told that they will issue no WX9a
>or WY9 a calls. Instead they will go from WW9Z to WZ9A.
>
>I checked a coople of ARRL reference works but can't seem to see what
>WX... or WY... is reserved for. Can anyone help or did I just get bad
>information?
>
well, dunno, but look up WX5D, he's in the book, so is WY5F, so it sounds
sort of inconsistent to me...

cheers
(73)

--
____
"...just my opinion, not speaking for AMD." KK5D / 7J1AGO etc.
David F. Reed   4512 Clarno   Austin TX 78749
packet: KK5D@KB5PM   driving by? try 442.150 repeater

From -7614004108011080806
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a815ca874b936367,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 07:26:28 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!
bacchus.pa.dec.com!shlump.nac.dec.com!ryn.esg.dec.com!ricks.enet.dec.com!reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: Y2 multiplier in CQWW
Message-ID: <3402@ryn.esg.dec.com>
Date: 9 Nov 90 15:26:28 GMT
Sender: guest@ryn.esg.dec.com
Organization: Digital Equipment Corporation - Hudson, MA
Lines: 17
Posted: Fri Nov 9 16:26:28 1990

According KR2Q, a member of the CQ Contest Committee and also a frequenter
of the YCCC PacketCluster (tm), Y2 (E. Germany) will tentatively be counted
as a separate multiplier for the SSB WW contest *only* (the one just
passed). It will not be a separate multiplier in the CW contest at the end
of November. Fix those CQWW.CTY files now!

- Jim AD1C

=-=

"The opinions expressed here in no way represent the views of Digital
 Equipment Corporation."

James J. Reisert   Internet: reisert@ricks.enet.dec.com
Digital Equipment Corp.   UUCP: ...decwrl!ricks.enet!reisert
77 Reed Road
Hudson, MA 01749-2895

From -6477504937860793857
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e936293d2fd4f623
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 07:44:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!bcm!dimacs.rutgers.edu!rutgers!ucsd!

swrinde!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!hpcuhb!hpsqf!hpqmola!hpqmole!dstock
From: dstock@hpqmole.sqf.hp.com (David Stockton)
Newsgroups: rec.ham-radio
Subject: Re: Antenna remote location
Message-ID: <410003@hpqmole.sqf.hp.com>
Date: 9 Nov 90 15:44:10 GMT
References: <950@jetsun.weitek.COM>
Organization: HP,Queensferry Microwave UK
Lines: 13
Posted: Fri Nov 9 16:44:10 1990

I'd second the suggestion of open-wire line. Also look at G-LINE if you want UHF.
It is also a common thing for people to use mast-head preamps and occasionally masthead poweramps. If you use a remote PA on HF, you will also need remote control of lowpass filters and perhaps a remote or automatic ATU. Our local club has an ex-RAF radio site, dry gas pressurised co-ax went for miles over the hillside. It had a solid Al outer tube, a helical support membrane and a 1/8 inch solid copper inner. Unfortunately the forestry comission ploughed drainage channels so it is all defunct.

73 GM4ZNX

From -5185306854584524000
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b0c73fa0a538956
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 08:16:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!bcm!dimacs.rutgers.edu!rutgers!apple!usc!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpcc05!hpcuhb!hpsqf!hpqmola!hpqmole!dstock
From: dstock@hpqmole.sqf.hp.com (David Stockton)
Newsgroups: rec.ham-radio
Subject: Re: IC-745
Message-ID: <410004@hpqmole.sqf.hp.com>
Date: 9 Nov 90 16:16:32 GMT
References: <9010291342.AA21093@ucsd.edu>
Organization: HP,Queensferry Microwave UK
Lines: 23
Posted: Fri Nov 9 17:16:32 1990

If my memory (grey sludgy type) is OK, I read in an old (1985?) qst that the ICOM r71 loses its marbles when the lithium cell is shorted or just plain dead. The writer said that he could not get it re-programmed in the US, It had to go back to J-land.

No equipment reviews cover this topic. Should we start a listing here on the net of which sets are at risk ?

In a few years, when the cells begin to fade, some brand names are going to have a bit of an image problem.

Fortunately for me, I run antiques on VHF and homebrew/surplus on HF, but other people could become the owners of surprisingly expensive component collections :-(

How about after-market firmware as a business opportunity :-)

I don't know which brands/models are risky, but I've heard enough rumours to make me curious. Let's find out so that the odium can be focussed only on the guilty.

73   de GM4ZNX

From -6085566967411356357
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29b5af8ee65fa5ae,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 08:20:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!princeton!udel!wuarchive!rex!rouge!pc!jpd
From: jpd@pc.usl.edu (Dugal James P.)
Newsgroups: rec.ham-radio
Subject: IC-229A/H freq. expansion info
Message-ID: <18251@rouge.usl.edu>
Date: 9 Nov 90 16:20:27 GMT
Sender: anon@rouge.usl.edu
Organization: Univ. of Southwestern La., Lafayette
Lines: 39
Posted: Fri Nov 9 17:20:27 1990
Originator: jpd@pc.usl.edu

Here's some info on the IC229A/H, (indirectly) from ICOM:

The stock radio has RX: 136 - 174, TX: 140-150, FM only.

When diode D5 (conventional, upright diode on the logic board)
is cut, 118 - 135.995 MHz can be received in AM mode.
[Local reports indicate the audio is acceptable but not as good as,
for example, AM received on a PRO-2004 scanner]

To expand TX to 136 - 174 MHz, locate chip diode D9. Ascertain that the vertical pair of pads to the right are OPEN. Short the next pair of vertical pads to the right [with solder, perhaps].

These changes pertain only to the USA model.

Here's some ASCII art to clearify:

```
---------------------------------------------------------
  R5   R4                                               |
              R1                                        |
            R2 .    .
```

```
              D1   D2
-----------+  ..   ..
           |   -D3-
           |   -D4-
   IC4     |   -D5-
-----------+   -D6-
               -D7-    .   ..  _  _
                      D8   D9  _  _
                O     ..    .
               C7
    X1                                                  |
________________________________________________________|
```

--
-- James Dugal,   N5KNX   Internet: jpd@usl.edu
Associate Director   Ham packet: n5knx@k5arh
Computing Center   US Mail: PO Box 42770 Lafayette, LA 70504
University of Southwestern LA.   Tel. 318-231-6417 U.S.A.

From -3237624493049693957
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6cd28f64ea1e4a2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,c6cd28f64ea1e4a2
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-11-09 08:47:12 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!mikemr
From: mikemr@microsoft.UUCP (Michael MRAZ)
Newsgroups: rec.ham-radio.packet,rec.ham-radio
Subject: Re: Questions, questions, questions
Message-ID: <58941@microsoft.UUCP>
Date: 9 Nov 90 16:47:12 GMT
References: <310.273701E0@w8grt.fidonet.org>
Organization: Microsoft Corp., Redmond WA
Lines: 3
Xref: gmdzi rec.ham-radio.packet:3026 rec.ham-radio:16733
Posted: Fri Nov 9 17:47:12 1990

Well, Jim, I always thought if it smoked or blacked
out the neighborhood, you were on the RIGHT track! ;->

From 3256053500866733988
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17398b899c0b5c84,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 08:52:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!princeton!udel!wuarchive!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!PICA.ARMY.MIL!cfishman
From: cfishman@PICA.ARMY.MIL (Clark Fishman, FSAC-FCD)

Newsgroups: rec.ham-radio
Subject: QUESTION ABOUT NET
Message-ID: <9011091152.aa15573@FSAC1.PICA.ARMY.MIL>
Date: 9 Nov 90 16:52:48 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6
Posted: Fri Nov 9 17:52:48 1990

I wonder if anybody out in net land can tell me about what
other groups are available in use-net and how I, a resident
of Arpa net can get on them???/

Clark Fishman WA2UNN , an RF man in a digital world

From 4386877150018619037
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,662ec33d218db90
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 09:02:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!princeton!udel!wuarchive!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: RF attenuation through PVC
Message-ID: <70852@iuvax.cs.indiana.edu>
Date: 9 Nov 90 17:02:21 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 17
Posted: Fri Nov 9 18:02:21 1990

nbb@cel.co.uk (Nick Bristow, G1LYX) writes:
>I am thinking of building a 5/8 over 5/8 2m colinear. I have all the
>parts required and am thinking of placing it all in piece of PVC 2
>inch diamemter waste water pipe...
>   I am not sure however on the RF attenuation produced by the
>plastic pipe. Would anyone out there mind telling me the attenuation
>properties of such a pipe and some discussion of the attenuation
>properties of plastics at all frequencies would be interesting...

I have read in ham magazines that the black variety of PVC is not
suitable for RF applications but the white kind is suitable for
structural use at VHF. One way to test relative RF absorption is to
put samples in a microwave oven and see if they melt.

--

Frank   W9MKV   reid@ucs.indiana.edu

From 771008794746522181

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,41537301ed378939
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 09:41:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!usc!apple!xanadu!jeff
From: jeff@xanadu.com (Jeff Crilly N6ZFX)
Newsgroups: rec.ham-radio
Subject: Re: 15 meter monobanders
Message-ID: <1990Nov9.174119.7188@xanadu.com>
Date: 9 Nov 90 17:41:19 GMT
References: <42094@cci632.UUCP>
Organization: Xanadu Operating Company, Palo Alto, CA
Lines: 23
Posted: Fri Nov  9 18:41:19 1990

In article <42094@cci632.UUCP> cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
writes:
>15 meters is my favorite HF band.  (I reserve the right to change my
>mind about this depending on propagation from month to month :-) ).

I like 15 too...when its open.  Its not as crowded as 20.
>
>Why isn't there the equivilent of a 2510 for 15 meters?  Or, is there
>one that I don't know about?  Seems to me it wouldn't be that much
>harder to build than the 10m one, and you could leave off the FM
>portion and just leave CW, USE, and LSB (packet)
>
>Anybody know anything about NCG attempting this back in the early 80's?

That NCG 15m mobile radio is in the CQ Buyer's Guide, so I suppose it is
still on the market.

>
>
>Chris/WZ2B

Jeff Crilly (N6ZFX)
AMIX Corporation  2345 Yale Street  Palo Alto, CA  94306
jeff@amix.com, {uunet,sun}!markets!jeff, N6ZFX@N6IIU.#NOCAL.CA.USA


From 1553883569212269102
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b825943ee7a91f1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 11:01:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!know!
tegra!vail
From: vail@tegra.COM (Johnathan Vail)
Newsgroups: rec.ham-radio
Subject: Re: Dead band antennas for an HT
Message-ID: <1722@atlas.tegra.COM>
Date: 9 Nov 90 19:01:41 GMT
```

References: <610@nih-csl.nih.gov>
Organization: Tegra-Varityper, Inc., Billerica, MA
Lines: 41
Posted: Fri Nov 9 20:01:41 1990
In-reply-to: gmc@helix.nih.gov's message of 9 Nov 90 12:57:46 GMT

In article <610@nih-csl.nih.gov> gmc@helix.nih.gov (Gordon Charrick) writes:

> Hello everyone. I just recently bought an Icom 24AT. It's a great little device, especially when you open up the receive range. Anyway, the reason I'm posting is because the antenna that came with it basically stinks. From inside my house I can't hit any repeaters and the reception outside the ham bands (at least in the 138-170 range) is pretty bad. I can barely pick up the fairly strong 162.55 weather station at all. I went over to the ham store last night to find another antenna and they recommended one from Larsen (rubber duck also). They wouldn't let me try it since it was in a sealed bag. I was wondering if any of you out there have any recommendations for dual band antennas for this critter. Also, do all the 24AT's have such lousy antennas or did I just get a bum steer?

The supplied antenna is just about useless on 2m. The 440 preformance is average. It really loses out of band, like for the wx channel. I noticed this as I put the antenna from my u2 on it and noticed a big difference. The supplied dummy load seems to be as good or better then any of them on 800 MHZ.

The local HRO here let me try them all. The one I ended up with is a Diamond "buggy whip". It has really great performance on 2m, better than the larsen and MFJ(??). The 440 performance on all of them seemed about the same in my crude experiements.

The diamond "buggy whip" seems to be a nice antenna but be warned that it is almost 1.5 feet long. Also, being a Japanese antenna it is made for 2m and *430*, not 440. For an HT this didn't seem to be too much of a problem but be careful buying Diamond antennas for UHF. I know people who have been burned by "bargains" on Diamond dual band antennas for base use.

jv <-- the 24 is the BMW status symbol of HTs

"Honesty without Fear" -- Kelvinator

```
 -----
|     | Johnathan Vail | n1dxg@tegra.com
|Tegra| (508) 663-7435 | N1DXG@448.625-(WorldNet)
 -----  jv@n1dxg.ampr.org {...sun!sunne ..uunet}!tegra!vail
```

From 8535397784146601153
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fa6c79567cc81b
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-11-09 11:19:28 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Re: Hallicrafters SX-16
Message-ID: <4370@altos86.Altos.COM>
Date: 9 Nov 90 19:19:28 GMT
References: <32700003@hpcuha.cup.hp.com> <1250267@hpnmdla.HP.COM> <22072@mvis1.com>
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 18
Posted: Fri Nov 9 20:19:28 1990

In article <22072@mvis1.com> jkaidor@synoptics.COM (Jerome Kaidor) writes:

>   I have used this technique... with really old and gungy radios it's
>really the only way. But I did it without soap, so there was no
>residue to worry about. Just take'er out front and have at'er with
>the garden hose and a toothbrush....

Another way is to remove the racks from your dishwasher and run the chassis through a cycle or two. Works wonders for me.

```
--
Jerry Gardner, NJ6A                         Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos!jerry   2641 Orchard Parkway
Internet: jerry@altos.com                   San Jose, CA  95134
Guns don't kill people, bullets do.                   (408) 432-6200
```

From 2607329360558543843
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2fdeb95ec3de91b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 12:00:45 PST
Path: gmdzi!unido!mcsun!uunet!dino!sharkey!msuinfo!midway!ellis.uchicago.edu!xdab
From: xdab@ellis.uchicago.edu (David Baird)
Newsgroups: rec.ham-radio
Subject: Moving and changing call?
Message-ID: <1990Nov9.200045.15459@midway.uchicago.edu>
Date: 9 Nov 90 20:00:45 GMT
Sender: news@midway.uchicago.edu (News Administrator)
Organization: University of Chicago
Lines: 17
Posted: Fri Nov 9 21:00:45 1990

I am posting this for a ham friend who doesn't have net access.

Please repond to me and I will give him the answer.

My friend is currently living in "4 land" and will be moving to Chicago (9 land) next month. He knows he has to submit a 610 form to the FCC to change his residence and station address.

Can he check the "change call sign" box on the 610 and get a "9" call at the same time? (Apparently his "4" call has bad connotations.)

```
--
X------------------------------------------------------------------------------X
X    David Baird                 xdab@midway.uchicago.edu      X
X    University Computing Organizations     d-baird@uchicago.edu        X
X    University of Chicago                 (312) 702-7161           X
```

From -6567203352578257655
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5edc238380a90a66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 12:11:23 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!mintaka!bloom-beacon!vaxeline!bootsie!olson
From: olson@bootsie.UUCP (Eric Olson)
Newsgroups: rec.ham-radio
Subject: Re: Abbreviation "QAM"
Message-ID: <33@bootsie.UUCP>
Date: 9 Nov 90 20:11:23 GMT
Reply-To: olson@endor.harvard.edu (Eric K. Olson)
Organization: Lexington Software Design, Lexington, MA
Lines: 44
Posted: Fri Nov 9 21:11:23 1990

Along the same lines, is there (via anonymous FTP or something?) an on-line list of all the "Q" (and other) codes? I know this info is available in printed form (and I'll doubtless see it when I start studying for the Novice exam), but I was hoping for an on-line version.

I'm slowly working myself up to trying ham radio, and I miss a lot of information content in this group by not knowing the code letters. Are they used only in Morse, or do people actually use those codes when doing voice also?

By the way: yes, I would be more inclined to get into Ham if I didn't have to learn Morse (I actually want to use packet radio mostly, maybe phone patching too-- Ham seems like the last great communications bargain). Not that I mind learning Morse mind you (it's a challenge, and 5 wpm seems very easy to attain)-- I keep thinking of situations where knowing Morse would be useful:

1) If I'm ever thrown in prison, I can communicate secret messages with the other inmate who knows Morse.
2) If I'm in a plane with the radio out, I could communicate to the tower by flashing the plane's lights-- assuming someone in the tower knows Morse.
3) After a nuclear war (when all our electronics will have been wiped out by the EMP), I having a fighting chance of building a Morse-code-only radio (can you say, "spark gap?").
4) I like knowing obscure things.

Please take these last comments as tongue-in-cheek, humorous ramblings of a deranged person and don't pick me apart.

P.S. One final question: What is the minimum license needed to do packet radio? I know I can pass Novice, and probably Technician (but not anything with a higher code rate, *sigh*).

Thanks!

-Eric
--
Eric K. Olson, Editor, Prepare()   NOTE: olson@bootsie.uucp will not work!
Lexington Software Design   Internet: olson@endor.harvard.edu
72A Lowell St., Lexington, MA 02173   Usenet: harvard!endor!olson
(617) 863-9624   Bitnet: OLSON@HARVARD

From 9402869369226OO575
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e67bde4689b28a2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 12:46:37 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!swrinde!ucsd!dog.ee.lbl.gov!hellgate.utah.edu!fcom.cc.utah.edu!cc.utah.edu!cc.usu.edu!slp9m
From: slp9m@cc.usu.edu
Newsgroups: rec.ham-radio
Subject: ATV Radar (Re: Reposted from WX-TALK)
Message-ID: <1990Nov9.144637.42211@cc.usu.edu>
Date: 9 Nov 90 20:46:37 GMT
Organization: Utah State University
Lines: 5
Posted: Fri Nov 9 21:46:37 1990

>> There is an Amateur Television (ATV) radar setup at the Mount Vernon, IL
               ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Say what? ATV Radar???   What is that supposed to mean?

-Scott   WA7VYJ

From 3371432424593252163
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0c38f265ea5c52,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 12:51:13 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!mikemr
From: mikemr@microsoft.UUCP (Michael MRAZ)
Newsgroups: rec.ham-radio
Subject: T33T
Keywords: DX
Message-ID: <58957@microsoft.UUCP>
Date: 9 Nov 90 20:51:13 GMT
Organization: Microsoft Corp., Redmond WA
Lines: 6
Posted: Fri Nov 9 21:51:13 1990

Has anyone worked T33T on CW yet? I caught
him last night at about 0415Z just as 15m was about to
shut down. Nice signal, but I was surprised that there
wasn't a pile-up (worked him on my first call). If you
need QSL info, he said use the 90 callbook address for
OH3GZ.

From -2007958452696779758
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10e910c7f3eaf0aa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 13:30:40 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1900@n8emr.UUCP>
Date: 9 Nov 90 21:30:40 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 94
Posted: Fri Nov 9 22:30:40 1990

From n8emr!W8PH Fri Nov 9 14:34:35 1990
Return-Path: <n8emr!W8PH>
Message-Id: <m0iXdX6-0000mcC@n8emr.uucp>
[Date: Fri, 9 Nov 90 13:38 EST
[To: <ALL@ARRL>
R:901109/1812z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:12177 Z:43232
R:901109/1716 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:49309 Z:43103
R:901109/0231 @:WB8ICL.OH.USA.NA Yellow Springs #:60577 Z:45387

DX BULLETIN 45 ARLD045
FROM ARRL HEADQUARTERS
NEWINGTON CT NOVEMBER 9, 1990
TO ALL RADIO AMATEURS

THANKS TO ALLEN, N2KW AND THE TRISTATE DX PACKETCLUSTER NETWORK FOR THE FOLLOWING DX INFORMATION.

AS NOTED IN THE NOVEMBER 2ND ARRL BULLETIN, ARLB044, THE ARRL AWARDS COMMITTEE HAS ACCEPTED THE FOLLOWING RECOMMENDATIONS OF THE DX ADVISORY COMMITTEE. EFFECTIVE OCTOBER 3, 1990, THE GERMAN DEMOCRATIC REPUBLIC, Y0 THROUGH Y9 IS DELETED, BECAUSE THE COUNTRY WAS ABSORBED BY THE FRG, FEDERAL REPUBLIC OF GERMANY, ON THAT DATE.

EFFECTIVE MAY 22, 1990, THE PEOPLE'S DEMOCRATIC REPUBLIC OF YEMEN 7O, AND THE YEMEN ARAB REPUBLIC, 4W, ARE DELETED. IN THEIR PLACE, A NEW COUNTRY, YEMEN 7O, IS ADDED EFFECTIVE MAY 22, 1990. MARCH 1, 1991, HAS BEEN SET AS THE EARLIEST DATE FOR SUBMISSION OF CARDS FOR CREDIT FOR THE NEW YEMEN LISTING.

BANABA, T33. BLADUR, DJ6SI, HAS BEEN ATVE AS T33X. TRY 28025 KHZ AT 2230 UTC AND 21025 KHZ AT 0000 UTC. T33R HAS BEEN ON 28480 KHZ AT 2230 UTC AND 14195 KHZ AT 0400 UTC. T33T HAS BEEN ACTIVE ON 21003 KHZ AT 0000 UTC, 7003 KHZ AT 1000 UTC AND 14022 KHZ AT 1300 UTC. QSL T33R AND T33T VIA OH3GZ. QSL T33X TO DJ6SI AT HIS CALLBOOK QTH.

BANGLADESH, S2. THE S21U JA TEAM HAS NO IMMEDIATE PLANS TO RETURN. S2VT BY K5VT IS RUMORED FOR FEBRUARY, 1991, THIS TIME WITH RTTY. VK9N IS PLANNING TRIP TO DACCA FOR A POSSIBLE OPERATION IN DECEMBER.

BRUNEI, V85. V85OO BY N2OO IS EXPECTED NOVEMBER 12 TO 16. BOB PLANS 80 THROUGH 10 METER OPERATIONS, MOSTLY CW. QSL VIA N2OO.

CROZET, FT8W. FT4WB WILL BE RELIEVED AT THE END OF NOVEMBER. FT4WC WILL QSL VIA F6GVH.

EAST MALAYSIA, 9M6. N2OO WILL SIGN 9M6OO NOVEMBER 16 TO 30, INCLUDING THE CQ WW CW CONTEST.   9M6NA IS ALSO A CONTEST EXPEDITION BY JE1JKL. SATY WILL BE QRV NOVEMBER 21 TO 26, WITH EMPHASIS ON LF OUTSIDE THE TEST. 9M8MKS WILL BE ACTIVE NOVEMBER 10 TO 12 FROM THE SEANET CONVENTION.

GLORIOSO, FR/G. FR5ZU/G IS RUMORED FOR DECEMBER. YOU MAY REMEMBER JACQUES FROM TROMELIN, JUAN DE NOVA, OR EUROPA. HE LIKES 14256 KHZ LIST OPERATIONS FROM 0100 UTC.

JUAN FERNANDEZ, CE0Z. CE0ZZZ EXPEDITION IS DUE NOVEMBER 10 TO 18. CW, SSB AND RTTY ON 80 THROUGH 6 METERS PLUS AO13. QSL VIA CE3BFZ.

MARIANA ISLAND, KH0. KH0AM BY JE1CKA WILL BE A SINGLE OPERATOR IN THE CQ WW CW CONTEST. TACK WILL TRY TO WORK 33 KHZ UP FROM THE LOWER BAND EDGES, PLUS 10133, 18073 AND 24903 KHZ OUTSIDE OF THE CONTEST OPERATING TIMES.

MOZAMBIQUE, C9. LLOYD AND IRIS COLVIN MAY EXTEND THEIR C9QL OPERATION UNTIL NOVEMBER 18. QSL VIA YASME.

ROTUMA, 3D2. VK2BCH IS NOW ACTIVE AS 3D2XV. TRY 14222 KHZ AT 0400 UTC.

SAN FELIX, CE0X. XQ0X HAS BEEN REPORTED TO BE THE CALLSIGN FOR A SAN FELIX OPERATION NOVEMBER 15 TO 20. QSL VIA CE3ESS.

VATICAN, HV. HV35SJ WILL BE ACTIVE NOVEMBER 13 TO 18 WITH N6AR AT THE PADDLE. LARRY PLANS MOSTLY CW ON 80 THROUGH 10 METERS. QSL HV3SJ VIA I0DUD.

WEST MALAYSIA, 9M2. 9M2HB WORKS SSB ON 80 THOUGH 10 METERS. TRY 14222 KHZ. ROSS, 9M2AX LIKES CW ON 40, 20 OR 10 METERS AROUND 1200 UTC.

TP5HA. A SPECIAL CALLSIGN CELEBRATING THE MEMBERSHIP OF HUNGARY IN THE COUNCIL OF EUROPE WILL BE USED NOVEMBER 6 TO 18 ON CW AND NOVEMBER 23 TO 25 ON SSB. QSL TP5HA VIA F6FSQ.

YJ0ARW IS ZL1AMO. LOOK AROUND 1200 UTC ON 20 CW AND 2200 UTC ON 10 CW. QSL VIA ZL1AMO.

THIS BULLETIN WOULD NOT BE COMPLETE WITHOUT OUR CONGRATULATIONS TO THE HK0TU MALPELO TEAM, AND THE LCRA, FOR A VERY SUCCESSFUL EXPEDITION. FELICITACIONES Y MUCHISIMAS GRACIAS AMIGAS POR SU TRABAJO ESPLENDIDO.

From -1916974663150689871
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b4387f31195990d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 15:13:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!mips!apple!agate!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: re Code & Other requirements
Message-ID: <7880359@hpfcdc.HP.COM>
Date: 9 Nov 90 23:13:38 GMT
References: <9010231256.AA05779@lonex4.radc.af.mil>
Organization: HP Fort Collins, Co.
Lines: 26
Posted: Sat Nov 10 00:13:38 1990

>>You see the trees, but miss the forest. My point is that CW is the one
>>modulation method that everyone knows. That, in itself, is a useful
>>function.
>
>If by "CW" you really meant "Morse Code", a particular code popular by
>many as a manual means of communication, then.....
>
>ABSOLUTELY NOT TRUE.
>

>--Phil Howard, KA9WGN--

According to International agreement, all HF users must demonstrate proficiency in morse code. Since all US amateurs can use the HF bands, then all US amateurs knew the code at one time or another. This is the "watering hole" I'm talking about. If you've forgotten where the watering hole is, then I hope you never have to talk to anyone there. i.e. I hope the mic and/or speaker on your HT never flake out when you really need it.

I don't think the rules say "proficiency only when the test is given", but I've never tried to split hairs that closely. I don't think the FCC would yank someone's license if they've forgotten their code element. If that's true, there are a lot of OFs with sexy, short calls in serious trouble.

Perry / KF0CA

From -7968015400655454675
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0f34841a5ad3cf0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,d0f34841a5ad3cf0,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-11-09 15:24:39 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio.packet,rec.ham-radio
Subject: Packet DX
Summary: Packet DX
Keywords: Packet DX
Message-ID: <1990Nov9.232439.21818@ux1.cso.uiuc.edu>
Date: 9 Nov 90 23:24:39 GMT
Organization: University of Illinois at Urbana
Lines: 44
Xref: gmdzi rec.ham-radio.packet:3023 rec.ham-radio:16699
Posted: Sat Nov 10 00:24:39 1990

((While this subject relates to packet, it is crossposted since))
((the nature of the question could impact non-packet operators.))

There are nationally and internationally recognized frequencies for DX purposes for Morse Code (CW) and voice (usually SSB) modes in the VHF and high bands. For example: 432.100, 1296.100, 2304.100 MHz

I'd like to know if there are any specially designated frequencies, or if anyone would like to have some so designated, for DX-ing on VHF and above in packet modes?

Clearly, use of the frequencies for Morse or voice DX won't go over very well as there will be lots of mutual interference, usually with the CW/SSB modes suffering. Using FM simplex calling frequencies is out. Except for some on 2 meters, there doesn't SEEM to be a national (USA) plan for packet simplex that is actually used in all areas (tell me if you know otherwise).

Should a packet DX frequency be designated from within packet subbands or from DX subbands?

Should there be different frequencies for different baud rates?
1200?
2400?
4800?
9600?
19200?
56000?
1544000?
10000000?

Should packet DX-ers coordinate on another voice frequency first as is a common practice by ATV DX-ers who use 144.340 FM to make contact before trying video? Should it be only on certain bands?

Packet DX could be a very interesting form of operating. Packet DX can make use of many of the short band opening propogation modes that usually go missed by manually operated modes such as Morse and voice. Challenges include how much data one can pass through a band opening before it closes again (maybe within seconds).
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -3750213171891548898
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,662ec33d218db90
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 15:31:10 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: RF attenuation through PVC
Message-ID: <1990Nov9.233110.22798@ux1.cso.uiuc.edu>
Date: 9 Nov 90 23:31:10 GMT
References: <70852@iuvax.cs.indiana.edu>
Organization: University of Illinois at Urbana
Lines: 17
Posted: Sat Nov 10 00:31:10 1990

commgrp@silver.ucs.indiana.edu (BACS Data Communications Group) writes:

>I have read in ham magazines that the black variety of PVC is not
>suitable for RF applications but the white kind is suitable for
>structural use at VHF. One way to test relative RF absorption is to

>put samples in a microwave oven and see if they melt.

Place a cup of water in the oven with the PVC but not touching it.
Some microwave ovens can be damaged by "unloaded" usage, and others
could shutdown the RF when high reflection (no load) occurs.

If the water boils and the PVC doesn't get hot, it should be OK.
If the PVC melts before the water gets hots, don't use that kind.
--

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<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 7253708426284488383
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b4387f31195990d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 15:31:22 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: re Code & Other requirements
Message-ID: <7500038@hpfcso.HP.COM>
Date: 9 Nov 90 23:31:22 GMT
References: <9010231256.AA05779@lonex4.radc.af.mil>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 11
Posted: Sat Nov 10 00:31:22 1990

/ hpfcso:rec.ham-radio / ajs@hpfcdc.HP.COM (Alan Silverstein) / 4:33 pm Nov 8, 1990 /
> Next time I hear you on the 115 repeater, I'll send some code. :-)

I didn't understand you the last time you sent DTMF Morse code, either. :-)

That's ok Alan. I know the code (at least my license says I should) and
I also didn't understand Perry the last time he sent some code.   :-)

Bill - WA7NWP

From -4042168572654659787
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3328cb8f55165106
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 15:36:09 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio

Subject: Re: Simplex
Message-ID: <1990Nov9.233609.23654@ux1.cso.uiuc.edu>
Date: 9 Nov 90 23:36:09 GMT
References: <27080021@col.hp.com> <1990Nov8.132056.2298@csense.uucp>
Organization: University of Illinois at Urbana
Lines: 26
Posted: Sat Nov 10 00:36:09 1990

bote@csense.uucp (John Boteler) writes:

>When he asked what the frequency of the next repeater down the
>line would be, I jumped in and sarcastically added "146.52".

>He matter-of-factly requested "What's the offset?".

>I just reached down and turned the radio off in disgust.

While travelling to the Dayton Hamfest, I used to check in on the 145.250 wide area repeater in Indianapolis since it was reachable for the bulk of the trip. I wanted to just stay on the same frequency. There were lots of LIDS, too.

I soon discovered that I could use not only 146.52 simplex, but many of the other frequencies near it (146.46 and 146.58 are popular) for talking to fellow hams on the way to Dayton. The return trip is also great for this.

Strange, I was able to keep in contact with them through the WHOLE trip, not just while near Indianapolis. Seems simplex is a WIDE AREA frequency. :-)
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -7262093692466395888
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0b71a23be479e2e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 15:39:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!hellgate.utah.edu!caen!sdd.hp.com!hplabs!hpfcso!vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: Re: need two....
Message-ID: <7500039@hpfcso.HP.COM>
Date: 9 Nov 90 23:39:41 GMT
References: <9011080421.AA09353@alf.unomaha.edu>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 25
Posted: Sat Nov 10 00:39:41 1990

/ hpfcso:rec.ham-radio / ajs@hpfcdc.HP.COM (Alan Silverstein) / 4:46 pm Nov 8, 1990 /

> ...is there anyone on the net located in Vermont, Wyoming, or Nevada?

For the right price I can be located in Wyoming. :-)

Seriously... Fort Collins, Colorado is just a 1/2 hour drive south of the border. Someday if'n I'm bored enough when the band is open, I'll drive up there with my 25W HR2510, mobile, and a stack of postcards. Ought to be fun for a change on the receiving end of the pileups.

Nobody actually LIVES in Wyoming, you understand. It's all barren wilderness.

(Now if someone from Wyoming wasn't going to respond before, I think I probably just got their attention. :-)

Good luck --
Alan, N0MFW

Won't work Alan. I tried it. As soon as I crossed the state line the wind started blowing about 70 MPH and the signals on 10 all faded out.

Bill - WA7NWP

From 6113410221012405365
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,73acfeace8af0f63
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 15:40:15 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!cs.uoregon.edu!mips!twg.com!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: Re: CQWW Poop From PJ
Message-ID: <8253@gollum.twg.com>
Date: 9 Nov 90 23:40:15 GMT
References: <3368@ryn.esg.dec.com>
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 30
Posted: Sat Nov 10 00:40:15 1990

In article <3368@ryn.esg.dec.com> reisert@ricks.enet.dec.com (Jim Reisert) writes:

```
}After all the dust settled in PJ:
}
}PJ9W                                   PJ1B
}160     354  43   14                    571   49   19
}       1311  92   22                   1469   99   24
}       2319 130   31                   2166  118   31
}       5440 165   37                5180  180   38
}       5750 165   38                5900  180   38
}10     5400 155   38                5819  180   39
}
}      20574 750  180               21105  806  189
}
```

}Both duped. PJ9W 40M country count expected to drop to abt 125 (per OH2BAD).
}PJ1B had 13 ops (3 for YCCC) - 65 ops at PJ9W.
}Typical PJ1B ant was stacked C-C Skywalker. PJ9W had B I G antennas.
}Like 3 el yagi on 75, stacked full size on 40, 4X 5el colinear stack on 15.
}

AND PJ1B had operators out chasing multipliers who crossed the boundary from simple aggressiveness into outright rudeness in some of the worst pile-up behavior I've seen since 3Y. I'd like to know how many people failed to get into the DX station's log because the instant the DX station came back to them they get stepped on HARD by having PAPAJULIETONEBRAVO shouted over the top of their exchange. The really irritating thing about it is that PJ1B pulled out ahead because of it: looking at the numbers above, they made their big gain in the multiplier count much more so than by the number of Q's (compare percentages). Yeah, I know--you have to fault the DX station for putting up with it. I heard more than a few that wouldn't, but far too many of them were "nice guys" that let it slide.

AA6KX

From -3645344345998653535
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,41537301ed378939
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 15:42:43 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!hplabs!hpfcso!vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: 15 meter monobanders
Message-ID: <7500041@hpfcso.HP.COM>
Date: 9 Nov 90 23:42:43 GMT
References: <42094@cci632.UUCP>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 19
Posted: Sat Nov 10 00:42:43 1990

/ hpfcso:rec.ham-radio / cep@cci632.UUCP (co-op) / 9:16 am Nov 8, 1990 /
15 meters is my favorite HF band. (I reserve the right to change my mind about this depending on propagation from month to month :-)).

Why isn't there the equivilent of a 2510 for 15 meters? Or, is there one that I don't know about? Seems to me it wouldn't be that much harder to build than the 10m one, and you could leave off the FM portion and just leave CW, USE, and LSB (packet)

Anybody know anything about NCG attempting this back in the early 80's?

Chris/WZ2B

Kantronics sold one a couple years ago. Evidently business wasn't too great as they gave up on them.

Bill - WA7NWP

```
From -7435048020281659055
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2fdeb95ec3de91b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 15:49:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!think.com!sdd.hp.com!
zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Moving and changing call?
Message-ID: <1990Nov9.234931.25833@ux1.cso.uiuc.edu>
Date: 9 Nov 90 23:49:31 GMT
References: <1990Nov9.200045.15459@midway.uchicago.edu>
Organization: University of Illinois at Urbana
Lines: 29
Posted: Sat Nov 10 00:49:31 1990
```

xdab@ellis.uchicago.edu (David Baird) writes:

>I am posting this for a ham friend who doesn't have net access.
>Please repond to me and I will give him the answer.

>My friend is currently living in "4 land" and will be moving to
>Chicago (9 land) next month. He knows he has to submit a 610 form to
>the FCC to change his residence and station address.

>Can he check the "change call sign" box on the 610 and get a "9" call
>at the same time? (Apparently his "4" call has bad connotations.)

YES!

Once upon a time the call was changed for a move across call areas no matter what you wanted and folks like W2NSD/1 just never "moved" and operated portable for a long, long, time.

If you feel the call you have been assigned is offensive in some way, but are not moving, just fill out a 610 as if you were getting a call change for some other reason, and attach a letter explaining why you believe the call sign is offensive. The rumor I have heard in more that one place, including here, is that the FCC will just go ahead and crank it through the system and you will get another call sign from the assignment sequence for your class and call area.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 873984936521297608
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3328cb8f55165106
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 16:30:10 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters
Message-ID: <1990Nov10.003010.2089@ux1.cso.uiuc.edu>
Date: 10 Nov 90 00:30:10 GMT
References: <1990Nov5.130815.24804@ux1.cso.uiuc.edu> <5473@crash.cts.com>
<1990Nov8.001409.25295@ux1.cso.uiuc.edu> <5379@qip.UUCP>
Organization: University of Illinois at Urbana
Lines: 102
Posted: Sat Nov 10 01:30:10 1990

john@qip.UUCP (John Moore) writes:

>It is not clear to me, under the new regulations, if the user of a
>repeater operating above 2 meters can be considered the control operator
>simply due to control on the input frequency. Under the old rules, the

Part of the problem in understanding the rules is that the rules don't
directly designate what kind of station any particular station is. For
instance what do you have to do to make your station into an auxiliary
station? Actually NOTHING. If what you are doing REQUIRES that it be
done via an auxiliary station, then think of your station as an auxiliary
station and FOLLOW THE AUXILIARY RULES (read 97.201(a)-(e)).

>control had to be exerted on a different frequency, which somewhat limited
>that ability of the user to control
>it. I see no prohibition under the new rules to controlling on the
>input frequency, although the requirement to "use an auxiliary
>station" for radio control may require another frequency. It is

Just "BE" an auxiliary station. There is nothing that says the auxiliary
station cannot ALSO be feeding the voice or data input to a repeater in
addition to controlling the station.

>clear to me that an autopatch CANNOT be controlled only via a 2 meter
>frequency - there must be an auxiliary station, and auxiliary stations
>can only operate above 1.25 meters.

For those too shy to read the FCC rules, or for those don't have a copy
(shame shame shame) I will list the auxiliary frequencies:

    220.5 MHz to 225 MHz
    420 MHz to 431 MHz

433 MHz to 435 MHz
438 MHz and all ham bands above

>Anyone know a clear interpretation of this confusing mess (ain't
>"plain english" rules great?)?

They are not "plain english" rules. That was defeated many years ago when the FCC proposed them. They proposed rules somewhat like what you see in Part 95 now.

To me the clear interpretation is to consider what way a station is operating and if that operation is violating any rules?

If I am remotely controlling another station, then my station MUST be an auxiliary station. 97.201(a)-(e) are rules that affect such a station.

Let me tell you about a setup I am currently planning, and why I believe it is legal. I am planning a full duplex autopatch system that is not a repeater and will not be attached to one in any way. The input frequency will be (tentatively, pending coordination) 445.725 MHz. The output frequency will be (tentatively, pending coordination) 145.725 MHz.

1. The base station that is transmitting on VHF will be an ordinary station that will be under remote control and will be passing third party traffic.

2. The "user" station will be remotely controlling the base station and will be doing so as an auxiliary station on a frequency authorized for auxiliary stations.

3. Third party traffic rules (97.115) place restrictions on the station that passes third party traffic, such as requiring the control operator to be at the control point. Other restrictions include limits on who the third party may be. You cannot call up an amateur whose license was revoked or suspended, for instance.

4. 97.213(a), by virtue of defining a radio link between the control point and the station under control, allows the control point to be remote from that station. Thus the "user" of the autopatch will be the control operator, and the location of his station will be the control point. The radio based control link must use an auxiliary link.

5. 97.113(e) specifically prohibits retransmission of signals from a radio station with certain exceptions that include amateur stations. The fact that the base station retransmits on VHF that which it receives from an amateur station on UHF is simply retransmission. This differs from a repeater station which is automatic (see 97.3(a)(34)) since the autopatch will be under remote control of a control operator. It won't have to prevent the input from coming through the output.

This kind of autopatch will quite useful from dual-band radios since these can usually operate in full duplex mode (transmit on UHF while receive on VHF). Hopefully there will be sufficient net loss of audio from the base receiver to transmitter that feedback will not occur, though a headset type usage would be ideal. Not everyone around here (Urbana-Champaign, Illinois) has dual-band capability yet, but I know of a few who do (ka9wgn, kb9ffk, wb9oih, wb9ykv).

If you happen to believe that above setup is not legal, I would suggest you review the rules solidly before suggesting that it is not, because I have gone over them very thoroughly already for this project. I've also gone over the rules a lot for other purposes (filing codefree petition, etc.).

While I am not a communications lawyer or such, that doesn't keep me from reading the rules that apply to my own operation and making my own decisions (which is ultimately my responsibility anyway even if I do consult a lawyer) for myself.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -5045748820427561342
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3328cb8f55165106
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 16:32:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cica!news.cs.indiana.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters
Message-ID: <1990Nov10.003233.2484@ux1.cso.uiuc.edu>
Date: 10 Nov 90 00:32:33 GMT
References: <1990Nov8.001409.25295@ux1.cso.uiuc.edu> <4297@lib.tmc.edu>
<1990Nov8.055513.12756@ux1.cso.uiuc.edu> <5381@qip.UUCP>
Organization: University of Illinois at Urbana
Lines: 17
Posted: Sat Nov 10 01:32:33 1990

john@qip.UUCP (John Moore) writes:

>The three open autopatch repeaters in Phoenix, operated by the Arizona
>Repeater Association, all use telephone control on a separate line than
>the patch audio line. One of these uses an ACC RC-850 controller, and when
>we called ACC and asked them about using the second line for patch control,
>they said they had never heard of anyone doing it. I suspect that most
>autopatches are illegal and have no control other than on a 2 meter input
>frequency.

I tend to believe that MOST hams don't read the rules and in fact may not even have a copy to follow. Quite many postings I read in this group indicate a total ignorance of the rules.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society

<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 6158464490506622129
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,41537301ed378939
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-09 17:21:07 PST
Path: gmdzi!unido!mcsun!uunet!midway!ncar!elroy.jpl.nasa.gov!usc!apple!voder!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: 15 meter monobanders
Message-ID: <1990Nov10.012107.12585@informix.com>
Date: 10 Nov 90 01:21:07 GMT
References: <42094@cci632.UUCP>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 23
Posted: Sat Nov 10 02:21:07 1990

In article <42094@cci632.UUCP> cep@ccird7.UUCP (Christopher E. Piggott, WZ2B) writes:

>Why isn't there the equivilent of a 2510 for 15 meters? Or, is there
>one that I don't know about? Seems to me it wouldn't be that much
>harder to build than the 10m one, and you could leave off the FM
>portion and just leave CW, USE, and LSB (packet)

25 watts SSB gets you all over the world on 10m, but not so on 15m. Even the 100 watts from my 735 gets stepped on on 15m SSB, particularly when I'm mobile.   This would be my answer: you need more power than a little Uniden unit would provide.

```
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                          Informix Software, Inc.
KK6MY                                            uunet!pyramid!infmx!randall


--

=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                          Informix Software, Inc.
Senior Programmer/Analyst, MIS                   uunet!pyramid!infmx!randall
```

From 4173789354333425589
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d45622fd5b9e7fe8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,d45622fd5b9e7fe8,start
X-Google-Attributes: gid114aac,public

X-Google-ArrivalTime: 1990-11-03 23:52:55 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!kb2ear!n2aam
From: n2aam@kb2ear.UUCP (Dave Marthouse N2AAM)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Digital Audio Broadcasting or DAB.
Keywords: digital autio broadcasting dab
Message-ID: <668@kb2ear.UUCP>
Date: 3 Nov 90 10:51:15 GMT
Organization: KB2EAR Public Access UN*X, Kendall Park NJ
Lines: 10
Xref: gmdzi rec.radio.shortwave:2590 rec.ham-radio:16445
Posted: Sat Nov 3 11:51:15 1990

An item on the latest amateur radio Newsline report has sparked my interest.

It mentioned digital audio broadcasting or DAB. This system has been tested

and it seems that according to the tests it is much better than standard

fm. What kind of modulation scheme does it use? How wide a signal is generated?

Any information would be appreciated.

From -4565851745020892521
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8545d3eff0750a1a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-04 00:43:49 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!midway!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <1990Nov3.182725.4102@ux1.cso.uiuc.edu>
Date: 3 Nov 90 18:27:25 GMT
References: <9011021036.AA00858@LL.MIT.EDU> <1250261@hpnmdla.HP.COM>
Organization: University of Illinois at Urbana
Lines: 27
Posted: Sat Nov 3 19:27:25 1990

alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>I think this is one big reason so many of us are uneasy about eliminating
>the code test. As time goes on, the theory tests keep getting easier and
>easier. At least 13 wpm code will always be 13 wpm code.

Mere difficulty is not the goal. If someone finds it extremely easy to
pass a test of the basic minimums needed to properly use a radio resource,
then they should be most welcome (unless and until they end up deciding
not to use their knowledge properly).

A more thorough test does not increase in difficulty for someone who really knows and understands the material as it would for someone who is just memorizing a bunch of facts. Making a test long and thorough would, of course, means someone has to work on creating it all. But I see no problem why people should not expect to be taking up to 2 to 3 hours or more to take a test for privileges that can be renewed by mere paperwork for a lifetime.

1. There is a lot of chaff in the current theory test. We only need to test for the wheat.

2. The test should thoroughly and completely test for a full understanding of just the wheat.

--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 1336080910777627289
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10e910c7f3eaf0aa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-04 01:02:59 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1886@n8emr.UUCP>
Date: 3 Nov 90 12:38:05 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 26
Posted: Sat Nov 3 13:38:05 1990

From n8emr!W8PH Sat Nov 3 07:34:40 1990
Return-Path: <n8emr!W8PH>
Message-Id: <m0iVMFU-0000jXC@n8emr.uucp>
[Date: Sat, 3 Nov 90 06:43 EST
[To: <ALL@ARRL>
R:901103/0927z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:11694 Z:43232
R:901103/0736 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:47718 Z:43103
R:901103/0553 @:WB8ICL.OH.USA.NA Yellow Springs #:60015 Z:45387
R:901103/0307 @:WA8ZWJ.#DAY.OH.USA.NA Union #:21137 Z:45322

ARRL BULLETIN 41 ARLB041
FROM ARRL HEADQUARTERS
NEWINGTON CT NOVEMBER 2, 1990
TO ALL RADIO AMATEURS

THE ARRL HAS FILED ANOTHER REQUEST WITH THE FCC FOR MORE TIME OF COMMENT IN THE MATTER OF PROPOSED CHANGES IN MORSE CODE TESTING FOR

DISABLED PERSONS, PR DOCKET 90-356. IN ITS APPLICATION FOR REVIEW, THE LEAGUE REQUESTED 48 DAYS FOR COMMENT ON THE PROPOSAL, STRESSING THE IMPORTANCE OF THE PROPOSED CHANGES TO THE AMATEUR RADIO SERVICE IN GENERAL AND TO THE VOLUNTEER EXAMINER PROGRAM IN PARTICULAR.

THE APPLICATION FOR REVIEW ASKS IN EFFECT THAT THE COMMISSIONERS OVERTURN AN EARLIER STAFF DECISION NOT TO ALLOW WHAT THE LEAGUE CONSIDERS ADEQUATE TIME FOR COMMENTS TO BE FILED.

From -5544223044409379668
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10e910c7f3eaf0aa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-04 01:03:44 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!maverick.ksu.ksu.edu!rutgers!cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1888@n8emr.UUCP>
Date: 3 Nov 90 12:38:49 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 21
Posted: Sat Nov 3 13:38:49 1990

Return-Path: <n8emr!W8PH>
Message-Id: <m0iVMAt-0000ksC@n8emr.uucp>
[Date: Sat, 3 Nov 90 06:44 EST
[To: <ALL@ARRL>
R:901103/0929z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:11696 Z:43232
R:901103/0744 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:47720 Z:43103
R:901103/0555 @:WB8ICL.OH.USA.NA Yellow Springs #:60017 Z:45387
R:901103/0312 @:WA8ZWJ.#DAY.OH.USA.NA Union #:21140 Z:45322

ARRL BULLETIN 43 ARLB043
FROM ARRL HEADQUARTERS
NEWINGTON CT NOVEMBER 2, 1990
TO ALL RADIO AMATEURS

DURING THE ANNUAL ARRL SWEEPSTAKES CONTEST WEEKEND, NOVEMBER 3 AND 4, ALL CODE PRACTICE SESSIONS, CW AND VOICE BULLETINS, AND THE KEPLERIAN BULLETIN WILL BE CANCELLED FOR THE CONTEST PERIOD. REGULAR RTTY BULLETINS WILL BE RUN, HOWEVER. W1AW RETURNS TO ITS NORMAL SCHEDULE ON NOVEMBER 5, AT 0000 UTC AS PRINTED ON PAGE 85 OF THE NOVEMBER, 1990, ISSUE OF QST.

From 5881476884940688811
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10e910c7f3eaf0aa

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-04 01:06:57 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!uwm.edu!cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1889@n8emr.UUCP>
Date: 3 Nov 90 12:39:11 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 28
Posted: Sat Nov 3 13:39:11 1990

Return-Path: <n8emr!W8PH>
Message-Id: <m0iVMCI-0000kCC@n8emr.uucp>
[Date: Sat, 3 Nov 90 06:44 EST
[To: <ALL@ARRL>
R:901103/0928z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:11695 Z:43232
R:901103/0740 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:47719 Z:43103
R:901103/0554 @:WB8ICL.OH.USA.NA Yellow Springs #:60016 Z:45387
R:901103/0309 @:WA8ZWJ.#DAY.OH.USA.NA Union #:21138 Z:45322

ARRL BULLETIN 42 ARLB042
FROM ARRL HEADQUARTERS
NEWINGTON CT NOVEMBER 2, 1990
TO ALL RADIO AMATEURS

THE FCC HAS DENIED THREE PETITIONS, INCLUDING ONE BY THE ARRL, REGARDING POWER INPUT IN AMPLITUDE MODULATION, A3E, RADIOTELEPHONE OPERATION. THE PETITIONS HAD REQUESTED THAT GRANDFATHERING OF THE AM LIMIT OF 1,000 WATTS DC INPUT, WHICH EXPIRED ON JUNE 2, 1990, BE REINSTATED. THE FCC, WHICH RECEIVED MORE THAN 820 COMMENTS, WAS NOT PERSUADED THAT INTEREST IN AM SIGNIFICANTLY EXCEEDS THE COMMISSION'S 1983 ESTIMATE. THE ARRL HAD ARGUED THAT INTEREST IN AM WAS STEADY OR EVEN INCREASING, AND THAT THE NEW RULE WOULD RESULT IN A LOSS OF PRIVILEGES FOR AMATEURS. AS A RESULT OF THIS FCC RULING THE MAXIMUM LEGAL POWER ON AM REMAINS 375 WATTS CARRIER POWER OUTPUT, WITH 100 PER CENT MODULATION.   AT THE SAME TIME, THE FCC ALSO DENIED A PETITION SEEKING TO REMOVE AMPLITUDE MODULATION FROM THE LIST OF LEGAL MODES OF OPERATION.

From 8716342848022174350
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-04 02:13:01 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!network.ucsd.edu!brent
From: brent@network.ucsd.edu (Brent Jones)
Newsgroups: rec.ham-radio

Subject: Re: No code license & CW Bashing
Message-ID: <3980@network.ucsd.edu>
Date: 3 Nov 90 11:51:01 GMT
References: <1495@ke4zv.UUCP> <538@chiton.ucsd.edu>
<1990Nov2.023950.2868@ux1.cso.uiuc.edu>
Organization: Ich geh' kaput. Gehst du mit?
Lines: 5
Posted: Sat Nov 3 12:51:01 1990

Who gives a fuck? Whaaaaaaaannnhhhh I gotta learn codddeeeee.
Wwwhaaannnhhhhaaaaaa!!!!!!!! Whaaaaannnnnnaaaaaa it isn't fair!!!!!

The above views are those of my employer and myself.

From -7531806251303470582
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9639ad789d0ea057
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,7e545b665ee189b5,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-11-04 02:50:31 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!noose.ecn.purdue.edu!tiger.ecn.purdue.edu!milton
From: milton@tiger.ecn.purdue.edu (Milton D Miller)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: Packet TCP/IP
Message-ID: <1990Nov3.211415.19468@ecn.purdue.edu>
Date: 3 Nov 90 21:14:15 GMT
References: <9011012054.AA24794@ucsd.edu>
Sender: news@ecn.purdue.edu (USENET news)
Followup-To: rec.ham-radio.packet
Organization: Purdue University Engineering Computer Network
Lines: 38
Xref: gmdzi rec.ham-radio:16452 rec.ham-radio.packet:2988
Posted: Sat Nov 3 22:14:15 1990

In article <9011012054.AA24794@ucsd.edu> GR6588@SIUCVMB.BITNET (Kelly Jones) writes:
>Hi everyone, I'm not sure if this is the place to post this or not, but
>it seemed relavant at the time.

Actually, rec.ham-radio.packet is better... followups directed there.

>I recently got involved with TCP/IP on
>packet radio. Using a modified version of Phil Karn's Net.exe (G1EMM I
>beleive) and I was wondering if there is any type of manual available
>for this version. I have the original version that came with NET.EXE
>(dated January 1987, I think). This has been very helpful, but there
>are a lot of questions that are still unanswered. Any help with this
>would be greatly appreciated.

There is a NOS manual on thumper.bellcore.com:pub/ka9q/docs/userref.nr.
I just looked and saw some other files there too, I don't know about
those. There are other hosts too, some probably have more docs.

>Second question concerning TCP/IP: Can
>anyone point me in the right direction as to getting an addresss. I
>sent Brian Kantor a message but have not heard anything from him.
>Is he still in charge of this, and if not, could someone point me in the
>right direction?   Once again, thanks for any help you can provide me.
>
>   ...Kelly...

```
>+---------------------------------------------------------------------------+
>|  Kelly D. Jones   KE9KD  (since 1985)            |        W9UIH         |
>|                                                  |     (since 1934)     |
>|  INTERNET:  GR6588@SIUCVMB.CDALE.SIU.EDU         |So. Illinois Univ. ARC|
>|  BITNET:    GR6588@SIUCVMB.BITNET                |Eng. + Tech Building D|
>|  PACKET:    KE9KD@WD9EBQ.IL.NA.USA.EARTH.MILKY-WAY|    Carbondale, IL    |
>|  SNAIL:     RR 2, Box 109, Carbondale, IL  62901  |        62901         |
>+---------------------------------------------------------------------------+
```

Hope this helps, I'll let others add additional information.

milton

From 1147863367526122844
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc404a606b5d7727,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-04 07:46:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cica!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: licenses
Message-ID: <298.27344AB8@w8grt.fidonet.org>
Date: 4 Nov 90 15:46:09 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 37
Posted: Sun Nov 4 16:46:09 1990

 > From: gary@ke4zv.UUCP (Gary Coffman)
 > Date: 3 Nov 90 04:45:02 GMT
 > Organization: Gannett Technologies Group
 > Message-ID: <1502@ke4zv.UUCP>
 > Newsgroups: rec.ham-radio
 >
 > In article <39037@ut-emx.uucp> oo7@ut-emx.uucp (Derek Wills) writes:
 > >
 > >This may be too hard for some, and they may indeed never need to write
 > their

```
 > >own name so perhaps it's too restrictive.  Maybe we should just revert to
 > the
 > >good old Amurrican system and sell the licenses.  More money gets you more
 > >privileges, just like the Real World.
 >
 > Well it is how the DXers do it already. Send those green stamps. DXCC at
 > any
 > price. I understand that some enterprising VECs will sell you an Extra
 > class
 > license for $100 today. Then you can get on your CW computer and impress
 > the
 > low caste Novices at 50wpm and 2kw just like a real Extra. Phooey! Just

And many boaters openly admit that they belong to yacht clubs with resident
"VECs" who pass out licenses without giving tests. (Don't deny it, ARRL
Staffers. I've read their messages concerning it on the SAILING Sig on
Compu$erve.)

--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"


From 2199901204478263627
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3dae3a11db364e99,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,3dae3a11db364e99,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 114aac,3dae3a11db364e99,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,3dae3a11db364e99,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-04 08:09:38 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!att!news.cs.indiana.edu!iuvax!news!cartan!
ndmath!nstar!w8grt!f7.n833.z9.fidonet.org!Jim.Grubs
From: Jim.Grubs@f7.n833.z9.fidonet.org (Jim Grubs)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-
radio
Subject: Rules of the MW_RF conference
Message-ID: <299.27344C5A@w8grt.fidonet.org>
Date: 4 Nov 90 16:09:38 GMT
Sender: ufgate@w8grt.fidonet.org (newsout1.26)
Organization: FidoNet node 9:833/7
Lines: 54
Xref: gmdzi rec.radio.shortwave:2612 rec.ham-radio.swap:748 rec.ham-
radio.packet:2991 rec.ham-radio:16496
Posted: Sun Nov  4 17:09:38 1990
```

* Forwarded from "MW_RF"
* Originally from Bill Kreps
* Originally dated Sun 28 Oct 90 23:00

September 17, 1990
~~~~~~~~~~~~~~~~~~

Initial guidelines for the Microwave and RF GROUP Conference.

1) As of present, this conference shall be open ended. As things progress, we'll see how the Conference is developing and then determine if there is a need to fine-tune our scope of discussion.

2) It is possible that this Forum may become an important motivator of the Microwave and RF industry as a whole. Ideas shared in one place strangely seem to find their place in an application later on. Discussions on this forum and the contents of all message traffic promulgated herein are declared Public Domain. Furthermore, this conference is a Public Conference and makes no provision for private messages.

3) The Owners/Operator of RES-Q (TM), hereby declare themselves not responsible in any case of posted information which may be proprietary, confidential or secret. In any such case, liability shall be reverted to the originating BBS's owner/operator and poster. RES-Q (TM) will in no way be responsible for filtering such information but retains the rights to do so.

4) Participants of the Microwave and RF GROUP Conference are solely responsible for what they do with information obtained from the Microwave and RF Conference. RES-Q (TM) makes no warranties express or implied as to our performance as Top Star for this GROUP.

5) Access to the Microwave and RF GROUP Conference is not restricted. A professional, yet congenial, atmosphere is desirable.

6) The Microwave and RF GROUP Conference may not be "ported" outside of GroupMail without prior consent of RES-Q.

7) Finally, let's make this Conference one of the Top 5!

Your Moderator is Bill Kreps
c/o Compact Software, Inc.
483 McLean Blvd.
Paterson, NJ. 07504
(201) 881-1200 -- Voice
(201) 881-7421 -- RES-Q (TM)

--- GroupMail 2.17
* Origin: RES-Q (9:833/7@PhnxNet) -- Home of the Microwave and RF Forum

--
Jim Grubs - via FidoNet node 1:234/1
~~~~~~~~~~~~~~~~~~

UUCP: ...!ncar!asuvax!stjhmc!w8grt!9!833!7!Jim.Grubs
INTERNET: Jim.Grubs@f7.n833.z9.fidonet.org

From -3492036984939189803
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-04 08:11:29 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!uwm.edu!rutgers!
bellcore-2!envy!karn
From: karn@envy..bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov4.015738.13603@bellcore-2.bellcore.com>
Date: 4 Nov 90 01:57:38 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct28.185659.11837@NCoast.ORG> <9294@b11.ingr.com>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@envy.bellcore.com (Phil Karn)
Organization: Bell Communications Research, Inc
Lines: 8
Posted: Sun Nov 4 02:57:38 1990

In article <9294@b11.ingr.com> herbster@b11.ingr.com (Joe Herbster) writes:
>   so why should i use more spectrum than is necessary to have a casual
>   conversation??

I agree. I assume you have and use a 24-Hz filter when working CW at
20 wpm?

Phil

From 1743933617664277361
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a04c6977d2d37ef,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10d431,1a04c6977d2d37ef,start
X-Google-Attributes: gid10d431,public
X-Google-Thread: 109d5e,1a04c6977d2d37ef,start
X-Google-Attributes: gid109d5e,public
X-Google-Thread: 105d97,1a04c6977d2d37ef,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-11-04 09:03:04 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!rpi!
julius.cs.uiuc.edu!psuvax1!rutgers!gatech!udel!princeton!pucc!VANROOJE
From: VANROOJE@pucc.Princeton.EDU (Mark Van Roojen)
Newsgroups: sci.electronics,rec.music.makers,rec.ham-radio,rec.audio
Subject: Siemens SM 4 microphone
Message-ID: <11989@pucc.Princeton.EDU>
Date: 3 Nov 90 20:36:11 GMT
Expires: 7 Nov 90

Reply-To: VANROOJE@pucc.Princeton.EDU
Organization: Princeton University, NJ
Lines: 2
Xref: gmdzi sci.electronics:9429 rec.music.makers:7402 rec.ham-radio:16457
rec.audio:6250
Posted: Sat Nov 3 21:36:11 1990
Disclaimer: Author bears full responsibility for contents of this article

Does anybody know anything about the Siemens SM-4 microphone? Thank you!
MvR   vanrooje@PUCC>princeton.edu

From 3016083903941564566
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd4057e78fc0fb0d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-04 10:46:23 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
OCVAXA.CC.OBERLIN.EDU!FZINN
From: FZINN@OCVAXA.CC.OBERLIN.EDU
Newsgroups: rec.ham-radio
Subject: T2FD Antenna
Message-ID: <0D1186C0A47F6084C5@OBERLIN.BITNET>
Date: 4 Nov 90 03:46:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Sun Nov 4 04:46:00 1990

Does anyone on the list recall an antenna from the 1950s called a "T2FD". I
used one successfully but that was years ago and I do not have the specs.
As I recall it came from CQ or QST. It was a wide-spaced folded "dipole"
with a load resistor. THanks for any useful information and esp. for
specs.
Grover Zinn
ex-W5vyu

From 5775509947295206151
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,18492aa35b0c6c7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-04 13:27:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!emory!kd4nc!km4ba!alan
From: alan@km4ba.UUCP (Alan Barrow)
Newsgroups: rec.ham-radio
Subject: Re: Identifying mobile antennas
Message-ID: <185@km4ba.UUCP>
Date: 3 Nov 90 22:57:56 GMT
References: <9011011437.AA26354@ucsd.edu>
Organization: km4ba's packet radio gateway, Atlanta GA.
Lines: 55

Posted: Sat Nov 3 23:57:56 1990

Most of the open air coils are just the old
1/2 wave over 1/2 wave antennas. The lower element
usually does need a coil, since the 1/2 wave is
a high impedence feed.

The open coil is just is just a phasing element to get
the radiators in phase so they add, rather then subtract.
A more typical example is the "hairpin" phase method on
a ringo ranger.

The advantage of the open coil is higher power ratings, and
simplicity. (Spell that cheaper!) It is also easier
to make the 800 mhz phasing element this way.

The disadvantage is that the match combinations are somewhat limited.
They also tend to whistle in the wind.

Most people think it must be the best, since it is what cellular
uses. It has the "look".

The higher gain antennas are usually closed coil, and use
a 5/8 wave over 1/2 wave construction. You can get 1-2 db
more gain that way.

The cheapest antennas, and most dual Band antennas are
1/2 wave over 1/4th wave. It has a low impedence feed,
and does not require a coil. it is more sensative to
ground plane then the 1/2 wave variants.

A larsen person told me you just design what ever lower
element you want. The tip is at high impedence, so you
use what ever phasing is neccessary to get the elements to
add + match the feed impedence of the lower antenna.

We also had some interesting discussion regarding 1/2 wave
antennas vs the more common 5/8th wave antennas, and their
gain on *typical mobile installations*.

BTW, you can get a 5/8 over 1/2 wave 2 mtr antenna with 5db
gain. It does not work well bumber mounted, but put it
on a fender or roof, and it works great. It is the
Hustler CG-144. 2+ extra db over a 5/8th wave!

Now if I can just get that field strength range, and mobile
turntable finished in my backyard, I can really do some work! :-)

Actually, you can build the open coil designs easily using copper.
It is harder to do with stainless, but you can test designs very
easily with 12 gauge solid wire.

Try building one sometimes!

73

Alan Barrow km4ba

From 7756256097708128454
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e29b6dd9143118b3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-04 13:32:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!sdd.hp.com!wuarchive!udel!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!Dave.Stark
From: Dave.Stark@f218.n260.z1.FIDONET.ORG (Dave.Stark)
Newsgroups: rec.ham-radio
Subject: VVV
Message-ID: <192.2735153E@rochgte.FIDONET.ORG>
Date: 4 Nov 90 21:32:52 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 17
Posted: Sun Nov 4 22:32:52 1990

> From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC,
> Holbrook House, Swindon")
>
> Another test often sent by CW operators (and many of the 'mechanical-CW'
> machines on the commercial bands) is just a single letter ('C' seems
> popular) repeated over and over.

Hmmm. I have heard VVV and CQ sent as markers, but "C" sent by itself is a new one. I have also heard a few stations send "DE callsign" by itself as the marker.

--
Dave.Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!Dave.Stark
INTERNET: Dave.Stark@f218.n260.z1.FIDONET.ORG

From 2609573604915054385
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96989f54a4c159a4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcd8b,96989f54a4c159a4
X-Google-Attributes: gidfcd8b,public
X-Google-ArrivalTime: 1990-11-04 13:38:33 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio,alt.desert-shield

```
Subject: Re: Finding a MARS operator close to Saudi Arabia with an account on the
network
Summary: MARS
Keywords: MARS Kuwait usenet radio
Message-ID: <491@ssc.UUCP>
Date: 4 Nov 90 02:49:50 GMT
References: <32503@auc.UUCP>
Organization: very little
Lines: 18
Xref: gmdzi rec.ham-radio:16472 alt.desert-shield:128
Posted: Sun Nov  4 03:49:50 1990

In article <32503@auc.UUCP>, dag@auc.UUCP (Daniel Gibson ) writes:
> HELP!!!!!!!! I am looking for a MARS operator that is on
> the network. The reason is that I am hoping that I could
> send my messages to that person and that later on
> they could deliver it. I am trying I guess to be innovative

I am in Army MARS.  What can I do to help?




Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP


From 7566493087331578961
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc404a606b5d7727
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-04 13:42:15 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!wuarchive!udel!
rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!
f218.n260.z1.FIDONET.ORG!Dave.Stark
From: Dave.Stark@f218.n260.z1.FIDONET.ORG (Dave.Stark)
Newsgroups: rec.ham-radio
Subject: licenses
Message-ID: <193.27351540@rochgte.FIDONET.ORG>
Date: 4 Nov 90 21:42:15 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 19
Posted: Sun Nov  4 22:42:15 1990


 > From: oo7@ut-emx.uucp (Derek Wills)
 >
```

> Novice - knows own name

I think this one is in effect already. I just saw a posting in the FidoNet HAM echo from someone who says he just passed the Novice exam and is waiting for his ticket. He wanted to know what bands and frequencies he could use as a Novice! I thought that stuff was on the exam somewhere.

This individual is planning to spend almost four thousand dollars for a top-line HF transceiver. With that kind of money, he should be granted the Extra class license! <half-smiley goes here>

--
Dave.Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!Dave.Stark
INTERNET: Dave.Stark@f218.n260.z1.FIDONET.ORG

From -5346907548590734207
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cb0cbea66a18d7b7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-04 13:44:34 PST
Path: gmdzi!unido!mcsun!uunet!ddi1!lrark!rick
From: rick@lrark.UUCP (Rick Mobley)
Newsgroups: rec.ham-radio
Subject: Re: callsign server
Summary: Help in sight?
Message-ID: <564@lrark.UUCP>
Date: 4 Nov 90 06:42:37 GMT
References: <9010261751.AA13133@odi.com> <723@dptspd.sat.datapoint.com>
Reply-To: rick@lrark.UUCP (Rick Mobley)
Organization: LRTUG - Little Rock Tech User Group - Little Rock, Arkansas.
Lines: 20
Posted: Sun Nov 4 07:42:37 1990

In article <723@dptspd.sat.datapoint.com> lcz@dptspd.sat.datapoint.com (Lee Ziegenhals) writes:

>
>I have a callbook server accessable via mail. Send your request to
>callbook@sat.datapoint.com, and include a single line with the word "help"
>for information.
>

I have the Sony CD-ROM as supplied from Buckmaster. Is it possible to get it to work with my Xenix installation?

>
>73/Lee, N5LYT
>lcz@sat.datapoint.com

--

```
rick@lrark.UUCP       *    bang path --> uunet!ddi1!lrark!rick    *
Ricky Mobley          *          LRTUG (501) 224-9454             *
1800 Sanford Dr. #4   *    GEnie Unix RT SysOp address LRARK      *
Little Rock, AR 72207 *     WB5FDP.AR.USA.NA wb5fdp.ampr.org      *
```

From 5769518493580250910
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,408a4dd75b02d86d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-04 18:00:51 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!usc!samsung!crackers!jjmhome!km3t
From: km3t@jjmhome.UUCP (Dave Pascoe KM3T)
Newsgroups: rec.ham-radio
Subject: PJ scoop
Keywords: PJ1B,PJ9W
Message-ID: <8417@jjmhome.UUCP>
Date: 5 Nov 90 02:00:51 GMT
Lines: 34
Posted: Mon Nov 5 03:00:51 1990

Credit for the following info goes to Bill Goia K2EK from the YCCC
PacketCluster network......

After the dust settled down in PJ-land, here are the scores from PJ1B and PJ9W:

	PJ9W QSOs/Zones/Countries	PJ1B QSOs/Zones/Countries
160	354/14/43	571/19/49
80	1311/22/92	1469/24/99
40	2319/31/130	2166/31/118
20	5440/37/165	5180/38/180
15	5750/38/165	5900/38/180
10	5400/38/155	5819/39/180
	20574/180/750	21105/189/806

The QSO numbers are after-dupes....
The PJ9W 40m country count is expected to drop to 125 (per OH2BAD)

PJ1B had 13 operators
PJ9W had 65 operators

Typical antennas at PJ1B were stacked Cushcraft Skywalker yagis
Typical antennas at PJ9W were: 3el yagi on 75m
stacked full-size yagis on 40m
4x5el collinear stack on 15m

Interesting..........

--
Dave Pascoe | Internet: km3t@jjmhome.m2c.org
KM3T/ZF2PT | UUCP: km3t@jjmhome.UUCP or ...!{harvard}!m2c!jjmhome!km3t

From 8796108896836422383
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe8286352c79548f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-04 18:46:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!LEAV-EMH.ARMY.MIL!RTDIMO%GOR1
From: RTDIMO%GOR1@LEAV-EMH.ARMY.MIL (Larry Carr)
Newsgroups: rec.ham-radio
Subject: ICOM IC-3220A Mod for Crossband Repeat
Message-ID: <9011051058.AA01390@ucsd.edu>
Date: 5 Nov 90 02:46:55 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Mon Nov 5 03:46:55 1990

Any ICOM engineers out there? I need help with figuring out why
one IC-3220A will work crossband repeater mode and another one with very
close serial number will not. An undocumented mod allows crossband repeat
function. With radio on, hold BAND and SET key till flashing L appears
in lower right hand corner of display (must be in dual mode). This allows
receive on 440, with retransmit on 2 meters. My friends radio works, but
mine doesn't. Any ideas why? Does a diode have to be cut? (My friend
says he didnot cut anything other than D4 and D5. This allows extended
frequency range on both bands. This works great.)
My friends' radio will retrans. When I enter this mode, my radio receives
440 signal and keys up 2 meters, but it does not transmit audio. Same on
receive, it receivesthe 2 meter signal and keys up 440, but doesn't
transmit any audio. ????. Thanks.

From 5385796506909992545
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ba1696c9f3dc41b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6ba1696c9f3dc41b,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,6ba1696c9f3dc41b,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,6ba1696c9f3dc41b,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-04 19:02:29 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!tut.cis.ohio-state.edu!att!news.cs.indiana.edu!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio

Subject: Re: certificates and gender
Message-ID: <304.2734E787@w8grt.fidonet.org>
Date: 5 Nov 90 03:02:29 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 22
Xref: gmdzi rec.radio.shortwave:2617 rec.ham-radio.swap:749 rec.ham-radio.packet:2993 rec.ham-radio:16508
Posted: Mon Nov 5 04:02:29 1990

> From: johns@uhunix1.uhcc.Hawaii.Edu (John P. Shalamskas)
> Date: 30 Oct 90 00:35:38 GMT
> Organization: University of Hawaii
> Message-ID: <10078@uhccux.uhcc.Hawaii.Edu>
> Newsgroups: rec.ham-radio
>
> I think the original post came from the Midwest, specifically the
> University of Illinois at Champaign-Urbana. Since a large portion of
> the students there are from Chicago or its suburbs, the term "guys"
> is the most natural choice, youse guys.... 8-)

Isn't this poor, old horse dead yet? [:-)

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From -6704976861765569412
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62cf76082d3e814c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-04 19:48:43 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!gatech!rutgers!ub!canisius!vester
From: vester@canisius.UUCP (Karl Vesterling)
Newsgroups: rec.ham-radio
Subject: HR2510 Mods
Keywords: UNIDEN HR2510 10-METER
Message-ID: <2994@canisius.UUCP>
Date: 5 Nov 90 03:48:43 GMT
Organization: Canisius College, Buffalo N.Y. 14208
Lines: 22
Posted: Mon Nov 5 04:48:43 1990

I have a Uniden HR2510, and I had a technician replace the driver, and final transistors. It now does 10 Watts on AM dead key, and 40 Watts on Side Band (all are RMS readings). I still would like more power. Up here in

Buffalo, 10 Watts AM, nor 40 Watts on sideband is still not enough to talk some skip.

I have heard of people getting 90 Watts out of this radio RMS sideband, but I have no idea on how to do it. Dual finals? Maybe, but I thought I'd ask you if you knew anything about this, or had some hints. Please don't send me mail saying, "Get a Ranger". I don't want to use a linear amplifier because I have had them, and they come over the neighbors cooking utensils, and vast other appliances.

Any help would be appreciated, even a phone number!

```
--
------------------------------------------------------------------------------
Karl J. Vesterling              vester@klaatu.canisius.edu
716-634-1643 (Answering machine, Box 1)       milo@crash.cts.com
Buffalo, NY                     milo@pnet01.crash.cts.com
```

From 980152631203461107
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,69f7dbf54cc43ba6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-04 20:29:31 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: SOLAR TERRESTRIAL FORECAST AND REVIEW
Message-ID: <901104212931.21404d1f@HG.ULeth.CA>
Date: 5 Nov 90 04:29:31 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 473
Posted: Mon Nov 5 05:29:31 1990

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Please Note: The data in the Solar Terrestrial Forecast and Review is not under copyright. You are free to use these reports any way you like. This also applies to all alerts and/or other reports originating from std_oler@hg.uleth.ca. There was a request regarding the incorporation of parts of these reports in local club newsletters. This is perfectly fine. I would, however, appreciate a receiving a short notice from those who are:

- Using this data in club newsletters,
- Forwarding the reports through packet networks, BBS's or other networks (whether private or public).

I'm interested in keeping track of where these reports are being used and the approximate number of people who might be making use of them. Send all notes regarding the above to: std_oler@hg.uleth.ca.

If any of you actively operate on HF or actively listen to the HF bands, please feel free to send in signal reports as often as possible. Please include a description of the signal characteristics you experienced (ie. stable strong signal, weak fading signal, strong fading and/or flutter, etc.). Make sure you also state the time (preferably in UT) and locations where communication was established (or attempted). Send all signal reports to the same address: std_oler@hg.uleth.ca.

A mailing list has been established for those of you who may be forwarding these reports to other locations or to other networks, or for those who may be incorporating these reports into newsletters, etc. For those of you meeting these requirements, send a request to std_oler@hg.uleth.ca and state which reports and/or alerts you want to receive, as well as the correct address the reports and/or alerts should be e-mailed to. The reports will then be mailed directly to your stated address.

Comments and/or suggestions regarding these reports are always welcomed.

- Cary Oler
Solar Terrestrial Dispatch
INTERNET: std_oler@hg.uleth.ca

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--- SOLAR TERRESTRIAL FORECAST AND REVIEW ---

November 03 to November 13, 1990

Report Based In-Part from Data Obtained from the
Space Environment Services Center
Boulder Colorado

SOLAR TERRESTRIAL REVIEW AND SHORT-TERM FORECAST

Solar activity between 28 October and 03 November was Low. Perhaps the most exceptional event of the period was an eruptive prominence which occurred on the northwest solar limb. This prominence produced an x-ray enhancement peaking near a class C1.3 level at 21:58 UT on 02 November.

It was thought that the solar flux had reached it's minimum early last week, but this proved to be inaccurate. It is apparent that this solar cycle is proving difficult to predict (unlike the previous two solar cycles where activity pulses were relatively well predicted).

Geomagnetic activity throughout the week varied from quiet levels to minor storm levels at most latitudes. Middle latitudes experienced an increase in geomagnetic activity on 30 October in response to a well positioned coronal hole. Activity remained at unsettled to active levels until 01 November when activity calmed to predominantly quiet levels. There was basically one minor-storm-level perturbation at middle latitudes, reaching a peak K-index value of 6 between 00 UT and 03 UT on 30 October. This fluctuation occurred over a period of approximately one hour. The variance of this fluctuation was relatively low. High latitudes became unsettled to active on 29 October and experienced several bursts of relatively low-intensity minor storming until near 02 November when activity returned to predominantly unsettled levels.

Propagation throughout this week was mostly normal with very good propagation at mid to low latitudes and mainly fair propagation at high latitudes. The only exception was the period of increased magnetic activity. During this period, high latitudes experienced noticable auroral-induced signal flutter which was - at times - quite strong, particularly during the late evening/early morning hours. Middle latitudes, likewise, experienced occasional periods of fair to poor propagation conditions with increased fading and signal flutter. Low latitudes escaped most of the effects from this activity. Overall signal range during this period was also noticably reduced at many locations (particularly over the higher latitudes).

Auroral activity was not visible at low and many middle latitude locations. Lunar phase reduced the visibility of auroral activity at almost all latitudes. High latitudes were least effected and noticed periods of moderate auroral activity, particularly on 29 and 30 October. Activity subsided thereafter.

The 10.7 cm solar radio flux will begin to rise on 05 November as the more active hemisphere of the sun begins to rotate back into view. This week could prove interesting for solar activity. The active regions which spawned the major flare on 24 October, are due to return this week. Current models suggest that these regions have probably returned back to a relatively stable state, but there is a slight possibility that the instability has been retained. If this proves to be the case, the return of these active regions could herald in an increased risk of major flare activity. However, judging by the characteristics of old flare-producing regions which have been observed in past months, the previously unstable regions have probably stabilized or died and will likely return uneventful. The solar flux is expected to begin increasing this week to a peak value of near 215 to 230 (the model being relied on at the moment suggests a peak value of near 220). M-class flare activity is expected to increase at any time now and should be much more prevalent throughout the coming week.

The geomagnetic field is expected to remain at quiet to unsettled levels until 06 November, when potential effects from a coronal hole should increase magnetic activity to active levels. This increase in activity should peak on 07 or 08 November. There is a risk of minor storming with this impulse of activity at middle latitudes, while high latitudes may experience bursts of major storming. The last rotation of this solar region occurred on 10-12 October when strong minor storming occurred at middle latitudes, while high latitudes experienced major to severe storming. The risk for some repeated strong geomagnetic activity exists with the return of this recurrent region. Current predictions suggest that geomagnetic activity will likely remain confined to active levels with a risk of sporatic minor storming at middle and high latitudes. Conditions should return to quiet to unsettled levels by 09 or 10 November. Should activity surpass levels currently anticipated, a geomagnetic storm alert may be posted. The predicted planetary A-index value for 06 November is 18, which suggests peak planetary K-index values will likely reach 4 and possibly 5 at middle and high latitudes (with higher latitudes sustaining peak K index values of 6 with associated A-index values near 32 to 40). Middle latitude regions will likely observe A-index values between 23 to 30.

Auroral activity will become enhanced near 06 or 07 November, concurrent with the anticpated increase in geomagnetic activity. Activity will likely remain confined to mostly moderate levels at middle and high latitudes. There is, however, uncertainty regarding just how intense the activity may become. There is a risk that auroral activity may reach high levels at high latitudes with an associated moderate southward expansion of the auroral zone. This, however, is currently only speculation. Models currently suggest that activity will remain mostly below magnetic storm levels with only sporatic bursts of minor storming, particularly at high latitudes. The auroral activity therefore, will likely remain at predominantly moderate levels at mid and high latitudes. Low latitudes will likely not be able to witness any of this auroral activity. If this should change, however, an appropriate auroral alert will be posted.

Lunar phase will begin interfering with attempts to view auroral activity in the late evening/early morning hours of 06 through 09 November. However, there should be a fairly good observing window between evening twilight and before the moon rises.

Radio propagation conditions will remain at normal to above normal levels until the impulse of activity from the recurrent solar region begins to impact with the earth near 06-07 November. At that time, propagation conditions are expected to become degraded over almost all latitudes. Middle and high latitudes will be affected most severely, with increased fading and periods of moderate to strong auroral-induced signal flutter. Low latitudes may also experience signal flutter accompanied with decreased signal stability and increased noise. Propagation is expected to be worst on the evenings between near 06 to 08 November. Conditions should then begin a fairly rapid recovery at middle and low latitudes, while high latitudes may take a day or two longer to recover to near normal propagation conditions.

NOTE:

The first M-class flare since 22 October erupted off of the sun at 17:41 UT on 04 November. Region 6350 (S25E25) has grown rapidly over the past 24 hours, from a size of 150 million square kilometers, to a size of 360 million square kilometers. Numerous subflaring has been observed from this region over the past 24 hours. Interaction between this region and Region 6347 (S19E11) probably assisted in producing this flare. The flare itself was rated a class M2.1/1B Tenflare with accompanying rich bursts of radio emissions. The flare was located at S21E15 and lasted 18 minutes. 245 MHz radio measurements indicate that this flare produced an emission of 11,000 s.f.u. (solar flux units) at 245 MHz. Overall sunspot numbers have increased quite substantially over the past 24 hours, from 170 on 03 November to 227 on 04 November. Surging continues to be observed on the northeast and southeast limb, indicating that the active solar longitudes are indeed rotating back into view.

SUMMARY OF ALL ACTIVE REGIONS VISIBLE ON THE SOLAR DISK AS OF 04 NOVEMBER

Region #	Location	LO	Area	Class	LL	Spots	Magnetic Type
6343	N07W55	279	0050	HAX	02	002	ALPHA
6345	S05W18	242	0360	DKI	09	029	BETA
6347	S18E10	214	0080	DAI	08	024	BETA
6350	S25E12	212	0120	DAO	08	014	BETA
6351	N12W24	248	0010	BXO	04	004	BETA
6352	N07W09	233	0030	DAO	06	008	BETA
6353	N12E62	162	0000	AXX	00	001	ALPHA
6354	S21W02	226	0020	BXO	03	009	BETA
6355	N16E01	223	0010	BXO	04	004	BETA
6356	S23E23	201	0010	BXO	03	006	BETA
6357	S11E62	162	0010	BXO	03	003	BETA
6358	N16E74	150	0220	CSO	04	003	BETA

NOTES: Area is in million square kilometers. Angular extent (LL) and solar longitude (LO) are in degree's. For more information regarding the terminology used above, request the Glossary of Solar Terrestrial Terms from: "std_oler@hg.uleth.ca".

H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AS OF 24:00 UT ON 04 NOVEMBER.

REGION	LOCATION	LO	COMMENTS (IF ANY)
6346	S14W46	270	
6349	S13E24	200	

ACTIVE REGIONS DUE TO RETURN BETWEEN 05 AND 07 NOVEMBER

Region	Latitude	Longitude (Helio.)
6324	N11	123
6322	S07	095

NOTES:

For definitions regarding the above, request the Glossary of Solar Terrestrial Terms from "std_oler@hg.uleth.ca".

GRAPHICAL ANALYSIS OF RECENT GEOMAGNETIC ACTIVITY - BOULDER COLORADO

```
                  Cumulative Geomagnetic Activity History
             Peak Geomagnetic Activity during the past 87 hours
     _________________________________________________________________
    |  EXTREMELY SEVERE |        |        |        |     | VERY HIGH! |
    | VERY SEVERE STORM |        |        |        |     | HIGH       |
    |      SEVERE STORM |        |        |        |     | MODERATE   |
    |       MAJOR STORM |        |        |        |     | MODERATE   |
    |       MINOR STORM |        |        |        |     | LOW        |
    |       VERY ACTIVE |        |*       |        |     | NONE - LOW |
    |            ACTIVE |  *     |*       |    *   |     | NONE       |
    |         UNSETTLED |* *   **|* ******|* ***  *|     | NONE       |
    |             QUIET |********|********|********| * **| NONE       |
    |        VERY QUIET |********|********|********|*****| NONE       |
    |-------------------|--------|--------|--------|-----|------------|
    | Geomagnetic Field |  Thu.  |  Fri.  |  Sat.  | Sun.|  Anomaly   |
    |    Conditions     |    Given in 3-hour intervals   | Intensity  |
    |_________________________________________________________________|
```

NOTES:
       This graph ONLY depicts geomagnetic conditions observed at Boulder, Colorado for the past 87 hours. Conditions to the north of Boulder will generally have slightly higher activity than Boulder, while conditions to the south of Boulder will likely have lower activity than those depicted here. However, the plots should present a good approximate average of planetary geomagnetic conditions.

       "Anomaly Intensity" is meant to represent nothing more than a very rough guide to the --potential-- interaction geomagnetic fluctuations --might-- have on earth-based systems sensitive to magnetic fluctuations (ie. electrical power distribution networks, telecommunications networks, etc.).

       For radio signal propagation purposes, plot lines are approximately proportional to propagation quality when plot lines are below Minor Storm conditions. Propagation quality may deteriorate rapidly (ie. non-proportionally) when plot lines reach or exceed Minor Storm levels. Complete radio blackout conditions on all short-wave frequencies may occur if plot lines reach or exceed Severe Storm levels.

PLANETARY 10-DAY GEOMAGNETIC ACTIVITY OUTLOOK (04 NOVEMBER - 13 NOVEMBER)

```
    ________________________________________________________________________
   |  EXTREMELY SEVERE |   |   |   |   |   |   |   |   |   |   | VERY HIGH! |
   | VERY SEVERE STORM |   |   |   |   |   |   |   |   |   |   | HIGH       |
   |      SEVERE STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MAJOR STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MINOR STORM |   |   |   |   |   |   |   |   |   |   | LOW        |
   |       VERY ACTIVE |   |   |   |***|** |   |   |   |   |   | NONE - LOW |
   |            ACTIVE |   |   |***|***|***| * |   |   |   |***| NONE       |
   |         UNSETTLED |   |  *|***|***|***|***|***|***|***|***| NONE       |
   |             QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |        VERY QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |-------------------|---|---|---|---|---|---|---|---|---|---|------------|
   | Geomagnetic Field |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|  Anomaly   |
   |    Conditions     |       Given in 8-hour intervals       | Intensity  |
   |________________________________________________________________________|
```

NOTES:

Predicted geomagnetic activity is based heavily on recurrent phenomena. Transient energetic solar events cannot be predicted reliably over periods in excess of several days. Hence, there may be some deviations from the predictions due to the unpredictable transient solar component.

GRAPHICAL ANALYSIS OF SOLAR ACTIVITY OVER THE PAST 60 DAYS

```
                   Cumulative Graphical Analysis of
                           Solar Activity
    ____________________________________________________________
242|                                                            | MOD.
235|     F = Major Flare(s)                                     | MOD.
227|                                       *                    | MOD.
220|                                      ***  *                | MOD.
212|                                      ***  *                | MOD.
205|        *  F *                       ****  *                | MOD.
197|        ***F****                   ******  *F               | MOD.
190|       ****F*****                 **********F               | LOW
182|      *****F******          *    ***********F*              | LOW
175|     ******F*******        **   ************F*              | LOW
167|    *******F*******        *****************F**             | LOW
160| * ********F********      ******************F*** * *        | LOW
152|***********F*********   ********************F**********    *| LOW
145|***********F********************************F********** * **| LOW
137|***********F********************************F***************| LOW
130|***********F********************************F***************| LOW
    ------------------------------------------------------------
               Cumulative 60 day Solar Activity Record
                   Start Date:  September 6, 1990
```

NOTES:

Left-hand column digits represent the 10.7 cm solar radio flux obtained from Ottawa. The right-hand column describes the relative solar activity for that period based on the average number of major and minor flares that can be expected for related solar flux values. Plot lines labeled with the letter "F" represent days where at least one major flare occurred (ie. class M5 or greater flare).

RADIO SIGNAL PROPAGATION PREDICTIONS (04 NOVEMBER - 13 NOVEMBER)

```
                              High Latitude Paths
            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |   |   |   |   |   |   |   |   |   |   |
           |           GOOD |   |   |   |   |   |   |   |   |   |   |
           |           FAIR |***|** |   |   |   |   |   |  *|  *|   |
           |           POOR |   |  *|* *|   |  *|* *|***|** |** |***|
           |      VERY POOR |   |   | * |***|** | * |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Each Line Represents 8-Hours      |
            --------------------------------------------------------

                             Middle Latitude Paths

            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |***|*  |   |   |   |   |  *|* *|  *|   |
           |           GOOD |   | **|  *|   |  *|***|** | * |** |***|
           |           FAIR |   |   |** |***|** |   |   |   |   |   |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Each Line Represents 8-Hours      |
            --------------------------------------------------------

                                Low Latitude Paths

            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |***|***|   |   |  *|  *|***|***|***|* *|
           |           GOOD |   |   |***|* *|** |** |   |   |   | * |
           |           FAIR |   |   |   | * |   |   |   |   |   |   |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Each Line Represents 8-Hours      |
            --------------------------------------------------------

NOTES:
       High latitudes >= 55       degree's north latitude
     Middle latitudes >= 40 < 55  degree's north latitude
        Low latitudes  < 40       degree's north latitude


AURORAL ACTIVITY PREDICTIONS (04 NOVEMBER - 13 NOVEMBER)

                            High Latitude Locations

            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   |   |   |   |   |   |   |   |
           |       MODERATE |   |   | **|***| * |   |   |   |   |   |
           |            LOW |   | * |***|***|***|***| * | * |***|***|
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------

                          Middle Latitude Locations
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   |   |   |   |   |   |   |   |
           |       MODERATE |   |   | * | * |   |   |   |   |   |   |
           |            LOW |   |   |***|***|***| * | * |   |   | * |
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------

                             Low Latitude Locations
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   |   |   |   |   |   |   |   |
           |       MODERATE |   |   |   |   |   |   |   |   |   |   |
           |            LOW |   |   |   |   |   |   |   |   |   |   |
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------
```

NOTES:

Latitudinal boundaries are the same as those given above for radio propagation quality. Periods of high auroral activity may be suitable for auroral-propagation. Locally visible moderate auroral activity will almost always cause moderate to strong deterioration in HF signals, while locally visible high auroral activity will render most HF bands useless.

Auroral activity is defined as follows:

NOT VISIBLE: Not visible

LOW: Diffuse, inactive auroral activity visible very near the northern horizon for mid and low latitudes.

MODERATE: Visibly active, but not exceptionally bright auroral activity most visible above the northern horizon for mid to high latitudes. This type of activity usually encompasses torch-like (or beam-like) aurorae mixed with low-intensity curtain aurorae.

HIGH: Visibly very active, with periods of bright, pulsating curtain aurorae possibly mixed with moderate intensity zenith aurorae. Can occur to the north as well as stretching up near the zenith, particularly at middle latitudes. There may be some color fluctuations

	discernable.
VERY HIGH:	Very active, very bright and very colorful auroral activity possibly mixed with intense zenith and curtain aurorae. Visibly strong pulsations with auroral boundaries to the zenith, stretching even partway to the southern hemisphere of the sky.
EXTREMELY HIGH:	Rare, incredibly bright auroral activity with rapid color and brightness fluctuations mixed with very strong rapid auroral pulsations visible throughout the entire sky.

There are three plotted lines per day in the auroral activity prediction charts. Each of these three plotted lines represent three periods during the evening/morning when auroral activity can be seen. The first line represents the evening twilight period. The middle line represents the --local-- midnight sector, while the last line of each day represents the morning twilight period.

The auroral activity predictions charts are heavily based on recurrent phenomena and may not be accurate in the longer-term due to unforseen and unpredictable transient events (ie. such as solar flares).

The visibility of auroral activity depends on your location and the brightness of the sky (which is dependent upon both city lights and lunar phase). These charts do not account for these variations. The charts are based on dark-sky conditions (lunar phase excluded). Aurorae occur independent of sky brightness, so just because auroral activity may not be directly visible (due to lunar phase, for example) does not mean auroral activity isn't in progress.

** End of Report **

From -5781350294779181651
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,58f04cf3d866a994,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-04 20:54:56 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!SC.INTEL.COM!RHAREL%FAB8
From: RHAREL%FAB8@SC.INTEL.COM ("CAL-LAB ", MS:JER2-85 TEL:7589)
Newsgroups: rec.ham-radio
Subject: RE: MARS Traffic to Gulf Region
Message-ID: <9011041721.AA14589@ucsd.edu>
Date: 4 Nov 90 14:41:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 33
Posted: Sun Nov 4 15:41:00 1990

>>From: sdd.hp.com!wuarchive!emory!auc!dag@ucsd.edu (Daniel Gibson)

>>Subject: Finding a MARS operator close to Saudi Arabia with an account on the network

>>HELP!!!!!!!! I am looking for a MARS operator that is on
>>the network. The reason is that I am hoping that I could
>>send my messages to that person and that later on
>>they could deliver it. I am trying I guess to be innovative
>>a little(well maybe not) in doing this. Hopefully this person or
>>persons will be closer to Saudi Arabia than I am now when I
>>send a MARS message.

>>Is there anybody out there?

>>Thank-You

>>Dan Gibson

Hello Dan,

There is a packet BBS running out of the American Embassy in Saudi Arabia using the callsign 7Z1AB. The BBS is intended for handling mail only traffic for deployed U.S. military personel stationed in the Gulf region.

If you're intentions are to pass traffic through the net, you can E-mail a note to Jim Stone - who set up the link, explaining how much traffic will be passed and work out the logistics.
the E-Mail address for Jim Stone is:

"Jim%taueng.bitnet@mitvma.mit.edu"

Good luck
es 73,
Rich

From -2618700584344611561
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,caa7b09a232bb19
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 00:33:48 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Hams and Public service/mods to HTs etc.
Message-ID: <1990Nov5.083348.25373@ux1.cso.uiuc.edu>
Date: 5 Nov 90 08:33:48 GMT
References: <691@npdiss1.StPaul.NCR.COM>
Organization: University of Illinois at Urbana
Lines: 27
Posted: Mon Nov 5 09:33:48 1990

chuck@npdiss1.StPaul.NCR.COM (Charles Rissmeyer) writes:

```
>If I modified my IC-745 to transmit on 11 meters (CB band) and kept
>the power down to 4 watts out, could I legally use it to transmit on
>that band?

No.  Your IC-745 as modified is not type-accepted for the CB service.

>I don't ever intend on doing this, but I was just curious.

Usually the "type-accepted" thing is what gets about every radio
modification for some other service besides amateur radio.  It sure
would be nice if we could transmit legally on CB or other services
that we could otherwise transmit on (e.g. if licensed as appropriate)
with the same one radio we have.

It would almost surely have to be type-accepted for all the intended
services, and I don't think the amateur equipment manufacturers are
wanting to do that.  I don't think most hams want to pay the extra
cost.  Besides that, it would be a tempting thing for a CB'er to buy
because of the likelihood of a modification to get full 100 watts (or
whatever) power on 11 meters.  That would end up putting a ham rig in
the hands of a CB'er that would not otherwise buy one (w/o 11 meters).
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From -974886385790314948
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 00:38:24 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!
phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov5.083824.25723@ux1.cso.uiuc.edu>
Date: 5 Nov 90 08:38:24 GMT
References: <9217@b11.ingr.com> <1990Oct28.185659.11837@NCoast.ORG>
<1990Nov2.023950.2868@ux1.cso.uiuc.edu> <493@ssc.UUCP>
Organization: University of Illinois at Urbana
Lines: 26
Posted: Mon Nov  5 09:38:24 1990

tad@ssc.UUCP (Tad Cook) writes:
>In article <1990Nov2.023950.2868@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu (Phil
Howard KA9WGN) writes:
>  Top that off with the fact that
>> we pretty much know all there is to know about HF propogation and the
>> challenge is gone.
>>
```

>>

>Haw! For me, observation of HF propagation is one of the most fascinating
>aspects of the hobby.

>Remember that this comment from phil comes from a Technician class licensee who
>only works VHF.

We know what happens in the ionosphere. We DON'T know what conditions will get set up at any time in the future. It is as hard to predict as the weather.

But, yes, the observation of current propogation conditions is something that people can enjoy, just like the weather.

But do you limit yourself just to HF?
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 2680956357731679029
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d45622fd5b9e7fe8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,d45622fd5b9e7fe8
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-11-05 00:44:41 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!usc!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Digital Audio Broadcasting or DAB.
Keywords: digital autio broadcasting dab
Message-ID: <1990Nov5.084441.25975@ux1.cso.uiuc.edu>
Date: 5 Nov 90 08:44:41 GMT
References: <668@kb2ear.UUCP> <42@omen.UUCP>
Organization: University of Illinois at Urbana
Lines: 26
Xref: gmdzi rec.radio.shortwave:2616 rec.ham-radio:16502
Posted: Mon Nov 5 09:44:41 1990

caf@omen.UUCP (Chuck Forsberg WA7KGX) writes:

>A number of DAB systems have been proposed. Generally, they use
>compression to lower the bit rate from that used on CDs; there
>will be controversy about the audible effects of this compression.

There was controversy on the audible effects of using a slow 44.1 kHz sampling rate. I can actually hear the quantization effects so for me it is no controversy.

Whenever you compress data, you run the risk that some combinations of data will take MORE bits after compression. For audio, there are a LOT of digital stream values that make no particular sense, such as nearly full extremes of values between each sample.

There is a lot of possibility to compress audio, but they do need to be prepared to dynamically expand that bandwidth in some cases where less than optimal compression takes place.

With a bandwidth that dynamically is used in varying amounts, there is extra capacity that could be used on an "as available" basis (and usually there will be some available) non-audio digital service of some kind.

```
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.
```

```
From -3439470945460196892
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc24bdacd9a8418c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 02:50:16 PST
Path: gmdzi!unido!mcsun!ukc!pyrltd!root44!praxis!mikec
From: mikec@praxis.co.uk (Michael Chace)
Newsgroups: rec.ham-radio
Subject: HF Propagation Predication
Message-ID: <5487@newton.praxis.co.uk>
Date: 5 Nov 90 10:50:16 GMT
Organization: Praxis, Bath, UK
Lines: 22
Posted: Mon Nov  5 11:50:16 1990
X-Mailer: GNU Emacs VM
```

Hello!

I'm looking for a good public domain program for HF Propagation Prediction. Such programs running on Unix and Atari ST would be of most use. I have access to anonymous FTP if required.

I also need a program whose input data can be derived easily - is there a good and regular source of such data on the Internet ?

73 & Thanks in advance,

Mike

```
****
..............................................................................
|                                                 | Michael Chace            |
| e-mail   :  mikec@praxis.co.uk                  | PraXis Systems           |
|                                                 | Manvers Street           |
| AMPRNET:  g6dhu@g6dhu.ampr.org   [44.131.20.3] | Bath,  Avon              |
| AX.25  :  G6DHU @ G6DHU-2 or G6DHU @ GB7SDN    | BA1 1PX           UK     |
| Phone  :  (44) [0]225 444700                   |                          |
.............................................................................
```

From 1977619315671665610
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,73acfeace8af0f63,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 03:18:27 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!cs.utexas.edu!tut.cis.ohio-state.edu!purdue!haven!decuac!shlump.nac.dec.com!ryn.esg.dec.com!ricks.enet.dec.com!reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: CQWW Poop From PJ
Message-ID: <3368@ryn.esg.dec.com>
Date: 4 Nov 90 22:03:21 GMT
Sender: guest@ryn.esg.dec.com
Organization: Digital Equipment Corporation - Hudson, MA
Lines: 32
Posted: Sun Nov 4 23:03:21 1990

[relayed from YCCC PacketCluster (tm)]

Msg #111 From: K2EK Date: 4-Nov 1610Z Subj: CQWW Poop From PJ

After all the dust settled in PJ:

PJ9W				PJ1B		
160	354	43	14	571	49	19
	1311	92	22	1469	99	24
	2319	130	31	2166	118	31
	5440	165	37	5180	180	38
	5750	165	38	5900	180	38
10	5400	155	38	5819	180	39
	20574	750	180	21105	806	189

Both duped. PJ9W 40M country count expected to drop to abt 125 (per OH2BAD).
PJ1B had 13 ops (3 for YCCC) - 65 ops at PJ9W.
Typical PJ1B ant was stacked C-C Skywalker. PJ9W had B I G antennas.
Like 3 el yagi on 75, stacked full size on 40, 4X 5el colinear stack on 15.

de Bill, K2EK

=-=

"The opinions expressed here in no way represent the views of Digital
 Equipment Corporation."

James J. Reisert   Internet: reisert@ricks.enet.dec.com
Digital Equipment Corp.   UUCP: ...decwrl!ricks.enet!reisert

77 Reed Road
Hudson, MA 01749-2895

From -2728953841307051536
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,caa7b09a232bb19
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 05:03:15 PST
Path: gmdzi!unido!mcsun!uunet!midway!linac!pacific.mps.ohio-state.edu!
tut.cis.ohio-state.edu!ukma!andreap
From: andreap@ms.uky.edu (Peach)
Newsgroups: rec.ham-radio
Subject: Re: Hams and Public service/mods to HTs etc.
Message-ID: <andreap.657810195@s.ms.uky.edu>
Date: 5 Nov 90 13:03:15 GMT
References: <691@npdiss1.StPaul.NCR.COM>
Organization: U of Ky, Math. Sciences, Lexington KY
Lines: 11
Posted: Mon Nov 5 14:03:15 1990

chuck@npdiss1.StPaul.NCR.COM (Charles Rissmeyer) writes:

>If I modified my IC-745 to transmit on 11 meters (CB band) and kept
>the power down to 4 watts out, could I legally use it to transmit on
>that band?

>I don't ever intend on doing this, but I was just curious.

No. Citizen's Band (Children's Band) radios must be type accepted
just like Business Band radios. While ham radios probably exceed
the requirements, they are generally not type accepted.

From 1015840789507948707
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3328cb8f55165106
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 05:08:15 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!maverick.ksu.ksu.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters
Message-ID: <1990Nov5.130815.24804@ux1.cso.uiuc.edu>
Date: 5 Nov 90 13:08:15 GMT
References: <1488@ke4zv.UUCP> <1990Oct31.201511.21053@ux1.cso.uiuc.edu>
<1497@ke4zv.UUCP> <5326@qip.UUCP>
Organization: University of Illinois at Urbana
Lines: 21
Posted: Mon Nov 5 14:08:15 1990

john@qip.UUCP (John Moore) writes:

>There is a very practical way to control patch access, and it has the advantage
>of being legal and required at all times except for emergency traffic:
>control operators.

>I am curious how many patches there are in the land with full time control
>operators, as required by regulation. I suspect that very few autopatches
>actually have control operators [and, that includes remote means that
>the user himself could employ to be the control operator - on a different
>frequency than the repeater itself].

If the patch is part of the repeater itself, the FCC rules allow it to
be under the same automatic control as the repeater itself.

If the patch is not part of a repeater, and is under remote control, then
the controlling link must be not just on another frequency, but must be
on an AUXILIARY frequency. And you all know what those are.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -590835241971693274
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a1562a1de5ed950,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 05:36:04 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!cs.umn.edu!uc!tut.cis.ohio-state.edu!ucbvax!
PUCC.PRINCETON.EDU!MEHARP01%ULKYVM
From: MEHARP01%ULKYVM@PUCC.PRINCETON.EDU (Michael Harpe)
Newsgroups: rec.ham-radio
Subject: Congrats on the Court Order!
Message-ID: <9011051335.AA07556@ucsd.edu>
Date: 5 Nov 90 13:36:04 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: University of Louisville
Lines: 18
Posted: Mon Nov 5 14:36:04 1990

Congrats to the gentleman on his favorable ruling. I read the opinion
and it looks like the plaintiff presented a masterful case. I was also
under the impression that the city probably should get a new lawyer :-).
He blew some basic legal questions in a big way. I'm not even a lawyer
(although I read a lot of legal stuff, it's interesting) and I
understood a lot of why the hams are winning this one.

PRB-1 seems to be holding up well. Keep up the good fight!

DE N4PLE
```
---------------------------------------------------------------------
Michael Harpe, N4PLE                   | BITNET: MEHARP01@ULKYVM
106B Ormsby Building                   | VOICE:  502-588-7785
University of Louisville               | FAX:    502-588-5048
```

Louisville, KY 40292 | AURAL: "Mike!"

"Sir, there is a large multi-legged creature crawling on your shoulder"
                                                   - Spock

From 5005466558425425251
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e1b8900a9e90617,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 05:45:48 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!es.UUCP!
Warren_Tuiskula
From: Warren_Tuiskula@es.UUCP
Newsgroups: rec.ham-radio
Subject: Foreign Phrase Book for Hams?
Message-ID: <9011050845.C70C0D01EDBF@es.office>
Date: 5 Nov 90 13:45:48 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Mon Nov 5 14:45:48 1990

Does anyone have information on where I can obtain a copy of the foreign language phrase book for hams that was written by a Finnish amateur? This book was advertised in QST within the past couple of years. It contains phrases commonly used in QSOs in a number of languages - English, French, German, Finnish, Swedish, etc.

Either new or used is acceptable.

73,
Warren KA1JL
warren_tuiskula@stratus.com

From 7305706528448l8392
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,caa7b09a232bb19
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,cc868cf1173b9587,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,cc868cf1173b9587,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,cc868cf1173b9587,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-11-05 06:07:28 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!
ux1.cso.uiuc.edu!news.cs.indiana.edu!iuvax!news!cartan!ndmath!nstar!w8grt!
Jim.Grubs,.W8GRT
From: Jim.Grubs,.W8GRT@w8grt.fidonet.org (Jim Grubs, W8GRT)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-

radio
Subject: Re: Hams and Public service/mods to HTs etc.
Message-ID: <306.27359C32@w8grt.fidonet.org>
Date: 5 Nov 90 14:07:28 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 17
Xref: gmdzi rec.radio.shortwave:2631 rec.ham-radio.swap:752 rec.ham-radio.packet:3005 rec.ham-radio:16575
Posted: Mon Nov 5 15:07:28 1990

> From: chuck@npdiss1.StPaul.NCR.COM (Charles Rissmeyer)
> Date: 4 Nov 90 03:38:14 GMT
> Organization: StPaul
> Message-ID: <691@npdiss1.StPaul.NCR.COM>
> Newsgroups: rec.ham-radio
>
> If I modified my IC-745 to transmit on 11 meters (CB band) and kept
> the power down to 4 watts out, could I legally use it to transmit on
> that band?

If you take it to the FCC lab and get it type accepted, yes.

--
Jim Grubs, W8GRT - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!Jim.Grubs,.W8GRT
INTERNET: Jim.Grubs,.W8GRT@w8grt.fidonet.org

From -3931385762212161484
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 06:10:42 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!wuarchive!emory!rsiatl!kd4nc!vdbsan!brian
From: brian@vdbsan.UUCP (Brian Bainter)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <120@vdbsan.UUCP>
Date: 5 Nov 90 14:10:42 GMT
References: <288.2730D16E@w8grt.fidonet.org>
Organization: BellSouth Advanced Networks, Atlanta, GA.
Lines: 21
Posted: Mon Nov 5 15:10:42 1990

jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

> > Personnaly, I think that all the excitement about no-code solving HAM
> > radio's
> > problems may be somewhat unfounded. No matter how good of an idea I
> > might

> > think it is.

>Several of the top European minds active in packet radio development entered
>via their homelands' versions of no-code. I would name names, but I don't
>remember them. Someone else will no doubt jump in here and fill the gap.

This still does not answer my question. Yes, there are great minds that have entered the hobby through a no-code license, but what does that have to do with the goal of an increase in ham participation? This also does not say anything about what percentage of these people would have not joined the hobby if there were not a no-code license.

This still says nothing about the "market survey" I mentioned in my original posting.

From 3310774936199135686
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 06:18:51 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!wuarchive!emory!rsiatl!kd4nc!vdbsan!brian
From: brian@vdbsan.UUCP (Brian Bainter)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <121@vdbsan.UUCP>
Date: 5 Nov 90 14:18:51 GMT
References: <288.2730D16E@w8grt.fidonet.org>
Organization: BellSouth Advanced Networks, Atlanta, GA.
Lines: 21
Posted: Mon Nov 5 15:18:51 1990

jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

> > Personnaly, I think that all the excitement about no-code solving HAM
> > radio's
> > problems may be somewhat unfounded. No matter how good of an idea I
> > might
> > think it is.

>Several of the top European minds active in packet radio development entered
>via their homelands' versions of no-code. I would name names, but I don't
>remember them. Someone else will no doubt jump in here and fill the gap.

This still does not answer my question. Yes, there are great minds that have entered the hobby through a no-code license, but what does that have to do with the goal of an increase in ham participation? This also does not say anything about what percentage of these people would have not joined the hobby if there were not a no-code license.

This still says nothing about the "market survey" I mentioned in my original posting.

From 6540609429557342470
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,66a8a84e89a1d721,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 06:30:25 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: DAB and all that ...
Message-ID: <9011051430.AA19141@cmr.ncsl.nist.gov>
Date: 5 Nov 90 14:30:25 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 14
Posted: Mon Nov 5 15:30:25 1990

I think that most of the proposed DAB (digital audio broadcasting) schemes being proposed envision something like a dozen "stations" sharing a single transmitter. Time-division multiplexing is proposed, and a bit of fancy compression is claimed. I suppose that the substantial number of "stations" puts statistics on your side in the matter of bit rate MOST of the time.

Phil Howard complains about the 44 kHz sampling rate of CDs. Phil, do you ever listen to National Public Radio or ABC radio, etc. They sample at 32 kHz, and compress each 1-millisecond block to 11 or 12 bits. Do you hear artivacts from this?

(artifacts..)
73, Bob W3OTC

From -5473687751129679951
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c9a25cee7f1493db
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 06:34:06 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!ub!rutgers!mcnc!rti!dg-rtp!dg-rtp.dg.com!harrism
From: harrism@dg-rtp.dg.com (Mike Harris)
Newsgroups: rec.ham-radio
Subject: Re: Antennas in trees
Message-ID: <1990Nov5.143406.13624@dg-rtp.dg.com>
Date: 5 Nov 90 14:34:06 GMT
References: <1990Nov1.130306.7640@dg-rtp.dg.com> <485@ssc.UUCP>
Sender: usenet@dg-rtp.dg.com (Usenet Administration)
Reply-To: harrism@dg-rtp.dg.com
Organization: Data General Corp., Research Triangle Park, NC
Lines: 29

Posted: Mon Nov 5 15:34:06 1990

In article <485@ssc.UUCP>, tad@ssc.UUCP (Tad Cook) writes:
|> In article <1990Nov1.130306.7640@dg-rtp.dg.com>,
harrism@dg-rtp.dg.com (Mike Harris) writes:
|> >
|> >   For you tree climbers out there I found a webbing version
|> > of a tree climber in one of my hunting catalogs. It has a webbing
|> > harness and a webbing climbing loop.
|>
|> What is this? Something you sit in while hauling yourself up over
|> a branch with a rope?

It's a cinch loop that goes around the trunk of the tree. You push it
up, pull to cinch it (pulling/helping yourself up), cinch with your
legs
around the trunk, push the cinch loop up......It's really a safety
climbing aid - it does entail some physical effort - more than a
climbing
tree stand, but then it doesn't tear up you trees either.
|>
|> Please tell us more!

I've posted more info although the "subject" may not exactly match this
one...
--

Mike Harris - KM4UL   harrism@dg-rtp.dg.com
Data General Corporation
{world}!mcnc!rti!dg-rtp!harrism
Research Triangle Park, NC

From -5928557725690144871
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c2959462b699f25c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 07:02:56 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!assari.tut.fi!news
From: as106330@alva.tut.fi (Saastamoinen Ari juhani)
Newsgroups: rec.ham-radio
Subject: IC-726 mods ?
Message-ID: <1990Nov5.150256.29237@assari.tut.fi>
Date: 5 Nov 90 15:02:56 GMT
Sender: news@assari.tut.fi (USENET News System)
Organization: Tampere University of Technology
Lines: 12
Posted: Mon Nov 5 16:02:56 1990

HELLO !!!

A friend of mine needs some information about IC-726. Please mail me your modifigations or undocumented functions !

73 de ...

```
--------------------------- Ari Saastamoinen ----------------------------
E-mail      : as106330@alva.tut.fi        Paper mail: Perki|nkatu 65 As 5
Phone       : +358-31-652643                          33900 Tampere
Packet-radio: OH3MQU@OH3TR.TRE.FIN.EU                 Finland
--------------------------------------------------------------------------
```

```
From 2284917323972099294
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2727a9d062ad7fe3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 07:08:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!usc!ucsd!ucbvax!
BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9011051508.AA28302@blackbird.afit.af.mil>
Date: 5 Nov 90 15:08:53 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 480
Posted: Mon Nov  5 16:08:53 1990
```

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #766 -
Alouette 1
1 00424U 62B-A  1 90297.12181902  .00000242  00000-0  28031-3 0  3451
2 00424  80.4648 158.9603 0023114 303.7491  56.1455 13.67405298400311
ATS 3
1 03029U 67111  A 90301.24731568 -.00000075  00000-0  99999-4 0  4378
2 03029  13.3732  20.0728 0017377 214.6548 145.2266  1.00272685 84121
Cosmos 398
1 04966U 71 16  A 90302.38807290  .00088193  18201-4  45632-3 0  1643
2 04966  51.5102 256.9556 2187751  44.2475 331.3813 11.24458990606665
Starlette
1 07646U 75010  A 90294.67499762 -.00000041  00000-0  15309-4 0  1024
2 07646  49.8262  19.3750 0206152 248.8600 109.0149 13.82143071793277
LAGEOS
1 08820U 76039  A 90294.16463833  .00000004  00000-0  00000 0 0  1110
2 08820 109.8644  38.2724 0044704 211.4737 148.3245  6.38664751 81981
GPS-0001
```

```
1 10684U 78020  A 90299.57011571  .00000006  00000-0  99999-4 0  5195
2 10684  63.7860  85.5069 0123003 197.7312 161.8416  2.00555451 78484
GPS-0002
1 10893U 78 47  A 90300.55350453 -.00000023  00000-0  00000 0 0  2470
2 10893  64.3232 326.3272 0165155  24.4847 336.3473  2.00540151 91322
GOES 3
1 10953U 78062  A 90302.56207384  .00000114  00000-0  99999-4 0  9681
2 10953   7.2726  64.6884 0051781  56.8343 305.1359  1.00265234  6040
SeaSat 1
1 10967U 78064  A 90299.99952699  .00001708  00000-0  63037-3 0  3953
2 10967 108.0167 232.2485 0001940 329.3812  30.7252 14.35962201645373
GPS-0003
1 11054U 78093  A 90300.32434339 -.00000023  00000-0  00000 0 0  2696
2 11054  63.8458 322.5480 0060521 120.2052 240.4544  2.00569231 88330
Nimbus 7
1 11080U 78098  A 90297.26211159  .00000140  00000-0  15666-3 0  6984
2 11080  99.1827 199.1728 0009678  96.5384 263.6876 13.83468700605885
GPS-0004
1 11141U 78112  A 90305.41930559  .00000006  00000-0  00000 0 0    97
2 11141  63.7754  85.1856 0058917 314.2771  45.2269  2.00551754 87136
GPS-0005
1 11690U 80 11  A 90301.07254140  .00000007  00000-0  00000 0 0   204
2 11690  64.2518  87.4965 0119483 202.0001 157.4792  2.00554433 92906
GPS-0006
1 11783U 80 32  A 90299.38306659 -.00000023  00000-0  99999-4 0  2204
2 11783  63.6493 322.1067 0150984  59.9037 301.6406  2.00560666 76952
GOES 5
1 12472U 81049  A 90298.42405672 -.00000003  00000-0  99999-4 0  9887
2 12472   3.7830  73.7825 0000304 147.9392 212.4895  1.00204313 33532
SME
1 12887U 81100  A 90301.60783567  .00076389  00000-0  78749-3 0  8799
2 12887  97.6150 358.1570 0001717 212.0432 148.0722 15.64577681502028
Salyut 7
1 13138U          90305.44230703  .00170342  00000-0  87424-3 0  5818
2 13138  51.6001 322.5488 0003505  41.0219 319.0940 15.80205637486420
Cosmos 1383
1 13301U 82 66  A 90305.18405170  .00000132  00000-0  14297-3 0  6059
2 13301  82.9327 200.3619 0027655 140.4182 219.8991 13.67857717416403
LandSat 4
1 13367U 82 72  A 90305.19087294  .00000904  00000-0  21051-3 0  5065
2 13367  98.1478   4.9111 0004557  70.7274 289.4415 14.57139253441252
IRAS
1 13777U 83  4  A 90301.39294146  .00000149  00000-0  12756-3 0  8213
2 13777  99.0158 136.0968 0012684  25.3206 334.8583 13.98830801 65568
Cosmos 1447
1 13916U 83 21  A 90303.05457697  .00000154  00000-0  15111-3 0  7453
2 13916  82.9423 272.3464 0039086 122.0581 238.4380 13.74072627381192
TDRS 1
1 13969U 83 26  B 90301.55221759  .00000128  00000-0  99999-4 0  1178
2 13969   4.7936  64.5637 0003219 161.4260 198.6086  1.00274966   682
GOES 6
1 14050U 83 41  A 90299.49200414  .00000113  00000-0  99999-4 0  2671
2 14050   2.5585  76.5834 0001401  78.9556 281.0647  1.00285157  1464
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1 14129U 83 58  B 90294.89238027 -.00000024  00000-0  00000 0 0  5558
2 14129  26.0696 178.8613 5956963 186.0050 160.8592  2.05880717 27340
GPS-0008
1 14189U 83 72  A 90301.80931747  .00000005  00000-0  99999-4 0  8471
2 14189  63.4285  83.6762 0145145 221.5987 136.4851  2.00568409 53447
LandSat 5
1 14780U 84 21  A 90305.15161451  .00000875  00000-0  20426-3 0  3683
2 14780  98.1899   3.0668 0002289 128.0547 232.0872 14.57136126354661
UoSat 2
1 14781U 84 21  B 90300.05789584  .00002149  00000-0  40198-3 0  8039
2 14781  97.9361 348.2237 0012138 185.7317 174.3753 14.65818495355288
GPS-0009
1 15039U 84 59  A 90300.98480022  .00000004  00000-0  00000 0 0   690
2 15039  63.1788  82.8627 0023753 223.4401 136.3781  2.00567796 46700
Cosmos 1574
1 15055U 84 62  A 90302.54903076  .00000121  00000-0  11781-3 0  9629
2 15055  82.9559 323.2671 0026516 312.2088  47.6820 13.73386402318516
GPS-0010
1 15271U 84 97  A 90300.42785139 -.00000023  00000-0  00000 0 0  9114
2 15271  63.1496 321.5667 0108641 328.1464  31.2553  2.00560843 43807
Cosmos 1602
1 15331U 84105  A 90297.88944337  .00003003  00000-0  40509-3 0  3737
2 15331  82.5304 240.6300 0020941 269.2271  90.6572 14.78726370327250
NOAA 9
1 15427U 84123  A 90305.24669977  .00000465  00000-0  27167-3 0  6352
2 15427  99.1739 308.3138 0015028 348.5318  11.5506 14.12716779303338
Cosmos 1686
1 16095U 85 86  A 90299.62218985  .00083057  00000-0  45427-3 0  7916
2 16095  51.6013 352.7088 0002639  29.8397 330.3274 15.79124527485507
GPS-0011
1 16129U 85 93  A 90300.64687096  .00000005  00000-0  00000 0 0  5947
2 16129  63.9499  83.9640 0124810 148.3764 212.3824  2.00564426 37012
Mir
1 16609U          90305.41092217  .00090652  00000-0  11135-2 0   216
2 16609  51.6104 359.2234 0031298 204.4371 155.4509 15.58930119269539
SPOT 1
1 16613U 86 19  A 90301.66668960  .00000615  00000-0  30647-3 0  1370
2 16613  98.7221  14.3000 0001340 133.0556 227.0692 14.20049771 82875
Cosmos 1766
1 16881U 86 55  A 90301.04460595  .00003819  00000-0  52156-3 0  1797
2 16881  82.5190 296.6175 0019587 275.1569  84.7377 14.78275159228773
EGP
1 16908U 86 61  A 90294.01418785  .00000006  00000-0  34794-3 0  2521
2 16908  50.0106 229.1706 0010974 152.3929 207.7555 12.44390259190524
NOAA 10
1 16969U 86 73  A 90294.56796487  .00000630  00000-0  29201-3 0  4790
2 16969  98.5870 319.6404 0012480 260.8550  99.1217 14.23770079212596
MOS-1
1 17527U 87 18  A 90295.60716395  .00000163  00000-0  14684-3 0  6722
2 17527  99.0995   6.4574 0001177 113.8614 246.6237 13.94882190187024
GOES 7
1 17561U 87 22  A 90298.18188412 -.00000093  00000-0  99999-4 0  6124
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2 17561   0.0737  42.1332 0075431  72.4331 246.3318  1.00205740  6871
Kvant-1
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2 17845  51.6217  27.8870 0030527 191.2843 167.6492 15.58655252203370
DMSP B5D2-3
1 18123U 87 53  A 90305.17700846  .00000001  00000-0  99999-5 0  7469
2 18123  98.8114 133.9464 0014515 357.2340   2.8751 14.14201166173761
RS-10/11
1 18129U          90304.89535833  .00000110  00000-0  11037-3 0  3699
2 18129  82.9266 227.5101 0013298  99.1789 261.0907 13.72120714168198
Meteor 2-16
1 18312U 87 68  A 90304.05704665  .00000220  00000-0  18868-3 0  5087
2 18312  82.5591 182.6082 0010894 231.6605 128.3587 13.83695974161770
Meteor 2-17
1 18820U 88  5  A 90304.07559145  .00000251  00000-0  21465-3 0  3726
2 18820  82.5410 242.4195 0015928 308.3937  51.5771 13.84384660138984
DMSP B5D2-4
1 18822U 88  6  A 90305.24450739  .00000493  00000-0  24220-3 0  6721
2 18822  98.6223 181.2994 0005798 230.6662 129.4002 14.21615372142299
Glonass 34
1 19163U 88 43  A 90305.17012766  .00000020  00000-0  99999-4 0   262
2 19163  64.9155 154.5318 0007220 182.4923 177.6098  2.13102506 19063
Glonass 36
1 19165U 88 43  C 90301.94235144  .00000020  00000-0  99999-4 0   228
2 19165  64.9012 154.6391 0003595 346.4420  13.6378  2.13102761 18998
AO-13
1 19216U 88 51  B 90285.55558503 -.00000132  00000-0  99999-4 0  1506
2 19216  56.9677 131.3556 7041877 237.6838  35.4920  2.09702865 17860
OKEAN 1
1 19274U 88 56  A 90304.95368495  .00002271  00000-0  31348-3 0  9719
2 19274  82.5179  31.6785 0022901  39.6550 320.6370 14.77606562125114
Meteor 3-2
1 19336U 88 64  A 90302.66797959  .00000074  00000-0  17510-3 0  6029
2 19336  82.5473 182.2897 0017712 341.6316  18.4145 13.16904365108653
Glonass 39
1 19503U 88 85  C 90302.43112155 -.00000016  00000-0  99999-4 0  9068
2 19503  65.3745  34.0993 0006992 187.7277 172.2796  2.13103442 16497
NOAA 11
1 19531U 88 89  A 90304.24980887  .00000646  00000-0  37486-3 0  3614
2 19531  98.9988 252.8104 0011118 261.4129  98.5783 14.11777244108165
TDRS 2
1 19548U 88 91  B 90293.40456092  .00000114  00000-0  99999-4 0  1577
2 19548   0.4230  82.4081 0002990 141.3999 135.9901  1.00275590  1511
Glonass 40
1 19749U 89  1  A 90302.00294576  .00000020  00000-0  99999-4 0  7433
2 19749  64.8548 154.3077 0005098 274.0940  85.9377  2.13102182 14017
Glonass 41
1 19750U 89  1  B 90302.53043938  .00000020  00000-0  99999-4 0  7505
2 19750  64.8757 154.3092 0005140 247.2555 112.7816  2.13102322 14024
GPS BII-01
1 19802U 89 13  A 90233.24152199  .00000016  00000-0  99999-4 0  1540
2 19802  55.0484 194.8560 0052488 166.0565 194.0528  2.00648564 11058
Akebono
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1 19822U 89 16  A 90300.99230641  .00032376  00000-0  21120-2 0  7933
2 19822  75.0887 173.4978 4144432 136.7563 264.5225  7.17179431  9310
Meteor 2-18
1 19851U 89 18  A 90304.01059691  .00000191  00000-0  16196-3 0  3426
2 19851  82.5128 120.2515 0015225 349.4569  10.6247 13.84022103 84357
MOP-1
1 19876U 89 20  B 90295.91648703  .00000016  00000-0  99999-4 0  1463
2 19876   0.0271 261.3235 0003245 326.8143 131.8278  1.00271762  1946
TDRS 3
1 19883U 89 21  B 90285.05717295 -.00000236  00000-0  99999-4 0  1576
2 19883   0.4476  83.4923 0002993 155.4629 121.0385  1.00265607 76062
GPS BII-02
1 20061U 89 44  A 90294.36031910 -.00000033  00000-0  99999-4 0  1562
2 20061  54.8191  10.6946 0091283 178.5190 181.6270  2.00481862 10028
Nadezhda 1
1 20103U 89 50  A 90302.71142275  .00000146  00000-0  14367-3 0  2214
2 20103  82.9610 185.8307 0039326  24.0645 336.2329 13.73621889 66187
GPS BII-03
1 20185U 89 64  A 90259.31961858  .00000016  00000-0  99999-4 0  1458
2 20185  54.9361 194.7111 0023376 150.4514 209.6604  2.00581297  7896
GPS BII-04
1 20302U 89 85  A 90283.19625304 -.00000044  00000-0 -58444 2 0  1425
2 20302  54.5568 312.3734 0033368 315.2506  44.5297  2.00366014  7178
Meteor 3-3
1 20305U 89 86  A 90303.02972645  .00000017  00000-0  32138-4 0  2320
2 20305  82.5545 122.9218 0016914 355.5156   4.5784 13.15865809 48687
COBE
1 20322U 89 89  A 90301.58368102  .00000489  00000-0  33835-3 0  1841
2 20322  99.0229 310.5732 0008203   4.0900 356.0297 14.02909630 48197
Kvant-2
1 20335U 89 93  A 90299.70491279  .00086712  00000-0  10779-2 0  4221
2 20335  51.6149  27.8799 0032720 185.7276 173.9723 15.58580675 52305
GPS BII-05
1 20361U 89 97  A 90290.77394681  .00000014  00000-0  99999-4 0   928
2 20361  54.9776 135.4633 0063087  56.8263 303.8533  2.00587873  6181
SPOT 2
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2 20436  98.7220  14.4003 0000773  68.0033 292.1221 14.20045468 39694
UO-14
1 20437U 90  5  B 90297.24882574  .00000676  00000-0  28451-3 0  2183
2 20437  98.6913  12.9248 0010938 133.4532 226.7591 14.28762279 39295
UO-15
1 20438U 90  5  C 90293.23483277  .00000504  00000-0  21707-3 0  1283
2 20438  98.6928   8.8830 0010485 145.0366 215.1506 14.28459268 38719
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2 20439  98.6956  15.9487 0012203 126.6935 233.5370 14.28867909 39703
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1 20440U 90  5  E 90298.76145340  .00000792  00000-0  32922-3 0  1308
2 20440  98.6957  14.6346 0012415 130.7574 229.4687 14.28921033 39519
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1 20441U 90  5  F 90302.24311740  .00000676  00000-0  28310-3 0  1225
2 20441  98.6955  18.1391 0013083 121.4037 238.8417 14.29009850 40017
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1 20442U 90  5  G 90297.11848910  .00000788  00000-0  32645-3 0  1252
2 20442  98.6941  13.0586 0013215 135.5831 224.6414 14.29074150 39280
GPS BII-06
1 20452U 90  8  A 90231.96552739  .00000002  00000-0  99999-4 0   858
2 20452  54.5203 253.3822 0028572  40.8909 319.3724  2.00872044  4126
MOS-1B
1 20478U 90 13  A 90300.15646542 -.00004298  00000-0 -31944-2 0  4161
2 20478  99.1760   9.7395 0000956  75.3399 284.6951 13.94821750 36536
DEBUT
1 20479U 90 13  B 90296.97420790  .00000028  00000-0  11145-3 0  1132
2 20479  99.0260 319.1041 0541460 116.7580 248.9967 12.83162934 33265
FO-20
1 20480U 90 13  C 90296.97855528  .00000077  00000-0  22052-3 0  1082
2 20480  99.0259 319.1034 0541648 116.8206 248.9305 12.83151877 33261
MOS-1B R/B
1 20491U 90 13  D 90302.07190823  .00000777  00000-0  15086-2 0  1291
2 20491  99.0276 330.6612 0471620  77.5978 287.7500 13.02766690 33831
LACE
1 20496U 90 15  A 90303.35144243  .00006907  00000-0  40218-3 0  2833
2 20496  43.0956 299.2680 0014740 117.7380 242.4861 15.12431518 39054
RME
1 20497U 90 15  B 90300.23521244  .00018635  00000-0  46825-3 0  2974
2 20497  43.0860 261.4644 0016043 127.4415 232.7861 15.39527161 39168
Nadezhda 2
1 20508U 90 17  A 90304.99148197  .00000128  00000-0  12592-3 0  1957
2 20508  82.9529 319.0427 0044033 327.5823  32.2646 13.73243031 33783
OKEAN 2
1 20510U 90 18  A 90305.03829075  .00001455  00000-0  21920-3 0  3049
2 20510  82.5258 331.6549 0019588 185.1632 174.9392 14.73695822 36223
INTELSAT-6
1 20523U 90 21  A 90301.78522942  .00004891  00000-0  33896-3 0  3455
2 20523  28.3414 107.9415 0015577 175.5726 184.5059 15.03219289 34561
GPS BII-07
1 20533U 90 25  A 90294.05687607 -.00000033  00000-0  00000 0 0   630
2 20533  55.1450  10.8449 0034235 102.6965 257.7562  2.00556242  4124
PegSat
1 20546U 90 28  A 90303.12332836  .00007757  00000-0  46146-3 0  2699
2 20546  94.1224 286.8591 0143995 205.0604 154.3337 15.02918061 30336
HST
1 20580U          90304.54898556  .00002596  00000-0  27862-3 0  2589
2 20580  28.4708 101.5638 0005946  99.1349 260.9847 14.85389768 28262
Glonass 44
1 20619U 90 45  A 90301.90408781 -.00000017  00000-0  99999-4 0  1974
2 20619  64.9629  34.3767 0024053 212.4081 147.4715  2.13103227  3472
Glonass 45
1 20620U 90 45  B 90302.49119444 -.00000017  00000-0  99999-4 0  1998
2 20620  64.9567  34.3564 0006211  43.5694 316.5093  2.13103398  3498
Glonass 46
1 20621U 90 45  C 90302.54972875 -.00000016  00000-0  99999-4 0  1809
2 20621  64.9768  34.3636 0014391 202.2187 157.7512  2.13103113  3497
Kristall
1 20635U 90 48  A 90299.76901301  .00136007  00000-0  16825-2 0  1974
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2 20635  51.6116  27.5688 0030923 180.4658 179.0730 15.58568657 23191
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2 20638  52.9929 175.7101 0015986  28.9525 331.2328 14.98663277 22367
Meteor 2-19
1 20670U 90 57  A 90304.00908347  .00000279  00000-0  24235-3 0   676
2 20670  82.5508 180.8611 0014671 269.6262  90.3207 13.83873903 17309
BADR-1
1 20685U          90304.31209380  .00508495 -31600-4  54909-3 0  1283
2 20685  28.4883 302.4977 0305997 221.6974 136.0028 15.57142564 16324
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1 20712U          90302.15110775  .00001040  00000-0  12924-2 0   304
2 20712  18.2702   8.2174 7119088 272.1190  15.2396  2.43511794  2332
Soyuz TM-10
1 20722U 90 67  A 90299.76908353  .00052100  00000-0  65387-3 0  1010
2 20722  51.6104  27.5613 0032468 183.8231 176.1447 15.58554867 13496
GPS BII-08
1 20724U 90 68  A 90294.90287514  .00000016  00000-0  99999-4 0   210
2 20724  54.6613 191.1540 0095547 118.2276 242.8347  2.00563041  1585
Feng Yun 1B
1 20788U 90 81  A 90301.02307627  .00000381  00000-0  27956-3 0   358
2 20788  98.9325 334.4965 0011058 111.9211 248.3140 14.00558999  7704
Progress M5
1 20824U 90 85  A 90304.76985725  .00047910  00000-0  59634-3 0   502
2 20824  51.6107   2.4490 0030548 201.8761 157.9213 15.58883059  5366
Meteor 2-20
1 20826U 90 86  A 90304.06792294  .00000106  00000-0  90943-4 0   139
2 20826  82.5259 120.1108 0012664 157.3730 202.7990 13.83234206  4532
Cosmos 2101
1 20828U          90305.40297074  .00375689  87174-5  39373-3 0   731
2 20828  64.7620  95.6182 0063578 117.1078 243.6952 16.05762648  4989
GPS BII-09
1 20830U 90 88  A 90304.91253604  .00000014  00000-0  99999-4 0   146
2 20830  54.8955 133.1703 0078817 116.3747 244.5072  2.00565939   866
1990 088C
1 20832U 90 88  C 90299.66110655  .00185009  91474-5  24858-2 0   363
2 20832  37.7178 112.6973 6001409 222.3345  71.2027  4.13978395  1021
1978 100AX
1 20834U 78100 AX 90301.54364491  .00016340  00000-0  48047-2 0   251
2 20834  82.5508 137.0809 1168364  17.3905 346.3596 12.63600596 11421
1974 033F
1 20835U 74 33  F 90284.78060272 -.00000048  00000-0  99999-4 0    38
2 20835  11.3905  47.2293 0097477 120.0957 240.8207  0.98587518  3427
1974 060F
1 20836U 74 60  F 90300.75359434 -.00000200  00000-0  99999-4 0   182
2 20836  11.9426  39.5614 0025624 214.1829 145.6493  1.00184630  2375
1981 057F
1 20837U 81 57  F 90300.98258313  .00000047  00000-0  99999-4 0    83
2 20837   7.4260  66.0713 0129626 198.7258 161.6099  0.99374850   591
1990 090C
1 20843U 90 90  C 90300.54963518  .00003536  00000-0  26028-2 0    75
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1990 091A
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1 20872U 90 91  A 90301.16823629 -.00000112  00000-0  99999-4 0   162
2 20872   0.1356 277.4570 0015474  41.2827  41.1839  1.00267300   176
1990 091B
1 20873U 90 91  B 90301.15201296 -.00000148  00000-0  99999-4 0   149
2 20873   0.1093 286.2638 0000623  27.9291  45.8910  1.00274071   202
1990 091C
1 20874U 90 91  C 90301.58194128  .00007189  00000-0  43295-2 0   161
2 20874   7.3827 173.9805 7328764 190.8597 133.9317  2.20248775   340
1990 091D
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2 20875   6.9468 175.7090 7311729 187.8938 146.1222  2.25426913   271
1990 081AL
1 20876U          90298.56064561  .00002779  00000-0  16924-2 0    95
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1990 081AM
1 20877U 90081 AM 90297.58890963  .00004266  00000-0  26490-2 0    89
2 20877  98.9218 331.3959 0046386 109.2538 251.3648 14.04925259  2676
1990 081AN
1 20878U 90081 AN 90302.40050765  .00001401  00000-0  92342-3 0   107
2 20878  98.9234 336.0032 0043005 109.6971 250.8905 14.02622238  3343
1990 081AP
1 20879U 90081 AP 90291.05453430  .00002388  00000-0  21831-2 0    66
2 20879  98.9708 323.7796 0127781 200.7135 158.8811 13.80214554  1725
1990 081AQ
1 20880U 90081 AQ 90300.51293316  .00015701  00000-0  47011-2 0    99
2 20880  98.9334 335.2744 0158447  27.2637 333.6691 14.35867050  3159
1990 081AR
1 20881U 90081 AR 90300.55395643  .00001864  00000-0  11800-2 0    92
2 20881  98.9694 333.5918 0110050 118.9608 242.2637 14.02119815  3087
1990 081AS
1 20882U 90081 AS 90301.58947896  .00007682  00000-0  40993-2 0   112
2 20882  98.9362 335.4805 0053985  43.6724 316.8604 14.12733841  3255
1990 081AT
1 20883U 90081 AT 90299.10340745  .00002543  00000-0  16380-2 0    87
2 20883  98.9401 332.6042 0019537  94.9140 265.4292 14.03643909  2883
1990 081AU
1 20884U 90081 AU 90298.04692247  .00002928  00000-0  22653-2 0    73
2 20884  98.9223 331.4514 0044372 198.4444 161.5198 13.92844205  2711
1990 081AV
1 20885U 90081 AV 90299.57463103  .00000460  00000-0  41376-3 0    73
2 20885  98.9257 332.6861 0069149 211.9117 147.7843 13.86957404  2918
1990 081AW
1 20886U 90081 AW 90293.51114095  .00000680  00000-0  92538-3 0    75
2 20886  98.9961 324.9989 0257153 221.5455 136.5873 13.48930396  1986
1990 081AX
1 20887U 90081 AX 90291.01574718  .00002222  00000-0  13443-2 0    61
2 20887  98.9363 324.8080 0031662  91.9632 268.5176 14.07085523  1717
1990 081AY
1 20888U 90081 AY 90301.58113805  .00007397  00000-0  52931-2 0   122
2 20888  98.9225 334.1773 0323885 279.1875  77.2677 13.75171194  3175
1990 081AZ
1 20889U 90081 AZ 90301.60706241  .00001337  00000-0  11428-2 0    87
2 20889  98.9340 334.4856 0096449 250.8151 108.2525 13.86232616  3160
```

```
1990 081BA
1 20890U 90081 BA 90300.05442556  .00000325  00000-0  23551-3 0    79
2 20890  98.9284 333.6693 0015027 109.2153 251.0231 14.02060660  2977
1990 081BB
1 20891U 90081 BB 90293.53842554  .00000720  00000-0  86057-3 0    75
2 20891  99.0050 325.1147 0224926 206.1269 152.8381 13.59367565  2009
1990 081BC
1 20892U 90081 BC 90291.06253361  .00001956  00000-0  22055-2 0    62
2 20892  98.9596 323.5976 0188602 258.4757  99.5138 13.64156270  1637
1990 081BD
1 20893U 90081 BD 90301.53804841  .00005337  00000-0  34521-2 0    93
2 20893  98.9344 335.0129 0007123  63.9897 296.1951 14.03063696  3159
1990 081BE
1 20894U 90081 BE 90301.03717572  .00002117  00000-0  12757-2 0    82
2 20894  98.9375 334.6822 0027634  28.4661 331.7916 14.07406561  3066
1990 081BF
1 20895U 90081 BF 90301.56600340  .00004985  00000-0  28332-2 0    75
2 20895  98.9429 335.2294 0039512  41.7934 318.6184 14.09846552  3146
1990 081BG
1 20896U 90081 BG 90299.59115653  .00012559  00000-0  71966-2 0    92
2 20896  98.9337 333.3881 0033949  45.6176 314.7625 14.09187044  2853
1990 081BH
1 20897U 90081 BH 90301.57176457  .00023425  00000-0  62872-2 0   140
2 20897  98.9308 336.5799 0173388  31.5436 329.5707 14.39530695  3202
1990 081BJ
1 20898U 90081 BJ 90298.58664465  .00004834  00000-0  24752-2 0   102
2 20898  98.9267 332.6530 0072177   2.6491 357.5149 14.14537461  2730
1990 081BK
1 20899U 90081 BK 90293.53270423  .00004182  00000-0  29548-2 0    70
2 20899  98.9384 327.0323 0016520 244.7046 115.2404 13.98198972  1995
1990 081BL
1 20900U 90081 BL 90291.07316038  .00004508  00000-0  38323-2 0    65
2 20900  98.9024 324.8489 0089466 204.3480 155.3433 13.85857793  1637
1990 081BM
1 20901U 90081 BM 90302.00314037  .00005457  00000-0  26308-2 0    96
2 20901  98.9293 336.1244 0076584  11.3152 348.8748 14.17505713  3223
1990 081BN
1 20902U 90081 BN 90300.08456398  .00001457  00000-0  13370-2 0    80
2 20902  98.9488 332.6771 0092835 219.2713 140.1686 13.82163305  2877
1990 081BP
1 20903U 90081 BP 90299.63401198  .00001714  00000-0  88027-3 0    85
2 20903  98.9139 333.8761 0067104  43.5847 317.0576 14.15380682  2846
1990 081BQ
1 20904U 90081 BQ 90302.01781316  .00004106  00000-0  25897-2 0   113
2 20904  98.9352 335.5186 0043001 312.2013  47.5421 14.04157087  3153
1990 081BR
1 20905U 90081 BR 90300.53245404  .00006181  00000-0  39612-2 0   106
2 20905  98.9293 334.1193 0009806 352.9516   7.1482 14.03515314  3097
1990 081BS
1 20906U 90081 BS 90293.53525395  .00000329  00000-0  34018-3 0    78
2 20906  98.9503 326.3786 0108094 234.2078 124.8998 13.78756949  1502
1990 081BT
1 20907U 90081 BT 90300.63542060  .00004745  00000-0  29126-2 0    87
```

```
2 20907  98.9365 334.2077 0020407  46.4405 313.8341 14.05931374  2464
1990 081BU
1 20908U 90081 BU 90290.99535135  .00000328  00000-0  33816-3 0   108
2 20908  98.9466 323.9804 0107874 241.1292 117.9002 13.78756212  1216
1990 092A
1 20909U          90305.35754931  .01369842  41435-4  27049-3 0   422
2 20909  62.8455 197.7300 0054561  63.1179 297.4952 16.26541115  2515
1989 100U
1 20911U 89100  U 90303.12547388  .00553308  00000-0  10646-1 0   290
2 20911  73.5219 161.3295 0013772 183.9462 175.6753 15.45664363 46582
1990 081BV
1 20912U 90 81 BV 90301.55279044  .00002502  00000-0  15343-2 0   102
2 20912  98.9386 335.1151 0022409  36.3971 323.8662 14.06351248  1694
1990 081BW
1 20913U 90 81 BW 90298.59107304  .00001689  00000-0  11133-2 0   110
2 20913  98.9683 331.6076 0115390 129.7095 231.4315 13.99728766  1938
1990 081BX
1 20914U 90 81 BX 90302.07339659  .00009755  00000-0  17799-2 0   161
2 20914  98.9488 337.3322 0227804  22.2745 338.8007 14.50742426  2479
1990 081BY
1 20915U 90 81 BY 90298.19744785 -.00000862  00000-0 -51632-3 0    21
2 20915  98.9729 331.9941 0046182 173.8460 186.7058 14.05320996   647
1990 081BZ
1 20916U 90 81 BZ 90299.61779765  .00194663  00000-0  12354 0 0    87
2 20916  99.0066 333.5618 0063461 235.7912 123.0490 14.01108309   790
1990 093A
1 20918U 90 93  A 90303.80190235  .00000433  23058-4  99999-4 0    19
2 20918  23.5198 207.0326 7356004 172.1722 213.2827  2.23038754    06
```

```
--
Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology
```

```
From -6723237471034286659
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8484e08598c04bf2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 07:10:17 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!usc!ucsd!ucbvax!
BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletin Format
Message-ID: <9011051510.AA28371@blackbird.afit.af.mil>
Date: 5 Nov 90 15:10:17 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 69
Posted: Mon Nov  5 16:10:17 1990
```

As a service to the satellite user community, the following description of the NASA Prediction Bulletin's two-line orbital element set format is uploaded to sci.space on a monthly basis. The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

Data for each satellite consists of three lines in the following format:

```
AAAAAAAAAAA
1 NNNNNU NNNNNAAA NNNNN.NNNNNNNN +.NNNNNNNN +NNNNN-N +NNNNN-N N NNNNN
2 NNNNN NNN.NNNN NNN.NNNN NNNNNNN NNN.NNNN NNN.NNNN NN.NNNNNNNNNNNNN
```

Line 1 is a eleven-character name.

Lines 2 and 3 are the standard Two-Line Orbital Element Set Format identical to that used by NASA and NORAD. The format description is:

Line 2

Column	Description
01-01	Line Number of Element Data
03-07	Satellite Number
10-11	International Designator (Last two digits of launch year)
12-14	International Designator (Launch number of the year)
15-17	International Designator (Piece of launch)
19-20	Epoch Year (Last two digits of year)
21-32	Epoch (Julian Day and fractional portion of the day)
34-43	First Time Derivative of the Mean Motion or Ballistic Coefficient (Depending on ephemeris type)
45-52	Second Time Derivative of Mean Motion (decimal point assumed; blank if N/A)
54-61	BSTAR drag term if GP4 general perturbation theory was used. Otherwise, radiation pressure coefficient. (Decimal point assumed)
63-63	Ephemeris type
65-68	Element number
69-69	Check Sum (Modulo 10) (Letters, blanks, periods = 0; minus sign = 1; plus sign = 2)

Line 3

Column	Description
01-01	Line Number of Element Data
03-07	Satellite Number
09-16	Inclination [Degrees]
18-25	Right Ascension of the Ascending Node [Degrees]
27-33	Eccentricity (decimal point assumed)
35-42	Argument of Perigee [Degrees]
44-51	Mean Anomaly [Degrees]
53-63	Mean Motion [Revs per day]
64-68	Revolution number at epoch [Revs]
69-69	Check Sum (Modulo 10)

All other columns are blank or fixed.

```
Example:

NOAA 6
1 11416U          86 50.28438588 0.00000140           67960-4 0  5293
2 11416  98.5105  69.3305 0012788  63.2828 296.9658 14.24899292346978

Note that the International Designator fields are usually blank, as issued in
the NASA Prediction Bulletins.

--
Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology


From -3669742917751716120
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3328cb8f55165106
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 07:29:38 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpcc05!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters
Message-ID: <27080021@col.hp.com>
Date: 5 Nov 90 15:29:38 GMT
References: <LURU.90Oct27221929@stekt.oulu.fi>
Organization: HP Colorado Springs Division
Lines: 57
Posted: Mon Nov  5 16:29:38 1990

>luru@stekt.oulu.fi (Ari Husa OH8NUP) writes:
>I am not all that familiar with the repeater system (frequency
>allocations, ownership, etc.) in the U. S.
>
>I am especially puzzled with the concept of "open" and "closed"
>repeaters and how the latter fits in the picture of amateur radio. Can
>someone please clarify this terminology for me?
  Open means all users are welcome. Closed means 'members only'
  in the case of a club supported machine and 'me and my friends
  only' in the case of a machine owned by an individual.

  Access to closed repeaters is often limited via the use of
  CTCSS (PL) tones and sometimes other signalling systems.
  Because of this, CTCSS gets confused with the notion of
  a closed machine. Many open repeaters use CTCSS to reduce
  interference.
  >
>As far as I understand it, there are a multitude of "private"
>repeaters. What's the point in having a dozen repeaters in a
>questionable QTH (and limited range) in comparison to ONE good
>repeater in a high (broadcast) tower or similar? Or ARE they actually
```

```
>all that good?
 Capacity. A dozen repeaters with more local coverage may
 support a dozen short range QSOs while the one wide coverage
 repeater would occupy the frequency in the entire geographical
 area while carrying only 1 QSO. Obviously, the number of
 radio amateurs on the air in a particular geographical area
 comes into play here.

 Many areas of US now recognize the need for a mixture of local
 repeaters and wide area repeaters. Users are encouraged to
 use the local machines unless they really need the range
 of the wide area machine.

>
>What would you say is an average working range of a typical repeater
>in Ohio, or any other place with flat terrain?
 It's been a while since I lived in the flatlands, but I would guess
 about 30 miles radius.
 >
>In here, ALL repeaters are club-owned and completely unrestricted for
>any user. There are currently seven (7) allocated repeater channels on
>2 meters (145.600 - 145.775, 25 MHz raster) and they seem to be
>enough.
>
>Am I missing something here?
 Maybe a larger population of amateur radio operators?



--------------------------------------------------------------------
Bob Witte              HP Colorado Springs Division
bobw@col.hp.com        P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO  80901
Radio: KB0CY
"There is no such thing as ground."
--------------------------------------------------------------------


From -4724590053336283517
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d45622fd5b9e7fe8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,d45622fd5b9e7fe8
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-11-05 07:53:42 PST
Path: gmdzi!unido!mcsun!uunet!omen!caf
From: caf@omen.UUCP (Chuck Forsberg WA7KGX)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Digital Audio Broadcasting or DAB.
Keywords: digital autio broadcasting dab
Message-ID: <42@omen.UUCP>
Date: 5 Nov 90 00:23:24 GMT
References: <668@kb2ear.UUCP>
```

Organization: Omen Technology INC
Lines: 12
Xref: gmdzi rec.radio.shortwave:2610 rec.ham-radio:16491
Posted: Mon Nov 5 01:23:24 1990

A number of DAB systems have been proposed. Generally, they use compression to lower the bit rate from that used on CDs; there will be controversy about the audible effects of this compression.

The DAB systems use various forms of redundant transmission to provide the listener with reception virtually immune to multipath.

Field trials of the European Broadcast Union DAB system yielded CD audio quality in situations that make FM unlistenable.

DAB can be delivered locally with normal towers, or nationally via satellites.

From 2123812470268739405
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a70708c49c5eb7a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 08:01:44 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!wuarchive!udel!princeton!njin!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Lobbying and the ARRL
Message-ID: <357@ultrix.uhasun.hartford.edu>
Date: 5 Nov 90 16:01:44 GMT
References: <292.2731FEF3@w8grt.fidonet.org>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 46
Posted: Mon Nov 5 17:01:44 1990

In article <292.2731FEF3@w8grt.fidonet.org>, jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
> In response to a thread involving having the ARRL become more active in
> lobbying Congress, etc., Jon Bloom said that in Newington it was considerated
> an "inappropriate use of funds" to lobby.

That is _not_ what I said. Please quote me accurately or not at all.
I said that ARRL devotes a relatively small amount to lobbying principally because only a small amount is _needed_. Again, not much legislation has a direct impact on ham radio. Regulation does, so that's where we expend most of our time and efforts.

> One reason given was that there are more effective ways to spend money to
> accomplish our goals. I fail to see how you could be more effective in
> influencing the course of legislation than to spend it WHERE legislation is
> written and enacted in the education of those BY WHOM the legislation is

> enacted.

True, if legislation were the most important problem. I think you fail to understand how the Federal government really works. See above.

> Another reason given was that by lobbying we marked ourselves as being not
> nice people. I guess that means we would become somewhat akin to the slimey
> creatures greasing palms under the table to get government contracts to build
> widgets. I know we all joke about Congressmen, but they're not THAT stupid!

Again, not what I said. There _is_ a difference between economic interests and non-economic public interests such as ham radio. It has nothing to do with being "nice," and I never implied it did.

[flaming deleted]

> So, since the ARRL won't, we must. There's an election Tuesday. Everyone
> should call his congressional candidates and give a real pitch for a Joint
> Resolution of the Senate and the House of Representatives in Congress
> Assembled declaring ham radio the first U.S. National Park of the Mind and
> ordering a freeze on diminishing its resources and assets pending further
> study.

It's a free country, Jim, so go right ahead. I'm betting that working the system's levers from the inside will be more effective than calling your Congessperson and convincing him/her that all hams are nuts.

--
Jon Bloom, KE3Z | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu |
Snail: 225 Main St., Newington, CT 06111 | "I have no opinions."

From 4471986908379848163
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20b648d13d40bab8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 08:28:44 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!aplcen!haven!decuac!shlump.nac.dec.com!koning.enet.dec.com!koning
From: koning@koning.enet.dec.com (Paul Koning)
Newsgroups: rec.ham-radio
Subject: Re: Magnetic Loop Antennas
Message-ID: <1990Nov5.112445@koning.enet.dec.com>
Date: 5 Nov 90 16:28:44 GMT
References: <1990Nov1.185525.1094@swbatl.sbc.com> <1594@csisles.Bristol.AC.UK> <4327@altos86.Altos.COM>
Sender: newsdaemon@shlump.nac.dec.com
Reply-To: koning@koning.enet.dec.com (Paul Koning)
Organization: Digital Equipment Corporation
Lines: 29
Posted: Mon Nov 5 17:28:44 1990

|> }I have come across a glossy flier on an HF Magnetic loop antenna
|> }manufactured in the UK by CAP. CO Electronics.
|> }Among the features claimed are :-
|> }* occupies only 80cm to 4m of space
|> >Being a flat-dweller and rather unsettled (I tend to change flats very
|> }frequently), it seems to be ideal for DXing, which I miss at the moment.
|> }CAP. CO claims that as compared to a beam 60 to 80 ft long, thir antenna
|> }is only 1 to 1.5 S units down on 20/15/10 metres.
|> >If you believe this, I've got some beach-front property on Mercury you may
|> >be interested in...
|>
|>   No, it's true. I've been using a magnetic quarter wave antenna on
|>   2 meters for years. Performance is <identical> to a similar non-
|>   magnetic quarter wave whip.
|>
|>   Ken - WB0QNA

It makes sense for a 1/4 wave magnetic antenna to work like a 1/4 wave
electric one. But 4 meters isn't exactly "1/4 wave"! I don't remember
if theoretic efficiency goes proportional to size or proportional to the
square (which would give you either the claimed 1.5 S units or twice that).
In any case, small antennas have low impedance and consequently high
resistive losses, which are going to make things look worse than theoretical
efficiencies.

Then again, flat dwellers may have no choice. Any antenna is better than
no antenna...

     paul, ni1d

From -4612983493412756315
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 08:40:14 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!ub!boulder!
uswat!joeb
From: joeb@uswat.uswest.com (Joe Bushinski #350 x2026)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <12596@uswat.UUCP>
Date: 5 Nov 90 16:40:14 GMT
References: <9217@b11.ingr.com> <1990Oct28.185659.11837@NCoast.ORG>
<531@chiton.ucsd.edu> <1990Oct30.203641.5283@athena.mit.edu> <535@chiton.ucsd.edu>
<1495@ke4zv.UUCP> <4330@altos86.Altos.COM>
Sender: news@uswat.UUCP
Organization: US WEST Advanced Technologies, CO, USA
Lines: 20
Posted: Mon Nov 5 17:40:14 1990

In article <4330@altos86.Altos.COM> jerry@altos86.UUCP (Jerry Gardner) writes:
>What makes you think dropping the code requirement will result in

>explosive growth in amateur radio? I highly doubt we'll get the
>annual growth rate up to even 5-7% with no-code.
>
>Let's face it, ham radio just isn't the cutting-edge hobby it once was,
>not with competition from computers, video games, etc. (none of which
>require a license of any kind).

I can see it all now Jerry, the same bleeding hearts will tell us how we
are makeing them LEARN 'all that technical stuff' (after the code
requirement is dropped) that they will never use, so we ought to drop
the technical test, since all the new folks want to do is operate
appliances eh? After all we wouldn't want to FORCE anyone to go out of
their way and have to learn a skill that they may never use.
Joe Bushinski
KE0QA (That's 13WPM and I'll also
never use it SO WHAT!)

I'm neither for nor against APATHY

From 2945861492792713428
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a52980d2c3608d8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 08:52:21 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: NOCODE (was Re: K1EA Software)
Message-ID: <802@idacrd.UUCP>
Date: 5 Nov 90 16:52:21 GMT
References: <16894@shlump.nac.dec.com>
Organization: idacrd, princeton, nj
Lines: 44
Posted: Mon Nov 5 17:52:21 1990

From article <16894@shlump.nac.dec.com>, by reisert@ricks.enet.dec.com (Jim
Reisert):
>
> In article <475@ssc.UUCP>, tad@ssc.UUCP (Tad Cook) writes...
>>
>>WHAAT??!? Bob McGwier, the DSP whiz is into HF CONTESTING??!?!?
>>
>
> Well, it *was* a phone, not a CW contest... :-)
>
> jim

I will be operating N2RM during the CQWW CW section. It appears that we
are going to be successful in putting together the same team (and with others
now wishing to join the fun). I do NOT wish my name or call to be used
against the NOCODE license. It was I who made the motion to the AMSAT

board of directors and Phil Karn who seconded and pushed TAPR via the good offices of Andy Freeborn, then president, to come out publicly FOR a nocode license. This public position by two prominent organizations, in an open letter to the ARRL, was somewhat influential :-) in having them form the Wilson `No-code' committee. I am quite proud of the role we played and I am extremely proud of the work that my friend Phil has done. I'm proud to be his friend.

While I do truly enjoy operating CW, while I will be running one hell of a key at N2RM, and while I operated K2UYH during EME contest exclusively on CW out of necessity (I used DSP to get NARROW!!!! non ringing filters), I would like to say that I do not wish to keep some very good people from helping me on satellites, EME, weak signal VHF work, and more and who see no need for Morse to do this, from having a ham license. I would like everyone who enjoys operating CW, such as myself, to be able to do so. I would also like a class of non Morse using hams to be put together and it appears my wish will soon be granted. Since it appears to me that this is a fait d'accompli, may we now move this discussion on towards how best to bring these people out of the ghetto and into the mainstream?

Bob
N4HY
--

```
-----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
-----------------------------------------------------------------------------
```

From 6278425658923341226
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,35e41430449c6d9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 08:55:05 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: re: QSY to UHF and SHF
Message-ID: <803@idacrd.UUCP>
Date: 5 Nov 90 16:55:05 GMT
References: <1990Nov2.201419.4383@mentor.com>
Organization: idacrd, princeton, nj
Lines: 25
Posted: Mon Nov 5 17:55:05 1990

From article <1990Nov2.201419.4383@mentor.com>, by mbutts@mentor.com (Mike Butts):
> As you try to convert HFers to UHF and SHF, you will certainly hear "but I
> can't work DX, I can't work my buddies in Texas," or whatever.
>
> Ahh, but you can! This morning before work I called CQ on 435 MHz SSB and an
> HH2 (that's Haiti) came back to me on 145 MHz. New country for me. OSCAR 13

> of course. We had a nice little chat, then I had a longer ragchew with a guy
>
> Yes, the downlink isn't UHF on Mode B, but there's also Mode L which is purely
> UHF (70cm/23cm).
>

Whilst operating K2UYH during the EME contest on 1.2 Gig we worked 21
countries. We worked 50+ on 432. There are MANY ways of getting DXCC
above 30 Mhz.

Bob

--

    My opinions are my own no matter | Robert W. McGwier, N4HY
    who I work for! ;-) | CCR, AMSAT, etc.

From -7506668472839927736
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 09:00:30 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!network.ucsd.edu!dcdwest!plb
From: plb@dcdwest.uucp (Phil Blais)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov5.170030.12443@dcdwest.uucp>
Date: 5 Nov 90 17:00:30 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct28.185659.11837@NCoast.ORG> <463@ssc.UUCP>
<1990Oct30.195918.11041@portia.Stanford.EDU> <1990Nov1.171046.21620@dcdwest.uucp>
<1990Nov3.000411.19469@ux1.cso.uiuc.edu>
Organization: ITT Defense Communications Division - West
Lines: 37
Posted: Mon Nov 5 18:00:30 1990

In article <1990Nov3.000411.19469@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil
Howard KA9WGN) writes:
>plb@dcdwest.uucp (Phil Blais) writes:
>>Please keep track of how many courses you are REQUIRED to take there at
>>Stanford (assuming ur a student). In abt 20 years please post to the net
>>how many of those (forced) learned skills you are or are not using. If
>>you find that you are not using most or all of them does it also follow
>>that Stanford as well as all other universities etc. which require certain
>>minimum requirements to obtain a diploma are also "from a utilitarian
>>standpoint" immoral and possibly criminal? (-;
>
>Bad analogy!! And we have gone over this one before.
>

>There is more than one university or college of higher education. In fact
>there are so many choices, it boggles the mind. Your choice of educational
>curriculum exists. If you don't like what Stanford requires, choose some
>other one.
>
>For access to the ham radio spectrum, there is only ONE have radio and
>only FIVE classes within it. And **ALL** of them have the same code
>requirement.
>
>In fact we "no coders" are actually trying to make a choice available
>just like there is in higher education.
>--
>
>--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
><phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

His analogy not mine. The point is minimum requirements at universities or
whatever produce a well rounded background i.e. exposure to what else is out
there besides ones own myopic view of the world.
In addition, describing the CW requirement as "criminal and immoral" is just
a bit much even for "no-coders".
--
```
phil blais  N6KXD (ex WD6ETL)    ITT    Aerospace Communications Division
dcdwest!plb@ucsd.edu           DEFENSE    10060 Carroll Canyon Road
ucbvax!ucsd!dcdwest!plb                      San Diego, CA 92131
```

From -2889860281410182818
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4369f4a4bf82c784,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 09:05:58 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!
hpcc05!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: BEAM magazine?
Message-ID: <27080022@col.hp.com>
Date: 5 Nov 90 17:05:58 GMT
References: <8244@pbhyf.PacBell.COM>
Organization: HP Colorado Springs Division
Lines: 12
Posted: Mon Nov 5 18:05:58 1990

This magazine was "introduced" at the IEEE-EMC Symposium in Wash. D.C. last
August at the amateur radio luncheon there. I had a chance to speak with
the publisher. The magazine seems legit, but only time will tell how long
it will last (or whether the price will remain "Free"). I gathered from
the questions the publisher asked, that the real reason for the questionaire
was to assess the market for this magazine and to focus the articles
to meet the needs of the potential readership. I also gathered that one of
the underlying reasons for the magazine might be as a technical replacement
for HR magazine. Again, only time will tell. The publisher was also

actively soliciting authors.

I sent in my questionaire, but havn't yet received issue number 2.

From -637903021312631419
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8cf26c4aebc90bd4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-05 09:35:01 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!hplsla!tomb
From: tomb@hplsla.HP.COM (Tom Bruhns)
Newsgroups: rec.ham-radio
Subject: J-pole on other bands than 2M or 6M ??
Message-ID: <5720083@hplsla.HP.COM>
Date: 5 Nov 90 17:35:01 GMT
Organization: HP Lake Stevens, WA
Lines: 7
Posted: Mon Nov 5 18:35:01 1990

Has anyone out there tried, or heard of anyone trying, a J-pole on other than 2 or 6 meters? In particular, I'm thinking about 15 and 20 meters... as a way of avoiding radials.. And I'm thinking of it as an element in a phased array...

73, Tom -- K7ITM
tomb%hplsla@hplabs.hp.com

From -1859591001062649854
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,719fab3e6e2af73e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 11:27:31 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!milton!dali.cs.montana.edu!rpi!julius.cs.uiuc.edu!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: Re: Wants random character/word morse trainer
Message-ID: <7120145@hpcupt1.cup.hp.com>
Date: 2 Nov 90 19:27:31 GMT
References: <39050@ut-emx.uucp>
Organization: Hewlett Packard, Cupertino
Lines: 8
Posted: Fri Nov 2 20:27:31 1990

What you want is SuperMorse. It runs on a PC, is availiable on Compu$erve. (HAMNET). It will send groups, disk files, keyboard text, simulated QSO's, simulated VEC test with scoring, random groups, random words, allow skill building for head copy and coping behind, etc. You also can modem a couple PC's together. Also it will toggle the DTR pin so you

can run an oscillator and make your own tapes. It also does Farnsworth.
73's
Jim, WA6SDM

From -5407927434762185493
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c9a25cee7f1493db
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 11:57:48 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Antennas in trees
Summary: climbing harness question
Message-ID: <485@ssc.UUCP>
Date: 2 Nov 90 19:57:48 GMT
References: <1990Nov1.130306.7640@dg-rtp.dg.com>
Organization: very little
Lines: 25
Posted: Fri Nov 2 20:57:48 1990

In article <1990Nov1.130306.7640@dg-rtp.dg.com>, harrism@dg-rtp.dg.com (Mike Harris) writes:
>
>   For you tree climbers out there I found a webbing version
> of a tree climber in one of my hunting catalogs. It has a webbing
> harness and a webbing climbing loop.

What is this? Something you sit in while hauling yourself up over
a branch with a rope?

>
> If anybody is interested I'll dig up the info on this.
>

Please tell us more!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 8576135109355762102
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 12:08:01 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sol.ctr.columbia.edu!cica!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <291.2731E3FE@w8grt.fidonet.org>
Date: 2 Nov 90 20:08:01 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 38
Posted: Fri Nov 2 21:08:01 1990

> From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
> Date: 2 Nov 90 02:18:27 GMT
> Organization: University of Illinois at Urbana
> Message-ID: <1990Nov2.021827.28758@ux1.cso.uiuc.edu>
> Newsgroups: rec.ham-radio
>
> jerry@altos86.Altos.COM (Jerry Gardner) writes:
> >What makes you think dropping the code requirement will result in
> >explosive growth in amateur radio? I highly doubt we'll get the
> >annual growth rate up to even 5-7% with no-code.
>
> It won't. But what exactly happens will depend on the exact licensing
> structure.
>
> But back to ham growth:
>
> By itself, a codefree license class is not going to cause people to come
> knocking on our door. We have to invite them over first. It will be a
> lot easier to promote ham radio once there is a codefree license class
> that has enough privileges to be useful.

Along with your other good suggestions, I think we need to push the National Park of the Mind concept. Among its other virtues, it is "pre-sold" not only from the standpoint of the of nature of its use but also from the standpoint that it deserves to be preserved despite the more profitable commercial uses the frequencies might have.

"If owls are worth saving, so are hams."

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

```
From 8644103281461154171
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 12:12:40 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!
hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <7880341@hpfcdc.HP.COM>
Date: 2 Nov 90 20:12:40 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
Organization: HP Fort Collins, Co.
Lines: 17
Posted: Fri Nov  2 21:12:40 1990
```

It seems to me (based on my experience) that if a code requirement keeps even ONE otherwise qualified person from becoming a ham, it is a mistake, a disservice to the service. (So far, does that make sense?)

Now you might reverse that and say, "If a code requirement means even ONE life is saved because someone knew the code, it is worth it." But consider: If you don't use it, you lose it. If you don't use the code, you aren't going to know it when you need it. Just like everything else, part of being human.

So it seems clear to me that it's an improper REQUIREMENT. Regardless of how easy it is to learn, regardless of how nice or fun or efficient it is, if it's not something you must know to be a successful ham and to contribute to the hobby, it's an improper requirement.

(Just like having to memorize information you SHOULD look up rather than trust to memory. But that's a different gripe.)

```
From -2045201880887213054
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,35e41430449c6d9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 12:14:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!uunet!
zephyr.ens.tek.com!tektronix!sequent!mntgfx!mbutts
From: mbutts@mentor.com (Mike Butts)
Newsgroups: rec.ham-radio
Subject: re: QSY to UHF and SHF
Message-ID: <1990Nov2.201419.4383@mentor.com>
Date: 2 Nov 90 20:14:19 GMT
Organization: engr
Lines: 23
Posted: Fri Nov  2 21:14:19 1990
```

As you try to convert HFers to UHF and SHF, you will certainly hear "but I can't work DX, I can't work my buddies in Texas," or whatever.

Ahh, but you can! This morning before work I called CQ on 435 MHz SSB and an HH2 (that's Haiti) came back to me on 145 MHz. New country for me. OSCAR 13 of course. We had a nice little chat, then I had a longer ragchew with a guy in Tokyo. It's like a 150 kHz wide HF band, only without most of the QRM and lids. The gear is available off-the-shelf, and comparable in cost to good HF stuff. Certainly cheaper than a big tower and tribander, and no TVI or neighbor hassles either.

Yes, the downlink isn't UHF on Mode B, but there's also Mode L which is purely UHF (70cm/23cm).

I'm happy a local I've been encouraging has just gotten on 13 this week. Now he says it's my turn to join him on ATV. Same antenna and amplifier...

Come join us on the bird.
--
Michael Butts, Research Engineer   KC7IT   503-626-1302(fax:1282)
Mentor Graphics Corporation, 8500 SW Creekside Place, Beaverton, Oregon   97005
...tektronix!sequent!mntgfx!mbutts   uunet!mntgfx!mbutts   mbutts@mentor.com
Any opinions are my own, and aren't necessarily shared by Mentor Graphics Corp.

From 6970498455273577462
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bef7f0615b111d6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 12:14:29 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: A Proposal
Summary: dead thread
Message-ID: <486@ssc.UUCP>
Date: 2 Nov 90 20:14:29 GMT
References: <1147@west.West.Sun.COM>
Organization: very little
Lines: 60
Posted: Fri Nov 2 21:14:29 1990

In article <1147@west.West.Sun.COM>, flloyd@sunburn.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242) writes:
>
>
> I would like to propose a new news group:
>
> rec.ham-radio.endless-cw-debate.
>
>   The CW topic is completely worn-out, unresolved and emotionally
>   charged, much like a religeous debate. Why don't we get back
>   to the fun part of this newsgroup and just give it a rest?
>   There must be other more interesting things to discuss around

>   here. How about it?

I agree. Unfortunately, I don't have a moral high ground to stand
on, as I have found myself easily sucked into the morass myself.
I am not really anti-nocode, but I find it irresistable to comment
when someone writes "we have already PROVED that Morse is useless",
or "NO ONE uses it anymore." I should just restrain myself.
Everything that I say has been said already.
>
> To those anti-coders who note that I'm an Extra and would prefer to
> flame me by direct e-mail, don't bother, you're wasting your time as
> well as mine.

Actually, anyone is welcome to flame ME via email. In every case, a strange,
thing has happened...these folks have turned into my "net penpals."

  My point is that this subject has gone
> virtually nowhere in the past several years so why not let it go the
> way of the previous rathole discussions like:
>
>   Pizza via autopatch
>   Transmitting out of band (Let's hope it's dead)
>   etc.

If transmitting out of band is dead, I bet it will be revived again,
especially if the CW/nocode dies out, as it has before.

Nature ABHORS a vacuum!
>
> C'mon folks, let's dump this and get on with having some fun!
>
Yes!

73,

Tad

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -7735372711904335348
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,a4028b889d8738e2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 12:57:59 PST
Path: gmdzi!unido!mcsun!ukc!uos-ee!eep1mw
From: eep1mw@surrey.ac.uk (Mike Willis)
Newsgroups: rec.ham-radio
Subject: Re: CQWW SSB
Message-ID: <1990Nov2.094237.24754@EE.Surrey.Ac.UK>
Date: 2 Nov 90 09:42:37 GMT
References: <1156@larry.sal.wisc.edu<1990Oct30.134312.20435@cbnewsj.att.com>
<38889@ut-emx.uucp> <1314@sun13.scri.fsu.edu>
Sender: news@EE.Surrey.Ac.UK (Usenet News Service)
Organization: University of Surrey, Guildford, Surrey, UK. GU2 5XH
Lines: 25
Posted: Fri Nov  2 10:42:37 1990

>
>Congratulations to everybody who had these amazing scores, including N5AU,
>N2RM, KR0Y, and, of course, K1AR.  Jeeze what a score.  A tremendous effort
>by the operators, an excellent station, and maybe the ultimate example of
>the effect of packet radio on multiop contesting.  Do you realize that K1AR,
>as a multi-single, claimed more countries than W3LPL? !!! (708 I think it
>was they said on 3830 [in between that guy saying "hey George"])
>
>I was single-op at N4WW, but unfortunately had technical difficulties.  Until
>Saturday night I was putting out maybe 600 watts PEP (I think with lousy
>audio to boot).  Needless to say, I had particular trouble on 160, 80 and 20.

>............

>
>Ron DeBry, WA6DGX
>
Different world isn't it, only 600W PEP indeed !
400W PEP is our limit, very much less on 160M.
I wonder how the top (legal) UK score compares with the K1AR score.
Does the 1.5 Kw power input make that much difference ? Or are the big
guns just 20 over 9 instead of 10 over 9 ? I would have thought that
the receiver and location was much more important. Any statistics anyone ?

73 Mike (G0MJW)


From 7169110551595549328
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a70708c49c5eb7a0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 13:46:25 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!att!linac!pacific.mps.ohio-state.edu!
zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!iuvax!news!cartan!ndmath!
nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
```

Subject: Lobbying and the ARRL
Message-ID: <292.2731FEF3@w8grt.fidonet.org>
Date: 2 Nov 90 21:46:25 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 36
Posted: Fri Nov 2 22:46:25 1990

In response to a thread involving having the ARRL become more active in lobbying Congress, etc., Jon Bloom said that in Newington it was considerated an "inappropriate use of funds" to lobby.

One reason given was that there are more effective ways to spend money to accomplish our goals. I fail to see how you could be more effective in influencing the course of legislation than to spend it WHERE legislation is written and enacted in the education of those BY WHOM the legislation is enacted.

Another reason given was that by lobbying we marked ourselves as being not nice people. I guess that means we would become somewhat akin to the slimey creatures greasing palms under the table to get government contracts to build widgets. I know we all joke about Congressmen, but they're not THAT stupid!

How out of touch can one organization be?

Since the only reasons given for NOT lobbying are so trivial, there is no reason to assume the original reason I gave (HQ is afraid to lose their tax exempt status) is not the real reason after all.

So, since the ARRL won't, we must. There's an election Tuesday. Everyone should call his congressional candidates and give a real pitch for a Joint Resolution of the Senate and the House of Representatives in Congress Assembled declaring ham radio the first U.S. National Park of the Mind and ordering a freeze on diminishing its resources and assets pending further study.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From 8610585120588663320
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5de4d117c0a4aee6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 14:12:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!sun-barr!newstop!exodus!wellworld!endelman
From: endelman@wellworld.Sun.COM (Aaron Endelman)

Newsgroups: rec.ham-radio
Subject: Re: Getting back in.
Message-ID: <1981@exodus.Eng.Sun.COM>
Date: 2 Nov 90 22:12:57 GMT
Sender: news@exodus.Eng.Sun.COM
Organization: Sun Microsystems, Mt. View, Ca.
Lines: 33
Posted: Fri Nov 2 23:12:57 1990

In article <1250260@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>You can no longer request a specific callsign for any reason, as I understand
>it. You can request a new callsign when you upgrade (the higher the license,
>the shorter the callsign), but callsigns are issued at random.
>
>AL N1AL

They're definitely not issued at random, but rather sequentially from each of four callsign "blocks", depending on the class of license.

I don't have the FCC Rule Book in front of me, but roughly it works like this:

Block A calls are 1x2's beginning with W, K, N; 2x1's beginning with W, K, N; 2x2's beginning with A. To date, most zones have exhausted the 1x2's and 2x1's.

Block B calls are 2x2's beginning with W, K.

Block C calls are 1x3's beginning with W, K, N.

Block D calls are 2x3's beginning with W, K.

KH, KL, and others are reserved for Hawaii, Alaska, etc., as before.

Extra calls come from Block A, Advanced from B, General and Technician from C, Novice from D. If a given block is exhausted, calls are assigned from the next block in order. For example, 6-land Block C's are now exhausted, so new Novices, Technicians, and Generals will all get 2x3 Block D calls.

Corrections/additions to the above are welcome.

```
--------------------------------------------------------------------------
Aaron Endelman  KK6QH                                   endelman@eng.sun.com
Symbolic Programming Environment Group
M/S 12-40, Sun Microsystems, Inc., 2550 Garcia Ave., Mtn. View, CA   94043
```

From -1793510667010904460
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8545d3eff0750a1a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 15:37:17 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!LL.MIT.EDU!JORDAN
From: JORDAN@LL.MIT.EDU ("Mike Jordan G4ASQ/KC1RP")
Newsgroups: rec.ham-radio
Subject: (none)

Message-ID: <9011021036.AA00858@LL.MIT.EDU>
Date: 2 Nov 90 15:36:42 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 36
Posted: Fri Nov 2 16:36:42 1990

/[...] I propose three classes as follows:
>
>Novice - knows own name
>
>General - can print own name
>
>Extra - can write own name in joined-up writing

The tragedy is that the theory tests are actually at about this level.

I guarantee that if any person of average intelligence & memory spends maybe 1 hour/day for a month, they could pass the extra test. There just aren't that many questions. You could do it just by memorisation. Afterwards, you will still know nothing about radio, but you will have all the theory for a licence.

The pro-coders say the code keeps out the 'riff-raff'.
The no-coders say the code keeps out people who would be good hams.

They are probably both right. If we had stiffer theory tests, we wouldn't have to rely on cw as the only barrier keeping the 'unwashed hordes of CBers' off our bands.

I defy anyone to claim that ANY of the theory tests ensure that the new ham will know enough to build or perform significant modification on a transmitter. Yet this is precisely what separates the Amateur service from all other radio services. The reason most hams turn into appliance operators is that they don't know enough to be anything else.

The sooner we stop arguing about the no-code license and start worrying about the current no-theory license, the sooner we will be able to take ham radio into the 21st century.

Mike KC1RP

From 1785953271270920913
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43d2db03c79f4e36,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 15:38:10 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!att!goblin!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)

Newsgroups: rec.ham-radio
Subject: Re: Laws against scanners
Message-ID: <293.27321CEA@w8grt.fidonet.org>
Date: 2 Nov 90 23:38:10 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 27
Posted: Sat Nov 3 00:38:10 1990

> From: johns@uhunix1.uhcc.Hawaii.Edu (John P. Shalamskas)
> Date: 19 Oct 90 19:59:20 GMT
> Organization: University of Hawaii
> Message-ID: <9949@uhccux.uhcc.Hawaii.Edu>
> Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,
> rec.ham-radio
>
> It seems to me that if someone broadcasts their private life, either by
> voice (yelling) or by electronic means (PA system, radio waves) then
> they
> have no right to complain when others "listen in".   It's rude to expect
> others to turn a deaf ear to your excessively boisterous lifestyle, eh.

You might have a point if the average user understood he's the talk of the neighborhood, but most of them don't. I tried to explain that to a new mother of my close acquaintance and she told me that I had to be wrong. After all, "They come in pairs and I have both halves."

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ___________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From -4891505236349601272
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ec7f4551d1078403
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 15:45:32 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!rutgers!bellcore-2!towernet!taichi!whs70
From: whs70@taichi.uucp (24460-W. H. Sohl(4279))
Newsgroups: rec.ham-radio
Subject: Re: Am I an Outlaw if...
Message-ID: <1990Nov2.134348.15770@towernet.cc.bellcore.com>
Date: 2 Nov 90 13:43:48 GMT
References: <9011011441.AA17784@hermes.intel.com>
Sender: eric@towernet.cc.bellcore.com (Eric Wilson)
Reply-To: whs70@taichi.UUCP (24460-W. H. Sohl)
Organization: Bellcore, Livingston, NJ

Lines: 38
Posted: Fri Nov 2 14:43:48 1990

In article <9011011441.AA17784@hermes.intel.com> rharel@fab8.intel.com (CAL-LAB (MS:JER2-85 TEL:7589)) writes:
>Does driving in New Jersey with a Japanese made mobile 2 meter transciever
>in my car - which is capable of receiving and scanning from 138-174 Mhz
>make me an outlaw ??? Where do hams stand with the Law in the State of New
>Jersey ?

This is one of those grey areas, but first let me answer the simpler question: Where do hams stand with the law in NJ? - The current law is over 50 years old and does NOT have any exemption for hams. That is why the ham community along with swlers, etc have been pushing for a change.

As to the 2 meter rig in question. It would likely come down to individual interpretation by the police, presuming the cop that might have stopped you (presumably for some other reason than having the radio in the first place) even can determine the ham rig has an extended receive capability beyond that of the ham band.

As to the rig being in violation, according to attorney Frank Taranella (a ham himself) the rig is a technical violation of the existing law, since the extended coverage (138 to 144 Mhz and 144 to 174 Mhz) does have government channels in it. What might happen if one is stopped is, as mentioned already, subject to the whims of the law enforcement community. Once again, the problem as I see it is: Why should we (hams) even hhave to be in a position to worry about this sort of thing in the first place?

All hams, swlers, etc should support the passage of NJ Assembly bill #A-3044 which would lift the current restrictions for everyone.

de K2UNK

```
-----------------------------------------------------------------------
Bill Sohl                       ||  email
Bellcore, Morristown, NJ        ||   UUCP    bcr!taichi!whs70
(Bell Communications Research)  ||    or
201-829-2879 Weekdays           || Internet  whs70@taichi.cc.bellcore.com
-----------------------------------------------------------------------
```

From 7935904145349667670
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6d1ac5fe9f3dbca
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 15:51:47 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!sdd.hp.com!zaphod.mps.ohio-state.edu!uwm.edu!rutgers!bellcore-2!towernet!taichi!whs70
From: whs70@taichi.uucp (24460-W. H. Sohl(4279))
Newsgroups: rec.ham-radio

Subject: Re: PRB-WON battle victory -- WAR still on.
Message-ID: <1990Nov2.132203.15665@towernet.cc.bellcore.com>
Date: 2 Nov 90 13:22:03 GMT
References: <1705.272d6bfe@iccgcc.decnet.ab.com>
Sender: eric@towernet.cc.bellcore.com (Eric Wilson)
Reply-To: whs70@taichi.UUCP (24460-W. H. Sohl)
Organization: Bellcore, Livingston, NJ
Lines: 20
Posted: Fri Nov 2 14:22:03 1990

In article <1705.272d6bfe@iccgcc.decnet.ab.com> macmillan@iccgcc.decnet.ab.com
writes:
>On September 21, 1990 the federal court in Cleveland Ohio
>filed an order which gave me a battle victory (war not over)
>in my quest for a permit to put up a Mosley TA33M tribander
>at my QTH in ROCKY RIVER, OHIO.
>
>I have the text of the order scanned and on disk but am not
>sure if this is the place to post a 30K file.

Jim should post this important decision, since it has been rendered
in a Federal Court and can be used as "precedent" in other cases.
I'll happily wade through the 30K file. Others can skip it at their
pleasure.
de K2UNK

```
-----------------------------------------------------------------------
Bill Sohl                       ||  email
Bellcore, Morristown, NJ        ||   UUCP    bcr!taichi!whs70
(Bell Communications Research) ||    or
201-829-2879 Weekdays           || Internet  whs70@taichi.cc.bellcore.com
-----------------------------------------------------------------------
```

From 8538873649616642957
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8bfe894005c3a615,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 16:14:14 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!att!goblin!iuvax!news!cartan!
ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Finding a MARS operator close to Saudi Arabia with an account on the n
Message-ID: <294.27321CEF@w8grt.fidonet.org>
Date: 3 Nov 90 00:14:14 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 41
Posted: Sat Nov 3 01:14:14 1990

 > From: dag@auc.UUCP (Daniel Gibson)
 > Date: 1 Nov 90 18:56:56 GMT
 > Organization: Atlanta University, Atlanta, GA

> Message-ID: <32503@auc.UUCP>
> Newsgroups: rec.ham-radio,alt.desert-shield
>
> HELP!!!!!!!! I am looking for a MARS operator that is on
> the network. The reason is that I am hoping that I could
> send my messages to that person and that later on
> they could deliver it. I am trying I guess to be innovative
> a little(well maybe not) in doing this. Hopefully this person or
> persons will be closer to Saudi Arabia than I am now when I
> send a MARS message.

First off, don't bother looking for someone closer to Saudi Arabia. That isn't how the MARS traffic nets are organized. You would insert the message locally, and they would see to the routing themselves.

Second, the most recent information I have from a local friend in MARS is that there is no service to land based units, but some of the Navy ships DO have service.

There will be those who tell you that ANY address with an APO or FPO number can be handled. That isn't necessarily true. It depends on whether there is MARS service at the delivery end of the path. That is often not the case for a variety of reasons. It also changes from time to time.

Therefore, if you want to try it, send it to me e-mail and I'll check the address. Be certain to include the addressee's full name, rank, SSN, and address as used for mail including APO/FPO. Also, include the sender's full name and address including telephone number.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From 4678282238129499233
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a52980d2c3608d8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 17:12:11 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!cs.umn.edu!uc!noc.MR.NET!msi.umn.edu!umeecs!umich!samsung!cs.utexas.edu!wuarchive!julius.cs.uiuc.edu!apple!winter
From: winter@Apple.COM (Patricia Winter)
Newsgroups: rec.ham-radio
Subject: Re: K1EA Software CT.EXE
Summary: Let's go, Mac programmers!
Keywords: Logging software contest
Message-ID: <46232@apple.Apple.COM>
Date: 2 Nov 90 08:08:59 GMT

References: <798@idacrd.UUCP>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 23
Posted: Fri Nov 2 09:08:59 1990

In article <798@idacrd.UUCP> mac@idacrd.UUCP (Robert McGwier) writes:
>
>I have no connection with K1EA and used it for the first time during
>the CQWW. It is worth every cent you pay for it during this kind of
>effort and I am sure it would be even more valuable to a single op
>unassissted in keeping records straight.

Don't let this get around :-), but I also used CT in the contest and liked
it a lot.

So when is someone going to write a similar program for the Macintosh?
Or is one of the currently available programs just as good? I haven't
seen any of the contesting programs (such as ZCo's "Six Shooter") myself.

Patty

```
--
*****************************************************************************
Patty Winter N6BIS                        INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                     UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From -2737590616100189250
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5de4d117c0a4aee6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 17:21:59 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Getting back in.
Message-ID: <1250260@hpnmdla.HP.COM>
Date: 2 Nov 90 04:12:35 GMT
References: <3781@idunno.Princeton.EDU>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 28
Posted: Fri Nov 2 05:12:35 1990

>My General class ticket expired many moons ago (around 1970 or so). I assume
>that I have to start over and take the code and theory examinations to get
>my license.

Right. There is a 1-year grace period after your license expires, I believe.

>(I think that I can still remember code but probably not at much better than
>5wpm). I use to be active on 15 and 20 m but would now like to play around
>with packet radio. What class of license would make sense (used to be
>Technician) today and is Kaufman's Q&A still the text to study?

Technician or higher would be fine for VHF packet radio. You'd want at least
a General if you want to also do much HF work. I don't think Kaufman's Q&A
is still around now that commercial licenses are defunct. The ARRL ones are
good. They now have a different book for each license class.

>I don`t
>suppose there is anyway way to get one's old call sign back (WB2CLL), is
>there? I imagine it is in use by some chap. Can one request particular call
>signs (old or new)? Used to be that Amateur Extra class could get old
>call signs. Of course, this is more for nostalgia thatn any practical need.
>Thanks very much.

You can no longer request a specific callsign for any reason, as I understand
it. You can request a new callsign when you upgrade (the higher the license,
the shorter the callsign), but callsigns are issued at random.

AL N1AL

From -3324536389653440881
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2ea7c06c947fc66d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 18:15:16 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!ucbvax!ROSEVC.Rose-Hulman.EDU!DERRY
From: DERRY@ROSEVC.Rose-Hulman.EDU
Newsgroups: rec.ham-radio
Subject: HM-102 info wanted
Message-ID: <0E401F52353F60156C@ROSEVC.Rose-Hulman.Edu>
Date: 2 Nov 90 16:39:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Fri Nov 2 17:39:00 1990

Could (would) someone send me a copy of the construction/operating
manual for the Heath HW-102 SWR meter?

TNX ES 73, Jack, K9CUN
derry@rosevc.rose-hulman.edu

Jack Derry, 810 S. 34th Street, Terre Haute, IN 47803   812-232-8720

Question: How do you get -9 V from 13.8 V?
Answer: Put a 22.8-V battery in series with the 13.8-V source. This will dro

p it down to the proper value.

Glad to be of assistance.

From -2463590091411926795
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8545d3eff0750a1a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 18:32:51 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!milton!dali.cs.montana.edu!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <1250261@hpnmdla.HP.COM>
Date: 3 Nov 90 02:32:51 GMT
References: <9011021036.AA00858@LL.MIT.EDU>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 10
Posted: Sat Nov 3 03:32:51 1990

> The sooner we stop arguing about the no-code license and start worrying
> about the current no-theory license, the sooner we will be able to
> take ham radio into the 21st century.

I think this is one big reason so many of us are uneasy about eliminating the code test. As time goes on, the theory tests keep getting easier and easier. At least 13 wpm code will always be 13 wpm code.

AL N1AL

From -5762667730333331376
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2ef4bb857bd61bb9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 18:36:44 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!ALF.UNOMAHA.EDU!pschleck
From: pschleck@ALF.UNOMAHA.EDU (Paul Schleck)
Newsgroups: rec.ham-radio
Subject: Re: No code License & CW Bashing
Message-ID: <9011021734.AA16234@alf.unomaha.edu>
Date: 2 Nov 90 17:34:07 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Lines: 43
Posted: Fri Nov 2 18:34:07 1990

Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing

References: <1990Oct30.203641.5283@athena.mit.edu> <535@chiton.ucsd.edu> <1990Oct31.052911.25292@ux1.cso.uiuc.edu> <1990Nov1.175044.12245@cadence.com>

In <1990Nov1.175044.12245@cadence.com> jdm@cadence.com (Joe Mastroianni) writes:

>   o We should continue to encourage experimentation and technical
>   excellence in HAM radio.

>   o We should continue to find ways in HAM radio to allow participants
>   to grow, attain new goals, and make accomplishments. We should be
>   sure that people have something to work for and feel good about
>   when they get it.

(intervening text deleted for brevity)

>   I do believe incentives are good, though. When you work hard for something
>and attain it, you achieve a greater level of self respect, and you are
>inclined to be active in protecting the rights you worked for.

Amen! The ARRL currently goes through a lot of gyrations and expense to administer the Code Proficiency, WAS, DXCC, and other awards with questionable public benefit. What if the ARRL provided proficiency awards in technical knowledge? Just as Joe Ham could get a certificate for copying code at 40wpm (an admirable goal, don't get me wrong!) he could also get a nice piece of wallpaper for studying the fundamentals of TCP/IP or Microwave Communication, or other subjects. If it was all accredited by some suitable acrediting board, Joe Ham could even get college credit and financial aid! NARTE (National Association of Radio and Television Engineers) already provides some form of cross-accredidation for holders of Amateur Advanced and Extra licenses, think of what could be done with this proposed self-betterment program!

Maybe then the ARRL could put some substance behind its espousing of ham radio as a "trained bank of electronics experts" that it keeps handing out to the FCC, the Congress, and the ARRL Membership.

(Yes, I'm a a member, and I make my opinions VERY clear to my SM and my Division Director.)

73, Paul W. Schleck, KD3FU

pschleck@alf.unomaha.edu

From -475104969627944231
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84059413cd7753c5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,84059413cd7753c5,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f5cc0,84059413cd7753c5,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-11-02 18:40:27 PST

Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!rpi!masscomp!ocpt!tsdiag!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.space
Subject: * SpaceNews 05-Nov-90 *
Keywords: Pioneer 11, "The Mail Bag", OSCAR-13
Message-ID: <360@ka2qhd.UUCP>
Date: 3 Nov 90 02:40:27 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 130
Xref: gmdzi rec.ham-radio:16468 rec.ham-radio.packet:2989 sci.space:17223
Posted: Sat Nov 3 03:40:27 1990

SB SPACE @ ALLBBS < KD2BD $SPC1105
* SpaceNews 05-Nov-90 *

Bulletin ID: $SPC1105

SpaceNews

MONDAY NOVEMBER 5, 1990

SpaceNews originates at KD2BD in Wall Township, New Jersey, United States. It is published every week and is made available for unlimited distribution.

* PIONEER 11 STATUS *

The Pioneer 11 spacecraft emergency support continues with 70 meter antennas in high power transmitter uplink configuration. Non-coherent downlink telemetry has been processed by the Ames Research Center. Following the uplink with the 70 meter antenna in Spain on 28-Oct-90, the 70 meter antenna in Goldstone was unable to acquire 3 way downlink. The project at Ames reports commands are getting into the Pioneer 11 spacecraft, but the planned receiver swap was not successful.

[Information via JPL]

* MAIL BAG *

I've been receiving quite a few questions recently about DOVE-1/OSCAR-17. First of all, DOVE transmits on a frequency of 145.825 MHz FM. This downlink carries spacecraft telemetry (AX.25 AFSK packet radio format) as well as synthesized voice transmissions. To date only telemetry has been carried on DOVE's downlink as spacecraft testing continues.
After new software has been loaded and tested on DOVE, the Votrax speech messages should be heard. It should also be mentioned that DOVE-1 does

not have mailbox capabilities. It was designed primarily for downlinking digitized voice messages to Earth.

Q: Could you carry Keplerian orbital data in SpaceNews?
A: Since there are other outlets for Keplerian orbital data, I would rather not repeat that information here. (Sorry!)

Q: Are they any satellites that I can access with an HT?
A: Well, you could get a signal into RS10 or RS11 on Mode A with nothing more than a handheld 2-meter transceiver if you were to key the PTT button with CW, but this usually results in a very chirpy signal! FM and other "constant carrier" emissions should be avoided when communicating through amateur satellite transponders.

Q: Is "SpaceNews" associated with the trade journal "Space News"?
A: No. "SpaceNews" has been in existance since November 1987. It is dedicated to topics of interest to Amateur Radio operators worldwide and is non-profit publication without connection to any organization, public or private.

* OSCAR-13 NEWS *

Command Stations performed magnetorquing procedures near perigee of orbits on October 15-17. The new transponder schedule is as follows:

Mode-B : MA 000 to 095
Mode-JL: MA 095 to 125
Mode-LS: MA 125 to 130
Mode-S : MA 130 to 135
Mode-BS: MA 135 to 140
Mode-B : MA 140 to 256
Omnis : MA 220 to 040

This schedule is expected to continue throu 26-Dec-90. The spacecraft attitude is BLON = 180 and BLAT = 0.

* TNX QSL! *

A special thanks to all those who sent QSLs, cards and letters to SpaceNews:

DL6OAQ: Otto Anna, visting Portland, Oregon, U.S.A.
KE2NK : Joe Isbell, Moriches, New York, U.S.A.
KE2UN : John Kiernan, New York, New York, U.S.A.
N5JTA : Glenn Neesley, Deming, New Mexico, U.S.A.
KA5BOU: Craig Young, Plano, Texas, U.S.A.
KB2FID: Doug Smith, Glendale School, Tonawanda, New York, U.S.A.
WA6WZO: Fried Heyn, Costa Mesa, California, U.S.A.
WB2DHY: Phil Lorito, Holtsville, New York, U.S.A.
WB3JCE: Dick Stauffer, Wayne, Pennsylvania, U.S.A.
W3EAG : Tom Gibson, Plymouth Meeting, Pennsylvania, U.S.A.

...and e-mail messages:

G4KLX : Jonathan Naylor, Cromford, Derbyshire, England
KA3BZQ: Jan Slater, Randallstown, Maryland, U.S.A.
KA3OIT: Jack Hienz, Fombell, Pennsylvania, U.S.A.
SM5RNP: Borje, Balsta, Sweden
WB7ESQ: Elio
WB9USI: Dave, Racine, Wisconsin, U.S.A.
WD4EVD: Greg, Georgia, U.S.A.
WD8CHL: Jim Barbour, Berlin Heights, Ohio, U.S.A.

* FEEDBACK WELCOMED *

Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

UUCP   : kd2bd@ka2qhd.de.com
AMPR   : KD2BD @ NN2Z.NJ.USA.NA

MAIL   : John A. Magliacane
Department of Electronics Technology
Advanced Technology Center
Brookdale Community College
765 Newman Springs Road
Lincroft, New Jersey 07738
U.S.A.

<< If you like what you see, send us your QSL card! >>

/EX

```
--
John A. Magliacane                 FAX  : (908) 747-7107
Electronics Technology Department  AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College        UUCP : ...!rutgers!ka2qhd!kd2bd
Lincroft, NJ  07738  USA           VOICE: (908) 842-1900 ext 607
```

From 6021407930521153778
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 18:48:44 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!ub!dsinc!netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <147@platypus.uofs.edu>
Date: 2 Nov 90 17:01:49 GMT
References: <9217@b11.ingr.com> <1990Oct28.185659.11837@NCoast.ORG> <1990Nov2.021827.28758@ux1.cso.uiuc.edu>

```
Organization: University of Scranton, Scranton, PA
Lines: 18
Posted: Fri Nov  2 18:01:49 1990

jerry@altos86.Altos.COM (Jerry Gardner) writes:
>Let's face it, ham radio just isn't the cutting-edge hobby it once was,
>not with competition from computers, video games, etc. (none of which
>require a license of any kind).

And this is the whole point of all this endless debate.
There are some of us who agree.  CW is not cutting edge.  And if moving
toward the cutting edge of technology is what it is going to take, then
we better get moving cause we are so far back now, you can't even see it
from here.

bill     KB3YV



--

     Bill Gunshannon          |        If this statement wasn't here,
     bill@platypus.uofs.edu   |  This space would be left intentionally blank


From -2390896811253893361
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 19:38:59 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1500@ke4zv.UUCP>
Date: 3 Nov 90 03:38:59 GMT
References: <9217@b11.ingr.com> <1990Oct28.185659.11837@NCoast.ORG>
<531@chiton.ucsd.edu> <1990Oct30.203641.5283@athena.mit.edu> <535@chiton.ucsd.edu>
<1495@ke4zv.UUCP> <4330@altos86.Altos.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 45
Posted: Sat Nov  3 04:38:59 1990

In article <4330@altos86.Altos.COM> jerry@altos86.UUCP (Jerry Gardner) writes:
>In article <1495@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
>
>}Amateur radio needs explosive growth in the UHF and Microwave spectrum to
>}have any hope of holding on to these allocations. Amateur radio needs a
>}"critical mass" of operators in the UHF/SHF bands to support real computer
>}networking. US society needs more people with an interest in technical career
>}fields. Hooking more people on a technical hobby is instrumental in steering
>}them to a technical career. Saddling potential recruits with a requirement to
```

>}learn a mechanical skill most of them consider mere hazing is counterproductive
>}to these goals.
>
>What makes you think dropping the code requirement will result in
>explosive growth in amateur radio? I highly doubt we'll get the
>annual growth rate up to even 5-7% with no-code.
>
>Let's face it, ham radio just isn't the cutting-edge hobby it once was,
>not with competition from computers, video games, etc. (none of which
>require a license of any kind).

It's true that ham radio is not the cutting-edge hobby it once was. And that's due in large measure to hams clinging to obsolete techniques, which is not in itself totally harmful, but, when it is embedded in the entrance requirements, is deadly to attracting people who prefer not to renact the past, but instead to invent the future.

If you believe that an amateur license exam where Morse makes up less than 50% of the score will inevitably result in glorified CBers and ham XYLs overrunning the microwave bands, then there is no hope for amateur radio. I believe that, with the obstacle of an exam which has fully 50% devoted to an arcane historical manual modulation encoding removed, an aggressive recruitment campaign can succeed in attracting bright young people once again to the cutting edge of communications, a revitalized amateur radio.

If we only get an additonal 5% growth, and only a few percent of those are the sort of activists who have caused the explosion in computers, then we will increase the ranks to the doers and dreamers in ham radio a hundred fold. Some will joyfully accept the advances in digital communication and extend them manyfold. Some will delight in satellite communication and join the now thin ranks as supporters and builders of future systems. Some may be challenged to build cellular repeater systems. Others may wish to explore picture transmission. A few may even learn CW and desert to the DC bands to become DXers. Oh well, you can't win them all. :-)

Gary KE4ZV

From 3417345191099806242
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 20:31:21 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Summary: New lamps for old.
Message-ID: <1501@ke4zv.UUCP>
Date: 3 Nov 90 04:31:21 GMT
References: <9217@b11.ingr.com> <1990Oct28.185659.11837@NCoast.ORG> <531@chiton.ucsd.edu> <1990Oct30.203641.5283@athena.mit.edu> <535@chiton.ucsd.edu>

```
<1495@ke4zv.UUCP> <538@chiton.ucsd.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 68
Posted: Sat Nov  3 05:31:21 1990

In article <538@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
>In article <1495@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
>>
>>I think you are wrong. The deterioration of good manners among younger people
>>is a reflection of society in general that has nothing to do with CW.
>
>Yes Yes Yes....This really is the crux of the whole problem.  CW itself does not
>make for better hams. However, the discipline of learning to operate CW used to
                                                                         ^^^^
>require a lot of air time. All of this operating time served to teach new hams
>proper operating procedures and instill in them a respect for what used to be
                                                                    ^^^^^^^^^^
>the fundamental traditions of the Amateur Radio Service: civility,friendlines,
>patience, and a sense of community dedicated to public service. Today, CW is
>learned from tapes, computers etc. and very little operating is being done by
>new hams. What the more traditional (OF) hams are afraid of is the loss of the
>traditional values. They believe that without the glue of tradition, the Service
>will collapse into the anarchy of CB. I think this is already happening.
>>
>>One of the reasons that the operators in the CW subbands are marginally
>>more mannerly is that many of them are older and were raised in a more
>>mannerly society.
>
>Another three yes's... Most of the hams in the CW bands have spent a long time
>there learning  to operate. The newer hams there seem to be attracted by the
>the traditional feel of operating there and are willing spend the time and
>overcome the obstacles necessary be at home there. It's the attraction of being
>able to go back in time and live in a world that was friendly, mannerly. I have
         ^^^^^^^^^^^^^^^
>lived in the 40's and 50's and I will tell you outright the life young people
>today have to look forward to sucks. I feel sorry for them and for myself that
>I have to watch it happen. Thats why you will find so many traditional hams
>trying to preserve in ham radio what society today has lost. A decent place
>to live.  And pass it on to young people because they deserve better.
>>

This is the traditional generation gap you are experiencing. Every older
generation truely believes that the young people are going to hell and
that civilization is on the brink of collapse. In my generation it was
beatniks, Elvis, and that devil music rock and roll. Later it was protest,
hippies, and Jimi Hendrix. Today it's punk and rap. Yet during all that time
we won and lost wars, revolutionized electronics, sent men to the moon, and
invented teflon frying pans. Relax, be happy mon! The Dow is at 2400 vs 700
ten years ago, our national debt of three trillion dollars is a smaller
percentage of our GNP than at any time since World War II, at the peak of the
S&L crisis more new banks were formed than failed. Somehow civilization
survives the culture shock of new ideas and new ways and carries on. As Darwin
```

said, "Adapt or die!". Or as a younger thinker said, "Go with the flow.".

>Below 30 Mhz, if the Amateur Radio Service does not reverse the decent into
>in your face street behavior, commercial interests will have all the ammunition
>they need to justify seizing all of the ham spectrum as being too valuable
>to waste on a bunch of radio hoodlums.

We just gained two new bands at HF as I recall. The commercial interests are abandoning the "worthless" HF spectrum for satellite links, fiber optic links, and microwave links as quickly as possible. Soon no one will want HF but the few remaining retired hams and a few die hard propaganda broadcasters. The future of communications is upstairs in the microwave spectrum. We can lose our share of this spectrum, our future, if we continue to put archaic obstacles in the way of those young turks who can develop it.

It won't be easy reversing the image of ham radio as a cliquish bunch of weird old men playing with radios. But, with the removal of an archaic obstacle to entry, there is a chance that it can be done. With a lot of hard work and some smart promotion, the old girl may come back to life yet.

Gary KE4ZV

From -1499845706130935693
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75a0a88a9bf5c14
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 20:45:02 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: licenses
Keywords: the last word
Message-ID: <1502@ke4zv.UUCP>
Date: 3 Nov 90 04:45:02 GMT
References: <39037@ut-emx.uucp>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 17
Posted: Sat Nov 3 05:45:02 1990

In article <39037@ut-emx.uucp> oo7@ut-emx.uucp (Derek Wills) writes:
>
>This may be too hard for some, and they may indeed never need to write their
>own name so perhaps it's too restrictive. Maybe we should just revert to the
>good old Amurrican system and sell the licenses. More money gets you more
>privileges, just like the Real World.

Well it is how the DXers do it already. Send those green stamps. DXCC at any price. I understand that some enterprising VECs will sell you an Extra class license for $100 today. Then you can get on your CW computer and impress the low caste Novices at 50wpm and 2kw just like a real Extra. Phooey! Just stay on the DC bands and don't bother those of us Upstairs where the future of communications is happening.

Gary KE4ZV

Grrrr! Boy, I'm in a nasty mood today!

From -1642510358820689101
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 21:26:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov3.052600.4627@ux1.cso.uiuc.edu>
Date: 3 Nov 90 05:26:00 GMT
References: <291.2731E3FE@w8grt.fidonet.org>
Organization: University of Illinois at Urbana
Lines: 30
Posted: Sat Nov 3 06:26:00 1990

jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

> > From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
> > By itself, a codefree license class is not going to cause people to come
> > knocking on our door. We have to invite them over first. It will be a
> > lot easier to promote ham radio once there is a codefree license class
> > that has enough privileges to be useful.

>Along with your other good suggestions, I think we need to push the National
>Park of the Mind concept. Among its other virtues, it is "pre-sold" not only
>from the standpoint of the of nature of its use but also from the standpoint
>that it deserves to be preserved despite the more profitable commercial uses
>the frequencies might have.

Definitely. But how about putting a big fence around ALL the parks and refuse to allow anyone in who cannot prove by a test that they can ride horseback. There are good reasons for learning this skill, too. What if you car breaks down in an emergency? Horseback riding is also a very worthwhile and enjoyable skill. It is the traditional mode of transportation. And besides, if we don't force the coming generations to learn how to ride a horse, that would be the same as denying them the opportunity.

BTW I never learned how to ride a horse faster than a trot, but that's good enough to get into some of the more remote parks that no one ever goes to that are being threatened by commercial interests.

:-)
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society

<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From 2009200252298576623
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4028b889d8738e2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 22:35:38 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!sdd.hp.com!
uakari.primate.wisc.edu!larry!sde
From: sde@larry.sal.wisc.edu (Scott Ellington)
Newsgroups: rec.ham-radio
Subject: Re: CQWW SSB
Message-ID: <1159@larry.sal.wisc.edu>
Date: 2 Nov 90 16:38:24 GMT
References: <1156@larry.sal.wisc.edu<1990Oct30.134312.20435@cbnewsj.att.com>
<38889@ut-emx.uucp> <1314@sun13.scri.fsu.edu>
<1990Nov2.094237.24754@EE.Surrey.Ac.UK>
Reply-To: sde@larry.sal.wisc.edu.UUCP (Scott Ellington)
Organization: Space Astronomy Lab, Madison, WI
Lines: 14
Posted: Fri Nov  2 17:38:24 1990
```

The difference between 400 W and 1500 W is less than 6 dB, less than one S-unit. If it weren't for the fact the so many stations in this part of the world run 1500 W, I expect the contest scores would be just as high with 400 W. After all, the vast, vast majority of the stations worked by the winners are running low power and, as the old saying goes, "You can't work 'em if you can't hear 'em." In addition, especially in the SSB contest, the bands are so crowded that only the loudest stations can stake out a frequency successfully. The stations with the big scores have to spend most of their time calling CQ and running other stations, since it's the only way to keep up the kind of rate necessary to compete.

Scott K9MA

```
From 4018735720050902879
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a52980d2c3608d8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 22:37:38 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!ucbvax!agate!shelby!
portia.stanford.edu!jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: K1EA Software CT.EXE
Keywords: Logging software contest
Message-ID: <1990Nov2.164323.9481@portia.Stanford.EDU>
Date: 2 Nov 90 16:43:23 GMT
References: <798@idacrd.UUCP> <475@ssc.UUCP>
```

Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 13
Posted: Fri Nov 2 17:43:23 1990

In article <475@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>WHAAT??!? Bob McGwier, the DSP whiz is into HF CONTESTING??!?!?
>I see all the posts on here from folks who want to dump the code, and
>say they are only interested in being on the "cutting edge" of technology.

Not to shatter your illusions, Tad, but I spent about six hours last weekend yelling "Whiskey Six Yankee Xray Q R Zed...", while typing calls furiously into CT...

I'll look for you during Sweepstakes...

-=Paul Flaherty, N9FZX | Life is an inherent shift - reduce conflict.
->paulf@shasta.Stanford.EDU |

From -4986954326075402396
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dbfd8cd3b9f0f39c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 22:38:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1885@n8emr.UUCP>
Date: 2 Nov 90 12:52:46 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 96
Posted: Fri Nov 2 13:52:46 1990

Return-Path: <n8emr!W8PH>
Message-Id: <m0iUuyW-0000hXC@n8emr.uucp>
[Date: Fri, 2 Nov 90 01:45 EST
[To: <ALL@ARRL>
R:901102/0619z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:11574 Z:43232
R:901102/0519 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:47452 Z:43103
R:901102/0428 @:WB8ICL.OH.USA.NA Yellow Springs #:59821 Z:45387
R:901102/0255 @:WA8ZWJ.#DAY.OH.USA.NA Union #:21015 Z:45322

DX BULLETIN 44 ARLD044
FROM ARRL HEADQUARTERS
NEWINGTON CT NOVEMBER 2, 1990
TO ALL RADIO AMATEURS

THANKS TO ALLEN, N2KW AND THE TRISTATE DX PACKETCLUSTER NETWORK FOR

THE FOLLOWING DX INFORMATION.

ANGOLA, D2. RUMORS PERSIST OF A WEEK OF OPERATION ON SSB, CW AND RTTY FROM LUNDA BY A WELL KNOWN EUROPEAN DXER.

ALBANIA, ZA. IN A REVERSAL OF WHAT WAS WIDELY EXPECTED, A TRIO OF ALBANIAN OFFICIALS VISITED BUDAPEST RECENTLY, FOR A DEMONSTRATION OF AMATEUR RADIO.

BAHAMAS, C6. C6AFQ BY K1TN AND KR1S WILL ENTER THE CQWW CW CONTEST, WITH OPERATION ON THE NEW BANDS OUTSIDE THE CONTEST NOVEMBER 21 TO 27. QSL C6AFQ TO K1TN AND C6A/KR1S TO KR1S.

BANABA, T33. KIYOKO, ZK3KY, WILL BE JOINING THE BANABA TEAM DURING THE T33R OPERATIONS SCHEDULED FOR NOVEMBER 6 TO 20. WATCH FOR T33R ON 1823, 3785, 7085, 14145, 14185, 21285 AND 28485 KHZ SSB. THE CW STATION T33T, WILL BE ON 1832, 3505/3523, 7003/7023, 14023, 21023 AND 28023 KHZ. 12, 17 AND 30 METER ACTIVITY DURING THE SECOND WEEK OF OPERATION. QSL VIA OH3GZ.

BRUNEI, V85. LOOK FOR V85OO BY N2OO NOVEMBER 12 TO 16. OPERATION WILL BE ON 80 THROUGH 10 METERS AND WILL BE MOSTLY CW.

EASTERN MALAYSIA, 9M8. 9M8MKS WILL BE ACTIVE NOVEMBER 10 TO 12 FROM THE SEANET CONVENTION. THE CLUB STATION IS LOCATED AT THE HOLIDAY INN KUCHING, SARAWAK. QSL VIA 9M2FH.

JUAN FERNANDEZ, CE0. WATCH FOR CE0ZZZ NOVEMBER 10 TO 18. CW, SSB AND RTTY ON 80 THROUTH 6 METERS PLUS AO13. QSL VIA CE3BFZ. CE0ZCD HAS BEEN WORKED ON 14195 KHZ AT 0100 UTC AND 28510 KHZ AT 1300 UTC. ALTHOUGH LOCATED ON JUAN FERNANDEZ, SERGIO QSLS VIA BOX 1972, VALPARAISO. CE0ZIG IS LOCATED ON EASTER ISLAND.

MALPELO, HK0. HK0TU IS DUE TO OPEN TODAY FOR A 5 DAY OPERATION. FREQUENCIES WILL BE 1825, 3505, 7005, 14025, 21025 AND 28025 KHZ FOR CW. FOR SSB, LOOK ON 1835, 3795, 7085, 14145, 21195 AND 28395 KHZ. QSL VIA HK3DDD.

MINAMI TORISHIMA, JD1. JH1MAO/JD1 HAS BEEN ACTIVE THIS WEEK. QSL VIA JA1GUC. JR1VTDT/JD1 HAS ANNOUNCED A 2 WEEK OPERATION FROM MARCUS ISLAND AS WELL. IT IS NOT KNOWN IF THESE TWO ARE TRAVELING TOGETHER OR NOT.

MONGOLIA, JT1. JT1CO MEETS KA2BBZ ON THURSDAY AT 0000 UTC ON 21285 KHZ. BILL WILL ATTEMPT TO ARRANGE A 10 METER SCHEDULE FOR THE DIFFICULT PATH TO THE EAST COAST OF THE USA.

MOZAMBIQUE, C9. ONLY A FEW DAYS REMAIN TO WORK C9QL. IRIS WAS ON 40 METER CW MONDAY, ADDING ANOTHER BAND TO THIS MOST WELCOME STOP IN THE YASME ITINERARY.

ROTUMA, 3D2. FAMILIARIZE YOURSELF WITH THE OPERATING HABITS OF A35XV. IN ANOTHER WEEK, OR SO, BING WILL BE SIGNING 3D2XV FROM

ROTUMA.

TONGA, A35. A35XV, BY VK2BCH, HAS BEEN ACTIVE ON 40 THROUGH 10 METER SSB. BING IS SCHEDULED TO MOVE ON TO ROTUMA IN A WEEK OR SO. TRY 14222 KHZ AT 0400 UTC.

SAUDI ARABIA, HZ. 7Z1AB IS THE NEW CLUB STATION AT THE AMERICAN EMBASSY COMPOUND IN RIYADH. RICK IS TRYING TO BUILD THE STATION UP IN BETWEEN HIS 18 HOUR WORKDAYS. HE TRIES TO GET ON THE AIR BETWEEN 1700 TO 2000 UTC, EITHER 15 METER SSB OR ON VARIOUS 20 METER NETS. OPERATORS DON, DAN AND DIRK HAVE EVEN LESS TIME AVAILABLE TO OPERATE. DON LIKES CW. THERE IS A PLAN AFOOT TO PUT THE IC 765 ON RTTY IN THE NEAR FUTURE.

SUDAN, ST2. WZ26C/ST4 IS QRT. ERIC HAS COMPLETED HIS PROJECT IN THE SUDAN. HE IS CURRENTLY IN KENYA, AWAITING TRAVEL ARRANGEMENTS TO ENGLAND. HE ASKED US TO PASS ALONG HIS THANKS FOR THE OUTSTANDING COOPERATION OF ALL RADIO AMATEURS AND THEIR UNDERSTANDING HIS OPERATING RESTRICTIONS. QSL VIA W4FRU.

TURKEY, TA. TA0W IS LA6WAE WHO SAYS TO QSL VIA LA5NM.

WEST KIRIBATI, T30. TARAWA IS THE SITE OF AN IMPROMPTU DX CONVENTION. T30JH BY VK2GJH IS STILL ACTIVE. WITH JG2BRI, OH1RY, SM7PKK, TF3CW, AND ZK3KY ALL IN TOWN, STAGING FOR THEIR BANABA ADVENTURE, IT SHOULD BE EASIER TO CATCH T30, THIS WEEKEND, THAN ANY TIME IN RECENT MEMORY.

From -5241643347765610285
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dbfd8cd3b9f0f39c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 22:38:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1884@n8emr.UUCP>
Date: 2 Nov 90 12:52:32 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 38
Posted: Fri Nov 2 13:52:32 1990

From n8emr!W8PH Thu Nov 1 03:34:19 1990
Return-Path: <n8emr!W8PH>
Message-Id: <m0iUaJp-0000fLC@n8emr.uucp>
[Date: Thu, 1 Nov 90 03:33 EST
[To: <ALL@ARRL>
R:901101/0731z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:11503 Z:43232
R:901101/0507 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:47187 Z:43103

R:901030/0149 @:WB8ICL.OH.USA.NA Yellow Springs #:59513 Z:45387

PROPAGATION FORECAST BULLETIN 44 ARLP044
FROM ED TILTON, W1HDQ
SPRING HILL FL OCTOBER 29, 1990
TO ALL RADIO AMATEURS

EARLY IN THE SECOND HALF OF OCTOBER THE SOLAR FLUX DROPPED RAPIDLY. IT HAD PEAKED AT 232 ON THE 15TH, THE HIGHEST FLUX READING SINCE LATE IN AUGUST, BUT BY THE 20TH IT WAS DOWN TO THE 150S. A LOW OF 152 CAME ON THE 28TH.

A CLEAR SKY ON THE 29TH SHOWED NEW SPOT ACTIVITY ON THE SUN NEAR THE EAST LIMB, AND THE SOLAR FLUX BEGAN TO RISE. DISTRIBUTION OF ACTIVITY ON THE SUN IS SUCH THAT HIGHER FLUX NUMBERS MAY CONTINUE FOR SEVERAL DAYS. NONE OF THE SPOTS PRESENTLY VISIBLE WILL BE LOST TO SOLAR ROTATION FOR SEVERAL DAYS, SO THE FORECAST WEEK MAY PROVIDE HIGHER USABLE FREQUENCIES INTO EARLY NOVEMBER.

WHATEVER THE SUN DOES, NOVEMBER OFTEN PROVIDES HIGH USABLE FREQUENCIES AND GENERALLY GOOD PROPAGATIOC BOTH PEAKING LATE IN THE MONTH. WITH INTEREST IN 50 MHZ DX NOW WORLDWIDE, THIS COULD BE ONE OF THE MOST INTERESTING MONTHS FOR VHF DX ON RECORD. TEN METERS AND THE MEW BANDS WILL ALSO BE AT THEIR BEST.

AMERICAN SUNSPOT NUMBERS FOR OCTOBER 18 THROUGH 24 WERE 166, 142, 129, 143, 132, 133 AND 126 REEPECTIVELY, WITH A MEAN FIGURE OF 138.7. SOLAR FLUX NUMBERS AS REPORTED BY WWV FOR THE SAME TIME PERIOD WERE 195, 221, 200, 187, 169, 164 AND 157, WITH A MEAN FIGURE OF 184.7.

From 8645099342178284573
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6e6fb6cdc7c01970,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 22:43:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!PICA.ARMY.MIL!cfishman
From: cfishman@PICA.ARMY.MIL (Clark Fishman, FSAC-FCD)
Newsgroups: rec.ham-radio
Subject: RF EXPO EAST
Message-ID: <9011020943.aa25587@FSAC1.PICA.ARMY.MIL>
Date: 2 Nov 90 14:43:05 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Fri Nov 2 15:43:05 1990

I wonder if any other net users are going to attend RF EXPO EAST in Orlando this month. I always see lots of HT's there (including mine)????????

Clark Fishman   WA2UNN

From 2143930527056379851
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 22:58:11 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!shelby!portia.stanford.edu!jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov2.165242.10210@portia.Stanford.EDU>
Date: 2 Nov 90 16:52:42 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp> <1990Oct28.185659.11837@NCoast.ORG> <9294@b11.ingr.com>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 21
Posted: Fri Nov 2 17:52:42 1990

In article <9294@b11.ingr.com> herbster@b11.ingr.com (Joe Herbster) writes:

> Conservative of spectrum would be more accurate. It is efficient
> ENOUGH for conversation. I do not think speak or read at 9600 baud

Well, actually, you do speak at 9600 bps, or somewheres thereabouts. SSB is suprisingly close to the Shannon bound, with ACSB being even closer. Somehow, CW always seemed too slow for me. And, given the symbol time and channel fading, it lacks the redundancy of voice. But, I've made these points before...

> Where is the skill in talking into a microphone?? We all know that
> CW is more of a skill than any voice mode or the code bashers wouldn't
> be whining so much about it. :-)

Wrong end. As with any communication system, the hard part is the receiver. A well trained, experienced weak signal sideband op can pull all kinds of signals out of the ether that your average human wouldn't. That's because the human auditory system is optimized for speech.

-=Paul Flaherty, N9FZX | Life is an inherent shift - reduce conflict.
->paulf@shasta.Stanford.EDU |

From -4212602234928741421
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a7e6057c2fb241e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-03 01:24:18 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!abvax!iccgcc!macmillan

From: macmillan@iccgcc.decnet.ab.com
Newsgroups: rec.ham-radio
Subject: PRBWON - copy of the court order -- still fighting
Message-ID: <1770.27316a30@iccgcc.decnet.ab.com>
Date: 2 Nov 90 17:44:32 GMT
Lines: 1156
Posted: Fri Nov 2 18:44:32 1990

All info contained herin is mine alone and not associated in any way with my employer.

This file was placed on the INTER-NET by:

WA8ZHN
J.D. (Jim) MacMILLAN
2760 Gibson Dr.
Rocky River, OH 44116

NOTE: the symbol for section is not compatable in plain ascii and will be shown as (sect.) in 19 places

NOTE: underlining is a function of hardware or software and is omitted

A great effort was made to properly format and correct the errors made when this document after the printed copy was scanned into this ASCII format. If a photo-copy of the original is required for any reason, an S.A.S.E. for 8-1/2 x 11 sheets with 85 cents postage and $1.20 for copying will get it to you.

The A.R.R.L. also has a copy and may make it available.

As of October 11, 1990 we are submitting the brief to recover damages which are in excess of $8,000 just for legal costs. The extent which will be recovered is uncertain.

filed 90 sept 21 am11:26
clerk U.S. court
northern ohio district
cleveland

UNITED STATES DISTRICT COURT

NORTHERN DISTRICT OF OHIO

EASTERN DIVISION

JAMES D. MacMILLAN,) 1:87,CV 2820
)
Plaintiff,)
)
- vs -) ORDER
)
CITY OF ROCKY RIVER, et al.,)
)
Defendants.)

Battisti, J.

Before the court is Defendants' Motion to Dismiss and/or for Summary Judgment. Also before the court is Plaintiff's Motion for Partial Summary Judgment on Counts I and III of his Complaint.

Plaintiff James D. MacMillan ("MacMillan"), an amateur radio operator, licensed by the Federal Communication Commission, brings this action against the City of Rocky River, the Building Commissioner for the City of Rocky River ("Commissioner"), in his individual and official capacities, and the members of the Board or Zoning and Building Appeals of the City of Rocky River ("Board"), individually and in their official capacities, for denying, pursuant to certain City ordinances, his application to construct a thirty foot radio antenna system at his Rocky River residence. MacMillan seeks a declaratory judgment, injunctive relief and damages, based upon alleged violations of his rights under the United

States Constitution and relevant federal statutory law (1)

Jurisdiction in the federal district court is predicated upon these alleged violations of the United States Constitution and federal statutory law. 28 U.S.C. (sect.)(sect.) 1331, 1337 and 1343 (1982).

I. FACTS

On or about January 20, 1987, Plaintiff applied to the City of Rocky River for a building permit to construct a thirty (30) foot antenna system at his residence on Gibson Drive in Rocky River. On June 5, 1987, the Commissioner notified the Plaintiff in writing that his application for a building permit was denied based upon three grounds. First, the Plaintiff's proposed radio tower would exceed the maximum height allowance under section 1143.10(b) of the Codified Ordinances of the City of Rocky River. Section 1143.10(b) states in relevant part that:

> "broadcasting towers, radio... antennae... may be erected above the height limit for the district, subject to the following constraints:
>
> > (1) The height from the base of such structure, or the uppermost point at which such structure is attached to a building, to the top of such structure shall not be greater than the horizontal distance from the base of the structure to the nearest adjoining property

---

(1) Specifically, as an amateur radio operator, Plaintiff claims violations of his rights under the Communications Act of 1934, 47 U.S.C. (sect.) 151, et seq., and the rules and regulations of the Federal Communications Commission ("FCC") promulgated thereunder, 47 C.F.R. , Part 97.

> line.
>
> Codified Ordinances of the City of Rocky River (sect.) 1143.10 (Ord. 59-73, Passed July 23, 1973) (1985).

In addition, the Commissioner stated that Plaintiff failed to provide certain technical information necessary to reviewing the permit application. Finally, the Commissioner stated that the proposed radio tower was not necessary for the development of Plaintiff's property and would result in a substantial impairment of neighboring real estate values, thus justifying denial of the permit pursuant to section 1333.02 of the Codified Ordinance of the City of Rocky River. Section 1333.02 states that:

> Whenever application is made for a permit to construct or alter a building or structure within this City, and the Building Commissioner finds that the proposed building or structure is of such value, design, material or location that it will result in a substantial impairment or destruction of value in neighboring real estate, and if he further finds that the use of the particular design, material or location proposed, or substantially similar ones, is not reasonably essential to the development of the property proposed to be built or altered, the Building Commissioner shall refuse to issue the permit. He shall within five days notify the applicant of such refusal and the reason thereof.
>
> Codified Ordinances of the City of Rocky River (sect.)1333.02 (Ord. 3077, passed November 14, 1955) (1985).

Plaintiff appealed this determination to the Board. On or about August 13, 1987, the Board approved the

Commissioner's decision to refuse Plaintiff's application for a building permit.

On or about August 27, 1987 Plaintiff appealed the Board's decision to the Cuyahoga County Court of Common Pleas, pursuant to Ohio Rev. Code Ann. (sect.) 2506.01 (Anderson 1981 & Supp. 1989).(2) See James D. Macmillan, et al. v. the City of Rocky River, Ohio, et al. , Case No. 135089. On or about October 6, 1987, Plaintiff filed a Motion for Enlargement of Time with the Cuyahoga County Court of Common Pleas, requesting an extension until October 27, 1987, to file a Brief in Support of his Appeal. On or about October 27, 1987, Plaintiff filed a Motion to Stay Proceedings in that Appeal. On November 9, 1987, Defendants filed a Brief in Opposition to Plaintiff's Motion to Stay Proceedings in the Court of Common Pleas. Apparently, Plaintiff has, to date, filed no brief in support of his appeal in the court of common pleas.

On October 27, 1987, the same day Plaintiff filed his motion to stay proceedings in the court of common pleas, Plaintiff also filed the complaint in the instant case in federal court.

The complaint alleges six claims against the City, the Commissioner and the Board:

---

(2) (sect.) 2506.01 states that:

> Every... decision of any... board... or any political subdivision of the state may be reviewed by the common pleas court of the county in which the principal office of the political subdivision is located...

Count I --- Sections 1331.01, 1333.02, and 1143.11(b) of the City Ordinances contravene federal law on their face and as applied to Plaintiff, thereby violating Art. VI (sect.) 2 of the United States Constitution.

Count II --- Sections 1331.01, 1333.02, and 1143.11(b) are unconstitutional on their face and as applied, in that they unreasonably burden radio communications and interstate commerce, thereby violating Art. I (sect.) 8.

Count III --- sections 1331.01, 1333.02, and 1143.11(b) are impermissibly vague and overbroad, thereby violating the First and Fourteenth Amendments. In addition, Defendants failure to promulgate reasonable rules relating to the grant of permits deprives Plaintiff of equal protection and due process, in violation of the Fourteenth Amendment.

Count IV --- Sections 1331.01, 1333.02, and 1143.11(b) are void and unconstitutional on their face and as applied insofar as they constitute an invalid exercise of state police power.

Count V --- sections 1331.01, 1333.02, and 1143.11(b) are void and unconstitutional on their face and as applied in that they deprive Plaintiff of equal protection in the exercise of his constitutional rights, guaranteed by the Fourteenth Amendment.

Count VI --- Defendant commissioner and Board members conspired to and did, under color of State law, deny plaintiff his constitutional right to a fair hearing and of his rights

and privileges under the First and Fourteenth Amendments and by statute.

Plaintiff seeks declaratory and injunctive relief, as well as damages. The suit names as defendants the City of Rocky River, the Commissioner in his official and individual capacity, and the Board members in their official and individual capacities.

Defendants argue that the court should invoke the doctrine of abstention and decline to exercise jurisdiction. Alternatively, Defendants argue that Plaintiff's complaint should be dismissed in its entirety for failure to state a claim upon which relief can be granted, and/ or Defendants should be awarded summary judgement as a matter of law. Defendants also argue that the Commissioner and the Board members are protected from civil liability by qualified immunity, and therefore, the complaint against them in their individual capacity should be dismissed. Finally, Defendants argue that the Board members are not proper parties to the lawsuit, and thus, the court should dismiss all claims alleged against the members of the Board in their official capacity.

Plaintiff has moved for partial summary judgement on counts I and III.

II. ABSTENTION

The court finds no reason to abstain in the instant case. Noting that "[a]bstention from the exercise of federal

jurisdiction is the exception, not the rule," Colorado River Water Conservation Dist. v. United States, 424 U.S. 800, 813 (1976) and that absent "exceptional circumstances," County of Alleqheny v. Frank Mashuda Co. , 360 U.S. 185, 189 (1959), federal courts have "the virtually unflagging obligation.. . to exercise the jurisdiction given them, " Colorado River, 424 U.S. at 817, the Supreme Court has confined the circumstances appropriate for abstention to three general categories: (1) those that present "a federal constitutional issue which might be mooted or presented in a different posture by a state court determination of pertinent state law" ("Pullman" abstention) ; (2) those that present "difficult questions of state law bearing on policy problems of substantial public import whose importance transcends the result in the case then at bar" ("Burford" abstention) ; and, (3) those in which "absent bad faith, harassment, or patently invalid state statute, federal jurisdiction has been invoked for the purpose of restraining state criminal proceedings" ("Younqer" abstention). Colorado River, 424 U.S. at 815-816.

Defendants' brief argues that this court should abstain from ruling on Plaintiff's constitutional allegations under the Pullman line of cases. This argument, however, demonstrates a misunderstanding of the nature of that doctrine. Defendants claim that this court should withhold judgement until the Ohio courts have an opportunity to rule on the preemptive effect of the Federal Communications Commission's Memorandum Opinion and Order In the Matter of Federal Preemption of State and Local Regulations Pertaining to Amateur Radio Facilities, 50 Fed. Reg. 38813 (adopted September 16, 1985) (hereinafter referred to as "PRB-l").

While the preemptive effect of PRB-l will be discussed herein, it is enough to note at this time that preemption is not an unresolved question of state law of the type envisioned in the Pullman line of cases. Preemptive effect is, instead, a question of federal law, and thus, not a proper ground for Pullman abstention.

In addition, a federal court should only abstain under the Pullman doctrine where the state statute in question is uncertain. Babbitt v. United Farm Workers National Union, 442 U.S. 289, 306 (1979). In this instance, defendant has failed to indicate any way in which the relevant ordinances could be interpreted by Ohio state courts to avoid the constitutional questions raised in this action.

Burford abstention is also inappropriate in this case, as the state interest in local land use policy is insufficient to overcome the strong federal interest in promoting amateur radio operations. The Supreme Court stated in the Colorado river case that "the presence of a federal basis for jurisdiction may raise the level of justification needed for abstention." 424 U.S. at 815 n.2l. In issuing PRB-l, the FCC created "a limited preemption of state and local regulations which preclude amateur communications." 50 F.Reg. 38813. PRB-l states that:

> The ruling is necessary so that amateurs and local governing bodies alike will be aware of the strong federal interest in promoting amateur communication. The effect of the ruling is to give local communities and amateur operators a clear statement of the federal interest in amateur communications.
>
> Id. (emphasis added).

In addition, the ruling states that local ordinances "must be crafted to accommodate reasonably amateur communications" and to "represent the minimum practicable regulation to accomplish the local authority's legitimate purpose. " Id. at 38816. In light of this clear federal interest and the presence of at least partial preemption of local ordinances, it would be inappropriate for this court to abstain.

Several other federal courts have refused to abstain in cases similar to the one at hand. In Izzo v. Borough of River Edge, 843 F.2d 765 (3rd Cir. 1988), the plaintiff, an amateur radio operator licensed by the FCC, applied to the borough planning board for a variance to construct a forty foot transmission tower at his residence. After a hearing, the board denied the variance, and the applicant filed a complaint in district court alleging constitutional violations and an invalid exercise of the borough's police power. The court stated that while " [f]ederal courts have expressly disavowed any desire to sit as a statewide board of zoning appeals hearing challenges to actions of municipalities.. ., [t]he special circumstances here require that the district

court retain jurisdiction and adjudicate its dispute." Id. at 769. Among those "special circumstances" was that "an express, narrow, and quite specific federal provision threatens, at most, only a minimal disruption of a broad state policy." Id. See also Bodony v. Incorporated Village of Sands Point, 681 F.Supp. 1009, 1014 (E.D.N.Y. 1987) (finding abstention in such cases "inappropriate").

Accordingly, abstention is not warranted in the instant case.

III. STANDARD OF REVIEW

Defendants argue that this action should be dismissed pursuant to Fed. R. Civ. Proc. 12(b) (6) for failure to state a claim upon which relief can be granted or alternatively that summary judgment should be granted. The court will treat Defendant's motion as one for summary judgment, as matters outside the pleadings are presented to and not excluded by the court. Fed. R. Civ. P. 12 (b). The granting of summary judgment is proper "if the pleadings, depositions, answers to interrogatories, and admissions on file, together with the affidavits, if any, show that there is no genuine issue as to any material fact and that the moving party is entitled to a judgment as a matter of law." Fed. R. Civ. P. 56(c) ; see Celotex Corp. v. Catrett, 477 U.S. 317 (1986). In considering the propriety of a motion for summary judgment, the court must view all facts and inferences in a light most favorable to the

nonmoving party. Securities and Exchange Commission v. Blavin, 760 F.2d 706, 710 (6th Cir. 1985).

"The moving party has the burden of showing the absence of genuine disputes over facts which, under the substantive law governing the issue, might affect the outcome of the action." Harris v. Adams, 873 F.2d 929, 931 (6th Cir. 1989) (citing Anderson v. Liberty Lobby, Inc. ., 477 U.S. 242 (1986)). The nonmoving party, on the other hand, "is required to present some significant probative evidence which makes it necessary to resolve the parties' differing versions of the dispute at trial." 60 Ivy Street Corp. v. Alexander, 822 F.2d 1432, 1435 (6th Cir. 1987) (citing First Nat'l Bank of Arizona v. Cities Serv. Co., 391 U.S. 253, 288-89 (1968)). The nonmoving party must go beyond the pleadings "and by her own affidavits, or by the depositions, answers to interrogatories, and admissions on file, ' designate specific fact showing that there is a genuine issue for trial." Celotex Corp. , 477 U.S. at 324.

III. PRECLUSION

Plaintiff seeks summary judgement in this case on the ground that the local ordinances in question, both as written and applied, are preempted by PRB-l, and thus, may not be enforced without violating the Supremacy Clause of Article IV, section 2 of the United States Constitution. "Federal preemption is premised on the Supremacy Clause and

manifestation of Congressional intent to exclude state law." Bulchis v. City of Edmonds, 671 F. Supp. 1270, 1273 (W.D. Wash

1987) (citing Chicago & North Western Transportation Co. v. Kalo Brick & Tile Co., 450 U.S. 311, 317 (1981)). As "[f]ederal regulations have no less preemptive effect than federal statutes, " Fidelity Fed. Sav. & Loan Ass'n v. De La Cuesta, 458 U.S. 141, 153 (1982), the FCC has the power to preempt local ordinances which conflict with federal policies. The FCC issued PRB-l pursuant to its power to "make such rules and regulations, and issue such orders, not inconsistent with this chapter, as may be necessary in the execution of its functions. " 47 U.S.C. (sect.) 154(i).

It must be noted initially that this court need not even consider the possible preemption of (sect.) 1143.11(b), as it is the court's opinion that there is no violation of that ordinance as drafted. Where a "state's highest court has not spoken to the question in controversy, the federal court must discern how the state courts would respond if confronted with the question. " Hartford Fire Ins. Co. v. Lawrence, Dykes, Goodenberger, Bower & Clancy, 740 F.2d 1362, 1365 (6th Cir. 1984). Neither party has identified any instance in which the Supreme Court of Ohio has had the opportunity to interpret (sect.) 1143.11(b). Certainly, defendant has shown no state court support for the Commissioner's interpretation of the ordinance. See Deposition of Kevin Beirne, at 78-83. "Under Ohio law, " [i]t is a cardinal rule that a court must first look to the language of the statute itself to determine the legislative intent. ... If that inquiry reveals that the statute conveys a meaning which is clear, unequivocal and definite, at that point the interpretive effort is at an end and the statute must be applied accordingly. ' " Id. at 1365 (citing Provident Bank v. Wood, 36 Ohio St.2d 101, 105-06, 304 N.E.2d 378 (1973)).

The Sixth Circuit has also stated that in the absence of state authority, federal courts must be "guided by applicable principles of state law and by relevant decisions of other jurisdictions." Aims v. State Farm Fire & Casualty Co. , 731 F.2d 1245 (1984). The Supreme Court of Ohio has stated:

> This court has long held that statutes imposing restrictions on the use of private property must be strictly construed. ... All doubts should be resolved in favor of the free use of private property rather than in favor of restrictions on such use.
>
> Gennari v. Andres-Tucker Funeral Home, Inc. , 21 Ohio St. 3d 102, 488 N.E.2d 174, 177 (1986).

See also Pinnacle Woods Survival Game, Inc. v. Hambden Township Zoning Inspector, 33 Ohio App. 3d 139, 514 N.E.2d 906, 908 (1986) (stating that "[s]tatutes or ordinances which impose restrictions upon the use of private property will be strictly construed and their scope cannot be extended to include limitations not therein clearly proscribed") ; and Cicerella, Inc. v. Jerusalem Township Bd. of Zoning Appeals, 59 Ohio App. 2d 31, 392 N.E.2d 574, 577 (1978) (stating that "[i]n determining the permitted use of property under a zoning

Classification in which terms and language therein are not otherwise defined, the common and ordinary meaning of these terms and language must be considered, liberally construing the terms and language in favor of the permitted use so as not to extend the restrictions to any limitation of use not therein clearly prescribed").

The plain language of the (sect.) 1143.11(b) allows for two methods of measuring antenna height. An antenna may either be measured from its base to its top, or from the uppermost point at which it is attached to a building to its top. As long as either of these measurements is shorter than the distance from the base of the antenna to the nearest adjoining property line , there is no violation of the ordinance. Plaintiff's thirty foot antenna will be attached to the building at a height of twelve feet and will be between twenty-seven and thirty feet from the nearest adjoining property line. Since there is no violation of the ordinance as drafted this court need not examine the question of preemption.

The court now turns to the possible preemption of (sect.) 1333.02.(3) In issuing PRB-l, the FCC attempted to reach an Accommodation between the federal interest in regulating amateur radio operators and the state interest in regulating

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(3) The court will not consider plaintiff's challenge of (sect.)1331.01. Since plaintiff appealed the decision of the Commissioner, he was properly before the Board regardless of the filing of a protest under (sect.) 1331.01.

land use. PRB-l describes the conflict as follows:

> Few matters coming before us present such a clear dichotomy of viewpoint as does the instant issue. The cities, counties, local communities and housing associations see an obligation to all of their citizens and try to address their concerns. This is accomplished through regulations, ordinances or covenants oriented toward the health, safety and general welfare of those they regulate. At the opposite pole are the individual amateur operators and their support groups who are troubled by local regulations which may inhibit the use of amateur stations or, in some instances ,totally preclude amateur communications.
>
> 50 Fed.Reg. at 38815.

PRB-l determines that a limited preemption policy is warranted, and states:

> Because amateur station communications are only as effective as the antennas employed, antenna height restrictions directly affect the effectiveness of amateur communications. Some amateur antenna configurations require more substantial installations than others if they are to provide the amateur operator with the communications that he/she desires to engage in. . .. We will not, however specify any particular height limitations below which a local government may not regulate, nor will we suggest the precise language that must be contained in local ordinances, such as mechanisms for special exceptions, variances, or conditional use permits. Nevertheless, local regulations which involve placement, screening, or height of antennas based on health, safety, or aesthetic considerations must be crafted to accommodate reasonably amateur communications, and to represent the minimum

> practicable regulation to accomplish the local authority's legitimate purpose.
>
> Id. at 38816.

The court concludes that (sect.) 1333.02 is not facially invalid since it provides a sufficient structure for balancing state and federal interests as required by PRB-l. By its

terms the ordinance provides for a balancing of the effect of an improvement on neighboring property values against the reasonable need for the improvement to develop the property. As interpreted by Defendant, however, reasonable need in this situation involves reasonable need for the particular antenna to carry on effective communication of the type desired. See Defendant' Brief in Opposition to Plaintiff's Motion for Partial Summary Judgement, at 16. Interpreted as such, the ordinance could be applied to give reasonable consideration to both the city's local interests and Plaintiff's federally protected interest in amateur radio operation.

The court concludes, however, that the City of Rocky River did not apply the ordinance in such a way as to provide for the reasonable accommodation of amateur radio communications, and therefore, its ability to apply (sect.) 1333.02 as it did in this action is preempted by PRB-l.

It is only too clear from the depositions of Building commissioner Beirne and Gordon Stofer, a member of the Board of Zoning and Building Appeals, that neither the Commissioner, nor the Board had more than a cursory understanding of PRB-l and its requirements. Despite this, the City's actions might still be held legitimate if the decision making process included a reasonable accommodation of the federal government ' s interest in amateur radio communications. Evidence of such an accommodation, however, is totally lacking.

The Commissioner's letter of June 5, 1987 denying Plaintiff's application for a building permit was largely conclusory. There was no indication in the letter that the Plaintiff's needs for adequate communication had been adequately considered. This combined with the Commissioner's obvious lack of understanding of radio communications at the time of his deposition indicates that concerns over property values and neighbors protests may have predominated in the decision making process.(4) The Board ' s verbal affirmance of the Commissioner's decision, unsupported as it is by any written opinion, fails to show any attempt to accommodate federal interests. Quite simply, there is nothing in the record to indicate that federal interests in amateur radio operation were sufficiently considered, or for that matter even adequately understood, by either the Commissioner or the Board.

Due to the court's holding on preemption, the plaintiff's second ground for summary judgement need not be considered.

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[4] The third ground for the Commissioner's denial of a building permit was the Plaintiff's failure to submit certain technical documents. While the City of Rocky River clearly has the right to require applicants for building permits to submit all necessary technical documents, the Plaintiff has raised the point that the Commissioner's first mention of some of these documents was in the letter denying the permit. It is somewhat unclear from the record the extent to which the Plaintiff met the statutory requirement for a permit. It is unnecessary, however, for the court to reach this point, since the Board's verbal affirmance of the Commissioner's decision was based upon the effect of the antenna on property values and the Plaintiff's need for the antenna.

The only issue remaining is that of damages.

IV. DAMAGES

Defendant claims that due to the availability of qualified immunity all claims for damages against the Commissioner and members of the Board in their individual capacities should be dismissed. The Supreme Court of the United States has recognized that "permitting damages suits against government officials can entail substantial social costs, including the risk that fear of personal monetary liability and harassing litigation will unduly inhibit officials in the discharge of their duties." Anderson v. Creighton, 483 U.S. 635, 638 (1987). In light of this danger, he Court has "generally provid[ed] government officials performing discretionary functions with a qualified immunity, shielding them from civil damages liability as long as their actions could reasonably have been thought consistent with the rights they are alleged to have violated." Id. (citing Malley v. Briggs, 475 U.S. 335, 344-45 (1986), for the proposition that "qualified immunity protects all but the plainly incompetent or those who knowingly violate the law ' ").

The applicability of qualified immunity turns on the "objective legal reasonableness" of the government official's action "assessed in light of the legal rules that were clearly established' at the time it was taken. " Id. (citations omitted). "On summary judgement, the judge appropriately may

determine, not only the currently applicable law, but whether that law was clearly established at the time an action occurred. If the law at that time was not clearly established, an official could not reasonably be expected to anticipate subsequent legal developments, nor could he fairly be said to know' that the law forbade conduct not previously identified as unlawful." Harlow v. Fitzgerald, 457 U.S. 800, 818 (1982) (footnote omitted).

As noted previously, the case at hand turns largely on the extent to which PRB-l preempts enforcement of the local ordinances in question. While PRB-l indicated that local regulations "must be crafted to accommodate reasonably amateur communications, and to represent the minimum practicable regulation, " it also refused to "specify any particular height limitation below which a local government may not regulate" and declined to "suggest the precise language that must be contained in local ordinances." 50 Fed. Reg. at 38816.

In light of this vague language, the court holds that Plaintiff's rights under PRB-l were not sufficiently clear that a reasonable government official should have known that enforcement of the ordinances in question would be violative of those rights. The conduct of the Commissioner and the members of the Board is held to be objectively reasonable, thus entitling them to qualified immunity from damages.

Plaintiff is instructed to submit a brief within twenty days of the entry of this order detailing the grounds and Basis for any further claims for monetary damages. Defendant may respond within ten days thereafter.

IV. CONCLUSION

Accordingly, Defendant's motion for summary judgement is GRANTED to the extent that (sect.) 1333. 02 and 1143. 10 (b) are held to be facially valid, and the Commissioner and members of the Board are found to have qualified immunity from damages. Plaintiff's motion for summary judgement is GRANTED to the extent that the process employed by the City in denying his application to erect his antenna is declared invalid.

IT IS SO ORDERED.

Frank J. Battisti
United States District Judge

From -1137446666305433689
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b24722f3419f04f8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-03 01:39:03 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!hubcap!bjb
From: bjb@hubcap.clemson.edu (BJ Backitis)
Newsgroups: rec.ham-radio
Subject: Thanks for K1EA info
Message-ID: <11367@hubcap.clemson.edu>
Date: 2 Nov 90 19:29:00 GMT
Organization: Clemson University, Clemson, SC
Lines: 25
Posted: Fri Nov 2 20:29:00 1990

I just wanted to thank everyone who commented on the K1EA software, either by e-mail or by posting. I've decided that it was worth checking out for myself, so I've ordered a copy... I guess we'll see after I get it and have a chance to work with it some!

I was also glad to see some sort of a contest discussion thread start... after reading code/no-code and related stuff for quite some time, it was nice to see something different! I've been involved in a couple of Field Day setups and the ARRL 10m contest a few years back, but nothing very serious. If my upcoming week-off vacation provides good weather conditions, I hope to be doing some radio and antenna work to get my gear working properly, and I'll give some serious attention to DX and contesting (at least, as much as one can with a quasi-grounded HF6V vertical and 100watts!).

73 de BJ, KM4RB

(and still working on 20wpm...)

```
--
BJ Backitis (KM4RB)       | BJB@CLEMSON.BITNET     | "There are a great many
Info. Systems Development | BJB@HUBCAP.CLEMSON.EDU | people in this country
Clemson Univ. Division of | {...}!emory!hubcap!bjb | who, through no fault of
Comp. & Info. Technology  | All usual disclaimers  | own, are sane."
```

From 1581684764411074447
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17b74b31b6873f53,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-03 05:33:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!think.com!yale!venus!yalevm!maine!dow
From: DOW@MAINE.BITNET (Michael R. Dow)
Newsgroups: rec.ham-radio
Subject: R.L. Drake Company info needed!
Message-ID: <90307.083350DOW@MAINE.BITNET>
Date: 3 Nov 90 13:33:50 GMT
Organization: University of Maine System
Lines: 11
Posted: Sat Nov 3 14:33:50 1990

Does anyone out there in net-land know if the R.L. Drake company will repair their radios? And, if so, how do I contact them? (Phone number would be appreciated, as well as address...)

Help! My TR-4C is feeling rather ill...

Michael R. Dow
KA1WMB
Dow@Maine.Maine.edu

From 8694407093579785506
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,787ea352d8988ddd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-03 05:39:10 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!hplabs!hpcc05!aspen!laubach
From: laubach@aspen.IAG.HP.COM (Mark Laubach)
Newsgroups: rec.ham-radio
Subject: Kenwood TH-77A is here!
Message-ID: <3080012@aspen.IAG.HP.COM>
Date: 2 Nov 90 16:06:31 GMT
Organization: HP Information Architecture Group - Cupertino, CA
Lines: 49

Posted: Fri Nov 2 17:06:31 1990

Well, I saw the Kenwood TH-77A adds in QST and CQ last week, so I called up AES and asked what the scoop was on availability. They said that no one in the US had any stock, but offered to take my order and visa card number. Since the Kenwood rep at Pacificon told me three weeks ago that it would be 3-4 *months* before we saw it, I figured the AES order might come through by Xmas. Surprised me, I got had it on the doorstep when I got home yesterday. (This doesn't say much for the Kenwood rep's repuation.)

I haven't had enough time to really play with it yet. However, I've got some cursory comments:

- it is cute
- it is the same size as the TH-26
- lot's of tiny buttons and I've got large fingers
- PL encoder is already in the unit
- the worst manual I've seen out of Kenwood, they must have rushed it, there are lot's of features but not one clear explanation of what what they really are.
- the 2m receiver seems to pickup a more noise (e.g., cross-modulation and/or computer harmonics) than the TH-26. First impression.
- the main and sub channels have their own volume controls, however the UHF and VHF have fixed squelch controls. The VHF is located under the SUB volume knob, the UHF under the MAIN volume knob.
- keyboard toggle-able transmit lock (I'm glad to see this back)
- push on, push off power switch located above the MONI switch
- keyboard selectable transmit power levels
- DTMF keyboard buttons light in addition to the display
- microphone and 13.8 VDC in are on the top of the radio
- the function id's on the display are *very* tiny and hard to read
- the SHIFT (+/-/s) button is a one-push, the REV button is the function shift of the SHIFT button. Personally, I need the REV button a lot more than I need the SHIFT button and wished they would have done it the other way around.
- They ship a PB-10 with the TH-26, the TH-77 manual describes the PB-10 charging, but they shipped a PB-6 with its different charger with the new radio. The PB-10 can only be charged from a wall charger, the PB-6 has a special charger head that fits over the battery, in addition it also drops into the BC-10/11.

Well, that's about all I've had time to disgest. I've got to go through the manual and try to translate it out into some operational sense.

BCNU,

Mark
N3BMN

From -7628020044851966474
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e865cb0977d70662,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-03 07:04:26 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!hpspkla!summers
From: summers@hpspkla.spk.hp.com (Jim B. Summers)
Newsgroups: rec.ham-radio
Subject: Re: MININEC
Message-ID: <4630019@hpspkla.spk.hp.com>
Date: 2 Nov 90 21:10:02 GMT
References: <35484@cup.portal.com>
Organization: Hewlett Packard Company, Spokane, Wa.
Lines: 22
Posted: Fri Nov 2 22:10:02 1990

Chris,

The input impedance of a half wave dipole is 73+j42.5 ohms. This assumes no losses in the conductors, free space and I believe that the conductors are of a diameter that is negligable compared to the wavelength (its been years since I went through the math to compute this). I don't know anything about MININEC so I cannot help you there, but 80+j40 is close and MININEC may take some of the real world quantities such as conductor diameter and conductor loss into account.

If it is the +j40 that is confusing the issue here, it comes from the fact that there is energy storage in the near field of the antenna. In typical amateur applications we usually tune the antenna length to get a match to 50 ohms. This occurs (or comes closest to occuring) when the dipole is shorter than a half wave. At that point the reactive part of the impedance is near zero and the impedance is a bit above 50 ohms (if my memory serves me correctly). I don't have any of my college texts or an ARRL handbook handy to confirm this at the moment so you might check the handbook.

Jim Summers, KD7F

From 5584093122419192411
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1426c08e283d871,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-03 07:04:59 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!hplsla!charlier
From: charlier@hplsla.HP.COM (Charlie Panek)
Newsgroups: rec.ham-radio
Subject: Re: K1EA CT Software queary
Message-ID: <5720082@hplsla.HP.COM>
Date: 2 Nov 90 18:14:06 GMT

References: <11158@hubcap.clemson.edu>
Organization: HP Lake Stevens, WA
Lines: 26
Posted: Fri Nov 2 19:14:06 1990

>/ rec.ham-radio / reisert@ricks.enet.dec.com (Jim Reisert) writes:
>In article <11158@hubcap.clemson.edu>,
>   bjb@hubcap.clemson.edu (BJ Backitis) writes...
>>
>>A query to anyone who has used the K1EA CT software (as mentioned in the
>>July 90 QST, among other places):
>>
>>1. Is it set up to handle exchanges such as those required by the
>>upcoming ARRL 10meter contest (Dec 8-9)? What other contest events can
>>the software handle?
>
>No, use K8CC's NA for that and the following additional contests:
>
>   NCJ North American Sprint
>   NCJ North American QSO Party
>   IARU HF Championship
>   ARRL November Sweepstakes
>   ARRL 160 Meter Contest
>   CQ 160 Meter Contest
**And you forgot:
       ARRL Field Day

Charlie Panek (UUCP: hplabs!hp-pcd!hplsla!charlier)
KX7L   (domain: charlier@lsid.hp.com)

From -5874937228186102300
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b0c73fa0a538956
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-03 07:25:30 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!sdd.hp.com!hp-pcd!hpspkla!summers
From: summers@hpspkla.spk.hp.com (Jim B. Summers)
Newsgroups: rec.ham-radio
Subject: Re: IC-745
Message-ID: <4630018@hpspkla.spk.hp.com>
Date: 2 Nov 90 20:35:28 GMT
References: <9010291342.AA21093@ucsd.edu>
Organization: Hewlett Packard Company, Spokane, Wa.
Lines: 24
Posted: Fri Nov 2 21:35:28 1990

Just a point concerning what is contained in the battery backed RAM
of the ICOM radios: There is no actual operating code in this RAM.

There is however frequency information that determines where the ham bands are. This information is contained in the lower 256 bytes of the 1KX4 ram in BCD format. Apparently when the microprocessor realizes that there is corrupt data in this area of ram the radio ceases to function.

The lower 256 bytes of the ram are write protected, however one of the pins on one of the connectors will enable writing to these memory locations. When I first found out about this FEATURE of my 751, I called ICOM and asked for a schematic of the ram board, which they supplied without delay. I built up a little board so that I could suck the information out of the ram board and store it on disk so thatawhen the battery failed I could put it back. That was back in 1985, and I have since changed computers so I imagine that excersize probably will be of little use when the battery does fail.

I am curious to learn if any of the backup batteries have started to fail in any of these radios. As I recall, the 745, 751, 271 and 471 all had this ram board feature. If yours has, please post a response and mention how old it is. Icom was saying 7 years was the expected life of the battery, and I am wondering how nervous I should be at this point.

Jim Summers, KD7F

From -2379130207489901337
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,89043292505929ff,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-03 07:49:53 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!HICKAM-EMH.AF.MIL!1843eie
From: 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE")
Newsgroups: rec.ham-radio
Subject: Covenants, Callsigns, and Congress
Message-ID: <9011022250.AA19798@uunet.uu.net>
Date: 2 Nov 90 22:52:36 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 91
Posted: Fri Nov 2 23:52:36 1990
X-Unparsable-Date: 2 Nov 90 12:53:00 GMT-10:00

INTEROFFICE MEMORANDUM

Date: 2-Nov-1990 12:48pm HST
From: 1843EIG/EIE
1843EIE
Dept: 1843EIG/EIE
Tel No: 656-1158

TO: Remote Addressee (_INFO-HAMS%UCSD.EDU@UUNET.UU.NET)

Subject: Covenants, Callsigns, and Congress

Yesterday's _Honolulu Star-Bulletin_ had a slick four-color brouchure in it advertising the final increment of Mililani, one of O'ahu's most notorious anti-antenna developments. In the back, there was a section about the homeowner's association:

Mililani Town Association

"An integral part of the community since its first meeting in 1969, the Mililani Town Association serves as a built-in business manager for all Mililani property owners.

"'Our prime responsibility is overseeing the upkeep of the community and maintaining overall values,' explains Mililani Town Association Board President Eric Matsumoto, now in his seventh year in the post. 'Basically MTA conducts all the management activities of a business except our product is Mililani.'

"Every property owner is an automatic member of MTA and all homeowners are assessed $12/month per household for dues.

"Under the direction of MTA Executive Vice President/Manager Mary Treuhaft, MTA employs a full-time staff of 30 including 15 administrative staff members and 15 maintenance workers and groundskeepers.

"By charter, MTA is responsible for the upkeep and maintenance of all common areas in Mililani, and the upkeep and operation of all community recreation centers and facilities (list deleted).

"Treuhaft and her staff are also charged with the ongoing enforcement of extensive design covenants and rules of conduct that have been put in place to ensure the planned beauty of Mililani."

(remaining sales text deleted)

Well, there you have it. They don't hide their CC&Rs, they're *proud* of them! Unfortunately, as long as Hawai'i continues to be a sellers', rather than buyers', market, there's little hope of getting around this.

BTW, the developer of Mililani is an outfit called Oceanic Properties, Inc. The main O'ahu CATV company is called Oceanic Cable. Don't know if there's a connnection, but I'd bet a coupla beers on it :-).

Those of you wishing to express a opinion about Mililani's CC&Rs may contact:

Mililani Town, Inc.
95-102 Lalei Place
Mililani, Hawai'i 96789
(808) 623-2821

-...-

Seen on the inter-island ramp at Honolulu International yesterday:

A 737-100 in British Airways colors (navy blue/gray), except for the
Aloha Airlines' orange script "Aloha" along the top of the fuselage.

Tail number/callsign: "G-BADP" !

What I want to know is how did it manage to get here...anyone know the
ferry range of a 737-100?

-...-

And finally....

>You put it very well, and I concur completely except for your fear of Congress.

>We have the best Congress money can buy. [:-(

Or, to put it another way, "No man's life, liberty, or property is safe while
Congress is in session" - Mark Twain (or maybe Will Rogers)

73,
Jeff Miller, WD6CQV/KH6   AFA8JM
1843EIE"at"HICKAM-EMH.AF.MIL
Usual disclaimers, of course!

From -2331896429198803720
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3328cb8f55165106
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-03 08:03:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!cs.utexas.edu!asuvax!anasaz!qip!
john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters
Message-ID: <5326@qip.UUCP>
Date: 3 Nov 90 16:03:22 GMT
References: <1488@ke4zv.UUCP> <1990Oct31.201511.21053@ux1.cso.uiuc.edu>
<1497@ke4zv.UUCP>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 21
Posted: Sat Nov 3 17:03:22 1990

In article <1497@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
]I'd call this an open machine with LID filtering. :-)
]It doesn't seem practical as a chat machine what with all the individualized
]codes required to key it. It would be a practical way to control patch
]access though. As you probably know, I'm not keen on non-emergency autopatch.

There is a very practical way to control patch access, and it has the advantage
of being legal and required at all times except for emergency traffic:

control operators.

I am curious how many patches there are in the land with full time control
operators, as required by regulation. I suspect that very few autopatches
actually have control operators [and, that includes remote means that
the user himself could employ to be the control operator - on a different
frequency than the repeater itself].
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From 6763657167630423074
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a462818b925d04f1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-03 10:18:03 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!greenba
From: greenba@gambia.crd.ge.com (ben a green)
Newsgroups: rec.ham-radio
Subject: Computer-aided code instruction
Message-ID: <GREENBA.90Nov2192413@gambia.crd.ge.com>
Date: 3 Nov 90 00:24:13 GMT
Sender: news@crdgw1.crd.ge.com
Distribution: rec
Organization: GE Corporate Research & Development
Lines: 23
Posted: Sat Nov 3 01:24:13 1990

The best way I know to (1) learn the code or (2) increase your speed
is the program pair QRS/QRQ available as shareware. The unique feature
of these programs is that they not only send you random letters, they
listen to what you copy on the keyboard. Then they give you a score.

QRS sends a letter and waits for you to type the correct answer.
It times you for 30 letters and computes your copying speed.

QRQ sends a stream of letters and lets you "copy behind". If you get
30 letters correct, it sends you a ROGER and raises the speed 0.1 wpm.
Any error makes it reduce the speed 0.1 wpm. Just sit back and copy,
and the program adjusts to the best practice speed for you.

These programs are addictive!

Available from Public Brands Software, 317-856-2087, on ham radio
disk HR12.0 -- along with some other interesting programs.

--
Ben A. Green, Jr.

Q: What shall we do about ignorance and apathy?
A: I don't know and I don't care.

From 8590247291284306059
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a462818b925d04f1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-03 10:19:44 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!greenba
From: greenba@gambia.crd.ge.com (ben a green)
Newsgroups: rec.ham-radio
Subject: Re: Computer-aided code instruction
Message-ID: <GREENBA.90Nov2192753@gambia.crd.ge.com>
Date: 3 Nov 90 00:27:53 GMT
References: <GREENBA.90Nov2192413@gambia.crd.ge.com>
Sender: news@crdgw1.crd.ge.com
Distribution: rec
Organization: GE Corporate Research & Development
Lines: 8
Posted: Sat Nov 3 01:27:53 1990
In-reply-to: greenba@gambia.crd.ge.com's message of 3 Nov 90 00:24:13 GMT

Better telephone number for Public Brand Software:

1-800-426-3475

--
Ben A. Green, Jr.
Q: What shall we do about ignorance and apathy?
A: I don't know and I don't care.

From -1824469426699251994
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-03 12:29:42 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!uwm.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov3.000411.19469@ux1.cso.uiuc.edu>
Date: 3 Nov 90 00:04:11 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct28.185659.11837@NCoast.ORG> <463@ssc.UUCP>
<1990Oct30.195918.11041@portia.Stanford.EDU> <1990Nov1.171046.21620@dcdwest.uucp>
Organization: University of Illinois at Urbana
Lines: 26
Posted: Sat Nov 3 01:04:11 1990

plb@dcdwest.uucp (Phil Blais) writes:

>Please keep track of how many courses you are REQUIRED to take there at
>Stanford (assuming ur a student). In abt 20 years please post to the net
>how many of those (forced) learned skills you are or are not using. If
>you find that you are not using most or all of them does it also follow
>that Stanford as well as all other universities etc. which require certain
>minimum requirements to obtain a diploma are also "from a utilitarian
>standpoint" immoral and possibly criminal? (-;

Bad analogy!! And we have gone over this one before.

There is more than one university or college of higher education. In fact there are so many choices, it boggles the mind. Your choice of educational curriculum exists. If you don't like what Stanford requires, choose some other one.

For access to the ham radio spectrum, there is only ONE have radio and only FIVE classes within it. And **ALL** of them have the same code requirement.

In fact we "no coders" are actually trying to make a choice available just like there is in higher education.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From -8950982555143893148
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2ac93f984e59fe87,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-03 14:07:19 PST
Path: gmdzi!unido!mcsun!uunet!seismo!ukma!usenet.ins.cwru.edu!tut.cis.ohio-
state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes 11/2/90
Message-ID: <1895@n8emr.UUCP>
Date: 3 Nov 90 22:07:19 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 177
Posted: Sat Nov  3 23:07:19 1990
```

```
==============================================================
|         Relayed from packet radio via                 |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ ALLBBS $RTDX1102
RTTY DX Notes 1of3 11/2/90

RTTY DX Notes for week ending 2nd November 1990
BID: $RTDX1102
Part 1 of 3.

I was going to write something about AMTOR operation, but could not do it under about 5,000 bytes. The mind boggles over some of the descriptions bandied over the air, so I went and read my books again. They don't agree with what has been said over the air, so maybe my books are wrong. Or maybe some other people should read some books, especially after page 4.

Our thanks this week go to I5FLN, JA1BLV, OD5NG, TG9VT, VE3XJ, VK2EG, W2JGR and the Tri-State DX Packet Cluster Network. Thank you all for your good information.

Bandpass:

Friday 26:

CY9CF	14083	at	0001Z	QSL
4U1ITU	14086	at	0002Z	
UB4CO	14086	at	0700Z	
D68VT	21088	at	1830Z	QSL
6W6JX	21084	at	2120Z	
JX7DFA	14089	at	2300Z	QSL
EA9MY	14082	at	2340Z	

Saturday 27:

D68VT	14087	at	0313Z	
FR5DL	14074	at	0321Z	ARQ
ZK1AP	14083	at	0346Z	QSL
UY5YB	21086	at	1257Z	
UZ3AYR	28084	at	1456Z	
9J2BO	28092	at	1600Z	
Z21GU	28092	at	1647Z	
5V7DP	28086	at	1735Z	
SV0GB	21090	at	1742Z	
KP2BH	28086	at	1750Z	QSL

Continued in part 2.
/EX
SB RTTYDX @ ALLBBS $RTDX1102A
RTTY DX Notes 2of3 11/2/90

RTTY DX Notes for week ending 2nd November 1990
BID: $RTDX1102A
Part 2 of 3.

Sunday 28:

```
FR5DL       14073  at  0315Z  ARQ
KP2N        14086  at  0322Z  QSL
VP8BFH      14080  at  0340Z  QSL
5W1KT       21075  at  0357Z  ARQ
9H4B        14075  at  0530Z  FEC
XX9JN       14075  at  0732Z  ARQ
SU1ER       21079  at  1600Z  ARQ
TU2BB       21076  at  1615Z  ARQ
CU3AY       28090  at  1640Z
Z21GU       28092  at  1700Z
DF3DS/ST    14076  at  1800Z  ARQ
V51P        21086  at  1803Z
EA7DV/8     21087  at  1817Z

Monday 29:
JX7DFA      14090  at  0636Z
UC2OF       14093  at  0930Z
EA6MP       14091  at  1147Z
XX9JN       14072  at  1339Z  ARQ
CN8YP       28092  at  1402Z  QSL
ZD8BOB      21074  at  1733Z
UW0LZ       28087  at  2348Z

Tuesday 30:
TU2BB       14076  at  0015Z  ARQ
6Y5EW       14074  at  0032Z
CN2JF       14086  at  0127Z  QSL
V73BN       21074  at  0426Z  ARQ/QSL
RB0HZ       14088  at  0609Z
UY5YB       14086  at  0614Z
TL8A        21074  at  1410Z
FR0P        21091  at  1448Z  QSL

Wednesday 31:
ZK1AP       14085  at  0414Z
DF3DS/ST    14074  at  0430Z  FEC
FR0P        21093  at  1453Z
LY1BZB      21086  at  1503Z
5B4XA       14084  at  2143Z
EA6PZ       14086  at  2148Z
J88BP       14088  at  2245Z
PJ9W        14083  at  2355Z  QSL

Thursday 1:
AL7BB       14087  at  0404Z
ZK1AP       14079  at  0657Z  ARQ
EA9MY       14089  at  0810Z
```

Continued in part 3.

```
/EX
SB RTTYDX @ ALLBBS $RTDX1102B
RTTY DX Notes 3of3  11/2/90
```

RTTY DX Notes for week ending 2nd November 1990
BID: $RTDX1102B
Part 3 of 3.

QSL Information:

D68VT says to QSL via K5VT.

JX7DFA will QSL via Per-Einar Dahlen, Romoslia 58, 7029 Trondheim, Norway.

ZK1AP is Pierre Asselin At Box 494 Rorotonga, Cook Islands.

KP2N collects his cards via WA4WIP.

KP2BH is ok in the Callbook.

VP8BFH is via Box 60, Port Stanley, Falkland Islands, though a little hard to get cards from him.

CN8YP is via FDXF or F6FYP.
CN2JF is via WA0RJY.

FR0P says send cards via F6BFH.

PJ9W is OH2BGD when he is at home.

CY9CF (the shortest DXpedition on record) will collect his card from Box 4204, F-97500, St Pierre Et Miquelon Is., via Canada.

V73BN says to QSL via Box 8147, APO San Francisco, CA 96557.

Notes of Interest:

V73BN says that he will be QRV most days around 1100 to 1200Z. He may also be around at 0430Z some days. He is looking for AMTOR contacts.

Malpelo Island should be active now, though nothing has been heard at the time of writing these notes. QSL to HK3DDD.

Marianas Islands, KH0AM should be active at this time, again nothing heard. QSL via JE1CKA.

Banaba Is. T33T will be active from November 7th to November 21st, all bands. QSL to OH3GZ. Also, KIYO (ex-ZK3KY) will be active from there as we write these notes.

Juan Fernandez. CE0ZZZ should show up from November 10th until the 18th of November according to F2JD, who is one of the operators.

St Pauls CY9 appeared for about 4 hours. Nothing has been heard
since.

GL DE DX1.

Written by VK2SG. Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA.
Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.
/EX

```
From 1454103745575658703
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12c1b76d6f9f87b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-03 14:10:32 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!
cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: IRDXA 11/90 Bulletin
Message-ID: <1896@n8emr.UUCP>
Date: 3 Nov 90 22:10:32 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 59
Posted: Sat Nov  3 23:10:32 1990
```

```
==============================================================
|         Relayed from packet radio via                   |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTY @ ALLBBS $IRDX1190
IRDXA 11/90 Bulletin

BID: $IRDX1190

IRDXA Project Status Report 11/90

The International RTTY DX Assoc (IRDXA) provides RTTY equipment to
DXpeditions and resident amateurs willing to provide contacts from
rare DXCC countries.

Comoros - By now everyone should have worked Vince Thompson K5VT as
D68VT. He had some trouble with a Telereader, but we solved it with a
TV set obtained locally.

Thailand - RTTY is still not authorized. IRDXA PK-232 will be active
at HS1AC (Science Museum) when RTTY is legal.

Tristan De Cunha - Andy, ZD9BV and his bride ZD9CO are both active.
Listen to his Wed/Sun sked with W4FRU on 28466 at 1700.

Rodriguez - 3B9FR made a few contacts with his IRDXA RTTY GEAR but has
been very scarce lately on any mode. Please encourage him.
Papau New Guinea - P29BT will be QRV with IRDXA gear in November.

Malpelo - will be QRV RTTY for the 1st time in Nov. 90 with HK1LDG at
the keyboard, IRDXA equipment in hand. Please, extra greenstamps with
QSL for new one on RTTY.

S. Georgia/S. Sandwich - This very ambitious project has been
scratched for now. Anyone want to go? We're working on another
approach to activate S. Georgia again.

Malawi - IRDXA sending equipment to 7Q7LA as soon as we can raise
about 50 for postage. This potential new one negotiated by W8SEY.

Juan Fernandez - CE0ZZZ (with F2JD = KL7GRF) should be QRV 10 Nov.
with CE3BFX on the keys. G/S with QSL for RTTY new one please.

Bangladesh - Vince Thompson K5VT plans to return as S2VT in late Feb.
with IRDXA RTTY gear. X your fingers.

IRDXA still needs your help. Ongoing projects include CE0Z, 7Q, etc.

Contact IRDXA, 356 Hillcrest St, El Segundo, CA 90245 USA.
Phone (213) 322-7112 or fax 213-322-7114.

Good DX DE W6PQS = WA6PJR

Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA.
/EX

From -4969119027584329154
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4028b889d8738e2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-03 15:03:24 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!cs.uoregon.edu!mips!twg.com!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: Re: CQWW SSB
Keywords: contest
Message-ID: <8203@gollum.twg.com>
Date: 3 Nov 90 01:51:15 GMT
References: <1156@larry.sal.wisc.edu>
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 16

Posted: Sat Nov 3 02:51:15 1990

In article <1156@larry.sal.wisc.edu> sde@larry.sal.wisc.edu (Scott Ellington) writes:
<
<Were conditions fantastic, or what? People are going to be talking about
<last weekend for a very long time. The last two sunspot peaks weren't
<anything like this one. Surely the last comparable one was 1957, but
<that was before even a lot of us old farts had our licenses.
<
<There must be some new record scores. Has anyone heard any? (Like P40V?)
<
<K9MA

KH6RS got over 8,000,000. And I heard HC8A, who was single-op, got over 4M. The conditions were pretty good, but I can still hear "PapaJulietOneBravo" being screamed in my ear at night! It's going to take a while to unwind from that one. Probably just about to Thanksgiving time!

AA6KX

From 7097026309784201496
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,39a622dff542123c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-03 15:51:10 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!sdd.hp.com!hplabs!hpfcso!hpfcdj!keith
From: keith@hpfcdj.HP.COM (John Keith)
Newsgroups: rec.ham-radio
Subject: Re: Drifter-1 balloon beacon
Message-ID: <18230047@hpfcdj.HP.COM>
Date: 3 Nov 90 23:51:10 GMT
References: <1990Oct29.160417.17875@csrd.uiuc.edu>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 28
Posted: Sun Nov 4 00:51:10 1990

Yet another announcement regarding a balloon launch:

Western Vision Network (WVN) will be launching a helium filled balloon that will carry amateur television on November 18, with an alternate date of December 2 in case of bad weather. The launch site will be northeast Denver near Stapleton airport. The balloon is expected to travel approximately 200 miles toward the Colorado-Kansas border before it reaches an anticipated altitude of 90-100,000 feet. At that altitude, the original 5' diameter balloon will have expanded to 25', at which time it will burst and hopefully return saftely to earth, being slowed by a small chute.

The balloon will be carrying a 4 pound payload. A small CCD color camera, telemetry package, CW beacon (on 2M), 1W ATV transmitter and a 12V lithium battery pack (good for about 17 hours) round out the equipment. The ATV audio contain the telemetry reporting temperature, humidity and barometric

pressure. The video will be transmitted on 426.25 and the beacon can be heard
on 144.34. A large tracking crew, including 2 aircraft, will be used to
recover the payload. The aircraft will also be equipped with ATV gear, and
if their signal can be reliably copied will provide additional excitment
during the recovery process.

The ATV signal from the balloon is on the input frequency of the WVN repeater,
so anyone along the front range of Colorado that can receive this repeater
will be able to observe the operation from start to end. A vdieo tape of the
event will be produced.

John Keith
KD0GD

From 3415880001469181 93
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,caa7b09a232bb19,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-03 19:38:14 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
cs.utexas.edu!uunet!ncrlnk!ncrstp!npdiss1!chuck
From: chuck@npdiss1.StPaul.NCR.COM (Charles Rissmeyer)
Newsgroups: rec.ham-radio
Subject: Re: Hams and Public service/mods to HTs etc.
Message-ID: <691@npdiss1.StPaul.NCR.COM>
Date: 4 Nov 90 03:38:14 GMT
Reply-To: chuck@npdiss1.StPaul.NCR.COM (Chuck Rissmeyer)
Organization: StPaul
Lines: 5
Posted: Sun Nov 4 04:38:14 1990

If I modified my IC-745 to transmit on 11 meters (CB band) and kept
the power down to 4 watts out, could I legally use it to transmit on
that band?

I don't ever intend on doing this, but I was just curious.

From -85947957179949192
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4028b889d8738e2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-03 21:39:10 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!emory!gatech!prism!
sun13!ds1.scri.fsu.edu!debry
From: debry@ds1.scri.fsu.edu (Ron DeBry)
Newsgroups: rec.ham-radio
Subject: Power levels in contests (Was: Re: CQWW SSB)
Keywords: contest
Message-ID: <1336@sun13.scri.fsu.edu>
Date: 3 Nov 90 18:21:35 GMT
References: <1156@larry.sal.wisc.edu<1990Oct30.134312.20435@cbnewsj.att.com>

<38889@ut-emx.uucp> <1314@sun13.scri.fsu.edu>
<1990Nov2.094237.24754@EE.Surrey.Ac.UK> <1159@larry.sal.wisc.edu>
Sender: news@sun13.scri.fsu.edu
Organization: SCRI, Florida State University
Lines: 44
Posted: Sat Nov 3 19:21:35 1990

In article <1159@larry.sal.wisc.edu> sde@larry.sal.wisc.edu.UUCP (Scott Ellington) writes:
>
>The difference between 400 W and 1500 W is less than 6 dB, less than
>one S-unit. If it weren't for the fact the so many stations in this
>part of the world run 1500 W, I expect the contest scores would be
>just as high with 400 W.

I agree, with just a few exceptions (such as the low bands when QRM within Europe is extreme - we can hear the 400W Gs, but a 400W W doesn't have much chance - but the effect of this on scores wouldn't be that much). Actually, not all that many hams in the U.S. have amps capable of 1500W out, most are in the 800-1200W range, so the effect of running 400W should be more like half an S-uint. The big problem with running 400W out in a contest here on 75 & 160 is that practically everyone's antennas are just about the same. At N4WW I had a dipole on 75 - it was at 120', which is higher than most people, but the advantage over some W1's inverted vee is about 0 db. Take 400W into a big pileup on 75 with an antenna thats the same as everyone else's, and that 3db or less difference in power (which sounds practically insignificant when expessed in S-units), now that 3 db means you just don't work the guy unless you get lucky. On 40, on the other hand, N4WW's 4-el KLM is a much better antenna than the average guy in the pileup has, so I still got through most of the pileups in just a couple of calls (of course, I was spending so much time screaming on 75 trying to work somebody that my 40 meter totals on the first night were pretty bad :-)

>especially in the SSB contest, the bands are so crowded that only the
>loudest stations can stake out a frequency successfully. The stations
>with the big scores have to spend most of their time calling CQ and
>running other stations, since it's the only way to keep up the kind of
>rate necessary to compete.
>
>Scott K9MA

Right. This is a big problem on 20, where I only had about 200 Q's and 54 countries by Saturday morning (which is WAY below what it should have been). On 10, power is not really much of a factor. At the 24 hour mark I had 580 Q's and 91 countries on 10, which is pretty good.

Ron WA6DGX

debry@ds1.scri.fsu.edu

P.S. Thanks, Rusty, for the hints on EMACS.

From -6954189513839832886
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,10e910c7f3eaf0aa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-03 21:41:55 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!uwm.edu!cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1887@n8emr.UUCP>
Date: 3 Nov 90 12:38:27 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 35
Posted: Sat Nov 3 13:38:27 1990

Return-Path: <n8emr!W8PH>
Message-Id: <m0iVM7K-0000jzC@n8emr.uucp>
[Date: Sat, 3 Nov 90 06:44 EST
[To: <ALL@ARRL>
R:901103/0929z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:11697 Z:43232
R:901103/0846 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:47742 Z:43103
R:901103/0555 @:WB8ICL.OH.USA.NA Yellow Springs #:60018 Z:45387
R:901103/0313 @:WA8ZWJ.#DAY.OH.USA.NA Union #:21141 Z:45322

ARRL BULLETIN 44 ARLB044
FROM ARRL HEADQUARTERS
NEWINGTON CT NOVEMBER 2, 1990
TO ALL RADIO AMATEURS

THE ARRL AWARDS COMMITTEE HAS ACCEPTED THE FOLLOWING RECOMMENDATIONS OF THE DX ADVISORY COMMITTEE.

GERMANY. EFFECTIVE OCTOBER 3, 1990, THE GERMAN DEMOCRATIC REPUBLIC, Y2 THROUGH Y9, IS DELETED, BECAUSE THAT COUNTRY WAS ABSORBED BY THE FEDERAL REPUBLIC OF GERMANY ON THAT DATE. CONTACTS WITH Y2 THROUGH Y9 STATIONS ON OR AFTER OCTOBER 3, 1990, AND CONTACTS WITH DA THROUGH DL STATIONS ON OR AFTER SEPTEMBER 17, 1973, WILL BE CREDITED AS THE FEDERAL REPUBLIC OF GERMANY.

YEMEN. EFFECTIVE MAY 22, 1990, THE PEOPLE'S DEMOCRATIC REPUBLIC OF YEMEN, 7O, AND THE YEMEN ARAB REPUBLIC, 4W, ARE DELETED. IN THEIR PLACE, A NEW COUNTRY, YEMEN, 7O, IS ADDED EFFECTIVE THE SAME DATE.

MARCH 1, 1991, HAS BEEN SET AS THE EARLIEST DATE FOR SUBMISSION OF CARDS FOR CREDIT FOR THE NEW YEMEN LISTING. PLEASE DO NOT SUBMIT CARDS FOR CREDIT PRIOR TO THAT DATE. HONOR ROLL MEMBERS WHO HAVE MADE CONTACT WITH YEMEN SINCE MAY 22, 1990, WILL BE ABLE TO UPDATE THEIR CREDITS DURING THE MONTH OF MARCH 1991, PRIOR TO PUBLICATION OF THE NEXT HONOR ROLL LISTING.

From -4100579832844683806
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29c703cb34c5d536,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 06:36:04 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!cs.umn.edu!uc!tut.cis.ohio-state.edu!abvax!iccgcc!herrickd
From: herrickd@iccgcc.decnet.ab.com
Newsgroups: rec.ham-radio
Subject: Re: re Code & Other requirements
Message-ID: <1729.272e9b04@iccgcc.decnet.ab.com>
Date: 31 Oct 90 14:36:04 GMT
References: <9010231256.AA05779@lonex4.radc.af.mil>
Lines: 16
Posted: Wed Oct 31 15:36:04 1990

In article <9010231256.AA05779@lonex4.radc.af.mil>, szarekw@LONEX.RADC.AF.MIL (William J. Szarek) writes:
> Julian N6ARE writes
>
>>I am a no-coder, and what many people seem to have trouble grasping is that
>>we don't wish to ban or negate Morris [sic]. It is not the reason I became
>>a ham.
>
> I bet you became a ham so you could play with big lin-yers that were "bootleg"
> on the CB.   :-)
>
> I don't know who Morris is, I believe he is a cat that sells catfood and
> in any event what does his code have to do with radio.
>

Isn't he the worm who gummed up the net?

dan herrick

From 7527064136918385590
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75290eabb2fad23a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,75290eabb2fad23a,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-31 07:01:24 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (=Ron Todd)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: "COMMUNICATIONS QUARTERLY" magazine
Keywords: technical magazine, HRM, CQ
Message-ID: <110@thoreau.nsc.com>
Date: 31 Oct 90 15:01:24 GMT
Organization: National Semiconductor, S. Portland, Maine
Lines: 17

Xref: gmdzi rec.ham-radio:16354 rec.radio.shortwave:2580
Posted: Wed Oct 31 16:01:24 1990

"COMMUNICATIONS QUARTERLY" is comming. To assist you who
are wondering what this shot at filling the void left by
the demise of HRM will be like I have talked with Terry
Northup the editor and have asked her to fax me a copy of
the table of contents from the first issue. As soon as
this arrives I will post same to these newsgroups. From
talking to Terry things seem to be really exciting there
with lots of GOOD articles in the works. (I need to get
version 3 of PARHFINDER to her) Her comments on the
magazine specificly are that we should see MORE THAN 100
pages of technical articles per issue. There will be NO
ads mixed in with the articles but there will be ads.

Stay Tuned for further developments.

73,
Ron Todd, K3FR

From -2554391511245226072
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29d9abd44f737d26
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107518,29d9abd44f737d26
X-Google-Attributes: gid107518,public
X-Google-Thread: 10d431,29d9abd44f737d26
X-Google-Attributes: gid10d431,public
X-Google-Thread: 105d97,29d9abd44f737d26
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-10-31 07:16:31 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!bu.edu!transfer!lectroid!mm
From: mm@lectroid.sw.stratus.com (Mike Mahler)
Newsgroups: sci.electronics,misc.consumers,rec.audio,rec.ham-radio
Subject: Re: Need Modest Public Address System
Message-ID: <2908@lectroid.sw.stratus.com>
Date: 31 Oct 90 15:16:31 GMT
References: <90303.202207DBG@SLACVM.SLAC.STANFORD.EDU>
Sender: usenet@lectroid.sw.stratus.com
Reply-To: mm@lectroid.sw.stratus.com (Mike Mahler)
Followup-To: sci.electronics
Organization: Stratus Computer, Software Engineering.
Lines: 4
Xref: gmdzi sci.electronics:9377 misc.consumers:2231 rec.audio:6196 rec.ham-radio:16349
Posted: Wed Oct 31 16:16:31 1990

How about a cheap (used even) CB radio that has a PA
switch on it? You'd just need a speaker and power supply
(both cheap also) then...

From -2047268294960084922
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,307163d4b1fbcf80
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 07:18:12 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: HTs
Message-ID: <1490@ke4zv.UUCP>
Date: 31 Oct 90 15:18:12 GMT
References: <memo.514620@lynx.northeastern.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 31
Posted: Wed Oct 31 16:18:12 1990

In article <memo.514620@lynx.northeastern.edu> sehrlich@lynx.northeastern.edu writes:
>
>   I have finally decided on which HT I want to TRY to buy. It's
>the Yaesu FT-470.   I've been told it retails for around $400, but can
>sometimes be purchased for under $400. Problem is, I've only got about
>$200 (plus or minus $50) to spend. Anyone know how I can get one for
>that price? I will accept a used one from someone provided I can get a
>written guarantee from that person that the unit is in perfect working
>order AND that if something does go wrong with the unit, that I will be
>able to send it back to the person and get a full refund.
>
>Any suggestions or offers out there?
>
>Thanks for any help you can offer.
>
>
>Scott

I'll offer to buy any FT470 under Scott's conditions for any number of radios. :-)

Seriously Scott, these terms are wildly out of line. For $200 you could get a working, but cosmetically flawed, IC2AT, but not a FT470 in working condition. The FT470 is extremely popular and in high demand. If you find a used one for under $325 you can be sure that there is something wrong with it or the seller is totally ignorant of the marketplace. Written warranties between private parties are extremely rare, but most sellers will warranty that the radio works at the time of sale. Buyer Beware is the watchword.

Gary KE4ZV

```
From -5349478113591428889
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 07:35:01 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!elroy.jpl.nasa.gov!ncar!boulder!uswat!
joeb
From: joeb@uswat.uswest.com ( Joe Bushinski #350  x2026 )
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <12465@uswat.UUCP>
Date: 31 Oct 90 15:35:01 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct28.185659.11837@NCoast.ORG> <463@ssc.UUCP>
<1990Oct30.195918.11041@portia.Stanford.EDU>
Sender: news@uswat.UUCP
Organization: US WEST Advanced Technologies, CO, USA
Lines: 20
Posted: Wed Oct 31 16:35:01 1990

In article (Paul Flaherty) writes:

>The crime here is forcing a human being to spend time learning a skill that,
>most likely, he or she will never really use.  From a utilitarian standpoint,
>that's clearly immoral.

Really Paul. Who told you that you MUST learn Morse. Apparently you
wanted the ham ticket, so YOU told yourself that YOU wanted to learn the
code. I don't see any one FORCING any body else to learn Morse. Get
real. Assuming that you are in college (From your usenet address) or work
there, I can just imagine that you are only taking classes (or have taken
them) that you will use in the future eh?

                                 Joe Bushinski
                                      KE0QA
                                      (303) 930-2026

------------------------------------
I am Neither for Nor Against APATHY
------------------------------------



From -4224956409842O8146
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 08:01:23 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1491@ke4zv.UUCP>
Date: 31 Oct 90 16:01:23 GMT
```

```
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct24.200305.9402@athena.mit.edu> <9217@b11.ingr.com>
<1990Oct28.185659.11837@NCoast.ORG> <531@chiton.ucsd.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 24
Posted: Wed Oct 31 17:01:23 1990
```

In article <531@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
>I am sick and tired of all the self-proclaimed Gods of Ham Radio who insist
>that because they don't like Morse Code, they have the right to deny it to
>everyone else. Since when does the fact that you don't like it count for anyone
>except yourself?

No one has proposed banning CW operation. They have proposed not requiring Morse testing for certain license/frequency operation. Their attitude is inclusive of people who want to use modes other than manual CW and of people who do want to use manually decoded CW. Nothing in their proposals prevents an individual from voluntarily learning to manually decode CW. Your attitude is exclusive of all people who do not desire to use manually decoded CW modulation. Can you see who the bigot is in this situation?

```
>So:   If there are more people who want to keep it than don't, you lose.
>      If there are more prople who want to trash it than don't, you win.
```

Actually the FCC won't put it to a vote. Their duty is to decide what rules best promote the charter of the Amateur service. Whether the decision is popular with current licensees is only one factor in the process. They must consider the impact on potential licensees as well as current licensees. Their primary concern is good public policy, not protecting vested interests.

Gary KE4ZV

```
From -4546360367756954167
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,519415d8db5999b1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 08:08:23 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: IMHO
Message-ID: <1492@ke4zv.UUCP>
Date: 31 Oct 90 16:08:23 GMT
References: <11192.272c8db5@ecs.umass.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 10
Posted: Wed Oct 31 17:08:23 1990
```

In article <11192.272c8db5@ecs.umass.edu> scott@ecs.umass.edu writes:
>What does IMHO mean? Is this an "in-group" acronym - or am I ignorant of

>some well known English abbreviation?

IMHO: In My Humble Opinion.

Usually there is nothing very humble about the opinion that follows this acronym. :-)

Gary KE4ZV

From 889037270763271382
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2db213fba606f24
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 08:19:46 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!julius.cs.uiuc.edu!rpi!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: ARRL, Lobbying, NRA, etc...
Summary: Lobbying is...what?
Message-ID: <354@ultrix.uhasun.hartford.edu>
Date: 31 Oct 90 16:19:46 GMT
References: <270.272C794D@w8grt.fidonet.org>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 48
Posted: Wed Oct 31 17:19:46 1990

In article <270.272C794D@w8grt.fidonet.org>, jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>
> > From: ritchie@hpdmd48.boi.hp.com (David Ritchie)
> > Date: 26 Oct 90 21:57:23 GMT
> > Organization: Hewlett Packard - Boise, ID
> > Message-ID: <530029@hpdmd48.boi.hp.com>
> > Newsgroups: rec.ham-radio
> >
> > >Tad cook asked how the NRA gets away with lobbying, when the ARRL can't.
> > >Simple. NRA member funds are not used for lobbying. All lobbying monies
> > >come from the NRA Political Action Fund, contributions to which are *not*
> > >tax exempt. How many hams do you think would contribute to a non-tax-exempt
> > >ARRL lobbying fund?

Well, lobbying is defined as attempting to influence legislation. I suspect that the NRA Political Action Fund is used to influence _elections_.
A 501(c)(3) organization (such as ARRL) can do lobbying as long as they don't devote a "significant" amount of their resources to it. But there are other classes of non-profit organization. (I'm no expert: that exhausts my knowledge of the subject.) Note that attempting to influence _regulation_ (e.g., FCC Rules changes) is _not_ considered lobbying. ARRL can, and does, put significant effort and resources into that. Fortunately, it is regulation that is usually what we need to

influence. Not much legislation has a direct impact on ham radio, so the need for actual lobbying is small enough that we can do it. As for PAC activities, amateurs could never dig deep enough to compete with the campaign contributions of, oh, say.... UPS, for example. We'd be outspent by just about anybody, so it's better to stay above the fray, so to speak.

> I think you'll find that ARRL is a lot goosier about losing their tax status
> and is probably playing it safe. Let's face it, if they had to start paying
> income taxes on the publishing empire, they'd be in real deep trouble.

I don't know if I'd call it playing it safe so much as making an informed decision as to the most effective way of having the kind of influence over governmental actions that we want to have. Getting into the gutter (my characterization, not ARRL's) with the other PAC players and the industry groups would simply probably not be effective. We have a lot of friends in government who consider ham radio to be a "pure" public interest. As soon as we show up with a roll of bills in our pocket (figuratively), we lose that good will and become just another special interest.

```
--
Jon Bloom, KE3Z                              | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu         |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

```
From 4456722347052224276
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1815fbc727d74a19,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 08:26:45 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!crdgw1!greenba
From: greenba@gambia.crd.ge.com (ben a green)
Newsgroups: rec.ham-radio
Subject: Re: Questions on ground for HF verticals
Message-ID: <GREENBA.90Oct31112645@gambia.crd.ge.com>
Date: 31 Oct 90 16:26:45 GMT
References: <10416.272e8f79@rsmas.miami.edu>
Sender: news@crdgw1.crd.ge.com
Organization: GE Corporate Research & Development
Lines: 11
Posted: Wed Oct 31 17:26:45 1990
In-reply-to: eakin@rsmas.miami.edu's message of 31 Oct 90 12:46:49 GMT
```

How well the earth works with your vertical depends on your location. In Miami, you may have dry sandy soil (awful) or soil dampened with sea water (ideal).

In my location, mounting the vertical on the roof with four 1/4 wave radials strung out to neighboring trees worked much better than earth-level. It was a Butterfield six-band vertical

with their radials tuned one per band for four bands. The
earth was your usual Northeastern topsoil lawn.

Ben

From -8561217678415131083
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b0c73fa0a538956
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 08:47:03 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!rpi!uupsi!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: IC-745
Message-ID: <41520@cci632.UUCP>
Date: 30 Oct 90 16:48:58 GMT
References: <9010291342.AA21093@ucsd.edu> <13210@crdgw1.crd.ge.com>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 13
Posted: Tue Oct 30 17:48:58 1990

In article <13210@crdgw1.crd.ge.com> mallick@ethiopia (john a mallick) writes:
>Supposedly one uses a DC
>power supply to hold things while unsoldering/soldering the battery,
>but no clues in the manual.

I have one, too (my university club). Would having the radio powered
"ON" while you pull the switcheroo help? One would think that the
battery would only have the power to "hold" memory, but not to operate,
and that the operational voltage would hold memory.

Thoughts?

Chris/WZ2B

From -5252320974931418817
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 09:37:02 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <Fs3wR4w161w@phoenix.com>
Date: 31 Oct 90 17:37:02 GMT
References: <1990Oct30.195918.11041@portia.Stanford.EDU>
Organization: One Man Brand

Lines: 19
Posted: Wed Oct 31 18:37:02 1990

paulf@jessica.stanford.edu (Paul Flaherty) writes:
> The crime here is forcing a human being to spend time learning a skill that,
> most likely, he or she will never really use. From a utilitarian standpoint,
> that's clearly immoral.

However, there is no way of telling WHEN or IF it will be used. I don't use CW on the ham bands today. I can't say, nor can anybody else, that I will NEVER use it. In fact, I DO use it -- aircraft navigation transmitters ID in CW. It is nice to be able to recognize what station you are receiving without having to stop and think about it.

Would you rather that the user learn CW only AFTER he decides to get on the frequency?

"Arinth is a beautiful planet." "Oh, have you been there?"
"Yes, but not yet." The Doctor. (TB)

From -5505927197666825045
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 09:43:57 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!shelby!portia.stanford.edu!
jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Oct31.174357.20393@portia.Stanford.EDU>
Date: 31 Oct 90 17:43:57 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct28.185659.11837@NCoast.ORG> <463@ssc.UUCP>
<1990Oct30.195918.11041@portia.Stanford.EDU> <534@chiton.ucsd.edu>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 12
Posted: Wed Oct 31 18:43:57 1990

In article <534@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
>The crime here is denying a human being the opportunity to learn a skill that,
>most likely, he or she will use for life. From a utilitarian standpoint,
>that's clearly immoral.

Two fallacies. One, that no-code denies the opportunity to learn CW -- far from it, and if it's worth learning, people will learn it. Two, that CW will most likely be used -- the vast majority of ham communications lies in voice modes.

-=Paul Flaherty, N9FZX | Life is an inherent shift - reduce conflict.
->paulf@shasta.Stanford.EDU |

From 850865869752874O3
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,357b4e354df9c454,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 09:46:31 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!att!cbnewsl!moss!feg
From: feg@moss.ATT.COM (Forrest Gehrke,2C-119,7239,ATTBL)
Newsgroups: rec.ham-radio
Subject: Re: Radial-less Vertical for Condo
Message-ID: <1990Oct31.174631.2432@cbnewsl.att.com>
Date: 31 Oct 90 17:46:31 GMT
References: <9010310820.aa14336@crdec8.apgea.army.mil>
Sender: @cbnewsl.att.com
Reply-To: feg@moss.ATT.COM (Forrest Gehrke)
Organization: AT&T Bell Laboratories
Lines: 27
Posted: Wed Oct 31 18:46:31 1990

In article <9010310820.aa14336@crdec8.apgea.army.mil>
pjstopa@CRDEC8.APGEA.ARMY.MIL ("Peter J. Stopa") writes:
>
>ago.
>
>The antenna consists of a Slinky (about $4.00- if you can still find the
>metal ones) elongated along a piece of PVC or wood. Feed it like a random
>wire from your tuner. Be sure to use a counterpoise ground, as a minmum.
>I have also fed it with coax, with the shield going to a "radial" which
>I through around the backyard.
>
>The antenna loads from 160 to 10m- gets a little finnicky (High Q?) on 80
>and 160, and a little hot on 40- I can probably fix this by changing the
>length of the feed wire.
>

Just one problem: Slinky is made of steel, not your best conductor
of RF--in fact a terrible one--that's probably why it gets hot as
you go to higher RF. Result: a poor antenna at best, is made even
lossier than it needs to be.

Better you should use copper clad steel wire which can also be
fashioned to act like a Slinky. Most electronics houses carry
this wire, which is normally used for wire antennas because
of the added strength of the steel core..

Forrest Gehrke feg@moss.att.com k2bt

```
From 8507382764433635439
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eeec4db0578f3ec5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 09:51:42 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!ALF.UNOMAHA.EDU!pschleck
From: pschleck@ALF.UNOMAHA.EDU (Paul Schleck)
Newsgroups: rec.ham-radio
Subject: Re: Walter
Message-ID: <9010311751.AA09865@alf.unomaha.edu>
Date: 31 Oct 90 17:51:42 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Lines: 31
Posted: Wed Oct 31 18:51:42 1990

Newsgroups: rec.ham-radio
Subject: Re: CBS REPORT
References: <9010131959.AA25077@ucsd.edu> <30500787@ux1.cso.uiuc.edu>
<408@ssc.UUCP>

In <408@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:

>In article <30500787@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
>>
>> > I will be writing CBS to express my views and I hope that many others
>> > will write them
>>
>> Send a copy to Walter Cronkite as well.


>Uhhhhh....didn't Walt retire from CBS a LONG time ago??!?


You are correct that Walter retired from his full-time anchor position
in 1981 or so.  However, he is on the CBS board of directors and DOES
have a tremendous say in their operations, ESPECIALLY the news.  I
understand he had a LOT to say on the botched firing of Brent
Mussburger.  Say, would someone on the net please post the CBS address
for us poor people who don't have easy access to that kind of
information?  Also, the address for transcripts would allow us to flame
intelligently....

73, Paul W. Schleck, KD3FU

pschleck@alf.unomaha.edu




From -3411605718302578687
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8545d3eff0750a1a
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1990-10-31 10:08:07 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!midway!ellis.uchicago.edu!pbhx
From: pbhx@ellis.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <1990Oct31.180807.27796@midway.uchicago.edu>
Date: 31 Oct 90 18:08:07 GMT
References: <9010301830.AA27723@bunny.gte.com> <22051@mvis1.com>
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 35
Posted: Wed Oct 31 19:08:07 1990

In article <22051@mvis1.com> jkaidor@synoptics.COM (Jerome Kaidor) writes:
>
>   Gee, if you can pass the test by copying, say, every _third_
>character and playing multiple-choice games, you can pass your
>General after you attain the lofty speed of.... 5WPM! But you'll have
>to get to at _least_ 7-8WPM before you can attempt the Extra.
>Whatever happened to the old "One minute solid copy of random code
>groups"? (Oh, no! I've dated myself!)
>
>   - Jerry Kaidor, KF6VB

Gawwd. First we have to hold to the 5/13/20 wmp distinctions even
through it is NOT required by international convention which
requires only 5 wmp for HF work. Now we have to prove how macho we
are by ""One minute solid copy of random code groups."

The thing we must not forget is that ham radio is dying and we will
lose frequencies if we don't get more growth. Most of the Hams are
over 40 years old, silent keys and people who don't use or don't renew
probably outnumber each year's new hams, and we are getting a pathetic
number of young boys and girls coming in.

Since we have to have code for HF according to international
convention, let's drop all code requirements to just 5 wmp, and let's
update the written exams by excluding the kinds of questions and
formulae that one would look up anyway if needed (like time constants,
polar coordinates, etc.), and let's add lots of questions on operating
procedures, packet, etc.
--

Peter B. Hayward   N9IZT/AE
University of Chicago Computing Organizations

From -5860670781266817532
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,1815fbc727d74a19
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 10:29:49 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sol.ctr.columbia.edu!cica!iuvax!att!cbnewsl!moss!feg
From: feg@moss.ATT.COM (Forrest Gehrke,2C-119,7239,ATTBL)
Newsgroups: rec.ham-radio
Subject: Re: Questions on ground for HF verticals
Message-ID: <1990Oct31.182949.5587@cbnewsl.att.com>
Date: 31 Oct 90 18:29:49 GMT
References: <10416.272e8f79@rsmas.miami.edu>
Sender: @cbnewsl.att.com
Reply-To: feg@moss.ATT.COM (Forrest Gehrke)
Organization: AT&T Bell Laboratories
Lines: 54
Posted: Wed Oct 31 19:29:49 1990

In article <10416.272e8f79@rsmas.miami.edu> eakin@rsmas.miami.edu writes:
>In my search for the perfect ground floor condo vertical, I have come up
>against a question. Being inexperienced with HF verticals, I'm wondering how
>well earth ground really works.

If you mean using a ground rod--nearly worthless--except for lightning protection.

>I can probably bury a limited amount of wire, but not nearly the length
>required for 20-40m radials.
>

There is nothing carved in granite that says radials need to be some certain length. Quarter wave length radials would be nice, longer would be even nicer, but for limited space, make up for length by using more of them. Nor need they all be of equal length.

Radials do two things for a <= 1/4 wavelength vertical:

1. Reduce loss. Here is where the use of many short radials will help to overcome the inability to provide long ones.

2. Lower the angle of radiation. This is desirable for long haul DX; undesirable if all you wanted to do is talk to your friends in the next county as you have lowered your sky wave. But, (you knew there was a "but"?) here is where LONG radials do their work, and the longer the better, if DX is your object.

BTW bury 'em if you have to, but an inch is deep enough. Beyond that losses will ensue--particularly at higher RF.

>
>Basically, would I be better off mounting the vertical on the ground rather
>than adding, say, 10-20' of elevation?
>

Doesn't make a lot of difference (except for construction) below
the 20 meter band. 15 meters and above, going to higher elevation
is advised.

>How well will ground mounting work to eliminate the need for radials?
>
Radials should never be eliminated. I often wonder why so many
amateurs, even those not limited by geography, resist the idea
of radials for a vertical. These same amateurs would not
consider for a moment putting up a horizontal antenna with
a 1/4 wavelength on one side of the "center" feed point
and something considerably less than that on the other side.

Yet that is exactly what the situation looks like to a
1/4 wave vertical with a less than ideal ground plane
(with an added loss penalty, besides).

Forrest Gehrke feg@moss.att.com k2bt

From 108375842109003438
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f67519cd964f4773,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 10:34:06 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!usc!ucsd!pacbell.com!att!cbnewsj!w1gd
From: w1gd@cbnewsj.att.com (gerald.j.kersus)
Newsgroups: rec.ham-radio
Subject: CQWW Phone Results
Keywords: contest
Message-ID: <1990Oct31.183406.13602@cbnewsj.att.com>
Date: 31 Oct 90 18:34:06 GMT
Organization: AT&T Bell Laboratories
Lines: 26
Posted: Wed Oct 31 19:34:06 1990

Steve, N2IC/0, asked me to post this:

As long as we're into bragging ....

K1AR (multi-operator/single transmitter):

4445 QSO's
170 Zones
706 Countries

11.2 M points - a new USA multi-single record !

This was done using K1EA's station, and, of course, CT software (written
by K1EA).

A few relevant comments:

- The YCCC packet network had over 3000 DX postings during the contest.
- K1EA's station had the least amount of inter-station interference I have experienced at a multi-station. Ken sure knows how to build stations !
- We were beta-testing an Alpha 87A, automatic bandswitching/automatic tuning amplifier. What a great box for the multiplier station !

The operators were: K1AR, K1EA, KM3T, N6BV and N2IC

From 210305031925867145
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a52980d2c3608d8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 10:56:03 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!rpi!batcomputer!cornell!uw-beaver!sumax!amc-gw!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: K1EA Software CT.EXE
Summary: DSP Guru in HF contest??!?
Keywords: Logging software contest
Message-ID: <475@ssc.UUCP>
Date: 31 Oct 90 18:56:03 GMT
References: <798@idacrd.UUCP>
Organization: very little
Lines: 37
Posted: Wed Oct 31 19:56:03 1990

In article <798@idacrd.UUCP>, mac@idacrd.UUCP (Robert McGwier) writes:
> During the CQWW, we used it at N2RM. I might mention that N2RM set the
> US record and won in the US if our final tally holds up under close
> scrutiny. K1EA was an absolutely indespensible part of the effort.
> We had 9 stations going. Each BAND had K1EA running and `networked'

(lotsa stuff deleted)
>
> 73's
> Bob
> N4HY
>

WHAAT??!? Bob McGwier, the DSP whiz is into HF CONTESTING??!?!?

I see all the posts on here from folks who want to dump the code, and say they are only interested in being on the "cutting edge" of technology. They usually characterize HF contests as a "waste." Now we find out that N4HY, besides being on the frontier of new ham technology, is also particitpating in the CQ Worldwide DX Contest!

Gosh, it's nice to see that Bob has broad interests in radio.
(Bob, I am not flaming you!)   :>

This month I'll be listening for PHIL KARN in the ARRL Sweepstakes!

Great showing in the CQWW, Bob!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

```
From 6154615276894361232
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 11:10:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!udel!
rochester!cornell!uw-beaver!sumax!amc-gw!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Summary: ????
Message-ID: <476@ssc.UUCP>
Date: 31 Oct 90 19:10:50 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct30.195918.11041@portia.Stanford.EDU>
Organization: very little
Lines: 32
Posted: Wed Oct 31 20:10:50 1990
```

In article <1990Oct30.195918.11041@portia.Stanford.EDU>,
paulf@jessica.stanford.edu (Paul Flaherty) writes:
> In article <463@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
> >So why does Brandon claim that Mr. Herbster is forcing CW on anyone? Why
> >is liking Morse a crime on rec.ham-radio? Herbster didn't INVENT the
> >Morse requirement!
>
> An interesting logical syllogism. Hitler didn't invent guns. Therefore Hitler
> didn't force guns on anyone. The implications are fascinating.
>
> The crime here is forcing a human being to spend time learning a skill that,
> most likely, he or she will never really use. From a utilitarian standpoint,
> that's clearly immoral.
>

An interesting leap in "logic" ..... Herbster passed the Morse test, and
because he gives some opinions that the "dump CW" crowd disagrees with,

THEY act as if the Morse test was was HIS invention, foisted on THEM!

When the this silliness is pointed out, comparisons to HITLER are made!

Now I learn that because CW is not "utilitarian" enough, it is IMMORAL!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 7775783188663855096
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 11:19:01 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!maverick.ksu.ksu.edu!zaphod.mps.ohio-state.edu!wuarchive!udel!rochester!cornell!uw-beaver!sumax!amc-gw!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Summary: elitism
Message-ID: <477@ssc.UUCP>
Date: 31 Oct 90 19:19:01 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp> <10174@jpl-devvax.JPL.NASA.GOV>
Organization: very little
Lines: 25
Posted: Wed Oct 31 20:19:01 1990

In article <10174@jpl-devvax.JPL.NASA.GOV>, jenkins@jpl-devvax.JPL.NASA.GOV (Steve Jenkins) writes:
> In article <461@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
> >What elitist crap! Are PhDs from Belcore the only folks with valid
> >opinions?
>

>
> I invite anyone who thinks CW is really spectrum-efficient to give me a
> call next time you're in LA. I'll take you over to meet some people
> from the JPL Deep Space Network. They're the world gurus of weak signals,
> and they do it all with "Belcore (sic) PhD elitist crap".

The expen$ive technology isn't elitist; the original posting seemed like
it though.
>

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -8250368951313734702
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3328cb8f55165106
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 12:15:11 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!usc!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters
Message-ID: <1990Oct31.201511.21053@ux1.cso.uiuc.edu>
Date: 31 Oct 90 20:15:11 GMT
References: <LURU.90Oct27221929@stekt.oulu.fi> <1488@ke4zv.UUCP>
Organization: University of Illinois at Urbana
Lines: 38
Posted: Wed Oct 31 21:15:11 1990

gary@ke4zv.UUCP (Gary Coffman) writes:

>There are two types of amateur repeaters in use in the USA.
>
>   1. Open. An open system welcomes all users. It may use technical
>   access controls, but the access information is widely
>   and freely available to everyone. New users are actively
>   welcomed to the system.
>
>   2. Closed. A closed system welcomes only a specific group of users.
>   It may use technical access controls and attempt to
>   keep access information restricted to the group. Or
>   it may not use technical access controls, relying instead
>   on group pressure to discourage non-members from using
>   the system.

Hey, Gary! I think you missed one. But maybe you classify it as one or the other of the above two you mention. Could you tell me which?

A system that (typically) uses technical access controls and is stated as being open to all. However the access controls are periodically changed and/or individualized. They are NOT published in the open, but are given to any ham who asks, though not over a radio frequency. The exception is that when someone abuses the system (leaving the definition of that out for the moment) their

  access is terminated my one means (changing the access codes and
  not telling this abuser) or another (disabling his individualized
  access codes).

I am planning for my NON-REPEATER autopatch to have access codes
like this. Unlike a repeater, it will be relatively easy on the
users to have to enter a DTMF access code of 5 or 6 digits that is
their specific one. The controller I am looking at getting is one
intended for commercial use with paying customers and has this
individual capability.

--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -3767973483560922948
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 12:17:36 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!emory!kd4nc!vdbsan!brian
From: brian@vdbsan.UUCP (Brian Bainter)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <119@vdbsan.UUCP>
Date: 31 Oct 90 20:17:36 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct28.180507.10292@NCoast.ORG>
Organization: BellSouth Advanced Networks, Atlanta, GA.
Lines: 21
Posted: Wed Oct 31 21:17:36 1990

allbery@NCoast.ORG (Brandon S. Allbery KB8JRR) writes:

>I request *again* reasons why CW *should* be required of *all* hams. Reasons
>which do not boil down to negative arguments but positive ones saying what
>specific benefit comes of requiring CW of all hams *and* *proving* *it* ---

First of all I am not saying that I am opposed to no-code, but this quote
above made me think a little bit. Brandon wants proof. Well, I want proof
that a no-code license will have the desired effect. In business you do a
market study before you put a product out.

Personnaly, I think that all the excitement about no-code solving HAM radio's
problems may be somewhat unfounded. No matter how good of an idea I might
think it is.

Brian Bainter
gatech!kd4nc!vdbsan!brian

--

Brian Bainter
gatech!kd4nc!vdbsan!brian

gatech!kd4nc!vdbsan!tomcat!brian

From 3292591455211927524
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 12:21:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Oct31.202150.22748@ux1.cso.uiuc.edu>
Date: 31 Oct 90 20:21:50 GMT
References: <16857@shlump.nac.dec.com>
Organization: University of Illinois at Urbana
Lines: 46
Posted: Wed Oct 31 21:21:50 1990

magid@select.enet.dec.com (Joel Magid...) writes:

```
>    Class              Elements            Options
>
>    Novice             2                   CW 5 WPM
>
>    Technician         2,3a                Pick (1) from list below
>
>    General            2,3a,3b             "     "    "    "    "
>
>    Advanced           2,3a,3b,4a          "     "    "    "    "
>
>    Extra              2,3a,3b,4a,4b       "     "    "    "    "
>
>    Communicator       2,3a                * (required)
```

Why not....

```
     Class              Elements            Options

     Novice             2                   CW 5 WPM

     Technician         2,3a                Pick (2) from list below

     General            2,3a,3b             "    (4)   "    "    "

     Advanced           2,3a,3b,4a          "    (6)   "    "    "

     Extra              2,3a,3b,4a,4b       "    (8)   "    "    "

     Communicator       2,3a                * (required)
```

[list in previous posting]

But then do we even need communicator?

This proposal, however, has problems:

1. A tremendous new burden on the VE/VEC's to develop more tests (but I actually believe we need to revamp the who testing anyway).

2. The issue of international requirements for a Morse exam for access to frequencies below 30 MHz.

--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 2096553696644312594
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 12:42:19 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!wuarchive!
julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Oct31.204219.27791@ux1.cso.uiuc.edu>
Date: 31 Oct 90 20:42:19 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct28.185659.11837@NCoast.ORG> <463@ssc.UUCP>
<1990Oct30.195918.11041@portia.Stanford.EDU> <12465@uswat.UUCP>
Organization: University of Illinois at Urbana
Lines: 54
Posted: Wed Oct 31 21:42:19 1990

joeb@uswat.uswest.com (Joe Bushinski #350 x2026) writes:

>Really Paul. Who told you that you MUST learn Morse. Apparently you
>wanted the ham ticket, so YOU told yourself that YOU wanted to learn the
>code. I don't see any one FORCING any body else to learn Morse. Get
>real. Assuming that you are in college (From your usenet address) or work
>there, I can just imagine that you are only taking classes (or have taken
>them) that you will use in the future eh?

Have you been hiding for the past several years? The issue is whether or not a Morse Code test should be a part of every possible means to get access to a public resource, part of which does not have any need of that skill whatsoever.

Here is this public resource, the amateur radio spectrum. Many people would like to make use of this spectrum for reasons consistent with the designation of this spectrum allocation. Some people hold the belief that no one should be allowed any access to this spectrum at all unless they conform to a certain set of radio operator skills, notably the skill to copy by ear the Morse code telegraphy code. This is a skill, albeit a worthy an honorable personal achievement, that no longer has the appeal it once had since so few other services use it anymore.

This is all occurring at the same time that other radio services are experiencing tremendous growth patterns and have a level of spectrum crowding within their own service allocations many times the density level of that portion of ham radio that most closely mimics their usage patterns, voice repeaters and packet radio. From the point of view of almost everyone outside amateur radio, we are wasting this resource.

If we really are not going to make full use of the spectrum we have, then we should just turn some of it back over to the FCC now and just keep what we can use.

On the other hand, we don't have the numbers yet to make full use of what we have. A great number of the 488000+ hams are either inactive or are primarily users of HF (whose threats are more political than numeric). There are too few hams to hold down the vast spectrum we have in the VHF, UHF, SHF and EHF areas. We need those numbers if we are going to keep this spectrum. Perhaps we only need to double the number of hams now on these upper bands. That's not doubling the 488000 figure, but rather a doubling of just the small portion that is there now. If all of the 488000+ hams were activated and operated on the VHF UHF bands, we would no longer have this threat. But that is not every hams interest.

Then there is the issue of whether or not the government should be letting those who happen to have use of the spectrum now dictate the measure of how to let others access that spectrum in the future.
If we don't straighten ourselves up, we may find someone like Congress doing it for us, their way.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From 8891684182463506277
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 12:47:36 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Oct31.204736.29043@ux1.cso.uiuc.edu>
Date: 31 Oct 90 20:47:36 GMT
References: <1990Oct30.195918.11041@portia.Stanford.EDU> <Fs3wR4w161w@phoenix.com>
Organization: University of Illinois at Urbana
Lines: 24
Posted: Wed Oct 31 21:47:36 1990
```

stanley@phoenix.com (John Stanley) writes:

>   However, there is no way of telling WHEN or IF it will be used. I don't
>use CW on the ham bands today. I can't say, nor can anybody else, that I
>will NEVER use it. In fact, I DO use it -- aircraft navigation
>transmitters ID in CW. It is nice to be able to recognize what station
>you are receiving without having to stop and think about it.

I don't use CW either. But I can't copy anymore anyway, so what does it matter for me. I think there are a LOT of hams like me, who have just forgotten the code because they learned it just enough to get by the test (and 5 WPM is nothing but a token effort). Many of those who are not getting into ham radio are avoiding it just because of the stupidity of even a TOKEN effort to learn something they will not and probably cannot use.

>   Would you rather that the user learn CW only AFTER he decides to get
>on the frequency?

I'm on the frequency, but if I am going to relearn CW, it obviously is going to be AFTER, since it is already AFTER.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -2944208630458533682
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 13:20:41 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!agate!shelby!portia.stanford.edu!jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Oct31.212041.10384@portia.Stanford.EDU>
Date: 31 Oct 90 21:20:41 GMT
References: <1990Oct30.195918.11041@portia.Stanford.EDU> <Fs3wR4w161w@phoenix.com>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 19
Posted: Wed Oct 31 22:20:41 1990

In article <Fs3wR4w161w@phoenix.com> stanley@phoenix.com (John Stanley) writes:
>   However, there is no way of telling WHEN or IF it will be used.

Not true. A simple statistical study of time usage of each mode would give a fairly accurate probability of use.

Personally, my probability of use of CW is less than 0.05 empirically from my home station, and less than 0.01 from W6YX. On VHF, it's about 0.05, and above VHF, zero. That's based on about four years of operation.

Projecting into the future, my use of CW on HF will continue to decline
(most of my CW QSOs were early on when I had a tech license), but will
probably stabilize at VHF...

In contrast, nearly 90% of all of my study time for the exams was spent
learning CW.

-=Paul Flaherty, N9FZX | Life is an inherent shift - reduce conflict.
->paulf@shasta.Stanford.EDU |

From 3911153894395293347
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 15:32:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1494@ke4zv.UUCP>
Date: 31 Oct 90 23:32:17 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct28.185659.11837@NCoast.ORG> <463@ssc.UUCP>
<1990Oct30.195918.11041@portia.Stanford.EDU> <534@chiton.ucsd.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 10
Posted: Thu Nov 1 00:32:17 1990

In article <534@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
>The crime here is denying a human being the opportunity to learn a skill that,
>most likely, he or she will use for life. From a utilitarian standpoint,
>that's clearly immoral.

No one is denied the right to voluntarily learn any arcane nonsense they
desire. It may even be marginally useful or fun for some, but it's certainly
not necessary for everyone.

Gary KE4ZV

From 7311645556084929740
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed5bb56e4039ae0b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 15:51:06 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!usc!ucsd!pacbell.com!att!iuvax!rutgers!cunixf.cc.columbia.edu!gp15
From: gp15@cunixf.cc.columbia.edu (Gerald Pulver)
Newsgroups: rec.ham-radio
Subject: Re: gender neutral pronouns (was: Re: The Dube dude)

Keywords: gender neutral pronouns s/he he she
Message-ID: <1990Oct31.004531.18281@cunixf.cc.columbia.edu>
Date: 31 Oct 90 00:45:31 GMT
References: <1990Oct25.094613@ultnix.enet.dec.com>
<1990Oct26.012152.18380@cunixf.cc.columbia.edu> <6134@minyos.xx.rmit.oz.au>
Organization: Columbia University
Lines: 15
Posted: Wed Oct 31 01:45:31 1990

In article <6134@minyos.xx.rmit.oz.au> rcosj@chudich.co.rmit.oz (John Simmons)
writes:
>gp15@cunixf.cc.columbia.edu (Gerald Pulver) writes:
>
>>In article <1990Oct25.094613@ultnix.enet.dec.com>
>>taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber) writes:
>>>...
>>>Personally, I back the use of "they"/"their"
>>>over such awful contructions as "he/she" or the muy disgusto "heesh."
>>>...
>
>>How about "s/he"?
>
>Whatever hapenned to 'people' ?

Barbra Streisand did pretty well with 'People'.

From -2745463340467159151
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 16:07:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Oct31.044213.18740@ux1.cso.uiuc.edu>
Date: 31 Oct 90 04:42:13 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct28.191442.16979@bellcore-2.bellcore.com> <461@ssc.UUCP> <10174@jpl-devvax.JPL.NASA.GOV>
Organization: University of Illinois at Urbana
Lines: 56
Posted: Wed Oct 31 05:42:13 1990

jenkins@jpl-devvax.JPL.NASA.GOV (Steve Jenkins) writes:
>The assertion that CW is "efficient" should not be a matter of
>opinion; it is a testable statement falling within the domain of
>information theory. If knowing that is elitism, then ham radio needs
>more of it.

That depends on what you call efficient.

CW is SLOW. Machine generated and machine decoded CW can do a marvelous job of efficiency, but that is limited to machines only (and certainly does not apply to testing the carbon-based units). The Morse Code itself is inherintly an INefficient code. It requires more bits to send the information, with no means to recover the excess.

When we are dealing with strictly human operators of conventional analog radios, CW definitely has some advantages. But these advantages are realized just BECAUSE CW is not efficient. It is REDUNDANT, and that helps it get through the noise.

>I invite anyone who thinks CW is really spectrum-efficient to give me a
>call next time you're in LA. I'll take you over to meet some people
>from the JPL Deep Space Network. They're the world gurus of weak signals,
>and they do it all with "Belcore (sic) PhD elitist crap".

You can make CW spectrum-efficient, but you could do that with ANY code. Morse (as opposed to CW) is not an ideal coding system for machines, and so Morse code CW never will reach the ideal, but can can be made quite impressive.

But that which makes CW impressive does not apply to test PEOPLE's skills.

>And before anyone feels the need to point out that the DSN isn't ham
>radio, yes, I know it isn't. But CW either is or isn't efficient, and
>people who understand the question say it isn't. CW does have the
>advantage that it can be decoded by ear by a sizeable group of people.
>In other technical respects it's unimpressive.

Machines can decode Morse code CW quite impressively.

Humans can decode Morse code CW, too.

Many humans are not interested in Morse code CW, and think it is not relevant.

Machines don't and can't care, so do go on FORCING MACHINES to do code.

>If you like it, use it and be happy. Don't expect everyone to think
>your reasons are compelling.

Or if you don't, don't use it, and be happy.

But what about the ones who don't want to before they have a license?
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -3400798246830348214
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 16:16:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Oct31.052911.25292@ux1.cso.uiuc.edu>
Date: 31 Oct 90 05:29:11 GMT
References: <9217@b11.ingr.com> <1990Oct28.185659.11837@NCoast.ORG>
<531@chiton.ucsd.edu> <1990Oct30.203641.5283@athena.mit.edu> <535@chiton.ucsd.edu>
Organization: University of Illinois at Urbana
Lines: 58
Posted: Wed Oct 31 06:29:11 1990

rec@chiton.ucsd.edu (Richard Currier) writes:
>By not requiring it you are denying the necessary exposure to it that will
>allow new OPs to make their own decision. CW is HARD. Human nature being what
>it is, sometimes it is necessary to require something unpleasant to get beyond
>the early learning curve. The number of hams I know personally who tell me
>that they are glad that they were exposed to CW far outweigh those who think the
>experience was bogus.

And you heard this on a CW net I bet.

This is a totally bogus argument. If by virtue of there being no requirement, people are deprived of the choice, then we need to start requiring EVERYTHING THERE IS.

My parents forced me to try a LOT of different foods as I grew up. I found that I ended up DISliking most of the foods they forced on me. I ended up LOVING other kinds I never had as a kid (e.g. Chinese, Indian). I do believe that had I not had these things forced on me, I would not have such negative feelings about them

While in junior and senior high school, I had literature FORCED upon me by the English class curriculum. In grade school I loved to read fiction, able half being science fiction. But after my experience in high school with literature being forced on me, I ended up so disliking it that I no longer read fiction at all. It just feels so bad to me to do so.

And you tell me that forcing things on people is GOOD? No way!

>Now here's something you can flame me for...I think the no-code attitude is
>selfish and arrogant. You want to change ham radio in ways that I think will
>destroy it. You may have the best of intentions, but I don't think you know
>and understand what has kept the hobby alive for the past fifty years. The
>deterioration of good operating procedures we all now hear on the bands is a
>direct result of the loss of the sense of fraternity and tradition that I still
>hear on CW. So what conclusions can I draw? I work VHF,UHF,digital and HF SSB
>and I'm appalled by what I hear. How can I not associate an anti CW thrust with
>a knife in the heart of the Amateur Radio Service? I hope I'm wrong. I hope
>I'm just paranoid. But why do I keep spinning the dial down the bands to talk
>with people who make me feel good about what I'm doing instead of feeling

>profoundly embarrased?

Now here's something you can flame me for...I think the pro-code attitute is
selfish and arrogant. You want to keep ham radio stuck in the way of the past
that will doom it. You may have the best of intentions, but I don't think you
know and understand what the future of the hobby has going for it in the next
fifty years. The loss of valuable spectrum we can see each time the FCC says
something is a direct result of the lack of growth because of efforts to keep
out anyone not willing to become like you. So what conclusions can I draw?
I work VHF, UHF, and planning to go digital, and am also interested in VHF
thru SHF SSB and CW and I am appalled by what I hear. How can I not associate
a "stick to traditions only" thrust with a knife in the heart of the Amateur
Radio Service. I hope I'm wrong. I hope I'm just paranoide. But why do I
keep spinning the dial down to the HF bands and hear people who make me feel
bad instead of feeling profoundly proud?
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -2436635071595236741
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 16:24:23 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!emory!
wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1495@ke4zv.UUCP>
Date: 1 Nov 90 00:24:23 GMT
References: <9217@b11.ingr.com> <1990Oct28.185659.11837@NCoast.ORG>
<531@chiton.ucsd.edu> <1990Oct30.203641.5283@athena.mit.edu> <535@chiton.ucsd.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 56
Posted: Thu Nov 1 01:24:23 1990

In article <535@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
>By not requiring it you are denying the necessary exposure to it that will
>allow new OPs to make their own decision. CW is HARD. Human nature being what
>it is, sometimes it is necessary to require something unpleasant to get beyond
>the early learning curve. The number of hams I know personally who tell me
>that they are glad that they were exposed to CW far outweigh those who think
>the experience was bogus.

Could this be because you talk mostly to CW operators? Most of the posters
to this net who support mandatory Morse testing claim that Morse is easy
to learn and that anyone can do it. When you poll people at a Baptist
tent meeting, most of them will tell you that only Baptists are going to
heaven. If you poll the general population, you will get a different answer.

The fallacy of polling amateur operators about CW is that you are polling
a self selected sample and are ignoring all those who tried to become
amateurs but failed due to the Morse requirement.

>Now here's something you can flame me for...I think the no-code attitude is
>selfish and arrogant. You want to change ham radio in ways that I think will
>destroy it. You may have the best of intentions, but I don't think you know
>and understand what has kept the hobby alive for the past fifty years. The
>deterioration of good operating procedures we all now hear on the bands is a
>direct result of the loss of the sense of fraternity and tradition that I still
>hear on CW. So what conclusions can I draw? I work VHF,UHF,digital and HF SSB
>and I'm appalled by what I hear. How can I not associate an anti CW thrust with
>a knife in the heart of the Amateur Radio Service? I hope I'm wrong. I hope
>I'm just paranoid. But why do I keep spinning the dial down the bands to talk
>with people who make me feel good about what I'm doing instead of feeling
>profoundly embarrased?

I think you are wrong. The deterioration of good manners among younger people
is a reflection of society in general that has nothing to do with CW. Remember
that all the bad operating practice that you hear today is from people that
HAD TO PASS A CW EXAM. In fact some of the worst offenders hold Extra class
calls.

One of the reasons that the operators in the CW subbands are marginally
more mannerly is that many of them are older and were raised in a more
mannerly society. Another reason is that the communications rate is so slow
that real flamefests are hard to maintain.

Amateur radio needs explosive growth in the UHF and Microwave spectrum to
have any hope of holding on to these allocations. Amateur radio needs a
"critical mass" of operators in the UHF/SHF bands to support real computer
networking. US society needs more people with an interest in technical career
fields. Hooking more people on a technical hobby is instrumental in steering
them to a technical career. Saddling potential recruits with a requirement to
learn a mechanical skill most of them consider mere hazing is counterproductive
to these goals.

I consider it neither selfish nor arrogant to be willing to accept crowding
and some obnoxious behavior on my favorite UHF/SHF bands as part of the price
of achieving the goals of saving the bands for amateur use and interesting more
people in technical pursuits.

Gary KE4ZV

From 4288777456524246243
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a37d30a0f86c9e4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 16:35:28 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio

```
Subject: Re: extra callsigns
Keywords: calls
Message-ID: <1990Oct31.053545.26438@ux1.cso.uiuc.edu>
Date: 31 Oct 90 05:35:45 GMT
References: <1990Oct26.223332.25810@ux1.cso.uiuc.edu> <4319@altos86.Altos.COM>
Organization: University of Illinois at Urbana
Lines: 18
Posted: Wed Oct 31 06:35:45 1990

jerry@altos86.Altos.COM (Jerry Gardner) writes:
>Hey, that would be neat.  I could apply for W6AM--instant recognition in
>DX pileups :-)

You and who else?

Actually I did not suggest (yet) assigning them by request, but just go
back and assign the old unused ones at random.

But if there was an assignment process, that would be OK.  There should
be SOME way to get access to those calls.

But I think that getting a callsign by request should be PAID FOR.  It is
no different than a vanity car license plate.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From 4256335958734262344
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20b648d13d40bab8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 16:42:00 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!usc!apple!altos!
altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Re: Magnetic Loop Antennas
Message-ID: <4327@altos86.Altos.COM>
Date: 1 Nov 90 00:42:00 GMT
References: <1594@csisles.Bristol.AC.UK>
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 25
Posted: Thu Nov  1 01:42:00 1990

In article <1594@csisles.Bristol.AC.UK> raina@CompSci.Bristol.AC.UK (Sanjay Raina)
writes:

}I have come across a glossy flier on an HF  Magnetic loop antenna
}manufactured in the UK by CAP. CO Electronics.
}Among the features claimed are :-
```

```
}* occupies only 80cm to 4m of space
}
.
.
>Being a flat-dweller and rather unsettled ( I tend to change flats very
}frequently), it seems to be ideal for DXing, which I miss at the moment.
}CAP. CO claims that as compared to a beam 60 to 80 ft long, thir antenna
}is only 1 to 1.5 S units down on 20/15/10 metres.
}        ^^^^^^^^^^^^^^^^^^^^^
```

If you believe this, I've got some beach-front property on Mercury you may be interested in...

```
--
Jerry Gardner, NJ6A                         Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos!jerry   2641 Orchard Parkway
Internet: jerry@altos.com                   San Jose, CA  95134
Guns don't kill people, bullets do.                       (408) 432-6200
```

From -5060190948177783242
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29d9abd44f737d26
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10d431,29d9abd44f737d26
X-Google-Attributes: gid10d431,public
X-Google-Thread: 105d97,29d9abd44f737d26
X-Google-Attributes: gid105d97,public
X-Google-Thread: 107518,29d9abd44f737d26
X-Google-Attributes: gid107518,public
X-Google-ArrivalTime: 1990-10-31 17:12:55 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!mit-eddie!uw-beaver!rice!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: sci.electronics,misc.consumers,rec.audio,rec.ham-radio
Subject: Re: Need Modest Public Address System
Message-ID: <1496@ke4zv.UUCP>
Date: 1 Nov 90 01:12:55 GMT
References: <90303.202207DBG@SLACVM.SLAC.STANFORD.EDU>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Followup-To: sci.electronics
Organization: Gannett Technologies Group
Lines: 50
Xref: gmdzi sci.electronics:9394 misc.consumers:2245 rec.audio:6213 rec.ham-radio:16393
Posted: Thu Nov 1 02:12:55 1990

In article <90303.202207DBG@SLACVM.SLAC.STANFORD.EDU> DBG@SLACVM.SLAC.STANFORD.EDU writes:
>
>Does anyone have relevant experience with PA systems for modest-size

>groups? We don't want a bull-horn, and don't need rock-band volume, but
>want good fidelity and enough volume to handle say 100 people inside a
>community-center-type room (typically hard walls, tile floor, acoustic
>tile ceiling).

There are numerous tradeoffs in a PA system. The fidelity/cost tradeoff is one of the toughest. First let me urge you to avoid wireless microphones if possible. Good wireless systems with diversity receivers and using crystal controlled clear frequencies (requiring a license) are very expensive. Nothing less is satisfactory except in rare conditions. Without diversity reception you will have null zones with sudden fades and odd noises. Without crystal control you will have drift problems similar to those you described. Expect to pay upwards of $1000 for a decent wireless microphone system.

If possible use a podium mounted stick mic such as an Electro Voice EV635, this is the best all around microphone you can buy. It's extremely rugged, you can drive nails with it, and it has good voice fidelity. Most broadcasters use it. If the speaker must move about, use a lapel mic like a Sony ECM50 or let him hand hold the EV. Using a hand mic properly is a skill that some speakers find difficult to master. These are professional microphones in the $50 to $90 dollar class.

For a hall holding 100 people you need an amplifier of about 50 watts. With very efficent speakers you can get away with 20 watts. You will need an equalizer to balance the system and prevent feedback. Bogen makes a suitable amp for about $150. If the PA is to be a permanant installation, ceiling mounted speakers sprinkled about the hall are best. No one gets blasted and people in the back can hear clearly. Cost will be about $10 each for 5 inch ceiling mount speakers and 70 volt line transformers. Otherwise you will need two or three floor standing speaker cabinets. If you want good fidelity, and you do else feedback becomes very difficult to control, these can be very expensive. Expect to pay at least $150 each for floor standing speakers. You can make suitable speakers yourself out of plywood and speaker components by EV or even Radio Shack. Cost about $50 each.

An empty hall and one containing 100 people have very different acoustics. Try to get some volunteers to sit in the seats while you are equalizing the system. Otherwise you will be unpleasantly surprised. Also a system that sounds plenty loud in an empty hall will be inadequate when sound absorbing bodies are present. Try to do all your testing with the hall filled.

So with care you can put together a system for around $300 that will do a fine job. Get to know your local sound reinforcement technicians and the distributors where they shop. You'll learn a lot.

Gary KE4ZV

```
From 8233946816185118529
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,87eb3dd38488653d
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1990-10-31 18:04:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!netcom!mcmahan
From: mcmahan@netcom.UUCP (Dave Mc Mahan)
Newsgroups: rec.ham-radio
Subject: Re: Computer interface for SuperMorse CW decoding
Message-ID: <15908@netcom.UUCP>
Date: 31 Oct 90 05:57:20 GMT
References: <272CA7BB.12879@orion.oac.uci.edu>
Organization: Dave McMahan @ NetCom Services
Lines: 45
Posted: Wed Oct 31 06:57:20 1990

In a previous article, eaiu063@orion.oac.uci.edu (Byon Garrabrant) writes:

> I have been trying unsuccessfully to build an interface to
>my PS/2 so SuperMorse can decode the CW off my radio. I
>first tried a tone decoder circut, with little luck. Then,
>following some advise I read on this net, tried using an
>op-amp. If someone has accomplished
>this or knows how to convert the presence of a tone to
>the closing of input pins on an RS232 port, I would be
>forever indebted!

I would suggest that you use a comparator IC (LM-339) as the input to the desired circuit. This can be connected directly to the audio output of the radio and use a voltage threshold to determine where the comparator trips. For a reference on this part, look in the National Semiconductor Linear Databook. The output of the comparator will be a square wave driving an open collector output of the comparator gate. Use a 1 Kohm pullup resistor to your supply on the output to create a TTL-compatible signal. Run this into a re-triggerable one-shot such as the 74122 or 74123, available from several vendors. This is a TTL IC that can be used to stretch a pulse from a narrow width to a wider one. You should pick a time constant value is about 2.5 times the time period of the incoming tone. This will cause the output of the retriggerable one-shot to go high and stay high during the presence of a tone and drop if the tone is missing for two or more time periods. This will will be the desired signal you need to feed into your CPU. Now, you just have to convert from TTL levels to RS-232 levels. This can be a bit tricky, but using a chip such as the MAX-232 from Maxim or equivilent parts from TI or Motorola will do the job. The problem with this level conversion is that you need +/- 15 volts, which is not usually available easily. The chip mentioned has an internal converter that generates the required +/- 15V levels internally and uses it for the RS-232 drivers. It also has some line receivers that convert from RS-232 levels to TTL levels. Finally, connect the RS-232 level outputs to your PC and have some fun!! This project will require 3 chips, two of which are pretty common. The MAX-232 chip may be a bit tough to obtain, but call a Maxim distributor or rep in your area and ask for a sample or two. This circuit will work on 5 volts DC, which I assume you have available for your use.

> Byon Garrabrant

-dave

--
Dave McMahan   mcmahan@netcom.uucp
{apple,amdahl,claris}!netcom!mcmahan

From -7721392024095725476
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 18:09:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Oct31.045731.21194@ux1.cso.uiuc.edu>
Date: 31 Oct 90 04:57:31 GMT
References: <9217@b11.ingr.com> <1990Oct28.185659.11837@NCoast.ORG>
<531@chiton.ucsd.edu> <1990Oct30.203641.5283@athena.mit.edu>
Organization: University of Illinois at Urbana
Lines: 22
Posted: Wed Oct 31 05:57:31 1990

tmurphy@athena.mit.edu (Thomas C Murphy) writes:
>Actually, if you look back at the various messages on the subject,
>nobody has suggested denying morse to anyone, just not requiring it.
>It's misunderstandings like this that contribute to the problem.

Let's look at the extremes:

ONE EXTREME:

Force every ham to learn Morse code

OTHER EXTREME:

Deny every ham the use of Morse code

MIDDLE:

Let every ham choose for themselves
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -1599258004024656565
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4028b889d8738e2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 18:12:26 PST

Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!crackers!jjmhome!km3t
From: km3t@jjmhome.UUCP (Dave Pascoe KM3T)
Newsgroups: rec.ham-radio
Subject: Re: CQWW SSB
Summary: hardware isn't everything
Message-ID: <8349@jjmhome.UUCP>
Date: 1 Nov 90 02:12:26 GMT
References: <1156@larry.sal.wisc.edu> <1990Oct30.134312.20435@cbnewsj.att.com>
Lines: 24
Posted: Thu Nov 1 03:12:26 1990

In article <1990Oct30.134312.20435@cbnewsj.att.com>, k2ph@cbnewsj.att.com (The QRPer) writes:

> The preliminary total from PJ1B comes to not quite 60 million points.
> They made something like 21,105 Qs in 189 zones and 804 countries.
> The preliminary total for PJ9W comes to around 53 million points.
> Not too shabby. Haven't heard the total from P40V yet.

The outcome of the PJ9W vs. PJ1B competition is an example of how operator skill and team rhythm can overcome hardware factors. The PJ9W crew put on a tremendous effort and are to be commended. They had on the order of 100 operators/workers on Curacao and very impressive hardware, including a FULL-SIZE 3 element rotary yagi antenna for 75 meters.

Why they lost I can't be totally sure. And in the grand scheme of things it doesn't really matter. But I know many of the ops who went to PJ1B and I know they know how to operate. Additionally, they have operated from that part of the world many times more than most of the Finnish ops who were at PJ9W.

Both the PJ9W and PJ1B multi-multi teams are to be commended for two fine contest efforts! The CW competition should be an interesting one!
--
Dave Pascoe | Internet: km3t@jjmhome.m2c.org
            | UUCP: km3t@jjmhome.UUCP or ...!{harvard}!m2c!jjmhome!km3t

---

From -4670033514907220933
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9bb37c83a2a1f14e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 19:19:19 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Number of hams RISING?
Keywords: ham census, ARRL
Message-ID: <1990Oct31.042050.15615@ux1.cso.uiuc.edu>
Date: 31 Oct 90 04:20:50 GMT
References: <425@ssc.UUCP> <1990Oct27.003902@envy.bellcore.com> <459@ssc.UUCP>
Organization: University of Illinois at Urbana
Lines: 17

Posted: Wed Oct 31 05:20:50 1990

tad@ssc.UUCP (Tad Cook) writes:
>In article <1990Oct27.003902@envy.bellcore.com>, karn@envy.bellcore.com (Phil Karn) writes:
> Nevertheless, even if you ignore that factor the annual growth
>> rate is no more than about 5%, a heckuva lot lower than the growth rate
>> in, say, cellular telephones.

>Phil wants ham population growth rates similar to CELLULAR TELEPHONES?

I don't think that's what he wants. But I think he realizes we have to do something at minimum would approach that for a while lest we find cellular phones operating on 1240-1300 MHz, and many other services that ARE GROWING taking THEIR SHARE of the whole spectrum from us hams who won't use what we got.

--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -2470226976826247124
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 19:27:23 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Oct31.042611.16528@ux1.cso.uiuc.edu>
Date: 31 Oct 90 04:26:11 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct28.185659.11837@NCoast.ORG> <463@ssc.UUCP>
Organization: University of Illinois at Urbana
Lines: 19
Posted: Wed Oct 31 05:26:11 1990

tad@ssc.UUCP (Tad Cook) writes:
>So why does Brandon claim that Mr. Herbster is forcing CW on anyone? Why
>is liking Morse a crime on rec.ham-radio? Herbster didn't INVENT the
>Morse requirement!

Just to set the record straight:

There is NOTHING WRONG with liking Morse code. Lotsa people like Morse code.

But sometimes some people are expressing their opinions about the "no code" issue and mixing in the "I like" or "It's fun" points, and then someone else reads that and can't separate the issues.

If someone out there believes that liking Morse Code is a bad thing,

```
please state that clearly then get your asbestos ready.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From -6704664789407898913
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 19:41:28 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Oct31.050047.21899@ux1.cso.uiuc.edu>
Date: 31 Oct 90 05:00:47 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct28.185659.11837@NCoast.ORG> <463@ssc.UUCP>
<1990Oct30.195918.11041@portia.Stanford.EDU> <534@chiton.ucsd.edu>
Organization: University of Illinois at Urbana
Lines: 17
Posted: Wed Oct 31 06:00:47 1990

rec@chiton.ucsd.edu (Richard Currier) writes:
>In article <1990Oct30.195918.11041@portia.Stanford.EDU>
paulf@jessica.stanford.edu (Paul Flaherty) writes:
>>
>>The crime here is forcing a human being to spend time learning a skill that,
>>most likely, he or she will never really use.  From a utilitarian standpoint,
>>that's clearly immoral.
>>
>The crime here is denying a human being the opportunity to learn a skill that,
>most likely, he or she will use for life. From a utilitarian standpoint,
>that's clearly immoral.

Where's the crime?  WHO has suggested we deny someone the right to choose
to learn ANYTHING they want to learn?
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From -1522314449873059556
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a216816db9fc784
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 19:55:08 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!rpi!zaphod.mps.ohio-state.edu!
mips!public!rah
From: rah@public.BTR.COM (Richard A Hyde  rah@btr.com)
```

Newsgroups: rec.ham-radio
Subject: Re: Decoding Morse with a PC
Message-ID: <860@public.BTR.COM>
Date: 1 Nov 90 03:55:08 GMT
References: <9010301643.AA02988@ucsd.edu>
Organization: BTR Public Access UNIX, MtnView CA, Contact: cs@btr.com 415-966-1429
Lines: 40
Posted: Thu Nov 1 04:55:08 1990

| > I have been trying unsuccessfully to build an interface to
| >my PS/2 so SuperMorse can decode the CW off my radio. I
| >first tried a tone decoder circut, with little luck. Then,
| >following some advise I read on this net, tried using an
| >op-amp. This too was unsuccessful. Perhaps I am a little
| >less technical than I need to be. So, if someone has accomplished
| >this or knows how to convert the presence of a tone to
| >the closing of input pins on an RS232 port, I would be
| >forever indebted! Please reply to the net, as mail will
| >not be reaching me soon. Thanks again!!
| > Byon Garrabrant
|

The October 1990 issue of '73 magazine has an article on a hardware/software
sharware product called "Robo-Copy".

There is a schematic for building a receiver -> PC serial port interface
and an address for the software.

You can receive the Robo-Copy program (and it's 'C' source!) by sending
$5.00 + SASE + 1 formatted floppy (5" or 3" your choice) to:

Mike Hansen/WN9DYI
1405 Tanglewood Drive
Algonquin, IL 60102

Robo-Copy, a descriptive text file, and the 'C' source are also available
from the '73 bbs under the 73MAG SIG. The bbs number is (603) 525-4438

Robo-Copy is not copy protected and may be copied and distributed freely
for private use only [so says '73 magazine].

I'm attempting to interface this code to a Farallon MacRecorder (for the
Mac, of course). Should I ever get some free time, I'll post my results.

Rick

```
--
------------------------------------------------------------------------------
|   Richard Hyde  |  RaH@btr.com  |    This space intentionally left blank   |
------------------------------------------------------------------------------
```

From -4695116098011737777
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,87eb3dd38488653d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 23:21:49 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!ogicse!intelhf!agora!tima
From: tima@agora.uucp (Tim Anderson)
Newsgroups: rec.ham-radio
Subject: Re: Computer interface for SuperMorse CW decoding
Message-ID: <1990Nov1.072149.12486@agora.uucp>
Date: 1 Nov 90 07:21:49 GMT
References: <272CA7BB.12879@orion.oac.uci.edu> <15908@netcom.UUCP>
Organization: Open Communication Forum
Lines: 30
Posted: Thu Nov 1 08:21:49 1990

In article <15908@netcom.UUCP> mcmahan@netcom.UUCP (Dave Mc Mahan) writes:
>
> In a previous article, eaiu063@orion.oac.uci.edu (Byon Garrabrant) writes:
>> I have been trying unsuccessfully to build an interface to
>>my PS/2 so SuperMorse can decode the CW off my radio. I
>>first tried a tone decoder circut, with little luck. Then,
>>following some advise I read on this net, tried using an
>>op-amp. If someone has accomplished
>>this or knows how to convert the presence of a tone to
>>the closing of input pins on an RS232 port, I would be
>>forever indebted!

Have you looked at the November 1990 _Popular Electronics_?? There is an article on a 'radfax' decoder that seems to be able to handle radfax, RTTY, and Morse code also. Then again I could be totally wrong because I don't know my head from the proverbial whole in the ground... It seems, however, that (even though the article stresses that you should by some software from Australia) you could at least get some idea's as to how someone else attacked this problem. I seem to recall that they used an IC called a XR2211 FSK demodulator. FSK means Frequency Shift Keying, like the ON/OFF of Morse code, eh? I would suggest taking a look, however, because my neophyte brain is probably mis-interpreting the whole thing...

tima@agora.hf.intel.com

PS: Can I trust Panaxis Productions with a credit card number? I want to buy some 'educational' material along with a subscription to Electronics & Radio Hobbyist's Newsletter. No one seems to be at the other end of the phone, and I'm always a little cautious when it comes to things that are for 'educational' purposes...

From -4501158031822506939
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 00:17:35 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)

Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1J8XR11w161w@phoenix.com>
Date: 1 Nov 90 08:17:35 GMT
References: <1990Oct31.204736.29043@ux1.cso.uiuc.edu>
Organization: One Man Brand
Lines: 15
Posted: Thu Nov 1 09:17:35 1990

phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN) writes:

> I don't use CW either. But I can't copy anymore anyway, so what does it
> matter for me. I think there are a LOT of hams like me, who have just
> forgotten the code because they learned it just enough to get by the test

I think you will find that re-learning it is MUCH easier than learning it the first time. Not quite like learning to ride a bike, but similar.

"Arinth is a beautiful planet." "Oh, have you been there?"
"Yes, but not yet." The Doctor. (TB)

From -5281299374591448676
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f686d50d0f420c4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 01:23:59 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!kannel!tuomi
From: tuomi@lut.fi (Pasi Tuomi)
Newsgroups: rec.ham-radio
Subject: IC-2SE-help
Message-ID: <TUOMI.90Nov1102359@kannel.lut.fi>
Date: 1 Nov 90 09:23:59 GMT
Sender: tuomi@lut.fi (Pasi Tuomi)
Distribution: rec
Organization: Lappeenranta University of Technology, Finland
Lines: 16
Posted: Thu Nov 1 10:23:59 1990

Help needed !

I do have a problem.
Does anyone know how to skip channel in IC-SE (U.S. IC-2SA) ???
It would be nice to get other info about that rig (extended freq.range
etc.)

Please e-mail answers

****
**** tuomi@kannel.lut.fi *****
****

THANKS, Pasi OH3NPS/OH5NPS

From -2247092454362839402
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1815fbc727d74a19
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 02:15:50 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!ncar!umigw!rsmas!eakin
From: eakin@rsmas.miami.edu
Newsgroups: rec.ham-radio
Subject: Questions on ground for HF verticals
Message-ID: <10416.272e8f79@rsmas.miami.edu>
Date: 31 Oct 90 12:46:49 GMT
Lines: 20
Posted: Wed Oct 31 13:46:49 1990

In my search for the perfect ground floor condo vertical, I have come up
against a question. Being inexperienced with HF verticals, I'm wondering how
well earth ground really works.
I can probably bury a limited amount of wire, but not nearly the length
required for 20-40m radials.

Basically, would I be better off mounting the vertical on the ground rather
than adding, say, 10-20' of elevation?

How well will ground mounting work to eliminate the need for radials?

Thanks,

73 de Mark
--
C. Mark Eakin
Internet: Eakin@RSMAS.miami.edu
Amateur Radio: N4SYK   Packet Radio: N4SYK@AB4LU.FL.USA.NA
USnail: Univ. of Miami, RSMAS-BLR, 4600 Rickenbacker Cswy. Miami, FL 33149-1098

From -4858524094231716437
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,357b4e354df9c454
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 03:30:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
CRDEC8.APGEA.ARMY.MIL!pjstopa
From: pjstopa@CRDEC8.APGEA.ARMY.MIL ("Peter J. Stopa")
Newsgroups: rec.ham-radio

Subject: Radial-less Vertical for Condo
Message-ID: <9010310820.aa14336@crdec8.apgea.army.mil>
Date: 31 Oct 90 13:20:38 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 26
Posted: Wed Oct 31 14:20:38 1990

This is in response to a posting by Mark. I have a similar problem.
The solution: The Ramada Resonator- an article in 73 about 5 years
ago.

The antenna consists of a Slinky (about $4.00- if you can still find the
metal ones) elongated along a piece of PVC or wood. Feed it like a random
wire from your tuner. Be sure to use a counterpoise ground, as a minmum.
I have also fed it with coax, with the shield going to a "radial" which
I through around the backyard.

The antenna loads from 160 to 10m- gets a little finnicky (High Q?) on 80
and 160, and a little hot on 40- I can probably fix this by changing the
length of the feed wire.

For a ten buck investment, I am on the air and work DX with it from my
antenna resticted townhouse. This might be something worth looking into.

Peter J. Stopa, KA3LKQ
U.S. Army Chemical Research, Development, and Engineering Center
Aberdeen Proving Ground, MD.

The usual disclaimers apply. These are my opinions and not those of the DOD.

From -5268838114102603628
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,297f2908ca50d602,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 04:31:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!
ucbvax!OCVAXA.CC.OBERLIN.EDU!FZINN
From: FZINN@OCVAXA.CC.OBERLIN.EDU
Newsgroups: rec.ham-radio
Subject: old tube radio: HQ-129X
Message-ID: <0FE901293F9F6065C4@OBERLIN.BITNET>
Date: 31 Oct 90 12:58:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11
Posted: Wed Oct 31 13:58:00 1990

Richard Kronstad---I have the manual that came with the HQ-129X, which is a receiver not a transceiver. lI would be glad to send you a copy. It isn't very long.

While we are on this topic, does anyone on the list have a suggestion for a place to buy/sell old tube equipment like the HQ-129X, Hallicrafters, etc.? Thanks for suggestions.

Grover A. Zinn, Jr.
FZINN@OBERLIN
ex-W5VYU.

From 4697784694545232868
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,18492aa35b0c6c7c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 06:35:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!usc!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!VUVAXCOM.BITNET!BESSON
From: BESSON@VUVAXCOM.BITNET
Newsgroups: rec.ham-radio
Subject: Identifying mobile antennas
Message-ID: <9011011437.AA26354@ucsd.edu>
Date: 1 Nov 90 14:35:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11
Posted: Thu Nov 1 15:35:00 1990

I see alot of different short mobile antennas which have a helical section and a straight section. And there seem to be many variations of this design, especially with regard to the total length. Are these all for cellular phones? If not, can one tell from the appearance what bands they are operating in? Some of these have a large base containing (I assume) a loading coil. Can one only guess at what they are running?

Thanks in advance.

Morgan Besson
Villanova Univ.

From -6227438995952191480
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 06:36:17 PST
Path: gmdzi!unido!mcsun!uunet!midway!ncar!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing

```
Message-ID: <287.273048F2@w8grt.fidonet.org>
Date: 1 Nov 90 14:36:17 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 42
Posted: Thu Nov  1 15:36:17 1990


 > From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
 > Date: 31 Oct 90 20:42:19 GMT
 > Organization: University of Illinois at Urbana
 > Message-ID: <1990Oct31.204219.27791@ux1.cso.uiuc.edu>
 > Newsgroups: rec.ham-radio
 >
 > joeb@uswat.uswest.com ( Joe Bushinski #350  x2026 ) writes:
 >
 > >Really Paul. Who told you that you MUST learn Morse. Apparently you
 > >wanted the ham ticket, so YOU told yourself that YOU wanted to learn the
 > >code. I don't see any one FORCING any body else to learn Morse. Get
 > >real. Assuming that you are in college (From your usenet address) or work
 > >there, I can just imagine that you are only taking classes (or have taken
 > >them) that you will use in the future eh?
 >
 > Have you been hiding for the past several years?  The issue is whether
 > or
 > not a Morse Code test should be a part of every possible means to get
 > access
 > to a public resource, part of which does not have any need of that skill
 > whatsoever.

[...minus some good stuff...]

 > Then there is the issue of whether or not the government should be
 > letting those who happen to have use of the spectrum now dictate the
 > measure of how to let others access that spectrum in the future.
 > If we don't straighten ourselves up, we may find someone like Congress
 > doing it for us, their way.

You put it very well, and I concur completely except for your fear of Congress.
We have the best Congress money can buy. [:-(

--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"


From -8603389493041631415
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ec7f4551d1078403,start
```

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 06:41:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
fab8.intel.com!rharel
From: rharel@fab8.intel.com (CAL-LAB (MS:JER2-85 TEL:7589))
Newsgroups: rec.ham-radio
Subject: Am I an Outlaw if...
Message-ID: <9011011441.AA17784@hermes.intel.com>
Date: 1 Nov 90 14:41:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4
Posted: Thu Nov  1 15:41:08 1990

Does driving in New Jersey with a Japanese made mobile 2 meter transciever
in my car - which is capable of receiving and scanning from 138-174 Mhz
make me an outlaw ??? Where do hams stand with the Law in the State of New
Jersey ?


From 5281832515671999850
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,297f2908ca50d602
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 07:31:53 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!
hpda!hpcuha!jimallen
From: jimallen@hpcuha.cup.hp.com (Jim Allen)
Newsgroups: rec.ham-radio
Subject: Re: old tube radio: HQ-129X
Message-ID: <32700002@hpcuha.cup.hp.com>
Date: 1 Nov 90 15:31:53 GMT
References: <0FE901293F9F6065C4@OBERLIN.BITNET>
Organization: Hewlett Packard, Cupertino
Lines: 11
Posted: Thu Nov  1 16:31:53 1990

I buy, sell, and sometimes
trade tube stuff.  Let me
know what you have, need,
etc.

Regards,

Jim Allen

408-447-4802 d
415-968-0640 n


From -1732935181680717280
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bef7f0615b111d6,start
```

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 08:32:53 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!apple!sun-barr!newstop!west!sunburn.West.Sun.COM!flloyd
From: flloyd@sunburn.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242)
Newsgroups: rec.ham-radio
Subject: A Proposal
Summary: Let's get on with it...
Message-ID: <1147@west.West.Sun.COM>
Date: 1 Nov 90 16:32:53 GMT
Sender: news@west.West.Sun.COM
Organization: Sun Microsystems, Mt. View, Ca.
Lines: 45
Posted: Thu Nov 1 17:32:53 1990

I would like to propose a new news group:

rec.ham-radio.endless-cw-debate.

I get the impression that there is probably a majority of readers in rec.ham-radio that feel the same way as I do.

I for one am tired of the endless ranting and raving about this topic which in all probability does not have an ending. Perhaps we need an acronym for this topic just like the rec.humor readers made with YALBJ (Yet Another Light Bulb Joke) - insert YA..CW.. here.

Okay, I could start a Kill file, or just shut up and live with it as many are already doing. On the other hand, since this is a place for expressing opinions, then now is just as good a time as any for me to express mine:

> The CW topic is completely worn-out, unresolved and emotionally charged, much like a religeous debate. Why don't we get back to the fun part of this newsgroup and just give it a rest? There must be other more interesting things to discuss around here. How about it?

To those anti-coders who note that I'm an Extra and would prefer to flame me by direct e-mail, don't bother, you're wasting your time as well as mine. I've had the same dumb experiences in getting there as everyone else. My general views on the subject are liberal and so I won't bore you with them. My point is that this subject has gone virtually nowhere in the past several years so why not let it go the way of the previous rathole discussions like:

Pizza via autopatch
Transmitting out of band (Let's hope it's dead)
etc.

C'mon folks, let's dump this and get on with having some fun!

73's, -fred

```
--
| Fred Lloyd  AA7BQ                             flloyd@West.sun.com |
| Sun Microsystems, Inc.                                 ...sun!flloyd |
| Phoenix, AZ                                                          |
```

From 8488532790958904294
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 08:39:51 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <5suyR5w161w@phoenix.com>
Date: 1 Nov 90 16:39:51 GMT
References: <146@platypus.uofs.edu>
Organization: One Man Brand
Lines: 55
Posted: Thu Nov 1 17:39:51 1990

bill@platypus.uofs.edu (Bill Gunshannon) writes:

>
> The No-Code people are advocating it's elimination from the test, not the
> banning of CW. The Pro-Code people equate non-testing with forbiding it's
> use.

The no-code arguments I usually hear involve the creation of a license that has no code privileges. This is forbidding the use of code to those who have a no-code license, just like techs are forbidden to use voice below 6m. Thus, it is most no-code people who want a prohibition on code.

If the guvviment gives you a code privilege, it should test you on it to make sure you have rudimentary ability to use it. Just like the privilege you get to build your own radios has a test to make sure you have a rudimentary knowledge of how to do it. Or at least how to keep from burning up a lot of valuable electronic parts in the process.

WARNING WARNING Facetious paragraph follows...

Aha. Many hams don't build their own radios. Let's create a non-technical license, in the ham bands, for people who buy everything off the shelf. Allow no technical changes or construction. Just plug it in and Yak Yak Yak.

END OF FACETIOUS PARAGRAPH.

> If anyone wants to learn it, fine, but I still haven't seen any LOGICAL

> reason for making everyone do it.

1. If the privilege exists, it needs to be tested to some low level so the learning takes place on a practice oscillator instead of the airwaves. If you think 5 wpm is slow, what do you think 1 wpm would sound like?

2. The international treaties governing radio demand it for activity below 30 MHz. As all current ham licenses have privileges below 30 MHz, it is required for all current ham licenses.

If you want to create a special no-code license, these reasons are not relevant. However, as you seem to want just to eliminate it from the test without prohibiting its use, they are both logical and valid.

FLAME WARNING: this is neither support for, nor argument against, a NO-CODE license of different privileges than current licenses. It is an argument for the continuation of CW testing for the current licenses. All flames, either way, may be sent to /dev/null or NL:.

<> "Aneth! That's a charming place!" "You've been to Aneth?"
<> "Yes, but not yet." -- The Doctor and Seth, "The Horns of Nimon".
><
<> "Sanity check!" "Sorry, we can't accept it, it's from out of state." - me

---

From -7173585357858456852
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 09:10:46 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!network.ucsd.edu!dcdwest!plb
From: plb@dcdwest.uucp (Phil Blais)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov1.171046.21620@dcdwest.uucp>
Date: 1 Nov 90 17:10:46 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp> <1990Oct28.185659.11837@NCoast.ORG> <463@ssc.UUCP> <1990Oct30.195918.11041@portia.Stanford.EDU>
Organization: ITT Defense Communications Division - West
Lines: 21
Posted: Thu Nov 1 18:10:46 1990

In article <1990Oct30.195918.11041@portia.Stanford.EDU> paulf@jessica.stanford.edu (Paul Flaherty) writes:
....Stuff Deleted
>
>The crime here is forcing a human being to spend time learning a skill that,

>most likely, he or she will never really use. From a utilitarian standpoint,
>that's clearly immoral.
>
>-=Paul Flaherty, N9FZX | Life is an inherent shift - reduce conflict.
>->paulf@shasta.Stanford.EDU |

Please keep track of how many courses you are REQUIRED to take there at
Stanford (assuming ur a student). In abt 20 years please post to the net
how many of those (forced) learned skills you are or are not using. If
you find that you are not using most or all of them does it also follow
that Stanford as well as all other universities etc. which require certain
minimum requirements to obtain a diploma are also "from a utilitarian
standpoint" immoral and possibly criminal? (-;
--
phil blais N6KXD (ex WD6ETL)   ITT   Aerospace Communications Division
dcdwest!plb@ucsd.edu   DEFENSE   10060 Carroll Canyon Road
ucbvax!ucsd!dcdwest!plb   San Diego, CA 92131

From 4643407097776052705
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20b648d13d40bab8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 10:01:29 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: Magnetic Loop Antennas
Message-ID: <46208@apple.Apple.COM>
Date: 1 Nov 90 18:01:29 GMT
References: <1594@csisles.Bristol.AC.UK> <4327@altos86.Altos.COM>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 69
Posted: Thu Nov 1 19:01:29 1990

jerry@altos86.Altos.COM (Jerry Gardner) writes:

>In article <1594@csisles.Bristol.AC.UK> raina@CompSci.Bristol.AC.UK (Sanjay Raina) writes:

>}I have come across a glossy flier on an HF Magnetic loop antenna
>}manufactured in the UK by CAP. CO Electronics.
>}Among the features claimed are :-
>}* occupies only 80cm to 4m of space
>}
>.
>.
>>Being a flat-dweller and rather unsettled (I tend to change flats very
>}frequently), it seems to be ideal for DXing, which I miss at the moment.
>}CAP. CO claims that as compared to a beam 60 to 80 ft long, thir antenna
>}is only 1 to 1.5 S units down on 20/15/10 metres.
>}   ^^^^^^^^^^^^^^^^^^^^^

>If you believe this, I've got some beach-front property on Mercury you may
>be interested in...

Lava beach, Jerry, I expect. :-) :-)

The claims are a little farfetched, I agree; but not *that* farfetched, IMHO. Notice he mentioned 4m (!) of space. Heck, that is 0.2 lambda at 20 meters. Notice that the ad emphasized the size of beams by saying that they are tens of feet in size and casually saying that you "only" need 4m of space for the loop. In the same vein, can I claim that a 5/8 wavelength vertical for 20m only takes a square foot of ground?

A vertically-mounted small-loop has the same directivity pattern as an E-field dipole (honest! only E and H terms are swapped). A 4 element Yagi-Uda has a, what, 8-9 dB gain over a dipole?

Notice that a 4m by 4m loop will have an equivalent small-loop radiation resistance of damn close to 50 ohms. Granted, at that size, 31200*(A/lambda^2)^2 (I think that is correct, A = area of loop) no longer holds; but it is an indication that loss resistance is now quite well controlled; and thus the loop efficiency can be quite high.

A 9 dB difference is about 1.5 S-units.

Don't knock small-loops, as long as it is not *too* small :-). The lambda^4 effect is quite amazing. Using the radiation resistance equation above, and assuming that it is a square loop that is m*lambda on a side, we get

m (in wavelengths)	radiation resistance
0.05	0.2 ohms
0.1	3 ohms
0.2	50 ohms.

I tend to believe that it is going to be difficult to get a decent efficiency out of the 80cm loop mentioned in the ad. It is a little smaller than .05 lambda at 20m. Interesting that this is about the size of the AEA Isoloop, eh?

I have started to play around with small loops, comparing them against the physically-small helical antennas that I have played with before this. Living in an apartment (flat-dwelling, cliff-dwelling, call it what you want :-) makes experimentation with physically-small antennas a neccessity .... ..

73,

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

```
From -1840744805305467541
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 10:09:55 PST
Path: gmdzi!unido!mcsun!uunet!ingr!b11!herbster
From: herbster@b11.ingr.com (Joe Herbster)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Summary: misunderstood
Message-ID: <9288@b11.ingr.com>
Date: 1 Nov 90 18:09:55 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct28.191442.16979@bellcore-2.bellcore.com>
Organization: Intergraph Corp. Huntsville, AL
Lines: 23
Posted: Thu Nov  1 19:09:55 1990

> >3)    FRIENDLY.  CW at 15wpm+ lopes along at an easy conversational pace [..]
> >4)    HISTORIC.  [...]
> >5)    REWARDING.  Communicating via CW is a "SKILL" [...]
>
> Herbi,
>
> Points 3, 4 and 5 are personal opinions. Points 1 and 2 are provably false
> assertions. See my Reply Comments on PR Docket 90-55 for the details; I
> posted it here back in early September.
     Points 3, 4, and 5 are FACTS that anyone who uses CW would know.
> None of your points constitute valid arguments against a codeless license,
> although you are perfectly free to promote voluntary proficiency in or
> use of CW by anyone who will listen.
     WHERE IN THE HECK DID I EVER SAY THESE WERE ARGUMENTS AGAINST THE NO
     CODE LICENSE???  Someone asked "what was so special about CW" and
     i answered it.  I feel it is special and stated why.  I couldn't
     care less whether there is a no-code or no-exam license unless in
     imposes on my enjoyment of the hobby.

     Why do the no-coders get so paranoid and uptight at the slightest
     mention of CW??  Its not the "boogie-man" guys.....

     Herbi, KM4JN


From 7996384816474673952
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20b648d13d40bab8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 10:55:25 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!newstop!texsun!moxie!texbell!
swbatl!ken
From: ken@swbatl.sbc.com (Ken Gianino 5-9081)
```

Newsgroups: rec.ham-radio
Subject: Re: Magnetic Loop Antennas
Message-ID: <1990Nov1.185525.1094@swbatl.sbc.com>
Date: 1 Nov 90 18:55:25 GMT
References: <1594@csisles.Bristol.AC.UK> <4327@altos86.Altos.COM>
Organization: Southwestern Bell Advanced Technology Laboratory
Lines: 17
Posted: Thu Nov 1 19:55:25 1990

In article <1594@csisles.Bristol.AC.UK> raina@CompSci.Bristol.AC.UK (Sanjay Raina) writes:
}I have come across a glossy flier on an HF Magnetic loop antenna
}manufactured in the UK by CAP. CO Electronics.
}Among the features claimed are :-
}* occupies only 80cm to 4m of space
>Being a flat-dweller and rather unsettled (I tend to change flats very
}frequently), it seems to be ideal for DXing, which I miss at the moment.
}CAP. CO claims that as compared to a beam 60 to 80 ft long, thir antenna
}is only 1 to 1.5 S units down on 20/15/10 metres.
>If you believe this, I've got some beach-front property on Mercury you may
>be interested in...

No, it's true. I've been using a magnetic quarter wave antenna on
2 meters for years. Performance is <identical> to a similar non-
magnetic quarter wave whip.

Ken - WB0QNA

From -3249217615983390351
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 10:55:46 PST
Path: gmdzi!unido!mcsun!uunet!ingr!b11!herbster
From: herbster@b11.ingr.com (Joe Herbster)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Summary: on and on
Message-ID: <9294@b11.ingr.com>
Date: 1 Nov 90 18:55:46 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct28.185659.11837@NCoast.ORG>
Organization: Intergraph Corp. Huntsville, AL
Lines: 88
Posted: Thu Nov 1 19:55:46 1990

In article <1990Oct28.185659.11837@NCoast.ORG>, allbery@NCoast.ORG (Brandon S. Allbery KB8JRR) writes:

> +---------------
> | 1)   EFFICIENT. CW is conservative of band spectrum. CW is "THE" QRP

>
> Fine, so CW is a good mode for getting through. It is efficient ONLY in terms
> of bandwidth, however; it absolutely flunks the test of efficiency in
> practical terms, e.g. information flow vs. time. And its inefficiency in that
> respect is the main reason it can get through when other modes can't.

Conservative of spectrum would be more accurate. It is efficient
ENOUGH for conversation. I do not think speak or read at 9600 baud
so why should i use more spectrum than is necessary to have a casual
conversation?? Of course my little FM dual-bander sure does sound
nice. Makes autopatching more conveneint :-)

> Moreover, this doesn't demonstrate a requirement for all hams to know or use
> it.

Nobody said it did!! More paranoid whining. All i did was answer a
question and i get accused of   "shoving CW down throats". If the no-coders spent 10% of the time wasted on whining about CW into learning
it, they would all be at 50wpm now.

> +---------------
> | 2)   SIMPLICITY. CW is the simplest form of communications to build a
>
> Transmitter, yes. Receiver, no. Or have you, presumably more experienced
> with older equipment than I, forgotten that one can build an AM reciever using
> a single crystal and very little else? Or even a nail?

Yes, lets get to nit picky extremes. Anything to slam the CW boogie
man. I think most readers got the point. It is the easiest mode to
put a station on the air for. BTW: AM is an outmoded archaic form of
communications.

> | 3)   FRIENDLY. CW at 15wpm+ lopes along at an easy conversational pace

> Good. Now why does this apply to ALL HAMS ALL HAMS ALL HAMS ALL HAMS ????????

Didn't say it did......(paranoid whining...)

> The favorite straw-man tactic: tell us why it's good in and of itself, not
> why it's so good that all hams ABSOLUTELY MUST WITH NO EXCEPTIONS learn it.

I have no idea on earth what you read. It certainly could not have
been my posting which made no political or judgemental statements
whatsoever.

> +---------------
> | CW may be used by the speech impaired, sight impaired, and

> This I will grant. It still doesn't make it exalted to the point where all
> hams MUST BY LAW WITHOUT EXCEPTION demonstrate proficiency in it.

Wow...we are sensative aren't we....kinda overly defensive.

> +---------------
> | 4)   HISTORIC. (this is where the flames will come from ;-) Samuel Morse
> So show me the line in Part 97 that states that amateur radio exists to
> provide a showcase for historical radio equipment and procedures. What *I*
> see in Part 97 is:
> [...on and on.....]

It always get to this....when desperate, quote regs. But we all know
there are many interpretations possible. I even know Preachers on TV
that can take a quote out of the Bible and tell me that it means I
should send them money.....

```
> I know the argument by tradition / history is common, but an argument by
> *sentimentality*???!  Oh, come on.  This one doesn't even deserve refutation.
> Relevance index:  zero.
     Lighten up dude...it was a joke :-)  The whole thing was not posted
     to be refuted.  It was a lighthearted answer to a leading question.
> +---------------
> | 5)   REWARDING.  Communicating via CW is a "SKILL" and thus rewards the
>
> Communicating via QRP SSB is a SKILL and thus rewards the operator with a
> sense of accomplishment and satisfaction.
     Where is the skill in talking into a microphone??  We all know that
     CW is more of a skill than any voice mode or the code bashers wouldn't
     be whining so much about it. :-)  (better not forget the smileys this
     time or someone may take it serious)
> And please demonstrate that this applies to all hams, and that this is the
> ONLY way to gain a sense of accomplishment and satisfaction.
     No.  I see no need to bolster an argument i never made.

     I sure hope all the future communicator class folks are not this
     nit-picky-defensive-condescending-rude on the air.....I prefer
     casual friendly conversation.  All this whining is tiresome.  In the
     future, i would hope that the paranoid no-coders would actually READ
     a posting before making conclusions as to the poster's political
     stance.  Show me where in my original posting that i said ONE thing
     to deserve all these accusations of "shoving code down throats"??

     Many thanks to Tad Cook for providing some sanity to this group.

     Herbi  _._ __ ...._ .___ _.


From 1489262409805026647
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96989f54a4c159a4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fcd8b,96989f54a4c159a4,start
X-Google-Attributes: gidfcd8b,public
X-Google-ArrivalTime: 1990-11-01 10:56:56 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!auc!dag
From: dag@auc.UUCP (Daniel Gibson )
Newsgroups: rec.ham-radio,alt.desert-shield
Subject: Finding a MARS operator close to Saudi Arabia with an account on the
network
Keywords: MARS Kuwait usenet radio
Message-ID: <32503@auc.UUCP>
Date: 1 Nov 90 18:56:56 GMT
Organization: Atlanta University, Atlanta, GA
Lines: 17
Xref: gmdzi rec.ham-radio:16414 alt.desert-shield:94
Posted: Thu Nov  1 19:56:56 1990

HELP!!!!!!!! I am looking for a MARS operator that is on
```

the network. The reason is that I am hoping that I could
send my messages to that person and that later on
they could deliver it. I am trying I guess to be innovative
a little(well maybe not) in doing this. Hopefully this person or
persons will be closer to Saudi Arabia than I am now when I
send a MARS message.

Is there anybody out there?

Thank-You

Dan Gibson
--
UUCP:auc!dag
"...and maybe love is letting people be what they want to be..."
Does anybody need a heck of a programmer?

From 2393543707975125536
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 11:11:06 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!rpi!batcomputer!cornell!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!Dave.Stark
From: Dave.Stark@f218.n260.z1.FIDONET.ORG (Dave.Stark)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <184.2730C6B9@rochgte.FIDONET.ORG>
Date: 1 Nov 90 19:11:06 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 33
Posted: Thu Nov 1 20:11:06 1990

> That depends on what you call efficient.

If efficiency is measured in dollars and cents, I submit the following quote:

"[CW is] 50 cents a word while SITOR is around $2.40 a minute."
Aldon Cook, assistant to the Senior Electronics Researcher at Woods Hole Oceanographic Institute, quoted in the November, 1990 issue of Monitoring Times on page 8.

> CW is SLOW. Machine generated and machine decoded CW can do a marvelous
> job of efficiency, but that is limited to machines only (and certainly
> does not apply to testing the carbon-based units). The Morse

A factor that appears to be routinely ignored by those who want to compare CW with RTTY efficiency or reliability.

> But that which makes CW impressive does not apply to test
> PEOPLE's skills.

Right on!

My position? CW is OK for the people who enjoy it. I don't think it's a valid entry test for ham radio any more.

--
%
Dave.Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!Dave.Stark
INTERNET: Dave.Stark@f218.n260.z1.FIDONET.ORG
%

From 1019313328368554836
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3e1bec6306300a02
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 11:17:56 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!rpi!batcomputer!cornell!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!Dave.Stark
From: Dave.Stark@f218.n260.z1.FIDONET.ORG (Dave.Stark)
Newsgroups: rec.ham-radio
Subject: Re: why there is a cw test
Message-ID: <185.2730C6BB@rochgte.FIDONET.ORG>
Date: 1 Nov 90 19:17:56 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 26
Posted: Thu Nov 1 20:17:56 1990

> >
> > > Lessee.   If you want a license to transmit on the HF bands, you will
> find
> > > that there are two major and about equally popular ways in which
> >
> >   Plus TOR, FEC, Baudot RTTY, ARQ-Moore, packet, facsimile, SSTV
> > and others even more exotic.
>
> Uhhhhh....these are EQUAL to SSB and Morse in popularity on HF?
>
> Oh yeah....I forgot! You edited that part out!

Not really. The point of the argument seemed to be that the only modes worth considering from the standpoint of a Morse code test were voice and CW. There are other modes which, taken together, could rival those modes in popularity. Most of them are available in other countries and so could be used for international communications.

--
%
Dave.Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!Dave.Stark
INTERNET: Dave.Stark@f218.n260.z1.FIDONET.ORG
%

From 9222591376446762499
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 11:44:46 PST
Path: gmdzi!unido!mcsun!hp4nl!phigate!philica!geertj
From: geertj@philica.ica.philips.nl (Geert Jan de Groot)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <698@philica.ica.philips.nl>
Date: 1 Nov 90 19:44:46 GMT
References: <9217@b11.ingr.com> <1990Oct28.185659.11837@NCoast.ORG>
<531@chiton.ucsd.edu> <1990Oct30.203641.5283@athena.mit.edu> <535@chiton.ucsd.edu>
Reply-To: geertj@ica00.ica.philips.nl (Geert Jan de Groot)
Organization: Philips TDS, Innovation Centre Aachen
Lines: 64
Posted: Thu Nov 1 20:44:46 1990

In article <535@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
>By not requiring it you are denying the necessary exposure to it that will
>allow new OPs to make their own decision. CW is HARD. Human nature being what
>it is, sometimes it is necessary to require something unpleasant to get beyond
>the early learning curve. The number of hams I know personally who tell me
>that they are glad that they were exposed to CW far outweigh those who think the
>experience was bogus.

So is working with high-speed packet (> 32kbit/sec), yet it isn't required for a license. It is fun as well. There are sooo many things I enjoy with ham-radio every day, and after 10 years, I have yet to find the first opportunity where not knowing morris is a big loss.

Don't force others in your very narrowed view of ham-radio: HR has much more to offer, and many code-less hams in other countries prove that every day.

>Now here's something you can flame me for...I think the no-code attitude is
>selfish and arrogant. You want to change ham radio in ways that I think will
>destroy it.

How is it that I keep on hearing very worried stories about the average age of a US ham? How come, that I don't hear similar stories from other countries?
Other countries which have code-less licenses for may years have proven that

it is a Good Idea. Or at least, it's not as destructive as you say it is.

>   You may have the best of intentions, but I don't think you know
>and understand what has kept the hobby alive for the past fifty years. The
>deterioration of good operating procedures we all now hear on the bands is a
>direct result of the loss of the sense of fraternity and tradition that I still
>hear on CW.

The thing that kept the hobby alive wasn't forcing people to learn morse code,
but common interest into playing with radio and meeting friends with similar
interests. Back when everybody made contact using 0V1's, morse was very
important. Right now, there are other possibilities.
Morse is still enjoyable, but so are other modes. Let there be room for all.
Let people find out for themselves if they want to go into the very specific
mode you enjoy working. It is one of the archievements of ham radio that
we now have this choice.

>   So what conclusions can I draw? I work VHF,UHF,digital and HF SSB
>and I'm appalled by what I hear. How can I not associate an anti CW thrust with
>a knife in the heart of the Amateur Radio Service? I hope I'm wrong. I hope
>I'm just paranoid. But why do I keep spinning the dial down the bands to talk
>with people who make me feel good about what I'm doing instead of feeling
>profoundly embarrased?

You'll find those people everywhere. In fact, in my neighbourhood, most of
the people you described have a code-full license. They started code-less,
later added the code test.
On the other hand, most of the people I enjoy working with still have a
code-less license. They found other interesting modes and are now occupied
and don't want to not have time to learn morse code.
This is a bit extreme, but I hope it convinces that morse code tests and
bad manners don't neccessary are coupled.

>   AA6PN

[You should check your news software. The return address you give is likely
not to work. Shouldn't that be included in the ham radio exams nowadays :-)?]

73, Geert Jan PE1HZG
[That is a codeless license]

From 2905496996278175460
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,519415d8db5999b1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 12:06:46 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!usc!ucsd!ucbvax!ROSEVC.Rose-Hulman.EDU!DERRY
From: DERRY@ROSEVC.Rose-Hulman.EDU
Newsgroups: rec.ham-radio
Subject: IMHO
Message-ID: <0FB52DFA529F004F60@ROSEVC.Rose-Hulman.Edu>

Date: 31 Oct 90 20:09:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Wed Oct 31 21:09:00 1990

Whenever I see "IMHO", I can usually be sure that humbleness has nothing to do with it.

Also "IMO" means IN MY OPINION. No humbleness intended.

For a while I thought it must mean IT'S MY HORRIBLE OBSERVATION.

Anyway, if you edit it out of all communication, it still reads the same.

TNX ES 73 DE K9CUN
DERRY@ROSEVC.ROSE-HULMAN.EDU

From -1760854058898588324
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 12:12:46 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!apple!agate!shelby!
portia.stanford.edu!jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Oct31.201435.3905@portia.Stanford.EDU>
Date: 31 Oct 90 20:14:35 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct28.185659.11837@NCoast.ORG> <463@ssc.UUCP>
<1990Oct30.195918.11041@portia.Stanford.EDU> <12465@uswat.UUCP>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 31
Posted: Wed Oct 31 21:14:35 1990

In article <12465@uswat.UUCP> joeb@uswat.uswest.com (Joe Bushinski #350 x2026) writes:
>Really Paul. Who told you that you MUST learn Morse. Apparently you
>wanted the ham ticket, so YOU told yourself that YOU wanted to learn the
>code. I don't see any one FORCING any body else to learn Morse. Get
>real.

Part 97 clearly states that "the applicant must demonstrate a proficiency in Morse Code." Clearly, in order to obtain a license, I am forced to learn it. The implication which you're attempting to make is that "nobody forced me to obtain a license, so therefore nobody forced me to learn morse code", is a bad syllogism.

>Assuming that you are in college (From your usenet address) or work
>there, I can just imagine that you are only taking classes (or have taken
>them) that you will use in the future eh?

As a matter of fact, 1) I happen to be a student, and 2) I am taking some classes at the moment. I lay claim to the fact that I've never complained about having taken a "useless" class in my nine year (so far) academic career, simply because I consider everything I've taken to be of utility. In contrast, Morse Code does not meet this test; it is 1) a manual skill and not an academic pursuit, 2) a skill of questionable utility, a judgement that I have not made lightly -- you will recall that up until two years ago I did not support no-code.

The fallacy here is to assume that all pursuits have equal qualitative merit. For example, do you assume that learning to wash a floor and learning to design an amplifier have equal merit?

```
-=Paul Flaherty, N9FZX      | Life is an inherent shift -  reduce conflict.
->paulf@shasta.Stanford.EDU |
```

From -2419617736934145620
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e6b795f4091be33,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 12:53:22 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!udel!princeton!czar.Princeton.EDU!fuchs
From: fuchs@czar.Princeton.EDU (Ira Fuchs)
Newsgroups: rec.ham-radio
Subject: Messed up posting
Message-ID: <3784@idunno.Princeton.EDU>
Date: 1 Nov 90 20:53:22 GMT
Sender: news@idunno.Princeton.EDU
Reply-To: fuchs@czar.Princeton.EDU (Ira Fuchs)
Lines: 2
Posted: Thu Nov 1 21:53:22 1990

Sorry for my previous posting which was missing newlines. I shall fix it before re-posting.

From 3819508465452430153
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 12:55:45 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!sdd.hp.com!wuarchive!julius.cs.uiuc.edu!apple!vsi1!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <4330@altos86.Altos.COM>

Date: 1 Nov 90 20:55:45 GMT
References: <9217@b11.ingr.com> <1990Oct28.185659.11837@NCoast.ORG>
<531@chiton.ucsd.edu> <1990Oct30.203641.5283@athena.mit.edu> <535@chiton.ucsd.edu>
<1495@ke4zv.UUCP>
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 25
Posted: Thu Nov 1 21:55:45 1990

In article <1495@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:

}Amateur radio needs explosive growth in the UHF and Microwave spectrum to
}have any hope of holding on to these allocations. Amateur radio needs a
}"critical mass" of operators in the UHF/SHF bands to support real computer
}networking. US society needs more people with an interest in technical career
}fields. Hooking more people on a technical hobby is instrumental in steering
}them to a technical career. Saddling potential recruits with a requirement to
}learn a mechanical skill most of them consider mere hazing is counterproductive
}to these goals.

What makes you think dropping the code requirement will result in
explosive growth in amateur radio? I highly doubt we'll get the
annual growth rate up to even 5-7% with no-code.

Let's face it, ham radio just isn't the cutting-edge hobby it once was,
not with competition from computers, video games, etc. (none of which
require a license of any kind).

--
Jerry Gardner, NJ6A   Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos!jerry   2641 Orchard Parkway
Internet: jerry@altos.com   San Jose, CA 95134
Guns don't kill people, bullets do.   (408) 432-6200

From -2952423649079099589
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2a4a6504f74729b3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 13:39:43 PST
Path: gmdzi!unido!mcsun!uunet!abvax!iccgcc!macmillan
From: macmillan@iccgcc.decnet.ab.com
Newsgroups: rec.ham-radio
Subject: RE: PRBWON still fighting.
Message-ID: <1756.27304fd0@iccgcc.decnet.ab.com>
Date: 1 Nov 90 21:39:43 GMT
Lines: 44
Posted: Thu Nov 1 22:39:43 1990

Henry Black (G4NOC,KK6JR) inquired;

>Please could you post a brief summary of what this has cost you in
>time and money so far.
>Is there a fighting fund?, is it adequately funded?, am I right in
>thinking you are not using any "special circumstances" to win your case
>and therefore your fight stands to benefit U.S. hams generally?

At last count it was about $6,500 on the day BEFORE the depositions
and that added another $1,500 ++. I still owe some of it but Bob (W2THU,
League consul) has been very gracious about waiting for it. All but a
hundred or so has been out of our pockets (WD8EHL--XYL).

We have been at this for 4 years as of yesterday. Three in federal court.

There are a few volunteer trustees waiting to open the fighting fund
if we don't recover expenses. We hope to find out any day now.
We will let you know via QST and ARRL letter etc.

There are no special circumstances in this case.
The city has an ordinance allowing towers up to
--- SIXTY FEET ---
I checked that out before we bought the place.
What they didn't tell us was that the neighbors
had the last word on the permit.

The permit was denied because;

a) it would impact property values of the entire
community regardless of its height.
(30 ft. at a 29.1 ft. setback)

b) I didn't need it to develop   my property.
(Never mind the other dishes, towers
and beam antennas in town - 6 or so , some non-hams)

We do this for all of Ham Radio. All for one and one for all.

73 WA8ZHN

```
=========================================================
=    The opinions expressed here are my own and     =
=    not of my employer.                   =
=========================================================
```

From 2006198392952202171
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c423fe07eed481d8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,c423fe07eed481d8,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-11-01 14:05:53 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!mit-eddie!mintaka!think.com!sdd.hp.com!usc!chaph.usc.edu!aludra.usc.edu!kjh
From: kjh@aludra.usc.edu (Kenneth J. Hendrickson)

Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: A question about a PLL synth loop filter
Message-ID: <12890@chaph.usc.edu>
Date: 1 Nov 90 22:05:53 GMT
References: <1990Oct31.210242.20619@aplcen.apl.jhu.edu>
Sender: news@chaph.usc.edu
Followup-To: sci.electronics
Organization: EE-Systems, USC, Los Angeles
Lines: 33
Xref: gmdzi sci.electronics:9432 rec.ham-radio:16465
Posted: Thu Nov 1 23:05:53 1990
Nntp-Posting-Host: aludra.usc.edu

```
In article <1990Oct31.210242.20619@aplcen.apl.jhu.edu>
@aplvax.jhuapl.edu:mjj@stda.jhuapl.edu (Marshall Jose) writes:
%I have been trying to understand a passive loop filter I have twice seen used
%in ham radio construction articles.  It looks like this:
%
%
%     O---VVVVV----+-------+------O
%           R1     |       |
%                  |       >
%                  |       >  R2
%                  |       >
%                 ---      |
%                 --- C1   |
%                  |       |
%                  |      ---
%                  |      --- C2
%                  |       |
%     O------------+-------+------O
%
%
%                 C(as + 1)
%     H(s) = ---------------------
%                3     2
%               s  + ps  + qs + r
%
```

Your first clue, is that since you have two energy storage devices, that
you should have two poles. When I solve this, I get:

```
                     c1r1 * s + 1
H(s) = ---------------------------------------------
       c1c2r1r2 * s^2 + (c2r2 + c1r1 + c2r1) * s + 1
```

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From 8859048933547423260
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1815fbc727d74a19
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-11-01 14:21:14 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Questions on ground for HF verticals
Summary: verticals and grounds
Message-ID: <483@ssc.UUCP>
Date: 1 Nov 90 22:21:14 GMT
References: <10416.272e8f79@rsmas.miami.edu>
Organization: very little
Lines: 36
Posted: Thu Nov 1 23:21:14 1990

In article <10416.272e8f79@rsmas.miami.edu>, eakin@rsmas.miami.edu writes:

> In my search for the perfect ground floor condo vertical, I have come up
> against a question. Being inexperienced with HF verticals, I'm wondering how
> well earth ground really works.

It tends to be quite lossy as a counterpoise for verticals.

> I can probably bury a limited amount of wire, but not nearly the length
> required for 20-40m radials.

If you do bury wire, use the insulated type. The idea is to create a ground image that is not very lossy, not making electrical contact with the soil.

>
>
> Basically, would I be better off mounting the vertical on the ground rather
> than adding, say, 10-20' of elevation?

You would be best off getting the vertical up in the air, with sloping radials.

>
> How well will ground mounting work to eliminate the need for radials?

Not very well. But just about anything will "work" as an antenna.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -2897668129393978054

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a0fc12e15074c62,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 14:21:36 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: Describe for me the "HAM OF THE FUTURE"
Message-ID: <9011012221.AA14017@tilde>
Date: 1 Nov 90 22:21:36 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 53
Posted: Thu Nov 1 23:21:36 1990

Hey, Gang:

Can we try a "Gedankenexperiment"?

I recently attended a seminar on "Needs Assessment" conducted here at TI by Dr. Allison Rossett (Allison Rossett and Associates, San Diego, California) in which we discussed something she calls "OPTIMALS", the attributes that are desired, or the ideals of what we think should be.

I would like to compile a list of OPTIMALS describing Amateur Radio, and so I turn to you, the net participants for inputs. All you posters and writers and flamers and thinkers and dreamers and even those read this all but never post anything. Please think about this for a moment or two and send me what you think should be on the list.

Use your imagination. Close your eyes, sit back, take a breath, and describe for me the HAM OF THE FUTURE. Forget what the Amateur Radio Service is today. Forget Part 97 as it stands now. Totally ignore the current Question Pool and VE program and Examination Elements.

Don't start with what we have today, but project yourself forward to the end of the Nineties and describe for me the attributes of the (*-IDEAL-*) Ham Of The Future.

What does this person know? What skills and attitudes would such an individual have? Pretend you can, in your dreams, make Amateur Radio in the Twenty First Century what you would like it to be.

How should the public and the government view the Amateur Radio Service? What value does it provide, or in essence, WHY does Amateur Radio exist in the year 2001?

I am not trying to be facetious, and although I don't mind a ":-)" or two, that is NOT what I am looking for, and they will not be included in the database.

I would like to know what folks out there in netland HONESTLY think Amateur

Radio (*-SHOULD BE-*). No restrictions based on what is current fact.

Tell me what you want.

Please email directly or post. I might ask for clarification since I am
trying to isolate attribute elements, descriptors, and points that (*-can-*)
be summarized.

Regards,

Bob West WA8YCD
rlwest@flopn2.csc.ti.com

"Some people look at what IS and say, 'why'?
Other people look at what COULD BE and say, 'why not?'"
-misquoted from John F. Kennedy's Innagural Address

From -5575232387093581602
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bef7f0615b111d6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 14:50:00 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!
SWTEXAS.BITNET!BA01
From: BA01@SWTEXAS.BITNET
Newsgroups: rec.ham-radio
Subject: Re: A Proposal
Message-ID: <9011012350.AA09645@ucsd.edu>
Date: 1 Nov 90 22:50:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 42
Posted: Thu Nov 1 23:50:00 1990

Fred Lloyd, sun-barr!newstop!west!sunburn.West.Sun.COM!flloyd@apple.com,
writes:

>I would like to propose a new news group:
>
>rec.ham-radio.endless-cw-debate.

Hear, hear! A wholly appropriate proposal!

>I get the impression that there is probably a majority of readers
>in rec.ham-radio that feel the same way as I do.

You have the correct impression, Fred!

>I for one am tired of the endless ranting and raving about this topic
>which in all probability does not have an ending. Perhaps we need an

_I'm_ tired of having to seperate this chaff (note the use of a non-inflammatory adjective here -:)) out of every digest 20 - 30 times a week just to get to the good parts.

I've only subscribed to this list since the summer and I've already heard all the arguments many times over.

>C'mon folks, let's dump this and get on with having some fun!
>
>73's, -fred

Amen!

Bernie, N5PQY

ba01@swtexas.bitnet
ba01%swtexas.bitnet@ricevm1.rice.edu

```
Bernie Asher                       "Happiness is having a big, warm, caring,
Administrative Data Processing      close-knit family...in another city."
Southwest Texas State University                            - George Burns
San Marcos, Texas  78666
512-245-2271
```

The views expressed by me are not necessarily those of my employer.

From 4523308909802659844
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4028b889d8738e2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 14:55:12 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!wuarchive!emory!gatech!prism!sun13!ds1.scri.fsu.edu!debry
From: debry@ds1.scri.fsu.edu (Ron DeBry)
Newsgroups: rec.ham-radio
Subject: Re: CQWW SSB
Message-ID: <1314@sun13.scri.fsu.edu>
Date: 1 Nov 90 22:55:12 GMT
References: <1156@larry.sal.wisc.edu<1990Oct30.134312.20435@cbnewsj.att.com>
<38889@ut-emx.uucp>
Sender: news@sun13.scri.fsu.edu
Organization: SCRI, Florida State University
Lines: 37
Posted: Thu Nov 1 23:55:12 1990

In article <38889@ut-emx.uucp> trey@ut-emx.uucp (Trey Garlough) writes:
>
>N5AU broke the old USA multi-multi record and beat the group that has
>been winning these things lately (W3LPL). We had something like 6600
>QSOs, 190 zones and 700 countries for 17.2M or so.
>
>Trey Garlough
>Computation Center, University of Texas, Austin, Texas 78712

>trey@sirius.cc.utexas.edu (internet) (512-471-3241)

Congratulations to everybody who had these amazing scores, including N5AU, N2RM, KR0Y, and, of course, K1AR. Jeeze what a score. A tremendous effort by the operators, an excellent station, and maybe the ultimate example of the effect of packet radio on multiop contesting. Do you realize that K1AR, as a multi-single, claimed more countries than W3LPL? !!! (708 I think it was they said on 3830 [in between that guy saying "hey George"])

I was single-op at N4WW, but unfortunately had technical difficulties. Until Saturday night I was putting out maybe 600 watts PEP (I think with lousy audio to boot). Needless to say, I had particular trouble on 160, 80 and 20.

Conditions were so good, though, that I had fun anyway. I managed to climb back up to about 3.5M by the end.

How many of you checked 15 in the middle of the night? Maybe it was only down here in the Southeast, but I found 15 WIDE open to all of europe at 0830Z Saturday morning. I worked about 120 stations before it sort of shut back down. The europeans were pretty suprised to hear me, and I was especially suprised and pleased to be called by VU2GO at 0900. Beat the hell out of looking for South Americans on 75. Last year in the CQWW CW 15 opened to europe after midnight (in fact you could follow their sunrise across UA-SP-DL, etc., but the signals were fairly weak.

Ron DeBry, WA6DGX

debry@fsu.scri.fsu.edu or debry@ds12.scri.fsu.edu

From 9164370990575800501
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd0c6c81e8614647
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 14:58:08 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!rutgers!news-server.csri.toronto.edu!utgpu!utzoo!mnetor!ghp!jim
From: jim@ghp.UUCP (Jim Stewart)
Newsgroups: rec.ham-radio
Subject: Re: Ham Radio Pub. "Communications Quarterly"
Message-ID: <692@ghp.UUCP>
Date: 1 Nov 90 22:58:08 GMT
References: <9010231900.AA29198@ucsd.edu> <447@ssc.UUCP> <1990Oct28.174536.9636@NCoast.ORG>
Reply-To: jim@ghp.UUCP (Jim Stewart)
Organization: Gellman Hayward & Partners Ltd.
Lines: 12
Posted: Thu Nov 1 23:58:08 1990

>| In article <9010231900.AA29198@ucsd.edu>, BRUCEH@UTKVX3.BITNET writes:
>| > I just got some info. in the mail about a new publication for
>| > Ham Radio. It is called Communications Quarterly. From reading the

Can anybody tell me what the address is?
(I've asked before without response)

tnx
--
Jim Stewart, VE3SRJ
UUCP: jim%ghp@mnetor.uucp
BELL: (416)862-0430

From 1498093066796049768
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4028b889d8738e2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 15:01:23 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!cs.umn.edu!uc!noc.MR.NET!msi.umn.edu!umeecs!umich!samsung!crackers!jjmhome!km3t
From: km3t@jjmhome.UUCP (Dave Pascoe KM3T)
Newsgroups: rec.ham-radio
Subject: Re: CQWW SSB
Summary: Great job N5AU!
Message-ID: <8350@jjmhome.UUCP>
Date: 1 Nov 90 02:24:53 GMT
References: <1156@larry.sal.wisc.edu<1990Oct30.134312.20435@cbnewsj.att.com> <38889@ut-emx.uucp>
Lines: 35
Posted: Thu Nov 1 03:24:53 1990

In article <38889@ut-emx.uucp>, trey@ut-emx.uucp (Trey Garlough) writes:

> N5AU broke the old USA multi-multi record and beat the group that has been winning these things lately (W3LPL). We had something like 6600 QSOs, 190 zones and 700 countries for 17.2M or so. Unfortunately for us, YAECO (Yet Another East Coast Operation) from W2-land was a little more successful and finished on top. *Sigh.*

I just want to congratulate N5AU on a fine second place finish in multi-multi. The team down there has worked long and hard building towers and some impressive antenna hardware....way to go! Obviously the operator crew had a lot to do with the success. :-)

I've helped build and operate both the top finishing station (N2RM) and the third place station (W3LPL). Both of these stations have impressive antenna arrays but antennas alone don't win contests....operators and the way they work together are what's really important. I've participated in some not so successful multi-ops and some *very* successful multi-ops......it's all in the operator chemistry.....

This past weekend I had the pleasure of operating with Ken K1EA, John K1AR, Steve N2IC, and Dean N6BV in a multi-single effort at K1EA's house.....we broke the old multi-single record (6.9M) with a score of about 11.22M. As I page through the log all I keep seeing is passed multipliers....that was one of the big keys to our success....we'd work a station on one band and pass to another band right away or as soon as that station could get to the other band....CT is indispensible for knowing who to pass and where. The other key to our success was the ability to run high QSO rates and to hear the weak ones using stacked yagis on 20 through 10 meters.

We all agree that the '90 WW SSB Contest was one of the highlights of our operating careers!

```
--
Dave Pascoe | Internet: km3t@jjmhome.m2c.org
            | UUCP: km3t@jjmhome.UUCP  or  ...!{harvard}!m2c!jjmhome!km3t
```

From 1032535638527650533
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 15:13:55 PST
Path: gmdzi!unido!mcsun!uunet!salt.acc.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Summary: Stop whining. I'm in a bad mood.
Message-ID: <21949@ucsd.Edu>
Date: 1 Nov 90 03:49:28 GMT
References: <1990Oct30.195918.11041@portia.Stanford.EDU> <Fs3wR4w161w@phoenix.com> <1990Oct31.212041.10384@portia.Stanford.EDU>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 14
Posted: Thu Nov 1 04:49:28 1990

I think that it would be much more valuable if every ham were forced to pass a CPR exam instead of a CW exam in order to get his license. CPR is certainly of greater potential value to the public than CW ever will be, and it's just as relevant to technical development. More relevant, if you're working with high voltages.

Oh, you don't think CPR is valuable, eh? Then stop pounding that old "Service to the Public" drum.

Not that you couldn't learn both, of course. But if I had to pick between the two as a licensing requirement, CW would lose.

Keep the dipsticks out, too. At least as much as CW has. :-)
     - Brian

From -3279931296738806939
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,519415d8db5999b1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 15:21:42 PST
Path: gmdzi!unido!mcsun!uunet!mnemosyne.cs.du.edu!isis!whester

From: whester@isis.cs.du.edu (William R. Hester)
Newsgroups: rec.ham-radio
Subject: Re: IMHO
Message-ID: <1990Nov1.232142.25696@isis.cs.du.edu>
Date: 1 Nov 90 23:21:42 GMT
References: <11192.272c8db5@ecs.umass.edu> <7120144@hpcupt1.cup.hp.com>
Reply-To: whester@isis.UUCP (William R. Hester)
Organization: Math/CS, University of Denver
Lines: 12
Posted: Fri Nov 2 00:21:42 1990

New newsnet readers/posters (and old experienced ones too) are encouraged to check out the postings in the group "news.announce.newusers" every so often. There are postings that explain the abreviations commonly used and the expected etiquette/ethics to be used...

--
Bill Hester, Ham Radio N0LAJ, Denver CO., USA
Please route replies to: whester@nyx.cs.du.edu or uunet!nyx!whester
Public Access Unix @ University of Denver, Denver Colorado USA
(no official affiliation with the above university)

From 3914820165195874542
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4028b889d8738e2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 15:28:54 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!wuarchive!emory!gatech!prism!sun13!ds1.scri.fsu.edu!debry
From: debry@ds1.scri.fsu.edu (Ron DeBry)
Newsgroups: rec.ham-radio
Subject: Re: CQWW SSB
Message-ID: <1310@sun13.scri.fsu.edu>
Date: 1 Nov 90 04:18:08 GMT
References: <1156@larry.sal.wisc.edu> <1990Oct30.134312.20435@cbnewsj.att.com> <8349@jjmhome.UUCP>
Sender: news@sun13.scri.fsu.edu
Organization: SCRI, Florida State University
Lines: 72
Posted: Thu Nov 1 05:18:08 1990

In article <8349@jjmhome.UUCP> km3t@jjmhome.UUCP (Dave Pascoe KM3T) writes:
>In article <1990Oct30.134312.20435@cbnewsj.att.com>, k2ph@cbnewsj.att.com (The QRPer) writes:
>
>> The preliminary total from PJ1B comes to not quite 60 million points.
>> They made something like 21,105 Qs in 189 zones and 804 countries.
>> The preliminary total for PJ9W comes to around 53 million points.
>> Not too shabby. Haven't heard the total from P40V yet.
>

>The outcome of the PJ9W vs. PJ1B competition is an example of how
>operator skill and team rhythm can overcome hardware factors. The PJ9W
>crew put on a tremendous effort and are to be commended. They had on the
>order of 100 operators/workers on Curacao and very impressive hardware,
>including a FULL-SIZE 3 element rotary yagi antenna for 75 meters.
>
>Why they lost I can't be totally sure. And in the grand scheme of things
>it doesn't really matter. But I know many of the ops who went to PJ1B and I
>know they know how to operate. Additionally, they have operated from that
>part of the world many times more than most of the Finnish ops who were at
>PJ9W.
>
>Both the PJ9W and PJ1B multi-multi teams are to be commended for two fine
>contest efforts! The CW competition should be an interesting one!
>--
>Dave Pascoe | Internet: km3t@jjmhome.m2c.org
> | UUCP: km3t@jjmhome.UUCP or ...!{harvard}!m2c!jjmhome!km3t

Hmmm... I can't figure out how to choose vi as my editor, and I have no foggy clue how to really use Emacs, so I can't edit the above down any. I promise I'll figure it out before I post any more.

Any way, its nice to see so much discussion of the contest, seems there are quit a number of fairly serious contesters on the net - we need more discussions of a number of contesting-related topics (after I learn how to edit better!).

As for PJ9W and PJ1B, I think Dave is right on the money, but there is another factor directly related to the hardware which may have had a much greater impact than you might believe. When we set the record at P40V and beat PJ1B that year, their antenna system looked much superior to ours on paper, yet ours worked much better. The P40V system consisted of 4 over 4 on the high bands, at no more than I think about 70', while PJ1B had much taller towers. The difference was that on the high bands we had our stacks split. Our top antennas were rotatable, but the lower antennas were fixed on about the W7/W0 boundary. Virtually the whole contest the top antennas were pointed at Europe, and we fed both top and bottom in phase (in fact we didn't even have the capability to switch to just top or just bottom). The antennas had also been tweaked to have maximum forward gain and virtually no front/back.

What we had, in effect, was gain equivalent to maybe a good 3 element beam all the way from the west coast to southern europe, and the equivalent of a dipole off the back.

On the other hand, that year at PJ1B they didn't split their stacks, so they had to point at either North America or Europe, losing a lot of contacts from the other in the process. I don't know for sure, but I'd bet money that PJ1B learned the lesson that its better to be very loud in a lot of places than to be extremely loud in one place at a time. The high band arrays at PJ9W were awesome, and would have kicked serious butt from the U.S., but I don't think they had the optimum setup for PJ9. (Also, was it just me, or did everyone think PJ9W was really blowing it on 160 - it didn't seem to me that they had put any work into receiving antennas on that band)

All the credit for the '88 P40V antenna system design goes to Tom, N6BT.

By the way, P40V was single-op this year. Carl no longer has access to the old location, and apparently his new one was tenuous enough that he couldn't make any multiop plans.

Ron DeBry WA6DGX
debry@fsu.scri.fsu.edu or debry@ds12.scri.fsu.edu

From -5345396361362917651
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3328cb8f55165106
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 15:39:15 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters
Message-ID: <1497@ke4zv.UUCP>
Date: 1 Nov 90 23:39:15 GMT
References: <LURU.90Oct27221929@stekt.oulu.fi> <1488@ke4zv.UUCP> <1990Oct31.201511.21053@ux1.cso.uiuc.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 20
Posted: Fri Nov 2 00:39:15 1990

In article <1990Oct31.201511.21053@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN) writes:
> A system that (typically) uses technical access controls and is
> stated as being open to all. However the access controls are
> periodically changed and/or individualized. They are NOT published
> in the open, but are given to any ham who asks, though not over a
> radio frequency. The exception is that when someone abuses the
> system (leaving the definition of that out for the moment) their
> access is terminated my one means (changing the access codes and
> not telling this abuser) or another (disabling his individualized
> access codes).

I'd call this an open machine with LID filtering. :-)
It doesn't seem practical as a chat machine what with all the individualized codes required to key it. It would be a practical way to control patch access though. As you probably know, I'm not keen on non-emergency autopatch.
I got my new 440 machine on the air from it's final location today. How sweet it is! It's an open machine running 18 watts at 970 feet up a 1040 foot broadcast tower. The view from up there is spectacular.

Gary KE4ZV

From 2492391656406241723
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 15:49:07 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov1.234907.27873@ux1.cso.uiuc.edu>
Date: 1 Nov 90 23:49:07 GMT
References: <146@platypus.uofs.edu> <5suyR5w161w@phoenix.com>
Organization: University of Illinois at Urbana
Lines: 83
Posted: Fri Nov 2 00:49:07 1990

stanley@phoenix.com (John Stanley) writes:
>bill@platypus.uofs.edu (Bill Gunshannon) writes:
>   The no-code arguments I usually hear involve the creation of a license
>that has no code privileges. This is forbidding the use of code to those
>who have a no-code license, just like techs are forbidden to use voice
>below 6m. Thus, it is most no-code people who want a prohibition on code.

Thos who chose the nocode license did so because they didn't want to learn
the code (yet) and so are unlikely to want to use it either. But even still
it is not necessary to prohibit it altogether. They can still use Morse
Code in modes such as CW and modulated audio. It would be bad operating
practice for them to jump on the WSDX subbands to learn on.

>   If the guvviment gives you a code privilege, it should test you on it
>to make sure you have rudimentary ability to use it. Just like the
>privilege you get to build your own radios has a test to make sure you
>have a rudimentary knowledge of how to do it. Or at least how to keep
>from burning up a lot of valuable electronic parts in the process.

If the guvviment gives you a voice privilege, it should test you on it
to make sure you have rudimentary ability to use it.

It might be the current attitute that the theory tests have a basis in
preventing the destruction and suffering of innocent electrical parts at
the hands of dumb hams, but this is not really the case, and just is not
a valid reason for the theory test. I suspect your statement might be
made in order to later try to justify the removal of the theory test.

The purpose of a theory test is to make sure you understand how radio
itself works. You need to know some things about how radios themselves,
particularly transmitters and antennas, work. But you do NOT need to know
how to actually build one to be able to use one. So it is not necessary
for at least the lesser license (read: it is not necessary to get INTO ham
radio) to be able to do this.

And besides, you'd be depriving someone of the pleasures and joy of
watching and smelling resistors burn up. :-)

>WARNING WARNING Facetious paragraph follows...

Oh, I thought your PREVIOUS one was facetious.

>   Aha. Many hams don't build their own radios. Let's create a
>non-technical license, in the ham bands, for people who buy everything
>off the shelf. Allow no technical changes or construction. Just plug it
>in and Yak Yak Yak.

>END OF FACETIOUS PARAGRAPH.

Glad you acknowledge that the paragraph was facetious. But of course even
with a turnkey radio, it is still really necessary to know a lot about the
principles of radio to know what is going on. So far I have seen NO RADIO
on the market that can prevent RFI, for instance. The operator still has
to know what the radio is doing.

>> If anyone wants to learn it, fine, but I still haven't seen any LOGICAL
>> reason for making everyone do it.

>   1. If the privilege exists, it needs to be tested to some low level so
>the learning takes place on a practice oscillator instead of the
>airwaves. If you think 5 wpm is slow, what do you think 1 wpm would sound
>like?

1 WPM? Are you kidding. Don't even suggest learning that way.

>   2. The international treaties governing radio demand it for activity
>below 30 MHz. As all current ham licenses have privileges below 30 MHz,
>it is required for all current ham licenses.

Fine. This is a case for continuing the requirement below 30 MHz, but
lots of people don't care about those bands (but they aren't hams yet
due to the code requirement).

>   If you want to create a special no-code license, these reasons are not
>relevant. However, as you seem to want just to eliminate it from the test
>without prohibiting its use, they are both logical and valid.

No other privileges have specific tests to grant their mere use, so why
should code?
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 7555790521954926740
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 15:59:02 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!julius.cs.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov1.235902.133@ux1.cso.uiuc.edu>
Date: 1 Nov 90 23:59:02 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct28.185659.11837@NCoast.ORG> <9294@b11.ingr.com>
Organization: University of Illinois at Urbana
Lines: 23
Posted: Fri Nov 2 00:59:02 1990

herbster@b11.ingr.com (Joe Herbster) writes:
> Nobody said it did!! More paranoid whining. All i did was answer a
> question and i get accused of   "shoving CW down throats". If the no-
> coders spent 10% of the time wasted on whining about CW into learning
> it, they would all be at 50wpm now.

I am a "no-coder" but am already a ham. I wasted my 6 hours learning 5 WPM
so here I am, "one of you".

I suspect you were really referring to the people who are refusing to get
into ham radio because of the code test. They spend just a few seconds on
their "whining". Show me someone who can learn 50wpm in the same time?

> Where is the skill in talking into a microphone?? We all know that
> CW is more of a skill than any voice mode or the code bashers wouldn't
> be whining so much about it. :-) (better not forget the smileys this
> time or someone may take it serious)

I see your smiley. I took it as the joke you intended.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -6636646256529419384
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 16:31:09 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!
cica!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <288.2730D16E@w8grt.fidonet.org>
Date: 2 Nov 90 00:31:09 GMT
Organization: QRV de W8GRT, Sylvania, OH

Lines: 33
Posted: Fri Nov 2 01:31:09 1990

> From: brian@vdbsan.UUCP (Brian Bainter)
> Date: 31 Oct 90 20:17:36 GMT
> Organization: BellSouth Advanced Networks, Atlanta, GA.
> Message-ID: <119@vdbsan.UUCP>
> Newsgroups: rec.ham-radio
>
> First of all I am not saying that I am opposed to no-code, but this
> quote
> above made me think a little bit. Brandon wants proof. Well, I want
> proof
> that a no-code license will have the desired effect. In business you do
> a
> market study before you put a product out.
>
> Personnaly, I think that all the excitement about no-code solving HAM
> radio's
> problems may be somewhat unfounded. No matter how good of an idea I
> might
> think it is.

Several of the top European minds active in packet radio development entered via their homelands' versions of no-code. I would name names, but I don't remember them. Someone else will no doubt jump in here and fill the gap.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\           of the Mind and ride the NOS!"
```

From 2364718181268670089
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 16:58:34 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <538@chiton.ucsd.edu>
Date: 2 Nov 90 00:58:34 GMT
References: <9217@b11.ingr.com> <1990Oct28.185659.11837@NCoast.ORG> <531@chiton.ucsd.edu> <1990Oct30.203641.5283@athena.mit.edu> <535@chiton.ucsd.edu> <1495@ke4zv.UUCP>
Reply-To: rec@chiton (Richard Currier)

Organization: MPL of SIO at UCSD
Lines: 54
Posted: Fri Nov 2 01:58:34 1990

In article <1495@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
>
>I think you are wrong. The deterioration of good manners among younger people
>is a reflection of society in general that has nothing to do with CW.

Yes Yes Yes....This really is the crux of the whole problem. CW itself does not make for better hams. However, the discipline of learning to operate CW used to require a lot of air time. All of this operating time served to teach new hams proper operating procedures and instill in them a respect for what used to be the fundamental traditions of the Amateur Radio Service: civility,friendlines, patience, and a sense of community dedicated to public service. Today, CW is learned from tapes, computers etc. and very little operating is being done by new hams. What the more traditional (OF) hams are afraid of is the loss of the traditional values. They believe that without the glue of tradition, the Service will collapse into the anarchy of CB. I think this is already happening.
>
>One of the reasons that the operators in the CW subbands are marginally
>more mannerly is that many of them are older and were raised in a more
>mannerly society.

Another three yes's... Most of the hams in the CW bands have spent a long time there learning to operate. The newer hams there seem to be attracted by the the traditional feel of operating there and are willing spend the time and overcome the obstacles necessary be at home there. It's the attraction of being able to go back in time and live in a world that was friendly, mannerly. I have lived in the 40's and 50's and I will tell you outright the life young people today have to look forward to sucks. I feel sorry for them and for myself that I have to watch it happen. Thats why you will find so many traditional hams trying to preserve in ham radio what society today has lost. A decent place to live. And pass it on to young people because they deserve better.
>
>I consider it neither selfish nor arrogant to be willing to accept crowding
>and some obnoxious behavior on my favorite UHF/SHF bands as part of the price
>of achieving the goals of saving the bands for amateur use and interesting more
>people in technical pursuits.
>

Above 30 Mhz, I agree. Nobody knows what will happen above HF when a no-code licence is implemented. Maybe good things, maybe nothing, and maybe chaos. I hope for the best.

Below 30 Mhz, if the Amateur Radio Service does not reverse the decent into in your face street behavior, commercial interests will have all the ammunition they need to justify seizing all of the ham spectrum as being too valuable to waste on a bunch of radio hoodlums.

Remember: "When they take away your rigs..."
          "Only the bootleggers will have rigs."

AA6PN
--
richard currier marine physical lab u.c. san diego
{decvax|ucbvax} !ucsd!mplvax!rec
rec@mpl.ucsd.edu

From -9367287023736711O7
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 18:18:27 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov2.021827.28758@ux1.cso.uiuc.edu>
Date: 2 Nov 90 02:18:27 GMT
References: <9217@b11.ingr.com> <1990Oct28.185659.11837@NCoast.ORG>
<531@chiton.ucsd.edu> <1990Oct30.203641.5283@athena.mit.edu> <535@chiton.ucsd.edu>
<1495@ke4zv.UUCP> <4330@altos86.Altos.COM>
Organization: University of Illinois at Urbana
Lines: 39
Posted: Fri Nov 2 03:18:27 1990

jerry@altos86.Altos.COM (Jerry Gardner) writes:
>What makes you think dropping the code requirement will result in
>explosive growth in amateur radio? I highly doubt we'll get the
>annual growth rate up to even 5-7% with no-code.

It won't. But what exactly happens will depend on the exact licensing structure.

What really burns me up, though, is attitudes like "OK, we'll accept a no-code license as long as it is just an entry point, and there are incentives to learn CW and upgrade to a REAL license". These people are going to cause there to be a license class that NO ONE will like.

But back to ham growth:

By itself, a codefree license class is not going to cause people to come knocking on our door. We have to invite them over first. It will be a lot easier to promote ham radio once there is a codefree license class that has enough privileges to be useful.

But we still have to get out there and promote it. We've had MANY MANY years of code being required for ALL license classes, and as many years to promote ham radio. Now where are we today? We are losing spectrum and our kids are playing TMNT video games instead of learning how something actually works.

By requiring code to get into ham radio, we are depriving our kids of a opportunity to experience an aspect of technology that will be in high use in the future.

>Let's face it, ham radio just isn't the cutting-edge hobby it once was,
>not with competition from computers, video games, etc. (none of which
>require a license of any kind).

Are you wanting to just let it go at that and give up on our kids?
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -4492905467853060307
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75a0a88a9bf5c14,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 18:19:46 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Derek Wills)
Newsgroups: rec.ham-radio
Subject: licenses
Keywords: the last word
Message-ID: <39037@ut-emx.uucp>
Date: 2 Nov 90 02:19:46 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 26
Posted: Fri Nov 2 03:19:46 1990

It's obvious what we should do. Clearly we should get rid of the CW test because it's too hard for some people and many people are sure they will never use it. Same goes for voice and other other modes, building equipment, knowing about propagation, being a VE, operating from space - obviously we have to eliminate all those topics from the ham tests.

Still, some old-fashioned people think we need *something* to make the license worthwile, so I propose three classes as follows:

Novice - knows own name

General - can print own name

Extra - can write own name in joined-up writing

This may be too hard for some, and they may indeed never need to write their own name so perhaps it's too restrictive. Maybe we should just revert to the good old Amurrican system and sell the licenses. More money gets you more privileges, just like the Real World.

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)

oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From -7551898044064690768
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 18:39:50 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov2.023950.2868@ux1.cso.uiuc.edu>
Date: 2 Nov 90 02:39:50 GMT
References: <9217@b11.ingr.com> <1990Oct28.185659.11837@NCoast.ORG>
<531@chiton.ucsd.edu> <1990Oct30.203641.5283@athena.mit.edu> <535@chiton.ucsd.edu>
<1495@ke4zv.UUCP> <538@chiton.ucsd.edu>
Organization: University of Illinois at Urbana
Lines: 61
Posted: Fri Nov 2 03:39:50 1990

rec@chiton.ucsd.edu (Richard Currier) writes:
>Yes Yes Yes....This really is the crux of the whole problem. CW itself does not
>make for better hams. However, the discipline of learning to operate CW used to
>require a lot of air time. All of this operating time served to teach new hams
>proper operating procedures and instill in them a respect for what used to be
>the fundamental traditions of the Amateur Radio Service: civility,friendlines,
>patience, and a sense of community dedicated to public service. Today, CW is
>learned from tapes, computers etc. and very little operating is being done by
>new hams. What the more traditional (OF) hams are afraid of is the loss of the
>traditional values. They believe that without the glue of tradition, the Service
>will collapse into the anarchy of CB. I think this is already happening.

The continuation of the CW requirement won't correct a situation that is
just getting worse. Here's ONE observation of why things are pretty bad,
and why a lot of it is on the HF bands. DX used to be a fun challenge.
Today it is no longer so much fun. It appears to be, but the HF bands
are overcrowded (would be nice if they QSY to microwaves) making pileups
the order of the day for every rare DX. Top that off with the fact that
we pretty much know all there is to know about HF propogation and the
challenge is gone.

>Another three yes's... Most of the hams in the CW bands have spent a long time
>there learning to operate. The newer hams there seem to be attracted by the
>the traditional feel of operating there and are willing spend the time and
>overcome the obstacles necessary be at home there. It's the attraction of being
>able to go back in time and live in a world that was friendly, mannerly. I have
>lived in the 40's and 50's and I will tell you outright the life young people
>today have to look forward to sucks. I feel sorry for them and for myself that
>I have to watch it happen. Thats why you will find so many traditional hams
>trying to preserve in ham radio what society today has lost. A decent place
>to live. And pass it on to young people because they deserve better.

The past is the past. It's nice to go back, but you have to have something
to go back with. But to preserve ham radio you have to deal with the world
as it is today. Maybe you just are not prepared for that.

But preserving a way to dream about the past is not the goal of ham radio.
If you want it to be, petition the FCC to change the Basis and Purpose.

The past is useful for knowledge, but *I* look towards the future. If it
looks bleak I will try to change things so it won't be so bad. But I won't
crawl into a hole and just dream of how it once was.

>Above 30 Mhz, I agree. Nobody knows what will happen above HF when a no-code
>licence is implemented. Maybe good things, maybe nothing, and maybe chaos. I
>hope for the best.

I at least did a bit more than hope by filing comments to suggest ways to
make sure of the success.

>Below 30 Mhz, if the Amateur Radio Service does not reverse the decent into
>in your face street behavior, commercial interests will have all the ammunition
>they need to justify seizing all of the ham spectrum as being too valuable
>to waste on a bunch of radio hoodlums.

Us VHF/UHF'ers will work on our segment if you HF'ers work on yours.
Deal?
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -8156113479525368185
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,35e41430449c6d9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 19:02:41 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: QSY to UHF and SHF
Keywords: QSY UHF SHF
Message-ID: <1990Nov2.030241.7243@ux1.cso.uiuc.edu>
Date: 2 Nov 90 03:02:41 GMT
Organization: University of Illinois at Urbana
Lines: 26
Posted: Fri Nov 2 04:02:41 1990

It may be still a few more months before the FCC makes a decision on
90-55, the Communicator/No-Code issue. Between now and then, I'd like
to see some hams do something worthwhile to help correct the problems.
Specifically I suggest that each and every one of you, whose PRIMARY
bands of usage (however you want to quantify "primary") is HF, take it

upon themselves to actively promote the UHF and SHF bands to other hams whose PRIMARY band of is HF.

Set as your goal to convert ONE HF'er per month to be a ham whose PRIMARY band of usage is 220, UHF, or SHF. Upon conversion of 10 such hams, maybe we can award you with an "Honorary UHF'er" award.

You will be doing all of Amateur Radio a big favor in TWO ways.

1. You will be helping to increase the (badly needed) usage patterns of the UHF and SHF bands.

2. You will be helping to relieve the overcrowding situation on the HF bands.

If hams had been doing this for the past 10 years, there probably would not have been this silly code debate.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -1534484087506222224
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3431493e9f89a1ba,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 19:32:09 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!ncar!noao!arizona!naucse!rrw
From: rrw@naucse.cse.nau.edu (Robert Wier)
Newsgroups: rec.ham-radio
Subject: Re: -9 V from +13.8 V
Message-ID: <2796@naucse.cse.nau.edu>
Date: 1 Nov 90 07:17:40 GMT
References: <9010301359.AA00065@rtp40.dg.com>
Organization: Northern Arizona University, Flagstaff AZ
Lines: 39
Posted: Thu Nov 1 08:17:40 1990

In article <9010301359.AA00065@rtp40.dg.com>, Pete_Simpson@dgc.ceo.dg.com writes:
> CEO summary:
> I just remembered a real sleazy way to do this, if the duty cycle of
> the data transmitted to you is very low (< 25% or so). You can get
> the +9 by hooking onto the DTR line of your computer (that's going to
> be asserted constantly). The -9 can come from the TXD line, which
> rests at -9 V (MARK level or logic "1") when it's not transmitting
> any data. Whwn it transmits, of course, it alternates between -9 and
> +9 (which represents a logic 0 bit). So, put a diode with the cathode
> towards TXD and connect the anode to the negative side of a capacitor.
> If you don't pull too much current, and there's not a lot of data
> being sent out the TXD port, you should be able to ride through the
> times when TXD goes to +9. I thought of this myself and then saw it

> in "Circuit Cellar Ink" by Steve Ciarcia, who used to write for Byte.
> 73
> Pete

This is assuming, of course, that whomever the manufacturer that is sending you the RS232 signals actually followed the standard. There seem to be a distressing number of companies that just omitted the negative going voltage and ran semi-ttl with say zero v. for mark and +5 to +10 for space. As I tell my class, your chances of having two devices talk to each other which are "rs232 standard" are about 50%. RS232 is about the most non standard "standard" you are ever likely to run into.

I have to admit that things are better now than a few years ago, since chips like the MAX232 have come onto the scene...

- Bob Wier

-------------- insert favorite standard disclaimers here ----------
College of Engineering
Northern Arizona University / Flagstaff, Arizona
Internet: rrw@naucse.cse.nau.edu | BITNET: WIER@NAUVAX | WB5KXH
or   uucp: ...arizona!naucse!rrw

From -8112408351257518097
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3cd51d83fa49f6d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 19:54:56 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!ucsd!ucbvax!hcvdl.csc.ti.com!hurta
From: hurta@hcvdl.csc.ti.com (Dwaine Hurta, 917-0830, Hillcrest)
Newsgroups: rec.ham-radio
Subject: K1EA CT: using extended memory?
Message-ID: <9011011556.AA26812@tilde>
Date: 1 Nov 90 15:56:01 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Thu Nov 1 16:56:01 1990

I have a 286 computer with 2 Meg of "extended" (on-the-motherboard) memory. K1EA's CT program uses "expanded" (on-an-external-card-plugged-into-a-slot) memory (when found) to increase the amount of QSO memory available to the program.

I have been using two software "emulators" with great success to create "expanded" from "extended" memory. PC Magazine's EMS40 utility and ABOVE DISC+ have worked successfully with Quattro Pro and Lotus; neither will work with CT. With CT, I get random results (like the logging window goes blank and won't display QSO's for a new log, or if I reload a log with 1 QSO it displays properly until it crashes sometime later, or if I reload a large log CT gives me an out-of-memory error and crashes after about 300 QSO's). :-(

I'm curious if anyone else has tried to use "extended" as "expanded" memory on a 286, and if you got it to work with CT? Or will I need to pull that memory off the motherboard and put it on a cheap EMS card (yuck)? I will be upgrading to a 386 with 4 Meg of on-board memory- will I have a memory problem again?

Thanks, Dwaine
- - - - -
Dwaine Hurta, N5HD   hurta@hcvdl.csc.ti.com
Texas Instruments, Dallas, Texas   N5HD @ N5LDD.#DFW.TX.USA.NA

From -8701062461909065566
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca5c6a41187f3e90,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 20:07:15 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!anaconda.cis.ohio-state.edu!kronstad
From: kronstad@anaconda.cis.ohio-state.edu (richard b kronstad)
Newsgroups: rec.ham-radio
Subject: Hammarlund HQ-129-X
Keywords: Thanks
Message-ID: <85508@tut.cis.ohio-state.edu>
Date: 1 Nov 90 16:33:45 GMT
Sender: news@tut.cis.ohio-state.edu
Reply-To: richard b kronstad <kronstad@cis.ohio-state.edu>
Organization: Ohio State University Computer and Information Science
Lines: 13
Posted: Thu Nov 1 17:33:45 1990

I appreciate all of the replies I got on asking for the schematics for a HAMMARLUN HQ-129-X receiver. A special thanks to Jim Haynes in Felton, CA for sending me out a copy of the manual so quickly.

I stand (sit actually) corrected about this radio being a transmitter - it is only a receiver. I had assumed since there was a knob on the front saying TRANS/REC that the transmitter was built into the radio - this isn't the case. Anyway, about what year was this radio made? And, I have a terrible audio hum, will replacing the capacitors most likely solve this problem?

"Electrons don't move, they just send PACKETT messages"

From -4661341411795795548
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,75a0a88a9bf5c14
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 20:12:38 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!julius.cs.uiuc.edu!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: licenses
Keywords: the last word
Message-ID: <46227@apple.Apple.COM>
Date: 2 Nov 90 04:12:38 GMT
References: <39037@ut-emx.uucp>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 18
Posted: Fri Nov 2 05:12:38 1990

Re Ham testing, oo7@ut-emx.uucp (Derek Wills) writes:

>[...] I propose three classes as follows:
>
>Novice - knows own name
>
>General - can print own name
>
>Extra - can write own name in joined-up writing

Gak! Will we be grandfathered? I don't write Roman in script!
Can I substitute Hanzi or Thai script?

.... ..

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From -8497730710792112301
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c9a25cee7f1493db,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 20:22:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!decwrl!mcnc!rti!dg-rtp!dg-rtp.dg.com!harrism
From: harrism@dg-rtp.dg.com (Mike Harris)
Newsgroups: rec.ham-radio
Subject: Antennas in trees
Message-ID: <1990Nov1.130306.7640@dg-rtp.dg.com>
Date: 1 Nov 90 13:03:06 GMT
Sender: usenet@dg-rtp.dg.com (Usenet Administration)
Reply-To: harrism@dg-rtp.dg.com
Organization: Data General Corp., Research Triangle Park, NC
Lines: 25
Posted: Thu Nov 1 14:03:06 1990

For you tree climbers out there I found a webbing version of a tree climber in one of my hunting catalogs. It has a webbing harness and a webbing climbing loop.

Advantages over rocks, arrows, etc are accurate, exact placement of antennas, no hangups, no kiddies with arrows in their backs.

Advantages over tree climbing spikes, metal hunting climbing stands, are cost, and zero tree damage - both very important. An extra climbing loop allows safe climbing around branches.

Stands and spikes (w harness) can easily run $150 or more. This runs around $40 to $50 which is in the affordable range. Just what I've been looking for! (If I could just get the top of that loop up another 30 ft or so...)

If anybody is interested I'll dig up the info on this.

73's,
--

Mike Harris - KM4UL   harrism@dg-rtp.dg.com
Data General Corporation   {world}!mcnc!rti!dg-rtp!harrism
Research Triangle Park, NC

From -7459443640876252031
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,71756d5abd20b5b5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 20:56:37 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!plains!enders@plains.NoDak.edu
From: enders@plains.NoDak.edu (Todd Enders - WD0BCI)
Newsgroups: rec.ham-radio
Subject: Will No-Code Save Amateur Radio
Message-ID: <6546@plains.NoDak.edu>
Date: 1 Nov 90 16:53:29 GMT
Organization: North Dakota State University Fargo, ND
Lines: 43
Posted: Thu Nov 1 17:53:29 1990

I think the code/no-code war is a moot point. What we *need* is *much* greater use of the UHF and microwave allocations. I really don't think a no-code license is going to make that big a difference. I submit that the "typical" no-code licensee is going to be more interested in plug-&-play technology, and having someone else to talk to.

There is precious little equipment available commercially for microwave (> 1.2 GHz). There are *damn* few people operating > 1.2 GHz, therefore few folks to talk to (outside of metropolitan areas there is virtually *no one* to work). I fear that the allocations at 2.3, 3.4, and 5.7 GHz are going to go away real soon. If we want people to occupy these bands, we need two things:

1. Commercially available, plug-&-play equipment.

2. A *reason* to operate on these bands.

Sure, microwave experimentation is fine. So is weak signal work. The sad fact is that this is pretty much all that is going on at 3.4GHz and higher. Now, a national network of microwave packet switches would help, but this is most likely not going to be implemented outside of metropolitan areas any time soon. Geosynchronous orbit satelites would help, but they seem to be a ways off, too. Digital multi-media communications would help, but again, it ain't here now.

Where we are now with the microwave bands now is pretty much where we were in the '20s with 5 meters. Along came full duplex AM phone, and the band took off like wildfire. We need to spark the imagination of the AVERAGE ham about our microwave bands. We have to do it now, in 10 years we won't have to worry about it because they will be GONE!!!

```
===============================================================================

Todd Enders - WD0BCI                    ARPA: enders@plains.nodak.edu
Computer Center                         UUCP: ...!uunet!plains!enders
Minot State University                    or: ...!hplabs!hp-lsd!plains!enders
Minot, ND  58701                      Bitnet: enders@plains

     "The present would be full of all possible futures,
      if the past had not already projected a pattern upon it" - Andre' Gide

===============================================================================
```

From 5482701492199418516
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,297f2908ca50d602
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 21:07:47 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!decabo.enet.dec.com!brewer@ace.dec.com!brewer
From: brewer@ace.dec.com (John Brewer)
Newsgroups: rec.ham-radio
Subject: Re: old tube radio: HQ-129X
Message-ID: <120@decabo.enet.dec.com>
Date: 1 Nov 90 15:30:38 GMT
Sender: news@decabo.enet.dec.com
Organization: Digital Equipment Corporation
Lines: 24
Posted: Thu Nov 1 16:30:38 1990

In article <0FE901293F9F6065C4@OBERLIN.BITNET>, FZINN@OCVAXA.CC.OBERLIN.EDU writes...
>
>While we are on this topic, does anyone on the list have a suggestion
>for a place to buy/sell old tube equipment like the HQ-129X, Hallicrafters,
>etc.? Thanks for suggestions.

Yes.. there are several active groups... first, a magazine called Electric Radio out of Hesperus Colorado is a really nice magazine that is focused on 40-50-60s tube equipment, and there are restoration and upgrade hints, as well as lots of ads for vintage stuff. This publication is strictly ham-oriented.

also, Antique Radio Classified... which has *lots* of ads, but is slanted more toward broadcast receivers and "antique" stuff. Both are very nice, but aimed at different audiences (tho they obviously overlap at times).

I'll post the addresses for both when I get home tonight.

73 /john WB5OAU

(Running a Johnson Viking Mobile on 10m AM)

From 3918190396717506557
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 22:00:46 PST
Path: gmdzi!unido!mcsun!uunet!cadence!jdm
From: jdm@cadence.com (Joe Mastroianni)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Nov1.175044.12245@cadence.com>
Date: 1 Nov 90 17:50:44 GMT
References: <1990Oct30.203641.5283@athena.mit.edu> <535@chiton.ucsd.edu>
<1990Oct31.052911.25292@ux1.cso.uiuc.edu>
Sender: Joe Mastroianni
Organization: Cadence Design Systems, Inc.
Lines: 75
Posted: Thu Nov 1 18:50:44 1990

[Lots of stuff deleted about CODE-NOCODE, paranioa, knives in hearts, and eating veggies you dont like]

The following is an opinion. Like the law, truths are irrelevant, only perception and sales drive the outcome.

First some facts:

- I am a new ham (only licensed for 5 months)
- I like CW better than all other modes
- On many occasions, I have used other modes. I use packet everyday. I sometimes use RTTY and AMTOR when I want a change.
- SSB is my second favorite of all modes.
- I enjoy DXing and the challenge it presents
- I like contesting too... but need much more practice before I will submit a log.
- I also enjoy a good ragchew.

Now some opinions:

- I think HAM Radio should be made more accessible to the masses. I think radio is viewed as an "archaic" technology by most-- a "solved" problem. Most young people would rather learn to program computers. You can make more money at computers than HAM radio.
- We need more young people in HAM radio.
- We should not allow HAM radio to become undisciplined.
- We should not force people to learn a particular mode to become a HAM.
- We should continue to encourage experimentation and technical excellence in HAM radio.
- We should continue to find ways in HAM radio to allow participants to grow, attain new goals, and make accomplishments. We should be sure that people have something to work for and feel good about when they get it.
- These goals should be difficult, but not out of reach of MOST people -- and relevant to the hobby of HAM radio.
- FINALLY, we should not assume the average HAM is lazy or below average in intelligence. So we should not make these goals too easy to attain.

I have heard all of these arguments through reading 9 months of discussion on the code/no code issue. I believe they all have merit. I do not believe any one of them precludes or necessitates the inclusion of a CW test to obtain a license to operate HAM radios.

The one thing I do feel strongly of is that we should find ways to assure our bands remain disciplined and that we provide goals for our fellow hobbyists. However, I currently have no data to support the argument that test format or the CURRENT incentive licensing system achieves those goals.

I do believe incentives are good, though. When you work hard for something and attain it, you achieve a greater level of self respect, and you are inclined to be active in protecting the rights you worked for.

```
*******************************************
  Joe Mastroianni
  jdm@cadence.com      AA6YD @ N6LDL  or KN6J
```

```
From -6414586705952749526
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5de4d117c0a4aee6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 22:12:31 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!
ncar!gatech!udel!princeton!czar.Princeton.EDU!fuchs
From: fuchs@czar.Princeton.EDU (Ira Fuchs)
Newsgroups: rec.ham-radio
Subject: Getting back in.
Message-ID: <3781@idunno.Princeton.EDU>
Date: 1 Nov 90 19:53:15 GMT
Sender: news@idunno.Princeton.EDU
Reply-To: fuchs@czar.Princeton.EDU (Ira Fuchs)
Lines: 3
Posted: Thu Nov  1 20:53:15 1990
```

My General class ticket expired many moons ago (around 1970 or so). I assume that I have to start over and take the code and theory examinations to get my license. (I think that I can still remember code but probably not at much better than 5wpm). I use to be active on 15 and 20 m but would now like to play around with packet radio. What class of license would make sense (used to be Technician) today and is Kaufman's Q&A still the text to study? I don`t suppose there is anyway way to get one's old call sign back (WB2CLL), is there? I imagine it is in use by some chap. Can one request particular call signs (old or new)? Used to be that Amateur Extra class could get old call signs. Of course, this is more for nostalgia thatn any practical need. Thanks very much.

From -5844477354386195932
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9639ad789d0ea057,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-01 23:01:50 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!ucbvax!SIUCVMB.BITNET!GR6588
From: GR6588@SIUCVMB.BITNET (Kelly Jones)
Newsgroups: rec.ham-radio
Subject: Packet TCP/IP
Message-ID: <9011012054.AA24794@ucsd.edu>
Date: 1 Nov 90 20:51:02 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 22
Posted: Thu Nov 1 21:51:02 1990

Hi everyone, I'm not sure if this is the place to post this or not, but it seemed relavant at the time. I recently got involved with TCP/IP on packet radio. Using a modified version of Phil Karn's Net.exe (G1EMM I beleive) and I was wondering if there is any type of manual available for this version. I have the original version that came with NET.EXE (dated January 1987, I think). This has been very helpful, but there are a lot of questions that are still unanswered. Any help with this would be greatly appreciated. Second question concerning TCP/IP: Can anyone point me in the right direction as to getting an addresss. I sent Brian Kantor a message but have not heard anything from him.
Is he still in charge of this, and if not, could someone point me in the right direction?   Once again, thanks for any help you can provide me.

```
                                                  ...Kelly...
+---------------------------------------------------------------------------+
|  Kelly D. Jones   KE9KD  (since 1985)            |        W9UIH         |
|                                                  |     (since 1934)     |
|  INTERNET:  GR6588@SIUCVMB.CDALE.SIU.EDU         |So. Illinois Univ. ARC|
|  BITNET:    GR6588@SIUCVMB.BITNET                |Eng. + Tech Building D|
|  PACKET:    KE9KD@WD9EBQ.IL.NA.USA.EARTH.MILKY-WAY|    Carbondale, IL    |
|  SNAIL:     RR 2, Box 109, Carbondale, IL  62901  |        62901         |
+---------------------------------------------------------------------------+
```

From -5409450045486285394
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 01:54:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!hpcuhb!hpsqf!hpqmola!hpqmole!dstock
From: dstock@hpqmole.sqf.hp.com (David Stockton)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <410001@hpqmole.sqf.hp.com>

Date: 2 Nov 90 09:54:17 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
Organization: HP,Queensferry Microwave UK
Lines: 52
Posted: Fri Nov 2 10:54:17 1990

2nd ever attempt at posting - anything could happen - apologies in advance!

My UK licence spells out very clearly that certain HF bands are shared and that we use them only on a secondary basis. Some of the primary users are shore stations and some were/are only equipped to transmit CW. These users have the right to ask amateurs to close down. If the rule-makers were not satisfied that amateurs could be relied upon to understand a request to QRT in CW at a speed that a commercial op could go down to, then we probably would have fewer HF/MF bands. It is likely that CW was seen as a sort of simplest common denominator with (at that time) the best chance of getting through so even phone and RTTY stations might have to resort to it !

As RF tends to be rather non-patriotic regarding immigration control,even countries without secondary-status amateur bands have a CW requirement to help those who do.

I believe that there is an international agreement insistint on proof of CW ability (no particular speed, though) for access to <30MHz amateur bands.

Marine radio is dropping the use of CW, and is also using satellites increasingly. It is possible that if the legislators can agree, and that if secondary user bands remain then some "universal" mode to substitute for CW can be agreed upon, then CW can become an optional skill

I think that it is fair to say that the CW requirement was a reasonable thing when it was imposed, and the reasons (as seen by legislators) are only just now going away, but no-code licences will be possible.

The UK does not have incentive licencing , so we probably have a different viewpoint to those of you in the US, But we do have no-code amateurs on all >30 MHz bands, all modes, full power. This enables one with no interest in HF to choose to ignore CW. To go on HF requires a CW test pass to comply with, I believe, internationally agreed requirements. Many of our no-code people are good operators although some are bad. Of those who passed the CW test, exactly the same can be said.

I find CW fun

I hope people will voluntarily try it

I hope they enjoy it

I just dont see any advantage to amateur radio in forcing it down other people's throats.

I think that it is ill-mannered to try to FORCE your values on others

  I think I'd better find a flame-proof suit

   73
  David, GM4ZNX   (yes, an HF callsign :-)

```
From 1771166787235383436
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f67519cd964f4773
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 06:54:12 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!rutgers!usc!samsung!
uakari.primate.wisc.edu!sdd.hp.com!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!
ricks.enet.dec.com!reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: Re: CQWW Phone Results
Message-ID: <16893@shlump.nac.dec.com>
Date: 2 Nov 90 14:54:12 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation - Hudson, MA
Lines: 24
Posted: Fri Nov  2 15:54:12 1990
```

In article <1990Oct31.183406.13602@cbnewsj.att.com>,
     w1gd@cbnewsj.att.com (gerald.j.kersus) writes...
>Steve, N2IC/0, asked me to post this:
>
>K1AR (multi-operator/single transmitter):
>
>4445 QSO's
>170 Zones
>706 Countries

This was also more countries than W3LPL worked, a MULTI/MULTI station!

jim, AD1C

=-=

"The opinions expressed here in no way represent the views of Digital
 Equipment Corporation."

James J. Reisert   Internet: reisert@ricks.enet.dec.com
Digital Equipment Corp.   UUCP: ...decwrl!ricks.enet!reisert
77 Reed Road
Hudson, MA 01749-2895

```
From 8451078326635069425
X-Google-Language: ENGLISH,ASCII-7-bit
```

```
X-Google-Thread: 10c9e3,6a52980d2c3608d8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 06:56:07 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!decwrl!
bacchus.pa.dec.com!shlump.nac.dec.com!ricks.enet.dec.com!reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: Re: K1EA Software CT.EXE
Message-ID: <16894@shlump.nac.dec.com>
Date: 2 Nov 90 14:56:07 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation - Hudson, MA
Lines: 24
Posted: Fri Nov  2 15:56:07 1990


In article <475@ssc.UUCP>, tad@ssc.UUCP (Tad Cook) writes...
>
>WHAAT??!?  Bob McGwier, the DSP whiz is into HF CONTESTING??!?!?
>
>I see all the posts on here from folks who want to dump the code, and
>say they are only interested in being on the "cutting edge" of technology.
>They usually characterize HF contests as a "waste."  Now we find out
>that N4HY, besides being on the frontier of new ham technology, is
>also particitpating in the CQ Worldwide DX Contest!

Well, it *was* a phone, not a CW contest... :-)

jim

=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=

"The opinions expressed here in no way represent the views of Digital
 Equipment Corporation."

James J. Reisert                Internet: reisert@ricks.enet.dec.com
Digital Equipment Corp.         UUCP:     ...decwrl!ricks.enet!reisert
77 Reed Road
Hudson, MA  01749-2895


From 1569592081759360621
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,719fab3e6e2af73e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-11-02 10:13:40 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
cs.utexas.edu!ut-emx!ccwf.cc.utexas.edu!spam
From: spam@ccwf.cc.utexas.edu (Charles E. Watson)
Newsgroups: rec.ham-radio
Subject: Re: Wants random character/word morse trainer
Message-ID: <39050@ut-emx.uucp>
Date: 2 Nov 90 11:38:21 GMT
```

Sender: news@ut-emx.uucp
Reply-To: spam@ccwf.cc.utexas.edu (Charles E. Watson)
Organization: The University of Texas at Austin
Lines: 10
Posted: Fri Nov 2 12:38:21 1990

A while back I posted to this news group and recieved good results. However, I still have not found a morse code trainer. I have recieved from some hams at Sun a wonderful morse generating program. Type what you want to hear and end with a carriage return. It is called 'send'. The tones that are produced are pleasing to the ear. However, this is NOT a morse trainer. Does anybody have some C source code for a morse trainer? Especially one that could be grafted together with 'send'. BTW, 'send' supports the farnsworth method :-) Also, 'send' is for /dev/audio on the sparc1+, so keep that in mind if think you would want it for your machine.

From 4453311937203762091
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6d1ac5fe9f3dbca,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 09:03:10 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!abvax!iccgcc!macmillan
From: macmillan@iccgcc.decnet.ab.com
Newsgroups: rec.ham-radio
Subject: PRB-WON battle victory -- WAR still on.
Message-ID: <1705.272d6bfe@iccgcc.decnet.ab.com>
Date: 30 Oct 90 17:03:10 GMT
Lines: 26
Posted: Tue Oct 30 18:03:10 1990

On September 21, 1990 the federal court in Cleveland Ohio filed an order which gave me a battle victory (war not over) in my quest for a permit to put up a Mosley TA33M tribander at my QTH in ROCKY RIVER, OHIO.

The judge declared that the "government's strong interest in amateur communications" was not considered in denying my permit and therefore the ordinance cited was prempted by PRB-1.

The ARRL has a copy of the order and there will be a note in the December QST.

We have been at this for four years and it isn't over, but at this time, it appears close.

I have the text of the order scanned and on disk but am not sure if this is the place to post a 30K file.

We are in the 6th circuit, federal courts.

We have no CCRs or ordinances prohibiting antennas, there are about 6 towers and tribanders in this city of 21,000 and it is just a case of the neighbors having more pull at city hall than the federal law.

73 de WA8ZHN
Jim

```
From -2073570133672623794
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a52980d2c3608d8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 09:24:57 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!ub!rutgers!njin!
princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: K1EA Software CT.EXE
Keywords: Logging software contest
Message-ID: <798@idacrd.UUCP>
Date: 30 Oct 90 17:24:57 GMT
Organization: idacrd, princeton, nj
Lines: 34
Posted: Tue Oct 30 18:24:57 1990
```

During the CQWW, we used it at N2RM. I might mention that N2RM set the US record and won in the US if our final tally holds up under close scrutiny. K1EA was an absolutely indespensible part of the effort. We had 9 stations going. Each BAND had K1EA running and `networked' to all the others <AND> to a PACKET cluster. The PACKET cluster call outs are displayed live during the contest and made a significant difference in our getting 40 zones on multiple bands and I personally credit not only operator skill at N2RM, excellent equipment, but also the efficiencies afforded by K1EA. Logging is a breeze and DUPES need never be entered. If you here a callsign and many are calling and you wish to know if it would be valuable to hang around long enough to get the station, K1EA will tell you whether or not this station is needed on the band you are operating. If you are networked, it will yell at you if a station is called out on the packet cluster and inform you the station just called out is needed AND on what bands. I credit this with 10% of ALL N2RM's multipliers.

N2RM's tally was 18.2 million.

I have no connection with K1EA and used it for the first time during the CQWW. It is worth every cent you pay for it during this kind of effort and I am sure it would be even more valuable to a single op unassissted in keeping records straight.

73's
Bob
N4HY

--

My opinions are my own no matter | Robert W. McGwier, N4HY
who I work for! ;-) | CCR, AMSAT, etc.

From -5411866333197381901
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4028b889d8738e2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 09:27:56 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!wuarchive!zaphod.mps.ohio-state.edu!ub!rutgers!njin!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: CQWW SSB
Message-ID: <799@idacrd.UUCP>
Date: 30 Oct 90 17:27:56 GMT
References: <1156@larry.sal.wisc.edu>
Organization: idacrd, princeton, nj
Lines: 21
Posted: Tue Oct 30 18:27:56 1990

From article <1156@larry.sal.wisc.edu>, by sde@larry.sal.wisc.edu (Scott Ellington):
>
> There must be some new record scores. Has anyone heard any? (Like P40V?)
>

We worked over 2000 on both 20 and 15 and 1950 on 10 meters and set a new US record at N2RM if our score holds up under close scrutiny. It was one of my better ham operating experiences. Frankly it came close to the joy of having satellites that I participated in building successfully launched. It was a great weekend from 160 - 10 meters.

Bob
N4HY
(N2RM score = 18.2 million at last tally)

--

My opinions are my own no matter | Robert W. McGwier, N4HY
who I work for! ;-) | CCR, AMSAT, etc.

From 7814124660052851437
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,519415d8db5999b1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 09:31:24 PST

Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!ub!rutgers!njin!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: IMHO
Message-ID: <800@idacrd.UUCP>
Date: 30 Oct 90 17:31:24 GMT
References: <11192.272c8db5@ecs.umass.edu>
Organization: idacrd, princeton, nj
Lines: 20
Posted: Tue Oct 30 18:31:24 1990

From article <11192.272c8db5@ecs.umass.edu>, by scott@ecs.umass.edu:
> What does IMHO mean? Is this an "in-group" acronym - or am I ignorant of
> some well known English abbreviation?

OH COME ON! IMHO that is the stupidest question I have EVER heard!

Just kidding, it took my brain just about 3 months to decipher the acronym
and I do that kind of deciphering for a living! In My Humble Opinion
and it usually AIN'T so humble!

Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From -7887520765903653880
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed5bb56e4039ae0b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 10:20:26 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!coherent!next!king
From: king@next.com (Peter King)
Newsgroups: rec.ham-radio
Subject: Re: The Dube dude
Keywords: exams (with a note on sexism)
Message-ID: <275@next.com>
Date: 30 Oct 90 18:20:26 GMT
References: <38680@ut-emx.uucp> <1990Oct25.094613@ultnix.enet.dec.com> <1990Oct26.124215.3104@mozart.amd.com> <2757@naucse.cse.nau.edu>
Reply-To: king@Palantir.UUCP (My Account)
Organization: NeXT, Inc.
Lines: 31
Posted: Tue Oct 30 19:20:26 1990

```
In article <2757@naucse.cse.nau.edu> rrw@naucse.cse.nau.edu (Robert Wier) writes:
>In article <1990Oct26.124215.3104@mozart.amd.com>, reed@mozart.amd.com (David F.
Reed) writes:
>> a lot of garbage been flying by here on sexism, and he but not she, etc.
>> so, I propose the "sheheit", perhaps contracted to "sheeit", an expresion
>> which adequately covers this issue (IMHO) since it contains all gender options
>> (she he it), and phonetically reminds one of what this is starting to smell
like... any takers?.
>> --
>
> If anyone has any reasonable, non-flame suggestions on phrases to
> use, I'd be interested...
>
>
> - Bob Wier

I tend to use "Y'all" which I got from my Georgian aunt.  Being from
Southern California, I sometimes mix "y'all" with "radical",
"tubular", and other regional phrases.

     "Like, oh my gawd, y'all!"

I also teach.  While this phrasing sometimes leads to chuckles (and
smirks from English aficionados), I've yet to be accused of being
sexist or gender restrictive.

     "Y'all have to be careful with your power supply bypassing
     when you combine 555 timers with other circuit elements
     because the 555 uses a big slug of current when it switches."



Peter King


From -6214641397404317534
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b0c73fa0a538956
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 10:30:17 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!ethiopia
From: mallick@ethiopia (john a mallick)
Newsgroups: rec.ham-radio
Subject: Re: IC-745
Message-ID: <13236@crdgw1.crd.ge.com>
Date: 30 Oct 90 18:30:17 GMT
References: <9010291342.AA21093@ucsd.edu> <13210@crdgw1.crd.ge.com>
<41520@cci632.UUCP>
Sender: news@crdgw1.crd.ge.com
Reply-To: mallick@ethiopia (john a mallick)
Organization: GE Corp Research and Development, Schenectady, NY
Lines: 24
```

Posted: Tue Oct 30 19:30:17 1990
In-reply-to: cep@cci632.UUCP (co-op)

In article <41520@cci632.UUCP>, cep@cci632 (co-op) writes:
>
>I have one, too (my university club). Would having the radio powered
>"ON" while you pull the switcheroo help? One would think that the
>battery would only have the power to "hold" memory, but not to operate,
>and that the operational voltage would hold memory.
>
>Thoughts?
>
>Chris/WZ2B

Personally, I'm not wild about putting a live soldering iron inside of a "hot" radio, especially one supposedly filled with CMOS. If I remember correctly, the RAM/battery combination is on a plug-in board, so it can probably be removed and put on the bench for the battery swap. Then all you need is a low current supply to keep the memory alive while you do the battery transplant. I'll take another look in the service manual when I get home tonight to see if there is anything I missed. It really makes you wonder about what went through the radio designer's head; I can see putting the memories in battery backed-up RAM, but not the code for the micro-controller. Thank goodness I still have my Drake twins in case my soldering iron slips :-).

John/WA1HNL

From -5092041489630370886
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8545d3eff0750a1a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 10:30:33 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!GTE.COM!alderman_gl%ncsd.dnet
From: alderman_gl%ncsd.dnet@GTE.COM
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9010301830.AA27723@bunny.gte.com>
Date: 30 Oct 90 18:30:33 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 41
Posted: Tue Oct 30 19:30:33 1990

(Richard A Hyde at rah@btr.com writes...)
When I took my code test two months ago (and STILL no certificate!), the VEs DID use a multiple choice test for those who failed to copy one solid minute.   In fact, the pre-test instructions included hints like: "listen for key phrases such as "My name is..." We were then supposed to listen very hard for the next letter. If the next letter was, say, M

and the multiple choices for the senders name were Martha, Jim, Sam, and Tracy.... well, you can see how it goes....

(Don Perley - KE2TP - writes...)
That is sure different from the test I took last summer. The instructions were emphatic that your fill-in-the-blank answer had to be exactly as sent, or be marked wrong. As an example, if the senders QTH was sent as "paramus, nj" and you wrote "paramus, new jersey", or "paramus, n.j." it would be marked wrong.

In addition, the test leaned towards questions that you couldn't answer from context if you had missed a key character, like "how high was the sender's tower?" (something like 179 feet) or some third parties call sign that was mentioned.
...
====================

My experience with the 13 WPM test a couple of years ago matches what KE2TP saw -- fill in the blank... exactly as sent. (Laurel VEC)

However, I actually took that test before I was really up to a solid 13 WPM -- but I passed by the skin of my teeth even with really ratty copy. The phenomenon noted by Rick above was what saved me. The question that put me over the top was: "What kind of pet did he say he had?" My copy (using "*" as a missed character) read something like: "... ***pet *at. " Figuring "cat" as a better bet than "bat" "rat" or any other "*at", I sign myself

-- "Gary" N3FRS, (Amateur Advanced)

P.S. I went home and unplugged my key. I'm not even sure where it is now.

P.P.S. And I *promised* myself I would never add to the code/nocode noise level... oh well.

From 4433925469745478508
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2631dd02572e2d70,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 10:40:07 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Genderless pronoun: na
Message-ID: <21818@ucsd.Edu>
Date: 30 Oct 90 18:40:07 GMT
References: <EF5525CFCB20601320@UCBEH.SAN.UC.EDU>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 12
Posted: Tue Oct 30 19:40:07 1990

MORRISTA%UCMCIC@UCBEH.SAN.UC.EDU writes:

```
>... pronoun to indicate a person without gender ...

I've met a person without gender.  The surgery was quite painful, I'm told.
I think their sense of humor was removed at the same time, or perhaps in
a prior operation.
     - Brian

     /: .*CW.*/:j
     /: *tad@ssc.UUCP/h:j
     /: *david.stark@/h:j
     /: *phil@ux1/h:j


From -3589819722201913750
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,962c2901c1bf6546,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 11:12:46 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!wuarchive!
cs.utexas.edu!ut-emx!ccwf.cc.utexas.edu!jusufgun
From: jusufgun@ccwf.cc.utexas.edu (Gunawan Jusuf)
Newsgroups: rec.ham-radio
Subject: DXCC countries list
Message-ID: <38894@ut-emx.uucp>
Date: 30 Oct 90 19:12:46 GMT
Sender: news@ut-emx.uucp
Reply-To: jusufgun@ccwf.cc.utexas.edu (Gunawan Jusuf)
Organization: The University of Texas at Austin
Lines: 8
Posted: Tue Oct 30 20:12:46 1990


Does anybody out there have a
DXCC countries list in a machine readable format?

Thanks.

----
Jimmy Jusuf (jusufgun@ccwf.cc.utexas.edu)


From -3191572186563018427
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12e7f607b7159e29
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,12e7f607b7159e29
X-Google-Attributes: gid105d97,public
X-Google-Thread: f9270,12e7f607b7159e29
X-Google-Attributes: gidf9270,public
X-Google-ArrivalTime: 1990-10-30 11:32:42 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!masscomp!ocpt!tsdiag!
norm
From: norm@tsdiag.ccur.com (Norm Sandbach)
```

Newsgroups: sci.electronics,rec.ham-radio,rec.video
Subject: Satellite T.V.
Keywords: Video Cipher VCII
Message-ID: <1126@tsdiag.ccur.com>
Date: 30 Oct 90 19:32:42 GMT
Organization: CONCURRENT,ENG. SERVICES,OCEANPORT NJ
Lines: 150
Xref: gmdzi sci.electronics:9362 rec.ham-radio:16311 rec.video:4989
Posted: Tue Oct 30 20:32:42 1990

A while back I posted for info on Satellite T.V. Video Cipher srambling. The following are three of the best mailings I received out of many. A lot of people asked me to post any info I got so here it is:
(Names of posters have been deleted)

(1)

> I have some questions regarding Satellite T.V. and VideoCipher II.

> 1) How come I never see this subject on the net ?

Touchy topic. CAN be but not necessarily illegal. I like reading about it, but I stay away from actually doing the modifications. Kind of like picking locks - interesting, but it can get you into some real trouble if you go around doing it.

> 2) Did any of you read the articles in Electronic Eng Times on DecTec
> and the new SUN decoder (Oct. 22, 1990)? Does anyone have the address
> of DecTec or info on ordering the SUN decoder ?

NO. There is a unit called "Sync-A-Link" which gets the video on VCII services. There is also a complete VCII clone available in Canada - but it would violate too many copyrights to import into this country. Really, as far as I'm concerned, GI has a monopoly here and that shouldn't exist!

> 3) Whats the latest scoop on VCII decoder hacking, anyone got the 032
> type working ?

032 boards work. They're a bit more difficult. They take different software and different seed keys. They can be converted to 010s with a $100 or so module.

> 4) Can anyone explain the following : Wizard Chips, Seed Key archival,
> Auto Updating units, Musketeering, what services the 900 number provides
> and how is a unit modified for the 900 number codes ?

Wizard (keys): These are the decryption codes for the audio stream. They are called Wizards because one set (18 bytes) gets all audio for backyard subscribable services. There is a new one each month. This is the key "cheat" boxes get - actually all boxes get this number. "Cheat" boxes ignore the service mask that accompanies the wizard code.

Seed Key Archival: Seed keys are 28 bytes of keys that come in RAM in a cypher when you buy it. The way the sysem works is this: the vc monitors the data stream looking for it's serial number. When it sees it, it grabs the block of data intended for it. This data are the Wizard codes and channel mask (usually for next month) in encrypted form. The seed keys are used to decrypt this info. The seed keys are kept in RAM which is backed up by a lithium battery. These batteries die in about 4 years and then the vc becomes "brain dead" - it forgets it's seed keys and serial number and no longer can receive the services it is subscribed to. Another use (the reason this was done) is that if you give several boxes the same serial number and seed keys, they will get the same services - so you have a "cheat box". Doing this is called "Muscateering". In addition, most Muscateer software ignores the service enable mask so that the original board only need be subscribed to a cheap service.

Auto Update: By having the appropriate seed keys and serial #, you never have to touch the vc and it will continue to get service.

900#: the one you want is: 1-900-HOT-SHOT. For $3.50, this call will give you one of 3 sets of Wizard keys: 010-019, 032, or F3-18 (a service that you can't subscribe to and thus has a different wizard key)
You won't need to make this call if you have auto updating software. To use these numbers, you need software that allows you to enter them.

> 5) Which of the VCII's have been cracked (ie: 019, 029, 032) and which
> ones have not.

Cracked: 010-019, 032.
The VC+ (029?) has been reported to have been compromised. It is hard to assess yet, because no (or just recenlty) VCII+ services are available.

> 6) What are the best sources for info on this subject, how about
> Telecode ?

Telecode is OK, but I don't think they sell complete software. They do have a lot of info which could probably give you a good background. After all - this is Educational, right?

> 7) How about the Oak system ?

Can be done. It also requires software - but I haven't taken a look at it.

> Any information would be great! Now don't worry, I would never do any
> thing thats illegal. I just want to further my knowlege on how these
> things work. Thanks, Norm.

I had a chance about 6 months ago to take an 010 apart and see how it works. Rather interesting - but REALLY BAD DESIGN. Easily compromised and the VCII serices was built to fail. (Several parts go bad in 3-4 years. Maybe GI wanted to recycle the boards every so often... but it costs the consumer)

Receiving unauthorized programming through a modified Videocipher module is potentially unlawful, thus there is reluctance to discuss any methods in a public forum such as this.

What can be said is that the Videociopher 2000 and 2100 models 018, 019 and 032 have been widely compromised by so-called "chippers". Who alter the units' firmware to simulate authorization of multiple services. The compromise is made possible by an extremely poor and short-sighted design of the DES key manangement by MA/Com, the original designers of the system.

There have been significant changes incorporated in the newer Videocipher Plus which are claimed to prevent chippers from attacking with current stategies. Digicipher, reported to be compatible with HDTV, is in the works.

Yes, there is a 900 number which reads numbers to you in hexadecimal format. There is no explanation of what the numbers are for or what to do with the numbers. I don't think it would be a very smart idea to call that number from your own home unless you want the FBI knocking on your door next month.

There are many sources of so-called Videocipher "repair" software. The best way to find out is to get a copy of a magazine called "Satellite Watch Newsletter" and read the ads (it is virtually 100% ads). It's easy to get taken. I doubt that anybody is going to be stupid enough to go the the postal inspector complaining that he/she was ripped-off buying illegal Videocipher firmare, but only recieved a box of a few scraps of wire and some old TTL chips.

(3)

With respect to your questions, I don't think I can be of much help other than on the subject of the 900 number. I "invested" some $40-50 for something called a super chip, or something like that, and all that came was a $0.50 ic socket, and some nearly useless directions and a data disk that I haven't looked at yet. From what I gather, you must scrape off some of the epoxy from one of the VCII chips and solder the ic socket over it. You then use an eprom programmer to program an eprom to plug into the socket (eprom not included, and no indication of what type eprom to use). Aparently the data on the eprom must be updated once a month via the 900 number. I have not tried this so I have no idea if it works.

Something out there must work, cause they are offering nearly twice the purchase price for old version VCIIs, and the manufacturer is actively trying to get people to trade in the old units.

An interesting source of information is on satellite. I'm not sure, but I think on S1 on Tue or Wed night, ?9 or 10pm est? Some crazy guy tries to sell used sat equipment for 5 times what it would cost at a hamfest or flea market, but he is interesting to listen to, and talks a lot about the VCII situation.

(End)

Well, thats the best information I've received so far.
Does anyone have some more to add to this ?
Remember that fooling around with VCII's to receive scrambled broadcastsiis illegal and you could be fined and or sent to jail for it! But talking aboutit is

not, Norm.
--
US MAIL: Norm Sandbach -WANTED- Old Radios, parts, radio related items
FAX: 201-870-5952 2 Crescent Pl. Oceanport NJ 07757 PH 201-870-4227
UUCP: rutgers!petsd!tsdiag!norm or norm@tsdiag.ccur.com

From 8449284099991188214
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db6320b732148054,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 11:35:11 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
skvax1.csc.ti.com!anderson
From: anderson@skvax1.csc.ti.com (John H. Anderson N5OPY)
Newsgroups: rec.ham-radio
Subject: HW 101 Power Supply HELP/WANTED
Message-ID: <9010301935.AA08521@tilde>
Date: 30 Oct 90 19:35:11 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Tue Oct 30 20:35:11 1990

A friend is looking for the power supply to go to an HW101 which he has, but has never used. He would like to buy the supply. Otherwise, if someone had the drawings, he could build one up.

If he can't find anyone willing to sell the supply, he is willing to sell the HW101.

Please email me direct.

-
John H. Anderson, N5OPY
anderson@skvax1.csc.ti.com
N5OPY@N5LDD.TX.USA.NA

From 1873460631537107846
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 11:51:44 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!sdd.hp.com!ucsd!ucbvax!agate!shelby!
portia.stanford.edu!jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Oct30.195144.10463@portia.Stanford.EDU>
Date: 30 Oct 90 19:51:44 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct28.191442.16979@bellcore-2.bellcore.com> <461@ssc.UUCP>

Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 10
Posted: Tue Oct 30 20:51:44 1990

In article <461@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>What elitist crap! Are PhDs from Belcore the only folks with valid
>opinions?

Probably not, but at least they're capable of spelling "Bellcore"...

;-)

-=Paul Flaherty, N9FZX | Life is an inherent shift - reduce conflict.
->paulf@shasta.Stanford.EDU |

From -5302728055281228082
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 11:59:18 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!agate!shelby!portia.stanford.edu!jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Oct30.195918.11041@portia.Stanford.EDU>
Date: 30 Oct 90 19:59:18 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct28.185659.11837@NCoast.ORG> <463@ssc.UUCP>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 14
Posted: Tue Oct 30 20:59:18 1990

In article <463@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>So why does Brandon claim that Mr. Herbster is forcing CW on anyone? Why
>is liking Morse a crime on rec.ham-radio? Herbster didn't INVENT the
>Morse requirement!

An interesting logical syllogism. Hitler didn't invent guns. Therefore Hitler didn't force guns on anyone. The implications are fascinating.

The crime here is forcing a human being to spend time learning a skill that, most likely, he or she will never really use. From a utilitarian standpoint, that's clearly immoral.

-=Paul Flaherty, N9FZX | Life is an inherent shift - reduce conflict.
->paulf@shasta.Stanford.EDU |

From -5231390628474645760

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 12:02:36 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!usc!
elroy.jpl.nasa.gov!jpl-devvax!jenkins
From: jenkins@jpl-devvax.JPL.NASA.GOV (Steve Jenkins)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Summary: Phil, you elitist slut!
Message-ID: <10174@jpl-devvax.JPL.NASA.GOV>
Date: 30 Oct 90 20:02:36 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct28.191442.16979@bellcore-2.bellcore.com> <461@ssc.UUCP>
Reply-To: jenkins@jpl-devvax.JPL.NASA.GOV (Steve Jenkins)
Organization: Jet Propulsion Laboratory, Pasadena, CA
Lines: 26
Posted: Tue Oct 30 21:02:36 1990

In article <461@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>What elitist crap! Are PhDs from Belcore the only folks with valid
>opinions?

The assertion that CW is "efficient" should not be a matter of
opinion; it is a testable statement falling within the domain of
information theory. If knowing that is elitism, then ham radio needs
more of it.

I invite anyone who thinks CW is really spectrum-efficient to give me a
call next time you're in LA. I'll take you over to meet some people
from the JPL Deep Space Network. They're the world gurus of weak signals,
and they do it all with "Belcore (sic) PhD elitist crap".

And before anyone feels the need to point out that the DSN isn't ham
radio, yes, I know it isn't. But CW either is or isn't efficient, and
people who understand the question say it isn't. CW does have the
advantage that it can be decoded by ear by a sizeable group of people.
In other technical respects it's unimpressive.

If you like it, use it and be happy. Don't expect everyone to think
your reasons are compelling.

--
Steve Jenkins N6UNI   jenkins@jpl-devvax.jpl.nasa.gov
Caltech/Jet Propulsion Laboratory   (818) 354-0162

From -5069017683624974125
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 12:36:41 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!usc!ucsd!ucbvax!bloom-

beacon!tmurphy
From: tmurphy@athena.mit.edu (Thomas C Murphy)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Oct30.203641.5283@athena.mit.edu>
Date: 30 Oct 90 20:36:41 GMT
References: <9217@b11.ingr.com> <1990Oct28.185659.11837@NCoast.ORG>
<531@chiton.ucsd.edu>
Sender: daemon@athena.mit.edu (Mr Background)
Organization: Massachusetts Institute of Technology
Lines: 14
Posted: Tue Oct 30 21:36:41 1990

In article <531@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
>
>I am sick and tired of all the self-proclaimed Gods of Ham Radio who insist
>that because they don't like Morse Code, they have the right to deny it to
>everyone else. Since when does the fact that you don't like it count for anyone
>except yourself?

Actually, if you look back at the various messages on the subject,
nobody has suggested denying morse to anyone, just not requiring it.
It's misunderstandings like this that contribute to the problem.

Christopher Murphy, N1HQL
MIT Network Services
tmurphy@mit.edu

From 5920132448243378659
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20bd694e69c8dc34,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 12:55:29 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!wuarchive!udel!
burdvax!techpubs
From: techpubs@PRC.Unisys.COM (Technical Pub. Vince Short)
Newsgroups: rec.ham-radio
Subject: Spread-Spectrum Radio Info
Message-ID: <15452@burdvax.PRC.Unisys.COM>
Date: 30 Oct 90 20:55:29 GMT
Organization: Unisys Corporation, Paoli Research Center; Paoli, PA
Lines: 18
Posted: Tue Oct 30 21:55:29 1990

Are there any good sources on spread spectrum radio transmission technology,
using both direct-sequence and frequency-hopping techniques that could be
applied to data transmission in high noise environments like Local Area
Networks on factory floors?

Looking for books on the topic, magazine or journal articles, or direct
first person knowledge.

Thanks.

Joseph M. Fedock N3IE
Unisys/DS/EISG/VFL
Paoli, PA 19301
(215) 648-2495
techpubs@PRC.Unisys.COM

```
From -2100448769878002087
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8545d3eff0750a1a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 13:12:43 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!wuarchive!swbatl!synoptics!jkaidor
From: jkaidor@synoptics.COM (Jerome Kaidor)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <22051@mvis1.com>
Date: 30 Oct 90 21:12:43 GMT
References: <9010301830.AA27723@bunny.gte.com>
Organization: SynOptics Communications Inc. Mountain View, Ca.
Lines: 19
Posted: Tue Oct 30 22:12:43 1990
```

In article <9010301830.AA27723@bunny.gte.com> alderman_gl%ncsd.dnet@GTE.COM writes:

>
>However, I actually took that test before I was really up to a solid
>13 WPM -- but I passed by the skin of my teeth even with really ratty
>copy. The phenomenon noted by Rick above was what saved me. The
>question that put me over the top was: "What kind of pet did he say he
>had?" My copy (using "*" as a missed character) read something like:
>"... ***pet *at. " Figuring "cat" as a better bet than "bat" "rat" or
>any other "*at", I sign myself
>

Gee, if you can pass the test by copying, say, every _third_ character and playing multiple-choice games, you can pass your General after you attain the lofty speed of.... 5WPM! But you'll have to get to at _least_ 7-8WPM before you can attempt the Extra. Whatever happened to the old "One minute solid copy of random code groups"? (Oh, no! I've dated myself!)

- Jerry Kaidor, KF6VB

```
From -1316024146683747194
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed5bb56e4039ae0b
```

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 13:19:34 PST
Path: gmdzi!unido!mcsun!uunet!munnari.oz.au!goanna!minyos!chudich!rcosj
From: rcosj@chudich.co.rmit.oz (John Simmons)
Newsgroups: rec.ham-radio
Subject: Re: gender neutral pronouns (was: Re: The Dube dude)
Keywords: gender neutral pronouns s/he he she
Message-ID: <6134@minyos.xx.rmit.oz.au>
Date: 30 Oct 90 06:04:02 GMT
References: <38680@ut-emx.uucp> <1990Oct25.094613@ultnix.enet.dec.com>
<1990Oct26.012152.18380@cunixf.cc.columbia.edu>
Sender: news@minyos.xx.rmit.oz.au
Lines: 12
Posted: Tue Oct 30 07:04:02 1990

gp15@cunixf.cc.columbia.edu (Gerald Pulver) writes:

>In article <1990Oct25.094613@ultnix.enet.dec.com>
>taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber) writes:
>>...
>>Personally, I back the use of "they"/"their"
>>over such awful contructions as "he/she" or the muy disgusto "heesh."
>>...

>How about "s/he"?

Whatever hapenned to 'people' ?

From -5608828004187507689
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,778cc447076cefa6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 13:35:28 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!
stlvm6.iinus1.ibm.com!archer
From: archer@stlvm6.iinus1.ibm.com ("Gary D. Archer")
Newsgroups: rec.ham-radio
Subject: Fair Radio
Message-ID: <9010302134.AA26557@ucsd.edu>
Date: 30 Oct 90 21:35:28 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Tue Oct 30 22:35:28 1990

Could someone send me the address and phone number of Fair Radio Sales,
I'd also like some names/numbers of other great surplus outfits.

Thanks...
Gary (just a waiting for my license) Archer

```
From -2465070579373094800
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a37d30a0f86c9e4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 13:48:11 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!network.ucsd.edu!dcdwest!plb
From: plb@dcdwest.uucp (Phil Blais)
Newsgroups: rec.ham-radio
Subject: Re: extra callsigns
Keywords: calls
Message-ID: <1990Oct30.214811.3375@dcdwest.uucp>
Date: 30 Oct 90 21:48:11 GMT
References: <1990Oct26.223332.25810@ux1.cso.uiuc.edu>
Organization: ITT Defense Communications Division - West
Lines: 19
Posted: Tue Oct 30 22:48:11 1990

In article <1990Oct26.223332.25810@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil
Howard KA9WGN) writes:
>The fact that 2x1 calls for Extra are running out is a concern.  These are
>the incentives to upgrade to Extra:

.... Lots deleted ....
>
>What we need is for the FCC to start recycling unassigned calls.
>--                             ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

Far be it from me to spread RUMORS (-;  but a friend of a friend has
informed me that the FCC is planning to open a small window to do just
that for a nominal fee. I don't know if its true, when or if it will
happen or anything else about it but if anyone on the net hears anymore
on the subject please post.

--
phil blais  N6KXD (ex WD6ETL)    ITT    Aerospace Communications Division
dcdwest!plb@ucsd.edu           DEFENSE    10060 Carroll Canyon Road
ucbvax!ucsd!dcdwest!plb                      San Diego, CA 92131
```

```
From -2779873173818333541
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,519415d8db5999b1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 14:20:08 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!wuarchive!zaphod.mps.ohio-state.edu!
sdd.hp.com!hplabs!hpcc05!hpcuhb!hpda!hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: IMHO
Message-ID: <7120144@hpcupt1.cup.hp.com>
Date: 30 Oct 90 22:20:08 GMT
References: <11192.272c8db5@ecs.umass.edu>
Organization: Hewlett Packard, Cupertino
```

Lines: 6
Posted: Tue Oct 30 23:20:08 1990

IMHO - In My Humble Opinion
BTW - By The Way
:-) - smiley face (HI)
;-) - half smiley face
8-) - like WOW
:-(- ~smiley face

From 7815691604771784700
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f387812138f968a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 15:01:46 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!src.honeywell.com!
msi.umn.edu!noc.MR.NET!nic.stolaf.edu!news
From: news@acc.stolaf.edu
Newsgroups: rec.ham-radio
Subject: Re: CBS REPORT
Message-ID: <1990Oct30.230146.12122@acc.stolaf.edu>
Date: 30 Oct 90 23:01:46 GMT
References: <9010131959.AA25077@ucsd.edu> <30500787@ux1.cso.uiuc.edu>
<408@ssc.UUCP>
Organization: St. Olaf College
Lines: 38
Posted: Wed Oct 31 00:01:46 1990

In <408@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:

>In article <30500787@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
>>
>> > I will be writing CBS to express my views and I hope that many others
>> > will write them
>>
>> Send a copy to Walter Cronkite as well.

>Uhhhhh....didn't Walt retire from CBS a LONG time ago??!?

You are correct that Walter retired from his full-time anchor position
in 1981 or so. However, he is on the CBS board of directors and DOES
have a tremendous say in their operations, ESPECIALLY the news. I
understand he had a LOT to say on the botched firing of Brent
Mussburger. Say, would someone on the net please post the CBS address
for us poor people who don't have easy access to that kind of
information? Also, the address for transcripts would allow us to flame
intelligently....

73, Paul W. Schleck, KD3FU

pschleck@alf.unomaha.edu

t}

quit

t}
t}

From -7431771961469521101
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4028b889d8738e2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 15:16:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!ricks.enet.dec.com!reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: Re: CQWW SSB
Message-ID: <16831@shlump.nac.dec.com>
Date: 30 Oct 90 23:16:11 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation - Hudson, MA
Lines: 27
Posted: Wed Oct 31 00:16:11 1990

From article <1156@larry.sal.wisc.edu>, by sde@larry.sal.wisc.edu (Scott Ellington):

>
> Were conditions fantastic, or what? People are going to talking about
> last weekend for a very long time. The last two sunspot peaks weren't
> anything like this one. Surely the last comparable one was 1957, but
> that was before even a lot of us old farts had our licenses.

Sorry, I disagree. Yes, the conditions during the 'test were good. *However*, this whole sunspot peak was not nearly as good as the one in 1979, when Japan was worked in New England on 6 meters (I know, I did it), and Alaska was in for days on end, not to mention the Pacific openings. I've heard that really good sunspot peaks are really 2 cycles apart, so expect to see extraordinary conditions again in 2001.

jim AD1C

Go Yankee Clipper CC!

=-=

"The opinions expressed here in no way represent the views of Digital
 Equipment Corporation."

```
James J. Reisert                Internet: reisert@ricks.enet.dec.com
Digital Equipment Corp.         UUCP:     ...decwrl!ricks.enet!reisert
77 Reed Road
Hudson, MA  01749-2895
```

From -4917351632168793287
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7232e34612d35eba,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 15:18:51 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!PICA.ARMY.MIL!cfishman
From: cfishman@PICA.ARMY.MIL (Clark Fishman, FSAC-FCD)
Newsgroups: rec.ham-radio
Subject: 9 volts from +12 volts
Message-ID: <9010301818.aa01646@FSAC1.PICA.ARMY.MIL>
Date: 30 Oct 90 23:18:51 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Wed Oct 31 00:18:51 1990

The most straight foward way to obtain
-9 volts from a + 12 volt source is to use
a state-of-the-art Mallory 4-40 vibrator driving
a transformer and then rectifying it with an OZ4,
followed by an OD3 voltage regulator and a dropping
resistor.   It buzzes and glows in the dark...whatmore
could anyone want??

Clark Fishman WA2UNN

From -6775292653923064914
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cb0cbea66a18d7b7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 15:30:52 PST
Path: gmdzi!unido!mcsun!uunet!nih-csl!lhc!mimsy!haven!udel!wuarchive!
zaphod.mps.ohio-state.edu!swrinde!dptspd!lcz
From: lcz@dptspd.sat.datapoint.com (Lee Ziegenhals)
Newsgroups: rec.ham-radio
Subject: Re: callsign server
Message-ID: <723@dptspd.sat.datapoint.com>

Date: 30 Oct 90 23:30:52 GMT
References: <9010261751.AA13133@odi.com>
Organization: Datapoint Corporation, San Antonio, TX
Lines: 14
Posted: Wed Oct 31 00:30:52 1990

ed@odi.com (Ed Schwalenberg) writes:
>I've lost the information on the mail server(s) for getting at the callsign
>database. I know about Marvin, but now that I'm not on the Internet any
>more I need to know about mail-based servers. Thanks.

I have a callbook server accessable via mail. Send your request to
callbook@sat.datapoint.com, and include a single line with the word "help"
for information.

The database I'm using is a over a year old (September 1989), but I will be
updating it in about a month (I hope!).

73/Lee, N5LYT
lcz@sat.datapoint.com

From 7652169029078426703
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7232e34612d35eba
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 16:04:59 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!wuarchive!swbatl!synoptics!jkaidor
From: jkaidor@synoptics.COM (Jerome Kaidor)
Newsgroups: rec.ham-radio
Subject: Re: 9 volts from +12 volts
Message-ID: <22052@mvis1.com>
Date: 31 Oct 90 00:04:59 GMT
References: <9010301818.aa01646@FSAC1.PICA.ARMY.MIL>
Organization: SynOptics Communications Inc. Mountain View, Ca.
Lines: 13
Posted: Wed Oct 31 01:04:59 1990

In article <9010301818.aa01646@FSAC1.PICA.ARMY.MIL> cfishman@PICA.ARMY.MIL (Clark Fishman, FSAC-FCD) writes:
>The most straight foward way to obtain
>-9 volts from a + 12 volt source is to use
>a state-of-the-art Mallory 4-40 vibrator driving
>a transformer and then rectifying it with an OZ4,
>followed by an OD3 voltage regulator and a dropping
>resistor.   It buzzes and glows in the dark...whatmore
>could anyone want??
>
    No, the most straightforward way to do this is to use a
DYNAMOTOR, which whines and sparks in the dark.

    - Jerry Kaidor, KF6VB

From -5483127277296640482
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 16:37:42 PST
Path: gmdzi!unido!mcsun!uunet!salt.acc.com!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <534@chiton.ucsd.edu>
Date: 31 Oct 90 00:37:42 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct28.185659.11837@NCoast.ORG> <463@ssc.UUCP>
<1990Oct30.195918.11041@portia.Stanford.EDU>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 18
Posted: Wed Oct 31 01:37:42 1990

In article <1990Oct30.195918.11041@portia.Stanford.EDU> paulf@jessica.stanford.edu
(Paul Flaherty) writes:
>
>The crime here is forcing a human being to spend time learning a skill that,
>most likely, he or she will never really use. From a utilitarian standpoint,
>that's clearly immoral.
>
The crime here is denying a human being the opportunity to learn a skill that,
most likely, he or she will use for life. From a utilitarian standpoint,
that's clearly immoral.

AA6PN

--
richard currier   marine physical lab   u.c. san diego
{decvax|ucbvax}   !ucsd!mplvax!rec
rec@mpl.ucsd.edu

From -7633732653269141686
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 16:39:47 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!cs.umn.edu!msi.umn.edu!src.honeywell.com!
sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!rutgers!
cunixf.cc.columbia.edu!gp15
From: gp15@cunixf.cc.columbia.edu (Gerald Pulver)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing

Summary: Has it been proposed that CW be BANNED?
Keywords: Ban CW Morse code Gods of Ham Radio
Message-ID: <1990Oct31.003947.30408@cunixf.cc.columbia.edu>
Date: 31 Oct 90 00:39:47 GMT
References: <9217@b11.ingr.com> <1990Oct28.185659.11837@NCoast.ORG>
<531@chiton.ucsd.edu>
Followup-To: rec.ham-radio
Organization: Columbia University
Lines: 13
Posted: Wed Oct 31 01:39:47 1990

In article <531@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:
> ...
>I am sick and tired of all the self-proclaimed Gods of Ham Radio who insist
>that because they don't like Morse Code, they have the right to deny it to
>everyone else.
> ...

Sticking my two cents in here: I have yet to see anyone propose not allowing
the use of CW by those who would care to use it. All I've seen so far are
people arguing for and against requiring people to pass a Morse code test
before being allowed to utilize other techniques on the air.

Have I missed some radical posting(s) urging the banning of CW?

From -6524147187223055343
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c17eb9f7a861b074
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 16:45:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!uunet!cadence!jdm
From: jdm@cadence.com (Joe Mastroianni)
Newsgroups: rec.ham-radio
Subject: Re: Certificates
Message-ID: <1990Oct31.004552.3425@cadence.com>
Date: 31 Oct 90 00:45:52 GMT
References: <45989@apple.Apple.COM> <4313@altos86.Altos.COM>
<46108@apple.Apple.COM>
Organization: Cadence Design Systems, Inc.
Lines: 34
Posted: Wed Oct 31 01:45:52 1990

In article <46108@apple.Apple.COM> winter@Apple.COM (Patty Winter) writes:
>In article <4313@altos86.Altos.COM> jerry@altos86.UUCP (Jerry Gardner) writes:
>>Speaking of certificates, what is the simplest station/antenna setup
>>that you netters have used to earn them? I've heard that one guy
>>claims to have worked WAS with a soldering iron as an antenna. Another
>>has worked WAS with 2 microwatts. Can anyone beat these?
>
>I certainly didn't make it *that* tough on myself, but for you net
>newcomers out there, I'll briefly mention that all my awards were earned

>by running 100 watts into an aluminum porch awning. (Yes, including the
>DXCC. I'd worked 133 countries by the time I retired the awntenna a few
>months ago.)
>
>
>Patty
>
>--
>***
>Patty Winter N6BIS   INTERNET: winter@apple.com
>AMPR.ORG: [44.4.0.44]   UUCP: {decwrl,nsc,sun}!apple!winter
>***

In a previous life I'd like to forget (as WA2TKQ), I worked Australia from Miami Florida with an HW-8 QRP CW rig using an aluminum window sill as an antenna. A friend of mine (N2CR) and I won first place in our category for that contest (which I think was the CQ WW CW contest in 1978). We operated from a dorm room in Pearson Hall, University of Miami. Australia was our only contact. Our category was Multiop QRP with bizarre antennas. Look it up.

Joe Mastroianni AA6YD
jdm@cadence.com

From -2462611556028776447
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,519415d8db5999b1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 16:47:49 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!usc!ucsd!pacbell.com!att!iuvax!rutgers!cunixf.cc.columbia.edu!gp15
From: gp15@cunixf.cc.columbia.edu (Gerald Pulver)
Newsgroups: rec.ham-radio
Subject: Re: IMHO
Summary: Meaning of acronym
Keywords: IMHO
Message-ID: <1990Oct31.004749.12942@cunixf.cc.columbia.edu>
Date: 31 Oct 90 00:47:49 GMT
References: <11192.272c8db5@ecs.umass.edu>
Followup-To: rec.ham-radio
Organization: Columbia University
Lines: 5
Posted: Wed Oct 31 01:47:49 1990

In article <11192.272c8db5@ecs.umass.edu> scott@ecs.umass.edu writes:
>What does IMHO mean? Is this an "in-group" acronym - or am I ignorant of
>some well known English abbreviation?

IMHO = "In my humble opinion".

From 3025543930032352527
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 17:08:49 PST
Path: gmdzi!unido!mcsun!uunet!salt.acc.com!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <535@chiton.ucsd.edu>
Date: 31 Oct 90 01:08:49 GMT
References: <9217@b11.ingr.com> <1990Oct28.185659.11837@NCoast.ORG>
<531@chiton.ucsd.edu> <1990Oct30.203641.5283@athena.mit.edu>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 32
Posted: Wed Oct 31 02:08:49 1990

In article <1990Oct30.203641.5283@athena.mit.edu> tmurphy@athena.mit.edu (Thomas C Murphy) writes:
>
>Actually, if you look back at the various messages on the subject,
>nobody has suggested denying morse to anyone, just not requiring it.
>It's misunderstandings like this that contribute to the problem.
>

By not requiring it you are denying the necessary exposure to it that will allow new OPs to make their own decision. CW is HARD. Human nature being what it is, sometimes it is necessary to require something unpleasant to get beyond the early learning curve. The number of hams I know personally who tell me that they are glad that they were exposed to CW far outweigh those who think the experience was bogus.

Now here's something you can flame me for...I think the no-code attitude is selfish and arrogant. You want to change ham radio in ways that I think will destroy it. You may have the best of intentions, but I don't think you know and understand what has kept the hobby alive for the past fifty years. The deterioration of good operating procedures we all now hear on the bands is a direct result of the loss of the sense of fraternity and tradition that I still hear on CW. So what conclusions can I draw? I work VHF,UHF,digital and HF SSB and I'm appalled by what I hear. How can I not associate an anti CW thrust with a knife in the heart of the Amateur Radio Service? I hope I'm wrong. I hope I'm just paranoid. But why do I keep spinning the dial down the bands to talk with people who make me feel good about what I'm doing instead of feeling profoundly embarrased?

AA6PN

--
richard currier   marine physical lab   u.c. san diego
{decvax|ucbvax}   !ucsd!mplvax!rec
rec@mpl.ucsd.edu

```
From -5885323428439064812
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20534720d28129ab,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 17:26:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!jarthur!
petunia!unmvax!bbx!yenta!dt
From: dt@yenta.alb.nm.us (David B. Thomas)
Newsgroups: rec.ham-radio
Subject: funny ad for home video xmtr
Message-ID: <1990Oct31.012627.29883@yenta.alb.nm.us>
Date: 31 Oct 90 01:26:27 GMT
Organization: yenta unix pc, rio rancho, nm
Lines: 10
Posted: Wed Oct 31 02:26:27 1990
```

I was just reading a Damark catalog and saw an ad for one of those home video senders:

> "Hook up your cable to another television without the expense
> of the technicians coming in! ... "

Actually, the technicians very well MAY come in...and the generals and the advanced...

little david

```
From -3626893830945538578
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4028b889d8738e2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 18:21:50 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!zaphod.mps.ohio-state.edu!
sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: CQWW SSB
Message-ID: <7880339@hpfcdc.HP.COM>
Date: 31 Oct 90 02:21:50 GMT
References: <1156@larry.sal.wisc.edu>
Organization: HP Fort Collins, Co.
Lines: 19
Posted: Wed Oct 31 03:21:50 1990
```

> Were conditions fantastic, or what?

I was impressed when I dropped in on Sunday. 90% of the voices in 28.3 - 28.5 were contesters, so I figured out my CQ zone and joined the fun:

```
     901028.1223   W7TSQ   28.?U Seattle, Washington.
            1239   HC2G    28.4648U   Ecuador.
            1246   FO8AA   28.4298U   Tahiti.
            1308   XE2CNL  28.?U Mexico.
            1316   CZ7SZ   28.3422U   Canada.
            1333   KK9G    28.3562U   Indianapolis, Indiana.
            1335   WB2WPM  28.3593U   West Seneca, New York.
            1338   N8JMN   28.3775U   Onsted, Southern Michigan.
            1342   9Y4H    28.?U Trinidad?
```

(The times are MST. My location is Fort Collins, Colorado.)

Not bad for 25W and a 20' high dipole, powered by a 2.5AH gel cell battery! (I gotta get my 12V power supply working. :-)

```
From 5390955562229388065
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29d9abd44f737d26,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,29d9abd44f737d26,start
X-Google-Attributes: gid105d97,public
X-Google-Thread: 107518,29d9abd44f737d26,start
X-Google-Attributes: gid107518,public
X-Google-Thread: 10d431,29d9abd44f737d26,start
X-Google-Attributes: gid10d431,public
X-Google-ArrivalTime: 1990-10-30 20:22:07 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sun-barr!lll-winken!unixhub!slacvm!dbg
From: DBG@SLACVM.SLAC.STANFORD.EDU
Newsgroups: sci.electronics,misc.consumers,rec.audio,rec.ham-radio
Subject: Need Modest Public Address System
Message-ID: <90303.202207DBG@SLACVM.SLAC.STANFORD.EDU>
Date: 31 Oct 90 04:22:07 GMT
Organization: Stanford Linear Accelerator Center
Lines: 39
Xref: gmdzi sci.electronics:9372 misc.consumers:2227 rec.audio:6184 rec.ham-radio:16339
Posted: Wed Oct 31 05:22:07 1990
```

I need a modest Public Address system for a nonprofit organization with a modest budget, just something to boost the voice of a quiet president a bit. Budget limit $300 max.

I thought a nice solution might be a boombox with a mike input, and bought on trial a Panasonic RX-DS20 with CD player and tape and FM radio, figuring it could also provide background music for parties etc.
This might work, though I wonder if the 5-inch speakers are up to it.
It seems loud enough but I think I sense a resonance at a few hundred Hertz which might be annoying, and perhaps it won't be loud enough in a room with a hundred people. (price $199)

For a microphone, I thought the ideal would be a wireless mike which broadcasts to the FM radio, and bought (on trial) a Radio Shack 33-1076.
The first one seemed hopelessly distorted, so I exchanged it for a second which is better but still useless. (price $20)

There seem to be a few problems with this approach. The RS mikes seem to
be no-fidelity. (Are there mikes of usable quality which broadcast FM?)
One part of the problem is the Panasonic receiver is digitally tuned,
and it is very very hard to tune the mike accurately. However, transmitting
to an analog-tuned radio also results in awful fidelity, so that isn't
the whole problem. Second, the FM band is pretty full here so it may be
hard to avoid interference.

Does anyone have relevant experience with PA systems for modest-size
groups? We don't want a bull-horn, and don't need rock-band volume, but
want good fidelity and enough volume to handle say 100 people inside a
community-center-type room (typically hard walls, tile floor, acoustic
tile ceiling).
Is there a convenient clip-on mike with wire connections if the FM
broadcast scheme fails?
Any suggestions for an alternate system? We could do without the
CD player and tape and radio if necessary.
-- David B. Gustavson, Computation Research Group, SLAC, POB 4349 MS 88,
     Stanford, CA 94309   tel (415)926-2863 fax (415)961-3530
-- What the world needs next is a Scalable Coherent Interface!
-- Any opinions expressed are mine and not necessarily those
   of SLAC, Stanford University or the Department of Energy.

From -2789603189685572028
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4028b889d8738e2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 20:51:22 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!trey
From: trey@ut-emx.uucp (Trey Garlough)
Newsgroups: rec.ham-radio
Subject: Re: CQWW SSB
Message-ID: <38889@ut-emx.uucp>
Date: 30 Oct 90 15:19:11 GMT
References: <1156@larry.sal.wisc.edu<1990Oct30.134312.20435@cbnewsj.att.com>
Organization: The University of Texas at Austin; Austin, Texas
Lines: 16
Posted: Tue Oct 30 16:19:11 1990

From article <1156@larry.sal.wisc.edu>, by sde@larry.sal.wisc.edu (Scott
Ellington):
> There must be some new record scores. Has anyone heard any? (Like P40V?)
>
> K9MA

N5AU broke the old USA multi-multi record and beat the group that has
been winning these things lately (W3LPL). We had something like 6600
QSOs, 190 zones and 700 countries for 17.2M or so. Unfortunately for us,
YAECO (Yet Another East Coast Operation) from W2-land was a little more
successful and finished on top. *Sigh.*

Maybe it's time to dismantle everything and move to Joisey.

Trey Garlough
Computation Center, University of Texas, Austin, Texas 78712
trey@sirius.cc.utexas.edu (internet) (512-471-3241)

From -4974776573513439546
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3ee2d3453ca5670f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 21:20:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: Which automobiles dislike radio?
Message-ID: <30.Oct.90.13:35:12.GMT.#2110@UK.AC.NWL.IA>
Date: 30 Oct 90 13:33:22 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Tue Oct 30 14:33:22 1990

My fathers Volvo 480 suffers a fuel-injection 'hiccup' whenever i key
or de-key my 50-watt 2-meter radio. I have also set off auto alarms with
25 watts on 440MHz.
The local Volvo dealer was useless at helping with the problem of the
glitchy fuel injection; he has tried to get help from the factory in
Sweden, but there seems to be a chasm of misunderstanding between
'the real world' and 'the factory'.
Also i am told that some Toyota models have a nasty harmonic of the
digital clock xtal which hits 145.4MHz.

Pete Lucas PJML@UK.AC.NWL.IA 0793-411613

From -5305008503749416449
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c237205e7c5636cd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 21:26:06 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!cs.umn.edu!msi.umn.edu!src.honeywell.com!sol.ctr.columbia.edu!samsung!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio
Subject: Looking for Frank Reid
Keywords: Frank Reid
Message-ID: <4120@radio.oakhill.UUCP>
Date: 31 Oct 90 05:26:06 GMT
Organization: Motorola Inc. Austin, Tx

Lines: 10
Posted: Wed Oct 31 06:26:06 1990

I am looking for Frank Reid...I think he's on the net sometimes.
Anyway...Frank if you're out there I need to ask you a speleological
(sic) question. Cave radios in particular.

Thanks in advance,
Charlie Thompson WB4HVD
Motorola Digital Signal Processor Operation
Austin,TX
cs.utexas.edu!oakhill!radio!charlie
(512)891-2939

From -1514729540606649198
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4028b889d8738e2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 21:30:15 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!
pacbell.com!att!cbnews!cbnewsm!cbnewsl!cbnewsk!cbnewsj!k2ph
From: k2ph@cbnewsj.att.com (The QRPer)
Newsgroups: rec.ham-radio
Subject: Re: CQWW SSB
Message-ID: <1990Oct30.134312.20435@cbnewsj.att.com>
Date: 30 Oct 90 13:43:12 GMT
References: <1156@larry.sal.wisc.edu>
Organization: QRM Central
Lines: 26
Posted: Tue Oct 30 14:43:12 1990

From article <1156@larry.sal.wisc.edu>, by sde@larry.sal.wisc.edu (Scott
Ellington):
>
> Were conditions fantastic, or what? People are going to be talking about
> last weekend for a very long time. The last two sunspot peaks weren't
> anything like this one. Surely the last comparable one was 1957, but
> that was before even a lot of us old farts had our licenses.
>
> There must be some new record scores. Has anyone heard any? (Like P40V?)
>
> K9MA

The preliminary total from PJ1B comes to not quite 60 million points.
They made something like 21,105 Qs in 189 zones and 804 countries.
The preliminary total for PJ9W comes to around 53 million points.
Not too shabby. Haven't heard the total from P40V yet.

73,
Bob K2PH

p.s. Go Frankford!

```
--
==========================================================================
Bob Schreibmaier K2PH  | UUCP: att!oblivion!k2ph or k2ph@oblivion.att.com
AT&T Bell Laboratories | ARPA: k2ph%oblivion@att.arpa
Lincroft, N.J. 07738   | ICBM: 40o21'N, 74o8'W
```

From 1475160783665976841
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed49028b71536b3b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 21:30:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ncar!umigw!rsmas!eakin
From: eakin@rsmas.miami.edu
Newsgroups: rec.ham-radio
Subject: Need advice on 10-40m, no radial vertical
Message-ID: <10397.272d3bf2@rsmas.miami.edu>
Date: 30 Oct 90 12:38:10 GMT
Lines: 31
Posted: Tue Oct 30 13:38:10 1990

I need some advice. It looks like I will be moving up to Wash. DC soon & will be in a 1st floor condo. This will force me to leave my tower, beams, etc. behind (boo, hiss). As you might have already guessed, the management has antenna restrictions. The good news is I can put up a relatively (?) unobtrusive antenna (i.e. vertical) while operating, as long as I drop it when I'm off the air. My father-in-law has been operating this arrangement with the Cushcraft R-4 (R-3?), 10-15-20 vertical. This is a nice arrangement as it requires no ground radials & I will have very little real estate (fenced patio w/ micro-lawn). However, I would like something that will also work 40m.

Since I will be operating from ground level, I can probably use something that can be ground mounted, although I may also be able to elevate it about 10' on a single piece of mast.

Ideally I am looking for a vertical that can:

1) operate 10-12-15-17-20-40m (don't care much about 30)
   10-15-20-40 is the minimum.
2) requires no ground radials.
3) can be easily broken down to parts < 15' for storage in the back yard.
4) costs <$200.

Any ideas?

73 de Mark

```
--
C. Mark Eakin
Internet: Eakin@RSMAS.miami.edu
Amateur Radio: N4SYK      Packet Radio: N4SYK@AB4LU.FL.USA.NA
```

USnail: Univ. of Miami, RSMAS-BLR, 4600 Rickenbacker Cswy. Miami, FL 33149-1098

From -6839708753182133722
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9708516d8cc0101c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1165a8,9708516d8cc0101c,start
X-Google-Attributes: gid1165a8,public
X-Google-ArrivalTime: 1990-10-30 22:06:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!dali.cs.montana.edu!milton!uw-beaver!sumax!amc-gw!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio,aus.radio.amsat
Subject: AMSAT News, 10/27/90
Keywords: ham satellites
Message-ID: <466@ssc.UUCP>
Date: 31 Oct 90 06:06:27 GMT
Organization: very little
Lines: 247
Xref: gmdzi rec.ham-radio:16351
Posted: Wed Oct 31 07:06:27 1990

SB ALL @ AMSAT $ANS-300.01
6Y5/WD3Q DXPEDITION SUCCESS

HR AMSAT NEWS SERVICE BULLETIN 300.01 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 27, 1990
TO ALL RADIO AMATEURS BT

WD3Q DX-Pedition To Jamaica A Major Success

Eric Rosenberg (WD3Q) recently returned home to his QTH in Washington, D.C. after his AO-13 DX-Pedition to Kingston, Jamaica. Enjoying the hospitality of Hugh Brand (6Y5HB), the only ham in Jamaica on the OSCARs and using Hugh's satellite equipment, Eric gave a "live" demonstration on Oct. 13th to a group from the Jamaica Amateur Radio Association at their club station, 6Y5RA. Included in this group were non-hams consisting of government officials interested in the emergency communication possibilities of OSCARs. During the Mode B session, Eric made 35 contacts with hams in six countries on three continents. During the demonstration, everyone was able to see a map from QUIKTRAK showing the sub-satellite point of AO-13's ground track. The video monitors were made available through the kindness of a local audio-visual company in Kingston. After the AO-13 pass, Eric gave a slide presentation about the current flock of MICROSATs and what is on the horizon for AMSAT satellites. Also, during his presentation, DO-17 pass came by and using the WhatsUP program, decoded several frames of telemetry "real-time." After the demonstration and presentation, several hams indicated that they would now start on working to become active on the OSCARs. For those lucky few who made a contact with 6Y5RA, you can send your QSL to WD3Q, 338 14th. St., NE, Washington, D.C., 20002.

/EX
SB ALL @ AMSAT $ANS-300.02
S-BAND OSCAR SPECTRUM THREAT

HR AMSAT NEWS SERVICE BULLETIN 300.02 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 27, 1990
TO ALL RADIO AMATEURS BT

Potential Loss Of OSCAR S-Band Spectrum Looming On The Horizon In WARC-92

The FCC has released a 150 page document known as the "Second Notice of Inquiry (NOI)" which outlines the U.S's proposal for the World Administrative Radio Conference (WARC) to be held in Spain in February '92. It outlines several different plans to reallocate the spectrum in the Amateur Radio Satellite service in the frequency range of 2390-2450 MHz. At the recent AMSAT-NA Space Symposium in Houston, TX on Oct. 20, Jan King (W3GEY), AMSAT-NA VP of Engineering, expressed his feelings about the devastating affect this would have on future OSCARs. In what is a very complicated issue, radio amateur use of this portion of the 13cm spectrum would cease so as to accommodate land-mobile systems radio. Also, there is even more pressure to take this spectrum away from radio amateurs by digital audio broadcasting concerns who want to deliver compact disk quality sound service via satellite. In the next couple of weeks the AMSAT News Service (ANS) will be providing more information about this US WARC-92 proposal found in the FCC's General Docket 89-554, paragraphs 84-105.
/EX
SB ALL @ AMSAT $ANS-300.03
RECENT AMSAT-NA APPOINTMENTS

HR AMSAT NEWS SERVICE BULLETIN 300.03 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 27, 1990
TO ALL RADIO AMATEURS BT

Recent AMSAT-NA Board of Director Appointments

At the AMSAT-NA General Meeting held the weekend of Oct. 19-21 in Houston, TX, the AMSAT-NA Board of Directors (BoD) elected the following individuals to serve as officers of the organization for the coming year:

Doug Loughmiller	(KO5I)	President & General Manager
John Champa	(K8OCL)	Executive VP
Ray Soifer	(W2RS)	Senior VP
Drew Deskur	(KA1M)	VP Special Projects
Jan King	(W3GEY)	VP Engineering
Courtney Duncan	(N5BF)	VP Operations
Jeff Wallach	(N5ITU)	VP Field Operations
Andy MacAllister	(WA5ZIB)	VP User Services
Bill Tynan	(W3XO)	VP Manned Space Operations
Art Feller	(KB4ZJ)	Treasurer
Martha Saragovitz		Secretary

The AMSAT-NA BoD has created a new position known as the VP Publications but at this time nobody has been selected to fill this position. Please stay

tuned to ANS bulletins next week about further announcements of appointments made by the AMSAT-NA BoD.
/EX
SB ALL @ AMSAT $ANS-300.04
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 300.04 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 27, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times.
Mode B nets are conducted on an AO-13 downlink frequency of 145.950.
Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date	Phs	mode	UTC	NCS	Alt.	U.S. day
03 Nov 90	98	J/L	1500	N5BF	WD0E	Saturday
10 Nov 90	96	J/L	1835	WA5ZIB	WB6LLO	Saturday
17 Nov 90	145	B	1300	KA5SMA	WB9ANQ	Saturday
24 Nov 90	97	J/L	1430	WD0E	N5BF	Saturday

Nets are scheduled for North American geographic coverage and time zones although other parts of the world are often within the footprint and check-ins from everywhere are welcome. Those who don't have adequate and convenient coverage from this net are encouraged to schedule their own nets via AO-13. Write to AMSAT Headquarters with your schedule and we will run it in ANS.

For information on the amateur satellite program and how you can participate, contact AMSAT-NA Headquarters at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062, or contact your local AMSAT Area Coordinator.
/EX
SB ALL @ AMSAT $ANS-300.05
FALL AO-13 TRANSPONDER SCHED

HR AMSAT NEWS SERVICE BULLETIN 300.05 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 27, 1990
TO ALL RADIO AMATEURS BT

The transponder schedule for AO-13 is as follows:

Mode-B : MA 000 to MA 095
Mode-JL: MA 095 to MA 125
Mode-LS: MA 125 to MA 130
Mode-S : MA 130 to MA 135
Mode-BS: MA 135 to MA 140
Mode-B : MA 140 to MA 256
Omnis : MA 220 to MA 040
This schedule is expected to continue through 26 Dec 90.
The Command Stations have oriented the spacecraft to an attitude of:

BLON = 180 and BLAT = 0

Further attitude refinement may be performed.

AMSAT-OSCAR-10 appears NOT TO have been receiving sufficient solar panel illumination to support Mode-B transponder operations. Both beacon and transponder signals show signs of FMing. Until further notice please DO NOT use AO-10's transponder.

It is expected that AO-10 may once again receive sufficient solar illumination to support Mode-B transponder operation by sometime in November.
/EX
SB ALL @ AMSAT $ANS-300.06
CDSP UPDATE

HR AMSAT NEWS SERVICE BULLETIN 300.06 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 27, 1990
TO ALL RADIO AMATEURS BT

Command Station Development Programs Announces Two Promotions

Bruce Rahn, WB9ANQ, AMSAT Command Station Development Program (CSDP) Technical Coordinator is pleased to announce the promotion of the following individuals to Level-1: Tom Davis, KB7HTA, and Dusty Warner, KF4AU. To be promoted to Level-1 in the CSDP, an individual must demonstrate the ability to receive, reduce, and analyze telemetry data from a significant number of operational amateur radio satellites as well as the ability to work with other people in support of on-going and future AMSAT projects. Tom and Dusty are to be commended and congratulated on this significant accomplishment.

Additional information on the CSDP may be obtained from Bruce. Please send a SASE with one unit of postage to him at 410 Coronado Trail, Enon, Ohio 45323.
/EX
SB ALL @ AMSAT $ANS-300.07
FO-20 CONTINUES OPERATION

HR AMSAT NEWS SERVICE BULLETIN 300.07 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 27, 1990
TO ALL RADIO AMATEURS BT

Both Transponders Operational during Fever

Command stations for Fuji-OSCAR 20 have turned on both transponders (JA and JD) of the feverish satellite. It has been determined that transponder operation has little effect on the internal battery temperature and so it was decided to leave both transponders on. FO-20 has been in a non-eclipsing orbit since mid-August which means that the satellite is constantly in sunlight. The battery temperature has risen to about 40 degrees C (normal operation should have the battery temperature between 0 to 5 degrees C).

The command team for FO-20 will be constantly monitoring the telemetry from FO-20 and may, without warning, turn off the transponders if it is deemed

necessary for the satellite's well being.
/EX
SB ALL @ AMSAT $ANS-300.08
AMSAT SYMPOSIUM HUGE SUCCESS

HR AMSAT NEWS SERVICE BULLETIN 300.08 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 27, 1990
TO ALL RADIO AMATEURS BT
Largest Turnout Yet for AMSAT Space Symposium

The Johnson Spaceflight Center (JSC), near Houston TX was the site of the 1990 AMSAT Space Symposium and was deemed an unqualified success by its over 225 participants. The JSC Amateur Radio Club (JSC ARC) sponsored the event which took place in the JSC Visitor Center Auditorium. 22 talks were presented over the three day event. Subjects of the talks ranged from an update on the Microsat operation, to beginner's sessions on what it takes to operate through a satellite, to a look at possible new satellite projects AMSAT may take on. Ron Parise WA4SIR, along with Lou McFaddin, W5DID, presented a talk on the Shuttle Amateur Radio EXperiment (SAREX) program. Lou spoke on how the concept was developed and "sold" to NASA management. He also brought some of the prototype and flight hardware to be used on the STS-37 flight (which will have at least 4 hams on-board). Ron spoke of his mission on STS-35 and how the amateur operations will be "fit-into" his mission time line.

Saturday evening offered a taste of southern hospitality and cuisine at the JSC Recreation Center. A Texas Bar-B-Q Dinner was enjoyed by the participants which was followed by the AMSAT Annual meeting and Awards Presentation. After Sunday morning's talks, a number of attendees toured the station of Dave Blashke, W5UN, the site of the largest two meter EME array (see Jan 1989 pg 15 for a picture of the site). After Dave demonstrated "armchair" copy of SSB signals off the moon, he was presented an award for his work to rescue DO-17 (DOVE) from a condition which prevented "modestly" equipped command stations from issuing commands to DOVE.

The JSC ARC (W5RRR) has a permanent satellite station in the Visitor Center's lobby area which was used to demonstrate PACSAT and AO-13 operations. A number of attendees were also able to take advantage of the public tours of the JSC which took them into Mission Control as well as other points of interest at the facility. The AMSAT Board of Directors met that same weekend to discuss pressing AMSAT business and to set a direction where AMSAT would head as it looks to the next century.

AMSAT wishes to thank Bill Tynan, W3XO, Chairman of this year's Symposium Committee, as well as the JSC ARC who put together a well organized and exciting program. They are to be commended for all their labors which resulted in the finest AMSAT Space Symposium yet.
/EX

Tad Cook
Seattle, WA

Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

```
From 6562411180462933133
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,541d315736512d09,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1165a8,541d315736512d09,start
X-Google-Attributes: gid1165a8,public
X-Google-ArrivalTime: 1990-10-30 22:09:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!milton!uw-beaver!
sumax!amc-gw!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio,aus.radio.amsat
Subject: AMSAT Orbital Elements, 10/27/90
Keywords: ham satellites, Keplerian Elements
Message-ID: <467@ssc.UUCP>
Date: 31 Oct 90 06:09:44 GMT
Organization: very little
Lines: 352
Xref: gmdzi rec.ham-radio:16352
Posted: Wed Oct 31 07:09:44 1990
```

SB ALL @ AMSAT $ORBS-300.O
Orbital Elements 300.OSCAR

HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES
FROM N3FKV HEWITT, TX OCTOBER 27, 1990
TO ALL RADIO AMATEURS BT

```
Satellite: AO-10
Catalog number: 14129
Epoch time:      90294.89238027
Element set:     555
Inclination:       26.0696 deg
RA of node:       178.8613 deg
Eccentricity:    0.5956963
Arg of perigee:   186.0050 deg
Mean anomaly:     160.8592 deg
Mean motion:    2.05880717 rev/day
Decay rate:      -2.40e-07 rev/day^2
Epoch rev:            2734

Satellite: UO-11
Catalog number: 14781
Epoch time:      90297.12260385
Element set:     802
```

```
Inclination:       97.9370 deg
RA of node:       345.3899 deg
Eccentricity:    0.0011964
Arg of perigee:   195.3256 deg
Mean anomaly:     164.7611 deg
Mean motion:   14.65804274 rev/day
Decay rate:      2.090e-05 rev/day^2
Epoch rev:           35485

Satellite: RS-10/11
Catalog number: 18129
Epoch time:      90296.94697757
Element set:     361
Inclination:       82.9261 deg
RA of node:       233.3816 deg
Eccentricity:    0.0013152
Arg of perigee:   119.0245 deg
Mean anomaly:     241.2209 deg
Mean motion:   13.72118295 rev/day
Decay rate:       9.00e-08 rev/day^2
Epoch rev:           16710

Satellite: AO-13
Catalog number: 19216
Epoch time:      90285.55558503
Element set:     150
Inclination:       56.9677 deg
RA of node:       131.3556 deg
Eccentricity:    0.7041877
Arg of perigee:   237.6838 deg
Mean anomaly:      35.4920 deg
Mean motion:    2.09702865 rev/day
Decay rate:      -1.32e-06 rev/day^2
Epoch rev:            1786

Satellite: FO-20
Catalog number: 20480
Epoch time:      90296.97855528
Element set:     108
Inclination:       99.0259 deg
RA of node:       319.1034 deg
Eccentricity:    0.0541648
Arg of perigee:   116.8206 deg
Mean anomaly:     248.9305 deg
Mean motion:   12.83151877 rev/day
Decay rate:       7.70e-07 rev/day^2
Epoch rev:            3326
/EX
SB ALL @ AMSAT $ORBS-300.D
Orbital Elements 300.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS
FROM N3FKV HEWITT, TX  OCTOBER 27, 1990
```

```
TO ALL RADIO AMATEURS BT

Satellite: UO-14
Catalog number: 20437
Epoch time:      90297.2882574
Element set:     218
Inclination:       98.6913 deg
RA of node:        12.9248 deg
Eccentricity:    0.0010938
Arg of perigee:   133.4532 deg
Mean anomaly:     226.7591 deg
Mean motion:   14.28762279 rev/day
Decay rate:       6.76e-06 rev/day^2
Epoch rev:            3929

Satellite: AO-16
Catalog number: 20439
Epoch time:      90295.40866860
Element set:     118
Inclination:       98.6962 deg
RA of node:        11.2732 deg
Eccentricity:    0.0012174
Arg of perigee:   140.2587 deg
Mean anomaly:     219.9521 deg
Mean motion:   14.28860107 rev/day
Decay rate:       6.86e-06 rev/day^2
Epoch rev:            3903

Satellite: DO-17
Catalog number: 20440
Epoch time:      90295.96053991
Element set:     129
Inclination:       98.6959 deg
RA of node:        11.8428 deg
Eccentricity:    0.0012368
Arg of perigee:   138.6657 deg
Mean anomaly:     221.5478 deg
Mean motion:   14.28915980 rev/day
Decay rate:       7.70e-06 rev/day^2
Epoch rev:            3911

Satellite: WO-18
Catalog number: 20441
Epoch time:      90296.64163114
Element set:     121
Inclination:       98.6960 deg
RA of node:        12.5553 deg
Eccentricity:    0.0012965
Arg of perigee:   137.3260 deg
Mean anomaly:     222.8933 deg
Mean motion:   14.29001556 rev/day
Decay rate:       6.73e-06 rev/day^2
Epoch rev:            3921
```

```
Satellite: LO-19
Catalog number: 20442
Epoch time:      90297.11848910
Element set:     125
Inclination:       98.6941 deg
RA of node:        13.0586 deg
Eccentricity:    0.0013215
Arg of perigee:   135.5831 deg
Mean anomaly:     224.6414 deg
Mean motion:   14.29074150 rev/day
Decay rate:       7.88e-06 rev/day^2
Epoch rev:            3928
/EX
SB ALL @ AMSAT $ORBS-300.M
Orbital Elements 300.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES
FROM N3FKV HEWITT, TX  OCTOBER 27, 1990
TO ALL RADIO AMATEURS BT

Satellite: SALYUT 7
Catalog number: 13138
Epoch time:      90297.72347704
Element set:     572
Inclination:       51.6020 deg
RA of node:         2.5406 deg
Eccentricity:    0.0003101
Arg of perigee:    15.3953 deg
Mean anomaly:     344.7024 deg
Mean motion:   15.78780246 rev/day
Decay rate:     1.0689e-03 rev/day^2
Epoch rev:           48520

Satellite: MIR
Catalog number: 16609
Epoch time:      90297.65305483
Element set:      10
Inclination:       51.6123 deg
RA of node:        38.1872 deg
Eccentricity:    0.0032614
Arg of perigee:   175.8901 deg
Mean anomaly:     184.2365 deg
Mean motion:   15.58383704 rev/day
Decay rate:     4.3543e-04 rev/day^2
Epoch rev:           26832

Satellite: HUBBLE
Catalog number: 20580
Epoch time:      90296.68738553
Element set:     251
Inclination:       28.4710 deg
RA of node:       151.6472 deg
```

```
Eccentricity:    0.0005629
Arg of perigee:    21.3776 deg
Mean anomaly:     338.6900 deg
Mean motion:   14.85341477 rev/day
Decay rate:      6.109e-05 rev/day^2
Epoch rev:            2709

Satellite: BADR-1
Catalog number: 20685
Epoch time:      90297.43994154
Element set:     119
Inclination:       28.4867 deg
RA of node:       351.2165 deg
Eccentricity:    0.0332529
Arg of perigee:   142.5749 deg
Mean anomaly:     219.5537 deg
Mean motion:   15.49984571 rev/day
Decay rate:     6.2308e-03 rev/day^2
Epoch rev:            1525
/EX
SB ALL @ AMSAT $ORBS-300.W
Orbital Elements 300.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM N3FKV HEWITT, TX  OCTOBER 27, 1990
TO ALL RADIO AMATEURS BT

Satellite: NOAA-9
Catalog number: 15427
Epoch time:      90296.32277788
Element set:     632
Inclination:       99.1740 deg
RA of node:       299.1785 deg
Eccentricity:    0.0015470
Arg of perigee:    13.0825 deg
Mean anomaly:     347.0744 deg
Mean motion:   14.12708674 rev/day
Decay rate:       6.99e-06 rev/day^2
Epoch rev:           30207

Satellite: NOAA-10
Catalog number: 16969
Epoch time:      90294.56796487
Element set:     479
Inclination:       98.5870 deg
RA of node:       319.6404 deg
Eccentricity:    0.0012480
Arg of perigee:   260.8550 deg
Mean anomaly:      99.1217 deg
Mean motion:   14.23770079 rev/day
Decay rate:       6.30e-06 rev/day^2
Epoch rev:           21259
```

```
Satellite: MET-2/17
Catalog number: 18820
Epoch time:      90296.84809589
Element set:     371
Inclination:       82.5411 deg
RA of node:       248.1662 deg
Eccentricity:    0.0016292
Arg of perigee:   328.9419 deg
Mean anomaly:      31.0779 deg
Mean motion:   13.84380948 rev/day
Decay rate:       2.39e-06 rev/day^2
Epoch rev:           13798

Satellite: MET-3/2
Catalog number: 19336
Epoch time:      90296.66591068
Element set:     601
Inclination:       82.5472 deg
RA of node:       186.5334 deg
Eccentricity:    0.0017997
Arg of perigee:   355.7685 deg
Mean anomaly:       4.3307 deg
Mean motion:   13.16903213 rev/day
Decay rate:       6.70e-07 rev/day^2
Epoch rev:           10786

Satellite: NOAA-11
Catalog number: 19531
Epoch time:      90297.23345929
Element set:     359
Inclination:       98.9976 deg
RA of node:       245.7726 deg
Eccentricity:    0.0011143
Arg of perigee:   282.6704 deg
Mean anomaly:      77.3225 deg
Mean motion:   14.11767382 rev/day
Decay rate:       8.08e-06 rev/day^2
Epoch rev:           10717

Satellite: MET-2/18
Catalog number: 19851
Epoch time:      90296.56433264
Element set:     341
Inclination:       82.5149 deg
RA of node:       126.1906 deg
Eccentricity:    0.0015376
Arg of perigee:     9.2945 deg
Mean anomaly:     350.8487 deg
Mean motion:   13.84020350 rev/day
Decay rate:       1.91e-06 rev/day^2
Epoch rev:            8332

Satellite: MET-3/3
```

```
Catalog number: 20305
Epoch time:      90296.56670929
Element set:     231
Inclination:       82.5545 deg
RA of node:       127.4796 deg
Eccentricity:    0.0017260
Arg of perigee:    11.0156 deg
Mean anomaly:     349.1376 deg
Mean motion:   13.15866511 rev/day
Decay rate:       5.20e-07 rev/day^2
Epoch rev:            4783

Satellite: MET-2/19
Catalog number: 20670
Epoch time:      90296.85121379
Element set:      66
Inclination:       82.5507 deg
RA of node:       186.5395 deg
Eccentricity:    0.0014814
Arg of perigee:   290.3553 deg
Mean anomaly:      69.5985 deg
Mean motion:   13.83870228 rev/day
Decay rate:       3.22e-06 rev/day^2
Epoch rev:            1631

Satellite: FENGYUN-1/2
Catalog number: 20788
Epoch time:      90295.73666992
Element set:      34
Inclination:       98.9341 deg
RA of node:       329.3289 deg
Eccentricity:    0.0010789
Arg of perigee:   123.6816 deg
Mean anomaly:     237.1018 deg
Mean motion:   14.00532270 rev/day
Decay rate:     1.4859e-04 rev/day^2
Epoch rev:             696

Satellite: MET-2/20
Catalog number: 20826
Epoch time:      90297.05141222
Element set:      12
Inclination:       82.5261 deg
RA of node:       125.6903 deg
Eccentricity:    0.0012426
Arg of perigee:   178.0898 deg
Mean anomaly:     182.0312 deg
Mean motion:   13.83232957 rev/day
Decay rate:       1.15e-06 rev/day^2
Epoch rev:             356
/EX
```

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 2812992201310028268
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9122abd0ef6d1895
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 22:30:10 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!
wuarchive!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Hams and Public service/mods to HTs etc.
Message-ID: <4257@lib.tmc.edu>
Date: 30 Oct 90 15:28:25 GMT
References: <175.272D2C37@rochgte.FIDONET.ORG>
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 37
Posted: Tue Oct 30 16:28:25 1990
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <175.272D2C37@rochgte.FIDONET.ORG> David.Stark@f218.n260.z1.FIDONET.ORG
(David Stark) writes:
> > The second part of that is something I don't condone, but I again suspect
> > you're tarring many, many volunteers with the brush of your bad, but local,
> > experiences.
>   I don't think my area is _that_ unique. If some people are
>using illegal radios in Rochester, NY, then some other people are
>using illegal radios in Houston, TX and a lot of other places.
>   I am not "tarring" volunteers in general, just the ones with the
>Ic02ATs and such. Don't change the subject.

I'm not changing the subject. You argue that non-ham volunteers using modified
ham rigs illegally is commonplace. It may be in *your* experience, but that
does not necessarily mean that it's commonplace throughout the US. I have
never seen anyone using a modified ham rig on the public service bands in
the Houston area, and I've seen a number of the volunteer services around here
in action. Your experience doesn't generalize. Please stop acting like it does.

>   I didn't attach that appellation to myself - you did. And
>nobody else that I know about has picked it up. If a little of what
>you call "flaming" gets some discussion, and more importantly, some
>THINKING going on in hamdom, then I don't regret it.

```
Sure. Just like your half-baked proposal to give ham frequencies to public
service. You're doing ham radio a lot of good.

> > Now that you realize that your conditions
> > don't apply to the whole world, how about lightening up?
>      I believe that is what I was doing.  What do you want me to do,
>bare my throat to you?

Nope...but you could let the subject drop, and do as I do when someone else
expounds the virtues of no-code: grind your teeth in silence, and go on to
to the next message.
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu  | adequately be explained by stupidity.
         "With design like this, who needs bugs?" - Boyd Roberts


From -5065840872233278460
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2631dd02572e2d70
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 00:26:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!
ucbvax!UCBEH.SAN.UC.EDU!MORRISTA%UCMCIC
From: MORRISTA%UCMCIC@UCBEH.SAN.UC.EDU
Newsgroups: rec.ham-radio
Subject: Genderless pronoun: na
Message-ID: <EF5525CFCB20601320@UCBEH.SAN.UC.EDU>
Date: 30 Oct 90 14:50:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Tue Oct 30 15:50:00 1990

I'm surprised that in all this no one else has brought up the sometimes-
promoted genderless pronoun "na" (or else I missed it--sorry!).  This has
been advanced by some (feminist in particular?) writers as a gender-neutral
but not sexless (like "it") pronoun to indicate a person without gender
being a necessary part of the identification.  I've read a novel or two which
used "na" and it was admittedly hard to get used to, but it was at least
clear that "na" meant a person and "it" meant a thing.  Interesting.

Theodore Allan Morris                | 231 Bethesda Avenue, ML# 574
University of Cincinnati Med. Ctr.   | Cincinnati, OH  45267-0574
Med Ctr Information & Communications | 513-558-6046 W, 731-3451 H
Information Research and Development | MORRISTA@UCMCIC.OA.UC.EDU I'net
No good deed ever goes unpunished    | WB8VNV NTS, U1091 AppleLink


From 7860974465581865718
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d3f2277ee1d23e3,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1990-10-31 00:46:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!sdd.hp.com!ucsd!ucbvax!SATURN.ACC.COM!jhk
From: jhk@SATURN.ACC.COM (John H. Klingelhoeffer)
Newsgroups: rec.ham-radio
Subject: Japan's "CQ Ham Radio" Magazine (??)
Message-ID: <9010301455.AA18435@saturn.acc.com>
Date: 30 Oct 90 14:55:58 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 52
Posted: Tue Oct 30 15:55:58 1990

Subject: Japan's "CQ Ham Radio" magazine (?)

About 10 or so years ago when I was working at one of the more famous former amateur radio manufacturers in Benton Harbor, Michigan, we used to get a really good magazine from Japan called "CQ Ham Radio". This periodical was about an inch thick per month (!) and had lots of great articles (in Japanese, of course). Although I could not read the text, the schematics, part numbers, graphs and mechanical drawings (thanks to the metric system) were always plenty to get the gist of the articles and also to build the equipment described. The magazine was mainly technically oriented (or at least most of the articles on DX and other nonsense were unreadable, anyhow) and it really seemed at that time to be pushing the state of the art. It also always had the announcement of radios several months before they were available in the US.

In any case, I'm trying to find out if this magazine is still published and if it is available somehow through subscription. My understanding back then was that it was available but cost ".... a couple hundred dollars [US] a year.." to receive here in the states. Perhaps most of this was the shipping. I don't really care if it gets here by slow boat as long as the articles are interesting technically. I'd like something to replace "Ham Radio" magazine in my incoming mail, and "CQ" just doesn't do anything for me. (At least "73" didn't buy it and I don't have to read Wayne Green's drivel.)

Does anyone on the net get this or know how to get a subscription to the magazine? I'd appreciate a reply by email or phone. Thanks.

John, WB4LNM

```
+--------------------------------------------------------------------------+
|                           ** DISCLAIMER **                               |
| All of these wonderful ideas and superb comments are not necessarily     |
| the opinion of my employer, nor would I necessarily want them to be.     |
|                              So there.                                   |
+------------------------------------------+-------------------------------+
|                                          |                               |
| John H. Klingelhoeffer                   |      THIS SPACE FOR RENT      |
| Director, Government Special Operations  |                               |
| Advanced Computer Communications         +-------------------------------+
| Systems Division                         | Voice: 301-290-8100           |
| 10220 Old Columbia Road                  | Fax:   301-290-8106           |
| Columbia, Maryland  USA   21046-1725     | Radio: 224.56/147.135 WB4LNM  |
|                                          | Internet: jhk@saturn.acc.com  |
+------------------------------------------+-------------------------------+
```

From -7128456452875389800
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a216816db9fc784,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 02:14:43 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!LL.LL.MIT.EDU!JORDAN
From: JORDAN@LL.LL.MIT.EDU ("Mike Jordan G4ASQ/KC1RP")
Newsgroups: rec.ham-radio
Subject: Decoding Morse with a PC
Message-ID: <9010301643.AA02988@ucsd.edu>
Date: 30 Oct 90 16:00:43 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 52
Posted: Tue Oct 30 17:00:43 1990

> I have been trying unsuccessfully to build an interface to my PS/2 so SuperMorse can decode the CW off my radio. I first tried a tone decoder circut, with little luck. Then, following some advise I read on this net, tried using an op-amp. This too was unsuccessful. Perhaps I am a little less technical than I need to be. So, if someone has accomplished this or knows how to convert the presence of a tone to the closing of input pins on an RS232 port, I would be forever indebted! Please reply to the net, as mail will not be reaching me soon. Thanks again!!
>
> Byon Garrabrant

I have been experimenting with circuits to decode morse on my PC for some time. Let me say right off that the CW decoding part of SuperMorse is not very good. If you have anything other than perfectly spaced NOISE FREE code the output is garbage. I think it somehow interprets noise spikes as dots, and adjusts itself to a very high speed. I never got it to work with my homebrew 'TU'. I ended up writing something myself in Turbo Pascal that is a little more cautious in the way it changes speed, and it works fairly well, although again it has trouble with sloppily sent characters.

I can't send real circuits over the net, but all you need is something like:

```
SPKR     ______> GAIN X 30 _____>  precision  ________ comparator __>
SOCKET                             rect
                                                                to rs232
                                                                input
```

The other pin of the comparator should be driven from a smoothed version of the output from the rectifier, so you are comparing the current value with the average value. This makes it less sensitive to fading. It could also use some tight audio filtering at the input unless your rig has very sharp IF filters

I drive the op amps from +5 & -5 volts, and this seems enough to swing the rs232 levels, although 15 would no doubt be better.

There are any number of ways you could do this, including PLL circuits but this works for me. I even got it to decode some HF WEFAX pictures by filtering out the 'black' tone & triggering on the 'white' one. Different software of course. If you want any more details, send me mail
Hope you get something to work
73 Mike KC1RP

From -2117779402596442401
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f27237afac47f74b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 02:51:10 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!uupsi!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: Looking for references on CW decoding
Message-ID: <41516@cci632.UUCP>
Date: 30 Oct 90 16:14:56 GMT
References: <9010261259.AA18872@ucsd.edu> <1990Oct26.111655@ultnix.enet.dec.com>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 6
Posted: Tue Oct 30 17:14:56 1990

At my club, we've got a HEATH contraption which decodes CW. It's made mostly out of TTL parts. I'm not sure of the model number, it's worn off of the case, but it's got a big LED display (approx. 12 characters wide). Anybody ever seen one of these?

Chris

From 5820863381468795850
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d3f2277ee1d23e3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 02:56:29 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!agate!shelby!csli!kawai
From: kawai@csli.Stanford.EDU (goh kawai - n6uok)
Newsgroups: rec.ham-radio
Subject: Re: Japan's "CQ Ham Radio" Magazine (??)
Message-ID: <16104@csli.Stanford.EDU>
Date: 30 Oct 90 16:39:56 GMT
References: <9010301455.AA18435@saturn.acc.com>
Organization: dept of linguistics, stanford university
Lines: 60
Posted: Tue Oct 30 17:39:56 1990

John H. Klingelhoeffer (jhk@saturn.acc.com) asks whether Japan's "CQ Ham Radio" is still in press, and if so, how he could get it.

"CQ Ham Radio" is doing well. Its circulation is one of the three largest among monthly magazines in Japan. Although "CQ Ham Radio" is not the official journal of the Japan Amateur Radio League (JARL's official monthly publication is "JARL News", a puny pamphlet that is widely criticized as an ill side effect to JARL membership), "CQ Ham Radio" is "edited under guidance of JARL". In fact, CQ Publishing has their main office is in the same building as JARL's.

Unfortunately, it costs a fortune to subscribe to "CQ Ham Radio" directly from the publisher (to be precise, from an overseas periodical distribution agency which has sole rights to carry "CQ Ham Radio"), even if you use surface mail. The most convenient way is to buy it at your local Japanese bookstore. This only works if you live in a large city like New York, San Francisco, or Los Angeles. That would cost about nine or ten dollars. The second best way is to ask a friend in Japan to mail it to you. The magazine itself costs four dollars or so, and surface shipping is about two dollars. You'll save on money, but will be asking somebody a favor.

Since you seem to be interested in home brewing, I would recommend "Ham Journal", a bimonthly also published by CQ Publishing. This magazine is much more advanced. Each issue focuses on some particular technical topic, and coverage is fairly deep. This magazine is about the same size as "QST". "CQ Ham Radio" is for finding out the latest equipment. "Ham Journal" is for bulding your own radio. I'm making a modularized SSB tranceiver which appeared on "Ham Journal" several months ago.

Another less known publication that has homebrew information is "Mobile Ham". It started out as a magazine specializing in portable and mobile operations, when bulding small, stable, rugged radios was a major challenge. Nowadays, they deal with advanced homebrewing techniques. "Mobile Ham" is also a monthly, about the size of "QST".

While on the topic, let me add "Radio Life", a popular magazine slightly wider than a paperback book that defies the twilight zone between legality and thrill. This is a must for scanning fans. Lots of "secret frequencies" listings appear in each issue. This is your consumer guide to electronic surveillance. Find out what that couple is doing in the apartment across the street! Want to modify your car so it looks like an unmarked squad vehicle? We'll show you just how to do it -- no more parking tickets ever! In a country where not only third party traffic is illegal, but it is a felony punishable by two hundred thousand yen fine or two year imprisonment or both to merely disclose a frequency used by others for any particular purpose, this magazine has lots of guts. Quite interestingly, among of its avid subscribers are newspapers and TV stations -- they depend on police radio traffic to miraculously appear on the scene. And even though police radio is now digitized, zealous "undercover monitoring" fans have allegedly cracked the code, bringing in windfall profits to Japan Radio Company, the major supplier of radio equipment to public services in Japan.

Oh well, I ramble too much.

If you have any more questions, please let me know, and I'll respond.

```
-----------------
--- Goh Kawai --- speech research and technology program, sri international
----------------- arpanet: kawai@speech.sri.com     radio: n6uok and 7l1fqe
```

From -3557355073237756425
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 05:27:33 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!bacchus.pa.dec.com!news.crl.dec.com!shlump.nac.dec.com!select.enet.dec.com!magid
From: magid@select.enet.dec.com (Joel Magid...)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <16857@shlump.nac.dec.com>
Date: 31 Oct 90 13:27:33 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 73
Posted: Wed Oct 31 14:27:33 1990

Here is proposal that may actually accomadate everyone, CODE and NO-CODE

The following licensing idea came to mind after reading all of the notes in this file about the "Communicator Class" and "Incentive

Licensing"

We could actually use our current system (already in place) and accomplish much of what everyone here has said or commented on.

The goal of this proposal is two fold:

1. Entry Level --- to get more young and non-technical people into this hobby.

2. Have those already in the hobby expand their knowledge of the various aspects of this hobby.

3. Make the administration of the licensing procedure less complicated. (not sure anything the government does is not complex)

Class	Elements	Options
Novice	2	CW 5 WPM
Technician	2,3a	Pick (1) from list below
General	2,3a,3b	" " " " "
Advanced	2,3a,3b,4a	" " " " "
Extra	2,3a,3b,4a,4b	" " " " "
Communicator	2,3a	* (required)

Option List: (Aside from the code Exams these tests will be 25-30 multiple choice questions designed in the same manner as we have our tests designed today however the pool of questions should not be made public)

a. Packet
b. RTTY
c. CW 10 WPM
d. CW 15 WPM
e. CW 20 WPM
f. Microwave
g. Emergency Service / Operations
h. Net Operations / Control
i. SSTV
j. Community Service
*k. UHF/VHF Operations
l. Satellite

(The above list is not all inclusive)

All current allocations and privs remain the same.

All current licenses are grandfathered.

If the the current proposed Communicator Class is approved the 5 WPM
Code will be required for upgrade to Technician. (this assumes that
the VHF/UHF privs are different for Technician and Communicator.

The desired results here are that:

1. Everyone can get into the hobby.
2. Those with higher levels of license have a good background into more of the hobbies aspects.
3. We can maintain the same licenses structure and have it mean more to be a certain class then it does now.

From 4311656096501155842
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8206f34c9ecd1872,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 05:37:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!bu.edu!att!cbnewse!waco
From: waco@cbnewse.att.com (john.l.broughton)
Newsgroups: rec.ham-radio
Subject: Re: Which automobiles dislike radio
Message-ID: <1990Oct31.133711.12046@cbnewse.att.com>
Date: 31 Oct 90 13:37:11 GMT
Organization: AT&T Bell Laboratories
Lines: 62
Posted: Wed Oct 31 14:37:11 1990

In message <30.Oct.90.13:35:12.GMT.#2110@UK.AC.NWL.IA> PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon") writes

>My fathers Volvo 480 suffers a fuel-injection 'hiccup' whenever i key
>or de-key my 50-watt 2-meter radio. I have also set off auto alarms with
>25 watts on 440MHz.
>The local Volvo dealer was useless at helping with the problem of the
>glitchy fuel injection; he has tried to get help from the factory in
>Sweden, but there seems to be a chasm of misunderstanding between
>'the real world' and 'the factory'.
>Also i am told that some Toyota models have a nasty harmonic of the
>digital clock xtal which hits 145.4MHz.
>
>
>   Pete Lucas PJML@UK.AC.NWL.IA 0793-411613
>
>

I have had limited experience with this. My 1974 Volvo 174 once had a
problem with the fuel injection shutting off every time I keyed the mike
on my 2M rig. It turned out to be a bad control unit. The unit was

made by Robert Bosch, if I remember correctly. I had contacted the local Bosch facility and they promised to get information and get back to me; they did not. However, I replaced the unit and the problem went away. I was told that they did not have adequate RF shielding in 1974, but as of 1975 they addressed the problem. I went to an independent Volvo mechanic who diagnosed the problem and even told me to replace the unit myself rather than pay him labor to install it; he purchased it for me and he took the old unit to return.

When I had the 2M rig in our 1984 Volvo 240 there was never a problem. My 1988 Toyota Supra is loaded with electronics and computer controls. I have not yet had a problem at low power or at 45W with my Icom 27H.

I would suggest you check other Volvo dealers and any independent Volvo service facilities for advice. Remember to route the power lead and radio as far from electonic components in the car as possible, as well as the coax to the antenna. Check a service manual to see where the components are located. Also, it is claimed the best method is to hook both the positive lead and the ground directly to the battery (I believe Volvos all have a terminal block near the battery where you can connect the leads). I ran the hot lead to my battery in my Supra, but ran the ground to a chassis ground under the center console where the radio is mounted.

However, manufacturers should really have information on RFI problems and solutions. I believe I once read where GM does have information on radio installations. You might also want to contact area companies that specialize in installing commercial radios in vehicles. I am sure they would have solutions to the problem. I don't know if the FCC has any regulations covering RFI problems in cars, but you might want to contact them just to see.

Good luck,

```
73, WB9VGJ
John L. Broughton         ################################################
AT&T Bell Laboratories    # For every complex question there is a simple #
1200 E. Warrenville Rd.   # answer, and it is wrong. -- H.L. Mencken     #
Naperville, IL 60566-7045 ################################################
(708) 713-4319
john.l.broughton@att.com             I'm the NRA
att!john.l.broughton
```

From 437226531186004971
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-31 06:32:04 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!samsung!umich!sharkey!msuinfo!netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing

```
Message-ID: <146@platypus.uofs.edu>
Date: 31 Oct 90 14:32:04 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp> <534@chiton.ucsd.edu>
Organization: University of Scranton, Scranton, PA
Lines: 32
Posted: Wed Oct 31 15:32:04 1990

In article <534@chiton.ucsd.edu>, rec@chiton.ucsd.edu (Richard Currier) writes:
> In article <1990Oct30.195918.11041@portia.Stanford.EDU>
paulf@jessica.stanford.edu (Paul Flaherty) writes:
> >
> >The crime here is forcing a human being to spend time learning a skill that,
> >most likely, he or she will never really use.  From a utilitarian standpoint,
> >that's clearly immoral.
> >
> The crime here is denying a human being the opportunity to learn a skill that,
> most likely, he or she will use for life. From a utilitarian standpoint,
> that's clearly immoral.
>

This is the crux of the whole debate right here in two statements.

How is NOT REQUIRING CW the same as DENYING THE OPPORTUNITY TO LEARN CW??

The No-Code people are advocating it's elimination from the test, not the
banning of CW.  The Pro-Code people equate non-testing with forbiding it's
use.
If anyone wants to learn it, fine, but I still haven't seen any LOGICAL
reason for making everyone do it.

bill   KB3YV
(      ^^^^^  see, I passed the CW test and I still don't think everyone
              else should be forced to.)




--

     Bill Gunshannon          |        If this statement wasn't here,
     bill@platypus.uofs.edu   |  This space would be left intentionally blank


From -3927644199487947694
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,87bb50aebc386f6a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 08:22:37 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!
hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: Anyone used Mini-Circuits MAR-x amps?
Message-ID: <1250259@hpnmdla.HP.COM>
```

Date: 29 Oct 90 16:22:37 GMT
References: <248@nachos.SSESCO.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 15
Posted: Mon Oct 29 17:22:37 1990

Jon Bloom asks:

> Glenn, is that the only MAR-x that's "just like" an Avantek part? If not,
> is there such a thing as a MSA-to-MAR cross reference?

Well, the catalogs which are handy seem woefully out of date but...

A very cursory look makes me think that MAR-1 thru MAR-8 are
MiniCircuits numbers for MSA-01 thru MSA-08 all with the Avantek
85 package which MiniCircuits calls a VV-105 package.

I really *must* get some newer catalogs though...

Glenn n6gn

From -7901072924386220850
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2db213fba606f24
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 08:34:33 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!cica!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: ARRL, Lobbying, NRA, etc...
Message-ID: <270.272C794D@w8grt.fidonet.org>
Date: 29 Oct 90 16:34:33 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 32
Posted: Mon Oct 29 17:34:33 1990

> From: ritchie@hpdmd48.boi.hp.com (David Ritchie)
> Date: 26 Oct 90 21:57:23 GMT
> Organization: Hewlett Packard - Boise, ID
> Message-ID: <530029@hpdmd48.boi.hp.com>
> Newsgroups: rec.ham-radio
>
> >Tad cook asked how the NRA gets away with lobbying, when the ARRL can't.
> >Simple. NRA member funds are not used for lobbying. All lobbying monies
> >come from the NRA Political Action Fund, contributions to which are *not*
> >tax exempt. How many hams do you think would contribute to a non-tax-exempt
> >ARRL lobbying fund?
> >
> >   --mike ke8yy.....and NRA.

> > medelma@cms.cc.wayne.edu
> > medelma@waynest1
>
> Actually, Tad didn't. I did. Now I know that the NRA has a seperate lobbying organization.

I think you'll find that ARRL is a lot goosier about losing their tax status and is probably playing it safe. Let's face it, if they had to start paying income taxes on the publishing empire, they'd be in real deep trouble.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From -8165622891398718368
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3328cb8f55165106
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 08:38:03 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters
Message-ID: <1488@ke4zv.UUCP>
Date: 29 Oct 90 16:38:03 GMT
References: <LURU.90Oct27221929@stekt.oulu.fi>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 76
Posted: Mon Oct 29 17:38:03 1990

In article <LURU.90Oct27221929@stekt.oulu.fi> luru@stekt.oulu.fi (Ari Husa OH8NUP) writes:
>I am not all that familiar with the repeater system (frequency allocations, ownership, etc.) in the U. S.
>
>I am especially puzzled with the concept of "open" and "closed" repeaters and how the latter fits in the picture of amateur radio. Can someone please clarify this terminology for me?

There are two types of amateur repeaters in use in the USA.

1. Open. An open system welcomes all users. It may use technical access controls, but the access information is widely and freely available to everyone. New users are actively welcomed to the system.

2. Closed. A closed system welcomes only a specific group of users. It may use technical access controls and attempt to keep access information restricted to the group. Or it may not use technical access controls, relying instead on group pressure to discourage non-members from using the system.

>As far as I understand it, there are a multitude of "private"
>repeaters. What's the point in having a dozen repeaters in a
>questionable QTH (and limited range) in comparison to ONE good
>repeater in a high (broadcast) tower or similar? Or ARE they actually
>all that good?

Most repeaters of both types are located on good sites. Some of the very best repeaters, in a technical sense, are closed machines while some of the very worst are nominally open. There are machines of excellent quality of both types in this area. Access to excellent sites is often as easy for an individual as it is for a club. Very few repeaters operate from the home of an individual. Many excellent sites are available to amateurs either free or for a nominal rental. There are two amateur systems operating from the broadcast tower where I work. They are both supplied free sites as a courtesy to the amateurs.

>What would you say is an average working range of a typical repeater
>in Ohio, or any other place with flat terrain?

Average working distance varies wildly depending upon siting, technical sophistication, terrain, and co-channel interference. In the rough terrain of North Georgia, the working range of a given machine may vary between 15 and 120 miles depending on the direction of the user from the machine. In flat terrain the working distance varies between 50 and 120 miles, depending mainly on site height and co-channel interference.

>In here, ALL repeaters are club-owned and completely unrestricted for
>any user. There are currently seven (7) allocated repeater channels on
>2 meters (145.600 - 145.775, 25 MHz raster) and they seem to be
>enough.
>
>Am I missing something here?

Many machines here are club owned. Club owned machines may be either closed or open. Many other machines are owned and supported strictly by an individual. These individually owned machines may be either open or closed. In the US we have many more repeater frequencies than you do. Most of the popular channels are full in the Metro areas. Most of them are vacant in rural areas. Our bandplans are different depending on the part of the country you are in. Some use an upright 20khz spacing, others use upright 30khz spacing, and in the most populated areas, a upright/inverted 15khz system is used. On two meters, repeaters are allowed between 144.5-145.5, 146.0-147.0, and 147.0-148.0. In general the 600khz split pair is contained in one subband, however, there

are machines that straddle 147.0 in some areas. In addition there
are odd machines that use a split other than 600khz in some areas.
I guess you could say that a bigger country, bigger subbands, more
mobile amateurs, and perhaps more troublesome amateurs leads to a
completely different set of solutions than the solutions that work
in your country. Not that our solutions always work, as postings on
this group indicate!

Gary KE4ZV

From -4152171320178941760
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3e1bec6306300a02,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 08:48:24 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: why there is a cw test
Message-ID: <7120142@hpcupt1.cup.hp.com>
Date: 29 Oct 90 16:48:24 GMT
References: <38845@ut-emx.uucp>
Organization: Hewlett Packard, Cupertino
Lines: 15
Posted: Mon Oct 29 17:48:24 1990

Yes, it makes sense. But unfortunately we are dealing with an emotional
issue, which of course removes any logic from the discussion. Most of
the arguments against can be re-phased as 'I had to so everyone else will.'
Another variation is 'It keeps out the rif-raf.', but of course 14.313 and
14.145 is somewhat hard to defend in this argument. Most arguments for are
generally sound.
Personally, I don't see the problem with a VHF/UHF unlimited license without
code. It won't make a bit of difference to my HF operation, I doubt it
will affect my DXcluster operation, but it might make getting into the BBS a
little more difficult. On the positive side maybe I will find someone
to talk to on VHF SSB that does not require a huge weak signal antenna.
Another positive point is that I might find a reason to invest int TCP/IP.

73's
Jim,WA6SDM

From 3238732759111059165
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a37d30a0f86c9e4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 11:30:49 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio

Subject: Re: extra callsigns
Keywords: calls
Message-ID: <4319@altos86.Altos.COM>
Date: 29 Oct 90 19:30:49 GMT
References: <1990Oct26.223332.25810@ux1.cso.uiuc.edu>
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 14
Posted: Mon Oct 29 20:30:49 1990

In article <1990Oct26.223332.25810@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN) writes:

>What we need is for the FCC to start recycling unassigned calls.

Hey, that would be neat. I could apply for W6AM--instant recognition in DX pileups :-)

```
--
Jerry Gardner, NJ6A                        Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos!jerry   2641 Orchard Parkway
Internet: jerry@altos.com                  San Jose, CA  95134
Guns don't kill people, bullets do.                 (408) 432-6200
```

From -3095028210863133391
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,519415d8db5999b1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 12:14:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!crackers!m2c!umvlsi!umaecs!scott
From: scott@ecs.umass.edu
Newsgroups: rec.ham-radio
Subject: IMHO
Message-ID: <11192.272c8db5@ecs.umass.edu>
Date: 29 Oct 90 20:14:44 GMT
Lines: 2
Posted: Mon Oct 29 21:14:44 1990

What does IMHO mean? Is this an "in-group" acronym - or am I ignorant of some well known English abbreviation?

From -7288985772427152887
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd7b25a1d8e9ccfd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 12:19:19 PST
Path: gmdzi!unido!mcsun!uunet!dg!dg-rtp.dg.com!lewine
From: lewine@dg-rtp.dg.com (Donald Lewine)

Newsgroups: rec.ham-radio
Subject: Here are QSL routes for CQ WW
Message-ID: <1090@dg.dg.com>
Date: 29 Oct 90 20:19:19 GMT
Sender: root@dg.dg.com
Reply-To: uunet!dg!lewine
Organization: Data General Corporation
Lines: 24
Posted: Mon Oct 29 21:19:19 1990
Followup-To:

Here are some QSL routes for some stations on
from this weekend's CQ WW DX contest.

6I2A via XE2AQ
YM??? via HA0NNN [Sorry, I did not write down the full call
on the slip of paper I brought in to work.]
ZF2JI via KG6AR
XW1L via W3HUP
IQ4A via I4VEQ
FJ9A via FJ5AB

If others could post QSL routes that they copied, it would reduce the
number of requests on the net. If I don't see the ones I need in the
next few weeks, I will post a request.

P.S. Don't you hate it when DX'ers refuse to give out QSL routes on
the air and just call QRZ?

Donald A. Lewine (508) 870-9008 Voice
Data General Corporation (508) 366-0750 FAX
4400 Computer Drive. MS D112A
Westboro, MA 01580 U.S.A.

uucp: uunet!dg!lewine Internet: lewine@cheshirecat.webo.dg.com

---

From -893764318329121320
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3e1bec6306300a02
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 14:09:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Derek Wills)
Newsgroups: rec.ham-radio
Subject: why there is a cw test
Keywords: does this help?
Message-ID: <38845@ut-emx.uucp>
Date: 29 Oct 90 04:35:38 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 47
Posted: Mon Oct 29 05:35:38 1990

I must not be the only person getting tired of all the postings about cw, so let me add one more :-)

Lessee. If you want a license to transmit on the HF bands, you will find that there are two major and about equally popular ways in which such transmissions are made. One is by voice (which took us all several years to learn when we were small) and the other is by cw (which can be learnt at the basic level in a much shorter time). Nobody is so set in their ways that they know for sure that they are never going to use one or other of these modes. That is why everyone who wants an HF transmitting license should have some basic familiarity with both modes. Thus, there are questions on the exams about international phonetics - whether or not you think you will ever use voice. There is also a test of very slow speed morse code, whether or not you think you will ever use cw. Once you have demonstrated the basic skills you can get on the amateur bands and use either or both of these modes. If you want to make contacts with overseas stations, you will find that about half of them are using one of these modes and half are using the other (at any one time). Knowing the basics of the morse code, you are in a good position to start communicating with others using this mode, just as knowing the international phonetics helps when you first go on the air using voice.

OK. If you want to go on VHF, where people generally work with much stronger signals and the majority use voice to communicate (it is undeniably faster when signals are strong), there is no particular reason to learn the mode that is less common, and that is why we will probably have a VHF license that does not require one to demonstrate ability to decode even the slowest speed morse code.

If you know for sure that you are want to get on the HF bands and only ever talk with people across town who are nice and loud, then you might just as well use the telephone - it's more private and it's free.

Of course cw is not for everyone. Nor is voice. Nor is being able to calculate time constants of various combinations of resistors and capacitors nor many of the other things we are tested on in order to have a transmitting license.

If, once you are on the air, you decide you don't want to use morse code, then don't use it. If you decide that voice operation takes up too much frequency and the consequent crowding of the band is not to your liking, don't use voice.

Does any of this make sense?

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From -2673719533681911318
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1581402fe3633379,start
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 114aac,1581402fe3633379,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-29 14:17:18 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!korppi.tut.fi!rko
From: rko@korppi.tut.fi (Risto Kotalampi)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Akademisk Radioklubb, Trondheim
Message-ID: <1990Oct29.124307.22739@funet.fi>
Date: 29 Oct 90 12:43:07 GMT
Sender: news@funet.fi (#News)
Reply-To: rko@korppi.tut.fi (Risto Kotalampi)
Organization: Tampere University of Technology, Finland
Lines: 7
Xref: gmdzi rec.ham-radio:16216 rec.radio.shortwave:2545
Posted: Mon Oct 29 13:43:07 1990

Does anyone know any e-mail connection to somebody at Akademisk
Radioklubb in Trondheim (LA1K)? If so, please inform me if you have
any clue.

```
# Risto Kotalampi, rko@tut.fi       #  DXing is not a hobby,  #

# Signal Processing Laboratory      #  it's a way of life!    #
# Tampere University of Technology  #                         #
```

From 2624807324642608913
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,78f5ebfd78b6bb79,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 14:35:39 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: RE: Radio Privacy
Message-ID: <273.272CEB67@w8grt.fidonet.org>
Date: 29 Oct 90 22:35:39 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 23
Posted: Mon Oct 29 23:35:39 1990

> From: roman@oakhill.UUCP (Roman Robles)
> Date: 29 Oct 90 14:47:16 GMT
> Organization: Motorola Inc. Austin, Tx
> Message-ID: <4104@jethro.oakhill.UUCP>
> Newsgroups: rec.ham-radio
>
> can I get royalties on the first bumper stickers that say:
>
>   when receivers are outlawed...

```
 >    only outlaws will have receivers.

I have a better one. "Now that the Cold War is over, who do we blame our
paranoia on?"

--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"


From 4951204552917747008
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8545d3eff0750a1a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 14:37:15 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!eng.ukm.MY!9m2dx
From: 9m2dx@eng.ukm.MY (Dr. Ahmad Faizal Mohd. Zain)
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9010290642.AA01272@vlsi.eng.ukm.MY>
Date: 29 Oct 90 08:08:52 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1
Posted: Mon Oct 29 09:08:52 1990
X-Unparsable-Date: Mon, 29 Oct 90 14:42:54 WST

subscribe


From -5609390569732148124
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,307163d4b1fbcf80,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 14:45:19 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: HTs
Message-ID: <1990Oct29.224519.25248@ux1.cso.uiuc.edu>
Date: 29 Oct 90 22:45:19 GMT
References: <memo.514620@lynx.northeastern.edu>
Organization: University of Illinois at Urbana
Lines: 31
Posted: Mon Oct 29 23:45:19 1990

sehrlich@lynx.northeastern.edu writes:
```

>   I have finally decided on which HT I want to TRY to buy. It's
>the Yaesu FT-470.   I've been told it retails for around $400, but can
>sometimes be purchased for under $400. Problem is, I've only got about
>$200 (plus or minus $50) to spend. Anyone know how I can get one for
>that price? I will accept a used one from someone provided I can get a
>written guarantee from that person that the unit is in perfect working
>order AND that if something does go wrong with the unit, that I will be
>able to send it back to the person and get a full refund.

If the 470 is that good a radio, it will keep its value. The only reason
someone would be letting go at that price is if the radio is broken, or
just totally ruined (e.g. scratched all to h*** and painted pink).

>Any suggestions or offers out there?

Get an IC-2AT use for the time being. You can get almost everything you
put into buying a used one back when you sell it (if you don't break it
or paint it pink). These radios seem to be fairly stable in value even
with use. Alternatively, the Yaesu FT-727 seems to be going for quite a
low price. The battery packs are NOT compatible between 727 and 470.

>Thanks for any help you can offer.

That's the best I can do, short of suggesting that you rob a bank, and if
I did that I'd probably get flamed that it was a violation of some rule
somewhere :-)
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 8900995013631322594
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dbfd8cd3b9f0f39c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 14:45:21 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1866@n8emr.UUCP>
Date: 29 Oct 90 22:45:21 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 18
Posted: Mon Oct 29 23:45:21 1990

From n8emr!W8PH Mon Oct 29 14:34:27 1990
Return-Path: <n8emr!W8PH>
Message-Id: <m0iTea6-0000QgC@n8emr.uucp>
[Date: Mon, 29 Oct 90 13:52 EST
[To: <ALL@ARRL>

R:901029/1825z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:11276 Z:43232
R:901029/1710 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:46708 Z:43103
R:901029/1535 @:WB8ICL.OH.USA.NA Yellow Springs #:59445 Z:45387

SPECIAL BULLETIN 10 ARLX010
FROM ARRL HEADQUARTERS
NEWINGTON CT OCTOBER 29, 1990
TO ALL RADIO AMATEURS

THE FRESH PROPAGATION FORECAST BULLETIN THAT WOULD NORMALLY RUN AT THIS TIME MAY BE UP TO 24 HOURS LATER THAN USUAL THIS WEEK, DUE TO THE AUTHORS HECTIC SCHEDULE OF LATE. PLEASE STAY TUNED. AR

From 7877715087254931217
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e29cc86f8844e29d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 15:23:51 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!julius.cs.uiuc.edu!wuarchive!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: RSGB financial traumas..
Message-ID: <7120143@hpcupt1.cup.hp.com>
Date: 29 Oct 90 23:23:51 GMT
References: <29.Oct.90.17:57:20.GMT.#1823@UK.AC.NWL.IA>
Organization: Hewlett Packard, Cupertino
Lines: 5
Posted: Tue Oct 30 00:23:51 1990

Pete,
By all means hand out ARRL membership forms, we can use the money!
We just had a dues increase and the ARRL is having money problems too.
Good Luck
Jim, WA6SDM

From -3442413268603577185
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd04e740304845aa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 15:50:34 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: Paragons of patience
Message-ID: <532@chiton.ucsd.edu>
Date: 29 Oct 90 23:50:34 GMT
References: <9010182213.AA18387@tilde> <7880331@hpfcdc.HP.COM>

<1990Oct26.195711.10308@mozart.amd.com>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 27
Posted: Tue Oct 30 00:50:34 1990

In article <1990Oct26.195711.10308@mozart.amd.com> brian@positron.AMD.COM (Brian McMinn) writes:
>
>If CW is really so neat and fun and worthy, then getcher VFO into the
>novice sub-bands, turn off your Kilowatt (still illegal in all novice
>sub-bands except 10m, no?), crank your keyer down into the "barely
>endurable" 5wpm range and answer the slowest, most slimy, most
>despicable, most awkward CQ you can find.

Name a time and place Brian, I'll be there. Ca to Tex 40M around 0400Z
looks good.

I don't run power, I don't do windows and on 40M I run a random wire 85 feet
long up 8' max. Thats why I run CW. On SSB I can't get arrested, but on CW I
can work anybody I can hear until my fingers fall off. I use a keyer and
Bencher paddles and am used to giving novice tests at 5 WPM. I used a computer
to generate code speeds from 5 to 35 WPM and learned how to match my own
speed and spacing with lots of practice. If you like it perfect, I'll use the
computer and keyboard but that's bad for learning as it's too perfect. It's also
sterile and un-human. CU QSY 7.125.

AA6PN.

--
richard currier   marine physical lab   u.c. san diego
{decvax|ucbvax}   !ucsd!mplvax!rec
rec@mpl.ucsd.edu

From -5084133244077390560
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b0c73fa0a538956,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 16:15:40 PST
Path: gmdzi!unido!mcsun!uunet!umich!cs.utexas.edu!wuarchive!sdd.hp.com!ucsd!ucbvax!LL.LL.MIT.EDU!JORDAN
From: JORDAN@LL.LL.MIT.EDU ("Mike Jordan G4ASQ/KC1RP")
Newsgroups: rec.ham-radio
Subject: IC-745
Message-ID: <9010291342.AA21093@ucsd.edu>
Date: 29 Oct 90 13:42:41 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11
Posted: Mon Oct 29 14:42:41 1990

I would like to get in touch with anyone using an Icom IC-745,
especially if you:
a) have a service manual, or
b) have successfully changed the backup battery.

I would like to change mine BEFORE it dies, and the rig gets
total amnesia...

Any other hints & kinks would also be appreciated

Mike Jordan KC1RP (JORDAN at LL.LL.MIT.EDU)

From -2243570955753829786
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4fddbe0d1e4f804
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 16:17:46 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!mips!decwrl!public!rah
From: rah@public.BTR.COM (Richard A Hyde rah@btr.com)
Newsgroups: rec.ham-radio
Subject: Re: Code & other requirements
Message-ID: <834@public.BTR.COM>
Date: 29 Oct 90 03:58:37 GMT
References: <174.272B8106@rochgte.FIDONET.ORG>
Organization: BTR Public Access UNIX, MtnView CA, Contact: cs@btr.com 415-966-1429
Lines: 27
Posted: Mon Oct 29 04:58:37 1990

In article <174.272B8106@rochgte.FIDONET.ORG> David.Stark@f218.n260.z1.FIDONET.ORG
(David Stark) writes:
|
| I agree with you there. In fact, I would like to ask whether
|any VEs are giving the code exam with multiple-choice questions. It
|seems to me that such a method would partially defeat the purpose of
|the test. The fill-in-the-blank questions that I had to answer when
|taking tests from the FCC examiners are a better check of accurate
|copy.

When I took my code test two months ago (and STILL no certificate!), the
VEs DID use a multiple choice test for those who failed to copy one
solid minute.   In fact, the pre-test instructions included hints like:
"listen for key phrases such as "My name is..." We were then supposed to
listen very hard for the next letter. If the next letter was, say, M
and the multiple choices for the senders name were Martha, Jim, Sam, and
Tracy.... well, you can see how it goes....

I learned the code and enjoyed it but doubt I'll use it in practice. I
think the point here is that if your VEs are no-coders, you can fulfill the
letter of the law with very little effort.

Rick

```
--
------------------------------------------------------------------------------
|   Richard Hyde  |  RaH@btr.com  |    This space intentionally left blank   |
------------------------------------------------------------------------------
```

From 5531189702958170654
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4fddbe0d1e4f804
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 16:23:10 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!caesar
From: perley@caesar (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: Code & other requirements
Message-ID: <13194@crdgw1.crd.ge.com>
Date: 29 Oct 90 14:47:51 GMT
References: <174.272B8106@rochgte.FIDONET.ORG> <834@public.BTR.COM>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@caesar (Donald P Perley)
Organization: Replace me with your organization
Lines: 36
Posted: Mon Oct 29 15:47:51 1990
In-reply-to: rah@public.BTR.COM (Richard A Hyde rah@btr.com)

In article <834@public.BTR.COM>, rah@public (Richard A Hyde rah@btr.com) writes:
>In article <174.272B8106@rochgte.FIDONET.ORG>
David.Stark@f218.n260.z1.FIDONET.ORG (David Stark) writes:
>| I agree with you there. In fact, I would like to ask whether
>|any VEs are giving the code exam with multiple-choice questions. It
>|seems to me that such a method would partially defeat the purpose of
>|the test. The fill-in-the-blank questions that I had to answer when
>|taking tests from the FCC examiners are a better check of accurate
>|copy.
>
>When I took my code test two months ago (and STILL no certificate!), the
>VEs DID use a multiple choice test for those who failed to copy one
>solid minute.   In fact, the pre-test instructions included hints like:
>"listen for key phrases such as "My name is..." We were then supposed to
>listen very hard for the next letter. If the next letter was, say, M
>and the multiple choices for the senders name were Martha, Jim, Sam, and
>Tracy.... well, you can see how it goes....

That is sure different from the test I took last summer. The instructions were emphatic that your fill-in-the-blank answer had to be exactly as sent, or be marked wrong. As an example, if the senders QTH was sent as "paramus, nj" and you wrote "paramus, new jersey", or "paramus, n.j." it would be marked wrong.

In addition, the test leaned towards questions that you couldn't answer from context if you had missed a key character, like "how high was the sender's tower?" (something like 179 feet) or some third parties call sign that was mentioned.

Multiple choice sounds like a piece of cake in comparison. Just out of curiosity, which VEC was it? What other big differences in procedure are there between VEC's besides the code test?

-don perley - ke2tp

perley@trub.crd.ge.com

```
From 8972755118954145210
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,307163d4b1fbcf80
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 16:27:14 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!
lynx.northeastern.edu!sehrlich
From: sehrlich@lynx.northeastern.edu
Newsgroups: rec.ham-radio
Subject: HTs
Message-ID: <memo.514620@lynx.northeastern.edu>
Date: 29 Oct 90 15:15:03 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Mon Oct 29 16:15:03 1990
```

I have finally decided on which HT I want to TRY to buy. It's the Yaesu FT-470.   I've been told it retails for around $400, but can sometimes be purchased for under $400. Problem is, I've only got about $200 (plus or minus $50) to spend. Anyone know how I can get one for that price? I will accept a used one from someone provided I can get a written guarantee from that person that the unit is in perfect working order AND that if something does go wrong with the unit, that I will be able to send it back to the person and get a full refund.

Any suggestions or offers out there?

Thanks for any help you can offer.

Scott

```
From -1753139052637401154
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,40fe92cece3a3d14
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 16:27:53 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rice!uw-beaver!sumax!quick!amc-gw!
pilchuck!ssc!markz
```

From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: Need Weather Satellite info
Message-ID: <456@ssc.UUCP>
Date: 29 Oct 90 05:55:28 GMT
References: <9009300430.AA29795@ucsd.edu> <paul.4734@wa1omm.UUCP>
<6958@gaboon.UUCP>
Organization: SSC, Inc., Seattle, WA
Lines: 15
Posted: Mon Oct 29 06:55:28 1990

The ARRL has just published the fourth edition of
Ralph E. Taggarts "Weather Satellite Handbook"

It has sections on
Building antennas
Commercial Receivers
A microprocessor based scan convertor
Contrast enhancement and picture processing
Tracking
and a section of advertising in the back.

$20 ISBN 0-87259-319-3

markz@ssc.uucp

From -1391705935316589420
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1a674000188cc7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 16:35:25 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!uakari.primate.wisc.edu!
crdgw1!caesar
From: perley@caesar (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: Radio privacy - the future
Message-ID: <13193@crdgw1.crd.ge.com>
Date: 29 Oct 90 14:18:57 GMT
References: <8797@cpoint.clearpoint.com> <1990Oct28.214323.18717@ux1.cso.uiuc.edu>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@trub.crd.ge.com (Donald P Perley)
Organization: G.E. R&D Center
Lines: 25
Posted: Mon Oct 29 15:18:57 1990
In-reply-to: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)

In article <1990Oct28.214323.18717@ux1.cso.uiuc.edu>, phil@ux1 (Phil Howard
KA9WGN) writes:
>die@cpoint (David I. Emery) writes:

>

>>   1. Almost everything of much general interest will be encrypted
>>securely enough so that only stupid key management will render it vulnerable.
>
>This is likely to be the case and is what SHOULD happen.

This is appropriate for private communications.

For government, public agency etc communications, maybe not.

We have the Freedom of Information Act, lots of restrictions on what can be discussed at "closed door" meetings of city councils, and declassification of things that don't really have to be secret.

If government communications is done on a "need to encrypt" basis, there should still be a lot of interesting stuff out there.

On the ham bands of course, we have only a limited opportunity for legal encrypted communication.

-don perley - ke2tp
perley@trub.crd.ge.com

From -8162777636270663296
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b8d65304786fd97f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 16:35:38 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!elroy.jpl.nasa.gov!ames!uhccux!uhunix1.uhcc.Hawaii.Edu!johns
From: johns@uhunix1.uhcc.Hawaii.Edu (John P. Shalamskas)
Newsgroups: rec.ham-radio
Subject: Re: certificates and gender
Keywords: hello folks, youse guys
Message-ID: <10078@uhccux.uhcc.Hawaii.Edu>
Date: 30 Oct 90 00:35:38 GMT
References: <38867@ut-emx.uucp>
Sender: news@uhccux.uhcc.Hawaii.Edu
Organization: University of Hawaii
Lines: 6
Posted: Tue Oct 30 01:35:38 1990

I think the original post came from the Midwest, specifically the University of Illinois at Champaign-Urbana. Since a large portion of the students there are from Chicago or its suburbs, the term "guys" is the most natural choice, youse guys.... 8-)

John "Al sent me" Shalamskas 8-)

From 9096186166275351252
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9122abd0ef6d1895

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 16:56:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: Hams and Public service/mods to HTs etc.
Message-ID: <175.272D2C37@rochgte.FIDONET.ORG>
Date: 30 Oct 90 00:56:33 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 61
Posted: Tue Oct 30 01:56:33 1990

> > Not a majority of all hams, but many who have the capability do indeed use it when _they_ think it's OK. Emergency or not. On the flipside, there are a great many non-hams with modified ham equipment in regular, daily use on non-ham frequencies.
>
> I contend that your "many" in thr first sentence is really a tiny minority.
> Please don't tar us all with that brush, as you have been wont to do.

Quit living in the past, Jay. I think the statement was clear enough in being limited to a select few hams.

> The second part of that is something I don't condone, but I again suspect you're tarring many, many volunteers with the brush of your bad, but local, experiences.

I don't think my area is _that_ unique. If some people are using illegal radios in Rochester, NY, then some other people are using illegal radios in Houston, TX and a lot of other places.
I am not "tarring" volunteers in general, just the ones with the Ic02ATs and such. Don't change the subject.

> > On this we agree. As a group, ham operators are more sensible than that. But there are those who behave exactly as described above. I just don't believe in encouraging them, or sitting by idly while they try to persuade the more sensible that they can justify it.
>
> So, instead, you establish a reputation for yourself as the famous flaming FidoNet newbie? Seems a bit counterproductive.

I didn't attach that appellation to myself - you did. And nobody else that I know about has picked it up. If a little of what you call "flaming" gets some discussion, and more importantly, some THINKING going on in hamdom, then I don't regret it.

> Then why do you toast people in other areas based on your

> (admittedly bad) local experiences??

See above. Statistically, it would be naive to think that I am the only one who has seen this type of behavior.

> >   I don't want a big fight to start over this. These are local
> >conditions and I don't apply them to the situation in general.
>
> Yes, you do...you did in the message that started this war, and
> you did in
> your replies to me. Now that you realize that your conditions
> don't apply to the whole world, how about lightening up?

I believe that is what I was doing. What do you want me to do, bare my throat to you?

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From -81189262632483765
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c17eb9f7a861b074
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 17:03:09 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: Certificates
Message-ID: <46108@apple.Apple.COM>
Date: 30 Oct 90 01:03:09 GMT
References: <16668@shlump.nac.dec.com> <45989@apple.Apple.COM> <4313@altos86.Altos.COM>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 20
Posted: Tue Oct 30 02:03:09 1990

In article <4313@altos86.Altos.COM> jerry@altos86.UUCP (Jerry Gardner) writes:
>Speaking of certificates, what is the simplest station/antenna setup
>that you netters have used to earn them? I've heard that one guy
>claims to have worked WAS with a soldering iron as an antenna. Another
>has worked WAS with 2 microwatts. Can anyone beat these?

I certainly didn't make it *that* tough on myself, but for you net newcomers out there, I'll briefly mention that all my awards were earned by running 100 watts into an aluminum porch awning. (Yes, including the DXCC. I'd worked 133 countries by the time I retired the awntenna a few months ago.)

Patty

```
--
****************************************************************************
Patty Winter N6BIS                        INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                     UUCP: {decwrl,nsc,sun}!apple!winter
****************************************************************************
```

From -6935523856106797490
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,22eec78e0ad32af1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 17:07:10 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!mips!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!lll-winken!sun-barr!newstop!sun!exodus!wellworld!endelman
From: endelman@wellworld.Sun.COM (Aaron Endelman)
Newsgroups: rec.ham-radio
Subject: ICOM IC-24AT extended frequency coverage
Message-ID: <1807@exodus.Eng.Sun.COM>
Date: 30 Oct 90 01:07:10 GMT
Sender: news@exodus.Eng.Sun.COM
Organization: Sun Microsystems, Mt. View, Ca.
Lines: 526
Posted: Tue Oct 30 02:07:10 1990

Here's a collection of reposts for all those who want to know how to program their IC-24AT to extend its frequency range, and its performance outside of the normal bands. Thanks to all concerned for their contributions.

```
******************************************************************************
******************************************************************************
*                    ICOM IC24AT keyboard command summary                   *
*                            Copyright (c) 1990                             *
*                              KC1IY and NM1D                               *
*                               Revision 1.1                                *
*      Distribution allowed if this notice is included in its entirety      *
******************************************************************************
******************************************************************************
```

This is an attempt to document all of the known key sequences for the ICOM IC24AT (144/440MHz dual band hand held). Some key sequences may be common with the IC[2,3,4]SAT, therefore a few key sequences for those radios are also on this list. Some key sequences require options (such as the PL encode/decode board).

This is not designed to replace the owners manual, but to summarize the information in one place.

Note: Many controls vary depending on the current mode, i.e.: Scan up/down will search frequencies when in VFO mode, and will scan memory channels when in Memory mode. Consult the owners guide for complete information.

```
KEY/COMBINATION = Result, action
----------------  --------------------------------------------------------------
0-9,A,B,C,D,#,* = note: when transmitting these will generate DTMF tones
0-9             = Enter frequency (can also use the VFO knob)
A               = VFO mode / clear incomplete entry
B               = Memory mode
C               = VHF / UHF change
D               = Call channel
*               = Step frequency down/scan down
#               = Step frequency up/scan up
MONI            = Open squelch and change to input frequency (if not simplex)
                   while button is depressed
H/L/DTMF        = Select High/Low power, or (while transmitting) send
                   preprogrammed DTMF codes

FUNC + 0        = Dial set
FUNC + 1        = PL enable (when option is installed)
FUNC + 2        = Code squelch [NOT for the IC24AT, IC[2,3,4]SAT option only]
FUNC + 3        = Skip memory
FUNC + 4        = Duplex operation
FUNC + 5        = Code [NOT for the IC24AT, IC[2,3,4]SAT option only]
FUNC + 6        = Mask frequency
FUNC + 7        = Priority mode on/off (operation dependent on current mode)
FUNC + 8        = Set mode (several different functions, press A to exit)
FUNC + 9        = Real time clock and timer functions (press PTT to exit)
FUNC + A        = Memory to VFO transfer
FUNC + B        = Memory Write
FUNC + C        = Split operation (cross band full duplex)
FUNC + D        = Lock mode / Cross Band Repeat disable
FUNC + *        = Scan programmed limits (down)
FUNC + #        = Scan programmed limits (up)
FUNC + 5 + D    = Cross Band Repeat enable (split mode must be on!)
                   Diode D14 (right diode on CPU board) must be removed to
                   enable the use of this function)
FUNC + MONI     = RX/TX light enable / disable
FUNC + H/L/DTMF = Select DTMF Autodialer memory
Func + VFO knob   = Change frequency/memory channel
                   (according to dial set, see FUNC+0)
Func + LIGHT  = Lock light on (don't time out)

H/L/DTMF + VFO knob = Change output power (4 power levels when using 13.8 vdc)
```

The following key combinations selects "power on modes". Start with the radio OFF, then hold down the indicated keys, and continue to hold them while turning the power ON. Some 'modes' override others.

```
LIGHT + *      = PTT enable
LIGHT + 0      = PTT Disabled (inhibits the transmitter, good security method)
LIGHT + 1      = 1 MHz digit set (4 digit frequency entry)
LIGHT + 2      = 10 MHz digit set (5 digit frequency entry)
LIGHT + 3      = 100 MHz digit set (6 digit frequency entry)
LIGHT + 4      = Scan pause until signal disappears
LIGHT + 5      = Scan pause for 10 seconds
LIGHT + 7      = Power Save deactivated (use this for packet operation)
LIGHT + 8      = Power Save (minimum - 0.125 / 0.5 second)
LIGHT + 9      = Power Save (maximum - 0.125 / 2.0 seconds)
LIGHT + B + #  = RX Extended Range enable
                  This requires that diode D13 is removed (left diode on
                  CPU board).  Note that this diode has already been removed
                  by ICOM at the factory on many units.  Be sure to hold
                  these keys down until the activity display stops and is
                  showing a receive frequency.

FUNC + A       = Reset the CPU (this will clear all the memory channels).
```

Thanks to James Dugal, N5KNX, for the following information:

Return-Path: <jpd@pc.usl.edu>
Date: Mon, 22 Oct 90 21:12:35 -0500
From: jpd@pc.usl.edu (Dugal James P.)
To: endelman@wellworld.Sun.COM
Subject: Re: IC-24AT extended frequency coverage?
Newsgroups: rec.ham-radio
In-Reply-To: <1588@exodus.Eng.Sun.COM>
Organization: Univ. of Southwestern La., Lafayette

Here's some info I collected from rec.ham-radio; you'll note the evolution of the modifications!

Article 2316 of rec.ham-radio:
Path: rouge!rex!samsung!cs.utexas.edu!asuvax!hrc!valley!pfluegerm
From: pfluegerm@valley.UUCP (Mike Pflueger)
Newsgroups: rec.ham-radio
Subject: Re: NEW ICOM IC-24 MOD !
Keywords: Wide band Rx
Message-ID: <487bd97a.15840@valley.UUCP>
Date: 6 Feb 90 15:58:54 GMT
References: <1457@raybed2.UUCP>
Organization: AG Communication Systems
Lines: 130

In article <1457@raybed2.UUCP>, ewb@raybed2.UUCP (EUGENE BALINSKI) writes:

```
>
>
>
> NOTE: All mods done at your OWN RISK !!
>
> -------------------------------------------------------------------------------
>
```

> Here's a useful mod for the Icom IC-24AT, the new mini dualbander.
>
> 1. Remove D13 on the main board. *
>
> 2. Reset the CPU.
>
> Voila! The frequency range of the handie-talkie is now
> 75-195 MHz, 200-490 MHz, and 740-960 MHz.
>
> * NOTE: This may void the warrantee. Make sure you treat the radio as if
> it were CMOS, ie NO STATIC CHARGES.
>
> DE: WA1OMM/KB1MZ

Has anyone actually tried this, and did it work? What is your serial number?

I bought my 24AT last weekend and it's great. I recommend replacing the antenna with one from a 32AT - several S-units better on 2 meter receive. It doesn't do crossband repeater as-is, but there may be mods for this. It does do crossband full duplex. I'm used to Kenwood products, so the labeling and key sequences seem a little convoluted, but I'm rapidly adapting. As-is, XMT/RCV 140-150, 440-450, and RCV only 138-174. Almost everything with the radio is programmable, separately if it is unique to a band (duplex offset, band scan limits, freq step, etc.). A full-featured micro dual-bander.

I received the following mods for 24AT out-of-band from a very reliable source (although they don't specify RX only or RX/TX), for 75-195 MHz, 200-490 MHz, and 740-960 MHz. Rumor has it (unconfirmed) that the unit even switches to AM in the air band!

1. Remove diode D8 [see figure below]

2. Attach diode D7 [I believe this is already equipped]

3. Attach diode D12

4. Remove diode D13

5. Simultaneously hold "LIGHT", "B", and "#" keys and turn the power on. Release all keys after the display goes out (checks all LCD segments). [This is supposed to enable the out-of-band frequencies above]

6. Simultaneously hold "LIGHT" and "2" keys and turn the power on. This enables the 10 MHz frequency digit entry.

7. Simultaneously hold "LIGHT" and "3" keys and turn the power on. This enables the 100 MHz frequency digit entry.

```
                  __________________
                 |                  |
              |                |
              |                |
              |      CPU       |
              |                |
              |                |
              |                |
              |________________|



                                  o     o  o      D7 lower left pin is
                                [D7]    [D8]         anode of one diode,
                                o  o      o          lower right is cathode
                                                     of the other.  Top pin
                                        o  o         is common
                                        [D12]
                                          o       D12 upper pins are cath-
                                                      odes of diodes, lower
                                                      is common anode.

                            __I_     __I_             See text
                            |  |     |  |
                       D13  |__|     |  | D?
                            |/\|     |  |
                            |  |     |  |
                            |__|     |__|
                              I        I
```

WARNING: I have NOT tried the hardware mods and cannot vouch for them, so proceed at your own risk!

I am told that the newer 24AT's (believed not to have made it to the US yet) will have the hardware mods in place, so only steps 5-7 will be necessary. So, try this first. Steps 5-7 don't seem to have any effect on a 24AT without the correct hardware mods. BTW, this has been attempted on 2 units with serial numbers around 1000 and mid-1100's, neither of which worked. :-(Like I said, the ones with the mods aren't here yet.

There are 5 screws to remove the case (5th is on the strap hook). Keep the top panel controls with the front of the radio, and be VERY careful pulling the back off because there are fine ribbon cables connecting the front & back. I don't think they'll take much flexing.

Additionally, diodes D7, D8, and D12 are surface mount components. They contain 2 diodes connected to 3 pins. Diodes D7 and D12 are different configurations. I believe D8 and D12 are different, so I wouldn't put the removed D8 in the spot for D12. Since they are surface mount, removal of D8 may not be all that difficult for those with steady hands and a fine low power soldering iron, but adding D12 would be a bear. I know of no reason that small discrete diodes couldn't be used in for D12. D13 is a small but standard axial diode, and can be easily cut.

It is for this reason I have not attempted the hardware mods. Now, if the referenced posting is correct, and only D13 needs to be cut... I'm guessing, but it could be that the rest of the diode changes are for the 10 MHz & 100 MHz digit entry (which I'd like but could live without) or out-of-band TX, or the like.

If anyone has tried only cutting D13 and resetting? Did it work? What is your serial number? Please post to the net!

If I learn more, I'll follow up.

--
Mike Pflueger @ AG Communication Systems (formerly GTE Comm. Sys.), Phoenix, AZ
  UUCP: {...!ames!ncar!noao!asuvax | uunet!hrc | att}!gtephx!pfluegerm
  Work: 602-582-7049   FAX: 602-581-4850
Packet: WD8KPZ @ W1FJI   Internet: PLEASE USE UUCP PATH (NOT INTERNET)!

Article 2325 of rec.ham-radio:
Path: rouge!rex!samsung!sol.ctr.columbia.edu!cica!iuvax!purdue!bu.edu!bu-cs!husc6!genrad!decvax!dtseng!rps
From: rps@dtseng.UUCP (Robert P. Scott)
Newsgroups: rec.ham-radio
Subject: Re: NEW ICOM IC-24 MOD !
Message-ID: <7247@dtseng.UUCP>
Date: 6 Feb 90 16:27:43 GMT
References: <1457@raybed2.UUCP> <30500376@ux1.cso.uiuc.edu>
Organization: DTS Engineering, Hudson, NH
Lines: 15

In article <30500376@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:

> What is the TRANSMIT range when the mods are done to the IC-24AT?

Transmit range doesn't appear to be affected unfortunately. I was at least hoping for 420-450 coverage. BTW, I tried each amateur band from 6m to 23cm. The PLL doesn't lock up at either end. Another negative is the frequency step on 220 doesn't allow one to hit each possible repeater slot.

All in all, not too bad. Now if I can get the cross-band repeater function...

--
Robert P. Scott | DTS Engineering, Inc. | {decvax,zinn}!dtseng!rps
Nothing could be finer than some green wallet liner....

Article 2333 of rec.ham-radio:
Path: rouge!rex!uflorida!uakari.primate.wisc.edu!samsung!cg-atla!raybed2!ewb
From: ewb@raybed2.UUCP (EUGENE BALINSKI)
Newsgroups: rec.ham-radio
Subject: Re: NEW ICOM IC-24 MOD !
Summary: MORE TO COME

Message-ID: <1460@raybed2.UUCP>
Date: 6 Feb 90 14:17:18 GMT
References: <1457@raybed2.UUCP> <30500376@ux1.cso.uiuc.edu>
Organization: Raytheon Co., Bedford, Mass.
Lines: 9

The mods posted for the IC-24 enable the wide receive only (as far as I know). However, the good news is that there are more mods on the way such as direct entry of MHz when out of band. BTW the out-of-band sensitivity is very good (blew the doors off a BC-200xlt), except near the ends of the range.

73
Gene WA1UXA

Article 2431 of rec.ham-radio:
Path: rouge!rex!ames!pacbell!att!cbnewsd!larrys
From: larrys@cbnewsd.ATT.COM (lawrence.j.schroeder)
Newsgroups: rec.ham-radio
Subject: Re: NEW ICOM IC-24 MOD !
Message-ID: <13120@cbnewsd.ATT.COM>
Date: 9 Feb 90 15:28:28 GMT
References: <7247@dtseng.UUCP>
Reply-To: larrys@cbnewsd.ATT.COM (lawrence.j.schroeder,iw,)
Organization: AT&T Bell Laboratories
Lines: 105

Per the posted information and current discussion on the modification of the **new** ICOM 24AT dual band HT:

The Modification for freq. coverage extension:

1) Remove Diode D13

2) Keyboard [B,#,LIGHT] & Power-ON

Does work... FOR RECEIVE-ONLY!

The process is relatively simple; considering that most of the entire radio is surface-mount parts... It turms out that Diode D13 is one of two "normal" sized diodes on the LOGIC BOARD easily accessed and cut when the radio is opened...

(Two "standard" diodes are found below the logic IC1 by about a 1/3inch, with IC1 at the top, looking at the diodes D13 is the one on the left.)

Result: Recieve results (rough-info for about 6 hours of use after mod)

VHF: PLL begins to lock in at about 75mhz ... and goes out of lock at about 280mhz
(display will go 0mkhz to 355mkhz)

UHF: PLL begins to lock in at about 355mhz and goes out of lock at about 500 mhz...
PLL begins to lock in at about 795mhz and goes out of lock at about 975 mhz...
(display will go 355mhz to 1310mhz)

Actual use/operation:

Aircraft: (108-136) seems to detect AM ok...
within 2 miles of Ohare Intl(ORD)
recieve of ground 121.--- moderate
receive of ATIS 134.--- good
recieve of tower and approach moderate
seems that high-end of band receives better.
"looks like for a pilot who desires to monitor ops at the port prior to run-up or whatever should work fine)

2m HAM: As shipped.
VHF HighBand (150-176): seems pretty hot- unit is shipped rec'ing this stuff
220 mhz: VERY Dead receive at these freq.
hears only very-local transmitters
**ALSO above 200mhz step rate is no smaller than 12.5khz
!!SO NOT ALL channels can be tuned on freq- (UUCH!)
70cm (420-450): Fine
UHF (450-476): Hot reciever! - best ham mod'd receive better than IC32AT mod rec...
470+ mhz works well- chicago has allocations of Public service and business in 470-476
...and 24at works well
800mhz (convential/trunking):
Ah..it hears the band- perhaps about the same as most scanners- Not as hot as above bands- BUT actual fairly useable!
870-890 (cellular):
Yes, but channel step rate is 12.5khz and cellular is on 30khz, so can not be on exactly every channel.

900mhz:
Did not check out much here...
did hear a few chicago
trunking systems at the
935 trunking band---
*also a lot of cellular images
present.

Bottom Line---
ICOM 24AT is a NEAT VHF/UHF/800mhz reciever and 2m/70cm HAM radio in ONE.

The modification (D13 cut) provides a manner to receive extended band coverage, without worrying about accidental transmission in other services; [however I would like to see 420-440 xmit at least as I have repeater link/control in that part of the HAM BAND; also 220 mhz freq&xmit would be real neat; as well as 900mhz xmit which a few repeaters do exist in the area]

((((one only wonders what the next generation of HTs will do???))))

Larry Schroeder   --   AT&T Bell Laboratories -- Naperville, IL
KA9KDC   708-979-1020

Article 2457 of rec.ham-radio:
Path: rouge!rex!samsung!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!mephisto!mcnc!decvax!dtseng!rps
From: rps@dtseng.UUCP (Robert P. Scott)
Newsgroups: rec.ham-radio
Subject: Re: NEW ICOM IC-24 MOD !
Summary: D13 Removal Mod for IC-24AT does work.
Keywords: Wide band Rx
Message-ID: <7248@dtseng.UUCP>
Date: 11 Feb 90 19:03:52 GMT
References: <1457@raybed2.UUCP> <487bd97a.15840@valley.UUCP>
Organization: DTS Engineering, Hudson, NH
Lines: 9

I removed the D13 diode from my IC-24AT, serial number 1025, and it does enable extended receive ranges. Those below the aircraft band, however, do not actually receive the displayed frequency.

If the more extensive mod works better, someone please post results.

--
Robert P. Scott | DTS Engineering, Inc. | {decvax,zinn}!dtseng!rps
Nothing could be finer than some green wallet liner....

Article 9035 of rec.ham-radio:
Path: rouge!rex!samsung!uunet!wang!tegra!vail
From: vail@tegra.COM (Johnathan Vail)
Newsgroups: rec.ham-radio
Subject: Re: IC-24 Expanded Transmit Range
Message-ID: <1346@atlas.tegra.COM>
Date: 5 Sep 90 15:05:58 GMT
References: <4247@qip.UUCP>
Organization: Tegra-Varityper, Inc., Billerica, MA
Lines: 73
In-reply-to: john@qip.UUCP's message of 28 Aug 90 16:15:06 GMT

This is from the icom "translated fax".

Usable ranges after the mods will be:

RX: 114-130, 138-192, 403-485 & 825-903
TX: 138-168, & 410-485

In reality I have seen a great variance between different radios on where they actually lock up but I have been impressed at the capabilities of this radio

I assume you already have done the kbd mod for the out of band recieve so I will skip that part.

Order the diodes from Icom, part number 912-06015. They are about $2.50 each. A lot for a diode but not for a mod. These are tiny tiny surface mount dual diodes. They have three legs each and I forgot to see if they were common anode or cathode. Be safe and order the right ones from Icom.

Open up the radio. Clip out the glass diodes D13 and D14. D13 should already be out to enable the rx mod but D14 will enable cross band repeat. Func-C,5,D will activate the cross band repeat between two *simplex* channels.

Install the two diodes at position D7 and D12. The picture below may help find them.

I used the hottest and tiniest tipped iron I could find, tweezers and magnifying glass. Be extremely careful adding these diodes as I have seen how easy it is to lift an etch.

```
------------------------------------
|                                  |
|                                  |
|     +-------+                    |
|     | CPU  |                     | D5,6 Enable USA operation
|     |      |                     | D12  Enable UHF TX expansion
|     +------+                     |  D7  Enable VHF TX expansion
|                                  | D13  Disable expanded RX
|               D5 V  V D6         | D14  Disable crossband Rpt
|               D7 X  " D8         |
|              D11 "  V D12        |
|                                  |
|                                  |
|                  |  |            |
|              D13 O  O D14        |
|                  |  |            |
|                                  |
|                                  |
|                                  |
|                                  |
|    Mic               . .         |
|     _               .     .        |
|    (_=           .  Bat  .       |
|                   .     .        |
|                      . .         |
|                                  |
|                                  |
|__________________________________|
```

Aaron Endelman KK6QH   endelman@eng.sun.com
Symbolic Programming Environment Group
M/S 12-40, Sun Microsystems, Inc., 2550 Garcia Ave., Mtn. View, CA   94043

From 6228542258425671975
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4fddbe0d1e4f804
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 17:07:47 PST
Path: gmdzi!unido!mcsun!uunet!fernwood!apple!sun-barr!olivea!samsung!cs.utexas.edu!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: Code & other requirements
Message-ID: <176.272D2C39@rochgte.FIDONET.ORG>
Date: 30 Oct 90 01:07:47 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 23
Posted: Tue Oct 30 02:07:47 1990

> "listen for key phrases such as "My name is..." We were then supposed to
> listen very hard for the next letter. If the next letter was, say, M
> and the multiple choices for the senders name were Martha, Jim, Sam, and

> Tracy.... well, you can see how it goes....

Sounds like an invalid test method to me. Doesn't make much difference, I guess. People will find a way to do what they want regardless...

BTW, this is not a shot at you personally. You went to the effort to learn and, I will presume, took the test in good faith. If the VE didn't bother trying to actually test the desired skill, I guess that is more his problem than yours. Besides, if _you_ want to use code as part of your amateur hobby, you will end up learning it far better by actual use than by studying for a test. Have fun!

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From 7998676787551925056
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3e1bec6306300a02
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 17:15:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: why there is a cw test
Message-ID: <177.272D2C3B@rochgte.FIDONET.ORG>
Date: 30 Oct 90 01:15:51 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 53
Posted: Tue Oct 30 02:15:51 1990

> Lessee. If you want a license to transmit on the HF bands, you will find
> that there are two major and about equally popular ways in which

Plus TOR, FEC, Baudot RTTY, ARQ-Moore, packet, facsimile, SSTV and others even more exotic.

> Knowing the basics of the morse code, you are in a good position to start
> communicating with others using this mode, just as knowing the international
> phonetics helps when you first go on the air using voice.

Forgetting for a moment our statutory obligations and treaty terms, you are just as prepared to start communicating with hams all over the world using any of the above modes with _no_ knowledge of

Morse code. So?

How about a test on the above "exotic" modes? One should at least be able to interpret the acronyms and give a basic description of the differences. But should it be a requirement for licensing? Depends on what you think the purpose is of the exam, I guess.

I'm agreeing with you, by the way. May not exactly be easy to tell...

> If you know for sure that you are want to get on the HF bands and only ever talk with people across town who are nice and loud, then you might just as well use the telephone - it's more private and it's free.

<chuckle> Good point.

> Of course cw is not for everyone. Nor is voice. Nor is being able to calculate time constants of various combinations of resistors and capacitors nor many of the other things we are tested on in order to have a transmitting license.

That is the beginning of the sensible approach.

> If, once you are on the air, you decide you don't want to use morse code, then don't use it. If you decide that voice operation takes up too much frequency and the consequent crowding of the band is not to your liking, don't use voice.

More sensibleness. Are you sure you want to say this here? ;-)

> Does any of this make sense?

Yup. Doesn't mean people are going to agree with it, though. ;-)

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From 4384711613915531509
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d37ed42e96cad0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 18:03:28 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!emory!gatech!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: VVV
Message-ID: <178.272D2C3C@rochgte.FIDONET.ORG>

```
Date: 30 Oct 90 02:03:28 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 22
Posted: Tue Oct 30 03:03:28 1990


 >  >       Half right.  The RTTY calibration signal was (is) RYRY because
 >  > of the way the mechanical teleprinters operated.
 >
 > Well,partly. It is the bit arrangement of Murray-Baudot code. Sending
 > "RYRYRYRY" causes the transmitter to spend very nearly equal amounts of time
 > on MARK and SPACE. This made it possible to measure "average"
 > magnet current.

      Fancy meeting you here.  ;-)

      The explanation that I remember also included the fact that
sending RYRY caused all of the mechanical parts that caused printing
to be moved, verifying that they all worked and weren't broken.



--
*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*


From -7750706404512629375
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed5bb56e4039ae0b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 18:51:45 PST
Path: gmdzi!unido!mcsun!uunet!brunix!doorknob!pgh
From: pgh@cs.brown.edu (Paul Howard)
Newsgroups: rec.ham-radio
Subject: Re: The Dube dude
Message-ID: <PGH.90Oct29111755@pompeii.cs.brown.edu>
Date: 29 Oct 90 16:17:55 GMT
References: <38680@ut-emx.uucp> <1990Oct25.094613@ultnix.enet.dec.com>
     <1990Oct26.124215.3104@mozart.amd.com> <2757@naucse.cse.nau.edu>
Sender: news@brunix.UUCP
Organization: Department of Computer Science, Brown University
Lines: 10
Posted: Mon Oct 29 17:17:55 1990
In-reply-to: rrw@naucse.cse.nau.edu's message of 28 Oct 90 03:33:46 GMT

"You folks..." isn't that bad.  Kinda folksy.

--
```

=======================================

Paul G. Howard pgh@cs.brown.edu
Brown University (401) 863-7672
Box 1910
Providence RI 02912

From 7710514477879034774
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc9d6f82c9028c70,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 19:13:47 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!
ROSEVC.Rose-Hulman.EDU!DERRY
From: DERRY@ROSEVC.Rose-Hulman.EDU
Newsgroups: rec.ham-radio
Subject: Regency info
Message-ID: <115D49FA63FF002958@ROSEVC.Rose-Hulman.Edu>
Date: 29 Oct 90 17:33:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Mon Oct 29 18:33:00 1990

Mark,

I can send you,if you still need them, the instruction manual for
the HR-2B and/or the service manual for the HR-2A.

73..

Jack (K9CUN)
Rose-Tech Radio Club, W9NAA
Rose-Hulman Institute of Technology
5500 Wabash Avenue
Terre Haute, Indiana, 47803

My e-mail address derry@rosevc.rose-hulman.edu

Glad to help
October 23, 1990, 1:10 PM. (First time)
October 29, 1990, 12:28 PM. (This time)

[Sorry, folks. Lost Mark's e-mail address]

From 6183726526948889039
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b8d65304786fd97f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 19:48:02 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!oo7

From: oo7@ut-emx.uucp (Derek Wills)
Newsgroups: rec.ham-radio
Subject: certificates and gender
Keywords: hello folks
Message-ID: <38867@ut-emx.uucp>
Date: 29 Oct 90 18:40:22 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 25
Posted: Mon Oct 29 19:40:22 1990

pgh@cs.brown.edu (Paul Howard) suggests:

>>"You folks..." isn't that bad. Kinda folksy.

Yes, I use that sometimes to a class of mixed undergrads. I think it's also OK to use "guys" for mixed company, but opinions differ. I can say "you guys" to my two nieces without their thinking it's funny (they're Canajuns if that makes any difference).

However, to return to the original topic, I can't see it working for the WAZ or other certificates: "said folk is hereby permitted to use the letters WAZ on correspondence originating from this folk's station".
I dunno, somehow it just doesn't sound right :-)

I wrote to the current manager of the CQ Mag awards to suggest rewording the certificates. I just know that you'll all spend sleepless nights until I can report the reply, but I will do so, assuming there is one.

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From 7463994302848540338
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a37d30a0f86c9e4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 20:07:34 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (=Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: extra callsigns
Keywords: calls
Message-ID: <108@thoreau.nsc.com>
Date: 29 Oct 90 16:46:25 GMT
References: <1990Oct26.223332.25810@ux1.cso.uiuc.edu>
Organization: National Semiconductor, S. Portland, Maine
Lines: 13

Posted: Mon Oct 29 17:46:25 1990

Is that all the savings?

you	them
$0.83	$0.81

(Based on actual call comparisons using any old long distance company you want vs any one they want. Note, these services may not be available in all calling areas or to any other foreign or domestic locations.)

Ron, K3FR

From -2934813475695105510
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f27237afac47f74b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 20:38:52 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!s3!ireq.hydro.qc.ca!houlejm
From: houlejm@ireq.hydro.qc.ca (Jean-Marie Houle)
Newsgroups: rec.ham-radio
Subject: Re: Looking for references on CW decoding
Message-ID: <3643@s3.ireq.hydro.qc.ca>
Date: 29 Oct 90 21:33:59 GMT
References: <9010261259.AA18872@ucsd.edu>
Sender: root@s3.ireq.hydro.qc.ca
Organization: Institut de recherche d'Hydro-Quebec
Lines: 24
Posted: Mon Oct 29 22:33:59 1990

In article <9010261259.AA18872@ucsd.edu> daniel@SICKKIDS.TORONTO.EDU (Daniel Guerin) writes:

> I am interested in building a morse code decoder for a Macintosh.
> So I am looking for the following:
> - schematic for a low cost A/D converter which could send the samples
>   in serial form for capture via the Macintosh serial port
> - reference to articles on algorithms for morse decoding; I am looking for
>   something that could automatically adapt to varying speed etc...

I could suggest using the sound input on the new Macs or an equivalent (Mac recorder from Farallon) for the older macs, Then digitally process the signal to get the code out of it and then decode the morse.

Personnally I would demodulate the audio externally and feed the resulting digital signal to one of the handshake lines of the serial port and do only the morse decoding in the mac.

I know nothing on algorithms for morse decoding but would like to have a look at that.

Jean-Marie Houle   houlejm@ireq.hydro.qc.ca
Institut de recherche d'Hydro-Quebec   Tel (514) 652-8083
1800 Mtee Ste Julie   Fax (514) 652-8435
Varennes, Quebec
Canada, J3X 1S1

```
From 8034877462505810565
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e29cc86f8844e29d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 20:39:43 PST
Path: gmdzi!unido!mcsun!uunet!know!sdd.hp.com!ucsd!ucbvax!ibma.nerc-
wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House,
Swindon")
Newsgroups: rec.ham-radio
Subject: RSGB financial traumas..
Message-ID: <29.Oct.90.17:57:20.GMT.#1823@UK.AC.NWL.IA>
Date: 29 Oct 90 17:52:20 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 23
Posted: Mon Oct 29 18:52:20 1990
```

There have been many recent discussions here in the UK about the financial
status of the RSGB. The current RSGB management has shown its ineptitude
by failing to submit accounts for two of its trading subsidiaries (which have
as a result been removed from the register of companies).
The Annual General Meeting of the RSGB takes place next month; the RSGB
council are likely to face hostile questioning from those attending; the
hall for the meeting is limited to some 200 attendees however.
(Cynics may say that, since the RSGB council will have a large number of
proxy-votes at their disposal, the limit of 200 attendees will make it possible
for council to proxy-vote through any unpopular decisions...)
At previous AGMs, there have been prohibitions on the use of portable tape
recorders to record proceedings; the 'official' RSGB transcripts of
the meetings have shown a number of what can at best be called 'creative
inaccuracies', and at worst, 'Lies'.
The really worrying thing is that the RSGB are the license-holders for all
UK repeaters. If RSGB as a body ceases to exist as a result of financial
pressures, I wonder who will take over the license-holding on repeaters?
I will be going to the AGM as an 'interested observer'; i wonder if maybe
I should hand out ARRL membership-forms as a way to show my disapproval
of the present style of RSGB 'Management' ??
More news next month...

Pete Lucas G6WBJ@GB7SDN.GBR.EU PJML@UK.AC.NWL.IA 0793-411613

```
From -5926346398722268885
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e29cc86f8844e29d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 21:06:14 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: RSGB financial traumas..
Message-ID: <4253@lib.tmc.edu>
Date: 29 Oct 90 19:26:20 GMT
References: <29.Oct.90.17:57:20.GMT.#1823@UK.AC.NWL.IA>
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 11
Posted: Mon Oct 29 20:26:20 1990
Nntp-Posting-Host: thesis1.hsch.utexas.edu

Even the worst of the ARRL-bashers on this group (and they include some of the worst anywhere) would have to concede that the League's not in this bad condition...perceived lack of accountability (though I, for one, don't want to have to vote every time they need to hire someone!), perceived aloofness, and a perceived HF bias don't come close to financial mismanagement and fraud.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
"With design like this, who needs bugs?" - Boyd Roberts

From -8110952629921306605
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,307163d4b1fbcf80
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 21:22:09 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!midway!quads.uchicago.edu!jill
From: jill@quads.uchicago.edu (jill holly hansen)
Newsgroups: rec.ham-radio
Subject: Re: HTs
Message-ID: <1990Oct29.195046.28261@midway.uchicago.edu>
Date: 29 Oct 90 19:50:46 GMT
References: <memo.514620@lynx.northeastern.edu>
Sender: news@midway.uchicago.edu (News Administrator)
Organization: Home for the incurables
Lines: 29
Posted: Mon Oct 29 20:50:46 1990

In article <memo.514620@lynx.northeastern.edu> sehrlich@lynx.northeastern.edu writes:
:
:   I have finally decided on which HT I want to TRY to buy. It's
: the Yaesu FT-470.   I've been told it retails for around $400, but can

```
: sometimes be purchased for under $400.  Problem is, I've only got about
: $200 (plus or minus $50) to spend.  Anyone know how I can get one for
: that price? I will accept a used one from someone provided I can get a
: written guarantee from that person that the unit is in perfect working
: order AND that if something does go wrong with the unit, that I will be
: able to send it back to the person and get a full refund.
:
: Any suggestions or offers out there?
:
: Thanks for any help you can offer.
:
:
: Scott


I would like to buy a new BMW, but I don't have the $xx,000s they cost.  I
have $1,000. I will accept a used BMW from someone provided I can get
a written guarantee from that person that the BMW is in perfect
working order AND that if something ever does go wrong with BMW, that
I will be able to send it back to the person and get a full refund.

--
========================================================================
     Jill Holly Hansen         | Can you imagine what this world be like
jill@midway.uchicago.edu       | if God's operating system were Unix?


From -5952182667689188847
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b0c73fa0a538956
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 22:08:13 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!crdgw1!ethiopia
From: mallick@ethiopia (john a mallick)
Newsgroups: rec.ham-radio
Subject: Re: IC-745
Message-ID: <13210@crdgw1.crd.ge.com>
Date: 29 Oct 90 21:45:03 GMT
References: <9010291342.AA21093@ucsd.edu>
Sender: news@crdgw1.crd.ge.com
Reply-To: mallick@ethiopia (john a mallick)
Organization: GE Corp. R&D, Schenectady, NY
Lines: 24
Posted: Mon Oct 29 22:45:03 1990
In-reply-to: JORDAN@LL.LL.MIT.EDU ("Mike Jordan  G4ASQ/KC1RP")

In article <9010291342.AA21093@ucsd.edu>, JORDAN@LL ("Mike Jordan  G4ASQ/KC1RP")
writes:
>I would like to get in touch with anyone using an Icom IC-745,
>especially if you:
>a) have a service manual, or
>b) have successfully changed the backup battery.
```

>
>I would like to change mine BEFORE it dies, and the rig gets
>total amnesia...
>
>Any other hints & kinks would also be appreciated
>
>Mike Jordan KC1RP (JORDAN at LL.LL.MIT.EDU)

I have an ICOM 745, _and_ the service manual. Curiously, the service
manual says nothing about replacing the battery backup; in fact, it
doesn't even give more than a black-box description of the memory
module. I have a replacement battery, but haven't yet figured out get
the new battery in w/o losing everything. Supposedly one uses a DC
power supply to hold things while unsoldering/soldering the battery,
but no clues in the manual.

Any netters out there who know any more?

John Mallick WA1HNL (mallick@crd.ge.com)

From -5968656753168651508
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,381694e58da58ac6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 22:12:51 PST
Path: gmdzi!unido!mcsun!uunet!ncrlnk!ncrstp!npdiss1!chuck
From: chuck@npdiss1.StPaul.NCR.COM (Chuck Rissmeyer)
Newsgroups: rec.ham-radio
Subject: IC745?
Message-ID: <685@npdiss1.StPaul.NCR.COM>
Date: 30 Oct 90 06:12:51 GMT
Reply-To: chuck@npdiss1.StPaul.NCR.COM (Chuck Rissmeyer)
Organization: StPaul
Lines: 8
Posted: Tue Oct 30 07:12:51 1990

I'm looking for the mod for the Icom IC-745.
Would appreciate any info.

I have the mod for the Yaesu 757HT if anybody wants it.

Email only, please.

Thanks,

From 1306124905738998986
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4028b889d8738e2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 22:25:29 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!

larry!sde
From: sde@larry.sal.wisc.edu (Scott Ellington)
Newsgroups: rec.ham-radio
Subject: CQWW SSB
Keywords: contest
Message-ID: <1156@larry.sal.wisc.edu>
Date: 29 Oct 90 21:54:56 GMT
Organization: Space Astronomy Lab, Madison WI
Lines: 9
Posted: Mon Oct 29 22:54:56 1990

Were conditions fantastic, or what? People are going to be talking about last weekend for a very long time. The last two sunspot peaks weren't anything like this one. Surely the last comparable one was 1957, but that was before even a lot of us old farts had our licenses.

There must be some new record scores. Has anyone heard any? (Like P40V?)

K9MA

From 7455005152080317714
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,87eb3dd38488653d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 22:33:47 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!usc!orion.oac.uci.edu!eaiu063
From: eaiu063@orion.oac.uci.edu (Byon Garrabrant)
Newsgroups: rec.ham-radio
Subject: Computer interface for SuperMorse CW decoding
Message-ID: <272CA7BB.12879@orion.oac.uci.edu>
Date: 29 Oct 90 22:05:46 GMT
Organization: University of California, Irvine
Lines: 13
Posted: Mon Oct 29 23:05:46 1990

- --------

I have been trying unsuccessfully to build an interface to my PS/2 so SuperMorse can decode the CW off my radio. I first tried a tone decoder circut, with little luck. Then, following some advise I read on this net, tried using an op-amp. This too was unsuccessful. Perhaps I am a little less technical than I need to be. So, if someone has accomplished this or knows how to convert the presence of a tone to the closing of input pins on an RS232 port, I would be forever indebted! Please reply to the net, as mail will not be reaching me soon. Thanks again!!

Byon Garrabrant
(No call sign yet, the techs in the mail)
U C Irvine Computer Dept.

From 8669651830694932096
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8545d3eff0750a1a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 00:14:07 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9010292221.AA28380@tilde>
Date: 29 Oct 90 22:21:18 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 48
Posted: Mon Oct 29 23:21:18 1990

In <brian@positron.amd.com (Brian McMinn)> Brian says:

Subject: Paragons of patience

(stuff deleted)

>If CW is really so neat and fun and worthy, then getcher VFO into the
>novice sub-bands, turn off your Kilowatt (still illegal in all novice
>sub-bands except 10m, no?), crank your keyer down into the "barely
>endurable" 5wpm range and answer the slowest, most slimy, most
>despicable, most awkward CQ you can find. Is he in the same state?
>Hey! That's great! That means he won't have any trouble picking your
>signal out of the noise! Does he send "RST 603"? Even better! Now
>you KNOW your talking to a real beginner! :-)
>
>Thanks to those of you who actually do this once in a while. Running
>into one of you sure changed my view of CW. (Yes, I still consider it
>archaic, but I now allow for the possibility of it being fun too.)
>
>--
>   Brian McMinn   brian.mcminn@amd.com
>   Advanced Micro Devices   N5PSS
>   Austin, Texas   1-(512)-462-5389
>"You can't leap a chasm in two jumps."

Have we QSO'd, Brian? I frequently am on the Novice sub-bands, ready to
welcome all the newcomer bI hear. I get a thrill out of being the "first"
or "second", etc QSO for the new Ham, and I hope that I'mnot causing any
undue stress by "pushing" just a little faster than he/she's sending.
I take my 100 (or less) watts and straight key down to whatever speed
is necessary if I hear a QRS.

Occasionally, I will get one of the hot-rods who sends at 10 or 12 WPM, even though he/she can't copy near that fast. By the time I find out what the situation is, there's too much QRM for he/she/(it?) to copy.

Not too long ago, I talked briefly with someone at about 3WPM.

But I agree that not enough of us will do this. Sometimes it seems as if the Novice portion is full of 20WPM.

Are you sure we haven't QSO'd? I'm gonna check my log when I get home.
Your call sure sounds familiar.

73,   Dube Todd   N5PDK

From -2365214782946941671
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2397d1b2fa717b3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 01:54:13 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!computing-and-management-sciences.sheffield-city-poly.ac.uk
From: root@computing-and-management-sciences.sheffield-city-poly.ac.uk (System Administrator)
Newsgroups: rec.ham-radio
Subject: RSGB
Message-ID: <3943.9010300954@swallow.cms.scp.ac.uk>
Date: 30 Oct 90 09:54:13 GMT
Sender: brian@ucsd.Edu
Lines: 170
Posted: Tue Oct 30 10:54:13 1990

Hello to all info-hams readers.
This is a small selection of information
on the state of the Radio Society of Great Britain gleaned from packet radio in the UK. The Society has undergone a massive reversal in its affairs and begs the question "is the Radio Society of Great Britain about to go bankrupt?" The Latest figure as of 30th June 1990 is that the loss is 126,000 pounds this equates to about 250,000 dollars. Whilst this amount might seem small when view against the ARRL, it equates to about one third of the total assets.

I would be intrested in the view of other amateurs outside of the UK, as I feel that urgent advice is needed to stop the slide in the affairs of the RSGB. All comments are welcome constructive or otherwise.

  Mick G8VHB @ GB7WRG.gbr.eu   ip 44.131.2.50 root@cms.scp.ac.uk

------------------- Item 1 --

Msg# 29178 Type: B Stat: $ Date: 25 Oct 1157
To: NEWS @ GBR
From: G6JNS

Path: GB7WRG!GB7DAD!GB7SUT!GB7TCM
Subject: RSGB Auditor's letter
From: G6JNS @ GB7TCM

I recently wrote to the new RSGB auditors voicing my concern about the state of the accounting systems at HQ and the fact that the two subsidiaries had been dissolved due to inaction by the Secretary. This morning, 24th October 1990, I received the following reply. You may draw your own conclusions.

Peter Goddard & Co
Chartered Accountants
London Road
Sunningdale
SL5 0JN

0990 872822
FAX 0990 872189

22nd October 1990 Our ref PBG/LAW

Dear Mr. Crosland,

Radio Society of Great Britain Ltd and subsidiaries

Thank you for your letter of 19th October. As you are probably aware my firm was appointed accountants and auditors earlier this year and it became apparent very quickly that the Society's accountancy and administrativeaffairs were in a complete mess. When we took on the appointment as auditors we naturally did a company search ourselves and found that two subsidiaries had been struck off the live register at Companies House. As you rightly say there was an inter company loan between Lambda Investments and the RSGB and we therefore sought legal advice as to what should be done. It was decided that the only course of action open to the Society would be for Lambda to be re-instated. We have approval from the RSGB for this to be done and hopefully the company can be re-instated by the time the AGM is held. In any event we have confirmed that there should be no problem in having the company re-instated and therefore the 1990 accounts reflect this fact and also the fact that the inter company debt between Lambda and the RSGB has been waived and the investment written off. This tidies up the Society's affairs and puts them on a proper legal footing. The investment in the other subsidiary has also been written off as at 30th June 1990.

You mention in your letter that the accounting procedures of the RSGB have been in a chaotic state. This is quite correct and as a consequence, Counsel (sic) employed the services of one of my members of staff on a three days a week basis. He is trying everything he can to bring things into a proper order but I think it is fair to say that he has experienced difficulties, some of which relate to existing RSGB staff and other to the computer that was installed in the early part of the year, contrary to our advice. My member of staff, Philip Smith, will be at the Annual General Meeting and no doubt you will feel free to question him at that time.

I hope that I have clarified the position to your complete satisfaction, but if there is anything you are worried about, please do not hesitate to contact me. Although you may find me difficult to contact by telephone, you are free to try and if available I will be pleased to speak to you.

Yours faithfully,

(Signed)

P.B.Goddard

So now you know and can start believing what I have been saying for years. See you at the AGM on 8th December 1990 in Bristol and as the Chinese say "May you live in interesting times".
De G6JNS @ GB7BBS

------------------------------------- Item 2 ----------------------------

Msg# 30170 Type: B Stat: $ Date: 29 Oct 0517
To: NEWS @ GBR
From: G6JNS
Path: GB7WRG!GB7DAD!GB7SUT!GB7TCM!GB7BBS
Subject: RSGB President replies !
From: G6JNS@GB7BBS._281.GBR.EU
To : NEWS@GBR
The following questions have been asked of all RSGB Council Members.

1. Do Council receive a monthly management accounts package on a timely basis ?

2. Does this package adequately explain to you the company's present financial position ?

3. Are variances from budget adequately explained and the consequences highlighted ?

4. Are trading and cash flow projections regularly prepared for a period of at least 12 months forward on a proper basis ?

5. Are the company's present and projected financial requirements, as shown by the management accounts, within agreed bank and loan facilities ?

6. Can the Society pay its suppliers within the contractual periods of credit without exceeding agreed banking facilities ?

7. Can you confirm that the company's bankers have indicated no intention to curtail its facilities ?

8. Do you regularly review the likelihood that any contingent or prospective liability of the company may become actual ?

9. Can you confirm that no such liability is likely to become actual within the next 12 months ?

10. If any contingent or prospective liability becomes actual, will the company have adequate finance to meet it ?

11. If the company continues to trade, can it avoid insolvent liquidation ?

12. Have you taken advice on the options available ?

13. Can the company trade without relying on receiving deposits from consumer customers ?

14. Do the company's existing banking facilities permit the payment on the due dates of amounts owing in respect of PAYE, National Insurance and VAT ?

15. Have all payments in respect of PAYE, National Insurance and VAT actually been made on the due date ?

have they not been paid on time and have any penalties been incurred as a result ?

The response from the President was as follows:-

"I acknowledge receipt of your letter dated 16th October 1990, and have no comment to make on the contents other than to say that it appears that all the facts are not known to you."

So it would appear that the President is quite indifferent to the problems facing the Society and members views on the disastrous state of RSGB finances that will be partially revealed in the November Radcom. What the November Radcom will NOT tell members is how much the position has worsened since the 3oth June 1990. "Fiddling while Rome burns" is the phrase that springs to mind.

De G6JNS @ GB7BBS

---

73 all Mick G8VHB @ GB7WRG.GBR.EU
root@cms.scp.ac.uk

From -1612704577661897975
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 05:27:09 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)

Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <531@chiton.ucsd.edu>
Date: 29 Oct 90 23:09:14 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct24.200305.9402@athena.mit.edu> <9217@b11.ingr.com>
<1990Oct28.185659.11837@NCoast.ORG>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 27
Posted: Tue Oct 30 00:09:14 1990

In article <1990Oct28.185659.11837@NCoast.ORG> allbery@ncoast.ORG (Brandon S.
Allbery KB8JRR) writes:
>
>I am sick and tired of all the self-proclaimed Gods of Ham Radio who insist
>that because they like Morse Code, they have the right to force it on everyone
>else. Since when does the fact that you like it count for anyone except
>yourself?
>
I am sick and tired of all the self-proclaimed Gods of Ham Radio who insist
that because they don't like Morse Code, they have the right to deny it to
everyone else. Since when does the fact that you don't like it count for anyone
except yourself?
>
>So: five straw men proposed, five demolished. Next?
>
So: If there are more people who want to keep it than don't, you lose.
      If there are more prople who want to trash it than don't, you win.

Asi es la Vida con Pepsi.

     AA6PN

--
     richard currier   marine physical lab   u.c. san diego
     {decvax|ucbvax}   !ucsd!mplvax!rec
     rec@mpl.ucsd.edu

From -1255429239808595337
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b0c73fa0a538956
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 07:08:00 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!wuarchive!julius.cs.uiuc.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!uicsl.csl.uiuc.edu!gene
From: gene@uicsl.csl.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: IC-745
Message-ID: <29400007@uicsl.csl.uiuc.edu>

```
Date: 30 Oct 90 15:08:00 GMT
References: <9010291342.AA21093@ucsd.edu>
Lines: 29
Nf-ID: #R:<9010291342.AA21093@ucsd.edu>:-29:uicsl.csl.uiuc.edu:29400007:000:1855
Nf-From: uicsl.csl.uiuc.edu!gene    Oct 30 09:08:00 1990
Posted: Tue Oct 30 16:08:00 1990
```

If your IC-745 is like my IC-751, it does indeed depend on the battery to support the operating system, which if lost will require shipping the module back to factory for reprogramming. There is a service note out on the IC-751 which describes supplying +5 dc while the battery is being changed. (The IC-751A does not depend on battery for operating system). The +5 would go to the cathode-side of the diode which connects the battery-positive to the load. The negative would go to the circuit which connects to the negative side of the lithium battery.

I used a different approach which you might like to consider: I left the original battery in place (it still measured the same voltage as a new one), and added a second lithium battery with its own diode....anode to battery-positive, and cathode to load (i.e. cathode of original diode). The two batteries now operate in an "OR" circuit....either or both can supply power when the AC is off.....and can easily be tested, one at a time, without danger of losing anything. A light dummy-load could be shunted across battery for more meaningful test.

WARNING: When soldering, be sure everything is isolated...module removed, or AC cord disconnected (many soldering irons are grounded-tip) which might short out your +5 vdc. A battery-operated soldering-iron would be nice.

Note that with my method (2nd battery), it was not necessary to supply a temporary +5 vdc. If you do use an electric +5 vdc, be sure its neg. is not common to the AC safety ground, unless you are certain that your soldering iron is isolated. As an aside, I remember seeing an article somewhere describing how to reprogram an Icom Receiver (7000 series) which is quite similar to the transceivers. Does anyone know if this might be possible on our transceivers?....or might even the same program work??:

```
From 6020865874267438683
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,519415d8db5999b1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 07:40:40 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!
pacbell.com!att!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: IMHO
Message-ID: <68359@iuvax.cs.indiana.edu>
Date: 30 Oct 90 15:40:40 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 16
Posted: Tue Oct 30 16:40:40 1990
```

>What does IMHO mean? Is this an "in-group" acronym - or am I
>ignorant of some well known English abbreviation?

In My Humble Opinion, it could be any of the following:

1) Individual Maintenance Health Organization - 100% deductible; the
    ultimate goal of the insurance industry.

2) International Mountain Hotrod Organization - Collectors of 1950
    Fords and other _Thunder Road_ memorabilia.

3) How the former leader of North Vietnam introduced himself.

--

Frank   W9MKV   reid@ucs.indiana.edu

From -8240939000983381383
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,307163d4b1fbcf80
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 08:08:48 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (=Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: HTs
Summary: Lawyers
Message-ID: <109@thoreau.nsc.com>
Date: 30 Oct 90 16:08:48 GMT
References: <memo.514620@lynx.northeastern.edu>
<1990Oct29.224519.25248@ux1.cso.uiuc.edu>
Organization: National Semiconductor, S. Portland, Maine
Lines: 11
Posted: Tue Oct 30 17:08:48 1990

In article <1990Oct29.224519.25248@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN) writes:
> That's the best I can do, short of suggesting that you rob a bank, and if
> I did that I'd probably get flamed that it was a violation of some rule
> somewhere :-)

Actually, Phil, some smart-a** reading the mail here would
probably jump on the current thread of things and file citizen
charges of "Conspiracy To Commit A Felony" and "Inciting To Commit
A Felony". Best we tell him to buy the IC2 outright.

Ron, K3FR

From 2397295757807336575

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a37d30a0f86c9e4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 08:22:05 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!rpi!uupsi!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: extra callsigns
Keywords: calls
Message-ID: <41517@cci632.UUCP>
Date: 30 Oct 90 16:22:05 GMT
References: <1990Oct26.223332.25810@ux1.cso.uiuc.edu> <39259@ucbvax.BERKELEY.EDU> <1990Oct27.025146.6164@ux1.cso.uiuc.edu>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 11
Posted: Tue Oct 30 17:22:05 1990

>OK, I forgot about that one. Do we need any more VE's?

I think so, yes; they have to come from SOMEWHERE, right? (I'm one of
them). I mean, if this no-code nonesense generates the thousands of
hams you say it will, we VE's will be pretty busy, huh?

.-)   (half smile)

Chris/WZ2B

From 1792167752553305374
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 08:26:04 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Summary: Karn slams CW
Message-ID: <461@ssc.UUCP>
Date: 29 Oct 90 18:58:49 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp> <1990Oct28.191442.16979@bellcore-2.bellcore.com>
Organization: very little
Lines: 28
Posted: Mon Oct 29 19:58:49 1990

In article <1990Oct28.191442.16979@bellcore-2.bellcore.com>,
karn@thumper..bellcore.com (Phil R. Karn) writes:
> In article <9217@b11.ingr.com> herbster@b11.ingr.com (Joe Herbster) writes:

```
> >      What is so SPECIAL about CW....
> >
>
> Herbi,
>
 See my Reply Comments on PR Docket 90-55 for the details; I
> posted it here back in early September.
>
> None of your points constitute valid arguments against a codeless license,
> although you are perfectly free to promote voluntary proficiency in or
> use of CW by anyone who will listen.
>

What elitist crap!  Are PhDs from Belcore the only folks with valid
opinions?



Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP


From 1539031858945927233
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 08:33:23 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <462@ssc.UUCP>
Date: 29 Oct 90 19:45:55 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct28.180507.10292@NCoast.ORG>
Organization: SSC, Inc., Seattle, WA
Lines: 9
Posted: Mon Oct 29 20:45:55 1990

In article <1990Oct28.180507.10292@NCoast.ORG>, allbery@NCoast.ORG (Brandon S.
Allbery KB8JRR) writes:
> I request *again* reasons why CW *should* be required of *all* hams.

As I discern the history, one reason was so, in time of war, the
Army knew who to stick in a foxhole with a radio and a rifle, as
opposed to just a rifle.  But this was from World War One, so I
guess this is just another form of the "It's traditional" arguement.
```

markz@ssc.uucp

From 2064819884737295778
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df8572c8ea8cfcad,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-30 08:40:17 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!cs.cciw.ca!U009
From: U009@cs.cciw.ca
Newsgroups: rec.ham-radio
Subject: 10 GHz Equipped Hams Near Charleston, WV. CQ CQ CQ CQ
Message-ID: <5A0A1E0D21140184-MTACY830*U009@cs.cciw.ca>
Date: 30 Oct 90 16:40:17 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Tue Oct 30 17:40:17 1990

I received a letter today from a (young?) gentleman, a Charles Hawes KB8BFM, who is interested in getting started on 10 GHz but says he can't find anyone in his area to help.
His address is 961 Elliot Street, St. Albans, WV, 25177. The postmark on the letter was from Charleston.
I will be sending him some information, but I hope he can find someone a little closer to help him out.
Thanks to the net in advance.

Regards, Stu Beal, VE3MWM, U009@CS.CCIW.CA,
National Water Research Institute,
Burlington, Ontario, Canada.

The Future lies ahead, and behind us lies... lies... lies...

From -8034329938965211961
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8545d3eff0750a1a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 14:57:36 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9010242157.AA03831@tilde>
Date: 24 Oct 90 21:57:36 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 28
Posted: Wed Oct 24 22:57:36 1990

Subject: Re: CAUTION! Failed an exam?

From Jim Johnson WA6SII:

> disappointed to hear the "hard-nosed" approach by the guy who does
> not normally let the examinee see his/her paper to see which questions
> were missed. I was refreshed to hear from the person who likes to
> go over the exam with the examinee so s/he can learn from their
> mistakes.

This thread is interesting, inasmuch as someday I may be a VE. Long ago
in the dim past, a person failing an exam (given only at FCC offices) had
to wait a month before re-taking the exam. Now, as I understand it, one can
fail an exam, then turn right around and re-take it minutes later. Is this
correct? Suppose I have gone over the questions the examinee missed, and the
same questions just happen to pop up on the next exam I give moments later?

How can I, as a conscientious VE, adhere to the intent of the rules in a
case like this (and it is *bound* to happen). It seems to me that I should
either not review the missed questions, or I should not allow the examinee
to re-take the exam until (24 hours? 3 days?) later. How say ye, sincere
netters (and flamer-throwers, too)?

> Jim Johnson WA6SII (studying for the Extra now)

73,   Dube Todd   N5PDK

From 6268084719584651574
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed5bb56e4039ae0b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 16:11:44 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!sdd.hp.com!samsung!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Derek Wills)
Newsgroups: rec.ham-radio
Subject: The Dube dude
Keywords: exams (with a note on sexism)
Message-ID: <38680@ut-emx.uucp>
Date: 24 Oct 90 23:11:44 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 44
Posted: Thu Oct 25 00:11:44 1990

The N5PDK dude dube@cpdvax.csc.ti.com sez:

>>Say what?? How come Derek can use the 20 wpm CSCE for 5 or 13, but can't use
>>a 25 wpm CSCE (or higher) for 20?
>>Does honor run out somewhere between the 20 CSCE and the 25 CSCE? Or is it
>>interpreted differently for a G# than it is for an AA#?

Sigh. You're trying to bait me, right? CSCE stands for Certificate of Successful Completion of Examination and is the bit of paper you get after a VE exam. A 20 wpm CSCE is what you get when you pass an FCC/VE 20 wpm test. As against a "code proficiency certificate" or whatever it is that the ARRL gives you for saying you copied their code transmissions.

>>Weaving between Derek's flames, I can see his real point, though.

OK, that's good. Many others made the same point. And anyway, I wasn't flaming, I was just setting the record straight :-)

>>73,   Dube   N5PDK

You too, Dube!

Speaking of certificates, anyone want to discuss why the WAZ and several other certificates refer to the awardee as male only? All my WAZs (how immodest) say "HE is authorized to include the letters WAZ ..... originating from HIS station". Any female ops out there with a WAZ? Do they cross out the "his" and put "her"? Does anyone find it insulting? (and if not, would you think it strange for a male op to have a certificate attesting to "her" performance?).   All the ARRL awards are clean - WAS, WAC, DXCC - although, blowing the dust off my ancient WAC from my G3 days, that did contain the mail-only language at that time.   My WAC-YL certificate is understandably Politically Correct.   All three of the Hong Kong club certificates (illustrated in the ARRL Operating Manual) are beautiful pieces of wallpaper but are all sexist in their language.   Should I send mine back in protest? Seriously, though, isn't this archaic?

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From 2233048910621555590
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32f6ce9c97eeab06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 16:31:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!bionet!agate!linus!philabs!ttidca!sorgatz
From: sorgatz@ttidca.TTI.COM (Avatar)
Newsgroups: rec.ham-radio
Subject: discrimination by HRC's(was-So Cal repeater stats)
Message-ID: <20750@ttidca.TTI.COM>
Date: 24 Oct 90 23:31:52 GMT
References: <21168@ucsd.Edu> <30500822@ux1.cso.uiuc.edu>

Organization: Citicorp/TTI, Santa Monica
Lines: 119
Posted: Thu Oct 25 00:31:52 1990

In article <30500822@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
+>
+>>>>>>> 31 open 450 MHz
+>>>>>>> 488 closed   450 MHz
+
+If Communicators are limited to 220 MHz and above, most are going to end
+up on 440 MHz because of the equipment availability. This is going to
+wreak havoc with the 440 MHz private repeaters. The closed club repeaters
+would be a significant problem as long as the clubs don't practice any
+discrimination on the basis of license class.

I hate to be the messenger of bad news, Phil, but this is already being done quite regularly! Most clubs advertise 'open membership' but in fact have a 2-tier system of membership that allows for exactly this type of discrimination. Here's an example of how it works:

I joined a 220 MHZ Repeater Club..let's just call it "The Club". They had an open meeting, invited the whole Amateur service to attend, get aquainted and maybe join up. I went..it was held at a restaurant. The membership chairman tendered my $25 and gave me an "Associate Membership" card, saying that it was good for 1 full year, and that after that year I could petition for full-membership..PROVIDED THAT ONE OR MORE REGULAR MEMBERS WOULD SPONSOR ME. I didn't actually realize what that meant at the time.

The public portion of the meeting lasted from 5:30 to 7pm, then the regulars and the newly-minted Associates moved from the public dining area to a back-of-the-restaurant banquet room. The President and VP joined in thanking us for taking associate membership; then they explained how the club operated.

There were 22 regular members. 5 of which comprised the TECHNICAL STAFF, these were the guys that actually kept the repeater running. The remaining 17 were the MANAGEMENT STAFF, all club offices, Pres, VP, EVP of Membership, EVP of Publications (they have a monthly newsletter..like most ARC's), EVP of Events, EVP of PR, etcetra...on and on they introduced these people to us. Most of the "officers" were members of one of the 4 families that seemed to be involved with the club...!!

Regular members were the ONLY ones allowed to access the phonepatch, the talking s-meter functions, the cross-band link to 2m, etc. RIGHT! The associates were allowed to use the machine, and attend the open-meetings but not the business-meetings, or the vote-meetings. UHUH!

Most of us left the meeting wondering what we'd just spent $25 on! It would become clearer in the days ahead..it started with the rejection of an article that my friend and I wrote for the club newsletter. "Too technical!" the EVP of Publications told us, "No one cares about that mumbo-jumbo!" He had asked for contributions at the next meeting, saying that there's always room for some more "well written articles"...the next newsletter featured badly done xerox's of photos taken at the last dinner function. The people in the pics were (surprised?) the regulars and their kids. He also included a poem about Amateur radio that his daughter had written for her 7 grade English class.

Then the repeater turned to shit as the jammers began harassing everyone, my friend and I t-hunted one of the offenders to his QTH. When we presented the information to the Club Pres., he took the paper we offered, crunched it up and tossed it into a trashcan saying: "We're not going to do anything about this, if ignored it will stop..."! We later found out that the jammer was a former "associate member", he was also a cousin of the Pres!

My friend stood up at the next meeting and announced that he would not be a part of such an organization, and left! The whole club looked at me... the Pres. asked me how I felt. I told him that some things seemed quite irregular, and arbitrary. He assured me that "this a family-oriented" group and asked why I didn't bring my WF to the next meeting...hmmmm.

My WF (KB6VUZ) attended just exactly ONE dinner meeting, on the way home she told me that this was the most absurd collection of ego-maniacs she had ever seen and refused to ever associate with them again or to use the repeater! Apparently the other women in the club didn't approve of her wearing leather motorcycle pants in public, in front of their children!

The next issue of the Club newsletter had an editorial in it that I took issue with. The writer (we never did find out who actually wrote it) was telling the readers that: "..if you hear a QSO in progress that YOU DON'T LIKE, if the people are discussing topics that you wouldn't want your children to hear about, or if you think that the language being used is not proper or if they are telling jokes that are in poor taste, key up ID and remind them that this repeater is dedicated to FAMILY RADIO!.." on and on with a final option to call so-and-so and have the machine taken off the air. Well, ok..I mean if a QSO were advocating something illegal, or suchlike..what I didn't know at the time of reading was how literally some of the regular members were going to take this advice!

In the days that followed I was reminded about FAMILY RADIO, by a good 1/3 of the regular members..."We don't want to listen about OSCAR!" - "You guys with those computers are such a drag!" - "You're not supposed to talk about that! <cars, motorcycles, parties, girls/guys, surfing, the 60's, the War on Drugs, etc> I asked one of the regs what she thought was a proper topic for FAMILY RADIO...she wasn't sure...I asked her how all these families came to be...she shrieked and went QRT adding that I was some kind of a nut.

Finally, I went to a last meeting...my WF was right, my friend was right. This was the most pedantic and perverse collection of non-technical wierdos I'd ever meet! I asked the President if PART 97 applied to FAMILY RADIO, he just shrugged and said: "Do you expect us to sponsor you or not?". I stood up and said: "Don't bother, OM, I just hope you're ready to lose your ARRL affilation!". He laughed. I left. Six months later the Club folded, and then started over..I'm in the process of challenging their bid for another 220 pair on the basis of what happened.

ARC's?? Great idea...discrimination? YOU BET! And there's damn little to be done about it! The 220 organization I belong to now is a very liberal and reasonable confederation of folks, no regulars vs. associates, no votes - one guy is our repeater trustee - it's $100/yr and no one snivels about the topics so long as Part 97 is being adhered to..and we all can use the autopatch.

FAMILY RADIO - what a joke!

```
-Avatar-> (aka: Erik K. Sorgatz) KB6LUY           +------------------------+
Citicorp(+)TTI                           *----------> panic trap; type = N+1 *
3100 Ocean Park Blvd. Santa Monica, CA  90405     +------------------------+
{csun,philabs,psivax,pyramid,quad1,rdlvax,retix}!ttidca!sorgatz **
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR ITS MANAGEMENT!)
```

From -6489242533052970974
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32f6ce9c97eeab06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 16:57:24 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!agate!linus!philabs!ttidca!sorgatz
From: sorgatz@ttidca.TTI.COM (Avatar)
Newsgroups: rec.ham-radio
Subject: "Latch to flap"
Message-ID: <20751@ttidca.TTI.COM>
Date: 24 Oct 90 23:57:24 GMT
References: <21168@ucsd.Edu> <30500823@ux1.cso.uiuc.edu> <21248@ucsd.Edu>
Organization: Citicorp/TTI, Santa Monica
Lines: 28
Posted: Thu Oct 25 00:57:24 1990

In article <21248@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
+
+"Latch to flap" is the term used around here for the type of operation
+by people who seemingly have locking switches on their keying line -
+once they begin transmitting, they announce their whole medical history
+before unkeying, except for brief periods to 'reset the repeater'. That's
+directly opposed to push-to-talk one-thought-per-transmission modes of
+operation that are still common on private systems.
+
I kid people about this, reminding them that if they keep it up I'll give them a PUSH-TO-LISTEN-SWITCH type microphone so their thumb won't get so tired! ;-)

+ As more of the old farts came up from 80 meters,
+the type of operation they were used to there came with them.

This is the explaination that seems to fit, some of those guys on 75/80 AM..

..jeezz they're long winded! My 1970 ARRL handbook reminds people that the "old monopoly-switch routine, where the operator gabs to himself for five minutes at a time will get him invited off a busy VHF-FM repeater!" yup!

("The alligator got ya!" ;-))

```
-Avatar-> (aka: Erik K. Sorgatz) KB6LUY           +------------------------+
Citicorp(+)TTI                                *----------> panic trap; type = N+1 *
3100 Ocean Park Blvd. Santa Monica, CA  90405     +------------------------+
{csun,philabs,psivax,pyramid,quad1,rdlvax,retix}!ttidca!sorgatz **
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR ITS MANAGEMENT!)
```

From 7772902219600583258
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,834b03fed3a9697a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 17:45:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!pacbell.com!tandem!netcom!edg
From: edg@netcom.UUCP (Edward Greenberg)
Newsgroups: rec.ham-radio
Subject: Re: Wanted: 2m J-pole dimensions
Message-ID: <15478@netcom.UUCP>
Date: 25 Oct 90 00:45:39 GMT
References: <1186@muhthr.dec.com> <7880323@hpfcdc.HP.COM>
Organization: Netcom- The Bay Area's Public Access Unix System {408 241-9760 guest}
Lines: 20
Posted: Thu Oct 25 01:45:39 1990

I built the twin-lead J-Pole.

$11 built two of them, with twinlead left over. (The coax feeders were higher cost than the twinlead. :-)   It took about 15 minutes to knock out the first one, and ten minute to do the second.

I live in a no-antenna apartment. The manager states that we obviously have no hams in the building, since she is able to watch TV. I decline to discuss the subject with her further at this time :-)

I threw the twinlead J-pole out the window and keyed up. The reflected power barely moves the needle.

Thanks for the posting on how to build it. It's solved my antenna problem.
-edg

```
--
Ed Greenberg
edg@netcom              {amdahl | amdcad | apple}!netcom!edg
CompuServe: 76703,1070      Packet Radio: WB2GOH @ N6LDL.CA.USA.NA
```

```
From -4112546324098227246
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dfbe15ca71863048,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 18:16:37 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!cs.utexas.edu!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: (no subject)
Message-ID: <1839@n8emr.UUCP>
Date: 25 Oct 90 01:16:37 GMT
Reply-To: tcp-group@ucsd.edu
Organization: tcp mailing list
Lines: 26
Posted: Thu Oct 25 02:16:37 1990

From n8emr!W8PH Mon Oct 22 00:34:49 1990
Return-Path: <n8emr!W8PH>
Message-Id: <m0iQso4-0000fTC@n8emr.uucp>
[Date: Sun, 21 Oct 90 23:29 EDT
[To: <ALL@ARRL>
R:901021/0034z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:10475 Z:43232
R:901020/2342z @:W8CQK Columbus, OH #:4027 Z:43229
R:901020/2310 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:44676 Z:43103
R:901104/0149 @:WB8ICL.OH.USA.NA Yellow Springs #:58419 Z:45387
```

ARRL BULLETIN 40 ARLB040
FROM ARRL HEADQUARTERS
NEWINGTON CT OCTOBER 20, 1990
TO ALL RADIO AMATEURS

AS OF 1900 UTC ON FRIDAY, OCTOBER 19, 1990 HURRICANE NANA IS 245 MILES SOUTH SOUTH WEST OF BERMUDA AND HEADING NORTH TOWARD THE ISLAND AT 5 MPH. THE HURRICANE WATCH PRESNTLY IN EFFECT MAY BE UPGRADED TO A WARNING TONIGHT. IF NANA HITS BERMUDA, AMATEUR COMMUNICATION CHANNELS IN SUPPORT OF DAMAGE ASSESSEMENT AND RELIEF AGENCIES MUST BE ESTABLISHED QUICKLY.   AMATEURS ARE ADVISED TO MONITOR THE INTERNATIONAL ASSISTANCE AND TRAFFIC NET FREQUENCY ON 14.303 MHZ AND THE HURRICANE WATCH NET FREQUENCY ON 14.325 MHZ. PLEASE DO NOT TRANSMIT ON THESE FREQUENCIES UNLESS DIRECTED TO DO SO BY NET CONTROL STATIONS. AR

```
From -4303583550613748114
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dfbe15ca71863048
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 18:16:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
```

```
Newsgroups: rec.ham-radio
Subject: (no subject)
Message-ID: <1840@n8emr.UUCP>
Date: 25 Oct 90 01:16:54 GMT
Reply-To: tcp-group@ucsd.edu
Organization: tcp mailing list
Lines: 44
Posted: Thu Oct 25 02:16:54 1990

Return-Path: <n8emr!KB8NW>
Message-Id: <m0iR3HE-0000YKC@n8emr.uucp>
[Date: Mon, 22 Oct 90 10:40 EDT
[To: <ALL@ARRL>
R:901022/1423z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:10724 Z:43232
R:901022/1212 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:45113 Z:43103
R:901105/1424 @:WB8ICL.OH.USA.NA Yellow Springs #:58621 Z:45387
R:901022/0701q @:NC8Q.#DAY.OH.USA.NA Dayton #:9915 Z:45419
R:901022/1100z @:W8BI.#DAY.OH.USA.NA Dayton #:18910 Z:45424
R:901022/1042z @:N8LJX.#DAY.OH.USA.NA Sidney #:6245 O:KB8NW
R:901022/1015 @:KD8JR.OH.USA.NA Continental, OH #:939 Z:45831
R:901022/0824 @:N8ET.OH.USA.NA Findlay, OH #:7254 Z:45840
R:901022/0402 @:W8WE.OH.USA.NA Mansfield, OH #:24594 Z:44902
```

QST DE W1AW
PROPAGATION FORECAST BULLETIN 43 ARLP043
FROM ED TILTON, W1HDQ WETHERSFIELD CT
OCTOBER 22, 1990
RELAYED BY KB8NW/OBS & BARF-80 BBS
TO ALL RADIO AMATEURS

THE SOLAR FLUX TREND WAS MOSTLY UPWARD THROUGH THE FIRST HALF OF OCTOBER. ON THE 15TH THE FLUX REACHED 232, ITS HIGHEST SINCE LATE IN AUGUST. DURING THE PAST WEEK THE FLUX HAS CONTINUED ITS ERRATIC COURSE. ON THE 18TH IT WAS DOWN TO 195. THE NEXT DAY SAW IT BACK TO 221. ON THE 20TH IT DROPPED 24 UNITS TO 187.

ON THE AFTERNOON OF THE 20TH WEATHER CONDITIONS WERE FAIRLY GOOD FOR SUN VIEWING, BUT THE SOLAR DISC WAS NOT AN ENCOURAGING SIGHT. SEVERAL SMALL GROUPS WERE VISIBLE, BUT THE OVERALL IMPRESSION WAS THAT THE FLUX MAY GO DOWN BEFORE IT TURNS UPWARD AGAIN.

FLUX LEVELS HAVE NOT BEEN TOO BAD. THEY WERE CONSIDERABLY BETTER THAN IN SEPTEMBER WHEN THE HIGH WAS ONLY 206, AND THE AVERAGE WAS CONSIDERABLY LOWER THAN OCTOBER'S IS LIKELY TO BE.

WHATEVER HAPPENS ON THE SUN IN NOVEMBER, TRADITIONALLY A GOOD MONTH ON THE HIGHER FREQUENCIES, IT IS LIKELY TO BE THE BEST WE WILL SEE ON 28 AND 50 MHZ FOR QUITE SOME TIME.

AMERICAN SUNSPOT NUMBERS FOR OCTOBER 11 THROUGH 17 WERE 156, 170, 176, 190, 204, 169 AND 160 RESPECTIVELY, WITH A MEAN FIGURE OF 175. SOLAR FLUX NUMBERS AS REPORTED BY WWV FOR THE SAME TIME PERIOD WERE 202, 200, 207, 220, 232, 226 AND 193, WITH A MEAN FIGURE OF 211.4.

From -2906939491598584064
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bca0925948469beb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 18:52:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!samsung!usc!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: electrical vs RF grounds
Message-ID: <158.27278C4D@rochgte.FIDONET.ORG>
Date: 25 Oct 90 01:52:54 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 22
Posted: Thu Oct 25 02:52:54 1990

> From: dube@cpdvax.csc.ti.com
>
> "ground" takes care of both. Please note that I used quotes around the
> word "ground" because it is relative. Circuits can be "grounded" to a
> metal chassis, yet the whole thing can be above true ground (earth) potential
> in both RF and DC.

Apparently the important factor is that all "grounds" that are pertinent to your shack's operation be at zero potential with respect to each other. There was an interesting article in Beam magazine about lightning protection that mentioned "step" voltage difference. This is the difference in potential between tower ground and house utility ground if they are in different locations.

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From -6020478625796640485
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e95c3d5e0d52334e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 19:03:09 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!psuvax1!rutgers!mcnc!uvaarpa!haven!decuac!bacchus.pa.dec.com!news.crl.dec.com!shlump.nac.dec.com!ricks.enet.dec.com!reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)

Newsgroups: rec.ham-radio
Subject: Re: 1M7
Message-ID: <16647@shlump.nac.dec.com>
Date: 25 Oct 90 02:03:09 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation - Hudson, MA
Lines: 23
Posted: Thu Oct 25 03:03:09 1990

In article <7120138@hpcupt1.cup.hp.com>,
holly@hpcupt1.cup.hp.com (Jim Hollenback) writes...
>1M is Minerva Reef, a deleted country.

1M was *once* Minerva Reef, but this K1RH/1M7 is on Martha's Vinyard, an
island in Dukes Co, Mass. off the coast of Cape Cod near Falmouth and
Wood's Hole. It's NA-46 for you IOTA jocks.

I'm personally not too wild about people haphazardly using these unofficial
prefixes. Yes, 1S is damn near an 'official' prefix, and so is 1A, for that
matter.

jim, AD1C

=-=

"The opinions expressed here in no way represent the views of Digital
Equipment Corporation."

James J. Reisert   Internet: reisert@ricks.enet.dec.com
Digital Equipment Corp.   UUCP: ...decwrl!ricks.enet!reisert
77 Reed Road
Hudson, MA 01749-2895

From -4833502156561092034
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e1624c070a03604,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 19:31:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!samsung!usc!rutgers!
rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!
f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: fake station calls
Message-ID: <159.27278C4E@rochgte.FIDONET.ORG>
Date: 25 Oct 90 02:31:44 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 21
Posted: Thu Oct 25 03:31:44 1990

 > From: oo7@ut-emx.uucp (Webster Smogpule III)
 >
 > So why do you just have to guess? This is like the 'reasoning'

I guess it was the arrogance that comes from being in a country that has FULL use of 3 different prefix letters (K,N,W) for callsigns and forgetting that we, as well as other countries, may have to share prefix letters (like A).

 > Just having a bad day -

Excuse accepted. ;-)

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From -3210637074795281217
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1293bd2091f7b9b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,4797147d78140fb6
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-24 19:52:09 PST
Path: gmdzi!unido!mcsun!uunet!cbmvax!heimat!dan
From: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: questions regarding Airphone
Keywords: airphone aircraft communications inflight phone
Message-ID: <210@heimat.UUCP>
Date: 25 Oct 90 02:52:09 GMT
References: <22@kb2ear.UUCP>
Reply-To: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Organization: Sneakers Computing, West Lawn, PA
Lines: 32
Xref: gmdzi rec.radio.shortwave:2548 rec.ham-radio:16225
Posted: Thu Oct 25 03:52:09 1990

In article <22@kb2ear.UUCP> n2aam@kb2ear.UUCP (Dave Marthouse N2AAM) writes:
>
>I heard a few years back of a system called Airphone. This system was used
>
>for making phone calls from aircraft in flight. I would be interested in any
>
>information on this system, frequencies, modulation schemes, etc. Any info
>
>would be appreciated.

[heres what I got a few months back]

From: cbmvax!vortex.com!lauren (Lauren Weinstein)

The base side is:

894-896Mhz, .006 spacing, SSB

Plane side is:

849-851Mhz, .006 spacing, SSB

These are officially considered to be "experimental, temporary" allocations.
--

```
                               _____
     Dan 'Sneakers' Schein    /     \   Quote:
     Sneakers Computing     \/\/     |        Those who worked the hardest
     2455 McKinley Ave.      |  (o)(o)        are the last to surrender.
     West Lawn, PA 19609     C   .---_)            -= Gary Ward =-
                              | |.___|
                              |  \__/
     uunet!cbmvax!heimat!dan  /_____\  (or)  dan%heimat@commodore.com
```

From 8587392786048436880
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc60d0a31f629acc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 21:53:49 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!lll-winken!sun-barr!rutgers!bellcore-2!envy!karn
From: karn@envy..bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Re: DAB taking ham freqs?
Message-ID: <1990Oct25.045349.3968@bellcore-2.bellcore.com>
Date: 25 Oct 90 04:53:49 GMT
References: <9010112228.AA02460@cmr.ncsl.nist.gov>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com (Phil Karn)
Organization: Bell Communications Research, Inc
Lines: 30
Posted: Thu Oct 25 05:53:49 1990

Bob Carpenter's computation of how much microwave spectrum would be needed to support various amateur modes reminds me of the old joke about the civil engineer who was given the job of designing a bridge across a river. His first order of business was to determine how many lanes of traffic the bridge should have. Not having any better source of information, he sat down on the river bank one afternoon, counted the number of people who swam across the river per hour, tripled that figure (like all good engineers he believed in conservative design rules) and sized the bridge appropriately.

Seriously, simple extrapolations can often get you into trouble. If the history of communications has shown anything, it is that people are very clever at coming up with new uses for communications facilities that were never thought of by the original network designers. We now have a telephone network that was originally designed specifically for voice. Nobody ever thought that we'd now be using it for fax, computer data, slow scan video, pocket pagers and so forth.

What we really need on the amateur microwave bands is an enabling technology. I believe that high speed digital modems like those N6GN et al are developing are that enabling technology. Any form of information can be represented in digital form, and the economics of the technology areq such that going digital is the only practical way that we could handle large amounts of information (particularly information multiplexed from many sources) in a microwave-based amateur radio network.

Phil

From -7579539088602669055
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dafb9fc80f7c6608,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 05:24:54 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: Packet around 6MHz??
Message-ID: <25.Oct.90.13:28:21.BST.#0080@UK.AC.NWL.IA>
Date: 25 Oct 90 12:24:54 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Thu Oct 25 13:24:54 1990

Someone asked about packet on around 6MHz; well in Europe there are a number of pirate users who hang around 6.6 to 6.7MHz using modified ham gear to work SSB, theres also some number of them doing this on packet. They make up their callsigns; They call themselves 'International breakers' and i have heard numerous stations claiming to be in Britain, Ireland, France, Italy, and several of the Nordic countries.
These nets have been going for many years (they started off after WW2 using ex-government radios which could be bought dirt-cheap, or fished out of the remains of tanks, aircraft etc. that littered most of Western Europe at the time).

p.s. i hear that a number of Polish hams have acquired radios etc. left behind by the retreating(?) Soviet army and that some of these radios

cover the 50MHz band....
Watch this space!

Pete Lucas G6WBJ   G6WBJ@GB7SDN.GBR.EU PJML@UK.AC.NWL.IA 0793-411613

From 8149326108151101432
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,60fc91c6ad970ee2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 06:02:03 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: ICOM Service
Message-ID: <1479@ke4zv.UUCP>
Date: 25 Oct 90 13:02:03 GMT
References: <9010241351.AA05938@ucsd.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 13
Posted: Thu Oct 25 14:02:03 1990

In article <9010241351.AA05938@ucsd.edu>
ROsman%ASS%SwRI05@D15VS178A.SPACE.SWRI.EDU writes:
>
>For what it's worth, the Dallas office SEEMS to do MUCH better. I had a
>UX-39A dropped of there, and it was ready the next day. The two things that
>may play a role here are that they found nothing wrong, AND it was _dropped
>off_.
>

The Atlanta service center for Icom is top notch. Quick friendly service and free estimates. These guys apparently haven't gotten the word that they're not supposed to fix old rigs or stock parts. Don't anybody tell them. :-)

Gary KE4ZV

From 5934777419451749894
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,66bcc49ca129c383,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 06:14:32 PST
Path: gmdzi!unido!mcsun!uunet!know!cs.utexas.edu!rutgers!bellcore-2!bellcore!navaho!jdn
From: jdn@navaho.uucp (25451-Jonathan Nagy(3416))
Newsgroups: rec.ham-radio
Subject: Re: Code Tset, etc
Message-ID: <28186@bellcore.bellcore.com>
Date: 25 Oct 90 13:14:32 GMT
References: <9010232157.AA28158@tilde>

Sender: news@bellcore.bellcore.com
Reply-To: jdn@navaho.UUCP (25451-Jonathan Nagy)
Organization: Bellcore, Livingston, NJ
Lines: 36
Posted: Thu Oct 25 14:14:32 1990

In article <9010232157.AA28158@tilde> dube@cpdvax.csc.ti.com writes:
>Does the FCC, ARRL, etc. allow VEs to accept the qualifying run certificates
>as proof that an examinee can copy at the certificated speed? For instance,
>if I go in to test for Extra class, and I have a certificate that I copied at
>25 WPM, do I get credit for the 20WPM CW portion of the exams? If not, why not?

What is a "qualifying run"? If you mean the ARRL code practice qualifying runs the answer is no. Obviously, having perfect print out of the ARRL qualifying run is no proof of code ability- it just shows your computer works ok.

However, there is one way of getting credit for the EXTRA code test. I got my extra class license without ever taking an amateur extra class code test. If you are a holder of a commercial 1st or 2nd class radiotelegraph license, then you get credit for the amateur extra. The code portion of the 2nd class radiotelegraph test consists of two separate tests (at least, it used to):

1. Copy plain text, including punctuation , . / ; " ( ) @ - = at 25 wpm for one minute without error.

2. Copy 5 letter/number/puncutation code groups at 25 wpm for one minute without error.

This test if only administered by the FCC at an FCC field office by appointment only.

Believe me, its much easier passing the amateur extra at a hamfest!

73, Jon NK2D

Jonathan Nagy
jdn@nk2d.bellcore.com
jdn@navaho.cc.bellcore.com
(201) 699-4445

From 1918289200693935509
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,86ba53783152d430
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 06:18:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!uwm.edu!zaphod.mps.ohio-state.edu!samsung!noose.ecn.purdue.edu!dynamo.ecn.purdue.edu!young
From: young@dynamo.ecn.purdue.edu (Mike Young)
Newsgroups: rec.ham-radio

```
Subject: Re: Grounding Questions
Message-ID: <1990Oct25.131802.9068@ecn.purdue.edu>
Date: 25 Oct 90 13:18:02 GMT
References: <1990Oct18.210804.10004@midway.uchicago.edu> <12280024@hpspdra.HP.COM>
Sender: news@ecn.purdue.edu (USENET news)
Organization: Purdue University Engineering Computer Network
Lines: 41
Posted: Thu Oct 25 14:18:02 1990

In article <12280024@hpspdra.HP.COM> paulz@hpspdra.HP.COM (Paul Zander) writes:
>/ hpspdra:rec.ham-radio / xdab@ellis.uchicago.edu (David Baird) /  2:08 pm  Oct
18, 1990 /
>
>> I am studying for my ham license, but I am confused by grounding.
>> What is the difference between RF ground and electrical ground?
>> What kind of problems can arise if you have an electrical ground but
>> not an RF ground?
>> I know how to construct an electrical ground, but how do you construct
>> an RF ground?
>
>Welcome to the crowd.  Many old timers are also confused about grounds.

     (...part of discussion deleted...)

>Another consideration of RF grounds is TVI.  The initial assumption is
>that the cabinet of the transmitter is completely sealed.  Every
>transmitter generates some amount of harmonic energy.  If there is a
>small crack in the case, or a key lead is not bypassed, the RF could get
>outside the radio and travel to a nearby TV set.  This is less likely if
>the outside of the radio is grounded at 50 or 100 MHz!  Now we are
>talking really short connections!
         ^^^^^^ ^^^^^
To throw in my 2 cents' worth, don't forget that copper braid or strap tends
to make a better rf ground than a simple wire in most, if not all, cases.
Case in point: in our research lab at Purdue, we have a 6 kw, 6 kv DC
power supply connected to a electron-gun evaporation system. These systems
are notorious for arcing during operation, thus presenting mucho transients
(read: transient, hi-power rf) to the vacuum system chassis, power supply
chassis, mains, etc.  The installation manual specified grounding the vac
chassis to the supply, and the supply chassis to the ground rod, with
6" x .050" copper strap. Our run was about 50 feet, near their predicted
maximum allowable. That, as Paul Hogan would say, is a GROUND! :-)

>Paul AA6PZ


--
    |  Mike Young KA9HZE                |       young@ecn.purdue.edu    |
    |  Purdue University EE Dept.       |       ...!pur-ee!young        |
    |  W. Lafayette, IN  47907          |                               |
    ---------------------------------------------------------------------
```

From -6228936427004713155
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed5bb56e4039ae0b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 06:46:13 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!gatech!purdue!haven!decuac!bacchus.pa.dec.com!hollie.rdg.dec.com!ryn.esg.dec.com!ultnix.enet.dec.com!taber
From: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Newsgroups: rec.ham-radio
Subject: Re: The Dube dude
Keywords: exams (with a note on sexism)
Message-ID: <1990Oct25.094613@ultnix.enet.dec.com>
Date: 25 Oct 90 13:46:13 GMT
References: <38680@ut-emx.uucp>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Organization: KC1TD@KB4N.NH.USA.NA.EARTH.SOLAR_SYSTEM.UNIVERSE.MIND_OF_GOD
Lines: 34
Posted: Thu Oct 25 14:46:13 1990

In article <38680@ut-emx.uucp>, oo7@ut-emx.uucp (Derek Wills) writes:
|>Speaking of certificates, anyone want to discuss why the WAZ and several
other
|>certificates refer to the awardee as male only? All my WAZs (how immodest)
|>say "HE is authorized to include the letters WAZ ..... originating from HIS
|>station". Any female ops out there with a WAZ? Do they cross out the "his"
|>and put "her"? Does anyone find it insulting? (and if not, would you think
|>it strange for a male op to have a certificate attesting to "her" perform-
|>ance?).   All the ARRL awards are clean - WAS, WAC, DXCC - although, blowing
|>the dust off my ancient WAC from my G3 days, that did contain the mail-only
|>language at that time.   My WAC-YL certificate is understandably Politically
|>Correct.   All three of the Hong Kong club certificates (illustrated in the
|>ARRL Operating Manual) are beautiful pieces of wallpaper but are all sexist
|>in their language.   Should I send mine back in protest? Seriously, though,
|>isn't this archaic?

Oh good -- a new fight. I was getting sick of code wars and calling out on the cop repeater to order a pizza from an airliner.

Yes, they are pollitically incorrect in certain places. No, they are not gramattically incorrect -- you can look it up, but I suspect you knew it well before you decided to try and start a fight. Until English comes up with a good, euphonious way to handle indeterminate sex or people learn to relax (nah), it will continue to be a problem. Personally, I back the use of "they"/"their" over such awful contructions as "he/she" or the muy disgusto "heesh." I'd rather trash number than invent new words.

--
>>>==>PStJTT
Patrick St. Joseph Teahan Taber, KC1TD

If I was authorized to speak for my employer, I'd be too important to waste my time on this crap....

From 5371702417997123136
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12e7f607b7159e29,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9270,12e7f607b7159e29,start
X-Google-Attributes: gidf9270,public
X-Google-Thread: 105d97,12e7f607b7159e29,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-10-25 06:59:52 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!VAX1.CC.UAKRON.EDU!mcs.kent.edu!usenet.ins.cwru.edu!neoucom!wtm
From: wtm@uhura.neoucom.EDU (Bill Mayhew)
Newsgroups: sci.electronics,rec.ham-radio,rec.video
Subject: Re: Satellite T.V.
Keywords: VideoCipher II
Message-ID: <1990Oct25.135952.20866@uhura.neoucom.EDU>
Date: 25 Oct 90 13:59:52 GMT
References: <1118@tsdiag.ccur.com> <1990Oct24.023553.17631@nas.nasa.gov>
Organization: Northeastern Ohio Universities College of Medicine
Lines: 40
Xref: gmdzi sci.electronics:9282 rec.ham-radio:16082 rec.video:4887
Posted: Thu Oct 25 14:59:52 1990

Receiving unauthorized programming through a modified Videocipher module is potentially unlawful, thus there is reluctance to discuss any methods in a public forum such as this.

What can be said is that the Videociopher 2000 and 2100 models 018, 019 and 032 have been widely compromised by so-called "chippers". Who alter the units' firmware to simulate authorization of multiple services. The compromise is made possible by an extremely poor and short-sighted design of the DES key manangement by MA/Com, the original designers of the system.

There have been significant changes incorporated in the newer Videocipher Plus which are claimed to prevent chippers from attacking with current stategies. Digicipher, reported to be compatible with HDTV, is in the works.

Yes, there is a 900 number which reads numbers to you in hexadecimal format. There is no explanation of what the numbers are for or what to do with the numbers. I don't think it would be a very smart idea to call that number from your own home unless you want the FBI knocking on your door next month.

There are many sources of so-called Videocipher "repair" software. The best way to find out is to get a copy of a magazine called "Satellite Watch Newsletter" and read the ads (it is virtually 100% ads). It's easy to get taken. I doubt that anybody is going to be

stupid enough to go the the postal inspector complaining that he/she was ripped-off buying illegal Videocipher firmare, but only recieved a box of a few scraps of wire and some old TTL chips.
Caviat emptor.

==Bill==

--
Bill Mayhew   NEOUCOM Computer Services Department
Rootstown, OH 44272-9995 USA   phone: 216-325-2511
wtm@uhura.neoucom.edu   ....!uunet!aablue!neoucom!wtm
via internet: (140.220.001.001)

From 696555935500818232
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1442f5e02495ad21,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 07:33:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!LONEX.RADC.AF.MIL!szarekw
From: szarekw@LONEX.RADC.AF.MIL (William J. Szarek)
Newsgroups: rec.ham-radio
Subject: re: cars that freak out from ham transmissions (or something like that)
Message-ID: <9010251433.AA04190@lonex4.radc.af.mil>
Date: 25 Oct 90 14:33:16 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11
Posted: Thu Oct 25 15:33:16 1990

I have a 90 Jeep Wrangler and I cannot use the 30meter band because there is a 10Mhz computer chip (i guess) somewhere in the beast and whenever I xmit (even qrp) the motor turns off.

I suppose it is a good anti theft device, just turn on the sterio and set up the HF rig for VOX. If you start the jeep with the sterio on it will key the vox, transmit on 30meters and turn the jeep off (but how would I ID the xmitter :-))

-buzz
ke2wd

From -7013836832188438471
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f6beb41460f6a2a3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 07:47:08 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!LONEX.RADC.AF.MIL!szarekw
From: szarekw@LONEX.RADC.AF.MIL (William J. Szarek)

Newsgroups: rec.ham-radio
Subject: hts that cover 430-450
Message-ID: <9010251447.AA04367@lonex4.radc.af.mil>
Date: 25 Oct 90 14:47:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Thu Oct 25 15:47:08 1990

I have modified my FT470 to TX and RX from 430 to 450

and from 140 to 174.

I don't remember exactly but it was a simple matter of removing a jumper.

I got the info in this net and could probabily find it if you need it.

73 es gl
buzz
ke2wd

From -1749997609801095809
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b81102c58a3e56f0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 08:08:50 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Code Tset (was Re: Code Test (was Code Tset))
Message-ID: <9010251508.AA29282@tilde>
Date: 25 Oct 90 15:08:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Thu Oct 25 16:08:50 1990

Derek sez:
> ...You're baiting me, right?

Well....no. I threw the original question in because it seemed likd the net was regressing toward the "Privacy" and "No-code" fights from last year. Just trying to get something different going is all.

Thanks to all who took the time to reply, though.

73   Dube Todd (the dube dude)   N5PDK

From 7223440999250512041

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6c6dfe7694804615,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 08:20:41 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!hls.com!trop
From: trop@hls.com (Troy T. Pummill)
Newsgroups: rec.ham-radio
Subject: What HTs cover 430-450
Message-ID: <9010251520.AA20947@hls.com>
Date: 25 Oct 90 15:20:41 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Thu Oct 25 16:20:41 1990

The Yaesu FT470 has 4 different versions according to the owner's manual. Versions B, C, and H cover 430 - 440 MHz (I assume these are European versions). The Version A tranceiver covers 430-450 MHz.

On a recent trip to Norway, I was able to use my HT (un-modified) to transmit on 434.7 minus with no troubles.

73s

```
-----------------------------------------------------------------------------
|  Troy T. Pummill, N6XMV   |  trop@hls.com                             |
|  Sr. Technical Instructor |  ...uunet!lanslide.hls.com!trop           |
|  Hughes LAN Systems       |  1225 Charleston Rd., Silicon Gulch       |
|  Mountain View, CA  94043 |  The preceding drivel is entirely my own! |
-----------------------------------------------------------------------------
Invisible airwaves crackle with life, bright antenna bristles with the energy
Emotional feedback on timeless wavelength, bearing a gift beyond price....
Almost free.             "Spirit of Radio" - Rush
```

From 7867752939043477394
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d37ed42e96cad0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 08:21:56 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!hplabs!
hpda!hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: Re: VVV
Message-ID: <7120140@hpcupt1.cup.hp.com>
Date: 25 Oct 90 15:21:56 GMT
References: <7880329@hpfcdc.HP.COM>
Organization: Hewlett Packard, Cupertino
Lines: 14
Posted: Thu Oct 25 16:21:56 1990

#if !OLD_PHART

Actually the calibrating and tunning signal for RTTY is RY ....
seems that with this combination you have alternating 1's and 0's.
Makes tunning the signal on the old CRT crossed display very easy.
When properly tunned you get a + instead of a X.

Before you leap to your ASCII chart and check it out, remember RTTY
uses the Badout code which is 5 level

#endif
Jim,WA6SDM
jholly@hpcup.cup.hp.com

From -8822465566573072789
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8545d3eff0750a1a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 08:23:25 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!midway!ellis.uchicago.edu!pbhx
From: pbhx@ellis.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: Re: CSCE vs qualifying run certificates
Message-ID: <1990Oct25.152325.5965@midway.uchicago.edu>
Date: 25 Oct 90 15:23:25 GMT
References: <9010241527.AA03193@tilde>
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago
Lines: 45
Posted: Thu Oct 25 16:23:25 1990

In article <9010232157.AA28158@tilde> dube@cpdvax.csc.ti.com writes:

>Does the FCC, ARRL, etc. allow VEs to accept the qualifying run certificates
>as proof that an examinee can copy at the certificated speed? For instance,
>if I go in to test for Extra class, and I have a certificate that I copied at
>25 WPM, do I get credit for the 20WPM CW portion of the exams? If not, why no?
>73   Dube Todd   N5PDK

To which oo7@ut-emx.uucp (Webster Smogpule III (aka Derek)) responds:

>Of course not, you silly boy! You're on your honor when you send in the copy
>for the proficiency certificates. You could easily cheat and get someone else
>to copy it for you and send it in as your own work.
> (edited)
>
>Oh yes - Dube, if you have a CSCE for 20 wpm you don't have to take the 5 or
>13 wpm tests, OK? - I know, cos that's what I did (insert smug smiley).
>

And dube@cpdvax.csc.ti.com returns:
>
>Say what?? How come Derek can use the 20 wpm CSCE for 5 or 13, but can't use a 25 wpm CSCE (or higher) for 20?
>Does honor run out somewhere between the 20 CSCE and the 25 CSCE? Or is it interpreted differently for a G# than it is for an AA#?
>

There is a little confusion here.

Your original question asked why you couldn't use a *qualifying run certificate* to prove competency with the code. Derek pointed out that the *qualifying run certificate* is given by the ARRL for copying code at home, and then he referred to a CSCE which is a Certificate of Sucessful Competion of **Examination.** A CSCE is given out by VEs at VE exams for passing a VE exam. Derek took the 1c test and passed at 20 wmp; therefore he didn't need to prove proficiency at 5 wmp or 13 wmp.

So, there is no issue of "honor running out" between 20 wmp and 25 wmp since the two are entirely different.
--

Peter B. Hayward N9IZT
University of Chicago Computing Organizations

From -1964707085690616720
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,87bb50aebc386f6a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 08:26:37 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!samsung!cs.utexas.edu!swrinde!ucsd!ucbvax!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: Anyone used Mini-Circuits MAR-x amps?
Message-ID: <1250253@hpnmdla.HP.COM>
Date: 25 Oct 90 15:26:37 GMT
References: <248@nachos.SSESCO.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 39
Posted: Thu Oct 25 16:26:37 1990

Rick N6RK writes:
> In regard to wide-band gain blocks (e.g. Mini-circuits MAR-_ series), I would suggest substituting the Motorola MWA-0204 or the Avantek MSA-0_04 series. The disadvantage of the MAR- series is that they are very easily damaged if over driven. The damage level is so low that you can burn one out by driving it with the output of another copy of the same model! On the other hand, I have *never* burned out a Motorola or Avantek unit, despite numerous accidents.

>

Interesting... Particularly so as far as I know it is Avantek that actually builds *all* the MiniCircuits MAR devices! I think the suffixes are only due to the different packages...

04 is 4-pac plastic
20 is 200 mil Beo
35 is micro-X
70 is 70 mil hermetic
85 is 85 mil plastic

the 04 is only shown to be available as the MSA-0104,MSA-0204,MSA-0304,MSA-0404 in my (1987!) Avantek catalog. The MSA-06xx is a particularly useful device because of its stability and lower noise figure. The MSA-08xx can be lower noise and higher gain but is only conditionally stable. In fact, my fairly careful measurements in a well characterized fixture with accurate deembedding show it to be somewhat *less* stable than the published specifications indicate. It is useful too but extra care has to be taken. As far as I know the MAR-6 *is* an MSA-0685.

BTW, the white dot (chamfered end) is the *input* lead on this part.

I have never yet blown a MSA/MAR series part out by overdrive. I *have* broken a whole lot of leads off at the package though!

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From -1140330788165918855
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c17eb9f7a861b074,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 08:27:28 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!rust.zso.dec.com!shlump.nac.dec.com!delni.enet.dec.com!goldstein
From: goldstein@delni.enet.dec.com (Fred R. Goldstein)
Newsgroups: rec.ham-radio
Subject: English 302 (was Re: The Dube dude)
Message-ID: <16668@shlump.nac.dec.com>
Date: 25 Oct 90 15:27:28 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 46
Posted: Thu Oct 25 16:27:28 1990

In article <38680@ut-emx.uucp>, oo7@ut-emx.uucp (Derek Wills) writes...
>

>Speaking of certificates, anyone want to discuss why the WAZ and several other certificates refer to the awardee as male only? All my WAZs (how immodest) say "HE is authorized to include the letters WAZ ..... originating from HIS station". Any female ops out there with a WAZ? Do they cross out the "his" and put "her"? Does anyone find it insulting? (and if not, would you think it strange for a male op to have a certificate attesting to "her" performance?). ...

To be pedantic, Derek, they are correct and inclusive.

English has given up most use of gender in nouns, unlike many other languages which categorize essentially all _words_ (not _things_) by gender. Note that gender is a characteristic of a WORD, not a THING, so two synonyms can have different gender. (Also note that people do NOT have gender; they have sex. Using "gender" to refer to people is a poor euphemism. E.g., we can not have a gender-neutral personnel policy, but we can have a sex-neutral one.)

The few remnants of gender in English are for personal pronouns, where gender refers to sex. Due to the way the language evolved, we ended up with "masculine" pronouns and "feminine" pronouns. The latter apply only to female persons. The former apply to both the "masculine gender" (male persons reference) and the "common gender" (no sex implied).

Thus it is correct to say that if your secretary is good, he won't misplace your mail. It is wrong to say "she won't", unless you're referring to a particular female secretary, since secretaries _can_ be male, so common gender applies. Ditto for telephone operators & nurses (not wet-nurses, though). And on the flip side, it's right to say "He" on a DX award that can go to a person of either sex.

The college I attended was all-female before 1971, except for 1946-51, when it took male war veterans. But it had an _alumni_ (male and common) association, not _alumnae_, since it was not _exclusively_ female. Alas, we poor menfolks don't even have a pronoun referring to us exclusively!

Now back to the other flame wars already in progress.

---

Fred R. Goldstein k1io   Digital Equipment Corp., Littleton MA
goldstein@delni.enet.dec.com   voice: +1 508 486 7388
Do you think anyone else on the planet would share my opinions, let
alone a multi-billion dollar corporation?

From -5724601788985967237
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3dfae72efb567553
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 08:27:38 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!rpi!uupsi!cci632!cep
From: cep@cci632.UUCP (co-op)

Newsgroups: rec.ham-radio
Subject: Re: Oscar antennas, your views sought (Alliance rotators)
Keywords: satellite antennas, rotators, Alliance
Message-ID: <41346@cci632.UUCP>
Date: 25 Oct 90 15:27:38 GMT
References: <12280018@hpspdra.HP.COM> <1435@ke4zv.UUCP>
<1990Oct22.213549.25225@kodak.kodak.com> <1474@ke4zv.UUCP>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 20
Posted: Thu Oct 25 16:27:38 1990

In article <1474@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
>When I switched to the KR500 elevation rotor from Kenpro the problems
>went away
 ...
>I now swing a KLM22C, a KLM40CX, two Down East Microwave loop yagis and
>a 4 foot dish with ease.

>Gary KE4ZV

Sounds great! But you sure pay for that extra power - they are very
expensive, both under the Kenpro name and the re-packaged Yaesu model.
Has anybody gone shopping for these combo rotators lately - it seems
like the prices are pretty much the same everywhere, but I haven't looked
more than a few places.

I'm wondering, also, if you can have a few hundred feet of control cable
before the meters become inaccurate.

Chris/WZ2B

From -2939210985510309716
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9d729c6a9e6b5e4b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 08:35:13 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!swrinde!ucsd!ucbvax!hplabs!
hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: GPS Receivers
Message-ID: <1250254@hpnmdla.HP.COM>
Date: 25 Oct 90 15:35:13 GMT
References: <8350001@hpopd.HP.COM>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 22
Posted: Thu Oct 25 16:35:13 1990

Jonathan Baker writes:

> Global Positioning Satellite Receivers
>
> If you know of this magazine (or equivalent) or have any information on
> currently available GPS receivers can you please let me know.
>
> Jon "Would like to know more about GPS Receivers" Baker
>

Jon
There was a nice (long) paper in the most recent ARRL/CRRL networking
conference proceedings(pp 25-72) by Dan Doberstein describing construction
as well as a good deal of GPS fundamentals. For anyone interested in
building a GPS receiver I think this would be very informative. The author
clearly spent a lot of time at it. I'm not sure how it ended up in
that particular proceeding but its a nice paper.

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From -3363456544605457448
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c718cf7b411f6c10,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9532,c718cf7b411f6c10,start
X-Google-Attributes: gidf9532,public
X-Google-Thread: 114aac,c718cf7b411f6c10,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-25 09:06:59 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!dali.cs.montana.edu!milton!uw-beaver!fluke!swifty
From: swifty@tc.fluke.COM (Steve Swift)
Newsgroups: rec.radio.shortwave,misc.wanted,rec.ham-radio
Subject: WANTED: Tracor 900 Schematics
Message-ID: <1990Oct25.160659.4387@tc.fluke.COM>
Date: 25 Oct 90 16:06:59 GMT
Organization: John Fluke Mfg. Co., Inc., Everett, WA
Lines: 14
Xref: gmdzi rec.radio.shortwave:2513 misc.wanted:5764 rec.ham-radio:16072
Posted: Thu Oct 25 17:06:59 1990

Anyone have a manual for a TRACOR Model 900 VLF/LF
receiver? I'd like to get a copy of the schematic pages.

Thanks,

--

Steve Swift

Domain: swifty@tc.fluke.COM
Voice: (206) 347-6100, Ext. 5737 direct: 356-5737
UUCP: {microsof,sun}!fluke!swifty
US mail: John Fluke Mfg. Co./ P.O. Box C9090/ MS 241F/ Everett WA 98206

From -8074649009264236716
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8545d3eff0750a1a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 09:58:32 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!apple!mips!twg.com!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <8161@gollum.twg.com>
Date: 25 Oct 90 16:58:32 GMT
References: <9010241527.AA03193@tilde>
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 18
Posted: Thu Oct 25 17:58:32 1990

In article <9010241527.AA03193@tilde> N5PDK writes:
>
>Say what?? How come Derek can use the 20 wpm CSCE for 5 or 13, but can't use
>a 25 wpm CSCE (or higher) for 20?
>Does honor run out somewhere between the 20 CSCE and the 25 CSCE? Or is it
>interpreted differently for a G# than it is for an AA#?

All right, let's go back to the beginning on this one. "CSCE" stands for Certificate for Successful Completion of an Examination. It's what the VE gives you when you pass any license examination element, and it can be used to satisfy any element requirement needed for a license or a license upgrade for a period of up to one year from the date it was issued. What Derek was telling you, and you obviously couldn't copy even as ASCII text, was that he didn't even need to bother himself with the 5 and 13 wpm tests. He passed the 20 wpm test off the bat, and then used the CSCE for that element as he worked his way through the written elements. Believe it or not, you could even do the same with your N5 prefix!!

AA6KX

From -2352957043135673405
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ea875b54552d7e68
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 10:22:23 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: An old tube radio

Summary: old manuals
Message-ID: <443@ssc.UUCP>
Date: 25 Oct 90 17:22:23 GMT
References: <1990Oct17.054638.5649@ddsw1.MCS.COM> <20620@ttidca.TTI.COM>
<85058@tut.cis.ohio-state.edu>
Organization: very little
Lines: 26
Posted: Thu Oct 25 18:22:23 1990

In article <85058@tut.cis.ohio-state.edu>, kronstad@tortoise.cis.ohio-state.edu
(richard b kronstad) writes:
> I just came accross a Hammarlund HQ-129-X tube transceiver and I don't have
> any specs on it. If anyone has a schematic or manual for this radio I would

I think this is a receiver, not a transceiver. Isn't this the old
WWII vintage "Hammarlund Super-Pro" ??

You can get a manual for this and a lot of other old gear from:

Hi Manuals
P.O. Box 802
Council Bluffs, IA 51502

Send them a money order for $2.00, and they will send you a catalog of
their manuals for old gear.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 7835025933669178248
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a556d01b8aac59ad,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 10:40:50 PST
Path: gmdzi!unido!mcsun!uunet!know!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Derek Wills)
Newsgroups: rec.ham-radio
Subject: prefix? suffix?
Keywords: 1M7
Message-ID: <38716@ut-emx.uucp>
Date: 25 Oct 90 17:40:50 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 40
Posted: Thu Oct 25 18:40:50 1990

henryb@hpspdra.HP.COM (Henry Black) says:

```
>>Derek Wills (AA5BT, G3NMX) writes:
>>                              .   .    .    .    .  I guess you can get
>>on the air from any old location and give yourself a silly 'prefix' and
                                                            ^^^^^^^^
>I'm not being obnoxious, just confused,  . .  did you mean 'suffix', the
>whole prefix/suffix thing in the US baffles me [etc]
------------------------------
```

Yes, I thought of that e'en as I penned my missive. I think of the prefix of a call being the bit that usually goes in front and tells you which country/reef/rock the signal is from. Thus KH6 is the prefix for Hawaii, whether it occurs as KH6XX or as K7SS/KH6. The suffixes in those cases are XX and SS, even if SS does come in the middle :-)

The WPX (Worked Prefixes) awards and contests use prefix in this sense too, that's what I had in mind. Whether K1RH/1M7 should be signing that way or 1M7/K1RH I really don't know or mind too much. I've heard stations in West Virginia signing with their own call /WVA. In some countries you append your own call to a club call - there's a VU station on the air sometimes signing /LID, because it's being operated by VU2LID (I'm not making this up, although I've often thought it would be nice if you could append things like that to the calls of people you work sometimes, I thought of adding /QRP each time I work a particular contester rumored to run molto KW in contests).

Anyway, on the other points, yes, if you live in Texas and use a reciprocal call you sign W5/call. I guess the idea is that if you sign BY1XX/W5, you get listeners' adrenalin flowing early, and it's an anticlimax when they get to the W5 bit. When you hear the call with W5 in front, you keep on tuning past the second you hear the W - that may not be what the FCC had in mind, but it works for me!

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From -5291395732664994127
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0d5df1f991cc211,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,b0d5df1f991cc211,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-25 10:44:21 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!newstop!sun!
tenorman.Eng.Sun.COM!jneher
From: jneher@tenorman.Eng.Sun.COM (Jonathan Neher X62863)

Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Radio NY International
Message-ID: <144195@sun.Eng.Sun.COM>
Date: 25 Oct 90 17:44:21 GMT
Sender: news@sun.Eng.Sun.COM
Lines: 12
Xref: gmdzi rec.radio.shortwave:2520 rec.ham-radio:16102
Posted: Thu Oct 25 18:44:21 1990

The other night I was listening to Radio NY International (7520Mhz). They sounded like a pirate station except it turns out they were being broadcast by some other station that seems to be legal. They apparently used to be a real pirate station operating off the east coast on a ship. Does anyone know anything about them. They were very entertaining and I'd like to know their schedule as well as their story.

Thanks,

Jon
N6XUI

From 6888928006358772140
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e95c3d5e0d52334e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 11:10:52 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!ucsd!ucbvax!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: 1M7
Message-ID: <7120141@hpcupt1.cup.hp.com>
Date: 25 Oct 90 18:10:52 GMT
References: <38597@ut-emx.uucp>
Organization: Hewlett Packard, Cupertino
Lines: 10
Posted: Thu Oct 25 19:10:52 1990

Now I am confused. If K1WHATEVER/1M7 is Martha's Vineyard, pray tell what is the 1M7 suppose to stand for? Once Mobile Seventimes? Or is this just a catchy sign to snag the WFWL crowd and generate a pile-up? Which now brings up the question on 1J5. Is there some IOTA or other group that generates these /SUFFIX designations? Life use to be simple until a XM7 became British Columbia, OM is OKland, and all the other neat calls. Now let see where did I put the ITU allocation list ....
73's
Jim,WA6SDM
jhollyt1.hpcup.cup.hp.com

From 3417794891595504536
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,55888b98d8a29769
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 11:12:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!milton!ogicse!ucsd!usc!apple!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (=Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: deed restrictions
Summary: Toung In Cheek
Message-ID: <107@thoreau.nsc.com>
Date: 25 Oct 90 18:12:44 GMT
References: <11088@hacgate.UUCP> <30500814@ux1.cso.uiuc.edu>
Organization: National Semiconductor, S. Portland, Maine
Lines: 18
Posted: Thu Oct 25 19:12:44 1990

It seems to me (TIC) that all this CCR stuff must have
been dreamed up by lawyers just to have something to do
to be a pain in the a** to those of us who want to conduct
life on a reasonable basis.

Riddle:

Joe: What do you call three lawyers in cement boots
at the bottom of the bay?

Moe: I don't know, what?

Joe: A good start!

(flames > dev_null)

K3FR

From -9000504916135706842
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,69f0a4b5d27b2342,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 11:30:50 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: VE session retests
Message-ID: <9010251830.AA06865@tilde>
Date: 25 Oct 90 18:30:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 47
Posted: Thu Oct 25 19:30:50 1990

Subject: Re: CAUTION! Failed an exam?

in <9010242157.AA03831@tilde> Dube Todd N5PDK writes:

> Now, as I understand it, one can fail an exam, then turn right around and
> re-take it minutes later. Is this correct?

Yes, but they must pay another fee. ($4.95 or whatever it is at the time.)

> Suppose I have gone over the questions the examinee missed, and the
> same questions just happen to pop up on the next exam I give moments later?

They should not be given exactly the same test. There should not be any of the questions exactly the same on another test. [That's why there are about 10 times the number of questions in the pool as on the test!]

I don't know about other teams and VECs, but our VE team has exam sets consisting of several exams for each element. Every applicant that comes through our group has an index card with the date, which exam element and serial number, and the result (Pass or Fail only). If someone wants to take an exam element (code or written) we check (1) if they have a card in our file, (2) which, if any, of those exams desired they've seen before.

If someone comes in who's been with us before, we check and give them a different exam for the element they want. We actually do check, and keep records. That's the best, I think, that we can do, and I think also in most situations, it works. There's always an exception.

> How can I, as a conscientious VE, adhere to the intent of the rules in a
> case like this (and it is *bound* to happen). It seems to me that I should
> either not review the missed questions, or I should not allow the examinee
> to re-take the exam until (24 hours? 3 days?) later. How say ye, sincere
> netters (and flamer-throwers, too)?

OK here's a scenario. Many VE teams in the Dallas area are W5YI-VEC sponsored. The VEC provides test kits (several exams, appropriate keys, and stuff) to the VE teams.

An individual *-could-* go to VE Team X in the morning, attempt and fail exam 3A-#Z90 (a fictitious number) then go to the next suburb, to where VE Team Y is giving exams that afternoon and get the same exam. VE Team X and Y do not exchange records because the problem is not one that is worth the effort.

73,
Bob WA8YCD
rlwest@flopn2.csc.ti.com

From 3314511662303023806
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,26033bd1ef1537df,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 11:56:00 PST

Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!hls.com!trop
From: trop@hls.com (Troy T. Pummill)
Newsgroups: rec.ham-radio
Subject: Texas Scanning Laws
Message-ID: <9010251856.AA22357@hls.com>
Date: 25 Oct 90 18:56:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19
Posted: Thu Oct 25 19:56:00 1990

Dr. Risk asks about the laws concerning scanning in Texas.

The Monitor America (what else would you expect from me :-) says
that Texas has no scanning laws.....again this edition if
from 1985-86. (I'm eagerly waiting the newly published edition)

73s.....trop

```
-------------------------------------------------------------------------------
|  Troy T. Pummill, N6XMV   |  trop@hls.com                                |
|  Sr. Technical Instructor |  ...uunet!lanslide.hls.com!trop              |
|  Hughes LAN Systems       |  1225 Charleston Rd., Silicon Gulch          |
|  Mountain View, CA  94043 |  The preceding drivel is entirely my own! |
-------------------------------------------------------------------------------
Invisible airwaves crackle with life, bright antenna bristles with the energy
Emotional feedback on timeless wavelength, bearing a gift beyond price....
Almost free.             "Spirit of Radio" - Rush
```

From -8491424644954181093
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32f6ce9c97eeab06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 11:59:55 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!ucsd!network.ucsd.edu!brent
From: brent@network.ucsd.edu (Brent Jones)
Newsgroups: rec.ham-radio
Subject: Re: So Cal repeater stats
Message-ID: <3937@network.ucsd.edu>
Date: 25 Oct 90 18:59:55 GMT
References: <21168@ucsd.Edu> <30500824@ux1.cso.uiuc.edu>
Organization: Ich geh' kaput. Gehst du mit?
Lines: 42
Posted: Thu Oct 25 19:59:55 1990

In article <30500824@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>But I have to side with Ken on this one. If you want the law to protect
>your equipment from my use, put it on a part of the spectrum where the

>law has such provisions.

FCC Rules part 97.205 paragraph E sentence #2
(e) ..."Limiting the use of a repeater to only certain user stations is permissible."

Self explanatory.

>But if I find my way into the repeater anyway, then it is effectively
>NOT CLOSED for me. The INTENT on the part of the operator to not allow
>me to use it is what the issue is about.

If the front panel switch was turned off on the repeater, and you drove up the hill and turned it on, you would have also made the system "NOT CLOSED" for you... His intent there is that the repeater not be used also by you, or in this case anyone else. If your definition of a CLOSED system is one that is physically impenetrable, okay. But usually it means a repeater that has use limited to certain users. And you have not become one of these designated users by figuring out the repeater PL, Touch Tone, digital squelch or whatever system implemented to hinder unauthorized use.

>If the OUTPUT frequency is already in use, the repeater should NOT
>transmit on that frequency. It may be in use from any of a variety
>of reasons. The band plans and coordinations, however, point out
>specific accepted frequencies for many types of operations. Some,
>however, are not mentioned in the bandplans, and any frequency is
>fair game.

Agreed. And if a repeater is operating out of coordinated band plans, it must accept the consequences. And people operating in the repeater sub-bands, say simplex on a coordinated repeater output, also must accept that a repeater may key up on top of them.

>All "clique repeaters" should move to 23cm.

Or all those who are dissatisfied with what's on 70cm, move to 23cm...

Brent

From 4787775321584926581
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d1c84e173a3b9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 12:07:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Re; the decline of CW
Message-ID: <1250255@hpnmdla.HP.COM>
Date: 25 Oct 90 19:07:16 GMT

References: <1990Oct18.233813.21773@informix.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 22
Posted: Thu Oct 25 20:07:16 1990

>>What does this mean? Base station hamming is on the wane. You will notice a
>>large number of mobile HF stations, especially on 10 meters, and I think the
>>trend will continue. CW is not a medium that is suited to mobile operation.

>I wouldn't have thought so either, but...   Some of the CW fans here
>point out that once you get your speed up it just becomes conversational,
>and running a keyer takes one hand just like a PTT mike. Since you
>aren't holding something with a cord attached up near your face, it
>would take even less time to get both hands back on the wheel when
>needed.

Yes. When I moved to CA from OH, I worked the 20 meter CW county hunters' net the whole way out, running 100W through a tuner into a 10-foot CB whip. Keeping a logbook can get a little hairy at 55 mph on the freeway, but the actual operating was a snap. I had the keyer paddle strapped in just to the front of the passenger's seat where it was comfortable to reach. If traffic required my immediate attention, I could "retrieve" my hand much faster than if it were holding a microphone.

AL N1AL

From -3924632271054049418
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,394e0d3a7a395345
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 12:18:45 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: CAUTION! Failed an exam?
Message-ID: <1250257@hpnmdla.HP.COM>
Date: 25 Oct 90 19:18:45 GMT
References: <5490104@hpscdc.scd.hp.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 10
Posted: Thu Oct 25 20:18:45 1990

>But that doesn't change the way the rules are written: the VE's don't
>HAVE to let you see your exam after it has been graded.

In exam sessions where I have been a VE, we routinely double-check all missed questions for examinees who fail by only 1 or 2 questions.

Occasionally we do find a typo in an answer key or a question rendered invalid by changes in the regulations.

AL N1AL

From 4291371518181082099
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32f6ce9c97eeab06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 12:26:55 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sol.ctr.columbia.edu!cica!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: So Cal repeater stats
Message-ID: <67463@iuvax.cs.indiana.edu>
Date: 25 Oct 90 19:26:55 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 27
Posted: Thu Oct 25 20:26:55 1990

context: closed ham repeaters

In article <30500824@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>...If you want the law to protect your equipment from my use, put it
>on a part of the spectrum where the law has such provisions.

Doesn't do any good! The commercial-band UHF repeater where I work (Indiana University) has been plagued by bootleggers with programmable radios, including "cable gypsies" (itenerant installers of CATV and other utility lines). They move into an area, get on common repeater freqs, try different CTCSS ("PL") codes until they get a repeater to work, then disregard its licensed users. FCC won't expend the effort to catch them.

They claim they have a license for our frequency (they do, but not in this area), and they move all over the state using four different licensed frequencies and whosever repeaters are in range. (Who needs ham radio?)

We could have a major "fox hunt" with attendant legal hassles (they have threatened bodily harm to us! Maybe we should take the football team along! %-) The practical solution is digital squelch with thousands of combinations, but management is too cheap to buy it.

--

Dwight   WB9TLH   hazen@ucs.indiana.edu

From 8783700535805130206
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f0959ac43f7ee678,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-10-25 12:36:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!usc!elroy.jpl.nasa.gov!aero!obrien
From: obrien@aero.aero.org (Michael O'Brien)
Newsgroups: rec.ham-radio
Subject: Kenwood ALC meter and the avoidance of lidditude
Message-ID: <89675@aerospace.AERO.ORG>
Date: 25 Oct 90 19:36:44 GMT
Sender: news@aerospace.aero.org
Reply-To: obrien@aero.aero.org (Michael O'Brien)
Organization: The Aerospace Corporation
Lines: 21
Posted: Thu Oct 25 20:36:44 1990

Got some on-air advice this morning that I'd like to check out. I own a Kenwood TS-440S. One of its meter switch positions is for ALC (which, in typical fashion, isn't even defined in the 440 manual. You have to read the 940 manual to find out that it stands for Automatic Limit Control.). They say, "don't let even the peaks of your SSB output go past the end of the red zone." The guys on-air said, "The meter needle shouldn't move at all. If it does you're going to splatter."

The best I can figure out is that they're both right. The only thing I can think of is that the meter needle indicates, by moving away from zero, that the transmitter is limiting your peaks to prevent overmodulation, and that if you go past the end of the marked zone, you've exceeded the transmitter's ability to compensate, and will start splattering at that point, but not before.

If anyone knows the straight poop on this, I'd appreciate hearing about it. Going off the air for twenty years and then coming back as a "lid" is just what I need.

--
Mike O'Brien, KC6OJW/AA
obrien@aerospace.aero.org

From 2514153037608135826
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,837c1f1035acdf71,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 12:37:07 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!ucsd!ucbvax!hls.com!trop
From: trop@hls.com (Troy T. Pummill)
Newsgroups: rec.ham-radio
Subject: PD version of SLIP
Message-ID: <9010251937.AA22566@hls.com>
Date: 25 Oct 90 19:37:07 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Thu Oct 25 20:37:07 1990

Does anyone know of a PD version of SLIP that can be ftp'd from Internet?

73s and thanks.....trop

```
-----------------------------------------------------------------------------
|  Troy T. Pummill, N6XMV   |  trop@hls.com                                 |
|  Sr. Technical Instructor |  ...uunet!lanslide.hls.com!trop               |
|  Hughes LAN Systems       |  1225 Charleston Rd., Silicon Gulch           |
|  Mountain View, CA  94043 |  The preceding drivel is entirely my own! |
-----------------------------------------------------------------------------
Invisible airwaves crackle with life, bright antenna bristles with the energy
Emotional feedback on timeless wavelength, bearing a gift beyond price....
Almost free.             "Spirit of Radio" - Rush
```

From 9149197090949729973
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a37d30a0f86c9e4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 12:49:11 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!hpb
From: hpb@unix.cis.pitt.edu (Harry P Bloomberg)
Newsgroups: rec.ham-radio
Subject: Re: extra callsigns
Keywords: calls
Message-ID: <53197@unix.cis.pitt.edu>
Date: 25 Oct 90 19:49:11 GMT
References: <110894@philabs.Philips.Com>
Reply-To: hpb@unix.cis.pitt.edu (Harry P Bloomberg)
Organization: Univ. of Pittsburgh, Panther Amateur Radio Club
Lines: 12
Posted: Thu Oct 25 20:49:11 1990

In article <110894@philabs.Philips.Com> rfc@briar.Philips.Com (Robert Casey) writes:
>Just wondering: I've noticed that extras' callsigns are in the format
>*#** and **#*, but will the FCC do ***#? (where * is a letter and # is a
>number). Or does that style of call belong to another radio service?
>I heard that in some areas, the FCC ran out of extra calls.

The local National Weather Service station on 162.55 MHz holds the callsign KIH035. Other NWS stations I have heard use similar callsigns.

Harry Bloomberg WA3TBL
hpb@hpb.cis.pitt.edu or
hpb@vms.cis.pitt.edu

From -7301381107145333116
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a37d30a0f86c9e4

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 12:56:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!usc!elroy.jpl.nasa.gov!aero!obrien
From: obrien@aero.aero.org (Michael O'Brien)
Newsgroups: rec.ham-radio
Subject: Re: extra callsigns
Keywords: calls
Message-ID: <89680@aerospace.AERO.ORG>
Date: 25 Oct 90 19:56:21 GMT
References: <110894@philabs.Philips.Com> <53197@unix.cis.pitt.edu>
Sender: news@aerospace.aero.org
Reply-To: obrien@aero.aero.org (Michael O'Brien)
Organization: The Aerospace Corporation
Lines: 20
Posted: Thu Oct 25 20:56:21 1990

In article <53197@unix.cis.pitt.edu>, hpb@unix.cis.pitt.edu (Harry P Bloomberg) writes:
|> In article <110894@philabs.Philips.Com> rfc@briar.Philips.Com (Robert Casey) writes:
|> >Just wondering: I've noticed that extras' callsigns are in the format
|> >*#** and **#*, but will the FCC do ***#? (where * is a letter and # is a
|> >number). Or does that style of call belong to another radio service?
|> >I heard that in some areas, the FCC ran out of extra calls.
|>
|>   The local National Weather Service station on 162.55 MHz holds the
|> callsign KIH035. Other NWS stations I have heard use similar callsigns.

Back in the days when you actually had to obtain an FCC license to run
a CB radio, CBers had callsigns that were of this form. For example,
one was KLQ0863. Since they eliminated CB licensing provisions
entirely, presumably they could reassign the namespace.
--
Mike O'Brien
obrien@aerospace.aero.org

From 5323433706018549079
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c17eb9f7a861b074
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 12:58:52 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!usc!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: English 302 (was Re: The Dube dude)
Message-ID: <45989@apple.Apple.COM>
Date: 25 Oct 90 19:58:52 GMT
References: <16668@shlump.nac.dec.com>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 40

Posted: Thu Oct 25 20:58:52 1990

>In article <38680@ut-emx.uucp>, oo7@ut-emx.uucp (Derek Wills) writes...
>>
>>Speaking of certificates, anyone want to discuss why the WAZ and several other
>>certificates refer to the awardee as male only?
>>Does anyone find it insulting?

Yes.

In article <16668@shlump.nac.dec.com> goldstein@delni.enet.dec.com (Fred R. Goldstein) writes:
>
>The few remnants of gender in English are for personal pronouns, where
>gender refers to sex. Due to the way the language evolved, we ended
>up with "masculine" pronouns and "feminine" pronouns. The latter apply
>only to female persons. The former apply to both the "masculine gender"
>(male persons reference) and the "common gender" (no sex implied).
>
>... it's right to say "He"
>on a DX award that can go to a person of either sex.

Grammatically "right," perhaps, but not inoffensive.

True, we need a good solution to this problem. And as Patrick pointed
out, we don't have an entirely satisfactory one yet.

But in the interim, many documents can be written without using the
third-person singular. I have DXCC, WAC, and WAS certificates on my
wall that prove it's entirely possible--without sounding convoluted.

I'm sure the WAZ folks could come up with acceptable rewording if
they cared. Apparently they don't. (Or at least haven't so far.)

Patty

--
```
*****************************************************************************
Patty Winter N6BIS                        INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                     UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From 6496705953859334269
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bcdfb131f5b6780,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 13:40:08 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!samsung!sol.ctr.columbia.edu!cica!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)

Newsgroups: rec.ham-radio
Subject: Re: "Latch to flap"
Message-ID: <67478@iuvax.cs.indiana.edu>
Date: 25 Oct 90 20:40:08 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 22
Posted: Thu Oct 25 21:40:08 1990

Erik K. Sorgatz KB6LUY writes:
>In article <21248@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>+"Latch to flap" is the term used around here for the type of operation
>+by people who seemingly have locking switches on their keying line -
>+once they begin transmitting, they announce their whole medical history
>...

> I kid people about this, reminding them that if they keep it up I'll
>give them a PUSH-TO-LISTEN-SWITCH type microphone so their thumb won't
>get so tired! ;-)

>+ As more of the old farts came up from 80 meters,
>+the type of operation they were used to there came with them...

Overheard on 2m: "My medical tests were so-o-o-o bad...
                  "How bad were they?"
                  "They were so bad, I'd have to get on 80 meters to
                   tell you about them!"
--

Frank   W9MKV   reid@ucs.indiana.edu

From -1028015865642462986
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac056a3f5a7d05e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 13:40:10 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Derek Wills)
Newsgroups: rec.ham-radio
Subject: he/she
Keywords: ack
Message-ID: <38723@ut-emx.uucp>
Date: 25 Oct 90 20:40:10 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 24
Posted: Thu Oct 25 21:40:10 1990

taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber KC1TD) says:

>>Oh good -- a new fight. I was getting sick of code wars and calling out on the
>>cop repeater to order a pizza from an airliner.

>>Yes, they are pollitically incorrect in certain places. No, they are not
>>gramattically incorrect -- you can look it up, but I suspect you knew it well
>>before you decided to try and start a fight.

I didn't mean to start a fight, really!

But in any case, I can hardly accept grammar lessons from someone who spells
"politically" and "grammatically" the way you do (heh heh, a real flame!)

(exits L after double-checking spelling)

Derek ("no middle name or initial") Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From 1816931253915048589
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a01df4ba0ebb2dd8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 13:58:44 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!DICKINSN.BITNET!GRAY_S
From: GRAY_S@DICKINSN.BITNET ("Gray, Steven")
Newsgroups: rec.ham-radio
Subject: WANTED: Speech Processor for TR-4
Message-ID: <9010252102.AA01576@ucsd.edu>
Date: 25 Oct 90 20:58:44 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Thu Oct 25 21:58:44 1990

I am looking to get ahold of a speech processor for a Drake TR-4. Does
anyone know of any company currently in existence that manufacturers such a
beast? Failing that, does anyone have a used processor they would like to
sell? Thanks for any info!

---Steve Gray
NR3B
gray_s@DICKINSN.Bitnet

From 6598744917989800542
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3c2e8de57b384356
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 14:24:45 PST
Path: gmdzi!unido!mcsun!uunet!nih-csl!lhc!ncifcrf!haven!decuac!shlump.nac.dec.com!

```
ryn.esg.dec.com!muhthr.dec.com!bruthr.cdad.dec.com!acp
From: acp@bruthr.cdad.dec.com (Andy Payne)
Newsgroups: rec.ham-radio
Subject: Re: Any University Radio Clubs out there?
Message-ID: <1187@muhthr.dec.com>
Date: 25 Oct 90 21:24:45 GMT
References: <179@opus.NMSU.Edu> <7880303@hpfcdc.HP.COM>
Sender: news@muhthr.dec.com
Reply-To: payne@ad.enet.dec.com
Organization: DEC Cmos Design A/D
Lines: 14
Posted: Thu Oct 25 22:24:45 1990
Nntp-Posting-Host: bruthr.cdad.dec.com


Yep:  W2CXM, the Cornell Amateur Radio Club (Ithaca, NY):

     W2CXM, Cornell ARC
     401 Barton Hall
     Ithaca, NY  14853

HF (TS-440), 2m, 220, as of this time last year.  Also packet:  W2CXM-1 on
145.01, I believe; you can reach it through the NEDA net.

--
=  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =
Andrew C. Payne, N8KEI       Internet:    payne@ad.enet.dec.com
                             UUCP:        ...decwrl!ad.enet!payne


From -9072267472066763982
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0e3d69ef4f3b377
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 18:25:23 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!bcm!lib!
thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Pre/Suf/Fixes
Message-ID: <4243@lib.tmc.edu>
Date: 27 Oct 90 01:25:23 GMT
References: <9010261233.AA25514@tilde>
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 15
Posted: Sat Oct 27 02:25:23 1990
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <9010261233.AA25514@tilde> rlwest@flopn3.csc.ti.com (Bob West, WA8YCD)
writes:
>> Anyway, on the other points, yes, if you live in Texas and use a reciprocal
>> call you sign W5/call. [...]
```

>But, the Republic of Texas may not always have reciprocal licensing with the
>US in the future.

Actually, I suspect that we'll have reciprocal licensing...sure will hate to have to trade in this call, though.

SECEDE!!!!

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
"With design like this, who needs bugs?" - Boyd Roberts

From -7827891765500210432
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd0c6c81e8614647
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 18:26:14 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: Ham Radio Pub. "Communications Quarterly"
Message-ID: <9010270126.AA07882@ucsd.edu>
Date: 27 Oct 90 01:26:14 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1
Posted: Sat Oct 27 02:26:14 1990

Note the initials of the magazine.

From 6203844359142055545
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a37d30a0f86c9e4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 19:20:29 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!samsung!usc!ucsd!ucbvax!shiva.Berkeley.EDU!bks
From: bks@shiva.Berkeley.EDU (Brian K. Shiratsuki)
Newsgroups: rec.ham-radio
Subject: Re: extra callsigns
Keywords: calls
Message-ID: <39259@ucbvax.BERKELEY.EDU>
Date: 27 Oct 90 02:20:29 GMT
References: <1990Oct26.223332.25810@ux1.cso.uiuc.edu>
Sender: usenet@ucbvax.BERKELEY.EDU
Reply-To: bks@shiva.Berkeley.EDU (Brian K. Shiratsuki)
Organization: University of California at Berkeley
Lines: 17
Posted: Sat Oct 27 03:20:29 1990

In article <1990Oct26.223332.25810@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN) writes:

```
>...1.  Extra privileges on HF
>    1.  So what, I don't work HF.
>   2.  Space operation privileges
>    2.  Everyone gets a waiver anyway.
>   3.  Nice callsign
>    3.  This is all that's left.
```

what about the opportunity to serve as a volunteer examiner?

and what sort of guarantee do you have of getting a ``nice''
callsign? you may get a shorter but really awful one.

brian

brian

```
From -5438435172070216673
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,70c95d02392b7505,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,70c95d02392b7505,start
X-Google-Attributes: gidf5cc0,public
X-Google-Thread: fddbf,70c95d02392b7505,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-10-26 19:48:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
decwrl!shelby!rutgers!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.space
Subject: News From OSCAR-11 24-Oct-90
Keywords: OSCAR-10, OSCAR-13, PACSAT
Message-ID: <357@ka2qhd.UUCP>
Date: 27 Oct 90 02:48:34 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 107
Xref: gmdzi rec.ham-radio:16146 rec.ham-radio.packet:2959 sci.space:17002
Posted: Sat Oct 27 03:48:34 1990
```

```
* UOSAT-2 OBC STATUS INFORMATION *

DIARY OPERATING SYSTEM V3.1 SMH MLJM MSH

 Today's date is 27 /10 /90  (Saturday)
 Time is 1 :31 :54 UTC
 Auto Mode is selected
 Spin Period is - 261
 Z Mag firings  = 0
 + SPIN firings = 24
 - SPIN firings = 31
 SEU count      = 66
 RAM WASH pointer at DBB2
 WOD commenced 27 /10 /90 at 0 :0 :8
 with channels 10 ,11 ,19 ,29 ,
 Last cmnd was 112 to 1 , 0
 Attitude control initiated, mode 1
 Data collection in progress
```

**** UoSAT-OSCAR-11 BULLETIN   24 October 1990 ****

UoSAT MISSION CONTROL CENTRE
University of Surrey, Guildford, Surrey, GU2 5XH, England

** AO-13

Command Stations performed magnetorquing procedures near perigee of orbits on October 15-17. The new transponder schedule is as follows:

```
Mode-B : MA 000 to 095
Mode-JL: MA 095 to 125
Mode-LS: MA 125 to 130
Mode-S : MA 130 to 135
Mode-BS: MA 135 to 140
Mode-B : MA 140 to 256
Omnis  : MA 220 to 040
```

This schedule is expected to continue to 261290. The spacecraft attitude is:

BLON = 180 and BLAT = 0

** AO-10

AMSAT-OSCAR-10 appears NOT TO have been receiving sufficient solar panel illumination to support Mode-B transponder operations. Both beacon and transponder signals show signs of FMing. Until further notice please DO NOT use AO-10's transponder. AO-10 may be able to to support Mode-B transponder operation in November.

** AO-16 PACSAT

The microsat BBS has been tested on the ground engineering unit, and is now ready for uploading to AO-16. The satellite BBS software was written by Jeff Ward, G0/K8KA, at UoSAT and was ported to the microsats by NK6K. The porting was easily achieved, as there are only 10 lines of code that are different between the UoSAT version and the Microsat version. A lot of effort went into the design of the BBS, operating system, and other support code to make that possible. Once complete, the following elements will be available:

256k file system:

This is just half of one of the four available banks of bank switched memory. The more complete file system using all four banks and the 6MB mass memory will be uploaded after more testing.

FTL0 file server:

This implements the protocol described in the FTL0 document, available on CIS, the 9th ARRL Networking Conference proceedings, and elsewhere. It allows file uploading, downloading, and a simple directory display. It requires the use of software at the groundstation: a simple version, called "PG" has been written by Jeff and will be on CIS soon.

Broadcast server:

This implements the broadcast protocol as described along with FTL0 and has been running for several weeks on UO-14, and a few people have rolled their own receive program, at least one written in BASIC. A simple version, called "KISSUI" has been written by Jeff and will be on CIS soon.

After this is loaded, the following separate programs will be running on AO-16:

```
Kernel - Operating system - NK6K/Quadron
AX25   - AX25 driver - NK6K/WB6YMH/Quadron, pd on a KA9Q AX25 implementation.
PHT    - Spacecraft control, power management & program loader - N4HY/NK6K
AARTD  - AART driver - NK6K/WB6YMH
MFILE  - File system - G0/K8KA/UoSAT
FTL0   - File upload/download - G0/K8KA/UoSAT
PBP    - File broadcaster - G0/K8KA/UoSAT
```

** $BID **
Please use BID $UOSAT.1024 for PR BBS use.

--

```
John A. Magliacane                FAX  : (908) 747-7107
Electronics Technology Department  AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College       UUCP : ...!rutgers!ka2qhd!kd2bd
Lincroft, NJ  07738  USA          VOICE: (908) 842-1900 ext 607
```

From -3124862149123662982
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a37d30a0f86c9e4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 19:51:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!phil

From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: extra callsigns
Keywords: calls
Message-ID: <1990Oct27.025146.6164@ux1.cso.uiuc.edu>
Date: 27 Oct 90 02:51:46 GMT
References: <1990Oct26.223332.25810@ux1.cso.uiuc.edu> <39259@ucbvax.BERKELEY.EDU>
Organization: University of Illinois at Urbana
Lines: 39
Posted: Sat Oct 27 03:51:46 1990

bks@shiva.Berkeley.EDU (Brian K. Shiratsuki) writes:

>In article <1990Oct26.223332.25810@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN) writes:

>>...1. Extra privileges on HF
>>   1. So what, I don't work HF.
>>   2. Space operation privileges
>>   2. Everyone gets a waiver anyway.
>>   3. Nice callsign
>>   3. This is all that's left.

>what about the opportunity to serve as a volunteer examiner?

OK, I forgot about that one. Do we need any more VE's?

>and what sort of guarantee do you have of getting a ``nice''
>callsign? you may get a shorter but really awful one.

Well, shorter is nicer. I would like to get one where people are
NOT ribbing me for working for a radio station in Chicago :-)

You can get bad call in any group. If you get a good call in one
then you may be wise to stick with it. I really don't care for
an N9xxx call, so maybe, just maybe, I'll go with an advanced call
as there seem to be plenty left. I will have to hurry or else end
up waiting for a while:

> >   9   WV9Q   KE9ZF   N9KDV   KB9FNS

since to me, KF9xx is OK, K[GH]9xx is not, and KI9xx is fine, too.
Actually I think I might like KI9xx better so there is yet another
reason to "put it off" :-)

Once I get my neato advanced call, then I can upgrade to Extra, not
check the little box for a call change, and become YET ANOTHER VE :-)
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 7379001539034436837
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 20:54:03 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!cs.umn.edu!msi.umn.edu!src.honeywell.com!uwm.edu!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Re: (none) (really: STS35)
Message-ID: <1990Oct26.235403@envy.bellcore.com>
Date: 27 Oct 90 03:54:03 GMT
References: <1990Oct4.191850.24371@portia.Stanford.EDU> <4145@altos86.Altos.COM> <memo.468039@lynx.northeastern.edu> <45339@apple.Apple.COM> <1990Oct4.091518@ultnix.enet.dec.com> <1990Oct5.091219@ultnix.enet.dec.com> <1990Oct10.062659.26428@portia.Stanford.EDU>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 60
Posted: Sat Oct 27 04:54:03 1990

Regarding the scheduling of the STS-35 SAREX QSOs:

At the AMSAT annual meeting in Houston last weekend, Ron Parise (WA4SIR) explained in detail the reasons behind the choice of orbit for STS-35 and the timing of the SAREX QSOs. What follows is from memory, but I believe it to be accurate...

The payload capacity of the shuttle depends on the inclination of the orbit. Maximum capacity coincides with a due-east launch; since Cape Canaveral is at 28.5 degrees N longitude, this produces a 28.5 degree inclination orbit. Since there was no primary payload (ASTRO-1) requirement for a higher inclination, 28.5 degrees was chosen.

The orbital altitude is a tradeoff between "shuttle glow" (at lower altitudes) and free electron density (at higher altitudes). Shuttle glow occurs when the shuttle passes through and ionizes the rarified atmosphere at high altitudes; much of it is in the ultraviolet, and this generates an undesired background for the ultraviolet telescopes. Hence you want to go to a higher altitude. On the other hand, going higher (at the altitudes in question) results in a higher free electron flux, and this can interfere with the more radiation sensitive instruments on board. As a compromise, an altitude of 190 nautical miles (350 km) was chosen. [There's another consideration: the higher you go, the lower the shuttle's payload capacity. Ron didn't mention this one, so I assume it wasn't an important consideration.]

The time of launch (late night) was chosen such that passes over the South Atlantic Anomaly would occur in daylight. (The South Atlantic Anomaly is a region where the earth's radiation belts come unusually close to the surface as a consequence of the offset position of the earth's magnetic field). The trapped-particle radiation in the Anomaly cause upsets in the detectors, and it was felt that it would be better to have these occur during the daylight passes when observing would already be restricted by the presence of the sun (some observing can occur on the day side, but the telescopes must stay more than 45 degrees away from the sun). Night side passes will therefore yield prime viewing, uncontaminated either by sunlight or passage through the South Atlantic Anomaly.

The specific time of launch was chosen as the earliest time that there would be daylight at the trans-Atlantic abort sites in western Africa.

The time for Ron's in-person QSOs is restricted to the two hours before and the two hours after his 8-hour sleep periods. Since these have already been planned out well in advance, he has been able to determine where the shuttle will be during these intervals. Unfortunately, it won't be near the continental US. That's the reason for the inability to schedule real-time QSOs with schools (or other sites) in the US. The packet robot may be active during these times.

There's one more complication. The Astro-1 mission is a long one, and hydrogen and oxygen supplies for the fuel cells will be marginal. The SAREX payload was therefore a somewhat unwelcome addition to the shuttle's electrical loads. So it may not operate full time - even the packet robot may not be operating at certain times.

I suspect that more info may appear in upcoming AMSAT bulletins.

Phil

From -5769379200805182690
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9bb37c83a2a1f14e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 21:39:02 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Re: Number of hams RISING?
Keywords: ham census, ARRL
Message-ID: <1990Oct27.003902@envy.bellcore.com>
Date: 27 Oct 90 04:39:02 GMT
References: <425@ssc.UUCP>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 23
Posted: Sat Oct 27 05:39:02 1990

In article <425@ssc.UUCP>, tad@ssc.UUCP (Tad Cook) quotes K1ZZ:
|> The number of new licensees will exceed 26,000, a substantial

|> increase over the previous year. [...]
|>   Despite these figures, we're probably going to hear the
|> 'Amateur Radio is dying' refrain from some quarters. It will be
|> interesting to watch how the gloom-and-doom folks explain them
|> away."

The November 1990 QST (just arrived) lists 110 Silent Keys with US
callsigns. This appears to have been a slow-to-average month for that
column, but if you extrapolate that to the whole year, that's a
minimum of 1320 US hams dying each year. So that's a net growth in
1990 of not more than 24,680 amateurs. But more importantly, we have
no way of knowing how many other licenses would have expired in 1990
if it weren't for the change to 10-year license terms a few years
back. Nevertheless, even if you ignore that factor the annual growth
rate is no more than about 5%, a heckuva lot lower than the growth rate
in, say, cellular telephones.

Why, I even get a better rate of return than that on CDs at the
local bank... :-)

Phil

From 8273016120227165837
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9bb37c83a2a1f14e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-27 05:04:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!rutgers!cunixf.cc.columbia.edu!gp15
From: gp15@cunixf.cc.columbia.edu (Gerald Pulver)
Newsgroups: rec.ham-radio
Subject: Re: Number of hams RISING?
Keywords: ham census, ARRL
Message-ID: <1990Oct27.120439.10183@cunixf.cc.columbia.edu>
Date: 27 Oct 90 12:04:39 GMT
References: <425@ssc.UUCP> <1990Oct27.003902@envy.bellcore.com>
Organization: Columbia University
Lines: 22
Posted: Sat Oct 27 13:04:39 1990

In article <1990Oct27.003902@envy.bellcore.com>
karn@thumper.bellcore.com writes:

>The November 1990 QST (just arrived) lists 110 Silent Keys with US
>callsigns. This appears to have been a slow-to-average month for that
>column, but if you extrapolate that to the whole year, that's a
>minimum of 1320 US hams dying each year. So that's a net growth in
>1990 of not more than 24,680 amateurs. But more importantly, we have
>no way of knowing how many other licenses would have expired in 1990
>if it weren't for the change to 10-year license terms a few years
>back. Nevertheless, even if you ignore that factor the annual growth
>rate is no more than about 5%, a heckuva lot lower than the growth rate

>in, say, cellular telephones.
>
>Why, I even get a better rate of return than that on CDs at the
>local bank... :-)
>
>Phil

The Silent Keys column of QST should not be taken as a reliable indicator of the rate of mortality amongst amateur radio operators in general. No doubt MANY licensees expire without notice to the ARRL.

From 7506119160966873757
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d37ed42e96cad0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-27 06:54:16 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: VVV
Message-ID: <01.Nov.90.14:03:44.GMT.#3653@UK.AC.NWL.IA>
Date: 27 Oct 90 13:54:16 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Sat Oct 27 14:54:16 1990

VVV is often sent as an 'idle' message when a link is not being used to handle traffic. Coast stations that still use CW frequently send their callsign too; 'VVV de DHJ' for example.
Stations like this are a great way to pick up the code, as they repeat the same pattern for ages (so you get the rhythm of the letters).

RYRYRYRY is the RTTY test signal; worst combination of 0's and 1's for a mechanical Teletype(c) to reproduce; it was once possible to get a 'Telegraph distortion measuring set' that displayed a helical timebase with bright dots to represent the start & end of each element; you had to fiddle with the mechanics of the TTY to get all the dots lined up vertically on successive turns of the helix.... RYRY gives a nice cross on the old CRT-type tuning scopes. Unfortunately, such things have become largely obsolete, like the tuning-forks, spring tension-gages, feelers (and grease/oil!) that were needed to maintain the mechanical TTYs.
These TTY-maintenance toolkits were often beautifully presented in felt-lined inlaid hardwood cases... ITT-Creed, Teletype corp. etc. charged plenty for them too.
Another test often sent by CW operators (and many of the 'mechanical-CW' machines on the commercial bands) is just a single letter ('C' seems popular) repeated over and over.

Pete Lucas G6WBJ@GB7SDN.GBR.EU PJML@UK.AC.NWL.IA 0793-411613

```
From -8236624588959855868
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,803d1ddc17537e3b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,803d1ddc17537e3b,start
X-Google-Attributes: gidf5cc0,public
X-Google-Thread: fddbf,803d1ddc17537e3b,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-10-27 08:52:41 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!dali.cs.montana.edu!
masscomp!ocpt!tsdiag!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.space
Subject: * SpaceNews  29-Oct-90 *
Keywords: DOVE, PACSAT, OSCAR-13
Message-ID: <358@ka2qhd.UUCP>
Date: 27 Oct 90 15:52:41 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 135
Xref: gmdzi rec.ham-radio:16185 rec.ham-radio.packet:2966 sci.space:17036
Posted: Sat Oct 27 16:52:41 1990
```

SB SPACE @ ALLBBS < KD2BD $SPC1029
* SpaceNews 29-Oct-90 *

Bulletin ID: $SPC1029

SpaceNews

MONDAY OCTOBER 29, 1990

SpaceNews originates at KD2BD in Wall Township, New Jersey, United States.
It is published every week and is made available for unlimited distribution.

* DOVE NEWS *

The following message from N4HY was recently carried on DOVE-1/OSCAR-17:

DOVE-1>BRAMST <UI>:
The new file system will be loaded to PACSAT and BBS operations will commence in the next couple of days. Upon testing file system there, DOVE will be reloaded. This will occur next week. 73 de BM Oct. 18

* PACSAT NEWS *

The MicroSAT BBS has been tested on the ground engineering unit, and is now ready for uploading to AO-16. The satellite BBS software was written by Jeff Ward, G0/K8KA, at UoSAT and was ported to the microsats by NK6K. The porting was easily achieved, as there are only 10 lines of code that are different between the UoSAT version and the Microsat version. A lot of effort went into the design of the BBS, operating system, and other support code to make that possible. Once complete, the following elements will be available:

256k file system:

This is just half of one of the four available banks of bank switched memory. The more complete file system using all four banks and the 6MB mass memory will be uploaded after more testing.

FTL0 file server:

This implements the protocol described in the FTL0 document, available on CIS, the 9th ARRL Networking Conference proceedings, and elsewhere. It allows file uploading, downloading, and a simple directory display. It requires the use of software at the groundstation: a simple version, called "PG" has been written by Jeff and will be on CIS soon.

Broadcast server:

This implements the broadcast protocol as described along with FTL0 and has been running for several weeks on UO-14, and a few people have rolled their own receive program, at least one written in BASIC. A simple version, called "KISSUI" has been written by Jeff and will be on CIS soon.

After this is loaded, the following separate programs will be running on AO-16:

Kernel - Operating system - NK6K/Quadron
AX25 - AX25 driver - NK6K/WB6YMH/Quadron, pd on a KA9Q AX25 implementation.
PHT - Spacecraft control, power management & program loader - N4HY/NK6K
AARTD - AART driver - NK6K/WB6YMH
MFILE - File system - G0/K8KA/UoSAT
FTL0 - File upload/download - G0/K8KA/UoSAT
PBP - File broadcaster - G0/K8KA/UoSAT

[Story via OSCAR-11]

* OSCAR-13 NEWS *

Command Stations performed magnetorquing procedures near perigee of orbits on October 15-17. The new transponder schedule is as follows:

Mode-B : MA 000 to 095
Mode-JL: MA 095 to 125
Mode-LS: MA 125 to 130

Mode-S : MA 130 to 135
Mode-BS: MA 135 to 140
Mode-B : MA 140 to 256
Omnis : MA 220 to 040

This schedule is expected to continue throu 26-Dec-90. The spacecraft attitude is BLON = 180 and BLAT = 0.

* TNX QSL! *

A special thanks to all those who sent QSLs, cards and letters to SpaceNews:

NL7LL : Gary Freitag, Ketchikan, Alaska, U.S.A.
VE2HLT: Claude Pare', Sherbrooke, Quebec, Canada
4X4LF : Shlomo Goldstein, Negev, Israel

...and packet radio messages:

KE2UK : Ron in Brooklyn, New York, U.S.A.
WA2NDV: Frank in New York, New York, U.S.A.
KC3IL : Seth in Fairless Hills, Pennsylvania, U.S.A.
WD4BRP: Bill in King, North Carolina, U.S.A.
W7VME : Millard in North Bend, Washington, U.S.A.
WB7UBC: Greg Erk in Montrose, Colorado, U.S.A.
WT0N : BJ in St. Paul, Minnesota, U.S.A.
VE7GCT: Glenn in Victoria, British Columbia, Canada

* FEEDBACK WELCOMED *

Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

UUCP : kd2bd@ka2qhd.de.com
AMPR : KD2BD @ NN2Z.NJ.USA.NA

MAIL : John A. Magliacane
Department of Electronics Technology
Advanced Technology Center
Brookdale Community College
765 Newman Springs Road
Lincroft, New Jersey 07738
U.S.A.

<< If you like what you see, send us your QSL card! >>

/EX
--
John A. Magliacane FAX : (908) 747-7107
Electronics Technology Department AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College UUCP : ...!rutgers!ka2qhd!kd2bd

Lincroft, NJ 07738 USA   VOICE: (908) 842-1900 ext 607

From -1671587511930783432
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,83cb609c779f1467,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-27 10:18:42 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: arrl
Message-ID: <1861@n8emr.UUCP>
Date: 27 Oct 90 17:18:42 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 178
Posted: Sat Oct 27 18:18:42 1990

```
==============================================================
|         Relayed from packet radio via                      |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ ALLBBS $RTDX1026
RTTY DX Notes 1of3 10/26/90

RTTY DX Notes for week ending 26th October 1990
BID: $RTDX1026
Part 1 of 3.

Looking at the reports being received, indications are that the higher bands (21 and 28 MHz) are showing greater activity of late. Maybe it behoves us to pay more attention to these bands at the present, and in the future, it could prove interesting for the good DX.

Our thanks this week go to I5FLN and cluster, JA1BLV, OD5NG, TG9VT, UT5RP, VE3OCX, VK2EG, W6/G0AZT, W2JGR and the Tri-State DX Packet Cluster Network. Thank you all for your information. Unfortunately I could not use it all, but I hope that I have given you the best of it.

Bandpass:

Friday 19:

BY1QH	21087	at	0142Z
ZC4MK	28095	at	1527Z
UW3TT/UJ4J	21086	at	1529Z
JX9CAA	14087	at	1555Z
JY9SR	14088	at	1732Z

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EA8GS       21086  at  2306Z

Saturday 20:
FR5ZD       14071  at  0348Z  ARQ
UA3TT/RF1F  14085  at  0431Z  QSL
UO5OK       14089  at  0613Z
UT5RP       14075  at  0627Z  ARQ
UW3TT/UJ4J  21088  at  0647Z
FW1FM       14084  at  0730Z  QSL
UC2OF       21085  at  0950Z
Z21GU       28086  at  1714Z  QSL
UY5YB       14082  at  1912Z
TU2BB       14074  at  2358Z  ARQ

Continued in part 2.
/EX
SB RTTYDX @ ALLBBS $RTDX1026A
RTTY DX Notes 2of3  10/26/90

RTTY DX Notes for week ending 26th October 1990
BID: $RTDX1026A
Part 2 of 3.



Sunday  21:
ZK3KY       14081  at  0428Z  Note
RF1F/UA3TT  14085  at  0431Z
FR5DL       14074  at  0509Z  ARQ
5B4LSG/J    28093  at  0911Z  Note
9J2BO       28089  at  1318Z  QSL
J28TY       28089  at  1320Z
ZD7JAM      28087  at  1322Z  QSL/Note
Z21GU       28086  at  1417Z
V51P        28085  at  1502Z
TU2BB       28076  at  1804Z
5Z4BI       21081  at  2025Z
VP8BFH      21089  at  2042Z
5W1KT       28092  at  2333Z

Monday 22:
V31AR       14070  at  0615Z  ARQ
V73BN       14074  at  0647Z  ARQ
UW3TT/UJ4J  21084  at  1408Z
RA2FB       14091  at  1318Z  QSL
ZD8BOB      14074  at  1628Z  ARQ
3DA0BW      21083  at  1805Z  QSL
TU2BB       14074  at  2300Z  ARQ

Tuesday 23:
ZK3KY       28082  at  0955Z
9H4B        14074  at  0220Z  FEC
RB0HZ       14090  at  0600Z
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TA5KA       21085  at  0955Z
8P9HR       21084  at  1135Z
9J2BO       21088  at  1620Z
3DA0BX      21082  at  1811Z  QSL
ZD8BOB      21074  at  1846Z  ARQ
BV0GV       14083  at  1931Z
TY1PS       21074  at  2357Z  ARQ

Wednesday 24:
KP4DP       14086  at  0122Z
8P9HR       14084  at  0128Z
UT5RP       14074  at  0556Z ARQ
4U1ITU      14086  at  1441Z
5H3WL       28088  at  1824Z
V51P        21085  at  2120Z
CY9CF       14083  at  2241Z  QSL
TU2BB       14074  at  2336Z  ARQ

Thursday 25:
FK8BK       14072  at  0915Z
Z21GU       14086  at  1207Z
4U1ITU      14085  at  2245Z
CY9CF       14085  at  2358Z


Continued in part 3.
/EX
SB RTTYDX @ ALLBBS $RTDX1026B
RTTY DX Notes 3of3  10/26/90

RTTY DX Notes for week ending 26th October 1990
BID: $RTDX1026B
Part 3 of 3.


QSL Information:

All cards for UA3TT/whatever go to Box 18, Gorky 603000, USSR.

Z21GU says to QSL via callbook address.

FW1FM will QSL via Box 20, Futuna Island.

9J2BO QSL manager is W6ORD.

ZD7JAM and the scouts will QSL via Box 54, St Helena Island.

3DA0BW and 3DA0BX will QSL via Box 57, Big Bend, Swaziland.

RA2FB indicates that Box 261, Sovetsk, 238700 USSR is his QSL address.

CY9CF says to QSL via Box 4204, F-97500, St Pierre Et Miquelion Island
via Canada.
```

Notes Of Interest:

OH2BGD reports that he will be QRV from PJ9W after the CQWW Contest. He will operate RTTY on 28, 21 and 14 MHz, usual frequencies.

HK0TU should show up around 3rd November all bands 1.8 to 28 MHz, QSL via HK3DDD.

ZK3KY says that she will operate from T33 (Banaba), maybe this week. Also OH2BH will operate from Banaba with the call of T33T from 7th November to 21st November. QSL to OH3GZ.

CE0ZZZ is still expected mid November according to F2JD, who will be the operator.

ZD7JAM and 5B4LSG/J were Jamboree stations, but they still count as new countries.

And now for the Rumor Department. WA4JQS has been quoted as saying that the VP8SSI and VP8SGI DXpedition has been postponed, because of the Middle East crisis and the high cost of fuel. Maybe they will try for somewhere else later.

Also it is believed that XU land may be activated in the foreseeable future. Keep your fingers crossed.

GL DE DX1 (VK2SG) AT TG9VT.

Written by VK2SG. Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA.
Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From 1012001933434777221
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,50868ee500bd365c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-27 10:21:07 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!cs.umn.edu!ub.d.umn.edu!rutgers!ucsd!ucbvax!ALF.UNOMAHA.EDU!pschleck
From: pschleck@ALF.UNOMAHA.EDU (Paul Schleck)
Newsgroups: rec.ham-radio
Subject: Re: privacy, was CBS . . .
Message-ID: <9010271721.AA17354@alf.unomaha.edu>
Date: 27 Oct 90 17:21:07 GMT
Sender: daemon@ucbvax.BERKELEY.EDU

Lines: 44
Posted: Sat Oct 27 18:21:07 1990

Newsgroups: rec.ham-radio
Subject: Re: privacy, was CBS . . .
References: <9010161525.AA17899@lonex4.radc.af.mil> <35000@cup.portal.com>

In <35000@cup.portal.com> onymouse@cup.portal.com (John - DeBert) writes:

>>Anybody who would put a transmitter in their house (baby monitors), cordless
>>phones, or use cellular, should realize that they are "transmitting".
>>
> People who are not initiated into the nature of radio find it inconceivable
> that >>ANYONE<< can tune into their cordless phones, et cetera. They seem
> to believe that there is some magical, invisible cable connecting the sets
> together and that it is just like a regular phone wire - only invisible!
>
> How do you educate them - gently?

>jd
>onymouse@netcom.UUCP
>   @cup.portal.com

Well, it certainly won't be CBS or the manufacturers of cellular phones who will be informing them, that's for sure!

The ECPA was a handout to the cellular industry to give them a law that they could point to and say ,"Gosh, Mr. Consumer, how can the phone be tapped, it's ILLEGAL!"

I note with interest that the Radio Shack series of scanners locks out cellular phones, but it does not lock out several other frequency ranges also off limits by the ECPA. Hmm, wonder why that is? Could it be that they make a lot of money selling cellular phones that could be affected by scanners that can receive them???

NAAAAHHHH!!!!

By the way, thanks for the E-mail responses to my inquirey about the Student Information Net. Respondents please realize that fs024 never was my account. My E-mail account is given below.

73, Paul, KD3FU

pschleck@alf.unomaha.edu

From 1289133325049411252
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20b648d13d40bab8,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-10-27 10:37:11 PST
Path: gmdzi!unido!mcsun!ukc!reading!cf-cm!csisles!raina
From: raina@CompSci.Bristol.AC.UK (Sanjay Raina)
Newsgroups: rec.ham-radio
Subject: Magnetic Loop Antennas
Message-ID: <1594@csisles.Bristol.AC.UK>
Date: 27 Oct 90 17:37:11 GMT
Organization: Dept of Computer Science, University of Bristol, UK.
Lines: 28
Posted: Sat Oct 27 18:37:11 1990

I have come across a glossy flier on an HF Magnetic loop antenna manufactured in the UK by CAP. CO Electronics.
Among the features claimed are :-

* SWR of 1.4 to 1 at the very least, 1.1 to 1 on most bands.
* doesn't require an ATU.
* occupies only 80cm to 4m of space
* bandwidth from 3kHz ro 50kHz.
* very pricey, around $600.
* ...

Being a flat-dweller and rather unsettled (I tend to change flats very frequently), it seems to be ideal for DXing, which I miss at the moment. CAP. CO claims that as compared to a beam 60 to 80 ft long, thir antenna is only 1 to 1.5 S units down on 20/15/10 metres.

Is there anyone out there who has had the (dis/)pleasure of using one of these? If so I would very much like to hear you experiences.

Tnx, 73's

Sanjay Raina (G0MOO)

Dept. of Computer Science
University of Bristol
BRISTOL, England (U.K.)

raina@compsci.bristol.ac.uk

From -1522219849687517012
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-27 11:57:05 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!asuvax!noao!arizona!naucse!rrw
From: rrw@naucse.cse.nau.edu (Robert Wier)
Newsgroups: rec.ham-radio
Subject: Re: Antenna Restrictions
Message-ID: <2755@naucse.cse.nau.edu>
Date: 27 Oct 90 18:57:05 GMT

References: <204646@<1990Oct17> <30500811@ux1.cso.uiuc.edu> <174@km4ba.UUCP>
<7710@dog.ee.lbl.gov>
Organization: Northern Arizona University, Flagstaff AZ
Lines: 27
Posted: Sat Oct 27 19:57:05 1990

In article <7710@dog.ee.lbl.gov>, biocca@bevb.bev.lbl.gov (Alan Biocca) writes:
>
> We recently bought a 30 year old house in a subdivision. There definitely
> were covenants that could be binding on us, and we only got copies of them
> by specifically inquiring and making inspection a condition of sale. The
> realtor was surprised -- she had never had customers ask for them before.
> Perhaps the regulations concerning sale of property should require that
> each clause of such restrictions be individually disclosed and initialled
> by the buyer -- maybe there would be fewer restrictions if the developer
> knew the buyer was going to have to inspect them -- that could give a
> less restrictive subdivision a sales advantage.

Not a bad idea. When I bought my current - 1 house back in Texas,
I knew at the time I bought it that I wanted to put in a satellite
dish (cable hadn't reached there yet). So I made it a condition
of the sale that all restrictions and covenants were to be supplied,
and if there had been any antenna/dish restriction applied to the
property anywhere & anytime the sale would be void at my option.

- Bob Wier

-------------- insert favorite standard disclaimers here ----------
College of Engineering
Northern Arizona University / Flagstaff, Arizona
Internet: rrw@naucse.cse.nau.edu | BITNET: WIER@NAUVAX | WB5KXH
or uucp: ...arizona!naucse!rrw

From -4313312615860171403
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-27 12:14:37 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!shelby!portia.stanford.edu!
jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Oct27.191437.2341@portia.Stanford.EDU>
Date: 27 Oct 90 19:14:37 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct24.200305.9402@athena.mit.edu> <9217@b11.ingr.com>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 13
Posted: Sat Oct 27 20:14:37 1990

In article <9217@b11.ingr.com> herbster@b11.ingr.com (Joe Herbster) writes:
>1) EFFICIENT. CW is conservative of band spectrum. CW is "THE" QRP
>   mode. CW is "fault-tolerant" as a digital mode. The good
>   old gray-matter processor still beats the best CPU algorithm
>   ever written for pulling meaning out of the mud.

I think this fallacy has been beat on enough times, but CW is neither
spectrally efficient nor as fault tolerant as the DSP based data modes.
Frankly, it isn't that much more efficient than SSB, and the advantage in
a Rayleigh fading environment is questionable.

-=Paul Flaherty, N9FZX | Life is an inherent shift - reduce conflict.
->paulf@shasta.Stanford.EDU |

From -5871710855066773205
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32f6ce9c97eeab06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-27 12:23:29 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!agate!shelby!
portia.stanford.edu!jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: So Cal repeater stats (Really: Closed Repeaters)
Message-ID: <1990Oct27.192329.2707@portia.Stanford.EDU>
Date: 27 Oct 90 19:23:29 GMT
References: <21168@ucsd.Edu> <30500824@ux1.cso.uiuc.edu>
<1990Oct24.195436.645@portia.Stanford.EDU>
<1990Oct26.224524.27747@ux1.cso.uiuc.edu>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 32
Posted: Sat Oct 27 20:23:29 1990

In article <1990Oct26.224524.27747@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil
Howard KA9WGN) writes:
>Icom does make that repeater available with a 12 MHz split.

Hmmm.. Not according to the schematic I have in front of me. But, they may
have added that later as an option...

>When I visited 6 land, I found FAR LESS usage of all the repeaters. I guess
>everyone was hiding on the closed repeaters and simplex frequencies.

It really depends on the individual repeater, but on most of the 2m machines
out here, you can find someone yacking away at just about any hour of
the day or night.

>PL/CTCSS does not consitute a closed repeater.

Only if you have a copy of the repeater directory. But frankly, I consider

PL to be good engineering practice, in any event.

>An "open" repeater does not mean there cannot be access controls. You can
>put on those controls, and then tell MOST people how to access. Just don't
>tell the BOZO's. Of course CTCSS is not it.

...but that's closing the repeater, Phil!

>With the above definition of "open", I would suggest amending the band plan
>to provide for some portion of the repeater segment to be "all open only".

No problem. Only, don't gripe if the "local option" promply ignores that
suggested bandplan..

-=Paul Flaherty, N9FZX | Life is an inherent shift - reduce conflict.
->paulf@shasta.Stanford.EDU |

From -6075806733331947397
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d37ed42e96cad0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-27 13:04:00 PST
Path: gmdzi!unido!mcsun!uunet!know!cs.utexas.edu!asuvax!noao!arizona!naucse!rrw
From: rrw@naucse.cse.nau.edu (Robert Wier)
Newsgroups: rec.ham-radio
Subject: Re: VVV
Message-ID: <2756@naucse.cse.nau.edu>
Date: 27 Oct 90 20:04:00 GMT
References: <33914@nigel.ee.udel.edu> <7880329@hpfcdc.HP.COM>
Organization: Northern Arizona University, Flagstaff AZ
Lines: 21
Posted: Sat Oct 27 21:04:00 1990

In article <7880329@hpfcdc.HP.COM>, perry@hpfcdc.HP.COM (Perry Scott) writes:
> Re: VVV
>
> I think it was used at one time for calibrating RTTYs. I suppose it
> helps CW listeners calibrate, too.
>
> Perry/KF0CA

Sorry - "RY" was used in the old time Teletypes (trademark). It gave
you an alternating bit sequence in the Baudot code. Note sure why
cw uses "V"? (maybe as a procedural sign ST? Send Test?)

- Bob Wier

-------------- insert favorite standard disclaimers here ----------
College of Engineering
Northern Arizona University / Flagstaff, Arizona

```
  Internet: rrw@naucse.cse.nau.edu | BITNET: WIER@NAUVAX | WB5KXH
           or   uucp:  ...arizona!naucse!rrw
```

```
From 3818983049716537344
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32f6ce9c97eeab06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-27 13:24:04 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!uwm.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: So Cal repeater stats (Really: Closed Repeaters)
Message-ID: <1990Oct27.202404.9819@ux1.cso.uiuc.edu>
Date: 27 Oct 90 20:24:04 GMT
References: <21168@ucsd.Edu> <30500824@ux1.cso.uiuc.edu>
<1990Oct24.195436.645@portia.Stanford.EDU>
<1990Oct26.224524.27747@ux1.cso.uiuc.edu>
<1990Oct27.192329.2707@portia.Stanford.EDU>
Organization: University of Illinois at Urbana
Lines: 62
Posted: Sat Oct 27 21:24:04 1990
```

paulf@jessica.stanford.edu (Paul Flaherty) writes:

>>An "open" repeater does not mean there cannot be access controls. You can
>>put on those controls, and then tell MOST people how to access. Just don't
>>tell the BOZO's. Of course CTCSS is not it.

>...but that's closing the repeater, Phil!

Either there is more than one kind of "open" (the way I think of it) or there is more than one kind of closed. I will described FOUR kinds of repeaters and let YOU label the MIDDLE two:

1. This repeater can be used by anyone. There are no access mechanisms of any kind. If you transmit on the input, the repeater will bring up its transmitter and retransmit your audio.

2. The owner(s)/operator(s) have indicated that anyone may use this repeater despite the fact that it has access control mechanisms such as CTCSS and/or DTMF. The CTCSS tone frequency and/or the DTMF access code sequence are published for anyone to obtain and are freely spoken over the repeater itself.

3. The owner(s)/operator(s) have indicated that anyone may use this repeater unless they prove to be a serious nuisance by means of poor operator practice, or operate illegally using the repeater. The access mechanisms are periodically changed at regular intervals and also when a serious violation occurs. The users are informed of the changes by other means. If DTMF access is used, it might even be the case that each user has a DIFFERENT access code.

4. The owner(s)/operator(s) discourage anyone but a limited group to use this repeater, and have in place effective access mechanism to prevent ordinary amateur radio operators from being able to achieve access to the repeater. Membership is the groups is also controlled. I am not attempting to distinguish why this repeater is this way.

Now let's label these. I have insert my *GUESS* as to what N9FZX would label them as. Please correct me if I am wrong. If there are other examples of repeater situations you believe need to be labeled, by all means mentioned them; I know there are others.

	KA9WGN	N9FZX
1.	open	open
2.	open	?
3.	open	?
4.	closed	closed

>No problem. Only, don't gripe if the "local option" promply ignores that
>suggested bandplan..

I believe that once a frequency is coordinated in terms of interference avoidance to a particular local area, the actual USE of that coordination, i.e. to whom/what it is "assigned" should be decided upon by ONLY the hams, and by ALL the hams affected, in the local area. If they decide later that this assignment should CHANGE, the wider coordinating body that determines the interference and other technical aspects of the coordination would have nothing to do with the changes (besides record them for contact purposes).
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 5599524267451921733
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1d698272e6cae3ec,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-27 13:30:15 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!atha!aupair.cs.athabascau.ca!rwa
From: rwa@cs.athabascau.ca (Ross Alexander)
Newsgroups: rec.ham-radio
Subject: Re: Code & Other requirements
Message-ID: <391@aupair.cs.athabascau.ca>
Date: 27 Oct 90 20:30:15 GMT
References: <9010231256.AA05779@lonex4.radc.af.mil>
Organization: Athabasca University
Lines: 30
Posted: Sat Oct 27 21:30:15 1990

szarekw@LONEX.RADC.AF.MIL (William J. Szarek) writes:

>Julian N6ARE writes:
>>I am a no-coder, and what many people seem to have trouble grasping is that
>>we don't wish to ban or negate Morris [sic]. It is not the reason I became
>>a ham.
>I bet you became a ham so you could play with big lin-yers that were "bootleg"
>on the CB. :-)
>[really heavy handed sarcasm about spelling omitted]

Oh come on, lighten up. Yes I see the smiley, but you're being pretty
patronizing. The man said a Morse endorsment was irrelevant to doing
RTTY with his C64 (an opinion I share). Get a grip... and moaning
about other people's spelling isn't really helping your cause. So he
can't spell; at least he can construct a rational arguement. Ad hominem
attacks are the tactic of someone who can't.

For what it's worth, I wrote (and passed, thanks be to the NetGhods)
my first Morse element yesterday afternoon. I'm not suddenly filled
with a wild desire to pound brass. I *will* do it though, so I can
pass my second Morse element. Maybe in time I will come to enjoy it.
I don't know yet. But it sure is coercion, it meets every criterion
for that label.

Yours for private choice, whatever that may be (and there's nothing
wrong with using and enjoying A1, I greatly respect it as a neat
skill *for those who want to use it*, it's just that the proficiency
requirement is arbitrary).
--
--
Ross Alexander   rwa@cs.athabascau.ca   (403) 675 6311   ve6pdq

From 3395256220924739118
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3328cb8f55165106,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-27 14:19:29 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!ousrvr!ousrvr!luru
From: luru@stekt.oulu.fi (Ari Husa OH8NUP)
Newsgroups: rec.ham-radio
Subject: Repeaters
Message-ID: <LURU.90Oct27221929@stekt.oulu.fi>
Date: 27 Oct 90 21:19:29 GMT
Sender: news@ousrvr.oulu.fi
Organization: The Buffalo Club
Lines: 30
Posted: Sat Oct 27 22:19:29 1990

I am not all that familiar with the repeater system (frequency
allocations, ownership, etc.) in the U. S.

I am especially puzzled with the concept of "open" and "closed"
repeaters and how the latter fits in the picture of amateur radio. Can
someone please clarify this terminology for me?

As far as I understand it, there are a multitude of "private" repeaters. What's the point in having a dozen repeaters in a questionable QTH (and limited range) in comparison to ONE good repeater in a high (broadcast) tower or similar? Or ARE they actually all that good?

What would you say is an average working range of a typical repeater in Ohio, or any other place with flat terrain?

In here, ALL repeaters are club-owned and completely unrestricted for any user. There are currently seven (7) allocated repeater channels on 2 meters (145.600 - 145.775, 25 MHz raster) and they seem to be enough.

Am I missing something here?

Thanks,

Luru

```
--
     ///
     o-o    Ham Radio Operators Do It In Higher Frequency
      o
```

From -8654909084829440752
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e48620972de62e37,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-27 14:21:47 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9010272121.AA13634@blackbird.afit.af.mil>
Date: 27 Oct 90 21:21:47 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 489
Posted: Sat Oct 27 22:21:47 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

- Current NASA Prediction Bulletins #763 -
Alouette 1

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1 00424U 62B-A  1 90297.12181902  .00000242  00000-0  28031-3 0  3451
2 00424  80.4648 158.9603 0023114 303.7491  56.1455 13.67405298400311
ATS 3
1 03029U 67111  A 90295.26382796 -.00000075  00000-0  99999-4 0  4344
2 03029  13.3662  20.1256 0017693 211.8584 148.0133  1.00272498 84069
Cosmos 398
1 04966U 71 16  A 90299.27570580  .00094272  18331-4  48488-3 0  1602
2 04966  51.5112 265.0193 2190578  38.1738 335.5562 11.23894200606315
Starlette
1 07646U 75010  A 90294.67499762 -.00000041  00000-0  15309-4 0  1024
2 07646  49.8262  19.3750 0206152 248.8600 109.0149 13.82143071793277
LAGEOS
1 08820U 76039  A 90294.16463833  .00000004  00000-0  00000 0 0  1110
2 08820 109.8644  38.2724 0044704 211.4737 148.3245  6.38664751 81981
GPS-0001
1 10684U 78020  A 90295.58119886  .00000006  00000-0  99999-4 0  5189
2 10684  63.7962  85.6345 0122566 197.9599 161.6042  2.00555289 78401
GPS-0002
1 10893U 78 47  A 90294.07101266 -.00000024  00000-0  00000 0 0  2443
2 10893  64.3336 326.5254 0165827  24.4438 336.3993  2.00540087 91191
GOES 3
1 10953U 78062  A 90295.57837307  .00000116  00000-0  99999-4 0  9645
2 10953   7.2473  64.8519 0008908  92.2215 267.9887  1.00293013  5979
SeaSat 1
1 10967U 78064  A 90296.02870682  .00001628  00000-0  60255-3 0  3944
2 10967 108.0162 224.0521 0001690 340.1419  19.9759 14.35946235644801
GPS-0003
1 11054U 78093  A 90294.34136012 -.00000023  00000-0  00000 0 0  2686
2 11054  63.8453 322.7319 0060698 120.5551 240.1008  2.00569040 88217
Nimbus 7
1 11080U 78098  A 90297.26211159  .00000140  00000-0  15666-3 0  6984
2 11080  99.1827 199.1728 0009678  96.5384 263.6876 13.83468700605885
GPS-0004
1 11141U 78112  A 90296.44410849  .00000006  00000-0  00000 0 0    61
2 11141  63.8330  85.4854 0058952 314.3920  45.1272  2.00552078 86956
GPS-0005
1 11690U 80 11  A 90293.59327540  .00000007  00000-0  00000 0 0   183
2 11690  64.2385  87.7241 0119252 202.1330 157.3375  2.00554270 92756
GPS-0006
1 11783U 80 32  A 90293.39984708 -.00000023  00000-0  99999-4 0  2194
2 11783  63.6477 322.2913 0150790  59.9653 301.5869  2.00560520 76832
GOES 5
1 12472U 81049  A 90298.42405672 -.00000003  00000-0  99999-4 0  9887
2 12472   3.7830  73.7825 0000304 147.9392 212.4895  1.00204313 33532
SME
1 12887U 81100  A 90297.19382786  .00100772  00000-0  10631-2 0  8693
2 12887  97.6176 353.3998 0002148 179.9600 180.1623 15.63902275501334
Salyut 7
1 13138U 82 33  A 90297.72347704  .00106892  00000-0  59103-3 0  5727
2 13138  51.6020   2.5406 0003101  15.3953 344.7024 15.78780246485201
Cosmos 1383
1 13301U 82 66  A 90295.82108222  .00000124  00000-0  13371-3 0  6026
2 13301  82.9324 207.2210 0026954 166.2130 193.9770 13.67855075415123
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LandSat 4
1 13367U 82 72  A 90297.22536681  .00001458  00000-0  33301-3 0  4973
2 13367  98.1518 357.1215 0004657  87.7420 272.4315 14.57177130440095
IRAS
1 13777U 83  4  A 90298.53184776  .00000074  00000-0  63524-4 0  8207
2 13777  99.0159 133.2827 0012691  32.3679 327.8265 13.98829010 65167
Cosmos 1447
1 13916U 83 21  A 90295.99126856  .00000147  00000-0  14359-3 0  7440
2 13916  82.9429 277.5719 0038593 141.4202 218.9738 13.74070329380225
TDRS 1
1 13969U 83 26  B 90297.56344539  .00000128  00000-0  99999-4 0  1164
2 13969   4.7842  64.6187 0003320 159.0856 200.9610  1.00273348   645
GOES 6
1 14050U 83 41  A 90294.50707462  .00000114  00000-0  99999-4 0  2652
2 14050   2.5458  76.5501 0005014  39.0097 321.3712  1.00283146  1418
OSCAR 10
1 14129U 83 58  B 90294.89238027 -.00000024  00000-0  00000 0 0  5558
2 14129  26.0696 178.8613 5956963 186.0050 160.8592  2.05880717 27340
GPS-0008
1 14189U 83 72  A 90295.33182767  .00000005  00000-0  99999-4 0  8404
2 14189  63.4224  83.8910 0147739 220.0751 138.8257  2.00699949 53317
LandSat 5
1 14780U 84 21  A 90297.25470800 -.00000594  00000-0 -12685-3 0  3593
2 14780  98.1912 355.2979 0001023 126.6025 233.5273 14.57109337353512
UoSat 2
1 14781U 84 21  B 90297.12260385  .00002090  00000-0  39125-3 0  8027
2 14781  97.9370 345.3899 0011964 195.3256 164.7611 14.65804274354853
GPS-0009
1 15039U 84 59  A 90297.49472060  .00000004  00000-0  00000 0 0   661
2 15039  63.1519  82.9840 0023047 222.7599 137.0623  2.00567908 46636
Cosmos 1574
1 15055U 84 62  A 90296.57503736  .00000133  00000-0  13167-3 0  9615
2 15055  82.9578 327.6723 0027491 329.6072  30.3496 13.73385018317699
GPS-0010
1 15271U 84 97  A 90294.44463197 -.00000023  00000-0  00000 0 0  9104
2 15271  63.1503 321.7629 0108454 327.9415  31.4587  2.00560529 43687
Cosmos 1602
1 15331U 84105  A 90297.88944337  .00003003  00000-0  40509-3 0  3737
2 15331  82.5304 240.6300 0020941 269.2271  90.6572 14.78726370327250
NOAA 9
1 15427U 84123  A 90298.23505248  .00000586  00000-0  33719-3 0  6334
2 15427  99.1738 301.1358 0015292   7.8070 352.3335 14.12709957302341
Cosmos 1686
1 16095U 85 86  A 90298.86276452  .00082520  00000-0  45427-3 0  7907
2 16095  51.6031 356.6455 0003476  15.8664 344.3138 15.78981219485388
GPS-0011
1 16129U 85 93  A 90294.66469457  .00000005  00000-0  00000 0 0  5939
2 16129  63.9500  84.1482 0124651 148.3152 213.1174  2.00564380 36897
Mir
1 16609U 86 17  A 90298.16605515  .00042352  00000-0  53598-3 0   115
2 16609  51.6118  35.6103 0032473 177.3952 182.7159 15.58426738268409
SPOT 1
1 16613U 86 19  A 90296.66403308  .00000733  00000-0  36218-3 0  1322
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2 16613  98.7231   9.3701 0001158 143.9163 216.2006 14.20043607 82162
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2 16881  82.5117 299.0011 0020911 288.8471  71.0460 14.78260611228391
EGP
1 16908U 86 61  A 90294.01418785  .00000006  00000-0  34794-3 0  2521
2 16908  50.0106 229.1706 0010974 152.3929 207.7555 12.44390259190524
NOAA 10
1 16969U 86 73  A 90294.56796487  .00000630  00000-0  29201-3 0  4790
2 16969  98.5870 319.6404 0012480 260.8550  99.1217 14.23770079212596
MOS-1
1 17527U 87 18  A 90295.60716395  .00000163  00000-0  14684-3 0  6711
2 17527  99.0995   6.4574 0001177 113.8614 246.6237 13.94882190187024
GOES 7
1 17561U 87 22  A 90298.18188412 -.00000093  00000-0  99999-4 0  6113
2 17561   0.0737  42.1332 0075431  72.4331 246.3318  1.00205740  6871
Kvant-1
1 17845U 87 30  A 90298.67896138  .00176347  00000-0  21490-2 0  2954
2 17845  51.6168  33.0375 0036231 188.3641 171.3502 15.58597223203215
DMSP B5D2-3
1 18123U 87 53  A 90297.18217831  .00000000  00000-0  99999-5 0  7398
2 18123  98.8123 126.0606 0014722  20.1925 339.9832 14.14192608172636
RS-10/11
1 18129U 87 54  A 90298.91584466  .00000260  00000-0  27407-3 0  3632
2 18129  82.9260 231.9270 0013283 114.1080 246.1505 13.72119878167370
Meteor 2-16
1 18312U 87 68  A 90296.17514607  .00000220  00000-0  18868-3 0  5063
2 18312  82.5597 188.8538 0010891 255.1548 104.8430 13.83691209160686
Meteor 2-17
1 18820U 88  5  A 90296.84809589  .00000239  00000-0  20372-3 0  3712
2 18820  82.5411 248.1662 0016292 328.9419  31.0779 13.84380948137980
DMSP B5D2-4
1 18822U 88  6  A 90297.22089643  .00000655  00000-0  31608-3 0  6662
2 18822  98.6216 173.4606 0005630 255.9835 104.0709 14.21605665141152
Glonass 34
1 19163U 88 43  A 90296.25418543  .00000020  00000-0  99999-3 0   149
2 19163  64.9127 154.8257 0007124 184.2306 175.8550  2.13102514 18875
Glonass 36
1 19165U 88 43  C 90296.31125700  .00000020  00000-0  99999-4 0   161
2 19165  64.8971 154.8257 0003598 347.3339  12.7499  2.13102814 18876
AO-13
1 19216U 88 51  B 90285.55558503 -.00000132  00000-0  99999-4 0  1506
2 19216  56.9677 131.3556 7041877 237.6838  35.4920  2.09702865 17860
OKEAN 1
1 19274U 88 56  A 90295.81155545  .00004266  00000-0  59199-3 0  9656
2 19274  82.5168  40.1662 0023470  66.6697 293.7177 14.77551519123760
Meteor 3-2
1 19336U 88 64  A 90296.66591068  .00000067  00000-0  15651-3 0  6019
2 19336  82.5472 186.5334 0017997 355.7685   4.3307 13.16903213107862
Glonass 39
1 19503U 88 85  C 90297.26928502 -.00000016  00000-0  99999-4 0  8994
2 19503  65.3685  34.2642 0006490 184.9243 175.0951  2.13103506 16381
NOAA 11
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1 19531U 88 89  A 90299.14701505  .00000748  00000-0  43039-3 0  3607
2 19531  98.9979 247.6918 0011203 276.4180  83.5721 14.11769700107442
TDRS 2
1 19548U 88 91  B 90293.40456092  .00000114  00000-0  99999-4 0  1577
2 19548   0.4230  82.4081 0002990 141.3999 135.9901  1.00275590  1511
Glonass 40
1 19749U 89  1  A 90296.84109156  .00000020  00000-0  99999-4 0  7357
2 19749  64.8544 154.4784 0005103 274.2201  85.8118  2.13102163 13906
Glonass 41
1 19750U 89  1  B 90296.89931916  .00000020  00000-0  99999-4 0  7418
2 19750  64.8788 154.4953 0005268 249.3863 110.6431  2.13102266 13904
GPS BII-01
1 19802U 89 13  A 90233.24152199  .00000016  00000-0  99999-4 0  1540
2 19802  55.0484 194.8560 0052488 166.0565 194.0528  2.00648564 11058
Akebono
1 19822U 89 16  A 90295.96956845  .00036202  00000-0  23006-2 0  7874
2 19822  75.0961 175.9869 4147497 140.0007 259.5195  7.16854730  8954
Meteor 2-18
1 19851U 89 18  A 90296.56433264  .00000191  00000-0  16196-3 0  3417
2 19851  82.5149 126.1906 0015376   9.2945 350.8487 13.84020350 83328
MOP-1
1 19876U 89 20  B 90295.91648703  .00000016  00000-0  99999-4 0  1463
2 19876   0.0271 261.3235 0003245 326.8143 131.8278  1.00271762  1946
TDRS 3
1 19883U 89 21  B 90285.05717295 -.00000236  00000-0  99999-4 0  1576
2 19883   0.4476  83.4923 0002993 155.4629 121.0385  1.00265607 76062
GPS BII-02
1 20061U 89 44  A 90294.36031910 -.00000033  00000-0  99999-4 0  1562
2 20061  54.8191  10.6946 0091283 178.5190 181.6270  2.00481862 10028
Nadezhda 1
1 20103U 89 50  A 90296.66561856  .00000136  00000-0  13466-3 0  2207
2 20103  82.9609 190.2862 0039349  40.6822 319.7263 13.73619986 65353
GPS BII-03
1 20185U 89 64  A 90259.31961858  .00000016  00000-0  99999-4 0  1458
2 20185  54.9361 194.7111 0023376 150.4514 209.6604  2.00581297  7896
GPS BII-04
1 20302U 89 85  A 90283.19625304 -.00000044  00000-0 -58444 2 0  1425
2 20302  54.5568 312.3734 0033368 315.2506  44.5297  2.00366014  7178
Meteor 3-3
1 20305U 89 86  A 90296.56670929  .00000052  00000-0  11961-3 0  2318
2 20305  82.5545 127.4796 0017260  11.0156 349.1376 13.15866511 47839
COBE
1 20322U 89 89  A 90293.52455179  .00000723  00000-0  48992-3 0  1836
2 20322  99.0236 302.5846 0008773  25.1617 334.9976 14.02900946 47068
Kvant-2
1 20335U 89 93  A 90298.67900615  .00086339  00000-0  10779-2 0  4219
2 20335  51.6127  33.0410 0031606 180.4463 179.4536 15.58513886 52147
GPS BII-05
1 20361U 89 97  A 90290.77394681  .00000014  00000-0  99999-4 0   928
2 20361  54.9776 135.4633 0063087  56.8263 303.8533  2.00587873  6181
SPOT 2
1 20436U 90  5  A 90296.62899151  .00000743  00000-0  36722-3 0  3784
2 20436  98.7223   9.3998 0000980  71.8122 288.3153 14.20040360 38971
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1 20437U 90  5  B 90297.24882574  .00000676  00000-0  28451-3 0  2183
2 20437  98.6913  12.9248 0010938 133.4532 226.7591 14.28762279 39295
UO-15
1 20438U 90  5  C 90293.23483277  .00000504  00000-0  21707-3 0  1283
2 20438  98.6928   8.8830 0010485 145.0366 215.1506 14.28459268 38719
PACSAT
1 20439U 90  5  D 90295.40866860  .00000686  00000-0  28772-3 0  1187
2 20439  98.6962  11.2732 0012174 140.2587 219.9521 14.28860107 39039
DO-17
1 20440U 90  5  E 90298.76145340  .00000792  00000-0  32922-3 0  1308
2 20440  98.6957  14.6346 0012415 130.7574 229.4687 14.28921033 39519
WO-18
1 20441U 90  5  F 90296.64163114  .00000673  00000-0  28191-3 0  1214
2 20441  98.6960  12.5553 0012965 137.3260 222.8933 14.29001556 39214
LO-19
1 20442U 90  5  G 90297.11848910  .00000788  00000-0  32645-3 0  1252
2 20442  98.6941  13.0586 0013215 135.5831 224.6414 14.29074150 39280
GPS BII-06
1 20452U 90  8  A 90231.96552739  .00000002  00000-0  99999-4 0   858
2 20452  54.5203 253.3822 0028572  40.8909 319.3724  2.00872044  4126
MOS-1B
1 20478U 90 13  A 90295.20700302  .00000714  00000-0  55725-3 0  4144
2 20478  99.1796   4.8189 0001229  81.3427 278.7196 13.94855017 35846
DEBUT
1 20479U 90 13  B 90296.97420790  .00000028  00000-0  11145-3 0  1132
2 20479  99.0260 319.1041 0541460 116.7580 248.9967 12.83162934 33265
FO-20
1 20480U 90 13  C 90296.97855528  .00000077  00000-0  22052-3 0  1082
2 20480  99.0259 319.1034 0541648 116.8206 248.9305 12.83151877 33261
MOS-1B R/B
1 20491U 90 13  D 90295.08328803  .00000647  00000-0  12652-2 0  1274
2 20491  99.0278 324.8056 0471571  93.8949 271.6205 13.02754918 32927
LACE
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2 20496  43.0964 331.6481 0014812  77.5131 282.7289 15.12349074 38167
RME
1 20497U 90 15  B 90296.34233650  .00018969  00000-0  47858-3 0  2956
2 20497  43.0808 283.8128 0016737  98.6016 261.6720 15.39379745 38562
Nadezhda 2
1 20508U 90 17  A 90296.53960122  .00000192  00000-0  19417-3 0  1928
2 20508  82.9541 325.2768 0044810 351.1941   8.8433 13.73241443 32621
OKEAN 2
1 20510U 90 18  A 90295.87193363  .00002942  00000-0  44706-3 0  2995
2 20510  82.5282 340.1047 0018355 217.4220 142.5700 14.73667591 34876
INTELSAT-6
1 20523U 90 21  A 90297.53611902  .00007081  00000-0  49828-3 0  3408
2 20523  28.3401 135.8121 0015684 130.9592 229.2591 15.03085945 33923
GPS BII-07
1 20533U 90 25  A 90294.05687607 -.00000033  00000-0  00000 0 0   630
2 20533  55.1450  10.8449 0034235 102.6965 257.7562  2.00556242  4124
PegSat
1 20546U 90 28  A 90299.52780864 -.00000719  00000-0 -42284-4 0  2654
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2 20546  94.1201 284.9415 0143446 217.9399 141.2475 15.02846145 29798
HST
1 20580U 90 37  B 90296.68738553  .00006109  00000-0  67857-3 0  2518
2 20580  28.4710 151.6472 0005629  21.3776 338.6900 14.85341477 27094
Glonass 44
1 20619U 90 45  A 90296.74224339 -.00000017  00000-0  99999-4 0  1918
2 20619  64.9622  34.5540 0023882 211.9679 147.9055  2.13102952  3366
Glonass 45
1 20620U 90 45  B 90295.92158735 -.00000016  00000-0  99999-4 0  1947
2 20620  64.9617  34.5821 0006601  45.6159 314.4762  2.13103629  3356
Glonass 46
1 20621U 90 45  C 90296.91861662 -.00000016  00000-0  99999-4 0  1724
2 20621  64.9857  34.5576 0014154 201.0557 158.9120  2.13102837  3373
Kristall
1 20635U 90 48  A 90296.62692382  .00135027  00000-0  16825-2 0  1940
2 20635  51.6121  43.3388 0032212 172.5537 187.1197 15.58333160 22703
ROSAT
1 20638U 90 49  A 90289.34818445  .00005392  00000-0  46706-3 0   903
2 20638  52.9880 232.5767 0012785 349.0021  11.0711 14.98500650 20446
Meteor 2-19
1 20670U 90 57  A 90296.85121379  .00000322  00000-0  27992-3 0   662
2 20670  82.5507 186.5395 0014814 290.3553  69.5985 13.83870228 16311
BADR-1
1 20685U 90 59  A 90297.43994154  .00623085 -30492-4  75671-3 0  1190
2 20685  28.4867 351.2165 0332529 142.5749 219.5537 15.49984571 15255
CRRES
1 20712U 90 65  A 90291.06629267  .00001159  00000-0  13499-2 0   299
2 20712  18.2539  12.7466 7121228 263.6562  18.3376  2.43485794  2063
Soyuz TM-10
1 20722U 90 67  A 90296.81938742  .00051625  00000-0  65387-3 0   984
2 20722  51.6112  42.3714 0032290 172.8017 187.2953 15.58324112 13038
GPS BII-08
1 20724U 90 68  A 90293.90610012  .00000016  00000-0  99999-4 0   201
2 20724  54.6767 191.1999 0095769 118.3108 243.0137  2.00561904  1568
Feng Yun 1B
1 20788U 90 81  A 90295.73666992  .00014859  00000-0  99999-2 0   340
2 20788  98.9341 329.3289 0010789 123.6816 237.1018 14.00532270  6966
PRC 31
1 20789U 90 81  B 90296.50496765  .00139176  00000-0  76395-1 0   452
2 20789  98.9752 330.5658 0042535 179.9235 179.3138 14.10092171  7097
PRC 32
1 20790U 90 81  C 90296.13242250  .00058271  00000-0  35296-1 0   373
2 20790  98.9427 329.9979 0029657 171.9050 188.8218 14.05682945  2012
Progress M5
1 20824U 90 85  A 90296.88351550  .00046994  00000-0  59634-3 0   419
2 20824  51.6094  42.0517 0032270 172.4424 187.6439 15.58317599  4139
Meteor 2-20
1 20826U 90 86  A 90297.05141222  .00000115  00000-0  99553-4 0   123
2 20826  82.5261 125.6903 0012426 178.0898 182.0312 13.83232957  3560
1990 086B
1 20827U 90 86  B 90295.09453638  .00000139  00000-0  11633-3 0   132
2 20827  82.5238 127.2367 0012175 184.8887 175.2122 13.83454682  3295
Cosmos 2101
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1 20828U 90 87  A 90297.66691618  .00307018  46919-4  41984-3 0   581
2 20828  64.7668 124.0944 0075436 121.9744 238.9877 16.00317994  3744
GPS BII-09
1 20830U 90 88  A 90292.44825841  .00000014  00000-0  99999-4 0    92
2 20830  54.8782 133.6599 0079305 116.1801 244.7197  2.00565503   614
1990 088C
1 20832U 90 88  C 90295.79344680  .00208586  93131-5  19352-2 0   316
2 20832  37.6718 115.3005 6015026 218.9364  79.5128  4.12778476   869
1978 100AX
1 20834U 78100 AX 90296.55552707  .00021748  00000-0  63461-2 0   181
2 20834  82.5519 140.3761 1170241  29.0002 337.0979 12.63468346 10798
1974 033F
1 20835U 74 33  F 90284.78060272 -.00000048  00000-0  99999-4 0    38
2 20835  11.3905  47.2293 0097477 120.0957 240.8207  0.98587518  3427
1974 060F
1 20836U 74 60  F 90294.76492020 -.00000216  00000-0  99999-4 0   158
2 20836  11.9285  39.6331 0029809 218.8688 140.8831  1.00186300  2311
1981 057F
1 20837U 81 57  F 90291.92507486  .00000105  00000-0  99999-4 0    56
2 20837   7.4142  66.8788 0093976 193.5783 165.9621  0.99370853   502
PRC 33
1 20838U 90 89  A 90296.00386606  .21189939  57752-4  86456-4 0   493
2 20838  56.9547 338.2417 0019611 188.0018 174.9426 16.56001791  2877
1990 090C
1 20843U 90 90  C 90296.24239313  .00003793  00000-0  27308-2 0    49
2 20843  28.5117  14.5876 7040262 343.9616   2.1519  2.55348126   348
1990 091A
1 20872U 90 91  A 90297.17856191 -.00000104  00000-0  99999-4 0   124
2 20872   0.1425 276.7519 0018084  43.3363  39.8093  1.00226259   136
1990 091B
1 20873U 90 91  B 90297.16299457 -.00000145  00000-0  99999-4 0   103
2 20873   0.1119 286.1108 0001637  64.8179   9.1200  1.00258294   162
1990 091C
1 20874U 90 91  C 90293.89392295  .00009288  00000-0  56709-2 0   100
2 20874   7.3400 177.1401 7329323 184.6704 159.7304  2.20137271   179
1990 091D
1 20875U 90 91  D 90295.10817752  .00122146  00000-0  17536-1 0    76
2 20875   6.9898 176.7306 7321210 185.6568 155.4804  2.24662819   208
1990 081AL
1 20876U          90296.49780720  .00002777  00000-0  16916-2 0    85
2 20876  98.9370 330.1894 0026100  16.0833 344.1164 14.06597227  7079
1990 081AM
1 20877U 90081 AM 90293.52945622  .00004053  00000-0  25192-2 0    73
2 20877  98.9206 327.4056 0046920 120.9554 239.6254 14.04888684  2109
1990 081AN
1 20878U 90081 AN 90294.76765378  .00002614  00000-0  17052-2 0    65
2 20878  98.9233 328.5242 0042855 129.6852 230.8092 14.02596067  2279
1990 081AP
1 20879U 90081 AP 90291.05453430  .00002388  00000-0  21831-2 0    66
2 20879  98.9708 323.7796 0127781 200.7135 158.8811 13.80214554  1725
1990 081AQ
1 20880U 90081 AQ 90296.61052354  .00016074  00000-0  48236-2 0    71
2 20880  98.9346 331.2330 0158520  38.7916 322.4534 14.35749432  2590
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1990 081AR
1 20881U 90081 AR 90295.63006423  .00001673  00000-0  10614-2 0    77
2 20881  98.9696 328.7470 0110211 132.5423 228.5117 14.02099010  2391
1990 081AS
1 20882U 90081 AS 90297.12746985  .00007990  00000-0  42682-2 0    98
2 20882  98.9346 331.0286 0053939  56.9813 303.6563 14.12668987  2623
1990 081AT
1 20883U 90081 AT 90296.60851180  .00002401  00000-0  15482-2 0    73
2 20883  98.9406 330.1515 0019566 101.4173 258.9197 14.03629680  2531
1990 081AU
1 20884U 90081 AU 90291.07881584  .00002767  00000-0  21435-2 0    60
2 20884  98.9214 324.7384 0044802 217.1509 142.6545 13.92802372  1747
1990 081AV
1 20885U 90081 AV 90291.06210757  .00000450  00000-0  40560-3 0    66
2 20885  98.9264 324.5615 0069066 234.8796 124.5879 13.86950022  1738
1990 081AW
1 20886U 90081 AW 90293.51114095  .00000680  00000-0  92538-3 0    75
2 20886  98.9961 324.9989 0257153 221.5455 136.5873 13.48930396  1986
1990 081AX
1 20887U 90081 AX 90291.01574718  .00002222  00000-0  13443-2 0    61
2 20887  98.9363 324.8080 0031662  91.9632 268.5176 14.07085523  1717
1990 081AY
1 20888U 90081 AY 90296.34251836  .00008054  00000-0  57753-2 0    90
2 20888  98.9257 329.2713 0323377 293.0484  63.6895 13.75097480  2452
1990 081AZ
1 20889U 90081 AZ 90295.61631813  .00001399  00000-0  11955-2 0    74
2 20889  98.9337 328.7685 0096357 266.9739  92.0394 13.86216633  2333
1990 081BA
1 20890U 90081 BA 90291.06268381  .00000283  00000-0  20824-3 0    52
2 20890  98.9285 324.8646 0015240 133.7942 226.4489 14.02054177  1711
1990 081BB
1 20891U 90081 BB 90293.53842554  .00000720  00000-0  86057-3 0    75
2 20891  99.0050 325.1147 0224926 206.1269 152.8381 13.59367565  2009
1990 081BC
1 20892U 90081 BC 90291.06253361  .00001956  00000-0  22055-2 0    62
2 20892  98.9596 323.5976 0188602 258.4757  99.5138 13.64156270  1637
1990 081BD
1 20893U 90081 BD 90296.54612811  .00005248  00000-0  33988-2 0    76
2 20893  98.9358 330.1154 0007264  77.8771 282.3228 14.03008662  2457
1990 081BE
1 20894U 90081 BE 90291.01307744  .00002275  00000-0  13699-2 0    63
2 20894  98.9391 324.7721 0027611  56.7768 303.6053 14.07364719  1650
1990 081BF
1 20895U 90081 BF 90291.06222074  .00005015  00000-0  28552-2 0    60
2 20895  98.9429 324.7941 0039587  70.9274 289.6175 14.09741948  1666
1990 081BG
1 20896U 90081 BG 90297.10603392  .00012587  00000-0  72204-2 0    85
2 20896  98.9334 330.9237 0034077  53.1697 307.2685 14.09125264  2504
1990 081BH
1 20897U 90081 BH 90296.01083204  .00027250  00000-0  73386-2 0   107
2 20897  98.9298 330.7810 0174103  48.0340 313.5780 14.39270142  2406
1990 081BJ
1 20898U 90081 BJ 90295.26214072  .00004791  00000-0  24555-2 0    89
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2 20898  98.9266 329.3291 0072161  12.0875 348.2025 14.14504107  2269
1990 081BK
1 20899U 90081 BK 90293.53270423  .00004182  00000-0  29548-2 0    70
2 20899  98.9384 327.0323 0016520 244.7046 115.2404 13.98198972  1995
1990 081BL
1 20900U 90081 BL 90291.07316038  .00004508  00000-0  38323-2 0    65
2 20900  98.9024 324.8489 0089466 204.3480 155.3433 13.85857793  1637
1990 081BM
1 20901U 90081 BM 90291.06193932  .00006938  00000-0  33475-2 0    63
2 20901  98.9308 325.1308 0076665  42.6185 318.0896 14.17370475  1677
1990 081BN
1 20902U 90081 BN 90296.89939600  .00001438  00000-0  13202-2 0    77
2 20902  98.9490 329.6533 0092791 227.8444 131.4804 13.82153514  2437
1990 081BP
1 20903U 90081 BP 90295.32181101  .00001724  00000-0  88560-3 0    78
2 20903  98.9141 329.5664 0067145  55.7659 304.9849 14.15365728  2239
1990 081BQ
1 20904U 90081 BQ 90296.03219649  .00004487  00000-0  28310-2 0    83
2 20904  98.9336 329.6330 0042583 328.8362  31.0326 14.04109712  2315
1990 081BR
1 20905U 90081 BR 90296.54020971  .00006106  00000-0  39170-2 0    95
2 20905  98.9300 330.2013 0009926   4.1659 355.9604 14.03464654  2539
1990 081BS
1 20906U 90081 BS 90293.53525395  .00000329  00000-0  34018-3 0    78
2 20906  98.9503 326.3786 0108094 234.2078 124.8998 13.78756949  1502
1990 081BT
1 20907U 90081 BT 90293.51861063  .00004998  00000-0  30701-2 0    72
2 20907  98.9366 327.1886 0020634  67.3628 292.9720 14.05863611  1460
1990 081BU
1 20908U 90081 BU 90290.99535135  .00000328  00000-0  33816-3 0   108
2 20908  98.9466 323.9804 0107874 241.1292 117.9002 13.78756212  1216
1990 092A
1 20909U 90 92  A 90297.64159845  .00531413  39789-4  32689-3 0   202
2 20909  62.8452 228.8903 0114379  81.1832 280.2243 16.04487789  1263
1989 100U
1 20911U 89100  U 90296.63914584  .00477496  00000-0  11680-1 0   183
2 20911  73.5182 175.8197 0014672 190.5615 169.5378 15.38718087 45585
1990 081BV
1 20912U 90 81 BV 90296.85716857  .00002977  00000-0  18227-2 0    50
2 20912  98.9404 330.4791 0022558  48.9186 311.3912 14.06330602  1034
1990 081BW
1 20913U 90 81 BW 90295.58880862  .00001572  00000-0  10381-2 0   107
2 20913  98.9685 328.6654 0115407 138.0170 222.9946 13.99717505  1512
1990 081BX
1 20914U 90 81 BX 90295.31418158  .00013631  00000-0  24845-2 0    80
2 20914  98.9490 330.1437 0228572  42.5499 319.3181 14.50596815  1491
1990 081BY
1 20915U 90 81 BY 90293.64078448 -.00000018  00000-0  00000 0 0    12
2 20915  98.9617 327.5348 0028539 178.7659 181.3579 14.05316001    06
1990 081BZ
1 20916U 90 81 BZ 90296.90321582  .00237804  00000-0  15234 0 0    69
2 20916  98.9833 330.8851 0067068 224.5340 135.0310 14.00088950   418
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Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

From -5433887263727371809
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,40fe92cece3a3d14
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-27 14:27:30 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!uunet!swlabs!gaboon!asv
From: asv@gaboon.UUCP (Stan Voket)
Newsgroups: rec.ham-radio
Subject: Re: Need Weather Satellite info
Message-ID: <6958@gaboon.UUCP>
Date: 27 Oct 90 21:27:30 GMT
References: <9009300430.AA29795@ucsd.edu> <paul.4734@wa1omm.UUCP>
Organization: gaboon, UNIX 386 System, New Fairfield, CT
Lines: 23
Posted: Sat Oct 27 22:27:30 1990

In article <paul.4734@wa1omm.UUCP> paul@wa1omm.UUCP (Paul MacDonald) writes:
>
>You can copy GOES satellite photos from HF. They are retransmitted on a
>regular schedule. To receive it otherwise would entail considerable
>investment for a suitable receiver - although, you can copy it by
>connecting a TVRO receiver to an HF receiver.
>I use an AEA AVT connected to an Amiga. I get the data direct from the
>low-orbit APT satellites using a Realistic scanner on 137.xxx MHz. The
>results are excellent.

A friend and I are very interested in doing this also. A short "howto" with some very specific info would be greatly appreciated and perhaps of general interest to the readers of this group. We would recieve to IBM PC computers.

Thanks for the help! :-)

```
--
+--------------------------------------------------------------------+
| -   Stan Voket, asv@gaboon - OR - ...uunet!hsi!stpstn!gaboon!asv   - |
|       -   Voice: (203) 746-4489 - FAX 746-9761 TELEX 4996516  -      |
+--------------------------------------------------------------------+
```

From -6729238140845589062
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-27 14:39:52 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!elroy.jpl.nasa.gov!ucla-cs!rutgers!rochester!uhura.cc.rochester.edu!

```
ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: Antenna Restrictions
Message-ID: <167.272A2F4C@rochgte.FIDONET.ORG>
Date: 27 Oct 90 21:39:52 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 29
Posted: Sat Oct 27 22:39:52 1990


 > From: phil@hansen.Berkeley.EDU (Phil Graham)
 >
 > |>  > hurricane, tornado, or just a strong windstorm, notice the damaged
 > |>  > towers.  Usually they fail near the middle; they don't come anywhere
 > |>  > near the property line.
 > |>
 > |>       I might add the suggestion that you take pictures and file them
 > |> away.  Clip photos of fallen towers and the like from newspapers and
 > |> magazines.  They would make an impressive display in support of the
 > |> argument about towers falling down.
 >
 > This kind of logic is very poor.  If we used this then nothing
 > could be built...

      You missed the point.  On our side of the argument, photographic
evidence of the way structures like towers and trees actually fall
down would be an excellent defense against the "from the base across
the property line" restriction.  In most cases, trees and poles and
antennae fall within the property on which they are planted, unless
pieces break off of them.



--
*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*



From -2637904244576869934
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a37d30a0f86c9e4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-27 14:56:34 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!rutgers!rochester!
uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!
David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: extra callsigns
```

Message-ID: <168.272A2F4E@rochgte.FIDONET.ORG>
Date: 27 Oct 90 21:56:34 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 17
Posted: Sat Oct 27 22:56:34 1990

> From: rfc@briar.Philips.Com (Robert Casey)
>
> *#** and **#*, but will the FCC do ***#? (where * is a letter and # is a
> number). Or does that style of call belong to another radio service?

It belongs to Federal and Military services. The 3-letter, 1-number style of callsign is frequently found in aviation related stations.

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From -7428773532063433725
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edeb7787bf6edb75,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-27 15:01:04 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!dgc.ceo.dg.com!Pete_Simpson
From: Pete_Simpson@dgc.ceo.dg.com
Newsgroups: rec.ham-radio
Subject: -9 V from +13.6 V
Message-ID: <9010272301.AA00019@rtp40.dg.com>
Date: 27 Oct 90 22:01:04 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Sat Oct 27 23:01:04 1990

CEO summary:
The way I've always seen it done (for low current needs, like RS-232) is to use a 555 and run the output through a driver transistor, then through a capacitor, so as to differentiate the square wave, giving positive and negative spikes. A diode passes the negative ones into a capacitor, which eventually builds up a negative voltage, which you can regulate with a zener, if you so desire.

From 6549661160998663660

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d37ed42e96cad0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-27 15:03:25 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!rutgers!
rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!
f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: VVV
Message-ID: <169.272A2F4F@rochgte.FIDONET.ORG>
Date: 27 Oct 90 22:03:25 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 20
Posted: Sat Oct 27 23:03:25 1990

> From: perry@hpfcdc.HP.COM (Perry Scott)
>
> Re: VVV
>
> I think it was used at one time for calibrating RTTYs. I
> suppose it helps CW listeners calibrate, too.

Half right. The RTTY calibration signal was (is) RYRY because of the way the mechanical teleprinters operated. VVV is commonly understood to mean "test" and is used as a frequency marker. Some HF stations use CQ as a frequency marker.

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From 5041104829836376880
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9122abd0ef6d1895,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-27 15:51:54 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!uwm.edu!rutgers!rochester!
uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!
David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Hams and Public service/mods to HTs etc.
Message-ID: <170.272A2F51@rochgte.FIDONET.ORG>
Date: 27 Oct 90 22:51:54 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)

Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 146
Posted: Sat Oct 27 23:51:54 1990

> From: wb9omc@ea.ecn.purdue.edu (Duane P Mantick)
>
> *assuming* that a majority of hams intend to use it as an excuse to use those frequencies regularly. Admittedly, there may be

Not a majority of all hams, but many who have the capability do indeed use it when _they_ think it's OK. Emergency or not. On the flipside, there are a great many non-hams with modified ham equipment in regular, daily use on non-ham frequencies.

> some serious doo-doo, and deservedly so. No group as large as the US population of hams gets by without having a few bad apples.
> On the other hand, there are also some complete assholes in the Public Services area, too.

Agreed on both counts.

> Let me put it another way. I would rather risk being fined by the FCC and/or losing my ham ticket than to face a lawsuit for negligence by the persons family for having let him die by the side of the road when I could have called for help. Worse than that,

How many "civilians" are knowledgeable enough about radio to even _think_ of suing you for that? Most people who are not into radio have no concept of what radio is or does, or how many devices they use that incorporate RF technology.

On the other hand, a very large percentage of hams don't have a clue as to what goes on outside the amateur bands. Should they be required to know what is beyond the boundaries of the 2 meter band? Of course not. I am merely making the point that there are varieties of ignorance and that one should not assume that an expert on one subject is knowledgeable on others.

> spending the rest of my life knowing that I might have been able to call for help and didn't.

This is probably a more pertinent consequence of failure to act. Any comment that I or anyone else could make on this would be meaningless. It is an individual decision.

> I think the assumption that hams, as a group, are sitting around with modified HT's eagerly in hand just WAITING for something as an excuse is damned insulting. I suspect that *MOST, NOT ALL* of us have a bit more common sense than that.

On this we agree. As a group, ham operators are more sensible than that. But there are those who behave exactly as described above.

I just don't believe in encouraging them, or sitting by idly while they try to persuade the more sensible that they can justify it.

> Amateur Radio
> operators have always been there when the chips are down and a
> community is hurting due to floods, fires, earthquakes, tornados,
> hurricanes or whatever disaster you can think of. The benefit

Let's not get carried away with our "emergencies." A community-wide disaster is a different situation from a traffic accident. As I pointed out in a previous posting (and it is even more apropos in response to the above) our value as amateur operators as a reserve communications resource to our communities has been based on handling disasters like you enumerated, not on our ability to make our radios transmit on police/fire/EMS/whatever frequencies.

> Amateur Radio is a proven one - so if the individual ham can
> show to the governing authority that he can communicate with them
> in such an emergency, on the spot, and (this is important) abide
> by whatever restrictions they set, what is wrong with that?

Nothing. But that type of situation was not what was being discussed here. If you have permission and have worked out a formal arrangement, then there is no issue. Except possibly Type Acceptance depending on what you are using for a transmitter.

> David, you seem to have an axe to grind against involving
> Amateur radio in public service activities. I read your posting

Not against involving amateur radio, but in the way some (not ALL, or even MOST) hams want to be involved.

> about doing things like taking the 2-meter band and/or the 440 band
> away from hams and giving it up to public service, etc. ad
> nauseum.

I got two or three thoughtful responses from people who had positive things to say about alternative solutions to the spectrum crisis that precipitated that posting. The rest were "they can't do that because..." and "how dare you!" type useless messages. That kind of approach will not and did not keep FCC (or nations convening a WARC) from reallocating spectrum that we hams would rather keep to somebody else.

> At the risk of creating yet another flame war on this newsgroup,
> perhaps you could explain why you seem so opposed to ham operators
> being involved - perhaps it would clarify "where you're coming
> from".

Fair enough. To help avoid a "flame war" I will begin with a disclaimer. This is not an indictment of amateur radio as a whole. I am presenting my opinions that are based on some local experiences. I do recognize that the situation is far better in other communities and my experiences should not be used as a reason to impair other hams' efforts to become legitimately involved in public service.

Several members of the local ARES/RACES group (they are one and the same hereabouts) believe that amateur involvement in public service activities should include some degree of actually "running the show." While the RACES RO manual and various articles and publications put out by ARRL state plainly that the amateur's function is strictly relaying communications, a few of these folks believe otherwise.

I was Disaster Communications Chairman for my local Red Cross chapter for about 2 years. To the chagrin of ARES/RACES leadership, the agreement between ARRL and the American Red Cross allows the Red Cross to appoint its own volunteers. Since I wasn't the person preferred by the local leadership, I got little or no cooperation.

During one major incident (an evacuation caused by a chemical plant fire), the EC/RO decided that he would shut down the net and send his people home. The Red Cross (the paid staff, volunteer leaders and myself) had not finished our operation or released the ham communicators. The County reps had not finished with them, either. A few cooperative hams volunteered to stay with us and keep passing tactical traffic until we no longer needed them.

Those few hams are the ones who really demonstrated the usefulness of ham radio, not the officious "officials" of the formal group.

ARES/RACES in my area has not been invited to be involved in the backup Public Safety communications plans. Their "rules" are too restrictive for police/fire/EMS needs and local government has found ways to provide needed services without them. Note that I put rules in quotes; Part 97 isn't the problem.

By the way, I speak not only as a licensed ham (NF2G) but as an experienced Public Safety Dispatcher for an area with a population of approximately a half-million people.

I don't want a big fight to start over this. These are local conditions and I don't apply them to the situation in general. Besides, I have not been actively involved in ARES/RACES in about 5 years, so maybe the leadership and attitude have changed. I hope so.

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From -1888962679172577130
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1a674000188cc7,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a1a674000188cc7,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-27 16:17:34 PST

Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!samsung!crackers!cpoint
From: die@cpoint (David I. Emery)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Radio privacy - the future
Message-ID: <8797@cpoint.clearpoint.com>
Date: 27 Oct 90 23:17:34 GMT
Sender: die@cpoint.clearpoint.com
Followup-To: rec.ham-radio
Organization: Clearpoint Research Corp., Hopkinton Mass.
Lines: 63
Xref: gmdzi rec.ham-radio:16178 rec.radio.shortwave:2537
Posted: Sun Oct 28 00:17:34 1990

>In article <5058@qip.UUCP> john@qip.UUCP (John Moore) writes:
>
>As mentioned above, the city is providing units to the major TV and radio
>stations...as well as the vultures (tow trucks). There have been a couple
>of instances where a TV helicopter has really helped nab some criminal or
>helped find someone lost...so they have justified their need to the city
>administration.

I know of one ham/ sophisticated Mensa SWL who lives in Dallas where they have begun to do the same thing who has been very successful at reprogramming a junk trunked radio to follow conversations and scan the various services (all of them, not just the ones they want you to hear and give you a radio set up for if you are lucky). He has disassembled the microcode and patched it to handle the message formats for the systems in use in his area.

I am convinced that a cheap 80X86 laptop could be easily programmed to control a R-7000 or two to do the same thing and also other naughtiness such as following cellular calls from cell to cell. All it takes is some simple mods to the radio to make it capable of copying 10 kbs +- 4 khz deviation fsk which is pretty universally used as the signalling format and the appropriate interface to the laptop to read the packets.   The rest is 'just' software.

If my friend in Dallas had more time and business sense or if I did myself one of us could build and sell a 8751 based box that clips onto a scanner discriminator and reads, error corrects, and ships out a serial port in ASCII the signalling packets. This would make software to control a scanner pretty trivial. Unfortunately the number of software controllable scanners is limited although many can be modified to be by someone patient and skilled enough.

So a business opportunity await the first bloke who builds and markets such a device and offers software to allow a radio to follow the standard trunking systems in use.

Of course nothing within the resources of any private listener save bribing the man who distributes the keys can render DES encryption systems listenable.

I think we all have to accept that eventually (maybe even soon):

1. Almost everything of much general interest will be encrypted securely enough so that only stupid key management will render it vulnerable.

2. What isn't encrypted will be massively illegal to listen to and people will really be going to jail and having their equipment confiscated for trying. Simply enforcing a broad construction of the the present ECPA as it stands would go pretty far in this direction.

3. Scanners and other general converage radios will become contraband, illegal to possess regardless of what they are actually tuned to. This is the only way that enforcing an anti-listening ("privacy") law could possibly be practical, as the actual act of listening is so passive, private, and undetectable.

4. The public will be assured that now everything is illegal and the laws are being enforced that their unencrypted communications are quite safe (such as cellular phones), and private individuals will be slow to actually use available security technology. As a result both criminals, and the shadier side of law enforcement will be happily able to monitor private individuals for very questionable purposes well into the forseeable future.

From -3987324801016328918
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d37ed42e96cad0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-28 10:19:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: VVV
Message-ID: <266.272B5543@w8grt.fidonet.org>
Date: 28 Oct 90 18:19:31 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 31
Posted: Sun Oct 28 19:19:31 1990

> From: rrw@naucse.cse.nau.edu (Robert Wier)
> Date: 27 Oct 90 20:04:00 GMT
> Organization: Northern Arizona University, Flagstaff AZ
> Message-ID: <2756@naucse.cse.nau.edu>
> Newsgroups: rec.ham-radio
>
> In article <7880329@hpfcdc.HP.COM>, perry@hpfcdc.HP.COM (Perry Scott)
> writes:
> > Re: VVV
> >

```
 > > I think it was used at one time for calibrating RTTYs.  I suppose it
 > > helps CW listeners calibrate, too.
 > >
 > > Perry/KF0CA
 >
 >
 >  Sorry - "RY" was used in the old time Teletypes (trademark).  It gave
 >  you an alternating bit sequence in the Baudot code. Note sure why
 >  cw uses "V"? (maybe as a procedural sign ST?  Send Test?)

"V" because it works well with the old mechanical bugs and even sideswipers.

--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"


From 5773947638298139923
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d37ed42e96cad0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-28 10:32:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cica!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: VVV
Message-ID: <267.272B5549@w8grt.fidonet.org>
Date: 28 Oct 90 18:32:11 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 37
Posted: Sun Oct 28 19:32:11 1990


 > From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
 > Date: 27 Oct 90 22:03:25 GMT
 > Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
 > Message-ID: <169.272A2F4F@rochgte.FIDONET.ORG>
 > Newsgroups: rec.ham-radio
 >
 >
 >  > From: perry@hpfcdc.HP.COM (Perry Scott)
 >  >
 >  > Re: VVV
 >  >
 >  > I think it was used at one time for calibrating RTTYs.  I
 >  > suppose it helps CW listeners calibrate, too.
 >
```

> Half right. The RTTY calibration signal was (is) RYRY because
> of the way the mechanical teleprinters operated.

Well,partly. It is the bit arrangement of Murray-Baudot code. Sending "RYRYRYRY" causes the transmitter to spend very nearly equal amounts of time on MARK and SPACE. This made it possible to measure "average" magnet current. Also, it made it easy to tune to, even by ear. Back then, before modern frequency tolerance requirements, it also made it easier for the sending station to set frequency, because a "slow" counter would read out the channel center frequency, which is what military and commercial users go by.

Granted, this was all pretty primitive, but Good Grief, Charlie Brown, this is late 30's and early 40's technology we're talking about here.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ___________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From 2694516427224967033
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9122abd0ef6d1895
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-28 15:47:51 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!bcm!lib!thesis1.hsch.utexas.edu
From: jmaynard@thesis1.hsch.utexas.edu (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Hams and Public service/mods to HTs etc.
Message-ID: <4248@lib.tmc.edu>
Date: 28 Oct 90 01:02:22 GMT
References: <170.272A2F51@rochgte.FIDONET.ORG>
Sender: usenet@lib.tmc.edu
Organization: University of Texas Medical School at Houston
Lines: 41
Posted: Sun Oct 28 02:02:22 1990
Nntp-Posting-Host: thesis1.hsch.utexas.edu

In article <170.272A2F51@rochgte.FIDONET.ORG> David.Stark@f218.n260.z1.FIDONET.ORG (David Stark) writes:
> Not a majority of all hams, but many who have the capability do
>indeed use it when _they_ think it's OK. Emergency or not. On the
>flipside, there are a great many non-hams with modified ham equipment
>in regular, daily use on non-ham frequencies.

I contend that your "many" in thr first sentence is really a tiny minority. Please don't tar us all with that brush, as you have been wont to do.

The second part of that is something I don't condone, but I again suspect
you're tarring many, many volunteers with the brush of your bad, but local,
experiences.

>   On this we agree. As a group, ham operators are more sensible
>than that. But there are those who behave exactly as described above.
>I just don't believe in encouraging them, or sitting by idly while
>they try to persuade the more sensible that they can justify it.

So, instead, you establish a reputation for yourself as the famous flaming
FidoNet newbie? Seems a bit counterproductive.

>   Fair enough. To help avoid a "flame war" I will begin with a
>disclaimer. This is not an indictment of amateur radio as a whole. I
>am presenting my opinions that are based on some local experiences. I
>do recognize that the situation is far better in other communities and
>my experiences should not be used as a reason to impair other hams'
>efforts to become legitimately involved in public service.

Then why do you toast people in other areas based on your (admittedly bad)
local experiences??

>   I don't want a big fight to start over this. These are local
>conditions and I don't apply them to the situation in general.

Yes, you do...you did in the message that started this war, and you did in
your replies to me. Now that you realize that your conditions don't apply
to the whole world, how about lightening up?
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
"With design like this, who needs bugs?" - Boyd Roberts

From -5521777784170595811
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed5bb56e4039ae0b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-28 16:30:18 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!noao!arizona!naucse!rrw
From: rrw@naucse.cse.nau.edu (Robert Wier)
Newsgroups: rec.ham-radio
Subject: Re: The Dube dude
Keywords: exams (with a note on sexism)
Message-ID: <2757@naucse.cse.nau.edu>
Date: 28 Oct 90 03:33:46 GMT
References: <38680@ut-emx.uucp> <1990Oct25.094613@ultnix.enet.dec.com>
<1990Oct26.124215.3104@mozart.amd.com>
Organization: Northern Arizona University, Flagstaff AZ
Lines: 47
Posted: Sun Oct 28 04:33:46 1990

In article <1990Oct26.124215.3104@mozart.amd.com>, reed@mozart.amd.com (David F.

Reed) writes:
> a lot of garbage been flying by here on sexism, and he but not she, etc.
> so, I propose the "sheheit", perhaps contracted to "sheeit", an expresion
> which adequately covers this issue (IMHO) since it contains all gender options
> (she he it), and phonetically reminds one of what this is starting to smell
like... any takers?.
> --
> ____
> "...just my opinion, not speaking for AMD." KK5D / 7J1AGO etc.
> David F. Reed   4512 Clarno   Austin TX 78749
> packet: KK5D@KB5PM   driving by? try 442.150 repeater

I tend to agree with this. Teaching in the college of engineering here, we don't tend to have too many females in our classes. So when we DO have female students, the he/she problem is even more pronounced. I tried to side step it for awhile, but the English language simply isn't equipped to handle it. If I make a statement like

"You ________________ have to be careful with your power supply bypassing when you combine 555 timers with other circuit elements because the 555 uses a big slug of current when it switches."

then what is suitable for the underline pronoun? You people ... sounds somewhat derisive (at least to me). You EEs isn't right because we have both EEs and CS majors. You DWEEBS had kind of a nice ring, but students complained that I was talking down to them :-) ... You STUDENTS sounds REALLY funny. So I've just settled back into "You guys". The first few times I say it I look straight at the female class members to make sure that they know there isn't any gender discrimination, but I'm using "guys" as a collective "engineering student" name. I guess I could use "you girls" but that IS sexist, being a derisive collective name used by Coaches and Drill Instructors (both the scum of the earth, IMHO) to deride a group of males.

If anyone has any reasonable, non-flame suggestions on phrases to use, I'd be interested...

- Bob Wier

-------------- insert favorite standard disclaimers here ----------
College of Engineering
Northern Arizona University / Flagstaff, Arizona
Internet: rrw@naucse.cse.nau.edu | BITNET: WIER@NAUVAX | WB5KXH
or   uucp: ...arizona!naucse!rrw

From 2982135430983296054
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0d5df1f991cc211

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,b0d5df1f991cc211
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-28 18:11:17 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!kuhub.cc.ukans.edu!baxter
From: baxter@kuhub.cc.ukans.edu
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Radio NY International
Message-ID: <26356.272a26dc@kuhub.cc.ukans.edu>
Date: 28 Oct 90 05:31:24 GMT
References: <144195@sun.Eng.Sun.COM>
Organization: University of Kansas Academic Computing Services
Lines: 24
Xref: gmdzi rec.radio.shortwave:2539 rec.ham-radio:16188
Posted: Sun Oct 28 06:31:24 1990

In article <144195@sun.Eng.Sun.COM>, jneher@tenorman.Eng.Sun.COM (Jonathan Neher X62863) writes:

> The other night I was listening to Radio NY International (7520Mhz).
> They sounded like a pirate station except it turns out they were
> being broadcast by some other station that seems to be legal.
> They apparently used to be a real pirate station operating off the
> east coast on a ship. Does anyone know anything about them. They
> were very entertaining and I'd like to know their schedule as well
> as their story.
>
> Thanks,
>
> Jon

What you heard was WWCR, a licensed shortwave station in Tennessee,
which has sold airtime on Sunday nights to the people that had operated
the pirate RNI when it was broadcasting in International Waters off the
New England coast several years ago. Alan Weiner was (is) the major
driving force behind the station, and has been involved in several
other pirate operations in the past. As you observed, they are
now just buying airtime on Sundays (0100-0400gmt) to air their
programs and to sell their material (e.g. video tapes of their ship
being raided by the Coast Guard and FCC)

From 4958967445620206392
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-28 19:24:36 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!usc!samsung!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing

Message-ID: <1484@ke4zv.UUCP>
Date: 28 Oct 90 08:35:19 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct24.200305.9402@athena.mit.edu> <9217@b11.ingr.com>
<1990Oct27.010052.20755@ux1.cso.uiuc.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 19
Posted: Sun Oct 28 09:35:19 1990

In article <1990Oct27.010052.20755@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil
Howard KA9WGN) writes:
>herbster@b11.ingr.com (Joe Herbster) writes:
>>   KM4JN, middle-aged-old-fart-that-does-not-oppose-the-communicator-class
>>   but-KNOWS-somehow-it-will-not-acheive-the-expected-results-and
>>   probably-WILL-cause-insurmountable-problems-for-the-future,
>
>That's why I petitioned, and commented, to the FCC for a different structure
>of codefree license classes, as the Communicator did not really address the
>problems, and the FCC proposal appears to be trying to destroy ham radio (and
>get a few hundred MHz of free spectrum to sell as well).

I agree that deleting Novice and Tech is a mistake, but I don't think it will
result in opening up hundreds of Megahertz of spectrum for commercial use. It
may well turn 6 and 2 meters into dying bands with decreasing usage as the
old timers die off. It may reduce the number of HF amateurs. But HF and 6
and 2 are not the majority of our spectrum. They are merely the most over-
used part of our spectrum.

Gary KE4ZV

From -414590423014645l8
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4fddbe0d1e4f804
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-28 19:24:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!usc!samsung!sol.ctr.columbia.edu!
emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Code & other requirements
Summary: Natural language is what we think.
Message-ID: <1485@ke4zv.UUCP>
Date: 28 Oct 90 09:04:53 GMT
References: <9010161303.AA17152@lonex4.radc.af.mil> <7880335@hpfcdc.HP.COM>
<1482@ke4zv.UUCP> <1990Oct27.010605.21781@ux1.cso.uiuc.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 30
Posted: Sun Oct 28 10:04:53 1990

In article <1990Oct27.010605.21781@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu (Phil

Howard KA9WGN) writes:
>
>I think what is meant here is that CW is more than just English or Spanish.
>There are a number of coded abbreviations, Q codes, and other things, that
>can help the communication process. You actually can carry on a QSO with
>another station without having to have the understanding of the other voice
>language. And of course the accents are gone (unless you consider fist).

Q codes help the "communications process" along but they do not communicate
ideas. I consider true communication more than signal reports and QSL cards.
To have a meaningful exchange of ideas with another person, you must share
a common language that can comvey your thoughts to the other person. If all
you are thinking about is DXCC, then I guess that CW abbreviations of English
communication terms and Q signals are enough. I consider that a pitifully
small subset of the topics that I would want to talk about.

A mystique has grown up around the CW modulation method and the series of
shortcuts and signals that are not part of Morse per se, but are generally
used by CW ops, such that many people can't see the forest for the trees.
I can type "CUL OM" or PSE QSY U5" as easily as I can send it using CW and
the operator on the other end would understand it as well whether we used
the CW modulation method or not. The CW modulation method has it's place
in amateur radio, but it's still not a LANGUAGE. Some of the shortcuts and
Q signals are a language, but they form a very limited language designed to
facilitate radio communications. Try thinking about an abstract subject
without siliently using words; you can't. Natural language is the tool
we use to give concrete form to our ideas. It's not just a spoken
representation of what we think, it is what we think.

Gary KE4ZV

From 4152904653195965850
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2cd2831e3575fa95,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-28 19:26:40 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!WEIZMANN.BITNET!BNHIRSCH
From: BNHIRSCH@WEIZMANN.BITNET ("David L. Hirschberg")
Newsgroups: rec.ham-radio
Subject: basic antenna lesson needed
Message-ID: <9010281311.AA18576@ucsd.edu>
Date: 28 Oct 90 12:55:05 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19
Posted: Sun Oct 28 13:55:05 1990

Dear Info-Hams,

I have an antenna question. What am I doing wrong? I am trying
to build a dipole antenna for a shortwave radio that will enhance

my reception in the 19 meter band. I am currently living
in Israel in a heavy concrete building. I have a book on shortwave, which
has a short chapter on antenna theory. I cut two 15.25 foot lengths of
10 gauge comon house wire, stripped it and affixed it about 0.5 inches
off the building with plastic insulators. At the center of the
antenna I soldered a 10 meter length of co-axial cable, which I think
is 58 Ohm. I then ran the coax to the antenna jack in the back of the
radio. When I switch the antenna switch setting to external everything
goes quiet (ie no static or reception). The antenna appears to be isolated
from the building. I have also tried grounding the outer portion of the
coaxial cable with no improvement.

Any help would be much apreciated. Thank you in advance.

David L. Hirschberg

```
From -3754333793841057487
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,40fe92cece3a3d14
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,530b279d39c7aaa2,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-28 19:59:14 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!max!crisp
From: crisp@mips.COM (Richard Crisp)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Need Weather Satellite info
Message-ID: <42455@mips.mips.COM>
Date: 28 Oct 90 17:11:21 GMT
References: <9009300430.AA29795@ucsd.edu> <paul.4734@wa1omm.UUCP>
<6958@gaboon.UUCP>
Sender: news@mips.COM
Reply-To: crisp@mips.COM (Richard Crisp)
Followup-To: rec.ham-radio
Organization: MIPS Computer Systems, Inc.
Lines: 398
Xref: gmdzi rec.ham-radio:16199 rec.radio.shortwave:2542
Posted: Sun Oct 28 18:11:21 1990
```

When I was wanting to get started in the satellite photo hobby, I
found this article useful. Perhaps those of you who have been asking
about info lately will also find it to be of interest. Many thanks
to the original author(s). I finally decided to buy commercially
available equipment made by Vanguard Labs. I am using the Multifax
software from Schwittek. I have found that I'd like to get full
8 bit resolution which Multifax doesn't support. At some point in
the future, I plan to locate and utilize software that will support
8 bit resolution, but am presently too pre-occupied with other things.

One final note that I feel I must add is that I am deeply indebted
to the late Eric Roskos for his kindling of my interest in this

exciting hobby. Eric's postings of his wonderful 8 bit resolution photos at the FTP server VMD.CSO.UIUC.EDU in the directory PHIL.515 stimulated my original interest. Eric also was very responsive and helpful by answering the many questions a beginner like me had at the outset. Until his untimely death late this last summer, Eric continued to be a source of information and inspiration to the lot of us who shared his interest in observing the Earth from afar. I hope Eric has a delightful view of it now.

-----------cut here-----------

HOW TO RECEIVE APT PICTURES FROM THE NOAA SATELLITES

So you have decided you want to receive the NOAA and Russian METEOR orbiters and you have a radio that receives 137.500 MHz and a computer. So now what do you do? I hope this short dissertation will steer you in the correct direction.

To display a picture from the orbiting birds you need several things. First you need to 'acquire' the satellite. This means you need the program to calculate its position at any time and determine if you can hear the signals from the 'bird'. The best place to get this program is probably AMSAT-NA an organization dedicated to AMateur SATellites. They have several very good tracking programs for the IBM and also for Commodore and Apple as well. After you have acquired the program and have it running on your computer, you then need the Keplerian Elements for the NOAA satellites. These elements as well as some tracking programs are available from the CELESTIAL RCP/M, run by TS Kelso, at 513-427-0674 (Fairborn,OH) and from the Weather Fax and Remote Imaging DATALINK BBS run by Dr. Jeff Wallach, N5ITU as bulletins for some 80 + sets of satellite data. Another bulletin also tells you to what the printed numbers correspond so you can enter them into the computer program. Use the newest elements you can find as the orbiting satellites are subject to forces which change their orbits. If you use Keplerian Elements more than 3 or 4 weeks old, your chances of hearing the bird are reduced.

Once you are tracking the birds you should hear them on your receiver. They will be on 137.62 (NOAA-11), 137.500 (NOAA-10), 137.850 (Meteor 3-2), 137.4 (Meteor 2-16), 137.3 (Meteor 2-17 and 2-18). Now comes the first thing different about NOAA orbiters. The frequency deviation of the FM transmission is about +/-18-20 kHz. This is 4 times the normal deviation of a police call and 1/3 the deviation of the FM broadcast band FM signal. If you receive the signal on the regular communications width of the scanner the light areas of the picture will be noisy and the signal will sound distorted and the picture will basically be useless. If you use the FM broadcast bandwidth (assuming your scanner will let you), the signal will be weak and there may be too much background noise to see the picture.

So what now ? Well there are two ways to fix the problem, find a receiver with the proper I.F. bandwidth filter of 50 kHz, or modify the I.F. of your scanner to about 50-80 kHz. The simplest mod which has been found to be workable is to remove the narrow communications I.F. filter and replace it with a 0.01 uFd capacitor. This provides for good Wefax pictures from GOES and pretty fair NOAA orbiter pictures. It can of course result in retuning the radio, voiding the warranty and making the squelch not work properly.

The other characteristic of the NOAA satellite transmissions is THEY ARE WEAK. To get good pictures over a large area we have found a pre-amplifier to be essential. A GaAs-FET type can be obtained from various sources at a reasonable price but still about 50-100 dollars. You can also build one for about 25 dollars from plans for a pre-amp for the 2-meter amateur band and tune it to 137.5 easily.

Lastly, but importantly, the antenna can be of an omni directional, uniform pattern type such as a turnstile antenna similar to those used in the FM broadcast reception business but of course tuned to 137.5 MHz. Mount the pre-amp at the antenna if possible. Crooked coathangers on broomsticks have been known to work, and it is not difficult to build the antenna. Of course 2-meter beams with Az/El tracking will do the job well.

Now that you have a nice audio signal from the satellite, what happens next? The audio tone of 2400 HZ which is the carrier tone that is used to carry the picture information (video), must be detected and the video data converted from analog to digital and then displayed on the computer monitor by the software. The hardware and software to do this is available from several sources with more coming along. Several stand-alone boxes are also available that produce some form of computer output either in printed form or on the display. In addition the people on the DATALINK BBS may also have some data to share with you regarding this equipment.

One of the best sources for information is the WEATHER SATELLITE HANDBOOK available from Dr. Ralph Taggart of Michigan State University at 602 S. Jefferson, Mason, MI 48854 for $15.00. Taggart also writes the monthly WEATHERSAT column which appears in '73 Magazine. A must is THE JOURNAL OF THE ENVIRONMENTAL SALELLITE AMATEUR USERS' GROUP - JESAUG - which is published quarterly. It is available for $30.00 per year from the editor, Jeff Wallach, PO Box 117088 Carrollton, TX. 75011-7088 Back issues of the JESAUG are also available.

At the present the simplest software for the IBM is the Elmer Schweittek MULTIFAX software. A hardware kit is available from A&A

Engineering which includes the video dectector circuit and A/D converter. Input to the PC is via the game port. If you want to build your own, complete documentation to build an interface circuit on an IBM PC prototyping board is available from H. Paul Shuch, N6TX, for $6.00 - FAXBOARD.

The WEPIX(tm) software and hardware is available from Encomm. It will produce pictures of 1200 lines by 800 samples per line displayed at 640 x 350 pixels in 16 shades of gray or 16 colors using an IBM PC with 640kB, EGA card and at least one 360k disk.

'Typical' APT Receiving Station

```
        [1]   ANTENNA
                 -
        [2]   PRE-AMP
                 -
                 -
                 -
                 -                          [ STAND ALONE UNITS ]
                 -
        [3]   RECEIVER  ----------------->  FAX MACHINE  ---> PAPER
                 -                          WRASSE UNIT  ---> MONITOR
                 -                          YU3UMV UNIT  ---> MONITOR
                 - - - - VCR
                 -
                 -
                 -
        [4] - VIDEO DETECTOR   -
            -                  -
            -                  -
        [5] - ANALOG/DIGITAL   -
            -                  -
            -                  -            [ SCAN CONVERTERS ]
            -                  -
        [6] - INTERFACE TO PC  - <=======>  ROBOT 1200
            -                  -            TAGGARTS'S WSH
            -                  -            IMAGEWISE
            -                  -
        [7] -    SOFTWARE      -            ** SECOND DISPLAY **
            -                  -               for weather images
            -                  -
            -                  -
        [8] - GRAPHICS ADAPTOR -
                 -
                 -
                 -
                 -
        [9]   PC DISPLAY / MONITOR
```

Display weather images
(or commands for SCAN CONVERTERS)

[10] PC PRINTER / DOT MATRIX / LASER

NOTES:
------

[4] VIDEO DETECTOR, [5] ANALOG/DIGITAL CONVERTER, and
[6] INTERFACE TO PC may be in seperate hardware units
or all on one circuit board.

Sources:

NOAA Data / Keplerian Elements:

DATALINK RBBS, N5ITU, Dr. Jeff Wallach, 214-394-7438,
DALLAS REMOTE IMAGING GROUP ELECTRONIC BULLETIN BOARD
UPDATES ON NOAA BULLETINS, SATELLITE LAUNCHES, FREQUENCIES
DISPLAY PICTURES FROM NOAA SATELLITES ON YOUR OWN P.C.

CELESTIAL RCP/M, TS Kelso, 513-427-0674, NASA Prediction Bulletins |
are online and updated several times weekly |

Satellite Tracking Software:

AMSAT-NA, PO Box 27, Washington, DC 20044, Software Exchange,
phone 301-589-6062 (voice), N4HY - QUIKTRAK, W0SL - ORBITS II,III,IV
Roy D. Welch, W0SL, 908 Dutch Mill Drive, Manchester, MO 63011,
phone 314-391-1127, ORBITS II-EGA, ORBITS III-EGA, ORBITS IV-VGA |
DATALINK BBS, download SATTRAKx.ARC, SEESATxx.ARC and others
CELESTIAL RCP/M, TS Kelso, 513-427-0674, SATTRAKx.ARC or SEESATxx.ARC |
Astronomical Data Service, Rodger Mansfield, 3922 Leisure Lane,
Colorado Springs, CO 80917-SPACE BIRDS program and Newsletter, $40.

Receivers:

Vanguard Labs, 196-23 Jamaica, Hollis, NY 11423,
phone 718-468-2720
Hamtroincs, Inc.,65-D Moul Road, Hilton, NY 14468-9535
phone 716-392-9430
DARTCOMM, Mr. N. Hearn, DARTCOMM Ferndale, Postbridge, Yelverton, |
Devon PL20 6SY, Great Britain, UK, phone 011 44 0822 88253 |

Crystals:

JAN Crystals, 2400 Crystal Dr, Fort Myers, FL 33906-6017,
phone 1-800-237-3063 or 813-936-2397

Pre-Amps:

THL/Encomm, Inc, 1506 Capital Ave, Plano, TX 75074, phone 214-423-0024
Spectrum International,Inc., Box 1084, Concord MA 01742,
phone 617-263-2145
Vanguard Labs, Hamtronics and GLB for Helical RF Filters for intermod
Ehrler-DuBois Very High Performance LNA for 1500-1750 Mhz, contact |
Greg Ehrler or John DuBois via DATALINK |

Antennas:

ARRL Handbook, 1986, turnstile over ground antenna.
ARRL Satellite Experimenter's Handbook by Martin Davidoff, K2UBC
Modern Electronics, September 1988, Hank Brandli article, page 82,
Receiving Satellite Weather Photos

Hardware Interface to PC:

A&A Engineering, 2521 W. La Palma, Unit K, Anaheim, CA 92801,
phone 714-952-2114 - both AM dectector and A/D converter, input to PC
via game port (4-bits) or parallel I/O Interface (8-bits) - kit is
$50. - assembled and tested unit is $70.
Microcomm, H. Paul Shuch, N6TX, 14908 Sandy Lane, San Jose, CA 95124,
phone 408-377-6137 - FAXBOARD - A Weather Facsimile Display Board for
the IBM PC - Complete documentation to build your own interface
circuit on an IBM PC prototyping board - video and an 8-bit A/D
interface - $6.00

Video Detectors:

RTM Circuit Boards, 205 Elm St.,Van Horne, IA 52346-0400,
video detector (the 'Wilson Board') see QST Magazine, Jan '86 and
Vince Coppola's article in Oct 1988 73 Magazine
QST Magazine, August 1985, Grant Zehr article, page 27, video detector
circuit

A/D Converter & Parallel I/O Interfaces for the IBM PC:

MetraByte, 440 Myles Standish Blvd., Taunton, MA 02780, Model PIO-12
board for the IBM PC, phone 617-880-3000
John Bell Engineering, Inc, 400 Oxford Way, Beimont, CA 94002,
phone 415-592-8411

Sources:

Display Software and Hardware - 'Amateur':

Encomm, Inc. 1506 Capital, Plano, TX 75074, WEPIX(tm) system, phone 214-423-0024

Multifax, Elmer Schwittek, 2347 Coach House Lane,Naples, FL 33942, phone 813-434-2268 - Multifax 3.3 for EGA, 2.x for CGA on the IBM-PC

Clay Abrams Software, 1758 Comstock Lane, San Jose, CA 95124, software for the ROBOT 1200 - see QST Magazine, Jan '86

Ralph Taggart, 602 S. Jefferson, Mason, MI 48854, Weather Satellite Handbook Scan Converter - for the Radio Shack CoCo3 - see 73 Magazine, Nov '84 and Dec '84 and Handbook. Ralph Taggart also writes the WEATHERSAT column for 73 Magazine.

ImageWise Display/Receiver, Circuit Cellar Inc. - Micromint Inc., 4 Park Street, Vernon, CT 06066, phone 203-875-2751 - BYTE Magazine, May, Jun, Jul, Aug 1987. JESAUG 88-2 and Oct 1988 73 Magazine have information on how to build the video and A/D interface. Ver 2.0 software supports VGA graphics and 640 samples per line at 64 gray levels. With VGA the ImageWise Display unit is not required. The software is available for $29.95 from Vince Coppola, N1VC, 6 Bobbin Road, Terryville, CT 06786

ASAT: An Apple-based Satellite Imaging System by Grant Zehr, WA9TFB - QEX Magazine, March '88 - has complete information to build an excellent unit using the APPLE with a Redshift Ltd graphics card giving 256 * 256 pixels at a full 256 levels of gray.

AMIGA Imaging Software - Dallas Remote Imaging Group
PO Box 117088
Carrollton, TX 75011-7088
Voice 214 394 7325

- Uses standard Amiga hardware - no special display
- Powerful NASA digital enhancement curves built-in
- Digital image processing capabilities
- Uses A&A Engineering $49 demodulator
- Image saved for use by other graphics programs
- Full histogram analysis
- Full 8 bit data is stored on diskette or hard disk
- Unattended operation
- Can be setup in 30 minutes
- Call for special pricing

IBM-PC Interface Card and Software - Jim MacLean and Paul Atkinson, 2112 Parsons Avenue, Melbourne, FL 32901, 407-727-3646 - plug in card for IBM XT or AT, 9600 samples/second at 8 bits, automatic synchroniztion for NOAA, METEOR and WEFAX, data saved realtime to hard disk, supports CGA, EGA, and VGA, $300 for hardware and software

Complete Systems - Hardware and Software:

Dallas Remote Imaging Group

P.O. Box 117088
Carrollton, Texas 75011-7088
214 394 7325
Complete Earth-Scan Amiga turnkey system ready to put on air

YU3UMV Digital Storage and Scan Converter for Weather Satellite Images, described in VHF Communications Magazine, Winter 4/82 and Spring 1/83 - Modifications are described in the Satellite Users' Group Journal - JESAUG - available from Jeff Wallach. Back issues of VHF Communicatons and the YU3UMV printed circuit boards are available from Fred Sharp, TimeKit, P.O. Box 22277, Cleveland, OH 44122, phone 216-464-3820.

Loren Johnson, P.O. Box 219, Cleveland, MN 56017, system for the IBM-PC - $750, phone 507-931-4849

WEATHERTRAC[tm] IBM-PC Based Satellite Image Acquisition and Animation System - $1885 for EGA - $3495 for VGA, Fred Bartlett, Softworks, Inc, Allentown, PA, phone 215-395-4441 or George Isleib, Lehighton, PA, phone 717-386-4032

TRUfAX by CompuMAX IBM-PC based facsimile system - $600, Compumax Corporation, 26 West Boylston Street, West Boylston, MA 01583, phone 617-835-2722

Satellite Meteorology:

Satellite Imagery Interpretation for Forcasters - a 3 volume set published in 1985 for NOAA now available from the National Weather Association, 4400 Stamp Road, Room 404, Temple Hills, MD 20748, 301-899-3784, $32 for members, $45 for non-members (Membership is $20.)

Bibliography - Online DATALINK Bulletins: (214 394 7438 -- BBS)

NASA Satellite Prediction Bulletins, NASA-PB.xxx
How to use NASA 2-Line Keplerian Elements
AMSAT Bulletins and Weekly Notes / Orbital Elements
NOAA APT NOTES
NOAA User Bibliography
Summary of Soviet Meteorological Satellites by Grant Zehr
How to Build a Weather Satellite Groundstation (This Primer)
Wrasse Dedicated System Review
GOES VAS Imaging System for the IBM PC, John DuBois W1HDX
LNA for WEFAX-VAS-HRPT-GPS, John Dubois and Greg Ehrler
GOES WEFAX Information Note 89-W1 (3/89)
GOES I-M Converence Summary
Dallas Remote Imaging Group online Image Files

Review DATALINK RBBS bulletins for current information ====> 214 394-7438

DALLAS REMOTE IMAGING GROUP - DRIG Voice: 214 394-7325

Data: 214 394-7438
P.O. Box 117088
Carrollton, TX 75011-7088
ATTENTION: Jeff Wallach, Chairman

|
New or Changed Items = |
|

--

Richard Crisp crisp@mips.com
MIPS Computer Systems !decwrl!mips!crisp
928 Arques MS 2-02 (408) 524-8177
Sunnyvale, Ca 94086

From -4765310461167440802
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,add35c1ccbd99299,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-28 20:03:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: SOLAR TERRESTRIAL FORECAST AND REVIEW
Message-ID: <901028120515.2140264f@HG.ULeth.CA>
Date: 28 Oct 90 19:05:15 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 406
Posted: Sun Oct 28 20:05:15 1990

--- SOLAR TERRESTRIAL FORECAST AND REVIEW ---

October 27 to November 06, 1990

Report Based In-Part from Data Obtained from the
Space Environment Services Center
Boulder Colorado

SOLAR TERRESTRIAL REVIEW AND SHORT-TERM FORECAST

Solar activity between 21 October and 27 October has been mostly Low. Moderate activity did occur early in the period due to several impressive energetic events suspected from Region 6311, which was (at that time) less than a day beyond the western limb. The most impressive was the M8.5/1N major flare of 20 October that was discussed in detail last week. On 23 October, evidence of a potential proton flare was observed when Type II and Type IV radio sweeps were observed accompanied with a slight proton enhancement at satellite altitudes. The Type II and IV sweeps were observed at 08:09 UT on 23 October. The proton enhancement began near 09:00 UT on 23 October. Analysis of the Type II and Type IV radio sweeps resulted in an estimated interplanetary shockwave speed of near 1,600 kilometers per second.

All of this activity was uncorrelated with any optical phenomenon on the visible solar disk. Considering that a region just beyond the west limb spawned the major flare of 20 October, it is reasonable to conclude that the source for the Type II and IV sweeps (as well as the proton enhancement) were likewise produced by a region beyond the west limb. This sets up the interesting possibility of potentially strong solar activity occurring with the return of these active regions in less than two weeks.

Solar activity since 23 October has been low with only minor C-class flaring and subflaring. Several solar filaments also disappeared this week but had almost negligable impacts. The sunspot number for 28 October was 139. The running sunspot number for 28 October is 150. The 90-day average solar flux value is 194.

Geomagnetic activity was low early in the period, but reached minor storm levels on 24 October due to an equatorial coronal hole. Conditions at middle latitudes were mostly Active with at least one minor storm-level magnetic excursion occurring between 12:00 UT and 15:00 UT on 24 October. High latitudes experienced periods of minor to major storming. Activity may have been enhanced somewhat from the large filament which disappeared near 20 October.

Auroral activity reached moderate levels at middle latitudes, while high latitudes experienced predominantly moderate activity with bursts of high auroral activity. Low latitudes unfortunately, were unable to spot any auroral activity.

Radio propagation conditions were good throughout most of the period and over most paths. The only exception was 24 October when degraded conditions were noticed over high and middle latitudes. Periods of poor propagation occurred during the local evening hours due to auroral-induced signal flutter at middle latitudes. The geomagnetic and auroral activity was expected to last longer than it did, but conditions recovered rather quickly on 25 October to near normal.

Solar activity is expected to remain mostly low throughout the next 7 to 10 days (28 October to 06 November). The solar flux appears to have bottomed out for this solar rotation with a minimum of 154 occurring on 26 October. Flux values should begin to rise now with the gradual return of the active solar hemisphere.

We are currently facing the inactive hemisphere of the sun. The sun has maintained a trend of one active and one inactive hemisphere for many months now and is expected to continue this trend into 1991. There is a fairly well positioned coronal hole near the solar meridian (on 27 October) that should have a slight to modest impact with the earth between 29 and 30 October.

Geomagnetic activity is expected to remain mostly quiet to unsettled throughout the next 10 days. The exceptions will be 29 October through near 31 October. At that time, geomagnetic activity is expected to be enhanced somewhat due to the coronal hole discussed above. Conditions may reach active levels at middle latitudes with K indices of 3, peaking possibly at 4. A-Index values for middle latitudes on these dates should range from 10 to near 16. Activity is expected to peak on 30 October over middle latitudes. High latitudes may experience brief periods of minor storming with potential peak K indices near 5 and associated A-indices ranging from 15 to 26. High latitudes will experience most of the activity associated with the coronal impact. Activity over high latitudes should peak on 29 or 30 October. Geomagnetic activity should subside again to mostly unsettled levels for the remainder of the week.

Auroral activity is also expected to become enhanced between near 29 October and 30 October. Activity will remained confined to the high latitude regions where mostly moderate activity should be observed with potential brief bursts of high activity. Middle latitude regions will be able to spot mostly low activity. Low latitudes will likely be unable to spot any auroral activity. Activity is not expected to be very intense.

Lunar phase will interfere with attempts to spot auroral activity this week. Taking lunar phase into consideration, auroral activity will not be visible from low latitudes. Activity at middle latitudes will appear to be of low intensity and may not be visible at all due to the brightness of the northern horizon caused by the moon. High latitudes, however, should easily be able to spot auroral activity despite the brightness of the moon. Activity at high latitudes, however, may appear lower than it actually is, due to the lunar interference.

Radio propagation conditions will remain good throughout the week, except for the period of expected increased geomagnetic and auroral activity between near 29 October and 30 November. Propagation will become noticably degraded at high latitudes as auroral activity produces moderate to strong signal flutter over many HF frequencies. Middle latitudes will notice a slight decrease in propagation quality and signal behavior but should, for the most part, retain good to fair propagation. Low latitudes should remain unscathed by this activity, maintaining mostly good to very good propagation conditions throughout the week.

SUMMARY OF ALL ACTIVE REGIONS VISIBLE ON THE SOLAR DISK AS OF 27 OCTOBER

Region #	Location	LO	Area	Class	LL	Spots	Magnetic Type
6326	S26W71	040	0030	HRX	01	001	ALPHA
6327	N20W61	030	0450	FAO	20	010	BETA
6331	N18W42	011	0060	CAO	14	009	BETA
6337	S14E04	325	1050	EKO	11	024	BETA
6341	N07E13	316	0000	AXX	00	001	ALPHA
6342	N22E42	287	0030	BXO	02	002	BETA
6343	N08E59	270	0030	BXO	05	005	BETA
6344	S21W23	352	0030	BXO	05	007	BETA

NOTES: Area is in million square kilometers. Angular extent (LL) and solar longitude (LO) are in degree's. For more information regarding the terminology used above, request the Glossary of Solar Terrestrial Terms from: "std_oler@hg.uleth.ca".

H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AS OF 24:00 UT ON 27 OCTOBER.

REGION	LOCATION	LO	COMMENTS (IF ANY)
6328	N03W63	032	
6332	S07W31	360	
6333	N24W28	357	
6334	S12W31	360	
6335	N12W18	347	
6336	S20W75	044	
6338	S06E08	321	
6339	S38W49	018	
6340	S28W82	051	

ACTIVE REGIONS DUE TO RETURN BETWEEN 28 OCTOBER AND 30 OCTOBER

Region	Latitude	Longitude (Helio.)
6300	N14	234
6302	S17	209

NOTES:
For definitions regarding the above, request the Glossary of Solar Terrestrial Terms from "std_oler@hg.uleth.ca".

GRAPHICAL ANALYSIS OF RECENT GEOMAGNETIC ACTIVITY - BOULDER COLORADO

```
                  Cumulative Geomagnetic Activity History
             Peak Geomagnetic Activity during the past 87 hours
     _________________________________________________________________
    |  EXTREMELY SEVERE |        |        |        |     | VERY HIGH! |
    | VERY SEVERE STORM |        |        |        |     | HIGH       |
    |      SEVERE STORM |        |        |        |     | MODERATE   |
    |       MAJOR STORM |        |        |        |     | MODERATE   |
    |       MINOR STORM |   *    |        |        |     | LOW        |
    |       VERY ACTIVE | * **   |        |        |     | NONE - LOW |
    |            ACTIVE |****** *|* *     |  * *   |*    | NONE       |
    |         UNSETTLED |********|******* |  ***** |* ***| NONE       |
    |             QUIET |********|********|********|*****| NONE       |
    |        VERY QUIET |********|********|********|*****| NONE       |
    |-------------------|--------|--------|--------|-----|------------|
    | Geomagnetic Field |  Wed.  |  Thu.  |  Fri.  | Sat.|  Anomaly   |
    |    Conditions     |    Given in 3-hour intervals   | Intensity  |
    |_________________________________________________________________|
```

NOTES:

This graph ONLY depicts geomagnetic conditions observed at Boulder, Colorado for the past 87 hours. Conditions to the north of Boulder will generally have slightly higher activity than Boulder, while conditions to the south of Boulder will likely have lower activity than those depicted here. However, the plots should present a good approximate average of planetary geomagnetic conditions.

"Anomaly Intensity" is meant to represent nothing more than a very rough guide to the --potential-- interaction geomagnetic fluctuations --might-- have on earth-based systems sensitive to magnetic fluctuations (ie. electrical power distribution networks, telecommunications networks, etc.).

For radio signal propagation purposes, plot lines are approximately proportional to propagation quality when plot lines are below Minor Storm conditions. Propagation quality may deteriorate rapidly (ie. non-proportionally) when plot lines reach or exceed Minor Storm levels. Complete radio blackout conditions on all short-wave frequencies may occur if plot lines reach or exceed Severe Storm levels.

PLANETARY 10-DAY GEOMAGNETIC ACTIVITY OUTLOOK (28 OCTOBER - 06 NOVEMBER)

```
    ________________________________________________________________________
   |  EXTREMELY SEVERE |   |   |   |   |   |   |   |   |   |   | VERY HIGH! |
   | VERY SEVERE STORM |   |   |   |   |   |   |   |   |   |   | HIGH       |
   |      SEVERE STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MAJOR STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MINOR STORM |   |   |   |   |   |   |   |   |   |   | LOW        |
   |       VERY ACTIVE |   |   |   |   |   |   |   |   |   |   | NONE - LOW |
   |            ACTIVE |   | **|***|   |   |   |   |   | * | **| NONE       |
   |         UNSETTLED | * |***|***|***|***| * | * |***|***|***| NONE       |
   |             QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |        VERY QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |-------------------|---|---|---|---|---|---|---|---|---|---|------------|
   | Geomagnetic Field |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|  Anomaly   |
   |    Conditions     |       Given in 8-hour intervals       | Intensity  |
   |_______________________________________________________________________|
```

NOTES:

Predicted geomagnetic activity is based heavily on recurrent phenomena. Transient energetic solar events cannot be predicted reliably over periods in excess of several days. Hence, there may be some deviations from the predictions due to the unpredictable transient solar component.

GRAPHICAL ANALYSIS OF SOLAR ACTIVITY OVER THE PAST 60 DAYS

```
                   Cumulative Graphical Analysis of
                           Solar Activity

    ____________________________________________________________
242|                                                            | MOD.
235|                                                            | MOD.
228|   F = Major Flare(s)                         *             | MOD.
```

```
221|                                               **  *        | MOD.
215|*                                             ***  *        | MOD.
208|*                    *                        ***  *        | MOD.
201|**              ** F**                     * ****  *        | MOD.
194|**             ****F****                   ****** **F       | MOD.
187|**            *****F*****                 **********F*      | LOW
180|***           *****F******          *    ***********F*      | LOW
173|***          ******F*******        **   ************F*      | LOW
166|****       ********F*******        *****************F**     | LOW
160|***** *  * ********F********      ******************F*** * *| LOW
153|*******************F*********   ********************F*******| LOW
146|*******************F********************************F*******| LOW
    ------------------------------------------------------------
               Cumulative 60 day Solar Activity Record
                   Start Date:  August 29, 1990
```

NOTES:

Left-hand column digits represent the 10.7 cm solar radio flux obtained from Ottawa. The right-hand column describes the relative solar activity for that period based on the average number of major and minor flares that can be expected for related solar flux values. Plot lines labeled with the letter "F" represent days where at least one major flare occurred (ie. class M5 or greater flare).

RADIO SIGNAL PROPAGATION PREDICTIONS (28 OCTOBER - 06 NOVEMBER)

```
                              High Latitude Paths

            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |   |   |   |   |   |   |   |   |   |   |
           |           GOOD |   |   |   |   |   |   |   |   |   |   |
           |           FAIR |***|   |   |  *|* *|***|* *|  *|  *|  *|
           |           POOR |   |***|***|** | * |   | * |** |** |** |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Each Line Represents 8-Hours      |
            --------------------------------------------------------
```

```
                             Middle Latitude Paths

            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |* *|*  |   |   |   |   |   |   |   |   |
           |           GOOD | * | **|* *|* *|***|***|***|* *|* *|  *|
           |           FAIR |   |   | * | * |   |   |   | * | * |** |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Each Line Represents 8-Hours      |
            --------------------------------------------------------

                                Low Latitude Paths
            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |* *|* *|  *|  *|* *|* *|* *|  *|   |   |
           |           GOOD | * | * |** |** | * | * | * |** |***|***|
           |           FAIR |   |   |   |   |   |   |   |   |   |   |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |      Each Line Represents 8-Hours      |
            --------------------------------------------------------

NOTES:
       High latitudes >= 55       degree's north latitude
     Middle latitudes >= 40 < 55  degree's north latitude
        Low latitudes  < 40       degree's north latitude


AURORAL ACTIVITY PREDICTIONS (28 OCTOBER - 06 NOVEMBER)

                            High Latitude Locations
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   |   |   |   |   |   |   |   |
           |       MODERATE |   | **|***| * |   |   |   |   |   |   |
           |            LOW |   |***|***|***|***| * | * | * |***|***|
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |   Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------

                          Middle Latitude Locations
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   |   |   |   |   |   |   |   |
           |       MODERATE |   |   |   |   |   |   |   |   |   |   |
           |            LOW |   | * | * | * |   |   |   |   | * | * |
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |   Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------

                             Low Latitude Locations
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   |   |   |   |   |   |   |   |
           |       MODERATE |   |   |   |   |   |   |   |   |   |   |
           |            LOW |   |   |   |   |   |   |   |   |   |   |
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------
```

NOTES:

Latitudinal boundaries are the same as those given above for radio propagation quality. Periods of high auroral activity may be suitable for auroral-propagation. Locally visible moderate auroral activity will almost always cause moderate to strong deterioration in HF signals, while locally visible high auroral activity will render most HF bands useless.

Auroral activity is defined as follows:

NOT VISIBLE: Not visible

LOW: Diffuse, inactive auroral activity visible very near the northern horizon for mid and low latitudes.

MODERATE: Visibly active, but not exceptionally bright auroral activity most visible above the northern horizon for mid to high latitudes. This type of activity usually encompasses torch-like (or beam-like) aurorae mixed with low-intensity curtain aurorae.

HIGH: Visibly very active, with periods of bright, pulsating curtain aurorae possibly mixed with moderate intensity zenith aurorae. Can occur to the north as well as stretching up near the zenith, particularly at middle latitudes. There may be some color fluctuations discernable.

VERY HIGH: Very active, very bright and very colorful auroral activity possibly mixed with intense zenith and curtain aurorae. Visibly strong pulsations with auroral boundaries to the zenith, stretching even partway to the southern hemisphere of the sky.

EXTREMELY HIGH: Rare, incredibly bright auroral activity with rapid color and brightness fluctuations mixed with very strong rapid auroral pulsations visible throughout the entire sky.

There are three plotted lines per day in the auroral activity prediction charts. Each of these three plotted lines represent three periods during the evening/morning when auroral activity can be seen. The first line represents the evening twilight period. The middle line represents the --local-- midnight sector, while the last line of each day represents the morning twilight period.

The auroral activity predictions charts are heavily based on recurrent phenomena and may not be accurate in the longer-term due to unforseen and unpredictable transient events (ie. such as solar flares).

The visibility of auroral activity depends on your location and the brightness of the sky (which is dependent upon both city lights and lunar phase). These charts do not account for these variations. The charts are based on dark-sky conditions (lunar phase excluded). Aurorae occur independent of sky brightness, so just because auroral activity may not be directly visible (due to lunar phase, for example) does not mean auroral activity isn't in progress.

** End of Report **

From -1804948311291672675
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,65f115ecaa22b0a2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-28 20:04:49 PST
Path: gmdzi!unido!mcsun!hp4nl!phigate!philica!geertj
From: geertj@philica.ica.philips.nl (Geert Jan de Groot)
Newsgroups: rec.ham-radio
Subject: Antennas: values for load coils?
Message-ID: <697@philica.ica.philips.nl>
Date: 28 Oct 90 16:46:29 GMT
Reply-To: geertj@ica00.ica.philips.nl (Geert Jan de Groot)
Organization: Philips TDS, Innovation Centre Aachen
Lines: 47
Posted: Sun Oct 28 17:46:29 1990

I have a question regarding antenna technology, one of the areas of Amateur Radio I don't know very much about. I hope someone can give me some insight:

I have some superreg receivers, to be used during a fox hunt. They are built for 2m. Each one consists of a box with two 1/4 lambda antennas (symetrical fed):

```
          50 cm     _____     50cm
     ---------------|   |---------------
                    |   |
                    |   |
                    -----
```

For a couple of reasons, I want to change these boxes for usage on 6m. Changing the receiver itself is no problem. making the antennas work is a problem: if possible, I want to use the same antennas. 1/4 lambda antennas for 6 meter become a problem to handle (3 meters long!).

I am thinking of adding a coil in series with each antenna wire in the box.

I think this has been done before (CB antennas come to mind).

Question rises if this is a Good Idea:
1. What value should these coils have? How do I find these values?
2. Will a base-loaded antenna like this still work for direction finding?
3. Other things to look out for?
4. Better approaches?

The idea is that I can change the receivers back to 2 meter when our special 6m license expires. That is one of the reasons not wanting to change the antennas.

I hope you can help me out. Thanks in advance,

73 Geert Jan PE1HZG

--8<--nip-nip--

Geert Jan de Groot,   Email: geertj@ica.philips.nl
Philips ICA,   ..!hp4nl!philica!geertj
Weisshausstrasse,   Ham: PE1HZG
5100 Aachen, West-Germany

phone: +49 241 6003 714   "Programs are like waffles:
fax: +49 241 6003 709   you should always throw the first one out"
[Standard disclaimers apply]   - Sutherland

From -3504321668700352067
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0af19d639cca48
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-28 20:09:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!wuarchive!umich!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: Re; the decline of CW
Message-ID: <1990Oct28.164609.8286@NCoast.ORG>
Date: 28 Oct 90 16:46:09 GMT
References: <1990Oct18.233813.21773@informix.com> <7880328@hpfcdc.HP.COM>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 23
Posted: Sun Oct 28 17:46:09 1990

As quoted from someoen whose attribution never made it here:
+---------------
| >>>>CW is the FUNDAMENTAL TRADITION of Amateur Radio. Without it you ain't no
| >>>>ham.
+---------------

Gee, that's funny... I see in the five fundamental principles of amateur radio no mention of the retention of CW as an active mode. I suppose it's time to petition the FCC to correct this oversight?

You may like CW, I like CW, but that does not mean that CW or any other so-called "FUNDAMENTAL TRADITION" should be forced down everyone's throats.

(Why, oh why, am I writing this? I persist in expecting rationality from people when I should know by now that everyone expects their own beliefs to be the ultimate law for all others. [For the sarcasm-impaired: HEAVY sarcasm.])

++Brandon
--
```
Me: Brandon S. Allbery              VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR              AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

From -1046839198419506513
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd0c6c81e8614647
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-28 20:09:43 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!usc!wuarchive!umich!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: Ham Radio Pub. "Communications Quarterly"
Message-ID: <1990Oct28.174536.9636@NCoast.ORG>
Date: 28 Oct 90 17:45:36 GMT
References: <9010231900.AA29198@ucsd.edu> <447@ssc.UUCP>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 28
Posted: Sun Oct 28 18:45:36 1990

As quoted from <447@ssc.UUCP> by tad@ssc.UUCP (Tad Cook):
+---------------
| In article <9010231900.AA29198@ucsd.edu>, BRUCEH@UTKVX3.BITNET writes:
| > I just got some info. in the mail about a new publication for
| > Ham Radio. It is called Communications Quarterly. From reading the
|
| It is supposed to be a technical quarterly to help take the place of
| the vanished HAM RADIO magazine.
|
| No one has seen a copy yet, but my reaction is that it sure is
| EXPEN$IVE. Costs as much as a monthly magazine, but it only comes
| out quarterly.
+---------------

You expected differently? If there were advertizers out there for techie
magazines, HAM RADIO Magazine would still be around, instead of being a nod in
the general direction of technical hams by CQ.

I'd like to see an issue myself. If it turns out to be a good technical
magazine, I'd be willing to shell out for it; <insert favorite deity, if any>
knows the companies which cater to appliance ops won't.

```
++Brandon
--
Me: Brandon S. Allbery                  VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG                 Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR                  AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

From 8591893327558876309
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e1624c070a03604
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-28 20:09:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!sdd.hp.com!wuarchive!umich!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: fake station calls
Message-ID: <1990Oct28.173952.9035@NCoast.ORG>
Date: 28 Oct 90 17:39:52 GMT
References: <38596@ut-emx.uucp> <45926@apple.Apple.COM>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 39
Posted: Sun Oct 28 18:39:52 1990

As quoted from <45926@apple.Apple.COM> by winter@Apple.COM (Patty Winter):

```
+---------------
| In article <38596@ut-emx.uucp> oo7@ut-emx.uucp (Webster Smogpule III) writes:
| >David.Stark@f218.n260.z1.FIDONET.ORG (David Stark) enlightens us with:
| >> My guess would be Ecuador, since HCJB is there.
| >
| >You only have to look in e.g. an ARRL log book (price $2.50 at all good
| >Olde Phartes Bookshoppes) to see that HO is used by Panama.  See, you
| >don't have to guess, you can actually find out the answer and post that.
|
| It's even easier than that. The table of international prefix allocations
| appears in at least five places that I know of:
|
|    o ARRL log books, as Derek mentioned
|    o The North American Callbook
|    o The International Callbook
|    o The DXCC Countries List
|    o The ARRL Handbook
```

+---------------

Not to mention the back of the Gordon West/Icom "HF Band Limits" card, which I got with my Tech/General theory set and keep next to my radio. I don't have to ask, just look it up in the chart.

Someday I may arrange for something to make this even more handy, ex. a Mac DA (small app. if/when System 7 comes out (hint, hint)). But for now I use the chart with no problems. (Then again, a sloping dipole with a max. height of 25 ft. and mostly in the shadow of a building does not make for a DX hunter.) (On the other hand, there's been an impressive number of DX calls on my backup 10m sideband rig the past few days. No doubt the CQWW sideband contest is partially to blame [;-)] but I still can't believe I'm hearing them. If I cared about contesting I might try contacting them....)

```
++Brandon
--
Me: Brandon S. Allbery              VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR              AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

From 5883316255680041286
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-28 20:12:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!umich!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Oct28.180507.10292@NCoast.ORG>
Date: 28 Oct 90 18:05:07 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 31
Posted: Sun Oct 28 19:05:07 1990

As quoted from <1990Oct24.170127.2103@dcdwest.uucp> by plb@dcdwest.uucp (Phil Blais):
+---------------
| I have very mixed feelings re the communicators license. From the
| traditional viewpoint "if had I to - so shud you" attitude I'm against
| the no code license. IMHO the no code advocates are sterotypical of the 'me'
| generation i.e. want it all but aren't willing to work for it.
+---------------

Tradition holds no weight with me. The laziness argument holds no weight with me because it is a negative argument with no corresponding positive argument.

I request *again* reasons why CW *should* be required of *all* hams. Reasons which do not boil down to negative arguments but positive ones saying what specific benefit comes of requiring CW of all hams *and* *proving* *it* --- the few respondents providing positive reasons have so far stumbled because of either the proof or the requirement that it apply to *all* hams. Since in four months, three online services and the local club have yet to succeed, I don't expect anything this time, but I give you the chance anyway. *Convince* *me*, I will accept reasonable arguments if you can prove that they actually apply to the topic at hand and not a straw man (like a local club member likes to use) or something worthless to the survival of U.S. ham radio like tradition. (Traditions are great, but they won't stop the FCC from parceling out our bands to the highest bidder a' la 220MHz.)

Awaiting what will in all likelihood be much heat and no light,
++Brandon
--
Me: Brandon S. Allbery   VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG   Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR   AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery   Delphi: ALLBERY

From 7145207320960504456
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d40a6c2947c8984b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-28 20:28:40 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!OSUCC.BITNET!AGENGCC
From: AGENGCC@OSUCC.BITNET
Newsgroups: rec.ham-radio
Subject: Computer interference & cars New Problems
Message-ID: <9010281920.AA28323@ucsd.edu>
Date: 28 Oct 90 19:16:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 22
Posted: Sun Oct 28 20:16:00 1990

Most of the problems I see posted regarding RF <-> automotive problems look to me like the computer getting into the radio or the other way around. As we put more and more computers in cars the interference problems are going to increase.

In reading through some of the literature an automotive and agricultural networks I find that Chrysler has standardized on a single wire network connection among the various embedded computer that will be scattered around cars of 90's. This would be a wire of some length say, 2 meters terminated by computer gates of about 100 ohms impedance if I my recall is correct this is called a Beverage antenna. To keep interference down in either direction will be interesting.

Some of the automotive networks operate at 1 megabaud. With
the forecast death of CW maybe we could use these soon to be
abandoned bands as inter automotive comunication.

Gordon Couger N5QAQ

From -6987361682786300689
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-28 20:29:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!samsung!cs.utexas.edu!tut.cis.ohio-state.edu!rutgers!
bellcore-2!thumper!karn
From: karn@thumper..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Oct28.191442.16979@bellcore-2.bellcore.com>
Date: 28 Oct 90 19:14:42 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct24.200305.9402@athena.mit.edu> <9217@b11.ingr.com>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 20
Posted: Sun Oct 28 20:14:42 1990

In article <9217@b11.ingr.com> herbster@b11.ingr.com (Joe Herbster) writes:
>   What is so SPECIAL about CW....
>
>1) EFFICIENT. CW is conservative of band spectrum.[...]
>2) SIMPLICITY. CW is the simplest form of communications [...]
>3) FRIENDLY. CW at 15wpm+ lopes along at an easy conversational pace [..]
>4) HISTORIC. [...]
>5) REWARDING. Communicating via CW is a "SKILL" [...]

Herbi,

Points 3, 4 and 5 are personal opinions. Points 1 and 2 are provably false assertions. See my Reply Comments on PR Docket 90-55 for the details; I posted it here back in early September.

None of your points constitute valid arguments against a codeless license, although you are perfectly free to promote voluntary proficiency in or use of CW by anyone who will listen.

Phil

From -1897460998653775543
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1a674000188cc7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-28 21:04:53 PST
Path: gmdzi!unido!mcsun!uunet!unsvax!jimi!tahoe!apple!netcom!feustel
From: feustel@netcom.UUCP (David Feustel)
Newsgroups: rec.ham-radio
Subject: Re: Radio privacy - the future
Message-ID: <15724@netcom.UUCP>
Date: 28 Oct 90 13:57:01 GMT
References: <8797@cpoint.clearpoint.com>
Organization: DAFCO - An OS/2 Oasis
Lines: 3
Posted: Sun Oct 28 14:57:01 1990

You didn't mention spread sprectrum.
--
David Feustel, 1930 Curdes Ave, Fort Wayne, IN 46805, (219) 482-9631

From -4911096226537146646
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1a674000188cc7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-28 22:35:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uwm.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Radio privacy - the future
Message-ID: <1990Oct28.214323.18717@ux1.cso.uiuc.edu>
Date: 28 Oct 90 21:43:23 GMT
References: <8797@cpoint.clearpoint.com>
Organization: University of Illinois at Urbana
Lines: 61
Posted: Sun Oct 28 22:43:23 1990

die@cpoint (David I. Emery) writes:

>   I think we all have to accept that eventually (maybe even soon):

Sorry, I do not accept the eventuality of it. But I certainly do
acknowledge the POSSIBILITY of it, and that this possibility can be
a certainty if we take not action and let it.

>   1. Almost everything of much general interest will be encrypted
>securely enough so that only stupid key management will render it vulnerable.

This is likely to be the case and is what SHOULD happen.

>   2. What isn't encrypted will be massively illegal to listen to

>and people will really be going to jail and having their equipment
>confiscated for trying.   Simply enforcing a broad construction of the
>the present ECPA as it stands would go pretty far in this direction.

This could happen, but strong lobbying, with encryption technology as the
evidence can prevent this. If it can be held out until #1 is well under
way to full implementation, then #2 won't really become a worry anymore.

>   3. Scanners and other general converage radios will become
>contraband, illegal to possess regardless of what they are actually
>tuned to.   This is the only way that enforcing an anti-listening
>("privacy") law could possibly be practical, as the actual act of
>listening is so passive, private, and undetectable.

While the USSR becomes freer, the USA becomes more restrictive. This
is also not an eventuality unless we let it be (and we seem to be).

Such a ban would have severe consequences. Ham radio operators would
not be able to check for harmonics in their signals, and ham radio itself
could have its very existance threatened.

>   4. The public will be assured that now everything is illegal
>and the laws are being enforced that their unencrypted communications
>are quite safe (such as cellular phones), and private individuals
>will be slow to actually use available security technology.   As a
>result both criminals, and the shadier side of law enforcement will
>be happily able to monitor private individuals for very questionable
>purposes well into the forseeable future.

This won't happen unless government causes encryption to be compromised
in some ways. It has been suggested by some that DES is so compromised
by the NSA. Even if that is true, they still need a significant (though
apparently they have it) computational power to break it. They cannot
listen to ALL communications.

Computing power continues to increase. What was once mainframe power is
now in your hand. Imagine what a collections of 65,536 processors of 1999
technology will be able to do. It will be necessary for cryptology to keep
up with this (theoretically it can) and for that to be available to everyone
for their appropriate communications (paranoid governments won't allow it).

Presently cryptographic technology has more restrictions that general
coverage receivers. Think about it.

--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 2998422977050590406
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-10-28 23:48:19 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Oct28.185659.11837@NCoast.ORG>
Date: 28 Oct 90 18:56:59 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp> <1990Oct24.200305.9402@athena.mit.edu> <9217@b11.ingr.com>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 185
Posted: Sun Oct 28 19:56:59 1990

Here I go again, trying to reason with folks whose minds are made up and won't listen to (or will twist into their own shapes) anything that doesn't fit their prejudices. Was it Phil Karn who pulled out the straw-man demolisher posting last time? Maybe it's time for a repost.

As quoted from <9217@b11.ingr.com> by herbster@b11.ingr.com (Joe Herbster):
+---------------
| In article <1990Oct24.200305.9402@athena.mit.edu>, tmurphy@athena.mit.edu (Thomas C Murphy) writes:
| > In article <1990Oct24.170127.2103@dcdwest.uucp> plb@dcdwest.uucp (Phil Blais) writes:
| > >
| [trimmed.....]
| > >the no code license. IMHO the no code advocates are sterotypical of the 'me'
| > >generation i.e. want it all but aren't willing to work for it.
| hmmmmmmm......get out the asbestos suit......
| > Sometimes I think I'll scream if I see this type of comment one more
| > time.
| sounds like the whining "me" generation to me..........
+---------------

I am sick and tired of all the self-proclaimed Gods of Ham Radio who insist that because they like Morse Code, they have the right to force it on everyone else. Since when does the fact that you like it count for anyone except yourself?

And DON'T spout laziness at me. I learned the code at 5wpm, am polishing my 13wpm and looking toward higher speeds. I *use* CW. Yet I see no reason not to have a no-code license. (One straw man demolished.) And laziness, as spouted by all you pedagogues, sounds suspiciously like whining about YOUR work in learning Morse Code being supposedly declared worthless, BECAUSE YOU HAVE YET TO PROVIDE A GOOD REASON FOR ALL HAMS TO LEARN MORSE CODE.

(Note the *supposedly*. Another straw man demolished: we are not declaring CW an illegal or invalid mode, just stating that it is not the Exalted All-Highest GOD MODE.)

More straw men below: lots of folks beat you to it, but none of them passed *all* the tests, then or now.

```
+---------------
| 1) EFFICIENT.  CW is conservative of band spectrum.  CW is "THE" QRP
|        mode.  CW is "fault-tolerant" as a digital mode.  The good
|        old gray-matter processor still beats the best CPU algorithm
|        ever written for pulling meaning out of the mud.
+---------------
```

Fine, so CW is a good mode for getting through. It is efficient ONLY in terms of bandwidth, however; it absolutely flunks the test of efficiency in practical terms, e.g. information flow vs. time. And its inefficiency in that respect is the main reason it can get through when other modes can't.

Moreover, this doesn't demonstrate a requirement for all hams to know or use it. If the bandwidth argument were *that* important, land mobile would be using CW. And some of us aren't able to work QRP (in my case, I have no way of getting a hundred milliwatts to go anywhere except into the walls of the courtyard surrounding my apartment; I get d*mned little signal out of here with 100 watts into the antenna!). And in any case, QRP is not a fundamental purpose of amateur radio.

```
+---------------
| 2) SIMPLICITY.  CW is the simplest form of communications to build a
|        transmitter or receiver for.  New hams can be encouraged to
+---------------
```

Transmitter, yes. Receiver, no. Or have you, presumably more experienced with older equipment than I, forgotten that one can build an AM reciever using a single crystal and very little else? Or even a nail?

```
+---------------
|        excessive cost.  In the event of an EXTREME emergency, this
|        is the easiest mode to "Improvise-and-communicate" with.
|        CW requires no modulation, modems, software, .....
+---------------
```

In the event of an EXTREME emergency, if I have anything around to improvise FROM, it's probably a 2m or 220MHz HT which is in working order. If I don't have that around, chances are bI have nothing else from which I can devise *anything* except aformentioned AM receiver.

```
+---------------
| 3) FRIENDLY.  CW at 15wpm+ lopes along at an easy conversational pace
|        allowing one to think of something interesting to say while
|        sending.  CW even has a parallel to the smiley .... ..
+---------------
```

Good. Now why does this apply to ALL HAMS ALL HAMS ALL HAMS ALL HAMS ???????? The favorite straw-man tactic: tell us why it's good in and of itself, not why it's so good that all hams ABSOLUTELY MUST WITH NO EXCEPTIONS learn it.

+---------------
| CW may be used by the speech impaired, sight impaired, and
| the hearing impaired equally without extensive adaptation.
| It is difficult to scream, rant, or rave in CW.
+---------------

This I will grant. It still doesn't make it exalted to the point where all hams MUST BY LAW WITHOUT EXCEPTION demonstrate proficiency in it.

+---------------
| 4) HISTORIC. (this is where the flames will come from ;-) Samuel Morse
| and his code have been historically significant to the
| evolution of Amateur radio. It is also the only digital
| mode easily recognized by non-amateurs in movies etc. CW has
+---------------

So show me the line in Part 97 that states that amateur radio exists to provide a showcase for historical radio equipment and procedures. What *I* see in Part 97 is:

"SECTION 97.1 BASIS AND PURPOSE

" The rules and regulations in this Part are designed to provide an amateur radio service having a fundamental purpose as expressed in the following principles:

"(a) Recognition and enhancement of the amateur service to the public as a voluntary noncommercial communications service, particularly with respect to providing emergency communications.

"(b) Continuation and extension of the amateur's proven ability to contribute to the advancement of the radio art.

"(c) Encouragement and improvement of the amateur service through rules which provide for advancing skills in both the communication and technical phases of the art.

"(d) Expansion of the existing reservoir within the radio service of trained operators, technicians, and electronics experts.

"(e) Continuation and extension of the amateur's unique ability to enhance international goodwill."

Please note that CW is not mentioned even once, nor is preservation of antiquated radio techniques. Moreover, CW does nothing at all for (b) and (d) and does little for (a) (both voice and, increasingly, packet have supplanted it because they are more efficient IN TERMS OF INFORMATION PER TIME and because they are conducive to third-party emergency communications).

(c) is irrelevant, because it is an inverse relationship, i.e. it says nothing about how any form of communication enhances the amateur radio service but instead how the amateur radio service can enhance any form of communication.

What's left is (e). Which is the straw man EVERY ANTI-COMMUNICATOR ends up with, because it's the only one that has anything remotely resembling a good argument for it, along the lines of it's *already* used that way. (Yes, I know, you say you aren't anti-Communicator. Nevertheless, this is the most popular argument.)

Another straw man trashed: what's used that way is not CW, but prosigns and Q signals. Both of which are used on packet, and Q signals can be used on voice --- and simple single words are used for the prosigns. To express anything not covered by prosigns or Q signals in voice, packet, OR CW, you still need a language in common.

```
+---------------
|        its roots in pre-telephone telegraph communications.  How can
|        children play "cowboys-&-Indians" without a rail-road telegraph
|        operator??
+---------------
```

I know the argument by tradition / history is common, but an argument by *sentimentality*???! Oh, come on. This one doesn't even deserve refutation. Relevance index: zero.

```
+---------------
| 5) REWARDING.  Communicating via CW is a "SKILL" and thus rewards the
|        operator with a sense of accomplishment and satisfaction.
+---------------
```

Communicating via QRP SSB is a SKILL and thus rewards the operator with a sense of accomplishment and satisfaction.

Communicating via auroral propagation --- any mode --- is a SKILL and thus rewards the operator with a sense of accomplishment and satisfaction.

And please demonstrate that this applies to all hams, and that this is the ONLY way to gain a sense of accomplishment and satisfaction.

So: five straw men proposed, five demolished. Next?

++Brandon
--
```
Me: Brandon S. Allbery              VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR              AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

From -9112938675659797255
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed5bb56e4039ae0b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-28 23:48:33 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery

From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: gender neutral pronouns (was: Re: The Dube dude)
Message-ID: <1990Oct28.191139.12190@NCoast.ORG>
Date: 28 Oct 90 19:11:39 GMT
References: <38680@ut-emx.uucp> <1990Oct25.094613@ultnix.enet.dec.com>
<1990Oct26.012152.18380@cunixf.cc.columbia.edu>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 24
Posted: Sun Oct 28 20:11:39 1990

As quoted from <1990Oct26.012152.18380@cunixf.cc.columbia.edu> by
gp15@cunixf.cc.columbia.edu (Gerald Pulver):

```
+---------------
| In article <1990Oct25.094613@ultnix.enet.dec.com>
| taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber) writes:
| >Personally, I back the use of "they"/"their"
| >over such awful contructions as "he/she" or the muy disgusto "heesh."
|
| How about "s/he"?
+---------------
```

Try saying it over voice. (Oh, oh, another argument in favor of CW --- except that it's obviously workable on packet, too. Oh, well, maybe they'll just ignore that annoying little fact liek they do so many others.) And even in CW/RTTY/packet, it's a pain.

I used to use "s/he"; now I just use "they". Easier and less messy. And less annoying to read.

++Brandon

```
--
Me: Brandon S. Allbery              VHF/UHF: KB8JRR on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR              AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

From -2348972174736981424
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4fddbe0d1e4f804
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-29 07:07:02 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!rpi!batcomputer!
cornell!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!
f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: Code & other requirements
Message-ID: <174.272B8106@rochgte.FIDONET.ORG>
Date: 28 Oct 90 20:18:11 GMT

Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 29
Posted: Sun Oct 28 21:18:11 1990

> What? One minute solid copy or answering 7 of 10 multiple guess questions
> on received text is a test of on-the-air procedures? I hope not!

I agree with you there. In fact, I would like to ask whether any VEs are giving the code exam with multiple-choice questions. It seems to me that such a method would partially defeat the purpose of the test. The fill-in-the-blank questions that I had to answer when taking tests from the FCC examiners are a better check of accurate copy.

> CW is a MODULATION method not a LANGUAGE! Whatever language you

That is true. Prospective hams are given a Morse code test, not a CW test. Many ignore the distinction.

> Deep Space Network other techniques are used. CW is as valid a modulation
> method as AM or FM and deserves as much attention on the exam as AM or FM
> modulation receives.

You can even send Morse code on AM or FM!   ;-)

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From 5270922816377748804
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2862ba03294dc91c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 14:59:56 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!ncar!gatech!udel!rochester!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Re: Radio Propagation and Nuclear Winter ?
Message-ID: <1990Oct25.175956@envy.bellcore.com>
Date: 25 Oct 90 21:59:56 GMT
References: <9009181856.AA27614@ucsd.edu> <7880294@hpfcdc.HP.COM> <1820@overlf.UUCP>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)

Lines: 23
Posted: Thu Oct 25 22:59:56 1990

In article <7880294@hpfcdc.HP.COM>, perry@hpfcdc.HP.COM (Perry Scott) writes:
> Anybody care to venture a guess what transmission mode will be most
> successful just after the initial EMP ? No... It couldn't be ... HF
> CW ? Gak. That's even scarier than The Bomb itself.

No, not HF CW. Try LF packet radio. Have you heard of the Ground Wave Emergency Network (GWEN)? It is specifically designed to work after the Big One is dropped.

You have to admit that for this application, packet has some nice advantages over CW. For example, it'll keep working after all the humans on the planet (yes, this includes all of the CW operators) have been killed off by radiation. (Remember "On the Beach"?)

I may not think much of the doomsday thinking that led to the construction of GWEN. But I must admit to being glad to have it around because I can use it to annoy the heck out of the "CW, vacuum tubes, blood and guts forever" types who keep insisting that they'll have a complete monopoly on communications after a nuclear war has toasted all of the more modern electronics... :-)

Phil

From -2789934276314731676
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d37ed42e96cad0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 15:04:50 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!newstop!sun!amdcad!
mozart.amd.com!reed
From: reed@mozart.amd.com (David F. Reed)
Newsgroups: rec.ham-radio
Subject: Re: VVV
Message-ID: <1990Oct25.220450.2497@mozart.amd.com>
Date: 25 Oct 90 22:04:50 GMT
References: <33914@nigel.ee.udel.edu> <7880329@hpfcdc.HP.COM>
Organization: Advanced Micro Devices, Inc.
Lines: 14
Posted: Thu Oct 25 23:04:50 1990

VVV ... well the VVV is an old telegraphers convention... sort of like "wake up down the line, I'm gonna send some..."

RYRYRYRY in baudot was not exactly a cal, but a tuning / check the stuff is working...

both serve a similar "test" function. (or so my memory tells me)
73

--
____
"...just my opinion, not speaking for AMD." KK5D / 7J1AGO etc.
David F. Reed   4512 Clarno   Austin TX 78749
packet: KK5D@KB5PM   driving by? try 442.150 repeater

From -1815597128218314609
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,950f41378729264f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 15:06:39 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!ucsd!ucbvax!flopn3.csc.ti.com!rlwest
From: rlwest@flopn3.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: RE: VE Retests
Message-ID: <9010252206.AA13576@tilde>
Date: 25 Oct 90 22:06:39 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 187
Posted: Thu Oct 25 23:06:39 1990

STANDARD DISCAIMER:
I don't speak for other hams' or VEs' intent or opinion. Anybody that does not
understand that from the outset is probably just looking for trouble. :-)

> in <9010242157.AA03831@tilde> Dube Todd   N5PDK writes:
>
> > Now, as I understand it, one can fail an exam, then turn right around and
> > re-take it minutes later. Is this correct?
>
> Yes, but they must pay another fee. ($4.95 or whatever it is at the time.)
>
>   ......True, but fees are not the issue (at least for guys with bux)

As you say, for the discussion in question, it is not specifically relevant,
but a fact nonetheless.

Just remember, it IS an issue for some people. Some kid who gets a fixed
allowance and no help from parents may disagree. Also, some people gripe
about the "THROW MONEY AT IT" theory of solving problems. (but that's another
discussion thread!)

> > Suppose I have gone over the questions the examinee missed, and the
> > same questions just happen to pop up on the next exam I give moments later?
>
> They should not be given exactly the same test. There should not be any of the
> questions exactly the same on another test. [That's why there are about 10
> times the number of questions in the pool as on the test!]

>
> ......Do you run off several different tests for each session and check
> them to see that there are no questions are duplicated?

The exams are taken from W5YI-VEC distribution kits. The VEC prints the test sheets and provides keys and answer sheets. We have one of each different exam. We give the applicant the exam and an answer sheet, and put the exam back in the file when we are through. W5YI-VEC makes up the exams. One question might be on two exams. It is unlikely (but not impossible) for someone to get the exact same question twice.

We trust the VEC on two counts:
(1) The exams are correctly constructed, (including the keys)
(2) The exams in the set for each element are different.

We have had occasion to correct problems with keys (typos, etc.) and some problems go back to the Question Pool itself. We accept the exam sets in good faith and administer them as such. Errors occur rarely enough for us to have confidence in the exams as they stand.

As the bumper sticker says: "SH** HAPPENS!"

> I don't know about other teams and VECs, but our VE team has exam sets
> consisting of several exams for each element. Every applicant that comes
> through our group has an index card with the date, which exam element and
> serial number, and the result (Pass or Fail only). If someone wants to take an
> exam element (code or written) we check (1) if they have a card in our file,
> (2) which, if any, of those exams desired they've seen before.
>
> ......So If I were to fail test #XX today, anand I wanted to take the
> test again, you would give me #YY, which would not have any of the
> questions that were on #XX? In that case, what would be wrong with
> telling me which questions I missed, and going over the correct
> answer; or quickly covering the point(s) the question covered?

What would be wrong with it? In my PERSONAL opinion, nothing. But I don't make the rules. (For that matter, the VEs don't, either, so blaming them is "killing the messenger"!)

From a VE point of view, possibly three things:

(1) Time. If there are a dozen folks taking exams, you can plan on a long session, just giving exams and recording what has to be recorded and filling out the 610s and CSCEs and other paperwork.

Is the applicant willing to wait till all that is over?

If so, IMHO, I believe the VEs should be able to tell them the question numbers (like 3B-4.121 or whatever) then if there is further discussion, it is "offline".

(2) Examiners are not trainers. That's not the purpose of the examination. The examination is intended to assess skills and knowledge, not to teach.

I can give sample exams in a class or a coaching session, but that's training, not an official, creditable exam. We can then go on and discuss what they missed and why.

Someone who is studying on their own can go through all the questions or sample exams and see if they agree with the answer. If they dispute what is in their study material, they can follow whatever steps they deem appropriate.

(3) The rules state what the rules state. Read the rules. IF you think the rules are wrong...[you probably know the rest...]

I believe (not based in fact, I claim no clairvoyance into the minds of the FCC and/or the VECs!) the rule is a continuance of the same rule that applied to some GS-something clerk who used to administer the exams. If you were lucky, you got an "FCC Engineer," but not always.

<<ACTIVATING O.F. MODE>>
(I'm trying to remember the exams I had, and I think I've seen both?)
<<O.F. MODE OFF>>

> If someone comes in who's been with us before, we check and give them a different exam for the element they want. We actually do check, and keep records. That's the best, I think, that we can do, and I think also in most situations, it works. There's always an exception.
>
> > How can I, as a conscientious VE, adhere to the intent of the rules in a case like this (and it is *bound* to happen). It seems to me that I should either not review the missed questions, or I should not allow the examinee to re-take the exam until (24 hours? 3 days?) later. How say ye, sincere netters (and flamer-throwers, too)?
>
> OK here's a scenario. Many VE teams in the Dallas area are W5YI-VEC sponsored. The VEC provides test kits (several exams, appropriate keys, and stuff) to the VE teams.
>
> An individual *-could-* go to VE Team X in the morning, attempt and fail exam 3A-#Z90 (a fictitious number) then go to the next suburb, to where VE Team Y is giving exams that afternoon and get the same exam. VE Team X and Y do not exchange records because the problem is not one that is worth the effort.
>
> ......I'm with you here, but the question was whether I can get the same questions again from *your* tests; not whether I could go somewhere else and see the same questions.

Right. We are really only intending to control our OWN sessions, not anyone else's. It's potentially more bother than it's worth to try and circumvent it.

> The original posting had to do with VEs who refused to let the examinee know which questions he/she missed. If you don't give the same questions twice, I don't see where it's a problem; even if, as one poster stated, the VE's review the correct answers.

The way I read the rules, you only tell them (1) pass/fail and (2) the number missed ((NOT WHICH ONES, JUST HOW MANY!!)) I'll look at that again. Thinking as a test-taker, the specific results (what you missed) might be perceived as a guideline. But as a test-designer, I think the specifics merely point out areas of weakness.

Whether the rules specifically state that you are NOT to do it (as I thought they did) or just state that you don't HAVE to do it, I would have to look again and examine more closely exactly how it is worded.

> As a matter of record, I favor *not* doing this, since I think the
> way the writtens are administered makes it too simple anyway (e.g.
> you can get sets of the exact questions to study, along with the
> answer keys).

Speaking as a trainer as well as a VE, I would be inclined to make a note of the TOPIC AREAS they missed and encourage them to work in those areas. Whether you discuss the specific questions at that time might or might not be helpful in terms of what the person learns. (Unless they are simply parroting "the answer to question 3B-4.121 is 'C'." as opposed to actually learning the material.)

For me, ((PERSONAL OPINION HERE, TAKE IT AS SUCH!)) part of the preparation for a test is knowing the material. Not everybody feels that way. <sigh!>

From the standpoint of making sure the tests are correct, of course, we still find mistakes from time to time. It's a benefit to the VEs to make sure the keys are correct. But that should be (ideally) before the test happens.

OBSERVATION: There are good politicians and bad politicians and good cops and bad cops and good hams and bad hams and good teachers and bad teachers and you can expect there are good VEs and bad VEs. We're dealing with people here, and there are as many different personality types are there are different persons.

There are even good test-takers who study and prepare and pass, or if they don't pass, they have a pretty good idea what they don't know, and go on to do something about it-- (the "IGNORANCE IS CURABLE" theory).

Conversely, there are bad test-takers who get upset that the test is not super easy for them. Even though thousands of others have passed the test, because they didn't pass, THERE MUST BE SOMETHING WRONG WITH THE TEST! (the "EVERYONE IS OUT OF STEP BUT ME" theory).

As far as going over the test at exam time? Is it really trying to find out what was missed, or is it trying to catch the examiner? I can't answer that. Each test taker is different. Read the rules. Follow them or change them.

73==> and keep :-)ing.

Bob WA8YCD
rlwest@flopn2.csc.ti.com

From 4867070107899993258
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32f6ce9c97eeab06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 15:53:45 PST
Path: gmdzi!unido!mcsun!uunet!nih-csl!lhc!adm!cmcl2!yale!cs.utexas.edu!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: So Cal repeater stats (Really: Closed Repeaters)
Message-ID: <5224@qip.UUCP>
Date: 25 Oct 90 22:53:45 GMT
References: <21168@ucsd.Edu> <30500824@ux1.cso.uiuc.edu> <1990Oct24.195436.645@portia.Stanford.EDU>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 12
Posted: Thu Oct 25 23:53:45 1990

In article <1990Oct24.195436.645@portia.Stanford.EDU> paulf@jessica.stanford.edu (Paul Flaherty) writes:
]Operating uninvited on a closed repeater violates the "good amateur practice"
]clause of Part 97.   You might not agree with the decision to close the

Gee... I thought that operating a closed repeater violates "good amateur practice."
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From 3149590019660263419
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56361c93db00e7e2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 17:36:42 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!ogicse!ucsd!usc!apple!bionet!hayes.ims.alaska.edu!acad3.fai.alaska.edu!ftpam1
From: ftpam1@acad3.fai.alaska.edu (MUNTS PHILLIP A)
Newsgroups: rec.ham-radio
Subject: Re: Lose 1.7 to 2.3 Ghz ?
Message-ID: <1990Oct26.003642.11118@hayes.ims.alaska.edu>
Date: 26 Oct 90 00:36:42 GMT
References: <103809@<1990Oct23> <30500825@ux1.cso.uiuc.edu>
Sender: usenet@hayes.ims.alaska.edu (J Random USENET)
Reply-To: ftpam1@acad3.fai.alaska.edu
Organization: University of Alaska Fairbanks
Lines: 35
Posted: Fri Oct 26 01:36:42 1990
News-Software: VAX/VMS VNEWS 1.3-4

```
Nntp-Posting-Host: acad3.fai.alaska.edu

In article <30500825@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes...
>
>> Reading an article in the Oct 22nd, 1990 issue of INFOWORLD, I stumbled acros
>> an article titled 'Apple Petitions FCC For Wireless LAN Use'
>>
>> It seems Apple is looking for exclusive allocation of 1.7 to 2.3 Ghz for high
>> speed data communcations.  Further down the article states:
>>
>>     'Wireless LANs today must share the spectrum with other unlicensed
>>     devices such as microwave ovens and ham radios.'
>>
>> How about that...I didn't need a license after all 8-)
>>
>> Bob Perschau KA9ART
>> perschau@mdcbbs.com
>> uunet!mdcbbs.com!perschau
>
>Hey, now what did I tell you about the media TYPICALLY getting some
>things wrong?
>
>This kind of stuff DOES stick in people's minds.
>
>A lot of letters from angry hams to INFOWORLD is MOST DEFINITELY called
>for here.
>
>--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
><phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.
```

Actually, they are more correct than you might suppose. All the wireless LAN products I have seen advertised operate in 902-928 MHz which is also allocated to...amateur radio, ISM (industrial, scientific, and medical), and a few other oddball services. It would be legal to build a 910 MHz microwave oven and I have data sheets for 910 MHz magnetrons for industrial equipment.

regards, Phil N7AHL

```
From 9080038675950946570
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed5bb56e4039ae0b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 18:21:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!samsung!usc!rutgers!
cunixf.cc.columbia.edu!gp15
From: gp15@cunixf.cc.columbia.edu (Gerald Pulver)
Newsgroups: rec.ham-radio
Subject: gender neutral pronouns (was: Re: The Dube dude)
Keywords: gender neutral pronouns s/he he she
Message-ID: <1990Oct26.012152.18380@cunixf.cc.columbia.edu>
Date: 26 Oct 90 01:21:52 GMT
References: <38680@ut-emx.uucp> <1990Oct25.094613@ultnix.enet.dec.com>
```

Organization: Columbia University
Lines: 8
Posted: Fri Oct 26 02:21:52 1990

In article <1990Oct25.094613@ultnix.enet.dec.com>
taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber) writes:
>...
>Personally, I back the use of "they"/"their"
>over such awful contructions as "he/she" or the muy disgusto "heesh."
>...

How about "s/he"?

From 1252831626249915077
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd9bb53817f810f0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 19:33:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!milton!ogicse!ucsd!ucbvax!OSUCC.BITNET!AGENGCC
From: AGENGCC@OSUCC.BITNET
Newsgroups: rec.ham-radio
Subject: Computer interference & cars.
Message-ID: <9010260240.AA24172@ucsd.edu>
Date: 26 Oct 90 02:33:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Fri Oct 26 03:33:00 1990

It is annoying that cars put out as much noise as they do. I am working on automotive network now and I had to wrap the damn thing in aluminum foil so I could get it to work inside a IBM PC. We have also had trouble with handi-talkies wiping out the automotive computers. By passing, shielding, rf chokes and grounding cure our problems. But Detroit can't afford the $5.00 worth of parts to do this.

The problems are not likely to get better in the short run as some of the stuff has a 16 Mhz clock and generates noise to at least 300 Mhz. It is also extremely susceptible to interference.

My sins have come back to haunt me. I am need to get the computer noise out of a 1990 Bronco. Any and all help is very welcome.

Gordon Couger N5QAQ

From -2585547729218780538
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1293bd2091f7b9b

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 20:06:04 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cica!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: questions regarding Airphone
Message-ID: <249.2727C54D@w8grt.fidonet.org>
Date: 26 Oct 90 03:06:04 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 46
Posted: Fri Oct 26 04:06:04 1990

> From: dan@heimat.UUCP (Dan 'Sneakers' Schein)
> Date: 25 Oct 90 02:52:09 GMT
> Organization: Sneakers Computing, West Lawn, PA
> Message-ID: <210@heimat.UUCP>
> Newsgroups: rec.radio.shortwave,rec.ham-radio
>
> In article <22@kb2ear.UUCP> n2aam@kb2ear.UUCP (Dave Marthouse N2AAM)
> writes:
> >
> >I heard a few years back of a system called Airphone. This system was used
> >
> >for making phone calls from aircraft in flight. I would be interested in
> any
> >
> >information on this system, frequencies, modulation schemes, etc. Any info
> >
> >would be appreciated.
>
> [heres what I got a few months back]
>
> From: cbmvax!vortex.com!lauren (Lauren Weinstein)
>
> The base side is:
>
> 894-896Mhz, .006 spacing, SSB
>
> Plane side is:
>
> 849-851Mhz, .006 spacing, SSB
>
> These are officially considered to be "experimental, temporary"
> allocations.

A friend of mine who recently retired from a post-USAF carer as a pilot on corporate jets told me a few weeks ago that this system is not panning out too well because of the QRM that occurs regularly at 30,000 feet or higher.

--
|\/\/\/|

```
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From -7031721373090503015
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9d729c6a9e6b5e4b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-25 23:30:42 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!apple!portal!
cup.portal.com!wordy
From: wordy@cup.portal.com (Steven K Roberts)
Newsgroups: rec.ham-radio
Subject: Re: GPS Receivers
Message-ID: <35289@cup.portal.com>
Date: 26 Oct 90 06:30:42 GMT
References: <8350001@hpopd.HP.COM> <1250254@hpnmdla.HP.COM>
Organization: The Portal System (TM)
Lines: 14
Posted: Fri Oct 26 07:30:42 1990

An excellent GPS receiver is the TANS from Trimble Navigation. Very
small, low power, and easy to use. Antenna is about 5x5 inches, low
profile phased array. The best part is that unlike some of the models
made for the boating world (like Magellan), the TANS has an RS-422
port and transmits latitude, longitude, elevation, speed, time, and
diagnostic data. Easy to interface. I'm putting one on my bicycle
for nav, mapping, and security.

Contact the company at 800-TRIMBLE or 408-730-2900 (they're in
Sunnyvale).

  Steve Roberts
  N4RVE
  Nomadic Research Labs

From -4991937948961928939
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd0c6c81e8614647,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 00:09:33 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!udel!
rochester!cornell!uw-beaver!sumax!amc-gw!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Ham Radio Pub. "Communications Quarterly"
Summary: $$$$$$
Message-ID: <447@ssc.UUCP>

Date: 26 Oct 90 07:09:33 GMT
References: <9010231900.AA29198@ucsd.edu>
Organization: very little
Lines: 23
Posted: Fri Oct 26 08:09:33 1990

In article <9010231900.AA29198@ucsd.edu>, BRUCEH@UTKVX3.BITNET writes:
> I just got some info. in the mail about a new publication for
> Ham Radio. It is called Communications Quarterly. From reading the
> description it is to be a "hi-tech" magazine with limited advertizing.
> Anyone know any more about it?
>

It is supposed to be a technical quarterly to help take the place of
the vanished HAM RADIO magazine.

No one has seen a copy yet, but my reaction is that it sure is
EXPEN$IVE. Costs as much as a monthly magazine, but it only comes
out quarterly.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -2532279190264250076
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0e3d69ef4f3b377,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 05:33:30 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!
flopn3.csc.ti.com!rlwest
From: rlwest@flopn3.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: Pre/Suf/Fixes
Message-ID: <9010261233.AA25514@tilde>
Date: 26 Oct 90 12:33:30 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25
Posted: Fri Oct 26 13:33:30 1990

In <38716@ut-emx.uucp> Derek Wills (AA5BT, G3NMX) writes:

> I've heard stations in West Virginia signing with their own call /WVA.

That's because nobody outside of Ohio, Pennsylvania, Maryland, Virginia, and selected parts of Kentucky know that West Virginia is a separate state.

Yup. Shore is. Has been since 1863. Even counts towards W.A.S.!!

Seriously. Some people just don't understand. They hear the 8 call and think it's Ohio. When told it's West Virginia, they ask about Richmond.

Listen around the 24th-25th of November for the W.Va. QSO Party!

> Anyway, on the other points, yes, if you live in Texas and use a reciprocal
> call you sign W5/call. [...]

But, the Republic of Texas may not always have reciprocal licensing with the US in the future.

.-)   [that's half a :-) 'cuz I'm only half kidding!]

73,
Bob W5/WA8YCD   [that -8- doesn't mean OHIO, gang!]
rlwest@flopn2.csc.ti.com

From 3297983216142651611
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed5bb56e4039ae0b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 05:42:15 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!mit-eddie!rutgers!sun-barr!newstop!sun!amdcad!mozart.amd.com!reed
From: reed@mozart.amd.com (David F. Reed)
Newsgroups: rec.ham-radio
Subject: Re: The Dube dude
Keywords: exams (with a note on sexism)
Message-ID: <1990Oct26.124215.3104@mozart.amd.com>
Date: 26 Oct 90 12:42:15 GMT
References: <38680@ut-emx.uucp> <1990Oct25.094613@ultnix.enet.dec.com>
Organization: Advanced Micro Devices, Inc.
Lines: 9
Posted: Fri Oct 26 13:42:15 1990

a lot of garbage been flying by here on sexism, and he but not she, etc. so, I propose the "sheheit", perhaps contracted to "sheeit", an expresion which adequately covers this issue (IMHO) since it contains all gender options (she he it), and phonetically reminds one of what this is starting to smell like... any takers?.
--
____
"...just my opinion, not speaking for AMD." KK5D / 7J1AGO etc.
David F. Reed   4512 Clarno   Austin TX 78749
packet: KK5D@KB5PM   driving by? try 442.150 repeater

From -1382843464536519462

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f27237afac47f74b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 06:00:16 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!cs.umn.edu!ub.d.umn.edu!rutgers!ucsd!ucbvax!SICKKIDS.TORONTO.EDU!daniel
From: daniel@SICKKIDS.TORONTO.EDU (Daniel Guerin)
Newsgroups: rec.ham-radio
Subject: Looking for references on CW decoding
Message-ID: <9010261259.AA18872@ucsd.edu>
Date: 26 Oct 90 13:00:16 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Fri Oct 26 14:00:16 1990

I am interested in building a morse code decoder for a Macintosh.
So I am looking for the following:
- schematic for a low cost A/D converter which could send the samples in serial form for capture via the Macintosh serial port
- reference to articles on algorithms for morse decoding; I am looking for something that could automatically adapt to varying speed etc...

I am interested in building the converter and writing the program on the Macintosh (in C) myself, not in buying something ready made. Thanks.

From -1580828163255884196
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5447ff57fe3d6152,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 06:13:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!SATURN.ACC.COM!jhk
From: jhk@SATURN.ACC.COM (John H. Klingelhoeffer)
Newsgroups: rec.ham-radio
Subject: Request for Comments on Automotive Noise (HF)
Message-ID: <9010261313.AA11410@saturn.acc.com>
Date: 26 Oct 90 13:13:16 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 91
Posted: Fri Oct 26 14:13:16 1990

Gentlemen and Ladies;

I originally sent this message privately to a couple of folks on the net, but with the recent flurry of conversation on car RFI, I thought there migth ht be someone with some constructive comments.

You can send your responses to J jhk@saturn.acc.com if you'd like.
Thanks.

original text follows: -----------8<-------------8<-----------------

Gentlemen;

I did not see the text of the original message, but I'm wondering if you've found a solution to a symptom that I've been hearing while trying to operate mobile hf ssb.

This past summer I installed a 15 meter monoband transceiver in my 1985 Chrysler Laser Turbo XT. I immediately noticed that when the engine was running my overall background noise level went up to nearly "half-scale" across the entire band (21-21.450 mhz). This is not ignition or alternator noise; they have distinctive sounds that I've heard in my other vehicles. I do have an all electronic dash, but that noise is generally deterministic (e.g., happens at specific places across the spectrum) while this is very, very broadband, and has no "note" component to the sound. I do have quite a bad birdie from the dash at 21.336, but other than that this broadband hash covers up anything of a lower level.

I did try operating the radio from sealed lead-acid batteries to see if the noise was conducted, and it had absolutely no effect on the level of the noise. It also appears to be entering through the antenna connector, since it disappears when the coax is disconnected (so does any desired signal, too, of course!). I had someone mention a couple of weeks ago that it might be the fuel pump. I suppose that is possible because it looks like a small DC permanent magnet motor (with brushes, I presume) pressurizes the electronic fuel injection system when the engine is running. My only other "first suspicion" is the injectors themselves, although they are inductive and I'd think this would end up being conducted rather than radiated. Does any of this sound similar to the problems you were having or have solved?

Now, let me put a strange twist to the story. I've noticed that this noise, or a similar one that may be masked by the former one, *increases* noticeably when I am driving on concrete highways versus blacktop asphalt! The only thing that I can ascribe this to (if it is indeed the same noise generator) is that the car is somewhat better grounded through the tires to the asphalt surface than to the concrete (asphalt = tar = carbon black = "relatively" conductive surface vs. concrete = silicon = insulator). I use very low profile, very soft compound (lots of carbon black) tires (hey, it is a sports car, after all!). Anyhow, it *is* strange. I have heard of "tire static" in some old handbooks, but of course the wideband noise is there whether the car is rolling or not. Interestingly, also is the fact that the turn signals "modulate" the amplitude of the noise. Very strange.

I have the shop manuals on the car, which shows that the fuel pump

is on the top of the gas tank. It appears that the first place that
I could attempt to easily bypass it is under the rear seat. I'd
like to do it at the source, but that may not be physically
possible.   If I could just get the noise down 15-20 db, that
would probably be plenty. I'd appreciate any info if this sounds
remotely familiar to your situation. Thanks much, and reply by
email, fax or phone is fine.

John...
WB4LNM

```
+---------------------------------------------------------------------------+
|                          ** DISCLAIMER **                                 |
| All of these wonderful ideas and superb comments are not necessarily      |
| the opinion of my employer, nor would I necessarily want them to be.      |
|                              So there.                                    |
+-----------------------------------------+---------------------------------+
|                                         |                                 |
| John H. Klingelhoeffer                  |      THIS SPACE FOR RENT        |
| Director, Government Special Operations |                                 |
| Advanced Computer Communications        +---------------------------------+
| Systems Division                        | Voice: 301-290-8100             |
| 10220 Old Columbia Road                 | Fax:   301-290-8106             |
| Columbia, Maryland  USA   21046-1725    | Radio: 224.56/147.135 WB4LNM    |
|                                         | Internet: jhk@saturn.acc.com    |
+-----------------------------------------+---------------------------------+
```

From 2757179072699109196
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,87bb50aebc386f6a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 06:51:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Anyone used Mini-Circuits MAR-x amps?
Summary: Cross-ref MMICs?
Message-ID: <351@ultrix.uhasun.hartford.edu>
Date: 26 Oct 90 13:51:54 GMT
References: <248@nachos.SSESCO.com> <1250253@hpnmdla.HP.COM>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 12
Posted: Fri Oct 26 14:51:54 1990

In article <1250253@hpnmdla.HP.COM>, glenne@hpnmdla.HP.COM (Glenn Elmore) writes:
[much deleted]
> taken. As far as I know the MAR-6 *is* an MSA-0685.

Glenn, is that the only MAR-x that's "just like" an Avantek part? If not,
is there such a thing as a MSA-to-MAR cross reference?

--
Jon Bloom, KE3Z | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu |
Snail: 225 Main St., Newington, CT 06111 | "I have no opinions."

From -5668256387950794673
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f0959ac43f7ee678
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 07:45:49 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!att!bu.edu!purdue!haven!decuac!
bacchus.pa.dec.com!shlump.nac.dec.com!ryn.esg.dec.com!ultnix.enet.dec.com!taber
From: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood ALC meter and the avoidance of lidditude
Message-ID: <1990Oct26.104549@ultnix.enet.dec.com>
Date: 26 Oct 90 14:45:49 GMT
References: <89675@aerospace.AERO.ORG>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Organization: KC1TD@KB4N.NH.USA.NA.EARTH.SOLAR_SYSTEM.UNIVERSE.MIND_OF_GOD
Lines: 39
Posted: Fri Oct 26 15:45:49 1990

In article <89675@aerospace.AERO.ORG>, obrien@aero.aero.org (Michael O'Brien)
writes:
|>Got some on-air advice this morning that I'd like to check out. I own
|>a Kenwood TS-440S. One of its meter switch positions is for ALC (which,
|>in typical fashion, isn't even defined in the 440 manual. You have to
|>read the 940 manual to find out that it stands for Automatic Limit
|>Control.). They say, "don't let even the peaks of your SSB output
|>go past the end of the red zone." The guys on-air said, "The meter
|>needle shouldn't move at all. If it does you're going to splatter."
|>
|>The best I can figure out is that they're both right. The only
|>thing I can think of is that the meter needle indicates, by moving
|>away from zero, that the transmitter is limiting your peaks to
|>prevent overmodulation, and that if you go past the end of the marked
|>zone, you've exceeded the transmitter's ability to compensate, and will
|>start splattering at that point, but not before.
|>
|>If anyone knows the straight poop on this, I'd appreciate hearing
|>about it. Going off the air for twenty years and then coming back
|>as a "lid" is just what I need.

An interesting question. I read what Kenwood had to say in the TS-440 manual
and eventually got on the air and asked some people to comment on my signal as I
adjusted the the controls. Typically (hey, Derek, did I spell that right? I

can't spell check in the editor with my system.) they reported the best signal with my ALC meter well past the fat red zone. That left me wondering if Kenwood meant that I shouldn't exceed the fat red zone or the little red line that ran under it (which I assumed was purely decorative.) The signal with no bounce in the meter at all, or bounce kept in the "pre-fat red zone" area was described as "awful" and "muddy" even with the processor on.

What's a ham to do?

--
>>>==>PStJTT
Patrick St. Joseph Teahan Taber, KC1TD

If I was authorized to speak for my employer, I'd be too important to waste my time on this crap....

From 5492903682811465872
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed5bb56e4039ae0b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 07:54:56 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!att!bu.edu!purdue!haven!decuac!bacchus.pa.dec.com!shlump.nac.dec.com!ryn.esg.dec.com!ultnix.enet.dec.com!taber
From: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Newsgroups: rec.ham-radio
Subject: Re: gender neutral pronouns (was: Re: The Dube dude)
Keywords: gender neutral pronouns s/he he she
Message-ID: <1990Oct26.105456@ultnix.enet.dec.com>
Date: 26 Oct 90 14:54:56 GMT
References: <1990Oct26.012152.18380@cunixf.cc.columbia.edu> <38680@ut-emx.uucp> <1990Oct25.094613@ultnix.enet.dec.com>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Organization: KC1TD@KB4N.NH.USA.NA.EARTH.SOLAR_SYSTEM.UNIVERSE.MIND_OF_GOD
Lines: 53
Posted: Fri Oct 26 15:54:56 1990

In article <1990Oct26.012152.18380@cunixf.cc.columbia.edu>,
gp15@cunixf.cc.columbia.edu (Gerald Pulver) writes:
|>Path:
ryn.esg.dec.com!shlump.nac.dec.com!decuac!haven!aplcen!samsung!usc!rutgeers!cunixf.cc.columbia.edu!gp15
|>From: gp15@cunixf.cc.columbia.edu (Gerald Pulver)
|>Newsgroups: rec.ham-radio
|>Subject: gender neutral pronouns (was: Re: The Dube dude)
|>Keywords: gender neutral pronouns s/he he she
|>Message-ID: <1990Oct26.012152.18380@cunixf.cc.columbia.edu>
|>Date: 26 Oct 90 01:21:52 GMT
|>References: <38680@ut-emx.uucp> <1990Oct25.094613@ultnix.enet.dec.com>
|>Organization: Columbia University
|>Lines: 8
|>

|>In article <1990Oct25.094613@ultnix.enet.dec.com>
|>taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber) writes:
|>>...
|>>Personally, I back the use of "they"/"their"
|>>over such awful contructions as "he/she" or the muy disgusto "heesh."
|>>...
|>
|>How about "s/he"?
|>

Ptui.

I'd rather use "it" than something like that. Although it's probably easy to re-write the text to avoid the question completely "Patrick Taber, Operator of station KC1TD has provided satisfactory evidence of having met the incredibly low criteria of the Worked All Day Award." works for me just as well as it would for Patricia Taber (ignoring the callsign.)

I don't think there was any sinister purpose in the wording of the awards. In some cases it was thoughtlessness, and in others it was probably blissful ignorance that a problem existed. Countries where English isn't the native language probably still use the 50-year-old english textbooks (some of which still teach the use of "thou") and it wouldn't occur to them to question the assertion that proper English always uses "he/him/his" when the sex of the person spoken about is unknown. Paired with the custom of assigning gender to words in many languages it would probably never occur to those people that there might be something controversial.

First we need to solve the problem (neuter pronouns) then we need to change the text books. Then we have to wait the 100 years or so for it to propagate.

--
>>>==>PStJTT
Patrick St. Joseph Teahan Taber, KC1TD

If I was authorized to speak for my employer, I'd be too important to
waste my time on this crap....

From -5634798658708535524
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,894e3363f10123b5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 08:05:38 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: KENWOOD TM-241A Performance
Message-ID: <1480@ke4zv.UUCP>
Date: 26 Oct 90 15:05:38 GMT
References: <4083@jethro.oakhill.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)

Organization: Gannett Technologies Group
Lines: 22
Posted: Fri Oct 26 16:05:38 1990

In article <4083@jethro.oakhill.UUCP> roman@oakhill.UUCP (Roman Robles) writes:
>
> I bought this unit because of its coverage of the 118-136MHz aircraft
> band. It DOES have an AM detector and it DOES receive signals in this
> part of the spectrum. I am very happy with its performance in the
> 144-148MHz band. HOWEVER, below 124 MHz my unit is virtually useless.
> If I open the squelch up and sit at the end of the runway at Austin
> Mueller, I can hear the ATIS (just barely 119.2).
>
> My question is: does anyone else have anything to report on this
> model? Is this typical? I am using a 5/8 wave antenna on my car
> and I know it is part of the problem, but as things stand now
> this radio is only marginally useful for monitoring these freq.s
> (I am trying to be objective...am I expecting too much?)

Yes you are expecting too much. :-) Seriously, you could carefully
retune the frontend to favor the lower frequency range. This would
probably make it impossible to monitor National Weather, but if
aircraft frequencies are important enough to you, it might be worth
it. Life is a compromise.

Gary KE4ZV

From -7415386345929614406
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f27237afac47f74b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 08:16:55 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!att!bu.edu!purdue!haven!decuac!
bacchus.pa.dec.com!shlump.nac.dec.com!ryn.esg.dec.com!ultnix.enet.dec.com!taber
From: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Newsgroups: rec.ham-radio
Subject: Re: Looking for references on CW decoding
Message-ID: <1990Oct26.111655@ultnix.enet.dec.com>
Date: 26 Oct 90 15:16:55 GMT
References: <9010261259.AA18872@ucsd.edu>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Organization: KC1TD@KB4N.NH.USA.NA.EARTH.SOLAR_SYSTEM.UNIVERSE.MIND_OF_GOD
Lines: 28
Posted: Fri Oct 26 16:16:55 1990

In article <9010261259.AA18872@ucsd.edu>, daniel@SICKKIDS.TORONTO.EDU (Daniel
Guerin) writes:
|>
|>I am interested in building a morse code decoder for a Macintosh.
|>So I am looking for the following:
|>- schematic for a low cost A/D converter which could send the samples

|> in serial form for capture via the Macintosh serial port
|>- reference to articles on algorithms for morse decoding; I am looking for
|> something that could automatically adapt to varying speed etc...
|>
|>I am interested in building the converter and writing the program on the
|>Macintosh (in C) myself, not in buying something ready made. Thanks.
|>

You don't really need A/D. You just need to put a level sensor in the audio line -- goes high when the audio exceeds some threshold you set to remove the noise. An op amp circuit should be able to handle that pretty easily. Then you have to write software that will calculate the signal high to signal low time and figure out what's dots and what's dashes. Not as trivial as it sounds with hand-sent code, though you'll get a better hit rate off people who are using keyers than straight keys or bugs.

--

>>>==>PStJTT
Patrick St. Joseph Teahan Taber, KC1TD

If I was authorized to speak for my employer, I'd be too important to
waste my time on this crap....

From 4484977262527587610
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d37ed42e96cad0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 08:28:18 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!rpi!bu.edu!att!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: VVV
Message-ID: <67688@iuvax.cs.indiana.edu>
Date: 26 Oct 90 15:28:18 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 19
Posted: Fri Oct 26 16:28:18 1990

David F. Reed KK5D@KB5PM writes:

>VVV ... well the VVV is an old telegraphers convention... sort of
>like "wake up down the line, I'm gonna send some..."

>RYRYRYRY in baudot was not exactly a cal, but a tuning / check the
>stuff is working...

VVV was also a CW test signal during WWII (V for Victory, like the first three notes of Beethoven's 5th Symphony). Wonder what the Germans and Japanese used?

RYRYRY in baudot is a "worst case" test pattern which exercises all the bits alternately; the ascii equivalent is U*U*U*. Perhaps they are more relevant to mechanical teletypes.

--

Frank   W9MKV   reid@ucs.indiana.edu

```
From -2437690779484880544
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 08:31:27 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!emory!
wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1481@ke4zv.UUCP>
Date: 26 Oct 90 15:31:27 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 31
Posted: Fri Oct 26 16:31:27 1990
```

In article <1990Oct24.170127.2103@dcdwest.uucp> plb@dcdwest.uucp (Phil Blais) writes:

>To those who advocate a no code ticket I say fine, you're entitled to your
>opinion, but knock of the CW bashing as justification to support your
>arguments. To many of us CW is like classical music or fine wine, it takes
>a while to acquire the taste but once you do, then and only then do you
>really appreciate the art form.

Hey, no problem! I may have struggled terribly hacking my way to 18 wpm, I've been stuck there for 25 years :-(, but I can appreciate that others have found their ham radio niche in working CW. I hope people understand that I have only railed against those with a holier-than-thou attitude that one is not a serious ham unless one can do high speed CW and those who claim that CW is the most efficent communications modulation. I don't believe either of these claims and will probably jump in again if I see them come down the net.

Now while we're on the subject of CW, I've come to realize that one of the problems I have copying CW is that I am unable to write faster than 18 wpm with pencil and paper and that I can't copy at all in my head. I have tended to believe over the years that some musical talent must be required to master high speed CW since most of my ham friends who can do high speed CW play a musical instrument. I have read lately on the net that some people with no musical ability at all have mastered high speed CW. Ok, what's the secret besides practice? I've practiced both on air and off for years with no improvement. How do you copy in your head? Even after all these years, I have to concentrate so hard on each letter sound that

I can't keep the words in memory. To find out what I just copied, I have to go back and read the paper. Anybody got any hints for a ham who is eligible for the QCWA who can not break the barrier?

Gary KE4ZV

From -1872497523213868892
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f0959ac43f7ee678
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 08:39:45 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!larry!sde
From: sde@larry.sal.wisc.edu (Scott Ellington)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood ALC meter and the avoidance of lidditude
Message-ID: <1153@larry.sal.wisc.edu>
Date: 26 Oct 90 15:39:45 GMT
References: <89675@aerospace.AERO.ORG>
Reply-To: sde@larry.sal.wisc.edu.UUCP (Scott Ellington)
Organization: Space Astronomy Lab, Madison, WI
Lines: 10
Posted: Fri Oct 26 16:39:45 1990

ALC means Automatic Level Control. A meter indication in the normal operating range does not mean you are splattering, but that the ALC is operating properly. If the meter isn't moving at all, the output power will probably be far less than the capability of the transmitter. Adjust the mic gain for a meter reading in the normal range, but be careful not to exceed that range on voice peaks. There is some evidence that the 440 is quite unforgiving when overdriven.

Scott   K9MA

From 7438205654990017310
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9d729c6a9e6b5e4b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 10:30:00 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ads.com!sparkyfs!san08.erg.sri.com!gd
From: gd@san08.erg.sri.com (Greg DesBrisay)
Newsgroups: rec.ham-radio
Subject: Re: GPS Receivers
Message-ID: <32764@sparkyfs.istc.sri.com>
Date: 26 Oct 90 17:30:00 GMT
References: <8350001@hpopd.HP.COM>
Sender: news@sparkyfs.istc.sri.com
Reply-To: gd@san08.erg.sri.com.UUCP (Greg DesBrisay)
Organization: SRI International, Menlo Park CA
Lines: 37

Posted: Fri Oct 26 18:30:00 1990

For subscriptions to _GPS World_ write to

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Eugene, Oregon 97440-2955

or call 503-343-1200

European offices are located at

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Chester Business Park,
Wrexham Road,
Chester CH4 9QH, UK
Telephone: 0244-680606
Fax: 0244-680094

Free subscriptions to the magazine are available to the engineering community, for others the subscription price is $54/yr in the U.S. and $97/yr ourside the U.S..

Two GPS receiver suppliers that I have had good experiences with are

Trimble Navigation
Sunnyvale, CA
telephone: 800-TRIMBLE

and

Ashtech
390 Potrero Ave.
Sunnyvale, CA
telephone: 800-229-2400 or 408-737-2400

Greg

From 5478351957604666670
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 10:33:28 PST
Path: gmdzi!unido!mcsun!uunet!ingr!b11!herbster
From: herbster@b11.ingr.com (Joe Herbster)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Summary: You asked...
Message-ID: <9217@b11.ingr.com>
Date: 26 Oct 90 17:33:28 GMT

References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct24.200305.9402@athena.mit.edu>
Organization: Intergraph Corp. Huntsville, AL
Lines: 65
Posted: Fri Oct 26 18:33:28 1990

In article <1990Oct24.200305.9402@athena.mit.edu>, tmurphy@athena.mit.edu (Thomas C Murphy) writes:
> In article <1990Oct24.170127.2103@dcdwest.uucp> plb@dcdwest.uucp (Phil Blais) writes:
> >
[trimmed.....]
> >the no code license. IMHO the no code advocates are sterotypical of the 'me'
> >generation i.e. want it all but aren't willing to work for it.
hmmmmmmm......get out the asbestos suit......
> Sometimes I think I'll scream if I see this type of comment one more
> time.
sounds like the whining "me" generation to me..........

> As for CW bashing, I really haven't seen any. I have seen a lot of
> people, like me, asking the above, what makes CW so special? And I,
^^^^^^^^^^^^^^^^^^^^^^^^^^
> like many others I suspect, am still waiting for an answer. Ham radio
> is a hobby, and not everyone is interested in all modes. Why jam one
> specific one down people's throats?

WAIT NOT LONGER.....I'm suprised that none of the old-fart beat me to it!!!

What is so SPECIAL about CW....

1) EFFICIENT. CW is conservative of band spectrum. CW is "THE" QRP mode. CW is "fault-tolerant" as a digital mode. The good old gray-matter processor still beats the best CPU algorithm ever written for pulling meaning out of the mud.

2) SIMPLICITY. CW is the simplest form of communications to build a transmitter or receiver for. New hams can be encouraged to build their own equipment for CW without intimidation or excessive cost. In the event of an EXTREME emergency, this is the easiest mode to "Improvise-and-communicate" with. CW requires no modulation, modems, software, ...

3) FRIENDLY. CW at 15wpm+ lopes along at an easy conversational pace allowing one to think of something interesting to say while sending. CW even has a parallel to the smiley .... .. CW may be used by the speech impaired, sight impaired, and the hearing impaired equally without extensive adaptation. It is difficult to scream, rant, or rave in CW.

4) HISTORIC. (this is where the flames will come from ;-) Samuel Morse and his code have been historically significant to the evolution of Amateur radio. It is also the only digital

mode easily recognized by non-amateurs in movies etc. CW has its roots in pre-telephone telegraph communications. How can children play "cowboys-&-Indians" without a rail-road telegraph operator??

5) REWARDING. Communicating via CW is a "SKILL" and thus rewards the operator with a sense of accomplishment and satisfaction.

Numbers 3 and 5 are my personal favorites. The simplicity of home-brewing CW gear should be particularly important to all those who are looking for various ways of enticing younger future old-farts into the hobby. If you've ever built your own gear and made a contact with it......you would know what I mean.

KM4JN, middle-aged-old-fart-that-does-not-oppose-the-communicator-class but-KNOWS-somehow-it-will-not-acheive-the-expected-results-and probably-WILL-cause-insurmountable-problems-for-the-future,

Herbi (smileys implied).

From 7403789798555146828
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4fddbe0d1e4f804
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 10:43:47 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Code & other requirements
Message-ID: <1482@ke4zv.UUCP>
Date: 26 Oct 90 17:43:47 GMT
References: <9010161303.AA17152@lonex4.radc.af.mil> <7880335@hpfcdc.HP.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 38
Posted: Fri Oct 26 18:43:47 1990

In article <7880335@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>
>I take your point that CW may not be everyone's interest. The
>conclusion, however, does not follow that CW should not be an entry
>requirement. Think for a moment about what the CW requirement is, in
>general terms: it is a test of on-the-air procedures. This sense has
>been lost somewhat since the elimination of the transmitting test.

What? One minute solid copy or answering 7 of 10 multiple guess questions on received text is a test of on-the-air procedures? I hope not!

>CW is probably more common to all amateurs than any other particular
>mode. One could argue that this is *because* of the international
>CW requirement. Yup, that's right. Think of CW as having the same

>function in amateur radio as American English has in the US. It's the
>"watering hole" where the packeteers can meet the FSTVers.

CW is a MODULATION method not a LANGUAGE! Whatever language you choose may be encoded into CW. You may communicate in the Spanish LANGUAGE via CW modulation for example. If you mean a common MODULATION method, then consider AM or FM. They're certainly simple enough to receive or generate and every ham should understand the principle. A separate test on talking and listening might be a good way to test on-the-air procedures. :-)

When CW was the only modulation method, many hams and commercial radio users were feverishly experimenting to develop voice communications. When voice modulation became available many hams and most commercial users switched over because of the increased speed of communications and the ability to detect subtle nuances of tone and expression that it allowed. CW still has a place in the radio hobby because some find it fun to use a traditional mode emulating the way their ancestors communicated. Additionally CW allows cheap weak signal play for the DX game. For serious professional weak signal work such as is done by the Deep Space Network other techniques are used. CW is as valid a modulation method as AM or FM and deserves as much attention on the exam as AM or FM modulation receives.

Gary KE4ZV

From 1731051673537796562
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,394e0d3a7a395345
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 10:46:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcuhb!hpscdc!johnson
From: johnson@hpscdc.scd.hp.com (Jim Johnson)
Newsgroups: rec.ham-radio
Subject: Re: CAUTION! Failed an exam?
Message-ID: <5490107@hpscdc.scd.hp.com>
Date: 26 Oct 90 17:46:25 GMT
References: <5490104@hpscdc.scd.hp.com>
Organization: Hewlett-Packard, Santa Clara Div.
Lines: 22
Posted: Fri Oct 26 18:46:25 1990

Hi Bruce,

Yes, it was your comment I was reading. Sorry if I misinterpretted your intention. I think I understand it now. I'm wondering why the VEs don't normally go over the test with interested examinees? Is it because a lot of people just don't care whether they missed a few as long as they pass, or is it because it's always crowded during these sessions and it would be a zoo if everybody wanted to go over their papers in detail?

I really do like the VE program. When I took the General in 1963, I was still wet behind the ears and going to the FCC office in San Fran for the code and theory was a little intimidating. This is a much better system and if I can contribute to its success, I would like to do so.

Thanks again, Bruce,

Jim Johnson WA6SII
johnson@hpscdc.hp.com

From -3391692897015468062
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cb0cbea66a18d7b7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 10:51:27 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!odi.com!ed
From: ed@odi.com (Ed Schwalenberg)
Newsgroups: rec.ham-radio
Subject: callsign server
Message-ID: <9010261751.AA13133@odi.com>
Date: 26 Oct 90 17:51:27 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 3
Posted: Fri Oct 26 18:51:27 1990

I've lost the information on the mail server(s) for getting at the callsign database. I know about Marvin, but now that I'm not on the Internet any more I need to know about mail-based servers. Thanks.

From 8264805944665521529
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3dfae72efb567553
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 10:55:18 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Oscar antennas, your views sought (Alliance rotators)
Keywords: satellite antennas, rotators, Alliance
Message-ID: <1483@ke4zv.UUCP>
Date: 26 Oct 90 17:55:18 GMT
References: <12280018@hpspdra.HP.COM> <1435@ke4zv.UUCP>
<1990Oct22.213549.25225@kodak.kodak.com> <1474@ke4zv.UUCP> <41346@cci632.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 19
Posted: Fri Oct 26 18:55:18 1990

In article <41346@cci632.UUCP> cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
writes:
>
>Sounds great! But you sure pay for that extra power - they are very
>expensive, both under the Kenpro name and the re-packaged Yaesu model.
>Has anybody gone shopping for these combo rotators lately - it seems
>like the prices are pretty much the same everywhere, but I haven't looked
>more than a few places.

$390 Yep, the difference between a man and a boy is the price of his toys. :-)

>I'm wondering, also, if you can have a few hundred feet of control cable
>before the meters become inaccurate.

I'm using 100 feet of control cable with no problem. The power wires are
14 gauge and the other wires are 18 gauge. The wire has a fixed resistence
and the sense current is small so, other than the original calibration routine,
the length of the cable should be unimportant.

Gary KE4ZV

From 5710889733779773096
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cf1af715dae227a4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 11:24:56 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!odi.com!cwl
From: cwl@odi.com (Charlie Lamb)
Newsgroups: rec.ham-radio
Subject: where's Rusty Carruth
Message-ID: <9010261824.AA01864@presley.odi.com>
Date: 26 Oct 90 18:24:56 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Fri Oct 26 19:24:56 1990

Does anyone know how I can get in touch with Rusty Carruth? I'd like to
get a copy of his call sign tape. Replies to me only please as I am not
on info-ham, nor does our site receive rec.ham-radio. Thanks.

Charlie Lamb
cwl@odi.com
617-270-9797-w

From -7864222815237767764
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed5bb56e4039ae0b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 12:14:03 PST

```
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: gender neutral pronouns (was: Re: The Dube dude)
Keywords: gender neutral pronouns s/he he she
Message-ID: <21621@ucsd.Edu>
Date: 26 Oct 90 19:14:03 GMT
References: <38680@ut-emx.uucp> <1990Oct25.094613@ultnix.enet.dec.com>
<1990Oct26.012152.18380@cunixf.cc.columbia.edu>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 10
Posted: Fri Oct 26 20:14:03 1990

gp15@cunixf.cc.columbia.edu (Gerald Pulver) writes:
>taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber) writes:
>>over such awful contructions as "he/she" or the muy disgusto "heesh."
>How about "s/he"?

How about s/h/it?

Or better yet, how about worrying about important things, like preventing
nuclear war?
     - Brian
```

```
From 3535989120636573 69
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd04e740304845aa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 12:57:11 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!veritas!amdcad!
mozart.amd.com!positron!brian
From: brian@positron.amd.com (Brian McMinn)
Newsgroups: rec.ham-radio
Subject: Paragons of patience
Message-ID: <1990Oct26.195711.10308@mozart.amd.com>
Date: 26 Oct 90 19:57:11 GMT
References: <9010182213.AA18387@tilde> <7880331@hpfcdc.HP.COM>
Sender: usenet@mozart.amd.com (Usenet News)
Reply-To: brian@positron.AMD.COM (Brian McMinn)
Organization: Advanced Micro Devices, Inc., Austin, Texas
Lines: 36
Posted: Fri Oct 26 20:57:11 1990

>>Check this out:  5WPM=25 characters per minute= one
>>character every 2.4 seconds
>>73    Dube     N5PDK
>
>Yeah, it's so slow, I can barely endure listening to it anymore.  Those
>OFs (or young OFs) with Extra tickets helping the Novices in the Novice
>sub-band must be paragons of patience.
>
>Perry/KF0CA
```

Three cheers for those "paragons of patience!" I finally met one last week. I've been licensed for one year now and had given up CW after the first month of nothing but frustrating contacts with people who invariably sent faster than I could receive.

So here's the challenge to all of you OFs with Extra tickets who aren't yet as jaded as Perry: <<-- joke alert, joke alert :-)

If CW is really so neat and fun and worthy, then getcher VFO into the novice sub-bands, turn off your Kilowatt (still illegal in all novice sub-bands except 10m, no?), crank your keyer down into the "barely endurable" 5wpm range and answer the slowest, most slimy, most despicable, most awkward CQ you can find. Is he in the same state? Hey! That's great! That means he won't have any trouble picking your signal out of the noise! Does he send "RST 603"? Even better! Now you KNOW your talking to a real beginner! :-)

Thanks to those of you who actually do this once in a while. Running into one of you sure changed my view of CW. (Yes, I still consider it archaic, but I now allow for the possibility of it being fun too.)

```
--
   Brian McMinn                  brian.mcminn@amd.com
   Advanced Micro Devices        N5PSS
   Austin, Texas                 1-(512)-462-5389
"You can't leap a chasm in two jumps."
```

```
From 7945186306449157250
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bfc1a61fe711ff35,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,bfc1a61fe711ff35,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,bfc1a61fe711ff35,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,bfc1a61fe711ff35,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-10-26 14:00:59 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: privacy
Message-ID: <1990Oct26.210059.10204@ux1.cso.uiuc.edu>
Date: 26 Oct 90 21:00:59 GMT
References: <13870@mcdphx.phx.mcd.mot.com>
Organization: University of Illinois at Urbana
Lines: 15
Xref: gmdzi rec.radio.shortwave:2529 rec.ham-radio.swap:725 rec.ham-radio.packet:2957 rec.ham-radio:16136
Posted: Fri Oct 26 22:00:59 1990
```

hbg6@citek.mcdphx.mot.com writes:

>Is there any real difference between listening to a non-public radio
>transmission, watching a drive-in movie from outside the fence, or
>listening to a loud conversation at the next table in a restaurant?

>John.

Nope! The fence is not high enough for the drive-in movie, and the
people at the next table should just sut-up and stop all the acoustical
interference. :-)
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 404897809836115397
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f0959ac43f7ee678
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 14:30:05 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
pacific.mps.ohio-state.edu!linac!midway!ellis.uchicago.edu!gary
From: gary@ellis.uchicago.edu (gary buchholz)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood ALC meter and the avoidance of lidditude
Message-ID: <1990Oct26.213005.20341@midway.uchicago.edu>
Date: 26 Oct 90 21:30:05 GMT
References: <89675@aerospace.AERO.ORG>
Sender: news@midway.uchicago.edu (News Administrator)
Organization: University of Chicago
Lines: 57
Posted: Fri Oct 26 22:30:05 1990

In article <89675@aerospace.AERO.ORG> obrien@aero.aero.org (Michael O'Brien)
writes:
>Got some on-air advice this morning that I'd like to check out. I own
>a Kenwood TS-440S. One of its meter switch positions is for ALC (which,
>in typical fashion, isn't even defined in the 440 manual. You have to
>read the 940 manual to find out that it stands for Automatic Limit
>Control.). They say, "don't let even the peaks of your SSB output
>go past the end of the red zone." The guys on-air said, "The meter
>needle shouldn't move at all. If it does you're going to splatter."
>
>Mike O'Brien, KC6OJW/AA
>obrien@aerospace.aero.org

I have a 440 and a 950. I do remember clearly that the TS-440 manual says
that the Mic gain should be adjusted such that voice peaks do not exceed
the ALC area marked by the red bar.

I think the source of confusion is that what I recall reading in one of the ARRL study guides (maybe the Tech book) that Mic gain should be adjusted for "slight" ALC meter movement. "slight" in not a quantative term.

In SSB your output signal is dependent on the modulation. For example, no audio - no transmitter output. Put a 1-2 Khz pure sine wave in through the Mic jack (at the proper level) and you'll see "full power". Using an external wattmeter I usually see about 90-95 watts out with the sine wave. Voice is a different matter. I usually see about 45 watts out avg. for my speaking voice. Your mileage may vary.

If you don't crank up the Mic gain such that you peak the ALC meter at the end of ALC zone you will be putting out some power but not full power.

I usually run my TS-440S and Kenwood TS-950S with Mic gain / processor levels peaking the ALC meter at the end of the marked zones. This gives me full power out and, from signal reports, no voice distortion.

==> One thing I dont like about the 440 is that it has no "power" control. The TS-140s and the TS-950s both have this control and it is useful for "powering down" after I've established a QSO after a CQ.

You can probably accomplish the same thing "powering down" on the 440 by reducing the Mic gain. But, I don't think its the same "mechanism" the 140 and the 950 use to control power output. Maybe someone can give me the scoop on this...

> The guys on-air said, "The [ALC] meter. . .
>needle shouldn't move at all. If it does you're going to splatter."

If short, I think the guys on the air are "wong". It will work, but you wont be driving the TS-440 to its 100 Watts rated output.

Gary

--
Gary Buchholz   gary@midway.uchicago.edu
University of Chicago   xasgary@uchimvs1 [BITNET]
Academic and Public Computing   KE9ZM [real aether-net]
1155 East 60'th St., Chicago, Ill.   (312) 702-7611

From -8150839534673251981
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55888b98d8a29769
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 14:30:14 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: deed restrictions
Message-ID: <1990Oct26.213014.16409@ux1.cso.uiuc.edu>

Date: 26 Oct 90 21:30:14 GMT
References: <11088@hacgate.UUCP> <530028@hpdmd48.boi.hp.com>
Organization: University of Illinois at Urbana
Lines: 24
Posted: Fri Oct 26 22:30:14 1990

ritchie@hpdmd48.boi.hp.com (David Ritchie) writes:

> You also forgot to mention the assessments that can be levied against
>*all* property owners (include you, Joe Ham) to sue you, Joe Ham, with.
>The money *can* be obtained if the HOA gets a burr in its saddle. This
>happened to my ex-supervisor over RV parking, and cost him >$10K in legal
>fees and was in the local paper. I am wanting to avoid this.

Makes you not want to even buy a house.

But I bet you will likely find a correlation between lots of CCR's and
the existance of a home owners association you have to take part in.

When telling a real estate agent about your restrictions on a house
search, you could mention that you don't want to be involved in any
home owners associations as a condition of the sale, due to the legal
obligations that gives you. The agent may be able to effectively
select property better suited to hams (if there is any) without ever
knowing exactly what particular CCR you are trying to avoid (in case
you'd rather not get into explaining it).
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 4149877632218587655
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c17eb9f7a861b074
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 14:35:26 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Certificates
Message-ID: <4313@altos86.Altos.COM>
Date: 26 Oct 90 21:35:26 GMT
References: <16668@shlump.nac.dec.com> <45989@apple.Apple.COM>
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 18
Posted: Fri Oct 26 22:35:26 1990

In article <45989@apple.Apple.COM> winter@Apple.COM (Patty Winter) writes:

>But in the interim, many documents can be written without using the

>third-person singular. I have DXCC, WAC, and WAS certificates on my
>wall that prove it's entirely possible--without sounding convoluted.

Speaking of certificates, what is the simplest station/antenna setup
that you netters have used to earn them? I've heard that one guy
claims to have worked WAS with a soldering iron as an antenna. Another
has worked WAS with 2 microwatts. Can anyone beat these?

--
Jerry Gardner, NJ6A   Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos!jerry   2641 Orchard Parkway
Internet: jerry@altos.com   San Jose, CA 95134
Guns don't kill people, bullets do.   (408) 432-6200

From -3048625792897924664
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55888b98d8a29769
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 14:37:43 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: deed restrictions
Message-ID: <1990Oct26.213743.17387@ux1.cso.uiuc.edu>
Date: 26 Oct 90 21:37:43 GMT
References: <11088@hacgate.UUCP> <30500814@ux1.cso.uiuc.edu> <107@thoreau.nsc.com>
Organization: University of Illinois at Urbana
Lines: 24
Posted: Fri Oct 26 22:37:43 1990

rtodd@thoreau.nsc.com (=Ron Todd) writes:

>It seems to me (TIC) that all this CCR stuff must have
>been dreamed up by lawyers just to have something to do
>to be a pain in the a** to those of us who want to conduct
>life on a reasonable basis.

Actually it is ages old. It started simply as agreement terms between
buyer and seller, and I suspect early on the terms explicitely worded
that the buyer was obligated to pass on all the terms to the next buyer.
It was probably subsequent to that that the courts (or whoever) established
the concept of them running with the land, to simplify all the terms.

>Riddle:

Riddle:

Q: Why don't sharks eat lawyers who fall over into the water?

A: Professional courtesy.

--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -2043036382544122814
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31ab972b4be60ae1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 14:43:16 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: legal identification
Message-ID: <1990Oct26.214316.18469@ux1.cso.uiuc.edu>
Date: 26 Oct 90 21:43:16 GMT
References: <9010191616.AA05272@ucsd.edu> <7880337@hpfcdc.HP.COM>
Organization: University of Illinois at Urbana
Lines: 19
Posted: Fri Oct 26 22:43:16 1990

perry@hpfcdc.HP.COM (Perry Scott) writes:

>I've had batteries go out on the HT before. Embarrassing. Luckily, our
>local OO is a real human, and would probably overlook it unless it
>starts happening very often to particular stations. I suppose if the

How often do YOU run out of charge on a battery? If you only have one
battery (not wise) you are going to run into this situation every
battery cycle.

>FCC or the local OO finds out and issues a "Notice of <whatever>", you
>could say that you are rectifying the problem by getting a spare
>battery.

If you do ID as required before the failure, it should be obvious.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 2877326074338585937
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e95c3d5e0d52334e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 14:43:56 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: 1M7
Summary: Minerva Reef, Don Miller

Message-ID: <449@ssc.UUCP>
Date: 26 Oct 90 21:43:56 GMT
References: <38597@ut-emx.uucp> <7120138@hpcupt1.cup.hp.com>
Organization: very little
Lines: 21
Posted: Fri Oct 26 22:43:56 1990

In article <7120138@hpcupt1.cup.hp.com>, holly@hpcupt1.cup.hp.com (Jim Hollenback) writes:
> 1M is Minerva Reef, a deleted country. It is in Oceania, ITU zone 62,
> CQ zone 32. 24S,179W. Sorry I don't have an Atlas at work so I can't
> give you the present country.   Presumably 1M7 is Minerva Reef.

Isn't this a non-existant place that Don Miller allegedly went to
(or didn't go to) around 1966? I think later on his operation there
was alleged to be bogus.

Maybe it's near Suitland Island! (/KH7S)

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 1357324159744607334
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2db213fba606f24,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 14:57:23 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!hplabs!hpcc05!hpdmd48!ritchie
From: ritchie@hpdmd48.boi.hp.com (David Ritchie)
Newsgroups: rec.ham-radio
Subject: Re: ARRL, Lobbying, NRA, etc...
Message-ID: <530029@hpdmd48.boi.hp.com>
Date: 26 Oct 90 21:57:23 GMT
References: <9010241451.AA09134@ucsd.edu>
Organization: Hewlett Packard - Boise, ID
Lines: 14
Posted: Fri Oct 26 22:57:23 1990

>Tad cook asked how the NRA gets away with lobbying, when the ARRL can't.
>Simple. NRA member funds are not used for lobbying. All lobbying monies
>come from the NRA Political Action Fund, contributions to which are *not*
>tax exempt. How many hams do you think would contribute to a non-tax-exempt
>ARRL lobbying fund?

```
>
>    --mike ke8yy.....and NRA.
>      medelma@cms.cc.wayne.edu
>      medelma@waynest1
```

Actually, Tad didn't. I did. Now I know that the NRA has a seperate lobbying organization.

-- Dave N4DJS

```
From -7573809966173233000
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a01df4ba0ebb2dd8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 15:10:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: WANTED: Speech Processor for TR-4
Message-ID: <1250258@hpnmdla.HP.COM>
Date: 26 Oct 90 22:10:20 GMT
References: <9010252102.AA01576@ucsd.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 6
Posted: Fri Oct 26 23:10:20 1990
```

The Drake SP-7 speech processor, while styled to match the TR-7, will work with any SSB rig since it just plugs into the mic jack. It converts the audio to 455 kHz IF, clips and filters, and converts back to audio at the output.

AL N1AL

```
From -2750195924580666579
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32f6ce9c97eeab06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 15:12:10 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: So Cal repeater stats
Message-ID: <1990Oct26.221210.23167@ux1.cso.uiuc.edu>
Date: 26 Oct 90 22:12:10 GMT
References: <21168@ucsd.Edu> <30500824@ux1.cso.uiuc.edu> <3937@network.ucsd.edu>
Organization: University of Illinois at Urbana
Lines: 68
Posted: Fri Oct 26 23:12:10 1990
```

brent@network.ucsd.edu (Brent Jones) writes:

>FCC Rules part 97.205 paragraph E sentence #2
>(e) ..."Limiting the use of a repeater to only certain user stations is
>permissible."

>Self explanatory.

But it does not necessarily have a unique interpretation. To me this rules says that if you implement means to prevent my access to your repeater, that you will not be in violation of FCC rules.

However if you put a CTCSS squelch on the input, have you actually implemented such a mechanism of closure? I think not, since CTCSS encoders are prevalent, and the number of codes is so small (38). You could try an unusual tone or maybe DTMF to bring the machine up.

How about Data's computer access code from ST:TNG? I didn't get it recorded, so you could effectively keep me out for a few days.

>If the front panel switch was turned off on the repeater, and you drove
>up the hill and turned it on, you would have also made the system "NOT
>CLOSED" for you... His intent there is that the repeater not be used
>also by you, or in this case anyone else. If your definition of a
>CLOSED system is one that is physically impenetrable, okay. But usually
>it means a repeater that has use limited to certain users. And you have
>not become one of these designated users by figuring out the repeater
>PL, Touch Tone, digital squelch or whatever system implemented to hinder
>unauthorized use.

But we don't agree on this. Has there been any case law that defines the proper interpretation of 97.205(e)(2)?

Actually, I probably do agree with you that someone getting into a repeater that they are not welcome on is bad, but I do not see where it is illegal. I would be willing to work with you in rewriting the rules to change this.

There is also another argument to deal with as well. In certain areas, even the 70cm band is "full" with regard to coordination yet nearly all of the coordinations are to repeaters that make virtual very little use of the spectrum by virtual of their closedness (to a group that is).

Perhaps it would be a good idea to go back to the band planning process and designate portions of the repeater subbands for the various kinds of repeaters. At least 1/2 of the 70cm repeater subbands should be available to repeater operators running open repeaters. The term "open" in this context can still mean "with access" controls, but that those who can get the access can be anyone (we want to keep out the LIDs, right?).

>Agreed. And if a repeater is operating out of coordinated band plans,
>it must accept the consequences. And people operating in the repeater
>sub-bands, say simplex on a coordinated repeater output, also must accept
>that a repeater may key up on top of them.

Agreed.

>Or all those who are dissatisfied with what's on 70cm, move to 23cm...

Actually all this is really a problem of what amateur spectrum is for,
and where coordinators derive there authority to make decisions that affect
far more than just repeater owners (such as would be repeater owners because
the coordinators "filled" the band up with such waste as a bunch of repeaters
that hardly get any use).
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -4348084427105194308
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5f13d26fb45648de
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 15:23:13 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!psuvax1!rutgers!orstcs!uther.CS.ORST.EDU!mcdermj
From: mcdermj@uther.CS.ORST.EDU (Jeremy McDermond)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TR2600 Frequency limit modification.
Message-ID: <21328@orstcs.CS.ORST.EDU>
Date: 26 Oct 90 22:23:13 GMT
References: <9010190310.AA29827@ucsd.edu>
Sender: usenet@orstcs.CS.ORST.EDU
Reply-To: mcdermj@uther.CS.ORST.EDU (Jeremy McDermond)
Organization: Oregon State Univ. - CS - Corvallis, OR
Lines: 13
Posted: Fri Oct 26 23:23:13 1990

In article <9010190310.AA29827@ucsd.edu> AGENGCC@OSUCC.BITNET writes:
>If any one has the information to modify a Kenwood TR2600
>to receive a wider band of frequencies please e-mail it to me.

Or even a TR2500... 8-)

(Hint, if you have any info on modifying the frequency range on a TR2500
I would like to know 8-))

Jeremy McDermond (KB7AKH)   Head SysAdmin Jacobs/Nyssa
Oregon State University   Corvallis, Or
mcdermj@mist.cs.orst.edu

From 3620769980401829629
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,4a37d30a0f86c9e4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 15:33:32 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: extra callsigns
Keywords: calls
Message-ID: <1990Oct26.223332.25810@ux1.cso.uiuc.edu>
Date: 26 Oct 90 22:33:32 GMT
Organization: University of Illinois at Urbana
Lines: 24
Posted: Fri Oct 26 23:33:32 1990

The fact that 2x1 calls for Extra are running out is a concern. These are the incentives to upgrade to Extra:

1. Extra privileges on HF
2. Space operation privileges
3. Nice callsign

My response to these:

1. So what, I don't work HF.
2. Everyone gets a waiver anyway.
3. This is all that's left.

So why don't I hurry up and just get my Extra right now? For one thing I only have so much of my time to spend on ham radio and it goes for the "codefree" fight which is not over. Secondly, with the threat from the FCC that the Technician class may be an extinct one, I am going to hold onto mine until the outcome.

What we need is for the FCC to start recycling unassigned calls.
--

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From 8036099151314400768
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32f6ce9c97eeab06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 15:45:24 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: So Cal repeater stats (Really: Closed Repeaters)
Message-ID: <1990Oct26.224524.27747@ux1.cso.uiuc.edu>
Date: 26 Oct 90 22:45:24 GMT
References: <21168@ucsd.Edu> <30500824@ux1.cso.uiuc.edu>
<1990Oct24.195436.645@portia.Stanford.EDU>

Organization: University of Illinois at Urbana
Lines: 74
Posted: Fri Oct 26 23:45:24 1990

paulf@jessica.stanford.edu (Paul Flaherty) writes:

>Depends on who's bandplan you're talking about. Many states deviate
>substantially from the ARRL bandplan; sometimes to pack more repeaters in,
>and sometimes to make them feasible (take the ICOM RPT1210 1.2GHz repeater
>with its 20 MHz split).

Icom does make that repeater available with a 12 MHz split.

The bandplan that is appropriate is of course the local one. The ARRL national one is a suggested starting point. Local needs do vary and so the local bandplans vary as well.

>>The PROBLEM is that there are many (and this may be MOST of them) closed
>>repeaters are just there to serve a clique. They get very little use.

>That seemed to be the case out in nineland, but not here. It really depends
>on the size of the group that runs the closed repeater. Given the ham
>population density, we tend to see far more people on our closed machines
>out here.

When I visited 6 land, I found FAR LESS usage of all the repeaters. I guess everyone was hiding on the closed repeaters and simplex frequencies.

>>I don't want to eliminate the idea of a closed repeater. There is a place
>>for closed repeaters. But I think there are too many of them around right
>>now in the 70cm band.

>Probably due to all of those surplus Mastr IIs and Micors. 2m in Chicago
>is heavily PL'd, as I recall.

PL/CTCSS does not consitute a closed repeater. CTCSS is useful to block out intereference. The 146.76 machine in Chicago recently became PL'd, so that means everyone who gets in has to have that PL tone on. That gives us a chance here in Urbana-Champaign to end our problems with their high power users and band openings by putting on an anti-PL for the same tone. So if the that tone is present, WE WON'T key up.

>>All "clique repeaters" should move to 23cm.

>Odd. Stanford runs an open repeater on that band (1291.5 -20M, 88.5Hz, W6YX/R)
>so I'm not too sure I agree with you. I did argue the case for keeping it
>open (not that there was much opposition), given the nature of the club,
>and of the band. We went "up there" in part to publicize the band, and
>I don't think that would have worked in the case of a closed repeater.

CTCSS controlled and open. Yes, it takes an open repeater to really contribute to activating a band.

My concern is where all the Communicators will go. If they get 2m and 6m then they get distributed out better. If they are stuffed above 220 MHz, then expect some major problems on 70cm. But if you can encourage them to jump all the way to 23cm, great.

>Personally, I'd like to see open repeaters as the default, but over the years,
>I've come to sympathize with others who get tired of having their conversation
>disrupted by some bozo with a nebulous comment. Also, smaller repeater
>communities mean that I can keep my radio on at my desk; chances are that
>when someone comes on, I'd actually want to talk to them.

An "open" repeater does not mean there cannot be access controls. You can put on those controls, and then tell MOST people how to access. Just don't tell the BOZO's. Of course CTCSS is not it.

>In the end, both open and closed repeater systems have their merits, and
>the decision to close a repeater depends on the nature of the repeater
>community; only the trustee is in a position to make that judgement.

With the above definition of "open", I would suggest amending the band plan to provide for some portion of the repeater segment to be "all open only".
--

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<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -6548027122798671911
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12e718c0c913f06c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 15:49:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
pacific.mps.ohio-state.edu!linac!att!iuvax!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: questions regarding Airphone (Airfone)
Message-ID: <1990Oct26.224902.28562@ux1.cso.uiuc.edu>
Date: 26 Oct 90 22:49:02 GMT
References: <9010242021.AA18517@hls.com>
Organization: University of Illinois at Urbana
Lines: 19
Posted: Fri Oct 26 23:49:02 1990

trop@hls.com (Troy T. Pummill) writes:

>except for the lowest frequency assigned. All stations transmit on AM
>signle sideband (A3A).

AM single sideband. Do you mean H3E which is ONE sideband plus carrier?

>Channel Plan

>Channels are separated by 6 KHz except for the last channel assigned to each
>location, which is 10 KHz higher than the preceding channel. For example,
>if the first channel in a group is 944.204, the sequence would be:

Gee, narrowband technology works even way up at 900+ MHz. Someone better
tell the FCC, UPS, Aerotron, etc.
--

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<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -414486298623908069
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d37ed42e96cad0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 15:54:55 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!cs.umn.edu!msi.umn.edu!src.honeywell.com!
uwm.edu!cs.utexas.edu!oakhill!dover!nddsun1!markm
From: markm@nddsun1.sps.mot.com (Mark Monninger)
Newsgroups: rec.ham-radio
Subject: Re: Re: VVV
Message-ID: <184@nddsun1.sps.mot.com>
Date: 26 Oct 90 22:54:55 GMT
References: <7880329@hpfcdc.HP.COM> <7120140@hpcupt1.cup.hp.com>
Organization: Motorola, Inc., Semiconductor Products Sector
Lines: 9
Posted: Fri Oct 26 23:54:55 1990

I have to throw my $0.02 worth in on this one. I think the VVV on CW
was/is to help operators get the dot/dash ratio correct. The old
semi-automatic keyers (a.k.a. 'bugs') send dits automatically but the
dahs have to be keyed manually. Since the correct length far a dah is
three dits, a V is a good character to use to get the ratio correct.
These days, electronic keyers do it all for you, although I have heard
lots of CW ops who seem to somehow have screwed it up.

Mark   KG7JL

From -5403866439196283169
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dbfd8cd3b9f0f39c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 15:59:50 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL news
Message-ID: <1852@n8emr.UUCP>
Date: 26 Oct 90 22:59:50 GMT
Reply-To: n8emr@n8emr.uucp
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5

Lines: 91
Posted: Fri Oct 26 23:59:50 1990

From n8emr!W8PH Fri Oct 26 05:34:27 1990
Return-Path: <n8emr!W8PH>
Message-Id: <m0iSPXt-0000pfC@n8emr.uucp>
[Date: Fri, 26 Oct 90 04:40 EDT
[To: <ALL@ARRL>
R:901026/0818z @:N8JYV.#CMH.OH.USA.NA Columbus, OH #:11017 Z:43232
R:901026/0721 @:AD8I.#CMH.OH.USA.NA Ashville, OH #:45975 Z:43103
R:901026/0250 @:WB8ICL.OH.USA.NA Yellow Springs #:59042 Z:45387

;READ DX 43

DX BULLETIN 43 ARLD043
FROM ARRL HEADQUARTERS
NEWINGTON CT OCTOBER 26, 1990
TO ALL RADIO AMATEURS

THANKS TO ALLEN, N2KW, AND THE TRISTATE DX PACKET CLUSTER NETWORK AND STEVE LAMB, W9NUF, AND THE NORTHERN ILLINOIS DX ASSOCIATION FOR THE FOLLOWING DX INFORMATION.

BANABA, T33. LOOK FOR T33T ON CW, AND T33R ON SSB, NOVEMBER 7 TO 21. ACTIVITY IS PLANNED ON 9 BANDS, 160 THROUGH 10 METERS, WITH AN OPERATION AROUND THE CLOCK. QSL VIA OH3GZ.

BRUNEI, V85. V85OO, OPERATOR BOB, N2OO, WILL BE ACTIVE NOVEMBER 12 TO 16, MOSTLY CW ON 80 THROUGH 10 METERS.

COMOROS, D68. D68VT, OPERATED BY K5VT AND N6ZV DURING OCTOBER 23 TO 31, WILL BE LOOKING FOR YOU ON 9 BANDS, 160 THROUGH 10 METERS PLUS AO 13. DL7FT IS DUE IN D68 SOON. D68WB SKEDS HIS QSL MANAGER WV4F ON 14152 KHZ AT 0330 UTC DAILY.

EAST KIRIBATI, T32. T32IO OPERTIONS FOR OCTOBER HAVE BEEN CANCELLED.

JUAN FERNANDEZ, CE0Z. IF YOU CAN NOT WAIT TO WORK CE0ZZZ NOVEMBER 10 TO 18, LOOK FOR CE0ZIG WHO LIKES 17 AND 12 METERS AROUND 2200 UTC.

KERGUELEN ISLAND, FT8X. FT8XA LIKES 14256 KHZ AFTER 0000 UTC AND 14015 KHZ AROUND 0400 UTC. RAFIK WILL WORK ALL BANDS IN THE CQWW SSB CONTEST THIS WEEKEND. QSL VIA FD6ITD. FT4XG IS FREQUENTLY FOUND ON 10 METERS AT 1200 UTC. QSL VIA F1AAS.

LIECHTENSTEIN, HB0. HB0NL MAY BE FOUND ON 7005 KHZ AT 0100 UTC AND 14020 AND 21015 KHZ AFTER 1300 UTC. QSL VIA HB9NL.

MALAGASY REPUBLIC, 5R8. IK2GNW WILL ATTEMPT TO ACTIVATE 5R8 BEFORE THE END OF THE YEAR. DL7FT IS REPORTED TO BE HEADED TO 5R8 AFTER THE D68 OPERATION. K5VT, EX 5R8VT IS NOW IN D68. LLOYD AND IRIS PLAN A

VISIT THERE AS WELL. THE MALAGASY PTT WILL BE VERY BUSY NEXT MONTH.

MARIANA ISLANDS, KH0. THE JCCC BOYS PLAN TO SET A NEW OCEANIA MULTI MULTI RECORD IN THE CQWW SSB CONTEST THIS WEEKEND. SIGNING KH0AM, 14 OPERATORS WITH 7 COMPLETE STATIONS WANT TO QSO YOU ON AS MANY BANDS AS POSSIBLE. RTTY AND CW OPERATION WILL TAKE PLACE BEFORE AND AFTER THE CONTEST. QSL VIA JE1CKA. PLEASE SIGN YOUR FULL CALLSIGN, ONE TIME ONLY. KNOW YOUR WAZ ZONE NUMBER.

MALPELO, HK0. HK0TU OPERATIONS ARE ON SCHEDULE FOR NOVEMBER 3 TO 8. SIX BANDS WITH 20 OPERATORS WORKING CW, SSB AND RTTY. QSL VIA HK3DDD.

MOZAMBIQUE, C9. C9QL HAS BEEN ACTIVE ON 10, 15 AND 20 METERS. LLOYD AND IRIS WILL REMAIN THERE UNTIL NOVEMBER 5. WB0NAA WILL BE STATIONED THERE UNTIL JUNE, 1992. SO FAR, JIM HAS HAD NO LUCK IN SECURING A LICENSE.

ST. PAUL ISLAND, CY0. AFTER 2 DAYS DELAY IN LANDING, DUE TO HIGH SEAS, PATRICK AND RON ARE QRV AS CY9CF. THEY WILL BE ACTIVE ON 9 BANDS, 160 THROUGH 10 METERS ON SSB AND CW. THEY WILL OPERATE RTTY ON 15 AND 20 METERS ONLY. QSL VIA FP5DX.

SOUTH GEORGIA, VP8. VP8CDJ IS OPERATING 20 METER SSB ON 14255 KHZ FROM 2300 TO 0000 UTC. QSL VIA GM4KKO.

SOUTH SANDWICH, VP8. VP8SSI BY WA4AQS AND COMPANY HAS BEEN CANCELLED FOR THIS YEAR. TRANSPORTATION COSTS HAVE GONE UP 25 PERCENT DUE TO RISING FUEL PRICES. THE SHIPPING COMPANY HAS RETURNED THEIR UNCASHED CHECK. TRANSPORTATION ALTERNATIVES ARE SLIM TO NONE FOR THIS YEARS SHORT ANTARCTIC SUMMER.

TONGA, A35. A35XK IS QRV. QSL VIA WA6ZEF.

USSR, UA0K. UA0HAE/UA0K OPERATING FROM WRANGEL ISLAND IS QRV ON 14020 AND 21015 KHZ. QSL VIA UB4MM.

WAKE ISLAND, KH9. AA4NP/AH9 IS NOW QRT. AH9AC HAS BEEN WORKED ON 14226 KHZ AT 1030 UTC.

WEST KIRIBATI, T30. T30JH, BY JACK, VK2GJH IS QRV. TRY 28520 KHZ AFTER 2200 UTC OR 14222 KHZ AT 0400 UTC. AR

From -8866654198205105298
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32f6ce9c97eeab06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 16:00:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!iuvax!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: discrimination by HRC's(was-So Cal repeater stats)

Message-ID: <1990Oct26.230005.150@ux1.cso.uiuc.edu>
Date: 26 Oct 90 23:00:05 GMT
References: <21168@ucsd.Edu> <30500822@ux1.cso.uiuc.edu> <20750@ttidca.TTI.COM>
Organization: University of Illinois at Urbana
Lines: 36
Posted: Sat Oct 27 00:00:05 1990

sorgatz@ttidca.TTI.COM (Avatar) writes:

>In article <30500822@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>+>
>+>>>>>>> 31 open 450 MHz
>+>>>>>>> 488 closed   450 MHz
>+
>+If Communicators are limited to 220 MHz and above, most are going to end
>+up on 440 MHz because of the equipment availability. This is going to
>+wreak havoc with the 440 MHz private repeaters. The closed club repeaters
>+would be a significant problem as long as the clubs don't practice any
>+discrimination on the basis of license class.

> I hate to be the messenger of bad news, Phil, but this is already being
>done quite regularly! Most clubs advertise 'open membership' but in fact
>have a 2-tier system of membership that allows for exactly this type of
>discrimination. Here's an example of how it works:

> I joined a 220 MHZ Repeater Club..let's just call it "The Club". They
[...]

I didn't say there were not any such clubs. Notice that I did include
the clause to refer to such things.

A better name is "The Scam". That sounds just like what it is. Hmmm,
it even sounds just the same as one of those churches I hear about every
now and then that takes people's money. Clearly it is just some people
who are power hungry and starving.

Sorry about you losing your $25. We've all made mistakes in life even
where we had no way of knowing in advance. But $25 is a cheap lesson
on how a lot of other people live.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -1692405908145348144
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 18:00:52 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio

Subject: Re: No code license & CW Bashing
Message-ID: <1990Oct27.010052.20755@ux1.cso.uiuc.edu>
Date: 27 Oct 90 01:00:52 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
<1990Oct24.200305.9402@athena.mit.edu> <9217@b11.ingr.com>
Organization: University of Illinois at Urbana
Lines: 65
Posted: Sat Oct 27 02:00:52 1990

herbster@b11.ingr.com (Joe Herbster) writes:

>1) EFFICIENT. CW is conservative of band spectrum. CW is "THE" QRP
>   mode. CW is "fault-tolerant" as a digital mode. The good
>   old gray-matter processor still beats the best CPU algorithm
>   ever written for pulling meaning out of the mud.

You can copy code that is 20db BELOW the noise floor?

>2) SIMPLICITY. CW is the simplest form of communications to build a
>   transmitter or receiver for. New hams can be encouraged to
>   build their own equipment for CW without intimidation or
>   excessive cost. In the event of an EXTREME emergency, this
>   is the easiest mode to "Improvise-and-communicate" with.
>   CW requires no modulation, modems, software, ...

Very very few people who use the frequencies I use have any equipment that
can copy it. Just try building a rig that can transmit CW in such a way
that any of the radios other than my R-7000 can copy it. All my other
radios use just FM.

>3) FRIENDLY. CW at 15wpm+ lopes along at an easy conversational pace
>   allowing one to think of something interesting to say while
>   sending. CW even has a parallel to the smiley .... ..
>   CW may be used by the speech impaired, sight impaired, and
>   the hearing impaired equally without extensive adaptation.
>   It is difficult to scream, rant, or rave in CW.

Thus is a good argument in favor of using CW. With arguments like this,
we don't need a code test at all for any class license. Everyone will
be flocking to use this wonderful mode where everyone has something
intelligent to say, and there are no screams, rants, or raves.

>4) HISTORIC. (this is where the flames will come from ;-) Samuel Morse
>   and his code have been historically significant to the
>   evolution of Amateur radio. It is also the only digital
>   mode easily recognized by non-amateurs in movies etc. CW has
>   its roots in pre-telephone telegraph communications. How can
>   children play "cowboys-&-Indians" without a rail-road telegraph
>   operator??

Didn't Samuel Morse predict that there would be a telegraph key in every
home with 50 or 100 years? Hmmm. I guess people just like the phone better.

>5) REWARDING. Communicating via CW is a "SKILL" and thus rewards the
>   operator with a sense of accomplishment and satisfaction.

Yes, it is rewarding. Too bad I didn't get to realize this while studying
to pass a test that was being forced upon me. Too bad lots of non-hams
will never even be exposed to the possibility that they might even like
code, just because they won't get into ham radio until it sheds itself of
irrelevant tests.

>   KM4JN, middle-aged-old-fart-that-does-not-oppose-the-communicator-class
>   but-KNOWS-somehow-it-will-not-acheive-the-expected-results-and
>   probably-WILL-cause-insurmountable-problems-for-the-future,

That's why I petitioned, and commented, to the FCC for a different structure
of codefree license classes, as the Communicator did not really address the
problems, and the FCC proposal appears to be trying to destroy ham radio (and
get a few hundred MHz of free spectrum to sell as well).
--

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<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -3536206195637820694
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4fddbe0d1e4f804
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-26 18:06:05 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu (Phil Howard KA9WGN)
Newsgroups: rec.ham-radio
Subject: Re: Code & other requirements
Message-ID: <1990Oct27.010605.21781@ux1.cso.uiuc.edu>
Date: 27 Oct 90 01:06:05 GMT
References: <9010161303.AA17152@lonex4.radc.af.mil> <7880335@hpfcdc.HP.COM>
<1482@ke4zv.UUCP>
Organization: University of Illinois at Urbana
Lines: 41
Posted: Sat Oct 27 02:06:05 1990

gary@ke4zv.UUCP (Gary Coffman) writes:

>In article <7880335@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>>CW is probably more common to all amateurs than any other particular
>>mode. One could argue that this is *because* of the international
>>CW requirement. Yup, that's right. Think of CW as having the same
>>function in amateur radio as American English has in the US. It's the
>>"watering hole" where the packeteers can meet the FSTVers.

>CW is a MODULATION method not a LANGUAGE! Whatever language you choose
>may be encoded into CW. You may communicate in the Spanish LANGUAGE via
>CW modulation for example. If you mean a common MODULATION method, then
>consider AM or FM. They're certainly simple enough to receive or generate

>and every ham should understand the principle. A separate test on talking
>and listening might be a good way to test on-the-air procedures. :-)

I think what is meant here is that CW is more than just English or Spanish. There are a number of coded abbreviations, Q codes, and other things, that can help the communication process. You actually can carry on a QSO with another station without having to have the understanding of the other voice language. And of course the accents are gone (unless you consider fist).

>When CW was the only modulation method, many hams and commercial radio
>users were feverishly experimenting to develop voice communications.
>When voice modulation became available many hams and most commercial
>users switched over because of the increased speed of communications
>and the ability to detect subtle nuances of tone and expression that
>it allowed. CW still has a place in the radio hobby because some find
>it fun to use a traditional mode emulating the way their ancestors
>communicated. Additionally CW allows cheap weak signal play for the DX
>game. For serious professional weak signal work such as is done by the
>Deep Space Network other techniques are used. CW is as valid a modulation
>method as AM or FM and deserves as much attention on the exam as AM or FM
>modulation receives.

CW definitely has its place in ham radio. But as long as it is required of all hams, ham radio itself may not have a place in the spectrum.
--

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -2427169905609745054
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0cb2f1acb85fedc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-21 16:40:25 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!rutgers!sun-barr!newstop!exodus!wellworld!endelman
From: endelman@wellworld.Sun.COM (Aaron Endelman)
Newsgroups: rec.ham-radio
Subject: IC-24AT extended frequency coverage?
Message-ID: <1588@exodus.Eng.Sun.COM>
Date: 21 Oct 90 23:40:25 GMT
Sender: news@exodus.Eng.Sun.COM
Lines: 23
Posted: Mon Oct 22 00:40:25 1990

I just bought an ICOM IC-24AT 144/440 HT and am enjoying it a lot. I'm told that there's an (undocumented) way to program it to increase the VFO range and also to make it possible to tune in 10 and 100 MHz increments. The instructions I was given are:

```
From power off, hold down              then turn radio on to enable
=========================              ============================
```

LIGHT, B, 3	extended VFO range
LIGHT, 2	10 MHz tuning increments
LIGHT, 3	100 MHz tuning increments

Unfortunately, nothing changes when I try these! Has ICOM removed this goody in the latest units they're shipping, or am I just not doing it right? Anybody know?

Thanks,

Aaron

Aaron Endelman KK6QH   endelman@eng.sun.com
Symbolic Programming Environment Group
M/S 12-40, Sun Microsystems, Inc., 2550 Garcia Ave., Mtn. View, CA   94043

From 580035723476202688
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ea875b54552d7e68
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,ea875b54552d7e68
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-21 18:34:35 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!tortoise.cis.ohio-state.edu!kronstad
From: kronstad@tortoise.cis.ohio-state.edu (richard b kronstad)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: An old tube radio
Message-ID: <85058@tut.cis.ohio-state.edu>
Date: 22 Oct 90 01:34:35 GMT
References: <1990Oct17.054638.5649@ddsw1.MCS.COM> <20620@ttidca.TTI.COM>
Sender: news@tut.cis.ohio-state.edu
Reply-To: richard b kronstad <kronstad@cis.ohio-state.edu>
Followup-To: rec.ham-radio
Organization: Ohio State University Computer and Information Science
Lines: 8
Xref: gmdzi rec.ham-radio:16012 rec.radio.shortwave:2498
Posted: Mon Oct 22 02:34:35 1990

I just came accross a Hammarlund HQ-129-X tube transceiver and I don't have any specs on it. If anyone has a schematic or manual for this radio I would appreciate getting a copy of some of the more inportant info, but I'm not willing to put a lot of money into it (more than a reasanable shipping and copy cost) since I may be giving it eventually away to a good home.

Thanx..   KA8NAR

From -4937168965323735223
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,2e4df6f92f7073b9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-21 20:17:48 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!DGAESO51.BITNET!JARVIS
From: JARVIS@DGAESO51.BITNET
Newsgroups: rec.ham-radio
Subject: SONY ICFSW7600 radio
Message-ID: <9010220317.AA16982@ucsd.edu>
Date: 22 Oct 90 03:17:48 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 36
Posted: Mon Oct 22 04:17:48 1990
X-Unparsable-Date: 22 OCT 90 04:15-ECT

Date: 22-OCT-1990 04:14:50.02
From: JARVIS AT DGAESO51
To: EARN::"info-hams@ucsd.edu"
Subj: SONY ICFSW7600 radio
I just bought a new SW radio in Hong Kong a few weeks ago. It is made by SONY and has the model number ICF-SW7600. It appears although I am not sure to the the replacement for the fairly well known model ICF-7600D which has been around for a few years now since it is about the same size and appears to have similar capabilities. However this radio from a features point of view at least has several nice improvements over the ICF-7600D that I wished it had since I have owned one of these for several years.

These are what the new radio has that the 7600D did not.
1) BFO for USB and LSB.
2) On FM you get stereo(!) on the phones. Not on the internal speaker since there is only one.
3) It has a dial light that stays illuminated for about 15s after pressing it.
4) It has a well deswigned pull out stand on the back which lets it rest at a very convenient angle for use (very stable too).
5) It has a lock feature which disables key presses.

All these are improvements over the 7600D.

Performance wise. I have not tested it closely but at first sight and after having it for several weeks now I would say it is about as capable as the 7600D.

Cost me US$165.00

Brian Jarvis, VK7XD/CE2

address JARVIS@DGAESO51.BITNET

From -7521439951561440553
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fb9eed3d748ca05c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,fb9eed3d748ca05c
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-21 20:58:04 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!usc!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: fake commercial station Calls
Summary: Panama and Disneyland stations
Message-ID: <45874@apple.Apple.COM>
Date: 22 Oct 90 03:58:04 GMT
References: <110458@philabs.Philips.Com>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 25
Xref: gmdzi rec.ham-radio:16010 rec.radio.shortwave:2496
Posted: Mon Oct 22 04:58:04 1990

In article <110458@philabs.Philips.Com> rfc@briar.philips.com.UUCP (Robert Casey) writes:

>Heard a commercial on the radio for Coors beer. In this commercial, you hear
>a fake DJ and fake jingles for radio station "HOWL". (Coors is advertising
>beer for Halloween parties). Just curious what country radio station HOWL
>would exist.

Well, Panama has rights to the "HO" (that's oh, not zero) prefix, so I suppose they'd have dibs on this callsign.

But more importantly, Robert's posting gives me the opportunity to mention another cute radio station name I encountered recently. As KA9Q and I were in line for Star Tours at Disneyland last week, he pointed out that one of the manufacturing robots was listening to K-DROID. I think the frequency was 109.7. Guess they have a different band plan on Endor. :-)

Patty

```
--
*****************************************************************************
Patty Winter N6BIS                          INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                       UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From 6023438992479402494
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0af19d639cca48,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-10-22 05:51:14 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!LONEX.RADC.AF.MIL!szarekw
From: szarekw@LONEX.RADC.AF.MIL (William J. Szarek)
Newsgroups: rec.ham-radio
Subject: Re; the decline of CW
Message-ID: <9010221251.AA01847@lonex4.radc.af.mil>
Date: 22 Oct 90 12:51:14 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 42
Posted: Mon Oct 22 13:51:14 1990

hello Randall,

Welcome to the world of radio.

Just because you think that CW is not "a medium that is suited to mobile operation". does not qualify it as a fact, nor is it a reason for its lack of popularity. I have a mobile hf rig and my log shows almost 80% CW contacts. I find CW is a digital mode with a low data rate that is easy not as prone to noise interferance as is any type of phone communication. Sending CW is VERY easy with a keyer and again there is no mobile noise. And finially CW is easy to copy if you take the time to learn it.

Ah ha maybe that is the reason for all the code bashing, it isn't hard in itself, but it takes time and dedication to learn to use it as well as we use our mouths. Time and dedication are two things that (some, a few, most [insert your favorite]) people are not willing to devote to anything. It is easier to be lazy. The reason for the no code licence is to allow those with no interest in CW to participate in the parts of amateur radio that don't make use of code. I have no problem with that, however, dont you dare suggest that cw operation is simply part of a bye gone era. It happens to be the most enjoyable part of this bloody hobby for many of us. CW is not less popular, the CW bands are just as crowded as the SSB bands and the bandwith of a CW signal is less than that of a side band signal! So before you get off suggesting in an open forum that CW is not popular and that In the future it will continue to "decline in popularity" because "times are a-changin" I strongly suggest you pull your head out of the sand and look at what you are saying. If we, any part of the amateur community begins suggesting that we do not "need" a portion of our treasured frequency space then we will have it taken away by someone who can demonstrate a "need". I am an advocate of anything that is Pro-ham, I don't care if it is code or no code. As long as it does not even hint at the possibliliy or render a suggestion that something may be taken away from us and not be missed.

--... ...--
Buzz Szarek
KE2WD/AE (because I love CW not because I desire membership in the "elect")

No personal insult intended.

Smile when you tell them they're a dumb sh--.
Lt. Gen. Homer

From 4041077940740951722
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,147bd693cc3a2e6b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-22 06:14:57 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!fab8.intel.com!rharel
From: rharel@fab8.intel.com (CAL-LAB (MS:JER2-85 TEL:7589))
Newsgroups: rec.ham-radio
Subject: What diode in the 24SAT ?
Message-ID: <9010221314.AA25537@hermes.intel.com>
Date: 22 Oct 90 13:14:57 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Mon Oct 22 14:14:57 1990

Someone on the net posted a Mod for the 24SAT and mentioned something about if the HT is of the earlier versions, in addition to the keyboard sequence reset, a diode had to be removed. The Keyboard sequence alone din **not** work. Does someone on the digest know exactly what diode has to be clipped ?? Any help on the matter is appreciated.
73,
Rich

From 6361145493841480967
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bec2719e53d48774,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-22 08:35:40 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!THESIS1.HSCH.UTEXAS.EDU!jmaynard
From: jmaynard@THESIS1.HSCH.UTEXAS.EDU (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re
Message-ID: <9010221535.AA22596@ucsd.edu>
Date: 22 Oct 90 15:35:40 GMT
References: <9010221130.AA12963@ucsd.edu>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Mon Oct 22 16:35:40 1990

Sorry about this...I can't abort a message!

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.

```
"It's a hardware bug!" "It's a    +---------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_
```

From -7892442494479893004
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55888b98d8a29769
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-22 12:32:08 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: deed restrictions
Message-ID: <18230045@hpfcdj.HP.COM>
Date: 22 Oct 90 19:32:08 GMT
References: <11088@hacgate.UUCP>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 12
Posted: Mon Oct 22 20:32:08 1990

>This is true. I've had my HF6VX up for two years now. Nobody
>complained. [BTW, the ground-mounted vertical is probably the most
>discreet antenna around - I put mine next to the house, and it
>disappeared.]

Big problem with crime in your neighborhood, Perry? :-)

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
myers@fc.hp.com                          |  sentient life-form on this planet.
```

From -2506336377836076356
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0af19d639cca48
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-22 19:06:37 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sol.ctr.columbia.edu!caen!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Re; the decline of CW
Message-ID: <7880328@hpfcdc.HP.COM>
Date: 23 Oct 90 02:06:37 GMT
References: <1990Oct18.233813.21773@informix.com>
Organization: HP Fort Collins, Co.
Lines: 20
Posted: Tue Oct 23 03:06:37 1990

>>>>CW is the FUNDAMENTAL TRADITION of Amateur Radio. Without it you ain't no

>>>>ham.
>>
>>What does this mean? Base station hamming is on the wane. You will notice a
>>large number of mobile HF stations, especially on 10 meters, and I think the
>>trend will continue. CW is not a medium that is suited to mobile operation.
>
>I wouldn't have thought so either, but...

Ditto reports of "mobile" during CW contacts. They are out there, you
just have to listen (at 20 wpm :-o) for them !

The relative inefficiency of mobile antennas on the lower frequency
bands also gives CW an advantage over SSB. The radiation resistance of
an 8' whip on 80 meters is less than one ohm. This pretty much wipes
out your transmitter's 100 watts. The receiver is unchanged, because
the signal and noise are both attenuated equally.

Perry
KF0CA

From -7005069322482306684
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d37ed42e96cad0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-22 19:09:41 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!
hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: VVV
Message-ID: <7880329@hpfcdc.HP.COM>
Date: 23 Oct 90 02:09:41 GMT
References: <33914@nigel.ee.udel.edu>
Organization: HP Fort Collins, Co.
Lines: 6
Posted: Tue Oct 23 03:09:41 1990

Re: VVV

I think it was used at one time for calibrating RTTYs. I suppose it
helps CW listeners calibrate, too.

Perry/KF0CA

From -1162204518102794330
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,86ba53783152d430,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-22 20:02:34 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!
hpfcso!hpfcdc!perry

From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Grounding Questions
Message-ID: <7880330@hpfcdc.HP.COM>
Date: 23 Oct 90 03:02:34 GMT
References: <1990Oct18.210804.10004@midway.uchicago.edu>
Organization: HP Fort Collins, Co.
Lines: 56
Posted: Tue Oct 23 04:02:34 1990

>I am studying for my ham license, but I am confused by grounding.
>
>What is the difference between RF ground and electrical ground?

RF resonates wires whose length is an integral multiple of a quarter wavelength. If you DC-grounded a transmitter with a resonant wire, the average (DC) voltage of the transmitter would indeed be zero.

One other cute trick of transmission lines is that short circuits become open circuits at each quarter wavelength. If you've grounded one end of the line, then it's an open circuit one quarter wavelength away. Poof. No ground. (This is Smith Chart magic - ask an EE prof.)

>What kind of problems can arise if you have an electrical ground but
>not an RF ground?

Your transmitter/coax/whatever will have RF on it. In small quantities, this is no big deal. I've been bitten by RF before - it burns small holes in your skin. Smells bad. The other problem is that it couples with nearby objects, like your cat, which makes tuning impossible. It can also annoy the cat. If you don't have a cat, think about your neighbor's TV instead.

>I know how to construct an electrical ground, but how do you construct
>an RF ground?

An RF ground is usually either a short (<<1/4 wavelength), or otherwise non-resonant wire. For multi-band operation far from a Real(tm) ground, several different lengths are used to connect the transmitter to ground. If any one of them is a short circuit, zero ohms in parallel with anything is still zero ohms.

>Finally, I see that MFJ sells an artifical RF ground box. How does one
>connect that? I.e., if you connect an electrical ground to the ground
>terminal of a transceiver, where does the RF ground connect (and I
>guess, what does it do)?

The artificial RF ground puts the RF onto a length of wire, rather than onto your transmitter chassis. It sets up an equal and opposite current in the wire, cancelling out the RF that was on the transmitter case.

The electrical ground is needed for 60 Hz safety. The RF ground is
needed for RF safety. Put both the electrical ground and RF ground on
the same ground terminal of the transmitter. I'm not sure about MFJ's
version - consult the owner's manual.

>Many thanks.

No problem. Hope you get your license soon. Good luck !

Perry/KF0CA

From 4903131950905373103
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd04e740304845aa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-22 20:06:14 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sol.ctr.columbia.edu!caen!sdd.hp.com!
hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: CW, etc.
Message-ID: <7880331@hpfcdc.HP.COM>
Date: 23 Oct 90 03:06:14 GMT
References: <9010182213.AA18387@tilde>
Organization: HP Fort Collins, Co.
Lines: 11
Posted: Tue Oct 23 04:06:14 1990

>Check this out: 5WPM=25 characters per minute= one chare
>character every 2.4 seconds. I figure that there is an average
>three dits or dahs per character, ergo there is about one
>dit or dah every 0.8 second. Boy, that's SLOW.
>73   Dube   N5PDK

Yeah, it's so slow, I can barely endure listening to it anymore. Those
OFs (or young OFs) with Extra tickets helping the Novices in the Novice
sub-band must be paragons of patience.

Perry/KF0CA

From -2055863158055911322
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2107e76d70386b42
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-22 20:24:04 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!
hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)

Newsgroups: rec.ham-radio
Subject: Re: The Return of the Un-Net!!!
Message-ID: <7880333@hpfcdc.HP.COM>
Date: 23 Oct 90 03:24:04 GMT
References: <5115@qip.UUCP>
Organization: HP Fort Collins, Co.
Lines: 13
Posted: Tue Oct 23 04:24:04 1990

Re: un-netting

Is the procedure to call "CQ Usenet" ?

I've found that 28.400 +/- 10 is almost always in use on a busy day. Probably something to do with converted CBs, or digital readouts and our love of 10.000000000.

Maybe 28.400 +/- 7.5 would work better. Could we ever remember it, though ? Actually, I'd rather use something far, far, far away from 28.400 which is the Tech's version of 14.313.

Perry / KF0CA

From -6617754314244846072
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2af94ec687f439ad,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-22 20:31:33 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!wuarchive!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: TV antennas on 2 meters
Message-ID: <7880334@hpfcdc.HP.COM>
Date: 23 Oct 90 03:31:33 GMT
References: <2378@cod.NOSC.MIL>
Organization: HP Fort Collins, Co.
Lines: 15
Posted: Tue Oct 23 04:31:33 1990

> Wonder if anyone has looked into tv antennas for 2 meters and above.
>Got any experience or ideas?
>73, ted
>n6trf

There was an article in one of the last Ham Radio (snif) editions. It described converting a TV LPDA to a 5-element 2 meter Yagi. I took it at face value and did it. Worked (sorta). I looked at some other equations, scaled for the different element diameter, and now have an operational 2 meter Yagi.

Yagis are a little squirrelly around metal objects, so maybe the answer is to leave it an LPDA, but prune it for 2 meters.

Perry / KF0CA

From -4906253714358500247
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55888b98d8a29769
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-23 05:28:45 PST
Path: gmdzi!unido!mcsun!hp4nl!phigate!philica!geertj
From: geertj@philica.ica.philips.nl (Geert Jan de Groot)
Newsgroups: rec.ham-radio
Subject: Re: deed restrictions
Message-ID: <693@philica.ica.philips.nl>
Date: 23 Oct 90 12:28:45 GMT
References: <11088@hacgate.UUCP> <530026@hpdmd48.boi.hp.com>
<2723@naucse.cse.nau.edu>
Reply-To: geertj@ica00.ica.philips.nl (Geert Jan de Groot)
Organization: Philips TDS, Innovation Centre Aachen
Lines: 19
Posted: Tue Oct 23 13:28:45 1990

In article <530026@hpdmd48.boi.hp.com>, ritchie@hpdmd48.boi.hp.com (David Ritchie) writes:
>
>   CC&R's are nasty because they are not consistant. They vary widely, and
> in ways that are not rational to an observer (e.g. two adjacent lots
> may have CC&R's that are completely different). Also, you as a buyer
> have *no* choice about accepting the CC&R, as they are filed with the
> land and run with it. Since they are inconsistant, it means that each must

In Holland, some people have similar restrictions, but usually these can be
settled via the Geneva Human Convention, which explicitely allows the freedom
of communication.
I _think_ the USA also signed this; why doesn't this trick work there?

Oh yes, it has its problems: I remember a case where the government,
represented by two people, one of which said to be the 'technical
knowledgable'. They both looked to the equipment, and then the techie
asked why the cable television network isn't usable....

73 Geert Jan, PE1HZG

From -8835230810897092594
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4fddbe0d1e4f804
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-23 16:00:43 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!wuarchive!
sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)

Newsgroups: rec.ham-radio
Subject: Re: Code & other requirements
Message-ID: <7880335@hpfcdc.HP.COM>
Date: 23 Oct 90 23:00:43 GMT
References: <9010161303.AA17152@lonex4.radc.af.mil>
Organization: HP Fort Collins, Co.
Lines: 38
Posted: Wed Oct 24 00:00:43 1990

>> Anyway, nice article. Engage your systems' flame filters, because the
>> no-coders haven't figured out that CW can be fun/challenging/relaxing -
>> in short, the reason why you become a ham in the first place.

[severe editting occurs here]

>But you
>want to do CW? Be my guest. You think everyone who wants to be a radio
>amateur should pass a CW proficiency test so they can do RTTY with a
>C-64? Get real.
>--
>Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian

I take your point that CW may not be everyone's interest. The conclusion, however, does not follow that CW should not be an entry requirement. Think for a moment about what the CW requirement is, in general terms: it is a test of on-the-air procedures. This sense has been lost somewhat since the elimination of the transmitting test.

So, what should take its place ? More technical exams would ensure we have lots of techies that don't know procedure. Giving, say, an RTTY test would then generate no-RTTYers, complaints that RTTY is obsolete, etc. Because amateur radio is so varied, an operations test on any particular mode would generate grousing from other groups. Giving several different operations tests would be a VE's nightmare.

CW is probably more common to all amateurs than any other particular mode. One could argue that this is *because* of the international CW requirement. Yup, that's right. Think of CW as having the same function in amateur radio as American English has in the US. It's the "watering hole" where the packeteers can meet the FSTVers.

So, I suppose it is up to the no-coders: suggest an operations test that is common to all amateurs. Any high school graduate can pass multiple choice pencil-and-paper tests.

Perry Scott / KF0CA

From 3279118627185541730
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e5652a14a5679802
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-10-23 16:12:33 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: J pole antenna plans for 2M
Message-ID: <7880336@hpfcdc.HP.COM>
Date: 23 Oct 90 23:12:33 GMT
References: <110392@philabs.Philips.Com>
Organization: HP Fort Collins, Co.
Lines: 28
Posted: Wed Oct 24 00:12:33 1990

A note on J-poles made of copper pipe -

A friend of mine used 1/2" pipe, while I used some 1" that was lying around. The bandwidth of the 1" version was VERY wide. It also works well on the CAP and Marine band frequencies for you multi-service users.

>1. How much power could one push into this when made out of twinlead?
>Would 5 watts be OK? How about 10?

I suppose you could put power into it until it got hot, probably where the coax attaches to the matching section. 5-10 watts is fine.

>2. How do you tune it? Trim the top?

I posted tuning instructions - they went somewhere. Trim the top to shift the curve upward in frequency, probe the matching section to shift the curve up/down on the resonant frequency.

>3. Can you build this upside down? I.E. Feed it from the top, weight the
>bottom, and hang it out the window by the coax?

Sure. Just be sure it doesn't hang next to large metal objects.

> -edg

Perry Scott / KF0CA

From -6965552896571437840
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31ab972b4be60ae1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-23 16:26:41 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: legal identification

Message-ID: <7880337@hpfcdc.HP.COM>
Date: 23 Oct 90 23:26:41 GMT
References: <9010191616.AA05272@ucsd.edu>
Organization: HP Fort Collins, Co.
Lines: 18
Posted: Wed Oct 24 00:26:41 1990

>A couple of the locals like to ID, at low power, under other people's
>transmissions, so they can be "legal", but anonymous.

If the transmission is heard, it is intentional interference. If the transmission is not heard, it is not an ID.

Ever hear a "roundtable ID" ? This is where one guy realizes the 7 minutes is up and IDs. Everyone then IDs simultaneously. Try picking a callsign out of that !

I've had batteries go out on the HT before. Embarrassing. Luckily, our local OO is a real human, and would probably overlook it unless it starts happening very often to particular stations. I suppose if the FCC or the local OO finds out and issues a "Notice of <whatever>", you could say that you are rectifying the problem by getting a spare battery.

Perry Scott / KF0CA

From -5510431838753337837
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55888b98d8a29769
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-23 17:04:21 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!know!sdd.hp.com!hplabs!hpcc05!hpdmd48!ritchie
From: ritchie@hpdmd48.boi.hp.com (David Ritchie)
Newsgroups: rec.ham-radio
Subject: Re: deed restrictions
Message-ID: <530028@hpdmd48.boi.hp.com>
Date: 24 Oct 90 00:04:21 GMT
References: <11088@hacgate.UUCP>
Organization: Hewlett Packard - Boise, ID
Lines: 26
Posted: Wed Oct 24 01:04:21 1990

>> >The problem is that both of these routes are expensive, risky and can
>> >lead to neighbor problems (which is bad new for everyone). We had
>> >a ham here in AZ who spent $22,000 fighting deed restrictions that had
>> >prohibitted him from putting up a dipole, and he lost the case.
>>
>> The other practical aspect of homeowner's assn enforcement is that
>> most of them are flat-broke. The legal strategy is to get your lawyer
>> to file expensive and time-consuming motions until their money runs out.
>

>It's going to cost YOU a lot of money to have your lawyer do all these
>things (in the usual cases). The association might well be paid a lot
>of the money by the complaining neighbor(s). And they would stand a
>lot better chance of recovering their legal fees should they prevail
>than you would if you prevail. Your lawyer can give you the proper
>details if you encounter this situation.
>
>--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society

  You also forgot to mention the assestments that can be levied against
all property owners (include you, Joe Ham) to sue you, Joe Ham, with.
The money *can* be obtained if the HOA gets a burr in its saddle. This
happened to my ex-supervisor over RV parking, and cost him >$10K in legal
fees and was in the local paper. I am wanting to avoid this.

- Dave N4DJS

From 1097799169124904251
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55888b98d8a29769
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-23 21:24:00 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!
dog.ee.lbl.gov!nosc!crash!skipsand
From: skipsand@crash.cts.com (Skip Sanders)
Newsgroups: rec.ham-radio
Subject: Re: deed restrictions
Message-ID: <5233@crash.cts.com>
Date: 24 Oct 90 04:24:00 GMT
References: <11088@hacgate.UUCP> <530027@hpdmd48.boi.hp.com> <422@ssc.UUCP>
Organization: Crash TimeSharing, El Cajon, CA
Lines: 5
Posted: Wed Oct 24 05:24:00 1990

The N.R.A. does NOT "get away" with lobbying... it does no lobbying in
it's own "person".. there is a corporately SEPERATE group, NRA-ILA (I think)
that does lobbying. (I believe that's Institute for Legislative Analysis,
something like that.. So, ARRL would have to establish a SEPERATE group/
corporation to do LOBBY work for ham radio.

From -8112200428015873168
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55888b98d8a29769
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-23 22:44:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!bionet!synoptics!unix!hplabs!hpda!
hpcupt1!hprnd!hprmokg!barry
From: barry@hprmokg.HP.COM (Barry Fowler)
Newsgroups: rec.ham-radio
Subject: Re: deed restrictions

Message-ID: <29490023@hprmokg.HP.COM>
Date: 24 Oct 90 05:44:20 GMT
References: <11088@hacgate.UUCP>
Organization: HP Networked Computer Mfg. Operation
Lines: 48
Posted: Wed Oct 24 06:44:20 1990

I live in a small subdivision (10 parcels) of 2.3 acre lots. The subdivider was legally compelled by the county government to establish CC&R's for the subdivision. They were *limited*, however.

The county required the CC&R's *only* for road maintenance and for fire hydrant water storage. All other CC&R's were voluntary and we have many.

Many of them have been ignored. We have 'em for weed height (8" max.), one that specifies "white, 3 rail fencing", and lots of other real picky stuff that the original subdivider thought would be "nice".

The subdivider is long gone and nearly all of the CC&R's have been ignored by one neighbor or another (only a 4 year old subdivision).

We have intentionally ignored the CC&R's with exception of the legally required by county items. I too have been told of "abandonment" of the CC&R's.

I am told that the average lawsuit in Calif. for a CC&R violation averages $55,000. We have no (read "zippo") dollars in our litigation fund. What sane neighbor would want to pay $5.5K to sue another neighbor in our subdivision. You guessed it, none so far. I doubt if greater than two or three would ever attempt such a suit and I am certain that it would be impossible to obtain agreement of any majority to engage in such a lawsuit. Heck, we can't even obtain agreement on how to replace a common irrigation tank!

So, in relatively broke subdivisions, it's unlikely that such a lawsuit would occur, in my opinion. I'll include the standard disclaimer that I am not, and will never be a lawyer.

This situation would probably vary in a larger subdivision where fees are collected and the "homeowner's association" is more active.

We are more concerned with spending our money on better things and if we would ever get together, we'd gut the CC&R's.

Barry M. Fowler   Hewlett Packard Company

Networked Computer Manufacturing Operation - Roseville, California
(can't we think of a shorter name?)

e-mail: barry@hprmokg.rose.hp.com
Verbal: Hey Barry!

R.F. : WB6JZL
NAR : 51644

From 7814517055433006446
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9d729c6a9e6b5e4b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 02:30:44 PST
Path: gmdzi!unido!mcsun!uunet!know!sdd.hp.com!hplabs!hpda!hpcuhb!hpsqf!hpopd!jon
From: jon@hpopd.HP.COM (Jonathan Baker)
Newsgroups: rec.ham-radio
Subject: GPS Receivers
Message-ID: <8350001@hpopd.HP.COM>
Date: 24 Oct 90 09:30:44 GMT
Organization: HP PWD, Pinewood UK.
Lines: 14
Posted: Wed Oct 24 10:30:44 1990

Global Positioning Satellite Receivers

I have a friend here in the UK who is currently trying to locate information on Global Positioning Satellite (GPS) Receivers. He believes that there exits a magazine in the US called something like "GPS World" which contains just this sort of information.

If you know of this magazine (or equivalent) or have any information on currently available GPS receivers can you please let me know.

Jon "Would like to know more about GPS Receivers" Baker

Hewlett Packard
England, UK jon@hpopd.HP.COM

From -4034145668300963980
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ce34a4a07d1a58c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 05:33:15 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!rutgers!tut.cis.ohio-state.edu!ucbvax!rx.xerox.com!hugh_davies.wgc1
From: hugh_davies.wgc1@rx.xerox.com
Newsgroups: rec.ham-radio
Subject: Please ignore!
Message-ID: <"24-Oct-90.13:33:15.+1".*.hugh_davies.wgc1@rx.Xerox.com>
Date: 24 Oct 90 12:33:15 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1
Posted: Wed Oct 24 13:33:15 1990

Sorry about this, just testing!

From -392819671351506789
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3dfae72efb567553
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 06:25:55 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Oscar antennas, your views sought (Alliance rotators)
Keywords: satellite antennas, rotators, Alliance
Message-ID: <1474@ke4zv.UUCP>
Date: 24 Oct 90 13:25:55 GMT
References: <12280018@hpspdra.HP.COM> <1435@ke4zv.UUCP> <1990Oct22.213549.25225@kodak.kodak.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 56
Posted: Wed Oct 24 14:25:55 1990

In article <1990Oct22.213549.25225@kodak.kodak.com> ornitz@kodak.kodak.com (Barry Ornitz) writes:

>I find it surprising that KE4ZV feels the Alliance TV rotators cannot handle
>the elevation function in a satellite system. Since the only difference in the
>various Alliance rotators is in the direction readout, my comments below
>apply to all rotators in their line. I believe the League did a study of
>rotators back in '67 or '68 which was published in QST. Read this if you want
>more information.
>
>The Alliance rotators can TURN just about anything. Used as an azimuth
>rotator, however, they have definite weight limitations, UNLESS you use their
>thrust bracket accessory. Their ability to take side loading is far higher
>than most rotators. I have seen Alliance TV rotators turn large 4-element
>20 meter beams where Ham-M type rotators quickly fail.
>
>With some simple modifications, it is possible to turn one model Alliance
>into another (basically change the readout potentiomenter in some models,
>replace the ratchetting switch in other models with the pot). You can usually
>find used Alliance rotators for next to nothing at flea markets, especially
>as everyone seems to be going cable. I was still able to get replacement parts
>including the weather boots through the local TV parts wholesale business.
>
>If you really want a BIG satellite antenna system, two Alliance rotators can
>be used in parallel. With a homemade double thrust bracket, I would put this
>system up against any ham rotator on the market.
>
>I would not trust any of the Alliance readouts for satellite elevation work
>except possibly the long obselete C-225 which was a null balance system. I
>plan to use either a set of selsyns or an 8192 count optical encoder with my
>{eventual} satellite system. Even so, the cost of a set of surplus selsyns
>or encoder, and a pair of Alliance rotators, will be a fraction of the cost

>of a new rotator.
>   73, Barry   WA4VZQ

The rotator being discussed was a U110 being used as an elevation rotator. There's a big difference between a U110 and an HD73 for example. The U110 motor is quite small and can easily be stalled with bare hands. The HD73 motor is quite robust and the gearing is substantially stronger. All Alliance rotors aren't alike. While you can TURN a tribander with a U110, you can't elevate a tribander unless you balance it very carefully. I originally used a HD73 for rotation and a U110 for elevation of my satellite antennas. This worked ok for the little Cushcraft antennas, but the big, long KLM antennas would stall the U110 after about 15 degrees of elevation. By mounting small lead fishing weights on the KLM booms, I was able to balance the antennas so that the U110 could elevate them. However, when there was even mild icing of the antennas, they wouldn't elevate reliably. When I switched to the KR500 elevation rotor from Kenpro the problems went away. I switched to the KR5400 combined elevation and azimuth system when lightning got the HD73 and I now swing a KLM22C, a KLM40CX, two Down East Microwave loop yagis and a 4 foot dish with ease. The U110 weighs about 2.5 pounds while the KR500 weighs about 15 pounds as does the Alliance HD73. I am convinced that the extra weight is more than just ballast. When I opened up a U110 to repair the clicker, I found the little slotcar motor and mickey mouse gears quite amusing. This is not a robust system.

Gary KE4ZV

From 4633708621608491750
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ecdd635364ec1289,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 06:33:51 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!uflorida!haven!decuac!bacchus.pa.dec.com!hollie.rdg.dec.com!ryn.esg.dec.com!ultnix.enet.dec.com!taber
From: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Newsgroups: rec.ham-radio
Subject: Re: Code Tset, etc
Message-ID: <1990Oct24.093351@ultnix.enet.dec.com>
Date: 24 Oct 90 13:33:51 GMT
References: <9010232157.AA28158@tilde>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Organization: KC1TD@KB4N.NH.USA.NA.EARTH.SOLAR_SYSTEM.UNIVERSE.MIND_OF_GOD
Lines: 25
Posted: Wed Oct 24 14:33:51 1990

In article <9010232157.AA28158@tilde>, dube@cpdvax.csc.ti.com writes:
|>
|>Does the FCC, ARRL, etc. allow VEs to accept the qualifying run certificates
|>as proof that an examinee can copy at the certificated speed? For instance,
|>if I go in to test for Extra class, and I have a certificate that I copied at

|>25 WPM, do I get credit for the 20WPM CW portion of the exams? If not, why
|>not?

No, they do not. Because there is no proof that *you* copied the code. That's a requirement for the code tests.

The proficiency certificates require you to send a signed statement that you copied unassisted, but that statement is more to remind you that you're only cheating youself if you cheat. There is nothing to gain by holding a cert. for any given speed, so you only diminish yourself by not doing things on the up-and-up.

--
>>>==>PStJTT
Patrick St. Joseph Teahan Taber, KC1TD

If I was authorized to speak for my employer, I'd be too important to waste my time on this crap....

From -6040811242552965280
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,510f8324d3f362d0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 07:14:27 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!rutgers!sun-barr!newstop!sun!amdcad!mozart.amd.com!reed
From: reed@mozart.amd.com (David F. Reed)
Newsgroups: rec.ham-radio
Subject: Re: What HTs cover 430-450 (not just 44
Message-ID: <1990Oct24.141427.25130@mozart.amd.com>
Date: 24 Oct 90 14:14:27 GMT
References: <4891@feldspar2.UUCP> <30500826@ux1.cso.uiuc.edu>
Organization: Advanced Micro Devices, Inc.
Lines: 18
Posted: Wed Oct 24 15:14:27 1990

most of the japanese duo-banders of current manufacture can be restored to the european band plans by either a special power up sequence, or a diode change or two, like the "dread out of band mods", but it sets it up for limited band, typically 144-146, and 430-440... The u.s. manuals typically show the diode configurations for this action.

What I would do is try a few out, see what I liked, and look in the manual; if the schematic refers to these different models, and shows the diodes for it or the initialization scheme to set it, then its the one to get.

Most will meet this need
Cheers es 73

--

"...just my opinion, not speaking for AMD." KK5D / 7J1AGO etc.
David F. Reed   4512 Clarno   Austin TX 78749
packet: KK5D@KB5PM   driving by? try 442.150 repeater

From 7658854772523924458
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,894e3363f10123b5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 07:25:02 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!oakhill!roman
From: roman@oakhill.UUCP (Roman Robles)
Newsgroups: rec.ham-radio
Subject: KENWOOD TM-241A Performance
Message-ID: <4083@jethro.oakhill.UUCP>
Date: 24 Oct 90 14:25:02 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 18
Posted: Wed Oct 24 15:25:02 1990

I bought this unit because of its coverage of the 118-136MHz aircraft
band. It DOES have an AM detector and it DOES receive signals in this
part of the spectrum. I am very happy with its performance in the
144-148MHz band. HOWEVER, below 124 MHz my unit is virtually useless.
If I open the squelch up and sit at the end of the runway at Austin
Mueller, I can hear the ATIS (just barely 119.2).

My question is: does anyone else have anything to report on this
model? Is this typical? I am using a 5/8 wave antenna on my car
and I know it is part of the problem, but as things stand now
this radio is only marginally useful for monitoring these freq.s
(I am trying to be objective...am I expecting too much?)

Any comments/suggestions/help would really be appreciated.

Roman
*****standard disclaimer applies ****

From 3001295538235280908
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cb9dc30b29bb1b9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 08:13:09 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!caen!ox.com!yale!venus!
yalevm!maine!risk
From: RISK@MAINE.BITNET (Paul H. Risk)
Newsgroups: rec.ham-radio
Subject: Scanner Restrict-Texas
Message-ID: <90297.111309RISK@MAINE.BITNET>
Date: 24 Oct 90 15:13:09 GMT

Organization: University of Maine System
Lines: 17
Posted: Wed Oct 24 16:13:09 1990

Anyone know what the law(s) in Texas are regarding the legality
of scanners at the home station and/or in a vehicle? I'm also
wondering about 2M rigs with extended receive which are capable
of copying police and other public service frequencies in a
vehicle. Of specific interest in the Nacogdoches area but the
entire State of Texas would be relevant. We're moving to Nacog.

TNX & 73.... Paul
<RISK@MAINE.MAINE.EDU>

```
Dr. Paul H. Risk, Assoc. Prof.     /|c
Parks, Recreation & Tourism       / | c
College of Forest Resources      /  |  c
University of Maine             /   |   c
Orono, Maine 04401              /---|---c
(207) 947-4496                      |
N1DJD @ K1RQG.ME.USA.NA
```

From 6365633513808026O1
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,89592ca765232ad3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 08:17:32 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!lll-winken!sun-barr!rutgers!netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: Lose 1.7 to 2.3 Ghz ?
Message-ID: <143@platypus.uofs.edu>
Date: 24 Oct 90 15:17:32 GMT
References: <1990Oct23.103809.1141@mdcbbs.com>
Organization: University of Scranton, Scranton, PA
Lines: 20
Posted: Wed Oct 24 16:17:32 1990

>
> It seems Apple is looking for exclusive allocation of 1.7 to 2.3 Ghz for high
> speed data communcations. Further down the article states:
>

If my math is correct, this works out to be 500Mhz bandwidth. What are
we looking at here?? Wireless equivalent to FDDI??

I always thought there was more than enough space in the unused TV channels.

bill   KB3YV

```
     Bill Gunshannon          |        If this statement wasn't here,
     bill@platypus.uofs.edu   |  This space would be left intentionally blank
```

--

```
     Bill Gunshannon          |        If this statement wasn't here,
     bill@platypus.uofs.edu   |  This space would be left intentionally blank
```

From 9077847714026870373
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ecdd635364ec1289
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 08:26:57 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!lll-winken!sun-barr!rutgers!netnews.upenn.edu!platypus!bill
From: bill@platypus.uofs.edu (Bill Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: Code Tset, etc
Message-ID: <144@platypus.uofs.edu>
Date: 24 Oct 90 15:26:57 GMT
References: <9010232157.AA28158@tilde>
Organization: University of Scranton, Scranton, PA
Lines: 28
Posted: Wed Oct 24 16:26:57 1990

In article <9010232157.AA28158@tilde>, dube@cpdvax.csc.ti.com writes:

> Does the FCC, ARRL, etc. allow VEs to accept the qualifying run certificates
> as proof that an examinee can copy at the certificated speed? For instance,
> if I go in to test for Extra class, and I have a certificate that I copied at
> 25 WPM, do I get credit for the 20WPM CW portion of the exams? If not, why not?
> 73   Dube Todd   N5PDK

How good is a certification without a witness??

What is to stop me from recording the 35WPM test and then playing it
back at a slower speed (remember reel-to-reel recorders) or just copying
it with my computer. After all, it is sent by computer, shouldn't have
any problem receiving it the same way.

Do you still wonder why not??

bill   KB3YV

```
     Bill Gunshannon          |        If this statement wasn't here,
     bill@platypus.uofs.edu   |  This space would be left intentionally blank
```

--

```
     Bill Gunshannon          |        If this statement wasn't here,
```

bill@platypus.uofs.edu | This space would be left intentionally blank

From -1624477814569962875
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8545d3eff0750a1a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 08:27:02 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9010241527.AA03193@tilde>
Date: 24 Oct 90 15:27:02 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 33
Posted: Wed Oct 24 16:27:02 1990

In (oo7@ut-emx.uucp (Webster Smogpule III)) Derek writes:

(Stuff deleted)

>>If I go in to test for Extra class, and I have a certificate that I copied
>>at 25 WPM, do I get credit for the 20WPM CW portion of the exams?

>>If not, why not?

>>73   Dube Todd   N5PDK
>--
>
>Of course not, you silly boy! You're on your honor when you send in the copy
>for the proficiency certificates. You could easily cheat and get someone else
>to copy it for you and send it in as your own work. You could record it and
>play it back at s-l-o-w speed several times until you had 'decoded' it.

>If the VEs accept that, they should accept a piece of paper saying "I can copy
>CW at 50 wpm, gimme the extra class license NOW, (signed) N5PDK".

And later he says:

>Oh yes - Dube, if you have a CSCE for 20 wpm you don't have to take the 5 or
>13 wpm tests, OK? - I know, cos that's what I did (insert smug smiley).

Say what?? How come Derek can use the 20 wpm CSCE for 5 or 13, but can't use
a 25 wpm CSCE (or higher) for 20?
Does honor run out somewhere between the 20 CSCE and the 25 CSCE? Or is it
interpreted differently for a G# than it is for an AA#?

Weaving between Derek's flames, I can see his real point, though.

73,   Dube   N5PDK

From 5276088362073808436
X-Google-Language: SPANISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd06fcfc18a2bb8c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 08:40:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!BRFUEL.BITNET!RODOLFO
From: RODOLFO@BRFUEL.BITNET
Newsgroups: rec.ham-radio
Subject: informaciones
Message-ID: <9010251130.AA23174@ucsd.edu>
Date: 24 Oct 90 15:40:01 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: Fundacao Universidade Estadual de Londrina
Lines: 29
Posted: Wed Oct 24 16:40:01 1990

Sr. James Dugal
Agradeco su message em espanol. Mi espanol tambiem es pobre, pero creo ser possible nos comunicar em esta lenguage (mi ingles tambiem es curto).
No soy um radioamador, pero soy interessado em radioamadorismo. Trabajo como professor no Departamiento de Psicologia da Universidad Estadual de Londrina, e recientemente inauguramos una Estacion Radioamadoristica em nuestra Universidad (PY5-UEL). Creo ser la 6@ Universidad del Brasil a tener una estacion desse tipo.
Pero nuestra estacion no esta mui biem equipada. Nuestros equipos son antigos (um TRIO 500 da Kenwood valvulado) e emprestados de los docientes interessado em la estacion.
Em las tercas feras (tuesday) a las 14.00 hs (2.00 PM em el horario de verao/summer do Brasil), hacemos una rodada radioamadoristica de las Universidad del pai's (OC-40m-7130 Khz) e lhe invitamos a hacer parte del grupo.
Gostariamos de saber como funciona esse programa da qual usted es lo coordenador.
Un forte 73

RODOLFO TSUYOSHI MANABE
FUNDACAO UNIVERSIDADE ESTADUAL DE LONDRINA
CENTRO DE CIENCIAS BIOLOGICAS
DEPARTAMENTO DE PSICOLOGIA GERAL E EXPERIMENTAL
CAMPUS UNIVERSITARIO
LONDRINA   -   PARANA   -   BRASIL
FONE. (0432) 21.2000 RAMAL 227
FAX. 27.6932
Acknowledge-To: <RODOLFO@BRFUEL.BITNET>

From -422714244655177624
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2d80affbaecefa5,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-10-24 08:43:23 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!flopn3.csc.ti.com!rlwest
From: rlwest@flopn3.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: Wrong Answers in VEC Question Pool
Message-ID: <9010241543.AA03889@tilde>
Date: 24 Oct 90 15:43:23 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25
Posted: Wed Oct 24 16:43:23 1990

1. Regarding WHO MAKES THE QUESTIONS--

Right, it's NOT the FCC, but the Question Pool Committee which consists of representatives of the VECs (ARRL, W5YI, DeVry, etc)

NOT each individual VEC making up its own, as I read the comment someone (Jim?) made. The VECs all make up their own tests, but all out of the same Question Pool.

This committee meets regularly, and when they change the question pool, (corrections, additions, clarifications) then they issue statements about which tests are no longer valid. VE teams must use exams from the CURRENT question pool.

I don't disagree with what he said, I am restating it. If I misunderstood it, someone else might, too.

2. Regarding bad keys--

We (1) change the key, and (2) advise the VEC, who publish the tests.

Cheers,
Bob WA8YCD
rlwest@flopn2.csc.ti.com

From -7309866149195813721
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,529a6130247dfe48,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 09:22:39 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcuhb!hpscdc!rkarlqu
From: rkarlqu@hpscdc.scd.hp.com (Richard Karlquist)
Newsgroups: rec.ham-radio
Subject: Re: Re: Anyone used Mini-Circuits MAR-x amps?
Message-ID: <5490106@hpscdc.scd.hp.com>
Date: 24 Oct 90 16:22:39 GMT
References: <1250252@hpnmdla.HP.COM>

Organization: Hewlett-Packard, Santa Clara Div.
Lines: 9
Posted: Wed Oct 24 17:22:39 1990

In regard to wide-band gain blocks (e.g. Mini-circuits MAR-_ series), I would suggest substituting the Motorola MWA-0204 or the Avantek MSA-0_04 series. The disadvantage of the MAR- series is that they are very easily damaged if over driven. The damage level is so low that you can burn one out by driving it with the output of another copy of the same model! On the other hand, I have *never* burned out a Motorola or Avantek unit, despite numerous accidents.

Rick N6RK

From -7823013971799645663
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,394e0d3a7a395345
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 09:53:54 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!iuvax!rutgers!njin!princeton!twg.com!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: Re: CAUTION! Failed an exam?
Message-ID: <8158@gollum.twg.com>
Date: 24 Oct 90 16:53:54 GMT
References: <5490104@hpscdc.scd.hp.com> <7120137@hpcupt1.cup.hp.com>
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 16
Posted: Wed Oct 24 17:53:54 1990

In article <7120137@hpcupt1.cup.hp.com> holly@hpcupt1.cup.hp.com (Jim Hollenback) writes:
>
>In regards to the statement by the examiner that their hands were tied,
>I wonder by what? Certainly not by the FCC.
> ...
>So if the VE says he cant do anything about a incorrect answer key
>because his hands are tied by the FCC, ask him to cite the rules.

I'm not sure if your reference is to me or not, but if it is...read again. I didn't say the VE's were constrained blindly to use the answer key irrespective of its correctness. I said they were not required to go over the exam with the candidate and inform him which questions he missed and what the correct answer was. They are required to notify him of pass or fail and the number he missed. This has been interpreted by many VEC's (who establish the rules on how the exams will be given) as restricting the examiners to giving only that information.

From 5846745677513104307
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 10:01:27 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!ucsd!network.ucsd.edu!dcdwest!plb
From: plb@dcdwest.uucp (Phil Blais)
Newsgroups: rec.ham-radio
Subject: No code license & CW Bashing
Message-ID: <1990Oct24.170127.2103@dcdwest.uucp>
Date: 24 Oct 90 17:01:27 GMT
Organization: ITT Defense Communications Division - West
Lines: 29
Posted: Wed Oct 24 18:01:27 1990

After reading all the postings, pro and con, as regards the no code license I've just gotta add my $.02 worth (as wud any self respecting ham (-;).

I have very mixed feelings re the communicators license. From the traditional viewpoint "if had I to - so shud you" attitude I'm against the no code license. IMHO the no code advocates are sterotypical of the 'me' generation i.e. want it all but aren't willing to work for it.
On the other hand, there is strength in numbers
and if a no code license means an increase in the number of hams then I guess thats good and I'll temper my final opinion with that in mind.

BUT regardless of how the license requirements come out lets knock off the CW bashing! I've talked with hams who have had tickets for 50 years and haven't stroked a CW key for 49 of those 50 years. On the other hand I've also worked hams who very rarely work FM or SSB and wud much rather spend their time on the air doin 35 WPM+. Never forget that amatuer radio is a HOBBY.
A hobby which encompasses many modes of communication only one of which is CW.
To those who advocate a no code ticket I say fine, you're entitled to your opinion, but knock of the CW bashing as justification to support your arguments. To many of us CW is like classical music or fine wine, it takes a while to acquire the taste but once you do, then and only then do you really appreciate the art form.
...73's...
--
phil blais N6KXD AMA 12662   ITT   Aerospace Communications Division
dcdwest!plb@ucsd.edu   DEFENSE   10060 Carroll Canyon Road
ucbvax!ucsd!dcdwest!plb   San Diego, CA 92131

From -6448727430457546559
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,40fe92cece3a3d14
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 10:23:29 PST
Path: gmdzi!unido!mcsun!uunet!seismo!ukma!rex!wuarchive!cs.utexas.edu!rutgers!

mcnc!decwrl!bacchus.pa.dec.com!news.crl.dec.com!decvax.dec.com!zinn!ubbs-nh!wa1omm!paul
From: paul@wa1omm.UUCP (Paul MacDonald)
Newsgroups: rec.ham-radio
Subject: Re: Need Weather Satellite info
Message-ID: <paul.4734@wa1omm.UUCP>
Date: 24 Oct 90 17:23:29 GMT
References: <9009300430.AA29795@ucsd.edu>
Lines: 36
Posted: Wed Oct 24 18:23:29 1990

>In article <9009300430.AA29795@ucsd.edu> AGENGCC@OSUCC.BITNET writes:
>I need to put together weather satellite receiving station
>for GEOS birds.

You probably mean GOES. There is only one.

>I need the best resolution and and the best
>gray scale possible. The output will end up on IBM
>compatible computers. I believe I would prefer separate
>receiver and WFAX board. I am also interested in the higher
>resolution data available from both the GEOS and low orbit
>birds.
>   Any help welcome.
>--
>AGENGCC@OSUCC Gordon Couger N5QAQ

You can copy GOES satellite photos from HF. They are retransmitted on a regular schedule. To receive it otherwise would entail considerable investment for a suitable receiver - although, you can copy it by connecting a TVRO receiver to an HF receiver.

I use an AEA AVT connected to an Amiga. I get the data direct from the low-orbit APT satellites using a Realistic scanner on 137.xxx MHz. The results are excellent.
--

```
                                /\  /\
                               //\\//\\
            +---------------------------------------------+
            | From the shack of WA1OMM -- Paul MacDonald |
            | Using the power of the multitasking Amiga! |
            |                                             |
            | Compuserve: 70411,626   PLink:  UPPERCRUST |
            | Amateur Packet Radio:   WA1OMM@KB4N.NH.USA |
            | Usenet:        ubbs-nh.mv.com!wa1omm!paul |
            +---------------------------------------------+
```

From 6178329431394466855
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32f6ce9c97eeab06
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-10-24 10:56:31 PST
Path: gmdzi!unido!mcsun!uunet!samsung!dali.cs.montana.edu!rpi!uupsi!fozzie!stanley
From: stanley@phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: So Cal repeater stats
Message-ID: <w15JR5w161w@phoenix.com>
Date: 24 Oct 90 17:56:31 GMT
References: <3368@orbit.cts.com>
Organization: One Man Brand
Lines: 20
Posted: Wed Oct 24 18:56:31 1990

rambler@pnet51.orb.mn.org (Dan Meyer) writes:
> In an article brian@ucsd.Edu writes:
> >Remember, using someone's ham equipment without his permission is a
> >crime. People out here take that pretty seriously.

> WHAT? Boy oh boy. If one is silly enough to leave a repeater on the air
> and think that no one can or will use it without their permission; I
> just don't understand this. at all..... Is it really against part 97?

Since a receiver is a piece of equipment, is being received without the receiver owner's permission also illegal? ;-) Or does tuning a receiver to a specific frequency constitute permission for anyone transmitting on that freq to be received? ;-) If so, isn't connecting that receiver to a transmitter defacto permission to use the transmitter? ;-)

Seems sort of like someone repaving the street in front of their house and then trying to prevent anyone else from using that street.

This is my signature. It doesn't contain my name at all!

From 2633116379366467238
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9d21d670c27c956,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 11:07:40 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpspdra!henryb
From: henryb@hpspdra.HP.COM (Henry Black)
Newsgroups: rec.ham-radio
Subject: Re: 1M7
Message-ID: <12280022@hpspdra.HP.COM>
Date: 24 Oct 90 18:07:40 GMT
References: <38597@ut-emx.uucp>
Organization: HP Stanford Park - Palo Alto, CA
Lines: 41
Posted: Wed Oct 24 19:07:40 1990

Derek Wills (AA5BT, G3NMX) writes:
>>Does anyone out there know where 1M7 is?

```
>
>This was presumably K1RH/1M7, who is currently active from Martha's
>Vineyard (if that's how you spell it).  . . .
>                              .    .   .    .    .  I guess you can get
>on the air from any old location and give yourself a silly 'prefix' and
                                                            ^^^^^^^^
>nobody minds.  K1RH was /1J5 recently from Jekyll Island, wherever the
>heck that is.  But it's not DX either.  I hate it when that happens...
```

I'm not being obnoxious, just confused, . . did you mean 'suffix', the whole prefix/suffix thing in the US baffles me, in England it was easy, there's /A, /P, /M, /MM, and in earlier years /T for the G6/T television stations. Now there's GM0/call etc. in place of the former G5s for guests also. I remember an RadCom article that joked about /V for operation from a volcano!.

But stateside?   A few sign /Mobile, most do not; some W4 stations sign /6 in California others do not. When I first came to the 'States I got annual reciprocal licences (make that licenses) and signed (per instructions) G4NOC/W2; years later in California for some reason others were signing W6/Gcall so I followed suit, not really knowing why. When I came to operate packet I discovered AX-25 doesn't (?) have provision for compound callsigns and using them caused endless confusion.   So I broke down and got myself a K call.

So anyway to return to the subject matter, is the operator of K1RH/1J5 claiming to be Mr./Ms. K1RH in "1J5" land, or do we have someone purporting to be the licencee/see of 1J5 operating K1RH's station?
Moreover, if King Hussain operated my station on CW would he be KK6JR/JY1 or KK6JR/W6/JY1 and if I had recently upgraded to Extra priviledges would that be KK6JR/JY1/AE or KK6JR/AE/JY1 or KK6JR/W6/JY1/AE or what?
I doubt packet radio could cope with say KK6JR/2/W6/G4CAX/AE-15/MOBILE.
I suppose this isn't near to the longest possible callsign as I seem to recall W6ALPHABETSOUP is within the international regs(?).

Henry Black (G4NOC,KK6JR) in state of (California,Confusion)
henryb@hpspd.HP.COM +1 415 857 6655   KK6JR@N6QMY-1.#NOCAL
Views above are all mine (unless HP can make money out of them)

From -4292271715927528882
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe5af780d1e5e8fe,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 11:13:11 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!orc!olivea!apple!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Re: Code Test (was Tset)
Keywords: right...!
Message-ID: <4293@altos86.Altos.COM>
Date: 24 Oct 90 18:13:11 GMT

References: <38631@ut-emx.uucp>
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 16
Posted: Wed Oct 24 19:13:11 1990

In article <38631@ut-emx.uucp> oo7@ut-emx.uucp (Webster Smogpule III) writes:

}Australia if you already have an EE undergraduate degree. Well, you probably
}have to take the rules/regs part, but you have don't have to do those tough
}questions we have about Ohm's Law and whether wood is a better conductor than
}copper. Anyone know whether any other countries have similar waivers?

The FCC will accept a first or second class commercial radiotelegraph license
as proof of ability to copy code.

```
--
Jerry Gardner, NJ6A                          Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos!jerry   2641 Orchard Parkway
Internet: jerry@altos.com                    San Jose, CA  95134
Guns don't kill people, bullets do.                   (408) 432-6200
```

From -581847723597008692
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a37d30a0f86c9e4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 11:41:51 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!apple!bionet!agate!linus!philabs!
briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: extra callsigns
Keywords: calls
Message-ID: <110894@philabs.Philips.Com>
Date: 24 Oct 90 18:41:51 GMT
Sender: news@philabs.Philips.Com
Lines: 6
Posted: Wed Oct 24 19:41:51 1990

Just wondering: I've noticed that extras' callsigns are in the format
*#** and **#*, but will the FCC do ***#? (where * is a letter and # is a
number). Or does that style of call belong to another radio service?
I heard that in some areas, the FCC ran out of extra calls.

73 de WA2ISE (nowhere near being extra, anyway! :-))

From -822858820594228090
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dbc8edc568249ecf
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 114aac,dbc8edc568249ecf
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-24 12:45:01 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Info wanted on Computer Interfaces
Keywords: Kantronics KAM, AEA PK-232, MFJ 1278
Message-ID: <441@ssc.UUCP>
Date: 24 Oct 90 19:45:01 GMT
References: <204@heimat.UUCP>
Organization: SSC, Inc., Seattle, WA
Lines: 33
Xref: gmdzi rec.radio.shortwave:2522 rec.ham-radio:16105
Posted: Wed Oct 24 20:45:01 1990

In article <204@heimat.UUCP>, dan@heimat.UUCP (Dan 'Sneakers' Schein) writes:
>   Im looking for information on the above units besides the few lines
> mentioned in the various SW/Ham catalogs. Things like grey/scale or
> B&W fax, ect....
>
> . If im reading the few lines correct,
> all can use a simple terminal program for the various modes except Fax.

Some comments on the Heath version of the Pk-232.

1. For FAX, you can hook up a parallel printer directly to the unit.
No computer required. Or you can dump the data out the serial port.

2. These units give command line interfaces a bad name. A couple
of hundred wierd little commands that are hard to remember, don't
interelate well, and are counterintuitive.
  example 1. To change the shift width of the demodulator when
   listening to rtty or TOR you use the WI command. To change
   the shift width when monitoring AX.25 packet radio, you use
   the VHF command.
  example 2. In order to listen to TOR, you need to enter your
   call letters (or some junk) into the storage for the Selective
   Call using the MYS command. Or it won't even listen.
They are really designed to run a transmitter, but their interfaces
make the set/show mode commands in VI look trivial.

Well, it sells driver software.

3. The morse code decoding in the AEA units doesn't track well. A
poster on the rec.ham.radio (Rich Bono?) said he was impressed with
how well his KAM copied morse.

markz@ssc.uucp

From 1407045740224041273
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,acbb787393c017df,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 12:54:19 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!wuarchive!sdd.hp.com!hplabs!hpfcso!jayk
From: jayk@hpfcso.HP.COM (Jay Kesterson)
Newsgroups: rec.ham-radio
Subject: Info wanted: Butternut HF2V vertical
Message-ID: <7500037@hpfcso.HP.COM>
Date: 24 Oct 90 19:54:19 GMT
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 10
Posted: Wed Oct 24 20:54:19 1990

I am considering buying a Butternut HF2V 80/40 meter vertical with the 160 meter add on. I was wondering if anyone on the net has any experience with this antenna. How narrow is the bandwidth on 80 and 160 meters. The add for the antenna says it can be top loaded for additional bandwidth, has anyone tried this, what are the results? Would appreciate any comments.

73,
Jay Kesterson   K0GU
Hewlett Packard
Ft. Collins, Colorado

From -6222589465185555539
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32f6ce9c97eeab06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 12:54:36 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!unixhub!shelby!portia.stanford.edu!jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: So Cal repeater stats (Really: Closed Repeaters)
Message-ID: <1990Oct24.195436.645@portia.Stanford.EDU>
Date: 24 Oct 90 19:54:36 GMT
References: <21168@ucsd.Edu> <30500824@ux1.cso.uiuc.edu>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 79
Posted: Wed Oct 24 20:54:36 1990

In article <30500824@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>The rules say it is legal to implement restrictive mechanisms that have
>the effect of making the repeater closed. But if I find my way into the
>repeater anyway, then it is effectively NOT CLOSED for me. The INTENT
>on the part of the operator to not allow me to use it is what the issue
>is about. If I do use it, there are not part 97 violations I have found.

Operating uninvited on a closed repeater violates the "good amateur practice" clause of Part 97. You might not agree with the decision to close the repeater, but that clearly does not give you the right to use it. In the end, the trustee does reserve the right to choose who does and who does not operate his or her equipment.

>Maybe the FCC rules that make closed repeaters do not GIVE me any right
>to use them, but the license gives me the right to use the frequency, and
>because many people have such licenses, it is reasonable to expect people
>to be using those frequency. The FCC rules DO NOT TAKE AWAY any such
>rights (that may be derived elsewhere).

Having a closed repeater on a frequency does not deny you the right to transmit on the input. It does, however, clearly deny your use of the mechanism which keys the trustee's equipment.

>USING a repeater does not cause interference to that repeater.

Ah, how I long to return to nineland, where repeaters are uncrowded, yahoos are limited, and sideband is actually used! Sadly, in major metro areas, congestion inevitably leads to interference of some form, sometimes unintentional, but very often, deliberate jamming. Would you deny someone the ability to control his or her repeater, so that illegal operation does not occur through it?

>If the OUTPUT frequency is already in use, the repeater should NOT
>transmit on that frequency. It may be in use from any of a variety
>of reasons. The band plans and coordinations, however, point out
>specific accepted frequencies for many types of operations. Some,
>however, are not mentioned in the bandplans, and any frequency is
>fair game.

Depends on who's bandplan you're talking about. Many states deviate substantially from the ARRL bandplan; sometimes to pack more repeaters in, and sometimes to make them feasible (take the ICOM RPT1210 1.2GHz repeater with its 20 MHz split).

>The PROBLEM is that there are many (and this may be MOST of them) closed
>repeaters are just there to serve a clique. They get very little use.

That seemed to be the case out in nineland, but not here. It really depends on the size of the group that runs the closed repeater. Given the ham population density, we tend to see far more people on our closed machines out here.

>I don't want to eliminate the idea of a closed repeater. There is a place
>for closed repeaters. But I think there are too many of them around right
>now in the 70cm band.

Probably due to all of those surplus Mastr IIs and Micors. 2m in Chicago is heavily PL'd, as I recall.

>All "clique repeaters" should move to 23cm.

Odd. Stanford runs an open repeater on that band (1291.5 -20M, 88.5Hz, W6YX/R) so I'm not too sure I agree with you. I did argue the case for keeping it open (not that there was much opposition), given the nature of the club, and of the band. We went "up there" in part to publicize the band, and I don't think that would have worked in the case of a closed repeater.

Personally, I'd like to see open repeaters as the default, but over the years, I've come to sympathize with others who get tired of having their conversation disrupted by some bozo with a nebulous comment. Also, smaller repeater communities mean that I can keep my radio on at my desk; chances are that when someone comes on, I'd actually want to talk to them.

In the end, both open and closed repeater systems have their merits, and the decision to close a repeater depends on the nature of the repeater community; only the trustee is in a position to make that judgement.

-=Paul Flaherty, N9FZX | Life is an inherent shift - reduce conflict.
->paulf@shasta.Stanford.EDU |

From 1930885746367814827
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67f104b0b9a879ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 13:03:05 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!mit-eddie!bloom-beacon!tmurphy
From: tmurphy@athena.mit.edu (Thomas C Murphy)
Newsgroups: rec.ham-radio
Subject: Re: No code license & CW Bashing
Message-ID: <1990Oct24.200305.9402@athena.mit.edu>
Date: 24 Oct 90 20:03:05 GMT
References: <1990Oct24.170127.2103@dcdwest.uucp>
Sender: daemon@athena.mit.edu (Mr Background)
Organization: Massachusetts Institute of Technology
Lines: 34
Posted: Wed Oct 24 21:03:05 1990

In article <1990Oct24.170127.2103@dcdwest.uucp> plb@dcdwest.uucp (Phil Blais) writes:
>
>After reading all the postings, pro and con, as regards the no code
>license I've just gotta add my $.02 worth (as wud any self respecting
>ham (-;).
>
>I have very mixed feelings re the communicators license. From the
>traditional viewpoint "if had I to - so shud you" attitude I'm against
>the no code license. IMHO the no code advocates are sterotypical of the 'me'
>generation i.e. want it all but aren't willing to work for it.
>...
>(remainder deleted)
>

Sometimes I think I'll scream if I see this type of comment one more time. There's a big difference in laziness versus a desire not to have to perform makework. And in this case, that's what Morse Code is, makework. What is so special about CW compared to phone, packet, RTTY, FAX, and whatnot that makes it the ONLY mode one must prove ability in to get a license? Sure, as pointed out, it is often the best method for some transmissions, but all modes have their strengths and weaknesses. Tradition? Hardly a valid cause for a legal requirment. International treaty? An unfortunate requirment FOR BANDS BELOW 10M. So why need CW for a 30Mhz + liscense? Hmmm?

As for CW bashing, I really haven't seen any. I have seen a lot of people, like me, asking the above, what makes CW so special? And I, like many others I suspect, am still waiting for an answer. Ham radio is a hobby, and not everyone is interested in all modes. Why jam one specific one down people's throats?

Chris Murphy
N1HQL

From 1065776969981844139
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12e718c0c913f06c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 13:21:39 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!ucsd!ucbvax!hls.com!trop
From: trop@hls.com (Troy T. Pummill)
Newsgroups: rec.ham-radio
Subject: Re: questions regarding Airphone (Airfone)
Message-ID: <9010242021.AA18517@hls.com>
Date: 24 Oct 90 20:21:39 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 74
Posted: Wed Oct 24 21:21:39 1990

Dave (N2AAM) asks:

> information on this (airfone) system, frequencies, modulation schemes, etc.

=======

Again.....the Monitor America book jumps in to solve this conundrum.
Here is the text from page 562 of the 1985-86 Mon. America....enjoy....

AIRFONE, INC.

On October 15, 1984, Airfone, Inc. began to offer air-to-ground telephone service for commercial airline passengers. Using special cordless telephones which accept standard credit cards, the system offers three-minute calls for a minimum charge of $7.50. A network of ground stations carries the transmissions; computer control 'hands off' calls from one ground station to another as airliners move in and out of range. 32 channels are assigned to each transmission site, following the same pattern in each except for the lowest frequency assigned. All stations transmit on AM signle sideband (A3A).

Transmitter Site	Frequencies Begin
Abajo Peak, UT	945.204
Albuquerque, NM	945.804
Atlanta, GA	945.404
Austin, TX	944.204
Boston, MA	945.204
Bridgeton, MO	944.604
Burlingame, CA	945.204
Charleston, SC	944.604
Charleston, WV	944.204
Chicago, IL	945.804
Delta, UT	944.204
Denver, CO	944.604
Des Moines, IA	944.204
Fort Wayne, IN	945.204
Grand Island, NE	944.404
Hawthorne, NV	945.604
Houston, TX	945.404
Irving, TX	944.804
Jamaica, NY	945.204
Klamath Falls, OR	945.884
Las Vegas, NV	945.404
Los Angeles, CA	944.604
Meridian, MS	945.604
Miami, FL	944.404
Monahans, TX	945.004
Nashville, TN	944.404
New Orleans, LA	945.004
Orlando, FL	945.004
Phoenix, AZ	944.804
Pittsburg, PA	944.804
Seattle, WA	944.604
Shreveport, LA	945.804
Springfield, MO	945.404
Tallahassee, FL	944.804
United States (National Channel)	899.000
Washington, DC	944.604
Wilmington, NC	945.204
Woodward, OK	945.604

Channel Plan

Channels are separated by 6 KHz except for the last channel assigned to each location, which is 10 KHz higher than the preceding channel. For example, if the first channel in a group is 944.204, the sequence would be:

944.204 944.210 944.216 944.222 944.228 944.234 944.240
944.246 944.252 .... (it continues on....and on)
944.378 944.384 944.394 (end)

From 7755871763418207000
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db96dcdd679c4e46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 13:44:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ncar!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Re: Info-Hams Digest V90 #296
Message-ID: <5197@qip.UUCP>
Date: 24 Oct 90 20:44:17 GMT
References: <149.27234353@rochgte.FIDONET.ORG>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 12
Posted: Wed Oct 24 21:44:17 1990

In article <149.27234353@rochgte.FIDONET.ORG> David.Stark@f218.n260.z1.FIDONET.ORG (David Stark) writes:
]   Interesting points. Out of curiosity, are you aware of any (non
]classified, of course) 6.46 MHz repeater splits used by military
]services?
No, but Arizona Civil Air Patrol uses 4.25 MHz.
We could use 6.175 with frequencies allocated.
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From 2387201653192670019
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,86ba53783152d430
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 13:58:53 PST
Path: gmdzi!unido!mcsun!uunet!know!sdd.hp.com!hplabs!hpl-opus!hpspdra!paulz
From: paulz@hpspdra.HP.COM (Paul Zander)
Newsgroups: rec.ham-radio
Subject: Re: Grounding Questions
Message-ID: <12280024@hpspdra.HP.COM>
Date: 24 Oct 90 20:58:53 GMT
References: <1990Oct18.210804.10004@midway.uchicago.edu>
Organization: HP Stanford Park - Palo Alto, CA
Lines: 106
Posted: Wed Oct 24 21:58:53 1990

/ hpspdra:rec.ham-radio / xdab@ellis.uchicago.edu (David Baird) / 2:08 pm Oct 18, 1990 /

> I am studying for my ham license, but I am confused by grounding.
> What is the difference between RF ground and electrical ground?
> What kind of problems can arise if you have an electrical ground but
> not an RF ground?
> I know how to construct an electrical ground, but how do you construct
> an RF ground?

Welcome to the crowd. Many old timers are also confused about grounds. The basic idea is that if something is grounded, it has no voltage on it. But wait! A voltmeter always has two leads, and where do you connect the black lead? Through how long a piece of wire?

At DC or 60 Hz, a wavelength is so long, that the dimensions of a ham shack are usually negligible. If your soil is a moist, a short piece of pipe usually works. The typical building code requires an 8-foot copper-plated rod which can purchased at most building suppliers. In older houses with metal water pipes, a connection to the cold water plumbing will also work. You may find a green wire from the back of your washing machine to the water pipes. NEVER NEVER USE THE GAS PIPE!!!

If you get into the details of house wiring, you will find that there are three wires going to every receptical (outlet). One is neutral, and one is the safety ground. These are connected at some point either where the power comes into your house or in the utility company wiring. (The details may be different outside the US.) When a substantial current is being drawn by the lights and other things in your house, a few ohms resistance in the wires times 10's of amperes can cause the neutral to be many volts from the safety ground. The safety wire keeps the metal case of your electic drill or radio from having any of this voltage.

With radio frequencies, ground gets more interesting. As mentioned by a previous poster if the distance approaches 1/4 wavelength, a wire with no resistance might not make a good ground. The question becomes, "what are you tying to achieve by the ground, anyway?" A person working on a circuit inside the radio typically "defines" the chassis as "ground". All voltage measurements are taken with respect to the chassis. Bypass capacitors either connect to the chassis directly, or to a PC board trace which goes to the chassis. If the radio is a handheld or a satellite, this is all that can be done. There is no conductor going to the earth.

The most complex situation is something like a 10 meter station not running QRP and not having a short route to the earth. If the antenna is a just a piece of wire connected to the back of the radio, you might have some unwelcome effects. RF from the antenna can easily flow onto the chassis of the radio, and into the house wiring. The microphone can become a part of the antenna, and give you lips a shock, or get into the audio circuits of the radio. Current following the house wiring can get into TV sets. Radiation from all of these may make your antenna pattern something other than what you might expect from just examining the wire you put up as an antenna. Solutions are numerous, and you might need to do several of the following to solve your difficulties. Then again, you just might be lucky and not need to do anything special.

First, I recommend using some kind of balanced antenna instead of an end-fed wire. Such as a center-fed dipole or a loop. A vertical antenna with radials has its own ground system. If the currents in one part of the antenna can "see" the rest of the antenna, they will not look so hard for some other places to go, like your stereo wiring!

An antenna tuner designed for balanced wires, ferrite beads on the outside of the coax, or a balun will all keep the antenna currents away from the rig. I have heard it said that loop-type antennas act as a built-in balun. I used a quad for many years without feeling any need for a balun.

(As an aside, I do not have a lot of warm feelings for the many popular tuners which have ferrite balun built-in. Almost invariably the balun is on the antenna side of the impedance matching circuit. All baluns work best over a limited range of impedances and frequencies. If a balan is designed for 50 ohms and put where the impedance is something else, the balun may not do a good job over a broad band. My personal preference is either use an antenna with a 50 ohm impedance with a 1:1 balun, or use a tuner designed to handle open wire line. Look in an old edition of the ARRL handbook.)

Someone else mentioned the possibility of a counterpoise (and the MFJ artificial ground). These are really an extension of your antenna system that sets up currents to cancel the RF voltage on the radio. Under some conditions, a LOT of current may flow in the counterpoise, and the far end will be have a very high RF voltage. So watch where you run the wire and how you insulate it. By their nature, couterpoises are narrow banded.

Another consideration of RF grounds is TVI. The initial assumption is that the cabinet of the transmitter is completely sealed. Every transmitter generates some amount of harmonic energy. If there is a small crack in the case, or a key lead is not bypassed, the RF could get outside the radio and travel to a nearby TV set. This is less likely if the outside of the radio is grounded at 50 or 100 MHz! Now we are talking really short connections! If you have a case of TVI with the transmitter connected to a dummy load, you need to either improve the ground, or the bypassing and shielding of the transmitter cabinet. I once had such a situation. Fortunately, my shack is on an outside wall at ground level so a short ground wire was practical. Experiments with shielding and bypassing made it possible to operate with the ground disconnected.

Good luck with your studies, and don't let the other people discourage you from enjoying Morse code.

Paul AA6PZ

From 4718230944983886416
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a47342cf3a895d0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 13:59:19 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!skvax1.csc.ti.com!anderson
From: anderson@skvax1.csc.ti.com (John H. Anderson N5OPY)
Newsgroups: rec.ham-radio
Subject: Looking for 2 hts.
Message-ID: <9010242059.AA28522@tilde>
Date: 24 Oct 90 20:59:19 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 39
Posted: Wed Oct 24 21:59:19 1990

I am posting this message here for a couple who are hams in Paupua New Guinea. They work as language translators in the bush, and want to use HTs to keep in touch while John is away from the village.

John writes the following:

"As you know, Marsha's dad and mom are leaving for PNG on Nov 29. If its possible, we'd like to get some 2 meter handi-talkies so they could hand carry them here. We're looking for a pair of Icom IC2ATs that use AA batteries/nicads. Something that puts out 5 watts if at all possible since that would help cover greater distances(very few repeaters here).

If AA power is not available any more, we will need a way to charge the battery pack from 115/240 ac (our generator is 50 cycle) or from 13.5v dc (our solar panels - this may require an in-line resistor set up of some sort)."

I thought it might be interesting to post part of his message here. It was written 10/14 and received in Dallas 10/23. Thats not too bad for snail-mail world wide. Lets see how quickly this gets around.

It would be nice to hear from anyone having an idea what the going price is for what they are looking for.

They can spend from $200-$250 dollars for the pair.

This may be be far out, but If a tax deduction is interesting, I think the organiation they work with, qualifies.

Anyone having one or more of these, please e-mail me direct.

--
John H. Anderson, N5OPY
anderson@skvax1.csc.ti.com
N5OPY@N5LDD.TX.USA.NA

From -7481167614402222934
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,40677dc684d438ef,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-24 14:57:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!know!sdd.hp.com!ucsd!ucbvax!
D15VS178A.SPACE.SWRI.EDU!ROsman%ASS%SwRI05
From: ROsman%ASS%SwRI05@D15VS178A.SPACE.SWRI.EDU
Newsgroups: rec.ham-radio
Subject: was ICOM Service, now Useful Email Addrs for Hams
Message-ID: <9010242158.AA12903@ucsd.edu>
Date: 24 Oct 90 21:57:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Wed Oct 24 22:57:00 1990

Earlier, John mentioned his frustrations with ICOM service.
Bill Everett is ICOM's service manager, and he has a Compuserve
account (meaning E-Mail address). He moderates the ICOM section
of HAMNET on Compu$erve. Bill seems to be a basically good head,
but follows the ICOM party line pretty closely.

Bill Everett K7RIE of ICOM <76702.753@Compuserve.com>

Norm Sternberg of AEA is in the same boat. His INTERNET address
is:

Norm Sternberg W2JUP of AEA <76702.1013@Compuserve.com>

Oz (Rich Osman, WB0HUQ)   INTERNET: Oz@SwRI.edu
(512) 522-5050 (w); (512) 699-1302 (h, merciless machine)
(512) 522-2572 (just the fax)

From -1874635295319851344
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc60d0a31f629acc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 19:47:31 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!rochester!
uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!
David.Stark,.NF2G
From: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG (David Stark, NF2G)

Newsgroups: rec.ham-radio
Subject: Re: DAB taking ham freqs?
Message-ID: <139.2720A073@rochgte.FIDONET.ORG>
Date: 20 Oct 90 02:47:31 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 19
Posted: Sat Oct 20 03:47:31 1990

> From: phil@ux1.cso.uiuc.edu
>
> But clearly you cannot be INBAND on 2 meters since you cannot operate the
> auxiliary station there at all. But I see no problem with doing it on 220
> or 420.

This must be what confused my memory. One of the local 2 meter repeaters has a control link in the 70 cm band because it can't legally be done on 2 meters. I must have mentally added that restriction to all the other bands.

--
%
David Stark, NF2G - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark,.NF2G
INTERNET: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG
%

From 2598860358566852704
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c29d8abefd012d5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 19:55:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!
f218.n260.z1.FIDONET.ORG!David.Stark,.NF2G
From: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG (David Stark, NF2G)
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V90 #309
Message-ID: <140.2720A075@rochgte.FIDONET.ORG>
Date: 20 Oct 90 02:55:10 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 36
Posted: Sat Oct 20 03:55:10 1990

> From: phil@ux1.cso.uiuc.edu
>
> In my case I'm not talking about being in a "routine" situation, such as
> your firefighter example. I am concerned about the SUDDEN EMERGENCY

> situation where SECONDS might even determine if someone dies.

I recognize the scenario that you are using, but my comment still stands. It _might_ be better NOT to cite the fact that you are a ham or any Part 97 provisions in a case like that. Again, this is only an opinion.

> Secondly, I would NOT pose the question for any sort of
> "official" answer

Don't worry. I haven't done anything so foolish. ;-)

> question to them. If you want a legal analysis of it, your laywer or
> a communications attorney would be the proper people to see.

We could ask Ploni Almoni over in the FCC echo. He is a lawyer, not an FCC person.

> Unfortunately there are a lot of people out there who
> would be what these agencies fear, and these people have ham
> tickets, too.

Amen!

--
%
David Stark, NF2G - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark,.NF2G
INTERNET: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG
%

From 3229523208774076772
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db96dcdd679c4e46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 20:12:38 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark,.NF2G
From: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG (David Stark, NF2G)
Newsgroups: rec.ham-radio
Subject: Re: Re: Info-Hams Digest V90 #296
Message-ID: <141.2720A077@rochgte.FIDONET.ORG>
Date: 20 Oct 90 03:12:38 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 75
Posted: Sat Oct 20 04:12:38 1990

> From: stanley@fozzie.UUCP (John Stanley)

>
> However, you _assume_ the requestor of the mod info is _not_ authorized
> to do what he was asking to do. He might be, he might not be. To

That is true. So is he, or isn't he?

> _is_ doing something he shouldn't be is making assumptions based on facts
> not in evidence (sorry, too much Perry Mason).

But the defense has declined to place the pertinent facts in evidence, Your Honor. ;-)

> > In my *opinion* this is different from the case of a ham who
> > takes his HT, which is only certificated for amateur use, and modifies
> > it for out of band coverage for whatever reason. If he can get the
> > radio certified/type accepted/whatever by the FCC for the additional
> > frequency coverage, the radio itself is legal.
>
> The radio itself is legal whether or not it is certified/type accepted
> for out-of-band. He couldn't sell it, but there is NO CRIME in posessing
> a radio with oob capability. Like mine, which covers all but is

Let's not nitpick. You know and I know that the issue is USING the radio to TRANSMIT out of band. That is a reasonable presumption of the intent of a transmit mod.

> I said posessing, not using.

Then you and I are not quite arguing the same point.

> fact, no oob
> operation is covered by 97. Part 97 says what freqs you MAY use, not what
> you are prohibited from using. Anything oob is covered by other regs.

Hams have been fined by FCC for transmitting out of band under the relevant portions of Part 97 covering allowable frequencies. If you are a licensed ham and transmit outside of your allocated bands, you are in violation of the sections of Part 97 specifying your band limits. You may also be found to be in violation of other Parts.

> > Remember that this whole thing got started by somebody who
> > stated he was trying to access non-ham repeaters with ham equipment
> > and wanted advice on how to attain the odd split. Nothing in the
>
> Instead he got told "I don't think you should do what you want. I don't
> know what you want to do for sure, but it surely must be illegal."

Please, please, please read the second line of the above quote again, or better yet the original message if you still have it. The individual in question specifically stated that he was attempting to use a transceiver manufactured for amateur use on non-ham repeaters. That is illegal on its face, unless he is authorized to use those non-ham frequencies by licensure or permission of a licensee in

another service AND the radio will be certified as meeting technical
standards for that service.

 >   Unfortunatley, we have already decided that what he wants is not
 > covered by Part 97, so self-policing doesn't apply. This country

      You have decided that, based on what I _believe_ to be faulty
reasoning. As stated in a previous message to Phil, the FCC can and
does take action against ANY type of license held by a person found
guilty of an infraction of any of their regs. So what's wrong with
advising a fellow ham that he _might_ lose his amateur privileges if
the action he is contemplating is not legal?

--
%
David Stark, NF2G - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark,.NF2G
INTERNET: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG
%

From 8075294031603698856
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ecfa6d87563128ed,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 20:27:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!OSUCC.BITNET!AGENGCC
From: AGENGCC@OSUCC.BITNET
Newsgroups: rec.ham-radio
Subject: In article <30500796@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
Message-ID: <9010200330.AA26235@ucsd.edu>
Date: 20 Oct 90 03:27:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25
Posted: Sat Oct 20 04:27:00 1990

>
>There have been a few cases where I get to see the media deal with an
>issue I know a lot about. ABSOLUTELY EVERY time, they got things wrong
>and/or out of context.

This has been my experience (2 times) also.

>From that day on, I have always questioned what I read, hear, or see, in
>the media.

>I tended to question the media prior to my experience, now I *know* that
>almost anything you see will be heavily biased. Even if it *looks* obvious,
>don't believe it.

I've worked on newspapers on and off since 1959 & I would like to come to their defense, but I can't. I have had stories screwed up beyond belief. There a a few real pros that get it right. But the younger generation for the most part have a bang up journalism education and don't know come here from sic em about the rest of the world. The ones I have met don't care to learn either. I have been in on a couple of national stories and they bore almost no resemblance to the facts. This is in newspapers and they are 10 times better than TV.

Gordon Couger N5QAQ AGENGCC@OSUCC.BIT

From 2250492971451972644
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e5652a14a5679802
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,e5652a14a5679802
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-19 20:31:39 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!pacbell.com!tandem!netcom!edg
From: edg@netcom.UUCP (Edward Greenberg)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: J pole antenna plans for 2M
Message-ID: <15195@netcom.UUCP>
Date: 20 Oct 90 03:31:39 GMT
References: <110392@philabs.Philips.Com>
Organization: Netcom- The Bay Area's Public Access Unix System {408 241-9760 guest}
Lines: 19
Xref: gmdzi rec.ham-radio:16021 rec.radio.shortwave:2502
Posted: Sat Oct 20 04:31:39 1990

Thanks to Robert Casey N6UBM for posting the description of a Two Meter J-Pole.

I have several questions on this antenna that he or someone else might answer.

1. How much power could one push into this when made out of twinlead? Would 5 watts be OK? How about 10?

2. How do you tune it? Trim the top?

3. Can you build this upside down? I.E. Feed it from the top, weight the bottom, and hang it out the window by the coax?

adTHANKSvance,
-edg

--
Ed Greenberg
edg@netcom {amdahl | amdcad | apple}!netcom!edg
CompuServe: 76703,1070 Packet Radio: WB2GOH @ N6LDL.CA.USA.NA

From -5497336490724379301
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8a30b39b8661f1d2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 21:06:08 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!ucsd!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: MONTHLY SOLAR TERRESTRIAL REVIEW
Message-ID: <901019220608.2400494c@HG.ULeth.CA>
Date: 20 Oct 90 04:06:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 233
Posted: Sat Oct 20 05:06:08 1990

--- MONTHLY SOLAR TERRESTRIAL REVIEW ---
September 1990

Report Issued from Data Released by the
Space Environment Services Center
Boulder Colorado

MONTHLY ACTIVITY SUMMARY AND SOLAR CYCLE OUTLOOK OCTOBER 1990 - APRIL 1991

We are now in month 49 of solar cycle 22. Average activity levels and solar indices fell dramatically in September when compared to the August averages. Daily values for the 10 cm solar radio flux, sunspot number, and sunspot area fell by nearly 50% in some cases. In particular, the average 10 cm flux fell by over 45 points to 175.8, the average sunspot number fell 83 points to 186.4, and the average sunspot area was less than half that of August (6,933 million square kilometers [4,333 mil. sq. miles] in August compared to 3,399 mil. sq. kilometers [2,124 mil. sq. miles] in September). This sharp drop in activity averages resulted in a 0.8 drop in the smoothed sunspot numbers for March 1990 from that of February, a similar drop in the smoothed 10.7 cm flux was also noted. The decrease in the smoothed sunspot numbers has turned the prediction model downward again. It is now very unlikely that we will see activity of sufficient magnitude for a sufficient length of time to change the cycle maximum of July 1989. This being the case, solar cycle 22 will go on the record as the shortest rise to maximum ever recorded (only 34 months).

Flare activity was low to moderate during September. Sixteen M-class flares were reported during the month, and of these, only one reached M5 strength. It was an M5/1B from Region 6272 at 21:56 UT on 17 September. In addition, Region 6272 produced two smaller M-class flares earlier on the 17th. The only other Regions that produced more than one M-class flare during the month were Region 6233 and Region 6266. Region 6233 was August's most active region. During September, it produced four M-class flares before crossing the limb. Region 6266 produced only two M-class flares.

Satellite level protons remained at background levels throughout the month.

Geomagnetic activity was mostly unsettled. There were nine days of active conditions at middle latitudes and six at high latitudes. High latitudes also experienced five days of minor storm conditions and one of major storm conditions. This activity is believed to be more in response to coronal hole and disappearing filaments than to solar flare activity. Although the long duration M3/SF on 14 September may have contributed to the geomagnetic activity on 18 September. Likewise the M5/1B major flare of 17 September may have contributed to the activity of 21-22 September.

Early outlooks showed a pulse of activity in September or October with a low around the first of the year followed by a second pulse of activity about April 1991. However, the uniqueness of cycle 22 with its earlier than predicted sunspot maximum and earlier than predicted pulse of activity may indicate that earlier outlooks of future pulses may also be late by several months. The cycle is still expected to contain a relatively flat peak through 1991 (with a slow decline), which would indicate that solar activity throughout the coming year will likely have several bursts of high activity with increasing periods of low activity occurring as the cycle begins to wind down.

Geomagnetic conditions will also contain spikes of activity occurring throughout the coming year due to solar activity and coronal holes, which are showing signs of stabilizing somewhat, in recurrent patterns. The probability of major geomagnetic activity being attributed to strong solar flares is steadily decreasing as the number of flares capable of producing terrestrial impacts also begin to decline. Most of the future magnetic activity will likely be caused by coronal holes and disappearing filaments (as was observed during September).

Radio propagation conditions over the coming year will, likewise, experience brief periods of poor to very poor conditions due to the magnetic and periodic solar activity. Overall, however, radio propagation conditions are expected to remain very good over most paths as sunspot numbers continue to remain elevated over the next year or so.

RECENT SOLAR INDICES (PRELIMINARY) OF THE OBSERVED MONTHLY MEAN VALUES
Updated for September, 1990

	Sunspot Numbers					Radio Flux		Geomagnetic	
	Observed		Ratio	Smooth Values		Ottawa	Smooth		Smooth
	SESC	RI	RI/SESC	SESC	RI	10 cm	Value	Ap	Value
YEAR = 1988									
Oct:	163.7	125.1	.76	160.5	125.2	169.8	171.6	13	15.7

Nov:	153.8	125.1	.82	168.3	130.2	156.2	177.5	12	16.1
Dec:	229.5	179.2	.78	180.1	137.4	199.8	184.8	13	16.5

YEAR = 1989

Jan:	203.2	161.6	.80	189.2	141.9	235.4	190.2	19	16.7
Feb:	211.0	164.5	.78	196.0	144.7	222.4	194.0	15	17.0
Mar:	176.8	131.0	.74	204.1	149.4	205.1	199.7	41	17.6
Apr:	172.3	129.3	.75	209.9	153.1	189.6	204.4	23	18.2
May:	207.0	138.4	.67	216.4	156.5	190.1	209.3	16	18.8
Jun:	297.3	196.0	.66	220.1	157.9	239.6	213.1	17	19.2
Jul:	193.9	126.8	.65	221.1	158.1	181.9	212.6	8	19.1
Aug:	243.0	166.8	.69	221.5	157.4	217.1	209.7	20	19.3
Sep:	240.7	176.8	.74	221.3	156.3	225.9	207.2	17	18.8
Oct:	217.4	158.5	.73	223.2	157.1	208.7	206.3	21	18.3
Nov:	255.0	173.0	.68	223.4	157.3	235.1	206.1	19	18.4
Dec:	217.8	166.1	.76	217.3	153.3	213.0	203.3	16	18.4

YEAR = 1990

Jan:	239.3	179.4	.75	212.4	150.3	210.1	200.4	14	18.6*
Feb:	184.7	128.4	.71	213.9	152.5*	178.3	200.5*	23	18.8*
Mar:	198.6	140.8	.71	212.7	151.7*	188.8	198.6*	23	18.7*
Apr:	196.1	139.8	.71			185.3		27	
May:	187.7	132.0	.70			189.7		16	
Jun:	168.9	105.2	.62			170.9		16	
Jul:	204.3	147.0	.72			180.7		14	
Aug:	269.4	199.9*	.74*			221.6*		19*	
Sep:	186.4	124.7*	.67*			175.8*		15*	

* = Preliminary estimates

The lowest smoothed sunspot number for Cycle 21, RI = 12.3, occurred in September 1986. The preliminary sunspot maximum for this cycle (cycle 22) remains July 1989, with a peak smoothed sunspot number of 158.1.

SUMMARY OF GEOMAGNETIC ACTIVITY FOR SEPTEMBER 1990.

Global geomagnetic activity peaked on 12 September with an estimated planetary A-Index value of 24. On that day, the eight estimated planetary K-indices were (starting at 00 UT): 5, 4, 3, 4, 3, 3, 3, 3. High latitudes experienced the most severe geomagnetic activity, reaching major storm conditions on 11 September. The magnetic observatory at Anchorage Alaska recorded an A-Index of 50 on 11 September. The eight K-index values for Anchorage were (starting at 00 UT): 3, 3, 5, 7, 6, 5, 4, 4. Middle latitudes closely followed the planetary figures throughout this period, implying that the strong geomagnetic activity remained confined to the high northern latitudes.

Global geomagnetic activity reached it's lowest value of the month on 30

September, with an estimated planetary A-Index of 6. Estimated planetary K-Index figures for this date were: 2, 0, 1, 1, 2, 3, 2, 2. Middle latitudes had K-Index figures slightly below these values, while high latitudes had figures slightly above these planetary estimates.

DAILY SOLAR DATA FOR SEPTEMBER, 1990.

ENERGITIC EVENT SUMMARY (MINOR AND MAJOR FLARES)

Date	Time (U.T.)			X-Ray	Optical Information			Sweep Freq. Intensity			
	Begin	Max	End	Class	Type	Location	Region	II	III	IV	V
01 Sep	0700	0710	0728	M2.7	SN	N14W31	6233				
03 Sep	0940	0946	1008	M2.2	1B	N14W57	6233				
04 Sep	1432	1446	1530	M1.4	1N	N14W73	6233		1		1
05 Sep	0356	0431	0717	M2.7	SF	N14W87	6233		1		
06 Sep	2108	2151	2250	M1.9	Uncorrelated event.				1		
12 Sep	0054	0110	0139	M1.5	2N	N06W45	6247		1		
14 Sep	0408	0417	0429	M1.3	1F	S29E43	6266	3	3		
	1326	1406	1522	M3.5	SF	S20E90					3
	2001	2015	2048	M1.6	2N	N19E25	6263	2			2
17 Sep	0549	0555	0559	M1.0	1N	S15E41	6272		3		
	1341	1346	1355	M1.3	SB	S15E30	6272		2		
	2151	2156	2202	M5.3	1B	S15E29	6272		3		3
19 Sep	0901	0908	0913	M2.6	1N	N06E90	6281				
22 Sep	0302	0319	0345	M1.1	1F	S27W60	6266				
23 Sep	1305	1313	1322	M2.7	Uncorrelated event.			1			1
25 Sep	0221	0228	0235	M1.7	1B	N15E09	6280		1		

NOTES:

- Xray Flare Classes (weak to strong): C, M, X (with sub-categories rated from 0.0 to 9.9 in each class).

- Optical Flare Classes (weak to strong): S, 1, 2, 3, 4 (with an attached figure identifying brightness: F-Faint, N-Normal, B-Brilliant).

- Locations are given in latitude and longitude as measured from the central solar meridian.

- Sweep Frequency Intensity represents the intensity of detected solar radio frequency bursts (bursts sweep over large frequencies). Type II and IV almost always represent ejection of solar material through the solar corona and into interplanetary space. Intensities are rated from 1 to 3+.

GENERAL DAILY SOLAR STATISTICS

Date	Radio Flux Ottawa 10.7 cm	Sunspot Number	Sunspot Area mil.sq.km.	Flares						
				X-Ray			Optical			
				C	M	X	S	1	2	3
01 Sep	167	193	3,300	3	1	0	8	0	0	0
02 Sep	165	186	3,330	6	0	0	13	2	0	0
03 Sep	157	180	2,910	9	1	0	15	2	1	0
04 Sep	160	204	2,940	7	1	0	18	4	0	0
05 Sep	157	169	2,250	8	1	0	7	0	0	0
06 Sep	154	153	2,220	6	1	0	10	0	0	0
07 Sep	160	135	2,100	2	0	0	11	3	1	0
08 Sep	159	153	1,980	4	0	0	7	2	0	0
09 Sep	166	157	2,010	1	0	0	15	0	0	0
10 Sep	168	173	2,190	3	0	0	4	0	0	0
11 Sep	176	206	3,150	6	0	0	16	2	0	0
12 Sep	189	193	4,170	3	1	0	8	1	1	0
13 Sep	194	195	4,290	6	0	0	16	1	0	0
14 Sep	206	239	4,680	5	3	0	16	4	1	0
15 Sep	203	229	5,070	4	0	0	12	1	0	0
16 Sep	200	221	4,710	7	0	0	10	3	0	0
17 Sep	205	228	4,110	8	3	0	23	3	0	0
18 Sep	203	224	3,720	7	0	0	26	1	0	0
19 Sep	208	231	4,140	6	1	0	13	0	1	0
20 Sep	200	196	3,930	10	0	0	22	4	0	0
21 Sep	200	194	4,440	7	0	0	13	0	0	0
22 Sep	192	182	4,530	1	1	0	10	1	0	0
23 Sep	183	172	4,770	2	1	0	6	0	0	0
24 Sep	176	163	3,900	10	0	0	11	4	0	0
25 Sep	165	173	3,300	4	1	0	14	2	0	0
26 Sep	157	147	3,210	4	0	0	8	0	0	0
27 Sep	150	160	2,580	1	0	0	9	0	0	0
28 Sep	150	168	2,460	4	0	0	6	0	0	0
29 Sep	149	185	2,820	3	0	0	14	0	0	0
30 Sep	156	182	2,790	2	0	0	16	0	0	0

** End of Report **

From 9026849882272389842
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,be078b7df4653c80,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-20 01:25:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!randvax!vortex!lauren
From: lauren@vortex.COM (Lauren Weinstein)
Newsgroups: rec.ham-radio
Subject: Re: Weird splits
Message-ID: <59.UUL1.3#1@vortex.COM>
Date: 20 Oct 90 08:25:52 GMT
Organization: Vortex Technology

Lines: 18
Posted: Sat Oct 20 09:25:52 1990

In my original query about doing non-25 Khz splits for the IC24, I was very clear about why I was interested--there are a number of open 2m ham repeaters in the L.A. area (which is extremely congested with repeaters, but not that many open ones) which have non-standard splits that are not multiples of 25 Khz. That's my interest.
I don't appreciate Faunt's insinuation to the contrary.

Perhaps he was confused by other people who followed up the original thread with other desires regarding odd splits for out-of-band operations. Such operations are of zero interest to me since I don't operate out of band (hell, I haven't even done the well-publicized modifications to my IC24 to transmit in the legal part of the ham bands which it doesn't cover as shipped...)

By the way, nobody came up with a simple way of doing non-standard splits on the IC24.

--Lauren--

From -1331549144153699789
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5b8660cd02ef1cab
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-20 05:54:49 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!decwrl!ames!uhccux!uhunix1.uhcc.Hawaii.Edu!johns
From: johns@uhunix1.uhcc.Hawaii.Edu (John P. Shalamskas)
Newsgroups: rec.ham-radio
Subject: Re: Dipoles
Message-ID: <9961@uhccux.uhcc.Hawaii.Edu>
Date: 20 Oct 90 12:54:49 GMT
References: <4263@altos86.Altos.COM> <4140022@hpnjld.HP.COM>
Sender: news@uhccux.uhcc.Hawaii.Edu
Organization: University of Hawaii
Lines: 26
Posted: Sat Oct 20 13:54:49 1990

In article <4140022@hpnjld.HP.COM> eyg@hpnjld.HP.COM (Ed Gilbert) writes:
>> Anyone know the effect wire insulation has on the length of a resonant
>> dipole? I've always used the formula 468/freq to calculate the length
>> of bare-wire dipoles. What does the numerator change to if the wire
>> is insulated?
>
>I would be very surprised if the insulation has any effect at all. Treat
>it the same as bare wire for resonant length purposes.
>
>   WA2SRQ

The 468/f formula results in the antenna being 5% longer than in free space because of capacitive "end effects." Insulation has the effect of increasing the capacitive reactance of the wire some more (via the dielectric effect.)

But in my experience the 468/f(MHz) formula has always been about 3% long, and I doubt that the added capacitance of the insulation will make a very large difference.

So, go ahead and use the 468/f method. You will probably just trim less wire to make it resonate.

If you are using expensive wire, then add another 2-5 percent to the length, just to be safe.

Aloha de KJ9U/KH6

From 8159458391923663120
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31ab972b4be60ae1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-20 07:07:28 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: legal identification
Message-ID: <1468@ke4zv.UUCP>
Date: 20 Oct 90 14:07:28 GMT
References: <3341@orbit.cts.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 15
Posted: Sat Oct 20 15:07:28 1990

In article <3341@orbit.cts.com> rambler@pnet51.orb.mn.org (Dan Meyer) writes:
>Question:
>
>If you are using a repeater, and you signal drops to the point of being
>unreadable to the repeater, how does one legally ID ? Just id on the input
>frequency ? just id on the output frequency?
>
>...Wondering

You are only responsible for identifying YOUR transmissions, the repeater is responsible for identifying it's transmissions. YOU are only radiating a signal on the repeater's input. This is the only signal you are responsible for IDing. Whether the repeater retransmits your signal is immaterial.

Gary KE4ZV

From 2434498761823247425
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,32f6ce9c97eeab06,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-20 07:34:23 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: So Cal repeater stats
Message-ID: <21168@ucsd.Edu>
Date: 20 Oct 90 14:34:23 GMT
Organization: The Avant-Garde of the Now, Ltd.
Lines: 34
Posted: Sat Oct 20 15:34:23 1990

One of the local repeater frequency coordinating committees published some interesting statistics on the number of repeaters in Southern California the other day. Assuming I copied the numbers correctly from the bulletin that was read on the air, there are 1,736 VHF & UHF repeaters and remote bases coordinated in So Cal (and quite a few more uncoordinated ones).

These break down as follows:

13	open	6m
9	closed	6m
180	open	2m
108	closed	2m
115	open	220 MHz
172	closed	220 MHz
31	open	450 MHz
488	closed	450 MHz
7	open	900 MHz
23	closed	900 MHz
21	open	1.2 GHz
65	closed	1.2 GHz
504	multiband remote base	

(Note that 'closed' and 'private' are rolled together: the former merely requires club membership which is open to any applicant; the latter is by-invitation only. They didn't mention any statistics on how many there are in each of these categories.)
- Brian

From -2170802822299356887
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d7080309ef7b4c1e,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-10-20 10:56:48 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: splits
Message-ID: <9010201757.AA28627@ucsd.edu>
Date: 20 Oct 90 17:56:48 GMT
References: <9010200130.0.UUL1.3#1@vortex.COM>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 37
Posted: Sat Oct 20 18:56:48 1990

> >From vortex!lauren@rand.org Sat Oct 20 02:14:36 1990
> Date: Sat, 20 Oct 90 01:30:45 PDT
> From: lauren@vortex.COM (Lauren Weinstein)
>
> The reason I never came back is that I was very clear in my original message. There are a number of 2m ham repeaters in L.A. with odd splits, and I'd like to use them if possible. I don't appreciate your public insinuation that there was something bogus about wanting an odd split. Take a look at the repeater guide for L.A. and you'll see that a number of the best located open repeaters use odd splits.
>
> You may be confusing my message with some followup messages that were from people who had clearly illegal uses in mind. In fact, I sent one of those people mail telling them that what they had in mind was illegal. (They basically replied that they didn't care.)
>
> In any case, your public insinuation was out of order.
>
> --Lauren--

Sorry, I didn't mean to insinuate ANYTHING. That was aimed at the people who were flaming you without considering that you might have a legitimate use for the information. My point was supposed to be that there was a great deal of heat about your request, and almost no light.

I believe you mentioned a 6.46 split on VHF which can't be done inside 2 meters. Yes, there are funny splits around, and weird splits have many legitimate uses, including the one that I use that capability for on my IC-32, that is, have the local police/fire/whatever frequency in memory for monitoring, but have the split set so that on key up the unit transmits on a legal but unused frequency.

My public apologies for writing something that you misunderstood.
73, doug

From 8776030000872694840

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d7080309ef7b4c1e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-20 12:10:52 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!uwm.edu!bionet!agate!ucbvax!vortex.COM!lauren
From: lauren@vortex.COM (Lauren Weinstein)
Newsgroups: rec.ham-radio
Subject: Re: splits
Message-ID: <9010201210.0.UUL1.3#1@vortex.COM>
Date: 20 Oct 90 19:10:52 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Sat Oct 20 20:10:52 1990

No, the person asking about the 6.46 split was one of those other people--I believe the person in question wanted to access a telco paging repeater with a ham HT, and it was his message that started off the "type acceptance" thread.

I never mentioned a particular split in my message, just that the oddball 2m ham repeaters in L.A. that use odd splits don't fall on multiples of 25Khz.

The repeater congestion problem is so severe around here that there is serious talk of going to a 15khz channel allocation for the ham bands.

--Lauren--

From -2801935434599330312
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-20 12:43:00 PST
Path: gmdzi!unido!mcsun!uunet!husc6!m2c!wpi.WPI.EDU!gkd
From: gkd@wpi.WPI.EDU (Gregory K Doerschler)
Newsgroups: rec.ham-radio
Subject: Re: Antenna Restrictions
Message-ID: <1990Oct20.194300.23704@wpi.WPI.EDU>
Date: 20 Oct 90 19:43:00 GMT
Organization: Worcester Polytechnic Institute
Lines: 20
Posted: Sat Oct 20 20:43:00 1990

In article <1990Oct19.131821.5737@towernet.cc.bellcore.com> whs70@taichi.UUCP (24460-W. H. Sohl) writes:
>
>Antenna restrictions can be instituted by a
>city/municipality for valid and defendable reasons. An outright

>ban on ham antennas would likely be viewed as arbitrary and capricious
>by the courts, BUT a restriction can be justified on the basis of
>safety and zoning. For example: It doesn't take much effort for
>a city to defend a height restriction that incorporates verbage
>to the affect "No antenna shall be installed that if it fell
>from its base would extend beyond the property line of the owner."

How about this one: "No tree shall be allowed to grow that if it fell
from its trunk would extend beyond the property line of the owner."

After all, fair is fair!   :-)

Greg

From -7582546488952071854
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5b8660cd02ef1cab
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-20 13:00:50 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!rutgers!njin!uupsi!fozzie!stanley
From: stanley@fozzie.UUCP (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: Dipoles
Message-ID: <44VcR4w161w@fozzie.UUCP>
Date: 20 Oct 90 20:00:50 GMT
References: <4140022@hpnjld.HP.COM>
Organization: One Man Brand
Lines: 19
Posted: Sat Oct 20 21:00:50 1990

eyg@hpnjld.HP.COM (Ed Gilbert) writes:
> > Anyone know the effect wire insulation has on the length of a resonant
> > dipole? I've always used the formula 468/freq to calculate the length
> > of bare-wire dipoles. What does the numerator change to if the wire
> > is insulated?
>
> I would be very surprised if the insulation has any effect at all. Treat
> it the same as bare wire for resonant length purposes.
>

Insulation will have a definite but neglible effect. The dielectric
constant of insulation differs from that of air, so it will have a small
impedance changing effect. It is probably less than the experimental
error in cutting the wire, or effects from how the wire is supported.

But, that is why you should always prune the antenna for best operation.

This is my signature. It doesn't contain my name at all!

From 2810834758464888 53
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db96dcdd679c4e46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-20 13:26:20 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!
zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Re: Info-Hams Digest V90 #296
Message-ID: <5142@qip.UUCP>
Date: 20 Oct 90 20:26:20 GMT
References: <141.2720A077@rochgte.FIDONET.ORG>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 28
Posted: Sat Oct 20 21:26:20 1990

In article <141.2720A077@rochgte.FIDONET.ORG>
David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG (David Stark, NF2G) writes:
]   Hams have been fined by FCC for transmitting out of band under
]the relevant portions of Part 97 covering allowable frequencies. If
]you are a licensed ham and transmit outside of your allocated bands,
]you are in violation of the sections of Part 97 specifying your band
]limits. You may also be found to be in violation of other Parts.

...

]The individual in question specifically stated that he was attempting to
]use a transceiver manufactured for amateur use on non-ham repeaters.
]That is illegal on its face, unless he is authorized to use those
]non-ham frequencies by licensure or permission of a licensee in
]another service AND the radio will be certified as meeting technical
]standards for that service.

I should point out that some military services do NOT require technical
certification. I use amateur equipment on CAP frequencies and National
Guard frequencies - both with authorization. There is a CAP license, but
no license required for national guard. Neither have technical standards.
Also, the air force around here uses Kenwood ham HT's for their base
commander's net.
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From 5682721980233418473
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,456ba6bbf51c4f1e,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-20 13:47:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9010202047.AA16670@blackbird.afit.af.mil>
Date: 20 Oct 90 20:47:09 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 387
Posted: Sat Oct 20 21:47:09 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #760 -
Alouette 1
1 00424U 62B-A  1 90290.09755940  .00000208  00000-0  23999-3 0  3448
2 00424  80.4647 165.8830 0023269 321.8619  38.0885 13.67401112399351
ATS 3
1 03029U 67111  A 90289.28035725 -.00000074  00000-0  99999-4 0  4301
2 03029  13.3532  20.1786 0021153 222.5402 137.2858  1.00272758 84004
Cosmos 398
1 04966U 71 16  A 90290.46295971  .00101750  18279-4  51032-3 0  1455
2 04966  51.5187 287.8265 2199856  21.0014 346.8484 11.22121220605327
Starlette
1 07646U 75010  A 90279.85306876 -.00000026  00000-0  27383-4 0   993
2 07646  49.8249  77.8648 0206346 199.9145 159.3604 13.82143047791222
LAGEOS
1 08820U 76039  A 90281.95050342  .00000004  00000-0  00000 0 0  1109
2 08820 109.8632  34.0822 0044642 214.0926 145.6609  6.38664386 81204
GPS-0001
1 10684U 78020  A 90288.60057786  .00000006  00000-0  99999-4 0  5140
2 10684  63.7986  85.8343 0121398 197.5868 161.9736  2.00555544 78265
GPS-0002
1 10893U 78 47  A 90288.58581840 -.00000024  00000-0  00000 0 0  2420
2 10893  64.3372 326.6967 0165975  24.3867 336.4610  2.00539827 91087
GOES 3
1 10953U 78062  A 90287.60198379  .00000112  00000-0  99999-4 0  9612
2 10953   7.2259  64.9653 0008703  94.2899 265.8830  1.00289464  5895
SeaSat 1
1 10967U 78064  A 90290.24654850  .00001139  00000-0  43468-3 0  3897
2 10967 108.0112 212.1057 0002105 227.4563 132.6433 14.35920835643974
GPS-0003
1 11054U 78093  A 90287.36121414 -.00000023  00000-0  00000 0 0  2668
2 11054  63.8502 322.9526 0060677 120.5420 240.1218  2.00569081 88078
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Nimbus 7
1 11080U 78098  A 90289.23448426  .00000100  00000-0  11952-3 0  6970
2 11080  99.1827 191.3375 0009566 116.7471 243.4664 13.83465199604772
GPS-0004
1 11141U 78112  A 90290.46058100  .00000006  00000-0  00000 0 0  4384
2 11141  63.7573  85.6523 0058077 315.2559  44.2761  2.00552537 86835
GPS-0005
1 11690U 80 11  A 90286.61265587  .00000007  00000-0  00000 0 0   168
2 11690  64.2263  87.9424 0118694 201.9966 157.5098  2.00554382 92610
GPS-0006
1 11783U 80 32  A 90291.40550126 -.00000023  00000-0  99999-4 0  2164
2 11783  63.6381 322.3661 0153737  60.7115 300.9017  2.00562696 76793
GOES 5
1 12472U 81049  A 90285.45166470 -.00000023  00000-0  99999-4 0  9833
2 12472   3.7567  74.3458 0000784  32.1439 328.0562  1.00203872 33407
SME
1 12887U 81100  A 90290.15239903  .00093764  00000-0  10444-2 0  8621
2 12887  97.6187 345.8112 0000814 230.8512 129.2793 15.62531243500239
Salyut 7
1 13138U 82 33  A 90291.51774922  .00094017  00000-0  55369-3 0  5617
2 13138  51.6012  34.6280 0002538 343.5473  16.4750 15.77425637484223
Cosmos 1383
1 13301U 82 66  A 90287.26272463  .00000105  00000-0  11133-3 0  6005
2 13301  82.9314 213.4898 0026471 190.4087 169.6518 13.67852565413957
LandSat 4
1 13367U 82 72  A 90288.98530866  .00000096  00000-0  26284-4 0  4885
2 13367  98.1532 349.0552 0004502 106.3703 253.7991 14.57143720438891
IRAS
1 13777U 83  4  A 90287.37355964 -.00000077  00000-0 -40732-4 0  8184
2 13777  99.0178 122.3062 0013082  60.6425 299.6043 13.98826550 63609
Cosmos 1447
1 13916U 83 21  A 90275.01970341  .00000129  00000-0  12562-3 0  7430
2 13916  82.9460 293.0880 0036803 200.9084 159.0568 13.74065124377345
TDRS 1
1 13969U 83 26  B 90285.59685437  .00000127  00000-0  99999-4 0  1135
2 13969   4.7576  64.8743 0003232 149.7547 210.2726  1.00267157   524
GOES 6
1 14050U 83 41  A 90285.53328160  .00000117  00000-0  99999-4 0  2630
2 14050   2.5208  76.8180 0000933 152.9475 207.3833  1.00279576  1326
OSCAR 10
1 14129U 83 58  B 90291.49676305  .00000016  00000-0  00000 0 0  5534
2 14129  26.0935 179.3309 5954892 185.1631 164.1748  2.05879926 27270
GPS-0008
1 14189U 83 72  A 90292.34229584  .00000005  00000-0  99999-4 0  8388
2 14189  63.4196  83.9858 0147658 220.0942 138.8081  2.00700046 53258
LandSat 5
1 14780U 84 21  A 90289.01439503  .00000433  00000-0  10633-3 0  3471
2 14780  98.1938 347.2044 0001748 153.7023 206.4269 14.57118491352319
UoSat 2
1 14781U 84 21  B 90291.59326004  .00001760  00000-0  33106-3 0  7994
2 14781  97.9379 340.0488 0011968 212.7611 147.2925 14.65775319354043
GPS-0009
1 15039U 84 59  A 90291.51173349  .00000004  00000-0  00000 0 0   600
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2 15039  63.1603  83.1685 0023465 223.0099 136.8096  2.00567502 46511
Cosmos 1574
1 15055U 84 62  A 90287.61403891  .00000099  00000-0  99770-4 0  9550
2 15055  82.9588 334.2778 0028032 354.3799   5.7044 13.73382342316463
GPS-0010
1 15271U 84 97  A 90290.95442952 -.00000023  00000-0  00000 0 0  9089
2 15271  63.1600 321.8598 0108712 328.1847  31.2283  2.00560512 43616
Cosmos 1602
1 15331U 84105  A 90289.90457075  .00002285  00000-0  30771-3 0  3684
2 15331  82.5322 248.0410 0021472 297.6907  62.2205 14.78670762326075
NOAA 9
1 15427U 84123  A 90289.94850972  .00000508  00000-0  29484-3 0  6304
2 15427  99.1741 292.6521 0015738  30.7694 329.4400 14.12698045301176
Cosmos 1686
1 16095U 85 86  A 90291.77117113  .00076980  00000-0  45427-3 0  7833
2 16095  51.6012  33.3110 0001150 225.1001 135.0749 15.77461978484265
GPS-0011
1 16129U 85 93  A 90292.17105092  .00000005  00000-0  00000 0 0  5913
2 16129  64.0226  84.4288 0121459 147.4624 213.1925  2.00519857 36846
Mir
1 16609U 86 17  A 90291.56008380  .00024212  00000-0  31633-3 0  9995
2 16609  51.6093  68.7622 0033056 153.2822 206.9593 15.57868743267372
SPOT 1
1 16613U 86 19  A 90289.61799483  .00003875  00000-0  18375-2 0  1267
2 16613  98.7243   2.4237 0000836 151.4237 208.6899 14.20037737 81162
Cosmos 1766
1 16881U 86 55  A 90289.53734801  .00003818  00000-0  52156-3 0  1744
2 16881  82.5165 307.3081 0022790 319.7326  40.2189 14.78199462227079
EGP
1 16908U 86 61  A 90287.58899514 -.00000031  00000-0  53911-4 0  2508
2 16908  50.0119 248.9287 0010846 132.3060 227.8786 12.44388968189726
NOAA 10
1 16969U 86 73  A 90291.05416509  .00000506  00000-0  23840-3 0  4778
2 16969  98.5938 316.2127 0012766 274.6248  85.3491 14.23762878212094
MOS-1
1 17527U 87 18  A 90282.19361427  .00000022  00000-0  29600-4 0  6701
2 17527  99.1000 353.2316 0000728 113.5797 246.5369 13.94870800185151
GOES 7
1 17561U 87 22  A 90291.19647737 -.00000111  00000-0  99999-4 0  6095
2 17561   0.0271 350.8991 0004313  27.4996 341.6440  1.00273137  6805
Kvant-1
1 17845U 87 30  A 90291.81656453  .00171180  00000-0  21490-2 0  2889
2 17845  51.6127  67.4778 0033699 152.5893 207.0621 15.57942689202144
DMSP B5D2-3
1 18123U 87 53  A 90290.88532227  .00000001  00000-0  99999-5 0  7321
2 18123  98.8118 119.8504 0015217  37.2641 322.9594 14.14184302171741
RS-10/11
1 18129U 87 54  A 90291.98834689  .00000297  00000-0  31424-3 0  3563
2 18129  82.9252 237.0451 0012997 131.3991 228.8296 13.72117647166423
Meteor 2-16
1 18312U 87 68  A 90290.24562512  .00000219  00000-0  18868-3 0  5016
2 18312  82.5610 193.5490 0010857 273.6156  86.3765 13.83687820159861
Meteor 2-17
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1 18820U 88  5  A 90289.54830716  .00000314  00000-0  27105-3 0  3666
2 18820  82.5407 253.9705 0016434 349.3534  10.7272 13.84377889136970
DMSP B5D2-4
1 18822U 88  6  A 90290.95680295  .00000839  00000-0  40012-3 0  6590
2 18822  98.6238 167.3375 0005745 278.5526  81.5000 14.21594040140264
Glonass 34
1 19163U 88 43  A 90290.15381811  .00000020  00000-0  99999-3 0    48
2 19163  64.9100 155.0254 0007155 185.5972 174.4891  2.13102400 18746
Glonass 36
1 19165U 88 43  C 90290.21089382  .00000020  00000-0  99999-4 0    91
2 19165  64.8921 155.0303 0003679 340.6018  19.4823  2.13102711 18743
AO-13
1 19216U 88 51  B 90284.60195681 -.00000190  00000-0  99999-4 0  1497
2 19216  56.9677 131.5119 7041204 237.6116  35.5648  2.09704503 17847
OKEAN 1
1 19274U 88 56  A 90289.78426999  .00004188  00000-0  58182-3 0  9619
2 19274  82.5178  45.7621 0023391  86.5425 273.8351 14.77499378122877
Meteor 3-2
1 19336U 88 64  A 90287.70078348  .00000069  00000-0  15987-3 0  5962
2 19336  82.5464 192.8705 0018248  17.2833 342.8933 13.16902049106680
Glonass 39
1 19503U 88 85  C 90290.23037714 -.00000016  00000-0  99999-4 0  8923
2 19503  65.3656  34.5019 0006489 183.4342 176.5641  2.13103435 16239
NOAA 11
1 19531U 88 89  A 90290.92578916  .00000952  00000-0  54287-3 0  3572
2 19531  98.9953 239.4461 0011337 301.1134  58.8924 14.11756167106283
TDRS 2
1 19548U 88 91  B 90283.43205543  .00000115  00000-0  99999-4 0  1562
2 19548   0.3886  83.6553 0002871 118.1287 158.2007  1.00277963  1414
Glonass 40
1 19749U 89  1  A 90290.27145958  .00000020  00000-0  99999-4 0  7291
2 19749  64.8658 154.7043 0005165 280.4892  79.5624  2.13111741 13764
Glonass 41
1 19750U 89  1  B 90290.32970450  .00000020  00000-0  99999-4 0  7337
2 19750  64.8756 154.7115 0005167 248.5746 111.4714  2.13102411 13760
GPS BII-01
1 19802U 89 13  A 90233.24152199  .00000016  00000-0  99999-4 0  1540
2 19802  55.0484 194.8560 0052488 166.0565 194.0528  2.00648564 11058
Akebono
1 19822U 89 16  A 90290.66503742  .00036321  00000-0  23001-2 0  7811
2 19822  75.0965 178.6122 4149783 143.4031 253.9107  7.16473699  8574
Meteor 2-18
1 19851U 89 18  A 90292.00982634 -.00000122  00000-0 -11520-3 0  3368
2 19851  82.5232 129.8243 0015625  21.9016 338.2865 13.84015015 82693
MOP-1
1 19876U 89 20  B 90277.96320314  .00000021  00000-0  99999-4 0  1447
2 19876   0.2036 306.6573 0001115 285.9248 127.4360  1.00264225  1769
TDRS 3
1 19883U 89 21  B 90285.05717295 -.00000236  00000-0  99999-4 0  1576
2 19883   0.4476  83.4923 0002993 155.4629 121.0385  1.00265607 76062
GPS BII-02
1 20061U 89 44  A 90289.49999998 -.00000033  00000-0  99999-4 0  1558
2 20061  54.8340  10.9000 0091532 177.1220 275.0440  2.00480044  9929
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Nadezhda 1
1 20103U 89 50  A 90287.70614820  .00000106  00000-0  10154-3 0  2143
2 20103  82.9609 196.8889 0039343  65.4170 295.1077 13.73617160 64125
GPS BII-03
1 20185U 89 64  A 90259.31961858  .00000016  00000-0  99999-4 0  1458
2 20185  54.9361 194.7111 0023376 150.4514 209.6604  2.00581297  7896
GPS BII-04
1 20302U 89 85  A 90283.19625304 -.00000044  00000-0 -58444 2 0  1425
2 20302  54.5568 312.3734 0033368 315.2506  44.5297  2.00366014  7178
Meteor 3-3
1 20305U 89 86  A 90292.00458286  .00000014  00000-0  24150-4 0  2260
2 20305  82.5551 130.6975 0017374  21.7999 338.3876 13.15865047 47232
COBE
1 20322U 89 89  A 90288.96006506  .00000544  00000-0  37361-3 0  1822
2 20322  99.0240 298.0595 0009105  37.1468 323.0437 14.02892908 46428
Kvant-2
1 20335U 89 93  A 90291.81660433  .00084465  00000-0  10779-2 0  4138
2 20335  51.6092  67.4775 0032321 153.3716 206.5024 15.57917283 51071
GPS BII-05
1 20361U 89 97  A 90289.77684240  .00000014  00000-0  99999-4 0   918
2 20361  54.9804 135.5161 0065321  54.7118 305.9888  2.00583473  6165
SPOT 2
1 20436U 90  5  A 90289.65340021  .00000146  00000-0  77322-4 0  3718
2 20436  98.7258   2.5231 0001024  88.9315 271.1880 14.20028023 37986
UO-14
1 20437U 90  5  B 90291.22618579  .00000546  00000-0  23292-3 0  2169
2 20437  98.6912   6.9240 0010882 151.7951 208.3868 14.28751047 38434
UO-15
1 20438U 90  5  C 90289.66251567  .00000339  00000-0  15150-3 0  1269
2 20438  98.6950   5.3276 0010427 155.1603 205.0109 14.28454124 38209
PACSAT
1 20439U 90  5  D 90291.48722031  .00000588  00000-0  24886-3 0  1174
2 20439  98.6969   7.3649 0011884 151.3764 208.8073 14.28852888 38479
DO-17
1 20440U 90  5  E 90292.10926821  .00000644  00000-0  27088-3 0  1270
2 20440  98.6964   8.0036 0012174 149.5703 210.6192 14.28907868 38561
WO-18
1 20441U 90  5  F 90290.47995758  .00000520  00000-0  22164-3 0  1198
2 20441  98.6970   6.4130 0012513 155.0349 205.1444 14.28990549 38333
LO-19
1 20442U 90  5  G 90289.48679296  .00000507  00000-0  21602-3 0  1229
2 20442  98.6952   5.4495 0013095 157.7904 202.3850 14.29060082 38194
GPS BII-06
1 20452U 90  8  A 90231.96552739  .00000002  00000-0  99999-4 0   858
2 20452  54.5203 253.3822 0028572  40.8909 319.3724  2.00872044  4126
MOS-1B
1 20478U 90 13  A 90282.22364041  .00000281  00000-0  23455-3 0  4131
2 20478  99.1812 351.9073 0001265  99.1999 260.8943 13.94845029 34038
DEBUT
1 20479U 90 13  B 90289.49308021  .00000072  00000-0  21026-3 0  1096
2 20479  99.0295 313.0419 0541729 133.7679 230.9598 12.83150490 32300
FO-20
1 20480U 90 13  C 90285.59010781  .00000004  00000-0  38891-4 0  1058
```

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2 20480  99.0334 309.8868 0541232 142.5339 221.4795 12.83161787 31806
MOS-1B R/B
1 20491U 90 13  D 90288.63211693  .00000275  00000-0  56594-3 0  1254
2 20491  99.0293 319.4019 0471584 109.0124 256.2686 13.02744810 32081
LACE
1 20496U 90 15  A 90290.73645661  .00010944  00000-0  63318-3 0  2708
2 20496  43.0970   8.7576 0015172  33.9767 326.2057 15.12205226 37146
RME
1 20497U 90 15  B 90290.43740077  .00017329  00000-0  44139-3 0  2897
2 20497  43.0834 317.7106 0016855  59.1603 301.0919 15.39140951 37652
Nadezhda 2
1 20508U 90 17  A 90289.18062824  .00000118  00000-0  11495-3 0  1862
2 20508  82.9548 330.7023 0045243  11.5134 348.7043 13.73238704 31612
OKEAN 2
1 20510U 90 18  A 90290.10040640  .00003439  00000-0  52335-3 0  2961
2 20510  82.5293 345.4231 0018554 235.7525 124.2135 14.73635809 34026
INTELSAT-6
1 20523U 90 21  A 90290.96241568  .00003822  00000-0  26365-3 0  3337
2 20523  28.3425 178.9187 0015220  60.9427 298.9034 15.03002724 32933
GPS BII-07
1 20533U 90 25  A 90235.22171003 -.00000033  00000-0  00000 0 0   621
2 20533  55.1112  13.2388 0036349 103.5071 256.9366  2.00552057  2945
PegSat
1 20546U 90 28  A 90290.40496161  .00034047  00000-0  20424-2 0  2565
2 20546  94.1194 280.0767 0142398 251.3963 107.1303 15.02631973 28421
HST
1 20580U 90 37  B 90291.78209963  .00005558  00000-0  61687-3 0  2457
2 20580  28.4727 182.8896 0005384 322.8495  37.1709 14.85282163 26366
Glonass 44
1 20619U 90 45  A 90289.23409449 -.00000016  00000-0  99999-4 0  1819
2 20619  64.9568  34.8119 0023619 211.5544 148.3253  2.13103133  3205
Glonass 45
1 20620U 90 45  B 90290.29045272 -.00000016  00000-0  99999-4 0  1886
2 20620  64.9505  34.7763 0006320  43.3855 316.6689  2.13102927  3234
Glonass 46
1 20621U 90 45  C 90290.34895473 -.00000016  00000-0  99999-4 0  1621
2 20621  64.9701  34.7840 0013962 199.6199 160.3305  2.13102894  3237
Kristall
1 20635U 90 48  A 90289.76390019  .00132473  00000-0  16825-2 0  1862
2 20635  51.6118  77.7771 0033394 145.8716 214.4201 15.57792680 21636
ROSAT
1 20638U 90 49  A 90289.34818445  .00005392  00000-0  46706-3 0   903
2 20638  52.9880 232.5767 0012785 349.0021  11.0711 14.98500650 20446
Meteor 2-19
1 20670U 90 57  A 90287.66887495  .00000224  00000-0  19260-3 0   603
2 20670  82.5483 193.8226 0016171 318.9891  41.0083 13.83863147 15043
BADR-1
1 20685U 90 59  A 90290.53504142  .00481019 -30430-4  65750-3 0  1129
2 20685  28.4861  39.6452 0357847  64.1338 299.7024 15.43003416 14184
CRRES
1 20712U 90 65  A 90280.80234705  .00001157  00000-0  13817-2 0   289
2 20712  18.2959  17.0600 7120569 255.7587  22.0251  2.43466151  1815
Soyuz TM-10
```

```
1 20722U 90 67  A 90289.69974832  .00050551  00000-0  65387-3 0   901
2 20722  51.6135  78.0962 0032954 146.5200 213.7782 15.57752949 11937
GPS BII-08
1 20724U 90 68  A 90283.93418116  .00000016  00000-0  99999-4 0   181
2 20724  54.7040 191.6432 0096264 117.1524 243.8743  2.00556763  1366
Feng Yun 1B
1 20788U 90 81  A 90287.73529889 -.00005872  00000-0 -39478-2 0   325
2 20788  98.9343 321.5092 0010919 147.8762 212.2991 14.00539998  5841
PRC 31
1 20789U 90 81  B 90287.76863340  .00108728  00000-0  63126-1 0   410
2 20789  98.9652 321.8693 0042010 188.8851 171.1626 14.07323937  5867
PRC 32
1 20790U 90 81  C 90289.58196274  .00053856  00000-0  33110-1 0   331
2 20790  98.9503 323.5359 0030192 182.1299 177.7548 14.04899950  1099
1990 072C
1 20812U 90 72  C 90288.52088943  .09283848  58806-4  14461-2 0   416
2 20812  51.5852  78.3684 0012289 353.9356   6.1695 16.32907531  9668
Molniya3-39
1 20813U 90 84  A 90290.18252840 -.00012591  00000-0 -88475-1 0   348
2 20813  62.8566 249.4583 7416213 280.5914  10.7345  2.00607186   546
1990 084D
1 20816U 90 84  D 90279.65066169 -.00000059  00000-0  11725-2 0   123
2 20816  62.8668 251.0290 7456621 280.4383  10.5226  1.96786820   332
1990 082F
1 20820U 90 82 F  90267.70311765  .09071001 -60381-5  83847-3 0   126
2 20820  82.5623 159.0967 0010508 261.1857 104.8349 16.38713998  2771
Progress M5
1 20824U 90 85  A 90289.69974832  .00046035  00000-0  59634-3 0   319
2 20824  51.6084  78.0923 0033146 146.4642 213.8340 15.57745468  2875
Meteor 2-20
1 20826U 90 86  A 90287.72016529  .00000098  00000-0  83471-4 0    73
2 20826  82.5268 133.1105 0012209 205.7020 154.3533 13.83230822  2272
1990 086B
1 20827U 90 86  B 90276.07339612  .00000044  00000-0  34423-4 0   110
2 20827  82.5281 142.3694 0011589 241.8860 118.0320 13.83452364   665
Cosmos 2101
1 20828U 90 87  A 90290.64167109  .00337502  81930-5  36553-3 0   428
2 20828  64.7703 150.1588 0057140  84.0894 276.5277 16.06077087  2614
GPS BII-09
1 20830U 90 88  A 90286.46546678  .00000014  00000-0  99999-4 0    62
2 20830  54.9512 133.6327 0097651 122.2115 239.1364  2.00638327   490
1990 088C
1 20832U 90 88  C 90288.74965627  .00201187  94135-5  17148-2 0   207
2 20832  37.6050 120.3133 6035532 212.1453  89.9744  4.09816268   570
1974 033F
1 20835U 74 33  F 90281.73871147 -.00000105  00000-0  99999-4 0    24
2 20835  11.3838  47.2578 0096075 120.9092 240.3646  0.98590107  3396
1974 060F
1 20836U 74 60  F 90288.77654583 -.00000232  00000-0  99999-4 0   110
2 20836  11.9223  39.6811 0018541 200.2354 159.7481  1.00189233  2253
1981 057F
1 20837U 81 57  F 90287.90054860  .00000070  00000-0  99999-4 0    42
2 20837   7.3654  66.7364 0091848 195.1704 164.7902  0.99370281   464
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PRC 33
1 20838U 90 89  A 90290.22932026  .01110268  52569-4  52912-3 0   323
2 20838  56.9728   6.3868 0056259 169.2831 190.8247 16.16780085  1934
1990 090C
1 20843U 90 90  C 90289.58508776  .00003596  00000-0  24514-2 0    14
2 20843  28.5185  17.3798 7042333 339.4284   3.0248  2.55293140   118
1990 091A
1 20872U 90 91  A 90289.19860568 -.00000120  00000-0  99999-4 0    49
2 20872   0.1607 270.2234 0021573  51.1994  38.4633  1.00281816    51
1990 091B
1 20873U 90 91  B 90287.98965733  .00119309  00000-0  17891-1 0    20
2 20873   6.9668 179.5594 7335042 179.9664 180.2096  2.22862822    47
1990 091C
1 20874U 90 91  C 90289.36984441  .00008647  00000-0  52269-2 0    67
2 20874   7.3596 178.9546 7330284 181.1276 175.1507  2.20051415    79
1990 091D
1 20875U 90 91  D 90287.54045680 -.00001230  00000-0 -15885-3 0    44
2 20875   7.0210 179.8017 7335372 179.5040 182.5100  2.23040825    39
1990 092A
1 20909U 90 92  A 90290.40284802  .00498357  39924-4  29803-3 0    58
2 20909  62.8487 257.3954 0115954 118.0003 243.2861 16.04524677   109
1990 092B
1 20910U 90 92  B 90290.83665330  .02202078  40148-4  10027-2 0    69
2 20910  62.8357 255.6990 0100172 119.1951 242.0130 16.10363554   162
1989 100U
1 20911U 89100  U 90290.05723866  .00514647  00000-0  15650-1 0    51
2 20911  73.5275 190.3974 0011407 206.7249 153.3173 15.31730040 44577
```

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

From 7693757471509896019
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,962e08cd6f381
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-20 13:54:49 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
van-bc!ubc-cs!uw-beaver!sumax!amc-gw!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: CBS news irresponsible
Message-ID: <416@ssc.UUCP>
Date: 20 Oct 90 20:54:49 GMT
References: <12493@chaph.usc.edu> <7500034@hpfcso.HP.COM>
Organization: SSC, Inc., Seattle, WA
Lines: 14
Posted: Sat Oct 20 21:54:49 1990

In article <7500034@hpfcso.HP.COM>, ron@hpfcso.HP.COM (Ron Miller) writes:
> May I suggest that when folks write to CBS (or whoever) that they
> kindly mention that major news stations use (evil, assault,baby-killing)
> scanners to find out when and where they should dispatch their news

> crews.
>
> When scanners are outlawed, the news divisions of major networks will
> become outlaws! (unless they buy exemptions.....)

They have. In Monitoring Times, there was some mention of a florida law regulating scanners that exempted TV stations (but not newspapers).

markz@ssc.uucp

From -340348918784402086
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-20 14:34:38 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!rutgers!usc!chaph.usc.edu!aludra.usc.edu!kjh
From: kjh@aludra.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: Antenna Restrictions
Message-ID: <12659@chaph.usc.edu>
Date: 20 Oct 90 21:34:38 GMT
References: <1990Oct20.194300.23704@wpi.WPI.EDU>
Sender: news@chaph.usc.edu
Organization: EE-Systems, USC, Los Angeles
Lines: 14
Posted: Sat Oct 20 22:34:38 1990
Nntp-Posting-Host: aludra.usc.edu

In article <1990Oct20.194300.23704@wpi.WPI.EDU> gkd@wpi.WPI.EDU (Gregory K Doerschler) writes:
>How about this one: "No tree shall be allowed to grow that if it fell
>from its trunk would extend beyond the property line of the owner."

Greg has a very good point here, although he didn't come right out and say it. Trees very rarely fall from the base of the trunk, and likewise, towers very rarely fall from the base. A more reasonable law would limit the height to 2 or 3 times the minimum distance to the property line. The next time you drive around in an area that has had a hurricane, tornado, or just a strong windstorm, notice the damaged towers. Usually they fail near the middle; they don't come anywhere near the property line.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From 1367981265814701447
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b90249aa67dda60,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-20 14:51:55 PST

Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes 10/19/90
Message-ID: <1821@n8emr.UUCP>
Date: 20 Oct 90 21:51:55 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 175
Posted: Sat Oct 20 22:51:55 1990

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|        Relayed from packet radio via                 |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
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SB RTTYDX @ RTTYDX $RTDX1019
RTTY DX Notes 1of3 10/19/90

RTTY DX Notes for week ending 19th October 1990
BID: $RTDX1019
Part 1 of 3.

Good ideas never die. OZ3TQ has revised the idea of half speed ARQ blocks for long haul communications. It worked this past week with a contact with VK2SG. The link was held for some time despite some QRM. It is worth thinking about, but it is not sure if the PK232 or like units will work in this manner, but they are under investigation. It is a matter of computer software. More information as further development takes place.

Our thanks this week go to I5FLN and cluster, JA1BLV, JH1QDB, OD5NG, TG9VT, VE3XJ, VK2EG, W2JGR, and the Tri-State DX Packet Cluster Network. Thank you all for you information.

Bandpass:

Friday 12:

5N3ALE	14073	at	0514Z	FEC
5V7DP	14082	at	0543Z	
HC5K/HC8	14074	at	1402Z	ARQ
FR4FR	21072	at	1626Z	ARQ
A41KB	14070	at	1639Z	ARQ
Z21EZ	14088	at	1641Z	
TU2BB	21076	at	1716Z	
BZ1QH	14089	at	1718Z	
5Z4BI	21084	at	1855Z	

Saturday 13:

ZK3KY	14081	at	0420Z	Note
UC2OF	21086	at	1212Z	

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RB5MT        21083  at  1645Z
EA8ATE       21085  at  1655Z
ZD9BV        28085  at  1719Z
5Z4BI        14082  at  1845Z
V51GB        21078  at  1846Z  ARQ
BV4VB        14088  at  1848Z
PJ2/PA3BTX   14074  at  2145Z  ARQ


Continued in part 2.
/EX
SB RTTYDX @ RTTYDX $RTDX1020
RTTY DX Notes 2of3 10/19/90

RTTY DX Notes for week ending 19th October 1990
BID: $RTDX1020
Part 2 of 3.


Sunday 14:
ZK3KY        14085  at  0419Z
5W1KT        14085  at  0437Z
ZL0AIC       14090  at  0448Z  QSL
UC2OF        14092  at  0638Z
UI9ABV       28088  at  1634Z
UO5OC        14089  at  0926Z
ZD8BOB       28089  at  1044Z
5N3ETP       21082  at  1149Z  QSL
8Q7DA        14069  at  1600Z  ARQ/QSL
ZS1DJ        28083  at  1634Z
J73WA        28086  at  1727Z
TL8GM        14082  at  1748Z
FM5FA        21074  at  2020Z  FEC
TY1PS        21074  at  2233Z  ARQ
UW0LZ        28086  at  2305Z  QSL

Monday 15:
UC2OF        21089  at  0837Z
UZ3XWA       21094  at  0842Z
ZK3KY        21080  at  0910Z
5W1KT        14080  at  0920Z
BY1QH        14089  at  1633Z
EI5US        21078  at  1736Z  ARQ
J28TY        14091  at  1912Z
J73WA        21082  at  2102Z

Tuesday 16:
OX3DE        14074  at  0127Z
ZK3KY        14081  at  0430Z
FW1FM        14084  at  0602Z
5W1KT        14081  at  0934Z  ARQ
9V1JY        14089  at  1410Z
RS6GBQ       14087  at  1452Z
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KE0YG/TF    28087  at  1759Z
J28TY       21089  at  2014Z
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Wednesday 17:
PJ8JP       14089  at  0036Z  QSL
UZ9CZM      14090  at  0533Z
FK8CC       21090  at  0905Z
5W1KT       14085  at  1008Z  ARQ
5B4NC       21082  at  1707Z
6W1HF       21084  at  2026Z
TY1PS       14089  at  2334Z  ARQ
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Thursday 18:
UJ8JAQ      21085  at  0920Z
ZK3KY       21081  at  0925Z
```

Continued in part 3.

/EX
SB RTTYDX @ RTTYDX $RTDX1021
RTTY DX Notes 3of3 10/19/90

RTTY DX Notes for week ending 19th October 1990
BID: $RTDX1021
Part 3 of 3.

QSL Information:

UW0LZ requests his cards via Box 75, Vladivostok 690090 USSR.

8Q7DA will QSL via DL3RBF.

UI9ABV collects from Box 40/1, Tashkent, Uzbek, 700040 USSR.

5N3ETP QSL manager is N6QLQ.

ZL0AIC says to QSL via HB9AAA.

FW1FM looks at Box 20, Futuna Island for his cards.

PJ8JP allows AB1U to handle his cards.

Notes Of Interest:

Unfortunately, 8Q7DA has been and gone. He was there for only one week, October 10th to 17th.

Barbados. K4FJ and K3ZR will operate from October 20th through November 1st, signing 8P9KR and 8P9HQ respectively. QSL 8P9KR to K4BAI and 8P9HQ to K3ZR.

St Pauls Island. FP5DX and VE1KM will operate CY9SPI and CY9DX from October 20th with RTTY on 14 and 21 MHz. QSL to FP5DX.

JH1QDB, Kuni, reports that he had 929 QSOs as JD1 on his recent trip. The cards are being printed and should appear in November.

Malpelo Island. HK0TU is on schedule for November 3rd. RTTY frequencies are 1825, 3635, 7035, 14085, 21085, and 28085 KHz. QSL to HK3DDD.

Juan Fernandez. CE0ZZZ is also on schedule for mid November, according to F2JD.

ZK3KY will go QRT around October 25th. Then the chore of QSL cards will start.

GL DE DX1

Written by VK2SG. Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA.
Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.
/EX
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From -9171539492259113104
X-Google-Language: CROATIAN,ASCII-7-bit
X-Google-Thread: 10c9e3,a5b3e6ee9cb98742
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-20 17:39:45 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!mips!max!crisp
From: crisp@mips.COM (Richard Crisp)
Newsgroups: rec.ham-radio
Subject: Re: ??What happened to NASA Sat data??
Message-ID: <42274@mips.mips.COM>
Date: 21 Oct 90 00:39:45 GMT
References: <9010191619.aa22380@crdec7.apgea.army.mil>
Sender: news@mips.COM
Reply-To: crisp@mips.COM (Richard Crisp)
Organization: MIPS Computer Systems, Inc.
Lines: 387
Posted: Sun Oct 21 01:39:45 1990

I picked these up off Kelso's BBS, Celestial BBS this morning. The phone number for the BBS is (513) 427 0674. They support up to 2400 baud :-(

```
Alouette 1
1 00424U 62B-A  1 90290.09755940  .00000208  00000-0  23999-3 0  3448
2 00424  80.4647 165.8830 0023269 321.8619  38.0885 13.67401112399351
ATS 3
1 03029U 67111  A 90289.28035725 -.00000074  00000-0  99999-4 0  4301
2 03029  13.3532  20.1786 0021153 222.5402 137.2858  1.00272758 84004
Cosmos 398
1 04966U 71 16  A 90290.46295971  .00101750  18279-4  51032-3 0  1455
2 04966  51.5187 287.8265 2199856  21.0014 346.8484 11.22121220605327
Starlette
1 07646U 75010  A 90279.85306876 -.00000026  00000-0  27383-4 0   993
2 07646  49.8249  77.8648 0206346 199.9145 159.3604 13.82143047791222
LAGEOS
1 08820U 76039  A 90281.95050342  .00000004  00000-0  00000 0 0  1109
2 08820 109.8632  34.0822 0044642 214.0926 145.6609  6.38664386 81204
GPS-0001
1 10684U 78020  A 90288.60057786  .00000006  00000-0  99999-4 0  5140
2 10684  63.7986  85.8343 0121398 197.5868 161.9736  2.00555544 78265
GPS-0002
1 10893U 78 47  A 90288.58581840 -.00000024  00000-0  00000 0 0  2420
2 10893  64.3372 326.6967 0165975  24.3867 336.4610  2.00539827 91087
GOES 3
1 10953U 78062  A 90287.60198379  .00000112  00000-0  99999-4 0  9612
2 10953   7.2259  64.9653 0008703  94.2899 265.8830  1.00289464  5895
SeaSat 1
1 10967U 78064  A 90290.24654850  .00001139  00000-0  43468-3 0  3897
2 10967 108.0112 212.1057 0002105 227.4563 132.6433 14.35920835643974
GPS-0003
1 11054U 78093  A 90287.36121414 -.00000023  00000-0  00000 0 0  2668
2 11054  63.8502 322.9526 0060677 120.5420 240.1218  2.00569081 88078
Nimbus 7
1 11080U 78098  A 90289.23448426  .00000100  00000-0  11952-3 0  6970
2 11080  99.1827 191.3375 0009566 116.7471 243.4664 13.83465199604772
GPS-0004
1 11141U 78112  A 90290.46058100  .00000006  00000-0  00000 0 0  4384
2 11141  63.7573  85.6523 0058077 315.2559  44.2761  2.00552537 86835
GPS-0005
1 11690U 80 11  A 90286.61265587  .00000007  00000-0  00000 0 0   168
2 11690  64.2263  87.9424 0118694 201.9966 157.5098  2.00554382 92610
GPS-0006
1 11783U 80 32  A 90291.40550126 -.00000023  00000-0  99999-4 0  2164
2 11783  63.6381 322.3661 0153737  60.7115 300.9017  2.00562696 76793
GOES 5
1 12472U 81049  A 90285.45166470 -.00000023  00000-0  99999-4 0  9833
2 12472   3.7567  74.3458 0000784  32.1439 328.0562  1.00203872 33407
SME
1 12887U 81100  A 90290.15239903  .00093764  00000-0  10444-2 0  8621
2 12887  97.6187 345.8112 0000814 230.8512 129.2793 15.62531243500239
Salyut 7
1 13138U 82 33  A 90291.51774922  .00094017  00000-0  55369-3 0  5617
2 13138  51.6012  34.6280 0002538 343.5473  16.4750 15.77425637484223
Cosmos 1383
1 13301U 82 66  A 90287.26272463  .00000105  00000-0  11133-3 0  6005
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2 13301  82.9314 213.4898 0026471 190.4087 169.6518 13.67852565413957
LandSat 4
1 13367U 82 72  A 90288.98530866  .00000096  00000-0  26284-4 0  4885
2 13367  98.1532 349.0552 0004502 106.3703 253.7991 14.57143720438891
IRAS
1 13777U 83  4  A 90287.37355964 -.00000077  00000-0 -40732-4 0  8184
2 13777  99.0178 122.3062 0013082  60.6425 299.6043 13.98826550 63609
Cosmos 1447
1 13916U 83 21  A 90275.01970341  .00000129  00000-0  12562-3 0  7430
2 13916  82.9460 293.0880 0036803 200.9084 159.0568 13.74065124377345
TDRS 1
1 13969U 83 26  B 90285.59685437  .00000127  00000-0  99999-4 0  1135
2 13969   4.7576  64.8743 0003232 149.7547 210.2726  1.00267157   524
GOES 6
1 14050U 83 41  A 90285.53328160  .00000117  00000-0  99999-4 0  2630
2 14050   2.5208  76.8180 0000933 152.9475 207.3833  1.00279576  1326
OSCAR 10
1 14129U 83 58  B 90291.49676305  .00000016  00000-0  00000 0 0  5534
2 14129  26.0935 179.3309 5954892 185.1631 164.1748  2.05879926 27270
GPS-0008
1 14189U 83 72  A 90292.34229584  .00000005  00000-0  99999-4 0  8388
2 14189  63.4196  83.9858 0147658 220.0942 138.8081  2.00700046 53258
LandSat 5
1 14780U 84 21  A 90289.01439503  .00000433  00000-0  10633-3 0  3471
2 14780  98.1938 347.2044 0001748 153.7023 206.4269 14.57118491352319
UoSat 2
1 14781U 84 21  B 90291.59326004  .00001760  00000-0  33106-3 0  7994
2 14781  97.9379 340.0488 0011968 212.7611 147.2925 14.65775319354043
GPS-0009
1 15039U 84 59  A 90291.51173349  .00000004  00000-0  00000 0 0   600
2 15039  63.1603  83.1685 0023465 223.0099 136.8096  2.00567502 46511
Cosmos 1574
1 15055U 84 62  A 90287.61403891  .00000099  00000-0  99770-4 0  9550
2 15055  82.9588 334.2778 0028032 354.3799   5.7044 13.73382342316463
GPS-0010
1 15271U 84 97  A 90290.95442952 -.00000023  00000-0  00000 0 0  9089
2 15271  63.1600 321.8598 0108712 328.1847  31.2283  2.00560512 43616
Cosmos 1602
1 15331U 84105  A 90289.90457075  .00002285  00000-0  30771-3 0  3684
2 15331  82.5322 248.0410 0021472 297.6907  62.2205 14.78670762326075
NOAA 9
1 15427U 84123  A 90289.94850972  .00000508  00000-0  29484-3 0  6304
2 15427  99.1741 292.6521 0015738  30.7694 329.4400 14.12698045301176
Cosmos 1686
1 16095U 85 86  A 90291.77117113  .00076980  00000-0  45427-3 0  7833
2 16095  51.6012  33.3110 0001150 225.1001 135.0749 15.77461978484265
GPS-0011
1 16129U 85 93  A 90292.17105092  .00000005  00000-0  00000 0 0  5913
2 16129  64.0226  84.4288 0121459 147.4624 213.1925  2.00519857 36846
Mir
1 16609U 86 17  A 90291.56008380  .00024212  00000-0  31633-3 0  9995
2 16609  51.6093  68.7622 0033056 153.2822 206.9593 15.57868743267372
SPOT 1
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1 16613U 86 19  A 90289.61799483  .00003875  00000-0  18375-2 0  1267
2 16613  98.7243   2.4237 0000836 151.4237 208.6899 14.20037737 81162
Cosmos 1766
1 16881U 86 55  A 90289.53734801  .00003818  00000-0  52156-3 0  1744
2 16881  82.5165 307.3081 0022790 319.7326  40.2189 14.78199462227079
EGP
1 16908U 86 61  A 90287.58899514 -.00000031  00000-0  53911-4 0  2508
2 16908  50.0119 248.9287 0010846 132.3060 227.8786 12.44388968189726
NOAA 10
1 16969U 86 73  A 90291.05416509  .00000506  00000-0  23840-3 0  4778
2 16969  98.5938 316.2127 0012766 274.6248  85.3491 14.23762878212094
MOS-1
1 17527U 87 18  A 90282.19361427  .00000022  00000-0  29600-4 0  6701
2 17527  99.1000 353.2316 0000728 113.5797 246.5369 13.94870800185151
GOES 7
1 17561U 87 22  A 90291.19647737 -.00000111  00000-0  99999-4 0  6095
2 17561   0.0271 350.8991 0004313  27.4996 341.6440  1.00273137  6805
Kvant-1
1 17845U 87 30  A 90291.81656453  .00171180  00000-0  21490-2 0  2889
2 17845  51.6127  67.4778 0033699 152.5893 207.0621 15.57942689202144
DMSP B5D2-3
1 18123U 87 53  A 90290.88532227  .00000001  00000-0  99999-5 0  7321
2 18123  98.8118 119.8504 0015217  37.2641 322.9594 14.14184302171741
RS-10/11
1 18129U 87 54  A 90291.98834689  .00000297  00000-0  31424-3 0  3563
2 18129  82.9252 237.0451 0012997 131.3991 228.8296 13.72117647166423
Meteor 2-16
1 18312U 87 68  A 90290.24562512  .00000219  00000-0  18868-3 0  5016
2 18312  82.5610 193.5490 0010857 273.6156  86.3765 13.83687820159861
Meteor 2-17
1 18820U 88  5  A 90289.54830716  .00000314  00000-0  27105-3 0  3666
2 18820  82.5407 253.9705 0016434 349.3534  10.7272 13.84377889136970
DMSP B5D2-4
1 18822U 88  6  A 90290.95680295  .00000839  00000-0  40012-3 0  6590
2 18822  98.6238 167.3375 0005745 278.5526  81.5000 14.21594040140264
Glonass 34
1 19163U 88 43  A 90290.15381811  .00000020  00000-0  99999-3 0    48
2 19163  64.9100 155.0254 0007155 185.5972 174.4891  2.13102400 18746
Glonass 36
1 19165U 88 43  C 90290.21089382  .00000020  00000-0  99999-4 0    91
2 19165  64.8921 155.0303 0003679 340.6018  19.4823  2.13102711 18743
AO-13
1 19216U 88 51  B 90284.60195681 -.00000190  00000-0  99999-4 0  1497
2 19216  56.9677 131.5119 7041204 237.6116  35.5648  2.09704503 17847
OKEAN 1
1 19274U 88 56  A 90289.78426999  .00004188  00000-0  58182-3 0  9619
2 19274  82.5178  45.7621 0023391  86.5425 273.8351 14.77499378122877
Meteor 3-2
1 19336U 88 64  A 90287.70078348  .00000069  00000-0  15987-3 0  5962
2 19336  82.5464 192.8705 0018248  17.2833 342.8933 13.16902049106680
Glonass 39
1 19503U 88 85  C 90290.23037714 -.00000016  00000-0  99999-4 0  8923
2 19503  65.3656  34.5019 0006489 183.4342 176.5641  2.13103435 16239
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NOAA 11
1 19531U 88 89  A 90290.92578916  .00000952  00000-0  54287-3 0  3572
2 19531  98.9953 239.4461 0011337 301.1134  58.8924 14.11756167106283
TDRS 2
1 19548U 88 91  B 90283.43205543  .00000115  00000-0  99999-4 0  1562
2 19548   0.3886  83.6553 0002871 118.1287 158.2007  1.00277963  1414
Glonass 40
1 19749U 89  1  A 90290.27145958  .00000020  00000-0  99999-4 0  7291
2 19749  64.8658 154.7043 0005165 280.4892  79.5624  2.13111741 13764
Glonass 41
1 19750U 89  1  B 90290.32970450  .00000020  00000-0  99999-4 0  7337
2 19750  64.8756 154.7115 0005167 248.5746 111.4714  2.13102411 13760
GPS BII-01
1 19802U 89 13  A 90233.24152199  .00000016  00000-0  99999-4 0  1540
2 19802  55.0484 194.8560 0052488 166.0565 194.0528  2.00648564 11058
Akebono
1 19822U 89 16  A 90290.66503742  .00036321  00000-0  23001-2 0  7811
2 19822  75.0965 178.6122 4149783 143.4031 253.9107  7.16473699  8574
Meteor 2-18
1 19851U 89 18  A 90292.00982634 -.00000122  00000-0 -11520-3 0  3368
2 19851  82.5232 129.8243 0015625  21.9016 338.2865 13.84015015 82693
MOP-1
1 19876U 89 20  B 90277.96320314  .00000021  00000-0  99999-4 0  1447
2 19876   0.2036 306.6573 0001115 285.9248 127.4360  1.00264225  1769
TDRS 3
1 19883U 89 21  B 90285.05717295 -.00000236  00000-0  99999-4 0  1576
2 19883   0.4476  83.4923 0002993 155.4629 121.0385  1.00265607 76062
GPS BII-02
1 20061U 89 44  A 90289.49999998 -.00000033  00000-0  99999-4 0  1558
2 20061  54.8340  10.9000 0091532 177.1220 275.0440  2.00480044  9929
Nadezhda 1
1 20103U 89 50  A 90287.70614820  .00000106  00000-0  10154-3 0  2143
2 20103  82.9609 196.8889 0039343  65.4170 295.1077 13.73617160 64125
GPS BII-03
1 20185U 89 64  A 90259.31961858  .00000016  00000-0  99999-4 0  1458
2 20185  54.9361 194.7111 0023376 150.4514 209.6604  2.00581297  7896
GPS BII-04
1 20302U 89 85  A 90283.19625304 -.00000044  00000-0 -58444 2 0  1425
2 20302  54.5568 312.3734 0033368 315.2506  44.5297  2.00366014  7178
Meteor 3-3
1 20305U 89 86  A 90292.00458286  .00000014  00000-0  24150-4 0  2260
2 20305  82.5551 130.6975 0017374  21.7999 338.3876 13.15865047 47232
COBE
1 20322U 89 89  A 90288.96006506  .00000544  00000-0  37361-3 0  1822
2 20322  99.0240 298.0595 0009105  37.1468 323.0437 14.02892908 46428
Kvant-2
1 20335U 89 93  A 90291.81660433  .00084465  00000-0  10779-2 0  4138
2 20335  51.6092  67.4775 0032321 153.3716 206.5024 15.57917283 51071
GPS BII-05
1 20361U 89 97  A 90289.77684240  .00000014  00000-0  99999-4 0   918
2 20361  54.9804 135.5161 0065321  54.7118 305.9888  2.00583473  6165
SPOT 2
1 20436U 90  5  A 90289.65340021  .00000146  00000-0  77322-4 0  3718
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2 20436  98.7258   2.5231 0001024  88.9315 271.1880 14.20028023 37986
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1 20437U 90  5  B 90291.22618579  .00000546  00000-0  23292-3 0  2169
2 20437  98.6912   6.9240 0010882 151.7951 208.3868 14.28751047 38434
UO-15
1 20438U 90  5  C 90289.66251567  .00000339  00000-0  15150-3 0  1269
2 20438  98.6950   5.3276 0010427 155.1603 205.0109 14.28454124 38209
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1 20439U 90  5  D 90291.48722031  .00000588  00000-0  24886-3 0  1174
2 20439  98.6969   7.3649 0011884 151.3764 208.8073 14.28852888 38479
DO-17
1 20440U 90  5  E 90292.10926821  .00000644  00000-0  27088-3 0  1270
2 20440  98.6964   8.0036 0012174 149.5703 210.6192 14.28907868 38561
WO-18
1 20441U 90  5  F 90290.47995758  .00000520  00000-0  22164-3 0  1198
2 20441  98.6970   6.4130 0012513 155.0349 205.1444 14.28990549 38333
LO-19
1 20442U 90  5  G 90289.48679296  .00000507  00000-0  21602-3 0  1229
2 20442  98.6952   5.4495 0013095 157.7904 202.3850 14.29060082 38194
GPS BII-06
1 20452U 90  8  A 90231.96552739  .00000002  00000-0  99999-4 0   858
2 20452  54.5203 253.3822 0028572  40.8909 319.3724  2.00872044  4126
MOS-1B
1 20478U 90 13  A 90282.22364041  .00000281  00000-0  23455-3 0  4131
2 20478  99.1812 351.9073 0001265  99.1999 260.8943 13.94845029 34038
DEBUT
1 20479U 90 13  B 90289.49308021  .00000072  00000-0  21026-3 0  1096
2 20479  99.0295 313.0419 0541729 133.7679 230.9598 12.83150490 32300
FO-20
1 20480U 90 13  C 90285.59010781  .00000004  00000-0  38891-4 0  1058
2 20480  99.0334 309.8868 0541232 142.5339 221.4795 12.83161787 31806
MOS-1B R/B
1 20491U 90 13  D 90288.63211693  .00000275  00000-0  56594-3 0  1254
2 20491  99.0293 319.4019 0471584 109.0124 256.2686 13.02744810 32081
LACE
1 20496U 90 15  A 90290.73645661  .00010944  00000-0  63318-3 0  2708
2 20496  43.0970   8.7576 0015172  33.9767 326.2057 15.12205226 37146
RME
1 20497U 90 15  B 90290.43740077  .00017329  00000-0  44139-3 0  2897
2 20497  43.0834 317.7106 0016855  59.1603 301.0919 15.39140951 37652
Nadezhda 2
1 20508U 90 17  A 90289.18062824  .00000118  00000-0  11495-3 0  1862
2 20508  82.9548 330.7023 0045243  11.5134 348.7043 13.73238704 31612
OKEAN 2
1 20510U 90 18  A 90290.10040640  .00003439  00000-0  52335-3 0  2961
2 20510  82.5293 345.4231 0018554 235.7525 124.2135 14.73635809 34026
INTELSAT-6
1 20523U 90 21  A 90290.96241568  .00003822  00000-0  26365-3 0  3337
2 20523  28.3425 178.9187 0015220  60.9427 298.9034 15.03002724 32933
GPS BII-07
1 20533U 90 25  A 90235.22171003 -.00000033  00000-0  00000 0 0   621
2 20533  55.1112  13.2388 0036349 103.5071 256.9366  2.00552057  2945
PegSat
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1 20546U 90 28  A 90290.40496161  .00034047  00000-0  20424-2 0  2565
2 20546  94.1194 280.0767 0142398 251.3963 107.1303 15.02631973 28421
HST
1 20580U 90 37  B 90291.78209963  .00005558  00000-0  61687-3 0  2457
2 20580  28.4727 182.8896 0005384 322.8495  37.1709 14.85282163 26366
Glonass 44
1 20619U 90 45  A 90289.23409449 -.00000016  00000-0  99999-4 0  1819
2 20619  64.9568  34.8119 0023619 211.5544 148.3253  2.13103133  3205
Glonass 45
1 20620U 90 45  B 90290.29045272 -.00000016  00000-0  99999-4 0  1886
2 20620  64.9505  34.7763 0006320  43.3855 316.6689  2.13102927  3234
Glonass 46
1 20621U 90 45  C 90290.34895473 -.00000016  00000-0  99999-4 0  1621
2 20621  64.9701  34.7840 0013962 199.6199 160.3305  2.13102894  3237
Kristall
1 20635U 90 48  A 90289.76390019  .00132473  00000-0  16825-2 0  1862
2 20635  51.6118  77.7771 0033394 145.8716 214.4201 15.57792680 21636
ROSAT
1 20638U 90 49  A 90289.34818445  .00005392  00000-0  46706-3 0   903
2 20638  52.9880 232.5767 0012785 349.0021  11.0711 14.98500650 20446
Meteor 2-19
1 20670U 90 57  A 90287.66887495  .00000224  00000-0  19260-3 0   603
2 20670  82.5483 193.8226 0016171 318.9891  41.0083 13.83863147 15043
BADR-1
1 20685U 90 59  A 90290.53504142  .00481019 -30430-4  65750-3 0  1129
2 20685  28.4861  39.6452 0357847  64.1338 299.7024 15.43003416 14184
CRRES
1 20712U 90 65  A 90280.80234705  .00001157  00000-0  13817-2 0   289
2 20712  18.2959  17.0600 7120569 255.7587  22.0251  2.43466151  1815
Soyuz TM-10
1 20722U 90 67  A 90289.69974832  .00050551  00000-0  65387-3 0   901
2 20722  51.6135  78.0962 0032954 146.5200 213.7782 15.57752949 11937
GPS BII-08
1 20724U 90 68  A 90283.93418116  .00000016  00000-0  99999-4 0   181
2 20724  54.7040 191.6432 0096264 117.1524 243.8743  2.00556763  1366
Feng Yun 1B
1 20788U 90 81  A 90287.73529889 -.00005872  00000-0 -39478-2 0   325
2 20788  98.9343 321.5092 0010919 147.8762 212.2991 14.00539998  5841
PRC 31
1 20789U 90 81  B 90287.76863340  .00108728  00000-0  63126-1 0   410
2 20789  98.9652 321.8693 0042010 188.8851 171.1626 14.07323937  5867
PRC 32
1 20790U 90 81  C 90289.58196274  .00053856  00000-0  33110-1 0   331
2 20790  98.9503 323.5359 0030192 182.1299 177.7548 14.04899950  1099
1990 072C
1 20812U 90 72  C 90288.52088943  .09283848  58806-4  14461-2 0   416
2 20812  51.5852  78.3684 0012289 353.9356   6.1695 16.32907531  9668
Molniya3-39
1 20813U 90 84  A 90290.18252840 -.00012591  00000-0 -88475-1 0   348
2 20813  62.8566 249.4583 7416213 280.5914  10.7345  2.00607186   546
1990 084D
1 20816U 90 84  D 90279.65066169 -.00000059  00000-0  11725-2 0   123
2 20816  62.8668 251.0290 7456621 280.4383  10.5226  1.96786820   332
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1990 082F
1 20820U 90 82 F  90267.70311765  .09071001 -60381-5  83847-3 0   126
2 20820  82.5623 159.0967 0010508 261.1857 104.8349 16.38713998  2771
Progress M5
1 20824U 90 85  A 90289.69974832  .00046035  00000-0  59634-3 0   319
2 20824  51.6084  78.0923 0033146 146.4642 213.8340 15.57745468  2875
Meteor 2-20
1 20826U 90 86  A 90287.72016529  .00000098  00000-0  83471-4 0    73
2 20826  82.5268 133.1105 0012209 205.7020 154.3533 13.83230822  2272
1990 086B
1 20827U 90 86  B 90276.07339612  .00000044  00000-0  34423-4 0   110
2 20827  82.5281 142.3694 0011589 241.8860 118.0320 13.83452364   665
Cosmos 2101
1 20828U 90 87  A 90290.64167109  .00337502  81930-5  36553-3 0   428
2 20828  64.7703 150.1588 0057140  84.0894 276.5277 16.06077087  2614
GPS BII-09
1 20830U 90 88  A 90286.46546678  .00000014  00000-0  99999-4 0    62
2 20830  54.9512 133.6327 0097651 122.2115 239.1364  2.00638327   490
1990 088C
1 20832U 90 88  C 90288.74965627  .00201187  94135-5  17148-2 0   207
2 20832  37.6050 120.3133 6035532 212.1453  89.9744  4.09816268   570
1974 033F
1 20835U 74 33  F 90281.73871147 -.00000105  00000-0  99999-4 0    24
2 20835  11.3838  47.2578 0096075 120.9092 240.3646  0.98590107  3396
1974 060F
1 20836U 74 60  F 90288.77654583 -.00000232  00000-0  99999-4 0   110
2 20836  11.9223  39.6811 0018541 200.2354 159.7481  1.00189233  2253
1981 057F
1 20837U 81 57  F 90287.90054860  .00000070  00000-0  99999-4 0    42
2 20837   7.3654  66.7364 0091848 195.1704 164.7902  0.99370281   464
PRC 33
1 20838U 90 89  A 90290.22932026  .01110268  52569-4  52912-3 0   323
2 20838  56.9728   6.3868 0056259 169.2831 190.8247 16.16780085  1934
1990 090C
1 20843U 90 90  C 90289.58508776  .00003596  00000-0  24514-2 0    14
2 20843  28.5185  17.3798 7042333 339.4284   3.0248  2.55293140   118
1990 091A
1 20872U 90 91  A 90289.19860568 -.00000120  00000-0  99999-4 0    49
2 20872   0.1607 270.2234 0021573  51.1994  38.4633  1.00281816    51
1990 091B
1 20873U 90 91  B 90287.98965733  .00119309  00000-0  17891-1 0    20
2 20873   6.9668 179.5594 7335042 179.9664 180.2096  2.22862822    47
1990 091C
1 20874U 90 91  C 90289.36984441  .00008647  00000-0  52269-2 0    67
2 20874   7.3596 178.9546 7330284 181.1276 175.1507  2.20051415    79
1990 091D
1 20875U 90 91  D 90287.54045680 -.00001230  00000-0 -15885-3 0    44
2 20875   7.0210 179.8017 7335372 179.5040 182.5100  2.23040825    39
1990 092A
1 20909U 90 92  A 90290.40284802  .00498357  39924-4  29803-3 0    58
2 20909  62.8487 257.3954 0115954 118.0003 243.2861 16.04524677   109
1990 092B
1 20910U 90 92  B 90290.83665330  .02202078  40148-4  10027-2 0    69
```

```
2 20910  62.8357 255.6990 0100172 119.1951 242.0130 16.10363554   162
1989 100U
1 20911U 89100  U 90290.05723866  .00514647  00000-0  15650-1 0    51
2 20911  73.5275 190.3974 0011407 206.7249 153.3173 15.31730040 44577
```

--

```
             Richard Crisp              crisp@mips.com
         MIPS Computer Systems        !decwrl!mips!crisp
          928 Arques MS 2-02            (408) 524-8177
          Sunnyvale, Ca 94086
```

From 3157853042507021082
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-20 17:44:12 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!kd4nc!km4ba!alan
From: alan@km4ba.UUCP (Alan Barrow)
Newsgroups: rec.ham-radio
Subject: Re: Antenna Restrictions
Message-ID: <173@km4ba.UUCP>
Date: 21 Oct 90 00:44:12 GMT
References: <204646@<1990Oct17> <30500811@ux1.cso.uiuc.edu>
Organization: km4ba's packet radio gateway, Atlanta GA.
Lines: 16
Posted: Sun Oct 21 01:44:12 1990

Regarding the tower height being limited to what would not cross over a property boundry:

What is the difference between towers and trees? (Other than that trees fall much more often.)

Homeowners seem to deal with that issue without problems. Give me a 500' tower anyday over a 100' pine tree. I have never seen a tower crush a building. I have seen lots of trees.

regards,

Alan Barrow km4ba

..!gatech!kd4nc!km4ba!alan

From 3035115788793271469
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-20 17:53:33 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!zaphod.mps.ohio-state.edu!wuarchive!emory!kd4nc!km4ba!alan

From: alan@km4ba.UUCP (Alan Barrow)
Newsgroups: rec.ham-radio
Subject: Re: Antenna Restrictions
Message-ID: <174@km4ba.UUCP>
Date: 21 Oct 90 00:53:33 GMT
References: <204646@<1990Oct17> <30500811@ux1.cso.uiuc.edu>
Organization: km4ba's packet radio gateway, Atlanta GA.
Lines: 40
Posted: Sun Oct 21 01:53:33 1990

Here is a question that several hams were discussing over lunch:

One ham, (a contractor) indicated that you can read all your closing documents, and still not be aware of possible covanents. He said that most covanents were recorded on the plat for the subdivision, and do not always show up on the deed.

He further indicated that you do not actually see a real "deed". What you see is a warantee deed to secure debt, or something like that.

This concerned me, because if it is true, you can be legally bound by language that you have not had a chance to inspect.

My contractor friend feels the only way to be sure is to go to the tax office where the plats are kept, and visibly inspect the plat.

BTW, the house I bought is 25 yrs old, and I felt I had no covanents affecting me. I do know the original subdivision had some.

My friend thinks I may be bound by these. I felt I wouldn't, since I did not sign anything that discussed them.

Anyone have any info on this? I suspect it may vary from state to state.

I know there are several home that violate the orig covanents in various ways, so I don't think anyone is enforcing them anyway.

But I would be interested in any one with information on how they restrictions are handled.

73,

Alan Barrow km4ba

..!gatech!kd4nc!km4ba!alan
jab@hpuerca.hp.com

From -8334574990666091227

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d7080309ef7b4c1e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-20 18:12:57 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: splits
Message-ID: <21174@ucsd.Edu>
Date: 21 Oct 90 01:12:57 GMT
References: <9010201210.0.UUL1.3#1@vortex.COM>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 12
Posted: Sun Oct 21 02:12:57 1990

lauren@vortex.COM (Lauren Weinstein) writes:
>The repeater congestion problem is so severe around here that there
>is serious talk of going to a 15khz channel allocation for the ham
>bands.

I know you've been off the air for a while, Lauren, but Southern
California went to 15khz channels in the upper two megs of 2 meters
around 1975.

They're already assigning 12.5 khz channels on 450, and 25 khz channels
on 1296.
     - Brian

From 9098259416706856642
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,66488f931c4b9610
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-20 18:53:17 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: mobile CW
Message-ID: <1470@ke4zv.UUCP>
Date: 21 Oct 90 01:53:17 GMT
References: <38460@ut-emx.uucp>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 23
Posted: Sun Oct 21 02:53:17 1990

In article <38460@ut-emx.uucp> oo7@ut-emx.uucp (Webster Smogpule III) writes:
>
>And yes, I know that not everyone likes working DX, but if you do then it
>is silly to do it on phone all the time unless you like beating yourself
>over the head for relaxation. I'm getting pretty tired of all the bleating
>about CW on this net, and the put-downs that result when anyone makes a

>reasoned argument for using it. I don't feel any need to apologize for
>liking it, any more than I do for preferring Bach and the harpsichord to
>rock music. In fact, I don't know why I'm even mentioning the advantages,
>the more people who find out about them the more crowded the CW sub-bands
>will get and the more the lids will cruise by to spoil things for us.

He's right you know. CW is better than voice for working DX. The information content of a DX contact is so small that the low information rate of CW is not a problem and CW is usable at a lower S/N ratio than voice with simple equipment. My opinion is that CW is not, in general, the best way to convey information per unit time, but it is certainly useful in some situations. This doesn't mean that I think EVERYBODY needs to demonstrate the ability to work CW to get a ham license. I definitely support those who WANT to use CW to do so. I would certainly enjoy HF more if all DXers switched to CW operation. :-)

Gary KE4ZV

From 4431184549091337244
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5b8660cd02ef1cab
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-20 19:06:22 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Dipoles
Message-ID: <1471@ke4zv.UUCP>
Date: 21 Oct 90 02:06:22 GMT
References: <4263@altos86.Altos.COM> <4140022@hpnjld.HP.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 16
Posted: Sun Oct 21 03:06:22 1990

In article <4140022@hpnjld.HP.COM> eyg@hpnjld.HP.COM (Ed Gilbert) writes:
>> Anyone know the effect wire insulation has on the length of a resonant
>> dipole? I've always used the formula 468/freq to calculate the length
>> of bare-wire dipoles. What does the numerator change to if the wire
>> is insulated?
>
>I would be very surprised if the insulation has any effect at all. Treat
>it the same as bare wire for resonant length purposes.
>
>   WA2SRQ

It's been my experience that insulation shortens the antenna some. It probably depends on the dielectric constant of the insulation. I don't have any pat formula.

Gary KE4ZV

From 3395592247916996934
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ba69aea2b59708d0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-20 20:27:18 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!van-bc!ubc-cs!uw-beaver!sumax!amc-gw!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: 1970 Student Information Net
Summary: 1970 protests
Message-ID: <420@ssc.UUCP>
Date: 21 Oct 90 03:27:18 GMT
References: <2475.271a2323@zeus.unomaha.edu>
Organization: very little
Lines: 57
Posted: Sun Oct 21 04:27:18 1990

In article <2475.271a2323@zeus.unomaha.edu>, fs024@zeus.unomaha.edu (pschleck%orion@alf.unomaha.edu) writes:

> I am attempting to assemble an accurate historical account of the Student Information Net of about 1969-1971, its role at Kent State, and related coordination of campus protest regarding the U.S. involvement in Vietnam.
>

Hey! Anyone else remember this? I remember all the OFs jamming this one.

I decided to check my QST collection from 1970.

This is from the July 1970 editorial, "It Seems to Us".

"A few young activists among us, banging the drum for complete freedom of speech, have labeled our view reactionary, out-of-touch with reality. We disagree, and suggest that more accurately it is these idealists who are the ones out of touch with reality, perhaps being too young to have learned that Utopia and practicality are not always compatible."

From the corresponce section in the November 1970 QST:

"Our rebels are gumming up the airwaves with left-wing revolutionary garbage, and the extremists of the right are fighting back with name-calling, jamming, and all the techniques they accuse the other side of using."   -W8GOE

(Gee.....sounds like 20 meters 20 years later. Could it be that the "good old days" are a result of selective memory?)

Correspondence, September 1970 QST:

"I resent your slur on the name of the former Senator Joseph McCarthy. Senator McCarthy was a great American who sought to call attention to some dangers besetting the United States. He was meticulous and accurate in all of his assertions. After he was hounded to his death by the anti-anti-communist wing he was proven correct in every case, usually by admission of the persons involved." -WN6KCO

(He was pissed because the July editorial accused jammers of the student net of "Joe McCarthy tactics.")

"I'm ashamed to call you HQ men brother hams! You advise us not to discuss politics on our bands. Why? Gentlemen, we have a piece of paper called the First Ammendment." -W2OQK

Just a little trip down memory lane....

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -1496156955621724301
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f9532,73608b29e8f68f62,start
X-Google-Attributes: gidf9532,public
X-Google-Thread: 10c9e3,73608b29e8f68f62,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,73608b29e8f68f62,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 109c0d,73608b29e8f68f62,start
X-Google-Attributes: gid109c0d,public
X-Google-ArrivalTime: 1990-10-20 21:30:51 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!cica!iuvax!bsu-cs!skyrider
From: skyrider@bsu-cs.bsu.edu (Bill Morris)
Newsgroups: rec.radio.shortwave,misc.wanted,misc.forsale,rec.ham-radio
Subject: wanted--early transistor radios
Keywords: transistor radios
Message-ID: <11923@bsu-cs.bsu.edu>
Date: 21 Oct 90 04:30:51 GMT
Organization: CS Dept, Ball St U, Muncie, IN, USA
Lines: 14
Xref: gmdzi rec.radio.shortwave:2484 misc.wanted:5744 misc.forsale:2560 rec.ham-radio:15979
Posted: Sun Oct 21 05:30:51 1990

looking for early transistor radios again--1954-1964.

especially early transistorized AM/SW, and AM/FM/SW sets such as the Admiral 909 All-World, RCA 1MBT6 StratoWorld Mk 2, etc.

Looking for parts for 1960 Philco T9 Trans-World. WIll take a junker.

Bill Morris
skyrider@bsu-cs.bsu.edu
Box 72 Swinford Hall
Ball State University
Muncie, IN 47306-1085 USA
317-285-3606

From -1494484339783120743
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5bf368b834cbdc71
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-20 21:47:25 PST
Path: gmdzi!unido!mcsun!uunet!know!cs.utexas.edu!asuvax!anasaz!qip!rusty
From: rusty@qip.UUCP (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: The return of the callsign project!
Keywords: callsign project folks
Message-ID: <5146@qip.UUCP>
Date: 21 Oct 90 04:47:25 GMT
References: <5117@qip.UUCP>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 25
Posted: Sun Oct 21 05:47:25 1990

In article <5117@qip.UUCP> rusty@qip.UUCP (Rusty Carruth) writes:
>
>Well, I've gone and done it.....

...lots of stuff about the callsign project...

Yup, I really went and did it that time! I forgot to gently remind folks to be sure to select all the different options. Like: TAR, CPIO, or "PURE DATA"; compress or no compress; media, density, and blocksize (as appropriate); insurance or not; PLEASE give me a return email address; and also PLEASE include a self-addressed sticky label so there is no question where to send the stuff back to.

Thanks!

--
+++ 73 de N7IKQ +++
Rusty Carruth   {ames!ncar!noao!asuvax,mcdphx}!anasaz!rusty

P.O. Box 27001, Tempe, AZ 85285   anasaz!rusty@asuvax.eas.asu.edu
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz
The Ham Callsign Project, part 3 (the 1990 version) - its HERE! Email for info

From -4658250668036585223
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4fddbe0d1e4f804
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-20 22:24:10 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: Code & other requirements
Summary: Missed the point
Message-ID: <267@bongo.UUCP>
Date: 21 Oct 90 05:24:10 GMT
References: <9889@tekigm2.MEN.TEK.COM> <7880320@hpfcdc.HP.COM>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 36
Posted: Sun Oct 21 06:24:10 1990

In article <7880320@hpfcdc.HP.COM>, perry@hpfcdc.HP.COM (Perry Scott) writes:
>
> Anyway, nice article. Engage your systems' flame filters, because the
> no-coders haven't figured out that CW can be fun/challenging/relaxing -
> in short, the reason why you become a ham in the first place.
>

I am a no-coder, and what many people seem to have trouble grasping is that we don't wish to ban or negate Morris. It is also not the reason I became a ham. I do know one no-coder who became a ham and an extra at that because he really liked HF contesting. Yes, I even have friends who think an evening at 35 WPM is fun and relaxing. They, like me, think that testing CW is not germane to the intent and purpose of amateur radio in the latter part of the 20th Century. Forty years ago, Morris was a marketable skill. Today, soldering and typing are marketable skills. If the purpose of amateur radio is to be training and self education, then the exam should reflect current technology.

I have friends that are sports spectators, some that do crossword puzzles, and by god some that are virtuosos at the key. They do these things to relax. I didn't become a ham because of Morris, in fact if there had not been no-code licencing in Europe, I may never have become a ham. When I came to the U.S., I struggled through CW to sorta painfully do 5 WPM only because I was tired of renewing my reciprocal licence and decided life would be easier with a U.S. call. Besides the problems with all the people who did not know what "G8LUK" was and thought I was a pirate or maybe an Australian station.

Yes, I did potter about on CW and worked some DX in the Novice bands. I didn't enjoy it. I don't enjoy crossword puzzles either. But you want to do CW? Be my guest. You think everyone who wants to be a radio

amateur should pass a CW proficiency test so they can do RTTY with a
C-64? Get real.
--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From 4467612700743182049
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-20 22:25:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
cs.utexas.edu!asuvax!anasaz!qip!rusty
From: rusty@qip.UUCP (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: Antenna Restrictions
Message-ID: <5147@qip.UUCP>
Date: 21 Oct 90 05:25:38 GMT
References: <7880314@hpfcdc.HP.COM> <1990Oct17.204646.19836@informix.com>
<4272@altos86.Altos.COM>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 22
Posted: Sun Oct 21 06:25:38 1990

In article <4272@altos86.Altos.COM> jerry@altos86.UUCP (Jerry Gardner) writes:
>In article <1990Oct17.204646.19836@informix.com> randall@informix.com (Randall
Rhea) writes:
>
>...
>I suppose there may be apartment complexes and homeowners associations that
>have attempted to ban the use of ham transmitters, but I've never heard
>of any.
>
Its not an apartment complex or homeowners assoc, but the mobile home park
I lived in in Tempe (Tempe Cascades Mobile home Park, on University Drive)
did not allow transmitters ofany kind to be used on the park grounds.

Or, at least, that is what the rules said. They did not enforce them,
considering there were at least 3 ham antennas up and in use (only
one of which was mine :-).

--
+++ 73 de N7IKQ +++
Rusty Carruth   {ames!ncar!noao!asuvax,mcdphx}!anasaz!rusty
P.O. Box 27001, Tempe, AZ 85285   anasaz!rusty@asuvax.eas.asu.edu
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz
The Ham Callsign Project, part 3 (the 1990 version) - its HERE! Email for info

From -3007603043185447700
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dbdaa976be89575f,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-20 23:58:38 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!ucsd!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: MAJOR SOLAR FLARE ALERT
Message-ID: <901021005838.20600339@HG.ULeth.CA>
Date: 21 Oct 90 06:58:38 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 51
Posted: Sun Oct 21 07:58:38 1990

-- MAJOR SOLAR FLARE ALERT --

OCTOBER 20, 1990

Potential Impact Forecast
Flare Event Summary

MAJOR ENERGETIC EVENT SUMMARY

A major solar flare occurred at 18:06 UT on 20 October. The flare was rated a class M8.5/1N event (quite powerful) and was produced from Region 6311 at location N15W82 (latitude, longitude from the central solar meridian). The flare officially began at 17:53 UT and ended at 18:12 UT (relatively short). The event was accompanied by strong radio bursts at high frequencies, but very weak bursts at low frequencies. A fairly weak shortwave fade was observed during this event. Post flare loops became visible at 18:41 UT and continued in progress for a couple of hours after the event.

No further major flares are anticipated from Region 6311 before it passes beyond the western limb in 24 hours. However, there is a risk that this region will produce a low to moderate level M-class flare before it's passage beyond the western limb. Probabilities for flare activity over the next 72 hours (from 21 October to 23 October) are:

Class M Flare: 45%
Class X Flare: 05%
Proton Flare: 05%

POTENTIAL TERRESTRIAL IMPACT FORECAST

The major flare is not expected to produce a terrestrial impact with the Earth. Although the flare was certainly powerful enough to cause a strong impact, it's position on the solar disk (far on the western limb) is too far to cause any significant impacts.

However, although this major flare is not expected to have an impact with the Earth, another solar event very well could have a moderate impact with the earth. A large 30-degree long solar filament located between N48E01 and N32W23 disappeared sometime between 15:13 UT on 19 October and 00:58 UT on 20 October. This event is expected to produce an increase in both geomagnetic and auroral activity within the next 48 hours. Radio propagation conditions will likely also become somewhat degraded at that time. For more information regarding this event, see the Solar Terrestrial Forecast and Review for 20 October.

** End of Report **

From -6029916630803522549
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55888b98d8a29769
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-21 01:08:14 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!orion.oac.uci.edu!cerritos.edu!arizona.edu!arizona!naucse!rrw
From: rrw@naucse.cse.nau.edu (Robert Wier)
Newsgroups: rec.ham-radio
Subject: Re: deed restrictions
Message-ID: <2723@naucse.cse.nau.edu>
Date: 21 Oct 90 08:08:14 GMT
References: <11088@hacgate.UUCP> <530026@hpdmd48.boi.hp.com>
Organization: Northern Arizona University, Flagstaff AZ
Lines: 23
Posted: Sun Oct 21 09:08:14 1990

In article <530026@hpdmd48.boi.hp.com>, ritchie@hpdmd48.boi.hp.com (David Ritchie) writes:

> CC&R's are nasty because they are not consistant. They vary widely, and
> in ways that are not rational to an observer (e.g. two adjacent lots
> may have CC&R's that are completely different). Also, you as a buyer
> have *no* choice about accepting the CC&R, as they are filed with the
> land and run with it. Since they are inconsistant, it means that each must

The first time I bought a house and discovered this, it was mind boggling... someone 20 or more years ago decided on certain uses for the property, and that remains in effect FOREVER, even though they don't own it anymore...

incredible.....

- Bob Wier

-------------- insert favorite standard disclaimers here ----------
College of Engineering
Northern Arizona University / Flagstaff, Arizona
Internet: rrw@naucse.cse.nau.edu | BITNET: WIER@NAUVAX | WB5KXH

or uucp: ...arizona!naucse!rrw

From -5995850352224280127
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9a4bd2c06f43d304,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-21 01:30:07 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: SOLAR TERRESTRIAL FORECAST AND REVIEW
Message-ID: <901021023007.20600339@HG.ULeth.CA>
Date: 21 Oct 90 08:30:07 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 371
Posted: Sun Oct 21 09:30:07 1990

--- SOLAR TERRESTRIAL FORECAST AND REVIEW ---
October 20 to October 30, 1990

Report Based In-Part from Data Obtained from the
Space Environment Services Center
Boulder Colorado

SOLAR TERRESTRIAL REVIEW AND SHORT-TERM FORECAST

By far, the most interesting day of the week occurred on 20 October when Region 6311 (N15W90) produced a major class M8.5/1N flare at 18:06 UT. This event was relatively short lived, lasting only 19 minutes, but produced some strong high-frequency radio bursts along with a relatively weak short-wave fade. Post flare loops became visible at 18:41 UT on 20 October and continued in progress for several hours after the event. This same region was also responsible for producing a class C8/SF flare at 05:10 UT on 20 October.

A large 30-degree-long solar filament also disappeared on 19/20 October. This filament was located between N48E01 and N32W23. It vanished from this location sometime between 15:13 UT on 19 October and 00:58 UT on 20 October. This event could have a potential impact with the Earth within 48 hours.

Geomagnetic activity varied from quiet levels to minor storm levels. The most active day of the week was 15 October, when middle latitudes experienced unsettled to active conditions with several brief bursts of minor storming. High latitudes remained mostly active with periods of minor storming. Activity then became quiet until 20 October, when another brief period of minor storming occurred at both middle and high latitudes.

Auroral activity was not visible during most of the period at low and middle latitude locations. High latitudes, however, witnessed periods of low to moderate auroral activity, particularly on 15 and 20 October.

Radio propagation conditions were, for the most part, good to very good throughout the week. The only exception was 15 October when high and northerly middle latitudes experienced degraded conditions due to geomagnetic and auroral activity. Low latitudes have maintained mostly good to very good conditions throughout the week.

Solar activity is expected to quickly become low as Region 6311 rotates beyond the western limb within the next day. Before this occurs, however, there is a slight risk of a low to moderate level M-class flare from this region. Accompanied with this risk is the potential for related short-wave fades. However, any short-wave fades occurring over the next 24 hours (until approximately 22 October) will be of low-intensity and relatively short duration. No further major flares are anticipated from Region 6311 before it rotates beyond the western solar limb.

Geomagnetic activity is expected to become unsettled to active with a risk of storm conditions (particularly at high and northerly middle latitudes) between 21 October and 23 October due to the recent large disappearing solar filament. No effects from the major flare are anticipated due to its location on the solar disk. The solar filament which disappeared was located relatively far north and may not produce significant geomagnetic activity. However, the risk for potential storm conditions cannot be entirely dismissed. Determining the potential impact of such events can be quite difficult and elusive. Current models suggest that the filament impact will probably be only modest.

Auroral activity is also expected to increase in tandom with geomagnetic activity. High latitudes could experience moderate to possibly periods of high sporatic auroral activity. Present models indicate that high-latitude activity will likely only reach moderate levels. Middle latitudes will witness mostly low to sporatic moderate auroral activity. Low latitudes will be unable to spot any auroral activity.

Radio propagation conditions may become degraded as effects from the disappearing filament engulf the Earth. Propagation at high latitudes is expected to become poor to very poor until approximately 24 October when conditions should again return to near-normal (fair to poor). Middle latitude paths may suffer fair propagation conditions on 21 - 23 October. There is a risk that middle latitude propagation will become fair to poor until 23 October, depending on the severity of the impact from the disappearing filament. Current models, however, suggest that propagation will be confined to fair conditions over middle latitude paths. Low latitudes will likely maintain good to very good propagation conditions throughout the next week. No significant impact is expected with low latitudes, although some slight decrease in propagation quality may be noticable until 22 or 23 October when conditions should return to normal or above normal.

SIDE NOTE: Potentially good to very good Meteor Scatter propagation should be possible in the evening and early morning hours of 21 and 22 October. The Orionid meteor shower peaks on these days and usually produces approximately 20 to 25 meteors per hour. Meteors should increase in frequency after the midnight hours.

SUMMARY OF ALL ACTIVE REGIONS VISIBLE ON THE SOLAR DISK AS OF 20 OCTOBER

Region #	Location	LO	Area	Class	LL	Spots	Magnetic Type
6311	N16W91	153	0120	CKO	04	006	BIPOLAR
6312	N10W87	149	0070	CAO	05	004	BIPOLAR
6313	S13W82	144	0020	HRX	01	002	SINGLE POLARITY
6314	S19W83	145	0290	HKX	04	003	SINGLE POLARITY
6319	S25W82	144	0120	DAO	08	008	BIPOLAR
6321	S26W44	106	0000	BXO	03	003	BIPOLAR
6322	S08W33	095	0230	EAO	13	034	BIPOLAR
6324	N11W61	123	0000	AXX	02	002	SINGLE POLARITY
6325	S13W09	071	0000	AXX	00	001	SINGLE POLARITY
6326	S25E17	045	0060	HSX	02	001	SINGLE POLARITY
6327	N18E30	032	0400	FKO	20	031	BIPOLAR
6328	N06E20	042	0040	HAX	01	002	SINGLE POLARITY
6330	N18W08	070	0000	BXO	03	004	BIPOLAR
6331	N17E46	016	0080	DSO	07	007	BIPOLAR
6332	S06E61	001	0020	HRX	01	003	SINGLE POLARITY
6333	N23E63	359	0000	BXO	04	005	BIPOLAR

NOTES:
For definitions regarding the above, request the Glossary of Solar Terrestrial Terms from "std_oler@hg.uleth.ca".

ACTIVE REGIONS DUE TO RETURN BETWEEN 21 OCTOBER AND 23 OCTOBER

Region	Latitude	Longitude (Helio.)
6294	S05	316
6315	S06	293

GRAPHICAL ANALYSIS OF RECENT GEOMAGNETIC ACTIVITY - BOULDER COLORADO

```
                  Cumulative Geomagnetic Activity History
             Peak Geomagnetic Activity during the past 87 hours
     _________________________________________________________________
    |  EXTREMELY SEVERE |        |        |        |     | VERY HIGH! |
    | VERY SEVERE STORM |        |        |        |     | HIGH       |
    |      SEVERE STORM |        |        |        |     | MODERATE   |
    |       MAJOR STORM |        |        |        |     | MODERATE   |
    |       MINOR STORM |        |        |        |    *| LOW        |
    |       VERY ACTIVE |        |        |        |  ***| NONE - LOW |
    |            ACTIVE | *      | *     *|  *   * |  ***| NONE       |
    |         UNSETTLED |**      | ****  *|**** ***|*****| NONE       |
    |             QUIET |***  ***| *******|********|*****| NONE       |
    |        VERY QUIET |********|********|********|*****| NONE       |
    |-------------------|--------|--------|--------|-----|------------|
    | Geomagnetic Field |  Wed.  |  Thu.  |  Fri.  | Sat.|  Anomaly   |
    |    Conditions     |    Given in 3-hour intervals   | Intensity  |
    |_________________________________________________________________|
```

NOTES:

This graph ONLY depicts geomagnetic conditions observed at Boulder, Colorado for the past 87 hours. Conditions to the north of Boulder will generally have slightly higher activity than Boulder, while conditions to the south of Boulder will likely have lower activity than those depicted here. However, the plots should present a good approximate average of planetary geomagnetic conditions.

"Anomaly Intensity" is meant to represent nothing more than a very rough guide to the --potential-- interaction geomagnetic fluctuations --might-- have on earth-based systems sensitive to magnetic fluctuations (ie. electrical power distribution networks, telecommunications networks, etc.).

For radio signal propagation purposes, plot lines are approximately proportional to propagation quality when plot lines are below Minor Storm conditions. Propagation quality may deteriorate rapidly (ie. non-proportionally) when plot lines reach or exceed Minor Storm levels. Complete radio blackout conditions on all short-wave frequencies may occur if plot lines reach or exceed Severe Storm levels.

PLANETARY 10-DAY GEOMAGNETIC ACTIVITY OUTLOOK (21 OCTOBER - 30 OCTOBER)

```
    ________________________________________________________________________
   |  EXTREMELY SEVERE |   |   |   |   |   |   |   |   |   |   | VERY HIGH! |
   | VERY SEVERE STORM |   |   |   |   |   |   |   |   |   |   | HIGH       |
   |      SEVERE STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MAJOR STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MINOR STORM |   |   |   |   |   |   |   |   |   |   | LOW        |
   |       VERY ACTIVE |   | * |   |   |   |   |   |   |   |   | NONE - LOW |
   |            ACTIVE |  *|***|** | * | **| * |   |   |   |   | NONE       |
   |         UNSETTLED |***|***|***|***|***|***|***|** | * |   | NONE       |
   |             QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |        VERY QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |-------------------|---|---|---|---|---|---|---|---|---|---|------------|
   | Geomagnetic Field |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|  Anomaly   |
   |    Conditions     |       Given in 8-hour intervals       | Intensity  |
   |________________________________________________________________________|
```

NOTES:

Predicted geomagnetic activity is based heavily on recurrent phenomena. Transient energetic solar events cannot be predicted reliably over periods in excess of several days. Hence, there may be some deviations from the predictions due to the unpredictable transient solar component.

GRAPHICAL ANALYSIS OF SOLAR ACTIVITY OVER THE PAST 60 DAYS

```
                   Cumulative Graphical Analysis of
                           Solar Activity
    ____________________________________________________________
```

```
325|                                                            | V.HIGH
313|* * F                                                       | V.HIGH
300|*** F                                                       | V.HIGH
288|****F                            F = Major Flare(s)         | HIGH
275|****F                                                       | HIGH
263|****F                                                       | HIGH
251|****FF                                                      | MOD.
238|****FF*                                                     | MOD.
226|****FF*                                               **    | MOD.
213|****FF**                                             ***  * | MOD.
201|****FF***              ** F**                     * ****  * | MOD.
189|****FF***            *****F*****                 **********F| LOW
176|****FF****          ******F*******        **   ************F| LOW
164|****FF******      ********F********       *****************F| LOW
151|****FF********************F*********   ********************F| LOW
139|****FF********************F********************************F| LOW
    ------------------------------------------------------------
               Cumulative 60 day Solar Activity Record
                   Start Date:  August 22, 1990
```

NOTES:

Left-hand column digits represent the 10.7 cm solar radio flux obtained from Ottawa. The right-hand column describes the relative solar activity for that period based on the average number of major and minor flares that can be expected for related solar flux values. Plot lines labeled with the letter "F" represent days where at least one major flare occurred (ie. class M5 or greater flare).

RADIO SIGNAL PROPAGATION PREDICTIONS (21 OCTOBER - 30 OCTOBER)

High Latitude Paths

```
            --------------------------------------------------------
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |   |   |   |   |   |   |   |   |   |   |
           |           GOOD |   |   |   |   |   |   |   |   |   |   |
           |           FAIR |   |   |   |   |   |   |   |   |  *|  *|
           |           POOR |** |   |  *|  *|* *|***|***|***|** |** |
           |      VERY POOR |  *|***|** |** | * |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Each Line Represents 8-Hours      |
            --------------------------------------------------------
```

Middle Latitude Paths

```
            --------------------------------------------------------
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |*  |   |   |   |   |   |   |   |  *|* *|
           |           GOOD | **|  *|  *|* *|* *|  *|***|***|** | * |
           |           FAIR |   |** |** | * | * |** |   |   |   |   |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Each Line Represents 8-Hours      |
            --------------------------------------------------------

                                Low Latitude Paths
            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD | * |   |   |  *|* *|* *|* *|***|***|***|
           |           GOOD |* *|***|***|** | * | * | * |   |   |   |
           |           FAIR |   |   |   |   |   |   |   |   |   |   |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Each Line Represents 8-Hours      |
            --------------------------------------------------------

NOTES:
       High latitudes >= 55       degree's north latitude
     Middle latitudes >= 40 < 55  degree's north latitude
        Low latitudes  < 40       degree's north latitude


AURORAL ACTIVITY PREDICTIONS (21 OCTOBER - 30 OCTOBER)

                            High Latitude Locations
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   |   |   |   |   |   |   |   |
           |       MODERATE | **|***| * |   | * | * |   |   |   |   |
           |            LOW |***|***|***|***|***|***|***|** | * | * |
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------

                          Middle Latitude Locations
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   |   |   |   |   |   |   |   |
           |       MODERATE |   | * |   |   |   |   |   |   |   |   |
           |            LOW |***|***|***| * | * | * | * |   |   |   |
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------
```

```
                   Low Latitude Locations
  ________________________________________________________
 | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
 |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
 |           HIGH |   |   |   |   |   |   |   |   |   |   |
 |       MODERATE |   |   |   |   |   |   |   |   |   |   |
 |            LOW |   |   |   |   |   |   |   |   |   |   |
 |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
 |----------------|---|---|---|---|---|---|---|---|---|---|
 |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
 |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
  --------------------------------------------------------
```

NOTES:

Latitudinal boundaries are the same as those given above for radio propagation quality. Periods of high auroral activity may be suitable for auroral-propagation. Locally visible moderate auroral activity will almost always cause moderate to strong deterioration in HF signals, while locally visible high auroral activity will render most HF bands useless.

Auroral activity is defined as follows:

NOT VISIBLE: Not visible

LOW: Diffuse, inactive auroral activity visible very near the northern horizon for mid and low latitudes.

MODERATE: Visibly active, but not exceptionally bright auroral activity most visible above the northern horizon for mid to high latitudes. This type of activity usually encompasses torch-like (or beam-like) aurorae mixed with low-intensity curtain aurorae.

HIGH: Visibly very active, with periods of bright, pulsating curtain aurorae possibly mixed with moderate intensity zenith aurorae. Can occur to the north as well as stretching up near the zenith, particularly at middle latitudes. There may be some color fluctuations discernable.

VERY HIGH: Very active, very bright and very colorful auroral activity possibly mixed with intense zenith and curtain aurorae. Visibly strong pulsations with auroral boundaries to the zenith, stretching even partway to the southern hemisphere of the sky.

EXTREMELY HIGH: Rare, incredibly bright auroral activity with rapid color and brightness fluctuations mixed with very strong rapid auroral pulsations visible throughout the entire sky.

There are three plotted lines per day in the auroral activity prediction charts. Each of these three plotted lines represent three periods during the evening/morning when auroral activity can be seen. The first line represents the evening twilight period. The middle line represents the --local-- midnight sector, while the last line of each day represents the morning twilight period.

The auroral activity predictions charts are heavily based on recurrent phenomena and may not be accurate in the longer-term due to unforseen and unpredictable transient events (ie. such as solar flares).

The visibility of auroral activity depends on your location and the brightness of the sky (which is dependent upon both city lights and lunar phase). These charts do not account for these variations. The charts are based on dark-sky conditions (lunar phase excluded). Aurorae occur independent of sky brightness, so just because auroral activity may not be directly visible (due to lunar phase, for example) does not mean auroral activity isn't in progress.

** End of Report **

```
From -6679871944583052391
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6e5d23f897e624f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-21 06:37:14 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-
state.edu!ucbvax!DGAESO51.BITNET!JARVIS
From: JARVIS@DGAESO51.BITNET
Newsgroups: rec.ham-radio
Subject: subscription to packet group??
Message-ID: <9010211337.AA14004@ucsd.edu>
Date: 21 Oct 90 13:37:14 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Sun Oct 21 14:37:14 1990
X-Unparsable-Date: 21 OCT 90 03:04-ECT
```

Date: 21-OCT-1990 03:04:19.44
From: JARVIS AT DGAESO51
To: EARN::"info-hams@ucsd.edu"
Subj: subscription to packet group??

Dear Sir,
Can you tell me how I go about becoming subscribed to the packet group called:

rec.ham-radio.packet

Thank you...Brian Jarvis, VK7XD/CE2

address: JARVIS@DGAESO51.BITNET

From -4916511008400853228
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,962e08cd6f381
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,962e08cd6f381
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,8fe9c7ec76a10335
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,8fe9c7ec76a10335
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-10-21 08:05:02 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!bu.edu!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!nosc!crash!orbit!pnet51!rambler
From: rambler@pnet51.orb.mn.org (Dan Meyer)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: Laws against scanners
Message-ID: <3357@orbit.cts.com>
Date: 21 Oct 90 15:05:02 GMT
Sender: root@orbit.cts.com
Organization: People-Net [pnet51], Minneapolis, MN.
Lines: 14
Xref: gmdzi rec.radio.shortwave:2487 rec.ham-radio.swap:714 rec.ham-radio.packet:2950 rec.ham-radio:15986
Posted: Sun Oct 21 16:05:02 1990

If is against the law to listen to cordless telephone transmissions, I guess I better stop turning my cordless phone into a speakerphone by listening to my signal on my scanner!

8-)

-- Dan Meyer
-- N0KFB
Remember: " Buffalo never Oink " Seen on a South Dakota travel brocure.
Advertisment: Try the Railway Post Office , a railfan BBS ! (612) 377-2197.
UUCP: {crash tcnet}!orbit!pnet51!rambler
ARPA: crash!orbit!pnet51!rambler@nosc.mil
INET: rambler@pnet51.orb.mn.org

From -5720521455699750816
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36a74c1a82066ace,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-21 08:28:00 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!AUDUCVAX.BITNET!SPADGETT
From: SPADGETT@AUDUCVAX.BITNET
Newsgroups: rec.ham-radio
Subject: CBS irresponsible nothing new

Message-ID: <9010221311.AA16294@ucsd.edu>
Date: 21 Oct 90 15:28:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 32
Posted: Sun Oct 21 16:28:00 1990

Here are a couple of historical references that may be of use to the current discussion on the responsibility factor of CBS network. (This may be similar to throwing gasoline on a fire.)

In 1969, CBS aired a program called HUNGER IN AMERICA. The program opened with a dramatic rescue attempt in a San Antonio hospital of a small baby. The program stated that this child, like many others in America died because of hunger. WRONG! The child's parents were well-to-do and the child was very premature. Hunger or malnutrition was not a factor in this death.

In 1971, CBS aired the program THE SELLING OF THE PENTAGON. The pentagon charged that CBS took the answers to one question and re-arranged them to form the answer to another question. This process made the pentagon appear in the worst possible light. On investigation, it was discovered that the pentagon secretly videotaped the interviews, also. The "secret" video tapes proved that CBS had altered the responses in order to make the program more sensational.

Remember the 1968 Democratic Convention in Chicago? There is lots of evidence that CBS news crews were staging confrontations between police and protestors.

Remember Dan Rather's faked trip into Afghanistan?

CBS has a long history of distorting the news. If you want to call CBS irresponsible, you will have to stand in a long line to do so.

Steve Padgett
KK4NM

spadgett@auducvax

From 4096938732987130879
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12c2ec098397d417,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-21 08:58:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!asuvax!stjhmc!ddodell
From: ddodell@stjhmc.fidonet.org (David Dodell)
Newsgroups: rec.ham-radio
Subject: New Scanner
Message-ID: <28808.2721CB27@stjhmc.fidonet.org>
Date: 21 Oct 90 15:58:16 GMT

Organization: St. Joseph's Hospital/Medical Ctr, Phoenix, AZ
Lines: 15
Posted: Sun Oct 21 16:58:16 1990

I am in the market to buy a new scanner ... I would like to have coverage of
all bands, 30 mhz to 950 mhz. I would appreciate email from anyone that would
be willing to give me their opinions on the various models out there.

David

--

```
   --------------------------------------------------------------------------
             St. Joseph's Hospital and Medical Center, Phoenix, Arizona
           uucp: {gatech, ames, rutgers}!ncar!asuvax!stjhmc!ddodell
       Bitnet: ATW1H @ ASUACAD                      FidoNet=> 1:114/15
       Internet: ddodell@stjhmc.fidonet.org         FAX: +1 (602) 451-1165
```

From 8925101457477449603
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-21 09:47:12 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Antenna Restrictions
Message-ID: <5150@qip.UUCP>
Date: 21 Oct 90 16:47:12 GMT
References: <1990Oct17> <30500811@ux1.cso.uiuc.edu> <174@km4ba.UUCP>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 15
Posted: Sun Oct 21 17:47:12 1990

In article <174@km4ba.UUCP> alan@km4ba.UUCP (Alan Barrow) writes:
]
]My contractor friend feels the only way to be sure is to go to the
]tax office where the plats are kept, and visibly inspect the plat.
]
You can do the following: specify in your written offer that it is
contingent on your approval of the CC&R's. Further specify that
the seller must deliver them to you by specified date for your
approval. I've done this - it works.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From -553583836507827721
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f6225f33561a619a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-21 10:01:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!fozzie!stanley
From: stanley@fozzie.UUCP (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: privacy, was CBS . . .
Message-ID: <ogieR7w161w@fozzie.UUCP>
Date: 21 Oct 90 17:01:11 GMT
References: <213.271FD9FD@w8grt.fidonet.org>
Organization: One Man Brand
Lines: 41
Posted: Sun Oct 21 18:01:11 1990

jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

> > From: betz-a@hpuxa.ircc.ohio-state.edu (Andrew L. Betz III)
> > In article <291.271DE138@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org
> > (Jim Grubs) writes:
> >
> > >Moreover, there is the fundamental issue: why would any decent person WAN
> > to
> > >eavesdrop on the private lives of others?
> >
> > This is an excellent example of how asking the question will
> > influence the response. The fundamental issue is NOT whether
> > decent people want to snoop on others. Rather, its a division
> > in philosophy between freedom and privacy.
>
> You are evading my question. WHY do people want to listen to baby monitors,
> cordless telephones, etc.? WHY do people want to pry into other people's
> private lives? Hang the legalities. What is the motivation to do it, legal or
> not?

The question you ask is backwards. WHY do people want to broadcast their private lives to everyone withing two miles? What makes people think that what they broadcast is stopping at the edge of their property?

Your question is a lot like asking "WHY do people want to keep and bear arms?" Not everybody does. But, the Constitution says it is our right to do so if we wish. I very much like the description of the airwaves from "The Capitalist Manifesto", which says the airwaves are a limited resource that belong to everyone. This is the basis for TV/Radio licenses, which are (supposed) to be granted to the station "as a public trustee". They were not given the air, they were 'loaned' it, to use in our interest. Those frequencies being used by my neighbor are not his personal airwaves. They are mine, too.

You might claim users of baby monitors do no know what they are doing. True. But, it is not illegal for me to buy a piece of apparently worthless property from someone who doesn't recognize gold bearing quartz when I do. He lost because he didn't know what he was doing. I gained because I did. "Baby monitor" gave up personal information because he doesn't know what he is doing. I gain because I do.

This is my signature. It doesn't contain my name at all!

From 3941721715360380487
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c2fa4ca17c70da8e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-21 11:52:00 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!WABASH.BITNET!PERRYR
From: PERRYR@WABASH.BITNET (GWYFFD)
Newsgroups: rec.ham-radio
Subject: Various
Message-ID: <9010211858.AA23871@ucsd.edu>
Date: 21 Oct 90 18:52:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 39
Posted: Sun Oct 21 19:52:00 1990

Just wanted to comment on a few things:

1) Just worked the JOTA (Jamboree on the Air) for a local Boy Scout Group. Had a lot of fun, made about 12 QSO's in 3 hours (which is good, considering that usually I made a contact, and then handed the mic around the room) and even hit K2BSA/1. Was searching for DB0BS(something), the German station, but missed it. Oh well... The kids had fun, and I think with a little work, three of them might be Novices soon (which is one reason I like doing the JOTAs). I remember meeting a ham on Field Day in 1978, when I was still a Scout myself. He had set up at a local camporee, and was having the time of his life. That got me started in this crazy hobby, and it's fun to pay back a bit. Anyone else work the Jamboree? What did you think? I found that with so many high-pitched voices, I had trouble zero-beating..... I kept thinking that I was off, since the voice was so high...

2) I have an Alinco DJ-160 HT. I've never had problems with intermod, but the manufacturer lies about wattage output. I have both the EB-10 (rated .2/2.5 watts lo/hi) and the EB-12 (rated .5/5 watts lo/hi) and have found the real output to be about right at the low level, but about a watt less in both cases at the high level. Not too badly off, but still less than I was expecting. I'm still looking for the MARS-CAP mods for this radio, though.... anyone have them (forlorn hope)?

3) What defines "Type-accepted"? Our local Civil Defence group has considered using ham radios because in our experience, they are better radios. We hooked up a Kenwood 231 and a Motorola both txing in the public service bands, and compared them. The Kenwood was easier to use, suffered less intermod (a problem here, since our antenna is 20 feet from the County Police antenna), and according to the spectrum analyser, had a "cleaner" signal! (-43dB reduction

for the Kenwood, vs -21 for the Motorola). Also, they're cheaper, in general.
If we could get a crystal controlled Kenwood, we would buy it in a second!. As
it is, we just look at them and sigh.

Well, I've taken up enough bandwidth for today.

73's
Todd Perry
KB2JAC/9
PERRYR@WABASH.bitnet

From -4177033229700711318
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,de3e56afc2995b4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,de3e56afc2995b4,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-21 13:56:40 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!frank
From: frank@ut-emx.uucp (Frank Abernathy)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Do you want an ICOM R7000?
Keywords: see rec.ham-radio.swap
Message-ID: <38525@ut-emx.uucp>
Date: 21 Oct 90 20:56:40 GMT
Followup-To: poster
Organization: The University of Texas at Austin; Austin, Texas
Lines: 11
Xref: gmdzi rec.ham-radio:15993 rec.radio.shortwave:2490
Posted: Sun Oct 21 21:56:40 1990

If you are interested in owning an ICOM R7000,
see the posting in rec.ham-radio.swap

frank

(for sale items can't be posted here :^)

--
Frank Abernathy, University of Texas at Austin, frank@ut-emx.utexas.edu
Work: (512)-471-3216   Home: (512)-244-0625 (ans. mach always on...)

From -6269512901181703387
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db96dcdd679c4e46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-21 14:29:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cica!iuvax!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu

Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V90 #296
Message-ID: <30500813@ux1.cso.uiuc.edu>
Date: 21 Oct 90 21:29:00 GMT
References: <9010101401.AA12556@ucsd.edu>
Lines: 77
Nf-ID: #R:<9010101401.AA12556@ucsd.edu>:-29:ux1.cso.uiuc.edu:30500813:000:4413
Nf-From: ux1.cso.uiuc.edu!phil   Oct 21 16:29:00 1990
Posted: Sun Oct 21 22:29:00 1990

> Let's not nitpick. You know and I know that the issue is USING the radio to TRANSMIT out of band. That is a reasonable presumption of the intent of a transmit mod.

I modified my radio to transmit out of band, with the intent of (but NOT on a regular basis) to be able to transmit out of band. That is a simple enough conclusion. But the intent was not to do anything illegal, since there exist more than one legal case of transmitting out of band (IMHO).

I just want to make sure someone doesn't suggest that the POSSESION of radio so modified be made illegal just because they have not considered the LEGAL reasons for transmitting out of band. clearly if there comes to be a law making it illegal to posses equipment capable of transmitting on any frequency you don't have a license for (aside from part 15 devices and such) there could be many problems with, such as making illegal those devices intended for other than over-the-air transmission, like the drivers for transverters. You COULD do something illegal with it, and you COULD do something legal with it.

> Hams have been fined by FCC for transmitting out of band under the relevant portions of Part 97 covering allowable frequencies. If you are a licensed ham and transmit outside of your allocated bands, you are in violation of the sections of Part 97 specifying your band limits. You may also be found to be in violation of other Parts.

And I believe that, in the intended circumstances, that 97.403 can in fact make out of band transmission "legal". But if there is any doubt about the proper application of 97.403 in any circumstance, you can bet that a court will be making the actual determination. The FCC could very well take someone to court and argue that the circumstance were not what 97.403 was meant to cover. I am not certain just what they were intended to cover, but I have some ideas.

> > > Remember that this whole thing got started by somebody who
> > > stated he was trying to access non-ham repeaters with ham equipment
> > > and wanted advice on how to attain the odd split. Nothing in the
> >
> > Instead he got told "I don't think you should do what you want. I don't
> > know what you want to do for sure, but it surely must be illegal."
>
> Please, please, please read the second line of the above quote again, or better yet the original message if you still have it. The

```
> individual in question specifically stated that he was attempting to
> use a transceiver manufactured for amateur use on non-ham repeaters.
> That is illegal on its face, unless he is authorized to use those
> non-ham frequencies by licensure or permission of a licensee in
> another service AND the radio will be certified as meeting technical
> standards for that service.

But there exist certain "legal" uses.  I suggest people not be so quick
to say things like "what you plan to do is illegal" but rather examine
it closely and if you must say something, say things like "I'm not sure
what you intend to do, but I'd like you to be aware that this mod readily
allows you to do many illegal things.  I hope your intended use is legal".

>  >    Unfortunatley, we have already decided that what he wants is not
>  > covered by Part 97, so self-policing doesn't apply. This country
>
>       You have decided that, based on what I _believe_ to be faulty
> reasoning.  As stated in a previous message to Phil, the FCC can and
> does take action against ANY type of license held by a person found
> guilty of an infraction of any of their regs.  So what's wrong with
> advising a fellow ham that he _might_ lose his amateur privileges if
> the action he is contemplating is not legal?

There's nothing wrong with it.  I just don't believe it falls under the
concept of hams self-policing their own service.  A case in point could
be Captain Midnight's adventures with HBO's satellite feed.  I doubt if
he would have listened, as I am sure he knew it was blatantly illegal.
Still, it would be OK to have advised him not to do it (had you known him
and known he intended to), but it would not really have been a part of
ham self-policing.  It's just the same as telling anyone not to do anything
that is illegal.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From -4942059354747159994
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55888b98d8a29769
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-21 14:38:00 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-
state.edu!sol.ctr.columbia.edu!cica!iuvax!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: deed restrictions
Message-ID: <30500814@ux1.cso.uiuc.edu>
Date: 21 Oct 90 21:38:00 GMT
References: <11088@hacgate.UUCP>
Lines: 50
Nf-ID: #R:hacgate.UUCP:11088:ux1.cso.uiuc.edu:30500814:000:2471
Nf-From: ux1.cso.uiuc.edu!phil    Oct 21 16:38:00 1990
Posted: Sun Oct 21 22:38:00 1990
```

> As a practical matter, the enforcement of CCRs is usually turned over to a homeowner's association. Unless they have an extremely vigorous enforcement gestapo, contract abandonment is very likely. The only other people that could report you to the gestapo (the neighbors) probably don't even remember all the fine print on the CCR document and the other flurry of documents they signed when their house closed.

If your neighbor just does not like your tower or antenna, for whatever reason, and talks to his lawyer, then the game suddenly changes because the lawyer will think of checking on the CCRs. That's his job.

> > The problem is that both of these routes are expensive, risky and can lead to neighbor problems (which is bad new for everyone). We had a ham here in AZ who spent $22,000 fighting deed restrictions that had prohibitted him from putting up a dipole, and he lost the case.
>
> The other practical aspect of homeowner's assn enforcement is that most of them are flat-broke. The legal strategy is to get your lawyer to file expensive and time-consuming motions until their money runs out.

It's going to cost YOU a lot of money to have your lawyer do all these things (in the usual cases). The association might well be paid a lot of the money by the complaining neighbor(s). And they would stand a lot better chance of recovering their legal fees should they prevail than you would if you prevail. Your lawyer can give you the proper details if you encounter this situation.

> > I am not a lawyer. These are just my opinions. Your mileage may vary.
>
> I'm not a lawyer, either. These are just some personal observations from another ham stuck under a CCR.

Most of us aren't, unfortunately (or maybe that should be fortunately).

> I wonder now if, because the antenna clause was abandoned on my CCR on enforcing the HF6VX on the ground, I can now put up a "real" antenna on top of the roof. (heh, heh, heh.)

Speak to your lawyer. Talk with him about:

- Recording some evidence about the existance of your present antenna and the time period it has been up.

- Checking with what laws might be applicable whereby you could have the actual CCRs removed by court order on the basis of abandonment of the CCRs before putting up the bigger antenna.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 8841711911219986068
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dbc8edc568249ecf,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,dbc8edc568249ecf,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-21 14:39:16 PST
Path: gmdzi!unido!mcsun!uunet!cbmvax!heimat!dan
From: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Info wanted on Computer Interfaces
Keywords: Kantronics KAM, AEA PK-232, MFJ 1278
Message-ID: <204@heimat.UUCP>
Date: 21 Oct 90 21:39:16 GMT
Reply-To: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Organization: Sneakers Computing, West Lawn, PA
Lines: 23
Xref: gmdzi rec.radio.shortwave:2495 rec.ham-radio:16005
Posted: Sun Oct 21 22:39:16 1990

-=-

Im looking for information on the above units besides the few lines mentioned in the various SW/Ham catalogs. Things like grey/scale or B&W fax, ect....

Perhaps the most important thing im looking for is software to run any (or all) of these on an Amiga. If im reading the few lines correct, all can use a simple terminal program for the various modes except Fax. So does anyone use any of these with an Amiga or know of software to use them with an Amiga that will receive -all- modes?

On the same note, do any of them supply information so that I could write my own?

--

```
                               _____
     Dan 'Sneakers' Schein    /     \   Quote:
     Sneakers Computing     \/\/     |        Those who worked the hardest
     2455 McKinley Ave.      |  (o)(o)        are the last to surrender.
     West Lawn, PA 19609     C   .---_)            -= Gary Ward =-
                              | |.___|
                              |  \__/
     uunet!cbmvax!heimat!dan  /_____\  (or)  dan%heimat@commodore.com
```

From 4537063417860432518
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c29d8abefd012d5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-21 14:46:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!iuvax!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu

Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V90 #309
Message-ID: <30500815@ux1.cso.uiuc.edu>
Date: 21 Oct 90 21:46:00 GMT
References: <9010132147.AA00283@ucsd.edu>
Lines: 9
Nf-ID: #R:<9010132147.AA00283@ucsd.edu>:-29:ux1.cso.uiuc.edu:30500815:000:346
Nf-From: ux1.cso.uiuc.edu!phil   Oct 21 16:46:00 1990
Posted: Sun Oct 21 22:46:00 1990

> We could ask Ploni Almoni over in the FCC echo. He is a lawyer,
> not an FCC person.

But would you be asking him in the context of a fellow network user or
as a paying client? :-)

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 7189680396441706133
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5b8660cd02ef1cab
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-21 14:49:00 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!iuvax!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Dipoles
Message-ID: <30500816@ux1.cso.uiuc.edu>
Date: 21 Oct 90 21:49:00 GMT
References: <4263@altos86.Altos.COM>
Lines: 11
Nf-ID: #R:altos86.Altos.COM:4263:ux1.cso.uiuc.edu:30500816:000:499
Nf-From: ux1.cso.uiuc.edu!phil   Oct 21 16:49:00 1990
Posted: Sun Oct 21 22:49:00 1990

> Anyone know the effect wire insulation has on the length of a resonant
> dipole? I've always used the formula 468/freq to calculate the length
> of bare-wire dipoles. What does the numerator change to if the wire
> is insulated?

I've always used 150/freq, but I guess that is just a fundamental difference
in our personal preferences. :-)

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -1654475749979716504

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-21 14:58:00 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!iuvax!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Antenna Restrictions
Message-ID: <30500817@ux1.cso.uiuc.edu>
Date: 21 Oct 90 21:58:00 GMT
References: <204646@<1990Oct17>
Lines: 33
Nf-ID: #R:<1990Oct17:204646:ux1.cso.uiuc.edu:30500817:000:1662
Nf-From: ux1.cso.uiuc.edu!phil   Oct 21 16:58:00 1990
Posted: Sun Oct 21 22:58:00 1990

> My friend thinks I may be bound by these. I felt I wouldn't, since
> I did not sign anything that discussed them.

There may be language in what you did sign that binds you to them and it may not even be obvious.

When you are contemplating a house purchase, discuss with your lawyer just want you want. You might add clauses (have your lawyer write them) making the deal void should certain things turn up. Real Estate lawyers should know all the places to look for where the covenants can be registered. It would ultimately be your responsibility to look them up.

> Anyone have any info on this? I suspect it may vary from state to
> state.

It definitely does vary from state to state. As for general info, you could read through the books and study guides on real estate sold in the academic bookstores serving the nearest college/university law school. I have found the Nutshell book on real estate law rather interesting. It covers a lot of the conceptual things that would generally differ fron state to state, but only in detail (such as number of years for abandonment of a covenant).

> I know there are several home that violate the orig covanents in
> various ways, so I don't think anyone is enforcing them anyway.

That can be evidence of lack of enforcement; meaning you might get away with it. It is not going to generally be of any use in your defense unless it is the exact same covenant, and then your lawyer is going to have to be good at his job to connect the applicabilities.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 2887960864533537058

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f6225f33561a619a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-21 15:12:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cica!iuvax!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: privacy, was CBS . . .
Message-ID: <30500820@ux1.cso.uiuc.edu>
Date: 21 Oct 90 22:12:00 GMT
References: <271@<291>
Lines: 37
Nf-ID: #R:<291:271:ux1.cso.uiuc.edu:30500820:000:1798
Nf-From: ux1.cso.uiuc.edu!phil   Oct 21 17:12:00 1990
Posted: Sun Oct 21 23:12:00 1990

> You are evading my question. WHY do people want to listen to baby monitors,
> cordless telephones, etc.? WHY do people want to pry into other people's
> private lives? Hang the legalities. What is the motivation to do it, legal or
> not?

Jim, you are asking questions about MORALS. There may be as many different answers as there people asked.

It's OK to ask questions about MORALS, but I don't have to answer if I don't want to. It's OK to ask what I do in bed, but I don't have to answer if I don't want to. I don't want to answer either question.

I hope your question on morals has ABSOLUTELY NO CONNECTION whatsoever to the LEGAL issues. I for one don't want to see ANY law based on morals. The main reason for this is that there are SO MANY DIFFERENT systems of morality to choose from.

I can imagine many reasons why people might listen in on radio transmissions. I can imagine many reasons why people might open the envelope containing the pictures of you and your significant other in bed together.

Yes, Jim, I *AM* EVADING your question. The reason is because no matter what the answer is, or who answers it, it is NOT RELEVANT.

I am only interesting in making/keeping such listening LEGAL so that the MORAL issues don't have to come into play as arguments, so that we don't have to deal with the conflicts that would arise out of the differences in moral beliefs we all have.

Isn't it strange that so MANY issues all come down to someone questioning someone ELSE's moral beliefs? Can't we all just live together despite our individual differences without having to question, judge, push, pull or promote any of them?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society

<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 4671536878666674404
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31ab972b4be60ae1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-21 15:22:00 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!iuvax!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: legal identification
Message-ID: <30500821@ux1.cso.uiuc.edu>
Date: 21 Oct 90 22:22:00 GMT
References: <9010191616.AA05272@ucsd.edu>
Lines: 28
Nf-ID: #R:<9010191616.AA05272@ucsd.edu>:-29:ux1.cso.uiuc.edu:30500821:000:1405
Nf-From: ux1.cso.uiuc.edu!phil   Oct 21 17:22:00 1990
Posted: Sun Oct 21 23:22:00 1990

Suppose I need to QRO to 800 watts in a quad yagi array to hit a repeater many many miles away. What if I then QRP to 10 milliwatts to ID? The FCC might well be listening to my 800 watt signal and not be picking up the 10 milliwatt one. Have I LEGALLY ID'd?

I don't know.

I personally consider it important that my ID have basically the same coverage as my just recent transmission.

However there do come to be circumstances where one just cannot ID because they cannot transmit without also causing interference (which would technically be intentional because you know it would interfere). I would personally prefer to avoid the interference. In such cases one might have no opportunity to ID at all within a limited time frame.

When it is clearly such a case, I suppose going QRP enough that you are confident you will not cause interference is as good as you can do then. But it should not be used when a full ID clearly is possible, nor to make your transmission effectively anonymous for part of the coverage.

If you ID QRP and then get back into the repeater QRO, you should ID again to make sure your transmission is ID as well as possible. I believe it is unfortunate that the FCC regulations really do a poor job of defining this.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 814625423603157299
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,32f6ce9c97eeab06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-21 15:37:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cica!iuvax!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: So Cal repeater stats
Message-ID: <30500822@ux1.cso.uiuc.edu>
Date: 21 Oct 90 22:37:00 GMT
References: <21168@ucsd.Edu>
Lines: 63
Nf-ID: #R:ucsd.Edu:21168:ux1.cso.uiuc.edu:30500822:000:2425
Nf-From: ux1.cso.uiuc.edu!phil   Oct 21 17:37:00 1990
Posted: Sun Oct 21 23:37:00 1990

```
>     13  open 6m
>      9  closed   6m
>
>    180  open 2m
>    108  closed   2m
>
>    115  open 220 MHz
>    172  closed   220 MHz
>
>>>>>>>    31  open 450 MHz
>>>>>>>   488  closed   450 MHz
>
>      7  open 900 MHz
>     23  closed   900 MHz
>
>     21  open 1.2 GHz
>     65  closed   1.2 GHz
>
>    504  multiband remote base
```

If Communicators are limited to 220 MHz and above, most are going to end up on 440 MHz because of the equipment availability. This is going to wreak havoc with the 440 MHz private repeaters. The closed club repeaters would be a significant problem as long as the clubs don't practice any discrimination on the basis of license class.

I would suspect that most of these repeaters are controlled by CTCSS or DTMF access. With virtually all new radios having CTCSS tone generation capability for all standard tones, those repeaters controlled by CTCSS are going to end up being accessed anyway. The DTMF controlled ones with short access codes could see the same problems.

This will, unfortunately, also create even more bias against Communicators as a whole for the actions of likely just a few.

From the looks at the above stats, the 70cm band is just as crowded as the

2m band in major metroplitan areas (i.e. FULL). Every argument that uses fullness as a reason to exclude Communicators from 2m is just as applicable for 70cm. The only difference is that there are FEWER open repeaters on 70cm.

Maybe having Communicators on the "full" 2m band would cause problems. But squeezing them all (and this is where they would go, mostly) onto the "full and closed" 70cm band will just be worse.

The argument in the rural areas is different, since 2m is the primary band everyone uses and 70cm is used, but not by nearly so many.

This matter alone justifies allowing Communicators on 2m and 6m. Maybe it is not too late to file a petition to amend comments to the FCC in the Communicator issue.

> (Note that 'closed' and 'private' are rolled together: the former merely
> requires club membership which is open to any applicant; the latter is
> by-invitation only. They didn't mention any statistics on how many there
> are in each of these categories.)

It would be nice to see those differences. Maybe someone can encourage them to break the stats down a little better.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 2942094656935019984
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5f13d26fb45648de,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 20:08:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!wuarchive!usc!ucsd!ucbvax!OSUCC.BITNET!AGENGCC
From: AGENGCC@OSUCC.BITNET
Newsgroups: rec.ham-radio
Subject: Kenwood TR2600 Frequency limit modification.
Message-ID: <9010190310.AA29827@ucsd.edu>
Date: 19 Oct 90 03:08:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6
Posted: Fri Oct 19 04:08:00 1990

If any one has the information to modify a Kenwood TR2600
to receive a wider band of frequencies please e-mail it to me.
>>>>We wouldn't want to clutter up all these flames with useful
>>>>info. (:}

Gordon Couger N5QAQ AGENGCC@OSUCC.BIT

From 2511661959739932965
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db96dcdd679c4e46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 21:00:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!fozzie!stanley
From: stanley@fozzie.UUCP (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: Re: Info-Hams Digest V90 #296
Message-ID: <6ys0q2w161w@fozzie.UUCP>
Date: 19 Oct 90 04:00:16 GMT
References: <126.271DFD6E@rochgte.FIDONET.ORG>
Organization: One Man Brand
Lines: 82
Posted: Fri Oct 19 05:00:16 1990

David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG (David Stark, NF2G) writes:

> If you transmit on frequencies allocated to another service as a member of that service, then Part 97 does not apply to your communications at all. You are then bound by the applicable regs for the service you are using and the general regs for all radio users. The fact that you also happen to be licensed under Part 97 as an individual is immaterial.

However, you _assume_ the requestor of the mod info is _not_ authorized to do what he was asking to do. He might be, he might not be. To say he _is_ doing something he shouldn't be is making assumptions based on facts not in evidence (sorry, too much Perry Mason).

> In my *opinion* this is different from the case of a ham who takes his HT, which is only certificated for amateur use, and modifies it for out of band coverage for whatever reason. If he can get the radio certified/type accepted/whatever by the FCC for the additional frequency coverage, the radio itself is legal.

The radio itself is legal whether or not it is certified/type accepted for out-of-band. He couldn't sell it, but there is NO CRIME in posessing a radio with oob capability. Like mine, which covers all but is certified for one specific freq, is legal even when the tuning dial read 5686. Note I said posessing, not using.

> Then all he needs is a license in the appropriate other radio service OR authorization from a licensee to transmit under their license. That takes him completely out of Part 97.

If he ain't under Part 97, why all the quotes from it? In fact, no oob operation is covered by 97. Part 97 says what freqs you MAY use, not what you are prohibited from using. Anything oob is covered by other regs.

> Remember that this whole thing got started by somebody who

> stated he was trying to access non-ham repeaters with ham equipment
> and wanted advice on how to attain the odd split. Nothing in the
> message offered any evidence of type acceptance for his radio to go
> outside the ham bands, nor did he mention any authorization or
> licensure for non-ham transmission. If properly licensed outside of
> the amateur service, he could have simply contacted a service shop or
> the manufacturer for this info.

      ^^^^^^^^^^^^

I took that route, mainly because an entrepreneur who does the mod I
needed wanted $50 to do it. Kenwood, in their infinite wisdom, decided to
keep it a deep dark secret. I had to fax them my licensing info TWICE and
make several calls over a 5 week period to pry the mod info from their
fingers. They couldn't just tell me "chop R34" (not the right number,
don't chop it in your radio and expect it to work anymore). If I had had
access to rec.ham-radio, I would have asked here. If I had gotten the
response that the other fellow got, I would have walked away from this
group.

>Even if he simply preferred to ask
> fellow hams for advice, mentioning the above might have made life
> easier.

For whom? He asked a simple question, expecting a simple reply.
Instead he got told "I don't think you should do what you want. I don't
know what you want to do for sure, but it surely must be illegal."

>   The beginning of Part 97 (Basis and Purpose) mentions "self
> policing" as one of the traits of the amateur service. I don't think
> any of us take that to mean playing radio cop with each other. I do
> believe that it obligates us to at least try to keep each other out of
> trouble.

Unfortunatley, we have already decided that what he wants is not
covered by Part 97, so self-policing doesn't apply. This country was
started by people fleeing from situations where their neighbors were just
trying to keep them out of trouble. "You're worshipping the wrong God,
you gotta worship mine or you are in DEEP trouble." In other words,
individual responsibility still exists. I can't blame Yaesu for making
oob operation so simple when the Feds knock on my door. If my neighbor
wants to leave $20 bills on the sidewalk, I can say "are you sure you wanna do
that", but not "I prohibit you from doing that, so I won't even tell you
where the sidewalk is." If he wants to drive 80 MPH in a school zone, I
can't stop him.

This is my signature. It doesn't contain my name at all!

From -5063452047177422655
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,66488f931c4b9610,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 21:13:58 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!cs.utexas.edu!ut-emx!oo7

From: oo7@ut-emx.uucp (Webster Smogpule III)
Newsgroups: rec.ham-radio
Subject: mobile CW
Message-ID: <38460@ut-emx.uucp>
Date: 19 Oct 90 04:13:58 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 74
Posted: Fri Oct 19 05:13:58 1990

randall@informix.com (Randall Rhea) suggests:

>>Fewer families are able to buy a house now than at any time since the
>>Great Depression. This forces most of us to live in an apartment, or at
>>best a condo. Putting up a good antenna for HF is almost impossible in
>>these environments. Even if you can put up an antenna, TVI (and especially
>>VCR-I) is so severe that it's sometimes pointless, unless you want a lynch
>>mob after you.

>>What does this mean? Base station hamming is on the wane. You will notice a
>>large number of mobile HF stations, especially on 10 meters, and I think the
>>trend will continue. CW is not a medium that is suited to mobile operation.

Well, I've seen some weird anti-CW reasoning on this net, but this is a new one on me! I've worked quite a few /M stations on CW, including someone running 50 watts driving to work in Tokyo (egads). I also remember a long CW chat with K5NA who was driving to Florida and was glad to have someone to keep him awake for a while during the drive.

But allow me to come to the opposite conclusion. If you think you are going to cause RFI then you certainly ought to go on CW! It's not quite like using AM, which is decipherable, but even SSB RFI will lead the neighbors to suspect a human at work (or at least a ham), while all those "pops" could be anything. When I was in Israel last year I saw some ham antennas that shared a rooftop with TV antennas (and many of the 4X population watch TV from JY as well as 4X, so this isn't strong-signal stuff), and when I asked some of the hams how they avoid interference they said that (a) they tend to operate late at night, and (b) they use CW a lot.

You want another reason to use CW? If you are interested in working DX (or is that a dirty word around here too?) you have to be very masochistic to do it entirely on SSB. Tonight was a good example - in a short time tuning around the HF bands, I found 3 DX stations that I was interested in working. One of them was in Mongolia, JT1BR on 15m CW, I called him once and worked him. The next was Sri Lanka, 4S7CF on 20m CW, I called him once and worked him (OK, there were others calling both of these guys, maybe 3 or 4 people that I could hear). The third was Narau, C21DX on 10m SSB. The guy was swamped with callers, he had to go by call areas to reduce the crowd. He asked for people from the 3rd call area, many 3s called but lots of 6s, 2s... Some just called and called and called, even while the guy was talking. Others got on frequency and told them to shut up, people called each other names, other people told them to shut up, meanwhile the C2 was working someone but I couldn't hear most of his transmissions. I made a few calls when the guy was listening but even if he'd come back to me I wouldn't have known because of the lids still calling him. Maybe C2 is rarer than JT and/or 4S, but I remember working C21XX on CW when I was the only person calling him, and the latest "most wanted" list I saw had Mongolia among the top hundred countries wanted, but neither of the others.

This is not atypical. There are large phone pile-ups for pretty common DX (there were many more people calling a Uruguay station on phone than there were calling the Sri Lankan and Mongolian on CW combined. There are some fine phone operators but there are many many LID operators on phone who spoil the fun for me a large fraction of the time.

And yes, I know that not everyone likes working DX, but if you do then it is silly to do it on phone all the time unless you like beating yourself over the head for relaxation. I'm getting pretty tired of all the bleating about CW on this net, and the put-downs that result when anyone makes a reasoned argument for using it. I don't feel any need to apologize for liking it, any more than I do for preferring Bach and the harpsichord to rock music. In fact, I don't know why I'm even mentioning the advantages, the more people who find out about them the more crowded the CW sub-bands will get and the more the lids will cruise by to spoil things for us.

I feel much better now.

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From -8864869549236225850
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e599f08bc55dd21d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 23:15:46 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sol.ctr.columbia.edu!caen!sdd.hp.com!usc!apple!uokmax!bateman
From: bateman@nsslsun.gcn.uoknor.edu (Monte Bateman)
Newsgroups: rec.ham-radio
Subject: Re: Course work for Novice Class
Message-ID: <1990Oct19.061546.11441@uokmax.ecn.uoknor.edu>
Date: 19 Oct 90 06:15:46 GMT
References: <9010190310.AA29838@ucsd.edu>
Sender: news@uokmax.ecn.uoknor.edu (Nets)
Organization: National Severe Storms Laboratory
Lines: 19
Posted: Fri Oct 19 07:15:46 1990

This is a subject Near and Dear to my heart. I have helped almost 100 people get their Nov and Tech licenses.

Here's the best suggestion I can give: get the book from the ARRL,

(Proceedings of) _The_ARRL_Nat'l_Educational_Workshop_

It has 25 papers discussing different teaching techniques
(one of which is mine, ahem!). It's available from ARRL for about $10.

I tried to distill what I learned from 5 yrs of teaching into 10 pages.

Hope this helps!

73,
Monte Bateman
WB5RZX @ WB5RZX
bateman @ nsslsun.gcn.uoknor.edu
National Severe Storms Laboratory, Norman, OK! 73069

From 8154009538164690865
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ea875b54552d7e68
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,ea875b54552d7e68
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-18 23:16:34 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!mips!prls!philabs!ttidca!sorgatz
From: sorgatz@ttidca.TTI.COM (Avatar)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: FORUM GUEST
Summary: anti-ARF flame, I can't stand it!
Keywords: Abuses of Amateur Radio, ARF, flame, what-can-the-FCC-do?
Message-ID: <20620@ttidca.TTI.COM>
Date: 19 Oct 90 06:16:34 GMT
References: <1990Oct17.054638.5649@ddsw1.MCS.COM>
Organization: Citicorp/TTI, Santa Monica
Lines: 40
Xref: gmdzi rec.ham-radio:16003 rec.radio.shortwave:2493
Posted: Fri Oct 19 07:16:34 1990

In article <1990Oct17.054638.5649@ddsw1.MCS.COM> arf@ddsw1.MCS.COM (Jack Schmidling) writes:
+ This weeks guest on The Amateur Radio Forum will be

As if the OB were a talkshow host, puffing his latest offing!
(come to think of it, he *IS* as big a jerk as Geraldo!)

+
+ ARFNET: A Network of concerned Americans utilizing
+   computer and ham radio communication links.

Oh bs! It's not a "Network" at all! It's just one guy abusing his license! Jack, do us all a favor, keep your absurd, racist, politicial babble to yourself! No one has the slightest bit of interested in that damn sideshow *you* call a net! You run around blabbing about this garbage, on every group on Usenet, every group so afflicted wishes you'd stop posting or have a stroke or both! I notice your list of supporters is non-existant. You've made most of us here in 'rec.ham-radio' ashamed, the others (the non-hams) at our sites ask us if "all hams are as big a jerks as you are"...The garbage you spew has nothing whatever to do with Amateur Radio! You abuse the privileges that your license provides in a manner that is most disgusting!

Amateur Radio was never intended to provide a platform for hate and politics! Far be it from me to restrict anyone's rights to free speech, even as mindless as your's is, but I *don't* have to listen to it; consider youself a non-entity, I've put you in my kill-file. I'll bet most of the rest will too, if they haven't already. In short Jack, don't write, don't call. BTW I hope the FCC finds a way to take you off the air so that the kids listening to 40 meters don't have a chance of hearing the racist crap that you pump out in the name of free speech, it's poison!

{to the rest of the group: sorry for the flame, back to the discussions!}

```
-Avatar-> (aka: Erik K. Sorgatz) KB6LUY           +-------------------------+
Citicorp(+)TTI                             *----------> panic trap; type = N+1 *
3100 Ocean Park Blvd. Santa Monica, CA  90405     +-------------------------+
{csun,philabs,psivax,pyramid,quad1,rdlvax,retix}!ttidca!sorgatz **
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR ITS MANAGEMENT!)
```

From 2461140894730265945
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8545d3eff0750a1a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 01:39:58 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!agate!ucbvax!PUCC.PRINCETON.EDU!fire%vaxfi.decnet.cern.ch
From: fire%vaxfi.decnet.cern.ch@PUCC.PRINCETON.EDU
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9010190839.AA25151@dxmint.cern.ch>
Date: 19 Oct 90 08:39:58 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1
Posted: Fri Oct 19 09:39:58 1990

Mailing Test. Please excuse...   19.10.90-08.41ut Pierfrancesco Caci

From -726230376268112807
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,48df97fa16e2e619,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 05:59:27 PST
Path: gmdzi!unido!mcsun!uunet!unhd!rg
From: rg@uunet!unhd (Roger Gonzalez)
Newsgroups: rec.ham-radio
Subject: Ok, how do I start
Message-ID: <1990Oct19.125927.1838@uunet!unhd>
Date: 19 Oct 90 12:59:27 GMT
Reply-To: rg@unhd.UUCP (Roger Gonzalez)
Distribution: rec
Organization: Marine Systems Engineering Lab
Lines: 26
Posted: Fri Oct 19 13:59:27 1990

I've been getting more and more interested in the whole amateur radio
thang, but I'm not sure how to proceed. I picked up a copy of CQ (?)
and it was, despite all my engineering intuition, utter gibberish :-)

Are there books on the subject that are widely available?

I looked in the phone book, but was unable to find an a listing for any clubs.
Is the usual procedure to latch onto a mentor for a while? Anyone in the
Portsmouth NH area feeling the need to teach? :-)

I think that I'll be mainly interested in the computational aspect (i.e.
packet BBS, getting weather satellite data, that sort of thing) but then
I've never tried it so I'm open to trying anything.

It was only a matter of time... once I saw the pictures of the equipment
with lotsa dials and das blinkenlights, I was hooked on the idea! :-)

tank ewe

-Roger

--
"The question of whether a computer can think is no more interesting
 than the question of whether a submarine can swim" - Edsgar W. Dijkstra
rg@unhd.unh.edu | UNH Marine Systems Engineering Laboratory
r_gonzalez@unhh.bitnet | Durham, NH 03824-3525

From 3249876142132497161
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 06:18:21 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!ub!rutgers!
bellcore-2!towernet!taichi!whs70
From: whs70@taichi.uucp (24460-W. H. Sohl(4279))
Newsgroups: rec.ham-radio
Subject: Re: Antenna Restrictions
Message-ID: <1990Oct19.131821.5737@towernet.cc.bellcore.com>

Date: 19 Oct 90 13:18:21 GMT
References: <9010082140.AA18619@tilde> <7880314@hpfcdc.HP.COM>
<1990Oct17.204646.19836@informix.com> <4272@altos86.Altos.COM>
Sender: eric@towernet.cc.bellcore.com (Eric Wilson)
Reply-To: whs70@taichi.UUCP (24460-W. H. Sohl)
Organization: Bellcore, Livingston, NJ
Lines: 37
Posted: Fri Oct 19 14:18:21 1990

In article <4272@altos86.Altos.COM> jerry@altos86.UUCP (Jerry Gardner) writes:
>In article <1990Oct17.204646.19836@informix.com> randall@informix.com (Randall Rhea) writes:
>
>>
>>2. Can homeowners associations ban antennas, or place height restrictions
>>on antennas? Can city governments go the same? I assume that height
>>restrictions are OK.
>
>City governments can do the same, however, using PRB-1, these restrictions
>can be overturned or relaxed. Note that PRB-1 doesn't apply to deed
>restrictions.

As both a ham and a city councilman, the above is not quite as simple as that. Antenna restrictions can be instituted by a city/municipality for valid and defendable reasons. An outright ban on ham antennas would likely be viewed as arbitrary and capricious by the courts, BUT a restriction can be justified on the basis of safety and zoning. For example: It doesn't take much effort for a city to defend a height restriction that incorporates verbage to the affect "No antenna shall be installed that if it fell from its base would extend beyond the property line of the owner." Clearly, if I then happen to live on a lot that is 100' by 100', the maximum antenna height I could install would be 50' if I installed it in the exact center of my property. The closer I wanted to locate my antenna to any one property line, the lower the allowable height.

Now you may not agree with this, but a similar "law" is in place in a local municipality (not mine) and will probably not be challenged, and if it is, the challenge will not (IMHO) be won by the ham.

```
------------------------------------------------------------------------
Bill Sohl  K2UNK                || email
Bellcore, Morristown, NJ        ||   UUCP    bcr!taichi!whs70
(Bell Communications Research)  ||    or
201-829-2879 Weekdays           || Internet  whs70@taichi.cc.bellcore.com
------------------------------------------------------------------------
```

From -7379974925579637486
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,6c1c4d7f2d7c3184
X-Google-Attributes: gid114aac,public

X-Google-Thread: 10c9e3,f6225f33561a619a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,6c1c4d7f2d7c3184
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,6c1c4d7f2d7c3184
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-10-19 06:37:22 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!ub!rutgers!bellcore-2!towernet!taichi!whs70
From: whs70@taichi.uucp (24460-W. H. Sohl(4279))
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: privacy, was CBS . . .
Message-ID: <1990Oct19.133722.5918@towernet.cc.bellcore.com>
Date: 19 Oct 90 13:37:22 GMT
References: <291.271DE138@w8grt.fidonet.org>
Sender: eric@towernet.cc.bellcore.com (Eric Wilson)
Reply-To: whs70@taichi.UUCP (24460-W. H. Sohl)
Organization: Bellcore, Livingston, NJ
Lines: 41
Xref: gmdzi rec.radio.shortwave:2472 rec.ham-radio.swap:711 rec.ham-radio.packet:2942 rec.ham-radio:15926
Posted: Fri Oct 19 14:37:22 1990

Jim Grub wrote:
>Aside from the question of whether it's "your" air exclusively, there's the
>question of whether the information content ownership is a separate issue
>from the possession of the signal by which it is transmitted. So far, the
>courts have agreed that it is.
>
>I think swls are going to have to get used to the idea that as radio use for
>such applications increases, the pressure to guarantee privacy is going to
>increase.

Short of banning ANY type of general coverage receiver, I can't see what outcome any pressure would have on the radio listener, be that an swl or simply someone that has a radio. At this point, there must be millions of very broad coverage receivers in the hands of the public (Both regular types and scanners). Are we to expect confiscation? Legislation limiting future receivers/scanners manufactured from being able to receive certain frequency ranges (that's done now with the cellular on scanners, but it's a simple task to modify most of those scanners after ownereship.)?

At some point, if there is a call to restrict receiveing of a multitude of frequency ranges and specific frequencies, it becomes (IMHO) almost impossible to design a cheap scanner/receiver. Note also, the use of the radio spectrum is not static. What you find in a particular frequency range today may not be the same 10 years from now.

So what's it all mean? Again, IMHO, I really doubt that much will happen in the area of prohibiting general coverage

receivers or significantly limiting multiple ranges of
frequency coverage. Having said that, it does remain incumbent on
all of us, hams AND swlers to remain vigilant and sound the
alarm immediately at even the first sign of any such global
restrictions in equipment design being instituted.

```
------------------------------------------------------------------------
Bill Sohl     K2UNK            ||  email
Bellcore, Morristown, NJ       ||   UUCP    bcr!taichi!whs70
(Bell Communications Research) ||    or
201-829-2879 Weekdays          || Internet  whs70@taichi.cc.bellcore.com
------------------------------------------------------------------------
```

From 7317400216542014477
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,25cd10f81cbf75a6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 06:59:57 PST
Path: gmdzi!unido!mcsun!uunet!motcid!reichert
From: reichert@motcid.UUCP (Chuck KD9JQ)
Newsgroups: rec.ham-radio
Subject: Privacy, was CBS
Message-ID: <4446@cocoa46.UUCP>
Date: 19 Oct 90 13:59:57 GMT
Distribution: rec
Organization: Motorola Inc., Cellular Infrastructure Div., Arlington Heights, IL
Lines: 17
Posted: Fri Oct 19 14:59:57 1990

Jim...you wrote

>why would any decent person WANT to
>eavesdrop on the private lives of others?

Probably because it's more interesting then the garbage on TV!

Seriously...What I hear and see in the privacy of my own is no ones' damn
business!   What I may do with it is!

Everyone is missing the point here...Encode the damn transmission and the
privacy issue is mute.

Now if we can get them to clean up their signals and put in shielding
everyone (except maybe the manufacturers) will be happy!

        Chuck KD9JQ

From -1440086405088O3358
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f6225f33561a619a
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-10-19 07:35:57 PST
Path: gmdzi!unido!mcsun!uunet!know!sdd.hp.com!wuarchive!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: privacy, was CBS . . .
Message-ID: <9318@helios.TAMU.EDU>
Date: 19 Oct 90 14:35:57 GMT
References: <9010161525.AA17899@lonex4.radc.af.mil> <35000@cup.portal.com>
Sender: usenet@helios.TAMU.EDU
Organization: Computer Science Department, Texas A&M University
Lines: 25
Posted: Fri Oct 19 15:35:57 1990

In article <35000@cup.portal.com> onymouse@cup.portal.com (John - DeBert) writes:
>>Anybody who would put a transmitter in their house (baby monitors), cordless
>>phones, or use cellular, should realize that they are "transmitting".
>>
> People who are not initiated into the nature of radio find it inconceivable
> that >>ANYONE<< can tune into their cordless phones, et cetera. They seem
> to believe that there is some magical, invisible cable connecting the sets
> together and that it is just like a regular phone wire - only invisible!
>
> How do you educate them - gently?

You don't. They don't want to hear it. They believe what they want
and ignore the rest. I have a brother, well educated, an Engineering
degree, not naive about radio. He has one of those stick it in your
ear and walk around cordless phones. He is also convinced that it
doesn't radiate beyond the confines of his house. He knows what radio
is, but is convinced that the phone was manufactured to protect his
privacy cause the owners manual says so. But then, maybe he is naive.
The point is, even though I can pick up cordless phones from as far
away as 15-20 miles on my 6 meter rig, you still can't convince the average
consumer of that fact.
I have given up trying. But I don't and won't have a cordless phone in
my house.

bill   KB3YV

From -415203477571804269
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2ac267dee9780350,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 08:07:48 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!
ucbvax!D15VS178A.SPACE.SWRI.EDU!ROsman%ASS%SwRI05
From: ROsman%ASS%SwRI05@D15VS178A.SPACE.SWRI.EDU
Newsgroups: rec.ham-radio
Subject: Ref: BAUDOT teletypes need warm new home...
Message-ID: <9010191537.AA02558@ucsd.edu>
Date: 19 Oct 90 15:07:48 GMT
Sender: daemon@ucbvax.BERKELEY.EDU

Organization: The Internet
Lines: 13
Posted: Fri Oct 19 16:07:48 1990

You might consider donating them to one of the following museums:

Museum of Communications (Dallas, TX) [might be deductable]

Southwestern Bell Museum (Dallas, TX) [just try and deduct it!!]

While both of these have a lineup of 14/15/19/26 machines, I'm sure they need parts, cuz their machines _work_. I think SWB might have a museum in Houston, too.

Oz (Rich Osman, WB0HUQ)   INTERNET: Oz@SwRI.edu
(512) 522-5050 (w); (512) 699-1302 (h, merciless machine)
(512) 522-2572 (just the fax)

From -7889900271145710984
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a0fb3004d4eadf5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 08:50:48 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!network.ucsd.edu!dcdwest!plb
From: plb@dcdwest.uucp (Phil Blais)
Newsgroups: rec.ham-radio
Subject: Re: Walter
Message-ID: <1990Oct19.155048.23353@dcdwest.uucp>
Date: 19 Oct 90 15:50:48 GMT
References: <memo.490196@lynx.northeastern.edu>
Organization: ITT Defense Communications Division - West
Lines: 10
Posted: Fri Oct 19 16:50:48 1990

In article <memo.490196@lynx.northeastern.edu> sehrlich@lynx.northeastern.edu writes:
>Anyone know what license class Walter Cronkite holds?

According to the 1990 Callbook he holds a Novice.

--
phil blais N6KXD AMA 12662   ITT   Aerospace Communications Division
dcdwest!plb@ucsd.edu   DEFENSE   10060 Carroll Canyon Road
ucbvax!ucsd!dcdwest!plb   San Diego, CA 92131

From 2403728742l9421545
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f6225f33561a619a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6c1c4d7f2d7c3184

```
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,6c1c4d7f2d7c3184
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,6c1c4d7f2d7c3184
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-10-19 09:02:34 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!nisca.ircc.ohio-state.edu!hpuxa.ircc.ohio-state.edu
From: betz-a@hpuxa.ircc.ohio-state.edu (Andrew L. Betz III)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: privacy, was CBS . . .
Message-ID: <5895@nisca.ircc.ohio-state.edu>
Date: 19 Oct 90 16:02:34 GMT
References: <291.271DE138@w8grt.fidonet.org>
Sender: news@nisca.ircc.ohio-state.edu
Followup-To: rec.radio.shortwave
Organization: The Ohio State University (IRCC)
Lines: 41
Xref: gmdzi rec.radio.shortwave:2469 rec.ham-radio.swap:709 rec.ham-radio.packet:2940 rec.ham-radio:15910
Posted: Fri Oct 19 17:02:34 1990
```

In article <291.271DE138@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

>Moreover, there is the fundamental issue: why would any decent person WANT to
>eavesdrop on the private lives of others?

This is an excellent example of how asking the question will
influence the response. The fundamental issue is NOT whether
decent people want to snoop on others. Rather, its a division
in philosophy between freedom and privacy. On the one hand,
people are generally ignorant about the technology they use.
As I recall, many congressmen were stunned to find out that
anybody with a Radio Shack scanner could listen in on the
cellular conversations. That realization (plus a little
high power bribing -- no *campaign contributions* -- from
the cellular industry) led to the ECPA. On the other hand,
this country has (at least historically) prided itself
on its emphasis on individual freedom. Virtually
unenforcable laws like the ECPA are an attempt to restrict
one's freedom, something that most Americans still
value pretty highly. I like to pick up a copy of Orwell's
_1984_ and reread it every few years. Partly to enjoy it,
but partly to remind me to keep my guard up against
our benvolent government (grin). Freedom is hard to win
and easy to lose; one minor loss leads to another, which
leads to another, and so on.

Drew

```
---------------------------------------------------------------------
Internet   : betz-a@hpuxa.ircc.ohio-state.edu
Bitnet     : TS7080@OHSTMVSA.IRCC.OHIO-STATE.EDU
U.S. Snail : 1283 Woodbrook Lane, Columbus, Ohio 43223-3277
Ham Radio  : WJ8K
Ma Bell    : (614) 272-9813
Comments   : The opinions expressed here are free of charge.
           : Of course, they do not necessarily reflect the public
           : policies of The Ohio State University, Inc. or its
           : subsidiaries.  Reg. Penna. Dept. Agr.
--------------------------------------------------------------------
```

From -2590061396691690933
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2ed271328f32a7a1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 09:11:10 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!ucsd!ucbvax!
XEROX.COM!"Mike_Beezley.Houston"
From: "Mike_Beezley.Houston"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Packet on 6.777mHz
Message-ID: <901019-100410-1510@Xerox>
Date: 19 Oct 90 16:11:10 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 26
Posted: Fri Oct 19 17:11:10 1990

I was listening to HF last night and as I scanned through the 6mHz area the radio stopped on what sounded like packet transmissions. I hooked up my handy-dandy PK-88 and set it for 300 baud and lo and behold packet headers started showing up. The only problem is I don't recognize the calls that I am seeing. I suspect they are MARS transmissions but I'm not sure. Here is an extract:

```
------------------------------------------------------------------------------

17-Oct-90  22:25:49  AFA4PC-1*>AFA4FQ <D>
17-Oct-90  22:25:50  AFA4FQ*>AFA4PC-1 <UA>
17-Oct-90  22:26:05  AFA4FQ*>AFA4PC-1 <DM>
17-Oct-90  22:26:07  AFA4PC-1*>AFA4FQ <D>
17-Oct-90  23:14:45  AFA4PC*>ID <UI>:
MSYS in Huntsville, AR  AFA4PC-1/B AFA4PC-7/N AFA4PC/R
17-Oct-90  23:14:46  AFA4PC*>Mail <UI>:
 NN0FQZ
17-Oct-90  23:15:02  AFA4PC*>ID <UI>:
MSYS in Huntsville, AR  AFA4PC-1/B AFA4PC-7/N AFA4PC/R
17-Oct-90  23:15:02  AFA4PC*>Mail <UI>:
```

---

73 N5PWP@WB5BBW.TX.USA.NA
__mike

```
From -4231576569562335651
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31ab972b4be60ae1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 09:16:31 PST
Path: gmdzi!unido!mcsun!uunet!know!sdd.hp.com!wuarchive!uwm.edu!bionet!agate!
ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: legal identification
Message-ID: <9010191616.AA05272@ucsd.edu>
Date: 19 Oct 90 16:16:31 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 2
Posted: Fri Oct 19 17:16:31 1990
```

A couple of the locals like to ID, at low power, under other people's transmissions, so they can be "legal", but anonymous.

```
From 9097673973830872626
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6c8e1f6178156f62,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 09:21:58 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!
apple!agate!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: Weird splits, etc.
Message-ID: <9010191622.AA05786@ucsd.edu>
Date: 19 Oct 90 16:21:58 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Fri Oct 19 17:21:58 1990
```

Lauren has NEVER come back and said why he wants this split.
I'll bet he's just laughing at the commotion.
Maybe the rigs are going to be used in some country where
type-acceptance is not necessary. Maybe they're going to be used in a
service where type acceptance is not necessary.

Feh, now back to the flames in progress.

From -2175523254206571008
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 09:31:21 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!apple!vsi1!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: Antenna Restrictions
Message-ID: <3014@wyse.wyse.com>
Date: 19 Oct 90 16:31:21 GMT
References: <9010082140.AA18619@tilde> <7880314@hpfcdc.HP.COM>
<1990Oct17.204646.19836@informix.com> <4272@altos86.Altos.COM>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 42
Posted: Fri Oct 19 17:31:21 1990

In article <4272@altos86.Altos.COM> jerry@altos86.UUCP (Jerry Gardner) writes:
>I don't think the FCC has ever preempted TVI ordinances. They did, in
>PRB-1, preempt city antenna ordinances. The order in PRB-1 is
>a limited premption--it didn't declare anything unconstitutional, only
>a court can do that.

Errr..ahhh....yeah they did. Please refer to this month's QST(I think
in the "Happenings" section) for an illustration. An Arizona Appeals
court has upheld a lower court ruling that threw out a nuisance suit
against an amateur for causing TVI. The court held that TVI issues
were exclusively the jurisidiction of the FCC and action by the FCC
was the exclusively remedy to such problems. This has been the
position of the FCC for quite awhile(and this isn't the first such
suit.)

>I suppose there may be apartment complexes and homeowners associations that
>have attempted to ban the use of ham transmitters, but I've never heard
>of any.

Oh there are lots of these....they usually don't go after the transmitter,
it's nominally that unsightly antenna they try to get after...

> some stuff deleted...
>Yes, homeowners associations can, and increasingly often do, ban antennas
>or place height or type restrictions on them. Their authority is a deed
>covenent that runs with the property and is transferred to the new buyer
>if you sell the property.
>
>City governments can do the same, however, using PRB-1, these restrictions
>can be overturned or relaxed. Note that PRB-1 doesn't apply to deed
>restrictions.

All true....note further that PRB-1 isn't going to be sufficient to
completely rid you of antenna restrictions....they just have to be

"reasonable," i.e. they have to allow you to communicate. Several cities have enacted restrictions at say 55' or 65' that hams in the community have helped craft. These are usually reached as a compromise solution.

>Other stuff deleted...

73's de Steve KA6S

From -8507451991919789528
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5b8660cd02ef1cab
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 10:13:57 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: Dipoles
Message-ID: <18230043@hpfcdj.HP.COM>
Date: 19 Oct 90 17:13:57 GMT
References: <4263@altos86.Altos.COM>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 32
Posted: Fri Oct 19 18:13:57 1990

>Anyone know the effect wire insulation has on the length of a resonant
>dipole? I've always used the formula 468/freq to calculate the length
>of bare-wire dipoles. What does the numerator change to if the wire
>is insulated?

In practice, the insulation has very little effect - including it in your calculations wouldn't make enough difference to worry about, as you're still going to have to cut long and trim to resonance. Surrounding structures and height-above-ground affect the final resonant length so much more than wire diameter or insulation that dipoles are always going to be a "cut-and-try" proposition.

Remember, the 468/f formula is a *approximation*; you shouldn't expect it to give you an antenna that is exactly at the right length for your installation. For example, at 7.2 MHz, the formula gives an antenna length of 65 feet. That's almost exactly 95% of half the free-space wavelength, so it's a pretty good "first cut" - but I'd still measure off more like 70 feet of wire (to allow plenty of extra for tying to the insulators, etc.) and then start cutting and watching the meter.

One trick I used for a dipole was back in my Novice days when my parents house was on a lot with two phone poles spaced about 70' apart. (Y'see, the previous owner was a ham who worked for the phone company.) Anyway, I built the dipole and laid it out on the ground, then hauled it up to the tops of the poles via pulleys I'd mounted up there. To trim the antenna (and later, to do any maintenance on the cable, etc.) all I had to do was untie the ropes at the bottom of the poles and lower the whole thing back to the ground.

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
myers@fc.hp.com                          |  sentient life-form on this planet.
```

From 2948359449535305031
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a5a6793dec92c50a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 10:24:29 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!trwind!venice!gay
From: gay@venice.SEDD.TRW.COM (Lance Gay)
Newsgroups: rec.ham-radio
Subject: USA Call Sign Allocation
Message-ID: <879@venice.SEDD.TRW.COM>
Date: 19 Oct 90 17:24:29 GMT
Reply-To: gay@venice.sedd.trw.com (Lance Gay)
Organization: TRW Systems Engineering & Development Division, Redondo Beach, CA
Lines: 39
Posted: Fri Oct 19 18:24:29 1990

Here is the latest call sign allocation scheme from the 1989 FCC rule book:

Group A (Extra)	Group B (Advanced)	Group C (Gen/Tech)	Group D (Novice)
K#$$ *	KA1$$	K#$$$ *	KA#$$$-KZ#$$$
N#$$ *	KB#$$-KS#$$	N#$$$	WA#$$$-WZ#$$$
W#$$ *	NA#$$-NZ#$$	W#$$$ *	
AA#$-AK#$	WA#$$-WZ#$$		
KA#$-KZ#$			
NA#$-NZ#$			
WA#$-WZ#$			
AA#$$-AK#$$			

* = Call signs using these prefixes not currently issued.

Group A notes: The following prefixes will not be assigned to stations in the contiguous 48 states: AH KH NH WH NL AL KL WL KP NP WP AP. Pacific-area stations will be assigned AH#$ KH#$ WH#$, then Group B. Alaska-area stations will get WL7$ KL7$ NL7$ then Group B. Atlantic-area stations will be assigned KP#$ NP#$ WP#$, then Group B.

Group B notes: KA prefixes will be assigend only to persons living in the 1st call district. Other KAs are assigned to US personnel living in Japan. The following prefixes will not be assigned to stations in the contiguous 48 states: KH KL KP NH NP WH WL WP. Pacific-area stations will be assigned calls in the format, AH#$$, Alaska-area stations, AL7$$, and Atlantic-area stations, KP#$$. Once Group B calls are used up, Group C calls will be issued.

Group C notes: Pacific area stations will be assigned KH#$$ NH#$$ WH#$$ in that order, Alaska-area stations KL7$$ NL7$$ WL7$$; Atlantic-area stations NP#$$ WP#$$. After these are depleted, Group D will be used.

Group D notes: The following call sign formats will not be assigend to stations in the contiguous 48 states: KH#$$$ KL#$$$ KP#$$$ WC#$$$ WH#$$$ WK#$$$ WL#$$$ WM#$$$ WP#$$$ WR#$$$ WT#$$$. Pacific-area stations will be assigned KH#$$$ WH#$$$; Alaska-area stations will be assigend KL7$$$ WL7$$$; Atlantic-area stations KP#$$$ WP#$$$.

Lance J. Gay (N6BKQ)   Internet: gay@venice.sedd.trw.com
TRW Systems Engineering & Development Div.   Phone: 213-764-9292
Redondo Beach, CA 90278

From 6149115488604860369
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,329f8c619ddc863b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 10:24:39 PST
Path: gmdzi!unido!mcsun!uunet!know!sdd.hp.com!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!agate!ucbvax!SATURN.ACC.COM!jhk
From: jhk@SATURN.ACC.COM (John H. Klingelhoeffer)
Newsgroups: rec.ham-radio
Subject: HW-100 fileter   ters
Message-ID: <9010191724.AA03727@saturn.acc.com>
Date: 19 Oct 90 17:24:39 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 51
Posted: Fri Oct 19 18:24:39 1990

Hi Wally;

I'd suggest using the 400 hertz fileter   ter. I had a n HW-100 from 1969 through 1983 and had updated it with all of the mods of the HW-101, which came out later (I worked for Heath for a while, so it made it easy!). The 400 hertz filter gave a really "peaked" response and also rang a bit as any filter this narrow normally does. Unfortunately, the original design of the 100/101 set up the rat dio to transmit 1000 Hertz away from the receive freu quency, so the peak on the 400 hertz filet ter was set up at an audio tone of 1000 hertz. I changed mine to a more m pleasant 700 hertz by chag nging (I think) the CW BFO crystal up or down 300 hertz.

By the way, the 101 had a switch to go from the ssb to cw filet ter that was an add-on to the 100. It fit in back of either the RF or AF gain know b , and was a mechanix cal lash up to throw two cheapie slide switches to select the appropriate filter.. You might want to see if you could borrow a 101 manual, get the parts numbers, and call he Heath for   parts department to see if they still have it in stock (the parts for it, that is; I don't think it was an assembly). I'd also check for availability of the 400 hz filter, which is f available is probably cheaper than the Fox-Tango. Also, there is not any reason that would prohibit you from mounting two small relays (SPDT) in the vicinity of the filters underneath the chassis, and putting a SPST toggle w switch to activate them on thr e front panel. I do not suggest using one DPDT th relay, because you really want to isolate the input and output of the file ter by 60 db or better for best performance. The impedance here is 2000 ohms, so keep the leads short. Otherwise, at 3395 khz, the wiring is not all that critical.

Good luck on your project.

John, WB4LNM

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+--------------------------------------------------------------------------+
|                          ** DISCLAIMER **                                |
| All of these wonderful ideas and superb comments are not necessarily     |
| the opinion of my employer, nor would I necessarily want them to be.     |
|                              So there.                                   |
+-----------------------------------------+--------------------------------+
|                                         |                                |
| John H. Klingelhoeffer                  |      THIS SPACE FOR RENT       |
| Director, Government Special Operations |                                |
| Advanced Computer Communications        +--------------------------------+
| Systems Division                        | Voice: 301-290-8100            |
| 10220 Old Columbia Road                 | Fax:   301-290-8106            |
| Columbia, Maryland  USA   21046-1725    | Radio: 224.56/147.135 WB4LNM   |
|                                         | Internet: jhk@saturn.acc.com   |
+-----------------------------------------+--------------------------------+
```

From -3871998118431794633
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,962e08cd6f381
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 10:55:16 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!zaphod.mps.ohio-state.edu!ncar!asuvax!anasaz!qip!rusty
From: rusty@qip.UUCP (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: CBS news irresponsible
Message-ID: <5124@qip.UUCP>
Date: 19 Oct 90 17:55:16 GMT
References: <27190@<265> <30500796@ux1.cso.uiuc.edu>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 24
Posted: Fri Oct 19 18:55:16 1990

In article <30500796@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>
>There have been a few cases where I get to see the media deal with an
>issue I know a lot about. ABSOLUTELY EVERY time, they got things wrong
>and/or out of context.

This has been my experience (2 times) also.

>From that day on, I have always questioned what I read, hear, or see, in
>the media.

I tended to question the media prior to my experience, now I *know* that
almost anything you see will be heavily biased. Even if it *looks* obvious,
don't believe it.

Rusty

--
+++ 73 de N7IKQ +++
Rusty Carruth   {ames!ncar!noao!asuvax,mcdphx}!anasaz!rusty
P.O. Box 27001, Tempe, AZ 85285   anasaz!rusty@asuvax.eas.asu.edu
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz
The Ham Callsign Project, part 3 (the 1990 version) - its HERE! Email for info

From 7888481682349792764
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79d7c95ed0ec93aa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 10:58:39 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!
elroy.jpl.nasa.gov!aero!obrien
From: obrien@aero.aero.org (Michael O'Brien)
Newsgroups: rec.ham-radio
Subject: Re: CW Filters
Keywords: heath cw hw-100
Message-ID: <89059@aerospace.AERO.ORG>
Date: 19 Oct 90 17:58:39 GMT
References: <1990Oct16.133310.1130@cbnews.att.com> <12890@crdgw1.crd.ge.com>
Sender: news@aerospace.aero.org
Reply-To: obrien@aero.aero.org (Michael O'Brien)
Organization: The Aerospace Corporation
Lines: 38
Posted: Fri Oct 19 18:58:39 1990

In article <12890@crdgw1.crd.ge.com>, perley@caesar.crd.ge.com (Donald P
Perley) writes:
|> In article <1990Oct16.133310.1130@cbnews.att.com> wrb@cbnews.att.com
(Wallace R. Blackburn) writes:
|> >I've found filters available from Fox-Tango and I think I
|> >want to get one. My question is this: they have 400 Hz and 250 Hz filters
|> >- do I want the tighter one, or are there tradeoffs between tighter filters
|> >and wider ones (i.e. is it difficult to tune, etc.)
|>
|> One consideration is that the HW100 doesn't let you run split
|> frequency at all. If you send CQ and the other guy calls back outside
|> your narrow passband, you can't retune to copy him without changing
|> your transmit frequency as well.

|>
|> Other than that, if I had to choose between 400 and 250, I would take 400
|> for ease of tuning, especially since you don't have the ssb width filter
|> to fall back on.

Yes, tuning is one consideration. I just got a used TS-440S that has
Fox-Tango filters in it (the guy who owned it wanted REALLY good filters).
Fox-Tango filters have much higher Q and steeper skirts than the standard
Kenwood filters, and this guy wanted the steepest skirts he could get.
He got 'em. He also got filters so good that they're subject to ringing
if the incoming signal's too wide. Therefore, you really want a wider
filter. At 250 Hz a clean CW signal will just about fill the passband,
and it might sound awfully peculiar.

Of course, if it DOES work right, and if you can tune the radio with
the filter switched off, you may have better copy from the 250Hz filter.

I'd say your best bet is to try to get some time on a radio that's got such
a filter, and see what it sounds like. Those narrow filters sound awful damn
strange, but if you can get past that you may actually find that you
like it.
--
Mike O'Brien, KC6OJW/AA
obrien@aerospace.aero.org

From 758391675689785423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5bf368b834cbdc71
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 11:02:07 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!ncar!asuvax!anasaz!qip!rusty
From: rusty@qip.UUCP (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: Callsign Project Part 3
Keywords: callsign project folks
Message-ID: <5125@qip.UUCP>
Date: 19 Oct 90 18:02:07 GMT
References: <5117@qip.UUCP>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 18
Posted: Fri Oct 19 19:02:07 1990
X-Joke: Sounds a lot like "halloween Part 3", eh? :-)

In article <5117@qip.UUCP> rusty@qip.UUCP (Thats me) writes:
>
<Lots of stuff>
>
Oh, I forgot. I'll insure the return package only if you tell me to.
Other than the current hold on Sun cartridges, the chinese menu is
still pretty much the same as last year. I hope to be able to
write sun-compatible cartridges as well as NCR-compatible cartridges

RSN, but it will probably happen after the majority of 9-tracks have gone out....

--
+++ 73 de N7IKQ +++
Rusty Carruth   {ames!ncar!noao!asuvax,mcdphx}!anasaz!rusty
P.O. Box 27001, Tempe, AZ 85285   anasaz!rusty@asuvax.eas.asu.edu
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz
The Ham Callsign Project, part 3 (the 1990 version) - its HERE! Email for info

From -8397428788623644798
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,962e08cd6f381
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 12:00:34 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!pikes!mercury.cair.du.edu!isis!whester
From: whester@isis.cs.du.edu (William R. Hester)
Newsgroups: rec.ham-radio
Subject: Re: CBS news irresponsible
Message-ID: <1990Oct19.190034.13793@isis.cs.du.edu>
Date: 19 Oct 90 19:00:34 GMT
References: <12493@chaph.usc.edu> <7500034@hpfcso.HP.COM> <5058@qip.UUCP>
Reply-To: whester@isis.UUCP (William R. Hester)
Organization: Math/CS, University of Denver
Lines: 56
Posted: Fri Oct 19 20:00:34 1990

In article <5058@qip.UUCP> john@qip.UUCP (John Moore) writes:

>
>One very large local municipality (that shall remain nameless :-) is
>moving a lot of traffic to trunked circuits that scanners cannot
>handle very well. They are then supplying the media (NOT the public!)
>with trunking radios programmed to monitor just those trunk groups
>that the city thinks the media should listen to.
>
>Trunking and low cost DES scrambling is going to really hurt those
>of us who like to monitor police and fire.
>

Text edited.....

In Denver, the old individual radio systems of each agency are being replaced with a new, shared, trunking system...

All the police, fire, parks, trash, water, etc., will be using one

40 channel system...with computer controlled dynamic channel allocation. This means it will be very difficult to follow a thread of a conversation as the conversation will keep jumping to a new channel every time one party unkeys and the other keys up. Part of the justification is to make it real hard for our crack dealers to monitor the police with the $89.00 scanners. There is also the option on the trunking system for various types of encoding or scrambling.

As mentioned above, the city is providing units to the major TV and radio stations...as well as the vultures (tow trucks). There have been a couple of instances where a TV helicopter has really helped nab some criminal or helped find someone lost...so they have justified their need to the city administration.

--
Bill Hester, Ham Radio N0LAJ, Denver CO., USA
Please route replies to: whester@isis.cs.du.edu or uunet!isis!whester
Public Access Unix @ University of Denver, Denver Colorado USA
(no official affiliation with the above university)

```
From 3709657242054182214
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f387812138f968a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 12:19:11 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: CBS REPORT
Summary: Walt
Message-ID: <408@ssc.UUCP>
Date: 19 Oct 90 19:19:11 GMT
References: <9010131959.AA25077@ucsd.edu> <30500787@ux1.cso.uiuc.edu>
Organization: very little
Lines: 20
Posted: Fri Oct 19 20:19:11 1990
```

In article <30500787@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:

>
> > I will be writing CBS to express my views and I hope that many others
> > will write them
>
> Send a copy to Walter Cronkite as well.

Uhhhhh....didn't Walt retire from CBS a LONG time ago??!?

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

```
From 8843124337082965168
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,962e08cd6f381
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,962e08cd6f381
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,8fe9c7ec76a10335
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,8fe9c7ec76a10335
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-10-19 12:59:20 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!bu.edu!rpi!zaphod.mps.ohio-
state.edu!sdd.hp.com!elroy.jpl.nasa.gov!ames!uhccux!uhunix1.uhcc.Hawaii.Edu!johns
From: johns@uhunix1.uhcc.Hawaii.Edu (John P. Shalamskas)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-
radio
Subject: Re: Laws against scanners
Message-ID: <9949@uhccux.uhcc.Hawaii.Edu>
Date: 19 Oct 90 19:59:20 GMT
References: <293.271DE149@w8grt.fidonet.org>
Sender: news@uhccux.uhcc.Hawaii.Edu
Followup-To: rec.radio.shortwave
Organization: University of Hawaii
Lines: 4
Xref: gmdzi rec.radio.shortwave:2581 rec.ham-radio.swap:743 rec.ham-
radio.packet:2985 rec.ham-radio:16387
Posted: Fri Oct 19 20:59:20 1990
```

It seems to me that if someone broadcasts their private life, either by voice (yelling) or by electronic means (PA system, radio waves) then they have no right to complain when others "listen in".   It's rude to expect others to turn a deaf ear to your excessively boisterous lifestyle, eh.

From 2185105783782411558
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fb9eed3d748ca05c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,fb9eed3d748ca05c,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-19 13:02:26 PST
Path: gmdzi!unido!mcsun!uunet!zaphod.mps.ohio-state.edu!mips!prls!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: fake commercial station Calls
Message-ID: <110458@philabs.Philips.Com>
Date: 19 Oct 90 20:02:26 GMT
Sender: news@philabs.Philips.Com
Reply-To: rfc@briar.philips.com.UUCP (Robert Casey)
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 8
Xref: gmdzi rec.ham-radio:16004 rec.radio.shortwave:2494
Posted: Fri Oct 19 21:02:26 1990

Heard a commercial on the radio for Coors beer. In this commercial, you hear
a fake DJ and fake jingles for radio station "HOWL". (Coors is advertising
beer for Halloween parties). Just curious what country radio station HOWL
would exist.

```
----------------------------------------------------------------------------
  __/\/\__
     o o     My job is so secret, even I don't know what I'm doing!
      -
```

From -7000259309314725273
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5f13d26fb45648de
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 13:09:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!uunet!motcid!svec
From: svec@motcid.UUCP (Larry Svec)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TR2600 Frequency limit modification.
Message-ID: <4867@feldspar2.UUCP>
Date: 19 Oct 90 20:09:27 GMT
References: <9010190310.AA29827@ucsd.edu>
Organization: Motorola Inc., Cellular Infrastructure Div., Arlington Heights, IL
Lines: 31
Posted: Fri Oct 19 21:09:27 1990

I once heard someone claiming on the air that he modified his TR2600A
to receive the 162.55 weather band. He also alleged (never saw it confirmed)
that he hacked the Digital Coded Squelch modem (which he and I have
never used yet for true DCS) to detect the single warning tone

sent out by the weather service and to keep the radio quiet (as
DCS does) until it hears the weather alert tone on 162.4, .475 or .55
In any case, I tried for months to pry it out of him how he did it all,
sent him enlarged-xerox schematics with return address/postage
envelopes etc. etc. but he never came through. I personally never
saw it in operation but a friend of mine did.
I too would be interested in at least opening it up to 162.55 receive.
One thing I did do in frustration one night was to go into the
diode matrix of 3 or 4 diodes that I know affect ranges of TX/RX
and tried every permutation of them connected or disconnected
(8 or 16 of them) resetting the microprocessor
every time in between to see what it would do to the radio. I got
such results as: Turned it into a European version (TX/RX 144-146)
Made it TX/RX 140-160, made it stock-american (RX 140-160, TX 144-148)
and several combinations caused other unusual limitations, generally
a subset of TX/RX but always between 140-159.995 (where I said 160
I really mean 159.995).
If anyone else figures out how to extend this radio's RECEIVE to 163,
I certainly would like to know (and the net I am sure would like to know
so they can discuss the illegality of opening the transmit to 163 so one
can do their own illegal weather forcasts on 162.55 (just kidding)).

--
Larry Svec - KD9OF (good in 1987 or newer callbooks)
home: 708-526-1256 e-mail: uunet!motcid!svecl
work: 708-632-5259 fax: 708-632-2413, -3741
"I know everything... even some things that are true!"

From 4672384432433168978
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a5b3e6ee9cb98742,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 13:19:44 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!CRDEC7.APGEA.ARMY.MIL!wejones
From: wejones@CRDEC7.APGEA.ARMY.MIL ("William E. Jones III")
Newsgroups: rec.ham-radio
Subject: ??What happened to NASA Sat data??
Message-ID: <9010191619.aa22380@crdec7.apgea.army.mil>
Date: 19 Oct 90 20:19:44 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Fri Oct 19 21:19:44 1990

It has been quite a while since I have seen the NASA style
satellite orbital elements posted. Are they no longer available?
Is there an FTP site where this data is available? A logical
source would be the ames.nasa.gov site which supplies near daily
updates on other launch information, but it doesn't appear there.
You would think that as important public image seems to be to NASA
that they would provide such information as a public service to

those who enjoy tracking the birds.

Also, does anyone know of an up to date source of the frequencies used by the various satellites? I have a book with an extensive list, but most of the birds listed are no longer active.

From 1360780240504769336
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 13:26:10 PST
Path: gmdzi!unido!mcsun!uunet!know!sdd.hp.com!usc!ucsd!dog.ee.lbl.gov!
bevb.bev.lbl.gov!biocca
From: biocca@bevb.bev.lbl.gov (Alan Biocca)
Newsgroups: rec.ham-radio
Subject: Re: Antenna Restrictions
Message-ID: <7680@dog.ee.lbl.gov>
Date: 19 Oct 90 20:26:10 GMT
References: <9010082140.AA18619@tilde> <7880314@hpfcdc.HP.COM>
<1990Oct17.204646.19836@informix.com> <4272@altos86.Altos.COM>
<1990Oct19.131821.5737@towernet.cc.bellcore.com>
Sender: usenet@dog.ee.lbl.gov
Reply-To: biocca@bevb.bev.lbl.gov (Alan Biocca)
Organization: Lawrence Berkeley Laboratory, Berkeley
Lines: 49
Posted: Fri Oct 19 21:26:10 1990
X-Local-Date: Fri, 19 Oct 90 13:26:10 PDT

In article <1990Oct19.131821.5737@towernet.cc.bellcore.com> whs70@taichi.UUCP (24460-W. H. Sohl) writes:
>In article <4272@altos86.Altos.COM> jerry@altos86.UUCP (Jerry Gardner) writes:
>>In article <1990Oct17.204646.19836@informix.com> randall@informix.com (Randall Rhea) writes:

>>>2. Can homeowners associations ban antennas, or place height restrictions
>>>on antennas? Can city governments go the same? I assume that height
>>>restrictions are OK.

>>City governments can do the same, however, using PRB-1, these restrictions
>>can be overturned or relaxed. Note that PRB-1 doesn't apply to deed
>>restrictions.

>As both a ham and a city councilman, the above is not quite as
>simple as that. Antenna restrictions can be instituted by a
>city/municipality for valid and defendable reasons. An outright
>ban on ham antennas would likely be viewed as arbitrary and capricious
>by the courts, BUT a restriction can be justified on the basis of
>safety and zoning. For example: It doesn't take much effort for
>a city to defend a height restriction that incorporates verbage
>to the affect "No antenna shall be installed that if it fell
>from its base would extend beyond the property line of the owner."

>Clearly, if I then happen to live on a lot that is 100' by 100',
>the maximum antenna height I could install would be 50' if I
>installed it in the exact center of my property. The closer I
>wanted to locate my antenna to any one property line, the lower the
>allowable height.

The allowable height in the above example would probably be more like 30 feet because you have to add the half-diagonal dimension of the beam to the tower height to obtain the worst-case reach (if the beam and tower fall flat).

>Now you may not agree with this, but a similar "law" is in place in a
>local municipality (not mine) and will probably not be challenged,
>and if it is, the challenge will not (IMHO) be won by the ham.

It is unfortunate that regulations like this must exist -- There are no "absolute" guarantees of safety in life. If extended, this would make it difficult to build fences -- by definition their height would be limited to zero when placed directly on the property line. I'd bet that a ham with enough money could beat that regulation.

The regulations regarding tower height limits would be much easier to defend in court if they were reasonable -- eg the owner of the tower high enough to present a danger to his neighbors property should have the design engineered and carry insurance in case of incident.

Alan K Biocca
WB6ZQZ

From -7606100689682087105
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f6225f33561a619a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,6c1c4d7f2d7c3184
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 114aac,6c1c4d7f2d7c3184
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,6c1c4d7f2d7c3184
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-10-19 13:47:15 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!rutgers!cunixf.cc.columbia.edu!cunixa.cc.columbia.edu!cy5
From: cy5@cunixa.cc.columbia.edu (Conway Yee)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: privacy, was CBS . . .
Message-ID: <1990Oct19.204715.8219@cunixf.cc.columbia.edu>
Date: 19 Oct 90 20:47:15 GMT
References: <291.271DE138@w8grt.fidonet.org>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Organization: Columbia University
Lines: 11

Xref: gmdzi rec.radio.shortwave:2473 rec.ham-radio.swap:712 rec.ham-radio.packet:2943 rec.ham-radio:15934
Posted: Fri Oct 19 21:47:15 1990

In article <291.271DE138@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>
>Moreover, there is the fundamental issue: why would any decent person WANT to
>eavesdrop on the private lives of others?

Just ask the CIA, FBI and especially the NSA.

```
                       Conway Yee, N2JWQ
yee@ming.mipg.upenn.edu    (preferred)             231 S. Melville St.
cy5@cunixa.cc.columbia.edu (forwarded to above)    Philadelphia, Pa 19139
yee@bnlx26.nsls.bnl.gov    (rarely checked)        (215) 386-1312
```

From 6420337762186O4760
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5f8171fc14c4c283,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 14:19:03 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!wums2!peon
From: peon@wums2.wustl.edu
Newsgroups: rec.ham-radio
Subject: 12 volt DC for Kenwood 530s mod(looking for one)
Message-ID: <4038.271f2778@wums2.wustl.edu>
Date: 19 Oct 90 21:19:03 GMT
Lines: 11
Posted: Fri Oct 19 22:19:03 1990

I am looking for a simple modification to run my Kenwood 530s on 12v DC.
I have a couple of bulldozer batteries sitting around and thought it would
be practical to have emergency power around. Any other modifications for
this rig I would appreciate also.

73,
Jeff KB0GTU
email   fineberg@wums2.wustl.edu

--
I have a signature file too!   Peon@wums2.wustl.edu
But don't send me mail here!

From 1519400533209839302
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac8994329992a064
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 14:23:26 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!usc!chaph.usc.edu!aludra.usc.edu!kjh
From: kjh@aludra.usc.edu (Kenneth J. Hendrickson)

Newsgroups: rec.ham-radio
Subject: Re: deed restrictions
Summary: microwave on coax
Message-ID: <12637@chaph.usc.edu>
Date: 19 Oct 90 21:23:26 GMT
References: <11088@hacgate.UUCP> <30500780@ux1.cso.uiuc.edu>
Sender: news@chaph.usc.edu
Organization: EE-Systems, USC, Los Angeles
Lines: 8
Posted: Fri Oct 19 22:23:26 1990
Nntp-Posting-Host: aludra.usc.edu

In article <30500780@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>Then some frequencies are just not practical on any coax, period.
>Try getting on 10 GHz and see what I mean.
>--Phil Howard, KA9WGN--

I use coax on X-band a lot. It is that really small "hardline", with
SMA connectors. There are a couple of sizes of the semi-rigid stuff; I
don't have the RG numbers, because I've gotten all of mine at swaps.

From -775806200136529916
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31ab972b4be60ae1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 15:23:21 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!matt.ksu.ksu.edu!steve
From: steve@matt.ksu.ksu.edu (Steve Schallehn)
Newsgroups: rec.ham-radio
Subject: Re: legal identification
Message-ID: <1990Oct19.222321.27070@maverick.ksu.ksu.edu>
Date: 19 Oct 90 22:23:21 GMT
References: <9010191616.AA05272@ucsd.edu>
Sender: news@maverick.ksu.ksu.edu (The News Guru)
Organization: Kansas State University
Lines: 7
Posted: Fri Oct 19 23:23:21 1990

Another issue about 'identification' is loss of power because your
HT battery dies in the middle of a QSO. Obviously, there is nothing
you can do about it!

-Steve Schallehn, KB0AGD
 Kansas State University ARC

From -5071620466528078529
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79d7c95ed0ec93aa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 16:55:51 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!mips!twg.com!obelix!sawyer

From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: Re: CW Filters
Keywords: heath cw hw-100
Message-ID: <8128@gollum.twg.com>
Date: 19 Oct 90 23:55:51 GMT
References: <1990Oct16.133310.1130@cbnews.att.com>
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 30
Posted: Sat Oct 20 00:55:51 1990

In article <1990Oct16.133310.1130@cbnews.att.com> wrb@cbnews.att.com (Wallace R. Blackburn) writes:

>I have a Heathkit HW-100 that I use almost exclusively for CW (yeah, yeah I know). I picked it up used (no kiddin') and it has the SSB (2100 Hz) filter in it. I've found filters available from Fox-Tango and I think I want to get one. My question is this: they have 400 Hz and 250 Hz filters - do I want the tighter one, or are there tradeoffs between tighter filters and wider ones (i.e. is it difficult to tune, etc.) There is no provision for switching between two filters, so unless I rig something up, I will be stuck with whatever is in there.
>

Ugh! What a choice! I think you're going to want to go for the "rig something up" option. I have a choice of 2400Hz, 500Hz, and 250Hz. The "no filter" option is, as I'm sure you're aware, good for absolutely nothing. If I had to live with only one of 500Hz or 250Hz, I'd probably take the 500Hz. With a bandwidth that wide, you can tune and find the guy. It's OK up until you get into contests or a pileup, and then it gets pretty rugged trying to pick out the one signal you're listening to out of the thousands that creep through that 500Hz hole. With 250Hz you cut the window down significantly, but I've found it extremely difficult to tune with my 250Hz filter on. I will take a guess that your 400Hz choice will be the one you want. HOWEVER, this all depends on how wide the filter skirts are. For a while, I operated my rig (an Icom 761) with a 250Hz filter in the second IF only. That was tunable, since the skirts of the filter were not exceptionally steep. But when I added a first IF filter, the skirts became much sharper and it became a lot harder to tune. Even tuning very slowly, I go right over weak stations and never even hear them. Go into your nearest dealer and play with an Icom 781 (which has the 250 Hz filters built in, rather than as an option like the lower-priced stuff). That will give you a feel for tuning with steep 250Hz filter skirts.

AA6KX

From 7733482443950961186
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db96dcdd679c4e46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 17:15:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil

From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V90 #296
Message-ID: <30500807@ux1.cso.uiuc.edu>
Date: 20 Oct 90 00:15:00 GMT
References: <9010101401.AA12556@ucsd.edu>
Lines: 28
Nf-ID: #R:<9010101401.AA12556@ucsd.edu>:-29:ux1.cso.uiuc.edu:30500807:000:1471
Nf-From: ux1.cso.uiuc.edu!phil   Oct 19 19:15:00 1990
Posted: Sat Oct 20 01:15:00 1990

> If he ain't under Part 97, why all the quotes from it? In fact, no oob
> operation is covered by 97. Part 97 says what freqs you MAY use, not what
> you are prohibited from using. Anything oob is covered by other regs.

I disagree. Go ahead and transmit out of band and see WHICH FCC regulation you will be charged with violating? They will probably charge you with several, but 97.301 will be one of them.

> Unfortunatley, we have already decided that what he wants is not
> covered by Part 97, so self-policing doesn't apply. This country was
> started by people fleeing from situations where their neighbors were just
> trying to keep them out of trouble. "You're worshipping the wrong God,
> you gotta worship mine or you are in DEEP trouble." In other words,
> individual responsibility still exists. I can't blame Yaesu for making
> oob operation so simple when the Feds knock on my door. If my neighbor
> wants to leave $20 bills on the sidewalk, I can say "are you sure you wanna d
> that", but not "I prohibit you from doing that, so I won't even tell you
> where the sidewalk is." If he wants to drive 80 MPH in a school zone, I
> can't stop him.

Who decided that *WE* have already decided that.

We seem to agree on the issue, but have come to the same conclusing by different means. Strange.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 5006136903392565668
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac8994329992a064
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 17:17:00 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!uwm.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: deed restrictions
Message-ID: <30500808@ux1.cso.uiuc.edu>
Date: 20 Oct 90 00:17:00 GMT

References: <11088@hacgate.UUCP>
Lines: 8
Nf-ID: #R:hacgate.UUCP:11088:ux1.cso.uiuc.edu:30500808:000:327
Nf-From: ux1.cso.uiuc.edu!phil   Oct 19 19:17:00 1990
Posted: Sat Oct 20 01:17:00 1990

And what is the 100 foot loss for that coax at 10 GHz?
I bet it's not good enough to make a run up the side of
the tower. It should be fine for interconnecting
components.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 1509976920559098973
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e0968a390f58b0e6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,e0968a390f58b0e6,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-10-19 17:23:03 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!rutgers!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: * SpaceNews 22-Oct-90 *
Keywords: Space Probes, Spots on Saturn
Message-ID: <356@ka2qhd.UUCP>
Date: 20 Oct 90 00:23:03 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 103
Xref: gmdzi rec.ham-radio:16027 sci.space:16931
Posted: Sat Oct 20 01:23:03 1990

SB SPACE @ ALLBBS < KD2BD $SPC1022
* SpaceNews 22-Oct-90 *

Bulletin ID: $SPC1022

=========
SpaceNews
=========

MONDAY OCTOBER 22, 1990

SpaceNews originates at KD2BD in Wall Township, New Jersey, United States.
It is published every week and is made available for unlimited distribution.

* ULYSSES NEWS *

Flight controllers began turning on Ulysses's nine science instruments on Friday. All onboard systems are operating normally. The second of two Trajectory Maneuvers is scheduled for 02-Nov-90, and will make final adjustments in the spacecraft's flight path on its way to Jupiter encounter in February 1992. Ulysses was deployed by recent U.S. Space Shuttle mission STS-41 on a five-year mission to study the Sun's poles and interstellar space beyond the poles as well as study the planet Jupiter.

* PIONEER 11 NEWS *

A spacecraft emergency exists on Pioneer 11. Downlink signals from Pioneer 11 have become variable in strength. The problem could be caused by a problem in a driver amplifier in the satellite's transmitter. Downlink received by the 70 meter antenna in Australia is in low noise configuration, and the receivers are locking up for 3 to 4 second intervals. On Tuesday, commands were sent to the spacecraft using 70 meter antennas in Spain and Goldstone along with 400 kw transmitters. Receiver lock with the 70 meter antenna in Spain remained intermittent and no telemetry was received.

* GALILEO NEWS *

Galileo's 1200 bps high rate engineering telemetry data was successfully received and processed last week using both 70 meter antennas in Goldstone and Australia. Spacecraft performance continues to be excellent.

* HUBBLE NEWS *

The Hubble Space Telescope will be used to study a very large storm which has suddenly developed in Saturn's atmosphere. The Washington Times reported that an oval-shaped white spot, one and one-half times as wide as the Earth, has formed in Saturn's cloud belt. Reta Beebe at New Mexico State University reported that two smaller white spots have developed along with the huge oval spot and that the three spots together cover nearly one third of Saturn's surface.

* TNX QSL! *

A special thanks to all those who sent QSLs, cards and letters to SpaceNews:

KJ7H : Al DeVore, Gold Beach, Oregon, U.S.A.
WV6V : Steve Hawkins, Castro Valley, California, U.S.A.
AL7FS : Jim Larsen, Anchorage, Alaska, U.S.A.
F1HUJ : Raynier Di Lenarda, Antibes, France
KE7GH : Brian Short, Tempe, Arizona, U.S.A.
KA3VVH: Bob Frantz, Quakertown, Pennsylvania, U.S.A.

...and packet radio messages:

NJ1H : Bill in Nashua, New Hampshire, U.S.A.
N3GHE : Russ Behne, Oxon Hill, Maryland, U.S.A.
HB9CWP: Rolf in Switzerland
VE7HAQ: Al Quenneville, Victoria, British Columbia, Canada

* FEEDBACK WELCOMED *
=====================
Feedback regarding SpaceNews can be directed to the editor (John) via any
of the following paths:

UUCP   : ...!uunet!masscomp!catfish!ka2qhd!kd2bd
AMPR   : KD2BD @ NN2Z.NJ.USA.NA

MAIL   : John A. Magliacane
         Department of Electronics Technology
         Advanced Technology Center
         Brookdale Community College
         765 Newman Springs Road
         Lincroft, New Jersey 07738
         U.S.A.

<< If you like what you see, send us your QSL card! >>

/EX
--
```
John A. Magliacane                  FAX  : (908) 747-7107
Electronics Technology Department  AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College        UUCP : ..!uunet!masscomp!ocpt!ka2qhd!kd2bd
Lincroft, NJ  07738  USA           VOICE: (908) 842-1900 ext 607
```

From -1980324506355687653
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca33c43f450966c6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 17:27:28 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Flaming newbies and public service radios
Message-ID: <7880326@hpfcdc.HP.COM>
Date: 20 Oct 90 00:27:28 GMT
References: <98.2716BD44@rochgte.FIDONET.ORG>
Organization: HP Fort Collins, Co.
Lines: 11
Posted: Sat Oct 20 01:27:28 1990

> ...fire departments and ambulance crews deal with emergencies all the
> time... Does that mean they can routinely use ham frequencies...

Of course not. They have frequencies allocated for the purpose. The two situations -- EMT on ham freqs, ham on emergency freqs -- are not symmetrical.

Now if an EMT needed to use a ham freq for some reason while dealing with a "routine emergency", I'd be all for it. The emergency might be routine (for the EMT), but his/her use of ham freqs would not be -- and it would be justified in a bona fide emergency.

From 7707495038767964532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,962e08cd6f381
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 17:34:00 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: CBS news irresponsible
Message-ID: <30500809@ux1.cso.uiuc.edu>
Date: 20 Oct 90 00:34:00 GMT
References: <27190@<265>
Lines: 65
Nf-ID: #R:<265:27190:ux1.cso.uiuc.edu:30500809:000:3481
Nf-From: ux1.cso.uiuc.edu!phil   Oct 19 19:34:00 1990
Posted: Sat Oct 20 01:34:00 1990

> Your response is that of a well educated young engineer. That by itself does not make it wrong, but there are certain questions of perspective you might consider.
>
> First, although you are representive of the average participant in these newsgroups, your good ol' boy from Texas in all likelihood is not terribly far removed from the statistical mean of scanner listeners in general, who are mostly pretty ordinary blokes. In that sense, the interview was probably not as biased as you would like to believe.

You can interview someone who is the statistical mean of a group to see what makes up the group. You can interview someone who really knows the issues involved and has prepared the case.

CBS (apparently) chose to use ONE method for ONE side, and another method for the other side. To have been fair to the good ol' scanner buddy, they should have interviewed the average NON-scanner for the opposing side.

Or, instead of interviewing the good ol' scanner buddy for the scanner side of the issue, they could have interviewed someone who knows the issues from the scanner perspective, someone such as Bob Parnass.

The interview definitely was unfair because they expected the AVERAGE person of one side to argue effectively against an educated person of the other side who likely has already researched along the lines of his personal agenda.

Sorry, Jim, you make a poor defense of CBS by claiming that the chosen scanner listener is average.

> Second, I think your description of the origins of the United States leaves
> out an essential point. The assumption is true that the founding fathers were
> striving for limitations on the power of the state to interfere with the
> citizens' lives; but this striving was, in those times, as much a question of
> privacy as "unalienable rights". Indeed, given the changes in society since
> 1776, the average citizen's "expectation of privacy" then was considerably
> higher than now; and he would have been quite comfortable with the MIT
> sociologist's views.

The right to expect privacy has not changed. Too many people are coming to accept the intrusions of government into their lives, as people have in other countries for centuries. The right of privacy, as are many other rights in the U.S., is fading. That risks a re-revolution to reinstitute what we got in 1776 and lost since.

> Finally, the anthropological concepts regarding territoriality come into play
> here. Listening to the police, the hams, or even the government is one thing,
> but invading peoples' "personal space" by eavesdropping on their home
> cordless telephones or their baby monitors is quite another. Their
> "expectation of privacy" is likely to become a non-negotiable demand, and
> since there are several hundred million more of them than there are of us,
> guess who is going to lose - REAL QUICK!!!

That is certainly a case of one group against another, and a democratic process alone will usually end up favoring the majority. That does not mean it is right, it only means it happens.

The only way for democracy to work is for those who are participants to be fully and accurately informed. The CBS interview served to DISinform the public, which EXPECTS to see an informed representative of an issue argue the merits of such an issue.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -398728843772755989
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f6225f33561a619a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 17:42:10 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!sol.ctr.columbia.edu!cica!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: privacy, was CBS . . .

Message-ID: <213.271FD9FD@w8grt.fidonet.org>
Date: 20 Oct 90 00:42:10 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 33
Posted: Sat Oct 20 01:42:10 1990

> From: betz-a@hpuxa.ircc.ohio-state.edu (Andrew L. Betz III)
> Date: 19 Oct 90 16:02:34 GMT
> Organization: The Ohio State University (IRCC)
> Message-ID: <5895@nisca.ircc.ohio-state.edu>
> Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,
> rec.ham-radio
>
> In article <291.271DE138@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org
> (Jim Grubs) writes:
>
> >Moreover, there is the fundamental issue: why would any decent person WANT
> to
> >eavesdrop on the private lives of others?
>
> This is an excellent example of how asking the question will
> influence the response. The fundamental issue is NOT whether
> decent people want to snoop on others. Rather, its a division
> in philosophy between freedom and privacy.

You are evading my question. WHY do people want to listen to baby monitors,
cordless telephones, etc.? WHY do people want to pry into other people's
private lives? Hang the legalities. What is the motivation to do it, legal or
not?

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From 881578337450356814
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 17:47:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!
phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Antenna Restrictions
Message-ID: <30500810@ux1.cso.uiuc.edu>
Date: 20 Oct 90 00:47:00 GMT

References: <204646@<1990Oct17>
Lines: 37
Nf-ID: #R:<1990Oct17:204646:ux1.cso.uiuc.edu:30500810:000:1729
Nf-From: ux1.cso.uiuc.edu!phil   Oct 19 19:47:00 1990
Posted: Sat Oct 20 01:47:00 1990

> I don't think the FCC has ever preempted TVI ordinances. They did, in
> PRB-1, preempt city antenna ordinances. The order in PRB-1 is
> a limited premption--it didn't declare anything unconstitutional, only
> a court can do that.

It asserts the authority of the federal government. It serves as a
guideline for the courts and a basis for federal courts to take jurisdiction.

> I suppose there may be apartment complexes and homeowners associations that
> have attempted to ban the use of ham transmitters, but I've never heard
> of any.

Winfield Village Cooperative, Savoy IL. The defendant was an unemployed
Hispanic and there are some suspected overtones of racial discrimination
in the issue. Even after the two original complainants moved out, and
the coop board's contracted investigator found nothing wrong with the
ham station, they pursued it anyway. The case is turning around because
of turnovers in the board. They argued that the basis was a clause
against "causing a nuisance".

> Unfortunately, the restrictions are disclosed to you before you sign the
> lease or sales contract, so any such restrictions are legally binding.
> Your best bet is to read the lease or contract carefully before signing
> away your rights.

Yeah. You have the right to sign away your rights.

> I'm hoping for a court ruling that will declare the more restrictive
> covenents (those that don't allow any antennas at all) an unconstitutional
> violation of free speech.

It's not likely to happen that way. I'd like to see it, too, but I'm
not waiting around for it.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 2710105485772052458
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 18:03:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!uwm.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu

Newsgroups: rec.ham-radio
Subject: Re: Antenna Restrictions
Message-ID: <30500811@ux1.cso.uiuc.edu>
Date: 20 Oct 90 01:03:00 GMT
References: <204646@<1990Oct17>
Lines: 55
Nf-ID: #R:<1990Oct17:204646:ux1.cso.uiuc.edu:30500811:000:3310
Nf-From: ux1.cso.uiuc.edu!phil   Oct 19 20:03:00 1990
Posted: Sat Oct 20 02:03:00 1990

> As both a ham and a city councilman, the above is not quite as simple as that. Antenna restrictions can be instituted by a city/municipality for valid and defendable reasons. An outright ban on ham antennas would likely be viewed as arbitrary and capricious by the courts, BUT a restriction can be justified on the basis of safety and zoning. For example: It doesn't take much effort for a city to defend a height restriction that incorporates verbage to the affect "No antenna shall be installed that if it fell from its base would extend beyond the property line of the owner." Clearly, if I then happen to live on a lot that is 100' by 100', the maximum antenna height I could install would be 50' if I installed it in the exact center of my property. The closer I wanted to locate my antenna to any one property line, the lower the allowable height.

Basing a restriction on safety and zoning is just what the city should be there for. But safety also follows TECHNICAL matters as well. For instance a properly designed and installed tower, kept in good condition, will NOT fall flat over. The height limit on a tower that can be shown to be in good condition by a competent engineer could be SAFELY placed MUCH higher than its distance from the property line.

I personally would call a rule that places a limit of height equal to the distance to the nearest property line to be "arbitrary and capricious" unless it designates this limitation only for towers not found to be in good engineering condition. If a certified civil engineer signed off on the tower as not able to fall more than (say for instance) 1/2 its height from its base, then your could have that tower up to 100' without danger of it falling on the neighbor's property (from center).

I believe it would be reasonable, and quite likely a good idea, to require the towers to be certified by a competent engineer to be within reasonable safety margins (e.g. to not fall upon the property of another). Also, there are other safety concerns that need to be addressed as well. There need to be ways to prevent children from climbing the tower or from getting close to its base. Guy wires at ground level need to have an appropriate safety mechanism (clearly flagged or inaccessible). Towers high enough to pose a falling ice danger also need an appropriate protection from people getting hit by falling ice. Fencing an area around the base of the tower can be a good way to prevent the climbing and icing problems. All these things should be inspected as part of the finalizing of the permit to keep the tower. There also needs to be some regularity of the inspection to maintain

the degree of safety. The ham who wants the tower up should be expected to
pay all reasonable costs of keeping the tower in safe condition and showing
to the authorities that it is safe.

> Now you may not agree with this, but a similar "law" is in place in a
> local municipality (not mine) and will probably not be challenged,
> and if it is, the challenge will not (IMHO) be won by the ham.

How REASONABLE is that law? Does it have any "arbitraries" in it?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -1095404570592711733
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,962e08cd6f381
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 18:04:00 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!uwm.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Laws against scanners
Message-ID: <30500812@ux1.cso.uiuc.edu>
Date: 20 Oct 90 01:04:00 GMT
References: <213249@<1990Oct17>
Lines: 61
Nf-ID: #R:<1990Oct17:213249:ux1.cso.uiuc.edu:30500812:000:3110
Nf-From: ux1.cso.uiuc.edu!phil   Oct 19 20:04:00 1990
Posted: Sat Oct 20 02:04:00 1990

> There will no doubt be a contention that transmitting certain types of radio
> signals (such as baby monitors and cordless telephones) ENLARGES the personal
> space. I grant the right to determine if an RF signal entering my space harms
> me in some way. I doubt that that requires that I inspect the information
> contents of that RF signal.

Keep your personal space out of my personal space.

An enlargement of the person space would require first establishing the
concept that actual security of the radio transmission really exists.
It would be an invasion of my PHYSICAL personal space for you to determine
if I actually am listening in (and ONLY doing that). Such security does
not exist for signals transmitted in conventional emission modes and not
encrypted. Maybe we need more DES baby monitors.

> No, only the information.

Suppose you toss a sealed envelope into my front yard, which contains
pictures of you and your SO making love. Is that an enlargement of YOUR
personal space? Am *I* violating YOUR space by making an EFFORT (opening

the envelope) to get the information.

I contend that tossing the sealed envelope which has information in it is no different that tossing out electromagnetic waves that have information in them. If you toss them MY way, I am CAPABLE of opening either, and you have effectively given up your right to privacy.

You COULD have setup a wire-based baby monitor. In fact the intercom system in the house I grew up in had a way for the master unit to listen in on anything going on near the slave unit. You don't NEED to transmit over the radio but you simply CHOOSE to.

Also, it is nearly impossible to be able to detect the signal without also detecting the information. Of course that is decreasing with technology.

> > It should be noted that authoritarian regimes tend to place
> > restrictions on radio receivers. It's pretty dangerous to have all that
> > free-thought being picked up by the masses.   Laws against radio
> > receivers
> > are censorship, plain and simple.
>
> Strange, but the U.S. is one of the very few places where people feel this
> way. In most other countries, including very democratic countries, the
> attitude is that the public only has the right to listen to radio
> transmissions that are the public's business. Listening to "private" radio
> transmissions is forbidden. ("That's rude, old boy!")

Strange, but the U.S. is one of the very few places where people felt this way enough to revolt against an authoritarian regime and establish the greatest democracy the world has ever seen.

Strange, but the U.S. is one of the very few places where we have a diverse set of constitutional freedoms based on the concept that the government has no more authority over people than the people themselves do.

Strange, but the U.S. is one of the very few places were have a reasonable expectation of privacy of the things we do in our own personal space.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 331315092344077192
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bff4f27c22908952,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 19:14:32 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark,.NF2G
From: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG (David Stark, NF2G)
Newsgroups: rec.ham-radio
Subject: what if...

```
Message-ID: <134.2720A06B@rochgte.FIDONET.ORG>
Date: 20 Oct 90 02:14:32 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 20
Posted: Sat Oct 20 03:14:32 1990


 > From: wrb@cbnews.att.com (Wallace R. Blackburn)
 >
 > Oh yeah, one more question:  If I am in an accident and my car
 > will blow up
      [some omitted]
 > get out of this
 > alive?  What a dilemma! :)  (Sorry, I couldn't resist)

      I don't care what anybody else says.  _I_ thought it was funny.

;-) and 73 de Dave, NF2G


--
*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*
David Stark, NF2G - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark,.NF2G
INTERNET: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG
*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*


From -3099483665735272349
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f6225f33561a619a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 19:17:52 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!
rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!
f218.n260.z1.FIDONET.ORG!David.Stark,.NF2G
From: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG (David Stark, NF2G)
Newsgroups: rec.ham-radio
Subject: Re: privacy, was CBS . . .
Message-ID: <135.2720A06C@rochgte.FIDONET.ORG>
Date: 20 Oct 90 02:17:52 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 15
Posted: Sat Oct 20 03:17:52 1990


 > From: onymouse@cup.portal.com (John - DeBert)
 >
 >  How do you educate them - gently?

      Try poking some cordless phone or baby monitor frequencies into
```

a portable scanner and SHOW them.

--
%
David Stark, NF2G - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark,.NF2G
INTERNET: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG
%

From 2077169959391649300
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 19:30:13 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark,.NF2G
From: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG (David Stark, NF2G)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Message-ID: <136.2720A06E@rochgte.FIDONET.ORG>
Date: 20 Oct 90 02:30:13 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 72
Posted: Sat Oct 20 03:30:13 1990

> From: phil@ux1.cso.uiuc.edu
>
> >   Everyone who needs to call for emergency service has access to
> > the E9-1-1 system, EXCEPT HAMS. This looks like a problem to me.
>
> In a panic situation, you somehow forgot to tell the dispatcher
> your location
> and the dispatcher never asked for it. After a few minutes

Dispatcher's fault, but that's no consolation.

> Hams do have access, but it might not be properly identified, and that
> might cause problems in some (rare?) cases.

Well, that's really the center of the problem. The proper identification of the caller's location is the heart of ALI. That is why I mentioned access to E[nhanced]9-1-1.

> What do you normally get to find out about a call?

On "normal" landline calls, the small LED display gives an immediate readout of the originating number. The number information is also sent to the telco's billing computer for matching with the address info. The response from the telco computer is sent back to the PSAP and displayed on a CRT. This information can be imported to the CAD event mask by keyboard command.

That is how the system works in Rochester, NY. Your mileage may vary.

> What would you think would be best to see in place of (or in
> addition to) that information to properly tell you about a ham
> repeater/autopatch that
> has coverage over a wide (possibly multi-jurisdiction) are?

That information in itself _should_ be sufficient. But it needs to be coupled with proper orientation of the complaint takers and reiterated during ongoing staff training. In my experience, ham calls via what is locally called the "Fuzz-Buzz" are relatively uncommon. Operators tend to forget procedures that are rarely used, so they need to be reminded.

> I think Tad's "solution" was a reasonable TEMPORARY one to deal with the
> "mismanagement" that appears to exist in his jurisdiction.

I concede that. Hey, Tad! I've been thinking about your situation. Did you say you were in Seattle, WA? Last I heard, the director for Seattle's center was Alan Komenski (formerly Director of the Monroe County OEC here in Rochester, NY). He is also known as AC2K and I would think he would be more responsive. Has your repeater group talked directly to him?

> > I would like to see a copy of this alleged mail. I sent no such
> > message. Show me. Now.
>
> That was one of the errors. I sent that mail to Tad, and he got

Yeah, I noted that correction just after sending the above. I sent an immediate retraction of my own.

> a little bit, so maybe we will soon come to a convergence of
> understanding.

We can try.

--
%
David Stark, NF2G - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark,.NF2G
INTERNET: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG
%

From 3868671840234466168
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db96dcdd679c4e46

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 19:41:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark,.NF2G
From: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG (David Stark, NF2G)
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V90 #296
Message-ID: <137.2720A070@rochgte.FIDONET.ORG>
Date: 20 Oct 90 02:41:50 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 47
Posted: Sat Oct 20 03:41:50 1990

> From: phil@ux1.cso.uiuc.edu
>
> and invoke 97.403 to cover the violation of 97.301 for the type
> of emergency intended to be covered by 97.403 (whatever that is).

You could at least confuse the FCC enough that they would give up on any prosecution. ;-)

> The only case I am concerned with is a REAL EMERGENCY. There appear to be
> many hams and non-hams using non-type-accepted nor certified equipment in
> routine public service/safety roles. But that is an issue I am not now
> addressing, so I please don't get these things confused.

OK. They do seem to be separate issues. Separating the possibilities this way seems to reveal more basic agreement on what we are saying here.

> That is *IF* the ham is going to use the radio in that service.
> This would apply just as well to a NON-ham who has ham equipment.

Also agreed.

> Just picking nits here, if the "ham" was going to be operating ILLEGALLY
> in another service, it would NOT fall under Part 97 Basis and Purpose for
> self policing. You could just turn him in to the FCC or you could just
> forget it. On the other hand you may have done him a favor by telling him
> that he might be setting himself up for legal problems.

I guess it would depend on FCC's interpretation of which exact regulations they wished to enforce in a particular case. If the person doing the transmitting were a licensed ham, I suspect they would be likely to invoke Part 97 along with any other charges. In fact, the FCC rules allow them to take action against ANY licenses in ANY service held by someone found guilty of an infraction.

I would prefer to keep a fellow ham from losing his license no matter what set of FCC rules would be used to take it away. My intent was undoubtedly obscured by the overzealous way in which I presented the warning.

--
%
David Stark, NF2G - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark,.NF2G
INTERNET: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG
%

From -2073208019370489118
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c51607fc93a97fac
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-19 19:44:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
cs.utexas.edu!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!
f218.n260.z1.FIDONET.ORG!David.Stark,.NF2G
From: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG (David Stark, NF2G)
Newsgroups: rec.ham-radio
Subject: Re: Flaming newbies and public service
Message-ID: <138.2720A072@rochgte.FIDONET.ORG>
Date: 20 Oct 90 02:44:57 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 33
Posted: Sat Oct 20 03:44:57 1990

```
 > From: phil@ux1.cso.uiuc.edu
 >
 > > *%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*
 > > David Stark, NF2G - via FidoNet node 1:260/230
 > > UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark,.NF2G
 >                                                           ^
 > > INTERNET: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG
 >                         ^
 > > *%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*
```

Those must be the extra signature graphics that somebody netmailed me a complaint about. They do not originate at my system. I use a simple FidoNet origin line which is stripped out and replaced with the origin line of the system that moves the echomail across the UUCP/FidoNet border.

```
 > are not valid in an address.  I guess I will give a try to:
 >
 >     David.Stark@f218.n260.z1.FIDONET.ORG
 >
 > and see if that works.
```

Apparently it did. I will drop the ",NF2G" in future logon sessions here. Thanks for pointing it out.

--
%
David Stark, NF2G - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark,.NF2G
INTERNET: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG
%

From -2431786749244921117
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,962e08cd6f381
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-17 18:55:54 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: CBS news irresponsible
Message-ID: <1250250@hpnmdla.HP.COM>
Date: 18 Oct 90 01:55:54 GMT
References: <265.27190D02@w8grt.fidonet.org>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 19
Posted: Thu Oct 18 02:55:54 1990

>There have been a few cases where I get to see the media deal with an
>issue I know a lot about. ABSOLUTELY EVERY time, they got things wrong
>and/or out of context.

>From that day on, I have always questioned what I read, hear, or see, in
>the media.

>There have been a few exceptions. I generally found the Christian Science
>Monitor and the Wall Street Journal to be both more accurate and quite
...

Another is Consumer Reports. There have only been a couple of things they
have printed that I disagreed with, and I have to admit these were on
subjects I'm not an expert on.

When they have covered subjects I do know something about, they have
always seemed to be pretty much right on.

From -7626401735765867855
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-17 19:19:56 PST

Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark,.NF2G
From: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG (David Stark, NF2G)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Message-ID: <124.271DFD6A@rochgte.FIDONET.ORG>
Date: 18 Oct 90 02:19:56 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 44
Posted: Thu Oct 18 03:19:56 1990

> From: tad@ssc.UUCP (Tad Cook)
>
> What grade of service does everyone else get that allows 9-1-1 callers to DICTATE to the PSAP what goes into the ALI database?
>
> This is just TOO much!

Everyone who needs to call for emergency service has access to the E9-1-1 system, EXCEPT HAMS. This looks like a problem to me.

> Problem: When dialing 9-1-1 from the repeater autopatch, the repeater location shows up on the screen at the 9-1-1 center, which could POSSIBLY (not likely) confuse the operator.

Yes it could, unless the ALI was modified (I've seen it done - I have worked in a real, live E9-1-1 PSAP myself) and the operators were properly trained.

> The solution is to eliminate the ALI (Automatic Location Identification).

Wrong. The solution is to IMPROVE the ALI.

> Now Mr. Stark Raving Ham is PISSED OFF, because....well, no one's really sure WHY he's upset...he just usually is.

I have not engaged in any personal attacks, which is how "flaming" is defined. Care to describe the above comment?

> This guy actually sent me mail, saying he USED to think Seattle was an OK place before he read rec.ham-radio and found out what a LOUSY 9-1-1 system it has!

I would like to see a copy of this alleged mail. I sent no such message. Show me. Now.

--
%

David Stark, NF2G - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark,.NF2G
INTERNET: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG
%

From 7711226830578934566
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db96dcdd679c4e46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-17 19:24:31 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark,.NF2G
From: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG (David Stark, NF2G)
Newsgroups: rec.ham-radio
Subject: Re: Re: Info-Hams Digest V90 #296
Message-ID: <125.271DFD6C@rochgte.FIDONET.ORG>
Date: 18 Oct 90 02:24:31 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 32
Posted: Thu Oct 18 03:24:31 1990

> From: kaufman@Neon.Stanford.EDU (Marc T. Kaufman)
>
> >   Aye, there's the rub, those last 5 words. The out-of-band
> >transmissions, no matter how well-intentioned, are still illegal.
>
> This may be true (or it may not, depending on whether you think an FCC
> regulation has the same force as a LAW passed by congress).

You sound like Bill Cheek defending Freebanding over in the SHORTWAVE echo.

> HOWEVER -- if you are not an employee of the FCC or a Federal
> law enforcement
> officer would you please either answer the question (how to modify for
> out-of band) or be quiet. If I want instruction on correct moral behaviour
> I can watch any number of TV preachers.

Go read the Basis and Purpose of Amateur Radio at the beginning of Part 97 again. Among other things, it mentions "self-policing." You are requesting assistance to commit what may be an illegal act. I am advising you of same, in accordance with one of the many requirements of the amateur radio service per FCC rules. End of fight.

--
%
David Stark, NF2G - via FidoNet node 1:260/230

UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark,.NF2G
INTERNET: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG
%

From -6638155131995462242
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db96dcdd679c4e46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-17 19:39:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!rutgers!rochester!
uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!
David.Stark,.NF2G
From: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG (David Stark, NF2G)
Newsgroups: rec.ham-radio
Subject: Re: Re: Info-Hams Digest V90 #296
Message-ID: <126.271DFD6E@rochgte.FIDONET.ORG>
Date: 18 Oct 90 02:39:00 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 56
Posted: Thu Oct 18 03:39:00 1990

> From: stanley@fozzie.phoenix.com (John Stanley)
>
> > > capabiities of the equipment they already own, provided it is certified
> > > properly.
> >
> >   Aye, there's the rub, those last 5 words. The out-of-band
> > transmissions, no matter how well-intentioned, are still illegal.
> >
>   Provided it is certified properly. There is more to certification than
> type acceptace. Transmitting out-of-ham-band with ham gear is not
> illegal, just because it is out-of-band with ham gear. I have 4 pieces of
> gear I use, almost exclusively, out-of-band, and all 4 are legal.

Perhaps another issue has crept in here that obscures the original argument. Do you transmit "out-of-band" as a ham or as an authorized member of an agency with operating authority on those frequencies? (I am assuming that, as you state, the equipment itself is legal re certification.)

If you transmit on frequencies allocated to another service as a member of that service, then Part 97 does not apply to your communications at all. You are then bound by the applicable regs for the service you are using and the general regs for all radio users. The fact that you also happen to be licensed under Part 97 as an individual is immaterial.

In my *opinion* this is different from the case of a ham who takes his HT, which is only certificated for amateur use, and modifies it for out of band coverage for whatever reason. If he can get the radio certified/type accepted/whatever by the FCC for the additional frequency coverage, the radio itself is legal. Then all he needs is a license in the appropriate other radio service OR authorization from a licensee to transmit under their license. That takes him completely out of Part 97.

Remember that this whole thing got started by somebody who stated he was trying to access non-ham repeaters with ham equipment and wanted advice on how to attain the odd split. Nothing in the message offered any evidence of type acceptance for his radio to go outside the ham bands, nor did he mention any authorization or licensure for non-ham transmission. If properly licensed outside of the amateur service, he could have simply contacted a service shop or the manufacturer for this info. Even if he simply preferred to ask fellow hams for advice, mentioning the above might have made life easier.

The beginning of Part 97 (Basis and Purpose) mentions "self policing" as one of the traits of the amateur service. I don't think any of us take that to mean playing radio cop with each other. I do believe that it obligates us to at least try to keep each other out of trouble.

```
--
*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*
David Stark, NF2G - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark,.NF2G
INTERNET: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG
*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*
```

```
From 340125930847964834
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-17 19:41:18 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!rochester!
uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!
David.Stark,.NF2G
From: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG (David Stark, NF2G)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Message-ID: <127.271DFD6F@rochgte.FIDONET.ORG>
Date: 18 Oct 90 02:41:18 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 22
Posted: Thu Oct 18 03:41:18 1990
```

```
 > From: tad@ssc.UUCP (Tad Cook)
 >
 > > This guy actually sent me mail, saying he USED to think Seattle
 > > was an OK place before he read rec.ham-radio and found out what
 > > a LOUSY 9-1-1 system it has!
 > >
```

>
> OOPS! Sorry....it was phil who sent me the message....I think.
> I'm starting to confuse Phil and David.

Please disregard the last paragraph of my other message and accept my apologies. That was quite upsetting, knowing that I hadn't said any such thing.

--
%
David Stark, NF2G - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark,.NF2G
INTERNET: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG
%

From 1027421741473533208
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c51607fc93a97fac
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-17 19:49:44 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark,.NF2G
From: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG (David Stark, NF2G)
Newsgroups: rec.ham-radio
Subject: Re: Flaming newbies and public service
Message-ID: <128.271DFD71@rochgte.FIDONET.ORG>
Date: 18 Oct 90 02:49:44 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 27
Posted: Thu Oct 18 03:49:44 1990

> From: perley@galaxy (Donald P Perley)
>
> Here's some food for thought.. fire departments and ambulance crews
> deal with emergencies all the time. Their purpose is dealing with
> emergencies. Emergencies are routine. Does that mean they can
> routinely use ham frequencies & repeaters without even a ham
> license? The rules say no, but HEY! its an emergency!

I think that one has already been addressed. It comes under "serving the regular business interests" of the agency, or similar wording. In other words, we can't dispatch police cars on 440. That is the routine operation of the PD and does not really constitute "emergency" operation.

Perhaps we can turn up some documentation on when this issue was discussed and what the current interpretation really is.

As far as the "without a ham license" part, that is covered in the rules for THEIR services (Part 90) and would constitute unlawful

```
"out of band" operation on their part.


--
*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*
David Stark, NF2G - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark,.NF2G
INTERNET: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG
*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*


From -5863911680446940444
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,46aaec2233e14012
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-17 20:05:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
cs.utexas.edu!hellgate.utah.edu!uplherc!wicat!keithm
From: keithm@wicat.UUCP (Keith McQueen)
Newsgroups: rec.ham-radio
Subject: Re: can 2sat do repeater split of 6.46 MHz?
Message-ID: <504@wicat.UUCP>
Date: 18 Oct 90 03:05:00 GMT
References: <65.271079D4@rochgte.FIDONET.ORG>
<1990Oct8.191935.1001@mozart.amd.com> <195@kumr.UUCP>
Reply-To: keithm@wicat.UUCP (Keith McQueen)
Organization: WICAT Systems, Orem, Utah
Lines: 50
Posted: Thu Oct 18 04:05:00 1990

In article <195@kumr.UUCP> pozar@kumr.UUCP (Tim Pozar) writes:
>In article <1990Oct8.191935.1001@mozart.amd.com> reed@mozart.amd.com (David F.
Reed) writes:
>>well, it seems to me, Civil Air Patrol repeaters frequently straddle the 2m
>>band; they don't  seem to mind "modifed ham gear" vs. type accepted, and to
>>my knowledge this is not unlawful;
>
>   Yup, it is.
>
>   And I know a certain FCC Field Officer in San Francisco that loves
>to bust this sort of violation.
>
>         Tim - KC6GNJ
>
>--
>Tim Pozar    Try also...
>uunet!hoptoad!kumr!pozar      Fido: 1:125/555      PaBell: (415) 788-3904
>      USNail:  KKSF-FM / 77 Maiden Lane /  San Francisco CA 94108

This is not true.  The Civil Air Patrol frequencies are MILITARY
(Air Force) frequencies and thus are not governed by the FCC.

It is legal to use non type accepted equipment on MARS and CAP
```

frequencies. It is NOT legal to use non type accepted equipment on public service and commercial frequencies.

On a slightly different subject, I have not entered this flame-war on calling dispatchers on a ham HT on purpose, because it has mostly been beat to death.

I personnally call our county dispatch quite often. I am a member of a recognized volunteer emergency group, have an assigned public service call, and have public service radio training. But, when I do call dispatch, I DO IT ON A TYPE ACCEPTED RADIO. Type accepted handhelds generally cost a little more than the equivalent ham stuff but are getting cheaper all the time. I can buy a KING mobile for not much more than a ham mobile, it will cover from 144-174 Mhz, has a REAL scanner, and a REAL priority, and does not suffer from intermod.

Regardless, If I were caught somewhere with a REAL emergency, without my type accepted equipment, outside of my recognized jurisdiction, and couldn't get anyone on the ham bands, would not hesitate to call the nearest dispatcher on my modified HT. BUT...that's a LOT of IF's don't you think?

```
--
 Keith McQueen, Wicat Systems Inc. , (801)224-6400      | My opinions are |
 N7HMF @ NV7V.UT.USA.NA (84058), 147.34+, 449.675-      | all mine...     |
 UPLHERC!WICAT!KEITHM                                   | ...so there!    |
```

From 5658066781648495267
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31ab972b4be60ae1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-17 20:45:06 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!caen!umich!umeecs!msi.umn.edu!cs.umn.edu!sialis!orbit!pnet51!rambler
From: rambler@pnet51.orb.mn.org (Dan Meyer)
Newsgroups: rec.ham-radio
Subject: legal identification
Message-ID: <3341@orbit.cts.com>
Date: 18 Oct 90 03:45:06 GMT
Sender: root@orbit.cts.com
Organization: People-Net [pnet51], Minneapolis, MN.
Lines: 16
Posted: Thu Oct 18 04:45:06 1990

Question:

If you are using a repeater, and you signal drops to the point of being unreadable to the repeater, how does one legally ID ? Just id on the input frequency ? just id on the output frequency?

...Wondering

-- Dan Meyer
-- N0KFB
/s
Remember: " Buffalo never Oink " Seen on a South Dakota travel brocure.
Advertisment: Try the Railway Post Office , a railfan BBS ! (612) 377-2197.
UUCP: {crash tcnet}!orbit!pnet51!rambler
ARPA: crash!orbit!pnet51!rambler@nosc.mil
INET: rambler@pnet51.orb.mn.org

From 6257819705538083328
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3dfae72efb567553
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-17 22:14:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: Oscar antennas, your views sought
Message-ID: <265@bongo.UUCP>
Date: 18 Oct 90 05:14:18 GMT
References: <12280018@hpspdra.HP.COM>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 40
Posted: Thu Oct 18 06:14:18 1990

In article <12280018@hpspdra.HP.COM>, henryb@hpspdra.HP.COM (Henry Black) writes:

> How important is a remote control left/right handed polarization switch,
> and which packages include this?

I can't answer for the current crop of satellites, but I know that on Oscar's 7, 8 and 10 it made a difference. The Polar orbit jobs flipped about and a polarity switch was nice. KLM sells a polarity switcher, but the best deal is the polarity switching box described in the RSGB VHF manual - it also used to be sold by the VHF Communications mag people and J-Beam. This box lets you switch between RHC, LHC, Vertical, Horizontal, 45 deg slant and 135 deg slant. The box is manually switched in the shack and you need 2 coaxes from the antenna. I used this switch box extensively on Oscar 10. There were times when the best signal was slant polarisation. So, I suggest you make a switcher as per the VHF manual for best results and use the KLM LHC/RHC switch as a second choice. As I recall Crossed Yagis are made by J-Beam, Cushcraft and KLM, there may be others.

> Any views on the practicality of using an Alliance 110 rotor for
> elevation? (I have a heavy duty rotator already for azimuth).

I have used this setup. It works, I prefer the old Stolle rotators to the U-110. The Stolle has been sold as a J-Beam, RCA and Radio Shack. They had a bit more poke than the U-110. I havent seen a new Stolle since 1977, they do turn up at swap meets. There is a modification for the U-110 using selsyns as indicators in the September 1979 QST. Fair Radio Sales may even still have the parts.

My final note is the "Non Conductive Crossboom" question. PVC plumbing lacks rigidity as do many fiberglass poles. If you can get old pole vault poles they are nice. My best bet is a regular closet pole from the local lumber yard. Test them all to find the one with least flex. Use polyurathane varnish on the pole.

Lotsa luck. Maybe one day I will get an estanzia and put up more antennas.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From -8355771204475579835
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31ab972b4be60ae1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 05:31:15 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!haven!decuac!shlump.nac.dec.com!regent.enet.dec.com!gettys
From: gettys@regent.enet.dec.com (Bob Gettys N1BRM)
Newsgroups: rec.ham-radio
Subject: Re: legal identification
Message-ID: <16467@shlump.nac.dec.com>
Date: 18 Oct 90 12:31:15 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 24
Posted: Thu Oct 18 13:31:15 1990

In article <3341@orbit.cts.com>, rambler@pnet51.orb.mn.org (Dan Meyer) writes...
>Question:
>
>If you are using a repeater, and you signal drops to the point of being
>unreadable to the repeater, how does one legally ID ? Just id on the input
>frequency ? just id on the output frequency?
>
>....Wondering
>
>-- Dan Meyer
>-- N0KFB
>/s

You only need to identify YOUR signal. That the ID usually is heard on the repeater output serves only to identify you to those listening to the repeater and do nothing to identify YOUR signal. Therefore, IDing when you have dropped out of the repeater should be done on the same frequency tha YOU have been using, the repeater input.

/s/ Bob N1BRM

From 7544101176450109798
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31ab972b4be60ae1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 06:50:40 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!gatech!mcnc!unccvax!cs00jmc
From: cs00jmc@unccvax.uncc.edu (John Covington WN4BBJ)
Newsgroups: rec.ham-radio
Subject: Re: legal identification
Message-ID: <2854@unccvax.uncc.edu>
Date: 18 Oct 90 13:50:40 GMT
References: <3341@orbit.cts.com>
Reply-To: cs00jmc@unccvax.uncc.edu.UUCP (John Covington WN4BBJ)
Organization: University of North Carolina at Charlotte
Lines: 24
Posted: Thu Oct 18 14:50:40 1990

In article <3341@orbit.cts.com> rambler@pnet51.orb.mn.org (Dan Meyer) writes:
>Question:
>
>If you are using a repeater, and you signal drops to the point of being
>unreadable to the repeater, how does one legally ID ? Just id on the input
>frequency ? just id on the output frequency?

ID your station on the input frequency. The fact that you are no longer readable on the repeater is not relevant; you should identify on the frequency which your station was transmitting. The same holds true on HF; if the station you are communicating with can't hear you any more, you still have to ID when you are finished.

If you are no longer readable then just say something like "WN4BBJ clear," you will be covered.

73 de John WN4BBJ

--
John Covington WN4BBJ   Internet: cs00jmc@unccvax.uncc.edu
P.O. Box 217122   MCI Mail: JCOVINGTON 342-6957
Charlotte, NC 28221-7122 Packet Radio Mail: WN4BBJ @ W4BFB.NC.USA.NA
(704) 537-7653   "Kenneth, what's the frequency?" "I dunno, ask Dan"

From 287884830262180
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79d7c95ed0ec93aa

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 07:11:14 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!zaphod.mps.ohio-state.edu!rpi!crdgw1!caesar!perley
From: perley@caesar.crd.ge.com (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: CW Filters
Keywords: heath cw hw-100
Message-ID: <12890@crdgw1.crd.ge.com>
Date: 18 Oct 90 14:11:14 GMT
References: <1990Oct16.133310.1130@cbnews.att.com>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@caesar.crd.ge.com (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 20
Posted: Thu Oct 18 15:11:14 1990

In article <1990Oct16.133310.1130@cbnews.att.com> wrb@cbnews.att.com (Wallace R. Blackburn) writes:
>I have a Heathkit HW-100 that I use almost exclusively for CW (yeah, yeah I
>know). I picked it up used (no kiddin') and it has the SSB (2100 Hz)
>filter in it. I've found filters available from Fox-Tango and I think I
>want to get one. My question is this: they have 400 Hz and 250 Hz filters
>- do I want the tighter one, or are there tradeoffs between tighter filters
>and wider ones (i.e. is it difficult to tune, etc.)

One consideration is that the HW100 doesn't let you run split
frequency at all. If you send CQ and the other guy calls back outside
your narrow passband, you can't retune to copy him without changing
your transmit frequency as well.

Other than that, if I had to choose between 400 and 250, I would take 400
for ease of tuning, especially since you don't have the ssb width filter
to fall back on.

-don perley - ke2tp

perley@trub.crd.ge.com

From -1209231498323405444
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43b37f1076173beb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 07:38:49 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!elroy.jpl.nasa.gov!ncar!umigw!rsmas!eakin
From: eakin@rsmas.miami.edu
Newsgroups: rec.ham-radio
Subject: Wanted: Manual for Regency HR-2
Message-ID: <10162.271d8639@rsmas.miami.edu>
Date: 18 Oct 90 14:38:49 GMT
Lines: 9

Posted: Thu Oct 18 15:38:49 1990

Wanted: Manual for Regency HR-2 crystal controlled 2m rig.
Will pay for copies & postage. Need to repair rig used on packet.

73 de Mark
--
C. Mark Eakin
Internet: Eakin@RSMAS.miami.edu
Amateur Radio: N4SYK   Packet Radio: N4SYK@AB4LU.FL.USA.NA
USnail: Univ. of Miami, RSMAS-BLR, 4600 Rickenbacker Cswy. Miami, FL 33149-1098

From 8887686511990970151
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e7e19d042ce3c85
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,e7e19d042ce3c85
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-10-18 08:12:36 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!sdd.hp.com!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: HELP - PK-232 "Warbling" modulation of my HF TS-440S rig
Keywords: Erratic ALC meter on AFSK tone level calibration
Message-ID: <1464@ke4zv.UUCP>
Date: 18 Oct 90 15:12:36 GMT
References: <1990Oct17.085949.3407@midway.uchicago.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Followup-To: rec.ham-radio
Organization: Gannett Technologies Group
Lines: 21
Xref: gmdzi rec.ham-radio:15879 rec.ham-radio.packet:2936
Posted: Thu Oct 18 16:12:36 1990

In article <1990Oct17.085949.3407@midway.uchicago.edu> gary@ellis.uchicago.edu (gary buchholz) writes:
>
>Simple enough. But, something appears very wrong in that I get a
>very erratic reading on the ALC meter. I would assume that a
>pure tone as is being generated by the pk-232 (mark or space) would
>produce a stable ALC meter reading. I did all this through a dummy
>load (of course) and also see that the power out (watts) is very
>erratic - following the ALC meter reading.
>
>So, whats the story on these erratic "warbling" ALC meter readings when
>in PK-232 CALibrate mode ??? Not normal right ?
>Anyone got an insight into these erratic ALC readings I'm seeing ?

This is a classic case of RF feedback. Use standard RF suppression techniques such as RF chokes in the AF leads (toroids ok, put the suppression as close as possible to the mic connector) and .001 caps to ground at the mic connector.

While you're at it, put suppression in the power lead to the TNC. Ground your
TNC to your station ground. Undo that fancy cable lacing and seperate your
cables.

Gary KE4ZV

From -9060628779999532434
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bbc731178d683c09
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 08:22:28 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: BAUDOT teletypes need warm new home...
Message-ID: <9258@helios.TAMU.EDU>
Date: 18 Oct 90 15:22:28 GMT
References: <7231.271b2973@jetson.uh.edu> <1250249@hpnmdla.HP.COM>
Sender: usenet@helios.TAMU.EDU
Organization: Computer Science Department, Texas A&M University
Lines: 21
Posted: Thu Oct 18 16:22:28 1990

In article <1250249@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
]>I have two BAUDOT teletypes that I need to get rid of.   As opposed to sending
]>them to the scrap yard, I would like to see them go to someone who wants
]>them.
]
]----------
]
]They are not worth shipping: Advertise in local ham club newlsetter(s)
]so someone local can pick them up.
]
]AL N1AL

Amen to that. when I moved from New York, I had a LORENZ LO15 in immaculate
condition and enough spare parts to keep it running for years to come. I
also had an American made ASCII Teletype. Not only could I not sell them,
I also could not give them away. As a matter of fact, I couldn't even get
my garbage contractor to haul them out for me. Someday, someone is going to
be crawling around the eaves in the attic of the old house I used to live in
and boy, are they going to get a surprise!! :-) :-)

bill   KB3YV

From -5888043571469996215
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31ab972b4be60ae1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 08:26:16 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!brian

From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: legal identification
Message-ID: <20957@ucsd.Edu>
Date: 18 Oct 90 15:26:16 GMT
References: <3341@orbit.cts.com>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 11
Posted: Thu Oct 18 16:26:16 1990

Dan Meyer asks:
>If you are using a repeater, and you signal drops to the point of being
>unreadable to the repeater, how does one legally ID ? Just id on the input
>frequency ? just id on the output frequency?
>   -- N0KFB

Presumably the person you were talking to knows who you were, so whether your ID gets through the repeater is immaterial. You are supposed to ID your transmitter. The repeater is supposed to ID itself, which it will do whether you're making it in or not. So where's the confusion?
     - Brian

From 4371035905120530393
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e14ed0b1095cae9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,8e14ed0b1095cae9,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-10-18 08:35:36 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: "wireless lan" for 902-928Mhz
Message-ID: <40999@cci632.UUCP>
Date: 18 Oct 90 15:35:36 GMT
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: Computer Consoles Inc. an STC company, Rochester, NY
Lines: 23
Xref: gmdzi rec.ham-radio:15859 rec.ham-radio.packet:2929
Posted: Thu Oct 18 16:35:36 1990

This article is partially reprinted without permission from the Sept. 24, 1990 "Electronic Engineering Times":

--
Dayton, Ohio - NCR Corp. has joined a small club of vendors seeking to sidestep the physical media debate in local area networks by proposing that users switch to a wireless LAN. At the recent NetWorld conference in Dallas, NCR introducted an interface card for "WaveLAN", a spread-spectrum RF LAN that uses an omnidirectional radio antenna in conjunction with a standard PC add-on card, providing LAN connectivity at 2Mbits/second.

[technical stuff deleted, incl. why infrared LAN's don't work -ed]

NCR has solved the security problem, at least in part, by offering encryption of LAN data using the Data Encryption Standard as an optional feature for WaveLAN. The signal, spread between frequencies of 902 and 928 MHz, provides additional security from interception. NCR has applied for eight patents associated with the wireless LAN technology. The IEEE 802 group of LAN committees has established a special working group, P802.11, to analyze wireless LAN standards, with which NCR is involved.

--

```
From 5365083592665913446
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,394e0d3a7a395345,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 09:08:55 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpda!hpcuhb!hpscdc!johnson
From: johnson@hpscdc.scd.hp.com (Jim Johnson)
Newsgroups: rec.ham-radio
Subject: CAUTION! Failed an exam?
Message-ID: <5490104@hpscdc.scd.hp.com>
Date: 18 Oct 90 16:08:55 GMT
Organization: Hewlett-Packard, Santa Clara Div.
Lines: 29
Posted: Thu Oct 18 17:08:55 1990
```

I took the Advanced test on October 14 and my exam answer sheet was scored showing five erroneous answers. Being well prepared for the exam, I asked to see the questions I missed as I found it hard to believe that I had five wrong answers. I only took the time to check three of the questions and found the following results. I marked one incorrectly (my own fault - I just missed it). In one case the answer key was marked incorrectly. I pointed it out to two of the examiners (both Extra class operators). They both looked it over and being non-technical types (answer memorizers), one agreed with me that the answer key was wrong, and the other guy couldn't handle the question at all. But they could do nothing as their hands were tied by the FCC rules and they recommended that I write letters to try to resolve the problem. In the third case, apparently the FCC rules had changed so both my marked answer and the examiner's answer key were incorrect.

My point is that if you fail an exam, don't take it lying down. Ask to see the questions you missed and make sure they really are wrong. It may very well be easier to take the exam again, after studying harder, than to try to challenge the results via a letter writing effort. But if more people complain about the clerical and technical errors present in the examination process, the more likely these problems will be corrected.

Good luck to you exam takers and fight if you know you're right!

Jim Johnson WA6SII (johnson@hpscdc.hp.com)

From 8663046405230472401
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d4984e1a2cfa197d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 10:39:12 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcupt1!hprnd!billt
From: billt@hprnd.rose.hp.com (Bill Thomas)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TH-75/77
Message-ID: <15780009@hprnd.rose.hp.com>
Date: 18 Oct 90 17:39:12 GMT
References: <116664@tiger.oxy.edu>
Organization: HP Roseville Networks Division
Lines: 40
Posted: Thu Oct 18 18:39:12 1990

The following rumors have already been posted. Notes users should be able to find them by using the lower case x function and entering 77 as the search string.

```
 ----------------------------------------------------------------------------
                     Kenwood TH-77 & Bearcat 200XLT mods       No responses
pvh@Apple.COM                   Pete Helme at Apple Computer Inc., Cupertino, CA
```

Anyone know if the new dual band Kenwood, the TH-77, is available in the U.S. or not yet. They're already importing the new smaller single band units (at least they've been advertising them).

```
 ----------------------------------------------------------------------------
```

Dear Pete Helme,

There is talk about bringing the TH-77 in the to US, but hold your breath for anytime soon.

Russ Black N6YFL

```
 ----------------------------------------------------------------------------
```

A call to Kenwood, 213-639-7140, yielded the following:

The TH-77 is a two band handheld. It will support cross band repeating. It will use all the current TH-25 accessories, e.g. batteries, chargers, except the cases. Advertisements should start showing up in November.

Suggested Price is $599.

Bill Thomas WB0ALN

I talked to the Kenwood rep at PACIFICON this past weekend. This is quoted from him (i.e., don't blame me):

The TH-77 will appear in the U.S. in about 4-5 months after FCC type accepting is completed. Price is unknown at present due to the current fluctuation of the Yen to the $. It will be packaged in a case something similar to the TH-26. It will use the same batteries as the TH-75/25/26 etc. It will support direct keyboard freq. entry, MR clear (a must for some). It is rumored to have dual 440 receive and it may do cross band repeat.

From 7689934770623459999
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5b4dbb9bf53c3d5a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 10:56:23 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpda!hpcupt1!hprnd!billt
From: billt@hprnd.rose.hp.com (Bill Thomas)
Newsgroups: rec.ham-radio
Subject: Re: Household solar power, query.
Message-ID: <15780010@hprnd.rose.hp.com>
Date: 18 Oct 90 17:56:23 GMT
References: <5532.271b27dc@nuhub.acs.northeastern.edu>
Organization: HP Roseville Networks Division
Lines: 18
Posted: Thu Oct 18 18:56:23 1990

Edmund Scientific prices are a bit high.

Start with the recreational vehicle people and boating people for appliances that run off of 12 Volts (actually closer to 13 to 15 Volts). Check up on electric cars for information on what you can and cannot do with batteries and costs of batteries. Check also with farm and ranch suppiers for solar panels since some electric fences and water pumps are solar powered.

In general skip the energy conservationist sources who cater specifically to the Yuppie$ who want to maintain the appearance of socially correct lifestyle and check into those that cater to people who live or travel in remote areas and buy this stuff because they need to or because it is cheaper than the alternatives.

Before you start thinking that you are helping the environment, remember that battery chemicals, nickel, cadium, lead, sulfuric acid, and plastics as well as solar cell material and manufacturing process are not necessarily the best things either.

From -1606575767426238685
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e5652a14a5679802,start

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,e5652a14a5679802,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-18 11:19:10 PST
Path: gmdzi!unido!mcsun!uunet!midway!linac!pacific.mps.ohio-state.edu!
zaphod.mps.ohio-state.edu!usc!apple!bionet!agate!linus!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: J pole antenna plans for 2M
Message-ID: <110392@philabs.Philips.Com>
Date: 18 Oct 90 18:19:10 GMT
Sender: news@philabs.Philips.Com
Lines: 56
Xref: gmdzi rec.ham-radio:15902 rec.radio.shortwave:2467
Posted: Thu Oct 18 19:19:10 1990

someone asked about J pole antennas, so from my files:

>From: kinsman@ektools.UUCP (Andrew A. Kinsman)
Newsgroups: rec.ham-radio
Organization: Eastman Kodak, Dept. 47, Rochester NY

The following is a description of a J-Pole antenna made from 300 ohm TV twin-lead. Quite a few of the hams in the area have successfully built one or more of these antennas. They have quite a few advantages which include improved performance for 2-meter HTs, portability, and last, but never least, they are inexpensive.

```
                    |   | do not short this end.
                    |   |
                    |   |
                    |   |
                    |   |
                    |   |
                54" |   |
                    |   |
                    |   |
                    |   |
                    |     1/4" gap
                    |   |
                    |   |
                    |   | 16 3/4"
coax ctr conductor=>*   *<= coax shield
                    |   |
             1 1/4" |   |
                     -*-
           solder the twin leads together at bottom
```

1. Start with 54 1/2" of TV twin lead (foam core does not work as well)
2. Strip 1/2" of insulation at bottom and solder wires together.
3. Measure 1 1/4" from soldered wires and strip insulation on both
   sides. This is the solder point for a coax feedline.
4. Measure 16 3/4" from bottom and cut out 1/4" notch on one side.

5. Feed with a length of RG58U coax. Tape coax at feedpoint to the twin lead for strength and weather protection.

I have also attached an alligator clip to the plastic on the top of the antenna in order to conveniently hang it. I am successfully using one in my attic to avoid any CCNR problems. I have another that I can take with me camping, sailing, etc.

This design has appeared on many BBSs and in club newsletters; the earliest reference that I know of is a Jan. 1984 D.A.R.C. antenna article by James Burks, KA5QYV.

Enjoy,
N6UBM

```
-------------------------------------------------------------------------------
My job is so secret, even I don't know what I'm doing!    __/\/\__
                                    o o
                                     -
```

From 2835959383134774614
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79d7c95ed0ec93aa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 11:21:13 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.cup.hp.com (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: CW Filters
Message-ID: <7120135@hpcupt1.cup.hp.com>
Date: 18 Oct 90 18:21:13 GMT
References: <1990Oct16.133310.1130@cbnews.att.com>
Organization: Hewlett Packard, Cupertino
Lines: 22
Posted: Thu Oct 18 19:21:13 1990

Of course the real question is can you copy the code in your head, have to write the letters down, or do you use the now disputed method of writing out the dots and dash do decode at your leasure. But wait!! Can the police dispatcher copy CODE?????? Do they have to pass a code test for a third class license??? My dear, Pandora's box is open full and all the snakes are out now!!!

On the filters, I have both a 500hz and 250hz in my TenTec. If the bands are not crowded the SSB filter is fine, if things are more active I like the 500hz. The 500hz is the filter I used most, it gives reasonable tuning ability and keeps the QRM at bay. The 250hz is only used during contest weekends or figthing the pileups on DXpeditions. The 250hz filter is very sensitive to tuning and is some what on the ringy-dingy side. Given a choice of one or the other, I would opt for the 400hz filter.

If I have offened the units GODS, please accept my humble appologies.
I don't known if the darn things are hz or HZ. Things were simplier
when they were cycles.
73's
Jim,WA6SDM
jholly@hpcupt1.hp.com

From 5160066034638628258
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 11:46:40 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Re: Antenna Restrictions
Message-ID: <4272@altos86.Altos.COM>
Date: 18 Oct 90 18:46:40 GMT
References: <9010082140.AA18619@tilde> <7880314@hpfcdc.HP.COM>
<1990Oct17.204646.19836@informix.com>
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 66
Posted: Thu Oct 18 19:46:40 1990

In article <1990Oct17.204646.19836@informix.com> randall@informix.com (Randall Rhea) writes:

>I have a couple of questions for those of you out there who have experience
>in this area:
>
>1. I have heard that recently all city ordinances involving TVI were
>declared unconstitutional, as this is the exclusive juristiction of the FCC.
>Can an apartment complex or homeowners association ban the use of ham
>radio transmitters?

I don't think the FCC has ever preempted TVI ordinances. They did, in PRB-1, preempt city antenna ordinances. The order in PRB-1 is a limited premption--it didn't declare anything unconstitutional, only a court can do that.

I suppose there may be apartment complexes and homeowners associations that have attempted to ban the use of ham transmitters, but I've never heard of any.

Unfortunately, the restrictions are disclosed to you before you sign the lease or sales contract, so any such restrictions are legally binding. Your best bet is to read the lease or contract carefully before signing away your rights.

>
>2. Can homeowners associations ban antennas, or place height restrictions
>on antennas? Can city governments go the same? I assume that height
>restrictions are OK.

Yes, homeowners associations can, and increasingly often do, ban antennas
or place height or type restrictions on them. Their authority is a deed
covenent that runs with the property and is transferred to the new buyer
if you sell the property.

City governments can do the same, however, using PRB-1, these restrictions
can be overturned or relaxed. Note that PRB-1 doesn't apply to deed
restrictions.

>3. What can hams do to fight against such rules?
>--

In the case of homeowners associations, there are several routes:

1. Apply for an exemption with the architectural committee.

This is difficult because the committee has no incentive to make such an
exemption.

2. Secure enough votes amoung the homeowners to remove the restriction.

Even more difficult since it's hard to convince the needed 2/3 or 3/4 of
the homeowners that it would be in their best interests to let you put
up what is, to them, an ugly eyesore.

I'm hoping for a court ruling that will declare the more restrictive
covenents (those that don't allow any antennas at all) an unconstitutional
violation of free speech.

```
--
Jerry Gardner, NJ6A                        Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos!jerry   2641 Orchard Parkway
Internet: jerry@altos.com                  San Jose, CA  95134
Guns don't kill people, bullets do.                 (408) 432-6200
```

```
From 9104064831757570030
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f6225f33561a619a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 11:54:21 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!portal!cup.portal.com!onymouse
From: onymouse@cup.portal.com (John - DeBert)
Newsgroups: rec.ham-radio
Subject: Re: privacy, was CBS . . .
Message-ID: <35000@cup.portal.com>
```

Date: 18 Oct 90 18:54:21 GMT
References: <9010161525.AA17899@lonex4.radc.af.mil>
Organization: The Portal System (TM)
Lines: 13
Posted: Thu Oct 18 19:54:21 1990

>Anybody who would put a transmitter in their house (baby monitors), cordless
>phones, or use cellular, should realize that they are "transmitting".
>

People who are not initiated into the nature of radio find it inconceivable that >>ANYONE<< can tune into their cordless phones, et cetera. They seem to believe that there is some magical, invisible cable connecting the sets together and that it is just like a regular phone wire - only invisible!

How do you educate them - gently?

jd
onymouse@netcom.UUCP
        @cup.portal.com

From -8343631248520086170
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f840390223130a80,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 14:33:26 PST
Path: gmdzi!unido!mcsun!uunet!midway!linac!uwm.edu!bionet!agate!ucbvax!lynx.northeastern.edu!sehrlich
From: sehrlich@lynx.northeastern.edu
Newsgroups: rec.ham-radio
Subject: Calls
Message-ID: <memo.494350@lynx.northeastern.edu>
Date: 18 Oct 90 21:33:26 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 23
Posted: Thu Oct 18 22:33:26 1990

I have a question regarding call signs. If some people let their calls lapse after their license has expired, or some other situation occurs where a person's call sign is no longer valid (upgrades w/request for a new call sign?), where do those calls go?
Why does the FCC go "backwards" with calls when someone passes their exam for a higher level? Why not reuse (recycle) calls which were given but no longer in use (valid?)
Also, what happens when all possible calls for all classes are gone?
Will we be using new letters? Recycle old calls? Go into longer calls (Novice -> 3 x 4/4 x 3, Technician/General -> 2 x 3/3 x 2), etc.?
And finally, what ever happened to the "other way"? By 'other way', I am referring to the fact that the Technician license is generically known by the 1 x 3 format, Novice by the 2 x 3 format, etc. If the FCC is running out of these, what ever happened to the inverse -> Novice 3 x 2, Technician/General 3 x 1? Do we see many of these formats

around? No. (At least I haven't seen the 'inverse' format around too much.

Thanks.

Just wondering.

Scott (sehrlich@lynx.northeastern.edu)
- Call sign pending -

From -6913274855534949537
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd04e740304845aa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 15:13:43 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: CW, etc.
Message-ID: <9010182213.AA18387@tilde>
Date: 18 Oct 90 22:13:43 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Thu Oct 18 23:13:43 1990

Check this out: 5WPM=25 characters per minute= one chare
character every 2.4 seconds. I figure that there is an average
three dits or dahs per character, ergo there is about one
dit or dah every 0.8 second. Boy, that's SLOW.
73   Dube   N5PDK

From -5218167790197526626
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 15:18:00 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Message-ID: <30500799@ux1.cso.uiuc.edu>
Date: 18 Oct 90 22:18:00 GMT
References: <30583@netnews.upenn.edu>
Lines: 75
Nf-ID: #R:netnews.upenn.edu:30583:ux1.cso.uiuc.edu:30500799:000:3615
Nf-From: ux1.cso.uiuc.edu!phil   Oct 18 17:18:00 1990
Posted: Thu Oct 18 23:18:00 1990

> > What grade of service does everyone else get that allows 9-1-1 callers

> > to DICTATE to the PSAP what goes into the ALI database?
> >
> > This is just TOO much!
>
> Everyone who needs to call for emergency service has access to
> the E9-1-1 system, EXCEPT HAMS. This looks like a problem to me.

In a panic situation, you somehow forgot to tell the dispatcher your location and the dispatcher never asked for it. After a few minutes pass, you call back wondering where the emergency vehicles are. The dispatcher tells you that they are on location now and are unable to find where any problems are. You tell them that two vehicles are on fire now, and they tell you there are no other vehicles on the hill and no smoke to be seen anywhere. Eventually you figure out they are dispatched to where the phone line is installed, are the wrong jurisdiction, and the dispatcher is now sending out a response to the location you indicate. Someone could DIE 1 minute before arriving at the hospital.

Hams do have access, but it might not be properly identified, and that might cause problems in some (rare?) cases.

> > Problem: When dialing 9-1-1 from the repeater autopatch, the repeater
> > location shows up on the screen at the 9-1-1 center, which could
> > POSSIBLY (not likely) confuse the operator.
>
> Yes it could, unless the ALI was modified (I've seen it done - I
> have worked in a real, live E9-1-1 PSAP myself) and the operators were
> properly trained.

What do you normally get to find out about a call?

What would you think would be best to see in place of (or in addition to) that information to properly tell you about a ham repeater/autopatch that has coverage over a wide (possibly multi-jurisdiction) are?

> > The solution is to eliminate the ALI (Automatic Location
> > Identification).
>
> Wrong. The solution is to IMPROVE the ALI.

I think Tad's "solution" was a reasonable TEMPORARY one to deal with the "mismanagement" that appears to exist in his jurisdiction. There being no ALI at all at least gets the dispatcher to ask for the needed information instead of assuming what the computer gives them is correct (read my case scenario above). Commentary ALI that describes to the dispatcher exactly what the situation with that phone line is will certainly be better.

> > Now Mr. Stark Raving Ham is PISSED OFF, because....well, no one's
> > really sure WHY he's upset...he just usually is.
>
> I have not engaged in any personal attacks, which is how
> "flaming" is defined. Care to describe the above comment?

Actually, "flaming" can include direct attacks on ideas as well. When
someone is (perceived to be) upset, their statements can also be
interpreted as an attack as well.

> > This guy actually sent me mail, saying he USED to think Seattle
> > was an OK place before he read rec.ham-radio and found out what
> > a LOUSY 9-1-1 system it has!
>
>   I would like to see a copy of this alleged mail. I sent no such
> message. Show me. Now.

That was one of the errors. I sent that mail to Tad, and he got it
confused. But he did catch it shortly thereafter, although I did not
get that one before I made another posting dealing with that. Some
of my mail was bording on the "flame" side, so that is probably much
of the source of confusion. Things are settling down on this issue
a little bit, so maybe we will soon come to a convergence of understanding.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -1558883092503751936
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db96dcdd679c4e46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 15:54:00 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V90 #296
Message-ID: <30500800@ux1.cso.uiuc.edu>
Date: 18 Oct 90 22:54:00 GMT
References: <9010101401.AA12556@ucsd.edu>
Lines: 76
Nf-ID: #R:<9010101401.AA12556@ucsd.edu>:-29:ux1.cso.uiuc.edu:30500800:000:4091
Nf-From: ux1.cso.uiuc.edu!phil   Oct 18 17:54:00 1990
Posted: Thu Oct 18 23:54:00 1990

>   Perhaps another issue has crept in here that obscures the
> original argument. Do you transmit "out-of-band" as a ham or as an
> authorized member of an agency with operating authority on those
> frequencies? (I am assuming that, as you state, the equipment itself
> is legal re certification.)

In my own case, I an trying to examine BOTH possibilities:

1. I could operate AS A HAM, on a public service frequency (violating
    97.301), using a non-type-accepted radio (irrelevant AS a ham),
    and invoke 97.403 to cover the violation of 97.301 for the type
    of emergency intended to be covered by 97.403 (whatever that is).

2. I could operate as a member of the public service agency I volunteer for, on a public service frequency not normally used by that agency, communicating with dispatchers that ARE familiar with that agency (we sometimes borrow a dispatcher for our storm spotting), but using my modified ham radio equipment that is NOT type-accepted and is NOT certified. This would be in violation of FCC rules I don't have copies of right here, but might also be exempted similar to 97.403.

The only case I am concerned with is a REAL EMERGENCY. There appear to be many hams and non-hams using non-type-accepted nor certified equipment in routine public service/safety roles. But that is an issue I am not now addressing, so I please don't get these things confused.

> If you transmit on frequencies allocated to another service as a member of that service, then Part 97 does not apply to your communications at all. You are then bound by the applicable regs for the service you are using and the general regs for all radio users. The fact that you also happen to be licensed under Part 97 as an individual is immaterial.

Agreed. That DID begin with an "If".

> In my *opinion* this is different from the case of a ham who takes his HT, which is only certificated for amateur use, and modifies it for out of band coverage for whatever reason. If he can get the radio certified/type accepted/whatever by the FCC for the additional frequency coverage, the radio itself is legal. Then all he needs is a license in the appropriate other radio service OR authorization from a licensee to transmit under their license. That takes him completely out of Part 97.

That is *IF* the ham is going to use the radio in that service.
This would apply just as well to a NON-ham who has ham equipment.

> Remember that this whole thing got started by somebody who stated he was trying to access non-ham repeaters with ham equipment and wanted advice on how to attain the odd split. Nothing in the message offered any evidence of type acceptance for his radio to go outside the ham bands, nor did he mention any authorization or licensure for non-ham transmission. If properly licensed outside of the amateur service, he could have simply contacted a service shop or the manufacturer for this info. Even if he simply preferred to ask fellow hams for advice, mentioning the above might have made life easier.

I contacted a service shop just to see, and they had no idea of what I was talking about. I guess I need to go read all the rules on that.

> The beginning of Part 97 (Basis and Purpose) mentions "self policing" as one of the traits of the amateur service. I don't think any of us take that to mean playing radio cop with each other. I do believe that it obligates us to at least try to keep each other out of trouble.

Just picking nits here, if the "ham" was going to be operating ILLEGALLY
in another service, it would NOT fall under Part 97 Basis and Purpose for
self policing. You could just turn him in to the FCC or you could just
forget it. On the other hand you may have done him a favor by telling him
that he might be setting himself up for legal problems.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -6343259416714355645
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 15:59:37 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ncar!asuvax!
anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Antenna Restrictions
Message-ID: <5113@qip.UUCP>
Date: 18 Oct 90 22:59:37 GMT
References: <9010082140.AA18619@tilde> <7880314@hpfcdc.HP.COM>
<1990Oct17.204646.19836@informix.com>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 20
Posted: Thu Oct 18 23:59:37 1990

In article <1990Oct17.204646.19836@informix.com> randall@informix.com (Randall
Rhea) writes:
]
]1. I have heard that recently all city ordinances involving TVI were
]declared unconstitutional, as this is the exclusive juristiction of the FCC.
]Can an apartment complex or homeowners association ban the use of ham
]radio transmitters?

Yes, yes.

]2. Can homeowners associations ban antennas, or place height restrictions
]on antennas? Can city governments go the same? I assume that height
]restrictions are OK.

Yes they can.
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From -6294103575032727524

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c51607fc93a97fac
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 16:01:00 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!
phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Flaming newbies and public service
Message-ID: <30500802@ux1.cso.uiuc.edu>
Date: 18 Oct 90 23:01:00 GMT
References: <2716@<98>
Lines: 23
Nf-ID: #R:<98:2716:ux1.cso.uiuc.edu:30500802:000:911
Nf-From: ux1.cso.uiuc.edu!phil    Oct 18 18:01:00 1990
Posted: Fri Oct 19 00:01:00 1990


> From: David.Stark,.NF2@f218.n260.z1.FIDONET.ORG
                   ^
[deleted]
> --
> *%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*
> David Stark, NF2G - via FidoNet node 1:260/230
> UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark,.NF2G
                                                         ^
> INTERNET: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG
                       ^
> *%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*

Could I get a syntactically valid e-mail address for you so I can send
some responses by e-mail?  Commas are separaters between addresses and
are not valid in an address.  I guess I will give a try to:

    David.Stark@f218.n260.z1.FIDONET.ORG

and see if that works.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From 5006859321187954355
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7ba1b104af081a8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 16:10:31 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!ncar!asuvax!
anasaz!qip!rusty
From: rusty@qip.UUCP (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and intermodulation.
Message-ID: <5114@qip.UUCP>
```

Date: 18 Oct 90 23:10:31 GMT
References: <1409@ke4zv.UUCP> <5022@qip.UUCP>
<1990Oct15.005719.10840@Neon.Stanford.EDU>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 16
Posted: Fri Oct 19 00:10:31 1990

In article <1990Oct15.005719.10840@Neon.Stanford.EDU> kaufman@Neon.Stanford.EDU
(Marc T. Kaufman) writes:
>
>OR... just replace the outdoor antenna with a rubber duck.
>[there, I think that completes the circle!]
>
>Marc Kaufman (kaufman@Neon.stanford.edu)

Or, get one of those mag mount rubber ducks (I had always wondered why
in the world anyone would want a mag mount rubber duck, now I know!) :-)

--
+++ 73 de N7IKQ +++
Rusty Carruth   {ames!ncar!noao!asuvax,mcdphx}!anasaz!rusty
P.O. Box 27001, Tempe, AZ 85285   anasaz!rusty@asuvax.eas.asu.edu
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz

From 598957082274163685
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc60d0a31f629acc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 16:11:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!swrinde!
zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: DAB taking ham freqs?
Message-ID: <30500803@ux1.cso.uiuc.edu>
Date: 18 Oct 90 23:11:00 GMT
References: <271711@<100>
Lines: 45
Nf-ID: #R:<100:271711:ux1.cso.uiuc.edu:30500803:000:2062
Nf-From: ux1.cso.uiuc.edu!phil   Oct 18 18:11:00 1990
Posted: Fri Oct 19 00:11:00 1990

> > >   Maybe we can convince the FCC to redefine "crossbanding" or at
> > > least reduce the restrictions on its use.
> >
> > What Fred was referring to, I believe, is the fact that radios themselves
> > tend to (initially for marketed ones) be ONE BAND radios. The 12cm and
> > 13cm bands are close enough to be ONE BAND for the purpose of designing a
> > radio. In fact they once were one band, and in the rules both stretches
> > of spectrum are referred to as 13cm.

>
> I see. I guess what I was thinking of is more along the lines
> of "auxiliary" operation, which (I think) must be done on a different
> band from the main transmission. There are restrictions in the rules
> as to who may engage in auxiliary operation.

97.201 covers the rules on Auxiliary operation. In summary:

Frequencies allowed:	License classes required:
220.5-225 MHz	Technician
420-431 MHz	General
433-435 MHz	Advanced
438-450 MHz	Extra
all higher bands	

Automatic control is prohibited unless it is part of a repeater system that is under automatic control.

The same rule about interference between coordinated and non-coordinated stations applies as it does for repeaters.

One way transmissions are authorized.

Also from 97.213:

Remote control via radio requires use of an auxiliary station.

But I cannot find any rule that says that the auxiliary station has to be on a different band (than, I guess, whatever other stations it is connected to). Usually it is a TECHNICAL need to do this, but if you can overcome that need (e.g. a set of cavities) you could operate INBAND. But clearly you cannot be INBAND on 2 meters since you cannot operate the auxiliary station there at all. But I see no problem with doing it on 220 or 420.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 6780010868032216154
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2107e76d70386b42,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 16:15:52 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!zaphod.mps.ohio-state.edu!ncar!asuvax!anasaz!qip!rusty
From: rusty@qip.UUCP (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: The Return of the Un-Net!!!
Summary: Saturdays, 1700-1900z, 28.390 or 28.410 MHz
Message-ID: <5115@qip.UUCP>
Date: 18 Oct 90 23:15:52 GMT
Organization: Anasazi, Inc. Phoenix, Az
Lines: 18

Posted: Fri Oct 19 00:15:52 1990

Well, I've been kicked into starting the un-net once again.
My 10m rig is currently on mothballs :-), but thats no reason for
EVERYONE to stop un-netting. So, everyone, lets see some 10m activity
on Saturdays at 1700 UCT through 1900 UCT. Check on or around 28.390MHz
and 28.410 MHz, USB. (USB? LSB? Shucks, I forget! Boy, has it really
been THAT long? Use whatever is standard for that band...)

If 1700 through 1900 is very bad (or if you just prefer a different time),
email me and I'll start a 'real vote' on the issue (whatever "real vote"
means :-).

So, grab your 10m rig and talk to your usenet friends!

```
--
+++  73 de N7IKQ  +++
Rusty Carruth               {ames!ncar!noao!asuvax,mcdphx}!anasaz!rusty
P.O. Box 27001, Tempe, AZ 85285         anasaz!rusty@asuvax.eas.asu.edu
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz
```

From -6835355957714840816
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f6225f33561a619a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 16:15:53 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!uwm.edu!bionet!agate!shelby!ptolemy!fariss
From: fariss@ptolemy.arc.nasa.gov (Gary B. Fariss)
Newsgroups: rec.ham-radio
Subject: Re: privacy, was CBS . . .
Message-ID: <8828@ptolemy.arc.nasa.gov>
Date: 18 Oct 90 23:15:53 GMT
References: <9010161525.AA17899@lonex4.radc.af.mil> <35000@cup.portal.com>
Sender: usenet@ptolemy.arc.nasa.gov
Organization: NASA-Ames Research Center, Moffett Field, CA
Lines: 29
Posted: Fri Oct 19 00:15:53 1990

In article <35000@cup.portal.com> onymouse@cup.portal.com (John - DeBert) writes:
>>Anybody who would put a transmitter in their house (baby monitors), cordless
>>phones, or use cellular, should realize that they are "transmitting".
>>
> People who are not initiated into the nature of radio find it inconceivable
> that >>ANYONE<< can tune into their cordless phones, et cetera. They seem
> to believe that there is some magical, invisible cable connecting the sets
> together and that it is just like a regular phone wire - only invisible!
>
> How do you educate them - gently?
>
>jd
>onymouse@netcom.UUCP

> @cup.portal.com

I saved this from the net a while ago:

Albert Einstein, when asked to describe radio, replied: "You see, wire telegraph is a kind of a very, very long cat. You pull his tail in New York and his head is meowing in Los Angeles. Do you understand this? And radio operates exactly the same way: you send signals here, they receive them there. The only difference is that there is no cat."

```
==============================================================================
73, Gary B. Fariss        fariss@pluto.arc.nasa.gov            W6KYF @N6LDL
                          Recom Technologies, Inc. @ NASA Ames  415/694-3181
                          Mountain View, California 94035       MS: 244-4
```

From -8701780892476326884
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f6225f33561a619a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6c1c4d7f2d7c3184,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,6c1c4d7f2d7c3184,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,6c1c4d7f2d7c3184,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-10-18 16:20:27 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!noose.ecn.purdue.edu!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: privacy, was CBS . . .
Message-ID: <291.271DE138@w8grt.fidonet.org>
Date: 18 Oct 90 23:20:27 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 40
Xref: gmdzi rec.radio.shortwave:2456 rec.ham-radio.swap:700 rec.ham-radio.packet:2932 rec.ham-radio:15872
Posted: Fri Oct 19 00:20:27 1990

> From: szarekw@LONEX.RADC.AF.MIL (William J. Szarek)
> Date: 16 Oct 90 15:25:01 GMT
> Organization: The Internet
> Message-ID: <9010161525.AA17899@lonex4.radc.af.mil>
> Newsgroups: rec.ham-radio
>
> Anybody who would put a transmitter in their house (baby monitors),
> cordless
> phones, or use cellular, should realize that they are "transmitting".

Why? The average layman doesn't know beans about the technology of HOW those things work. The "expectation of privacy" concept of someone whose only knowlege of radio is that it's like TV only without pictures is totally different from a ham's or an engineer's. I once tried explaining to a friend that her baby monitor could be heard as much as 1/4 mile away. She refused to believe me ("because I've got the other half of the pair").

> IMHO if "their" transmissions are in "my" air then they are "mine".

Aside from the question of whether it's "your" air exclusively, there's the question of whether the information content ownership is a separate issue from the possession of the signal by which it is transmitted. So far, the courts have agreed that it is.

I think swls are going to have to get used to the idea that as radio use for such applications increases, the pressure to guarantee privacy is going to increase.

Moreover, there is the fundamental issue: why would any decent person WANT to eavesdrop on the private lives of others?

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From -7811224984419733960
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db96dcdd679c4e46
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,4ee90c55ae48b2f5,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,4ee90c55ae48b2f5,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,4ee90c55ae48b2f5,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-10-18 16:20:27 PST
Path: gmdzi!unido!mcsun!uunet!nih-csl!lhc!mimsy!haven!aplcen!samsung!noose.ecn.purdue.edu!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: Re: Info-Hams Digest V90 #296
Message-ID: <289.271DA915@w8grt.fidonet.org>
Date: 18 Oct 90 23:20:27 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 28

```
Xref: gmdzi rec.radio.shortwave:2455 rec.ham-radio.swap:699 rec.ham-radio.packet:2931 rec.ham-radio:15871
Posted: Fri Oct 19 00:20:27 1990


 > From: kaufman@Neon.Stanford.EDU (Marc T. Kaufman)
 > Date: 16 Oct 90 16:02:27 GMT
 > Organization: Computer Science Department, Stanford University
 > Message-ID: <1990Oct16.160227.21200@Neon.Stanford.EDU>
 > Newsgroups: rec.ham-radio
 >
 > In article <114.271AB192@rochgte.FIDONET.ORG> David.Stark,
 > .NF2G@f218.n260.z1.FIDONET.ORG (David Stark, NF2G) writes:
 >
 > [start of biennial flame]- MTK
 >
 > >      Aye, there's the rub, those last 5 words.  The out-of-band
 > >transmissions, no matter how well-intentioned, are still illegal.
 >
 > This may be true (or it may not, depending on whether you think an FCC
 > regulation has the same force as a LAW passed by congress).

Considering that Congress created the FCC to act in its behalf, I'd say, YES.

--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ___________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"


From -4941409295368671933
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,962e08cd6f381
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,8fe9c7ec76a10335,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 114aac,962e08cd6f381
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,8fe9c7ec76a10335,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-10-18 16:20:27 PST
Path: gmdzi!unido!mcsun!uunet!nih-csl!lhc!mimsy!haven!aplcen!samsung!
noose.ecn.purdue.edu!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: Laws against scanners
Message-ID: <293.271DE149@w8grt.fidonet.org>
Date: 18 Oct 90 23:20:27 GMT
```

Organization: QRV de W8GRT, Sylvania, OH
Lines: 68
Xref: gmdzi rec.radio.shortwave:2459 rec.ham-radio.swap:703 rec.ham-radio.packet:2934 rec.ham-radio:15875
Posted: Fri Oct 19 00:20:27 1990

> From: randall@informix.com (Randall Rhea)
> Date: 17 Oct 90 21:32:49 GMT
> Organization: Informix Software, Inc.
> Message-ID: <1990Oct17.213249.21203@informix.com>
> Newsgroups: rec.radio.shortwave,rec.ham-radio
>
> In article <265.27190D02@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org
> (Jim Grubs) writes:
> >
> >Finally, the anthropological concepts regarding territoriality come into
> play
> >here. Listening to the police, the hams, or even the government is one
> thing,
> >but invading peoples' "personal space" by eavesdropping on their home
> >cordless telephones or their baby monitors is quite another. Their
> >"expectation of privacy" is likely to become a non-negotiable demand, and
> >since there are several hundred million more of them than there are of us,
> >guess who is going to lose - REAL QUICK!!!
>
> This is another example of how new technology forces us to re-think our
> constitutional rights. There are very good arguments on both sides. The
> last I heard, the ACLU was siding with those who want restrictions
> placed
> on scanners, a position that surprised me. The "rights" of cordless
> phone
> users are clearly at odds with the "rights" of scanner enthusiasts.
>
> My opinion is that everyone does indeed have a "personal space" which
> must be protected. HOWEVER, when you transmit a radio signal, you are
> sending that signal well beyond your "personal space." If your RF
> signal
> goes into MY "personal space", then I have the right to monitor it. To
> deny
> me that right is to invade MY privacy.

There will no doubt be a contention that transmitting certain types of radio signals (such as baby monitors and cordless telephones) ENLARGES the personal space. I grant the right to determine if an RF signal entering my space harms me in some way. I doubt that that requires that I inspect the information contents of that RF signal.

> Think about it ... If monitoring cordless phones is illegal, then what
> we
> are saying is that the cordless phone user "owns" the signal.

No, only the information.

> It should be noted that authoritarian regimes tend to place
> restrictions on radio receivers. It's pretty dangerous to have all that
> free-thought being picked up by the masses.   Laws against radio
> receivers
> are censorship, plain and simple.

Strange, but the U.S. is one of the very few places where people feel this way. In most other countries, including very democratic countries, the attitude is that the public only has the right to listen to radio transmissions that are the public's business. Listening to "private" radio transmissions is forbidden. ("That's rude, old boy!")

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From -3577010998735263960
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,997b9ff3416fdfdc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,2e0b1736e649ffac,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,2e0b1736e649ffac,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,2e0b1736e649ffac,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-10-18 16:20:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!samsung!noose.ecn.purdue.edu!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Looking for MARS in CA
Message-ID: <292.271DE141@w8grt.fidonet.org>
Date: 18 Oct 90 23:20:27 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 33
Xref: gmdzi rec.radio.shortwave:2458 rec.ham-radio.swap:702 rec.ham-radio.packet:2933 rec.ham-radio:15874
Posted: Fri Oct 19 00:20:27 1990

> From: tucker@eedsp.gatech.edu (Jeff Tucker)
> Date: 17 Oct 90 19:51:08 GMT
> Organization: Georgia Institute of Technology

> Message-ID: <1275@eedsp.eedsp.gatech.edu>
> Newsgroups: rec.ham-radio
>
> I'm looking for a MARS affiliate station in the Sacramento area. Just
> now,
> a lady in CA called the GA Tech club phone and asked about contacting
> Saudi Arabia via amateur radio. I explained to her what MARS was and
> told
> her I would try to help her locate someone.
>
> Is it possible to initiate a contact from this side? Or does it have to
> be initiated from the military station overseas? Anyway, if someone

If you are speaking of 'phone patches, yes, it must originate there. If you mean can you send a MARSgram, the answer depends on whether the APO/FPO zip is on the approved list. This is not automatic for all APO/FPO numbers everywhere. It depends on whether there is a MARS station for that immediate area.

Recreation contacts (other than overseas morale 'phone patches) are never authorized.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

```
From -3880043691420878557
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c29d8abefd012d5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 16:23:00 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V90 #309
Message-ID: <30500804@ux1.cso.uiuc.edu>
Date: 18 Oct 90 23:23:00 GMT
References: <9010132147.AA00283@ucsd.edu>
Lines: 48
Nf-ID: #R:<9010132147.AA00283@ucsd.edu>:-29:ux1.cso.uiuc.edu:30500804:000:2702
Nf-From: ux1.cso.uiuc.edu!phil    Oct 18 18:23:00 1990
Posted: Fri Oct 19 00:23:00 1990
```

>   I don't see RACES' function as H&W traffic handler. I was
> referring to actual emergency "tactical" traffic in direct support of
> Public Safety and relief agencies. Even when working with the fire
> department, we don't transmit on fire frequencies AS HAMS. They can

> certainly provide us with fire portables if they feel it's necessary. They can also provide CBers, other volunteers and the average person in the street who doesn't know what a PTT is with a radio if they so desire.
>
> Usually, however, the served agencies do not want the ham communicators on their agency channels.
>
> > *NOT* because I am a ham; I'd do it if I was not a ham. The
> > radio happens
> > to be there because I am a ham. I would also cite amateur rules after the
> > fact when responding to agencies about the matter.
>
> You might have less trouble with the FCC if you cited the other emergency rules and left Part 97 out of it. I would rather say that I used an available police radio as a concerned citizen than as a ham transmitting out of band.
>
> That is only my opinion, however. I am not a communications lawyer or FCC investigator. It might be an interesting question to pose to someone who is.

In my case I'm not talking about being in a "routine" situation, such as your firefighter example. I am concerned about the SUDDEN EMERGENCY situation where SECONDS might even determine if someone dies. I'd rather arguing my case in front of an FCC judicial administrator rather than going through a few years of psychological counselling because I let someone die because I looked for a phone instead of using a radio I have.

Secondly, I would NOT pose the question for any sort of "official" answer outside of an actual case because there are too many possibilities. This is ONE of the reasons many laws are intentionally written vague. If you ask an FCC investigator or staff lawyer, they could very well say "no" when, if they were your judge, they would say "not-guilty", just because of the nature of their functional role in the FCC. Do not pose the question to them. If you want a legal analysis of it, your laywer or a communications attorney would be the proper people to see.

Agencies certainly don't want others on their frequency, mostly because there are people who, mostly from lack of training, would interfere with their operation. Unfortunately there are a lot of people out there who would be what these agencies fear, and these people have ham tickets, too.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 8819873601572187425
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5bf368b834cbdc71,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 16:27:56 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!ncar!asuvax!anasaz!qip!rusty
From: rusty@qip.UUCP (Rusty Carruth)

Newsgroups: rec.ham-radio
Subject: The return of the callsign project!
Summary: 1990 invocation
Keywords: callsign project folks
Message-ID: <5117@qip.UUCP>
Date: 18 Oct 90 23:27:56 GMT
Organization: Anasazi, Inc., Phoenix Az.
Lines: 30
Posted: Fri Oct 19 00:27:56 1990

Well, I've gone and done it. I ordered the FCC Ham radio master database, to be current as of 10-19-90 (thats Friday, as in the day after I posted this). I hope it will arrive sometime before the end of November.

Those of you who know what this is, the queue will be FIFO, so the first tapes will go out first. As I mentioned, our cost went up a bit, and I may have some trouble with cartridges, but the race is on. (For those of you who don't know wht this is, and would like to know, email and I'll explain.) Notice that the NTIS did us over again, so our cost went up to $25 each. Sorry about that.

Oh, yes - my address changed. It is now either

Rusty Carruth @ P.O. Box 27001, Tempe AZ 85285 (just like my .sig says!)
   or
Rusty Carruth @ 245 W. 10th Place #6, Mesa AZ 85201.

The advantage of using the p.o box is its safer. The advantage of using my home address is its a bit faster, but they will probably leave the media outside, so safety will be lower. It is your media, you choose.

Any questions, email or call. (602) 953-4456 daytime, 898-9274 eves (but please, after 6pm and before 9pm MST (NOT Daylight savings time!))

```
--
+++  73 de N7IKQ  +++
Rusty Carruth               {ames!ncar!noao!asuvax,mcdphx}!anasaz!rusty
P.O. Box 27001, Tempe, AZ 85285         anasaz!rusty@asuvax.eas.asu.edu
Join the Usenet Un-Net on 10M, saturdays, 1700-1900Z, 28.410 or 28.390 MHz
```

From -2561570866190146625
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e14ed0b1095cae9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 16:43:00 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: "wireless lan" for 902-928Mhz
Message-ID: <30500805@ux1.cso.uiuc.edu>
Date: 18 Oct 90 23:43:00 GMT

References: <40999@cci632.UUCP>
Lines: 9
Nf-ID: #R:cci632.UUCP:40999:ux1.cso.uiuc.edu:30500805:000:275
Nf-From: ux1.cso.uiuc.edu!phil   Oct 18 18:43:00 1990
Posted: Fri Oct 19 00:43:00 1990

There are two difference between wireless lans and ham packet radio:

1. We cannot encrypt.

2. We can use more power.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 5955245432042317423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd04e740304845aa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 16:44:00 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: CW, etc.
Message-ID: <30500806@ux1.cso.uiuc.edu>
Date: 18 Oct 90 23:44:00 GMT
References: <9010182213.AA18387@tilde>
Lines: 7
Nf-ID: #R:<9010182213.AA18387@tilde>:-26:ux1.cso.uiuc.edu:30500806:000:309
Nf-From: ux1.cso.uiuc.edu!phil   Oct 18 18:44:00 1990
Posted: Fri Oct 19 00:44:00 1990

The exact method to figure out the dit timing for a word is to use "Paris" as the word. Go from there and don't forget to include the inter-word spacing.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -5675235366906493964
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d37ed42e96cad0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 17:29:53 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!wuarchive!udel!masters
From: masters@freezer.it.udel.edu (paul masters)
Newsgroups: rec.ham-radio

Subject: VVV
Message-ID: <33914@nigel.ee.udel.edu>
Date: 19 Oct 90 00:29:53 GMT
Sender: usenet@ee.udel.edu
Organization: University of Delaware -- ACIT Sun Lab
Lines: 15
Posted: Fri Oct 19 01:29:53 1990
Nntp-Posting-Host: toffee.it.udel.edu

1] This is suposed to go out to the world, could some of you verify
that this article is distributed this way. (just a few comments).

2] The real question: I hear VVV a lot when i listen to CW signals,
and I know it is used on the code exam, what does it mean? I can't find
any explanation of it in the exam study guides.

Paul Masters

--
I will not waste chalk..I will not skateboard down the halls..I will not
burp in class..I will not instigate revolution..I will not draw naked ladies
in class..I did not see Elvis..I will not call my teacher "Hot Cakes"..
Garlic gum is not funny..They are Laughing at me, not with me.....

From 6039249062892247555
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5b8660cd02ef1cab
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 17:57:53 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!bionet!synoptics!unix!hplabs!hpda!hpwala!hpnjld!eyg
From: eyg@hpnjld.HP.COM (Ed Gilbert)
Newsgroups: rec.ham-radio
Subject: Re: Dipoles
Message-ID: <4140022@hpnjld.HP.COM>
Date: 19 Oct 90 00:57:53 GMT
References: <4263@altos86.Altos.COM>
Organization: Hewlett Packard NJD, Rockaway NJ
Lines: 9
Posted: Fri Oct 19 01:57:53 1990

> Anyone know the effect wire insulation has on the length of a resonant
> dipole? I've always used the formula 468/freq to calculate the length
> of bare-wire dipoles. What does the numerator change to if the wire
> is insulated?

I would be very surprised if the insulation has any effect at all. Treat
it the same as bare wire for resonant length purposes.

WA2SRQ

From 4603186533481936911
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55888b98d8a29769
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 18:15:36 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!milton!dali.cs.montana.edu!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: deed restrictions
Message-ID: <7880319@hpfcdc.HP.COM>
Date: 19 Oct 90 01:15:36 GMT
References: <11088@hacgate.UUCP>
Organization: HP Fort Collins, Co.
Lines: 42
Posted: Fri Oct 19 02:15:36 1990

>According to my ex-lawyer, who wrote and enforced deed restrictions, there is another way to break them: abandonment. If you violate the restriction, and after a "reasonable" time no-one challenges you on it, the court MAY hold that they abandoned the contract by failing to enforce it.

This is true. I've had my HF6VX up for two years now. Nobody complained. [BTW, the ground-mounted vertical is probably the most discreet antenna around - I put mine next to the house, and it disappeared.]

As a practical matter, the enforcement of CCRs is usually turned over to a homeowner's association. Unless they have an extremely vigorous enforcement gestapo, contract abandonment is very likely. The only other people that could report you to the gestapo (the neighbors) probably don't even remember all the fine print on the CCR document and the other flurry of documents they signed when their house closed.

>The problem is that both of these routes are expensive, risky and can lead to neighbor problems (which is bad new for everyone). We had a ham here in AZ who spent $22,000 fighting deed restrictions that had prohibitted him from putting up a dipole, and he lost the case.

The other practical aspect of homeowner's assn enforcement is that most of them are flat-broke. The legal strategy is to get your lawyer to file expensive and time-consuming motions until their money runs out.

>I am not a lawyer. These are just my opinions. Your mileage may vary.

I'm not a lawyer, either. These are just some personal observations from another ham stuck under a CCR.

I wonder now if, because the antenna clause was abandoned on my CCR on enforcing the HF6VX on the ground, I can now put up a "real" antenna on top of the roof. (heh, heh, heh.)

>John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john

Perry Scott
KF0CA

```
From 9045490152742507596
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4fddbe0d1e4f804
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 18:27:30 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!milton!
dali.cs.montana.edu!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!hplabs!
hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Code & other requirements
Message-ID: <7880320@hpfcdc.HP.COM>
Date: 19 Oct 90 01:27:30 GMT
References: <9889@tekigm2.MEN.TEK.COM>
Organization: HP Fort Collins, Co.
Lines: 19
Posted: Fri Oct 19 02:27:30 1990
```

>Now the Advice: Get a good iambic key. Get an electronic iambic keyer. Put
>them on the air. Throw your microphone in the trash. You can replace it later
>with a good one when you need it.

>When you finally do get that new D-104 crystal mic

Sorry, Richard, I got the D-104 first, then borrowed an iambic keyer. I'm not about to throw away perfection. What you say is true, though - the CW bands are much more orderly. When they aren't orderly, the 100 Hz filter takes care of the riff-raff. Maybe that's it - nobody behaves rudely because it is so easy to tune them out.

Anyway, nice article. Engage your systems' flame filters, because the no-coders haven't figured out that CW can be fun/challenging/relaxing - in short, the reason why you become a ham in the first place.

Perry
KF0CA

```
From 9178236635997191413
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fbb87870655813a2,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1990-10-18 18:41:50 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!milton!dali.cs.montana.edu!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Diamond antennas
Message-ID: <7880322@hpfcdc.HP.COM>
Date: 19 Oct 90 01:41:50 GMT
References: <memo.486904@lynx.northeastern.edu>
Organization: HP Fort Collins, Co.
Lines: 29
Posted: Fri Oct 19 02:41:50 1990

>While I am waiting for my Technician license from the FCC and US Snail, I was wondering if there is any type of HF antenna for indoor use to overcome the problems of living in an apartment? I have full access to the equipment at my University's club, but was still wondering if there was any type of decent indoor antenna for HF use?
>
>Thanks.
>
>Scott

I've had some luck with a horizontal loop in situations requiring a small antenna. You'd just tape the wire along the top of the walls in your largest room. Connect it to a tuner via cheap twinlead you buy at a hardware store. Don't worry about dimensions, just get as much wire up as you can. Let the tuner worry about SWR.

Apartments are a problem, though, because you're so close to someone else's TV. Even if you don't transmit any harmonics, you'll probably overload the TV's front end. 10 meters is especially bad, because its 2nd is on channel 2, and it's 3rd harmonic is channel 6.

Maybe a lower-power rig would help. G'luk. I think, in the end, you'll have better success with the club station.

Perry
KF0CA

P.S. Bill/WA7NWP, one of my cronies, has some good ideas in another response.

From 4580330371631855536
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,834b03fed3a9697a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 18:46:33 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!milton!dali.cs.montana.edu!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!hplabs!hpfcso!hpfcdc!perry

From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Wanted: 2m J-pole dimensions
Message-ID: <7880323@hpfcdc.HP.COM>
Date: 19 Oct 90 01:46:33 GMT
References: <1186@muhthr.dec.com>
Organization: HP Fort Collins, Co.
Lines: 117
Posted: Fri Oct 19 02:46:33 1990

```
>Anyone have any experience with 2m J-poles made from 300 ohm flatline? I need
>plans, dimensions, references (couple of years back in 73, I think, but I can't
>find it....).  Please e-mail and I'll summarize to the net.
>
>Thanks in advance,
>
>--
>=  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =
>Andrew C. Payne, N8KEI       Internet:    payne@ad.enet.dec.com
>                             UUCP:        ...decwrl!ad.enet!payne
```

This is a recording.... *beep*

Perry/KF0CA

From: brianr@hprnd.HP.COM (Brian Ripley)
Subject: TV twin-lead J-pole Antenna
Organization: HP Roseville Networks Division

The following is a description of a J-Pole antenna made from 300 ohm TV twin-lead. Quite a few of the hams in the area have successfully built one or more of these antennas. They have quite a few advantages which include improved performance for 2-meter HTs, portability, and last, but never least, they are inexpensive.

```
                    |   | do not short this end.
                    |   |
                    |   |
                    |   |
                    |   |
                    |   |
                54" |   |
                    |   |
                    |   |
                    |   |
                    |     1/4" gap
                    |   |
                    |   |
                    |   | 16 3/4"
     coax shield ==>*   *<== coax center conductor
                    |   |
             1 1/4" |   |
                    -*-
          solder the twin leads together at bottom
```

1. Start with 54 1/2" of TV twin lead (foam core does not work as well)
2. Strip 1/2" of insulation at bottom and solder wires together.
3. Measure 1 1/4" from soldered wires and strip insulation on both sides. This is the solder point for a coax feedline.
4. Measure 16 3/4" from bottom and cut out 1/4" notch on one side.
5. Feed with a length of RG58U coax. Tape coax at feedpoint to the twin lead for strength and weather protection.

I have also attached an aligator clip to the plastic on the top of the antenna in order to conveniently hang it. I am successfully using one in my attic to avoid any CCNR problems. I have another that I can take with me camping, sailing, etc.

This design has appeared on many BBSs and in club newsletters; the earliest reference that I know of is a Jan. 1984 D.A.R.C. antenna article by James Burks, KA5QYV.

Enjoy,
N6UBM

From: "Geoffrey_C._Williams.WBST207V"@XEROX.COM
Subject: Re: TV twin-lead J-pole Antenna
Organization: The Internet

I have made and used these 300 twin lead antennas for over ten years. Another good way to mount them is after assembly, as described by brianr@ucbvax.Berkeley.EDU (Brian Ripley). slide the whole thing inside a length of 1/2 inch dia pvc tube put on an end cap, seal up the bottom and you have a permanent cheap J pole. I have one on my roof thats been there 7 years through almost 8 Rochester NY winters, so do'nt think they are not rugged.
If you wish to get a real good match another trick is to solder a pin to the end of the coax center and shield, then probe through the insulation to find the best match. Having found the best point then you can remove the insulation and make the final solder joint.

Enjoy   - Geoff Williams G4JJO

From: perry@hpfcdc.HP.COM (Perry Scott)
Subject: TV twin-lead J-pole Antenna
Organization: HP Ft. Collins

Some comments on construction:

1. To tune for 146.000, 1/4" was pruned off the J, and 3/4" off the radiator. The top of the J is 3/4 wavelength, while the stub is 1/4. Prune in a 3:1 ratio.

2. Tuning. The length of the radiators affect resonant frequency,

while the feedpoint position affects feedpoint resistance. To change resonant frequency, prune. To lower the entire curve, probe.

3. For mechanical strength, I used tie-wrap to (loosely) tie the RG8X coax to the lower end of the J while probing & pruning. This causes RF to couple into the shield, so wind the coax into 3 turns at ~1" o.d. just below the tie-wrap. Wrap with electrical tape.

4. Use the stickpins as described by G4JJ0. I just left them in place after probing and pruning for minimum SWR, and soldered everything together.

5. Cinch up the tie-wrap as tight as you can, then wrap the lower end of the J in electrical tape to keep water out. You may also want to wrap the other exposed areas with tape if the J is going outside.

6. For portable operation, I cut a small hole at the top for hanging. A bit of monofilament allows the antenna to be hung almost anywhere.

Enjoy,
Perry Scott/KF0CA

From -1335244928823977283
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f57ef786564da87,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 19:22:57 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Have they startedgiving transmit tests again
Message-ID: <9010190222.AA25569@tilde>
Date: 19 Oct 90 02:22:57 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4
Posted: Fri Oct 19 03:22:57 1990

Jerry kaidor asked the above question, the answer to which is:
don't pay much attention to what you see about cw here. 95 percent is
half-baked and the remaing 20 pct is bs.bs.
73, Dube N5PDK

From 2517908122518052650
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e599f08bc55dd21d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-18 20:08:00 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!OSUCC.BITNET!AGENGCC
From: AGENGCC@OSUCC.BITNET
Newsgroups: rec.ham-radio

Subject: Course work for Novice Class
Message-ID: <9010190310.AA29838@ucsd.edu>
Date: 19 Oct 90 03:08:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Fri Oct 19 04:08:00 1990

I am Elmering a group of about six would be hams and any ideas course outlines, FCC question sets in computer readable form, or any other help will be appreciated. It's an interesting group. Two electrical engineers, one electronic Tech major, a couple of reforming (hopefully) CBer's and a retread that let his novice license lapse.

Gordon Couger N5QAQ AGENGCC@OSUCC.BIT

From 2898423231620795917
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,af20abc0d95fb9be,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 02:56:07 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: Address of KW Communications.
Message-ID: <15.Oct.90.10:56:56.BST.#4965@UK.AC.NWL.IA>
Date: 15 Oct 90 09:56:07 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18
Posted: Mon Oct 15 10:56:07 1990

The current address of KW is:

KW Communications ltd.
Chatham Road
Sandling
Maidstone
Kent
ME14 3AY

Phone (+44) 622-692773
Fax (+44) 622-764614
Telex 965834

This taken from the July 1990 issue of RadCom.

(p.s. KW will sell you an Icom R1 or R100)

Pete Lucas PJML@UK.AC.NWL.IA 0793-411613

From -7257525116712706439
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,651597972ddc938f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 03:22:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!usc!ucsd!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: 2M HT's and Intermodulation....
Message-ID: <15.Oct.90.11:30:57.BST.#4999@UK.AC.NWL.IA>
Date: 15 Oct 90 10:22:01 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Mon Oct 15 11:22:01 1990

Yes I agree the Toko helical filters have 7 or 8dB loss; but IMHO this is better than an attenuator; an attenuator takes the wanted AND unwanted signals down by 10 or 20dB (or whatever). The filter takes the wanted signal down by 7dB but takes the rest of the garbage down a good deal more.
And yes, you *CAN* transmit through them as long as you keep it below 5 watts.
An RF-sensing circuit and double-pole changeover relay to take the filter out on transmit would be the *nice* way of doing it.
But *WHY* should we have to do this when the filter should be *DESIGNED* into the radio from the beginning. Come on Icom, Kenwood, Yaesu, Standard build radios that are usable. Would Ford or General Motors or Toyota get away with selling automobiles that stopped working when you got 50 of them side by side??

Pete Lucas G6WBJ G6WBJ@GB7SDN.GBR.EU   PJML@UK.AC.NWL.IA 0793-411613

From 8929014649146721723
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c7415058d3de1c7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 04:53:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!samsung!sdd.hp.com!ucsd!ucbvax!LEAV-EMH.ARMY.MIL!RTDIMO%GOR1
From: RTDIMO%GOR1@LEAV-EMH.ARMY.MIL (Larry Carr)
Newsgroups: rec.ham-radio
Subject: MOD for IC-3220A
Message-ID: <9010151154.AA01374@ucsd.edu>
Date: 15 Oct 90 11:53:52 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 3
Posted: Mon Oct 15 12:53:52 1990

JUst bought this fantastic radio. Any know a mod or key sequence to enable
extended frequency coverage for this radio? The duplex and ease of operation
for this radio is great. Thanks.

From -1692389960739685713
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,651597972ddc938f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 06:31:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!uokmax!skaggs
From: skaggs@nsslsun.gcn.uoknor.edu (Gary Skaggs)
Newsgroups: rec.ham-radio
Subject: Need RF mag subscription info
Message-ID: <1990Oct15.133141.4279@uokmax.ecn.uoknor.edu>
Date: 15 Oct 90 13:31:41 GMT
References: <15.Oct.90.11:30:57.BST.#4999@UK.AC.NWL.IA>
Sender: news@uokmax.ecn.uoknor.edu (Nets)
Organization: National Severe Storms Laboratory
Lines: 14
Posted: Mon Oct 15 14:31:41 1990

I'm looking for subscription info for commericial HF and VHF magazines that
are similar in content to 'Microwaves and RF' and the other shf frequency mags.
We've got boatloads of shf mags around here, but alas, no subs to 'real radio'
type magazines.

I promise only to read it 'for the editorials'!!!

Gary Skaggs   Internet: skaggs@nsslsun.gcn.uoknor.edu
The National Severe Storms Laboratory (The Tornado People)
"Be the first on your block to have a complete transceiver system, microphone
to antenna that is no-tune from DC to near infrared! 10KW out, and no RFI
complaints from the neighbors! No licence required!!
Send SASE for return mail info!!!!!"

From 5147094330130041204
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c95c211ebf05ef61,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 06:52:43 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!usc!cs.utexas.edu!
swrinde!ucsd!ucbvax!lynx.northeastern.edu!sehrlich
From: sehrlich@lynx.northeastern.edu
Newsgroups: rec.ham-radio
Subject: The world of HTs
Message-ID: <memo.487870@lynx.northeastern.edu>
Date: 15 Oct 90 13:52:43 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet

Lines: 27
Posted: Mon Oct 15 14:52:43 1990

I have a very big favor to ask. Soon, I am going to be looking for a workable HT (preferably dual-band and with DTMF capabilities). What can anyone tell me about the different manufacturers and their models? And prices?

Here is a list of manufacturers that I have sees ads from. If there is anyone that I missed, please add them to the list.

Please include any information you think would be helpful in my purchase. The key factors I am looking for are: Quality, features, and reliability versus price. (But then again, who isn't?) One important note though: I am very tight on money. I would like to hit Ham flea markets & discount warehouses (<- Do they exist?) first.

List:

Heathkit
Alinco
Kenwood
Motorola? <- Do they make Ham HTs or just commercial two-way tranceivers?
ICOM
Yaesu

Thank you very much in advance.

Scott (sehrlich@LYNX.northeastern.edu)
"Paciently waiting for my license..."

From -4828829530590697651
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b4419761183d900,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 07:11:04 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!sdd.hp.com!ucsd!ucbvax!lynx.northeastern.edu!sehrlich
From: sehrlich@lynx.northeastern.edu
Newsgroups: rec.ham-radio
Subject: Hamfests
Message-ID: <memo.487880@lynx.northeastern.edu>
Date: 15 Oct 90 14:11:04 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Mon Oct 15 15:11:04 1990

Anyone know if there are any scheduled Hamfests coming to the Boston area (or surrounding vicinity) in the near future? I know I missed the Deerfield Hamfest. Any others?

Thanks.

Scott (sehrlich@lynx.northeastern.edu)
*1*** or ***1*

From -7767304807510671039
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f387812138f968a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 07:15:45 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!usc!wuarchive!
cs.utexas.edu!tut.cis.ohio-state.edu!uc!nachos.SSESCO.com!elmquist
From: elmquist@nachos.SSESCO.com (Chris Elmquist)
Newsgroups: rec.ham-radio
Subject: Re: CBS REPORT
Message-ID: <240@nachos.SSESCO.com>
Date: 15 Oct 90 14:15:45 GMT
References: <9010131959.AA25077@ucsd.edu> <30500787@ux1.cso.uiuc.edu>
Organization: none
Lines: 10
Posted: Mon Oct 15 15:15:45 1990

In article <30500787@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>
>Send a copy to Walter Cronkite as well.
>
Ya, Don't forget Walter is a ham... KB2GSD

--
Chris Elmquist, N0JCF
elmquist@ssesco.com

From 5108325221867815667
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,269ac92eb7ef3507
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 07:20:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpl-opus!hpcc05!hpcuhb!hpindda!genem
From: genem@hpindda.cup.hp.com (Gene Marshall)
Newsgroups: rec.ham-radio
Subject: Re: Alinco DR-110T
Message-ID: <5120013@hpindda.cup.hp.com>
Date: 15 Oct 90 14:20:27 GMT
References: <9010121510.AA24876@ucsd.edu>
Organization: HP Information Networks, Cupertino, CA
Lines: 43
Posted: Mon Oct 15 15:20:27 1990

Modifications to the Alinco DR-110 2m mobile:

After installing the out-of-band receive mod on my Alinco 110, I accidentally pressed a couple of keys and found I could receive from:

130 -> 170 MHz + Xmit of this range
340 -> 380 MHz - no Xmit
870 -> 890 MHz - no Xmit

To modify the Alinco to receive out of band, perform the following steps:

Remove the top cover by removing the obvious screws. Be careful, as the speaker may stick to the cushion on the top cover. If it does, separate the speaker from the top panel and replace it back in its receptacle within the rig.

Positioned at the front of the rig, look near the tuning knob and you will see a little yellow jumper coming from behind the front panel, looping around and returning to the front panel. This jumper looks like it should have a tag on it saying 'cut me for more features'. Go ahead and take the wire cutters to this jumper.

Replace the top cover on the rig, get everything set back up and turn on the rig.

The next step is to reset the radio. If you don't remember its current programming, you may want to write it down at this time.

When ready to reset the rig, hold down the F key and the VFO/M key at the same time, turn the POWER off, back on, and then let go of the keys. The rig is reset and will display 144.00.

You will now be able to tune around, and transmit, from 130.00 -> 169.99 MHz.

To move to the next 'band segment', press F and then the MHZ key. The display will go the 340.00 MHz segment. F+MHZ again will get you cellular, and F+MHZ a third time will return you to the 2 meter segment. Happy monitoring...

Gene - AA6IY @ N6LDL

From 1867473374724691357
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,651597972ddc938f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 07:21:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!sdd.hp.com!samsung!uunet!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio

Subject: Re: 2M HT's and Intermodulation....
Message-ID: <12738@crdgw1.crd.ge.com>
Date: 15 Oct 90 14:21:41 GMT
References: <15.Oct.90.11:30:57.BST.#4999@UK.AC.NWL.IA>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 32
Posted: Mon Oct 15 15:21:41 1990
In-reply-to: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")

In article <15.Oct.90.11:30:57.BST.#4999@UK.AC.NWL.IA>, PJML@ibma ("Pete Lucas, NCS-TLC, Holbrook House, Swindon") writes:
>Yes I agree the Toko helical filters have 7 or 8dB loss; but IMHO this is better
>than an attenuator;

>And yes, you *CAN* transmit through them as long as you keep it below 5 watts.
>An RF-sensing circuit and double-pole changeover relay to take the filter
>out on transmit would be the *nice* way of doing it.

OK, maybe you could receive through a filter with 8 db loss, but I would really rather not transmit through one if I am running on batteries with only a couple of watts.

>But *WHY* should we have to do this when the filter should be *DESIGNED*
>into the radio from the beginning. Come on Icom, Kenwood, Yaesu, Standard
>build radios that are usable.

I don't know offhand what the Q is on the Toko filter, but if you need to make it a bandpass then you need at least 2. If you have a dualband HT, then you need 2 sets. They may be small, but 4 or 6 of them gets to be pretty substantial compared to the radio itself.

On the other hand, it might be reasonable to incorporate some lower loss (bigger) filters into the mobile or home antenna installation that you use with the HT. The amps a lot of people use already have T/R switching.

> Would Ford or General Motors or Toyota get
>away with selling automobiles that stopped working when you got 50 of
>them side by side??

Oh, like the Long Island Expressway during rush hour? :-)

perley@trub.crd.ge.com

From -4039168875493271331
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ef533e8064ea0686,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 07:31:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!usc!ucsd!

ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: Improved ICOM IC-R1
Message-ID: <15.Oct.90.15:35:17.BST.#5342@UK.AC.NWL.IA>
Date: 15 Oct 90 14:31:54 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 21
Posted: Mon Oct 15 15:31:54 1990

I am told that there is a mod. to the ICOM ICR1 that improves its overload capability; apparently in all modes, the 'first IF' filter is the same... its always the one used for Wideband (i.e. broadcast-band) FM. So the second mixer etc. is several hundred KHz wide open to nasties.
The mod. consists of narrower 'roofing' filters being switched in on non wideband operation.

There are also rumours of a mod. that gives SSB reception on the IC-R100 (Yow!) more news as it comes!

```
  Pete Lucas  G6WBJ  G6WBJ@GB7SDN.GBR.EU PJML@UK.AC.NWL.IA  0793-411613

Please use the following addresses for reply:          +     \/Natural
                                                       +    \/\Environment
JANET    : PJML@UK.AC.NERC-WALLINGFORD.IBMA            +   \/\/Research
Internet : PJML%IA.NWL.AC.UK@NSFNET-RELAY.AC.UK        +  \/\/\Council
EARN     : PJML%UK.AC.NWL.IA@UKACRL                    +  NERC Computer Services
RADIO    : G6WBJ@GB7SDN.GBR.EU  {144.650MHz}           +   Holbrook House
SPAN     : STAR::\PJML%IA.NWL.AC.UK@NSFNET-RELAY.AC.UK +    Station Road
PHONE    : +44 (0)793411613                            +     SWINDON SN1 1DE
FAX      : +44 (0)793411503                            +      GREAT BRITAIN
```

From 1712491722469950177
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aff2eb7439a1ff75
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 07:32:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!sdd.hp.com!know!tegra!vail
From: vail@tegra.COM (Johnathan Vail)
Newsgroups: rec.ham-radio
Subject: Re: HTs
Message-ID: <1591@atlas.tegra.COM>
Date: 15 Oct 90 14:32:16 GMT
References: <memo.485893@lynx.northeastern.edu>
Organization: Tegra-Varityper, Inc., Billerica, MA
Lines: 37
Posted: Mon Oct 15 15:32:16 1990
In-reply-to: sehrlich@lynx.northeastern.edu's message of 14 Oct 90 02:39:36 GMT

In article <memo.485893@lynx.northeastern.edu> sehrlich@lynx.northeastern.edu writes:

> 2) I live in Boston, MA, and have been told that there is not much 70cm activity in these parts, but that 2m is very active. I was wondering if 70cm is active in other parts of the country - namely anywhere not on the East coast (or near the East coast)?

Depend on what you call "active". There is certainly a lot of 440 activity in the New England area. Although with the advent of more abundant 440 equipment in the past several years is changing the flavor a bit, the style of activity is usually different. Used to be the type of people on 440 were the frontier people and the ones trying to escape from the "channel 19" flavor of a lot of 2m operations.

In the NE area there is also World Net. This is primarily a network of about 8 full time linked 440 repeaters, with one 220, two 6 meter and one 10 meter repeater. Although it is a "members only" network it is not a closed system, and visitors are welcome and encouraged. Regular users are asked to join in one of several ways. This can be a small fee or donation of equipment or time, participation in a network sponsered public service events or just regularly checking in to the once a month emergency net.

Anyone interested in a free newsletter can send a business sized SASE to myself, N1DXG, or N1EXQ at our callbook addresses. Optionally I will be looking into providing a postscript version for email. I am not sure how big the file is yet to see if it is worth it.

73s, jv

"If you push something hard enough, it will fall over."
-- Fudd's First Law of Opposition

```
 -----
|     | Johnathan Vail | n1dxg@tegra.com
|Tegra| (508) 663-7435 | N1DXG@448.625-(WorldNet)
 -----  jv@n1dxg.ampr.org {...sun!sunne ..uunet}!tegra!vail
```

From -5883106220125272431
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3005f73d44b8b4a5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 07:39:10 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!samsung!sol.ctr.columbia.edu!emory!gatech!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: DAB taking ham freqs?
Message-ID: <793@idacrd.UUCP>
Date: 15 Oct 90 14:39:10 GMT
References: <380@ssc.UUCP>

Organization: idacrd, princeton, nj
Lines: 26
Posted: Mon Oct 15 15:39:10 1990

From article <380@ssc.UUCP>, by markz@ssc.UUCP (Mark Zenier):
> In article <9010112228.AA02460@cmr.ncsl.nist.gov>, rc@CMR.NCSL.NIST.GOV (Robert Carpenter) writes:
>> This brings me to the deeper question. WHY DO WE NEED ALL THAT MICROWAVE
>> BANDWIDTH??
>
> Since ever ham band from 222 MHz to 10.50 GHz is a secondary allocation,
> the real question is why does the government need so much radar.
>

Mark:

HOPE (and pray if you are so inclined) that the US government and other
governments around the world continue to demand the use of that spectrum.
It is the ONLY thing at this time protecting our occupancy and use of it.
One should always look before one leaps.

Bob

--
```
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From 7243085028646755053
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b6ecdc738ef888d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 08:02:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: packet games
Message-ID: <40747@cci632.UUCP>
Date: 15 Oct 90 15:02:01 GMT
References: <463@fuhainf.UUCP> <26987@shamash.cdc.com>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 25
Posted: Mon Oct 15 16:02:01 1990

In article <26987@shamash.cdc.com> vtcqa@shamash.UUCP (Jeff Comstock) writes:
>I alway's thought that playing games real-time or else
>batch style mode would be fun. Would anyone out there

>be interested in playing Stellar Conquest ? I think
>it would be fun, but a move might take a long time, like
>maybe two weeks. How about chess, or checkers ?

I have a version of "go" about 3/4 of the way written ... it is all written in C using Borland's Turbo-C (it will compile with version 1.5 or 2.0), and it talks to the TNC using the ROM BIOS async routines, with the TNC in KISS mode.

The graphical interface and level three stuff is all written; I need to finish the level 2 stuff, and see if I can't figure out a way to better handle synchronization problems.

What I'd *REALLY* like to do is to make a chess version, but I don't know enough about the game to make it work. As soon as this go thing is done, I will post it in source form to rec.ham-radio.packet and invite a chess expert to help.

Does anybody have any thoughts that might help me with this project?

Chris/WZ2B

From -1810755924490037630
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc60d0a31f629acc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 09:19:45 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: DAB taking ham freqs?
Message-ID: <1250247@hpnmdla.HP.COM>
Date: 15 Oct 90 16:19:45 GMT
References: <100.271711A1@rochgte.FIDONET.ORG>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 22
Posted: Mon Oct 15 17:19:45 1990

In article <9010112228.AA02460@cmr.ncsl.nist.gov>, rc@CMR.NCSL.NIST.GOV (Robert Carpenter) writes:
> This brings me to the deeper question. WHY DO WE NEED ALL THAT MICROWAVE
> BANDWIDTH??

Bob,
  We need it because the microwave bands are the only place where we have both adequate spectrum and the possibility of fairly well focussed beams to efficiently transport large amounts of information by radio.
  Below 1 GHz or so there is neither the spectrum nor the directivity with reasonably sized antennas.
  Ultimately we need the bandwidth because we need to transport a *lot*

of information (not just TV) if amateur radio is going to survive in
the information age by being relevant to information age services.

  I've just given a rough abstract to my paper in the recent ARRL/CRRL
networking conference proceedings. Please see it for details.

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

```
From -6605386358170458307
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3e4daedf0127f048,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 09:23:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!usc!ucsd!ucbvax!
XEROX.COM!"Mike_Beezley.Houston"
From: "Mike_Beezley.Houston"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Gateway
Message-ID: <901015-092500-1042@Xerox>
Date: 15 Oct 90 16:23:46 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Mon Oct 15 17:23:46 1990
```

What ever happened to the Gateway Newsletter? It used to be seen along
with the Info-Hams Digests and then disappered. I have just recently
joined the Packet ranks and am very interested in getting it again. If we
can't getit through the internet can it be found on packet BBSs?
Thanks for the help and 73.

__mike (N5PWP)
N5PWP@WB5BBW.TX.USA.NA
"MBeez.Houston"@Xerox.COM

```
From -7680579799523892822
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3dfae72efb567553,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 09:24:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpl-opus!hpspdra!henryb
From: henryb@hpspdra.HP.COM (Henry Black)
Newsgroups: rec.ham-radio
Subject: Oscar antennas, your views sought
Message-ID: <12280018@hpspdra.HP.COM>
```

Date: 15 Oct 90 16:24:01 GMT
Organization: HP Stanford Park - Palo Alto, CA
Lines: 15
Posted: Mon Oct 15 17:24:01 1990

I have it in mind to buy myself a new toy soon, specifically an
"Oscar" antenna package.   You know the kind of thing, 2m. and 70cm.
beam yagis of >10dB gain and circular polarization.
So could anyone post their views on commercial offerings, particularly
performance experience and perceived quality of construction.
I am aware of the offerings of Cushcraft, HyGain and KLM. Any others?
How important is a remote control left/right handed polarization switch,
and which packages include this?
Any views on the practicality of using an Alliance 110 rotor for
elevation? (I have a heavy duty rotator already for azimuth).
Thanks in advance, I suggest posting responses if of likely wide
interest.

Henry Black (G4NOC, KK6JR) +1 415 857 6655   henryb@hpspd.HP.COM
Opinions above are all mine (unless HP can make money out of them)

From -1126885040819987887
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac8994329992a064
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 09:32:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: deed restrictions
Message-ID: <5028@qip.UUCP>
Date: 15 Oct 90 16:32:55 GMT
References: <11088@hacgate.UUCP> <30500782@ux1.cso.uiuc.edu>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 34
Posted: Mon Oct 15 17:32:55 1990

In article <30500782@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
]> So CCR's (deed restrictions) can be beat, if you have to...
]> Read the find print
]> and if you can avoid it... Don't buy a house that has them!
]
]Or at least have your lawyer read them and decide what you can and cannot
]do with them.

According to my ex-lawyer, who wrote and enforced deed restrictions,
there is another way to break them: abandonment. If you violate the
restriction, and after a "reasonable" time no-one challenges you on
it, the court MAY hold that they abandoned the contract by failing
to enforce it. Depending on the state it may invalidate the entire
set of deed restrictions, or it may invalidate it for just the clause

involved.

They can also be broken if they are discriminatory. Thus, if they prohibit antennas, but they have been allowing TV antennas for a long time, you can require them to either ban all the TV antennas, or grant your antenna. Of course, the TV antenna owners can use the abandonment argument to keep theirs, so again you win.

The problem is that both of these routes are expensive, risky and can lead to neighbor problems (which is bad new for everyone). We had a ham here in AZ who spent $22,000 fighting deed restrictions that had prohibitted him from putting up a dipole, and he lost the case.

I am not a lawyer. These are just my opinions. Your mileage may vary.
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From 3413951134217658998
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cccb5b168ff53453,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 09:44:30 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!sdd.hp.com!ucsd!ucbvax!dgc.ceo.dg.com!Pete_Simpson
From: Pete_Simpson@dgc.ceo.dg.com
Newsgroups: rec.ham-radio
Subject: Manual needed for Cushman CE-4B
Message-ID: <9010151744.AA00061@rtp40.dg.com>
Date: 15 Oct 90 16:44:30 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Mon Oct 15 17:44:30 1990

CEO summary:
I'm still looking for a service manual for the Cushman CE-4B
service monitor I recently acquired. It doesn't work & I need
the manual to figure out where to start on it.
So, if you have a manual you could copy, or one you'd like
to mail me so I can copy & return, please get in touch with me
at the number below. (Of course, I'll pay all costs & return the
manual promptly after copying)
Thanks,
Pete
=================================
Peter Simpson, KA1AXY
Data General Corp M/S E132
Westboro, MA 01580

(508) 870-9837
Pete_Simpson@MERCURY.MCEO.DG.COM

From -2818376964285759690
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,651597972ddc938f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 10:08:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and Intermodulation....
Message-ID: <5030@qip.UUCP>
Date: 15 Oct 90 17:08:17 GMT
References: <15.Oct.90.11:30:57.BST.#4999@UK.AC.NWL.IA>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 35
Posted: Mon Oct 15 18:08:17 1990

In article <15.Oct.90.11:30:57.BST.#4999@UK.AC.NWL.IA> PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon") writes:
]But *WHY* should we have to do this when the filter should be *DESIGNED*
]into the radio from the beginning. Come on Icom, Kenwood, Yaesu, Standard
]build radios that are usable. Would Ford or General Motors or Toyota get
]away with selling automobiles that stopped working when you got 50 of
]them side by side??

Well... Icom, Kenwood, Yaesu etc seem to be doing just fine without them. I've noticed that most hams look at sensitivity specs, and wouldn't even know how to read an intermod/blocking spec - that's probably why we see extremely sensitive HT's. Furthermore, you really do want high sensitivity for portable operation when you are away from all the RF sources. I would guess that MOST HT operation is away from these sources. For this reason, I suggest a switchable attenuator (MUCH cheaper) for operation around high RF sources, and that can be switched out when not needed. I think an HT with this feature would handle almost all cases. For those few cases where it wouldn't work (need to hear weak signal while near strong sources), I would suggest that the user use something external.

If you look at repeater sites, they use LARGE, EXPENSIVE cavities to achieve what you want: minimal sensitivity to other signals. In the repeaters we use (modified Motorola), there is a stiff front end and helical resonators. All of this stuff is still not enough to prevent desense and intermod.

RF inter-operability is not an easy problem. Expecting manufacturers to solve it in tiny HT's is just unrealistic.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john

USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From 1123022218329400207
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5fdaf5ebdbcb7fd3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 10:18:29 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!usc!wuarchive!decwrl!bacchus.pa.dec.com!rust.zso.dec.com!shlump.nac.dec.com!delni.enet.dec.com!goldstein
From: goldstein@delni.enet.dec.com (Fred R. Goldstein)
Newsgroups: rec.ham-radio
Subject: Re: Loss of 2400 MHz (85 lines)
Message-ID: <16352@shlump.nac.dec.com>
Date: 15 Oct 90 17:18:29 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 71
Posted: Mon Oct 15 18:18:29 1990

In article <9010130432.AA07521@cmr.ncsl.nist.gov>, rc@cmr.ncsl.nist.gov (Robert Carpenter) writes...
>   --- comments on Fred's posting ----
>I calculate some AVERAGE channel capacities needed by 2 to 1000 hams doing
>a lot of large file transfers.

>Regarding occupied bandwidth, Fred says:
> > Okay, you've gone WAY wrong.

First off, Bob, you've missed the dictional reference. You asked, after
explaining why we need so _little_ bandwidth, if you had gone WAY wrong.
I simply replied in kind, trying to prove that we do need more b/w.

>I say: .. and have a good S/N ratio... HEY FRED, I was trying to say we
>NEED the bandwidth, not that we need even less.

Then why do you average over a long time? That causes the bandwidth
requirement to go down, not up. My posting is to demonstrate why
we need more b/w than you implied we need.

> > Second, what is the latency we're tolerating? We do a lot more than
> > transfer files with our computers, and would like packet radio to be
> > like that. NNTP (news protocol that we're using now) polls each
> > article from the server to the reader when you ask for the "next" one.
> > How long do you want to wait? At 1 Mbps, it's pretty good. At 1200
> > bps, it's hopeless.
>I say: Don't you have computing power locally?   Can't you transfer the mail
>in bulk and read the individual messages locally? ...

No, you can't, unless you recalculate the News paradigm. The News server I'm reading you on gets over 1100 newsgroups. I read a few hundred messages a day, out of tens of thousands. In some groups, I only scan the titles and pick out the interesting ones. With the "local computer" paradigm you mention, every user would need a news server, or would wait. And to be a server, you'd have to pump up the volume of messages.

That's not a "mainframe does everything" attitude, it's an efficient model of distributed processing.

>I then talked about how much bandwidth TV (raw analog or 1 Mbit/s compressed)
>takes, the idea being to show that TV is a bandwidth hog (either way) which
>is what is NEEDED to actually fill up the bands. Regarding compression,
>Fred says:
> > That's not exactly true either. If you're talking about
> > "teleconference" video, the "talking heads" application, then you're
> > right; for maybe $20-30k, you can compress down to 256 kbps and be only
> > a little jerky. (That's hardly an ATV price range.) But "full motion"
>I say: Why do hams need more that "talking heads" ;-(Also, today's price
>won't protect bands tomorrow.

Which side are you on? I'm arguing for hams to have the b/w. You implied that network quality video could be done in 1 Mbps, and that's not true. Talking heads is fine for hams, but compression is currently too expensive. I agree that hams tomorrow could have it. We may need it.

>I say: ABC news has been using compression to
>get two TV pictures into 45 Mbit/s (T3) between NYC and DC for a number of
>years. Do you complain about their picture quality?

When's the last time you watched a horse cavalry scene on the news? Half of a T3 is 22 times more than 1 Mbps. That's barely compressed.

If we really were concerned about our bandwidth, we'd abolish 1200 bps AFSK packet.
---
Fred R. Goldstein   Digital Equipment Corp., Littleton MA
goldstein@delni.enet.dec.com   voice: +1 508 486 7388
 Do you think anyone else on the planet would share my opinions, let
 alone a multi-billion dollar corporation?

From -4297668188478020779
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b4419761183d900
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 10:22:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!samsung!sdd.hp.com!decwrl!bacchus.pa.dec.com!rust.zso.dec.com!shlump.nac.dec.com!regent.enet.dec.com!gettys

From: gettys@regent.enet.dec.com (Bob Gettys N1BRM)
Newsgroups: rec.ham-radio
Subject: Re: Hamfests
Message-ID: <16353@shlump.nac.dec.com>
Date: 15 Oct 90 17:22:20 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 18
Posted: Mon Oct 15 18:22:20 1990

In article <memo.487880@lynx.northeastern.edu>, sehrlich@lynx.northeastern.edu writes...
>Anyone know if there are any scheduled Hamfests coming to the Boston area
>(or surrounding vicinity) in the near future? I know I missed the Deerfield
>Hamfest. Any others?
>
>Thanks.
>
>Scott (sehrlich@lynx.northeastern.edu)
>*1*** or ***1*

The Framingham Flea is on 28 Oct at Framingham North High. The doors open at 8 for sellers, 9 (at $5) for buyers and 10 (at $2) for buyers. Talk-in is on 147.15 +600. North High is located on A Street which is off Route 126 (Concord Street) about 1 mile north of Route 9.

/s/ Bob N1BRM

From -2018626192661218473
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,962e08cd6f381
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 10:53:27 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpfcso!ron
From: ron@hpfcso.HP.COM (Ron Miller)
Newsgroups: rec.ham-radio
Subject: Re: CBS news irresponsible
Message-ID: <7500034@hpfcso.HP.COM>
Date: 15 Oct 90 17:53:27 GMT
References: <12493@chaph.usc.edu>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 13
Posted: Mon Oct 15 18:53:27 1990

Re: News programs & scanner enthusiasts

May I suggest that when folks write to CBS (or whoever) that they kindly mention that major news stations use (evil, assault,baby-killing) scanners to find out when and where they should dispatch their news crews.

When scanners are outlawed, the news divisions of major networks will become outlaws! (unless they buy exemptions.....)

Ron Miller
NW0U

From 8384112612626704781
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f41f4d13b579ebd8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 11:04:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!uunet!microsoft!mikemr
From: mikemr@microsoft.UUCP (Michael MRAZ)
Newsgroups: rec.ham-radio
Subject: Re: Old Callsigns
Summary: FCC changed the rules
Message-ID: <58234@microsoft.UUCP>
Date: 15 Oct 90 18:04:20 GMT
References: <213535CAF65F200D2F@uncg.bitnet>
Organization: Microsoft Corp., Redmond WA
Lines: 13
Posted: Mon Oct 15 19:04:20 1990

Some rule changes happened back in the seventies that made it possible to request calls if you didn't have 25 years. On July 1, 1977 (??) the FCC opened special call requests to any Extra. At the time, there were only 70 or so 1x2 calls left in CA. I was lucky enough to get my code speed to 20wpm and pass the Extra around 7/1/77 and I got me (oops-that's "my") third choice of call (I submitted a list of 20 calls just in case). Seems to me some friends did the same thing and got some of the 2x2 calls (AA6EE comes to mind) way before the FCC started giving those calls. Sometime after that, they changed the rules again, and you just had to take what they gave you.

N6MZ

From 1448613912147217047
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9dcece314109098e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 11:08:36 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!usc!ucsd!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: DAB taking ham freqs ?

Message-ID: <9010151808.AA11371@cmr.ncsl.nist.gov>
Date: 15 Oct 90 18:08:36 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 107
Posted: Mon Oct 15 19:08:36 1990

Here is my reply to a number of comments on DAB taking ham microwave freqs.

I said:

>> code license, I
>> conclude that the only ham application likely to NEED all our microwave
>> bandwidth is the transmission of TV images.

David Stark replies:

> It does seem to be the logical candidate among the KNOWN modes.
> Or how about spread spectrum? Are there any calculations available on
> how many hams using spread spectrum technology could occupy xxx MHz?

My answer:
As a rough estimate, I hear that you can get almost as many spread spectrum (SS) stations into a band as you can using narrower-band modes (like FM or FSK) sending the same info. There may be some capture-effect problems, however. The idea of far-out sidebands from SS really frightens the weak-signal crowd.

>>>>>>>>>>>>>>>>>

Kevin J. Rowett says:

> Seriously Bob, your statements seem very politically motivated than based
> in reasons...the impression I get about your basis for spectrum
> management is NIMBY...Not In my back yard! You'd like AR to support
> your interests in weak signal work. At the same time, your willing
> to sacrifice our usage of spectrum to keep yours.
>
> Just waht does the weak signal work contribute to the hobby that makes
> it deserve more than other sections of the hobby?

I reply:
Kevin, I think you DID read me wrong. I suspect that a very few MHz of most microwave bands CAN be preserved without much effort. That would be enough for the weak-signal (and probably the digital) crowd. We need to have a clear reason to keep the rest.

>>>>>>>>>>>>>>>>

Gary Coffman points out:

> The numbers in your article didn't allow any guard band. Assuming reasonably
> state of the art equipment, doubling your numbers should allow acceptable
> guard band.

I say:
You're right. But my other numbers are certainly in error by at least as much!

Gary goes on:

> Considering your 35 kbs assumption, I certainly want better thruput than
> that. Floppy speed of 500 kbs would be acceptable now, but I do want to
> be able to interact with a X client/server pair in a snappy manner.

I say:
You're talking about burst speeds here, not average rates. Does your floppy transfer data more than 7 to 10% of the time? Not in any well-designed application. I'm talking about an average of 35 kbit/s of a 1 Mbit/s (burst-rate) channel. You're not convincing me yet. Same agrumemt re: X-windows.

Gary goes on:
> I do want to be able to program distributed computer systems. I do want to
> transmit high definition video in real time. I want to do things that
> are currently impractical because we don't have the speed/bandwidth
> needed yet. Predicating future spectrum needs on current digital usage
> is a mistake. There are many potential digital uses that currently aren't
> being done because the technology to give us the needed thruput isn't
> available to amateurs yet.

I say:
Now you are getting into some stronger arguments. We both agree that video is a clear user of wide bands. We've had these microwave bands for many decades. How can we say we don't have the speed/bandwidth yet? Your "don't have" means "can't BUY cheaply". Distributed computer systems don't seem like a mainstream activity, at least I wouldn't expect hundreds of nodes to be simultaneously active. Today it's worthy of a journal article when someone teams a number of SUNs on a single job with DOE or DARPA funding, isn't it?

Gary goes on:
> As one example consider an autonomous mobile robot.

I say: Autonomous means not connected to the outside world = no communication.

Gary goes on:
> It transmits high
> definition video of it's surroundings. It's movements are controlled
> by a set of cooperating subprograms running on a group of desktop
> computers all connected by a distributed network. Sounds fantastic
> doesn't it? Give me the thruput and I know several people who would
> like to take a crack at it.

I say: We've had the bandwidth for decades......where are the people?
This sounds like a worthwhile and interesting one-off FRINGE activity.
People like Chip Weems in the DARPA image-understanding community talk about special SIMD machines for the earlier steps of image processing, not at all like PCs. Except for the TV, about 30 updates a second is MUCH more than enough and takes very little communication bandwidth. Terrain-following aircraft control systems operate on a 30-updates-a-second cycle, at supersonic speeds....

Gary goes on:
> The lower microwave bands are ideal for
> this application since conventional omni antennas are still practical.
> At 10Ghz and above tracking problems would become severe at fairly
> short ranges.

I say: Agreed, though I think people like CMU are using 70 cm, or so, for their robot vehicles.

Gary goes on to mention radar, etc., and then says:
> There's lots more than weak signal work being done at microwave frequencies.

> Not a lot of people are doing it yet, but as more people learn how to
> do it, the activity will hopefully grow. If we lose large chunks of
> spectrum, it'll die on the vine. The few remaining slivers will only
> be useful to the weak signal DXers and some great experimental work
> will be lost.
I say: That's why I want to save WIDE bands, but we need good arguments to
win. "Going to use", "should use", "will need", "will grow" won't be enough.

73, Bob W3OTC

From -5942503060356749992
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3e4daedf0127f048
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 12:26:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!
pacbell.com!decwrl!bacchus.pa.dec.com!hollie.rdg.dec.com!ryn.esg.dec.com!
ultnix.enet.dec.com!taber
From: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Newsgroups: rec.ham-radio
Subject: Re: Gateway
Message-ID: <1990Oct15.152632@ultnix.enet.dec.com>
Date: 15 Oct 90 19:26:32 GMT
References: <901015-092500-1042@Xerox>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Organization: KC1TD@KB4N.NH.USA.NA.EARTH.SOLAR_SYSTEM.UNIVERSE.MIND_OF_GOD
Lines: 22
Posted: Mon Oct 15 20:26:32 1990

In article <901015-092500-1042@Xerox>, "Mike_Beezley.Houston"@XEROX.COM writes:
|>
|>What ever happened to the Gateway Newsletter? It used to be seen along
|>with the Info-Hams Digests and then disappered. I have just recently
|>joined the Packet ranks and am very interested in getting it again. If we
|>can't getit through the internet can it be found on packet BBSs?
|>Thanks for the help and 73.
|>

It disappeared about the same time that it got incorporated into QEX. My guess
is that whomever edited Gateway had usenet access and posted it gratis.
Whomever edits QEX/Gateway doesn't have usenet access or doesn't think it's a
good idea (in these times of ham periodicals folding up) to give away the goods.
You can subscribe to QEX/Gateway through the ARRL. (You don't have to be a
member, but it costs more if you're not.)

--
>>>==>PStJTT
Patrick St. Joseph Teahan Taber, KC1TD

If I was authorized to speak for my employer, I'd be too important to
waste my time on this crap....

From 2489005544890863094
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c7415058d3de1c7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 12:47:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!iuvax!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: MOD for IC-3220A
Message-ID: <30500793@ux1.cso.uiuc.edu>
Date: 15 Oct 90 19:47:00 GMT
References: <9010151154.AA01374@ucsd.edu>
Lines: 6
Nf-ID: #R:<9010151154.AA01374@ucsd.edu>:-29:ux1.cso.uiuc.edu:30500793:000:268
Nf-From: ux1.cso.uiuc.edu!phil   Oct 15 14:47:00 1990
Posted: Mon Oct 15 20:47:00 1990

Yes, there is an extended frequency mod for the IC-3220. I don't have it with me and will have to find it first.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 905296229448716423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92a2ccbcd910a44c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 14:07:26 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!kuhub.cc.ukans.edu!baxter
From: baxter@kuhub.cc.ukans.edu
Newsgroups: rec.ham-radio
Subject: Re: IC-R1 compared to IC-R100
Message-ID: <26130.2719debe@kuhub.cc.ukans.edu>
Date: 15 Oct 90 21:07:26 GMT
References: <6027@minyos.xx.rmit.oz>
Followup-To: rec.ham-radio
Organization: University of Kansas Academic Computing Services
Lines: 30
Posted: Mon Oct 15 22:07:26 1990

In article <6027@minyos.xx.rmit.oz>, rcosj@chudich.co.rmit.oz (John Simmons) writes:
> My brother has an IC-R100. It is a fantastic radio.
>
> I am considering purchasing an IC-R1, hence I would love to
> see more comments on its performance.
>

> I would particularly like to see a comparison made between
> the R1 and the R100.
>
> I believe that the R1 isn't quite as good as the R100 spec-wise
> but it is hand-held. Just how much difference is there?
> Does it fail due to spurious reception, etc.
>
>
> John Simmons (VK3KJG) Ph. 660 2619 Royal Melbourne Institute of Tech.
>

It will be hard for any of us in the US (or anyone in North America for
that fact) to help too much since Icom is not importing these radios
into this market. Uniden has either sued (or has threatened a suit)
against Icom for scanning patent infringments, and the radios are
in limbo at this time.

(I'd like to thank Uniden for this by boycotting their lousy sccanners
but I would think Icom would figure a way to get their radios into
the market.)

Where did you buy your R100?

Kirk Baxter, N0FPZ

From -3488816364925583774
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55888b98d8a29769
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 14:33:04 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
snorkelwacker!apple!vsi1!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: deed restrictions
Message-ID: <3009@wyse.wyse.com>
Date: 15 Oct 90 21:33:04 GMT
References: <9010111337.AA00390@cmr.ncsl.nist.gov> <33201@nigel.ee.udel.edu>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 21
Posted: Mon Oct 15 22:33:04 1990

In article <33201@nigel.ee.udel.edu> masters@freezer.it.udel.edu (paul masters)
writes:
>Does ARRL have a lobby in congress. I'm about to get licenced, and I
>would like to know if I have an optimistic future in amateur radio. I'm
>still considdering the option of illegal configuration, but I hope it
>doesn't come to that.
>
>   Paul

>

Yep ....

The league maintains a full time lobbyist, and a PR firm in the Washington area whoose main function is to lobby congress and keep issues related to the hobby in front of congress. They also have a full-time legal type to deal with matters before the FCC. Fact is that they are spending a great deal of time and effort to prepare for the next World Administrative Radio Conference which where a number of issues relating to the future of ham radio will be decided.

Steve KA6S

From 9150943174665428030
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9dcece314109098e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 15:07:56 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: DAB taking ham freqs ?
Message-ID: <12772@crdgw1.crd.ge.com>
Date: 15 Oct 90 22:07:56 GMT
References: <9010151808.AA11371@cmr.ncsl.nist.gov>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 44
Posted: Mon Oct 15 23:07:56 1990
In-reply-to: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)

In article <9010151808.AA11371@cmr.ncsl.nist.gov>, rc@CMR (Robert Carpenter) writes:
>
>Gary goes on:
>> Considering your 35 kbs assumption, I certainly want better thruput than that. Floppy speed of 500 kbs would be acceptable now, but I do want to be able to interact with a X client/server pair in a snappy manner.
>I say:
>You're talking about burst speeds here, not average rates. Does your floppy transfer data more than 7 to 10% of the time? Not in any well-designed application. I'm talking about an average of 35 kbit/s of a 1 Mbit/s (burst-rate) channel. You're not convincing me yet. Same agrumemt re: X-windows.

How can you say that a well designed application "should" be compute bound rather than i/o bound when you don't know what the application is?

Someone said (not sure if it was you) that the computer should plan ahead and pre-fetch mail messages etc so a crummy response time wouldn't impinge

on the user. The ultimate extention of that is to just mail a box of tapes
to the other node daily and skip the microwaves altogether. Lots of data,
long response time. same deal.

Even ethernet at ~10 megabits/sec gets sluggish with a few too many nodes.

>Now you are getting into some stronger arguments. We both agree that video is
>a clear user of wide bands. We've had these microwave bands for many decades.
>How can we say we don't have the speed/bandwidth yet? Your "don't have" means
>"can't BUY cheaply".

This is supposed to be AMATEUR activity. Cost is a legitimate object.
This is another area where time = 1/money.

That's known as evolving technology. ATV is a lot more popular now because
cameras are cheap enough that a lot of people can afford them. ATV on
microwaves will get more popular as the equipment gets cheaper.. as will
microwave in general.

-don perley - ke2tp

perley@trub.crd.ge.com

From 8781147261311042962
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db96dcdd679c4e46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 19:39:26 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ub!
uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!
David.Stark,.NF2G
From: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG (David Stark, NF2G)
Newsgroups: rec.ham-radio
Subject: Re: Re: Info-Hams Digest V90 #296
Message-ID: <114.271AB192@rochgte.FIDONET.ORG>
Date: 16 Oct 90 02:39:26 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 84
Posted: Tue Oct 16 03:39:26 1990

 > From: stanley@fozzie.phoenix.com (John Stanley)
 >
 > David.Stark@f218.n260.z1.FIDONET.ORG (David Stark) writes:
 > > >
 > > > Because this is not the CAP split... it is (among other things) the

> > > Radio Common Carier (RCC) split, to wit:
> > >
> > Thank you for posting the above info. Now, will some of the
> > pro-modified-HTs-for-emergency-communications tell me why hams need to
> > be capable of RCC splits with amateur transceivers?
> >
>
> 1. And how do you know it is an RCC split the requestor wanted? You
> know for sure that that split is used exclusively for RCC, and not by
> something else as well? There is a whole world of

No, but in context of the discussion it is immaterial. Several people leapt to this person's defense on the grounds that transmissions by ham operators on non-ham frequencies was somehow OK "under the right circumstances." Circumstances to be decided by the individual ham, presumably.

I'm still waiting for the original requestor to explain what "non-ham repeater" (his words) he was trying to work with amateur equipment, and why.

> 2. Last time I checked, there was no regulation about not using
> strange splits for oddball use in the ham bands. Please post chapter and
> verse if there is.

Also irrelevant. The original requestor specifically said that he was trying to access non-ham repeaters.

> 3. I don't think hams need out-of-band capability. However, being a
> ham is not exclusive with being an EMT, Firefighter, MARS, or CAP.
> Neither is being a ham mandatory for any of those. So, it is feasible for
> those hams who are involved in other activities to use the out-of-band
> capabiities of the equipment they already own, provided it is certified
> properly.

Aye, there's the rub, those last 5 words. The out-of-band transmissions, no matter how well-intentioned, are still illegal.

> 4. There is one real good reason to use modified ham gear when
> possible. It is cheaper. Who generally pays for modified ham gear? The
> user. Who pays for the Motorola gear? The taxpayer. Which gear will the
> user take better care of? Which one does he have a financial stake in?
> Are the taxpayers better served by buying a lot of commercial HT's and
> forbidding use of ham gear, or by outfitting another rescue unit and
> letting the volunteer members of the squad use ham gear?

So far, the FCC has not offered to waive Part 2 (type acceptance) to save money for volunteer agencies or taxpayers. This is an excuse, not a reason.

> 5. When you get down to it, nobody needs anything. People were able to
> live quite happily before radio was invented. Same with electricity.
> Airplanes. Cars. The Wheel. However, they were invented, and people live
> (maybe) better than before. The point is, ownership of a radio capable of

> transmitting RCC splits, at RCC frequencies, is NOT illegal. It is not
> illegal to own a radio capable of transmitting at the local police
> frequency. It is not even illegal for a non-ham to own ham transmitters.

It is not unreasonable to interpret ownership as intent to use. If you can't use it, why go to all the trouble/expense of owning it in the first place?

I don't really care what the next ham does with his equipment, or who supports the manufacturers with their purchasing dollars. I do care that some jerk is going to modify his HT "because there are no rules saying I can't" and abuse the privilege to the detriment of the rest of us hams. "Ham operators" are accused by the press of causing all sorts of havoc, from interfering with airplanes (when an illegal CBer was the culprit) to wrecking TV reception to illegally eavesdropping on cellular phone calls (everyone with a radio must be a ham). Why invite such bad press by actually possessing equipment capable of illegal operation?

--
%
David Stark, NF2G - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark,.NF2G
INTERNET: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG
%

From -456359540575123712
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55888b98d8a29769
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 19:53:07 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: deed restrictions
Message-ID: <1990Oct16.025307.770@informix.com>
Date: 16 Oct 90 02:53:07 GMT
References: <11088@hacgate.UUCP> <30500775@ux1.cso.uiuc.edu>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 27
Posted: Tue Oct 16 03:53:07 1990

In article <30500775@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>
>Considering the current downswing in real estate sales, we might be able
>to gain a very slight bargaining position.
>
>I know for instance that when I am ready to buy a house, the terms of by
>offer will specifically spell out a number of restrictions that cannot be
>in the contract or referred to in the contract of sale (so I can get by

>offer money back if it turns out to be the case). For instance I want no
>restrictions on things like:
>1. Outdoor antennas.
>2. Radio transmitters of any kind. [you better watch that one]
>3. Swimming pools.
>4. Gardens of any size on non-frontage.
>5. Color of exterior paint.

You may have a better bergaining position now that it's a buyers market. However, some housing tracts (and most condo tracts) have CC&Rs that spell out specific antenna limitations. The seller of the home will have no choice if this is the case. In Santa Clara County, no housing tract built since 1971 is WITHOUT a CC&R that prohibits some forms of antennas.

--

=-=
Randall Rhea   Informix Software, Inc.
Senior Programmer/Analyst, MIS   uunet!pyramid!infmx!randall

From -7296271950422595724
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ba69aea2b59708d0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 19:59:11 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!kuhub.cc.ukans.edu!zeus.unomaha.edu!fs024
From: fs024@zeus.unomaha.edu (pschleck%orion@alf.unomaha.edu)
Newsgroups: rec.ham-radio
Subject: 1970 Student Information Net
Message-ID: <2475.271a2323@zeus.unomaha.edu>
Date: 16 Oct 90 02:59:11 GMT
Lines: 47
Posted: Tue Oct 16 03:59:11 1990

I am attempting to assemble an accurate historical account of the Student Information Net of about 1969-1971, its role at Kent State, and related coordination of campus protest regarding the U.S. involvement in Vietnam. Bits and pieces I have gotten so far have been interesting, but incomplete and sometimes contradictory. It seems that the legend aspects of this net have overshadowed its reality. Here is a sampling of what I have so far:

1. Brief, second-hand accounts from WA3VZW about coordination of protests at the University of Maryland including human blockades of U.S. Route 1 along the campus and something called "The Big Flush" which was (I'm not making this up!) a simultaneous flushing of campus toilets to overload the plumbing. This information, plus QSL cards from the UMARA archives, suggest that the SIN took the form of a 40-meter voice net with Cal-Berkeley serving as net control.

2. Brief anecdotal information from Cliff Stoll, K7TA about ham-operators on the Kent State campus being the only source of information out of the school as the protests and confrontation with the National Guard were

happening. Most of the information was relayed on an HF band via Morse Code, according to Cliff.

This endeavor will be the subject of an academic paper, and possibly a later publication in some form. My goal is a serious, objective, and tasteful account of the Student Information Net with due respect to all players involved. Amateur Radio gets a notoriously short-shrift in the so-called "Establishment" media to begin with, and the SIN is even more obscure. Getting the facts down and documented will go a long way towards preserving the memory of those student activists involved, including the ones that died at Kent State.

Since my objective is to be factual, I am interested in first-hand accounts, references, and documentation much more than hearsay or secondhand information. Information about any other sources like college ham club archives or student newspapers would also be helpful. My access to Internet is quite limited (A friend of mine posted this to Usenet for me) so I would much prefer that you write me via U.S. mail. My results will be passed along the net in a yet-to-be-determined form.

Please give this message the widest dissemination possible, on Internet, amateur radio/packet, mail, and word-of-mouth. Thank you.....

73, Paul W. Schleck, KD3FU

pschleck%orion@alf.unomaha.edu
3300 Buchanan St., Apt. 201
Mt. Rainier, MD 20712

From 6966457683792628184
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,784c885f41fa045,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 20:50:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!sdd.hp.com!ucsd!ucbvax!OSUCC.BITNET!AGENGCC
From: AGENGCC@OSUCC.BITNET
Newsgroups: rec.ham-radio
Subject: Indoor Antennas
Message-ID: <9010160412.AA04974@ucsd.edu>
Date: 16 Oct 90 03:50:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 28
Posted: Tue Oct 16 04:50:00 1990

I have had some success using a helicaly wound vertical dipole on 15 meter CW <NO FLAMES PLEASE I work cw because fone annoys my XYL>. Worked FL, OH, NY, CA WA and OR yesterday. The antenna is made by wrapping two 3.5 ft. fiberglass whips with small magnet wire with about 3/16 in. spacing.

The helixes are in opposite directions (I don't know if this makes any difference). It resonates about 21 Mhz. Use a grid dip meter and trim or add wire as needed to make it resonate. If you can't borrow a grid dip meter try about 10% more wire than is called for in the quarter wave formula. The antenna should be adjusted in place because the resonance will vary considerably with the location of the antenna. I fed the antenna direct with 50 ohm coax and a tuner.

If I were making another I would use 1/2 inch PVC pipe with a coupling in the center for portability and convenience. I didn't worry too much about spacing I just tried to keep it even. Conventional wisdom dictates that the coax should come off at right angles but the antenna doesn't seem to care. The rig is not grounded and it is not hot with 20 watts out of a Yeasu FT7. I can watch a cable TV that is 8 ft. from the antenna.

This is the first indoor antenna I have had that I consistently get as good a signal report as I hear.

Gordon Couger N5QAQ AGENGCC@OSUCC.BIT

From -1335501024925065044
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92a2ccbcd910a44c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 21:22:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!uunet!munnari.oz.au!goanna!minyos!chudich!rcosj
From: rcosj@chudich.co.rmit.oz (John Simmons)
Newsgroups: rec.ham-radio
Subject: Re: IC-R1 compared to IC-R100
Message-ID: <6035@minyos.xx.rmit.oz>
Date: 16 Oct 90 04:22:27 GMT
References: <6027@minyos.xx.rmit.oz> <26130.2719debe@kuhub.cc.ukans.edu>
Sender: news@minyos.xx.rmit.oz
Lines: 23
Posted: Tue Oct 16 05:22:27 1990

baxter@kuhub.cc.ukans.edu writes:

>Where did you buy your R100?

>Kirk Baxter, N0FPZ

From a company called 'Emtronics' in Melbourne Australia.
288 Queen St. Melb. 3000 (03) 670 8551 or (03) 670 0330

They give great service and reasonable prices, and stock some GREAT equipment.

[How about it Ray, is this add worth a freeby IC-R1? :-)]

John Simmons (VK3KJG) Ph. 660 2619   Royal Melbourne Institute of Tech.
Fax 662 1060   (Victoria University of Technology)
PO Box 2476V
ACSnet: rcosj@chudich.co.rmit.oz   Melbourne 3001 Australia
CSNET: rcosj@chudich.co.rmit.oz.aus
ARPA: rcosj%chudich.co.rmit.oz.au@uunet.uu.net
BITNET: rcosj%chudich.co.rmit.oz.au@CSNET-RELAY
UUCP: ...!uunet!munnari!chudich.co.rmit.oz.au!rcosj

From -3596304413852990986
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2862ba03294dc91c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 22:22:43 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!uakari.primate.wisc.edu!sdd.hp.com!wuarchive!emory!gatech!udel!princeton!kb2ear!overlf!emanuele
From: emanuele@overlf.UUCP (Mark A. Emanuele)
Newsgroups: rec.ham-radio
Subject: Re: Radio Propagation and Nuclear Winter ?
Message-ID: <1820@overlf.UUCP>
Date: 16 Oct 90 05:22:43 GMT
References: <9009181856.AA27614@ucsd.edu> <7880294@hpfcdc.HP.COM>
Organization: Overleaf, Inc.
Lines: 20
Posted: Tue Oct 16 06:22:43 1990

In article <7880294@hpfcdc.HP.COM>, perry@hpfcdc.HP.COM (Perry Scott) writes:
> Anybody care to venture a guess what transmission mode will be most
> successful just after the initial EMP ? No... It couldn't be ... HF
> CW ? Gak. That's even scarier than The Bomb itself.

If it comes to that, I don't want to be left around.

--
Mark A. Emanuele
V.P. Engineering Overleaf, Inc.
500 Route 10 Ledgewood, NJ 07852-9639   attmail!overlf!emanuele
(201) 927-3785 Voice   (201) 927-5781 fax   emanuele@overlf.UUCP

```
From -8871295233864011096
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a46f7c4057f1f101,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,a46f7c4057f1f101,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-10-15 22:44:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!
nosc!crash!guhsd000@crash.cts.com
From: guhsd000@crash.cts.com (Paula Ferris)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Commercial Gear (Info wanted)
Message-ID: <5062@crash.cts.com>
Date: 16 Oct 90 05:44:05 GMT
Sender: root@crash.cts.com
Organization: HALE Telecommunications, San Diego
Lines: 43
Xref: gmdzi rec.ham-radio:15783 sci.electronics:9134
Posted: Tue Oct 16 06:44:05 1990
```

This message is mostly on behalf of a friend, but I am interested in this also:

I'm looking for documentation of all types of commercial equipment relating to comercial broadcasting. Things of particular interests are manuals and diagrams, etc of Commercial FM Circular Polorized broadcast anntennas. Needless to saw, Jampro wasn't too keen ofn the idea of sending us detailed diagrams. We just want to do some experiments with circular polarization, and can't dish out the $40,000 for a basic C.P. Antenna.

Also, We have guts and parts (he's a collector of such stuff) of all types of transmitters and exciters, and I was asked to see if anyone may have information on (older) commercial transmitters and exciters. In particular, we're looking for documentation for CCA 10 Watt direct FM exciter, which the manual was lost a few years back, and CCA is now out of business.
I belive the CCA is from the 60s to mid 70s, and will run 80Mhz to 174Mhz with the proper tweeks and mods, and was intended for commercial broadcast as well as use for "Fixed" use, such as in a Local Gov't VHF system, and is crystal controlled. (That bandwith requires component changes...)

Also interested in Collins tranmitters, other CCA equipment, millitary, GE, etc...etc....

Just for info, Fair Radio sales in Lima, Ohio in their Fall 1990 catalog are advertising rhis:

```
       Technical Materials Corperation's GPT-10K
       2-32 Mhz SSB  10 Kw (!!) transmitter
       "Appears complete except 4cx5000a PA and 8295A Drivers"
       2700 Lbs Shipping Weight         $4,000   (Not Bad...)
```

It might just cost another $4,000 to ship it!

/
Hale Telecommunications Incorperated - KKLR & KALE

UUCP: (cbosgd, sdcsvax, nosc)!crash!guhsd000
ARPA: crash!guhsd000@nosc.mil
INET: guhsd000@crash.CTS.COM
RF : DC to Light

"...and hit him with the heaviest thing he could find, the current volume of
FCC Regulations...Uncle Mouth fell dead." - V. of Laryngitis

From 1103255340059174883
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1f794f611069b46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 23:20:26 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Ouch! ARRL takes a deeper bite....
Summary: ????
Message-ID: <398@ssc.UUCP>
Date: 16 Oct 90 06:20:26 GMT
References: <105.27187E04@rochgte.FIDONET.ORG>
Organization: very little
Lines: 25
Posted: Tue Oct 16 07:20:26 1990

In article <105.27187E04@rochgte.FIDONET.ORG>,
David.Stark@f218.n260.z1.FIDONET.ORG (David Stark) writes:

>   I would call your average flaming response to everyone pretty
> obnoxious. Read the article again and this time, THINK about it.
>   The point is, the ARRL Board of Directors advertises quite
> freely how "accountable" they are to the members. The official ARRL
> line is that the League is not run by the people in Newington, but by
> the members. If that is the case, then the members who are actually
> running the League should be deciding on major expenditures of OUR
> dues money.

I must be missing something. David expresses outrage that the League
didn't check with him personally when the board voted to hire a couple
of staff people. Then somehow this is construed to mean that there
is no representation, when in fact we elected the board.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW

USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 5296947851805518043
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb108b67bb5a46d6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 23:55:50 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpcc05!hpdmd48!ritchie
From: ritchie@hpdmd48.boi.hp.com (David Ritchie)
Newsgroups: rec.ham-radio
Subject: Re: Auto Alarm Remotes
Message-ID: <530024@hpdmd48.boi.hp.com>
Date: 16 Oct 90 06:55:50 GMT
References: <34407@cup.portal.com>
Organization: Hewlett Packard - Boise, ID
Lines: 7
Posted: Tue Oct 16 07:55:50 1990

Evidently, the theives in Boston have gotten wise to LoJack -- they tend to let stolen cars sit in an out of the way location for a few days prior to taking them off to the chop shops, nowadays.

-- Dave

From -3966504113353485154
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,65e5a26f006c36d0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 00:49:54 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpcc05!hpdmd48!ritchie
From: ritchie@hpdmd48.boi.hp.com (David Ritchie)
Newsgroups: rec.ham-radio
Subject: Re: Re: turn down the flamethrower, Tad
Message-ID: <530025@hpdmd48.boi.hp.com>
Date: 16 Oct 90 07:49:54 GMT
References: <69.27121FBB@rochgte.FIDONET.ORG>
Organization: Hewlett Packard - Boise, ID
Lines: 24
Posted: Tue Oct 16 08:49:54 1990

Sorry, my local machine has been suffering from swap constipation... and I have sick disk drives to minister over.. :^>

>> From: tad@ssc.UUCP (Tad Cook)
>>
>>> consider it. Since I am not even close to retirement age, this is

>>> a problem that may be unique to my age group. Is the ARRL doing anything
>>> about it? Nope.
>>
>> WHAT? This guy obviously does not read QST.
>
>   What is ARRL doing about restrictive covenants? PRB-1 doesn't
>have anything to do with those.

Nada. Zip. PRB-1 doesn't say squat about restrictive covenants. Antennas are generally prohibited in subdivisions platted within the last 20 years. (And the places that did allow antennas were in unsuitable neighborhoods for other reasons, such as houses being too old, bad location, etc.). I am not willing to buy 5 acres of rural land just to put up a vertical or 2 and some wire antennas (which was the alternative available). There isn't a whole lot of land that isn't restricted in this way anymore.

-- Dave N4DJS

From -1231514923722827165
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55888b98d8a29769
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 01:14:25 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpcc05!hpdmd48!ritchie
From: ritchie@hpdmd48.boi.hp.com (David Ritchie)
Newsgroups: rec.ham-radio
Subject: Re: deed restrictions
Message-ID: <530026@hpdmd48.boi.hp.com>
Date: 16 Oct 90 08:14:25 GMT
References: <11088@hacgate.UUCP>
Organization: Hewlett Packard - Boise, ID
Lines: 20
Posted: Tue Oct 16 09:14:25 1990

CC&R's are nasty because they are not consistant. They vary widely, and in ways that are not rational to an observer (e.g. two adjacent lots may have CC&R's that are completely different). Also, you as a buyer have *no* choice about accepting the CC&R, as they are filed with the land and run with it. Since they are inconsistant, it means that each must be fought individually, and there is no precedent being built by getting one changed. I feel that there are may also be some constitutional questions in situations where *no* antennas are allowed. (My last house had CC&R's that prohibited all antennas. I had thought about putting up the tower and sweetly asking them to take out their garage door openers if the neighbors protested, but I decided against it :^>)

Covenant violations can get nasty and expensive if the neighbors are a**holes. I personally don't like spending time talking to lawyers and judges to establish an expensive legal point. Also, many people who would be interested in radio just don't care to fight with architectural committees, neighbors etc. just to put up an antenna.

  -- Dave N4DJS

From -7407412352494720179
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55888b98d8a29769
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 01:19:05 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!hpdmd48!ritchie
From: ritchie@hpdmd48.boi.hp.com (David Ritchie)
Newsgroups: rec.ham-radio
Subject: Re: deed restrictions
Message-ID: <530027@hpdmd48.boi.hp.com>
Date: 16 Oct 90 08:19:05 GMT
References: <11088@hacgate.UUCP>
Organization: Hewlett Packard - Boise, ID
Lines: 18
Posted: Tue Oct 16 09:19:05 1990

>>
>> Does ARRL have a lobby in congress. I'm about to get licenced, and I
>> would like to know if I have an optimistic future in amateur radio. I'm
>> still considdering the option of illegal configuration, but I hope it
>> doesn't come to that.
>>
>
>I understand that the ARRL does not do any lobbying because it would
>threaten the league's tax exempt status.
>
>Tad Cook
>Seattle, WA
>Packet: KT7H @ N7HFZ.WA.USA.NA

  So, how does the NRA get away their lobby? Or is the ARRL under a different
tax status?

-- Dave N4DJS

From 6229255996016508119
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3dfae72efb567553
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 04:56:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!rutgers!soleil!gopstein
From: gopstein@soleil.UUCP (Rich Gopstein)
Newsgroups: rec.ham-radio
Subject: Re: Oscar antennas, your views sought
Summary: oscar antennas

Message-ID: <1115@soleil.UUCP>
Date: 16 Oct 90 11:56:02 GMT
References: <12280018@hpspdra.HP.COM>
Organization: Harris Semiconductor, Somerville, NJ
Lines: 35
Posted: Tue Oct 16 12:56:02 1990

In article <12280018@hpspdra.HP.COM>, henryb@hpspdra.HP.COM (Henry Black) writes:
> So could anyone post their views on commercial offerings, particularly
> performance experience and perceived quality of construction.
> Any views on the practicality of using an Alliance 110 rotor for
> elevation? (I have a heavy duty rotator already for azimuth).

I have a KLM 2M-14C and a KLM 440-18C for my oscar antennas. They are well constructed, and I've never had a problem with them. The choice of number of elements will depend on which satellites you want to use, though. The two antennas I use are somewhat short for use with Oscar-13 except when its pointing angle is very small (ie. its beams are aimed in my general direction). This occurs each apogee, so it's not a major problem, but you won't have access to the satellite during other portions of its orbit.

For Microsat work, my antennas are just the right trade-off between beamwidth and gain. A longer antenna would be more difficult to keep aimed at the rapidly moving satellite.

I use a U-110 for elevation control, but would not recommend it unless you absolutely could not afford a better rotor. It doesn't have continuous antenna location feedback, only a very poor "click-type" indicator. For satellite work, you really should have a much more accurate elevation indicator. In addition, you would have to add you own antenna position feedback to use computer-controlled antenna aiming (which is a BIG plus on the low-earth-orbit satellites).

Rich, KD2CQ
--
Rich Gopstein

gopstein@soleil.nj.semi.harris.com
..!rutgers!soleil!gopstein

From -1987807293881218270
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ff4a43f00a32cbaa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 05:13:49 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!uwm.edu!bionet!agate!ucbvax!LONEX.RADC.AF.MIL!szarekw
From: szarekw@LONEX.RADC.AF.MIL (William J. Szarek)
Newsgroups: rec.ham-radio

Subject: DR590T Remote Control
Message-ID: <9010161213.AA16679@lonex4.radc.af.mil>
Date: 16 Oct 90 12:13:49 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 87
Posted: Tue Oct 16 13:13:49 1990

From: szarekw (William J. Szarek)
To: info-hams@wsmr-simtel20.army.mils
Date: Tue, 16 Oct 90 08:04:03 EDT
Subject: DR590T Remote Control
X-Acknowledge:

And now the long awaited jinglish - english translation for the remote control of the DR-590t by a transceiver with DTMF. (and as a bonus a big disappointment)

The following is a direct copy of the info Alinco was kind enough to send me. [my comments appear in these brackets]

1. Set frequency
    a, go to vfo mode and set desired frequency on the DR-590T, and fully open squelch. ("Busy" indicator will appear).
    b, Set same frequency on the remote Transceiver, and fully open squelch.
    [not necessary]

2. Set Remote Channel and access code.
    a. enter C10 on the DR-590 Touch Tone Mic Pad. *the frequency display will flash).
    b. Enter channel selection (one numerical digit (1-4) and an access code (three numerical digits) on the DR-590T touch Tone Mic Pad. [it would be good for you to compare this part with the DSQ function descrition in the manual so that you can see "What is realy happening here"]

3. Enter DSQ function in the DR-590T
    a. enter C!@ on the DR-590T Touch Tone Mic Pad.
    (DSQ indicator will flash)
    b. Push the PTT on the DR-590T Mic.
    DSQ indicator will stop flashing and the "busy" indicator turns off)
    c. Press the "f" (function) key and the MHz (up) key. The DSQ starts flashing again, and there will be a confirmation tone.

4. Access Remote Transceiver to DR590T
    a. From the remote transceiver, transmit same DTMF access code (three numerical digits) as set into the DR-590T. The "Busy" indicator turns on the DR-590T (normally, you will hold the PTT on your remote transceiver and push the appropriate DTMF tones). [???? Jinglish again ?!?!?!?]

5. Initiate remote control commands
    a. From the remote transceiver, transmit the desired "C" code (see page 14 of the DR-590T manual) from the dtmf Touch Tone Pad.

b. If you want to perform an additional remote commands you must remember to put the remote transciever in the same frequency that the DR-590T may be in. [how in the hell do you know if you are remote from the DR-590 and if you err durring a remote command how do you recover . . . more on this later] Retransmit the access code and the desired "c" code.

6. Cancelling the remote control function and turning off the dsq function

a. If the DSQ indicator is not flashing, enter C12 on the touch tone pad of the dr-590t. the dsq will start flashing.

b. With the dsq indicator flashing, press the MHz (down) button once. The dsq indicator will turn off.

--End of instructions from Alinco --

Now the bummer
This function does not allow you to control frequency selection/etc on the other band. (i.e. from 440 you cannot switch over to 2meters and change frequency and then go back to 440). You cannot operate this function in conjunction with any of the memories, you must remain in VFO mode. This function does not opperate in cross band remote mode.

I am a bit miffed that Alinco didn't see this through. They could have created the all time worlds greatest mobile rig that would allow one to access it via 440 and then work any of your favorite 2 meter repeters operating as a remote base. They even saw fit include a dtmf function that allows you to remote key the transmitter (rather than running as a repeater). This in conjunction with the other functions that are 1/2 implemented certainly say something about Alinco.

Counter point
It is still a great radio and I would buy it again still knowing what I know now. The only differance is that I wouldn't be as disappointed when I found out that the rig doesn't "really" do all that Alinco says it can do.

Any way I hope you enjoy your rig as much as I enjoy mine.

73
buzz
KE2WD

Comment by: szarekw   Date: Tue, 16 Oct 90 08:13:49 EDT

From 4496627434209476590
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4fddbe0d1e4f804,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 06:03:53 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!uwm.edu!bionet!agate!ucbvax!LONEX.RADC.AF.MIL!szarekw
From: szarekw@LONEX.RADC.AF.MIL (William J. Szarek)
Newsgroups: rec.ham-radio

Subject: Code & other requirements
Message-ID: <9010161303.AA17152@lonex4.radc.af.mil>
Date: 16 Oct 90 13:03:53 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 61
Posted: Tue Oct 16 14:03:53 1990

Congrats to Mike Gauland on his new ticket. Yes I suppose enjoying CW is "unpopular" politically but you are not alone. Many people like code we just don't talk about it ....

Tad said that 5 upm is bare usable . . .Right-on! Mike, now you will find yourself sitting for hours having a cw qso with someone. You will have a lot of fun, no doubt at all, but . . . when you get up in speed to 13, 15 and 20 wpm you will begin to find you have just as much fun (maybe more) and you still spend hours at the rig, only difference is now you can actually talk with your key.

```
example
Novice: (this takes 10 min. so you must ID every time)
        kx7xxx de kz7zzz bt
        blah blah blah . . .
        blah blah blah . . .       [z transmission]
        etc
        kx7xxx de kz7zzz kn

Extra: (this takes 10 min.)
        kx7xxx de kz7zzz bt
        blah blah blah . . .       [z transmission]
        blah blah blah . . .
        etc KN
        blah blah blah . . .       [x transmission]
        blah blah blah . . .
        etc KN
        blah blah blah . . .       [z transmission]
        blah blah blah . . .
        etc KN
        blah blah blah . . .       [x transmission]
        blah blah blah . . .
        etc bt
        kz7zzz de kx7xxx KN
```

So cw becomes more converational. Eventually you will be able to copy it in your head just like when you listen to someone talk. Trying to realize this (for myself when I had my novice) was like being a child who barely knows the alphabet and trying to read shakespear! Keep working at it and you will be there in no time, all it takes is daily practice.

The reason (as I see it) for the "class" structure is to reserve some portion of the band for "high speed" cw operators. If you look at the band plan, you dont gain all that much spectrum by upgrading. And unless you want some of the other privalages (being a VE) you really have no reason to upgrade unless you want to get into high speed cw and use those reserved portions of the band. I suppose there are those that think of the classes as a caste system and that Extras are "better" than generals, or techs but that is a realy stupid reason to go through the trouble of upgrading.

By the way I support the no code licence as long as the CW bands don't change so that we can still have our kind of fun. [a possibly lame attempt to quell a flamefest :-)]

Keep working at it mike, hope to hear you in the lower edge of the band some day soon.
73 es gl
buzz
KE2WD

From -1855881061948777838
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e557303c47b25d94,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 06:10:53 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!uwm.edu!bionet!agate!ucbvax!pucc.PRINCETON.EDU!MEHARP01%ULKYVM
From: MEHARP01%ULKYVM@pucc.PRINCETON.EDU (Michael Harpe)
Newsgroups: rec.ham-radio
Subject: This whole Code Test thing
Message-ID: <9010161408.AA01114@ucsd.edu>
Date: 16 Oct 90 13:10:53 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: University of Louisville
Lines: 14
Posted: Tue Oct 16 14:10:53 1990

Here's the exact quote from FCC rules regarding exam grading. This is Part 97.29 (C) entitled "Examination Grading."

"An applicant passes a code element if he/she proves his/her ability to transmit correctly by hand key (straight key or electronic keyer, but not a keybaord keyer) and to receive correctly by ear texts in the international Morse code at not less than the prescribed speed during a five-minute test period. Each five characters shall be counted as one word. Each punctuation mark and numeral shall be counted as two characters."

Enough of this, now. The guy is wrong. Face it.

Mike Harpe, N4PLE

From -8525716462085960251
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,72f949d32799d2a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 06:30:49 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!uwm.edu!bionet!agate!ucbvax!ULKYVM.BITNET!MEHARP01
From: MEHARP01@ULKYVM.BITNET
Newsgroups: rec.ham-radio
Subject: No Subject
Message-ID: <9010161330.AA29156@ucsd.edu>
Date: 16 Oct 90 13:30:49 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: University of Louisville
Lines: 71
Posted: Tue Oct 16 14:30:49 1990

Thought the net might like this....
*** Forwarding note from WXSPOT --CMSNAMES 10/15/90 22:26 ***
Received: from VMD.CSO.UIUC.EDU by ULKYVM.BITNET (Mailer R2.07) with BSMTP id 0434; Mon, 15 Oct 90 22:26:59 EDT
Received: by UIUCVMD (Mailer R2.07) id 6384; Mon, 15 Oct 90 21:27:45 CDT
Date: Mon, 15 Oct 90 21:25:00 CDT
Reply-To: WX-SPOT@VMD.CSO.UIUC.EDU
Sender: WX-SPOT weather spotters and coordinators <WX-SPOT@UIUCVMD>
From: Keith Brewster <KBREWS@GEOHUB.GCN.UOKNOR.EDU>
To: Mike Harpe <MEHARP01@ULKYVM.BITNET>

For all the hams on the WX-SPOT list...
It seems like an odd week for it, but a note of appreciation from the Hoosiers.
-kb

ABUS34 KIND 151416
INZALL-151800-

PUBLIC INFORMATION STATEMENT...AMATEUR RADIO APPRECIATION WEEK...
NATIONAL WEATHER SERVICE INDIANAPOLIS IN
900 AM EST MON OCT 15 1990

GOVERNOR EVAN BAYH HAS PROCLAIMED THIS WEEK...OCTOBER 14 THROUGH 20 1990 ...AS AMATEUR RADIO APPRECIATION WEEK IN THE STATE OF INDIANA. ALL HOOSIERS ARE ENCOURAGED TO RECOGNIZE THE IMPORTANT CONTRIBUTION MADE BY THESE DEDICATED VOLUNTEERS.

INDIANA AMATEUR RADIO OPERATORS PROVIDE INVALUABLE SERVICES WHICH HELP SAVE LIVES AND PROTECT PROPERTY. THEY PROVIDE COMMUNICATIONS EQUIPMENT AND VOLUNTEER THEIR SERVICES TO NATIONAL WEATHER SERVICE OFFICES DURING TIMES OF ADVERSE WEATHER.

AMATEUR RADIO OPERATORS PLAY A MAJOR ROLE IN THE NATIONAL WEATHER SERVICE WARNING PROGRAM. THE WEATHER SERVICE DEPENDS ON TIMELY REPORTS OF TORNADOES...WIND DAMAGE...HAIL AND FLASH FLOODING FROM TRAINED

SPOTTERS. MANY SEVERE WEATHER SPOTTERS ARE LAW ENFORCEMENT OFFICERS... FIREFIGHTERS AND EMERGENCY MANAGEMENT (CIVIL DEFENSE) OFFICIALS. BUT ABOUT 30 PERCENT OF SEVERE WEATHER SPOTTERS ARE AMATEUR RADIO OPERATORS.

DURING MAJOR SEVERE WEATHER EVENTS AMATEUR RADIO OPERATORS WORK OUT OF NATIONAL WEATHER SERVICE OFFICES...SETTING UP SPOTTER NETWORKS COUNTY BY COUNTY AS NEEDED. WEATHER SERVICE PERSONNEL FEED SPOTTERS INFORMATION ON STORM STRENGTH AND LOCATION BASED ON RADAR...AND THE SPOTTERS RELAY REPORTS OF SEVERE WEATHER BACK TO THE WEATHER SERVICE. THESE SEVERE WEATHER REPORTS HELP WEATHER SERVICE FORECASTERS TO DECIDE WHERE AND WHEN TO ISSUE TORNADO...SEVERE THUNDERSTORM AND FLASH FLOOD WARNINGS.

DURING THE JUNE 2 1990 TORNADO OUTBREAK...DOZENS OF TIMELY REPORTS FROM AMATEUR RADIO OPERATORS THROUGHOUT INDIANA ASSISTED IN THE WARNING PROCESS.

IN ADDITION TO SEVERE WEATHER OPERATIONS...INDIANA AMATEUR RADIO OPERATORS PROVIDE DAILY RAINFALL OR SNOWFALL REPORTS TO THE NATIONAL WEATHER SERVICE HYDROLOGIC PROGRAM. THESE WET NET REPORTS ARE USEFUL IN PREDICTING RIVER STAGES AND FLOODING.

AMATEUR RADIO OPERATORS ARE A DEDICATED GROUP OF VOLUNTEERS WHO HELP THE NATIONAL WEATHER SERVICE PROVIDE THE BEST POSSIBLE WARNINGS AND FORECASTS TO THE PEOPLE OF INDIANA. HATS OFF TO THE INDIANA AMATEUR RADIO OPERATORS.

JIM ALLSOPP
WARNING AND PREPAREDNESS METEOROLOGIST

Keith Brewster   N0IAW
Internet: kbrews@geo785.gcn.uoknor.edu   BITNET: kbrews@UOKGCN.BITNET
University of Oklahoma, School of Meteorology
200 Felgar St, Norman, OK 73019 (405) 325-3030 msgs:325-6561 fax:325-7689

From -2886218990932560560
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79d7c95ed0ec93aa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 06:33:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!watserv1!watmath!att!att!cbnews!wrb
From: wrb@cbnews.att.com (Wallace R. Blackburn)
Newsgroups: rec.ham-radio
Subject: CW Filters
Keywords: heath cw hw-100
Message-ID: <1990Oct16.133310.1130@cbnews.att.com>
Date: 16 Oct 90 13:33:10 GMT
Organization: AT&T Bell Laboratories
Lines: 24
Posted: Tue Oct 16 14:33:10 1990

I have a Heathkit HW-100 that I use almost exclusively for CW (yeah, yeah I know). I picked it up used (no kiddin') and it has the SSB (2100 Hz) filter in it. I've found filters available from Fox-Tango and I think I want to get one. My question is this: they have 400 Hz and 250 Hz filters - do I want the tighter one, or are there tradeoffs between tighter filters and wider ones (i.e. is it difficult to tune, etc.) There is no provision for switching between two filters, so unless I rig something up, I will be stuck with whatever is in there. I know I won't be able to work SSB, but that's OK (with ME - only with ME). Any advice would be appreciated.

Oh yeah, one more question: If I am in an accident and my car will blow up in a few minutes and there is no one else to go for help and my HT has been modified to work on police bands and there is no repeater around (whew), is it OK to call the police on it? But wait! Blood from a severed artery has leaked into the HT and ruined the microphone! I'll have to use code! Thank God I had to learn it to get my license. But my VE never tested me on sending code with a HT mic button! Should I sue him/her if I get out of this alive? What a dilemma! :) (Sorry, I couldn't resist)

73,

Wally Blackburn N8MWU
wrb@cblpn.att.com

From -9017520790538668554
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,834b03fed3a9697a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 06:49:15 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!ryn.esg.dec.com!muhthr.dec.com!bruthr.cdad.dec.com!acp
From: acp@bruthr.cdad.dec.com (Andy Payne)
Newsgroups: rec.ham-radio
Subject: Wanted: 2m J-pole dimensions
Keywords: 2m antenna j-pole wanted
Message-ID: <1186@muhthr.dec.com>
Date: 16 Oct 90 13:49:15 GMT
Sender: news@muhthr.dec.com
Reply-To: payne@ad.enet.dec.com
Organization: DEC Cmos Design A/D
Lines: 11
Posted: Tue Oct 16 14:49:15 1990
Nntp-Posting-Host: bruthr.cdad.dec.com

Anyone have any experience with 2m J-poles made from 300 ohm flatline? I need plans, dimensions, references (couple of years back in 73, I think, but I can't find it....). Please e-mail and I'll summarize to the net.

Thanks in advance,

```
--
=  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =  =
Andrew C. Payne, N8KEI       Internet:    payne@ad.enet.dec.com
                             UUCP:        ...decwrl!ad.enet!payne
```

From -5574532486569349987
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c95c211ebf05ef61
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 07:30:54 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!sdd.hp.com!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: The world of HTs
Message-ID: <1434@ke4zv.UUCP>
Date: 16 Oct 90 14:30:54 GMT
References: <memo.487870@lynx.northeastern.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 96
Posted: Tue Oct 16 15:30:54 1990

In article <memo.487870@lynx.northeastern.edu> sehrlich@lynx.northeastern.edu writes:

>I have a very big favor to ask. Soon, I am going to be looking for a workable
>HT (preferably dual-band and with DTMF capabilities). What can anyone tell
>me about the different manufacturers and their models? And prices?
>
>Here is a list of manufacturers that I have sees ads from. If there is anyone
>that I missed, please add them to the list.
>
>Please include any information you think would be helpful in my purchase.
>The key factors I am looking for are: Quality, features, and reliability
>versus price. (But then again, who isn't?) One important note though:
>I am very tight on money. I would like to hit Ham flea markets & discount
>warehouses (<- Do they exist?) first.
>
>List:
>
>Heathkit

The current stuff sold by Heathkit is rebranded Japanese equipment. I don't know who is making their equipment this week, but lately they've been selling rebranded Yaesu HF gear and Standard Electronics of Japan HTs. Buying from Heath is kind of like buying from Sears. You won't get the best deals and you may have trouble getting parts after they change vendors, but the equipment will be generally serviceable.

>Alinco

Alinco is a minor Japanese inport. Features are great, price is reasonable, but quality is spotty.

>Kenwood

Kenwood is a major player in the ham market. Be aware that these are high margin products. Look for major discounting. The quality of the HF rigs is top notch. The VHF/UHF equipment quality is spotty. Their HTs are small and feature laden, but some models are fragile.

>Motorola? <- Do they make Ham HTs or just commercial two-way tranceivers?

Motorola makes several grades of HT that can be used in ham service. They have a limited number of channels (from 2 to 16) and don't have the gee whiz features of the Japanese radios. They are extremely rugged physically and hold up well in extreme RF enviornments.

>ICOM

Icom is a major player in the ham market as well as the commercial market. Their equipment tends to be pricey. Their philosopy tends toward technical wizardry rather than featuritis. Their receiver frontends generally feature a high intercept point and their introduction of direct digital synthesis has resulted in radios with extremely low noise floors. Except for the micro 2, their HTs have been known for their ruggedness. The IC-2AT is the standard by which ham HTs are judged. Their VHF/UHF gear is generally excellent. They have been playing catchup to Kenwood at HF for some years. Their new HF series is superb.

>Yaesu

Yaesu has been considered a second tier company in the US ham market. This is changing rapidly. Their new HF equipment is top line and their VHF/UHF gear is excellent as well. In particular the FT736 is excellent as is the FT1000 HF rig and the FT470 HT. These radios tend to be feature laden with some sacrifice in intermod performance. Pricing is somewhat better than Kenwood or Icom.

What do I own?

I own and abuse the IC-2AT, the IC-4AT, and the whiz bang FT470 HTs. Lately I find myself carrying the FT470 most often except when I will be in an extreme RF enviornment like a mountaintop repeater site.

I own and abuse the IC-900 and IC28H mobile rigs. I have had no problems with either of these rigs even though the IC-900 is mounted in a Jeep.

My main VHF/UHF base rig is currently a Kenwood 790A. This radio has caused me a world of grief. It replaced a IC451A and a much beloved IC211 that suffered a severe lightning hit. The Kenwood suffered a 440 power module failure within the first month. The radio is advertised as suitable for use with amateur satellites, yet the narrow filters are not accessable by the downlink receiver. It has frequency tracking for satellite use, but only if you hold a button in while tuning. I intend to replace this radio as soon as possible.

On HF I use an IC735 transceiver both mobile and base. It may not be the DXers dream, but the receiver is incredible and the transmitter is solid. My previous HF rigs were an unsatisfactory IC745 transceiver and a wonderful pair of Drake Twins.

My recomendation for an HT? The FT470 dual bander has more bang for the buck than anything else. A used IC2AT would be the best single band HT for the money.

Gary KE4ZV

Disclaimer: I don't work for Icom.

```
From 6774180628253601216
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db96dcdd679c4e46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 07:33:33 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!cs.umn.edu!ub.d.umn.edu!rutgers!
cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!
jle
From: jle@hpfcdc.HP.COM (Jer/ Eberhard)
Newsgroups: rec.ham-radio
Subject: Re: Re: Info-Hams Digest V90 #296
Message-ID: <7880318@hpfcdc.HP.COM>
Date: 16 Oct 90 14:33:33 GMT
References: <9010101401.AA12556@ucsd.edu>
Organization: HP Fort Collins, Co.
Lines: 21
Posted: Tue Oct 16 15:33:33 1990
```

> Thank you for posting the above info. Now, will some of the
> pro-modified-HTs-for-emergency-communications tell me why hams need to
> be capable of RCC splits with amateur transceivers?

Because it is there! This is the United States of America... that used to mean freedom and personal responsibility.

Let me take a different tack and discuss driving:
You are certainly capable of driving your car across the center median and directly into the path of oncoming traffic. We have laws which state that you shall not do this, but it happens periodically. I see radios as the same thing. I can do it, it is against the law... I choose not to. Capability is not against the law... use is.

Can we please get back to the regularily scheduled program of technical discussions, mods and code wars, now?

Jer/ Eberhard, (SLASH), HAM = N0FZD | Hewlett-Packard - MS99, 1UP10,15'East

Pilot: ASEL, COMM, INST, and CFI-GLIDER | 3404 East Harmony Road (303) 229-2861
CAP Check&Mission Pilot, Pikes Peak 218 | Fort Collins, Colorado 80525-9599
ARPA: jle@hpfcla.fc.hp.com | Jer_Eberhard@hpfcla.fc.hp.com

From 2888921427555932992
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7ba1b104af081a8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 09:27:04 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!usc!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and intermodulation.
Message-ID: <1407@ke4zv.UUCP>
Date: 13 Oct 90 16:27:04 GMT
References: <05.Oct.90.12:11:22.BST.#3652@UK.AC.NWL.IA> <40562@cci632.UUCP> <364@ssc.UUCP> <40636@cci632.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 26
Posted: Sat Oct 13 17:27:04 1990

In article <40636@cci632.UUCP> cep@ccird7.UUCP (Christopher E. Piggott, WZ2B) writes:
>In article <364@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>>Intermod in your receiver is not caused by spurious emissions. And if you
>>have your TH215 hooked to any antenna other than the little rubber one that
>>came with it, the problem will be worse.
>
>I don't understand ... why? Just because the outside antenna can "hear"
>better?

The outside antenna will collect more signal than the rubber duck. When you over drive an amplifier you get spurious products. As an example, think of an HF linear designed to be driven with 65 watts. Drive it with 400 watts and you will be very unpopular. Can you say splatter? The situation is the same in a receiver RF amplifier, only the levels are much lower. When you hit it with too much RF you change the operating point of the amplifier to a nonlinear portion of it's operating curve. Another name for a nonlinear amplifier is a mixer. One way to reduce this problem is to design the amplifier with a large standing current. This strong dc bias requires much more input signal to shift the operating point to the nonlinear region. HT manufacturers don't do this because of excessive battery drain. They don't put in good passive filtering because hams have demanded wide receive coverage and a very small package. It's a tradeoff, if you want a clean receiver you must accept a bigger package with narrow frequency coverage and heavier battery drain.

Gary KE4ZV

From -8380547329029959680
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7ba1b104af081a8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 10:10:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!larry!sde
From: sde@larry.sal.wisc.edu (Scott Ellington)
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and intermodulation.
Message-ID: <1147@larry.sal.wisc.edu>
Date: 12 Oct 90 21:52:15 GMT
References: <1990Oct11.215802.503@mentor.com> <238@nachos.SSESCO.com>
Reply-To: sde@larry.sal.wisc.edu.UUCP (Scott Ellington)
Organization: Space Astronomy Lab, Madison, WI
Lines: 5
Posted: Fri Oct 12 22:52:15 1990

Forget the Toko helical filter: Its insertion loss is 8 dB. A low loss helical filter would be considerably larger.

K9MA

From -4659411739338223895
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc60d0a31f629acc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 10:21:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!swrinde!
zaphod.mps.ohio-state.edu!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: DAB taking ham freqs?
Message-ID: <1408@ke4zv.UUCP>
Date: 13 Oct 90 17:21:27 GMT
References: <9010112228.AA02460@cmr.ncsl.nist.gov>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 44
Posted: Sat Oct 13 18:21:27 1990

In article <9010112228.AA02460@cmr.ncsl.nist.gov> rc@CMR.NCSL.NIST.GOV (Robert Carpenter) writes:
>
>This brings me to the deeper question. WHY DO WE NEED ALL THAT MICROWAVE
>BANDWIDTH??
>

The numbers in your article didn't allow any guard band. Assuming reasonably state of the art equipment, doubling your numbers should allow acceptable guard band.

Considering your 35 kbs assumption, I certainly want better thruput than that. Floppy speed of 500 kbs would be acceptable now, but I do want to be able to interact with a X client/server pair in a snappy manner. I do want to be able to program distributed computer systems. I do want to transmit high definition video in real time. I want to do things that are currently impractical because we don't have the speed/bandwidth needed yet. Predicating future spectrum needs on current digital usage is a mistake. There are many potential digital uses that currently aren't being done because the technology to give us the needed thruput isn't available to amateurs yet.

As one example consider an autonomous mobile robot. It transmits high definition video of it's surroundings. It's movements are controlled by a set of cooperating subprograms running on a group of desktop computers all connected by a distributed network. Sounds fantastic doesn't it? Give me the thruput and I know several people who would like to take a crack at it. The lower microwave bands are ideal for this application since conventional omni antennas are still practical. At 10Ghz and above tracking problems would become severe at fairly short ranges.

As another example consider amateur radar. The doppler radar I play with doesn't take up much bandwidth, but a friend of mine is playing with pulse radar for radiolocation. Yes, it's not at 2 Ghz, but it still takes up a big chunk of amateur microwave spectrum.

There's lots more than weak signal work being done at microwave frequencies. Not a lot of people are doing it yet, but as more people learn how to do it, the activity will hopefully grow. If we lose large chunks of spectrum, it'll die on the vine. The few remaining slivers will only be useful to the weak signal DXers and some great experimental work will be lost.

Gary KE4ZV

From -8595630799331488767
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,46aaec2233e14012
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 10:57:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!fozzie!stanley
From: stanley@fozzie.pheonix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: can 2sat do repeater split of 6.46 MHz?
Message-ID: <aRRZq1w161w@fozzie.pheonix.com>
Date: 13 Oct 90 17:57:57 GMT
References: <195@kumr.UUCP>
Organization: One Man Brand
Lines: 31
Posted: Sat Oct 13 18:57:57 1990

pozar@kumr.UUCP (Tim Pozar) writes:

> In article <1990Oct8.191935.1001@mozart.amd.com> reed@mozart.amd.com (David F
> >well, it seems to me, Civil Air Patrol repeaters frequently straddle the 2m
> >band; they don't seem to mind "modifed ham gear" vs. type accepted, and to
> >my knowledge this is not unlawful;
>
>   Yup, it is.
>
>   And I know a certain FCC Field Officer in San Francisco that loves
> to bust this sort of violation.
>
>   Tim - KC6GNJ

Please ask him under what authority he is doing so. The reason for type acceptance is to preclude the need for technical inspection of individual pieces of gear. Guess what every piece of "modified" ham gear must go through before it may be used on CAP frequencies? Right -- inspection by a commercial licensee to ensure emmission and stability performance.

Each amateur licensee is granted the authority to certify his own gear when used in amateur use. That is why home-brew amateur gear is legal. That's also why there is a technical exam.

The certification remains with commercial licensees for non-amateur use. This certification overides type-acceptance.

Unless your FCC friend can provide other documentation, that is.

This is my signature. It doesn't contain my name at all!

From -2266768298003895345
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5c5b0d388a732fc8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 11:13:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!caen!sol.ctr.columbia.edu!
ira.uka.de!smurf!gopnbg!altger!doitcr!salyko!bohne
From: bohne@salyko.doit.sub.org (Ullrich Pfahler)
Newsgroups: rec.ham-radio
Subject: Software wanted
Keywords: ham atari
Message-ID: <2471@salyko.doit.sub.org>
Date: 13 Oct 90 18:13:25 GMT
Distribution: rec
Organization: CUBENet Munich
Lines: 25
Posted: Sat Oct 13 19:13:25 1990

Hi all,

a friend of mine asked me to forward his mail to this group:

------------------ cut here --------------------------

Hi all,

I soon will be a radio amateur. I own an Atari Mega-ST 2 and so I am looking for all kinds of soft and hardware referring to ham radio.

Especially I am looking for wefax-software, packet radio programs, CW-decoders (Hard AND Software).

Perhaps somebody could give a hint to me and tell me where to get such things !!

Thanks very much.

Write either to: 100012.1123@compuserve.com   or
                    fendrich@salyko.doit.sub.org

Thanks again!

Thomas Knauer

```
From 4527054511252513613
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f387812138f968a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 12:59:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!wuarchive!usc!ucsd!ucbvax!
WSUVM1.CSC.WSU.EDU!WHELCHEL
From: WHELCHEL@WSUVM1.CSC.WSU.EDU
Newsgroups: rec.ham-radio
Subject: CBS REPORT
Message-ID: <9010131959.AA25077@ucsd.edu>
Date: 13 Oct 90 19:59:58 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Sat Oct 13 20:59:58 1990
X-Unparsable-Date: Sat, 13 Oct 90 12:52:18 PLT
```

Did anyone see the CBS report on the usage and missuse of low power RF devices. This segment was aired October 12 in the late night spot.
I was much disturbed by the view put forth by CBS that people who use scanners are doing something unethical and that the radio spectrum should be opened up to commercial interests. The person CBS invited to give the opposition position (i.e. that it is ok to listen to short wave radio and other frequencies) was not given much opportunity to talk.
I will be writing CBS to express my views and I hope that many others will write them

```
From 1543590464535090389
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 14:13:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!lavaca.uh.edu!
menudo.uh.edu!sugar!garym
From: garym@sugar.hackercorp.com (Gary Morris)
Newsgroups: rec.ham-radio
Subject: Re: More on shuttle QSOs (Was (none) )
Message-ID: <6785@sugar.hackercorp.com>
Date: 12 Oct 90 23:45:05 GMT
References: <4145@altos86.Altos.COM> <45356@apple.Apple.COM>
<45392@apple.Apple.COM>
Organization: Sugar Land Unix - Houston
Lines: 40
Posted: Sat Oct 13 00:45:05 1990
```

There seem to be a number of misconceptions regarding what will
happen during the SAREX operations, though Patty (winter@Apple.COM)
clarified a number of things very well.

First, not all of Ron's downlink time has been allocated. He will have
time to talk with whoever he happens to hear. Look at the schedule I
posted back in September, anytime during the "crew tended" portion of
the SAREX schedule that is not between LOS and AOS of a specific
ground station is free time. For example, between MET 1/10:31 and
MET 1/12:00 Ron has no scheduled contacts.
If you didn't get a copy of the schedule I posted, send me mail at
gmorris@nasamail.nasa.gov and I'll mail it to you. The fact is there
just isn't a whole lot of free time while Ron is within sight of the
U.S. He only has a hour or two at the beginning and end of his shift
that is available for SAREX ops. Then you take out scheduled time
and time where he is not in range of the U.S. and there isn't a whole
lot of time left. I haven't taken the time to analyze the schedule
to find the free time where he is over the U.S., yet.

Patty correctly described the bridge contacts, Ron will talk to
amateur ground stations via his 2M radio, the ground stations will
use phone patch to a amateur repeater near the school and the school
will have a amateur radio set talking to the repeater. On the time-
line I posted these are the contacts with VK6IU, VK2AS and PY2PJO
and others.

Someone mentioned that Ron Parise was on the day shift, that is not
correct. Ron is on the team that has to stay in the "bright room"
at night for 4 days before launch to timeshift their circadian
rhythm (bright it is, 30,000 lux).

As far as QRM is concerned, scheduled QSOs are not on the announced
frequencies, so there shouldn't be a problem there. Plus most of
the school QSOs occur over Australia and Brazil.

--GaryM
--

```
Gary Morris - N5QWC/W5RRR      Internet: gmorris@nasamail.nasa.gov
Lockheed (LESC), A22           UUCP:     moray!avocado!garym (home)
Space Station Freedom          SPAN:     24810::"gmorris@nasamail"
Houston, Texas                 Phone:    +1 713 283 5195
```

From -3407649445026435206
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9043360031573ce9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 14:17:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Webster Smogpule III)
Newsgroups: rec.ham-radio
Subject: dreaming
Keywords: not so bad
Message-ID: <38202@ut-emx.uucp>
Date: 13 Oct 90 00:56:42 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 29
Posted: Sat Oct 13 01:56:42 1990

prager@Data-IO.COM (David Prager) says -

In article <333@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:

>
>Did he tell you how they attained those speeds? As I recall, some of the military branches would put new recruits in a big classroom where they sat at a mill (caps only typewriter) for 8 hours a day, copying code for something like TWO MONTHS. After that, the students would DREAM in Morse.
>

You're right, it sounds awful. (etc)

David

What do you mean, awful? I've had some great CW dreams - in one, I was in Benin (TY) listening to a CW pile-up, it was pretty neat. One of my better dreams.

The really awful dreams are those where you are in an SSB pile-up, shouting and shouting and shouting and not getting through the pile-up. I hate it when that happens.

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu

oo7@emx.utexas.edu

From -4383698930104255301
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f2bec5dbeb275ff
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 14:19:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Novice test code requirement... Aga
Summary: rec.ham-radio critters
Message-ID: <376@ssc.UUCP>
Date: 13 Oct 90 02:14:21 GMT
References: <121355@<90269> <30500757@ux1.cso.uiuc.edu> <357@ssc.UUCP> <4213@altos86.Altos.COM>
Organization: very little
Lines: 25
Posted: Sat Oct 13 03:14:21 1990

In article <4213@altos86.Altos.COM>, jerry@altos86.Altos.COM (Jerry Gardner) writes:
> In article <357@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>
> >I still think it was too bad that the original poster, a newly licensed
> >ham, could not post a comment that he thought the code test was no
> >big deal, without getting FLAMED.
>
> But Tad, don't you realize that it's politically unsound to actually like
> the code on this newsgroup? It's almost as bad as if you came out in favor
> of off-shore oil drilling or nook-lear energy?

HAR! Yes, I have noticed this. Liking the code, or not flaming someone
who has actually passed an exam beyond Tech without whining is NOT POLITICALLY
CORRECT on this forum!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 4426759595938999144
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c29d8abefd012d5,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 14:47:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!swrinde!ucsd!ucbvax!THESIS1.HSCH.UTEXAS.EDU!jmaynard
From: jmaynard@THESIS1.HSCH.UTEXAS.EDU (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V90 #309
Message-ID: <9010132147.AA00283@ucsd.edu>
Date: 13 Oct 90 21:47:44 GMT
References: <9010131130.AA06302@ucsd.edu>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 46
Posted: Sat Oct 13 22:47:44 1990

David Stark, the famous flaming newbie, flames again:

> Yes, I agree, there is a training problem. There is also a big attitude problem (spelled P-O-L-I-T-I-C-S) about "making" vollies take any kind of training.

Just because someone's not paid to do a job doesn't mean they can't do it in a professional manner. My 9 years in EMS were entirely volunteer, yet I received as much training as any paid paramedic in Texas (about 900 hours, between the various levels of EMT training and American Heart Association Advanced Cardiac Life Support certification). If they don't want to get trained, they shouldn't be out there.

> I never said they didn't need EMERGENCY communications. I said they don't need modified ham radios for routine operations and daily "radio checks." If they were properly equipped with legal radios for their day-to-day ops, then they would have legal commercial radios during emergencies, too, wouldn't they?

You must have been reading a different discussion than the rest of us. We were talking about use of modified ham rigs in emergencies. It's apparent you don't even bother reading before flaming.
Nobody was defending use of ham rigs during routine ops. Just EMERGENCIES.

> OK, Jay, if you will keep reading my messages until YOU understand them. I was not referring to emergency communications. These EMS officers/firefighters/whatevers DO NOT NEED AMATEUR RADIOS FOR THEIR DAILY AGENCY OPERATIONS.

Well, ** EXCUUUUUSE ME!!! * We were talking about EMERGENCIES. Period. The EMS officers need radios during routine ops, but that's a separate issue from using ham rigs during EMERGENCIES. Have you figured it out yet?

> Only inflammatory to people who believe in their inalienable right as a ham operator to transmit on any frequency to which they think they ought to be entitled by perceived loopholes in the rules. It just ain't so.

(I liked the way you deleted my qualifications and left yours...)

In an emergency they DO have such a right. IN AN EMERGENCY, THE RULES GO
OUT THE WINDOW. Keep repeating it, since it obviously hasn't sunk in yet.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu  | adequately be explained by stupidity.
"It's a hardware bug!" "It's a    +--------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_
```

From 4162135223951656015
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ad208867bbc6c75,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 14:48:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!ucsd!ucbvax!sulaco.enet.dec.com!judice
From: judice@sulaco.enet.dec.com (Peripheral Visionary 13-Oct-1990 1742)
Newsgroups: rec.ham-radio
Subject: Re: CBS "Goodnight America Show"
Message-ID: <9010132148.AA22948@decpa.pa.dec.com>
Date: 13 Oct 90 21:48:57 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Sat Oct 13 22:48:57 1990

Yes, I also saw that show and was pretty horrified. The segment before the swl-er, had CBS's "science consultant" - his name escapes me, but he's the former host of the PBS Newton's Apple show discussing frequency congestion. Lots of talk about navy radar "jamming burglar alarms in San Diego" (I thought it was garage door openers?).

All of this was presented at about a 3rd grade level, by a pair of co-anchors who later demostrated their techo-prowess by explaining "smileys" (:-), ;-), etc.).

What an awful show, and as the previous poster mentioned, very unresponsible. I would not worry though - I doubt many people were listening to this drivel, and you can bet the show will be cancelled in short order...

/ljj

From -5422730596682875O5
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1d375937fe194a99,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 16:24:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!cmr.ncsl.nist.gov!rc

From: rc@cmr.ncsl.nist.gov (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: Loss of 2400 MHz (85 lines)
Message-ID: <9010130432.AA07521@cmr.ncsl.nist.gov>
Date: 13 Oct 90 04:32:18 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 88
Posted: Sat Oct 13 05:32:18 1990

Fred R. Goldstein and Bob McGwier responded to my deliberately inciting posting where I ask: "WHY DO WE NEED ALL THAT MICROWAVE BANDWIDTH??"

--- Comments on Bob's posting -------

Thanks for your comments - though they are fully as despondent as my own feelings about keeping the microwave bands. As you point out, AMSAT is only likely to be able to show need for a few MHz, not many times more than the EME and terrestrial weak signal crowds would like (per band).

--- comments on Fred's posting ----

I calculate some AVERAGE channel capacities needed by 2 to 1000 hams doing a lot of large file transfers.
Fred calls me to task, saying:

> Interactive applications require averaging over milliseconds or seconds.

My response: Just because I average over a minute, doesn't mean that the traffic statistics will cause you to wait a minute. I could have averaged over a second, and come up with about the same results with more than a few stations. ie: 28 stations using 35 kbit/s each is about 1 Mbit/s

Regarding occupied bandwidth, Fred says:

> Okay, you've gone WAY wrong.
> First off, you have to translate the digital to analog (bandwidth)
>domain. The ratio is a cost tradeoff. Fairly cheap (FSK, 2PSK) radios will
>give you about 1 Hz/bps or worse;

I say: that is the number I implied...

> But higher efficiency costs a bit more; 6 bps/Hz is possible,
> but you have to be the phone company to afford it.

I say: .. and have a good S/N ratio... HEY FRED, I was trying to say we NEED the bandwidth, not that we need even less.

> Second, what is the latency we're tolerating? We do a lot more than
> transfer files with our computers, and would like packet radio to be
> like that. NNTP (news protocol that we're using now) polls each
> article from the server to the reader when you ask for the "next" one.
> How long do you want to wait? At 1 Mbps, it's pretty good. At 1200
> bps, it's hopeless.

I say: Don't you have computing power locally? Can't you transfer the mail in bulk and read the individual messages locally? Anyhow, just 'cause I averaged over a minute doesn't say you'll wait a minute. How long does it take you to read a 4 kilobyte mail message? Can't the mail system someday be smart enough to transfer one message ahead, or even all new messages? With personal computing power at home, we shouldn't demand to be allowed to remain stuck in the past with a mainframe-does-everything attitude.

> Should I even begin to mention remote graphics like the X Window System,
> which require interactive speeds in the 64 kbps range to be useful?
> It's not the average over the day, but the latency per message, that
> counts.

I say: Again, don't you have local computing power? Anyhow, it generally takes a while to interpret a screen before you want the next one. Since I gave you 35 kbits/s of a 1 Mbit/s (say) channel, we don't seem to widely disagree on this one.

> Also, a 10 MHz band is too small for repeaters. If we had two 10 MHz
> segments about 80 MHz apart, it would be a lot easier to separate the
> input from the output, in the 13 cm. range.

I say: Easier, yes, but 10 MHz spacing would just be the 600 kHz of 2 meters scaled to 13 cm. With 1 MHz bandwidth repeaters, something like 15 to 20 MHz separation might be a better scale-up - though antenna directivities are a LOT better on 13 cm for a given physical size.

I then talked about how much bandwidth TV (raw analog or 1 Mbit/s compressed) takes, the idea being to show that TV is a bandwidth hog (either way) which is what is NEEDED to actually fill up the bands. Regarding compression,
Fred says:

> That's not exactly true either. If you're talking about
> "teleconference" video, the "talking heads" application, then you're
> right; for maybe $20-30k, you can compress down to 256 kbps and be only
> a little jerky. (That's hardly an ATV price range.) But "full motion"

I say: Why do hams need more that "talking heads" ;-(Also, today's price won't protect bands tomorrow.

> But "full motion"
> video, equivalent to a 6 Mbps analog channel, takes about 45 Mbps with
> That's when you have real moving pictures, like the broadcasters use,
> and not just faces against a backdrop. Try watching a western through a

I say: ABC news has been using compression to
get two TV pictures into 45 Mbit/s (T3) between NYC and DC for a number of years. Do you complain about their picture quality?

> Clearly the 2300 MHz band is a ripe target for plucking. Few hams
> use it. But that doesn't mean we should be happy with microwave sliver
> bands.

I say: My posting was intended to demonstrate HOW we have at least SOME chance of fully occupying the microwave bands with a plausible number of hams. It's not packet text, not file transfers, not weak-signal CW, not X-windows, it's TV, TV. Everything else will "fit in the cracks".
Am I on amateur TV? Well, no ......

73, Bob W3OTC

From -6989996423929746476
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca33c43f450966c6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 16:26:39 PST

Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ub!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Flaming newbies and public service radios
Message-ID: <98.2716BD44@rochgte.FIDONET.ORG>
Date: 13 Oct 90 01:14:25 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 65
Posted: Sat Oct 13 02:14:25 1990

> From: jmaynard@THESIS1.HSCH.UTEXAS.EDU (Jay Maynard)
>
> I'm sorry the personnel in your area are so poorly trained that they cannot be depended on not to get on the radio unless they really need to. The solution to that problem is training, not prohibition. People get into

Yes, I agree, there is a training problem. There is also a big attitude problem (spelled P-O-L-I-T-I-C-S) about "making" vollies take any kind of training.

> help. I suggest you post your opinions on FireNet (the FidoNet fire/EMS echomail conference) about why the average emergency worker doesn't need communications. Put your bunker gear on first.

I never said they didn't need EMERGENCY communications. I said they don't need modified ham radios for routine operations and daily "radio checks." If they were properly equipped with legal radios for their day-to-day ops, then they would have legal commercial radios during emergencies, too, wouldn't they?

> > Even the ones who have positions reuiring the use of an individual radio have no business utilizing a non-type-accepted ham rig as that radio!
>
> ...except in an emergency. Repeat after me: THE RULES GO OUT THE WINDOW IN AN EMERGENCY. Keep repeating until you understand it.

OK, Jay, if you will keep reading my messages until YOU understand them. I was not referring to emergency communications. These EMS officers/firefighters/whatevers DO NOT NEED AMATEUR RADIOS FOR THEIR DAILY AGENCY OPERATIONS.

> > He specifically stated that he was trying to use a non-amateur repeater. People who want CAP and MARS mods usually say so.
>
> I hate to tell you this, David, but CAP and MARS repeaters aren't ham repeaters either. Why don't you ask, and then THINK, before you flame? Or is that too much to ask?

But ham licensees can be members of either organization BECAUSE they are ham licensees. This is not likely with Public Safety organizations, businesses or other "non-amateur" radio services.

> >   I disagree strongly. And I don't think 2 years in FidoNet and 7
> >years in Public Safety communications plus 9 years as a licensed ham
> >qualifies me as a "newbie."
>
> list. I've only seen you on here a couple of weeks, and haven't yet seen you
> write _anything_ yet that _wasn't_ inflammatory. Yup...you sure qualify as a
> newbie. The least you could do is not flame everything that comes along.

Only inflammatory to people who believe in their inalienable right as a ham operator to transmit on any frequency to which they think they ought to be entitled by perceived loopholes in the rules. It just ain't so.

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From -9167125816548084091
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae15b0238e2af694,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 16:29:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!samsung!
zaphod.mps.ohio-state.edu!wuarchive!decwrl!infopiz!lupine!hansen!phil
From: phil@hansen.Berkeley.EDU (Phil Graham)
Newsgroups: rec.ham-radio
Subject: DX Computer Logging programs???
Keywords: DX Logging computer
Message-ID: <2042@lupine.NCD.COM>
Date: 13 Oct 90 23:29:11 GMT
Sender: news@NCD.COM
Reply-To: phil@hansen.Berkeley.EDU (Phil Graham)
Lines: 21
Posted: Sun Oct 14 00:29:11 1990

I am looking for any and all companies that make computer logging programs.
Specifically I am looking for the following:
- Computer control / Data acquisition from a Kenwood HF Radio
- Awards tracking (WAZ, WAS, DXCC, etc)
- QSL label making / tracking
- Terminal emulator for packet
- Terminal emulator for HF TNC (RTTY, ARQ, etc)
  (At the same time as packet).

If you know of something that does even some of these things please
let me know. I am using a PC/AT compatible computer so programs for this
type of computer is needed.

I have heard of a program called DX LOG, but I do not have the address
or phone number for the company that makes/markets this.

Thanks in advance!

Phil
KJ6NN

From 6020411578772644513
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64164502e12e6517
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 16:45:13 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!batcomputer!munnari.oz.au!metro!ipso!
runxtsa!richardm
From: richardm@runxtsa.runx.oz.au (Richard Murnane)
Newsgroups: rec.ham-radio
Subject: Re: of skydiving and radios
Message-ID: <2426@runxtsa.runx.oz.au>
Date: 13 Oct 90 23:45:13 GMT
References: <kb4dEaq00WB2AMtl4v@andrew.cmu.edu>
Organization: RUNX Unix Timeshare. Sydney, Australia.
Lines: 57
Posted: Sun Oct 14 00:45:13 1990

In article <kb4dEaq00WB2AMtl4v@andrew.cmu.edu> rr2v+@andrew.cmu.edu (Robert Rossi)
writes:
>
>I am totally blind and happen to be an avid skydiver.
>One of the major problems I have encountered over the years has been
>with radio systems. I am currently using a police scanner type set up belonging
to the
>drop-zone where I jump, but would like to invest in my own gear.
>
>The ideal system would be something like this;
>It would have to be somewhat protable, able to be worne inside
>a jumpsuit, mounted on the parachute harness across my stomach, or
>mounted directly to my crash helmet. As far a size goes, remember that some
jumpers jump with
>
>jumpers jump with video cameras mounted to their helmets.
>The radio should be two-way with a voice activated mike
>and a speaker that could be mounted inside the helmet.
>The mike would have to be able to cancel wind-noise up to about
>30mph, this is only to be used once my canopy is opened.
>I do not think a freefall system is possible.

>The range would have to be no less than 2.5 miles.
>And most importantly, it must be very reliable. I have already found myself
>several times, under canopy at 2,500ft with no communication
>with my ground suport.
>
>Please send any suggestions or information to me here.
>
>Thanks
>Dan Rossi

Hi Dan,

I've recently taken up skydiving, and I use a Yaesu FT-703 with a vox
switch to chat to the people on the ground (I'm still trying to find
a fellow ham to have a two-way conversation with).

As you say, operating while in freefall is not on. (I'm there yelling
"look - reach - pull!" to myself, and *I* can't hear it! In any case, the
boom mike gets blown up to my forehead. The first time I did this, I thought
that the mike had been ripped off completely! :-)

Anyway, under canopy, it works fine. The only problem is that the Yaesu vox
switch enable is on the back of the rig, and so it's hard to get at when
you're crouched in the back of a tiny plane. I usually use it clipped to my
belt, with the carry strap wrapped around the belt-loops on my jeans.
At least, I haven't lost a rig yet :-)

One thing to consider: I presume you want your TCO to give you instructions
to reach the target - he would have to be a licensed ham too. As far as
I know (in Australia at least), there are frequency allocations specifically
for parachuting activities. maybe your national parachuting federation
could advise you here.

73 from Richard VK2JRM @ VK2OP.NSW.AUS.OC

```
--
Richard P. Murnane VK2JRM @ VK2OP    "If I didn't spend so much time reading
Internet: richardm@runx.oz.au         books on how to find the right woman,
UUCP:     uunet!runx.oz.au!richardm   I would have found her by now!"
```

From 2402040745838423089
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7ba1b104af081a8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 17:05:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!cs.utexas.edu!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and intermodulation.
Summary: intermod
Message-ID: <388@ssc.UUCP>

Date: 14 Oct 90 00:05:33 GMT
References: <05.Oct.90.12:11:22.BST.#3652@UK.AC.NWL.IA> <40562@cci632.UUCP>
<40636@cci632.UUCP>
Organization: very little
Lines: 26
Posted: Sun Oct 14 01:05:33 1990

In article <40636@cci632.UUCP>, cep@cci632.UUCP (co-op) writes:
> In article <364@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
> >Intermod in your receiver is not caused by spurious emissions. And if you
> >have your TH215 hooked to any antenna other than the little rubber one that
> >came with it, the problem will be worse.
>
> I don't understand ... why? Just because the outside antenna can "hear"
> better?

The receiver in a hand held radio generally has a few corners cut in the design to that they can fit it into that sexy little package. The front end is designed to work with the rubber duck antenna that comes with it. Hooking the radio to a larger outside antenna (or even an AEA Hotrod) in urban areas can often deliver strong off-frequency signals to the front end that effectively "swamp" it.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 8529764727062571832
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55888b98d8a29769
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 17:13:42 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!cs.utexas.edu!uunet!pilchuck!ssc!
tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: deed restrictions
Summary: ARRL lobby
Message-ID: <389@ssc.UUCP>
Date: 14 Oct 90 00:13:42 GMT
References: <9010111337.AA00390@cmr.ncsl.nist.gov> <33201@nigel.ee.udel.edu>
Organization: very little
Lines: 21
Posted: Sun Oct 14 01:13:42 1990

In article <33201@nigel.ee.udel.edu>, masters@freezer.it.udel.edu (paul masters) writes:
>
> Does ARRL have a lobby in congress. I'm about to get licenced, and I
> would like to know if I have an optimistic future in amateur radio. I'm
> still considdering the option of illegal configuration, but I hope it
> doesn't come to that.
>

I understand that the ARRL does not do any lobbying because it would threaten the league's tax exempt status.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 2421086989625444222
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aff2eb7439a1ff75,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 19:39:36 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!lynx.northeastern.edu!sehrlich
From: sehrlich@lynx.northeastern.edu
Newsgroups: rec.ham-radio
Subject: HTs
Message-ID: <memo.485893@lynx.northeastern.edu>
Date: 14 Oct 90 02:39:36 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25
Posted: Sun Oct 14 03:39:36 1990

I have a couple of questions.

1) I've been reading many of the messages posted here about intermodulation on 2m HT due to wide band reception capabilities. I was wondering if it would be possible to just add in a resistor or two somewhere in the circuit board to cut down on the wide-band reception? Would this aid in less intermodulation in the HT?

2) I live in Boston, MA, and have been told that there is not much 70cm activity in these parts, but that 2m is very active. I was wondering if 70cm is active in other parts of the country - namely anywhere not on the East coast (or near the East coast)?

Now that I have passed my Technician exam am waiting for my license to
come from the FCC (and am busy at studying for my General now), although
I am very tight on money, if I were able to squeeze out a few dollars for
a used HT at a flea market or somewhere, wshould I invest in dual band HT,
or just go for the 2m HT?

Thanks for any help.

73s,

Scott
*1*** or ***1*

```
From -3412612973038525570
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 19:50:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!rutgers!rochester!
uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!
David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Message-ID: <104.27187E03@rochgte.FIDONET.ORG>
Date: 14 Oct 90 02:50:38 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 30
Posted: Sun Oct 14 03:50:38 1990
```

```
 > From: tad@ssc.UUCP (Tad Cook)
 >
 > {NENA:  National Emergency Number Association        }
 > {APCO:  Association of Police Communications Officers}
                          ^^^^^^
                          Public-Safety

 > > could get better response through the local TV media.  They eat stories
 > > like that for lunch.
 >
 > Tad sez:
 >
 > How typical for rec.ham-radio!  This ought to win ham radio a bunch of friends.
 > If the obvious network solution is to program in the 7 digit equivalent to
 > eliminate ANI/ALI, why piss people off by insisting on doing it YOUR way?
```

      You're missing the point. Why not force the officials to
provide ham operators (who are usually citizens, voters and taxpayers)
with the same grade of service that all other emergency callers get?

Insist on having them do it the SAME way for EVERYBODY. It's their PR
problem, not ours.

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From -4295268857900925329
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1f794f611069b46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 19:53:49 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!rutgers!rochester!
uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!
David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: Ouch! ARRL takes a deeper bite....
Message-ID: <105.27187E04@rochgte.FIDONET.ORG>
Date: 14 Oct 90 02:53:49 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 26
Posted: Sun Oct 14 03:53:49 1990

 > From: tad@ssc.UUCP (Tad Cook)
 >
 > >   Why should the membership need to "propose" accountability to
 > > the Board?
 > >
 >
 > Oh, isn't this SO typical of the more obnoxious hamcritter on
 > rec.ham-radio.

I would call your average flaming response to everyone pretty obnoxious. Read the article again and this time, THINK about it.

The point is, the ARRL Board of Directors advertises quite freely how "accountable" they are to the members. The official ARRL line is that the League is not run by the people in Newington, but by the members. If that is the case, then the members who are actually running the League should be deciding on major expenditures of OUR dues money.

--
%
David Stark - via FidoNet node 1:260/230

UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From -6790103308818821294
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f5a3e62146ad3752
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 20:00:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!psuvax1!rutgers!
rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!
f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: PSAPs
Message-ID: <106.27187E06@rochgte.FIDONET.ORG>
Date: 14 Oct 90 03:00:53 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 50
Posted: Sun Oct 14 04:00:53 1990

> From: tad@ssc.UUCP (Tad Cook)
>
> > > From: tad@ssc.UUCP (Tad Cook)
> > >
> > > WHAT central dispatcher? Modern 911 systems in large municipalities
> > > use SELECTIVE ROUTING based upon the phone number.
> >
> >   Not all. Some cities do indeed have ONE dispatch center. Lack
> > of a common central dispatch office is politics, not effective system
> > design.
> >
>
> Politics? You mean like political lines between cities are just
> some annoying inneficient POLITICAL problem?

Once again, you are not replying to what I actually said. There is a difference (on paper) between a dispatch center and a PSAP. Some communities, like yours, actually have their PSAPs physically separated from the dispatch centers. Other communities, like mine, have a single PSAP/dispatch center in one location. My local OEC dispatches for all of the communities in Monroe County except a handful who have their own police dispatch but still get their calls through our 9-1-1 PSAP. To the extent that they prevent the citizens from getting efficient, effective 9-1-1 service, YES those political lines are just a politica problem. There is no other valid reason for depriving the community of a good emergency Public Safety emergency communications system.

> In Seattle, we have a number of surrounding suburban towns. Why

> in the world would these separate municipalities route all of their
> 911 calls through one central PSAP, when they can use selective
> routing to put the calls automatically into the jurisdiction that
> serves the caller?

They would if all dispatching originated from one unified center. With Enhanced 9-1-1, it really does not matter where the caller is or where the PSAP is. The ANI/ALI takes care of the caller's location and the dispatch center selects the agency. I should point out that I don't think my local OEC is the best-designed place. The PSAP should really be in separate redundant locations and the dispatch facility should be more secure.

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From 1779912486703388921
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db96dcdd679c4e46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 20:15:12 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!psuvax1!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: Re: Info-Hams Digest V90 #296
Message-ID: <107.27187E07@rochgte.FIDONET.ORG>
Date: 14 Oct 90 03:15:12 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 31
Posted: Sun Oct 14 04:15:12 1990

> From: jle@hpfcdc.HP.COM (Jer/ Eberhard)
>
> > It's amazing how little we seem to know about the services that operate
> > around ours. When I saw the 6.46 Mhz split, the first thing that popped
> > into my mind was CAP. I don't know of any other services that
>
> Because this is not the CAP split... it is (among other things) the
> Radio Common Carier (RCC) split, to wit:
>
> RECEIVE OFFSET TRANSMIT   DESCRIPTION
>
> 152.030 +6.460 158.490   RCC1

> 152.060 +6.460 158.520   RCC3
> 152.090 +6.460 158.550   RCC5
> 152.120 +6.460 158.580   RCC7
> 152.150 +6.460 158.610   RCC9
> 152.180 +6.460 158.640   RCC11
> 152.210 +6.460 158.670   RCC13

Thank you for posting the above info. Now, will some of the
pro-modified-HTs-for-emergency-communications tell me why hams need to
be capable of RCC splits with amateur transceivers?

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From -4056319863623378081
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,46aaec2233e14012
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 20:16:13 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!psuvax1!rutgers!
rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!
f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: can 2sat do repeater split of 6.46 MHz?
Message-ID: <108.27187E09@rochgte.FIDONET.ORG>
Date: 14 Oct 90 03:16:13 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 22
Posted: Sun Oct 14 04:16:13 1990

> From: ajs@hpfcdc.HP.COM (Alan Silverstein)
>
> > Civilians do not belong on the police radio, therefore they do not need
> > access to equipment that will transmit there.
>
> Ah, but this civilian owns equipment *normally used for other purposes*
> that *will* transmit there in an emergency. And this civilian is smart
> enough to recognize an emergency, and even so, to stay out of the way
> unless there is a positive benefit to his transmitting. Is this not a
> Good Thing?

With those qualifications, in my opinion it is indeed a Good
Thing.

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From -544002710324992661
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c29d8abefd012d5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 20:36:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!psuvax1!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V90 #309
Message-ID: <109.27187E0A@rochgte.FIDONET.ORG>
Date: 14 Oct 90 03:36:48 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 80
Posted: Sun Oct 14 04:36:48 1990

> From: jmaynard@THESIS1.HSCH.UTEXAS.EDU (Jay Maynard)
>
> David Stark, the famous flaming newbie, flames again:

If you want to fight, this is not the place. I do dispute some of your statements, but would like to discuss them in a non-threatening, reasonable manner.

> > Yes, I agree, there is a training problem. There is also a big
> > attitude problem (spelled P-O-L-I-T-I-C-S) about "making" vollies take
> > any kind of training.
>
> Just because someone's not paid to do a job doesn't mean they can't do it
> in a professional manner. My 9 years in EMS were entirely

We agree on this. You were so eager to blast me that you missed it.

> > I never said they didn't need EMERGENCY communications. I said
> > they don't need modified ham radios for routine operations and daily
> > "radio checks." If they were properly equipped with legal radios for
> > their day-to-day ops, then they would have legal commercial radios
> > during emergencies, too, wouldn't they?
>
> You must have been reading a different discussion than the rest of us. We
> were talking about use of modified ham rigs in emergencies. It's apparent

> you don't even bother reading before flaming.
> Nobody was defending use of ham rigs during routine ops. Just
> EMERGENCIES.

Sorry, but equipping people who have some legitimate business on Public Safety channels with legal radios completely eliminates the need for modified amateur equipment AT ANY TIME.

> The EMS officers need radios during routine ops, but that's a separate
> issue from using ham rigs during EMERGENCIES. Have you figured
> it out yet?

It's the same issue in my community. Ham radios are cheaper and easily modified. What do you say to the PS "professional" who decides it would be better to talk on the 2 meter freqs on his modified portable, but who does not happen to possess a ham license? That is also the same issue.

My point, and my OPINION, is that nobody NEEDS a modified ham rig to use on non-amateur frequencies. Licensed hams don't need them. It doesn't matter if they belong to the rescue squad; they should be using equipment that was type accepted for Part 90 service.

Agency members who are not licensed hams have no legitimate use for any amateur equipment - period.

> In an emergency they DO have such a right. IN AN EMERGENCY, THE RULES GO
> OUT THE WINDOW. Keep repeating it, since it obviously hasn't
> sunk in yet.

I can't repeat a lie. The rules don't go out the window, because there are rules governing emergency communications. The attitude that the rules can be broken whenever the operator feels it is justified has got to go out the window.

The justification for the amateur radio service as an emergency communications resource for the community was never based on our ability to make our radios transmit on police frequencies. ARES and RACES do not build their disaster plans on hams using non-amateur frequencies during disaster operations. Hams are authorized to provide a unique and valuable emergency service, but only WITHIN THE FREQUENCY BANDS ALLOCATED FOR HAM USE.

Jay, we probably aren't ever going to see eye to eye on this issue. We may not even agree (ref your comments above) that we are even having the same conversation. Let's not clutter up the echo/newsgroup with our argument. I have stated my position and you have stated yours. Let's acknowledge each other's right to our respective opinions and interpretations and leave it at that. 73.

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG

%

From -7578899096757511389
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,82b277e9e0608a5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-14 03:57:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!tut.cis.ohio-state.edu!ucbvax!SC.INTEL.COM!RHAREL%FAB8
From: RHAREL%FAB8@SC.INTEL.COM ("CAL-LAB ", MS:JER2-85 TEL:7589)
Newsgroups: rec.ham-radio
Subject: "Shop" version of MT-1000 ??
Message-ID: <9010141058.AA02548@ucsd.edu>
Date: 14 Oct 90 10:57:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Sun Oct 14 11:57:00 1990

Is it true that a module is available for the Motorola MT-1000 which
will allow Keyboard entry of frequencies without the aid of a RIB or
PC ? I was told this version is called the "Service shop MT-1000" or
something of sorts. I would appreciate any further information from
readers who have the inside word.
Tnx,
Rich

From -8771067445475686681
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,30116e72158cda2f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-14 05:33:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!swrinde!ucsd!ucbvax!TRIUMFER.BITNET!MULTI
From: MULTI@TRIUMFER.BITNET
Newsgroups: rec.ham-radio
Subject: Query mailing address for KW Electronics Ltd.
Message-ID: <90Oct14.083254edt.57503@ugw.utcs.utoronto.ca>
Date: 14 Oct 90 12:33:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Sun Oct 14 13:33:00 1990

Does anybody have the correct address for KW Electronics Ltd? It used to be

KW Electronics Ltd.
1 Heath Street
Dartford
Kent DA1 2LH
England

I have got a letter, postmarked "Gone Away", returned from this address...

From -5907326364060190847
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,7d603a2a6ebbab75
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,7d603a2a6ebbab75
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-14 06:18:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!bionet!apple!sun-barr!rutgers!att!cbnewse!parnass
From: parnass@cbnewse.att.com (Bob Parnass, AJ9S)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: nasa frequencies
Summary: A partial list of NASA HF freqs. Sources cited.
Keywords: nasa space shuttle communications
Message-ID: <1990Oct14.131805.25856@cbnewse.att.com>
Date: 14 Oct 90 13:18:05 GMT
References: <17@kb2ear.UUCP>
Followup-To: rec.radio.shortwave
Organization: AT&T Bell Laboratories, Naperville, IL
Lines: 319
Xref: gmdzi rec.radio.shortwave:2419 rec.ham-radio:15732
Posted: Sun Oct 14 14:18:05 1990

In article <17@kb2ear.UUCP>, n2aam@kb2ear.UUCP (Dave Marthouse N2AAM) writes:

> Does anyone know the frequencies nasa uses
> on hf for communications? Any information would be appreciated.

```
2.4050    call?_____US: NASA, Data buoys
                    [location?] (magazines)

2.6220    call?_____US: NASA, SRB recovery primary
                    [location?] (magazines)

2.6640    call?_____US: NASA, Backup mission audio-Cape to Houston
                    [Cape Canaveral, FL] (magazines)

2.6780    call?_____US: NASA, ETR range control
                    [location?] (magazines)

2.7160    call?_____US: NASA, Navy harbor cntl-Port Canaveral
                    [Cape Canaveral, FL] (magazines)

2.7640    call?_____US: NASA, SRB recovery channel
                    [location?] (magazines)

3.0240    call?_____US: NASA, Coast Guard SAR-Primary
                    [location?] (magazines)
```

```
3.0300    call?_____US: NASA, Wallops Island Flight Center wkg Cape Canavera
                    l testing tracking equip, usb, 02/10/87 @0343Z
                    [Chincoteage, VA] (B. Parnass)

3.1870    call?_____US: NASA, SRB recovery ship channel
                    [location?] (magazines)

4.3760    call?_____US: NASA, Primary recovery zone SAR
                    [location?] (magazines)

4.5100    call?_____US: NASA, SRB recovery ship channel
                    [location?] (magazines)

4.8560    call?_____US: NASA, Cape radio/leader
                    [Cape Canaveral, FL] (magazines)

4.9920    call?_____US: NASA, Cape radio/Coast Guard ships
                    [location?] (magazines)

5.1800    call?_____US: NASA, NASA tracking ships
                    [location?] (magazines)

5.1870    call?_____US: NASA, NASA tracking ships
                    [location?] (magazines)

5.1900    call?_____US: NASA, ETR primary night channel
                    [location?] (magazines)

5.2460    call?_____US: NASA, Cape radio ??
                    [Cape Canaveral, FL] (magazines)

5.3500    call?_____US: NASA, Launch support aircraft
                    [location?] (magazines)

5.6800    call?_____US: NASA, Launch support ships
                    [location?] (magazines)

5.7330    call?_____US: NASA, "Abnormal 10" testing with a/c "Cutty Sark" an
                    d "Mover Van", usb, 04/17/87 @1656Z
                    [Vandenburg AFB, CA] (B. Parnass)

5.8100    call?_____US: NASA, ETR-Secondary night channel
                    [location?] (magazines)

6.5500    call?_____US: NASA, Cape Radio called "Voyager I", no reply heard,
                     ch 3, usb, 12/19/86 @0332Z
                    [Cape Canaveral, FL] (B. Parnass)

6.7200    call?_____US: NASA, SAR primary Atlantic
                    [location?] (magazines)

6.8200    call?_____US: NASA, "Abnormal 10" testing with a/c "Cutty Sark" an
```

		d "Mover Van", usb, 04/17/87 @1656Z [Vandenburg AFB, CA] (B. Parnass)
6.8370	call?_____	US: NASA, Cape radio [Cape Canaveral, FL] (magazines)
6.8960	call?_____	US: NASA, Cape radio [Cape Canaveral, FL] (magazines)
7.4120	call?_____	US: NASA, SAR comms with Bahamas [location?] (magazines)
7.4610	call?_____	US: NASA, Cape radio/launch support A/C [Cape Canaveral, FL] (magazines)
7.5250	call?_____	US: NASA, NASA ground tracking net [location?] (magazines)
7.6750	call?_____	US: NASA, Kennedy operations, active during space shuttle [Cape Kennedy, FL] (magazines)
7.7150	call?_____	US: NASA, Ascension Is. to Cape Caneveral [Ascension Island] (magazines)
7.7650	call?_____	US: NASA, SRB recovery ships [location?] (magazines)
7.9190	call?_____	US: NASA, Data channel [location?] (magazines)
7.9850	call?_____	US: NASA, Data channel [location?] (magazines)
8.8220	call?_____	US: NASA, "051" wkg "304" for "ground radio check" during Voyager flight, usb, 12/18/86 @1720Z [location?] (B. Parnass)
	call?_____	US: NASA, "Abnormal 10" patched "Voyager I" to Mission Control in Mohave, CA, who warned Voyager several times to avoid crossing over borders of Sudan or Uganda. Mission Ctl told Voyager to use milsat at 261.475 MHz for direct comms, ch 4, usb, 12/19/86 @0020Z [Vandenburg AFB, CA] (B. Parnass)
	call?_____	US: NASA, Cape Radio wkg "Voyager I", usb, 12/19/86 @0006Z [Cape Canaveral, FL] (B. Parnass)
	AFE83_____	US: NASA, Ascension ground station calling Voyager I, usb, 12/19/86 @0200Z [Ascension Is] (B. Parnass)

```
 8.9640    call?_____US: NASA, NASA and USAF
                     [location?] (magazines)

 9.0060    AGAR 24___US: NASA, aircraft "AGAR 24" working "Cape" in regards t
                     o missile launches from "Cape". Aircraft was in W. Virgi
                     nia area. Aircraft transmitted on 9.0060 and "Cape" tran
                     smitted on 11.6210, usb, 08/08/85 @1500Z
                     [location?] (others)

 9.0200    call?_____US: NASA, Launch support aircraft
                     [location?] (magazines)

 9.0430    call?_____US: NASA, Launch support aircraft
                     [location?] (magazines)

 9.1300    call?_____US: NASA, Launch support aircraft
                     [location?] (magazines)

 9.1320    call?_____US: NASA, Cape Caneveral to Ascension Is.
                     [Cape Canaveral, FL] (magazines)

10.0450    call?_____US: NASA, "Nav Comm?", wkg Voyager I during its flight a
                     round the world, then wkd "Abnormal 20", usb, 12/18/86 @
                     1436Z
                     [location?] (B. Parnass)

           call?_____US: NASA, Cape Radio testing related to Voyager I flight
                     , ch 5,usb, 12/18/86 @1443Z
                     [Cape Canaveral, FL] (B. Parnass)

           AGD25_____US: NASA, "Abnormal 20" wkg "Nav Comm?" ground station,
                     related to Voyager I flight, usb, 12/18/86 @1448Z
                     [Wheeling AFB, HI] (B. Parnass)

10.3050    call?_____US: NASA, Space missile tactical net
                     [location?] (magazines)

10.3100    call?_____US: NASA, Malabar to Ascension Is.-MUX
                     [location?] (magazines)

10.7800    call?_____US: NASA, ETR-primary day channel
                     [location?] (magazines)

11.1040    call?_____US: NASA, Launch support ships
                     [location?] (magazines)

11.2520    call?_____US: NASA, Launch support ships
                     [location?] (magazines)

11.2610    AGAR 24___US: NASA, aircraft "AGAR 24" working "Cape" in regards t
                     o missile launches from "Cape". Aircraft was in W. Virgi
                     nia area. Aircraft transmitted on 9.0060 and "Cape" tran
                     smitted on 11.6210, usb, 08/08/85 @1500Z
```

```
                    [location?] (others)

11.4070    call?_____US: NASA, adjusting ckts during shuttle mission, usb
                    [Andrews AFB, Washington, DC] (B. Parnass)

11.4140    call?_____US: NASA, Cape Radio
                    [Cape Canaveral, FL] (magazines)

11.5480    call?_____US: NASA, Cape Radio
                    [Cape Canaveral, FL] (magazines)

11.6210    call?_____US: NASA, SRB recovery ships
                    [location?] (magazines)

13.2110    call?_____US: NASA, "Abnormal 10" control station for "ATO net" wk
                    g a/c "Cutty Sark" and "Mover Van" conducting tests, hea
                    rd "DTC" also, usb, 04/17/87 @1656Z
                    [Vandenburg AFB, CA] (B. Parnass)

13.2180    call?_____US: NASA, "Abnormal 10" testing with "Abnormal 20", usb,
                     04/01/87 @1739Z
                    [Vandenburg AFB, CA] (B. Parnass)

           call?_____US: NASA, "Abnormal 20" testing with "Abnormal 10", usb,
                     04/01/87 @1739Z
                    [Wheeling AFB, HI] (B. Parnass)

13.2270    call?_____US: NASA, Launch support aircraft
                    [location?] (magazines)

13.2370    call?_____US: NASA, Data channel
                    [location?] (magazines)

13.3120    call?_____US: NASA, Cape Radio called "Voyager I", no reply heard,
                     ch 6, usb, 12/18/86 @1835Z
                    [Cape Canaveral, FL] (B. Parnass)

           call?_____US: NASA, Diego Garcia ground station wkg NASA "Abnormal
                     20", located at Wheeler AFB Hawaii, during Voyager flig
                    ht, usb, 12/18/86 @1823Z
                    [Diego Garcia] (B. Parnass)

13.4950    call?_____US: NASA, Data channel
                    [location?] (magazines)

13.7420    call?_____US: NASA, Ascension Is. to Cape Caneveral
                    [Ascension Island] (magazines)

13.7870    call?_____US: NASA, Launch support aircraft
                    [location?] (magazines)

13.9000    call?_____US: NASA, "Abnormal 10" control station for "ATO net" wk
                    g a/c "Cutty Sark" and "Mover Van" conducting tests, hea
```

rd "DTC" also, usb, 04/17/87 @1721Z
[Vandenburg AFB, CA] (B. Parnass)

14.4550 call?_____US: NASA, 'Ames' in contact with '706', apparently testing
a closed circuit video link, usb, 10/18/85 @1726Z
[Ames, IA] (B. Parnass)

call?_____US: NASA, Nationwide Tracking Net
[location?] (magazines)

NA4XAR____US: NASA, barge Orion calling NASA barge Poseiden during
landing of Space Shuttle Atlantis on its first military
mission, usb, 10/7/85 @1715Z
[location?] (B. Parnass)

14.9370 call?_____US: NASA, Ascension Is. to Malabar-MUX
[Ascension Island] (magazines)

18.0090 call?_____US: NASA, "go ahead, Dog 1", "x function on, x function
off", "carrier off", talk of setting up a telemetry reader
and computer for tests, lsb, 3/26/85 @1830Z
[location?] (B. Parnass)

call?_____US: NASA, phone patch, "Redstone" talking to "Patrick" AFB,
other patches discussing test results of & translators
in "birds", could be USS Redstone (tracking ship) or
the Marshall Space Flight Center in Huntsville AL, lsb
[location?] (B. Parnass)

19.3030 call?_____US: NASA, Launch support ships
[location?] (magazines)

19.6400 call?_____US: NASA, Cape radio
[Cape Canaveral, FL] (magazines)

19.9610 call?_____US: NASA, Ascension Is. to Cape radio
[Ascension Island] (magazines)

AFE83_____US: NASA, phone patch, lsb, 1955Z
[Ascension Is] (B. Parnass)

19.9660 call?_____US: NASA, Ascension Is to Malabar-MUX
[location?] (magazines)

20.1858 call?_____US: NASA, phone patch involving "Patrick" AFB, during shuttle
Discovery launch, usb, 09/29/88 @1518Z
[location?] (B. Parnass)

20.1860 call?_____US: NASA, space shuttle tracking
[Ascension Is] (magazines)

20.1920 call?_____US: NASA, Malabar to Ascension Is.MUX
[location?] (magazines)

```
  20.1983    call?_____US: NASA, "Seagreen 0/12" adjusting circuits during shut
                       tle mission, lsb
                       [location?] (B. Parnass)

             call?_____US: NASA, continuous rebroadcast of shuttle Discovery la
                       unch, lsb, 09/29/88 @1456Z
                       [location?] (B. Parnass)

             call?_____US: NASA, continuous rebroadcast of shuttle transmission
                       s during mission STS-61A, lsb, 11/05/85 @1848Z
                       [location?] (B. Parnass)

  20.2720    call?_____US: NASA, Ascension Is. to Cape radio
                       [Ascension Island] (magazines)

  20.3900    call?_____US: NASA, ETR-secondary day channel
                       [location?] (magazines)

  22.7440    call?_____US: NASA, Ascension Is to Malabar-MUX
                       [Ascension Island] (magazines)

  23.4130    call?_____US: NASA, Cape radio
                       [Cape Canaveral, FL] (magazines)

--
============================================================================
Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihlpy!parnass (708)979-5414
```

From -2771418671407112462
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7ba1b104af081a8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-14 06:46:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!samsung!emory!
emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and intermodulation.
Message-ID: <1409@ke4zv.UUCP>
Date: 14 Oct 90 13:46:09 GMT
References: <1990Oct11.215802.503@mentor.com> <238@nachos.SSESCO.com>
<1147@larry.sal.wisc.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 12
Posted: Sun Oct 14 14:46:09 1990

In article <1147@larry.sal.wisc.edu> sde@larry.sal.wisc.edu.UUCP (Scott Ellington)
writes:
>
>Forget the Toko helical filter: Its insertion loss is 8 dB. A low loss

>helical filter would be considerably larger.
>
>K9MA

Actually the extra attenuation might be a "good thing". The basic problem is after all front end overload. As you say, a minimum insertion loss cavity would be about 10" in diameter and 3' tall.

Gary KE4ZV

From 4385489427949647143
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db96dcdd679c4e46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-14 11:24:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!fozzie!stanley
From: stanley@fozzie.phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: Re: Info-Hams Digest V90 #296
Message-ID: <ZmN2q1w161w@fozzie.phoenix.com>
Date: 14 Oct 90 18:24:10 GMT
References: <107.27187E07@rochgte.FIDONET.ORG>
Organization: One Man Brand
Lines: 45
Posted: Sun Oct 14 19:24:10 1990

David.Stark@f218.n260.z1.FIDONET.ORG (David Stark) writes:
> >
> > Because this is not the CAP split... it is (among other things) the
> > Radio Common Carier (RCC) split, to wit:
> >
> Thank you for posting the above info. Now, will some of the
> pro-modified-HTs-for-emergency-communications tell me why hams need to
> be capable of RCC splits with amateur transceivers?
>

1. And how do you know it is an RCC split the requestor wanted? You know for sure that that split is used exclusively for RCC, and not by something else as well? There is a whole world of communications, and a whole world of splits. DO you know of a 765 kHz split? I do. So, we still have no proof of what the original requestor wanted the split for.

2. Last time I checked, there was no regulation about not using strange splits for oddball use in the ham bands. Please post chapter and verse if there is.

3. I don't think hams need out-of-band capability. However, being a ham is not exclusive with being an EMT, Firefighter, MARS, or CAP. Neither is being a ham mandatory for any of those. So, it is feasible for those hams who are involved in other activities to use the out-of-band capabiities of the equipment they already own, provided it is certified

properly.

4. There is one real good reason to use modified ham gear when possible. It is cheaper. Who generally pays for modified ham gear? The user. Who pays for the Motorola gear? The taxpayer. Which gear will the user take better care of? Which one does he have a financial stake in? Are the taxpayers better served by buying a lot of commercial HT's and forbidding use of ham gear, or by outfitting another rescue unit and letting the volunteer members of the squad use ham gear?

5. When you get down to it, nobody needs anything. People were able to live quite happily before radio was invented. Same with electricity. Airplanes. Cars. The Wheel. However, they were invented, and people live (maybe) better than before. The point is, ownership of a radio capable of transmitting RCC splits, at RCC frequencies, is NOT illegal. It is not illegal to own a radio capable of transmitting at the local police frequency. It is not even illegal for a non-ham to own ham transmitters.

This is my signature. It doesn't contain my name at all!

From 2621896888894812881
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae15b0238e2af694
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-14 14:47:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!wuarchive!sdd.hp.com!mips!pacbell.com!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!ricks.enet.dec.com!reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: Re: DX Computer Logging programs???
Message-ID: <16299@shlump.nac.dec.com>
Date: 14 Oct 90 21:47:41 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation - Hudson, MA
Lines: 48
Posted: Sun Oct 14 22:47:41 1990

In article <2042@lupine.NCD.COM>,
phil@hansen.Berkeley.EDU (Phil Graham) writes...

```
>I am looking for any and all companies that make computer logging programs.
>Specifically I am looking for the following:
>    - Computer control / Data acquisition from a Kenwood HF Radio
>    - Awards tracking (WAZ, WAS, DXCC, etc)
>    - QSL label making / tracking
>    - Terminal emulator for packet
>    - Terminal emulator for HF TNC (RTTY, ARQ, etc)
>         (At the same time as packet).
```

Phil,

You're looking for a lot in the same package. Here are some I know of:

DXLOG - PAYL Software (see ads in National Contest Journal). It tracks DXCC, WAZ and Oblasts. It has QSL labels. It doesn't do packet, yet, but is planned for a release soon.

EASY-DX - MFJ - this package has a TNC interface for working with the PacketCluster(tm) software, and same features as above.

These are the two I'm most familiar with. I'm using DXLOG. Both can import data from CT (K1EA contest logger). Some other packages I've heard of:

- N6RJ logger (hr Bookstore)
- KD7P logger
- Master Log (dunno who's this is)
- WB2DND
- several others.

I'm not aware of the strengths and weaknesses of all these programs. I couldn't find too much info in the latest NCJ on anything but DXLOG.

Hope this helps.

jim, AD1C

```
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=

"The opinions expressed here in no way represent the views of Digital
 Equipment Corporation."

James J. Reisert                Internet: reisert@ricks.enet.dec.com
Digital Equipment Corp.         UUCP:     ...decwrl!ricks.enet!reisert
77 Reed Road
Hudson, MA  01749-2895
```

```
From -8822207872323329333
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc60d0a31f629acc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,39632d9ff83ca552,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-10-14 15:01:15 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!samsung!
sol.ctr.columbia.edu!cica!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio.packet,rec.ham-radio
Subject: Re: DAB taking ham freqs?
Message-ID: <262.2718BAD8@w8grt.fidonet.org>
Date: 14 Oct 90 22:01:15 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 21
Xref: gmdzi rec.ham-radio.packet:2915 rec.ham-radio:15727
```

Posted: Sun Oct 14 23:01:15 1990

> In article <9010112228.AA02460@cmr.ncsl.nist.gov> rc@CMR.NCSL.NIST.GOV
> (Robert Carpenter) writes:
> >
> >This brings me to the deeper question. WHY DO WE NEED ALL THAT MICROWAVE
> >BANDWIDTH??
> >

Part of it is historical, viz., in the early post-WW2 days precision frequency control and stability in the microwave region were unknown. Big, big bands were allocated in the sometimes forlorn hope that with that big a target, we'd manage to land somewhere inside of it.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From 3386513637759908218
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-14 16:56:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!wuarchive!
sdd.hp.com!samsung!sol.ctr.columbia.edu!cica!iuvax!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Message-ID: <30500777@ux1.cso.uiuc.edu>
Date: 14 Oct 90 23:56:00 GMT
References: <30583@netnews.upenn.edu>
Lines: 51
Nf-ID: #R:netnews.upenn.edu:30583:ux1.cso.uiuc.edu:30500777:000:2338
Nf-From: ux1.cso.uiuc.edu!phil   Oct 14 18:56:00 1990
Posted: Mon Oct 15 00:56:00 1990

> Check back issues of the APCO Bulletin, or symposiums at past NENA conferences.
> This problem has NOT been worked out yet for cellular.
>
> {NENA: National Emergency Number Association   }
> {APCO: Association of Police Communications Officers}

Well, I am not up on these sort of things. I guess I just assumed too much.
We have a centralized dispatching system here, but I guess we smaller

```
communities can do this sort of thing a lot easier than the big cities.

> Tad sez:
>
> The one that you use when you don't want ALI on the call!  This is the
> number that you use to call something into the city when you are in
> the suburbs.  In Seattle a couple of examples are 625-5011 and 583-2111.
> It is switched through the network, rather than trunked.  Because it
> doesn't originate at the CO through a TSPS-like trunk, there is no ANI
> or ALI.

I guess they just get a call and a blank screen or a message that indicates
it is a non-ALI call.  But do they give out these numbers easily?

> Phil sez:
> >
> > It definitely sounds like there is a management problem there.  Maybe you
> > could get better response through the local TV media.  They eat stories
> > like that for lunch.
>
> Tad sez:
>
> How typical for rec.ham-radio!  This ought to win ham radio a bunch of friends.
> If the obvious network solution is to program in the 7 digit equivalent to
> eliminate ANI/ALI, why piss people off by insisting on doing it YOUR way?

It does not need to be a ham radio issue.  There are plenty of examples of
need for certain numbers to be properly identified to a dispatcher.  You
do NOT want an ambulance to run to your repeater site when someone is
bleeding to death on the interstate 20 miles away.

Show me an administrator who would not agree with the fact that certain
phone numbers need to tell the dispatcher about the special circumstances
and I'll show you an administrator that DESERVES to have done to him,
things that would get an ordinary person pissed off, and I'll show you
an administrator that DESERVES to become unemployed.

An emergency dispatching system is NO PLACE for political squabbles.
They should do the job or get someone who will.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From -8353392744525880389
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,441190ff4c9e00fc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-14 17:06:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!sdd.hp.com!samsung!
sol.ctr.columbia.edu!cica!iuvax!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
```

Subject: Re: This whole Code Test Thing
Message-ID: <30500778@ux1.cso.uiuc.edu>
Date: 15 Oct 90 00:06:00 GMT
References: <9010081445.AA13551@ucsd.edu>
Lines: 19
Nf-ID: #R:<9010081445.AA13551@ucsd.edu>:-29:ux1.cso.uiuc.edu:30500778:000:875
Nf-From: ux1.cso.uiuc.edu!phil   Oct 14 19:06:00 1990
Posted: Mon Oct 15 01:06:00 1990

```
> > ] 97.503 Element standards.
> > ]
> > ] (a) A telegraphy examination must be sufficient to prove that the
> > ] examinee has the ability to send correctly by hand and to receive
>                                  ^^^^^^^^^^^^^^^^^^^^^^
> > ] correctly by ear, texts in the international Morse code at not less
> > ] than the prescribed speed, using all the letters of the alphabet,
>
>
> Hmmmmm. . . . makes me wonder.  How come the rule still reads like
> this if there is no longer a sending test?
```

Because there actually still is a sending test. It's just that the VE's have the option to not include it. The FCC will accept a receiving test as proof sending ability, but the VE doesn't have to do it that way.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -7022000110041839083
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e2a0e56f351332,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-14 17:14:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!wuarchive!sdd.hp.com!samsung!
sol.ctr.columbia.edu!cica!iuvax!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: PSAPs
Message-ID: <30500779@ux1.cso.uiuc.edu>
Date: 15 Oct 90 00:14:00 GMT
References: <27131@<75>
Lines: 10
Nf-ID: #R:<75:27131:ux1.cso.uiuc.edu:30500779:000:508
Nf-From: ux1.cso.uiuc.edu!phil   Oct 14 19:14:00 1990
Posted: Mon Oct 15 01:14:00 1990

It is possible to have a central dispatching point, and the suburban communities can choose to participate or not. Their 911 calls can be directly routed to them otherwise. Then I guess you will need to program your 911 code to call the non-ALI number of the central dispatching point if you happen to be sited in one of these unfortunate communities.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -8314929399871781722
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac8994329992a064,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-14 17:21:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!samsung!sol.ctr.columbia.edu!cica!iuvax!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: deed restrictions
Message-ID: <30500780@ux1.cso.uiuc.edu>
Date: 15 Oct 90 00:21:00 GMT
References: <11088@hacgate.UUCP>
Lines: 19
Nf-ID: #R:hacgate.UUCP:11088:ux1.cso.uiuc.edu:30500780:000:917
Nf-From: ux1.cso.uiuc.edu!phil   Oct 14 19:21:00 1990
Posted: Mon Oct 15 01:21:00 1990

> My last house specified that no transmitter may be located more than
> ten feet above the peak of the house, so I put the transmitter in the
> radio room, no problem with deed restrictions!

What a silly restriction. I wonder about the person who wrote that in the first place. Perhaps they tried to rule out transmitting antenna?

But there are some cases where you would need to have a transmitter mast (or tower) mounted. As you go up in the microwave frequencies, this comes to look like a more attractive alternative to more expensive coax. The larger coax also has upper limits on the frequency it can handle (not to mention high costs). Then some frequencies are just not practical on any coax, period.

Try getting on 10 GHz and see what I mean.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 1473136893926843170
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac8994329992a064
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-14 17:29:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!wuarchive!sdd.hp.com!samsung!sol.ctr.columbia.edu!cica!iuvax!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil

From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: deed restrictions
Message-ID: <30500781@ux1.cso.uiuc.edu>
Date: 15 Oct 90 00:29:00 GMT
References: <11088@hacgate.UUCP>
Lines: 16
Nf-ID: #R:hacgate.UUCP:11088:ux1.cso.uiuc.edu:30500781:000:661
Nf-From: ux1.cso.uiuc.edu!phil   Oct 14 19:29:00 1990
Posted: Mon Oct 15 01:29:00 1990

> >1. Outdoor antennas.
> This sounds like something put in by cable companys!

More than likely by the investor who built a bunch of houses in one area.
The reason is that many people consider antennas to be "unsightly" and
others fear it means RFI and TVI.

> >2. Radio transmitters of any kind. [you better watch that one]
> This is an interesting item, does this mean that I can not have
> a cordless telephone or my children can not have 49MHZ walkie-talkies?

Depending on how it is written, YES.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 4312834285636378149
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac8994329992a064
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-14 17:38:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!wuarchive!sdd.hp.com!samsung!sol.ctr.columbia.edu!cica!iuvax!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: deed restrictions
Message-ID: <30500782@ux1.cso.uiuc.edu>
Date: 15 Oct 90 00:38:00 GMT
References: <11088@hacgate.UUCP>
Lines: 36
Nf-ID: #R:hacgate.UUCP:11088:ux1.cso.uiuc.edu:30500782:000:1383
Nf-From: ux1.cso.uiuc.edu!phil   Oct 14 19:38:00 1990
Posted: Mon Oct 15 01:38:00 1990

> In the Bay Area it is impossible to by a new house that does not have
> deed restrictions. You can buy an older house that +may+ not have
> restrictions, but even that is not always true.

This is the kind of information we need. If it is the case that there
simply do not exist any choices where one can find a house without such
restrictions, then it might be possible to get another PRB or other
Federal pre-emption on such restrictions.

It might be possible to get it ruled that such restrictions apply only
to those NOT HOLDING A FEDERAL LICENSE for radio transmission, thus
leaving the application of such restrictions GENERALLY in place and
not causing the major uproar a total overturn of them might cause.
We are not fighting the cable industry on this particular issue, for instance.

> So I agree that we need to get the deed restrictions removed. For fun I
> often go into new developments and ask if they have deed restrictions...
> If they say yes, I say "I am not interested"...

Sounds like something we should all do.

> Now here is my story, maybe it will help someone out there....
[...]
> So CCR's (deed restrictions) can be beat, if you have to...
> Read the find print
> and if you can avoid it... Don't buy a house that has them!

Or at least have your lawyer read them and decide what you can and cannot
do with them.

> DE KJ6NN
> Phil

DE KA9WGN
Phil

From 1105967679251869223
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7ba1b104af081a8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-14 17:57:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!caen!sdd.hp.com!usc!apple!agate!shelby!neon!kaufman
From: kaufman@Neon.Stanford.EDU (Marc T. Kaufman)
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and intermodulation.
Message-ID: <1990Oct15.005719.10840@Neon.Stanford.EDU>
Date: 15 Oct 90 00:57:19 GMT
References: <1147@larry.sal.wisc.edu> <1409@ke4zv.UUCP> <5022@qip.UUCP>
Organization: Computer Science Department, Stanford University
Lines: 14
Posted: Mon Oct 15 01:57:19 1990

In article <5022@qip.UUCP> john@qip.UUCP (John Moore) writes:
>In article <1409@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:

.]Actually the extra attenuation might be a "good thing". The basic problem
.]is after all front end overload. As you say, a minimum insertion loss
.]cavity would be about 10" in diameter and 3' tall.

>So stick a resistor in the receive front end to reduce the sensitivity!
>It's a heck of a lot smaller.

OR... just replace the outdoor antenna with a rubber duck.
[there, I think that completes the circle!]

Marc Kaufman (kaufman@Neon.stanford.edu)

From 4985317048548271685
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c51607fc93a97fac,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-14 18:09:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!wuarchive!sdd.hp.com!samsung!sol.ctr.columbia.edu!cica!iuvax!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Flaming newbies and public service
Message-ID: <30500783@ux1.cso.uiuc.edu>
Date: 15 Oct 90 01:09:00 GMT
References: <2716@<98>
Lines: 54
Nf-ID: #R:<98:2716:ux1.cso.uiuc.edu:30500783:000:2821
Nf-From: ux1.cso.uiuc.edu!phil   Oct 14 20:09:00 1990
Posted: Mon Oct 15 02:09:00 1990

> > From: jmaynard@THESIS1.HSCH.UTEXAS.EDU (Jay Maynard)
> >
> > I'm sorry the personnel in your area are so poorly trained that they cannot
> > be depended on not to get on the radio unless they really need to. The solution
> > to that problem is training, not prohibition. People get into
>
>   Yes, I agree, there is a training problem. There is also a big
> attitude problem (spelled P-O-L-I-T-I-C-S) about "making" vollies take
> any kind of training.

Sounds like maybe the WRONG politicians are in control there.

Some volunteers definitely don't want to get involved with a lot of training
and indeed prefer to do just certain things. A *PROPERLY* structured volunteer
system will establish a set of things that you can rely on the volunteers to be
able to do based on their training/certication. Don't "make" them take any
training, just provide it and don't "depend" on them unless it is for an area
they are trained in.

I have chosen, for lack of time to get involved, to bypass all training not directly related to storm/tornado spotting for the volunteer efforts I do with the county ESDA. But storm spotting is basically what I do, so I don't need other training. If/when there are other things I want to do, or if I have the time, I might get into some other training programs.

> > help. I suggest you post your opinions on FireNet (the FidoNet fire/EMS
> > echomail conference) about why the average emergency worker doesn't need
> > communications. Put your bunker gear on first.
>
> I never said they didn't need EMERGENCY communications. I said
> they don't need modified ham radios for routine operations and daily
> "radio checks." If they were properly equipped with legal radios for
> their day-to-day ops, then they would have legal commercial radios
> during emergencies, too, wouldn't they?

I think what should be done here is that the properly type-accepted radios be made available. They are generally not much more expensive than ham rigs. I see some limited capability radios available for with NEW prices LOWER than ham rigs in one of the trade rags.

> Only inflammatory to people who believe in their inalienable
> right as a ham operator to transmit on any frequency to which they
> think they ought to be entitled by perceived loopholes in the rules.
> It just ain't so.

What loopholes? I haven't found any. I believe the FCC rule that allows hams to transmit "by any means" when an **EMEREGENCY**!! exists, is what was actually intended, so it is not a loophole. Those who transmit when no such emergency really exists are in violation of the rules, so again, it is not a loophole.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From 5145107348024837166
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3005f73d44b8b4a5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-14 18:18:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!sdd.hp.com!samsung!
sol.ctr.columbia.edu!cica!iuvax!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: DAB taking ham freqs?
Message-ID: <30500785@ux1.cso.uiuc.edu>
Date: 15 Oct 90 01:18:00 GMT
References: <271711@<100>
Lines: 26
Nf-ID: #R:<100:271711:ux1.cso.uiuc.edu:30500785:000:1219
Nf-From: ux1.cso.uiuc.edu!phil    Oct 14 20:18:00 1990
Posted: Mon Oct 15 02:18:00 1990
```

> > From: goldstein@delni.enet.dec.com (Fred R. Goldstein)
> >
> > Also, a 10 MHz band is too small for repeaters. If we had two 10 MHz
> > segments about 80 MHz apart, it would be a lot easier to separate the
> > input from the output, in the 13 cm. range.
>
>   Maybe we can convince the FCC to redefine "crossbanding" or at
> least reduce the restrictions on its use.

There are no rules that apply to any form of "crossbanding". There are
rules that apply to specific frequencies in many cases, but none that
affect things done "crossband" that could be done (or not be done if
that is the case) "inband".

A crossband repeater is just as legal as an inband repeater, and has to
follow the same restrictions as well.

What Fred was referring to, I believe, is the fact that radios themselves
tend to (initially for marketed ones) be ONE BAND radios. The 12cm and
13cm bands are close enough to be ONE BAND for the purpose of designing a
radio. In fact they once were one band, and in the rules both stretches
of spectrum are referred to as 13cm.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 7084119341878167677
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f387812138f968a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-14 18:20:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!wuarchive!sdd.hp.com!samsung!
sol.ctr.columbia.edu!cica!iuvax!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: CBS REPORT
Message-ID: <30500787@ux1.cso.uiuc.edu>
Date: 15 Oct 90 01:20:00 GMT
References: <9010131959.AA25077@ucsd.edu>
Lines: 17
Nf-ID: #R:<9010131959.AA25077@ucsd.edu>:-29:ux1.cso.uiuc.edu:30500787:000:867
Nf-From: ux1.cso.uiuc.edu!phil   Oct 14 20:20:00 1990
Posted: Mon Oct 15 02:20:00 1990

> Did anyone see the CBS report on the usage and missuse of low power RF
> devices. This segment was aired October 12 in the late night spot.
> I was much disturbed by the view put forth by CBS that people who
> use scanners are doing something unethical and that the radio spectrum
> should be opened up to commercial interests. The person CBS invited to
> give the opposition position (i.e. that it is ok to listen to short

> wave radio and other frequencies) was not given much opportunity to talk.
> I will be writing CBS to express my views and I hope that many others
> will write them

Send a copy to Walter Cronkite as well.

Now who has a TAPE of this show, so I can see it so I can also write about it.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 9213601687085855436
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c29d8abefd012d5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-14 18:42:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!lll-winken!sol.ctr.columbia.edu!cica!iuvax!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V90 #309
Message-ID: <30500788@ux1.cso.uiuc.edu>
Date: 15 Oct 90 01:42:00 GMT
References: <9010132147.AA00283@ucsd.edu>
Lines: 71
Nf-ID: #R:<9010132147.AA00283@ucsd.edu>:-29:ux1.cso.uiuc.edu:30500788:000:3695
Nf-From: ux1.cso.uiuc.edu!phil   Oct 14 20:42:00 1990
Posted: Mon Oct 15 02:42:00 1990

>   My point, and my OPINION, is that nobody NEEDS a modified ham
> rig to use on non-amateur frequencies. Licensed hams don't need them.
> It doesn't matter if they belong to the rescue squad; they should be
> using equipment that was type accepted for Part 90 service.

I modified my Icom IC-32AT so that it can transmit out of band. Did I
need it? YES! But the reason is because of the design of the radio.
You can choose to either have out of band, or not to. But "out of band"
also includes some LEGITIMATE Amateur frequencies, such as 420-440 MHz.

There are also OTHER legitimate uses for a transmitter that is out of
band. One of them is to drive a linear tranverter for broadband usage
of the wider GHz band.

> > In an emergency they DO have such a right. IN AN EMERGENCY, THE RULES GO
> > OUT THE WINDOW. Keep repeating it, since it obviously hasn't
> > sunk in yet.
>
>   I can't repeat a lie. The rules don't go out the window,
> because there are rules governing emergency communications. The
> attitude that the rules can be broken whenever the operator feels it
> is justified has got to go out the window.

I know what Jay meant, though he didn't say it well enough for everyone to understand it.

The real question is when is it justified to violate the OTHER rules as the emergency rules allow for? David suggests that the operator should not do this. Do you mean that they cannot judge when the emergency exists, or are you saying there are some operators who would apply the label of "emergency" in non-emergency situations.

> The justification for the amateur radio service as an emergency communications resource for the community was never based on our ability to make our radios transmit on police frequencies. ARES and RACES do not build their disaster plans on hams using non-amateur frequencies during disaster operations. Hams are authorized to provide a unique and valuable emergency service, but only WITHIN THE FREQUENCY BANDS ALLOCATED FOR HAM USE.

There are levels of "emergency" involved here. Passing health and welfare traffic in and out of an disaster area would count as a low level of emergency and is well within what the B&P rules are about. These are the things we do *AS* hams.

If I encounter an accident where there is a serious injury, and there is going to be a significant increase in response time if I use other than my radio on an public service frequency, then I am going to do it, but *NOT* because I am a ham; I'd do it if I was not a ham. The radio happens to be there because I am a ham. I would also cite amateur rules after the fact when responding to agencies about the matter.

I agree that the "emergency communications" that authorizes the existance of ham radio does not include calling on police/fire/medical frequencies for help. But that does not make it improper to do, or to be prepared to do it correctly and properly.

> Jay, we probably aren't ever going to see eye to eye on this issue. We may not even agree (ref your comments above) that we are even having the same conversation. Let's not clutter up the echo/newsgroup with our argument. I have stated my position and you have stated yours. Let's acknowledge each other's right to our respective opinions and interpretations and leave it at that. 73.

I've read both positions, and it still seems to me that you are not exactly arguing the same points. This is usually when discussion and debate turn into arguments and flame.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -8617621262059925333
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7ba1b104af081a8

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-14 18:44:04 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpl-opus!hpcc05!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and intermodulation.
Message-ID: <27080019@col.hp.com>
Date: 15 Oct 90 01:44:04 GMT
References: <05.Oct.90.12:11:22.BST.#3652@UK.AC.NWL.IA>
Organization: HP Colorado Springs Division
Lines: 15
Posted: Mon Oct 15 02:44:04 1990

>/ col:rec.ham-radio / sde@larry.sal.wisc.edu (Scott Ellington) /  3:52 pm  Oct
12, 1990 /
>
>Forget the Toko helical filter:  Its insertion loss is 8 dB.  A low loss
>helical filter would be considerably larger.
>
>K9MA
>----------

  That's one way to fix intermod problems - get the insertion loss
  up high enough! Course if you can stand 8 dB of loss, you can
  just use a resistive attenuator :-)

  In the limit, just leave the antenna connector disconnected.

  Bob KB0CY


From 4781147981066183328
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8f0357d0071f3e55,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-14 18:48:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!wuarchive!sdd.hp.com!caen!
sol.ctr.columbia.edu!cica!iuvax!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: HTs
Message-ID: <30500789@ux1.cso.uiuc.edu>
Date: 15 Oct 90 01:48:00 GMT
References: <485893@<memo>
Lines: 26
Nf-ID: #R:<memo:485893:ux1.cso.uiuc.edu:30500789:000:1408
Nf-From: ux1.cso.uiuc.edu!phil    Oct 14 20:48:00 1990
Posted: Mon Oct 15 02:48:00 1990


> 2) I live in Boston, MA, and have been told that there is not much 70cm
> activity in these parts, but that 2m is very active.  I was wondering if
> 70cm is active in other parts of the country - namely anywhere not on the
```

> East coast (or near the East coast)?

I find that astonishing that there would be no 70cm activity in the Boston area. While I would expect 2m activity to exceed it, you just cannot put all that would be in Boston on 2m. More likely the person who made that comment either has a pre-conceived notion that 2m's level of activity is the minimum that can be called "active", or else just does not know what he is talking about.

> Now that I have passed my Technician exam am waiting for my license to
> come from the FCC (and am busy at studying for my General now), although
> I am very tight on money, if I were able to squeeze out a few dollars for
> a used HT at a flea market or somewhere, wshould I invest in dual band HT,
> or just go for the 2m HT?

In Boston I would definitely go for the dual-bander. But it depends on what you are interested in doing with it. The 2m band will definitely be more active, but the dual-bander gives you more options, including cross-band full duplex for most of the newer models.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 2246213270128769320
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ddfcc31bb000daad,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-14 18:50:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!wuarchive!sdd.hp.com!caen!
sol.ctr.columbia.edu!cica!iuvax!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Antennas
Message-ID: <30500791@ux1.cso.uiuc.edu>
Date: 15 Oct 90 01:50:00 GMT
References: <486904@<memo>
Lines: 11
Nf-ID: #R:<memo:486904:ux1.cso.uiuc.edu:30500791:000:564
Nf-From: ux1.cso.uiuc.edu!phil   Oct 14 20:50:00 1990
Posted: Mon Oct 15 02:50:00 1990

> While I am waiting for my Technician license from the FCC and US Snail,
> I was wondering if there is any type of HF antenna for indoor use to
> overcome the problems of living in an apartment? I have full access to
> the equipment at my University's club, but was still wondering if there
> was any type of decent indoor antenna for HF use?

You could get a general class ticket and a 1.5 KW linear. :-)

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -2547311782516887641
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f369430893705280,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-14 18:54:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!wuarchive!sdd.hp.com!caen!
sol.ctr.columbia.edu!cica!iuvax!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Calling the cops by radio
Message-ID: <30500792@ux1.cso.uiuc.edu>
Date: 15 Oct 90 01:54:00 GMT
Lines: 53
Nf-ID: #N:ux1.cso.uiuc.edu:30500792:000:2548
Nf-From: ux1.cso.uiuc.edu!phil   Oct 14 20:54:00 1990
Posted: Mon Oct 15 02:54:00 1990

[This is posted for Jeff due to a problem with his newsreader not doing
the posting right]

Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was
References: <80505@<1990Oct8> <30500764@ux1.cso.uiuc.edu> <4096@kitty.UUCP>
Reply-To: tucker@eedsp.gatech.edu (Jeff Tucker)
Organization: Georgia Institute of Technology

In article <4096@kitty.UUCP> larry@kitty.UUCP (Larry Lippman) writes:
>In article <30500764@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
>> * 97.403 Safety of life and protection of property.
>> * No provision of these rules prevents the use by an amateur station of
>> * any means of radiocommunication at its disposal to provide essential
>> * communication needs in the connection with the immediate safety of human
>> * life and immediate protection of property when normal communication
>> * systems are not available.
>>
>
>   I interpret the above rule in a different manner.
>
>   I believe that this and other amateur radio rules and regulations
>must be interpreted in the *context* of their application to the amateur
>radio service. As I see it, the above section relaxes the rules pertaining
>to amateur radio operation in the event of an emergency, but *only* as they
>apply to operation within frequencies allocated to the amateur radio
>service. As an example, in the event of an emergency a novice or technician
>class licensee could operate using amateur radio frequencies and/or employing
>power and emission modes which they are not normally entitled to operate.
>
> ... arguments, reasonings deleted for brevity
>
> Do you really believe it is the

>*intent* of the FCC that the holder of a novice class amateur radio license
>be granted some magic privilege to use any part of the radio spectrum
>they so desire in the event of an "emergency"?
>
>Larry Lippman @ Recognition Research Corp.

Well, actually, YES. Something that has not yet been brought up is
97.111(a)(2) which states,

"(a) An amateur station may transmit the following types of two-way
 communications:...
 (2) Transmissions necessary to exchange messages with a station in another
     FCC-regulated service while providing emergency communications."

This is quite clear. The only thing that could be argued is the word
"necessary", but if NO OTHER FORMS ARE AVAILABLE, I say that this communication
is necessary. The FCC has already clearly defined emergency and I won't
restate it. I think that about sums up the legality of the comms. The
usefulness or appropriatness of these comms are a separate issue.

From -3004735129379145384
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db96dcdd679c4e46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-14 19:45:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!wuarchive!decwrl!petunia!news
From: mdella@polyslo.CalPoly.EDU (Marcos R. Della)
Newsgroups: rec.ham-radio
Subject: Re: Re: Info-Hams Digest V90 #296
Message-ID: <271922c2.58d1@petunia.CalPoly.EDU>
Date: 15 Oct 90 02:45:22 GMT
References: <107.27187E07@rochgte.FIDONET.ORG> <ZmN2q1w161w@fozzie.phoenix.com>
Organization: Cal Poly State Univ,CSC Dept,San Luis Obispo,CA 93407
Lines: 15
Posted: Mon Oct 15 03:45:22 1990

Warning! Danger! Can of worms ahead!

What if the guy wants to do repeater offsets to operate on RCC frequencies
in an emergency, to telephone (via radio) the police?

-Kirk J. Smith

```
--
..!csustan ->!polyslo!mdella    | mdella@polyslo | Whatever I said doesn't
..!sdsu ---/   Marcos R. Della  | (805) 543-6755 | mean diddly as I forgot
..!csun --/    713 Grand Ave #4                 / it even before finishing
..!dmsd -/     San Luis Obispo, CA 93401       / typing it all out!!! :-)
```

From -7840381627453950134
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92a2ccbcd910a44c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,92a2ccbcd910a44c,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-14 21:47:23 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!mit-eddie!wuarchive!sdd.hp.com!uakari.primate.wisc.edu!samsung!munnari.oz.au!goanna!minyos!chudich!rcosj
From: rcosj@chudich.co.rmit.oz (John Simmons)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: IC-R1 compared to IC-R100
Message-ID: <6027@minyos.xx.rmit.oz>
Date: 15 Oct 90 04:47:23 GMT
Sender: news@minyos.xx.rmit.oz
Followup-To: rec.ham-radio
Lines: 23
Xref: gmdzi rec.ham-radio:15761 rec.radio.shortwave:2426
Posted: Mon Oct 15 05:47:23 1990

My brother has an IC-R100. It is a fantastic radio.

I am considering purchasing an IC-R1, hence I would love to
see more comments on its performance.

I would particularly like to see a comparison made between
the R1 and the R100.

I believe that the R1 isn't quite as good as the R100 spec-wise
but it is hand-held. Just how much difference is there?
Does it fail due to spurious reception, etc.

```
John Simmons (VK3KJG) Ph. 660 2619   Royal Melbourne Institute of Tech.
                      Fax 662 1060      (Victoria University of Technology)
                       PO Box 2476V
ACSnet: rcosj@chudich.co.rmit.oz        Melbourne  3001  Australia
CSNET:   rcosj@chudich.co.rmit.oz.aus
ARPA:    rcosj%chudich.co.rmit.oz.au@uunet.uu.net
BITNET:  rcosj%chudich.co.rmit.oz.au@CSNET-RELAY
UUCP:    ...!uunet!munnari!chudich.co.rmit.oz.au!rcosj
```

From 8503215210260927665
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3e29fc992ac1084,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-15 00:23:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!

hplabs!hpl-opus!hpcc05!hpcuhb!hpda!hpcuha!aspen!laubach
From: laubach@aspen.IAG.HP.COM (Mark Laubach)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TH-77
Message-ID: <3080009@aspen.IAG.HP.COM>
Date: 15 Oct 90 07:23:27 GMT
References: <1990Oct5.041503.4308@smcnet.smc.edu>
Organization: HP Information Architecture Group - Cupertino, CA
Lines: 13
Posted: Mon Oct 15 08:23:27 1990

I talked to the Kenwood rep at PACIFICON this past weekend. This
is quoted from him (i.e., don't blame me):

The TH-77 will appear in the U.S. in about 4-5 months after FCC type
accepting is completed. Price is unknown at present due to the
current fluctuation of the Yen to the $. It will be packaged in a
case something similar to the TH-26. It will use the same batteries
as the TH-75/25/26 etc. It will support direct keyboard freq. entry,
MR clear (a must for some). It is rumored to have dual 440 receive
and it may do cross band repeat.

Mark, N3BMN

From 537758886696300713
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,962e08cd6f381,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,962e08cd6f381,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-15 00:52:02 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!snorkelwacker!usc!wuarchive!sdd.hp.com!samsung!noose.ecn.purdue.edu!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: CBS news irresponsible
Message-ID: <265.27190D02@w8grt.fidonet.org>
Date: 15 Oct 90 07:52:02 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 58
Xref: gmdzi rec.radio.shortwave:2427 rec.ham-radio:15763
Posted: Mon Oct 15 08:52:02 1990

> From: kjh@aludra.usc.edu (Kenneth J. Hendrickson)
> Date: 13 Oct 90 08:35:10 GMT
> Organization: EE-Systems, USC, Los Angeles
> Message-ID: <12493@chaph.usc.edu>
> Newsgroups: rec.ham-radio,rec.radio.shortwave
>

> I saw a programme on CBS news about an hour ago. They had a "scanner"
> enthusiest, and a sociology professor from MIT. They were discussing
> how anybody could listen in to baby monitors, cordless telephones, and
> (gasp) cellular telephones.
>
> CBS news is to be most severly critized for setting up this sham of an
> interview. It was terribly _partial_ of them to have an articulate,
> intelligent, well-read, educated spokesman for one side, and almost the
> antithesis for the other. Journalists like to glory in their opinion
> that they are bringing unbiased information to the masses. These CBS
> journalists are without honour if such honour requires honesty and
> fairness. In addition, I consider these so-called journalists most
> un-American and un-patriotic; our country was born with the basic
> assumption that the power of government to interfere with her citizens'
> lives should be limited, and not the other way around.

Your response is that of a well educated young engineer. That by itself does not make it wrong, but there are certain questions of perspective you might consider.

First, although you are representive of the average participant in these newsgroups, your good ol' boy from Texas in all likelihood is not terribly far removed from the statistical mean of scanner listeners in general, who are mostly pretty ordinary blokes. In that sense, the interview was probably not as biased as you would like to believe.

Second, I think your description of the origins of the United States leaves out an essential point. The assumption is true that the founding fathers were striving for limitations on the power of the state to interfere with the citizens' lives; but this striving was, in those times, as much a question of privacy as "unalienable rights". Indeed, given the changes in society since 1776, the average citizen's "expectation of privacy" then was considerably higher than now; and he would have been quite comfortable with the MIT sociologist's views.

Finally, the anthropological concepts regarding territoriality come into play here. Listening to the police, the hams, or even the government is one thing, but invading peoples' "personal space" by eavesdropping on their home cordless telephones or their baby monitors is quite another. Their "expectation of privacy" is likely to become a non-negotiable demand, and since there are several hundred million more of them than there are of us, guess who is going to lose - REAL QUICK!!!

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From 6550410534484060638
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f6225f33561a619a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 08:25:01 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!uwm.edu!bionet!agate!ucbvax!LONEX.RADC.AF.MIL!szarekw
From: szarekw@LONEX.RADC.AF.MIL (William J. Szarek)
Newsgroups: rec.ham-radio
Subject: privacy, was CBS . . .
Message-ID: <9010161525.AA17899@lonex4.radc.af.mil>
Date: 16 Oct 90 15:25:01 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19
Posted: Tue Oct 16 16:25:01 1990

Anybody who would put a transmitter in their house (baby monitors), cordless phones, or use cellular, should realize that they are "transmitting".

IMHO if "their" transmissions are in "my" air then they are "mine".

Anytime I wish converse, privately, with someone I do it over the phone, not over the radio (of any type). Even the police [;-)] are smart enough to do this.

If sombody were to walk outside naked it would be silly of them to protest the glances of a passerby as an invasion of their privacy. The same goes for anybody who uses transmitters indescriminately. I have no sympathy for them.

Buzz
KE2WD

Sh-- flows down hill and you can't clean it up wearin' a tie.
-L. Popyak

From 4676512231423349730
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc60d0a31f629acc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 08:58:26 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: DAB taking ham freqs?
Message-ID: <1250248@hpnmdla.HP.COM>
Date: 16 Oct 90 15:58:26 GMT
References: <100.271711A1@rochgte.FIDONET.ORG>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 29

Posted: Tue Oct 16 16:58:26 1990

n4hy writes:
>
>
>
> HOPE (and pray if you are so inclined) that the US government and other
> governments around the world continue to demand the use of that spectrum.
> It is the ONLY thing at this time protecting our occupancy and use of it.
> One should always look before one leaps.
>
> Bob
>

Isn't it interesting that is basically what saved the hobby in the 1910's?
The government and military, particularly the Navy, had enough clout to
keep us from losing it to commercial interests. As it was, the hobby
was *intended* to be torpedoed by relegating it to "useless" frequencies.
That time the hams didn't totally buy the argument. I'm beginning to wonder
if this time we haven't.
  The first time propagation saved us. This time directed beams *could* but
the commercial interests already know the spectrum's value and we amateurs
don't appear to.

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From -2530466810433109802
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ec4f35df07cdeaf6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,ec4f35df07cdeaf6,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,ec4f35df07cdeaf6,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: fddbf,ec4f35df07cdeaf6,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-10-16 08:59:56 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Microwave - RF Conference
Message-ID: <276.271B2EDC@w8grt.fidonet.org>
Date: 16 Oct 90 15:59:56 GMT
Organization: QRV de W8GRT, Sylvania, OH

Lines: 31
Xref: gmdzi rec.radio.shortwave:2462 rec.ham-radio.swap:704 rec.ham-radio.packet:2937 rec.ham-radio:15888
Posted: Tue Oct 16 16:59:56 1990

I thought it might be of general interest to many of you if I made the announcement of a new Conference - The Microwave and RF Forum. Accessable directly from RES-Q (tm) (201) 881-7421.

(Also available as Group Mail from 9:100/9 & 9:833/7 as MW_RF)

MW_RF is made available by Compact Software, Inc. soley for the purpose of furthering knowledge within the Microwave and RF community, [and my assurance

of no commercialism].

CSI designs CAD/CAE software for all phases of design and development, so there
are many engineers here who would enjoy the opportunity to participate in roundtables and such...

If you are interested in bringing a forum such as this to it's feet, ask your

local SysOp to obtain the Microwave and RF Forum.

Bill Kreps, SysOp of RES-Q (tm)

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From 490940502679953281
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db96dcdd679c4e46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 09:02:27 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!uwm.edu!bionet!agate!shelby!neon!kaufman
From: kaufman@Neon.Stanford.EDU (Marc T. Kaufman)
Newsgroups: rec.ham-radio
Subject: Re: Re: Info-Hams Digest V90 #296
Message-ID: <1990Oct16.160227.21200@Neon.Stanford.EDU>
Date: 16 Oct 90 16:02:27 GMT
References: <114.271AB192@rochgte.FIDONET.ORG>
Organization: Computer Science Department, Stanford University
Lines: 46

Posted: Tue Oct 16 17:02:27 1990

In article <114.271AB192@rochgte.FIDONET.ORG>
David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG (David Stark, NF2G) writes:

[start of biennial flame]- MTK

> Aye, there's the rub, those last 5 words. The out-of-band
>transmissions, no matter how well-intentioned, are still illegal.

This may be true (or it may not, depending on whether you think an FCC regulation has the same force as a LAW passed by congress).
HOWEVER -- if you are not an employee of the FCC or a Federal law enforcement officer would you please either answer the question (how to modify for out-of band) or be quiet. If I want instruction on correct moral behaviour I can watch any number of TV preachers.

> It is not unreasonable to interpret ownership as intent to use.
>If you can't use it, why go to all the trouble/expense of owning it in
>the first place?

My car is capable of speeds well in excess of 55 mph (in fact, in excess of 120 mph). I suppose by your argument I should sell it (WHAT? to someone who might break the law with it?) and buy a Yugo.

> I don't really care what the next ham does with his equipment,

Yes, you do. Or you wouldn't have gone on so long with your postings.

>or who supports the manufacturers with their purchasing dollars. I do
>care that some jerk is going to modify his HT "because there are no
>rules saying I can't" and abuse the privilege to the detriment of the
>rest of us hams. "Ham operators" are accused by the press of causing
>all sorts of havoc, from interfering with airplanes (when an illegal
>CBer was the culprit) to wrecking TV reception to illegally
>eavesdropping on cellular phone calls (everyone with a radio must be a
>ham). Why invite such bad press by actually possessing equipment
>capable of illegal operation?

Is that ever a non-sequitur. First you complain that hams suffer bad press because of what NON-hams do, then you suggest that the remedy for this is for HAMS to not modify their equipment. Show us that this is a real fear by citing cases where Hams have invited bad press by possessing equipment capable of out-of-band operation -- with the singular exception of CB kilowatts.

[end of biennial flame]

Marc Kaufman (kaufman@Neon.stanford.edu)

From -4558326476483290684
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,a7ba1b104af081a8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 09:13:24 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!bionet!synoptics!swbatl!ken
From: ken@swbatl.sbc.com (Ken Gianino 5-9081)
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and intermodulation.
Message-ID: <1990Oct16.161324.21894@swbatl.sbc.com>
Date: 16 Oct 90 16:13:24 GMT
References: <05.Oct.90.12:11:22.BST.#3652@UK.AC.NWL.IA> <27080019@col.hp.com>
Organization: Southwestern Bell Advanced Technology Laboratory
Lines: 7
Posted: Tue Oct 16 17:13:24 1990

I kind of like all the intermod on my Alinco DR-110T. I can program in
my favorite ham repeater and still keep up with public service happenings
and private phone calls -all without ever hitting the scan button. I
almost never miss an important call, especially on 2m! Is there any
mod I can do to open up the receiver to UHF and maybe aircraft?
-Ken (only kidding-except about important calls on 2m) WB0QNA

From -5676057586725343997
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 09:17:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!samsung!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Summary: oops
Message-ID: <399@ssc.UUCP>
Date: 16 Oct 90 16:17:58 GMT
References: <104.27187E03@rochgte.FIDONET.ORG> <397@ssc.UUCP>
Organization: very little
Lines: 25
Posted: Tue Oct 16 17:17:58 1990

In article <397@ssc.UUCP>, tad@ssc.UUCP (Tad Cook) writes:
> In article <104.27187E03@rochgte.FIDONET.ORG>,
David.Stark@f218.n260.z1.FIDONET.ORG (David Stark) writes:
> >

(stuff deleted about how Stark thinks a 9-1-1 system SHOULD work)
>
>
> This guy actually sent me mail, saying he USED to think Seattle
> was an OK place before he read rec.ham-radio and found out what
> a LOUSY 9-1-1 system it has!

>

OOPS! Sorry....it was phil who sent me the message....I think.
I'm starting to confuse Phil and David.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 6218832504950841858
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ccb9f86a35141650,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 09:58:50 PST
Path: gmdzi!unido!mcsun!uunet!ingr!b11!herbster
From: herbster@b11.ingr.com (Joe Herbster)
Newsgroups: rec.ham-radio
Subject: TM-231 mods
Keywords: Request
Message-ID: <9078@b11.ingr.com>
Date: 16 Oct 90 16:58:50 GMT
Organization: Intergraph Corp. Huntsville, AL
Lines: 6
Posted: Tue Oct 16 17:58:50 1990

Apologies to bandwidth, but i now have THREE non-netland friends looking for mods to the Kenwood TM-231 2meter rig. Any info appreciated.

KM4JN

From 327672296237865858
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,962e08cd6f381
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,962e08cd6f381
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-16 10:16:37 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: CBS news irresponsible
Message-ID: <5058@qip.UUCP>

Date: 16 Oct 90 17:16:37 GMT
References: <12493@chaph.usc.edu> <7500034@hpfcso.HP.COM>
Followup-To: rec.ham-radio
Organization: Anasazi, Inc. Phoenix, Az
Lines: 22
Xref: gmdzi rec.ham-radio:15858 rec.radio.shortwave:2451
Posted: Tue Oct 16 18:16:37 1990

In article <7500034@hpfcso.HP.COM> ron@hpfcso.HP.COM (Ron Miller) writes:
]Re: News programs & scanner enthusiasts
]When scanners are outlawed, the news divisions of major networks will
]become outlaws! (unless they buy exemptions.....)

One very large local municipality (that shall remain nameless :-) is
moving a lot of traffic to trunked circuits that scanners cannot
handle very well. They are then supplying the media (NOT the public!)
with trunking radios programmed to monitor just those trunk groups
that the city thinks the media should listen to.

Trunking and low cost DES scrambling is going to really hurt those
of us who like to monitor police and fire.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From 4115942552806111660
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc60d0a31f629acc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 10:59:42 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!ucsd!
dog.ee.lbl.gov!pasteur!ucbvax!cmr.ncsl.nist.gov!rc
From: rc@cmr.ncsl.nist.gov (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: DAB taking ham freqs?
Message-ID: <9010161759.AA15084@cmr.ncsl.nist.gov>
Date: 16 Oct 90 17:59:42 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
     formerly National Bureau of Standards
Lines: 21
Posted: Tue Oct 16 18:59:42 1990

I have received a number of irate responses presuming that I MUST have taken
a position when I asked whether we really need all the ham microwave bandwidth.
I viewed it as a way of drawing out positive responses, and making people

think over what should be promoted, and EVEN to shame people into getting on these bands.

One of the flaws I'e noted in ham microwave activity is that there is way below a critical mass of users. Some people spend so much time "getting on" the various bands that they never actually operate. This makes me think that we either need lots more people interested in microwaves, or fewer bands :-(. What activity can attract enough people to get a critical mass? It is surely a chicken-and-egg problem, but even we on these nets (who seem to talk a lot more than actually DO anything) can focus on something that will:

work
be useful
get someone to market kits or gear
be reasonably economical
....

Or can we?
73, Bob W3OTC

From -563032040073509369
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,651597972ddc938f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 11:20:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!hpsadle!mikef
From: mikef@hpsadle.HP.COM (Mike Ferrara)
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and Intermodulation....
Message-ID: <1530055@hpsadle.HP.COM>
Date: 16 Oct 90 18:20:33 GMT
References: <15.Oct.90.11:30:57.BST.#4999@UK.AC.NWL.IA>
Organization: HP Signal Analysis Division - Rohnert Park, CA
Lines: 12
Posted: Tue Oct 16 19:20:33 1990

Hmmm ... my Santec has a varactor tuned preselector on the front-end.
I've never experienced intermod problems (even on some crowded hilltops).

Mike Ferrara M/S 2LRR
HP Signal Analysis Div R&D
1212 Valley House Drive
Rohnert Park, CA 94928
(707) 794-4479
mikef%hpsadle@hp-sde.sde.hp.com
mikef@hpsadle.hp.com

From -1518086966075903539
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,ddfcc31bb000daad
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 11:55:44 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpfcso!vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: Antennas
Message-ID: <7500035@hpfcso.HP.COM>
Date: 16 Oct 90 18:55:44 GMT
References: <memo.486904@lynx.northeastern.edu>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 55
Posted: Tue Oct 16 19:55:44 1990

/ hpfcso:rec.ham-radio / sehrlich@lynx.northeastern.edu / 2:27 pm Oct 14, 1990 /
While I am waiting for my Technician license from the FCC and US Snail, I was wondering if there is any type of HF antenna for indoor use to overcome the problems of living in an apartment? I have full access to the equipment at my University's club, but was still wondering if there was any type of decent indoor antenna for HF use?

Thanks.

Scott

(sehrlich@lynx.northeastern.edu)

Congratulations on your new license!

No. There is no "decent" indoor antenna for HF use. Any indoor antenna breaks the cardinal rules of antenna building - keep it as high as possible and in the clear. But don't dispair, there are many usable antennas for your situation.

First, look around and see what you have access to. Any large (and long) metal object may be used. A wire from a tuner to a window sill, bed frame or (if possible) the outside downspout will make an antenna. Try anything metal you can find. If there's nothing metal, try using a single wire from the tuner. Make it as long as possible and as high as possible.

Real antennas will (sorta) work in an apartment. A dipole on 10 meters is only 16 feet long and should fit in any room. Don't worry about bending the ends to make it fit. My favorite antenna is a full wave loop. It's a 1/4 wave on each side and fed through a 1/4 wave matching section of 75 ohm coax. Since most rooms are square - a square antenna may fit nicely around the ceiling. Just pick the frequency that matches the room. 16 feet on a side for 20mtrs, 11 feet for 15 mtrs and 8 feet for 10 mtrs. (These numbers are estimates - see a ARRL handbook for the equations.) Since I run QRP (low power) I can use 22 gauge bus wire available from Radio Shack. It's cheap and nearly invisible. If you're running high power you'll probably want to use insulated wire to keep from giving the cat RF burns.

Lastly, don't forget the ground. If you're lucky you may have solid copper cold water pipe which can be used. NEVER use gas pipe! I wouldn't admit in public to using the ground screw on a 3 wire outlet but I might mention in private Email that it's better than nothing.

I'm often amazed with what can be done with low power and marginal antennas. I've answered stations calling CQ knowing "he can't possibly hear me since my antenna sucks and I've only got 5 watts" and then end up with a nice QSO.

Good Luck. Let us what you decide to put up and how it works.

Bill - WA7NWP

p.s. I'm finally in a house with room outside for antennas. Every weekend my landlord is gone - I put up a new antenna.

From -6979800246321323201
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,94a600c70825469e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 11:56:20 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!zaphod.mps.ohio-state.edu!uwm.edu!bionet!agate!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Radar detectors
Message-ID: <9010161856.AA15741@tilde>
Date: 16 Oct 90 18:56:20 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Tue Oct 16 19:56:20 1990

Radar detector owners may be happy to note that the efforts of an auto insurance company to deny coverage to owners of car radar detectors was defeated in California. The Radio Association Defending Airwave Rights Inc. (RADAR) was joined by the California State Department of Insurance and the Independent Insurance Brokers Association in defeating GEICO, the insurance company who wanted to deny coverage. The case was before the California Insurance Commission. There was no indication if GEICO planned to appeal the decision.
73,   Dube Todd   N5PDK

From 4009720124413992779
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db96dcdd679c4e46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 12:04:06 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!rpi!uupsi!fozzie!stanley

From: stanley@fozzie.phoenix.com (John Stanley)
Newsgroups: rec.ham-radio
Subject: Re: Re: Info-Hams Digest V90 #296
Message-ID: <JTe6q3w161w@fozzie.phoenix.com>
Date: 16 Oct 90 19:04:06 GMT
References: <114.271AB192@rochgte.FIDONET.ORG>
Organization: One Man Brand
Lines: 93
Posted: Tue Oct 16 20:04:06 1990

David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG (David Stark, NF2G) writes:

>
> > From: stanley@fozzie.phoenix.com (John Stanley)
> >
> >   3. I don't think hams need out-of-band capability. However, being a
> > ham is not exclusive with being an EMT, Firefighter, MARS, or CAP.
> > Neither is being a ham mandatory for any of those. So, it is feasible for
> > those hams who are involved in other activities to use the out-of-band
> > capabiiities of the equipment they already own, provided it is certified
> > properly.
>
>   Aye, there's the rub, those last 5 words. The out-of-band
> transmissions, no matter how well-intentioned, are still illegal.
>

Provided it is certified properly. There is more to certification than type acceptace. Transmitting out-of-ham-band with ham gear is not illegal, just because it is out-of-band with ham gear. I have 4 pieces of gear I use, almost exclusively, out-of-band, and all 4 are legal.

> > (maybe) better than before. The point is, ownership of a radio capable of
> > transmitting RCC splits, at RCC frequencies, is NOT illegal. It is not
> > illegal to own a radio capable of transmitting at the local police
> > frequency. It is not even illegal for a non-ham to own ham transmitters.
>
>   It is not unreasonable to interpret ownership as intent to use.
> If you can't use it, why go to all the trouble/expense of owning it in
> the first place?

Unfortunately, the out-of-band mods don't limit what out-of-band may be used. The HF rig I have has the out-of-band mod (a switch) which allows 100kHz to 30MHz xmit, even though I need only one frequency. In this case, it is quite unreasonable to interpret my ownership of this radio which may transmit on 5696 kHz as intent to transmit on 5696. I went to the trouble/expense of ownership for legal use, the rest just fell out because it was cheaper for Yaesu to allow all than some.

Would you also paint the person who just passed his exam and buys his first rig at the same hamfest as doing something illegal? He has no license yet, but has ownership of something he can't use. Yet. This must be intent to use, so he is illegal.

>   I don't really care what the next ham does with his equipment,

^^^^^^^^^^^^^^^^^

Ok.

> or who supports the manufacturers with their purchasing dollars. I do
^^
> care that some jerk is going to modify his HT "because there are no
^^^^
> rules saying I can't" and abuse the privilege to the detriment of the
> rest of us hams.

Ok, too. But this contradicts the previous quote. Modifying an HT is an easy way into illegal activity, but it wouldn't take too long to build, from scratch, a radio that would screw up the local police. The circuitry in my HR-12 is pretty trivial. Forbidding HT mods just because the HT might be used for wrong purposes is like closing the front door but leaving the windows open in winter and expecting to keep warm.

>"Ham operators" are accused by the press of causing
> all sorts of havoc, from interfering with airplanes (when an illegal
> CBer was the culprit) to wrecking TV reception to illegally
> eavesdropping on cellular phone calls (everyone with a radio must be a
> ham). Why invite such bad press by actually possessing equipment
> capable of illegal operation?
>

In case you haven't noticed, the press will report what it wants, despite what reality is. This is no reason for us to throw away anything we own, just because it might be used for illegal purposes. If we fell into that faulty logic trap, we would need to throw away all radios that transmit (they are all capable of malicious interference -- illegal), many TV's (do you have one that receives cellular freq's?), computers (heaven forbid, I might break into a network with one), printers (to print forged documents), automobiles (I might drive to the liquor store to hold it up), and books (usable as a weapon in an assault.) Alligator clips (errr, roach clips), screwdrivers, empty bottles, the list of items that would assist illegal activities is endless.

None of the equipment I own has caused bad press, nor invited it. I am not sure how they would even know I had it, unless they read this newsgroup. Since it is not used for illegal activity, there is no bad press possible. And what do you think the press would report if the original poster uses his equipment while on a fire call and saves 2 lives? "Fireman uses illegal equipment" or "Fireman saves 2"? I know what slant I would use if I were a reporter and discovered non-certified equipment in use: "City too cheap to properly outfit firemen." How likely would I be to find that last one out? Not very. The use of personally owned equipment just isn't that big a deal.

This is my signature. It doesn't contain my name at all!

From 6003226964395249581

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1d375937fe194a99
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 12:04:16 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!agate!shelby!
portia.stanford.edu!jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: Loss of 2400 MHz (85 lines)
Message-ID: <1990Oct16.190416.25489@portia.Stanford.EDU>
Date: 16 Oct 90 19:04:16 GMT
References: <9010130432.AA07521@cmr.ncsl.nist.gov>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 17
Posted: Tue Oct 16 20:04:16 1990

Some of the comments relating to spectrum usage bring to mind the work I was involved with before I started working on my (current) thesis topic. Check out my paper in the 7th ARRL Networking Conference.

In particular, there is a strong need for a "spectrum efficiency" quotient which could be applied to a particular service requesting spectrum. The need for this sort of quantification is pretty well demonstrated by tradeoff between multiaccess ("packet radio") and monoaccess networks; compared to link type monoaccess networks, packet radio is very inefficient spectrally at microwave frequencies.

It's also worth noting that you can build really cheap (<$1000) DS0 ground stations for a geosync satellite, when using L and C band links.

```
-=Paul Flaherty, N9FZX      | Life is an inherent shift -  reduce conflict.
->paulf@shasta.Stanford.EDU |
```

From -4680827196290232340
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,651597972ddc938f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 12:30:40 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpcc05!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: Need RF mag subscription info
Message-ID: <27080020@col.hp.com>
Date: 16 Oct 90 19:30:40 GMT
References: <1990Oct15.133141.4279@uokmax.ecn.uoknor.edu>
Organization: HP Colorado Springs Division
Lines: 2
Posted: Tue Oct 16 20:30:40 1990

Try RF Design Magazine, 6530 S. Yosemite St., Englewood, CO 80111.

Phone: (303) 220-0600.

From -2080069833782094529
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a0fb3004d4eadf5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 12:31:02 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!uwm.edu!bionet!agate!ucbvax!lynx.northeastern.edu!sehrlich
From: sehrlich@lynx.northeastern.edu
Newsgroups: rec.ham-radio
Subject: Walter
Message-ID: <memo.490196@lynx.northeastern.edu>
Date: 16 Oct 90 19:31:02 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1
Posted: Tue Oct 16 20:31:02 1990

Anyone know what license class Walter Cronkite holds?

From -2016964993357660987
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e557303c47b25d94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 12:45:55 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!uwm.edu!bionet!synoptics!jkaidor
From: jkaidor@synoptics.COM (Jerome Kaidor)
Newsgroups: rec.ham-radio
Subject: Re: This whole Code Test thing
Message-ID: <22019@mvis1.com>
Date: 16 Oct 90 19:45:55 GMT
References: <9010161408.AA01114@ucsd.edu>
Organization: SynOptics Communications Inc. Mountain View, Ca.
Lines: 11
Posted: Tue Oct 16 20:45:55 1990

In article <9010161408.AA01114@ucsd.edu> MEHARP01%ULKYVM@pucc.PRINCETON.EDU (Michael Harpe) writes:
>Here's the exact quote from FCC rules regarding exam grading. This is
>Part 97.29 (C) entitled "Examination Grading."
>
>"An applicant passes a code element if he/she proves his/her ability to
>transmit correctly by hand key........
 ^^^^^^^^
    Have they started giving transmit tests again? I thought they
were only giving receive tests for the past N years....

  - Jerry Kaidor, KF6VB

From 855894325854749590
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95b262eb2ffaf9e2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 12:56:27 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!pyramid!andrem
From: andrem@pyrman2.pyramid.com (Andre Molyneux)
Newsgroups: rec.ham-radio
Subject: Alinco mods
Keywords: Alinco DR110T DR112T
Message-ID: <130536@pyramid.pyramid.com>
Date: 16 Oct 90 19:56:27 GMT
Sender: news@pyramid.pyramid.com
Lines: 18
Posted: Tue Oct 16 20:56:27 1990

This is just to confirm that the modification that was posted to the Alinco DR110T also works on the DR112T (same radio, but with an LCD display as opposed to the DR110T's LED display). Pop the cover, cut one wire, reset the radio, and PRESTO! Instant expanded coverage.

I verified that the radio will receive the National Weather Service. However, I haven't tried listening to the 300 MHz or 800 MHz segments the radio now covers. I have no idea how well (or how poorly) the receiver performs at those frequencies.

```
+----------------------------------------------------+--------------------------+
| Andre Molyneux KA7WVV  andrem@pyrman2.pyramid.com |*** GENERIC DISCLAIMER ***|
+----------------------------------------------------+--------------------------+
|      -=--------- PYRAMID TECHNOLOGY CORPORATION    |All the usual disclaimers |
|    ---==------- 1295 Charleston Road              |apply although, as far as |
|  ----=====---- Mountain View, California 94043   |I can tell, my employer   |
|------========-- (415) 965-7200                    |doesn't care what I think!|
+----------------------------------------------------+--------------------------+
```

From -2580382979238747928
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6fff4d472afde87d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 13:15:33 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!ron
From: ron@hpfcso.HP.COM (Ron Miller)
Newsgroups: rec.ham-radio
Subject: OFF-ROAD Mag. letters & h.r.
Message-ID: <7500036@hpfcso.HP.COM>
Date: 16 Oct 90 20:15:33 GMT
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 20
Posted: Tue Oct 16 21:15:33 1990

Strike a blow for Ham Radio.... write letters.

In the September issue of OFF-ROAD magazine, they published pictures of a tricked-out truck that included a CB amplifier.

I wrote the magazine a letter which they published in its entirety in the November issue which explains some things about CB amps, hams, and reliable emergency communications.

Also, interestingly, my father, also Ron Miller, got a letter published in the same issue. His letter was about gas mileage.

The word processor is a mighty instrument!

Ron Miller
NW0U

From -6798677927654740955
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bbc731178d683c09,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 13:38:25 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!lavaca.uh.edu!jetson.uh.edu!rcte2q
From: rcte2q@jetson.uh.edu
Newsgroups: rec.ham-radio
Subject: BAUDOT teletypes need warm new home...
Message-ID: <7231.271b2973@jetson.uh.edu>
Date: 16 Oct 90 20:38:25 GMT
Organization: University of Houston
Lines: 16
Posted: Tue Oct 16 21:38:25 1990

I have two BAUDOT teletypes that I need to get rid of. As opposed to sending them to the scrap yard, I would like to see them go to someone who wants them.

I haven't messed with them for 8 years, but I think one is a Model 13 orr 15, and the other is a model 19, (w/paper tape punch). I also have a paper tape reader that goes with the Model 19, and a stack of manuals from American Teletype Corp.

Comments, tips on disposal, etc. will be greatly appreciated. My dad wants the ccorner of the garage back, and he is giving me until christmas to get rid of these things myself...

Larrry Liska, Student, University of Houston

From 1775160060558351859
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,651597972ddc938f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 15:02:21 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!dali.cs.montana.edu!milton!uw-beaver!zephyr.ens.tek.com!videovax!johnr
From: johnr@videovax.tv.tek.com (John Reynolds)
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and Intermodulation....
Message-ID: <6088@videovax.tv.tek.com>
Date: 16 Oct 90 22:02:21 GMT
References: <15.Oct.90.11:30:57.BST.#4999@UK.AC.NWL.IA> <12738@crdgw1.crd.ge.com>
Organization: Tektronix TV Measurement Systems, Beaverton OR
Lines: 13
Posted: Tue Oct 16 23:02:21 1990

I had a problem with my TH-25AT overloading anytime I connected it to an external antenna. The S-meter would read full scale *all the time*. I was able to subjectively improve its sensitivity by putting a 10db pad between the HT and the antenna. This apparently reduced the level at the first mixer enough to eliminate most of the intermod. Kinda seems counter-intuitive that adding attenuation would make it easier to copy weak signals, but science is that way sometimes...

Of course this also attenuates the transmitter by 10db, but I can still hit the repeater ok, so what the heck.

John Reynolds, NZ7J

From 2821894661345155981
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15248f620bd4ded1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 16:28:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!samsung!uunet!decwrl!bacchus.pa.dec.com!daemon
From: reisert@ricks.dec.com (Jim -- HLO2-3/D13 -- DTN 225-4440 16-Oct-1990 1859)
Newsgroups: rec.ham-radio
Subject: Mozambique now on the air
Message-ID: <9010162328.AA07934@decpa.pa.dec.com>
Date: 16 Oct 90 23:28:21 GMT
Sender: daemon@wrl.dec.com (System programs)
Organization: Digital Equipment Corporation
Lines: 11
Posted: Wed Oct 17 00:28:21 1990

To: rec.ham-radio.usenet

Lloyd and Iris Colvin started up today from Mozambique. They'll be on
until at least after the CQ WW SSB contest. Here are the times/freqs
they were spotted today:

```
28017.9  C9QL        16-Oct-1990 2003Z  listing up lloyd             <KA1ERL>
28018.0  C9QL        16-Oct-1990 1942Z  list up                       <KC1PY>
28488.0  C9QL        16-Oct-1990 1716Z  working down freq.           <WA1TNY>
```

QSL via YASME.

73, jim AD1C (reisert@ricks.enet.dec.com)

From 9181814187054397202
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5b8660cd02ef1cab,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 16:46:10 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Dipoles
Message-ID: <4263@altos86.Altos.COM>
Date: 16 Oct 90 23:46:10 GMT
Reply-To: jerry@altos86.Altos.COM (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA.
Lines: 12
Posted: Wed Oct 17 00:46:10 1990

Anyone know the effect wire insulation has on the length of a resonant
dipole? I've always used the formula 468/freq to calculate the length
of bare-wire dipoles. What does the numerator change to if the wire
is insulated?

```
--
Jerry Gardner, NJ6A                        Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos!jerry   2641 Orchard Parkway
Internet: jerry@altos.com                  San Jose, CA  95134
Guns don't kill people, bullets do.                      (408) 432-6200
```

From 3619499293169989934
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,931267f39c6f16e6
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,931267f39c6f16e6
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,931267f39c6f16e6
X-Google-Attributes: gidfddbf,public

X-Google-Thread: f76e2,931267f39c6f16e6
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-10-16 19:55:02 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!mintaka!olivea!samsung!munnari.oz.au!comp.vuw.ac.nz!massey.ac.nz!GMoretti
From: GMoretti@massey.ac.nz (Giovanni Moretti)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Re: Microwave and RF Forum - NEW
Message-ID: <1080@massey.ac.nz>
Date: 17 Oct 90 02:55:02 GMT
References: <264.2718CDDB@w8grt.fidonet.org>
Organization: Massey University, Palmerston North, New Zealand
Lines: 14
Xref: gmdzi rec.radio.shortwave:2463 rec.ham-radio.swap:705 rec.ham-radio.packet:2938 rec.ham-radio:15894
Posted: Wed Oct 17 03:55:02 1990
X-Reader: NETNEWS/PC Version 2.2

> Re Microwave and RF Forum

This sounds interesting but from New Zealand dialling up is a mite expensive. Is there internet access to this forum?

Thanks
Giovanni ZL2BOI

```
--
------------------------------------------------------------------------------
Giovanni Moretti, Consultant       | G.Moretti@massey.ac.nz, Pkt-ZL2BOI@ZL2BFJ
Computer Centre,  Massey University| Ph 64 63 69099 x8398, FAX 64 63 505607
Palmerston North, New Zealand      | QUITTERS NEVER WIN, WINNERS NEVER QUIT
------------------------------------------------------------------------------
```

From -2891993557005305126
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 19:59:00 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Message-ID: <30500794@ux1.cso.uiuc.edu>
Date: 17 Oct 90 02:59:00 GMT
References: <30583@netnews.upenn.edu>
Lines: 73
Nf-ID: #R:netnews.upenn.edu:30583:ux1.cso.uiuc.edu:30500794:000:3207
Nf-From: ux1.cso.uiuc.edu!phil   Oct 16 21:59:00 1990
Posted: Wed Oct 17 03:59:00 1990

> What grade of service does everyone else get that allows 9-1-1 callers
> to DICTATE to the PSAP what goes into the ALI database?

First of all, we are NOT dictating what goes into the ALI database.

> Problem: When dialing 9-1-1 from the repeater autopatch, the repeater
> location shows up on the screen at the 9-1-1 center, which could
> POSSIBLY (not likely) confuse the operator.

Agreed. This can be a potential problem. The information is, though, generally useless, so there is not point in putting it up. However the computers are capable of associating other general data with any phone number. The phone company provides the information it has, but the 911 system administration can add whatever they want (that they have disk space for).

> The solution is to eliminate the ALI (Automatic Location Identification).

Better yet, for these phone numbers, REPLACE the normal ALI information with special instructions. Those instructions could read:

> This call originates from an amateur radio repeater.
>
> Use simple radio protocol; this is not cellular.
>
> ALI data would not be applicable for mobile stations.

> So our repeater group programs the repeater controller so that it dials
> a 7 digit number that comes in on the same 9-1-1 lines, but with no
> ALI.

That's better than giving the dispatcher potentially misleading data.

> The solution works, and everyone is happy.

Are they REALLY happy. Do the 911 system administration people really know you are doing this? These are the people who did not respond, right?

> Now Mr. Stark Raving Ham is PISSED OFF, because....well, no one's
> really sure WHY he's upset...he just usually is.
>
> This guy actually sent me mail, saying he USED to think Seattle
> was an OK place before he read rec.ham-radio and found out what
> a LOUSY 9-1-1 system it has!

NO!! *I* was the one that sent you that mail.

And I did NOT say it had a lousy 911 system, I said it was mismanaged. You responded by e-mail saying I was upset because they did not do it MY WAY. But this is not correct. I believe that system is mismanaged because your inquiry concerning the ALI database was NOT RESPONDED TO.

Had they responded, and declined to change the database, then at least they were in a position to know what was going on and decide what best fits into their system. What they did instead was choose to keep themselves ignorant and encourage you to do what you felt best to improve the situation. I do NOT disagree with what you did. But I believe the central administration problems go beyond simply making decision that happen to be different than you or I would have made.

> I'm sure glad he's not in our repeater group. I can just see him
> calling the media when things don't go his way.

It's not a case of it not being "my way". I don't call the media for that reason. I call the media when something is definitely wrong and the normal channels of clearing it up fail to do so after a reasonable degree of effort. We call it "whistle blowing".

I'm glad you don't run the media.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -1318301286306765399
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db96dcdd679c4e46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 20:13:36 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!psuvax1!rutgers!
rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!
f218.n260.z1.FIDONET.ORG!David.Stark,.NF2G
From: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG (David Stark, NF2G)
Newsgroups: rec.ham-radio
Subject: Re: Re: Info-Hams Digest V90 #296
Message-ID: <116.271C5780@rochgte.FIDONET.ORG>
Date: 17 Oct 90 03:13:36 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 27
Posted: Wed Oct 17 04:13:36 1990

> From: mdella@polyslo.CalPoly.EDU (Marcos R. Della)
>
> Warning! Danger! Can of worms ahead!

You're not just whistling Dixie! ;-)

> What if the guy wants to do repeater offsets to operate on RCC
> frequencies in an emergency, to telephone (via radio) the police?

Good question. If you're gonna do that, wouldn't it be easier just to set up the radio on a simplex Public Safety frequency and call the dispatcher direct? Ma Bell may actually take an even dimmer view

of unauthorized transmitters on her channels because you would be
costing her some revenue.

Any RCC/IMTS experts on here? Does the telco equipment allow "unregistered" mobiles with no phone number assigned to place calls through the mobile phone equipment? Maybe the idea of using RCC channels in an emergency is technically unfeasible.

--
%
David Stark, NF2G - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark,.NF2G
INTERNET: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG
%

From 8031442188975355216
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c51607fc93a97fac
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 20:21:24 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!emory!gatech!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark,.NF2G
From: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG (David Stark, NF2G)
Newsgroups: rec.ham-radio
Subject: Re: Flaming newbies and public service
Message-ID: <117.271C5782@rochgte.FIDONET.ORG>
Date: 17 Oct 90 03:21:24 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 44
Posted: Wed Oct 17 04:21:24 1990

> From: phil@ux1.cso.uiuc.edu
>
> Sounds like maybe the WRONG politicians are in control there.
>
> Some volunteers definitely don't want to get involved with a lot of training
> and indeed prefer to do just certain things. A *PROPERLY* structured volunteer
> system will establish a set of things that you can rely on the volunteers to be
> able to do based on their training/certication. Don't "make"

I don't know how widespread the problem really is, but in the communities surrounding me there is a serious shortage of volunteers. This creates a "seller's market" for volunteer services and the people who volunteer can (and some do) say "you can't make me do that or I won't volunteer any more." We're talking about fire and EMS personnel here, so mandated minimum standards are appropriate.

> I think what should be done here is that the properly type-accepted radios
> be made available. They are generally not much more expensive than ham rigs.

> I see some limited capability radios available for with NEW prices LOWER
> than ham rigs in one of the trade rags.

All they have to do is look around. The solution is not really as difficult or expensive as some of these people have been led to believe.

> What loopholes? I haven't found any. I believe the FCC rule that allows
> hams to transmit "by any means" when an **EMEREGENCY**!! exists, is what
> was actually intended, so it is not a loophole. Those who transmit when
> no such emergency really exists are in violation of the rules, so again,
> it is not a loophole.

In the strictest sense, no it is not a loophole. I also will not deny the existence of rules that cover the situation. But I know hams who do not have the judgment or self-discipline NOT to transmit where they don't belong. They should not have the capability.

--
*%
David Stark, NF2G - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark,.NF2G
INTERNET: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG
*%

From -1897979714985319685
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc60d0a31f629acc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 20:23:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!emory!gatech!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark,.NF2G
From: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG (David Stark, NF2G)
Newsgroups: rec.ham-radio
Subject: Re: DAB taking ham freqs?
Message-ID: <118.271C5784@rochgte.FIDONET.ORG>
Date: 17 Oct 90 03:23:54 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 24
Posted: Wed Oct 17 04:23:54 1990

> From: phil@ux1.cso.uiuc.edu
>
> > Maybe we can convince the FCC to redefine "crossbanding" or at
> > least reduce the restrictions on its use.
>
> What Fred was referring to, I believe, is the fact that radios themselves
> tend to (initially for marketed ones) be ONE BAND radios. The 12cm and

```
 > 13cm bands are close enough to be ONE BAND for the purpose of designing a
 > radio.  In fact they once were one band, and in the rules both stretches
 > of spectrum are referred to as 13cm.

      I see.  I guess what I was thinking of is more along the lines
of "auxiliary" operation, which (I think) must be done on a different
band from the main transmission.  There are restrictions in the rules
as to who may engage in auxiliary operation.


--
*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*
David Stark, NF2G - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark,.NF2G
INTERNET: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG
*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*
```

```
From 869943613308460204
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc60d0a31f629acc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 20:31:00 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!zaphod.mps.ohio-
state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: DAB taking ham freqs?
Message-ID: <30500795@ux1.cso.uiuc.edu>
Date: 17 Oct 90 03:31:00 GMT
References: <271711@<100>
Lines: 70
Nf-ID: #R:<100:271711:ux1.cso.uiuc.edu:30500795:000:3225
Nf-From: ux1.cso.uiuc.edu!phil    Oct 16 22:31:00 1990
Posted: Wed Oct 17 04:31:00 1990


> One of the flaws I'e noted in ham microwave activity is that there is way bel
> a critical mass of users. Some people spend so much time "getting on" the
> various bands that they never actually operate. This makes me think that we
> either need lots more people interested in microwaves, or fewer bands :-(.
> What activity can attract enough people to get a critical mass? It is surely
> a chicken-and-egg problem, but even we on these nets (who seem to talk a lot
> more than actually DO anything) can focus on something that will:
>    work
>    be useful
>    get someone to market kits or gear
>    be reasonably economical
>    .......
>
> Or can we?
> 73,  Bob  W3OTC
```

The way I approach problems, projects, and such (greatly based on my experience as a systems programmer) is the modular approach.

I don't want to be a complete appliance operator, but for the time being that is what I am, and it is between 144 MHz and 450 MHz.

I don't care to design and build circuits at the discrete level, either, at least not yet.

What I would like to see on the market are modular building blocks of complete modules that can be used to operate on VHF/UHF/SHF/EHF bands. A transverter, and some of the subcomponents of transverters, are now on the market, and these constitute are partial solution.

Additional modules are still needed. There need to be modulator modules to get your voice, data, or video, into an emission mode of one type or another. Modules of different emission types should all output the same I.F. frequency at the same power level.

Mixer modules (some are available now) would allow converting the signal up or down as desired. Modules should be available for output or input for every ham band that they can be made for. The power levels should also be consistent. It may be necessary that a different line be used for receive and transmit applications (due to power levels, etc.).

The modules should be as small as practical, totally sealed the best possible, or such totally sealing be available. Some should also be designed for outdoor use, or at least make a system container that can be (even with a heater).

Connector types should be consistent for a given frequency range. My personal opinion rules out UHF/SO239/PL259 type connectors above 30 MHz. BNC should not be used above 1300 MHz and 450 MHz might be a more practical limit. Up to 3500 MHz the TNC can be used. The N connectors are good for a wide range. SMA are also very good to use, but are not needed below 900 MHz. I'd be quite happy with N from 50 MHz to 5925 MHz.

PA modules should be made for a range of power levels. There are plenty on the market now for up to 450 MHz. Higher ranges are needed.

Antennas need to be marketed for those of us with no machine shops. I'd like to see some commerical yagi, helical and/or parbolic dish antennas for all the microwave ham bands. For bands that can use waveguide feeds, such antennas should be made as well as PA units that can be directly attached.

I guess that's asking too much.

QSY-ing back down to VHF/UHF.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 1818585992264052382
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c29d8abefd012d5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 20:36:40 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!emory!gatech!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark,.NF2G
From: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG (David Stark, NF2G)
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V90 #309
Message-ID: <119.271C5785@rochgte.FIDONET.ORG>
Date: 17 Oct 90 03:36:40 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 72
Posted: Wed Oct 17 04:36:40 1990

> From: phil@ux1.cso.uiuc.edu
>
> There are also OTHER legitimate uses for a transmitter that is out of
> band. One of them is to drive a linear tranverter for broadband usage
> of the wider GHz band.

Point taken.

> I know what Jay meant, though he didn't say it well enough for everyone
> to understand it.

I didn't. I won't blame that on Jay, though. I can be pretty dense when I want to be. ;-)

> The real question is when is it justified to violate the OTHER rules as
> the emergency rules allow for? David suggests that the operator should
> not do this. Do you mean that they cannot judge when the emergency
> exists, or are you saying there are some operators who would apply the
> label of "emergency" in non-emergency situations.

I'll take Door #2, Monty. Yes, there are operators who will and do transmit with their ham equipment on non-ham frequencies during non emergency situations. Some of them are chatting with their friends who are legitimate users of the service on commercial gear.

> There are levels of "emergency" involved here. Passing health and welfare
> traffic in and out of an disaster area would count as a low level of emergency
> and is well within what the B&P rules are about. These are the things we do
> *AS* hams.

I don't see RACES' function as H&W traffic handler. I was referring to actual emergency "tactical" traffic in direct support of

Public Safety and relief agencies. Even when working with the fire department, we don't transmit on fire frequencies AS HAMS. They can certainly provide us with fire portables if they feel it's necessary. They can also provide CBers, other volunteers and the average person in the street who doesn't know what a PTT is with a radio if they so desire.

Usually, however, the served agencies do not want the ham communicators on their agency channels.

> *NOT* because I am a ham; I'd do it if I was not a ham. The
> radio happens
> to be there because I am a ham. I would also cite amateur rules after the
> fact when responding to agencies about the matter.

You might have less trouble with the FCC if you cited the other emergency rules and left Part 97 out of it. I would rather say that I used an available police radio as a concerned citizen than as a ham transmitting out of band.

That is only my opinion, however. I am not a communications lawyer or FCC investigator. It might be an interesting question to pose to someone who is.

> I've read both positions, and it still seems to me that you are not
> exactly arguing the same points. This is usually when discussion and
> debate turn into arguments and flame.

Having looked over the entire thread, including your comments, I suspect that you (and Jay) may be right about that. Perhaps if Jay feels up to continuing this discussion a bit further, he might be persuaded to enumerate the issues that are pertinent. That might focus the discussion a bit better.

--
%
David Stark, NF2G - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark,.NF2G
INTERNET: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG
%

From 1168757223232248827
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,962e08cd6f381
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 20:42:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!
phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: CBS news irresponsible
Message-ID: <30500796@ux1.cso.uiuc.edu>
Date: 17 Oct 90 03:42:00 GMT

References: <27190@<265>
Lines: 23
Nf-ID: #R:<265:27190:ux1.cso.uiuc.edu:30500796:000:1171
Nf-From: ux1.cso.uiuc.edu!phil   Oct 16 22:42:00 1990
Posted: Wed Oct 17 04:42:00 1990

I got to watch my colleagues deal with the Morris Internet Worm incident (while I was monitoring Bitnet closely at the time before we knew what was really happening). I also read the newspaper and watched the TV about the situation. The media just got SO MANY things ABSOLUTELY WRONG or at best GROSSLY OUT OF CONTEXT. I do believe much of it was due to their neglect and ignorance, and their urge to get the story out before double and triple checking their understanding of what is told to them.

There have been a few cases where I get to see the media deal with an issue I know a lot about. ABSOLUTELY EVERY time, they got things wrong and/or out of context.

From that day on, I have always questioned what I read, hear, or see, in the media.

There have been a few exceptions. I generally found the Christian Science Monitor and the Wall Street Journal to be both more accurate and quite thorough at times. I just wish the Christian Science Monitor was back in the form that they earned their reputation.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -2004383010378598810
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4fddbe0d1e4f804
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 21:04:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Code & other requirements
Message-ID: <30500797@ux1.cso.uiuc.edu>
Date: 17 Oct 90 04:04:00 GMT
Lines: 17
Nf-ID: #R:<9010161303.AA17152@lonex4.radc.:-39:ux1.cso.uiuc.edu:30500797:000:755
Nf-From: ux1.cso.uiuc.edu!phil   Oct 16 23:04:00 1990
Posted: Wed Oct 17 05:04:00 1990

> By the way I support the no code licence as long as the CW bands don't change
> so that we can still have our kind of fun. [a possibly lame attempt to quell
> a flamefest :-)]

THIS supporter of a no code license ALSO supports the idea of people choosing to learn Morse Code and use it. I just believe it should be by choice, that's all.

I also agree that 5 WPM code is boring, as would be 5 WPM voice (try it).

You have not given code a chance to prove itself as being interesting and fun until you have learned it at a high enough speed to really do some communicating. Try for 25 to 30 WPM.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From -8213829495233001649
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a0fb3004d4eadf5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 21:07:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!
phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Walter
Message-ID: <30500798@ux1.cso.uiuc.edu>
Date: 17 Oct 90 04:07:00 GMT
References: <490196@<memo>
Lines: 21
Nf-ID: #R:<memo:490196:ux1.cso.uiuc.edu:30500798:000:797
Nf-From: ux1.cso.uiuc.edu!phil    Oct 16 23:07:00 1990
Posted: Wed Oct 17 05:07:00 1990
```

> Anyone know what license class Walter Cronkite holds?

```
phil@ux1:/cso/staff/phil 18> telnet marvin.cs.buffalo.edu 2000
Trying...
Connected to marvin.cs.buffalo.edu.
Escape character is '^]'.
Callbook v1.1  Bug reports to bowen@cs.buffalo.edu  Type 'help' for help
>> call kb2gsd
Call-Sign: KB2GSD                   Class: NOVICE
Real Name: WALTER L CRONKITE JR     Birthday: NOV 4, 1916
Mailing Address: 519 E 84TH ST, NEW YORK, NY  10028
Station Address: SAME AS MAILING ADDRESS
Valid From: DEC 20, 1988            To: DEC 20, 1998
Records Last Processed: DEC 20, 1988
>> quit
Connection closed by foreign host.
phil@ux1:/cso/staff/phil 19>
```

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -5399181633212801148
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5b4dbb9bf53c3d5a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,5b4dbb9bf53c3d5a,start
X-Google-Attributes: gid105d97,public
X-Google-Thread: 10b271,5b4dbb9bf53c3d5a,start
X-Google-Attributes: gid10b271,public
X-Google-ArrivalTime: 1990-10-16 21:08:09 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!bbn.com!nic!nuhub!johnson
From: johnson@nuhub.acs.northeastern.edu
Newsgroups: sci.electronics,sci.physics,rec.ham-radio
Subject: Household solar power, query.
Message-ID: <5532.271b27dc@nuhub.acs.northeastern.edu>
Date: 17 Oct 90 04:08:09 GMT
Organization: Computing Resource Center, Northeastern University
Lines: 34
Xref: gmdzi sci.electronics:9230 sci.physics:9730 rec.ham-radio:15940
Posted: Wed Oct 17 05:08:09 1990

Hello.

I'm posting to these groups. Not really sure where else this should go.

I'm interested in solar electricity generation. My slightly ambitious idea is to reduce the amount of power I use from the power company. Much electronic equipment exists that runs very well on 12V DC. Most of it is for cars and RVs. The necessary 12V DC can be obtained from car and trailer battery systems. The occasional 60 Hz house current used in North America can be pulled from the odd 12V DC to 110V-125V power inverter. Lower voltages can be had using NiCad batteries. What I need is a way of recharging the batteries. This would require high output solar panels, voltage regulators, and circuitry to avoid over charging of the various battery systems.

What I need is pointers to any manufacturers that might produce any of the equipment I need. I've been poking through the latest yuppie catalog from Edmund Scientific. They have some of the kind of thing I'm looking for but unfortunately they don't include any information of who makes what.

Any manufacturer info like names, addresses, phone or Fax numbers etc much appreciated. Please send any responses to my e-mail address as I'm not on any of these lists with regularity. My e-mail address is

johnson@northeastern.edu

Thanks much.

Chris Johnson
Northeastern University
USA

```
From -3273528583998895741
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 109f45,ea875b54552d7e68,start
X-Google-Attributes: gid109f45,public
X-Google-Thread: 10c9e3,ea875b54552d7e68,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,ea875b54552d7e68,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f8421,ea875b54552d7e68,start
X-Google-Attributes: gidf8421,public
X-Google-Thread: ffe14,ea875b54552d7e68,start
X-Google-Attributes: gidffe14,public
X-Google-Thread: 104158,ea875b54552d7e68,start
X-Google-Attributes: gid104158,public
X-Google-ArrivalTime: 1990-10-16 22:46:38 PST
Path: gmdzi!unido!mcsun!uunet!bbs!ddsw1!arf
From: arf@ddsw1.MCS.COM (Jack Schmidling)
Newsgroups:
talk.politics.mideast,misc.headlines,talk.politics.misc,alt.activism,rec.ham-
radio,rec.radio.shortwave
Subject: FORUM GUEST
Message-ID: <1990Oct17.054638.5649@ddsw1.MCS.COM>
Date: 17 Oct 90 05:46:38 GMT
Reply-To: arf@ddsw1.MCS.COM (Jack Schmidling)
Organization: ddsw1.MCS.COM Contributor, Wheeling, IL
Lines: 18
Xref: gmdzi talk.politics.mideast:2086 misc.headlines:2633 talk.politics.misc:4517
alt.activism:3511 rec.ham-radio:15935 rec.radio.shortwave:2474
Posted: Wed Oct 17 06:46:38 1990
```

FORUM GUEST

This weeks guest on The Amateur Radio Forum will be Mr. Mark Bruzonsky, Chairman of the Jewish Committee on the Mideast (JCOME).

If you are under the impression that the American Jewish Community is a monolithic bloc that supports Israel, right or wrong, you will find what Mark has to say a refreshing change.

Amateur Radio Forum (ARF) NR9Q
Thurs 09:PM CST   3950 KHZ

ARFNET: A Network of concerned Americans utilizing computer and ham radio communication links.

From -4557274521956266897
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a0fb3004d4eadf5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-16 23:42:10 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!elroy.jpl.nasa.gov!jarthur!ucivax!orion.oac.uci.edu!lockhart
From: lockhart@orion.oac.uci.edu (Jack Lockhart)
Newsgroups: rec.ham-radio
Subject: Re: Walter
Message-ID: <271BFD42.29234@orion.oac.uci.edu>
Date: 17 Oct 90 06:42:10 GMT
References: <memo.490196@lynx.northeastern.edu>
Reply-To: lockhart@orion.oac.uci.edu (Jack Lockhart)
Organization: University of California, Irvine
Lines: 30
Posted: Wed Oct 17 07:42:10 1990

In article <memo.490196@lynx.northeastern.edu> sehrlich@lynx.northeastern.edu writes:

> Anyone know what license class Walter Cronkite holds?

```
Call-Sign: KB2GSD                   Class: NOVICE
Real Name: WALTER L CRONKITE JR     Birthday: NOV 4, 1916
Mailing Address: 519 E 84TH ST, NEW YORK, NY  10028
Station Address: SAME AS MAILING ADDRESS
Valid From: DEC 20, 1988            To: DEC 20, 1998
Records Last Processed: DEC 20, 1988
```

There were only three Cronkite's in the database. This is the
gentlemem with the oldest birthday. Is it him? What do you think!

```
[=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=]
[ Jack C. Lockhart                  <  BITNET  > LOCKHART@UCI                 ]
[ University of California, Irvine  < INTERNET > LOCKHART@ORION.OAC.UCI.EDU   ]
[ Network & Telecomm Services       <  PHONE   > (714) 856-8477               ]
[ 2209 Central Plant Building       <   FAX    > (714) 725-2270               ]
[ Irvine, CA  92717-0001            <   HAM    > WD6AEI                       ]
[         U.S.A.                    <^^^^^^^^^^>                              ]
[                                                                             ]
      o o o o o o o . . .   ________________________________ _____=======_____
    o      _____            |"what you think of me is none | |  Terry-Cole   |
  .][__n_n_|DD[  ====_____  |      of my business"...      | |   Whittaker   |
 >(________|__|_[_________]_|______________________________|_|_______________|_
 _/oo OOOOO oo`  ooo   ooo  'o^o^o                    o^o^o` 'o^o         o^o`
-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-
|                                                                             |
|=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=+=|
```

From -3021533986135840984
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e7e19d042ce3c85,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,e7e19d042ce3c85,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-10-17 01:59:49 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!elroy.jpl.nasa.gov!ncar!midway!ellis.uchicago.edu!gary
From: gary@ellis.uchicago.edu (gary buchholz)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: HELP - PK-232 "Warbling" modulation of my HF TS-440S rig
Keywords: Erratic ALC meter on AFSK tone level calibration
Message-ID: <1990Oct17.085949.3407@midway.uchicago.edu>
Date: 17 Oct 90 08:59:49 GMT
Sender: news@midway.uchicago.edu (News Administrator)
Organization: University of Chicago
Lines: 61
Xref: gmdzi rec.ham-radio:15828 rec.ham-radio.packet:2926
Posted: Wed Oct 17 09:59:49 1990

Dear net people....

Hopefully, someone can come to my rescue with problem/query.

I've been on VHF packet for a while now... using a Kenwood 731A, PK232 and a Mac. All is well.

I decided to try some HF packet, RTTY, AMTOR and the like with my TS-440S. The kenwood 731A and the 440S have identical Mic jack connections. So, my already constructed mic<-->PK-232 cable should work fine - right ?

For HF the PK-232 manual says to put the HF rig in LSB/SSB mode, apply the tones to the Mic jack (as I do in the case of VHF/Packet), enter CALibrate mode on the pk-232 and adjust the Mic-gain on the HF rig for an on-scale ALC reading.

Simple enough. But, something appears very wrong in that I get a very erratic reading on the ALC meter. I would assume that a pure tone as is being generated by the pk-232 (mark or space) would produce a stable ALC meter reading. I did all this through a dummy load (of course) and also see that the power out (watts) is very erratic - following the ALC meter reading.

If I had to guess it would seem that the pk-232 is over-driving the Mic input to the point of distortion. But, there is no adjustment of the AFSK output level that I make that gets rid of this erratic ALC meter reading.

Again, the VHF packet works fine. I can monitor solid tones in

CALibrate mode. No problem with the drive level on the FM rig and I would assume that I can use the same drive level for HF as I do for VHF/FM packet (as this adjustment is critical for FM). That is, get the pk-232 AFSK drive level set for FM/packet then use the Mic gain control for when I switch to HF/SSB.

Whew. How can something so simple get so complicated.

Plenty of people out there must have TS-440S rigs (successfully) hooked up to PK-232s.

So, whats the story on these erratic "warbling" ALC meter readings when in PK-232 CALibrate mode ??? Not normal right ?

I know I should be using the ACC 2 jack on the Kenwood rig. And, I am having a cable made according to the specs in the pk-232 appendix for kenwood radios (so I hope their right about the connections).

In any case, the Mic input should work. And it will be just my (bad) luck that when using the ACC 2 jack I get the same thing.

Anyone got an insight into these erratic ALC readings I'm seeing ?

Thanks
Gary
--
```
Gary Buchholz                    gary@midway.uchicago.edu
University of Chicago            xasgary@uchimvs1 [ BITNET ]
Academic and Public Computing        N9KAW [ real aether-net ]
1155 East 60'th St., Chicago, Ill.   (312) 702-7611
```

From 192713149948757174
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3dfae72efb567553
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-17 02:01:06 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Oscar antennas, your views sought
Message-ID: <1435@ke4zv.UUCP>
Date: 17 Oct 90 09:01:06 GMT
References: <12280018@hpspdra.HP.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 33
Posted: Wed Oct 17 10:01:06 1990

In article <12280018@hpspdra.HP.COM> henryb@hpspdra.HP.COM (Henry Black) writes:
>I have it in mind to buy myself a new toy soon, specifically an
>"Oscar" antenna package. You know the kind of thing, 2m. and 70cm.

>beam yagis of >10dB gain and circular polarization.
>So could anyone post their views on commercial offerings, particularly
>performance experience and perceived quality of construction.
>I am aware of the offerings of Cushcraft, HyGain and KLM. Any others?
>How important is a remote control left/right handed polarization switch,
>and which packages include this?
>Any views on the practicality of using an Alliance 110 rotor for
>elevation? (I have a heavy duty rotator already for azimuth).
>Thanks in advance, I suggest posting responses if of likely wide
>interest.

I have used the Cushcraft and KLM antennas. The KLM antennas are much better and much more expensive. The Cushcraft antennas simply do not work right when they are wet. Even a heavy dew seems to detune them. The KLM antennas are very nicely built and work fine even with a light coat of ice on them. I haven't used the Hygain antennas, but a friend of mine is impressed with them. The U110 will barely swing the Cushcraft antennas if you balance them carefully. The KLMs are too long and heavy for the U110 to handle reliably. I used the Kenpro KR500 until recently when I changed to the dual axis 5400b system from Yaesu/Kenpro. I swing a KLM22C, a KLM40CX, and a pair of loop yagis from Down East Microwave for 1.2 and 2 Ghz. You really do want the ability to switch polarization from the operating point since apparent polarization changes during an orbital pass due to the changing geometry of the path. Make sure your feedlines exit the rear of the beams and swings free down to your preamp box. Routing the feedline along the boom to the mast will disrupt the antenna's pattern and make it difficult to boresight more than one antenna to the same point in the sky.

Gary KE4ZV

From 8824143601387401626
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4319375787c4051c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-17 03:21:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!ut-emx!ccwf.cc.utexas.edu!spam
From: spam@ccwf.cc.utexas.edu (Charles E. Watson)
Newsgroups: rec.ham-radio
Subject: Re: Wants to learn code interactively on a Sparc 1+
Summary: C source code for Morse trainer wanted
Message-ID: <38370@ut-emx.uucp>
Date: 17 Oct 90 10:21:33 GMT
Sender: news@ut-emx.uucp
Reply-To: spam@ccwf.cc.utexas.edu (Charles E. Watson)
Lines: 3
Posted: Wed Oct 17 11:21:33 1990

I want public domain source code for a morse trainer for a Sparc 1+ which has a dev/audio.
Thanks!

```
From -2343828231178944471
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3dfae72efb567553
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-17 04:57:53 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!funic!santra!hila.hut.fi!kwiik
From: kwiik@hila.hut.fi (Kaj Wiik)
Newsgroups: rec.ham-radio
Subject: Re: Oscar antennas, your views sought
Message-ID: <1990Oct17.115753.12184@santra.uucp>
Date: 17 Oct 90 11:57:53 GMT
References: <12280018@hpspdra.HP.COM>
Sender: news@santra.uucp (Cnews - USENET news system)
Reply-To: kwiik@hila.hut.fi (Kaj Wiik)
Organization: Helsinki University of Technology, FINLAND
Lines: 11
Posted: Wed Oct 17 12:57:53 1990

In article <12280018@hpspdra.HP.COM> henryb@hpspdra.HP.COM (Henry Black) writes:
>I am aware of the offerings of Cushcraft, HyGain and KLM. Any others?
I am using CUE-DEE's 15 el cross yagi (made in Sweden). The CUE-DEES are
the only commercial ham antennas I know which can last several finnish
winters. They make also 10 el for 2m, 20 and 23 el for 70cm.
Homemade helix is also a good alternative for 70 cm (sense swiching is
pretty difficult though...).

Kaj OH6EH/2

PS. I am only a happy customer of CUE-DEE etc...


From 7774169294453734009
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db96dcdd679c4e46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-17 06:35:01 PST
Path: gmdzi!unido!mcsun!uunet!seismo!ukma!rex!wuarchive!swbatl!ken
From: ken@swbatl.sbc.com (Ken Gianino 5-9081)
Newsgroups: rec.ham-radio
Subject: Re: Re: Info-Hams Digest V90 #296
Message-ID: <1990Oct17.133501.7409@swbatl.sbc.com>
Date: 17 Oct 90 13:35:01 GMT
References: <116.271C5780@rochgte.FIDONET.ORG>
Organization: Southwestern Bell Advanced Technology Laboratory
Lines: 24
Posted: Wed Oct 17 14:35:01 1990


 >> What if the guy wants to do repeater offsets to operate on RCC
 >> frequencies in an emergency, to telephone (via radio) the police?
 >    Any RCC/IMTS experts on here?  Does the telco equipment allow
```

>"unregistered" mobiles with no phone number assigned to place calls

IMTS is a type of AFSK system and does not use Touchtones. The mobiles all park on a channel marked with idle tone. When a mobile goes off-hook a handshake with guard tone, connect tone and seize tone takes place. Idle tone moves to another channel and the idle mobiles follow it. The mobile then outpulses its ANI with connect tone at 20 PPS. Pulses of guard tone are sent after certain bits as a parity check for the ANI. After getting dial tone, dialing is accomplished by outpulsing connect tone with guard tone on off normal. The disconnect burst contains disconnect and guard tones.

RCC systems often use a system called SECODE. It's similar to IMTS but not compatible. Both systems have stringent timing requirements and require full duplex operation. There are more system variations than you can shake a stick at. At the bottom rung are SMR operators that use interconnects similar to autopatches. Each user is identified by a different PL tone. I think maybe the full-duplex systems are harder to dink around with than you may have thought. All of this info is published.
-Ken WB0QNA

From 7973700103201963406
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c51607fc93a97fac
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-17 08:04:51 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: Flaming newbies and public service
Message-ID: <12836@crdgw1.crd.ge.com>
Date: 17 Oct 90 15:04:51 GMT
References: <117.271C5782@rochgte.FIDONET.ORG>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 22
Posted: Wed Oct 17 16:04:51 1990
In-reply-to: David.Stark,.NF2G@f218.n260.z1.FIDONET.ORG (David Stark, NF2G)

In article <117.271C5782@rochgte.FIDONET.ORG>, David.Stark,.NF2G@f218 (David Stark, NF2G) writes:

> > What loopholes? I haven't found any. I believe the FCC rule that allows
> > hams to transmit "by any means" when an **EMEREGENCY**!! exists, is what
> > was actually intended, so it is not a loophole. Those who transmit when
> > no such emergency really exists are in violation of the rules, so again,
> > it is not a loophole.
>
> In the strictest sense, no it is not a loophole. I also will
>not deny the existence of rules that cover the situation. But I know

>hams who do not have the judgment or self-discipline NOT to transmit
>where they don't belong. They should not have the capability.

Here's some food for thought.. fire departments and ambulance crews
deal with emergencies all the time. Their purpose is dealing with
emergencies. Emergencies are routine. Does that mean they can
routinely use ham frequencies & repeaters without even a ham
license? The rules say no, but HEY! its an emergency!

-don perley - ke2tp

perley@trub.crd.ge.com

From -3481654148465099315
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,962e08cd6f381
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-17 08:13:40 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cica!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: CBS news irresponsible
Message-ID: <65211@iuvax.cs.indiana.edu>
Date: 17 Oct 90 15:13:40 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 35
Posted: Wed Oct 17 16:13:40 1990

Ron Miller NW0U writes:
>May I suggest that when folks write to CBS (or whoever) that they
>kindly mention that major news stations use (evil, assault,baby-
>killing) scanners to find out when and where they should dispatch
>their news crews.

>When scanners are outlawed, the news divisions of major networks
>will become outlaws! (unless they buy exemptions.....)

I realize that perhaps this should be on alt.conspiracy, but...

After restricting guns, the government will predictably seek to
restrict radios. After all, *DOPE DEALERS* use them! Will ARRL play
an NRA-like role, opportunistically sucking in more member$ and then
wimping out?

Steve Roberts N4RVE writes:
>... CBS is clearly in business to make money selling entertainment in
>the guise of news. The more sensational, the better (consider the
>market)...

If you have radios, you can gather your own news and form your own
opinions. The news media would rather sell those to you. I predict

that CBS et al will form an unholy alliance with the government in
which they will support anti-radio legislation in return for exemption
from it.

recent posting on rec.humor:

Q: Why is television called a medium?
A: Because it's neither rare nor well done.

--

Frank   W9MKV   reid@ucs.indiana.edu

```
From -7370352050914339335
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bbc731178d683c09
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-17 11:53:29 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: BAUDOT teletypes need warm new home...
Message-ID: <1250249@hpnmdla.HP.COM>
Date: 17 Oct 90 18:53:29 GMT
References: <7231.271b2973@jetson.uh.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 10
Posted: Wed Oct 17 19:53:29 1990
```

>I have two BAUDOT teletypes that I need to get rid of.   As opposed to sending
>them to the scrap yard, I would like to see them go to someone who wants
>them.

They are not worth shipping: Advertise in local ham club newlsetter(s)
so someone local can pick them up.

AL N1AL

```
From -5101462692456545459
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,997b9ff3416fdfdc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-17 12:51:08 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!linac!att!emory!gatech!eedsp!
lagrange!tucker
From: tucker@eedsp.gatech.edu (Jeff Tucker)
Newsgroups: rec.ham-radio
Subject: Looking for MARS in CA
Message-ID: <1275@eedsp.eedsp.gatech.edu>
```

Date: 17 Oct 90 19:51:08 GMT
Sender: news@eedsp.eedsp.gatech.edu
Reply-To: tucker@eedsp.gatech.edu (Jeff Tucker)
Organization: Georgia Institute of Technology
Lines: 14
Posted: Wed Oct 17 20:51:08 1990

I'm looking for a MARS affiliate station in the Sacramento area. Just now, a lady in CA called the GA Tech club phone and asked about contacting Saudi Arabia via amateur radio. I explained to her what MARS was and told her I would try to help her locate someone.

Is it possible to initiate a contact from this side? Or does it have to be initiated from the military station overseas? Anyway, if someone would be willing to help this lady, I would appreciate it if you would contact me.

Thanks and 73

Jeff Tucker   N9HZQ
tucker@eedsp.gatech.edu   Graduate Student, Electrical Engineering
                                    Georgia Institute of Technology

From -4233581429514315483
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-17 13:46:46 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!cs.umn.edu!msi.umn.edu!srcsip!sol.ctr.columbia.edu!caen!sdd.hp.com!hplabs!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Antenna Restrictions
Message-ID: <1990Oct17.204646.19836@informix.com>
Date: 17 Oct 90 20:46:46 GMT
References: <9010082140.AA18619@tilde> <7880314@hpfcdc.HP.COM>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 25
Posted: Wed Oct 17 21:46:46 1990

Some interesting issues have been brought up on the net recently about antenna restrictions. Now that fewer and fewer people own their own homes, and that most of these new homes are condos and townhouses, amateur radio is increasingly threatened with anti-ham rules from CC&Rs and city ordinances. These include antenna restrictions and even rules prohibiting radio transmitters.

I have a couple of questions for those of you out there who have experience in this area:

1. I have heard that recently all city ordinances involving TVI were declared unconstitutional, as this is the exclusive juristiction of the FCC.

Can an apartment complex or homeowners association ban the use of ham radio transmitters?

2. Can homeowners associations ban antennas, or place height restrictions on antennas? Can city governments go the same? I assume that height restrictions are OK.

3. What can hams do to fight against such rules?
--

=-=
Randall Rhea   Informix Software, Inc.
Senior Programmer/Analyst, MIS   uunet!pyramid!infmx!randall

From 8364893559573476270
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,962e08cd6f381
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,962e08cd6f381
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-17 14:32:49 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Laws against scanners
Message-ID: <1990Oct17.213249.21203@informix.com>
Date: 17 Oct 90 21:32:49 GMT
References: <265.27190D02@w8grt.fidonet.org>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 53
Xref: gmdzi rec.radio.shortwave:2446 rec.ham-radio:15834
Posted: Wed Oct 17 22:32:49 1990

In article <265.27190D02@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>
>Finally, the anthropological concepts regarding territoriality come into play
>here. Listening to the police, the hams, or even the government is one thing,
>but invading peoples' "personal space" by eavesdropping on their home
>cordless telephones or their baby monitors is quite another. Their
>"expectation of privacy" is likely to become a non-negotiable demand, and
>since there are several hundred million more of them than there are of us,
>guess who is going to lose - REAL QUICK!!!

This is another example of how new technology forces us to re-think our constitutional rights. There are very good arguments on both sides. The last I heard, the ACLU was siding with those who want restrictions placed on scanners, a position that surprised me. The "rights" of cordless phone users are clearly at odds with the "rights" of scanner enthusiasts.

My opinion is that everyone does indeed have a "personal space" which must be protected. HOWEVER, when you transmit a radio signal, you are sending that signal well beyond your "personal space." If your RF signal goes into MY "personal space", then I have the right to monitor it. To deny me that right is to invade MY privacy. I don't have the right to break into someone's home and listen to their phone conversations, but I should have the right to receive a signal that they are transmitting into MY home.

Think about it ... If monitoring cordless phones is illegal, then what we are saying is that the cordless phone user "owns" the signal. If he "owns" the signal, then he in fact "owns" a part of my "personal space", since his signal is there. I just don't like that idea. If the signal is in MY home, in MY room, surrounding MY body, then I should "own" it. Restricting radio receivers based on the "privacy" argument would establish a dangerous legal precedent that in the long run would harm our privacy rights. The public needs to be educated on this issue, and an un-biased report from CBS is a good place to start.

It should be noted that authoritarian regimes tend to place restrictions on radio receivers. It's pretty dangerous to have all that free-thought being picked up by the masses. Laws against radio receivers are censorship, plain and simple.

The SOLUTION to this problem is NOT to outlaw scanners. The solution is to digitally encrypt the signal, just like some police departments are doing. I know that this would increase the cost of cordless phones, but this is the only real way of guaranteeing the privacy of conversions on them. Even if scanners are made illegal, a clever kid could always modify his Radio Shack 49 MHz walkie-talkie to pick up baby monitors.

--

```
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                         Informix Software, Inc.
Senior Programmer/Analyst, MIS                    uunet!pyramid!infmx!randall
```

From 8830513607522779367
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a0fb3004d4eadf5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-17 14:45:52 PST
Path: gmdzi!unido!mcsun!uunet!midway!ellis.uchicago.edu!pbhx
From: pbhx@ellis.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: Re: Walter
Message-ID: <1990Oct17.214552.15937@midway.uchicago.edu>
Date: 17 Oct 90 21:45:52 GMT
References: <memo.490196@lynx.northeastern.edu> <271BFD42.29234@orion.oac.uci.edu>
Sender: news@midway.uchicago.edu (News Administrator)
Organization: The University of Chicago

```
Lines: 27
Posted: Wed Oct 17 22:45:52 1990

In article <271BFD42.29234@orion.oac.uci.edu> lockhart@orion.oac.uci.edu (Jack
Lockhart) writes:
>In article <memo.490196@lynx.northeastern.edu> sehrlich@lynx.northeastern.edu
writes:
>>Anyone know what license class Walter Cronkite holds?
>
>
>Call-Sign: KB2GSD                    Class: NOVICE
>Real Name: WALTER L CRONKITE JR      Birthday: NOV 4, 1916
>Mailing Address: 519 E 84TH ST, NEW YORK, NY  10028
>Station Address: SAME AS MAILING ADDRESS
>Valid From: DEC 20, 1988             To: DEC 20, 1998
>Records Last Processed: DEC 20, 1988
>
>There were only three Cronkite's in the database.  This is the
>gentlemem with the oldest birthday.  Is it him?  What do you think!
>

I think he is at least a tech by now. When I was in Maine last month
I worked someone on the Camden repeater who had talked 2 m to Cronkite.




--
---------------------------
Peter B. Hayward                                             N9IZT
University of Chicago Computing Organizations
Marriage proposals considered Tuesdays and Fridays from 1 pm to 8 pm


From -3790465903915387517
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c652706d882f2d6f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-17 15:47:50 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!cs.umn.edu!msi.umn.edu!srcsip!uwm.edu!rpi!
julius.cs.uiuc.edu!apple!rutgers!cbmvax!heimat!dan
From: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Newsgroups: rec.ham-radio
Subject: Schemat for MW Airline TRF wanted
Message-ID: <201@heimat.UUCP>
Date: 17 Oct 90 22:47:50 GMT
Reply-To: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Organization: Sneakers Computing, West Lawn, PA
Lines: 16
Posted: Wed Oct 17 23:47:50 1990

-=-
```

A local ham (without net access) is in need of a schematic for a radio sold by Montgomery Ward (sp?) as the "Airline TRF". All I know about the radio is that it uses 201A's.

Send all replies via e-mail. Thanx in advance.

```
--
                               _____
     Dan 'Sneakers' Schein    /     \   Quote:
     Sneakers Computing     \/\/     |        Those who worked the hardest
     2455 McKinley Ave.      |  (o)(o)        are the last to surrender.
     West Lawn, PA 19609     C   .---_)            -= Gary Ward =-
                              | |.___|
                              |  \__/
     uunet!cbmvax!heimat!dan  /_____\  (or)  dan%heimat@commodore.com
```

From 6820280680382073152
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4fddbe0d1e4f804
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-17 17:20:29 PST
Path: gmdzi!unido!mcsun!uunet!salt.acc.com!ucsd!chiton!rec
From: rec@chiton.ucsd.edu (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: Code & other requirements
Message-ID: <523@chiton.ucsd.edu>
Date: 18 Oct 90 00:20:29 GMT
References: <30500797@ux1.cso.uiuc.edu>
Reply-To: rec@chiton (Richard Currier)
Organization: MPL of SIO at UCSD
Lines: 55
Posted: Thu Oct 18 01:20:29 1990

In article <30500797@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:

> You have not given code a chance to prove itself as being interesting
> and fun until you have learned it at a high enough speed to really do
> some communicating. Try for 25 to 30 WPM.

Well said Phil.

If I remember right, below 15 WPM I felt that I was in the early part of a learning curve. At that stage you have no idea what it will be like later on when you are "fluent" in the new language you are learning. Almost all of your effort is spent just getting the right sounds out and correcting mistakes. At this stage you are completely dependant on writing down letter by letter everything you hear. A most painful stage where you have to have "faith" that it will all be worth the effort.

At about 15 WPM I began to feel "competent" in my new language. I could think more about what I wanted to say and less about the mind/hand coordination necessary to communicate. I could now have a reasonable conversation with someone in an acceptable amount of time. At this stage, also, I felt that I knew what it was going to be like when the whole process became automatic: the stage of fluency. Here it begins to be "fun" and more spontaneous and less faith is needed to continue. At this stage, however I was still dependant on writing down on paper much of what I was copying but I began to read by ear many of the most common words and could see that doing away with the pencil completely was going to be the final breakthrough.

That breakthrough happend at about 20 WPM and it seemed to come quickly. I think it took only a month or so to go from 15 to 20 WPM. I think this stage comes more quickly because you have the all the basic mind/hand reflexes in place at 15 WPM and getting faster is now a matter of "burning in" what is already there. All of a sudden I could copy everything in my head and remember it all well enough to "converse" back and forth with someone in a real exchange. At this point the key (iambic) is a joy to use and becomes an extension of your mind as you push out what you want to say with fluid hand motions.

At that point I thought I was a real CW "hot-dogger" and had nothing more to learn so I was surprised to find that at about 30 WPM there was another stage. Here the key seems to disappear and you really "talk" in a new language. Now there is no difference to me whether I work SSB or CW. Often I can't remember whether a QSO I had last night with someone was on the mic or the key. I have to look in the log. Here you flip between modes without thinking about it and it dosen't really matter.

I would say that this is really the stage of fluency but now I wonder if there is another stage at 40 WPM.......50 WPM......Ah another frontier.

I wonder what it's like to play chess with a 2800 rating? Only Gary knows....

AA6PN

--
richard currier marine physical lab u.c. san diego
{decvax|ucbvax} !ucsd!mplvax!rec
rec@mpl.ucsd.edu

From 3568317257239564634
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98345fef2d6ff52,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 12:52:02 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpfcso!vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: Yaesu 411E Mods
Message-ID: <7500033@hpfcso.HP.COM>
Date: 9 Oct 90 19:52:02 GMT
References: <27118D83.16243@orion.oac.uci.edu>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 22
Posted: Tue Oct 9 20:52:02 1990

/ hpfcso:rec.ham-radio / eaiu063@orion.oac.uci.edu (Byon Garrabrant) / 2:42 am
Oct 9, 1990 /

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```

Sorry if anyone has already asked this, but can anyone let
me know how to "open up" my new handie? I would prefer email
replies. Thanks All!

```
============================================================================
I may as well be hyper                        | Reply to:
As long as I'm still around                   | ZBMGARRA@uci
Cause I'll have lots of time to be laid back +------------------------------
When I'm six feet under ground.  - Al Yankovic - I'll Be Mellow When I'm Dead
============================================================================
----------
```

Does the documentation that comes with the FT-411E mention what the
"E" == enhanced stands for. All the wonderful features listed for the FT-411E
in the full page glossy adds are the same as the original FT-411.

Maybe it's just a FT-411 with the intermod fix applied.

Bill WA7NWP

```
From 1224693602629583498
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,65e5a26f006c36d0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 13:02:02 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!swbatl!ken
From: ken@swbatl.sbc.com (Ken Gianino 5-9081)
Newsgroups: rec.ham-radio
Subject: Re: turn down the flamethrower, Tad
Message-ID: <1990Oct9.200202.20467@swbatl.sbc.com>
Date: 9 Oct 90 20:02:02 GMT
References: <69.27121FBB@rochgte.FIDONET.ORG>
Organization: Southwestern Bell Advanced Technology Laboratory
Lines: 10
Posted: Tue Oct  9 21:02:02 1990
```

>W1AW was just extensively (and expensively) renovated and operates
>using top-line commercial-grade radio and computer equipment.

The ARRL bought Harris RF-3200 HF radios for W1AW. The 3200 is a new
design at the <bottom> of the Harris line. They sell for about $3500,
which is near the top of the "ham" HF price range. Some of their logic was
that Harris is not likely to drop the radio after 2 years and create a
spare parts "vacuum".

-Ken WB0QNA

From 2941189323054153730
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12c3d77f7064d82f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 13:13:33 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!zaphod.mps.ohio-state.edu!
sdd.hp.com!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.HP.COM (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: QSL route help
Message-ID: <7120134@hpcupt1.HP.COM>
Date: 9 Oct 90 20:13:33 GMT
Organization: Hewlett Packard, Cupertino
Lines: 5
Posted: Tue Oct 9 21:13:33 1990

I worked RH7E in the CQ WW RTTY contest. Unfortunately I did not get
a QSL route. Any on the net have a route.
Thanks and 73's
Jim, WA6SDM@N6LDL
jholly@hpcupt1.hp.com

From 7159574357478102944
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc9367b76da04dc5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 13:26:45 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpda!hpcupt1!hprnd!hprmokg!cmoore
From: cmoore@hprmokg.HP.COM (Chris Moore)
Newsgroups: rec.ham-radio
Subject: Re: Packet Games
Message-ID: <29490021@hprmokg.HP.COM>
Date: 9 Oct 90 20:26:45 GMT
References: <1395@necis.UUCP>
Organization: HP Networked Computer Mfg. Operation
Lines: 25
Posted: Tue Oct 9 21:26:45 1990

> Brian (and the net), several of us a few years ago were bashing about this
> idea and thought that it would be GREAT fun.... There is no legal problem
> with it... the only reason that it has not been done yet is that none
> of us are 'game implementers'... If you are PLEASE develop a game and make
> it available...

> By the way, my DOSGATE system has several 'text based' games available
> are mildly popular...
> I love the idea of a multiplayer Amateur Radio game.

I have spent a good deal of time working on and supporting MUD's (Multi
User Dungeons) Although the term 'Dungeon' can be misleading, the idea is
that a MUD is a multiuser game like the text adventures in which players

can interact with each other.

I would be very interested in working on a multi-user game under packet.
I am a licensed ham, but I am not (yet) on packet.

If someone would like to work on this I would be glad to contribute my
expertise in multiuser games if someone would like to help me with the
packet radio aspects.

I can be reached by mail at cmoore@hprmokg.hp.com.

Chris Moore

From -2963765847013898231
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,543ee0bbf10e7e60,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 13:29:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: Wanted: Weather newsgroup/distribution list contact
Message-ID: <9010092029.AA11918@tilde>
Date: 9 Oct 90 20:29:41 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11
Posted: Tue Oct 9 21:29:41 1990

Netizens:

I am looking for an email address for a weather (severe & otherwise) group
similar to infohams.

Any suggestions to contact? ((do i remember seeing someone from the Severe
Storms Lab in Oklahoma on this net?))

73,
Bob WA8YCD
rlwest@flopn2.csc.ti.com

From -3905920102508300233
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 13:47:20 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)

Message-ID: <9010082140.AA18619@tilde>
Date: 8 Oct 90 21:40:26 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 45
Posted: Mon Oct 8 22:40:26 1990

Re: Calling the cops by radio (was

In <luru@stekt.oulu.fi (Ari Husa OH8NUP)> Luru writes (lotsa stuff deleted):

NOTE: Those who have seen discussions of type-acceptance and ownership rights on this net press D now (no flames below).

>there was a ham (should I call him that?) in this town who got caught
>of chatting with the cops with his IC-2GE. Apparently, he was
>seriously drunk (getting caught almost requires that, I think).
>
>He was facing charges of "Serious disturbing of security traffic" (or
>whatever that REALLY is in English) and possession of illegal radio
>transmitting equipment.
>
>The point here is, that the latter charges were dropped - or at least
>they tried to get them dropped - on the basis of the fact that radio

We should be thankful that, with the exception of a few states, ownership of equipment is not restricted. It's a question of *use*, not ownership, of equipment that is regulated in the U.S.

>the modified IC-2GE would be a mere subject of his construction
>project... Remember, ham gear don't have to be type approved, if it is
>not meant to be sold.

In the U.S., Ham gear does not require type acceptance, whether it is to be sold or not. This assumes, of course, that the equipment will *only* be used in the amateur service. The flip side is that Ham gear cannot legally be used on any service that requires type-accepted equipment (and that includes, for example, Citizens Band) unless it has received type-acceptance for that service.

So what this tells me is that in the U.S. (1) you won't be in trouble for owning a radio that can be used in any particular service; (2) you *might* get in trouble with a police department for any of a variety of technical points if you tried to talk on their frequencies; and (3) you *probably would* get in trouble with the FCC for operating equipment in a service for which it was not type-accepted, if you used your ham gear to chat on police frequencies.

>   Luru

73,   Dube   N5PDK

From -6459008870782716858
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 14:19:02 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!usc!cs.utexas.edu!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Message-ID: <4941@qip.UUCP>
Date: 9 Oct 90 21:19:02 GMT
References: <9695@uhccux.uhcc.Hawaii.Edu> <8882@helios.TAMU.EDU>
<1990Oct8.213456.18490@math.lsa.umich.edu>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 20
Posted: Tue Oct 9 22:19:02 1990

In article <1990Oct8.213456.18490@math.lsa.umich.edu> hideg@spsd4330a.erim.org
(Steve Hideg (Mr. Fabulous)) writes:
]In article <8882@helios.TAMU.EDU> billg@cs.tamu.edu (William Gunshannon)
]writes:
]> Where were the control operators for all these repeaters?? FCC regs
]state
]> that automatic operation requires a control operator.
]
]Then it ain't "automatic".

No, but a phone patch does handle 3rd party traffic, requiring
a control operator. However, I believe that a patch is legal if,
when the control operator is not present, only 911 or equivalent
can be dialed. This is on the theory that a 911 call is a presumed
emergency and hence the third party traffic rule is waived.
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From -5250996725229662310
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,82e3030288dc7423,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 15:26:50 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!wuarchive!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Webster Smogpule III)
Newsgroups: rec.ham-radio
Subject: CW saves lives, thanks to ARRL
Keywords: actually W1AW
Message-ID: <38017@ut-emx.uucp>

Date: 9 Oct 90 02:24:50 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 23
Posted: Tue Oct 9 03:24:50 1990

jerry@altos86.Altos.COM (Jerry Gardner NJ6A) complains (I think):

>>Obviously, he means W1AW, which, for most intents and purposes, IS a
>>shortwave broadcast station that happens to broadcast on ham frequencies
>>using paid operators.

Well, the last time I heard W1AW it was being operated by netperson
Jim Reisert AD1C, and I had a nice cw chat with him. I'm pretty sure
he wasn't paid anything to do that, he even had to write out all the
QSL cards himself.

There sure are a lot of complainers on this 'ere net - if some of you
spent as much time reading the license manuals and listening to CW as
you do complaining about things here, you'd all be Extra class ops by
now (no offense intended to original poster, who obviously has time to
do both!).   [add appropriate fraction of a :-)]

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From -7078798594190699889
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f77b8ba654e99a61,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 15:30:00 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!asuvax!ncar!umigw!
rsmas!eakin
From: eakin@rsmas.miami.edu
Newsgroups: rec.ham-radio
Subject: Re: Sources for liability insurance?
Message-ID: <10003.27121728@rsmas.miami.edu>
Date: 9 Oct 90 22:30:00 GMT
References: <664@dptspd.sat.datapoint.com>
Distribution: usa,world
Lines: 26
Posted: Tue Oct 9 23:30:00 1990

In article <664@dptspd.sat.datapoint.com>, lcz@dptspd.sat.datapoint.com (Lee
Ziegenhals) writes:
> A group of us in San Antonio are planning to install a new packet TCP/IP
> node. We have a good site selected, and the building management has
> given us approval for installation. However, they want us to have
> liability insurance in case the antenna falls and damages someone or

> something.
>
> This seems like a reasonable request, though I welcome any opinions on
> the subject. Also, I am looking for suggestions on places to look for
> such insurance. Are there any companies that specialize in liability for
> antennae/towers/etc? Does the ARRL insurance cover this type of thing?
>
> 73/Lee, N5LYT

The good news is that the ARRL offers a group liability policy in addition to
the better known equipment policy. The bad news is it will cost you around
$500/year. The same agency (Woehlers, I think) and carrier (CIGNA) are used
for both policies. Contact the ARRL for details.

73 de Mark

--
C. Mark Eakin
Internet: Eakin@RSMAS.miami.edu
Amateur Radio: N4SYK   Packet Radio: N4SYK@AB4LU.FL.USA.NA
USnail: Univ. of Miami, RSMAS-BLR, 4600 Rickenbacker Cswy. Miami, FL 33149-1098

From -7245267623589964108
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f2bec5dbeb275ff
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 15:57:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Novice test code requirement... Aga
Message-ID: <30500762@ux1.cso.uiuc.edu>
Date: 9 Oct 90 22:57:00 GMT
References: <121355@<90269>
Lines: 34
Nf-ID: #R:<90269:121355:ux1.cso.uiuc.edu:30500762:000:1366
Nf-From: ux1.cso.uiuc.edu!phil   Oct 9 17:57:00 1990
Posted: Tue Oct 9 23:57:00 1990

> >
>   No question shall have fewer than
> >   one hundred forms possible. Same may have more than a billion.
>
> Great. Eliminate the easy code test, then make the written test harder.
> When I was 12, the code test was easy. It was the written test that
> was intimidating.

The astronomical number of forms of the questions solves the problem of
people memorizing the questions. It does not make the subject harder.

> Phil's posting was eloquent, but very long. Even though it was addressed
> toward me, I am not going to comment on more of it...it's just too long,
>
> I still think it was too bad that the original poster, a newly licensed
> ham, could not post a comment that he thought the code test was no
> big deal, without getting FLAMED.

But remember it was not me that did the original flaming.

Now when you get a posting like this:

> I really started to love CW after I was 'forced' to use it with a
> novice ticket. Actually, I would rather use CW than voice any day.
> It kind of grows on you. Wait till you get a TNC..........
>
> Jeff NR0D

you might find it hard to argue against. I wonder how many hams who
use CW now would have avoided the CW test if that were an option.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 3313110407740862333
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ec9d21e354c50b64
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 15:58:50 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!portal!cup.portal.com!schuster
From: schuster@cup.portal.com (Michael Alan Schuster)
Newsgroups: rec.ham-radio
Subject: Re: R1 and R100
Message-ID: <34690@cup.portal.com>
Date: 9 Oct 90 22:58:50 GMT
References: <1087@digi.lonestar.org>
Organization: The Portal System (TM)
Lines: 16
Posted: Tue Oct 9 23:58:50 1990

>Anyone out there have any information, descriptions, reviews or comments on the
>ICOM's R1 and R100.

I have an R-1. Here is a very brief review:

Convenience, size - excellent
Ergonomics, features - very good
Sensitivity (25-900 mHz) - good to very good
Selectivity - good to poor

The biggest performance problem is the tendency to pick up images of strong
signals exactly 150 or 300 kHz away from the signal you're trying to hear.

PS: It is now with me ALL THE TIME, faults and all.

From -5369667419303363955
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ee81dbde4ee8292b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,ee81dbde4ee8292b,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-09 15:59:09 PST
Path: gmdzi!unido!mcsun!uunet!voa3!eab
From: eab@voa3.UUCP (E. Allen Brown)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: ITU Station 4U1ITU - This Week's Schedule
Message-ID: <46@voa3.UUCP>
Date: 9 Oct 90 22:59:09 GMT
Followup-To: poster
Organization: Voice of America, Washington, D.C.
Lines: 25
Xref: gmdzi rec.ham-radio:15586 rec.radio.shortwave:2372
Posted: Tue Oct 9 23:59:09 1990

This notice was posted on the Voice of America "HamNews" Bulletin Board

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___DEX, THE K3EKA SECRETARY, OPERATING 4U1ITU IN GENEVA

The secretary of the VOA Amateur Radio Club, Dexter Anderson, is in Geneva and he is operating the ITU Club Station, 4U1ITU.

For all you DXers, 4U1ITU is considered a separate country for DXCC purposes.

Dex plans to operate on 10 meters USB on frequencies between 28.400 MHz and 28.416 MHz on October 10, 11 and 12 between 12:30 PM and 1:30 PM EDT.

Sorry for the late notice. Good luck!!

```
--
E. Allen (Al) Brown (VOA/BBC)      WA3FYZ/ZF2LY           Voice of America
Wilber J. Cohen Building, Room G-748                  Broadcast Operations
Washington, DC 20547                             Computer Services Division
...uunet!voa3!eab                                          +1 202-619-2020
```

From -838559250238722369
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 16:02:00 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Message-ID: <30500763@ux1.cso.uiuc.edu>
Date: 9 Oct 90 23:02:00 GMT
References: <30583@netnews.upenn.edu>
Lines: 37
Nf-ID: #R:netnews.upenn.edu:30583:ux1.cso.uiuc.edu:30500763:000:1798
Nf-From: ux1.cso.uiuc.edu!phil   Oct 9 18:02:00 1990
Posted: Wed Oct 10 00:02:00 1990

> > Either the emergency system there is NOT properly setup, or else you have
> > not arranged to have the repeater's phone line automatically route the
> > call to a central dispatcher.
>
> WHAT??!? Let me get this straight....there are different PSAPs serving
> different areas...local calls route to the local PSAP...and Phil claims
> this is not the proper design for a 911 system?
>
> WHAT central dispatcher? Modern 911 systems in large municipalities
> use SELECTIVE ROUTING based upon the phone number.

The same one that cellular calls are routed to. Does your system just route
cellular calls to a random/arbitrary jurisdiction? Cells don't align with
the jurisdictions unless we have solved some problems in the physics of
radio waves I have not heard of.

> > You should at least make sure that the dispatching computer knows the number
> > of the repeater, and brings up instructions to the dispatcher for all calls
> > coming on in that number to explain that it is coming in over a wide area,
> > and that it is operating via radio. That avoids having to explain all this
> > to the dispatching during the call.
> >
>
> We didn't get any response when we asked the local 911 PSAP (Public Safety
> Answering Point) to modify the ALI (Automatic Location Identification)
> database. So we programmed the repeater controller to dial the 7 digit
> equivalent when it hears 911, which eliminates any ANI/ALI.

What 7 digit equivalent? Where does it go to?

It definitely sounds like there is a management problem there. Maybe you
could get better response through the local TV media. They eat stories
like that for lunch.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 3946275588333788990
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7ba1b104af081a8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 16:16:17 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!wuarchive!usc!chaph.usc.edu!aludra.usc.edu!kjh
From: kjh@aludra.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and intermodulation.
Message-ID: <12425@chaph.usc.edu>
Date: 9 Oct 90 23:16:17 GMT
References: <40562@cci632.UUCP> <1990Oct8.202738.3221@swbatl.sbc.com> <40586@cci632.UUCP>
Sender: news@chaph.usc.edu
Organization: EE-Systems, USC, Los Angeles
Lines: 6
Posted: Wed Oct 10 00:16:17 1990
Nntp-Posting-Host: aludra.usc.edu

In article <40586@cci632.UUCP> cep@ccird7.UUCP (Christopher E. Piggott, WZ2B) writes:
>> It's not unusual for a paging company in a metro. area to run 15 or
>> 20 transmitters all belching out 250 Watts in simulcast.
>Wow, I had no idea ... how does this work?

The transmitters are NOT on the same frequency.

From -5230675314477153265
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56695760eb180348
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 16:17:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was
Message-ID: <30500764@ux1.cso.uiuc.edu>
Date: 9 Oct 90 23:17:00 GMT
References: <80505@<1990Oct8>
Lines: 28
Nf-ID: #R:<1990Oct8:80505:ux1.cso.uiuc.edu:30500764:000:1456
Nf-From: ux1.cso.uiuc.edu!phil   Oct 9 18:17:00 1990
Posted: Wed Oct 10 00:17:00 1990

>   BUT... any equipment used on police or other non-amateur
> frequencies MUST BE type accepted. Using modified ham gear outside
> the ham bands is ILLEGAL, no matter how many public-spirited EMTs and
> others are carrying them on their belts.

* 97.403 Safety of life and protection of property.
*
* No provision of these rules prevents the use by an amateur station of
* any means of radiocommunication at its disposal to provide essential
* communication needs in the connection with the immediate safety of human
* life and immediate protection of property when normal communication
* systems are not available.

As I read this rule, it tells me that my amateur station (and it remains
in the amateur service) is not prevented by other rules (such as limits
on frequency or power) for radio communications under specific circumstances
it mentions.

So my radio is not type-accepted. It does not need to be type-accepted in
order to EXIST. That requirement applies to use in the Land Mobile service.
If it is there, it falls under "any means of radiocommunication". If the
other "normal communication systems" are not available (e.g. no cellphone
here, and no repeater locally that has an autopatch), that that fits another
requirement. Of course there must be a real emergency, too.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -1416629106962231612
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,441190ff4c9e00fc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 16:18:00 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: This whole Code Test Thing
Message-ID: <30500761@ux1.cso.uiuc.edu>
Date: 9 Oct 90 01:33:00 GMT
References: <9010081445.AA13551@ucsd.edu>
Lines: 7
Nf-ID: #R:<9010081445.AA13551@ucsd.edu>:-29:ux1.cso.uiuc.edu:30500761:000:313
Nf-From: ux1.cso.uiuc.edu!phil   Oct 8 20:33:00 1990
Posted: Tue Oct 9 02:33:00 1990

Another thing to try, and this might also add evidence to your case against
a particular VE or VEC, is get tested by another VE/VEC. Not all of them
are bad.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 895586861663534272
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,56695760eb180348
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 16:19:45 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!ousrvr!ousrvr!luru
From: luru@stekt.oulu.fi (Ari Husa OH8NUP)
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was
Message-ID: <LURU.90Oct10001945@stekt.oulu.fi>
Date: 9 Oct 90 23:19:45 GMT
References: <70.27121FBD@rochgte.FIDONET.ORG>
Sender: news@ousrvr.oulu.fi
Organization: The Buffalo Club
Lines: 24
Posted: Wed Oct 10 00:19:45 1990
In-reply-to: David.Stark@f218.n260.z1.FIDONET.ORG's message of 9 Oct 90 02:39:29 GM

In article <70.27121FBD@rochgte.FIDONET.ORG> David.Stark@f218.n260.z1.FIDONET.ORG (David Stark) writes:

> Of course, the police agency would immediately dispatch someone
> to your stated location anyway just to find out why you are on their
> radio system.

You're probably right.

> BUT... any equipment used on police or other non-amateur
> frequencies MUST BE type accepted. Using modified ham gear outside
> the ham bands is ILLEGAL, no matter how many public-spirited EMTs and
> others are carrying them on their belts.

Right again. But mere OWNING or CARRYING such radio is not a violation. And the regulations (I guess that is a law, even), state that in case of emergency etc. every citizen is REQUIRED to do anything that can be done (with the exception of putting oneself in great danger) to save a human live or considerable amount of public or private property.

Your bias may be different. To us, people's lives come first, not the rules.

Luru

From 5401372431445591218
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 16:54:25 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!wuarchive!zaphod.mps.ohio-state.edu!rpi!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio

Subject: Re: type acceptance
Message-ID: <12540@crdgw1.crd.ge.com>
Date: 9 Oct 90 13:12:16 GMT
References: <9010082140.AA18619@tilde>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 29
Posted: Tue Oct 9 14:12:16 1990
In-reply-to: dube@cpdvax.csc.ti.com

In article <9010082140.AA18619@tilde>, dube@cpdvax writes:
>
>In the U.S., Ham gear does not require type acceptance, whether it is to
>be sold or not. This assumes, of course, that the equipment will *only*
>be used in the amateur service.

BZZZT! Wrong answer. Commercially produced HF linear amps have to be type accepted. The odd criterion for acceptance is that it can't work on 10 meters, or be easily adapted for 10 meters.   Too many 10 meter amps were ending up on 11 meters.

"Easily modified" seems like a fuzzy term. I think it refers to amps whose instructions might read:

"Warning! To maintain type acceptance, do NOT remove the bright orange tab on the bandswitch that prevents rotation to the 10/11 meter position!"

Hams can still build their own amps without type acceptance, but not more than one per year. They are also free to modify the "not easily modified" amp to run on 10 meters, but that may count towards their annual quota.

-don perley - ke2tp

perley@trub.crd.ge.com

From -1784299044413896239
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98345fef2d6ff52
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 17:17:36 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!orion.oac.uci.edu!eaiu063
From: eaiu063@orion.oac.uci.edu (Byon Garrabrant)
Newsgroups: rec.ham-radio
Subject: Yaesu 411E Mods
Message-ID: <27118D83.16243@orion.oac.uci.edu>
Date: 9 Oct 90 08:42:43 GMT

Reply-To: eaiu063@orion.oac.uci.edu (Byon Garrabrant)
Organization: University of California, Irvine
Lines: 11
Posted: Tue Oct 9 09:42:43 1990

Sorry if anyone has already asked this, but can anyone let me know how to "open up" my new handie? I would prefer email replies. Thanks All!

```
=============================================================================
I may as well be hyper                         | Reply to:
As long as I'm still around                    | ZBMGARRA@uci
Cause I'll have lots of time to be laid back +-----------------------------
When I'm six feet under ground.  - Al Yankovic - I'll Be Mellow When I'm Dead
=============================================================================
```

From 4246393256113628630
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29bf4ec7634cf5aa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 17:18:07 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!whos01.enet.dec.com!elkind
From: elkind@whos01.enet.dec.com (Steven A. Elkind)
Newsgroups: rec.ham-radio
Subject: Re: Performance of QRP/homebrew transmitters and receivers
Message-ID: <15897@shlump.nac.dec.com>
Date: 9 Oct 90 13:52:57 GMT
Sender: newsdaemon@shlump.nac.dec.com
Distribution: rec
Organization: Digital Equipment Corporation
Lines: 18
Posted: Tue Oct 9 14:52:57 1990

In article <1990Sep28.194742.9216@informix.com>, randall@informix.com (Randall Rhea) writes...

>It is quite fun to build your own QRP CW rig. I built a "Tuna Tin 2"
>from the ARRL's "Weekend Projects" book and had a lot of fun with it.

I've looked at this project on and off for quite a while (since the original article was printed, in fact). However, this rig (and several other old projects from the mid- to late-70's) uses a Radio Shack choke that stopped being available almost as soon as the article appeared (either the 10 uH or 100 uH choke, I forget which one; one of these is still available (or was a few months ago). Since all of these articles give modifications in terms of number of turns (and not resulting inductances), the construction info works only for these specific parts.

Does anyone have information on the resulting inductances, or another source (name, part number) for the same parts?

tnx de KB1RB/2

From -326056192606967989
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e9d5c034acd98f87,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 17:37:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!orion.oac.uci.edu!ucivax!gateway
From: bgarrabr@BONNIE.ICS.UCI.EDU
Newsgroups: rec.ham-radio
Subject: Yaesu 411E mods
Message-ID: <9010090132.aa06445@BONNIE.ICS.UCI.EDU>
Date: 9 Oct 90 08:43:37 GMT
Lines: 10
Posted: Tue Oct 9 09:43:37 1990

Sorry if anyone has already asked this, but can anyone let
me know how to "open up" my new handie? I would prefer email
replies. Thanks All!

```
=============================================================================
I may as well be hyper                          | Reply to:
As long as I'm still around                     | ZBMGARRA@uci
Cause I'll have lots of time to be laid back +------------------------------
When I'm six feet under ground.  - Al Yankovic - I'll Be Mellow When I'm Dead
=============================================================================
```

From -8559171712965794306
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56695760eb180348
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 18:20:02 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!wuarchive!udel!rochester!pt.cs.cmu.edu!o.gp.cs.cmu.edu!andrew.cmu.edu!mh4x+
From: mh4x+@andrew.cmu.edu (Mark Edward Hamill)
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was
Message-ID: <Mb4bR2200WAx0FBEVQ@andrew.cmu.edu>
Date: 10 Oct 90 01:20:02 GMT
References: <70.27121FBD@rochgte.FIDONET.ORG>
Organization: Carnegie Mellon, Pittsburgh, PA
Lines: 29
Posted: Wed Oct 10 02:20:02 1990
In-Reply-To: <70.27121FBD@rochgte.FIDONET.ORG>

Note that this sort of thing is encouraged (or at least allowed) between
certain agencies.

One example that I know of in NYC where

1) NYC-EMS radio's are equipped with the police frequencies for the surrounding areas (the new sabers are equipped with the entire city)
2) EMS units that do not have police bands on their radios can go to the local police station and sign out a radio.
3) NON-OFFICIAL AMBULANCES (such as volunteers) can go to the station and sign out radios.

This provides for a faster response to most ambulance calls (as with the exception of during police emergencies, where no other calls are put out, the police dispatchers are always ahead of the EMS dispatchers) and also allows for quick multiple agency notification in case things get hairy.

The units are generally identified as just "EMS" on the air, with no specific unit mentioned. This is generally true of the Volunteers also.

Another possible way to get intouch with the dispatcher is to use the notation "XXX Portable" where XXX is the police precinct where the event is happening (assuming you are on the correct frequency).

While the above methods do work, they are not really intended for civillian use.

Mark Hamill
mh4x@andrew.cmu.edu

From 3031249692810370398
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,441190ff4c9e00fc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 18:24:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!sun-barr!newstop!sun!amdcad!mozart.amd.com!positron!brian
From: brian@positron.amd.com (Brian McMinn)
Newsgroups: rec.ham-radio
Subject: Re: This whole Code Test Thing
Message-ID: <1990Oct10.012405.25891@mozart.amd.com>
Date: 10 Oct 90 01:24:05 GMT
References: <9010081445.AA13551@ucsd.edu>
Sender: usenet@mozart.amd.com (Usenet News)
Reply-To: brian@positron.AMD.COM (Brian McMinn)
Organization: Advanced Micro Devices, Inc., Austin, Texas
Lines: 24
Posted: Wed Oct 10 02:24:05 1990

(Michael Harpe) writes:

| All Part 97 specifies is that you have to do it by ear. Not words,
| not letters, just hear it and interpret it. The method is up to
| you.

[enter add-to-stupid-discussion mode :-]

I thought the actual exam requirements were to be able to send
>AND RECEIVE< Morse code. Two questions:

1) Should we sue all VE's who fail to verify ability to send :-) ?

2) Could a VE flunk you on Morse if you couldn't send? (I'm assuming
that someone who doesn't know ALL of the characters would be unable to
send "ZJXFL/?" at ANY speed.)

[exit add-to-stupid-discussion mode :-] :-) :-) :-)

```
--
   Brian McMinn                  brian.mcminn@amd.com
   Advanced Micro Devices        N5PSS
   Austin, Texas                 1-(512)-462-5389
"You can't leap a chasm in two jumps."
```

From -342562900767157891
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a511f70163af59f9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 18:35:00 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!
phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: NEW CANADIAN LICENSING STRUCTURE--T
Message-ID: <30500765@ux1.cso.uiuc.edu>
Date: 10 Oct 90 01:35:00 GMT
References: <27073@<7213>
Lines: 7
Nf-ID: #R:<7213:27073:ux1.cso.uiuc.edu:30500765:000:356
Nf-From: ux1.cso.uiuc.edu!phil   Oct 9 20:35:00 1990
Posted: Wed Oct 10 02:35:00 1990

So what is the legality of amateur television on the 70cm band under the
new Canadian licensing and regulations? Do they still require you get a
special permit, or has that been removed now or before?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 5941066188594898335
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 19:14:44 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!wuarchive!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)

```
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <8927@helios.TAMU.EDU>
Date: 9 Oct 90 16:32:00 GMT
References: <9010091533.AA02609@tilde>
Sender: usenet@helios.TAMU.EDU
Reply-To: bill@platypus.uofs.edu
Organization: Computer Science Department, Texas A&M University
Lines: 32
Posted: Tue Oct  9 17:32:00 1990
```

In article <9010091533.AA02609@tilde> dube@cpdvax.csc.ti.com writes:
]In <phil@ux1.cso.uiuc.edu> Phil writes:
]
]>Another thing to try, and this might also add evidence to your case against
]>a particular VE or VEC, is get tested by another VE/VEC. Not all of them
]>are bad.
]>
]>--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
]><phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.
]
]Yeah! Like when you're getting your car inspected, and your bald tires won't
]pass. Just keep going until you find an inspection station that will pass it.
]:-)
]
]73   Dube   N5PDK
]
]PS: Has anyone successfully sued an inspection station for failing their
]car???

IMHO it is arguments like this that blow all the credibility that the
PRO CW proponents have (and it isn't much to begin with.) Comparing
writing down the dots and dashes to trying to get a car with bald tires
inspected is just another case of apples and oranges.

How about comparing to an inspection station that says "I won't pass
your car unless it comes thru my doors with the manufacturers paper
stickers still in place on the the tread on all four tires. I don't
care if you just bought them yesterday." I would think you wouldn't
stand for that for a minute. But arbitrary and capricous behavior on
the part of a VE is OK??

bill   KB3YV

```
From -6859400653121959977
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6976de011fcd989,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 19:19:14 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!CMS.CC.WAYNE.EDU!MEDELMA
From: MEDELMA@CMS.CC.WAYNE.EDU (Mike Edelman)
Newsgroups: rec.ham-radio
```

Subject: Toys for Wealthy Hams
Message-ID: <9010091701.AA20703@ucsd.edu>
Date: 9 Oct 90 16:54:39 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Tue Oct 9 17:54:39 1990

I was just playing with a new toy our department bought for cable and line analysis, and I think it's got some real possibilities for amateur use. It's called a Cable Scanner, and it's designed for monitoring and analyzing ethernet, 3270, twisted pair, TV cable and other transmission line systems. While it has a number of functions, the one of interest is its built in TDR function. Playing around with a few spools of thin ethernet and 72 ohm coax, I discovered that the box can accurately locate shorts and open lines; it may even be able to locate impedance bumps; I don't know, as I didn't have the manual.

At $1595 (Inmac list price) it's a bit hefty, but hey, hams have been known to spend that on scopes. I wonder if perhaps there are cheaper models of this sort of box available?
           --mike edelman ke8yy   medelma@cms.cc.wayne.edu medelma@waynest1

From 1862207805647138311
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9a74c4d071faeb2d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 19:21:12 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!leftlane.ucs.dec.com!leadfoot
From: leadfoot@leftlane.ucs.dec.com (Mark Curtis)
Newsgroups: rec.ham-radio
Subject: Re: Request for Info -- AVM on 33 cm band
Message-ID: <1990Oct9.170809.23184@wrl.dec.com>
Date: 9 Oct 90 17:08:09 GMT
References: <9010081355.AA12139@saturn.acc.com>
Sender: news@wrl.dec.com (News)
Reply-To: leadfoot@leftlane.ucs.dec.com (Mark Curtis)
Organization: Digital Equipment Corporation
Lines: 1
Posted: Tue Oct 9 18:08:09 1990

What is AVM? CIA car tracking, or what?

From -59033478450792427
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a846005af4cd8224
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 19:41:32 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!usc!rutgers!att!tsdiag!davet

From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: Code Tset Gimmick. Was: Ham Radio Liscence
Message-ID: <1107@tsdiag.ccur.com>
Date: 9 Oct 90 16:48:53 GMT
References: <1250242@hpnmdla.HP.COM> <1990Sep25.164049.450@mlb.semi.harris.com>
<1990Oct4.093841@ultnix.enet.dec.com>
Organization: Concurrent Computer Corp. Oceanport NJ
Lines: 16
Posted: Tue Oct 9 17:48:53 1990

In article <1990Oct4.093841@ultnix.enet.dec.com> taber@ultnix.enet.dec.com
(Patrick St. Joseph Teahan Taber) writes:
-
-We want volunteers,not vigilantes. If you volunteer to do a job and do it,you
-are deserving of the highest possible praise. If you volunteer to do a job and
-then betray those who trusted you by forcing your personal adgenda on the
-public,you deserve to be sued,flogged,dipped in hog vomit,fried to a crispy
-crunch and hung up as a warning to others who would subvert the volunteer's
-good work.

This fits the politik-vermin on Capitol hill to a tee!!! I'd _love_ to see
some deep-fried congress-critters!

```
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

From 1946477600042891197
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,208246fa6fec5e57,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 20:00:14 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!udel!
rochester!pt.cs.cmu.edu!o.gp.cs.cmu.edu!andrew.cmu.edu!rr2v+
From: rr2v+@andrew.cmu.edu (Robert Rossi)
Newsgroups: rec.ham-radio
Subject: Radios and the blind
Message-ID: <sb4cuy600WB28MtkUT@andrew.cmu.edu>
Date: 10 Oct 90 03:00:14 GMT
Organization: Carnegie Mellon, Pittsburgh, PA
Lines: 11
Posted: Wed Oct 10 04:00:14 1990

I am interested in getting involved with Ham operation.
If any one out there has any information on materials available in braille
I would appreciate it very much if you could let me know.
I know that there are audio tapes out there with some of
the information and would also apreciate any recomendations of these.

Thanks in advance.

Dan Rossi

From 3728794046252156972
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8924141da8b9b38a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 20:16:39 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!wuarchive!zaphod.mps.ohio-state.edu!ub!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was Re:
Message-ID: <73.2712C8BB@rochgte.FIDONET.ORG>
Date: 10 Oct 90 03:16:39 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 21
Posted: Wed Oct 10 04:16:39 1990

> From: bote@csense.uucp (John Boteler)
>
> Yet, all these approches short-circuit the system. In the event
> that there is a need for followup investigation of the incident,
> there is no log tape of your call on the 911 phone system, so
> if you get snafud along the way, you have little recourse.
> Net effect: no better off than calling on the phone.

I don't follow this part. All radio transmissions in a Public Safety system should be taped. I am not aware of any agency in my local area that does not tape radio traffic. Do policies on this differ in other areas?

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From -8680305975411113778
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64164502e12e6517,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 20:23:18 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!rutgers!rochester!

pt.cs.cmu.edu!o.gp.cs.cmu.edu!andrew.cmu.edu!rr2v+
From: rr2v+@andrew.cmu.edu (Robert Rossi)
Newsgroups: rec.ham-radio
Subject: of skydiving and radios
Message-ID: <kb4dEaq00WB2AMtl4v@andrew.cmu.edu>
Date: 10 Oct 90 03:23:18 GMT
Organization: Carnegie Mellon, Pittsburgh, PA
Lines: 28
Posted: Wed Oct 10 04:23:18 1990

I could use some suggestions, comments, or advice.
Does my dream radio system exist?

I am totally blind and happen to be an avid skydiver.
One of the major problems I have encountered over the years has been
with radio systems. I am currently using a police scanner type set up belonging
to the
drop-zone where I jump, but would like to invest in my own gear.

The ideal system would be something like this;
It would have to be somewhat protable, able to be worne inside
a jumpsuit, mounted on the parachute harness across my stomach, or
mounted directly to my crash helmet. As far a size goes, remember that some
jumpers jump with

jumpers jump with video cameras mounted to their helmets.
The radio should be two-way with a voice activated mike
and a speaker that could be mounted inside the helmet.
The mike would have to be able to cancel wind-noise up to about
30mph, this is only to be used once my canopy is opened.
I do not think a freefall system is possible.
The range would have to be no less than 2.5 miles.
And most importantly, it must be very reliable. I have already found myself
several times, under canopy at 2,500ft with no communication
with my ground suport.

Please send any suggestions or information to me here.

Thanks
Dan Rossi

From 2001389918333245302
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,46aaec2233e14012
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 20:24:39 PST
Path: gmdzi!unido!mcsun!uunet!know!sdd.hp.com!zaphod.mps.ohio-state.edu!ub!
uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!
David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: can 2sat do repeater split of 6.46 MHz?

Message-ID: <74.2712C8BD@rochgte.FIDONET.ORG>
Date: 10 Oct 90 03:24:39 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 43
Posted: Wed Oct 10 04:24:39 1990

> From: dt@yenta.alb.nm.us (David B. Thomas)
>
> > Maybe ICOM found a way to keep you from unlawfully using your
> > non-type-accepted amateur equipment to transmit outside the ham bands.
>
> I hate to ruin your day, Stark, but ICOM purposefully designs radios so that a simple mod will allow transmission outside the ham bands. There's money in it, so they do it. My friends and I buy them because of it.

Are you a licensed ham? Does ICOM have any business selling transmitters to you and your friends? Not that they care. You hit the nail on the head when you said "there's money in it, so they do it."

I have always been against the policy that "every volunteer needs a portable." There are a lot of non-licensed EMTs and vollie firefighters running around with modified ham portables on Public Safety frequencies. They and their illegal radios do not belong on the air. I always thought a firefighter's job was to put out fires, not to jabber on his portable radio.

Now we have the folks in this echo claiming that hams should be able to transmit on police channels so they can call for help. That is what telephones, repeater autopatches, fire alarm pull boxes, etc are for. Civilians do not belong on the police radio, therefore they do not need access to equipment that will transmit there.

> Rich Bono, if you are reading, THIS is the kinda guy I was talking about.

For your friend's benefit, THIS kinda guy has extensive Public Safety emergency communications _and_ disaster preparedness experience. The only way the system works under normal or emergency conditions is if everybody stays where they belong.

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From -3187188089278135105

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ec9d21e354c50b64
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 20:31:31 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!apple!mips!max!crisp
From: crisp@mips.COM (Richard Crisp)
Newsgroups: rec.ham-radio
Subject: Re: R1 and R100
Message-ID: <42006@mips.mips.COM>
Date: 10 Oct 90 03:31:31 GMT
References: <1087@digi.lonestar.org> <34690@cup.portal.com>
Sender: news@mips.COM
Reply-To: crisp@mips.COM (Richard Crisp)
Organization: MIPS Computer Systems, Inc.
Lines: 25
Posted: Wed Oct 10 04:31:31 1990

In article <34690@cup.portal.com> schuster@cup.portal.com (Michael Alan Schuster) writes:
>>Anyone out there have any information, descriptions, reviews or comments on th
>e
>>ICOM's R1 and R100.
>
>I have an R-1. Here is a very brief review:
>
>Convenience, size - excellent
>Ergonomics, features - very good
>Sensitivity (25-900 mHz) - good to very good
>Selectivity - good to poor
>
>The biggest performance problem is the tendency to pick up images of strong
>signals exactly 150 or 300 kHz away from the signal you're trying to hear.
>
>PS: It is now with me ALL THE TIME, faults and all.
>

Like they say, "the R1, Don't leave home without it" (I certainly don't)

--
Richard Crisp crisp@mips.com
MIPS Computer Systems !decwrl!mips!crisp
928 Arques MS 2-02 (408) 524-8177
Sunnyvale, Ca 94086

From -422908199555137140
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f41f4d13b579ebd8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 21:08:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!UNCG.BITNET!MOSIER
From: MOSIER@UNCG.BITNET (Steve Mosier)

Newsgroups: rec.ham-radio
Subject: Old Callsigns
Message-ID: <213535CAF65F200D2F@uncg.bitnet>
Date: 9 Oct 90 12:40:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 40
Posted: Tue Oct 9 13:40:00 1990

K6ZH writes:

> When I got my novice in 1963 (gee, how was it back then, Grandpa),
> there were a few WVs still around, a few KNs, and mostly WNs. The
> only grandfathering of calls that I know of was this: if you'd
> held a 1x3 call in one call district and moved to another, you
> could get a 1x3 (of the FCC's choice) in the new district. At
> least this was the case in the mid'60s. Irksome case in point:
> I was WB6DPV. A new ham moved into town from Utah in 1965--his
> call was K7Zsomething. He'd gotten his call AFTER I had. He
> applied for a modification in the 6th district and got W6HJC.
> BUMMER!

I got my novice in 1957 as KN4RMT and upgraded to K4RMT 9 months later. In the early seventies I lived in Maryland and applied for a change of call: I got W3GRG - obviously the calls in 3-land went slower than in 4-land. Now, back in the South, my W3 is rather unique, but I would still kill to get K4RMT back - sure wish I had kept it (it was never reissued). Sigh.

Way back then, if you had been licensed for 25 years and had an Extra-class, you could apply for a 1x2 call. How did you get K6ZH at your tender age?

> Gosh--here I am at age 42 and I can join QCWA! A sobering
> thought....

Gee, I'm 48 and licensed for 33 years. Should I join QCWA? What's it do?

Steve - W3GRG

```
 ____________________________________     ____________________________________
|                                    |   |                                    |
| CLAIMER:   I speak for my employer.|   | DISCLAIMER:  Your mileage may vary.|
|            I'll even speak for you.|   |              You may have rights   |
|____________________________________|   |                     in some states.|
                                         |       Reading this message aloud   |
                                         |              may cause gum disease.|
                                         |  Thinking about its implications   |
                                         |             may cause brain damage.|
                                         |   Worrying about either may lead   |
                                         |          to cardiovascular disease.|
                                         |                                 TS.|
                                         |____________________________________|
```

From 1545313859394902455
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,b1f794f611069b46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 21:54:04 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!elroy.jpl.nasa.gov!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!ryn.esg.dec.com!ultnix.enet.dec.com!taber
From: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Newsgroups: rec.ham-radio
Subject: Re: Ouch! ARRL takes a deeper bite....
Message-ID: <1990Oct9.084838@ultnix.enet.dec.com>
Date: 9 Oct 90 12:48:38 GMT
References: <1396@ke4zv.UUCP> <530022@hpdmd48.boi.hp.com> <530023@hpdmd48.boi.hp.com> <348@ssc.UUCP>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Organization: KC1TD@KB4N.NH.USA.NA.EARTH.SOLAR_SYSTEM.UNIVERSE.MIND_OF_GOD
Lines: 26
Posted: Tue Oct 9 13:48:38 1990

In article <1396@ke4zv.UUCP>, gary@ke4zv.UUCP (Gary Coffman) writes:
[Re: W1AW]
|>...   As to it being a broadcast station, read the article in QST about
|>how the computers fire up the transmitters to BROADCAST their bulletins
|>without monitoring the frequency first. This is my only objection to their
|>operations. There has been debate here before as to the legallity of
|>automated QRM so I won't go into that. Many hams feel the service out
|>weighs the interference. I do too, even though I still think it sets a
|>bad example of poor operating practice.
|>

Likewise, the FCC agrees that the service is legal. In fact, I recall that the FCC has often affirmed that the ARRL is on solid ground by running their transmissions and has even opined that people who run "right of navigation exercises" by transmitting on top of the W1AW bullens/code practice are subject to being cited for bad operating practices. Their reasoning was that the ARRL is recognized internationally as the "national radio society" for the US and that the W1AW schedule is very well publicized.

--
>>>==>PStJTT
Patrick St. Joseph Teahan Taber

My employer doesn't care what I think. I, in turn, don't care what
you think. You probably don't care what my empolyer thinks. Thus is
life a circle.

From -4204563984341369058
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 22:48:17 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!cpdvax.csc.ti.com!dube

From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9010091533.AA02609@tilde>
Date: 9 Oct 90 15:33:02 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Tue Oct 9 16:33:02 1990

In <phil@ux1.cso.uiuc.edu> Phil writes:

>Another thing to try, and this might also add evidence to your case against
>a particular VE or VEC, is get tested by another VE/VEC. Not all of them
>are bad.
>
>--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
><phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

Yeah! Like when you're getting your car inspected, and your bald tires won't pass. Just keep going until you find an inspection station that will pass it. :-)

73   Dube   N5PDK

PS: Has anyone successfully sued an inspection station for failing their car???

From 7087668132989824984
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e9f9ac68b8727e82,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 23:03:54 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!decwrl!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: -- GEOMAGNETIC STORM ALERT --
Message-ID: <901010000354.24001599@HG.ULeth.CA>
Date: 10 Oct 90 06:03:54 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 214
Posted: Wed Oct 10 07:03:54 1990

****
*** GEOMAGNETIC STORM ALERT ***
****

Issued: 23:45 UT, 10 October

Attention:

At approximately 23:57 UT on 09 October, a sudden magnetic impulse (characteristic SSC-type signature) was observed at the magnetic observatory near the University of Lethbridge. At approximately 02:20 UT on 10 October, a Minor Storm level positive magnetic excursion occurred locally. The magnetic field has since been fluctuating at Active to Very Active levels and it is believed that at least Minor Storm level fluctuations may begin at any time. It is not known whether the main phase of the storm has yet begun (or if it will materialize at all), although it is anticipated anytime now. The potential storm intensity is not expected to exceed Minor Storm levels at low and mid latitudes, however activity at higher latitudes (and possibly northern middle latitudes) could reach Major Storm levels over the next 12 to 24 hours if the storm reaches maturity.

Radio propagation conditions are expected to be Very Poor over high latitude paths. Paths particularly susceptible will be those which pass through or near the auroral zone, which may shift southward over the period due to the storm conditions. Southern middle latitudes and low latitudes should maintain Fair to Good propagation conditions throughout the period, provided this activity does not exceed anticipated levels. Fading will be more pronounced on most HF frequencies and may be quite severe over high latitude paths. High latitude paths can also expect increased signal absorption due to auroral activity. Some auroral propagation may be possible over higher latitudes where auroral activity is more pronounced.

Auroral activity will reach High levels over high latitude paths and will be visible from northerly middle latitude locations. Mostly moderate activity should prevail at middle latitude locations. Low latitudes will, unfortunately be unable to witness the auroral activity unless storm levels become significantly more severe than currently anticipated. An additional alert will be posted if activity exceeds levels currently anticipated.

The following forecast charts have been modified to reflect the recent increased geomagnetic and auroral activity:

REVISED FORECAST OF GEOMAGNETIC ACTIVITY

```
    ________________________________________________________________________
   |  EXTREMELY SEVERE |   |   |   |   |   |   |   |   |   |   | VERY HIGH! |
   | VERY SEVERE STORM |   |   |   |   |   |   |   |   |   |   | HIGH       |
   |      SEVERE STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MAJOR STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MINOR STORM |   |   |   |** | * |   |   |   |   |   | LOW        |
   |       VERY ACTIVE |   |   |   |***|***| * |   |   |   |   | NONE - LOW |
   |            ACTIVE |   |   |   |***|***|***|* *| * |   |   | NONE       |
   |         UNSETTLED |   |   | xx|***|***|***|***|***|***|***| NONE       |
   |             QUIET |xxx|xxx|xxx|***|***|***|***|***|***|***| NONE       |
   |        VERY QUIET |xxx|xxx|xxx|***|***|***|***|***|***|***| NONE       |
   |-------------------|---|---|---|---|---|---|---|---|---|---|------------|
   | Geomagnetic Field |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|  Anomaly   |
   |    Conditions     |       Given in 8-hour intervals       | Intensity  |
   |_______________________________________________________________________|
```

```
NOTES:
       x = Actual geomagnetic activity which occurred over the past several
           days.  Sunday on the chart represents 07 October.
       * = Predicted geomagnetic activity for the remainder of the period.
```

REVISED RADIO PROPAGATION CONDITION FORECAST

```
                              High Latitude Paths
            _______________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |   |   |   |   |   |   |   |   |   |   |
           |           GOOD |   |   |   |   |   |   |   |   |   |   |
           |           FAIR |  x|   |   |   |   |   |   |   |   |   |
           |           POOR |xx |xxx|xxx|   |   |  *|* *|***|***|***|
           |      VERY POOR |   |   |   |*  | **|** | * |   |   |   |
           | EXTREMELY POOR |   |   |   | **|*  |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Each Line Represents 8-Hours      |
            -------------------------------------------------------

                             Middle Latitude Paths
            _______________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |xxx|xxx|xxx|   |   |   |   |   |  *|* *|
           |           GOOD |   |   |   |   |   |   |* *|***|** | * |
           |           FAIR |   |   |   |*  |* *|***| * |   |   |   |
           |           POOR |   |   |   | **| * |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Each Line Represents 8-Hours      |
            -------------------------------------------------------

                               Low Latitude Paths
            _______________________________________________________
           | EXTREMELY GOOD |   |xx |   |   |   |   |   |   |   |   |
           |      VERY GOOD |xxx|  x|xxx|   |   |   |* *|***|***|***|
           |           GOOD |   |   |   |  *|***|***| * |   |   |   |
           |           FAIR |   |   |   |** |   |   |   |   |   |   |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Each Line Represents 8-Hours      |
            -------------------------------------------------------
```

NOTES:

x = Actual propagation conditions which occurred over the past several days. Sunday on the chart represents 07 October.

* = Predicted propagation conditions for the remainder of the period.

REVISED AURORAL ACTIVITY FORECAST

```
                     High Latitude Locations
  ________________________________________________________
 | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
 |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
 |           HIGH |   |   |   | **| * |   |   |   |   |   |
 |       MODERATE |   |   |   |***|***|***| * |   |   |   |
 |            LOW |   |   | x |***|***|***|***|***|***| * |
 |    NOT VISIBLE |xxx|xxx|xxx|***|***|***|***|***|***|***|
 |----------------|---|---|---|---|---|---|---|---|---|---|
 |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
 |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
  --------------------------------------------------------

                   Middle Latitude Locations
  ________________________________________________________
 | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
 |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
 |           HIGH |   |   |   |   |   |   |   |   |   |   |
 |       MODERATE |   |   |   |***| * |   |   |   |   |   |
 |            LOW |   |   |   |***|***|***| * | * |   |   |
 |    NOT VISIBLE |xxx|xxx|xxx|***|***|***|***|***|***|***|
 |----------------|---|---|---|---|---|---|---|---|---|---|
 |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
 |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
  --------------------------------------------------------

                      Low Latitude Locations
  ________________________________________________________
 | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
 |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
 |           HIGH |   |   |   |   |   |   |   |   |   |   |
 |       MODERATE |   |   |   |   |   |   |   |   |   |   |
 |            LOW |   |   |   |   |   |   |   |   |   |   |
 |    NOT VISIBLE |xxx|xxx|xxx|***|***|***|***|***|***|***|
 |----------------|---|---|---|---|---|---|---|---|---|---|
 |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
 |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
  --------------------------------------------------------
```

NOTES:

x = Actual auroral activity which occurred over the past several days. Sunday on the chart represents 07 October.

* = Predicted auroral activity for the remainder of the period.

SUMMARY OF ACTIVITY TO 05:50 UT ON 10 OCTOBER

The geomagnetic field continues to fluctuate at Active levels, interspersed with periods of Unsettled activity. It is possible this activity may only be momentary and may not attain a storm classification. However, it is still believed that the geomagnetic field will maintain Active to Very Active conditions with sporatic bursts of Minor Storming. If this activity should materialize into a full fledged major event, an additional alert will be posted.

Please send any reports of degraded radio conditions as well as sightings of auroral activity to the address below. Please include a brief description of the type of conditions observed, your location (approximate latitude/longitude) and the time of the observation(s) in Universal Time.

If reporting degraded radio propagation conditions, please specify the path(s) attempted and the type of interference encountered (ie. strong fading, complete blackout, rapid fading, strong noise, strong signals, etc).

If reporting auroral sightings, please attempt to describe the type of auroral activity observed, it's dominant location in the sky, and approximately how bright the auroral activity was as well as anything else noteworthy (ie. visible pulsations, color fluctuations, etc.). If reporting auroral sightings, it would also be appreciated if you could state the local time that the observations were made, as well as the Universal Time of the observation.

ALSO, if any of you experience local power outages which you can be relatively sure were not caused by thunderstorms, PLEASE report them with information regarding the length of the outage, whether it was only momentary (ie. a few seconds) as well as the time of the event in both local time and Universal Time.

All reports will be used to improve forecast accuracy. Reports will also be used in impact analysis research which will also aid in improving forecasts. To all those who send in reports, thanks very much!

Send all reports to: std_oler@hg.uleth.ca

```
--
 _________________________________________________________________
| Cary Oler                     |  "easy = problem + brains - work" |
| Solar Terrestrial Dispatch    |              --------             |
| Impact Analysis Research      |  INTERNET:  std_oler@hg.uleth.ca  |
| University of Lethbridge      | .. All I want for xmas is a PCA.. |
 -----------------------------------------------------------------
```

```
From -4066036095203602370
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1990-10-09 23:26:59 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!agate!shelby!portia.stanford.edu!jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: (none) (really: STS35)
Message-ID: <1990Oct10.062659.26428@portia.Stanford.EDU>
Date: 10 Oct 90 06:26:59 GMT
References: <1990Oct4.191850.24371@portia.Stanford.EDU> <4145@altos86.Altos.COM>
<memo.468039@lynx.northeastern.edu> <45339@apple.Apple.COM>
<1990Oct4.091518@ultnix.enet.dec.com> <1990Oct5.091219@ultnix.enet.dec.com>
Sender: news@portia.Stanford.EDU (USENET News System)
Reply-To: paulf@umunhum.stanford.edu (Paul A. Flaherty)
Organization: The Three Packeteers
Lines: 22
Posted: Wed Oct 10 07:26:59 1990

In article <1990Oct5.091219@ultnix.enet.dec.com> taber@ultnix.enet.dec.com
(Patrick St. Joseph Teahan Taber) writes:
>I guess I missed the part where we decided that North America was the Universe.
>Regardless of what part of the planet the shuttle is over, it will not be taking
>calls from J. Random Ham. Neither is there a moral or leagal obligation for
>them to work hams when they are in range of North America. As Patty Winter
>points out, there is no reason they can't; they're just not scheduled for it.
>All the voice contacts we know about will be by sked, and that is not
>brain-dead, it's just their choice.

1. Please stop taking me out of context and mixing quotes, Patrick. I never said that the current arrangement is "brain dead". In fact, I think that reserving slots for the schoolkids is a very good idea.

2. Ron will indeed be taking calls from "J. Random Ham", but only as time permits. In any event, chances are you'll wind up with the robot.

3. My only substantial grievance here is that the slot allocations were not publicized, to allow the rest of us to schedule around them.

-=Paul Flaherty, N9FZX | Life is an inherent shift - reduce conflict.
->paulf@shasta.Stanford.EDU |

From -6696952879896679919
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64164502e12e6517
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 23:41:27 PST
Path: gmdzi!unido!mcsun!uunet!fernwood!catnip!hank
From: hank@catnip.berkeley.ca.us (Hank Roberts)
Newsgroups: rec.ham-radio
Subject: Re: of skydiving and radios
Message-ID: <144@catnip.berkeley.ca.us>
Date: 10 Oct 90 06:41:27 GMT

References: <kb4dEaq00WB2AMtl4v@andrew.cmu.edu>
Organization: The People's Number Four Cat Farm, Berkeley CA, USA
Lines: 18
Posted: Wed Oct 10 07:41:27 1990

As to voice-activated microphones, we hang gliding folks have tried out a lot of different 2-meter radios in the past few years, and the only VOX that is not oversensitive to wind noise is the Yaesu brand voice-activated microphone. We're dealing with wind speeds from 20 to 40 miles an hour or so.

It may be simpler to use a push-to-talk switch.

You can mix brands, the VOX or PTT does not necessarily have to be the same brand as your radio. Make sure they work together of course!

x
x
x
x
x
x

From -3602842939500306830
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a33922c490460,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 23:44:16 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!ogicse!cs.uoregon.edu!
oregon.uoregon.edu!jeffh
From: jeffh@oregon.uoregon.edu (Jeff Hite)
Newsgroups: rec.ham-radio
Subject: Software for Mac
Message-ID: <1990Oct9.174602.18179@cs.uoregon.edu>
Date: 9 Oct 90 17:46:02 GMT
Sender: news@cs.uoregon.edu (Netnews Owner)
Organization: Computing Center, University of Oregon
Lines: 19
Posted: Tue Oct 9 18:46:02 1990

Does anyone know of any satellite tracking software for the Mac family? I never see any in the periodicals and haven't heard of any. While I'm posting this I would be interested in any radio related software for the Mac.

Thanks,

Jeff Hite
Computer Technician
Computing Center
U of Oregon

Eugene,OR 97403
Phone: 503.346.4403
Internet: jeffh@oregon.uoregon.edu
Bitnet: jeffh@oregon
AppleLink: U1011
Radio: KF7SZ
Disclamer: Any semblance of statements made here to reality are directly proportional to the uncertainty principle.

From -4111710686286822766
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8aae1eed5a248b53,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 00:37:15 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!watserv1!ria!uwovax!51160_1477
From: 51160_1477@uwovax.uwo.ca
Newsgroups: rec.ham-radio
Subject: NEW CANADIAN STRUCTURE--SOME GOOD NEWS!
Message-ID: <7340.2711d814@uwovax.uwo.ca>
Date: 9 Oct 90 18:00:51 GMT
Lines: 35
Posted: Tue Oct 9 19:00:51 1990

I was concerned to read the postings about our new licensing structure.

The following information was obtained from our Department of Communications enforcement officer today:

1. NO PERMIT WILL BE NEEDED BY US AMATEURS TO OPERATE IN CANADA although other foreign hams will need a permit rather than simply a letter of

authorization as is now the case.

2. The deregulation of the subbands has been planned for many months as part of their plan to achieve more amateur self regulation.

3. Basic licensees will not be able to use commercial equipment modified for the ham bands. However, since commercial gear is very expensive, this shouldn't be too big a deal. It would just mean going for a higher level of license if it was important.

4. The question of POSSESSING either more powerful equipment or equipment that will transmit outside of the ham bands remains unchanged. They are not concerned unless you TRANSMIT with it. Besides, they have more serious problems that looking for hams with this type of equipment and will only be concerned if there is a complaint.

5. Tower approval will have to be sought from local authorities but this does not have to be a permit or license unless the municipality so designates. They are looking for more responsibility from radio operators to ensure that antenna supporting structures are reasonable

in appearance as well as technically sound.

Hopefully this helps to clarify some of the points and presents a more positive view of what (generally speaking) is an excellent improvement for the amateur community.

Dave Colvin
VE3ZDC
PPDDC@UWOCC1.UWO.CA

73'S FOR NOW.

From -7298002489921335562
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f33e388dc8c722c0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 00:42:09 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!LONEX.RADC.AF.MIL!szarekw
From: szarekw@LONEX.RADC.AF.MIL (William J. Szarek)
Newsgroups: rec.ham-radio
Subject: Alinco DR-590T
Message-ID: <9010091832.AA29639@lonex4.radc.af.mil>
Date: 9 Oct 90 18:32:40 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 52
Posted: Tue Oct 9 19:32:40 1990

I just picked up a brand new Alinco DR-590T and have had some problems that I would like to share with you all out there in ham-net land. Maybe someone out there can help me with a couple of these problems.

1, I got this unit because of all the cool features it is supposed to have, including cross-band repeat. The instruction manual does not even mention this feature. After calling Alinco I found that this was a feature functions only after modification. They said (more than a week and a half ago) that they would send me the modification instructions. I haven't heard anything from them.

2, The Autodialer (an option for the 590E according to page 13 of the manual) did not work as in the insturctions. Another call to Alinco and I found that it is also an option in the 590T. On page 19 it was pointed out to me is a note to this effect. These instructions are also unclear. Anyway I went out and purchased the required DTMF unit and installed it. Now I can store the numbers in the autodialer's memories, however I cannot get the rig to autodial any number except the number stored in memory #1. I have tried every possible interpretation of the directions on page 13 of the manual and had no success. Another call to Alinco . . . they told me that they knew that the manual was written in jinglish (japanese/english) and was hard to understand. They said that they would send me a complete manual written by someone who spoke english as their primary language. I asked them why this manual was not provided with the rig and they said that it was free to anyone who asked for it ?!?!

3, This rig is supposedly able to receive DTMF codes from another transmitter that will allow remote control of the rig (useful as a very flexible cross band repeater). I have not been able to get this to function on my rig at all. I can only hope that possibly the modification they promised to send me will enable this function or that the new english directions will beable to explain how to make this happen. This function is the main reason I chose this rig since it will allow me to access local repeters from my office via 440 link.

4, The remote page/DTMF squelch function are completely cryptic I hope they are also explained in the english directions.

Anyone with any mods or operation instructions for this rig please let me know. Am I the only one with these problems? Does anyone have any solutions? Is Alinco always this slow? etc.?

I will post a summary when a solution is found
so send responses to me at my address:szarekw@lonex.radc.af.mil

73
-buzz

I will not instigate revolution . . .
                        B. Simpson

From -4583400001398098393
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8b3a22b33c41bc4f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 04:14:56 PST
Path: gmdzi!unido!mcsun!sunic!lth.se!newsuser
From: d89mb@efd.lth.se (Magnus Bodin)
Newsgroups: rec.ham-radio
Subject: FTP of PC-programs
Keywords: ftp, PC-programs
Message-ID: <1990Oct10.091835.24625@lth.se>
Date: 10 Oct 90 09:18:35 GMT
Sender: newsuser@lth.se (LTH network news server)
Reply-To: d89mb@efd.lth.se (Magnus Bodin)
Organization: Institute of Tychology, Sweden
Lines: 13
Posted: Wed Oct 10 10:18:35 1990

As a newcomer to this newsgroup I'd like to re-ask a common question:

Wherefrom can I ftp ham-programs for PC, as QTH-locator-calculations,

list of QTHLOCS/LogLat-positions, etc etc. Computing distances between
Lat/Log or QTH-locs etc etc. ?

Sincerely yours

--
Magnus Bodin   "Nec fasces, nec opes,
Institute of Tychology,   sola artis sceptra perennant"
Box 5127, 220 05 Sweden   (Tycho Brahe, Stj{rneborg 1584)

From 5527507701652693839
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a50ae06947c5cd3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 05:26:52 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!udel!rochester!cornell!uw-beaver!ubc-cs!alberta!aunro!aupair.cs.athabascau.ca!lyndon
From: lyndon@cs.athabascau.ca (Lyndon Nerenberg)
Newsgroups: rec.ham-radio
Subject: Re: NEW CANADIAN LICENSING STRUCTURE--TODAY!!!
Summary: New bandwidth limits
Message-ID: <346@aupair.cs.athabascau.ca>
Date: 9 Oct 90 21:35:27 GMT
References: <7213.27073d37@uwovax.uwo.ca> <331@aupair.cs.athabascau.ca>
Organization: Athabasca University
Lines: 19
Posted: Tue Oct 9 22:35:27 1990

[Can we please dispense with the gun control debate?]

As I mentioned in a previous article, the only restrictions on
emission type under the new Canadian regulations concern signal
bandwidth. According to the DOC, the restrictions are:

```
     Bands below 30 MHz 6 KHz
     50-54 MHz     ? (Forgot to ask)
     144-148 MHz        30 KHz
     220-225 MHz        100 KHz
     430-450, 902-928 MHz   12 MHz
     1.2 GHz and up         Unlimited (you do have to stay inside
                   the amateur allocation, though :-)
```

--
    Lyndon Nerenberg VE6BBM / Computing Services / Athabasca University
        {alberta,cbmvax,mips}!atha!lyndon || lyndon@cs.athabascau.ca

      The only thing open about OSF is their mouth. --Chuck Musciano

From 2168505218137447393
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 06:41:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!agate!linus!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Type acceptance
Message-ID: <109978@philabs.Philips.Com>
Date: 10 Oct 90 13:41:21 GMT
References: <9010082140.AA18619@tilde> <12540@crdgw1.crd.ge.com>
Sender: news@philabs.Philips.Com
Reply-To: rfc@briar.philips.com.UUCP (Robert Casey)
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 8
Posted: Wed Oct 10 14:41:21 1990

Just wondering: Just what is involved in getting a radio "type accepted" anyway? Design it to meet some design rules, like the user can't make it transmit out of band or too much power? Send the design, or even a sample to some FCC test lab? Or just pay an application fee? If cheap enough, and easy enough, someone could get a modified Icom u2AT type accepted. So you EMTs with them would be legal? (didn't think so..),

73 de WA2ISE

From -3197918949768245960
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 07:08:36 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!wuarchive!zaphod.mps.ohio-state.edu!ub!uhura.cc.rochester.edu!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Message-ID: <40615@cci632.UUCP>
Date: 10 Oct 90 14:08:36 GMT
References: <30583@netnews.upenn.edu> <30500760@ux1.cso.uiuc.edu> <358@ssc.UUCP>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 23
Posted: Wed Oct 10 15:08:36 1990

In article <358@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>We didn't get any response when we asked the local 911 PSAP (Public Safety
>Answering Point) to modify the ALI (Automatic Location Identification)
>database.

>Tad Cook

It sounds like they need a little more of a "kick" in the butt to enter the information. I'm not sure which 9-1-1 they've got out your way, but if it's anything like the one I work on (I'm a developer of enhanced 9-1-1 systems), it's got free-form text locations that can be linked to a particular ALI record. I would suggest that you try to bypass the phone company and find out who the administrator of the 9-1-1 system is (it's usually a separate sub-group); he (or she) should be able to manually enter ALI data with you right there on the phone. It's definitely worth the trouble.

Chris/WZ2B

--
I am NOT speaking for CCI, LIFE-911, or STC; all of the above information is free and public.

From 6269111664657637528
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,82e3030288dc7423
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 09:23:21 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!uwm.edu!bionet!apple!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: W1AW Broadcasts
Keywords: actually W1AW
Message-ID: <4204@altos86.Altos.COM>
Date: 9 Oct 90 17:03:51 GMT
References: <38017@ut-emx.uucp>
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 37
Posted: Tue Oct 9 18:03:51 1990

In article <38017@ut-emx.uucp> oo7@ut-emx.uucp (Webster Smogpule III) writes:
}jerry@altos86.Altos.COM (Jerry Gardner NJ6A) complains (I think):
}--------------
}>>Obviously, he means W1AW, which, for most intents and purposes, IS a
}>>shortwave broadcast station that happens to broadcast on ham frequencies
}>>using paid operators.
}-------------

I wasn't complaining, rather, I was merely stating the facts. For the *most part*, W1AW is a broadcast station. There are times when guest operators and staff use it for two-ways, but mostly it's used for bulletin and code practice purposes. It's also a fact that the bulletin and code practice transmissions are conducted by paid operators for whom the ARRL had to get a special dispensation from the FCC.

I think W1AW does serve a useful function (I copy the CW bulletins every night) and should continue. There are those who wish, however, that the

W1AW operators would listen on their transmit frequency before cutting lose with a bulletin or code practice session. I'm not among that crowd, since the W1AW schedule is published well in advance and I *know* exactly when and where they'll come on frequency and will avoid those frequencies.

}There sure are a lot of complainers on this 'ere net - if some of you
}spent as much time reading the license manuals and listening to CW as
}you do complaining about things here, you'd all be Extra class ops by
}now (no offense intended to original poster, who obviously has time to
}do both!).   [add appropriate fraction of a :-)]

Agreed.

--
Jerry Gardner, NJ6A   Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos!jerry   2641 Orchard Parkway
Internet: jerry@altos.com   San Jose, CA 95134
Guns don't kill people, bullets do.   (408) 432-6200

From 1863624308114838047
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,abbc283280e1fc1f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 14:18:12 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!tut.cis.ohio-state.edu!pt.cs.cmu.edu!o.gp.cs.cmu.edu!andrew.cmu.edu!paul+
From: paul+@andrew.cmu.edu (Paul J. Dujmich)
Newsgroups: rec.ham-radio
Subject: TS-940S Mods Wanted
Message-ID: <Mb4kyey00Uh-80m0kw@andrew.cmu.edu>
Date: 10 Oct 90 12:10:18 GMT
Organization: Computing Systems, Carnegie Mellon, Pittsburgh, PA
Lines: 12
Posted: Wed Oct 10 13:10:18 1990

I am trying to put together a collection of TS-940S modifications. If you have something of interest, please E-MAIL me direct. I don't want to clutter up the net with postings. I am looking for news-letters, mods, undocumented info other than whats in the Kenwood service manual. In particular, I would like information about the RS232 port, and the commands that the 940 will accept through the port.

Thanks

Paul
WA3TLD
pauld@fs1.ece.cmu.edu

From -1890564122980912655
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,b1f794f611069b46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 14:18:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
cs.utexas.edu!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!
f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: Ouch! ARRL takes a deeper bite....
Message-ID: <76.27131CFA@rochgte.FIDONET.ORG>
Date: 10 Oct 90 04:29:41 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 20
Posted: Wed Oct 10 05:29:41 1990


 > From: tad@ssc.UUCP (Tad Cook)

 > > or otherwise committing large sums of cash should indeed be proposed to
 > the
 > > membership first.
 >
 > So what was the reaction of your director when you proposed this?  Or did
 > you ever propose it?

      Why should the membership need to "propose" accountability to
the Board?


--
*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*


From 4254306382981640564
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f5a3e62146ad3752,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 14:20:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
cs.utexas.edu!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!
f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: PSAPs
Message-ID: <75.27131CF8@rochgte.FIDONET.ORG>
Date: 10 Oct 90 04:28:12 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
```

Lines: 17
Posted: Wed Oct 10 05:28:12 1990

> From: tad@ssc.UUCP (Tad Cook)
>
> WHAT central dispatcher? Modern 911 systems in large municipalities
> use SELECTIVE ROUTING based upon the phone number.

Not all. Some cities do indeed have ONE dispatch center. Lack of a common central dispatch office is politics, not effective system design.

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From 3038556370669329149
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db96dcdd679c4e46,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 14:26:33 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V90 #296
Message-ID: <8957@helios.TAMU.EDU>
Date: 10 Oct 90 14:18:59 GMT
References: <9010100800.AA23034@ucsd.edu> <9010101401.AA12556@ucsd.edu>
Sender: usenet@helios.TAMU.EDU
Reply-To: bill@platypus.uofs.edu
Organization: Computer Science Department, Texas A&M University
Lines: 22
Posted: Wed Oct 10 15:18:59 1990

In article <9010101401.AA12556@ucsd.edu> jmaynard@THESIS1.HSCH.UTEXAS.EDU (Jay Maynard) writes:
>
>I believe the original poster, who asked how to get his IC-2SAT to do a 6.46
>MHz offset, may well have been trying to use his radio in one of the MARS or
>CAP services, which have inputs and outputs spread across the 2 meter ham band.
>The original flame (from the same FidoNet newbie that I'm responding to) was
>completely uncalled for.
>

It's amazing how little we seem to know about the services that operate around ours. When I saw the 6.46 Mhz split, the first thing that popped into my mind was CAP. I don't know of any other services that use wierd frequencies. I know that MARS is an odd split, but their's is about the minimum they could run and stay out of the ham bands.

On a brighter note, did anyone see the segment on phone-patching from Operation Desert Shield on CNN yesterday evening. It's about time we see a ham on the news in a good light. maybe there is hope for Amateur Radio yet.

bill KB3YV

From -3352123804038516211
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db96dcdd679c4e46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 14:29:30 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!THESIS1.HSCH.UTEXAS.EDU!jmaynard
From: jmaynard@THESIS1.HSCH.UTEXAS.EDU (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V90 #296
Message-ID: <9010101401.AA12556@ucsd.edu>
Date: 10 Oct 90 14:02:08 GMT
References: <9010100800.AA23034@ucsd.edu>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25
Posted: Wed Oct 10 15:02:08 1990

In a recent Digest, someone (my $?%#$% terminal lashup won't let me include the relevant article from here) said that they didn't believe that individual firefighters needed handhelds.

The EMS I belonged to until recently had an ironclad policy: every member had a handheld, and they were not to respond on calls without it, ready to use. This was a safety issue: it was felt that they needed the ability to call for help immediately upon encountering a situation they couldn't handle. This policy saved numerous injuries and other problems. Many progressive fire departments are doing the same for firefighters, for many of the same reasons. You may be certain that my IC-02AT was available for backup to my EMS radio - for if I needed it, it was an emergency situation, and my EMS training taught me to look out for myself first, and damn regulations that get in the way.

I believe the original poster, who asked how to get his IC-2SAT to do a 6.46 MHz offset, may well have been trying to use his radio in one of the MARS or CAP services, which have inputs and outputs spread across the 2 meter ham band. The original flame (from the same FidoNet newbie that I'm responding to) was completely uncalled for.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.

"It's a hardware bug!" "It's a   +-------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_

From -2747904105282290122
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6ff42a6594be937
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 14:30:45 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!zaphod.mps.ohio-state.edu!
wuarchive!cs.utexas.edu!asuvax!ncar!umigw!rsmas!eakin
From: eakin@rsmas.miami.edu
Newsgroups: rec.ham-radio
Subject: Re: Whatever happened to Swan?
Message-ID: <10019.2712e783@rsmas.miami.edu>
Date: 10 Oct 90 13:18:59 GMT
References: <1077@west.West.Sun.COM>
Lines: 26
Posted: Wed Oct 10 14:18:59 1990

In article <1077@west.West.Sun.COM>, flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242) writes:
> Having recently purchased a Swan 500CX, I'm now in need of a manual and
> schematic for the unit. Does anyone have a copy or a repro that they
> would be willing to part with?
>
> I know that Swan is long gone, but does anyone know who purchased them
> or where their old parts stocks went?

Swan was bought by, taken over by or somehow became the same as Cubic Communications, Inc. Cubic continued to produce ham gear for a few years and then switched to production of "government" electronics. They still honor some requests for parts and manuals.

Cubic Communications, Inc.
305 Airport Road
Oceanside, CA 92054
(714)757-7525
Telex: 695435

73 de Mark.

--
C. Mark Eakin
Internet: Eakin@RSMAS.miami.edu
Amateur Radio: N4SYK   Packet Radio: N4SYK@AB4LU.FL.USA.NA
USnail: Univ. of Miami, RSMAS-BLR, 4600 Rickenbacker Cswy. Miami, FL 33149-1098

From -6344582771891865243
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8379367124525ef5
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-10-10 15:36:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcupt1!hprnd!billt
From: billt@hprnd.rose.hp.com (Bill Thomas)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TH-77
Message-ID: <15780008@hprnd.rose.hp.com>
Date: 10 Oct 90 22:36:16 GMT
References: <1990Oct5.041503.4308@smcnet.smc.edu>
Organization: HP Roseville Networks Division
Lines: 5
Posted: Wed Oct 10 23:36:16 1990

The TH-77 is a two band handheld. It will support cross band repeating. It will use all the current TH-25 accessories, e.g. batteries, chargers, except the cases. Advertisements should start showing up in November.

Suggested Price is $599.

From 7416257305364300465
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c42431bc94860997
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 15:46:15 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Novice test code requirement... Again.
Message-ID: <7880312@hpfcdc.HP.COM>
Date: 10 Oct 90 22:46:15 GMT
References: <90269.121355DOW@MAINE.BITNET>
Organization: HP Fort Collins, Co.
Lines: 17
Posted: Wed Oct 10 23:46:15 1990

> ...most anybody can learn code if they try.

Can I twist that a bit? "Most anybody can learn tree climbing if they try." Gosh, that sounds like sufficient rationale for making it a requirement for a ham license. Doesn't it? After all, any decent ham will want to climb a tree to put up an antenna.

Whoa! Many hams have no reason to climb a tree in the pursuit of the hobby. Uh... How many hams need morse code to pursue the hobby?

The issue is NOT whether it is LEARNABLE, but whether it is RELEVANT!

I find code reasonably easy to learn... and to forget if I don't use it... which I don't. I think it's a crummy licensing requirement.
It is NOT RELEVANT.

Alan, N0MFW (recently climbing trees to put up an antenna)

```
From -8215756539613204901
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e55c577a184925cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 16:13:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!samsung!
zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Circuit to add odd offsets to IC24
Message-ID: <7880313@hpfcdc.HP.COM>
Date: 10 Oct 90 23:13:21 GMT
References: <57.UUL1.3#1@vortex.COM>
Organization: HP Fort Collins, Co.
Lines: 19
Posted: Thu Oct 11 00:13:21 1990
```

> I don't own an ICOM, though I've heard they're very good units.

Ditto...

> ...Kenwood TH-75A solved the problem by providing three "special" memory
> locations which can take oddball splits (out of a total of 10).

The Yaesu FT411 does the same for all memory channels. It works the same way. Merely hold PTT while storing the frequency. This is useful, for instance, to store a "safe" (in-band) transmit frequency with various out-of-band receive frequencies. The display shows "-+" (both the "-" and "+" splits) to indicate the oddball situation.

Of course, you can quickly press RPT to turn off the split, same as rotating "-" / "+" / none. Dial off and back to the memory channel, and the split is restored. Nice!

Whatever else people say in derision about my "portable pinball machine radio", it has some good features like this.

```
From -2043455981422043601
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 16:21:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!know!sdd.hp.com!
hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <7880314@hpfcdc.HP.COM>
Date: 10 Oct 90 23:21:02 GMT
```

```
References: <9010082140.AA18619@tilde>
Organization: HP Fort Collins, Co.
Lines: 10
Posted: Thu Oct 11 00:21:02 1990

> ...you *probably would* get in trouble with the FCC for operating
> equipment in a service for which it was not type-accepted...

EXCEPT in emergencies.  Right?

I thought the burden would be on me to prove it was a legitimate
emergency, not to prove the equipment was type-rated, which is
irrelevant in a bona-fide emergency.  Yes?

Alan, N0MFW (owns a potentially illegal HT)


From -660989419712588035
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7ba1b104af081a8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 16:39:12 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!elroy.jpl.nasa.gov!sdd.hp.com!
hplabs!hpcc05!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and intermodulation.
Message-ID: <27080017@col.hp.com>
Date: 10 Oct 90 05:32:02 GMT
References: <05.Oct.90.12:11:22.BST.#3652@UK.AC.NWL.IA>
Organization: HP Colorado Springs Division
Lines: 31
Posted: Wed Oct 10 06:32:02 1990

>/ col:rec.ham-radio / PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC,
Holbrook House, Swindon") /  5:07 am  Oct  5, 1990 /
>It continues to amaze me how the makers of HT's fail to provide them with
>adequate front-end selectivity; i was recently looking to buy a simple (Cheap!)
>2-meter HT, and *NONE* of the various ones i trialled in the dealers seemed
>immune to 'squawks'. It generally seemed that 'the more features, the worse
>the RF performance'. One, which shall remain nameless, suffered terminal
>intermodulation on a 1/4 wave whip.....
>
  [ much 'amateur' HT bashing deleted ]

> Pete Lucas      G6WBJ       PJML@UK.AC.NWL.IA  0793-411613
>----------

  It appears to me that alot of the 'intermod' problems with the
  latest HT's are due to the wide receive frequency range. I have
  noticed a definite difference (sorry no quantitative measurements)
  between my 'old generation' Yaesu and Icom HTs and my Kenwood TH 26.
  I attribute most of this to the extended frequency coverage of the
```

Kenwood (138 to 174 MHz). Although I have not noticed the problem
on my Kenwood TM-231 which has the same receive coverage.

Anyone have similar experiences or maybe even hard data?

```
--------------------------------------------------------------------
Bob Witte              HP Colorado Springs Division
bobw@col.hp.com        P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO  80901
Radio: KB0CY
"Any band, any mode."
--------------------------------------------------------------------
```

From 2835931433606933331
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7ba1b104af081a8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 16:45:07 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: 2M HT's and intermodulation.
Message-ID: <10.Oct.90.10:49:50.BST.#5341@UK.AC.NWL.IA>
Date: 10 Oct 90 09:42:02 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Wed Oct 10 10:42:02 1990

My point is that the designers of HT's should be aware of the presence of
the hostile RF environment, and design their products accordingly.
It would only take a 3-pole helical filter in the front-end to push all the
pager/FM-broadcast/local-police-repeater-on-image-frequency garbage
way down into the weeds... Your local Toko dealer will sell you
very nice filters for 6 dollars one-off cost; presumably Icom, Yaesu etc,
with their purchasing leverage could get them much cheaper;
Make the radio *slightly*   bigger to fit one of these
0.7 by 0.5 by 1.2 inch filters in, if it actiually made the radio usable,
I would happily give up crossband-repeat, 20 memories and scanning if it
got the filters to fit.
Instead, i would have to fit the filter in a small project-box and hang it
on the radio with a length of coax and BNC conns....!

Pete Lucas G6WBJ G6WBJ@GB7SDN.GBR.EU   PJML@UK.AC.NWL.IA 0793-411613

From 3882095275291199049
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f05b3cd1ba0b1ca1,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 17:07:32 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!rochester!cornell!
vax5.cit.cornell.edu!q2tj
From: q2tj@vax5.cit.cornell.edu
Newsgroups: rec.ham-radio
Subject: 2-meter FM & CB info requested
Message-ID: <1990Oct10.125558.338@vax5.cit.cornell.edu>
Date: 10 Oct 90 16:55:57 GMT
Distribution: rec
Lines: 23
Posted: Wed Oct 10 17:55:57 1990

I need some info on 2-meter FM & CB radios for a car (to use if the car should
break along the road

I wish to install it in such a manner that it is easily removable, as my
car is broken into frequently. Perhaps I can power it off the cigarette
lighter.

1) what radio's do you recommend...where can I get good consumer ratings for
   variouse transcievers (this is particulary hard for CB radios---which
   is better, Cobra or Midland)????

2) what about antennas that can be easily removed each time I use the car.
   My car is vandalized regularly, plus, I would like to move the antennas
   to my room (maybe put them on a window sill) and use the radios indoors
   too.

I don't read this news.group regularly, so send me e-mail

Steve

seid@hyperion.ee.cornell.edu

thanks in advance.

From 1008170613957397222
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d8b1cb87786e1750,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 17:29:03 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!
LEAV-EMH.ARMY.MIL!RTDIMO%GOR1
From: RTDIMO%GOR1@LEAV-EMH.ARMY.MIL (Larry Carr)
Newsgroups: rec.ham-radio
Subject: MOD for IC-2sat
Message-ID: <9010101823.AA29385@ucsd.edu>
Date: 10 Oct 90 17:23:06 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6

Posted: Wed Oct 10 18:23:06 1990

The mod to unlock VFO will only work on radios with newer CPU. We tried it at HRO with an early model and it would not work. The one I know it works on has serial number over 010000. How does it receive AM? Beats me. But it does receive commercial aircraft transmissions 118-124 or so. Lots of other stuff on other bands if you want to take the time to search for it. What freq is cellular radio?

From 3073492842419252109
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7ba1b104af081a8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 18:34:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
cs.utexas.edu!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!
f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and intermodulation.
Message-ID: <82.27141A37@rochgte.FIDONET.ORG>
Date: 11 Oct 90 01:34:00 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 23
Posted: Thu Oct 11 02:34:00 1990

> From: kjh@aludra.usc.edu (Kenneth J. Hendrickson)
>
> In article <40586@cci632.UUCP> cep@ccird7.UUCP (Christopher E.
> Piggott, WZ2B) writes:
> >> It's not unusual for a paging company in a metro. area to run 15 or
> >> 20 transmitters all belching out 250 Watts in simulcast.
> >Wow, I had no idea ... how does this work?
>
> The transmitters are NOT on the same frequency.

They are in my neck of the woods. The signals are carefully phased so that the receiver hears what sounds like only one signal without the phase distortion that would normally be caused by multipath reception.

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

```
From 871623844711444247
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56695760eb180348
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 18:38:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!
f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was
Message-ID: <83.27141A39@rochgte.FIDONET.ORG>
Date: 11 Oct 90 01:38:52 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 24
Posted: Thu Oct 11 02:38:52 1990
```

> From: phil@ux1.cso.uiuc.edu
>
> other "normal communication systems" are not available (e.g. no cellphone here, and no repeater locally that has an autopatch), that that fits another requirement. Of course there must be a real emergency, too.

Exactly. But we have gone from the reasonable view of being aware that you can use your transceiver (or anyone else's) outside it's normal legal operating limits in certain kinds of emergency to going out of our way to make the radio capable of being used illegally just in case such an unlikely catastrophe were to occur to us.

A lot of people, with and without ham licenses, have demonstrated a lack of self-discipline as far as not using such capabilities if they have them available when there is no emergency, or when the circumstances do not justify invoking the rule you quoted.

```
--
*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*
```

```
From 6031368755879239436
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56695760eb180348
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 18:42:26 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!
f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
```

Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was
Message-ID: <84.27141A3A@rochgte.FIDONET.ORG>
Date: 11 Oct 90 01:42:26 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 26
Posted: Thu Oct 11 02:42:26 1990

> From: mh4x+@andrew.cmu.edu (Mark Edward Hamill)
>
> Note that this sort of thing is encouraged (or at least allowed)
> between certain agencies.
>
> One example that I know of in NYC where
>   1) NYC-EMS radio's are equipped with the police
> frequencies

[rest omitted]

The salient point here is that this arrangement is by agreement between different Public Safety agencies. It does not apply to civilian radio equipment which happens to be capable of the same type of frequency coverage. The radios are owned by the City of New York, and issued either to NYC-EMS or NYPD.

I note that you made a similar point at the end of your message, so I'm not arguing with you.

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From -6405903444814319340
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56695760eb180348
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 18:46:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!psuvax1!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was
Message-ID: <85.27141A3B@rochgte.FIDONET.ORG>
Date: 11 Oct 90 01:46:50 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 27

Posted: Thu Oct 11 02:46:50 1990

> From: luru@stekt.oulu.fi (Ari Husa OH8NUP)
>
> Right again. But mere OWNING or CARRYING such radio is not a
> violation. And the regulations (I guess that is a law, even), state
> that in case of emergency etc. every citizen is REQUIRED to do
> anything that can be done (with the exception of putting oneself in
> great danger) to save a human live or considerable amount of public or
> private property.
>
> Your bias may be different. To us, people's lives come first,
> not the rules.

My _personal_ bias is the same. However, it is demonstrably true that there are people who feel they MUST find an excuse to use those radios if they have them. If the only time a ham transceiver was used on a police channel (or fire, or EMS) was a true emergency, there would be no problem and no argument. This is just not the case here.

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From 4353232104117574844
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db96dcdd679c4e46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 18:55:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!psuvax1!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V90 #296
Message-ID: <86.27141A3D@rochgte.FIDONET.ORG>
Date: 11 Oct 90 01:55:17 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 53
Posted: Thu Oct 11 02:55:17 1990

> From: jmaynard@THESIS1.HSCH.UTEXAS.EDU (Jay Maynard)
>
> The EMS I belonged to until recently had an ironclad policy:

> every member had a
> handheld, and they were not to respond on calls without it,
> ready to use. This
> was a safety issue: it was felt that they needed the ability to

Your EMS agency had that policy. Fine. The EMS agencies in my area don't have such policies, especially when it comes to PRIVATE ownership of transmitters. In fact, having everybody and his brother equipped with a portable can be an extreme annoyance to central dispatch. It is also a hazard during major incidents, when only a handful of people NEED to be on the air (Triage, Command, Operations, Staging, etc. - not EVERYBODY).

> - for if I
> needed it, it was an emergency situation, and my EMS training
> taught me to look
> out for myself first, and damn regulations that get in the way.

Fine for you. Perhaps YOUR training has taught you something of value, and perhaps YOUR sense of self-discipline will keep you off the PS bands with your ham radio during routine situations. But I invite you to visit the Rochester, NY area sometime and count the modified IC-2s and IC-02s and other rigs by other manufacturers that are being carried AND USED daily by people who are not licensed amateurs. Even the ones who have positions requiring the use of an individual radio have no business utilizing a non-type-accepted ham rig as that radio!

> I believe the original poster, who asked how to get his IC-2SAT to do a 6.46
> MHz offset, may well have been trying to use his radio in one of the MARS or
> CAP services, which have inputs and outputs spread across the 2
> meter ham band.

He specifically stated that he was trying to use a non-amateur repeater. People who want CAP and MARS mods usually say so.

> The original flame (from the same FidoNet newbie that I'm
> responding to) was completely uncalled for.

I disagree strongly. And I don't think 2 years in FidoNet and 7 years in Public Safety communications plus 9 years as a licensed ham qualifies me as a "newbie."

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From 4575096669003949311
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,db96dcdd679c4e46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 18:57:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!psuvax1!rutgers!
rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!
f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V90 #296
Message-ID: <87.27141A3F@rochgte.FIDONET.ORG>
Date: 11 Oct 90 01:57:31 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 20
Posted: Thu Oct 11 02:57:31 1990

> From: billg@cs.tamu.edu (William Gunshannon)
>
> It's amazing how little we seem to know about the services that operate
> around ours. When I saw the 6.46 Mhz split, the first thing that popped
> into my mind was CAP. I don't know of any other services that

I know quite a great deal about services other than amateur radio. I admit to not thinking of CAP, but the person who made the original inquiry did not, in his first or any subsequent message, state that he had any legitimate use for the mod. If he is a CAP member, why not say so?

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From -4459479040754339531
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8aae1eed5a248b53
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 19:04:16 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!ubc-cs!alberta!atha!
aupair.cs.athabascau.ca!lyndon
From: lyndon@cs.athabascau.ca (Lyndon Nerenberg)
Newsgroups: rec.ham-radio
Subject: Re: NEW CANADIAN STRUCTURE--SOME GOOD NEWS!
Message-ID: <358@aupair.cs.athabascau.ca>
Date: 10 Oct 90 17:35:55 GMT
References: <7340.2711d814@uwovax.uwo.ca>
Organization: Athabasca University
Lines: 38

Posted: Wed Oct 10 18:35:55 1990

51160_1477@uwovax.uwo.ca writes:

>The following information was obtained from our Department of Communications
enforcement officer today:

>1. NO PERMIT WILL BE NEEDED BY US AMATEURS TO OPERATE IN CANADA although
>other foreign hams will need a permit rather than simply a letter of

>authorization as is now the case.

Which office did you talk to? The DOC Vancouver office has a completely
different interpretation of this. (Not the first time that's happened.)

>3. Basic licensees will not be able to use commercial equipment modified
>for the ham bands. However, since commercial gear is very expensive, this
>shouldn't be too big a deal.

Are you kidding? Look at the price of a 440 MHz amateur transmitter from
Kenwood/Icom/Yaesu. Now look at the price of the 450 MHz Pye commercial
rigs we picked up for $5 each. (Yes, they work, and come with 120 V
power supplies as well.)

>4. The question of POSSESSING either more powerful equipment or equipment
that will transmit outside of the ham bands remains unchanged. They are
>not concerned unless you TRANSMIT with it. Besides, they have more serious
>problems that looking for hams with this type of equipment and will only
>be concerned if there is a complaint.

I expected a clarification on this was forthcoming. Let's hope all
the DOC offices agree with this interpretation.

As far as monitoring (or enforcement in general) goes, you have to
f*** it up pretty bad before the DOC will even begin to pay attention.
They barely have enough staff to monitor their two "priority: services:
public safety (police, fire, ambulance) and commercial broadcasting.

--
Lyndon Nerenberg VE6BBM / Computing Services / Athabasca University
{alberta,cbmvax,mips}!atha!lyndon || lyndon@cs.athabascau.ca

The only thing open about OSF is their mouth. --Chuck Musciano

From 7965694301895278810
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cae5a440e661b841,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 19:40:41 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!ucbvax!tincan.sawyer.af.mil!scxc3
From: scxc3@tincan.sawyer.af.mil (Michael A. Barnes)
Newsgroups: rec.ham-radio

Subject: Collins S-Line
Message-ID: <9010101921.AA24894@tincan.sawyer.af.mil>
Date: 10 Oct 90 19:21:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 27
Posted: Wed Oct 10 20:21:08 1990

With all the talk of the 75S series and others, I haven't seen on mention of the 51S-1 receiver. Unfoutunately, I don't remember too much about it except that it covered 3-30 mHz with out extra crystals, had all the necessary jacks and connectors on the back for hooking up to another radio (transmitter) and as far as I was concerned at the time, one heck of a fine receiver. I used it with a monopole antenna and another Collins transmitter of URG vintage. That's a long story in and of itself. Anyhow, all this was about 10 years ago, but if I was looking for a Collins receiver, especially for full coverage use, I'd sure look for a 51S-1.

73 and Good Luck,
Michael

```
--
*****************************************************************************
* Michael A. Barnes                    *       K.I. Sawyer AFB, MI         *
* Internet:  LWRCLMR@SACEMNET.AF.MIL     *    Land Mobile Radio Manager      *
* SawyerNet: SCXC3@TINCAN.SAWYER.AF.MIL  *               And                 *
* UseNet:    sharkey!lopez!mabarnes      *    Frequency Management Office    *
* HamNet:    WA7SKG@N8IYB.MI.USA.NA      *                                   *
* Bell Net:  906-346-2811                *                                   *
* DSNet:     472-2811                    *                                   *
* SnailNet:  410 BMW/SCX                 *     Have A Nice AFCC Day, Eh?     *
*            K.I. Sawyer AFB, MI         *                                   *
*                49843-6346              *                                   *
*****************************************************************************
```

From -8078228181283305183
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7ba1b104af081a8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 19:41:31 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!synoptics!swbatl!ken
From: ken@swbatl.sbc.com (Ken Gianino 5-9081)
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and intermodulation.
Message-ID: <1990Oct10.125133.13648@swbatl.sbc.com>
Date: 10 Oct 90 12:51:33 GMT
References: <1990Oct8.202738.3221@swbatl.sbc.com> <40586@cci632.UUCP>
<12425@chaph.usc.edu>
Organization: Southwestern Bell Advanced Technology Laboratory
Lines: 27
Posted: Wed Oct 10 13:51:33 1990

In article <40586@cci632.UUCP> cep@ccird7.UUCP (Christopher E. Piggott, WZ2B) writes:
>> It's not unusual for a paging company in a metro. area to run 15 or
>> 20 transmitters all belching out 250 Watts in simulcast.
>>Wow, I had no idea ... how does this work?

>The transmitters are NOT on the same frequency.

The transmitters <are> on the same frequency for a given system. I've never known anyone to have to change digital pagers as they moved around in one continuous service area.

Our transmitters all have ovenized oscillators so that no two stations ever vary by more than 50 Hz. Some systems use disciplined oscillators linked to an outside source. That takes care of any squealing at the receivers -except for 50 Hz, which can be ignored (like PL). Each transmitter is connected to the paging terminal by a designed (non-switched) circuit. An adjustable audio delay network at each transmitter assures that they all transmit the same bits at the same time. All that is left is bit spreading at the receivers due to the arrival of 15 RF signals from different distances. That helps limit the data rate (given standard +/-5KHz deviation).

There is a <lot> of signal overlap. That is why a maintenance man in sub-basement 3 of a 50 story building still gets his page with reasonable reliability.

-Ken WB0QNA

From -7461313178040272956
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6ff42a6594be937
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 19:51:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcupt1!hprnd!hprmokg!barry
From: barry@hprmokg.HP.COM (Barry Fowler)
Newsgroups: rec.ham-radio
Subject: Re: Whatever happened to Swan?
Message-ID: <29490022@hprmokg.HP.COM>
Date: 10 Oct 90 03:42:14 GMT
References: <1077@west.West.Sun.COM>
Organization: HP Networked Computer Mfg. Operation
Lines: 35
Posted: Wed Oct 10 04:42:14 1990

flloyd@L1-A.West.Sun.COM (Fred Lloyd writes:

>I know that Swan is long gone, but does anyone know who purchased them
>or where their old parts stocks went?

I own a Swan 350C ('bought it new, still use it when I get on the air, works great).

On a local ham swap repeater, someone asked the same question. Swan was a subsidiary of the Cubic Corporation, located in San Diego, Calif. The Cubic Corporation still exists although they are primarily a defense contractor.

This info is about 9 months old but... the Cubic Corp. still supports (presumably to a limited extent) Swan equipment according to the person I spoke to on the net. Their phone number is (619) 757-7525. The person to contact is Chuck Harrell at Ext. 228. Also, a person named Grace at Ext. 243 was mentioned. The info. source was N6DW on the net.

Good luck,
'Great rigs, lotsa power, just tune 'em fast ;-)

Barry M. Fowler   Hewlett Packard Company

Networked Computer Manufacturing Operation - Roseville, California
(can't we think of a shorter name?)

e-mail: barry@hprmokg.rose.hp.com
Verbal: Hey Barry!
R.F. : WB6JZL
NAR : 51644

From 1675367208352910337
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a511f70163af59f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 19:57:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!van-bc!ubc-cs!alberta!atha!aupair.cs.athabascau.ca!lyndon
From: lyndon@cs.athabascau.ca (Lyndon Nerenberg)
Newsgroups: rec.ham-radio
Subject: Re: NEW CANADIAN LICENSING STRUCTURE--T
Message-ID: <360@aupair.cs.athabascau.ca>
Date: 10 Oct 90 19:07:51 GMT
References: <27073@<7213> <30500765@ux1.cso.uiuc.edu>
Organization: Athabasca University
Lines: 12
Posted: Wed Oct 10 20:07:51 1990

phil@ux1.cso.uiuc.edu writes:
>So what is the legality of amateur television on the 70cm band under the
>new Canadian licensing and regulations? Do they still require you get a
>special permit, or has that been removed now or before?

You can emit whatever you bloody well please, as long as you stay
within the band edges, and within the per-band bandwidth limitations.
--
Lyndon Nerenberg VE6BBM / Computing Services / Athabasca University
{alberta,cbmvax,mips}!atha!lyndon || lyndon@cs.athabascau.ca

The only thing open about OSF is their mouth. --Chuck Musciano

From 3328167148149786185
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,65e5a26f006c36d0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 20:00:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!uunet!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: turn down the flamethrower, Tad
Message-ID: <12618@crdgw1.crd.ge.com>
Date: 10 Oct 90 20:04:14 GMT
References: <69.27121FBB@rochgte.FIDONET.ORG> <1990Oct9.200202.20467@swbatl.sbc.com>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 19
Posted: Wed Oct 10 21:04:14 1990
In-reply-to: ken@swbatl.sbc.com (Ken Gianino 5-9081)

In article <1990Oct9.200202.20467@swbatl.sbc.com>, ken@swbatl (Ken Gianino 5-9081) writes:
>>W1AW was just extensively (and expensively) renovated and operates
>>using top-line commercial-grade radio and computer equipment.
>
> The ARRL bought Harris RF-3200 HF radios for W1AW. The 3200 is a new
> design at the <bottom> of the Harris line. They sell for about $3500,
> which is near the top of the "ham" HF price range. Some of their logic was
> that Harris is not likely to drop the radio after 2 years and create a
> spare parts "vacuum".

How is the Harris line defined? If "top of the line" means a megawatt
of output power, then it certainly wouldn't be appropriate for W1AW.

Just out of curiosity, how old was the gear they replaced? Was it
rendered unsuitable because of parts unavailability?

-don perley - ke2tp
perley@trub.crd.ge.com

From -8008348538936O8161
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6ff42a6594be937
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 20:11:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Whatever happened to Swan?
Summary: Old manuals
Message-ID: <363@ssc.UUCP>
Date: 10 Oct 90 04:57:26 GMT
References: <1077@west.West.Sun.COM>
Organization: very little
Lines: 26
Posted: Wed Oct 10 05:57:26 1990

In article <1077@west.West.Sun.COM>, flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242) writes:
>
> Having recently purchased a Swan 500CX, I'm now in need of a manual and
> schematic for the unit. Does anyone have a copy or a repro that they
> would be willing to part with?

You can get a Swan 500CX manual for $12.25 from:

Hi Manuals
P.O. Box 802
Council Bluffs, IA 51502

They don't take personal checks or credit cards. The price includes shipping in the USA. You can get a catalog of manuals for lots of old ham gear for $2.00.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 3412277895231078920
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7ba1b104af081a8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 20:11:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!uunet!

pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and intermodulation.
Summary: FCC regs, "spruious" emissions
Message-ID: <364@ssc.UUCP>
Date: 10 Oct 90 05:05:48 GMT
References: <05.Oct.90.12:11:22.BST.#3652@UK.AC.NWL.IA> <40562@cci632.UUCP>
Organization: very little
Lines: 24
Posted: Wed Oct 10 06:05:48 1990

In article <40562@cci632.UUCP>, cep@cci632.UUCP (co-op) writes:
>
> Yeah, REALLY! There is a local pager that gets into my TH-215 *TERRIBLY*
> making it unbearable to passively listen to one of the local repeaters.
> WHY are these things such a problem? It seems almost universal that they
> throw all kinds of crap everywhere. Numerous letters have been fired off
> by me, but none of these companies have ever responded. Are the FCC regs
> too lax on this type of transmitter?

What makes you think your receiver's problem is caused by transmitted "crap"?
Intermod in your receiver is not caused by spurious emissions. And if you
have your TH215 hooked to any antenna other than the little rubber one that
came with it, the problem will be worse. Probably the paging transmitter
is putting out lots of power, but only on it's assigned frequency.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -5264369770149115032
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 20:12:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!uunet!
pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Summary: type acceptance
Message-ID: <365@ssc.UUCP>
Date: 10 Oct 90 05:12:42 GMT
References: <9010082140.AA18619@tilde>
Organization: very little

Lines: 19
Posted: Wed Oct 10 06:12:42 1990

In article <9010082140.AA18619@tilde>, dube@cpdvax.csc.ti.com writes:
>
> In the U.S., Ham gear does not require type acceptance, whether it is to
> be sold or not. This assumes, of course, that the equipment will *only*
> be used in the amateur service.

Are you SURE? How is it that the FCC restricts 10 meter coverage in
linear amplifiers (even kits!) manufactured for the amateur radio market
then, without the process of type acceptance?

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 3184536454050054119
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f2bec5dbeb275ff
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 22:50:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Re: Novice test code requirement... Aga
Message-ID: <4213@altos86.Altos.COM>
Date: 10 Oct 90 19:19:24 GMT
References: <121355@<90269> <30500757@ux1.cso.uiuc.edu> <357@ssc.UUCP>
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 19
Posted: Wed Oct 10 20:19:24 1990

In article <357@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:

>I still think it was too bad that the original poster, a newly licensed
>ham, could not post a comment that he thought the code test was no
>big deal, without getting FLAMED.

But Tad, don't you realize that it's politically unsound to actually like
the code on this newsgroup? It's almost as bad as if you came out in favor
of off-shore oil drilling or nook-lear energy?

--
Jerry Gardner, NJ6A   Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos!jerry   2641 Orchard Parkway
Internet: jerry@altos.com   San Jose, CA 95134
Guns don't kill people, bullets do.   (408) 432-6200

From 314080771381698156
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ff5dad45075f5d0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-10 23:58:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!uflorida!haven!adm!abc
From: abc@adm.BRL.MIL (Brinton Cooper)
Newsgroups: rec.ham-radio
Subject: COMPUTER, RADIO, PHOTO EQPT
Keywords: computer, radio, radar, projector, command set
Message-ID: <24726@adm.BRL.MIL>
Date: 11 Oct 90 00:13:06 GMT
Organization: Ballistic Research Laboratory
Lines: 47
Posted: Thu Oct 11 01:13:06 1990

RADIO AND COMPUTER EQUIPMENT AVAILABLE

MAKE ME AN OFFER ON ANY ITEM

COMPUTERS:

ALTOS ACS-8000, 4-user MP/M machine with 30 Meg HD, two 8" FDs, console, much software.

RADIO SHACK TRS-80 MODEL I, 3 FDs, OMIKRON Mapper to run unaltered CP/M software, RS-232 interface, RS monitor, tape drive, much software.

ELECTRONICS/RADIO:

Bendix WW II vintage receiver, RA-10 with remote control unit, covers 150-1100KHz, 2-10 MHz.

TS-147D/UP "Radar Test Set," appears to be a signal generator, 850 MHz to just under 1 GHz, pulsed/cw, some parameter adjustments.

COMMAND SETS:

Transmitter: 2.1-3 MHz
Transmitter: 3-4 MHz

Receiver: 3-6 MHz

If you take these, I'll throw in a working Lambda Model 50 regulated power supply, 0-500 VDC plus negative bias and filament supplies, all in one cabinet.

PHOTOGRAPHIC:

GAF autofocus slide projector with cabled remote (compatible with older Sears, Wards, Argus, etc, etc) and many, many slide trays (don't know how many off hand).

CONTACT:

Brint Cooper, K3IIS <abc@brl.mil>

HOME: 301-879-8927
DAYS: 301-278-6883

--
_Brinton Cooper   BRL - Where "Research" is our Middle Name.

From 2745167280231277588
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f08ae3a2d3a10f3c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 00:35:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!udel!princeton!kb2ear!n2aam
From: n2aam@kb2ear.UUCP (Dave Marthouse N2AAM)
Newsgroups: rec.ham-radio
Subject: ACSSB on the amateur bands
Keywords: ACSSB
Message-ID: <19@kb2ear.UUCP>
Date: 11 Oct 90 00:23:30 GMT
Organization: KB2EAR Public Access UN*X System, Kendall Park, NJ
Lines: 8
Posted: Thu Oct 11 01:23:30 1990

I would like to know if there is anyone
who is experimenting using ACSSb on the amateur bands? I know that amsat
a few years back wanted to do experiments using this mode on oscar.
Were the experimentes ever performed and if so what happened?

Dave Marthouse
n2aam@kb2ear.UUCP

From -8979980535508192758
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76d80870ad25da9d

```
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,76d80870ad25da9d
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-11 00:47:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!uunet!
zephyr.ens.tek.com!tektronix!percy!nosun!fpssun!mbn
From: mbn@fpssun.fps.com (Mike Northam ext 2651)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Icom R1 battery charger
Message-ID: <9858@sns4.fps.com>
Date: 10 Oct 90 15:08:39 GMT
References: <15877@shlump.nac.dec.com>
Reply-To: mbn@fpssun.fps.com (Mike Northam ext 2651)
Followup-To: rec.ham-radio
Organization: FPS Computing, Beaverton,OR
Lines: 10
Xref: gmdzi rec.ham-radio:15605 rec.radio.shortwave:2383
Posted: Wed Oct 10 16:08:39 1990

Please excuse if this has been hashed over already, our news has been
down for nearly two months :-(

Any English language translations for the Icom R1 manual?  A cute little
toy, but frustrating not being able to fully utilize it.
--
Mike Northam             mbn@fpssun.fps.com     Home:123 11' 40"W   45 37' 14"N
(503) 641-3151 x2651     {tektronix}!fpssun!mbn
*FPS Computing has a company spokesperson, and it's certainly not me*
"Every now and then things become clear."  Jane Siberry, "The Walking"


From 1908413318255251526
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56695760eb180348
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 01:24:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ub!kitty!larry
From: larry@kitty.UUCP (Larry Lippman)
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was
Summary: Not a good idea, and most likely *not* permitted...
Message-ID: <4096@kitty.UUCP>
Date: 11 Oct 90 02:30:07 GMT
References: <80505@<1990Oct8> <30500764@ux1.cso.uiuc.edu>
Organization: Recognition Research Corp., Clarence, NY
Lines: 68
Posted: Thu Oct 11 03:30:07 1990

In article <30500764@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
> * 97.403  Safety of life and protection of property.
> * No provision of these rules prevents the use by an amateur station of
> * any means of radiocommunication at its disposal to provide essential
> * communication needs in the connection with the immediate safety of human
```

> * life and immediate protection of property when normal communication
> * systems are not available.
>
> As I read this rule, it tells me that my amateur station (and it remains in the amateur service) is not prevented by other rules (such as limits on frequency or power) for radio communications under specific circumstances it mentions.

I interpret the above rule in a different manner.

I believe that this and other amateur radio rules and regulations must be interpreted in the *context* of their application to the amateur radio service. As I see it, the above section relaxes the rules pertaining to amateur radio operation in the event of an emergency, but *only* as they apply to operation within frequencies allocated to the amateur radio service. As an example, in the event of an emergency a novice or technician class licensee could operate using amateur radio frequencies and/or employing power and emission modes which they are not normally entitled to operate.

Therefore, the above referenced rule is not carte blanche permission for an amateur radio operator (in the event of an emergency) to operate a radio station on *any* frequency from DC to light in any manner they so choose. Since the above referenced rule is contained *within* the sections pertaining to amateur radio operation, it could only pertain to those frequencies allocated to amateur radio operation.

In support of my interpretation, consider some wording contained within 47 USC 301 (which relates to general provisions for FCC license requirements): "... no such license shall be construed to create any right, beyond the terms, conditions and periods of the license." Part of what this means is that a license for one service cannot create any rights for operation in *another* service.

I have seen the results of judicial review of other kinds of rules and regulations, and I would bet money that judicial review of the above exemption contained in the amateur radio service rules and regulations would result in a decision on the order of: "Mere possession of a valid amateur radio license, even in the event of an emergency, does not convey a special class or privilege apart from that of other persons not so licensed, as to permit the unlicensed operation in any *other* regulated portion of the radio spectrum."

I realize that there are readers of this newsgroup who will rather vehemently disagree with what I have just stated, but *think* about this question for a moment before replying: Do you really believe it is the *intent* of the FCC that the holder of a novice class amateur radio license be granted some magic privilege to use any part of the radio spectrum they so desire in the event of an "emergency"? If so, where would one draw the line? How about using say, 121.5 or 243.0 MHz to report a traffic accident? That'll get some attention quick-like! If we are to take the "literal" interpretation of the alleged exemption, such frequency usage would be acceptable!

It is my belief that should an amateur radio operator actually utilize a public safety radio service channel without specific prior authorization to report an "emergency", there would be no choice but to make some *considerable* effort to prosecute such amateur radio operator. To fail to make such a prosecution would set a precedent that would no doubt be *very* disturbing to public safety authorities.

```
Larry Lippman @ Recognition Research Corp.  "Have you hugged your cat today?"
VOICE: 716/688-1231   {boulder, rutgers, watmath}!ub!kitty!larry
FAX:   716/741-9635                  {utzoo, uunet}!/      \aerion!larry
```

From 7122353969180379624
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,be48f4218e8774a0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 01:59:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!WSMR-SIMTEL20.ARMY.MIL!LSPRINGSTEEN
From: LSPRINGSTEEN@WSMR-SIMTEL20.ARMY.MIL (Larry L. Springstee)
Newsgroups: rec.ham-radio
Subject: SOFTWARE FOR MAC
Message-ID: <12628814429.19.LSPRINGSTEEN@WSMR-SIMTEL20.ARMY.MIL>
Date: 11 Oct 90 02:29:34 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 39
Posted: Thu Oct 11 03:29:34 1990

Greetings all,
RE:Software for Mac
Jeff Hite writes:

>Does anyone know of any satellite tracking software for the Mac family? I
>never see any in the periodicals and haven't heard of any. While I'm
>posting this I would be interested in any radio related software for the
>Mac.
>
>Thanks,
>
>Jeff Hite

Since you asked, Yes I do and for the price it's a real steal!

It's called MacSat and it's a steal for $10. I've compared the output with the stuff churned out by the mainframe at work and the accuracy is excellent. It allows direct input of NASA 2 CARD ELSETS (found in this same news group) or the painfully slow manual AMSAT format. I have used it with a 512KE, a Plus, a Mac SE and a Mac ll. I haven't heard from thompany in a while (4 months) but I believe it's still in business. The address is listed below.

B E K Delevopment

1732 74th Circle NE
St Petersburg, FL 33702

I used MacSat 1.1.3 on all machines and MacSat2 1.1.3 on the Mac ll.
Give me a shout if there are amy more questions.

Work- (505) 678-1912/1913
Home- (915) 821-3021
e-mail: LSPRINGSTEEN@WSMR-SIMTEL20.ARMY.MIL
Packet: WB8LBZ @ K5WPH-2.NM.USA.NA

73
LARRY

From -7504138700825824 93
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8924141da8b9b38a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 02:24:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!hpsad!mikew
From: mikew@hpsad.HP.COM (Mike Weihman)
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was Re: performance of QRP)
Message-ID: <1530054@hpsad.HP.COM>
Date: 10 Oct 90 20:17:36 GMT
References: <60255@iuvax.cs.indiana.edu>
Organization: HP Signal Analysis Division - Rohnert Park, CA
Lines: 45
Posted: Wed Oct 10 21:17:36 1990

I have used my non-type-accepted ham radio to call a fire dispatcher directly on two occasions that I can remember; once to call in a car vs. bicycle accident with injury, and once to cancel 7 engines that were racing to a wildland fire that had been extinguished. In both cases I was unable to access the local autopatch machine on 2 meters.

I strongly believe tha Part 97.403 fully supports these calls, and I would certainly do it again.

Note that I am VERY familiar with the radio protocol in use on the fire channel (as a legitimate user), and that most of the people on the "other end" know who I am. I have also checked my radio to be within commercial specs for frequency tolerance, off-channel signals, etc., so that I am not causing havoc to other users. I have never followed up a call with reports to the agency and to the FCC, but that wouldn't be a bad idea in the future.

Please be REEAL careful if making a direct call: you can cause more harm than good if you interfere with some other emergency. Remember that almost ALL traffic on these channels is emergency priority. Also take steps to ensure you don't mistakenly key up on a PSA channel thinking it is your favorite repeater... I store fire channels in my radio with the transmit frequency offset to an unused ham channel-- I figure I will need to transmit so infrequently that I can turn off the offset if the need arises. This also deters malicious use by somebody steals my radio (provided I don't wring their little necks first...)

-mike

```
**********************************************************
Mike Weihman                    n1dje:    RACES, CDF-VIP
mikew@hpsadmjw.hp.com
mikew%hpsad@hp-sde.sde.hp.com

Hewlett-Packard Co.             Volunteer firefighter/EMT
Signal Analysis Division        Penngrove Fire Prot. Dist.
1212 Valley House Drive         Penngrove, CA
Rohnert Park, CA 94928
(707)794-4454
**********************************************************
```

From 7738284710971548357
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,581dabc4746e4af5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 03:37:02 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!dgc.ceo.dg.com!Pete_Simpson
From: Pete_Simpson@dgc.ceo.dg.com
Newsgroups: rec.ham-radio
Subject: LO-JACK
Message-ID: <9010101533.AA00046@rtp40.dg.com>
Date: 10 Oct 90 14:33:58 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Wed Oct 10 15:33:58 1990

CEO summary:
There seems to be some confusion as to the frequencies that LO-JACK operates on. Here in Mass., the transmissions are on 173.075 and sound a lot like packet. All the cruisers set up for LO-JACK tracking have a pattern of four 18" or so whips on the roof and a doppler DF setup inside. The beaconing car's ID code also shows up on a 6 (or so) character alphanumeric display. There have been a few news video clips of the system in action showing the cruiser display. I myself have also wondered how you locate a LO-JACK car inside an

aluminum trailer truck, and why car thieves don't carry scanners
tuned to 173.075???
=================================
Peter Simpson, KA1AXY
Data General Corp M/S E132
Westboro, MA 01580
(508) 870-9837
Pete_Simpson@MERCURY.MCEO.DG.COM

From -8017808502861615207
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b6ecdc738ef888d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,4b6ecdc738ef888d,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-10-11 05:51:26 PST
Path: gmdzi!unido!fuhainf!fuhainf2!meyer
From: meyer@fuhainf2.uucp (Bernd Meyer)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: packet games
Message-ID: <463@fuhainf.UUCP>
Date: 11 Oct 90 12:51:26 GMT
Sender: news@fuhainf.UUCP
Lines: 33
Xref: gmdzi rec.ham-radio:15661 rec.ham-radio.packet:2908
Posted: Thu Oct 11 13:51:26 1990

hi out there,

recently someone asked for games implemented on packet radio. sri, i lost the
originator's email address.
dd4os, boris, has written something for the dec rainbow as a game server a few
years ago. maybe it works on ms-dos in general. i cannot really remember,
what the game was like, it was something like a lunar landing simulation.
due to our links here in germany it was incredibly slow when used via
digipeaters, but it worked well on point-to-point links.

if you like to contact him: boris is working at the ai-labs of the university
of hamburg, frg.
his email address is pasternak@informatik.uni-hamburg.dbp.de

if you cannot get through, send mail to me, i will forward it to him.

good luck,   bernd

===
Bernd Meyer, LG Praktische Informatik IV, FernUniversitaet Hagen
             Bahnhofsstrasse 46/48
             D-5800 Hagen
             FRG

Phone: 02331/181677

meyer@fernuni-hagen.de   (UUCP, EuNet)
meyer@dhafeu61.bitnet   (EARN, BitNet)
s=meyer; ou=vax1; ou=informatik; p=fernuni-hagen; a=dbp; c=de   (EAN, X.400)

db6ag@db0sgl   (Packet Radio)
===

From 8063416181497890260
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 06:31:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Message-ID: <30500767@ux1.cso.uiuc.edu>
Date: 11 Oct 90 04:33:00 GMT
References: <30583@netnews.upenn.edu>
Lines: 61
Nf-ID: #R:netnews.upenn.edu:30583:ux1.cso.uiuc.edu:30500767:000:3201
Nf-From: ux1.cso.uiuc.edu!phil   Oct 10 23:33:00 1990
Posted: Thu Oct 11 05:33:00 1990

>]In article <8882@helios.TAMU.EDU> billg@cs.tamu.edu (William Gunshannon)
>]writes:
>]> Where were the control operators for all these repeaters?? FCC regs
>]state
>]> that automatic operation requires a control operator.
>]
>]Then it ain't "automatic".
>
> No, but a phone patch does handle 3rd party traffic, requiring
> a control operator. However, I believe that a patch is legal if,
> when the control operator is not present, only 911 or equivalent
> can be dialed. This is on the theory that a 911 call is a presumed
> emergency and hence the third party traffic rule is waived.

97.205 Repeater station.
...
(e) Ancillary functions of a repeater that are available to users on the input channel are not considered remotely controlled functions of station. Limiting the use of the repeater to only certain stations is permissible.
...

However, non-repeater autopatches are very different. There are TWO stations involved. The base/remote station operates under remote control but is otherwise and ORDINARY station and can operate on any frequency, and in any mode, that the control operator and the station licensee is authorized for. The station of the USER is the auxiliary station. It has to be operating as an auxiliary station in order to remotely control a station. FCC rules require auxiliary stations to operate on 220.5 MHz and up, except on 431-433 MHz and 435-438 MHz. So the INPUT to an autopatch must be on those frequencies only. The OUTPUT can be anywhere else that is legal.

Note that if the OUTPUT is on 29.6 MHz, a Technician cannot be the control operator. A Novice cannot operate an auxiliary station at all, so therefore cannot use the autopatch unless someone else is acting as control operator.

Simplex autopatches on 2 meters are therefore not legal as described here because the auxiliary station would be on 2 meters and that is illegal, or the autopatch would be operating under control of a non-auxiliary station, and that is illegal, or there is not control operator, and that is illegal. This does NOT affect autopatches as part of a repeater because the control of the autopatch is under control of the repeater, and the connection of that control is wireline (usually). If it were not wireline, then the control link would have to be auxiliary.

A full duplex crossband autopatch can have its OUTPUT on 2 meters, but NOT its input. With so many dual band 2m/70cm radios around, such an autopatch with an OUTPUT on 2m and an INPUT on 70cm (except 431-433 and 435-438) would be the way to go. Putting the input on 222.1-223.91 MHz might temp Novices to use it, and that would be illegal.

Auxiliary stations must be under control of a control operator at a control point. But they may be under remote control via another auxiliary station to achieve this control. Eventually there is a live control operator.

An auxiliary station may be automatically controlled only when it is part of a system that includes a repeater station also being automatically control. (97.201(d))

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -4918031757782902905
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7ba1b104af081a8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 06:34:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and intermodulation.
Message-ID: <30500768@ux1.cso.uiuc.edu>
Date: 11 Oct 90 04:38:00 GMT
References: <4905@qip.UUCP>
Lines: 20
Nf-ID: #R:qip.UUCP:4905:ux1.cso.uiuc.edu:30500768:000:994

Nf-From: ux1.cso.uiuc.edu!phil   Oct 10 23:38:00 1990
Posted: Thu Oct 11 05:38:00 1990

> The ham club at New Jersey Institute of Tech in Newark operates K2MFF/R on
> 147.225.
>
> HT's monitoring this machine suffer from severe intermod. The signal from
> another local repeater mixes with the signal from a mobile phone (not cell
> phone - the old kind), creating a new signal on 147.225. The end result is
> that you can listen to both the other repeater and Newark Mobile Phone
> conversations at the same time. The intermod is strong enough to drown
> out K2MFF/R.
>
> The intermod is caused by signals mixing INSIDE the HT's. Mobile/base
> tranceivers do not suffer from this problem.

As long as you can hear the 147.225 machine when it goes on the air, you could add a CTCSS tone to the TRANSMITTER on 147.225 and when you are using one of the newer HT's that has tone squelch, you can squelch out the intermod.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -9211160011511844016
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20d8ee63b765da4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 06:48:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!samsung!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: can 2sat do repeater split of 6.46
Message-ID: <30500769@ux1.cso.uiuc.edu>
Date: 11 Oct 90 04:50:00 GMT
References: <271079@<65>
Lines: 52
Nf-ID: #R:<65:271079:ux1.cso.uiuc.edu:30500769:000:2528
Nf-From: ux1.cso.uiuc.edu!phil   Oct 10 23:50:00 1990
Posted: Thu Oct 11 05:50:00 1990

>   Are you a licensed ham? Does ICOM have any business selling
> transmitters to you and your friends? Not that they care. You hit
> the nail on the head when you said "there's money in it, so they do
> it."

It is not illegal in the US to own a transmitter. Are you suggesting that the law be changed?

>   I have always been against the policy that "every volunteer
> needs a portable." There are a lot of non-licensed EMTs and vollie
> firefighters running around with modified ham portables on Public
> Safety frequencies. They and their illegal radios do not belong on
> the air. I always thought a firefighter's job was to put out fires,
> not to jabber on his portable radio.

There are type-accepted portables available, and even Icom sells them.
Some are actually very cheap, too, so the cost is not the issue. I don't
know why one of these people would want a ham rig just to get a cheap
radio on their public service band. There are cheaper radios advertsied
in "Mobile Radio Technology" magazine.

>   Now we have the folks in this echo claiming that hams should be
> able to transmit on police channels so they can call for help. That
> is what telephones, repeater autopatches, fire alarm pull boxes, etc
> are for. Civilians do not belong on the police radio, therefore they
> do not need access to equipment that will transmit there.

I am not claiming that hams SHOULD be able to transmit on police channels,
but I am claiming that hams ARE able to transmit on police channels. I am
also claiming that certain FCC rules allow this transmission under certain
circumstances (like a real emergency).

Which would be cheaper? Getting a portable cellular phone with service,
or adding an autopatch to the local repeater with a phone line. DON'T
ANSWER ON THE NEWSGROUP HERE, just send me your check that covers the
cost for one year of whichever one you think I should have instead of
my current IC-32AT with out of band mods in place.

> > Rich Bono, if you are reading, THIS is the kinda guy I was
> > talking about.
>
>   For your friend's benefit, THIS kinda guy has extensive Public
> Safety emergency communications _and_ disaster preparedness
> experience. The only way the system works under normal or emergency
> conditions is if everybody stays where they belong.

Some of us do, and some of us don't.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -345241722108609429
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,37d61affa42dfb5a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 06:54:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio

Subject: Re: Hi-capacity AAA nicads?
Message-ID: <30500770@ux1.cso.uiuc.edu>
Date: 11 Oct 90 04:52:00 GMT
References: <34658@cup.portal.com>
Lines: 7
Nf-ID: #R:cup.portal.com:34658:ux1.cso.uiuc.edu:30500770:000:326
Nf-From: ux1.cso.uiuc.edu!phil   Oct 10 23:52:00 1990
Posted: Thu Oct 11 05:52:00 1990

The price curve starts rising real fast at the higher capacity cells.
I have found the "knee" to be at about the 600 mah size. It might be
moving up to 700 mah size soon.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 3430601719701472084
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 07:01:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!uunet!
maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <30500772@ux1.cso.uiuc.edu>
Date: 11 Oct 90 05:10:00 GMT
References: <9010091533.AA02609@tilde>
Lines: 18
Nf-ID: #R:<9010091533.AA02609@tilde>:-26:ux1.cso.uiuc.edu:30500772:000:864
Nf-From: ux1.cso.uiuc.edu!phil   Oct 11 00:10:00 1990
Posted: Thu Oct 11 06:10:00 1990

> In article <9010082140.AA18619@tilde>, dube@cpdvax.csc.ti.com writes:
> >
> > In the U.S., Ham gear does not require type acceptance, whether it is to
> > be sold or not. This assumes, of course, that the equipment will *only*
> > be used in the amateur service.
>
> Are you SURE? How is it that the FCC restricts 10 meter coverage in
> linear amplifiers (even kits!) manufactured for the amateur radio market
> then, without the process of type acceptance?

The rules in part 97 are there to limit the number CONSTRUCTED by hams so
that there is no loophole to the REAL restrictions on linear amplifiers
elsewhere in the FCC rules which prohibit manufacture, importation, sale,
etc. of such equipment.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society

<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 4417342189577182219
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,441190ff4c9e00fc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 07:03:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: This whole Code Test Thing
Message-ID: <30500771@ux1.cso.uiuc.edu>
Date: 11 Oct 90 05:06:00 GMT
References: <9010081445.AA13551@ucsd.edu>
Lines: 30
Nf-ID: #R:<9010081445.AA13551@ucsd.edu>:-29:ux1.cso.uiuc.edu:30500771:000:1345
Nf-From: ux1.cso.uiuc.edu!phil   Oct 11 00:06:00 1990
Posted: Thu Oct 11 06:06:00 1990

Yes, Michele did see "ear" in 97.503, which shaved a few seconds off me
looking for it. But I will copy it here:

] 97.503 Element standards.
]
] (a) A telegraphy examination must be sufficient to prove that the
] examinee has the ability to send correctly by hand and to receive
] correctly by ear, texts in the international Morse code at not less
] than the prescribed speed, using all the letters of the alphabet,
] numerals 0-9, period, comma, question mark, slant mark, and pro
] signs ar, bt and sk.

So, how many would go along with petitioning the FCC to change just the
above paragraph to: [new text in all caps]

```
+ 97.503 Element standards.
+
+ (a) A telegraphy examination must be sufficient to prove that the
+ examinee has the ability to send correctly by MANUAL MEANS and to
+ receive correctly WITHOUT THE BENEFIT OF DECODING DEVICES, texts
+ in the international Morse code at not less than the prescribed
+ speed, using all the letters of the alphabet, numerals 0-9, period,
+ comma, question mark, slant mark, and pro signs ar, bt and sk.
```

This would ALLOW a device that turns on a light when it hears a sound
because such a device would not be decoding the Morse code.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -4109093294914962684
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,65e5a26f006c36d0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 07:03:56 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!uunet!
maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: turn down the flamethrower, Tad
Message-ID: <30500773@ux1.cso.uiuc.edu>
Date: 11 Oct 90 05:14:00 GMT
References: <27121@<69>
Lines: 10
Nf-ID: #R:<69:27121:ux1.cso.uiuc.edu:30500773:000:556
Nf-From: ux1.cso.uiuc.edu!phil   Oct 11 00:14:00 1990
Posted: Thu Oct 11 06:14:00 1990

I have read in some law books that many states of laws that allow a restrictive covenant to be removed if you act in such a way that violates that covenant and no one complains. I have read that an example timeframe is about a year. See your lawyer BEFORE you do this. I posted this just to let you know that in some case there can be hope, and that you should see your lawyer to find out about it.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -4803929151437105093
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56695760eb180348
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 07:06:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
cs.utexas.edu!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was
Message-ID: <30500774@ux1.cso.uiuc.edu>
Date: 11 Oct 90 05:45:00 GMT
References: <2712@<73>
Lines: 121
Nf-ID: #R:<73:2712:ux1.cso.uiuc.edu:30500774:000:6525
Nf-From: ux1.cso.uiuc.edu!phil   Oct 11 00:45:00 1990
Posted: Thu Oct 11 06:45:00 1990

> > * 97.403 Safety of life and protection of property.
> > * No provision of these rules prevents the use by an amateur station of
> > * any means of radiocommunication at its disposal to provide essential
> > * communication needs in the connection with the immediate safety of human

> > * life and immediate protection of property when normal communication
> > * systems are not available.
> >
> > As I read this rule, it tells me that my amateur station (and it remains
> > in the amateur service) is not prevented by other rules (such as limits
> > on frequency or power) for radio communications under specific circumstances
> > it mentions.
>
>   I interpret the above rule in a different manner.
>
>   I believe that this and other amateur radio rules and regulations
> must be interpreted in the *context* of their application to the amateur
> radio service. As I see it, the above section relaxes the rules pertaining
> to amateur radio operation in the event of an emergency, but *only* as they
> apply to operation within frequencies allocated to the amateur radio
> service. As an example, in the event of an emergency a novice or technician
> class licensee could operate using amateur radio frequencies and/or employing
> power and emission modes which they are not normally entitled to operate.

You are choosing to interpret 97.403 as waiving some rules but not others.
Tell me how you come to believe that one rule is covered by 97.403 and not
some others. How do you decide WHICH rules are to be waived?

>   Therefore, the above referenced rule is not carte blanche permission
> for an amateur radio operator (in the event of an emergency) to operate a
> radio station on *any* frequency from DC to light in any manner they so
> choose. Since the above referenced rule is contained *within* the sections
> pertaining to amateur radio operation, it could only pertain to those
> frequencies allocated to amateur radio operation.

Sure, it is contained WITHIN amateur rules. The rules limiting the power
and the rules limiting the frequency are BOTH present in part 97. How
do you decide WHICH rules can be waived and which ones cannot?

>   In support of my interpretation, consider some wording contained
> within 47 USC 301 (which relates to general provisions for FCC license
> requirements): "... no such license shall be construed to create any
> right, beyond the terms, conditions and periods of the license." Part
> of what this means is that a license for one service cannot create any
> rights for operation in *another* service.

Reread my original posting:
As I read this rule, it tells me that my amateur station (and it remains
                                                          ^^^^^^^^^^^^^^
in the amateur service) is not prevented by other rules (such as limits
^^^^^^^^^^^^^^^^^^^^^^
on frequency or power) for radio communications under specific circumstances
it mentions.

So as I am interpreting it, if I were to operate this way, I would still be
operating AS AN AMATEUR and as part of the AMATEUR SERVICE, in communication
with a station in the LAND MOBILE PUBLIC SERVICE. I would be using 97.403 to
waive 97.301. You mention the possibility of waiving only parts of 97.301,

and all of 97.313 and 97.305 through 97.311.

I have seen the results of judicial review of other kinds of rules
> and regulations, and I would bet money that judicial review of the above
> exemption contained in the amateur radio service rules and regulations
> would result in a decision on the order of: "Mere possession of a valid
> amateur radio license, even in the event of an emergency, does not
> convey a special class or privilege apart from that of other persons not
> so licensed, as to permit the unlicensed operation in any *other* regulated
> portion of the radio spectrum."

Were these judicial reviews all dealing with the case of an actual
emergency? If not, then I believe they won't apply.

By the way, there is no indication that 97.403 cannot also waive rules
97.5 and 97.7.

>   I realize that there are readers of this newsgroup who will rather
> vehemently disagree with what I have just stated, but *think* about this
> question for a moment before replying: Do you really believe it is the
> *intent* of the FCC that the holder of a novice class amateur radio license
> be granted some magic privilege to use any part of the radio spectrum
> they so desire in the event of an "emergency"? If so, where would one
> draw the line? How about using say, 121.5 or 243.0 MHz to report a
> traffic accident? That'll get some attention quick-like! If we are to
> take the "literal" interpretation of the alleged exemption, such frequency
> usage would be acceptable!

First of all, I am not talking about an "emergency", I am talking about
and **EMERGENCY**!!!

You draw the line on common sense and what is actually necessary.
You cannot use the rule to transmit with 10,000 watts of power when
100 watts was clearly going to get the emergency communications through.

>   It is my belief that should an amateur radio operator actually
> utilize a public safety radio service channel without specific prior
> authorization to report an "emergency", there would be no choice but to
> make some *considerable* effort to prosecute such amateur radio operator.
> To fail to make such a prosecution would set a precedent that would no
> doubt be *very* disturbing to public safety authorities.

By all means an investigation would be called for. But I do believe that
if the correct actions were taken at the time of the **EMERGENCY**!! then
cool and sane heads will prevail and no formal charges of rule violations
would be applied. But it better be a real **EMERGENCY**!! and it better
be the case that the particular rule "waivers" you took via 97.403 were
actually necessary to conduct the communications within the time period
necessary.

Larry, since you are so adamant about this, then I might suggest you
petition the FCC to reword (or even to delete) 97.403 so it does not
cover so many possibilities, so vaguely.

I believe they made it vague for a reason, and that being to not set in
stone any particular "waivers" and to give the prosecuters and the judges
some leeway in deciding cases.

The precedent I am afraid of is one where people WON'T use an available
radio when it is absolutely necessary.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -8468197198953011224
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f33e388dc8c722c0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 07:07:26 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!
ucbvax!LONEX.RADC.AF.MIL!szarekw
From: szarekw@LONEX.RADC.AF.MIL (William J. Szarek)
Newsgroups: rec.ham-radio
Subject: re:Alinco DR-590T
Message-ID: <9010111407.AA05490@lonex4.radc.af.mil>
Date: 11 Oct 90 14:07:26 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 136
Posted: Thu Oct 11 15:07:26 1990

In response to buzz here are my findings regarding the 590T

>I just picked up a brand new Alinco DR-590T and have had some problems that
>I would like to share with you all out there in ham-net land. Maybe someone
>out there can help me with a couple of these problems.

I guess not too many people have these rigs yet otherwise I would not have
to respond to your request. I hope there are others besides yourself that
are interested in this information. In any event this is what worked for
me (sans jinglish). I am not however responsible for what you do to your
rig . . . etc.

>1, I got this unit because of all the cool features it is supposed to have,
>including cross-band repeat. The instruction manual does not even mention
>this feature. After calling Alinco I found that this was a feature functions
>only after modification. They said (more than a week and a half ago) that they
>would send me the modification instructions. I haven't heard anything from
>them.

If you ask them (nicely) there are (a few) dudes at Alinco that are willing
to help and are smart enought to be helpfull (there is a differance ;-}).
They can fax you the information or even send it to you next day air at no
charge if you ask politely or are VERY persistant (as in my case).

Now the big news . . . to modify the rig to xmit out of band (to call the cops etc ;-}), to operate as a cross band remote, etc. follow these easy steps.
1) remove the control head from the unit (2 screws on each side of the forward part of the rig, near the control head).

2) hold the control head in your hand face down and remove the two screws you see on the back of the control head.

3) remove the cover from the back of the control head (it snaps off)

4) locate a blue loop of wire. There is only one blue loop of wire.

5) cut, unsolder, remove, destroy, nuke, the blue wire (your choice) [I neither advocate nor encourage the indiscriminate use of nukes]

6) undo step 3

7) undo step 2

8) undo step 1

9) connect the rig to antennas, power etc as outlined in the manual.

10) hold down the function key and turn on the power

This is what you will find . . .
The rig now transmits everywhere.
it now will display (not receive) 800Mhz band and 300Mhz band on the 440 side of the display in rotation (press the uhf switch to switch from band to band)
It will now display (not recieve) the aircraft band (yes it does indicate AM) on the 2 meter side of the rig. There is no AM detector presently but I am working on it.

Cross band operation:
To enable cross band remote press (and hold) the funciton key and then (while still holding the function key) press the vhf switch. Cross band operation is now enabled using the displayed TX and RX frequencies. Splits still funciton in cross band operation so don't link 2 repeters together! Frequency selection for each band can be from the vfo, memory, or ARM (a cool Alinco function).
To disable cross band operation simply press (and hold as before) the funciton key and press the uhf switch. Note: failing to hold the f-key down and then pressing uhf or vhf enables a strange function that I have yet to figure out.

>2, The Autodialer (an option for the 590E according to page 13 of the manual)
>did not work as in the insturctions. Another call to Alinco and I found
>that it is also an option in the 590T. On page 19 it was pointed out to
>me is a note to this effect. These instructions are also unclear. Anyway
>I went out and purchased the required DTMF unit and installed it. Now I
>can store the numbers in the autodialer's memories, however I cannot get

>the rig to autodial any number except the number stored in memory #1. I
>have tried every possible interpretation of the directions on page 13 of
>the manual and had no success. Another call to Alinco . . . they told me
>that they knew that the manual was written in jinglish (japanese/english)
>and was hard to understand. They said that they would send me a complete
>manual written by someone who spoke english as their primary language. I
>asked them why this manual was not provided with the rig and they said that
>it was free to anyone who asked for it ?!?!

Simple problem . . . a typeing error (translation error?).
Turn to page 13 of the instructions
find "Transmitting the Stored Autodialer Number:(DR-590E: Option)

Step 2 should read:
Enter DTMF pad code c14 and select the desired autodialer channel.

>3, This rig is supposedly able to receive DTMF codes from another transmitter
>What will allow remote control of the rig (useful as a very flexible cross
>band repeater). I have not been able to get this to function on my rig at
>all. I can only hope that possibly the modification they promised to send
>me will enable this function or that the new english directions will beable
>to explain how to make this happen.

Even the grand Alinco wizzard has not figured this out. He said that he
was working on better directions and that as soon as he had them he would
send them to me.

>4, The remote page/DTMF squelch function are completely cryptic I hope they
>are also explained in the english directions.

Same deal as above. However if you sat around with a friend who also had
a similarly equipped rig you could probabily figure it out.

>Anyone with any mods or operation instructions for this rig please let me
>know. Am I the only one with these problems? Does anyone have any solutions?
>Is Alinco always this slow? etc.?

Here are your mods/instructions. Yes I believe you are. I found the solutions.
In my experience Alinco has always operated in this manner.

>I will post a summary when a solution is found
>so send responses to me at my address:szarekw@lonex.radc.af.mil

Here is the summary. In case you haven't figgured it out by now I am answering
my own query. I just figgured someone might want the info.

>73
>-buzz

It has been nice doing buisness with you
-buzz
KE2WD

>I will not instigate revolution . . .
>   B. Simpson

Just grow up will ya!

```
From 1219454984929860625
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55888b98d8a29769,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 07:07:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!uunet!
maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: deed restrictions
Message-ID: <30500775@ux1.cso.uiuc.edu>
Date: 11 Oct 90 05:55:00 GMT
References: <11088@hacgate.UUCP>
Lines: 17
Nf-ID: #R:hacgate.UUCP:11088:ux1.cso.uiuc.edu:30500775:000:770
Nf-From: ux1.cso.uiuc.edu!phil    Oct 11 00:55:00 1990
Posted: Thu Oct 11 06:55:00 1990
```

Considering the current downswing in real estate sales, we might be able
to gain a very slight bargaining position.

I know for instance that when I am ready to buy a house, the terms of by
offer will specifically spell out a number of restrictions that cannot be
in the contract or referred to in the contract of sale (so I can get by
offer money back if it turns out to be the case). For instance I want no
restrictions on things like:
1. Outdoor antennas.
2. Radio transmitters of any kind. [you better watch that one]
3. Swimming pools.
4. Gardens of any size on non-frontage.
5. Color of exterior paint.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From -133049471297182538
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8924141da8b9b38a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 07:08:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
psuvax1!rutgers!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
```

Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was
Message-ID: <30500776@ux1.cso.uiuc.edu>
Date: 11 Oct 90 06:04:00 GMT
References: <1530054@hpsad.HP.COM>
Lines: 31
Nf-ID: #R:hpsad.HP.COM:1530054:ux1.cso.uiuc.edu:30500776:000:1688
Nf-From: ux1.cso.uiuc.edu!phil   Oct 11 01:04:00 1990
Posted: Thu Oct 11 07:04:00 1990

> priority. Also take steps to ensure you don't mistakenly key up on a
> PSA channel thinking it is your favorite repeater... I store fire
> channels in my radio with the transmit frequency offset to an unused
> ham channel-- I figure I will need to transmit so infrequently that I
> can turn off the offset if the need arises. This also deters
> malicious use by somebody steals my radio (provided I don't wring
> their little necks first...)

Because the offsets on VHF frequencies are so odd and different, I am
afraid I might not remember them in the real emergency. I can remember
them at this moment:
        154.070 +1.945
        155.040 +3.885
but I might not when trying to overcome panic. So I have programmed
them in, except that I programmed them in the reverse direction.
All that I need to do is press the DUP key a couple times and I have
it set to go. The PL tones are programmed as well (though maybe I
should program them as OFF, but just program the frequency).

Thus my radio is less secure than yours in terms of malicious use by
someone who might steal it. But someone who just does not know these
things is not likely to get the DUP set correctly and then NOT be
tempted to spin the dial on top, which would wipe the settings with
the memorized values in the next channel. They'd have to be smart
enough to program the thing, and they'd be able to program whatever
they wanted then anyway. Of course there is the issue of having such
a fully programmable radio, but I believe that is a distinct issue.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 3006855821865410614
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8924141da8b9b38a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 09:34:40 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpcc05!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was Re: performance of QRP)

Message-ID: <27080018@col.hp.com>
Date: 11 Oct 90 16:34:40 GMT
References: <60255@iuvax.cs.indiana.edu>
Organization: HP Colorado Springs Division
Lines: 2
Posted: Thu Oct 11 17:34:40 1990

You say the dispatchers know you... Do you use your amateur call
or some "tactical" type call (alphanumerics)? Just curious...

From 4890583408130823944
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3af15a1cbc4d624e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 09:41:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!
rutgers!news-server.csri.toronto.edu!utgpu!watserv1!ria!uwovax!51160_1477
From: 51160_1477@uwovax.uwo.ca
Newsgroups: rec.ham-radio
Subject: NEW CANADIAN STRUCTURE--US HAMS
Message-ID: <7376.27146892@uwovax.uwo.ca>
Date: 11 Oct 90 16:41:54 GMT
Lines: 27
Posted: Thu Oct 11 17:41:54 1990

The information concerning special permits for foreign operators

was obtained from the London, Ontario regional office.

I have checked with the CRRL and they feel that the existing
recipricol agreement specifically between US and Canada has
not changed.

They also confirmed that the DOC is moving away from having
special permits so any requirement for US amateurs seems
almost impossible.

Since the RIC has not even been printed yet, it may be some
time before an actual policy statement can be viewed for
interpretation.

Unless officially announced in the meantime, I would say that
US amateurs shouldn't worrry too much about operating in
Canada.

By the way Lyndon, if you can get any more of those $5 UHF
radios, I'd be interested in about four (HI). We sure don't

get deals like that around here...

73s for now.
Dave Colvin

VE3ZDC
PPDDC@UWOCC1.UWO.CA

From 4289073887874850836
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7ba1b104af081a8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 10:56:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!udel!
rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and intermodulation.
Message-ID: <40636@cci632.UUCP>
Date: 11 Oct 90 17:56:08 GMT
References: <05.Oct.90.12:11:22.BST.#3652@UK.AC.NWL.IA> <40562@cci632.UUCP>
<364@ssc.UUCP>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 18
Posted: Thu Oct 11 18:56:08 1990

In article <364@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>What makes you think your receiver's problem is caused by transmitted "crap"?

Well, perhaps my logic is imperfect here: I hear it on other receivers
than my TH215, including an IC-255 and a VHF scanner (yes, I know how
bad these receivers are :-))

>Intermod in your receiver is not caused by spurious emissions. And if you
>have your TH215 hooked to any antenna other than the little rubber one that
>came with it, the problem will be worse.

I don't understand ... why? Just because the outside antenna can "hear"
better?

>Tad Cook

Chris/WZ2B

From 4654104150106862174
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eaca12c95b3efa6d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 11:48:43 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!
ucbvax!skvax1.csc.ti.com!anderson
From: anderson@skvax1.csc.ti.com (John H. Anderson N5OPY)
Newsgroups: rec.ham-radio
Subject: Need Ugandan contact.

```
Message-ID: <9010111848.AA04815@tilde>
Date: 11 Oct 90 18:48:43 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19
Posted: Thu Oct 11 19:48:43 1990

I have been asked for help in contacting a Peace Corp volunteer
in Uganda via Amateur Radio.  A friend is fearful of his safety.
Is there any one here who knows of an amateur in or near there?

I would prefer a packet station, but an HF voice station would be
fine.

If you know of a packet station in that area, please send me his
address and call.

If you know of an HF voice station, a sched. and freq. would be helpful.

Heres a chance to cut through the flames and see the light.
Thanks

--
John H. Anderson, N5OPY
anderson@skvax1.csc.ti.com
N5OPY@N5LDD.TX.USA.NA


From -424701448307329848
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 20:02:32 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!ucsd!network.ucsd.edu!brent
From: brent@network.ucsd.edu (Brent Jones)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <3823@network.ucsd.edu>
Date: 5 Oct 90 18:10:08 GMT
References: <9010032217.AA11855@tilde> <30500755@ux1.cso.uiuc.edu>
Organization: Ich geh' kaput.  Gehst du mit?
Lines: 4
Posted: Fri Oct  5 19:10:08 1990

In article <30500755@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>1.  Give the dispatcher some sort of handle to call you by, so they can

My "handle"'s Porcelain.  What's your's?


From 3252652933435716999
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
```

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 20:15:11 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Message-ID: <30660@netnews.upenn.edu>
Date: 5 Oct 90 19:06:50 GMT
References: <30583@netnews.upenn.edu> <1990Oct5.090039@ultnix.enet.dec.com>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 34
Posted: Fri Oct 5 20:06:50 1990

In article <1990Oct5.090039@ultnix.enet.dec.com> taber@ultnix.enet.dec.com
(Patrick St. Joseph Teahan Taber) writes:
 I originally wrote:
>|>IMHO, this is what amateur radio is all about. It's not supposed
>|>to be a competitive sport to see who can work the most countries, get
>|>their Extra the quickest, or send CW the fastest. Public service,
>|>technical advancement, and international good will are what this
>|>hobby was founded on. Let's keep it that way. [...]
>
>
>Yes, there's every reason to feel good about the hobby/service when something
>like this happens. However, there is no need to try and justify the feeling by
>knocking other people's passtimes. All the different sub-hobbies in ham radio
>have a right to exist and be valued for what they are. Not everyone has to do
>the same thing, and, in fact, it would be a pretty bad thing if they did.
>
>It's possible to promote the good parts of radio simply on the basis of thier
>goodness. There's no need to put down other parts of radio.

Apparently my opinion was misunderstood by others, including Patrick.
What I was trying to say is that all aspects of ham radio are well and
good, but let's not forget what the hobby/service is all about. Just
for the record, I, too, chase DX, work contests, etc. I'm in no way,
shape or form trying to say that any of these things is detrimental to
the hobby, but rather that there are some fundamentals deeply rooted in
the hobby that shouldn't be forgotten by those of us that do participate
in radio sports.

--- Jeff

--
-=-
Jeff DePolo N3HBZ   Twisted Pair: (215) 386-7199
depolo@eniac.seas.upenn.edu   RF: 146.685- 442.70+ 144.455s (Philadelphia)
University of Pennsylvania   Carrier Pigeon: 420 S. 42nd St. Phila PA 19104

From -3373776903621781141
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7785347b9c7882a5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 20:37:15 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!apple!vsi1!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: Being sobered by QCWA eligibility
Message-ID: <2997@wyse.wyse.com>
Date: 5 Oct 90 16:09:30 GMT
References: <9010040430.AA15688@ucsd.edu> <9010041601.AA12617@ucsd.edu>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 15
Posted: Fri Oct 5 17:09:30 1990

In article <9010041601.AA12617@ucsd.edu> jmaynard@THESIS1.HSCH.UTEXAS.EDU (Jay Maynard) writes:
> Stuff deleted....
>
>BTW, Phil...happy 34th birthday, you old fart! :-) :-) :-) :-) :-)
>
>--
>Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can

God,

I'm glad I'm not that old....at least for another 2 weeks ;-)

Happy Bday Phil...

de Steve KA6S

From -6333063407348030667
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f7c62f2c990ba950,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 20:42:28 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!
zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!psuvax1!rutgers!mcnc!decvax.dec.com!
shlump.nac.dec.com!merlot.enet.dec.com!bassett
From: bassett@merlot.enet.dec.com (Greg Bassett)
Newsgroups: rec.ham-radio
Subject: Novice Question Pool Online?
Message-ID: <1990Oct5.115526@merlot.enet.dec.com>
Date: 5 Oct 90 18:57:44 GMT
Sender: newsdaemon@shlump.nac.dec.com
Reply-To: bassett@merlot.enet.dec.com (Greg Bassett)
Organization: Digital Equipment Corporation
Lines: 14

Posted: Fri Oct 5 19:57:44 1990

I am trying to find the latest (since the change late last year) Novice question pool somewhere that can be downloaded.

ARRL only sells a $18 diskette and Rich Bono's AUTOEXAM (excellent program) has only the old version of the questions. Tried a couple of ham BBS' (N8EMR, et al.), but the old questions were there as well.

Anyone know of a source?

Regards,
Greg Bassett - KJ6EP
bassett@merlot.enet.dec.com
(408) 496-3474

From -8973047220088110379
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd66be2584b7c901,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f74ae,cd66be2584b7c901,start
X-Google-Attributes: gidf74ae,public
X-Google-ArrivalTime: 1990-10-05 20:50:50 PST
Path: gmdzi!unido!mcsun!uunet!know!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!cunews!bnrgate!bwdlh131!mleech
From: mleech@bwdlh131.bnr.ca (Marcus Leech)
Newsgroups: sci.astro,rec.ham-radio
Subject: Amateur Radio Astronomy mailing list
Keywords: astronomy microwaves vhf uhf
Message-ID: <1990Oct5.183512.8927@bnrgate.bnr.ca>
Date: 5 Oct 90 18:35:12 GMT
Sender: news@bnrgate.bnr.ca (USENET News System)
Organization: Bell-Northern Research, Ltd. Ottawa Ontario CANADA
Lines: 16
Xref: gmdzi sci.astro:6079 rec.ham-radio:15440
Posted: Fri Oct 5 19:35:12 1990

With the assistance of devon@cs.buffalo.edu, a mailing list has been setup for amateur radio astronomy enthusiasts. The main purpose of the list is to exchange information and ideas relevant to the persuit of amateur radio astronomy. Topics include (but are not restricted to) system design ideas, where to get equipment, available literature, what to look for once you're up and running, etc, etc.

Send your subscription requests to radio-astro-request@cs.buffalo.edu
Messages may be sent to radio-astro@cs.buffalo.edu

Marcus Leech, 4Y11   Bell-Northern Research |opinions expressed

```
mleech@bnr.ca                  P.O. Box 3511, Stn. C   |are my own, and not
VE3MDL@VE3JF.ON.CAN.NA         Ottawa, ON, CANADA      |necessarily BNRs
```

From -1788005819683931106
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7ba1b104af081a8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 21:48:43 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: 2M HT's and intermodulation.
Message-ID: <05.Oct.90.12:11:22.BST.#3652@UK.AC.NWL.IA>
Date: 5 Oct 90 11:07:03 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 26
Posted: Fri Oct 5 12:07:03 1990

It continues to amaze me how the makers of HT's fail to provide them with adequate front-end selectivity; i was recently looking to buy a simple (Cheap!) 2-meter HT, and *NONE* of the various ones i trialled in the dealers seemed immune to 'squawks'. It generally seemed that 'the more features, the worse the RF performance'. One, which shall remain nameless, suffered terminal intermodulation on a 1/4 wave whip.....

What *is* the point on providing sub-microvolt sensitivity if the thing dies laughing at anything over a millivolt? Maybe if the designers of these radios were forced to use them in a real environment (one with more than one transmitter!) they would change their mind.
Get the designers out of their shielded RF test-environments and into a big city full of nasty, intrusive RF.
Why install scanning etc. on a radio when the squelch is kept open *ALL THE TIME* by garbage from the local paging TX?

p.s. in the end i bought an ex-commercial HT; it suffers no ill effects on receive, even when i am transmitting on the same band...

Eat your hearts out Yaesu, Kenwood, Icom, I am sticking with Motorola from now on.

p.p.s. a HT220 can be used to club muggers, AND it will still work as a radio afterwards...

```
 Pete Lucas      G6WBJ       PJML@UK.AC.NWL.IA  0793-411613
```

From -2290286129117292148
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7303fb727bcfdf91,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 21:48:47 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: Radio-Sport?
Message-ID: <05.Oct.90.14:23:22.BST.#3728@UK.AC.NWL.IA>
Date: 5 Oct 90 13:16:38 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Fri Oct 5 14:16:38 1990

I do not like the idea of ham radio becoming an 'Olympic sport'; what
would be the criteria for receiving the Gold medal? Rudest contest
operating procedure? Widest splatter? Worst audio quality?
Presumably you would test for use of illegal amplifiers in the same way
as competitors are tested for performance-enhancing drugs....
If it does have to come, then i would suggest that the regulation should
reward cunning, ingenuity and skill rather than brute-force. An
electronic equivalent of orienteering is what i would like to see. Any
such competition must, at all costs, avoid the situation that prevails in
Formula 1 motor-sport, where anyone who comes out with an innovative
technique (active suspension, ground-effect) everyone else appeals
against it and it gets outlawed. This is a farce!
Maybe a ban on using commercially-built radios; what about a competition
based on 'Heres a dead TV set; who can convert it to a transmitter and
transmit 1000 words error-free in the shortest time....)
Oooer, i have just realised.... the result would probably be a **CW**
transmitter!!!!; no good as a spectator sport, the masses would not
understand..... no use for the advertising concessions!!!!

Pete Lucas   G6WBJ   PJML@UK.AC.NWL.IA 0793-411613

From 2397125772280796127
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2499e31494160ada,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 21:49:26 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!SACEMNET.AF.MIL!lwrclmr
From: lwrclmr@SACEMNET.AF.MIL ("LWRCLMR")
Newsgroups: rec.ham-radio
Subject: FEMA Grants for Packet Gear
Message-ID: <9010052154.AA12796@ucsd.edu>
Date: 5 Oct 90 20:20:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 41
Posted: Fri Oct 5 21:20:00 1990

Sorry to post this to the net, but once again, I can't seem to get there from here.

This is in response to a request I had some time back for information regarding a FEMA grant our county got to purchase packet radio equipment. We received a matching grant for a $6K package to buy two systems consisting of a laptop PC, two meter radio, TNC, ruggedized carrying case for it all, and associated parts and pieces.

----Transcript of message follows----
Date: 22 Aug 90 07:31:00 CDT
From: "LWRCLMR" <lwrclmr@sacemnet.af.mil>
Subject: FEMA Grant
To: "choke" <choke@milton.u.washington.edu>
cc: "scxc3" <scxc3@tincan.sawyer.af.mil>

Carl,
I only have sketchy information at this time. You would be best to write to our Emergency Services Director for the information on what he submitted.
Write to:

Marquette County Sheriff Dept
W. Baraga St
Marquette, MI 49855

ATTN: Lt Mike Zorza, Emergency Services

Phone: (906) 228-6980

Mike is a pretty good guy and has spent many years in the Emergency Services business and is also very good at getting grants. I'm sure if you write or call him, he can fill you in on the details.

Hope this helps.

Good luck in getting your ham ticket.

73,
Michael
WA7SKG

From 743160393564008707
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a846005af4cd8224
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 22:29:35 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!
apple!vsi1!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio

Subject: Re: Code Tset Gimmick. Was: Ham Radio Liscence
Message-ID: <4156@altos86.Altos.COM>
Date: 5 Oct 90 18:35:52 GMT
References: <1250242@hpnmdla.HP.COM> <1990Sep25.164049.450@mlb.semi.harris.com>
<1990Oct4.093841@ultnix.enet.dec.com>
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 20
Posted: Fri Oct 5 19:35:52 1990

In article <1990Oct4.093841@ultnix.enet.dec.com> taber@ultnix.enet.dec.com
(Patrick St. Joseph Teahan Taber) writes:

}We want volunteers, not vigilantes. If you volunteer to do a job and do it, you
}are deserving of the highest possible praise. If you volunteer to do a job and
}then betray those who trusted you by forcing your personal adgenda on the
}public, you deserve to be sued, flogged, dipped in hog vomit, fried to a crispy
}crunch and hung up as a warning to others who would subvert the volunteer's good
}work.

Or perhaps one could talk to the VE and let him know that what he is doing
is wrong. I'm sure that, when given the facts, he'd be happy to change his
test methods. Why fly off the handle and sue the guy? If he can't be
reasoned with, call the VEC and have them pull his acceditation.

```
--
Jerry Gardner, NJ6A                          Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos!jerry   2641 Orchard Parkway
Internet: jerry@altos.com                    San Jose, CA  95134
Guns don't kill people, bullets do.                   (408) 432-6200
```

From -5828824751252226796
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-06 03:25:16 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!shelby!neon!kaufman
From: kaufman@Neon.Stanford.EDU (Marc T. Kaufman)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Message-ID: <1990Oct6.015940.10567@Neon.Stanford.EDU>
Date: 6 Oct 90 01:59:40 GMT
References: <30583@netnews.upenn.edu> <260@bongo.UUCP>
Organization: Computer Science Department, Stanford University
Lines: 9
Posted: Sat Oct 6 02:59:40 1990

In article <260@bongo.UUCP> julian@bongo.UUCP (Julian Macassey) writes:

>   What do we lack? A distress frequency. One that works across the
>U.S., so if I fall in a hole in Chicago I can get help without having

```
>to make friends first.

How about 14310 KHz?

Marc Kaufman (kaufman@Neon.stanford.edu)


From -2843310464568483496
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,adb2dbed61f6cc06,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-06 05:27:35 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!decwrl!
ucbvax!HICKAM-EMH.AF.MIL!1843eie
From: 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE")
Newsgroups: rec.ham-radio
Subject: Morse Code and Musical Ability
Message-ID: <9010060239.AA16643@uunet.uu.net>
Date: 6 Oct 90 02:40:06 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 44
Posted: Sat Oct  6 03:40:06 1990
X-Unparsable-Date: 5 Oct 90 16:44:00 GMT-10:00


                   I N T E R O F F I C E   M E M O R A N D U M

                                        Date:      5-Oct-1990 04:41pm HST
                                        From:      1843EIG/EIE
                                                   1843EIE
                                        Dept:      1843EIG/EIE
                                        Tel No:    656-1158

TO:  Remote Addressee                     ( _INFO-HAMS%UCSD.EDU@UUNET.UU.NET )


Subject: Morse Code and Musical Ability


>Musical "aptitudes" are actually 3 (According to Johnson-O'Connor, a
>leading aptitude testing house)
>
>Musical aptitudes are: rhythm memory
>                       tune(tone) memory
>                       pitch discrimination
>
>
>Rhythm memory would be most useful for CW. The other two not likely.
>

Seems to me that pitch discrimination would be rather useful when the
wetware between yer ears is trying to separate two stations that both
```

fit inside your 500 or 270Hz CW filter. Comments?

>
>When I took the tests, I tested average for rhythm and above avg for
>the others.
>
>
>Ron
>NW0U

73,
Jeff WD6CQV/KH6 AFA8JM
1843eie"at"HICKAM-EMH.AF.MIL
(10 yrs of concert/marching band experience and I still can't bust 15 wpm!)

 fr

From -2952249864991598351
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1ab73dc1060ca267
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-06 07:08:17 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!udel!haven!decuac!shlump.nac.dec.com!ricks.enet.dec.com!reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: Re: ARRL policy
Message-ID: <15852@shlump.nac.dec.com>
Date: 6 Oct 90 02:50:16 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation - Hudson, MA
Lines: 25
Posted: Sat Oct 6 03:50:16 1990

>David.Stark@f218.n260.z1.FIDONET.ORG (David Stark) complains:
>
>   FWIW, I have been an ARRL member since 1981 (my first year
>licensed) and have just renewed my own membership. I am annoyed at
>the Board minutes in last month's issue detailing the creation of
>several new paid staff positions at HQ. I don't recall being asked if
>I wanted to hire anybody else.

Are you asked personally when your home state seeks to raise its income tax from 5% to 5.75%? Of course not! You have elected representatives in the state legislature to do that for you. The same goes for the ARRL. They have division directors and section managers. If you don't approve of something they're doing, contact your local representative.

jim, AD1C

=-=

"The opinions expressed here in no way represent the views of Digital
Equipment Corporation."

```
James J. Reisert                Internet: reisert@ricks.enet.dec.com
Digital Equipment Corp.         UUCP:     ...decwrl!ricks.enet!reisert
77 Reed Road
Hudson, MA  01749-2895
```

```
From -2955001026833271575
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,142283e53a33c3ad,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-06 07:39:14 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!rutgers!ka2qhd!w2up
From: w2up@ka2qhd.UUCP (Barry Kutner W2UP)
Newsgroups: rec.ham-radio
Subject: KDK FM-240 mods wanted
Keywords: KDK FM240, out of band
Message-ID: <353@ka2qhd.UUCP>
Date: 5 Oct 90 18:21:19 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 3
Posted: Fri Oct  5 19:21:19 1990
```

I'm looking for info on how to extend receiver coverage on KDK FM-240.
Any info appreciated. 73/Barry W2UP.

```
From 5678376154090604725
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-06 07:53:02 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!
phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <30500756@ux1.cso.uiuc.edu>
Date: 6 Oct 90 04:34:00 GMT
References: <9010042128.AA19441@tilde>
Lines: 12
Nf-ID: #R:<9010042128.AA19441@tilde>:-26:ux1.cso.uiuc.edu:30500756:000:532
Nf-From: ux1.cso.uiuc.edu!phil    Oct  5 23:34:00 1990
Posted: Sat Oct  6 05:34:00 1990
```

```
> In article <30500755@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
> >1.  Give the dispatcher some sort of handle to call you by, so they can
>
> My "handle"'s Porcelain.  What's your's?
```

CB handles are probably not a good idea, but it's better than making the
dispatcher say "will the person at the accident scene please come back on
the radio, we have another question".

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 8456269519792108799
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb108b67bb5a46d6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-06 07:53:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!agate!linus!
philabs!ttidca!sorgatz
From: sorgatz@ttidca.TTI.COM (Avatar)
Newsgroups: rec.ham-radio
Subject: Re: Auto Alarm Remotes
Message-ID: <20343@ttidca.TTI.COM>
Date: 5 Oct 90 22:23:02 GMT
References: <34407@cup.portal.com> <308@ssc.UUCP> <30468@netnews.upenn.edu>
Organization: Citicorp/TTI, Santa Monica
Lines: 19
Posted: Fri Oct 5 23:23:02 1990

In article <30468@netnews.upenn.edu> depolo@eniac.seas.upenn.edu (Jeff DePolo)
writes:
+BTW, what's stopping car thiefs who are aware of Lo-Jack from buying
+a $200 frequency counter from checking for 900 MHz signals? Seems
+simple enough to me.

 Except that Lo-Jak is only activated *after* the crime of auto theft is
accomplished! :-) Even then, it would be dificult, if not impossible for
the thief to deactivate the unit. They do not use the car's electrical
system for their input power (actually it does, but just to keep the 13v
nicads peaked!) nor is there any visible antenna that might be ripped
loose to prevent the transmissions from happening. Not a bad system, but
a bit pricey here in L.A. at $300-1200 installed.

```
-Avatar-> (aka: Erik K. Sorgatz) KB6LUY           +-------------------------+
Citicorp(+)TTI                                   *----------> panic trap; type = N+1 *
3100 Ocean Park Blvd. Santa Monica, CA  90405     +-------------------------+
{csun,philabs,psivax,pyramid,quad1,rdlvax,retix}!ttidca!sorgatz **
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR ITS MANAGEMENT!)
```

From -7895639115765932915
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e37e781a51ca2238,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-06 08:27:23 PST

Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: Continued Code Bickering
Message-ID: <9010061305.AA02453@cmr.ncsl.nist.gov>
Date: 6 Oct 90 13:05:09 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 8
Posted: Sat Oct 6 14:05:09 1990

Isn't it about time to reduce the net bandwidth taken by this subject. The
FCC has closed its comment periods, so now let's drop the subject for a while.
I can't see how continued bickering here about the cw requirement
serves either camp on the issue.
At least until the FCC comes out with the "wrong" decision (whichever side
you're on).

Regards, W3OTC

From -5543208168742370422
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7d603a2a6ebbab75,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7d603a2a6ebbab75,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-06 08:41:43 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!mintaka!olivea!samsung!
zaphod.mps.ohio-state.edu!wuarchive!udel!princeton!kb2ear!n2aam
From: n2aam@kb2ear.UUCP (Dave Marthouse N2AAM)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: nasa frequencies
Keywords: nasa space shuttle communications
Message-ID: <17@kb2ear.UUCP>
Date: 6 Oct 90 12:07:37 GMT
Organization: KB2EAR Public Access UN*X System, Kendall Park, NJ
Lines: 7
Xref: gmdzi rec.radio.shortwave:2325 rec.ham-radio:15465
Posted: Sat Oct 6 13:07:37 1990

Does anyone know the frequencies nasa uses
on hf for communications? Any information would be appreciated.
Dave Marthouse
n2aam@kb2ear.UUCP
packet n2aam @ wa2sna-1
fido dave marthouse 1:107/334

From 1143864967656479757
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,56695760eb180348
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-06 08:42:36 PST
Path: gmdzi!unido!mcsun!uunet!timbuk!cs.umn.edu!msi.umn.edu!srcsip!uwm.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was
Message-ID: <60.270DD70F@rochgte.FIDONET.ORG>
Date: 6 Oct 90 00:24:49 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 36
Posted: Sat Oct 6 01:24:49 1990

> From: alanb@hpnmdla.HP.COM (Alan Bloom)
>
> > >My personal interpretation of this law is this. If I have my radio
> > >with me and it can communicate with the authorities, then IS is THE
> > >fastest means possible.
> >
>
> It might be instructive to consider a slightly different situation.
> You come upon a car accident involving a police car where the officer has
> been knocked unconscious. Do you reach into the police car, grab the mic,
> and call for help on the police radio?
>
> My answer is NO, if I have two meters available, and YES if there is no
> other means of communication handy.

This is a different situation indeed. Speaking as an experienced police dispatcher, I would say that the department would wonder why the ham insisted on using his/her own radio for something that urgent. Calling for an "officer down" or "officer in trouble" is probably the most urgent call you could make to a police department (by their standards). Certainly it would justify ANYONE'S use of the patrol car radio.

On the other hand, it is quite silly (yes, I've heard it done) to autopatch an accident report with emergency units already at the scene.

73 de Dave, NF2G

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

```
From 4908753304614091603
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-06 14:19:42 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!wuarchive!zaphod.mps.ohio-state.edu!
ncar!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Message-ID: <4895@qip.UUCP>
Date: 5 Oct 90 22:40:20 GMT
References: <30583@netnews.upenn.edu> <9695@uhccux.uhcc.Hawaii.Edu>
<45485@unix.cis.pitt.edu>
Organization: Anasazi, Inc.  Phoenix, Az
Lines: 22
Posted: Fri Oct  5 23:40:20 1990

In article <45485@unix.cis.pitt.edu> hpb@unix.cis.pitt.edu (Harry P Bloomberg)
writes:
]
]   2) Most repeater groups in Western Pennsylvania make their lists of
]emergency access codes available only to dues-paying members.  Based upon
]my travels, this seems to be true elsewhere.

This is a real shame! I can understand if clubs want to keep their
autopatches private, but there should be a known code for emergency
access. Here in AZ, the Arizona Repeater Association has 3 open-to-all
auto-patches.
]
]   3) What is needed is a nationwide standard repeater code for accessing
]emergency services.  Repeaters adhearing to this standard would be highlighted
]in the Repeater Directory.  Any visitors to an area needing assistance would
]simply look up the nearest repeater with the standard code and call for help.
I agree.
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326        Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.
```

```
From -2101276305257400340
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6e5acbec5492652d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-06 14:24:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpcc05!hpcuhb!hpindda!jts
From: jts@hpindda.cup.hp.com (Jeffrey Shimbo)
```

Newsgroups: rec.ham-radio
Subject: Re: Moffett Air Show Freq.
Message-ID: <5120012@hpindda.cup.hp.com>
Date: 5 Oct 90 22:56:47 GMT
References: <06Pq02p5cfjU01@amdahl.uts.amdahl.com>
Organization: HP Information Networks, Cupertino, CA
Lines: 12
Posted: Fri Oct 5 23:56:47 1990

>During their practice on Tuesday, we monitored the 10-12 frequencies that
>we have gathered, and found activity on these three:
>
>   307.7 AM - #1 leader ('boss') [NOT in the above list]
> [...]
>Don North   -----   Apple Computer, Inc.   -----   Advanced Technology Group

A few years ago, when the T-birds were at Moffet (1988?) the "boss" was repeated on 123.40, the "common airshow frequency" mentioned in an earlier posting.

Jeff

From -6963556668922922764
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd66be2584b7c901
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f74ae,cd66be2584b7c901
X-Google-Attributes: gidf74ae,public
X-Google-ArrivalTime: 1990-10-06 17:28:45 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!ub!bowen
From: bowen@cs.Buffalo.EDU (Devon E Bowen)
Newsgroups: sci.astro,rec.ham-radio
Subject: Re: Amateur Radio Astronomy mailing list
Keywords: astronomy microwaves vhf uhf
Message-ID: <1990Oct6.201617@cs.Buffalo.EDU>
Date: 7 Oct 90 00:16:17 GMT
References: <1990Oct5.183512.8927@bnrgate.bnr.ca>
Sender: news@acsu.Buffalo.EDU
Reply-To: bowen@cs.Buffalo.EDU (Devon E Bowen)
Followup-To: sci.astro
Organization: State University of New York at Buffalo/Comp Sci
Lines: 9
Xref: gmdzi sci.astro:6097 rec.ham-radio:15472
Posted: Sun Oct 7 01:16:17 1990
Nntp-Posting-Host: castor.cs.buffalo.edu
Originator: bowen@castor.cs.buffalo.edu

In article <1990Oct5.183512.8927@bnrgate.bnr.ca>, mleech@bwdlh131.bnr.ca (Marcus Leech) writes:
> Send your subscription requests to radio-astro-request@cs.buffalo.edu
>   Messages may be sent to radio-astro@cs.buffalo.edu

Note that the list wasn't fully established until after this was posted. If you sent a request that bounced, please resend.

Devon

From 8471896837357117438
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98ac5e51e02e1132,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-06 19:27:16 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: SOLAR TERRESTRIAL FORECAST AND REVIEW
Message-ID: <901006194156.24001269@HG.ULeth.CA>
Date: 7 Oct 90 01:41:56 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 375
Posted: Sun Oct 7 02:41:56 1990

The response I received from the previous Solar Terrestrial Forecast and Review posting was large enough that I have decided to make the reports a regular weekly feature. In addition to the weekly reports, I will post special flare reports for all major flare occurrences as well as special geomagnetic storm alerts and descriptions/forecasts of these events. However, these special reports will only follow major noteworthy events and will not be a regular part of the Solar Terrestrial Forecast and Review.

Comments and/or suggestions are welcome.

-Cary Oler
University of Lethbridge, Alberta
INTERNET: std_oler@hg.uleth.ca

-------------------------------- Cut Here ------------------------------------

--- SOLAR TERRESTRIAL FORECAST AND REVIEW ---
October 06 to October 16, 1990

Report Based In-Part from Data Obtained from the
Space Environment Services Center
Boulder Colorado

BRIEF SOLAR TERRESTRIAL REVIEW AND SHORT-TERM FORECAST

Solar activity between 29 September and 06 October was Low. No major active centers were visible on the solar surface this week, although several moderately large spot groups did traverse the disk. In particular, Region 6294 (located at S05W57 on 05 October) is the largest visible spot group on the disk, covering an area of 1,440 million square kilometers (900 million square miles) encompassing a total of 26 sunspots. Although this spot group is moderate in size (class DKO system), it is a relatively simple and non-threatening bipolar group. Region 6294 is the next biggest active region (located at S16E48 on 05 October). This region covers an area of 1,290 million square kilometers (806 million square miles) but only encompasses a total of 7 individual sunspots. The largest spot is, however, a visibly large k-type sunspot. Region 6294 is a relatively simple bipolar group. Region 6297 (located at N20E09 on 05 October) is a relatively compact bipolar system consisting of 24 small spots (largest spot a type a-spot) within a region boundary of 330 million square kilometers (206 million square miles).

Flare output this week was low. The largest flares were C-class x-ray events and subflares. Several bright surges occurred this week, two of which occurred on 05 October. The first bright surge occurred near N25W90 at 06:07 UT and was attributed to Region 6303 which has now crossed the western limb. Region 6283 also produced a bright surge near S10W90 at 12:37 UT while crossing the western limb.

Solar activity is expected to remain low until at least 10 October when a few moderately active regions are due to return. Predicted 10.7 cm solar flux values for 07 to 08 October are 170 and 175 respectively. There is only a 20% chance of an isolated M-class flare throughout the next three days. There is no chance of an X-class or a Proton flare from any of the simple active regions currently on the solar disk.

The most recent sunspot number (for 05 October) was 181 accompanied with a 10.7 cm solar flux of 169. The solar x-ray background intensity on 05 October was at a class B8.6 level. A brief radio burst of 245 s.f.u. occurred between 01:41 and 01:42 UT on 05 October at a frequency of 245 MHz.

Coronal hole effects are believed responsible for the recent increase in geomagnetic and auroral activity. Periods of Active to Minor Storm levels have been observed at high latitudes accompanied with visual auroral activity. The increased geomagnetic activity is expected to remain at mostly Unsettled levels for the next several days. Activity is expected to increase to mostly Unsettled to Active levels between 08 October and 13 October due to coronal effects afterwhich it should again subside to Unsettled levels. No geomagnetic storms are currently anticipated from this activity, although localized minor storming may be possible at high latitude and nothern middle latitude locations. Global geomagnetic activity is expected to keep the planetary magnetic A-index at or near 15 for the next two days (ending 08 October).

Radio propagation over middle and high latitude paths has been disrupted due to auroral activity. Moderate rapid fading in middle to high latitude path signals is anticipated for the next several days until geomagnetic and auroral activity subsides. Geomagnetic and auroral-based signal aberrations will be worst between approximately 10 pm and 5 am local time for middle and high latitude paths. Low latitude and southerly middle latitude paths should escape many of these effects, retaining mostly good to very good propagation throughout the period.

SUMMARY OF ALL ACTIVE REGIONS VISIBLE ON THE SOLAR DISK AS OF 06 OCTOBER

Region #	Location	LO	Area	Class	LL	Spots	Magnetic Type
6292	S16W27	286	0030	AXX	02	003	SINGLE POLARITY
6294	S05W57	316	1440	DKO	10	026	BIPOLAR
6296	N33E04	255	0030	BXO	03	002	BIPOLAR
6297	N20E09	250	0330	DAO	10	024	BIPOLAR
6300	N12E32	227	0420	DAO	09	016	BIPOLAR
6302	S16E48	211	1290	DKO	07	007	BIPOLAR
6304	S15E06	253	0180	DAO	04	007	BIPOLAR
6305	N17E27	232	0060	BXO	02	005	BIPOLAR
6306	S23E65	194	0000	AXX	00	001	SINGLE POLARITY

NOTES:

"Location" is the location of the center of the active region as measured from the central meridian of the solar disk. "LO" represents the actual heliographic longitude of the active region. "Area" is the area of the active region given in million square kilometers. "Class" represents the Modified Zurich (McIntosh) Sunspot Group classification (consult a good text on sunspots for a description of these classes). "LL" represents the angular extent of the active region (in heliographic degree's). "Spots" gives the number of sunspots which were visible within the active region at the time of observation (this value is dependent upon the location of the active region on the solar disk). "Magnetic Type" specifies the type or class of magnetic behavior within the active region. Potentially potent active regions almost always have complex magnetic field configurations. Therefore, the potency of a specific active region can usually be estimated by observing the magnetic type of the active region. Single and bipolar regions are usually too simple to produce significant solar activity.

ACTIVE REGIONS DUE TO RETURN BETWEEN 06 OCTOBER AND 08 OCTOBER

Region	Latitude	Longitude (Helio.)
6263	N10	152
6266	S27	145
6267	S12	145

GRAPHICAL ANALYSIS OF RECENT GEOMAGNETIC ACTIVITY - BOULDER COLORADO

```
                  Cumulative Geomagnetic Activity History
             Peak Geomagnetic Activity during the past 87 hours

     _________________________________________________________________
    |  EXTREMELY SEVERE |        |        |        |     | VERY HIGH! |
    | VERY SEVERE STORM |        |        |        |     | HIGH       |
    |      SEVERE STORM |        |        |        |     | MODERATE   |
    |       MAJOR STORM |        |        |        |     | MODERATE   |
    |       MINOR STORM |        |        |        | *   | LOW        |
    |       VERY ACTIVE |        |   **   |        | **  | NONE - LOW |
    |            ACTIVE |     *  |******* |***** * |*** *| NONE       |
    |         UNSETTLED |* ******|********|********|*****| NONE       |
    |             QUIET |********|********|********|*****| NONE       |
    |        VERY QUIET |********|********|********|*****| NONE       |
    |-------------------|--------|--------|--------|-----|------------|
    | Geomagnetic Field |  Wed.  |  Thu.  |  Fri.  | Sat.|  Anomaly   |
    |    Conditions     |    Given in 3-hour intervals   | Intensity  |
    |_________________________________________________________________|
```

NOTES:
       This graph ONLY depicts geomagnetic conditions observed at Boulder, Colorado for the past 87 hours. Conditions to the north of Boulder will generally have slightly higher activity than Boulder, while conditions to the south of Boulder will likely have lower activity than those depicted here. However, the plots should present a good approximate average of planetary geomagnetic conditions.

       "Anomaly Intensity" is meant to represent nothing more than a very rough guide to the --potential-- interaction geomagnetic fluctuations --might-- have on earth-based systems sensitive to magnetic fluctuations (ie. electrical power distribution networks, telecommunications networks, etc.).

       For radio signal propagation purposes, plot lines are approximately proportional to propagation quality when plot lines are below Minor Storm conditions. Propagation quality may deteriorate rapidly (ie. non-proportionally) when plot lines reach or exceed Minor Storm levels. Complete radio blackout conditions on all short-wave frequencies may occur if plot lines reach or exceed Severe Storm levels.

PLANETARY 10-DAY GEOMAGNETIC ACTIVITY OUTLOOK (07 OCTOBER - 16 OCTOBER)

```
    ________________________________________________________________________
   |  EXTREMELY SEVERE |   |   |   |   |   |   |   |   |   |   | VERY HIGH! |
   | VERY SEVERE STORM |   |   |   |   |   |   |   |   |   |   | HIGH       |
   |      SEVERE STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MAJOR STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MINOR STORM |   |   |   |   |   |   |   |   |   |   | LOW        |
   |       VERY ACTIVE |   |   |   |   |   | * |   |   |   |   | NONE - LOW |
   |            ACTIVE | * | * |** |** |***|***|** |   |   |   | NONE       |
   |         UNSETTLED |***|***|***|***|***|***|***|***|***|***| NONE       |
   |             QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |        VERY QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |-------------------|---|---|---|---|---|---|---|---|---|---|------------|
   | Geomagnetic Field |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|  Anomaly   |
   |    Conditions     |       Given in 8-hour intervals       | Intensity  |
   |________________________________________________________________________|
```

NOTES:
       Predicted geomagnetic activity is based heavily on recurrent phenomena. Transient energetic solar events cannot be predicted reliably over periods in

excess of several days. Hence, there may be some deviations from the predictions due to the unpredictable transient solar component.

GRAPHICAL ANALYSIS OF SOLAR ACTIVITY OVER THE PAST 60 DAYS

```
                   Cumulative Graphical Analysis of
                           Solar Activity

    ------------------------------------------------------------
325|                                                            | V.HIGH
313|              * * F                                         | V.HIGH
300|              *** F                                         | V.HIGH
288|             *****F                   F = Major Flare(s)    | HIGH
275|            ******F                                         | HIGH
263|           *******F                                         | HIGH
251|           *******FF                                        | MOD.
238|           *******FF*                                       | MOD.
226|          ********FF*                                       | MOD.
213|         *********FF**                                      | MOD.
201|        **********FF***              ** F**                 | MOD.
189|       ***********FF***            *****F*****              | LOW
176| *F***************FF****          ******F*******        **  | LOW
164|**F***************FF******      ********F********       ****| LOW
151|**F***************FF********************F*********   *******| LOW
139|**F***************FF********************F*******************| LOW
    ------------------------------------------------------------
               Cumulative 60 day Solar Activity Record
                   Start Date:  August 8, 1990
```

NOTES:

Left-hand column digits represent the 10.7 cm solar radio flux obtained from Ottawa. The right-hand column describes the relative solar activity for that period based on the average number of major and minor flares that can be expected for related solar flux values. Plot lines labeled with the letter "F" represent days where at least one major flare occurred (ie. class M5 or greater flare).

RADIO SIGNAL PROPAGATION PREDICTIONS (07 OCTOBER - 16 OCTOBER)

```
                              High Latitude Paths

            --------------------------------------------------------
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |   |   |   |   |   |   |   |   |   |   |
           |           GOOD |   |   |   |   |   |   |   |   |   |   |
           |           FAIR |  *|   |   |   |   |   |   |   |  *|  *|
           |           POOR |** |***|* *|* *|* *|***|***|***|** |** |
           |      VERY POOR |   |   | * | * | * |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Each Line Represents 8-Hours      |
            --------------------------------------------------------
```

```
                             Middle Latitude Paths

            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |   |   |   |   |   |   |   |   |   |   |
           |           GOOD |* *|* *|  *|   |   |  *|* *|* *|***|* *|
           |           FAIR | * | * |** |***|***|** | * | * |   | * |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Each Line Represents 8-Hours      |
            --------------------------------------------------------

                                Low Latitude Paths

            ________________________________________________________
           | EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
           |      VERY GOOD |***|* *|   |   |   |   |   |* *|***|***|
           |           GOOD |   | * |***|***|***|* *|***| * |   |   |
           |           FAIR |   |   |   |   |   | * |   |   |   |   |
           |           POOR |   |   |   |   |   |   |   |   |   |   |
           |      VERY POOR |   |   |   |   |   |   |   |   |   |   |
           | EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |    QUALITY     |     Each Line Represents 8-Hours      |
            --------------------------------------------------------

NOTES:
       High latitudes >= 55       degree's north latitude
     Middle latitudes >= 40 < 55  degree's north latitude
        Low latitudes  < 40       degree's north latitude


AURORAL ACTIVITY PREDICTIONS (07 OCTOBER - 16 OCTOBER)

                            High Latitude Locations

            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   |   |   |   |   |   |   |   |
           |       MODERATE | * | * | **| **|***|***| * |   |   |   |
           |            LOW |***|***|***|***|***|***|***|***|***|***|
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------

                          Middle Latitude Locations

            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
|      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
|           HIGH |   |   |   |   |   |   |   |   |   |   |
|       MODERATE |   |   | * | * | * | * |   |   |   |   |
|            LOW |***|***|***|***|***|***|***|***| * | * |
|    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
|----------------|---|---|---|---|---|---|---|---|---|---|
|    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
|   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
 --------------------------------------------------------

                  Low Latitude Locations
 ________________________________________________________
| EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
|      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
|           HIGH |   |   |   |   |   |   |   |   |   |   |
|       MODERATE |   |   |   |   |   |   |   |   |   |   |
|            LOW |   |   |   |   |   |   |   |   |   |   |
|    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
|----------------|---|---|---|---|---|---|---|---|---|---|
|    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
|   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
 --------------------------------------------------------
```

NOTES:

Latitudinal boundaries are the same as those given above for radio propagation quality. Periods of high auroral activity may be suitable for auroral-propagation. Locally visible moderate auroral activity will almost always cause moderate to strong deterioration in HF signals, while locally visible high auroral activity will render most HF bands useless.

Auroral activity is defined as follows:

NOT VISIBLE:	Not visible
LOW:	Diffuse, inactive auroral activity visible very near the northern horizon for mid and low latitudes.
MODERATE:	Visibly active, but not exceptionally bright auroral activity most visible above the northern horizon for mid to high latitudes. This type of activity usually encompasses torch-like (or beam-like) aurorae mixed with low-intensity curtain aurorae.
HIGH:	Visibly very active, with periods of bright, pulsating curtain aurorae possibly mixed with moderate intensity zenith aurorae. Can occur to the north as well as stretching up near the zenith, particularly at middle latitudes. There may be some color fluctuations discernable.
VERY HIGH:	Very active, very bright and very colorful auroral activity possibly mixed with intense zenith and curtain aurorae. Visibly strong pulsations with

auroral boundaries to the zenith, stretching even partway to the southern hemisphere of the sky.

EXTREMELY HIGH: Rare, incredibly bright auroral activity with rapid color and brightness fluctuations mixed with very strong rapid auroral pulsations visible throughout the entire sky.

There are three plotted lines per day in the auroral activity prediction charts. Each of these three plotted lines represent three periods during the evening/morning when auroral activity can be seen. The first line represents the evening twilight period. The middle line represents the --local-- midnight sector, while the last line of each day represents the morning twilight period.

The auroral activity predictions charts are heavily based on recurrent phenomena and may not be accurate in the longer-term due to unforseen and unpredictable transient events (ie. such as solar flares).

The visibility of auroral activity depends on your location and the brightness of the sky (which is dependent upon both city lights and lunar phase). These charts do not account for these variations. The charts are based on dark-sky conditions (lunar phase excluded). Aurorae occur independent of sky brightness, so just because auroral activity may not be directly visible (due to lunar phase, for example) does not mean auroral activity isn't in progress.

** End of Report **

From -8919557595543877130
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,615d799ffa6ed756,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-06 21:38:58 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Amsat news
Summary: aus.radio.amsat
Message-ID: <328@ssc.UUCP>
Date: 6 Oct 90 18:06:04 GMT
References: <15786@shlump.nac.dec.com>
Organization: very little
Lines: 20
Posted: Sat Oct 6 19:06:04 1990

In article <15786@shlump.nac.dec.com>, wim@hlis07.dec.com (W.M. Beekman jr.-PA3AGZ Digital Equipment Corp. [31]30-832088) writes:

>
> Hello All,
> If you have AMSAT news, please cross-post the article also in
> AUS.RADIO.AMSAT newsgroup.

I post the AMSAT news to rec.ham-radio weekly, but had never heard of
aus.radio.amsat. When I try to read aus.radio.amsat, ssc comes back
with "no such newsgroup."

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 4921436822909435194
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f2bec5dbeb275ff
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-06 21:39:02 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Novice test code requirement... Aga
Summary: code
Message-ID: <332@ssc.UUCP>
Date: 6 Oct 90 18:45:00 GMT
References: <121355@<90269> <30500754@ux1.cso.uiuc.edu>
Organization: very little
Lines: 101
Posted: Sat Oct 6 19:45:00 1990

In article <30500754@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:

Tad says:
>
> > After all of the anti-Morse flames, I found it refreshing to hear from a
> > newcomer who found the code test an interesting challenge, and not something
> > to be totally OUTRAGED about.

Phil:
>
> That aspect of his post was interesting. I am all for anyone choosing a
> challenge, and pursuing it the best that they can. But I hold just as much
> respect for someone who can recognize what they cannot achieve, and not
> wasting their own time in futile attempts. However not everyone has the
> ability to know exactly what they can and cannot do, and certainly no one
> knows these things about everyone else.

Tad says:
>
> > Of course, some folks just can't sit still while an opinion like this

```
> > is expressed.  I have found in the past that when I express the opinion
> > on rec.ham-radio or fidonet that I like Morse, and don't consider an
>                                 (1)^^^^^^^^^^^^   (2)^^^^^^^^^^^^^^^^
> > exam such an OUTRAGE, I usually get some flames from people who act as
>   ^^^^^^^^^^^^^^^^^^^^
> > if *I* invented the code test!  They usually take this misconception
> > rather personally, as though to have an opinion on anything somehow
> > is directed toward THEM.

Phil:
>
> There is absolutely nothing wrong with Morse Code, or as you mention in
> number (1), liking Morse Code.
> There is also nothing wrong with having a Morse Code exam, as you mention
> in number (2).
> However, the above two issues have NOTHING TO DO WITH the issue that has
> usually brought about the debate and the flames.
>
> The outrage is in actually requiring someone to take and pass one of those
>     ^^^^^^^(my opinion)
> Morse Code tests just to get access to a controlled public resource when
> the code is not an essential skill to make proper use of that resource.


Are you outraged at ME because demonstrating the use of hand signals is
still required on the drivers exam?  Are you outraged at ME if you go to
engineering school, and are required to take some liberal arts courses?

Phil:

> If you disagree with the above statement I made, then that is the difference
> in our opinions.  The communications of these opinions is made difficult by
> the confusion between the different subissues.  For instance, people seem to
> be associating:
>         "I like Morse Code"  <==>  "Let's keep the code requirement"
>         "I hate Morse Code"  <==>  "Let's get rid of the code requirement"
>

Fairly recently, I was in favor of some kind of Morse-free ham exam.  But
now I am not so sure.  I'm not so sure that the code test is too tough
anymore, and I wonder if we really need to eliminate the only demonstration
of operating skill on the exam.

I keep running into folks (in person, not on rec.ham-radio) who have some
kind of interest in ham radio, but say they can't learn the code.  After
further questioning, my suspicion is that they have never really spent
any time and effort on it.  There are a lot of folks who have a 2 minute
attention span.  I have a feeling that if we eliminate one part of the
exam, there will still be folks complaining about the other part.

The tests have slowly become easier and easier in the years since I
passed my Novice as a 12 year old in the mid-1960s.  I believe that
there will always be pressure to make the tests easier.  When do we
```

stop?

> Tad, please let us know what you do believe in; what your opinions are.
> Opinions themselves are not subject to debate, because they represent what
> you are, and that is simply fact about you. What could be subject to
> debate are the facts you might use in support of your opinion.

I believe that it was too bad when a new licensee wrote a nice simple posting on here saying that he had studied the code, passed the exam, and found the experience enjoyable, and then someone describes their TOTAL OUTRAGE, as if by passing the exam he was engaging in some kind of evil conspiracy to drag us back into the 1950s.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

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From -8831234679753680546
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-06 22:50:13 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Summary: Ham phone patches
Message-ID: <1393@ke4zv.UUCP>
Date: 6 Oct 90 22:53:39 GMT
References: <30583@netnews.upenn.edu> <9695@uhccux.uhcc.Hawaii.Edu> <45485@unix.cis.pitt.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 44
Posted: Sat Oct 6 23:53:39 1990

In article <45485@unix.cis.pitt.edu> hpb@unix.cis.pitt.edu (Harry P Bloomberg) writes:
>   2) Most repeater groups in Western Pennsylvania make their lists of

>emergency access codes available only to dues-paying members. Based upon my travels, this seems to be true elsewhere.
>
>   3) What is needed is a nationwide standard repeater code for accessing emergency services. Repeaters adhearing to this standard would be highlighted in the Repeater Directory. Any visitors to an area needing assistance would simply look up the nearest repeater with the standard code and call for help.

This is a shame. Most of the repeaters here in Atlanta use * up # down for the emergency patch and other proprietory codes for the general patch. One problem is that there are greater than 20 jurisdictions in our coverage area that use enchanced 911. You will, of course, be routed to the jurisdiction WHERE THE REPEATER is located not where you are. There are intertie methods used by the 911 operators, but this is causing more and more problems. Our club's two machines are unique in allowing OTHER three digit codes to access direct lines into the emergency centers of the other jurisdictions as well as 911 to Fulton County.

I am not a personal fan of autopatches in general and find that most of the emergency patches I monitor about traffic accidents result in a redundant report since a cell phone user has already reported the incident in a form the dispatcher is more familiar with handling. I do support the club patch, however, for those rare times when the emergency patch has been first to report an accident. I don't use the general patch for a several reasons. I find very few times when it is necessary to make a call that would be legal. I find that most non-hams have difficulty dealing with a half duplex call. And I prefer privacy for my personal calls.

We have several club members who use the patch very very frequently. Some of their calls seem of dubious legality and most seem very frivolous. Our club rules say that patches have priority so we have to patiently stand by and let the patchers play. More times than not the content of the patch is "Honey I just left the office". An office that I'm sure had plenty of telephones available. Phew! At least the pseudo business users are getting music on hold more and more lately. Even they realize they can't get away with listening to music on the amateur bands.

Sorry about drifting off the subject, but I just listened to three of these nimrods making dumb patches.

Gary KE4ZV

From 3788100932802216912
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb108b67bb5a46d6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-06 22:54:09 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio

Subject: Re: Auto Alarm Remotes
Message-ID: <1394@ke4zv.UUCP>
Date: 6 Oct 90 23:02:15 GMT
References: <30468@netnews.upenn.edu> <319@ssc.UUCP> <321@ssc.UUCP>
<1990Oct5.035706.23012@nntp-server.caltech.edu> <5432@ptsfa.PacBell.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 29
Posted: Sun Oct 7 00:02:15 1990

In article <5432@ptsfa.PacBell.COM> dmt@PacBell.COM (Dave Turner) writes:
>In article <1990Oct5.035706.23012@nntp-server.caltech.edu> slr@tybalt.caltech.edu
(Steve Rhoades) writes:
>>A frequency counter and/or an RF Field strength meter wouldn't do a car thief
>>any good. As mentioned in previous articles, LoJack ISN'T activated UNTIL
>>the owner of the car finds his/her car stolen. Often, this can be several
>>hours.
>
>It seems to me that it would do a great deal of good.
>
>If I were a car thief *and* was driving a car that I had just stolen *and*
>had a scanner/counter/fsm *and* the scanner suddenly indicated a strong
>signal then I'd know that every cop in town would start looking for the
>car that I would be in. I'd park it, wipe off any fingerprints and take
>a bus out of the area pronto.

Professional car thieves would have the car on a transporter out of state
or in a chop shop inside an hour. The amateurs are usually just joyriders
anyway and will abandon the car when it's time for them to go home to
mommy. LoJack may help you find the abandoned car, but if a Pro got it,
you'll be buying it's parts back at the corner auto parts house tommorrow.

Gary KE4ZV

From -5642500769447221359
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a98733839340f8f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-07 00:17:59 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!RIGEL.TAMU.EDU!JWJ2047
From: JWJ2047@RIGEL.TAMU.EDU (N5PYK)
Newsgroups: rec.ham-radio
Subject: University Radio Clubs (TAMU)
Message-ID: <901007020925.27c06e9a@RIGEL.TAMU.EDU>
Date: 7 Oct 90 07:09:25 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 26
Posted: Sun Oct 7 08:09:25 1990

Howdy!
Saw the interest for University ARC's so I thought I put two or

three cents in. The Texas A&M ARC (W5AC) is another one of those
oldest clubs on campus. Actually we have been around since 1912.
We operate all HF bands, 6m, 2m 70cm and a few members even fool around
with 10.328 Ghz. We are also active on AO-13 and packet--I think we
have 4 nodes here at TAMU--you would have to check with our packetmaster
AA5AV. If you hear us on, give us a shout. Generally someone is operating
around lunchtime (12 - 1:45 CDT) on weekdays. Anyone wishing to sched
can give me a yell via network mail or on the air.

Incidently W5AC will be operating a special events station on November 29, 1990
CQ Bonfire will be active on all bands depending on the number of people
in the shack that can work the station during the day. This special events
station will be commemorating the 80th burning of the Texas A&M Aggie Bonfire
which is held each year before the game against Texas (t.u.). All stations
are invited to work W5AC. More details later.....

73

Joe Jurecka
N5PYK
Internet JWJ2047@VENUS.TAMU.EDU
BITNET   JWJ2047@TAMVENUS.BITNET
THENET   VENUS::JWJ2047
PACKET   N5PYK@W5AC.TX

From -5202828185186216531
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb108b67bb5a46d6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-07 01:18:32 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!jarthur!nntp-server.caltech.edu!
tybalt.caltech.edu!slr
From: slr@tybalt.caltech.edu (Steve Rhoades)
Newsgroups: rec.ham-radio
Subject: Re: Auto Alarm Remotes
Message-ID: <1990Oct7.075741.17661@nntp-server.caltech.edu>
Date: 7 Oct 90 07:57:41 GMT
References: <1990Oct5.035706.23012@nntp-server.caltech.edu>
<5432@ptsfa.PacBell.COM> <1394@ke4zv.UUCP>
Sender: news@nntp-server.caltech.edu
Organization: California Institute of Technology, Pasadena
Lines: 22
Posted: Sun Oct 7 08:57:41 1990
Nntp-Posting-Host: tybalt.caltech.edu

>> [...discussion of car thieves being able to detect Lojack in a
>>   vehicle they were stealing deleted...]

Gary, KE4ZV, writes:
>Professional car thieves would have the car on a transporter out of state
>or in a chop shop inside an hour. The amateurs are usually just joyriders

>anyway and will abandon the car when it's time for them to go home to
>mommy. LoJack may help you find the abandoned car, but if a Pro got it,
>you'll be buying it's parts back at the corner auto parts house tommorrow.

If I were a "pro" car thief, I would have a large, 18 wheel truck that
I could drive the car into after ripping it off.
This 18 wheeler would be heavily shielded. Sort of a large, mobile
Faraday cage :-).

--
Internet: slr@tybalt.caltech.edu | Voice-mail: (818) 794-6004
UUCP: ...elroy!tybalt!slr | USmail: Box 1000, Mt. Wilson, Ca. 91023

In consideration of others, please refrain from smoking while on the Internet.

From -4101033208544552411
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2a34e5d36fa1b9dd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-07 05:56:37 PST
Path: gmdzi!unido!mcsun!uunet!nih-csl!lhc!ncifcrf!haven!udel!wuarchive!cs.utexas.edu!tut.cis.ohio-state.edu!unmvax!bbx!yenta!dt
From: dt@yenta.alb.nm.us (David B. Thomas)
Newsgroups: rec.ham-radio
Subject: MOD FOUND: widens 2sat xmit coverage
Keywords: 2sat mod transmit
Message-ID: <1894@yenta.alb.nm.us>
Date: 7 Oct 90 08:37:47 GMT
Organization: yenta unix pc, Rio Rancho, NM
Lines: 57
Posted: Sun Oct 7 09:37:47 1990

I have just discovered a way to turn off the policeman in the 2sat that stops the transmitter from operating outside of 140-150 mc. The only limitation is now transmit VCO lock range, which, out of the box, is about 137 to 162 mc. I'm sure by tuning a slug one could raise or lower this coverage "window".

To do the mod, you'll need a soldering iron with a VERY fine tip, some fine solder, some small screwdrivers, a 1N914 diode (or other small silicon diode), some fine (wire wrap) wire, and (probably) a magnifying glass!

Follow the directions on page 34 of the instruction booklet to take the unit apart. This allows the front panel to be removed from the radio. No further disassembly is required, or recommended. Watch out for the little springy-dingy that locks the battery in place on the radio (the book so cautions).

Looking at the inside of the front panel, you should easily spot the CPU chip. (it is even shown as a square symbol in the picture on page 34.) Just to the right of the bottom right portion of the CPU is a teeny three legged device, exactly to the right of which are three solder terminals where another such device could fit. Here's some ascii art:

```
  ||||||||||||||||||||
 |--------------------|
=|                    |=    vacant diode chip pads
=|                    |=                    |
=|                    |=             |
=|     C P U          |=                    /
=|                    |=   ---XX---     XX
=|                    |=   |      |
=|                    |=   -XX--XX-   XX  XX  <=== point A
=|                    |=
 |--------------------|      /        ---XX---  <=== point K
  ||||||||||||||||||||      |         |      |
                   |         -XX--XX-
                   |
              diode chips-----/
```

The scaling is pretty bad, but it's pretty easy to find the three unused pads, then look left for one diode chip, then down and to the right for the other, as shown.

To implement the mod, it is necessary to install a diode of your own from point A (anode) to point K (cathode) in the diagram above. These points are EXTREMELY close together, and the board is delicate, so I recommend the following:

Take a 1N914 diode and cut the leads to 1/8 inch or less, then solder fine (26 ga. or thinner) wires of different colors to the leads, noting which is the cathode and which is the anode. Now put a piece of heat shrink or tape over the diode so that only the little wires escape. This assembly can now be safely soldered into the circuit, and the unit carefully reassembled.

Reset the CPU (inside font cover of manual) and you're on the air!

little david

From -6236010512477780304
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,46aaec2233e14012,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-07 05:56:42 PST
Path: gmdzi!unido!mcsun!uunet!midway!ncar!asuvax!cs.utexas.edu!tut.cis.ohio-state.edu!unmvax!bbx!yenta!dt
From: dt@yenta.alb.nm.us (David B. Thomas)
Newsgroups: rec.ham-radio
Subject: can 2sat do repeater split of 6.46 MHz?
Keywords: repeater split 2sat
Message-ID: <1895@yenta.alb.nm.us>
Date: 7 Oct 90 08:43:47 GMT

Organization: yenta unix pc, Rio Rancho, NM
Lines: 12
Posted: Sun Oct 7 09:43:47 1990

I was trying to use a (non-amateur) repeater which has an offset of 6.46 MHz, and I couldn't get the 2sat to do it. It seems that, regardless of the selected "tuning speed" (from the SET mode), when choosing the repeater offset, you can only dial it in 25 KHz increments. Thus, 6.45 is a possible offset, as is 6.475, but 6.46 defied my most desparate and undignified efforts!

What gives? Is this the first computerized, synthesized ICOM radio that is less flexible than its predecessors with respect to this feature? Of am I the first ICOM owner who both needed the feature and is too dense to figure it out?

little david

From 2556894799406009843
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36aad72c9556fec,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-07 09:25:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Who dat? Was: (none)
Message-ID: <201.270E7CC5@w8grt.fidonet.org>
Date: 7 Oct 90 03:44:57 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 27
Posted: Sun Oct 7 04:44:57 1990

> From: phil@ux1.cso.uiuc.edu
> Date: 6 Oct 90 04:34:00 GMT
> Message-ID: <30500756@ux1.cso.uiuc.edu>
> Newsgroups: rec.ham-radio
>
>
> > In article <30500755@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
> > >1. Give the dispatcher some sort of handle to call you by, so they can
> >
> > My "handle"'s Porcelain. What's your's?
>
> CB handles are probably not a good idea, but it's better than making the
> dispatcher say "will the person at the accident scene please come back
> on
> the radio, we have another question".

They will almost certainly ask for your name and use that.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From 248521261025959230
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36aad72c9556fec
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-07 10:40:23 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!public!rah
From: rah@public.BTR.COM (Richard A Hyde rah@btr.com)
Newsgroups: rec.ham-radio
Subject: Re: Who dat? Was: (none)
Message-ID: <585@public.BTR.COM>
Date: 7 Oct 90 15:27:57 GMT
References: <201.270E7CC5@w8grt.fidonet.org>
Organization: BTR Public Access UNIX, MtnView CA, Contact: cs@btr.com 415-966-1429
Lines: 15
Posted: Sun Oct 7 16:27:57 1990

| > > In article <30500755@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
| > > >1. Give the dispatcher some sort of handle to call you by, so they can
| > >
| > > My "handle"'s Porcelain. What's your's?
| >

My "handle"'s aluminum, I think. :-)

-Rick-

```
--
------------------------------------------------------------------------------
|   Richard Hyde  |  RaH@btr.com  |    This space intentionally left blank   |
------------------------------------------------------------------------------
```

From 515686424454773488
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-07 10:40:38 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!wuarchive!zaphod.mps.ohio-state.edu!mips!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives

Message-ID: <3000@wyse.wyse.com>
Date: 7 Oct 90 16:20:44 GMT
References: <30583@netnews.upenn.edu> <9695@uhccux.uhcc.Hawaii.Edu> <45485@unix.cis.pitt.edu> <4895@qip.UUCP>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 43
Posted: Sun Oct 7 17:20:44 1990

In article <4895@qip.UUCP> john@qip.UUCP (John Moore) writes:
>>stuff about no common 911 access deleted from previous post...
>
>This is a real shame! I can understand if clubs want to keep their
>autopatches private, but there should be a known code for emergency
>access. Here in AZ, the Arizona Repeater Association has 3 open-to-all
>auto-patches.

There are some real practical problems with this in the large metro areas(I'm going to use San Jose as a reference cuz that's where I'm most familiar...) In this of area we have ~14 different local police agencies, about the same number of fire agencies, the California Dept of Forrestry, California Highway Patrol, etc. If you dial 911, it will reach the dispatch center for the city the phone number is located in. This is of no help if your in a different city (a real easy thing to be in the bay area at least...) and the 911 dispatchers aren't equipped to re-route the call.

What the main emergency-oriented machines locally have is a couple digit number for each of the respective agencies. You bring up the patch, then enter the appropriate code. I believe the code numbers on the two machines are identical(someone care to correct me on this...I'm thinking of ASH and ADZ) The fly in the ointment is that each of these machines keeps the phone patch numbers private...you've got to be a member to know the codes.

Is this a bad thing...depends on the implementation. In my area I've NEVER heard a station who didn't have the codes not get through IMMEDIATELY. The members of these repeaters fall all over each other racing to the keypad to bring up the autopatch. The club policy is that ANYONE can place a call....they'll do the dialing for you if necessary (i.e. when you aren't a member....) Now this system probably breaks down in the wee hours of the morning when no-one else is around, but when a club decides to offer these services it is there right to determine how they're used....

Summary is the system we have locally works pretty well for our area.

73's de Steve KA6S

From -1687192389731844095
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1f794f611069b46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-07 11:05:00 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!shelby!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: Ouch! ARRL takes a deeper bite....
Message-ID: <62.27102577@rochgte.FIDONET.ORG>
Date: 7 Oct 90 18:05:00 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 61
Posted: Sun Oct 7 19:05:00 1990

> From: acsu.buffalo.edu!wyse.com!stevew (Steve Wilson x2580 dept303)
>
> In article <53.270BDCD7@rochgte.FIDONET.ORG> you write:
> >   FWIW, I have been an ARRL member since 1981 (my first year
>   ^^^^^ New one..."For What It's Worth?"

Correct. ;-)

> You were asked about this some time within the last 2 years....it's
> called electing a board of directors to run the afairs of the league
> on your behalf. Seriously, should every single item that the BOD
> deals with be put up for a general election? Seems to me that

I don't call an election of officers carte blanche to spend dues money hiring new staff. Any item that the BOD decides that involves adding salaries or otherwise committing large sums of cash should indeed be proposed to the membership first.

This is especially galling when the League has to ask for special contributions to fund its preparations for WARC '92. I think such preparations are among the most valuable services the League can perform, but asking me for extra money in almost the same breath as telling me they've decided to hire 3 new people without consulting with me is a bit much.

I don't mean to be arrogant-sounding about this. The "me" or "I" in the above paragraph should be taken to mean "me, the average ARRL member."

> Please, if you have a suggestion on how to change this to a method that
> would be efficient let me know....I'm one of those elected officials.

Pleased to meet you. While I'm not in your section, I will answer your request because I think something should be done.

How about posting an article in QST whenever the League wants to hire new paid staff or make major purchases for HQ? A reasonable

```
comment (or voting) period should be allowed - say 4 to 6 months to
allow for the Postal "Service" to deliver the QSTs (I never get mine
before the second week of the cover date month) and get the replies
back.
      Replies or votes could be solicited at the members' expense (I
would spend 15 cents to send a postcard) to either HQ or, perhaps more
reasonably, to the SMs.

 > basis.  I'd be glad to tell them of your ideas.  For that matter
 > you can always give your local SM/BOD types a call. You'll find
 > their phone numbers on pages 7/8 of QST.
 >
 > 73's de Steve KA6S
 >         SM, SCV Section

      I do appreciate your taking the time to respond and to pass back whatever
reply I would make.  And you're right, I should stay more in touch with my
local SM if I'm that concerned.  Lesson learned...

73 de Dave, NF2G



--
*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*%*



From 6032545688481796147
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-07 14:05:06 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Message-ID: <8882@helios.TAMU.EDU>
Date: 7 Oct 90 17:30:36 GMT
References: <30583@netnews.upenn.edu> <9695@uhccux.uhcc.Hawaii.Edu>
Sender: usenet@helios.TAMU.EDU
Organization: Computer Science Department, Texas A&M University
Lines: 31
Posted: Sun Oct  7 18:30:36 1990

In article <9695@uhccux.uhcc.Hawaii.Edu> johns@uhunix2.uhcc.Hawaii.Edu (John P.
Shalamskas) writes:
]To the person who could hit 14 repeaters, yet couldn't access the patch:
]
]SHAME on you for not finding out what repeaters have 911, and how to access
]it!  It is easy to find out the 911 emergency codes for almost every
```

]repeater in the state of Hawaii. If you don't know exactly what it is,
]everyone has nearly standardized on one of the following:
]911, *911, or *9.
]
]It wasn't anyone else's fault for not sitting around waiting for
]you to have an emergency... it was YOURS for not getting the information
]ahead of time. What do you use 2 meters for? Haven't you talked
]on any repeaters at all? Most clubs publish these codes in their
]newsletters. Are you in any clubs?
]

OK. Everyone who doesn't know how to access the autopatch on every repeater in the world turn your license back in to the FCC. It is our RESPONSIBILITY to have this information at our finger tips no matter wehre we happen to be driving.

What drivel.

Where were the control operators for all these repeaters?? FCC regs state that automatic operation requires a control operator. I couldn't find one on 14 machines.

As I said in the last message, the next time, I will just flag down someone with a celular phone and not even waste time with ham radio.

bill gunshannon   KB3YV

From -7139630915730176061
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f2bec5dbeb275ff
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-07 14:06:29 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!pacbell.com!decwrl!petunia!news
From: mdella@polyslo.CalPoly.EDU (Marcos R. Della)
Newsgroups: rec.ham-radio
Subject: Re: Novice test code requirement... Aga
Message-ID: <270f7399.5d4e@petunia.CalPoly.EDU>
Date: 7 Oct 90 18:27:37 GMT
References: <90269> <30500754@ux1.cso.uiuc.edu> <332@ssc.UUCP>
Organization: Cal Poly State Univ,CSC Dept,San Luis Obispo,CA 93407
Lines: 24
Posted: Sun Oct 7 19:27:37 1990

Having recently ordered a commercial band UHF radio (Icom IC-U16) for use in public safety (medical/sheriff rescue), I'm wondering what the FCC's latest is on the "Communicator" class license. I plugged through my Tune In the World book and think I can handle Novice and Tech theory/regs, but I'm enrolled in paramedic school right now, and don't want to spend the time dealing with morse code. I'm not looking for comments on whether or not YOU think a no-code license is a good idea, I'm looking for info regarding if this is going to happen or not, and if yes, when? I realize the FCC's proposal was for 220MHz and above, which is fine for now for me (the U16 will work in the 440MHz amateur bands).

What's the scoop?

-Kirk J. Smith, EMT-1A (EMT-P Intern)
Using a borrowed Unix account (thanks, Marcos)

```
--
..!csustan ->!polyslo!mdella    | mdella@polyslo | Whatever I said doesn't
..!sdsu ---/   Marcos R. Della  | (805) 543-6755 | mean diddly as I forgot
..!csun --/    713 Grand Ave #4                 / it even before finishing
..!dmsd -/     San Luis Obispo, CA 93401       / typing it all out!!! :-)
```

From 2204851127721865371
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7ba1b104af081a8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-07 14:09:55 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and intermodulation.
Message-ID: <4905@qip.UUCP>
Date: 7 Oct 90 01:49:12 GMT
References: <05.Oct.90.12:11:22.BST.#3652@UK.AC.NWL.IA>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 44
Posted: Sun Oct 7 02:49:12 1990

In article <05.Oct.90.12:11:22.BST.#3652@UK.AC.NWL.IA> PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon") writes:
]It continues to amaze me how the makers of HT's fail to provide them with
]adequate front-end selectivity; i was recently looking to buy a simple (Cheap!)
]2-meter HT, and *NONE* of the various ones i trialled in the dealers seemed
]immune to 'squawks'. It generally seemed that 'the more features, the worse
]the RF performance'. One, which shall remain nameless, suffered terminal
]intermodulation on a 1/4 wave whip.....
]
]What *is* the point on providing sub-microvolt sensitivity if the thing
]dies laughing at anything over a millivolt? Maybe if the designers of these
]radios were forced to use them in a real environment (one with more than
]one transmitter!) they would change their mind.
]Get the designers out of their shielded RF test-environments and into a
]big city full of nasty, intrusive RF.

There are several things required for a good front end. The ones hard to get in a small, low power package are:
  (1) selectivity. Q takes space. Low Q parts require more of them, taking

space. For synthesized radios, which require a broad band front end, you need sharp skirts on a wide bandpass. That takes lots of poles/ zeroes, which takes parts, which takes space. Get the picture?

(2) linearity. Most front end problems are not caused by selectivity, they are caused by intermodulation or blocking (desense). Both of these are crucially affected by the amount of power consumed by the RF amplifier. You wan't low intermod, and little desense, you run a lot of power - like 100 mW to 1 Watt. This leads to lots of screams and hollering from hams who want low power drain receivers on their HT's, and don't realize that this leads to lousy front ends.

Of course, you could use a good balanced mixer, with no RF front end, but then you lose the sensitivity.

What WOULD be nice would be a receiver attenuator switch, which would toss in about 20dB in front of the receiver.

Don't be too hard on the designers of these radios. I doubt you could come close to the wonders that they create, given the constraints placed on their engineering.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From -2060148713383539269
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-07 14:09:58 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Message-ID: <4906@qip.UUCP>
Date: 7 Oct 90 01:50:41 GMT
References: <30583@netnews.upenn.edu> <260@bongo.UUCP>
<1990Oct6.015940.10567@Neon.Stanford.EDU>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 17
Posted: Sun Oct 7 02:50:41 1990

In article <1990Oct6.015940.10567@Neon.Stanford.EDU> kaufman@Neon.Stanford.EDU (Marc T. Kaufman) writes:
]In article <260@bongo.UUCP> julian@bongo.UUCP (Julian Macassey) writes:
]
]>   What do we lack? A distress frequency. One that works across the
]>U.S., so if I fall in a hole in Chicago I can get help without having
]>to make friends first.
]

]How about 14310 KHz?

No.... no... no... He said a distress frequency, not a frequency in distress ;-)

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From -8780182962439204065
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36a484f4c9d89694,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,36a484f4c9d89694,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-10-07 15:05:02 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!apple!agate!shelby!portia.stanford.edu!stankus
From: stankus@bart.stanford.edu (John Stankus)
Newsgroups: sci.electronics,rec.ham-radio
Subject: VT100 repair help (diode identity)
Message-ID: <1990Oct7.220502.2923@portia.Stanford.EDU>
Date: 7 Oct 90 22:05:02 GMT
Sender: stankus@portia.Stanford.EDU (John Stankus)
Organization: AIR, Stanford University
Lines: 16
Xref: gmdzi sci.electronics:9224 rec.ham-radio:15921
Posted: Sun Oct 7 23:05:02 1990

I am trying to repair a vt100 that I got for the right price.
Upon inspection the monitor board had a blown(literally) electrolytic
capacitor(C439) and a toasted diode (CR408). I replaced the capacitor
but I am having difficulty Identifying the diode. The number on the
diode is RC2C-010GI (I think that is what it says, the G could be a
backward D but then the RC2C part would not be the right way.)
Does anyone know what this diode is and/or a replacement number for it.

Thanks
John

John J. Stankus N5PEE   Dept.of Chemistry
stankus@portia.stanford.edu   Stanford University
stankus@d31mf0.stanford.edu

From 215409250991975570
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17222a74b6e67962,start

```
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9532,17222a74b6e67962,start
X-Google-Attributes: gidf9532,public
X-Google-Thread: 114aac,17222a74b6e67962,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,17222a74b6e67962,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 109c0d,17222a74b6e67962,start
X-Google-Attributes: gid109c0d,public
X-Google-ArrivalTime: 1990-10-07 15:52:16 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cica!iuvax!bsu-cs!skyrider
From: skyrider@bsu-cs.bsu.edu (Bill Morris)
Newsgroups: rec.ham-radio,rec.ham-
radio.swap,rec.radio.shortwave,misc.wanted,misc.forsale
Subject: Dale Laird, where are you?
Keywords: bounce mail, find me
Message-ID: <11879@bsu-cs.bsu.edu>
Date: 7 Oct 90 20:30:01 GMT
Organization: CS Dept, Ball St U, Muncie, IN, USA
Lines: 10
Xref: gmdzi rec.ham-radio:15492 rec.ham-radio.swap:671 rec.radio.shortwave:2335
misc.wanted:5593 misc.forsale:2349
Posted: Sun Oct  7 21:30:01 1990
```

Ignore if you're not the person mentioned above.

Get in touch with me. Been trying to reply, but the mailpath keeps bouncing.

Still interested in the radio.

When you get in touch, send me your address, mailpath, and phone #. That
way we can keep in touch.

Bill Morris

```
From 8618935560230397174
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d5f65a1e94c35aff
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,d5f65a1e94c35aff
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,d5f65a1e94c35aff
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-10-07 19:00:12 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!elroy.jpl.nasa.gov!turnkey!
orchard.la.locus.com!prodnet.la.locus.com!lando.la.locus.com!dana
From: dana@lando.la.locus.com (Dana H. Myers)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio
Subject: Re: WANTED: 88-108 Mhz Exciter w/Stereo generator
Summary: Pump up the volume :-)
Keywords: w or w/o stereo assembled or schematic info
```

Message-ID: <17962@oolong.la.locus.com>
Date: 7 Oct 90 21:16:20 GMT
References: <351@ka2qhd.UUCP>
Sender: news@locus.com
Followup-To: rec.radio.shortwave
Organization: Locus Computing Corporation, Inglewood, CA
Lines: 15
Xref: gmdzi rec.radio.shortwave:2337 rec.ham-radio.swap:672 rec.ham-radio:15493
Posted: Sun Oct 7 22:16:20 1990

In article <351@ka2qhd.UUCP> ka2raf@ka2qhd.UUCP (Chris Crosby KA2RAF) writes:
>
>I am now looking for a used FM band exciter (88-108 Mhz) and a stereo generator
>or schematic and construction information for such devices. Used devices
>would have to be cheap and working. The schematics would have to be solid state
>and of recent vintage. ANY help would be appreciated! You can mail any info to:

  Hey! Maybe the producers of the recent movie _Pump Up The Volume_ could
sell you theirs....

****
* Dana H. Myers KK6JQ | Views expressed here are *
* (213) 337-5136 (ex WA6ZGB) | mine and do not necessarily
     *
* dana@locus.com | reflect those of my employer   *
****

From 2234650252423029593
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8924141da8b9b38a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 01:05:05 PST
Path: gmdzi!unido!mcsun!uunet!cos!hqda-ai!media!csense!bote
From: bote@csense.uucp (John Boteler)
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was Re:
Summary: Like they're gonna believe you?!
Keywords: standard practice believe procedure
Message-ID: <1990Oct8.080505.2179@csense.uucp>
Date: 8 Oct 90 08:05:05 GMT
References: <60255@iuvax.cs.indiana.edu> <30500748@ux1.cso.uiuc.edu>
<1990Oct2.004248.22696@dhw68k.cts.com>
Organization: Common Sense Computing, McLean, VA.
Lines: 48
Posted: Mon Oct 8 09:05:05 1990

emmayche@dhw68k.cts.com (Mark Hartman) claimed:
>In article <30500748@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
>
>>My personal interpretation of this law is this. If I have my radio
>>with me and it can communicate with the authorities, then IS is THE
>>fastest means possible.

>
>Having asked folks in the State of California about it (and getting
>incredulous responses like "you can really do that?", here's what they
>suggested:
>
>First, DO NOT try to use the normal procedure of the agency you're trying
>to talk to. You want your transmission to be absolutely distinguishable
>from normal traffic. ...
>
>...make sure the words "emergency traffic" are in
>there somewhere. After that, just talk to them.

I have nothing to say about legality in this note; I am only
concerned with the effectiveness of 'calling the cops via radio'.

I have heard the public service radio traffic in SoCal courtesy
of a friend who moved there recently: they do seem to have
a much more common sense approach to communications than
us East Coasters do (I love it!--see Org: line).

Nevertheless, I doubt your transmissions would be taken seriously
by the dispatcher. If you appear to be in the same category as
someone who happened to pick up a stray police portable, they
would likely be more concerned with recovery of the radio
and finding out how you acquired it than much else, emergencies
possibly excepted. Convincing them of the genuine nature of
your call consumes time and reduces your effectiveness.
Net effect: no better off than calling on the phone.

Using the same language and procedure as the police do on the radio
would allow your message to blend in and be acted on as efficiently
as the rest of the traffic: I can personally vouch for that approach!

Yet, all these approches short-circuit the system. In the event
that there is a need for followup investigation of the incident,
there is no log tape of your call on the 911 phone system, so
if you get snafud along the way, you have little recourse.
Net effect: no better off than calling on the phone.

--
John Boteler   bote@csense   {uunet | ka3ovk}!media!csense!bote
SkinnyDipper's Hotline: 703 241 BARE | VOICE only, Touch-Tone(TM) signalling

From 2873822967559079966
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 01:16:36 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!att!cbnewsc!psfales
From: psfales@cbnewsc.att.com (Peter Fales)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives

Message-ID: <1990Oct7.231453.4721@cbnewsc.att.com>
Date: 7 Oct 90 23:14:53 GMT
References: <30583@netnews.upenn.edu> <9695@uhccux.uhcc.Hawaii.Edu>
<1393@ke4zv.UUCP>
Organization: AT&T Bell Laboratories
Lines: 23
Posted: Mon Oct 8 00:14:53 1990

In article <1393@ke4zv.UUCP>, gary@ke4zv.UUCP (Gary Coffman) writes:

> This is a shame. Most of the repeaters here in Atlanta use * up # down
> for the emergency patch and other proprietory codes for the general
> patch. One problem is that there are greater than 20 jurisdictions in
> our coverage area that use enchanced 911. You will, of course, be routed
> to the jurisdiction WHERE THE REPEATER is located not where you are.

One local repeater has handled this problem very nicely. Here in the Chicago area, the authorities have set up a service where any cell-phone user can dial *999 and be connected to a central dispatcher who will determine where you are and contact the appropriate local jurisdiction depending on what needs to be done. The repeater trustees have configured the repeater so that the same *999 code will autopatch to the same dispatcher.

I haven't had a reason to use it yet, but it seems like a useful service, and something that other repeaters may want to emulate.

```
--
Peter Fales             AT&T, Room 5B-420
N9IYJ                   2000 N. Naperville Rd.
UUCP:    ...att!ihlpb!psfales   Naperville, IL 60566
Domain: psfales@ihlpb.att.com    work:    (708) 979-8031
```

From -5965158436924497778
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76d80870ad25da9d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,76d80870ad25da9d,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 105d97,76d80870ad25da9d,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-10-08 01:26:32 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio,rec.radio.shortwave,sci.electronics
Subject: Icom R1 battery charger
Keywords: R1
Message-ID: <3951@radio.oakhill.UUCP>
Date: 8 Oct 90 01:48:14 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 16
Xref: gmdzi rec.ham-radio:15495 rec.radio.shortwave:2338 sci.electronics:9019
Posted: Mon Oct 8 02:48:14 1990

This is for Icom IC-R1 owners etc.....

I just received my R1 from my Japan mule. Boy is it small!
Anyway...the charger is for 100VAC. Since the power company
around here likes to sell more electricity (my line voltage
is 125VAC) has anyone had problems with using a 100VAC
charger on US mains? The thing gets kinda hot.

2nd question. Anybody got schematics for the little beastie?

What a cute little toy!

-Charlie WB4HVD

```
From 2795802319678893344
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb108b67bb5a46d6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 01:39:55 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: Auto Alarm Remotes
Message-ID: <342@ssc.UUCP>
Date: 7 Oct 90 19:29:46 GMT
References: <34407@cup.portal.com> <308@ssc.UUCP> <30468@netnews.upenn.edu>
<20343@ttidca.TTI.COM>
Organization: SSC, Inc., Seattle, WA
Lines: 11
Posted: Sun Oct  7 20:29:46 1990
```

In article <20343@ttidca.TTI.COM>, sorgatz@ttidca.TTI.COM (Avatar) writes:
| Except that Lo-Jak is only activated *after* the crime of auto theft is
| accomplished! :-) Even then, it would be dificult, if not impossible for
| the thief to deactivate the unit. They do not use the car's electrical
| system for their input power (actually it does, but just to keep the 13v
| nicads peaked!) nor is there any visible antenna that might be ripped
| loose to prevent the transmissions from happening.

But how well supressed is the local oscillator?

markz@ssc.uucp

```
From 3704622359722473349
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb108b67bb5a46d6
X-Google-Attributes: gid10c9e3,public
```

```
X-Google-ArrivalTime: 1990-10-08 02:44:49 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Auto Alarm Remotes
Summary: LoJack transmissions
Message-ID: <343@ssc.UUCP>
Date: 7 Oct 90 23:02:33 GMT
References: <30468@netnews.upenn.edu> <319@ssc.UUCP> <321@ssc.UUCP>
<1990Oct5.035706.23012@nntp-server.caltech.edu>
Organization: very little
Lines: 28
Posted: Mon Oct  8 00:02:33 1990
```

In article <1990Oct5.035706.23012@nntp-server.caltech.edu>, slr@tybalt.caltech.edu (Steve Rhoades) writes:

>
> A frequency counter and/or an RF Field strength meter wouldn't do a car thief
> any good. As mentioned in previous articles, LoJack ISN'T activated UNTIL
> the owner of the car finds his/her car stolen. Often, this can be several
> hours.
>
> Since the system isn't activated, it wouldn't be sending out ANY
> RF (not from LoJack anyway....)

I would think that some RF monitoring could be of tremendous help to a thief trying to protect himself from LoJack. Since it isn't activated until after the car is stolen, a fleeing theif could find out the instant that the LoJack unit in the car was activated.

This would be a good time to ditch the car.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

```
From 1751304709406160228
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 03:29:01 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
```

Subject: Re: Ham radio saves lives
Message-ID: <4912@qip.UUCP>
Date: 7 Oct 90 21:11:23 GMT
References: <45485@unix.cis.pitt.edu> <4895@qip.UUCP> <3000@wyse.wyse.com>
Organization: Anasazi, Inc. Phoenix, Az
Lines: 30
Posted: Sun Oct 7 22:11:23 1990

In article <3000@wyse.wyse.com> stevew@wyse.UUCP (Steve Wilson x2580 dept303)
writes:
]In article <4895@qip.UUCP> john@qip.UUCP (John Moore) writes:
]>>stuff about no common 911 access deleted from previous post...
]>
]>This is a real shame! I can understand if clubs want to keep their
]>autopatches private, but there should be a known code for emergency
]>access. Here in AZ, the Arizona Repeater Association has 3 open-to-all
]>auto-patches.
]
]There are some real practical problems with this in the large
]metro areas(I'm going to use San Jose as a reference cuz that's
]where I'm most familiar...) In this of area we have ~14
]different local police agencies, about the same number of fire
]agencies, the California Dept of Forrestry, California Highway
]Patrol, etc. If you dial 911, it will reach the dispatch center
]for the city the phone number is located in. This is of no
]help if your in a different city (a real easy thing to be in the
]bay area at least...) and the 911 dispatchers aren't equipped
]to re-route the call.
]
Uh Steve... Phoenix IS a large metro area. We have a population around
2 million, and a number of different agencies. The 911 operators
have hot-lines to all of them, so it works fine (although it adds
a few seconds to the call).
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
Disclaimer: The opinions expressed here are all my fault, and no one elses.

From -8622277667999639585
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,97ce044183d6f4da,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 03:43:01 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: vk2
Message-ID: <1704@n8emr.UUCP>
Date: 7 Oct 90 21:23:35 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)

Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 172
Posted: Sun Oct 7 22:23:35 1990

```
==============================================================
|         Relayed from packet radio via                 |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ ALLBBS $RTDX0510
RTTY DX Notes 1of3 10/5/90

RTTY DX Notes for week ending 5th October 1990
BID: $RTDX0510
Part 1 of 3.

Who said the bands were dead? If you look at the reports, and there were over 300 stations reported this week, you will see that 21 and 28 MHz seem to have obtained the most attention from the people in the contest, while after the contest everyone migrated back to 14 MHz. Maybe we should look at the higher bands more often.

Our thanks this week go to I5FLN, JA1BLV, OD5NG, TG9VT, VE3XJ, VK2EG, W2JGR, W9CD and the Tri-State DX Packet Cluster Network. Thank you all for your assistance and abundance of information. Please keep it up.

Bandpass:

Friday 28:

RF1F/UA3TT	14092	at	0035Z	
YI1BGD	14074	at	0400Z	ARQ
UG7GWG	14096	at	0404Z	
5V7DP	14089	at	0516Z	
7J1ADJ/JD1	14089	at	0656Z	
ZD8BW	21089	at	1706Z	
ZS9J	21085	at	1710Z	QSL
V51DG	21090	at	1800Z	
6W1HF	21083	at	1818Z	
5Z4BI	21081	at	1953Z	
J39BS	28091	at	1710Z	QSL

Saturday 29:

9M6HF	28090	at	0055Z
J39BS	21090	at	0110Z
TY1PS	21088	at	0305Z
ZF1RY	14089	at	0415Z
FP5DX	7093	at	0430Z
J28TY	21087	at	0436Z

```
BY4AA       21092  at  0504Z  QSL
5W1KT       28089  at  0727Z
OY9JD       28071  at  1507Z
TZ6VV       21088  at  2332Z
4K0ADS      28085  at  2348Z  Note


Continued in part 2.
/EX
SB RTTYDX @ ALLBBS $RTDX0610
RTTY DX Notes 2of3 10/5/90

RTTY DX Notes for week ending 5th October 1990
BID: $RTDX0610
Part 2 of 3.


Sunday 30:
5W1KT       21092  at  0341Z
TR8JLD      14078  at  0523Z
RF1F/UA3TT  21084  at  0543Z
J28TY       21084  at  0549Z
UQ0A        14090  at  0638Z
BY4AA       28089  at  0640Z
KD7P/NH2    28088  at  0643Z
5Z4BI       21077  at  0653Z
TU1UI       28084  at  0908Z
9L1US       28087  at  1205Z
JX9CAA      28097  at  1224Z
TF3KB       28097  at  1816Z
OY9JD       28067  at  1856Z
4U1ITU      28098  at  1959Z
HB0/HB9NL   21093  at  1958Z

Monday 1:
BZ4DAB      21090  at  0056Z  QSL
ZF1RY        3590  at  0227Z
FK8BG       14074  at  0250Z  ARQ
4U1ITU      14083  at  0706Z  QSL
V51GB       21078  at  1530Z
J28TY       21083  at  1740Z
TU2BB       14074  at  2250Z  ARQ
4K0ADS      28089  at  2335Z
J73WA       21085  at  2342Z

Tuesday 2:
TU2BB       14074  at  0016Z  ARQ
J73WA       21087  at  0020Z
W7KPG/KL7   14090  at  0105Z
YI1BGD      14070  at  0546Z  ARQ
FW1FM       14068  at  0943Z  ARQ
PJ2MI       14074  at  1111Z  ARQ
```

Wednesday 3:

UI8FM	14086	at	0257Z	
FW1FM	14067	at	0951Z	ARQ
EI6FM	14091	at	1030Z	
ZD8BOB	21074	at	1828Z	
SU1AH	14079	at	2050Z	FEC

Thursday 4:

EA8RA	21092	at	0902Z
HV3SJ	21085	at	0910Z

Continued in part 3.

/EX
SB RTTYDX @ ALLBBS $RTDX0710
RTTY DX Notes 3of3 10/5/90

RTTY DX Notes for week ending 5th October 1990
BID: $RTDX0710
Part 3 of 3.

QSL Information:

ZS9J is Leo Heinonen, 80 Sixth Street, Parrhorst, 2193 South Africa.

J39BS collects his cards via WB2LCH.

BY4AA says to QSL via DJ6BU.

4K0ADS is railway mobile and is travelling all over the country. QSL via RW3AH.

BZ4DAB, Tang, says to QSL to Box 085-205, Shanghai, China.

4U1ITU was operated by F6GMB, to whom the cards should be sent.
TG9VT says to QSL only via W3HNK.

Notes of Interest:

ZK3KY is now active from Niue Island and will be there for a month. She will operate around 0900Z on 21 and 14 MHz RTTY.

St. Pauls Island. FP5DX and VE1KM will operate from October 20 using the calls of CY9SPI and CY9DX and will operate RTTY. QSL via FP5DX.

Angola, D2. There is still much activity at official levels for the issuing of permits and licenses for an operation in this area. They are trying to get RTTY included in the permitted modes.

Malpelo Island operation is still on track for 2nd November.

South Sandwich and South Georgia are still scheduled for late
November/early December with the special calls of VP8SSI and VP8SGI
respectively.

GL DE DX1.

Written by VK2SG. Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA.
Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.
/EX

--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From -4511608826651217761
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f2bec5dbeb275ff
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 03:44:40 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!uwm.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Novice test code requirement... Aga
Message-ID: <30500758@ux1.cso.uiuc.edu>
Date: 7 Oct 90 23:58:00 GMT
References: <121355@<90269>
Lines: 29
Nf-ID: #R:<90269:121355:ux1.cso.uiuc.edu:30500758:000:1540
Nf-From: ux1.cso.uiuc.edu!phil   Oct 7 18:58:00 1990
Posted: Mon Oct 8 00:58:00 1990

> Having recently ordered a commercial band UHF radio (Icom IC-U16) for use
> in public safety (medical/sheriff rescue), I'm wondering what the FCC's
> latest is on the "Communicator" class license. I plugged through my Tune
> In the World book and think I can handle Novice and Tech theory/regs, but
> I'm enrolled in paramedic school right now, and don't want to spend the time
> dealing with morse code. I'm not looking for comments on whether or not YOU
> think a no-code license is a good idea, I'm looking for info regarding if
> this is going to happen or not, and if yes, when? I realize the FCC's
> proposal was for 220MHz and above, which is fine for now for me (the U16 will
> work in the 440MHz amateur bands).
>
> What's the scoop?

We won't know for sure until the FCC acts on the matter. "Stay tuned".

Some of use, on BOTH sides of the issue, believe it will happen. We just differ in the belief of WHY it will happen. In fact I have never heard anyone say they are confident it won't happen, but I have heard a few people say they are confident it will.

What particularly concerns me is HOW it will happen (if it does). I happen to believe that the FCC's proposal AS IS will severely damage ham radio, and of course the "no code" movement will get blamed. The ARRL proposal, which I feel does not do enough, is certainly far better than what the FCC proposed.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -4167583935356171536
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 03:45:03 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Message-ID: <30500760@ux1.cso.uiuc.edu>
Date: 8 Oct 90 00:27:00 GMT
References: <30583@netnews.upenn.edu>
Lines: 68
Nf-ID: #R:netnews.upenn.edu:30583:ux1.cso.uiuc.edu:30500760:000:3978
Nf-From: ux1.cso.uiuc.edu!phil   Oct 7 19:27:00 1990
Posted: Mon Oct 8 01:27:00 1990

> This is a shame. Most of the repeaters here in Atlanta use * up # down for the emergency patch and other proprietory codes for the general patch. One problem is that there are greater than 20 jurisdictions in our coverage area that use enchanced 911. You will, of course, be routed to the jurisdiction WHERE THE REPEATER is located not where you are. There are intertie methods used by the 911 operators, but this is causing more and more problems. Our club's two machines are unique in allowing OTHER three digit codes to access direct lines into the emergency centers of the other jurisdictions as well as 911 to Fulton County.

Either the emergency system there is NOT properly setup, or else you have not arranged to have the repeater's phone line automatically route the call to a central dispatcher.

You should at least make sure that the dispatching computer knows the number of the repeater, and brings up instructions to the dispatcher for all calls coming on in that number to explain that it is coming in over a wide area, and that it is operating via radio. That avoids having to explain all this to the dispatching during the call.

> I am not a personal fan of autopatches in general and find that most of
> the emergency patches I monitor about traffic accidents result in a
> redundant report since a cell phone user has already reported the incident
> in a form the dispatcher is more familiar with handling. I do support
> the club patch, however, for those rare times when the emergency patch
> has been first to report an accident. I don't use the general patch
> for a several reasons. I find very few times when it is necessary to
> make a call that would be legal. I find that most non-hams have difficulty
> dealing with a half duplex call. And I prefer privacy for my personal
> calls.

This is one reason I am trying to find a way to put up (not as part of a repeater) a FULL DUPLEX patch. Among the difficulties in this:

1. Manufacturers of patch equipment don't know how to deal with full duplex very well. They think it cannot be handled by other than direct access to the discriminator of the receiver to detect the presence of carrier, even though a fast attack, long hang, VOX, on an ordinarily squelched radio will do the job with no modifications.
2. Full duplex requires split band operation, which not all hams yet are prepared to do, though many more are starting to get the equipment.

> We have several club members who use the patch very very frequently. Some
> of their calls seem of dubious legality and most seem very frivolous.
> Our club rules say that patches have priority so we have to patiently
> stand by and let the patchers play. More times than not the content of
> the patch is "Honey I just left the office". An office that I'm sure
> had plenty of telephones available. Phew! At least the pseudo business
> users are getting music on hold more and more lately. Even they realize
> they can't get away with listening to music on the amateur bands.

I might suggest bringing up a rules change, or finding a new club. The priorities should be based on WHAT the communications purpose is, not on what means were used to do it, as long as both equally require repeater access. Sure, communications that could be done simplex SHOULD be done simplex. Two stations running brick amps and yagis can talk simplex across even the largest towns unless they are quite hilly. There are many other situations simplex works fine. Always check the repeater INPUT frequency, and if you are receiving the other station, suggest a QSY to a simplex frequency (NOT 52.525, 146.52, 223.50, or 446.000)

> Sorry about drifting off the subject, but I just listened to three of
> these nimrods making dumb patches.

And these guys learned code?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -8470202102851918655
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6976de011fcd989

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 11:49:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
interlan.InterLan.COM!interlan.interlan.com!yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: Toys for Wealthy Hams
Message-ID: <YETSKO.90Oct11144917@interlan.interlan.com>
Date: 11 Oct 90 18:49:17 GMT
References: <9010091701.AA20703@ucsd.edu>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 11
Posted: Thu Oct 11 19:49:17 1990
In-reply-to: MEDELMA@CMS.CC.WAYNE.EDU's message of 9 Oct 90 16:54:39 GMT

Radio Shack sells a TDR to it's repair centers from National Parts for less
than $100. It's not a stand-alone, it's designed to plug into a scope, and
you can actually SEE impedance changes in the COAX and approximate where
the problems are.

If you don't want to buy one, KD5HM, Tom King, the designer, wrote it up
as a construction article for QST about a year ago. It's a far cry cheaper
than $1500!

Mike Yetsko
N1DVJ

From -5108484070580240041
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 11:57:56 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!cs.utexas.edu!sdd.hp.com!hplabs!
hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Re: type acceptance
Message-ID: <1250244@hpnmdla.HP.COM>
Date: 11 Oct 90 18:57:56 GMT
References: <12540@crdgw1.crd.ge.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 16
Posted: Thu Oct 11 19:57:56 1990

>"Easily modified" seems like a fuzzy term. I think it refers to amps
>whose instructions might read:

>"Warning! To maintain type acceptance, do NOT remove the bright
>orange tab on the bandswitch that prevents rotation to the 10/11
>meter position!"

On the Drake L-7, you simply remove a small screw on the bandswitch and remove the 10 meter reject filter on the input.

The theory, evidently, is that the typical CB'er won't have the technical savvy to figure this out, but the average ham will.

AL N1AL

From 2368939465433383117
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca33c43f450966c6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 12:09:13 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!THESIS1.HSCH.UTEXAS.EDU!jmaynard
From: jmaynard@THESIS1.HSCH.UTEXAS.EDU (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Flaming newbies and public service radios
Message-ID: <9010111926.AA21736@ucsd.edu>
Date: 11 Oct 90 19:09:13 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 50
Posted: Thu Oct 11 20:09:13 1990

David Stark writes:
>In fact, having everybody and his brother
>equipped with a portable can be an extreme annoyance to central
>dispatch. It is also a hazard during major incidents, when only a
>handful of people NEED to be on the air (Triage, Command, Operations,
>Staging, etc. - not EVERYBODY).

I'm sorry the personnel in your area are so poorly trained that they cannot be depended on not to get on the radio unless they really need to. The solution to that problem is training, not prohibition. People get into just as much trouble during major incidents, and need to get help NOW just as much, as in the average house fire. An emergency worker should ALWAYS be able to call for help. I suggest you post your opinions on FireNet (the FidoNet fire/EMS echomail conference) about why the average emergency worker doesn't need communications. Put your bunker gear on first.

>Even the ones who have positions reuiring the use of an individual radio
>have no business utilizing a non-type-accepted ham rig as that radio!

...except in an emergency. Repeat after me: THE RULES GO OUT THE WINDOW IN AN EMERGENCY. Keep repeating until you understand it.

>   He specifically stated that he was trying to use a non-amateur
>repeater. People who want CAP and MARS mods usually say so.

I hate to tell you this, David, but CAP and MARS repeaters aren't ham repeaters
either. Why don't you ask, and then THINK, before you flame? Or is that too
much to ask?

>> The original flame (from the same FidoNet newbie that I'm
>> responding to) was completely uncalled for.
>   I disagree strongly. And I don't think 2 years in FidoNet and 7
>years in Public Safety communications plus 9 years as a licensed ham
>qualifies me as a "newbie."

OK, since we're citing qualifications, I've been on Usenet for 4 years, and
operated FidoNet node #64 (before they even thought about regions/areas) for
a couple of years, bailing out when IFNA got Machiavellian; I've been a ham
for 19 years, and an EMT of one level or another for 9 years.

I'm reading (and writing) this on Usenet (via a gateway to an Internet mailing
list. I've only seen you on here a couple of weeks, and haven't yet seen you
write _anything_ yet that _wasn't_ inflammatory. Yup...you sure qualify as a
newbie. The least you could do is not flame everything that comes along.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu  | adeuately be explained by stupidity.
"It's a hardware bug!" "It's a    +---------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_
```

From 1490133130166483249
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6ff42a6594be937
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 12:19:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!sun-barr!newstop!texsun!exodus!wellworld!endelman
From: endelman@wellworld.Sun.COM (Aaron Endelman)
Newsgroups: rec.ham-radio
Subject: Re: Whatever happened to Swan?
Message-ID: <1287@exodus.Eng.Sun.COM>
Date: 11 Oct 90 19:19:46 GMT
Sender: news@exodus.Eng.Sun.COM
Organization: Sun Microsystems, Mt. View, Ca.
Lines: 17
Posted: Thu Oct 11 20:19:46 1990

In article <363@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>You can get a Swan 500CX manual for $12.25 from:
>
>Hi Manuals
>P.O. Box 802
>Council Bluffs, IA 51502
>
>They don't take personal checks or credit cards.

Not true about personal checks, unless they just changed their policy in the last month or two. I placed an order with them that I paid by personal check that recently, without problems. Money orders, of course, get processed faster, because they don't have to clear.

Aaron Endelman KK6QH   endelman@eng.sun.com
Symbolic Programming Environment Group
M/S 12-40, Sun Microsystems, Inc., 2550 Garcia Ave., Mtn. View, CA   94043

From 6079211118836963465
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 12:23:03 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!samsung!emory!gatech!psuvax1!eds1!wa3wbu!compnect!daveh
From: daveh@compnect.UUCP (Dave Hultberg)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Summary: How about those communities without 911?
Message-ID: <824@compnect.UUCP>
Date: 11 Oct 90 19:23:03 GMT
References: <30583@netnews.upenn.edu> <9695@uhccux.uhcc.Hawaii.Edu> <8882@helios.TAMU.EDU>
Organization: John Core at home, Harrisburg,PA
Lines: 40
Posted: Thu Oct 11 20:23:03 1990

In article <8882@helios.TAMU.EDU>, billg@cs.tamu.edu (William Gunshannon) writes:
> In article <9695@uhccux.uhcc.Hawaii.Edu> johns@uhunix2.uhcc.Hawaii.Edu (John P. Shalamskas) writes:
>]To the person who could hit 14 repeaters, yet couldn't access the patch:
>]
>]SHAME on you for not finding out what repeaters have 911, and how to access
>]it! It is easy to find out the 911 emergency codes for almost every
>]repeater in the state of Hawaii. If you don't know exactly what it is,
>]everyone has nearly standardized on one of the following:
>]911, *911, or *9.
>
> OK. Everyone who doesn't know how to access the autopatch on every repeater
> in the world turn your license back in to the FCC. It is our RESPONSIBILITY
> to have this information at our finger tips no matter wehre we happen to be
> driving.
>
> What drivel.
>

It sure was. I can think of several problems with the simplistic thinking above. First, not all areas of this country are blessed with 911 service yet. Second, as others have mentioned 911 if implemented would give you the dispatcher for the repeaters telephone exchange. Third, in our area we have a lid who likes to experiment with his touchtone pad. He never ids, rarely talks and never transmits long enough for us to DF him. If our patch were open, this jerk would be making funny phone calls to the county EOC. We have had to change all of our speed dial numbers from 3 to 4 digits since this *&@% figured out some of the 3 digit codes. Last, in my case I travel regulary from Harrisburg to Philadelphia and from Harrisburg to DC, there is no way I am going to remember all of the repeater access codes for these 2 hour trips.

If I can't raise anyone on 2 meters, I can always fall back on that <gasp> 27 MHZ CB set that I keep in the car for emergencies.

73 Dave KA3UZR

--
Dave Hultberg Packet: KA3UZR @ WB3EAH.PA.USA.NA Fidonet: 1:270/101.28
uunet!rutgers!psuvax1!eds1!wa3wbu!compnect!daveh CI$: 72437,3215
Snail mail: 1407 Concord Rd., Mechanicsburg, PA 17055-1955
FAX: 717-790-3689

From 2609260838792539258
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,279333ede75dcb7b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 12:23:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!agate!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: Was: 2M HT's and intermodulation, now synchronizing transmitters
Message-ID: <9010111923.AA21470@ucsd.edu>
Date: 11 Oct 90 19:23:20 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4
Posted: Thu Oct 11 20:23:20 1990

I've seen information that indicated that this was done for AM broadcast transmitters for filling in recetion areas. Is it possible to this for FM voice, like a repeater output, or even for FM broadcast for filling in areas?

From -8022230849113370832
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,65e5a26f006c36d0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 12:27:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!ucsd!swrinde!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Re: turn down the flamethrower, Tad
Message-ID: <1250245@hpnmdla.HP.COM>

Date: 11 Oct 90 19:27:08 GMT
References: <69.27121FBB@rochgte.FIDONET.ORG>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 24
Posted: Thu Oct 11 20:27:08 1990

Regarding the equipment upgrade at W1AW:

>Just out of curiosity, how old was the gear they replaced? Was it
>rendered unsuitable because of parts unavailability?

The old gear was old when I started to work at W1AW (1972). There was a master exciter that generated SSB, CW or RTTY signals at a fixed frequency (3 MHz). This signal was then heterodyned with a series of crystal-controlled frequency converters to the the required signals for 160/80/40/20/15/10/6 meters. (The 2 meter rig was a conventional multiplier scheme modulated directly on phone, and tone modulation on CW.) All this was tube-type gear "homebrewed" in the ARRL lab.

The kilowatt amplifiers were "homebrewed" by Bill Orr W6SAI and friends at the Eimac ham radio club. Each used a 3-1000Z final with either either a 4CX-250 (20/15/10M) or pair of 6550's (80/40) for a driver.

I imagine this stuff was getting pretty "long in the tooth" after 30 years or so of continuous use.

AL N1AL

From -797260117173868839
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,82e3030288dc7423
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 12:38:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!cs.utexas.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: W1AW Broadcasts
Message-ID: <1250246@hpnmdla.HP.COM>
Date: 11 Oct 90 19:38:57 GMT
References: <4204@altos86.Altos.COM>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 28
Posted: Thu Oct 11 20:38:57 1990

>I wasn't complaining, rather, I was merely stating the facts. For the
>*most part*, W1AW is a broadcast station. There are times when guest
>operators and staff use it for two-ways, but mostly it's used for bulletin
>and code practice purposes. It's also a fact that the bulletin and code

>practice transmissions are conducted by paid operators for whom the ARRL
>had to get a special dispensation from the FCC.

The story behind this is fascinating. W1AW had been using paid operators since 1936 (and before that at W1MK) with no legal problems. The amateur regulations at that time had a prohibition against compensation for use of an amateur STATION, but no prohibition against payment for OPERATING.

Along about 1973 or 1974, the FCC changed the wording on some of the regulations in the iterest of "clarifying" them. Yes, you guessed it, the new rules made paid operators illegal. When the FCC realized what they had done, they issued a temporary permission for W1AW to stay on the air.

Then they added new rules allowing paid operators for certain types of amateur broadcasting. (Must transmit on all HF Amateur bands, must broadcast at least a certain number of hours per week, etc.) In effect, this part of the rules was written to legalize W1AW. I haven't checked since the latest rules re-write, but I think essentially the same language is still there.

Al N1AL

From 4730811454642829950
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7ba1b104af081a8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 13:30:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!larry!sde
From: sde@larry.sal.wisc.edu (Scott Ellington)
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and intermodulation.
Message-ID: <1144@larry.sal.wisc.edu>
Date: 11 Oct 90 20:30:34 GMT
References: <05.Oct.90.12:11:22.BST.#3652@UK.AC.NWL.IA> <40562@cci632.UUCP>
<364@ssc.UUCP> <40636@cci632.UUCP>
Reply-To: sde@larry.sal.wisc.edu.UUCP (Scott Ellington)
Organization: Space Astronomy Lab, Madison, WI
Lines: 12
Posted: Thu Oct 11 21:30:34 1990

The reason a larger antenna may make intermodulation problems worse has to do with the nonlinear nature of intermodulation. If, for example, the larger antenna increases the strength of all the signals at the receiver input by, say, 10 dB, the intermodulation products will increase in strength by at least 30 dB. This leads to the standard test for intermodulation: Insert a known attenuation between the antenna and receiver, and note how much the strength of the spurious signal changes.

Intermodulation products will change by more than the value of the attenuator,
while spurious transmitter signals will change by the attenuator value.

Scott Ellington K9MA

From -4719514675213332717
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a5675b931c9ded6a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 14:11:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!uunet!zephyr.ens.tek.com!gvgpsa!johnk
From: johnk@gvgpsa.GVG.TEK.COM (John Kirby)
Newsgroups: rec.ham-radio
Subject: HT recommendation
Keywords: HT, recommendation, 2m
Message-ID: <1581@gvgpsa.GVG.TEK.COM>
Date: 11 Oct 90 21:11:11 GMT
Organization: Grass Valley Group, Inc., Grass Valley, CA
Lines: 13
Posted: Thu Oct 11 22:11:11 1990

I'm SURE that this has been hashed out before, so my apologies. But...
my wife just got her tech ticket, and so I'm in the HT market again.

I've already got a Kenwood TH-25AT (which has since been replaced by
the TH-26AT I believe). It seems to work fine although once in a great
while (about once every three months) it loses it's memory.

Question: does anyone have a recommendation for an HT in the $300 range?
Does anyone recommend the TH-26AT? I'd like to get one that is
physically small like the TH-25AT.

Thanks.... John Kirby

From -7983441286770925600
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e1bf652b0d5c35ee,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 14:32:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: contacting emergency services (was: modifying HT's)
Message-ID: <9010112132.AA02403@ucsd.edu>
Date: 11 Oct 90 21:32:38 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 43

Posted: Thu Oct 11 22:32:38 1990

That nearby payphone may not be your best bet. This was in the
Telecom-Digest today:

From: Mike Payer <mpay@pacbell.com>
Subject: Re: San Francisco P.D. and 911 Priorities
Date: 9 Oct 90 17:17:33 GMT
Organization: Pacific * Bell, San Ramon, CA

In article <13070@accuvax.nwu.edu> optilink!cramer@uunet.uu.net
(Clayton Cramer) writes:
X-Telecom-Digest: Volume 10, Issue 714, Message 7 of 12

>A local news story yesterday gave a disturbing example of how San
>Francisco Police Department sets the priorities on 911 calls. A young

Clayton,

I do a lot of work interfacing with law enforcement on 911 type calls.
And I can tell you for a fact that when a call comes in from a coin
phone the response of the dispatch centers in many cases is "Oh a coin
phone, oh well".

As a result of this I have told my family and friends that if they are
at pay phone they would be much better off dialing "0" and just
screaming for help. The operator will have the number you called from
and the law enforcement people seem to take these call more seriously.

This may sound strange but it seems to be the way it works.

I believe part of the problem is the high amount of prank called by
teenagers to 911 on coin telephones. It's not unusual to see someone
work their way from one end of town to the other dialing 911 on pay
phones.

Don't construe this as an excuse for the S.F.P.D. it's not. It's just
the way the system works.

Michael S Payer Jr
Administrator   FAX 415-867-0344
Emergency Control Center   pacbell!pbecc!msp   pacbell!pbhya!mpay

From -4551309550780192619
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7ba1b104af081a8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 14:58:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!

pacbell.com!pacbell!hoptoad!unisoft!fai!sequent!mntgfx!mbutts
From: mbutts@mentor.com (Mike Butts)
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and intermodulation.
Message-ID: <1990Oct11.215802.503@mentor.com>
Date: 11 Oct 90 21:58:02 GMT
Organization: engr
Lines: 20
Posted: Thu Oct 11 22:58:02 1990

Pete Lucas G6WBJ pointed out that a Toko helical filter (from DigiKey in the US) will do wonders to put the VHF overloading sources into the weeds, but that putting the 0.7 by 0.5 by 1.2 inch filter in a project box with connectors is more than a little clumsy.. Has anyone thought about making a big rubber duck or a mag mount whip with a filter integrated into the base??? Helluva neat product if it works. (Please send royalty checks to my callbook address hihi.)

I use a home-brewed 1/4-wave mag mount (based on a magnetic mike holder, a chassis-mount BNC and piano wire, from Hints & Kinks), and I suffer a bit of intermod with it on my IC-u2. Maybe I'll try it...

73 de KC7IT

--
```
Michael Butts, Research Engineer          KC7IT          503-626-1302(fax:1282)
Mentor Graphics Corporation, 8500 SW Creekside Place, Beaverton, Oregon   97005
...tektronix!sequent!mntgfx!mbutts    uunet!mntgfx!mbutts     mbutts@mentor.com
Any opinions are my own, and aren't necessarily shared by Mentor Graphics Corp.
```

From -8093381324857481215
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7ba1b104af081a8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 15:26:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and intermodulation.
Message-ID: <7880315@hpfcdc.HP.COM>
Date: 11 Oct 90 22:26:02 GMT
References: <05.Oct.90.12:11:22.BST.#3652@UK.AC.NWL.IA>
Organization: HP Fort Collins, Co.
Lines: 51
Posted: Thu Oct 11 23:26:02 1990

> ...difference... between my 'old generation' Yaesu and Icom HTs and my
> Kenwood TH 26. I attribute most of this to the extended frequency
> coverage of the Kenwood (138 to 174 MHz)... Anyone have similar
> experiences or maybe even hard data?

I have experienced intermods on certain ham frequencies with my Yaesu FT411, picking up paging frequencies around 164MHz. They did not use varactor tuning, instead a wide front end, and a high IF to partly compensate. Here are some details.

Measured sensitivity:

MHz	uV
130	0.25
135	0.2
140	0.2
146	0.2
148	0.22
152	0.22
155	0.25
156	0.4
158	0.4
160	0.8
162.55	1.35
165	2.5
168	7
172	24
174	600

At 147.000: frequency 210 Hz low; deviation 4.2 KHz; tones deviation 3.2 KHz low, 3.3 KHz high (very uniform), but rather "hot" (normal is 2.2 KHz).

Based on 900718 call to the Yaesu 800 number:

The factory modification corrects an intermodulation problem. It changes the IF from 17.3 MHz (he confirmed that our measurement was correct) to 21.0 MHz. Why? The FT411 does not contain varactor tuning because "it's harder to fix, and apparently was cheaper to build it without that feature". (A quote from the guy I talked with: "They're designed and manufactured in Japan, we just sell them here.") Hence the FT411 has a wide RF front end, about 28 MHz, and a higher than usual IF, 17.3 MHz, to "push" image frequencies out of the front end band.

Unfortunately, the IF is just right for a repeater at 145.250 MHz to swamp 162.550, a common weather channel, through intermods. This was the case in Indianapolis, where a powerful wide-area repeater interfered with receiving weather radio channel 1.

Searching my Colorado frequencies database for deltas of 17.3 MHz (plus or minus 5 KHz), I found surprisingly few conflicts...

From 4903150898868731719
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc60d0a31f629acc,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-10-11 15:28:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: DAB taking ham freqs?
Message-ID: <9010112228.AA02460@cmr.ncsl.nist.gov>
Date: 11 Oct 90 22:28:58 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 86
Posted: Thu Oct 11 23:28:58 1990

Was I not tuned in, or has there been no mention of the FCC's proposals for accomodating digital audio broadcasting (DAB) ? The FCC has put forth three possible choices of frequency bands for DAB:

1) DAB somewhere in the 700 MHz region - taken from UHF TV (fat chance!).
2) DAB somewhere around 1700 MHz, taken from aircraft telemetering, with the telemetering moved to 2390-2450 MHz, this band taken from amateur radio.
3) Take the 2390-2450 MHz band from amateur radio and use it for DAB.

This would still leave the 2300-2310 MHz section of the ham band.

This brings me to the deeper question. WHY DO WE NEED ALL THAT MICROWAVE BANDWIDTH??

> My ham interests have mostly been in weak-signal, narrow-band operation. Clearly "my" type of operation doesn't need wide microwave bands, if narrower ones could be kept clear of slop-over from the neighbors.

I assume that ALL non-weak-signal microwave amateur communication will employ repeaters of some type, to get around the line-of-sight or big-antenna problems. As far as band-occupation is concerned, this is a BIG WIN - each QSO uses twice as much bandwidth (or time). (I don't think anyone can seriously fault the use of repeaters on these bands.)

> Assuming a vast increase in interest in digital communication, how much bandwidth is needed for it? What about the W6GN, et al, megabit data limks? Won't they be time-shared among a number of users? I think that the real question lies in how many "digital" hams there will be in any major metropolitan area, and how much information any given user is likely to want to transfer in the average minute. In computer terms, it seems unlikely that the user will "swap" with a central server. The only other BIG digital use that occurs to me is file transfer to/from servers. Today's fancy workstations mostly get by with quite a few connected to single 10 Mbit/s ethernet - even though the boss would have to to pay big salary bucks if employees waited for files. The engineering-design folks now talk about 100 Mbit/s FDDI local nets; but they are also talking about huge descriptions of all the layers/materials in a complex VLSI circuit, or ship, or ....
I have no files (except VLSI chip designs) that are much over 1/4 megabyte.

I think that it's going to be a long time (never?) before many hams deal with computer files as big as even a single layer of a VLSI design.

If you assume that each ham using a file server by radio transfers one quarter-megabyte file each minute, each ham averages about 35 kbit/s. (I don't really believe this much AVERAGE traffic, do you?) These are very one-sided transmissions because it doesn't take many bits to request a file.

Number of hams in an "Area"	Resulting average data transfer
2	70 kbit/s
20	700 kbit/s
200	7.0 Mbit/s
1000	35 Mbit/s

So 1,000 hams in a single geographical area, all simultaneously actively using file servers by radio, would occupy less bandwidth than the threatened part of the 2400 MHz band!! (And we have lots of other microwave bands.)
Please, somebody, tell where I have gone wrong.
Remember, this must be entirely non-business-related traffic.

> The transmission of "human" images, like television (TV), has traditionally been an analog process. And it uses 6 MHz or so per picture, CONTINUOUSLY. A real "win" for band occupation. But compressed TV is already available. Quite good TV can be sent compressed to about 1 megabit per second, and it only gets a bit "jerky" at 300 kbit/s. But at least each TV signal occupies its channel nearly full-time, not bursty enough to allow time-sharing like digital data. TV will definitely need repeaters; doubling the occupied bandwidth. Since it takes two to QSO, a through-repeater contact still only uses one "TV-bandwidth" per participating station.

Number of TV hams active in "Area"	Bandwidth using 6-MHz channels	Bandwidth if TV signal compressed to 1 Mbit/s
2	12 MHz	2 Mbit/s
20	120 MHz	20 Mbit/s
200	1.2 GHz	200 Mbit/s
1000	6 GHz	1 Gbit/s

So, even with a large increase in number of hams due to a no-code license, I conclude that the only ham application likely to NEED all our microwave bandwidth is the transmission of TV images.

COMMENTS ?? 73, Bob W3OTC
**** This is none of my employer's business. ****

From -100349662243639187
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,46aaec2233e14012
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-10-11 15:31:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: can 2sat do repeater split of 6.46 MHz?
Message-ID: <7880316@hpfcdc.HP.COM>
Date: 11 Oct 90 22:31:35 GMT
References: <65.271079D4@rochgte.FIDONET.ORG>
Organization: HP Fort Collins, Co.
Lines: 10
Posted: Thu Oct 11 23:31:35 1990

> Civilians do not belong on the police radio, therefore they do not need
> access to equipment that will transmit there.

Ah, but this civilian owns equipment *normally used for other purposes*
that *will* transmit there in an emergency. And this civilian is smart
enough to recognize an emergency, and even so, to stay out of the way
unless there is a positive benefit to his transmitting. Is this not a
Good Thing?

Alan, N0MFW

From 5927825535453416908
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8924141da8b9b38a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 15:47:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcuhb!fel
From: fel@hpcuhb.cup.hp.com (Skip La Fetra)
Newsgroups: rec.ham-radio
Subject: Re: Re: Calling the cops by radio (was Re: performance of QRP)
Message-ID: <10510011@hpcuhb.cup.hp.com>
Date: 11 Oct 90 22:47:54 GMT
References: <1530054@hpsad.HP.COM>
Organization: Hewlett Packard, Cupertino
Lines: 14
Posted: Thu Oct 11 23:47:54 1990

I've been trying to stay out of the discussion, but my $0.02 worth:

If the situation is severe enough that I would gladly sacrifice my
license, pay a substantial fine, or {insert-favorite-punishment},
then, and only then, would I consider trying to use police/fire/whatever
frequencies if I were able.

I also strongly belive that if the situation were *that* serious, then
thems-who-are-in-power would choose not to prosecute.

My rigs are capable of reception out of band, but I've never bothered to learn if they are capable of out-of-band transmit modifications.

- Skip   AA6WK

From -2330402927577442251
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,859956c3376cba5d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 15:48:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Webster Smogpule III)
Newsgroups: rec.ham-radio
Subject: Re: Need Ugandan contact
Keywords: me too!
Message-ID: <38141@ut-emx.uucp>
Date: 11 Oct 90 22:48:41 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 40
Posted: Thu Oct 11 23:48:41 1990

anderson@skvax1.csc.ti.com (John H. Anderson N5OPY) writes:

>>I have been asked for help in contacting a Peace Corp[s] volunteer
>>in Uganda via Amateur Radio. A friend is fearful of his safety.
>>Is there any one here who knows of an amateur in or near there?
>>If you know of an HF voice station, a sched. and freq. would be helpful.

I say "me too", because I have been on the air looking for DX for the last 3 years and have yet to hear anyone on the air from Uganda. I'm not sure if ham radio is not allowed there at the moment, or whether there are just very few licencees and they all keep quiet because of the hordes of US and other DXers that would descend on them. Or else I have just missed them.

So if anyone knows of any activity, please let me know too! (I'd prefer it on CW but phone will do...).

There is considerable activity from several neighboring countries - Kenya, Tanzania, Zaire and Rwanda all share a border with Uganda and have active hams. I'd guess, though, that it might be easier to enquire through the embassy and other routes.

To quantify the rarity of Uganda, it is #41 on the latest list of "most wanted countries" (in the radio sense) that I saw. Perhaps this is an omen, as I need 41 more countries, so statistically Uganda ought to be the next one I find...

I'm not being completely frivolous above, it really is very rare on the amateur bands, and I wouldn't be optimistic about finding any information this way. I would expect the U.S. embassy there to be in daily communciation

with people here, on non-amateur bands (now I'll get flamed by people who
tell me that in an emergency I can use any wavelength I want to - sigh...).

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From 7092945572605778501
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55888b98d8a29769
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 16:03:40 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ub!
uhura.cc.rochester.edu!rochester!udel!masters
From: masters@freezer.it.udel.edu (paul masters)
Newsgroups: rec.ham-radio
Subject: Re: deed restrictions
Message-ID: <33201@nigel.ee.udel.edu>
Date: 11 Oct 90 23:03:40 GMT
References: <9010111337.AA00390@cmr.ncsl.nist.gov>
Sender: usenet@ee.udel.edu
Organization: University of Delaware -- ACIT Sun Lab
Lines: 17
Posted: Fri Oct 12 00:03:40 1990
Nntp-Posting-Host: toffee.it.udel.edu

>but we (and our League) should do our best in beating back restrictive sales
>conditions. How??? Dispite the odds against us, the League should keep
>up its work toward getting requirements for broadcast receiver overload
----

Does ARRL have a lobby in congress. I'm about to get licenced, and I
would like to know if I have an optimistic future in amateur radio. I'm
still considdering the option of illegal configuration, but I hope it
doesn't come to that.

Paul

--
I will not waste chalk..I will not skateboard down the halls..I will not
burp in class..I will not instigate revolution..I will not draw naked ladies
in class..I did not see Elvis..I will not call my teacher "Hot Cakes"..
Garlic gum is not funny..They are Laughing at me, not with me.....

From -4715505706346630511
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a511f70163af59f9
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-10-11 18:57:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!van-bc!ubc-cs!fornax!ballanty
From: ballanty@fornax.UUCP (Rob Ballantyne)
Newsgroups: rec.ham-radio
Subject: Re: NEW CANADIAN LICENSING STRUCTURE--T
Summary: Mail me the original article please
Message-ID: <1371@fornax.UUCP>
Date: 11 Oct 90 07:28:17 GMT
References: <27073@<7213> <30500765@ux1.cso.uiuc.edu> <360@aupair.cs.athabascau.ca>
Organization: School of Computing Science, SFU, Burnaby, B.C. Canada
Lines: 19
Posted: Thu Oct 11 08:28:17 1990

I've missed the original article -- would someone please mail it to me.

I'm interested in getting my licensce here in Canada but don't know the current licenscing requirements.

Thanks,
Rob

```
-------------------------------------------------------------------------
| Rob Ballantyne                  |                                     |
| email: ballanty@cs.sfu.ca       |                                     |
|                                 |                                     |
| Simon Fraser University         |   I can't decide what to put here   |
| Dept of Math/Stats              |                                     |
| Burnaby,BC                      |                                     |
| Canada                          |                                     |
-------------------------------------------------------------------------
```

From 8738189586159592027
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 19:28:28 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Summary: 9-1-1
Message-ID: <368@ssc.UUCP>
Date: 12 Oct 90 02:28:28 GMT
References: <30583@netnews.upenn.edu> <30500763@ux1.cso.uiuc.edu>
Organization: very little
Lines: 73
Posted: Fri Oct 12 03:28:28 1990

In article <30500763@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
>

Tad sez:

> > WHAT central dispatcher? Modern 911 systems in large municipalities
> > use SELECTIVE ROUTING based upon the phone number.

Phil sez:
>
> The same one that cellular calls are routed to. Does your system just route
> cellular calls to a random/arbitrary jurisdiction? Cells don't align with
> the jurisdictions unless we have solved some problems in the physics of
> radio waves I have not heard of.

Check back issues of the APCO Bulletin, or symposiums at past NENA conferences.
This problem has NOT been worked out yet for cellular.

{NENA: National Emergency Number Association   }
{APCO: Association of Police Communications Officers}

Phil sez:
>
> > > You should at least make sure that the dispatching computer knows the number
> > > of the repeater, and brings up instructions to the dispatcher for all calls
> > > coming on in that number to explain that it is coming in over a wide area,
> > > and that it is operating via radio. That avoids having to explain all this
> > > to the dispatching during the call.
> > >

Tad sez:
> >
> > We didn't get any response when we asked the local 911 PSAP (Public Safety
> > Answering Point) to modify the ALI (Automatic Location Identification)
> > database. So we programmed the repeater controller to dial the 7 digit
> > equivalent when it hears 911, which eliminates any ANI/ALI.

Phil sez:
>
> What 7 digit equivalent? Where does it go to?

Tad sez:

The one that you use when you don't want ALI on the call! This is the
number that you use to call something into the city when you are in
the suburbs. In Seattle a couple of examples are 625-5011 and 583-2111.
It is switched through the network, rather than trunked. Because it
doesn't originate at the CO through a TSPS-like trunk, there is no ANI
or ALI.

Phil sez:

>
> It definitely sounds like there is a management problem there. Maybe you
> could get better response through the local TV media. They eat stories
> like that for lunch.

Tad sez:

How typical for rec.ham-radio! This ought to win ham radio a bunch of friends. If the obvious network solution is to program in the 7 digit equivalent to eliminate ANI/ALI, why piss people off by insisting on doing it YOUR way?

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 7136005749458880987
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,660a9f355f612a6a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,660a9f355f612a6a,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-10-11 19:29:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!psuvax1!rutgers!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: * SpaceNews 15-Oct-90 *
Keywords: DOVE, STS-41, STS-35, OSCAR-13, Weather Sats
Message-ID: <355@ka2qhd.UUCP>
Date: 12 Oct 90 02:29:58 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 121
Xref: gmdzi rec.ham-radio:15707 sci.space:16739
Posted: Fri Oct 12 03:29:58 1990

SB SPACE @ ALLBBS $SPC1015
* SpaceNews 15-Oct-90 *

Bulletin ID: $SPC1015

=========
SpaceNews
=========

MONDAY OCTOBER 15, 1990

SpaceNews originates at KD2BD in Wall Township, New Jersey, United States. It is published every week and is made available for unlimited distribution.

* DOVE NEWS *

DOVE-1 is being reset and re-loaded with new operating software. Here is a recent message by Bob McGwier (N4HY) carried on DOVE's beacon:

DOVE-1>BRAMST <UI>:
DOVE will be reset during the first week of October unless further notice is given here. AMSAT-NA meeting is Oct 19-21 at the Johnson Space Center, Houston, Texas. See you there! de BM.

* SPACE SHUTTLE NEWS *

Mission STS-41 successfully deployed the Ulysses spacecraft from low-earth orbit during its mission last week. Shuttle Columbia is currently being prepared for mission STS-35, which will carry WA4SIR and an Amateur Radio experiment into earth orbit. Columbia had to be moved from launch pad 39B back to the vehicle assembly building due to high winds from tropical storm Klaus off the Florida coast. Baggies were installed on various joints and valves in the main propulsion system in an effort to pin-point fuel leaks. None were found during testing. Launch is scheduled for 01-Dec-90.

* WEATHER SATELLITES *

Spacecraft	Catalog #	Frequency	Status
NOAA 9	15427	137.620	Active-Afternoon
NOAA 10	16969	137.500	Active-Morning
NOAA 11	19531	137.620	Active-Afternoon
Meteor 2-16	18312	137.850	Currently Commanded Off
Meteor 2-17	18820	137.300	Active
Meteor 2-18	19851	137.300	Currently Commanded Off
Meteor 3-2	19336	137.300	Currently Commanded Off
Meteor 3-3	20305	137.850	Active
Meteor 2-19	20510	137.850	Currently Commanded Off
Feng Yun 1B	20788	137.795	Active

* OSCAR-13 NEWS *

Spacecraft magnetorquing is scheduled to commence today. This operation will modify the attitude of the spacecraft and improve solar panel illumination. Mode S transponder operations should return soon after this attitude change is made.

* TNX QSL! *
============
A special thanks to all those who sent QSLs, cards and letters to SpaceNews:

K2IGH : John Trautvetter, Forked River, New Jersey, U.S.A.
KA1PES : Art Higginbotham, North Attleboro, Massachusettes, U.S.A.

...and packet radio messages:

I2JJR : Augusto in Luino, Italy
WD6DPP : Tim Takeuchi in San Jose, California

* HAPPY BIRTHDAY! *
===================

```
:::::::::::::::::::::::::::::::::::::::::::::
::                                         ::
::          HAPPY BIRTHDAY, DENA!!         ::
::                                         ::
::  You're Out Of This World, Sweetheart!  ::
::                                         ::
::                Love, John               ::
::                                         ::
:::::::::::::::::::::::::::::::::::::::::::::
```

* FEEDBACK WELCOMED *
=====================
Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

UUCP   : ...!uunet!masscomp!catfish!ka2qhd!kd2bd
AMPR   : KD2BD @ NN2Z.NJ.USA.NA

MAIL   : John A. Magliacane
         Department of Electronics Technology
         Advanced Technology Center
         Brookdale Community College
         765 Newman Springs Road
         Lincroft, New Jersey 07738
         U.S.A.

<< If you like what you see, send us your QSL card! >>

/EX

```
--
John A. Magliacane                 FAX  : (908) 747-7107
Electronics Technology Department  AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College        UUCP : ..!uunet!masscomp!ocpt!ka2qhd!kd2bd
Lincroft, NJ  07738  USA           VOICE: (908) 842-1900 ext 607


From 3056747086612626857
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e16fbe5a34ede3e0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 19:42:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!usc!ucsd!ucbvax!
PICA.ARMY.MIL!batchler
From: batchler@PICA.ARMY.MIL ("Laing T. Batchler", FSAC)
Newsgroups: rec.ham-radio
Subject: Solar Forcast
Message-ID: <9010110742.aa14839@FSAC1.PICA.ARMY.MIL>
Date: 11 Oct 90 11:42:35 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Thu Oct 11 12:42:35 1990

Bravo!! A job well done
Thank you for the most informative Solar Terrstrial Forcast I'v seen
to date
Please keep it coming
Most refreshing from the normal bull s#$#^%%^ that is posted
                             Best 73
                             The Beat Goes On
                             Laing KB3TS
                             Dx & Contest forever


From 4893766159353262166
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56695760eb180348
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 22:36:23 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!ousrvr!ousrvr!luru
From: luru@stekt.oulu.fi (Ari Husa OH8NUP)
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was
Message-ID: <LURU.90Oct11143833@stekt.oulu.fi>
Date: 11 Oct 90 13:38:33 GMT
References: <80505@<1990Oct8> <30500764@ux1.cso.uiuc.edu> <4096@kitty.UUCP>
Sender: news@ousrvr.oulu.fi
Organization: The Buffalo Club
Lines: 32
Posted: Thu Oct 11 14:38:33 1990
In-reply-to: larry@kitty.UUCP's message of 11 Oct 90 02:30:07 GM
```

In article <4096@kitty.UUCP> larry@kitty.UUCP (Larry Lippman) writes:

> > * 97.403 Safety of life and protection of property.
> > * No provision of these rules prevents the use by an amateur station of
> > * any means of radiocommunication at its disposal to provide essential
> > * communication needs in the connection with the immediate safety of human
> > * life and immediate protection of property when normal communication
> > * systems are not available.

>   Therefore, the above referenced rule is not carte blanche permission
> for an amateur radio operator (in the event of an emergency) to operate a
> radio station on *any* frequency from DC to light in any manner they so
> choose. Since the above referenced rule is contained *within* the sections

Yes? No! Yes! NO! YES!!!

Well, I suppose you rather watch someone die because you don't think
it is permitted to call help. Ehmm..?

Especially here in Finland, getting a QSO to a fellow ham may be
difficult due to long distances between repeaters - and usually a
police repeater is closer, although that is not certain either. If
there happens to be a ham repeater, there are not always hams there -
consider an accident that happens at 3.30 AM.. The fact that it is
quite uncommon to "happen" to pass by the scene at that hour is not
relevant.

Fortunately, our regulations state the proper procedure quite
explicitly. Not "permitted", but "required". And I figure that would
be a responsibility of ANY innocent bypasser.

Luru

From 3292429216217261103
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12fbc0870452d853,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 22:40:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!SATURN.ACC.COM!jhk
From: jhk@SATURN.ACC.COM (John H. Klingelhoeffer)
Newsgroups: rec.ham-radio
Subject: REQUEST FOR TEST EQUIPMENT MANUALS INFO
Message-ID: <9010111349.AA09070@saturn.acc.com>
Date: 11 Oct 90 13:49:36 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 46
Posted: Thu Oct 11 14:49:36 1990

Subject: REQUEST FOR INFORMATION ON LAB TEST EQUIPMENT

I've been given some partially working lab test equipment that I would like to use around the bench at home, but have no manuals which would help a great deal in repair.

If you have manuals for one or more of these pieces of equipment, I'd be more than happy to either pay for the copying at your location or for the shipping to get them to here for copy and back to you.

Here is the list:

```
O'scope, Tektronix model 564B storage scope
     with : 3A1 Dual Trace Amp Plug In
                3B3 Time Base
                3A7 Differential Comparator

O'scope, Hewlett-Packard model HP180D
     with : 1805A 100 Mhz Dual Channel Vertical Amp
                1824A Time base and Sweep Expander

EiP Autohet Counter, Model 351C
     (has panel markings to go to 18 GHz, but someone has robbed
      the first mixer and also the basic counter board, which can
      probably be rebuilt)

Universal Counter, Hewlett-Packard HP5328A with Digital Voltmeter
     and "Universal Module" (what a great name!)
```

Mail, email, phone or fax reply would be appreciated. I'd like to get the stuff working again for ham radio use. Thanks.

John, WB4LNM...

```
+------------------------------------------+---------------------------------+
|                                          | The ORIGINAL ACC, from ARPANET |
| John H. Klingelhoeffer                   |  days, not the imposter that   |
| Director, Government Special Operations |   makes repeater controllers   |
| Advanced Computer Communications         +---------------------------------+
| Systems Division                         | Voice: 301-290-8100            |
| 10220 Old Columbia Road                  | Fax:   301-290-8106            |
| Columbia, Maryland  USA   21046-1725     | Radio: 224.56/147.135 WB4LNM   |
|                                          | Internet: jhk@saturn.acc.com   |
+------------------------------------------+---------------------------------+
```

From 4995910649719705188
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55888b98d8a29769
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 22:41:37 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!CMR.NCSL.NIST.GOV!rc

From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: deed restrictions
Message-ID: <9010111337.AA00390@cmr.ncsl.nist.gov>
Date: 11 Oct 90 13:37:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 15
Posted: Thu Oct 11 14:37:50 1990

IMHO, this subject hits on the most serious threat to amateur radio; at least when coupled with the economic situation that forces most younger families into apartments or row (town) houses. Why should I get a ham license if I can't put up good-enough antennas to really be able to work much? If my rig/antenna is 3 meters from the neighbor's TV, I'm asking for trouble.

There isn't much that the amateur community can do about the cost of housing, but we (and our League) should do our best in beating back restrictive sales conditions. How??? Dispite the odds against us, the League should keep up its work toward getting requirements for broadcast receiver overload performance.

Just my thoughts ....

Bob W3OTC

From -8510761769129038288
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56695760eb180348
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 23:11:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!samsung!emory!gatech!eedsp!lagrange!tucker
From: tucker@lagrange.eedsp.gatech.edu (Jeff Tucker)
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was
Message-ID: <1243@eedsp.eedsp.gatech.edu>
Date: 11 Oct 90 13:52:58 GMT
References: <80505@<1990Oct8> <30500764@ux1.cso.uiuc.edu> <4096@kitty.UUCP>
Sender: news@eedsp.eedsp.gatech.edu
Reply-To: tucker@lagrange.eedsp.gatech.edu (Jeff Tucker)
Organization: Georgia Institute of Technology
Lines: 75
Posted: Thu Oct 11 14:52:58 1990

In article <4096@kitty.UUCP>, larry@kitty.UUCP (Larry Lippman) writes:
|>In article <30500764@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
|>> * 97.403 Safety of life and protection of property.
|>> * No provision of these rules prevents the use by an amateur station of
|>> * any means of radiocommunication at its disposal to provide essential
|>> * communication needs in the connection with the immediate safety of human

|>> * life and immediate protection of property when normal communication
|>> * systems are not available.
|>>
|>> As I read this rule, it tells me that my amateur station (and it remains
|>> in the amateur service) is not prevented by other rules (such as limits
|>> on frequency or power) for radio communications under specific
circumstances
|>> it mentions.
|>
|>   I interpret the above rule in a different manner.
|>
|>   I believe that this and other amateur radio rules and regulations
|>must be interpreted in the *context* of their application to the amateur
|>radio service. As I see it, the above section relaxes the rules pertaining
|>to amateur radio operation in the event of an emergency, but *only* as they
|>apply to operation within frequencies allocated to the amateur radio
|>service. As an example, in the event of an emergency a novice or technician
|>class licensee could operate using amateur radio frequencies and/or employing
|>power and emission modes which they are not normally entitled to operate.
|>
|>   Therefore, the above referenced rule is not carte blanche permission
|>for an amateur radio operator (in the event of an emergency) to operate a
|>radio station on *any* frequency from DC to light in any manner they so
|>choose. Since the above referenced rule is contained *within* the sections
|>pertaining to amateur radio operation, it could only pertain to those
|>frequencies allocated to amateur radio operation.
|>
|>Larry Lippman @ Recognition Research Corp. "Have you hugged your cat today?"

Larry, I hope that I'm not getting the rep. as a real flamer and arguer
in these
here parts. But, predictably, I disagree. But, let's not take the
extreme case
that has been discussed of jumping on and calling a dispatcher. Let's
take this.

The big one hits the San Madrid fault and half of Southern IL falls in the
Mississippi. I'm home visiting, so I'm there and early on the scene.
The police
or EMS people see my radio and tell me to go stand on the other side of
this big
piece of concrete they're lifting and tell me if I see any casualties.
Now, the
law about type acceptance is not in part 97, so I have to say, sorry I can't do
that. The FCC wouldn't like it.

I think that clearly the FCC wasn't trying to say "Ok, all you Techs get to use
the General CW band if it's a real big emergency." It states explicitly, "any
means of radiocommunication at its disposal." And, to me that means any means.
I think you can replace "any" with "all" or "each and every" and it's hard to
respectably argue that they really mean "some" or "a few of the means at its
disposal." They also contrast these communications with "normal communication
systems." I hardly think that this simply means staying in your license

restrictions. The wording makes it clear that they are talking about something
much more drastic.

This argument is different than the one about calling the dispatcher. Although
that is certainly controversial, I think this one is very clear. Please don't
subvert the ability of responsible hams to contribute to emergency
communications.
Just take the rules for what they say and trust that I'll remember the
other part,
which states that the comms must be about "immediate safety of human
life... when
normal communication systems are not available."

Jeff Tucker   N9HZQ
tucker@eedsp.gatech.edu   Graduate Student, Electrical Engineering
                                    Georgia Institute of Technology

From -6591498580757520456
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1f794f611069b46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 23:39:40 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!yale!cs.yale.edu!ewing-martin
From: ewing-martin@cs.yale.edu (Martin Ewing)
Newsgroups: rec.ham-radio
Subject: Re: Ouch! ARRL takes a deeper bite....
Message-ID: <1990Oct11.102904@cs.yale.edu>
Date: 11 Oct 90 14:29:04 GMT
References: <62.27102577@rochgte.FIDONET.ORG>
Sender: news@cs.yale.edu
Reply-To: ewing-martin@cs.yale.edu (Martin Ewing)
Organization: Yale University SECF, New Haven, CT 06520-1968
Lines: 29
Posted: Thu Oct 11 15:29:04 1990
Nntp-Posting-Host: mora.ycc.yale.edu

In article <62.27102577@rochgte.FIDONET.ORG>,
David.Stark@f218.n260.z1.FIDONET.ORG (David Stark) writes
 ...
|>   This is especially galling when the League has to ask for
special
|> contributions to fund its preparations for WARC '92. I think such
preparations
|> are among the most valuable services the League can perform, but
asking me for
|> extra money in almost the same breath as telling me they've decided
to hire 3
|> new people without consulting with me is a bit much.
...

Which is fairer, asking for optional contributions or raising the dues?

Personally,
I think ARRL has been doing a great job for the 33 years I've been a
member. (Guess
that makes me an OF, eh?) However, it takes money to do things, and
relying on dues
alone seems pretty regressive. There's a large range in "ability to
pay" among our
membership, so why not have special funds for special purposes?

I have my limits, though. I draw the line at ARRL Visa cards!

Martin Ewing, AA6E
Yale University Science & Engineering Computing Facility
Ewing-Martin@Yale.Edu

From 2111989605570190089
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b12b2f746af881ab,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,b12b2f746af881ab,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-11 23:40:04 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
noose.ecn.purdue.edu!mentor.cc.purdue.edu!mace.cc.purdue.edu!dil
From: dil@mace.cc.purdue.edu (Perry G Ramsey)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: new satellite communications system for cellphones?
Summary: See sci.space
Keywords: satellite communications system cell Motorola
Message-ID: <5745@mace.cc.purdue.edu>
Date: 11 Oct 90 14:30:39 GMT
References: <18@kb2ear.UUCP>
Followup-To: rec.radio.shortwave
Organization: Department of Earth and Atmospheric Sciences
Lines: 15
Xref: gmdzi rec.radio.shortwave:2393 rec.ham-radio:15653
Posted: Thu Oct 11 15:30:39 1990

In article <18@kb2ear.UUCP>, n2aam@kb2ear.UUCP (Dave Marthouse N2AAM) writes:
> I heard that there is a system on the drawing board that will use a type
> of satellite distribution system for cellphone calls. This system, I think,
> Is this any relation to the system that Motorola proposed?

There has been a lot of talk on sci.space about this lately.
They are more interested in (profitably) launching the 77 small
satellites needed to do the job, but you might find
it interesting to tune in.

--
Perry G. Ramsey   Department of Earth and Atmospheric Sciences
perryr@vm.cc.purdue.edu   Purdue University, W. Lafayette, IN USA
dil@mace.cc.purdue.edu   We've looked at clouds from ten sides now,

And we REALLY don't know clouds, at all.

From 3814893482418955503
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1f794f611069b46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-11 23:47:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Ouch! ARRL takes a deeper bite....
Summary: typical rec.ham-radio nonsense
Message-ID: <370@ssc.UUCP>
Date: 12 Oct 90 06:47:39 GMT
References: <76.27131CFA@rochgte.FIDONET.ORG>
Organization: very little
Lines: 31
Posted: Fri Oct 12 07:47:39 1990

In article <76.27131CFA@rochgte.FIDONET.ORG>, David.Stark@f218.n260.z1.FIDONET.ORG (David Stark) writes:
>
> > From: tad@ssc.UUCP (Tad Cook)
>
> > > or otherwise committing large sums of cash should indeed be proposed to
> > the
> > > membership first.
> >
> > So what was the reaction of your director when you proposed this? Or did
> > you ever propose it?
>
>   Why should the membership need to "propose" accountability to
> the Board?
>

Oh, isn't this SO typical of the more obnoxious hamcritter on rec.ham-radio. First he DEMANDS that the ARRL board check with HIM before hiring anyone at HQ. Then when someone asks if he had actually proposed this to the league, or if he just got MAD first, he now claims that communication with his director is somehow beneath him....obviously if they aren't reading his mind they must be COMPLETE IDIOTS!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -2986162221288624661
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,65e5a26f006c36d0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-12 05:22:26 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: turn down the flamethrower, Tad
Message-ID: <342@ultrix.uhasun.hartford.edu>
Date: 11 Oct 90 13:33:01 GMT
References: <69.27121FBB@rochgte.FIDONET.ORG> <12618@crdgw1.crd.ge.com>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 63
Posted: Thu Oct 11 14:33:01 1990

In article <12618@crdgw1.crd.ge.com>, perley@galaxy (Donald P Perley) writes:
> In article <1990Oct9.200202.20467@swbatl.sbc.com>, ken@swbatl (Ken Gianino 5-9081) writes:
> >>W1AW was just extensively (and expensively) renovated and operates
> >>using top-line commercial-grade radio and computer equipment.
> >
> > The ARRL bought Harris RF-3200 HF radios for W1AW. The 3200 is a new
> > design at the <bottom> of the Harris line. They sell for about $3500,
> > which is near the top of the "ham" HF price range. Some of their logic was
> > that Harris is not likely to drop the radio after 2 years and create a
> > spare parts "vacuum".
>
> How is the Harris line defined? If "top of the line" means a megawatt
> of output power, then it certainly wouldn't be appropriate for W1AW.

It's not based on power but on features. There are more expensive Harris units in the same power class.

> Just out of curiosity, how old was the gear they replaced? Was it
> rendered unsuitable because of parts unavailability?

That's not an easy question to answer because not all of the equipment was acquired at the same time. Most of the equipment, however, was "homebrew" stuff built in the 60's or early 70's. Some of the homebrew kilowatt amplifiers had been replaced with ETO amplifiers (which were sold off after replacement). The reliability and signal quality of the existing system had degraded to the point where it had to be replaced whether or not the building was renovated.

I'd be interested to hear from anyone running 7 stock amateur kilowatt transmitters 12 hours per day year round. I'd particularly be interested in their experience regarding reliability. That is the basis on which the Harris equipment was chosen over the available amateur equipment, along with a commitment to continued parts availability by Harris and the availability of on-site service should we run into severe problems. I suggest that those who argue that "if Kenwood/Ten-Tec/Yaesu/Icom is good enough for me, it ought to be good enough for W1AW" simply haven't considered all of the needs of running W1AW. (It's also worth noting that all two-way operation from W1AW _does_ use stock amateur gear.)

Frankly, my first proposal was to build a state-of-the-art "homebrew" system for W1AW. Management rejected that proposal because they felt it would take too much of the lab's time. In retrospect, they were probably right: I'm not sure we could have finished the Microsat power control boards in time had we been completely engaged in W1AW renovation efforts. (We _did_ spend a lot of time on W1AW, since we designed and built the signal distribution/interface and control circuitry to tie the system together, along with writing the software to run the thing.) Once we decided to go with off-the-shelf equipment, a request for proposal (RFP) was issued to a number of equipment manufacturers, including all of the amateur manufacturers. The decision to go the Harris route was made on the basis of the responses to the RFP and it was not made lightly. (I should point out that Harris cut us a nice deal, as well.)

Finally, I'd like to point out that the W1AW renovation was paid for with funds freely donated. It's not as though the money came out of your membership dues. The people who donated money did so because they want a first class W1AW. That's exactly what they got.

```
--
Jon Bloom, KE3Z                             | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu        |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

From 5037033472857854613
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f2bec5dbeb275ff
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-12 08:47:05 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!prager
From: prager@Data-IO.COM (David Prager)
Newsgroups: rec.ham-radio
Subject: Re: Novice test code requirement... Aga
Message-ID: <1560@pilchuck.Data-IO.COM>
Date: 12 Oct 90 15:47:05 GMT
References: <121355@<90269> <30500754@ux1.cso.uiuc.edu> <21989@mvis1.com> <333@ssc.UUCP>
Reply-To: prager@Data-IO.COM (David Prager)
Organization: Cowboy Rhodesian Ridgebacks
Lines: 19
Posted: Fri Oct 12 16:47:05 1990

In article <333@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>
>Did he tell you how they attained those speeds? As I recall, some

>of the military branches would put new recruits in a big classroom
>where they sat at a mill (caps only typewriter) for 8 hours a day,
>copying code for something like TWO MONTHS. After that, the
>students would DREAM in Morse.
>
You're right, it sounds awful. But, if you judge a teaching program
by results only, this method might be construed as good.

David

David Prager (w)206-881-6444 (h)206-485-4397
Data I/O Corp
10525 Willows Rd. NE prager@DATA-IO.COM
Redmond, WA. ...uw-beaver!entropy!dataio!prager
98073-9746 or whatever works.

From 5128463754238569281
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db96dcdd679c4e46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-12 09:58:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!hplabs!hpfcso!hpfcdc!jle
From: jle@hpfcdc.HP.COM (Jer/ Eberhard)
Newsgroups: rec.ham-radio
Subject: Re: Re: Info-Hams Digest V90 #296
Message-ID: <7880317@hpfcdc.HP.COM>
Date: 12 Oct 90 16:58:32 GMT
References: <9010101401.AA12556@ucsd.edu>
Organization: HP Fort Collins, Co.
Lines: 28
Posted: Fri Oct 12 17:58:32 1990

> It's amazing how little we seem to know about the services that operate
> around ours. When I saw the 6.46 Mhz split, the first thing that popped
> into my mind was CAP. I don't know of any other services that

I know quite a great deal about services other than amateur radio. I admit to not thinking of CAP, but the person who made the original inquiry did not, in his first or any subsequent message, state that he had any legitimate use for the mod. If he is a CAP member, why not say so?

Because this is not the CAP split... it is (among other things) the Radio Common Carier (RCC) split, to wit:

RECEIVE	OFFSET	TRANSMIT	DESCRIPTION
152.030	+6.460	158.490	RCC1
152.060	+6.460	158.520	RCC3

152.090	+6.460	158.550	RCC5
152.120	+6.460	158.580	RCC7
152.150	+6.460	158.610	RCC9
152.180	+6.460	158.640	RCC11
152.210	+6.460	158.670	RCC13

Jer/ Eberhard, (SLASH), HAM = N0FZD | Hewlett-Packard - MS99, 1UP10,15'East
Pilot: ASEL, COMM, INST, and CFI-GLIDER | 3404 East Harmony Road (303) 229-2861
CAP Check&Mission Pilot, Pikes Peak 218 | Fort Collins, Colorado 80525-9599
ARPA: jle@hpfcla.fc.hp.com | Jer_Eberhard@hpfcla.fc.hp.com

From 1007089354766518912
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e9f9ac68b8727e82
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-12 13:42:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!bu.edu!inmet!benk
From: benk@inmet.inmet.com
Newsgroups: rec.ham-radio
Subject: Re: -- GEOMAGNETIC STORM ALERT --
Message-ID: <13700021@inmet>
Date: 12 Oct 90 20:42:00 GMT
References: <24001599@<901010000354>
Lines: 13
Nf-ID: #R:<901010000354:24001599:inmet:13700021:000:316
Nf-From: inmet.inmet.com!benk   Oct 12 16:42:00 1990
Posted: Fri Oct 12 21:42:00 1990

I have cross-posted this in rec.radio.shortwave.

I'm sure that many DXers and SWLs would appreciate it if follow-ups and future postings of a similar nature were also cross-posted there.

Thanks.

-- Ben Krepp

From internet: benk@inmet.inmet.com
From uunet: uunet!inmet!benk

From 3249500104760410239
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,859956c3376cba5d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-12 16:29:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!aplcen!haven!udel!masters
From: masters@freezer.it.udel.edu (paul masters)
Newsgroups: rec.ham-radio

```
Subject: Re: Need Ugandan contact
Keywords: me too!
Message-ID: <33205@nigel.ee.udel.edu>
Date: 11 Oct 90 23:52:16 GMT
References: <38141@ut-emx.uucp>
Sender: usenet@ee.udel.edu
Organization: University of Delaware -- ACIT Sun Lab
Lines: 23
Posted: Fri Oct 12 00:52:16 1990
Nntp-Posting-Host: toffee.it.udel.edu

In article <38141@ut-emx.uucp> oo7@ut-emx.uucp (Webster Smogpule III) writes:
>anderson@skvax1.csc.ti.com (John H. Anderson N5OPY) writes:
>
>>>I have been asked for help in contacting a Peace Corp[s] volunteer
>>>in Uganda via Amateur Radio.  A friend is fearful of his safety.
>>>Is there any one here who knows of an amateur in or near there?
>>>If you know of an HF voice station, a sched. and freq. would be helpful.
I am also interested in contacts with Africa, mainly the area of Togo,
and Benine. My sister is in the Peace Corps in Togo, and it would be
nice to keep track of conditions over there since the news services
basicaly ignore this region of the world.  It might be nice to talk
with here over the radio if these nations have compatible 3d party
trafic agreements with the US.

                  Paul
                               Major Tom@CB chanel 23


--
I will not waste chalk..I will not skateboard down the halls..I will not
burp in class..I will not instigate revolution..I will not draw naked ladies
in class..I did not see Elvis..I will not call my teacher "Hot Cakes"..
Garlic gum is not funny..They are Laughing at me, not with me.....


From -2531279596060453426
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc60d0a31f629acc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-12 17:03:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!wuarchive!usc!apple!vsi1!zorch!
tandem!Tandem.COM!kevinr
From: kevinr@Tandem.COM (Kevin J. Rowett)
Newsgroups: rec.ham-radio
Subject: Re: DAB taking ham freqs?
Message-ID: <1990Oct13.000344.22961@tandem.com>
Date: 13 Oct 90 00:03:44 GMT
References: <9010112228.AA02460@cmr.ncsl.nist.gov>
Sender: news@tandem.com
Reply-To: kevinr@Tandem.COM
Organization: Tandem Computers, Comm Development
Lines: 25
```

Posted: Sat Oct 13 01:03:44 1990

In article <9010112228.AA02460@cmr.ncsl.nist.gov>, rc@CMR.NCSL.NIST.GOV (Robert Carpenter) writes:
|>
|> This brings me to the deeper question. WHY DO WE NEED ALL THAT MICROWAVE
|> BANDWIDTH??

Because it's going to support all the AR communications when they take
away all the HF and UHF repeater bands!

Seriously Bob, your statements seem very politically motivated than based
in reasons...the impression I get about your basis for spectrum
management is NIMBY...Not In my back yard! You'd like AR to support
your interests in weak signal work. At the same time, your willing
to sacrifice our usage of spectrum to keep yours.

Just waht does the weak signal work contribute to the hobby that makes
it deserve more than other sections of the hobby?

N6RCE
|> > My ham interests have mostly been in weak-signal, narrow-band operation.
|> Clearly "my" type of operation doesn't need wide microwave bands,
|>   -------------------------
|> COMMENTS ??   73, Bob W3OTC
|>   **** This is none of my employer's business. ****

DId I mis read Bob?

From 3046048939254971542
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56695760eb180348
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-12 18:08:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!udel!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was
Message-ID: <94.2715C02A@rochgte.FIDONET.ORG>
Date: 12 Oct 90 05:13:03 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 25
Posted: Fri Oct 12 06:13:03 1990

 > From: tucker@lagrange.eedsp.gatech.edu (Jeff Tucker)
 >
 > The police
 > or EMS people see my radio and tell me to go stand on the other side of

> this big piece of concrete they're lifting and tell me if I see any
> casualties.

This is indeed different from jumping on any radio of your own accord and calling somebody. In this situation you have been directed to participate in the incident as a communicator.

You don't mention what frequency the person giving this order specifies. On ham frequencies, you would be restricted to those granted by your class of license. (See rules regarding RACES operation.) If you were directed to communicate via non-ham frequencies, nothing in Part 97 applies to the situation because you are being used as a citizen with a radio and not a ham operator.

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From -2988826730503325423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1f794f611069b46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-12 18:09:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!udel!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: Ouch! ARRL takes a deeper bite....
Message-ID: <95.2715C02C@rochgte.FIDONET.ORG>
Date: 12 Oct 90 05:15:33 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 18
Posted: Fri Oct 12 06:15:33 1990

> From: ewing-martin@cs.yale.edu (Martin Ewing)
>
> membership, so why not have special funds for special purposes?

Don't get me wrong. I agree with the concept. I was objecting to the juxtaposition of the two announcements. My natural response would be, "why don't you use the money you were going to spend on these people's salaries, especially since the Board also authorizes these new positions to hire their own support staff."

--

%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From -82329908001274931
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56695760eb180348
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-12 18:09:15 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!udel!
rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!
f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was
Message-ID: <93.2715C029@rochgte.FIDONET.ORG>
Date: 12 Oct 90 05:00:57 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 16
Posted: Fri Oct 12 06:00:57 1990

> From: larry@kitty.UUCP (Larry Lippman)
>
> I interpret the above rule in a different manner.

Your reasoning was quite interesting. I tend to agree with your conclusions. I just hope some nitwit with nothing better to do doesn't decide to pester the FCC (or anybody else) for a ruling.

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From -1003454533635365775
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16567d68b15ece31,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-12 18:44:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!masscomp!know!
sdd.hp.com!uakari.primate.wisc.edu!uflorida!beach.cis.ufl.edu!jeb
From: jeb@beach.cis.ufl.edu (Jeannine Boyce)
Newsgroups: rec.ham-radio
Subject: ICOM 720A schematics needed!

Message-ID: <24860@uflorida.cis.ufl.EDU>
Date: 12 Oct 90 14:07:52 GMT
Sender: news@uflorida.cis.ufl.EDU
Reply-To: jeb@beach.cis.ufl.edu ()
Organization: UF CIS Department
Lines: 6
Posted: Fri Oct 12 15:07:52 1990

Help!! I'm looking for schematics and/or a repair manual for an ICOM 720A HF rig. I'll gladly pay for copying and postage..
Please respond to:
BITNET: Matthias @ ufpine   INTERNET: Matthias @ pine.circa.ufl.edu
Tnx!   73, Aaron KC4NGA

From 2444816430237168776
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e1bf652b0d5c35ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-12 19:09:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!rutgers!usc!wuarchive!zaphod.mps.ohio-state.edu!ub!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: contacting emergency services (was: modifying HT's)
Message-ID: <99.271711A0@rochgte.FIDONET.ORG>
Date: 13 Oct 90 02:09:54 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 21
Posted: Sat Oct 13 03:09:54 1990

> From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
>
> That nearby payphone may not be your best bet. This was in the
> Telecom-Digest today:

They aren't kidding about the prank calls. In the dispatch center where I worked (Rochester, NY) calling from a pay phone was one of the criteria for reducing a fire assignment due to the high probability of being a false call.

It isn't just the dispatchers that react that way. Listen to a police officer's tone of voice when the dispatcher informs them that the call they are on originated from a pay phone.

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark

INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From -7625173590685853197
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,269ac92eb7ef3507,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-12 19:13:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!LEAV-EMH.ARMY.MIL!RTDIMO%GOR1
From: RTDIMO%GOR1@LEAV-EMH.ARMY.MIL (Larry Carr)
Newsgroups: rec.ham-radio
Subject: Alinco DR-110T
Message-ID: <9010121510.AA24876@ucsd.edu>
Date: 12 Oct 90 15:09:51 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 2
Posted: Fri Oct 12 16:09:51 1990

Could someone post to the net the mod that allows expanded frequency
coverage for the Alinco DR-110T? Thanks.

From 3212201627511673102
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc60d0a31f629acc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-12 19:15:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!wuarchive!zaphod.mps.ohio-state.edu!ub!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: DAB taking ham freqs?
Message-ID: <100.271711A1@rochgte.FIDONET.ORG>
Date: 13 Oct 90 02:15:00 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 28
Posted: Sat Oct 13 03:15:00 1990

> From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
>
> possible choices of frequency bands for DAB:
>
> Please, somebody, tell where I have gone wrong.

You're thinking again! Stop that.   ;-)

> code license, I

> conclude that the only ham application likely to NEED all our microwave
> bandwidth is the transmission of TV images.

It does seem to be the logical candidate among the KNOWN modes. Or how about spread spectrum? Are there any calculations available on how many hams using spread spectrum technology could occupy xxx MHz?

It seems strange that FCC may be considering reallocation of spectrum for another wideband mode when their emphasis lately has been on increasing spectrum efficiency through better narrowband technology.

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From 3121294473931321188
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-12 19:23:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!ub!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <101.271711A3@rochgte.FIDONET.ORG>
Date: 13 Oct 90 02:23:16 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 29
Posted: Sat Oct 13 03:23:16 1990

> From: ajs@hpfcdc.HP.COM (Alan Silverstein)
>
> I thought the burden would be on me to prove it was a legitimate
> emergency, not to prove the equipment was type-rated, which is
> irrelevant in a bona-fide emergency. Yes?

Yes! This is the reasonable viewpoint. Owning and modifying radio equipment for out-of-band operation is not IN ITSELF illegal. Contrary to the apparent tone of some of my earlier messages in this thread, I am not against the mods, but rather the frivolous USE of the modified radio.

If people would just keep in mind that they could be held accountable for their actions (whatta concept), maybe there wouldn't be so much anguish and irritation over illegal use of radio gear. The use does occur, so obviously the users are not using their heads.

> Alan, N0MFW (owns a potentially illegal HT)

Lots of things are potentially illegal. Whether your HT actually becomes illegal is up to how you choose to operate it.

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From 4606943576579845371
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc60d0a31f629acc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-12 19:41:45 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!wuarchive!zaphod.mps.ohio-state.edu!ub!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: DAB taking ham freqs?
Message-ID: <102.271711A4@rochgte.FIDONET.ORG>
Date: 13 Oct 90 02:41:45 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 17
Posted: Sat Oct 13 03:41:45 1990

> From: goldstein@delni.enet.dec.com (Fred R. Goldstein)
>
> Also, a 10 MHz band is too small for repeaters. If we had two 10 MHz
> segments about 80 MHz apart, it would be a lot easier to separate the
> input from the output, in the 13 cm. range.

Maybe we can convince the FCC to redefine "crossbanding" or at least reduce the restrictions on its use.

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From -1113710275234997592
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,854740a7920bbb41,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-12 21:19:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: A Non CW Antenna?
Message-ID: <264@bongo.UUCP>
Date: 13 Oct 90 04:19:53 GMT
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 22
Posted: Sat Oct 13 05:19:53 1990

Earlier in the week I was lurking in a parking lot in a seedier part of North Hollywood. I noticed a car with what appeared to be a base loaded HF antenna. So I crept up for a look. Yup, nicely built base loaded job - far too snazzy to attach to my chariot. I took a closer look, it had a label with a brand name. The antenna was called "The Modulator"

Now isn't that amazing seems that all that work people have done with microphones, audio filters etc has been wasted. The key to decent modulation is in the antenna. It said so right there on the label. But this does leave an important question:

Could this antenna be used for CW? We all know that CW stands for Continuous Wave, which is unmodulated carrier. How about that, a no-code antenna. Think I'll get one of them things even if it will outclass my car.

We now return you to "If I'm dead can I call the cops on my radio?"
--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From -8447736062515837915
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a5675b931c9ded6a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 03:03:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!samsung!uunet!decwrl!shelby!agate!eos!ames!pioneer.arc.nasa.gov!paluzzi
From: paluzzi@pioneer.arc.nasa.gov (Peter Paluzzi ZeroOne)
Newsgroups: rec.ham-radio
Subject: Re: HT recommendation
Keywords: HT, recommendation, 2m
Message-ID: <1990Oct12.163813.13430@news.arc.nasa.gov>
Date: 12 Oct 90 16:38:13 GMT
References: <1581@gvgpsa.GVG.TEK.COM>

Sender: usenet@news.arc.nasa.gov (USENET Administration)
Reply-To: paluzzi@pioneer.arc.nasa.gov (Peter Paluzzi ZeroOne)
Organization: NASA Ames Research Center, Mtn Vw CA 94035
Lines: 27
Posted: Fri Oct 12 17:38:13 1990

John,

I have a TH-26AT and I am very much satisfied with it. It has performed mostly without a problem so far. Since you already have a TH-25AT, you could take advantage of the similarity between the two models for key accessories such as battery packs, speaker mikes and so forth. Because this was my first HT, I was a bit puzzled about intermod problems I experienced. There has been alot of discussion on this topic within the rec.ham-radio/info-hams net. The TH-26AT does have extended receive frequency range so there are broadband rf circuits. I think this intermod problem is symptomatic for these kinds of rigs regardless of manufacturer.

Good luck in your decision. I thoroughly enjoy my TH-26HT.

73s
Pete

Peter Paluzzi, Sr. Graphics Analyst, Sterling Software, ZeroOne Group
Advanced Computing Facility, NASA/Ames Research Center
Mail Stop 233-3, Moffett Field, CA 94035
(415) 604-4589 paluzzi@ames.arc.nasa.gov N6YEO (FTS) 464-4589

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Advanced Computing Facility, NASA/Ames Research Center
Mail Stop 233-3, Moffett Field, CA 94035
(415) 604-4589 paluzzi@ames.arc.nasa.gov N6YEO (FTS) 464-4589

From -6620393536336629531
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc60d0a31f629acc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 03:03:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!uakari.primate.wisc.edu!aplcen!haven!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: DAB taking ham freqs?
Message-ID: <791@idacrd.UUCP>
Date: 12 Oct 90 15:18:53 GMT
References: <9010112228.AA02460@cmr.ncsl.nist.gov>
Organization: idacrd, princeton, nj
Lines: 39
Posted: Fri Oct 12 16:18:53 1990

From article <9010112228.AA02460@cmr.ncsl.nist.gov>, by rc@CMR.NCSL.NIST.GOV

(Robert Carpenter):
>
> This brings me to the deeper question. WHY DO WE NEED ALL THAT MICROWAVE
> BANDWIDTH??
>

AMSAT (worldwide AMSAT, not just AMSAT-NA) is planning to put a new satellite in this region which will occupy a Mhz of space. The problem with their proposed move is that we have satellites in the proposed spectrum NOW that admittedly don't occupy all of that but do occupy some of the frequencies. There is PACSAT, DOVE, and AO-13. The very life of AMSAT's proposed future projects, those we have funded and are doing engineering on, lie in the 2400-2410 region. If they leave that alone, they can have 2410-2450. Of course, what they REALLY want, is the lower ten Mhz to get away from the increased C/N they will have to have to get over and above Microwave ovens. AMSAT intends to go down flaming on this proposal. It is yet another nail in the coffin of any real advancement in amateur radio. The ever presnt pressure on our spectrum will be the end of the hobby for all who wish to do packet, satellites, Wide Band TV. We have 70cm threatened by Wind Shear radar (DAMN nature for making the natural wavelength of the vortices correspond to 70cm), L band threatened by land mobile, S band threatened by land mobile and DAB. The only reason our higher frequencies are not yet heavily threatened is that the devices for using them are still to expensive. I am VERY despondent by our outlook because of our seeming complacency, apathy, lack of monetary resources to do battle with these spectrum pigs, and lack of political clout in Congress. No matter how much I disagreed with Goldwater's politics, he DID defend amateur radio against all comers. We are sorely in need of a replacement. Bob, I think this answer was more than you requested or is it?

Bob
N4HY

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From 8905200591848356883
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b6ecdc738ef888d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,4b6ecdc738ef888d
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-10-13 04:49:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!srcsip!msi.umn.edu!cs.umn.edu!uc!shamash!vtcqa
From: vtcqa@shamash.cdc.com (Jeff Comstock)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: packet games

Message-ID: <26987@shamash.cdc.com>
Date: 12 Oct 90 17:00:02 GMT
References: <463@fuhainf.UUCP>
Reply-To: vtcqa@shamash.UUCP (Jeff Comstock)
Followup-To: rec.ham-radio
Organization: VTC INC.
Lines: 7
Xref: gmdzi rec.ham-radio:15692 rec.ham-radio.packet:2912
Posted: Fri Oct 12 18:00:02 1990

I alway's thought that playing games real-time or else
batch style mode would be fun. Would anyone out there
be interested in playing Stellar Conquest ? I think
it would be fun, but a move might take a long time, like
maybe two weeks. How about chess, or checkers ?

Jeff

From -2851083170710125438
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc60d0a31f629acc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 04:51:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!delni.enet.dec.com!goldstein
From: goldstein@delni.enet.dec.com (Fred R. Goldstein)
Newsgroups: rec.ham-radio
Subject: Re: DAB taking ham freqs?
Message-ID: <15998@shlump.nac.dec.com>
Date: 12 Oct 90 17:29:43 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 89
Posted: Fri Oct 12 18:29:43 1990

In article <9010112228.AA02460@cmr.ncsl.nist.gov>, rc@CMR.NCSL.NIST.GOV (Robert
Carpenter) writes...
>This brings me to the deeper question. WHY DO WE NEED ALL THAT MICROWAVE
>BANDWIDTH??
>
>> My ham interests have mostly been in weak-signal, narrow-band operation.
>Clearly "my" type of operation doesn't need wide microwave bands,
>if narrower ones could be kept clear of slop-over from the neighbors.

>> Assuming a vast increase in interest in digital communication, how much
>bandwidth is needed for it? What about the W6GN, et al, megabit data
>limks? Won't they be time-shared among a number of users? I think that the
>real question lies in how many "digital" hams there will be in any major
>metropolitan area, and how much information any given user is likely to
>want to transfer in the average minute.

The key is not average per minute, over time. It's average during the time that you're willing to wait for a response. In batch mode, next-day results, you can average over a day. Interactive applications require averaging over milliseconds or seconds.

>If you assume that each ham using a file server by radio transfers one quarter-megabyte file each minute, each ham averages about 35 kbit/s. (I don't really believe this much AVERAGE traffic, do you?) These are very one-sided transmissions because it doesn't take many bits to request a file.
>
> | Number of hams in an "Area" | Resulting average data transfer |
> |---|---|
> | 2 | 70 kbit/s |
> | 20 | 700 kbit/s |
> | 200 | 7.0 Mbit/s |
> | 1000 | 35 Mbit/s |
>
>So 1,000 hams in a single geographical area, all simultaneously actively using file servers by radio, would occupy less bandwidth than the threatened part of the 2400 MHz band!! (And we have lots of other microwave bands.)
>Please, somebody, tell where I have gone wrong.
>Remember, this must be entirely non-business-related traffic.

Okay, you've gone WAY wrong.

First off, you have to translate the digital to analog (bandwidth) domain. The ratio is a cost tradeoff. Fairly cheap (FSK, 2PSK) radios will give you about 1 Hz/bps or worse; the absolute worst possible results, of course, are obtained by acting like 2 meter TNC users. But higher efficiency costs a bit more; 6 bps/Hz is possible, but you have to be the phone company to afford it.

Second, what is the latency we're tolerating? We do a lot more than transfer files with our computers, and would like packet radio to be like that. NNTP (news protocol that we're using now) polls each article from the server to the reader when you ask for the "next" one. How long do you want to wait? At 1 Mbps, it's pretty good. At 1200 bps, it's hopeless.

Should I even begin to mention remote graphics like the X Window System, which require interactive speeds in the 64 kbps range to be useful? It's not the average over the day, but the latency per message, that counts.

Also, a 10 MHz band is too small for repeaters. If we had two 10 MHz segments about 80 MHz apart, it would be a lot easier to separate the input from the output, in the 13 cm. range.

> The transmission of "human" images, like television (TV), has traditionally been an analog process. And it uses 6 MHz or so per picture, CONTINUOUSLY. A real "win" for band occupation. But compressed TV is already available. Quite good TV can be sent compressed to about 1 megabit per second, and it

>only gets a bit "jerky" at 300 kbit/s.

That's not exactly true either. If you're talking about "teleconference" video, the "talking heads" application, then you're right; for maybe $20-30k, you can compress down to 256 kbps and be only a little jerky. (That's hardly an ATV price range.) But "full motion" video, equivalent to a 6 Mbps analog channel, takes about 45 Mbps with minimal compression and probably several Mbps if compressed optimally. That's when you have real moving pictures, like the broadcasters use, and not just faces against a backdrop. Try watching a western through a compressor...

Clearly the 2300 MHz band is a ripe target for plucking. Few hams use it. But that doesn't mean we should be happy with microwave sliver bands.

---

Fred R. Goldstein k1io   Digital Equipment Corp., Littleton MA
goldstein@delni.enet.dec.com   voice: +1 508 486 7388
 Do you think anyone else on the planet would share my opinions, let
 alone a multi-billion dollar corporation?

From 3115740294792781226
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7ba1b104af081a8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-13 08:58:37 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!uunet!timbuk!cs.umn.edu!uc!nachos.SSESCO.com!elmquist
From: elmquist@nachos.SSESCO.com (Chris Elmquist)
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and intermodulation.
Message-ID: <238@nachos.SSESCO.com>
Date: 12 Oct 90 17:51:58 GMT
References: <1990Oct11.215802.503@mentor.com>
Organization: none
Lines: 15
Posted: Fri Oct 12 18:51:58 1990

In article <1990Oct11.215802.503@mentor.com> mbutts@mentor.com (Mike Butts) writes:
>Pete Lucas G6WBJ pointed out that a Toko helical filter (from DigiKey in the
>US) will do wonders to put the VHF overloading sources into the weeds, but that
>putting the 0.7 by 0.5 by 1.2 inch filter in a project box with connectors is
>more than a little clumsy.. Has anyone thought about making a big rubber duck
>or a mag mount whip with a filter integrated into the base??? Helluva neat
>product if it works. (Please send royalty checks to my callbook address hihi.)
>

Wouldn't you need some TR switching in this scheme so that you're not dumping the rigs power out into the helical filter??

--

Chris Elmquist, N0JCF
elmquist@ssesco.com

From -4620797533991190207
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d63d271ef07e07fc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 05:00:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!randvax!vortex!lauren
From: lauren@vortex.COM (Lauren Weinstein)
Newsgroups: rec.ham-radio
Subject: IC24 offset
Message-ID: <56.UUL1.3#1@vortex.COM>
Date: 8 Oct 90 03:38:53 GMT
Organization: Vortex Technology
Lines: 12
Posted: Mon Oct 8 04:38:53 1990

Perhaps I should have been more explicit. You can set whatever offset you like, down to 5 Khz, for VFO setting. But my question was really involving the reaching of repeaters running at odd T/R offsets (e.g. other than 600 Khz in 2m). As far as I've been able to determine, the IC24 won't let you set the T/R offset for repeater operation in other than 25 Khz steps. For example, in the Los Angeles area, there are at least 2 repeaters with offsets that aren't an even multiple of 25 Khz.

Does anyone know of a trick to get a non-25 Khz multiple offset into the IC24 repeater offset setting? Thanks.

--Lauren--

From -6653123058836415737
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,931267f39c6f16e6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,931267f39c6f16e6,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 114aac,931267f39c6f16e6,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,931267f39c6f16e6,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-10-08 05:05:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!samsung!sol.ctr.columbia.edu!cica!iuvax!news!cartan!ndmath!nstar!w8grt!f7.n833.z9.fidonet.org!Bill.Kreps
From: Bill.Kreps@f7.n833.z9.fidonet.org (Bill Kreps)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-radio
Subject: Microwave and RF Forum - NEW
Message-ID: <264.2718CDDB@w8grt.fidonet.org>

Date: 8 Oct 90 12:05:00 GMT
Sender: ufgate@w8grt.fidonet.org (newsout1.26)
Organization: FidoNet node 9:833/7
Lines: 25
Xref: gmdzi rec.radio.shortwave:2422 rec.ham-radio.swap:686 rec.ham-radio.packet:2916 rec.ham-radio:15737
Posted: Mon Oct 8 13:05:00 1990

I thought it might be of general interest to many of you if I made the announcement of a new Conference - The Microwave and RF Forum. Accessable directly from RES-Q (tm) (201) 881-7421.

(Also available as Group Mail from 9:100/9 & 9:833/7 as MW_RF)

MW_RF is made available by Compact Software, Inc. soley for the purpose of furthering knowledge within the Microwave and RF community, [and my assurance of no commercialism].

CSI designs CAD/CAE software for all phases of design and development, so there are many engineers here who would enjoy the opportunity to participate in roundtables and such...

If you are interested in bringing a forum such as this to it's feet, ask your local SysOp to obtain the Microwave and RF Forum.

Bill Kreps, SysOp of RES-Q (tm)
--- GroupMail 2.17
 * Origin: RES-Q (9:833/7@PhnxNet) -- Home of the Microwave and RF Forum

--
Bill Kreps - via FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!9!833!7!Bill.Kreps
INTERNET: Bill.Kreps@f7.n833.z9.fidonet.org

From 4016454911578332136
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9a74c4d071faeb2d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 06:55:30 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!decwrl!ucbvax!SATURN.ACC.COM!jhk
From: jhk@SATURN.ACC.COM (John H. Klingelhoeffer)
Newsgroups: rec.ham-radio
Subject: Request for Info -- AVM on 33 cm band
Message-ID: <9010081355.AA12139@saturn.acc.com>
Date: 8 Oct 90 13:55:30 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 43
Posted: Mon Oct 8 14:55:30 1990

Subject: 902-928 Megahertz Band Automatic Vehicle Monitoring Systems (AVM)

This weekend there was a spirited discussion of new band plans for the 33 cm amateur allocation, including a review of the recently adopted Southern California Repeater and Remote Base Association plan. A motion to adopt this plan for our area was tabled for, among other things, a lack of information on what frequencies would be used for the Automatic Vehicle Monitoring systems that have recently been approved by the FCC for this band. Additionally, the amateur allocation has a secondary status to the AVM, so we must stay away from whatever frequencies are chosen for it.

In the SCRRBA plan, 903-912 and 918-927 megahertz were set aside for AVM usage in southern California, resulting from a meeting between members of that group and ITS/PACTEL in January 1990. The question that arose at our coordinating committee meeting yesterday was if the ITS/PACBEL usage of these frequencies is nationwide, or does it apply only to southern California ? Secondly, what is the timetable for these systems to be deployed in the Baltimore-Washington-Philadelphia corridor ? Lastly, who is (are) the commercial licensee(s) for the system in this area ? Also, we'd like to get some technical info on how the system works so that a prudent band plan could be developed.

Any information that you could provide on the preceding questions would be of great assistance. Please respond either directly or to the mailing list. I'll summarize in a few days if the volume warrants. Thanks very much. 73

John...
WB4LNM

```
+-----------------------------------------+-------------------------------+
|                                         |  "Sex on TV is fine.....      |
| John H. Klingelhoeffer                  | as long as you don't fall off" |
| Director, Government Special Operations |                               |
| Advanced Computer Communications        +-------------------------------+
| Systems Division                        | Voice: 301-290-8100           |
| 10220 Old Columbia Road                 | Fax:   301-290-8106           |
| Columbia, Maryland  USA   21046-1725    | Radio: 224.56/147.135 WB4LNM  |
|                                         | Internet: jhk@saturn.acc.com  |
+-----------------------------------------+-------------------------------+
```

From 1254157615875335602
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f3b8e5e7c17aff45,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 07:08:27 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!decwrl!ucbvax!CMS.CC.WAYNE.EDU!MEDELMA
From: MEDELMA@CMS.CC.WAYNE.EDU (Michael Edelman)
Newsgroups: rec.ham-radio
Subject: LoJack
Message-ID: <9010081414.AA12096@ucsd.edu>

Date: 8 Oct 90 14:08:27 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Mon Oct 8 15:08:27 1990

I had a chat with the head of the local plainclothes squad about LoJack the other day; a few interesting facts:

Most thieves will take the car, park it out of the way, punch the trunk and grab what they can. The car will be abandoned well within an hour of theft.

Those looking for parts will often park the car in an out-of-the-way spot and come back for it later- like at night- before stripping it. LoJack might get it first, in this case.

Basically, my friend said, LoJack is for the insurance companies, who'd rather pay for a few locks on a car (minus your deductable, of course) than for an entire car.

He also mentioned that my car, with 4 antennas, two radioand call sign plates was more or less calling out "steal me! steal me!", but that's another matter, I suppose....

--mike edelman ke8yy medelma@cms.cc.wayne.edu
medelma@waynest1.bitnet

From 3700040514494272185
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,441190ff4c9e00fc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 07:29:57 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!ucbvax!PUCC.PRINCETON.EDU!MEHARP01%ULKYVM
From: MEHARP01%ULKYVM@PUCC.PRINCETON.EDU (Michael Harpe)
Newsgroups: rec.ham-radio
Subject: This whole Code Test Thing
Message-ID: <9010081445.AA13551@ucsd.edu>
Date: 8 Oct 90 14:29:57 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: University of Louisville
Lines: 40
Posted: Mon Oct 8 15:29:57 1990

This latest thing about the code test absolutely amazes me. Now, not only do have to copy the code, but you have to do it THEIR WAY! This is ridiculous in the extreme. If I were ever refused a license for that, the poor guy who did it would wish he had never heard of me by the time I got through with him. I'd report him to every agency I could think of. This is way outside the parameters defined by the FCC. All they say do is COPY it, they don't say how. All Part 97 specifies is that you have to do it by ear. Not words, not letters, just hear it and interpret it. The method is up to you.

As for the poor misunderstood volunteer, I have no sympathy. He does NOT have the right to do that. All he is doing is practicing the same exclusionary elitism that is ruining this hobby. He (or she, whatever, you know what I mean) deserves any good public squashing that you can do. Report him to the VEC, the FCC (probably more productive, VEC's tend to have different attitudes, don't get me started on that), and the ARRL. Make sure you can prove that you did copy the test correctly. If the VEC doesn't override his decision, go to the FCC. Produce the same evidence. You should at least be entitled to a test before an FCC examiner. The FCC examiner will not care how you do it. I personally would not be satisfied until I had ensured that the VE in question never gave another exam in his life.

If this kind of crap is going happen, then bag the VE system and go back to the old way. I would even be willing to bet that if a lawsuit were ever filed based on this, the FCC would insist on that. I do feel very confident that the FCC would retest any applicant who was rejected because of this. They want to flush the code requirement anyway.

I'll entertain any and all flames. In fact, i'll enjoy it! Please do by all means.

```
---------------------------------------------------------------------
Michael Harpe, N4PLE                   | BITNET: MEHARP01@ULKYVM
106B Ormsby Building                   | VOICE:  502-588-7785
University of Louisville               | FAX:    502-588-5048
Louisville, KY  40292                  | AURAL:  "Mike!"
---------------------------------------------------------------------
"Sir, there is a large multi-legged creature crawling on your shoulder"
                                                  - Spock
```

From -2596001631570953474
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d6822b0bf5fca16e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 08:29:25 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: AMSAT Bulletins, 10/6/90
Keywords: ham satellites
Message-ID: <347@ssc.UUCP>
Date: 8 Oct 90 00:22:42 GMT
Organization: very little
Lines: 255
Posted: Mon Oct 8 01:22:42 1990

SB ALL @ AMSAT $ANS-279.01

K6LFH SILENT KEY

HR AMSAT NEWS SERVICE BULLETIN 279.01 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 6, 1990
TO ALL RADIO AMATEURS BT

The Amateur Radio Satellite Program lost one of its early pioneers and strongest supporters when Chuck Towns (K6LFH) passed away on September 28th at his home in Los Gatos, California. A memorial service was held on October 5th in Saratoga, California.

Chuck was one of the founding members of Project OSCAR and was very active with the first several amateur satellite projects in the 1960s. He continued to promote the amateur satellite program until his passing. Many amateurs in the San Francisco Bay Area became active on amateur satellites because of the support and help Chuck provided.

[ANS would like to thank WB6GFJ for the information in this bulletin.]
/EX
SB ALL @ AMSAT $ANS-279.02
NEW AMSAT-NA BOARD

HR AMSAT NEWS SERVICE BULLETIN 279.02 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 6, 1990
TO ALL RADIO AMATEURS BT

New AMSAT-NA Board of Directors Elected

AMSAT-NA Headquarters has announced the results of the recent Board of Directors election. The following candidates were elected and will serve for a two year period in accordance with the Bylaws:

1) Tom Clark (W3IWI)
2) Doug Loughmiller (KO5I)
3) John Champa (K8OCL)

Elected to serve as First and Second Alternates to the Board are candidates Junior De Castro (PY2BJO) and Joe Kasser (W3/G3ZCZ), respectively. Alternates will step in to fill any seats on the Board which occur as a result of a resignation before the next Board is seated in the fall of 1991. AMSAT-NA would like to thank all those members who took the time to cast their ballots. The new Directors will serve beginning with the annual AMSAT-NA Board Meeting which starts on Oct. 19, 1990 in Houston, TX and will be present throughout the AMSAT Space Symposium, available to discuss issues with the attendees.
/EX
SB ALL @ AMSAT $ANS-279.03
WD3Q PLANS 6Y5 DXPEDITION

HR AMSAT NEWS SERVICE BULLETIN 272.03 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 6, 1990
TO ALL RADIO AMATEURS BT

6Y5/WD3Q AO-13 DXpedition Planned For Oct. 9-13

Long-time AMSAT-NA volunteer and OSCAR enthusiast Eric Rosenberg (WD3Q) is currently planning to operate AO-13 from Kingston, Jamaica from Oct. 9-13, 1990. All are especially invited to join Eric on AO-13 on Oct. 10, 1990 at 00:00 UTC as he plans to demonstrate OSCAR communication techniques to local hams in the Kingston area. Eric will be staying at the QTH of Hugh Brand (6Y5HB) while in Jamaica and will use either Hugh's callsign, 6Y5HB, or his own call, 6Y5/WD3Q. Those who wish to QSL can send their card directly to:
WD3Q, 338 14th St., NE, Washington, D.C., 20002.
/EX
SB ALL @ AMSAT $ANS-279.04
FO-20 UPDATE/SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 279.04 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 6, 1990
TO ALL RADIO AMATEURS BT

Latest Japanese Bird Still Experiencing Temperature Problems

The FO-20 Command Team at JARL report that FO-20 is continuing to experience high temperature problems which is forcing a drastic reduction of operations on the bird. Unfortunately, because FO-20 is currently experiencing a period of eclipse-free orbits, the natural cooling off of the satellite during eclipse is not occurring. Therefore, the reduction of transponder operation availability is one way to reduce the internal temperature build up. As of the weekend of 29 Sept 90, the battery temperature had risen to near 45 degrees C. Extended exposure to high battery temperature will decrease the useful life of the battery.

Although it is subject to change at any moment, this list is the current schedule of operation for FO-20:

From		To		Mode
08 Oct 90	0920	08 Oct 90	1110	JA and JD
11 Oct 90	0825	12 Oct 90	0850	JD

The above dates and time are in UTC.

The FO-20 Command Team will be monitoring satellite performance and operations during these times and may turn off the transponder if they determine that the satellite is in danger.

[ANS thanks the FO-20 Command Team and WD0HHU for the information in this bulletin]
/EX
SB ALL @ AMSAT $ANS-279.05
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 279.05 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 6, 1990

TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times. Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date	Phs	mode	UTC	NCS	Alt.	U.S. day
9 Oct 90	172	J/L	0015	WD0E	WB9ANQ	Monday
- 15 October 90 reorientation to 180/0 -						
21 Oct 90	98	J/L	1800	WB6LLO	W5RRR*	Sunday
27 Oct 90	135	B	1300	WB9ANQ	KA5SMA	Saturday
03 Nov 90	98	J/L	1500	N5BF	WD0E	Saturday

* Most NCS operators will be at the AMSAT Symposium at JSC in Houston, TX on 21 October 90. As a result, this net may be cancelled.

Nets are scheduled for North American geographic coverage and time zones, although other parts of the world are often within the footprint and checkins from everywhere are welcome. Those who don't have adequate and convenient coverage from this net are encouraged to schedule their own nets via AO-13. Write to AMSAT Headquarters with your schedule and we will run it in ANS.

For information on the amateur satellite program and how you can participate, contact AMSAT-NA Headquarters at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062, or contact your local AMSAT Area Coordinator.
/EX
SB ALL @ AMSAT $ANS-279.06
AO13/AO10 TRANSPONDER SKED

HR AMSAT NEWS SERVICE BULLETIN 279.06 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 6, 1990
TO ALL RADIO AMATEURS BT

A new Transponder Schedule for AO-13 was put into effect on September 8 which is planned to continue through October 17.

Mode S operation has been eliminated for the time being since relatively poor solar panel illumination does not allow sufficient power for proper battery maintenance during Mode S and S/B periods. Satellite reorientation (a.k.a. magnetorquing) is scheduled to commence on October 15 and once it has been completed, it is expected that Mode S will be returned to service.

The present transponder schedule for AO-13 is as follows:

Mode-B : MA 003 to MA 165
Mode-JL : MA 165 to MA 195
Mode-B : MA 195 to MA 240

Off   : MA 240 to MA 003 (Mode B Beacon On)
Omni Antennas   : MA 240 to MA 060

The September 10 attitude estimate is:

BLON = 205 and BLAT = -7

AMSAT-OSCAR-10 appears NOT TO have been receiving sufficient solar panel illumination to support Mode-B transponder operations. Both beacon and transponder signals show signs of FMing. Until further notice please DO NOT use AO-10's transponder.

It is expected that AO-10 may once again receive sufficient solar illumination to support Mode-B transponder operation by sometime in November.
/EX
SB ALL @ AMSAT $ANS-279.07
AMSAT SYMPOSIUM, PART 1

HR AMSAT NEWS SERVICE BULLETIN 279.07 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 6, 1990
TO ALL RADIO AMATEURS BT

The Date for the AMSAT Symposium is Drawing Near

There is not much time left to make your plane and hotel reservations for this year's AMSAT Symposium which will be held during the weekend of October 19, 20, and 21 at the Johnson Space Center (JSC) Visitors Center.

Presentations will be held in the Visitor's Center Auditorium, and have been scheduled for all three days of the weekend. The talks have been scheduled in serial alignment so that you will not have to choose between two talks at any given time.

Friday's talks, which begin at 3:00 PM include: Satellite Image Processing for the Amateur, AMSAT-NA Education Activities and finishing with AMSAT Orbital Data Management. Saturday's activities begin at 8:00 AM. A scan of the program lists talks on such topics as:

The Decoding Telemetry from the Amateur Satellites
In-Orbit Performance of 4 Microsat Spacecraft
A discussion of AO-13's Orbit
A report on the Phase 3D Project
Phase 4 Technology as it Applies to Phase 3D
Macromets and Microsats
A Pacsat Demonstration
Microsat Motion, Stabilization, and Telemetry
Full Motion Digital Video Via Amateur Satellites
SAREX Hardware for STS-35 and 37
Astronaut Deployable Satellites
Webersat Operations and Experiment Results
AMSAT-NA Operations Organization
The Development of 2 DSP Modems

Regular tours of the Johnson Space Flight Center will be available throughout the weekend.
/EX
SB ALL @ AMSAT $ANS-279.08
AMSAT SYMPOSIUM, PART 2

HR AMSAT NEWS SERVICE BULLETIN 265.08 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 6, 1990
TO ALL RADIO AMATEURS BT

Saturday evening's activities will be held at the JSC Employee's Recreation Center with the ever-popular Attitude Adjustment Hour followed by a Texas Bar-B-Que Dinner. AMSAT is very fortunate to have as its Guest Speaker Mr. Aaron Cohen, Director, Johnson Space Center. Following Mr. Cohen's address the AMSAT-NA Annual Meeting will be held.

Sunday's activities begin at 9:00 AM and the topics to be presented will be: Getting Started in Amateur Satellites, Building a Versatile Homebrew Satellite Ground Station and Poor Boy Satellite Station. For those who can delay their departure time until late Sunday, there will be a chance to attend an open house (starting at 1:00 p.m.) at the world's largest amateur antenna, W5UN, the station that brought DO-17 (Dove) back to life.

When making airline reservations, please note that Hobby Airport is MUCH closer to JSC than Houston Intercontinental Airport. Contact AMSAT Headquarters at 301-589-6062 for further information on Symposium registration and accommodations.
/EX

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -3299738457377256869
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c42431bc94860997
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 08:33:52 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpfcso!hplisa!rar
From: rar@hplisa.HP.COM (-Ray Robertson)
Newsgroups: rec.ham-radio
Subject: Re: Novice test code requirement... Again.
Message-ID: <2190001@hplisa.HP.COM>

Date: 8 Oct 90 15:33:52 GMT
References: <90269.121355DOW@MAINE.BITNET>
Organization: Hewlett-Packard Co., Loveland, CO
Lines: 17
Posted: Mon Oct 8 16:33:52 1990

I went to More Intercept Operator School (058) for the Army more than 30 years ago. Code was only 4 hours a day. The school was about 4 months long. In less than 2 months I was at 15 WPM on the mill, 20 WPM with a pencil and 25 WPM with a ball point pen. The pen has lower friction so I could write faster. I had typing the other 4 hours and the best I could do as 13 WPM. I can do a little better now using two fingers. I have 0 music ability and very poor finger coordination, most anybody can learn code if they try. No one failed the school due to lack of code speed. I am sure that I could have gone much faster if I could transcribe it. I heard 50 WPM tapes and they didn't sound all that fast. I knew people who could transcribe 100 WPM code while reading a book and smoking a cigar. I heard of people who could transcribe 60 WPM Baudot code (RTTY)

From -2408058886377857400
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ec9d21e354c50b64,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 08:37:27 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!uwm.edu!lll-winken!sun-barr!newstop!texsun!digi.lonestar.org!emartine
From: emartine@digi.lonestar.org (Edgar Martinez Martinez)
Newsgroups: rec.ham-radio
Subject: R1 and R100
Message-ID: <1087@digi.lonestar.org>
Date: 8 Oct 90 15:37:27 GMT
Organization: DSC Communications, Plano Tx.
Lines: 16
Posted: Mon Oct 8 16:37:27 1990

Anyone out there have any information, descriptions, reviews or comments on the ICOM's R1 and R100.

Thanks!

Edgar Martinez Martinez
DSC Communications Corp.
Plano, Tx
emartine@digi.lonestar.org
Co-op program from UTArlington

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*                                                                              *
*                            This space for rent                               *
*                                                                              *
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From 1105977454210939518
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7303fb727bcfdf91
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 09:10:31 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!sdd.hp.com!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.HP.COM (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: Radio-Sport?
Message-ID: <7120133@hpcupt1.HP.COM>
Date: 8 Oct 90 16:10:31 GMT
References: <05.Oct.90.14:23:22.BST.#3728@UK.AC.NWL.IA>
Organization: Hewlett Packard, Cupertino
Lines: 14
Posted: Mon Oct  8 17:10:31 1990
```

In the WRTC last July, all contestents use a 100W transciever. They could cause splater and have bad audio, but I did not hear any. Both SSB and CW were used, I wish there was some RTTY also. The USSR has had radio sport competition for a number of years, and fox hunting I understand is quite popular in Europe. Lets not be a wet blanket and have a positive outlook on the radio sport competitions. I personally think it is a great idea and can be a lot of fun. And if we have the competitions and the average joe becomes interested in the "sport", who knows, we might even start to get some young people to become interested and want to join. Lets have a positive outlook and support the positive aspects. I am sure we can put resonable limits on the sport to prevent the use of large linears, rude habits, and other socialbily unacceptable behavoir.
Jim, WA6SDM
jholly.hpcupt1.hp.com

```
From -3906367268205163833
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67962d9d511f6de3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 09:13:37 PST
Path: gmdzi!unido!mcsun!sunic!ericom!tnetxa.ericsson.se!etxsral
From: etxsral@tnetxa.ericsson.se (Lars Nilsson, ERICSSON TELECOM, SWEDEN)
Newsgroups: rec.ham-radio
Subject: Want's to modify bc200xlt battery-alarm
Message-ID: <20101@tnetxa.ericsson.se>
Date: 8 Oct 90 10:54:21 GMT
Lines: 15
Posted: Mon Oct  8 11:54:21 1990
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Lars Nilsson
Ericsson Telecom AB , Sweden
Phone: + 46 (8) 719 7308
Fax:   + 46 (8) 645 60 76

INTERNET: etxsral@tnetxa.ericsson.se
FIDONET : Lars Nilsson at 2:201/108.7

Ericsson Corporate Network: VAX-MAIL: TNETXA::ETXSRAL
                                      MEMO: ERI.ETX.ETXSRAL
                                      IBM : ETXSRAL at LMEL
                                            ETXSRAL at LMES


From -756523281848928714
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7785347b9c7882a5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 09:14:10 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!bluemoon!bbs
From: bbs@bluemoon.UUCP (BBS login)
Newsgroups: rec.ham-radio
Subject: Re: Radio Astronomy
Message-ID: <ZVyoq1w163w@bluemoon.UUCP>
Date: 7 Oct 90 21:58:22 GMT
References: <185@organpipe.UUCP>
Organization: Blue Moon BBS (614) 868-9980 & 9982 & 9984
Lines: 18
Posted: Sun Oct  7 22:58:22 1990

ron@argus.lpl.arizona.edu (Ron Watkins) writes:

> Anyone out there have any background or interest in radio astronomy? I want t

You might contact Dr. Robert Dixon, W8ERD (@ W8CQK), Vice Director of
the Ohio State University Radio Observatory ("Big Ear"). He may have
some bibliographical information for you. He was previously associated
with the now-defunct "Cosmic Search" Magazine.

By the way, the Director of OSU-RO is Dr. John Kraus, W8JK.

73  Jeff K8ND
\s
?

Jeff Maass
Amateur Radio K8ND   (Packet Address K8ND @ W8CQK)
QTH: Near Columbus Ohio


From -4130672001273555669
```

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f2bec5dbeb275ff
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 09:16:28 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!
phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Novice test code requirement... Aga
Message-ID: <30500757@ux1.cso.uiuc.edu>
Date: 7 Oct 90 23:52:00 GMT
References: <121355@<90269>
Lines: 168
Nf-ID: #R:<90269:121355:ux1.cso.uiuc.edu:30500757:000:9276
Nf-From: ux1.cso.uiuc.edu!phil    Oct  7 18:52:00 1990
Posted: Mon Oct  8 00:52:00 1990
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> Are you outraged at ME because demonstrating the use of hand signals is
> still required on the drivers exam? Are you outraged at ME if you go to
> engineering school, and are required to take some liberal arts courses?

Of course not.

First of all, you might need to use such hand signals if your signal lights fail, and you might need to interpret these hand signals if you encounter someone on the road whose signal lights have failed.

Now I know someone is going to immediately be willing to say something about "what if your microphone fails" or "what if the other guy can only send CW". Let me put these potential arguments to an early rest.

UNLIKE the open highways where you do NOT have a choice in who you have to deal with, on the radio you can choose who you QSO with, and what modes you even want to use. You do NOT need to be prepared to communicate with EVERY ham there is.

In an emergency situation, there is usually going to be SOMEONE on some frequency that some transmitter can transmit on. It isn't necessary for EVERY ham to be able to communicate in every mode and every frequency for emergency purposes. CW might be used in an emergency, but there will be enough hams around who can copy it as witnessed by the large number who tell us how much they love CW and Morse Code.

Tad, when you speak of engineering school, are you talking about one of those 4 year extended trade tech schools, or a 4 year University?

The latter does require liberal arts courses, as that is their tradition. The former does not. However, the latter is not telling the former that they have to. If you are considering an education in engineering, and if you don't want to even take any liberal arts courses, then I am sure you can find some program that will let you do it your way.

Ham radio does not yet give you a choice. There are 5 license classes and not ONE can be earned without having to bow down to demands of the Morse Code traditionalists and learn something the candidate may or may not be interested in.

If you graduate from an engineering school without having taken any liberal arts courses, you may not be able to get a job. The reason is that the skills and understanding of human nature, life, and society, as taught in these courses, is essential for even engineering work in every engineering field. You need to understand the thinking of people who use what you design. You need to be able to communicate with the people you work with. If you can get that ability some other way than liberal arts courses, then that is fine. If I were hiring for engineers, and one came along who did not have any liberal arts courses, he would not be hired by me unless he could show that he had the necessary capabilities learned through other means (and "life learning" is ok, too).

The point is, although liberal arts skills are really needed in engineering careers, you are not forced by law to take such courses just to get an education, because you can choose to educate yourself any way you want.

There is no way to get use of the radio spectrum for hobby and experimental purposes without bowing down to someone else perception of what is needed that cannot be proven to (any more) actually be needed.

I am not outraged at you, Tad. I am just disappointed you could not come up with a better analogy to the situation with ham radio.

> Fairly recently, I was in favor of some kind of Morse-free ham exam. But
> now I am not so sure. I'm not so sure that the code test is too tough
> anymore, and I wonder if we really need to eliminate the only demonstration
> of operating skill on the exam.

I'm interested in what changed your mind. Do you think that the code test was easier than you once thought? Let me put this to rest. The code test is BLATANTLY EASY. I learned 5 WPM to get my Novice exam in just 6 hours of study. If I were to place a value on my ham license based on the study and effort I put into (which I do NOT ever do) then I would have to consider it to be WORTHLESS. But don't worry; I base the value of my ham ticket on the benefits it can bring me, not on how much effort I put into getting it. I look FORWARD to assess values, instead of backwards.

Another point I would like to bring is whether or not we really need to even have candidates demonstrate so much operating skill. Not all hams are going to be doing the kinds of things where personal operating skills, such as CW, or any of the other techniques that are people-based. Some could well be interested in experimenting with technical things only. Others might be more operating oriented than the techies, but be only interested in local VHF/UHF communcations, where their speaking skills will work better.

If we need operating skill tests, why not have ones that test what most hams really do most. If we cannot decide and agree on what that is, then let each of us choose and be limited to using what we choose to test on.

> I keep running into folks (in person, not on rec.ham-radio) who have some
> kind of interest in ham radio, but say they can't learn the code. After
> further questioning, my suspicion is that they have never really spent
> any time and effort on it. There are a lot of folks who have a 2 minute
> attention span. I have a feeling that if we eliminate one part of the
> exam, there will still be folks complaining about the other part.

There always will be people like that. A few of those people might not have correctly identified why they don't like Morse Code. A few more might not be properly motivated because they expect ham radio to be something that they have to actually USE Morse Code on. A few more still might not actually be able to learn Morse Code. And finally, there are some who are NOW, and even under FCC proposals to fix this proplem, STILL WILL be excluded from ham radio because they cannot copy code by ear at all (and some of them can do so by watching a blinking light).

> The tests have slowly become easier and easier in the years since I
> passed my Novice as a 12 year old in the mid-1960s. I believe that
> there will always be pressure to make the tests easier. When do we
> stop?

Part of the pressure to make things easier is because the code test is present. And the tests are also easy because the process of selecting the questions to test on is not as advanced as it should be. Further, even many of the WRITTEN exam questions are no more applicable to what most all hams need to know than the code test is.

Proposals have been suggested on this newsgroup and elsewhere on how to go about fixing the written exams.

1. Each question will apply to the BASICS of radio operation, radio theory, rules and regulations, and safety, that is applicable to the general use and cooperation of sharing a spectrum resource.

2. Technical questions shall be generated by computer using a published algorithm freely available to the public. This algorithm shall, for each question, generate 1 from a wide diversity of possibilities. For technical questions that include numeric calculation, the range of numbers chosen shall be very wide. No question shall have fewer than one hundred forms possible. Same may have more than a billion.

3. Questions on FCC Rules shall be written to assume that a copy of the actual current rules is on hand for the test taker during the test. Publishers will surely jump on the opportunity to publish a copy of the rules as a separate booklet. It will be the responsibility of the candidate to bring the rules booklet, and the VE will verify that it contains no other material or notes.

Once the rules are cleaned up and made applicable, a step not likely to take place until after the code issue is resolved in favor of having at least one codeless class, then the pressure to ease the tests will only come from those not really qualified to share the spectrum.

But remember, we are to be testing on the competency to use and share the radio spectrum, not on how much someone can "be like us".

> > Tad, please let us know what you do believe in; what your opinions are.
> > Opinions themselves are not subject to debate, because they represent what
> > you are, and that is simply fact about you. What could be subject to
> > debate are the facts you might use in support of your opinion.
>
>
> I believe that it was too bad when a new licensee wrote a nice simple
> posting on here saying that he had studied the code, passed the exam,
> and found the experience enjoyable, and then someone describes their
> TOTAL OUTRAGE, as if by passing the exam he was engaging in some kind
> of evil conspiracy to drag us back into the 1950s.

I don't concur fully with the outrage. Though I don't have the original posting on the screen at the moment, I do recall an inference in it that everyone should have to take the same test, because it was easy for one person. When I originally read that, it was weak enough at the time to not be worthy of a rebuttal. It is the subsequent spark of debate that my rebuttal is addressed to.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From -4881300159175590036
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56695760eb180348
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 09:16:55 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!wuarchive!uwm.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was
Message-ID: <30500759@ux1.cso.uiuc.edu>
Date: 8 Oct 90 00:13:00 GMT
References: <270@<190>
Lines: 56
Nf-ID: #R:<190:270:ux1.cso.uiuc.edu:30500759:000:2964
Nf-From: ux1.cso.uiuc.edu!phil    Oct  7 19:13:00 1990
Posted: Mon Oct  8 01:13:00 1990
```

> > From: alanb@hpnmdla.HP.COM (Alan Bloom)
> >
> > > >My personal interpretation of this law is this. If I have my radio
> > > >with me and it can communicate with the authorities, then IS is THE
> > > >fastest means possible.
> > >

> >
> > It might be instructive to consider a slightly different situation. You come upon a car accident involving a police car where the officer has been knocked unconscious. Do you reach into the police car, grab the mic, and call for help on the police radio?
> >
> > My answer is NO, if I have two meters available, and YES if there is no other means of communication handy.
>
> This is a different situation indeed. Speaking as an experienced police dispatcher, I would say that the department would wonder why the ham insisted on using his/her own radio for something that urgent. Calling for an "officer down" or "officer in trouble" is probably the most urgent call you could make to a police department (by their standards). Certainly it would justify ANYONE'S use of the patrol car radio.
>
> On the other hand, it is quite silly (yes, I've heard it done) to autopatch an accident report with emergency units already at the scene.

Those are good examples of the extremes. I would not hesitate to use the police radio (assuming it is functional and accessible) to call in the "office down" report. Regardless of my location in the United States. In a foreign country, there would be hestation, as the laws in those country are "foreign" to me, and I don't know what severe trouble I might be getting into. I'll suggest that readers outside the US post what they might think could happen in their countries in these kinds of situations. I would be interested, too, in cases where the native language us not English and the passerby is in such panic, they cannot recall any of their Berlitz tapes to use anything but, say, English.

Still some people might be intimidated by the police radio, or afraid that they would not be believed, or whatever else. If they have another means of communication that are already familiar with anyway, they might still prefer using that. Quite likely it would be faster for the average person to use 911 on his cellular phone than to use the officer's radio, anyway. Panic will set in for many people, and using the police radio might require them to think more about how to do it, than to just do what they already know how to do.

The latter example is certainly the absurd case, but I've known people to do such things, and would very well believe it to have happened.

I guess I could be just as absurd back to that person and ask them why they didn't just go tell the police officer (or other emergency personnel) who where right there, in person.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -8135662906308898363
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,8379367124525ef5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 09:39:09 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!hplabs!hpda!hpcupt1!hprnd!billt
From: billt@hprnd.rose.hp.com (Bill Thomas)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TH-77
Message-ID: <15780007@hprnd.rose.hp.com>
Date: 8 Oct 90 16:39:09 GMT
References: <1990Oct5.041503.4308@smcnet.smc.edu>
Organization: HP Roseville Networks Division
Lines: 1
Posted: Mon Oct 8 17:39:09 1990

What is the TH-77 ????????????????????

From 4096717145347310210
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56695760eb180348
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 10:13:24 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!ousrvr!ousrvr!luru
From: luru@stekt.oulu.fi (Ari Husa OH8NUP)
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was
Message-ID: <LURU.90Oct8123140@stekt.oulu.fi>
Date: 8 Oct 90 11:31:40 GMT
References: <270@<190> <30500759@ux1.cso.uiuc.edu>
Sender: news@ousrvr.oulu.fi
Organization: The Buffalo Club
Lines: 56
Posted: Mon Oct 8 12:31:40 1990
In-reply-to: phil@ux1.cso.uiuc.edu's message of 8 Oct 90 00:13:00 GM

> > > > >My personal interpretation of this law is this. If I have my radio
> > > > >with me and it can communicate with the authorities, then IS is THE
> > > > >fastest means possible.

> In a foreign country, there would be hestation, as the laws in those
> country are "foreign" to me, and I don't know what severe trouble I might
> be getting into. I'll suggest that readers outside the US post what they
> might think could happen in their countries in these kinds of situations.

In the regulations concerning amateur radio license and radio traffic, it is quite clearly said, that in a serious emergency (where human lives or considerable amount of public or private property is on stake), anyone is REQUESTED to do ANYTHING to get help on the way. I teach this way on a novice course, too.

I presume this would include "modified" ham radio gear and police repeater frequency as well. Before they go digital (not likely in a few years' time) or use scrambling (not common here), I would also easily think of several situations where this would be the best way to call an ambulance, for example. Remember, sometimes seconds DO count. However, I believe that an emergency call on 2 meter repeater would be faster - it would almost certainly take A LOT of explaining to the police radio operator to convince them. But that would be ONE possibility. MUCH faster than to run and look for a phone - say, from an accident site on a highway. Not everyone has a cellular phone in their car yet.

A whole other thing is to misuse the equipment. As far as I know, there was a ham (should I call him that?) in this town who got caught of chatting with the cops with his IC-2GE. Apparently, he was seriously drunk (getting caught almost requires that, I think).

He was facing charges of "Serious disturbing of security traffic" (or whatever that REALLY is in English) and possession of illegal radio transmitting equipment.

The point here is, that the latter charges were dropped - or at least they tried to get them dropped - on the basis of the fact that radio amateurs are permitted to build their own equipment, if desired. Thus, the modified IC-2GE would be a mere subject of his construction project... Remember, ham gear don't have to be type approved, if it is not meant to be sold.

Well, what's the bottom line? I am sorry to say that I don't know. The details of his case are unknown to me. I heard this from a fellow ham who was asked by the poor guy's attorney (as far as I understood it) to help with the case. I don't know how it all came out - or even if it there has been a trial yet.

> I would be interested, too, in cases where the native language us not
> English and the passerby is in such panic, they cannot recall any of their
> Berlitz tapes to use anything but, say, English.

Better hit the 2 meter repeater if you're in Oulu :-)

Luru

From 7205791469890967365
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3946f30eb4f5da5a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 10:15:36 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!
XEROX.COM!"Geoffrey_C._Williams.WBST207V"
From: "Geoffrey_C._Williams.WBST207V"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Short Wave on Car radios
Message-ID: <901008-134638-1166@Xerox>
Date: 8 Oct 90 17:15:36 GMT
Sender: daemon@ucbvax.BERKELEY.EDU

Reply-To: G4JJO.WBST207V@Xerox.COM
Organization: The Internet
Lines: 17
Posted: Mon Oct 8 18:15:36 1990

I seem to remember some time ago some discussion about GM radios that, if
one turned them on with certain buttons held in, that shortave reception
was enabled. Does anybody remember that discussion and still have the info
?
Also does anyone know of similar ocourances on other brands of car radios ?
I friend and I just thought of this again at lunch time. We will be
pressing and twidling the knobs on our radios to-night. If we get any thing
other than sore fingers I will let you know
.
Cheers and 73's

Geoff C. Williams,   Bldg 207-02B,   Xerox Corp, Webster,   NY   14580
          Phone   716-422-7422   Fax
716-422-3702
                               ARPA G4JJO.WBST207V@Xerox.COM

From -4451398109713481111
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,46aaec2233e14012
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 11:06:34 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: can 2sat do repeater split of 6.46 MHz?
Message-ID: <65.271079D4@rochgte.FIDONET.ORG>
Date: 7 Oct 90 19:59:10 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 20
Posted: Sun Oct 7 20:59:10 1990

> From: dt@yenta.alb.nm.us (David B. Thomas)
>
> I was trying to use a (non-amateur) repeater which has an offset
>
> What gives? Is this the first computerized, synthesized ICOM radio that is
> less flexible than its predecessors with respect to this feature? Of am
> I the first ICOM owner who both needed the feature and is too dense to
> figure it out?

Maybe ICOM found a way to keep you from unlawfully using your non-type-accepted amateur equipment to transmit outside the ham bands.

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From 1356749075470850919
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,46aaec2233e14012
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 12:19:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!sun-barr!newstop!sun!amdcad!mozart.amd.com!reed
From: reed@mozart.amd.com (David F. Reed)
Newsgroups: rec.ham-radio
Subject: Re: can 2sat do repeater split of 6.46 MHz?
Summary: using odd splits out of band
Message-ID: <1990Oct8.191935.1001@mozart.amd.com>
Date: 8 Oct 90 19:19:35 GMT
References: <65.271079D4@rochgte.FIDONET.ORG>
Organization: Advanced Micro Devices, Inc.
Lines: 27
Posted: Mon Oct 8 20:19:35 1990

In article <65.271079D4@rochgte.FIDONET.ORG> David.Stark@f218.n260.z1.FIDONET.ORG (David Stark) writes:
>
> > From: dt@yenta.alb.nm.us (David B. Thomas)
> >
> > I was trying to use a (non-amateur) repeater which has an offset
> >
> > What gives? Is this the first computerized, synthesized ICOM radio that is
> > less flexible than its predecessors with respect to this feature? Of am
> > I the first ICOM owner who both needed the feature and is too dense to
> > figure it out?
>
>   Maybe ICOM found a way to keep you from unlawfully using your
>non-type-accepted amateur equipment to transmit outside the ham bands.

well, it seems to me, Civil Air Patrol repeaters frequently straddle the 2m
band; they don't seem to mind "modifed ham gear" vs. type accepted, and to
my knowledge this is not unlawful; no I am not an attorney, but quite a few
CAP types here in Austin are also hams, and go this route, so I think we may
not wish to assume dt there is looking for a means to an unlawful end.

cheers

--

```
--------------------------------------------------------------------
"...just my opinion, not speaking for AMD." KK5D / 7J1AGO etc.
David F. Reed       4512 Clarno         Austin TX 78749
packet: KK5D@KB5PM      driving by? try 442.150 repeater


From 3024099936818786881
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1f794f611069b46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 13:26:00 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!mips!apple!altos!altos86!
jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Re: Ouch! ARRL takes a deeper bite....
Message-ID: <4196@altos86.Altos.COM>
Date: 8 Oct 90 20:26:00 GMT
References: <530022@hpdmd48.boi.hp.com> <530023@hpdmd48.boi.hp.com> <348@ssc.UUCP>
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 21
Posted: Mon Oct  8 21:26:00 1990

In article <348@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>In article <530023@hpdmd48.boi.hp.com>, ritchie@hpdmd48.boi.hp.com (David
Ritchie) writes:

} Will they spend a large wad of cash for a shortwave
}> broadcast station, then come to the membership with hat in hand looking for
}} money for WARC-92 funding? You bet.
}
}WHAT!!?!?  Is he hallucinating?  When did the ARRL invest in a shortwave
}broadcast station?


Obviously, he means W1AW, which, for most intents and purposes, IS a
shortwave broadcast station that happens to broadcast on ham frequencies
using paid operators.



--
Jerry Gardner, NJ6A                         Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos!jerry    2641 Orchard Parkway
Internet: jerry@altos.com                   San Jose, CA  95134
Guns don't kill people, bullets do.                     (408) 432-6200


From 6577312556111516674
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f788f789dd505bd9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 13:32:00 PST
```

Path: gmdzi!unido!mcsun!uunet!world!decwrl!ucbvax!ROSEVC.Rose-Hulman.EDU!DERRY
From: DERRY@ROSEVC.Rose-Hulman.EDU
Newsgroups: rec.ham-radio
Subject: Hardware
Message-ID: <21C4D20D0C3FC02F41@ROSEVC.Rose-Hulman.Edu>
Date: 8 Oct 90 20:32:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Mon Oct 8 21:32:00 1990

Where can I obtain porcelein strain insultors, egg-shaped, for 3/16-in diameter guys wires? It's been years since I've seen any at hamfest fleamarkets.

TNX ES 73 DE K9CUN

derry@rosevc.rose-hulman.edu

From 4708010432836039789
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,42d21f69cf336186
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 14:11:24 PST
Path: gmdzi!unido!mcsun!uunet!clarkson!news
From: bray@sun.soe.clarkson.edu (David Bray)
Newsgroups: rec.ham-radio
Subject: Re: icom fast charger (BC-72A)
Message-ID: <1990Oct8.134729.29634@news.clarkson.edu>
Date: 8 Oct 90 13:47:29 GMT
References: <55.UUL1.3#1@vortex.COM>
Sender: news@news.clarkson.edu
Organization: Clarkson University, Potsdam, NY
Lines: 16
Posted: Mon Oct 8 14:47:29 1990
Nntp-Posting-Host: sun.soe.clarkson.edu

From article <55.UUL1.3#1@vortex.COM>, by lauren@vortex.COM (Lauren Weinstein):
>
> 3) Is it correct to assume that with all these Icom SAT, etc. radios,
>   the radios' internal nicad batteries (when present) are never
>   charged if you charge with the fast charger when an external battery
>   pack is in place? I assume that this is the purpose of the BA-12
>   adapter--to provide a way to charge the internal batteries with the
>   fast charger?

There seems to be a misunderstanding about the BA-12. It has NOTHING to do with the fast charger. The BA-12 is a little voltage/current regulator which slips ontop of an external battery pack (e.g. BA-90) to allow you to charge it using the supplied wall charger (at normal charge rates).

David W. Bray, K2LMG

```
bray@sun.soe.clarkson.edu


From -7923832410543414575
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f2bec5dbeb275ff
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 14:19:41 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
usc!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: Novice test code requirement... Aga
Message-ID: <8891@helios.TAMU.EDU>
Date: 8 Oct 90 12:01:09 GMT
References: <121355@<90269> <30500757@ux1.cso.uiuc.edu>
Sender: usenet@helios.TAMU.EDU
Organization: Computer Science Department, Texas A&M University
Lines: 12
Posted: Mon Oct  8 13:01:09 1990

In article <30500757@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>
>If we need operating skill tests, why not have ones that test what most
>hams really do most.
>

OH no.  I can see it all now.  Starting next year the test will consist
of Doctor DX!!!    :-)
             ^
               see.  smiley.  I'm joking.  honest.

bill    KB3YV


From 13787465465309246
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,42d21f69cf336186
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 14:22:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!clarkson!news
From: bray@sun.soe.clarkson.edu (David Bray)
Newsgroups: rec.ham-radio
Subject: Re: icom fast charger (BC-72A)
Message-ID: <1990Oct8.135127.29776@news.clarkson.edu>
Date: 8 Oct 90 13:51:27 GMT
References: <55.UUL1.3#1@vortex.COM>
Sender: news@news.clarkson.edu
Organization: Clarkson University, Potsdam, NY
Lines: 16
Posted: Mon Oct  8 14:51:27 1990
Nntp-Posting-Host: sun.soe.clarkson.edu
```

From article <55.UUL1.3#1@vortex.COM>, by lauren@vortex.COM (Lauren Weinstein):
>
> 3) Is it correct to assume that with all these Icom SAT, etc. radios,
> the radios' internal nicad batteries (when present) are never
> charged if you charge with the fast charger when an external battery
> pack is in place? I assume that this is the purpose of the BA-12
> adapter--to provide a way to charge the internal batteries with the
> fast charger?

There seems to be a misunderstanding about the BA-12. It has NOTHING to do with the fast charger. The BA-12 is a little voltage/current regulator which slips ontop of an external battery pack (e.g. BA-90) to allow you to charge it using the supplied wall charger (at normal charge rates).

David W. Bray, K2LMG
bray@sun.soe.clarkson.edu

From 6732785044277772474
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 14:23:15 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ames!ncar!umigw!rsmas!eakin
From: eakin@rsmas.miami.edu
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Message-ID: <9971.271056f8@rsmas.miami.edu>
Date: 8 Oct 90 14:37:43 GMT
References: <30583@netnews.upenn.edu> <9695@uhccux.uhcc.Hawaii.Edu>
<45485@unix.cis.pitt.edu> <4895@qip.UUCP> <3000@wyse.wyse.com>
Lines: 22
Posted: Mon Oct 8 15:37:43 1990

In article <3000@wyse.wyse.com>, stevew@wyse.wyse.com (Steve Wilson x2580 dept303) writes:
>
> Is this a bad thing...depends on the implementation. In my area
> I've NEVER heard a station who didn't have the codes not get
> through IMMEDIATELY. The members of these repeaters fall all
> over each other racing to the keypad to bring up the autopatch.

When I was a new ham, I tried to call 911 to report a shooting. I tried every repeater I could hit & found noone that could place the call. Of course, it was about 2am. I agree that we should standardize 911 repeater autodials, even if multi-city boundaries may life tough on the 911 operators.

The other option is to suggest that all hams should carry cellular phones to make emergency calls. Really says something about our usefulness doesn't it?

73 de Mark

--

C. Mark Eakin
Internet: Eakin@RSMAS.miami.edu
Amateur Radio: N4SYK   Packet Radio: N4SYK@AB4LU.FL.USA.NA
USnail: Univ. of Miami, RSMAS-BLR, 4600 Rickenbacker Cswy. Miami, FL 33149-1098

From 6000682413076178988
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6ff42a6594be937,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 14:27:38 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!ames!sun-barr!newstop!west!L1-A.West.Sun.COM!flloyd
From: flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242)
Newsgroups: rec.ham-radio
Subject: Whatever happened to Swan?
Message-ID: <1077@west.West.Sun.COM>
Date: 8 Oct 90 16:21:42 GMT
Sender: news@west.West.Sun.COM
Organization: Sun Microsystems, Mt. View, Ca.
Lines: 16
Posted: Mon Oct 8 17:21:42 1990

Having recently purchased a Swan 500CX, I'm now in need of a manual and
schematic for the unit. Does anyone have a copy or a repro that they
would be willing to part with?

I know that Swan is long gone, but does anyone know who purchased them
or where their old parts stocks went?

tnx es 73, Fred   AA7BQ

```
--
| Fred Lloyd  AA7BQ                            flloyd@West.sun.com |
| Sun Microsystems, Inc.                                ...sun!flloyd |
| Phoenix, AZ                                                      |
```

From 3411242429410115971
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,42d21f69cf336186
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 14:33:34 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!wuarchive!zaphod.mps.ohio-state.edu!mips!max!crisp
From: crisp@mips.COM (Richard Crisp)
Newsgroups: rec.ham-radio
Subject: Re: icom fast charger (BC-72A)
Message-ID: <41968@mips.mips.COM>
Date: 8 Oct 90 16:30:34 GMT

References: <55.UUL1.3#1@vortex.COM> <1990Oct8.135127.29776@news.clarkson.edu>
Sender: news@mips.COM
Reply-To: crisp@mips.COM (Richard Crisp)
Organization: MIPS Computer Systems, Inc.
Lines: 35
Posted: Mon Oct 8 17:30:34 1990

In article <1990Oct8.135127.29776@news.clarkson.edu> bray@sun.soe.clarkson.edu
(David Bray) writes:
>From article <55.UUL1.3#1@vortex.COM>, by lauren@vortex.COM (Lauren Weinstein):
>>
>> 3) Is it correct to assume that with all these Icom SAT, etc. radios,
>>   the radios' internal nicad batteries (when present) are never
>>   charged if you charge with the fast charger when an external battery
>>   pack is in place? I assume that this is the purpose of the BA-12
>>   adapter--to provide a way to charge the internal batteries with the
>>   fast charger?
>
>There seems to be a misunderstanding about the BA-12. It has NOTHING to do
>with the fast charger. The BA-12 is a little voltage/current regulator which
>slips ontop of an external battery pack (e.g. BA-90) to allow you to charge
>it using the supplied wall charger (at normal charge rates).
>
>David W. Bray, K2LMG
>bray@sun.soe.clarkson.edu

I will agree with Mr. Bray that there is some misunderstanding abou the
BA12, however the misunderstanding is on his part best I can tell :-)

The BA12 that I own will not fit atop any of the battery packs that I own.
In fact, the BA12 is necessary to use as an adaptor so as to charge the
internal batteries carried by my R1 when I use the fast charger. When I
buzzed out my BA12 (which by the way is marked "battery adaptor"), I
found it to be a simple passive circuit, ie straight through connections.
There is no means provided to connect the R1's wall charger to the BA12
either. Furthermore, when my external battery pack is attached, the
internal batteries cannot be charged via the fast charger.

--
Richard Crisp   crisp@mips.com
MIPS Computer Systems   !decwrl!mips!crisp
928 Arques MS 2-02   (408) 524-8177
Sunnyvale, Ca 94086

From -2369008343202298519
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e55c577a184925cc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 15:04:39 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!elroy.jpl.nasa.gov!aero!obrien
From: obrien@aero.aero.org (Michael O'Brien)
Newsgroups: rec.ham-radio

Subject: Re: Circuit to add odd offsets to IC24
Message-ID: <87977@aerospace.AERO.ORG>
Date: 8 Oct 90 22:04:39 GMT
References: <57.UUL1.3#1@vortex.COM>
Sender: news@aerospace.aero.org
Reply-To: obrien@aero.aero.org (Michael O'Brien)
Organization: The Aerospace Corporation
Lines: 28
Posted: Mon Oct 8 23:04:39 1990

In article <57.UUL1.3#1@vortex.COM>, lauren@vortex.COM (Lauren Weinstein) writes:
|> On the assumption that no method exists to program odd repeater
|> offsets into the 24, I took a look at the schematics to see if it
|> would be practical to add such functionality. It appears that it
|> might well be.
<...>
|> The real question is, has anyone attempted this before, or done
|> anything like it? And of course, if it turns out there *is* some way
|> to program the odd offset directly, this would all (happily) be an
|> academic discussion.

I don't own an ICOM, though I've heard they're very good units. For what it's worth, I can say that the Kenwood TH-75A solved the problem by providing three "special" memory locations which can take oddball splits (out of a total of 10). You use them by 1) programming the memory normally, thus setting the receive frequency, then 2) dialling up the transmit frequency, pressing the memory button, pressing and holding the PTT switch (unit doesn't transmit in this case), and pressing the same memory channel number. This saves the transmit frequency.

It might be worth trying this out on the ICOM on the off-chance that it can store separate TX and RX freqencies in at least some of its memory locations, documented or not. (Hi, Lauren! Good luck.)
--
Mike O'Brien
obrien@aerospace.aero.org

From -3607479483247957104
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,42d21f69cf336186
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 16:19:14 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!wuarchive!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!iuvax!ux1.cso.uiuc.edu!kline
From: kline@ux1.cso.uiuc.edu (Charley Kline)
Newsgroups: rec.ham-radio
Subject: Re: icom fast charger (BC-72A)
Message-ID: <1990Oct8.183407.10532@ux1.cso.uiuc.edu>
Date: 8 Oct 90 18:34:07 GMT
References: <55.UUL1.3#1@vortex.COM> <1990Oct8.135127.29776@news.clarkson.edu>

<41968@mips.mips.COM>
Organization: University of Illinois at Urbana
Lines: 12
Posted: Mon Oct 8 19:34:07 1990

>> The BA-12 is a little voltage/current regulator which
>> slips ontop of an external battery pack (e.g. BA-90) to allow you to charge
>> it using the supplied wall charger (at normal charge rates).

The thing that clips onto battery packs and that you plug the wall trickle
charger into is called the AD-14. They're pretty scarce, I imagine because
demand for them is huge..

____
Charley Kline, KB9FFK, PP-ASEL   c-kline@uiuc.edu
University of Illinois Computing Services   Packet: kb9ffk@w9yh
1304 W. Springfield Ave, Urbana IL 61801   (217) 333-3339

From -2852161946312115932
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67962d9d511f6de3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 16:19:50 PST
Path: gmdzi!unido!mcsun!sunic!ericom!tnetxa.ericsson.se!etxsral
From: etxsral@tnetxa.ericsson.se (Lars Nilsson, ERICSSON TELECOM, SWEDEN)
Newsgroups: rec.ham-radio
Subject: Want's to modify bc200xlt battery-alarm
Message-ID: <20127@tnetxa.ericsson.se>
Date: 8 Oct 90 19:41:19 GMT
Lines: 20
Posted: Mon Oct 8 20:41:19 1990

I need hints how to modify the battery-supervision circuit on
Uniden/Bearcat BC200XLT.

I have _no_ service-manual.

Please respond by e-mail.

Lars Nilsson
Ericsson Telecom AB , Sweden
Phone: + 46 (8) 719 7308
Fax: + 46 (8) 645 60 76

INTERNET: etxsral@tnetxa.ericsson.se
FIDONET : Lars Nilsson at 2:201/108.7

Ericsson Corporate Network: VAX-MAIL: TNETXA::ETXSRAL
                                      MEMO: ERI.ETX.ETXSRAL
                                      IBM : ETXSRAL at LMEL
                                            ETXSRAL at LMES

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From -4898407926280422804
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7ba1b104af081a8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 16:42:06 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!wuarchive!swbatl!ken
From: ken@swbatl.sbc.com (Ken Gianino 5-9081)
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and intermodulation.
Message-ID: <1990Oct8.202738.3221@swbatl.sbc.com>
Date: 8 Oct 90 20:27:38 GMT
References: <05.Oct.90.12:11:22.BST.#3652@UK.AC.NWL.IA> <40562@cci632.UUCP>
Organization: Southwestern Bell Advanced Technology Laboratory
Lines: 18
Posted: Mon Oct  8 21:27:38 1990

>>Why install scanning etc. on a radio when the squelch is kept open *ALL THE
>>TIME* by garbage from the local paging TX?
>WHY are these things such a problem?  It seems almost universal that they
>throw all kinds of crap everywhere.  Numerous letters have been fired off
>by me, but none of these companies have ever responded.  Are the FCC regs
>too lax on this type of transmitter?

  Chances are that the transmitter is well within FCC specs.  It's not
  unusual for a paging company in a metro. area to run 15 or 20 transmitters
  all belching out 250 Watts in simulcast.  If your DC-to-Light HT doesn't
  like that, then there is probably no where to hide.  Only once have I seen
  the intermod generated in the transmitter instead of the receiver.  That
  was when the isolator load had blown open at a site co-located with
  other transmitters.  If you can back up your claim with proof you might
  get the company to listen to you.  Things will happen a lot faster if
  you can get the FCC field office to make the call for you!  I speak from
  experience!
  -Ken WB0QNA


From -1873763281333368997
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7ba1b104af081a8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 16:50:53 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!wuarchive!
udel!rochester!rit!cci632!cep
From: cep@cci632.UUCP ( co-op)
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and intermodulation.
Message-ID: <40562@cci632.UUCP>
Date: 8 Oct 90 14:06:24 GMT
References: <05.Oct.90.12:11:22.BST.#3652@UK.AC.NWL.IA>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
```

Lines: 16
Posted: Mon Oct 8 15:06:24 1990

In article <05.Oct.90.12:11:22.BST.#3652@UK.AC.NWL.IA> PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon") writes:

>Why install scanning etc. on a radio when the squelch is kept open *ALL THE
>TIME* by garbage from the local paging TX?

Yeah, REALLY! There is a local pager that gets into my TH-215 *TERRIBLY*
making it unbearable to passively listen to one of the local repeaters.
I had problems with intermod from a digital paging system when I lived on
Long Island, too, right smack on a packet channel.

WHY are these things such a problem? It seems almost universal that they
throw all kinds of crap everywhere. Numerous letters have been fired off
by me, but none of these companies have ever responded. Are the FCC regs
too lax on this type of transmitter?

Chris/WZ2B

From 7271114245346442069
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76d80870ad25da9d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,76d80870ad25da9d
X-Google-Attributes: gid114aac,public
X-Google-Thread: 105d97,76d80870ad25da9d
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-10-08 16:51:02 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!regent.enet.dec.com!gettys
From: gettys@regent.enet.dec.com (Bob Gettys N1BRM)
Newsgroups: rec.ham-radio,rec.radio.shortwave,sci.electronics
Subject: Re: Icom R1 battery charger
Message-ID: <15877@shlump.nac.dec.com>
Date: 8 Oct 90 18:29:30 GMT
Sender: newsdaemon@shlump.nac.dec.com
Followup-To: rec.ham-radio
Organization: Digital Equipment Corporation
Lines: 29
Xref: gmdzi rec.ham-radio:15523 rec.radio.shortwave:2355 sci.electronics:9028
Posted: Mon Oct 8 19:29:30 1990

In article <3951@radio.oakhill.UUCP>, charlie@oakhill.UUCP (Charlie Thompson) writes...
>This is for Icom IC-R1 owners etc.....
>
>I just received my R1 from my Japan mule. Boy is it small!
>Anyway...the charger is for 100VAC. Since the power company
>around here likes to sell more electricity (my line voltage

>is 125VAC) has anyone had problems with using a 100VAC
>charger on US mains? The thing gets kinda hot.
>
>2nd question. Anybody got schematics for the little beastie?
>
>What a cute little toy!
>
>-Charlie WB4HVD

Go to your local Ham Radio store and get a charger for the IC-2S or IC-24 series walkies. Better yet, get the fast charger. You will probably need the bottom adaptor as an interface. Take the R1 with you and they will be able to set you up.

/s/ Bob N1BRM

p.s. I envy you!

From -2864739182663978642
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c42431bc94860997
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 16:55:51 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!wuarchive!decwrl!ogicse!intelhf!donk!jerry
From: jerry@donk.UUCP (jerry)
Newsgroups: rec.ham-radio
Subject: Re: Novice test code requirement... Again.
Message-ID: <680@donk.UUCP>
Date: 8 Oct 90 16:57:46 GMT
References: <90269.121355DOW@MAINE.BITNET> <1371@ke4zv.UUCP> <90272.072732DOW@MAINE.BITNET> <1381@ke4zv.UUCP>
Reply-To: jerry@.UUCP (Jerry Gaiser)
Organization: Development Tools - iNTeL Corp. Hillsboro, Oregon
Lines: 47
Posted: Mon Oct 8 17:57:46 1990

In article <1381@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
>In article <90272.072732DOW@MAINE.BITNET> DOW@MAINE.BITNET (Michael R. Dow) writes:
>I knew it. I have contended for a long time that musical talent and CW
>skill go hand in hand. Every high speed CW op that I have discussed this
>with has admitted to being musical. Most of the folks who have trouble
>with CW admit they can't carry a tune in a bucket. Personally, I wasted
>several years of bloody fingered practice trying to master the guitar.
>I could technically sound the notes perfectly, but I could never make
>music. Similarly, I spent a year of very hard work building enough code

>speed to pass the exam, but I still get a mental block at times even on
>the simplest letters, even E. I found that writing the dots and dashes
>down at such times allowed me to continue copying without getting hopelessly
>behind. You don't seem able to understand this. Because it's "easy" for
>you, I must not be "HONESTLY" trying hard enough. Please also consider
>that Samuel Morse's original telegraph made marks on a strip of paper that
>were later deciphered by the operator. This is the way old Sam intended
>the Morse Code to be used. I don't consider it cheating to use his methods.
>Copying the message correctly is what it's all about after all, not showing
>off a musical talent.
>

I must be the exception that makes the rule.. :-)

I can't carry a note in a covered basket and I can read CW, although...

I'm an ex-USN radioman and the way the Navy teaches it is to beat it into your head for a couple of weeks (It seemed like 8 hours a day for the first week).

And although I like copy CW, I also think that a change needs to be made.
If Amatuer Radio is going to continue, it is going to have to attract people and "I" think that CW "can" be a stumbling block for a lot of people.
Just my 2 cents..

Jerry (ex-WB7RHQ and soon ??)

>Gary KE4ZV

```
***************************************************************************
* Intel may own me body and soul, but these opinions are MINE. So there.  *
*-------------------------------------------------------------------------*
* jerry@orion1.hf.intel.com         You can find me either here or       *
* 74176.1024@compuserve.com         here                                 *
*-------------------------------------------------------------------------*
* "We have ways to make you scream."                                     *
* -- Intel advertisement, in the June 1989 Doctor Dobbs Journal          *
***************************************************************************
```

From 9196761450726361668
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,46aaec2233e14012
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 16:57:30 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!unmvax!bbx!yenta!dt
From: dt@yenta.alb.nm.us (David B. Thomas)
Newsgroups: rec.ham-radio
Subject: Re: can 2sat do repeater split of 6.46 MHz?
Message-ID: <1896@yenta.alb.nm.us>
Date: 8 Oct 90 16:52:44 GMT
References: <65.271079D4@rochgte.FIDONET.ORG>

Organization: yenta unix pc, Rio Rancho, NM
Lines: 26
Posted: Mon Oct 8 17:52:44 1990

David.Stark@f218.n260.z1.FIDONET.ORG (David Stark) writes:

> > From: dt@yenta.alb.nm.us (David B. Thomas)
> > I was trying to use a (non-amateur) repeater which has an offset

>   Maybe ICOM found a way to keep you from unlawfully using your
>non-type-accepted amateur equipment to transmit outside the ham bands.

Very funny. I can jam police radios, broadcast remotes, taxi services,
fire departments ... but I can't use an oddball offset conveniently, inside
or outside the ham bands. Bravo.

I suppose if I one of my alligator clips broke while I was soldering onto
it, you'd say that radio shack found a way to keep me from unlawfully
using it to smoke dope!

I hate to ruin your day, Stark, but ICOM purposefully designs radios so that
a simple mod will allow transmission outside the ham bands. There's money
in it, so they do it. My friends and I buy them because of it.

Hey, some people select a car that can do 135 mph over an otherwise similar
car that can only do 80. Go to rec.autos.driving and bother them for a while!

Rich Bono, if you are reading, THIS is the kinda guy I was talking about.

little david

From -5160725015333886392
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1f794f611069b46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 17:16:28 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Ouch! ARRL takes a deeper bite....
Message-ID: <1396@ke4zv.UUCP>
Date: 9 Oct 90 00:16:28 GMT
References: <530022@hpdmd48.boi.hp.com> <530023@hpdmd48.boi.hp.com> <348@ssc.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 22
Posted: Tue Oct 9 01:16:28 1990

In article <348@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>In article <530023@hpdmd48.boi.hp.com>, ritchie@hpdmd48.boi.hp.com (David Ritchie) writes:

>> Will they spend a large wad of cash for a shortwave
>> broadcast station, then come to the membership with hat in hand looking for
>> money for WARC-92 funding? You bet.
>
>WHAT!!?!? Is he hallucinating? When did the ARRL invest in a shortwave
>broadcast station?

You must not read QST! :-)
The shortwave broadcast station he's talking about has call letters W1AW.
They recently had Harris equip it with commercial transmitters. I don't
disagreed with their decision to go with commercial grade transmitters,
by the way. As to it being a broadcast station, read the article in QST about
how the computers fire up the transmitters to BROADCAST their bulletins
without monitoring the frequency first. This is my only objection to their
operations. There has been debate here before as to the legallity of
automated QRM so I won't go into that. Many hams feel the service out
weighs the interference. I do too, even though I still think it sets a
bad example of poor operating practice.

Gary KE4ZV

From -1777153940677969283
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56695760eb180348
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 17:29:08 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!hayes.fai.alaska.edu!accuvax.nwu.edu!casbah.acns.nwu.edu!tony
From: tony@casbah.acns.nwu.edu (Anthony J Leonardo)
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was
Message-ID: <296@casbah.acns.nwu.edu>
Date: 8 Oct 90 20:03:09 GMT
References: <270@<190> <30500759@ux1.cso.uiuc.edu>
Sender: news@casbah.acns.nwu.edu
Reply-To: tony@casbah.acns.nwu.edu (Anthony J Leonardo)
Organization: Academic Computing and Network Services, Evanston, Il.
Lines: 24
Posted: Mon Oct 8 21:03:09 1990

>
>Those are good examples of the extremes. I would not hesitate to use the
>police radio (assuming it is functional and accessible) to call in the
>"office down" report. Regardless of my location in the United States.
>In a foreign country, there would be hestation, as the laws in those
>country are "foreign" to me, and I don't know what severe trouble I might
>be getting into. I'll suggest that readers outside the US post what they
>might think could happen in their countries in these kinds of situations.

I come from Lima, Peru where officers are killed constantly.
Unfortunately the officers don't carry portable radios like here. However
when a officer is shot the police highly appreciate people calling in for

help from the squads radio if the policeman was not on foot patrol.

Unfortunately people panic and are afraid to go near police car because of the risk they encounter doing it. (A police squad may come to the scene and see a wounded officeer and a civilian *terrorist* in the car and shoot him.) I would say that if you are willing to take this risk go ahead, but remember that many countries have delicate situations and anything ould happpen.

tony

>
>--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
><phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -8993675732477309841
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e55c577a184925cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 17:39:01 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!randvax!vortex!lauren
From: lauren@vortex.COM (Lauren Weinstein)
Newsgroups: rec.ham-radio
Subject: Circuit to add odd offsets to IC24
Message-ID: <57.UUL1.3#1@vortex.COM>
Date: 8 Oct 90 20:41:00 GMT
Organization: Vortex Technology
Lines: 32
Posted: Mon Oct 8 21:41:00 1990

On the assumption that no method exists to program odd repeater offsets into the 24, I took a look at the schematics to see if it would be practical to add such functionality. It appears that it might well be.

The simplest technique would seemingly be to program the transmit and receive frequencies of interest in two adjacent simplex memory channels. A circuit would then be needed to bump the channel up when PTT is pressed and back down when PTT is released. Since it takes a significant fraction of a second for carrier to come on when PTT is pushed, the channel switch should occur before transmission actually begins.

The rotary channel selector simply provides an up or down pulse to the logic each time the knob is turned. The circuit under discussion would provide this same pulse based on the PTT operation. Of course, a means to activate and deactivate this function (perhaps by an "invalid" combination of keyboard buttons pressed simultaneously) would also be needed.

One nice thing about this concept is that it would involve little or no work on the PC boards, but could be almost totally interfaced at the PTT and rotary switches. Building the circuit small enough to fit in the unit might be a challenge, but there actually is some room in the area of the UT-50 PL encoder/decoder card.

The real question is, has anyone attempted this before, or done
anything like it? And of course, if it turns out there *is* some way
to program the odd offset directly, this would all (happily) be an
academic discussion.

--Lauren--

From 6029476333273736811
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 17:39:04 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!know!zaphod.mps.ohio-state.edu!
math.lsa.umich.edu!spsd4330a.erim.org!hideg
From: hideg@spsd4330a.erim.org (Steve Hideg (Mr. Fabulous))
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Message-ID: <1990Oct8.213456.18490@math.lsa.umich.edu>
Date: 8 Oct 90 21:34:56 GMT
Sender: usenet@math.lsa.umich.edu
Organization: ERIM
Lines: 12
Posted: Mon Oct 8 22:34:56 1990
References:<30583@netnews.upenn.edu> <9695@uhccux.uhcc.Hawaii.Edu>
<8882@helios.TAMU.EDU>

In article <8882@helios.TAMU.EDU> billg@cs.tamu.edu (William Gunshannon)
writes:
> Where were the control operators for all these repeaters?? FCC regs
state
> that automatic operation requires a control operator.

Then it ain't "automatic".

____
Steve Hideg N8HSC

hideg@spsd4330a.erim.org

From -7304789189853353551
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 17:41:51 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!
hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives

Message-ID: <7880308@hpfcdc.HP.COM>
Date: 9 Oct 90 00:41:51 GMT
References: <30583@netnews.upenn.edu>
Organization: HP Fort Collins, Co.
Lines: 27
Posted: Tue Oct 9 01:41:51 1990

H> What is needed is a nationwide standard repeater code for accessing
H> emergency services...

J> It is easy to find out the 911 emergency codes for almost every repeater
J> in the state of Hawaii. ...everyone has nearly standardized on one of
J> the following: 911, *911, or *9.

A ham friend who represents a local club (Northern Colorado ARC) to the CCARC (Colorado Congress (?) of ARCs) tells me the statewide convention is:

911*

That works on three of the four patches of which I'm a member, but I think the fourth one is "*911" (I might be wrong about that).

Re: "What do we lack? A distress frequency."

On which band? Unlike many radio services, there are many different ham bands.

I'll assume you mean 2M. A problem I see is that many times the best frequency to use is a repeater, especially from an HT. Unfortunately, for some strange reason, repeaters are spread around all different frequencies. :-)

Seriously, as a ham who travels with an HT, if I have an emergency I'd rather try to hit a repeater than call on a simplex distress frequency.

From -2616486581869795752
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a276a91b3a88c56b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 19:28:40 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!usc!apple!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: operating skills
Message-ID: <68.27121FBA@rochgte.FIDONET.ORG>
Date: 9 Oct 90 02:28:40 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 16
Posted: Tue Oct 9 03:28:40 1990

> From: phil@ux1.cso.uiuc.edu
>
> If we need operating skill tests, why not have ones that test what most
> hams really do most. If we cannot decide and agree on what that is, then
> let each of us choose and be limited to using what we choose to test on.

How about a typing test?   ;-)

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From 7525673908543196292
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,65e5a26f006c36d0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 19:35:37 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!apple!rutgers!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: turn down the flamethrower, Tad
Message-ID: <69.27121FBB@rochgte.FIDONET.ORG>
Date: 9 Oct 90 02:35:37 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 29
Posted: Tue Oct 9 03:35:37 1990

> From: tad@ssc.UUCP (Tad Cook)
>
> > consider it. Since I am not even close to retirement age, this is
> > a problem that may be unique to my age group. Is the ARRL doing anything
> > about it? Nope.
>
> WHAT? This guy obviously does not read QST.

What is ARRL doing about restrictive covenants? PRB-1 doesn't have anything to do with those.

> WHAT!!?!? Is he hallucinating? When did the ARRL invest in a
> shortwave broadcast station?

Perhaps he means W1AW, which "broadcasts" legal one-way

transmissions that are supposed to be of interest to the amateur
community (plus code practice) on several amateur shortwave bands.
W1AW was just extensively (and expensively) renovated and operates
using top-line commercial-grade radio and computer equipment.

I do read QST. That's how I know all this.

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From -8255189705871322332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56695760eb180348
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 19:39:29 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!apple!rutgers!rochester!
uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!
David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was
Message-ID: <70.27121FBD@rochgte.FIDONET.ORG>
Date: 9 Oct 90 02:39:29 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 27
Posted: Tue Oct 9 03:39:29 1990

> From: luru@stekt.oulu.fi (Ari Husa OH8NUP)
>
> faster - it would almost certainly take A LOT of explaining to the
> police radio operator to convince them. But that would be ONE
> possibility. MUCH faster than to run and look for a phone - say,

Of course, the police agency would immediately dispatch someone
to your stated location anyway just to find out why you are on their
radio system.

> the modified IC-2GE would be a mere subject of his construction
> project... Remember, ham gear don't have to be type approved, if it is
> not meant to be sold.

BUT... any equipment used on police or other non-amateur
frequencies MUST BE type accepted. Using modified ham gear outside
the ham bands is ILLEGAL, no matter how many public-spirited EMTs and
others are carrying them on their belts.

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From -9067513981368615328
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1f794f611069b46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-08 23:59:46 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Ouch! ARRL takes a deeper bite....
Summary: ARRL
Message-ID: <359@ssc.UUCP>
Date: 9 Oct 90 06:59:46 GMT
References: <62.27102577@rochgte.FIDONET.ORG>
Organization: very little
Lines: 19
Posted: Tue Oct 9 07:59:46 1990

In article <62.27102577@rochgte.FIDONET.ORG>, David.Stark@f218.n260.z1.FIDONET.ORG (David Stark) writes:
>
>   I don't call an election of officers carte blanche to spend dues money
> hiring new staff. Any item that the BOD decides that involves adding salaries
> or otherwise committing large sums of cash should indeed be proposed to the
> membership first.

So what was the reaction of your director when you proposed this? Or did
you ever propose it?

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 6641484592687479832
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76d80870ad25da9d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 03:09:56 PST

Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!lavaca.uh.edu!menudo.uh.edu!chem63
From: chem63@menudo.uh.edu (Chang)
Newsgroups: rec.ham-radio
Subject: Sony CRF-V21
Message-ID: <1990Oct8.222559.11012@menudo.uh.edu>
Date: 8 Oct 90 22:25:59 GMT
References: <15877@shlump.nac.dec.com>
Organization: University of Houston
Lines: 7
Posted: Mon Oct 8 23:25:59 1990

Just got some flyers from Sony. They have a new (I mean I only
know it now) model of radio, the CRF-V21.

Does anyone has any experience/comments on it.

Bernard Chang.

From 3572758302573658883
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7ba1b104af081a8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 07:45:12 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!mips!zaphod.mps.ohio-state.edu!wuarchive!psuvax1!rutgers!att!dptg!mtunf!rdb
From: rdb@mtunf.ATT.COM (Ron DeBlock)
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and intermodulation.
Message-ID: <1385@mtunf.ATT.COM>
Date: 9 Oct 90 14:45:12 GMT
References: <05.Oct.90.12:11:22.BST.#3652@UK.AC.NWL.IA> <40562@cci632.UUCP> <1990Oct8.202738.3221@swbatl.sbc.com>
Organization: AT&T BL Middletown/Lincroft NJ USA
Lines: 18
Posted: Tue Oct 9 15:45:12 1990

The ham club at New Jersey Institute of Tech in Newark operates K2MFF/R on
147.225.

HT's monitoring this machine suffer from severe intermod. The signal from
another local repeater mixes with the signal from a mobile phone (not cell
phone - the old kind), creating a new signal on 147.225. The end result is
that you can listen to both the other repeater and Newark Mobile Phone
conversations at the same time. The intermod is strong enough to drown
out K2MFF/R.

The intermod is caused by signals mixing INSIDE the HT's. Mobile/base
tranceivers do not suffer from this problem.
--

```
Ron DeBlock     N2JSO           If God had meant for Man
rdb@mtunf.att.com           to see the sun rise, He
!mtunf!rdb                  would have scheduled it
                        later in the day.
```

```
From 6336585905011075651
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92dd53aa6801d4a1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 07:46:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!uicsl.csl.uiuc.edu!gene
From: gene@uicsl.csl.uiuc.edu
Newsgroups: rec.ham-radio
Subject: ICOM-751 Repair-Tip
Message-ID: <29400006@uicsl.csl.uiuc.edu>
Date: 9 Oct 90 14:46:00 GMT
Lines: 14
Nf-ID: #N:uicsl.csl.uiuc.edu:29400006:000:648
Nf-From: uicsl.csl.uiuc.edu!gene    Oct  9 09:46:00 1990
Posted: Tue Oct  9 15:46:00 1990
```

A few days ago, my ICOM-751 developed a Memory-storage problem....
..it would store properly so long as you kept the same "mode", but
when trying to store a different mode (such as changing from usb to
lsb) all previous storages were wiped out. I was preparing myself for
the painful task of shipping it out for repair, when I fortunately
overheard a ham conversation on the air from a person who worked at
a place that sold ham-gear. He had heard something about "holding
down the WRITE button", while turning the transceiver on (initial
power-up). I tried it and IT CURED MY PROBLEM! Apparently, it resets
or initializes some logic??

```
From -3207007463568520468
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7ba1b104af081a8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 08:14:36 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!rochester!rit!cci632!cep
From: cep@cci632.UUCP ( co-op)
Newsgroups: rec.ham-radio
Subject: Re: 2M HT's and intermodulation.
Message-ID: <40586@cci632.UUCP>
Date: 9 Oct 90 15:14:36 GMT
References: <05.Oct.90.12:11:22.BST.#3652@UK.AC.NWL.IA> <40562@cci632.UUCP>
<1990Oct8.202738.3221@swbatl.sbc.com>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
```

Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 12
Posted: Tue Oct 9 16:14:36 1990

In article <1990Oct8.202738.3221@swbatl.sbc.com> ken@swbatl.sbc.com (Ken Gianino 5-9081) writes:

> It's not
> unusual for a paging company in a metro. area to run 15 or 20 transmitters
> all belching out 250 Watts in simulcast.

Wow, I had no idea ... how does this work? I are they "cellular" in nature (the 15 or 20 don't overlap much)? This is a pretty good sort of "multipath" effect, how does it not foul up the receivers? (FM generates awful squeaks when you've got 2 comparable-strength x-mitters going at once)

Chris

From -716361099138787195
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93feb3115a1a57c3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,93feb3115a1a57c3,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-09 08:28:03 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!shelby!unix!Teknowledge.COM!uw-beaver!sumax!amc-gw!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Scanners in the Wall Street Journal
Keywords: Grove, scanners, cordless phones
Message-ID: <360@ssc.UUCP>
Date: 9 Oct 90 15:28:03 GMT
Organization: very little
Lines: 16
Xref: gmdzi rec.radio.shortwave:2401 rec.ham-radio:15677
Posted: Tue Oct 9 16:28:03 1990

Don't miss the cover article on scanner listening in this morning's (10-9-90) Wall St Journal. There is even a picture of Bob Grove on the cover! It has quotes from Bob Parnass concerning the joys of listening in on McDonalds, and talks about baby monitors, cellular, and president Bush.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW

```
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP


From -7391790356317729223
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,30a6f581f8fd07b6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 11:25:40 PST
Path: gmdzi!unido!mcsun!uunet!know!samsung!zaphod.mps.ohio-state.edu!ub!dsinc!
cdin-1!ki4pv!ka3ovk!albers
From: albers@ka3ovk.uucp (Jon Albers)
Newsgroups: rec.ham-radio
Subject: Wanted: Mods to the Kenwood TS-140S
Message-ID: <1990Oct9.182540.917@ka3ovk.uucp>
Date: 9 Oct 90 18:25:40 GMT
Organization: Internal Revenue Service
Lines: 13
Posted: Tue Oct  9 19:25:40 1990

I am looking for any and all mods for the TS-140S.  I just purchased one, and
feature for feature, it seems a lot like the 430S I used to have.  Does anyone
have info on mods for MARS/CAP and out-of-band transmit, transverter
connections, etc?  Anyone have computer control routines for it written
in 'C'?  Ported to UNIX/XENIX?  I'll take DOS if I really HAVE to.....

                                     Jon

--
| Jon Albers, IRS, Information Systems Management, Support and Installation.  |
| Office Symbols: ISM:S:S:SI   voice: (202/FTS)535-3729  Packet: KA3OVK@N4QQ  |
| UUCP:(media|teemc|tcsc3b2|ki4pv)!ka3ovk!albers ARPA: JALBERS@SIMTEL20       |


From 5798467462604582366
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c42431bc94860997
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-09 12:04:24 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!elroy.jpl.nasa.gov!sdd.hp.com!
hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Novice test code requirement... Again.
Message-ID: <7880309@hpfcdc.HP.COM>
Date: 9 Oct 90 19:04:24 GMT
References: <90269.121355DOW@MAINE.BITNET>
Organization: HP Fort Collins, Co.
Lines: 16
Posted: Tue Oct  9 20:04:24 1990

>  I just took my novice test... AN PASSED!
```

Another "welcome" to you Michael.

I agree with your sentiments regarding 5 WPM difficulty. I'm working on 20 WPM now, and the same thing applies - speed improves through regular practice and motivation. The only difference is that I'm going through more paper and ink. :)

Athletes and musicians know that practice and "luck" are positively correlated. While there are people on this Net that viscerally disagree about the CW requirement, remember that everyone can have an opinion, even if it is wrong. (Geez, guys, lighten up ! :)

Perry Scott
KF0CA

From 5464683966401070027
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 15:47:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!ucsd!swrinde!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <30500755@ux1.cso.uiuc.edu>
Date: 4 Oct 90 22:47:00 GMT
References: <9010032217.AA11855@tilde>
Lines: 65
Nf-ID: #R:<9010032217.AA11855@tilde>:-26:ux1.cso.uiuc.edu:30500755:000:3306
Nf-From: ux1.cso.uiuc.edu!phil   Oct 4 17:47:00 1990
Posted: Thu Oct 4 23:47:00 1990

> Not quite. You can just call your nearest repeater (isn't that why you have your rig?) and either dil 911 directly or have someone do it. That way, you won't have to explain your call. If you make an unauthorized call, you will spend a lot of time explaining to the dispatcher, or whomever, who you are, and why you're calling them directly. If it's precious seconds you're trying to save, you surely won't do it this way. And if it's *my* life you're trying to save please don't use this means. By the time you get through the hassle I'll probably have been carried to the hospital by a real Ham.

1. Not all repeaters have autopatches.

2. Sometimes no one is on frequency who can call for you.

3. Sometimes some windbag is on the frequency.

4. If you do get someone calling for you, there is the added delay and distortions of them relaying messages back and forth. The operators on each end (The ham on site and the dispatcher) don't get the

benefit of direct contact, such as detecting levels of stress.

If I have my IC-32AT with me, I can be on the local fire/rescue/medical frequency in just 3 seconds.

I believe that if you *DO* follow the standard procedures that they use on the radio, the dispatcher is more likely to sooner accept the communcations as that of an authentic emergency. The procedures work to save time as well. But if you don't know them, don't try to fake them. The dispatchers are trained to deal with communications with ordinary people as well, though it would be over the phone on a dedicated full duplex communication line. For that reason, simplex autopatches can be a problem as well. Using ordinary phone communications procedures over the radio can end up tying up the frequency which might be needed to actually dispatch the rescue.

If you find you must use such a frequency, I believe the following would be good advice:

0. Don't panic.

1. Give the dispatcher some sort of handle to call you by, so they can ask you to get back on frequency when they have a question to ask you. Do NOT give your ham call as this handle because it is not something they are readily prepared to deal with (unless you get LUCKY and the dispatcher is a ham). A good simple handle could be "ham operator".

   I happen to have an agency code and number they are familiar with and plan to use that.

2. BEFORE you get on the frequency, make an assesment of the situation. Know the LOCATION and the number and types of injuries. If we are talking "mass casualty" still give them NUMBERS. Estimate if you must, but numbers are important.

3. When you get on the frequency, address the dispatcher as everyone else does, give your "handle" and indicate you have "emergency traffic" or "an emergency situation" or whatever it is.

4. Let THEM handle the radio procedures such as clearing the frequency. Once you make contact, stay off the radio unless called or there is an important change in the situation. If you call them, address them in the usual manner and let them acknowledge you or as their common procedures go.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 7053462337385498248
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2aa993d185e714c3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 16:19:14 PST

Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
cs.utexas.edu!rutgers!att!cbnewse!parnass
From: parnass@cbnewse.att.com (Bob Parnass, AJ9S)
Newsgroups: rec.ham-radio
Subject: Re: Collins S-line
Summary: rotary switches are expensive and break
Message-ID: <1990Oct4.231914.13886@cbnewse.att.com>
Date: 4 Oct 90 23:19:14 GMT
References: <57915@microsoft.UUCP> <4143@altos86.Altos.COM>
<1990Oct4.002920.560@mthvax.cs.miami.edu>
Organization: AT&T Bell Laboratories, Naperville, IL
Lines: 24
Posted: Fri Oct 5 00:19:14 1990

In article <1990Oct4.002920.560@mthvax.cs.miami.edu>, wb8foz@mthvax.cs.miami.edu
(David Lesher) writes:
> There is one problem with getting an S-line, and it won't get any
> better: tubes....

The other problem is if you get a 32S? or 73S? with a worn out
PTO or a bum rotary switch. I spent several days in grad school
replacing these switches -- you know, the switched with 6.02 x 10**23
contacts.

The Purdue ARC had wisely ordered new replacements from Collins
in the mid 1970s. Even then they were expensive, and they sat
in the closet for a few years waiting until for installation.
I drew a complete wiring diagram for each switch (noting wire colors)
before snipping the first wire.

It took a lot of work, but was somehow worth it. Those S-Line radios
just oozed quality.

My personal CW receiver preference was for the Drake R-4C over the 75S3
series, but I liked the Collins 32S transmitter over the T-4XC due to
ease of tuneup and a fondness for 6146s.

--

==
Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihlpy!parnass (708)979-5414

From 1221811909772213457
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,351a5595ce829722,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 16:35:50 PST
Path: gmdzi!unido!mcsun!uunet!know!samsung!cs.utexas.edu!oakhill!val!ben
From: ben@val.com (Ben Thornton)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TH-75A - AAAAARRRRRRGGGGHHHHH!!!
Keywords: memory
Message-ID: <1990Oct4.233550.25646@val.com>
Date: 4 Oct 90 23:35:50 GMT

References: <87494@aerospace.AERO.ORG>
Organization: Video Associates Labs
Lines: 27
Posted: Fri Oct 5 00:35:50 1990

obrien@aero.aero.org (Michael O'Brien) writes:

>I can't believe this. Is there really NO WAY to clear a memory location
>in the Kenwood TH-75A dual-bander other than reinitializing the
>microprocessor and dumping ALL the memories? WHAT A CROCK! Is there
>more of this sort of thing? Is that why no one talks about this
>radio much in this group?

>HELP!

I too have had no luck doing this. If anyone knows the magic key
combination that allows removing a memory, please share this with
us...

IMHO, this is a minor nit, however. I am quite happy with the
radio in almost every other respect. The main gripe I have is
the outrageous prices Kenwood charges for their battery packs...

>--
>Mike O'Brien
>obrien@aerospace.aero.org

```
--
Ben Thornton             packet:  WD5HLS @ KB5PM   Internet:  ben@val.com
Video Associates           uucp:  ...!cs.utexas.edu!val!ben
Austin, TX              fidonet:  1:382/40 - The Antenna Farm BBS
```

From 1304626058294098000
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f2bec5dbeb275ff,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 17:11:15 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!princeton!udel!wuarchive!decwrl!
synoptics!jkaidor
From: jkaidor@synoptics.COM (Jerome Kaidor)
Newsgroups: rec.ham-radio
Subject: Re: Novice test code requirement... Aga
Message-ID: <21989@mvis1.com>
Date: 5 Oct 90 00:11:15 GMT
References: <121355@<90269> <30500754@ux1.cso.uiuc.edu>
Organization: SynOptics Communications Inc. Mountain View, Ca.
Lines: 9
Posted: Fri Oct 5 01:11:15 1990

Here's some fat for the code test/difficulty fire: a year or so

ago, I met someone who had learned the code in the military. He told
me that 25 WPM was the _ENTERING REQUIREMENT_ for the radioman school,
and that it was held that even people who were NO GOOD AT CODE could
attain it. People who were good at code could aspire to yet higher
speeds....

- Jerry Kaidor, KF6VB

From 8805195163578794507
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,70667ac26f6290f9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 20:35:53 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!hplabs!hpcc05!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Mod for IC-3200A to tune to 430 MHz?
Message-ID: <27080016@col.hp.com>
Date: 4 Oct 90 11:27:23 GMT
Organization: HP Colorado Springs Division
Lines: 12
Posted: Thu Oct 4 12:27:23 1990

Anyone have a Mod for allowing an ICOM IC-3200A to operate
down to 430 MHz? Please e-mail to me.

```
--------------------------------------------------------------------
Bob Witte              HP Colorado Springs Division
bobw@col.hp.com        P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO  80901
Radio: KB0CY
"I absolutely hate people who are intolerant."
--------------------------------------------------------------------
```

From -8912046450609762 95
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d5f65a1e94c35aff,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,d5f65a1e94c35aff,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,d5f65a1e94c35aff,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-10-04 20:48:42 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!rutgers!ka2qhd!ka2raf
From: ka2raf@ka2qhd.UUCP (Chris Crosby KA2RAF)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio
Subject: WANTED: 88-108 Mhz Exciter w/Stereo generator
Keywords: w or w/o stereo assembled or schematic info
Message-ID: <351@ka2qhd.UUCP>

Date: 5 Oct 90 03:48:42 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 14
Xref: gmdzi rec.radio.shortwave:2323 rec.ham-radio.swap:665 rec.ham-radio:15457
Posted: Fri Oct 5 04:48:42 1990

A couple months ago, I posted a request for a VOX circuit. I would like to thanks those who helped me find that info I was looking for.

I am now looking for a used FM band exciter (88-108 Mhz) and a stereo generator or schematic and construction information for such devices. Used devices would have to be cheap and working. The schematics would have to be solid state and of recent vintage. ANY help would be appreciated! You can mail any info to:

P.O.Box 1286
Lakewood, NJ 08701

Thanks!

From -4721377434075620832
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c52d325882f8234,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,8c52d325882f8234,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-10-04 21:14:28 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!rutgers!ka2qhd!ka2raf
From: ka2raf@ka2qhd.UUCP (Chris Crosby KA2RAF)
Newsgroups: rec.ham-radio.swap,rec.ham-radio
Subject: WANTED: Mods for Kenwood TM-621 and TM-731
Keywords: General Cov. Transmit
Message-ID: <352@ka2qhd.UUCP>
Date: 5 Oct 90 04:14:28 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 16
Xref: gmdzi rec.ham-radio.swap:666 rec.ham-radio:15459
Posted: Fri Oct 5 05:14:28 1990

I am looking for general coverage transmit mods for both the Kenwood TM-621 and TM-731. The mod for the 621 is a specific one. The 621 will transmit up to 151.995 with the mere CAP mod. I am in search of the mod to go above 152 (to about 155.00 MHz). Now I am aware the the 721 will go the full swing when 2 shorts are applied to the board which is behind the front panel.
I have attempted this same mod to the 621 and it does not work at all.
If anyone knows if the shorts are different in the 621 or of another process to extend it I would appreciate it.
With regard to the 731, I am interested in the mods for both UHF and VHF.

Any other mods would also be appreciated. If you can help me, please
contact me here or at PO Box 1286
Lakewood, NJ 08701

Many thanks, Chris

From 3742698870133087874
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 21:57:48 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Message-ID: <260@bongo.UUCP>
Date: 5 Oct 90 04:57:48 GMT
References: <30583@netnews.upenn.edu>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 26
Posted: Fri Oct 5 05:57:48 1990

How wonderful it must befor all the parochial types that have a local repeater and are initiated in the secret access codes of the autopatch. But there is one thing that the amateur radio service does not have, despite all the saving lives chatter. Funny though cos CB has it, as do ships and aircraft.

What do we lack? A distress frequency. One that works across the U.S., so if I fall in a hole in Chicago I can get help without having to make friends first.

I bring this up every now and again and am usually ignored. Kinda nice to know though that my pilot doesn't have to look through his Jeppesens to find a tower freq when the plane starts making funny noises. Must be comforting for ships' officers too not to have to try and read the pilot as waves crash across the bow and flames leap up the superstructure. Those sailor boys even got a Morris distress freq - Now there's an idea that might catch on.

Yours, probably the only amateur without a local repeater where they talk to me.
--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From 7425784103624297689
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,c52eca1ad9d25d92,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 00:31:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!decwrl!bacchus.pa.dec.com!lolops.ucs.dec.com!bernard
From: bernard@lolops.ucs.dec.com (Dave Bernard)
Newsgroups: rec.ham-radio
Subject: 10meter HT: Who makes 'em?
Message-ID: <1990Oct4.202353.19029@wrl.dec.com>
Date: 4 Oct 90 20:23:53 GMT
Sender: news@wrl.dec.com (News)
Reply-To: bernard@lolops.ucs.dec.com (Dave Bernard)
Organization: Digital Equipment Corporation
Lines: 5
Posted: Thu Oct 4 21:23:53 1990

Does any manufacturer still offer a handheld 10 meter rig? Any idea what the general specs are?

Dave N8IPZ

From 7720168936733248317
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f2bec5dbeb275ff
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 03:02:51 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Novice test code requirement... Aga
Message-ID: <30500754@ux1.cso.uiuc.edu>
Date: 4 Oct 90 22:00:00 GMT
References: <121355@<90269>
Lines: 81
Nf-ID: #R:<90269:121355:ux1.cso.uiuc.edu:30500754:000:4213
Nf-From: ux1.cso.uiuc.edu!phil   Oct 4 17:00:00 1990
Posted: Thu Oct 4 23:00:00 1990

> After all of the anti-Morse flames, I found it refreshing to hear from a
> newcomer who found the code test an interesting challenge, and not something
> to be totally OUTRAGED about.

That aspect of his post was interesting. I am all for anyone choosing a challenge, and pursuing it the best that they can. But I hold just as much respect for someone who can recognize what they cannot achieve, and not wasting their own time in futile attempts. However not everyone has the ability to know exactly what they can and cannot do, and certainly no one knows these things about everyone else.

```
> Of course, some folks just can't sit still while an opinion like this
> is expressed.  I have found in the past that when I express the opinion
> on rec.ham-radio or fidonet that I like Morse, and don't consider an
                                (1)^^^^^^^^^^^^   (2)^^^^^^^^^^^^^^^^^
> exam such an OUTRAGE, I usually get some flames from people who act as
  ^^^^^^^^^^^^^^^^^^^^
> if *I* invented the code test!  They usually take this misconception
> rather personally, as though to have an opinion on anything somehow
> is directed toward THEM.
```

There is absolutely nothing wrong with Morse Code, or as you mention in number (1), liking Morse Code.

There is also nothing wrong with having a Morse Code exam, as you mention in number (2).

However, the above two issues have NOTHING TO DO WITH the issue that has usually brought about the debate and the flames.

```
The outrage is in actually requiring someone to take and pass one of those
    ^^^^^^^(my opinion)
Morse Code tests just to get access to a controlled public resource when
the code is not an essential skill to make proper use of that resource.
```

If you disagree with the above statement I made, then that is the difference in our opinions. The communications of these opinions is made difficult by the confusion between the different subissues. For instance, people seem to be associating:

```
        "I like Morse Code"  <==>  "Let's keep the code requirement"
        "I hate Morse Code"  <==>  "Let's get rid of the code requirement"
```

and these associations are TOTALLY INCORRECT. The same applies with the matter of whether or not Morse Code is easy.

I believe it is these types of issue-confusions that make not only ham radio related issues difficult to understand or resolve, but also affect major general issues like abortion, pornography, gun control, difficult to deal with.

In the abortion arena, I am BOTH Pro-Choice AND Pro-Life. These are NOT conflicting positions, but most people think they are and they are thus confused, not just on what my opinion/position is, but on what the issues are and how they relate to each other. [ask me more by email if confused]

Most of you are fully aware that my position is in favor of a "code free" ham radio license. However, that does NOT mean I am in any way against code. The term "no code" is probably THE major culprit in the many misunderstandings that have taken place in this matter. What the words mean in English does not describe the people that believe in the position that it is often labeled as.

Tad, please let us know what you do believe in; what your opinions are.

Opinions themselves are not subject to debate, because they represent what you are, and that is simply fact about you. What could be subject to debate are the facts you might use in support of your opinion. Some might believe the fact to be in error, or that they do not apply. More often there are many facts tugging the issue in many directions, and the weights we apply to each are the big differences. Those who disagree with your opinions might believe you based them without the benefit of fact. If you want to do that, that's your right. If you have used facts and logic as your basis, stating them can preempt debate on lack of facts.

There is probably no way to avoid any debate as long as a difference of opinion exists. Some of us are hoping to converge on a common understanding. That is possible even with no change in opinion.

```
--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.
```

From -7665378806598105514
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,189e2b690d93df6d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 06:04:27 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!rutgers!netnews.upenn.edu!
eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Mods for Kenwood TM-411A?
Message-ID: <30612@netnews.upenn.edu>
Date: 4 Oct 90 22:47:02 GMT
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 12
Posted: Thu Oct 4 23:47:02 1990

Does anyone know of any mods for the Kenwood TM-411A? In particular, expanding receive coverage from 438-450 MHz to 430-450 MHz, or even wider? There's one obvious problem - it only has a '1s' MHz digit and uses a small LED to indicate the 43x MHz range.

```
                                 --- Jeff
--
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
Jeff DePolo  N3HBZ              Twisted Pair: (215) 386-7199
depolo@eniac.seas.upenn.edu     RF: 146.685- 442.70+ 144.455s (Philadelphia)
University of Pennsylvania      Carrier Pigeon: 420 S. 42nd St. Phila PA 19104
```

From -3309518072475593007
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,699517a940fa9124,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 06:21:56 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!ucbvax!THESIS1.HSCH.UTEXAS.EDU!jmaynard
From: jmaynard@THESIS1.HSCH.UTEXAS.EDU (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: What not to do on an accident scene
Message-ID: <9010050004.AA20869@ucsd.edu>
Date: 5 Oct 90 00:04:07 GMT
References: <9010041830.AA25234@ucsd.edu>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 33
Posted: Fri Oct 5 01:04:07 1990

Jeff DePolo, N3HBZ, writes:
> About three weeks ago, we had a member join one of the repeaters that our
> club co-sponsors. Only a week after receiving his membership package,
> which included the autopatch codes, he was driving up the Northeast extension
> of the Pennsylvania turnpike in a 2m-equipped tractor trailer. About
> 30 miles from the repeater, he witnessed a rather wicked accident which
> resulted in one of the cars involved flipping over numerous times.
> He stopped, and was able to pull one of the victims out of the car,
> but the other was still pinned inside, unconscious. [...]

[paramedic mode on]
While I think that it's great that the patients survived, reading this
produced only one thought:

PLEASE DON'T REMOVE PEOPLE FROM WRECKED CARS!!!!!

Doing so without proper training can make whatever injuries the patient has
much, much worse. It's far better to leave them wherever they are until
trained personnel can stabilize them and move them safely. The only time you
should move an injured person is if they are in immediate danger, like the
car being actually on fire, or about to slide off of a cliff. Note that
merely leaking fluid does not mean the car is in immediate danger; more
often than not, that fluid is radiator coolant or battery acid. Cars simply
don't blow up like they do after every accident on TV. If in doubt, DON'T.
[paramedic mode off]

Having said that, I agree: that kind of thing is what ham radio is all about.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu  | adequately be explained by stupidity.
"It's a hardware bug!" "It's a    +-------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_
```

From -1613573058903951638
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-10-05 06:28:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Summary: What SAREX is about
Message-ID: <332@ultrix.uhasun.hartford.edu>
Date: 5 Oct 90 13:28:53 GMT
References: <memo.468039@lynx.northeastern.edu> <45339@apple.Apple.COM> <4145@altos86.Altos.COM>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 52
Posted: Fri Oct 5 14:28:53 1990

In article <4145@altos86.Altos.COM>, jerry@altos86.Altos.COM (Jerry Gardner) writes:
> In article <45339@apple.Apple.COM> winter@Apple.COM (Patty Winter) writes:
> >In article <memo.468039@lynx.northeastern.edu> sehrlich@lynx.northeastern.edu writes:
> >>1) Does anyone know what the deal is with the STS-35 shuttle mission?
> }>I'd like to get involved with the SAREX mission from the Amateur Radio
> }>Club at my school (Northeastern University, Boston, Mass.)
> }
> }The slots for two-way contacts with Ron Parise were filled long ago,
> }but anyone who likes can listen to his transmissions on 2 meters.
> }Since you're 'way far north, that might be a problem, as the inclination
> }of this mission's orbit will put it out of range for much of the U.S.
> }You might be able to get in on the listen-only patches from the
> }southern hemisphere stations to the Telebridge system. I don't know
> }whether the ARRL is accepting more applications for this, but you
> }could call them and ask.
>
> You're joking, right? Slots for two-way contacts? What is this, a
> sked-only operation? Who came up with this brain-dead idea?

I see that Patty has supplied answers, so I'll just expand on the last question: I did. Not alone, but in concert with the SAREX Working Group, with the strong support of Ron Parise and the other ham astronauts and that of the NASA Public Affairs people (who are largely responsible for SAREX being aboard the Shuttle at all).

The point behind SAREX is: 1) to promote amateur radio to the public, and 2) to promote the manned space program. (You can guess which of these is ARRL's and AMSAT's interest and which NASA's!) We (the Working Group) came to the conclusion that the best way of doing that was to ensure school participation in the program. Contacts by individual amateurs from their basements are a secondary function inasmuch as they do considerably less to promote A.R. and the space program. Aside from the desire to get the "biggest bang for the buck," so to speak, we had some concern as to how much support we would continue to get from NASA if the project addressed only the (limited in numbers) ham community. But the ham community hasn't been ignored; if you want a SAREX QSL, you can get one by making a packet connection. It shouldn't be too hard.

There is nothing wrong with "regular" QSOs on an as-time-permits basis. But on STS-35 there will be very little time available when the Shuttle is over the U.S. STS-37 should be better in this regard, and we have prospects for even better setups on later flights. (For example, one future flight has _four_ currently licensed hams scheduled to be aboard, with another crew member possibly working on getting licensed. The Johnson Space Center ARC has done a superb job getting the crew members interested and licensed.) So I suspect that you'll have more and better opportunities in the future.

--
Jon Bloom, KE3Z | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu |
Snail: 225 Main St., Newington, CT 06111 | "I have no opinions."

From 3815542751138516689
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 06:45:04 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: (none) (really: STS35)
Message-ID: <334@ultrix.uhasun.hartford.edu>
Date: 5 Oct 90 13:45:04 GMT
References: <4145@altos86.Altos.COM> <memo.468039@lynx.northeastern.edu> <1990Oct4.191850.24371@portia.Stanford.EDU>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 65
Posted: Fri Oct 5 14:45:04 1990

In article <1990Oct4.191850.24371@portia.Stanford.EDU>, paulf@jessica.stanford.edu (Paul Flaherty) writes:
> In article <1990Oct4.091518@ultnix.enet.dec.com> taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber) writes:
> >Yup, sked-only. Nope, not brain-dead. It has always been up to any given ham
> >who they want to talk to and how they want to do it. In this case, Parise
> >wants to talk to school kids and scheduled particular slots of time to do it in
> >so they can know when they'll be able to talk. That's his right. Of course
> >hams who don't like it can always QRM the transmissions to show kids what ham
> >radio is all about...
>
> Odd, according to my tracker hack, all of the passes close to North America
> occur between 11pm and 7am (PDT). Now, unless they have radically changed
> grade and high schools since when I was a kid (not that long ago), no school
> will be in session in North America, and most of those kids will be fast
> asleep. So I fail to see a collision of interests there.

But the primary mission, ASTRO, is scheduled for those periods. It's an
astronomy mission that prefers to see the night sky, so nighttimes are
pretty well taken up with ASTRO. (Ron, WA4SIR, is a payload specialist,
meaning his main job is operating the ASTRO payload. SAREX is very much
secondary.) The reason AMSAT has coordinated worldwide relay to the
schools is because Ron's SAREX time is mostly when he's on the other side
of the world!

> Why wasn't that schedule ever posted here? All of the AMSAT bulletins I've
> seen make no reference to slotting; in fact, the only references were to
> operation from private stations. If there are some reserved slots, it would
> be the proverbial Good Thing to publicise them.

But I think if you look closer you'll see that the private-station operation
referred to was the packet operation.

> >On the other hand, there's always the packet robot for those of us without a
> >sked.
>
> Such packets might be music to your ears and mine, but not to the schoolkids
> you'll be QRMing, as the robot and Ron are operating on the same frequency
> (albeit not the same time). Check out the MET schedule, and then listen
> before hammering at the TNC.

It's always a good idea to listen before you transmit, but in fact a
600 kHz offset is being used between the SAREX transmit and receive
frequencies. (Don't forget to set the "-600" mode on your rig...)
Other terrestrial users would definitely appreciate our not transmitting
when the shuttle is not in view or not in packet mode, however.

> Observation:
>
> What we have here is....failure....to communicate. With all of the STS35
> launch attempts, some of the details have obviously slipped through the
> cracks. It would be a Good Thing if, in the interim, somebody were to
> take all the existing bulletins, integrate, filter, and amplify them.

It may be that recent bulletins haven't stressed this point, but I'm
sure earlier ones (like last spring) gave the schedule. Maybe a repost
is needed. Also I think the information in QST made it clear that there
would be few opportunities for non-school voice/SSTV contacts. Again,
that was published last spring (actually, I think it was February), so
it may not have been remembered. I think you're right--the multiple
delayed launch attempts have gummed up the works.

--
Jon Bloom, KE3Z | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu |
Snail: 225 Main St., Newington, CT 06111 | "I have no opinions."

From -8629243224740808407

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,70596803f7a0430c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 06:49:43 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!wuarchive!udel!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: Auto Alarm Remotes
Message-ID: <54.270BDCD9@rochgte.FIDONET.ORG>
Date: 4 Oct 90 16:19:29 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 18
Posted: Thu Oct 4 17:19:29 1990

> From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
>
> BTW, what's stopping car thiefs who are aware of Lo-Jack from buying
> a $200 frequency counter from checking for 900 MHz signals?

Maybe it's the fact that Lo-Jack operates on 173.something MHz.
Now we can ask, what is keeping them from buying a frequency counter,
or using the portable scanner that all those criminal types have ;-)
to monitor the nationwide Lo-Jack frequency?

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From -3433307302681498939
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 06:50:37 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!wuarchive!udel!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <55.270BDCDA@rochgte.FIDONET.ORG>
Date: 4 Oct 90 16:25:32 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 43

Posted: Thu Oct 4 17:25:32 1990

> From: sehrlich@lynx.northeastern.edu
>
> I have a few questions. Any answers?
>
> 1) Does anyone know what the deal is with the STS-35 shuttle mission?

Postponed until at least November due to unresolved Hydrogen leaks in the orbiter aft compartment. Discovery now has launch priority and at this writing is in the countdown process on Pad 39B.

> 2) I finally passed my Novice and Technician exams! (Four days apart from each other). Does anyone know what the call signs being given in ITU region 1 are at the Extra level? If I am able to go for my Extra by the end of this year, or early next year, will I receive a 2x1/1x2 or 2x2 call?

Congratulations. I don't believe the USA is in ITU Region 1. I'm pretty sure we are in Region 2. In any case, it's not the ITU that issues amateur callsigns to individual stations. The FCC still has plenty of callsigns left in the 1st Call District, which is what I presume you really meant. Better study the regulatory structure just a little harder. This is not a flame or put-down. One of the major arguments against entry-level licenses is that people can get on the air without knowing some of the basics.

> 3) Does anyone know HOW radio amateurs became known as 'Hams'?
> Is there a rational reason for the term?

Hey, that's two questions! ;-)

Lots of people claim to "know" the origin of the term "ham" but they all have different stories. Rational? Dunno...

73 de Dave, NF2G

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From -1472175236433822832
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cb321d923989a479,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 06:53:23 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!wuarchive!udel!rochester!

uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!
David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: Funny Airline Numbers
Message-ID: <56.270BDCDC@rochgte.FIDONET.ORG>
Date: 4 Oct 90 16:31:04 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 17
Posted: Thu Oct 4 17:31:04 1990

> From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
>
> Indianapolis Air Route Traffic Control Center, also located at the
> airport, has an _enormous_ HF log-periodic beam on an extensible
> tower. Wonder what it's for? I know that overseas ATC uses HF SSB,
> but I think Indianapolis Center handles handles only domestic traffic.

It may be for the FAA's domestic HF backup network.

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From 4273412936179928310
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4dc990c24dc3c4e1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 06:58:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Ouch! ARRL takes a deeper bite....
Message-ID: <335@ultrix.uhasun.hartford.edu>
Date: 5 Oct 90 13:58:09 GMT
References: <53.270BDCD7@rochgte.FIDONET.ORG>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 37
Posted: Fri Oct 5 14:58:09 1990

In article <53.270BDCD7@rochgte.FIDONET.ORG>, David.Stark@f218.n260.z1.FIDONET.ORG (David Stark) writes:
[deleted text]
>   FWIW, I have been an ARRL member since 1981 (my first year
> licensed) and have just renewed my own membership. I am annoyed at

> the Board minutes in last month's issue detailing the creation of
> several new paid staff positions at HQ. I don't recall being asked if
> I wanted to hire anybody else.
>   If somebody can point out a reference in QST where members were
> _asked_ in advance about adding more salaries to the ARRL budget,
> please do so. I will then take a hunk of humble pie into my library
> to read it.

No, you weren't asked. The ARRL is not a pure democracy but a representative democracy. That means you vote for the candidate for Director who most appeals to your Amateur Radio goals. What's that you say? There was only one candidate for Director in your division? Hmmm...makes you wonder how committed the complainers really are, doesn't it? It's not that hard to become a candidate: just get a petition signed by ten (!) ARRL members of your division.

It's by no accident that the form of representation of ARRL is somewhat like that of the U.S. Government (among other semi-respected organizations). It's the most workable system yet discovered. But like government, it depends on the participation of the people. All too few ARRL members participate. (Of course, nonmembers can't paticipate at all. Oddly, some of them take great pride in their nonparticipation.)

Oh, by the way, ARRL HQ has fewer staff now than it did a few years ago. Times are tight, and staff cuts save money. ('Course, services are reduced, too.) I don't recall hearing you complain about not being consulted when the cuts were made...

```
--
Jon Bloom, KE3Z                              | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu         |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

From -1688339620746078947
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4dc990c24dc3c4e1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 06:59:57 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!udel!rochester!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: Re: Ouch! ARRL takes a deeper bite....
Message-ID: <53.270BDCD7@rochgte.FIDONET.ORG>
Date: 4 Oct 90 16:16:29 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 27
Posted: Thu Oct 4 17:16:29 1990

> From: mrapple@quack.sac.ca.us (Nick Sayer)
>
> Anyone want to see my QSL card? :-} [evil grin]

Let me guess. It has an ARRL diamond enclosed in a circle with a slash bar across the middle. ;-)

FWIW, I have been an ARRL member since 1981 (my first year licensed) and have just renewed my own membership. I am annoyed at the Board minutes in last month's issue detailing the creation of several new paid staff positions at HQ. I don't recall being asked if I wanted to hire anybody else.

If somebody can point out a reference in QST where members were _asked_ in advance about adding more salaries to the ARRL budget, please do so. I will then take a hunk of humble pie into my library to read it.

73 de Dave, NF2G

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From -3916547827796295106
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1ab73dc1060ca267,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 09:56:07 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!sdd.hp.com!zaphod.mps.ohio-state.edu!ub!uhura.cc.rochester.edu!ee.rochester.edu!rochgte!f218.n260.z1.FIDONET.ORG!David.Stark
From: David.Stark@f218.n260.z1.FIDONET.ORG (David Stark)
Newsgroups: rec.ham-radio
Subject: ARRL policy
Message-ID: <58.270D8298@rochgte.FIDONET.ORG>
Date: 5 Oct 90 16:56:07 GMT
Sender: ufgate@rochgte.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:260/218 - NF2G Online, Hilton NY
Lines: 25
Posted: Fri Oct 5 17:56:07 1990

> From: oo7@ut-emx.uucp (Webster Smogpule III)
>
>   If somebody can point out a reference in QST where members
> were _asked_ in advance about adding more salaries to the ARRL
>

> ---------------------------
> Well, what's the alternative? You want them to mail a letter to each of,
> what, 200000 members to ask about it? They'd have to supply the

Nope. Read it again. I asked for any reference to notifying
the members in the pages of QST.

> And anyway, how can you *read* humble pie? (a low blow,
> admittedly...)

Hee, hee, hee. That was a poor sentence, wasn't it. ;-)

--
%
David Stark - via FidoNet node 1:260/230
UUCP: ...!rochester!ur-valhalla!rochgte!218!David.Stark
INTERNET: David.Stark@f218.n260.z1.FIDONET.ORG
%

From -1152334000313246758
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f19fda655387ecd1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 09:59:41 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!decwrl!ucbvax!ucsd!network.ucsd.edu!brent
From: brent@network.ucsd.edu (Brent Jones)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TH-75A - AAAAARRRRRRGGGGHHHHH!!!
Keywords: memory
Message-ID: <3815@network.ucsd.edu>
Date: 5 Oct 90 00:59:17 GMT
References: <87494@aerospace.AERO.ORG>
Organization: Ich geh' kaput. Gehst du mit?
Lines: 7
Posted: Fri Oct 5 01:59:17 1990

In article <87494@aerospace.AERO.ORG> obrien@aero.aero.org (Michael O'Brien)
writes:
>I can't believe this. Is there really NO WAY to clear a memory location
>in the Kenwood TH-75A dual-bander other than reinitializing the...

Use the memory lockout feature for scanning and it will essentially
accomplish the same thing. And keeping the data still in the memory
doesn't make the radio THAT much more heavy.

From 5175952920310867128
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d63d271ef07e07fc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 10:37:07 PST

Path: gmdzi!unido!mcsun!uunet!bu.edu!mirror!necntc!necis!rbono
From: rbono@necis.UUCP (NM1D)
Newsgroups: rec.ham-radio
Subject: Re: IC24 offset
Message-ID: <1398@necis.UUCP>
Date: 5 Oct 90 17:37:07 GMT
References: <53.UUL1.3#1@vortex.COM>
Organization: NEC Technologies, Inc., Boxborough, MA
Lines: 30
Posted: Fri Oct 5 18:37:07 1990

In article <53.UUL1.3#1@vortex.COM>, lauren@vortex.COM (Lauren Weinstein) writes:

> Is there any known way to get the IC24 to accept a repeater offset
> in other than 25khz steps? There are a number of repeaters with
> oddball offsets and as it stands there doesn't seem to be a way to
> deal with them (using only one radio, anyway...) Thanks much.
>
> --Lauren--

Yes... just use the 'func-set' button, and then choose the desired step size that you would like, in the amateur bands you have the choice of 5, 10, 12.5, 15, and 25 KHz (maybe even 50KHz, I am doing this from my memory, and may be slightly off)... Note that you may have to use the up/down arrows (or is it the vfo knob, again with the memory problems) to choose the step size parameter. I think (again) that the tuning step size is shown with the mnemonics 'TS' in the display... consult your manual (it is in there).

The radio is realy versatile (sp?), you can change almost anything (when operating in the amateur bands, for some reason during 'out of band receiving' the step size does not allow as great a selection (I have noticed this in the 220 MHz and 8xx MHz range).

Hope this helps,

Rich (NM1D)

```
 /***************************************************************************\
 * Rich Bono (NM1D)    If I could only 'C' forever!!    rbono@necis.nec.com *
 * (508) 635-6300          NEC Technologies Inc.               NM1D@WB1DSW *
 \***************************************************************************/
```

From 6062081663589500813
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1ab73dc1060ca267
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 10:50:41 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Webster Smogpule III)
Newsgroups: rec.ham-radio
Subject: ARRL policy
Keywords: so what should they do?

Message-ID: <37916@ut-emx.uucp>
Date: 5 Oct 90 01:31:54 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 31
Posted: Fri Oct 5 02:31:54 1990

David.Stark@f218.n260.z1.FIDONET.ORG (David Stark) complains:

FWIW, I have been an ARRL member since 1981 (my first year licensed) and have just renewed my own membership. I am annoyed at the Board minutes in last month's issue detailing the creation of several new paid staff positions at HQ. I don't recall being asked if I wanted to hire anybody else.

If somebody can point out a reference in QST where members were _asked_ in advance about adding more salaries to the ARRL budget, please do so. I will then take a hunk of humble pie into my library to read it.

73 de Dave, NF2G

Well, what's the alternative? You want them to mail a letter to each of, what, 200000 members to ask about it? They'd have to supply the return postage, otherwise you'd complain about that, so 200000 round-trips is about $100,000 spent polling the members about a (guessing) $20,000 job at ARRL HQ?   It's like electing a gumment and then complaining about what they do once they are in power (I know, there's no opposition party in this case, but we vote for the guys that make the decisions).

And anyway, how can you *read* humble pie? (a low blow, admittedly...)

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From -3126491658248537689
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,59eaf975ab506b47,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,59eaf975ab506b47,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-10-05 11:04:47 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!ucsd!nosc!crash!guhsd000@crash.cts.com
From: guhsd000@crash.cts.com (Paula Ferris)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Bendix/King HT
Message-ID: <4816@crash.cts.com>
Date: 5 Oct 90 01:47:21 GMT

Sender: root@crash.cts.com
Organization: HALE Telecommunications, San Diego
Lines: 33
Xref: gmdzi rec.ham-radio:15394 sci.electronics:8969
Posted: Fri Oct 5 02:47:21 1990

Query: The location of any fusible links, or diodes used as such.

I'm hoping someone in net land can help me with this, as there are a few at least out there with some cardnial knowledge on Bendix/King handy talkies, as the manufacturer obviously enjoys the right to not make such details known to the general electronics populus.

(As near as I can tell) I tapped 2 contacts on the 8 pin port of a Bendix/King HT while releasing 2 contacts used for programming. The Bendix went to sleep; But I don't think any IC went, as it plain shutdown, no brain damage noted. (Tones, faulted display, gentle smoking, etc)

I was told there was a thin wire used as such a fuse, nothing found matching that idea, the battery pack is fine, and the circuty from the battery to switch (as well as PC board) is complete. I haven't located any part matching the stadard Buss surface mount fuses. (Yes, the whole radio is surface mount components, double sided boards, populated on both sides, IE Simple Repair Hell.)

While I'm on the subject, anyone know of any modifications to this radio, or keypad & non-standard programming tricks (like holding keys at powerup, like many 2m HTs?)

Hale Telecommunications Incorperated - KKLR & KALE

UUCP: (cbosgd, sdcsvax, nosc)!crash!guhsd000
ARPA: crash!guhsd000@nosc.mil
INET: guhsd000@crash.CTS.COM
RF : DC to Light

"...and hit him with the heaviest thing he could find, the current volume of FCC Regulations...Uncle Mouth fell dead." - V. of Laryngitis

From 7496049728419741098
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f2bec5dbeb275ff
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 14:22:11 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!snorkelwacker!apple!mips!swrinde!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: Novice test code requirement... Aga
Message-ID: <8829@helios.TAMU.EDU>
Date: 5 Oct 90 12:55:25 GMT

References: <90269> <30500754@ux1.cso.uiuc.edu> <21989@mvis1.com>
Sender: usenet@helios.TAMU.EDU
Reply-To: bill@platypus.uofs.edu
Organization: Computer Science Department, Texas A&M University
Lines: 25
Posted: Fri Oct 5 13:55:25 1990

In article <21989@mvis1.com> jkaidor@synoptics.COM (Jerome Kaidor) writes:
>
>   Here's some fat for the code test/difficulty fire: a year or so
>ago, I met someone who had learned the code in the military. He told
>me that 25 WPM was the _ENTERING REQUIREMENT_ for the radioman school,
>and that it was held that even people who were NO GOOD AT CODE could
>attain it. People who were good at code could aspire to yet higher
>speeds....
>
>   - Jerry Kaidor, KF6VB

I was a radio operator qualified in Morse Code when I was in the military
many moons ago. I went to the school twice over a long period of time.
The requirements in the army were not that high unless you showed aptitude
and got grabbed by the spooks. But as an interesting point as far as
who can and can't learn the code, the failure rate was better than 50%
and when you figure this was during the peak of Vietnam and the alternative
for a draftee who didn't make was straight into the Infantry, it appears
that even with a lot of incentive, a lot of people can't really do it.
By the way, 10WPM was enough to graduate from the school. If you were
good, they didn't hold you back and they did have qualifiers for people
who topped 20 WPM.

bill   KB3YV
bill@platypus.uofs.edu

From 2748885881116827930
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56695760eb180348,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 14:22:12 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!mips!swrinde!
zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was
Message-ID: <1250243@hpnmdla.HP.COM>
Date: 5 Oct 90 02:15:49 GMT
References: <190.270A3504@w8grt.fidonet.org>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 23
Posted: Fri Oct 5 03:15:49 1990

> >My personal interpretation of this law is this. If I have my radio

> >with me and it can communicate with the authorities, then IS is THE
> >fastest means possible.
>
> Yes - but make sure that it's an emergency as defined in FCC rules. If
> the "injury" is a simple broken arm (i.e., non-life-threatening), the
> use.

It might be instructive to consider a slightly different situation.
You come upon a car accident involving a police car where the officer has been knocked unconscious. Do you reach into the police car, grab the mic, and call for help on the police radio?

My answer is NO, if I have two meters available, and YES if there is no other means of communication handy.

I think the bottom line is: Is this such a dire emergency that it will be worth it even if I get into trouble for it?

AL N1AL

From 4981517715328269429
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f6290dcc3b7278be,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 14:22:21 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!TOPS20.RADC.AF.MIL!DEFRANCO
From: DEFRANCO@TOPS20.RADC.AF.MIL (Carl DeFranco)
Newsgroups: rec.ham-radio
Subject: Code Test Gimmicks
Message-ID: <12627372285.13.DEFRANCO@TOPS20.RADC.AF.MIL>
Date: 5 Oct 90 14:27:38 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Fri Oct 5 15:27:38 1990

A couple of people have reacted less than maturely over the issue of code tests and whether copying dits and dahs, then translating is an allowable test method. Two points:

1. There is nothing in the testing rules I can find that prohibits this method. In fact, the elmer that helped me through the Novice code suggested that 5 WPM speed is slow enough to do it.

2. Regardless of a VE's motives, if he/she imposes a more strict requirement on code testing, and fails someone because he/she doesn't like their methods, he/she has exceeded their authority, and will likely do far more to damage the reputation of ham radio in the eyes of the non-ham community than they achieve by acting as VE's.

I think the idea of suing is ridiculous. We have enough frivolity in our civil courts now without adding this. As one person suggested, find another VE, or find someone in the examination chain to complain to. There is nothing to be gained for ham radio from having VE's, either old farts (or young farts) who are intent on "maintaining the purity of the code requirement."

Carl DeFranco
KB2JLY

From 7692740472272261330
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a50ae06947c5cd3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 14:22:46 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!ubc-cs!alberta!aunro!aupair.cs.athabascau.ca!lyndon
From: lyndon@cs.athabascau.ca (Lyndon Nerenberg)
Newsgroups: rec.ham-radio
Subject: Re: NEW CANADIAN LICENSING STRUCTURE--TODAY!!!
Message-ID: <334@aupair.cs.athabascau.ca>
Date: 5 Oct 90 01:12:57 GMT
References: <7213.27073d37@uwovax.uwo.ca> <331@aupair.cs.athabascau.ca>
Organization: Athabasca University
Lines: 679
Posted: Fri Oct 5 02:12:57 1990

A copy of the new DOC exam syllabus landed on my desk this afternoon. I had it scanned in, and I'm posting it here for general information purposes.

I don't want to re-open the no code debate, but I think the anti-no coders (phew!) would do well to take a look at the new certificates just brought in by the DOC.

[Any spelling or formatting errors are mine.]

Enjoy.

-------8<-----8<-----8<-----8<-----8<-----8<-----8<-----8<-----8<-----8<-----

Information on the Amateur Operators Certificate Examinations

RIC-24
Issue 2
July 1, 1990

Communications Canada
Radio Regulatory Branch
300 Slater Street
OTTAWA, Ontario
K1A 0C8

_G_E_N_E_R_A_L _I_N_F_O_R_M_A_T_I_O_N

The hobby of amateur radio, today more than ever, is an extension of scientific knowledge applied to telecommunications. The Department of Communications believes that amateur radio should be accessible, so that those who are interested in the science and art of radiocommunication may avail themselves of every reasonable opportunity to learn, enjoy and contribute to its progress.

The department also recognizes the necessity for amateur operators to have some technical and operating knowledge before being allowed on the amateur radio bands. This circular outlines basic information for individuals who wish to become amateur radio operators.

Anyone may become an amateur radio operator; there are no age or nationality restrictions. The best way to learn about amateur radio is to enroll in a class taught by amateur radio operators or clubs. Information on these courses is available from the three amateur associations listed below. Study guides, question banks, technical books, Morse code tapes and other publications relating to amateur radio, are available from these organizations for a fee.

Canadian Amateur Radio Federation
P.O. Box 356
KINGSTON, Ontario
K7L 4W2
Tel: 613-545-9100

Canadian Radio Relay League
Box 7009, Station "E"
LONDON, Ontario
N5Y 4J9
Tel: 519-660-1200

Radio Amateur du Quebec Inc. (RAQI)
4545 Pierre-de-Courbetin Avenue
P.O. Box 1000, Station "M"
MONTREAL, Quebec
H1V 3R2 Tel: 514-252-3012/252-3000 ext. 3422

While the scope and depth of the knowledge required are described on the following pages in general terms, the exact requirements for the various qualifications can be obtained by referring to the appropriate bank of questions.

Anyone may use an amateur radio station, provided a qualified operator is in attendance to pertorm the control functions. Getting to know radio amateurs in your area and practising on their stations is an excellent way to learn about operating practices, station assembly, regulations, radio frequency propagation, antennas and a host of directly related data.

_C_E_R_T_I_F_I_C_A_T_E_S _A_N_D _P_R_I_V_I_L_E_G_E_S

There is only one certificate available for the amateur service: the Amateur Operator's Certificate. The holder of this certificate may obtain as many as four levels of qualification. The Basic Qualification is required before an individual may operate an amateur radio station in Canada or hold a licence for such a station. The following paragraphs describe how to obtain each of the four levels of qualification and the privileges accorded to those who have reached these levels.

_P_L_E_A_S_E _N_O_T_E that no operating privileges are accorded the holder of the Morse Code Qualifications (5 w.p.m. and 12 w.p.m.) or the holder of the Advanced Qualification unless the holder also possesses the Basic Qualification.

_B_a_s_i_c _Q_u_a_l_i_f_i_c_a_t_i_o_n

Basic Qualification provides the foundation for operation in the amateur radio service. To obtain the Amateur Operator's Certificate with Basic Qualification, a candidate must successfully complete a theory/regulations/operating procedures examination.

The holder of the Amateur Operator's Certificate with the Basic Qualification may:

1. operate on all frequencies above 30 MHz, using all classes of emissions,

2. use a maximum of 250 watts DC transmitter input power, and

3. build and operate all station equipment except for "home-made" transmitters.

_M_o_r_s_e _C_o_d_e (_5 _w._p._m.) _Q_u_a_l_i_f_i_c_a_t_i_o_n

The examination for this qualification requires the candidate to be able to send and receive Morse code at a speed of not less than 5 words per minute.

The holder of this qualification enjoys all the privileges granted to those who have reached the basic level of qualification. In addition, he or she may operate in all amateur frequency bands below 4.0 MHz, using all classes of emissions.

_M_o_r_s_e _C_o_d_e (_1_2 _w._p._m.) _Q_u_a_l_i_f_i_c_a_t_i_o_n

The examination for this qualification requires the candidate to be able to send and receive Morse code at a speed of not less than 12 words per minute.

The holder of this qualification, in addition to the basic privileges, may operate on all amateur frequency bands below 30 MHz, using all classes of emissions.

_A_d_v_a_n_c_e_d _Q_u_a_l_i_f_i_c_a_t_i_o_n

Advanced Qualification is for those individuals who have an in-depth knowledge of electronics, a good knowledge of the various types of amateur equipment and an understanding of the functioning of circuits that will enable them to make repairs.

The holder of the Advanced Qualification, in addition to the basic privileges, may:

1. build and operate transmitting equipment,
2. use maximum transmitter power of 1000 watts DC input,
3. sponsor repeaters and club stations, and
4. remotely control fixed stations, including the use of radio links.

_E_X_A_M_I_N_A_T_I_O_N _R_E_Q_U_I_R_E_M_E_N_T_S

_B_a_s_i_c _Q_u_a_l_i_f_i_c_a_t_i_o_n

The theory questions in the Basic Qualification examination require basic component analysis. Other subjects are examined at the concept or system level, rather than at a detailed circuit analysis level.

_B_a_s_i_c _E_l_e_c_t_r_o_n_i_c_s

Candidates must:

1. understand the basic concepts and relationships of conductors, insulators, direct current, alternating current, electromotive force, resistance, power, capacitance, inductance, reactance, impedance and resonance;
2. be able to define Ohm's law and be able to do simple calculations using it;

3. be able to explain the function of a battery, a transformer, an AC power supply, and the basic blocks of a simple transmitter, receiver and transceiver; and

4. be able to identify diodes, transistors, integrated circuits and vacuum tubes, as well as the circuits for which they are used, and be able to describe their basic purpose.

_P_r_o_p_a_g_a_t_i_o_n _a_n_d _A_n_t_e_n_n_a _S_y_s_t_e_m_s

Candidates must be able to describe:

- sunspots, sunspot cycle, solar radiation, ionosphere, fading, absorption, refraction, radiation angle, multi-hop, MF/HF propagation, VHF/UHF propagation, transmission lines, antenna types, antenna impedance, standing wave ratio (SWR) and matching devices.

_l_n_t_e_r_f_e_r_e_n_c_e _a_n_d _S_u_p_p_r_e_s_s_i_o_n

Candidates must be able to:

1. describe and give examples of how to suppress front-end overload, audio rectification, harmonics, parasitics and intermodulation products;

2. explain the use and be able to show placement of low-pass, high-pass, band-pass and band reject filters; and

3. explain the purpose of shielding and how it is accomplished.

_S_t_a_t_i_o_n _A_s_s_e_m_b_l_y

Candidates must be able to:

1. explain the basic function of transmitters, receivers, transceivers, SWR bridges, power supplies, fuses, operational control settings and interconnecting cables;

2. explain how to achieve good grounding and lightning protection; and

3. show the proper position in relation to one another of the various pieces of equipment that may be found in an amateur radio station.

_O_p_e_r_a_t_i_o_n_s, _P_r_o_c_e_d_u_r_e_s _a_n_d _R_e_g_u_l_a_t_i_o_n_s

Candidates must:

1. be able to explain operational procedures for voice radiocommunications, Morse code transmission of messages, RTTY, AMTOR, packet transmission, repeater use, slow-scan and fast-scan television, as well as other modes of operation;

2. be able to explain the international and domestic regulations governing the operation of an amateur radio station;

3. demonstrate a good knowledge of the Q code signals described in Radiocommunication Information Circular 25 (RlC-25), which contains extracts from the Radio Regulations of the I.T.U., the Radiocommunication Act, and the General Radio Regulations, Part II, affecting the Amateur Service; and

4. be able to recognize the emergency signals and indicate what procedures should be followed in their use (distress and urgency).

_M_o_r_s_e _C_o_d_e (_5 _w._p._m.) _Q_u_a_l_i_f_i_c_a_t_i_o_n

Candidates must demonstrate their ability to send by hand and receive by ear, international Morse Code at a speed of not less than 25 characters per minute (Swords per minute) for a period of not less than three consecutive minutes.

_M_o_r_s_e _C_o_d_e (_1_2 _w._p._m.) _Q_u_a_l_i_f_i_c_a_t_i_o_n

Candidates must demonstrate their ability to send by hand and receive by ear, international Morse Code at a speed of not less than 60 characters in one minute (12 words per minute) for a period of not less than three consecutive minutes.

_A_d_v_a_n_c_e_d _Q_u_a_l_i_f_i_c_a_t_i_o_n

This examination focuses on circuits and components, rather than on systems.

_C_i_r_c_u_i_t _A_n_a_l_y_s_i_s

Candidates will be expected to explain the use and operation of: oscillators, radio frequency amplifiers, buffers, multipliers, mixers, intermediate frequency amplifiers, detectors, discriminators, audio frequency amplifiers, filters, speech amplification and processing as well as power supplies and regulation.

_T_r_a_n_s_m_i_t_t_e_r_s, _R_e_c_e_i_v_e_r_s, _L_i_n_e_a_r _A_m_p_l_i_f_i_e_r_s _a_n_d _M_o_d_u_l_a_t_i_o_n _T_e_c_h_n_i_q_u_e_s

Candidates must be able to:

1. describe transmitting, receiving and modulating principles for the following: continuous wave, single sideband, ACSB, AM, FM/PM, pulse, fast-scan and slow-scan television, RTTY, AMTOR, packet, translators, repeaters and satellites;

2. explain the terms sensitivity, selectivity, stability, noise figure and dynamic range;

3. explain in detail direct conversion and superheterodyne receivers; and

4. describe the use and operation of class AB1, AB2 and B linear amplifiers and class A and class C amplifiers.

_P_r_o_p_a_g_a_t_i_o_n _a_n_d _A_n_t_e_n_n_a _S_y_s_t_e_m_s

Candidates must be able to describe in detail:

- ionospheric layers, sporadic "E", aurora borealis, meteor scatter, EME transmission, tropospheric bending, VSWR, baluns, matching networks, transmatches, coaxial cables, balanced lines, velocity factor; dipole, Yagi quad and trap antennae; grounding, groundplane, virtual height, radiation resistance, mirror image, and other propagation-related information.

_T_e_s_t _E_q_u_i_p_m_e_n_t _a_n_d _C_o_n_s_t_r_u_c_t_i_o_n

Candidates must be able to explain the use or function of:

- multimeters, VSWR bridges, marker generators, frequency counters, dip meters, two-tone audio generators, dummy or artificial antennae, oscilloscopes, signal generators, attenuators, spectrum analyzers, and other test equipment.

_C_E_R_T_I_F_I_C_A_T_E _E_X_A_M_I_N_A_T_I_O_N_S

If candidates wish to be examined for the Basic or Advanced Qualification or to take the Morse code examinations given by a radio inspector, they must make an appointment at any district office of the Department of Communications. Some district offices prefer to give the examination at a school or meeting hall, especially when a group, such as an amateur radio class, is involved. However, small groups and individuals are usually examined at the local district office. A fee of five dollars ($5.00) is charged for each qualification when the examination is given by a department official. To find the district office nearest you, please refer to your telephone directory.

Where necessary, examiners can help and make special arrangements for candidates who have physical disabilities. It is much easier for all concerned if such requests are made when the appointment is made.

When an examination is failed because the candidate's language is neither English nor French, or because academic limitations restrict the ability to read the questions properly, an oral examination may be administered. A decision of this nature can be made only by a radio inspector.

Private groups, such as amateur clubs or organizations, may also give amateur certificate examinations. The department recognizes that when such private groups give the examinations, costs are incurred since they must procure facilities and provide the necessary services. The department understands the need to recover costs, but wishes to underline that these charges are not levied on behalf of the department.

_W_R_I_T_T_E_N _E_X_A_M_I_N_A_T_I_O_N_S

For a written examination, each candidate will be supplied with a booklet containing the questions, formulae as required, and an answer sheet. The candidate must supply name, address and other related information. The candidate may use mathematical tables and/or a non-programmable calculator to complete the examination, but these will not be supplied by the examiners.

Before the examination begins, the examiner will allow a few minutes for briefing purposes. After the examination begins, no questions will normally be permitted. The pass mark is 60 percent.

_B_A_S_I_C _Q_U_A_L_I_F_I_C_A_T_I_O_N _E_X_A_M_I_N_A_T_I_O_N

The examination is comprised of 100 multiple choice questions. At least 25 of these are based on domestic and international regulations; the remainder on test theory and operating procedures.

_A_D_V_A_N_C_E_D _Q_U_A_L_I_F_I_C_A_T_I_O_N _E_X_A_M_I_N_A_T_I_O_N

This examination consists of 50 multiple choice questions based on advanced radio theory.

_M_O_R_S_E _C_O_D_E _E_X_A_M_I_N_A_T_I_O_N

The Morse code examination is in plain language and may include the twenty-six letters, the ten numbers, punctuation marks (comma, period, question mark, dash and fraction bar), Q-signals and emergency signals. In both the sending and receiving examinations, each character omitted, incorrectly sent or received, is counted as one error. A mark of 100 percent is awarded for five errors or less, 99 percent for 6, 98 percent for 7, 97 percent for 8, etc. The examiner will allow two minutes for candidates to review and correct their copy before it is graded. The pass mark is 100 percent.

A candidate writing the exam for the Morse Code (12 w.p.m.) Qualification, who does not already have the Morse Code (5 w.p.m.) Qualification, will be awarded the Morse Code (5 w.p.m.) Qualification without further examination if a mark of over 60% (fewer than 45 errors) on both sending and receiving is achieved.

Delegated examiners are available in many areas to give the Morse code and written examinations. They may be contacted through amateur radio clubs, technical schools and other organizations. Information on delegated examiners and copies of Radiocommunication Information Circular 1 (RlC-1), Guide for Delegated Examiners, are available from your local district office of the Department of Communications.

_M_I_S_C_E_L_L_A_N_E_O_U_S

Existing amateurs who hold the Amateur Radio Operator's Certificate or the Amateur Radio Operator's Advanced Certificate are deemed, by regulation, to hold the basic, Morse code (12 w.p.m.) and advanced levels of qualification. Those who hold the Amateur Digital Radio Operator's Certificate are deemed, also by regulation, to hold the Basic and Advanced Qualifications.

Any person holding a Canadian Radiocommunications Operator's General Certificate, a Canadian Radio Operator's

First Class Certificate or a Canadian Radio Operator's Second Class Certificate may apply for a licence, good for all qualifications and privileges, without further examination. Any person holding a Canadian Radiotelephone Operator's General Certificate, (Aeronautical, Maritime or Land), may apply for a licence without further examination, but privileges are limited to those of the Basic Qualification.

A candidate for the Amateur Operator's Certificate examinations may be examined for any qualification, in any order, but candidates may not apply for a licence until they have passed the Basic Qualification examination.

As previously mentioned, many amateur clubs and organizations provide instructional classes for individuals interested in becoming radio amateurs. In general, the instructors giving those classes will provide candidates with all the information they need, as well as the necessary study guides. Candidates, however, will have to devote time to study outside class, the amount of which will depend on their level of knowledge and their learning skills.

Most instructors giving radio amateur classes will distribute copies of this document, as well as the Radiocommunication Information Circulars listed below. However, candidates may also obtain, in limited numbers, copies of these circulars from any district office.

RlC-1 - Guide for the Delegated Examiners

RIC-3 - Amateur Service

1. Countries that Forbid Amateur Radiocommunications
2. Countries with Which Agreements or Arrangements Have Been Concluded to Permit the Exchange of Third Party Traffic
3. Countries with Which Reciprocal Operating Privileges Have Been Arranged

RlC-25

1. Radio Regulations of the I.T.U.
2. Radiocommunication Act

3. General Radio Regulations, Part II, Affecting the Amateur Service

October 4, 1990

--
Lyndon Nerenberg VE6BBM / Computing Services / Athabasca University
{alberta,cbmvax,mips}!atha!lyndon || lyndon@cs.athabascau.ca

The only thing open about OSF is their mouth. --Chuck Musciano

---

From -877748727053252601
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a59fb0d3e547a550,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 14:23:15 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!CMS.CC.WAYNE.EDU!MEDELMA
From: MEDELMA@CMS.CC.WAYNE.EDU (Mike Edelman)
Newsgroups: rec.ham-radio
Subject: A 10M HT for Dave N8IPZ
Message-ID: <9010051331.AA04305@ucsd.edu>
Date: 5 Oct 90 13:22:45 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Fri Oct 5 14:22:45 1990

Dave;

You might have missed my earlier posting, but you and anyone else looking for a 10M HT can find the last of the AEA DX-Handy stock at Surplus Sales of Nebraska for $159 (originally $318 when I bought my first one). It's a fine rig, whose only drawback is that it's VXO'd, with provisions for only 2 crystals. Stock unit covers 28.250-28.300 on xtal "A" and 28.300-28.350 on "B". Surplus Sales tells me that they're out of most of the popular xtals, but JAN can supply xtals for the unit at much less than the original AEA price of $15 each.

Again, it's a really fun rig with a super reciever, good noise blanker and a whopping 2W out. Runs off either 6 AA cells, 7 AA nicads (not supplied) or external regulated 9.5v. Nicads can be charged in the unit, too. SSB and CW. Working from my back yard near Detroit, my first contact was San Diego.

--mike edelman ke8yy

From 6875697290630466698
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,60f0c439ce5cf6e3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 14:23:50 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!UOFT01.BITNET!FAC1466
From: FAC1466@UOFT01.BITNET
Newsgroups: rec.ham-radio
Subject: IRCs needed
Message-ID: <9010051325.AA09064@lilac.berkeley.edu>
Date: 5 Oct 90 13:29:03 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 2
Posted: Fri Oct 5 14:29:03 1990

Does anyone have a source for IRCs other than the USPO?
Tnx Cliff Smith KF8K (FAC1466@UOFT01.BITNET)

From -7511549001797968910
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,167dac9dfee45258,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 14:24:05 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!zaphod.mps.ohio-state.edu!mips!decwrl!ucbvax!SATURN.ACC.COM!jhk
From: jhk@SATURN.ACC.COM (John H. Klingelhoeffer)
Newsgroups: rec.ham-radio
Subject: KISS PROMS for Ashby TNC
Message-ID: <9010051252.AA09225@saturn.acc.com>
Date: 5 Oct 90 12:52:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 36
Posted: Fri Oct 5 13:52:50 1990

Subject: KISS ROM set for Ashby TNC

Several years ago I purchased and used an Ashby TNC when packet radio was just starting up. In the environmental spirit of things, I'd like to recycle the unit and continue to use it with a more modern networking system (e.g., the KA9Q NOS package).

In one of the earlier versions of the KA9Q documentation, there was a reference to using (and I'm loosely quoting here) "... the HAPN/Ashby board..." which I presume both used the Intel 8273 for HDLC framing.

Does anyone have information on whether there was ever a KISS ROM set for the Ashby board, and if so, is there anywhere that I can get a clone of it, or the hex listing to blow into a PROM ?

I'd appreciate any info on the subject matter someone might know.
Responses can be either to the mailing list or to:

jhk@saturn.acc.com

Thanks very much.

```
John...    WB4LNM
+-----------------------------------------+-------------------------------+
|                                         |  "Sex on TV is fine.....      |
| John H. Klingelhoeffer                  | as long as you don't fall off" |
| Director, Government Special Operations |                               |
| Advanced Computer Communications        +-------------------------------+
| Systems Division                        | Voice: 301-290-8100           |
| 10220 Old Columbia Road                 | Fax:   301-290-8106           |
| Columbia, Maryland  USA   21046-1725    | Radio: 224.56/147.135 WB4LNM  |
|                                         | Internet: jhk@saturn.acc.com  |
+-----------------------------------------+-------------------------------+
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From -3256432012189529820
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,80f197df64d5eb3d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 14:33:53 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!decwrl!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: VE Responsibility (was RE: Code Test Gimmick)
Message-ID: <9010050034.AA03784@tilde>
Date: 5 Oct 90 00:34:14 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 208
Posted: Fri Oct 5 01:34:14 1990

There have been numerous comments lately about disputes with VEs. In particular, whether the VE should allow "writing down dits and dahs" for later translation for the test answers.

The more serious issue is lawsuit resulting from improper testing.

WHO AM TO HAVE AN OPINION, AND EXPRESS IT SO VERBOSELY?

I am an active member of the VE team with Texins Amateur Radio Club (Dallas, Texas). We're under the sponsorship of the W5YI-VEC. In regard to disputed testing methods, I feel it is my duty to KNOW what is legal and proper. If something comes up that I DON'T know, I'd better be finding out, and fast.

Our VE Team Leader (Contact VE) is Bill Warner, KB5F, and I trust his knowledge and leadership, but I would not be embarassed to contradict him if I could back it up. (However, I've found he's usually right--he does his homework!) We have about a dozen hams in our club who are VEs and they all pitch in.

Dallas is rich in ham population and ham clubs, and you can find a VE session almost any weekend. I realize other parts of the country are not so "blessed", and VE teams and ham clubs are few and far between.

MY OPINION (AS A VE TEAM MEMBER) ON WRITING DOWN DITS AND DAHS

This has not been an issue in our testing, and I've never seen anyone try it. I am not prepared at this writing to voice an opinion on whether it should be allowed, having not fully researched it. However, I (IMHO) believe that it should preclude one of the two methods for grading, namely solid copy.

Remember that the ten question test is only one of two ways to pass the code element. We have had a number of applicants who have just missed the 70% but have had a solid minute of copy.

Although I would not encourage it among the code students I coach, I am not sure that I could preclude it in the exam. I would want to re-read the rules and make sure I understand the wording, and ask some other VEs for their interpretations.

PART 97 AND VEC GUIDELINES

The VEC prints and distributes the rules and procedures for examinations.

As good a job as the VECs (or the FCC, even) might do on writing rules or guidelines, there is always the possibility for missing some situation. This is where a VE team must make a decision. An informed decision is necessary, within the given guidelines of the program.

If something that is NOT covered in the guidelines comes up, the VEs will use their best judgement, but the responsibility doesn't stop there. In some cases, the right answer is to take NO action, until better information is available.

An arbitrary ruling, subject to widespread and emotional dispute, could conceivably have repercussions and be damaging to the entire VE program.

Although the VE team members are knowledgable, the DO NOT MAKE POLICY. Any "rule" I state, I must "back up" with either the FCC Part 97 or the Sponsoring VEC's guidelines.

HANDLING PROBLEMS

Because I feel that part of the "mission" of the VE program is to HELP the applicant get as much of a license as he/she can legitimately qualify for, if there is a question that could not be resolved at that time I (personally) would make all reasonable attempts to

* find a definitive answer in a timely manner,

  We have Part 97 and the W5YI-VEC guidelines on the test site for just that reason.

  We also have W5YI's phone number, if it needs to go that far. Fred Maia does a phenomenally big job in supporting lots of VE teams. If a dispute looked as though it might become a significant one, I would want him involved as early as possible.

* provide alternative testing for the applicant whose test could not be completed.

  If the issue could not be resolved "on the spot" to everyone's agreement, then at least we need to "agree to disagree" and plan for resolution.

  Just because the VE Team has Monthly Exam Sessions, we are not limited to them. Special exam sessions can be held at any time for any reason. They must be made open to the public, and reasonably advertised, but nothing in the VEC rules precludes additional sessions.

RESOLUTION OF QUESTIONS OR DISPUTES

One reason THREE Volunteer Examiners are required is to help "fill in the gaps" due to relative inexperience or indecision. Also, two examiners can be deadlocked, three, less likely.

* In the event of dispute in interpretation of the rules or grading, I would first check the documentation on hand.

  For example, what's the EXACT wording about the code exam? The phrase "copy by hand" does not do it alone. "In English" may not do it alone. You MSUT NOT quote the rules out of context.

* I could also ask other VE teams.

  Maybe they've had the problem come up already. What did they do? Did they find a written ruling? Did they ask the FCC? Is it resolved?

* If we cannot resolve the problem that way, the next resource is the VEC.

  Whether it's the ARRL, DeVry, SoCal, W5YI, or any of the other VECs around the country, I would first ask my own VEC, but would not be shy about contacting one of the others for a "second opinion," especially on issues that might be controversial.

BY THE WAY, YOU ARE NOT EXCLUDED FROM FINDING OUT

A test applicant should not be shy about contacting, first, some other hams, then, a different VE team.

If an applicant felt, sincerely, that examinations were being improperly conducted, he/she should proceed. The VECs publish their phone numbers and addresses. They are also often represented at larger hamfests.

WHAT IF I DON'T LIKE THE ANSWER?

I personally do not believe that the final resolution is that the "dit-dah" approach must not be used.

Would that mean you must also preclude someone from taking SHORTHAND?

Personally I would not, but I could not grade it for solid copy. (I don't speak shorthand!) Should a similar approach be taken to an applicant writing down the dits and dahs?

> (My writer's electronic companion complains about the frequency of the word "personally" here. I want to make it clear this part is my own opinion and does not represent the FCC rules or VEC guidelines. Personally, I think this software is too picky.)

If the overall opinion (all the VEs and VECs and FCC and so forth) think so, then that's the rule of the game. But rules were made to be (no, not broken) changed. If you feel strongly enough about it.

And if you feel strongly about it, you can champion the cause, spend a lot of time and effort to engage the agreement of other hams and VEs and VECs and you still may not get your way.

Or, as someone suggested, you can go to court. There, you ask someone who knows little or nothing about amateur radio make rules that affect amateur radio.

IS LAWSUIT THE ANSWER?

I certainly hope not. If any applicant anywhere ever brings a VE into court, and the case is NOT thrown out for being frivolous, I will turn in my VE card and never sign another CSCE or the back of another 610.

It's not worth the risk. If you are volunteering to do a service, and you do a reasonable job of being aware and competent, and are doing it because you care about the hobby (that very word is significant) and still some wiseguy can haul you in because he didn't like the way you do things, that takes all the fun out of it.

I think if it ever happens, I will be saved the trouble, however, because the FCC will simply hold up a hand and say, "that's all!"

The VE program is (IMHO) a Good Thing, but it is precariously balanced on our Good Behavior. The FCC doesn't have the time or budget to be bothered. I would not blame them.

FOR WHAT IT'S WORTH

Rarely do I get on the soapbox quite this much, but I do believe in the VE program, and all this stuff I've said above.

That's my opinion, for what it's worth. If you are still here, and haven't hit "delete" yet, you probably have an opinion of your own, and if you don't feel like posting it, E-mail it to me directly. I am interested in what you think, it's why I read this newsgroup in the first place.

If I've stepped on any toes, I'm sorry, nothing personal, I'm just saying what I think, and am now braced for any flames, jabs, jibes, or whatever.

Actually, I hope you DO have an opinion, and are willing to express it.

As far as I'm concerned, that's what makes ham radio fun.

Have a nice day.

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                          !   "In order to accomplish the
 Bob West WA8YCD                 !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM        !    the absurd!"
                                 !       -- Miguel de Animo y Jugo
 P. O. Box  863069               !
 Plano Texas 75086               !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

From -5182094623647206440
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 14:36:43 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!ryn.esg.dec.com!ultnix.enet.dec.com!taber
From: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Message-ID: <1990Oct5.090039@ultnix.enet.dec.com>
Date: 5 Oct 90 13:00:39 GMT
References: <30583@netnews.upenn.edu>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)

Organization: KC1TD@KB4N.NH.USA.NA.EARTH.SOLAR_SYSTEM.UNIVERSE.MIND_OF_GOD
Lines: 35
Posted: Fri Oct 5 14:00:39 1990

In article <30583@netnews.upenn.edu>, depolo@eniac.seas.upenn.edu (Jeff DePolo) writes:
|>
|>With all the bad hype going around on this newsgroup and the S/N plummetting
|>every day, I thought I'd mention this - I know it made me feel good about
|>amateur radio...
|>

[story of trucker who saved lives via autopatch deleted]

|>
|>IMHO, this is what amateur radio is all about. It's not supposed
|>to be a competitive sport to see who can work the most countries, get
|>their Extra the quickest, or send CW the fastest. Public service,
|>technical advancement, and international good will are what this
|>hobby was founded on. Let's keep it that way. [...]

Yes, there's every reason to feel good about the hobby/service when something like this happens. However, there is no need to try and justify the feeling by knocking other people's passtimes. All the different sub-hobbies in ham radio have a right to exist and be valued for what they are. Not everyone has to do the same thing, and, in fact, it would be a pretty bad thing if they did.

It's possible to promote the good parts of radio simply on the basis of thier goodness. There's no need to put down other parts of radio.

--
>>>==>PStJTT
Patrick St. Joseph Teahan Taber

My employer doesn't care what I think. I, in turn, don't care what you think. You probably don't care what my empolyer thinks. Thus is life a circle.

From -3632005915642050484
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb108b67bb5a46d6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 15:54:39 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!nntp-server.caltech.edu!tybalt.caltech.edu!slr
From: slr@tybalt.caltech.edu (Steve Rhoades)
Newsgroups: rec.ham-radio
Subject: Re: Auto Alarm Remotes
Message-ID: <1990Oct5.035706.23012@nntp-server.caltech.edu>
Date: 5 Oct 90 03:57:06 GMT

References: <30468@netnews.upenn.edu> <319@ssc.UUCP> <321@ssc.UUCP>
Sender: news@nntp-server.caltech.edu
Organization: California Institute of Technology, Pasadena
Lines: 40
Posted: Fri Oct 5 04:57:06 1990
Nntp-Posting-Host: tybalt.caltech.edu

In article <321@ssc.UUCP> markz@ssc.UUCP (Mark Zenier) writes:
>In article <319@ssc.UUCP>, tad@ssc.UUCP (Tad Cook) writes:
>> In article <30468@netnews.upenn.edu>, depolo@eniac.seas.upenn.edu (Jeff DePolo) writes:
>> >
>> > BTW, what's stopping car thiefs who are aware of Lo-Jack from buying
>> > a $200 frequency counter from checking for 900 MHz signals? Seems
>> > simple enough to me.
>>
>> [...Summary of Wall Street Journal Article deleted.
>
>A segment on 20/20 a few months back showed it in operation. The
>car beacon is activated by a transmission from a base. (They may
>use a paging frequency. ???). The beacon then transmits continously.
>The police detective has a dash mounted box with a compass rose
>of LEDs (looks like a doppler DF) and an alphanumeric readout
>displaying the beacon ID. So monitoring the beacon frequency
>can only tell you that the owner knows the car is stolen.
>
>markz@ssc.uucp

A frequency counter and/or an RF Field strength meter wouldn't do a car thief any good. As mentioned in previous articles, LoJack ISN'T activated UNTIL the owner of the car finds his/her car stolen. Often, this can be several hours.

Since the system isn't activated, it wouldn't be sending out ANY RF (not from LoJack anyway....)

I too am curious to know how the LoJack transmitters are activated.
I know the 173.075 Mhz freq is the "beacon" frequency. I am wondering if they use the same freq. for activations.

--
Internet: slr@tybalt.caltech.edu | Voice-mail: (818) 794-6004
UUCP: ...elroy!tybalt!slr | USmail: Box 1000, Mt. Wilson, Ca. 91023

In consideration of others, please refrain from smoking while on the Internet.

From 6683908945247634555
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 16:14:33 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!
ryn.esg.dec.com!ultnix.enet.dec.com!taber
From: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Newsgroups: rec.ham-radio
Subject: Re: (none) (really: STS35)
Message-ID: <1990Oct5.091219@ultnix.enet.dec.com>
Date: 5 Oct 90 13:12:19 GMT
References: <1990Oct4.191850.24371@portia.Stanford.EDU> <4145@altos86.Altos.COM>
<memo.468039@lynx.northeastern.edu> <45339@apple.Apple.COM>
<1990Oct4.091518@ultnix.enet.dec.com>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Organization: KC1TD@KB4N.NH.USA.NA.EARTH.SOLAR_SYSTEM.UNIVERSE.MIND_OF_GOD
Lines: 63
Posted: Fri Oct 5 14:12:19 1990

In article <1990Oct4.191850.24371@portia.Stanford.EDU>,
paulf@jessica.stanford.edu (Paul Flaherty) writes:
|>In article <1990Oct4.091518@ultnix.enet.dec.com> taber@ultnix.enet.dec.com
(Patrick St. Joseph Teahan Taber) writes:
|>>Yup, sked-only. Nope, not brain-dead. It has always been up to any given
ham
|>>who they want to talk to and how they want to do it. In this case, Parise
|>>wants to talk to school kids and scheduled particular slots of time to do it
in
|>>so they can know when they'll be able to talk. That's his right. Of course
|>>hams who don't like it can always QRM the transmissions to show kids what
ham
|>>radio is all about...
|>
|>Odd, according to my tracker hack, all of the passes close to North America
|>occur between 11pm and 7am (PDT). Now, unless they have radically changed
|>grade and high schools since when I was a kid (not that long ago), no school
|>will be in session in North America, and most of those kids will be fast
|>asleep. So I fail to see a collision of interests there.

I guess I missed the part where we decided that North America was the Universe.
Regardless of what part of the planet the shuttle is over, it will not be taking
calls from J. Random Ham. Neither is there a moral or leagal obligation for
them to work hams when they are in range of North America. As Patty Winter
points out, there is no reason they can't; they're just not scheduled for it.
All the voice contacts we know about will be by sked, and that is not
brain-dead, it's just their choice.

|>
|>Why wasn't that schedule ever posted here? All of the AMSAT bulletins I've
|>seen make no reference to slotting; in fact, the only references were to
|>operation from private stations. If there are some reserved slots, it would
|>be the proverbial Good Thing to publicise them.
|>

I seem to recall reading it here, though it may have been elsewhere. I don't quite understant the tone of "Why wasn't it posted here?" like there is again some moral or legal reason why it has to go out on the usenet.

|>>On the other hand, there's always the packet robot for those of us without a
|>>sked.
|>
|>Such packets might be music to your ears and mine, but not to the schoolkids
|>you'll be QRMing, as the robot and Ron are operating on the same frequency
|>(albeit not the same time). Check out the MET schedule, and then listen
|>before hammering at the TNC.

Gee, really? You mean I can only connect to the robot when it's operating? Thanks for the tip. Since, as you point out, they won't be doing voice over North America, it probably won't be a problem. Also, and you couldn't know this, since I don't leave my packet gear bleating over the air without my being in attendance and knowing that there's a chance of making a connection, again there should be no problem. But thanks for your concern.

--
>>>==>PStJTT
Patrick St. Joseph Teahan Taber

My employer doesn't care what I think. I, in turn, don't care what you think. You probably don't care what my empolyer thinks. Thus is life a circle.

```
From 3233309931726039078
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2aa993d185e714c3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 17:04:04 PST
Path: gmdzi!unido!mcsun!uunet!ncrlnk!ciss!lawday!jra
From: jra@lawday.Dayton.NCR.COM (John.Ackermann@Dayton.NCR.COM)
Newsgroups: rec.ham-radio
Subject: Re: Collins S-line
Message-ID: <485@lawday.Dayton.NCR.COM>
Date: 5 Oct 90 13:11:35 GMT
References: <57915@microsoft.UUCP> <4143@altos86.Altos.COM>
Reply-To: jra@lawday.UUCP (John.Ackermann@Dayton.NCR.COM)
Organization: NCR Corporation, Dayton, Ohio
Lines: 35
Posted: Fri Oct  5 14:11:35 1990
```

In article <4143@altos86.Altos.COM> jerry@altos86.UUCP (Jerry Gardner) writes:
>
>I'd recommend getting the 32S-1/75S-3 combination. The newer models have
>a few additional features, but they're not worth the almost double price.
>(I've been told the S-line is very popular in Japan and the Japanese
>hams have driven the prices way up).

>
For serious CW work, avoid the 32S1 like the plague!!! It used the sidetone to key the transmitter, and does <not> have a good cw note. The 32S3 is a far better rig for CW work (as well as being several years newer).

The receivers are all good. Some folks think the 75S1 is actually a bit better on 80 meters than the newer receivers, but it's not as hot on the higher bands.

Another minor correction to Jerry's comment: the 75S3B is a later model than the plain S3; I believe it adds the second CW filter position and there are some circuit improvements. The '3C is identical to the B but has the second crystal deck.

The "round emblem" S-lines are later than the "winged-emblem" ones, and are priced a bit higher. The round emblem 75S3B/C (and a very few of the last winged emblem ones) has an additional rf transformer and a shield around the mechanical filters; these two features do improve the receiver performance somewhat. The late model rigs with "MCN" number stamped on the back are the most valuable of all; not any better, but the MCN numbers were used only on the later production runs, so seeing the number means it's a late-model set.

When I had S-Line equipment, I swapped around for a while and ended up with a winged 32S3, round 75S3B, and a 75S1 as a second receiver. It was a great setup.
--
John R. Ackermann, Jr.   (513) 445-2966
Law Department, NCR Corporation   VoicePlus 622-2966
Dayton, Ohio   John.Ackermann@Dayton.NCR.COM
         ***** Amateur Radio: ag9v@n8acv or ag9v@ag9v.AMPR.ORG *****

From 7746394183893304373
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7785347b9c7882a5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 17:10:49 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!qualcom.qualcomm.com!fpa
From: fpa@qualcomm.com (Franklin Antonio)
Newsgroups: rec.ham-radio
Subject: Re: Radio Astronomy
Message-ID: <1990Oct5.050229.26309@qualcomm.com>
Date: 5 Oct 90 05:02:29 GMT
References: <9010040430.AA15688@ucsd.edu> <9010041601.AA12617@ucsd.edu> <185@organpipe.UUCP>
Reply-To: antonio@drzeus.qualcomm.com (Franklin Antonio)
Organization: Qualcomm Inc., San Diego, CA
Lines: 7
Posted: Fri Oct 5 06:02:29 1990

In article <185@organpipe.UUCP> ron@argus.lpl.arizona.edu (Ron Watkins) writes:
>Anyone out there have any background or interest in radio astronomy?

There's a fellow right down the street from me who has a radio telescope in his back yard. It's hooked to a phone bbs containing related info. You can even download files containing results of obseravations. The bbs is named ZEKE, and can be reached at 619-755-5675.

From 2124588112956111474
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1f794f611069b46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 17:11:20 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!hplabs!hpcc05!hpdmd48!ritchie
From: ritchie@hpdmd48.boi.hp.com (David Ritchie)
Newsgroups: rec.ham-radio
Subject: Re: Ouch! ARRL takes a deeper bite....
Message-ID: <530023@hpdmd48.boi.hp.com>
Date: 5 Oct 90 01:21:48 GMT
References: <530022@hpdmd48.boi.hp.com>
Organization: Hewlett Packard - Boise, ID
Lines: 39
Posted: Fri Oct 5 02:21:48 1990

>The increase was announced well in advance. If you didn't know about it before
>your renewal came up and you don't know how the money is used, then you probably
>*are* wasting your money sending in a renewal, since all you did was pay dues --
>you never allowed yourself to be a member. The "L" stands for "league -- an
>association or alliance of persons for common action.", The dues is not some
>award you are granting to the league -- it's a payment partly to pay your cost
>to the organization (QST) and partly to help advance its goals. The League
>needs the money, but you're not really a member unless you're involved. The
>very least involvement is reading the magazine, and that was where the increase
>was announced.
>
> >>>==>PStJTT
> Patrick St. Joseph Teahan Taber
>

Well, I don't exactly live and breath amateur radio. The main reason that I am an ARRL member is to get QST, and to keep up on new regs from the FCC. I don't work HF - mostly 2M with my wife. (I also read the net regularly and subscribe to too many magazines).

There are some things that I am concerned about. One of the main ones is restrictive covenents against radio antennas in housing developed during the last 10-20 years - an issue that is preventing many people from considering amateur radio as a hobby who otherwise have the resources to consider it. Since I am not even close to retirement age, this is a problem that may be unique to my age group. Is the ARRL doing anything about it? Nope. But will they promote more contests that inspire some to expend large amount of money to go to barren islands so that others can interfere with each other and make the bands useless for other uses? Yep. Will they spend a large wad of cash for a shortwave broadcast station, then come to the membership with hat in hand looking for money for WARC-92 funding? You bet.

Dave Ritchie N4DJS

(.... Boy, he's grumpy today, isn't he?)

From 2320773534767271296
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 17:18:53 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!ames!uhccux!uhunix2.uhcc.Hawaii.Edu!johns
From: johns@uhunix2.uhcc.Hawaii.Edu (John P. Shalamskas)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Message-ID: <9695@uhccux.uhcc.Hawaii.Edu>
Date: 5 Oct 90 00:58:58 GMT
References: <30583@netnews.upenn.edu>
Sender: news@uhccux.uhcc.Hawaii.Edu
Organization: University of Hawaii
Lines: 16
Posted: Fri Oct 5 01:58:58 1990

To the person who could hit 14 repeaters, yet couldn't access the patch:

SHAME on you for not finding out what repeaters have 911, and how to access it! It is easy to find out the 911 emergency codes for almost every repeater in the state of Hawaii. If you don't know exactly what it is, everyone has nearly standardized on one of the following:
911, *911, or *9.

It wasn't anyone else's fault for not sitting around waiting for you to have an emergency... it was YOURS for not getting the information ahead of time. What do you use 2 meters for? Haven't you talked on any repeaters at all? Most clubs publish these codes in their newsletters. Are you in any clubs?

Sounds like you don't use 2 meters much. If you don't put out any effort to be prepared, don't blame the rest of us when you aren't prepared.

From -8809632621993343677
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5cd5dd1a87a72734,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,5cd5dd1a87a72734,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-10-05 17:22:32 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!

julius.cs.uiuc.edu!apple!rutgers!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: * SpaceNews 08-Oct-90 *
Keywords: Amateur Radio on Mir, AO-10, UO-11, AO-13, FO-20, BADR-1
Message-ID: <354@ka2qhd.UUCP>
Date: 6 Oct 90 00:22:32 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 153
Xref: gmdzi rec.ham-radio:15474 sci.space:16557
Posted: Sat Oct 6 01:22:32 1990

SB SPACE @ ALLBBS $SPC1008
* SpaceNews 08-Oct-90 *

Bulletin ID: $SPC1008

=========
SpaceNews
=========

MONDAY OCTOBER 8, 1990

SpaceNews originates at KD2BD in Wall Township, New Jersey, United States.
It is published every week and is made available for unlimited distribution.

* MIR NEWS *

============

A new and exciting amateur radio project is being planned for the Mir space station known as the "Amateur Radio Experiment on Mir" or AREM. This project is the result of a collaboration between hams in the Soviet Union and the Austrian Amateur Radio Society (OeVSV). This project is designed to provide equipment for both 2M packet data and voice transmissions from Mir. The voice messages from Mir will provide timely information to radio amateurs while being another educational tool to help school teachers start students thinking about space science. The voice messages will be spoken in German, Russian, and English. The voice beacons will alternate with packet transmissions.

The basic AREM station will consist of a 2M tranceiver, a lap-top computer, a TNC-2 running at 1200 baud and using AX.25 protocol, and a voice sythesizer. A special external 2M antenna will be attached to the outside of the Mir space station for this project. The first AREM operations are expected to begin around January 1991 when an Austrian cosmonaut will install the station after he joins the crew of the Mir. After the Austrian cosmonaut finishes his mission on Mir, the equipment will remain aboard the space station. It is envisioned that an upgrade to this station will be to incorporate Bulletin Board System (BBS) software on the lap-top computer. This upgrade is not envisioned to happen until November '91. Also, it must be emphasized that if the cosmonauts wish, at any time they can pick up the microphone and call CQ. To obtain further information about AREM, please write to:

Wolf Hoeller (OE7FTJ)
Amraserstrasse 19
A-6020 Innsbruck
Austria

[Information via ANS and OE3ACC]

* BADR-1 NEWS *

The University of Surrey would like to receive reports from anyone who is receiving BADR-1 on either 145.825 or 144.010 MHz. Brief reception reports should be sent to:

University of Surrey
UoSAT Spacecraft Research Unit
Department of Electronic Engineering
Guildford, Surrey GU2 5XH
England

* OSCAR-10 NEWS *

Until further notice please DO NOT use AO-10's transponder!

* OSCAR-11 NEWS *

Suggestions on the most useful operating schedule for UoSAT-2 should be sent to UoSAT as soon as possible so that they can be taken into account during an operations review due to take place later this month.

* OSCAR-13 NEWS *

The present transponder schedule for AO-13 is as follows:

Mode-B : MA 003 to MA 165
Mode-JL : MA 165 to MA 195
Mode-B : MA 195 to MA 240
Off : MA 240 to MA 003 (Mode B Beacon On)
Omni Antennas : MA 240 to MA 060

The September 10 attitude estimate is:

BLON = 205 and BLAT = -7

* FO-20 NEWS *

FO-20 is continuing to experience high temperature problems (due to the spacecraft experiencing no eclipse periods during which it can cool down) which is forcing a drastic reduction of operations. As of the weekend of 29 Sept 90, the battery temperature had risen to near 45 degrees C. Extended exposure to high battery temperature will decrease the useful life of the battery.

From		To		Mode
011090	0900	021090	0910	PSK Telemetry acquisition
041090	0955	041090	2330	JA
081090	0920	081090	1110	JA and JD
111090	0825	121090	0850	JD

The above dates and time are in UTC and the schedule may change without notice. The FO-20 Command Team will be monitoring satellite performance and operations during these times and may turn off the transponder if they determine that the satellite is in danger.

* TNX QSL! *

A special thanks to all those who sent QSLs, cards and letters to SpaceNews:

AA5QJ : Charlie Kunz, Ocean Springs, Mississippi, U.S.A.
HC5K : Ted Jaramillo, Cuenca, Ecuador
N6DCD : Bernie Eck, Seabeck, Washington, U.S.A.
WB2NVR : Bob Schaps, Scarsdale, New York, U.S.A.
WB7VUB : Dee Dee Eck, Seabeck, Washington, U.S.A.

...and packet radio messages:

N0KWA : Jim Dillon, Rapid City, South Dakota, U.S.A.
KA1ULT : Justin in Harvard, Massachuettes, U.S.A.

* FEEDBACK WELCOMED *

Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

UUCP : ...!uunet!masscomp!ocpt!ka2qhd!kd2bd
AMPR : KD2BD @ NN2Z.NJ.USA.NA

MAIL : John A. Magliacane
Department of Electronics Technology
Advanced Technology Center
Brookdale Community College
765 Newman Springs Road
Lincroft, New Jersey 07738
U.S.A.

<< If you like what you see, send us your QSL card! >>

/EX
--
```
John A. Magliacane                FAX  : (908) 747-7107
Electronics Technology Department  AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College        UUCP : ..!uunet!masscomp!ocpt!ka2qhd!kd2bd
Lincroft, NJ  07738  USA           VOICE: (908) 842-1900 ext 607
```

From 3704444882700695968
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5187b6b249b8b7c7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 17:35:45 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!NADC.NADC.NAVY.MIL!rachiele
From: rachiele@NADC.NADC.NAVY.MIL (Jim Rachiele)
Newsgroups: rec.ham-radio
Subject: CW ability and music
Message-ID: <9010051529.AA08741@.next0.>
Date: 5 Oct 90 15:29:37 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 21
Posted: Fri Oct 5 16:29:37 1990

>>I am highly musical in many different instruments and voice, and I'm STILL
>>trying to reach 13WMP.......

>>I just can't do it!

You could try my method if you want, it worked.

Use a computer. Get (or write) a program which will generate random code groups at a specified speed. Warm up with a speed you can do easily (even if it is only 4 or 5 wpm). If you can copy with only 1 or 2 errors in say 100 characters, increase the speed by 1 wpm. You will get to a speed where you are consistantly making more errors, and work there for a while until you can increase. If you get totally flattened by a speed, just go back one. Continue this until you break your pencil in half (at least 30 min.) repeat at least twice a day. You will break through the 10-11 wpm barrier using this technique.

I managed to get my speed reliably up to about 18 and then got lucky on my test. But I could never do it now.
Jim, NE3X

From 1341424516133368399
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4d594f1adb23a22,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 17:37:44 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!NADC.NADC.NAVY.MIL!rachiele

From: rachiele@NADC.NADC.NAVY.MIL (Jim Rachiele)
Newsgroups: rec.ham-radio
Subject: re: Proposed 10% federal tax on "electronic equipment"
Message-ID: <9010051320.AA08682@.next0.>
Date: 5 Oct 90 13:20:13 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Fri Oct 5 14:20:13 1990

>>>"Another candidate for the luxury tax discussed that would have hit
>>>many Americans -- a 10% levy on electronics equipment with price tags
>>>over $100 -- was apparently dropped from the final package."

>>>This is not to say that you shouldn't lobby your congressperson to
>>>prevent them from putting it back it. However, at the moment, it is
>>>not part of the package.

Right! As long as congress only taxes the other guy, everything will be
ok.
Get real, will you?

Sorry, I couldn't resist. I'll crawl back into my hole now.

Jim, NE3X

From -5349895034599632460
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,699517a940fa9124
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 18:46:27 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!
mips!apple!rutgers!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Re: What not to do on an accident scene
Message-ID: <30630@netnews.upenn.edu>
Date: 5 Oct 90 05:09:42 GMT
References: <9010041830.AA25234@ucsd.edu> <9010050004.AA20869@ucsd.edu>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 33
Posted: Fri Oct 5 06:09:42 1990

In article <9010050004.AA20869@ucsd.edu> jmaynard@THESIS1.HSCH.UTEXAS.EDU (Jay
Maynard) writes:
>[paramedic mode on]
>While I think that it's great that the patients survived, reading this
>produced only one thought:

>
>*PLEASE DON'T REMOVE PEOPLE FROM WRECKED CARS!!!!!*
>
>Doing so without proper training can make whatever injuries the patient has
>much, much worse. It's far better to leave them wherever they are until
>trained personnel can stabilize them and move them safely. The only time you
>should move an injured person is if they are in immediate danger, like the
>car being actually on fire, or about to slide off of a cliff. Note that
>merely leaking fluid does not mean the car is in immediate danger; more
>often than not, that fluid is radiator coolant or battery acid. Cars simply
>don't blow up like they do after every accident on TV. If in doubt, DON'T.
>[paramedic mode off]
>Having said that, I agree: that kind of thing is what ham radio is all about.

I agree with what Jay is saying and heartily respect his opinion, especially
considering that he is an EMT. However, I guess I should have mentioned
in my original post, that the guy that stopped is a volunteer fireman,
and is also involved with the Camden County emergency rescue squad. I'm
not exactly of what training he has, but I do know he has the background.
I wish I could remember his call - N3GX? - in any event, he did the
right thing in the situation, fortunately for all involved.

--- Jeff

--
-=-
Jeff DePolo N3HBZ   Twisted Pair: (215) 386-7199
depolo@eniac.seas.upenn.edu   RF: 146.685- 442.70+ 144.455s (Philadelphia)
University of Pennsylvania   Carrier Pigeon: 420 S. 42nd St. Phila PA 19104

From -6780908076689041268
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb108b67bb5a46d6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 18:46:47 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!apple!rutgers!netnews.upenn.edu!
eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Re: Auto Alarm Remotes
Message-ID: <30631@netnews.upenn.edu>
Date: 5 Oct 90 05:18:19 GMT
References: <34407@cup.portal.com> <308@ssc.UUCP> <30468@netnews.upenn.edu>
<319@ssc.UUCP> <321@ssc.UUCP>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 29
Posted: Fri Oct 5 06:18:19 1990

In article <321@ssc.UUCP> markz@ssc.UUCP (Mark Zenier) writes:
 I had written:

```
 > BTW, what's stopping car thiefs who are aware of Lo-Jack from buying
 > a $200 frequency counter from checking for 900 MHz signals?  Seems
 > simple enough to me.

>> An article in the Wall Street Journal last year said that the FCC had
>> assigned 173.075 MHz to Lo-Jack and other stolen auto trackers.  It
>> didn't say though whether this frequency was used only for the transmitters
>> which remotely activate the units in the cars, or if the cars also
>> transmit back on the frequency.
>
>A segment on 20/20 a few months back showed it in operation.  The
>car beacon is activated by a transmission from a base. (They may
>use a paging frequency. ???).  The beacon then transmits continously.

I stand corrected.  That's what happens when you get second-hand info.
Apparently the trigger frequency is in the 900 MHz band, but the
continous beacon is on VHF.  Does anybody know the format for the
beacon?  Is it a continous signal, does it have any sort of a vehicle
ID transmitted, etc?  It would be fun to leave the scanner on this
frequency to listen for activity.

                                     --- Jeff
--
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
Jeff DePolo  N3HBZ             Twisted Pair: (215) 386-7199
depolo@eniac.seas.upenn.edu    RF: 146.685- 442.70+ 144.455s (Philadelphia)
University of Pennsylvania     Carrier Pigeon: 420 S. 42nd St. Phila PA 19104


From 1856439822260072272
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11f2f5382fb2b281
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 18:54:03 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: ethernet coax
Keywords: coax
Message-ID: <261@bongo.UUCP>
Date: 6 Oct 90 01:54:03 GMT
References: <109446@philabs.Philips.Com>
Organization: The Hole in the Wall  Hollywood California U.S.A.
Lines: 34
Posted: Sat Oct  6 02:54:03 1990

In article <109446@philabs.Philips.Com>, rfc@briar.Philips.Com (Robert Casey)
writes:

> I suppose you could use regular RG8U in computer installations, except that
> the center conductor of RG8U is stranded, not solid like Ethernet.  Vampire
> taps might not bite into it so well.  Also, building inspectors
> will complain that RG8U could burn.   ^^^^^^^^^^^^^^^^^^^^^^^^^
```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

I hate to be a pedant about this, but have had to "discuss" this with inspectors in the past. RG-8 Coax, regular yellow jacket Ethernet cable and regular phone wire are all flammable. They are also OK inside walls, under carpets, across closets, through roofs, down conduit and suspended in false ceilings.

If the cable is going to travel inside any air duct, it needs to be plenum rated. This includes any false ceiling used as an "air return". An air return is when the air returning to the egg-nishning unit goes via the false ceiling cavity rather than via special ducting. Now if a building is being "remodeled" or suffering "tennant improvements", all new cable in plenums must be plenum rated. If there is tons of old 25 pair telco cable abandoned in the plenum that is not plenum rated, it is grandfathered and no one complains. But that 25 foot run of phone wire you just slipped in better be plenum rated.

Plenum wire is more expensive than regular and harder to work with. The plenum rated Ethernet is teflon. See an earlier posting of mine in this thread for specs of Belden plenum Ethernet.

Thank you for your attention. We now return you to our regular programme: Code Wars

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From 447559971781798594
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,820346c38d324176,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 18:55:05 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!CMS.CC.WAYNE.EDU!MEDELMA
From: MEDELMA@CMS.CC.WAYNE.EDU (Mike Edelman)
Newsgroups: rec.ham-radio
Subject: John Sebeson, where are you?
Message-ID: <9010051718.AA18690@ucsd.edu>
Date: 5 Oct 90 17:16:20 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Fri Oct 5 18:16:20 1990

(Pardon the personal message)
John, I'm interested in the R3- if I'm not too late. My mail to you bounced.

--mike edelman ke8yy
medelma@cms.cc.wayne.edu

medelma@waynest1.bitnet

From 747566242644807964
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 19:02:41 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: More on shuttle QSOs (Was (none))
Message-ID: <45392@apple.Apple.COM>
Date: 5 Oct 90 17:33:43 GMT
References: <4145@altos86.Altos.COM> <45356@apple.Apple.COM>
<8793@helios.TAMU.EDU>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 37
Posted: Fri Oct 5 18:33:43 1990

In article <8793@helios.TAMU.EDU> bill@platypus.uofs.edu writes:
> Another message mentioned that because of the fact that the shuttle is not
> going to be flying over the US anyway, the contact is going to be via
> phone to ham stations in other countries and then via radio to the shuttle.
>
> Correct me if I'm wrong, but if the schools are going to be talking on the
> phone, what is going to make them think this has anything at all to do
> with Amateur Radio??

Bill--

I worded that carefully. I said the schools' "transmissions" will be relayed via phone line to the ground stations in other countries. The schools *will* be transmitting on 2 meters (or whatever repeater band they wish). The repeater they're using will be autopatched to the Telebridge, but anyone listening to the repeater will hear both sides of the conversation *on amateur radio*.

One school wanted to have the kids speak into a telephone connected to the Telebridge because they didn't have a repeater with autopatch nearby. The League said, "No way."

I agree that it's a bit of a compromise, but only one part of the linkup is via phone lines. It was either that, or only work schools in the lower part of the U.S. This system seems acceptable to me under the circumstances.

Perhaps someone from AMSAT (which is handling the linking system) would like to say more about this.

Patty
--

****
Patty Winter N6BIS   INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]   UUCP: {decwrl,nsc,sun}!apple!winter
****

From 9071223126321320614
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 19:03:55 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!zaphod.mps.ohio-state.edu!
unix.cis.pitt.edu!hpb
From: hpb@unix.cis.pitt.edu (Harry P Bloomberg)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio saves lives
Message-ID: <45485@unix.cis.pitt.edu>
Date: 5 Oct 90 17:31:36 GMT
References: <30583@netnews.upenn.edu> <9695@uhccux.uhcc.Hawaii.Edu>
Reply-To: hpb@unix.cis.pitt.edu (Harry P Bloomberg)
Organization: Univ. of Pittsburgh, Panther Amateur Radio Club
Lines: 21
Posted: Fri Oct 5 18:31:36 1990

In article <9695@uhccux.uhcc.Hawaii.Edu> johns@uhunix2.uhcc.Hawaii.Edu (John P.
Shalamskas) writes:
>To the person who could hit 14 repeaters, yet couldn't access the patch:
>
>SHAME on you for not finding out what repeaters have 911, and how to access
>it!

1) CALM DOWN! We don't need another flame-fest.

2) Most repeater groups in Western Pennsylvania make their lists of emergency access codes available only to dues-paying members. Based upon my travels, this seems to be true elsewhere.

3) What is needed is a nationwide standard repeater code for accessing emergency services. Repeaters adhearing to this standard would be highlighted in the Repeater Directory. Any visitors to an area needing assistance would simply look up the nearest repeater with the standard code and call for help.

73,
Harry Bloomberg, WA3TBL
hpb@hpb.cis.pitt.edu or
hpb@vms.cis.pitt.edu

From 3112077554116442316
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 19:45:44 PST

Path: gmdzi!unido!mcsun!uunet!world!decwrl!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: (none) (really: STS35)
Message-ID: <45393@apple.Apple.COM>
Date: 5 Oct 90 18:27:01 GMT
References: <45339@apple.Apple.COM> <1990Oct4.091518@ultnix.enet.dec.com> <1990Oct4.191850.24371@portia.Stanford.EDU>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 68
Posted: Fri Oct 5 19:27:01 1990

In article <1990Oct4.191850.24371@portia.Stanford.EDU> paulf@jessica.stanford.edu (Paul Flaherty) writes:
>In article <1990Oct4.091518@ultnix.enet.dec.com> taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber) writes:
>>In this case, Parise wants to talk to school kids and scheduled
>>particular slots of time to do it in.
>Odd, according to my tracker hack, all of the passes close to North America
>occur between 11pm and 7am (PDT). Now, unless they have radically changed
>grade and high schools since when I was a kid (not that long ago), no school
>will be in session in North America, and most of those kids will be fast
>asleep.

Ron will be asleep then, too.

The school QSOs are *not* scheduled for times when the shuttle is passing near the United States. They are scheduled for times when Ron is not busy doing what he's being paid to do: help run the Astro 1 experiment. We are just damned lucky that he's on the "daytime" team and not the other one. (Or perhaps NASA, which has been very supportive of SAREX, put him on the day shift intentionally.)

Once they figured out when Ron could squeeze in some QSO time, then the problem became, "Okay, how do we make it possible for Ron to talk to kids in the U.S. at those times?" The solution was using ground ham stations in South America and Australia to relay.

(Don't get confused by the fact that they're in the southern hemisphere; if they were too far south, they couldn't hear the shuttle any better than people too far north could. It just worked out that during his free time, he'll be going over those areas.)

>Why wasn't that schedule ever posted here? All of the AMSAT bulletins I've
>seen make no reference to slotting; in fact, the only references were to
>operation from private stations. If there are some reserved slots, it would
>be the proverbial Good Thing to publicise them.

Someone did post a detailed SAREX schedule here a couple of months ago. The two-way QSOs were listed as "DEMOS", which was explained at the time.

>>On the other hand, there's always the packet robot for those of us without a
>>sked.

>
>Such packets might be music to your ears and mine, but not to the schoolkids
>you'll be QRMing, as the robot and Ron are operating on the same frequency
>(albeit not the same time). Check out the MET schedule, and then listen
>before hammering at the TNC.

Paul, if you mean that people will be trying to access the robot during
the times reserved for two-way skeds, I guess that could happen. But
remember that the schools will not be transmitting on any of the
shuttle ham frequencies. They'll be using whatever freq. their local
repeater is on. Ron's half of the conversation will be coming out
through the repeater as well. And of course, all this will be rebroadcast
on WA3NAN and other NASA ham stations so that the rest of us can listen in.

>What we have here is....failure....to communicate. With all of the STS35
>launch attempts, some of the details have obviously slipped through the
>cracks. It would be a Good Thing if, in the interim, somebody were to
>take all the existing bulletins, integrate, filter, and amplify them.

Great idea, Paul. Thanks for volunteering! :-)

Patty

--
****
Patty Winter N6BIS   INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]   UUCP: {decwrl,nsc,sun}!apple!winter
****

From 7638382648469844185
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb108b67bb5a46d6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-05 20:00:58 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!ucsd!pacbell.com!pacbell!ptsfa!dmt
From: dmt@PacBell.COM (Dave Turner)
Newsgroups: rec.ham-radio
Subject: Re: Auto Alarm Remotes
Message-ID: <5432@ptsfa.PacBell.COM>
Date: 5 Oct 90 19:04:13 GMT
References: <30468@netnews.upenn.edu> <319@ssc.UUCP> <321@ssc.UUCP> <1990Oct5.035706.23012@nntp-server.caltech.edu>
Reply-To: dmt@PacBell.COM (Dave Turner)
Organization: Pacific * Bell, San Ramon, CA
Lines: 18
Posted: Fri Oct 5 20:04:13 1990

In article <1990Oct5.035706.23012@nntp-server.caltech.edu> slr@tybalt.caltech.edu (Steve Rhoades) writes:
>A frequency counter and/or an RF Field strength meter wouldn't do a car thief

>any good. As mentioned in previous articles, LoJack ISN'T activated UNTIL
>the owner of the car finds his/her car stolen. Often, this can be several
>hours.

It seems to me that it would do a great deal of good.

If I were a car thief *and* was driving a car that I had just stolen *and* had a scanner/counter/fsm *and* the scanner suddenly indicated a strong signal then I'd know that every cop in town would start looking for the car that I would be in. I'd park it, wipe off any fingerprints and take a bus out of the area pronto.

--
Dave Turner   415/823-2001 {att,bellcore,sun,ames,decwrl}!pacbell!dmt

---

From 5393444328670886078
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8b603bc27fae34df,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8b603bc27fae34df,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,8b603bc27fae34df,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-10-02 23:46:03 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!randvax!vortex!lauren
From: lauren@vortex.COM (Lauren Weinstein)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.radio.shortwave
Subject: 10% Electronics Tax apparently "cancelled" -- for now
Message-ID: <54.UUL1.3#1@vortex.COM>
Date: 2 Oct 90 19:39:07 GMT
Organization: Vortex Technology
Lines: 51
Xref: gmdzi rec.ham-radio:15322 rec.ham-radio.packet:2856 rec.radio.shortwave:2286
Posted: Tue Oct 2 20:39:07 1990

Greetings. Good news. It took a bunch of phone calls to pin this down, but it *appears* (for the moment) that the proposed 10% electronics tax did not make it into the final draft of the budget agreement that is currently under consideration. As late as Monday afternoon, personnel at our U.S. Senator's office believed the tax *was* in there, and that it *would* affect computer and telecommunications equipment, as well as consumer electronics. Other sources gave the price level at which the electronics tax would kick in as either $100 or $1000, depending on who you talked to. Meanwhile, on Monday morning, the Wall Street Journal published an article saying the electronics component of the tax was *not* in the final agreement. So there was considerable conflicting information.

Much of the confusion apparently revolves around the many drafts of the agreement and the incredible flurry of activity involving consideration of the budget.

In any case, according to a phone conversation I just had (Tuesday, around noon, PDT) with a Wall Street Journal writer who was by far the best versed on this topic of anyone I had reached anywhere, the 10% tax on electronics equipment is indeed *not* in the present agreement. According to current info, the 10% tax *would* apply to:

Furs over $5K (except leather and artificial fur)
Jewelry (including watches) over $5K
Private boats and yachts over $100K
Autos over $30K

This is all to take effect this coming Jan 1 if the budget agreement passes.

The electronics tax was indeed in the agreement originally, but was dropped from the final draft, apparently.

It is important to note, however, that this is all subject to sudden change. The electronic equipment tax could reappear at any time in the negotiations, either now or later. So it would be a very good idea to keep as close a track of the developments as possible, because if changes occur we probably will have VERY little time to react and let our opinions be known. And of course, there are many other aspects of the budget agreement, in terms of other taxes, fees, program cutbacks, etc., that are also very important, and about which our representatives would appreciate our input, I'm sure. Apparently they haven't been getting very many calls about the budget, and they really are interested in hearing voters' opinions when you call.

Given how difficult it is to obtain basic information about something as important as the budget, the more people in the technical community keeping abreast of what's going on, from different angles, the better!

--Lauren--

From 3755131535596124635
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3ae9c4aac1506167,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-03 03:33:19 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!decwrl!ucbvax!skvax1.csc.ti.com!anderson
From: anderson@skvax1.csc.ti.com (John H. Anderson N5OPY)
Newsgroups: rec.ham-radio
Subject: Intermod cavity.
Message-ID: <9010022113.AA16737@tilde>
Date: 2 Oct 90 21:13:38 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 23

Posted: Tue Oct 2 22:13:38 1990

>You can avoid overloading your HT with out of band signals by putting a cavity in the line to your outside antenna (highly recomended), or you can buy an HT that doesn't have wide receive coverage such as the IC2 from Icom, or you can buy a base rig for use with outside antennas.

Gary

I am having this problem with an FT207 and am wondering what a cavity is, where to get one, and how much they cost. Since I only paid $115 for the ht, I hope it won't be much.

You were right on about NOAA, I wasn't hearing it at all, with my rubbery ducky or even with my broadband radial at 7 feet, but when I put it up 24 ft, it came in loud and clear.

Thanks

--
John H. Anderson, N5OPY
anderson@skvax1.csc.ti.com
N5OPY@N5LDD.TX.USA.NA

From -4417443357963770281
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2a3a71364e3096ce,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-03 09:13:08 PST
Path: gmdzi!unido!mcsun!uunet!samsung!noose.ecn.purdue.edu!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: Funny Airline Numbers
Message-ID: <61941@iuvax.cs.indiana.edu>
Date: 3 Oct 90 16:13:08 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 26
Posted: Wed Oct 3 17:13:08 1990

mike edelman ke8yy writes:

>I got a big laugh from Phil's note about the aircraft with ZANTOP on it- particularly his friend's recognition of it as a Russian craft.

>Many years ago I worked at Detroit Wayne County Metropolitan Airport, DTW to all you air travellers. Next to my building was, you guessed it, the home of Zantop Airways. They're a small airline that at the time ran a few cargo DC-3s and a few Lear Jets. They were notable then for having crashed *2* Lears into gas tanks near the airport, and for the fact that the owner's son was the youngest licensed jet pilot in the country.

ZANTOP used to have a hangar at Indianapolis Int'l Airport. A guy who worked elsewhere at the airport told me they hauled freight, especially automobile parts for car assembly plants. He was rather uncomplimentary, saying that their planes were ancient and in poor mechanical condition. I later heard that they got in trouble with FAA for maintenance violations.

Indianapolis Air Route Traffic Control Center, also located at the airport, has an _enormous_ HF log-periodic beam on an extensible tower. Wonder what it's for? I know that overseas ATC uses HF SSB, but I think Indianapolis Center handles handles only domestic traffic.

--

```
Frank     W9MKV     reid@ucs.indiana.edu
```

From -3209214788423468223
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c79ea99210226955
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-03 09:24:42 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!tut!rko
From: rko@tut.fi (Risto Kotalampi)
Newsgroups: rec.ham-radio
Subject: Re: Solar Terrestrial Forecast and Review
Message-ID: <RKO.90Oct3162129@korppi.tut.fi>
Date: 3 Oct 90 15:21:29 GMT
References: <900929223402.23002d98@HG.ULeth.CA>
Sender: news@funet.fi (#News)
Organization: Tampere Univ. of Technology, Finland.
Lines: 8
Posted: Wed Oct 3 16:21:29 1990
In-Reply-To: std_oler@HG.ULeth.CA's message of 30 Sep 90 04:34:02 GMT

Thanks a lot for VERY interesting material. I'm looking forward to seeing more of Solar Terrestial Forecasts and Reviews from Boulder.

--

```
# Risto Kotalampi, rko@tut.fi       #  DXing is not a hobby,  #

# Signal Processing Laboratory      #  it's a way of life!    #
# Tampere University of Technology  #                         #
```

From -7286540946695184215
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8891a071b7f5ad1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-03 10:00:30 PST
Path: gmdzi!unido!mcsun!uunet!nih-csl!lhc!mimsy!haven!udel!wuarchive!

zaphod.mps.ohio-state.edu!usc!snorkelwacker!apple!agate!ucbvax!cms.manchester-computing-centre.ac.uk!ZZATSJH
From: ZZATSJH@cms.manchester-computing-centre.ac.uk
Newsgroups: rec.ham-radio
Subject: Help - Routing Problem
Message-ID: <9010031132.AA09562@ucsd.edu>
Date: 3 Oct 90 10:42:42 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: J.Heaton@manchester-computing-centre.ac.uk
Organization: The Internet
Lines: 24
Posted: Wed Oct 3 11:42:42 1990

Greetings,

Last night I went to a committee meeting of the North-West Packet User Group (NWPUG) and it came apparent that we are having routing problems in the UK in that Packet mail is not always reaching its destination outside the UK.

We are trying to track down the problem, and were wondering if all the people on these two lists were to send one short message to me on packet plus a copy to me here at work (so that we know how many messages to expect), it would help us to plan the forwarding a bit better.

John

```
         John Heaton           NRS Central Administrator
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        JANET : J.Heaton@uk.ac.MCC           MCC Network Unit (G45)
 DARPA/BITNET : J.Heaton@MCC.ac.uk           The University
         UUCP : J.Heaton%umist@UUCP.ukc      Oxford Road
                                             Manchester,   M13 9PL
  AMPR : [44.131.1.8] amiga.G1YYH.ampr.org   Tel : 061 275-6011
 AX.25 : G1YYH @ GB7NWP  (QTHR)              Fax : 061 275-6040
```

From 4001388884287882785
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb108b67bb5a46d6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-03 10:02:40 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!sdd.hp.com!samsung!interlan.InterLan.COM!interlan.interlan.com!yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: Auto Alarm Remotes
Message-ID: <YETSKO.90Oct3100152@interlan.interlan.com>
Date: 3 Oct 90 14:01:52 GMT
References: <34407@cup.portal.com>
Reply-To: yetsko@interlan.interlan.com

Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 37
Posted: Wed Oct 3 15:01:52 1990
In-reply-to: schuster@cup.portal.com's message of 30 Sep 90 22:07:43 GMT

Some of the close range stuff like the remote "find your car" stuff I've been told operates in selected channels in the 30-50 MHz abnd, or so I've been told.

The 'pager' type systems usually operate in CB band, on the class D channels, where there is NOT supposed to be any traffic like voice. These are the channels between 3-4, 7-8, 11-12, 15-16, and 19-20. There used to be 2 more between 22 and 23, but these are now CB channels 24 and 25. The D channel between 15-16 is usually bootlegs by SSB operators, and the channel 19-20 is usually torn up by trash and splatter from 19. The channel from 7-8 is also usually torn up by *$$h@L&s trying to run skip. For some reasing there is a whole class of idiots, beyond your worst CB nightmare, that hang there and on CB channels 6-8. The other class D channels are relatively clean, but relative is a touchy term.

I think class D used to be restricted to 100mw, but now has a 1W limit. Be careful with these setups, as they use the regular car antenna. They usually work well, but if you have a retractable......

The other danger is a lot of cars have CB/AM/FM antennas. These devices are designed to plug into the AM/FM antenna, and pass AM/FM through to your radio, with circuts to block and protect the radio from the 27-50MHz signal. With multi-band car antennas there are filters and/or splitters at the base of the antenna also designed to do the same thing. If these devices are hooked up to the AM/FM cable, and there is a blocking device at the antenna, then the pager sees a high impedance load it can't handle. Besides being bad for the pager, sometimes the circuits designed into the pager to 'protect' the AM/FM feed from the signal can't handle the voltages now present, and the 1W transmitted siganl now gets into the AM/FM radio at levels high enough to burn out the first stage. CHECK YOUR SETUP!!

In my case, I had an AM/FM/CB antenna on my one car, and I took the AM/FM feed to the radio, and the CB feed to the pager, then tuned the pager for maximum output into a field strength meter.

Mike Yetsko

From 2078473741483395687
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8a9789bef0dcd058,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-03 10:22:29 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!XEROX.COM!kd6hr.El_Segundo
From: kd6hr.El_Segundo@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Info-Hams Digest V90 #273

Message-ID: <".3-Oct-90..8:15:16.PDT".*.PMcAfee.El_Segundo@Xerox.com>
Date: 3 Oct 90 15:15:16 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 2
Posted: Wed Oct 3 16:15:16 1990

115k bytes !!! :<{

From 8588365261414783675
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7bc399333ddefcc3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-03 10:55:28 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!mit-eddie!rutgers!psuvax1!psuvm!bks108
From: BKS108@psuvm.psu.edu (Brian Sutton)
Newsgroups: rec.ham-radio
Subject: Starting Out....
Message-ID: <90276.095050BKS108@psuvm.psu.edu>
Date: 3 Oct 90 13:50:50 GMT
Organization: Penn State University
Lines: 11
Posted: Wed Oct 3 14:50:50 1990

I'm fairly new to this newsgroup and to its contents. However, I'm not exactly new to amatuer radio. My father has been acitive on 2 meters for as long as I can remember and the bug is catching. Bascially, I'm looking for personel insight on getting started, such as learning code, basic technical knowledge that is good to know and so forth. Hopefully I can pick up lots of general knowledge along the way as well as get some feedback. All responses are welcome.

Brian K. Sutton
I don't think a disclaimer is really necessary.

From 3822347782935291576
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11f2f5382fb2b281,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,11f2f5382fb2b281,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-03 12:35:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!agate!linus!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: ethernet coax
Keywords: coax

Message-ID: <109446@philabs.Philips.Com>
Date: 3 Oct 90 19:35:21 GMT
Sender: news@philabs.Philips.Com
Lines: 48
Xref: gmdzi rec.ham-radio:15389 rec.radio.shortwave:2309
Posted: Wed Oct 3 20:35:21 1990

Someone asked about Ethernet coax, so, from my files:
(from 1 1/2 yrs ago:)

I found out from an engineer at Belden some attenuation values:

	Freq(mhz)	attenuation(dB) per 100 feet
Ethernet (#9880)	1	0.19
	5	0.37
	10	0.52
	50	1.2
	100	1.7
	200	2.5
	400	5.0
RG8U (#9914)	50	1.2
	100	1.6
	200	2.4
	400	3.5

As you can see from the above table, Ethernet coax is similar to RG8U coax to 200 Mhz. It's a little worse than RG8U for 400 Mhz. But it should be just fine for 2M and 220 bands. They test up to about 10000 Mhz and there's no sudden deviations from a smooth frequency vs attenuation curve. And they say that Ethernet coax should be able to handle about as much power as RG8U. The foam stuff, mind you.

> When you acquire used coax (not surplus brand new coax), you have to be aware that it could have something bad about it. Look for holes in the braid (where taps may have been), water damage, and anything else that could make any coax bad. Of course, the best coax to get is coax that is new and never used, and never exposed to water or weather.

Ethernet coax should work fine for most amateur applications up to 220, assuming that it is in good condition. Don't know how well it stands up to being outside, as compared to RG8U, but the teflon coated stuff should be fine. In all likelihood, the yellow pvc stuff is just like the black pvc insulated (coated) stuff. I saw one person post that he used the yellow stuff outside for 5 years with no noticeable degradation. I used Ethernet to drive my 2 meter antenna dedicated to packet (so, it still is in a digital mode! :-)). One last thing, the shield is excellent.

I suppose you could use regular RG8U in computer installations, except that the center conductor of RG8U is stranded, not solid like Ethernet. Vampire taps might not bite into it so well. Also, building inspectors will complain that RG8U could burn.

73 de WA2ISE

```
From 16052628154475OO319
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-03 13:32:33 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <45342@apple.Apple.COM>
Date: 3 Oct 90 17:11:45 GMT
References: <memo.468039@lynx.northeastern.edu>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 16
Posted: Wed Oct  3 18:11:45 1990
```

sehrlich@lynx.northeastern.edu writes:

>I have a few questions. Any answers?
>
>3) Does anyone know HOW radio amateurs became known as 'Hams'? Is there
>a rational reason for the term?

For those interested in a plausible conjecture, take a look at page 47 of the October, 1990 issue of Worldradio magazine. If they are right, it is the congress-critters who first started to use this term to address radio amateurs back in 1911.

73,
Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

```
From 6412967989215496236
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e62a66fc8737eb10,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-03 15:07:29 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!sdd.hp.com!
zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!agate!linus!linus!MITRE.org!
McHarry
From: McHarry@MITRE.org (John McHarry)
Newsgroups: rec.ham-radio
Subject: FAX SW for PK232
Message-ID: <122147@linus.mitre.org>
Date: 3 Oct 90 22:07:29 GMT
Sender: usenet@linus.mitre.org
Organization: The MITRE Corporation
```

Lines: 6
Posted: Wed Oct 3 23:07:29 1990

Is there any PC software available (perhaps even by ftp) that will receive weather maps at the full resolution of which the PK232 is capable? PKFAX, from AEA, uses the mode which drops 2/3 of the lines. I would like to grab all of them and run at the maximum usable horizontal pel rate as well. I would then view or print parts of the total image.

Please respond to McHarry@MITRE.org. I will summarize any replies here. Thanks.

#include disclaimer.std

From 7953415685940523426
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92ce507bfa90a5fb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-03 19:51:12 PST
Path: gmdzi!unido!mcsun!uunet!husc6!wuarchive!decwrl!ucbvax!
THESIS1.HSCH.UTEXAS.EDU!jmaynard
From: jmaynard@THESIS1.HSCH.UTEXAS.EDU (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: High-speed CW and musical ability: Not me!
Message-ID: <9010031115.AA08876@ucsd.edu>
Date: 3 Oct 90 11:15:59 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11
Posted: Wed Oct 3 12:15:59 1990

Gary Coffman, KE4ZV wrote (in a recent 2800-line Info-Hams that I'm not about to try to summarize from at 1200 baud!) that every high-speed CW op he'd ever met also had musical ability.
I don't know if you'd call 30 wpm high-speed, but I can run there all day... and I'm in the category of "can't carry a tune in a bucket." Next sweeping generalization?
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
"It's a hardware bug!" "It's a   +--------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_

From -5410212733485768289
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-03 21:05:43 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: (none)

Message-ID: <45339@apple.Apple.COM>
Date: 3 Oct 90 06:24:45 GMT
References: <memo.468039@lynx.northeastern.edu>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 31
Posted: Wed Oct 3 07:24:45 1990

In article <memo.468039@lynx.northeastern.edu> sehrlich@lynx.northeastern.edu writes:
>1) Does anyone know what the deal is with the STS-35 shuttle mission?
>I'd like to get involved with the SAREX mission from the Amateur Radio
>Club at my school (Northeastern University, Boston, Mass.)

The slots for two-way contacts with Ron Parise were filled long ago, but anyone who likes can listen to his transmissions on 2 meters. Since you're 'way far north, that might be a problem, as the inclination of this mission's orbit will put it out of range for much of the U.S. You might be able to get in on the listen-only patches from the southern hemisphere stations to the Telebridge system. I don't know whether the ARRL is accepting more applications for this, but you could call them and ask.

>3) Does anyone know HOW radio amateurs became known as 'Hams'? Is there
>a rational reason for the term?

The ARRL researched all the theories (acronym for four hams' last names, etc.) years ago and determined that the most likely explanation was that the term derived from "ham-fisted", which was applied to poor operators in the old days of telegraphy. I think the word has become less pejorative since. Maybe. :-)

Patty

```
--
*****************************************************************************
Patty Winter N6BIS                          INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                       UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From 8040369335852546908
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8f493acd13cc375c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8f493acd13cc375c,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-03 21:10:48 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!bu.edu!rpi!zaphod.mps.ohio-state.edu!uwm.edu!rutgers!att!mcdchg!laidbak!obdient!gagme!arf
From: arf@gagme.chi.il.us (jack schmidling)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: DAK MR101 RECEIVER

```
Message-ID: <790@gagme.chi.il.us>
Date: 4 Oct 90 04:10:48 GMT
Followup-To: rec.radio.shortwave
Organization: GAGME Public Access UNIX, Chicago, Illinois, USA
Lines: 23
Xref: gmdzi rec.radio.shortwave:2324 rec.ham-radio:15462
Posted: Thu Oct  4 05:10:48 1990



                   DAK MR101 RECEIVER

 I just received my new MR101 receiver from DAK and am very
 disappointed with its performance.  I intend to return it
 but don't know if I should have them send a replacement or

 faintly hearable on the built in antenna.

 The performance on SW2 (9.5 - 21 MHZ) is excellent as is FM
 and MW reception.

 This radio is packed with slick digital glitz but really
 sucks as a receiver.  However, at $49 it is probably too
 much to ask for.

 I took a walk over to Radio Schack today and found that they
 have the same radio with some minor v

 arf@gagme
```

```
From -5873292280021990107
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb108b67bb5a46d6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-03 21:40:56 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
decwrl!sun-barr!rutgers!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Re: Auto Alarm Remotes
Message-ID: <30468@netnews.upenn.edu>
Date: 3 Oct 90 04:49:08 GMT
References: <34407@cup.portal.com> <308@ssc.UUCP>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 20
Posted: Wed Oct  3 05:49:08 1990

In article <308@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
```

>Wouldn't it be a fairly trivial task
>to record the arm/disarm signals off the air, then play them
>back over a transmitter to gain entry to the car?

Maybe if they were AFSK on FM or true FSK played back through an SSB
transmitter, sure it could be done easily. But my guess is that
it's neither. Any definate answers on the format/modulation and/or
frequency? Is it digital or analog? Is there any sort of a standard?

BTW, what's stopping car thiefs who are aware of Lo-Jack from buying
a $200 frequency counter from checking for 900 MHz signals? Seems
simple enough to me.

--- Jeff

```
--
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
Jeff DePolo  N3HBZ            Twisted Pair: (215) 386-7199
depolo@eniac.seas.upenn.edu    RF: 146.685- 442.70+ 144.455s (Philadelphia)
University of Pennsylvania     Carrier Pigeon: 420 S. 42nd St. Phila PA 19104
```

From 176500099258698668
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,89b500d1aadce489,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-03 22:26:48 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!HICKAM-EMH.AF.MIL!
1843eie
From: 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE")
Newsgroups: rec.ham-radio
Subject: W6EZV Silent Key
Message-ID: <9010032046.AA27122@uunet.uu.net>
Date: 3 Oct 90 20:47:19 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 36
Posted: Wed Oct 3 21:47:19 1990
X-Unparsable-Date: 3 Oct 90 10:51:00 GMT-10:00

INTEROFFICE MEMORANDUM

Date: 3-Oct-1990 10:46am HST
From: 1843EIG/EIE
           1843EIE
Dept: 1843EIG/EIE
Tel No: 656-1158

TO: Remote Addressee   (_INFO-HAMS%UCSD.EDU@UUNET.UU.NET)

Subject: W6EZV Silent Key

>>I just saw an AP wire service report saying that Curtis Le May, former
>>SAC commander and vice presidential candidate, died on Monday.
>
>NPR mentioned this last night.
>On the amateur radio side, it's worth noting that, of course,
>his licence class == his rank!

It's also worth noting that one of the main reasons that we hams use SSB
instead of DSB on HF was LeMay's work with Art Collins back when he (LeMay)
was looking for reliable comm for his aircraft...quite an interesting story.

(That ought to prompt some comments from the OT's :-) !)

Then there's my favorite LeMay anecdote...about the time they sent all of
SAC on a bomb run against Dayton...and *missed*!

73,

Jeff Miller WD6CQV/KH6   AFA8JM
1843EIE"at"Hickam-EMH.AF.MIL

From -3553476830287118810
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-03 22:31:26 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!wuarchive!decwrl!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9010032202.AA10997@tilde>
Date: 3 Oct 90 22:02:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19
Posted: Wed Oct 3 23:02:08 1990

In <paul+@andrew.cmu.edu (Paul J. Dujmich)> Paul writes:

>S-Meters do not measure signal strength. They measure the voltage or
>current at some point in the AGC circuit of A PARTICULAR receiver.
>Since no 2 AGC circuits are exactly alike (even in the same production
>run of a given radio), using S-Meter readings as an ABSOLUTE indication
>IS INSANITY. They are useful only for relative measurement (comparison
>purposes) only.

This is very true. However, it is possible to calibrate the s-meter so
that its reading accurately reflects the signal strength at the antenna
terminal of the receiver. As with any other measuring instrument, you

must maintain its calibration or it becomes just a relative device again.
Most of us don't have the means to do the calibration, and most of really
don't care. Signal reports are, for the most part, subjective anyway and
sometimes vary depending on whether you give yours first, or the other
station does.
73,   Dube   N5PDK
WA3TLD

From -6765175821841391858
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-03 23:05:07 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!decwrl!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9010032217.AA11855@tilde>
Date: 3 Oct 90 22:17:36 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 43
Posted: Wed Oct 3 23:17:36 1990

In <tucker@lagrange.eedsp.gatech.edu (Jeff Tucker)>, Jeff writes:

>Oh, I'm getting so tired of hearing people tell me why I shouldn't use my radio
>to call the police.

We all get tired of one thing or another. Some get tired of Hams who, having
a perfectly good way of contacting police quickly through their own service,
insist on using unauthorized methods.

>I care more about saving a life, any life, than this whole hobby!

Perhaps you need to be in a life-saving hobby instead of Ham radio.

>Yes, that's right. Lives mean more to me than HF, OSCAR, and RTTY DX
>combined. Those of you who can't understand that need read no more.

>Now, if Bob's Quick Mart is across the street, I'll go there. But if noones
>around, I'm calling. I'll bet it's illegal to cross the interstate. Is that
>going to stop you from helping someone? It's probably illegal to flag down
>a car with a cell phone. Is that going to stop you? I guess all you people

I bet it ain't, so you're right: it won't stop me

>really concerned about this will just drive on past, maybe even stop if you
>can find a legal parking spot, or go home and call 911 from there. Thanks.
>In the meantime, I will have stopped and if noones on 2m or around me, I'll
>already have contacted the police my own way. 'Nuff said.

Not quite. You can just call your nearest repeater (isn't that why you have your rig?) and either dil 911 directly or have someone do it. That way, you won't have to explain your call. If you make an unauthorized call, you will spend a lot of time explaining to the dispatcher, or whomever, who you are, and why you're calling them directly. If it's precious seconds you're trying to save, you surely won't do it this way. And if it's *my* life you're trying to save please don't use this means. By the time you get through the hassle I'll probably have been carried to the hospital by a real Ham.

```
>---------------------------
>Jeff Tucker                         N9HZQ
>tucker@eedsp.gatech.edu             Graduate Student, Electrical Engineering
>                                    Georgia Institute of Technology
```

73   Dube Todd   N5PDK

From 7448307050827549074
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,42d21f69cf336186,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 00:18:36 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!randvax!vortex!lauren
From: lauren@vortex.COM (Lauren Weinstein)
Newsgroups: rec.ham-radio
Subject: icom fast charger (BC-72A)
Message-ID: <55.UUL1.3#1@vortex.COM>
Date: 4 Oct 90 07:18:36 GMT
Organization: Vortex Technology
Lines: 40
Posted: Thu Oct 4 08:18:36 1990

Greetings. Has anyone done some measuring of the charge currents for the BC-72A to determine how well the charger handles different situations? Some primary concerns are:

1) Charging of partially charged batteries. The sparse instructions say the unit will detect a full charge, but then goes on to say you shouldn't charge a full battery and that the unit will stop fast charging of a full battery after 5 minutes. In the general case, will the unit properly handle the fast charging of a partially charged battery without overcharging? Let's ignore "memory effects" for now...

2) After the unit stops fast charging, it goes to trickle charge. What is the current rate for trickle charge? Is it the same as for the "slow" chargers that come with the various radios, or slower still? The main issue is how long can you leave the battery on the charger in trickle mode after fast charging has ended without damaging the batteries? Overnight? All day and night?

3) Is it correct to assume that with all these Icom SAT, etc. radios, the radios' internal nicad batteries (when present) are never charged if you charge with the fast charger when an external battery

pack is in place? I assume that this is the purpose of the BA-12 adapter--to provide a way to charge the internal batteries with the fast charger?

And finally:

4) Does the internal lithium rechargeable battery, used for memory backup, etc., stay charged from the external/internal nicads? That is, if you always charge the external batteries separate from the radio, and never plug the radio itself into the wall chargers, will the lithium battery stay at full charge (presumably deriving charge from whichever external nicad is attached to the unit)? Or is occasional "wall charging" through the radio jack itself required to keep the lithium rechargeable up to snuff?

Rechargeable batteries have to represent one of the most misunderstood aspects of modern equipment. Thanks much.

--Lauren--

From -7915294492065575528
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2aa993d185e714c3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 00:22:12 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Re: Collins S-line
Message-ID: <4143@altos86.Altos.COM>
Date: 3 Oct 90 19:23:10 GMT
References: <57915@microsoft.UUCP>
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 49
Posted: Wed Oct 3 20:23:10 1990

In article <57915@microsoft.UUCP> mikemr@microsoft.UUCP (Michael MRAZ) writes:

>Sometime in the near future,
>I want to "upgrade" ;-> to a Collins S-line station.
>Does anybody know which models are the most desirable,
>and which ones to stay away from?
>73   N6MZ

I recently "upgraded" to an S-line station as well and did quite a bit of investigation in the process.

I ended up getting the 75S-3 receiver. It covers 3.4-30 MHz in 200 KHz segments. It came from the factory with crystals covering all of 80, 40, 20, and 15 meters; 28.5-28.7 MHz; and 14.8-15.0 MHz (WWV). The 75S-3B is identical except it has a second crystal board built-in that is switchable from the front panel. This allows you to add crystals for more frequencies. All models let you increase coverage on 10 meters and add coverage of the WARC bands.

The 75S-3C is almost twice the price of the -3, but probably isn't worth it.

There are three transmitters in the line: the 32S-1, the 32S-3, and the 32S-3A. The 32S-3 has all of the features of the 32S-1 and a spotting control. Likewise, the 32S-3A has all of the features of the 32S-3 with the addition of a second switchable crystal board.

All of the transmitters run 175 watts PEP input SSB and 160 watts input CW.

The S-line does have a few quirks common with older equipment. For example, the antenna connections on both the receivers and transmitters are RCA phone jacks.

I'd recommend getting the 32S-1/75S-3 combination. The newer models have a few additional features, but they're not worth the almost double price. (I've been told the S-line is very popular in Japan and the Japanese hams have driven the prices way up).

I got my S-line from Associated Radio in Kansas. They specialize in reconditioning Collins equipment and generally offer top-of-the-line product.

--
Jerry Gardner, NJ6A   Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos!jerry   2641 Orchard Parkway
Internet: jerry@altos.com   San Jose, CA 95134
Guns don't kill people, bullets do.   (408) 432-6200

From 8710301261294101947
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 00:23:22 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!julius.cs.uiuc.edu!apple!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <4144@altos86.Altos.COM>
Date: 3 Oct 90 21:18:31 GMT
References: <memo.468039@lynx.northeastern.edu>
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 27
Posted: Wed Oct 3 22:18:31 1990

In article <memo.468039@lynx.northeastern.edu> sehrlich@lynx.northeastern.edu writes:

}1) Does anyone know what the deal is with the STS-35 shuttle mission?
}I'd like to get involved with the SAREX mission from the Amateur Radio
}Club at my school (Northeastern University, Boston, Mass.)

It's been postponed to December at the earliest.

}2) I finally passed my Novice and Technician exams! (Four days apart from
}each other). Does anyone know what the call signs being given in ITU
}region 1 are at the Extra level? If I am able to go for my Extra by the
}end of this year, or early next year, will I receive a 2x1/1x2 or 2x2 call?

The latest issue of QST lists WJ1F as the last extra call issued in district 1. Once the Wx1x series is gone, the FCC will start issuing Ax1xx calls.

}3) Does anyone know HOW radio amateurs became known as 'Hams'? Is there
}a rational reason for the term?

There are many theories, but no one really knows.

--
Jerry Gardner, NJ6A   Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos!jerry   2641 Orchard Parkway
Internet: jerry@altos.com   San Jose, CA 95134
Guns don't kill people, bullets do.   (408) 432-6200

From -1574707600957026747
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a50ae06947c5cd3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 02:50:18 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!chaph.usc.edu!aludra.usc.edu!kjh
From: kjh@aludra.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: NEW CANADIAN LICENSING STRUCTURE--TODAY!!!
Message-ID: <12337@chaph.usc.edu>
Date: 4 Oct 90 09:50:18 GMT
References: <7213.27073d37@uwovax.uwo.ca> <331@aupair.cs.athabascau.ca>
Sender: news@chaph.usc.edu
Organization: EE-Systems, USC, Los Angeles
Lines: 25
Posted: Thu Oct 4 10:50:18 1990
Nntp-Posting-Host: aludra.usc.edu

I used to have a very high opinion of Canada, and the Canadian people, when I lived in Windsor, Ontario, for 4 years. I thought that their government, although different from the government of the United States, was pretty reasonable (being fairly representative of the will of the people). I didn't like how socialistic Canada was, but at least they didn't have a Draconian government like some of the former governments of the Eastern Block countries.

The latest report from VE6BBM makes me think that perhaps Canadians are loosing rights faster than we are in the states. Seriously, prohibitions against owning certain equipment, because you aren't licensed to connect it up to an antenna and radiate? Requirements to notify both the local and the federal gov't each time an antenna installation is modified? No more reciprocal operating agreement with the United States?

While Europe is busy unifying, and preparing to become the largest economic power in the world, and getting rid of the old regimes (in Eastern Europe), both Canada and the United States are busy taking rights away from their citizens. (Some examples from the states include gun control/restrictions, defacto suspension of the first ammendment both for free speech and free practice of religion, defacto suspension of the right against unreasonable searches and seizures, and taxation without representation. I'll be happy to cite examples of all of these if challenged.)

From -5626336915661306546
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a50ae06947c5cd3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 05:06:18 PST
Path: gmdzi!unido!mcsun!uunet!swlabs!jack
From: jack@swlabs.uucp (Jack Bonn)
Newsgroups: rec.ham-radio
Subject: Re: NEW CANADIAN LICENSING STRUCTURE--TODAY!!!
Message-ID: <1990Oct4.120618.817@swlabs.uucp>
Date: 4 Oct 90 12:06:18 GMT
References: <7213.27073d37@uwovax.uwo.ca> <331@aupair.cs.athabascau.ca>
Reply-To: jack@swlabs.UUCP (Jack Bonn)
Organization: Software Labs, Ltd.
Lines: 39
Posted: Thu Oct 4 13:06:18 1990

In article <331@aupair.cs.athabascau.ca> lyndon@cs.athabascau.ca (Lyndon Nerenberg) writes:

>   ..., here is a quick summary of SOME
>of the changes that came into effect at 0001 local time, October 1, 1990.

.

.

.

>3) In a bit of a surprise move, the DOC has implemented "deregulation"
>   of all subband restrictions.

Has this not been true already? I have noticed phone operation in the lower part of 40 meters. I thought I even remembered a VE operator (in this newsgroup) who said he stayed there to avoid talking to US operators. What did the subbands used to be?

>4) ***** US amateurs will now require an operating permit from the DOC
>   ***** before they can operate in Canada!

I am very disappointed in this one. It was a real thrill to bring my 2 meter rig at the last moment on a trip across Ontario (from Niagra Falls to Windsor). It allowed me to really get a taste of the local flavor and left me with a very positive impression of the local ham community there.

I assume that the US, in its typical wisdom, will stick to the present scheme and not reciprocate. [Is it still true the US citizens cannot buy property in Canada, while the US gets sold off to Canadians, et. al.?]

>7) I'm not 100% certain about this one, but I believe there is also
>   a restriction that says you cannot posess(!) any equipment capable
>   of transmitting outside of the amateur bands.

This could really keep you hopping as the WARCs bands change!

-Jack
--
Jack Bonn, KC1UH, <> Software Labs, Ltd, Box 451, Easton CT 06612
uunet!swlabs!jack (UUCP)
jack@kc1uh   (TCP/IP)
kc1uh@wb1cqo   (AX.25)

From 1733738124928781145
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2a3a71364e3096ce
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 05:12:12 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!CMS.CC.WAYNE.EDU!MEDELMA
From: MEDELMA@CMS.CC.WAYNE.EDU (Mike Edelman)
Newsgroups: rec.ham-radio
Subject: Funny Airline Numbers
Message-ID: <9010031509.AA17188@ucsd.edu>
Date: 3 Oct 90 15:05:07 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11
Posted: Wed Oct 3 16:05:07 1990

I got a big laugh from Phil's note about the aircraft with ZANTOP on it- particularly his friend's recognition of it as a Russian craft.

Many years ago I worked at Detroit Wayne County Metropolitan Airport, DTW to all you air travellers. Next to my building was, you guessed it, the home of Zantop Airways. They're a small airline that at the time ran a few cargo DC-3s and a few Lear Jets. They were notable then for having crashed *2* Lears into gas tanks near the airport, and for the fact that the owner's sone was the youngest licensed jet pilot in the country.

--mike edelman ke8yy

From -6000101969018004926
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 05:25:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: More on shuttle QSOs (Was (none))
Message-ID: <8793@helios.TAMU.EDU>
Date: 4 Oct 90 12:25:50 GMT
References: <45339@apple.Apple.COM> <4145@altos86.Altos.COM> <45356@apple.Apple.COM>
Sender: usenet@helios.TAMU.EDU
Reply-To: bill@platypus.uofs.edu
Organization: Computer Science Department, Texas A&M University
Lines: 25
Posted: Thu Oct 4 13:25:50 1990

In article <45356@apple.Apple.COM> winter@Apple.COM (Patty Winter) writes:

> 4. The ham astronauts. Take it up with them. (Perhaps they felt that
> conveying the excitement of amateur radio directly to schoolchildren
> was a little more valuable than trying to work hordes of hams calling
> each other names on the receive frequency. But that's just my guess. :-))

Another message mentioned that because of the fact that the shuttle is not going to be flying over the US anyway, the contact is going to be via phone to ham stations in other countries and then via radio to the shuttle.

Correct me if I'm wrong, but if the schools are going to be talking on the phone, what is going to make them think this has anything at all to do with Amateur Radio??

It looks to me like an advertising for MA Bell. "Gee mom, we had fun in school today. We called the space shuttle on the telephone."

The only ones who will know that this had anything at all to do with ham radio are the hams. I believe they call this preaching to the choir.

Just sign me disappointed. :-(:-(

bill   KB3YV
bill@platypus.uofs.edu

From 176436212102233987

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7785347b9c7882a5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 06:11:10 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!ub!rutgers!bellcore-2!thumper!karn
From: karn@thumper..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Being sobered by QCWA eligibility
Message-ID: <1990Oct4.003330.886@bellcore-2.bellcore.com>
Date: 4 Oct 90 00:33:30 GMT
References: <9009300430.AA29783@ucsd.edu> <9009301319.AA14682@ucsd.edu>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 15
Posted: Thu Oct 4 01:33:30 1990

In article <9009301319.AA14682@ucsd.edu> jmaynard@THESIS1.HSCH.UTEXAS.EDU (Jay Maynard) writes:
>You think _you've_ got it bad...I'll be eligible [for QCWA]
>when I'm 35...Somehow I doubt
>that I'll fit in with the old farts...

Jay, I can't *believe* you'd deliver a straight line like that. Or that nobody else has picked up on it yet. So here goes... Ah hem...

Don't worry, Jay. You'll fit in just fine. :-)

Me, *I'll* be eligible when I'm 40. I would probably already be a member had I not put off becoming a ham for a few years because of that *$#@!! code requirement...

Phil

From 2234150316998892828
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 06:15:18 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!decwrl!bacchus.pa.dec.com!deccrl!shlump.nac.dec.com!ryn.esg.dec.com!ultnix.enet.dec.com!taber
From: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <1990Oct4.091518@ultnix.enet.dec.com>
Date: 4 Oct 90 13:15:18 GMT
References: <4145@altos86.Altos.COM> <memo.468039@lynx.northeastern.edu> <45339@apple.Apple.COM>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Organization: KC1TD@KB4N.NH.USA.NA.EARTH.SOLAR_SYSTEM.UNIVERSE.MIND_OF_GOD

Lines: 33
Posted: Thu Oct 4 14:15:18 1990

In article <4145@altos86.Altos.COM>, jerry@altos86.Altos.COM (Jerry Gardner) writes:
|>In article <45339@apple.Apple.COM> winter@Apple.COM (Patty Winter) writes:
|>>In article <memo.468039@lynx.northeastern.edu> sehrlich@lynx.northeastern.edu writes:
|>>>1) Does anyone know what the deal is with the STS-35 shuttle mission?
|>}>I'd like to get involved with the SAREX mission from the Amateur Radio
|>}>Club at my school (Northeastern University, Boston, Mass.)
|>}
|>}The slots for two-way contacts with Ron Parise were filled long ago,
 [...]
|>
|>You're joking, right? Slots for two-way contacts? What is this, a
|>sked-only operation? Who came up with this brain-dead idea?
|>

Yup, sked-only. Nope, not brain-dead. It has always been up to any given ham who they want to talk to and how they want to do it. In this case, Parise wants to talk to school kids and scheduled particular slots of time to do it in so they can know when they'll be able to talk. That's his right. Of course hams who don't like it can always QRM the transmissions to show kids what ham radio is all about...

On the other hand, there's always the packet robot for those of us without a sked.

--
>>>==>PStJTT
Patrick St. Joseph Teahan Taber

My employer doesn't care what I think. I, in turn, don't care what you think. You probably don't care what my empolyer thinks. Thus is life a circle.

From -8864860258939760098
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d54d6207c3c1886c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 06:30:07 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Info on Preamps for OSCAR-13 wanted
Keywords: OSCAR, PREAMP, SATELLITE
Message-ID: <1389@ke4zv.UUCP>
Date: 4 Oct 90 13:30:07 GMT
References: <1838@lupine.NCD.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group

Lines: 32
Posted: Thu Oct 4 14:30:07 1990

In article <1838@lupine.NCD.COM> phil@hansen.Berkeley.EDU (Phil Graham) writes:
>I just got my OSCAR-13 satellite system all up and running and wow is it
>a blast! My first contact was with a FINLAND station (OH5LK) and I made
>6 more with various US stations.
>
>Although I could copy most of the stations it was not easy (I do not
>have a preamp for either 70cm or 2M). So I would like to get
>information about preamps that are available and the only one that I
>know about is the Landwehr preamps that Henry radio sells. I am looking
>for a preamp that has RF switching in it and can handle greater than 100
>watts (currently run 30 watts but I don't want to fry a expensive PREAMP)..
>
>So If you know of a good vendor please send to me their name, FAX
>number, phone number, or address so that I can get the info!

I've used both the ARR preamps and the Landwehr. I think the ARR preamps
are a wee bit more sensitive and cheaper. They don't last too long at my
location though. Lightning got one for sure (can you say charcoal) and the
gasfet in two others died for no known reason. I'm currently trying another
Landwehr.

Advanced Receiver Research
Box 1242
Burlington Ct. 06013
(203) 582-9409

Henry Radio
2050 S. Bundy Dr.
Los Angeles, Ca 90025
(213) 820-1234

Gary KE4ZV

From -8994756446668209073
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a846005af4cd8224
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 06:38:41 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!decwrl!bacchus.pa.dec.com!deccrl!shlump.nac.dec.com!ryn.esg.dec.com!ultnix.enet.dec.com!taber
From: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Newsgroups: rec.ham-radio
Subject: Re: Code Tset Gimmick. Was: Ham Radio Liscence
Message-ID: <1990Oct4.093841@ultnix.enet.dec.com>
Date: 4 Oct 90 13:38:41 GMT
References: <1250242@hpnmdla.HP.COM> <1990Sep25.164049.450@mlb.semi.harris.com>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Organization: KC1TD@KB4N.NH.USA.NA.EARTH.SOLAR_SYSTEM.UNIVERSE.MIND_OF_GOD

Lines: 36
Posted: Thu Oct 4 14:38:41 1990

In article <1250242@hpnmdla.HP.COM>, alanb@hpnmdla.HP.COM (Alan Bloom) writes:
|>
|>Let me see if I've got this straight. There's this fellow who is donating
|>his time, free of charge, so that you can get your ham license. His
|>only compensation for his labors is the satisfaction he gets from furthering
|>Amateur Radio and helping his fellow man (woman).
|>
|>So lets say, for the sake of argument, that you are correct and that it
|>is perfectly legal to copy the code as described. In other words, the
|>volunteer examiner made a mistake.
|>
|>So you're going to SUE him?   [...]

The guy's a volunteer. OK, they get one "attaboy" for that. The guy decides the job he volunteered for is one he doesn't like, so he changes the job. There goes the attaboy. The guy prevents a person from obtaining a legally-deserved license on the basis of personal whim. Yes, he can be sued. Also if the nice guy who volunteers to be a school crossing gaurd decides to frisk you, he can be sued. If the hospital volunteer decides to throw the medication in the trash rather then walk it down to the patients room, they can be sued. It's not only legal, it's proper.

We want volunteers, not vigilantes. If you volunteer to do a job and do it, you are deserving of the highest possible praise. If you volunteer to do a job and then betray those who trusted you by forcing your personal adgenda on the public, you deserve to be sued, flogged, dipped in hog vomit, fried to a crispy crunch and hung up as a warning to others who would subvert the volunteer's good work.

--
>>>==>PStJTT
Patrick St. Joseph Teahan Taber

My employer doesn't care what I think. I, in turn, don't care what you think. You probably don't care what my empolyer thinks. Thus is life a circle.

From -5233500274276757312
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1f794f611069b46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 08:08:58 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!nosc!cod!medin
From: medin@cod.NOSC.MIL (Ted Medin)
Newsgroups: rec.ham-radio
Subject: Re: Ouch! ARRL takes a deeper bite....
Message-ID: <2313@cod.NOSC.MIL>
Date: 4 Oct 90 15:08:58 GMT
References: <530022@hpdmd48.boi.hp.com> <325@ultrix.uhasun.hartford.edu>

Reply-To: medin@cod.nosc.mil.UUCP (Ted Medin)
Organization: Naval Ocean Systems Center, San Diego
Lines: 4
Posted: Thu Oct 4 16:08:58 1990

Well for 30/yr i think arrl does good. Keep up the good work.
73, ted
n6trf

From -6962581925394325552
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,534b60b0a49b81d8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 08:09:52 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!dgc.ceo.dg.com!Pete_Simpson
From: Pete_Simpson@dgc.ceo.dg.com
Newsgroups: rec.ham-radio
Subject: Cushman CE-4B Manual Needed
Message-ID: <9010041609.AA00046@rtp40.dg.com>
Date: 4 Oct 90 15:09:52 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Thu Oct 4 16:09:52 1990

CEO summary:
I'm the proud owner of a semi-functional Cushman CE-4B service monitor. The RF synthesizer seems not to be working. In order to fix it, I'm going to need a service manual with schematics. Anyone having one that they're willing to copy for me (or mail me so I can copy and return), please contact me at the phone number below. Of course, I'll reimburse all costs and, if you lend me a manual to copy, I'll treat it carefully and return it quickly.
Thanks!

=================================
Peter Simpson, KA1AXY
Data General Corp M/S E132
Westboro, MA 01580
(508) 870-9837
Pete_Simpson@MERCURY.MCEO.DG.COM

From 4596218433325236241
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a846005af4cd8224
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 08:16:19 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!nosc!cod!medin
From: medin@cod.NOSC.MIL (Ted Medin)

Newsgroups: rec.ham-radio
Subject: Re: Code Tset Gimmick. Was: Ham Radio Liscence
Message-ID: <2315@cod.NOSC.MIL>
Date: 4 Oct 90 15:16:19 GMT
References: <1990Sep25.164049.450@mlb.semi.harris.com> <1250242@hpnmdla.HP.COM>
Reply-To: medin@cod.nosc.mil.UUCP (Ted Medin)
Organization: Naval Ocean Systems Center, San Diego
Lines: 12
Posted: Thu Oct 4 16:16:19 1990

In article <1250242@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>>>Oh, wonderful. Sure. Sue the volunteer who is donating his time trying
>If we are to continue to expect people to volunteer to give ham exams,
>we darn well better not threaten them with this kind of nonsense. If a
>volunteer examiner is doing something wrong, work to get the problem
>corrected, don't join the brainless multitudes who are doing their best
>to ruin this country with their attitude of "sue first and ask questions
>later."

Good point
73, ted
n6trf

From -8821417579855974115
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da2e3ea467e53cd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 08:36:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!sdd.hp.com!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Ham radio saves lives
Message-ID: <30583@netnews.upenn.edu>
Date: 4 Oct 90 15:36:00 GMT
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 40
Posted: Thu Oct 4 16:36:00 1990

With all the bad hype going around on this newsgroup and the S/N plummetting every day, I thought I'd mention this - I know it made me feel good about amateur radio...

About three weeks ago, we had a member join one of the repeaters that our club co-sponsors. Only a week after receiving his membership package, which included the autopatch codes, he was driving up the Northeast extension of the Pennsylvania turnpike in a 2m-equipped tractor trailer. About 30 miles from the repeater, he witnessed a rather wicked accident which resulted in one of the cars involved flipping over numerous times.

He stopped, and was able to pull one of the victims out of the car, but the other was still pinned inside, unconscious. He called the PA state police via the repeater's autopatch, and they responded within minutes, along with the paramedic units and fire department. They were able to get the second victim from the car; shortly afterwards, the car caught fire.

The next day, the ham who had called in the accident contacted the state police. They told him that the victim that he had first pulled from the car was recovering and doing well, but would have been in much worse shape if the paramedics hadn't come so soon. The second (trapped) victim was also recovering and the outlook was good, though she was still in the intensive care unit.

IMHO, this is what amateur radio is all about. It's not supposed to be a competitive sport to see who can work the most countries, get their Extra the quickest, or send CW the fastest. Public service, technical advancement, and international good will are what this hobby was founded on. Let's keep it that way. Now if we can just get that #$(%*@ from calling his friends on the autopatch from inside his own house, we'll be in good shape...

--- Jeff

```
--
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
Jeff DePolo  N3HBZ              Twisted Pair: (215) 386-7199
depolo@eniac.seas.upenn.edu    RF: 146.685- 442.70+ 144.455s (Philadelphia)
University of Pennsylvania     Carrier Pigeon: 420 S. 42nd St. Phila PA 19104
```

From -5558926537564767178
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7785347b9c7882a5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 09:01:41 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!THESIS1.HSCH.UTEXAS.EDU!jmaynard
From: jmaynard@THESIS1.HSCH.UTEXAS.EDU (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Being sobered by QCWA eligibility
Message-ID: <9010041601.AA12617@ucsd.edu>
Date: 4 Oct 90 16:01:41 GMT
References: <9010040430.AA15688@ucsd.edu>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Thu Oct 4 17:01:41 1990

In a previous article, Phil Karn accused me of fitting in well with the old old farts. Well... This is for you:

```
+--------------------------------------------------+
| This certificate good for one free razzberry at  |
| the AMSAT Symposium, at the Johnson Space Center |
| in Houston, October 19-21, 1990. Must be         |
| redeemed in person. Facsimiles accepted. :-)     |
+--------------------------------------------------+

BTW, Phil...happy 34th birthday, you old fart! :-) :-) :-) :-) :-)

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu  | adequately be explained by stupidity.
"It's a hardware bug!" "It's a    +--------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_


From -9213844516241483472
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92ce507bfa90a5fb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 09:08:19 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Re: High-speed CW and musical ability: Not me!
Message-ID: <9010041608.AA05834@tilde>
Date: 4 Oct 90 16:08:19 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Thu Oct  4 17:08:19 1990

If you listen to the CW subbands much, you can readily tell who has
the rythm and who doesn't.  Some hams flail along at varying speeds,
and with varying spacings between characters and words; while others
rock along in a lilting cadence that is a joy to copy.  There's a lot
of 'in-betweens'.  Some people are just getting used to their keyers,
so must leave them out until they get the hang of it; and some 1x3 calls
are just trying to unlimber their rusty keys.  But I do believe that
at least the rhythm aptitude helps both sending and receiving.  One Ham
I knew years ago mentioned that when he listened to music he sort of
imagined dits and dahs and tried to derive characters and words from lthe
music.  It is, after all, about cadence and spacing.

73,   Dube   N5PDK


From -2164411601007953634
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38035364c3884b99,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 09:17:13 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!apple!olivea!tymix!sagehen!drawson
From: drawson@sagehen.uucp (Dick Rawson)
Newsgroups: rec.ham-radio
```

Subject: Re: Calling the cops by radio (was
Message-ID: <3846@tymix.UUCP>
Date: 4 Oct 90 16:17:13 GMT
References: <190.270A3504@w8grt.fidonet.org>
Sender: usenet@tymix.UUCP
Reply-To: drawson@sagehen.UUCP (Dick Rawson)
Organization: BT Tymnet, Inc. / San Jose, CA
Lines: 10
Posted: Thu Oct 4 17:17:13 1990

Several years ago I heard someone on a local police channel who obviously wasn't comfortable with HT operation or police procedures. The dispatcher talked with him. It turned out that one of the cops that had responded to a residence had left his HT behind. The dispatcher asked, on the air, if any of the cops knew who might have left an HT behind. He was still on duty, it turned out, and got to go retrieve his radio. I wonder who got debriefed in this case ....

Dick Rawson, N6CMJ

From -2337613454106472554
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc9367b76da04dc5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 09:31:50 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!mirror!necntc!necis!rbono
From: rbono@necis.UUCP (NM1D)
Newsgroups: rec.ham-radio
Subject: Re: Packet Games
Keywords: packet games
Message-ID: <1395@necis.UUCP>
Date: 4 Oct 90 16:31:50 GMT
References: <26fc6203-69arec.ham-radio@vpnet.chi.il.us>
Organization: NEC Technologies, Inc., Boxborough, MA
Lines: 68
Posted: Thu Oct 4 17:31:50 1990

In article <26fc6203-69arec.ham-radio@vpnet.chi.il.us>,
akcs.dunnbri@vpnet.chi.il.us (Brian Dunn) writes:
> Is it legal for a packet radio station to run 'online games'? If so, has
> anyone prepared any games for use with packet radio?

Yes (it is legal) ... games can and are played all the time on the air.... from Chess, to Adventure and ZORK... to traditional Amateur Radio games of 'chasing DX' (trying to talk to distant stations) and on the air 'contests' (trying to talk to more stations than your fellow hams).
>
> The ability to have up to 16 connections to the same machine at one time
> makes for some interesting possibilities...

Actually, some TNC's support up to 26 users (times two for dual port)

(Kantronix). Of course, these TNC's can be 'networked' together to gain 'almost' an unlimited number of users spread over a wide area (i.e.: PacketCluster).

>
> I'm reasonably close to finally getting a ham license, and the answer to
> these questions will partly determine whether I start off with HF or VHF.
>
> Does anyone get a little nervous at the thought of packet games filling the
> frequencies???

No (no nervousness), this sounds just as useful to me as a 'contest' or other 'non-public-service' use of Amateur radio frequencies.

Brian (and the net), several of us a few years ago were bashing about this idea and thought that it would be GREAT fun.... There is no legal problem with it... the only reason that it has not been done yet is that none of us are 'game implementers'... If you are PLEASE develop a game and make it available... Of course, you don't need a Amateur license to develop software (even software for Amateur Radio :-)), but it is more fun to be able to join in on the fun with your license....

By the way... there are systems that already connect a multitude of users (many times over 100) to a common 'database'... the PacketCluster software does this. It is 'sort' of a game, if you think about it... One user 'alerts' the others of a rare station that is on the air on a certain frequency... then sits back and gets to see who works the rare station first. It is kind of comical to watch a pile-up develop from these packet spottings. A person can even detect them on the air, it is obvious when all of a sudden a whole group of stations from the same geographical region start calling almost at the same time (within seconds to minutes of one another).

Don't worry about 'filling the frequencies'... we would rather 'use-them' than 'lose-them'....

By the way, my DOSGATE system has several 'text based' games available for playing via packet radio (mostly INFOCOM adventure style games). They are mildly popular...

I love the idea of a multiplayer Amateur Radio game.

I have envisioned a game where the 'plot' can evolve as players come and go... A 'game' of this type could go on for months... instead of requireing each 'player' to maintain thier involvement over the whole 'life' of the games instance... This is very intersting to think about... (and I DON'T consider myself a game player... as a matter of fact, I don't usually play 'games').

Rich (NM1D)

/***\
* Rich Bono (NM1D)   If I could only 'C' forever!!   rbono@necis.nec.com *

 * (508) 635-6300   NEC Technologies Inc.   NM1D@WB1DSW *
 **/

From -8570951232162437614
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8bc313164c646283
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 09:47:20 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!mirror!necntc!necis!rbono
From: rbono@necis.UUCP (NM1D)
Newsgroups: rec.ham-radio
Subject: Re: CW decoder wanted
Keywords: CW decoder
Message-ID: <1396@necis.UUCP>
Date: 4 Oct 90 16:47:20 GMT
References: <58625@wlbr.IMSD.CONTEL.COM> <282@ssc.UUCP> <285@ssc.UUCP>
Organization: NEC Technologies, Inc., Boxborough, MA
Lines: 51
Posted: Thu Oct 4 17:47:20 1990

In article <285@ssc.UUCP>, markz@ssc.UUCP (Mark Zenier) writes:
> In article <282@ssc.UUCP>, tad@ssc.UUCP (Tad Cook) writes:
> > In article <58625@wlbr.IMSD.CONTEL.COM>, jm@wlbr.imsd.contel.com (Jim Macropol) writes:
> > > I am looking for a CW decoder box that feeds into an
> > > RS-232 serial line. I know that there are several
> > > plug-in boards for PCs out there, but that is not a
> > > viable option at this point.
>
> > If you want one that puts out ASCII, you need one of the multimode
> > controller boxes, like the AEA PK232. This will do other modes (like
> > packet, AMTOR, Baudot, etc) too.
>
> One disadvantage of the AEA boxes is that they aren't very tolerant
> of a bad "fist". If the intracharacter timing is a little long,
> all you get is a string of E's and T's. In one of the manuals,
> they claim this as a feature, to help with training one's sending.
>
> Also tuning is fairly critical, the input filters are about
> 100 Hz wide, and at a fixed frequency. (800 Hz on the PK-232, and
> 1000 Hz (slightly adjustable) on the older MBA units.)
>
> markz@ssc.uucp

 Sorry, I couldn't resist to add my 0.01 cents worth:

  I have the KANTRONIX KAM... I have been 'impressed' at it's ability to copy morse code. It does a farily good job, even when the sender has a sloppy fist. Granted it is not as good as the human ear/brain combination, but I have been surprized at how well it does.

  Also, the center frequency and bandwidth of the filters can be varied in 1 Hertz steps (width from about 100 Hz (or was it 70 Hz) wide, to over 2 KHz wide; center frequency also over a wide range). Its tuning indicator makes it very easy to tune in a signal even when the bandwidth is set to 200 Hz (or less).

For those who have the KAM, don't forget to place the front panel decoder switch in the 'AM' mode when trying to copy Morse code.

Of course the KAM does: CW (morse), BAUDOT, ASCII, AMTOR, NAVTEX, PACKET (both HF and VHF), WEFAX (wefax requires a computer with a graphics screen and additional software, sorry it wont display on a text only terminal).

(no, I don't work for Kantronix...)

Rich (NM1D)

```
 /***************************************************************************\
 * Rich Bono (NM1D)    If I could only 'C' forever!!    rbono@necis.nec.com *
 * (508) 635-6300          NEC Technologies Inc.               NM1D@WB1DSW *
 \***************************************************************************/
```

From -5916908301953802928
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 09:53:42 PST
Path: gmdzi!unido!mcsun!uunet!clarkson!news
From: bray@news.clarkson.edu (David Bray)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <1990Oct4.165342.15312@news.clarkson.edu>
Date: 4 Oct 90 16:53:42 GMT
References: <memo.468039@lynx.northeastern.edu>
Sender: news@news.clarkson.edu
Organization: Clarkson University, Potsdam, NY
Lines: 15
Posted: Thu Oct 4 17:53:42 1990
Nntp-Posting-Host: sun.soe.clarkson.edu

From article <memo.468039@lynx.northeastern.edu>, by sehrlich@lynx.northeastern.edu:

> 3) Does anyone know HOW radio amateurs became known as 'Hams'? Is there
> a rational reason for the term?

According to Cable Network News in a Field Days report (June 1990), the term HAM RADIO OPERATOR came about because in about 1907 there was an article in the Home Amatuer Mechanic magazine which described how to build a radio reciever and transmitter. Those who built and used these radios where then call ham-radio operators.

Sure seems like it might be the correct reason. I have since wondered if the Home Amateur Mechanic magazine changed its name to Popular Mechanics?

D. W. Bray, K2LMG
email: bray@sun.soe.clarkson.edu

From 5204856658593245838
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 11:31:07 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Shuttle QSOs (Was: (none))
Message-ID: <45355@apple.Apple.COM>
Date: 4 Oct 90 03:19:28 GMT
References: <memo.468039@lynx.northeastern.edu> <45339@apple.Apple.COM> <1990Oct3.191228.5466@portia.Stanford.EDU>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 58
Posted: Thu Oct 4 04:19:28 1990

In article <1990Oct3.191228.5466@portia.Stanford.EDU> paulf@jessica.stanford.edu (Paul Flaherty) writes:
>In article <45339@apple.Apple.COM> winter@Apple.COM (Patty Winter) writes:
>>The slots for two-way contacts with Ron Parise were filled long ago,
>>but anyone who likes can listen to his transmissions on 2 meters.
>
>I'm not entirely certain what you mean by this, but if you mean that there's
>been some arrangement allocating all of his downlink time to certain stations,
>that's not my understanding.

In return, Paul, I'm not sure what you mean by "allocating all of his downlink time." :-)

Ron has scheduled a number of voice QSOs with schools (about 30 in all). The times of these runs were posted here before the last launch attempt and probably will be again later.

Anyone who is in range of the shuttle at the time is welcome to listen to his side of the QSO on 2 meters. If you want to hear both sides, you can listen to WA3NAN or one of the other NASA ham stations that will be broadcasting on HF.

Because the shuttle will be mostly outside the range of U.S. hams, some mechanism was needed to relay between the U.S. schools and the shuttle. AMSAT is setting up a link wherein the schools' transmissions will be relayed via telephone lines to ground stations (hams) in other countries who can contact the shuttle. And of course, Ron's transmissions will come back the reverse route.

The company providing the phone link is the same one that helps

with the Teleconference Radio Nets. They are kindly also providing
a number of listen-only slots for each bunch of QSOs (usually about
20 minutes worth).

About 800 schools applied to participate in the STS-35 mission. As
I said, about 30 or so were selected for two-ways; the others were
invited to take a listening slot. I don't know whether all of them
were given slots; it depends on how many ports the Telebridge folks
are donating. (They normally make their living from providing this
service for real money, so it's really nice of them to donate all
this time for SAREX.)

All this, of course, has nothing to do with the packet robot, which
hams will be able to access only with direct contacts. It also doesn't
rule out the possibility that Ron will take the mike for unplanned
voice QSOs. But the scheduled voice Qs are all with schools.

Bottom line: I don't know whether any listen-only dial-in ports
are still available. The League would know. Other than that, hams
can listen on 2m (if in range of the shuttle) or to the HF rebroadcasts.

Patty

--
```
*****************************************************************************
Patty Winter N6BIS                       INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                    UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From -8780973955915724606
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb108b67bb5a46d6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 12:24:04 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: Auto Alarm Remotes
Message-ID: <321@ssc.UUCP>
Date: 4 Oct 90 19:24:04 GMT
References: <34407@cup.portal.com> <308@ssc.UUCP> <30468@netnews.upenn.edu>
<319@ssc.UUCP>
Organization: SSC, Inc., Seattle, WA
Lines: 22
Posted: Thu Oct 4 20:24:04 1990

In article <319@ssc.UUCP>, tad@ssc.UUCP (Tad Cook) writes:
> In article <30468@netnews.upenn.edu>, depolo@eniac.seas.upenn.edu (Jeff DePolo)
writes:
> >
> > BTW, what's stopping car thiefs who are aware of Lo-Jack from buying

> > a $200 frequency counter from checking for 900 MHz signals? Seems
> > simple enough to me.
>
> An article in the Wall Street Journal last year said that the FCC had
> assigned 173.075 MHz to Lo-Jack and other stolen auto trackers. It
> didn't say though whether this frequency was used only for the transmitters
> which remotely activate the units in the cars, or if the cars also
> transmit back on the frequency.

A segment on 20/20 a few months back showed it in operation. The
car beacon is activated by a transmission from a base. (They may
use a paging frequency. ???). The beacon then transmits continously.
The police detective has a dash mounted box with a compass rose
of LEDs (looks like a doppler DF) and an alphanumeric readout
displaying the beacon ID. So monitoring the beacon frequency
can only tell you that the owner knows the car is stolen.

markz@ssc.uucp

From 4093841233551467474
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 13:59:30 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: More on shuttle QSOs (Was (none))
Message-ID: <45356@apple.Apple.COM>
Date: 4 Oct 90 03:23:30 GMT
References: <memo.468039@lynx.northeastern.edu> <45339@apple.Apple.COM>
<4145@altos86.Altos.COM>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 31
Posted: Thu Oct 4 04:23:30 1990

In article <4145@altos86.Altos.COM> jerry@altos86.UUCP (Jerry Gardner) writes:
>In article <45339@apple.Apple.COM> winter@Apple.COM (Patty Winter) writes:
>}
>}The slots for two-way contacts with Ron Parise were filled long ago,
>}but anyone who likes can listen to his transmissions on 2 meters.
>}You might be able to get in on the listen-only patches from the
>
>You're joking, right? Slots for two-way contacts? What is this, a
>sked-only operation? Who came up with this brain-dead idea?

1. No.

2. Yes.

3. For voice QSOs, yes, mostly. As I mentioned in my other posting,
Ron is free to make unscheduled voice Qs if he has the time and the

inclination. He's a big boy now and can make his own decisions.

4. The ham astronauts. Take it up with them. (Perhaps they felt that conveying the excitement of amateur radio directly to schoolchildren was a little more valuable than trying to work hordes of hams calling each other names on the receive frequency. But that's just my guess. :-))

Patty

```
--
*****************************************************************************
Patty Winter N6BIS                         INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                      UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From -4881647473987153580
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7785347b9c7882a5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 14:02:48 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!ncar!noao!amethyst!organpipe!argus.lpl.arizona.edu!ron
From: ron@argus.lpl.arizona.edu (Ron Watkins)
Newsgroups: rec.ham-radio
Subject: Radio Astronomy
Message-ID: <185@organpipe.UUCP>
Date: 4 Oct 90 16:43:39 GMT
References: <9010040430.AA15688@ucsd.edu> <9010041601.AA12617@ucsd.edu>
Sender: news@organpipe.UUCP
Organization: Lunar and Planetary Lab, U of AZ
Lines: 6
Posted: Thu Oct 4 17:43:39 1990

Anyone out there have any background or interest in radio astronomy? I want to build a radio telescope near my house and would like to discuss aspects of this type of work with anyone who is interested. Primary frequency of interest is 21cm. (Non transmitting only)

Ron Watkins
ron@argus.lpl.arizona.edu

From -4309181752740928180
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 14:06:05 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!rex!rouge!pc!jpd
From: jpd@pc.usl.edu (Dugal James P.)
Newsgroups: rec.ham-radio
Subject: Re: More on shuttle QSOs (Was (none))
Message-ID: <15883@rouge.usl.edu>

Date: 4 Oct 90 18:06:03 GMT
References: <4145@altos86.Altos.COM> <45356@apple.Apple.COM>
<8793@helios.TAMU.EDU>
Sender: anon@rouge.usl.edu
Organization: Univ. of Southwestern La., Lafayette
Lines: 20
Posted: Thu Oct 4 19:06:03 1990
Originator: jpd@pc.usl.edu

In article <8793@helios.TAMU.EDU> bill@platypus.uofs.edu writes:
> Correct me if I'm wrong, but if the schools are going to be talking on the
> phone, what is going to make them think this has anything at all to do
> with Amateur Radio??
>

Bill, we plan to have our repeater autopatch call the conference bridge,
and thereby provide the audio to anyone listening with a scanner or HT
or ....

I understand that only 3 or so schools will pose questions, the remainder will
just listen in. The schools on the list are shifted up for each mission, so
eventually all will be able to talk as well as listen.

73,
--
-- James Dugal,   N5KNX   Internet: jpd@usl.edu
Associate Director   Ham packet: n5knx@k5arh
Computing Center   US Mail: PO Box 42770 Lafayette, LA 70504
University of Southwestern LA.   Tel. 318-231-6417 U.S.A.

From -2152650291346766150
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 14:06:59 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <8794@helios.TAMU.EDU>
Date: 4 Oct 90 13:02:12 GMT
References: <9010032217.AA11855@tilde>
Sender: usenet@helios.TAMU.EDU
Reply-To: bil@platypus.uofs.edu
Organization: Computer Science Department, Texas A&M University
Lines: 42
Posted: Thu Oct 4 14:02:12 1990

In article <9010032217.AA11855@tilde> dube@cpdvax.csc.ti.com writes:
>
>Not quite. You can just call your nearest repeater (isn't that why you have
>your rig?) and either dil 911 directly or have someone do it. That way, you

>won't have to explain your call. If you make an unauthorized call, you will spend a lot of time explaining to the dispatcher, or whomever, who you are, and why you're calling them directly. If it's precious seconds you're trying to save, you surely won't do it this way. And if it's *my* life you're trying to save please don't use this means. By the time you get through the hassle I'll probably have been carried to the hospital by a real Ham.
>

First I would like to state that I don't modify my rigs for out of band transmit and have no intention of starting now.
But this statement is ridiculous too.
Example: I used to work in Rockville MD and live in Gettysburg, PA. As you might imagine, it's a memorable commute, especially at rush hour. Well, one evening right around dusk, I got rear-ended at the part of 270 where the road narrows down to 2 lanes from 3 lanes (up by Germantown.) I could hear probably 2 dozen repeaters and bring up 12-14 of them. I could NOT get anyone to talk to me. I could not use the auto-patch on any of them cause I didn't know the access codes. After sitting on the inside shoulder of the road and continuously jumping from repeater to repeater trying to find some one to call the police (a necessity as the other car was damaged to badly to drive) finally a traffic reporter for a Fredrick, MD radio station came by and called the police on his cellular phone. It was almost 3 hours and pitch black before the police got there. If I had relied strictly on ham radio, I would probably still be sitting there today.

I don't necesarily condone jumping on the police frequencies when ever there is a problem but to anyone who has driven 270 at rush hour, the potential for a serious accident should be obvious, cars traveling at 60-70 mph disabled vehicles off on the INSIDE of the highway, there is no shoulder, just a thin strip and then a concrete barrier. Luckily nothing else happened but I have learned my lesson. I no longer rely on ham radio as a practical means of communications in an emergency. If it happens again, I won;t even try the radio. I will just flag down some guy with a cellular phone.

bill KB3YV
bill@platypus.uofs.edu

From -2401493478510313327
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 14:28:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9010042128.AA19441@tilde>
Date: 4 Oct 90 21:28:54 GMT
Sender: daemon@ucbvax.BERKELEY.EDU

Organization: The Internet
Lines: 59
Posted: Thu Oct 4 22:28:54 1990

tucker@lagrange.eedsp.gatech.edu (Jeff Tucker) responds (lots of QRM deleted):

>>In article <9010032217.AA11855@tilde>, dube@cpdvax.csc.ti.com writes:

>|>Not quite. You can just call your nearest repeater (isn't that why you have
>|>your rig?) and either dil 911 directly or have someone do it. That way, you
>|>won't have to explain your call. If you make an unauthorized call, you will
>|>spend a lot of time explaining to the dispatcher, or whomever, who you are,
>|>and why you're calling them directly. If it's precious seconds you're try-
>|>ing to save, you surely won't do it this way. And if it's *my* life you're
>|>trying to save please don't use this means. By the time you get through the
>|>hassle I'll probably have been carried to the hospital by a real Ham.

>LOOK! What did I say? I'm positive you can read, but I'll restate it.
>It says
>"if noone's on 2m" and that of course includes an emergency autopatch,
>which believe

I admit that I did have a little problem with "noone's" until I figured that it must be an acronym for "no one is". But we are talking about a big IF here, aren't we?

>it or not doesn't exist on every repeater. The three I have used the
>most had 1) No
>autopatch, 2) dial 811, 3) dial 0*1, not exactly uniform here. Read

I, and probably a few others, get the impression here that you think you must have an emergency autopatch (or any autopatch for that matter) in order to report an emergency on a repeater. While there may be a very isolated instance, such as cited by Bill Gunshannon, in which repeater users would not answer a life-threatening emergency call, I believe that you can reasonable expect repeater users/monitors to respond quickly to such a call and place the 911 call for you. Maybe it's different out west here, but I have never, never had a problem getting someone to make a phone call for me, or set up a patch-- just for the asking-- for much less important reasons.

>what I say and
>then yell at me for it. Oh, and BTW, I consider myself a real ham, and
>if you're
>injured my medical training forbids me from carrying you to the
>hospital. Unless
>you like things like permanent paralysis.

I liked Bill Gunshannon's posting as a response here. Most Hams have had at least a smidgen of training in how to handle an accident victim. I fully understand the ramifications of moving an injured person, and how it could result in a lawsuit in this sue-happy society; but I believe most of us would do what we could to help. I still think making calls on police frequencies will create more problems than it solves; and I don't think it is the most

```
expeditious method.

>---------------------------
>Jeff Tucker                        N9HZQ
>tucker@eedsp.gatech.edu            Graduate Student, Electrical Engineering
>
>                                   Georgia Institute of Technology

Dube Todd
N5PDK


From 3703343277949066286
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92ce507bfa90a5fb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 14:33:20 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!apple!agate!shelby!
rutgers!att!cbnewsl!hawk
From: hawk@cbnewsl.att.com (james.p.hawkins)
Newsgroups: rec.ham-radio
Subject: High-speed CW and musical ability: Not me!
Keywords: CW
Message-ID: <1990Oct4.213320.26451@cbnewsl.att.com>
Date: 4 Oct 90 21:33:20 GMT
Organization: AT&T Bell Laboratories
Lines: 6
Posted: Thu Oct  4 22:33:20 1990

I remember the "SWING FISTS" on the  air.  They tapped out their code
in a musical way  that  was unintelligible as CW because the pauses
were all in the wrong places, yet consistant enough to sound sort of
like BOSSA NOVA.  They were more prevalent with straight keys.

Jim WA2WHV


From -93313102993281603
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1959e9333f0f8301
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 15:33:04 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: My Yeasu FT-101E won't transmit on 40 meters...
Message-ID: <7880307@hpfcdc.HP.COM>
Date: 4 Oct 90 22:33:04 GMT
References: <90Sep30.022305edt.57497@ugw.utcs.utoronto.ca>
Organization: HP Fort Collins, Co.
Lines: 27
Posted: Thu Oct  4 23:33:04 1990
```

>I have a problem whereby my FT-101E refuses to load up on 40 meters. ALl
>other bands work find, but 40 refuses to load up. I haave been operating
>into a high vswr on 40 meters and wonder if I have blown C26, which is 470 pf
>rated at 500 wbvdc.   Any suggestions would be appreciated, as the rig works
>fine on all other bands.
>
>   Y.N. Miles,

I've found that my venerable TS-520 doesn't have a very wide range for loading on the lower bands - can't match much beyond 3:1 at full power. If your antenna is wildly nonresonant on 40 and 80, the pi network may not be able to match it.

I don't know what C26 is, but assume it is part of the LOAD capacitor that gets switched in for 40 meters. It's true that a hi VSWR could exceed your 500 wvdc - there are some equations relating SWR to voltage peaks (but I forget). Try loading up on a dummy load - if C26 is really blown, the LOAD knob won't be centered at full load, or you may not be able to load at all.

If the 40 meter antenna is nonresonant, you might want to invest in a Tuner. I've had some luck with the MFJ-949C, except that the switch isn't really rated 300 watts - it's ok at 100 watts, though.

Perry Scott
KF0CA

From -8133775203050206892
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3a0ded300b45bb15,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 15:40:41 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!hickam-emh.af.mil!1843eie
From: 1843eie@hickam-emh.af.mil ("1843 EIG/EIE")
Newsgroups: rec.ham-radio
Subject: Surplus KWM-2A's in Florida (attn: MARS!)
Message-ID: <9010041907.AA29564@uunet.uu.net>
Date: 4 Oct 90 19:12:25 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 34
Posted: Thu Oct 4 20:12:25 1990
X-Unparsable-Date: 4 Oct 90 09:07:00 GMT-10:00

INTEROFFICE MEMORANDUM

Date: 4-Oct-1990 09:04am HST
From: 1843EIG/EIE
           1843EIE

Dept: 1843EIG/EIE
Tel No: 656-1158

TO: Remote Addressee (_INFO-HAMS%UCSD.EDU@UUNET.UU.NET)

Subject: Surplus KWM-2A's in Florida (attn: MARS!)

>It's too bad, because even all these years later (1959! for the KWM2, I
>seem to recall) they're damn nice rigs. The group down the hall just
>surplused off six or seven -2A's. I'd have LOVED to take one home, but
>the Inspector General takes a very dim view of that ;-{ and now someone
>can bid on them via GSA. I hope they go to good homes....
>
>--
>A host is a host from coast to coast.....wb8fozthvax.cs.miami.edu
>& no one will talk to a host that's close...........(305) 255-RTFM
>Unless the host (that isn't close).....................pob 570-335
>is busy, hung or dead....................................33257-0335

ATTENTION ALL FLORIDA MARS MEMBERS! Go find these at the DRMO and put
in for them *now* before it's too late! You never know when you might
get another chance!

73,
Jeff Miller WD6CQV/KH6 AFA8JM/AFF8A/AFF8P

From 633523851914389102
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-04 15:42:58 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!shelby!portia.stanford.edu!
jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: (none) (really: STS35)
Message-ID: <1990Oct4.191850.24371@portia.Stanford.EDU>
Date: 4 Oct 90 19:18:50 GMT
References: <4145@altos86.Altos.COM> <memo.468039@lynx.northeastern.edu>
<45339@apple.Apple.COM> <1990Oct4.091518@ultnix.enet.dec.com>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 36
Posted: Thu Oct 4 20:18:50 1990

In article <1990Oct4.091518@ultnix.enet.dec.com> taber@ultnix.enet.dec.com
(Patrick St. Joseph Teahan Taber) writes:
>Yup, sked-only. Nope, not brain-dead. It has always been up to any given ham
>who they want to talk to and how they want to do it. In this case, Parise

>wants to talk to school kids and scheduled particular slots of time to do it in
>so they can know when they'll be able to talk. That's his right. Of course
>hams who don't like it can always QRM the transmissions to show kids what ham
>radio is all about...

Odd, according to my tracker hack, all of the passes close to North America occur between 11pm and 7am (PDT). Now, unless they have radically changed grade and high schools since when I was a kid (not that long ago), no school will be in session in North America, and most of those kids will be fast asleep. So I fail to see a collision of interests there.

Why wasn't that schedule ever posted here? All of the AMSAT bulletins I've seen make no reference to slotting; in fact, the only references were to operation from private stations. If there are some reserved slots, it would be the proverbial Good Thing to publicise them.

>On the other hand, there's always the packet robot for those of us without a
>sked.

Such packets might be music to your ears and mine, but not to the schoolkids you'll be QRMing, as the robot and Ron are operating on the same frequency (albeit not the same time). Check out the MET schedule, and then listen before hammering at the TNC.

Observation:

What we have here is....failure....to communicate. With all of the STS35 launch attempts, some of the details have obviously slipped through the cracks. It would be a Good Thing if, in the interim, somebody were to take all the existing bulletins, integrate, filter, and amplify them.

-=Paul Flaherty, N9FZX/VK2WYX | "TEXAS! Has a USENET in it... (Lord have Mercy
->paulf@shasta.Stanford.EDU | on us all!)" -- _The Best Little Net in Texas_

From 4115802625899555578
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-28 05:23:23 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9009272015.AA10219@tilde>
Date: 27 Sep 90 20:15:52 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 90
Posted: Thu Sep 27 21:15:52 1990

In rtodd@thoreau.nsc.com (=Ron Todd), Ron Todd says

> Having not done any quantative work on these systems I wonder:

Well, I had to go way back about 40 years for documentation on this one, to my notes from "Conversations with Dad".

1) Do they work better with a button on the end of the string
   or is knotted string better.

A knot (must be fairly large) works with waxed cups. However, the low-frequency response is better when you use half a popsicle stick. The capacity created by the larger surface area of the popsicle stick does a better job of passing the low frequencies than does knots, round sticks or even buttons.

> 2) How much improvment does the wax make.

The string to use is cotton twine, however it does have a very low velocity factor. Thoroughly waxing the string makes about 3 magnitudes increase in Vf. In fact, beeswax is suspected of increasing the linear admittance better any other material.

> 3) What is the attenuation per unit distance vs string
>   thickness/material.

No measurements were recorded in my notes, but a calculated approximation may be had by squaring the summation of voice frequencies present and dividing by the product of the mean diameter of the string, plus the square root of the coupling mode (button, stick or knot), and the result multiplied by the third derivative of the waxing medium's goo factor.

> 4) Is it necessary to match the cans or does a larger
>   can make a better transmitter or receiver.

It is not necessary to match the cans to effect a transfer of power. However, an impedance mismatch can occur due to the different resonant frequencies of dissimilar-sized cans. This mismatch can create large standing waves of sound on the string at a particular frequency. If the frequency at which the standing wave occurs is sufficiently low, it may cause premature failure of the string. You must consult a Jones Chart to find the frequencies at which failures can be expected to occur.

> 5) How well does an oatmeal box do compared to a coffee can.

My notes indicate that serious testing was conducted using various transceptors. Coffee cans (the metal kind) fared poorly in both response and volume. Far better were the waxed drinking cups and Quaker Oats "boxes". The choice between the two is simply a matter of preference. Those who like boomy bass would prefer the Q. O. box, while people who like crisp ambience and 1/2 inch speaker cables may prefer the waxed d. c. No experimentation was done with plastic containers, since these had not been invented at the time the study was conducted.

>6) Are the "synthetic" material cans any good, how about
the composite cans.

This question was answered in 5) above.

>7) Are aluminium cans better than steel.

No comparisons were made on these materials.

>8) What effect does string tension have.

Itzhak Perlman might say that string tension is the single most important factor in this design. The tension factor can be thought of as a steep-skirted bandpass filter; optimum tension is that which barely avoids coupling pullout. As tension is relaxed, the string impedance increases rapidly and capacitance to earth builds so that frequency response shifts quickly to the low end, then suddenly communication becomes impossible. This point is called the critical-laxity factor, cLf. If tension is increased beyond the optimum, frequency response of the system shifts toward the high end until the string impedance reaches infinity due to fiber failure. This point is the critical fiber factor, cFf.

If the coupling mode is a knot, coupling pullout may be reached long before cFf. In fact, it is possible for the optimum tension to occur just before coupling pullout. For all other coupling modes, the range of tension between cLf and cFf can be fairly narrow. Each system must be tested for its own innate characteristics may vary considerably from a seemingly identical one. Furthermore, operator training and experience is important in effecting reliable communication with these systems.

I wish to thank Ron for his well-thought-out, incisive questions.

73, and good canning!

Dube Todd   N5PDK

From -3296354807361346662
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8baadf96c5f2f13b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-28 07:59:07 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!deccrl!shlump.nac.dec.com!ricks.enet.dec.com!reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: Looking for Steve Wheatley, KU9C
Message-ID: <15702@shlump.nac.dec.com>
Date: 28 Sep 90 14:59:07 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation - Hudson, MA
Lines: 16
Posted: Fri Sep 28 15:59:07 1990

Come out, come out, wherever you are!

Mail I sent to you at both cbnewsk and inuxz failed.

If anyone else has information, please pass it on.

jim AD1C

```
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=

"The opinions expressed here in no way represent the views of Digital
 Equipment Corporation."

James J. Reisert                Internet: reisert@ricks.enet.dec.com
Digital Equipment Corp.         UUCP:     ...decwrl!ricks.enet!reisert
77 Reed Road
Hudson, MA  01749-2895
```

```
From 7689724194286026610
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3c65ed118ac20d0b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-28 08:32:14 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uwm.edu!
cs.utexas.edu!rice!uw-beaver!zephyr.ens.tek.com!tektronix!sequent!sequent.uucp!
dale
From: dale@sequent.uucp (Dale Mosby)
Newsgroups: rec.ham-radio
Subject: Re: Hand held radios on airlines
Message-ID: <43146@sequent.UUCP>
Date: 28 Sep 90 03:46:09 GMT
Sender: dale@sequent.UUCP
Organization: Sequent Computer Systems, Inc.
Lines: 39
Posted: Fri Sep 28 04:46:09 1990
```

I just returned from an airline trip, and took my 2 M HT. I made the trip with a single carry on bag, had the HT wrapped in some clothes for padding with the antenna in another compartment. This is an ICOM 02AT clone, same size as the ICOM and had an 8 cell battery pack. Also in my bag: 12 extra AA batteries, electric razor, small travel iron, car keys, some change, (those are the metal items) also a couple books and my clothes.

All flights were on United. At Portland, Oregon the bag went through X ray and nothing was said. In Indianapolis they wanted to see the travel iron, also asked if I had batteries in there. I showed them the travel iron, and asked if they wanted to see the radio. Response was "No, we could see that", meaning that it showed up on the X ray.

However coming back through Denver a woman said she needed to check the bag and proceeded to open it and completely scramble the contents. She was pawing through it making a *real* mess of everything. She pulled out my shaving kit and the travel iron and then sent the bag back through the X ray. Once again she opened the bag and started pawing through the contents after the "big metal thing". It was still wrapped up so I unwrapped it. She took it and held it up for the machine operator to see, and then gave it to me and walked back to the machine.

So, it is OK to take handhelds on the airlines, no one ever even said not to use it on the plane (I didn't use it nor ask if I could). The thing I learned is to be careful about letting them search the bags. This was a business trip, and I started out with shirts and ties very neatly folded. I'm lucky the search was at the end of the trip, else I would have had very wrinkled clothing (guess the travel iron would have been of use then :-).

BTW: Does anyone own a Santec ST-20T? I need a copy of the owner's manual.

```
   dale@sequent.com  OR  { uunet  pur-ee  tektronix sun } !sequent!dale
   Dale Mosby   503-626-5700  N7PEX  // Sequent Computer Systems, Inc.
   15450 SW Koll Parkway             // Beaverton, Or.  97006-6063
```

From 189310205283030720
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c42431bc94860997
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-28 08:54:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Novice test code requirement... Again.
Message-ID: <1371@ke4zv.UUCP>
Date: 28 Sep 90 00:37:11 GMT
References: <90269.121355DOW@MAINE.BITNET>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 29
Posted: Fri Sep 28 01:37:11 1990

In article <90269.121355DOW@MAINE.BITNET> DOW@MAINE.BITNET (Michael R. Dow) writes:

```
>
>  I just took my novice test... AN PASSED!
>
>  1) Yes, I took the 5 wpm code test, without gimmicks, and passed.
>     - I listened to the code tapes that come with Tune In The World
>       for 20 minutes per day for two weeks.. This was *all* I did, and
>       was obviously all I needed.
>
```

> 2) I think the no code debate is a crock of <insert noun here>.
>
>
> I actually *enjoyed* learning the code! It wasn't hard. As a matter
>of fact, it was easy. Regardless of the fights against the code requirement,
>I do not believe that 5 wpm is a difficult requirement whatsoever.

YOU *enjoyed* learning the code. It wasn't hard (for YOU). As a matter
of fact, it was easy (for YOU). YOU do not believe that 5 wpm is a difficult
(for YOU) requirement.

OTHER people have found learning the code difficult. OTHER people have not
found learning code enjoyable. OTHER people have given up hope of becoming
amateur operators because of the code. OTHER people don't find the code
requirement relevant.

But, since the world revolves around YOU, none of this matters. YOU got
YOUR license. What do YOU care about OTHER people.

Gary KE4ZV

From 6525771080101635934
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2862ba03294dc91c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-28 09:01:19 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: Radio Propagation and Nuclear Winter ?
Message-ID: <281@ssc.UUCP>
Date: 27 Sep 90 20:18:19 GMT
References: <9009181856.AA27614@ucsd.edu> <7880294@hpfcdc.HP.COM>
Organization: SSC, Inc., Seattle, WA
Lines: 58
Posted: Thu Sep 27 21:18:19 1990

In article <7880294@hpfcdc.HP.COM>, perry@hpfcdc.HP.COM (Perry Scott) writes:
> Anybody care to venture a guess what transmission mode will be most
> successful just after the initial EMP ? No... It couldn't be ... HF
> CW ? Gak. That's even scarier than The Bomb itself.

The following is from
     Nuclear Battlefields, Global Links in the Arms Race
     by William M. Arkin and Richard W. Fieldhouse,
     Ballinger Publishing, 1985

Page 31

"The military endlessly studies the effects of nuclear blasts on communications
[nuclear "blackout"] and has spawned numerous programs to provide the new
"endurance" requirements of a long-term nuclear war. "Following a nuclear

exchange", one miltary consultant has stated, "mobile [or proliferated] HF may well be the only long-haul communication resource that will survive intact" [G. Wetmore, "HF Radio: a Major Asset for 'Enduring C^3', Journal of Defense Electronics, May/June 1981] But HF is not the only frequency being examined. Groundwave communications are only moderately affected by nuclear explosions in the atmosphere. The military is examining VLF and LF frequencies because they are reliable, can penetrate sea water, and have relatively good performance in a nuclear-disturbed environment.

The key "enduring system is the Ground Wave Emergency Network [or GWEN]. GWEN will be a grid of 300 foot [tower height] unmanned relay stations, with EMP hardened LF transmitters and receivers. By transmitting "groundwaves", the radio signals will follow the earth's surface and will continue to functions in spite of the nuclear disruption of the ionosphere."

From Monitoring Times, August 1988, The "below 500 kHz" column.

The GWEN stations have been heard recently, after what was a fairly lengthy, rather quiet period. These send "packet radio" which requires special equipment to decipher or make sense of. With ordinary receivers, the sound can almost be described as hearing a couple of guys coughing. If you hear some unusual sounds in the 150-175 kHz area, it may well be some of the GWEN stations in operation. Information about them seems to be limited, as these are classified data.

Back to Nuclear Battlefields, Page 33.

"Another communications medium for use in nuclear war is "meteor burst communications" [MBC]. ... Billions of ionized meteor trails, constantly present in the atmosphere, can be used to reflect VHF radio signals. Due to the enormous amount of debris, and the wonders of modern technology, communications at the rate of 100 words per minute over distances of 1,200 miles can be reflected off the meteor trails. ... Since ionization would increase in a nuclear war, and thus enhance MBC communications, MBC plays a prominent role in the official fantasies of the post-attack communications. "

{So if you want to emulate the government after a nuclear war try either the Lowfer band (160-190 kHz) (Part 15) or 6 meter meteor scatter packet radio.}

markz@ssc.uucp

From 5674519343400219364
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c26dbdef5e2c86a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-28 10:32:57 PST
Path: gmdzi!unido!mcsun!ukc!acorn!agodwin
From: agodwin@acorn.co.uk (Adrian Godwin)
Newsgroups: rec.ham-radio

Subject: Re: FT-757 GX MEMORY BACKUP BATTERY
Message-ID: <3384@acorn.co.uk>
Date: 28 Sep 90 08:51:43 GMT
References: <30391@LNCC.BITNET>
Organization: Acorn Computers Ltd, Cambridge, UK
Lines: 13
Posted: Fri Sep 28 09:51:43 1990

In article <30391@LNCC.BITNET> USERFRFA@LNCC.BITNET (FRANCISCO ROGERIO FONTENELE ARAGAO) writes:
>SINCE ALL MEMORIES ARE CLEARED WHEN I TURN OFF MY YAESU FT-757 GX I SUSPECT
>THE MEMORY BACKUP BATTERY IS EMPTY. THE OPERATING MANUAL AND THE TECHNICAL

I had a similar problem on an FT73R, but the battery wasn't discharged -
one of the solder tags had come off the PCB, and the cell was flapping
around on a single fixing.

-adrian, G7HWN

--

Adrian Godwin (agodwin@acorn.co.uk)

From -3801036995228237980
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2bbfd4479d3dd49
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-28 10:53:42 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!caen!sdd.hp.com!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: Cleaning old Capacitors etc
Message-ID: <18230041@hpfcdj.HP.COM>
Date: 28 Sep 90 17:53:42 GMT
References: <9009260354.AA04453@tincan.sawyer.af.mil>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 15
Posted: Fri Sep 28 18:53:42 1990

>Back in the war days, the enemy would over-run our comm outposts and we would
>lose all the equipment and write it off. Later, the good guys would over-run
 ^^^^

FINALLY! Someone who knows how to spell "lose!"

(Hint: Folks, "loose" is the opposite of "tight.")

Bob Myers KC0EW   HP Graphics Tech. Div.| Opinions expressed here are not
                   Ft. Collins, Colorado | those of my employer or any other
myers@fc.hp.com | sentient life-form on this planet.

From -4621143082272414243
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5f9b709a44de62c7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-28 10:54:27 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!ucsd!sdd.hp.com!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: Building a Low Power AM transmitter
Message-ID: <18230042@hpfcdj.HP.COM>
Date: 28 Sep 90 17:54:27 GMT
References: <7184@darkstar.ucsc.edu>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 33
Posted: Fri Sep 28 18:54:27 1990

>   1) What is the legal limit of wattage or whatever a person
>   can broadcast at without an FCC license?

My recollection is 100 mW (that's MILLIwatts) DC input; there are also, I believe, restrictions on antenna length and height. The overall result is that you'll be very lucky to get a range of more than a couple of hundred feet or so to most broadcast receivers.

>   2) Does anyone know where I can find schematics and plans
>   to do this?

There are a number of simple "AM transmitter" construction projects in hobbyist-type books; check at your local library or Radio Shack. (RS used to have a kit for an AM transmitter, as well as for an FM "wireless mike"). However, please keep in mind that the restrictions are such that any license-free setup will be little more than a toy; you certainly can't build a "real" station - meaning one with any meaningful coverage at all - without an FCC license, and the requirements for a broadcast license are such that it is VERY unlikely that an individual could build a licensable station as a "home project." And if, with that said, you're tempted to set up as a "pirate" station...well, the FCC has a remarkable lack of a sense of humor about such things, and rightly so.

About the only way that a "broadcast" outlet can be set up *relatively* cheaply and hassle-free is the "carrier-current" type of station, as used by many college dormitories. This arrangement basically uses the building's AC wiring to carry a low-level signal, which again is very unlikely to make it very far outside the building.

Bob Myers KC0EW   HP Graphics Tech. Div.| Opinions expressed here are not

```
                   Ft. Collins, Colorado |  those of my employer or any other
myers@fc.hp.com                          |  sentient life-form on this planet.
```

From -6266273837111980191
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8bc313164c646283
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-28 11:42:26 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: CW decoder wanted
Summary: multimode controller?
Keywords: CW decoder
Message-ID: <282@ssc.UUCP>
Date: 28 Sep 90 18:42:26 GMT
References: <58625@wlbr.IMSD.CONTEL.COM>
Organization: very little
Lines: 28
Posted: Fri Sep 28 19:42:26 1990

In article <58625@wlbr.IMSD.CONTEL.COM>, jm@wlbr.imsd.contel.com (Jim Macropol)
writes:

> I am looking for a CW decoder box that feeds into an
> RS-232 serial line. I know that there are several
> plug-in boards for PCs out there, but that is not a
> viable option at this point.

At first I was going to suggest one of the el-cheapo 567 detectors that was
in the ham magazines in the late 1970s, until I read:

>
> I would prefer one that translates to ASCII, but I will
> look at anything that doesn't require my CPU to poll a
> line for transitions.

If you want one that puts out ASCII, you need one of the multimode
controller boxes, like the AEA PK232. This will do other modes (like
packet, AMTOR, Baudot, etc) too.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -8525264532999486947
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16cad57d6fd36514,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-28 14:14:18 PST
Path: gmdzi!unido!mcsun!uunet!know!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: Ethernet coax as feeder?
Message-ID: <8626@helios.TAMU.EDU>
Date: 28 Sep 90 19:30:15 GMT
References: <28.Sep.90.15:56:24.BST.#1144@UK.AC.NWL.IA>
Sender: usenet@helios.TAMU.EDU
Organization: Computer Science Department, Texas A&M University
Lines: 15
Posted: Fri Sep 28 20:30:15 1990

In article <28.Sep.90.15:56:24.BST.#1144@UK.AC.NWL.IA> PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon") writes:
>Hi; Anyone know if Thickwire Ethernet coax is any good as antenna feeder?
>Better or worse (or the same?) as CATV hardline??
>

A couple of years back, a friend (WB2BQW) and myself tested a spool of
yellow RG-8 Ethernet Cable. It was pure garbage. It does meet the spec
for RG-8 but just barely. It exhibited more attenuation at all freq.
above 30 Mhz than even the mini-foam RG-8 sold in places like Radio Shack.
I would consider it only as a last resort and definitely not for VHF and
up.

Your mileage may vary.

bill KB3YV

From 6535219672940620885
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,24ddb63fb320ce52,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-28 14:14:45 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!LEAV-EMH.ARMY.MIL!RTDIMO%GOR1
From: RTDIMO%GOR1@LEAV-EMH.ARMY.MIL (Larry Carr)
Newsgroups: rec.ham-radio
Subject: MOD for IC-2sat
Message-ID: <9009281554.AA10728@ucsd.edu>
Date: 28 Sep 90 15:33:09 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Fri Sep 28 16:33:09 1990

Somebody asked about a mod for 2sat that will allow receive 108-140MHZ AM

and other freq. To unlock VFO, turn set off. Press and hold simultaneously (at the same time) #, B, and light keys. TUrn set on and hold these keys for three or four seconds. You will get all kinds of stuff on display, but after all settles down, your VFO will be unlocked and you get:
108-140MHZ AM, 138-169MHZ FM and 310-370MHZ FM. These for sure, maybe more.
THis is receive only. Good Luck.

```
From -4995511034728130298
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16cad57d6fd36514
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-28 22:44:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: Ethernet coax as feeder?
Message-ID: <254@bongo.UUCP>
Date: 29 Sep 90 05:44:31 GMT
References: <28.Sep.90.15:56:24.BST.#1144@UK.AC.NWL.IA>
Organization: The Hole in the Wall  Hollywood California U.S.A.
Lines: 36
Posted: Sat Sep 29 06:44:31 1990
```

In article <28.Sep.90.15:56:24.BST.#1144@UK.AC.NWL.IA>, PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon") writes:

> Hi; Anyone know if Thickwire Ethernet coax is any good as antenna feeder?
> Better or worse (or the same?) as CATV hardline??
>

First of all CATV hardline is 75 Ohms, The thick yellow Ethernet stuff is 50 Ohms. I would say that per 100 Meters the Heavy solid aluminium jacket CATV stuff has less loss than Ethernet cable.

But the question I would like answered myself is, how does the yellow jacketed thick Ethernet cable compare to RG8U? The RG8U cable is designed for outdoor use, we can assume that the designer yellow stuff is not. Now thin Ethernet cable is RG58u, plain and simple. So why the yellow stuff for thick cable?

My Belden catty (Master Catalog 885) Page 187 has Ethernet thick cable - Yes there is a plenum version available to keep the cranky building inspectors at bay. The specs say it is 50 Ohm. The insulation is Cellular Polyethylene (Foamed Teflon for the plenum stuff). The OD is 10.28 mm for regular and 9.53 mm for the plenum stuff. Now Belden 8214 (RG8/u type) has an OD of 10.29. These dimensions are to help those who would want to stuff the cable into a regular 50 Ohm N connector.

As this is Ethernet cable and it has recommended working distances, Belden don't bother to post the attenuation figures. My guess is that would be about the same as regular RG8. If you can get this stuff free and can live with the trendy yellow jacket, make the best of it.

Maybe someone else has the actual attenuation figures of this stuff. Maybe someone could also explain why not use RG8 for Ethernet cable. I don't know what the price difference between Ethernet cable and RG8 is. That alone may explain much.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From -3434952627525378318
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c42431bc94860997
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-28 23:21:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!psuvax1!rutgers!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: Novice test code requirement... Again.
Message-ID: <40198@cci632.UUCP>
Date: 28 Sep 90 18:17:37 GMT
References: <90269.121355DOW@MAINE.BITNET> <1371@ke4zv.UUCP>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 22
Posted: Fri Sep 28 19:17:37 1990

In article <1371@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:

>In article <90269.121355DOW@MAINE.BITNET> DOW@MAINE.BITNET (Michael R. Dow) writes:
>> I actually *enjoyed* learning the code! It wasn't hard. As a matter
>>of fact, it was easy. Regardless of the fights against the code requirement,
>>I do not believe that 5 wpm is a difficult requirement whatsoever.

 ...

>YOU *enjoyed* learning the code. It wasn't hard (for YOU). As a matter
>of fact, it was easy (for YOU). YOU do not believe that 5 wpm is a difficult
>(for YOU) requirement.

Notice how Mike's sentence starts with the word "I". His point was to relate his personal experience. Lighten up - it wasn't aimed to belittle you. The way to get NO-CODE is through comprimise and reasonable thought, it is *NOT* to try to make those who learned and enjoyed CW feel guilty about it.

What does "difficult" mean to YOU? You want to be able to do it in 10 minutes? Ptpth. Most people are perfectly capable of learning CW. It takes time and effort, too. The new changes in testing procedures for the handicapped encourage it. Try arguing about whether or not it is NECESSARY to have CW tests; that's a little more to the point.

WZ2B

From 3664286670563122054
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d4cdf783ec33f0cd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-28 23:21:50 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!ucsd!ucbvax!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: Need hi-gain VHF TV Antenna
Message-ID: <1250241@hpnmdla.HP.COM>
Date: 28 Sep 90 13:48:17 GMT
References: <1997@oucsace.cs.OHIOU.EDU>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 21
Posted: Fri Sep 28 14:48:17 1990

Pete,

A small antenna is antithetical to high gain at VHF. I don't know that you could put it up, but a wire rhombic can have quite high gain. You can make one out of hookup wire but you'll need to be able support it at four points at least 15' above the ground, perhaps one support point could be your building.

I'll have to go verify the dimensions, but a high band TV rhombic about 35 feet across the narrow way (orthogonal to direction of station) and 120 feet the long way, terminated at the far end can be fed with 300 ohm twinlead and perform better than the best commercial antenna you can buy.

I think the question is wheter you could get the powers-that-be to let you install a wire rhombus of that size...

Let me know if you need more detail, I have some numbers around here somewhere (as well as a Collins radio paper on rhombics from the '50s).

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From -4497379918386491437
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c42431bc94860997
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-29 04:27:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!usc!cs.utexas.edu!yale!venus!yalevm!maine!dow
From: DOW@MAINE.BITNET (Michael R. Dow)
Newsgroups: rec.ham-radio
Subject: Re: Novice test code requirement... Again.
Message-ID: <90272.072732DOW@MAINE.BITNET>
Date: 29 Sep 90 11:27:32 GMT
References: <90269.121355DOW@MAINE.BITNET> <1371@ke4zv.UUCP>

Organization: University of Maine System
Lines: 61
Posted: Sat Sep 29 12:27:32 1990

In article <1371@ke4zv.UUCP>, gary@ke4zv.UUCP (Gary Coffman) says:
>
>
>YOU *enjoyed* learning the code. It wasn't hard (for YOU). As a matter
>of fact, it was easy (for YOU). YOU do not believe that 5 wpm is a difficult
>(for YOU) requirement.
>
>OTHER people have found learning the code difficult. OTHER people have not
>found learning code enjoyable. OTHER people have given up hope of becoming
>amateur operators because of the code. OTHER people don't find the code
>requirement relevant.
>
>But, since the world revolves around YOU, none of this matters. YOU got
>YOUR license. What do YOU care about OTHER people.
>
>Gary KE4ZV

Gary, I'm very disturbed by your lack of thought concerning my posting. In the beginning of my posting, I prefaced it with *I* ... These were *my* feelings; I was not attempting to say that 'this is the way it is'.

You, on the other hand, displayed a true lack of 'brotherhood' in the advancement of ham radio. Yes, I agree that certain people have trouble learning the code. I maintain that in most of these cases, it is because 1) they choose to have a hard time at it by a lack of HONEST effort over a period of time and 2) because people like you promote the attitude that its silly and you don't need to learn it. "You can cheat your way through this way: let me show you. "

I'm sorry you have had such a bad experience with CW. I tend to think that CW is a necessary barrier of entry. I think of Ham Radio much the same waay as music. (I have been a musician for 18 years.) Many people want to be a musician and (for instance) play the guitar. Playing the guitar takes several things: Time, desire, ambition, patience, diligence and PRACTICE. If even one of these things is lacking, the person will not be successful in learning the instrument. (By the way, there's no way to cheat on a guitar test.) I submit that the same requirements exist for learning the code for the ham radio tests.

Gary, I do hope that you can learn to further the efforts of ham radio operators in a more respected manner than what you are displaying. It is a worthy hobby of talented and willing individuals. Perhaps one of the reason the code requirement exists is to keep out people who will be a detriment to the radio community as a whole. (I bring to mind the recent 20 meter wars, and also leave you to think of the deplorable condition of 11 meters.)

I, personally, will continue with my enjoyment of CW and will more than

gladly put forth the honest time and effort to speed up to 13 and even
20 WPM. It will be difficult, but after playing the acoustic guitar for
over 16 years, I know what diligence is and how it pays off. While my
primary use of the bands will be voice usage after I upgrade, I feel that
CW is necessary. And, I hope that my mentor (I fear to call him an Elmer,
his hair isn't grey enough! :-)) doesn't have such discouraging words
as you do. Otherwise, I would probably abandon ham radio completely.

Michael R. Dow
Dow@Maine.maine.edu
<no callsign in the mailbox yet>

From 1513507008966855559
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e36867db917f3497,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,e36867db917f3497,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-09-29 05:43:47 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!snorkelwacker!mit-eddie!uw-beaver!fluke!swifty
From: swifty@tc.fluke.COM (Steve Swift)
Newsgroups: sci.electronics,rec.ham-radio
Subject: VLF Stations
Message-ID: <1990Sep28.173731.670@tc.fluke.COM>
Date: 28 Sep 90 17:37:31 GMT
Organization: John Fluke Mfg. Co., Inc., Everett, WA
Lines: 16
Xref: gmdzi sci.electronics:8879 rec.ham-radio:15192
Posted: Fri Sep 28 18:37:31 1990

Several months ago someone posted an article listing
VLF time and frequency standard stations. This list
covered about 16kHz to 200 kHz. I am wondering if
anyone has a list covering all VLF stations from
10 kHz to about 100 kHz. If you have one, please post
it or mail it. Thanks.

--

            Steve Swift
    Domain: swifty@tc.fluke.COM
    Voice: (206) 347-6100, Ext. 5737 direct: 356-5737
    UUCP: {microsof,sun}!fluke!swifty
US mail: John Fluke Mfg. Co./ P.O. Box C9090/ MS 241F/ Everett WA 98206

From 1689731832170022557
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,bed8e0d8446be39a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-29 05:59:46 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!mikemr
From: mikemr@microsoft.UUCP (Michael MRAZ)
Newsgroups: rec.ham-radio
Subject: Re: Performance of QRP/homebrew transmitters and receivers
Summary: Please...
Keywords: QRP
Message-ID: <57812@microsoft.UUCP>
Date: 28 Sep 90 18:56:34 GMT
References: <1990Sep24.011047.8509@uokmax.ecn.uoknor.edu> <57680@microsoft.UUCP> <5415@ptsfa.PacBell.COM>
Distribution: rec
Organization: Microsoft Corp., Redmond WA
Lines: 3
Posted: Fri Sep 28 19:56:34 1990

Dave, I'd be interested in the reference to the Collins article.
Thanks, Mike   N6MZ

From 8020400177514219116
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cad22af9ec18ec66,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-29 08:01:42 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!cs.utexas.edu!news-server.csri.toronto.edu!torsqnt!geac!alias!imax!dave
From: dave@imax.com (Dave Martindale)
Newsgroups: rec.ham-radio
Subject: Improve the squelch in a Pro-2005
Message-ID: <1990Sep29.004135.5994@imax.com>
Date: 29 Sep 90 00:41:35 GMT
Sender: dave@imax.com (Dave Martindale)
Organization: Imax Systems Corporation, Oakville Canada
Lines: 116
Posted: Sat Sep 29 01:41:35 1990

In the past, Bob Parnass has posted instructions here for reducing squelch hysteresis for a variety of scanners (the article is titled "Improve the Squelch in your Monitor Receiver"). It included instructions for various Radio Shack scanners, but not the 2005. I've made the change to my 2005; here's the info for anyone else who'd like to do the same.

First the problem: the 2005's squelch has a considerable amount of hysteresis, so that once the scanner has "latched onto" a station, it will stay on-channel until the transmission has ended, even if the signal strength is varying. Unfortunately, if you set the squelch high enough so that it remains squelched on unused channels, the scanner will miss weak stations entirely. If you reduce the squelch control to receive the weak stations, the scanner will not scan - it stops on every channel.

Modifying the radio to reduce the squelch hysteresis allows very weak signals to trip the squelch - you can scan for weaker stations. The price you pay is that varying signal strength will cause the squelch to "pop" in and out, and the receiver may resume scanning in the midst of a call. Even if you set the squelch control higher to receive only stronger channels, they are still subject to popping - it's the change in strength that matters. By adjusting the value of the resistor that provides hysteresis, you can select any tradeoff between extra sensitivity and popping.

Next, the warning: The PRO-2005 uses mostly surface-mount components, which are considerably harder to work with than standard ones. If you haven't worked with surface-mount before, don't make this your first project. The resistors are held on the board both with solder and a small dab of glue, so this isn't going to be easy. I did OK with a temperature-controlled soldering iron, desoldering wick, and an X-acto knife; commercial equipment intended for working with surface mount parts would be better.

You should also obtain the service manual for the scanner - it will help you understand what is going on.

The basic info: If you've had your 2005 apart before, and are familiar with it, here's all you need to know: The squelch hysteresis is set by resistor R152, a 33 K-ohm resistor on the underside of the linear board, connected between pins 12 and 14 of IC2. IC2 is a TK10420, the 16-pin DIP closest to the front of the scanner on the linear board.

The original resistor is a so-called "0805"-series resistor - this means it's .080 by .050 inches in size. Replacing it with another surface-mount part is neatest, but you can use a conventional 1/8-W resistor as well, and this is probably best if you're going to experiment with different values. I replaced my R152 with a 220 K resistor, and this gives somewhat too little hysteresis for my taste. You might want to try 150 K or 200K instead.

More detailed instructions: There are 3 main circuit boards in the scanner. The large one visible when the scanner's top is removed is the "linear" board. The smaller board revealed by removing the bottom cover is the "PLL" board. And the one behind the front panel is the "CPU" board. Major disassembly is required to get at R152:

- unplug scanner, remove backup battery

- remove top and bottom covers

- disconnect all connectors connecting the linear board to the two other boards, including 2 coax cables between PLL and linear board

- remove the front panel and its ground straps (6 screws). (If you want to change the configuration-setting diodes, this is the time to do it).

- it makes reassembly easier if you remove the PLL board at this point, though it isn't absolutely necessary

- remove all screws holding the linear board in place. There are 13:

    - 2 holding the external antenna jack and attenuator switch subpanel to the rear panel
    - 2 holding Q32 and IC8 to the frame for heatsinking
    - 9 holding the PCB itself. One of these is *inside* the metal shield can that is nearest the scanner front

- unsolder power transformer and backup battery wires if you wish (not strictly necessary)

- if you did not remove the PLL board, pry up the front of the linear board until it disengages from the 4-pin connector on the PLL board that comes through a hole in the chassis

- pull the linear board forward to disengage the jacks from the rear of the chassis

- find IC2 (TK10420), the 16-pin DIP nearest the front of the board. R152 is below the body of IC2 on the other side of the board, connected between pins 12 and 14

- remove R152 with whatever means you have, then solder in the new resistor.

- reassemble in the reverse order, with the following notes:

    - if you didn not remove the PLL board, use great care in re-installing the linear board to ensure that the 4-pin connector joining the two boards aligns correctly. You may have to bend one side to make this happen.

    - if you did remove the PLL board, re-install it after the linear board, and make sure the 4-pin connector lines up properly

    - note that the screws that hold Q32 and IC8 are longer than those that hold the circuit board

As usual, this will visibly void the warrany of your scanner, so proceed carefully and don't break anything!

Dave Martindale

From 4352103313491346525

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,306823733afb330a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-29 08:25:15 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!haven!adm!cmcl2!lanl!
stevens@mpx2.lampf.lanl.gov
From: stevens@mpx2.lampf.lanl.gov (Stevens, Thaddeus C.)
Newsgroups: rec.ham-radio
Subject: 88 to 108 Mhz FM xmtr
Message-ID: <64461@lanl.gov>
Date: 29 Sep 90 14:11:25 GMT
Sender: news@lanl.gov
Reply-To: stevens@mpx2.lampf.lanl.gov
Organization: LAMPF Data Analysis Center, Los Alamos, New Mexico
Lines: 8
Posted: Sat Sep 29 15:11:25 1990
Sender:Thaddeus C. Stevens KG5ES

Hello !

I wonder if anyone out there knows if low powered unlicensed xmtrs operating
in the 88 to 108 Mhz band are legal and what is the max output power ?
Or a reference as to where I might find this information...

Thanks,
Thad   KG5ES

From 4947712096404035485
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,39db65440d2627d0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-29 08:30:18 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!uwm.edu!zaphod.mps.ohio-state.edu!swrinde!
ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Re: Code Tset Gimmick. Was: Ham Radio Liscense
Message-ID: <9009290233.AA05977@tilde>
Date: 29 Sep 90 02:33:56 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6
Posted: Sat Sep 29 03:33:56 1990

Gary says he used the gimmic (writing the dots and dashes) to pass his Advanced.
Say, Gary, did you go straight to Advanced from 5WPM?   Anyway, I'd really
love to see a repeat performance. I tried doing that and found it harder to
learn to do that than to learn the code.

73,   Dube   N5PDK

```
From 9037994332939195810
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8924141da8b9b38a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-29 08:58:19 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!
ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was Re:
Message-ID: <9009290255.AA06342@tilde>
Date: 29 Sep 90 02:55:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6
Posted: Sat Sep 29 03:55:00 1990
```

Phil Howard reports rationalizations for the use of his non-type-accepted-for-police-band-use radio to talk to the cops in the event of an emergency. We're all waiting with baited breath to see what happens. Phil, have you volunteered to be the guinea pig? Please keep us posted. Curious minds want to know.
73,   Dube   N5PDK

```
From -5855265841918214287
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,212e6a4f46acd501
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-29 09:24:31 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!
zaphod.mps.ohio-state.edu!mips!prls!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: STS-35 delays and NASA-bashing
Message-ID: <1990Sep28.193130.8957@informix.com>
Date: 28 Sep 90 19:31:30 GMT
References: <9009211307.AA22241@ucsd.edu> <4617@qip.UUCP>
Sender: news@informix.com (Usenet News)
Organization: Informix Software, Inc.
Lines: 26
Posted: Fri Sep 28 20:31:30 1990
```

The problem is not that NASA "oversold" the shuttle program. (They did this, but it's not the biggest problem.) The real problem is that NASA has not received sufficient funding since the days of Apollo. They had no choice but to develop as cheap a manned space vehicle as possible. The U.S. government, and the American people, expect a turbo-Porsche from NASA but are only willing to pay for a Yugo. As it is, NASA has received funding for a Yugo but at least have produced a Chevy. Chevys break down a lot, but they work.

We should be thankful for what we've gotten from NASA, considering the low funding they've received. I remember when Reagan told NASA that "the shuttle program will have to pay for itself." This unreasonable demand forced the agency to schedule far too many shuttle missions in 1986, which is one of the biggest reasons why the Challenger was launched on that cold January morning.

I know that hams and the rest of the country are frustrated with the shuttle program right now, but in my opinion, the country is getting what it deserves.

```
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                          Informix Software, Inc.
KK6MY                                            uunet!pyramid!infmx!randall
--
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                          Informix Software, Inc.
Senior Programmer/Analyst, MIS                   uunet!pyramid!infmx!randall
```

From -5724509056009072506
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bed8e0d8446be39a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-29 09:31:55 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!mips!prls!pyramid!infmx!randall
From: randall@informix.com (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: Performance of QRP/homebrew transmitters and receivers
Keywords: QRP
Message-ID: <1990Sep28.194742.9216@informix.com>
Date: 28 Sep 90 19:47:42 GMT
References: <1990Sep24.011047.8509@uokmax.ecn.uoknor.edu>
Sender: news@informix.com (Usenet News)
Distribution: rec
Organization: Informix Software, Inc.
Lines: 24
Posted: Fri Sep 28 20:47:42 1990

It is quite fun to build your own QRP CW rig. I built a "Tuna Tin 2" from the ARRL's "Weekend Projects" book and had a lot of fun with it.

However, I would not encourage new hams to do this. As an inexperienced operator, you will become frustrated with your 1/2 watt signal. You won't make many QSOs, you'll get frustrated, and then you might even give up the hobby.

You are better off hunting down an old tube-type transmitter at a hamfest. I started with a Drake TR4, and was quite happy with it until I sold it, so I could buy an ICOM 735.

I would recommend Doug DeMaw's "Help for New Hams", which is sold by the ARRL. Doug also wrote the article about the "Tuna Tin 2". His advice for new HF hams is to run about 100 watts to start, and then to go to QRP when you've gained experience.

```
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                               Informix Software, Inc.
KK6MY                                                  uunet!pyramid!infmx!randall
--
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Randall Rhea                                               Informix Software, Inc.
Senior Programmer/Analyst, MIS                         uunet!pyramid!infmx!randall
```

From -8002629045020563881
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1dc8242f08092d3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,1dc8242f08092d3,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-09-29 14:28:05 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!psuvax1!rutgers!mephisto!udel!princeton!kb2ear!n2aam
From: n2aam@kb2ear.UUCP (Dave Marthouse N2AAM)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: the ATS satellites
Keywords: vhf ats satellite southpole communications
Message-ID: <6@kb2ear.UUCP>
Date: 29 Sep 90 01:18:44 GMT
Organization: KB2EAR Public Access UN*X System, Kendall Park, NJ
Lines: 18
Xref: gmdzi rec.radio.shortwave:2245 rec.ham-radio:15209
Posted: Sat Sep 29 02:18:44 1990

I recall that there was a satellite active a few years back called ats1. This bird handled communications from scientists at the south pole back to the us. The frequency used was around 136mhz. Is this bird still active? If not, where are the communications from the pole taking place? I know that other ats birds have been launched. Do they still use vhf 136mhz? Any information would be appreciated.

Dave Marthouse   n2aam@kb2ear.uucp

From 4688228031805434662
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,b31f525191e05550
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-29 14:38:55 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: QSOs by appointment?
Summary: No, contacts back home
Message-ID: <45271@apple.Apple.COM>
Date: 29 Sep 90 17:01:32 GMT
References: <251@bongo.UUCP>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 40
Posted: Sat Sep 29 18:01:32 1990

In article <251@bongo.UUCP> julian@bongo.UUCP (Julian Macassey) writes:

> I noticed on Page 15 that on of the picture captions said: "...The PC is used to log contacts and communicate via Inmarsat." I wondered why, they had a boat offshore, which according to the story had full Nav and Comms. Why, with all that Amateur Radio gear around on this storm lashed piece of rock do they need to chopper in an Inmarsat terminal? Must be so they can assure the XYLs at home that they are eating well and sending out their laundry.
>
> than 25 hours of hard labour, punctuated by only a few hours of sleep, we were quite exhausted. Happy and ready for the DX operation, we moved up to 14.145 MHz and Einar worked LA6VM as the first station."
>
> Only a cynic would envision a scenario where an exchange is made via Inmarsat to schedule a CW QSO on 20 Meters. Amazing where technology has taken us.

I certainly don't have a problem with a DXpedition handing out the first contact to someone who was a major force in making the trip happen but who stayed home to coordinate things at that end. As you'll notice from the article, LA6VM was one of the founders of Club Bouvet as well as its QSL manager. He provided invaluable assistance in gathering the funds and equipment necessary for this trip, as he did a few years ago for the first-ever Peter I DXpedition.

I think having alternate comms capability with your support staff back home is an excellent idea. I've heard DXpeditions trying to get important information back to their families and ham assistants on 20m. Sometimes they get interrupted (or jammed :-( ) by other people.

The Inmarsat idea sounds smart to me.

Patty

--

****

Patty Winter N6BIS   INTERNET: winter@apple.com

```
AMPR.ORG: [44.4.0.44]                    UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From -5857901238731376331
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1d74b9d37dc93207,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-29 14:52:55 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!ucsd!ucbvax!
BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletin Format
Message-ID: <9009291712.AA28159@blackbird.afit.af.mil>
Date: 29 Sep 90 17:12:55 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 69
Posted: Sat Sep 29 18:12:55 1990

As a service to the satellite user community, the following description of the NASA Prediction Bulletin's two-line orbital element set format is uploaded to sci.space on a monthly basis. The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

==

Data for each satellite consists of three lines in the following format:

```
AAAAAAAAAAA
1 NNNNNU NNNNNAAA NNNNN.NNNNNNNN +.NNNNNNNN +NNNNN-N +NNNNN-N N NNNNN
2 NNNNN NNN.NNNN NNN.NNNN NNNNNNN NNN.NNNN NNN.NNNN NN.NNNNNNNNNNNNNN
```

Line 1 is a eleven-character name.

Lines 2 and 3 are the standard Two-Line Orbital Element Set Format identical to that used by NASA and NORAD. The format description is:

Line 2

Column	Description
01-01	Line Number of Element Data
03-07	Satellite Number
10-11	International Designator (Last two digits of launch year)
12-14	International Designator (Launch number of the year)
15-17	International Designator (Piece of launch)
19-20	Epoch Year (Last two digits of year)
21-32	Epoch (Julian Day and fractional portion of the day)
34-43	First Time Derivative of the Mean Motion

	or Ballistic Coefficient (Depending on ephemeris type)
45-52	Second Time Derivative of Mean Motion (decimal point assumed; blank if N/A)
54-61	BSTAR drag term if GP4 general perturbation theory was used. Otherwise, radiation pressure coefficient. (Decimal point assumed)
63-63	Ephemeris type
65-68	Element number
69-69	Check Sum (Modulo 10) (Letters, blanks, periods = 0; minus sign = 1; plus sign = 2)

Line 3

Column	Description
01-01	Line Number of Element Data
03-07	Satellite Number
09-16	Inclination [Degrees]
18-25	Right Ascension of the Ascending Node [Degrees]
27-33	Eccentricity (decimal point assumed)
35-42	Argument of Perigee [Degrees]
44-51	Mean Anomaly [Degrees]
53-63	Mean Motion [Revs per day]
64-68	Revolution number at epoch [Revs]
69-69	Check Sum (Modulo 10)

All other columns are blank or fixed.

Example:

```
NOAA 6
1 11416U          86 50.28438588 0.00000140           67960-4 0  5293
2 11416  98.5105  69.3305 0012788  63.2828 296.9658 14.24899292346978
```

Note that the International Designator fields are usually blank, as issued in the NASA Prediction Bulletins.

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

From 4498379297389470890
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20a4d1bb74ec0ee5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-29 16:19:09 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!THESIS1.HSCH.UTEXAS.EDU!jmaynard
From: jmaynard@THESIS1.HSCH.UTEXAS.EDU (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Walker Tompkins' callsigns
Message-ID: <9009291331.AA28479@ucsd.edu>
Date: 29 Sep 90 13:32:03 GMT
References: <9009291130.AA25580@ucsd.edu>
Sender: daemon@ucbvax.BERKELEY.EDU

Organization: The Internet
Lines: 17
Posted: Sat Sep 29 14:32:03 1990

Ken Hendrickson, N8DGN/6, asks the musical question...
>> In article <9009270406.AA16704@ucsd.edu> jmaynard@THESIS1.HSCH.UTEXAS.EDU (Jay Maynard) writes:
> >call WV7XNN...the WV7 prefix would be kosher, but the XNN suffix is a no-no.
> What is wrong with the XNN suffix?

2x3 callsigns with suffixes beginning with X aren't used in the amateur service; they're reserved for Part 5 experimental stations. About 12 years ago or so, the FCC issued a bunch of WB5Xxx calls; they all were issued replacement licenses when the FCC realized their mistake. If you hear someone signing WB5Yxx, ask them...chances are that they got an X-call first.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
"It's a hardware bug!" "It's a   +------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_

From -6672264609951217023
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,514d28a4bd0a8383,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-29 16:38:45 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Webster Smogpule III)
Newsgroups: rec.ham-radio
Subject: QSOs by appointment
Keywords: gotcha
Message-ID: <37785@ut-emx.uucp>
Date: 29 Sep 90 18:11:15 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 37
Posted: Sat Sep 29 19:11:15 1990

julian@bongo.UUCP (Julian Macassey) roguishly sez:
----
those amazing coincidences that makes life so worth while: "After more than 25 hours of hard labour, punctuated by only a few hours of sleep, we were quite exhausted. Happy and ready for the DX operation, we moved up to 14.145 MHz and Einar worked LA6VM as the first station."

Only a cynic would envision a scenario where an exchange is made via Inmarsat to schedule a CW QSO on 20 Meters. Amazing where technology has taken us. I assume all the CW gear was to back up the Inmarsat terminal (-:

Well, 14145 is only a CW freq in the USA (although the 3Y5X operation might have you believe otherwise). No, 14145 from Bouvet and from Norway is that

old-fashioned talking-type Shouting, Screaming and Barking mode (it's usually abbreviated "SSB"). No way they could get on and call LA6VM ("others please stand by, this is 3Y5X"). OK, it might not have worked on CW either, but you can't use this incident as an excuse for CW-bashing.

Patty's right, if I were the QSL manager and major organizer of a thing like this, I'd want a QSO for sure. It's actually quite conceivable that LA6VM was on the qui vive hourly, but yes, they probably did use the other link to set up the schedule. I would have done that too.

But regardless of the above, one does have to wonder about the sanity of the whole thing. Of course, it wasn't just a ham radio visit, there were biologists and such (see page 16 picture of two penguins being strangled to keep the population down), but in this case they tagged along with the radio guys, rather than the other way around as often happens with these things. You can't get much for $330,000 these days, and the various postal services did quite well out of the operation.

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From -4312787153489148885
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e0a73ab44f4d3b32,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-29 16:52:14 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: Need ICOM R-1 Manual in English!
Message-ID: <9009291844.AA08633@ucsd.edu>
Date: 29 Sep 90 18:44:14 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 2
Posted: Sat Sep 29 19:44:14 1990

I can help, if you want a photo-copy of it. There's a scanned copy in Postscript somewhare around also, but it's pretty crufty looking.

From -5320778073645657031
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e0a73ab44f4d3b32
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-29 17:29:40 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-

state.edu!mips!apple!wdc
From: wdc@Apple.COM (Wayne Correia)
Newsgroups: rec.ham-radio
Subject: Need ICOM R-1 Manual in English!
Message-ID: <45269@apple.Apple.COM>
Date: 29 Sep 90 07:04:59 GMT
Organization: Apple Computer Inc., Cupertino, CA
Lines: 7
Posted: Sat Sep 29 08:04:59 1990

I have an ICOM R-1 that a friend picked up for me in Japan
but I really need a copy of the owner's manual in English!

Please send me email if you can help me out...

wayne
n6rsc

From 6653843533022615069
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3c65ed118ac20d0b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-29 17:55:02 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!uakari.primate.wisc.edu!
ames!uhccux!uhunix1.uhcc.Hawaii.Edu!johns
From: johns@uhunix1.uhcc.Hawaii.Edu (John P. Shalamskas)
Newsgroups: rec.ham-radio
Subject: Re: Hand held radios on airlines
Message-ID: <9610@uhccux.uhcc.Hawaii.Edu>
Date: 29 Sep 90 04:41:31 GMT
References: <43146@sequent.UUCP>
Sender: news@uhccux.uhcc.Hawaii.Edu
Organization: University of Hawaii
Lines: 14
Posted: Sat Sep 29 05:41:31 1990

I gave the airline security guys a fright with my ham gear this summer.
Travelling from Honolulu to San Francisco, I had packed a 2 meter
handheld and a bunch of spare battery packs. Just for good measure
I threw in the wall charger and the speaker mic too, just stuffed
into a small box.

It must have looked like a standard Hollywood mad bomber device on the
X-ray scanner. Drew a crowd of security, until I told them that it was
just a bunch of radio parts.

The moral of the story is: pack neatly, and try not to carry a slew
of battery packs around. Besides, they are heavy!

From 6821977702321917159
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3ad823746c809ef,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-29 21:18:50 PST
Path: gmdzi!unido!mcsun!uunet!world!decwrl!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio
Subject: Solar Terrestrial Review
Message-ID: <900929221850.23002d98@HG.ULeth.CA>
Date: 30 Sep 90 04:18:50 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 104
Posted: Sun Sep 30 05:18:50 1990

--- SOLAR TERRESTRIAL REVIEW ---

August and September 1990

Report Issued from Data Released by the
Space Environment Services Center
Boulder Colorado

MONTHLY ACTIVITY SUMMARY AND SOLAR CYCLE OUTLOOK SEPTEMBER 1990 - MARCH 1991

We are now in month 48 of solar cycle 22. Average activity levels and solar indices made a substantial increase in August. Daily values for 10 cm flux, sunspot number and sunspot area reached some of the highest values observed yet this year. In particular, the 10 cm flux value of 315 observed on 26 August was the highest since the 321 observed on 16 June 1989 and the sunspot number of 18 August (394 observed at Boulder) was the highest value since the 395 observed on 10 September 1989. The increases in these indices was sufficient to produce a slight increase in the smoothed values for February 1990. In response to this increase in the smoothed sunspot numbers, the prediction model has risen a little for the next few months, however, not enough to result in a new cycle maximum being predicted. The sharp rise in average smoothed sunspot numbers over the last two months gives a definite impression that the possibility indeed exists for the solar cycle to rise past its July 1989 mark of 158.1. Although to do so it would require several more months of activity equal to that of August's levels.

Flare activity was also up in August. Nearly double the number of energetic events observed in July. Including the largest flare in more than three months, an X3/2B Tenflare with type IV radio sweep from Region 6233 at 21:06 UT on 27 August. This region was by far the most active, producing nearly half of the energetic events observed. Other activity of interest included a satellite level proton event which began at 00:05 UT on 01 August and ended at 11:45 UT on 03 August after reaching a maximum of 230 pfu at 20:15 UT on 01 August. A slight Forbush decrease and a 5 db polar cap absorption accompanied this event.

This activity was most likely in response to a long duration M4/2B flare from Region 6180 on 27 July. There were two days of geomagnetic storming at middle latitudes and eight days at high latitudes, including one day of severe storm levels on 23 August. A large filament which disappeared 17-18 August is believed responsible for the 23 August activity.

The increase in activity observed in August may be the beginning of the peak that has been anticipated for several months and is expected to occur in September or October (although very recent analysis indicates that this potential peak may not materialize until October or perhaps November). In any case, this increase in activity lends credence to the belief that solar cycle 22 will have an extended maximum with numerous periods of both high and low activity through 1992.

RECENT SOLAR INDICES (PRELIMINARY) OF THE OBSERVED MONTHLY MEAN VALUES

YEAR = 1988

	Sunspot Numbers					Radio Flux		Geomagnetic	
	Observed		Ratio	Smooth Values		Ottawa	Smooth		Smooth
	SESC	RI	RI/SESC	SESC	RI	10 cm	Value	Ap	Value
Sep:	153.5	120.1	.79	154.4	121.2	152.5	165.0	12	14.2
Oct:	163.7	125.1	.76	160.5	125.2	169.8	171.6	13	15.7
Nov:	153.8	125.1	.82	168.3	130.2	156.2	177.5	12	16.1
Dec:	229.5	179.2	.78	180.1	137.4	199.8	184.8	13	16.5
YEAR = 1989									
Jan:	203.2	161.6	.80	189.2	141.9	235.4	190.2	19	16.7
Feb:	211.0	164.5	.78	196.0	144.7	222.4	194.0	15	17.0
Mar:	176.8	131.0	.74	204.1	149.4	205.1	199.7	41	17.6
Apr:	172.3	129.3	.75	209.9	153.1	189.6	204.4	23	18.2
May:	207.0	138.4	.67	216.4	156.5	190.1	209.3	16	18.8
Jun:	297.3	196.0	.66	220.1	157.9	239.6	213.1	17	19.2
Jul:	193.9	126.8	.65	221.1	158.1	181.9	212.6	8	19.1
Aug:	243.0	166.8	.69	221.5	157.4	217.1	209.7	20	19.3
Sep:	240.7	176.8	.74	221.3	156.3	225.9	207.2	17	18.8
Oct:	217.4	158.5	.73	223.2	157.1	208.7	206.3	21	18.3
Nov:	255.0	173.0	.68	223.4	157.3	235.1	206.1	19	18.4
Dec:	217.8	166.1	.76	217.3	153.3	213.0	203.3	16	18.4
YEAR = 1990									
Jan:	239.3	179.4	.75	212.4	150.3	210.1	200.4	14	18.6*
Feb:	184.7	128.4	.71	213.9	152.5*	178.3	200.5*	23	18.9*
Mar:	198.6	140.8	.71			188.8		23	

```
Apr:  196.1  139.8  .71                       185.3           27
May:  187.7  132.0  .70                       189.7           16
Jun:  168.9  105.2  .62                       170.9           16

Jul:  204.3  147.0  .72                       180.7           15*
Aug:  269.4  199.9* .74*                      221.6*          19*
```

* = Preliminary estimates

The lowest smoothed sunspot number for Cycle 21, RI = 12.3, occurred in September 1986.

** End of Review **

From 8647108179318981992
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,40fe92cece3a3d14,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-29 21:22:00 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!wuarchive!decwrl!ucbvax!OSUCC.BITNET!AGENGCC
From: AGENGCC@OSUCC.BITNET
Newsgroups: rec.ham-radio
Subject: Need Weather Satellite info
Message-ID: <9009300430.AA29795@ucsd.edu>
Date: 30 Sep 90 04:22:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Sun Sep 30 05:22:00 1990

I need to put together weather satellite receiving station
for GEOS birds. I need the best resolution and and the best
gray scale possible. The output will end up on IBM
compatible computers. I believe I would prefer separate
receiver and WFAX board. I am also interested in the higher
resolution data available from both the GEOS and low orbit
birds.
   Any help welcome.
--
AGENGCC@OSUCC Gordon Couger N5QAQ

From 3477236038547128502
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c79ea99210226955,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-29 21:34:02 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!HG.ULeth.CA!std_oler
From: std_oler@HG.ULeth.CA (Cary Oler)
Newsgroups: rec.ham-radio

Subject: Solar Terrestrial Forecast and Review
Message-ID: <900929223402.23002d98@HG.ULeth.CA>
Date: 30 Sep 90 04:34:02 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 258
Posted: Sun Sep 30 05:34:02 1990

--- SOLAR TERRESTRIAL FORECAST AND REVIEW ---

September 29 to October 09, 1990

Report Based In-Part from Data Obtained from the
Space Environment Services Center
Boulder Colorado

GRAPHICAL ANALYSIS OF RECENT GEOMAGNETIC ACTIVITY - BOULDER COLORADO

```
                 Cumulative Geomagnetic Activity History
              Peak Geomagnetic Activity during the past 87 hours
     _________________________________________________________________
    |  EXTREMELY SEVERE |        |        |        |     | VERY HIGH! |
    | VERY SEVERE STORM |        |        |        |     | HIGH       |
    |      SEVERE STORM |        |        |        |     | MODERATE   |
    |       MAJOR STORM |        |        |        |     | MODERATE   |
    |       MINOR STORM |        |        |        |     | LOW        |
    |       VERY ACTIVE |        |        |        |     | NONE - LOW |
    |            ACTIVE |*  *  **|***    *|*       |     | NONE       |
    |         UNSETTLED |* ******|***** **|* **  **|***  | NONE       |
    |             QUIET |********|********|********|*****| NONE       |
    |        VERY QUIET |********|********|********|*****| NONE       |
    |-------------------|--------|--------|--------|-----|------------|
    | Geomagnetic Field |  Wed.  |  Thu.  |  Fri.  | Sat.|  Anomaly   |
    |    Conditions     |    Given in 3-hour intervals   | Intensity  |
    |_________________________________________________________________|
```

NOTES:

This graph ONLY depicts geomagnetic conditions observed at Boulder, Colorado for the past 87 hours. Conditions to the north of Boulder will generally have slightly higher activity than Boulder, while conditions to the south of Boulder will likely have lower activity than those depicted here. However, the plots should present a good approximate average of planetary geomagnetic conditions.

"Anomaly Intensity" is meant to represent nothing more than a very rough guide to the --potential-- interaction geomagnetic fluctuations --might-- have on earth-based systems sensitive to magnetic fluctuations (ie. electrical power distribution networks, telecommunications networks, etc.).

For radio signal propagation purposes, plot lines are approximately proportional to propagation quality when plot lines are below Minor Storm conditions. Propagation quality may deteriorate rapidly (ie.

non-proportionally) when plot lines exceed Minor Storm levels. Complete radio blackout conditions on all short-wave frequencies may occur if plot lines match or exceed Severe Storm levels.

PLANETARY 10-DAY GEOMAGNETIC ACTIVITY OUTLOOK (30 SEPTEMBER - 09 OCTOBER)

```
    ________________________________________________________________________
   |  EXTREMELY SEVERE |   |   |   |   |   |   |   |   |   |   | VERY HIGH! |
   | VERY SEVERE STORM |   |   |   |   |   |   |   |   |   |   | HIGH       |
   |      SEVERE STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MAJOR STORM |   |   |   |   |   |   |   |   |   |   | MODERATE   |
   |       MINOR STORM |   |   |   |   |   |   |   |   |   | * | LOW        |
   |       VERY ACTIVE |   |   |   |   |   |   |   |   |   |***| NONE - LOW |
   |            ACTIVE |   |   | **|   |   |   |   |   |***|***| NONE       |
   |         UNSETTLED | * | **|***|***|***|** | **|***|***|***| NONE       |
   |             QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |        VERY QUIET |***|***|***|***|***|***|***|***|***|***| NONE       |
   |-------------------|---|---|---|---|---|---|---|---|---|---|------------|
   | Geomagnetic Field |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|  Anomaly   |
   |    Conditions     |       Given in 8-hour intervals       | Intensity  |
   |________________________________________________________________________|
```

NOTES:

Predicted geomagnetic activity is based heavily on recurrent phenomena. Transient energetic solar events cannot be predicted reliably over periods in excess of several days. Hence, there may be some deviations from the predictions due to the unpredictable transient solar component.

GRAPHICAL ANALYSIS OF SOLAR ACTIVITY OVER THE PAST 60 DAYS

```
                   Cumulative Graphical Analysis of
                           Solar Activity

    ____________________________________________________________
325|                                                            | V.HIGH
313|                     * * F                                  | V.HIGH
300|                     *** F            F = Major Flare(s)    | V.HIGH
288|                    *****F                                  | HIGH
275|                   ******F                                  | HIGH
263|                  *******F                                  | HIGH
251|                  *******FF                                 | MOD.
238|                  *******FF*                                | MOD.
226|                 ********FF*                                | MOD.
213|                *********FF**                               | MOD.
201|               **********FF***              ** F**          | MOD.
189|**            ***********FF***            *****F*****       | LOW
176|****    *F***************FF****          ******F*******     | LOW
164|*********F***************FF******      ********F********    | LOW
151|*********F***************FF********************F*********   | LOW
139|*********F***************FF********************F************| LOW
    ------------------------------------------------------------
               Cumulative 60 day Solar Activity Record
```

Start Date: August 1, 1990

NOTES:

Left-hand column digits represent the 10.7 cm solar radio flux obtained from Ottawa. The right-hand column describes the relative solar activity for that period based on the average number of major and minor flares that can be expected for related solar flux values. Plot lines labeled with the letter "F" represent days where at least one major flare occurred (ie. class M5 or greater flare).

RADIO SIGNAL PROPAGATION PREDICTIONS (30 SEPTEMBER - 09 OCTOBER)

High Latitude Paths

```
 ________________________________________________________
| EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
|      VERY GOOD |   |   |   |   |   |   |   |   |   |   |
|           GOOD |   |   |   |   |   |   |   |   |   |   |
|           FAIR |***|*  |   |   |   |   |   |   |   |   |
|           POOR |   | **|***|***|***|***|* *|* *|  *|   |
|      VERY POOR |   |   |   |   |   |   | * | * |** |***|
| EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
|----------------|---|---|---|---|---|---|---|---|---|---|
|  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
|    QUALITY     |     Each Plot Represents 8-Hours      |
 --------------------------------------------------------
```

Middle Latitude Paths

```
 ________________________________________________________
| EXTREMELY GOOD |   |   |   |   |   |   |   |   |   |   |
|      VERY GOOD |***|* *|  *|  *| **| **|***|* *|   |   |
|           GOOD |   | * |** |** |*  |*  |   | * |   |   |
|           FAIR |   |   |   |   |   |   |   |   |***|  *|
|           POOR |   |   |   |   |   |   |   |   |   |** |
|      VERY POOR |   |   |   |   |   |   |   |   |   |   |
| EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
|----------------|---|---|---|---|---|---|---|---|---|---|
|  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
|    QUALITY     |     Each Plot Represents 8-Hours      |
 --------------------------------------------------------
```

Low Latitude Paths

```
 ________________________________________________________
| EXTREMELY GOOD |*  |*  |   |   |   |   |   |   |   |   |
|      VERY GOOD | **| **|* *|* *|***|***|***|*  |   |   |
|           GOOD |   |   | * | * |   |   |   | **|***|***|
|           FAIR |   |   |   |   |   |   |   |   |   |   |
|           POOR |   |   |   |   |   |   |   |   |   |   |
|      VERY POOR |   |   |   |   |   |   |   |   |   |   |
| EXTREMELY POOR |   |   |   |   |   |   |   |   |   |   |
|----------------|---|---|---|---|---|---|---|---|---|---|
|  PROPAGATION   |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
|    QUALITY     |     Each Plot Represents 8-Hours      |
            --------------------------------------------------------

NOTES:
       High latitudes >= 55       degree's north latitude
     Middle latitudes >= 40 < 55  degree's north latitude
        Low latitudes  < 40       degree's north latitude


AURORAL ACTIVITY PREDICTIONS (30 SEPTEMBER - 09 OCTOBER)

                            High Latitude Locations
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   |   |   |   |   |   | * | * |
           |       MODERATE |   |   | **|***|** |   |   | * |***|***|
           |            LOW |   |  *|***|***|***|***|***|***|***|***|
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------

                          Middle Latitude Locations
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   |   |   |   |   |   |   |   |
           |       MODERATE |   |   |   |   |   |   |   |   | * | **|
           |            LOW |   |   | * |***|***| * | * |***|***|***|
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------

                             Low Latitude Locations
            ________________________________________________________
           | EXTREMELY HIGH |   |   |   |   |   |   |   |   |   |   |
           |      VERY HIGH |   |   |   |   |   |   |   |   |   |   |
           |           HIGH |   |   |   |   |   |   |   |   |   |   |
           |       MODERATE |   |   |   |   |   |   |   |   |   |   |
           |            LOW |   |   |   |   |   |   |   |   |   |   |
           |    NOT VISIBLE |***|***|***|***|***|***|***|***|***|***|
           |----------------|---|---|---|---|---|---|---|---|---|---|
           |    AURORAL     |Sun|Mon|Tue|Wed|Thu|Fri|Sat|Sun|Mon|Tue|
           |   INTENSITY    |  Eve.Twilight/Midnight/Morn.Twilight  |
            --------------------------------------------------------
```

NOTES:

Latitudinal boundaries are the same as those given above for radio propagation quality. Periods of high auroral activity may be suitable for auroral-propagation. Locally visible moderate auroral activity will almost always cause moderate to strong deterioration in HF signals, while locally visible high auroral activity will render most HF bands useless.

Auroral activity is defined as follows:

NOT VISIBLE: Not visible

LOW: Diffuse, inactive auroral activity visible very near the northern horizon for mid and low latitudes.

MODERATE: Visibly active, but not exceptionally bright auroral activity most visible above the northern horizon for mid to high latitudes. This type of activity usually encompasses torch-like (or beam-like) aurorae mixed with low-intensity curtain aurorae.

HIGH: Visibly very active, with periods of bright, pulsating curtain aurorae possibly mixed with moderate intensity zenith aurorae. Can occur to the north as well as stretching up near the zenith, particularly at middle latitudes. There may be some color fluctuations discernable.

VERY HIGH: Very active, very bright and very colorful auroral activity possibly mixed with intense zenith and curtain aurorae. Visibly strong pulsations with auroral boundaries to the zenith, stretching even partway to the southern hemisphere of the sky.

EXTREMELY HIGH: Rare, incredibly bright auroral activity with rapid color and brightness fluctuations mixed with very strong rapid auroral pulsations visible throughout the entire sky.

There are three plotted lines per day in the auroral activity prediction charts. Each of these three plotted lines represent three periods during the evening/morning when auroral activity can be seen. The first line represents the evening twilight period. The middle line represents the --local-- midnight sector, while the last line of each day represents the morning twilight period.

The auroral activity predictions charts are heavily based on recurrent phenomena and may not be accurate in the longer-term due to unforseen and unpredictable transient events (ie. such as solar flares).

The visibility of auroral activity depends on your location and the brightness of the sky (which is dependent upon both city lights and lunar phase). These charts do not account for these variations. The charts are based on dark-sky conditions (lunar phase excluded). Aurorae occur independent of sky brightness, so just because you may not be able to see auroral activity (due to lunar phase, for example) does not mean auroral activity isn't in progress. For best observing conditions, get away from bright city lights.

** End of Report **

From 818798532026935776
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X-Google-Thread: 10c9e3,1959e9333f0f8301,start
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X-Google-ArrivalTime: 1990-09-29 23:23:00 PST
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From: MULTI@TRIUMFER.BITNET
Newsgroups: rec.ham-radio
Subject: My Yeasu FT-101E won't transmit on 40 meters...
Message-ID: <90Sep30.022305edt.57497@ugw.utcs.utoronto.ca>
Date: 30 Sep 90 06:23:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Sun Sep 30 07:23:00 1990

I have a problem whereby my FT-101E refuses to load up on 40 meters. ALl other bands work find, but 40 refuses to load up. I haave been operating into a high vswr on 40 meters and wonder if I have blown C26, which is 470 pf rated at 500 wbvdc.   Any suggestions would be appreciated, as the rig works fine on all other bands.

Y.N. Miles,
<TRIUMFcl.bitnet>

From 3956854005971825632
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From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9009291712.AA28129@blackbird.afit.af.mil>
Date: 29 Sep 90 17:12:13 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 405
Posted: Sat Sep 29 18:12:13 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

- Current NASA Prediction Bulletins #754 -

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1 00424U 62B-A  1 90265.73204315  .00000218  00000-0  25132-3 0  3415
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2 03029  13.3232  20.3838 0015929 212.6841 147.2149  1.00272536 83751
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1 04966U 71 16  A 90267.25316196  .00078526  18052-4  41661-3 0  1055
2 04966  51.5341 347.5001 2217517 336.2214  14.9800 11.17956368602728
Starlette
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2 07646  49.8232 133.7864 0206378 153.2495 207.9209 13.82142189789260
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GPS-0002
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AO-13
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NOAA 11
1 19531U 88 89  A 90267.32479912  .00001116  00000-0  63294-3 0  3500
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TDRS 2
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Glonass 40
1 19749U 89  1  A 90267.27768818  .00000020  00000-0  99999-4 0  7022
2 19749  64.8566 155.4580 0005696 275.5914  84.4114  2.13102210 13271
Glonass 41
1 19750U 89  1  B 90267.80522630  .00000020  00000-0  99999-4 0  7067
2 19750  64.8790 155.4578 0005524 251.1723 108.8488  2.13102367 13286
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2 19802  55.0484 194.8560 0052488 166.0565 194.0528  2.00648564 11058
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1 19822U 89 16  A 90267.18144133  .00029824  00000-0  17440-2 0  7581
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Activnyi RB
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Magion 2
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2 20281  82.5951 165.2660 1256795 113.0996 260.7329 12.44229383 44976
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Meteor 3-3
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Kvant-2
1 20335U 89 93  A 90267.69788077  .00048911  00000-0  60254-3 0  3850
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RME
1 20497U 90 15  B 90266.87484556  .00017966  00000-0  46717-3 0  2638
2 20497  43.1071  92.8589 0018908 269.1038  90.7636 15.38451130 34027
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OKEAN 2
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INTELSAT-6
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2 20523  28.3461 330.8688 0014765 166.5290 193.5588 15.02768499 29445
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PegSat
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HST
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2 20621  64.9608  35.5781 0013867 198.8246 161.1227  2.13102802  2740
Kristall
1 20635U 90 48  A 90267.76198451  .00039980  00000-0  49473-3 0  1612
2 20635  51.6116 188.1514 0026666  81.3187 279.1183 15.59257141 18202
ROSAT
1 20638U 90 49  A 90265.80255209  .00006105  00000-0  52842-3 0   722
2 20638  52.9752 337.1170 0013598 266.3405  93.6033 14.98295529 16910
Meteor 2-19
1 20670U 90 57  A 90266.99041758  .00000202  00000-0  17252-3 0   537
2 20670  82.5464 210.2301 0017094  15.5148 344.6536 13.83853774 12182
BADR-1
1 20685U 90 59  A 90267.83173221  .00365946 -84608-5  61948-3 0   880
2 20685  28.4881 196.0972 0418544 169.4149 191.4885 15.27043635 10696
CRRES
1 20712U 90 65  A 90266.43313823  .00001391  00000-0  17588-2 0   224
2 20712  18.2659  22.9392 7118620 244.8433  28.6476  2.43443654  1464
Soyuz TM-10
1 20722U 90 67  A 90267.76196982  .00048370  00000-0  59732-3 0   674
2 20722  51.6039 188.1545 0025233  82.7621 277.6256 15.59270472  8502
GPS BII-08
1 20724U 90 68  A 90263.99021895  .00000016  00000-0  99999-4 0   156
2 20724  54.6862 192.4067 0095617 117.3695 243.6112  2.00550586   962
Progress M4
1 20752U 90 72  A 90263.40260945  .00088096  00000-0  10747-2 0   515
2 20752  51.6105 210.0519 0025829  66.0277 294.3006 15.59316483  5675
1990 076D
1 20770U 90 76  D 90263.48170943 -.00000528  00000-0  16226-3 0   115
```

```
2 20770  62.9322  39.8940 7342378 318.4273   4.6428  2.03431940   502
BS-3A
1 20771U 90 77  A 90266.65381067 -.00000332  00000-0  99999-4 0   246
2 20771   0.2129 246.9938 0001729 121.3946 351.7520  1.00271627   480
1990 077C
1 20773U          90267.61929353 0.00033304           34033-2 0   168
2 20773  28.8072 137.3521 7401590 194.7075 117.7444  2.15384066   237
SKYNET 4C
1 20776U          90268.81889386 0.00000056           10000-3 0   241
2 20776   4.3480 294.1849 0021774 205.6128 153.7647  1.00593223    14
EUTELSAT II
1 20777U 90 79  B 90263.94398751  .00000172  00000-0  99999-4 0   129
2 20777   0.2641 162.5610 0040554 146.2269  50.7569  1.00464716   187
1990 079D
1 20781U          90267.40897687 0.00061862           10938-1 0   165
2 20781   7.0076 124.7176 7258308 198.3619 106.4045  2.32045984   566
1990 073C
1 20782U 90 73  C 90264.49224235  .06252185 -59652-5  86627-4 0   390
2 20782  82.3413  97.8521 0026978 353.7422   7.9104 16.46627253  5819
Feng Yun 1B
1 20788U 90 81  A 90267.51777234  .00000131  00000-0  99999-4 0   279
2 20788  98.9287 301.7402 0010492 200.6296 159.9143 14.00545010  3014
PRC 31
1 20789U          90268.19573425 0.00033834           20963-1 0   292
2 20789  98.9727 302.5291 0033385 226.1618 133.8724 14.04626822  3118
PRC 32
1 20790U          90268.70141641 0.00039971           25369-1 0   228
2 20790  98.9410 302.9738 0022684 222.9168 136.3144 14.03377616  3187
1990 081D
1 20791U 90 81  D 90265.50696384  .00000474  00000-0  33836-3 0   352
2 20791  98.9339 299.8005 0009980 232.7342 127.2337 14.01188180  2722
1990 081E
1 20792U 90 81  E 90262.06891216  .00001485  00000-0  99354-3 0   105
2 20792  98.9418 296.4619 0015520 256.9421 103.0017 14.02131568  2241
1990 081F
1 20793U 90 81  F 90267.64612297  .00000832  00000-0  57402-3 0   131
2 20793  98.9364 301.9005 0014262 225.3088 134.6928 14.01389519  3022
1990 081G
1 20797U 90 81  G 90265.57650444  .00001615  00000-0  10940-2 0    79
2 20797  98.9320 299.8644 0010684 236.9321 123.0851 14.01352914  2737
1990 081H
1 20798U 90 81  H 90266.07411613  .00001728  00000-0  11650-2 0    95
2 20798  98.9347 300.3599 0009907 242.4733 117.5316 14.01518917  2808
Cosmos 2100
1 20804U          90268.60051190 0.00000108           10352-3 0   163
2 20804  82.9365 102.4142 0035714 258.9787 100.7345 13.73411608  1565
1990 083B
1 20805U 90 83  B 90268.00488170  .00002538  00000-0  26340-2 0   219
2 20805  82.9346 102.8357 0031695 243.8628 115.7435 13.75110240  1485
1990 065C
1 20811U 90 65  C 90267.25426590  .00000846  00000-0  11071-2 0   136
2 20811  18.2753  22.5222 7118198 245.5443  28.2014  2.43438146  1482
1990 072C
```

```
1 20812U 90 72  C 90268.02784051  .00615924  00000-0  36331-2 0   113
2 20812  51.6114 186.1654 0021314 315.0218  45.1060 15.75599498  6403
1990 084A
1 20813U 90 84  A 90267.98030431  .00000737  00000-0  19690-2 0    93
2 20813  62.8515 252.8673 7469675 280.4460  10.4545  1.95895408   103
1990 084B
1 20814U          90269.16979450 0.01280958  39557-4  12183-2 0   154
2 20814  62.8343 233.0161 0116521 132.2865 228.8006 15.98722721   855
1990 084C
1 20815U          90268.98242180 0.01750513  39450-4  10678-2 0   199
2 20815  62.8249 233.6571 0134634 121.4840 239.9418 16.00624275   826
1990 084D
1 20816U 90 84  D 90264.40444571  .00000034  00000-0  00000 0 0    18
2 20816  62.8526 253.0763 7466216 280.4896  10.4305  1.96746362    33
1990 082C
1 20817U          90268.53903082 0.00480422  11403-3  59372-3 0   108
2 20817  82.5707 158.2345 0010846 235.2833 124.7284 16.07751083  2909
1990 082D
1 20818U          90266.16145564 0.10907228 -59558-5  26217-2 0    93
2 20818  82.5710 160.8711 0011412 227.1145 132.9023 16.29353833  2521
1990 082E
1 20819U          90268.71088430 0.17511454 -62806-5  69921-2 0    71
2 20819  82.5579 158.1678 0047963 283.8942  78.6733 16.20510173  2933
1990 082F
1 20820U 90 82 F  90267.15133122  .05567771 -57985-5  14861-2 0   107
2 20820  82.5654 159.7362 0025069 225.5985 137.7938 16.27402063  2680
```

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

From 729675740685325406
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8924141da8b9b38a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-30 01:24:24 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!usc!elroy.jpl.nasa.gov!turnkey!orchard.la.locus.com!prodnet.la.locus.com!lando.la.locus.com!dana
From: dana@lando.la.locus.com (Dana H. Myers)
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was Re:
Message-ID: <17715@oolong.la.locus.com>
Date: 29 Sep 90 22:09:13 GMT
References: <9009290255.AA06342@tilde>
Sender: news@locus.com
Organization: Locus Computing Corporation, Inglewood, CA
Lines: 32
Posted: Sat Sep 29 23:09:13 1990

In article <9009290255.AA06342@tilde> dube@cpdvax.csc.ti.com writes:
>Phil Howard reports rationalizations for the use of his non-type-accepted-
>for-police-band-use radio to talk to the cops in the event of an emergency.
>We're all waiting with baited breath to see what happens. Phil, have you

>volunteered to be the guinea pig? Please keep us posted. Curious minds
>want to know.
>73,   Dube   N5PDK

I don't get this message. The FCC law is quite clear that any frequency may be used under certain conditions. My TR-2600A covers 140-160 Mhz as a transceiver, and I wouldn't hesitate one moment to use it to contact a public service agency in the event of a situation in which property or life was at imminent loss. On the other hand, I'd prefer more conventional means (such as using the telephone, etc.).

Be sensible. Most public service agencies probably use CTCSS; do you know the correct frequency to use? They don't tell you this in a scanner frequency listing. Furthermore, many public service radio systems are configured with repeaters, etc; the published frequency may be a repeater output and there is little chance of anyone hearing you on it. Concentrate on methods which get the best results. Contacting law enforcement agencies via the telephone will generally work best.

If, for instance, you are in an airplane crash, and there is no nearby telephone but you have a radio and can contact the US Forest Service, I sincerely doubt you'd be in trouble.

```
*****************************************************************
* Dana H. Myers KK6JQ       | Views expressed here are  *
* (213) 337-5136 (ex WA6ZGB)     | mine and do not necessarily
     *
* dana@locus.com       | reflect those of my employer   *
*****************************************************************
```

From -9150687076209897873
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,63e5540aa6739e45,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-30 01:52:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!cs.utexas.edu!yale!venus!yalevm!maine!risk
From: RISK@MAINE.BITNET (Paul H. Risk)
Newsgroups: rec.ham-radio
Subject: Find Nacogdoches, TX Hams
Message-ID: <90272.163542RISK@MAINE.BITNET>
Date: 29 Sep 90 20:35:42 GMT
Organization: University of Maine System
Lines: 12
Posted: Sat Sep 29 21:35:42 1990

I'm moving to Nacogdoches, Texas to take a faculty position there and would be interested in a contact or contacts I might rag chew with to get info on the area weather, pros and cons, repeaters, etc... I'm also interested in info on packet but will post that in the packet newsgroup. Will be prof in the School of Forestry at Stephen F. Austin State University. Arrival about the first week of December.....

Cud ragchew on HF or via packet....

Paul H. Risk N1DJD
College of Forestry, Univ. of Maine
Orono, Maine....

From -1554608218452307647
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1dc8242f08092d3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,1dc8242f08092d3
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-09-30 02:58:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!ucsd!network.ucsd.edu!brent
From: brent@network.ucsd.edu (Brent Jones)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: the ATS satellites
Keywords: vhf ats satellite southpole communications
Message-ID: <3011@network.ucsd.edu>
Date: 30 Sep 90 01:34:53 GMT
References: <6@kb2ear.UUCP>
Followup-To: rec.radio.shortwave
Organization: Ich geh' kaput. Gehst du mit?
Lines: 48
Xref: gmdzi rec.radio.shortwave:2257 rec.ham-radio:15254
Posted: Sun Sep 30 02:34:53 1990

In article <6@kb2ear.UUCP> n2aam@kb2ear.UUCP (Dave Marthouse N2AAM) writes:
>
>I recall that there was a satellite active a few years back called ats1.
>This bird handled communications from scientists at the south pole back to
>the us. The frequency used was around 136mhz. Is this bird still active? If
>not, where are the communications from the pole taking place? I know that
>other ats birds have been launched. Do they still use vhf 136mhz? Any infor-
>mation would be appreciated.

The South Pole has used a satellite called ATS-3 for the past several years. It has been used to transfer data over a synchronous data link to a ground station in Florida, as well as for voice comms over a narrow band FM link to the same ground station.

ATS-1 is part of the same series of satellites launched circa 1967. The had a life expectancy of 3 years, so it's kind of amazing they're still running. Both ATS-1 and ATS-3 are active and use the same frequencies on the transponders as questioned above. The transponders are different, but both pass FM. ATS-1 is west of ATS-3, and serves several satellite users throughout the Pacific. ATS-3 has many users in addition to the Antarctic stations and so time is shared. But you should still hear South Pole, McMurdo Station, and Palmer Station come up occasionally.

South Pole however has moved over to another satellite, LES-9, an Airforce satellite operation on higher frequencies. The other stations hopefully will soon follow. The data links on ATS-3 were running at 1200 baud (2400 baud possible but not reliable), and the LES-9 operations take place at 2400 baud. LES-9 does not have a transponder, rather many repeaters on different channels. Voice is possible, however for the time being, Pole will just be using it for data. ATS-3 will continue to be used for the voice traffic. You would need a synchronous modem to decode the data, but even then it's all encryped and so not much use to anyone.

Voice on ATS-3 is used fairly infrequently except weekends when people call home. But even then it's only about as interesting as listening in on 20M phone patches.

Technical data on all three satellites is public info, and can be found in your local library in a good book on communications satellites.
Enjoy!

Brent KB1UK
Communications Coordinator, South Pole Station 1988-89

"Ich weiss nicht was mit mir los ist, eins der 10
Bierchen muss wohl schlecht gewesen sein..."

From 9059407121129011073
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8bc313164c646283
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-30 03:04:01 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: CW decoder wanted
Keywords: CW decoder
Message-ID: <285@ssc.UUCP>
Date: 29 Sep 90 19:17:01 GMT
References: <58625@wlbr.IMSD.CONTEL.COM> <282@ssc.UUCP>
Organization: SSC, Inc., Seattle, WA
Lines: 21
Posted: Sat Sep 29 20:17:01 1990

In article <282@ssc.UUCP>, tad@ssc.UUCP (Tad Cook) writes:
> In article <58625@wlbr.IMSD.CONTEL.COM>, jm@wlbr.imsd.contel.com (Jim Macropol) writes:
> > I am looking for a CW decoder box that feeds into an
> > RS-232 serial line. I know that there are several
> > plug-in boards for PCs out there, but that is not a
> > viable option at this point.

> If you want one that puts out ASCII, you need one of the multimode
> controller boxes, like the AEA PK232. This will do other modes (like

> packet, AMTOR, Baudot, etc) too.

One disadvantage of the AEA boxes is that they aren't very tolerant
of a bad "fist". If the intracharacter timing is a little long,
all you get is a string of E's and T's. In one of the manuals,
they claim this as a feature, to help with training one's sending.

Also tuning is fairly critical, the input filters are about
100 Hz wide, and at a fixed frequency. (800 Hz on the PK-232, and
1000 Hz (slightly adjustable) on the older MBA units.)

markz@ssc.uucp

From 6150291746184387410
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20a4d1bb74ec0ee5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-30 03:04:06 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Walker Tompkins' callsigns
Summary: WV7
Message-ID: <286@ssc.UUCP>
Date: 29 Sep 90 22:40:53 GMT
References: <9009262330.AA02260@ucsd.edu> <9009270406.AA16704@ucsd.edu>
Organization: very little
Lines: 29
Posted: Sat Sep 29 23:40:53 1990

In article <9009270406.AA16704@ucsd.edu>, jmaynard@THESIS1.HSCH.UTEXAS.EDU (Jay
Maynard) writes:
> Bob West, WA8YCD wrote:
> > (NOTE: K6ATX was also the callsign given to the hero Tommy Rockford.
> >   A postscript mentions that all the calls used were real, and were used
> >   with the knowledge and consent of both the call holders and the FCC.)
>
> Uh, almost...There was one story with a new kid with the call WV7XNN...the WV7
> prefix would be kosher, but the XNN suffix is a no-no.

Was this the kid who lived under the cannery in "CQ Ghost Ship" ??

> (WV-prefixes were used when it was necessary to distinguish those Novices
> destined for Ws from those destined for WAs after they upgraded.)

Hmmmm....I was WN7CSK in 1965, then WA7CSK a year later. I don't think
there were any W calls still being assigned when the Novice was in
effect....or am I wrong? Had some areas not gone to KN and K in the
1950s?

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

```
From 5043901259427378899
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b9a2c4581b9b1dc1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-30 03:18:26 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!hplabs!hpcc05!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Re: Anyone ever operate in JA land?
Message-ID: <27080013@col.hp.com>
Date: 29 Sep 90 16:13:38 GMT
References: <27080008@col.hp.com>
Organization: HP Colorado Springs Division
Lines: 13
Posted: Sat Sep 29 17:13:38 1990
```

Thanks to those of you who responded to my request for info on amateur radio operation in Japan. I got alot of useful information. If anyone wants a summary, just E-mail me. (Its too long to post.)

```
--------------------------------------------------------------------
Bob Witte              HP Colorado Springs Division
bobw@col.hp.com        P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO  80901
Radio: KB0CY
"All Africans walk single file -- at least the one I saw did."
--------------------------------------------------------------------
```

```
From -7676454591003641122
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,52fffe7622120af8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-30 03:31:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!mips!public!rah
From: rah@public.BTR.COM (Richard A Hyde  rah@btr.com)
Newsgroups: rec.ham-radio
Subject: Yaesu HT470 intermod on ext ant?
Message-ID: <508@public.BTR.COM>
Date: 30 Sep 90 01:44:32 GMT
Organization: BTR Public Access UNIX, MtnView CA, Contact: cs@btr.com 415-966-1429
```

```
Lines: 24
Posted: Sun Sep 30 02:44:32 1990
```

Hello fellow netlanders,

As a new ham, I (and my wallet) are looking at HTs to purchase. The decision seems to be coming down to a choice between the Yaesu HT-470 and the ICOM 24AT. I was just about to decide on the Yeasu (lower price, >= features) when this salesman ambles up. His claim was that the Yeasu is a fine ham-bands only machine, but that if I ever wanted it to do anyting else I would be disappointed.. i.e using it with a rooftop antenna for more range or packet would be almost impossible because of intermod - the squelch would never drop so I could never transmit.

Well, I'm not sure I want to DO packet, but I would hate to limit my options.

Any feedback would be appreciated.. Was the salesmans claim valid, or was I being steered to a higher margin device?

Thanks!

-Rick-

```
--
------------------------------------------------------------------------------
|   Richard Hyde  |  RaH@btr.com  |    This space intentionally left blank   |
------------------------------------------------------------------------------
```

```
From 3301340502739252339
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7785347b9c7882a5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-30 06:19:57 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-
state.edu!wuarchive!decwrl!ucbvax!THESIS1.HSCH.UTEXAS.EDU!jmaynard
From: jmaynard@THESIS1.HSCH.UTEXAS.EDU (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Being sobered by QCWA eligibility
Message-ID: <9009301319.AA14682@ucsd.edu>
Date: 30 Sep 90 13:19:57 GMT
References: <9009300430.AA29783@ucsd.edu>
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Sun Sep 30 14:19:57 1990
```

> >Gosh--here I am at age 42 and I can join QCWA! A sobering
> >thought....
>   My Novice ticket was issued on my 14th birthday. I laugh to myself
> every time I think that I'll be eligible for QCWA membership on my
> 39th birthday :-).

You think _you've_ got it bad...I'll be eligible when I'm 35...Somehow I doubt that I'll fit in with the old farts...

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu  | adequately be explained by stupidity.
"It's a hardware bug!" "It's a    +----------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_
```

```
From 6244792136969740270
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2341bd72863eedc4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-30 10:27:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!tut.cis.ohio-
state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes 9/28/90
Message-ID: <1665@n8emr.UUCP>
Date: 29 Sep 90 20:39:35 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 189
Posted: Sat Sep 29 21:39:35 1990
```

```
==============================================================
|         Relayed from packet radio via                |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ ALLBBS $RTDX0928
RTTY DX Notes 1of3 9/28/90

RTTY DX Notes for week ending 28th September 1990
BID: $RTDX0928
Part 1 of 3.

From reports received this week, indications are that the bands are going through a change as shown by the numerous reports of activity on both 21 and 28 MHz. These conditions should prove exceedingly helpful with the CQWW RTTY DX Contest this weekend, and final scores should be very interesting. See you in the mess.

Our thanks this week go to I5FLN (and cluster), JA1BLV, OD5NG TG9VT, UT5RP, VK2EG, W2JGR, W6/G0AZT and the Tri-State DX Packet Cluster Network. I see that you have all been busy this past week. Thank you all for the wealth of information.

```
Bandpass:

Friday 21:
BY4RSA      21082  at  1140Z
KB0FUE/DU3  21084  at  1432Z

It gets better

Saturday 22:
SU1ER       14074  at  0405Z  ARQ
UW3AT       14087  at  0605Z
FW1FM       14086  at  0705Z  QSL
9J2BO       21089  at  1332Z
UZ3DWH      21093  at  1616Z
RO4OA       21092  at  1640Z  QSL
UQ2HO       21091  at  1648Z
ZD8BOB      21074  at  1910Z  ARQ
7J1AJD/JD1  14090  at  2005Z  QSL

Continued in part 2.
/EX
SB RTTYDX @ ALLBBS $RTDX0929
RTTY DX Notes 2of3 9/28/90

RTTY DX Notes for week ending 28th September 1990
BID: $RTDX0929
Part 2 of 3.


Sunday 23:
TU2BB       14074  at  0015Z  ARQ
CE0ZIG      14074  at  0200Z  ARQ
RF1F/UA3TT  14089  at  0418Z
RO4OA       14084  at  0452Z
OM2BXW      14089  at  0550Z  Note
5W1KT       14093  at  0933Z
UC2OF       21090  at  0940Z
JW9MAA      28092  at  1225Z
FR4RF       28083  at  1235Z
T77A        28087  at  1521Z
BV4VB       21084  at  1618Z
A92ET       21080  at  1641Z  ARQ
V85GA       21080  at  1650Z  ARQ
SU1ER       21080  at  1650Z
VP8BFH      21083  at  1935Z
ZD9BV       21087  at  1935Z
8P6RY       21084  at  2026Z
6W1HF       21082  at  2028Z
5Z4BI       21087  at  2031Z
ZD8BOB      21074  at  2234Z  ARQ
HJ3MCM      21087  at  2314Z  Note
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Monday 24:

JH1QDB/JD1	28088	at	0015Z	QSL
5W1KT	28085	at	0038Z	
BZ4RC	21085	at	0045Z	QSL
SV0CR	14074	at	0345Z	ARQ
UG7GWY	14070	at	0525Z	QSL/ARQ
RF1F/UA3TT	14084	at	0615Z	
AP2NK	21080	at	0935Z	ARQ
A41JW	21072	at	1136Z	
V73AT	14088	at	1144Z	QSL
BV4VB	14082	at	1706Z	ARQ
V51P	21087	at	1746Z	

Tuesday 25:

TY1PS	21088	at	0015Z	
5N8ALE	14078	at	0524Z	
UH7E/UZ9CWA	21091	at	1336Z	QSL
TR8AHO	21074	at	1646Z	ARQ
4U1UN	14089	at	2045Z	QSL
TU2BB	14074	at	2212Z	ARQ
OX3CO	14074	at	2300Z	ARQ
EA9MY	14091	at	2314Z	

Wednesday 26:

TY1PS	21089	at	0019Z	
UW0LZ	21083	at	0022Z	
RF1F/UA3TT	14088	at	0115Z	
7J1AJD/JD1	14068	at	0415Z	
YI1BGD	14074	at	0520Z	FEC
BX3MG	14093	at	1700Z	
FR4FR	21090	at	1715Z	
ZD8BOB	21074	at	2210Z	ARQ
TU2BB	14074	at	2216Z	ARQ
VP8BFH	21092	at	2316Z	

Continued in part 3.

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/EX
SB RTTYDX @ ALLBBS $RTDX0930
```

RTTY DX Notes 3of3 9/28/90

RTTY DX Notes for week ending 28th September 1990
BID: $RTDX0930
Part 3 of 3.

Thursday 27:

SV0ER	14074	at	0400Z	ARQ
EA8BIL	14074	at	0415Z	ARQ
UG7GWG	14098	at	0444Z	QSL
ZF1RY	14091	at	0501Z	
GW4ZAT/5B4	14073	at	0630Z	FEC

QSL Information:

Correction to ZF1RY QSL path. Send cards to P.O. Box 5194, Richmond, CA 94805. The Callbook address may give the wrong impression.

7J1AJD/JD1 will QSL via KB1BE.

FW1FM indicates to QSL via Box 15, Futuna Island.

RO4OA will collect his cards from Box 249, Kishinev 277043, USSR.

JH1QDB/JD1 says to QSL to his home address.

BZ4RC is at Box 538, Nanjing, P.R. China.

UG7GWY says to QSL to Box 1, Erevan 375038 Armenia.

V73AT will QSL via K2CL.

UH7E/UZ9CWA cards go via UZ9CWA.

4U1UN requests his cards via NA2K.

UG7GWG collects his cards from Box 54, Erevan 375010 USSR.

Notes of Interest:

7J1AJD/JD1 will operate until October 4th and will include the CQWW RTTY Contest in his effort.

HJ3MCM is a special Colombian call.

OM3BXW is also a special call for OK3BXW.

BV4VB states he will be very active in the CQWW RTTY DX Contest this weekend, as will 7J1AJD/JD1, JH1QDB/JD1, ZF1RY and many other good callsigns.

Saint Pauls Island CY0. FP5DX and VE1KM are scheduled to operate from October 20th with RTTY (and other modes) on 15 and 20 meters. Expected calls are CY9SPI and CY9DX. QSL via FP5DX.

Angola D2 is in the cooking pot as soon as official permission is obtained. It is hoped that RTTY will be included in the operation.

GL DE DX1.

Written by VK2SG. Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA.
Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.
/EX
--

Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From -1196734127275585916
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e931892d9732143a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,e931892d9732143a,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,e931892d9732143a,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-09-30 15:41:02 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!usc!randvax!vortex!lauren
From: lauren@vortex.COM (Lauren Weinstein)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.radio.shortwave
Subject: Proposed 10% federal tax on "electronic equipment"
Message-ID: <52.UUL1.3#1@vortex.COM>
Date: 30 Sep 90 21:11:23 GMT
Organization: Vortex Technology
Lines: 29
Xref: gmdzi rec.ham-radio:15289 rec.ham-radio.packet:2852 rec.radio.shortwave:2263
Posted: Sun Sep 30 22:11:23 1990

Greetings. On Sunday, September 30, agreement was reached by the federal budget negotiators on a proposed new budget, including a variety of program cuts and new/increased taxes. Ignoring the other taxes for the moment (e.g. increases in gasoline tax, energy tax, social security taxes, etc.) there is one brand new tax in the agreement that might be of particular importance to readers of this forum. This is a new "luxury" tax of 10%. Details are sketchy, but it apparently is proposed that this tax will apply on items such as "luxury cars", furs, jewelry, and *electronic equipment*.

As this message is written, it is unclear what that latter category would include. Would it include telecommunications and computer equipment, or "only" televisions, VCR's, stereos, etc. above a certain selling price? Would it apply only to individuals, or to business use of such equipment as well? Would this tax simply be added on to existing state and local taxes at the consumer level?

It might be worthwhile for everyone who is involved in the purchase of "electronic equipment" to carefully track the details of this significant new proposed tax as they come forth, and make their opinions known to their House/Senate members (opinions phoned in *do* get counted by their offices). At this stage, the budget agreement has not yet been approved by Congress, and while the leadership will no doubt wish to have the entire package accepted in one piece, it is not necessarily the case that changes won't be made. It is important that our representatives be informed about the feelings of the technical community concerning these specific proposals.

--Lauren--

From 8919528632723528655
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb108b67bb5a46d6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-30 17:15:25 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!usc!apple!portal!cup.portal.com!schuster
From: schuster@cup.portal.com (Michael Alan Schuster)
Newsgroups: rec.ham-radio
Subject: Auto Alarm Remotes
Message-ID: <34407@cup.portal.com>
Date: 30 Sep 90 22:07:43 GMT
Organization: The Portal System (TM)
Lines: 5
Posted: Sun Sep 30 23:07:43 1990

What frequencies do the little hand held remotes, used to arm and disarm automobile alarm systems, transmit on? I've disassembled a couple and have never found a crystal, just a single chip and a bank of DIP switches. Are the frequencies varied as part of the encoding process?

From 8594690381412400553
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d63d271ef07e07fc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-01 01:52:51 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!usc!randvax!vortex!lauren
From: lauren@vortex.COM (Lauren Weinstein)
Newsgroups: rec.ham-radio
Subject: IC24 offset
Message-ID: <53.UUL1.3#1@vortex.COM>
Date: 1 Oct 90 03:57:25 GMT
Organization: Vortex Technology
Lines: 6
Posted: Mon Oct 1 04:57:25 1990

Is there any known way to get the IC24 to accept a repeater offset in other than 25khz steps? There are a number of repeaters with oddball offsets and as it stands there doesn't seem to be a way to deal with them (using only one radio, anyway...) Thanks much.

--Lauren--

From -61202920402064949
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,ebfc953cd4549a0a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-01 01:53:25 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Novice test code requirement... Aga
Message-ID: <30500751@ux1.cso.uiuc.edu>
Date: 1 Oct 90 04:18:00 GMT
References: <121355@<90269>
Lines: 94
Nf-ID: #R:<90269:121355:ux1.cso.uiuc.edu:30500751:000:5261
Nf-From: ux1.cso.uiuc.edu!phil   Sep 30 23:18:00 1990
Posted: Mon Oct 1 05:18:00 1990

> Gary, I'm very disturbed by your lack of thought concerning my posting.
> In the beginning of my posting, I prefaced it with *I* ... These were *my*
> feelings; I was not attempting to say that 'this is the way it is'.

The fact that you did not do so on the sentence regarding how easy the 5 WPM code test is, others, such as maybe Gary, might have taken it as a statement of generality.

> You, on the other hand, displayed a true lack of 'brotherhood' in the
> advancement of ham radio. Yes, I agree that certain people have trouble
> learning the code. I maintain that in most of these cases, it is because
> 1) they choose to have a hard time at it by a lack of HONEST effort over
> a period of time and 2) because people like you promote the attitude that
> its silly and you don't need to learn it. "You can cheat your way through
> this way: let me show you. "

There are people who have trouble learning code or many other things due to not putting the proper work into it. But that does not account for all the people who have trouble learning. There are legitimate reasons. One of them is people who are profoundly deaf, and the current FCC changes do NOT account for that, because the waiver does not apply to the 5 WPM test, which they cannot pass "by ear". Next there really are people who just cannot learn code at all.

Like you, I found that Morse Code was easy to learn. I spent about 6 hours of study on it outside of the 5 class sessions, and that was enough (just barely enough) to pass the test. I have since forgotten it.

Is the Morse Code requirement silly? Longtime readers of this newsgroup already know how *I* feel about it. But I suggest that the position is a personal one for each individual.

> I'm sorry you have had such a bad experience with CW. I tend to think
> that CW is a necessary barrier of entry. I think of Ham Radio much the
> same waay as music. (I have been a musician for 18 years.) Many people
> want to be a musician and (for instance) play the guitar. Playing the guitar

> takes several things: Time, desire, ambition, patience, diligence and PRACTICE. If even one of these things is lacking, the person will not be successful in learning the instrument. (By the way, there's no way to cheat on a guitar test.) I submit that the same requirements exist for learning the code for the ham radio tests.

There are many successful musicians who cannot play the guitar. Can you play the piano. Would you require passing a guitar test in order to allow someone the privilege to sing?

The things you mention, "time, desire, ambition, patience, diligence and practice" are definitely needed ... if Morse Code is the mode you want to operate. And you have already mentioned that you like it.

But like the guitar test would have no purpose for someone who is not going to play a guitar, the Morse Code test has no purpose for someone who is not going to use Morse Code. There are certainly many people who do use Morse Code in ham radio just as there are many musicians who play guitar (I even know some who do both).

> Gary, I do hope that you can learn to further the efforts of ham radio operators in a more respected manner than what you are displaying. It is a worthy hobby of talented and willing individuals. Perhaps one of the reason the code requirement exists is to keep out people who will be a detriment to the radio community as a whole. (I bring to mind the recent 20 meter wars, and also leave you to think of the deplorable condition of 11 meters.)

The participants of the 20 meters mess either passed the code test, or else cheated somewhere along the line. In either case, the existance of the code test did not keep them out.

> I, personally, will continue with my enjoyment of CW and will more than gladly put forth the honest time and effort to speed up to 13 and even 20 WPM. It will be difficult, but after playing the acoustic guitar for over 16 years, I know what diligence is and how it pays off. While my primary use of the bands will be voice usage after I upgrade, I feel that CW is necessary. And, I hope that my mentor (I fear to call him an Elmer, his hair isn't grey enough! :-)) doesn't have such discouraging words as you do. Otherwise, I would probably abandon ham radio completely.

I don't think Gary would have been that way with someone he was helping to get into the hobby. Like myself, Gary would be happy to encourage someone to learn code and get into the hobby, even if he knew (and probably even more so because of it) that person was primarily interested in just CW. There are people like that still coming into the hobby.

Let me ask you if you would have been so diligent at learning the guitar if all you were really interested in doing in music was to sing, but to get a "permit" to sing, you had to first learn how to play the guitar?

Or let's reverse this a little. Suppose in order to get to play the guitar in public, you had to learn to play the oboe and pass a test on the oboe?

Would you be so diligent at playing the oboe?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -8928428182822188102
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7329e821abd4dcb7,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7329e821abd4dcb7,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-01 03:53:27 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: More about 11191 (Interesting UTE)
Keywords: Utility Monitor
Message-ID: <1990Oct1.011843.14886@lopez.UUCP>
Date: 1 Oct 90 01:18:43 GMT
Followup-To: rec.radio.shortwave
Organization: Great White North/UPlink - Marquette, Michigan
Lines: 62
Xref: gmdzi rec.radio.shortwave:2267 rec.ham-radio:15293
Posted: Mon Oct 1 02:18:43 1990

I want to thank all the folks who wrote me regarding my original posting regarding the navy ASW (Anti Submarine Warfare) activities on 11191 khz. Since my original posting, I have listened a few dozen hours to the utility, and done more research. Here is more info for all who have been tuning in and wondering what all the cryptospeak means:

Most stations have two or three character ID designators.

Station FT (Foxtrot Tango) always has a databurst before he starts talking, and data runs under him.

Stations exchange one another's PAPA UNIFORM, which is either a selcall, or a decryption key, or both.

One of the stations every morning (between 0600 and sunrise) has a tactical ID, such as DRAWKNIFE, During a three day period, each night I heard: Drawknife, Drawknife Alpha and Drawknife Bravo. Other similar tactical callsigns have been heard.

NUKE-O does indeed refer to encrypted traffic. It is not "new code" as one poster thought, but: NUCO

for:

NATO
UNIFORM
CODE of

OPERATIONS

When a station says NUCO, all information following is encoded, and when they say UN-NUCO, then the encryption is over.

So when someone NUCO's information, it is encoded.

ALIGATOR is apparently an Air Force AWACS plane, and it is possible that this station is the TACTICAL one.

The secure channels are on UHF (I confirmed this two nights ago).

The operations every morning are most likely an excercise practice.

During the day, activity on 11191 are quite different. It sounds more like a SAC channel. The daytime alternate frequency given is 6712khz.

Hope the above is helpful.

More than one person who wrote experessed an interest in more UTE postings, and even a UTE group, or UTE mailing list. I don't believe there are enough folks out there to support such a group, but I think postings to rec.radio.shortwave would be appropriate.

I am also crossposting this to rec.ham-radio, with replies to rec.radio.shortwave.

KEEP MONITORING!

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--
=Marquette MI: It's Not the END of the world, but you can see it from here=
==  Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash)  GWN UPLink  ==
==  3.950  Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================
```

From -7610007255769912450
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8924141da8b9b38a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-01 04:26:32 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was Re:
Message-ID: <30500750@ux1.cso.uiuc.edu>
Date: 1 Oct 90 03:54:00 GMT
References: <60255@iuvax.cs.indiana.edu>
Lines: 27
Nf-ID: #R:iuvax.cs.indiana.edu:60255:ux1.cso.uiuc.edu:30500750:000:1501
Nf-From: ux1.cso.uiuc.edu!phil   Sep 30 22:54:00 1990

Posted: Mon Oct 1 04:54:00 1990

> Be sensible. Most public service agencies probably use CTCSS; do you
> know the correct frequency to use? They don't tell you this in a scanner
> frequency listing. Furthermore, many public service radio systems are
> configured with repeaters, etc; the published frequency may be a repeater
> output and there is little chance of anyone hearing you on it. Concentrate
> on methods which get the best results. Contacting law enforcement agencies
> via the telephone will generally work best.

I know the repeater input frequency and the CTCSS tone frequency for each of the frequencies in use in my area. This can be a problem with travelling.

How did I find out what the CTCSS tone was? Well once I figured out what the input frequency was, I found I really could hear many transmission on there (so in turn they could have heard mine if I transmitted on the output frequency) and I was able to figure out their CTCSS using my tone squelch feature I added to the radio.

By the way, for low-UHF repeater pairs, the standard 5 MHz offset applies.

I have programmed a few of the frequencies in memories. I set the transmit offset to the correct amount but in the WRONG direction. This will reduce the chances of causing accidental interference, but still be a means to get to the correct frequency should an applicable emergency come up.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 7846809031106679231
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,27599288af9fa30f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-01 04:30:32 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL Letter 21-Sep-90
Message-ID: <1668@n8emr.UUCP>
Date: 1 Oct 90 02:49:50 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 264
Posted: Mon Oct 1 03:49:50 1990

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==============================================================
|         Relayed from packet radio via                      |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
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DEFENSE PULLS OUT OF DRILL

U.S. involvement in the Middle East has forced a major Amateur Radio-government emergency exercise to be scaled back. The National Disaster Medical System (NDMS) steering committee, acting on a notice from the Department of Defense, has cancelled a full scale drill scheduled for Oct. 10-13, but local drills still may be carried out as planned.

In a letter from Peter B. Collis, M.D., Deputy Assistant Secretary of Defense, the department advised that "Because of their respective commitments to Operation DESERT SHIELD, DoD...found it increasingly difficult to provide the level of activity this exercise [the NDMS drill] deserves and is necessary to support its successful conclusion." The letter in particular noted that Defense already has "cancelled or delayed a number of annual war games, open houses, and community relations programs, in order to meet mission requirements in the Middle East."

One role of DoD was to support communications via Military Affiliate Radio System (MARS) stations; this work now will be carried out on normal Amateur Radio frequencies.

The drill is based on an "earthquake" along the New Madrid Faultline in the Central Mississippi Valley. ARRL section managers will receive more information in the next Section Manager's Letter from Headquarters.

FCC ADOPTS WARC NOTICE

The Federal Communications Commisssion on Sept. 19 adopted its second Notice of Inquiry in preparation for the 1992 World Administrative Radio Conference. The text of the 150-page NOI (in General Docket 80-554) has not yet been released, but it is said to contain specific recommended U.S. proposals for WARC-92. Responding to the Second NOI will be the best opportunity for the general public to express its views on WARC-92 matters, but the time for comments will be very short.

ARRL continues to participate in the development of the U.S. WARC-92 position through the FCC Industry Advisory Committee and CCIR. The Industry Advisory Committee met Sept. 14 in Washington to hear status reports from its five Working Groups. Key WARC-92 issues include expansion of high-frequency broadcasting, low-earth-orbit mobile satellites, satellite and terrestrial digital sound broadcasting, future land mobile systems, and high-definition television by satellite.

The ARRL Letter - Volume 9 - Number 19 - September 21, 1990 - Part 2 of 4

ANNOUNCING THE WORLD RADIOSPORT FEDERATION

Group's Goal is Amateur Radio at the Olympics

Amateur Radio will be an Olympic Games event if an ambitious proposal by a small group of hams becomes reality. Spurred on by the success of the World

RadioSport Team Championship (October QST, page 43), a plan to form a World RadioSport Federation has been announced by an international group of amateurs.

The WRSF is targetting the 1996 Summer Olympics, which will be held in Atlanta, GA.

The International Olympic Committee has four main ground rules which a sport must meet to be considered for the Games:

* The sport must be actively practiced in 50 countries by men and by women in 35 countries;

* There must be a sanctioning organization acceptable to the IOC;

* Periodic regional events must take place between Olympic Games;

* There should be a mechanism to establish a world championship.

The WRSF would meet these criteria by establishing an international consortium of radio societies, local radio clubs, individuals, and corporate supporters. But beyond the immediate goal of the Olympics, the Federation would seek the general betterment of Amateur Radio around the world.

In their Proposal for Discussion, the organizers note Amateur Radio's recognized value as a pool of trained operators able to provide a variety of communications services. They cite a perceived "public image crisis" for Amateur Radio, "resulting from ineffective, inadequate, or nonexistent efforts devoted to self promotion."

The WRSF believes that radiosport events (such as the team championship in Seattle) and associated educational efforts can be used as a vehicle both for promoting Amateur Radio and for recruiting new hams.

Radiosport events can demonstrate to government officials and the general public the purpose and value of Amateur Radio, the proposal says. The argument is bolstered by noting that recent international operating events (DX contests) attract upwards of 40,000 amateurs worldwide--a pool of potential WRSF members and ambassadors.

The not-for-profit WRSF would support the activities of the International Amateur Radio Union; "activities and initiatives undertaken by the WRSF are intended to enhance accomplishment of IARU goals and objectives," the proposal says. The purposes and objectives of the WRSF are to:

* Encourage the growth of Amateur Radio by promoting and supporting operating activities which enable successful recruitment of new participants, especially young people;

* Enhance individual operator knowledge and skill in emergency communications techniques and procedures;

* Provide an international sanctioning organization for on- site and other

radiosport events;

* Promote increased awareness and understanding of the Amateur Radio service among government officials and members of the general public.

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ANNOUNCING THE WORLD RADIOSPORT FEDERATION

(Continued from Preceding Part)

WRSF membership would fall under four categories, and the planners have estimated the following makeup: Voting members (total of 15); Associate (50); Sustaining (1,500); and Corporate Sponsors (10). A geographically diverse board of trustees would be elected by and from the voting membership, while a slate of corporate officers would be elected annually by the board. Six working committees would handle specific activities.

The promoters acknowledge that initially members would come from the ranks of contest operators and DXers around the world. They anticipate support from "more traditional" hams over the long term.

The WRSF would be financially independent of all other Amateur Radio organizations. Funding would come from initiation fees and membership dues, as well as from corporate sponsors. The promoters see an eventual annual budget in the range $175,000 to $250,000.

The federation would assist local groups in conducting competitive activities--with the inherent spin-offs of public relations and education--by promoting the following kinds of events:

* Mini HF Field Days. Two-person teams would construct and operate stations under simulated emergency conditions. Local winners would qualify for national, regional or international on-site competitions that would be staged during international contests such as ARRL Field Day and the IARU HF World Championship. International on-site events would be held at least every four years, concurrent with the Olympic Games.

* Amateur Radio Direction Finding. Long popular in Eastern Europe, the USSR, and Asia, these events would pit contestants in various age groups in a test of both physical stamina and radio technique. ARDF would permit amateurs not proficient in Morse code to be competitive.

* Communications Accuracy Contest. These traditional CW and voice pile-up copying contests would be sanctioned for holding at hamfests and radio club meetings.

WRSF would establish rules and guidelines for all the events mentioned above, and would help finance regional and international events.

The federation would maintain an international speakers bureau, to speak and to conduct workshops and seminars explaining and promoting Amateur Radio. In time, it would seek to establish a scholarship program, and to maintain a fund to aid developing countries in conducting Amateur Radio events and demonstrations. Young people would especially be targetted, through such international groups as the Scouts and the YWCA and YMCA.

The WRSF promoters believe it likely that neither national radio societies nor the IARU have the resources necessary to address, on a worldwide scale, the issues of recruitment of new amateurs and of communications training. The WRSF will seek "appropriate recognition and endorsement by the IARU," believing that "successful achievement of WRSF goals and objectives is closely tied to receipt of official recognition and moral support from the IARU and its member societies."

In the next few months, the organizers will tend to such matters as legal incorporation, election of an initial slate of trustees and officers, the establishment of committee chairmen, and obtaining essential business equipment. Then planning of a detailed agenda will begin.

The founders and supporters of the idea hope to hold a worldwide teleconference within the next 30 days, according to John Crovelli, W2GD. Among the founders are Martti Laine, OH2BH, ARRL New England Division director Tom Frenaye, K1KI, Northern California DX Foundation President Rusty Epps, W6OAT, and Boris Stepanov, UW3AX, deputy editor of *Radio* magazine.

Persons interested in this ambitious endeavor may contact John Crovelli, W2GD, 200 Woolf Road, Milford NJ 08848, for a copy of the 21-page Proposal for Discussion. A large SASE with four units of first class postage would be appreciated.

The ARRL Letter - Volume 9 - Number 19 - September 21, 1990 - Part 4 of 4

BRIEFS

Space Shuttle STS-35 bearing the SAREX experimental Amateur Radio package was postponed again Sept. 18 and it now appears the flight will not be rescheduled earlier than November, as other waiting Shuttle flights have priority over the scientific mission of STS-35.

* Postal rates probably will rise around February, 1991, sources say. While first class letter rates would rise from 25 to 30 cents/oz., the impact on second class mail publications such as QST would be much greater--31 percent. At current membership levels mailing costs for *QST* could increase some $88,000 per year. By using the "printer's newsstand/postal pool" and mailing from several points around the country the League could save about one-quarter of this amount (QST is printed in Glasgow, KY). International rates also probably will rise (QST has some 10,000 non-U.S. subscribers/members, including Canada). International rates can be--and often are--changed with as little as one month's notice.

* FCC has issued a public notice regarding unlicensed devices transmitting in the 900 MHz range, particularly video transmission systems. These systems ordinarily use a wireless receiver and transmitter for remoting video devices such as VCRs, video cameras, and games, as well as television

pictures and audio. Such devices fall under "additional unlicensed use" of frequencies and as such have no protection from interference from Amateurs or any other licensed service.

Companies which have received FCC grants of equipment authorization for their video transmission systems include: Gemini Industries, Recoton Corp., Star Tech Company, Video Technology Engineering, and Wiso Electronics. Grants of equipment authorization issued by the FCC appear monthly in a public notice entitled Certification/Notification Actions. Customers experiencing RFI to such devices should contact the manufacturer.

* The ARRL Volunteer Examiner Coordinator staff is processing about one Morse code waiver upgrade package per day for disabled applicants.

VE statistics for June and July (the most recent months available) include 8435 exam elements administered in June (4075 by ARRL VEC), and 7617 in July (3098 ARRL). 2640 applicants were served by ARRL VEC in June, 1853 in July.

* ARRL's East Coast Educational Workshop hosted 55 people in Gaithersburg, MD on Sept. 8, many of them newly licensed or unlicensed teachers interested in introducing Amateur Radio to their classes. The League was represented by Educational Activities Coordinator Rosalie White, WA1STO.

* Between now and Oct. 1 ballots for division director and vice director elections will be mailed to ARRL full members in the Central, Hudson, Northwestern, Rocky Mountain, and West Gulf Divisions. In each of those divisions, there is more than one candidate for one of the two offices. The ARRL Election Committee has declared the following, as the only eligible candidate, elected for the 1991-92 term:

Director, Central Division: Edmond A. Metzger, W9PRN;
Vice Director, Hudson Division: Paul Vydareny, WB2VUK;
Director, New England Division: Tom Frenaye, K1KI;
Vice Director, New England Division: William Burden, WB1BRE;
Vice Director, Northwestern Division: Mary Lou Brown, NM7N;
Director, Roanoke Division: John C. Kanode, N4MM;
Vice Director, Roanoke Division: James G. Walker, WD4HLZ;
Director, Rocky Mountain Division: Marshall Quiat, AG0X;
Director, Southwestern Division: Fried Heyn, WA6WZO;
Vice Director, Southwestern Division: Wayne Overbeck, N6NB;
Vice Director, West Gulf Division: Sam Sitton, KV5X

* The ARRL Letter often relies on readers for news tips. When you see or hear something of interest please send it to ARRL HQ, or give us a call.

* CORRECTION: The last issue of *The ARRL Letter* was Volume 9, Number 18.

From 8124431899631340306
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c42431bc94860997
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-01 04:50:24 PST

Path: gmdzi!unido!mcsun!uunet!ogicse!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Novice test code requirement... Again.
Message-ID: <1376@ke4zv.UUCP>
Date: 1 Oct 90 00:10:53 GMT
References: <90269.121355DOW@MAINE.BITNET> <1371@ke4zv.UUCP> <40198@cci632.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 35
Posted: Mon Oct 1 01:10:53 1990

In article <40198@cci632.UUCP> cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
writes:
>In article <1371@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
>>In article <90269.121355DOW@MAINE.BITNET> DOW@MAINE.BITNET (Michael R. Dow)
writes:
>>> I actually *enjoyed* learning the code! It wasn't hard. As a matter
>>>of fact, it was easy. Regardless of the fights against the code requirement,
>>>I do not believe that 5 wpm is a difficult requirement whatsoever.
> ...
>>YOU *enjoyed* learning the code. It wasn't hard (for YOU). As a matter
>>of fact, it was easy (for YOU). YOU do not believe that 5 wpm is a difficult
>>(for YOU) requirement.
>
>Notice how Mike's sentence starts with the word "I". His point was to relate
>his personal experience. Lighten up - it wasn't aimed to belittle you. The
>way to get NO-CODE is through comprimise and reasonable thought, it is *NOT*
>to try to make those who learned and enjoyed CW feel guilty about it.
>
>What does "difficult" mean to YOU? You want to be able to do it in 10
>minutes? Ptpth. Most people are perfectly capable of learning CW. It
>takes time and effort, too. The new changes in testing procedures for
>the handicapped encourage it. Try arguing about whether or not it is
>NECESSARY to have CW tests; that's a little more to the point.

You didn't quote the line in the original that prompted the flame which
intimated that the no code issue was a bunch of #$%#. I practiced bloody
fingered guitar for years, but while I could make the notes, I could never
make music. It took a year of struggle at age 14 for me to get an amateur
license solely due to the code requirement. In a related vein, I painfully
used CW for years on the traffic nets (old call WA4VJZ), but never managed
to beat 18 wpm. I believe that CW is like music in that some people find it
easy and others find it nearly impossible. To make it difficult or impossible
for people with no musical talent to become amateurs while letting in those
who naturally find CW easy is blatently unfair. And then to blithely
dismiss the problem as "not a difficult requirement" really sets me off.

Gary KE4ZV

From 4286133723933342250
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,306823733afb330a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-01 04:50:37 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!dali.cs.montana.edu!milton!ogicse!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: 88 to 108 Mhz FM xmtr
Summary: Part 15 operation
Message-ID: <1377@ke4zv.UUCP>
Date: 1 Oct 90 00:16:26 GMT
References: <64461@lanl.gov>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 14
Posted: Mon Oct 1 01:16:26 1990

In article <64461@lanl.gov> stevens@mpx2.lampf.lanl.gov writes:
>Hello !
>
>I wonder if anyone out there knows if low powered unlicensed xmtrs operating
>in the 88 to 108 Mhz band are legal and what is the max output power ?
>Or a reference as to where I might find this information...
>
>Thanks,
>Thad   KG5ES

Take a look at Part 15 regulations in the FCC rules. Max power 100 milliwatts,
limits on antenna size, and noninterference requirements.

Gary

From 3089826863219439667
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab0a72b6dfc52e18,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-01 05:23:10 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cornell!uw-beaver!sumax!amc-gw!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: AMSAT Keplerian Elements, 9/29/90
Keywords: satellite orbital data
Message-ID: <292@ssc.UUCP>
Date: 1 Oct 90 01:42:34 GMT
Organization: very little
Lines: 343
Posted: Mon Oct 1 02:42:34 1990

SB ALL @ AMSAT $ORBS-272.O
Orbital Elements 272.OSCAR

```
HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES
FROM N3FKV HEWITT, TX      SEPTEMBER 29, 1990
TO ALL RADIO AMATEURS BT

Satellite: AO-10
Catalog number: 14129
Epoch time:      90260.93187818
Element set:     549
Inclination:       26.0092 deg
RA of node:       184.3937 deg
Eccentricity:    0.5954699
Arg of perigee:   176.6918 deg
Mean anomaly:     190.5773 deg
Mean motion:    2.05881694 rev/day
Decay rate:      -5.80e-07 rev/day^2
Epoch rev:            5464

Satellite: UO-11
Catalog number: 14781
Epoch time:      90268.04142506
Element set:     786
Inclination:       97.9423 deg
RA of node:       317.2989 deg
Eccentricity:    0.0011803
Arg of perigee:   293.7999 deg
Mean anomaly:      66.1969 deg
Mean motion:   14.65706130 rev/day
Decay rate:      2.098e-05 rev/day^2
Epoch rev:           35059

Satellite: RS-10/11
Catalog number: 18129
Epoch time:      90267.77847824
Element set:     332
Inclination:       82.9217 deg
RA of node:       254.9370 deg
Eccentricity:    0.0011340
Arg of perigee:   195.4973 deg
Mean anomaly:     164.5823 deg
Mean motion:   13.72110926 rev/day
Decay rate:       1.70e-07 rev/day^2
Epoch rev:           16310

Satellite: AO-13
Catalog number: 19216
Epoch time:      90263.62168524
Element set:     146
Inclination:       56.8713 deg
RA of node:       134.9262 deg
Eccentricity:    0.7029521
Arg of perigee:   236.1311 deg
Mean anomaly:      37.1395 deg
Mean motion:    2.09702232 rev/day
Decay rate:      -1.20e-06 rev/day^2
Epoch rev:            1740

Satellite: FO-20
Catalog number: 20480
Epoch time:      90261.57386249
Element set:     104
Inclination:       99.0356 deg
RA of node:       290.4267 deg
Eccentricity:    0.0540429
Arg of perigee:   196.9758 deg
Mean anomaly:     161.2629 deg
Mean motion:   12.83160374 rev/day
Decay rate:       1.10e-07 rev/day^2
Epoch rev:            2872

/EX
SB ALL @ AMSAT $ORBS-272.D
Orbital Elements 272.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS
FROM N3FKV HEWITT, TX      SEPTEMBER 29, 1990
TO ALL RADIO AMATEURS BT

Satellite: UO-14
Catalog number: 20437
Epoch time:      90266.22484339
Element set:     208
Inclination:       98.6921 deg
RA of node:       342.0182 deg
Eccentricity:    0.0010529
Arg of perigee:   229.3009 deg
Mean anomaly:     130.7273 deg
Mean motion:   14.28724065 rev/day
Decay rate:       6.90e-06 rev/day^2
Epoch rev:            3486

Satellite: AO-16
Catalog number: 20439
Epoch time:      90265.36721578
Element set:     110
Inclination:       98.6987 deg
RA of node:       341.3263 deg
Eccentricity:    0.0010630
Arg of perigee:   229.8888 deg
Mean anomaly:     130.1393 deg
Mean motion:   14.28824015 rev/day
Decay rate:       6.24e-06 rev/day^2
Epoch rev:            3474

Satellite: DO-17
Catalog number: 20440
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```
Epoch time:      90266.41038971
Element set:     120
Inclination:       98.6978 deg
RA of node:       342.3824 deg
Eccentricity:    0.0010896
Arg of perigee:   225.7236 deg
Mean anomaly:     134.3066 deg
Mean motion:   14.28878142 rev/day
Decay rate:       7.25e-06 rev/day^2
Epoch rev:            3489

Satellite: WO-18
Catalog number: 20441
Epoch time:      90266.11300440
Element set:     113
Inclination:       98.6989 deg
RA of node:       342.1183 deg
Eccentricity:    0.0011375
Arg of perigee:   227.5911 deg
Mean anomaly:     132.4315 deg
Mean motion:   14.28965575 rev/day
Decay rate:       6.05e-06 rev/day^2
Epoch rev:            3485

Satellite: LO-19
Catalog number: 20442
Epoch time:      90267.43158664
Element set:     116
Inclination:       98.6984 deg
RA of node:       343.4593 deg
Eccentricity:    0.0011784
Arg of perigee:   222.9453 deg
Mean anomaly:     137.0809 deg
Mean motion:   14.29038750 rev/day
Decay rate:       6.55e-06 rev/day^2
Epoch rev:            3504

/EX
SB ALL @ AMSAT $ORBS-272.M
Orbital Elements 272.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES
FROM N3FKV HEWITT, TX      SEPTEMBER 29, 1990
TO ALL RADIO AMATEURS BT

Satellite: SALYUT 7
Catalog number: 13138
Epoch time:      90267.72900166
Element set:     515
Inclination:       51.5988 deg
RA of node:       157.1276 deg
Eccentricity:    0.0001840
Arg of perigee:   172.6105 deg
```

```
Mean anomaly:     187.5586 deg
Mean motion:   15.73630878 rev/day
Decay rate:     7.5954e-04 rev/day^2
Epoch rev:           48047

Satellite: MIR
Catalog number: 16609
Epoch time:      90267.82606835
Element set:     952
Inclination:       51.6115 deg
RA of node:       187.8282 deg
Eccentricity:    0.0026528
Arg of perigee:    82.5778 deg
Mean anomaly:     277.8169 deg
Mean motion:   15.59246468 rev/day
Decay rate:     2.6386e-04 rev/day^2
Epoch rev:           26367

Satellite: HUBBLE
Catalog number: 20580
Epoch time:      90267.52216337
Element set:     222
Inclination:       28.4722 deg
RA of node:       337.3966 deg
Eccentricity:    0.0005673
Arg of perigee:    89.3180 deg
Mean anomaly:     270.8068 deg
Mean motion:   14.85086020 rev/day
Decay rate:      5.959e-05 rev/day^2
Epoch rev:            2275

Satellite: BADR-1
Catalog number: 20685
Epoch time:      90267.83173221
Element set:      88
Inclination:       28.4881 deg
RA of node:       196.0972 deg
Eccentricity:    0.0418544
Arg of perigee:   169.4149 deg
Mean anomaly:     191.4885 deg
Mean motion:   15.27043635 rev/day
Decay rate:     3.6595e-03 rev/day^2
Epoch rev:            1069

/EX
SB ALL @ AMSAT $ORBS-272.W
Orbital Elements 272.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM N3FKV HEWITT, TX      SEPTEMBER 29, 1990
TO ALL RADIO AMATEURS BT

Satellite: NOAA-9
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```
Catalog number: 15427
Epoch time:      90262.04297155
Element set:     624
Inclination:       99.1736 deg
RA of node:       264.0809 deg
Eccentricity:    0.0016121
Arg of perigee:   104.9778 deg
Mean anomaly:     255.3181 deg
Mean motion:   14.12670897 rev/day
Decay rate:       6.03e-06 rev/day^2
Epoch rev:           29723

Satellite: NOAA-10
Catalog number: 16969
Epoch time:      90267.08976277
Element set:     470
Inclination:       98.5957 deg
RA of node:       292.8029 deg
Eccentricity:    0.0013680
Arg of perigee:   347.3613 deg
Mean anomaly:      12.7225 deg
Mean motion:   14.23738001 rev/day
Decay rate:       6.20e-06 rev/day^2
Epoch rev:           20868

Satellite: MET-2/17
Catalog number: 18820
Epoch time:      90266.78156016
Element set:     358
Inclination:       82.5410 deg
RA of node:       272.0805 deg
Eccentricity:    0.0018272
Arg of perigee:    49.9014 deg
Mean anomaly:     310.3744 deg
Mean motion:   13.84372296 rev/day
Decay rate:       1.17e-06 rev/day^2
Epoch rev:           13382

Satellite: MET-3/2
Catalog number: 19336
Epoch time:      90266.80742618
Element set:     586
Inclination:       82.5406 deg
RA of node:       207.6393 deg
Eccentricity:    0.0019680
Arg of perigee:    66.7000 deg
Mean anomaly:     293.6121 deg
Mean motion:   13.16904777 rev/day
Decay rate:       3.92e-06 rev/day^2
Epoch rev:           10393

Satellite: NOAA-11
Catalog number: 19531
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```
Epoch time:      90267.32479912
Element set:     350
Inclination:       98.9932 deg
RA of node:       215.7884 deg
Eccentricity:    0.0013079
Arg of perigee:    10.2958 deg
Mean anomaly:     349.8477 deg
Mean motion:   14.11726718 rev/day
Decay rate:      1.116e-05 rev/day^2
Epoch rev:           10295

Satellite: MET-2/18
Catalog number: 19851
Epoch time:      90268.08047497
Element set:     320
Inclination:       82.5356 deg
RA of node:       148.9053 deg
Eccentricity:    0.0017595
Arg of perigee:    93.6121 deg
Mean anomaly:     266.7269 deg
Mean motion:   13.84007999 rev/day
Decay rate:      -1.22e-06 rev/day^2
Epoch rev:            7938

Satellite: MET-3/3
Catalog number: 20305
Epoch time:      90266.60868953
Element set:     216
Inclination:       82.5553 deg
RA of node:       148.6023 deg
Eccentricity:    0.0016696
Arg of perigee:    80.3021 deg
Mean anomaly:     279.9979 deg
Mean motion:   13.15864629 rev/day
Decay rate:       5.40e-07 rev/day^2
Epoch rev:            4389

Satellite: MET-2/19
Catalog number: 20670
Epoch time:      90266.99041758
Element set:      53
Inclination:       82.5464 deg
RA of node:       210.2301 deg
Eccentricity:    0.0017094
Arg of perigee:    15.5148 deg
Mean anomaly:     344.6536 deg
Mean motion:   13.83853774 rev/day
Decay rate:       2.02e-06 rev/day^2
Epoch rev:            1218

Satellite: FENG YUN 1
Catalog number: 20788
Epoch time:      90267.51777234
```

```
Element set:      27
Inclination:       98.9287 deg
RA of node:       301.7402 deg
Eccentricity:    0.0010492
Arg of perigee:   200.6296 deg
Mean anomaly:     159.9143 deg
Mean motion:   14.00545010 rev/day
Decay rate:       1.31e-06 rev/day^2
Epoch rev:             301
```

/EX

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 4573039333293434777
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7d9a0a00591c0f41,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-01 05:31:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
cs.utexas.edu!uunet!attcan!utgpu!cunews!bnrgate!bwdlh131!mleech
From: mleech@bwdlh131.bnr.ca (Marcus Leech)
Newsgroups: rec.ham-radio
Subject: PC/XT frequency synthesizer wanted
Keywords: oscillators synthesizers
Message-ID: <1990Oct1.123122.16009@bnrgate.bnr.ca>
Date: 1 Oct 90 12:31:22 GMT
Sender: news@bnrgate.bnr.ca (USENET News System)
Organization: Bell-Northern Research, Ltd. Ottawa Ontario CANADA
Lines: 11
Posted: Mon Oct 1 13:31:22 1990

Is anyone here aware of an IBM-PC plug-in card that does
   frequency synthesis from dc-3Mhz in 1Khz steps. I need
   something with a 50-Ohm output, with reasonably good
   phase-noise characteristics. Oh, yeah, it's got to be
   cheap ;-)

```
-----------------
Marcus Leech, 4Y11             Bell-Northern Research  |opinions expressed
mleech@bnr.ca                  P.O. Box 3511, Stn. C   |are my own, and not
VE3MDL@VE3JF.ON.CAN.NA         Ottawa, ON, CANADA      |necessarily BNRs
```

From 2008852911561477802
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3c2e8de57b384356,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-01 07:37:20 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!jle
From: jle@hpfcdc.HP.COM (Jer/ Eberhard)
Newsgroups: rec.ham-radio
Subject: Re: Any University Radio Clubs out there?
Message-ID: <7880303@hpfcdc.HP.COM>
Date: 1 Oct 90 14:37:20 GMT
References: <179@opus.NMSU.Edu>
Organization: HP Fort Collins, Co.
Lines: 12
Posted: Mon Oct 1 15:37:20 1990

Colorado State University Amateur Radio Club

Fort Collins, Colorado

We have a 2 meter and 450 station up with phone patch
and an HF station on campus.

```
Jer/ Eberhard, (SLASH), HAM = N0FZD     | Hewlett-Packard - MS99, 1UP10,15'East
Pilot, COMM, INST, CFI-GLIDER           | 3404 East Harmony Road (303) 229-2861
CAP Check&Mission Pilot, Pikes Peak 218 | Fort Collins, Colorado 80525-9599
ARPA:  jle@hpfcla.fc.hp.com             | Jer_Eberhard@hpfcla.fc.hp.com
```

From 1316888807005760487
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,24ddb63fb320ce52
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-01 07:49:21 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!jle
From: jle@hpfcdc.HP.COM (Jer/ Eberhard)
Newsgroups: rec.ham-radio
Subject: Re: MOD for IC-2sat
Message-ID: <7880305@hpfcdc.HP.COM>
Date: 1 Oct 90 14:49:21 GMT
References: <9009281554.AA10728@ucsd.edu>
Organization: HP Fort Collins, Co.
Lines: 18
Posted: Mon Oct 1 15:49:21 1990

> after all settles down, your VFO will be unlocked and you get:
> 108-140MHZ AM, 138-169MHZ FM and 310-370MHZ FM. These for sure, maybe more.

I give up... how does the FM circuit decode AM on 108-140... and
how do you select between AM and FM on the 138-140 overlap?
Does it really receive 310-370 or just indicate it?
Is 310-370 still in the military AM Aircraft band?

Yes, I am still looking for the TX mod for an ICOM-2SAT.
Email and I will summarize to the net, or post.

Thanks,

```
Jer/ Eberhard, (SLASH), HAM = N0FZD     | Hewlett-Packard - MS99, 1UP10,15'East
Pilot, COMM, INST, CFI-GLIDER           | 3404 East Harmony Road (303) 229-2861
CAP Check&Mission Pilot, Pikes Peak 218 | Fort Collins, Colorado 80525-9599
ARPA:  jle@hpfcla.fc.hp.com             | Jer_Eberhard@hpfcla.fc.hp.com
```

From -1747632833327766313
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e931892d9732143a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,e931892d9732143a
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,e931892d9732143a
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-10-01 09:17:35 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!mintaka!yale!cs.utexas.edu!know!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!bbn.com!chowe
From: chowe@bbn.com (Carl Howe)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.radio.shortwave
Subject: Re: Proposed 10% federal tax on "electronic equipment"
Message-ID: <59732@bbn.BBN.COM>
Date: 1 Oct 90 16:17:35 GMT
References: <52.UUL1.3#1@vortex.COM>
Sender: news@bbn.com
Followup-To: rec.ham-radio
Lines: 13
Xref: gmdzi rec.ham-radio:15354 rec.ham-radio.packet:2862 rec.radio.shortwave:2298
Posted: Mon Oct 1 17:17:35 1990

According to the Wall St. Journal, Monday, 1 Oct, p. A7, column 2:

"Another candidate for the luxury tax discussed that would have hit
many Americans -- a 10% levy on electronics equipment with price tags
over $100 -- was apparently dropped from the final package."

This is not to say that you shouldn't lobby your congressperson to
prevent them from putting it back it. However, at the moment, it is
not part of the package.

Carl
WG1V

From 8163212954722782060
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1dbf269fff7a0840,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,1dbf269fff7a0840,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f74ae,1dbf269fff7a0840,start
X-Google-Attributes: gidf74ae,public
X-Google-Thread: f5cc0,1dbf269fff7a0840,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-10-01 09:41:30 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!korppi.tut.fi!rko
From: rko@korppi.tut.fi (Risto Kotalampi)
Newsgroups: rec.radio.shortwave,rec.ham-radio,sci.astro,sci.space
Subject: Solar activity and geomagnetic indexies
Message-ID: <1990Oct1.122707.4974@funet.fi>
Date: 1 Oct 90 12:27:07 GMT
Sender: news@funet.fi (#News)
Reply-To: rko@korppi.tut.fi (Risto Kotalampi)
Organization: Tampere University of Technology, Finland
Lines: 8
Xref: gmdzi rec.radio.shortwave:2273 rec.ham-radio:15300 sci.astro:6014 sci.space:16417
Posted: Mon Oct 1 13:27:07 1990

Is it possible to get latest solar fluxs and geomagnetic indexies
(A and K-index) via this net?

Please answer via e-mail!

```
# Risto Kotalampi, rko@tut.fi       #  DXing is not a hobby,  #

# Signal Processing Laboratory      #  it's a way of life!    #
# Tampere University of Technology  #                         #
```

From 4868522188313718897
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,39db65440d2627d0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-01 09:43:14 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!news-server.csri.toronto.edu!rutgers!apple!mips!cs.uoregon.edu!ogicse!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Code Tset Gimmick. Was: Ham Radio Liscense
Message-ID: <1379@ke4zv.UUCP>
Date: 1 Oct 90 00:38:06 GMT
References: <9009290233.AA05977@tilde>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)

Organization: Gannett Technologies Group
Lines: 17
Posted: Mon Oct 1 01:38:06 1990

In article <9009290233.AA05977@tilde> dube@cpdvax.csc.ti.com writes:
>Gary says he used the gimmic (writing the dots and dashes) to pass his Advanced.
>Say, Gary, did you go straight to Advanced from 5WPM?   Anyway, I'd really
>love to see a repeat performance. I tried doing that and found it harder to
>learn to do that than to learn the code.
>
>73,   Dube   N5PDK

Well let me set the record straight. I went from novice to General then took
the Advanced years latter. I copied the letters I recognized and dot dashed
the ones that gave me a mental block. This trick kept me from falling too
far behind and losing the context altogether. By the way, if you mark the
dots and dashes vertically instead of horizontally, it's much faster.

|... . ... | .|. . ||. .| .|. |.. ...

Gary

From 1599750070914907556
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c5c11d0f7dc448e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-01 09:57:08 PST
Path: gmdzi!unido!mcsun!uunet!midway!ncar!zaphod.mps.ohio-state.edu!uwm.edu!
ogicse!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: HT prices & survey
Message-ID: <1378@ke4zv.UUCP>
Date: 1 Oct 90 00:31:25 GMT
References: <18230039@hpfcdj.HP.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 42
Posted: Mon Oct 1 01:31:25 1990

In article <18230039@hpfcdj.HP.COM> goris@hpfcdj.HP.COM (Andy Goris) writes:
>
>I'm in the market for an HT, but I think I only need 2M. I'm interested
>in peoples pro's and cons for the Icom 2-SAT, 2-GAT, Yaesu FT-411E, and
>any other model they think is worth while. In fact, why don't I just
>conduct a little survey here, and I'll post the results. If someone has
>already done this recently, could you please mail me the results? thanks.
>
>The survey:
>
>1. What is your favorite single-band (2M) HT and why?

Icom IC2. Rugged and reasonably priced.

>2. What features do you think are important in a 2M HT? (e.g., obviously DTMF,
>   but what about # channels, sub-audible encode/decode, clock, etc.?)

Thumbwheels to set the frequency (work in the dark, simple, rugged) and a PL encoder. The rest is fluff. If you must make phone calls, buy a cellular phone.

>3. What antenna's do you recommend for it and why?

It comes with a duck. If you need more range, buy a mobile rig.

>4. What batteries do you recommend for it and why?

The biggest available. In the case of the IC2 thats a BP8. You need the extra mass when you use the radio to club a mugger.

>5. Are there any other accessories you recommend?

A rapid charger and spare batteries are musts.

>6. Is there any dealer you would recommend or not recommend?

Go with the one that has it in stock at the lowest price. Dealer service is mostly a joke anyway. Icom America has good factory service centers.

Naturally my requirements may differ from yours.

Gary KE4ZV

From -5037908912318614301
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a50ae06947c5cd3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-01 09:57:26 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!uunet!attcan!utgpu!watserv1!ria!uwovax!51160_1477
From: 51160_1477@uwovax.uwo.ca
Newsgroups: rec.ham-radio
Subject: NEW CANADIAN LICENSING STRUCTURE--TODAY!!!
Message-ID: <7213.27073d37@uwovax.uwo.ca>
Date: 1 Oct 90 16:57:26 GMT
Lines: 14
Posted: Mon Oct 1 17:57:26 1990

Well folks...it finally happened!

The new Canadian amateur radio framework took effect today.

I am one of those who was grandfathered to the highest level so can now work

HF phone. Canada has completely revamped the system so that entry level is
actually NO CODE (please let's not hear the CODE vs. NO CODE arguments
again).
It will be interested to see what effect it has on the bands.

Dave Colvin
VE3ZDC

Univ. of Western Ontario
London, Ontario, Canada
PPDDC@UWOCC1.UWO.CA

From 4689144501762486841
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1f794f611069b46,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-01 10:00:27 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!hpdmd48!ritchie
From: ritchie@hpdmd48.boi.hp.com (David Ritchie)
Newsgroups: rec.ham-radio
Subject: Ouch! ARRL takes a deeper bite....
Message-ID: <530022@hpdmd48.boi.hp.com>
Date: 1 Oct 90 04:31:30 GMT
Organization: Hewlett Packard - Boise, ID
Lines: 9
Posted: Mon Oct 1 05:31:30 1990

I just received my renewal for the ARRL in the mail. $30 (from $25 last
year) + $4 (was $2) additional for my wife. What are they doing the money in
Newington -- shredding it?

I realize that Connecticut isn't a cheap state to live in, but...

Dave Ritchie N4DJS (probably an ex-ARRL member in 1991)

From 8212382786332298560
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9955d8c0928cd133,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-01 11:11:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!elroy.jpl.nasa.gov!aero!obrien
From: obrien@aero.aero.org (Michael O'Brien)
Newsgroups: rec.ham-radio
Subject: Kenwood TH-75A dual-bander - questions & review
Message-ID: <87230@aerospace.AERO.ORG>

Date: 1 Oct 90 18:11:27 GMT
Sender: news@aerospace.aero.org
Reply-To: obrien@aero.aero.org (Michael O'Brien)
Organization: The Aerospace Corporation
Lines: 62
Posted: Mon Oct 1 19:11:27 1990

Just laid in a Kenwood TH-75A 144/440 MHz handy-talky, and I have a couple of questions for the net types.

1) Is there any way to clear a memory location (i.e. restore it to "unset" status) short of re-initializing the microprocessor and dumping all the memories at once? It matters when there is something loaded into memories 8 and 9 since they control the "programmable" band scan. You can't do a full scan unless they're empty. How do you empty them out?

2) Anybody got any nice handy undocumented power-up sequences or internal mods?

REVIEW:

The Kenwood TH-75A is a nice hefty piece of equipment that will run 2 watts on the supplied battery (7.2 volts) or 5 watts if you shove in a huge battery or run it off your car. As usual there are five or six different kinds of batteries you can shove onto the thing.

ADVANTAGES: The display is easy to read. Some displays have severe shadow effects if illuminated from the side - not this one. The buttons are widely spaced and easy to use for the fat-fingered. Some units have larger buttons, much more closely spaced. It's difficult to avoid pressing two buttons at once on those. The built-in audio is of excellent quality, as the speaker is larger than most on the market. The unit supports scanning both bands at once, and can work fully cross-band, listening on one while transmitting on the other. The manual has been written by a native English speaker; no "Japenglish" to be decyphered. The rubber duck antenna is a thin-whip type giving excellent coverage. "At 2.2 liters it's good only for hand-to-hand combat..." Well, not exactly, but you can sure club a mugger with this baby. It looks like it would be none the worse for wear, either. It's built like a tank.

DISADVANTAGES: There are almost too many features. This radio takes about three hours to learn how to drive, and there are some features which aren't explained in the manual...you just have to crash around, causing interference etc., until you figure out just what the heck is going on in there. There seems to be no way to clear a memory location to "unset" status, which is actually a desirable thing to want to do - see question (1) above. There is no memory for autopatch phone numbers, a feature some other units have - very handy while driving not to have to punch in a whole phone number. While the manual is clear, some things in it are not. (Example: turning on CTCSS for receive also turns it on for transmit, though there is a separate button for doing this. This isn't documented - nor does the tone-encoded transmit indicator come on in the display. It makes sense in retrospect but it's puzzling as hell when you're trying to figure out why a given repeater sometimes hears you and sometimes doesn't.) The actual effect of the "battery save" function isn't explained, either. It doesn't turn off the display - that's "Auto Power Off." There are more things like this.

WEIRDNESS: At the touch of a button the whole thing turns into a pager, and turns off almost all its other functions in so doing.

UPSHOT: Seems like a good unit, at the bottom of the price range for dual-banders. Mine cost $440 at Ham Radio Outlet.

--
Mike O'Brien
obrien@aerospace.aero.org

From 7738729704650141994
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5f9b709a44de62c7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-01 11:58:47 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: Building a Low Power AM transmitter
Message-ID: <299@ssc.UUCP>
Date: 1 Oct 90 18:58:47 GMT
References: <7184@darkstar.ucsc.edu> <18230042@hpfcdj.HP.COM>
Organization: SSC, Inc., Seattle, WA
Lines: 11
Posted: Mon Oct 1 19:58:47 1990

In article <18230042@hpfcdj.HP.COM>, myers@hpfcdj.HP.COM (Bob Myers) writes:
| About the only way that a "broadcast" outlet can be set up *relatively*
| cheaply and hassle-free is the "carrier-current" type of station, as used
| by many college dormitories. This arrangement basically uses the building's
| AC wiring to carry a low-level signal, which again is very unlikely to make
| it very far outside the building.

And Title 47 paragraph 15.221 says that carrier current systems are limited to colleges and other educational institutions.

markz@ssc.uucp

From -4758744880868122020
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0435bb86a66eb93,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-01 15:48:21 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-

state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Ham Radio License
Message-ID: <7880306@hpfcdc.HP.COM>
Date: 1 Oct 90 22:48:21 GMT
References: <34303@cup.portal.com>
Organization: HP Fort Collins, Co.
Lines: 15
Posted: Mon Oct 1 23:48:21 1990

>At 1194.3.10331.11, Nick Sayer suggests writting down dits and dahs
>instead of letters when taking code tests...
>
>For the record, when I took my code tests we were told this was
>expressly forbidden and anyone doing it would be disqualified.
>I took the exams in Laurel, Maryland.
>
>Michele
>N3ILO

Your VE obviously has no sense of humor. Find another VE.

Perry
KF0CA

From -8284354777010989268
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb108b67bb5a46d6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-01 15:50:50 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!ub!
uhura.cc.rochester.edu!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: Auto Alarm Remotes
Message-ID: <40415@cci632.UUCP>
Date: 1 Oct 90 14:19:25 GMT
References: <34407@cup.portal.com>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 11
Posted: Mon Oct 1 15:19:25 1990

In article <34407@cup.portal.com> schuster@cup.portal.com (Michael Alan Schuster) writes:
>What frequencies do the little hand held remotes, used to arm and
>disarm automobile alarm systems, transmit on? I've disassembled
>a couple and have never found a crystal, just a single chip and
>a bank of DIP switches. Are the frequencies varied as part of the
>encoding process?

Mine transmits a few milliwatts in the area of about 37 MHz. The receive beeper (the "pager") transmits around 27MHz.

Chris/WZ2B

From 6019340080309002705
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,52fffe7622120af8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-01 16:03:11 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Yaesu HT470 intermod on ext ant?
Message-ID: <1380@ke4zv.UUCP>
Date: 1 Oct 90 12:43:50 GMT
References: <508@public.BTR.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 44
Posted: Mon Oct 1 13:43:50 1990

In article <508@public.BTR.COM> rah@public.BTR.COM (Richard A Hyde rah@btr.com) writes:
>Hello fellow netlanders,
>
>As a new ham, I (and my wallet) are looking at HTs to purchase. The decision
>seems to be coming down to a choice between the Yaesu HT-470 and the ICOM
>24AT. I was just about to decide on the Yeasu (lower price, >= features)
>when this salesman ambles up. His claim was that the Yeasu is a fine ham-
>bands only machine, but that if I ever wanted it to do anyting else I would
>be disappointed.. i.e using it with a rooftop antenna for more range or
>packet would be almost impossible because of intermod - the squelch would
>never drop so I could never transmit.
>
>Well, I'm not sure I want to DO packet, but I would hate to limit my options.
>
>Any feedback would be appreciated.. Was the salesmans claim valid, or was
>I being steered to a higher margin device?

As much as I admire Icom equipment, you were being had! My FT470 suffers from some intermod in downtown Atlanta, but so does my Icom and in the same places and in about the same amount. ALL of the wide receive coverage HTs suffer from out of band intermod to some extent. The FT470 got a bad rep because it's first IF falls in such a way that the National Weather Service frequency image falls on a popular 146 Mhz repeater frequency. Yaesu will shift the IF for you at no charge if this is a problem in your area. Because HTs normally work with such a poor antenna (ducky), they are made to be very sensitive. So wide receive coverage and high sensitivity add up to intermod problems when you hook any of the newer HTs to a good antenna.

You can avoid overloading your HT with out of band signals by putting a cavity in the line to your outside antenna (highly recomended), or you can buy an HT that doesn't have wide receive coverage such as the IC2 from Icom, or you can buy a base rig for use with outside antennas.

HTs are nice, but like multimode packet/rtty/amtor/fax boxes, they are a compromise. A dedicated radio for a dedicated purpose will be superior to a radio that you attempt to force to be everything to everybody.

The salesman may have fallen prey to the rumour mill and may honestly have thought he was giving you good advice. The margins are slim on Icom as well as Yaesu. If, on the other hand, he had tried to steer you toward a Kenwood, well then he was trying to get his hand in your pocket.

Gary KE4ZV

From -869071785028392675
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c42431bc94860997
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-01 16:03:43 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Novice test code requirement... Again.
Message-ID: <1381@ke4zv.UUCP>
Date: 1 Oct 90 13:43:26 GMT
References: <90269.121355DOW@MAINE.BITNET> <1371@ke4zv.UUCP> <90272.072732DOW@MAINE.BITNET>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 69
Posted: Mon Oct 1 14:43:26 1990

In article <90272.072732DOW@MAINE.BITNET> DOW@MAINE.BITNET (Michael R. Dow) writes:
>
> Gary, I'm very disturbed by your lack of thought concerning my posting.
>In the beginning of my posting, I prefaced it with *I* ... These were *my*
>feelings; I was not attempting to say that 'this is the way it is'.

I am concerned that you choose to delete the line in your post with the cute little #$%#$ curse symbols in it that triggered my flame. You were clearly displaying an attitude that said *I* did it so it's easy for everyone. It's not. I felt that I had to respond to a posting that viewed the world through such narrow personal blinders.

> You, on the other hand, displayed a true lack of 'brotherhood' in the
>advancement of ham radio. Yes, I agree that certain people have trouble

>learning the code. I maintain that in most of these cases, it is because
>1) they choose to have a hard time at it by a lack of HONEST effort over
>a period of time and 2) because people like you promote the attitude that
>its silly and you don't need to learn it. "You can cheat your way through
>this way: let me show you. "
>
> I'm sorry you have had such a bad experience with CW. I tend to think
>that CW is a necessary barrier of entry. I think of Ham Radio much the
>same waay as music. (I have been a musician for 18 years.) Many people
>want to be a musician and (for instance) play the guitar. Playing the guitar
>takes several things: Time, desire, ambition, patience, diligence and
>PRACTICE. If even one of these things is lacking, the person will not be
>successful in learning the instrument. (By the way, there's no way to
>cheat on a guitar test.) I submit that the same requirements exist for
>learning the code for the ham radio tests.

I knew it. I have contended for a long time that musical talent and CW skill go hand in hand. Every high speed CW op that I have discussed this with has admitted to being musical. Most of the folks who have trouble with CW admit they can't carry a tune in a bucket. Personally, I wasted several years of bloody fingered practice trying to master the guitar. I could technically sound the notes perfectly, but I could never make music. Similarly, I spent a year of very hard work building enough code speed to pass the exam, but I still get a mental block at times even on the simplest letters, even E. I found that writing the dots and dashes down at such times allowed me to continue copying without getting hopelessly behind. You don't seem able to understand this. Because it's "easy" for you, I must not be "HONESTLY" trying hard enough. Please also consider that Samuel Morse's original telegraph made marks on a strip of paper that were later deciphered by the operator. This is the way old Sam intended the Morse Code to be used. I don't consider it cheating to use his methods. Copying the message correctly is what it's all about after all, not showing off a musical talent.

> Gary, I do hope that you can learn to further the efforts of ham radio
>operators in a more respected manner than what you are displaying. It is
>a worthy hobby of talented and willing individuals. Perhaps one of the
>reason the code requirement exists is to keep out people who will be a
>detriment to the radio community as a whole. (I bring to mind the recent
>20 meter wars, and also leave you to think of the deplorable condition of
>11 meters.)

I hope you will learn that your view of the world is not the only view. I hope you will learn that there are other people in the world who don't have your musical gift, but have other fine talents that can contribute to the betterment of Amateur radio if the artificial barrier of the CW exam is removed. And I can't resist pointing out that the 20 meter warriors all passed a CW exam.

I admire people who can make beautiful music, on a guitar or on CW, but it takes more than effort to make music, it also takes talent. That's something a person is born with and, like the color of his skin, something he can't change no matter how hard he tries.

Gary KE4ZV

From 7561432135384894796
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16cad57d6fd36514
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-01 17:01:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!bacchus.pa.dec.com!deccrl!shlump.nac.dec.com!ryn.esg.dec.com!cimnet.dec.com!pierson
From: pierson@cimnet.dec.com
Newsgroups: rec.ham-radio
Subject: Re: Ethernet coax as feeder?
Message-ID: <2950@ryn.esg.dec.com>
Date: 1 Oct 90 16:15:13 GMT
Sender: guest@ryn.esg.dec.com
Organization: Digital Equipment Corporation
Lines: 34
Posted: Mon Oct 1 17:15:13 1990

Julian Macassey writes, in part:

> Maybe someone else has the actual attenuation figures of this stuff.
> Maybe someone could also explain why not use RG8 for Ethernet cable. I
> don't know what the price difference between Ethernet cable and RG8
> is. That alone may explain much.

Belden Catalog, 89 or 90:

freq MHz	"ethernet" db/100' 9880/89880	"rg-8/u type" db/100' 8214
1	0.19	0.14
5	0.37	n/s
10	0.52	0.5
50	1.2	1.2
100	n/s	1.8
1000	n/s	7.1

center conductor 1.2 ohms/Kft   1.4 ohms/Kft
Newark pricing: $494/500' $434/500'
in short: little difference...

"8214" picked at random from a forest of rg-8 trees.
Newark picked at random, your pricing may vary...

thanks
dave pierson |the facts, as accurately as i can manage,
Digital Equipment Corporation |the opinions, my own.
600 Nickerson Rd
Marlboro, Mass

From -8406477738552238026
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5f16fb70dd4dc591,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,5f16fb70dd4dc591,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-01 17:03:03 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Sad News for RTTY monitors
Keywords: USIA
Message-ID: <1990Oct1.170919.22522@lopez.UUCP>
Date: 1 Oct 90 17:09:19 GMT
Followup-To: rec.radio.shortwave
Organization: Great White North/UPlink - Marquette, Michigan
Lines: 44
Xref: gmdzi rec.radio.shortwave:2278 rec.ham-radio:15308
Posted: Mon Oct 1 18:09:19 1990

Today is a very sad day in the life of the died in the wool news junkie and RTTY monitor:

TERMINATION OF RTT TRANSMISSIONS OF FILE TO AR
(TO CEASE SEPT. 30, END OF ERA) (120)

EFFECTIVE SEPT. 30, TRANSMISSION OF THE WIRELESS FILE TO AR POSTS VIA RADIO TELETYPE (RTT) WILL CEASE. THE CONVERSION TO HIGH SPEED MODEMS AND SATELLITE TRANSMISSION OF THE FILE IS NOW A REALITY IN AR -- AND DOUBTLES AN IMPROVEMENT -- AND IT SIGNALS THE END OF ONE ERA AND THE BEGINNING OF ANOTHER. FOR THOSE WHO REMEMBER "GARBLE CHARTS" AND THE EFFECTS OF SUN SPOTS, P/PFL WOULD LIKE TO PROPOSE A MOMENT'S REFLECTION ON OCT. 1 ON THE FILA'S MORE THAN 50 YEARS OF SERICE -- VIA RTT.

(PRECEDING FS MATERIAL NOT FOR PUBLICATION)
NNNN
28/21:16 GMT

Tuned today to the formerly STRONG perfect VOA freq, thinking the above was some kind of bad dream or mistake.

Nope. Just like with AFRTS, another source of NEWS is gone. The 14637 feed was about 200K a day. Here at Great White North, we used it as a source for the "official line" and government opinion. In the past few weeks, we found the phrase "NEW WORLD ORDER" in the feed many many times. Even more than one has been hearing it on conventional media.

We feel let down and depressed up here. As I type it is raining slush on a cold grey MONDAY afternoon.

Such is progress.
```
--
=Marquette MI: It's Not the END of the world, but you can see it from here=
==  Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash)  GWN UPLink  ==
==  3.950  Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================
```

```
From -1457299956395631119
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9bfb6c8c632e9877,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9bfb6c8c632e9877,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,9bfb6c8c632e9877,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-10-01 17:17:08 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!rust.zso.dec.com!stoppani
From: stoppani@rust.zso.dec.com (Pete Stoppani)
Newsgroups: rec.radio.shortwave,rec.ham-radio,rec.ham-radio.swap
Subject: FOR SALE: Grove "Power Ant III" Preamp
Message-ID: <1337@rust.zso.dec.com>
Date: 1 Oct 90 18:38:46 GMT
Followup-To: rec.ham-radio.swap
Organization: DECwest, Digital Equipment Corp., Bellevue WA
Lines: 27
Xref: gmdzi rec.radio.shortwave:2279 rec.ham-radio:15309 rec.ham-radio.swap:653
Posted: Mon Oct  1 19:38:46 1990
```

I have a Grove "Power Ant III" antenna pre-amp that I'd like to sell. It has a max gain of 30dB and the gain is continuous (as appossed to a switch where you select a specific gain like 5dB, 10dB,...). It uses type F connectors (one for antenna input and two receiver outputs) and it comes with an AC wall adaptor. Dimensions are: 4"Wx2"Hx3"D. The preamp also comes with two coax leads to the receiver(s) with the following connectors: PL-259, 1/8" mini-jack (for portables), and a BNC connector (for scanners).

To summarize, here is what's included:

Grove Preamp
AC wall adapter
Two coax leads (about 2 feet in length, F connectors at both ends)

One F to PL-259 connector
One F to 1/8" mini-jack connector
One F to BNC connector

List price is $79.95 (for the preamp) plus 12.95 (for the cables and
connectors). I'll sell it to the best offer. Oh, I'm selling the preamp
because my newest radio (an ICOM R70) has a built-in preamp which works
quite well so I no longer need the Grove preamp.

```
--
| Pete Stoppani          | stoppani@decwet.dec.com                      |
|  DECwest Engineering   | decwrl!fungus.enet!stoppani                  |
|  Bellevue, WA          | stoppani@fungus.zso.dec.com                  |
| "The wise learn more from fools than fools learn from the wise."   |
```

From 870185520708927035
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a846005af4cd8224
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-01 17:28:21 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!usc!
orion.oac.uci.edu!ucivax!zardoz.cpd.com!dhw68k!emmayche
From: emmayche@dhw68k.cts.com (Mark Hartman)
Newsgroups: rec.ham-radio
Subject: Re: Code Tset Gimmick. Was: Ham Radio Liscence
Message-ID: <1990Oct2.002821.22140@dhw68k.cts.com>
Date: 2 Oct 90 00:28:21 GMT
References: <1990Sep25.164049.450@mlb.semi.harris.com> <1250240@hpnmdla.HP.COM>
Reply-To: emmayche@dhw68k.cts.com (Mark Hartman)
Organization: Wolfskill & Dowling residence; Anaheim, CA (USA)
Lines: 30
Posted: Tue Oct 2 01:28:21 1990

In article <1250240@hpnmdla.HP.COM>,
alanb@hpnmdla.HP.COM (Alan Bloom) writes:

>>>When I took my 5wpm test this spring, the VE announced that using this
>>>technique would be grounds for disqualifying the applicant. Writing
>>>the characters I recognized and guessing about the missing characters
>...>later was ok.
>>3. Sue. Consult your mouthpiece; you may have standing and grounds.
>----------
>
>Oh, wonderful. Sure. Sue the volunteer who is donating his time trying
>to help you get your ham license. That will encourage more hams to
>volunteer their time and services knowing that they will get nothing
>in return but trouble.

If someone (whether volunteer or not) decides that they will arrogate to
themselves the authority to determine which code-copying techniques are
"acceptable" and which are not, a judgement which is completely outside
the authority given to him by the FCC, and for that reason decides to
disqualify a given applicant - that's called "abuse of authority".

If you don't follow the rules you're given, and damage someone else as a result, you're likely to be sued. I wouldn't have it any other way.

de N6BMO
--

Mark Hartman
uucp: ...{spsd,zardoz,felix}!dhw68k!emmayche Internet:emmayche@dhw68k.cts.com
CompuServe: >internet:emmayche@dhw68k.cts.com Applelink: N1083

```
From 3182687113257O4378
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8924141da8b9b38a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-01 17:42:48 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!usc!
orion.oac.uci.edu!ucivax!zardoz.cpd.com!dhw68k!emmayche
From: emmayche@dhw68k.cts.com (Mark Hartman)
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was Re:
Message-ID: <1990Oct2.004248.22696@dhw68k.cts.com>
Date: 2 Oct 90 00:42:48 GMT
References: <60255@iuvax.cs.indiana.edu> <30500748@ux1.cso.uiuc.edu>
Reply-To: emmayche@dhw68k.cts.com (Mark Hartman)
Organization: Wolfskill & Dowling residence; Anaheim, CA (USA)
Lines: 40
Posted: Tue Oct  2 01:42:48 1990
```

In article <30500748@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:

>My personal interpretation of this law is this. If I have my radio
>with me and it can communicate with the authorities, then IS is THE
>fastest means possible.

Yes - but make sure that it's an emergency as defined in FCC rules. If the "injury" is a simple broken arm (i.e., non-life-threatening), the use.

Having asked folks in the State of California about it (and getting incredulous responses like "you can really do that?", here's what they suggested:

First, DO NOT try to use the normal procedure of the agency you're trying to talk to. You want your transmission to be absolutely distinguishable from normal traffic. For example, the CHP dispatch center in this area has the tac call sign of "Santa Ana" - to get their attention and report an emergency under this method, I would probably say "Highway Patrol dispatch, this is amateur radio station N6BMO with emergency traffic."

That's the second one - make sure the words "emergency traffic" are in there somewhere. After that, just talk to them.

>I would followup any such use of the radio with a written report to the
>appropriate authorities so they would know exactly "what, when, and why"
>of the incident. Only after that will I be able to REALLY find out how
>they react to such use of their radio frequency.

Make sure that one of these "appropriate authorities" is the FCC Engineer-in-charge of your area - this falls under his purview, and the person who gets the story in first generally has the best chance of keeping his license :-).

de N6BMO
--

Mark Hartman
uucp: ...{spsd,zardoz,felix}!dhw68k!emmayche Internet:emmayche@dhw68k.cts.com
CompuServe: >internet:emmayche@dhw68k.cts.com Applelink: N1083

From 5678242946771350489
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b31f525191e05550
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-01 18:49:06 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: QSOs by appointment?
Summary: DXpeditions, Satcom, BARF
Message-ID: <301@ssc.UUCP>
Date: 2 Oct 90 01:49:06 GMT
References: <251@bongo.UUCP>
Organization: very little
Lines: 39
Posted: Tue Oct 2 02:49:06 1990

In article <251@bongo.UUCP>, julian@bongo.UUCP (Julian Macassey) writes:
>
>   On page 14 was "The Club Bouvet, 3Y5X, Story". I usually expect the
> "How we worked the States from a coral reef" stories to be in CQ, but
> it seemed like good light reading so I gave it a go.
>
 But read on, in the next column is more
> riveting ham radio news: "The new Inmarsat satellite system was
> impressive, providing two-way public TELEX service from our laptop
> computer via a tiny omnidirectional antenna for weather reports, press
> releases and other project correspondence. We also had an HF voice
> link to Norway on frequencies outside the ham bands."
>
>   Only a cynic would envision a scenario where an exchange is made via
> Inmarsat to schedule a CW QSO on 20 Meters. Amazing where technology
> has taken us.
>

>   I assume all the CW gear was to back up the Inmarsat terminal (-:

This way they never had to worry about the BARF net moving on frequency, telling them that they were in violation of regulations for handling communications that by their signifigance, are only legal on public networks for hire!

Satcoms allowed them to keep the ham bands for approved hammy type pursuits, while the nuts and bolts type comms were via Telex.

:) :) :) :)

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

```
From 6154743939419419614
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc85c52229472b22,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,fc85c52229472b22,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-01 19:53:39 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!emory!mephisto!eedsp!lagrange!tucker
From: tucker@lagrange.eedsp.gatech.edu (Jeff Tucker)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Medical aid frequencies?
Message-ID: <1185@eedsp.eedsp.gatech.edu>
Date: 2 Oct 90 02:53:39 GMT
References: <259@ramecs.UUCP>
Sender: news@eedsp.eedsp.gatech.edu
Reply-To: tucker@lagrange.eedsp.gatech.edu (Jeff Tucker)
Organization: Georgia Institute of Technology
Lines: 53
Xref: gmdzi rec.radio.shortwave:2292 rec.ham-radio:15343
Posted: Tue Oct  2 03:53:39 1990
```

In article <259@ramecs.UUCP>, car@ramecs.UUCP (Chris Rende) writes:
|>I just saw one of those TV comercials for a device that "old folks" can
|>carry with them that has a panic button on it.
|>
|>When the button is pressed, it somehow gets a message to the local ambulance.
|>
|>How do these things work?

|>
|>My guess would be that the device is a low power 300Mhz transmitter
|>(like wireless burgular alarms or newer car alarm control boxes).
|>A receiver would then be connected to a telephone auto-calling device
|>which phones the ambulance and plays a pre-recorded message asking for
|>help.
|>
|>
|>car.
|>--

I used to install these things for a local hospital. You're correct on
the transmitter.
I don't have any idea what freqency range they use, but they are keyed
either by freq.
or by some code to a particular receiver. There were several different
ones, and if
you had two subscribers next door to each other, you would put in two
different codes.

The boxes automatically call the monitoring service, either local or a
national one in
a different state. There is a data transmission which identifies the
box to the service.
They have a file, made out on subscription, on each box which identifies
the person,
medical conditions, responding agencies, etc. The service always calls
the house first
to check for false alarms. If no answer, they call a predesignated call
list starting
with a neighbor, etc. on down to the police or ambulance. The boxes
also have a timer,
which can be disabled. If the timer is not reset every 12/24 hours, the
box calls the
service and informs them of that, in case the person could not signal
himself. It also
automatically calls on low battery condition of the large battery
backup.   Pretty good
little system, actually, but not cheap. The ones I put in were
subsidized by the hospital
and cost the subscribers $20/mo.

```
---------------------------
Jeff Tucker                         N9HZQ
tucker@eedsp.gatech.edu             Graduate Student, Electrical Engineering
                                    Georgia Institute of Technology
```

From -7731311389379529154
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc85c52229472b22
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,fc85c52229472b22

```
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-01 20:11:41 PST
Path: gmdzi!unido!mcsun!uunet!midway!ux1.cso.uiuc.edu!julius.cs.uiuc.edu!psuvax1!
rutgers!cbmvax!heimat!dan
From: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Medical aid frequencies?
Message-ID: <191@heimat.UUCP>
Date: 2 Oct 90 03:11:41 GMT
References: <259@ramecs.UUCP>
Reply-To: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Organization: Sneakers Computing, West Lawn, PA
Lines: 26
Xref: gmdzi rec.radio.shortwave:2289 rec.ham-radio:15334
Posted: Tue Oct  2 04:11:41 1990

In article <259@ramecs.UUCP> car@ramecs.UUCP (Chris Rende) writes:
>I just saw one of those TV comercials for a device that "old folks" can
>carry with them that has a panic button on it.
>
>When the button is pressed, it somehow gets a message to the local ambulance.
>
>How do these things work?
>
  Help! Ive fallen and I can't get up.....

  Immmm, Immmmmm having chest pains......

  My guess is that the transmitter carried by the person only has to reach
  a local transcever (in their home) that is tied into the phone line. This
  in turn dials a local alarm company that then calls the family and proper
  emergency people. Of course ive never seen one and this only my guess so
  the ususal money back offer is invalid :-)
--
                               _____
     Dan 'Sneakers' Schein    /     \   Quote:
     Sneakers Computing     \/\/     |        Those who worked the hardest
     2455 McKinley Ave.      |  (o)(o)        are the last to surrender.
     West Lawn, PA 19609     C   .---_)            -= Gary Ward =-
                              | |.___|
                              |  \__/
     uunet!cbmvax!heimat!dan  /_____\  (or)  dan%heimat@commodore.com


From -5044235914102491555
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,494373c3a29bed47,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-01 21:21:37 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-
state.edu!wuarchive!psuvax1!rutgers!bellcore-2!thumper.bellcore.com!karn
From: karn@thumper.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
```

Subject: W6EZV silent key
Message-ID: <1990Oct2.042137.20449@bellcore-2.bellcore.com>
Date: 2 Oct 90 04:21:37 GMT
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 5
Posted: Tue Oct 2 05:21:37 1990

I just saw an AP wire service report saying that Curtis Le May, former
SAC commander and vice presidential candidate, died on Monday.

Phil

From 7473566950943481411
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc85c52229472b22
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-01 22:26:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!zaphod.mps.ohio-state.edu!
julius.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Medical aid frequencies?
Message-ID: <30500753@ux1.cso.uiuc.edu>
Date: 2 Oct 90 05:26:00 GMT
References: <259@ramecs.UUCP>
Lines: 20
Nf-ID: #R:ramecs.UUCP:259:ux1.cso.uiuc.edu:30500753:000:847
Nf-From: ux1.cso.uiuc.edu!phil   Oct 2 00:26:00 1990
Posted: Tue Oct 2 06:26:00 1990

> When the button is pressed, it somehow gets a message to the local ambulance.
>
> How do these things work?
>
> My guess would be that the device is a low power 300Mhz transmitter
> (like wireless burgular alarms or newer car alarm control boxes).
> A receiver would then be connected to a telephone auto-calling device
> which phones the ambulance and plays a pre-recorded message asking for
> help.

I don't know if there is a pre-recorded message or not. There would have
to be if there is not easy way to identify the phone number. It does open
a room speaker to the phone line.

The remote control I saw uses and audio tone pair to activate the system.
It looked quite cheap to me.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society

```
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From -6725229024917859708
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1f794f611069b46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-02 05:40:40 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!
ryn.esg.dec.com!ultnix.enet.dec.com!taber
From: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Newsgroups: rec.ham-radio
Subject: Re: Ouch! ARRL takes a deeper bite....
Message-ID: <1990Oct2.084040@ultnix.enet.dec.com>
Date: 2 Oct 90 12:40:40 GMT
References: <530022@hpdmd48.boi.hp.com>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Organization: KC1TD@KB4N.NH.USA.NA.EARTH.SOLAR_SYSTEM.UNIVERSE.MIND_OF_GOD
Lines: 30
Posted: Tue Oct  2 13:40:40 1990
```

In article <530022@hpdmd48.boi.hp.com>, ritchie@hpdmd48.boi.hp.com (David Ritchie) writes:

```
|>
|>  I just received my renewal for the ARRL in the mail. $30 (from $25 last
|>year) + $4 (was $2) additional for my wife. What are they doing the money in
|>Newington -- shredding it?
|>
|>  I realize that Connecticut isn't a cheap state to live in, but...
|>
|>       Dave Ritchie N4DJS (probably an ex-ARRL member in 1991)
|>
```

The increase was announced well in advance. If you didn't know about it before your renewal came up and you don't know how the money is used, then you probably *are* wasting your money sending in a renewal, since all you did was pay dues -- you never allowed yourself to be a member. The "L" stands for "league -- an association or alliance of persons for common action.", The dues is not some award you are granting to the league -- it's a payment partly to pay your cost to the organization (QST) and partly to help advance its goals. The League needs the money, but you're not really a member unless you're involved. The very least involvement is reading the magazine, and that was where the increase was announced.

```
--
                                                  >>>==>PStJTT
                                          Patrick St. Joseph Teahan Taber

My employer doesn't care what I think.  I, in turn, don't care what
you think.  You probably don't care what my empolyer thinks.  Thus is
life a circle.
```

From 4972160864576142549
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3b5ec60de71ecbec,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-02 07:19:29 PST
Path: gmdzi!unido!mcsun!uunet!ubvax!hardwick
From: hardwick@ubvax.UB.Com (Bob Hardwick)
Newsgroups: rec.ham-radio
Subject: Ethernet Cable Loss
Message-ID: <33707@ubvax.UB.Com>
Date: 2 Oct 90 14:19:29 GMT
Organization: Ungermann-Bass, Inc., Santa Clara, CA
Lines: 35
Posted: Tue Oct 2 15:19:29 1990

From the Comm/Scope catalog

Ethernet Net cable IEEE 802.3

Shield 2-Foil + 2 90% TC

50 ohm

Mhz	db/100 Ft.
10	0.52
50	1.20
150	2.00
300	3.10
400	3.60

RG-213

50	1.60
100	2.20
200	3.20
400	4.70

I hope that this will help any one that wants to use Ethernet cable for feed line.

Bob Hardwick WA6NFJ

--

Bob Hardwick WA6NFJ   Support No Code, Save The VHF,UHF Bands.
I speak Only for my self.

From 3425558103565441082
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1f794f611069b46
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-02 07:46:05 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!rpi!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Ouch! ARRL takes a deeper bite....
Message-ID: <325@ultrix.uhasun.hartford.edu>
Date: 2 Oct 90 14:46:05 GMT
References: <530022@hpdmd48.boi.hp.com>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 29
Posted: Tue Oct 2 15:46:05 1990

In article <530022@hpdmd48.boi.hp.com>, ritchie@hpdmd48.boi.hp.com (David Ritchie) writes:
>
>
>   I just received my renewal for the ARRL in the mail. $30 (from $25 last
> year) + $4 (was $2) additional for my wife. What are they doing the money in
> Newington -- shredding it?

If you really want to know what's being done with it, the audited financial statements of ARRL for 1989 start on page 56 of the May, 1990 issue of QST. I also suggest reading the article on page 18 of March, 1990 QST.

Considering that the last dues increase was in 1981, I think we've done a pretty good job of holding the line on expenses. But you'll have to decide for yourself whether the services available from ARRL, plus the contents of QST, plus the opportunity to help protect and defend the Amateur Service are worth $30/year to you.

>   I realize that Connecticut isn't a cheap state to live in, but...

You got that right...

>   Dave Ritchie N4DJS (probably an ex-ARRL member in 1991)

```
--
Jon Bloom, KE3Z                             | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu        |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

From 8941958544039165496
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc5c6b8b9f40dc11,start

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,dc5c6b8b9f40dc11,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f5cc0,dc5c6b8b9f40dc11,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-10-02 08:21:10 PST
Path: gmdzi!unido!mcsun!uunet!know!cs.utexas.edu!rutgers!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.space
Subject: News From OSCAR-11 30Sep90
Keywords: MIR, BADR-1, UO-11, FO-20, AO-10, AO-13
Message-ID: <350@ka2qhd.UUCP>
Date: 2 Oct 90 15:21:10 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 118
Xref: gmdzi rec.ham-radio:15345 rec.ham-radio.packet:2861 sci.space:16463
Posted: Tue Oct 2 16:21:10 1990

```
* UOSAT-2 OBC STATUS INFORMATION *

DIARY OPERATING SYSTEM V3.1 SMH MLJM MSH

 Today's date is 2 /10 /90  (Tuesday)
 Time is 13 :48 :48 UTC
 Auto Mode is selected
 Spin Period is - 269
 Z Mag firings  = 0
 + SPIN firings = 33
 - SPIN firings = 20
 SEU count      = 23953
 RAM WASH pointer at A057
 WOD commenced 2 /10 /94 at 0:0 :9
 with channels 53 ,
 Last cmnd was 109 to 0 , 0
 Attitude control initiated, mode 1
 Data collection in progress
```

**** UoSAT-OSCAR-11 BULLETIN   30 September 1990 ****

UoSAT MISSION CONTROL CENTRE
University of Surrey, Guildford, Surrey, GU2 5XH, England

** UO-11

Suggestions on the most useful operating schedule for UoSAT-2 should be sent to UoSAT as soon as possible so that they can be taken into account during an operations review due to take place later this month.

** FO-20

FO-20 is continuing to experience high temperature problems (due to the spacecraft experiencing no eclipse periods during which it can cool down) which is forcing a drastic reduction of operations. As of the weekend of 29 Sept 90, the battery temperature had risen to near 45 degrees C. Extended exposure to high battery temperature will decrease the useful life of the battery.

From		To		Mode
011090	0900	021090	0910	PSK Telemetry acquisition
041090	0955	041090	2330	JA
081090	0920	081090	1110	JA and JD
111090	0825	121090	0850	JD

The above dates and time are in UTC and the schedule may change without notice. The FO-20 Command Team will be monitoring satellite performance and operations during these times and may turn off the transponder if they determine that the satellite is in danger.

** MIR

A new and exciting amateur radio project is being planned for the Mir space station known as the "Amateur Radio Experiment on Mir" or AREM. This project is the result of a collaboration between the Soviet Union and the Austrian Amateur Radio Society (OeVSV). It is designed to provide equipment for both 2M packet data and voice transmissions from Mir. The voice messages will be spoken in German, Russian, and English and will alternate with packet transmissions. The first AREM operations are expected to begin around January 1991 when an Austrian cosmonaut will install the station after he joins the crew of the Mir. To obtain further information about AREM, please write to:

Wolf Hoeller (OE7FTJ)
Amraserstrasse 19
A-6020 Innsbruck
Austria

** AO-13

The present transponder schedule for AO-13 is as follows:

Mode-B   : MA 003 to MA 165
Mode-JL   : MA 165 to MA 195
Mode-B   : MA 195 to MA 240
Off   : MA 240 to MA 003 (Mode B Beacon On)
Omni Antennas   : MA 240 to MA 060

The September 10 attitude estimate is:

BLON = 205 and BLAT = -7

** AO-10

Until further notice please DO NOT use AO-10's transponder.

** BADR-1

Would any stations receiving signals from the BADR-1 spacecraft on 145.825 MHz and 144.010 MHz please send brief details to UoSAT - thank you.

Thanks to AMSAT-NA ANS and its contributors for much of the above information, there is generally insufficient 'room' in the UO-11 Bulletin to give regular acknowledgements.

** $BID **

Please use BID $UOSAT.930 for PR BBS use.

```
--
John A. Magliacane                 FAX  : (908) 747-7107
Electronics Technology Department  AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College        UUCP : ..!uunet!masscomp!ocpt!ka2qhd!kd2bd
Lincroft, NJ  07738  USA           VOICE: (908) 842-1900 ext 607
```

```
From 1730090183694306579
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d54d6207c3c1886c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-02 08:49:40 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!infopiz!lupine!hansen!phil
From: phil@hansen.Berkeley.EDU (Phil Graham)
Newsgroups: rec.ham-radio
Subject: Info on Preamps for OSCAR-13 wanted
Keywords: OSCAR, PREAMP, SATELLITE
Message-ID: <1838@lupine.NCD.COM>
Date: 2 Oct 90 15:49:40 GMT
Sender: news@NCD.COM
Reply-To: phil@hansen.Berkeley.EDU (Phil Graham)
Lines: 18
Posted: Tue Oct  2 16:49:40 1990
```

I just got my OSCAR-13 satellite system all up and running and wow is it a blast! My first contact was with a FINLAND station (OH5LK) and I made 6 more with various US stations.

Although I could copy most of the stations it was not easy (I do not have a preamp for either 70cm or 2M). So I would like to get information about preamps that are available and the only one that I know about is the Landwehr preamps that Henry radio sells. I am looking for a preamp that has RF switching in it and can handle greater than 100 watts (currently run 30 watts but I don't want to fry a expensive PREAMP)..

So If you know of a good vendor please send to me their name, FAX number, phone number, or address so that I can get the info!

Thanks in advance!

Phil
KJ6NN

From 3689471184210322667
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c5c11d0f7dc448e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-02 09:06:59 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!psuvax1!rutgers!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: HT prices & survey
Message-ID: <30500752@ux1.cso.uiuc.edu>
Date: 1 Oct 90 19:02:00 GMT
References: <18230039@hpfcdj.HP.COM>
Lines: 82
Nf-ID: #R:hpfcdj.HP.COM:18230039:ux1.cso.uiuc.edu:30500752:000:3847
Nf-From: ux1.cso.uiuc.edu!phil   Oct 1 14:02:00 1990
Posted: Mon Oct 1 20:02:00 1990

> >1. What is your favorite single-band (2M) HT and why?
>
> Icom IC2. Rugged and reasonably priced.

Agreed, but....

> >2. What features do you think are important in a 2M HT? (e.g., obviously DTMF,
> >   but what about # channels, sub-audible encode/decode, clock, etc.?)
>
> Thumbwheels to set the frequency (work in the dark, simple, rugged) and a
> PL encoder. The rest is fluff. If you must make phone calls, buy a cellular
> phone.

They may WORK in the dark, but so do LCD's. You just can't see either one. Fortunately the LCD rigs usually come with a builtin light. With the IC-2, you have to fumble for a light if you don't know what the current setting is. I have IC-3AT, IC-4AT, IC-2GAT, and IC-32AT so I know how they work.

> >3. What antenna's do you recommend for it and why?
>
> It comes with a duck. If you need more range, buy a mobile rig.

The AEA 1/2 wave (not a 5/8 wave) give very good extended range. The improvement over a duck is more than going from low to high power. Couple that with high power and you can approach what a mobile can do in those circumstances where a mobile rig isn't practical (such as pedestrian mobile). The mobile rig with a properly installed antenna certainly will do much better, but the half wave whip is a good idea. Larsen also makes them.

> >4. What batteries do you recommend for it and why?
>
> The biggest available. In the case of the IC2 thats a BP8. You need the
> extra mass when you use the radio to club a mugger.

There are bigger available. They last longer (1200mah), are an inch longer, and have more mass. I have 4 of them. I've never tried them on muggers yet. The 1200mah gives me 2 days of continous receive-only operation WITHOUT the power saver. If you have the power saver ON, and turn the radio off when you know you are not listening, they could last a week or more for no transmit activity. The 800mah BP-8's, however, might well give you all the capacity you need. If I was going to do it all over again, I might well go with the BP-8's instead. I cycle each pack through one day of service, one day of full slow discharge, and two days of slow charging.

> >5. Are there any other accessories you recommend?
>
> A rapid charger and spare batteries are musts.

If you have enough spare batteries, you won't need a rapid charger. I don't even own one.

The alkaline packs are really a good idea since you can plop in some alkalines bought just about anywhere. I'd recommend the 8 cell variety if you get the newer radios that can handle 12 volts. Icom makes 6 and 10 cell versions. Most alkaline cells are sold in packs of 2, 4, and 8. Never mix alkalines of difference level of usage.

> >6. Is there any dealer you would recommend or not recommend?
>
> Go with the one that has it in stock at the lowest price. Dealer service
> is mostly a joke anyway. Icom America has good factory service centers.

Also consider a more local dealer if they meet your needs. You can get faster shipment at cheaper rates that way, as well as it being pratical to go "drop in" on them in person if you need to. I live in Urbana IL and usually buy from AES in Milwaukee, Ham Station in Evansville IN, Universal in Columbus OH, or R&L in HAMilton OH (R&L's emphasis).
I usually see second day delivery from regular UPS shipments, except

from AES I typically get next day from regular UPS shipments.

> Naturally my requirements may differ from yours.

Of course, everyone's requirements and needs are all different. The best thing to do is think carefully about what yours are. If you still don't figure out what is the best to buy or do, posting the specific needs might get some better suggestions.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 2961712454468560898
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16cad57d6fd36514
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-02 09:16:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!sun-barr!newstop!west!L1-A.West.Sun.COM!flloyd
From: flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242)
Newsgroups: rec.ham-radio
Subject: Re: Ethernet coax as feeder?
Message-ID: <1069@west.West.Sun.COM>
Date: 1 Oct 90 23:31:18 GMT
References: <28.Sep.90.15:56:24.BST.#1144@UK.AC.NWL.IA> <254@bongo.UUCP>
Sender: news@west.West.Sun.COM
Organization: Sun Microsystems, Mt. View, Ca.
Lines: 22
Posted: Tue Oct 2 00:31:18 1990

("Pete Lucas, NCS-TLC, Holbrook House, Swindon") writes:
>> Hi; Anyone know if Thickwire Ethernet coax is any good as antenna feeder?
>> Better or worse (or the same?) as CATV hardline??
>>
>
I've been using some orange ethernet wire (Mowhawk 5713) and it appears to be better built than any RG/8 that I've seen. It's double braid shielded with two layers of foil and some type of foam dielectric (teflon?) with a solid #12 center conductor. I've been getting great results on HF but have not yet tried it with VHF or higher. I've run about 70 feet of it outside, sheathed in an old garden hose and buried in the gravel out to a Butternut vertical. I'm still looking for a Mowhawk catalog for the specs to be sure.

73's,

-fred AA7BQ

```
--
| Fred Lloyd  AA7BQ                            flloyd@West.sun.com |
| Sun Microsystems, Inc.                              ...sun!flloyd |
| Phoenix, AZ                                                       |
From -7982802581035449213
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc85c52229472b22
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,fc85c52229472b22
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-10-02 09:21:38 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!snorkelwacker!apple!
julius.cs.uiuc.edu!zaphod.mps.ohio-state.edu!math.lsa.umich.edu!rphroy!trux!
ramecs!car
From: car@ramecs.UUCP (Chris Rende)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Medical aid frequencies?
Message-ID: <259@ramecs.UUCP>
Date: 1 Oct 90 18:36:54 GMT
Organization: Larry L. Roy,Rochester MI,USA
Lines: 20
Xref: gmdzi rec.radio.shortwave:2280 rec.ham-radio:15312
Posted: Mon Oct  1 19:36:54 1990
```

I just saw one of those TV comercials for a device that "old folks" can carry with them that has a panic button on it.

When the button is pressed, it somehow gets a message to the local ambulance.

How do these things work?

My guess would be that the device is a low power 300Mhz transmitter
(like wireless burgular alarms or newer car alarm control boxes).
A receiver would then be connected to a telephone auto-calling device
which phones the ambulance and plays a pre-recorded message asking for
help.

```
car.
--
Christopher A. Rende           Central Cartage (Nixdorf/Pyramid/SysV/BSD4.3)
uunet!edsews!rphroy!trux!car   Multics,DTSS,Unix,Shortwave,Scanners,StarTrek
 trux!car@uunet.uu.net         Minix,PC/XT,Mac+,TRS-80 Model I: Buy Sell Trade
       "I don't ever remember forgetting anything." - Chris Rende
```

```
From 3761709377270194924
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b99401cc69d48ba4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-02 10:53:37 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!DICKINSN.BITNET!GRAY_S
From: GRAY_S@DICKINSN.BITNET ("Gray, Steven")
Newsgroups: rec.ham-radio
Subject: Gear for Sale/Swap
```

Message-ID: <9010021755.AA09292@ucsd.edu>
Date: 2 Oct 90 17:53:37 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25
Posted: Tue Oct 2 18:53:37 1990

Greetings to everyone on the net. I have the following gear for sale (or swap)...please drop me E-Mail at GRAY_S@DICKINSN.BITNET or call me at (717) 258-5477 if you have any questions/comments/wanna deal.

Drake T-4XC (sn 27721), R-4C (sn 25595), AC4 (32792). They are in perfect condition, recently back from a complete factory overhaul. I have put them on the air only long enough to ensure that they are in 100% top notch condition; everything works great and the TX4C puts out 150 watts without effort. The only options that I have for the Drakes are extra 10 meter crystals, but the price includes Drake boxes, manuals, *and* Drake invoices from the work done this summer. The price on the Drake C-Line is $450, -or- I am interested in making a swap for an HF transceiver in equally excellent condition.

MFJ-949D Versa Tuner II (with PEP metering). Mint condition - price: $115

MFJ-931 RF Ground. In mint condition as well - price: $45

Cushcraft AR-2 FM Ringo. Never outside - price $20.

Cushcraft ARX-2B Ringo Ranger II. Excellent condition - price $30.

73,
Steve Gray
nr3b

From 8523568541576879708
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,52fffe7622120af8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-02 10:56:19 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!newstop!jaytee!hienergy!jimv
From: jimv@hienergy.East.Sun.COM (Jim Vienneau - Sun Microsystems)
Newsgroups: rec.ham-radio
Subject: Re: Yaesu HT470 intermod on ext ant?
Message-ID: <2796@jaytee.East.Sun.COM>
Date: 2 Oct 90 17:56:19 GMT
References: <508@public.BTR.COM> <1380@ke4zv.UUCP>
Sender: news@jaytee.East.Sun.COM
Reply-To: jimv@east.sun.com (Jim Vienneau - Sun Microsystems)
Organization: Sun Microsystems, Billerica MA
Lines: 22
Posted: Tue Oct 2 18:56:19 1990

In article <508@public.BTR.COM> rah@public.BTR.COM (Richard A Hyde rah@btr.com)
writes:
>Hello fellow netlanders,
>
>As a new ham, I (and my wallet) are looking at HTs to purchase. The decision
>seems to be coming down to a choice between the Yaesu HT-470 and the ICOM
>24AT. I was just about to decide on the Yeasu (lower price, >= features)
>when this salesman ambles up. His claim was that the Yeasu is a fine ham-
>bands only machine, but that if I ever wanted it to do anyting else I would
>be disappointed.. i.e using it with a rooftop antenna for more range or
>packet would be almost impossible because of intermod - the squelch would
>never drop so I could never transmit.

I use my Yaesu FT-470 connected to a Ringo Ranger II through an amp/preamp
and have no problems using it on packet. I think the salesman wanted to
sell you something else (personal favorite, larger markup?). I do get
some intermod once in a while, but no more than I did with the ICOM IC-32AT
I had before. The 470 is a good little radio for the money IMHO.

Jim Vienneau, Sun Microsystems Inc - Billerica, MA
Email: jvienneau@east.sun.com   Amateur Radio: WB1B
Good old Ma Bell (well old anyway): (508)671-0372

From -3100964909159331162
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3fa0ec7ebb583dc4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-02 11:10:17 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!hplabs!hpcc05!col!bdale
From: bdale@col.hp.com (Bdale Garbee)
Newsgroups: rec.ham-radio
Subject: Re: No-code HF license in Japan
Message-ID: <27080014@col.hp.com>
Date: 1 Oct 90 19:38:04 GMT
References: <1990Aug31.211434.3678@mentor.com>
Organization: HP Colorado Springs Division
Lines: 29
Posted: Mon Oct 1 20:38:04 1990

I don't normally read rec.ham-radio, just rec.ham-radio.packet... but a friend
pointed me here since my name was mentioned...

>> He said the most popular license in Japan is what he called
>> "Novice Radiotelephone", which has no code requirement, but a significant
>> theory exam
>
>   He was right. I have mentioned this before on this forum. The
>Japanese have a no-code HF licence. The power is limited and this is
>the key.

Yup. It's interesting to note that the Japanese attitude seems to be "see how
we can do something good without completely breaking the rules", instead of

"oh, but someone might construe that as wrong so we better not do it"... not a bad comment on the two cultures, in general... ?

>   Bdale who I am told speaks Japanese and has visited those Islands
>could possibly enlighten us further.

Actually, I don't speak very much Japanese... just enough to get in deep trouble trying to order dinner! But, I've been to Japan twice, both very pleasant and informative trips, and I continue to talk to my Japanese friends via email quite regularly... it was fascinating on my last trip to see how many young (college age or so) people were *active* in ham radio, and to see how many unexplored corners of packet were being investigated...

Wish we had that level of interest and enthusiasm in this country... [sigh].

Bdale, N3EUA

From 7877662495263465603
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc84d9b555269144,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-02 12:28:23 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!psuvax1!rutgers!att!cbnewsd!jmseb
From: jmseb@cbnewsd.att.com (john.m.sebeson)
Newsgroups: rec.ham-radio
Subject: Cushcraft R5 Vertical
Keywords: Review and comments
Message-ID: <1990Oct2.192823.19132@cbnewsd.att.com>
Date: 2 Oct 90 19:28:23 GMT
Organization: AT&T Bell Laboratories
Lines: 103
Posted: Tue Oct 2 20:28:23 1990

I recently purchased a Cushcraft R5 vertical. Since there has been interest from time to time about limited space antennas and the R5 in particular, I thought I would share my experience with the R5 so far.

Why did I buy the R5? I live in your typical suburban subdivision where the houses are relatively close together and the lots are small. While towers and beams are not expressly forbidden, I have never seriously considered putting up much steel and aluminum. My operating is casual and my favorite activity is DX chasing. I can almost hear the peals of laughter throughout the net: "that poor fool, ya just *can't* work DX with a vertical!!" Well, read on.

First, I have been chasing DX for several years and I have *always* used a vertical. My DXCC total (worked) stands at 210. I know it would be considerably higher if I spent more time on the air and I followed the DX bulletins religiously. But I am not a fanatic about it. The point is, my station can do the job.

My previous antennas were a Hustler 4BTV (40/20/15/10 quarter wave vertical) at my previous QTH, and a Cushcraft R3 (20/15/10 m half wave) at my present QTH. The 4BTV was mounted on the chimney of my two story house and had resonant radials arrayed around the roof. It worked fine. At my new QTH the roof geometry did not allow the radials, so I went with the R3 (this was 1985) which does not require radials (nor does the R5).

The R3 was also mounted on the chimney and was about 30 feet above the ground. I had several problems with the R3, however. The R3 had a base mounted motor driven tuning capacitor which was controlled from the shack. Once in the middle of winter the control cable opened up. So much for operating (except on one frequency) 'til spring. Then recently, some sort of intermittent problem occured. I suspected the coax and connectors but replacing them did not fix it. I suspect now it is a flaky trap. When it worked, however, the R3 did a good job. I could generally work anything I could hear. A pile-up sometimes needed the KW afterburner, but usually I stuck with 100w out.

So...needing a relacement for the R3 and being generally satisfied with its performance, I popped for a new R5 (about $270).

The R5 is a 20/17/15/12/10 meter half-wave vertical, adding two more bands over the older R3. It uses factory tuned trap sections to resonant the antenna on the different bands. Because of the inductance of the traps the overall length (height) of the R5 is somewhat less than the R3. The most significant difference, however, is that the R5 uses a broadband passive impedance matching system which eliminates the motor driven tuning capacitor. No more worries about control cables. To make this work, however, the R5 needs four 48 inch stainless steel radials at the base and a capacitance "hat" just below the first trap. So instead of a staight "stick," the R5 has these things sticking out, which can complicate getting it to its final mounting place (the chimney on the roof in my case). More on this below.

The assembly is easy and quick, aided by an excellent set of instructions. I first put it together on my deck and propped it up for tests. Surrounded by trees and 12 feet from the aluminum siding of the house, the SWR on the various bands did not look like the curves given in the instructions. But I didn't expect it to be so. High and clear is the rule for this type of vertical. Even from the deck, several 20m European and USSR contacts were easy with 100 watts (my QTH is near Chicago).

The next day was time to put it "high and clear" on the roof. To do this I took off the base radials and the capacitance hat and broke the antenna into two sections. The antenna is very light (8 lbs), but it is too easy to damage the radials and hat in the process of carrying it up to the roof. I reassembled everything up there and clamped it to the chimney mount. The coax connection was thoroughly sealed with "Coax Seal." I did not use and do not recommend the connector boot and silicone grease supplied with the antenna.

Back in the shack the SWR looked very similar, though not identical, to the "typical" curves in the instructions. But even so, the R5 appears to live up to its advertising as being less than 2:1 over most of its five band range. Excellent! In my favorite sections of the bands, it is 1.5:1 or less.

So, does it work DX? You bet. With only 100 watts, I was again able to work anything I could hear, and I could tell the others on the bands were not hearing anything I couldn't! Over two evenings I worked 20m Europe, USSR, and Middle East stations. One nice surprise was having a 4S7 come back to my first call one morning via long path while other North American stations called in vain (had their beams pointed the wrong way I suspect). No KW needed so far.

Overall, the R5 seems to be an excellent antenna and well-engineered. It fits my needs, operating style, and environment very well. It is not cheap, but for me the value is there.

Needless to say (I hope), I am not connected in any way with Cushcraft. These opinions are mine alone.

```
******************************
******   John Sebeson   ******
******      KB8RY       ******
******  Naperville, IL  ******
******************************
```

P.S. If anyone is interested in a five year old R3 with a possible flaky trap, its yours cheap (shipping charges only). Send me email.

From -6230251246168366389
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb108b67bb5a46d6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-02 13:35:42 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucselx!crash!skipsand
From: skipsand@crash.cts.com (Skip Sanders)
Newsgroups: rec.ham-radio
Subject: Re: Auto Alarm Remotes
Message-ID: <4760@crash.cts.com>
Date: 2 Oct 90 03:23:22 GMT
References: <34407@cup.portal.com>
Organization: Crash TimeSharing, El Cajon, CA
Lines: 4
Posted: Tue Oct 2 04:23:22 1990

Generally, the little remote controls (and the big ones for garage doors also) are around 318 MHz with a VERY weak digital "bleep" or "buzz". The

one I had was on 318 (rather wide signals) and could be heard on an
appropriate scanner RIGHT BY the unit when activated.

From -2355502224823431323
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16cad57d6fd36514
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-02 13:57:42 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!sun-barr!newstop!west!L1-A.West.Sun.COM!flloyd
From: flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242)
Newsgroups: rec.ham-radio
Subject: Re: Ethernet coax as feeder?
Summary: Correction - Montrose Wire
Message-ID: <1073@west.West.Sun.COM>
Date: 2 Oct 90 20:57:42 GMT
References: <28.Sep.90.15:56:24.BST.#1144@UK.AC.NWL.IA> <254@bongo.UUCP> <1069@west.West.Sun.COM>
Sender: news@west.West.Sun.COM
Organization: Sun Microsystems, Mt. View, Ca.
Lines: 20
Posted: Tue Oct 2 21:57:42 1990

>I've been using some orange ethernet wire (Mowhawk 5713) and it appears
>to be better built than any RG/8 that I've seen. It's double braid
>shielded with two layers of foil and some type of foam dielectric
>(teflon?) with a solid #12 center conductor. I've been getting great
>results on HF but have not yet tried it with VHF or higher. I've
>run about 70 feet of it outside, sheathed in an old garden hose and
>buried in the gravel out to a Butternut vertical. I'm still looking
>for a Mowhawk catalog for the specs to be sure.

Correction, that's Montrose, not Mowhawk. I'm still looking for
a catalog entry however :-)

-fred

```
--
| Fred Lloyd  AA7BQ                            flloyd@West.sun.com |
| Sun Microsystems, Inc.                              ...sun!flloyd |
| Phoenix, AZ                                                       |
```

From -2563173122437684044
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8924141da8b9b38a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-02 15:20:38 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!ncar!mephisto!eedsp!lagrange!tucker

From: tucker@lagrange.eedsp.gatech.edu (Jeff Tucker)
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was Re:
Message-ID: <1184@eedsp.eedsp.gatech.edu>
Date: 2 Oct 90 02:30:07 GMT
References: <60255@iuvax.cs.indiana.edu> <30500750@ux1.cso.uiuc.edu>
Sender: news@eedsp.eedsp.gatech.edu
Reply-To: tucker@lagrange.eedsp.gatech.edu (Jeff Tucker)
Organization: Georgia Institute of Technology
Lines: 22
Posted: Tue Oct 2 03:30:07 1990

Oh, I'm getting so tired of hearing people tell me why I shouldn't use my radio to call the police.

I care more about saving a life, any life, than this whole hobby!
Yes, that's right. Lives mean more to me than HF, OSCAR, and RTTY DX combined. Those of you who can't understand that need read no more.

Now, if Bob's Quick Mart is across the street, I'll go there. But if noones around, I'm calling. I'll bet it's illegal to cross the interstate. Is that going to stop you from helping someone? It's probably illegal to flag down a car with a cell phone. Is that going to stop you? I guess all you people really concerned about this will just drive on past, maybe even stop if you can find a legal parking spot, or go home and call 911 from there. Thanks.
In the meantime, I will have stopped and if noones on 2m or around me, I'll already have contacted the police my own way. 'Nuff said.

Jeff Tucker   N9HZQ
tucker@eedsp.gatech.edu   Graduate Student, Electrical Engineering
                                   Georgia Institute of Technology

From 955111010711524180
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20a4d1bb74ec0ee5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-02 17:41:03 PST
Path: gmdzi!unido!mcsun!uunet!midway!ux1.cso.uiuc.edu!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Walker Tompkins' callsigns
Message-ID: <189.2707D263@w8grt.fidonet.org>
Date: 2 Oct 90 04:14:59 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 25
Posted: Tue Oct 2 05:14:59 1990

```
 > From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
 > Date: 29 Sep 90 01:36:31 GMT
 > Organization: EE-Systems, USC, Los Angeles
 > Message-ID: <27320@usc.edu>
 > Newsgroups: rec.ham-radio
 >
 > In article <9009270406.AA16704@ucsd.edu>
 > jmaynard@THESIS1.HSCH.UTEXAS.EDU (Jay Maynard) writes:
 > >call WV7XNN...the WV7 prefix would be kosher, but the XNN suffix is a no-
 > no.
 >
 > What is wrong with the XNN suffix?
```

Back then, X? and X?? suffixes were reserved for assignment to experimental licenses.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

```
From 3208611888735289340
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-02 17:52:57 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!lynx.northeastern.edu!sehrlich
From: sehrlich@lynx.northeastern.edu
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <memo.468039@lynx.northeastern.edu>
Date: 3 Oct 90 00:52:57 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Wed Oct  3 01:52:57 1990
```

I have a few questions. Any answers?

1) Does anyone know what the deal is with the STS-35 shuttle mission?
I'd like to get involved with the SAREX mission from the Amateur Radio
Club at my school (Northeastern University, Boston, Mass.)

2) I finally passed my Novice and Technician exams! (Four days apart from
each other). Does anyone know what the call signs being given in ITU
region 1 are at the Extra level? If I am able to go for my Extra by the
end of this year, or early next year, will I receive a 2x1/1x2 or 2x2 call?

3) Does anyone know HOW radio amateurs became known as 'Hams'? Is there
a rational reason for the term?

Thank you very much in advance for any answers you can supply.

If you reply privately, please send e-mail to: Sehrlich@lynx.northeastern.edu

Scott
*1*** <- Coming SOON!!!

From 4116519304325840403
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c5c11d0f7dc448e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-02 19:30:32 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!swrinde!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: HT prices & survey
Summary: Good Dealers
Message-ID: <1384@ke4zv.UUCP>
Date: 2 Oct 90 13:00:23 GMT
References: <18230039@hpfcdj.HP.COM> <30500752@ux1.cso.uiuc.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 9
Posted: Tue Oct 2 14:00:23 1990

In article <30500752@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>to go "drop in" on them in person if you need to. I live in Urbana IL
>and usually buy from AES in Milwaukee, Ham Station in Evansville IN,

I've done a lot of business with both of these companies and can highly
recommend them both. Dan at the Ham Station has been unfailingly
helpful to me over the years and I'm a hard person to please.

Gary KE4ZV

From -4986794107242523246
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16cad57d6fd36514
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-02 21:38:36 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!uwm.edu!ogicse!intelhf!foobar!jim
From: jim@foobar.hf.intel.com (Jim Garver)
Newsgroups: rec.ham-radio
Subject: Re: Ethernet coax as feeder?
Summary: I use it
Message-ID: <436@foobar.hf.intel.com>

Date: 2 Oct 90 15:52:25 GMT
References: <28.Sep.90.15:56:24.BST.#1144@UK.AC.NWL.IA>
Sender: news@foobar.hf.intel.com
Reply-To: jim@foobar.UUCP (WA7LDV)
Organization: - Intel Corp - Hawthorne Farms - Hillsboro, OR -
Lines: 24
Posted: Tue Oct 2 16:52:25 1990

In article <28.Sep.90.15:56:24.BST.#1144@UK.AC.NWL.IA> PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon") writes:
>Hi; Anyone know if Thickwire Ethernet coax is any good as antenna feeder?
>Better or worse (or the same?) as CATV hardline??
>
> Pete Lucas   G6WBJX@GB7SDN.GBR.EU   PJML@UK.AC.NWL.IA 0793-411613

I use it. I can't really say I see any difference between it and RG-213.
Figures I have extrapolated from the Belden book indicate its about 1/2 db
better than RG-8. It certainly has better shielding but have fun putting
on connectors. I use a razor blade to get the inner foil off the Teflon.
No, its not near as good as CATV hardline, but have lots of fun putting
connectors on that, too. I have an article at home about building 1/4 wave
matching sections from copper tubing to convert 75 ohm CATV stuff to 50 ohms.
Its probably not worth it considering the 1.5/1 SWR match anyway. Ham Radio
magazine? I'll look it up for the interested. A concern about electrolysis
between the copper and aluminum kinda bothers me.
Of course the line loss is only worth considering at VHF freq. and above
for practical purposes.
Oh yes, Ethernet double shielded coax is 50 ohms (and stiff).

--
Jim Garver   Intel Corp.   <tektronix!psueea | uunet!littlei>!foobar!jim
 WA7LDV   Hillsboro, Oregon   jim@foobar<.hf.intel.com|.uucp>

From -1273513618280935062
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2aa993d185e714c3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-10-02 23:31:46 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!mikemr
From: mikemr@microsoft.UUCP (Michael MRAZ)
Newsgroups: rec.ham-radio
Subject: Collins S-line
Message-ID: <57915@microsoft.UUCP>
Date: 2 Oct 90 22:36:31 GMT
Organization: Microsoft Corp., Redmond WA
Lines: 5
Posted: Tue Oct 2 23:36:31 1990

Sometime in the near future,
I want to "upgrade" ;-> to a Collins S-line station.
Does anybody know which models are the most desirable,

and which ones to stay away from?
73   N6MZ

From -3527115744876965330
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc0ca7ece55e3a9a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,cc0ca7ece55e3a9a,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-09-26 06:51:57 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!mephisto!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: COSMAC 1802 help needed
Keywords: Oscar Cosmac 1802 satellite
Message-ID: <781@idacrd.UUCP>
Date: 25 Sep 90 19:30:51 GMT
Organization: idacrd, princeton, nj
Lines: 19
Xref: gmdzi rec.ham-radio:15137 rec.ham-radio.packet:2831
Posted: Tue Sep 25 20:30:51 1990

Howdy:

I had such great luck recently with the help needed message for the RTX-2000 that I thought I would try again. I need a couple of COSMAC 1802's. I could also use whatever manuals you may have such as programmers and user reference manuals. The indigenous system I have for it is a variant of FORTH (called IPS by its designer, DJ4ZC). This chip was originally done by RCA. If you have some laying around and have development tools you aren't using, let me know. The COSMAC 1802 is in the integrated housekeeping unit (IHU or OBC = on board computer) in Oscar 10 and Oscar 13 and planned for Phase III D.

Bob N4HY
--
```
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From -1046593019548585829
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a9d5969bdb892e09,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-26 07:04:52 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!hellgate.utah.edu!cc.utah.edu!inel.gov!gibbon!sxb
From: sxb@gibbon.inel.gov (Steve Bryan)

Newsgroups: rec.ham-radio
Subject: AS4C for real?
Keywords: AS4C,DX
Message-ID: <1990Sep26.140452.9485@inel.gov>
Date: 26 Sep 90 14:04:52 GMT
Sender: news@inel.gov
Organization: Idaho National Engineering Laboratory, Idaho Falls, Idaho
Lines: 28
Posted: Wed Sep 26 15:04:52 1990

Last night (9/26/90 0230 UTC) on about 14.026 I worked AS4C through a sizeable pile-up. His signal was so strong that I have some doubts that he was for real. He was 10Db over S9 at times. Does anyone know if AS4C is real, and if so a QSL route? BTW, please excuse the long disclaimer, our lawyers got carried away :-).

Thanks,
Steve

```
 ____________________________________________________________________________
|Steven R. Bryan, Idaho National Engineering Lab.  INTERNET: sxb@INEL.GOV    |
|N7MPY            POB 1625 M.S. 1206               Phone: (208) 526-0338     |
|________________Idaho_Falls,_Id._83415___________FAX:___(208)_526-1419_____|
```

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From -5050127994504554803
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-26 08:06:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!
ucbvax!UCSD.EDU!dube%cpdvax
From: dube%cpdvax@UCSD.EDU
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9009260726.AA15538@ti.com>
Date: 25 Sep 90 22:31:20 GMT
Sender: usenet@ucbvax.BERKELEY.EDU

Organization: The Internet
Lines: 9
Posted: Tue Sep 25 23:31:20 1990

From: dube@cpdvax.csc.ti.com
To: infohams@cpdvax.csc.ti.com
Cc: DUBE@cpdvax.csc.ti.com
Subject: Cricket

I'm listening to a cricket-like signal that occurs about once each 30 seconds on 21.148 mHz. Anyone know what it might be?

73   Dube   N5PDK

From 3195227804839959955
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d64c406366f7b0e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-26 08:07:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Cleaning old capacitor gears
Message-ID: <9009260003.AA24143@tilde>
Date: 26 Sep 90 00:03:51 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11
Posted: Wed Sep 26 01:03:51 1990

Gary Bishop asked about cleaning old capacitor gears. Well, you could use gasoline. just immerse the gearing in a small amount of gas in a coffee can or other container. This isn't the safest way, but used outside and away from sparks and flames it should be ok. A better way is to go down to your nearest auto parts place and ask for a liquid de-greaser. Do the immersion and soaking bit according to instructions on the can.

I would use any light-duty grease. The same auto parts house can probably recommend a light lubricant.

73   Dube   N5PDK

From 7607738293017855217
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2862ba03294dc91c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-26 09:02:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!csc.ti.com!ti-csl!tilde.csc.ti.com!osage!hoenig
From: hoenig@osage.csc.ti.com (Mike Hoenig)

Newsgroups: rec.ham-radio
Subject: Re: Radio Propagation and Nuclear Winter ?
Message-ID: <1990Sep26.160201.18328@csc.ti.com>
Date: 26 Sep 90 16:02:01 GMT
References: <9009181856.AA27614@ucsd.edu> <7880294@hpfcdc.HP.COM>
Sender: usenet@csc.ti.com (USENET News System)
Organization: TI Computer Science Center, Dallas
Lines: 28
Posted: Wed Sep 26 17:02:01 1990

In article <7880294@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>Anybody care to venture a guess what transmission mode will be most
>successful just after the initial EMP ? No... It couldn't be ... HF
>CW ? Gak. That's even scarier than The Bomb itself.
 ^^
 I think I've heard this case before....
>
>It certainly wouldn't be packet, because all the digipeaters on those
>high hilltops will have had the smoke let out of them. Ditto for VHF
>NBFM repeaters.

Now I remember where I heard this case previously...

I was flamed for bringing it to the fore...something about the
ITU (or whomever...) in their infinite wisdom, foreseeing (in the '20s)
nuclear warfare. You'd better get your Nomex suit on, quickly...some
of the folks here don't believe in the hobby being fun for everyone,
only for themselves and those who narrow-mindedly think they are the
"true believers".
>
>Perry Scott
>KF0CA

As always, flames => /dev/nul/wherever.you.care.to.put.it

Mike
N5LTL
Look me up...I'm in the book

From -2274975401943218401
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a06d43f320b2c4a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-26 09:46:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!
cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: Did you read this book?
Message-ID: <8541@helios.TAMU.EDU>
Date: 26 Sep 90 12:18:13 GMT
References: <480@wybbs.mi.org> <4630016@hpspkla.spk.hp.com>

Sender: usenet@helios.TAMU.EDU
Reply-To: bill@platypus.uofs.edu
Organization: Computer Science Department, Texas A&M University
Lines: 37
Posted: Wed Sep 26 13:18:13 1990

In article <4630016@hpspkla.spk.hp.com> dubner@hpspkla.spk.hp.com (Joe Dubner) writes:
>ken@wybbs.mi.org writes:
>
>> Way back when I was in grade school, I read a book that was published in the
>> 40s or 50s. It was similar to the original Tom Swift style stories, but it
>> was not a pulp serial.
>
>[stuff deleted]
>
>> Does anyone remember this book and what the title was?
>
>Oh, that sounds like "SOS at Midnight", by Walter A. Tompkins (ham call
>K6ATX), if memory serves. I remember reading it in the early sixties
>when I was in junior high school.
>

As long as we are reminiscing about old stories involving hams, does anyone remember a Comic book called Treasure Chest that was distributed by subscription thru elementary schools?? It may have been limited to parochial schools, not having attended public schools, I can't say if they got it too.

One of the stories was called "Chuck White". Chuck being the hero of the story was a guy who took time to help out the various kids in the stories. He was also a ham. One of the plots back in the mid 60s involved a bunch of the kids trapped at a ski lodge by a blizzard and the young hero (whose name I forget) uses what he learned from ham Chuck White to take a car radio (tube type, this is the 60s) and the batteries out of the cars and builds a transmitter out of it. (Yes, it was CW, but then it was the 60s.)
All in all, it was a great story. Unfortunately, I don't know of anyone who decided to become a ham after reading it.

So, are there any other OF's out there who remember it??

bill   KB3YV
bill@platypus.uofs.edu

From -4952290161178355926
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c08e0ce452efb3a2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-26 12:42:10 PST
Path: gmdzi!unido!mcsun!uunet!know!cs.utexas.edu!usc!ucsd!network.ucsd.edu!celit!silogic!markd

From: markd@silogic.UUCP (Mark DiVecchio)
Newsgroups: rec.ham-radio
Subject: Re: Making capacitors
Message-ID: <258@silogic.UUCP>
Date: 26 Sep 90 15:35:57 GMT
References: <9009241951.AA07406@ucsd.edu>
Reply-To: markd@silogic.UUCP (Mark DiVecchio)
Organization: Silogic Systems, San Diego, CA
Lines: 25
Posted: Wed Sep 26 16:35:57 1990

In article <9009241951.AA07406@ucsd.edu> MEDELMA@CMS.CC.WAYNE.EDU (Mike Edelman) writes:
>Anyone out there ever built their own capacitors? I need a few
>ufd (maybe 2-10?) at 10-20Kv, with low impeadance.
.
>
>I also need a good, fast high-v switch, something easily obtainable that
>won't require a license (:)).
.

Just yesterday, I attended a talk by Jerry Kowolsky, the president of
CSI Technologies. They make high voltage capacitors.

Even though, I'm an EE, I never understood the difficulties of making
high voltage caps. Apparently it is quite an art. He indicated that
only about 5 companies in the world can produce 'good' ones.

His company got a letter like yours from Iraq about 2 years ago. The
rest is history.

```
--
Mark DiVecchio, Silogic Systems, 619-549-9841                       K3FWT
-----   9888 Carroll Center Road, Suite 113, San Diego, CA 92126    -----
markd@silogic                                   BBS 619-549-3927
...!ucsd!celerity!celit!silogic!markd     celerity!silogic!markd@ucsd.edu
```

From 5211895180905277385
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,8bc313164c646283,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,8bc313164c646283,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-26 12:45:12 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!voder!wlbr!awds1.imsd.contel.com!jm
From: jm@wlbr.imsd.contel.com (Jim Macropol)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: CW decoder wanted
Keywords: CW decoder
Message-ID: <58625@wlbr.IMSD.CONTEL.COM>

Date: 26 Sep 90 16:30:42 GMT
Sender: news@wlbr.IMSD.CONTEL.COM
Reply-To: jm@imsd.contel.com (Jim Macropol)
Followup-To: rec.ham-radio
Organization: Contel FSD, Westlake Village, CA
Lines: 13
Xref: gmdzi rec.ham-radio:15143 rec.radio.shortwave:2215
Posted: Wed Sep 26 17:30:42 1990

I am looking for a CW decoder box that feeds into an
RS-232 serial line. I know that there are several
plug-in boards for PCs out there, but that is not a
viable option at this point.

I would prefer one that translates to ASCII, but I will
look at anything that doesn't require my CPU to poll a
line for transitions.

Has anyone a line on such a beast? Thanks.

Jim Macropol (818)706-5202
Contel Federal Systems jm@imsd.contel.com wlbr!jm

From 7250149482017046500
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6e00e2f85ee1aedb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-26 14:01:58 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: De-greasing capacitor gears
Message-ID: <60393@iuvax.cs.indiana.edu>
Date: 26 Sep 90 15:31:58 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 22
Posted: Wed Sep 26 16:31:58 1990

>How to degrease capacitor gears?

Use a vapor degreaser if one is available.

Gunk (tm) is an amazingly effective grease-dissolving substance
available in aerosol cans in K-Mart automotive departments. STP (tm)
makes a similar product. Spray it on, then wash it off with water (!).

Caution: Don't let Gunk get on electrical components. I used it on a
car engine, and it penetrated and shorted the oil-pressure switch.

>What is good for relubricating the mechanisms?

I've used white silicone grease available at dive shops; it's intended

```
for lubricating O-rings in underwater equipment.  It doesn't dry out
like whatever they used to lubricate capacitor gears in World War II.

--

Frank     W9MKV     reid@ucs.indiana.edu

   "Get Gunk, dahling, or else!"   -- Natasha Fatale


From 8635287301031686868
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1ba945fa99b861e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-26 15:17:02 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Why is aviation radio AM?
Message-ID: <1360@ke4zv.UUCP>
Date: 26 Sep 90 10:22:07 GMT
References: <44784@apple.Apple.COM> <1614@ntmtv.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 24
Posted: Wed Sep 26 11:22:07 1990

In article <1614@ntmtv.UUCP> adrian@ntmtv.UUCP (Adrian Brandt) writes:
>From article <44784@apple.Apple.COM>, by chuq@Apple.COM (The Wandering Phew):
>>>>My guess is that (1) converting to FM would be super expensive for airlines
>
>> Actually, it's simpler than that. Safety. If you have two AM radios on
>> the same frequency, they'll garble each other. FM is more likely to
>
>Are you sure this is the reason?  Why then don't all critical transmissions
>take place on AM?  I scan local police regularly.  When they have broadcasting
>collisions they are always quite noticeable and they're using FM...

I've been told that the RDF equipment used by the FAA requires a steady
carrier such as provided by AM. While I'm sure that SSB would be more
difficult to DF, it would seem that an FM "dead" carrier would suffice.
I believe that the primary issues are that AM was first and the benefit
of changing over to FM is less than the cost of the changeover would
be to worldwide general aviation. There are still a lot of DC3s and even
a few Ford Trimotors in service worldwide, not to mention the thousands
of general aviation light planes and backwoods airports that would be
forced to convert from a service that works to a service that might
work a little better. Plus there is a strong feeling of "if it's not
broke, don't fix it".

Gary KE4ZV
```

From -4726565119089045284
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,48ccbea579ac36ff
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-26 15:17:25 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Mods to MFJ 1270
Message-ID: <1364@ke4zv.UUCP>
Date: 26 Sep 90 13:11:09 GMT
References: <9009220019.AA10575@tincan.sawyer.af.mil>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 34
Posted: Wed Sep 26 14:11:09 1990

In article <9009220019.AA10575@tincan.sawyer.af.mil> scxc3@tincan.sawyer.af.mil (Michael A. Barnes) writes:
>
>Could you post or E-mail me information about the mods you did to MFJ-1270
>TNCs? I have had some problems with my 1274 (same thing with LED display) that
>your mods may fix or improve on.

I don't have my mods docs handy but here it is from memory. The first change is to replace the LM324 opamp that simulates RS232 with a TL084. The slewrate of the original part won't reliably work above 2400 baud. Cut the trace between the baudrate switch pin 1 and U1 pin 2, add a wire from the baudrate switch pin 1 and U1 pin 10. This turns the 300 baud switch position into a 19.2kb switch. This will allow a decent baudrate between the computer and the TNC.

Remove the MF10 filter chip and discard it. Remove the component header and discard it. Use a 1000pf capacitor to couple the audio directly to the PLL.

Install .1 uf tantalum bypasses on the solder side of the board directly from the Vcc pin of the 555 to ground and from the output rectifier to ground. This will despike the minus supply.

Increase the value of the PTT watchdog timer by paralleling the existing capacitor with another one of the same value. The current timeout is too short for maxframe 7 maxlen 255 transmissions.

We also goose the processor clock to 4.92 by changing jumper JMP2. On the MFJ you must cut the trace connecting pins 1 and 2 of JMP2 first. We replace the Z80 and SIO with B parts. We also upgrade the RAM speed and replace the ROM with a CMOS part.

Finally, install the TAPR DCD circuit board and you will have a really good TNC.

Gary KE4ZV

```
From 5584865004766255769
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2862ba03294dc91c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-26 16:01:00 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!ncar!virga.ucar.edu!elmore
From: elmore@virga.ucar.edu (kim elmore)
Newsgroups: rec.ham-radio
Subject: Re: Radio Propagation and Nuclear Winter ?
Message-ID: <8611@ncar.ucar.edu>
Date: 26 Sep 90 18:21:26 GMT
References: <9009181856.AA27614@ucsd.edu> <7880294@hpfcdc.HP.COM>
Sender: news@ncar.ucar.edu
Organization: Research Applications Program/NCAR, Boulder, CO
Lines: 55
Posted: Wed Sep 26 19:21:26 1990
```

Hmmm... If I remember right, there are data on HF propagation effects of nuclear atmospheric bursts. Back when us and everybody else detonated nuclear devices in the atmosphere, radio propagation anomalies were at least noted and probably studied. Although all the info I have is second hand, I understand that disruptions occurred with every detonation and lasted a few hours.

Aside from the environmental and moral implications of using nuclear weapons, they present the worst kind of ionospheric disturbance. Someone correct me if I'm wrong here, but there are two basic kinds of HF propagation disturbances: increased absorbtion and turbulent disruption (like convective mixing). Increased absorbtion comes about when the atmosphere is bombarded with lots of high energy X-rays that lead to heavy ionization of the E and D layers; it can even give rise to a C-layer, any significant absorbtion by a C-layer is rare. Nukes provide such radiation in abundance.

Turbulence basically disrupts the surface of the reflecting layers, much like throwing a stone into a pond disturbs reflections from the surface. In this case, short wavelengths aren't reflected well, as the ionosphere presents a very rough surface to those wavelengths. This kind of disturbance can occur if there is a rapid increase in UV flux from the Sun. In that case, the lower ionosphere is heated too quickly, causing convective overturning and siruption of the layered structure we all know about. Magnetic storms can cause the same thing due to large changes in the electric currents that flow in the ionosphere.

In the first case, long wavelengths are readily absorbed and so quickly attenuated. In the latter case, short wavelengths aren't reflected well while long wavelengths aren't as strongly affected. A nuclear device will cause both affects to occur simultaneously. During a magnetic storm (or a big UV flare) long wavelengths do well and communications move to lower frequencies. During X-ray flares, long wavelengths are affected, and communications move to higher frequencies. In the worst case (major storms) long wavelengths are useless due to absorbtion and short wavelengths are useless due to turbulence. The magnetic disturbances from a nuke are noted world-wide, while the radiation effects are localized. Thus a nuke will resemble a SID (sudden ionospheric disturbance) with some diabolical twists.

So, hypothetically, what bands come back first (assuming anyone is around to care) will depend on where I am in relation to the detonation. Far from the burst, it may well be that the low-bands are only marginally affected while close in there will be a total blackout. Depending on how long the low-altitude ionization lasts, it may be the limiting factor in communications. What I might notice is a narrow window of frequencies open up as the MUF slowly rises above the LUF.

It's all perfectly gruesome, but at least it may lend insight into how the ionosphere works.

Kim Elmore (N5OP)
****
Disclaimer: No, I don't really think I'd be around to test out the theory...
****

From -2839583943056937433
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a846005af4cd8224
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-26 16:04:00 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Code Tset Gimmick. Was: Ham Radio Liscence
Message-ID: <7880297@hpfcdc.HP.COM>
Date: 26 Sep 90 23:04:00 GMT
References: <a66130.1f72@quack.sac.ca.us>
Organization: HP Fort Collins, Co.
Lines: 13
Posted: Thu Sep 27 00:04:00 1990

> Using my "learn 8 letters and bulls__t" method, 5 out of 6 people...
> passed on their first try.

I wanna be a General. Almost bought the guidebook last Sunday but just in time I realized I'd have to up my code speed from 5WPM (OK, more like 2WPM, whatever it's atrophied down to) to 13WPM... and said "never mind". Sure I can learn it, but I don't wanna take the time and I won't use the ability. (I *would* be willing to study the General guidebook; that would be useful.)

So: Know any tricks for faking the 13WPM test? 1/2 :-)

Alan, N0MFW (a happy ham on 2m and 10m voice)

From 6084129099437237607
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f442bd7c71f7df94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-26 16:12:15 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: High-tension towers
Message-ID: <7880299@hpfcdc.HP.COM>
Date: 26 Sep 90 23:12:15 GMT
References: <85934@aerospace.AERO.ORG>
Organization: HP Fort Collins, Co.
Lines: 21
Posted: Thu Sep 27 00:12:15 1990

You don't say how high the lines are. The higher they are, the more voltage (and noise) they have. Some of the noise may be caused by leaky insulators - some direction-finding and a call to the power company will clear that up.

Another consideration is where the lines are with respect to your favorite DX. If you can put the power lines to the back of a beam, you might be surprised.

A dipole is a pretty cheap way to find out what the noise level really is. Just string one along the roof and check the noise level with a friend's modern transceiver, with the noise blanking on. You can orient a horizontal dipole parallel and perpendicular to the power lines to simulate what a beam antenna would be like.

I live next to a fairly busy street, and get ignition noise from passing cars, so I can commiserate with your situation. Good luck in your investigation, hope it works out.

Perry Scott
KF0CA

From -197151312448447575
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a846005af4cd8224
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-26 16:29:06 PST
Path: gmdzi!unido!mcsun!uunet!know!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Code Tset Gimmick. Was: Ham Radio Liscence
Message-ID: <7880300@hpfcdc.HP.COM>

Date: 26 Sep 90 23:29:06 GMT
References: <a66130.1f72@quack.sac.ca.us>
Organization: HP Fort Collins, Co.
Lines: 33
Posted: Thu Sep 27 00:29:06 1990

>Learn as many as you can: E, T, R, I, N, O, A, and S is a good start.
>Also learn the numbers pattern.
>
>After the tape is over, you have as much time as you want to play
>"fill in the blanks." Fill in the ones you memorized, then try to
>figure out some of the words. "T _ E" is likely to be "THE". Then
>if you find the same pattern as the "H", try putting an H
>in those other spots as well.

Ah, yes, the cryptogram method. I recommend it to anyone that has absolutely no intention of ever using CW.

One way to memorize the letters is by creating a binary tree, assigning "dit" to the 0-side, and "dah" to the 1-side. Assign each node the code letter generated when traversing from the root to that node. Finally, make up a silly saying based on all the letters produced, like "Extra Terrestrials In The New Mexico Sun Usually Require Water for DrinKinG".

Again, this is for those people who have ABSOLUTELY NO INTENTION of ever being CW-literate.

Re: any tricks for 13 WPM ?

None, other than practice until you have 10 wpm solid, then go to every test you can find until you get lucky. I got lucky, because one of the written test had a direct quote from the code test. I was able to fill in enough to get my one minute "solid" copy. (BTW, I now copy 15 WPM, and am trying for 20. Like mountains, we take on obstacles because they are there.)

Perry Scott
KF0CA

From 1156520954233259546
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c08e0ce452efb3a2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-26 16:36:09 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Making capacitors
Message-ID: <7880301@hpfcdc.HP.COM>
Date: 26 Sep 90 23:36:09 GMT

References: <9009241951.AA07406@ucsd.edu>
Organization: HP Fort Collins, Co.
Lines: 22
Posted: Thu Sep 27 00:36:09 1990

>Anyone out there ever built their own capacitors? I need a few
>ufd (maybe 2-10?) at 10-20Kv, with low impeadance. I'd rather
>avoid oil dialectric (messy) if possible. DIalectric suggestions
>welcome.

I've heard that beer bottles in a washtub full of saltwater works.
Glass dielectric, low-impedance (high cross-section) saltwater.

The advantage here is that whenever a capacitor fails, you get to
drink another beer !

>I also need a good, fast high-v switch, something easily obtainable that
>won't require a license (:)). I'm contemplating building my own
>triggered spark gap switch using a trigger transformer...

I don't understand the application. By "fast" do you mean "no bounce" ?
You'll probably have to fabricate this from some relay contacts and a
large spring. One other possibility is using an arc gap as a switch.

Perry Scott
KF0CA

From 3065162775751488185
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,90f7560d4be8e95e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-26 17:18:11 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: New Extra ham
Message-ID: <7880302@hpfcdc.HP.COM>
Date: 27 Sep 90 00:18:11 GMT
Organization: HP Fort Collins, Co.
Lines: 8
Posted: Thu Sep 27 01:18:11 1990

Congratulations to Andy Goris on passing the Extra exam last Sunday. He
should be on the air in six weeks when his license arrives.

:-)

He was a ham but let his license lapse. Last Sunday, in three and a
half hours, he took and passed the 20WPM test and the Novice, Tech,
General, Advanced, and Extra written tests. Wow!

From 6893318094558760619
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c08e0ce452efb3a2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-26 20:33:03 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Making capacitors
Message-ID: <1361@ke4zv.UUCP>
Date: 26 Sep 90 10:42:41 GMT
References: <9009241951.AA07406@ucsd.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 32
Posted: Wed Sep 26 11:42:41 1990

In article <9009241951.AA07406@ucsd.edu> MEDELMA@CMS.CC.WAYNE.EDU (Mike Edelman) writes:
>Anyone out there ever built their own capacitors? I need a few
>ufd (maybe 2-10?) at 10-20Kv, with low impeadance. I'd rather
>avoid oil dialectric (messy) if possible. DIalectric suggestions
>welcome.
>
>I also need a good, fast high-v switch, something easily obtainable that
>won't require a license (:)). I'm contemplating building my own
>triggered spark gap switch using a trigger transformer...
>
> mike ke8yy   medelma@cms.cc.wayne.edu medelma@waynest1

Aluminum foil and plate glass work fine. Leave about an inch per 10kv of glass sticking out beyond the aluminum foil plates. Cut the foil with a tab sticking out for connection. Stack the plates with the tabs alternating on opposite sides of the stack. Bus the tabs together on each side. This makes a fine, cheap high voltage capacitor. Seal the edges with RTV. Mount the whole assembly on plexiglass bars well away from metal.

It's hard to beat a gas thyratron tube for generating high voltage pulses. Your pulse network should switch on the primary side of the last stepup transformer for best results. It is difficult to obtain a stepup transformer with better than 20kv primary to secondary insulation so switching the primary at as high a voltage as possible is a good idea. Isolate the core of the stepup transformer from ground with plexiglass mounting plates. Use a standard high vacuum glass diode for your flyback diode. Isolate filament supplies from ground.

Enclose the entire assembly in a LARGE Faraday shield. Stand well back when powering this monster up.

Gary KE4ZV

```
From -3777853301847203326
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-26 21:09:49 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!mips!max!crisp
From: crisp@mips.COM (Richard Crisp)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <41753@mips.mips.COM>
Date: 26 Sep 90 20:45:09 GMT
References: <9009260726.AA15538@ti.com>
Sender: news@mips.COM
Reply-To: crisp@mips.COM (Richard Crisp)
Organization: MIPS Computer Systems, Inc.
Lines: 17
Posted: Wed Sep 26 21:45:09 1990

In article <9009260726.AA15538@ti.com> dube%cpdvax@UCSD.EDU writes:
>From: dube@cpdvax.csc.ti.com
>To: infohams@cpdvax.csc.ti.com
>Cc: DUBE@cpdvax.csc.ti.com
>Subject: Cricket
>
>I'm listening to a cricket-like signal that occurs about once each 30
>seconds on 21.148 mHz.  Anyone know what it might be?
>

It is an RTTY transmission using the "ALIST" protocol.

--
             Richard Crisp              crisp@mips.com
         MIPS Computer Systems        !decwrl!mips!crisp
          928 Arques MS 2-02            (408) 524-8177
          Sunnyvale, Ca 94086
```

```
From -3146135553489413185
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cf53fb965d983ca3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-27 02:43:54 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!
ucbvax!hls.com!trop
From: trop@hls.com (Troy T. Pummill)
Newsgroups: rec.ham-radio
Subject: Scanning in West Germany
Message-ID: <9009262134.AA04518@hls.com>
Date: 26 Sep 90 21:34:57 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
```

```
Posted: Wed Sep 26 22:34:57 1990
```

Hello again netlanders. I have a visitor here from West Germany and he would
like to take back a scanner from here in the states (the prices for such
devices are A LOT less here). The problem is that I don't know the frequencies
that are used in W. Germany.

So, if anyone has any knowledge of the frequencies used by public services
(police, fire, etc.) in W. Germany, I would appreciate your quick responses.

thanks and 73s......trop

```
-----------------------------------------------------------------------------
|  Troy T. Pummill, N6XMV   |  trop@hls.com                                 |
|  Sr. Technical Instructor |  ...uunet!{lanslide.hls.com,sytek}!trop   |
|  Hughes LAN Systems       |  1225 Charleston Rd., Silicon Gulch       |
|  Mountain View, CA  94043 |  The preceding drivel is entirely my own! |
-----------------------------------------------------------------------------
Invisible airwaves crackle with life, bright antenna bristles with the energy
Emotional feedback on timeless wavelength, bearing a gift beyond price....
Almost free.             "Spirit of Radio" - Rush
```

```
From -7476036654959152811
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4cd47a03715daa81,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-27 05:21:39 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!ucbvax!NISD.CAM.UNISYS.COM!doug
From: doug@NISD.CAM.UNISYS.COM (Doug Hardie)
Newsgroups: rec.ham-radio
Subject: Re:  Info-Hams Digest V90 #261
Message-ID: <9009270026.AA28394@KRONOS.NISD.CAM.UNISYS.COM>
Date: 27 Sep 90 00:26:34 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6
Posted: Thu Sep 27 01:26:34 1990
```

Subject: Walker Tomkins K6ATX stories
I have 3 kids who have read them and liked them. I don't think I have
all of them now. I think I only have 4 of them. Those 3 kids, by the
way are now licensed.

-- Doug WA6VVV

```
From -837226168240744551
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6ac3092aea4a88c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-27 05:34:42 PST
```

Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: Walker Tompkins K6ATX stories (Was Have you read...?)
Message-ID: <9009262153.AA00285@tilde>
Date: 26 Sep 90 21:53:39 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 53
Posted: Wed Sep 26 22:53:39 1990

I ran across some of the WALKER (not Walter) TOMPKINS (not Thompson) books in a used bookstore a few years ago. These were the 1960's reprints.

I had previously noticed them in the ARRL Book ads.

When I glanced through them I really got "hooked," not by brilliant writing or really spell-binding mysteries, which they are not. But they are decently written, the stories are OK for a juvenile level (the intended audience) and the characters' personalities and mannerisms were simple but basic to the story. They were just enough under caricture to be almost believable. (I mean, I've known people like some of these guys!)

One thing stands out: K6ATX loved ham radio. That shone through strongly and impressed me to make a point of buying a full set from the ARRL booth at the next hamfest. (They sit on the shelf next to my Tom Swift Jr. collection!)

(NOTE: K6ATX was also the callsign given to the hero Tommy Rockford.
A postscript mentions that all the calls used were real, and were used with the knowledge and consent of both the call holders and the FCC.)

The stories were updated in later printings. In the older edition, Tommy was using a DX-100, and in the later printing of the same story, he had a more contemporary Heathkit transceiver.

I read the news of Walker Tompkins' death just after reading the last K6ATX novel, "Murder by QRM". I was saddened that there would be no further stories.

I recommend that you check the local library or ask a friend... like I say, not pullet surprise literature, but most hams will identify with it.

I'd be curious of the reactions of "modern" kids. Would they consider it corny? Maybe, and maybe they're right. But the feeling for ham radio is there. How corny is that?

:-)

If any of you out there have teenage or pre-teen kids, how about giving it a try and letting the net know...?

Cheers,

Bob WA8YCD

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                          !   "In order to accomplish the
 Bob West WA8YCD                 !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM        !    the absurd!"
                                 !       -- Miguel de Animo y Jugo
 P. O. Box  863069               !
 Plano Texas 75086               !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

From -5727229430577187750
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c42431bc94860997,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-27 05:42:37 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!sol.ctr.columbia.edu!srcsip!msi-s0.msi.umn.edu!cs.umn.edu!uc!shamash!vtcqa
From: vtcqa@shamash.cdc.com (Jeff Comstock)
Newsgroups: rec.ham-radio
Subject: Re: Novice test code requirement... Again.
Message-ID: <26334@shamash.cdc.com>
Date: 27 Sep 90 00:31:54 GMT
References: <90269.121355DOW@MAINE.BITNET>
Reply-To: jrc%brainiac.uucp@shamash.cdc.com
Organization: Sewer of Source Code
Lines: 13
Posted: Thu Sep 27 01:31:54 1990

In article <90269.121355DOW@MAINE.BITNET> DOW@MAINE.BITNET (Michael R. Dow) writes:
>
> I just took my novice test... AN PASSED!
>
> I actually *enjoyed* learning the code! It wasn't hard. As a matter
>of fact, it was easy. Regardless of the fights against the code requirement,

First of all, congratulations and welcome aboard !

I really started to love CW after I was 'forced' to use it with a
novice ticket. Actually, I would rather use CW than voice any day.
It kind of grows on you. Wait till you get a TNC..........

Jeff NR0D

From -7429847729776283457
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a846005af4cd8224
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-27 06:37:59 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!Teknowledge.COM!unix!

hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Code Tset Gimmick. Was: Ham Radio Liscence
Message-ID: <1250240@hpnmdla.HP.COM>
Date: 26 Sep 90 18:32:50 GMT
References: <1990Sep25.164049.450@mlb.semi.harris.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 14
Posted: Wed Sep 26 19:32:50 1990

>
>>When I took my 5wpm test this spring, the VE announced that using this
>>technique would be grounds for disqualifying the applicant. Writing
>>the characters I recognized and guessing about the missing characters
...>later was ok.
>3. Sue. Consult your mouthpiece; you may have standing and grounds.

Oh, wonderful. Sure. Sue the volunteer who is donating his time trying to help you get your ham license. That will encourage more hams to volunteer their time and services knowing that they will get nothing in return but trouble.

AL N1AL

From 6909729840482229526
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c42431bc94860997
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-27 07:34:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!yale!venus!yalevm!maine!dow
From: DOW@MAINE.BITNET (Michael R. Dow)
Newsgroups: rec.ham-radio
Subject: Novice test code requirement... Again.
Message-ID: <90269.121355DOW@MAINE.BITNET>
Date: 26 Sep 90 16:13:55 GMT
Organization: University of Maine System
Lines: 17
Posted: Wed Sep 26 17:13:55 1990

I just took my novice test... AN PASSED!

1) Yes, I took the 5 wpm code test, without gimmicks, and passed.
   - I listened to the code tapes that come with Tune In The World for 20 minutes per day for two weeks.. This was *all* I did, and was obviously all I needed.

2) I think the no code debate is a crock of <insert noun here>.

I actually *enjoyed* learning the code! It wasn't hard. As a matter of fact, it was easy. Regardless of the fights against the code requirement, I do not believe that 5 wpm is a difficult requirement whatsoever.

Michael R. Dow
<callsign is somewhere in the mail>

From 5141090621065568013
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c47f92df4d0a36d1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,c47f92df4d0a36d1,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-09-27 07:40:00 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!snorkelwacker!usc!zaphod.mps.ohio-state.edu!mips!max!crisp
From: crisp@mips.COM (Richard Crisp)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: RDZ receiving equipment
Message-ID: <41769@mips.mips.COM>
Date: 27 Sep 90 02:42:18 GMT
Sender: news@mips.COM
Reply-To: crisp@mips.COM (Richard Crisp)
Followup-To: rec.radio.shortwave
Organization: MIPS Computer Systems, Inc.
Lines: 21
Xref: gmdzi rec.radio.shortwave:2222 rec.ham-radio:15156
Posted: Thu Sep 27 03:42:18 1990

I recently came across a set of crystals for "Model R D Z receiving equipment". These are a bunch of crystals in a nice metal case whose frequencies range from 5185.42KHz to 6326.56KHz. Each crystal is marked with a notation like "RDZ233.8" which for example corresponds to 5185.42KHz. The RDZ notation would seem to be some sort of code for the frequencies of the crystals. There is a paper chart inside the case with all the frequencies and RDZ codes for the crystals enclosed. This list is marked "Restricted" and the unit was made for the U.S. Navy. Most of the crystals also have an ink marking such as 9/53 or 11/53 etc. I would assume these are the dates the crystals were made.

Does anyone out there know anything about the gear these were used in?

--
```
             Richard Crisp              crisp@mips.com
         MIPS Computer Systems        !decwrl!mips!crisp
          928 Arques MS 2-02            (408) 524-8177
          Sunnyvale, Ca 94086
```

From -6422498206810431491
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20a4d1bb74ec0ee5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-27 08:51:49 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!THESIS1.HSCH.UTEXAS.EDU!jmaynard
From: jmaynard@THESIS1.HSCH.UTEXAS.EDU (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: Walker Tompkins' callsigns
Message-ID: <9009270406.AA16704@ucsd.edu>
Date: 27 Sep 90 04:06:51 GMT
References: <9009262330.AA02260@ucsd.edu>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Thu Sep 27 05:06:51 1990

Bob West, WA8YCD wrote:
> (NOTE: K6ATX was also the callsign given to the hero Tommy Rockford.
>   A postscript mentions that all the calls used were real, and were used
>   with the knowledge and consent of both the call holders and the FCC.)

Uh, almost...There was one story with a new kid with the call WV7XNN...the WV7
prefix would be kosher, but the XNN suffix is a no-no.
(WV-prefixes were used when it was necessary to distinguish those Novices
destined for Ws from those destined for WAs after they upgraded.)

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
"It's a hardware bug!" "It's a   +--------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_

From 8597946007592087727
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a06d43f320b2c4a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-27 09:16:02 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!bluemoon!jamaass
From: jamaass (Jeffrey A. Maass)
Newsgroups: rec.ham-radio
Subject: Re: Did you read this book?
Message-ID: <HkP5P2w163w@bluemoon.UUCP>
Date: 26 Sep 90 23:25:04 GMT
References: <13811@netcom.UUCP>
Sender: bbs@bluemoon.UUCP
Organization: Blue Moon BBS (614) 868-9980 & 9982 & 9984
Lines: 25
Posted: Thu Sep 27 00:25:04 1990

edg@netcom.UUCP (Edward Greenberg) writes:

> In article <480@wybbs.mi.org> ken@wybbs.mi.org (Ken) writes:
> >The plot concerned a group of young Hams that was involved tracking down
> >The bad guys caught the Hams and locked them in a trailer. The Hams
> >
> >Does anyone remember this book and what the title was?
> >
> The author was K6ATX and gave that call to his hero.
> There was more than one book. Three, as I recall. I read them in the

There are now a total of six of this series by Tompkins (before he became
Silent Key in trhe past couple of years). There is a new series by a
younger author (Wall) with one book so far.

All seven of these books are available from the ARRL at hamfests or by
mail. See QST, October 1990, p. 167 for a list of books, prices, and order
information.

They are NOT big sellers, I believe, but superior to some of the drivel
I've seen ADULTS reading recently.

Jeff Maass
Amateur Radio K8ND   (Packet Address K8ND @ W8CQK)
QTH: Near Columbus Ohio

From 6722026007850968435
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16ae122d734e0e2b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-27 09:20:14 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!BABETTE.ISI.EDU!COLE
From: COLE@BABETTE.ISI.EDU (Randy Cole)
Newsgroups: rec.ham-radio
Subject: AMSAT DSP Project Board For Sale
Message-ID: <654410959.0.COLE@babette.isi.edu>
Date: 27 Sep 90 04:49:19 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 36
Posted: Thu Sep 27 05:49:19 1990

Remember the AMSAT DSP Project? As part of the project, Tom
Clark negotiated a package deal on a bunch of Dalanco Spry
DSP boards for the project members to use. Being a DSP nut,
I chipped in and bought one. Shortly thereafter Tom and Bob
(N4HY) fell down the Microsat hole and have not been seen
since (just kidding).

I just upgraded my PC, and the Dalanco Spry board won't fit
in the new 386 motherboard, which has no true 8-bit slots.
Therefore I'd like to sell it.

The board is the Dalanco Spry Model 10, which is based on the TMS 32010 chip. The boards we got were the higher-speed 25 MHz clock version. I replaced the original hand-picked 320 chip with a GI (now Microchip) CMOS 320C10 rated to run at 26 MHz. The board has 4K x 16 bits of dual-port RAM and 40 K sample/sec A/D and D/A converters (12-bit, I think). Bob, Tom, and some other people put together a package of development software tools and some other neat stuff, including several different modems, an audio spectrum analyzer, etc.

The one caveat is that the board ONLY fits in an 8-bit slot, because of its physical outline. It should work fine with any PC or clone that runs the bus at standard rates.

Original cost was close to $1000, and we paid just over half that. I'll part with mine for somewhat less. Of course, the associated software, manual, etc., is included.

If you're interested please EMail me directly or call me during West Coast working hours at 213/450-9111, x2628.

Randy Cole KN6W
Citicorp-TTI

From 1515297817380837774
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,77e71bb732f0b010,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,77e71bb732f0b010,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-09-27 10:06:23 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!mit-eddie!bu.edu!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Mystery SK9426 chip info needed
Keywords: SK9426
Message-ID: <3903@radio.oakhill.UUCP>
Date: 27 Sep 90 04:58:33 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 9
Xref: gmdzi sci.electronics:8846 rec.ham-radio:15160
Posted: Thu Sep 27 05:58:33 1990

Okay here's one for all you audio repair hackers out there. I inherited an old solid-state stereo receiver the other day which contains some dead audio preamp chips labeled SK9426. I can't find them in the IC Master so I assume they are somewhat rare/obsolete. Anybody ever heard of such a chip? Mucho thanks.

-Charlie Thompson

cs.utexas.edu!oakhill!radio!charlie

From -1795637764625818342
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1ba945fa99b861e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-27 12:31:03 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Why is aviation radio AM?
Message-ID: <30500747@ux1.cso.uiuc.edu>
Date: 27 Sep 90 05:28:00 GMT
References: <26@<144>
Lines: 27
Nf-ID: #R:<144:26:ux1.cso.uiuc.edu:30500747:000:1353
Nf-From: ux1.cso.uiuc.edu!phil   Sep 27 00:28:00 1990
Posted: Thu Sep 27 06:28:00 1990

> From what I remember, most narrow band FM receivers will capture only
> one of the transmissions if it's approximately twice as strong as
> the other (3dB). If it's more than 3dB down, the interfering signal
> may still cause some distortion of the stronger signal, but to a lesser
> degree. The weaker the offending signal is compared to the stronger
> signal, the less noticible the intereferncе will be.

From actual experience I find that the interfering signal (defined as the one that LOOSES in a "double") has to be at least about 15db weaker to allow the other signal to be copyable.

> In your local police example, the various officers are almost
> always within DFQ range of the repeater, so typically collisions will
> be heard since the signal strengths are relatively close. In an
> aviation situation, one plane may be nearing the runway while
> another is 100 miles out. In this case, the nearby plane would
> probably totally mask the other on FM, but on AM, there would
> still be noticible distortion.

The reaction of AM to interference is linear. The reaction of FM is non-linear and varies with the modulation index.

Compandored AM could be an interesting mode to try.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 1174930753838801870
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8924141da8b9b38a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-27 12:31:06 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Calling the cops by radio (was Re:
Message-ID: <30500748@ux1.cso.uiuc.edu>
Date: 27 Sep 90 05:56:00 GMT
References: <60255@iuvax.cs.indiana.edu>
Lines: 52
Nf-ID: #R:iuvax.cs.indiana.edu:60255:ux1.cso.uiuc.edu:30500748:000:3068
Nf-From: ux1.cso.uiuc.edu!phil   Sep 27 00:56:00 1990
Posted: Thu Sep 27 06:56:00 1990

>Over the weekend, there was a "public safety" expo at the local mall.
>Got talking to one of the aux communications guys, after noticing some
>ham HTs on display. Mentioned about the discussion we had on this net
>about 6 months ago about hams using their modified HTs to contact
>police depts on police radio frequency. He said that we should
>*never* do that unless it is an extreme emergency (where someone is
>about to die, like in a car accident) and you have tried all other
>methods of communications (like the ham repeater, knocking on
>house doors to get them to call the police for you, etc.). The FCC
>may say that it is OK, but the police will not like it, unless it was
>an extreme emergency, and you tried other methods first (and they
>still won't be happy).

The Illinois Vehicle Code has a law in it that requires you to notify the authorities "by the fastest means possible" in the event of an accident resulting in injury. I suspect it might only apply if you are or were in and/or operating a vehicle. I don't have the code book with me or I would cite code and verse. I may do that later on.

My personal interpretation of this law is this. If I have my radio with me and it can communicate with the authorities, then IS is THE fastest means possible.

What I have not determined yet is what I will say and the operating procedure I will use. I listen on there a lot and am already familiar with how they operate, so I believe I could fit in FUNCTIONALLY, at least in my hometown area. In addition, as a volunteer (storm spotter) for the county ESDA (Emergency Services and Disaster Agency) I have a radio ID already we use on storm spotting on the ESDA frequencies.
The dispatchers do at times talk to a few other ESDA people using their ESDA ids on the ESDA frequencies and once even on a NON-ESDA frequency, so I believe if I used my ESDA id when calling the dispatcher, they would have a functional handle to work from. Will they believe me? If I was going to pull a prank, I could call 911 from a pay phone, and I have heard

them send fire engines out to prank reports before and they were even sure it was a prank. Better safe than sorry. The radio and the phone calls are all recorded, so my voice would be on tape either way. If I am questioned as to the appropriateness of the use of the radio I can certainly cite the Vehicle Code. Whether or not the use of my ESDA is would be considered appropriate in such a case, my only defense would be that "it was an identification the dispatcher could immediately deal with".

I would followup any such use of the radio with a written report to the appropriate authorities so they would know exactly "what, when, and why" of the incident. Only after that will I be able to REALLY find out how they react to such use of their radio frequency. Being in ESDA has a slight advantage in this case as well, I believe.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -1623976991479658601
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2862ba03294dc91c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-27 12:31:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Radio Propagation and Nuclear W
Message-ID: <30500749@ux1.cso.uiuc.edu>
Date: 27 Sep 90 06:00:00 GMT
References: <7880294@hpfcdc.HP.COM>
Lines: 11
Nf-ID: #R:hpfcdc.HP.COM:7880294:ux1.cso.uiuc.edu:30500749:000:501
Nf-From: ux1.cso.uiuc.edu!phil   Sep 27 01:00:00 1990
Posted: Thu Sep 27 07:00:00 1990

I believe the UHF and higher bands will come back first. I would expect the HF band to be totally absorbed for a good while (but not days) after the blast. The cummulative effect of a multitude of blasts could cause some major (and maybe long term) radio blackouts and/or some wierd and unexpected propogation modes.

This all assumes you live.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -7373819600460998574
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ddf51c4506e9a7c8,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-27 12:31:12 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Re: ARRL DX 38
Message-ID: <9009270342.AA11021@tilde>
Date: 27 Sep 90 03:42:44 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 3
Posted: Thu Sep 27 04:42:44 1990

My favorite bogus call is 5U4GB

73 Dube N5PDK

From -648522919700317416
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,77e71bb732f0b010
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,77e71bb732f0b010
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-09-27 12:56:29 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Mystery SK9426 chip info needed
Keywords: SK9426
Message-ID: <19645@ucsd.Edu>
Date: 27 Sep 90 06:02:03 GMT
References: <3903@radio.oakhill.UUCP>
Followup-To: sci.electronics
Organization: The Avant-Garde of the Now, Ltd.
Lines: 27
Xref: gmdzi sci.electronics:8851 rec.ham-radio:15167
Posted: Thu Sep 27 07:02:03 1990

In article <3903@radio.oakhill.UUCP> charlie@oakhill.UUCP (Charlie Thompson) writes:
>Okay here's one for all you audio repair hackers out there.
>I inherited an old solid-state stereo receiver the other day
>which contains some dead audio preamp chips labeled SK9426.
>I can't find them in the IC Master so I assume they are somewhat
>rare/obsolete. Anybody ever heard of such a chip? Mucho thanks.

I rarely answer questions that start as illiterately as 'Okay' but....

The reason you didn't find the SK9426 in the IC master is that it's not an IC. It's a matched dual PNP transistor with common emitter leads, intended for use in differential-amplifier circuits.

An NTE-43 is one substitute; check with your local tv repair parts shop
to see if they have some.

A note of caution: the SK series is/was RCA's "universal replacement"
line of parts, just as the NTE parts are. Those parts were rarely used
in new production (unless it's a homebrew) so you have to consider:

1) the unit you've got has probably been fried and worked on before

2) you're trying to find a substitute for a substitute, so there's no
guarantee that the third-hand part is going to work at all well.

Enjoy.
     - Brian

```
From 6569964202579677863
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4dad5d0f1aaa3397
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-27 13:02:55 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!
hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: QSL Information
Message-ID: <18230038@hpfcdj.HP.COM>
Date: 27 Sep 90 20:02:55 GMT
References: <5A091210072B007E-MTABWIDENER*DXANDY@widener>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 13
Posted: Thu Sep 27 21:02:55 1990
```

```
>>Unlikely, but possible.  Se la vi.  The postcard sits for a while.
                          ^^^^^^^^^
>What is this?  C'est la vie?  Don't use languages you don't know.
```

No, this is Alan making a derogatory comment about everyone's favorite
editor in a very obscure dialect. Klingonese, perhaps.   :-)

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
myers@fc.hp.com                          |  sentient life-form on this planet.
```

```
From -1542309836606810183
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,77e71bb732f0b010
```

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,77e71bb732f0b010
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-09-27 14:36:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!psuvax1!rutgers!news-server.csri.toronto.edu!helios.physics.utoronto.ca!ists!gkcl!os9john
From: os9john@gkcl.ists.ca (John Beveridge)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Mystery SK9426 chip info needed
Keywords: SK9426
Message-ID: <13138@ists.ists.ca>
Date: 27 Sep 90 14:05:21 GMT
References: <3903@radio.oakhill.UUCP>
Sender: news@ists.ists.ca
Reply-To: os9john@gkcl.UUCP (John Beveridge)
Followup-To: sci.electronics
Organization: y
Lines: 7
Xref: gmdzi sci.electronics:8853 rec.ham-radio:15168
Posted: Thu Sep 27 15:05:21 1990

Try the RCA substitution book. I believe SK is RCA.

.....jb

  I claim full responsibilty | What goes around, comes around.
                            -*-
      - os9john@gkcl.ists.ca - ists!gkcl.ists.ca!os9john -

From 4258061680878570093
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31ee4d5a1e059ed0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-27 14:37:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!usc!sdd.hp.com!ucsd!ucbvax!CMS.CC.WAYNE.EDU!MEDELMA
From: MEDELMA@CMS.CC.WAYNE.EDU (Mike Edelman)
Newsgroups: rec.ham-radio
Subject: Writing CW, calling cops, etc...
Message-ID: <9009271422.AA07293@ucsd.edu>
Date: 27 Sep 90 14:13:31 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Thu Sep 27 15:13:31 1990

As regards writing down dots and dashes, suing VECs and the like:
Jeez, guys, it's a $%$@# hobby, for goodness' sake. And personally,
I thought it both a matter of honor and a personal acheivement when
I passed my 5 and 13 wpm tests.

As for calling the cops on your HT...okay, If you're Bruce Willis standing on the roof of a hotem full of terrorists. But really, you *know* the cops don't like it, so why do it, other than to engender bad feelings for *all* hams and to play policeman? If you wanna do that, go join the police force.

If you feel you *must* contact police by the quickest method possible, go buy a cellular phone or a Bat-signal.
::)   mike edelman ke8yy

From 5517753998116311448
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a0b4df795b10199
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-27 14:50:35 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Limited Space Antennas
Summary: Cable systems in the 'hollers'
Message-ID: <277@ssc.UUCP>
Date: 27 Sep 90 06:21:52 GMT
References: <170.26FD3808@w8grt.fidonet.org>
Organization: very little
Lines: 35
Posted: Thu Sep 27 07:21:52 1990

In article <170.26FD3808@w8grt.fidonet.org>, jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>
>
> I have a friend who tried 4 wire ladder line. Works even better than the 2 wire kind. The line radiation losses are much less than all but the most expensive co-ax. He tells me that in the hills of Kentucky, where he lives, people living at the bottom of a hill put their TV, CB and ham antennas on top of the hill and run 4 wire lines several hundred feet to the bottom of the hill with great success.
>

About 11 years ago I was driving on a country road in the hills along the border of east Tennessee and North Carolina. I came around a bend, and suspended over the road was some real rickety looking open wire line, draped over some homemade supports lashed to trees and fence posts. Looked like something from an old Gil cartoon in QST.

I looked up the hill to my left, and the line continued up to an old weather-torn TV antenna on a short homemade mast. I looked to my right over the cliff, and the line continued on down into a ravine, where it ran along a fence, with open wire feeders tapping off and running into several little shacks.

It was a hillbilly CATV system!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 5363397974986469615
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8bae5c23352392f6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-27 15:05:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!CONSRT.ROK.COM!nix%muppet.decnet
From: nix%muppet.decnet@CONSRT.ROK.COM ("MUPPET::NIX")
Newsgroups: rec.ham-radio
Subject: Query Regarding Facsimile Protocols/Standards
Message-ID: <9009271452.AA08671@ucsd.edu>
Date: 27 Sep 90 15:50:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 27
Posted: Thu Sep 27 16:50:00 1990

Can anyone shed some light on the technical standards that facsimile machines follow? Another engineer in my office is looking to buy one, and he started asking me questions about fax protocols; I didn't have the answers.

We figure that the "G2" and "G3" designators, that the fax manufacturers are so happy to sprinkle throughout their spec-sheets, must be referenced in some CCITT document.

A `buzz-word' query; is a "pel" another way of saying pixel (picture element)?

A Canon fax spec-sheet inferred that a "G3" compatible machine could run at several different speeds (starting at 9600 baud, and working at 3 or 4 lower speeds; bottoming-out at 2400 baud).

From that, I would infer that the "G3" (or "G2" I suppose) protocol must define the way in which a document is scanned (number of lines per inch; number of pixels per line; modulation technique; start-stop-control characters), while leaving the question of transmission rate still a variable.

Comments would be appreciated.

Thanks,

Paul Nix (WB5AGF)   InterNet: nix%muppet.decnet@consrt.rok.com

```
From 1642865884112050861
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c5c11d0f7dc448e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-27 15:09:43 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!hplabs!
hpfcso!hpfcdj!goris
From: goris@hpfcdj.HP.COM (Andy Goris)
Newsgroups: rec.ham-radio
Subject: HT prices & survey
Message-ID: <18230039@hpfcdj.HP.COM>
Date: 27 Sep 90 22:09:43 GMT
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 63
Posted: Thu Sep 27 23:09:43 1990
```

I'm in the market for an HT, but I think I only need 2M. I'm interested in peoples pro's and cons for the Icom 2-SAT, 2-GAT, Yaesu FT-411E, and any other model they think is worth while. In fact, why don't I just conduct a little survey here, and I'll post the results. If someone has already done this recently, could you please mail me the results? thanks.

The survey:

1. What is your favorite single-band (2M) HT and why?

2. What features do you think are important in a 2M HT? (e.g., obviously DTMF, but what about # channels, sub-audible encode/decode, clock, etc.?)

3. What antenna's do you recommend for it and why?

4. What batteries do you recommend for it and why?

5. Are there any other accessories you recommend?

6. Is there any dealer you would recommend or not recommend?

I realize a lot depends on how much you want to spend, what you want to do with it, etc., but I'ld still like to hear people's opinions to these open-ended questions.

Since I'm asking for so much data, I thought I'ld offer a little in return. I called around for prices on a couple of HTs, and here's what I found out:

HT Prices Surveyed On 9/27/90

May/90 QST page		phone	Icom IC-2SAT	Icom IC2-GAT	Yaesu FT-411E
184	Reno Radio	800-345-5686	$315	$365	$335
192	Missouri Radio Center	800-821-7323	329 A	365	335
176	Jun's Electronics	800-882-1343	315	375	349
159	Austin Amateur Radio	800-423-2604	349	359	329
150	Madisson Shopper	800-231-3057	---	365	329
120	Barry Electronics	212-925-7000	370	270	340
109	R&L Electronics	800-221-7735	349 B	369	339
107	Amatuer Electronic s.	800-558-0411	360	380	340
100	C-Comm	800-426-6528	349 C	369	339
94	Ham Radio Outlet	800-854-6046	359 D	379	339

Notes

A. 2nd battery for 1/2 price. bp82 $22.50,bp84 $37.00,bp85 $49.50, bc-72A charger $104.

B. Free bp81 or bp82 (300 ma-hr) + 1/2 off any battery; bp84 $33.

C. Sub-audible encode/decode costs $45.00

D. bp-84 $75.00, bc-72 $100.

Since I'm new to this, I didn't think to ask for battery prices until I'ld already called most of the dealers....

From 7767958497091324062
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,70e2f96b6d68086c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-27 15:55:53 PST
Path: gmdzi!uhorn
From: uhorn@gmdzi.gmd.de (Uwe Horn)
Newsgroups: rec.ham-radio
Subject: DOVE Voice
Message-ID: <3405@gmdzi.gmd.de>
Date: 27 Sep 90 22:55:53 GMT
Organization: GMD Sankt Augustin (West Germany)
Lines: 7

Copied on 27 Sep 90 21:37 GMT from DOVE:

"DOVE will be reset by Oct. 1 for reload. Voice attempts shortly thereafter.
73 de Bob."

```
Uwe Horn.



From -2971861567780340554
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c26dbdef5e2c86a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-27 18:08:30 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!
ucbvax!LNCC.BITNET!USERFRFA
From: USERFRFA@LNCC.BITNET (FRANCISCO ROGERIO FONTENELE ARAGAO)
Newsgroups: rec.ham-radio
Subject: FT-757 GX MEMORY BACKUP BATTERY
Message-ID: <30391@LNCC.BITNET>
Date: 27 Sep 90 20:45:34 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Thu Sep 27 21:45:34 1990

SINCE ALL MEMORIES ARE CLEARED WHEN I TURN OFF MY YAESU FT-757 GX I SUSPECT
THE MEMORY BACKUP BATTERY IS EMPTY. THE OPERATING MANUAL AND THE TECHNICAL
MANUAL BRING NO INFORMATION ABOUT TYPE OF THE LITHIUM BATTERY OR ITS
PLACE IN RIG. I WOULD LIKE TO HAVE SOME HELP CONCERNING THIS QUESTION.
    ROGERIO ARAGAO
    P T 2 T D
    DEPARTMENT OF PHYSICS
    UNIVERSIDADE DE BRASILIA
.
    E-MAIL: USERFRFA@LNCC.BITNET


From 1828458206695174981
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e96bdce465940fa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-27 19:24:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!
cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Webster Smogpule III)
Newsgroups: rec.ham-radio
Subject: AS4C
Keywords: hee hee
Message-ID: <37704@ut-emx.uucp>
Date: 27 Sep 90 15:46:51 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 18
Posted: Thu Sep 27 16:46:51 1990

sxb@gibbon.inel.gov (Steve Bryan) says:

>>Last night (9/26/90 0230 UTC) on about 14.026 I worked AS4C through a
```

>>sizeable pile-up. His signal was so strong that I have some doubts
>>that he was for real. He was 10Db over S9 at times. Does anyone know
>>if AS4C is real, and if so a QSL route?

Need to brush up the ole CW there, Steve - he's real but he is AH3C.
QSL via K9UIY (AH3 = KH3 = Midway Island). If it makes you feel any
better, I thought I had finally worked Haiti on CW when I ran into
HH3TW, but it was only 5H3TW in Tanzania.

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From 3093221824847614726
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8ba406477680251f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-27 20:11:43 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: Cleaning capacitors.
Message-ID: <27.Sep.90.12:33:14.BST.#0405@UK.AC.NWL.IA>
Date: 27 Sep 90 11:25:48 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 21
Posted: Thu Sep 27 12:25:48 1990

I have had fair success cleaning capacitors by using an ultrasonic cleaning
bath and dishwashing detergent.
A period of 4 or 5 hours of being bombarded with ultrasound shifts all the
old grease, oxide, dust from between the plates etc. and brings the
ceramic stator insulators up like new. The same treatment can be used for
bandswitches , tube-sockets, open-type volume controls, and roller-coasters.
Note i would caution against using organic solvents with some components;
these solvents can dissolve or distort plastic parts. Phenolics in particular
behave very strangely. I have lost a number of tube bases this way..!
After cleaning, wash thoroughly in fresh water, and dry in an oven (to make
sure all the moisture is driven out of the ceramic parts...) the re-lubricate
the bearings with light machine-oil. Do not over-lubricate, since the oil will
attract dust.

This treatment can make avast improvement to a 'drifty' VFO. I gave the
tuning capacitor of my AR88 just such a washing, and the stability was
much better afterwards.
Take care to avoid damaging the capacitor plates though, or you will probably

mess up the dial calibration or tracking.

Pete Lucas   G6WBJ   PJML@UK.AC.NWL.IA 0793-411613

From 838254214919484405
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b31f525191e05550,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-27 21:00:56 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: QSOs by appointment?
Message-ID: <251@bongo.UUCP>
Date: 28 Sep 90 04:00:56 GMT
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 44
Posted: Fri Sep 28 05:00:56 1990

I decided to spend the evening reading some trash, there are only so many computer manuals anyone can digest, and being fresh out of bodice rippers, I grabbed the October QST.

On page 14 was "The Club Bouvet, 3Y5X, Story". I usually expect the "How we worked the States from a coral reef" stories to be in CQ, but it seemed like good light reading so I gave it a go.

I noticed on Page 15 that on of the picture captions said: "...The PC is used to log contacts and communicate via Inmarsat." I wondered why, they had a boat offshore, which according to the story had full Nav and Comms. Why, with all that Amateur Radio gear around on this storm lashed piece of rock do they need to chopper in an Inmarsat terminal? Must be so they can assure the XYLs at home that they are eating well and sending out their laundry.

I turned the page and read on with this story about how to spend $330,000 on a trip to an island that not even penguins are too happy about calling home. So half way down column one on page 16 is one of those amazing coincidences that makes life so worth while: "After more than 25 hours of hard labour, punctuated by only a few hours of sleep, we were quite exhausted. Happy and ready for the DX operation, we moved up to 14.145 MHz and Einar worked LA6VM as the first station."

Absolutely bloody amazing, I suppose LA6VM had been crouched by the rig, amphetamines in hand, for days waiting for a peep from his Norgie chums in the South Atlantic. But read on, in the next column is more riveting ham radio news: "The new Inmarsat satellite system was impressive, providing two-way public TELEX service from our laptop computer via a tiny omnidirectional antenna for weather reports, press releases and other project correspondence. We also had an HF voice link to Norway on frequencies outside the ham bands."

Only a cynic would envision a scenario where an exchange is made via Inmarsat to schedule a CW QSO on 20 Meters. Amazing where technology has taken us.

I assume all the CW gear was to back up the Inmarsat terminal (-:

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

```
From -2532177076388473994
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a0b4df795b10199
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-27 21:42:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
mailrus!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: Limited Space Antennas
Message-ID: <60563@iuvax.cs.indiana.edu>
Date: 27 Sep 90 18:55:13 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 21
Posted: Thu Sep 27 19:55:13 1990
```

Tad Cook writes:

>About 11 years ago I was driving on a country road in the hills along
>the border of east Tennessee and North Carolina. I came around a
>bend, and suspended over the road was some real rickety looking open
>wire line, draped over some homemade supports lashed to trees and
>fence posts. Looked like something from an old Gil cartoon in QST.
>... It was a hillbilly CATV system!

I call it "cable ladder for squirrels." Open-wire line has low loss and is inexpensive. It works well for people who live in deep valleys and must run long lines to TV antennas on mountaintops. Satellite dishes have replaced a lot of open-wire TV line in Appalachia, but some very elaborate systems are still in use. Sometimes they string the line across valleys, hundreds of feet above ground. A helicopter pilot for an Eastern Kentucky coal company told me that he doesn't like to fly below the mountaintops because of that stuff.

--

Frank   W9MKV   reid@ucs.indiana.edu

```
From -593788428870370654
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e6a9910354aa441,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-27 22:35:00 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!OSUCC.BITNET!AGENGCC
From: AGENGCC@OSUCC.BITNET
Newsgroups: rec.ham-radio
Subject: Rolling your own Capacitors
Message-ID: <9009280540.AA06701@ucsd.edu>
Date: 28 Sep 90 05:35:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Fri Sep 28 06:35:00 1990

I have seen window glass and aluminum foil used on Tesla Coils.
Window glass has a dielectric constant of about 7 and a very
high puncture voltage. As I recall 7 is one of the higher
dielectric constants so it would take less plate area per
Ufd and therefore have less inductance than most other common
substances and the price is right.
--
AGENGCC@OSUCC Gordon Couger N5QAQ

From -4313271464243648675
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2862ba03294dc91c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-28 00:16:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!sdd.hp.com!elroy.jpl.nasa.gov!aero!usasoc.soc.mil!
sparkyfs!sfo02.itstd.sri.com!jeffr
From: jeffr@sfo02.itstd.sri.com (Jeff Rininger)
Newsgroups: rec.ham-radio
Subject: Re: Radio Propagation and Nuclear Winte
Message-ID: <32671@sparkyfs.istc.sri.com>
Date: 27 Sep 90 15:21:08 GMT
References: <9009181856.AA27614@ucsd.edu> <30500743@ux1.cso.uiuc.edu>
<12102@crdgw1.crd.ge.com>
Sender: news@sparkyfs.istc.sri.com
Reply-To: jeffr@sfo02.itstd.sri.com.UUCP (Jeff Rininger)
Organization: SRI International, Menlo Park CA
Lines: 19
Posted: Thu Sep 27 16:21:08 1990

>[. . .]
>If there is a nuclear war, I don't think cancelling ham radio will
>be a high priority action item in the 2 hour war scenario.

According to the results of research performed by SRI in the
50's, from the time of a (large) nuclear detonation until
many hours (days ?) afterwards, HF propagation is essentially

non-existent. So, HF ham radio and in fact all HF communications
will be temporarily " canceled" by fiat in the event of a nuclear
war.

Also, do you see that Yamaguchi Mach V transceiver there on your
desk ? If people start exploding nuclear bombs, it will most
likely become a $1K paperweight due to EMP effects.

- N6MNI, Jeff

{rutgers, ames, mordor, sri-unix, zodiac, csi}!jeffr%itstd.sri.com

```
From 2355179890411931631
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c47f92df4d0a36d1
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,c47f92df4d0a36d1
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-09-28 05:05:37 PST
Path: gmdzi!unido!mcsun!sunic!hagbard!eru!bloom-beacon!bu.edu!rpi!zaphod.mps.ohio-
state.edu!uakari.primate.wisc.edu!aplcen!haven!decuac!shlump.nac.dec.com!
carafe.enet.dec.com!goldstein
From: goldstein@carafe.enet.dec.com (Fred R. Goldstein)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: RDZ receiving equipment
Message-ID: <15674@shlump.nac.dec.com>
Date: 27 Sep 90 19:00:56 GMT
Sender: newsdaemon@shlump.nac.dec.com
Followup-To: rec.radio.shortwave
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 28
Xref: gmdzi rec.radio.shortwave:2235 rec.ham-radio:15180
Posted: Thu Sep 27 20:00:56 1990
```

In article <41769@mips.mips.COM>, crisp@mips.COM (Richard Crisp) writes...

> I recently came across a set of crystals for
> "Model R D Z receiving equipment". These are a bunch of
> crystals in a nice metal case whose frequencies range from
> 5185.42KHz to 6326.56KHz. Each crystal is marked with
> a notation like "RDZ233.8" which for example corresponds
> to 5185.42KHz...
> Does anyone out there know anything about the gear these were
> used in?

Just in case nobody knows any more,

About 25 years ago, a MARS-connected radio club had a TDZ/RDZ pair in
their clubhouse. That's the only ones I've seen. RDZ was the receiver
and TDZ the transmitter, of course. These were BIG rack-mounted HF (?)
gear. Of particular note was the motor tuning. You pre-programmed them

with all the front panel knob settings (lots of 'em) and when you switched channels, motors turned the knobs to the right position. Sort of the ancient equivalent of today's no-tune radios.

I think they were AM gear, probably using 2C39s, 4X150s, or some such finals in the TDZ. Brings back memories. Anybody have an old Fair Radio catalog?

```
---
Fred R. Goldstein   goldstein@carafe.enet.dec.com
k1io             or goldstein@delni.enet.dec.com
                    voice:  +1 508 486 7388
```

From -2556780664610375630
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,48ccbea579ac36ff,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 17:19:40 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!ucbvax!tincan.sawyer.af.mil!scxc3
From: scxc3@tincan.sawyer.af.mil (Michael A. Barnes)
Newsgroups: rec.ham-radio
Subject: Mods to MFJ 1270
Message-ID: <9009220019.AA10575@tincan.sawyer.af.mil>
Date: 22 Sep 90 00:19:40 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25
Posted: Sat Sep 22 01:19:40 1990

Sorry to post this to the net, but I can't get there from here.

For GARY, KE4ZV:

Could you post or E-mail me information about the mods you did to MFJ-1270 TNCs? I have had some problems with my 1274 (same thing with LED display) that your mods may fix or improve on.

Thanks and 73,

Michael

```
--
*****************************************************************************
* Michael A. Barnes                      *   Have a nice AFCC day, eh?
* Internet: LWRCLMR@SACEMNET.AF.MIL      *
* SawyerNet: SCXC3@TINCAN.SAWYER.AF.MIL  *
* UseNet: sharkey!lopez!mabarnes         *
* HamNet: WA7SKG@N8IYB.MI.USA.NA         *   All standard disclaimers
* Bell Net: 906-346-2811                 *   apply.
* DSNet: 472-2811                        *
* SnailNet: 410 BMW/SCX                  *
*           K.I. Sawyer AFB, MI          *
*                 49843-6346              *
*****************************************************************************
```

From 8656649491180750562
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,acc364142f75f64c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 18:36:09 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9009220136.AA01447@blackbird.afit.af.mil>
Date: 22 Sep 90 01:36:09 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 438
Posted: Sat Sep 22 02:36:09 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

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- Current NASA Prediction Bulletins #751 -
Alouette 1
1 00424U 62B-A  1 90257.90283838  .00000197  00000-0  22678-3 0  3409
2 00424  80.4619 197.6140 0024612  42.8290 317.4765 13.67386459394953
ATS 3
1 03029U 67111  A 90258.36603658 -.00000075  00000-0  99999-4 0  4156
2 03029  13.3146  20.4295 0015486 211.1474 148.8691  1.00272657 83693
Cosmos 398
1 04966U 71 16  A 90263.49644439  .00074321  17839-4  39621-3 0  1000
2 04966  51.5367 357.1268 2220237 328.9857  19.6589 11.17352137602306
Starlette
1 07646U 75010  A 90261.05464745 -.00000040  00000-0  16291-4 0   976
2 07646  49.8230 152.0460 0206507 138.0743 223.6168 13.82141633788626
LAGEOS
1 08820U 76039  A 90262.37658810  .00000003  00000-0  00000 0 0  1040
2 08820 109.8598  27.3760 0044704 218.1509 141.5813  6.38664433 79956
GPS-0001
1 10684U 78020  A 90259.68120828  .00000006  00000-0  99999-4 0  4974
2 10684  63.7114  86.7355 0119711 196.5529 163.1379  2.00555667 77688
GPS-0002
1 10893U 78 47  A 90262.65579206 -.00000024  00000-0  00000 0 0  2300
2 10893  64.3418 327.4880 0165228  25.2929 335.5806  2.00541236 90567
GOES 3
1 10953U 78062  A 90262.67491323  .00000105  00000-0  99999-4 0  9495
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2 10953   7.1687  65.3084 0009578  84.5628 275.7454  1.00281093  5640
SeaSat 1
1 10967U 78064  A 90263.21583862  .00000900  00000-0  35330-3 0  3757
2 10967 108.0211 156.3217 0002137 247.5195 112.5834 14.35853377640098
GPS-0003
1 11054U 78093  A 90257.44628020 -.00000023  00000-0  00000 0 0  2603
2 11054  63.8744 323.8945 0060109 121.0583 239.6004  2.00568638 87473
Nimbus 7
1 11080U 78098  A 90260.66757091  .00000083  00000-0  10485-3 0  6922
2 11080  99.1837 163.4486 0008372 193.2656 166.8282 13.83456985600824
GPS-0004
1 11141U 78112  A 90262.53783928  .00000006  00000-0  00000 0 0  4328
2 11141  63.7523  86.5185 0057827 315.9749  43.6239  2.00553070 86278
GPS-0005
1 11690U 80 11  A 90260.68460779  .00000007  00000-0  00000 0 0   123
2 11690  64.2758  88.7170 0118740 202.6487 156.8843  2.00553913 92095
GPS-0006
1 11783U 80 32  A 90262.98506506 -.00000023  00000-0  00000 0 0  2089
2 11783  63.6678 323.2564 0150882  60.4207 301.1489  2.00559896 76223
GOES 5
1 12472U 81049  A 90260.50468909 -.00000062  00000-0  99999-4 0  9781
2 12472   3.6965  74.7457 0000976  31.6839 328.7349  1.00203982 33156
DE 1
1 12624U 81 70  A 90262.64683732  .00000115  00000-0  31509-3 0  5263
2 12624  88.9773 146.9780 6220053 250.8509  35.2787  3.51020342265501
SME
1 12887U 81100  A 90262.06644749  .00076924  00000-0  98717-3 0  8313
2 12887  97.6257 315.6564 0002104  58.4386 301.7107 15.58878786495858
Salyut 7
1 13138U 82 33  A 90263.66386879  .00083704  00000-0  59993-3 0  5092
2 13138  51.5992 177.9980 0001817 121.7687 238.2814 15.72961239479833
Cosmos 1383
1 13301U 82 66  A 90253.98015504  .00000119  00000-0  12808-3 0  5956
2 13301  82.9268 237.8843 0026347 287.2734  72.5521 13.67845084409400
LandSat 4
1 13367U 82 72  A 90264.05875408 -.00000127  00000-0 -23071-4 0  4564
2 13367  98.1571 324.6594 0003933 173.7441 186.3823 14.57128959435263
IRAS
1 13777U 83  4  A 90260.33612455  .00000507  00000-0  37587-3 0  8103
2 13777  99.0229  95.6958 0013571 129.0542 231.1831 13.98820161 59822
Cosmos 1447
1 13916U 83 21  A 90254.04809813  .00000121  00000-0  11709-3 0  7417
2 13916  82.9481 308.5923 0036546 261.5243  98.1763 13.74060029374461
TDRS 1
1 13969U 83 26  B 90262.66096087  .00000129  00000-0  99999-4 0   945
2 13969   4.6950  65.1043 0002743 141.2680 219.0879  1.00277074   285
GOES 6
1 14050U 83 41  A 90260.60399889  .00000119  00000-0  99999-4 0  2549
2 14050   2.4573  77.0786 0001812 145.7124 214.9274  1.00270317  1072
OSCAR 10
1 14129U 83 58  B 90260.93187818 -.00000058  00000-0  00000 0 0  5497
2 14129  26.0092 184.3937 5954699 176.6918 190.5773  2.05881694 26641
GPS-0008
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1 14189U 83 72  A 90260.95229023  .00000005  00000-0  99999-4 0  8287
2 14189  63.4018  84.9615 0148143 219.6048 139.3595  2.00700803 52621
LandSat 5
1 14780U 84 21  A 90264.01880682  .00001067  00000-0  24674-3 0  3184
2 14780  98.1976 322.6219 0000737 133.6010 226.5245 14.57133519348671
UoSat 2
1 14781U 84 21  B 90263.05787261  .00001741  00000-0  32810-3 0  7822
2 14781  97.9427 312.4814 0012080 310.4834  49.5399 14.65679215349863
GPS-0009
1 15039U 84 59  A 90257.11398166  .00000005  00000-0  00000 0 0   414
2 15039  63.1669  84.2416 0022774 227.3135 132.5561  2.00611139 45826
Cosmos 1574
1 15055U 84 62  A 90256.79682746  .00000111  00000-0  10750-3 0  9457
2 15055  82.9576 356.9826 0029220  75.9721 284.4682 13.73375430312231
GPS-0010
1 15271U 84 97  A 90260.53957593 -.00000023  00000-0  00000 0 0  8980
2 15271  63.1804 322.8445 0107150 328.0035  31.4250  2.00559543 43008
Cosmos 1602
1 15331U 84105  A 90263.98612052  .00001758  00000-0  23644-3 0  3564
2 15331  82.5346 272.0943 0024441  22.3527 337.8767 14.78565689322249
NOAA 9
1 15427U 84123  A 90262.04297155  .00000603  00000-0  34612-3 0  6242
2 15427  99.1736 264.0809 0016121 104.9778 255.3181 14.12670897297235
Cosmos 1686
1 16095U 85 86  A 90262.71090210  .00043001  00000-0  31427-3 0  7599
2 16095  51.6017 182.8927 0001104 167.0715 193.2684 15.72779644479682
GPS-0011
1 16129U 85 93  A 90261.25057858  .00000006  00000-0  00000 0 0  5746
2 16129  63.9257  85.1723 0126182 148.2858 212.5349  2.00509250 36227
Mir
1 16609U 86 17  A 90263.65971894  .00037792  00000-0  47476-3 0  9453
2 16609  51.6105 208.7672 0026921  66.6844 293.6900 15.58878456  5717
SPOT 1
1 16613U 86 19  A 90264.04077012  .00000881  00000-0  43185-3 0  1042
2 16613  98.7276 337.2066 0000373 294.3262  65.8165 14.20031867 77531
Cosmos 1766
1 16881U 86 55  A 90261.85028982  .00003809  00000-0  52156-3 0  1497
2 16881  82.5145 333.0249 0025037  37.9567 322.3403 14.78057880222987
EGP
1 16908U 86 61  A 90260.60311584 -.00000014  00000-0  20654-3 0  2449
2 16908  50.0090 331.8807 0011362  71.2649 288.9418 12.44389410186362
NOAA 10
1 16969U 86 73  A 90264.06783281  .00000563  00000-0  26333-3 0  4697
2 16969  98.5959 289.8498 0013757 355.7540   4.3525 14.23732694208255
MOS-1
1 17527U 87 18  A 90258.09236924 -.00001276  00000-0 -93793-3 0  6646
2 17527  99.0998 329.4636 0000591 113.3468 247.6023 13.94855902181798
GOES 7
1 17561U 87 22  A 90261.27932576 -.00000110  00000-0  99999-4 0  5930
2 17561   0.0692 282.9902 0004733 105.6840 331.3629  1.00276426  6508
Kvant-1
1 17845U 87 30  A 90262.89043358  .00047727  00000-0  59809-3 0  2592
2 17845  51.6120 212.6289 0027325  64.1979 296.1609 15.58820918197633
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DMSP B5D2-3
1 18123U 87 53  A 90263.99942673  .00000000  00000-0  99999-5 0  7063
2 18123  98.8129  93.3171 0015612 109.0046 251.2857 14.14145041167945
RS-10/11
1 18129U 87 54  A 90263.03858395  .00000087  00000-0  89071-4 0  3275
2 18129  82.9210 258.4411 0010993 209.5990 150.4532 13.72109867162458
Meteor 2-16
1 18312U 87 68  A 90260.38091237  .00000220  00000-0  18868-3 0  4919
2 18312  82.5451 217.1953 0014252 358.9511   1.1616 13.83674549155732
Meteor 2-17
1 18820U 88  5  A 90262.58957725  .00000105  00000-0  88860-4 0  3564
2 18820  82.5414 275.4140 0018327  61.1687 299.1263 13.84371137133241
DMSP B5D2-4
1 18822U 88  6  A 90263.99963088  .00000655  00000-0  31650-3 0  6390
2 18822  98.6337 140.9864 0007101   2.4085 357.7185 14.21556988136431
Glonass 34
1 19163U 88 43  A 90262.93676774  .00000020  00000-0  99999-3 0  9676
2 19163  64.9081 155.9279 0007126 191.2917 168.7693  2.13102424 18169
Glonass 36
1 19165U 88 43  C 90262.99384907  .00000020  00000-0  99999-4 0  9758
2 19165  64.8928 155.9231 0004130 331.5397  28.5138  2.13102764 18165
AO-13
1 19216U 88 51  B 90263.62168524 -.00000120  00000-0  99999-4 0  1462
2 19216  56.8713 134.9262 7029521 236.1311  37.1395  2.09702232 17408
OKEAN 1
1 19274U 88 56  A 90260.11955001  .00002566  00000-0  35679-3 0  9474
2 19274  82.5133  73.3017 0022155 178.8781 181.2576 14.77333897118498
Meteor 3-2
1 19336U 88 64  A 90263.31252569  .00000391  00000-0  99999-3 0  5820
2 19336  82.5403 210.1118 0018947  73.8252 286.4820 13.16904696103476
Glonass 39
1 19503U 88 85  C 90262.54411743 -.00000016  00000-0  99999-4 0  8597
2 19503  65.3425  35.4467 0006455 177.5371 182.4671  2.13103527 15644
NOAA 11
1 19531U 88 89  A 90261.30044454  .00000730  00000-0  42096-3 0  3486
2 19531  98.9896 209.7447 0012659  26.5031 333.6785 14.11713361102100
TDRS 2
1 19548U 88 91  B 90254.51174794  .00000112  00000-0  99999-4 0  1514
2 19548   0.3280  87.1722 0002716  93.3702 179.4638  1.00267499  1130
Glonass 40
1 19749U 89  1  A 90263.05434557  .00000020  00000-0  99999-4 0  6988
2 19749  64.8530 155.5971 0005772 275.7850  84.2117  2.13102197 13188
Glonass 41
1 19750U 89  1  B 90263.11261796  .00000020  00000-0  99999-4 0  7015
2 19750  64.8709 155.6134 0005812 252.7944 107.2165  2.13102328 13189
GPS BII-01
1 19802U 89 13  A 90233.24152199  .00000016  00000-0  99999-4 0  1540
2 19802  55.0484 194.8560 0052488 166.0565 194.0528  2.00648564 11058
Akebono
1 19822U 89 16  A 90263.26318906  .00028580  00000-0  16833-2 0  7524
2 19822  75.0943 192.1286 4162394 161.0199 220.9751  7.14838693  6615
Meteor 2-18
1 19851U 89 18  A 90263.09216406 -.00000122  00000-0 -11520-3 0  3148
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2 19851  82.5276 152.8631 0016421  99.4178 260.8969 13.84004499 78696
TDRS 3
1 19883U 89 21  B 90250.15220794 -.00000234  00000-0  99999-4 0  1525
2 19883   0.3451  84.0787 0001939 103.8648 172.0626  1.00276183 75778
GPS BII-02
1 20061U 89 44  A 90256.95128879 -.00000033  00000-0  00000 0 0  1500
2 20061  54.8554  12.0899 0092848 177.4093 182.6515  2.00482319  9278
Nadezhda 1
1 20103U 89 50  A 90257.11261381  .00000088  00000-0  87878-4 0  2041
2 20103  82.9575 219.4320 0037876 148.5845 211.7582 13.73609836 59928
GPS BII-03
1 20185U 89 64  A 90259.31961858  .00000016  00000-0  99999-4 0  1458
2 20185  54.9361 194.7111 0023376 150.4514 209.6604  2.00581297  7896
Activnyi
1 20261U 89 80  A 90263.67640510  .00001846  00000-0  57745-3 0  7285
2 20261  82.5984 167.9492 1257542 122.5025 250.3875 12.43917268 44461
Activnyi RB
1 20262U 89 80  C 90261.99764722  .00000688  00000-0  21150-3 0  2842
2 20262  82.5984 169.1182 1261223 126.6948 245.6855 12.43278378 44256
Magion 2
1 20281U 89 80  B 90263.70506662  .00003306  00000-0  10327-2 0  7265
2 20281  82.5978 167.8177 1256874 122.1945 250.7190 12.44212012 44470
GPS BII-04
1 20302U 89 85  A 90233.78841113 -.00000027  00000-0  99999-4 0  1392
2 20302  54.5872 314.3891 0034316 318.7813  41.0133  2.00369101  6186
Meteor 3-3
1 20305U 89 86  A 90256.80007755  .00000020  00000-0  41120-4 0  2149
2 20305  82.5554 155.5157 0016446 103.8671 256.4274 13.15863357 42601
COBE
1 20322U 89 89  A 90262.57133277  .00002392  00000-0  15660-2 0  1669
2 20322  99.0242 271.8938 0010079 105.7378 254.4888 14.02873836 42729
Kvant-2
1 20335U 89 93  A 90262.89044494  .00048086  00000-0  60254-3 0  3814
2 20335  51.6116 212.6293 0027357  64.1264 296.2959 15.58821380 46561
GPS BII-05
1 20361U 89 97  A 90221.97664954  .00000015  00000-0  99999-4 0   906
2 20361  54.9826 138.2198 0063606  49.6575 310.9235  2.00582513  4808
SPOT 2
1 20436U 90  5  A 90264.00563053  .00000784  00000-0  38598-3 0  3564
2 20436  98.7292 337.2358 0000966  95.6015 264.5094 14.20025481 34343
UO-14
1 20437U 90  5  B 90260.20204198  .00000534  00000-0  22848-3 0  2063
2 20437  98.6921 336.0173 0010587 247.2221 112.7870 14.28713631 34006
UO-15
1 20438U 90  5  C 90263.18509753  .00000347  00000-0  15480-3 0  1200
2 20438  98.6971 338.9571 0009501 236.8694 123.1597 14.28433424 34424
PACSAT
1 20439U 90  5  D 90262.35603265  .00000520  00000-0  22257-3 0  1092
2 20439  98.6989 338.3236 0010587 240.3301 119.6856 14.28818352 34310
DO-17
1 20440U 90  5  E 90262.48899265  .00000609  00000-0  25703-3 0  1193
2 20440  98.6980 338.4725 0010831 238.5002 121.5125 14.28870468 34335
WO-18
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1 20441U 90  5  F 90262.47193229  .00000507  00000-0  21641-3 0  1127
2 20441  98.6989 338.4860 0011307 240.3118 119.6943 14.28959304 34336
LO-19
1 20442U 90  5  G 90262.11028622  .00000491  00000-0  20976-3 0  1147
2 20442  98.6992 338.1523 0011638 242.1403 117.8609 14.29028693 34280
GPS BII-06
1 20452U 90  8  A 90231.96552739  .00000002  00000-0  99999-4 0   858
2 20452  54.5203 253.3822 0028572  40.8909 319.3724  2.00872044  4126
MOS-1B
1 20478U 90 13  A 90254.17638954 -.00000162  00000-0 -10763-3 0  4106
2 20478  99.1827 324.0095 0000762 128.9429 230.7690 13.94825063 30126
DEBUT
1 20479U 90 13  B 90258.53680681  .00000019  00000-0  72450-4 0  1068
2 20479  99.0295 287.9572 0540731 203.8702 153.6442 12.83145600 28331
FO-20
1 20480U 90 13  C 90261.57386249  .00000011  00000-0  54377-4 0  1049
2 20480  99.0356 290.4267 0540429 196.9758 161.2629 12.83160374 28728
MOS-1B R/B
1 20491U 90 13  D 90263.13380022 -.00000191  00000-0 -33429-3 0  1199
2 20491  99.0342 298.0347 0471238 168.6885 192.5278 13.02747964 28765
LACE
1 20496U 90 15  A 90263.58463249  .00010709  00000-0  62725-3 0  2419
2 20496  43.0957 158.2365 0016265 230.9957 128.9709 15.11764040 32950
RME
1 20497U 90 15  B 90263.95318539  .00016731  00000-0  43787-3 0  2601
2 20497  43.0976 109.5647 0016769 255.7037 104.2271 15.38335402 33572
Nadezhda 2
1 20508U 90 17  A 90256.32007220  .00000129  00000-0  12661-3 0  1713
2 20508  82.9588 354.9228 0046004  99.7485 260.8867 13.73231255 27105
OKEAN 2
1 20510U 90 18  A 90260.08666581  .00003182  00000-0  48560-3 0  2828
2 20510  82.5281  13.0675 0019252 341.0331  19.0301 14.73471351 29609
INTELSAT-6
1 20523U 90 21  A 90264.00209218  .00004938  00000-0  34717-3 0  3080
2 20523  28.3440 355.6781 0015043 126.7191 233.4920 15.02724915 28874
GPS BII-07
1 20533U 90 25  A 90235.22171003 -.00000033  00000-0  00000 0 0   621
2 20533  55.1112  13.2388 0036349 103.5071 256.9366  2.00552057  2945
PegSat
1 20546U 90 28  A 90263.42845946  .00016304  00000-0  99458-3 0  2296
2 20546  94.1154 265.7065 0144198 350.5881   9.5240 15.01947385 25124
HST
1 20580U 90 37  B 90263.69137361  .00007904  00000-0  88912-3 0  2185
2 20580  28.4715   1.7894 0005678  47.7797 312.3466 14.85045170 22183
Glonass 44
1 20619U 90 45  A 90262.48631444 -.00000016  00000-0  99999-4 0  1527
2 20619  64.9455  35.7313 0023251 210.2862 149.5845  2.13103164  2637
Glonass 45
1 20620U 90 45  B 90262.60415087 -.00000016  00000-0  99999-4 0  1616
2 20620  64.9453  35.7305 0007254  47.9372 312.1050  2.13102767  2649
Glonass 46
1 20621U 90 45  C 90263.13190737 -.00000016  00000-0  99999-4 0  1326
2 20621  64.9563  35.7169 0013800 198.4842 161.4679  2.13102759  2652
```

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Kristall
1 20635U 90 48  A 90262.89043515  .00046375  00000-0  58156-3 0  1570
2 20635  51.6120 212.6296 0027277  63.6522 296.7116 15.58818925 17440
ROSAT
1 20638U 90 49  A 90263.40113401  .00005672  00000-0  49296-3 0   708
2 20638  52.9763 347.7795 0014588 256.7752 103.1771 14.98259655 16556
Meteor 2-19
1 20670U 90 57  A 90263.88140721  .00000186  00000-0  15837-3 0   518
2 20670  82.5453 212.6967 0017148  23.8882 336.3083 13.83852215 11757
BADR-1
1 20685U 90 59  A 90264.03831585  .00365515 -84838-5  62720-3 0   834
2 20685  28.4849 221.9067 0430169 127.3829 236.6131 15.24288181 10115
CRRES
1 20712U 90 65  A 90259.86488454  .00000931  00000-0  11858-2 0   184
2 20712  18.2588  25.5449 7119054 239.9435  32.4997  2.43422849  1303
Soyuz TM-10
1 20722U 90 67  A 90262.89043727  .00047663  00000-0  59732-3 0   631
2 20722  51.6118 212.6292 0027321  64.2395 296.1401 15.58820932  7749
GPS BII-08
1 20724U 90 68  A 90255.01516188  .00000016  00000-0  99999-4 0   143
2 20724  54.7108 192.7509 0094464 117.3681 243.5763  2.00550458   783
1990 038F
1 20748U 90 38  F 90262.12549138  .12649608  00000-0  14608-1 0   697
2 20748  73.9714 104.2992 0008986 229.6767 130.4953 15.92493628 22515
1990 038G
1 20749U 90 38  G 90263.24875934  .21887974  31711-5  91881-2 0   662
2 20749  73.9617 101.6127 0010020 235.6587 131.5249 16.22756827 22672
1990 038H
1 20750U 90 38  H 90264.00371460  .09554824  00000-0  17382-1 0   569
2 20750  74.0678 101.1218 0009324 259.9678  99.8645 15.86070415 22772
1990 038J
1 20751U 90 38  J 90263.95553872  .02764681  00000-0  16259-1 0   594
2 20751  73.9316 100.7968 0007952 258.5037 101.5174 15.70610959 22758
Progress M4
1 20752U 90 72  A 90263.40260945  .00088096  00000-0  10747-2 0   515
2 20752  51.6105 210.0519 0025829  66.0277 294.3006 15.59316483  5675
1990 043L
1 20759U 90 43  L 90262.83121272  .00013327  00000-0  20805-2 0   370
2 20759  89.6608 189.6077 0058853 213.4702 146.2813 14.71621769  8588
BSB-R2
1 20762U 90 74  A 90241.20226417 -.00000255  00000-0  99999-4 0    68
2 20762   0.3547 250.8801 0017120  90.4647  18.5913  1.00266680   100
Cosmos 2096
1 20765U 90 75  A 90263.63542306  .00007128  00000-0  12154-3 0   636
2 20765  65.0199 156.3760 0009561 262.8576  97.1773 15.52125647  4340
Cosmos 2097
1 20767U 90 76  A 90262.77526790 -.00001006  00000-0  39230-2 0   231
2 20767  62.9670  40.0601 7362588 318.3888   4.5820  2.00536905   462
1990 076B
1 20768U 90 76  B 90264.02624853  .01612505  39365-4  11627-2 0   514
2 20768  62.7573 314.1418 0138659 120.1351 241.7401 15.97938461  3748
1990 076D
1 20770U 90 76  D 90258.56572670  .00000203  00000-0  26028-2 0   109
```

```
2 20770  62.9261  40.6772 7343672 318.3819   4.4913  2.03421212   407
BS-3A
1 20771U 90 77  A 90263.66168558 -.00000332  00000-0  99999-4 0   231
2 20771   0.2078 243.0457 0002375 124.4596 352.5291  1.00260547   450
1990 077C
1 20773U          90257.41697635 0.00041887           39720-2 0   130
2 20773  28.7411 140.9350 7409216 188.9574 140.9182  2.14575717   371
Cosmos 2098
1 20774U 90 78  A 90263.39158647  .00007724  00000-0  76831-3 0   288
2 20774  82.9614 225.3385 1043881  71.7740 299.4050 13.19778156  2987
1990 078B
1 20775U 90 78  B 90263.43756961  .00012646  00000-0  11084-2 0   329
2 20775  82.9671 225.2675 1051014  70.6478 300.5141 13.21554770  3012
SKYNET 4C
1 20776U          90257.96926181 -.00000052           10000-3 0   191
2 20776   4.3538 294.1992 0127608 204.5959 154.6462  1.02201946   183
EUTELSAT II
1 20777U 90 79  B 90255.99999998  .00000154  00000-0  99999-4 0   114
2 20777   0.0221 107.1218 0040571 201.5227  58.5770  1.00436699   107
1990 079C
1 20778U 90 79  C 90261.98983629  .00037158  00000-0  57370-2 0   204
2 20778   7.0233 126.5133 7289472 194.1161 124.2806  2.28456804   433
Cosmos 2099
1 20779U          90256.51740688 0.00177424  13433-4  17504-3 0   338
2 20779  82.3160 110.5106 0034187  72.0560 288.4717 16.09945846  2117
1990 079D
1 20781U 90079 D  90258.35995062  .00073804  00000-0  12024-1 0   135
2 20781   6.9814 128.7562 7270300 190.4565 126.7590  2.30729450   358
1990 073C
1 20782U 90 73  C 90263.57733413  .02668113 -59075-5  32827-3 0   367
2 20782  82.3173  98.8785 0009444 230.2081 130.6243 16.36173036  5669
Feng Yun 1B
1 20788U 90 81  A 90263.08835276 -.00002647  00000-0 -17740-2 0   265
2 20788  98.9370 297.4158 0009563 220.0560 140.8809 14.00446027  2399
PRC 31
1 20789U 90 81  B 90261.99643240  .00033080  00000-0  20963-1 0   243
2 20789  98.9341 296.4038 0027345 234.4706 126.2490 14.03481127  2244
PRC 32
1 20790U          90260.14387736 0.00016530           10715-1 0   208
2 20790  98.9406 294.5709 0018399 244.1244 116.9816 14.02538311  1981
1990 081D
1 20791U 90 81  D 90262.07941056  .00000783  00000-0  54382-3 0   329
2 20791  98.9370 296.4474 0010822 243.3888 116.6164 14.01193362  2245
1990 081E
1 20792U 90 81  E 90262.06891216  .00001485  00000-0  99354-3 0   105
2 20792  98.9418 296.4619 0015520 256.9421 103.0017 14.02131568  2241
1990 081F
1 20793U 90 81  F 90261.43455345  .00000432  00000-0  30931-3 0   113
2 20793  98.9373 295.8204 0014253 242.0113 117.9645 14.01377113  2159
RESURS-F9
1 20794U 90 82  A 90263.67750988  .00091449  28131-5  14652-3 0   260
2 20794  82.5728 163.6722 0009903 269.2133  90.7334 16.03447118  2126
1990 081G
```

```
1 20797U 90 81  G 90261.50674971  .00001247  00000-0  85046-3 0    58
2 20797  98.9328 295.8828 0010636 248.5864 111.4185 14.01336436  2162
1990 081H
1 20798U 90 81  H 90260.57701431  .00002057  00000-0  13832-2 0    61
2 20798  98.9350 294.9791 0009981 260.6054  99.3930 14.01502839  2034
1990 083A
1 20804U 90 83  A 90261.67953322 -.00000121  00000-0 -13606-3 0   131
2 20804  82.9371 107.5316 0035803 278.5058  81.2059 13.73409546   617
1990 083B
1 20805U 90 83  B 90263.42085695  .00011156  00000-0  11613-1 0   138
2 20805  82.9325 106.2376 0029773 261.4883  98.2901 13.75076385   858
1990 080D
1 20806U 90 80  D 90264.00819301  .01894019 -53363-5  58646-3 0   188
2 20806  82.3038 101.7030 0016387  38.5177 322.1534 16.26291134  3323
1990 080E
1 20807U          90259.17786647 0.10670221 -57189-5  17184-2 0    87
2 20807  82.3387 107.3463 0011223  64.2462 296.4325 16.33517051  2541
1990 080F
1 20808U 90 80  F 90258.15050415  .20969711 -15517-5  25700-1 0    31
2 20808  82.3217 108.6203 0095909 333.1192  25.7811 15.99153503  2385
1990 080G
1 20809U 90 80  G 90260.09401043  .18413636 -55138-5  73458-2 0    62
2 20809  82.2896 106.4406 0052474 323.1114  38.5027 16.19945626  2695
1990 080H
1 20810U 90 80  H 90258.81103668  .12654637 -55251-5  26318-2 0    42
2 20810  82.3197 107.8216 0018228  40.5406 325.8392 16.30551447  2491
1990 065C
1 20811U 90 65  C 90261.50702340  .00001152  00000-0  14431-2 0    75
2 20811  18.2919  24.9852 7119255 241.0751  31.5595  2.43429308  1345
1990 072C
1 20812U 90 72  C 90263.33852332  .00490227  00000-0  35766-2 0    40
2 20812  51.6127 210.2280 0024018 301.7158 124.0430 15.70908220  5667
--
Dr TS Kelso                          Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil         Air Force Institute of Technology
```

```
From -3971654862131534565
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,53b660ea7d8dc770
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 18:53:32 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!ucdavis!uop!quack!
mrapple
From: mrapple@quack.sac.ca.us (Nick Sayer)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio license...
Message-ID: <a65011.1a00@quack.sac.ca.us>
Date: 22 Sep 90 01:53:32 GMT
References: <9009191847.AA10456@emunix.emich.edu> <244@bongo.UUCP>
Organization: The Duck Pond, Stockton, CA
Lines: 17
Posted: Sat Sep 22 02:53:32 1990
```

```
julian@bongo.UUCP (Julian Macassey) writes:

> [...] You don't even have to be in the US or
>have a US address to take the exam. [...]

*BUZZZ*  Sorry, but thank you for playing. :-)

You must have an "official" station location within the jurisdiction
of the FCC. You don't actually have to have a station there, but you
must have an X drawn in the dirt that you can call your own somewhere
in the states, territories or protectorates.

--
Nick Sayer               |  Disclaimer:
N6QQQ [44.2.1.17 soon]   |    "Just because you're reading my post doesn't
mrapple@quack.sac.ca.us  |     mean we're gonna take long showers together."
209-952-5347 (Telebit)   |                      -- Gunnery Sgt. Thomas Highway


From 7610530827684774065
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,704790c62482b847,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 19:26:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Webster Smogpule III)
Newsgroups: rec.ham-radio
Subject: this net
Keywords: it ain't that bad
Message-ID: <37473@ut-emx.uucp>
Date: 22 Sep 90 02:26:00 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 36
Posted: Sat Sep 22 03:26:00 1990

BA01@SWTEXAS.BITNET (N5PQY) laments -
                  (edited, but not in a malicious manner)
>>It's extremely unfortunate to read the large number of messages from hams
>>who apparently have not only decided what the hobby means to them but have
>>decided that it should mean the same thing to all others.  For example,
                              (etc)
>>This sounds extremely elitist.  Hey, I know these folks don't know me and it's
>>probably not personal.  However, it is insensitive and it doesn't do anything
>>for the hobby...especially on a list like this which is subscribed to by many
>>different people.

>>What I got into ham radio for was the communication and the friendly
>>atmosphere -- not something you can (or are meant to) find on any other
>>communications service.  I wasn't interested in the technical aspect at the
>>time other than to operate my equipment safely and competently.

>>Bernie, N5PQY
```

Bernie - don't take it too seriously. Reading this net is a bit like tuning across the ham bands. There's a lot of funny noises, and different conversations going on about all sorts of aspects of the hobby. Do what you do on the bands, tune past anything that isn't to your liking, but listen to the stuff that interests you and join in if you feel like it. I've met some really nice people through the net, we correspond (mainly about DXing) on an almost daily basis. Just as the loudest signals on the air are not necessarily the people you want to work, you can ignore anything you want to on the net - works for me! This is a pretty friendly and helpful net on the whole, it's just a bunch of real people airing their views, which don't always interest all possible recipients. But don't take anything personally, it's rarely meant that way by anyone on this net!

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From -7718242668486241439
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1cc9e4f55fd8a487,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 20:14:53 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!mips!public!rah
From: rah@public.BTR.COM (Richard A Hyde rah@btr.com)
Newsgroups: rec.ham-radio
Subject: 2m to Mexico?
Message-ID: <445@public.BTR.COM>
Date: 22 Sep 90 03:14:53 GMT
Organization: BTR Public Access UNIX, MtnView CA, Contact: cs@btr.com 415-966-1429
Lines: 21
Posted: Sat Sep 22 04:14:53 1990

I suppose it is the "curse of the net" to have newcomers post the same questions over and over... but, since I can't seem to find a coherent answer elsewhere, here goes.

While I'm waiting for the FCC to process my paperwork (!), I'm shopping for a 2m handheld (which one to buy is another one of those questions.. but later, perhaps). My family and I will be traveling to Baja for the '91 eclipse and I'd like to use the rig while down there. Locating any holes in potential cloudcover would be the primary use, but its emergency potential would be a comfort too. I ramble.. so, what problems am I likely to encounter with the Mexican authorities? Will I need some sort of permit? Do I have to retake the code test in Spanish? :-)?

Thanks in advance!

-Rick-

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-----------------------------------------------------------------------------
|   Richard Hyde  |  RaH@btr.com  |        I don't need a disclaimer         |
-----------------------------------------------------------------------------
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From -2722731492522730789
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f62cbb6b61044a2e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 21:14:23 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Re: BASIC (was "antenna gain figures for QST")
Message-ID: <9009220414.AA21076@tilde>
Date: 22 Sep 90 04:14:23 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Sat Sep 22 05:14:23 1990

I realize that I may get flamed by the "real" programmers (the "Extra Class" of softwaredom), but here goes. BASIC isn't a "toy" language for the average joe who wants to do something with his computer without getting a CS degree. Because it is plain english (sort of), I can whomp out an occasional program that fits my needs. For my more advanced needs, I can look to the professionals. Looking down one's nose at BASIC users is tantamount to looking down one's nose at Novices.
Nomex suit on.
73,   Dube   N5PDK

From -8221587521814420891
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28d94a21786d54a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 21:17:56 PST
Path: gmdzi!unido!mcsun!uunet!husc6!rutgers!tut.cis.ohio-state.edu!ucbvax!cmr.LOCAL!rc
From: rc@cmr.LOCAL (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: International Call Sign Assignments
Message-ID: <9009211228.AA11511@cmr.ncsl.nist.gov>
Date: 21 Sep 90 12:28:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
     formerly National Bureau of Standards
Lines: 11
Posted: Fri Sep 21 13:28:50 1990

Actually: Aircraft IDs.

For a number of years I've been seeing an Air France 747 with an N....
registration! Presumably dryleased from some US outfit. The Air France
737s in the Carribean had N... registrations, but they have been replaced
by 727s with F.. registrations.   I recall hearing of some US local service
airline operating with G-registered planes until they got US certification.
Could this be true?

73, Bob W3OTC

From 2316364037731926563
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,212e6a4f46acd501
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 21:31:22 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!
THESIS1.HSCH.UTEXAS.EDU!jmaynard
From: jmaynard@THESIS1.HSCH.UTEXAS.EDU (Jay Maynard)
Newsgroups: rec.ham-radio
Subject: STS-35 delays and NASA-bashing
Message-ID: <9009211307.AA22241@ucsd.edu>
Date: 21 Sep 90 13:07:51 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18
Posted: Fri Sep 21 14:07:51 1990

All the current NASA-bashing is really getting to me...

Someone locally predicted that everyone would completely forget that the
current series of launch scrubbings would be for safety reasons, and would
instead focus on the fact that we'd scrubbed. From Jim Grubs' comments here,
as well as others I've heard just about everywhere I listen, they're completely
right.

_I_ am getting tired of the double standard here: first NASA is shot at for
trying to launch too quickly, and cutting corners on safety in the aftermath
of the Challenger accident, and then they're shot at for taking precautions
for safety reasons and delaying flights. You can't have it both ways!

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@thesis1.hsch.utexas.edu | adequately be explained by stupidity.
"It's a hardware bug!" "It's a   +--------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_

From -7487682344202220194
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b3cee7d7a9620ab6

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 21:51:41 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!uc!cs.umn.edu!svedberg
From: svedberg@cs.umn.edu (Eric J. Svedberg)
Newsgroups: rec.ham-radio
Subject: Re: ARRL BULLETIN 30
Message-ID: <1990Sep21.132352.6810@cs.umn.edu>
Date: 21 Sep 90 13:23:52 GMT
References: <160.26F6B806@w8grt.fidonet.org>
<1990Sep20.214118.19450@cunixf.cc.columbia.edu>
Organization: University of Minnesota, Minneapolis, CSci dept.
Lines: 24
Posted: Fri Sep 21 14:23:52 1990

cy5@cunixa.cc.columbia.edu (Conway Yee) writes:

>In article <160.26F6B806@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim
Grubs) writes:
>> >
>> > AT THIS TIME, THE BEST GUESS FOR THE NEXT LAUNCH DATE OF STS-35 IS
>>
>>Anybody besides me getting a bit embarrassed by this Chinese fire drill called
>>NASA????

>If what you mean by this statement is that you are embarrassed by the
>constant scrubs, then I would have to disagree. I would prefer to delay the
>launch than to see the thing blow up. It is much better to err on the
>side of caution.
>   Conway Yee, N2JWQ

   Well, you could say that. I think he meant that he's embarrassed by the fact
that we can't get a rocket in the air because of techincal problems, not because
it looks wimpy to cancel a launch.

eric

--
Eric J. Svedberg - University of Minnesota Computer Science System Staff
svedberg@cs.umn.edu - !rutgers!umn-cs!svedberg

From -8700190123417444112
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,671b3160836343eb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 23:46:53 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: SWBC harmonics on 10 meters
Keywords: SWBC SWL RFI harmonics 10meters
Message-ID: <8429@helios.TAMU.EDU>
Date: 21 Sep 90 15:26:30 GMT

References: <1990Sep20.174838.23661@cbnewsj.att.com>
Sender: usenet@helios.TAMU.EDU
Organization: Computer Science Department, Texas A&M University
Lines: 12
Posted: Fri Sep 21 16:26:30 1990

I wouldn't bash Radio Moscow to badly if I were you. Our own house isn't exactly clean.
When I lisved in Newburgh, NY, I used to be able to tell when the finals of a radio station in NE PA were going soft. Their 3rd harmonic at 4020 came in clear as a bell and interfered with various MARS operations along the east coast. You can only pick up the fundamental about 30 miles from the station so I would say that a 3rd harmonic that strong 250 miles (and more) is somewhat of a problem. Complaints were filed both with the FCC and with the applicable Military agencies. No action was ever taken to my knowledge.

bill   KB3YV

From -5960490526537307802
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,53b660ea7d8dc770
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 23:47:07 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio license...
Summary: licensing for foreigners
Message-ID: <259@ssc.UUCP>
Date: 21 Sep 90 06:59:12 GMT
References: <9009191847.AA10456@emunix.emich.edu>
Organization: very little
Lines: 17
Posted: Fri Sep 21 07:59:12 1990

In article <9009191847.AA10456@emunix.emich.edu>, rabbani@EMUNIX.EMICH.EDU (Daniel Rabbani) writes:
>   Are there any kind of restriction on non-immigrants (I
>   am here in the States on a student visa) applying for
>   a ham radio license?

No. None. All you need is a USA mailing address. No proof of citizenship is required.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW

USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -6847408684000359141
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-22 00:52:06 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!ub!
uhura.cc.rochester.edu!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: Novice operating in old days, was Re: Heatkit to be sold?
Message-ID: <40047@cci632.UUCP>
Date: 21 Sep 90 13:35:42 GMT
References: <122.26E9904B@w8grt.fidonet.org> <1250226@hpnmdla.HP.COM>
<2523@naucse.cse.nau.edu> <108167@philabs.Philips.Com> <1319@ke4zv.UUCP>
<12055@crdgw1.crd.ge.com>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 17
Posted: Fri Sep 21 14:35:42 1990

In article <12055@crdgw1.crd.ge.com> perley@galaxy (Donald P Perley) writes:

>Otherwise ARRL
>would get a pink slip, as they use that frequency for announcements and
>code practice.
>
>That in itself would keep anyone in the northeast from buying a 3.58
>(or 3.5795..) crystal for contacts.

But, that's one of my favorite tricks -- after W1AW is done, the
frequency is "clear" for a few moments, and lots of people haven't
finished reaching for the knob yet..._somebody_ will call CQ, and
if they don't, I sometimes do, and I've made a lot of WAS contacts
that way by calling CQ to a particular state.

See you in London!

Chris/WZ2B

From 784485902968356259
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,550cba8d8af4502e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-22 00:52:21 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Illinois law change affects hams

Message-ID: <30500741@ux1.cso.uiuc.edu>
Date: 21 Sep 90 16:29:00 GMT
Lines: 29
Nf-ID: #N:ux1.cso.uiuc.edu:30500741:000:1053
Nf-From: ux1.cso.uiuc.edu!phil   Sep 21 11:29:00 1990
Posted: Fri Sep 21 17:29:00 1990

SB-1550   KEATS

(Ch. 95 1/2, par 12-610)

Amends the Illinois Vehicle Code. Exempts from provisions which prohibit the wearing of headset receivers while operating a motor vehicle on a highway in this State, single sided headset type receiving and transmitting equipment used for providing two-way radio vocal communications by a person licensed to do so by the Federal Communications Commission. Effective Immediately.

SENATE AMENDMENT NO. 1

Provides a person may operate a motor vehicle while using a single sided (one ear) headset type receiving equipment if the person has an amateur radio operator license plate.

Mar 07 1990	First reading
May 08 1990	Amendment No. 01
May 09 1990	Passed 051-004-000
Jun 14 1990	Passed 115-000-000
Jul 12 1990	Sent to Governor
Aug 29 1990	Signed by Governor

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 3118337026224911213
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c9bfc77765ff87bb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-22 00:52:48 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!know!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!larry!sde
From: sde@larry.sal.wisc.edu (Scott Ellington)
Newsgroups: rec.ham-radio
Subject: 10 M Interference
Keywords: Interference
Message-ID: <1134@larry.sal.wisc.edu>
Date: 21 Sep 90 15:56:28 GMT
Organization: Space Astronomy Lab, Madison WI
Lines: 11

Posted: Fri Sep 21 16:56:28 1990

From my urban QTH, I consistently hear a number of closely spaced carriers centered on 28.500 MHz. They seem to be coming from several different directions. All are quite weak, but must be local since they are present even when the band is completely dead. Has anyone else heard these signals? Is there some consumer device that uses a 28.5 MHz oscillator? (These are REAL signals, not artifacts of my receiver, or anything like that.)

Scott Ellington, K9MA
sde@larry.sal.wisc.edu

From 7031143587431563709
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,550cba8d8af4502e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-22 02:01:52 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: Illinois law change affects hams
Message-ID: <8431@helios.TAMU.EDU>
Date: 21 Sep 90 17:08:16 GMT
References: <30500741@ux1.cso.uiuc.edu>
Sender: usenet@helios.TAMU.EDU
Organization: Computer Science Department, Texas A&M University
Lines: 3
Posted: Fri Sep 21 18:08:16 1990

The ACLU should have a field day with this one!!!!!

bill KB3YV

From -6104972749335375176
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1d631ae2f0306c28
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-22 05:01:25 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!zaphod.mps.ohio-state.edu!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: AEA's PK-88 TNC
Message-ID: <1346@ke4zv.UUCP>
Date: 21 Sep 90 14:04:13 GMT
References: <4532@crash.cts.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 24

Posted: Fri Sep 21 15:04:13 1990

In article <4532@crash.cts.com> mikey@pnet01.cts.com (Mike Shirley) writes:
>OK, I know I'm behind the times, but am taking the plunge into Packet Radio
>and am planning to fund it on a shoestring with the $120 PK-88 and an old Icom
>02AT 5W walkie. I have no initial interest in all the other goodies
>available from the PK-232.
>
>Oh ya, the question...is the 88 worth the money? Any experiences with the 88
>you'd care to pass along would be appreciated.

The PK88 is ok. Most TNCs are ok. We've used a lot of MFJ1270s in our network and have found out the little tricks to make them rock reliable at unattended sites. Currently we are installing only Pac-Comm Micropower Tiny 2 TNCs. They are very low power, have high integration, are cheap, and our reliability track record with them has been extremely good.

You may find that interfacing the Icom HT right is a little tricky. Implementing PTT properly on this series requires a careful choice of pulldown resistor and coupling capacitor to get both good frequency response and good PTT key up delay. The radio tends to key very slowly if you use too large a time constant and tends to have lousy audio if you use too short of a time constant. Start with a .1 mfd cap and a resistor in the 2-3 kohm range and adjust for best results.

Gary KE4ZV

From 6971759886359301663
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1cdf5617bf571116
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-22 05:07:09 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!cmr.LOCAL!rc
From: rc@cmr.LOCAL (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Abreviations for Units (Questions)
Message-ID: <9009211744.AA01345@cmr.ncsl.nist.gov>
Date: 21 Sep 90 17:44:19 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
     formerly National Bureau of Standards
Lines: 25
Posted: Fri Sep 21 18:44:19 1990

I earnestly seek comments on abreviations for some units we all commonly see:

Quantity	Unit	Abrev.	Remarks
storage capacity	binary character	bit	This doesn't look like an abreviation to me, but "b"

			is already used for "bar" or "barn". What else would you suggest?
storage capacity	byte (eight binary characters)	by	or would you rather have "octet" and "o"?
modulation rate	baud	Bd	named for Baudot
digit rate	digit per second	?	bit/s suggested, however what do you all think about naming it for Claude Shannon? Thus the unit would be the "shannon"; the abreviation would be "Sh".

Remember that these units and abreviations have to work in a lot of languages.

Tnx, 73 Bob W3OTC <rc@cmr-ncsl.nist.gov>

From 1684942820166654795
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca9c76cec0ea6d4e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,ca9c76cec0ea6d4e,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-09-22 05:12:42 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: RTX-2000, RS-14, P-III-D
Keywords: RTX-2000 DSP HELP Thanks
Message-ID: <778@idacrd.UUCP>
Date: 21 Sep 90 16:29:45 GMT
Organization: idacrd, princeton, nj
Lines: 18
Xref: gmdzi rec.ham-radio:15039 rec.ham-radio.packet:2808
Posted: Fri Sep 21 17:29:45 1990

Howdy:

Recently I place a call for help in getting development tools for the Harris RTX-2000. As I told you later, the response was great and I wish to thank one in particular. Tom Sefranek, WA1RHP, has made an indefinite loan of his RTXDS and development tools to AMSAT for the development of code for this engine. The RTX-2000 wil fly soon on RS-14 (RO-21 after launch) and on Phase III-D (the follow on to Oscar 13). AMSAT-NA, AMSAT-DL, and well all of us thank Tom for this kind loan.

Bob McGwier
<N4HY>

```
--
---------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
---------------------------------------------------------------------------
```

```
From 547749282403781373
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9878d8b3174280b6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-22 05:44:19 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Webster Smogpule III)
Newsgroups: rec.ham-radio
Subject: QSL info
Keywords: 7X3DA, UM8MBA
Message-ID: <37446@ut-emx.uucp>
Date: 21 Sep 90 17:45:54 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 65
Posted: Fri Sep 21 18:45:54 1990
```

beams@norvax.UUCP (David Beams) asks about QSL information:

--The mailing address for 7X3DA was reported in an earlier issue of the W6GO QSL Managers List (issue 125, I think). Does anyone have access to this list who could e-mail me the address?

The address in the W6GO/K6HHD Managers' List is:
A. Djoudi, Box 1033 LM, Laghouat 03000, Algeria.

The address on his QSL card is:
Abdelhamid Djoudi,
Avenue des Freres Menouar,
Lotissement Bouameur,
03000 Laghouat (Algeria).

--I recently worked UM8MBA who requested that QSLs be sent direct. My '89 Callbook has no address for him; does his address appear in the '90 edition?

I also have a card from him, it came via the bureau (not in response to mine, although I sent one that way). The only address on the card is your friend and mine, Box 88 Moscow. His address in the '90 CB is:

Ivan Udovin, Box 745, 720017 Frunze.

I have also found W3HNK very helpful in getting some USSR cards. Send him your card, an SASE (25c stamp) and $1, and he can often get the card for you. Some come quickly, some come slowly, some never come, but that is not his fault. The Managers' List sepcifically mentions that W3HNK can get "any UM8 card".

--And, on the subject of QSLs sent direct to the USSR: what does
one include for return postage? Does the USSR now exchange IRCs? Or
is it customary not to provide return postage for a direct QSL into the
USSR? I have never sent a direct QSL to the USSR; I always used Box 88.

If you send anything direct to Box 88, make it just a card (no IRCs, no filthee Yankee money - that can cause trouble for the cardee). I have sent IRCs to the USSR many times and they are clearly acceptable, since I nearly always get a card in response. I suspect that the IRCs are used to send to other (non-USSR) hams so that the USSR guys themselves can collect DX cards. I have had USSR hams tell me that they received my card without the IRCs originally enclosed; in cases like this they always send me a card anyway, and I always send them a couple more IRCs. They then sometimes write to tell me that the second lot reached them OK! However, I don't think they can obtain IRCs by going along to the local post office, so they are probably not directly cashable there. One thing you could try is to offer to get a card or two from a US manager for the USSR guy if he is a DXer.

--This question may appear rather juvenile to the more-avid DX enthusiasts
of the net community, but I am an occasional DX'er and my most formative
DX experiences came in the years when Box 88 was the *only* way to get a
QSL into the USSR.

Seems a perfectly sensible question to me. The net has some Big Time DXers on it, some novice DXers and lots of people in between. I regard answering some of these queries as serving the Public Service aspect of my license :-)

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From -4473705336241439993
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1cdf5617bf571116
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-22 06:03:41 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: Abreviations for Units (Questions)
Message-ID: <45023@apple.Apple.COM>
Date: 21 Sep 90 18:29:06 GMT
References: <9009211744.AA01345@cmr.ncsl.nist.gov>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 31
Posted: Fri Sep 21 19:29:06 1990

rc@cmr.LOCAL (Robert Carpenter) writes:

>I earnestly seek comments on abreviations for some units we all commonly
>see:

```
>Quantity                  Unit         Abrev.       Remarks
>---------------------------------------------------------------------
>storage capacity    binary character    bit   This doesn't look like an
>                            abreviation to me, but "b"
>                            is already used for "bar" or
>                            "barn". What else would you
>                            suggest?
```

"bit" sounds good. And it *is,* afterall, already a contraction from
"binary digit." An early mention of this appears in Shannon's 1948 paper.

```
>digit rate          digit per second     ?    bit/s suggested, however what
>                            do you all think about naming
>                            it for Claude Shannon? Thus
>                            the unit would be the "shannon";
>                            the abreviation would be "Sh".
```

Hurray! This is a grand idea. Claude E. may finally get a unit named
after him! Now, Bob, all you need is to find something to name after
Nyquist, too. 1/2 :-)

73,
Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From 4009317891008180286
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca9c76cec0ea6d4e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,ca9c76cec0ea6d4e
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-09-22 10:13:52 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: RTX-2000, RS-14, P-III-D
Keywords: RTX-2000 DSP HELP Thanks
Message-ID: <45030@apple.Apple.COM>
Date: 21 Sep 90 20:15:58 GMT
References: <778@idacrd.UUCP>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 28
Xref: gmdzi rec.ham-radio:15044 rec.ham-radio.packet:2809
Posted: Fri Sep 21 21:15:58 1990

In article <778@idacrd.UUCP> mac@idacrd.UUCP (Robert McGwier) writes:
>Recently I place a call for help in getting development tools for the Harris
>RTX-2000. As I told you later, the response was great and I wish to
>thank one in particular. Tom Sefranek, WA1RHP, has made an indefinite
>loan of his RTXDS and development tools to AMSAT for the development of code
>for this engine.

Uh, Bob, what's an RTX-2000? I see the phrase "DSP" in your keywords, so maybe it's a DSP microprocessor? If so, what will it do on the satellites?

>The RTX-2000 wil fly soon on RS-14 (RO-21 after launch)

This is the first time I've seen a Soviet ham satellite called anything other than "RS" when it's in orbit. Why will this one be called "RO"? What does that stand for? And why "RO-21" when the current transponders are RS-10/11? (I guess RS-12/13 is still waiting in the wings?)

Patty

```
--
****************************************************************************
Patty Winter N6BIS                        INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                     UUCP: {decwrl,nsc,sun}!apple!winter
****************************************************************************
```

From 473639837642711459
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f6e5ed66c5c9a02,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-22 12:38:12 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!bgsuvax!steiner
From: steiner@bgsuvax.UUCP (Ray Steiner)
Newsgroups: rec.ham-radio
Subject: High speed CW
Message-ID: <6286@bgsuvax.UUCP>
Date: 21 Sep 90 19:56:54 GMT
Organization: Bowling Green State University B.G., Oh.
Lines: 11
Posted: Fri Sep 21 20:56:54 1990

I have been off the air for many years and have been thinking about getting on again. Back in the 1960's(when I last operated) there were weekly sessions of high-speed code practice(usually 40-65 wpm) sent out by several stations with proficiency qualifiers every month or so. Are there any stations(other than the usual practice from W1AW) which still send high

speed code practice?
Ray Steiner W8JIC

--

steiner@andy.bgsu.edu

From 4407606371236486213
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,212e6a4f46acd501
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-22 14:33:17 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: STS-35 delays and NASA-bashing
Message-ID: <1347@ke4zv.UUCP>
Date: 22 Sep 90 13:45:04 GMT
References: <9009211307.AA22241@ucsd.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 34
Posted: Sat Sep 22 14:45:04 1990

In article <9009211307.AA22241@ucsd.edu> jmaynard@THESIS1.HSCH.UTEXAS.EDU (Jay Maynard) writes:
>
>_I_ am getting tired of the double standard here: first NASA is shot at for
>trying to launch too quickly, and cutting corners on safety in the aftermath
>of the Challenger accident, and then they're shot at for taking precautions
>for safety reasons and delaying flights. You can't have it both ways!

Sure you can Jay. Shoddy workmanship and poor design lost Challenger after NASA cut safety corners due to launch pressure. Shoddy workmanship and poor design have caused numerious launch scrubs after NASA started paying attention to safety again. The problem is still shoddy workmanship and poor design either way.

There is plenty of blame to go around. Congress is at fault for an erratic budget process that played hell with the design of the shuttle. The current shuttle is certainly not the shuttle NASA wanted to build. The contractors are certainly at fault for letting bottom line pressure cause shortcuts in the design and manufacturing process. And don't forget that Rockwell contract employees, not NASA employees, prep the shuttle for launch since budget cutters decided to privatize launch services to the lowest bidder.
NASA is at fault for continuing to beat a dead horse.

The shuttle was originally sold as a way to reduce the OPERATIONAL costs of launching things into space. Unfortunately, political decisions were made in Congress to cut the design and procurement costs instead. This resulted in a vehicle that is not cheap to OPERATE nor safe to OPERATE nor reliable to OPERATE.

Bandaids aren't going to solve this problem. It's time for NASA to claim that the EXPERIMENTAL shuttle has been a sucess in teaching us what not to do and now it's time to start over with a clean sheet of paper to design a real, workable, operational shuttle.

Gary KE4ZV

From 4191510275618457096
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2862ba03294dc91c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-22 15:04:57 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Radio Propagation and Nuclear Winte
Message-ID: <30500743@ux1.cso.uiuc.edu>
Date: 22 Sep 90 18:16:00 GMT
References: <9009181856.AA27614@ucsd.edu>
Lines: 19
Nf-ID: #R:<9009181856.AA27614@ucsd.edu>:-29:ux1.cso.uiuc.edu:30500743:000:926
Nf-From: ux1.cso.uiuc.edu!phil   Sep 22 13:16:00 1990
Posted: Sat Sep 22 19:16:00 1990

One nuke will not cause a nuclear winter. Many have been explode above ground since the 1940's and there is no nuclear winter. The problem that could cause that is a massive release of enormous numbers of the larger ones that exist now.

One nuke WILL cause a WAR. That will result it shutting down of ham radio and resultant military conflict. That conflict might be massive nuclear and could result in nuclear winter and shutting down of government. What will result, if anyone is left, is PIRATE radio.

The original question about the effect of nuclear winter on propogation is fine and applicable in such a context.

We can speculate on what will happen, but I don't think we will know what actually will happen unless we get this scenario to try things out on.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -2654874137300002656
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b3589e1a6da13ac
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-22 15:05:58 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!

ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: hand held xcvr vs airport security
Message-ID: <30500744@ux1.cso.uiuc.edu>
Date: 22 Sep 90 18:23:00 GMT
References: <3050@mrsvr.UUCP>
Lines: 6
Nf-ID: #R:mrsvr.UUCP:3050:ux1.cso.uiuc.edu:30500744:000:263
Nf-From: ux1.cso.uiuc.edu!phil   Sep 22 13:23:00 1990
Posted: Sat Sep 22 19:23:00 1990

With talk now of Iraqi based terrorism, expect to see at least some increase
in the level of security check.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 617094769092603319
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8a942d0e5e82c06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-22 15:06:17 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!
zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!
phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: POSTING PROGRAMS TO THIS NET
Message-ID: <30500745@ux1.cso.uiuc.edu>
Date: 22 Sep 90 18:44:00 GMT
References: <9009191738.AA29900@ucsd.edu>
Lines: 52
Nf-ID: #R:<9009191738.AA29900@ucsd.edu>:-29:ux1.cso.uiuc.edu:30500745:000:2323
Nf-From: ux1.cso.uiuc.edu!phil   Sep 22 13:44:00 1990
Posted: Sat Sep 22 19:44:00 1990

This ham radio discussion group is as widespread as it is just because we
are addressing (nearly) the lowest common denominator. If someone wants
to address only those running a higher level of software perfection, then
I suggest you create your own network and let us know how well it does.

What might be to you as excellent quality software might not even work
on some other platform, and might be very unfriendly in other regards
such as customizing the user interface.

The solution to this problem is quite a simple one:

If you have public domain or freeware software to distribute:

1. Announce about it on the appropriate topical group, describing what it does and where it can be obtained. Keep its size to the limit used by other items on the newsgroup.

2. Make it available by as many of the following means as you can:

    a. Post it on the appropriate software distribution newsgroup. If your site does not have access to these groups, maybe you can contact someone who can post it for you.

    b. Make it available for FTP access. If you have FTP client access only, FTP it to vmd.cso.uiuc.edu (cd phil.512) and leave it there. Everyone has write/delete privileges. If you have no FTP access, maybe you can E-mail to someone who does.

    c. Make it available on an E-mail based fileserver if you have access to one.

    d. Offer to email to anyone requesting it if you have the time and resources to do this. Urge that requests be E-mailed rather than posted.

    e. If you are willing, offer to smail-mail the software on the appropriate media, in exchange for cost of time and materials.

    f. Submit copies to distributors of public domain software (with a signed release stating you are releasing it to the public domain).

    g. Send copies to applicable magazines. They might write a review of it.

DO NOT post the actual software to a talk newsgroup unless it is very short (under 72 lines might be a good limit).

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -6371322423669574544
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e26e76766a9ed95a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-22 15:06:28 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Band planning, packet, ATV, FM, etc
Message-ID: <30500742@ux1.cso.uiuc.edu>
Date: 22 Sep 90 17:41:00 GMT
Lines: 61

Nf-ID: #N:ux1.cso.uiuc.edu:30500742:000:2853
Nf-From: ux1.cso.uiuc.edu!phil   Sep 22 12:41:00 1990
Posted: Sat Sep 22 18:41:00 1990

[copied over from rec.ham-radio.packet due to general applicability]

> >The ARRL national bandplan has ATV in 438-444 Mhz and FM repeaters in 442-445
>   ^^^ this is the problem... ^^^
> The official band plans overlap by 2 Mhz... Why I feel 1 ATV pair in 440
> is good enough. I think there is enough room also for a simplex freq also.
>
> I have no problems with 438-442, if it is used appropriately. I still think
> split freq is better.

What is a good alternative? The "usual" bandwidth is 6 Mhz when the suggested vestigial sideband is used. You could trim things even tighter, but no one makes anything to do that yet, and the best you could hope for would be about 4.8 MHz. Suggest a place to fit that in.

> AEA is one of the culprits. From what I understand, the AEA unit will
> not work on a non-interefence basis below 442. (IE, it's output will
> still be in the FM band.) This is from a discussion with several hardcore
> ATV'ers at Dayton.

No, AEA is NOT the culprit, but rather the culprit is the bandplan which puts the carrier at 439.25 MHz and that will generate signals all the way up to nearly 444 MHz even if the filtering is working correctly.

> I asked how I could run an ATV rptr in my area, while coexisting with 443+
> fm rptrs. They named one unit that would work. It was not AEA. They liked
> AEA package & price, but indicated it did not filter as well as it should.
> This is their viewpoint. I would be interested in knowing more, as the AEA
> will prob be the most popular.

The AEA unit may or may not be filtering well, but even with a theoretically perfect filter, you will be affecting more than half of one side of the FM repeater subband.

> Actually, the ATV rptr output is usually the higher freq, due to not
> having the FM rptrs key it up. The ATV rptr will be the one needing the
> extra filtering. Is this correct?

Probably.

> >If I do a repeater it would be on the higher bands. But I would be using
> >70cm for ATV DXing because that is where everyone is. Remember, "low bands
> >are for DX-ers" :-)
>
> Ok by me... ATV simplex seems like weak signal to me.. I do think we need
> to use the 420-440 area more.

Not everyone can use that. Remember that 420-430 is not available in all parts of the country. Try fitting just ONE ATV channel in 430-450 MHz that can be used for repeater operation. You do NOT want to put it on 432 MHz and you cannot put it on 435-438 MHz.

The 70cm band is currently very poorly fragmented.

This issue, while being certainly packet related since packet needs to definitely deal with coordination problems, should be moved over to the main rec.ham-radio group.

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<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -4074191623280987015
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2862ba03294dc91c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-22 17:28:51 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: Radio Propagation and Nuclear Winte
Message-ID: <12102@crdgw1.crd.ge.com>
Date: 22 Sep 90 22:46:32 GMT
References: <9009181856.AA27614@ucsd.edu> <30500743@ux1.cso.uiuc.edu>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 18
Posted: Sat Sep 22 23:46:32 1990
In-reply-to: phil@ux1.cso.uiuc.edu

In article <30500743@ux1.cso.uiuc.edu>, phil@ux1 writes:

>One nuke WILL cause a WAR. That will result it shutting down of ham radio
>and resultant military conflict. That conflict might be massive nuclear
>and could result in nuclear winter and shutting down of government. What
>will result, if anyone is left, is PIRATE radio.

How do you know ham radio would be shut down? It was during WWII. Since then the US has been in several situations that weren't "official", but sure seemed like wars (ie Viet Nam, Korea) without pulling priveledges.

If there is a nuclear war, I don't think cancelling ham radio will be a high priority action item in the 2 hour war scenario.

-don perley - ke2tp
perley@trub.crd.ge.com

From -4487440180618063838
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84b6057689bb4273,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-22 17:56:29 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 Filing
Message-ID: <30500746@ux1.cso.uiuc.edu>
Date: 22 Sep 90 19:33:00 GMT
Lines: 126
Nf-ID: #R:<9008102041.AA06871@cmr.ncsl.nis:-38:ux1.cso.uiuc.edu:30500746:000:6736
Nf-From: ux1.cso.uiuc.edu!phil   Sep 22 14:33:00 1990
Posted: Sat Sep 22 20:33:00 1990

> Others also complained of my lack of statistical rigor. I admit to not
> considering the code/no-tech and tech/no-code combinations, since there is no
> US experience (see below). I omitted one or two no-code/no-tech (unlicensed)
> people from the AMSAT and CSVHF numbers, sorry.
>
> I suspect that the data, not my lack of rigor, displeases you.

That, too.

> I don't think I ever claimed that high-tech people are ATTRACTED to ham
> radio by the 13- 20-wpm CW requirement, but I do think that I demonstrated
> that amateur radio technical leaders usually are proficient in CW.
> Are you unwilling to concede this?

What you phrased may be correct, but this is how statistics is manipulated.

You state "...amateur radio technical leaders..." which implies those who are ALREADY involved in amateur radio. Whether or not I concede, and whether or not your statistics are correct, does not even matter since the issue is NOT how to get currently licensed hams to gain a code proficiency.

The issue is how to get people who are NOT now licensed hams into being licensed hams and eventually becoming "amateur radio technical leaders" (among other things).

It is asserted by us no-coders that there is a group of people out there who would become hams if the code restriction were lifted, such as by having a new license class w/o a code requirement. While this assertion has not been proven, it is not disproven either, and methods of studying it statistically would be too expensive anyway (one would have to survey a significant portion of the whole population).

Clearly, if the above assertion is correct, and if such a licensing system is enacted, and if lots of these people become "amateur radio technical leaders", then the statistics regarding the level of code proficiency will change. There will be more of them who don't know code at all.

So the CORRECT way (we believe) to phrase the statistical question would be more like:

> What is the potential CW proficiency of the combined population of current "amateur radio technical leaders" and potential "amateur radio technical leaders"? And does it matter?

The CW test acts as a filter. Your statistics studied the characteristics of those who pass the filter and ignore those who are rejected by the filter. Additionally it ignores those who avoid the filter for whatever reasons such as being confused about what ham radio really is since it still requires a Morse Code test (seen as antiquated by many) or standing on principle of just not attempting to do something that has no bearing or relationship to what they might do as "amateur radio technical leaders".

While the points about why people don't or can't become hams are arguable, it remains a fact that there are people who are not hams for reasons they believe to be applicable and appropriate.

The statistics that would make more sense in determining what to do would be ones that study the people who will become hams under proposed changes, and those who won't or can't under proposals to stop or limit such changes.

Many of the current "amateur radio technical leaders" are proficient in CW and this I will concede. But I do not concede that such a fact is important to the issue since I believe it to be irrelevant.

> I had expected that Technicians would show up in much greater numbers.
> If I had found that any substantial number of the technical leaders were
> Techs or Novices, I would agree that CW is so offensive to techies that they
> just learn the barest minimum CW and it is a serious hurdle. Do you suppose
> that the distribution is bimodal - most high-tech hams find CW no big deal,
> but most high-tech non-hams are kept out of ham radio by the code?

One of the things that it shows is that once one does overcome the hurdle of CW, that it shows that those who are "amateur radio technical leaders" tend to find that HIGHER SPEEDS are not a hurdle.

But still, your statistics DO NOT address those who have not overcome the hurdle nor those who refuse to "jump through the hoops". And it is THESE people we are trying to address in no-code proposals.

If the issue was one of lowering the CW requirement for EXTRA down to just 5 WPM, then your statistics would be good evidence that such a thing should not be done because it shows that those who already pass 5 WPM can, in at least some numbers, go on up to 20 WPM. I believe that I can do it, though I have not done it.

In any event, those interested in doing their technical leadership on the VHF/UHF/SHF/EHF bands, where most technical pioneering is taking place, are not benefitted at all by the privileges of the Extra class license.

> The British have issued no-code licences since 1964.   Has their
> no-code licence brought in a lot of techies? I looked through the Feb, Mar,
> Apr, May, Jun and Aug 1990 issues of Rad Com (the main G ham mag) (can't find
> July) and find the following breakdown of authors of their (generally good)
> technical articles:
>   Class A (code)   18
>   Class B (no-code)   1   (~ half of all G's are Class B)
>   Unsigned Q&A Article   1
> Also, the Brits are so concerned about the aging of
> THEIR ham population that they have announced Novice licencing.
> I'm not convinced that the British no-code licence has brought in either:
> 1) lots of young people, 2) lots of high-tech people.

A no-code license ALONE certainly will NOT make any such achievements,
either in Great Britain, or in the United States. It **MUST** be combined
with the appropriate promotion of amateur radio to those who would be
such technical people, as well as the general acceptance if such licensees
on the part of all other hams.

In my efforts to recruit people to ham radio, the greatest stumbling block
is in justifing the code test (which I cannot do) to someone who is convinced
that they are not going to use code. I've already posted my scenario of how
I try to do this, where I explained how I learned and forgot code, and found
the potential ham arguing the merits of trying to learn something you expect
to forget. I cannot justify it.

The people I have tried or considered recruiting are not all the technical
types, but are people who would make some contribution. They won't be
developing digital signal processing technologies to make HT moon-bounce
possible. They might put up a digipeater in a useful location. They won't
be writing articles in a technical ham radio journal. They will, instead,
be helping us conduct local emergency radio communications.

Tell me you DON'T want these people.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -2514488188345477584
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a0b4df795b10199
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-22 19:16:24 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Limited Space Antennas
Summary: G5RV, Zepp, Dipole
Message-ID: <264@ssc.UUCP>
Date: 22 Sep 90 16:41:21 GMT
References: <22480016@hpcuha.HP.COM> <7880285@hpfcdc.HP.COM>
Organization: very little

Lines: 39
Posted: Sat Sep 22 17:41:21 1990

In article <7880285@hpfcdc.HP.COM>, perry@hpfcdc.HP.COM (Perry Scott) writes:

> Re: dipoles
>
> 70' is almost ideal for a 1/2-size G5RV. It's mostly resonant, so you may avoid buying a transmatch. It is resonant on 40, 20, 15, and 10. As a novice, I don't think you can use 20 and 15 CW, but it gives you incentive to upgrade to tech. :)
>

Better than that....feed the center of the 70 foot dipole with open wire line or twinlead (the 450 ohm transmitting type ladder line is neat) and tune it with an antenna tuner that has a balanced output. You then have the classic center-fed Zepp antenna.

70 feet is not really half of a G5RV, as the G5RV is 102 feet long. The G5RV is really a special case of the center-fed Zepp, with convenient length and matching sections so that it will operate on all bands. Feeding it with twinlead and a tuner is a lot less lossy and a lot less tricky to set up.

The classic length for the center-fed 80-10 mtr Zepp is 120 feet, but you can make it any convenient length. It probably works best if the length at least approaches 1/2 wavelength on the lowest frequency. The open wire type feed has such low loss that almost any mismatch at the feedpoint can be matched with a balanced tuner in the shack, with little loss of efficiency. This trick does not work with coax.

Oh, and one more thing....Novices can use 15 CW, and upgrading to Tech makes no difference.....Novice and Tech allocations on HF are the same.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -5218192529195838657
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,53b660ea7d8dc770
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-22 21:56:50 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio

Subject: Ham radio license...
Message-ID: <167.26FBFBFB@w8grt.fidonet.org>
Date: 23 Sep 90 04:14:27 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 28
Posted: Sun Sep 23 05:14:27 1990

```
 > From: tad@ssc.UUCP (Tad Cook)
 > Date: 21 Sep 90 06:59:12 GMT
 > Organization: very little
 > Message-ID: <259@ssc.UUCP>
 > Newsgroups: rec.ham-radio
 >
 > In article <9009191847.AA10456@emunix.emich.edu>,
 > rabbani@EMUNIX.EMICH.EDU (Daniel Rabbani) writes:
 > >       Are there any kind of restriction on non-immigrants (I
 > >       am here in the States on a student visa) applying for
 > >       a ham radio license?
 >
 > No. None.  All you need is a USA mailing address.  No proof of
 > citizenship is required.
```

I thought you had to be a Citizen or Permanent Resident Alien, which leaves out tourists, students, etc., who presumably have to go the reciprocal agrement route????

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ___________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From -1032850782109102979
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,212e6a4f46acd501
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-22 21:56:55 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!mailrus!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: STS-35 delays and NASA-bashing
Message-ID: <168.26FBFC01@w8grt.fidonet.org>
Date: 23 Sep 90 00:03:16 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 36
Posted: Sun Sep 23 01:03:16 1990

> From: gary@ke4zv.UUCP (Gary Coffman)
> Date: 22 Sep 90 13:45:04 GMT
> Organization: Gannett Technologies Group
> Message-ID: <1347@ke4zv.UUCP>
> Newsgroups: rec.ham-radio
>
> In article <9009211307.AA22241@ucsd.edu>
> jmaynard@THESIS1.HSCH.UTEXAS.EDU (Jay Maynard) writes: > >_I_ am getting
> tired of the double standard here: first NASA is shot at for
>
> Bandaids aren't going to solve this problem. It's time for NASA to claim
> that the EXPERIMENTAL shuttle has been a sucess in teaching us what not
> to do and now it's time to start over with a clean sheet of paper to
> design
> a real, workable, operational shuttle.

Precisely my point. It is not the question of whether NASA is too quick or too slow at scrubbing for safety reasons, it's the fundamental management flaw in start to finish quality control.

I think it is too easy to blame Congress. They didn't knowingly do a poor job. They did the best they could with the sense they were able to make of the deliberate snow job NASA did on them.

Why shouldn't we bash NASA? They deserve it. This is no time for sweeping things undeer the rug.

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--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From -5530850763839409586
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc9367b76da04dc5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-23 02:55:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!usc!snorkelwacker!apple!motcsd!mcdcup!mcdhup!mcdchg!tellab5!laidbak!obdient!vpnet!akcs.dunnbri
From: akcs.dunnbri@vpnet.chi.il.us (Brian Dunn)
Newsgroups: rec.ham-radio
Subject: Packet Games
Keywords: packet games
Message-ID: <26fc6203-69arec.ham-radio@vpnet.chi.il.us>
Date: 23 Sep 90 09:55:02 GMT
Lines: 10
Posted: Sun Sep 23 10:55:02 1990

Is it legal for a packet radio station to run 'online games'? If so, has
anyone prepared any games for use with packet radio?

The ability to have up to 16 connections to the same machine at one time
makes for some interesting possibilities...

I'm reasonably close to finally getting a ham license, and the answer to
these questions will partly determine whether I start off with HF or VHF.

Does anyone get a little nervous at the thought of packet games filling the
frequencies???

From -5751265230362190120
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,53b660ea7d8dc770
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-23 15:08:22 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!usc!
pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio license...
Message-ID: <27263@usc.edu>
Date: 23 Sep 90 21:59:48 GMT
References: <167.26FBFBFB@w8grt.fidonet.org>
Sender: news@usc.edu
Organization: EE-Systems, USC, Los Angeles
Lines: 15
Posted: Sun Sep 23 22:59:48 1990
Nntp-Posting-Host: pollux.usc.edu

In article <167.26FBFBFB@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim
Grubs) writes:
> > No. None. All you need is a USA mailing address. No proof of
> > citizenship is required.
>I thought you had to be a Citizen or Permanent Resident Alien, which leaves
>out tourists, students, etc., who presumably have to go the reciprocal
>agrement route????

Nope. The original poster was correct. You don't have to be a citizen.
You don't have to be a permanent resident. You can be a tourist or a
student. The only restriction is you can't be a representative of
another government. (We shouldn't be concerned about tourists, but
maybe a restriction against terrorists would be good! :-)

--
Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From 9038593149537639445
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,b1ba945fa99b861e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-23 18:52:42 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: Why is aviation radio AM?
Message-ID: <249@bongo.UUCP>
Date: 24 Sep 90 01:52:42 GMT
References: <144.26F06414@w8grt.fidonet.org> <241@bongo.UUCP> <1990Sep21.025316.1069@cbnews.att.com>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 51
Posted: Mon Sep 24 02:52:42 1990

In article <1990Sep21.025316.1069@cbnews.att.com>, res@cbnews.att.com (Robert E. Stampfli) writes:
>
> > In article <1990Sep15.042855.19812@cbnews.att.com>, res@cbnews.att.com (Robert E. Stampfli) writes:
> > >
> > > Agreed as to the first part. However, it is simply not true that AM is a
> > > world standard. It is a US standard. There are plenty of places in the
> > > world where FM is the standard for VHF aeronautical communications.
> > Stuff deleted for brevity.
>
> I am the poster of the original note. Last year, I took a trip to New
> Zealand, and had the opportunity to take a small plane from Queenstown to
> Milford Sound. I spent some time chatting with the pilot and ATC people.
> (It was very informal at Milford Sound -- they get about a half-dozen planes
> a day there, and let me up in the tower.) Since I am a ham, I inquired
> about their radio gear. They use VHF FM and a lot of HF SSB over there.
> (New Zealand is mountainous in places, making VHF almost unuseable.)
> I was led to believe it is a standard not only for New Zealand, but for
> the Australian arena as well. When I mentioned we still used AM for ATC
> back in the States, they were dumbfounded -- holding the opinion it was
> an outmoded and inferior standard. They said New Zealand had converted to
> FM years ago.
>

Ah, New Zealand. So now we have a named country that is supposed to use FM in the aviation band. A lead I can follow up on. Time to work some DX and get this confirmed. So I reach over and grab my 2500 set (AT&T of course, none of this imported stuff). Dialing 011649NNNNNNN I call Ian Ashley, ZL1AOX in Auckland. This is the ZL1AOX of Amsat fame. He is at work, so his Mrs tells me he will be back after lunch.

Ian is a senior pilot at Air New Zealand. A pilot and radio amateur, who better to answer the FM in the air bands question. I asked Ian if they used FM in the Anitpodes. He was to say the least, dumbfounded. He said that the airbands use AM all over the world, even in New Zealand. Yes, on HF, it is now SSB, but all the VHF stuff is AM. Ian flew domestic Air New Zealand flights for years. He now flies internationally. Next month he will be flying out of LAX (Los

Angeles) until December.

He agreed, that having some areas FM and some AM would require all planes flying internationally to carry an FM radio, just in case.

So it appears, that AM is the world standard still. Maybe the ATC in NZ assumed his radio was FM, assuming that FM means VHF, as it does to many people.

Ian did also say that some carriers may use FM business band for company messages air to ground, but all ATC "Air Band" stuff is AM.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From -246705860202535920
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd65e8894d207093,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,3736f18d07f388ff
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-09-23 18:56:37 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!dali.cs.montana.edu!
milton!uw-beaver!ubc-cs!alberta!aunro!aupair.cs.athabascau.ca!lyndon
From: lyndon@cs.athabascau.ca (Lyndon Nerenberg)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Distributing newsgroups on AM radio?
Keywords: strange idea
Message-ID: <303@aupair.cs.athabascau.ca>
Date: 24 Sep 90 01:56:37 GMT
References: <108351@philabs.Philips.Com> <286@aupair.cs.athabascau.ca>
<183@edgar.mn.org>
Organization: Athabasca University
Lines: 138
Xref: gmdzi rec.radio.shortwave:2238 rec.ham-radio:15190
Posted: Mon Sep 24 02:56:37 1990

I've received about 15 requests for this info, so far. It's getting a bit out of date, so I suggest you contact Norsat for current info.

Note that I don't use their product or services. From what I can see in the B.C. map files, they don't have the greatest Usenet connectivity. (They don't appear in Brian Reid's top 1000 sites, either.) I've edited as much of the commercial hype out of this as I could without loosing too much of the technical info.

They broadcast on ANIK-D1 and GE-K2.

What MICROSAT II is:

MICROSAT II is an audio/video/data satellite receiver you can install in an XT/AT bus personal computer. By integrating several functional units onto a single PC expansion card, and using the computer for control and data capture, Microsat brings reduced cost and size of satellite downlink equipment to users of satellite communications.

You don't need an external satellite receiver to use MICROSAT II or to receive data directly to your computer, MICROSAT does that for you!

What MICROSAT II does:

With an appropriate antenna/LNB, Microsat can be tuned to receive signals at any frequency in either C or Ku Band. The tuning functions are controlled directly from the computers bus, or can be set in hardware to ignore the PC's commands. Video and stereo audio outputs are provided, and data received is routed to an RS-232 standard serial port.

What you receive using MICROSAT II:

Satellite TV broadcasts, stereo radio stations carried on subcarriers, VC-II encoded broadcasts (when equipped with a VC-II descrambler).

The full USENET news broadcasts including ... alt, bionet, biz, can, comp, control, general, gnu, misc, net, news, pubnet, rec, sci, soc, talk, to, u3b, unix-pc and vnet.

What Hardware Is Required:

MICROSAT II and CYCLONE work best together in a computer with at least:

1 AT/XT Bus computer,	(standard PC)
1 hard drive	(10 Meg or more)
1 video card	(most types supported)
1 asynchronous serial card	(standard RS232)
1 satellite dish	(for C or Ku Band)
1 MICROSAT	
1 floppy drive	(for the distribution diskettes)
or	
1 modem	(fetch software via BBS or uucp)

What Operating Systems are supported:

Currently "DOS" version 2.11 or higher is required for the CYCLONE receive software, while the transmit software runs under SCO XENIX 2.3.1.

A UNIX version of the CYCLONE receive software is scheduled for release mid-August 1989.

What Software Is Provided:

The MICROSAT II comes complete with the CYCLONE receive software, which depacketizes the satellite data and performs the forward error correcting and detecting functions. Data integrity is ensured by standard CRC-32 error detection algorithms and is corrected BEFORE it lands onto your computer.

The CYCLONE software uses a forward error correction scheme loosely based on existing error correction schemes like Reid-Solomon and BCH coding but is optomized to provide low overhead on the receiving computer with the calculation intensive tasks being done on the transmitting computer.

Resource Management:

The CYCLONE software is designed to make the best use of your computers resources and to minimize maintenance. All data arriving on the computer includes addressing information such as NET, GROUP, USER, MAJOR and MINOR classifications as well as complete file system information about the file.

Incoming data can be selectively routed to subdirectories on the hard disk, printers, comports, networks, or fed as input to programs that may be dynamically configured according to the type of file being received. CYCLONE keeps track of how much data is delivered to each resource and honors the limits you specify in the configuration file.

Files can be selectively received based on classification, age, and to some degree content itself (header packet information).

How To Get More Information:

You can contact NORSAT International conventionally via phone/fax or Mail or you can request information via uucp or the support BBS.

mail: ATTN: David Binette
NORSAT International Inc.
302-12886 78th Ave.
Surrey, British Columbia
CANADA V3W 8E7

There is an anonymous uucp account available on our system.
Login as nuucp, no password.

We are running SCO XENIX 2.3.1 and HoneyDanBer uucp-g.
No Parity, 8 databits, 1 stopbit
The login sequence is 2400-1200-9600(PEP)-300
The Phone # is (604) 597 4361

Anonymous uucp requests have access to the following directories:

Area	Content

```
/usr/spool/uucppublic       allfiles.doc (listing of files)
                            Updated automagically every day
/usr2/bbs/bul               Bulletins
/usr2/bbs/fil/microsat/new   New MicroSat Files
/usr2/bbs/fil/microsat/doc   MicroSat Text Files
/usr2/bbs/fil/microsat/prg   MicroSat Programs
/usr2/bbs/fil/microsat/src   MicroSat Source Code
------------------------------------------------------------------------
Detailed descriptions of the files in each area are in .files.bbs
for example...  /usr2/bbs/fil/microsat/prg/.files.bbs
------------------------------------------------------------------------
                        Thank you   -end-
```

--
Lyndon Nerenberg VE6BBM / Computing Services / Athabasca University
{alberta,cbmvax,mips}!atha!lyndon || lyndon@cs.athabascau.ca

The only thing open about OSF is their mouth. --Chuck Musciano

---

From -4273125770801921051
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ba7e5bae5da618a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-23 20:20:25 PST
Path: gmdzi!unido!mcsun!uunet!mjbtn!gsy1!root
From: root@gsy1.UUCP (Scott Yates N4BBB)
Newsgroups: rec.ham-radio
Subject: Re: Where is Dove?!?
Keywords: Dove schedule
Message-ID: <55@gsy1.UUCP>
Date: 24 Sep 90 03:20:25 GMT
References: <1990Sep18.001532.7063@maverick.ksu.ksu.edu>
Organization: Yates Pest Control, Rockvale, TN, USA
Lines: 25
Posted: Mon Sep 24 04:20:25 1990

steve@matt.ksu.ksu.edu (Steve Schallehn) writes:

>I have been monitoring 145.825MHZ the last week and have not heard Dove.
>Is this bird still flying? What is the schedule for the Digi-Talker?

>-Steve Schallehn, KB0AGD
> Kansas State University ARC

Yes, Steve, it's still quite active. I just copied it today for the morning and evening passes, and just scanned the captured data again. I don't see anything new on the digitalker in the bulletins...Still the same text about the AIAA/US small satellite conference.

If you hear the digitalker, please drop me a line...don't want to miss that one.

```
--
Scott Yates, N4BBB    o    o    DOMAIN: gsy@gsy1.JOBSOFT.COM
Yates Pest Control     \  /     UUCP: ....uunet!mjbtn!gsy1!gsy
Rockvale,Tennessee     (OO)     TCP/IP: 44.34.50.24 HAM: n4bbb@ampr.org
Navy MARS  NNN0XRI      <>      VOICE: (615) 274-2156 / (615) 459-2636

            <<< "Bugs Are my Life " >>>
```

From -3306249711747520830
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,78fc7408d476a703,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,f17ba892e818ba5
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-09-24 03:02:58 PST
Path: gmdzi!unido!mcsun!uunet!kitty!larry
From: larry@kitty.UUCP (Larry Lippman)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Eico dip meter - Help!!
Summary: DIY coils...
Message-ID: <4049@kitty.UUCP>
Date: 24 Sep 90 00:33:50 GMT
References: <3110@vela.acs.oakland.edu>
Organization: Recognition Research Corp., Clarence, NY
Lines: 38
Xref: gmdzi sci.electronics:8780 rec.ham-radio:15079
Posted: Mon Sep 24 01:33:50 1990

In article <3110@vela.acs.oakland.edu>, swood@vela.acs.oakland.edu (EVENSONG) writes:

> I just got one of those "deals you can't pass up" at the local flea market
> on a grid dip meter by Eico. The catch: no coils. I got the thing for
> $2 though.

I guess we all basically get what we pay for. :-)

> I was wondering if anyone might know where I might get some coils, or how I
> may go about making some perhaps?

I have an EICO Model 710 Grid Dip meter, which is probably what you have. I have no manual for it, however. I will tell you what I know about the coils, and perhaps other readers can add to it.

The EICO model 710 uses eight coils labeled "A" to "H" to cover the frequency range of 0.4 to 250 MHz. The lower frequency coils have a tapped winding, while the upper frequency coils do not. The following chart tells you all I know:

COIL	FREQUENCY	TAP	DESCRIPTION OF COIL
"A"	0.4 - 0.7 MHz	yes	lots of turns of Litz wire & tuned slug

"B"	0.7 - 1.38 MHz	yes	lots of turns of Litz wire & tuned slug
"C"	1.38 - 2.9 MHz	yes	lots of turns of Litz wire & tuned slug
"D"	2.9 - 7.5 MHz	no	approximately 30 turns of 28 AWG enamel
"E"	7.5 - 18 MHz	no	approximately 15 turns of 24 AWG enamel
"F"	18 - 42 MHz	no	approximately 6 turns of 20 AWG enamel
"G"	42 - 100 MHz	no	approximately 2 turns of 18 AWG enamel
"H"	100 - 25 MHz	no	1/2 turn U-shaped 0.125" wire loop

The coil forms for "A" to "G" are all 0.75" plexiglass, with the coil winding being about 2" from the pins.

Armed with the above information and some trial and error, you could probably duplicate the required coils.

Larry Lippman @ Recognition Research Corp. "Have you hugged your cat today?"
VOICE: 716/688-1231   {boulder, rutgers, watmath}!ub!kitty!larry
FAX: 716/741-9635   {utzoo, uunet}!/   \aerion!larry

From 1075006159737992604
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bed8e0d8446be39a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-24 04:52:05 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!mips!apple!uokmax!norlin
From: norlin@uokmax.ecn.uoknor.edu (Norman Lin)
Newsgroups: rec.ham-radio
Subject: Performance of QRP/homebrew transmitters and receivers
Keywords: QRP
Message-ID: <1990Sep24.011047.8509@uokmax.ecn.uoknor.edu>
Date: 24 Sep 90 01:10:47 GMT
Distribution: rec
Organization: Engineering Computer Network, University of Oklahoma, Norman, OK
Lines: 33
Posted: Mon Sep 24 02:10:47 1990

Several years ago, I obtained a Novice license. Being 12 at the time and having no money, I never managed to purchase any equipment nor was I skilled enough to build anything that worked. My license expired.

Now, in college with a little (emphasis on little) money of my own, I have begun to look at the hobby with renewed interest. Although I still do not have money to burn, the hobby is not as unreachable as it was before.
But before I consider getting a license, I am again faced with the problem of how to get on the air, cheap.

It seems to me that the most inexpensive, educational, and satisfying way of getting one's equipment is to build it oneself from circuits in magazines, books, and the like. Performance, however, is always a question. Is it realistic to expect to be able to have any communication at all with, for instance, a one or two transistor crystal oscillator? In almost every publication I have seen, a crystal oscillator is shown as the simplest "transmitter," but no indications of actual useability are given. Has anyone out there gotten reasonable performance out of a one/two transistor oscillator?

On a similar note, is it feasable to build a useable (in terms of CW selectivity/sensitivity) simple receiver? (For me, "simple" means the circuit diagram will fit easily on one page -- a couple of transistors and IC's.)
I have experimented very briefly with a regenerative circuit but it left much to be desired.

Any pointers on where to find circuits for good, simple receivers/transmitters (if such circuits exist!) would be greatly appreciated. Thanks in advance!

```
--
\    /\/\    /\/\        +-----------------------------+    /\/\    /\/\    /./
\\  /./\\\  /./\\\  /====|Norman Lin/norlin@129.15.20.2|===/./\\\  /./\\\  /./
\\\/./  \\\/./  \\\/./===| norlin@uokmax.ecn.uoknor.edu|====/  \\\/./  \\\/./
 \/\/    \/\/    \/\/    +-----------------------------+        \/\/    \/\/
```

From 2648577741824036855
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,783a33b017c5761e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-24 05:30:07 PST
Path: gmdzi!unido!mcsun!uunet!samsung!dali.cs.montana.edu!milton!uw-beaver!sumax!amc-gw!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: AMSAT Bulletins, 9/22/90
Keywords: orbital elements posted separately
Message-ID: <270@ssc.UUCP>
Date: 23 Sep 90 19:07:34 GMT
Organization: very little
Lines: 252
Posted: Sun Sep 23 20:07:34 1990

SB ALL @ AMSAT $ANS-265.01
SAREX/STS-35 MISSION DELAYED

HR AMSAT NEWS SERVICE BULLETIN 265.01 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 22, 1990
TO ALL RADIO AMATEURS BT

STS-35/SAREX Mission Delayed; Rescheduled Launch Date Planned For Dec. 1, 1990

NASA officials were forced to scrub the launch of STS-35 on Sept. 11, 1990 due to the recurrence of a hydrogen leak in the aft engine compartment. Because this leak appeared to be much worse than leaks previously encountered, NASA officials will again roll the Shuttle Columbia back to the "hanger" to perform needed repairs. During the time that the repairs are being performed on Columbia, the Shuttle Discovery will be made ready for lift-off. Discovery carries a "time-critical" payload, known as Ulysses, which must be launched within a thirteen day period beginning Oct. 5, 1990. After the Ulysses mission comes a classified DoD launch on the Shuttle Atlantis. This mission is planned for November 10, 1990. NASA planners are working on a December 1, 1990 launch for STS-35/SAREX. Although four launch attempts would try the patience of even the most stalwart SAREX enthusiast, it is evident that NASA remains committed to completing the STS-35 mission goals. AMSAT would like to thank the many dedicated volunteers who have worked so hard to make the Shuttle Amateur Radio Experiment a reality. As the launch of STS-35 approaches again, AMSAT and the ARRL will start to again publish the necessary information for the SAREX mission. Watch for bulletins from the AMSAT News Service (ANS) and W1AW bulletins in mid-November for updates on the progress of the STS-35/SAREX mission.

/EX
SB ALL @ AMSAT $ANS-265.02
FO-20 UPDATE/SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 265.02 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 22, 1990
TO ALL RADIO AMATEURS BT

Latest Japanese Bird Still Experiencing Temperature Problems

The FO-20 Command Team at JARL report that FO-20 is continuing to experience high temperature problems which is forcing a drastic reduction of operations on the Bird. Unfortunately, because FO-20 is currently experiencing a period of eclipse-free orbits, the natural cooling off of the satellite during eclipse is not occurring. Therefore, the reduction of transponder operation availability is one way to reduce the internal temperature build up.

Although subject to change at any moment, this list is the current schedule of operation for FO-20:

From	To	Mode
25 Sep 90 0700	26 Sep 90 0910	JD, on demand
27 Sep 90 0740	28 Sep 90 0950	Continuous JD
01 Oct 90 0900	02 Oct 90 0910	PSK Telemetry acquisition
04 Oct 90 0955	04 Oct 90 2330	JA
08 Oct 90 0920	08 Oct 90 1110	JA and JD
11 Oct 90 0825	12 Oct 90 0850	JD

The above dates and time are in UTC.

The FO-20 Command Team will be monitoring satellite performance and operations during these times and may turn off the transponder if they determine that the satellite is in danger.

[ANS thanks the FO-20 Command Team for the information in this bulletin]

/EX
SB ALL @ AMSAT $ANS-265.03

AMSAT SYMPOSIUM TALKS, PT 1

HR AMSAT NEWS SERVICE BULLETIN 265.03 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 22, 1990
TO ALL RADIO AMATEURS BT

Wide Variety of Topics to be Presented at AMSAT Symposium

This year's AMSAT Symposium will be held during the weekend of October 19, 20, and 21 at the Johnson Space Center (JSC) Visitors Center. Presentations will be held in the Visitor's Center Auditorium, and have been scheduled for all three days of the weekend. The talks have been scheduled in serial alignment so that you will not have to choose between two talks at any given time.

Friday's talks, which begin at 3:00 PM include: Satellite Image Processing for the Amateur, AMSAT-NA Education Activities and finishing with AMSAT Orbital Data Management. Saturday's activities begin at 8:00 AM. A scan of the program lists talks on such topics as:

The Decoding Telemetry from the Amateur Satellites
In-Orbit Performance of 4 Microsat Spacecraft
A discussion of AO-13's Orbit
A report on the Phase 3D Project
Phase 4 Technology as it Applies to Phase 3D
Macromets and Microsats
A Pacsat Demonstration
Microsat Motion, Stabilization, and Telemetry
Full Motion Digital Video Via Amateur Satellites
SAREX Hardware for STS-35 and 37
Astronaut Deployable Satellites
Webersat Operations and Experiment Results
AMSAT-NA Operations Organization
The Development of 2 DSP Modems

/EX
SB ALL @ AMSAT $ANS-265.04
AMSAT SYMPOSIUM TALKS, PT 2

HR AMSAT NEWS SERVICE BULLETIN 265.04 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 22, 1990
TO ALL RADIO AMATEURS BT

Saturday evening's activities will be held at the JSC Employee's Recreation Center and with the ever-popular Attitude Adjustment Hour which is followed by a Texas Bar-B-Que Dinner. AMSAT is very fortunate to have as its Guest Speaker Mr. Aaron Cohen, Director, Johnson Space Center. Following Mr. Cohen's address the AMSAT-NA Annual Meeting will be held.

Sunday's activities begin at 9:00 AM and the topics to be presented will be: Getting Started in Amateur Satellites, Building a Versatile Homebrew Satellite Ground Station and Poor Boy Satellite Station. For those who can delay their departure time until late Sunday, there will be a chance to attend an open house (starting at 1:00 p.m.) at the world's largest amateur antenna, W5UN, the station that brought DO-17 (Dove) back to life.

When making airline reservations, please note that Hobby Airport is MUCH closer to JSC than Houston Intercontinental Airport. Contact AMSAT Headquarters at 301-589-6062 for further information on Symposium registration and accommodations.

/EX
SB ALL @ AMSAT $ANS-265.05
SAT ACTIVITY FROM ZIMBABWE

HR AMSAT NEWS SERVICE BULLETIN 265.05 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 22, 1990
TO ALL RADIO AMATEURS BT

Final weekend for Four Special Callsign Stations

You have only one more weekend to pick up on four special prefix callsigns sponsored by OSCAR enthusiasts from Zimbabwe. Z21HJ/R and Z21GH along with the active support of the Zimbabwe Amateur Radio Society have been sponsoring four separate satellite stations operating from four different locations around Zimbabwe. These stations have been issued the call-signs: Z21SAT, Z22SAT, Z23SAT and Z24SAT (pre-fix hunters should find some interest in these calls). The stations have been found on Mode B around the frequency of 145.905 MHz.

Special QSL cards will be available for each of the four stations. ANS has been informed that QSLs will be sent either via the bureau or, if a speedier reply is desired, the standard DX-QSL protocol of including an IRC will hasten the card reciprocation.

In addition to the special QSL cards, those stations who have worked at least two of the four call signs will qualify for the "ZIMBABWE SATELLITE ACHIEVEMENT AWARD 1990". This beautiful award is based on African culture and shows the famous Victoria Falls in the background. The award will be available for a nominal donation. Further information on QSLing and the award should be available from the stations during the operation.

/EX
SB ALL @ AMSAT $ANS-265.06
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 258.06 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 22, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times. Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date	Phs	mode	UTC	NCS	Alt.	U.S. day
28 Sep 90	171	J/L	0100	KA5SMA	N5BF	Thursday
9 Oct 90	172	J/L	0015	WD0E	WB9ANQ	Monday
- 15 October 90 reorientation to 180/0 -						
21 Oct 90	98	J/L	1800	WB6LLO	W5RRR*	Sunday
27 Oct 90	135	B	1300	WB9ANQ	KA5SMA	Saturday

* Most NCS operators will be at the AMSAT Symposium at JSC in Houston, TX on 21 October 90. As a result, this net may be cancelled.

Nets are scheduled for North American geographic coverage and time zones although other parts of the world are often within the footprint and checkins from everywhere are welcome. Those who don't have adequate and convenient coverage from this net are encouraged to schedule their own nets via AO-13.

Write to AMSAT Headquarters with your schedule and we will run it in ANS.

For information on the amateur satellite program and how you can participate, contact AMSAT-NA Headquarters at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062, or contact your local AMSAT Area Coordinator.

/EX
SB ALL @ AMSAT $ANS-265.07
AO-13/AO-10 TRANSPONDER SKED

HR AMSAT NEWS SERVICE BULLETIN 265.07 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 22, 1990
TO ALL RADIO AMATEURS BT

A new Transponder Schedule for AO-13 was put into effect on September 8 which is planned to continue through October 17.

Mode S operation has been eliminated for the time being since relatively poor solar panel illumination does not allow sufficient power for proper battery maintenance during Mode S and S/B periods. Satellite reorientation (a.k.a. magnetorquing) is scheduled to commence on October 15 and once it has been completed, it is expected that Mode S will be returned to service.

The present transponder schedule for AO-13 is as follows:

Mode-B : MA 003 to MA 165
Mode-JL : MA 165 to MA 195
Mode-B : MA 195 to MA 240
Off : MA 240 to MA 003 (Mode B Beacon On)
Omni Antennas : MA 240 to MA 060

The September 10 attitude estimate is:

BLON = 205 and BLAT = -7

AMSAT-OSCAR-10 appears NOT TO have been receiving sufficient solar panel illumination to support Mode-B transponder operations. Both beacon and transponder signals show signs of FMing. Until further notice please DO NOT use AO-10's transponder.

It is expected that AO-10 may once again receive sufficient solar illumination to support Mode-B transponder operation by sometime in November.

/EX

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 777429550443215463
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c4cdcea4eb3837b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-24 05:36:04 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!rpi!dali.cs.montana.edu!milton!uw-beaver!sumax!amc-gw!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: AMSAT Orbital Elements, 9/22/90
Keywords: ham satellites
Message-ID: <271@ssc.UUCP>
Date: 23 Sep 90 19:20:51 GMT
Organization: very little
Lines: 342
Posted: Sun Sep 23 20:20:51 1990

SB ALL @ AMSAT $ORBS-265.O
Orbital Elements 265.OSCAR

HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES
FROM N3FKV HEWITT, TX   SEPTEMBER 22, 1990
TO ALL RADIO AMATEURS BT

Satellite: AO-10
Catalog number: 14129
Epoch time: 90260.93187818

```
Element set:     549
Inclination:       26.0092 deg
RA of node:       184.3937 deg
Eccentricity:    0.5954699
Arg of perigee:   176.6918 deg
Mean anomaly:     190.5773 deg
Mean motion:    2.05881694 rev/day
Decay rate:      -5.80e-07 rev/day^2
Epoch rev:            5464

Satellite: UO-11
Catalog number: 14781
Epoch time:      90263.05787261
Element set:     782
Inclination:       97.9427 deg
RA of node:       312.4814 deg
Eccentricity:    0.0012080
Arg of perigee:   310.4834 deg
Mean anomaly:      49.5399 deg
Mean motion:   14.65679215 rev/day
Decay rate:      1.741e-05 rev/day^2
Epoch rev:           34986

Satellite: RS-10/11
Catalog number: 18129
Epoch time:      90263.03858395
Element set:     327
Inclination:       82.9210 deg
RA of node:       258.4411 deg
Eccentricity:    0.0010993
Arg of perigee:   209.5990 deg
Mean anomaly:     150.4532 deg
Mean motion:   13.72109867 rev/day
Decay rate:       8.70e-07 rev/day^2
Epoch rev:           16245

Satellite: AO-13
Catalog number: 19216
Epoch time:      90233.10507939
Element set:     144
Inclination:       56.9230 deg
RA of node:       139.8507 deg
Eccentricity:    0.7012370
Arg of perigee:   234.0055 deg
Mean anomaly:      39.5251 deg
Mean motion:    2.09695679 rev/day
Decay rate:       1.46e-06 rev/day^2
Epoch rev:            1676

Satellite: FO-20
Catalog number: 20480
Epoch time:      90261.57386249
Element set:     104
```

```
Inclination:       99.0356 deg
RA of node:       290.4267 deg
Eccentricity:    0.0540429
Arg of perigee:   196.9758 deg
Mean anomaly:     161.2629 deg
Mean motion:   12.83160374 rev/day
Decay rate:       1.10e-07 rev/day^2
Epoch rev:            2872

/EX
SB ALL @ AMSAT $ORBS-265.D
Orbital Elements 265.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS
FROM N3FKV HEWITT, TX      SEPTEMBER 22, 1990
TO ALL RADIO AMATEURS BT

Satellite: UO-14
Catalog number: 20437
Epoch time:      90260.20204198
Element set:     206
Inclination:       98.6921 deg
RA of node:       336.0173 deg
Eccentricity:    0.0010587
Arg of perigee:   247.2221 deg
Mean anomaly:     112.7870 deg
Mean motion:   14.28713631 rev/day
Decay rate:       5.34e-06 rev/day^2
Epoch rev:            3400

Satellite: AO-16
Catalog number: 20439
Epoch time:      90262.35603265
Element set:     109
Inclination:       98.6989 deg
RA of node:       338.3236 deg
Eccentricity:    0.0010587
Arg of perigee:   240.3301 deg
Mean anomaly:     119.6856 deg
Mean motion:   14.28818352 rev/day
Decay rate:       5.20e-06 rev/day^2
Epoch rev:            3431

Satellite: DO-17
Catalog number: 20440
Epoch time:      90262.48899265
Element set:     119
Inclination:       98.6980 deg
RA of node:       338.4725 deg
Eccentricity:    0.0010831
Arg of perigee:   238.5002 deg
Mean anomaly:     121.5125 deg
Mean motion:   14.28870468 rev/day
```

```
Decay rate:       6.09e-06 rev/day^2
Epoch rev:            3433

Satellite: WO-18
Catalog number: 20441
Epoch time:      90262.47193229
Element set:     112
Inclination:       98.6989 deg
RA of node:       338.4860 deg
Eccentricity:    0.0011307
Arg of perigee:   240.3118 deg
Mean anomaly:     119.6943 deg
Mean motion:   14.28959304 rev/day
Decay rate:       5.07e-06 rev/day^2
Epoch rev:            3433

Satellite: LO-19
Catalog number: 20442
Epoch time:      90262.11028622
Element set:     114
Inclination:       98.6992 deg
RA of node:       338.1523 deg
Eccentricity:    0.0011638
Arg of perigee:   242.1403 deg
Mean anomaly:     117.8609 deg
Mean motion:   14.29028693 rev/day
Decay rate:       4.91e-06 rev/day^2
Epoch rev:            3428

/EX
SB ALL @ AMSAT $ORBS-265.M
Orbital Elements 265.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES
FROM N3FKV HEWITT, TX      SEPTEMBER 22, 1990
TO ALL RADIO AMATEURS BT

Satellite: SALYUT 7
Catalog number: 13138
Epoch time:      90262.58378181
Element set:     508
Inclination:       51.5993 deg
RA of node:       183.5414 deg
Eccentricity:    0.0001763
Arg of perigee:   138.1806 deg
Mean anomaly:     221.9186 deg
Mean motion:   15.72790365 rev/day
Decay rate:     8.9028e-04 rev/day^2
Epoch rev:           47966

Satellite: MIR
Catalog number: 16609
Epoch time:      90262.76222238
```

```
Element set:     944
Inclination:       51.6119 deg
RA of node:       213.2738 deg
Eccentricity:    0.0027305
Arg of perigee:    63.2650 deg
Mean anomaly:     297.1329 deg
Mean motion:   15.58815470 rev/day
Decay rate:     5.1764e-04 rev/day^2
Epoch rev:           26288

Satellite: HUBBLE
Catalog number: 20580
Epoch time:      90262.34720469
Element set:     217
Inclination:       28.4740 deg
RA of node:        10.3551 deg
Eccentricity:    0.0006053
Arg of perigee:    26.0135 deg
Mean anomaly:     334.0724 deg
Mean motion:   14.85024567 rev/day
Decay rate:      5.994e-05 rev/day^2
Epoch rev:            2198

Satellite: BADR-1
Catalog number: 20685
Epoch time:      90263.12160915
Element set:      81
Inclination:       28.4853 deg
RA of node:       228.1286 deg
Eccentricity:    0.0432617
Arg of perigee:   117.3476 deg
Mean anomaly:     247.2614 deg
Mean motion:   15.23631543 rev/day
Decay rate:     3.6958e-03 rev/day^2
Epoch rev:             997

/EX
SB ALL @ AMSAT $ORBS-265.W
Orbital Elements 265.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM N3FKV HEWITT, TX      SEPTEMBER 22, 1990
TO ALL RADIO AMATEURS BT

Satellite: NOAA-9
Catalog number: 15427
Epoch time:      90262.04297155
Element set:     624
Inclination:       99.1736 deg
RA of node:       264.0809 deg
Eccentricity:    0.0016121
Arg of perigee:   104.9778 deg
Mean anomaly:     255.3181 deg
Mean motion:   14.12670897 rev/day
Decay rate:       6.03e-06 rev/day^2
Epoch rev:           29723

Satellite: NOAA-10
Catalog number: 16969
Epoch time:      90260.06200185
Element set:     468
Inclination:
     98.5960 deg
RA of node:       285.9349 deg
Eccentricity:    0.0013987
Arg of perigee:     6.9353 deg
Mean anomaly:     353.2019 deg
Mean motion:   14.23726362 rev/day
Decay rate:       4.95e-06 rev/day^2
Epoch rev:           20768

Satellite: MET-2/17
Catalog number: 18820
Epoch time:      90262.58957725
Element set:     356
Inclination:       82.5414 deg
RA of node:       275.4140 deg
Eccentricity:    0.0018327
Arg of perigee:    61.1687 deg
Mean anomaly:     299.1263 deg
Mean motion:   13.84371137 rev/day
Decay rate:       1.05e-06 rev/day^2
Epoch rev:           13324

Satellite: MET-3/2
Catalog number: 19336
Epoch time:      90261.33714738
Element set:     581
Inclination:       82.5435 deg
RA of node:       211.5097 deg
Eccentricity:    0.0018686
Arg of perigee:    76.8258 deg
Mean anomaly:     283.4912 deg
Mean motion:   13.16906182 rev/day
Decay rate:       3.91e-06 rev/day^2
Epoch rev:           10321

Satellite: NOAA-11
Catalog number: 19531
Epoch time:      90261.30044454
Element set:     348
Inclination:       98.9896 deg
RA of node:       209.7447 deg
Eccentricity:    0.0012659
Arg of perigee:    26.5031 deg
Mean anomaly:     333.6785 deg
Mean motion:   14.11713361 rev/day
Decay rate:       7.30e-06 rev/day^2
Epoch rev:           10210

Satellite: MET-2/18
Catalog number: 19851
Epoch time:      90263.09216406
Element set:     314
Inclination:       82.5276 deg
RA of node:       152.8631 deg
Eccentricity:    0.0016421
Arg of perigee:    99.4178 deg
Mean anomaly:     260.8969 deg
Mean motion:   13.84004499 rev/day
Decay rate:      -1.22e-06 rev/day^2
Epoch rev:            7869

Satellite: MET-3/3
Catalog number: 20305
Epoch time:      90256.80007755
Element set:     214
Inclination:       82.5554 deg
RA of node:       155.5157 deg
Eccentricity:    0.0016446
Arg of perigee:   103.8671 deg
Mean anomaly:     256.4274 deg
Mean motion:   13.15863357 rev/day
Decay rate:       2.00e-07 rev/day^2
Epoch rev:            4260

Satellite: MET-2/19
Catalog number: 20670
Epoch time:      90258.02488943
Element set:      50
Inclination:       82.5443 deg
RA of node:       217.3445 deg
Eccentricity:    0.0017335
Arg of perigee:    39.8995 deg
Mean anomaly:     320.3449 deg
Mean motion:   13.83849208 rev/day
Decay rate:       1.11e-06 rev/day^2
Epoch rev:            1094

Satellite: FENG YUN 1-2
Catalog number: 20788
Epoch time:      90263.08835276
Element set:      26
Inclination:       98.9370 deg
RA of node:       297.4158 deg
Eccentricity:    0.0009563
Arg of perigee:   220.0560 deg
Mean anomaly:     140.8809 deg
Mean motion:   14.00446027 rev/day
```

Decay rate: -2.647e-05 rev/day^2
Epoch rev: 239
/EX

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 3884961540537649911
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88dd948dbf3f3490,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-24 05:43:46 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes 9/21/90
Message-ID: <1658@n8emr.UUCP>
Date: 23 Sep 90 23:51:52 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 181
Posted: Mon Sep 24 00:51:52 1990

```
==============================================================
|         Relayed from packet radio via                  |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ ALLBBS $RTDX0921
RTTY DX Notes 1of3 9/21/90

RTTY DX Notes for week ending 21st September 1990
BID: $RTDX0921
Part 1 of 3.

Despite the remarks of packeteers about the slowness of AMTOR (and for that matter RTTY), it would appear that someone has their figures badly wrong. I have seen packet messages take 12 to 14 days to get across the USA and another 5 days to be delivered to Sydney. As a matter of interest and test, I asked a station in New York to send me the same message by AMTOR and packet. I received the AMTOR message in 12 hours and the packet message via APLINK in 9 days. Oh, heck. Possibly my calculator was wrong. All this to say that there appears to be more and more stations using AMTOR to pass their traffic. One wonders if they are realizing that after all, on HF, AMTOR is best.

Our thanks this week go to I5FLN Cluster, JA1BLV, OD5NG, TG9VT, W2JGR, W6/G0AZT and the Tri-State DX Packet Cluster Network. Thank you all for the informative DX Notes.

Bandpass

Friday 14

TA3D	14090	at	0520Z	QSL
9J2BO	21089	at	1422Z	
BY4QH	14089	at	1523Z	
UJ8HCQ	21093	at	1617Z	
YC1YMN	21084	at	1618Z	
FR4FR	21072	at	1620Z	ARQ
TY1PS	21086	at	1911Z	
S79NBD	21089	at	1925Z	QSL
9Q5UN	21085	at	2105Z	
ZD8GT	21087	at	2107Z	
V51P	21087	at	2343Z	

Continued in part 2.
/EX
SB RTTYDX @ ALLBBS $RTDX0922
RTTY DX Notes 2of3 9/21/90

RTTY DX Notes for week ending 21st September 1990
BID: $RTDX0922
Part 2 of 3.

Saturday 15

5N8ALE	14077	at	0511Z	FEC
TU2BB	21074	at	1128Z	ARQ
J28TY	21092	at	1317Z	QSL
9Q5TE	21087	at	1328Z	
SU1ER	21080	at	1354Z	ARQ
EA9AN	14073	at	1731Z	ARQ
TS6PZD	14088	at	1745Z	
FM5FA	21075	at	1836Z	
VU2SJV	21091	at	1857Z	
S79NBD	21089	at	1955Z	
YS1RJ	21089	at	2100Z	QSL
CU3AY	21094	at	2115Z	
5W1KT	28088	at	2346Z	QSL

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Sunday      16

VP8BFH      21093  at  0007Z
J73WA       14090  at  0020Z
HV3SJ       14085  at  0156Z  QSL
GW4ZAT/5B4  14075  at  0630Z  ARQ
9H4C        14077  at  0632Z  ARQ
FK8BG       14074  at  0632Z  ARQ
9Q5UN       21073  at  0844Z
5W1KT       14084  at  1015Z
ZD8BOB      21082  at  1115Z
EA8ATE      21087  at  1116Z
SV9TJ       21073  at  1242Z  ARQ
YC1YMN      21079  at  1347Z
J28TY       21075  at  1800Z  ARQ
V63AR       21088  at  2240Z  QSL

Monday      17

5N8ALE      14075  at  0516Z  ARQ
V63AR       14092  at  1230Z
YC1YMN      21083  at  1410Z
TR8AHO      21091  at  1659Z
TK/OE1GAS   21084  at  1727Z
TL8TM       21072  at  1728Z  ARQ
FR4FR       21072  at  1728Z  ARQ
V85RA       21086  at  1756Z
ZD9BV       14086  at  1945Z

Tuesday     18

SV2WT       14089  at  0515Z
TK/OE1GAS   14090  at  0516Z
V63AR       14092  at  1230Z
UZ9CZM      21084  at  1300Z
J28TY       21087  at  1929Z

Continued in part 3.
/EX
SB RTTYDX @ ALLBBS $RTDX0923
RTTY DX Notes 3of3 9/21/90

RTTY DX Notes for week ending 21st September 1990
BID: $RTDX0923
Part 3 of 3.


Wednesday   19

CE0ZIG      21074  at  0148Z  ARQ
5B4AA       21075  at  0910Z  ARQ

Thursday    20
```

```
FR4FR       21072  at  1618Z  ARQ
ZD9BV       21083  at  1940Z
```

QSL Information.

TA3D informs us that his QSL address is Box 963, Izmir, Turkey.

S79NBD is JG1NBD when he is at home.

5W1KT says to QSL to Box 1672 Apia, West Samoa.

YS1RJ collects his cards from Box 792, San Salvador, El Salvador.

J28TY QSL address is Box 2417, Djibouti.

HV3SJ says to QSL for this contact to I0DUD.

Cards for the latest 3DA0BW operation go to Paul, Box 57 Big Bend Swaziland, not to AK1E as for previous operators.

V63AR is JA2NVY when he is at home. QSL via callbook address.

Notes of Interest.

JH1QDB, Kuni, will operate from Ogasawara JD1 from September 23rd to 30th. QSL to his home call.

W6/G0AZT has told us that he will be signing ZF1RY from 27th September and through the CQWW RTTY Contest. QSL to his home address.

Juan Fernandez. F2JD expects to be signing CE0ZZZ mid November for a period of about one week. RTTY gear by IRDXA.

Malpelo (HK0) is still indicated for 2nd November. Financial assistance should go to HK3BED at his callbook address.

South Sandwich VP8SSI and South Georgia VP8SGI are still on track for November 26th and December 1 respectively for a week or so operation, RTTY of course. Financial assistance should go to AA6BB/7 or KA6V/7. Callbook address is OK.

GL DE DX1.

Written by VK2SG. Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA.
Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.
/EX

--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]

HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From 78167499283159556
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bed8e0d8446be39a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-24 07:07:05 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!agate!linus!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Re: Performance of QRP/homebrew transmitters and receivers
Keywords: QRP
Message-ID: <108811@philabs.Philips.Com>
Date: 24 Sep 90 14:07:05 GMT
References: <1990Sep24.011047.8509@uokmax.ecn.uoknor.edu>
Sender: news@philabs.Philips.Com
Reply-To: rfc@briar.philips.com.UUCP (Robert Casey)
Distribution: rec
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 29
Posted: Mon Sep 24 15:07:05 1990

In article <1990Sep24.011047.8509@uokmax.ecn.uoknor.edu>
norlin@uokmax.ecn.uoknor.edu (Norman Lin) writes:
>On a similar note, is it feasable to build a useable (in terms of CW
>selectivity/sensitivity) simple receiver? (For me, "simple" means the circuit
>diagram will fit easily on one page -- a couple of transistors and IC's.)

I've seen descriptions of modified AM (0.54-1.6Mhz) radios for ham band reception. Basically, you treat the radio as a tunable intermediate frequency amplifer, and you put a downconvewrter stage in front of the radio's front end. You need to put the radio's loopstick in a shielded can, so you don't continue to receive AM radio stations. You will also need to build a Beat Frequency Oscillator (BFO) to inject into the radio's IF strip. This is an oscillator running at the same freqency as the IF amp, and acts as a substitute for an AM radio station's carrier. Inject it at the diode detector stage, so you won't confuse the radio's automatic gain control. Now, you can hear "dit-dah-dit-dit", instead of "hiss-hissss-hiss-hiss".
Old copies of the ARRL handbook (or old QSTs) I think had diagrams of this sort of thing.

Over the weekend, there was a "public safety" expo at the local mall. Got talking to one of the aux communications guys, after noticing some ham HTs on display. Mentioned about the discussion we had on this net about 6 months ago about hams using their modified HTs to contact police depts on police radio frequency. He said that we should *never* do that unless it is an extreme emergency (where someone is about to die, like in a car accident) and you have tried all other methods of communications (like the ham repeater, knocking on house doors to get them to call the police for you, etc.). The FCC may say that it is OK, but the police will not like it, unless it was an extreme emergency, and you tried other methods first (and they still won't be happy).

From 1295594021310065315
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a0b4df795b10199
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-24 12:23:15 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!mailrus!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Limited Space Antennas
Message-ID: <170.26FD3808@w8grt.fidonet.org>
Date: 23 Sep 90 22:17:29 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 43
Posted: Sun Sep 23 23:17:29 1990

> From: tad@ssc.UUCP (Tad Cook)
> Date: 22 Sep 90 16:41:21 GMT
> Organization: very little
> Message-ID: <264@ssc.UUCP>
> Newsgroups: rec.ham-radio
>
> In article <7880285@hpfcdc.HP.COM>, perry@hpfcdc.HP.COM (Perry Scott)
> writes:
> > Re: dipoles
> >
> > 70' is almost ideal for a 1/2-size G5RV. It's mostly resonant, so you
> > may avoid buying a transmatch. It is resonant on 40, 20, 15, and 10.
> > As a novice, I don't think you can use 20 and 15 CW, but it gives you
> > incentive to upgrade to tech. :)
> >
>
> Better than that....feed the center of the 70 foot dipole with open wire
> line or twinlead (the 450 ohm transmitting type ladder line is neat) and
> tune it with an antenna tuner that has a balanced output. You then
> have the classic center-fed Zepp antenna.

Which works even better if you use two or more wires on each side of center spread a foot or more apart at the ends. It then approximates a biconical dipole, which doesn't have the extreme feedpoint impedance variations of the single, thin conductor version. That makes the job of the tuner at the radio end of the ladd line much easier.

I have a friend who tried 4 wire ladder line. Works even better than the 2 wire kind. The line radiation losses are much less than all but the most expensive co-ax. He tells me that in the hills of Kentucky, where he lives, people living at the bottom of a hill put their TV, CB and ham antennas on top of the hill and run 4 wire lines several hundred feet to the bottom of the hill with great success.

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  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |      _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From 3403229456204091128
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4dad5d0f1aaa3397
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-24 12:32:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: QSL Information
Message-ID: <7880291@hpfcdc.HP.COM>
Date: 24 Sep 90 19:32:16 GMT
References: <5A091210072B007E-MTABWIDENER*DXANDY@widener>
Organization: HP Fort Collins, Co.
Lines: 12
Posted: Mon Sep 24 20:32:16 1990

> Maybe he meant the 1991 Callbook?

Possibly. Who knows?

> N4YVP is not in the 1990 Callbook, and just missed the Callbook
> supplement. The last N4 in the supplement for this year is N4YVM.

Thanks!

> If he is in the callbook, you probably didn't copy the call correctly.

Unlikely, but possible. Se la vi. The postcard sits for a while.

From 6611347760169011011
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,947be93c2392fc81,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-24 12:35:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!att!dptg!mtune!jak
From: jak@mtune.ATT.COM (Jim Kutsch)
Newsgroups: rec.ham-radio
Subject: Jennings Radio vacume variable capacitor info wanted
Message-ID: <805@mtune.ATT.COM>

Date: 24 Sep 90 19:35:25 GMT
Organization: AT&T BL Middletown/Lincroft NJ USA
Lines: 14
Posted: Mon Sep 24 20:35:25 1990

In helping the wife of a local silent key dispose of his shack, I have come across a new (unused) Jennings Radio vacume variable. It is a double (gang?) cap with a chain drive linking the two sides. THe entire unit measures about 18" x 18" x 4". It is marked 15,000V and T85Q?A25060 (some digits are blurred and one is unreadable).

Does anyone have an old Jennings Radio catalogue? WHat did this thing cost new? What do they go for in flea markets these days?

Thanks for any info.

73, Jim KY2D
jak@mtune.att.com

From 4101129931757945094
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,338d6aab4bf9e8e5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-24 13:01:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: To Bob West (WA8YCD)...
Message-ID: <7880292@hpfcdc.HP.COM>
Date: 24 Sep 90 20:01:02 GMT
References: <27080010@col.hp.com>
Organization: HP Fort Collins, Co.
Lines: 32
Posted: Mon Sep 24 21:01:02 1990

> Primary repeaters in the Colorado Springs area would include:

Complete list (as I know it) is below, FYI, from my on-line data.

> ...drive up Pikes Peak (14,110')...

While there, try to hit:

145.115 -0.600 Fort Collins (W), Horsetooth, 7255', NCARC 100.0Hz
147.360 +0.600 Fort Collins, Durward Hall, CSUARC 100.0Hz

It's about 120 miles, line of sight, but I've heard it done from an HT.

145.130 -0.600 Colorado Springs

145.235 -0.600 Colorado Springs
145.310 -0.600 Colorado Springs
145.340 -0.600 Colorado Springs
146.760 -0.600 Colorado Springs
146.910 -0.600 Colorado Springs, COLCONN
146.970 -0.600 Colorado Springs (W), Pikes Peak
147.030 +0.600 Colorado Springs
147.105 +0.600 Colorado Springs
147.135 +0.600 Colorado Springs
147.180 +0.600 Colorado Springs
147.270 +0.600 Colorado Springs
147.345 +0.600 Colorado Springs
147.360 +0.600 Colorado Springs
147.390 +0.600 Colorado Springs

145.460 -0.600 Cripple Creek (west of Colorado Springs)
145.160 -0.600 Woodland Park (northwest of Colorado Springs)

From -5405525452650430333
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bed8e0d8446be39a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-24 13:05:30 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Performance of QRP/homebrew transmitters and receivers
Message-ID: <1250233@hpnmdla.HP.COM>
Date: 24 Sep 90 20:05:30 GMT
References: <1990Sep24.011047.8509@uokmax.ecn.uoknor.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 14
Posted: Mon Sep 24 21:05:30 1990

Yes, you can build simple receivers and transmitters that work well enough to make lots of contacts on the air. Direct-conversion receivers have the advantage that the local oscillator can be used as the vfo for the transmitter.

On the other hand, the time spent building, testing and troubleshooting the equipment adds to the time before you can get on the air. And you can spend lots of time and never get it working properly which can be very discouraging. I recommend you buy some used equipment to get on the air. For $100 or $200 you can buy a HW-101 with all needed accessories. Now at least you can get your feet wet transmitting while you experiment building equipment.

AL N1AL

From 3941088874508765498

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc6c0520858f3715,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-24 14:30:52 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!zaphod.mps.ohio-state.edu!
maverick.ksu.ksu.edu!rutgers!mcnc!rti!sunpix!gb
From: gb@sunpix.East.Sun.COM (Gary Bishop - Sun Visualization Products)
Newsgroups: rec.ham-radio
Subject: Cleaning old capacitor gears
Message-ID: <112@sunpix.East.Sun.COM>
Date: 24 Sep 90 21:30:52 GMT
Sender: news@sunpix.East.Sun.COM
Organization: Sun Microsystems, Research Triangle Park, NC
Lines: 12
Posted: Mon Sep 24 22:30:52 1990
Originator: gb@dixie
```

I have a surplus tuning capacitor whose worm drive and anti-backlash
gearing is pretty gummed up with grease that has gotten some grit in
it. I'd like to remove all the grease and grit and replace it with
new clean grease. I have two questions:

1) How should I remove the old grease? I could dip just the gears in a
solvent of some sort without exposing the capacitor itself. What
solvent do you recommend?

2) What sort of grease should I use to replace the old?

73, wa4fut

```
From 1531905104183668576
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,78fc7408d476a703
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,f17ba892e818ba5
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-09-24 14:38:42 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!zaphod.mps.ohio-state.edu!
math.lsa.umich.edu!caen!umich!vela!swood
From: swood@vela.acs.oakland.edu ( EVENSONG)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Eico dip meter - Help!!
Message-ID: <3113@vela.acs.oakland.edu>
Date: 24 Sep 90 15:40:19 GMT
References: <3110@vela.acs.oakland.edu> <4049@kitty.UUCP>
Reply-To: swood@vela.acs.oakland.edu (Scott Wood - EVENSONG)
Organization: Oakland University, Rochester MI
Lines: 11
Xref: gmdzi sci.electronics:8790 rec.ham-radio:15092
Posted: Mon Sep 24 16:40:19 1990
```

Hey! The 710 is the very animal that I have. (Eico 710, 8 bands from .4-250 MC)

Any one have any hints on how to create and tweak coils for this animal? Pretend I don't know anything about building resonant coils for dip meters, and you won't be far from off. (I have had a lot of work with resonant loads, from antennas to resistance networks, but have never worked with dip meters - perhaps I would have been more successful if I had)

Thanks.

swood

From -1880547946890426397
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e36bdcdb711315b2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-24 14:43:18 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!crackers!m2c!wpi!mrjp
From: mrjp@wpi.WPI.EDU (Michael Robert Passe)
Newsgroups: rec.ham-radio
Subject: RadioMobile 100
Keywords: TEchnical,restoration
Message-ID: <15938@wpi.WPI.EDU>
Date: 24 Sep 90 15:27:43 GMT
Organization: Worcester Polytechnic Institute, Worcester, MA
Lines: 7
Posted: Mon Sep 24 16:27:43 1990
From:Michael R. Passe (MRJP@wpi.wpi.edu on 9-24-90)

I was refered to this group by some on reading another group I had posted this in. I am in quiring about a British made radio for the 1947 Bently Mark VI. It's frequencies are measured in metres and it was made from 1946-1951. I have info on who rebuilds these things but I also would like some technical info should I want to rebuild it my self. Can anyone help.
Thanks!
~.signature

From -5235342469597663013
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bed8e0d8446be39a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-24 14:54:59 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!mikemr
From: mikemr@microsoft.UUCP (Michael MRAZ)
Newsgroups: rec.ham-radio
Subject: Re: Performance of QRP/homebrew transmitters and receivers
Summary: Have you considered...
Keywords: QRP
Message-ID: <57680@microsoft.UUCP>
Date: 24 Sep 90 17:12:24 GMT
References: <1990Sep24.011047.8509@uokmax.ecn.uoknor.edu>
Distribution: rec

Organization: Microsoft Corp., Redmond WA
Lines: 8
Posted: Mon Sep 24 18:12:24 1990

What about buying older tube-type gear and then rebuilding it?
There are some excellent tube-type rigs out there (Collins, etc.)
that you could buy and repair. IMHO, it would be much less trouble
than building from scratch, although a successful homebrew IS very
satisfying.

73, Mike   N6MZ

From -3252659071913245369
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c08e0ce452efb3a2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-24 15:48:34 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!CMS.CC.WAYNE.EDU!MEDELMA
From: MEDELMA@CMS.CC.WAYNE.EDU (Mike Edelman)
Newsgroups: rec.ham-radio
Subject: Making capacitors
Message-ID: <9009241951.AA07406@ucsd.edu>
Date: 24 Sep 90 19:42:27 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Mon Sep 24 20:42:27 1990

Anyone out there ever built their own capacitors? I need a few
ufd (maybe 2-10?) at 10-20Kv, with low impeadance. I'd rather
avoid oil dialectric (messy) if possible. DIalectric suggestions
welcome.

I also need a good, fast high-v switch, something easily obtainable that
won't require a license (:)). I'm contemplating building my own
triggered spark gap switch using a trigger transformer...

mike ke8yy   medelma@cms.cc.wayne.edu medelma@waynest1

From 6223799277112939618
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4bcecbb376b21c23,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-24 16:27:23 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio

Subject: UK No-code license and technical ability.
Message-ID: <24.Sep.90.18:24:57.BST.#9166@UK.AC.NWL.IA>
Date: 24 Sep 90 17:13:18 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 88
Posted: Mon Sep 24 18:13:18 1990

Robert Carpenter <rc@cmr.ncsl.nist.gov> makes the following points...

> NO-CODE LICENSEES LOWER TECHNICAL LEVEL IN GREAT BRITAIN
>
> 17. The experience in Great Britain seems to disprove the contention by Philip Karn, Brian Kantor, and others, that a no-code license would bring in many highly technical amateurs. The British have had a no-code, VHF-and-up license for more than 25 years. It has the same written exam as their full license. I understand that there are approximately equal numbers of no-code and with-code licensees. I have totaled, by license class, all of the authors of all the technical articles in all the 1989 issues of Radio Communication, the most important British amateur radio journal. There were 57 technical articles, 3 were written by no-code licensees, 4 were by foreign hams (most/all held full licenses) and one was written by an unlicensed person. The other 49 were written by full-code (12-wpm) licensees. In fact the authors of over half the papers (29) were licensed before 1964, the date the first British no-code license was issued, and thus could not have even entered amateur radio by the no-code route! If 50%

See later comment about RSGB being elitist clique

> of the British amateurs are no-code licensees, yet they write only 5% of the technical articles, I conclude that the British

How does the saying go? 'Those that can, do; those that can't, write'

> no-code license is a refuge for less-technically-capable people,

I feel insulted by the above statement. I do not consider myself 'Less technically capable' just because i am unable to behave as a rather inefficient modem!

> even though the minimum entry level is set by the same written examination as for their full license. I doubt that a no-code

The RSGB only represents about 1/2 of the amateur population in the UK. Many UK Hams consider the RSGB to be an elitist clique.
The 'Technical articles by no-code licensees' are ghettoised into the Packet and Microwave Newsletters (available at extra cost!) and so will not appear in the citation-counting referred to above.
The RSGB do NOT represent the whole of the UK ham population by

any means.
(BTW, I am a member of the RSGB; trying to change the organisation
from within)

>
>25. While researching the technical level of no-code licensees in
>Great Britain, I came across a requirement of the British licens-
>ing regulations that must become part of the US regulations,
>should the Commission adopt a no-code license. The British

But you dont *HAVE* to slavishly copy *ALL* our mistakes!

>correctly assume that, since their no-code licensees have not
>demonstrated their knowledge of the Morse code, the code they
>send may be unreadable. Thus, the British require no-code licen-
>sees to identify their code transmissions by voice. This means
>that no-code licensees may only use code in those band segments
>also authorized for voice.

There are no such 'Voice-only' bands in the UK!!.
The 'band plan' is entirely voluntary. We are allowed to identify
using voice *OR* Morse (and are required to do so when operating
Packet/SSTV/RTTY/FAX *IRRESPECTIVE OF THE CLASS OF LICENSE HELD*)
To us Europeans, the idea of 'CW-only', 'Voice-only' etc subbands
looks like restrictive and Stalinesque behaviour by the FCC.

IMHO, denigrating us no-coders because we fail to write/publish articles in
RADCOM is false... Are you similarly going to denigrate all those who are
involved in radio but who dont hold Ham licenses as being 'second class
citizens' because they dont take the Ham exam?
I fail to see how learning CW would in any way further my ham radio interests
since even if forced to learn it, I would be unlikely to ever make use of it.
(Machines are so much better at reliably copying digital data, whether it
was originally generated by man or machine ; damn it, they can even do it
when i am not there!).
Why should i have to be a modem? You might as well expect me to generate
RF direct without the intervention of electronics.
(Maybe that will be the next thing in incentive licensing; proven
ability to hold QSOs by telepathy?)

Pete Lucas G6WBJ PJML@UK.AC.NWL.IA 0793-411613
(a no-code, 'technically-less-competent' Ham; and proud of it!!)

From -6395859617195923926
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1cc9e4f55fd8a487
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-24 18:08:09 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!col!bobw
From: bobw@col.hp.com (Bob Witte)

Newsgroups: rec.ham-radio
Subject: Re: 2m to Mexico?
Message-ID: <27080012@col.hp.com>
Date: 24 Sep 90 14:49:35 GMT
References: <445@public.BTR.COM>
Organization: HP Colorado Springs Division
Lines: 56
Posted: Mon Sep 24 15:49:35 1990

Excerpts from the ARRL handout on operating in Mexico
[dated June 1988, approx.]

The United Mexican States has not entered into a reciprocal licensing/operating agreement with the United States (though the two countries share a third-party traffic agreement).

Mexico, however, issues operating permits to U.S. amateurs on a courtesy basis. Upon arrival in Mexico, visit the nearest Delegacion Regional de Concesiones y Permisos de Telecomunicaciones. There are many offices througout the country, and a list of them is available from the ARRL Regulatory Information Branch for a business-size SASE.

You should take the following:

- A written request for a temporary operating permit, which contains information on your equipment, address in Mexico (friend or hotel/motel) and automobile.

- A copy of your tourist card or visa (issued free of charge by the Mexican consulate located in many U.S. cities or by the immigration office in Mexico).

- An HD-1 tax receipt for a license fee (37,000 pesos, or $26, as of September 1987) paid by you at the nearest Office of Secretaria de Hacienda y Credito Publico.

- A copy of your FCC license

[stuff deleted]

Guest operation by foreign amateurs of XE stations is permitted.
[stuff deleted]

Phone patch operation is discouraged except in emergency communications.

The following are editorial comments by KB0CY (based on talking to several US amateurs who hold XE licenses)

* The actual procedures seem to vary, depending on where you are

in Mexico.

* The license is good for the same length of time as your tourist card which is usually 6 months. It is not easily renewed -- it requires the same fee & hassle all over again.

* It takes about 1/2 day to obtain the license (if things go well).

* The latest info can be obtained from the ARRL for an SASE.

* Contacting a local amateur or someone who has obtained a license recently is very helpful.

From -2812173331466624129
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85d898972d171d32,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-24 18:32:20 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!uoft02.utoledo.edu!grx0644
From: grx0644@uoft02.utoledo.edu (Tony Schliesser)
Newsgroups: rec.ham-radio
Subject: For Commodore Computer Users
Message-ID: <1990Sep24.170839.1740@uoft02.utoledo.edu>
Date: 24 Sep 90 22:08:39 GMT
Organization: University of Toledo -- College of Pharmacy
Lines: 14
Posted: Mon Sep 24 23:08:39 1990

I am offering to anyone who has a Commodore 64 or a Commodore 128 and a Pro-2005/4 a program that will help you keep track of your scanner memory. The c64 version is compiled and runs as fast as the C128 version in 2Mhz. If anyone is interested send E-Mail directly to me and we'll make arrangements for transfering the program.....Both are rather short (about 25k),
but offer features that a program of such nature should include. They are being released on the shareware concept. Since I am not able to keep up with this newsgroup, I am asking that all responces are directed to me.

Thanks,

Tony
--
Grx0644@UofT02.utoledo.edu

From 4981158296466136574
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85adf041d89897b8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,85adf041d89897b8,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-09-24 18:40:21 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!cs.utexas.edu!mailrus!

accuvax.nwu.edu!midway!ellis.uchicago.edu!gary
From: gary@ellis.uchicago.edu (gary buchholz)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Help with AEA PK-232 and Ka9q package. . .
Message-ID: <1990Sep24.201030.23612@midway.uchicago.edu>
Date: 24 Sep 90 20:10:30 GMT
Sender: news@midway.uchicago.edu (News Administrator)
Organization: University of Chicago
Lines: 34
Xref: gmdzi rec.ham-radio:15100 rec.ham-radio.packet:2822
Posted: Mon Sep 24 21:10:30 1990

Was wondering if anyone in net-land could help me with this.

I have packet station consisting of a MacSE, AEA PK232 and a Kenwood 731A. I'm trying to get the ka9q TCP package to work. The software starts up fine on the Mac - no problem. But, I'm unable to make any connections. Specifically, my first attempt, as a test, was to try to get the AX.25 protocol to work to connect up to my local Net/ROM node - CAPRA (Chicago Area Packet Radio Assoc.)

The ka9q software will not key the transmitting and I'm stuck in a "connection pending" condition. I have some thoughts on this and think the problem is that I have not entered KISS mode on the PK232 with the correct parameters.

As far as "nornal" packet operation is concerned... evertthing works fine so I know I have the connections (cables) set up properly.

I have PK232 firmware dated 19.Jul.90. The Tech manual gives a set of instructions for what paramters need to be set before going KISS. The 19.Jul.90 firmware revision says all I need to do is say "KISS ON" and warns that entering KISS mode sets certain parameters.

So, if anyone out there has any insight on this - I'd appreciate it. If anyone has a PK232 and a MacSE running ka9q ... can you verify that in fact this works... or does not work... or disclose the incantation that will make it work.

Thanks,
  Gary (New packet user)
--
Gary Buchholz   gary@midway.uchicago.edu
University of Chicago   xasgary@uchimvs1 [BITNET]
Academic and Public Computing   N9KAW [real aether-net]
1155 East 60'th St., Chicago, Ill.   (312) 702-7611

From 4610839357262488791
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8469975ea57a300d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8469975ea57a300d,start

X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-09-25 00:27:19 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!haven!decuac!bacchus.pa.dec.com!rust.zso.dec.com!stoppani
From: stoppani@rust.zso.dec.com (Pete Stoppani)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Trap Antenna VS. Random Wire/Tuner?
Message-ID: <1323@rust.zso.dec.com>
Date: 24 Sep 90 16:58:46 GMT
Followup-To: rec.radio.shortwave
Organization: DECwest, Digital Equipment Corp., Bellevue WA
Lines: 28
Xref: gmdzi rec.radio.shortwave:2203 rec.ham-radio:15101
Posted: Mon Sep 24 17:58:46 1990

I currently have an ICOM R70 connected to a 70' wire antenna and am wondering what is the best step to take toward a better antenna system. The choices that I've considered are the following:

1) Get an antenna tuner and use it with the 70' wire.

2) Get an antenna with traps (Alpha Delta Sloper).

3) Cut my wire antenna to the most useful length for the broadcast bands (vs HAM bands where it seems that 66' is a popular length).

What I'd like to know is what are the advantages/disadvantages of each option and which one will get me the most bang for the dollar?

Also, what do others do about protecting their radios from spikes from the antenna caused by static electricity and lightning?

Thanks in advance.

```
--
| Pete Stoppani          | stoppani@decwet.dec.com                      |
|  DECwest Engineering   | decwrl!fungus.enet!stoppani                  |
|  Bellevue, WA          | stoppani@fungus.zso.dec.com                  |
| "The wise learn more from fools than fools learn from the wise."   |
```

From -4818807029810116276
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1ba945fa99b861e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 04:24:43 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!psuvax1!rutgers!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)

```
Newsgroups: rec.ham-radio
Subject: Re: Why is aviation radio AM?
Message-ID: <30061@netnews.upenn.edu>
Date: 24 Sep 90 20:50:10 GMT
References: <44784@apple.Apple.COM> <1614@ntmtv.UUCP>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 33
Posted: Mon Sep 24 21:50:10 1990

In article <1614@ntmtv.UUCP> adrian@ntmtv.UUCP (Adrian Brandt) writes:
>From article <44784@apple.Apple.COM>, by chuq@Apple.COM (The Wandering Phew):
>>>>My guess is that (1) converting to FM would be super expensive for airlines
>
>> Actually, it's simpler than that. Safety. If you have two AM radios on
>> the same frequency, they'll garble each other. FM is more likely to
>
>Are you sure this is the reason?  Why then don't all critical transmissions
>take place on AM?  I scan local police regularly.  When they have broadcasting
>collisions they are always quite noticeable and they're using FM...

From what I remember, most narrow band FM receivers will capture only
one of the transmissions if it's approximately twice as strong as
the other (3dB).  If it's more than 3dB down, the interfering signal
may still cause some distortion of the stronger signal, but to a lesser
degree.  The weaker the offending signal is compared to the stronger
signal, the less noticible the interefernce will be.

In your local police example, the various officers are almost
always within DFQ range of the repeater, so typically collisions will
be heard since the signal strengths are relatively close.  In an
aviation situation, one plane may be nearing the runway while
another is 100 miles out.  In this case, the nearby plane would
probably totally mask the other on FM, but on AM, there would
still be noticible distortion.

                                 --- Jeff

--
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
Jeff DePolo  N3HBZ             Twisted Pair: (215) 386-7199
depolo@eniac.seas.upenn.edu    RF: 146.685- 442.70+ 144.455s (Philadelphia)
University of Pennsylvania     Carrier Pigeon: 420 S. 42nd St. Phila PA 19104


From 182282071114990178
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bed8e0d8446be39a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 04:34:26 PST
Path: gmdzi!unido!mcsun!uunet!optilink!elliott
From: elliott@optilink.UUCP (Paul Elliott x225)
```

Newsgroups: rec.ham-radio
Subject: Re: Performance of QRP/homebrew transmitters and receivers
Summary: _Solid_State_Design_For_The_Radio_Amateur_
Keywords: QRP
Message-ID: <4516@optilink.UUCP>
Date: 24 Sep 90 16:13:51 GMT
References: <1990Sep24.011047.8509@uokmax.ecn.uoknor.edu>
Distribution: rec
Organization: Optilink Corporation, Petaluma, CA
Lines: 55
Posted: Mon Sep 24 17:13:51 1990

In article <1990Sep24.011047.8509@uokmax.ecn.uoknor.edu>,
norlin@uokmax.ecn.uoknor.edu (Norman Lin) writes:

> Is it realistic to expect to be able to have any communication at all with, for instance, a one or two transistor crystal oscillator? In almost every publication I have seen, a crystal oscillator is shown as the simplest "transmitter," but no indications of actual useability are given. Has anyone out there gotten reasonable performance out of a one/two transistor oscillator?

You can have quite good results with power outputs in the 100 mW to 1 W range; easily obtained with a couble of transistors. Crystal control is easier to design and get stable operation with, but it really isn't that much more difficult to get a VFO running.

> On a similar note, is it feasable to build a useable (in terms of CW selectivity/sensitivity) simple receiver? (For me, "simple" means the circuit diagram will fit easily on one page -- a couple of transistors and IC's.) I have experimented very briefly with a regenerative circuit but it left much to be desired.

Don't bother with the regenerative receiver, except as an exercise in history. The simplest receiver is the "direct conversion", and while it has it's drawbacks, it is entirely usable.

Be careful that you don't set unnecessarily stringent performance requirements for your rig. It is nice to have a real hot-dog high-tech multiband transceiver with 120 dB 3rd order IMD, 250 Hz CW filters, 1 Hz resolution synthesized VFO, etc., but neither you nor I can afford one of those. To compensate, I have occasionally set as a goal something like this:
"Design and get working the cleanest 40 meter CW transceiver possible, using less than 100 mA @ 12V, and fit it on a 3" x 5" circuit board."

This gets me on the air, and instead of feeling ashamed of my rig, I am (justifiably) proud of it. Just get on the air!

One of the best sources of information on homebrewing (especially small-scale homebrewing) is _Solid_State_Design_For_The_Radio_Amateur_ , by Wes Hayward and Doug DeMaw, published by the ARRL. The cover price on my issue is $12.00, and it has more usefull information than most $50.00 textbooks. _The_ARRL_Handbook_ is also an essential source for the homebrewer.

If you, (or anyone else,) would like to brainstorm some more on the topic of homebrewing, let me know. My "hot buttons" are SIMPLICITY, ELEGANCE, SMALL SIZE, LOW COST, and the ever elusive WOW, THAT'S *NEAT!* factor.

-Paul, wb6cxc

--
Paul M. Elliott   Optilink Corporation   (707) 795-9444
{uunet, pyramid, tekbspa}!optilink!elliott
"an archetypal entity..., superimposed on our culture by a cosmic template."

From -7610194523243912740
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,671b3160836343eb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 06:33:10 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!apple!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Re: SWBC harmonics on 10 meters
Keywords: SWBC SWL RFI harmonics 10meters
Message-ID: <4102@altos86.Altos.COM>
Date: 24 Sep 90 19:51:19 GMT
References: <1990Sep20.174838.23661@cbnewsj.att.com>
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 15
Posted: Mon Sep 24 20:51:19 1990

In article <1990Sep20.174838.23661@cbnewsj.att.com> kb2glo@cbnewsj.att.com (thomas.kenny) writes:
}time. Well I heard a lot of DX from Europe on the band and heard some
}classical music around 28.800. I wondered what jerk out there is playing
}music. Then I came across the carrier and realized it was AM. I of course

Amateurs in certain other countries can legally broadcast music on the ham bands...

--
Jerry Gardner, NJ6A   Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos!jerry   2641 Orchard Parkway
Internet: jerry@altos.com   San Jose, CA 95134
Guns don't kill people, bullets do.   (408) 432-6200

From -3985179612647073272
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c9bfc77765ff87bb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,1fb99f0d9ab8c690,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-09-25 06:46:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!apple!agate!linus!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: sw Interference
Keywords: Interference
Message-ID: <108997@philabs.Philips.Com>
Date: 25 Sep 90 13:46:32 GMT
References: <1134@larry.sal.wisc.edu> <9499@uhccux.uhcc.Hawaii.Edu>
Sender: news@philabs.Philips.Com
Reply-To: rfc@briar.philips.com.UUCP (Robert Casey)
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 25
Xref: gmdzi rec.ham-radio:15166 rec.radio.shortwave:2230
Posted: Tue Sep 25 14:46:32 1990

In article <9499@uhccux.uhcc.Hawaii.Edu> (John P. Shalamskas) writes:
+
+Speaking of mysterious carrier signals, how about the one at 28.636?
+It is the 8th harmonic of the TV colorburst frequency. Those TV sets
+that surround us are quite strong even at the 8th harmonic.

Just wait 'til digital TV comes out in a big way! The digital system clock will be a harmonic of the 3.579545 Mhz colorburst freq. So, you'll hear

7.15909
10.738635   (should be interesting for FM bc radios!)
14.31818
17.897725
21.47727
25.056815
28.63636

TVs with picture-in-picture have digital circuitry (you need a digital memory to store the info, it's a FIFO that operates at erattic speeds and delays).

One thing that should help us some: the 16th harmonic of 3.579545Mhz is in the middle of TV channel 2 (57.27272Mhz). So, the TV will need to have its digital stuff well shielded so you could watch channel 2.

73 de WA2ISE

From 3364847328782243770
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,f442bd7c71f7df94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 07:52:40 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!hp-pcd!hplsla!tomb
From: tomb@hplsla.HP.COM (Tom Bruhns)
Newsgroups: rec.ham-radio
Subject: Re: High-tension towers
Message-ID: <5720081@hplsla.HP.COM>
Date: 24 Sep 90 18:55:37 GMT
References: <85934@aerospace.AERO.ORG>
Organization: HP Lake Stevens, WA
Lines: 9
Posted: Mon Sep 24 19:55:37 1990

In addition to the other comments, I'd add that the Hallicrafters you made your tests with probably has no noise blanker. I would expect the impulse-type noise from the corona to be a good candidate for elimination/great reduction by a noise blanker. In fact, you might want to see if you can get your hands on some various modern radios with blankers to try: some are much more effective than others...

73,
K7ITM

From -8855598209466271823
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,78fc7408d476a703
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,f17ba892e818ba5
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-09-25 08:14:37 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!dali.cs.montana.edu!milton!whit
From: whit@milton.u.washington.edu (John Whitmore)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Eico dip meter - Help!!
Summary: Pestering Larry Lippman to do some of the hard work...
Message-ID: <8066@milton.u.washington.edu>
Date: 25 Sep 90 01:55:15 GMT
References: <4049@kitty.UUCP> <3113@vela.acs.oakland.edu> <4052@kitty.UUCP>
Organization: University of Washington, Seattle
Lines: 27
Xref: gmdzi sci.electronics:8806 rec.ham-radio:15107
Posted: Tue Sep 25 02:55:15 1990

In article <4052@kitty.UUCP> larry@kitty.UUCP (Larry Lippman) writes:
>In article <3113@vela.acs.oakland.edu>, swood@vela.acs.oakland.edu (EVENSONG) writes:
>> Hey! The 710 is the very animal that I have. (Eico 710
>
>   Get some 0.75" OD plexiglass tubing and cut it in 2.5 inch lengths.

>
>   The grid dip meter is tuned *solely* by the inductance of the
>coil; there is obviously no bandswitch on the instrument. While the
>3 lower frequency coils may be tricky since they are tapped and I cannot
>estimate the turns, the higher frequency coils from 2.9 MHz to 250 MHz
>should be easy to build.
> ... [more helpful information, followed by]
>
>   I can't do much more than tell you the above.

But if you've got a working grid dip meter, you can tell him the inductance of the taps on the coils; just clip a capacitor onto the taps and measure away with ... a grid dip meter. Since the things are low frequency coils with the inbuilt tuning capacitor (circa 50 pF), this will likely require using either another grid dip meter, or measuring only the higher-frequency tapped coils ('cuz you're unlikely to be able to estimate the stray capacitance better than a large fraction of that 50 pF.)

The inductance, of course, goes as the square of the turns ratio.

John Whitmore

From -5063244000441346757
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2862ba03294dc91c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 09:14:30 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Radio Propagation and Nuclear Winter ?
Message-ID: <7880294@hpfcdc.HP.COM>
Date: 25 Sep 90 16:14:30 GMT
References: <9009181856.AA27614@ucsd.edu>
Organization: HP Fort Collins, Co.
Lines: 13
Posted: Tue Sep 25 17:14:30 1990

Anybody care to venture a guess what transmission mode will be most successful just after the initial EMP ? No... It couldn't be ... HF CW ? Gak. That's even scarier than The Bomb itself.

It certainly wouldn't be packet, because all the digipeaters on those high hilltops will have had the smoke let out of them. Ditto for VHF NBFM repeaters.

More serious question - assuming high atmospheric ionization, which band comes back first ? 160 meters ? Will UHF/VHF simplex work first ?

Perry Scott

KF0CA

From -2857297717458172187
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2518881667ad941
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 09:23:20 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Dipole antenna design
Message-ID: <7880295@hpfcdc.HP.COM>
Date: 25 Sep 90 16:23:20 GMT
References: <1366@eastman.UUCP>
Organization: HP Fort Collins, Co.
Lines: 22
Posted: Tue Sep 25 17:23:20 1990

>>2) At what point does the o.d. of the antenna elements become significant
>>   WRT frequency?
>
>The rule of thumb is that while the length to diameter ratio is 1000 or
>greater, the diameter is unimportant except in a structural sense. As
>the antenna becomes "fatter" than 1000/1 the bandwidth increases. Eventually
>this can reach a point where the resonance peak becomes so small that you
>have a nonresonant antenna for all practical purposes. An L/D of less than
>10 would be an example of a nearly nonresonant antenna.

Rather than "nonresonant", I prefer to think of a fat antenna as "wideband".
Radiation characteristics are unchanged by L/D ratio.

Re: aperture

If you're concerned about capturing more microvolts at 70 cm, try a more
complicated antenna, like a center-fed 3/2-wave, loop, or collinear design.
All have better gain than a dipole.

Perry Scott
KF0CA

From 1562848080409965091
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe7ddd1201a7435c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 09:26:25 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio

Subject: (none)
Message-ID: <9009250155.AA17181@tilde>
Date: 25 Sep 90 01:55:01 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Tue Sep 25 02:55:01 1990

From: CPDVAX::DUBE   24-SEP-1990 00:13:57.70
To: INFOHAMS
CC: DUBE
Subj: radio prop. in a nuclear war

Don Perley writes:
> If there is a nuclear war, I don't think cancelling ham radio will
be a high priority action item in the 2 hour war scenario.
I don't think that what is meant is to cancel it. Propagation will be
totally disrupted, and cancelling won't be necessary.   Probably tyhe only
radio contacts would be by very low frequency ground wave propagation. But
you have a good point in that within a short time the point would become
moot following a full-scale nuclear exchange. World powers are aware of
this and are gravely concerned about it, botu I'm not so sure of "emerging"
and third-world countries. Are there any ham bands below 100 kHz?
73,   Dube   N5PDK

From -7428815635276711788
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6748977bd9f8940,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 12:05:30 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!
sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Code Tset Gimmick. Was: Ham Radio Liscence
Message-ID: <1250234@hpnmdla.HP.COM>
Date: 25 Sep 90 19:05:30 GMT
References: <66@casbah.acns.nwu.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 17
Posted: Tue Sep 25 20:05:30 1990

>During the playing of the tape, write down the dot-dash sequences,
>rather than the letters. The tape goes so painfully slow that this
>is actually a workable strategy.

>After the tape is over, you have as much time as you want to play
>"fill in the blanks." Fill in the ones you memorized, then try to
>figure out some of the words. "T _ E" is likely to be "THE". Then
>if you find the same pattern as the "H", try putting an H
>in those other spots as well.

I was a VE at a novice exam recently where one of the candidates
tried this and failed miserably. We then ran another test for her.
This time she copied the conventional way and passed! (barely)

Why not just learn the code. It might even come in handy someday.

AL N1AL

From -2069952924174436667
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c08e0ce452efb3a2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 12:21:16 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Making capacitors
Message-ID: <1250235@hpnmdla.HP.COM>
Date: 25 Sep 90 19:21:16 GMT
References: <9009241951.AA07406@ucsd.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 23
Posted: Tue Sep 25 20:21:16 1990

>Anyone out there ever built their own capacitors? I need a few
>ufd (maybe 2-10?) at 10-20Kv, with low impeadance. I'd rather
>avoid oil dialectric (messy) if possible. DIalectric suggestions
>welcome.

I don't know what to do for a few uF, but if you're after a few hundred
pF, I can recommend teflon printed-circuit board. (Don't use
regular epoxy board for high-power RF; the losses cause enough heat
to burn up the board.)

Etch the copper a tenth of an inch of so around all the edges so it
won't flash over. If you need over a few hundred volts of RF, you
will have to coat the board with an anti-corona material. Spray
it on to avoid bubbles. Best is high-voltage paint ("dope"), but
I seem to remember that hardware-store spray paint works well too.

If you ever open up a Drake MN-2700 kilowatt antenna tuner, check
out the fixed HV capacitors mounted under the "bread slicer" variable
caps. They are constructed this way.

AL N1AL

From 7892809373203903376
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,5a06d43f320b2c4a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 12:23:57 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!apple!julius.cs.uiuc.edu!
zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Did you read this book?
Message-ID: <1250236@hpnmdla.HP.COM>
Date: 25 Sep 90 19:23:57 GMT
References: <480@wybbs.mi.org>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 6
Posted: Tue Sep 25 20:23:57 1990

It was one of the Thomson "Tommy Rockford" series of ham radio novels
for kids. I think the grid-dip episode occurs in "DX Brings Danger".

There are 3 or 4 of these books, all available from ARRL.

AL N1AL

From -2101625705283231199
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,78fc7408d476a703
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,f17ba892e818ba5
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-09-25 12:25:36 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!leah!bingvaxu!ub!kitty!larry
From: larry@kitty.UUCP (Larry Lippman)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Eico dip meter - Help!!
Summary: It's really quite simple...
Message-ID: <4052@kitty.UUCP>
Date: 24 Sep 90 23:12:53 GMT
References: <3110@vela.acs.oakland.edu> <4049@kitty.UUCP>
<3113@vela.acs.oakland.edu>
Organization: Recognition Research Corp., Clarence, NY
Lines: 35
Xref: gmdzi sci.electronics:8807 rec.ham-radio:15109
Posted: Tue Sep 25 00:12:53 1990

In article <3113@vela.acs.oakland.edu>, swood@vela.acs.oakland.edu (EVENSONG)
writes:
> Hey! The 710 is the very animal that I have. (Eico 710, 8 bands from
> .4-250 MC)
>
> Any one have any hints on how to create and tweak coils for this animal?
> Pretend I don't know anything about building resonant coils for dip meters,
> and you won't be far from off.

Get some 0.75" OD plexiglass tubing and cut it in 2.5 inch lengths. You'll have to use some ingenuity in fabricating pins to fit the socket on the end of the grid dip meter. Heavy solid wire, like some tinned 12 AWG may be about right.

The grid dip meter is tuned *solely* by the inductance of the coil; there is obviously no bandswitch on the instrument. While the 3 lower frequency coils may be tricky since they are tapped and I cannot estimate the turns, the higher frequency coils from 2.9 MHz to 250 MHz should be easy to build.

Just start with winding a coil based upon the description in my previous article. All you need to test is a sensitive frequency counter. Set the scale on the grid dip meter to a given frequency. Take the test leads from the counter and loosely wrap a turn around the coil form for inductive coupling. Merely add or remove turns on the coil until the grid dip meter calibration matches the reading on the frequency counter.

These coils, by the way, are not exactly hi-Q, so I wouldn't sweat your fabrication technique.

I can't do much more than tell you the above.

```
Larry Lippman @ Recognition Research Corp.  "Have you hugged your cat today?"
VOICE: 716/688-1231   {boulder, rutgers, watmath}!ub!kitty!larry
FAX:   716/741-9635                  {utzoo, uunet}!/      \aerion!larry
```

From -8833895131556574880
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a846005af4cd8224
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 12:27:25 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!csus.edu!ucdavis!uop!quack!mrapple
From: mrapple@quack.sac.ca.us (Nick Sayer)
Newsgroups: rec.ham-radio
Subject: Re: Ham Radio Liscence
Message-ID: <a66130.1f72@quack.sac.ca.us>
Date: 25 Sep 90 02:56:59 GMT
References: <66@casbah.acns.nwu.edu> <7880290@hpfcdc.HP.COM>
Organization: The Duck Pond, Stockton, CA
Lines: 52
Posted: Tue Sep 25 03:56:59 1990

ajs@hpfcdc.HP.COM (Alan Silverstein) writes:

>> Do I have to know Morse code or has that changed?

>Yeah, unfortunately, 5WPM.

Actually, no. You have to pass a 5 WPM test, but that has little to do with actually being able to copy code at 5 WPM. Here's what you do:

Learn as many as you can: E, T, R, I, N, O, A, and S is a good start. Also learn the numbers pattern.

During the playing of the tape, write down the dot-dash sequences, rather than the letters. The tape goes so painfully slow that this is actually a workable strategy.

After the tape is over, you have as much time as you want to play "fill in the blanks." Fill in the ones you memorized, then try to figure out some of the words. "T _ E" is likely to be "THE". Then if you find the same pattern as the "H", try putting an H in those other spots as well.

Most VEs give you a choice of passing by 1 minute of solid-copy, or getting 7 out of 10 on a multiple-choice content quiz.

Using my "learn 8 letters and bulls__t" method, 5 out of 6 people I've recommended the method to passed on their first try. The remaining one did it on his second try. Can any of these guys work CW? Probably not. All of them immediately went on to Technician and are 2 meter and packet operators, so they really could care less.

Is this against the spirit of the rules? I suppose. Is it illegal? Heck no, unless the FCC decides to change the test requirements. Is it blasphemous? That depends on how much flame-mail I get from this post, doesn't it? :-)

My stance on no-code? Two licenses: Technician and General. Technician has a 50 question mostly rules test, but grants no HF privs. General has a 12 wpm code test and a 20 question mostly theory test, and grants current Extra privs. The ARRL would probably freak, but anyone who's seen my QSL card knows what I think of them... :-)

Well, let me mosey on over to the fire extinguisher and don my asbestos long-johns...

```
--
Nick Sayer              |  Disclaimer:
N6QQQ [44.2.1.17 soon]  |    "Just because you're reading my post doesn't
mrapple@quack.sac.ca.us |     mean we're gonna take long showers together."
209-952-5347 (Telebit)  |                        -- Gunnery Sgt. Thomas Highway
```

From -2661389617359323575
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c653cdbfc629d684,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 12:31:46 PST
Path: gmdzi!unido!mcsun!uunet!samsung!know!zaphod.mps.ohio-state.edu!ncar!boulder!

ub!oswego!news
From: dayger@penelope.Oswego.EDU
Newsgroups: rec.ham-radio
Subject: Mass Thanks
Message-ID: <1990Sep25.032900.23860@oswego.Oswego.EDU>
Date: 25 Sep 90 03:29:00 GMT
Reply-To: dayger@penelope.Oswego.EDU ()
Organization: Instructional Computing Center, SUNY at Oswego, Oswego, NY
Lines: 20
Posted: Tue Sep 25 04:29:00 1990

Thanks are extended to those sent replies to my request for information:

jimv@East.Sun.COM (Jim Vienneau - Sun Microsystems)

tjonz@Corp.Sun.COM (Todd Jonz, KB6JXT)

larson@snmp.sri.com (Alan Larson)

Clark Savage Turner <turner@ICS.UCI.EDU>

stevew@wyse.com (Steve Wilson x2580 dept303)

!edg@acsu.buffalo.edu (Edward Greenberg)

william@acsu.buffalo.edu (Bill Buhnerkempe)

mikey@acsu.buffalo.edu (Mike Shirley)

- Tim
dayger@oswego.oswego.edu

From 829003815389019556
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c7ec8bbf1db99cae,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 12:39:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!SC.INTEL.COM!RHAREL%FAB8
From: RHAREL%FAB8@SC.INTEL.COM ("CAL-LAB ", MS:JER2-85 TEL:7589)
Newsgroups: rec.ham-radio
Subject: Needed: ICOM 2SAT Mods
Message-ID: <9009252058.AA00889@ucsd.edu>
Date: 25 Sep 90 19:39:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Tue Sep 25 20:39:00 1990

I know of someone who has the European version of the ICOM 2SAT
handie talkie and was able to modify the receiver to go from
80 Mhz up past 174 Mhz by reseting the uP. He did this all from

the keypad. When tried on the American version - no go.
Can anyone tell me if this Rx mod is possible on the American version ?

Tnx,
Rich

```
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
Internet:                |Pigeon:          |Land Line:  |Packet:|Heart:
RHAREL%FAB8@SC.INTEL.COM |P.O. BOX 6457    |972-2-785578|4X1DA  |Cute blondes
                         |JERUSALEM, ISRAEL|            |@4Z4SV |with blue eyes
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
```

```
From -5467253721765395714
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bed8e0d8446be39a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 13:23:28 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!sdd.hp.com!
uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!swrinde!ucsd!pacbell.com!
pacbell!ptsfa!dmt
From: dmt@PacBell.COM (Dave Turner)
Newsgroups: rec.ham-radio
Subject: Re: Performance of QRP/homebrew transmitters and receivers
Keywords: QRP
Message-ID: <5415@ptsfa.PacBell.COM>
Date: 25 Sep 90 20:23:28 GMT
References: <1990Sep24.011047.8509@uokmax.ecn.uoknor.edu> <57680@microsoft.UUCP>
Reply-To: dmt@PacBell.COM (Dave Turner)
Distribution: rec
Organization: Pacific * Bell, San Ramon, CA
Lines: 12
Posted: Tue Sep 25 21:23:28 1990
```

In article <57680@microsoft.UUCP> mikemr@microsoft.UUCP (Michael MRAZ) writes:

>
> What about buying older tube-type gear and then rebuilding it?
> There are some excellent tube-type rigs out there (Collins, etc.)

I have a magazine article at home (possibly in Ham Radio) that describes a Collins conversion. If there is any interest I'll find it and post a reference.

```
--
Dave Turner   415/823-2001  {att,bellcore,sun,ames,decwrl}!pacbell!dmt
```

```
From -5041610532156660490
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ba7e5bae5da618a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 13:32:08 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!matt.ksu.ksu.edu!steve
```

From: steve@matt.ksu.ksu.edu (Steve Schallehn)
Newsgroups: rec.ham-radio
Subject: Where is Dove?!? : The summary
Keywords: Dove schedule : Replies
Message-ID: <1990Sep25.065817.11133@maverick.ksu.ksu.edu>
Date: 25 Sep 90 06:58:17 GMT
References: <1990Sep18.001532.7063@maverick.ksu.ksu.edu> <55@gsy1.UUCP>
Sender: news@maverick.ksu.ksu.edu (The News Guru)
Organization: Kansas State University
Lines: 22
Posted: Tue Sep 25 07:58:17 1990

I would like to thank everyone for their replies. Yes, DOVE
still seems to be on the air, but without the digitalker.
Here is the best scoop I got by mail:

>From: John Magliacane <kd2bd%ka2qhd.de.com@RELAY.CS.NET>
>
>Try listening between the hours of 10 to 1 o'clock AM/PM. Yes, DOVE is still
>operating and it's running about 3 watts at the present time. I just copied
>telemetry last night. Be advised that a software upload will be occurring
>sometime soon, so it'll be off the air during that time. I would assume that
>after the upload is complete, it'll be talking.
>73, de John, KD2BD

I have never got a successful copy of any data off of DOVE (Packet
gear bleeds onto the DOVE frequency), but am going to keep trying.

Tanks for all the replies.

-Steve Schallehn, KB0AGD
 Kansas State University

From 3749860700392776310
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,44ded06a3eafa383,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 14:01:20 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpfcso!vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: ARRL PFB NR 39
Message-ID: <7500030@hpfcso.HP.COM>
Date: 25 Sep 90 21:01:20 GMT
References: <1660@n8emr.UUCP>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 30
Posted: Tue Sep 25 22:01:20 1990

/ hpfcso:rec.ham-radio / gws@n8emr.UUCP (Gary Sanders) / 9:52 pm Sep 24, 1990 /

```
==============================================================
|         Relayed from packet radio via                      |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

ZCZC AP43
PROPAGATION FORECAST BULLETIN 39 ARLP039

AMERICAN SUNSPOT NUMBERS FOR SEPTEMBER 13 THROUGH 19 WERE 163, 182, 152, 137, 128, 119 AND 131 RESPECTIVELY, WITH A MEAN FIGURE OF 144.6. SOLAR FLUX NUMBERS AS REPORTED BY WWV FOR THE SAME TIME PERIOD WERE 194, 206, 203, 200, 205, 203 AND 208, WITH A MEAN FIGURE OF 202.7. AR

Has anyone collected a complete database of sunspot and solar flux numbers they could share by posting here or via Email. I'd sure appreciate it.

I'm interested in the recent data for planning HF operation along the 28 day cycles. The past years information would be interesting to correlate with my successes and non-successes on 10 meters.

Thanks.

Bill Vodall - WA7NWP - "Soon to be running packet on 51.7Mhz"

From -7757133530044041006
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bed8e0d8446be39a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 14:05:33 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!know!zaphod.mps.ohio-state.edu!swrinde!ucsd!pacbell.com!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!e2big.mko.dec.com!decabo.dec.com!brewer@ace.dec.com
From: brewer@ace.dec.com (John Brewer)
Newsgroups: rec.ham-radio
Subject: Re: Performance of QRP/homebrew transmitters and receivers
Message-ID: <52@decabo.dec.com>
Date: 25 Sep 90 21:05:33 GMT
Sender: news@decabo.dec.com
Distribution: rec
Organization: Digital Equipment Corporation
Lines: 21
Posted: Tue Sep 25 22:05:33 1990

In article <108811@philabs.Philips.Com>, rfc@briar.Philips.Com (Robert Casey)

writes...
>In article <1990Sep24.011047.8509@uokmax.ecn.uoknor.edu>
norlin@uokmax.ecn.uoknor.edu (Norman Lin) writes:
[...]
>--
>Over the weekend, there was a "public safety" expo at the local mall. Got
>talking to one of the aux communications guys, after noticing some ham HTs on
>display. Mentioned about the discussion we had on this net about 6 months ago
>about hams using their modified HTs to contact police depts on police radio
>frequency. He said that we should *never* do that unless it is an extreme
>emergency (where someone is about to die, like in a car accident) and you have
>tried all other methods of communications (like the ham repeater, knocking on
>house doors to get them to call the police for you, etc.). The FCC may say
>that it is OK, but the police will not like it, unless it was an extreme
>emergency, and you tried other methods first (and they still won't be happy).

^^^^^ the absolute *least* of my concerns if and when a dire emergency
situation involving a life is concerned, is whether the
"police will be happy"... about me talking on 'their' frequency.

/john wb5oau

From -7530804067000734706
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ba7e5bae5da618a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 14:12:56 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: Where is Dove?!? : The summary
Message-ID: <7500031@hpfcso.HP.COM>
Date: 25 Sep 90 21:12:56 GMT
References: <1990Sep25.065817.11133@maverick.ksu.ksu.edu>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 26
Posted: Tue Sep 25 22:12:56 1990

/ hpfcso:rec.ham-radio / steve@matt.ksu.ksu.edu (Steve Schallehn) / 12:58 am Sep 25, 1990 /
>From: John Magliacane <kd2bd%ka2qhd.de.com@RELAY.CS.NET>
>
>Try listening between the hours of 10 to 1 o'clock AM/PM. Yes, DOVE is still
>operating and it's running about 3 watts at the present time. I just copied
>telemetry last night. Be advised that a software upload will be occurring
>sometime soon, so it'll be off the air during that time. I would assume that
>after the upload is complete, it'll be talking.
>73, de John, KD2BD

I have never got a successful copy of any data off of DOVE (Packet gear bleeds onto the DOVE frequency), but am going to keep trying.

-Steve Schallehn, KB0AGD

For the past month I've had the second port of my KPC-4 connected to a scanner with one of the 16 channels set to 145.825. It's a pretty lousy way to copy packet but what the heck - the second port on the TNC isn't being used until my 51.7 Mhz xtals arrive. One morning DOVE was coming in loud and clear - actually woke me up. That was the only time a "DOVE-1" showed up in the "heard" list. It was sure a thrill to see the callsign from space.

Bill Vodall - WA7NWP

From 6713629119772057986
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bed8e0d8446be39a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 14:55:02 PST
Path: gmdzi!unido!mcsun!uunet!comp.vuw.ac.nz!massey.ac.nz!GMoretti
From: GMoretti@massey.ac.nz (Giovanni Moretti)
Newsgroups: rec.ham-radio
Subject: Re: Performance of QRP/homebrew transmitters and receivers
Keywords: QRP
Message-ID: <1018@massey.ac.nz>
Date: 25 Sep 90 21:55:02 GMT
References: <1990Sep24.011047.8509@uokmax.ecn.uoknor.edu>
<108811@philabs.Philips.Com>
Organization: Massey University, Palmerston North, New Zealand
Lines: 58
Posted: Tue Sep 25 22:55:02 1990
X-Reader: NETNEWS/PC Version 2.2

>>> Can I build a simple rig ...

There are many QRP rigs (mainly CW) whose schematic will fit on a single page. A good source of these and many other homebrew ideas is SPRAT - the journal of the G-QRP club.

As an example, here's the Table of contents from the Summer 1990 issue (it's published quarterly):

AF Preamp & active filter for NE602 Mixer
28MHz Transmitter (with four transistors)
An SMD (surface mount devices) Iambic Keyer
One toroid AF Filter (giving LP, HP or Notch responses)
Disco Display (an ATU with a visual display)
Varicap VFO (with PCB artwork)
Surface mounting VFO & Source Follower
Surface Mount technology - Ham style (on the virtues of dead
bug/ugly construction)

Suitcase Magnetic Loop for 40 - 20m
Huff & Puff Revisited (a simple frequency locker for any VFO)
QSK for CTX80
A Battery & SWR indicator with a Duo-Led
Quality Audio Amplifier for Receivers (with artwork)
AGCW Contest
Communications forum - SSB, VHF and Members News

Of the 44 pages 28 are constructional, 8 are members news ... and 4 are ads, 1 editorial and one of upcoming conventions.

This is one journal I really look forward to getting - the editorial policy on articles is something like "draw a circuit and outline how it works, we'll take it from there". The now has over 4500 member worldwide.

Annual Subs are US$10 or five Pounds.

For more info, write to:

Rev George Dobbs G3RJV
St Aidans Vicarage
498 Manchester Rd
Rochdale
Lancs OL11 3HE
England

For those of you that like gear that you can build yourself look no further.

Hope this is of use ... :-)

Giovanni ZL2BOI

```
--
-------------------------------------------------------------------------------
Giovanni Moretti, Consultant       | G.Moretti@massey.ac.nz, Pkt-ZL2BOI@ZL2BFJ
Computer Centre,  Massey University| Ph 64 63 69099 x8398, FAX 64 63 505607
Palmerston North, New Zealand      | QUITTERS NEVER WIN, WINNERS NEVER QUIT
-------------------------------------------------------------------------------
```

From -5501277177121210456
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca9c76cec0ea6d4e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,ca9c76cec0ea6d4e
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-09-25 15:27:44 PST
Path: gmdzi!unido!mcsun!uunet!midway!ncar!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!VAX1.CC.UAKRON.EDU!mcs.kent.edu!usenet.ins.cwru.edu!ncoast!tbell
From: tbell@NCoast.ORG (Terry Bell)
Newsgroups: rec.ham-radio,rec.ham-radio.packet

Subject: Re: RTX-2000, RS-14, P-III-D
Keywords: RTX-2000 DSP HELP Thanks
Message-ID: <1990Sep25.051439.7891@NCoast.ORG>
Date: 25 Sep 90 05:14:39 GMT
References: <778@idacrd.UUCP> <45030@apple.Apple.COM>
Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 25
Xref: gmdzi rec.ham-radio:15119 rec.ham-radio.packet:2824
Posted: Tue Sep 25 06:14:39 1990
Distribution:usa

In article <45030@apple.Apple.COM> winter@Apple.COM (Patty Winter) writes:
>In article <778@idacrd.UUCP> mac@idacrd.UUCP (Robert McGwier) writes:
>>Recently I place a call for help in getting development tools for the Harris
>>RTX-2000. As I told you later, the response was great and I wish to
>>thank one in particular. Tom Sefranek, WA1RHP, has made an indefinite
>>loan of his RTXDS and development tools to AMSAT for the development of code
>>for this engine.
>
>Uh, Bob, what's an RTX-2000? I see the phrase "DSP" in your
>keywords, so maybe it's a DSP microprocessor? If so, what will
>it do on the satellites?
>
>Patty

Well Bob what ever your new widget is please pass along THANKS to Tom,
WA1RHP for getting you what ya needed. Look forward to hearing about it.
73 es GUD LUCK!!
Terry
ps. Hi Patty

--
****
Terry Bell   N8HSP@WA8BXN.OH   AMSAT-NA   N8HSP.AMPR.ORG [44.70.4.10]
UUCP: usenet.ins.cwru.edu!ncoast!tbell   Internet: ab617@cleveland.freenet.edu
****

From 947983340456864602
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bed8e0d8446be39a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 15:43:00 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!samsung!crackers!cpoint!frog!john
From: john@frog.UUCP (John Woods)
Newsgroups: rec.ham-radio
Subject: Re: Performance of QRP/homebrew transmitters and receivers
Message-ID: <19242@frog.UUCP>
Date: 25 Sep 90 22:43:00 GMT
References: <1990Sep24.011047.8509@uokmax.ecn.uoknor.edu> <1250233@hpnmdla.HP.COM>
Organization: Charles River Data Systems
Lines: 13

Posted: Tue Sep 25 23:43:00 1990

In article <1250233@hpnmdla.HP.COM>, alanb@hpnmdla.HP.COM (Alan Bloom) writes:

> Now at least you can get your feet wet transmitting while
> you experiment building equipment.

I think at this point it should be emphasized that you should NOT
get your feet wet transmitting.

This poses a severe shock hazard.

(anyone who needs a smiley on this, go sit in the corner. ;-)
--
John Woods, h r es Riv   ta Sy te s   ra i gham   , (08 6 6-11
 ..! cva fr g! o n jo n@f g.U CP ...!mit-eddie!jfw, jfw@eddie.mit.edu

From -4870430569748466911
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5f9b709a44de62c7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 15:47:07 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!agate!darkstar!ucscb.UCSC.EDU!gristle
From: gristle@ucscb.UCSC.EDU (Kareem Du Gristle)
Newsgroups: rec.ham-radio
Subject: Building a Low Power AM transmitter
Message-ID: <7184@darkstar.ucsc.edu>
Date: 25 Sep 90 22:47:07 GMT
Sender: usenet@darkstar.ucsc.edu
Organization: University of California, Santa Cruz; Open Access Computing
Lines: 16
Posted: Tue Sep 25 23:47:07 1990

I am planning on building a low power AM transmitter to operate
a radio station in my area.

1) What is the legal limit of wattage or whatever a person
can broadcast at without an FCC license?

2) Does anyone know where I can find schematics and plans
to do this?

thanx,

gristle@ucscb.ucsc.edu

From -731137191720823550
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,d6735f5034a90ca6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 16:00:01 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!tincan.sawyer.af.mil!scxc3
From: scxc3@tincan.sawyer.af.mil (Michael A. Barnes)
Newsgroups: rec.ham-radio
Subject: AM/FM Aviation Radios
Message-ID: <9009251409.AA21486@tincan.sawyer.af.mil>
Date: 25 Sep 90 14:09:23 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 42
Posted: Tue Sep 25 15:09:23 1990

Yes FM is used in aviation, but not directly for ATC purposes, and not in the 116-136 MHz band. The are a number of devices on the market, mostly used in non-US areas, which are basically cross-band repeaters. These serve two basic purposes. First, they can relay tower comms to a remote AM transceiver rather than run phone lines up to a hilltop. Secondly and more common, they are used to allow ground crews parking, servicing, etc, the aircraft to hear and/or talk to the aircrew. Check some commercial publications, international trade journals, JANE'S, etc for info on these. I know Motorola does make a cross-band repeater controller for this purpose, but for international sales only. I have seen others also, but don't remember where I read about it.

I have been in many towers, and have worked on ATC radio and console equipment for many years. I know a lot of controllers and a lot of pilots. Very few have been incredibly technical. I found some controllers who were flabergasted when they found out that their radios were not located in the console, and even more astounded when they found that some were many miles away. To talk about FM/AM to some of these folks would not be much different than talking the difference between a Saturn V and a V-2 to the average five year old. (Before you turn up the heat, this is not to imply that controllers and pilots are stupid or lack intelligence. technical aspects of the equipment is simply not their required area of expertise, and they simply lack the information. I generally (:-)) have a high regard for both pilots and controllers.)

Next time you have time to kill at an airport, look up the maintenance folks and spend some time with them. They can usually show you the equipment and talk smartly about it. You will probably surprise them. Everyone wants to see the tower, but no one ever wants to see what makes it work.

73, Michael

```
--
*****************************************************************************
* Michael A. Barnes                       *   Have a nice AFCC day, eh?
* Internet: LWRCLMR@SACEMNET.AF.MIL       *
* SawyerNet: SCXC3@TINCAN.SAWYER.AF.MIL  *
* HamNet: WA7SKG@N8IYB.MI.USA.NA          *   All standard disclaimers
* Bell Net: 906-346-2811                  *   apply.
* DSNet: 472-2811                         *
* SnailNet: 410 BMW/SCX                   *
*           K.I. Sawyer AFB, MI          *
*                49843-6346              *
*****************************************************************************
```

From -2301845719419491870
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bed8e0d8446be39a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 17:43:11 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!newstop!exodus!wellworld!endelman
From: endelman@wellworld.Sun.COM (Aaron Endelman)
Newsgroups: rec.ham-radio
Subject: Re: Performance of QRP/homebrew transmitters and receivers
Keywords: QRP
Message-ID: <944@exodus.Eng.Sun.COM>
Date: 26 Sep 90 00:43:11 GMT
References: <1990Sep24.011047.8509@uokmax.ecn.uoknor.edu>
Sender: news@exodus.Eng.Sun.COM
Distribution: rec
Organization: Sun Microsystems, Mt. View, Ca.
Lines: 27
Posted: Wed Sep 26 01:43:11 1990

In article <1990Sep24.011047.8509@uokmax.ecn.uoknor.edu>
norlin@uokmax.ecn.uoknor.edu (Norman Lin) writes:

>On a similar note, is it feasable to build a useable (in terms of CW
>selectivity/sensitivity) simple receiver? (For me, "simple" means the circuit
>diagram will fit easily on one page -- a couple of transistors and IC's.)
>I have experimented very briefly with a regenerative circuit but it left much
>to be desired.
>
>Any pointers on where to find circuits for good, simple receivers/transmitters
>(if such circuits exist!) would be greatly appreciated. Thanks in advance!

Try the "QRP Notebook" and "Solid State Circuits for the Radio Amateur", both published by the ARRL. Lotsa interesting stuff in there. I'm planning on trying my hand sometime soon at building a simple single-conversion superhet that uses a 1-pole crystal filter in the IF section. (I think that circuit is shown in the latter of the two books.)

```
>--
>\    /\/\    /\/\       +-----------------------------+    /\/\    /\/\    /./
>\\  /./\\\  /./\\\  /====|Norman Lin/norlin@129.15.20.2|===/./\\\  /./\\\  /./
>\\\/./  \\\/./  \\\/./===| norlin@uokmax.ecn.uoknor.edu|====/  \\\/./  \\\/./
> \/\/    \/\/    \/\/    +-----------------------------+        \/\/    \/\/
```

```
--------------------------------------------------------------------------
Aaron Endelman  KK6??, ex-WA2PWO                          endelman@sun.com
Symbolic Programming Group                                ...!sun!endelman
M/S 12-40, Sun Microsystems, Inc., 2550 Garcia Ave., Mtn. View, CA   94043
```

From 4356258263702508903
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ab249040a9fe2ac5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 18:36:44 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!elroy.jpl.nasa.gov!usc!julius.cs.uiuc.edu!rpi!uwm.edu!cs.utexas.edu!helios!utarlg.utarl.edu!c135rmz
From: c135rmz@utarlg.utarl.edu (Rami Zureick)
Newsgroups: rec.ham-radio
Subject: Microwave TV broadcasting
Message-ID: <8514@helios.TAMU.EDU>
Date: 25 Sep 90 16:53:37 GMT
Sender: usenet@helios.TAMU.EDU
Reply-To: c135rmz@utarlg.utarl.edu
Organization: The University of Texas at Arlington
Lines: 5
Posted: Tue Sep 25 17:53:37 1990
News-Software: VAX/VMS VNEWS 1.3-4

Is there a list of TV stations broadcasting on the microwave band along with their frequencies and power?

Rami Zureick
University of Texas at Arlington

From -4423570105202620848
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17b767aa7b244cf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 20:10:24 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!mips!twg.com!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: Kazan Republic
Message-ID: <7991@gollum.twg.com>
Date: 25 Sep 90 17:48:20 GMT
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 24
Posted: Tue Sep 25 18:48:20 1990

Last week I came accross UA4RZ working large numbers of people DXpedition-style and announcing "Kazan new Soviet republic--probably new DXCC country". I couldn't pull the explanation for this out of Gene, but did a post to talk.politics.soviet the next day. I just saw the following reply (from Moscow) in t.p.s. concerning the "Kazan Republic". Next the DXAC will probably bring up a motion to discuss consideration for appointment of a study committee, etc., etc.

Article 852 of talk.politics.soviet:
>From: andrei@cdp.UUCP
Newsgroups: talk.politics.soviet
Subject: Re: Kazan Republic(?)
Message-ID: <888900035@cdp>
Date: 19 Sep 90 16:37:00 GMT
References: <7962@gollum.twg.com>
Lines: 5
Nf-ID: #R:gollum.twg.com:7962:cdp:888900035:000:160
Nf-From: cdp.UUCP!andrei   Sep 19 09:37:00 1990

Yes, tatars anounced that now they are new independent repulic - Tatarstan.
And it makes headache for our central Government. It is in news last
days.
--andrei

From -3835568155650234309
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fb38ae1c16b2eeb5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 20:12:03 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!OUTLAW.UWYO.EDU!jimkirk
From: jimkirk@OUTLAW.UWYO.EDU (James Kirkpatrick)
Newsgroups: rec.ham-radio
Subject: Control S/W for R-7000?
Message-ID: <900925124725.20201cb1@UWYO.BITNET>
Date: 25 Sep 90 18:47:25 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Tue Sep 25 19:47:25 1990

A friend recently purchased a new R-7000 complete with the computer
interface, and is now wondering what software is available (purchase,
share-ware, free-ware, etc.) to do the controlling. E-mail and/or
FTP-able sources would be prefered, but USPS would be OK as well.

Please e-mail to me, and I'll summarize to the list later.
Thanks in advance.

Jim Kirkpatrick, WB7BUP   JIMKIRK@UWYO   or   JIMKIRK@CORRAL.UWYO.EDU

From 8633153142208212929
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c76f2f2e4ae4239,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 20:15:35 PST
Path: gmdzi!unido!mcsun!uunet!ksr!tom

From: tom@ksr.com (Tom Varga)
Newsgroups: rec.ham-radio
Subject: IC-24AT vs. FT-470
Message-ID: <TOM.90Sep25143936@bigfoot.ksr.com>
Date: 25 Sep 90 18:39:36 GMT
Sender: news@ksr.com
Organization: Kendall Square Research, Waltham, MA
Lines: 24
Posted: Tue Sep 25 19:39:36 1990

Well, I've decided to join in on the fun and purchase an HT.

It seems that a lot of you out there already have an HT and I can't think of a better place to ask for opinions. ;-)>

I've narrowed down my decision to the IC-24AT and the FT-470. Both of these look like real whiz-bang little toys. The FT-470 is a lot cheaper, but a little bigger, and heavier. The IC-24AT can do amazing things with a few mods but would lighten my wallet quite a bit. So which has the most bang for the buck?

If you have experience with either of these two babies, I'd really appreciate it if you would send be a note on what you think. I'll post a summary of the results.

Thanks in advance,
-Tom

```
--
================================================================================
= Tom Varga N2UA/1             617-895-9415            Internet: tom@ksr.com  =
=   There's never time to do it right, but there's always time to do it over.  =
================================================================================
```

From 8623371741841089913
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8924141da8b9b38a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 20:19:56 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!julius.cs.uiuc.edu!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Calling the cops by radio (was Re: performance of QRP)
Message-ID: <60255@iuvax.cs.indiana.edu>
Date: 25 Sep 90 19:19:41 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 26
Posted: Tue Sep 25 20:19:41 1990

>Over the weekend, there was a "public safety" expo at the local mall.

>Got talking to one of the aux communications guys, after noticing some
>ham HTs on display. Mentioned about the discussion we had on this net
>about 6 months ago about hams using their modified HTs to contact
>police depts on police radio frequency. He said that we should
>*never* do that unless it is an extreme emergency (where someone is
>about to die, like in a car accident) and you have tried all other
>methods of communications (like the ham repeater, knocking on
>house doors to get them to call the police for you, etc.). The FCC
>may say that it is OK, but the police will not like it, unless it was
>an extreme emergency, and you tried other methods first (and they
>still won't be happy).

My favorite scene from the movie, _Die Hard_:

The bad guys had h-t's on the police freq. The hero, a cop from another town, managed to capture one and call for help. The police dispatcher gave him the runaround, announcing that the frequency was for emergency use only.

He replied, "No s***, lady! What's it sound like I'm doing, ordering a f***ing pizza?"

--

Frank   W9MKV   reid@ucs.indiana.edu

From -6883559703110092133
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c76f2f2e4ae4239
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 20:35:53 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!usc!samsung!noose.ecn.purdue.edu!dynamo.ecn.purdue.edu!young
From: young@dynamo.ecn.purdue.edu (Mike Young)
Newsgroups: rec.ham-radio
Subject: Re: IC-24AT vs. FT-470
Message-ID: <1990Sep25.195631.6720@ecn.purdue.edu>
Date: 25 Sep 90 19:56:31 GMT
References: <TOM.90Sep25143936@bigfoot.ksr.com>
Sender: news@ecn.purdue.edu (USENET news)
Organization: Purdue University Engineering Computer Network
Lines: 35
Posted: Tue Sep 25 20:56:31 1990

I have the 470, and I like it. The 24AT was too much for my wallet, anyway. With the correct key sequence, the 470 does cross-band repeat (though I don't need this very often). I do use ALL the memories on 2M, and about half of them on 440. The 2M receive opens up easily to 130-180 MHz, thus several of the memories are police, fire, NOAA, etc. A buddy put the rig on his $10k service monitor, and was astonished at how hot the receiver was. < 0.1 uV at 146 meg. Lighted keypad is nice, though I sometimes wish the lamp button was push on - push off instead of momentary. Dual-band rubber ducky works well. It would be neat if the 440 receive could be extended, but I haven't seen any postings of such a mod.

Some 470 users report intermod problems in high-RF environments; I don't often have that problem, but I hear that Yaesu will do a free mod for those that do. It allegedly involves moving one of the IF's and realigning. The new ones probably don't need the mod at all (already done at the factory).

Signal reports have been consistently good with this unit, and it's built fairly small but solid. I use the 7.2V 600 mAh (FNB-17) pack and the stock vinyl case. Around here, I almost always use lo power, and battery life is very acceptable.

Biggest drawback to this rig is the miniscule speaker. I frequently use an earplug, even inside a vehicle. Maybe someone would be interested in working up an audio-boost mod! :-)

Hope this helps. 73s!

```
--
    |  Mike Young KA9HZE                |       young@ecn.purdue.edu    |
    |  Purdue University EE Dept.       |       ...!pur-ee!young        |
    |  W. Lafayette, IN  47907          |                               |
   -------------------------------------------------------------------
```

From 600656344624196158
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4dad5d0f1aaa3397
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 20:35:57 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: QSL Information
Message-ID: <27285@usc.edu>
Date: 25 Sep 90 20:01:00 GMT
References: <5A091210072B007E-MTABWIDENER*DXANDY@widener> <7880291@hpfcdc.HP.COM>
Sender: news@usc.edu
Organization: EE-Systems, USC, Los Angeles
Lines: 7
Posted: Tue Sep 25 21:01:00 1990
Nntp-Posting-Host: pollux.usc.edu

In article <7880291@hpfcdc.HP.COM> ajs@hpfcdc.HP.COM (Alan Silverstein) writes:

```
>Unlikely, but possible.  Se la vi.  The postcard sits for a while.
                          ^^^^^^^^^
```

What is this? C'est la vie? Don't use languages you don't know.

--
Ken Hendrickson N8DGN/6 kjh@usc.edu ...!uunet!usc!pollux!kjh

From 2656840324940023069
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c76f2f2e4ae4239
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 20:37:11 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!hamal.usc.edu!mead
From: mead@hamal.usc.edu (Dick Mead)
Newsgroups: rec.ham-radio
Subject: Re: IC-24AT vs. FT-470
Message-ID: <27286@usc.edu>
Date: 25 Sep 90 20:04:27 GMT
References: <TOM.90Sep25143936@bigfoot.ksr.com>
Sender: news@usc.edu
Organization: University of Southern California, Los Angeles, CA
Lines: 46
Posted: Tue Sep 25 21:04:27 1990
Nntp-Posting-Host: hamal.usc.edu

FT470: better usage of the computer.
- uhf rec coverage doesn't seem easily expandable
* memories can be programmed with separate tx & rx freqs which supports any odd-ball offset you may run into.
* recalled memory can be tuned without having to switch back to vfo mode
* pl decode freqs can be tuned thru while receiving, if you are nosey
* true dual receive, tho I usually leave it off.
* lighted keypad (I miss this on the IC-24)

IC-24AT: can't do the 4 * above
- boneheaded programmer of computer made the tx offset step 25khz, instead of a more usable 5khz
- viewing angle of lcd display is narrow
- small, recessed keypad harder to use, especially if you have big fingers, and also if it's in the dark.

* more ruggedly built (my impression..)
* very wide expaned rec range (varies with each radio, however) I get <2uV sense 118-135,138-178,335-485,800-960Mhz
* it is cheaper.

My observation is that Yaesu makes much better use of a computer, while skimping on the ruggedness factor, while Icom makes it more drop-proof and hires brain-damaged (or fired Yaesu) programmers.

I bought an FT470 some time ago, I do notice, even after the factory mod, that it is very prone to intermod. But that is a fact of life for any hot, wide coverage receiver in the L.A. basin.
I recently broke down and got the IC-24 thinking I would sell off my FT470 and while I grumble about the shortcomings of both, each has something I like (but not in common), so I'll probably just keep both handy.
I suggest, if you want wide freq coverage and can live with the price and shortfalls, get the Icom....If you want good ham-band functionality and less pocket-picking, get the Yaesu. Or, like I do, ignore any advice and get what you like...

Dick Mead WB6NGC
mead@hamal.usc.edu

From -9090503466913155712
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2bbfd4479d3dd49,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 20:54:50 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!tincan.sawyer.af.mil!scxc3
From: scxc3@tincan.sawyer.af.mil (Michael A. Barnes)
Newsgroups: rec.ham-radio
Subject: Cleaning old Capacitors etc
Message-ID: <9009260354.AA04453@tincan.sawyer.af.mil>
Date: 26 Sep 90 03:54:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 36
Posted: Wed Sep 26 04:54:50 1990

Back in the war days, the enemy would over-run our comm outposts and we would lose all the equipment and write it off. Later, the good guys would over-run their comm outposts, and we would get our equipment back. Since it was already written off, it was brought back to someplace friendly (?) and placed in the botom of a hole and covered up with a bulldozer. We would then go over and dig up the pile looking for goodies. Within a years time, I had quite a few KWM-2As with all the accessories, etc.

What has this to do with cleaning capacitors? If you were put in a hole and covered up by a bulldozer, then uncovered some weeks later would you be very clean? Anyhow, off to the shop with our prizes. Take out the tubes and a few other frailties and into the mop sink full of good old hot water and dish soap. Today, I suppose something like Dawn which cuts grease real good would be OK. Slosh it around good and take it outside and hose 'er down for the rinse cycle. Hang it up by a chain outside and dry in the sun. A little shot of Lubriplate or your favorite greasy stuff in the bearings and your good to go.

I figure with all the scroungers in the shop, we must have done this to several dozen KWM-2As and bunches of other stuff. Never had any problems that I remember.

Good luck and 73,
Michael

```
--
*****************************************************************************
* Michael A. Barnes                       *   Have a nice AFCC day, eh?
* Internet: LWRCLMR@SACEMNET.AF.MIL       *
* SawyerNet: SCXC3@TINCAN.SAWYER.AF.MIL   *
* HamNet: WA7SKG@N8IYB.MI.USA.NA          *   All standard disclaimers
* Bell Net: 906-346-2811                  *   apply.
* DSNet: 472-2811                         *
* SnailNet: 410 BMW/SCX                   *
*           K.I. Sawyer AFB, MI           *
*                49843-6346               *
*****************************************************************************
```

From -1265624217840146056
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2bbfd4479d3dd49
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-25 22:24:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Cleaning old Capacitors etc
Message-ID: <19572@ucsd.Edu>
Date: 26 Sep 90 05:24:33 GMT
References: <9009260354.AA04453@tincan.sawyer.af.mil>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 14
Posted: Wed Sep 26 06:24:33 1990

We once got a whole fleet of GE Pre-Prog 450 MHz FM mobiles from a construction company. Those things were DIRTY!

Of all the methods that worked, the best one we found for cleaning them was to take all the tubes out and run the rest of the radio through the dishwasher. We'd stop it before it got to the DRY cycle, then take the radio out, shake the loose water out of it, blow it out with compressed air, and stick it in the kitchen oven (electric) at 130F for a couple of hours to bake dry.

Tuned them up and there it was. Never had a problem.

Motorola T-44s never survived that process. GEs didn't seem to mind.
     - Brian

From 7847777472691119931

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,90f4929608ba2699,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-26 00:08:23 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!CMS.CC.WAYNE.EDU!MEDELMA
From: MEDELMA@CMS.CC.WAYNE.EDU (Michael Edelman)
Newsgroups: rec.ham-radio
Subject: AEA DX-Handy
Message-ID: <9009251938.AA24283@ucsd.edu>
Date: 25 Sep 90 19:35:19 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6
Posted: Tue Sep 25 20:35:19 1990

Just noticed that Surplus Sales of Nebraska is closing out the AEA
DX-Handy at $159, which is about half what I paid for mine, long since
sold. A quick call dtermined they no longer have the 6 meter version
that I was after. Anyone know of anyone selling the 6 meter version?
          --mike ke8yy
            medelma@cms.cc.wayne.edu

From 7785033956542534573
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7761bf76a078f2a9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,7761bf76a078f2a9,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-09-26 01:44:50 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!bridge2!olivea!apple!pvh
From: pvh@Apple.COM (Pete Helme)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Kenwood TH-77 & Bearcat 200XLT mods
Message-ID: <45134@apple.Apple.COM>
Date: 25 Sep 90 20:28:42 GMT
Organization: Apple Computer Inc., Cupertino, CA
Lines: 7
Xref: gmdzi rec.ham-radio:15132 rec.ham-radio.packet:2829
Posted: Tue Sep 25 21:28:42 1990

Anyone know if the new dual band Kenwood, the TH-77, is available in the U.S.
or not yet. They're already importing the new smaller single band units (at
least they've been advertising them).

Also, does anyone have any mods for the Uniden Bearcat 200XLT?

Thanks.

From -3985340654607848105
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a06d43f320b2c4a

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-26 02:46:59 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!hp-pcd!hpspkla!dubner
From: dubner@hpspkla.spk.hp.com (Joe Dubner)
Newsgroups: rec.ham-radio
Subject: Re: Did you read this book?
Message-ID: <4630016@hpspkla.spk.hp.com>
Date: 25 Sep 90 23:56:09 GMT
References: <480@wybbs.mi.org>
Organization: Hewlett Packard Company, Spokane, Wa.
Lines: 31
Posted: Wed Sep 26 00:56:09 1990

ken@wybbs.mi.org writes:

> Way back when I was in grade school, I read a book that was published in the
> 40s or 50s. It was similar to the original Tom Swift style stories, but it
> was not a pulp serial.

[stuff deleted]

> Does anyone remember this book and what the title was?

Oh, that sounds like "SOS at Midnight", by Walter A. Tompkins (ham call K6ATX), if memory serves. I remember reading it in the early sixties when I was in junior high school. Later, I bought a reprint of the book from the ARRL (American Radio Relay League, Newington, CT) and reread it.

The author wrote a small number of other books similar to that one and they were (are?) also available from the ARRL. The ARRL was peddling them with the suggestion that they would make a nice gift for a budding young ham. (I donated mine to the local library).

BTW, the period of the novel was in the late 50's, judging by the hero's radio gear (a Heathkit DX-100 transmitter).

... Joe

```
--------------------------------------------------------------------------
Joe Dubner     K7JD  |  Hewlett Packard Company  |  dubner@hpspkla.HP.COM
                     |  TAFC-34         M.S. 2I  |  (509) 921-3514 (work)
                     |  Spokane, WA  99220       |  (208) 765-3458 (home)
--------------------------------------------------------------------------
```

From -7479193659180162190
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca9c76cec0ea6d4e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,ca9c76cec0ea6d4e
X-Google-Attributes: gidfddbf,public

X-Google-ArrivalTime: 1990-09-26 06:01:16 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!yale!mintaka!snorkelwacker!apple!julius.cs.uiuc.edu!zaphod.mps.ohio-state.edu!swrinde!emory!mephisto!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: RTX-2000, RS-14, P-III-D
Message-ID: <780@idacrd.UUCP>
Date: 25 Sep 90 17:50:08 GMT
References: <45030@apple.Apple.COM>
Organization: idacrd, princeton, nj
Lines: 37
Xref: gmdzi rec.ham-radio:15134 rec.ham-radio.packet:2830
Posted: Tue Sep 25 18:50:08 1990

From article <45030@apple.Apple.COM>, by winter@Apple.COM (Patty Winter):

```
>
> Uh, Bob, what's an RTX-2000? I see the phrase "DSP" in your
> keywords, so maybe it's a DSP microprocessor? If so, what will
> it do on the satellites?
>
>
>>The RTX-2000 wil fly soon on RS-14 (RO-21 after launch)
>
> called "RO"? What does that stand for? And why "RO-21" when the
>
> Patty
```

The Harris RTX-2000 is a RISC high speed Forth engine (no, that isn't an oxymoron in THIS CASE ;-) which has many of the attributes of a DSP chip. I won't go into the details here. It IS being used as both a DSP chip and as a disk controller on the ram disk on board.

This is part of the RUDAK experiment that was built by the AMSAT-DL RUDAK group in Munchen, Deutschland (Munich, W. Germany). This will be RS-14. It will be called Radio Oscar 21 after launch. This will be the first SU launched satellite done in conjunction with one of the `western' satellite building groups (AMSAT-DL/RUDAK) and with some participation after the fact by AMSAT-NA folks. The group in the SU, in the spirit of cooperation, etc. etc. have chosen to have it be the first satellite to join the OSCAR numbering scheme. Just as UOSAT-A is UO-9, RS-14 will be RO-21. Fuji-2 was FO-20 and this will be the next in line.

Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From -7572694893323085456
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ba7e5bae5da618a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-26 06:40:44 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!haven!decuac!shlump.nac.dec.com!
ryn.esg.dec.com!ultnix.enet.dec.com!taber
From: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Newsgroups: rec.ham-radio
Subject: Re: Where is Dove?!? : The summary
Keywords: Dove schedule : Replies
Message-ID: <1990Sep25.153311@ultnix.enet.dec.com>
Date: 25 Sep 90 19:33:11 GMT
References: <1990Sep25.065817.11133@maverick.ksu.ksu.edu>
<1990Sep18.001532.7063@maverick.ksu.ksu.edu> <55@gsy1.UUCP>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Organization: KC1TD@KB4N.NH.USA.NA.EARTH.SOLAR_SYSTEM.UNIVERSE.MIND_OF_GOD
Lines: 38
Posted: Tue Sep 25 20:33:11 1990

In article <1990Sep25.065817.11133@maverick.ksu.ksu.edu>, steve@matt.ksu.ksu.edu
(Steve Schallehn) writes:
|>I would like to thank everyone for their replies. Yes, DOVE
|>still seems to be on the air, but without the digitalker.
|>Here is the best scoop I got by mail:
|>
|>
|>>From: John Magliacane <kd2bd%ka2qhd.de.com@RELAY.CS.NET>
|>>
|>>Try listening between the hours of 10 to 1 o'clock AM/PM. Yes, DOVE is
still
|>>operating and it's running about 3 watts at the present time. I just copied
|>>telemetry last night. Be advised that a software upload will be occurring
|>>sometime soon, so it'll be off the air during that time. I would assume
that
|>>after the upload is complete, it'll be talking.
|>>73, de John, KD2BD
|>
|>
|>I have never got a successful copy of any data off of DOVE (Packet
|>gear bleeds onto the DOVE frequency), but am going to keep trying.
|>

In the Boston area, DOVE has been making its evening pass around 9PM EDT -- you
may have to widen your listening hours to catch it. To get your TNC to show you
something, be sure and set PASSALL ON. I listened many times and got nothing
until someone tipped me off to PASSALL. (I did get lots of copy from (*ahem*)
people trying to connect to the DOVE though -- I'm sure it was an honest mistake
on thier part.)

--
                                                >>>==>PStJTT
                                        Patrick St. Joseph Teahan Taber

My employer doesn't care what I think. I, in turn, don't care what
you think. You probably don't care what my empolyer thinks. Thus is
life a circle.

```
From 5526422109410888267
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bbc5db2848cdb654
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 11:58:29 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Try Shunt Feeding your Tower!?
Message-ID: <7880287@hpfcdc.HP.COM>
Date: 20 Sep 90 18:58:29 GMT
References: <4490@tuminfo1.lan.informatik.tu-muenchen.dbp.de>
Organization: HP Fort Collins, Co.
Lines: 36
Posted: Thu Sep 20 19:58:29 1990
```

>Try Shunt Feeding your Tower!?

You must be a rocket scientist :) I've only heard stories about people doing this.... Neat stuff, though.

>I could think of big ferrite cores but where can I get cores
>that are big enough for RG-213?
>
>Any other ideas?
>
>73 Ben, DL6RAI

Maybe all the control cables on the tower are hot with RF. Try ferrite on ALL those cables before it goes into the shack. There should be a way to use a dip meter in absorption mode to see what cables are hot. It could be that the RG-213 is getting shield currents because the match is on the top. Are there ways to put the match on the bottom, and have less RG-213 on the tower ? My experience with 2-meter J-poles is that any feed line close to an antenna will develop RF on the outer conductor, which must be choked. Otherwise, you get screwy SWR depending on cable placement, not to mention less-than-clean patterns.

There is a linear choke described in the ARRL Antenna Handbook (or maybe the Handbook itself) that consists of a long mailing tube around the coax. The mailing tube is then stuffed with steel wool. Another possibility is making a choke out of a bunch of RG-213-sized cores - there are references to "bead baluns" in the Antenna Handbook. That sounds expensive, though.

Another possibility is to eat the .1 dB loss and use RG-8/X or (gasp!)
RG-58/U on the tower or for the choke section.

Good luck. I'm amazed to hear of people actually shunt feeding a tower !

Perry Scott
KF0CA

From -3125843856987394683
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,338d6aab4bf9e8e5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 12:12:19 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: To Bob West (WA8YCD)...
Message-ID: <27080010@col.hp.com>
Date: 20 Sep 90 19:12:19 GMT
Organization: HP Colorado Springs Division
Lines: 34
Posted: Thu Sep 20 20:12:19 1990

I was unable to mail to you direct. Please respond to this note in
order to acknowledge receipt. Otherwise I'll try other methods...

Ken...

Hi Bob,

Primary repeaters in the Colorado Springs area would include:

146.97 (Pikes Peak) {wide area coverage}
147.03 (Cheyenne Mtn) {open, but with private patch facility}
147.345 (Cheyenne Mtn) {open, but with private patch facility}
146.910 (location?)   {open, Springs link to "Colorado Connection"}

In addition, 146.52 is a very commonly used simplex channel here.
Your best bet would be the '97 machine as most of the locals use it
a great deal more than others. In emergencies, you may be able to
get a member of the two patch machines to dial for you. They are
usually happy to help out.

The Colorado Connection is a system of linked repeaters throughout
much of Colorado. System quality is marginal-to-adequate, but use
is free.

If you are able to spend some extra days I would suggest taking the time to drive up Pikes Peak (14,110'), drive through the Garden of the Gods, or out to the gold camp of Cripple Creek. There is good shopping along the main street of Manitou Springs. This time of year is also the primr time to observe the aspen trees turn their fall colors.

Hope to here you on the air...   73 Ken

From -7634381607724382087
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dbcdf36a00c4f71e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 12:13:54 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc05!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: Uniden 2510 ...
Message-ID: <27080011@col.hp.com>
Date: 20 Sep 90 19:13:54 GMT
References: <10680@hacgate.UUCP>
Organization: HP Colorado Springs Division
Lines: 3
Posted: Thu Sep 20 20:13:54 1990

I'd like to have that info also! Thanks...

Ken (kenw@hpcsqa.hp.com)

From -6778698381476881681
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8a942d0e5e82c06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 13:34:19 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: POSTING PROGRAMS TO THIS NET
Message-ID: <1341@ke4zv.UUCP>
Date: 20 Sep 90 20:34:19 GMT
References: <9009111334.AA19069@ucsd.edu> <690@entec.Wichita.NCR.COM> <TV2.JF@splut.conmicro.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 18
Posted: Thu Sep 20 21:34:19 1990

In article <TV2.JF@splut.conmicro.com> jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard) writes:
>In article <690@entec.Wichita.NCR.COM> kthompso@entec.UUCP (Ken Thompson) writes:

>>Read my fingers Mark:
>
>>Use your N key to go to the next article if you do not want to read this one.
>
>That doesn't work for someone reading the Info-Hams mailing list postings.
>Next?

I agree that programs should go to the existing binaries groups. Now with that out of the way, I don't see the problem with mailing lists other than the volume running up the phone bill. At least at my site, I can read mail one page at a time with mailx or I can save without reading the mail to the mbox and use vi on the mbox to read the parts I want to read. I save out the parts I'm interested in and delete the rest. Surely anyone with any reasonable Email system can do the equivalent of this.

Gary KE4ZV

From 5234584606024422374
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2457f636e7a3fbbc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 13:35:05 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!usc!snorkelwacker!apple!voder!pyramid!andrem
From: andrem@pyrman2.pyramid.com (Andre Molyneux)
Newsgroups: rec.ham-radio
Subject: Alinco DR-110T
Keywords: Alinco, 2m
Message-ID: <127702@pyramid.pyramid.com>
Date: 20 Sep 90 20:35:05 GMT
Sender: daemon@pyramid.pyramid.com
Lines: 33
Posted: Thu Sep 20 21:35:05 1990

Since making a request for information on the Alinco DR-110T 2m mobile transceiver, I've received a couple of requests to post any comments I receive. I got three responses from hams who have first-hand experience with this rig. Comments were very favorable on the whole. The only problems indicated were susceptability to intermod in high-RF areas (but no more than similar radios from other manufacturers) and difficulty in seeing the LED display in daylight.

The comments were favorable enough that I drove up to Ham Radio Outlet in Burlingame to get one. They had the DR-110T on sale for $289.99. I also found the DR-112T (same as the DR-110T but with an LCD display) for $319.99. I decided that being able to see the display in daylight was worth the extra 30 bucks and walked out with the DR-112T.

The radio is nice and compact. I haven't had a chance to hook it up yet so I can't vouch for its performance. If anyone's interested, I'll post a review of the radio after I've given it a workout.

By the way, one of the hams who replied to me gave me the mod to get extended coverage. I assume that it has probably already been posted here so I won't repeat it unless I'm requested to do so. I won't try it myself until I'm satisfied that the radio is fully functional (wouldn't want to void that warranty too soon).

```
+---------------------------------------------------+-------------------------+
| Andre Molyneux KA7WVV  andrem@pyrman2.pyramid.com |*** GENERIC DISCLAIMER ***|
+---------------------------------------------------+-------------------------+
|      -=-------- PYRAMID TECHNOLOGY CORPORATION    |All the usual disclaimers |
|    ---==------ 1295 Charleston Road               |apply although, as far as |
|  ----=====---- Mountain View, California 94043   |I can tell, my employer   |
|------=======-- (415) 965-7200                     |doesn't care what I think!|
+---------------------------------------------------+-------------------------+
```

From -5117039886980594999
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4dad5d0f1aaa3397
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 14:15:43 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!caen!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: QSL Information
Message-ID: <7880288@hpfcdc.HP.COM>
Date: 20 Sep 90 21:15:43 GMT
References: <5A091210072B007E-MTABWIDENER*DXANDY@widener>
Organization: HP Fort Collins, Co.
Lines: 11
Posted: Thu Sep 20 22:15:43 1990

> I am trying to find out the QSL information for N1HAQ.

Likewise, since you raised the question, I'd like the address for N4YVP. He said he was in the callbook, but he's not in the 2/90 on-line copy I have here, and I don't have the paper supplement. I promised a postcard...

Now this is a silly question to bother the whole Net with, so... how about only bother to answer (by mail) if you have the supplement AND you are in region 4? That should narrow down the responses. Thanks!

(From now on, I ask WHICH CALLBOOK?)

From 6450846510945709437
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2518881667ad941
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 14:26:40 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!emory!

wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Dipole antenna design
Message-ID: <1342@ke4zv.UUCP>
Date: 20 Sep 90 21:26:40 GMT
References: <1366@eastman.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 51
Posted: Thu Sep 20 22:26:40 1990

In article <1366@eastman.UUCP> harding%b56vxg.dnet@kodak.com writes:

>I am a new Ham and am getting my feet wet in the VHF and UHF sandbox. I have converted a TV rabbit ear to a 2m dipole which seems to work fairly well. (Anything is better than the ducky which comes on the IC-24AT.) So now I want to build a 70cm dipole and thought the same approach would work. But I have some questions which were not answered by the HANDBOOK.
>
>1) I have been told that the overall length of the antenna should be the half-wave length, yes?

The overall length of a half wave dipole is approximately a half wavelength. There are other effects that come in to play, end effects, etc, but basically it's a truism that a half wave antenna is a half wavelength long.

>2) At what point does the o.d. of the antenna elements become significant WRT frequency?

The rule of thumb is that while the length to diameter ratio is 1000 or greater, the diameter is unimportant except in a structural sense. As the antenna becomes "fatter" than 1000/1 the bandwidth increases. Eventually this can reach a point where the resonance peak becomes so small that you have a nonresonant antenna for all practical purposes. An L/D of less than 10 would be an example of a nearly nonresonant antenna.

>2) What is the relationship of the distance between the feedpoints to anything.
>4) I read somewhere that the 70cm antenna has a much smaller signal collection area, so a dipole isn't a good idea. That a multi-element beam is better simply from the standpoint of "collection area".

If the feedpoint separation becomes an appreciable fraction of the length of the dipole, say 5% or more, then the directional properties of the antenna will change. On the subject of capture area, given two dipoles, one cut for say 100 Mhz and another cut for 200 Mhz, the 100 Mhz antenna will present twice as many microvolts at the feedpoint than the 200 Mhz antenna for the same transmitted strength. This is because the 100 Mhz antenna is twice as large and intercepts twice as much of the wavefront. Signal "path loss" is said to be inversely proportional to frequency due to this effect. If you erect two dipoles side by side in a broadside array at 200 Mhz, their combined feedpoints will deliver the same number of microvolts as the 100 Mhz antenna, neglecting matching losses, while being the same physical size.

Similarly, a classic yagi of two elements would intercept the wavefront twice and give the same result. There is one fly in this ointment however, the radiation pattern of two half wavelength sections will be different than a single section. The antenna pattern will become more directional as elements are added, exhibiting "gain" in a preferred direction. This gain will be proportional to the physical size of the antenna array. The actual physics of antenna radiation is more complex than this, but this is a convienent way to think about the situation.

Gary KE4ZV

From 2629944092954136948
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a0b4df795b10199
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 14:39:42 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: Limited Space Antennas
Message-ID: <7500029@hpfcso.HP.COM>
Date: 20 Sep 90 21:39:42 GMT
References: <9009201245.AA01278@tincan.sawyer.af.mil>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 103
Posted: Thu Sep 20 22:39:42 1990

/ hpfcso:rec.ham-radio / perry@hpfcdc.HP.COM (Perry Scott) / 11:29 am Sep 20, 1990 /
Re: dipoles

70' is almost ideal for a 1/2-size G5RV. It's mostly resonant, so you may avoid buying a transmatch. It is resonant on 40, 20, 15, and 10. As a novice, I don't think you can use 20 and 15 CW, but it gives you incentive to upgrade to tech. :)

The G5RV can be bought as a kit, but if you can find an Ernie, you can probably build one for free. If $$$ is a consideration, a transmatch can be built with the help of an Ernie. The commercial models, like the MFJ-949C are around $150 for transmatch, SWR meter, and dummy load.

Perry Scott
KF0CA

Ok Perry, I'll quit being so bashful and post this (some details may be inaccurate - but generally it should be close):

A Zepp antenna is a single section of wire a quarter wave (1/2?) end fed with open wire line. A douple Zepp is the same antenna with two sections of wire - one on each side of the feed line.

The standard G5RV is a shortened douple Zepp fed with a magic length of open wire line that (usually/sometimes) gives a usable match across most of the hf ham bands. The standard G5RV is 102' long center fed with 30-33 feet of open wire line followed by 50 ohm coax to the radio. It will match (with some trimming of the feed line) on 80, 40 20, 15 and 10.   The shortened size, multiple bands and lack of a tuner make it really neat.   By proper scaling a half sized version will work from 40 meters down. If nobody else has the exact dimensions handy I'll look them up and post them in a couple days.

Here's where I'm going to stick out my neck. The G5RV is a non-resonate antenna. It matches in the ham bands (i.e. provides a 50 ohm load) but is not resonate there. A true douple zepp antenna would be resonate (1/2 or a full wave) for the frequence of use.

It's possible to use a douple zepp as a non-resonate antenna by putting up as long of a wire as possible fed in the center with good quality open wire line.

The very-low-loss wire line is needed so the 1.zillion to 1 S.W.R. from the ludicrous mismatch of impedance between the feedline and antenna (at non-resonance) doesn't cause any significant signal loss. A high S.W.R. only causes losses by increasing the loss in the feedline. Open wire line has such low loss (compared to coax) it's effectively non-existant.

As a general rule the antenna length should be greater that 1/2 wave on the lowest band of interest. i.e. It should be over 130' for 80 meters up, over 66' for 40 meters and up, etc. At the higher frequencies (20, 15, 10) this antenna will start to show some gain. The longer the antenna - the greater the gain.

It can also be used at lower frequencies by tying the two ends of open wire line together and feeding it against ground as an end fed antenna.

The extended (very long) douple zepp is one of my favorite non-resonant antennas. I used to have one vee shaped, 40' at the top with 150' on each side. I fed this antenna with a real balanced line tuner (Johnson Matchbox). Cowabunga!

Also note that a Novice/Tech does have permission to operate cw on 15mtrs from 21.100 to 21.200. A really great band when it's open. Easy to work across the U.S. and DX, not crowded and only a short antenna is needed. I've actually operated on 15 with a 1/4 wave piece of wire (11') as a vertical plugged directly into the coax connector on the back of my transmitter and thumbtacked to the wall.

That's not recommended with uninsulated wire. And regardless of what the experts say - I wouldn't do that again with very much power - too much RF too close to the body.

And as for the original question about hidden antennas - I'd recommend a wire loop. There are two types: Use a balanced feedline (450 ohm good stuff or 300 ohm TV twinlead) with a tuner and make the loop as large as possible for a multiband antenna. Or cut the dimensions exactly for a single band and use a 1/4 wave matching section from 75 ohm coax. Most ARRL antenna literature has a 40 mtr full wave loop example that can be scaled to the band of interest.

Mount the antenna as high and as in the open as possible. I've had a 15mtr single band version made from a $1.49 pak of Radio Shack 22 gauge buss wire hanging from the upper to lower balcony at an apartment. It was nearly invisible and worked well. The third contact was Japan.

Another invisible antenna I've used was a loop of 150' of bell wire around the eaves of the house I'm currently living at fed with the plastic covered 450 ohm feedline run into a MFJ 949 tuner. It listened great. No contacts to report as I didn't staple it down very well and the winds blowing out of the Rockies disconnected the feedline and rearranged the antenna before I had a chance to use it.

Bill "Someday I'm going to really learn about antennas" Vodall
WA7NWP

p.s. Somebody ask Perry about the antenna he used to work Austrailia from a houseboat on Lake Powell, Utah.

From 7620694551054116231
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,99939772707e1acb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 14:49:01 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Limited space antennas
Message-ID: <1344@ke4zv.UUCP>
Date: 20 Sep 90 21:49:01 GMT
References: <1990Sep19.223331.5265@dcdwest.uucp>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 51
Posted: Thu Sep 20 22:49:01 1990

In article <1990Sep19.223331.5265@dcdwest.uucp> plb@dcdwest.uucp (Phil Blais) writes:
>Help!
>After being inactive for ~10 years all of a sudden this ICOM-735 shows up
>on my door step in a basket wrapped in a blanket (well almost).
>Now this looks like a pretty nice little package and I'd love to use it but
>I live in area where VISIBLE external antennas are a no no and therein lies

>my problem. I've considered a few options to get back on the air which
>follow and I'd appreciate any and all comments from knowledgeable sorts as to
>feasibility, performance etc. by e-mail. If enuf responses are rcvd I'll
>summarize to the net.
>
>   1. Is an attic installed limited space antenna a VIABLE solution for
>   10-80 meters e.g. a trapped dipole etc?.

Any antenna is better than no antenna. :-) If you can make the antenna full size and you have the typical wooden decking and shingles roof, then it should do fairly well. Unless your house is really long, you'll probably have to forego 80 meters. A shortened, loaded dipole won't work great in an attic. Try to keep the wire straight. You'll probably also suffer from RF induced in your house wiring and will have to do some suppression to prevent getting into all your appliances.

>   2. Anyone have any experiences (good/bad) with the AEA ISOLOOP
>   either outside or in an attic?

Others on the net seem to like this antenna. I'll let them comment.

>
>   3. In the problem description above I said VISIBLE external
>   antennas. Is it feasible to install a 10-80 meter VERTICAL on a
>   crank-up tower at the back of the house (against the house, not
>   in the yard) and crank it up above roof line after dark?
>   I seem to remember that verticals require good ground radials
>   still true?

Still true. If you're dealing with restrictive covenants here, you could be treading on thin ice. If someone did complain, you would be out a considerable sum to remove the crankup.

>   4. Any other good solutions out there?

A better solution is a disguise antenna. People have put up 66 foot metal flagpoles and proudly flown Old Glory while secretly transmitting to the the ends of the earth. I have never heard of a restrictive covenant that prohibits displaying our national symbol.

Another disguise antenna is a traditional long wire strung high in your trees made of thin magnet wire. This stuff will handle the power level you will be running and is practically invisible from the ground.

Gary KE4ZV

From 1075797235574433232
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,99939772707e1acb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 15:15:49 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!sdd.hp.com!ucsd!network.ucsd.edu!

dcdwest!plb
From: plb@dcdwest.uucp (Phil Blais)
Newsgroups: rec.ham-radio
Subject: Limited space antennas
Message-ID: <1990Sep19.223331.5265@dcdwest.uucp>
Date: 19 Sep 90 22:33:31 GMT
Organization: ITT Defense Communications Division - West
Lines: 31
Posted: Wed Sep 19 23:33:31 1990

Help!
After being inactive for ~10 years all of a sudden this ICOM-735 shows up on my door step in a basket wrapped in a blanket (well almost).
Now this looks like a pretty nice little package and I'd love to use it but I live in area where VISIBLE external antennas are a no no and therein lies my problem. I've considered a few options to get back on the air which follow and I'd appreciate any and all comments from knowledgeable sorts as to feasibility, performance etc. by e-mail. If enuf responses are rcvd I'll summarize to the net.

1. Is an attic installed limited space antenna a VIABLE solution for 10-80 meters e.g. a trapped dipole etc?.

2. Anyone have any experiences (good/bad) with the AEA ISOLOOP either outside or in an attic?

3. In the problem description above I said VISIBLE external antennas. Is it feasible to install a 10-80 meter VERTICAL on a crank-up tower at the back of the house (against the house, not in the yard) and crank it up above roof line after dark?
I seem to remember that verticals require good ground radials still true?

4. Any other good solutions out there?

Thanks much and 73's

```
--
phil blais  N6KXD AMA 12662    ITT    Aerospace Communications Division
dcdwest!plb@ucsd.edu         DEFENSE    10060 Carroll Canyon Road
ucbvax!ucsd!dcdwest!plb                     San Diego, CA 92131
```

From -7770961062521324675
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9d0bf39c7f5d71e1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 16:00:08 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!UCSD.EDU!DXANDY%widener
From: DXANDY%widener@UCSD.EDU
Newsgroups: rec.ham-radio
Subject: Earthwinds Balloon

Message-ID: <5A0913151301033E-MTABWIDENER*DXANDY@widener>
Date: 20 Sep 90 02:35:20 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Thu Sep 20 03:35:20 1990

I was reading an article in Popular Science this morning about the attempt to circumnavigate the globe in a helium balloon. Apparently, the balloon, called Earthwinds, will be transmitting on the amateur bands. The article only mentioned this in brief and gave absolutely no details. Does anyone know what bands/freqs. the balloon will be using?

73's
Andy Greenshields N3IGS
dxandy@cyber.widener.edu   <----- new email address.

From 7812538579297136127
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2a653780769cc16a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 16:27:24 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.uucp (Webster Smogpule III)
Newsgroups: rec.ham-radio
Subject: (was callsign allocations)
Keywords: number of DXCC countries
Message-ID: <37390@ut-emx.uucp>
Date: 20 Sep 90 03:18:10 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 32
Posted: Thu Sep 20 04:18:10 1990

While you folks are digging back in your old QSTs looking for the earliest callsigns in the current series and all those other good things, can anyone tell me roughly how the total number of DXCC countries has changed over the years?   I've been on the air for 3 years from this country, and during that time there have been several new countries added (Aruba, W. Sahara, Rotuma, Unpronounceable Island [4J1], Conway Reef, Banaba Island, Walvis Bay) and no deletions (we expect some deletions soon, due to mergings of the Yemens and Germanies, just as we expect more new ones, but I think the official score in the last 3 yrs is 7 added, 0 deleted). Is this just statistical noise, or have new ones been added at a faster rate than others have been deleted? I know that the current total is 324, and an article in QST earlier this year suggests that another 50 have been on the list but are now deleted.

I think it's obvious that regardless of the DXCC rules, there have been more 'political' countries created over the last few decades, by declaring independence, than there have been deletions by mergers or conquest - and while we are talking trivia here, Namibia was the 160th member of the United Nations earlier this year. For those hams who like to work "real" [U.N.]

countries there is such an award (it comes in various levels, I have the
#1 U.S. award for 120 U.N. countries, which says more about the obscurity
of operating awards than it does about my DXing abilities :-))

So, do any of the OTs remember how many countries there were when DXCC was
first started (obviously more than 100!), when did the total reach 300, etc?
(No flames about how silly country chasing is, that's not the issue!)

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From 5638786892785929920
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,245808e7e08ebf57,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 16:32:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!
ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: 007 NEED NOT APPLY
Message-ID: <9009200153.AA13123@tilde>
Date: 20 Sep 90 01:53:09 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Thu Sep 20 02:53:09 1990

In <9009191847.AA10456@emunix.emich.edu>, rabbani@emunix.emich.edu asks:

> Are there any kind of restriction on non-immigrants (I am here in the States
> on a student visa) applying for a ham radio license?

Part 97 states that ANYONE EXCEPT THE AGENT OF A FOREIGN GOVERNMENT may apply
for a US Amateur Radio License.

73,

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                         !   "In order to accomplish the
 Bob West WA8YCD                !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM       !    the absurd!"
                                !       -- Miguel de Animo y Jugo
 P. O. Box  863069              !
 Plano Texas 75086              !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
From -9218946034458554244
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc119ffd6ed486b3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,fc119ffd6ed486b3
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-09-20 19:10:08 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: International call sign assignment history?
Keywords: calls
Message-ID: <27217@usc.edu>
Date: 20 Sep 90 07:59:58 GMT
References: <108363@philabs.Philips.Com> <44939@apple.Apple.COM>
Sender: news@usc.edu
Followup-To: rec.ham-radio
Organization: EE-Systems, USC, Los Angeles
Lines: 12
Xref: gmdzi rec.ham-radio:14989 rec.radio.shortwave:2170
Posted: Thu Sep 20 08:59:58 1990
Nntp-Posting-Host: pollux.usc.edu

In article <44939@apple.Apple.COM> winter@Apple.COM (Patty Winter) writes:
>This first dawned on me last year when I saw a Thai Air plane with an
>"HSxxx" number. Of course, I'd been seeing "N" on U.S. planes for years,
>but it never occurred to me that there might be a link between those ID
>numbers and the "N" used in ham prefixes.

I've been noticing aircraft licenses for years, and noting where they
were registered.  I see a lot of pictures of British, French, and Swiss
aircraft, and the other non-USA country that I see a lot of is Kenya.

--
Ken Hendrickson N8DGN/6       kjh@usc.edu      ...!uunet!usc!pollux!kjh


From 3024723456300924133
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dae2f31cc4926890,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,4d7b1457911b2b0a
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,dae2f31cc4926890,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-09-20 19:16:36 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!rpi!uupsi!
oswego!news
From: dayger@penelope.Oswego.EDU (Tim Dayger)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap
Subject: Looking for Intro/FAQ info on packet radio
```

Summary: WARNING: Backward child babble...
Message-ID: <1990Sep20.073210.11479@oswego.Oswego.EDU>
Date: 20 Sep 90 07:32:10 GMT
Reply-To: dayger@penelope.Oswego.EDU (Tim Dayger)
Followup-To: rec.ham-radio.packet
Organization: Instructional Computing Center, SUNY at Oswego, Oswego, NY
Lines: 42
Xref: gmdzi rec.ham-radio:14990 rec.ham-radio.packet:2801 rec.ham-radio.swap:618
Posted: Thu Sep 20 08:32:10 1990

OK, I hope you read the summary line above. Here goes:

I've used networks, online services, and BBS's for years, but I've never really paid much attention to packet radio. This may change... depending on what kind of feedback I receive.

Basically, I'm starting from scratch, and need to have some idea of where to begin. I have a list of rudimentary questions like:

1) Just what *is* packet radio?
2) What kind of equipment due I need, and how do I use it with my PC?
3) How much technical (hardware) proficiency is requied to manage a packet radio system? (I have a general understanding of computer hardware, but am more comfortable programming.)
4) Just what's out there for me to access via packet radio? (This is VERY important. I'm not interested in this as a pure hobby, I'm more interested in the resource potentials.)
5) How much will a packet radio set-up cost me? How COST EFFECTIVE is packet radio?
6) What legal issues do I need to consider regarding packet radio? Do I need a license?

etc.

Pointers to reading materials such as books and magazines that my campus or local libraries might carry would be nice.

Personal comments and insights into the world of packet radio would also be appreciated. I've tried reading the ham-radio newsgroups, but a *lot* of it is Greek to me.

Any packet radio operators from central New York out there??

Thanks in advance,

-Tim

```
===============================================================================
= Tim E. Dayger                 |         Internet: dayger@oswego.oswego.edu =
= I.C.C. Operator               |         Bitnet:   dayger@snyoswva.bitnet   =
= SUNY College at Oswego        |         UUCP:     sunybcs!oswego!dayger    =
= Oswego NY                     |         DECNet:   soswva::dayger           =
===============================================================================
```

From 4119058737568257338
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ef26b70d3534ecc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 19:40:37 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!emory!rsiatl!jgd
From: jgd@rsiatl.UUCP (John G. DeArmond)
Newsgroups: rec.ham-radio
Subject: Knucklehead of the Great White North (was Re: Software)
Message-ID: <4059@rsiatl.UUCP>
Date: 20 Sep 90 07:22:27 GMT
References: <4015@rsiatl.UUCP> <275@aupair.cs.athabascau.ca>
Organization: Radiation Systems, Inc. (a thinktank, motorcycle, car and gun works facility)
Lines: 115
Posted: Thu Sep 20 08:22:27 1990

WARNING: Following is a Grade A incendary posting. If your Nomex is
out of date, hit "n" now.

lyndon@cs.athabascau.ca (Lyndon Nerenberg) writes:

[massive blather deleted]

>We are not talking about Brians opinion, we're talking facts. It is
>unfortunate that your narrow view of the world only encompasses
>Usenet. If you investigated the history of rec.ham-radio, you might
>be surprised at the number of people who receive this newsgroup
>via email. You might also be surprised to learn that the mailing list
>was around long before the newsgroup was. And yes, some people DO pay
>real money to read this traffic. (I have to wonder why sometimes.)

Interesting, Lyndon, that you'd be speaking so learnedly about the
net, resource management, costs, and responsibility, considering
that you are posting from a freeloader account at a university.
Perhaps when you grow up, get a real job and pay some of the bills
yourself, you'll perhaps qualify to express an opionion that matters.

In case you are wondering, rsiatl.uucp is owned my myself and one
other person. We bought the equipment. We pay for the phones and
electricity. WE pay the long distance bills. And you know what?
I don't mind at all transporting data through my system that I have
no use for. It pleases me to know that I've served someone else's needs.
I guess you don't learn that concept until you attend the School
of Life for awhile.

>How do you suggest that those "driven to poverty" "fix the problem?"

Take some remedial classes and learn to read. Then reread my posting.
You'll get it eventually.

>Alright John, why don't you prove your point. Since it's trivial,
>write the piece of code that will screen out source and binary postings,
>and mail it to Brian. Please ensure that your program catches C, Fortran,
>Pascal, Assembler (680x0, 80x86, 65xx, 68xx, Z80, 808x, VAX, Sparc, IBM 370),
>and BASIC, in addition to uuencoded stuff. Oh yes, don't forget btoa.
>We'll test it by letting you post your code to rec.ham-radio after Brian
>installs the filter.

That's very easy, Lyndon. I won't fix the problem because I don't have
one. If I DID have a problem with net content, I WOULD fix the problem.

>>Most hams use PCs and for the non-PC software, a
>>simple keyword in the title line will differentiate it from the PC stuff.

>Do you have any hard data to back that statement up?

Idiot.

>> This group would be an ideal place for Phil's latest TCP/IP stuff as
>>well as all the other ham oriented software. Perhaps Bdale could even be
>>pursuaded to set up an automatic poster daemon for the IP stuff.

>Have you met my friend John? What a guy! Always willing to appoint someone
>else to a job that will me his life easier! Tell me, John, do you know how
>many bytes of traffic would be involved if we were to transmit every update
>of NET and NOS (not to mention PE1CHL and the variants)? Get back to us
>when you do.

Why don't you tell us. And then point out to us how much incremental
load that would be. I handle upwards of 40 mb/day through this system.
I suspect an addition meg every little while would not even be a blip
on my load map. I should not be too awfully hard on you for not
knowing this answer. After all, it's not your system.

>It sounds to me like John's ftp command is broken.

Works quite well, thank you. That is, when I have time to muck with
it. I don't have the liberty to sit around at others' expense babying
an interactive ftp session. It's much nicer to find the stuff already
on the machine compliments of that mystical, magical system called
usenet. And if I don't want it, expire and rm work rather well on
my machine too.

>   ">- let the people who have a problem with software in
>   >this group fix the problem for themselves."

>>I say
>>this, of course, because he stated a couple of years ago that it would
>>take too much of his time for him to do so when I asked him to set up an
>>automatic E-mail posting to me so I could redistribute to non- Internet
>>sites.

>So why didn;t YOU set it up?

To take your position for a moment, why should I? Not my problem, man.
I have Internet access. It's the people downstream of me who DON'T
have internet access who would benefit from such a service. To take
my position again, I'd be glad to set it up. Lots of work to set up
a cron job. Oh, I forgot, they probably don't let you use complex
utilities like cron. RTFM. Oh, one other thing, I'm sure that
if Bdale has a problem, he can speak for himself.   I'm sure he
does not need a flatulant mouthpiece such as yourself doing it for him.

>Here's my suggestion:
>   John, shut the fuck up!

Such elegance, such grace, such mastery of the English language. I'm
impressed. Tell us more, Nerd-berg.

```
--
John De Armond, WD4OQC  | We can no more blame our loss of freedom on congress
Radiation Systems, Inc. | than we can prostitution on pimps.  Both simply
Atlanta, Ga             | provide broker services for their customers.
{emory,uunet}!rsiatl!jgd|  - Dr. W Williams |                **I am the NRA**
```

From -2978919077139160805
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1ba945fa99b861e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 19:53:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ub!uhura.cc.rochester.edu!rochester!cornell!uw-beaver!ubc-cs!news-server.csri.toronto.edu!utgpu!watserv1!watmath!att!cbnews!res
From: res@cbnews.att.com (Robert E. Stampfli)
Newsgroups: rec.ham-radio
Subject: Re: Why is aviation radio AM?
Summary: using FM for aviation communications
Message-ID: <1990Sep21.025316.1069@cbnews.att.com>
Date: 21 Sep 90 02:53:16 GMT
References: <144.26F06414@w8grt.fidonet.org> <241@bongo.UUCP>
Organization: AT&T Bell Laboratories
Lines: 47
Posted: Fri Sep 21 03:53:16 1990

In article <241@bongo.UUCP>, julian@bongo.UUCP (Julian Macassey) writes:
> In article <1990Sep15.042855.19812@cbnews.att.com>, res@cbnews.att.com (Robert E. Stampfli) writes:

> >
> > Agreed as to the first part. However, it is simply not true that AM is a world standard. It is a US standard. There are plenty of places in the world where FM is the standard for VHF aeronautical communications.
> > --
>
> If this is so, perhaps someone can list these countries. I assume they must be listed in Jeppesons (sp?). Also, does this mean that to fly internationally I need an extra radio in the cockpit? Or do they now make AM/FM air VHF radios? How do air traffic control tell you that when you next QSY that you will have to use FM?

I have been faithfully e-mailing the following to people who inquired about just where I got my information. Since it has generated more than a little interest/dispute, I will post the story here for everyone to read. If this is in error, I would appreciate someone setting the record straight:

I am the poster of the original note. Last year, I took a trip to New Zealand, and had the opportunity to take a small plane from Queenstown to Milford Sound. I spent some time chatting with the pilot and ATC people. (It was very informal at Milford Sound -- they get about a half-dozen planes a day there, and let me up in the tower.) Since I am a ham, I inquired about their radio gear. They use VHF FM and a lot of HF SSB over there. (New Zealand is mountainous in places, making VHF almost unuseable.)
I was led to believe it is a standard not only for New Zealand, but for the Australian arena as well. When I mentioned we still used AM for ATC back in the States, they were dumbfounded -- holding the opinion it was an outmoded and inferior standard. They said New Zealand had converted to FM years ago.

For what it is worth, I suspect if we could reinvent the wheel at this point we would invent it with FM. However, I think that, given the constraints under which aircraft operate, that AM is not a problem.
I would agree that it would hardly make sense to convert at this point, and if it ever comes about, it would have to be with dual frequencies and a phase in period, to the detriment of everyone's pocketbooks.

My two cents worth...
--
Rob Stampfli / att.com!stampfli (uucp@work) / kd8wk@w8cqk (packet radio)
614-864-9377 / osu-cis.cis.ohio-state.edu!kd8wk!res (uucp@home)

--
Rob Stampfli / att.com!stampfli (uucp@work) / kd8wk@w8cqk (packet radio)
614-864-9377 / osu-cis.cis.ohio-state.edu!kd8wk!res (uucp@home)

From 3255084609670701903
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,68789e705ef3de70,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 20:03:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!zaphod.mps.ohio-state.edu!

unix.cis.pitt.edu!gvlv2!gvlv3.gvl.unisys.com!ean
From: ean@gvlv3.gvl.unisys.com (Ed Naratil)
Newsgroups: rec.ham-radio
Subject: QCWA No-Code Recommendations
Keywords: PR 90-55
Message-ID: <942@gvlv2.GVL.Unisys.COM>
Date: 20 Sep 90 10:43:42 GMT
Sender: news@gvlv2.GVL.Unisys.COM
Reply-To: ean@gvlv3.gvl.unisys.com (Ed Naratil)
Organization: Unisys Defense Systems, Great Valley Labs, Paoli, Pa
Lines: 36
Posted: Thu Sep 20 11:43:42 1990

Quarter Century Wireless Association recommendations in the matter of FCC Docket PR 90-55:

"The Quarter Century Wireless Association, in consideration of the urgent need to bring many new persons into the scientific and engineering fields, because of the projected explosive, worldwide development in electronic communications and, in consideration of the significant role the Amateur Radio Service has traditionally provided as an entry to both technical and operational areas of electronics, physics, chemistry, engineering, and entrepreneurship, respectfully proposes modification of Part 97 of the Rules of the Federal Communications Commission to authorize an entry-class, no-code, Amateur Radio Service License. It is proposed that optional classes of entry-grade Amateur Radio Service licenses be adopted as follows:

Option 1. The Technician Class license would be retained with all present requirements and privileges retained except:

- a: The Morse code requirement would be eliminated.
- b: No privileges would be authorized below 30 MHz.
- c. Special Group D call-signs would be assigned to all qualifying for the Technician class license issued without a Morse code requirement.

Option 2. The Novice class license would be retained with all present requirements and privileges retained except:

- a. The name Novice class would be changed to Communicator class.

---

copied from the Fall "QCWA Journal" Volume 39, No. 3
---
73 de Ed, W3BNR@N3LA.#epa.PA.USA.NA QCWA # 13,930

From 1718783732593504317
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,b1ba945fa99b861e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 20:17:12 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: Why is aviation radio AM?
Message-ID: <12041@crdgw1.crd.ge.com>
Date: 20 Sep 90 13:24:20 GMT
References: <26@<144> <30500740@ux1.cso.uiuc.edu>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 13
Posted: Thu Sep 20 14:24:20 1990
In-reply-to: phil@ux1.cso.uiuc.edu

In article <30500740@ux1.cso.uiuc.edu>, phil@ux1 writes:

>
>I would like to encourage amateur experimentation with R3E and H3E.
>There might be places it is useful. If there are any, shouldn't WE
>be the ones to find it?

The first thing that comes to mind is that ssb with pilot (companded or not)
would be handy for use on sattelites as it could automatically compensate for
changing doppler shift.

-don perley - ke2tp

perley@trub.crd.ge.com

From -1567603946062100207
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29ee03fa11e21926,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 20:27:35 PST
Path: gmdzi!unido!mcsun!uunet!midway!ncar!asuvax!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!CMS.CC.WAYNE.EDU!MEDELMA
From: MEDELMA@CMS.CC.WAYNE.EDU (Michael Edelman ke8yy)
Newsgroups: rec.ham-radio
Subject: Hidden Antennas
Message-ID: <9009201219.AA04945@ucsd.edu>
Date: 20 Sep 90 12:10:33 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25
Posted: Thu Sep 20 13:10:33 1990

Phil Blais asks about hidden antennas. Well, when I was a novice I ran
35 watts CW on 80, 40, 15 and 10 from an apartment using an antenna tuner
and a very thin piece of enamelled wire running across the room, out a window
and up a tree. Invisible, but not the best antenna I'd ever used. Worked,

though. What I'd suggest, however, are the following:

1. Run twin-lead up to aTV antenna mounted on your roof (if *that's* allowed) and from the end, stretch a thin dipole made of black wire to handy trees. Length is not important; make it long as you can and feed it with a tuner.

2. Same trick in your attic. Run the dipole along the ridge and droop the ends to get more length.

3. For the higher HF bands, the AES antenna in your attic might be good.

4. Make attic dipoles from mobile whip antennas- the helical wound fiberglas whip type. Problem is narrow bandwidth on 80 and 40.

5. Run a loop aound your attic; feed with twin lead.

A friend of mine, confined to an apartment, had a very thin and nearly invisable 10 meter full-wave loop stapled to his outdoor porch, and fed with a tuner. He made a lot of DX on SSB and AMTOR, on 10, 15, 20 and 40.

--mike edelman ke8yy   medelma@cms.cc.wayne.edu medelma@waynest1

From 7906238696404781568
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a8d050b6616e5e9a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 20:36:28 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!LONEX.RADC.AF.MIL!szarekw
From: szarekw@LONEX.RADC.AF.MIL (William J. Szarek)
Newsgroups: rec.ham-radio
Subject: re:limited space antennas
Message-ID: <9009201403.AA19948@lonex4.radc.af.mil>
Date: 20 Sep 90 14:03:10 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 36
Posted: Thu Sep 20 15:03:10 1990

If you have trees you have no problems.

1/4 wave at 80 meters is only about 60 feet or so. Build a vertical with wire and keep the wires close to the tree trunk and they will not be "visable".

QST had an article not too long ago about using a random wire tuner and a spike into a tree that would effectively use the tree itself as the antenna. The nice part about this type of vertical is that it already comes with its own radials :-).

Do you have a fence around your yard? Possibly you could set up a loop antenna around the top of the fence.

If you have a dog put up a zep and tell everyone it is a puppy run. (be sure to insulate the lead going to the dog ;-).

Are there lamp posts near your house? load one up, it may work. The lamp may turn on and off as you transmit so be sure to hide your antenna lead to keep the neighbors guessing.

when working with the above just remember that even though you may get a 1:1 SWR the antenna may not work resonate at all. (i.e. a dummy load has an swr of 1:1)

The only way to test for resonance is to hook it up and listen/transmit or use a noise bridge to determine the resonant frequency of your antenna and then trim it or change the feed point untill it works.

good luck
-buzz
kb2kkh

although I work for the government opinions like these will be claimed by nobody.

From 6663241435057365708
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a0b4df795b10199
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 20:39:24 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!tincan.sawyer.af.mil!scxc3
From: scxc3@tincan.sawyer.af.mil (Michael A. Barnes)
Newsgroups: rec.ham-radio
Subject: Limited Space Antennas
Message-ID: <9009201245.AA01278@tincan.sawyer.af.mil>
Date: 20 Sep 90 12:45:29 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 33
Posted: Thu Sep 20 13:45:29 1990

My how lucky to find an IC-735 on your step. Boy I would love to find one like that. At any rate, you are in luck as the Icom AH-2 tuner is one of the best there is and it was designed specifically for the IC-735. Since you found the 735 on your doorstep, then your ham fund should be pretty flush and the tuner should be no problem :-) :-).

The AH-2 tuner will tune anything to any frequency. Run a short coax jumper from the tuner box out the window and hook it up to the rain gutter (assuming of course you have metal rain gutters) and tune away.

I have used rain gutters many times with excellent results, especially in extremely low profile operations. Granted, it was with the old Collins tuner and a KWM-2A, which is a little more forgiving, but I still maintained good communications over a variety of distances. If you lack metal raingutters, perhaps a wire loop around the building, or a good long wire run wherever it is out of site will do.

Good luck es 73,
Michael

--

```
 *****************************************************************************
* Michael A. Barnes                      *   Have a nice AFCC day, eh?
* Internet: LWRCLMR@SACEMNET.AF.MIL      *
* SawyerNet: SCXC3@TINCAN.SAWYER.AF.MIL  *
* HamNet: WA7SKG@N8IYB.MI.USA.NA         *   All standard disclaimers
* Bell Net: 906-346-2811                 *   apply.
* DSNet: 472-2811                        *
* SnailNet: 410 BMW/SCX                  *
*          K.I. Sawyer AFB, MI           *
*               49843-6346               *
******************************************************************************
```

From -4277797264989809261
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9be799c1fdd2743,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 20:42:08 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!
XEROX.COM!"wayne_a._lightsey.RochXRC"
From: "wayne_a._lightsey.RochXRC"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: International call sign assignment history
Message-ID: <900920-071456-2335@Xerox>
Date: 20 Sep 90 14:14:33 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 44
Posted: Thu Sep 20 15:14:33 1990

International call signs and general regulations governing various radio services (Fixed, Broadcast, Marine Mobile, Land Mobile, Satellite, Aeronautical Mobile, etc.) are established by treaty through negotiations conducted by State Department representatives. Ham radio, represented by the ARRL domestically and the International Amateur Radio Union (IARU) - an international lobby of ARRL-like organizations, is but one lobbyist at the WARC treaty meetings which come under the auspices of the United Nations.

At present, ARRL is preparing its views and is represented on the State Department committee formulating proposals for the upcoming WARC meeting. Ham radio is but one of many special interest groups lobbying. IARU is preparing worldwide proposals based upon input from ham radio organizations worldwide, etc.

The State Department representatives are diplomats and negotiators - not knowledgable technocrats in the radio communications field. Issues may arise at the negotiation sessions (whence ARRL, IARU, etc. are NOT present) that go beyond the scope of prepared materials. In such cases, our State representatives have agreed to changes without knowledge of the ramifications. For example, at the last WARC, a proposal was made to give a band of frequencies just above 4 MHz to Marine Mobile services. Having no prepared material (this was an impromptu proposal), State agreed - only to discover later that these frequencies are heavily used by the U. S. Military (including all MARS services). Although efforts are underway to renegotiate this point, the fact remains that it is law and if unchanged, the U.S. Government will have to relocate its military communications in this band to other frequencies.

It is more than coincidental that aircraft registration number prefixes coincide with radio callsign prefix designators - the aircraft numer is the radio callsign (except in the case of part 121 - scheduled commercial airline - flights where the flight number is used). Ships similarly carry callsigns, like land stations, that coincide with the radio prefix of their nation of registry. However, ships names long preceeded callsigns, so the registration number or name of a ship usually has nothing to do with the ships official radio identity. Informally, the ships name is used in radio calls but as with other stations, the licensed radio callsign is supposed to be given at appropriate intervals.

By international treaty, every radio station should have a callsign. Whether they broadcast it or not is a different matter. For example, few if any radar stations transmit their internationally recognized callsign - but they are all supposed to be licensed -- except, of course, those belonging to the military of various nations etc., etc., etc.

```
From -5089922099674963066
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56efebf1ab992020,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 21:20:33 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!rutgers!sun-barr!newstop!west!L1-
A.West.Sun.COM!flloyd
From: flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242)
Newsgroups: rec.ham-radio
Subject: Wanted: Comments on the SB-220
Summary: Are they any good?
Message-ID: <1043@west.West.Sun.COM>
Date: 20 Sep 90 14:57:34 GMT
Sender: news@west.West.Sun.COM
Organization: Sun Microsystems, Mt. View, Ca.
Lines: 15
Posted: Thu Sep 20 15:57:34 1990
```

Recently, I've been considering the purchase of a used SB-220.

I've been impressed with the fact that it uses two 3-500Z's and
it seems to be very reasonably priced compared to others in the
same design category (like the TL922).

Any comments or expericnces about this amplifier would be
appreciated.

Thanks,
de Fred, AA7BQ

--
| Fred Lloyd AA7BQ   flloyd@West.sun.com |
| Sun Microsystems, Inc.   ...sun!flloyd |
| Phoenix, AZ |

From -6950721923046829694
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 23:09:24 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: Novice operating in old days, was Re: Heatkit to be sold?
Message-ID: <12055@crdgw1.crd.ge.com>
Date: 20 Sep 90 17:10:58 GMT
References: <122.26E9904B@w8grt.fidonet.org> <1250226@hpnmdla.HP.COM>
<2523@naucse.cse.nau.edu> <108167@philabs.Philips.Com> <1319@ke4zv.UUCP>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 22
Posted: Thu Sep 20 18:10:58 1990
In-reply-to: gary@ke4zv.UUCP (Gary Coffman)

In article <1319@ke4zv.UUCP>, gary@ke4zv (Gary Coffman) writes:
>In article <108167@philabs.Philips.Com> rfc@briar.philips.com.UUCP (Robert Casey)
writes:
> Is 3.579545Mhz in the novice band? (I don't have the allocations
>>memorized or handy). That freq would be a very common crystal, as it is the
>>color TV color info subcarrier. If it is, then that might be a contact freq.
>>
>>73 de WA2ISE
>
>3.58 Mhz is not in ANY ham band, thank goodness, or there would be incredible
>TVI problems.

I am glad we settled that it *is* in a ham band. Otherwise ARRL
would get a pink slip, as they use that frequency for announcements and
code practice.

That in itself would keep anyone in the northeast from buying a 3.58

(or 3.5795..) crystal for contacts.

-don perley - ke2tp

perley@trub.crd.ge.com

```
From -7692405205954610747
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b3cee7d7a9620ab6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 23:20:58 PST
Path: gmdzi!unido!mcsun!uunet!samsung!umich!mailrus!iuvax!news!cartan!ndmath!
nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: ARRL BULLETIN 30
Message-ID: <160.26F6B806@w8grt.fidonet.org>
Date: 20 Sep 90 07:22:21 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 33
Posted: Thu Sep 20 08:22:21 1990
```

```
 > From: gws@n8emr.UUCP (Gary Sanders)
 > Date: 17 Sep 90 08:59:13 GMT
 > Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP
 > L5
 > Message-ID: <1649@n8emr.UUCP>
 > Newsgroups: rec.ham-radio
 >
 >
 > ==============================================================
 > |               Relayed from packet radio via                |
 > | N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
 > ==============================================================
 >
 > ZCZC AG39
 > ARRL BULLETIN 30  ARLB030
 > FROM ARRL HEADQUARTERS
 > NEWINGTON CT  SEPTEMBER 16, 1990
 > TO ALL RADIO AMATEURS
 >
 > AT THIS TIME, THE BEST GUESS FOR THE NEXT LAUNCH DATE OF STS-35 IS
```

Anybody besides me getting a bit embarrassed by this Chinese fire drill called NASA????

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ___________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From 5038640426352724054
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,22fcb9fa132e61ce
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 23:42:51 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: DIgitrex, Argonaut...
Message-ID: <1336@ke4zv.UUCP>
Date: 20 Sep 90 10:46:41 GMT
References: <9009191201.AA13653@ucsd.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 48
Posted: Thu Sep 20 11:46:41 1990

In article <9009191201.AA13653@ucsd.edu> MEDELMA@CMS.CC.WAYNE.EDU (Michael Edelman ke8yy) writes:

>
>In the meantime I found a used Ten-Tec Argonaut - an early one, judging
>from the SN- that I've been having a bit of fun with. 2 watts output on
>80-10 SSB is a bit of a challenge. I've been playing with microphones in
>an attempt to get better audio, but the best I can get is "you sound like
>you're holding your nose under water". Anyone have experience playing with
>these? My next step is to wire up one of my D-104s, but this seems a bit
>large for what is intended to be (for me) a battery-portable rig.
>
>   mike edelman ke8yy
>   medelma@cms.cc.wayne.edu
>   medelma@waynest1.edu

I had an Argonaut a few years ago with this same complaint. As I recall I found two problems. An electrolytic capacitor in the microphone amplifier had "dried out" or lost value messing up the frequency response of the amplifier. And the radio was out of alignment. The filter was not centered properly, referenced to the carrier oscillator. This is the first radio I have ever found to be out of alignment without a component failure. Anyway it had fine transmit audio after these two fixes.

I also had a receive problem with this radio, the audio would drop to a low level and become distorted. A sharp rap on the case would bring it back for a while. It turned out to be an oxidized connector to the mixer board. If your Argonaut is an older unit, do open it up and clean all the connectors. This is good advice with any "modular construction" equipment since manufacturers tend to cut corners here and not use gold flashed contacts. The solder coated connectors used in most equipment reacts badly to

the sulfur dioxide generated by the catalytic converters on newer cars.
That "rotten egg" smell you often notice from newer cars is the precursor
of sulfuric acid which will react with the lead in the solder and turn
it a black lead sulphate rather quickly in urban areas.

This rig has fine audio when it's working right. The input impedance
for the microphone circuit is 600 ohms while your D-104 uses a ceramic
cartridge with an output impedance of 50,000 ohms. If you intend to
use the D-104, you'll need an impedance matching circuit and probably
a preamp. I use a D-104 on an old B&W 6100 transmitter and have always
liked it's "communications" frequency response characteristic. This is
not a "HIFI" mike by any stretch of the immagination. Most electret
microphones have a very flat frequency response of "broadcast" quality,
that's why we've changed over to them almost completely in the broadcast
business. Impedance matching is critical to good frequency response so
please take all steps necessary to match your microphone to your rig,
you'll be glad you did.

Gary KE4ZV

From 7331273910100259914
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a0b4df795b10199
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 23:43:34 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!cs.utexas.edu!swrinde!emory!wa4mei!
ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Antennas
Message-ID: <1337@ke4zv.UUCP>
Date: 20 Sep 90 10:56:55 GMT
References: <22480016@hpcuha.HP.COM> <1990Sep18.225115.4592@swlabs.uucp>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 37
Posted: Thu Sep 20 11:56:55 1990

In article <1990Sep18.225115.4592@swlabs.uucp> jack@swlabs.UUCP (Jack Bonn)
writes:
>In article <22480016@hpcuha.HP.COM> jimallen@hpcuha.HP.COM (Jim Allen) writes:
>>I would like to get an antenna system
>>that would enable me to use my Novice
>>frequency privileges to the fullest
>>extent.
>> .
>>Is there a small non-dipole or a 70 ft.
>>dipole that could fit the bill?
>
>I really enjoyed my 40 meter dipole. Check your "Tune in the World...",
>for the formula, but it was about 66 feet. It had the advantage of being
>nearly resonant on 15 meters as well, and when 15 meters is open the DX

>can be a real blast.
>
>Actually, I averaged the length of a 40 meter dipole and 3 times a 15
>meter dipole. Had reasonable SWR on both bands.
>
>By the way, I have since ruined it. I thought that having 80 meters
>would be nice, so I bought a pair of traps so I could make it a 40/80
>meter dipole. Since the 40 meter traps act like an open circuit at
>resonance, both 40 and 80 work fine. But the 15 meter capability is
>lost. :-(

This is so true. The only "all band" antenna that I know of that meets your requirements was made by a company called Lattin Radio Labs in Owensboro Ky. This was a 66 foot long multiband dipole tuned by stubs with loading coils on each end for 80 meters. It was made of tubular twinlead with shorts between the twinlead wires at the stub points. It was a clever design and worked very well handling up to 1 kw on all bands. I used one for several years until a storm finally broke it. I haven't seen any ads for it in QST for some years and I believe that Mr. Lattin has passed away. I thought of duplicating it using 12/2 house wire instead of twinlead but never did since I moved to a QTH with enough room for a big antenna farm.

Gary KE4ZV

From -2718820119153394937
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1d631ae2f0306c28,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 00:02:46 PST
Path: gmdzi!unido!mcsun!uunet!know!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: AEA's PK-88 TNC
Message-ID: <246@bongo.UUCP>
Date: 21 Sep 90 07:02:46 GMT
References: <4532@crash.cts.com>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 24
Posted: Fri Sep 21 08:02:46 1990

In article <4532@crash.cts.com>, mikey@pnet01.cts.com (Mike Shirley) writes:
>
> Oh ya, the question...is the 88 worth the money? Any experiences
> with the 88 you'd care to pass along would be appreciated.

I have a PK-88, amongst other TNCs. It works as advertised. Seems to run a tad warm for my liking. If I was putting it on a hill that gets warm, I would put a better heatsink on it and punch some ventilation holes in it. I did that with my TNC-1 in Gucci box, it made both of us happier.

And where is lakeside? Knowing Californian geography, it probably isn't near a puddle let alone a lake.

Yours from where there are no woods and no holly grows here, although I once saw a couple of bushes in Studio City. But then Studio City having no cathedral isn't a city. And Cathedral City outside Palm Springs has neither a cathedral or a city, just a bunch of waterbed shops and gas stations. But I digress.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From 3823436518747494516
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,22fcb9fa132e61ce
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 00:19:09 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: DIgitrex, Argonaut..(Connectors etc)
Message-ID: <247@bongo.UUCP>
Date: 21 Sep 90 07:19:09 GMT
References: <9009191201.AA13653@ucsd.edu> <1336@ke4zv.UUCP>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 39
Posted: Fri Sep 21 08:19:09 1990

In article <1336@ke4zv.UUCP>, gary@ke4zv.UUCP (Gary Coffman) writes:

Mucho stuff flushed.

> It turned out to be an oxidized connector to the mixer board. If
> your Argonaut is an older unit, do open it up and clean all the connectors.

See below for connector cleaning tips.

> This is good advice with any "modular construction" equipment since
> manufacturers tend to cut corners here and not use gold flashed contacts.
> The solder coated connectors used in most equipment reacts badly to
> the sulfur dioxide generated by the catalytic converters on newer cars.

The coating on cheapo connectors is tin, not really solder. Tin contacts work fine if they get excercised and kept away from moisture and such. But if you can avoid them do so. They always get noisy. I prefer silver. Although silver tarnishes (yes sulphur again - never eat boiled eggs with a silver spoon, it annoys the butler), the tarnish is conductive. Tin oxides and sulphides are not conductive and gold stays shiny no matter what and it will never make your fiancees finger green.

> That "rotten egg" smell you often notice from newer cars is the precursor

> of sulfuric acid which will react with the lead in the solder and turn
> it a black lead sulphate rather quickly in urban areas.

The the rotten egg gas is hydrogen sulphide which is now considered toxic and when I was a schoolboy was considered to be great stuff that also gave adults headaches. Most tarnishing in urban areas is caused by sulphur dioxide. This is a by product of coal and oil combustion. It is also found in wine so try not to spill the Ripple into the electronics.

For those of us lumbered with budget tin and even zinc connectors, I suggest some prophelatic treatment with Cramolin Blue and Red. The blue cleans off the crud and the red protects. But you can also clean off with denatured alchohol and coat with Electrolube.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From -8420620136062193785
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c39fb2da4889f93,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,8c39fb2da4889f93,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-09-21 06:27:49 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!asylum!hamavnet!n6vbg!n6vbg
From: n6vbg@n6vbg.hamavnet.com
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Southern California News access
Message-ID: <53.26fa1556@n6vbg.hamavnet.com>
Date: 21 Sep 90 13:27:49 GMT
Organization: The Resource/VAX
Lines: 12
Xref: gmdzi rec.ham-radio:15065 rec.ham-radio.packet:2815
Posted: Fri Sep 21 14:27:49 1990

Hello, fellow netters,

If you're looking for a site that will alow you to read (and post) Usenet News, and exchange Internet mail, in Southern California, look no further. I've made my system available to the public. The phone # is 714-989-4276, up to 2400 baud, MNP5, online 24hrs a day, every day. Log in as NEW when asked for Username:, and follow the prompts from there.

Good luck,

Javier Henderson
N6VBG

From 1647638343662447811
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,9f8dd057b433b6fb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 07:05:23 PST
Path: gmdzi!unido!mcsun!uunet!samsung!interlan.InterLan.COM!interlan.interlan.com!yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: Re: Something funny
Message-ID: <YETSKO.90Sep21100523@interlan.interlan.com>
Date: 21 Sep 90 14:05:23 GMT
References: <1665@lupine.NCD.COM>
Reply-To: yetsko@interlan.interlan.com
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 4
Posted: Fri Sep 21 15:05:23 1990
In-reply-to: phil@hansen.Berkeley.EDU's message of 20 Sep 90 16:07:21 GMT

Gee, what was so funny? I spent 9 years with Tandy and that was about par. Too bad the REALLY good ones are put into a Dave Barry book!

Mike Yetsko
N1DVJ

From 8009455114320404472
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a0b4df795b10199
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 07:30:20 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcuha!jimallen
From: jimallen@hpcuha.HP.COM (Jim Allen)
Newsgroups: rec.ham-radio
Subject: Re: Antennas
Message-ID: <22480017@hpcuha.HP.COM>
Date: 21 Sep 90 14:30:20 GMT
References: <22480016@hpcuha.HP.COM>
Organization: Hewlett Packard, Cupertino
Lines: 9
Posted: Fri Sep 21 15:30:20 1990

I would like to thank everyone
that has responded to my question.
I sent a personal thanks to all
of you but a few didn't make it
through "the gate".

Best Regards,

Jim Allen

From 3876489956724836556

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93ccf95a2df583c3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 09:39:47 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: HP Spectrum Analyzer 8558B Part Question
Message-ID: <4616@qip.UUCP>
Date: 21 Sep 90 16:39:47 GMT
References: <9009210228.AA24812@tilde>
Reply-To: john@qip.UUCP (John Moore)
Organization: Anasazi Inc, Phoenix AZ
Lines: 13
Posted: Fri Sep 21 17:39:47 1990

In article <9009210228.AA24812@tilde> dube@cpdvax.csc.ti.com writes:
]John Moore asks about a replacement for blown diodes, but then reports that
]the fwd voltage drop is .34 volts. If you have measured this drop across the
]diodes, how do you conclude that they are blown? Anyway, how about trying
]a 1N64B? I think these are germanium uWave items.

Only one of the two diodes was blown. I measured the surviving one.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From 232050703588113879
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,212e6a4f46acd501,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 09:49:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: STS-35 delays and NASA-bashing
Message-ID: <4617@qip.UUCP>
Date: 21 Sep 90 16:49:00 GMT
References: <9009211307.AA22241@ucsd.edu>
Reply-To: john@qip.UUCP (John Moore)
Organization: Anasazi Inc, Phoenix AZ
Lines: 42
Posted: Fri Sep 21 17:49:00 1990

In article <9009211307.AA22241@ucsd.edu> jmaynard@THESIS1.HSCH.UTEXAS.EDU (Jay Maynard) writes:
]All the current NASA-bashing is really getting to me...
]
]Someone locally predicted that everyone would completely forget that the

]current series of launch scrubbings would be for safety reasons, and would
]instead focus on the fact that we'd scrubbed. From Jim Grubs' comments here,
]as well as others I've heard just about everywhere I listen, they're completely
]right.
]
]_I_ am getting tired of the double standard here: first NASA is shot at for
]trying to launch too quickly, and cutting corners on safety in the aftermath
]of the Challenger accident, and then they're shot at for taking precautions
]for safety reasons and delaying flights. You can't have it both ways!

Jay, the real problem is that NASA sold the shuttle system to congress and the public as a reliable, cheap launching system. Pressure to meet that promise caused the Challenger accident. They still can't admit that the shuttle program has been an unmitigated disaster.

It has greatly reduced america's space launch capability. It has led to such potential disasters as a several year window when we could not launch any KH series spy satellites, when only one KH-11 was functional. We currently have only one working geosynchronous meteorological satellite, when we are supposed to have two active and one in-orbit space. Now we find that the replacement (which was supposed to be launched years ago) has defective mirrors and would not work. Then there's the Hubble telescope.

Yes - NASA has a lot to answer for. As with any government bureaucracy, NASA has become barnacle encrusted, and has replaced engineering decisions with political decisions.

On the other hand, I have great respect for the technical people in NASA. Many of these people are incredibly well educated, very bright and yet accepting relatively low government pay because of their devotion to the space program.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -4027035307231445097
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1ba945fa99b861e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 10:52:02 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!decwrl!sun-barr!olivea!oliveb!amdahl!ntmtv!adrian
From: adrian@ntmtv.UUCP (Adrian Brandt)
Newsgroups: rec.ham-radio
Subject: Re: Why is aviation radio AM?
Message-ID: <1614@ntmtv.UUCP>
Date: 21 Sep 90 17:52:02 GMT
References: <44784@apple.Apple.COM>

Organization: Northern Telecom, Mtn. View, CA
Lines: 15
Posted: Fri Sep 21 18:52:02 1990

From article <44784@apple.Apple.COM>, by chuq@Apple.COM (The Wandering Phew):
>>>My guess is that (1) converting to FM would be super expensive for airlines

> Actually, it's simpler than that. Safety. If you have two AM radios on
> the same frequency, they'll garble each other. FM is more likely to

Are you sure this is the reason? Why then don't all critical transmissions take place on AM? I scan local police regularly. When they have broadcasting collisions they are always quite noticeable and they're using FM...

--

Adrian Brandt (415) 940-2379
UUCP: {amdahl|ames|hplabs}!ntmtv!adrian
ARPA: ntmtv!adrian@ames.arc.nasa.gov

From 7017444145868948247
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a44235ea05c21a0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 11:39:47 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!usc!apple!apple.com!stone
From: stone@apple.com (Glen "Crash" Stone)
Newsgroups: rec.ham-radio
Subject: AR1000 Programming Shortcut
Message-ID: <10357@goofy.Apple.COM>
Date: 21 Sep 90 18:39:47 GMT
Sender: usenet@Apple.COM
Organization: Apple Computer, Inc.
Lines: 24
Posted: Fri Sep 21 19:39:47 1990

Hi,
I mentioned in my comparison of the R1 and AR1000 that there were a couple os short cuts for programming it. One thing to note, my unit came with newer documentation than my friend's, and covered some things not in his doc. I can't remember the differences, but below are some hints not covered in any of the docs.

To program in a frequency to a scan channel, get to the channel of choice, type in the frequency, hit enter, then select
AM or FM. Hit the AM/FM or WFM even if you didnUt need too
For some reason, the frequency is now programmed in. Then to go up in sequential order I just hit the manual button which advances up to the next channel. Note that if you don't
hit the FM/AM or WFM key you can listen to that channel with-out adding it to the scan memory. You can also manually search up or down from there. The

problem is if your not in the right recieve mode (AM/FM/WFM) and you change modes then that freq. is stored. I always leave channel 000 as a scratchpad location to do manual searching and direct frequency entering... I find this a plus feature.

There is no way (that I know of) to simply review the limits set on search banks. One hack is to enter the search, which always starts at the beginning and then search down (manually), this wraps around to the upper limit.

Remember to make use of the freq. lockouts in the search mode. For example I use only one search bank to search a range of freqs. that has some annoying signaling channels in the middle of the range. The other, less optimum solution, is to use two search banks and link them together.

Glen

From -8411290154259128402
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56efebf1ab992020
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 12:39:01 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Wanted: Comments on the SB-220
Summary: SB220 opinion
Message-ID: <261@ssc.UUCP>
Date: 21 Sep 90 19:39:01 GMT
References: <1043@west.West.Sun.COM>
Organization: very little
Lines: 29
Posted: Fri Sep 21 20:39:01 1990

In article <1043@west.West.Sun.COM>, flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix SE 602-275-4242) writes:
> Recently, I've been considering the purchase of a used SB-220.
> I've been impressed with the fact that it uses two 3-500Z's and
> it seems to be very reasonably priced compared to others in the
> same design category (like the TL922).

The SB220 is a nice amplifier. Mine still works great, and I built it from a kit over ten years ago. It is rugged, and I even use it on RTTY with 500 watts out.

You might check out the mod that involves replacing the diode string in the power supply with higher rated diodes, and equalizing resistor/cap in parallel with each one. I also operate mine without the green cover (there is still internal shielding) and I have several surplus muffin fans sitting on top to provide additional cooling for RTTY operations.

It is a nice rugged amp, although there are other amps like the Henry 2K that use 3500Zs and have a beefier power supply. I sure would prefer it to Heath's new version that has just one tube.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

```
From 2926184021107142493
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2862ba03294dc91c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 12:48:16 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cica!iuvax!rutgers!cunixf.cc.columbia.edu!
cunixa.cc.columbia.edu!cy5
From: cy5@cunixa.cc.columbia.edu (Conway Yee)
Newsgroups: rec.ham-radio
Subject: Re: Radio Propagation and Nuclear Winter ?
Message-ID: <1990Sep21.194816.27483@cunixf.cc.columbia.edu>
Date: 21 Sep 90 19:48:16 GMT
References: <9009181856.AA27614@ucsd.edu> <291@aupair.cs.athabascau.ca>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Reply-To: cy5@cunixa.cc.columbia.edu (Conway Yee)
Organization: Columbia University
Lines: 18
Posted: Fri Sep 21 20:48:16 1990
```

In article <291@aupair.cs.athabascau.ca> lyndon@cs.athabascau.ca (Lyndon Nerenberg) writes:
>RHAREL%FAB8@SC.INTEL.COM ("RICHARD HAREL-CAL.LAB 7589") writes:
>
>>With all other services down, I would imagine Amateur Radio would be one of the
>>only sources of communications.
>
>I would think that if someone dropped a nuke, The recipient of this
>little gift would waste little time declaring a state of war. I think
>that one of the first things to happen after that would be a suspension
>of all amateur radio operating priv's.

True, but this assumes that there will still be a government still in control of the situation. After a massive nuclear attack, there may not be a government left worth mentioning. A state of chaos would exist on both sides of the conflict; neither side would be able to mount a followup assault. Thus, the war would be effectively over.

Conway Yee, N2JWQ

```
From 5301141511290710757
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,99939772707e1acb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 13:33:27 PST
Path: gmdzi!unido!mcsun!uunet!motcid!svec
From: svec@motcid.UUCP (Larry Svec)
Newsgroups: rec.ham-radio
Subject: Re: Limited space antennas
Message-ID: <4659@feldspar2.UUCP>
Date: 20 Sep 90 20:40:21 GMT
References: <1990Sep19.223331.5265@dcdwest.uucp>
Organization: Motorola Inc., Cellular Infrastructure Div., Arlington Heights, IL
Lines: 14
Posted: Thu Sep 20 21:40:21 1990

How about a ground mounted vertical for 10,15 and 20 mounted
inside a piece of white PVC pipe... tie-wrap (don't use wire)
an American flag on it and be the most patriotic person on the block!
If I'm not mistaken, I have seen some of those kind of verticals
that are about 15 feet long and are slim enough to do this.
You can bury the radials at night when no-one's looking...
Not only will noone know you have the antenna but you won't be
blamed for TVI every time someone gets a glitch on their TV
even when you are not operating!
--
Larry Svec - KD9OF     (good in 1987 or newer callbooks)
      home: 708-526-1256
      work: 708-632-5259    fax: 708-632-2413, -3741
    e-mail: uunet!motcid!svecl
```

```
From -7614855946372321988
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b3cee7d7a9620ab6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 13:48:35 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!
ncar!mephisto!psuvax1!rutgers!cunixf.cc.columbia.edu!cunixa.cc.columbia.edu!cy5
From: cy5@cunixa.cc.columbia.edu (Conway Yee)
Newsgroups: rec.ham-radio
Subject: Re: ARRL BULLETIN 30
Message-ID: <1990Sep20.214118.19450@cunixf.cc.columbia.edu>
Date: 20 Sep 90 21:41:18 GMT
References: <160.26F6B806@w8grt.fidonet.org>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Reply-To: cy5@cunixa.cc.columbia.edu (Conway Yee)
Organization: Columbia University
Lines: 13
Posted: Thu Sep 20 22:41:18 1990

In article <160.26F6B806@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim
```

Grubs) writes:
> >
> > AT THIS TIME, THE BEST GUESS FOR THE NEXT LAUNCH DATE OF STS-35 IS
>
>Anybody besides me getting a bit embarrassed by this Chinese fire drill called
>NASA????

If what you mean by this statement is that you are embarrassed by the
constant scrubs, then I would have to disagree. I would prefer to delay the
launch than to see the thing blow up. It is much better to err on the
side of caution.

Conway Yee, N2JWQ

From -5873320037714918922
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c9bfc77765ff87bb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 13:50:06 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!ames!uhccux!uhunix1.uhcc.Hawaii.Edu!johns
From: johns@uhunix1.uhcc.Hawaii.Edu (John P. Shalamskas)
Newsgroups: rec.ham-radio
Subject: Re: 10 M Interference
Summary: Colorburst harmonics
Keywords: Interference
Message-ID: <9499@uhccux.uhcc.Hawaii.Edu>
Date: 21 Sep 90 20:50:06 GMT
References: <1134@larry.sal.wisc.edu>
Sender: news@uhccux.uhcc.Hawaii.Edu
Followup-To: johns@uhunix.uhcc.hawaii.edu
Organization: University of Hawaii
Lines: 4
Posted: Fri Sep 21 21:50:06 1990

Speaking of mysterious carrier signals, how about the one at 28.626?
It is the 8th harmonic of the TV colorburst frequency. Those TV sets
that surround us are quite strong even at the 8th harmonic.

From 5053683924041902545
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4dad5d0f1aaa3397
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 14:14:38 PST
Path: gmdzi!unido!mcsun!uunet!know!cs.utexas.edu!news-server.csri.toronto.edu!
utgpu!watserv1!watmath!att!bellcore!cellar!martin
From: martin@cellar.uucp (Martin Harriss (ACP))
Newsgroups: rec.ham-radio
Subject: Re: QSL Information
Message-ID: <27112@bellcore.bellcore.com>
Date: 21 Sep 90 21:14:38 GMT

References: <5A091210072B007E-MTABWIDENER*DXANDY@widener> <7880288@hpfcdc.HP.COM>
Sender: news@bellcore.bellcore.com
Reply-To: martin@cellar.UUCP (Martin Harriss (ACP))
Organization: Bellcore
Lines: 9
Posted: Fri Sep 21 22:14:38 1990

In article <7880288@hpfcdc.HP.COM> ajs@hpfcdc.HP.COM (Alan Silverstein) writes:
>He said he was in the callbook, but he's not in the 2/90 on-line copy I
>have here, and I don't have the paper supplement. I promised a postcard...

Is the 2/90 callbook available on any of the internet servers?
If so, which?

Martin Harriss kb2jyz
martin@cellar.bae.bellcore.com

From 8658240745444473093
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 14:54:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!rpi!bu.edu!transfer!crackers!cpoint!frog!john
From: john@frog.UUCP (John Woods)
Newsgroups: rec.ham-radio
Subject: Re: Novice operating in old days, was Re: Heatkit to be sold?
Message-ID: <19151@frog.UUCP>
Date: 21 Sep 90 21:54:00 GMT
References: <149.26F15120@w8grt.fidonet.org> <1250230@hpnmdla.HP.COM>
Organization: Misanthropes-R-Us
Lines: 13
Posted: Fri Sep 21 22:54:00 1990

In article <1250230@hpnmdla.HP.COM>, alanb@hpnmdla.HP.COM (Alan Bloom) writes:
> >No, the 80 meter Novice band is currently 3675 to 3725 KHz.
> I believe this is a proposal by the FCC that has not been enacted upon
> yet. It was to relieve the novices of QRM from Canadian phone operation.

Ah, gee! I once had a lot of fun working a VE7 phone operator in the Novice
band!

--
John Woods, Charles River Data Systems, Framingham MA, (508) 626-1101
...!decvax!frog!john, john@frog.UUCP, ...!mit-eddie!jfw, jfw@eddie.mit.edu

---

From 6433882916885805903
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ef26b70d3534ecc

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 15:07:35 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!ub!uhura.cc.rochester.edu!rochester!cornell!uw-beaver!ubc-cs!alberta!atha!aupair.cs.athabascau.ca!rwa
From: rwa@cs.athabascau.ca (Ross Alexander)
Newsgroups: rec.ham-radio
Subject: Re: Knucklehead of the Great White North (was Re: Software)
Message-ID: <299@aupair.cs.athabascau.ca>
Date: 21 Sep 90 22:07:35 GMT
References: <4015@rsiatl.UUCP> <275@aupair.cs.athabascau.ca> <4059@rsiatl.UUCP>
Organization: Athabasca University
Lines: 15
Posted: Fri Sep 21 23:07:35 1990

jgd@rsiatl.UUCP (John G. DeArmond) writes:

>Interesting, Lyndon, that you'd be speaking so learnedly about the
>net, resource management, costs, and responsibility, considering
>that you are posting from a freeloader account at a university.
>Perhaps when you grow up, get a real job and pay some of the bills
>yourself, you'll perhaps qualify to express an opionion that matters.

Sorry, John, but Lyndon is staff here & definitely pulls his weight.
I am his boss, I guess I might know.

--
--
Ross Alexander   rwa@cs.athabascau.ca   (403) 675 6311   ve6pdq

From 418501123218180079
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1cdf5617bf571116,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 15:44:48 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!uwm.edu!bionet!agate!shelby!portia.stanford.edu!jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: Abreviations for Units (Questions)
Message-ID: <1990Sep21.224448.25072@portia.Stanford.EDU>
Date: 21 Sep 90 22:44:48 GMT
References: <9009211744.AA01345@cmr.ncsl.nist.gov>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 6
Posted: Fri Sep 21 23:44:48 1990

Hmmm, well I've always used 'b' for bit and 'B' for byte. Baud is really
s^-1. bps instead of bs^-1 is probably the better of the two....

-=Paul Flaherty, N9FZX/VK2WYX | "TEXAS! Has a USENET in it... (Lord have Mercy
->paulf@shasta.Stanford.EDU | on us all!)" -- _The Best Little Net in Texas_

From -7098416011589248072
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93ccf95a2df583c3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 16:18:25 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: HP Spectrum Analyzer 8558B Part Question
Message-ID: <9009210228.AA24812@tilde>
Date: 21 Sep 90 02:28:22 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Fri Sep 21 03:28:22 1990

John Moore asks about a replacement for blown diodes, but then reports that the fwd voltage drop is .34 volts. If you have measured this drop across the diodes, how do you conclude that they are blown? Anyway, how about trying a 1N64B? I think these are germanium uWave items.
73,   Dube   N5PDK

From -7824536510712416593
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b3589e1a6da13ac
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 16:37:51 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: hand held xcvr vs airport security
Message-ID: <7880289@hpfcdc.HP.COM>
Date: 21 Sep 90 23:37:51 GMT
References: <3050@mrsvr.UUCP>
Organization: HP Fort Collins, Co.
Lines: 10
Posted: Sat Sep 22 00:37:51 1990

> Let'em blast it. The X-rays won't hurt it.

Well even if it would cause crystal defects, the innards are inside a metal case, right? At least in the case of my FT411. Of course the X rays might bother the LCD, or perhaps a strong magnetic field would injure something... ?

> ...embarressing if you don't know any of the local repeater freqs.

Just do a memory scan?

From 8948777607666281118
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a846005af4cd8224,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 16:40:24 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Ham Radio Liscence
Message-ID: <7880290@hpfcdc.HP.COM>
Date: 21 Sep 90 23:40:24 GMT
References: <66@casbah.acns.nwu.edu>
Organization: HP Fort Collins, Co.
Lines: 13
Posted: Sat Sep 22 00:40:24 1990

> I would like to get a license to use a ham radio. What do I have to do?

Study and take the test at the next local hamfest or periodic exam date, usually sponsored by a local repeater club.

> Do I have to know Morse code or has that changed?

Yeah, unfortunately, 5WPM. Pick up a copy of "Tune in the World with Ham Radio" (did I get the title right this time? :-) and the tapes that go with it, from a local radio/electronics store, or order through a bookstore. It will give you what you need. Good luck, have fun.

Alan, N0MFW

From -2770121401434454637
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a32575a09ab46087,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-21 17:02:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!SWTEXAS.BITNET!BA01
From: BA01@SWTEXAS.BITNET
Newsgroups: rec.ham-radio
Subject: On being a ham (was homebrew,magmounts,etc)
Message-ID: <9009220002.AA00220@ucsd.edu>
Date: 22 Sep 90 00:02:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 40
Posted: Sat Sep 22 01:02:00 1990

Hello. I have been a ham since the fall of '88 and received my Technician ticket last October. I've gained some interesting info and have refrained from jumping in the fray on the numerous long-winded debates on this list. However, there are some opinions I would like to voice.

It's extremely unfortunate to read the large number of messages from hams who apparently have not only decided what the hobby means to them but have decided that it should mean the same thing to all others. For example, you're only a "real" ham if you punch a hole in your roof to mount your antenna and build/repair/modify your equipment.

This sounds extremely elitist. Hey, I know these folks don't know me and it's probably not personal. However, it is insensitive and it doesn't do anything for the hobby...especially on a list like this which is subscribed to by many different people.

What I got into ham radio for was the communication and the friendly atmosphere -- not something you can (or are meant to) find on any other communications service. I wasn't interested in the technical aspect at the time other than to operate my equipment safely and competently.
And if I had been given an attitude by hams around me that I could only be a part of amateur radio by being a "techie" I probably wouldn't have bothered. That's why I got into it. Others probably have different reasons. I don't expect anyone else to espouse mine.

That's the nice thing about hobbies: you can get what you want out of it and participate to whatever degree jazzes you.

Thanks for your attention.

Bernie, N5PQY

```
Bernie Asher                         "Just machines to make big decisions,
Administrative Data Processing        programmed by fellows with compassion
Southwest Texas State University         and vision" - Donald Fagen, "I.G.Y."
San Marcos, Texas  78666

ba01@swtexas.bitnet                  *The views expressed by me are not*
512-245-2271                         *necessarily those of my employer.*
```

```
From -7769250523379803604
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a0b4df795b10199
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-18 15:51:15 PST
Path: gmdzi!unido!mcsun!uunet!swlabs!jack
From: jack@swlabs.uucp (Jack Bonn)
Newsgroups: rec.ham-radio
Subject: Re: Antennas
Message-ID: <1990Sep18.225115.4592@swlabs.uucp>
```

```
Date: 18 Sep 90 22:51:15 GMT
References: <22480016@hpcuha.HP.COM>
Reply-To: jack@swlabs.UUCP (Jack Bonn)
Organization: Software Labs, Ltd.
Lines: 31
Posted: Tue Sep 18 23:51:15 1990

In article <22480016@hpcuha.HP.COM> jimallen@hpcuha.HP.COM (Jim Allen) writes:
>I would like to get an antenna system
>that would enable me to use my Novice
>frequency privileges to the fullest
>extent.
> .
> .
> .
>Is there a small non-dipole or a 70 ft.
>dipole that could fit the bill?

I really enjoyed my 40 meter dipole.  Check your "Tune in the World...",
for the formula, but it was about 66 feet.  It had the advantage of being
nearly resonant on 15 meters as well, and when 15 meters is open the DX
can be a real blast.

Actually, I averaged the length of a 40 meter dipole and 3 times a 15
meter dipole.  Had reasonable SWR on both bands.

By the way, I have since ruined it.  I thought that having 80 meters
would be nice, so I bought a pair of traps so I could make it a 40/80
meter dipole.  Since the 40 meter traps act like an open circuit at
resonance, both 40 and 80 work fine.  But the 15 meter capability is
lost.  :-(

-Jack
--
Jack Bonn, KC1UH, <> Software Labs, Ltd, Box 451, Easton CT  06612
uunet!swlabs!jack (UUCP)
jack@kc1uh        (TCP/IP)
kc1uh@wb1cqo      (AX.25)


From 5590836163069953609
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,674a02ed1fa1de41
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-18 16:12:10 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!snorkelwacker!apple!portal!
cup.portal.com!ckp
From: ckp@cup.portal.com (Christine K Paustian)
Newsgroups: rec.ham-radio
Subject: Re: Genie information systems, Ham Radio, and gateway to UUCP,
Message-ID: <34034@cup.portal.com>
Date: 18 Sep 90 23:12:10 GMT
References: <4437@crash.cts.com> <44870@apple.Apple.COM>
```

Organization: The Portal System (TM)
Lines: 29
Posted: Wed Sep 19 00:12:10 1990

The GEnie Radio Round Table is well worth the cost of GEnie's Star Service monthly charge of $4.95. The Radio BBS is one of many conferences that will be available at no hourly charge - all you want for your $4.95. Keep in mind that the Radio BBS is but one of several features available in the Radio Round Table. There are a couple of dozen active discussions at this time, including the Middle East, Scanner Mods, a Newcomer's Corner and plenty more. There's a file library of radio-related files that has several hundred items available for download, as well.

The Sysop is Larry Ledlow, NA5E, formerly of 73 Magazine. He does a great job and the forum is well moderated, lively and informative. Some months ago, Havana Moon and I introduced the GEnie bunch to live DXing - something which is consistently found to be addictive and plenty of fun. GEnie now has monthly live DXing sessions and it has proved to be such a winner that Larry is planning to do a live session once a week.

By the way - I have no professional affiliation with GEnie - my comments are simply those of a happy customer.

/ckp

```
     %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
     %   Christine K. Paustian         %   ckp@cup.portal.com             %
     %   Los Numeros On-Line          %%%  sun!portal!cup.portal.com!ckp  %
     %   PO Box 149                   %%%  1:272/39  FidoNet              %
     %   Briarcliff Manor, NY 10510    %   Where Radio Is Fun Again       %
     %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

From 1967003811454152105
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f330015d60d2ddc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-18 17:28:49 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR/KT)
Newsgroups: rec.ham-radio
Subject: Re: Mark Colosia and posting garbage
Message-ID: <1990Sep19.002849.12031@NCoast.ORG>
Date: 19 Sep 90 00:28:49 GMT
References: <9009171200.AA11161@ucsd.edu>
<1990Sep17.203047.27369@cunixf.cc.columbia.edu>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR/KT)
Followup-To: rec.ham-radio
Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 14

Posted: Wed Sep 19 01:28:49 1990

As quoted from <1990Sep17.203047.27369@cunixf.cc.columbia.edu> by
cy5@cunixa.cc.columbia.edu (Conway Yee):
+---------------
| In article <9009171200.AA11161@ucsd.edu> MROWEN@STLAWU.BITNET (Mike Owen W9IP)
writes:
| >Posting source code is a ridiculous waste of net resources and
+---------------

That depends on *where* it's posted. (hint, hint)

++Brandon

```
--
Me: Brandon S. Allbery              VHF/UHF: KB8JRR/KT on 220, 2m, 440
Internet: allbery@NCoast.ORG             Packet: KB8JRR @ WA8BXN
America OnLine: KB8JRR              AMPR: KB8JRR.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery    Delphi: ALLBERY
```

```
From -3424087531784775765
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f442bd7c71f7df94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-18 19:12:00 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: High-tension towers
Message-ID: <30500739@ux1.cso.uiuc.edu>
Date: 19 Sep 90 02:12:00 GMT
References: <85934@aerospace.AERO.ORG>
Lines: 27
Nf-ID: #R:aerospace.AERO.ORG:85934:ux1.cso.uiuc.edu:30500739:000:1297
Nf-From: ux1.cso.uiuc.edu!phil    Sep 18 21:12:00 1990
Posted: Wed Sep 19 03:12:00 1990
```

> I live in Venice, CA, about three buildings away from a major boulevard
> that's got a nice line of high-tension towers marching down it. I
> can hear the corona discharge buzzing from my bedroom, and broadcast
> channels 2 and 4 are pretty "sparkly".

I would recommend moving, for reasons other than the radio. If it is
buzzing that loud, something is definitely wrong. If you are a lot more
daring, you might get some incendiary devices............[never mind]

> The question: Can anybody give me some idea of what to expect in
> the way of a QRN spectrum from those #*$@(&$# HT lines? I mean
> aside from the cancer, that is...

It may be varying with the weather, too. I can hear radio noise as high as UHF coming from the primary lines going by my apartment. 160 meters is useless most of the time, and 80 meters is much of the time.

> I own the house so I can put up pretty much any kind of antenna - no
> covenants in a neighborhood THIS old! But if I can expect all DX
> to be wiped out, mebbe I better concentrate on running mobile.

I guess moving won't be as easy. And of course none of the hams would buy the place.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -7909013907095034454
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-18 21:01:01 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!usc!ucsd!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Novice operating in old days, was Re: Heatkit to be sold?
Message-ID: <1250230@hpnmdla.HP.COM>
Date: 19 Sep 90 04:01:01 GMT
References: <149.26F15120@w8grt.fidonet.org>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 11
Posted: Wed Sep 19 05:01:01 1990

>No, the 80 meter Novice band is currently 3675 to 3725 KHz.

I believe this is a proposal by the FCC that has not been enacted upon yet. It was to relieve the novices of QRM from Canadian phone operation.

ARRL has counter-proposed to simply expand the band (now 3700-3750) to 3675-3750.

AL N1AL

From 8845157725896102275
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bbc5db2848cdb654
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-18 21:06:55 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio

Subject: Re: Try Shunt Feeding your Tower!?
Message-ID: <1250231@hpnmdla.HP.COM>
Date: 19 Sep 90 04:06:55 GMT
References: <4490@tuminfo1.lan.informatik.tu-muenchen.dbp.de>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 12
Posted: Wed Sep 19 05:06:55 1990

Re: RF getting on the coax cables when shunt-feeding a tower.

My suggestion would be to:

#1. Connect the coax shields to the tower leg at the bottom. And:
#2. Make sure the bottom of the tower is at RF ground potential.
The easiest way to do this is to connect a couple (or more)
quarter-wave radials to the bottom of the tower. I realize so few
radials may not be suffcient to reduce ground losses, but at least
it should decouple the tower base and reduce your "RF in the shack."

AL N1AL

From 5816984877764055050
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7512601af3b61603,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-18 21:56:45 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx (Webster Smogpule III)
Newsgroups: rec.ham-radio
Subject: international calls
Keywords: maybe
Message-ID: <37356@ut-emx>
Date: 19 Sep 90 04:56:45 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 31
Posted: Wed Sep 19 05:56:45 1990

charyd@silver.ucs.indiana.edu (david chary) says:

(this bit from Jim Price K6ZH)

```
>There is some logic to some of the basic pattern:
>
>    D (part)        Deutschland
>    E (part)        Espana

>And then there are basic letter allocations that don't track:

>    P               Holland and possessions
```

Actually, P does make some sense. In French, the official language
of the ITU, Holland is referred to as "Pays-Bas".

Very clever.... but then shouldn't the Germans have got the A series
instead of the D series?

I agree with the original poster (sorry, forget who it was now) who
mentioned whiling away time at international airports checking out
the 'calls' on airplanes. It can make you seem quite erudite to spot
a tiny piece of fuselage with "SV..." on it and casually say "hmm,
probably Olympic Airways", who says ham radio is useless? :-)

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From -2673163472467116404
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bbc5db2848cdb654
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-18 22:27:12 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!know!samsung!
sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Try shunt feeding your tower!?
Message-ID: <1330@ke4zv.UUCP>
Date: 19 Sep 90 05:27:12 GMT
References: <4490@tuminfo1.lan.informatik.tu-muenchen.dbp.de>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 31
Posted: Wed Sep 19 06:27:12 1990

In article <4490@tuminfo1.lan.informatik.tu-muenchen.dbp.de>
buettneb@lan.informatik.tu-muenchen.dbp.de (Bernhard Buettner) writes:
>
>The shack is about 50 feet away from the tower and it is
>below the ground level (in the ceiling). The outside of the
>coax cables coming down from the tower carries the RF.
>How to get rid of the RF on the cable? I buried the cables
>under the tower. They now disappear in the ground below the
>tower and come out of the wall in the shack. But the RF is
>still there ...
>
>I could think of big ferrite cores but where can I get cores
>that are big enough for RG-213?
>
>Any other ideas?
>
>

>73 Ben, DL6RAI

Just skin back the outer insulation on your coax at the base of the
tower and bond it to the tower with a stainless steel hose clamp.
Pot the whole joint with roof cement to waterproof the connection
and no more RF on the cables. This also helps protect your shack
from lightning. An even better solution would be to use a commercial
lightning supressor at the tower base since that has an arc cartridge
to protect the inner conductor as well. Rotor cables can be bypassed
with .001 caps from each lead to the tower base ground. Again, commercial
lightning supressors are available for these cables as well. I've
shunt fed my tower, 60 feet with tribander on top, for 80 and 160
meters and it works well.

Gary

From 3891175777820303668
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ef26b70d3534ecc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-19 06:05:30 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!zaphod.mps.ohio-state.edu!lavaca.uh.edu!uhnix1!lobster!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Software postings in this group.
Message-ID: <FV2.D.@splut.conmicro.com>
Date: 19 Sep 90 13:05:30 GMT
References: <4015@rsiatl.UUCP> <275@aupair.cs.athabascau.ca>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 20
Posted: Wed Sep 19 14:05:30 1990

In article <275@aupair.cs.athabascau.ca> lyndon@cs.athabascau.ca (Lyndon
Nerenberg) writes a good, if somewhat inflammatory, response to John
DeArmond's call for continued software postings here. (Pot calling the
kettle black? What, me flame? :-)

I, too, get this group by mailing list (not here, but at work). Software
postings to the group fill my mailbox with no useful result. I'd like to
see programs distributed by some other method.

Still, Lyndon's posting has one flaw:
>It sounds to me like John's ftp command is broken.

Not everyone has FTP access, either. There are Usenet groups for
software distribution. Why don't we use them?

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
```

"I can't believe I really wrote   +--------------------------------------
this." - Henry Spencer, about awf, his nroff -ms subset written in awk

From -8653717092771121003
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc119ffd6ed486b3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,fc119ffd6ed486b3
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-09-19 06:10:36 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!lavaca.uh.edu!uhnix1!lobster!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: International call sign assignment history?
Keywords: calls
Message-ID: <LV2.CA@splut.conmicro.com>
Date: 19 Sep 90 13:10:36 GMT
References: <108363@philabs.Philips.Com> <44939@apple.Apple.COM>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 17
Xref: gmdzi rec.ham-radio:14969 rec.radio.shortwave:2163
Posted: Wed Sep 19 14:10:36 1990

In article <44939@apple.Apple.COM> winter@Apple.COM (Patty Winter) writes,
about aircraft registrations and callsigns sharing prefixes:
>So I await a definitive answer, also. Seems like it must be a "higher
>authority" than the ITU--or at least a joint agreement between the ITU
>and some other international organization(s).

I don't know if there's a formal agreement between the ITU and the
International Civil Aviation Organization, which assigns aircraft
prefixes. I suspect it's more along the lines of "if you don't have a
preference, we'll use the same one." There are some differences between
the two lists, most notably in the Communist world.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jay@splut.conmicro.com   (eieio)| adequately be explained by stupidity.
"I can't believe I really wrote   +--------------------------------------
this." - Henry Spencer, about awf, his nroff -ms subset written in awk

From -4550092162526706338
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8a942d0e5e82c06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-19 06:17:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!zaphod.mps.ohio-state.edu!lavaca.uh.edu!uhnix1!lobster!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)

Newsgroups: rec.ham-radio
Subject: Re: POSTING PROGRAMS TO THIS NET
Message-ID: <TV2.JF@splut.conmicro.com>
Date: 19 Sep 90 13:17:41 GMT
References: <9009111334.AA19069@ucsd.edu> <690@entec.Wichita.NCR.COM>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 13
Posted: Wed Sep 19 14:17:41 1990

In article <690@entec.Wichita.NCR.COM> kthompso@entec.UUCP (Ken Thompson) writes:
>Read my fingers Mark:

>Use your N key to go to the next article if you do not want to read this one.

That doesn't work for someone reading the Info-Hams mailing list postings.
Next?

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jay@splut.conmicro.com   (eieio)| adequately be explained by stupidity.
"I can't believe I really wrote   +--------------------------------------
this." - Henry Spencer, about awf, his nroff -ms subset written in awk

---

From 668006082118955121
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62aa93bcde0a29c4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-19 07:49:32 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!usc!apple!vsi1!daver!ditka!qiclab!al
From: al@qiclab.uucp (Al Peterman)
Newsgroups: rec.ham-radio
Subject: Re: Why Aviation Uses AM
Message-ID: <1990Sep19.144932.4990@qiclab.uucp>
Date: 19 Sep 90 14:49:32 GMT
References: <9009171231.AA01078@cmr.ncsl.nist.gov>
Organization: SCN Research/QIC Laboratories of Tigard Oregon
Lines: 31
Posted: Wed Sep 19 15:49:32 1990

A recent posting says:
> All of the above, even though true, overlooks one fact - AM works. There is
> no compelling need to change every aviation radio in the world.
>
> Agreed as to the first part. However, it is simply not true that AM is a
> world standard. It is a US standard. There are plenty of places in the
> world where FM is the standard for VHF aeronautical communications.
> --
> Rob Stampfli   / att.com!stampfli (uucp@work) / kd8wk@w8cqk (packet radio)

Well, I've worked as an avionics technician for about 4 years, including work on corporate jets that often fly internationally to Europe, Asia, Russia and South America. The standard for voice communication is VHF (118-150 Mhz) AM communications.. The only place FM is used on aircraft communications is on long range HF for ocean crossing and Flitephone. I'm not even sure the HF radios are FM...

While FM is a fine idea, at the present with "cheap" radios costing $3000 for general aviation planes, the cost of retrofitting to change would be way more than most owners would pay. BY the time the radios were installed and signed off, it would cost $6000-8000 per plane and the "old radios" would be worthless so there would be not trade-in to help defray the costs. Despite the view that all plane owners are "fat cats" most are just average joes, and many general aviation planes are worth less than $25,000 so this would be a very heavy burden. Of course we could demand retrofit of anticollision airbags to all cars!

```
--
Alan L. Peterman                                  (503)-684-1984 hm
                    Airborne N33291               Cessna Cardinal RG
                   Net    !tektronix!(psueaa,nosun,ogicse)!qiclab!al
```

From 3528696870003177396
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4faead3a84cf7720,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-19 08:15:34 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!apple!uokmax!engage
From: engage@uokmax.ecn.uoknor.edu (Eric Neal Gage)
Newsgroups: rec.ham-radio
Subject: Help Needed!! (all opinions wanted)
Keywords: Windpower, Photovoltaics
Message-ID: <1990Sep19.151534.5786@uokmax.uucp>
Date: 19 Sep 90 15:15:34 GMT
Sender: engage@uokmax.uucp (Eric Neal Gage)
Organization: Engineering Computer Network, University of Oklahoma, Norman, OK
Lines: 16
Posted: Wed Sep 19 16:15:34 1990

I am working on a project at the University of Oklahoma. I need input and this seems to be an efficient method to hear from people who know a little more about electronics than I do (I'm an ME). We are developing a portable, 100W remote power system that couples wind power and photovoltaics. If you can spare a few moments, please answer the following questions...

1. What can a 100W system be used for? (camping, military, etc.)
2. Would you recommend 12V or 24V system? Why?
3. What would you consider to be maximum allowable weight? Why?
4. Do you think there is a market for such a device?

Even if you aren't going to answer, thanks in advance for reading this far.

---
mail replies to: engage@uokmax.ecn.uoknor.edu

From -5218808105987044711
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93ccf95a2df583c3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,93ccf95a2df583c3,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-09-19 08:43:46 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: sci.electronics,rec.ham-radio
Subject: HP Spectrum Analyzer 8558B Part Question
Message-ID: <4574@qip.UUCP>
Date: 19 Sep 90 15:43:46 GMT
Reply-To: john@qip.UUCP (John Moore)
Followup-To: sci.electronics
Organization: Anasazi Inc, Phoenix AZ
Lines: 13
Xref: gmdzi sci.electronics:8787 rec.ham-radio:15089
Posted: Wed Sep 19 16:43:46 1990

I have an HP 8558B Spectrum Analyzer that has a blown first mixer diode.
Does anybody know which diodes would be suitable replacement. HP gets
big $$ for a replacement pair.

I believe the diodes are germanium because of their low (.34V) forward
junction voltage. They also have to be microwave, since the mixer
operates around 2GHz.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326 Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -8346622417284710144
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f442bd7c71f7df94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-19 08:45:20 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!jayk
From: jayk@hpfcso.HP.COM (Jay Kesterson)
Newsgroups: rec.ham-radio
Subject: Re: High-tension towers
Message-ID: <7500026@hpfcso.HP.COM>
Date: 19 Sep 90 15:45:20 GMT
References: <85934@aerospace.AERO.ORG>
Organization: Hewlett-Packard, Fort Collins, CO, USA

Lines: 22
Posted: Wed Sep 19 16:45:20 1990

Mike its a hard to say how bad the line noise will be at your QTH but thought I would pass along the experiences of a friend of mine.

My friend had high-tension lines directly behind his house. So close, in fact, that once when putting up a 65' vertical it came in contact with the lines (he was OK after several days in the hospital, but thats another story).
He later put up a 70' tower with several yagis. He did have a fairly bad line noise but was able to make contacts easily. He entered a number of contests and was able to finish the the top 10 on several occasions.
His line noise varied greatly from day to day, sometimes almost none, sometimes so much that most weaker signals were not readable. All in all, with a good antenna he was able to have a good time on the HF ham bands.

If you are planning to buy the radio, to run at least mobile anyway, it would be easy to put up a small inexpensive antenna (dipole) and see how bad the noise is before investing in a larger antenna.

Hope this helps,

Jay Kesterson K0GU
Hewlett Packard   Ft.Collins, CO

From -1451785627591390636
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b3589e1a6da13ac,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-19 08:49:18 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpl-opus!hpcc05!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: hand held xcvr vs airport security
Message-ID: <27080009@col.hp.com>
Date: 19 Sep 90 15:49:18 GMT
References: <3050@mrsvr.UUCP>
Organization: HP Colorado Springs Division
Lines: 12
Posted: Wed Sep 19 16:49:18 1990

I have owned an ICOM IC-2AT and currently an ICOM IC-32AT. I have always carried them on board in plain view without any trouble. I have had them x-rayed with no apparent problems, but normally, I simply hand it over for a visual inspection. Since the bombing in Scotland, many times they will ask that I power it up and unsquelch it to demonstrate that it is real.

Apparently, now with the proliferation of portable cell phones, the airlines are concerned with persons attempting to "make phone calls" during flights. I had one flight attendant ask if it was a cell phone. I assured her that it wasn't and that I had no intention of operating it during flight. That seemed to calm her down.

```
From -7434824115963342330
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6f9b9c960508596
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-19 09:09:32 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!hplabs!hpfcso!jayk
From: jayk@hpfcso.HP.COM (Jay Kesterson)
Newsgroups: rec.ham-radio
Subject: Re: Try Shunt Feeding your Tower!?
Message-ID: <7500027@hpfcso.HP.COM>
Date: 19 Sep 90 16:09:32 GMT
References: <900918-134906-1557@Xerox>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 5
Posted: Wed Sep 19 17:09:32 1990
```

I also had the problem with the rotor box indicator going crazy. I had to put some bypass capacitors on the rotor control box terminals to ground to solve that problem.

Jay Kesterson K0GU

```
From -1971632825972589695
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8a942d0e5e82c06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-19 10:37:13 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: POSTING PROGRAMS TO THIS NET
Message-ID: <9009191738.AA29900@ucsd.edu>
Date: 19 Sep 90 17:37:13 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6
Posted: Wed Sep 19 18:37:13 1990
```

Open your head a little bit, Ken. Some people read what you apparently see
as rec.ham-radio as mail from info-hams, a digest (a number of
messages sent as a single mail message to save network resources) and
don't have undigestification software available.
There's more to the world than you know, apparently.
73, doug

```
From -2701228918290161580
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b3589e1a6da13ac
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-19 10:39:55 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sol.ctr.columbia.edu!samsung!cs.utexas.edu!asuvax!ncar!umigw!rsmas!eakin
From: eakin@rsmas.miami.edu
Newsgroups: rec.ham-radio
Subject: Re: hand held xcvr vs airport security
Message-ID: <9529.26f7752c@rsmas.miami.edu>
Date: 19 Sep 90 17:39:55 GMT
References: <3050@mrsvr.UUCP>
Distribution: usa,world
Lines: 19
Posted: Wed Sep 19 18:39:55 1990

In article <3050@mrsvr.UUCP>, sdk@sol.med.ge.com (steve) writes:

I've travelled with HT's domestically & internationslly with no problems. I generally let them X-ray it (as well as HF rigs that I've carried on), with no ill effects. As a matter of fact, what problems do you forsee encountering if they are x-rayed?

I have had to turn it on & crack the squelch before, but sometimes it has actually made it easier to go into some concourses that I would probably not been allowed in. When meeting someone at the airport, I usually just unclip it from my belt & toss it directly on the X-ray belt. No problems so far.

73 de Mark

--
C. Mark Eakin
Internet: Eakin@RSMAS.miami.edu
Amateur Radio: N4SYK   Packet Radio: N4SYK@AB4LU.FL.USA.NA
USnail: Univ. of Miami, RSMAS-BLR, 4600 Rickenbacker Cswy. Miami, FL 33149-1098

From -7255435868746659947
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-19 10:55:33 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pt.cs.cmu.edu!dsl.pitt.edu!pitt!speedy.cs.pitt.edu!hoffman
From: hoffman@speedy.cs.pitt.edu (Bob Hoffman)
Newsgroups: rec.ham-radio
Subject: Re: Heatkit to be sold?
Message-ID: <8645@pitt.UUCP>
Date: 19 Sep 90 17:55:33 GMT
References: <122.26E9904B@w8grt.fidonet.org> <8112@helios.TAMU.EDU> <233@bongo.UUCP> <8185@helios.TAMU.EDU>
Sender: news@pitt.UUCP
Reply-To: hoffman@speedy.cs.pitt.edu (Bob Hoffman)

Organization: Univ. of Pittsburgh Computer Science
Lines: 19
Posted: Wed Sep 19 18:55:33 1990

Julian Macassey gave a very nice explanation of the reasons for the decline in kit popularity.

Bill Gunshannon then asks:

>I am not saying HEATH should have been cheaper cause it was a kit.
>
>I am asking why it costs MORE than a comparable piece of equipment
>designed and built buy the same off-shore companies.

I suspect that the extra cost is due to 1) the time it takes to package and check all of those little bags of parts and 2) the time and effort that goes into writing an assembly manual that anyone can understand.

---Bob.

```
--
Bob Hoffman, N3CVL       {allegra, bellcore, cadre, idis, psuvax1}!pitt!hoffman
Pitt Computer Science    hoffman@cs.pitt.edu    FAX: +1 412 624 8854
```

From 2165387943762536707
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae8dc54feb722c6a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-19 11:06:04 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: Re: "Long Distance" CPO (Code Practice Oscillator)
Message-ID: <18230037@hpfcdj.HP.COM>
Date: 19 Sep 90 18:06:04 GMT
References: <9009040058.AA06400@tilde>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 20
Posted: Wed Sep 19 19:06:04 1990

>Pull string taut and presto! Wireless, no-power voice transmission!

Well, it may be wireless, but it isn't "no-power"; I've used examples of this system, and it's been my experience that the transmitters at either end must be periodically fueled to keep it running. A cheeseburger was the fuel of choice, with a chocolate shake or a Coke for lubrication.

(There also seemed to be a need to periodically take the transmitters off-line, apparently to drain used lubricants. The transmissions would become increasingly garbled and unreliable if this were not done.)

Oh, yeah: :-) :-) :-)

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
myers@fc.hp.com                          |  sentient life-form on this planet.
```

```
From 5678164670703988059
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,53b660ea7d8dc770,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-19 11:47:01 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!ucsd!
ucbvax!EMUNIX.EMICH.EDU!rabbani
From: rabbani@EMUNIX.EMICH.EDU (Daniel Rabbani)
Newsgroups: rec.ham-radio
Subject: Ham radio license...
Message-ID: <9009191847.AA10456@emunix.emich.edu>
Date: 19 Sep 90 18:47:01 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Lines: 21
Posted: Wed Sep 19 19:47:01 1990
```

Hello,

Since our university library being kind of hopeless, I am wondering wether someone in the net-land can answer this question for me.
Are there any kind of restriction on non-immigrants (I am here in the States on a student visa) applying for a ham radio license?

Thanks a lot.

--Daniel

```
 E-Mail: rabbani@emunix.emich.edu
 or geo_sa372476@emunix.emich.edu
 or his_st372476@emunix.emich.edu
 or       ai_emu@emunix.emich.edu
```

======

```
From -6561007636562453730
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,53b660ea7d8dc770
```

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-19 12:08:51 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!hercules!sparkyfs!
usasoc.soc.mil!aero!obrien
From: obrien@aero.aero.org (Michael O'Brien)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio license...
Message-ID: <86085@aerospace.AERO.ORG>
Date: 19 Sep 90 19:08:51 GMT
References: <9009191847.AA10456@emunix.emich.edu>
Sender: news@aerospace.aero.org
Reply-To: obrien@aero.aero.org (Michael O'Brien)
Organization: The Aerospace Corporation
Lines: 15
Posted: Wed Sep 19 20:08:51 1990

In article <9009191847.AA10456@emunix.emich.edu>,
rabbani@EMUNIX.EMICH.EDU (Daniel Rabbani) writes:

|>   Are there any kind of restriction on non-immigrants (I
|>   am here in the States on a student visa) applying for
|>   a ham radio license?

According to the FCC Rule Book, anybody can apply for a U.S. radio amateur license, citizen or not. The only exception is for "representatives of a foreign government". As long as you aren't attached to an embassy or a consular staff you should be OK.

--
Mike O'Brien
obrien@aerospace.aero.org

From -2796975514020613766
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a0b4df795b10199
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-19 12:37:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
cs.utexas.edu!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Antennas
Summary: novice antenna
Message-ID: <247@ssc.UUCP>
Date: 19 Sep 90 19:37:50 GMT
References: <22480016@hpcuha.HP.COM>
Organization: very little
Lines: 38
Posted: Wed Sep 19 20:37:50 1990

In article <22480016@hpcuha.HP.COM>, jimallen@hpcuha.HP.COM (Jim Allen) writes:

> I would like to get an antenna system

> that would enable me to use my Novice
> frequency privileges to the fullest
> extent.
>
> My limitations are that the maximum
> length of dipole would be about 70 ft.
> Large non-dipoles are out as well as
> a lot of different dipoles (multiple).
> This is due to my location.
>
> Is there a small non-dipole or a 70 ft.
> dipole that could fit the bill?

Consider a dipole center fed with open wire or twinlead. Then use an antenna tuner with a BALANCED output to tune it. You could make the wire 1/2 wave on 40 meters (about 65 and a half feet), or you could make it non-resonant and just extend it to the full 70 feet, and possibly it will tune to 80 mtrs as well.   If it doesn't tune to 80, you can take the feeders and short them together, fed from the unbalanced tuner output. This will operate as a Tee, or a vertical wire with top loading.

If you use balanced feeders (like the popular 450 ohm ladder line) you should be able to tune it on all of the Novice bands. This is the classic multiband Zepp antenna, and you wont need any fancy traps or multiple wires. On 10 meters it will be somewhat directional.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -5627872615429527143
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2518881667ad941,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-19 13:12:21 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!ub!uhura.cc.rochester.edu!rochester!kodak!eastman!b56vxg.dnet@kodak.com!harding
From: harding%b56vxg.dnet@kodak.com (JON HARDING)
Newsgroups: rec.ham-radio
Subject: Dipole antenna design
Message-ID: <1366@eastman.UUCP>
Date: 19 Sep 90 20:12:21 GMT
Sender: news@eastman.UUCP
Reply-To: harding%b56vxg.dnet@kodak.com
Organization: Eastman Kodak Company, Rochester NY, USA

Lines: 21
Posted: Wed Sep 19 21:12:21 1990
News-Software: VAX/VMS VNEWS 1.3-4

I am a new Ham and am getting my feet wet in the VHF and UHF sandbox. I have converted a TV rabbit ear to a 2m dipole which seems to work fairly well. (Anything is better than the ducky which comes on the IC-24AT.) So now I want to build a 70cm dipole and thought the same approach would work. But I have some questions which were not answered by the HANDBOOK.

1) I have been told that the overall length of the antenna should be the half-wave length, yes?
2) At what point does the o.d. of the antenna elements become significant WRT frequency?
2) What is the relationship of the distance between the feedpoints to anything.
4) I read somewhere that the 70cm antenna has a much smaller signal collection area, so a dipole isn't a good idea. That a multi-element beam is better simply from the standpoint of "collection area".

Thanks for any help you you can offer.

```
N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J
|    Jon Harding, N2KZJ * I don't represent KODAK by word or deed. *  |
|    716-477-5944                                    |
N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J
```

From 3476689704154515764
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b3589e1a6da13ac
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-19 13:30:29 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!rpi!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: hand held xcvr vs airport security
Message-ID: <12025@crdgw1.crd.ge.com>
Date: 19 Sep 90 20:30:29 GMT
References: <3050@mrsvr.UUCP> <9529.26f7752c@rsmas.miami.edu>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Distribution: usa,world
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 25
Posted: Wed Sep 19 21:30:29 1990
In-reply-to: eakin@rsmas.miami.edu

In article <9529.26f7752c@rsmas.miami.edu>, eakin@rsmas writes:
>In article <3050@mrsvr.UUCP>, sdk@sol.med.ge.com (steve) writes:
>
>I've travelled with HT's domestically & internationslly with no problems. I
>generally let them X-ray it (as well as HF rigs that I've carried on), with no
>ill effects. As a matter of fact, what problems do you forsee encountering if

>they are x-rayed?

X-rays can cause crystal defects in IC's. All things being equal, the
denser the circuit, the more prone they are to damage. As far as I
know, the effects are cumulative, so the upteenth exposure is more
likely to cause failure than the first. Arguments from the attendent
that the dose is near zero don't wash as long as they have the warning
sign to keep your hands out of the machine

For me, calculators*, electronically controlled cameras, etc are strictly
hand search or lead bag.

*The calculator part is left over from college days when my calculator
represented a huge investment. Now it wouldn't hurt me so much if one
died.. the risk is there, but the loss is less.

-don perley - ke2tp
perley@trub.crd.ge.com

From 2975534147056258126
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-19 14:20:15 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!jws
From: jws@hpfcso.HP.COM (John Schmidt)
Newsgroups: rec.ham-radio
Subject: Re: *NEW*??? Novice 80 meter band?!?!? (was Re: Novice operating in old..)
Message-ID: <7500028@hpfcso.HP.COM>
Date: 19 Sep 90 21:20:15 GMT
References: <1391@necis.UUCP>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 3
Posted: Wed Sep 19 22:20:15 1990

This change is only a PROPOSAL at this time. Don't change your exams yet!

John Schmidt, NK0R, ARRL/VE

From -9199793878659049756
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8a942d0e5e82c06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-19 14:28:38 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!decwrl!elroy.jpl.nasa.gov!jpl-devvax!jenkins
From: jenkins@jpl-devvax.JPL.NASA.GOV (Steve Jenkins)
Newsgroups: rec.ham-radio

```
Subject: Re: POSTING PROGRAMS TO THIS NET
Summary: if you don't have an 'n' key, get one
Message-ID: <9574@jpl-devvax.JPL.NASA.GOV>
Date: 19 Sep 90 21:28:38 GMT
References: <9009191738.AA29900@ucsd.edu>
Reply-To: jenkins@jpl-devvax.JPL.NASA.GOV (Steve Jenkins)
Organization: Jet Propulsion Laboratory, Pasadena, CA
Lines: 15
Posted: Wed Sep 19 22:28:38 1990

In article <9009191738.AA29900@ucsd.edu> faunt@CISCO.COM (Doug Faunt N6TQS
415-688-8269) writes:
>Open your head a little bit, Ken.  Some people read what you apparently see
>as rec.ham-radio as mail from info-hams, a digest (a number of
>messages sent as a single mail message to save network resources) and
>don't have undigestification software available.
>There's more to the world than you know, apparently.

If they've got brain-dead software, that's their problem.  The last
thing we need is enforced compliance with the lowest common denominator.

Undigestification (now *that's* a word) is just not that hard.

--
Steve Jenkins N6UNI              jenkins@jpl-devvax.jpl.nasa.gov
Caltech/Jet Propulsion Laboratory    (818) 354-0162


From -1894835410447262148
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1ba945fa99b861e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-19 14:57:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Why is aviation radio AM?
Message-ID: <30500740@ux1.cso.uiuc.edu>
Date: 19 Sep 90 21:57:00 GMT
References: <26@<144>
Lines: 50
Nf-ID: #R:<144:26:ux1.cso.uiuc.edu:30500740:000:2535
Nf-From: ux1.cso.uiuc.edu!phil    Sep 19 16:57:00 1990
Posted: Wed Sep 19 22:57:00 1990


> In article <30500736@ux1.cso.uiuc.edu>, phil@ux1 writes:
> >we were to use these modes (H3E is AM with one sideband gone, R3E is H3E
> >with the carrier reduced requiring a syncronous detector).
> >
> >I guess that's what they stole 220-222 MHz for (narrowband use) but it seems
> >that they have failed in making it work (UPS wants to use narrow packet, not
```

> >ACSSB and voice).
>
> With companded SSB, the pilot signal isn't a reduced carier, but a tone.
> (not at the "zero beat" frequency).

You can compandor the signal in any modulation mode. They chose to do it with SSB to help overcome the problems if interference. By having the variations in level be logarithmic instead of linear, the linear form of interference will be reduced upon uncompandoring.

Compandoring needs some sort of reference signal to set the levels to match the received strength. The pilot tone can do this better than the carrier since it can be set further from the audio, making separation easier and allow for poorer frequency tolerance. Now that you have a pilot tone, it can also server as the "clarifier" reference, and so the carrier is no longer needed. "ACSB" is the tradename owned by Aerotron, Inc., for their version of ACSSB that includes the pilot tone around 3.7 kHz. This is the narrowband mode they proposed to the FCC.

ACSSB and ACSB are NOT an R3E or H3E mode, but are really forms of J3E since the carrier is totally absent.

> According to one of our local experts, it works well for point to
> point. With mobile, you can get signal phase reversals from the
> constantly changing multipath and your audio just goes "splat" (his
> term) whereas with FM you would just get a click.

It can drive the compandoring nuts, I guess, since there would be some delay. Also the "auto clarifier" or "frequency lock" could get upset, especially at phase crossover.

I would like to encourage amateur experimentation with R3E and H3E.
There might be places it is useful. If there are any, shouldn't WE
be the ones to find it?

I would also like to see SW broadcasters make use of H3E on 5 kHz spacing. They could get a lot more stations in the bands they have with less mutual interference. If they settle on a particular sideband (such as upper) then a lot of the interference problems can be eliminated, such as overlapping sidebands from some of the exist 5 kHz spacings.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -419116822566387192
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3fa6e4ff4fe859f2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-19 15:49:15 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpspdra!henryb
From: henryb@hpspdra.HP.COM (Henry Black)

Newsgroups: rec.ham-radio
Subject: What's on 144.383 ?
Message-ID: <12280017@hpspdra.HP.COM>
Date: 19 Sep 90 22:49:15 GMT
Organization: HP Stanford Park - Palo Alto, CA
Lines: 6
Posted: Wed Sep 19 23:49:15 1990

The title pretty much says it.. What is on 144.383, whatever it is it's pretty strong in the SF bay area. I hear it on two very different rigs in locations 40 miles apart. Sounds like some kind of telemetry.
Anyone know?

Henry Black G4NOC, KK6JR +1 415 857 6655 henryb@hpspd.HP.COM

From -1568930836011245516
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2665921319b9b661
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-19 16:11:07 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Query About Electret Microphone Operation
Message-ID: <1335@ke4zv.UUCP>
Date: 19 Sep 90 23:11:07 GMT
References: <9009181958.AA01955@ucsd.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 73
Posted: Thu Sep 20 00:11:07 1990

In article <9009181958.AA01955@ucsd.edu> nix%muppet.decnet@CONSRT.ROK.COM ("MUPPET::NIX") writes:

>I'd like to hear from anyone who has some experience with the working
>of the `electret' type microphone. I've built an adaptor, to allow me
>to use the headset from my 2 meter FM hand-held with my Tentec Paragon
>HF transceiver, and am having some difficulties with high distortion.
>
>The Paragon (since Tentec sells electret microphones) has a low-level
>(about +8.4 VDC through 680 ohms) voltage available on one of the pins
>in the microphone connector. In a `universal' (small universe) adaptor
>box that I've built, I'm providing a portion of that voltage to the
>headset's connector, with a DC blocking capacitor in the audio output.
>
>A long time ago (but not so far away) I can remember reading some of
>the early `this is how they work' articles regarding electret microphone
>elements. `Back then' (as I remember), the early electrets were basic-
>ally a charged film suspended between two `screens'. A sound wave caused
>the film to vibrate and, since it was electrostatically charged, the
>mechanically vibrating film induced an AC voltage across the `screens'.
>

>Rather more recently (the last few months I think) I saw something
>on electret type microphones, and I believe (can't quite remember enough
>of the article to be sure) that the inferance was that current electret
>microphone elements incorporate a pre-amp within the housing of the
>microphone.
>
>If electrets do now incorporate internal pre-amps, then my problem is
>most likely that I've just dropped the DC voltage too low, and all that
>needs to be done, to cure the high distortion, is to reduce (perhaps
>eliminate) the series voltage dropping resistance, so that the electret's
>internal amplifier is operating in its linear region.
>
>I was cutting back (using series resistance) on the voltage, to try
>and set the electret's audio level to be comparable to that of my normal
>station microphone (so I wouldn't have to fiddle with the microphone gain
>on the radio). If the electret is a simple `charged-film' type device,
>then dropping the `polarizing voltage' should work to reduce the audio
>output. If there's an active amplifier within the microphone itself, then
>obvously dropping the impressed DC voltage across the element is not the
>way to reduce the audio output level, and an attenuator (isolated from
>the DC supply voltage) is called-for.
>
>Typing this now, it seems reasonable that a simple `film-type' electret
>element would show very high output impedance, and therefore the higher
>than expected (compared to my regular microphone) audio levels are a
>strong indication that there is some internal amplification being
>provided within the electret housing.
>
>Last night (Well OK, it in the wee-hours this morning), after several
>hours of checking-and-rechecking the wiring in my `universal mic adaptor'
>box, it was not nearly so obvious what was probably going on.
>
>The interface box serves to provide for 4 different types of microphone
>connectors, and also as a switch, to allow me to select either a micro-
>phone, or my PK-232, as the audio input to the radio. So, even though
>audio interfacing to an HF radio is pretty straightforward, there can
>get to be a fair number of wires going all over the place. Putting it
>all into a small diecast aluminum box, and working too many hours, can
>result in a situation where `obvious' things are not ....
>
>Thoughts & comments would be appreciated.
>
>Paul Nix (WB5AGF)   InterNet: nix%muppet.decnet@consrt.rok.com

Electrets are indeed very high impedance and are coupled with a FET used
primarily as a impedance transformer (source follower). Some electret
microphones then follow the FET with a preamp, some don't. I know that
the Icom and Yaesu headsets DO use a preamp following the FET. The preamp
is located in the push to talk box while the FET is physically mounted
with the electret element. There is a gain control on the preamp accessable
through a small hole in the switchbox. Running the preamp at reduced
voltage will indeed cause lots of distortion.

Gary KE4ZV

From -1456759671008263591
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b69bb540bf8a1f22
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-19 18:25:21 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!sdd.hp.com!caen!kuhub.cc.ukans.edu!baxter
From: baxter@kuhub.cc.ukans.edu
Newsgroups: rec.ham-radio
Subject: Re: Alinco mobile 2m rig
Message-ID: <25685.26f7d431@kuhub.cc.ukans.edu>
Date: 20 Sep 90 01:25:21 GMT
References: <127478@pyramid.pyramid.com>
Organization: University of Kansas Academic Computing Services
Lines: 22
Posted: Thu Sep 20 02:25:21 1990

In article <127478@pyramid.pyramid.com>, andrem@pyrman2.pyramid.com (Andre Molyneux) writes:
> Has anyone heard anything, good or bad, about the Alinco 2m mobile rig? I
> forgot it's model number. I believe it has 45 watts and extended receive
> coverage. My one previous experience with Alinco (I bought one of their
> original 2m ht's) left a little to be desired. This mobile rig looks to
> be a good buy if the quality is reasonable.
>
> Any comments would be appreciated.
>

I owned one of the DR-110T's, and my only complaint was getting some intermod
on several of the 2-meter frequencies when I was in high RF areas. However,
this is a common occurrance with the broadbanded front ends that most of
these modifiable receivers have.

I currently have their dual bander DR-510T. It is a great radio! The DR-510
like the 2-meter model can cover the 350-370 and 850-890 (I think that's right)
band, so if you have trunked 800 mhz services in your area, you're able
to receive these stations.

I can honestly give my DR-510T an A+ for operation, and I'll be buying
more Alinco products as their customer service appears to be very
oriented towards helping people.

From -796408665217114957
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2665921319b9b661
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-19 22:42:02 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio

Subject: Re: Query About Electret Microphone Operation
Message-ID: <243@bongo.UUCP>
Date: 20 Sep 90 05:42:02 GMT
References: <9009181958.AA01955@ucsd.edu>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 57
Posted: Thu Sep 20 06:42:02 1990

In article <9009181958.AA01955@ucsd.edu>, nix%muppet.decnet@CONSRT.ROK.COM ("MUPPET::NIX") writes:

> I'd like to hear from anyone who has some experience with the working of the `electret' type microphone.

I've designed them into telephone circuits, and used them with radios. They are not my favourites for communications for several reasons: They are very sensitive to RF. They are Hi-Fi - cover lows and highs - not good for comms, especially in a noisy environment. They have no "threshold", unlike carbon mics, they will pick up noise a room away.

They have the following in their favour: They are cheap - $00.30 in quantity, carbons and dynamics cost about a dollar or more. They are small and light.

>
> The Paragon (since Tentec sells electret microphones) has a low-level (about +8.4 VDC through 680 ohms) voltage available on one of the pins in the microphone connector.

As I recall, depending on the model, Electrets want between 1.2 and 4.5 Volts MAX. They are polarity sensitive and just a sniff of voltage is all you need. Plantronics headsets, which use an electret, as I recall work fine with 3V though anything from 1.5 to 15 seems OK.

> Rather more recently (the last few months I think) I saw something on electret type microphones, and I believe (can't quite remember enough of the article to be sure) that the inferance was that current electret microphone elements incorporate a pre-amp within the housing of the microphone.

Yes, they all do as I recall. Also as I recall Panasonic seems to make most of them. There are 2 wire and 3 wire versions. The 3 wire are nifty cos you can use a seperate battery to power the mic and run the mic leads straight with no DC blocking etc. Rat Shack used to carry these mics somewhat over priced. You can salvage them from dead cassette recorders and answering machines, let alone dead $10.00 junk phones.

>
> If electrets do now incorporate internal pre-amps, then my problem is most likely that I've just dropped the DC voltage too low, and all that needs to be done, to cure the high distortion, is to reduce (perhaps eliminate) the series voltage dropping resistance, so that the electret's

> internal amplifier is operating in its linear region.

I would say the voltage is too high and the electret output may be overdriving your mic preamp. Plus, don't forget to RF proof that mic. Bypass at the element with a 1 Nf cap and try ferrites and chokes on the leads.

Isn't playing with audio fun, you can hear how you are doing - instant feedback.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From 6595549121832505189
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,53b660ea7d8dc770
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-19 22:51:41 PST
Path: gmdzi!unido!mcsun!uunet!husc6!yale!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio license...
Message-ID: <244@bongo.UUCP>
Date: 20 Sep 90 05:51:41 GMT
References: <9009191847.AA10456@emunix.emich.edu>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 36
Posted: Thu Sep 20 06:51:41 1990

In article <9009191847.AA10456@emunix.emich.edu>, rabbani@EMUNIX.EMICH.EDU (Daniel Rabbani) writes:

> Since our university library being kind of hopeless, I
> am wondering wether someone in the net-land can answer
> this question for me.

Maybe the University ham club should be able to answer this. They should have the info.

> Are there any kind of restriction on non-immigrants (I
> am here in the States on a student visa) applying for
> a ham radio license?

I suppose next to "Can I take my walkie-talkie on a commercial flight?" this is the next most often asked question. As the resident wetback I can answer:

Simply put, if you are not an agent for a foreign government and can produce a real photo ID (Passport, Drivers Licence, Student

ID etc) you can take the exam. You don't even have to be in the US or have a US address to take the exam. So if there are any volunteer examiners amongst US troops in Saudi Arabia, they could administer exams for the locals so they could get US call signs. They may not be able to get Saudi Call signs and US citizens may not be able to get Saudi licences, but that is life and bureaucracy. It is also why I like the US so much. Civil servants in the US are here to help you not thwart you as they seem to want to do in the rest of the world.

Take the exam, get the licence, have a hobby for the rest of your life.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

```
From -8571696010165439963
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,475164e141dc78c4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 04:09:48 PST
Path: gmdzi!unido!mcsun!uunet!husc6!rutgers!tut.cis.ohio-state.edu!ucbvax!
CMS.CC.WAYNE.EDU!MEDELMA
From: MEDELMA@CMS.CC.WAYNE.EDU (Michael Edelman ke8yy)
Newsgroups: rec.ham-radio
Subject: Electret microphones (re: WB5AFG)
Message-ID: <9009191148.AA13240@ucsd.edu>
Date: 19 Sep 90 11:41:09 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Wed Sep 19 12:41:09 1990
```

In reply to Paul, yes, electret capsules of the type sold at Radio Shack and elsewhere have a built-in FET preamp- sort of a solid state cathode follower. I've seen two types: One has two wires, and requires DC to be supplied on the signal lead, with a blocking capacitor between that lead and the output. The other type has three wires, and appears to have a built in blocking cap.

I've used these capsules in many rigs, from my long-gone DX-Handy to various HTs. But let me suggest that the *optimum* microphone for your Ten-Tec is not an electret- though Ten-Tec sells them- but a good ol' Astatic D-104. I've never had such good audio reports as when I use this combination.

mike edelman ke8yy   medelma@cms.cc.wayne.edu
medelma@waynest1

```
From 4088808807164073699
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,22fcb9fa132e61ce,start
```

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 04:32:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!usc!cs.utexas.edu!
tut.cis.ohio-state.edu!ucbvax!CMS.CC.WAYNE.EDU!MEDELMA
From: MEDELMA@CMS.CC.WAYNE.EDU (Michael Edelman ke8yy)
Newsgroups: rec.ham-radio
Subject: DIgitrex, Argonaut...
Message-ID: <9009191201.AA13653@ucsd.edu>
Date: 19 Sep 90 11:55:20 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18
Posted: Wed Sep 19 12:55:20 1990

Some time ago I promised this group a review of the DIgitrex all-HF QRP rig when it finally arrived. Well, after numerous delays for parts availability, problem fixes and so on, I finally cancelled my order about 10 months after I placed it. They are supposedly shipping now, and a friend still has one on order, so I'll still try to post his comments if and when his arrives.

In the meantime I found a used Ten-Tec Argonaut - an early one, judging from the SN- that I've been having a bit of fun with. 2 watts output on 80-10 SSB is a bit of a challenge. I've been playing with microphones in an attempt to get better audio, but the best I can get is "you sound like you're holding your nose under water". Anyone have experience playing with these? My next step is to wire up one of my D-104s, but this seems a bit large for what is intended to be (for me) a battery-portable rig.

mike edelman ke8yy
medelma@cms.cc.wayne.edu
medelma@waynest1.edu

From 8283055191166018954
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a0b4df795b10199
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 04:59:00 PST
Path: gmdzi!unido!mcsun!uunet!know!samsung!sdd.hp.com!hplabs!hpda!hpwala!hpnjld!
eyg
From: eyg@hpnjld.HP.COM (Ed Gilbert)
Newsgroups: rec.ham-radio
Subject: Re: Antennas
Message-ID: <4140020@hpnjld.HP.COM>
Date: 20 Sep 90 11:59:00 GMT
References: <22480016@hpcuha.HP.COM>
Organization: Hewlett Packard NJD, Rockaway NJ
Lines: 23
Posted: Thu Sep 20 12:59:00 1990

>Is there a small non-dipole or a 70 ft.
>dipole that could fit the bill?

One of the best all-band antennas is the center-fed zepp. It's a dipole fed with open wire feedline, and matched to the rig through an antenna tuner. I use one that is about 120' long, and it works very well on 160 through 10 meters. If you can make it 70' long, it should work well from 80 through 10. There is very little loss in this type of antenna system if you use good feedline. I have found that the commercial 450 ohm stuff is usually adequate. For me it worked fine on 80 through 10, but was quite lossy on 160 due to the extremely high reactive current in the feedline on that band. The commercial 450 ohm feedlines use #18 copperweld conductors, which wasn't adequate for the high currents I get on 160. I made my own feedline out of #12 wire, using 6" lexan dowels for spacers, and improved my signal on 160 about 3 - 4 db, but no perceptable difference on the other bands (I made field strength checks with a local ham before/after).

I have used this type of antenna at many different locations and have always had predictably good results with it.

wa2srq

From -1540901959880093473
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f442bd7c71f7df94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 05:11:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpda!hpwala!hpnjld!eyg
From: eyg@hpnjld.HP.COM (Ed Gilbert)
Newsgroups: rec.ham-radio
Subject: Re: High-tension towers
Message-ID: <4140021@hpnjld.HP.COM>
Date: 20 Sep 90 12:11:00 GMT
References: <85934@aerospace.AERO.ORG>
Organization: Hewlett Packard NJD, Rockaway NJ
Lines: 8
Posted: Thu Sep 20 13:11:00 1990

I have found that the local power company is very responsive to complaints about arcing and power line noise. If you can demonstrate the noise in an AM radio and show them approximately where it is coming from, they always make an effort to find and fix the problem.

Ed Gilbert, wa2srq
Hewlett-Packard Co, Rockaway, NJ

From 2611429792208124716
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2a653d9e4a515393,start

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 05:29:12 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!agate!ucbvax!
tincan.sawyer.af.mil!scxc3
From: scxc3@tincan.sawyer.af.mil (Michael A. Barnes)
Newsgroups: rec.ham-radio
Subject: Using HTs in Airports
Message-ID: <9009191335.AA11080@tincan.sawyer.af.mil>
Date: 19 Sep 90 13:35:27 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 37
Posted: Wed Sep 19 14:35:27 1990
```

I have travelled quite a bit carrying my HT in my briefcase. I have flown on both military and commercial flights. The only request I have had was from MAC Medevac flights to remove the battery pack from the radio. I have had both my Icom IC-2AT and Kenwood TR-2600 X-rayed dozens of times at airports, with no ill effectsathat I can determine. (It has never bothered my film either). I have even sat in the waiting areas and chatted on local repeaters whaile waiting for my plane. I have been through Atlanta, Portland, Memphis, Mobile, New Orleans, Denver, Seattle, Dallas-Ft Worth, Minn-St Paul, Tampa, Orlando, and numerous other airports. I have demonstrated the radios several times, but only as a curiosity factor, never because there was a concern over the equipment. I also have never been told I could not operate the radio on the aircraft, but then again, I didn't ask or try. (Please let's not start up again about using radios on airplanes.)

My travelling has slowed down the past year or so, so there may be some increased paranoia at locations I haven't been to lately. Your mileage may vary. Maybe I have just been lucky over the years and haven't gotten a hard case security type.

At any rate, I would continue to carry my HT in my carry on stuff and use the appropriate discretion in using it.

73,
Michael

```
--
*****************************************************************************
* Michael A. Barnes                       *   Have a nice AFCC day, eh?
* Internet: LWRCLMR@SACEMNET.AF.MIL      *
* SawyerNet: SCXC3@TINCAN.SAWYER.AF.MIL  *
* HamNet: WA7SKG@N8IYB.MI.USA.NA         *   All standard disclaimers
* Bell Net: 906-346-2811                 *   apply.
* DSNet: 472-2811                        *
* SnailNet: 410 BMW/SCX                  *
*           K.I. Sawyer AFB, MI          *
*                49843-6346              *
*****************************************************************************
```

```
From 940977438230980892
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,869efd2ae8a856f2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 06:24:41 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!UCBEH.SAN.UC.EDU!MORRISTA%UCMCIC
From: MORRISTA%UCMCIC@UCBEH.SAN.UC.EDU
Newsgroups: rec.ham-radio
Subject: Re: Airport security
Message-ID: <CF1D213FD8A02052F9@UCBEH.SAN.UC.EDU>
Date: 19 Sep 90 14:49:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Wed Sep 19 15:49:00 1990

I was a little rattled when I flew from Cincy to National/DC and back with
my HT in my briefcase (it got x-rayed, I don't mind):  I put the case on the
belt and said, "I've got a radio in it," and they DIDN'T ask to see it work.
Personally, I'd rather that flights going to our nation's capital be a LITTLE
better inspected...(-: or )-:, I'm not sure!

Ted WB8VNV (MORRISTA@UCMCIC.OA.UC.EDU)


From -494160957417201934
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1ba945fa99b861e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 06:30:50 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!rpi!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: Why is aviation radio AM?
Message-ID: <12006@crdgw1.crd.ge.com>
Date: 19 Sep 90 13:52:12 GMT
References: <26@<144> <30500736@ux1.cso.uiuc.edu>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 19
Posted: Wed Sep 19 14:52:12 1990
In-reply-to: phil@ux1.cso.uiuc.edu


In article <30500736@ux1.cso.uiuc.edu>, phil@ux1 writes:
>we were to use these modes (H3E is AM with one sideband gone, R3E is H3E
>with the carrier reduced requiring a syncronous detector).
>
>I guess that's what they stole 220-222 MHz for (narrowband use) but it seems
>that they have failed in making it work (UPS wants to use narrow packet, not
>ACSSB and voice).
```

With companded SSB, the pilot signal isn't a reduced carier, but a tone.
(not at the "zero beat" frequency).

According to one of our local experts, it works well for point to point. With mobile, you can get signal phase reversals from the constantly changing multipath and your audio just goes "splat" (his term) whereas with FM you would just get a click.

-don perley - ke2tp
perley@trub.crd.ge.com

From 5561755777909487898
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b3589e1a6da13ac
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 07:09:44 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!usc!apple!agate!linus!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Re: hand held xcvr vs airport security
Message-ID: <108543@philabs.Philips.Com>
Date: 20 Sep 90 14:09:44 GMT
References: <3050@mrsvr.UUCP> <9529.26f7752c@rsmas.miami.edu> <12025@crdgw1.crd.ge.com>
Sender: news@philabs.Philips.Com
Reply-To: rfc@briar.philips.com.UUCP (Robert Casey)
Distribution: usa,world
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 9
Posted: Thu Sep 20 15:09:44 1990

In article <12025@crdgw1.crd.ge.com> perley@galaxy (Donald P Perley) writes:
>X-rays can cause crystal defects in IC's.

X-rays can also erase EPROMs. Which may be used in the uProcessor that figures out what the radio is to do when you press on the various buttons.
If I remember right, nowadays EPROMs are cheaper than permanent ROMs, and I've seen versions of EPROMs without the erase window.

73 de WA2ISE

From 19910804954659913
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62aa93bcde0a29c4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 07:41:04 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!usc!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio

Subject: Re: Why Aviation Uses AM
Message-ID: <245@bongo.UUCP>
Date: 20 Sep 90 14:41:04 GMT
References: <9009171231.AA01078@cmr.ncsl.nist.gov> <2273@gould.doc.ic.ac.uk>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 21
Posted: Thu Sep 20 15:41:04 1990

In article <2273@gould.doc.ic.ac.uk>, g7ahn@compulink.co.uk (Costas Krallis G7AHN) writes:
> In article <9009171231.AA01078@cmr.ncsl.nist.gov> rc@CMR.NCSL.NIST.GOV
> (Robert Carpenter) writes:
>
> It is widely used worldwide in private air/ground channels in the
> VHF _mobile_ band, but not in VHF _airband_.
>

In the seventies, Kastrup Airport (Copenhagen) used to have an FM high band channel that carried tower to taxiway comms. It was a repeater crosslinked to the airband channel. The purpose of this was that ground crew could follow and communicate with the plane to ATC stuff on their Storno walkie-talkies. This is not FM air to ground but an interesting cross link, especially as this was about the only chance to hear English spoken on VHF FM comms stuff.

Still waiting for a list of countries that use FM for air to ground.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From -5483453501033274091
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93ccf95a2df583c3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 08:51:52 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!sdd.hp.com!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: HP Spectrum Analyzer 8558B Part Question
Message-ID: <1250232@hpnmdla.HP.COM>
Date: 20 Sep 90 15:51:52 GMT
References: <4574@qip.UUCP>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 17
Posted: Thu Sep 20 16:51:52 1990

John
Sorry to post the reply but a direct reply seems to bounce.
I have an extra 8558-60004 first mixer assembly. I also have an extra mixer board only but it also is missing the mixer (:>).

The diodes are no doubt Schottky and thus the lower junction potential. I suspect that HP makes the diodes themselves. I might be able to dig some up if I had a part number (I'd have to find someone on the line that makes the mixer assembly or else thrash through a lot of documentation). I suspect that a standard diode array from Metellics or other manufacturer would also work fine. Should be under $10.

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From -4720250737892015581
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f8dd057b433b6fb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 09:07:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
cs.utexas.edu!uunet!lupine!hansen!phil
From: phil@hansen.Berkeley.EDU (Phil Graham)
Newsgroups: rec.ham-radio
Subject: Something funny
Keywords: funny
Message-ID: <1665@lupine.NCD.COM>
Date: 20 Sep 90 16:07:21 GMT
Sender: news@NCD.COM
Reply-To: phil@hansen.Berkeley.EDU (Phil Graham)
Lines: 53
Posted: Thu Sep 20 17:07:21 1990

I read this in rec.humor.funny and I can not stop laughing / crying...

Taken from rec.humor.funny...

The following is an actual letter. The original was typewritten, and all spelling and grammar has been carefully left intact, including errors. I thought this was pretty funny.

To Mr. (name omitted)
District Manager for Alabama
Radio Shack
3300 N. Pace Blvd
Pensacola, FL. 32505

Dear Sire,
This letter is complain about the problems I have having with the ham radio model number 19-1101 I had got from your company Radio Shack. I had this shipped special to me from your store 1096 Eastdale Mall Montgomery Alabama. I was got this because I think that i would get transmitt furthur that I did with the TRC 217 40 channel walkie talkie.

The problem that had first was when I was going to hook this radio HTX-1000 to the antenna the conektor on the radio was wrong it wouldn't attach to my cable. I was able to hook it finally by making a small change in in the connektor. As soon as I tried to use it there was no sound coming at all. This happened for two days and I never did get to talk to anybody the whole two days. That day the cable company came knocking my door and said there was something causing problems at my house and disconnekted my radio from the cable line. you knew when i brought the Radio that I was going to use that for my antenne. You didn't tell me not to why not?

Next time I decided to put the HTX-1000 in my automobile I thought I would see how it worked their. I hooked it to my CB-antenna and at least I could hear people. But what happens now is no one wants to talk to me because they says you have to have a licencs to talk to them. Why? I dont have to have a licencs to talk on my CB. They'll talk to me there. Anyhow it dont matter much anymore because somebody done took the radio HTX-1000 from my automobile.

What I would like for you Radio Shack to do is refund my money because I don't have the radio anymore and its not my fault i dont and I think you should give me back my money. Also the cable company here says that I hurt something in there line and want to be paid fix it. It will cost $27482.98 to fix the equipment they say was damaged because you didnt tell me not to hook it to the cable. Please remit to me the check for $27758.53 for damages due. To save this matter from going to court the check must be in my hand by June first or I will turn this over to my attorneys of law.

Thank you

  name withheld
--

From -8201137540969123584
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,53b660ea7d8dc770
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 09:45:30 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!apple!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio license...
Message-ID: <4094@altos86.Altos.COM>
Date: 20 Sep 90 16:45:30 GMT
References: <9009191847.AA10456@emunix.emich.edu>
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 17
Posted: Thu Sep 20 17:45:30 1990

In article <9009191847.AA10456@emunix.emich.edu> rabbani@EMUNIX.EMICH.EDU (Daniel

Rabbani) writes:

> Are there any kind of restriction on non-immigrants (I
> am here in the States on a student visa) applying for
> a ham radio license?

There are no restrictions whatsoever. Anyone, of any age, can apply for,
and get an amateur radio license in the US.

--
Jerry Gardner, NJ6A   Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos!jerry   2641 Orchard Parkway
Internet: jerry@altos.com   San Jose, CA 95134
Guns don't kill people, bullets do.   (408) 432-6200

From 3329991594617052089
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,952f532e3116cefd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 10:14:36 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!caen!sdd.hp.com!
hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Re: what is homebrewing
Message-ID: <7880284@hpfcdc.HP.COM>
Date: 20 Sep 90 17:14:36 GMT
References: <18878@frog.UUCP>
Organization: HP Fort Collins, Co.
Lines: 14
Posted: Thu Sep 20 18:14:36 1990

> I also had the VFO tank toroid lying down on the ground plane, and my
>books disagreed about whether or not the "self-shielding" capability of
>toroids went quite to such an extreme; the Mark II had the toroid vertical
>and well away from other components.

In laying out circuits, I sometimes cheat and see how the commercial
guys did it on a similar circuit. Part of the problem of homebrewing is
that you don't have the extensive design rules database that the
commercial guys do.

I've never seen toroids laying on a ground plane in frequency-sensitive
circuits.

Perry/KF0CA

From 5322673442683658849

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a0b4df795b10199
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 10:29:40 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!caen!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Limited Space Antennas
Message-ID: <7880285@hpfcdc.HP.COM>
Date: 20 Sep 90 17:29:40 GMT
References: <22480016@hpcuha.HP.COM>
Organization: HP Fort Collins, Co.
Lines: 15
Posted: Thu Sep 20 18:29:40 1990

Re: dipoles

70' is almost ideal for a 1/2-size G5RV. It's mostly resonant, so you
may avoid buying a transmatch. It is resonant on 40, 20, 15, and 10.
As a novice, I don't think you can use 20 and 15 CW, but it gives you
incentive to upgrade to tech. :)

The G5RV can be bought as a kit, but if you can find an Ernie, you can
probably build one for free. If $$$ is a consideration, a transmatch
can be built with the help of an Ernie. The commercial models, like the
MFJ-949C are around $150 for transmatch, SWR meter, and dummy load.

Perry Scott
KF0CA

From 524160421027034620
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,671b3160836343eb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 10:48:38 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!wuarchive!psuvax1!rutgers!att!cbnewsj!kb2glo
From: kb2glo@cbnewsj.att.com (thomas.kenny)
Newsgroups: rec.ham-radio
Subject: SWBC harmonics on 10 meters
Keywords: SWBC SWL RFI harmonics 10meters
Message-ID: <1990Sep20.174838.23661@cbnewsj.att.com>
Date: 20 Sep 90 17:48:38 GMT
Organization: AT&T Bell Laboratories
Lines: 23
Posted: Thu Sep 20 18:48:38 1990

This morning while driving to work I was tuning around the 10 meter band
looking for a QSO. I had heard that 10 meters was doing pretty well over
the last few days so I thought I'd give it a try durning my commuting

time. Well I heard a lot of DX from Europe on the band and heard some
classical music around 28.800. I wondered what jerk out there is playing
music. Then I came across the carrier and realized it was AM. I of course
figured it must be a harmonic and tuned to 9.600 MHz. I was right on
my first guess. It turned out to be Radio Moscow. I was rather surprised
of the S9 signal I was getting of their third harmonic with just a short
Larsen 10 meter whip on the roof of the car. I called up the ARRL and
reported the interferance to Luck Hurder which stated he'll be reporting
it to the FCC. It appears he sends a monthly report of several hundred
cases of interferance each month to the FCC. Of course we can't expect
much to be done but at least it was reported. So I guess if you have
one of those Uniden or Radio Shack 10 meter rigs and commute on the
East coast you'll be able to enjoy Radio Moscow in the morning. I heard
them from 1251 to 1300Z. They signed off at 1300Z and I don't know how early
they were on... Happy listening :-(73 DE KB2GLO, Tom.

--
Tom Kenny, KB2GLO
uucp: att!lzatt!tek   internet: tek%lzlup@att.att.com
packet: kb2glo@nn2z.nj.usa.na ampr: kb2glo@nn2z.ampr.org [44.64.0.10]

From -5076242884401461490
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2862ba03294dc91c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-20 11:57:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!milton!uw-beaver!ubc-cs!alberta!aunro!aupair.cs.athabascau.ca!lyndon
From: lyndon@cs.athabascau.ca (Lyndon Nerenberg)
Newsgroups: rec.ham-radio
Subject: Re: Radio Propagation and Nuclear Winter ?
Message-ID: <291@aupair.cs.athabascau.ca>
Date: 20 Sep 90 18:57:57 GMT
References: <9009181856.AA27614@ucsd.edu>
Organization: Athabasca University
Lines: 15
Posted: Thu Sep 20 19:57:57 1990

RHAREL%FAB8@SC.INTEL.COM ("RICHARD HAREL-CAL.LAB 7589") writes:

>With all other services down, I would imagine Amateur Radio would be one of the
>only sources of communications.

I would think that if someone dropped a nuke, The recipient of this
little gift would waste little time declaring a state of war. I think
that one of the first things to happen after that would be a suspension
of all amateur radio operating priv's.

--
Lyndon Nerenberg VE6BBM / Computing Services / Athabasca University
{alberta,cbmvax,mips}!atha!lyndon || lyndon@cs.athabascau.ca

The only thing open about OSF is their mouth. --Chuck Musciano

```
From -5271606608455184876
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ef26b70d3534ecc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-16 21:26:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!julius.cs.uiuc.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Software postings in this group.
Message-ID: <30500735@ux1.cso.uiuc.edu>
Date: 17 Sep 90 04:26:00 GMT
References: <4015@rsiatl.UUCP>
Lines: 33
Nf-ID: #R:rsiatl.UUCP:4015:ux1.cso.uiuc.edu:30500735:000:1613
Nf-From: ux1.cso.uiuc.edu!phil    Sep 16 23:26:00 1990
Posted: Mon Sep 17 05:26:00 1990
```

> In article <4015@rsiatl.UUCP> jgd@rsiatl.UUCP (John G. DeArmond) writes:
> >So here's my suggestion. In the interim, continue posting to rec.ham-radio.
> >And in that interim, let's find someone to volunteer to hold a formal
> >discussion and vote for a software newsgroup for ham radio. Any
> >volunteers?
>
> Let's not.
> Instead, let's use the groups that already exist for such things: the comp.*
> groups. For example, the recent Super Morse posting should have gone to
> comp.binaries.ibm.pc, for two reasons: 1) it's where binaries for the IBM PC
> belong, and if your site doesn't get c.b.i.p, then you shouldn't try to
> end-run binaries around the restriction; and 2) it may well have gotten wider
> exposure that way, thus giving people who don't read rec.ham-radio a chance
> to play with a Morse Code program, thus possibly breaking down one of the
> excuses for not getting into ham radio. (Oops. Not politically correct.
> Ignore that last.)

I agree!

This makes a mess of the INFO-HAMS digest, too.

> A proposal for rec.radio.software will be met with exactly this objection
> from the admins of the net. For such a group to pass, it will need an answer
> to that objection.

I believe this will very likely be the case. Post things in the appropriate comp.* group and if people there complain that things should be in a ham related group (not likely due to the low numbers) then that is usable as the answer to the admin objections.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society

<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -4854204876591420708
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2067e2904d6974e3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-16 22:56:08 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
swrinde!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: ABUSE OF HAM RADIO ETHICS IN talk.politics.mideast
Message-ID: <19058@ucsd.Edu>
Date: 17 Sep 90 05:56:08 GMT
References: <4433@qip.UUCP> <1990Sep16.053659.19580@lopez.UUCP> <238@ssc.UUCP>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 3
Posted: Mon Sep 17 06:56:08 1990

Please return this discussion to talk.politics.mideast. It has little
to do with ham radio, regardless of the participants. And it's boring.
     - Brian

From 6940336493814383611
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f330015d60d2ddc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-17 04:52:50 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!swrinde!
ucsd!ucbvax!STLAWU.BITNET!MROWEN
From: MROWEN@STLAWU.BITNET (Mike Owen W9IP)
Newsgroups: rec.ham-radio
Subject: Mark Colosia and posting garbage
Message-ID: <9009171200.AA11161@ucsd.edu>
Date: 17 Sep 90 11:52:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: SAINT LAWRENCE UNIVERSITY
Lines: 13
Posted: Mon Sep 17 12:52:50 1990

TO : Mark Colosia and others
FROM: Mike Owen W9IP and many, many others
RE : Common sense

Come on - give me ONE good reason for posting, not once but
twice, the unreadable reams of SuperMorse source code.

Posting source code is a ridiculous waste of net resources and
is just plain annoying. If you have source code, why not just
post a short message saying that you have it and giving
your e-mail address? Wouldn't that be a better idea?

MRO

From -4736856591014218952
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62aa93bcde0a29c4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-17 05:31:40 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: Why Aviation Uses AM
Message-ID: <9009171231.AA01078@cmr.ncsl.nist.gov>
Date: 17 Sep 90 12:31:40 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 13
Posted: Mon Sep 17 13:31:40 1990

A recent posting says:
> > All of the above, even though true, overlooks one fact - AM works. There is
> > no compelling need to change every aviation radio in the world.

> Agreed as to the first part. However, it is simply not true that AM is a
> world standard. It is a US standard. There are plenty of places in the
> world where FM is the standard for VHF aeronautical communications.
> --
> Rob Stampfli / att.com!stampfli (uucp@work) / kd8wk@w8cqk (packet radio)
> 614-864-9377 / osu-cis.cis.ohio-state.edu!kd8wk!res (uucp@home)

I'm interested; where in the World is FM the standard for aviation communication
Bob, W3OTC

From -1644904141911419876
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-17 06:42:15 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
van-bc!ubc-cs!uw-beaver!cornell!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: Novice operating in old days, was Re: Heatkit to be sold?
Message-ID: <39959@cci632.UUCP>
Date: 17 Sep 90 13:42:15 GMT
References: <122.26E9904B@w8grt.fidonet.org> <1250226@hpnmdla.HP.COM>
<108167@philabs.Philips.Com> <4436@optilink.UUCP>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 15

Posted: Mon Sep 17 14:42:15 1990

In article <108167@philabs.Philips.Com>, rfc@briar.Philips.Com (Robert Casey) writes:
> [...] Is 3.579545Mhz in the novice band? [...]
> That freq would be a very common crystal, as it is the
> color TV color info subcarrier.

The novice band is currently 3700-3750. I found myself spending a lot of time in this band when I held my tech license, and made my first-ever HF contact with N8JLK, running 3rd party before I had received my license in the mail.

I would be interested in a history of how the bands have changed over the years; like a time-line showing what bands expanded, moved, were taken away, etc. over the years. Does anybody have such a thing prepared for posting?

Chris/WZ2B

```
From -8559814365980062520
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db36cef13aa2ef69
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-17 06:48:21 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!van-bc!ubc-cs!uw-beaver!cornell!rochester!rit!cci632!cep
From: cep@cci632.UUCP ( co-op)
Newsgroups: rec.ham-radio
Subject: Re: POSTING PROGRAMS TO THIS NET
Message-ID: <39960@cci632.UUCP>
Date: 17 Sep 90 13:48:21 GMT
References: <150.26F16507@w8grt.fidonet.org>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 13
Posted: Mon Sep 17 14:48:21 1990
```

In article <150.26F16507@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>
> > How about rec.ham-radio.software -- I think that would be more
> > appropriate
>
>That sounds more like a newsgroup ABOUT software. Let's stick with a
>traditional rec.radio.ham.bin.

I see what you're saying - it sounds like a discussion group, where not only software would be posted, but also discussion about commercial packages, etc. I had to look at what you said three times to understand the meaning.

The problem is that it's not just for binaries.

From 5887723115210464006
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fbc2f090d8937b6e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-17 06:57:12 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: "Long Distance" CPO (Code Practice Oscillator)
Message-ID: <58942@iuvax.cs.indiana.edu>
Date: 17 Sep 90 13:57:12 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 25
Posted: Mon Sep 17 14:57:12 1990

>Cheating? How else would you do it with ONE WIRE? RF? Nawwwww...

I haven't tried this but it should work: Use capacitors or transformers to couple audio oscillators or mechanical buzzers to a pair of wires, or a single wire and ground. The receiver is earphones (high-Z or appropriately coupled). Full QSK, no switching required.

I have a photo of a Japanese VLF CW transceiver captured on Guam Island in WW2. It was used for communicating between caves and tunnels, and for directing artillery. The transmitter is a high-frequency buzzer, the receiver uses a coherer (!). The antenna was a very long wire which perhaps extended outside the tunnels. I don't know if it was grounded at the far end, as in earth-dipole communications.

The Japanese are traditionally famous for doing the unexpected in war. This rig not only communicated through the ground, but used frequencies unlikely to be monitored or jammed by the enemy.

Reference on Japanese radios of the war: _Popular Communications_, December 1988 p. 20.

--

Frank   W9MKV   reid@ucs.indiana.edu

From 5329609245062845641
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8a942d0e5e82c06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-17 07:05:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!aplcen!uunet!ncrlnk!ncrwic!encad!entec!kthompso
From: kthompso@entec.Wichita.NCR.COM (Ken Thompson)
Newsgroups: rec.ham-radio

Subject: Re: POSTING PROGRAMS TO THIS NET
Message-ID: <690@entec.Wichita.NCR.COM>
Date: 17 Sep 90 14:05:32 GMT
References: <9009111334.AA19069@ucsd.edu>
Reply-To: kthompso@entec.UUCP (Ken Thompson)
Organization: NCR Corporation, Wichita, KS
Lines: 9
Posted: Mon Sep 17 15:05:32 1990

Read my fingers Mark:

Use your N key to go to the next article if you do not want to read this one.

--
Ken Thompson   N0ITL
NCR Corp. 3718 N. Rock Road
Wichita,Ks. 67226 (316)636-8783
Ken.Thompson@wichita.ncr.com

From 1525346298034619086
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aef08b945b751386,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-17 07:49:15 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: VHF antenna gain figures references
Message-ID: <29654@netnews.upenn.edu>
Date: 17 Sep 90 14:49:15 GMT
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 21
Posted: Mon Sep 17 15:49:15 1990

Does anyone know of any references or previous tests done on common commercially available VHF antennas? In particular, antennas like Ringo Rangers, Huster G6/G7's, Station Masters, Telex/Hy-Gain VxS series, etc.? In particular, things like radiation patterns/radiation angle, gain, bandwidth, etc. The manufacturers give most of these figures in their handouts, but they probably aren't all that accurate from what I've seen.

Also, somewhere there is a book that talks about the design and "how to make your own" version of many of the popular antennas, including the Station Masters. Anyone know the name and/or publisher of this book?

--- Jeff

```
--
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
Jeff DePolo  N3HBZ            Twisted Pair: (215) 386-7199
depolo@eniac.seas.upenn.edu    RF: 146.685- 442.70+ 144.455s (Philadelphia)
University of Pennsylvania     Carrier Pigeon: 420 S. 42nd St. Phila PA 19104
```

From 3576398268632099813
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6440f7fffe70085d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-17 08:24:31 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!hcvdl.csc.ti.com!hurta
From: hurta@hcvdl.csc.ti.com (Dwaine Hurta, 917-0830, Hillcrest)
Newsgroups: rec.ham-radio
Subject: humorous letter
Message-ID: <9009171524.AA20580@tilde>
Date: 17 Sep 90 15:24:31 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 57
Posted: Mon Sep 17 16:24:31 1990

This letter was forwarded to me by a friend to got this from another newsgroup (rec.humor ??) of which I have no access. No social ramifications are implied. (I just thought it was a funny letter too...)

Dwaine, N5HD

==

The following is an actual letter. The original was typewritten, and all spelling and grammar has been carefully left intact, including errors. I thought this was pretty funny.

To Mr. (name omitted)
District Manager for Alabama
Radio Shack
3300 N. Pace Blvd
Pensacola, FL. 32505

Dear Sire,
This letter is complain about the problems I have having with the ham radio model number 19-1101 I had got from your company Radio Shack. I had this shipped special to me from your store 1096 Eastdale Mall Montgomery Alabama. I was got this because I think that i would get transmitt furthur that I did with the TRC 217 40 channel walkie talkie.

The problem that had first was when I was going to hook this radio HTX-1000 to the antenna the conektor on the radio was wrong it wouldn't attach to my cable. I was able to hook it finally by making a small change in in the connektor. As soon as I tried to use it there was no sound coming at all. This happened for two days and I never did get to talk to anybody the whole two days. That day the cable company came knocking my door and said there was something causing problems at my house and disconnekted my radio from the cable line. you knew when i brought the Radio that I was going to use that for my antenne. You didn't tell me not to why not?

Next time I decided to put the HTX-1000 in my automobile I thought I would see how it worked their. I hooked it to my CB-antenna and at least I could hear people. But what happens now is no one wants to talk to me because they says you have to have a licencs to talk to them. Why? I dont have to have a licencs to talk on my CB. They'll talk to me there. Anyhow it dont matter much anymore because somebody done took the radio HTX-1000 from my automobile.

What I would like for you Radio Shack to do is refund my money because I don't have the radio anymore and its not my fault i dont and I think you should give me back my money. Also the cable company here says that I hurt something in there line and want to be paid fix it. It will cost $27482.98 to fix the equipment they say was damaged because you didnt tell me not to hook it to the cable. Please remit to me the check for $27758.53 for damages due. To save this matter from going to court the check must be in my hand by June first or I will turn this over to my attorneys of law.

Thank you

name withheld
--

From -5552722442625580885
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bbc5db2848cdb654,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-17 09:03:35 PST
Path: gmdzi!unido!tub!fauern!tumuc!lan!buettneb
From: buettneb@lan.informatik.tu-muenchen.dbp.de (Bernhard Buettner)
Newsgroups: rec.ham-radio
Subject: Try shunt feeding your tower!?
Message-ID: <4490@tuminfo1.lan.informatik.tu-muenchen.dbp.de>
Date: 17 Sep 90 16:03:35 GMT
Sender: news@lan.informatik.tu-muenchen.dbp.de
Reply-To: buettneb@lan.informatik.tu-muenchen.dbp.de (Bernhard Buettner)
Organization: Inst. fuer Informatik, TU Muenchen, W. Germany
Lines: 45
Posted: Mon Sep 17 17:03:35 1990

Try Shunt Feeding your Tower!?

Hello DXers!

Some time ago I read some very interesting articles about shunt feeding towers. After reading through some material I understood how it works. Shunt feeding a tower is not at all difficult and seemed to give very good results.

I decided to use two one inch tubes rods in parallel for the gamma section (to make it broadband) up to the top of the tower, fed through a series and a parallel capacitor at ground level. The tower is 60 feet high and holds a TH6DXX and a 402CD (2el 40-m-Yagi), so the top capacity provided by those two antennas would certainly have a positive influence. The gamma section was connected to the tower just below the lowest antennas, at about 50 feet. About 3000 feet of radial wire was buried to keep ground losses low. Finding the right positions for 80 and 160m took a little longer than I had thought, but I managed it. I later calculated the impedance of the tower from the settings and this was well within the theorhetical predictions. So far so good ...

First thing that happened when I wanted to give it a try on 80 this night was that one of the 12-V power supplies went up to around 22 Volts and almost damaged the 70cm radio. The rotor control jumped around like crazy and everything was 'hot' in the shack. No doubt: RF.

The shack is about 50 feet away from the tower and it is below the ground level (in the ceiling). The outside of the coax cables coming down from the tower carries the RF. How to get rid of the RF on the cable? I buried the cables under the tower. They now disappear in the ground below the tower and come out of the wall in the shack. But the RF is still there ...

I could think of big ferrite cores but where can I get cores that are big enough for RG-213?

Any other ideas?

73 Ben, DL6RAI

From -7046553963985169944
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,952f532e3116cefd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-17 09:30:13 PST
Path: gmdzi!unido!mcsun!uunet!optilink!elliott
From: elliott@optilink.UUCP (Paul Elliott x225)
Newsgroups: rec.ham-radio
Subject: Re: what is homebrewing
Summary: VFO Stability
Message-ID: <4449@optilink.UUCP>

Date: 17 Sep 90 16:30:13 GMT
References: <9009042122.AA04390@tilde> <18878@frog.UUCP>
Organization: Optilink Corporation, Petaluma, CA
Lines: 44
Posted: Mon Sep 17 17:30:13 1990

In article <18878@frog.UUCP>, john@frog.UUCP (John Woods) writes:
> [homebrew VFO] The first VFO turned out to be rather unstable when checked
> with a frequency counter; so I poured over all of my references, and listed
> a number of things that I seemed to have done wrong*, and built a second

There are *lots* of things that can go wrong with a supposedly stable VFO!

> I also had the VFO tank toroid lying down on the ground plane, and my
> books disagreed about whether or not the "self-shielding" capability of
> toroids went quite to such an extreme; the Mark II had the toroid vertical
> and well away from other components.

The self-shielding probably wasn't the problem, but the stray capacitance between the windings and the groundplane will definitely cause frequency instability over time and temperature. Either standing the toroid up, or supporting it well above the groundplane with a *thick*, stable insulator should help.

> The most likely killer, however, was trusting Active Electronics "NP0"
> capacitors; they list the AVX part numbers that specify NP0 characteristics
> for some of their capacitors, but the circuit got a *lot* better when I
> used ceramic disks with the little black mark on top...

I haven't seen a problem with the monolythic multilayer NPO capacitors, I wonder what is going on. Another problem area is the temperature coefficient of the toroid core. Even with carefully selected compensation capacitors, the circuit will be less stable than the equivalent air-core toroid.

When desiging a VFO for a portable radio, be sure to use a mechanical dial to indicate frequency. It's just too frustrating to see the frequency wander back and forth on a digital display ;-)

> To which I might add: Homebrewing is being surprised.

Amen to that. But for me, anyway, it is also more fun than actually using the stuff, once built. I tend to make a contact or two with my new piece of gear, then say "Well, it works!", and let it gather dust from that point on.

-Paul wb6cxc
--
Paul M. Elliott Optilink Corporation (707) 795-9444
{uunet, pyramid, tekbspa}!optilink!elliott
"an archetypal entity..., superimposed on our culture by a cosmic template."

From -5196640362050783866

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a0b4df795b10199,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-17 09:45:16 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcuha!jimallen
From: jimallen@hpcuha.HP.COM (Jim Allen)
Newsgroups: rec.ham-radio
Subject: Antennas
Message-ID: <22480016@hpcuha.HP.COM>
Date: 17 Sep 90 16:45:16 GMT
Organization: Hewlett Packard, Cupertino
Lines: 21
Posted: Mon Sep 17 17:45:16 1990

I am in the process of getting my Novice license. I know little about antennas and would like some advice.

I would like to get an antenna system that would enable me to use my Novice frequency privileges to the fullest extent.

My limitations are that the maximum length of dipole would be about 70 ft. Large non-dipoles are out as well as a lot of different dipoles (multiple). This is due to my location.

Is there a small non-dipole or a 70 ft. dipole that could fit the bill?

Thanks,

Jim Allen

From -4183614595537572270
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-17 09:49:03 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!uunet!optilink!elliott
From: elliott@optilink.UUCP (Paul Elliott x225)
Newsgroups: rec.ham-radio
Subject: Re: Novice operating in old days, was Re: Heatkit to be sold?
Summary: Sorry for 80M Novice band misinformation
Message-ID: <4450@optilink.UUCP>
Date: 17 Sep 90 16:49:03 GMT
References: <122.26E9904B@w8grt.fidonet.org> <1250226@hpnmdla.HP.COM> <231@ssc.UUCP>

Organization: Optilink Corporation, Petaluma, CA
Lines: 30
Posted: Mon Sep 17 17:49:03 1990

In article <231@ssc.UUCP>, tad@ssc.UUCP (Tad Cook) writes:
> In article <4436@optilink.UUCP>, elliott@optilink.UUCP (Paul Elliott x225)
writes:
> > In article <108167@philabs.Philips.Com>, rfc@briar.Philips.Com (Robert Casey)
writes:
> >
> > > [...] Is 3.579545Mhz in the novice band? [...]

> > Yeah, its in the novice 80M band. I haven't worked 80M (ever!), but have

> No, 3.579545 MHz is not, and was not ever, in the Novice band. The Novice
> band was from 3.7 to 3.75 MHz. I am not sure, but I think there was
> a change in this allocation. I think the whole segment shifted down 25 KHz,
> so it is now 3.675 to 3.725 MHz. I believe this was done in the last year.

Several others have (politely!) pointed out my error as well. For my
traditional whining excuse and attendant rationalization, Let me say this:

Well, I looked in the 1988 ARRL Handbook, and waded through the U.S.
allocations. They didn't have the subbands plainly marked, but I thought
I could decipher the page-and-a-half of "limitations". I guess I couldn't!

Why doesn't the handbook show the bandplans? They don't change *that*
often! (or do they?)

-Paul -wb6cxc, *not* operating in the 80M Novice band (thank goodness!)

--
Paul M. Elliott   Optilink Corporation   (707) 795-9444
{uunet, pyramid, tekbspa}!optilink!elliott
"an archetypal entity..., superimposed on our culture by a cosmic template."

From -5473848895017826682
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2665921319b9b661,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-17 10:53:00 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!CONSRT.ROK.COM!nix%muppet.decnet
From: nix%muppet.decnet@CONSRT.ROK.COM ("MUPPET::NIX")
Newsgroups: rec.ham-radio
Subject: Query About Electret Microphone Operation
Message-ID: <9009181958.AA01955@ucsd.edu>
Date: 17 Sep 90 17:53:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 61
Posted: Mon Sep 17 18:53:00 1990

I'd like to hear from anyone who has some experience with the working of the `electret' type microphone. I've built an adaptor, to allow me to use the headset from my 2 meter FM hand-held with my Tentec Paragon HF transceiver, and am having some difficulties with high distortion.

The Paragon (since Tentec sells electret microphones) has a low-level (about +8.4 VDC through 680 ohms) voltage available on one of the pins in the microphone connector. In a `universal' (small universe) adaptor box that I've built, I'm providing a portion of that voltage to the headset's connector, with a DC blocking capacitor in the audio output.

A long time ago (but not so far away) I can remember reading some of the early `this is how they work' articles regarding electret microphone elements. `Back then' (as I remember), the early electrets were basically a charged film suspended between two `screens'. A sound wave caused the film to vibrate and, since it was electrostatically charged, the mechanically vibrating film induced an AC voltage across the `screens'.

Rather more recently (the last few months I think) I saw something on electret type microphones, and I believe (can't quite remember enough of the article to be sure) that the inferance was that current electret microphone elements incorporate a pre-amp within the housing of the microphone.

If electrets do now incorporate internal pre-amps, then my problem is most likely that I've just dropped the DC voltage too low, and all that needs to be done, to cure the high distortion, is to reduce (perhaps eliminate) the series voltage dropping resistance, so that the electret's internal amplifier is operating in its linear region.

I was cutting back (using series resistance) on the voltage, to try and set the electret's audio level to be comparable to that of my normal station microphone (so I wouldn't have to fiddle with the microphone gain on the radio). If the electret is a simple `charged-film' type device, then dropping the `polarizing voltage' should work to reduce the audio output. If there's an active amplifier within the microphone itself, then obvously dropping the impressed DC voltage across the element is not the way to reduce the audio output level, and an attenuator (isolated from the DC supply voltage) is called-for.

Typing this now, it seems reasonable that a simple `film-type' electret element would show very high output impedance, and therefore the higher than expected (compared to my regular microphone) audio levels are a strong indication that there is some internal amplification being provided within the electret housing.

Last night (Well OK, it in the wee-hours this morning), after several hours of checking-and-rechecking the wiring in my `universal mic adaptor' box, it was not nearly so obvious what was probably going on.

The interface box serves to provide for 4 different types of microphone connectors, and also as a switch, to allow me to select either a microphone, or my PK-232, as the audio input to the radio. So, even though audio interfacing to an HF radio is pretty straightforward, there can get to be a fair number of wires going all over the place. Putting it all into a small diecast aluminum box, and working too many hours, can result in a situation where `obvious' things are not ....

Thoughts & comments would be appreciated.

Paul Nix (WB5AGF)   InterNet: nix%muppet.decnet@consrt.rok.com

From 3773995474657126752
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db36cef13aa2ef69
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-17 11:28:30 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!ubc-cs!alberta!atha!aupair.cs.athabascau.ca!lyndon
From: lyndon@cs.athabascau.ca (Lyndon Nerenberg)
Newsgroups: rec.ham-radio
Subject: Re: POSTING PROGRAMS TO THIS NET
Summary: All right, boys and girls ...
Message-ID: <268@aupair.cs.athabascau.ca>
Date: 17 Sep 90 18:28:30 GMT
References: <150.26F16507@w8grt.fidonet.org>
Followup-To: poster
Organization: Athabasca University
Lines: 22
Posted: Mon Sep 17 19:28:30 1990

> > >   OK - LET'S MAKE A rec.ham-radio.binaries !!

> > How about rec.ham-radio.software -- I think that would be more
> > appropriate,

>That sounds more like a newsgroup ABOUT software. Let's stick with a
>traditional rec.radio.ham.bin.

Oh for Christ's sake: WHAT IS WRONG WITH comp.binaries.* and comp.sources.* ????

I challenge any and all of you to convince me of any added functionality we would obtain by not using the existing and proven methods for distributing software via the net.

REPLIES VIA EMAIL ONLY!!!! I will summarize.

--
Lyndon Nerenberg VE6BBM / Computing Services / Athabasca University
{alberta,cbmvax,mips}!atha!lyndon || lyndon@cs.athabascau.ca

The only thing open about OSF is their mouth. --Chuck Musciano

```
From -3527082919577833392
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8a942d0e5e82c06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-17 12:51:30 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rice!uw-beaver!ubc-cs!alberta!atha!
aupair.cs.athabascau.ca!rwa
From: rwa@cs.athabascau.ca (Ross Alexander)
Newsgroups: rec.ham-radio
Subject: Re: POSTING PROGRAMS TO THIS NET
Message-ID: <269@aupair.cs.athabascau.ca>
Date: 17 Sep 90 19:51:30 GMT
References: <18763@ucsd.Edu> <37388@unix.cis.pitt.edu> <930@gvlv2.GVL.Unisys.COM>
<1990Sep14.184535.5184@ni.umd.edu>
Organization: Athabasca University
Lines: 13
Posted: Mon Sep 17 20:51:30 1990

louie@sayshell.umd.edu (Louis A. Mamakos) writes:
>In article <930@gvlv2.GVL.Unisys.COM> ean@gvlv3.UUCP (Ed Naratil) writes:
>>    OK - LET'S MAKE A rec.ham-radio.binaries !!
>If you're going to be posting programs, why not post them in SOURCE form.
>[...] You know, "software" homebrew..

Absolutely correct.  Also, this site won't carry or forward "binary" groups.
The crackers and virii-villains have screwed it up for the honest hackers
(as usual).

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--
Ross Alexander    rwa@cs.athabascau.ca    (403) 675 6311    ve6pdq


From 5029691933701992216
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f330015d60d2ddc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-17 13:30:47 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sun-barr!rutgers!cunixf.cc.columbia.edu!
cunixa.cc.columbia.edu!cy5
From: cy5@cunixa.cc.columbia.edu (Conway Yee)
Newsgroups: rec.ham-radio
Subject: Re: Mark Colosia and posting garbage
Message-ID: <1990Sep17.203047.27369@cunixf.cc.columbia.edu>
Date: 17 Sep 90 20:30:47 GMT
References: <9009171200.AA11161@ucsd.edu>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Reply-To: cy5@cunixa.cc.columbia.edu (Conway Yee)
Organization: Columbia University
Lines: 19
Posted: Mon Sep 17 21:30:47 1990
```

In article <9009171200.AA11161@ucsd.edu> MROWEN@STLAWU.BITNET (Mike Owen W9IP) writes:
>TO : Mark Colosia and others
>FROM: Mike Owen W9IP and many, many others
>RE : Common sense
>
>Come on - give me ONE good reason for posting, not once but
>twice, the unreadable reams of SuperMorse source code.
>
>Posting source code is a ridiculous waste of net resources and
>is just plain annoying. If you have source code, why not just
>post a short message saying that you have it and giving
>your e-mail address? Wouldn't that be a better idea?

Just remember, before he posted Super Morse, he explicitly asked the net whether or not he should. The response was overwhelmingly positive. He only did it after this response. Where were you when he posed his question?

Conway Yee, N2JWQ

From -1575981956394493973
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc119ffd6ed486b3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,fc119ffd6ed486b3,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-09-17 14:32:05 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!apple!agate!linus!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: International call sign assignment history?
Keywords: calls
Message-ID: <108363@philabs.Philips.Com>
Date: 17 Sep 90 21:32:05 GMT
Sender: news@philabs.Philips.Com
Lines: 6
Xref: gmdzi rec.ham-radio:14923 rec.radio.shortwave:2135
Posted: Mon Sep 17 22:32:05 1990

Does anyone know the historical origin of the assignment of callsign prefixes to various countries? Example: why did the USA get assigned W, K, N, and part of A? Instead of some other letters? I can see A, for America, but what would W match? West? Or (most likely) was the assignment at random?

73 de WA2ISE

From 7120576327362907319
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,acc364142f75f64c,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-17 15:04:29 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9009172204.AA03091@blackbird.afit.af.mil>
Date: 17 Sep 90 22:04:29 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 414
Posted: Mon Sep 17 23:04:29 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #748 -
Alouette 1
1 00424U 62B-A  1 90247.36629825  .00000219  00000-0  25283-3 0  3396
2 00424  80.4611 208.0026 0024673  68.1692 292.2071 13.67382649393517
ATS 3
1 03029U 67111  A 90249.39070032 -.00000075  00000-0  99999-4 0  4108
2 03029  13.3044  20.5093 0015190 207.2186 152.7596  1.00272713 83607
Cosmos 398
1 04966U 71 16  A 90254.36511272  .00052600  18348-4  28238-3 0   849
2 04966  51.5343  20.4860 2226754 311.4390  31.5055 11.16035666601288
Starlette
1 07646U 75010  A 90251.22150595  .00000040  00000-0  78968-4 0   966
2 07646  49.8242 190.8392 0205952 105.5311 256.8423 13.82141797787268
LAGEOS
1 08820U 76039  A 90246.24767858  .00000003  00000-0  00000 0 0  1007
2 08820 109.8590  21.8482 0044663 221.6460 138.0625  6.38664437 78929
GPS-0001
1 10684U 78020  A 90252.70052100  .00000006  00000-0  99999-4 0  4944
2 10684  63.7284  86.9458 0120258 196.9543 162.6918  2.00555731 77540
GPS-0002
1 10893U 78 47  A 90254.17866610 -.00000024  00000-0  00000 0 0  2272
2 10893  64.3507 327.7545 0174916  25.3363 335.5716  2.00542385 90391
GOES 3
1 10953U 78062  A 90250.70890584  .00000103  00000-0  99999-4 0  9441
2 10953   7.1369  65.4620 0009662  82.5234 277.7773  1.00277767  5525
SeaSat 1
1 10967U 78064  A 90254.64655295  .00000713  00000-0  28847-3 0  3717
2 10967 108.0205 138.6315 0002117 248.6748 111.4123 14.35834125638868
GPS-0003
1 11054U 78093  A 90250.96476265 -.00000023  00000-0  00000 0 0  2582
2 11054  63.8776 324.0987 0060083 120.0066 240.6683  2.00568046 87347
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Nimbus 7
1 11080U 78098  A 90246.63717476  .00000148  00000-0  16261-3 0  6904
2 11080  99.1824 149.7538 0008251 232.8113 127.2288 13.83454384598889
GPS-0004
1 11141U 78112  A 90250.07236345  .00000006  00000-0  00000 0 0  4285
2 11141  63.7606  86.9021 0058694 315.9565  43.6519  2.00553592 86025
GPS-0005
1 11690U 80 11  A 90252.20810565  .00000008  00000-0  00000 0 0    91
2 11690  64.2553  88.9854 0118111 202.6254 156.9385  2.00554760 91927
GPS-0006
1 11783U 80 32  A 90254.01015895 -.00000023  00000-0  00000 0 0  1999
2 11783  63.6718 323.5395 0151304  60.4296 301.1347  2.00560002 76045
GOES 5
1 12472U 81049  A 90253.51879798 -.00000073  00000-0  99999-4 0  9733
2 12472   3.6752  74.7489 0000975  38.2494 322.0705  1.00204498 33082
DE 1
1 12624U 81 70  A 90254.09873381  .00000184  00000-0  62290-3 0  5205
2 12624  88.9725 147.0670 6216772 253.6922  33.2480  3.51019443265206
SME
1 12887U 81100  A 90254.61764564  .00052336  00000-0  70284-3 0  8199
2 12887  97.6241 307.6792 0002921 114.3845 245.7780 15.57762957494690
Salyut 7
1 13138U 82 33  A 90254.44748474  .00066579  00000-0  50900-3 0  4944
2 13138  51.5996 225.2433 0002034  95.0509 265.0923 15.71528783478385
Cosmos 1383
1 13301U 82 66  A 90253.98015504  .00000119  00000-0  12808-3 0  5956
2 13301  82.9268 237.8843 0026347 287.2734  72.5521 13.67845084409400
LandSat 4
1 13367U 82 72  A 90254.78846592  .00000626  00000-0  14888-3 0  4449
2 13367  98.1573 315.5819 0002800 207.9848 152.1200 14.57146459433912
IRAS
1 13777U 83  4  A 90250.53674879  .00000080  00000-0  67365-4 0  8061
2 13777  99.0215  86.0480 0013123 155.4637 204.7200 13.98809355 58458
Cosmos 1447
1 13916U 83 21  A 90254.04809813  .00000121  00000-0  11709-3 0  7417
2 13916  82.9481 308.5923 0036546 261.5243  98.1763 13.74060029374461
TDRS 1
1 13969U 83 26  B 90253.68556658  .00000128  00000-0  99999-4 0   873
2 13969   4.6778  65.1220 0002589 123.4193 236.8356  1.00274214   199
GOES 6
1 14050U 83 41  A 90253.62246247  .00000119  00000-0  99999-4 0  2496
2 14050   2.4425  77.1390 0003836  14.6071 345.8712  1.00268091   642
OSCAR 10
1 14129U 83 58  B 90238.61357863 -.00000014  00000-0  00000 0 0  5476
2 14129  26.0406 187.8479 5952609 170.7338 209.0516  2.05880945 26187
GPS-0008
1 14189U 83 72  A 90252.48197645  .00000005  00000-0  99999-4 0  8257
2 14189  63.4018  85.2333 0148040 219.5123 139.4614  2.00701385 52451
LandSat 5
1 14780U 84 21  A 90255.22917441 -.00000927  00000-0 -20090-3 0  3084
2 14780  98.1977 313.9649 0001515  10.8836 349.2395 14.57100277347391
UoSat 2
1 14781U 84 21  B 90254.59246457  .00001382  00000-0  26261-3 0  7798
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2 14781  97.9432 304.2983 0012621 338.6709  21.3963 14.65646520348620
GPS-0009
1 15039U 84 59  A 90253.62463569  .00000005  00000-0  00000 0 0   360
2 15039  63.1593  84.3072 0023836 226.2201 133.6590  2.00611055 45756
Cosmos 1574
1 15055U 84 62  A 90254.31978177  .00000112  00000-0  10956-3 0  9447
2 15055  82.9575 358.8080 0029156  82.5075 277.9387 13.73374962311896
GPS-0010
1 15271U 84 97  A 90252.56190152 -.00000024  00000-0  00000 0 0  8952
2 15271  63.1733 323.1045 0106881 327.7003  31.7415  2.00559384 42840
Cosmos 1602
1 15331U 84105  A 90251.53380582  .00001184  00000-0  15843-3 0  3512
2 15331  82.5353 283.6473 0024820  61.3863 298.9851 14.78522459320405
NOAA 9
1 15427U 84123  A 90254.03948602  .00000421  00000-0  24845-3 0  6236
2 15427  99.1730 255.8857 0015990 126.0482 234.2173 14.12661351296107
Cosmos 1686
1 16095U 85 86  A 90254.76545862  .00040785  00000-0  31427-3 0  7511
2 16095  51.5934 223.6125 0002159 279.3912  80.9098 15.71550103478439
GPS-0011
1 16129U 85 93  A 90252.77219549  .00000006  00000-0  00000 0 0  5717
2 16129  63.9220  85.4332 0125871 148.4794 212.3426  2.00509730 36059
Mir
1 16609U 86 17  A 90254.93929977  .00025160  00000-0  32619-3 0  9289
2 16609  51.6103 252.5570 0027541  33.0148 326.5966 15.58250519261663
SPOT 1
1 16613U 86 19  A 90252.62606805  .00000405  00000-0  20803-3 0   987
2 16613  98.7276 325.9498 0000505  14.1554 345.9680 14.20015137 75919
Cosmos 1766
1 16881U 86 55  A 90254.40337802  .00003802  00000-0  52156-3 0  1442
2 16881  82.5162 339.9419 0024562  55.6074 304.7454 14.78010458221880
EGP
1 16908U 86 61  A 90250.72435095 -.00000046  00000-0 -49045-4 0  2436
2 16908  50.0095   2.2511 0011109  47.2551 312.9216 12.44388346185137
NOAA 10
1 16969U 86 73  A 90251.90972865  .00000577  00000-0  26927-3 0  4665
2 16969  98.5962 277.9687 0014382  29.6167 330.5823 14.23719344206524
MOS-1
1 17527U 87 18  A 90254.21872901 -.00013848  00000-0 -10349-1 0  6627
2 17527  99.1022 325.6440 0000716 103.8458 256.2164 13.94854172181251
GOES 7
1 17561U 87 22  A 90253.30149163 -.00000109  00000-0  99999-4 0  5890
2 17561   0.0836 277.6361 0004535 122.6485 319.7561  1.00277552  6294
Kvant-1
1 17845U 87 30  A 90254.61880489  .00047339  00000-0  58527-3 0  2503
2 17845  51.6053 254.1708 0025168  24.6472 335.3705 15.59250184261613
DMSP B5D2-3
1 18123U 87 53  A 90255.15520768  .00000000  00000-0  99999-5 0  6989
2 18123  98.8166  84.5949 0015240 133.1114 227.1338 14.14134013166696
RS-10/11
1 18129U 87 54  A 90254.87137085  .00000090  00000-0  92219-4 0  3174
2 18129  82.9223 264.4785 0010519 235.0637 124.9485 13.72107703161335
Meteor 2-16
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1 18312U 87 68  A 90252.35427546  .00000220  00000-0  18868-3 0  4890
2 18312  82.5451 223.5593 0015155  18.8894 341.2812 13.83672342154624
Meteor 2-17
1 18820U 88  5  A 90251.89277474  .00000136  00000-0  11076-3 0  3548
2 18820  82.5428 283.9205 0018306  89.2699 271.0558 13.84369445131763
DMSP B5D2-4
1 18822U 88  6  A 90255.20144492  .00000483  00000-0  23759-3 0  6339
2 18822  98.6339 132.3808 0007446  26.4519 333.7027 14.21543359135184
Glonass 34
1 19163U 88 43  A 90254.49006897  .00000020  00000-0  99999-3 0  9570
2 19163  64.9134 156.2115 0007114 191.5140 168.5237  2.13102548 17987
Glonass 36
1 19165U 88 43  C 90254.07791047  .00000020  00000-0  99999-4 0  9676
2 19165  64.8920 156.2192 0004191 331.3702  28.6574  2.13102715 17971
AO-13
1 19216U 88 51  B 90233.10507939  .00000146  00000-0  99999-4 0  1444
2 19216  56.9230 139.8507 7012370 234.0055  39.5251  2.09695679 16766
OKEAN 1
1 19274U 88 56  A 90254.09140422  .00001506  00000-0  20844-3 0  9423
2 19274  82.5136  78.8992 0021397 198.6931 161.3467 14.77304075117603
Meteor 3-2
1 19336U 88 64  A 90254.42333455  .00000391  00000-0  99999-3 0  5770
2 19336  82.5373 216.4005 0018249  86.4246 273.8901 13.16905689102308
Glonass 39
1 19503U 88 85  C 90254.56671829 -.00000016  00000-0  99999-4 0  8515
2 19503  65.3368  35.7174 0006456 177.4137 182.5873  2.13103493 15476
NOAA 11
1 19531U 88 89  A 90255.20516571  .00000636  00000-0  37046-3 0  3475
2 19531  98.9891 203.6373 0012744  43.0081 317.2096 14.11703613101246
TDRS 2
1 19548U 88 91  B 90250.52245104  .00000113  00000-0  99999-4 0  1505
2 19548   0.3125  83.1730 0002683 101.1610 175.6810  1.00267394  1091
Glonass 40
1 19749U 89  1  A 90254.13838128  .00000020  00000-0  99999-4 0  6901
2 19749  64.8597 155.8929 0006192 276.8164  83.1627  2.13102160 12996
Glonass 41
1 19750U 89  1  B 90254.19665838  .00000020  00000-0  99999-4 0  6938
2 19750  64.8722 155.9088 0005921 254.3270 105.6596  2.13102332 12999
Cosmos 2001
1 19796U 89 11  A 90253.92490418 -.00000998  00000-0  99999-4 0  6305
2 19796  63.4761  82.1843 7052291 319.8287   5.2563  2.00623042 11520
GPS BII-01
1 19802U 89 13  A 90233.24152199  .00000016  00000-0  99999-4 0  1540
2 19802  55.0484 194.8560 0052488 166.0565 194.0528  2.00648564 11058
Akebono
1 19822U 89 16  A 90254.30229361  .00020131  00000-0  11738-2 0  7393
2 19822  75.1018 196.5544 4165720 166.7601 209.0535  7.14333455  5972
Meteor 2-18
1 19851U 89 18  A 90252.17565793 -.00000122  00000-0 -11520-3 0  3095
2 19851  82.5231 161.5494 0015577 125.3314 234.9325 13.84001111 77182
TDRS 3
1 19883U 89 21  B 90250.15220794 -.00000234  00000-0  99999-4 0  1525
2 19883   0.3451  84.0787 0001939 103.8648 172.0626  1.00276183 75778
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GPS BII-02
1 20061U 89 44  A 90237.99762658 -.00000033  00000-0  00000 0 0  1489
2 20061  54.8515  12.9713 0089191 176.5997 183.4680  2.00483177  8891
Nadezhda 1
1 20103U 89 50  A 90253.98040005  .00000093  00000-0  93313-4 0  2036
2 20103  82.9573 221.7414 0037693 157.3112 202.9720 13.73609374 59493
GPS BII-03
1 20185U 89 64  A 90253.33612549  .00000016  00000-0  99999-4 0  1421
2 20185  54.9085 194.9114 0023430 160.0053 200.0827  2.00620274  7778
Activnyi
1 20261U 89 80  A 90254.42584629  .00001095  00000-0  34086-3 0  7139
2 20261  82.5980 173.8165 1257660 143.4110 225.9957 12.43886289 43318
Activnyi RB
1 20262U 89 80  C 90251.45459773  .00000442  00000-0  13436-3 0  2823
2 20262  82.5975 175.7982 1261137 150.4966 217.3762 12.43265007 42948
Magion 2
1 20281U 89 80  B 90254.45665914  .00001333  00000-0  41375-3 0  7135
2 20281  82.5969 173.6873 1257086 143.1142 226.3406 12.44171342 43328
GPS BII-04
1 20302U 89 85  A 90233.78841113 -.00000027  00000-0  99999-4 0  1392
2 20302  54.5872 314.3891 0034316 318.7813  41.0133  2.00369101  6186
Meteor 3-3
1 20305U 89 86  A 90254.74711004  .00000026  00000-0  57124-4 0  2135
2 20305  82.5556 156.9633 0016357 108.6506 251.6393 13.15863495 42330
COBE
1 20322U 89 89  A 90249.09126991  .00002569  00000-0  16821-2 0  1628
2 20322  99.0231 258.5337 0009065 139.8962 220.2880 14.02810479 40839
Kvant-2
1 20335U 89 93  A 90254.55485615 -.00029220  00000-0 -35872-3 0  3721
2 20335  51.6127 254.4829 0024848  22.8006 338.0293 15.59228785 45262
GPS BII-05
1 20361U 89 97  A 90221.97664954  .00000015  00000-0  99999-4 0   906
2 20361  54.9826 138.2198 0063606  49.6575 310.9235  2.00582513  4808
SPOT 2
1 20436U 90  5  A 90252.66141288  .00000380  00000-0  19585-3 0  3506
2 20436  98.7290 326.0480 0001059  93.4403 266.6834 14.20036487 32738
UO-14
1 20437U 90  5  B 90253.75900198  .00000423  00000-0  18406-3 0  2059
2 20437  98.6927 329.5984 0010602 266.0390  93.9608 14.28705762 33085
UO-15
1 20438U 90  5  C 90252.67807847  .00000279  00000-0  12775-3 0  1182
2 20438  98.6973 328.4884 0009474 269.4817  90.5283 14.28425078 32923
PACSAT
1 20439U 90  5  D 90251.08151583  .00000461  00000-0  19893-3 0  1075
2 20439  98.6996 327.0815 0010609 274.9262  85.0695 14.28806696 32706
DO-17
1 20440U 90  5  E 90252.61539693  .00000448  00000-0  19369-3 0  1162
2 20440  98.6995 328.6261 0010644 270.6946  89.3015 14.28857867 32923
WO-18
1 20441U 90  5  F 90251.05848549  .00000445  00000-0  19196-3 0  1102
2 20441  98.6991 327.1020 0011251 275.5293  84.4594 14.28947672 32709
LO-19
1 20442U 90  5  G 90253.42809570  .00000393  00000-0  17123-3 0  1129
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2 20442  98.6993 329.4911 0011575 268.9919  90.9918 14.29018962 33048
GPS BII-06
1 20452U 90  8  A 90231.96552739  .00000002  00000-0  99999-4 0   858
2 20452  54.5203 253.3822 0028572  40.8909 319.3724  2.00872044  4126
MOS-1B
1 20478U 90 13  A 90254.17638954 -.00000162  00000-0 -10763-3 0  4083
2 20478  99.1827 324.0095 0000762 128.9429 230.7690 13.94825063 30126
DEBUT
1 20479U 90 13  B 90248.08813991  .00000021  00000-0  76705-4 0  1047
2 20479  99.0305 279.4915 0540542 227.5653 127.8520 12.83144092 26992
FO-20
1 20480U 90 13  C 90237.47999198  .00000011  00000-0  52704-4 0  1024
2 20480  99.0343 270.8937 0540177 251.6210 102.5464 12.83159072 25637
MOS-1B R/B
1 20491U 90 13  D 90253.61025441  .00000208  00000-0  43788-3 0  1165
2 20491  99.0360 290.0465 0470640 190.9819 168.0686 13.02753276 27526
LACE
1 20496U 90 15  A 90253.93754205  .00005539  00000-0  33302-3 0  2315
2 20496  43.0961 211.3204 0014337 171.4058 188.6867 15.11561901 31494
RME
1 20497U 90 15  B 90253.17372106  .00012311  00000-0  32813-3 0  2466
2 20497  43.1214 171.3616 0017898 182.4551 177.6221 15.37970504 31914
Nadezhda 2
1 20508U 90 17  A 90253.33272823  .00000093  00000-0  93324-4 0  1709
2 20508  82.9588 357.1233 0045905 107.8530 252.7652 13.73230288 26697
OKEAN 2
1 20510U 90 18  A 90254.04274578  .00001867  00000-0  28390-3 0  2779
2 20510  82.5295  18.6362 0019898   0.6825 359.4570 14.73432577 28717
INTELSAT-6
1 20523U 90 21  A 90255.03537072  .00014929  00000-0  10799-2 0  2976
2 20523  28.3407  54.4328 0015635  32.1556 327.8267 15.02514007 27522
GPS BII-07
1 20533U 90 25  A 90235.22171003 -.00000033  00000-0  00000 0 0   621
2 20533  55.1112  13.2388 0036349 103.5071 256.9366  2.00552057  2945
PegSat
1 20546U 90 28  A 90254.49995619  .00032703  00000-0  19848-2 0  2189
2 20546  94.1149 260.9564 0147686  22.5030 338.2774 15.01658480 23785
HST
1 20580U 90 37  B 90254.55075295  .00003357  00000-0  36942-3 0  2079
2 20580  28.4718  59.9906 0005924 308.2593  51.7379 14.84937605 20826
Glonass 44
1 20619U 90 45  A 90254.50890172 -.00000016  00000-0  99999-4 0  1469
2 20619  64.9445  36.0051 0023005 209.6862 150.1841  2.13103274  2465
Glonass 45
1 20620U 90 45  B 90253.68824730 -.00000016  00000-0  99999-4 0  1534
2 20620  64.9368  36.0380 0007256  48.3406 311.7270  2.13103170  2453
Glonass 46
1 20621U 90 45  C 90253.74670537 -.00000016  00000-0  99999-4 0  1255
2 20621  64.9553  36.0436 0013712 197.5682 162.3838  2.13102976  2452
Kristall
1 20635U 90 48  A 90254.61880071  .00078210  00000-0  96095-3 0  1484
2 20635  51.6087 254.1614 0023107  25.6091 334.4128 15.59262718 16158
Meteor 2-19
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1 20670U 90 57  A 90243.41969962  .00000109  00000-0  92944-4 0   498
2 20670  82.5422 228.9395 0017832  77.0314 283.2836 13.83846103  8929
BADR-1
1 20685U 90 59  A 90254.52331682  .00301903 -77945-5  57267-3 0   708
2 20685  28.4905 286.1933 0454659  22.9413 339.2163 15.17620476  8663
Soyuz TM-10
1 20722U 90 67  A 90254.55473201  .00030516  00000-0  38057-3 0   534
2 20722  51.6092 254.4891 0024966  22.8658 337.2573 15.59245747  6442
GPS BII-08
1 20724U 90 68  A 90246.04016086  .00000016  00000-0  99999-4 0   137
2 20724  54.7068 193.1072 0094401 117.0824 243.8608  2.00550615   602
1990 038D
1 20746U 90 38  D 90254.67501562  .00481951  00000-0  10979-1 0   380
2 20746  73.9768 122.1697 0009532 344.4840  15.8494 15.40935372 21299
1990 038E
1 20747U 90 38  E 90254.69174439  .00532788  00000-0  10691-1 0   355
2 20747  74.0402 122.1875 0004948  27.3647 332.9305 15.44563476 21305
1990 038F
1 20748U 90 38  F 90254.35761963  .01474889  00000-0  12962-1 0   477
2 20748  74.0479 121.9320 0016795 157.2421 202.9626 15.64106533 21286
1990 038G
1 20749U 90 38  G 90254.67512119  .01134642  00000-0  13039-1 0   443
2 20749  73.9786 121.2234 0011469 155.5788 204.8233 15.58156235 21320
1990 038H
1 20750U 90 38  H 90254.67034601  .00862021  00000-0  12634-1 0   336
2 20750  74.0809 122.0056 0007059 141.2286 219.1158 15.52413418 21313
1990 038J
1 20751U 90 38  J 90253.67266155  .00585610  00000-0  10660-1 0   396
2 20751  73.9437 123.7243 0005199 113.1491 247.1718 15.47226469 21151
Progress M4
1 20752U 90 72  A 90254.55486126 -.00004538  00000-0 -52544-4 0   347
2 20752  51.6093 254.4862 0025123  22.9116 337.9415 15.59228497  4296
1990 043L
1 20759U 90 43  L 90253.31068912  .00008159  00000-0  12815-2 0   283
2 20759  89.6630 190.0068 0058196 250.1743 109.3208 14.71376978  7184
BSB-R2
1 20762U 90 74  A 90241.20226417 -.00000255  00000-0  99999-4 0    68
2 20762   0.3547 250.8801 0017120  90.4647  18.5913  1.00266680   100
1990 074B
1 20763U 90 74  B 90251.52411428  .00005184  00000-0  74411-3 0   272
2 20763  24.7694  25.9455 0570787 319.0352  35.9723 14.00893671  3011
1990 074C
1 20764U 90 74  C 90252.63209893  .00000111  00000-0  11891-2 0    94
2 20764  20.6766 147.3360 7293539 192.9355 125.7530  2.14074480   490
Cosmos 2096
1 20765U 90 75  A 90254.48549840 -.00018928  00000-0 -31093-3 0   454
2 20765  65.0203 187.3096 0010216 264.6254  95.3742 15.51984322  2924
Cosmos 2097
1 20767U 90 76  A 90254.29838113 -.00000998  00000-0  28063-2 0   189
2 20767  62.9288  41.3492 7365324 318.3278   4.5672  2.00551280   292
1990 076B
1 20768U 90 76  B 90254.69268570  .00961810  12105-4  13550-2 0   331
2 20768  62.7666 350.1143 0208944 120.3180 242.0034 15.75592690  2261
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1990 076D
1 20770U 90 76  D 90247.25855221  .00000617  00000-0  99999-4 0    62
2 20770  62.8711  42.3968 7346753 318.3227   4.5900  2.03402285   178
BS-3A
1 20771U 90 77  A 90252.70612592 -.00000186  00000-0  99999-4 0   198
2 20771   0.2397 249.8332 0088916 111.1754 359.0261  1.01143796   348
1990 077C
1 20773U 90 77  C 90253.69631302  .00051171  00000-0  93629-2 0   123
2 20773  28.8217 142.2788 7401175 186.4092 149.2950  2.14340355   294
Cosmos 2098
1 20774U 90 78  A 90254.44553374  .00004875  00000-0  48497-3 0   214
2 20774  82.9611 231.4770 1044266  94.8041 277.2918 13.19650677  1802
1990 078B
1 20775U 90 78  B 90254.42753391  .00002975  00000-0  25827-3 0   169
2 20775  82.9672 231.4625 1052423  94.0083 278.1870 13.21322117  1828
SKYNET 4C
1 20776U 90 79  A 90253.07713611 -.00000113  00000-0  99999-4 0   134
2 20776   4.3638 294.1982 0127772 204.4723 154.7648  1.02203318    84
EUTELSAT II
1 20777U 90 79  B 90246.11783012 -.00000043  00000-0  99999-4 0    68
2 20777   0.2574 148.3911 0599953 167.0429  39.9057  1.08973722    12
1990 079C
1 20778U 90 79  C 90251.06856768  .00039747  00000-0  54023-2 0    67
2 20778   7.0246 131.9225 7297722 184.1767 157.9134  2.27693863   183
Cosmos 2099
1 20779U 90 80  A 90254.52806066  .00111551  44047-5  11296-3 0   301
2 20779  82.3174 112.8269 0035803  80.6888 279.8370 16.09409116  1798
1990 079D
1 20781U 90 97  D 90252.74482478  .00087868  00000-0  86612-2 0   112
2 20781   7.0691 129.6952 7284419 187.2851 151.1097  2.29984382   229
1990 073C
1 20782U 90 73  C 90254.75597041  .00588578  19302-3  48580-3 0   129
2 20782  82.3340 109.3165 0011608 223.2467 136.7910 16.13856950  4238
Feng Yun 1B
1 20788U 90 81  A 90254.87198272  .00000356  00000-0  26318-3 0   186
2 20788  98.9358 289.3805 0010120 243.8355 116.1772 14.00444815  1241
PRC 31
1 20789U 90 81  B 90254.57850417  .00056844  00000-0  36792-1 0   177
2 20789  98.9466 289.1151 0018755 256.4763 103.4786 14.02157735  1191
PRC 32
1 20790U 90 81  C 90254.93498878  .00029366  00000-0  19163-1 0   136
2 20790  98.9399 289.4623 0015122 260.9724  99.0144 14.02021693  1244
1990 081D
1 20791U 90 81  D 90254.58164405 -.00004433  00000-0 -29423-2 0   214
2 20791  98.9369 289.1070 0010541 261.6883  98.3096 14.01180463  1191
1990 081E
1 20792U 90 81  E 90254.00524753  .00001224  00000-0  82321-3 0    72
2 20792  98.9420 288.5562 0014831 276.6233  83.3296 14.02104991  1111
1990 081F
1 20793U 90 81  F 90253.50940429  .00001557  00000-0  10542-2 0    51
2 20793  98.9342 288.0616 0013835 265.7236  94.2490 14.01387801  1046
RESURS-F9
1 20794U 90 82  A 90254.43863843  .00070508  13927-5  11686-3 0   106
```

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2 20794  82.5735 173.9626 0009779 293.6097  66.4292 16.02861588   640
--
Dr TS Kelso                          Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil         Air Force Institute of Technology
```

From 5853743868503856489
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ba7e5bae5da618a0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-17 17:15:32 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!maverick.ksu.ksu.edu!matt.ksu.ksu.edu!steve
From: steve@matt.ksu.ksu.edu (Steve Schallehn)
Newsgroups: rec.ham-radio
Subject: Where is Dove?!?
Keywords: Dove schedule
Message-ID: <1990Sep18.001532.7063@maverick.ksu.ksu.edu>
Date: 18 Sep 90 00:15:32 GMT
Sender: news@maverick.ksu.ksu.edu (The News Guru)
Organization: Kansas State University
Lines: 5
Posted: Tue Sep 18 01:15:32 1990

I have been monitoring 145.825MHZ the last week and have not heard Dove.
Is this bird still flying? What is the schedule for the Digi-Talker?

-Steve Schallehn, KB0AGD
 Kansas State University ARC

From 3399382990242178900
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-17 17:31:29 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!wrgate!copper!michaelk
From: michaelk@copper.WR.TEK.COM (Michael D. Kersenbrock)
Newsgroups: rec.ham-radio
Subject: Re: Novice operating in old days, was Re: Heatkit to be sold?
Message-ID: <3556@wrgate.WR.TEK.COM>
Date: 18 Sep 90 00:31:29 GMT
References: <122.26E9904B@w8grt.fidonet.org> <1250226@hpnmdla.HP.COM> <2523@naucse.cse.nau.edu> <108167@philabs.Philips.Com>
Sender: news@wrgate.WR.TEK.COM
Reply-To: michaelk@copper.WR.TEK.COM.UUCP (Michael D. Kersenbrock
Lines: 35
Posted: Tue Sep 18 01:31:29 1990

In article <2523@naucse.cse.nau.edu> rrw@naucse.cse.nau.edu (Robert Wier) writes:

> "I have a question: If novices were required to use crystals to generate the xmit freq, and assuming that you don't have a really big selection of frequencys (i.e. crystals), then how would you go about answering a CQ? "

Back then (as WH6FON), I had quite a few crystals... probably a half dozen or so :-). Several on 15M, a couple on 40, and one or two 80m ones. 15m was used primarily as I recall. Remember that other novices had the same restrictions, so standard operating practice was to tune around your frequency a fair bit. Also, back then, it didn't take ten turns of the frequency dial to tune 10 khz (I exagerate to make a point). Also, "most" operation tended to be in particular areas of the novice subsegment.

In fact, I tended to use only ONE crystal for most contacts, and had no trouble (for a 12-13 year old) making lotsa contacts. Trivia quiz: what issues of the Pop'tronix did my picture show up in?

I had dymo-labels on the top-end of my crystals for quick frequency changes (ft-243 crystals were on the large side, and had plenty room for labels).

I used a HT-40 transmitter during my novice days (as well as a string of home-brew transmitters and converted ARC-5 stuff).... sigh... the junk I used to have.... :-)

WB4IOJ
--
Mike Kersenbrock
Tektronix Logic Analyzers Division
michaelk@copper.WR.TEK.COM
Aloha, Oregon

From 4021980756907637610
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fbc2f090d8937b6e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-17 17:46:41 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!decwrl!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Re: "Long Distance" CPO (Code Practice Oscillator)
Message-ID: <9009180046.AA11124@tilde>
Date: 18 Sep 90 00:46:41 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Tue Sep 18 01:46:41 1990

You "one-wire" guys are spending too much time and money trying to communicate! Better to use no wire at all and get voice transmission, to boot! How? Laser beams? No-o-o. Light pipes? No-o-o. Just take an couple of

empty cans, some string and some wax. Wax the string, punch a hole in the
closed end of each can. Run the string through the holes and knot each end;
[C
Pull string taut and presto! Wireless, no-power voice transmission!
73,   Dube N5PDK

From -7599399003167814824
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b327acc7d7a511dc,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,b327acc7d7a511dc,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,b327acc7d7a511dc,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-09-17 20:46:10 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucselx!news
From: s-zeerox@steer.calstate.edu
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap
Subject: looking for lost Ham Radio magazine article...
Message-ID: <1990Sep18.034610.1515@ucselx.sdsu.edu>
Date: 18 Sep 90 03:46:10 GMT
Sender: news@ucselx.sdsu.edu (News Admin)
Organization: Humboldt State University, Arcata, Calif. USA
Lines: 27
Xref: gmdzi rec.ham-radio:14924 rec.ham-radio.packet:2783 rec.ham-radio.swap:612
Posted: Tue Sep 18 04:46:10 1990

Awhile ago I was in a radio store and I was reading through a magazine. I came accross a neat article, but I ended up not buying the magazine and then forgetting about the article. Now I find that this article might be very useful to me. Murphy's law... Anyways if you recognize the article that I am about to describe then please E-mail me. I would like to know the name of the magazine and the issue date. I would also be willing to pay for you to send a photo-copy to me.

The article described how to build a cheap video frame grabber for the Commodore 64 computer. The author was using the video digitizer as a sort of cheap slow scan TV system by transmitting the bit map via packet radio. I thought that the quality was rather poor, but the entire circuit was very simple and inexpensive. The article included a grainy picture of the author in his ham shack. I think info was included for ordering kits and PC boards. The surprising thing was that I have seen audio digitizers that looked more complicated than this video digitzer.

I am pretty sure that the magazine was Ham Radio, but I can't be certain. The issue date was late 1988 or early 1989. The local library does not have this magazine (or any other radio magazines).

If you can help, Thanks.

Noah Spurrier

E-mail me at "s-zeerox@steer.CalState.EDU". Please stick my name "4noah"
in the subject field; two people are sharing this account...

From 2504372180520364674
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6c7056b47b4b807,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,c6c7056b47b4b807,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f76e2,c6c7056b47b4b807,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-09-17 20:54:34 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucselx!news
From: s-zeerox@steer.calstate.edu
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap
Subject: looking for lost Ham Radio magazine article.
Message-ID: <1990Sep18.035434.2653@ucselx.sdsu.edu>
Date: 18 Sep 90 03:54:34 GMT
Sender: news@ucselx.sdsu.edu (News Admin)
Organization: Humboldt State University, Arcata, Calif. USA
Lines: 28
Xref: gmdzi rec.ham-radio:14926 rec.ham-radio.packet:2785 rec.ham-radio.swap:613
Posted: Tue Sep 18 04:54:34 1990

Awhile ago I was in a radio store and I was reading through a magazine. I came accross a neat article, but I ended up not buying the magazine and then forgetting about the article. Now I find that this article might be very useful to me. Murphy's law... Anyways if you recognize the article that I am about to describe then please E-mail me. I would like to know the name of the magazine and the issue date. I would also be willing to pay for you to send a photo-copy to me.

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If you can help, Thanks.

Noah Spurrier

E-mail me at "s-zeerox@steer.CalState.EDU". Please stick my name "4noah" in the subject field; two people are sharing this account...

From 294414354059356030
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8086fbe21f7a7aec,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8086fbe21f7a7aec,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-09-17 21:15:20 PST
Path: gmdzi!unido!mcsun!uunet!cbmvax!heimat!dan
From: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Mods for Kenwood R-2000 wanted
Message-ID: <184@heimat.UUCP>
Date: 18 Sep 90 04:15:20 GMT
Reply-To: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Organization: Sneakers Computing, West Lawn, PA
Lines: 17
Xref: gmdzi rec.radio.shortwave:2141 rec.ham-radio:14934
Posted: Tue Sep 18 05:15:20 1990

I just received a Kenwood R-2000 and would like any mods for this unit. This includes (but is in now way limited to) homebrew VHF converters, mods to go lower/higher in frequency, ect....

All serious replies welcomed. Please e-mail and I will post a summary if there is interest.
--

```
                               _____
     Dan 'Sneakers' Schein     /     \   Quote:
     Sneakers Computing     \/\/     |        Those who worked the hardest
     2455 McKinley Ave.      |  (o)(o)        are the last to surrender.
     West Lawn, PA 19609     C   .---_)            -= Gary Ward =-
                              | |.___|
                              |  \__/
     uunet!cbmvax!heimat!dan  /_____\  (or)  dan%heimat@commodore.com
```

From -8926608562024042718
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f250e87e331ee16
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-17 21:30:54 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!snorkelwacker!usc!samsung!
munnari.oz.au!bruce!mlacus!pault
From: pault@mlacus.oz (Paul Taylor)
Newsgroups: rec.ham-radio
Subject: Re: canecdote: those ubiquitous cans
Summary: more homebrew from the kitchen
Message-ID: <628@mlacus.oz>

Date: 18 Sep 90 04:30:54 GMT
References: <1767@yenta.alb.nm.us> <7880270@hpfcdc.HP.COM>
<1990Sep12.160936.2262@tc.fluke.COM>
Organization: Aust Centre for UNISYS Software(ACUS Melb)
Lines: 23
Posted: Tue Sep 18 05:30:54 1990

In article <1990Sep12.160936.2262@tc.fluke.COM>, chuckb@tc.fluke.COM (Chuck Bowden) writes:
>Herring Aid, crafted from a sardine can ?
>Or the ever-popular Sardine Sender.

Although I do not classify myself as an 'Olde Farte', I did build a phasing SSB transmitter on an upturned baking dish, called...

"The Tucker Tin"

(translation: 'tucker' is Australian slang for food.)
(Reference : Article by ZL1AMJ, Electronics Australia, circa 1975).

PS. The dish was seriously unstable mechanically, leading to a rampant VFO. Perhaps a synthesized VFO would solve the problem!

de VK3BLY.

--

Paul Taylor (VK3BLY), Australian Centre for Unisys Software (ACUS).
pault@mlacus.oz

From -6290250501582359085
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9473df51326c6f6f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9473df51326c6f6f,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-09-17 21:45:34 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!mips!max!crisp
From: crisp@mips.COM (Richard Crisp)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Shuttle flight scrubbed
Message-ID: <41565@mips.mips.COM>
Date: 18 Sep 90 04:45:34 GMT
Sender: news@mips.COM
Reply-To: crisp@mips.COM (Richard Crisp)
Followup-To: rec.ham-radio
Organization: MIPS Computer Systems, Inc.
Lines: 9
Xref: gmdzi rec.ham-radio:14928 rec.radio.shortwave:2136
Posted: Tue Sep 18 05:45:34 1990

I just heard that the shuttle flight has been scrubbed. Again it was due
to hydrogen leaks. Columbia's mission may be set aside so that
Discovery's October launch of the solar probe will happen on schedule.

```
--
             Richard Crisp              crisp@mips.com
          MIPS Computer Systems        !decwrl!mips!crisp
           928 Arques MS 2-02           (408) 524-8177
           Sunnyvale, Ca 94086
```

From -2365899107451994563
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-17 21:50:12 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Novice operating in old days, was Re: Heatkit to be sold?
Summary: Novice band
Message-ID: <241@ssc.UUCP>
Date: 18 Sep 90 04:50:12 GMT
References: <122.26E9904B@w8grt.fidonet.org> <1250226@hpnmdla.HP.COM>
<39959@cci632.UUCP>
Organization: very little
Lines: 16
Posted: Tue Sep 18 05:50:12 1990

In article <39959@cci632.UUCP>, cep@cci632.UUCP (co-op) writes:
>
> The novice band is currently 3700-3750. I found myself spending a lot of time
> in this band when I held my tech license, and made my first-ever HF contact

No, the 80 meter Novice band is currently 3675 to 3725 KHz.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 2652842668403860482
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d1ecbac57d34cd48,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-18 04:33:40 PST

Path: gmdzi!unido!mcsun!uunet!wuarchive!rice!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!GTE.COM!pescatore_jt%ncsd.dnet
From: pescatore_jt%ncsd.dnet@GTE.COM
Newsgroups: rec.ham-radio
Subject: Genie/Prodigy/Ham radio stuff
Message-ID: <9009181133.AA04144@bunny.gte.com>
Date: 18 Sep 90 11:33:40 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19
Posted: Tue Sep 18 12:33:40 1990

I had a free initial introductory offer to Genie and used my free hours up pretty quickly. If you are looking for ham radio and computer related stuff to download, it was a pretty good service. Anything that charges per minute is too expensive for me and I have found that I almost never use the software I do download. Most of the other interesting stuff on Genie cost extra money (stocks, news, etc.) and I am not into interactive CB channel stuff (wierd stuff), so that was all a big waste to me.

I have been using Prodigy for about a year and it is puny weak ham radio-wise. In fact, I wrote up a proposal for an expanded ham radio area and submitted to Prodigy HQ, but it was turned down. They are purposely (is that a word?) not targeting a techno/radio/CPU-nerd market (my words) and are going more for Harry and Hariet and Hillary Jr. Homeowner who have a home computer and got tired of putting recipes on it.

I actually enjoy Prodigy quite a bit, although I spend no more than 10% of my time in the ham radio area. Between work, packet, this stuff, and all my ham operating, enough is enough. I would rather read movie reviews or check stocks than download yet another morse code practice program.

From -1934840942819098027
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96620ea51e66a8e9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-18 05:03:03 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: WANTED: Johnson Viking 500
Message-ID: <9009181203.AA28343@tilde>
Date: 18 Sep 90 12:03:03 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Tue Sep 18 13:03:03 1990

WANTED:
Johnson Viking 500

>>> Dead, or Dying <<<

William H. Jacobs WA8YCG
(304) 864-3679

Or E-Mail c/o
Bob West WA8YCD
rlwest@flopn2.csc.ti.com

```
From 203576012079193751
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fbc2f090d8937b6e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-18 05:32:59 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!julius.cs.uiuc.edu!apple!voder!thoreau!
rtodd
From: rtodd@thoreau.nsc.com ( =Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: "Long Distance" CPO (Code Practice Oscillator)
Summary: Tin Can Telephones
Message-ID: <99@thoreau.nsc.com>
Date: 18 Sep 90 12:32:59 GMT
References: <9009180046.AA11124@tilde>
Organization: National Semiconductor, S. Portland, Maine
Lines: 20
Posted: Tue Sep 18 13:32:59 1990
```

In article <9009180046.AA11124@tilde>, dube@cpdvax.csc.ti.com writes:

> Pull string taut and presto! Wireless, no-power voice transmission!
> 73,   Dube N5PDK

Having not done any quantative work on these systems I wonder:

1) Do they work better with a button on the end of the string or is knotted string better.
2) How much improvment does the wax make.
3) What is the attenuation per unit distance vs string thickness/material.
4) Is it necessary to match the cans or does a larger can make a better transmitter or receiver.
5) How well does an oatmeal box do compared to a coffee can.
6) Are the "synthetic" material cans any good, how about the composite cans.
7) Are aluminium cans better than steel.
8) What effect does string tension have.

Ron, K3FR

```
From 4110244516030108651
```

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-18 06:23:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!mephisto!tut.cis.ohio-state.edu!
snorkelwacker!bu.edu!mirror!necntc!necis!rbono
From: rbono@necis.UUCP ( NM1D)
Newsgroups: rec.ham-radio
Subject: *NEW*??? Novice 80 meter band?!?!? (was Re: Novice operating in old..)
Message-ID: <1391@necis.UUCP>
Date: 18 Sep 90 13:23:32 GMT
References: <122.26E9904B@w8grt.fidonet.org> <1250226@hpnmdla.HP.COM>
<237@ssc.UUCP>
Organization: NEC Technologies, Inc., Boxborough, MA
Lines: 22
Posted: Tue Sep 18 14:23:32 1990

In article <237@ssc.UUCP>, tad@ssc.UUCP (Tad Cook) writes:
>
> Actually, the 80 meter allocation for Novices has changed.  Novices
> are now on 3675 to 3725 KHz.  But that didn't happen until this year.
             ^^^^^^^^^^^^^^^^

Ok, did I miss something????  I heard that "they" were discussing this, but
I didn't know that it had happened yet (I don't think that it has).

  I have the 'need to know'... I am starting a Novice class the 25th of
September with the Derry (NH) Adult Continuing Education department.

  Please provide quotes that establish this.


  Rich (NM1D) (always the last to know)


 /**************************************************************************\
 * Rich Bono (NM1D)    If I could only 'C' forever!!    rbono@necis.nec.com *
 * (508) 635-6300          NEC Technologies Inc.                NM1D@WB1DSW *
 \**************************************************************************/


From -9185154504083880 94
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1ba945fa99b861e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-18 07:13:15 PST
Path: gmdzi!unido!mcsun!uunet!know!cs.utexas.edu!uwm.edu!uwvax!astroatc!nicmad!
norvax!beams
From: beams@norvax.UUCP (David Beams)
Newsgroups: rec.ham-radio
Subject: Re: Why is aviation radio AM?
Message-ID: <504@norvax.UUCP>
Date: 18 Sep 90 14:13:15 GMT
```

References: <9009130144.AA18510@tilde>
Organization: Norland Corp., Fort Atkinson, WI 53538
Lines: 30
Posted: Tue Sep 18 15:13:15 1990

> My guess is that (1) converting to FM would be super expensive for airlines
> and general aviation aircraft owners and (2) the taxpayers won't foot the bill
> for the jillions it would cost to change all the ground stations.
> 73,   Dube   N5PDK

If memory serves me correctly, the principal advantage in retaining AM for aviation radios is that AM is superior to narrow-band FM for weak-signal detection. At low input signal-to-noise ratios, the output S/N ratio of AM will be superior to the output S/N ratio of FM due to the onset of spikes in the discriminator output (the FM threshold effect). Somewhere in one of my communications texts is a graph of the output S/N ratio vs. input S/N ratio of both AM and NBFM, and it does show the superiority of AM over FM for weak-signal work. Of course, now that I'm *looking* for the thing, I can't find it. The closest thing I can find is a graph in Taub and Schilling (Principles of Communications Systems, published by McGraw-Hill in 1971) which plots the relative output S/N ratios of FM (for several values of modulation index) and coherent detection of SSB or DSB-SC signals (see Fig. 10.1-1, p. 321).

This is probably one of those rare instances in which retention of old technology actually has a technical rationale which coincides with the inertia of a large installed user base.

73, Dave KK9Y

--
UUCP: ...seismo!uwvax!astroatc!norvax!beams
US Mail: David Beams / Norland Corporation / Fort Atkinson, WI 53538-8999
"Let's stop this finger-pointing and get down to some serious name-calling!"

From -3343075500195890156
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-18 07:34:30 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!uwvax!astroatc!nicmad!norvax!beams
From: beams@norvax.UUCP (David Beams)
Newsgroups: rec.ham-radio
Subject: Re: Heatkit to be sold?
Message-ID: <505@norvax.UUCP>
Date: 18 Sep 90 14:34:30 GMT
References: <122.26E9904B@w8grt.fidonet.org> <1250226@hpnmdla.HP.COM>
<2523@naucse.cse.nau.edu>
Organization: Norland Corp., Fort Atkinson, WI 53538
Lines: 55
Posted: Tue Sep 18 15:34:30 1990

>
>
> Back last fall, I talked with a rep from Bull and asked about Heathkit. What follows is the gist of our conversation. I DON'T KNOW IF ANY OF THIS IS TRUE ... TAKE WITH GRAIN OF SALT.
>
> I too am very nostalgic for Heathkit. My first amateur rig was an HW-16 code only rig. Was a big deal when the regs changed from being rockbound to being able to use a VFO. I immediately bought the VFO (was it $75?), and had great fun since I COULD ACTUALLY TRANSMIT ON THE SAME FREQ AS THE OTHER GUY WAS SENDING! WOW!

I remember the HW-16; quite a nice three-bander (80,40, and 15), aimed specifically at the Novice licensee (75W, CW only, crystal-controlled or usable with external VFO). I remember helping a kid down the block put one on the air--he was awaiting his Novice ticket, and he wanted me to give the radio a checkout. Worked a GI3 while he stared, bug-eyed.

A friend with whom I keep a semi-regular sked sent me a photocopy of a Heath ad from CQ, circa 1968. It was a two-page spread; talk about nostalgia! I had actually forgotten how extensive was the line of Heath equipment. For me, whose source of income was mowing lawns, dollars were very hard to come by; what little equipment I could afford usually came from Benton Harbor.

>
> Anyway, I hope that Heathkit is picked up by a company that will find a way to keep the company going and make a profit. I still do buy stuff from them, although not usually not kits.

> Anyone else have old Heathkit nostalgia?
>
>
> - Bob Wier
>

From what I have written above, Bob, it is obvious that I do.

I guess I can put in a plug for the Heath SB-1400 transceiver, which is really a Yaesu 747GX with a few cosmetic changes (and the name Yaesu does appear in a few places in the radio itself). The price of the radio and power supply bought separately were rather steep, but the combination price was better than the prices for which I could buy comparable radios and power supplies. I have thoroughly enjoyed this radio and would recommend it to anyone. My only apprehension is that if Heath should withdraw from amateur radio entirely, service may or may not continue to be available. If the latter, I hope that Yaesu would be willing to service the radio should it ever need it. The best-case scenario would be that Heath would find a buyer actively interested in maintaining a presence in the amateur-radio market in the US.

73, Dave KK9Y

--

UUCP: ...seismo!uwvax!astroatc!norvax!beams
US Mail: David Beams / Norland Corporation / Fort Atkinson, WI 53538-8999
"Let's stop this finger-pointing and get down to some serious name-calling!"

From -5676239870470817258
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,be2151dd9b4a954,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-18 07:36:44 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!hubcap!bjb
From: bjb@hubcap.clemson.edu (BJ Backitis)
Newsgroups: rec.ham-radio
Subject: What are some of these? (was NASA Prediction Bulletins)
Message-ID: <10507@hubcap.clemson.edu>
Date: 18 Sep 90 14:36:44 GMT
Organization: Clemson University, Clemson, SC
Lines: 19
Posted: Tue Sep 18 15:36:44 1990

I was wondering if anyone could tell me where I could find out what some of the different satellites listed in the NASA Prediction Bulletins are? I recognize some of them (such as some of the weather, the amateur radio 'birds', the Hubble Telescope, etc), but some of them are still unknown (and often cryptically named or not named at all). Is there some public information (or, even better, available online or via anon ftp) that has such information as this? Please e-mail and I'll summarize to the net.

Thanks in advance.

73 de BJ, KM4RB

```
--
BJ Backitis (KM4RB)       | BJB@CLEMSON.BITNET     | "There are a great many
Info. Systems Development | BJB@HUBCAP.CLEMSON.EDU | people in this country
Clemson Univ. Division of | {...}!emory!hubcap!bjb | who, through no fault of
Comp. & Info. Technology  | All usual disclaimers  | own, are sane."
```

From 4371128722505764796
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62aa93bcde0a29c4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-18 08:28:04 PST
Path: gmdzi!unido!mcsun!ukc!icdoc!g7ahn
From: g7ahn@compulink.co.uk (Costas Krallis G7AHN)
Newsgroups: rec.ham-radio
Subject: Re: Why Aviation Uses AM
Message-ID: <2273@gould.doc.ic.ac.uk>
Date: 18 Sep 90 15:28:04 GMT

References: <9009171231.AA01078@cmr.ncsl.nist.gov>
Sender: ah@doc.ic.ac.uk
Reply-To: g7ahn@compulink.co.uk (Costas Krallis G7AHN)
Followup-To: rec.ham-radio
Lines: 14
Posted: Tue Sep 18 16:28:04 1990

In article <9009171231.AA01078@cmr.ncsl.nist.gov> rc@CMR.NCSL.NIST.GOV
(Robert Carpenter) writes:

>I'm interested; where in the World is FM the standard for aviation
>communication
>Bob, W3OTC

It is widely used worldwide in private air/ground channels in the
VHF _mobile_ band, but not in VHF _airband_.

Costas Keallis G7AHN/SV1XV
London, UK

E-Mail: g7ahn@compulink.co.uk

From -99636116501197685
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e3584085e6b10ecf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-18 08:56:49 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.HP.COM (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: Those Pesky European Envelopes...
Message-ID: <7120132@hpcupt1.HP.COM>
Date: 18 Sep 90 15:56:49 GMT
References: <8523@ncar.ucar.edu>
Organization: Hewlett Packard, Cupertino
Lines: 13
Posted: Tue Sep 18 16:56:49 1990

I had a simular experience. I went to a office supply place that also had
cards and such. After looking at the envelops I could not find the
european size envelops. I notices several empty spots and as the clerk about
the envelops I wanted. Again a blank stare. A freind of mine obtained
some at another store of the same chain. Turns out they are with the CARDS,
not the office supply envelops. Leason learned is don't look in the office
supply section for the european envelops, look in the greeting card section.
Also the clerks that work in these store dont know what a european sized
envelop is, all they know is they are the funny sized envelops they only
sell to the crazy people that talk on the radio late at night!
73's
Jim, WA6SDM
holly@hpcupt1.hp.com

From 3396553213625653553
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b69bb540bf8a1f22,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-18 11:05:05 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!olivea!oliveb!pyramid!andrem
From: andrem@pyrman2.pyramid.com (Andre Molyneux)
Newsgroups: rec.ham-radio
Subject: Alinco mobile 2m rig
Keywords: Alinco
Message-ID: <127478@pyramid.pyramid.com>
Date: 18 Sep 90 18:05:05 GMT
Sender: daemon@pyramid.pyramid.com
Lines: 13
Posted: Tue Sep 18 19:05:05 1990

Has anyone heard anything, good or bad, about the Alinco 2m mobile rig? I forgot it's model number. I believe it has 45 watts and extended receive coverage. My one previous experience with Alinco (I bought one of their original 2m ht's) left a little to be desired. This mobile rig looks to be a good buy if the quality is reasonable.

Any comments would be appreciated.

Andre Molyneux KA7WVV
andrem@pyrman2.pyramid.com
Pyramid Technology Corporation
1295 Charleston Road - Mountain View, CA 94043 - (415) 335-8229
"All the usual disclaimers"

From 6355875419806330102
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f442bd7c71f7df94,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-18 11:36:54 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!apple!hercules!sparkyfs!usasoc.soc.mil!aero!obrien
From: obrien@aero.aero.org (Michael O'Brien)
Newsgroups: rec.ham-radio
Subject: High-tension towers
Keywords: volts!
Message-ID: <85934@aerospace.AERO.ORG>
Date: 18 Sep 90 18:36:54 GMT
Sender: news@aerospace.aero.org
Reply-To: obrien@aero.aero.org (Michael O'Brien)
Organization: The Aerospace Corporation
Lines: 25
Posted: Tue Sep 18 19:36:54 1990

I just passed the test for my ticket and am contemplating getting a nice TS440 to begin operations. However, I don't want to spend close to

$1200 on something that will be a warm paperweight. Not that that model's junk, mind you - my problem is environmental.

I live in Venice, CA, about three buildings away from a major boulevard that's got a nice line of high-tension towers marching down it. I can hear the corona discharge buzzing from my bedroom, and broadcast channels 2 and 4 are pretty "sparkly".

Just to test the waters I threw a rudimentary longwire onto an old Hallicrafters I have lying around, and was surprised to be able to actually copy a few QSO's. They all seem to be local, but that's not surprising. I didn't hear a great deal of hash. I got WWV OK.

The question: Can anybody give me some idea of what to expect in the way of a QRN spectrum from those #*$@(&$# HT lines? I mean aside from the cancer, that is...

I own the house so I can put up pretty much any kind of antenna - no covenants in a neighborhood THIS old! But if I can expect all DX to be wiped out, mebbe I better concentrate on running mobile.
--
Mike O'Brien
obrien@aerospace.aero.org

From -3207788517666022148
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1ba945fa99b861e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-18 11:41:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Why is aviation radio AM?
Message-ID: <30500736@ux1.cso.uiuc.edu>
Date: 18 Sep 90 18:41:00 GMT
References: <26@<144>
Lines: 20
Nf-ID: #R:<144:26:ux1.cso.uiuc.edu:30500736:000:1044
Nf-From: ux1.cso.uiuc.edu!phil   Sep 18 13:41:00 1990
Posted: Tue Sep 18 19:41:00 1990

Maybe we should ask the question: "why is NON-aviation NOT using AM?"

The narrower that FM gets, the less capture effect you get.

When two stations double on FM, they get all kinds of squeaking and howling noises, so the heterodyning problems of AM stations doubling is comparatively not so bad. At one time, land mobile and amateur FM was wideband, and the advantages of FM were good, and the frequency stability of small portable units was so bad as to need that much band width to even find the signal.

Today we have the technology to slice out the correct H3E or R3E signal, if we were to use these modes (H3E is AM with one sideband gone, R3E is H3E with the carrier reduced requiring a syncronous detector).

I guess that's what they stole 220-222 MHz for (narrowband use) but it seems that they have failed in making it work (UPS wants to use narrow packet, not ACSSB and voice).

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 1372450631297075273
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2862ba03294dc91c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-18 11:53:00 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!wuarchive!decwrl!ucbvax!SC.INTEL.COM!RHAREL%FAB8
From: RHAREL%FAB8@SC.INTEL.COM ("RICHARD HAREL-CAL.LAB 7589")
Newsgroups: rec.ham-radio
Subject: Radio Propagation and Nuclear Winter ?
Message-ID: <9009181856.AA27614@ucsd.edu>
Date: 18 Sep 90 18:53:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19
Posted: Tue Sep 18 19:53:00 1990

Let's face it - none of us like to think about it, we hope it will never happen in our lifetime or that of future generations. But just in case, it's important to know...
Does anyone have any sources of information on radio propagation and effects on the ionosphere after a nuclear explosion or on a larger scale - during a "nuclear winter" ?
With all other services down, I would imagine Amateur Radio would be one of the only sources of communications.
Normally,I don't like bringing up old issues but while we're on the subject - was the context of the tape that was to be played on all Radio and television networks in the event of a nuclear attack ever made public either here or anywhere else ?

Rich

```
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
E-Mail:                 |Pigeon:          |Land Line:  |Packet:|Heart:
RHAREL%FAB8@SC.INTEL.COM|P.O. BOX 6457    |972-2-785578|4X1DA  |Cute blondes
                        |JERUSALEM, ISRAEL|            |@4Z4SV |with big smiles
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
```

From 6727822365768059429
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,952f532e3116cefd

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-18 11:53:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: what is homebrewing
Message-ID: <30500737@ux1.cso.uiuc.edu>
Date: 18 Sep 90 18:53:00 GMT
References: <18878@frog.UUCP>
Lines: 12
Nf-ID: #R:frog.UUCP:18878:ux1.cso.uiuc.edu:30500737:000:457
Nf-From: ux1.cso.uiuc.edu!phil   Sep 18 13:53:00 1990
Posted: Tue Sep 18 19:53:00 1990

> Amen to that. But for me, anyway, it is also more fun than actually
> using the stuff, once built. I tend to make a contact or two with my
> new piece of gear, then say "Well, it works!", and let it gather dust
> from that point on.
>
> -Paul wb6cxc

Now that is the mark of a REAL homebrewer !!!

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -7575609722517564356
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc119ffd6ed486b3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-18 11:58:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: International call sign assignment
Message-ID: <30500738@ux1.cso.uiuc.edu>
Date: 18 Sep 90 18:58:00 GMT
References: <108363@philabs.Philips.Com>
Lines: 14
Nf-ID: #R:philabs.Philips.Com:108363:ux1.cso.uiuc.edu:30500738:000:552
Nf-From: ux1.cso.uiuc.edu!phil   Sep 18 13:58:00 1990
Posted: Tue Sep 18 19:58:00 1990

I've heard the navy wanted N, and apparently got it... all of it. The Army
(and later Air Force as well) were using A.

I guess that the US got stuck with some weird letters in exchange for having
so many letters.

On the other hand, all of M for such a small country? But then again they
were quite an empire at one time.

One can see some obvious things in some of the call prefix allocations.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 4935001532256272245
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ef26b70d3534ecc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-18 12:39:40 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!udel!rochester!cornell!uw-beaver!ubc-cs!alberta!atha!aupair.cs.athabascau.ca!lyndon
From: lyndon@cs.athabascau.ca (Lyndon Nerenberg)
Newsgroups: rec.ham-radio
Subject: Re: Software postings in this group.
Message-ID: <275@aupair.cs.athabascau.ca>
Date: 18 Sep 90 19:39:40 GMT
References: <4015@rsiatl.UUCP>
Organization: Athabasca University
Lines: 83
Posted: Tue Sep 18 20:39:40 1990

jgd@rsiatl.UUCP (John G. DeArmond) writes:

>- let the people who have a problem with software in
>this group fix the problem for themselves.

Passing the buck is not the same as solving the problem. It's no
sweat off your back to say "too bad" to others, is it?

>If someone running a mail gateway, say Brian for instance, thinks that
>his downstream sites would be so offended by or so driven to poverty by
>the transmission costs of software or other files in this group, then let
>that person fix the problem.

We are not talking about Brians opinion, we're talking facts. It is
unfortunate that your narrow view of the world only encompasses
Usenet. If you investigated the history of rec.ham-radio, you might
be surprised at the number of people who receive this newsgroup
via email. You might also be surprised to learn that the mailing list
was around long before the newsgroup was. And yes, some people DO pay
real money to read this traffic. (I have to wonder why sometimes.)
How do you suggest that those "driven to poverty" "fix the problem?"

>It is trivially easy to screen traffic on
>the basic of a) size and/or b) content (the leading "M" in uuencoded
>files is a dead givaway) and/or format (fixed length lines, for example).
>Using Deliver, that would be a 15 minute task. Then the rest of us who

>value such postings could continue to benefit from them. Of course, it
>IS much easier just to bitch about it....

Alright John, why don't you prove your point. Since it's trivial,
write the piece of code that will screen out source and binary postings,
and mail it to Brian. Please ensure that your program catches C, Fortran,
Pascal, Assembler (680x0, 80x86, 65xx, 68xx, Z80, 808x, VAX, Sparc, IBM 370),
and BASIC, in addition to uuencoded stuff. Oh yes, don't forget btoa.
We'll test it by letting you post your code to rec.ham-radio after Brian
installs the filter.

>Most hams use PCs and for the non-PC software, a
>simple keyword in the title line will differentiate it from the PC stuff.

Do you have any hard data to back that statement up?

> This group would be an ideal place for Phil's latest TCP/IP stuff as
>well as all the other ham oriented software. Perhaps Bdale could even be
>pursuaded to set up an automatic poster daemon for the IP stuff.

Have you met my friend John? What a guy! Always willing to appoint someone
else to a job that will me his life easier! Tell me, John, do you know how
many bytes of traffic would be involved if we were to transmit every update
of NET and NOS (not to mention PE1CHL and the variants)? Get back to us
when you do.

It sounds to me like John's ftp command is broken. To quote my most
knowledgable friend, John:

">- let the people who have a problem with software in
>this group fix the problem for themselves."

>I say
>this, of course, because he stated a couple of years ago that it would
>take too much of his time for him to do so when I asked him to set up an
>automatic E-mail posting to me so I could redistribute to non- Internet
>sites.

So why didn;t YOU set it up?

>So here's my suggestion. In the interim, continue posting to rec.ham-radio.
>And in that interim, let's find someone to volunteer to hold a formal
>discussion and vote for a software newsgroup for ham radio. Any
>volunteers?

Ah yes. "I think we (sic) should do this!" "I think we (sic) should
do that!" "I want! I want! I want!" "Who's going to do it for me?"

Here's my suggestion:

John, shut the fuck up!

--

Lyndon Nerenberg VE6BBM / Computing Services / Athabasca University
{alberta,cbmvax,mips}!atha!lyndon || lyndon@cs.athabascau.ca

The only thing open about OSF is their mouth. --Chuck Musciano

From 5852125118326029667
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc119ffd6ed486b3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,fc119ffd6ed486b3
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-09-18 13:39:42 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!bloom-beacon!athena.mit.edu!mingliu
From: mingliu@athena.mit.edu (Minghsun Liu)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: International call sign assignment history?
Keywords: calls
Message-ID: <1990Sep18.203942.3779@athena.mit.edu>
Date: 18 Sep 90 20:39:42 GMT
References: <108363@philabs.Philips.Com>
Sender: daemon@athena.mit.edu (Mr Background)
Reply-To: mingliu@athena.mit.edu (Minghsun Liu)
Organization: Massachusetts Institute of Technology
Lines: 14
Xref: gmdzi rec.ham-radio:14942 rec.radio.shortwave:2149
Posted: Tue Sep 18 21:39:42 1990

In article <108363@philabs.Philips.Com>, rfc@briar.Philips.Com (Robert Casey) writes:
|> Does anyone know the historical origin of the assignment of callsign prefixes
|> to various countries? Example: why did the USA get assigned W, K, N, and
|> part of A? Instead of some other letters? I can see A, for America, but what
|> would W match? West? Or (most likely) was the assignment at random?
|>
|> 73 de WA2ISE

As far as I know, K is used by stations west of the Mississippi and W by those east of the river, with one or two exceptions here and there. And then Canadian stations uses prefixes of CN (I believe) while stations in other countries don't have any callsign. I do know one example though. In Taiwan, there is a station named International Community Radio, Taipei which used to be the american military broadcasting station has a callsign of ICRT. (It broadcasts in English, most of the time). Therefore, I think callsigns are only used by stations in North America.

-----> Ming2 Hsun1 Liu2

From 1821777896218626473
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6f9b9c960508596,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-18 13:48:41 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!
XEROX.COM!"wayne_a._lightsey.RochXRC"
From: "wayne_a._lightsey.RochXRC"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Try Shunt Feeding your Tower!?
Message-ID: <900918-134906-1557@Xerox>
Date: 18 Sep 90 20:48:41 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 33
Posted: Tue Sep 18 21:48:41 1990

Ben, DL6RAI

The decoupling effect of bringing your coax et al down to the ground level of the tower presumes that ground level is also rf ground level and thus no rf will be conducted. As you discovered, that is not always the case.

Your coax and rotator lines may be acting as radials. RG213 size ferrite cores are fairly common, available from most ferrite core manufacturers (e.g. AMIDON), RADIO KITs in New Hampshire, some RADIO SHACK stores and many stocking distributors.

You may also try creating an air core rf choke by winding the coax feedline - about 6-12 turns (the lower the frequency you are trapping out = larger number of turns), 6-inch inside diameter - to form an rf choke after the coax departs the base level of the tower. Another method I have found effective in years past is to electrically and mechanically bond the coax shield to the tower at the base. The tower base should be grounded with one eight foot ground rod per leg close to the tower and another eight foot ground rod per leg at least six feet away from the tower - all rods connected to the tower base with 3/8-inch copper tubing or #6 ground wire. Although a physical connection is not usually required, I have found occasion when working with a hot tower that bonding was the only way to achieve the decoupling. A coax feedthrough connector (a long double female device with mounting nuts - can't remember the connector number) works well for this purpose when mounted to a small piece of right angle stock that is clamped to the bottom of a tower leg. If you want to get fancy with this arrangement, this is also a good point to use a gas discharge tube lightning arrester in lieu of the coax feedthru.

Any one of these solutions may cure your problem or all may be required. And there are no guarantees! Good luck and 73,

Wayne, KB6CSP

```
From -5443956053940230327
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc119ffd6ed486b3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,fc119ffd6ed486b3
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-09-18 14:21:46 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: International call sign assignment history?
Keywords: calls
Message-ID: <44939@apple.Apple.COM>
Date: 18 Sep 90 21:21:46 GMT
References: <108363@philabs.Philips.Com>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 26
Xref: gmdzi rec.ham-radio:14945 rec.radio.shortwave:2151
Posted: Tue Sep 18 22:21:46 1990
```

In article <108363@philabs.Philips.Com> rfc@briar.Philips.Com (Robert Casey) writes:

>Does anyone know the historical origin of the assignment of callsign prefixes
>to various countries? Example: why did the USA get assigned W, K, N, and
>part of A? Instead of some other letters? I can see A, for America, but what
>would W match? West? Or (most likely) was the assignment at random?

I don't know how the assignments were made, but I presume they were at an international level *above* simply a telecommunications organization, because they're used for more than radio/TV callsigns.

This first dawned on me last year when I saw a Thai Air plane with an "HSxxx" number. Of course, I'd been seeing "N" on U.S. planes for years, but it never occurred to me that there might be a link between those ID numbers and the "N" used in ham prefixes.

So I await a definitive answer, also. Seems like it must be a "higher authority" than the ITU--or at least a joint agreement between the ITU and some other international organization(s).

Patty

--

```
*****************************************************************************
Patty Winter N6BIS                          INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                       UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

```
From 803126121333118135
X-Google-Language: ENGLISH,ASCII-7-bit
```

X-Google-Thread: 10c9e3,4dad5d0f1aaa3397,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-18 14:34:22 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!UCSD.EDU!DXANDY%widener
From: DXANDY%widener@UCSD.EDU
Newsgroups: rec.ham-radio
Subject: QSL Information
Message-ID: <5A091210072B007E-MTABWIDENER*DXANDY@widener>
Date: 18 Sep 90 21:34:22 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Tue Sep 18 22:34:22 1990

Q
Hi!
I am trying to find out the QSL information for N1HAQ. I can't get a response from the datapoint call book, and I don't have easy access to a regular call book. If anyone could provide me with this information I would be very grateful. I imagine N1HAQ would also be pretty grateful. I had the honour of being his last state for the WAS award. I would really like to get a card off to him ASAP.

I believe there is also a call book available via FTP, we just got FTP access. Does anyone know about this?

Thanks in advance,
Andy Greenshields N3IGS
[dxandy@widener.BITNET]

From -9130001000326723583
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc119ffd6ed486b3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,fc119ffd6ed486b3
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-09-18 15:04:05 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!julius.cs.uiuc.edu!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: International call sign assignment history?
Keywords: calls
Message-ID: <44943@apple.Apple.COM>
Date: 18 Sep 90 22:04:05 GMT
References: <108363@philabs.Philips.Com> <44939@apple.Apple.COM>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 22
Xref: gmdzi rec.ham-radio:14946 rec.radio.shortwave:2152
Posted: Tue Sep 18 23:04:05 1990

winter@Apple.COM (Patty Winter) writes:

>This first dawned on me last year when I saw a Thai Air plane with an
>"HSxxx" number. Of course, I'd been seeing "N" on U.S. planes for years,
>but it never occurred to me that there might be a link between those ID
>numbers and the "N" used in ham prefixes.

Aha! another plane spotter! Ever since my kid days, I have been straining my eyes in movies that featured airplanes to see if a movie was indeed taken on location. Much fun. Also at airports.

Of course, back then, when you spotted a VS- plane you don't really know which of the six colonial outposts it was from. I never bothered to look for the HS/s -- too common a sight at the local airport :-) :-).

BTW, HS probably got assigned because at that point the country's official name was Siam.

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

```
From -7994306018160480678
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e895c5af69cb3584
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 10:21:29 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!
hpfcso!hpfcdc!jle
From: jle@hpfcdc.HP.COM (Jer Eberhard)
Newsgroups: rec.ham-radio
Subject: Re: Extended transmit for ICOM 2GAT
Message-ID: <7880283@hpfcdc.HP.COM>
Date: 14 Sep 90 17:21:29 GMT
References: <9009121922.AA22706@hls.com>
Organization: HP Fort Collins, Co.
Lines: 45
Posted: Fri Sep 14 18:21:29 1990
```

I tried the mods database query request and it failed. Is there a more current email address for MODS?

Here is what I got back:

```
From MAILER-DAEMON@hpfcla.fc.hp.com Fri Sep 14 11:09 MDT 1990
Received: from hpfcla by hpfclg.HP.COM; Fri, 14 Sep 90 11:09:47 mdt
Received: from hpfcjle.fc.hp.com by hpfcla.fc.hp.com with SMTP
     (15.11.1.3/15.5+IOS 3.20) id AA05396; Fri, 14 Sep 90 11:05:54 mdt
Date: Fri, 14 Sep 90 11:09:32 mdt
From: Mail Delivery Subsystem <MAILER-DAEMON@hpfcla.fc.hp.com>
Subject: Returned mail: Host unknown
Message-Id: <9009141705.AA05396@hpfcla.fc.hp.com>
```

To: <jle@hpfclg.fc.hp.com>
Status: R

```
   ----- Transcript of session follows -----
550 <BITLIB@UWO.CDN>... Host unknown

   ----- Unsent message follows -----
Received: from hpfcjle.fc.hp.com by hpfcla.fc.hp.com with SMTP
     (15.11.1.3/15.5+IOS 3.20) id AA05392; Fri, 14 Sep 90 11:05:54 mdt
Return-Path: <jle@hpfclg.fc.hp.com>
Received: by hpfclg.HP.COM; Fri, 14 Sep 90 11:09:32 mdt
Date: Fri, 14 Sep 90 11:09:32 mdt
From: Jer/ Eberhard <jle@hpfclg.fc.hp.com>
Full-Name: Jer/ Eberhard
Message-Id: <9009141709.AA18272@hpfclg.HP.COM>
To: BITLIB@UWO.CDN
Subject: MODS


sendme intro mods
sendme radio mods
sendme 2gat mods
sendme icom mods
sendme ft-411 mods

Thanks,

Jer/ Eberhard, (SLASH), HAM = N0FZD | Hewlett-Packard - MS99, 1UP10, 15' East
CAP SAR Pilot, COMM,INST,CFI-GLIDER | 3404 East Harmony Road  (303) 229-2861
UUCP:  hplabs!hpfcla!jle            | Fort Collins, Colorado  80525-9599
ARPA:  jle@hpfcla.fc.hp.com Jer_Eberhard@hpfcla.fc.hp.com
```

From 5244533598168544670
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b570899de9cb9a4d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 10:57:04 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!know!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpccc!hpcc01!hp-ptp!bmp
From: bmp@hp-ptp.HP.COM (Brian Perkin)
Newsgroups: rec.ham-radio
Subject: Re: Mag Mounts vs. Holes
Message-ID: <2700015@hp-ptp.HP.COM>
Date: 14 Sep 90 17:57:04 GMT
References: <5A090410322403D9-MTABWIDENER*DXANDY@widener>
Organization: HP Pacific Technology Park - Sunnyvale, Ca.
Lines: 42
Posted: Fri Sep 14 18:57:04 1990

I have Larson 2M and 220 glass mounts on the back window of
my Subaru, directly across defroster wires, strategically placed
to avoid the windshield wiper and low enough to get through my

low garage doors.

If you are pay excruciating attention to cleanliness and get the glass warm (blow dryer) and dry before mounting, you should be able to match my installation technique. My 220 has been on the car 2 1/2 years and the 2m for 2. The 2m was actually mounted first but turned out to be defective, something we discussed here a year back. Larson's advice was to place the mounting base straddling a defroster wire, so that maximum cancelling took place.

Practically speaking, I have never noticed effects from the defroster wires, but I do notice junk from the rear wiper motor, which could be fixed if it rained in California occasionally.

Watch out for subtle curves in the glass, if you cannot place the straight edge of a ruler flat in all directions on your chosen location, find another location. Adhesion will not be very good and moisture will get in.

Read instructions very carefully, when they say clean and warm, they mean it.

Finally, I got a chance to test how strong the mounts were through stupidity. I drove through what I thought was a police line of yellow plastic tape. It turned out to be 1/2 or 5/8 nylon rope. That rope went over the roof of my car, dropped down the back between the window and the element of the glass mounts, right near the base. It twisted both elements horribly together and then came unhooked. I stopped expecting to sweep up glass because of the terrible noise. The mounts remained attached to the glass and are still running today almost 2 years later. I do find I buy new elements every 18 months or so.

Brian Perkin
N6RSW

P.S. Everyone I have ever talked to has found the Larson elements to be too long. Expect to do some trimming, in the range of 4 or 5 inches on 2M. If you put the antennas close together, they will interact. That's another reason I bought new elements, but that's another story.

From 1571285380153358846
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bf72133b19106bdf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 11:07:32 PST
Path: gmdzi!unido!mcsun!uunet!samsung!know!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpccc!hpcc01!hp-ptp!bmp
From: bmp@hp-ptp.HP.COM (Brian Perkin)
Newsgroups: rec.ham-radio
Subject: Re: Info wanted on Kenwood RZ-1 receiver
Message-ID: <2700016@hp-ptp.HP.COM>
Date: 14 Sep 90 18:07:32 GMT

References: <29470@netnews.upenn.edu>
Organization: HP Pacific Technology Park - Sunnyvale, Ca.
Lines: 2
Posted: Fri Sep 14 19:07:32 1990

Monitoring Times, approximately December 1988. Check their index.

From -4928692539424429225
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 11:42:33 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Novice operating in old days, was Re: Heatkit to be sold?
Message-ID: <1250228@hpnmdla.HP.COM>
Date: 14 Sep 90 18:42:33 GMT
References: <108167@philabs.Philips.Com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 15
Posted: Fri Sep 14 19:42:33 1990

>I have a question: If novices were required to use crystals to generate the
>xmit freq, and assuming that you don't have a really big selection of
>frequencys (i.e. crystals), then how would you go about answering a CQ? If
>you are not on the same freq, then how would you expect the other guy to hear
>you? Keep answering, and wait for the other guy to eventually tune his radio
>and stumble on your answer?

Yeah, that's about right. The procedure was to call a LOOOONG CQ and then spend several minutes "tuning the band" looking for a response.

You got to know really well the other Novices who had crystals on the same frequencies as yours!

AL N1AL

From -6025815657586170744
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8a942d0e5e82c06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 11:45:35 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!aplcen!haven!ni.umd.edu!sayshell.umd.edu!louie
From: louie@sayshell.umd.edu (Louis A. Mamakos)
Newsgroups: rec.ham-radio
Subject: Re: POSTING PROGRAMS TO THIS NET

Message-ID: <1990Sep14.184535.5184@ni.umd.edu>
Date: 14 Sep 90 18:45:35 GMT
References: <18763@ucsd.Edu> <37388@unix.cis.pitt.edu> <930@gvlv2.GVL.Unisys.COM>
Sender: usenet@ni.umd.edu (USENET News System)
Organization: The University of Maryland, College Park
Lines: 15
Posted: Fri Sep 14 19:45:35 1990
Nntp-Posting-Host: sayshell.umd.edu

In article <930@gvlv2.GVL.Unisys.COM> ean@gvlv3.UUCP (Ed Naratil) writes:
>   OK - LET'S MAKE A rec.ham-radio.binaries !!

If you're going to be posting programs, why not post them in SOURCE form. That way others can learn from the code, and have a chance of running them on a multitude of different platforms.

You know, "software" homebrew..

Besides, with all of this virus crap running around, I wouldn't run a program that I didn't compile myself on MY computer..

louie
WA3YMH

From 5673091072128793390
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,511f88af49d77ec8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 11:57:14 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Swan 500 C & 10 meter antennae
Message-ID: <1250229@hpnmdla.HP.COM>
Date: 14 Sep 90 18:57:14 GMT
References: <1990Sep13.034846.30700@cunixf.cc.columbia.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 39
Posted: Fri Sep 14 19:57:14 1990

>A couple of years ago I bought a Swan 500C at a hamfest. It has been sitting
>on my desk since then, unused due to my lack of low band antennae, my fear of
>blowing it up (I've never tuned up an HF rig) and my abundant stock of other
>distractions.

...

> I could use some instructions on how to tune up my Swan 500C and B&W VS300A
> antenna tuner without causing damage to the rig or myself!

Point #1 is not to try to tune up a Swan 500 to its rated 500 Watts! They are driving the pants off the sweep tubes at that level. Most Swan 500 users limit themselves to about 350 Watts input, which should give you pretty close to the legal limit for Novice/Tech anyway (200 W output).

As I recall, the Swan 500 is a conventional PI-network output. The traditional tuning method is first to turn the plate loading control to minimum (counter clockwise). Now set the function switch to "TUNE" (or go to "CW" and press the code key, I forget how Swan does it) and increase the drive slightly until you get a small increase in plate current. IMMEDIATELY adjust the plate tuning control for a *DIP* in plate current. Never allow significant plate current to flow with the plate tuning misadjusted.

Now increase the drive control all the way and increase the plate loading control. The algorithm is to keep increasing plate loading (which increases plate current) while re-dipping the current with the plate tuning until you reach the desired input power level. (Input power = plate volts times plate amps.) Now decrease drive level until plate current just begins to drop.

On SSB, adjust mic gain (drive level) until the ALC meter reads slightly upscale on voice peaks.

73,

AL N1AL

From -2212712824443274330
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,94dfabab04d28eaa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 12:15:38 PST
Path: gmdzi!unido!mcsun!uunet!ingr!b11!herbster
From: herbster@b11.ingr.com (Joe Herbster)
Newsgroups: rec.ham-radio
Subject: Need part # please
Keywords: Xtal filter part numbers
Message-ID: <8728@b11.ingr.com>
Date: 14 Sep 90 19:15:38 GMT
Organization: Intergraph Corp. Huntsville, AL
Lines: 11
Posted: Fri Sep 14 20:15:38 1990

I am interested in obtaining a crystal filter for a homebrew IF project. I would prefer a 10.695MHz as used in the Kenwood

TR-751, TR-851, or the 16.3MHz or 16.9MHz used in other Kenwoods. I feel the simplest way to get one is to order one as a repair part from the manufacturer. The application is FM, and I would appreciate any info with Manufacturer, radio model number, and part number for the filter. Any make/model and frequency between 10 and 18MHz will do. Thanks in advance....KM4JN

(hint: its a DSP modulated DDS project).

From -8813947282740657082
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43ef5ccd366441fb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 12:34:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!CONSRT.ROK.COM!nix%muppet.decnet
From: nix%muppet.decnet@CONSRT.ROK.COM ("MUPPET::NIX")
Newsgroups: rec.ham-radio
Subject: Stepper Motor Information Requested
Message-ID: <9009141911.AA19945@ucsd.edu>
Date: 14 Sep 90 19:34:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Fri Sep 14 20:34:00 1990

I'd like to get some references on articles covering stepper motors, both how they work, and practical `how-to' information.

As of this time, here are the sources that I already know about:

Publication	Issue	Page	Comments
Sky & Telescope	May 1989	554	"Gleanings For ATM's"
Electronics World + Wireless World (`WW')	June 1990	527	"Circuit Ideas"

I'm hoping that someone will know about a series on stepper motors that's been run in one of the electronic magazines. References to readable books on the subject would also be appreciated.

If anyone cares to repond to this query, it would probably be better to send the information directly to me, so as not to clutter-up the Digest with information that's not of general interest.

Thanks,

Paul Nix (WB5AGF)   InterNet: nix%muppet.decnet@consrt.rok.com

From 3916966668514861340
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,952f532e3116cefd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 12:44:00 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!crackers!cpoint!frog!john
From: john@frog.UUCP (John Woods)
Newsgroups: rec.ham-radio
Subject: Re: what is homebrewing
Message-ID: <18878@frog.UUCP>
Date: 14 Sep 90 19:44:00 GMT
References: <9009042122.AA04390@tilde>
Organization: Misanthropes-R-Us
Lines: 72
Posted: Fri Sep 14 20:44:00 1990

In article <9009042122.AA04390@tilde>, dube@cpdvax.csc.ti.com writes:

> Subj: What's a Techie? (followup)
> Seriously, I do think that a good portion of the fun to be derived from
> Ham radio is in the building of equipment and the satisfaction that you
> can get it to work (even if it takes much "debugging").

Actually, I would guess that the nutshell qualification for homebrewing is that the project should require debugging (at least potentially, for those who actually get things right the first time). (Though we should exclude the complete incompetants who can't connect anything together, otherwise the folks who couldn't operate a split-VFO ricebox during the infamous Bouvet Island incident would be "homebrewers" :-).

For example, someone opined that just building a kit or a magazine project isn't really homebrewing. To some extent that is true, but frequently kits require some debugging as well, which requires you to actually try to understand what's going on in the circuit. I bought a QRP transceiver kit some time back which never worked quite right (VFO instability when transmitting), and I had to screw around with it for quite some time, trying different buffer amplifiers, shields, etc., before rendering it completely unusable :-S... A more "pure" example of homebrewing would be my current project; I built a 10MHz VFO (the 7MHz VFO from the QRP Notebook; I didn't change the circuit itself, but I had to derive the correct capacitor and inductor values, and discovered a couple of minor problems not discussed in the text). The first VFO turned out to be rather unstable when checked with a frequency counter; so I poured over all of my references, and listed a number of things that I seemed to have done wrong*, and built a second copy, which performed much better -- though still not good enough, so I will have a third go around (at least), this time with some notable changes in the circuit itself. Despite still not having a working VFO, I've learned a lot from it, (indeed, things I couldn't really learn from the references at hand [see below]) and that's the point.

* For example, I used a cheap double-sided PC board for the first one, and one reference says that having a ground plane like that will result in lots of uncontrollable temperature-sensitive capacitors (of course, another reference says that double-sided boards are fine for VFOs), and that you should

use fiberglass-epoxy; the second try used single-sided fiberglass.

I also had the VFO tank toroid lying down on the ground plane, and my books disagreed about whether or not the "self-shielding" capability of toroids went quite to such an extreme; the Mark II had the toroid vertical and well away from other components.

The most likely killer, however, was trusting Active Electronics "NP0" capacitors; they list the AVX part numbers that specify NP0 characteristics for some of their capacitors, but the circuit got a *lot* better when I used ceramic disks with the little black mark on top...

> I'm grateful
> that we have some airspace in which to do this, especially with trans-
> mitters that can put out more than 100 mw of power (up to 1.5 KW) right
> out of your own brain/junkbox/workbench!

Hey, what's wrong with 100mW? Didn't you see the fairly recent article in QST about QRP operation, where they talked with one guy who is working on WAS with a 50mW rig? And who once used a 400x (CMOS inverter, whatever the number is) as his oscillator and "P"A? [Take this complaint with a small grain of salt, of course; there is obviously room for KW rigs in the homebrewing world]

> I'm with Myron: Homebrewing is building something, not connecting
> store-bought stuff together.

To which I might add: Homebrewing is being surprised.

> 73,   Dube   N5PDK
>

"dit dit"

John WB7EEL
--
John Woods, Charles River Data Systems, Framingham MA, (508) 626-1101
...!decvax!frog!john, john@frog.UUCP, ...!mit-eddie!jfw, jfw@eddie.mit.edu

---

From -4884626476606924732
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6d89ea21e06fd8c9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 13:00:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!SACEMNET.AF.MIL!lwrclmr
From: lwrclmr@SACEMNET.AF.MIL ("LWRCLMR")
Newsgroups: rec.ham-radio
Subject: Cable TV distribution
Message-ID: <9009142011.AA23938@ucsd.edu>
Date: 14 Sep 90 20:00:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 35
Posted: Fri Sep 14 21:00:00 1990

RE: local Channels in your cable TV system for ham use.

I have seen similar things done. Several options apply.

1. Using a VCR output, the composite video was added to the system through the same type of splitter that one would use to hooke one cable to two TVs. I have seen some back feed from this into the system, so you may want to put an amplifier before the splitter/combiner to prevent unwanted viewers.
We used this system in Alaska in a dormitory to have our own 'blue' channel.
(This will only work if channel three or four is not in use already).

2. Buy or build your own modulator for the channel of your choice, preferably one not used by the existing system. Use a combining amplifier to add the channels together.

Depending on how much you want to spend, you can get real extravagant with this. Commercial notch filters are available which will completely remove an existing channel, such as a scrambled pay channel you do not subscribe to. you can then add your channel over it. Modulators are expensive. We have two of them in a local application which take either seperate or composite video/audio inputs and provide an output on any cable or broadcast channel. They ran about $800.00 each.

I have seen one ham application in use where the individual used a VCR and fed the output of a Commodore 64 into the video in for packet and his scanner output into the audio jacks. He then hooked it through a radio shack splitter to his cable system. This allowed him to record up to 8 hours of scanner/packet, plus view it and hear it on a small b/w TV in his living room.
This worked quite well. In fact, I plan to do something similar in my house.

Good luck.

73,
Michael
WA7SKG

From -6749829322728803417
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f250e87e331ee16
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 13:07:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!crackers!cpoint!frog!john
From: john@frog.UUCP (John Woods)
Newsgroups: rec.ham-radio
Subject: Re: canecdote: those ubiquitous cans
Message-ID: <18879@frog.UUCP>
Date: 14 Sep 90 20:07:00 GMT
References: <1767@yenta.alb.nm.us> <7880270@hpfcdc.HP.COM>
Organization: Misanthropes-R-Us
Lines: 16
Posted: Fri Sep 14 21:07:00 1990

In article <7880270@hpfcdc.HP.COM>, perry@hpfcdc.HP.COM (Perry Scott) writes:
> In his _QRP Notebook_, Doug DeMaw endorses the use of cans, saying that
> the make a great chassis. How many Olde Farts out there remember the
> Herring Aid, crafted from a sardine can ?
>
You mean the "Herring Aid 5", successor and companion to the "Tuna Tin 2"!
Yes, not only do I remember these, I even built them! And neither one
worked right! :-((Gee, maybe I should try again, now that I almost know
what I'm doing...;-)

(The Herring Aid 5, for those who don't remember it, was a 5-transistor
receiver for 7MHz, a companion to the 2-transistor transmitter, the Tuna Tin
2)
--
John Woods, Charles River Data Systems, Framingham MA, (508) 626-1101
...!decvax!frog!john, john@frog.UUCP, ...!mit-eddie!jfw, jfw@eddie.mit.edu

From -3310067113188017 87
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 13:07:11 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ogicse!plains!enders
From: enders@plains.NoDak.edu (WD0BCI)
Newsgroups: rec.ham-radio
Subject: Re: Novice operating in old days, was Re: Heatkit to be sold?
Message-ID: <5882@plains.NoDak.edu>
Date: 14 Sep 90 20:07:11 GMT
References: <1250226@hpnmdla.HP.COM> <108167@philabs.Philips.Com>
<4436@optilink.UUCP>
Organization: North Dakota State University, Fargo
Lines: 29
Posted: Fri Sep 14 21:07:11 1990

In article <4436@optilink.UUCP> elliott@optilink.UUCP (Paul Elliott x225) writes:
>In article <108167@philabs.Philips.Com>, rfc@briar.Philips.Com (Robert Casey)
writes:
[stuff deleted]
>
>> [...] Is 3.579545Mhz in the novice band? [...]
>> That freq would be a very common crystal, as it is the
>> TV color info subcarrier. If it is, then that might be a contact freq.
>
>Yeah, its in the novice 80M band.

NO! NO! NO!!! The 80 meter novice band is from 3.7 to 3.75 MHz. Don't
try this at home kids!! (besides, the noise is *terrible*!!!, and you'll
give the neighbors a bad case of TVI).

>
>-Paul, wb6cxc

>

===

Todd Enders - WD0BCI   ARPA: enders@plains.nodak.edu
Computer Center   UUCP: ...!uunet!plains!enders
Minot State University   or: ...!hplabs!hp-lsd!plains!enders
Minot, ND 58701   Bitnet: enders@plains

     "The present would be full of all possible futures,
      if the past had not already projected a pattern upon it" - Andre' Gide

===

From -1726918147213342482
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 13:18:08 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpda!hpcupt1!hprnd!hprmokg!barry
From: barry@hprmokg.HP.COM (Barry Fowler)
Newsgroups: rec.ham-radio
Subject: Re: Novice operating in old days, was Re: Heatkit to be sold?
Message-ID: <29490020@hprmokg.HP.COM>
Date: 14 Sep 90 20:18:08 GMT
References: <108167@philabs.Philips.Com>
Organization: HP Networked Computer Mfg. Operation
Lines: 8
Posted: Fri Sep 14 21:18:08 1990

I'm one of those previously rock bound old farts (37 yrs old type).

When I called CQ, I used to tune around my xmit freq. a few hundred cycles or so. I only answered CQs if I had a crystal very close to the transmitting frequency.

Most novices I knew had a good supply of crystals and a VFO shoved off somewhere in the shack..... but then, that's another argument.

From 1933301297880276186
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,39a5ce03c086cf0b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 15:20:07 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!cs.utexas.edu!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: BARF and the FCC
Message-ID: <4536@qip.UUCP>

Date: 14 Sep 90 22:20:07 GMT
References: <220@ssc.UUCP> <10685.26f0a857@ecs.umass.edu>
Reply-To: john@qip.UUCP (John Moore)
Organization: Anasazi Inc, Phoenix AZ
Lines: 25
Posted: Fri Sep 14 23:20:07 1990

In article <10685.26f0a857@ecs.umass.edu> scott@ecs.umass.edu writes:
]
]   To make sure whether or not this was a real $1000 fine, and not just
]a show cause order, I called the FCC office in Boston and was told this was
]a fine. I was afraid they were going to be able to argue their way out by
]writing letters, etc. and carrying on with the FCC. No such luck, boys.
]Pay up! Grow up! And shut up! Its about time the FCC did something.
]These guys have been an international disgrace to this country for a long time.

Just because they got an NAL doesn't mean they have to pay it. They can
challenge it in administrative law court, and ultimately appeal to
the US courts. Of course, at this point there's not much way out
other than something that will cost.

However, I have seen an NAL thrown out just from some jawboning, so
it still isn't final.

I do hope they get the bastards, anyway.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From 8748238577428989554
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1adc61883bd05e11,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 15:46:51 PST
Path: gmdzi!unido!mcsun!uunet!know!cs.utexas.edu!oakhill!roman
From: roman@oakhill.UUCP (Roman Robles)
Newsgroups: rec.ham-radio
Subject: KENWOOD TH-27
Message-ID: <3828@jethro.oakhill.UUCP>
Date: 14 Sep 90 22:46:51 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 10
Posted: Fri Sep 14 23:46:51 1990

can anyone tell me if the KENWOOD TH-27 that will be sold
in the U.S. will be the same as the TH-F27? I have seen a
book which shows two *very* simple mod.s to get the TH-F27

to XMIT from 136-174 MHz and RCV 118-174 *and* 290-400MHz.
The RCV 118-136 and 290-400 was shown as AM. This radio
looks like the one I've been waiting for...it would be nice
for air shows, etc. Now, can anyone tell me if this is all
true? If not, does anybody have any recommendations?
Thanks in advance.

From 7840608368621351467
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,39a5ce03c086cf0b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 16:04:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: BARF and the FCC
Message-ID: <2947@wyse.wyse.com>
Date: 14 Sep 90 23:04:32 GMT
References: <220@ssc.UUCP> <10685.26f0a857@ecs.umass.edu>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 17
Posted: Sat Sep 15 00:04:32 1990

In article <10685.26f0a857@ecs.umass.edu> scott@ecs.umass.edu writes:
>To make sure whether or not this was a real $1000 fine, and not just
>a show cause order, I called the FCC office in Boston and was told this was
>a fine. I was afraid they were going to be able to argue their way out by
>writing letters, etc. and carrying on with the FCC. No such luck, boys.
>Pay up! Grow up! And shut up! Its about time the FCC did something.
>These guys have been an international disgrace to this country for a long time.

Just as an added extra comment, my understanding of how FCC works is
as follows. The FCC will not publicize someone receiving a Show Cause Notice.
(commonly called a pink slip ;-) Once the individual receiving the
pink slip doesn't respond or continues along their merry way THEN
they receive the forfeiture. This is when the information will finally
become public knowledge, i.e. if you find out about the forfeiture
it means a real fine.

73's de Steve KA6S

From 4064935793617398116
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b9a2c4581b9b1dc1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 18:50:05 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!hplabs!
hpl-opus!hpccc!hpcc01!col!bobw
From: bobw@col.hp.com (Bob Witte)

Newsgroups: rec.ham-radio
Subject: Anyone ever operate in JA land?
Message-ID: <27080008@col.hp.com>
Date: 15 Sep 90 01:50:05 GMT
Organization: HP Colorado Springs Division
Lines: 17
Posted: Sat Sep 15 02:50:05 1990

There is a good chance I will be in Japan early next year on business.
I have the ARRL info on amateur radio operation in Japan. Has anyone
on the net actually operated there? I would appreciate first hand
information on operating 2M and other bands in Japan.

E-mail responses to me.

Bob

```
--------------------------------------------------------------------
Bob Witte              HP Colorado Springs Division
bobw@col.hp.com        P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO  80901
Radio: KB0CY
"Life is like an analogy."
--------------------------------------------------------------------
```

From 7164797108833893589
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd8b5bf2fdd8bce8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 19:27:48 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!agate!linus!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Alinco DJ500 mod file
Keywords: mod file
Message-ID: <108238@philabs.Philips.Com>
Date: 15 Sep 90 02:27:48 GMT
Sender: news@philabs.Philips.Com
Lines: 76
Posted: Sat Sep 15 03:27:48 1990

copied from packet:
From: n2kzh@kb1bd.nj.usa.na (Bryan Todd)

THIS MOD IS FOR THE ALINCO DJ-500T, IF YOU HAVE LITTLE OR NO SOLDERING
EXPERIENCE DO NOT !!! REPEAT DO NOT TRY THIS MOD ON YOUR RADIO. IT IS
NECESSARY TO REMOVE A CHIP RESISTOR FROM THE CPU BOARD.

```
TOOLS YOU WILL NEED: # 0 PHILLIPS SCREWDRIVER
              25 WATT SOLDERING PENCIL,
                     EXACTO KNIFE.
```

I RECEIVED A SCHEMATIC AND BOARD LAYOUT FROM ALINCO FREE. PHONE 1-213-618-8616. OR SEND A SASE TO ME AT : BRYAN TODD 318 ALDRICH ROAD HOWELL, NJ 07731 AND I WILL SEND YOU A COPY OF THE BOARD LAYOUT.

1. REMOVE THE BATTERY PACK
2. REMOVE 3 SCREWS FROM THE BACK OF THE RADIO
3. REMOVE 2 SCREWS FROM THE BOTTOM (FRONT PANEL SIDE)
4. SPLIT THE CASE CAREFULLY.
5. PUT THE RADIO FACE DOWN ON THE TABLE WITH THE TOP AWAY FROM YOU. THE SPEAKER AT THE BOTTOM.
6. FIND THE "D" SHAPED GOLD PADS UNDER THE SPEAKER ON THE RIGHT SIDE OF BOARD.
7. THE CHIP RESISTOR IS TWO PADS UP FROM THE "D" SHAPED ONES. THE NEXT STEPS CAN CAUSE GREAT ILLNESS TO THE RADIO !!!!!
8. VERY CAREFULLY HEAT ONE END OF THE CHIP AND PRY WITH KNIFE.
9. THEN HEAT THE OTHER END AND REPEAT UNTIL RESISTOR IS OFF THE BOARD.
10. HOLD THE BATTERY PACK IN CONTACT WITH BOTTOM OF RADIO, TURN ON RADIO, PRESS THE RESET BUTTON WITH TOOTHPICK (HOLE UNDER PTT SWITCH).
11. CHECK THAT YOU HAVE THE NEW FREQUENCIES THEN REASSEMBLE THE RADIO.

YOU CAN NOW PROGRAM
130.00 MHz TO 169.995 MHz
340.00 MHZ TO 379.995 MHz
420.00 MHz TO 469.995 MHz
870.00 MHz TO 899.995 MHz

WARNING !!!!!!! TRANSMITTING OUT OF THE HAM BANDS IS ILLEGAL !!!!!!!

SINCE YOU HAVE THE SOLDERING IRON HOT YOU CAN BUILD A NICE ACCESSORY. REMOTE MICROPHONE AND SPEAKER.

TO MAKE A CABLE YOU HAVE TO BUY:
1/8" STEREO PLUG "RS #274-284"
1/8" TO 3/32" STEREO ADAPTER "RS # 274-373"
10 K OHM 1/4 WATT RESISTOR "RS # 271-1335"
10 MICROFARAD 35 VOLT CAP "RS # 272-1013"
MATE PLUG FOR YOUR SPARE MICROPHONE.
PLASTIC MINI BOX.

I MADE ONE WITH A 8 PIN STANDARD MIC PLUG SO I CAN USE MY SPARE HAND MIC IN THE CAR WITH A 6" SPEAKER.

SPEAKER MIC CONNECTIONS:

SHELL	GROUND
TIP	REC AUDIO
RING	PTT & AUDIO IN.

CONNECT SHIELD, PTT COMMON AND SPEAKER COMMON TO THE SHELL. CONNECT SPEAKER PLUS TO THE TIP. CONNECT A 10K OHM RESISTOR AND 10 MICROFARAD CAP TO THE RING. CONNECT THE PTT SWITCH BETWEEN THE SHELL AND THE 10K RESISTOR. CONNECT THE MIC PLUS TO THE 10 MICROFARAD CAP. NOW YOU CAN

USE A REAL SPEAKER AND REAL MICROPHONE. THAT WILL ALSO WORK FOR PACKET
BUT USE A .1 MICROFARAD CAP NOT 10 MF....

```
   |_____| SHELL
     | |

     | |  ring

      V   tip
```

WELL THATS ALL FOLKS......... 73'S FROM BRYAN (N2KZH)

Note: I haven't tried or verified this, proceed at your own risk. WA2ISE

From 6638660242196838071
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 19:37:09 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: Novice operating in old days, was Re: Heatkit to be sold?
Message-ID: <27122@usc.edu>
Date: 15 Sep 90 02:37:09 GMT
References: <1250226@hpnmdla.HP.COM> <2523@naucse.cse.nau.edu>
<108167@philabs.Philips.Com>
Sender: news@usc.edu
Organization: EE-Systems, USC, Los Angeles
Lines: 14
Posted: Sat Sep 15 03:37:09 1990
Nntp-Posting-Host: pollux.usc.edu

In article <108167@philabs.Philips.Com> rfc@briar.philips.com.UUCP (Robert Casey)
writes:
>I have a question: If novices were required to use crystals to generate the
>xmit freq, and assuming that you don't have a really big selection of
>frequencys (i.e. crystals), then how would you go about answering a CQ?

I am a "Younge Pharte", but ...

back in those good old days, it was common to listen to wider and wider
chunks of spectrum for replies to your CQ, until you in fact were
listening to the entire novice band. After listening to the entire
novice band, and not hearing any replies, you would call CQ again.

--
Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From -1581358903653071465
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,d04ae5484a8f6a7a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 19:49:23 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!think.com!sdd.hp.com!decwrl!public!rah
From: rah@public.BTR.COM (Richard A Hyde rah@btr.com)
Newsgroups: rec.ham-radio
Subject: Re: marine/aviation/2m ham HT
Message-ID: <396@public.BTR.COM>
Date: 15 Sep 90 02:49:23 GMT
References: <370@public.BTR.COM> <383@public.BTR.COM> <1349@eastman.UUCP>
Organization: BTR Public Access UNIX, MtnView CA, Contact: cs@btr.com 415-966-1429
Lines: 24
Posted: Sat Sep 15 03:49:23 1990

To all my net-elmers, Thanks! I passed my novice exams!

I dropped in to a local code class to introduce myself and spend some time studying with like minded people rather than staring at a computer speaker.

At the end of class, some folks were taking their exam and the rest of us were invited to take it for training. When all was said and done, I had passed with the highest sequential number of characters (183) of anyone taking the test!

The novice written went much the same way, although I missed 8 questions. 9 would have failed me. Since I hadn't studied, I was surprised and pleased.

I'm sure I did as well as I did only because of the invaluable information your folks are constantly posting. Thank you again!!

I'll take the technician written in two weeks.. and then off shopping while I wait for the Feds... I'd like to ask for advise on HTs for emergency service when I get a better handle on what that requires.

Regards,

-Rick-

From -1290546771234487763
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fbc2f090d8937b6e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 19:59:15 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: "Long Distance" CPO (Code Practice Oscillator)
Message-ID: <27123@usc.edu>
Date: 15 Sep 90 02:59:15 GMT
References: <4345@optilink.UUCP> <2111@esunix.UUCP> <4439@optilink.UUCP>

Sender: news@usc.edu
Organization: EE-Systems, USC, Los Angeles
Lines: 11
Posted: Sat Sep 15 03:59:15 1990
Nntp-Posting-Host: pollux.usc.edu

In article <4439@optilink.UUCP> elliott@optilink.UUCP (Paul Elliott x225) writes:
>Speaking of "single wire coax", does anybody remember

In one of my (British) books on microwave stuff, there is a description
of how to do it. I don't remember any good mathematical and/or
electro-magnetic descriptions of how it works, or it's performance, or
any other such thing. Unfortunately, my microwave stuff is in Detroit,
and I am in Los Angeles. Sorry ...

--
Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

---

From 5917832079373153190
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db36cef13aa2ef69,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 22:16:46 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!noose.ecn.purdue.edu!iuvax!news!
cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: POSTING PROGRAMS TO THIS NET
Message-ID: <150.26F16507@w8grt.fidonet.org>
Date: 15 Sep 90 05:16:46 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 26
Posted: Sat Sep 15 06:16:46 1990

 > From: cep@cci632.UUCP (co-op)
 > Date: 13 Sep 90 20:51:30 GMT
 > Organization: CCI, Communications Systems Division, Rochester, NY
 > Message-ID: <39902@cci632.UUCP>
 > Newsgroups: rec.ham-radio
 >
 > In article <930@gvlv2.GVL.Unisys.COM> ean@gvlv3.UUCP (Ed Naratil)
 > writes:
 > >   OK - LET'S MAKE A rec.ham-radio.binaries !!
 >
 >
 > How about rec.ham-radio.software -- I think that would be more
 > appropriate,

That sounds more like a newsgroup ABOUT software. Let's stick with a
traditional rec.radio.ham.bin.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ___________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"


From -3835122482364280608
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 22:16:46 PST
Path: gmdzi!unido!mcsun!uunet!samsung!noose.ecn.purdue.edu!iuvax!news!cartan!
ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Novice operating in old days, was Re: Heatkit to be sold?
Message-ID: <149.26F15120@w8grt.fidonet.org>
Date: 15 Sep 90 05:16:46 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 49
Posted: Sat Sep 15 06:16:46 1990


 > From: rfc@briar.Philips.Com (Robert Casey)
 > Date: 13 Sep 90 15:27:34 GMT
 > Organization: Philips Laboratories, Briarcliff Manor, NY
 > Message-ID: <108167@philabs.Philips.Com>
 > Newsgroups: rec.ham-radio
 >
 > In article <2523@naucse.cse.nau.edu> rrw@naucse.cse.nau.edu (Robert
 > Wier) writes:
 > > I too am very nostalgic for Heathkit.  My first amateur rig
 > > was an HW-16 code only rig.  Was a big deal when the regs
 > > changed from being rockbound to being able to use a VFO.  I
 > > immediately bought the VFO (was it $75?), and had great fun
 > > since I COULD ACTUALLY TRANSMIT ON THE SAME FREQ AS THE OTHER
 > > GUY WAS SENDING! WOW!
 >
 > I have a question: If novices were required to use crystals to generate
 > the
 > xmit freq, and assuming that you don't have a really big selection of
 > frequencys (i.e. crystals), then how would you go about answering a CQ?
 > If
 > you are not on the same freq, then how would you expect the other guy to
 > hear
 > you?  Keep answering, and wait for the other guy to eventually tune his
 > radio
 > and stumble on your answer?  Seems that would take a long time before
 > you
```

 > connect.

Until after World War II, when precision military surplus components made variable frequency oscillators economical, the majority of operation by amateurs of all classes was crystal controlled. It was the universally acepted practice during non-net operations to tune around for answers to your CQs. Often, to make it easier, the calling station indicated where he was tuning ("here to 3600", "plus or minus 10". etc. All abbreviated. of course.).

Incidentally, the term precision components is no misnomer. The old "Command Set" radios out of B17 bombers actually had jeweled bearings in the VFO capacitors.

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  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From -6130055952174370600
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a836d228c5e10c33
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-15 06:49:03 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: IC-735 vs FT-757GXII vs TS-440/S/AT
Message-ID: <1318@ke4zv.UUCP>
Date: 15 Sep 90 13:49:03 GMT
References: <1990Sep13.173750.24023@xanadu.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 136
Posted: Sat Sep 15 14:49:03 1990

In article <1990Sep13.173750.24023@xanadu.com> jeff@amix.com (Jeff Crilly N6ZFX) writes:
>Tried to email twice; I think it should have gone; Oh well I'll post
>so OE1CDS can get some of your comments on my comments. (Time to
>debug mail again.)
>
>In article <246@eliza.edvvie.at> OE1CDS writes:
>>Has anyone experience with the ICOM IC-735? I am new lis and want to
>>buy a shortwave transceiver. Other alternatives would be the FT-757, or
>>the TS-440.
>>

>>tnx es 73
>>oe1cds
>>--
>>This does not reflect the | Christian Dworak
>>opinions of my employer. | USENET: dworak@edvvie.at
>>I am busy enough by talking |
>>about my own ... | EDVG Vienna/Europe - Tel (+43 222) 59907 238
>
>I recently bought a TS-440/S with the auto antenna tuner. I also considered
>the ICOM IC-735 and the FT-757. I thought the 440 was better than those
>two. I really wanted to get either the FT-757 or one of the ICOMs (735 or
>725/726) but felt that the kenwood had more features:
>
>100 memories (I use memories alot; I've already used 10 which is the alotment
>you get on the yaesu);

The 735 has 12 memory channels, but I don't use memories much in my style
of operating.

>
>RIT/XIT display (the others have RIT but no display;
>I didn't like the way ICOMs RIT worked, same goes for the CLARifier on
>the yaesu); (Do the ICOMS have SPLIT operation? Does the RIT
>vary more than 1 or 1.5 khz? RIT would be useful for SPLIT if
>it varies enough. The 440 does SPLIT using 2 vfos. Its not possible
>to work SPLIT [with freqs more that 1.2 khz apart] just using RIT with
>the 440.)
>

The RIT control on the 735 is plus or minus 800 hz with no display
indication. The 735 allows split operation between VFO A and VFO B.
Since the VFOs also store mode options, you can work crossmode as
well as crossband. A second press of the SPLIT switch puts you in
reverse split.

>The 735's controls for mic gain/VOX control were under the little front
>panel door which I found difficult to get too;
>
>However, the 440 has the vox controls on the rear, which is not good,
>it is o.k. because I don't use VOX that much;

I removed the little plastic door on the 735 the first day. It serves no
purpose and can drop open when running mobile in the Jeep.

>I wanted 10 hz freq readout which you get on the 440 after snipping a diode;
>
>I think ICOM has this but was told that the yaesu doesn't;

The 735 does not have the 10 hz digit available on the display. The mode
indicators occupy that position...pity.

>When changing modes on the yaesu you have to cycle through
>usb->lsb->cw->am->fm->back to usb....which means if you want to go from

>cw to usb you have to go through fm which generates alot of noise in the
>speaker;

The 735 has individual switches for each mode. That's nice, I hate the
Yaesu system too.

>The tuning feel of the yaesu and the ICOM is better than the kenwood; sometimes
>I think the kenwood does not have enough revolutions per kilohertz; what I
>mean is that for a very small change in the dial you get a change of about
>200 to 300 khz. I know of no way to change this. On the Icom and yaesu
>when you turn the dial slowly it only changes about 50 to 100 khz.

Yeah this is a major plus of the 735. The tuning rate varies with the speed
that you turn the knob. Also you can adjust the drag on the knob to suit
your taste. I set it tight for mobile and loosen it up for base use. Very nice.

>With the 440 you can get a 1.8 khz wide SSB filter which I find essential
>for working 20 meters. I don't think this is available on yaesu or
>the ICOM 735/725/726.

Optional filters are available for the 735. I have the 1.8 khz SSB filter
and the 500 hz CW filter in mine.

>The kenwood has AFSK ports which I use for RTTY, AMTOR, and PACKET.
>I think that you have to use the microphone jack on the ICOM; the
>yaesu may have an AFSK port, I am not sure.

The 735 has a connector called ACC1 which has PTT, audio in, audio out,
squelch status (goes low when squelch opens), 13.8 volt power, ground,
and ALC in. The manual recomends connecting AFSK equipment here, though
you can use the mike and speaker jacks if you wish.

Also on the rear panel are the beloved transverter jacks and the external
receive antenna jack.

>Of course the 440 is about US$ 100 more than the ICOM or yaesu. The
>auto antenna tuner is another $200.

Icom offers the AT150 autotuner as a standalone box and the superior
AH1 which places the tuner at the antenna where it belongs. The coax
line is always flat. This thing is expensive, but it is done right.
Me, I use a cheap MFJ901 for portable and a Dentron MT3000A for base
because I like twiddling knobs. My Drake twins had real TUNE and LOAD
controls built in....pity they disapeared on the new rigs.

>I had a small problem with my 440: It made a very faint clicking noise
>when turning the main tuning knob. It turned out that the optical
>encoder had a small mechanical problem with it. Kenwood is sending me
>a new optical encoder at no charge, but in the meantime I was able to
>fix the instlled one.

No problems, yet, with the 735.

>There is a new radio from ten-tec called the Delta-II. It is a 100 watt
>(maybe 150 or 200 watts, I don't recall) HF transceiver with 100khz to
>30 mhz receive. I don't know what the price is but I think it should be
>around US$1000. The nice feature about it is that it has a countinously
>variable width filter. I think this is a good feature in a $1000 radio.
>I wish I had it in the kenwood. The Delta-II is supposed to be available
>in november. If the price was right and available today, I might get
>one.

The Delta-II is supposed to sell for around $1300. The 735 has passband
tuning and is as quiet as a TEN-TEC Corsair.

>Jeff Crilly (N6ZFX)
>AMIX Corporation 2345 Yale Street Palo Alto, CA 94306
>jeff@amix.com, {uunet,sun}!markets!jeff
>N6ZFX @ N6IIU

Gary KE4ZV

PS No I don't get a commission from Icom. :-)

From -5146862682152468527
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-15 06:56:52 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Novice operating in old days, was Re: Heatkit to be sold?
Message-ID: <1319@ke4zv.UUCP>
Date: 15 Sep 90 13:56:52 GMT
References: <122.26E9904B@w8grt.fidonet.org> <1250226@hpnmdla.HP.COM>
<2523@naucse.cse.nau.edu> <108167@philabs.Philips.Com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 32
Posted: Sat Sep 15 14:56:52 1990

In article <108167@philabs.Philips.Com> rfc@briar.philips.com.UUCP (Robert Casey)
writes:
>In article <2523@naucse.cse.nau.edu> rrw@naucse.cse.nau.edu (Robert Wier) writes:
>> I too am very nostalgic for Heathkit. My first amateur rig
>> was an HW-16 code only rig. Was a big deal when the regs
>> changed from being rockbound to being able to use a VFO. I
>> immediately bought the VFO (was it $75?), and had great fun
>> since I COULD ACTUALLY TRANSMIT ON THE SAME FREQ AS THE OTHER
>> GUY WAS SENDING! WOW!
>
>I have a question: If novices were required to use crystals to generate the
>xmit freq, and assuming that you don't have a really big selection of
>frequencys (i.e. crystals), then how would you go about answering a CQ? If

>you are not on the same freq, then how would you expect the other guy to hear
>you? Keep answering, and wait for the other guy to eventually tune his radio
>and stumble on your answer? Seems that would take a long time before you
>connect. Or was there an agreed on contact frequency, that everyone would buy
>crystals for? Then you tell each other what freqs you have xtals for, and
>move there? Is 3.579545Mhz in the novice band? (I don't have the allocations
>memorized or handy). That freq would be a very common crystal, as it is the
>color TV color info subcarrier. If it is, then that might be a contact freq.
>
>73 de WA2ISE

3.58 Mhz is not in ANY ham band, thank goodness, or there would be incredible TVI problems. The standard procedure in rockbound days was to send looong CQs and looong answers with the entire novice band being tuned for replies after each CQ. Needless to say, split operation was the order of the day, tying up two frequencies for one QSO. Tuner-uppers were a constant problem and often you would turn over and find that another QSO had started on the transmit frequency of your contact.

Gary KE4ZV (ex WN4OAA)

From -8588596487146199755
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,21f778282366797e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-15 08:50:24 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!swrinde!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Reply Comments from W3XO
Message-ID: <1320@ke4zv.UUCP>
Date: 15 Sep 90 15:50:24 GMT
References: <9009141302.AA06914@cmr.ncsl.nist.gov>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 176
Posted: Sat Sep 15 16:50:24 1990

Excerpts from and comments on W3XO's commission filing:

>   Before the
>   FEDERAL COMMUNICATIONS COMMISSION
>   Washington, DC 20554
>
>   PR Docket No. 90-55
>
>In the Matter of
>Amendment of Part 97 of the   )
>Commission's Rules Concerning   )
>the Establishment of a Code-free)
>Class of Amateur Radio License   )

>
> REPLY COMMENTS
> Submitted by
> William A. Tynan W3XO
> HCR 5 Box 574-336
> Kerrville, TX
>

>5. If the Commission sees fit to follow the advice of those who have
> recommended that codefree licensees be given privileges on 6 an/or
> 2 meters; institute new rules to limit 50.1 to 50.5, 144.1 to 144.5
> and 145.8 to 146.0 MHz to narrowband modes such as SSB, CW and AM
> (same bandwidth restrictions as are in place for the HF bands),
> retaining the existing CW limitation from 50.0 to 50.1 and 144.0
> to 144.1. (The writer believes that such a provision is needed
> whether or not codefree licensees are given access to 6 and 2
> meters, and is presently preparing a petition for rulemaking on the
> matter.)

Narrow band modes are not necessarily the best way to work weak signals.
witness the ability to copy spread spectrum signals below the noise
floor. Closing this spectrum to weak signal techniques other than CW,
SSB, and AM(!) would be a mistake we could live to regret in the future.
Restricting ineffient modes such as conventional FM and AM from this spectrum,
might be acceptable.

>I am aware of the comments filed by the American Radio Relay League and
>generally support them, especially in their reaffirmation of their
>recommendation that codefree license privileges begin at 220 MHz. I do
>not, however, support their acceptance of the name "Communicator" (their
>original proposal), for the reasons outlined in my comments filed on
>this docket. I also do not see a reason for a power limitation of 200
>Watts. If the examination is comprehensive, as I have urged, there
>should be no valid reason to limit the power of codefree licensees to
>anything other than that available to higher class licensees on the same
>bands. If, on the other hand, the Commission determines that a
>comprehensive examination cannot be designed, then I submit that
>codefree licensees should be limited to 10 Watts. Under that
>eventuality, the name "Communicator" is probably appropriate.

I agree with everything said here except the limitation to 220 and
above. Everyone on this forum should be familiar with my rejection
of ghettoization.

>The comments of Phil Karn KA9Q, although inaccurate and incomplete, are
>interesting. Despite his many valuable contributions to Amateur Radio
>and his possession of an Extra Class license, I must conclude that Mr.
>Karn doesn't understand the hobby - beyond his own narrow area of
>interest. In his third paragraph, he state; "Code proficiency is no
>more relevant to operation on the 50 and 144 MHz bands than it is on the
>frequencies above 220 MHz". I might agree with this statement, if he
>means that code proficiency IS valuable on the bands above 220 MHz.
>But, I don't believe that this is his intended message. The entire

>thrust of his comments is that code is no longer needed in Amateur Radio
>- not just on VHF. He blames only ITU regulations for retaining a code
>requirement for operation on the HF bands - and there proposes to lower
>the requirement to 5 words per minute. I am convinced that he intends
>to work for the elimination of the ITU requirement, as well as any code
>sub-bands on HF. The tenor of his entire submission is anti-code in
>general, not merely pro codefree license. Mr. Karn is either unaware
>of, or doesn't care about the many who use code regularly on the VHF and

^^^^

a few hundred active mainly during contests.

>UHF bands. Being associated with AMSAT, including being a member of its
>Board, he must be aware of the important role code plays in operation
>via the amateur satellites. Indeed, the way many get started on the
>satellites is through code. It provides a way to construct a simple,
>inexpensive station, capable of satellite operation. SSB or data
>communication on the satellites, usually entails the use of expensive
>commercial equipment.   In fact; it is interesting to note that Mr.

To put the expense argument in perspective, only about $200 separates a CW satellite station from an SSB satellite station. The transverters don't care, only the amplifier needs to be linear. You need a good SSB quality receive setup in any case.

>Karn, despite his close and valuable association with AMSAT, makes only
>passing reference to satellites. Other VHF/UHF applications of code,
>the existence of which Mr. Karn ignores, include long haul tropo and
>moonbounce communication. My long years of experience on the bands
>above 30 MHz have taught me that code is particularly valuable. Many of
>the countries I have worked on 6 meters (101 at current count), I could
>have only worked using code. If anything, the use of code is even more
>necessary on the UHF and microwave bands than on the lower VHF bands.
>On at least one occasion, I have been frustrated in not being able to
>work a low power station on 1296 MHz about 120 miles away, because his
>station was not set up for CW operation. I am convinced that codefree

We're all certainly sorry that W3XO was "frustrated", but a codefree licensee could equally claim to be "frustrated" because W3XO doesn't employ DSP techniques. If you want to play the DX game then you must be prepared to meet the DX on his own terms.

Forcing ALL amateurs to know code so that YOU can work them using code is an incredibly selfish attitude.

>licensees will certainly be at a disadvantage on any bands they occupy,
>unless they are satisfied to limit their activities to relatively short
>haul voice and data modes, generally based on the use of FM.

If this were true, which it isn't, then THEIR limitation is THEIR choice and shouldn't concern you. Fortunately, techniques for weak signal work which have been repeatedly demonstrated to be superior to make and break keying in the space and military sectors are becoming available to the average amateur at reasonable costs.

>Another, who does not appear to understand what really goes on on the
>bands above 50MHz is Brian Kantor. He begins his argument for granting
>codefree licensee use of all bands above 30 MHz with the premise "Since
>Morse code is rarely used in VHF and UHF communications..." Surely,
>basing a position on such an erroneous argument should be grounds for
>ignoring the remainder of his comments. Nevertheless, I will deal with

I would consider a few hundred contest DXers using CW a few weekends a year as being fairly called "rare" when considered as a percentage of total usage on the VHF bands.

>the past. Mr. Karn, Mr. Kantor and many others, who seem to think that
>VHF/UHF operation is limited to FM and packet (also FM), ignore the
>impact of turning lose an additional hoard of FMers on 2 and 6 meters
>without some kind of protection for weak signal narrowband modes. Mr
>Kantor compounds his lack of knowledge by the following statement:
>"Even the traditional advantage of Morse for weak signal communication
>no longer holds true: digital signal processing techniques have yielded
>communication systems which can be built by the ham experimenter that
>will provide reliable communications at received signal strengths far
>below those at which the human ear can even discern that there is a
>Morse signal present." THIS STATEMENT IS ABSOLUTELY FALSE. Some day,
>it may be true. Many VHF operators hope so. There have been many
>promises over the years for such a utopian scheme that would make
>moonbounce available to the "average" VHFer (100 Watts and a 12 to 15 dB
>gain antenna). But, so far, no one has demonstrated such a system.

Your statement is FALSE. Check with N4HY et al about working moonbounce with Oscar class stations and DSP.

>The answer is that more goes on inside the human brain in digging out
>weak signals than most people realized. Maybe, some day, the process
>can be implemented on a few chips, and maybe even improved upon; but it
>hasn't be shown to work that well yet. I won't waste my time and that
>of the Commission discussing further Mr. Kantor's comments. I am happy
>to see that he stopped short of proposing that the Commission "ban"
>Morse code, although he seems to have considered the idea.

So JPL has hundreds of dedicated CW ops straining at their cans copying data from Voyager eh? Get real! Techniques for copying extremely weak signals have been in use for at least two decades. These techniques and newer techniques are now filtering down to the amateur budget.

CW, like restoring antique radios, is a pleasant passtime for some, but claiming that it is ABSOLUTELY UNBEATABLE as a weak signal mode is totally false. Claiming that CW is a cheap way to communicate says that you consider the months of time spent unproductively learning the code had no value. If on the other hand you consider your time to have value, then CW is a very expensive way to communicate. Slow too.

On the one hand we hear CW proponents saying that it will "get through when nothing else will" and on the other hand they scream for protected

sub bands so they won't get wiped out by other modes. Seems kind of
like a contradiction to me.

Gary KE4ZV

```
From -404323082073071849
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-15 09:03:39 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-
state.edu!swrinde!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Novice operating in old days, was Re: Heatkit to be sold?
Summary: Boy is my face RED
Message-ID: <1321@ke4zv.UUCP>
Date: 15 Sep 90 16:03:39 GMT
References: <122.26E9904B@w8grt.fidonet.org> <1250226@hpnmdla.HP.COM>
<2523@naucse.cse.nau.edu> <108167@philabs.Philips.Com> <1319@ke4zv.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 8
Posted: Sat Sep 15 17:03:39 1990
```

In article <1319@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
>
>3.58 Mhz is not in ANY ham band, thank goodness, or there would be incredible

Oops! Of course 3.58 is in the 80 meter band. What it's not in is the novice
portion of the band 3.70-3.75 (unless that's been moved too!).

Gary KE4ZV

```
From 9106063277721753781
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc897da04cccba4b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-15 09:45:21 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rice!uw-beaver!ubc-cs!alberta!
herald.usask.ca!weyr!katz
From: katz@weyr.FIDONET.ORG (Sylvan Katz)
Newsgroups: rec.ham-radio
Subject: PC Logger - Help Finding one
Message-ID: <837.26F317C3@weyr.FIDONET.ORG>
Date: 15 Sep 90 16:45:21 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 14
Posted: Sat Sep 15 17:45:21 1990
```

I am leaving for the UK in two weeks and would like to locate a PC

based shareware/public domain station logger and/or contest logger
for my laptop. Something like the K1EA (v4.25 or >) would be nice.
Please forward information or uuencoded file to
Katz@sask.usask.ca
73's VE5ZX - Syl (Soon to be G0/VE5ZX)

```
--
Sylvan Katz             Ham:        VE5ZX
203 Ball Crescent       UUCP:       ...!alberta!herald!weyr!katz
Saskatoon, Sask         Internet:  katz@weyr.FIDONET.ORG
Canada S7K 6E1          Ham bands: below 14.025/21.025/28.025 @ 0100-0300Z
(306) 934-3168
```

From -3557801313275533O2
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,248b1507f7af2c3e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-15 10:41:26 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!BGUNOS.BitNet!DFAH100
From: DFAH100@BGUNOS.BitNet
Newsgroups: rec.ham-radio
Subject: MOD for TS-430S
Message-ID: <9009151750.AA11329@ucsd.edu>
Date: 15 Sep 90 17:41:26 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Sat Sep 15 18:41:26 1990

Looking for any modifications of the TS-430S, especially

* receiving freq from 100Khz and up,
* better scanning options (e.g. stopping on a station while scanning in FM mode)
* impoving FM selectivity.

TKS, and 73   -   Adi, 4Z4VG

BITNET: DFAH100@BGUNOS

From -8105856024347090903
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-15 10:55:44 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: Novice operating in old days, was Re: Heatkit to be sold?
Message-ID: <8277@helios.TAMU.EDU>

Date: 15 Sep 90 17:55:44 GMT
References: <2523@naucse.cse.nau.edu> <108167@philabs.Philips.Com>
<1319@ke4zv.UUCP>
Sender: usenet@helios.TAMU.EDU
Organization: Computer Science Department, Texas A&M University
Lines: 9
Posted: Sat Sep 15 18:55:44 1990

In article <1319@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
>
>3.58 Mhz is not in ANY ham band, thank goodness, or there would be incredible
>TVI problems.

I beg your pardon???   Last I heard, 80 meters was from 3.5 - 4.0 Mhz.
Gee, I hope they didn't move it when I wasn't looking. :-)

bill   KB3YV

From 7710999091930992217
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,983b6a5c9046ac,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10a148,983b6a5c9046ac,start
X-Google-Attributes: gid10a148,public
X-Google-ArrivalTime: 1990-09-15 12:57:37 PST
Path: gmdzi!unido!mcsun!uunet!sugar!garym
From: garym@sugar.hackercorp.com (Gary Morris)
Newsgroups: rec.ham-radio,sci.space.shuttle
Subject: STS-35 SAREX Update and JSC BBS
Keywords: Shuttle, SAREX, STS-35, BBS
Message-ID: <6570@sugar.hackercorp.com>
Date: 15 Sep 90 19:57:37 GMT
Organization: Sugar Land Unix - Houston
Lines: 49
Xref: gmdzi rec.ham-radio:15277 sci.space.shuttle:4766
Posted: Sat Sep 15 20:57:37 1990

Subject: STS-35 SAREX Update and BBS Info

The launch of STS-35 has now been re-scheduled for Tuesday morning,
Sept 18 at 05:28 UTC. The following elements may be used for pre-launch
orbit predictions.

```
STS-35
1 00035U          90261.27986111  .00031000  00000-0  22174-3 0  0030
2 00035  28.4690 270.3379 0005720 246.6067 119.6564 15.71792660    23

Satellite: STS-35
Epoch time:      90261.27986111
Element set:     JSC-003
Inclination:       28.4690 deg          Space Shuttle Flight STS-35
```

```
RA of node:       270.3379 deg          Pre-launch flight profile
Eccentricity:     .0005720                  Keplerian Elements
Arg of perigee:   246.6067 deg        Launch:  18 SEP 90   05:28 UTC
Mean anomaly:     119.6564 deg
Mean motion:   15.71792660 rev/day                 W5RRR
Decay rate:       3.10E-04 rev/day^2      NASA Johnson Space Center
Epoch rev:               2
```

The Public Affairs Office at the Johnson Space Center operates a BBS to provide information to the public. Check this board for updates to the keplerian element sets during the flight. A message will be posted indicatiwhat file contains the new element set. The current element set for the Sep 18, 1990 Launch is found in the file STS35.003 in directory 99.

To access the BBS, call 713-483-2500 using 1200 baud, 8-N-1, at the ENTER NUMBER: prompt, enter "62511" and you will be connected to the BBS.

NASA JSC's Electronic Space Information BBS is intended to provide 24-hour access to biographies of NASA officials and astronauts, news releases, space flight mission presskits and television schedules, space shuttle systems information, flight manifests and schedules, and other information about the space program.

N5QWC/W5RRR
15SEP90 1940UCT

```
--
Gary Morris - N5QWC/W5RRR      Internet: gmorris@nasamail.nasa.gov
Lockheed (LESC), A22           UUCP:     moray!avocado!garym (home)
Space Station Freedom          SPAN:     24810::"gmorris@nasamail"
Houston, Texas                 Phone:    +1 713 283 5195
```

From 6012435279960766369
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a41a1b4be07b36ca,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-15 13:14:57 PST
Path: gmdzi!unido!mcsun!uunet!sugar!garym
From: garym@sugar.hackercorp.com (Gary Morris)
Newsgroups: rec.ham-radio
Subject: STS-35 SAREX Ops Timeline
Keywords: STS-35, SAREX, Shuttle
Message-ID: <6571@sugar.hackercorp.com>
Date: 15 Sep 90 20:14:57 GMT
Organization: Sugar Land Unix - Houston
Lines: 122
Posted: Sat Sep 15 21:14:57 1990

SAREX Timeline (WA4SIR)

Updated 9/4/90 0740 CDT

Times are given in Mission Elapsed Time (MET) which does not change relative to the launch time. You will need to add the MET to the launch time to determine the time these events will occur.

During the times the ROBOT is on packet operations will take place, crew tended periods will normally be voice operations. Primary downlink frequency is 145.550 and primary uplink is on 144.950, secondary uplinks are 144.91 and 144.97. See AMSAT bulletins for more information, in particular ANS-237.01 (8/25/90), ANS-230.01 (8/18/90) or contact W5RRR during the flight on 28.400, 21.350, 14.280, 7.227 or 3.850 for more information.

	MET		
D	Hr	Mh	Event
0	19	36	AOS NZ8W
0	19	44	LOS NZ8W
0	19	50	Start SAREX
0	20	27	AOS Carnarvon (VK6IU)
0	20	45	LOS Sydney (VK2AS)
0	21	09	AOS JSC (W5RRR)
0	21	18	LOS JSC (W5RRR)
0	21	20	Activate ROBOT
1	10	20	Deactivate ROBOT, start crew tended
1	10	21	AOS Sao Paulo (PY2PJO)
1	10	31	LOS Sao Paulo
1	12	00	SAREX off
1	20	05	AOS GSFC (WA3NAN)
1	20	10	LOS GSFC (WA3NAN)
1	20	20	Start SAREX crew tended
1	20	53	AOS Carnarvon (VK6IU)
1	21	10	LOS Sydney (VK2AS)
1	21	15	Activate ROBOT
2	09	00	Deactivate ROBOT, start crew tended
2	09	10	AOS Sao Paulo (PY2PJO)
2	09	20	LOS Sao Paulo
2	10	30	SAREX off
2	18	35	Start SAREX crew tended
2	18	50	AOS Florida Space Camp (WB5PMR)
2	18	59	LOS Florida Space Camp
2	19	42	AOS Carnarvon (VK6IU)
2	20	00	LOS Sydney (VK2AS)
2	20	00	Activate ROBOT
2	20	26	AOS Tampa KB4FBX
2	20	36	LOS Tampa KB4FBX
3	07	55	Deactivate ROBOT, start crew tended
3	07	59	AOS Sao Paulo (PY2PJO)
3	08	09	LOS Sao Paulo
3	09	30	SAREX off

3 17 37 AOS Alliance Academy (HC1QH)
3 17 40 Start SAREX crew tended
3 17 45 LOS Alliance Academy
3 18 31 AOS Carnarvon (VK6IU)
3 18 49 LOS Sydney (VK2AS)
3 19 00 Activate ROBOT
3 20 49 AOS W5RRR
3 20 59 LOS W5RRR
4 06 48 AOS Sao Paulo (PY2PJO)
4 06 55 Deactivate ROBOT, start crew tended
4 06 58 LOS Sao Paulo
4 07 54 AOS KH6NF
4 08 02 LOS KH6NF
4 08 25 AOS Sao Paulo
4 08 35 LOS Sao Paulo
4 08 40 SAREX off

4 16 35 Start SAREX crew tended
4 17 17 Start NASA Select TV from W5RRR shack
4 17 21 AOS Carnarvon (VK6IU)
4 17 38 LOS Sydney (VK2AS)
4 18 07 AOS WA4NZD
4 18 12 LOS WA4NZD
4 18 15 Activate ROBOT
5 06 00 Deactivate ROBOT, start crew tended
5 07 14 AOS Sao Paulo (PY2PJO)
5 07 24 LOS Sao Paulo
5 08 10 SAREX off

5 16 10 Start SAREX crew tended
5 16 10 AOS Carnarvon (VK6IU)
5 16 27 LOS Sydney (VK2AS)
5 17 30 Activate ROBOT
6 05 45 Deactivate ROBOT, start crew tended
6 06 03 AOS Sao Paulo (PY2PJO)
6 06 12 LOS Sao Paulo
6 07 40 AOS Sao Paulo (PY2PJO)
6 07 50 LOS Sao Paulo
6 07 55 SAREX off

6 16 15 Start SAREX crew tended
6 16 45 AOS Carnarvon (VK6IU)
6 16 53 LOS Sydney (VK2AS)
6 17 30 Activate ROBOT
7 05 30 Deactivate ROBOT, start crew tended
7 06 28 AOS Sao Paulo (PY2PJO)
7 06 38 LOS Sao Paulo
7 07 30 SAREX off

7 15 00 Start SAREX crew tended
7 15 24 AOS Carnarvon (VK6IU)
7 15 42 LOS Sydney (VK2AS)

7 16 30 Activate ROBOT
7 17 00 AOS Carnarvon (VK6IU)
7 17 18 LOS Sydney (VK2AS)
7 17 45 AOS MSFC (WA4NZD)
7 17 53 LOS MSFC
8 04 45 Deactivate ROBOT, start crew tended
8 05 17 AOS Sao Paulo (PY2PJO)
8 05 27 LOS Sao Paulo
8 05 45 Power down SAREX, stow

```
--
Gary Morris - N5QWC/W5RRR      Internet: gmorris@nasamail.nasa.gov
Lockheed (LESC), A22           UUCP:     moray!avocado!garym (home)
Space Station Freedom          SPAN:     24810::"gmorris@nasamail"
Houston, Texas                 Phone:    +1 713 283 5195
```

From 945378506275201476
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dbe9923b5220619,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-15 14:47:28 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: vk2sg.rtty
Message-ID: <1648@n8emr.UUCP>
Date: 15 Sep 90 21:47:28 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 160
Posted: Sat Sep 15 22:47:28 1990

```
==============================================================
|         Relayed from packet radio via                  |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ ALLBBS $RTDX0914
RTTY DX Notes 1of3 9/14/90

RTTY DX Notes for week ending 14th September 1990
BID: $RTDX0914
Part 1 of 3.

This is the last request for logs of the ANARTS RTTY DX Contest held in June this year. You may be first in your country, even though you have a small score, or you might help to prove that someone else won it. So send your logs to W. Storer, 55 Prince Charles Rd, Frenchs

Forest, Sydney 2086 NSW Australia.

These notes are getting shorter each week, because the propagation is getting poorer despite what the propagation reports are saying. Also some of our reporters have been distracted by other attractions, like holidays. We still hope for better things next week.

Our thanks this week go to I5FLN, I5ICY, I5IGQ, JA1BLV, OD5NG, TG9VT, W2JGR, W6/G0AZT and the Tri-State DX packet cluster network. Thank you all for your information and interest. Please keep it coming.

Bandpass:

Friday 7:

CE0ZIG	14076	at	0416Z	ARQ
BV5OC	14081	at	0952Z	FEC
ZD8BOB	21074	at	2305Z	ARQ

Saturday 8:

HI8EL	14080	at	0628Z	ARQ
TY1PS	21083	at	1234Z	ARQ
FK8BK	14069	at	1246Z	ARQ
9J2BO	21088	at	1449Z	QSL
SV0AC	21080	at	1700Z	ARQ
5Z4BI	21087	at	1707Z	
SV9TJ	21078	at	1715Z	ARQ
HV3SJ	21090	at	1844Z	
9Y4SF	14094	at	2323Z	

Continued in part 2.
/EX
SB RTTYDX @ ALLBBS $RTDX0915
RTTY DX Notes 2of3 9/14/90

RTTY DX Notes for week ending 14th September 1990
BID: $RTDX0915
Part 2 of 3.

Sunday 9:

UJ8JCQ	21087	at	0645Z	QSL
UB4HO	21085	at	1108Z	
UQ2HQ	21091	at	1109Z	
VQ9RB	28088	at	1333Z	
4K0ADS	21086	at	1404Z	
YI1BGD	21073	at	1700Z	ARQ
HV3SJ	28089	at	1715Z	
5Z4BI	21081	at	2045Z	
5N0ETP	14084	at	2138Z	

Monday 10:

UM8NC	14089	at	0214Z

FR4FR	21074	at	1713Z	ARQ
VU2SJV	21089	at	1732Z	
GW4ZAT/5B4	28088	at	1741Z	
G4MSP/3DA0	21086	at	2000Z	
ZD8BOB	21074	at	2050Z	ARQ
TU2BB	14074	at	2213Z	ARQ
CE0ZIG	21074	at	2310Z	ARQ
ZP5AEA	14088	at	2333Z	

Tuesday 11:

8P9HR	14086	at	0131Z	QSL
UM8NC	14089	at	0253Z	
5N8ALE	14073	at	0530Z	FEC
ZD8BOB	21074	at	1855Z	ARQ
3B9FR	14084	at	1950Z	

Wednesday 12:

8P9HR	14088	at	0112Z	
TA3D	14089	at	0425Z	
5N8ALE	14072	at	0508Z	FEC
RC2AZ	14087	at	0743Z	
FK8BG	14069	at	0932Z	ARQ
S79NBD	28092	at	1205Z	QSL/Note
4K0ADS	21086	at	1716Z	
TK5IU	14074	at	1722Z	ARQ
J28TY	21072	at	1746Z	ARQ
ZD8BOB	21074	at	2250Z	ARQ

Thursday 13:

V31AE	14076	at	0425Z	ARQ
RL9PYL	21088	at	1226Z	
S79NBD	21089	at	1226Z	
J28TY	21089	at	1228Z	

Continued in part 3.
/EX
SB RTTYDX @ ALLBBS $RTDX0916
RTTY DX Notes 3of3 9/14/90

RTTY DX Notes for week ending 14th September 1990
BID: $RTDX0916
Part 3 of 3.

QSL Information:

9J2BO says to QSL via W6ORD.

UJ8JCQ QSL address is Box 1102, 734032 Dushanbe, Tadzhikistan, USSR.

8P9HR will QSL via K4BAI.

S79NBD is JG1NBD when he is at home, so send the cards to his home address.

Notes of Interest:

It seems that I made a slight mistake last week with the QSL management of 1S0XV. It appears that JA3DPB and W4FRU are the managers for the rest of the world, while Russians may send their cards to Box 308, Moscow 103009. So now you have three QSL managers. I think that I have it right this time.

JG1NBD is operating from the Seychelles S79 until 16th September. JH1NQG should be signing KC6CW while JH1BNL should sign KC6DX from 13th September until 16th, after which they will move to Yap from 16th until 19th, where they will sign V63AN and V63AR respectively. QSL to their home calls.

7J1ADJ should also be making a noise from Minami Torishima from now until the 21st. QSL to KB1BE.

JH1QDB will be on Ogasawara (JD1) from 23rd until 30th September.

F2JD will sign CE0ZZZ from Juan Fernandes from mid November, and will be running RTTY with gear supplied by IRDXA.

GL DE DX1 (VK2SG).

Written by VK2SG. Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA.
Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.
/EX
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From -8296049664484697731
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-15 14:50:43 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!noao!arizona!naucse!rrw
From: rrw@naucse.cse.nau.edu (Robert Wier)
Newsgroups: rec.ham-radio
Subject: Re: Novice operating in old days, was Re: Heatkit to be sold?
Message-ID: <2533@naucse.cse.nau.edu>
Date: 15 Sep 90 21:50:43 GMT
References: <108167@philabs.Philips.Com>
Organization: Northern Arizona University, Flagstaff AZ
Lines: 43
Posted: Sat Sep 15 22:50:43 1990

From article <108167@philabs.Philips.Com>, by rfc@briar.Philips.Com (Robert Casey):

>
> I have a question: If novices were required to use crystals to generate the
> xmit freq, and assuming that you don't have a really big selection of
> frequencys (i.e. crystals), then how would you go about answering a CQ? If
> you are not on the same freq, then how would you expect the other guy to hear
> you? Keep answering, and wait for the other guy to eventually tune his radio
> and stumble on your answer? Seems that would take a long time before you
> connect. Or was there an agreed on contact frequency, that everyone would buy
> crystals for? Then you tell each other what freqs you have xtals for, and
> move there? Is 3.579545Mhz in the novice band? (I don't have the allocations
> memorized or handy). That freq would be a very common crystal, as it is the
> color TV color info subcarrier. If it is, then that might be a contact freq.
>
> 73 de WA2ISE

Yup, what you did was to transmit on your crystal frequency, the other guy would transmit on his crystal frequency, and you'd both have to tune around to find who was answering. This normally limited your contacts to +- 10 khz within your transmitter freq.

It was kind of funny. After transmitting rock bound for several months, you got to know the other guys who had similar crystals REAL well. They were the ones you spent most of your time talking to!

I forget what the exact freq bands were... but I spent a lot of time with a 7.??? crystal.

Being rockbound made you really appreciate the General class guys who'd come down and zero beat your transmit frequency so you could talk to them. It gave you someone new to talk to!

--73's

- Bob Wier

-------------- insert favorite standard disclaimers here ----------
College of Engineering
Northern Arizona University / Flagstaff, Arizona
Internet: rrw@naucse.cse.nau.edu | BITNET: WIER@NAUVAX | WB5KXH
or   uucp: ...arizona!naucse!rrw

From 7252517679531629252
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ef26b70d3534ecc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-15 15:44:34 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!emory!rsiatl!jgd
From: jgd@rsiatl.UUCP (John G. DeArmond)

Newsgroups: rec.ham-radio
Subject: Software postings in this group.
Message-ID: <4015@rsiatl.UUCP>
Date: 15 Sep 90 22:44:34 GMT
Organization: Radiation Systems, Inc. (a thinktank, motorcycle, car and gun works facility)
Lines: 41
Posted: Sat Sep 15 23:44:34 1990

I've watched this discussion regarding fixing the "problem" of software being posted to this group with rising amusement. Many people have suggested a number of solutions but no one has yet hit on the most obvious of all - let the people who have a problem with software in this group fix the problem for themselves.

If someone running a mail gateway, say Brian for instance, thinks that his downstream sites would be so offended by or so driven to poverty by the transmission costs of software or other files in this group, then let that person fix the problem. It is trivially easy to screen traffic on the basic of a) size and/or b) content (the leading "M" in uuencoded files is a dead givaway) and/or format (fixed length lines, for example). Using Deliver, that would be a 15 minute task. Then the rest of us who value such postings could continue to benefit from them. Of course, it IS much easier just to bitch about it....

That said, I too would support a group of the form rec.ham-radio.software. Dispense with all the nonsense about a separate group for each computer. Most hams use PCs and for the non-PC software, a simple keyword in the title line will differentiate it from the PC stuff. This group would be an ideal place for Phil's latest TCP/IP stuff as well as all the other ham oriented software. Perhaps Bdale could even be pursuaded to set up an automatic poster daemon for the IP stuff. I say this, of course, because he stated a couple of years ago that it would take too much of his time for him to do so when I asked him to set up an automatic E-mail posting to me so I could redistribute to non- Internet sites.

So here's my suggestion. In the interim, continue posting to rec.ham-radio. And in that interim, let's find someone to volunteer to hold a formal discussion and vote for a software newsgroup for ham radio. Any volunteers?

John

```
--
John De Armond, WD4OQC  | We can no more blame our loss of freedom on congress
Radiation Systems, Inc. | than we can prostitution on pimps.  Both simply
Atlanta, Ga             | provide broker services for their customers.
{emory,uunet}!rsiatl!jgd|  - Dr. W Williams |                **I am the NRA**
```

From -7913139740874115642

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d95939fb53fa86db,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-15 16:01:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!usc!
julius.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Antenna gain figures for QST
Message-ID: <30500732@ux1.cso.uiuc.edu>
Date: 15 Sep 90 23:01:00 GMT
References: <95@thoreau.nsc.com>
Lines: 57
Nf-ID: #R:thoreau.nsc.com:95:ux1.cso.uiuc.edu:30500732:000:3013
Nf-From: ux1.cso.uiuc.edu!phil    Sep 15 18:01:00 1990
Posted: Sun Sep 16 00:01:00 1990
```

> >I will wait for a version in Fortran or C before I actually run it. I might
> >be convinced to use Pascal if the program is written by people who are
> >recognized experts in the field.
> >
>
> Language chauvinist! :-)

:-)

> If a program gives results in a reasonable amount of time, and the algorithm
> is properly implemented, who cares what language was used.

The reasons are this:

BASIC is a toy language for toy computers. Don't get me wrong, toys are fun things to have; I have toys; you have toys; he who has the most toys.......:-)

PASCAL was originally intended to be a teaching language, not an implementation language. As a language it is poor for serious development. However groups like Borland (Turbo Pascal) have done a remarkable job of converting a poor language into something useful and powerful. Unfortunately they have done so for only one platform (PC clones, MS-DOS).

C is a systems programming language and fits at a point somewhere between assembly language and other high level languages. It is not the most ideal language to do scientific programming, but it is universally available and there are good compilers for free (GNU GCC for UNIX) or for low cost (Turbo C by Borland and Microsoft C) for PC clones. Rumor has it there is a good C for Macintosh, but I'd not be in a position to verify that.

Fortran is THE scientific programming language, and antenna modeling is just such an application. My tendency in such things as antenna modeling is to be as detailed and discrete as possible in the model. I'm talking simulations that take a few hours to run on an IBM 3081 or Convex C240 mainframe; several thousand segments. This is not a practical option on a PC with BASIC. Not all Fortran compilers are up to snuff, unfortunately.

If all I was going to do was run a small model, never hack the code, and never try to validate the algorithm, a BASIC program for a PC would be fine. But in reality, I will often need to modify the program or verify its algorithm, or even revise it to new technology. Source is required in a language that is easy and practical to maintain. Because I do serious systems programming and development across multiple platforms over a range of computers, the languages I will be proficient in will be assembly (for various machines), Fortran, and of course C. Basic, Pascal, Cobol, Lisp, etc., are not among them.

> If I were an antenna manufacturer, I wouldn't depend on a computer simulation
> to design my antennas. Real range data is much more valuable.

I can twist your words here because I think you made a slight word slip. The design phase definitely needs antenna modeling. The engineer can examine many different ideas quickly this way. But constructiong real antennas and testing them in real life situations is a MUST. Each is a sanity check on the other.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 4410529884591299822
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8a942d0e5e82c06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-15 16:06:00 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!rpi!
julius.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: POSTING PROGRAMS TO THIS NET
Message-ID: <30500733@ux1.cso.uiuc.edu>
Date: 15 Sep 90 23:06:00 GMT
References: <9009111334.AA19069@ucsd.edu>
Lines: 12
Nf-ID: #R:<9009111334.AA19069@ucsd.edu>:-29:ux1.cso.uiuc.edu:30500733:000:491
Nf-From: ux1.cso.uiuc.edu!phil   Sep 15 18:06:00 1990
Posted: Sun Sep 16 00:06:00 1990

[more kindling on the fire]

How about comp.sources.misc for things in source code, and comp,binaries.? for whatever machine type the binary is for.

The big advantage is that these already exist and are usable now. As far as I know, there is not restriction of the type of programs posted there, and I have seen some variety at times.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 8080891224724629643
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-15 19:36:58 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Novice operating in old days, was Re: Heatkit to be sold?
Summary: novice bands in the old days
Message-ID: <230@ssc.UUCP>
Date: 16 Sep 90 02:36:58 GMT
References: <122.26E9904B@w8grt.fidonet.org> <1250226@hpnmdla.HP.COM>
<108167@philabs.Philips.Com>
Organization: very little
Lines: 32
Posted: Sun Sep 16 03:36:58 1990

In article <108167@philabs.Philips.Com>, rfc@briar.Philips.Com (Robert Casey)
writes:
>
> I have a question: If novices were required to use crystals to generate the
> xmit freq, and assuming that you don't have a really big selection of
> frequencys (i.e. crystals), then how would you go about answering a CQ? If
> you are not on the same freq, then how would you expect the other guy to hear
> you? Keep answering, and wait for the other guy to eventually tune his radio
> and stumble on your answer? Seems that would take a long time before you
> connect.

I was first licensed as WN7CSK in 1965. In those days, because of crystals, no one on the Novice band calling CQ expected the answer to come back on their frequency. CQs tended to be longer, answering was longer, and the calling station would always "tune the band" looking for a response.

I ran a Heath DX20 into a wire on 80 meters, and the receiver was a
Knight Kit Star Roamer, 4 tube general coverage receiver with NO BFO.
I had one crystal for 3743 KHz (most Novices I found later bought crystals
toward the middle of the band) and I used a knife switch for antenna
changeover from receive to transmit.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

```
From -6404407188599403426
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-15 19:49:31 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Novice operating in old days, was Re: Heatkit to be sold?
Summary: not in the Novice Band
Message-ID: <231@ssc.UUCP>
Date: 16 Sep 90 02:49:31 GMT
References: <122.26E9904B@w8grt.fidonet.org> <1250226@hpnmdla.HP.COM>
<4436@optilink.UUCP>
Organization: very little
Lines: 29
Posted: Sun Sep 16 03:49:31 1990
```

In article <4436@optilink.UUCP>, elliott@optilink.UUCP (Paul Elliott x225) writes:
> In article <108167@philabs.Philips.Com>, rfc@briar.Philips.Com (Robert Casey) writes:
>
> > [...] Is 3.579545Mhz in the novice band? [...]
> > That freq would be a very common crystal, as it is the
> > color TV color info subcarrier. If it is, then that might be a contact freq.
>
> Yeah, its in the novice 80M band. I haven't worked 80M (ever!), but have
> wondered about that frequency. Just imagine the noise floor, with all those
> quasi-synchronised, pulse modulated color-bursts going on, nation/world-wide.
> I can imagine it all right, but what's it really like?
>
> By the way, the ancient history I've just related took place circa-1975.

No, 3.579545 MHz is not, and was not ever, in the Novice band. The Novice band was from 3.7 to 3.75 MHz. I am not sure, but I think there was a change in this allocation. I think the whole segment shifted down 25 KHz, so it is now 3.675 to 3.725 MHz. I believe this was done in the last year.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -174200288174360002

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-15 20:07:59 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Novice operating in old days, was Re: Heatkit to be sold?
Summary: wrong again!
Message-ID: <234@ssc.UUCP>
Date: 16 Sep 90 03:07:59 GMT
References: <1250226@hpnmdla.HP.COM> <108167@philabs.Philips.Com>
<5882@plains.NoDak.edu>
Organization: very little
Lines: 52
Posted: Sun Sep 16 04:07:59 1990

In article <5882@plains.NoDak.edu>, enders@plains.NoDak.edu (WD0BCI) writes:
> In article <4436@optilink.UUCP> elliott@optilink.UUCP (Paul Elliott x225)
writes:
> >In article <108167@philabs.Philips.Com>, rfc@briar.Philips.Com (Robert Casey)
writes:
> [stuff deleted]
> >
> >> [...] Is 3.579545Mhz in the novice band? [...]
> >> That freq would be a very common crystal, as it is the
> >> TV color info subcarrier. If it is, then that might be a contact freq.
> >
> >Yeah, its in the novice 80M band.
>
>   NO! NO! NO!!! The 80 meter novice band is from 3.7 to 3.75 MHz. Don't
> try this at home kids!! (besides, the noise is *terrible*!!!, and you'll
> give the neighbors a bad case of TVI).
>

i
That is what it USED to be, when I was a Novice. I think it changed this
year. Here is my evidence:

SB ARRL @ ALLUSA $ARLB010
#10 80m. Reallocation 3/2/90
QST DE W1AW
ARRL Bulletin 10 ARLB010
From ARRL Headquarters
Newington CT March 2, 1990
To All Radio Amateurs

On March 1, The FCC announced that it proposes to change authorized
frequencies for Novice and Technician Class operators in the 80 meter
band. Current authorized frequencies would be changed from 3700 to 3750
KHz to 3675 to 3725 KHz. FCC believes that such relocation would reduce
interference in the 80 meter Novice segment and is asking for comments
from the amateur community.

Copied from W1AW by Tad, KT7H @ N7HFZ.WA.USA.NA.
/EX

Not sure, but I think this is a done deal.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 8162440391430042941
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2067e2904d6974e3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-15 22:36:59 PST
Path: gmdzi!unido!mcsun!uunet!samsung!umich!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.ham-radio
Subject: Re: ABUSE OF HAM RADIO ETHICS IN talk.politics.mideast
Message-ID: <1990Sep16.053659.19580@lopez.UUCP>
Date: 16 Sep 90 05:36:59 GMT
References: <35@inews.intel.com> <1140039@hprnd.HP.COM> <4433@qip.UUCP>
Organization: Great White North/UPlink - Marquette, Michigan
Lines: 38
Posted: Sun Sep 16 06:36:59 1990

john@qip.UUCP (John Moore) writes:
>I believe that ARF is related to BARF which is
>responsible for the current 14.313 mess, but I'm not sure of that.

Nope. You are way off there. ARF is "Amateur Radio Forum" Which is the net run by NR9Q, Thursdays at 10PM EST. I note you support the 2nd ammendment. The net is VERY PRO Gun Ownership, among other topics. It is a current Events discussion net. (Thurs, 10pmEST, 3950khz)

I might like to add that people should decide for themselves if Schmidling is Anti Semitic or not. For one thing, Schmidling himself is Jewish. He is, IMHO NOT anti semitic. He opposes US AID to ISRAEL, which by the way OTHER Americans of Jewish Decent also do. As I understand it, he feels that Jewish Occupation of the West Bank is much akin to the Iran takeover of Kuwait. Actually on the surface, the two events have a certain ring of similarity.

Please do NOT continue this debate HERE in rec.ham.radio. If you MUST post a defamatory message about Schmidling or anyone else, take it to a more apropriate newsgroup. I am posting this reply ONLY to correct the error that ARF and BARF are related. I can ASSURE YOU there is ABSOLUTELY NO CONNECTION between the two groups. I also take offense at your characterization of NR9Q, and encourage those interested to judge for themselves by reading his postings OR better yet checking into his net this coming thursday. It could surprise you.

Please NO MORE OF THIS DISCUSSION IN THIS GROUP!

--
=Marquette MI: It's Not the END of the world, but you can see it from here=
== Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash) GWN UPLink ==
== 3.950 Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================

From -6895069371812522853
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f9d39d2c2280fc90,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-15 23:07:42 PST
Path: gmdzi!unido!mcsun!uunet!samsung!umich!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.ham-radio
Subject: Barfers Get Busted
Keywords: FCC FINES
Message-ID: <1990Sep16.060742.19876@lopez.UUCP>
Date: 16 Sep 90 06:07:42 GMT
Organization: Great White North/UPlink - Marquette, Michigan
Lines: 40
Posted: Sun Sep 16 07:07:42 1990

It has finally happened. SOMEONE finally got fined for the 20 meter mess. Not the chicken squawker, Not one of the ten thousand tape players on the frequency, or the people that swear like longshoremen. Those people DON'T ID.

The fines went to key members of the Better Amateur Radio Federation (BARF).

Herb Schoenbaum, KV4FZ.... Dick Eastman, N5FX, and one other lesser player all got $1,000 fines for "causing interference" to other stations. Actually, they received "Notice of Apparent Liability", which is NOT EXACTLY a fine.

The fines do not seem to have quieted Schoenbaum, who is as verbal as ever. Eastman, a blind ham living on social security, is a bit more subdued of late. FZ was in Florida this past week. Rumor has it he is going to try and fight the fine, since HE claims he was fined for ANSWERING a call on frequency at the time he allegedly was supposed to be causing the interference.

It would seem that the FCC has targeted the BARF BOYS. Certainly if they were somehow no longer on the air, a great deal of this controvercy would vanish quickly. These operators are like the bellows in a foundry, keeping the flames high by pumping in a lot of wind.

However, one has to admit that much of what the BARF boys say happens to be dead square on the money. Perhaps it is just the WAY they say it, and the fact that they say it and say it and say it and say it that causes the problem.

I don't think it is over yet.

Stay tuned to either 14.313 or 14.300 depending on who got where first when.

--
=Marquette MI: It's Not the END of the world, but you can see it from here=
== Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash) GWN UPLink ==
== 3.950 Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================

From 2306723685733810530
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ef26b70d3534ecc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-16 05:52:02 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!mips!swrinde!zaphod.mps.ohio-state.edu!lavaca.uh.edu!uhnix1!sugar!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Software postings in this group.
Message-ID: <07Y.5&@splut.conmicro.com>
Date: 16 Sep 90 12:52:02 GMT
References: <4015@rsiatl.UUCP>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 26
Posted: Sun Sep 16 13:52:02 1990

In article <4015@rsiatl.UUCP> jgd@rsiatl.UUCP (John G. DeArmond) writes:
>So here's my suggestion. In the interim, continue posting to rec.ham-radio.
>And in that interim, let's find someone to volunteer to hold a formal
>discussion and vote for a software newsgroup for ham radio. Any
>volunteers?

Let's not.
Instead, let's use the groups that already exist for such things: the comp.* groups. For example, the recent Super Morse posting should have gone to comp.binaries.ibm.pc, for two reasons: 1) it's where binaries for the IBM PC belong, and if your site doesn't get c.b.i.p, then you shouldn't try to end-run binaries around the restriction; and 2) it may well have gotten wider

exposure that way, thus giving people who don't read rec.ham-radio a chance to play with a Morse Code program, thus possibly breaking down one of the excuses for not getting into ham radio. (Oops. Not politically correct. Ignore that last.)

A proposal for rec.radio.software will be met with exactly this objection from the admins of the net. For such a group to pass, it will need an answer to that objection.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
"I can't believe I really wrote     +--------------------------------------
this." - Henry Spencer, about awf, his nroff -ms subset written in awk
```

```
From -4125654194839842974
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8bcac566a3611c94,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-16 06:22:03 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!samsung!
sol.ctr.columbia.edu!cica!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: canecdote: those ubiquitous cans
Message-ID: <153.26F2C152@w8grt.fidonet.org>
Date: 16 Sep 90 13:22:03 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 47
Posted: Sun Sep 16 14:22:03 1990
```

```
 > From: larry@kitty.UUCP (Larry Lippman)
 > Date: 13 Sep 90 19:32:17 GMT
 > Organization: Recognition Research Corp., Clarence, NY
 > Message-ID: <4027@kitty.UUCP>
 > Newsgroups: rec.ham-radio
 >
 > In article <137.26EEDC76@w8grt.fidonet.org>, jim.grubs@w8grt.fidonet.org
 > (Jim Grubs) writes:
 > > Who remembers which ham magazine printed an article on using hardware
 > cloth
 > > for forming small chasses (chassises??)? And when?
 > >
 > > I hope nobody says, "I'll bite." because I don't remember either, but I
 > tried
 > > it for something or other and it worked.
 >
 >        I don't remember this specific technique, but I bet that if
 > someone
 > has a copy of "Hints and Kinks" from the 1950's it'll probably be in
 > there!
```

Nothing mysterious about it. You used 1/4 inch mesh wire screen. It was sort of like HEAVY duty chicken wire fencing, only maybe 14 guage wire (and square holes). You could cut it to shape, fold it, bend it, solder leads going to ground to it, run wires going elsewhere through it. Neat! If you needed a tube socket hole, you snipped a few wires and poof! a hole. It was strong enough to mount almost all kinds of hardware on - even small transformers. When you got the thing working right, you rebuilt it permanently using conventional materials. (Then, of course, it no longer worked!)

> One name even comes to mind, who was probably the No. 1
> originator
> of Hints and Kinks material: Art Trauffer. Does that name (or something
> like it) sound familiar to anyone?

Not me, but I'm terrible with names. I often wondered if they were guys in the ARRL Lab. "Hey, dude, gimmee two inches of Hints and Kinks for Page 56."

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From -633904384718263838
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-16 10:19:21 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ve7apu!smits
From: smits@ve7apu.uucp (Bob Smits - VE7EMD)
Newsgroups: rec.ham-radio
Subject: Re: Novice operating in old days, was Re: Heatkit to be sold?
Message-ID: <1990Sep16.171921.20514@ve7apu.uucp>
Date: 16 Sep 90 17:19:21 GMT
References: <122.26E9904B@w8grt.fidonet.org> <1250226@hpnmdla.HP.COM>
<2523@naucse.cse.nau.edu> <108167@philabs.Philips.Com> <1319@ke4zv.UUCP>
Reply-To: smits@ve7apu.UUCP (PUT YOUR NAME HERE)
Organization: VADCG, Richmond, B.C.
Lines: 4
Posted: Sun Sep 16 18:19:21 1990

Last time I looked, 3.58 Mhz was right in the 3.5 to 4.0 Mhz eighty metre band. Did I miss something ?
73, Bob

From -5672392219311656523

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-16 12:51:24 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Novice operating in old days, was Re: Heatkit to be sold?
Summary: 80 mtrs
Message-ID: <236@ssc.UUCP>
Date: 16 Sep 90 19:51:24 GMT
References: <122.26E9904B@w8grt.fidonet.org> <1250226@hpnmdla.HP.COM>
<1319@ke4zv.UUCP>
Organization: very little
Lines: 22
Posted: Sun Sep 16 20:51:24 1990

In article <1319@ke4zv.UUCP>, gary@ke4zv.UUCP (Gary Coffman) writes:

>
> 3.58 Mhz is not in ANY ham band, thank goodness, or there would be incredible
> TVI problems.
>
> Gary KE4ZV (ex WN4OAA)

WHAAAT???!!??? 3.58 MHz not in ANY HAM BAND? It is not in any NOVICE
SUBBAND, but it certainly is in the amateur 80 meter allocation, which
is from 3.5 to 4 MHz.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -4511473664875276273
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,674a02ed1fa1de41,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-16 13:57:12 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!nosc!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley)
Newsgroups: rec.ham-radio
Subject: Genie information systems, Ham Radio, and gateway to UUCP, ARPA, etc.
Message-ID: <4437@crash.cts.com>
Date: 16 Sep 90 20:57:12 GMT
Sender: root@crash.cts.com

Organization: People-Net [pnet01], El Cajon CA
Lines: 22
Posted: Sun Sep 16 21:57:12 1990

Anyone know if Genie Information Systems (the nation-wide computer dial-up system similar to compuserve) has any support areas for amatuer radio?

Also is there any E-mail gateway access to any of the E-mail systems. I am told that Compuserve does have some sort of gateway.

This inquiry was prompted by Genie's decision to offer flat-rate connect time starting 10-1-90. Similar to Prodigy, but only $4.95 monthly non-prime without the trashy graphics, trash software, and slllllllooooooowwwwww response. This flat-rate doesn't apply to all of Genie's offerings, but to many including their E-mail system.

Would appreciate any responses (even the ever-present flaming barbs) especially from any current subscribers of Genie who will soon have to make the decision to join the flat-rate crowd or drop the service.

```
**************************************************************************
Mike Shirley,  WB6WUI        INET: mikey@pnet03.cts.com
PO Box 460                   ARPA: crash!pnet03!mikey@nosc.mil
Lakeside, CA  92040-0460     UUCP: {hplabs!hp-sdd nosc}!crash!pnet03!mikey
**************************************************************************
```

From -5785876566734858618
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,78f007c59c32d29e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-16 17:10:34 PST
Path: gmdzi!unido!mcsun!uunet!samsung!rex!uflorida!haven!ncifcrf!lhc!lhc!sandro
From: sandro@lhc.nlm.nih.gov (Michael D'Alessandro)
Newsgroups: rec.ham-radio
Subject: Swaps in Cedar Rapids or Iowa City -- Iowa Swaps?
Message-ID: <1990Sep17.001034.20447@nlm.nih.gov>
Date: 17 Sep 90 00:10:34 GMT
Sender: usenet@nlm.nih.gov (usenet news poster)
Organization: National Library of Medicine
Lines: 12
Posted: Mon Sep 17 01:10:34 1990

I live in Iowa City and I'm looking for swaps to attend. Can anyone tell me of any in Iowa City or in Cedar Rapids? Heck, I'd even drive to Des Moines or the Quad Cities if I can't find anything nearer home.

Thanks!

Michael
--
Michael D'Alessandro, M.D.

From 13457230555963298
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f0e33a4931ac37bb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-16 17:33:54 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: AMSAT Bulletins, 9/15/90
Keywords: ham satellites
Message-ID: <239@ssc.UUCP>
Date: 17 Sep 90 00:33:54 GMT
Organization: very little
Lines: 736
Posted: Mon Sep 17 01:33:54 1990

SB ALL @ AMSAT $ANS-258.01
PRELIMINARY KEPS FOR STS-35

HR AMSAT NEWS SERVICE BULLETIN 258.01 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 15, 1990
TO ALL RADIO AMATEURS BT

Preliminary Orbital Elements For STS-35/SAREX Mission For Sept. 18 Launch. The Johnson Space Flight Center (JSC) Amateur Radio Club, W5RRR, has released the following preliminary Keplerian element set for the Space Shuttle Flight of STS-35. This element set ASSUMES that the Shuttle Columbia will lift-off as soon as the launch window opens September 18, 1990 at 05:28:00 UTC.

```
Satellite: STS-35
Catalog number: TBD
Epoch time:      90261.27986111           (18-SEP-90 06:43:00.000 UTC)
Element set:     JSC-003
Inclination:       28.4690 deg             Space Shuttle Flight STS-35
RA of node:       270.3379 deg               Pre-launch flight profile
Eccentricity:    0.0005720                      Keplerian Elements
Arg of perigee:   246.6067 deg           Launch: 18-SEP-90   05:28:00 UTC
Mean anomaly:     119.6564 deg
Mean motion:   15.71792660 rev/day                       W5RRR
Decay rate:       3.10e-04 rev/day^2          NASA Johnson Space Center
Epoch rev:               2
```

In the NASA "2-line" format the above STS-35 elements are as follows:

```
STS-35
1 00035U          90261.27986111  .00031000  00000-0  22174-3 0  0030
2 00035  28.4690 270.3379 0005720 246.6067 119.6564 15.71792660    23
```

All stations wishing to obtain updated STS-35 element sets should monitor the NASA affiliated radio clubs: WA3NAN, W5RRR, and W6VIO. Also, W1AW will provide up-to-the-minute information with its CW and phone bulletins on published frequencies in QST.
/EX
SB ALL @ AMSAT $ANS-258.01
PRELIMINARY STS-35 KEPS

HR AMSAT NEWS SERVICE BULLETIN 258.01 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 15, 1990
TO ALL RADIO AMATEURS BT

Preliminary Orbital Elements For STS-35/SAREX Mission For Sept. 18 Launch

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```
Satellite: STS-35
Catalog number: TBD
Epoch time:      90261.27986111           (18-SEP-90 06:43:00.000 UTC)
Element set:     JSC-003
Inclination:       28.4690 deg             Space Shuttle Flight STS-35
RA of node:       250.8207 deg              Pre-launch flight profile
Eccentricity:    0.0005720                     Keplerian Elements
Arg of perigee:   270.3379 deg           Launch: 18-SEP-90   05:28:00 UTC
Mean anomaly:     119.6564 deg
Mean motion:   15.71792660 rev/day                      W5RRR
Decay rate:       3.10e-04 rev/day^2          NASA Johnson Space Center
Epoch rev:               2
```

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```
STS-35
1 00035U          90261.27986111  .00031000  00000-0  22174-3 0  0030
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```

All stations wishing to obtain updated STS-35 element sets should monitor the NASA affiliated radio clubs: WA3NAN, W5RRR, and W6VIO. Also, W1AW will provide up-to-the-minute information with its CW and phone bulletins on published frequencies in QST.
/EX
SB ALL @ AMSAT $ANS-258.02
SAREX/STS-35 INFO FREQS

HR AMSAT NEWS SERVICE BULLETIN 258.02 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 15, 1990
TO ALL RADIO AMATEURS BT

NASA Affiliated Radio Clubs & W1AW To Provide STS-35/SAREX Mission Updates

Radio amateurs and Short Wave Listeners (SWL) will have many opportunities to listen to all the onboard activities from the Shuttle Columbia as the astronauts perform their planned scientific experiments and investigations with the ASTRO-1 payload. The following list of frequencies will provide a "spot" to listen and receive pertinent information on the progress of STS-35 and the Shuttle Amateur Radio Experiment (SAREX). Live shuttle audio will only be rebroadcast when the astronauts are awake. W1AW will provide SAREX Mission updates during its daily bulletin schedule.

BAND	WA3NAN GSFC	W5RRR JSC	W6VIO* JPL	W1AW VOICE BULLETINS**	K6MF***	WA4NZD MSFC
75	3.860	3.850	N/A	3.990	3.840	3.855
40	7.185	7.227	N/A	7.290	7.165	7.232
20	14.295	14.280	14.270	14.290	N/A	14.267
15	21.395	21.350	21.340	21.390	N/A	21.362
10	28.650	28.495	N/A	28.590	N/A	28.395
2	147.450	146.640	145.460	N/A	145.580	N/A
1.3	N/A	N/A	224.040, 224.080	N/A	N/A	N/A

*W6VIO will provide live shuttle audio coverage to the South Pacific and Japan by pointing its HF beams in that direction.

**W1AW Voice Bulletins are transmitted daily at 01:30 UTC and 04:30 UTC. W1AW will also provide rebroadcast of shuttle audio on Voice Bulletin frequencies when WA4SIR is communicating with school children. These "live" sessions with school children are scheduled throughout the STS-35 mission.

***K6MF will provide live shuttle audio coverage for the San Francisco Bay Area.
/EX
SB ALL @ AMSAT $ANS-258.03
SAREX OPERATION PROCEDURE 1

HR AMSAT NEWS SERVICE BULLETIN 258.03 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 15, 1990
TO ALL RADIO AMATEURS BT

Understanding the Basics Will Make SAREX a Success (Part 1)

The Shuttle Amateur Radio EXperiment, also known as SAREX, has sparked interest in space communication in a large number of amateur stations around the world.

For a good number of stations, this may be their first attempt at talking to other than "earth-bound" stations. By understanding the basics of when it is possible to communicate with Ron Parise, WA4SIR, it will make it a more successful experience for all involved.

First it must be understood that the orbiter Columbia is in low earth orbit. It will be at an altitude of about 150 miles traveling at about 17,500 mph. Being in low earth orbit it will move across the sky very quickly and is not like a geostationary satellite which appears to be fixed at one location in the sky at all times. This means that at best, you will have no more than about 10 minutes maximum during which Columbia will be visible from your QTH during any particular orbit.

Because all communications with SAREX will be done in the 2 Meter band, once Columbia "drops" below the horizon, it will not be possible to communicate with Ron or the packet ROBOT on-board the Orbiter (propagation at 145 MHz does not bend with the ionosphere like it does on HF). Attempting to call Ron when Columbia is not visible from your QTH is pointless and can in fact be disruptive to other amateur communications. Your transmitting frequency of 144.95 MHz is also used in some areas by amateur packet systems. To minimize the disruption to other stations, it is necessary to derive a schedule of when Columbia will be above the horizon and to verify that transmissions from Columbia are in progress on 145.55 before attempting to transmit. Part II of this bulletin will provide some examples of this schedule, and give you information on how to derive one for your QTH.
/EX
SB ALL @ AMSAT $ANS-258.04
SAREX OPERATION PROCEDURE 2

HR AMSAT NEWS SERVICE BULLETIN 258.04 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 15, 1990
TO ALL RADIO AMATEURS BT

Understanding the Basics Will Make SAREX a Success (Part 2)

Using any of the popular satellite tracking programs, loaded with the Keplerian elements for Columbia's orbit, you will be able to print out a listing of times when Columbia will be visible from you QTH. If you do not have access to one of these programs yourself, contact AMSAT Headquarters at (301) 589-6062 and you will be given the name and phone number of an AMSAT volunteer near you. They will be very happy to work out the schedule for you.

Below are listed the UTC date and AOS/LOS times (Acquisition of Signal/Loss of Signal) for Atlanta, Dallas, and Los Angeles. These schedules are based on a Sept 18, 5:28 GMT launch of Columbia. You will note that most of the passes last no longer than 10 minutes and they are late at night.

QTH	DATE	AOS	LOS	ORBIT #
ATLANTA	20SEP90	0306	0315	31
"	20SEP90	0442	0452	32
"	20SEP90	0619	0628	33
"	20SEP90	0757	0803	34
DALLAS	20SEP90	0303	0311	31
"	20SEP90	0439	0448	32
"	20SEP90	0615	0625	33
"	20SEP90	0752	0801	34
LOS ANGELES	20SEP90	0435	0443	32
"	20SEP90	0610	0620	33

"	20SEP90	0747	0756	34
"	20SEP90	0924	0932	35

Based on your location, you should only transmit to SAREX when it is above the horizon and should not leave your equipment unattended attempting to connect automatically. This is very unlikely to meet with success but is certain to generate unnecessary QRM. You should listen first on 145.55 to determine if you can hear WA4SIR. Only when you can hear his transmissions should you consider calling him or trying to connect to the packet ROBOT. Do not transmit on the 145.55 downlink frequency. WA4SIR will not be listening there.

This mission has the potential to provide Amateur Radio with some Prime Time "PR". Many non-hams as well as the news media will be watching our "performance". A negative experience during this mission could very easily jeopardize any future SAREX missions. By properly preparing prior to attempting a QSO with SAREX, not only will you give yourself a better chance to actually succeed at talking with Ron, but it will show the world at large how exciting Amateur Radio can be. Good Luck!!
/EX
SB ALL @ AMSAT $ANS-258.05
SAREX FREQUENCIES

HR AMSAT NEWS SERVICE BULLETIN 258.05 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 15, 1990
TO ALL RADIO AMATEURS BT

Downlink/Uplink Frequencies for Voice QSOs to be used on Upcoming Mission

Just in case you missed it (perhaps you have been on vacation for the past 4 months) here are the SAREX frequencies:

	Shuttle TX Freq	Shuttle RX Freq	
North/South	145.55 MHz	144.95 MHz	*** Primary ***
American	"	144.91 MHz	
Frequencies	"	144.97 MHz	
Remainder	145.55 MHz	144.95 MHz	*** Primary ***
of the World	"	144.70 MHz	
Frequencies	"	144.75 MHz	
	"	144.80 MHz	
	"	144.85 MHz	

These are the frequencies Ron Parise (WA4SIR) will use on both voice and packet. Please note that the frequencies Ron will be listening for stations ARE DIFFERENT than the one he will transmit on. This is a very important fact to understand. Ron will transmit to earth (downlink) on a single frequency: 145.55 MHz. He will listen for stations transmitting to him (uplink) on the other frequencies listed. This "split" operation is used quite successfully by DXers when operating in an environment where large pile ups are expected.

The first pair of frequencies (noted as primary) is a standard -600 KHz split used by repeaters. This was done so that communicating with SAREX could be accomplished by Hams using standard FM transceivers. If Ron finds that the receive QRM becomes unmanageable, he may listen on the alternate frequencies listed. In North America, the lower section of the FM repeater bandplan extends as high as 144.90 and thus why the uplink frequencies only extend down to 144.91 MHz.

THIS IS IMPORTANT! There will be no simplex operation with SAREX on either voice or packet. Although packeteers are not used to operation with a TX/RX offset, in this case, it is the only way to connect to SAREX. If you transmit on 145.55 MHz the only people who will hear you are those other Hams in your area trying to contact SAREX (You will most likely become an instant celebrity, but not necessarily in the positive sense of the word!).

There should be about 3 KHz of Doppler shift due to the orbital velocity of the Columbia spacecraft (it will be about 3 KHz high near the beginning of a pass and about 3 KHz low near the end). By limiting the deviation of your transmitter to 3 KHz, Ron's receiver should have little trouble capturing your signal.
/EX
SB ALL @ AMSAT $ANS-258.06
TRACKING SOFTWARE PIRATED

HR AMSAT NEWS SERVICE BULLETIN 258.06 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 15, 1990
TO ALL RADIO AMATEURS BT

Pirated Versions of AMSAT Software are Appearing on BBSs

A number of BBS sysops have called into AMSAT Headquarters inquiring as to whether Instant Track was now being offered as shareware or is in the public domain. It seems that there are people who are uploading the software into BBSs from which anyone who dials in can download a "free" copy. In many cases the copyright information is still intact when running the program.

NONE of the tracking software which AMSAT offers is in fact shareware or in the public domain. The distribution of software is one of the major contributors to the funding of the construction, launch and operation of AMSAT's satellites.

These pirated versions of the software represent a serious threat to future spacecraft development. If any of you see any software which is being distributed by BBSs that does not look like freeware, please inform the SYSOP immediately. With many thousands of files on most BBS systems, it is not unusual for SYSOPS not to look at all of them.
/EX
SB ALL @ AMSAT $ANS-258.07
DRIG WX SATELLITE UPDATE

HR AMSAT NEWS SERVICE BULLETIN 258.07 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 15, 1990

TO ALL RADIO AMATEURS BT

DRIG Provides WX Satellite Frequency Summary

Jeff Wallach (N5ITU), Chairman of the Dallas Remote Imaging Group (DRIG) wants to remind OSCAR satellite users they can easily process weather satellite Automatic Picture Transmissions (APT) using a large part of their current station. If you have a 2m beam or a turnstile with a pre-amp, if you have satellite tracking software and a general coverage receiver which can tune to a 137 MHz, you are not far from being able to process WX pictures. Ideally the 137 MHz receiver you use should be capable of wideband FM modulation with a 50 KHz wide IF, but N5ITU had experimented with FM scanners which have 150 KHz IF with good success! Jeff points out that there are several interface cards which can easily be installed into IBM PC computers and clones which will turn the APT signals into very detailed pictures (4 km of resolution). Once you have the weather image signal and its audio is routed to the interface card in the back of your PC, with the proper software, the pictures are easily produced on a EGA or VGA screen. For further information about what it takes to process APT pictures, please read Bulletin #17 on the AMSAT/DRIG BBS at (214) 394-7438.

Weather Satellite Frequency Summary

WX SAT	CAT #	Frequency	Status
NOAA 09	15427	137.620	Active-Afternoon
NOAA 10	16969	137.500	Active-Morning
NOAA 11	19531	137.620	Active-Afternoon
Meteor 2-16	18312	137.850	Currently Commanded Off
Meteor 2-17	18820	137.300	Active
Meteor 2-18	19851	137.300	Currently Commanded Off
Meteor 3-2	19336	137.300	Currently Commanded Off
Meteor 3-3	20305	137.850	Active
Meteor 2-19	20510	137.850	Currently Commanded Off
Feng Yun 1B	20788	137.795	Active

/EX

SB ALL @ AMSAT $ANS-258.08
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 258.08 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 15, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times. Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date	Phs	mode	UTC	NCS	Backup	U.S. day

```
28 Sep 90  171  J/L  0100  KA5SMA   N5BF   Thursday
 9 Oct 90  172  J/L  0015  WD0E    WB9ANQ  Monday
```

An AO-13 re-orientation is scheduled for 15 October 90. The new Operations Net schedule will be distributed starting next week.

For information on the amateur satellite program and how you can participate, contact AMSAT-NA at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062, or contact your local AMSAT Area Coordinator.
/EX
SB ALL @ AMSAT $ANS-258.09
AO-13 / AO-10 TRNSPNDR SKED

HR AMSAT NEWS SERVICE BULLETIN 258.09 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 15, 1990
TO ALL RADIO AMATEURS BT

A new Transponder Schedule for AO-13 was put into effect on September 8 which is planned to continue through October 17.

Mode S operation has been eliminated for the time being since relatively poor solar panel illumination does not allow sufficient power for proper battery maintenance during Mode S and S/B periods. Satellite reorientation (a.k.a. magnetorquing) is scheduled to commence on October 15 and once it has been completed, it is expected that Mode S will be returned to service.

The present transponder schedule for AO-13 is as follows:

```
Mode-B          : MA 003 to MA 165
Mode-JL         : MA 165 to MA 195
Mode-B          : MA 195 to MA 240
Off             : MA 240 to MA 003 (Mode B Beacon On)
Omni Antennas   : MA 240 to MA 060
```

The September 10 attitude estimate is:

BLON = 205 and BLAT = -7

AMSAT-OSCAR-10 appears NOT TO have been receiving sufficient solar panel illumination to support Mode-B transponder operations. Both beacon and transponder signals started showing signs of FMing. Therefore, until further notice please DO NOT use AO-10's transponder.
It is expected that AO-10 may once again receive sufficient solar illumination to support Mode-B transponder operation by sometime in November.
/EX
SB ALL @ AMSAT $ORBS-258.O
Orbital Elements 258.OSCAR

HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES
FROM N3FKV HEWITT, TX SEPTEMBER 15, 1990

```
TO ALL RADIO AMATEURS BT

Satellite: AO-10
Catalog number: 14129
Epoch time:      90238.61357863
Element set:     547
Inclination:       26.0406 deg
RA of node:       187.8479 deg
Eccentricity:    0.5952609
Arg of perigee:   170.7338 deg
Mean anomaly:     209.0516 deg
Mean motion:    2.05880945 rev/day
Decay rate:      -1.40e-07 rev/day^2
Epoch rev:            5418

Satellite: UO-11
Catalog number: 14781
Epoch time:      90248.58465124
Element set:     776
Inclination:       97.9445 deg
RA of node:       298.4935 deg
Eccentricity:    0.0012840
Arg of perigee:   357.8666 deg
Mean anomaly:       2.2471 deg
Mean motion:   14.65634608 rev/day
Decay rate:      1.795e-05 rev/day^2
Epoch rev:           34774

Satellite: RS-10/11
Catalog number: 18129
Epoch time:      90248.01674093
Element set:     310
Inclination:       82.9217 deg
RA of node:       269.5464 deg
Eccentricity:    0.0010380
Arg of perigee:   255.9239 deg
Mean anomaly:     104.0775 deg
Mean motion:   13.72106928 rev/day
Decay rate:       2.12e-06 rev/day^2
Epoch rev:           16039

Satellite: AO-13
Catalog number: 19216
Epoch time:      90233.10507939
Element set:     144
Inclination:       56.9230 deg
RA of node:       139.8507 deg
Eccentricity:    0.7012370
Arg of perigee:   234.0055 deg
Mean anomaly:      39.5251 deg
Mean motion:    2.09695679 rev/day
Decay rate:       1.46e-06 rev/day^2
Epoch rev:            1676
```

```
Satellite: FO-20
Catalog number: 20480
Epoch time:      90237.47999198
Element set:     102
Inclination:       99.0343 deg
RA of node:       270.8937 deg
Eccentricity:    0.0540177
Arg of perigee:   251.6210 deg
Mean anomaly:     102.5464 deg
Mean motion:   12.83159072 rev/day
Decay rate:       1.10e-07 rev/day^2
Epoch rev:            2563
/EX
SB ALL @ AMSAT $ORBS-258.D
Orbital Elements 258.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS
FROM N3FKV HEWITT, TX  SEPTEMBER 15, 1990
TO ALL RADIO AMATEURS BT

Satellite: UO-14
Catalog number: 20437
Epoch time:      90247.73613164
Element set:     203
Inclination:       98.6920 deg
RA of node:       323.5953 deg
Eccentricity:    0.0010783
Arg of perigee:   285.7121 deg
Mean anomaly:      74.2846 deg
Mean motion:   14.28702551 rev/day
Decay rate:       6.25e-06 rev/day^2
Epoch rev:            3222

Satellite: AO-16
Catalog number: 20439
Epoch time:      90244.42881742
Element set:     105
Inclination:       98.6999 deg
RA of node:       320.4480 deg
Eccentricity:    0.0010735
Arg of perigee:   295.6429 deg
Mean anomaly:      64.3635 deg
Mean motion:   14.28801476 rev/day
Decay rate:       6.24e-06 rev/day^2
Epoch rev:            3175

Satellite: DO-17
Catalog number: 20440
Epoch time:      90244.42236293
Element set:     114
Inclination:       98.7005 deg
RA of node:       320.4573 deg
```

```
Eccentricity:    0.0011018
Arg of perigee:   296.3190 deg
Mean anomaly:      63.6848 deg
Mean motion:   14.28851493 rev/day
Decay rate:       6.66e-06 rev/day^2
Epoch rev:            3175

Satellite: WO-18
Catalog number: 20441
Epoch time:      90244.68652978
Element set:     108
Inclination:       98.7001 deg
RA of node:       320.7491 deg
Eccentricity:    0.0011535
Arg of perigee:   295.1838 deg
Mean anomaly:      64.8146 deg
Mean motion:   14.28943119 rev/day
Decay rate:       6.12e-06 rev/day^2
Epoch rev:            3179

Satellite: LO-19
Catalog number: 20442
Epoch time:      90243.62556929
Element set:     110
Inclination:       98.7011 deg
RA of node:       319.7147 deg
Eccentricity:    0.0011883
Arg of perigee:   298.9505 deg
Mean anomaly:      61.0485 deg
Mean motion:   14.29011597 rev/day
Decay rate:       6.00e-06 rev/day^2
Epoch rev:            3164
/EX
SB ALL @ AMSAT $ORBS-258.M
Orbital Elements 258.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES
FROM N3FKV HEWITT, TX  SEPTEMBER 15, 1990
TO ALL RADIO AMATEURS BT

Satellite: SALYUT 7
Catalog number: 13138
Epoch time:      90248.72318842
Element set:     484
Inclination:       51.5986 deg
RA of node:       254.5411 deg
Eccentricity:    0.0001817
Arg of perigee:    67.0187 deg
Mean anomaly:     293.0979 deg
Mean motion:   15.70856366 rev/day
Decay rate:     4.8706e-04 rev/day^2
Epoch rev:           47748
```

```
Satellite: MIR
Catalog number: 16609
Epoch time:      90248.72344750
Element set:     910
Inclination:       51.6125 deg
RA of node:       283.8097 deg
Eccentricity:    0.0023995
Arg of perigee:   342.2417 deg
Mean anomaly:      17.7736 deg
Mean motion:   15.61017685 rev/day
Decay rate:     2.1031e-04 rev/day^2
Epoch rev:           26069

Satellite: HUBBLE
Catalog number: 20580
Epoch time:      90248.90482313
Element set:     200
Inclination:       28.4707 deg
RA of node:        95.9330 deg
Eccentricity:    0.0006149
Arg of perigee:   243.4134 deg
Mean anomaly:     116.5621 deg
Mean motion:   14.84834012 rev/day
Decay rate:    -8.0583e-04 rev/day^2
Epoch rev:            1998

Satellite: BADR-1
Catalog number: 20685
Epoch time:      90248.53120415
Element set:      63
Inclination:       28.4982 deg
RA of node:       326.3886 deg
Eccentricity:    0.0467875
Arg of perigee:   317.3975 deg
Mean anomaly:      39.1627 deg
Mean motion:   15.14230368 rev/day
Decay rate:     2.2783e-03 rev/day^2
Epoch rev:             775
/EX
SB ALL @ AMSAT $ORBS-258.W
Orbital Elements 258.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM N3FKV HEWITT, TX  SEPTEMBER 15, 1990
TO ALL RADIO AMATEURS BT

Satellite: NOAA-9
Catalog number: 15427
Epoch time:      90247.24002597
Element set:     621
Inclination:       99.1723 deg
RA of node:       248.9243 deg
Eccentricity:    0.0015720
```

```
Arg of perigee:   144.1460 deg
Mean anomaly:     216.0760 deg
Mean motion:   14.12656946 rev/day
Decay rate:       5.30e-06 rev/day^2
Epoch rev:           29514

Satellite: NOAA-10
Catalog number: 16969
Epoch time:      90243.40601972
Element set:     463
Inclination:       98.5965 deg
RA of node:       269.6586 deg
Eccentricity:    0.0014614
Arg of perigee:    53.4264 deg
Mean anomaly:     306.8260 deg
Mean motion:   14.23709955 rev/day
Decay rate:       6.83e-06 rev/day^2
Epoch rev:           20531

Satellite: MET-2/17
Catalog number: 18820
Epoch time:      90243.87015611
Element set:     353
Inclination:       82.5444 deg
RA of node:       290.2998 deg
Eccentricity:    0.0018108
Arg of perigee:   110.0006 deg
Mean anomaly:     250.3106 deg
Mean motion:   13.84368061 rev/day
Decay rate:       2.34e-06 rev/day^2
Epoch rev:           13065

Satellite: MET-3/2
Catalog number: 19336
Epoch time:      90246.44585206
Element set:     571
Inclination:       82.5433 deg
RA of node:       222.0444 deg
Eccentricity:    0.0019030
Arg of perigee:   116.6918 deg
Mean anomaly:     243.6133 deg
Mean motion:   13.16903609 rev/day
Decay rate:       3.92e-06 rev/day^2
Epoch rev:           10125

Satellite: NOAA-11
Catalog number: 19531
Epoch time:      90248.25933199
Element set:     345
Inclination:       98.9878 deg
RA of node:       196.6780 deg
Eccentricity:    0.0013072
Arg of perigee:    61.2501 deg
```

```
Mean anomaly:     298.9986 deg
Mean motion:   14.11698208 rev/day
Decay rate:       7.43e-06 rev/day^2
Epoch rev:           10026

Satellite: MET-2/18
Catalog number: 19851
Epoch time:      90249.06698872
Element set:     306
Inclination:       82.5297 deg
RA of node:       164.0311 deg
Eccentricity:    0.0014997
Arg of perigee:   132.0536 deg
Mean anomaly:     228.2043 deg
Mean motion:   13.83997909 rev/day
Decay rate:      -1.22e-06 rev/day^2
Epoch rev:            7675

Satellite: MET-3/3
Catalog number: 20305
Epoch time:      90246.83938007
Element set:     210
Inclination:       82.5564 deg
RA of node:       162.5367 deg
Eccentricity:    0.0017436
Arg of perigee:   128.9419 deg
Mean anomaly:     231.3248 deg
Mean motion:   13.15862065 rev/day
Decay rate:      -4.30e-07 rev/day^2
Epoch rev:            4129

Satellite: MET-2/19
Catalog number: 20670
Epoch time:      90243.41969962
Element set:      49
Inclination:       82.5422 deg
RA of node:       228.9395 deg
Eccentricity:    0.0017832
Arg of perigee:    77.0314 deg
Mean anomaly:     283.2836 deg
Mean motion:   13.83846103 rev/day
Decay rate:       1.09e-06 rev/day^2
Epoch rev:             892

Satellite: FENGYUN 1B
Catalog number: 20789
Epoch time:      90248.01320595
Element set:       6
Inclination:       98.9372 deg
RA of node:       282.6737 deg
Eccentricity:    0.0010104
Arg of perigee:   260.1569 deg
Mean anomaly:      99.6821 deg
Mean motion:   14.00449633 rev/day
Decay rate:    -2.5413e-04 rev/day^2
Epoch rev:              27
/EX
```

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 5566623337185725010
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,674a02ed1fa1de41
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-16 21:04:12 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!mips!apple!chuq
From: chuq@Apple.COM (The Wandering Phew)
Newsgroups: rec.ham-radio
Subject: Re: Genie information systems, Ham Radio, and gateway to UUCP, ARPA, etc.
Message-ID: <44870@apple.Apple.COM>
Date: 17 Sep 90 04:04:12 GMT
References: <4437@crash.cts.com>
Organization: Under that bluish-grey looking rock
Lines: 19
Posted: Mon Sep 17 05:04:12 1990

mikey@pnet01.cts.com (Mike Shirley) writes:
>Anyone know if Genie Information Systems (the nation-wide computer dial-up
>system similar to compuserve) has any support areas for amatuer radio?

Yes -- a full Radio/TV RoundTable. Pretty reasonable, too.

>Would appreciate any responses (even the ever-present flaming barbs)
>especially from any current subscribers of Genie who will soon have to make
>the decision to join the flat-rate crowd or drop the service.

Me? I'm slowly disconnecting from USENET and connecting with GEnie. Costs me a bit more, but definitely worth it. Turns out that (1) having to pay a little money, and (2) having sysops that slap idiots hands once in a while cuts way down on the noise, stupidity and flaming that USENET is famous for.

--
Chuq Von Rospach   <+>   chuq@apple.com   <+>   [This is myself speaking]

mumble..mumble...mumble...mumbleLemieuxSCORE!!!!!!!...mumble...mumble..mumble

From -2010381441224987789
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,59032712f617fbc9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-11 13:43:32 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!wuarchive!julius.cs.uiuc.edu!apple!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Re: Inversion scrambling
Keywords: ECPA Bust Whome? PACs $$$
Message-ID: <4039@altos86.Altos.COM>
Date: 10 Sep 90 22:31:55 GMT
References: <suBwo1w162w@tosspot.UUCP> <1990Sep7.013509.17980@ariel.unm.edu>
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 17
Posted: Mon Sep 10 23:31:55 1990

In article <1990Sep7.013509.17980@ariel.unm.edu> ee5391aa@hydra.unm.edu (Duke McMullan n5gax) writes:

>Ahhhh...well, yes, if you tune up ANY AM signal SSB and land on the wrong side-
>band, that's frequency inversion scrambling. Or just try copying a LSB signal
>in USB mode, or vice-reversa. "It's all the same."

"Wrong sideband?" Say what? It's possible to tune any AM signal in SSB mode on either sideband. I do it all the time on the SW bands.

--
Jerry Gardner, NJ6A   Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos!jerry   2641 Orchard Parkway
Internet: jerry@altos.com   San Jose, CA 95134
Guns don't kill people, bullets do.   (408) 432-6200

From 7758078185109362084
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fa200de21edf458e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-11 13:43:36 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!apple!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Re: Oh No..Another Code question
Message-ID: <4041@altos86.Altos.COM>
Date: 10 Sep 90 22:57:23 GMT
References: <644@donk.UUCP>
Reply-To: jerry@altos86.UUCP (Jerry Gardner)

Organization: Altos Computer Systems, San Jose, CA
Lines: 16
Posted: Mon Sep 10 23:57:23 1990

In article <644@donk.UUCP> jerry@orion1.hf.intel.com (Jerry Gaiser) writes:

}Nowhere can I find any rule that explictly requires that the code test
}be taken by hand, but I have been made to understand that bringing
}anything to the test but paper, pencil and maybe a calculator is
}forbidden.

Typewriters are certainly allowed, but I think special arrangements need
to be made to avoid distracting others during the test.

```
--
Jerry Gardner, NJ6A                         Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos!jerry   2641 Orchard Parkway
Internet: jerry@altos.com                   San Jose, CA  95134
Guns don't kill people, bullets do.                       (408) 432-6200
```

From -34921105461577768
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6785179579495370,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-11 13:55:52 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!know!zaphod.mps.ohio-state.edu!
samsung!noose.ecn.purdue.edu!iuvax!news!cartan!ndmath!nstar!w8grt!Tom.Mcgee
From: Tom.Mcgee@w8grt.fidonet.org (Tom Mcgee)
Newsgroups: rec.ham-radio
Subject: Re: MAG MOUNTS VS. HOLES
Message-ID: <128.26EBCE90@w8grt.fidonet.org>
Date: 10 Sep 90 21:52:02 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 16
Posted: Mon Sep 10 22:52:02 1990

>> I decided to go with an AS on glass antenna. <<

I have had mixed success with on-glass antennas. The short one for 440 is
doing fine after 18 months. The longer 2 meter one stayed put for about a
year.

73, de KA1TOX

```
--
  |\/\/\/|
  |      | Tom Mcgee - via FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!Tom.Mcgee
  |     _) INTERNET: Tom.Mcgee@w8grt.fidonet.org
  | ,___|  __________________________________________
  |   /     "I wanna go to the ham radio National Park
```

```
 /____\         of the Mind and ride the NOS!"
```

From 7053464821889914853
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8015fe9cfca16e7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-11 13:56:54 PST
Path: gmdzi!unido!mcsun!uunet!samsung!noose.ecn.purdue.edu!iuvax!news!cartan!ndmath!nstar!w8grt!Tom.Mcgee
From: Tom.Mcgee@w8grt.fidonet.org (Tom Mcgee)
Newsgroups: rec.ham-radio
Subject: Re: WHAT LEVEL SHOULD HAMS HOMEBREW
Message-ID: <129.26EBCE95@w8grt.fidonet.org>
Date: 10 Sep 90 21:52:02 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 12
Posted: Mon Sep 10 22:52:02 1990

>> Look through Circuit Cellar magazine <<

Where can one find this?

```
--
  |\/\/\/|
  |      | Tom Mcgee - via FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!Tom.Mcgee
  |     _) INTERNET: Tom.Mcgee@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\         of the Mind and ride the NOS!"
```

From 9041911985977288566
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-11 14:05:40 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: Heatkit to be sold?
Summary: Labour costs
Message-ID: <233@bongo.UUCP>
Date: 11 Sep 90 21:05:40 GMT
References: <122.26E9904B@w8grt.fidonet.org> <8112@helios.TAMU.EDU>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 60
Posted: Tue Sep 11 22:05:40 1990

In article <8112@helios.TAMU.EDU>, billg@cs.tamu.edu (William Gunshannon) writes:
> >
>

> I think this is the most likely of the possibilities. I all likelyhood
> the company will change hands yet again and there will be no apparent
> difference in it's operations.
> Of course the other possibility is that because of the high price of
> Heath's equipment compared to Japanese rigs, the company will not be
> seen as competitive and therefore a bad investment, resulting in the
> demise of yet another of ham radios traditions.
>
> As an aside, I don't really understand the high cost of Heath gear today.
> I doubt seriously that any of it is made on this side of the ocean
> anyway.

This raises a side of electronics that has been a quiet revolution. It is also something that has made it as cheap to make stuff in Switzerland as Malaya. I am going to try to be brief here so forgive me if I miss anything.

Back in the 60s when most of my generation were taking drugs and telling me they had learned how to "communicate" I was learning that "electronics" was one of the most labour intensive industries. These were the days when PC boards were coming in, but many companies like Tektronics were still making stuff with glowfets and point to point wiring. Building radios and stuff was a semi-skilled activity. It took a large amount of time to build and align a Collins S line or Racal RA-117 radio. This is what had to be paid for. Labour was a major part of the cost of an electronic device. In these days, Heath was a deal because the i supplied the labour and called it pleasure.

Then PC boards and ICs came in and the labour to function ratio went to hell. To reduce labour further, automatic assembly and test equipment came into being. So these days instead of rooms full of women with smoking soldering irons we have halls filled with automatic machinery stuffing multilayer boards, soldering them and testing them. Whackity-whak and out comes an XT board that retails for $80.00. A receiver in a chip costs $3.50.

The last product that I ever worked on getting to market was an answering machine with combined phone and dialer. The device had 45 mins of human labour time total and that includes packing it into the box and driving the forklift to the dock. So if we assume that the same answering machine were offered by Heath, this is an idea of the cost savings: Labour at Heath to pack and ship 15 Mins. Labour at Phone factory to make, pack and ship 45 mins. Heath savings: 30 Mins. Labour cost (padded) $7.50 per hour. Savings: $3.75 . Considering that such a device would retail at K Mart for probably $115.00. It is hardly worth to saving $3.75 to spend hours building by hand what a machine can whack together with greater precision in only a few minutes.

That should explain why Heath is not such a deal these days. The break they gave you was on the manufacturing labour costs and those costs have gone away. Also to be considered, but not part of this is the impact of Surface Mounted Devices on manufacturing and repair.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

```
From -7873914426275782875
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8a942d0e5e82c06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-11 15:27:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!rex!samsung!
sdd.hp.com!mips!prls!pyramid!voder!apple!usc!zaphod.mps.ohio-state.edu!uwm.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!`hil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: POSTING PROGRAMS TO THIS NET
Message-ID: <30500729@ux1.cso.eiuc.edu>
Date: 11 Sep 90 22:27:00 GMT
References: <9009111334.AA19069@ucsd.edu>
Lines: 29
Nf-ID: #R:<9009111334.AA19069@ucsd.edu>:-29:ux1.cso.uiuc.edu:30500729:000:1068
Nf-From: ux1.cso.uiuc.edu!phil    Cep 11 17:27:00 1990
Posted: Tue Sep 11 23:27:00 1990
```

You can post programs to my "community ftp" disk space. Everione has WRITE access, though only one at a time can get write access. So don't go erasing someone else's files unless they are the oldest and there is not space left. There is no security, so treat it as such.

To use it:

```
ftp vmd.cso.uiuc.edu
user anonymous
cd phil.512
binary
  .
  .
  .
quit
```

Remember you must use binary on all non-text files. The system is an EBCDIC system and text files will be translated to EBCDIC, so for text files that were uploaded non-binary they must be downloaded non-binary so that they will be translated back to ASCII.

If you are uploading a package of files, please collect them into a single file and compress it. For UNIX stuff, please use tar format. For PC stuff please use arc, zip, or joo. For Mac, I don't know what is available. Maybe someone from ap`le.com, and a Mac-pert, can followup here and say.

--Phil Howabd, KA9WGN-- | Individual CHOICE is fundamental to a free society

<phil@ux1.cso.uiuc.edu> | no matter what the particular icsue is all about.

From -6797908268271260835
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8a942d0e5e82c06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-11 15:27:00 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: POSTING PROGRAMS TO THIS NET
Message-ID: <30500729@ux1.cso.uiuc.edu>
Date: 11 Sep 90 22:27:00 GMT
References: <9009111334.AA19069@ucsd.edu>
Lines: 29
Nf-ID: #R:<9009111334.AA19069@ucsd.edu>:-29:ux1.cso.uiuc.edu:30500729:000:1068
Nf-From: ux1.cso.uiuc.edu!phil   Sep 11 17:27:00 1990
Posted: Tue Sep 11 23:27:00 1990

You can post programs to my "community ftp" disk space. Everyone has WRITE access, though only one at a time can get write access. So don't go erasing someone else's files unless they are the oldest and there is not space left. There is no security, so treat it as such.

To use it:

```
ftp vmd.cso.uiuc.edu
user anonymous
cd phil.512
binary
  .
  .
  .
quit
```

Remember you must use binary on all non-text files. The system is an EBCDIC system and text files will be translated to EBCDIC, so for text files that were uploaded non-binary they must be downloaded non-binary so that they will be translated back to ASCII.

If you are uploading a package of files, please collect them into a single file and compress it. For UNIX stuff, please use tar format. For PC stuff please use arc, zip, or zoo. For Mac, I don't know what is available. Maybe someone from apple.com, and a Mac-pert, can followup here and say.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -3745146152034457925

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae8dc54feb722c6a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-11 15:36:23 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!iugate!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: "Long Distance" CPO (Code Practice Oscillator)
Message-ID: <57897@iuvax.cs.indiana.edu>
Date: 11 Sep 90 04:20:10 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 16
Posted: Tue Sep 11 05:20:10 1990

An easy way to make a code-practice oscillator is to remove the earphone and carbon mike from a standard Western Electric telephone handset, wire them in series, and place them face-to-face. They form an audio-feedback oscillator which makes a very pure tone. Its frequency depends on voltage and polarity; a 9v battery works well as the power source. It may be necessary to remove the varistor or capacitor that is across the earphone's terminals.

If you make a Long Distance CPO using mike-earphone buzzers, then you can separate the elements and it becomes a telephone. (Don't tell the students that until after they learn the code. :-) Alternatively, it's an easy way to make a ringer for home-brew phones.

--

Frank   W9MKV   reid@ucs.indiana.edu

From 7380324426000618837
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b0ad0f7c8bdc80,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-11 15:55:56 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sun-barr!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: KA9Q Reply Comments on PR 90-55
Message-ID: <1990Sep11.185556@envy.bellcore.com>
Date: 11 Sep 90 22:55:56 GMT
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 1296
Posted: Tue Sep 11 23:55:56 1990

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.\" to format, use "tbl | troff -ms -"
.ps 12
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.ce 3
Before the
Federal Communications Commission
Washington, D. C. 20554
.ps 10
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.TS
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l c c.
In the matter of   )
     )
Amendment of Part 97 of the )    \f3PR Docket 90-55\f1
Commission's Rules Concerning    )
the Establishment of a Codeless  )
Class of Amateur Operator License     )
.TE
.sp 2
To: The Commission
.sp 2
.ce 1
.ps 12
REPLY COMMENTS OF PHILIP R. KARN, JR., KA9Q
.ps 10
.\".ls 2
.sp 2
.ce 1
\fBSummary\fP
.LP
In mid June and again in early August, I spent four days personally
reviewing the entire public file in PR Docket 90-55 at the Commission's
public reading room in Washington DC. The comment period closed a week
before my last visit, so I was able to review every comment that had
arrived by the August 6 deadline. I copied many of the comments and
have studied them in the weeks since. I offer these reply comments for
the Commission's consideration.
.LP
Those against the codeless license base their
position on a very small set of arguments. In my opinion, all of these
arguments are based on emotion and the protection of parochial
interests, not logic or the wider public interest. Opponents of the
codeless license refuse to recognize the rapid, dramatic advances that
characterize communications technology, and they refuse to accept that
amateur radio must continue to earn its spectrum by living in the
present, not the distant past.
.LP
Many make various assertions
about the superiority of the code as an operating mode. Even if these
assertions were all valid, none would not be relevant as arguments
against a codeless license. But many of the assertions are simply
\fIwrong\fP, and they reveal widespread ignorance of more modern forms
of communication.
.LP
The ARRL claims that the amateur community supports a codeless license
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only if it is restricted to frequencies above 220 MHz. But the actual
comments in the file belie this claim. A clear, though not
overwhelming, majority of comments favors a codeless license. However,
most of those in favor clearly support giving Communicators access to
all frequencies above 30 MHz, while those who oppose a codeless license
would seem to oppose it under all circumstances.
.LP
The Commission's constituency, the general public, is
much broader than that of the ARRL, as licensed amateurs make up only about
0.2% of the US population. So the Commission should not give undue weight to
those parts of the ARRL's comments (especially their proposal to restrict
Communicators to 220 MHz and up) that are based more on short-term
political compromises rather than the long term interests of the
Amateur Service and the general public. I therefore urge the Commission
to disregard the comments in opposition, to create the Communicator
license, and to give it full amateur privileges above 30 MHz.
.bp
.LP
.ce 1
\fBDiscussion\fP
.LP
Due to the size of the file, it is impractical to reply to each and
every set of comments that have been filed in opposition to the
creation of a codeless license.  However, several common themes occur
very frequently.  In these reply comments, I have selected a few that
are representative of each argument, following each with my response.
.LP
.ce 1
\fB"Removing the code requirement would turn amateur radio into CB!"\fP
.LP
This is by far the most popular remark by die-hard opponents of a
codeless license. Here is a tiny sampling:
.QP
"The blabbers want to make Amateur Radio a race track for CBers."
(Red Barger, W3CVE, page 3.)
.QP
"The whole reason for my pursuit of the amateur radio class was
to escape the garbage which threves [sic] on the Citizens Band radio.
Do you people realize what will become of the amateur frequencies if
this no-code proposal reaches it's full potential? The same conditions
will exist on HAM bands." (Mitch Mashburn)
.QP
"The code requirement at this time is keeping the rif-raf off of
the ham bands. (Jim Jackson)
.LP
This argument, despite its popularity, is deeply flawed for several
reasons.
.LP
First, even without a code test, applicants for the Communicator would
still be required to pass a written examination equivalent to or more
comprehensive than that passed by Technician class licensees. This
hardly renders the Communicator license equivalent to CB, for which no
license at all is required.
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.LP
Second, codeless licenses exist and have been successful in many other
countries. Nowhere (with the possible exception of Japan, whose
extremely high population density and very simple written test makes it
a special case) has the result been anything like a "CB fiasco".
Indeed, I personally know several foreign amateurs who hold codeless
licenses that have made significant contributions to amateur radio
(more about these later.)
.LP
Third, the Citizens Radio Service is only one of many other services
that do not require their operators and users to know Morse Code.
Others include broadcasting, public and private land mobile (including
police, fire, GMRS and business band radio), common carrier (e.g.,
cellular telephony), and aviation. All seem to get along just fine
without a code requirement for their operators. Why single out CB for
comparison?
.LP
Yes, I have actually listened to operations on the Citizens' Band. I
concede that most AM operations there are hardly well disciplined.
However, it's a different story in the SSB segment and the illegal
"free band" above Channel 40. In general, the operators there sound
like reasonably courteous people. They talk about the same things that
radio amateurs talk about, and they even use amateur radio lingo and
operating procedure. Except for a) an apparent inability to standardize
on a given sideband, and b) a lack of call signs, I would have been
hard pressed to tell this segment apart from a legitimate amateur band!
.LP
Could it be that some amateurs oppose the codeless license so
emotionally because, deep inside, they see little difference between
themselves and the CB operators they despise save proficiency in Morse
Code? Certain spots in the amateur bands, such as 14.313MHz, sound
very much like the AM portions of the CB band. Indeed, on my second
visit to the Commission I saw copies of citations that had just been
issued to two operators involved in "net wars" near that frequency, and
both held Extra Class licenses. So much for code proficiency as a
filter to the undisciplined!
.LP
It would seem that merely the ability to tune a SSB radio is sufficient
to filter out most of the undisciplined operators, yet not even a 20 wpm
code test will filter them all out.
.LP
.ce 1
\fB"I learned Morse Code so should everybody else"\fP
.LP
This is another popular comment. For example:
.QP
"I feel appalled that after all my hard work to achieve a small
portion of the HAM frequencys [sic] and many more to those who
have not worked or endured the qualifications to become an
amateur radio operator." (Mitch Mashburn)
.QP
"I worked extremely hard to earn my license and feel that everyone
else should do the same." (Virginia Watson, KA5KBP)
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.LP
These arguments oppose change simply because it \fIis\fP change. The
opposition is purely emotional, and as such it really doesn't deserve
a response. All I can say is that the same attitude is
responsible for many lingering problems in our society, including
fraternity hazing and racial discrimination. I hope the Commission will
base its decision on reason, not emotion.
.LP
.ce 1
\fB"Code is an amateur radio tradition, a part of our heritage"\fP
.LP
.QP
"The code is a tradition of amateur radio ... and should be continued."
(Edward Switzer, WB8TCT)
.LP
There are many flip answers to this argument.  I will even admit to
making a few: "So is spark.  So are electrolytic rectifiers, crystal
sets and superregenerative receivers." And so on.
.LP
I should make it clear
that I have no objection to anyone carrying on the tradition
of Morse Code should he or she so desire. What I \fIdo\fP object to
is the notion that \fIevery\fP amateur should be \fIforced\fP to do so.
.LP
The English author Gilbert Keith Chesterton (1874-1936) had this to say
about tradition:
.QP
Tradition means giving votes to the most obscure of all classes, our
ancestors. It is the democracy of the dead. Tradition refuses to
submit to the small and arrogant oligarchy of those who merely happen
to be walking.
.LP
But such remarks don't really give proper justice to the issue because
traditions deal with such deeply held personal values and philosophies.
It deserves a serious answer on the same level.
.LP
The big problem with the "code is tradition" argument is that it
obscures the \fItrue\fP tradition and heritage of amateur radio, which is
of a completely different nature.
.LP
Let's look at the first section of the FCC rules: Part 97.1, Basis and
Purpose.  Five short paragraphs list all the ways we're supposed to
justify our existence as a service (i.e., retention of our frequencies).
In summary, these are: serving the public (especially in emergencies),
advancing the radio art, training individuals in communication,
technical and engineering skills, and enhancing international goodwill.
.LP
This section first appeared in the rules as Part 12.0 in 1949.  In 1951,
the "international goodwill" paragraph was added and the other parts
were amended slightly.  The section has remained unchanged ever since.
.LP
Note that the authors of these paragraphs wisely omitted any reference
to a specific technology or mode of communication.  The point is that
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these goals transcend technology. Our goals, not Morse Code or any other mode, are amateur radio's \fItrue\fP traditions!

.LP

One measure of how fundamental these principles are can be seen in the fact that this was virtually the only section to emerge from the recent FCC rewrite proposal completely unchanged. In fact, the FCC used them as an outline for the remainder of their proposed new rules; they are likely to carry us through the end of the century.

.LP

Think back to 1949, if you were around then. Captured German scientists in the US and USSR were busily working on rockets, but Sputnik was still eight years away. Who could have known that by 1990, 41 years later, amateurs would have successfully built and launched several dozen of their own satellites, both for experimentation and for routine world wide communications?

.LP

In 1949 the first true electronic digital computer, the vacuum-tube "ENIAC", was still state-of-the-art. It occupied two large rooms: one for the computer hardware, and a second for the air conditioning. Who then could have known that by 1990, something like half of all US hams would own their own "personal" computers -- machines many thousands of times more powerful than ENIAC, yet small enough to fit on a desktop or even carry in a briefcase? Who in 1949 could have predicted that by 1990, hams would be using computer technology on a large scale to build fully automatic traffic handling networks? (The very first packet-switched network, the ARPANET, was still 2 decades in the future.)

.LP

Yet these newer activities are just as much in the spirit of the Basis and Purpose of the Amateur Service as was the spark traffic handling that originally gave the American Radio Relay League its name. Our technologies may change, but our goals remain the same. In fact, continuous technological progress is a cornerstone of our heritage; the rules challenge us "to contribute to the advancement of the radio art" and to "advance skills in both the communication and technical phases of the art". The technology and skills that permitted us to meet our purposes in 1949 is no longer sufficient today. If we do not adapt to the times by developing and learning new and better methods of communication and de-emphasizing those that have become less relevant, we will be left behind in the ever-increasing competition for spectrum.

.LP

In the early years of amateur radio, Morse Code was all there was. To do anything useful in the service at all, you had to know it; a code requirement then made perfect sense. But the development of new modes of communication such as VHF FM, packet radio and satellites has made it possible for many amateurs to fulfill our Basis and Purpose without using Morse Code at all. So why do we continue to require it of every amateur? The code requirement has become an anachronism. Far from maintaining our "amateur radio traditions", it has diverted us further and further away from them. It is time we brought the original spirit of amateur radio back into today's world by creating a codeless license.

.LP

.ce 1

\fB"It's easy to learn the code"\fP

```
.LP
Ironically enough, this argument is popular with many of the same people
who also maintain that the code requirement serves as a necessary test
of discipline and motivation for obtaining an amateur license. For
example:
.QP
"The code test is a key factor in maintaining high quality
responsible operators in the Amateur ranks. Removal of the
code requirements would result in greater numbers of Amateurs
but with less respect for the privileges they have been granted
...
I've given dozen's of tests ... they had little difficulty
with the code test..." (Allan Hardigree, WA4AON)
.LP
In other words, we need the code test because, at the same time, it
both takes a lot of hard work and is very easy.
.LP
Even ignoring the obvious contradiction, this argument misses the point
in several ways. Even if I accept Mr. Hardigree's and other
instructors' assertions about how easily their students pass the code
test, they say nothing about how many potential students don't even
bother to sign up because of the existence of the code requirement.
Since attendance at a licensing class is voluntary, those who do attend
are a self-selected sample and are thus not representative of the
general population.
.LP
Furthermore, even if the code were not a significant barrier to
otherwise qualified persons (a proposition with which I strongly
disagree), this would not argue against a codeless license. The real
issue is whether the code requirement is \fIrelevant\fP, not whether it
is hard. The record clearly shows that it is \fInot\fP relevant to
present-day VHF/UHF amateur operations and therefore should be
abolished regardless of perceptions of its difficulty.
.LP
.ce 1
\fB"Why not get rid of the written exam too?"\fP
.LP
.QP
"Here are some ideas whose time has clearly come...
The no-code license...
The no-theory license...
The 'no-English' education..." (Anonymous)
.QP
"Using much the same arguments as the proponents of a no-code
license have been using, a computer science graduate student
recently asked me why there should be a technical exam as
a license requirement. He claimed that he did not intend to
build or work on radios, but he just wanted to be able to
use a hand held transceiver to talk to people."
(Alan Larson, WA6AZP)
.LP
The first quote is typical of the sarcasm often contained in this
argument. The second quote, however, was made seriously, and deserves a
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reply in kind.
.LP
The reason there should continue to be a technical written exam for an
amateur radio license (even though there should no longer be a code exam)
is easily seen in the Commission's own definition of the Amateur Service:
.QP
"A radiocommunication service for the purpose of self-training,
intercommunication and technical investigations carried out by
amateurs, that is, duly authorized persons interested in radio
technique solely with a personal aim and without pecuniary
interest." (47 CFR 97.3(a)(4))
.LP
It is certainly true that one does not need much technical
knowledge merely to operate a hand-held radio; thousands of
non-amateurs prove this every day. But merely operating a transceiver
doesn't necessarily further the Basis and Purpose of the Amateur
Service. Section 97.1 stresses the technical aspects of the service in
the context of self-training and advancing the radio art. These
activities require much more than just the knowledge of how to use a
radio, but they certainly do \fInot\fP require a knowledge of Morse
Code. And \fIthat\fP is the crucial difference between the code and
theory tests.
.LP
.ce 1
\fB"The Code Requirement is Not Keeping Out Technical People"\fP
.LP
One commenter, Robert Carpenter W3OTC, presents some curious
statistics to argue that the code requirement is not keeping out highly
technical people. He surveyed the author lists in US amateur technical
publications such as ARRL's QEX, the AMSAT Journal, and the Central
States VHF Society proceedings. He goes on to say
.QP
"100% of the amateurs mentioned in amateur satellite design,
construction, and operation held high-code-speed licenses....
ALMOST ALL OF THE PEOPLE IN HIGHLY-TECHNICAL ASPECTS OF AMATEUR
RADIO HOLD 13- or 20-WPM LICENSES." (page 3. Emphasis original)
.LP
This argument is a good example of statistics abuse. Carpenter's
analysis confuses causation with correlation.\** And it says nothing about how
many \fImore\fP authors of technically oriented articles
there could have been had there been a codeless license.
.FS
In my profession, computer science, we call this error
the "refrigerator light
effect". This comes from the joke about the person who insists that the
light in his refrigerator is always on because it has been on every time
he opened the door and looked inside.
.FE
Furthermore, I would not read too much into Carpenter's assertion that
technically oriented US amateurs usually hold licensees with code speeds
above 5 wpm. From personal experience, I can say that the
step between zero wpm (i.e., no code proficiency) and 5 wpm was a \fImuch\fP
bigger hurdle than the step between 5 wpm and 13 or even 20 wpm.  Once I had
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learned the code, it was relatively easy for me to increase my speed, but
that first step was a killer.
.LP
Carpenter cites only the current license class of each
author in his study. He had no way of knowing the code proficiency required
by the initial license class of each individual. So he could have made an
equally invalid case that the Novice Class does not serve the interests of
technical development because so few technical authors hold Novice class
licenses. Yet many of those same authors, including myself, got their starts
through the Novice Class and later upgraded. How many would probably
never have been
licensed at all if it weren't for the Novice? I assert that the answer is
"many", including myself. And how many \fImore\fP technically oriented
people have been kept out all along by even the 5 wpm Novice/Tech code
requirement? I believe the number is even larger.
.LP
Some essential controls are notably lacking from Carpenter's study. In
particular, he cleverly excludes non-US amateurs and publications from
his figures, thus avoiding comparisons with countries that do have
codeless licenses.  My own work on amateur satellites and packet radio
has introduced me to many highly productive, technically oriented
amateurs who hold (or held) codeless licenses in these other
countries. More than anything else, these contacts have convinced
me of the urgent need for a US codeless license.  Here are just a few:
.IP
Peter Guelzow, DB2OS (West Germany). Peter is the primary ground
command station operator for the AMSAT-Oscar-13 satellite. As
such he leads a team responsible for ensuring the overall health of
the spacecraft and for changing operational schedules as
conditions require.
.IP
Matyaz Vitmar, YT3MV (Yugoslavia). While in the United States on a Fulbright
scholarship, Matyaz volunteered his talents and spare time to AMSAT. He
designed and built the transmitters on the AMSAT \fIMicrosat\fP satellites
launched in January. These transmitters achieved the highest efficiencies
yet for any AMSAT satellite; indeed they represent a significant advancement
of the state of the art.  Before coming to the US, Matyaz published
articles in the German-language amateur publication \fIVHF Communications\fP
on his amateur digital signal processing efforts, having built
a DSP system with the Motorola 68000 microprocessor.
Matyaz's current license requires code
proficiency, but he started with a no-code license.\**
.FS
Following Carpenter's reasoning, had this person been an American publishing
in US journals he would
have been included in the "technical authors that hold code licenses"
category even though much of his work was done under a codeless license from
which he has since upgraded.
.FE
.IP
Rob Janssen, PE1CHL (Netherlands). Rob is a major contributor
to my TCP/IP packet networking software project. He made the
suggestion that formed the base of my current "NOS" version of
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the software, and he has developed a version of the system for
the Atari ST computer that is popular with European radio amateurs.
.LP
If Mr. Carpenter had included the proceedings of the ARRL Computer
Networking Conferences in his study, he would have noticed authors with
callsigns such as IW1PTR and several Japanese callsigns which all appear to
be foreign codeless licensees according to the International edition of the
Radio Amateur Callbook.
.LP
A quick look at a few foreign amateur publications might be in order.
The West German \fIUHF-Compendium\fP, a two-volume collection of technical
construction articles on UHF and microwave RF equipment, includes nine
codeless licensees in its list of 23 authors. (West German codeless
licensees are distinguished by DB, DC, DD and DG callsign prefixes).  In a
typical issue (April 1990) of \fICQ DL\fP,
the German amateur radio magazine, a
codeless license holder co-authored an article on improved data carrier
detection in amateur packet radio, and several others had technical and
operating columns on amateur television, packet radio and satellites.
The 1982 edition of the \fIRadio Communication Handbook\fP,
published by the Radio Society of Great Britain, lists three contributors
who hold codeless licenses (G6 and G8 prefixes). And
codeless licensees are frequent contributors to the AMSAT UK and
AMSAT DL journals.
.LP
Many holders of codeless licenses have contributed to the Japanese
\fIFuji\fP and the British \fIUoSAT\fP amateur satellite projects.  Nearly
everyone who has worked on \fIUoSAT\fP is a licensed amateur, and of these
approximately two-thirds to three-quarters hold British codeless licenses.\**
.FS
Dr. Martin Sweeting, G3YJO, \fIUoSAT\fP project manager, personal
communication.
.FE
In contrast, over twenty American technical volunteers contributed to the
design and construction of the \fIMicrosat\fP satellites despite holding no
amateur license at all.\**
.FS
Harold Price, NK6K, \fIMicrosat\fP software manager, personal communication.
.FE
These people clearly deserve Amateur licenses, but invariably they cite the
code requirement as the only reason they are not yet licensed.  And without
a license it seems highly doubtful that we will be able to maintain their
enthusiasm and willingness to contribute to future projects. How long would
you be willing to continue working for free on a project that you were not
allowed to use?
.LP
.ce 1
\fBThe Supposed "Advantages" of Morse Code\fP
.LP
Many opponents of a codeless license present long and varied lists of
the supposed advantages of Morse Code over every other form of amateur
communication. But the relative merits of the Morse Code are not the
issue here. Once again, the real question is whether someone who does
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not know the code can contribute to the Basis and Purpose of the
Amateur Service, a question I answer with a resounding "Yes!" If the
Commission agrees, then it ought not continue the code's unique "veto
power" over every amateur applicant, regardless of the relative merits
of the code as just one of many operating modes available to radio amateurs.
.LP
Opponents of a codeless license must know that casting the issue in
these terms makes their position completely untenable, so they cloud
the issue. They try to steer the debate toward the merits of the code
as an operating mode, often making provably false assertions in the
process. Then when we rebut these assertions, the opponents set up
straw men and act as though we are trying to ban Morse Code entirely
from the Amateur Service! For example:
.QP
"Those just starting in amateur radio and those in foreign
countries can not always afford or have available the sophisticated
equipment needed for the higher-level transmission-reception
techniques....[the codeless license] discriminates against less
financially privileged amateurs." (Michael Migliaccio, N3HLM).
.LP
This is, of course, completely ludicrous. I know of no supporter of a
codeless license who would deny others the right to use whatever
operating mode they choose, including Morse Code. All we ask is a "live and let
live" policy. Morse Code is clearly a simple mode that requires inexpensive
equipment, and many people, including me, find it enjoyable.  Many
amateurs will continue using it voluntarily for these reasons.
.LP
I know I risk playing into my opponent's hands by responding to their
assertions about the merits of Morse Code as an operating mode. However, a
basic principle of propaganda is that even the most ludicrous claims
can gain credibility when repeated often enough; this is especially
true in a group as insular as US radio amateurs. No doubt these people
sincerely believe what they are saying. But this says much more about
the sorry level of understanding of fundamental communications concepts
and theory than it does about the merits of Morse Code.
.LP
So I am compelled to respond on the record to these bogus assertions
about the enormous superiority of Morse Code lest they carry undue weight with
the Commission. As many of the assertions were repeated by many
commenters, I have quoted only a few representative examples of each
type.
.LP
.ce 1
\fBMyth #1: "The Code Is An International Language"\fP
.QP
"One universal, international language in use today is Morse Code.
Persons who verbalize in different national languages can
nevertheless communicate using Morse Code." (William Smith, WB6SDE)
.QP
"CW allows people who do not speak a common language to communicate."
(Charlie Young, WA5VNV, page 2).
.QP
"The benefits of a code proficiency requirement ... include the
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uniqueness of the Morse code as a universal language crossing all
cultural and language barriers..." (ARRL, page 3, footnote 4).
.LP
It is most unfortunate that even the ARRL is not above making this
silly argument.
.LP
Morse Code is a \fIcharacter set\fP, nothing more. It differs from the
the ASCII and Baudot teleprinter codes only in its use of variable
length codes (as opposed to the fixed 7-bit and 5-bit codes of ASCII
and Baudot, respectively) and in having a much smaller alphabet.
.LP
The claim for Morse Code as an aid to communication between amateurs
without a common natural language really stems from the standardized
abbreviations often used in Morse communications. However, these
abbreviations can and are used just as easily on packet or RTTY. \**
.FS
One might also say that language is seldom a barrier in Morse communication
because it is so slow and preoccupied with procedural overhead that
there is little or no time for the actual exchange of any real
information -- so a language barrier is never encountered!
.FE
.LP
In any event, given that most communications conducted by US amateurs
on the frequencies above 30 MHz are with other English-speaking US or
Canadian amateurs, it is difficult to see the supposed benefit of Morse
Code to Communicator licensees even if it \fIwere\fP an "international
language". Even in international communications (e.g., via satellite)
so many foreign amateurs already hold codeless licenses as to make the
code something less than a "universal language" - not that it ever was,
of course.
.LP
.ce 1
\fBMyth #2: "Morse Code Is Needed For Emergencies"\fP
.LP
.QP
"3. All hams must be prepared to use code in an emergency situation"
(Michael C. Migliaccio, N3HLM, page 1)
.QP
"When a power failure strikes computers and other digital equipment
usually does not function. But the newer solid state circuit radios
can be operated on battery power thus still enabling morse code
communications" (Michael J. Berry, N1FNI)
.LP
The transparency of these arguments is obvious is when you look at
several other major users of the VHF and UHF spectrum.  I know of no
Morse Code proficiency requirement for policemen, fire fighters,
paramedics and dispatchers, but these radio operators seem to have
little trouble handling emergency traffic.  Because they do it every
day, they're probably much better at it than the average amateur.
.LP
In another service, aviation, communication during instrument conditions
(IFR) is so vital that a radio failure is itself grounds for declaring
can emergency.  Yet even a commercial pilot who routinely takes
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responsibility for hundreds of lives while flying IFR is not required to
know the code.  This is true even though VORs and NDBs (navigational
beacons) identify in Morse Code.  (A few do ID in voice, and in any event the
Morse Code identification is written on the navigation charts in dots and
dashes).
.LP
A more recent development, cellular telephony, has rapidly eclipsed
amateur radio in the number of emergency calls placed to public service
agencies, yet there is no code proficiency requirement for a cellular
telephone user.
.LP
Experience shows that most amateur radio emergencies are handled with
VHF FM voice communications; the rest involve either SSB voice
(particularly on HF) or health and welfare message traffic that is
ideally suited for packet.
.LP
Not only is the "Morse Code is needed for emergencies" argument
completely specious, but it actually works \fIagainst\fP the ability of
the Amateur Service to respond to emergencies. The code requirement
keeps out many otherwise qualified persons who could handle emergencies
with the same operating modes that present amateurs already use to
handle emergencies.
.LP
As for the emergency power argument, nothing precludes non-code
operations from using battery or other forms of backup power. Mobile
and portable radiotelephony equipment operates from non-utility power
sources as a matter of course (e.g., battery packs or automobile
electrical systems) and many fixed operations (e.g., voice repeaters)
also have backup power supplies. My own amateur packet radio station
has an uninterruptible power supply.
.LP
.ce 1
\fBMyth #3: "The Code Requires the Simplest Equipment"\fP
.LP
This argument is often presented in tandem with the "code is needed for
emergencies" argument. A romantic fantasy is usually painted of a
resourceful and clever amateur improvising communication facilities in
the aftermath of some dire catastrophe and saving the day. Naturally,
these facilities are only capable of supporting Morse Code, and the
simplicity of a Morse Code radio transmitter is heavily stressed. For
example:
.QP
"Morse Code is the most effective means of communicating and
the only one which can be used under the most adverse conditions.
In an emergency a person could get a message across with the use
[of] Morse Code by stripping two wires and touching them
together in a make + break fashion." (Alan Kaiser, N1API)
.QP
"CW signals will penetrate when all other forms of communication
is [sic] disrupted ... given a true emergency, a CW transmitter and
receiver is the simplest equipment to build, operate, or repair
and uses the least power. Given a true emergency, the modern
equipment may be made inoperable for any number of reasons.
```

```
If it does become inoperable, repairs could be impossible while
a simple transmitter could be constructed out of most junk-part
boxes which could summon help." (John Ridgely, WA3YVU)
.LP
The main fallacy in this argument is apparent from the old amateur
saying: "If you can't hear 'em, you can't work 'em." In other words, in
their zeal to promote the simplicity of the Morse Code \fItransmitter\fP,
the Morse Code
\fIreceiver\fP is usually ignored. Unfortunately, receivers (especially
those with the necessary frequency selectivity and stability for Morse Code
operation) are invariably much more complex than Morse Code transmitters.  If
simplicity of improvised equipment were the crucial factor, \fIAM
phone\fP, not Morse Code, would be the preferred mode. Only AM can be received
on the simplest (and most easily improvised) of all receivers - the
crystal set.
.LP
Nevertheless, the scenarios painted in these arguments seem awfully
contrived. I wonder how prepared these commenters actually are, or
whether they've ever participated in any emergencies themselves. Those
who have know that a far more realistic approach to emergency
preparedness includes a) having tools, spare equipment and power
sources on hand, and b) developing the technical skills necessary to
repair failures and to improvise solutions when possible.
.LP
.ce 1
\fBMyth #4: "CW is the most efficient operating mode."\fP
.QP
"1) Lower power required for DX (distance) communication [...]
.sp
"3) Most efficient means of radio communication [...]
.sp
"6) Spectrum conservation, uses fraction of the bandwidth.
Economy of bandwidth, CW uses 1/20 that of voice (phone.)"
(Michael C. Migliaccio, N3HLM, page 3)
.QP
"I do not favor a codeless license because the CW mode encourages
the construction of low cost but efficient transmitters and
receivers and useful contacts are made on CW with very little
power, thus complying with the Communications Act [sic] 97.313(a)."
(WO6I)
.QP
"[Morse Code's] spectrum efficiency and power-efficiency
as a communications mode..." (ARRL, page 3, footnote 4).
.LP
There are two problems with this argument. First, even if one assumes
that Morse Code is the most (bandwidth) efficient mode, why should this demand
code proficiency of all operators, even those operating only on the
underutilized upper VHF, UHF and microwave bands where bandwidth is
relatively plentiful? \**
.FS
This does not apply to the ARRL quote, since its context is
primarily that of HF communications; but the other comments make no
such distinction between HF and VHF/UHF operations.
```

```
.FE
.LP
But a much worse flaw in these claims, including the League's, is that
the basic premise is clearly and demonstrably false!  When compared
objectively with modern digital communication techniques, Morse Code is easily
shown to be neither power or bandwidth efficient.\**
.FS
A rhetorical question: If Morse Code were so 'efficient', why wasn't it chosen
for deep space planetary probes such as Pioneer and Voyager, easily the
most "QRP" (power-limited) communication links ever built?
.FE
.LP
Many people confuse "spectral efficiency" with "minimum bandwidth,"
e.g., by claiming that Morse Code is more efficient than SSB because it takes
less bandwidth. But a proper measure of efficiency must take into
account the rate at which information is being sent; most people talk
faster than they can send Morse Code, so it's reasonable that SSB should take
more power and bandwidth. The same is true for packet transmissions.\**
.FS
Admittedly, a true cynic might retort that amateur QSOs transfer no useful
information anyway, so that bandwidth \fIshould\fP be the sole criterion.
.FE
.LP
Appendix 1 contains a tutorial on the relative "Shannon Efficiencies"
of Morse Code and other digital modes. It shows that Morse Code is
extraordinarily
\fIinefficient\fP even in comparison to present amateur digital
communication techniques such as packet radio, which themselves have
substantial room for improvement.
.LP
.ce 1
\fB"Morse Code \fIis\fP Used Above 30 MHz"\fP
.LP
Some commenters point out that the code is occasionally used above
30 MHz. For example,
.QP
"Above 30 MHz, Morse Code is used extensively, for station
identification,
e.g., repeaters; for weak signal and microwave communications;
for satellite communications; for satellite bulletins; and for
propagation beacons." (Richard Bisbey, NG6Q)
.LP
Mr. Bisbey is correct that the code is used for these functions,
although
I would dispute his use of the word "extensively". Yet this argument
attacks a straw man; no one ever said that Morse Code is \fInever\fP
used above 30 MHz, only that it is an incidental mode that does not
justify a code requirement.
.LP
But to answer his specific points, many (if not most) repeaters
now identify with voice synthesizers, either exclusively or
in addition to Morse Code. Moreover, it is not really necessary that
operators be able to copy these IDs in order to use repeaters
```

```
effectively;
the fact that so many repeaters identify at speeds well in excess of 5
wpm,
the speed required for the Technician class license, illustrates this.
Furthermore, paging services in the Land Mobile service often identify
in
Morse Code, but there is no requirement for code proficiency to use a
pocket pager.
.LP
As for the other uses of the code above 30 MHz, they are by no means
exclusive. They still do not justify a code requirement for amateurs
interested in alternative modes of communications any more than the use
of ASCII in amateur packet radio would justify requiring all operators
to memorize that character set.
.LP
Most satellite communications now use single sideband (SSB),
except for the \fIMicrosat\fP satellites that use packet radio modes
exclusively.\**
.FS
The \fILUSAT\fP satellite (one of the four \fIMicrosats\fP) does carry
a
Morse Code beacon, but it has been turned off in favor of the 1200 b/s
digital
packet stream because the latter makes much more efficient use of the
satellite's resources.
.FE
As for microwave communications, it is unlikely that Morse Code
operations
will ever take up more than a tiny fraction of the available spectrum.
Potentially far
more important and effective uses of this almost idle spectrum can
be seen in the high speed digital communications experiments now being
conducted by Bdale Garbee, N3EUA; Glenn Elmore, N6GN; and Kevin Rowett,
N6RCE. They have built and tested prototype 2.5 Mb/s digital links that
show enormous potential for use in "backbone" integrated voice, data
and image networks that could revolutionize amateur radio, particularly
as an emergency communications service capable of handling large
amounts
of traffic.
.LP
In short, although Morse Code is used by a tiny fraction of
communications
on the frequencies above 30 MHz, it is far from an essential skill
for the radio amateur using those frequencies. Alternative techniques
exist and new ones are being developed. Those who wish to learn
and use the code will still be allowed to do so, but there is no reason
to
force it on them.
.LP
.ce 1
\fBFull VHF/UHF Privileges Should Be Granted To Communicators\fP
.LP
Although I did not try to keep a precise count (the bulk of the file
and the presence of many duplicate copies of filings made this
impractical) it appears that a majority favors some form of codeless
license. And there is, of course, a highly vocal minority that opposes
a codeless license in any form. However, I discovered a most
interesting fact: an overwhelming majority of those who did favor some
form of codeless license felt that full privileges above 30 MHz should
be granted. Even several commenters who opposed a codeless license felt
that if it were to be created anyway, it should carry all privileges
above 30 MHz.
.LP
The ARRL states
.QP
"...the League's ascertainment of amateur licensees' attitudes
about a codeless license indicated that there was a great deal
of acceptance of a codeless license if the privileges were
limited to frequencies above 220 MHz. Support dropped off
significantly for such a license with privileges below that
frequency band..." (ARRL, page 16).
.LP
My examination of the file would seem to belie this claim. Either
amateur
sentiment on the codeless license has polarized considerably since the
ARRL gathered its statistics, or the ARRL surveys were designed
primarily to gather support for its own half-hearted proposal.
.LP
The latter would seem to be the case.  For example, the member survey
distributed in the ARRL Hudson Division (where I live) contained
check-off responses providing for complete opposition to a codeless
license; support for a codeless license as proposed by the ARRL's study
committee (220 MHz and up, plus limited packet privileges on 2m); or
support for a codeless license more restrictive than that proposed by
the study committee. There was no check-off response to express support
for a codeless license granting full VHF/UHF privileges.
.LP
The fact that the ARRL has advocated these illogical restrictions on
the proposed Communicator belies its claim to having submitted a
"cohesive plan". It is clear that the League was caught between two
rival factions: those who support a codeless license on all VHF/UHF
frequencies and those who oppose it entirely.  The League proposed to
restrict the Communicators to 220 MHz and above primarily to lessen the
opposition from the anti-codeless faction, since few from this group
operate on those bands.
.LP
It is clear that the real reason some amateurs oppose granting full
VHF/UHF privileges to Communicator licensees is their perception that
the 50 and 144 MHz bands are too "full" to support additional amateurs.
Indeed, 144 MHz is the only VHF/UHF band many amateurs use.
And some others, including the Sidewinders on Two, William Tynan W3XO
and AMSAT, are specifically concerned about
possible interference to weak signal work on these bands.
.LP
But none of these concerns constitute valid arguments against granting
full privileges above 30 MHz to Communicators.  Communicator licensees
```

will have passed a written exam equivalent to or more difficult than
the Technician Class which does grant full privileges above 30 MHz.
These licensees should therefore be no less able to
adhere to FCC rules and regulations and to voluntary band plans.
Given the rarity of Morse Code in operations above 30 MHz, denying the
Communicators access to the 50 and 144 MHz bands can be seen only as as
a
form of "protectionism" for a small special interest group, i.e., those
already licensed who now enjoy relatively exclusive use of the 50 and
144 MHz
bands.
In other words, NIMBY - Not In My Back Yard - is the dominant principle
here.
.LP
This is not to say that the gates to amateur radio should be thrown
completely open. As discussed earlier, amateurs must exhibit a certain
minimum level of technical proficiency if their use of the service is
to further its reason for being. And highly worthwhile activities do
go on in the weak signal band segments. But even if, in order to
prevent overcrowding, it were deemed necessary to increase the
difficulty of an amateur exam above the minimum levels, there are far
more constructive ways to do it than by retaining a code test. For
amateur radio to serve the broader public interest, the skills
required for an amateur license should promote development of the
service and of the individual in a way that maximizes the benefit of
the Amateur Service to the outside world. Code proficiency is
virtually irrelevant outside amateur radio, therefore maintaining a
code requirement is indefensible even as a means of preventing
overpopulation of the amateur bands. If overpopulation is the
problem, then increase the \fItechnical\fP qualifications instead.
.LP
Furthermore, I believe the concern about overpopulation is overstated.
The file contains many comments from amateurs living in rural
areas who report that much of even the 144 MHz band goes idle. For
example:
.QP
"There may be those who say this would cause the popular FM
repeater frequencies to become too crowded. However, I live in
the rural area of Northern Wisconsin, ...
and we welcome any additions to the number of hams and the number
of repeaters." (William P. Volm, KD9HH)
.LP
Much of the congestion that does exist on the 144 MHz
band in larger metropolitan areas
is the result of highly inefficient spectrum management policies.
The burden of improving spectrum efficiency and of developing the less
used upper frequency bands should be shared equally by \fIall\fP
amateurs. One's level of code proficiency should be irrelevant.
William Volm continues:
.QP
Perhaps allowing the use of 144 MHz and above for
these "codeless" hams would cause us to better utilize other parts of
the VHF and UHF radio spectrum in the city as well as the country.

```
If 2 meters becomes more crowded we will just begin using other bands
we may not be using as much of now.
So I don't really see this as a threat but as a help to better
spectrum management."
.LP
.ce 1
\fB"The Glory of Morse Code"\fP
.LP
In order to close on a somewhat lighter note, I would like to respond
to one more statement I found in the file:
.QP
"I believe everyone should be blessed with the glory of learning
code before operating in the amateur frequency spectrum."
(D. J. Ray, N5FRN)
.LP
Finally, a comment that puts in eloquent words what so many who oppose
the codeless license seem to feel. With the words "blessed with the
glory" Mr. Ray expresses what can only be a religious attachment to the
Morse Code. However, the First Amendment to the Constitution of the
United States reads:
.QP
"Congress shall make no law respecting an
establishment of religion, or prohibiting the free exercise thereof..."
.LP
Given the religious attachment that Mr. Ray and many other amateurs
clearly have for the Morse Code, it would be unconstitutional for the
Commission either to ban the use of Morse Code by Mr. Ray or to require
other amateurs to follow his religious practices. The code
requirement is therefore in violation of our Constitutionally mandated
separation of Church and State, and the Communicator license must be
implemented without delay.
.LP
More seriously, all I ask is for the Commission (and the members of the
Amateur Service) to allow each amateur to pursue the Basis and Purpose
of the Amateur Service in his or her own way.
.LP
Respectfully submitted,
.sp 3
Philip R. Karn, Jr., KA9Q
.bp
.LP
.ce 1
\fBCertification\fP
.LP
I certify that I have sent copies of these Reply Comments to the
following
persons by either electronic mail or First Class US Mail:
.2C
.DS
Mitch Mashburn
Rt 1 Box 2561
Resace, GA 30735
.sp
```

```
Conan W B Barger, W3CVE
6612 Foster St
District Heights, MD 20028
.sp
Virginia Watson, KA5KBP
RT 1 Box 267
Heflin, LA 71039
.sp
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Andover, OH 44003
.sp
Allan Hardigree, WA4AON
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.sp
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```

```
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.sp
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.sp
William P. Volm, KD9HH
W7604 Vinson St
Bryant WI  54418
.DE
.1C
.bp
.LP
.ce 1
\fBAppendix 1 - The Shannon efficiencies of Morse Code and other digital
modes\fP
.LP
About forty years ago, Claude Shannon of Bell Labs launched the field
of Information Theory with a foundation paper on the mathematical basis
of communication. His paper introduced a formula that is now
universally accepted as being to communications what E = mc^2 is to
nuclear physics and the Laws of Thermodynamics are to engine design.
What Shannon found was the ultimate limit imposed by nature on the rate
at which digital information can be sent through a noisy,
bandwidth-limited channel.  Here is his formula:
.IP
     C = B * log2(1 + S/N)
.sp
where
.sp
C = channel capacity in bits/second
.sp
B = channel bandwidth in hertz
.sp
S/N = numerical signal-to-noise power ratio (e.g., 30 dB corresponds
to a power ratio of 1000). "Gaussian" (i.e., "white") noise is assumed.
.sp
log2() = base 2 logarithm (You can compute this on your pocket
calculator by using base-10 logs and dividing the result by .301,
the base-10 log of 2.)
.LP
For example, a 3 KHz channel with a 30 dB S/N ratio has a Shannon limit
of
.IP
3000 * log2(1 + 1000)
.sp
= 3000 * 9.96
.sp
= 29.9 kilobits/sec.
```

```
.LP
Unfortunately, Shannon's formula doesn't give a communications engineer
much
more than a hint about how to build a system that operates at the
theoretical limit, just as the Second Law of Thermodynamics doesn't
really
tell a turbine designer how best to shape his blades. But both are
useful
benchmarks for looking at the efficiencies of various systems, and they
tell
you how much each system could be improved. For example, the figures I
just
gave are typical for a dialup phone line. Modems are now readily
available
that operate at rates of 10,000 to 15,000 bits/sec over these lines, so
you
can see that they are already operating at 33% to 50% of the Shannon
limit.
I will call these percentages the "Shannon efficiencies" of the system.
.LP
If someone advertises a modem operating at 100,000 bits/sec over
ordinary 3
KHz 30 dB S/N dialup phone lines, you can safely take it as either an
April
Fool's joke or a fraud.  It is vitally important to understand that you
cannot build a system that exceeds the Shannon limit any more than you
can
build a perpetual motion machine; it doesn't matter whether the
"receiver"
is a machine or the human ear and brain.  (Perpetual motion is actually
more
than just an analogy here; there is an interesting link between
information
theory and thermodynamics that is outside the scope of this document.
Read up
on "Maxwell's Demon" in a physics textbook if you're interested).
.LP
Now armed with this background, I can return to the original subject.
Let's see how efficiently a Morse Code signal uses its channel. I'll
assume a
bandwidth of 400 Hz (a typical CW filter) and a S/N ratio of 10 dB in
this bandwidth. I'll also assume a transmission speed of 20 WPM. From
my own experience I can say that this represents reasonably comfortable
copy.
.LP
The Shannon capacity of the channel is
.IP
400 * log2(1 + 10)
.sp
= 1384 bits/sec
.LP
The Morse alphabet has 58 characters, including space and seldom-used
punctuation, so each character could be represented as a 6-bit number
```

with room to spare (2^6 = 64). The standard word "PARIS " sent 20 times in one minute is 120 characters/minute, or 2 characters/sec. At 6 bits/character, 20 WPM Morse Code is therefore about 12 bits/sec of information, for a "Shannon efficiency" of 12/1384, or only 0.87%.

.LP

In comparison, the TAPR/AMSAT PSK modem (designed for the \fIFuji\fP and \fIMicrosat\fP satellite downlinks) operates at 1200 bits/sec. It requires a bandwidth of about 1800 Hz and a S/N ratio of about 10 dB to work well. Such a channel has a Shannon limit of about 6227 bits/sec, so this modem operates at 19.3% efficiency. Even though this figure isn't particularly high in comparison to the phone line modems mentioned earlier, it blows away the Morse Code figure I just computed. (The reason this modem isn't as good as the better phone line modems has to do with the choice of a much simpler coding and modulation scheme that could be implemented easily in inexpensive analog hardware. The fast phone modems make heavy use of Digital Signal Processing, or DSP. As we apply DSP to amateur radio, modem efficiencies will rise considerably. But if I pick a weaker competitor, e.g., the 1200 baud Bell 212A modem, our modem does well -- the 212A is only about 4% efficient.)

.LP

Why is Morse Code so inefficient? There are several reasons. First is the design of the code itself. It takes anywhere from 4 to 26 "channel bit times" to send each character (4 for the letter "E", 26 for the digit "0"). Even when the various character lengths are weighted for their frequency of occurrence in English, the average Morse character is 8.3 bits long, slightly more than ASCII with the parity bit -- even though ASCII has a much richer alphabet (128 characters vs 58).

.LP

Second, the on-off keying used with manually copied Morse is inherently less efficient than the continuous-carrier phase or frequency shift schemes generally used with machine-copied signals. The average-to-peak signal power ratio is low, so the transmitter is not used effectively and the error rate suffers. (Of course, some CW transmitters cannot handle continuous output, which mitigates this difference.) On-off keying also has two other serious drawbacks, such as the difficulty in setting a detection "threshold" (deciding whether the signal is on or off) in the presence of fading and the inability to gain the additional 3 dB in performance that comes with "coherent carrier recovery." The latter technique involves phase-locking a local oscillator to the incoming carrier frequency so that noise and QRM with different phases can be rejected. This is obviously not possible with manual reception. What is commonly known as "Coherent CW" is coherent only in the element (bit clock) timing, not the RF carrier phase; it's hard to stay phase locked to a carrier that keeps switching off for long periods. But coherent clock recovery is done in virtually all synchronous digital modems, and coherent carrier recovery is standard practice with high performance modems such as the TAPR/AMSAT PSK modem.

.LP

The third and most significant reason for Morse Code's inefficiency is the human brain's requirement for considerable "excess bandwidth" to make the beginning and end of each code element (dit or dah) crisp and easy to copy. CW filters are seldom narrower than 400 Hz, even though 20 WPM CW could theoretically fit into a 24 Hz channel.

.LP

In contrast, digital signals that are designed expressly for computer reception can make much better use of both signal power and bandwidth than Morse Code. Starting with the encoding of the source text information, 50%-70% can be shaved right off the top by applying a compression algorithm (e.g., the popular PKZIP program for the IBM PC). The average character size for English text drops to only 3-4 bits, despite the larger alphabet. Unlike the abbreviations commonly used with Morse Code, this compression is fully reversible; the original, uncompressed characters come out of the decompressor at the receiver.

.LP

The Shannon formula shows that channel capacity depends on both the bandwidth and the signal-to-noise ratio. Depending on which you have more of, you can trade off one parameter in favor of the other. FM is a familiar technique for doing this with analog signals. But many more options are available to the digital designer. For example, when power is precious, forward error correction coding (FEC) can be used to lower the required signal power at the expense of increasing the required bandwidth. (One scheme used for deep space communications lowers the required signal power by 8 dB but triples the required bandwidth. Less drastic schemes require less bandwidth, but give correspondingly less "coding gain".) When bandwidth is limited but S/N is good, you can make the opposite trade by sending more than one bit at a time. This is common on telephone modems. Sometimes the two techniques are combined, as in the new V.32 9600bps phone modems.

.LP

Irrespective of S/N-bandwidth tradeoffs, computer-based digital systems can be scaled to operate over a much wider range of speeds and signal levels than is possible with the human ear. Everyone knows that computers can operate at speeds far higher than human-copied Morse Code. Not as well known is that they can go much further than humans in the opposite direction: recovering slow but extremely weak signals. (The slower a digital signal, the less bandwidth it occupies. The narrower the signal, the narrower the receive filter can be, and the less noise it will "let in" to interfere with the desired signal. Hence it is theoretically possible to copy an arbitrarily weak signal -- as long as you slow it down enough.) But it is well established that the trained human ear/brain can "filter" down only to effective bandwidths of 50 Hz or so.

.LP

Machine reception has no such inherent limitation. For example, the TAPR/AMSAT modem could, through proper scaling of component values, operate at 12 bits/sec -- the equivalent of 20 WPM Morse. It would only require about 18 Hz of bandwidth and 20 dB less signal power than for 1200 bits/sec. In the original 1800 Hz bandwidth, this signal would be 10 dB below the noise! Yet the modem would work just as well as before -- only slower. The only problem here is that narrow analog filters tend to be hard to tame, and this modified modem might not work well in practice.

.LP

Here DSP comes in. DSP filters are inherently far more stable and predictable than their analog cousins, and there is effectively no lower bandwidth limit to such a system. For example, several years ago Bob

McGwier, N4HY, wrote software that demodulated 4 bit/sec digital signals sent from the Soviet Vega balloon probe as it floated through the atmosphere of Venus. These signals were so weak that they weren't even audible when played back through a speaker, yet Bob's software recovered them perfectly!

Bob and Tom Clark, W3IWI, are now bringing these same techniques to amateur radio. In an early demonstration, Bob and Tom worked each other off the moon on 432 MHz using only 100 watts into single yagis -- Oscar class stations, not your standard EME setup! The secret was digital signal processing on the receiving end that made it possible to detect a signal that was, to the ear, completely buried in the noise. The Shannon limit was not violated (i.e., the information rate was VERY slow) but at least DSP made it possible.

```
From -7728554852186794194
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,59ff70f89807c342,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-11 18:09:26 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!HICKAM-EMH.AF.MIL!
1843eie
From: 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE")
Newsgroups: rec.ham-radio
Subject: Hawaii Repeaters (for AA4MW)
Message-ID: <9009120058.AA12737@uunet.uu.net>
Date: 12 Sep 90 01:09:26 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 48
Posted: Wed Sep 12 02:09:26 1990
X-Unparsable-Date: 11 Sep 90 15:00:00 GMT-10:00
```

INTEROFFICE MEMORANDUM

Date: 11-Sep-1990 02:57pm HST
From: 1843EIG/EIE
           1843EIE
Dept: 1843EIG/EIE
Tel No: 656-1158

TO: Remote Addressee   (_INFO-HAMS%UCSD.EDU@UUNET.UU.NET)

Subject: Hawaii Repeaters (for AA4MW)

Couldn't get this thru direct, sorry 'bout that...

Mike,

Here's a list of some of the more active Hawaii repeaters, based on my experience on 2 meters. For 440, I've pulled listings from the RD based on linkages with other known active systems...

Honolulu:	146.98	City Hall	444.5+
	146.88*	Diamond Head	444.1+
	147.12	HTCARC	444.0+
	147.28		444.45+
	146.76	North Shore	448.0-
	146.94*	Haleakala, Maui	
Hilo	145.35		449.75-
Kailua-Kona	147.16		
	146.82*		
	146.88		

* indicates state-wide link via 444.15/449.15; Big Island end may not be up by the time you get here.

Also -- Emergency Amateur Radio Club (EARC) net meets nightly at 1930 local on 146.88 and 146.94 systems...you're quite welcome to check in.

73,
Jeff WD6CQV/KH6 AFA8JM

added note for info-hams -- if I'm wrong about some of this, KH6R or someone else wil probably let me know :-)!

From 9057601669915479842
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc0530c553f847b7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-11 19:38:31 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!nosc!crash!scotto
From: scotto@crash.cts.com (Scott O'Connell)
Newsgroups: rec.ham-radio
Subject: Redicom UHF Info
Message-ID: <4366@crash.cts.com>
Date: 12 Sep 90 02:38:31 GMT
Organization: Crash TimeSharing, El Cajon, CA
Lines: 13
Posted: Wed Sep 12 03:38:31 1990

I just came into possesion of a Redicom XF742 6-channel, crystal controlled, 25 Watt UHF radio. It looks like it was originally on RX 463.750 (TX +5) with PL. There is also a marking on the heat-sink that says "UHF-L"

I would like to put this radio in the 440-460 area. Does anyone know if there is a source for Redicom schematics/service manuals?

Thanks in advance!
--
Scott O'Connell - N6ZEK   UUCP: {nosc, hplabs!hp-sdd}!crash!ipars!scotto
                             ARPA: crash!ipars!scotto@nosc.mil
                             INET: scotto@ipars.cts.com

From 2526516615025873199
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d04ae5484a8f6a7a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-11 19:57:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!public!rah
From: rah@public.BTR.COM (Richard A Hyde rah@btr.com)
Newsgroups: rec.ham-radio
Subject: Re: marine/aviation/2m ham HT
Message-ID: <383@public.BTR.COM>
Date: 12 Sep 90 02:57:02 GMT
References: <370@public.BTR.COM>
Organization: BTR Public Access UNIX, MtnView CA, Contact: cs@btr.com 415-966-1429
Lines: 22
Posted: Wed Sep 12 03:57:02 1990

Keywords:

To everyone who sent me mail, or posted replys to my aviation/ham transceiver question: Thanks!

Unfortunately, the quest was a doomed one. I called virtually every manufacturer and dealer to no avail. Bendix-King and others make a marine/ ham tranceiver.. but it's not quite what I was looking for. Aszden makes a 2m mobile that also RECEIVES aviation, but again... not quite.

Well, it's nice to have a definitive answer. Now I have to think about which radio to buy first!

Another quick question... Exactly which punctuation and prosigns do I need to know for the code test?? "Tune in the World" has NO description of the Morse Code in a character <-> pattern list !? Neither do the other popular Novice or Technician manuals I've purchased. I finally used the Encyclopedia Britannica as a reference.

Regards,

-Rick-

From 4481675249734685214
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84416f13b0f7f34f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-11 20:46:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!watserv1!maytag!xenitec!lemsys!clemon
From: clemon@lemsys.UUCP (Craig Lemon)
Newsgroups: rec.ham-radio
Subject: FT-470 mods
Keywords: FT-470, mods
Message-ID: <02376.AA02376@lemsys.UUCP>
Date: 12 Sep 90 03:46:00 GMT
Followup-To: rec.ham-radio
Lines: 11
Posted: Wed Sep 12 04:46:00 1990

I was just curious whether the current FT-470 mods will allow receive coverage down to about 411 Mhz. I'm interested in this because if (when) I get one I'd kinda like it to replace my scanner and Toronto FD is 411-412 MHz (414-415 Access).

--
--
Craig Lemon - Kitchener, Ontario. Amiga B2000/10--2400 bps--AmigaUUCP 1.03D
lemsys!clemon@xenitec.on.ca or ....!{uunet}!watmath!xenitec!lemsys!clemon

---

From -2775761453309655659
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8a942d0e5e82c06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-11 22:00:39 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!unmvax!ariel.unm.edu!hydra.unm.edu!ee5391aa
From: ee5391aa@hydra.unm.edu (Duke McMullan n5gax)
Newsgroups: rec.ham-radio
Subject: Re: POSTING PROGRAMS TO THIS NET
Message-ID: <1990Sep12.050039.18156@ariel.unm.edu>
Date: 12 Sep 90 05:00:39 GMT
References: <9009111334.AA19069@ucsd.edu>
Sender: news@ariel.unm.edu (USENET News System)
Organization: University of New Mexico, Albuquerque
Lines: 56
Posted: Wed Sep 12 06:00:39 1990

In article <9009111334.AA19069@ucsd.edu> lwrclmr@SACEMNET.AF.MIL ("LWRCLMR") writes:

>FOR MARK COLOSIA (SUPER MORSE PROGRAM) AND OTHERS WHO INSIST UPON POSTING
> HORRENDESLY LONG PROGRAMS THAT WE CANNOT READ AND WEAR OUT
> THE RETURN KEY PAGING THROUGH THEM,
>READ MY LIPS:

<Ostentatious, net-bandwidth wasting protest deleted.>

>MAKE YOUR FILES AVAILABLE FOR FTP OR MAIL TO INDIVIDUALS PLEASE!
>THANK YOU.

Well, gosh, I thought it was nice. It's PC and clone thereof specific, of course, but enough of us run such boxes that it seems worthwhile to me.

I see nothing wrong with this, as long as it doesn't become so widespread and frequent that it generates unreasonable load on the net. Considering the level of traffic that constitutes nothing but mutual flaming on some of the "philosophical" (read: political and religious) groups, I can't see cause for complaint. It's not as if you had to _read_ those uuencoded files. The 'n' key is located one row down, and just to the left of your right index finger....

Now, while I uudecoded it on a mainframe, I _could_ have downloaded the encoded file and extracted the compressed file on my PC. I didn't, on account of because the .zoo file is much smaller, and therefore transfers to the '286 box here at n5gax much faster.

It's a nit, but I can't resist...those WERE text files. That's what uuen/decode is all about -- they make a binary file into a text file guaranteed to be transmittable over even the oldest (insert your favorite malediction here) mailer and news software. Can you say "downward compatible"? I knew you could....

Perhaps I should curb the sarcasm a bit...I don't _know_ what you're using to read the news. You might actually have to go through every file line-by-line, but I figure that's only if your using a mailer that runs under OS/360 JCL.

So, my remark is "Thank you, Mark."

2000 millicents, on the barrelhead.

73s,
d

PS -- Perhaps I should have asked: "Can you say upgrade?"
d

--
"...while I know many people who emphatically believe in reincarnation, I have never met or read one who could satisfactorily explain population growth."
-- Spider Robinson

Duke McMullan n5gax nss13429r phon505-255-4642 ee5391aa@hydra.unm.edu

From 412375967367369650
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,105c6756b92a834b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 05:17:34 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!funic!santra!hila.hut.fi!kwiik
From: kwiik@hila.hut.fi (Kaj Wiik)
Newsgroups: rec.ham-radio
Subject: AO-10 almanac data
Message-ID: <1990Sep12.121734.16309@santra.uucp>
Date: 12 Sep 90 12:17:34 GMT
Sender: news@santra.uucp (Cnews - USENET news system)
Reply-To: kwiik@hila.hut.fi (Kaj Wiik)
Organization: Helsinki University of Technology, FINLAND
Lines: 79
Posted: Wed Sep 12 13:17:34 1990

SB AMSAT @ ALL < DB2OS $308006DK0MAV
AO-10: Alamanac Data

de DB2OS @ DK0MAV

OSCAR-10 ALAMANAC DATA

by James Miller G3RUH

Oscar-10 can no longer be commanded due to its damaged memory. However it's on the Mode B transponder all the time and provides very useful service. Apogee lies close to the Equator (like it was at launch). The attitude is "back to front", i.e. Earth pointing at perigee.

The table below lists relevant operational parameters. It is important to realise that the current attitude (and hence Sun angle) is extrapolated from the last known attitude, which was in January 1987, nearly 4 years ago. The true attitude isn't far off.

The governing factor is the Sun angle. If this exceeds 45 degrees, the the solar panel illumination is too low, the battery voltage falls, and the beacon starts to warble.

Thus the APROXIMATE time when AO-10 is expected to be healthy again is 1990 Nov 17 - 1991 Feb 09. Listen to the beacon to make sure.

	Attitude		Sun Angle	Sun's Position		Eclipses		
DATE	ALON	ALAT	SA	SEL	SAZ	Dur min	MA in	MA out

```
 -------------------------------------------------------------------------
 1990 Aug 25 [Sat]   18     -7    -52    26    164    22   250   2
 1990 Sep  1 [Sat]   17     -7    -58    20    168    25   250   3
 1990 Sep  8 [Sat]   16     -6    -64    15    172    27   250   3
 1990 Sep 15 [Sat]   16     -6    -70     9    176    28   250   4
 1990 Sep 22 [Sat]   15     -5    -74     4    179    28   250   5
 1990 Sep 29 [Sat]   14     -5    -77    -1    183    28   251   5
 1990 Oct  6 [Sat]   13     -4    -76    -7    187    28   252   6
 1990 Oct 13 [Sat]   12     -4    -72   -13    190    26   252   6
 1990 Oct 20 [Sat]   11     -3    -67   -18    194    24   253   6
 1990 Oct 27 [Sat]   10     -3    -61   -24    199    21   254   6
 1990 Nov  3 [Sat]    9     -2    -54   -29    203    16     0   6
 1990 Nov 10 [Sat]    9     -2    -48   -34    209    ------------
 1990 Nov 17 [Sat]    8     -1    -41   -39    216    ]
 1990 Nov 24 [Sat]    7     -1    -34   -43    223    ]
 1990 Dec  1 [Sat]    6     -1    -27   -46    232    ]  Should be
 1990 Dec  8 [Sat]    5     -0    -21   -48    241    ]  OK to use
 1990 Dec 15 [Sat]    4     -0    -14   -50    252    ]  AO-10
 1990 Dec 22 [Sat]    3      0     -7   -50    263    ]  here.
 1990 Dec 29 [Sat]    2      0     -0   -48    273    ]
 1991 Jan  5 [Sat]    2      1      6   -46    283    ]  Listen to
 1991 Jan 12 [Sat]    1      1     13   -42    291    ]  Beacon. If
 1991 Jan 19 [Sat]    0      2     20   -38    299    ]  warbling
 1991 Jan 26 [Sat]  359      2     27   -34    305    ]  please
 1991 Feb  2 [Sat]  358      3     34   -28    311    ]  don't use.
 1991 Feb  9 [Sat]  357      3     41   -23    316    ]
 1991 Feb 16 [Sat]  357      4     48   -17    320    ------------
 1991 Feb 23 [Sat]  356      4     54   -12    324    31    50  61
 1991 Mar  2 [Sat]  355      4     61    -6    328    80    48  77
 1991 Mar  9 [Sat]  354      5     67    -0    332    92    52  86
 1991 Mar 16 [Sat]  353      5     72     5    335    76    60  88
 1991 Mar 23 [Sat]  352      6     76    11    339    -------------
 1991 Mar 30 [Sat]  351      6     77    16    343
 -------------------------------------------------------------------------
 Notes:
 ALON/ALAT are the spcecraft's attitude in orbit plane coordinates.
 SEL/SAZ are the Sun's position, also in orbit plane coordinates.
  Eclipses occur when SEL is around 0 degrees, i.e. the Sun lies in the
  orbit plane.
 SA is Sun angle, the angle the Sun makes with the solar panels.
  Illumination (%) = 100*SIN(SA)
```

/EX

From -9120873933002875499
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1d06e4f0ad0af7d7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 06:20:16 PST

Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!wuarchive!udel!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: 8031 (MCS-51) Re: Homebrew, Cellular, Embedded Controllers
Message-ID: <39871@cci632.UUCP>
Date: 12 Sep 90 13:20:16 GMT
References: <5A090B0D38280341-MTACY830*U009@cs.cciw.ca>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 11
Posted: Wed Sep 12 14:20:16 1990

In article <5A090B0D38280341-MTACY830*U009@cs.cciw.ca> U009@cs.cciw.ca writes:
>Hi there from the Great White North.
Hi!
>A poster recently described his G.E. Cell Phone as being 8031 based.
>

Also, the fancy $99.00 MSC electronic keyer that's advertised in the back of all the ham rags is 8031-based. Someone told me that the Morse Master is, also. Can anybody who owns one verify this?

Chris/WZ2B

From -5398145104761192247
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1e7f3b9c3b1efe2b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 06:36:31 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!wuarchive!usc!ucsd!pacbell.com!att!cbnewsu!cbnewsl!moss!feg
From: feg@moss.ATT.COM (Forrest Gehrke,2C-119,7239,ATTBL)
Newsgroups: rec.ham-radio
Subject: Technical Publication Announced
Message-ID: <1990Sep12.133631.7939@cbnewsl.att.com>
Date: 12 Sep 90 13:36:31 GMT
Sender: nntp@cbnewsl.att.com (NetNews Transfer Protocol Login)
Reply-To: feg@moss.ATT.COM
Organization: AT&T Bell Laboratories
Lines: 68
Posted: Wed Sep 12 14:36:31 1990

Awhile back, when HR ceased publication, there was a considerable thread of discussion in this group bemoaning the loss of a ham-oriented technical publication that Ham Radio magazine represented.

I have received a letter from Terry Northrup of CQ Communications, Inc. Greenville, NH which announces a quarterly she names Communictions Quarterly--The Journal of Communications Technology.

This letter was addressed to authors who have been published in Ham Radio (and presumably others on this net also have received this letter).

The letter runs nearly two full pages and I will copy just a few paragraphs just to give a flavor of this announcement and what is proposed.

Terry also informs me that promotional material is being mailed to all former subscribers of HR and to the current subscriber list of CQ magazine.

Forrest Gehrke k2bt

September 5, 1990

Dear Author:

....

When HAM RADIO Magazine ceased publication this June, Amateur Radio lost a valuable outlet for sharing your technical expertise, new theories, and projects. I'd like to offer you a new opportunity to reach dedicated Radio Amateurs--those constantly looking for technical challenges, not contest results or news and views.

....

You now have a unique opportunity to reach this audience by writing for our new publication .....The Journal of Communications Technology. This new journal, scheduled to premier mid-November 1990, is geared to explore, in-depth, areas that none of the other Amateur magazines are currently covering. I'm looking for articles which push the technical envelope to the limit. I'd like you to share your knowledge of electronics and communications in such areas as direct digital synthesis, digital signal processing, computer control, high speed data communications, and computer-generated antenna design. A desirable article will show how new, state-of-the-art developments relate to the current Amateur Radio operations.

....

Each issue will have approximately 100 pages of editorial material; advertising will be strictly limited. Articles will flow from page to page without the distraction of ads placed in the middle. ....

And, of course, you'll be paid for your efforts. We pay $40 per printed page...........

So, how about it? Can I count on your help to ensure that

Communications Quarterly presents the best technical
articles available?

Terry Northrup KA1STC
Editor
Communications Quarterly

From 5681990063268982159
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,86adc9436c17b94f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 07:38:40 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio
Subject: PRO-34 UHF Sensitivity
Keywords: PRO-34
Message-ID: <3806@radio.oakhill.UUCP>
Date: 12 Sep 90 14:38:40 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 15
Posted: Wed Sep 12 15:38:40 1990

I have noticed that my PRO-34 is not as sensitive as some of
my other scanners. In particular, on the UHF band around 460MHz.
Has anyone else noticed this problem. The manual says the sensitivity
is only 1uV....not particularly stellar performance.

BTW I have also noticed that image rejection in the 800MHz band is
stated as "not specified" making me think that the PRO-34
probably has prettly lousy 800MHz image rejection...since I can
hear cellular images on my unmodified '34.

Inquiring Radio-roids want to know......

-Charlie WB4HVD

From 7252456825191129524
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4e9815655aaaa8cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 07:42:25 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!
sdd.hp.com!hplabs!hpcc01!hpcuhb!hpscdc!spikes
From: spikes@hpscdc.scd.hp.com (Bill Spikes)
Newsgroups: rec.ham-radio
Subject: Re: Azden PCS-3000
Message-ID: <5490103@hpscdc.scd.hp.com>
Date: 12 Sep 90 14:42:25 GMT

References: <9009111242.AA17355@ucsd.edu>
Organization: Hewlett-Packard, Santa Clara Div.
Lines: 24
Posted: Wed Sep 12 15:42:25 1990

Richard,

I couldn't get mail back to you, either. What came through looks like it forgot to decompress. Anyway, in my 3000, on the "TX" pc assy, (not the power amp) look for Q436, a 74C00 IC. Near it should be a couple of pots, VR412 (tone freq), and VR411 (output level). Test point 406 will show you the freq, but not the level. The osc. runs only with the PTT line low (xmit). It has been many moons since I've been in there, so I can't describe it any better. This is just from the schematic. As you can probably tell, this 3000 may be different than the basenote author's. This radio has the whole thing built in from the factory with a "TONE" on/off switch on top of the control head.

By the way, I've already copied the manual, schematic, and TT stuff. For the price of postage, you can have it. I'm probably NOT good in the book. I don't even have a book. Send me your addr. if ya want this stuff.

Bill
WB6RZG

From -8941837018046968750
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae8dc54feb722c6a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 08:04:34 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!qip!rusty
From: rusty@qip.UUCP (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: "Long Distance" CPO (Code Practice Oscillator)
Message-ID: <4496@qip.UUCP>
Date: 12 Sep 90 15:04:34 GMT
References: <12280014@hpspdra.HP.COM> <33464@cup.portal.com> <94@thoreau.nsc.com>
Reply-To: rusty@qip.UUCP (Rusty Carruth)
Organization: Anasazi Inc, Phoenix AZ
Lines: 18
Posted: Wed Sep 12 16:04:34 1990

In article <94@thoreau.nsc.com> rtodd@thoreau.nsc.com (=Ron Todd) writes:
>In article <33464@cup.portal.com>, RaH@cup.portal.com (Richard A Hyde) writes:
>> Essentially, you drive two conductive stakes into the ground, and ...
>> communicate between them.
>>

>Yup, the stuff really works.

(Hmm. Guess I did not try hard enough back in high school when I tried it!)

Anyway, just in case nobody has mentioned the magazine, it was either
Modern Electronics or Radio Electronics, my (faulty) memory tells me
that it was M.E. and not RE. (But my memory has been wrong before)

(On a vaguely related note-I was surprised by the change in the format
in Radio-Electronics this month! It suddenly got thinner :-(, or
so it seemed to me.)

'nuf blathering for now... gotta get back to work! :-)

From 6018200138756081015
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5bb9166a13e189b7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 08:46:49 PST
Path: gmdzi!unido!mcsun!uunet!tacvax.mdcbbs.com!wright(
From: wright@tacvax.mdcbbs.com
Newsgroups: rec.ham-radio
Subject: Re: Call Plates
Message-ID: <1990Sep12.154649.1@tacvax.mdcbbs.com>
Date: 12 Sep 90 15:46:49 GMT
References: <9009061921.AA26700@server.af.mil> <17066@oolong.la.locus.com>
Organization: McDonnell Douglas M&E, Cypress CA
Lines: 23
Posted: Wed Sep 12 16:46:49 1990

In article <17066@oolong.la.locus.com>, dana@lando.la.locus.com (Dana H. Myers) writes:
>
>   The frame identifies me as 'one of them'. Maybe I'm an off-duty copy
> or something. When given a choice between 10 different speeding vehicles,
> maybe I'm a little less likely to get picked.
>
I was told by a Peace Officer friend of mine, that they are being discourged
from using this type of license plate frame. With all of the world turmoil and
possible terrorist activities suggestted by some folks in other parts of the
world, these frame may tend to become targets. Whether this is true or not I
wouldn't want to guess, but if I would have to choose between a ticket for
doing something stupid on the street and being blown up by a terrorist, I think
I would rather pay with money than my/my families life.

--

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    +----------------------------+-----------------------------------------+
    |     Dave Wright         |   Phone:   (714) 952-6320             |
    |     McDonnell Douglas M&E    |   Internet:     wright@mdcbbs.com          |
    |     Software Engineering     |         UUCP:    uunet!mdcbbs.com!wright     |
    |     P.O.Box 6011        |          PSI:   PSI%31060099980019::WRIGHT |
    |    Cypress, Ca. 90630  |                                           |
    +----------------------------+-----------------------------------------+


From 1544601397587875880
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f250e87e331ee16
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 09:09:36 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!fluke!chuckb
From: chuckb@tc.fluke.COM (Chuck Bowden)
Newsgroups: rec.ham-radio
Subject: Re: canecdote: those ubiquitous cans
Message-ID: <1990Sep12.160936.2262@tc.fluke.COM>
Date: 12 Sep 90 16:09:36 GMT
References: <1767@yenta.alb.nm.us> <7880270@hpfcdc.HP.COM>
Organization: John Fluke Mfg. Co., Inc., Everett, WA
Lines: 8
Posted: Wed Sep 12 17:09:36 1990

In article <7880270@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>In his _QRP Notebook_, Doug DeMaw endorses the use of cans, saying that
>the make a great chassis.  How many Olde Farts out there remember the
>Herring Aid, crafted from a sardine can ?

Or the ever-popular Sardine Sender.

Chuck Bowden, WB7R


From 1980363835415125476
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7f605c0b90bbe81
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 09:13:00 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!decuac!ufp.dco.dec.com!murphy
From: murphy@ufp.dco.dec.com (Rick Murphy)
Newsgroups: rec.ham-radio
Subject: Re: Horrendous 15m QRM
Keywords: what is it?
Message-ID: <1990Sep12.121053@ufp.dco.dec.com>
Date: 12 Sep 90 16:13:00 GMT
References: <37005@ut-emx>
Sender: news@decuac.DEC.COM
Reply-To: murphy@ufp.dco.dec.com
Organization: Digital Equipment Corporation, Landover MD
Lines: 25
Posted: Wed Sep 12 17:13:00 1990

In article <37005@ut-emx>, oo7@ut-emx (Webster Smogpule III) writes:
|>   Recently I have been hearing some very strong QRM on 15m that wipes out
|> about 15 KHz of the band, typically 21020-030, or 21040-060.  At first it
|> sounded like ignition noise, until the person I was talking to (in Europe,
```

|> both times, a couple of weeks apart) mentioned it too. It was S9 and killed
|> the QSOs.   It was there again today during the (phone) contest. It starts
|> up around 1730 UT and goes on for several hours.
|>
|>   Given that it is S9, when added up over 10-20 KHz it is a *lot* of noise,
|> and being equally strong thousands of miles away spells Big Trouble. Is it
|> some ghastly new OTH radar system?   I'd take the Woodpecker over this any
|> day.
|>
|>   Anyone else heard this (you must have...), and have any idea what it is?

FCC says it's in the middle east. Most likely Iraq. Encrypted teletype.
I'ts big-time loud here on the east coast.
-Rick

--
Rick Murphy, WA1SPT/4   Digital Customer Center, Landover, MD
Domain: murphy@ufp.dco.dec.com -or- murphy@ufp.enet.dec.com
Bang: decwrl!ufp.enet!murphy
Ding: (301) 306-2985
Disclaimer: This nonsense came from an AI program written in TECO. Ignore it.

From 1877646072314806012
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,734caac13cc4dea1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 09:19:14 PST
Path: gmdzi!unido!mcsun!uunet!samsung!rex!wuarchive!udel!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: University Amateur Radio Clubs
Message-ID: <39876@cci632.UUCP>
Date: 12 Sep 90 16:19:14 GMT
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: Computer Consoles Inc. an STC company, Rochester, NY
Lines: 38
Posted: Wed Sep 12 17:19:14 1990

Now that school is back in session, it might be time to start thinking
about "hooking up" a few of the university clubs around the globe.

I'm STILL interested in seeing if we can set up a chess tournament
by amateur radio. If not Chess, then GO, which is very popular at
R.I.T. It would not only be good to let other groups within the
schools know about the ARC, but it's good PR, too. It would be even
better if there was a club outside the U.S. (obviously, who shares a
third party agreement with the U.S.). Sound worthwhile? Drop me
E-MAIL, PLEASE!

Second thing: whoever is responsible for the HAM-UNIV mailing list,
(is it you, Phil?) - does it still exist? It might be a good time to
post a blurb on what it is, who it's for, and how to use it.

Finally: I'm interested in setting up a net for university ham clubs.
But, I don't want to do the work. (Aren't I a squeaker?) Again, is
anybody interested ?

As usual, I'm available as cep4478@ultb.isc.rit.edu or to my CCI (work)
address, or by telephone. Best 73's

Christopher Piggott, WZ2B
President
Rochester Institute of Technology
Amateur Radio Club K2GXT

--

"My conscience is clear (it's never been used)"

Christopher E. Piggott, WZ2B   (ex-N2JGW)
Computer Consoles, Inc. (an STC company)   Rochester, NY
(716)-482-5000 x2879 (work)
(716)-334-6957 (home, 'till 11:00pm)
cs.rochester.edu!cci632!ccird7!cep or uunet!ccicpg!cci632!ccird7!cep

---

From -7242469858647685393
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 09:46:23 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: Heatkit to be sold?
Message-ID: <8185@helios.TAMU.EDU>
Date: 12 Sep 90 16:46:23 GMT
References: <122.26E9904B@w8grt.fidonet.org> <8112@helios.TAMU.EDU>
<233@bongo.UUCP>
Sender: usenet@helios.TAMU.EDU
Organization: Computer Science Department, Texas A&M University
Lines: 22
Posted: Wed Sep 12 17:46:23 1990

In article <233@bongo.UUCP> julian@bongo.UUCP (Julian Macassey) writes:
>In article <8112@helios.TAMU.EDU>, billg@cs.tamu.edu (William Gunshannon) writes:
>> As an aside, I don't really understand the high cost of Heath gear today.
>> I doubt seriously that any of it is made on this side of the ocean
>> anyway.
>

.....explanation of labor versus materials cost deleted...

>   That should explain why Heath is not such a deal these days. The

Obviously my staement was a little mis-understood.

I am not saying HEATH should have been cheaper cause it was a kit.

I am asking why it costs MORE than a comparable piece of equipment
designed and built buy the same off-shore companies.

Oh Well. I'll miss them anyway. I wonder if this will make my HW-101
worth more money as a collectors item?? :-) :-)

bill   KB3YV

From -4124469010366292961
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a05ff416a2e2c3e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 09:49:00 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!sacemnet.af.mil!lwrclmr
From: lwrclmr@sacemnet.af.mil ("LWRCLMR")
Newsgroups: rec.ham-radio
Subject: POSTING FILES
Message-ID: <9009121655.AA08534@ucsd.edu>
Date: 12 Sep 90 16:49:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 27
Posted: Wed Sep 12 17:49:00 1990

you folks really got my curiosity up now.

In the past, several people have posted files (non-text type) incredibly long
to this newsgroup and gotten flamed to a cinder for it. I don't know how most
of you read this newsgroup, but here we get a digest of so many mesages all in
a row, and it comes as one long message. This thing is displayed one 24 line
page at a time and you hit return to get to the next page. If you hit 'N', you
end that digest and go to the next one. There is no way to reply to individual
messages, nor include them in your reply without retyping the whole thing.
This is a VAX/VMS system with over 1600 accounts and over 4000 users.

Did the other folks who commented on these postings get flamed as bad as me?

Oh well, That's life. I guess if I can page through endless pages of garbage
on no-code, is Pump up the Volume really bad for ham radio, and whether or not
I can use my radio on an airplane, I can page through fourteen tons of
uhrvg;ondm picrjgih r cjehhv;jcu4coyy37yedddh iuyp97y5u d jkrhjjehkv;jn ;jhj
type stuff.

first Amendment and all that i suppose. isn't America wonderful? i can't pray
in school, but I can sure cuss people out and tell them where to go.
(oops wrong newsgroup, thought I was in rec.ACLU)

Anyhow, ya'll have a nice day and I'll crawl back into my Nomex Bunker gear.

ta-ta
Michael

From -5108373171369404471
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8a942d0e5e82c06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 09:53:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!hpb
From: hpb@unix.cis.pitt.edu (Harry P Bloomberg)
Newsgroups: rec.ham-radio
Subject: Re: POSTING PROGRAMS TO THIS NET
Message-ID: <37388@unix.cis.pitt.edu>
Date: 12 Sep 90 16:53:00 GMT
References: <18763@ucsd.Edu>
Reply-To: hpb@unix.cis.pitt.edu (Harry P Bloomberg)
Organization: Univ. of Pittsburgh, Panther Amateur Radio Club
Lines: 15
Posted: Wed Sep 12 17:53:00 1990

In article <18763@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>
>We need some way to distribute ham programs, yes, but this isn't the way.
>

How about a new group:

rec.ham-radio.binaries or
rec.radio.binaries ?

I'm sure we'll debate the exact name of the group endlessly just like anything else that goes on in rec.ham-radio. :-)

Harry Bloomberg, WA3TBL
hpb@hpb.cis.pitt.edu
hpb@vms.cis.pitt.edu

From 7983911065207140745
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2911021480ac4f97,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 11:34:00 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!wuarchive!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx (Webster Smogpule III)
Newsgroups: rec.ham-radio
Subject: 15m QRM
Keywords: location

Message-ID: <37113@ut-emx>
Date: 12 Sep 90 18:34:00 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 49
Posted: Wed Sep 12 19:34:00 1990

murphy@ufp.dco.dec.com (Rick Murphy)

is the only person to have replied to my note about the horrendous QRM in the 15m CW band (I guess everyone else is too busy posting other stuff to the net, homebrewing, and drafting the next set of ham radio rules :-)).

In article <37005@ut-emx>, oo7@ut-emx (Webster Smogpule III) writes:
|>   Recently I have been hearing some very strong QRM on 15m that wipes out
|> about 15 KHz of the band, typically 21020-030, or 21040-060. At first it
|> sounded like ignition noise, until the person I was talking to (in Europe,
|> both times, a couple of weeks apart) mentioned it too. It was S9 and killed
|> the QSOs.   It was there again today during the (phone) contest. It starts
|> up around 1730 UT and goes on for several hours.
|>
|>   Given that it is S9, when added up over 10-20 KHz it is a *lot* of noise,
|> and being equally strong thousands of miles away spells Big Trouble. Is it
|> some ghastly new OTH radar system?   I'd take the Woodpecker over this any
|> day.
|>
|>   Anyone else heard this (you must have...), and have any idea what it is?

FCC says it's in the middle east. Most likely Iraq. Encrypted teletype.
It's big-time loud here on the east coast.
     -Rick WA1SPT/4

I was just about to post something like this when Rick's posting appeared. AA5ME in Dallas called the FCC last Friday, they got fixes on it from six stations and said it is roughly on the Syria-Turkey border, close to Iraq. I heard it again today, centered on 21005, and this time it was more radar-like, with bursts of what sounded very like our old friend the Woodpecker. It was S9+. Obvious guess is that it could be US radar, and a more obvious guess is that they will not turn if off for the hams...

If you haven't come across this yet, be prepared for a nasty shock. AA5ME says it went on for many hours in the afternoon (that's when I've heard it). It must be Megawatts. You may as well forget about 15m during the next CW contest (did anyone wake up?).

Perhaps it's unpatriotic of me to mention about it - I suppose it's just keeping the world safe for democracy and Exxon.

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)

oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From -2462344532790391742
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 11:50:36 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Heatkit to be sold?
Message-ID: <1250225@hpnmdla.HP.COM>
Date: 12 Sep 90 18:50:36 GMT
References: <122.26E9904B@w8grt.fidonet.org>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 62
Posted: Wed Sep 12 19:50:36 1990

/ hpnmdla:rec.ham-radio / julian@bongo.UUCP (Julian Macassey) / 2:05 pm Sep 11, 1990 /
In article <8112@helios.TAMU.EDU>, billg@cs.tamu.edu (William Gunshannon) writes:

> >
>
> I think this is the most likely of the possibilities. I all likelyhood
> the company will change hands yet again and there will be no apparent
> difference in it's operations.
> Of course the other possibility is that because of the high price of
> Heath's equipment compared to Japanese rigs, the company will not be
> seen as competitive and therefore a bad investment, resulting in the
> demise of yet another of ham radios traditions.
>
> As an aside, I don't really understand the high cost of Heath gear today.
> I doubt seriously that any of it is made on this side of the ocean
> anyway.

This raises a side of electronics that has been a quiet revolution. It is also something that has made it as cheap to make stuff in Switzerland as Malaya. I am going to try to be brief here so forgive me if I miss anything.

Back in the 60s when most of my generation were taking drugs and telling me they had learned how to "communicate" I was learning that "electronics" was one of the most labour intensive industries. These were the days when PC boards were coming in, but many companies like Tektronics were still making stuff with glowfets and point to point wiring. Building radios and stuff was a semi-skilled activity. It took a large amount of time to build and align a Collins S line or Racal RA-117 radio. This is what had to be paid for. Labour was a major part of the cost of an electronic device. In these days, Heath was a deal because the i supplied the labour and called it pleasure.

Then PC boards and ICs came in and the labour to function ratio went to hell. To reduce labour further, automatic assembly and test equipment came into being. So these days instead of rooms full of women with smoking soldering irons we have halls filled with automatic machinery stuffing multilayer boards, soldering them and testing them. Whackity-whak and out comes an XT board that retails for $80.00. A receiver in a chip costs $3.50.

The last product that I ever worked on getting to market was an answering machine with combined phone and dialer. The device had 45 mins of human labour time total and that includes packing it into the box and driving the forklift to the dock. So if we assume that the same answering machine were offered by Heath, this is an idea of the cost savings: Labour at Heath to pack and ship 15 Mins. Labour at Phone factory to make, pack and ship 45 mins. Heath savings: 30 Mins. Labour cost (padded) $7.50 per hour. Savings: $3.75 . Considering that such a device would retail at K Mart for probably $115.00. It is hardly worth to saving $3.75 to spend hours building by hand what a machine can whack together with greater precision in only a few minutes.

That should explain why Heath is not such a deal these days. The break they gave you was on the manufacturing labour costs and those costs have gone away. Also to be considered, but not part of this is the impact of Surface Mounted Devices on manufacturing and repair.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From 3830576135861835889
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8a942d0e5e82c06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 11:52:36 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: POSTING PROGRAMS TO THIS NET
Message-ID: <223@ssc.UUCP>
Date: 12 Sep 90 18:52:36 GMT
References: <9009111334.AA19069@ucsd.edu>
Organization: SSC, Inc., Seattle, WA
Lines: 16
Posted: Wed Sep 12 19:52:36 1990

In article <9009111334.AA19069@ucsd.edu>, lwrclmr@SACEMNET.AF.MIL ("LWRCLMR") writes:
> FOR MARK COLOSIA (SUPER MORSE PROGRAM) AND OTHERS WHO INSIST UPON POSTING
> HORRENDESLY LONG PROGRAMS THAT WE CANNOT READ AND WEAR OUT

> THE RETURN KEY PAGING THROUGH THEM,
> ...
> MAKE YOUR FILES AVAILABLE FOR FTP ...

Unlike sites slopping on the government trough, a lot of Usenet
does not have Internet access, and can't FTP anything.

If you're going to be dictatorial about how people should use the
net, recommend something realistic like posting to comp.binaries.*,
alt.sources, or comp.sources.misc and posting an announcement in
the relevant groups.

markz@ssc.uucp

From -1977177915337173001
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 11:54:24 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Heatkit to be sold?
Message-ID: <1250226@hpnmdla.HP.COM>
Date: 12 Sep 90 18:54:24 GMT
References: <122.26E9904B@w8grt.fidonet.org>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 24
Posted: Wed Sep 12 19:54:24 1990

> ...   Labour was a major part
>of the cost of an electronic device. In these days, Heath was a deal
>because the i supplied the labour and called it pleasure.

>   Then PC boards and ICs came in and the labour to function ratio went
>to hell. To reduce labour further, automatic assembly and test
>equipment came into being. So these days instead of rooms full of
>women with smoking soldering irons we have halls filled with automatic
>machinery stuffing multilayer boards, soldering them and testing
>them. Whackity-whak and out comes an XT board that retails for $80.00.

>... That should explain why Heath is not such a deal these days. The
>break they gave you was on the manufacturing labour costs and those
>costs have gone away. Also to be considered, but not part of this is
>the impact of Surface Mounted Devices on manufacturing and repair.

On the other hand, consider a product that still requires a lot of
mechanical assembly, like a kilowatt amplifier. You can still save
a lot of labor cost by building one of these yourself, either in

kit form, or totally homebrew.

Al N1AL

From 212587480440209758
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d04ae5484a8f6a7a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 11:55:03 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!wuarchive!julius.cs.uiuc.edu!apple!
xanadu!jeff
From: jeff@xanadu.com (Jeff Crilly N6ZFX)
Newsgroups: rec.ham-radio
Subject: Re: marine/aviation/2m ham HT
Message-ID: <1990Sep12.185503.9056@xanadu.com>
Date: 12 Sep 90 18:55:03 GMT
References: <370@public.BTR.COM> <30000025@uxh.cso.uiuc.edu> <14378@rouge.usl.edu>
Organization: AMIX Corporation, Palo Alto, CA
Lines: 16
Posted: Wed Sep 12 19:55:03 1990

In article <14378@rouge.usl.edu> mahler@usl.edu (Mahler Stephen J) writes:
>Rumor has it that the IC2-SAT will demodulate AM if the "FUNCTION"
>key is held down for a "long time". The radio will also tune down
>to the aircraft band. Can anyone give details?? ... Steve

Actually you press some buttons and turn the radio on. This enables
out of band receive. It is not neccessary to hold any keys down while
receiving. And yes it will demodulate AM aircraft fine. Incedently,
SF bay approach (135.65) comes in fine even though "U" is displayed in
the memory display. There are mods to do out of band transmit; again
key press and turn power on; no diodes to cut. However, transmit in AM mode?
Don't think so.

Jeff Crilly (N6ZFX)
AMIX Corporation 2345 Yale Street Palo Alto, CA 94306
jeff@amix.com, {uunet,sun}!markets!jeff

From -5640554630575460807
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8a942d0e5e82c06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 12:02:48 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!
alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: POSTING PROGRAMS TO THIS NET
Message-ID: <1250227@hpnmdla.HP.COM>
Date: 12 Sep 90 19:02:48 GMT
References: <9009111334.AA19069@ucsd.edu>

Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 14
Posted: Wed Sep 12 20:02:48 1990

I realize this is an incredible drift but I couldn't resist:

--
> "...while I know many people who emphatically believe in reincarnation, I
>have never met or read one who could satisfactorily explain population growth."
>   -- Spider Robinson
>   Duke McMullan n5gax nss13429r phon505-255-4642 ee5391aa@hydra.unm.edu

----

The answer is easy. People come back as animals, animals come back as
people. Haven't you noticed how the animal population has decreased as
the human population has increased?

AL N1AL

From -4742134450279694184
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9af3375bb1c63cb8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 12:05:55 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!apple!xanadu!jeff
From: jeff@xanadu.com (Jeff Crilly N6ZFX)
Newsgroups: rec.ham-radio
Subject: Re: Radials without a shovel
Keywords: ground grounding grounds (not related to coffee)
Message-ID: <1990Sep12.190555.9219@xanadu.com>
Date: 12 Sep 90 19:05:55 GMT
References: <9009062146.AA03571@tilde> <39703@cci632.UUCP> <97@thoreau.nsc.com>
Organization: Xanadu Operating Company, Palo Alto, CA
Lines: 28
Posted: Wed Sep 12 20:05:55 1990

In article <97@thoreau.nsc.com> rtodd@thoreau.nsc.com (=Ron Todd) writes:
>
>Along the subject of ground pegs, I went to the local hardware/building
>supply store and bought a supply of really large (12") spikes, soldered
>or brazed the ground wires to these spikes at the ends and in the middle
>and drove the spikes in the ground. They keep the wire taught and also

[stuff deleted...]

>
>Ron Todd, K3FR

When I worked for a DoD contractor I saw a similar setup used by the US Army.
Grounding was real bad in places like the Central Washington desert and
they came up with a scheme of using 15 or so short 10 inch copper stakes
that were T shaped. The top of the T was to allow them to be driven in with

your foot. They were spaced about 3 feet apart and used tined copper
wire to connect them together. The stakes just had a hole in the top for
the wire to pass though. No solder. I suppose the theory was that when
driven into the ground the wire would be pressed against the copper stake.
Supposedly it worked well. Note that this was the result of an extensive
and no doubt expensive investigation into proper grounding. (Actually
probably not very expensive by military standards as the project was
very "skunk works".)

Jeff Crilly (N6ZFX)
AMIX Corporation 2345 Yale Street Palo Alto, CA 94306
jeff@amix.com, {uunet,sun}!markets!jeff

From 8151554188647476068
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8a942d0e5e82c06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 12:09:55 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!wuarchive!julius.cs.uiuc.edu!apple!xanadu!jeff
From: jeff@xanadu.com (Jeff Crilly N6ZFX)
Newsgroups: rec.ham-radio
Subject: Re: POSTING PROGRAMS TO THIS NET
Message-ID: <1990Sep12.190955.9453@xanadu.com>
Date: 12 Sep 90 19:09:55 GMT
References: <9009111334.AA19069@ucsd.edu> <30500729@ux1.cso.uiuc.edu>
Organization: AMIX Corporation, Palo Alto, CA
Lines: 18
Posted: Wed Sep 12 20:09:55 1990

In article <30500729@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>
>You can post programs to my "community ftp" disk space. Everyone has WRITE
[stuff deleted...]
>
>--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
><phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

Not everyone has FTP access. (Or is it just me!) Why not post to
comp.binaries.ibmpc ? And likewise comp.binaries.mac for mac based stuff?
I don't recall exactly what the upload formats are (uuencoded zip, I think)
but I am sure there is an article there describing upload formats.

I suppose not everyone subscribes to comp.binaries.xxx.

Jeff Crilly (N6ZFX)
AMIX Corporation 2345 Yale Street Palo Alto, CA 94306
jeff@amix.com, {uunet,sun}!markets!jeff

From 8100183522907998315
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,53bfaca5072afb52,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 12:35:12 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!wuarchive!
julius.cs.uiuc.edu!apple!olivea!orc!inews!iwarp.intel.com!gargoyle!chinet!megabyte
From: megabyte@chinet.chi.il.us (Dr. Megabyte)
Newsgroups: rec.ham-radio
Subject: Learning code problem
Message-ID: <1990Sep12.193512.18069@chinet.chi.il.us>
Date: 12 Sep 90 19:35:12 GMT
Organization: Abacus Computers - You Can Count On Us
Lines: 21
Posted: Wed Sep 12 20:35:12 1990

I'm having a problem learning the code for my novice ticket. I'm using
tapes and when I miss a letter or two, the tapes advise me to re-wind and
do those sections over again. The problem is, I then know what that says!
It's not doing me much good as I already know what all the letters will be.
Now certainly, just hearing the DiDah patterns and writing the letter, even
when you know what the letters will be, is helping, but I wonder if there
is another way to get pratice.. on just those letters that are goofing me?

Would that I had a IBM PC or C-64 computer, I understand there are
programs, but I have an Amiga.

Any tips on learning code and getting pratice on just the letters I know?
I tried tunning into the ARRL code pratice and the novice bands, but as I
only know A,C,E,H,I,M,N,O,P,R,S, and T so far, its tough.

Six weeks to exam time!
--
Mark E. Sunderlin: IRS Technocrat in Stephens City, VA
 aka Dr. Megabyte: megabyte@chinet.chi.il.us (703) TOY-DUDE
"They Venture Down Among Us and They Sign-in on the Log,
 The Manager, The Customer, The Pony and The Dog!"

From -2165632188040564125
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,734caac13cc4dea1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 13:03:00 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!
phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: University Amateur Radio Clubs
Message-ID: <30500730@ux1.cso.uiuc.edu>
Date: 12 Sep 90 20:03:00 GMT
References: <39876@cci632.UUCP>
Lines: 5
Nf-ID: #R:cci632.UUCP:39876:ux1.cso.uiuc.edu:30500730:000:211
Nf-From: ux1.cso.uiuc.edu!phil   Sep 12 15:03:00 1990

Posted: Wed Sep 12 21:03:00 1990

The ham-univ@vmd.cso.uiuc.edu mailing list still exists.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -1725510654698350502
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,952f532e3116cefd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 15:07:03 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9009122207.AA08754@tilde>
Date: 12 Sep 90 22:07:03 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 28
Posted: Wed Sep 12 23:07:03 1990

To: info-hams@ucsd.edu
Fr: dube@cpdvax.ti.csc.com
Sb: Another two-wire CPO

Here's another way to have a two-wire code-practice system, but without the "sidetone" buzzer (saves battery power).

the "sidetone" buzzer (saves battery) power>

1. Wire the key in series with a battery, negative side of the battery to the key.

2. Wire a diode in series with a buzzer, cathode to the buzzer.

3. Parallel the key/battery combo across the buzzer/diode combo.

4. Repeat the above steps for the "other" end circuit, except reverse the polarity of both the battery and the diode.

5. Now connect a wire pair between the ends of the paralleled combos.

NOTE: with this circuit, be sure to NOT close both keys at the same time because it will connect both batteries in a series short-circuit.
When one key is closed, the diode on that end is reverse-biased and so no current will flow thru that buzzer. However, the diode on the opposite end will be forward-biased, causing the buzzer to sound.

73, Dube N5PDK

From 7825643755199011204
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,65d4b4bdc57c9305,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 15:12:51 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!ux1.cso.uiuc.edu!iuvax!news!cartan!ndmath!nstar!w8grt!f470.n101.z1.fidonet.org!Tom.Mcgee
From: Tom.Mcgee@f470.n101.z1.fidonet.org (Tom Mcgee)
Newsgroups: rec.ham-radio
Subject: Re: TN CALL PLATES
Message-ID: <131.26EE68B6@w8grt.fidonet.org>
Date: 12 Sep 90 22:12:51 GMT
Sender: ufgate@w8grt.fidonet.org (newsout1.26)
Organization: FidoNet node 1:101/470
Lines: 14
Posted: Wed Sep 12 23:12:51 1990

>> that's the traditional 2 meter calling frequency. <<

Are there calling frequencies on the other VHF/UHF bands?
--- TBBS v2.1/NM
 * Origin: Tom's BBS - Wollaston, MA - 617/471-3009 (1:101/470)

```
--
  |\/\/\/|
  |      | Tom Mcgee - via FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!101!470!Tom.Mcgee
  |     _) INTERNET: Tom.Mcgee@f470.n101.z1.fidonet.org
  | ,___|  ___________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\         of the Mind and ride the NOS!"
```

From -4651496583691198029
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,65d4b4bdc57c9305
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 15:12:51 PST
Path: gmdzi!unido!mcsun!uunet!samsung!noose.ecn.purdue.edu!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: TN CALL PLATES
Message-ID: <132.26EE68BA@w8grt.fidonet.org>
Date: 12 Sep 90 22:12:51 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 16
Posted: Wed Sep 12 23:12:51 1990

 > >> that's the traditional 2 meter calling frequency. <<

> >
> > Are there calling frequencies on the other VHF/UHF bands?

Yes. I don't remember them, but I'm sure they're listed in QST or somewhere in the ARRL voluntary bandplans.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  __________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

```
From -7503075978457354514
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,686b5142534e309f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 18:00:17 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL Letter 24-Aug-90 p1of3
Message-ID: <1641@n8emr.UUCP>
Date: 13 Sep 90 01:00:17 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 279
Posted: Thu Sep 13 02:00:17 1990
```

```
==============================================================
|        Relayed from packet radio via                |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

THE ARRL LETTER - Volume 9, Number 17 - August 24, 1990 - PART 1 OF 3

Nets Get More Time to Resolve Disputes

The Federal Communications Commission has granted several nets operating on the 20-meter band more time to resolve their on-going disputes.

The FCC entered the 20-meter dispute late last year when it sent letters to 19 net and bulletin station managers (including W1AW, which is not involved). A second FCC letter to nine of the managers asked them to come up with a plan to resolve the disputes, which have been occurring for some time.

Responses from five of the managers were received by the July 1 deadline.

FCC's Robert H. McNamara, chief of the Commission's Special Services Branch, wrote on August 9:

"The Commission has received five individual plans addressing the underlying causes of unproductive on-the-air disputes that were taking place on the 20 meter amateur service band. It is obvious that the amateur community desires that the disputes be resolved amicably and that potentially restrictive rule making be avoided. It appears, moreover, that there has been progress in resolving the disputes.

"The plans recommend" the FCC letter continues "that the amateur community be allowed to continue addressing this problem internally. Interest in this approach as a model for future dispute resolution in the amateur community has also been expressed by other observers.

"Because rule making could limit the flexibility that amateur operators now enjoy, it is important that you succeed in this activity. I believe that the requested extension of time is warranted. Correspondence from other amateur service licensees indicates that they, too, are interested in assisting with the development of the amateur community's plan. Therefore, I am extending until February 1, 1991, the date for you and other interested amateur service licensees to develop the joint plan."

The League maintains that the disputes--involving three sticking points--are resolvable by enforcement of existing FCC regulations:

* One-way broadcasts, if they go beyond accepted norms for such transmissions on the amateur bands, are illegal;

* Third-party traffic, which is allowed *only* when a formal agreement exists between countries;

* Malicious interference, which is illegal always.

THREATS BRING AMATEUR'S ARREST

On August 2, FBI agents assisted by FCC investigators arrested Anthony V. Marcantonio, KA2ZGE, of Queens, NY, and seized 20 pieces of his radio transmitting equipment. FCC earlier had responded to complaints that Marcantonio was "interfering with amateur radio communications by transmitting unidentified, disruptive signals on the two-meter amateur radio band," according to the FCC.

"On July 27, FCC investigators, using direction finding equipment, traced the signal to the Marcantonio home," FCC said. "The investigators discussed the situation with a family member who then shut the transmitter off. The transmissions resumed that evening and continued into the next day." It was then, according to FCC, that Marcantonio made death threats over the radio against an FCC investigator.

Marcantonio was charged with making threats by radio, a felony carrying a penalty of up to five years in prison, a $250,000 fine, or both. A federal judge set Marcantonio's bond at $50,000 following a hearing. (FCC public notice, Aug. 14, 1990.)

CANCER CLUSTER DISCOUNTED

The state of Connecticut has told residents of the town of Guilford they have ruled out that there is a higher than expected rate of cancer in the town. The state conducted the survey after an article in *The New Yorker* last month suggested that a large number of cancers in a particular neighborhood were related to a nearby Connecticut Light and Power substation (*Letter*, July 13).

"Given the findings," said Sandy Geschwind, an epidemiologist with the Connecticut Department of Health Services, "it appears very unlikely that EMFS (electromagnetic forces) are related to the meningiomas on Meadow Street" (in Guilford).

The state's conclusion was based in large part on the fact that abnormal numbers of cancers were not found around other electrical substations.

THE ARRL LETTER - Volume 9, Number 17 - August 24, 1990 - PART 2 OF 3

FOUNDATION NAMES SCHOLARSHIP WINNERS

On Aug. 9 the Foundation for Amateur Radio announced the 1990 winners of the 33 scholarships it administers. They are:

John W. Gore Memorial Scholarship to Stuart Rosner, WU4L, Vienna, VA;

Richard G. Chichester Memorial Scholarship to Michael King, KA8NAJ, Canton, OH;

Edwin S. Van Deusen Memorial Scholarship to Martin Gruen, KA2VLD, Runnemede, NJ;

QCWA Memorial Scholarships to William T. Baggett, AA5DF, New Braunfels, TX; Thomas W. Brown, KA2UGQ, Berkeley Heights, NJ; Victoria L. Gruen, KA2VHR, Runnemede, NJ; and Paul W. Hoffman, NK3M, Sinking Spring, PA;

QCWA Leo Meyerson Family Living Scholarship to Robert M. Popella, KA3HIE, Tidioute, PA;

QCWA Robert S. Cresap Memorial Scholarship to Jason G. Lovett, N1EJD, Kennebunk, ME;

QCWA Cresson F. Donbar Scholarship to Heather L. Ludtke, KD0RU, Glenwood Springs, CO;

Radio Club of America Scholarships to Douglas Claprood, KA2KWB, Mt. Morris, NY; Timothy Potocki, N3CZV, Bradfordwoods, PA; and Jonathan Vidal, NY3Z, Erie, PA;

Edmund B. Redington Memorial Scholarship to Richard T. De La Hunt, KA0LEE, Park Rapids, MN;

Young Ladies' Radio League Scholarship to Melissa Benish, N3FAC, Pittston, PA;

Amateur Radio News Service Scholarships to Jennifer Doerrie, KA5WMJ, Booker, TX; and Paul C. Yoder, KA3MUD, Bridgeport, PA;

Columbia Amateur Radio Association Scholarship to Kurt W. Rupprecht, N3EOI, Salisbury, MD;

Baltimore Amateur Radio Club Scholarships to Barry Bell, KA3PRE, Reisterstown, MD; Andrew S. Faiola, N3GLA, Silver Spring, MD; and David S. Katz, N3DKV, Bowie, MD;

Dade Radio Club Tropical Hamboree Scholarships to Aaron A. Algiere, KC4NGA, Gainesville, FL; and Nathaniel Tarbox, KC4AOI, Jacksonville Beach, FL;

Rose Ellen Bills Memorial Scholarship to Douglas M. Benish, N3CXB, Pittston, PA;

Victor C. Clark Memorial Scholarship, Sponsored by the Vienna Wireless Society, to William T. Free, KC3YO, Fairfax, VA;

Frederick Amateur Radio Club Scholarship to Amos D. Faux-Burhans, KS3O, Thurmont, MD;

10-10 International Net Scholarships to Mark Horwath, KA1SPU, Derry, NH; and Nathan S. Willingham, KA0UFO, Bevier, MO;

WARAC Memorial Scholarships, sponsored by the West Allis (WI) Radio Amateur Club, to Douglas Kleemann, KA9LWN, Shawano, WI; Chad Kurszewski, WE9V, Greenfield, WI; and Martin Van Der Burgt, KA9MSR, Kaukauna, WI;

Kevin Barry Perdue Memorial Scholarship, sponsored by Kay (KC3LM) and Carter (KD3AO) Craigie, to Matthew M. Harbur, KB2GHW, Woodstock, NY;

Karl R. Medrow Memorial Scholarship, sponsored by the Goddard Amateur Radio Club, to Lesley D. Walker, N4FTJ, Cullman, AL.

These scholarships were open to all radio amateurs meeting the qualifications and residence requirements of the various sponsors. The Foundation is a non-profit organization representing fifty clubs in Maryland, the District of Columbia and Northern Virginia. It is devoted exclusively to the scientific, literary and educational pursuits that advance the purpose of the Amateur Radio Service.

420 MHZ RESTRICTIONS EMPHASIZED

Amateurs in New Mexico and western Texas using the 420-450 MHz band have been asked by the Department of Defense to step up efforts to avoid interference to the White Sands Missile Range. Amateurs in the area already are restricted to 50 watts PEP, on a secondary, non-interference basis, within the White Sands Restricted Area.

DOD area frequency coordinator Stanley F. Greene, in an Aug. 6 letter to selected amateurs, said that "additional coordination appears necessary to overcome conflicts in this band. In the 420-430 portion of this band, increased amateur repeater control activity and the possibility of mobile operations, are a concern as sources of interference to White Sands Missile Range operations. Amateur mobile and repeater operations in the 430-450 portion, are a continuing concern to Fort Bliss range operations.

"The US Air Force," the letter continued, "...recently asked the FCC to add an additional rule for the White Sands Restricted Area. This would require amateur operators to coordinate any operations in the 420-430 MHz band with the White Sands DOD AFC before operating there. We understand that this request has been approved by the FCC, in principle, and will be incorporated in the future."

The letter asks "that mobile or repeater operations in the 420-430 MHz band not be performed in the White Sands Restricted Area unless first coordinated with this office. The intent of the restrictions and coordination requests placed on amateurs in this area is to prevent interference on some frequencies while allowing your general use of the band to continue. Your cooperation in this effort to prevent radio interference to area DOD missions is appreciated."

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BRIEFS

* AMSAT has announced that the 1990 AMSAT Space Symposium will be held at NASA's Johnson Space Center Visitor's Center in Houston on Oct. 19-21, and will be hosted by the Johnson Space Center Amateur Radio Club (W5RRR). The symposium will feature talks on amateur space communications and related subjects, including the new Microsats. Additional talks are tentatively scheduled on the SAREX Shuttle flight STS-35. For more information write AMSAT or phone them at 301-589-6062.

* October *QST* will announce new awards for November Sweepstakes participants. Make 100 or more contacts on either CW 'or 'phone, send two dollars and an SASE along with your SS entry, and you'll get a special pin in return. The pins will be dated each year, making them unique.

The SS announcement also will contain new specified band segments for slow speed CW (up to 13 wpm).

* Urban search and rescue operations will be featured on a nationwide teleconference to air Aug. 29 over the Federal Emergency Management Agency's (FEMA) Emergency Education Network (EENET). The telecast, from 11 a.m. to 3:30 p.m. EDT, will focus on earthquakes. EENET can be reached with a C-band antenna or satellite dish. Satellite information is: Spacenet I, Transponder 2, Channel 3, downlink frequency 3760 MHz, audio frequency 6.2/6.8 MHz. Spacenet I is located over the equator at 120 degrees west. For more information call EENET at 301-447-1068.

* On July 26 the U.S. Department of State announced that the United States government has recognized the Republic of Yemen, formed by the union of the former Yemen Arab Republic and the People's Democratic Republic of Yemen. The names to be used for this nation are Yemen (short form) and Republic of Yemem (long). ARRL's DXCC branch has asked that NO QSLs be submitted for either the former or current Yemen(s) until DXCC status of the new country is determined.

* The FCC is allowing little time for comments on its proposal (PR Docket 90-356) to relax Morse testing of disabled persons (*Letter,* Aug. 10, 1990). Deadline for comments is September 24 and for reply comments Oct. 9. The notice says "Extensions of time are not contemplated."

* As of the August 10 deadline, nominating petitions for the ARRL board of directors received (and still subject to certification of eligibility, etc.) include:

Central Division: director, W9PRN; vice director, K9EN, W9CJW, K9KM; Hudson: director, WB2EZG, WA2DHF; vice director, WB2VUK; New England: director, K1KI; vice director, WB1BRE; Northwestern: director, W7QGP, W7QMU; vice director, NM7N; Roanoke: director, N4MM; vice director, WD4HLZ; Rocky Mountain: director, AG0X; vice director, K0PGM, WB5YYX; Southwestern: director, WA6WZO; vice director, N6NB; West Gulf: director, W5SOQ, N5TC; vice director, KV5X.

In the Central division, Robert H. Lieberman, WA9JWN, was nominated for director but was found ineligible because of a lapse in membership.

* Oleg goes home! On Aug. 15 Oleg Murugov, UA4FAY, injured in a May auto accident, finally went home from the hospital in Ryazan, RFSFR. Murugov, recovering from severe injuries, has been aided by effort of a number of American amateurs (see the *Letter*, June 15 and 29, 1990). Of gravest concern was brain injury; Murugov initially was in a coma. Soviet physicians received advice and encouragement from several American medical specialists during his first few weeks of hospitalization.

(Oleg) "is much stronger and can shake hands," said his friend Igor, of club station UZ4FWO, "although the right side is still partially paralyzed. He walks with the help of one person and can feed himself with his left hand."

--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From 667527314681670037
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1ba945fa99b861e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 18:44:52 PST

Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Why is aviation radio AM?
Message-ID: <9009130144.AA18510@tilde>
Date: 13 Sep 90 01:44:52 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4
Posted: Thu Sep 13 02:44:52 1990

My guess is that (1) converting to FM would be super expensive for airlines
and general aviation aircraft owners and (2) the taxpayers won't foot the bill
for the jillions it would cost to change all the ground stations.
73,   Dube   N5PDK

From -9051421532374695318
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1ba945fa99b861e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 18:44:52 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!cc.imperial.ac.uk!cmaae97
From: cmaae97@cc.imperial.ac.uk
Newsgroups: rec.ham-radio
Subject: Re: Why is aviation radio AM?
Message-ID: <9009131502.aa02666@mvax.cc.ic.ac.uk>
Date: 13 Sep 90 01:44:52 GMT
References: <900910144.AA18510@tilde>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: Amateur Radio G7AHN
Lines: 18
Posted: Thu Sep 13 02:44:52 1990

In <9009130144.AA18510@tilde> dube N5PDK <dube@cpdvax.csc.ti.com>
writes:
>
>My guess is that (1) converting to FM would be super expensive for airlines
>and general aviation aircraft owners and (2) the taxpayers won't foot the bill
>for the jillions it would cost to change all the ground stations.
>73,   Dube   N5PDK
>

When aircraft started using VHF radios, they were using
already AM on the HF Aero bands so it was the obvious choice.
Even hams were using AM on VHF at that time. VHF/FM came a
few years later. Much later all HF aeronautical traffic switched
to SSB while VHF stayed to AM. There are still some AM aero voice
circuits in operation on HF.

Costas G7AHN

E-Mail: g7ahn@compulink.co.uk, cmaae97@cc.ic.ac.uk

From 2857693032156628248
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae8dc54feb722c6a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 20:10:12 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!wuarchive!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: "Long Distance" CPO (Code Practice Oscillator)
Message-ID: <58270@iuvax.cs.indiana.edu>
Date: 13 Sep 90 03:10:12 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 29
Posted: Thu Sep 13 04:10:12 1990

>In article <57897@iuvax.cs.indiana.edu>, commgrp@silver.ucs.
>indiana.edu (BACS Data Communications Group) writes:
>> An easy way to make a code-practice oscillator is to remove the
>> earphone and carbon mike from a standard Western Electric telephone
>> handset, wire them in series, and place them face-to-face. They form
>> an audio-feedback oscillator which makes a very pure tone.
>>Alternatively, it's an easy way to make a ringer for home-brew
>>phones.

>How do you couple the mic/earphone to the line to get it to respond
>to ringing current? Just take the series connection and put it
>across the line? Any idea what the REN would be?

>Tad Cook

I perhaps erroneously assumed that most hams had, when young, played with telephone parts and improvised their own neighborhood systems. Connecting mikes, earphones and batteries in series is a fun and educational cub-scout project. Add an amplifier, and it's a bugging device! :-)   DON'T connect it to Ma Bell-- It works, but the outgoing audio is very weak because of impedance mismatch.

The abovementioned audio-feedback oscillator might work as a "real" phone ringer if capacitively coupled, but TPC (The Phone Co. (tm)) et al would surely disapprove.

--

Frank   W9MKV   reid@ucs.indiana.edu

From -1901274042546974314
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8a942d0e5e82c06

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 21:25:57 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: POSTING PROGRAMS TO THIS NET
Message-ID: <234@bongo.UUCP>
Date: 13 Sep 90 04:25:57 GMT
References: <18763@ucsd.Edu>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 39
Posted: Thu Sep 13 05:25:57 1990

In article <18763@ucsd.Edu>, brian@ucsd.Edu (Brian Kantor) writes:

>
> We need some way to distribute ham programs, yes, but this isn't the way.

I have often offered various bits of ham software on this forum. I usually offer the software in exchange for a disc and SASE. I have had very few takers. Sometimes some cocky soul upon seeing my offer of disc copying asks if he can ftp it from somewhere. When I reply that I do not have the facilities to upload, but if they send me an SASE etc, they can then do the community a favour and upload to the host of their choice I always hear nothing more. I wonder why? Did they really need the software or were they just bored and wanted to add more useless bits to the pile.

Anyhow, I have always considered that mailing disks a pretty efficient way of distributing software if you are not in a tearing hurry. If you are in a tearing hurry, there are various BBS that carry all sorts of ham stuff. W3FFV and N8EMR are two who are correspondents to this forum and have extensive files.

If you want various ham and packet software by mail, TAPR has a pretty good selection for silly rates like $2.00 per disk. For Satellite users, AMSAT has lotsa stuff. Of course the AMSAT stuff tends to be theirs alone so you have to pay more for it, but it is value for money and pays for more stuff in the heavens.

There is I believe an AMSAT BBS, besides the Celestial BBS that Kelso seems to be the master of.

So what this tiresome ramble is heading to is that fact that there are tons of places and ways to get ham software. I haven't even touched on the person to person frisbee-lan. If you have something wonderful for the community, many BBS would be happy to carry it.

This is not a flame, just mumbling about software distribution.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

```
From 591905899318082459
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7f605c0b90bbe81
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 21:29:41 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!wuarchive!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: Horrendous 15m QRM
Keywords: what is it?
Message-ID: <236@bongo.UUCP>
Date: 13 Sep 90 04:29:41 GMT
References: <37005@ut-emx> <1990Sep12.121053@ufp.dco.dec.com>
Organization: The Hole in the Wall  Hollywood California U.S.A.
Lines: 23
Posted: Thu Sep 13 05:29:41 1990

In article <1990Sep12.121053@ufp.dco.dec.com>, murphy@ufp.dco.dec.com (Rick
Murphy) writes:
> In article <37005@ut-emx>, oo7@ut-emx (Webster Smogpule III) writes:
> |>   Given that it is S9, when added up over 10-20 KHz it is a *lot* of noise,
> |> and being equally strong thousands of miles away spells Big Trouble.  Is it
> |> some ghastly new OTH radar system?   I'd take the Woodpecker over this any
> |> day.
> |>   Anyone else heard this (you must have...), and have any idea what it is?
>
> FCC says it's in the middle east. Most likely Iraq. Encrypted teletype.
> I'ts big-time loud here on the east coast.


     When I first saw this posting I figured the Iraqis must be testing
their death ray. Now the FCC report seems to confirm it.

     Should the Jerry Rivers TV Tabloid show look into this?





--
Julian Macassey, n6are  julian@bongo.info.com  ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495


From -5038243431615025545
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,efe80ae0a7e2ea4e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 21:35:11 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!
hpcc01!col!bobw
From: bobw@col.hp.com (Bob Witte)
```

Newsgroups: rec.ham-radio
Subject: Re: DTMF SELCAL that answers back, legal?
Message-ID: <27080006@col.hp.com>
Date: 13 Sep 90 04:35:11 GMT
References: <218@nachos.SSESCO.com>
Organization: HP Colorado Springs Division
Lines: 29
Posted: Thu Sep 13 05:35:11 1990

>/ col:rec.ham-radio / elmquist@nachos.SSESCO.com (Chris Elmquist) / 9:45 am Sep 6, 1990 /
>I was thinking about building a DTMF selective calling decoder that
>after detecting the proper digit sequence, would key the connected
>transceiver and send back the callee's callsign either with synthesized
>voice or (eek!) CW. I'd probably make the digit sequence compatible
>with some of these systems now being built into rigs from Icom or
>Kenwood. Anyway, is it legal to run something like this on 2m...or
>would it be considered remote control?
>
  Yeh, I've thought about this kind of selective call scheme before,
  but I believe it is *strictly speaking* illegal. The question that
  must be answered in such a case is "who or what is controlling
  the station?" Since nobody is presumably home all the time, there
  is no control operator there. The next possibility is that the
  station is under "automatic control" but this is allowed only for
  repeater stations. (I suppose there is some contrived way to define
  the station as a repeater???) Finally, the person making the selective
  call could be the controlling station, implying an "auxiliary control
  link" which would be illegal on 2M (but legit on 440).

Bob Witte   HP Colorado Springs Division
bobw@col.hp.com   P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO 80901
Radio: KB0CY
"All Africans walk single file -- at least the one I saw did."

From 3506317563733597330
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,41397cba2c52a501,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 21:37:48 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!HICKAM-EMH.AF.MIL!1843eie
From: 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE")
Newsgroups: rec.ham-radio
Subject: 3rd District Callsigns (for KD3LR)
Message-ID: <9009130436.AA01574@uunet.uu.net>
Date: 13 Sep 90 04:37:48 GMT
Sender: daemon@ucbvax.BERKELEY.EDU

Organization: The Internet
Lines: 31
Posted: Thu Sep 13 05:37:48 1990
X-Unparsable-Date: 12 Sep 90 08:36:00 GMT-10:00

INTEROFFICE MEMORANDUM

Date: 12-Sep-1990 08:34am HST
From: 1843EIG/EIE
1843EIE
Dept: 1843EIG/EIE
Tel No: 656-1158

TO: Remote Addressee (_INFO-HAMS%UCSD.EDU@UUNET.UU.NET)

Subject: 3rd District Callsigns (for KD3LR)

Another one that bounced....

Mike,
Here's the list of 3rd district assignments, courtesy W5YI report...
Group A: WD3B
Group B: KD3TI
Group C: N3IKM
Group D: KA3WSQ

These are as of 1 Aug 90.

73, Jeff WD6CQV/KH6 AFA8JM (ex-AFA1DO)

P.S. AFA1UP sounds awfully familiar...did I meet you at the Region One Conference in 1987 (Rome, NY)? How are things in region one nowadays?

From -4816079811486603958
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d04ae5484a8f6a7a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-12 23:53:20 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!sdd.hp.com!hplabs!hpfcso!hpfcdc!richard
From: richard@hpfcdc.HP.COM (Richard Artz)
Newsgroups: rec.ham-radio
Subject: Re: marine/aviation/2m ham HT
Message-ID: <7880280@hpfcdc.HP.COM>
Date: 13 Sep 90 06:53:20 GMT
References: <370@public.BTR.COM>
Organization: HP Fort Collins, Co.
Lines: 86

Posted: Thu Sep 13 07:53:20 1990

Richard Hyde asks:

> Another quick question... Exactly which punctuation and prosigns do I need to know for the code test?? "Tune in the World" has NO description of the Morse Code in a character <-> pattern list !? Neither do the other popular Novice or Technician manuals I've purchased. I finally used the Encyclopedia Britannica as a reference.

I've heard and believe that if you study a "character <-> pattern" list you will never get very fast at morse. But I still wanted one. So I created a "character <-> sound" list instead. DO NOT memorize which letter has a "dit" and which has a "dah", memorize the sound of the letters. Listen to those tapes! Don't use a list.

Just for fun, in a permutation of 4 bits you get 30 possible patterns. As there are only 26 letters in the alphabet, what four patterns are never used?

E	dit	
I	didit	
S	dididit	
U	dididah	
H	didididit	
V	didididah	
F	dididahdit	
	dididahdah	

A	didah	
R	didahdit	r -prosign recieve/roger
W	didahdah	
L	didahdidit	
	didahdidah	
P	didahdahdit	
J	didahdahdah	

T	dah	
N	dahdit	
D	dahdidit	
K	dahdidah	k -prosign clear/over
B	dahdididit	
X	dahdididah	
C	dahdidahdit	
Y	dahdidahdah	

M	dahdah	
G	dahdahdit	
O	dahdahdah	
Z	dahdahdidit	
Q	dahdahdidah	
	dahdahdahdit	
	dahdahdahdah	

Numbers have 5 bits, they sound different.

1	didahdahdahdah
2	dididahdahdah
3	didididahdah
4	dididididah
5	dididididit
6	dahdididididit
7	dahdahdididit
8	dahdahdahdidit
9	dahdahdahdahdit
0	dahdahdahdahdah

Punctuation

+	didahdidahdit	ar
.	didahdidahdidah	aaa
?	dididahdahdidit	imi
,	dahdahdididahdah	mim
=	dahdidididah	bt
-	dahdididididah	du
/	dahdididahdit	dn

More Procedural Signals

end message	ar
wait	as
go only	kn
end contact	sk

PSE QRS (c) copyright 1990 SoftArtz

Remember, don't make this list easy to read. Don't use it a lot.
It's sound not words that count.

Hey, can any real brass-pounders out there improve/correct this?

Good luck

Richard Artz / N0LZR / 303-229-2036 / richard@hpfcww.fc.hp.com

---

From -6207430591557429478
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f250e87e331ee16
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 00:42:02 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: canecdote: those ubiquitous cans
Message-ID: <137.26EEDC76@w8grt.fidonet.org>
Date: 13 Sep 90 07:42:02 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 31
Posted: Thu Sep 13 08:42:02 1990

> From: chuckb@tc.fluke.COM (Chuck Bowden)
> Date: 12 Sep 90 16:09:36 GMT
> Organization: John Fluke Mfg. Co., Inc., Everett, WA
> Message-ID: <1990Sep12.160936.2262@tc.fluke.COM>
> Newsgroups: rec.ham-radio
>
> In article <7880270@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott)
> writes:
> >In his _QRP Notebook_, Doug DeMaw endorses the use of cans, saying that
> >the make a great chassis. How many Olde Farts out there remember the
> >Herring Aid, crafted from a sardine can ?
>
> Or the ever-popular Sardine Sender.

Who remembers which ham magazine printed an article on using hardware cloth
for forming small chasses (chassises??)? And when?

I hope nobody says, "I'll bite." because I don't remember either, but I tried
it for something or other and it worked.

```
--- FD 1.99c
 * Origin: Moderator, HAM_TECH / HAM4SALE Echoes (1:234/1)
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From 4022556212203622636
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8a942d0e5e82c06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 04:39:42 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!zaphod.mps.ohio-state.edu!
unix.cis.pitt.edu!gvlv2!gvlv3!ean
From: ean@gvlv3.gvl.unisys.com (Ed Naratil)
Newsgroups: rec.ham-radio
Subject: Re: POSTING PROGRAMS TO THIS NET
Message-ID: <930@gvlv2.GVL.Unisys.COM>
Date: 13 Sep 90 11:39:42 GMT
References: <18763@ucsd.Edu> <37388@unix.cis.pitt.edu>
Sender: news@gvlv2.GVL.Unisys.COM
Reply-To: ean@gvlv3.UUCP (Ed Naratil)
Organization: Unisys Defense Systems, Great Valley Labs, Paoli, Pa
Lines: 17
Posted: Thu Sep 13 12:39:42 1990

In article <37388@unix.cis.pitt.edu> hpb@unix.cis.pitt.edu (Harry P Bloomberg)

writes:
@In article <18763@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
@>
@>We need some way to distribute ham programs, yes, but this isn't the way.
@>
@   How about a new group:
@
@   rec.ham-radio.binaries or
@   rec.radio.binaries ?
@

OK - LET'S MAKE A rec.ham-radio.binaries !!
There has to be a million programs out there that only hams would be interested in.

Ed Naratil   (All standard disclaimers apply)
AMPR: W3BNR@N3LA.#epa.PA.USA.NA   ean@gvlv3.gvl.unisys.com

From -3247309635579846862
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,53bfaca5072afb52
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 05:32:21 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!yale!venus!yalevm!maine!dow
From: DOW@MAINE.BITNET (Michael R. Dow)
Newsgroups: rec.ham-radio
Subject: Re: Learning code problem
Message-ID: <90256.083221DOW@MAINE.BITNET>
Date: 13 Sep 90 12:32:21 GMT
References: <1990Sep12.193512.18069@chinet.chi.il.us>
Organization: University of Maine System
Lines: 17
Posted: Thu Sep 13 13:32:21 1990

...problems with learning code from practice tapes deleted....

I've learned that by rewinding the tape even though I now know what it says, it enforces the correct sounds in my brain. That is, I may have made a mistake or three, but now that I know the correct sound and the correct letter corrresponding with that sound, I can reinforce the correct relationship by going through the excersize of rewinding listening and repeating.

Its kind of like Pavlov's dog in a way. Conditioned response. Let your subconscious remember for you.

Michael R. Dow
Dow@maine.maine.edu

No license yet... 1 week to the test!

```
From 5565033063334794137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,39a5ce03c086cf0b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 06:36:00 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!mailrus!cornell!
rochester!rit!cci632!cep
From: cep@cci632.UUCP ( co-op)
Newsgroups: rec.ham-radio
Subject: Re: BARF and the FCC
Keywords: 20 mtrs, enforcement
Message-ID: <39892@cci632.UUCP>
Date: 13 Sep 90 13:36:00 GMT
References: <220@ssc.UUCP>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 6
Posted: Thu Sep 13 14:36:00 1990

In article <220@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:

>I thought the FCC had refused to do anything about the "war on 20",
>but it looks like they have taken action

(the amateurs applaud)


From -6249557356360534704
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,73ad79a5100188e6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 07:08:17 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Antenna gain figures for QST
Message-ID: <1313@ke4zv.UUCP>
Date: 13 Sep 90 14:08:17 GMT
References: <95@thoreau.nsc.com> <30500726@ux1.cso.uiuc.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 34
Posted: Thu Sep 13 15:08:17 1990

In article <30500726@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>
>If a different algorithm produces different results, and if those results
>end up with different relationships between different antenna designs, then
>it does no good in terms of giving readers the specifications.  If antenna
>A is 0.7 db better than antenna B with algorithm X, and antenna B is 0.3 db
>betten than antenna A with algorithm Y, then I would distrust BOTH X and Y
```

>until it can be proven than X or Y is "correct".

Computer modelling of HF antennas is certainly not an exact science.
Agreement within 1 db by prediction programs is certainly better than
any agreement you would get by actually measuring the antenna at real
sites.

>
>I will wait for a version in Fortran or C before I actually run it. I might
>be convinced to use Pascal if the program is written by people who are
>recognized experts in the field.
>

Language chauvinist! :-)
If a program gives results in a reasonable amount of time, and the algorithm
is properly implemented, who cares what language was used.

>
>I don't know if anything better than MININEC or NEC now exists, but I am sure
>there eventually will be. If I were an antenna manufacturer, I would be using
>the latest technology, and would be resistant to publishing analysis on terms
>of MININEC if it did not reveal the same improvments.
>
If I were an antenna manufacturer, I wouldn't depend on a computer simulation
to design my antennas. Real range data is much more valuable.

Gary KE4ZV

From 2245281557173270035
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 08:27:34 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!agate!linus!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Novice operating in old days, was Re: Heatkit to be sold?
Message-ID: <108167@philabs.Philips.Com>
Date: 13 Sep 90 15:27:34 GMT
References: <122.26E9904B@w8grt.fidonet.org> <1250226@hpnmdla.HP.COM>
<2523@naucse.cse.nau.edu>
Sender: news@philabs.Philips.Com
Reply-To: rfc@briar.philips.com.UUCP (Robert Casey)
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 23
Posted: Thu Sep 13 16:27:34 1990

In article <2523@naucse.cse.nau.edu> rrw@naucse.cse.nau.edu (Robert Wier) writes:
> I too am very nostalgic for Heathkit. My first amateur rig
> was an HW-16 code only rig. Was a big deal when the regs
> changed from being rockbound to being able to use a VFO. I
> immediately bought the VFO (was it $75?), and had great fun

> since I COULD ACTUALLY TRANSMIT ON THE SAME FREQ AS THE OTHER
> GUY WAS SENDING! WOW!

I have a question: If novices were required to use crystals to generate the xmit freq, and assuming that you don't have a really big selection of frequencys (i.e. crystals), then how would you go about answering a CQ? If you are not on the same freq, then how would you expect the other guy to hear you? Keep answering, and wait for the other guy to eventually tune his radio and stumble on your answer? Seems that would take a long time before you connect. Or was there an agreed on contact frequency, that everyone would buy crystals for? Then you tell each other what freqs you have xtals for, and move there? Is 3.579545Mhz in the novice band? (I don't have the allocations memorized or handy). That freq would be a very common crystal, as it is the color TV color info subcarrier. If it is, then that might be a contact freq.

73 de WA2ISE

"Don't try to live your life in one day" - Howard Jones

From -914718894103061132
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ef4d144c1a8feba,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 09:37:11 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!wums2!peon
From: peon@wums2.wustl.edu
Newsgroups: rec.ham-radio
Subject: 530S Kenwood enhancements
Summary: 530s Kenwood enhancements
Message-ID: <3913.26ef6f68@wums2.wustl.edu>
Date: 13 Sep 90 16:37:11 GMT
Reply-To: fineberg@wums2.wustl.edu
Lines: 10
Posted: Thu Sep 13 17:37:11 1990

I have a 530s Kenwood and was curious to know if there are any
modifications or accessories availible to receive ~118-174 MHZ
off of the "AUX" position. Homebrew is fine.
Thanks
Jeff Fulford
-- KB0GTU (fineberg@wums2.wustl.edu)
or 314-423-9439

I have a signature file too! Peon@wums2.wustl.edu
But don't send me mail here!

From 2625245708176404596
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,74769c2a7bd25cf7,start
X-Google-Attributes: gid10c9e3,public

```
X-Google-ArrivalTime: 1990-09-13 10:25:02 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!UMRVMA.UMR.EDU!UMRVMA.BITNET!S096049
From: S096049@UMRVMA.UMR.EDU
Newsgroups: rec.ham-radio
Subject: ?
Message-ID: <900913.122502.CDT.S096049@UMRVMA>
Date: 13 Sep 90 17:25:02 GMT
Lines: 1
Posted: Thu Sep 13 18:25:02 1990
Posted-Date:         Thu, 13 Sep 90 12:25:02 CDT
To: rec-ham-radio@cs.utexas.edu
X-Acknowledge-To: <S096049@UMRVMA>

Test



From -4802445126665603936
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a836d228c5e10c33,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 10:37:50 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!apple!xanadu!jeff
From: jeff@xanadu.com (Jeff Crilly N6ZFX)
Newsgroups: rec.ham-radio
Subject: IC-735 vs FT-757GXII vs TS-440/S/AT
Message-ID: <1990Sep13.173750.24023@xanadu.com>
Date: 13 Sep 90 17:37:50 GMT
Reply-To: jeff@amix.com (Jeff Crilly N6ZFX)
Organization: AMIX Corporation, Palo Alto, CA
Lines: 84
Posted: Thu Sep 13 18:37:50 1990

Tried to email twice; I think it should have gone; Oh well I'll post
so OE1CDS can get some of your comments on my comments. (Time to
debug mail again.)

In article <246@eliza.edvvie.at> OE1CDS writes:
>Has anyone experience with the ICOM IC-735? I am new lis and want to
>buy a shortwave transceiver. Other alternatives would be the FT-757, or
>the TS-440.
>
>tnx es 73
>oe1cds
>--
>This does not reflect the   | Christian Dworak
>opinions of my employer.    | USENET: dworak@edvvie.at
>I am busy enough by talking |
>about my own ...            | EDVG  Vienna/Europe - Tel (+43 222) 59907 238

I recently bought a TS-440/S with the auto antenna tuner.  I also considered
the ICOM IC-735 and the FT-757.  I thought the 440 was better than those
two.  I really wanted to get either the FT-757 or one of the ICOMs (735 or
```

725/726) but felt that the kenwood had more features:

100 memories (I use memories alot; I've already used 10 which is the alotment you get on the yaesu);

RIT/XIT display (the others have RIT but no display;
I didn't like the way ICOMs RIT worked, same goes for the CLARifier on the yaesu); (Do the ICOMS have SPLIT operation? Does the RIT vary more than 1 or 1.5 khz? RIT would be useful for SPLIT if it varies enough. The 440 does SPLIT using 2 vfos. Its not possible to work SPLIT [with freqs more that 1.2 khz apart] just using RIT with the 440.)

The 735's controls for mic gain/VOX control were under the little front panel door which I found difficult to get too;

However, the 440 has the vox controls on the rear, which is not good, it is o.k. because I don't use VOX that much;

I wanted 10 hz freq readout which you get on the 440 after snipping a diode;

I think ICOM has this but was told that the yaesu doesn't;

When changing modes on the yaesu you have to cycle through usb->lsb->cw->am->fm->back to usb....which means if you want to go from cw to usb you have to go through fm which generates alot of noise in the speaker;

The tuning feel of the yaesu and the ICOM is better than the kenwood; sometimes I think the kenwood does not have enough revolutions per kilohertz; what I mean is that for a very small change in the dial you get a change of about 200 to 300 khz. I know of no way to change this. On the Icom and yaesu when you turn the dial slowly it only changes about 50 to 100 khz.

With the 440 you can get a 1.8 khz wide SSB filter which I find essential for working 20 meters. I don't think this is available on yaesu or the ICOM 735/725/726.

The kenwood has AFSK ports which I use for RTTY, AMTOR, and PACKET.
I think that you have to use the microphone jack on the ICOM; the yaesu may have an AFSK port, I am not sure.

Of course the 440 is about US$ 100 more than the ICOM or yaesu. The auto antenna tuner is another $200.

I had a small problem with my 440: It made a very faint clicking noise when turning the main tuning knob. It turned out that the optical encoder had a small mechanical problem with it. Kenwood is sending me a new optical encoder at no charge, but in the meantime I was able to fix the instlled one.

There is a new radio from ten-tec called the Delta-II. It is a 100 watt (maybe 150 or 200 watts, I don't recall) HF transceiver with 100khz to

30 mhz receive. I don't know what the price is but I think it should be around US$1000. The nice feature about it is that it has a countinously variable width filter. I think this is a good feature in a $1000 radio. I wish I had it in the kenwood. The Delta-II is supposed to be available in november. If the price was right and available today, I might get one.

Jeff Crilly (N6ZFX)
AMIX Corporation 2345 Yale Street Palo Alto, CA 94306
jeff@amix.com, {uunet,sun}!markets!jeff
N6ZFX @ N6IIU

From 435817104187321442
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2911021480ac4f97
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 11:10:47 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx (Webster Smogpule III)
Newsgroups: rec.ham-radio
Subject: 15m QRM
Keywords: radar
Message-ID: <37158@ut-emx>
Date: 13 Sep 90 18:10:47 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 22
Posted: Thu Sep 13 19:10:47 1990

jim.grubs@w8grt.fidonet.org (Jim Grubs) comments:

(this bit originally from me)-

> I heard it again today, centered on 21005, and this time it was more radar-like, with bursts of what sounded very like our old friend the Woodpecker. It was S9+. Obvious guess is that it could be US radar, and a more obvious guess is that they will not turn if off for the hams...

Maybe this is the Iraqi radar refered to in Wednesday's Page 1A USA Today article about the CIA's prediction of imminent Iraqi military action in late July.

Aha! Please tell us more, Jim (e-mail if you think everyone else reads USA Today). If it's the YI's radar, then they certainly won't turn it off for our contests :-)   [Perhaps they would move it to 14313 though]

Derek AA5BT

From -3929739341735168O6
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f6bd38bf1b4e94f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 11:12:27 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!interlan.InterLan.COM!interlan.interlan.com!yetsko
From: yetsko@interlan.interlan.com (Mike Yetsko)
Newsgroups: rec.ham-radio
Subject: HAM Expertise?
Message-ID: <YETSKO.90Sep13141228@interlan.interlan.com>
Date: 13 Sep 90 18:12:27 GMT
Reply-To: dave@interlan.interlan.com
Distribution: rec
Organization: Racal InterLan, Inc., Boxborough, MA (1-800-LAN-TALK)
Lines: 29
Posted: Thu Sep 13 19:12:27 1990

Is everybody ready for this? This morning on the commute to work, I listened to another operator complaining that his PLL LOCK indicator on his 2M base rig kept going on.

To mean that means a problem, but this guy is 'sure' it is to prevent unauthorized transmissions outside of the HAM bands. He is going to attempt to go in and disable this circuit.

To me that is like "Hey Gomer, I have this oil light on my dash that keeps going on! Ok, BOB, No problem, we'll just unhook the light!"

Am I missing something here???

I would have joined the roundtable and asked, but this guy already hates my guts. I seem to have disagreed with him at some time! It's all but made me stay off the club repeater I used to belong to, what with his assinine comments, unknown jamming, and even a "No Lids" sing with my call written on it posted at the club sponsered field-day setup. (This '*' is a club VP, and ran the field day setup. If you weren't one of his 'buddies' you couldn't even get into the trailer at field day!)

Maybe it's best to just let the '*' screw up his radio! I mean, he knows all! He's an 'extra'!

Mike Yetsko
N1DVJ

(For the defination of '*', read the first page of 'Breakfast of Champions')

From -5363482164236628831
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8015fe9cfca16e7
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-09-13 12:03:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: WHAT LEVEL SHOULD HAMS HOMEBREW
Message-ID: <1315@ke4zv.UUCP>
Date: 13 Sep 90 19:03:38 GMT
References: <129.26EBCE95@w8grt.fidonet.org>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 9
Posted: Thu Sep 13 20:03:38 1990

In article <129.26EBCE95@w8grt.fidonet.org> Tom.Mcgee@w8grt.fidonet.org (Tom Mcgee) writes:
>>> Look through Circuit Cellar magazine <<
>
>Where can one find this?

It should be available wherever fine technical periodicals are sold.
Our local B. Daltons Software Etc. carries it.

Gary KE4ZV

From 8059515587544920552
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1ba945fa99b861e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 12:11:37 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!rpi!
julius.cs.uiuc.edu!apple!chuq
From: chuq@Apple.COM (The Wandering Phew)
Newsgroups: rec.ham-radio
Subject: Re: Why is aviation radio AM?
Message-ID: <44784@apple.Apple.COM>
Date: 13 Sep 90 19:11:37 GMT
References: <900910144.AA18510@tilde> <9009131502.aa02666@mvax.cc.ic.ac.uk>
Organization: Under that bluish-grey looking rock
Lines: 25
Posted: Thu Sep 13 20:11:37 1990

cmaae97@cc.imperial.ac.uk writes:

>In <9009130144.AA18510@tilde> dube N5PDK <dube@cpdvax.csc.ti.com> writes:

>>My guess is that (1) converting to FM would be super expensive for airlines
>>and general aviation aircraft owners and (2) the taxpayers won't foot the bill
>>for the jillions it would cost to change all the ground stations.

> When aircraft started using VHF radios, they were using
>already AM on the HF Aero bands so it was the obvious choice.

Actually, it's simpler than that. Safety. If you have two AM radios on the same frequency, they'll garble each other. FM is more likely to simply have one station override the other and make it disappear. If a plane is in trouble and has a weakened radio transmission, it's possible that if they were using FM nobody would hear them, but AM they'd cause enough interference that the ground would know to clear the channel and listen for them.

--
Chuq Von Rospach   <+>   chuq@apple.com   <+>   [This is myself speaking]

Due to popular request, I've removed the "Small World" theme from my signature. Too many net.reader's co-workers were complaining about the whistling. My apologies for any inconvenience. (It's a small, small world!)

From 14154886667231309
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e895c5af69cb3584,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 12:21:12 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!hls.com!trop
From: trop@hls.com (Troy T. Pummill)
Newsgroups: rec.ham-radio
Subject: Extended transmit for ICOM 2GAT
Message-ID: <9009121922.AA22706@hls.com>
Date: 12 Sep 90 19:22:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Wed Sep 12 20:22:08 1990

I'm posting this for Burt (N6TGW). He would like to know how to make the mods to his 2GAT to extend the transmit. I told him that someone in netland would know......thanks again....trop

```
-----------------------------------------------------------------------------
|  Troy T. Pummill, N6XMV   |  trop@hls.com                                 |
|  Sr. Technical Instructor |  ...uunet!{lanslide.hls.com,sytek}!trop   |
|  Hughes LAN Systems       |  1225 Charleston Rd., Silicon Gulch       |
|  Mountain View, CA  94043 |  The preceding drivel is entirely my own! |
-----------------------------------------------------------------------------
```

Invisible airwaves crackle with life, bright antenna bristles with the energy
Emotional feedback on timeless wavelength, bearing a gift beyond price....
Almost free.   "Spirit of Radio" - Rush

From 2261732021970619752
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a05ff416a2e2c3e
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-09-13 12:23:30 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!ucsd!ucbvax!dgc.ceo.dg.com!Kurt_Freiberger
From: Kurt_Freiberger@dgc.ceo.dg.com
Newsgroups: rec.ham-radio
Subject: Re: POSTING FILES
Message-ID: <9009132023.AC00068@rtp40.dg.com>
Date: 13 Sep 90 19:23:30 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 29
Posted: Thu Sep 13 20:23:30 1990

CEO document contents:
In a past incarnation of Info-hams, Michael <lwrclrmr@sacemnet.af.mil> writes:

>In the past, several people have posted files (non-text type) incredibly long
>to this newsgroup and gotten flamed to a cinder for it. I don't know how
>most of you read this newsgroup, but here we get a digest of so many mesages
>all in a row, and it comes as one long message. This thing is displayed one
>24 line page at a time and you hit return to get to the next page. If you
>hit 'N', you end that digest and go to the next one. There is no way to
>reply to individualmessages, nor include them in your reply without retyping
>the whole thing. This is a VAX/VMS system with over 1600 accounts and over
>4000 users.
>
>ta-ta
>Michael

Unfortunately, not all of us have the ability to skip to the next posting;
I'm stuck with this XX-deleted office automation system and it does not have
that feature. But then, I can do other things....... Ah well.

Cheers.

Kurt Freiberger, WB5BBW / voice 713.877.8222 / FAX 713.622.3649
amprnet 44.76.0.1 / PBBS: WB5BBW @ WB5BBW.#HOU.TX.USA.NA
Data General Corp. Houston, TX / "Anyone for Iraq of Lamb"??
Get someone else's opinion. I'm keeping mine.

From -5277740123372373292
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f250e87e331ee16
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 12:32:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ub!kitty!larry
From: larry@kitty.UUCP (Larry Lippman)
Newsgroups: rec.ham-radio
Subject: Re: canecdote: those ubiquitous cans

Summary: Bizarre construction techniques...
Message-ID: <4027@kitty.UUCP>
Date: 13 Sep 90 19:32:17 GMT
References: <137.26EEDC76@w8grt.fidonet.org>
Organization: Recognition Research Corp., Clarence, NY
Lines: 30
Posted: Thu Sep 13 20:32:17 1990

In article <137.26EEDC76@w8grt.fidonet.org>, jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

> Who remembers which ham magazine printed an article on using hardware cloth
> for forming small chasses (chassises??)? And when?
>
> I hope nobody says, "I'll bite." because I don't remember either, but I tried
> it for something or other and it worked.

I don't remember this specific technique, but I bet that if someone has a copy of "Hints and Kinks" from the 1950's it'll probably be in there! I have a copy somewhere in the attic, but I don't believe I can readily find it.

Some of the construction techniques suggested in that book are truly bizarre by today's standards. It is also interesting to note that during the 1950's only three or four amateurs were responsible for most of the "hints and kinks" which appeared in QST and in a similar fashion appeared in Popular Electronics or Radio-Electronics. At the time, I often wondered if that was their sole purpose in life. :-)

How about this for an example: Turn an old toothbrush into a dial cord stringing tool by cutting off the bristles and filing down the end? I'm *serious*!

One name even comes to mind, who was probably the No. 1 originator of Hints and Kinks material: Art Trauffer. Does that name (or something like it) sound familiar to anyone?

```
Larry Lippman @ Recognition Research Corp.  "Have you hugged your cat today?"
VOICE: 716/688-1231   {boulder, rutgers, watmath}!ub!kitty!larry
FAX:   716/741-9635                  {utzoo, uunet}!/      \aerion!larry
```

From -7947164477682859359
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8a942d0e5e82c06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 13:51:30 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!rutgers!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: POSTING PROGRAMS TO THIS NET
Message-ID: <39902@cci632.UUCP>
Date: 13 Sep 90 20:51:30 GMT
References: <18763@ucsd.Edu> <37388@unix.cis.pitt.edu> <930@gvlv2.GVL.Unisys.COM>

Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 21
Posted: Thu Sep 13 21:51:30 1990

In article <930@gvlv2.GVL.Unisys.COM> ean@gvlv3.UUCP (Ed Naratil) writes:
> OK - LET'S MAKE A rec.ham-radio.binaries !!

How about rec.ham-radio.software -- I think that would be more appropriate, because it would encompass sources, as well. I already have a nice handfull of things to post, including a moonphase prediction program, the famous MORSE 2.x tutor, and SEESAT - two of those are C sources, one is a binary.

I *SUPPOSE* that rec.radio.software would be acceptable, too, because much of this stuff is of interest to SWL'ers, too -- my problem with this is that it makes a lot of things much more convenient to have a single rec.ham-radio heirarchy, and so the best option would be to move rec.ham-radio into rec.radio.ham (or something like that).

My $0.02 Hope you got my money's worth :-)

Best 73's,

Chris/WZ2B

From 4373930193956333600
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,25194ac39ace4817,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 14:34:12 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!midway!ellis.uchicago.edu!gary
From: gary@ellis.uchicago.edu (gary buchholz)
Newsgroups: rec.ham-radio
Subject: My Experience with the AEA Isoloop. . .
Message-ID: <1990Sep13.213412.9674@midway.uchicago.edu>
Date: 13 Sep 90 21:34:12 GMT
Sender: news@midway.uchicago.edu (News Administrator)
Organization: University of Chicago
Lines: 108
Posted: Thu Sep 13 22:34:12 1990

For the past few months I've been reading ham-radio in the hope that soneone out there could give us some info on this AEA ISOLOOP antenna. But, no luck. I've heard people on 2m here in Chicago discussing the Isoloop - of course, no one had one but everyone wondered how/if it worked. I've heard people say flat out - "It can't work".

Well, I bought one and have been using it for a week or so. I should say that I was "forced" to buy one - I'm an apt. dweller, and, having experimeted with various things found that I probably didn't have a choice. My 45 ft multi-band dipole worked ok - but was aesthetically displeasing.

Parts is Parts. . .

The Isoloop is made of aluminum and comes in two pieces which need to be joined together via some connectors. That's all there was too it. Early units did NOT come with any control cable (the review in CQ mentions this). My box came complete with 50ft of control cable, the control box and a small wall-plug power supply (only included in USA versions). Basically, its complete including hardware for mounting on a mast either in the vertical or horizontal direction. All one needs to supply are "externals" such as coax, a mast for mounting and possibly a tripod. I already had all of the above.

Its too small... it CANT work. . .

Does it work? Well, amazingly it does. How well? Read the review in the recent issue of 73 comparing the Isoloop to the R5 and a full-size attic dipole. All I can offer is my qualitative experience (after a week of use).

First, I prefer to use the Isoloop in the vertical rather than horizontal position. The horizontal position gives an omnidirectional pattern. The vertical gives a directive pattern with the gain of a dipole. I have my Isoloop mounted vertically with the plane of the loop pointing East-West. This produces nulls in the North-South direction. One afternoon I worked a number of stations on 10m mostly in California (from Chicago) using both FM (40 watts) and SSB (100 watts) and got good signal reports on all contacts. The propagation conditions were just average and it was mid afternoon. A few days latter in the evening I worked most states on the West-East line from Chicago on 10m and 20m. All my contacts have been stateside so far. (1 week)

Beggars can't be choosers. . .

Tuning this thing via the stepper motor is another matter. In switching bands (say, 10m-20m) it takes about 20 seconds to get to the general vicinity of resonance. Past this, at least for transmitting, it takes another 10 sec or so to fine tune to minimum SWR. That may not sound like alot but its not exactly "tune and talk" as if you had a R5 or tuned diople. But, it will get you through the night.

Use. . . and observations thereby. . .

All contacts mentioned above was with the Isoloop indoors, in a wood frame house, on the 3rd floor about 35ft up from mother earth. Even with the Isoloop not in "free space" (I have it in the corner of a room) I can get a 1.4:1 SWR or less on almost all bands (14Mhz-29Mhz). I even tried with the Isoloop in a closet - that works too. I'm working on passing this thing off as an "art object" to my non-ham friends. (A bit easier with my 2m/440 discone)

A better place for the Isoloop would be hanging it out a window. Its small size fits easily through a window. Its very light and support is not a problem. Mounting brackets on the Isoloop would allow both horix. or vert. mounting. I'll try this in a week or so.

I like the fact that this antenna is directive. And, indoors on a tripod I can easily turn it to whatever direction to get the best reception/signal-reports. This is something you couldn't do with a diople. There is no directivity with a R5 so running barefoot as I do (100 watts) this gain/directivity is an advantage. An obvious "next step" would be to add a remote antenna rotor to the Isoloop/tripod. That would be a great.

Some improvements I'd like to see. . .

A few things could make this thing easier to use. First, as regards "accessories" that could be provided.... how about automatic tuning based on the same principles used by automatic antenna tuners internal to some transcievers (TS-440). Since the motor control circuit is already there is shouldn't be too hard to hack additional electronics to monitor SWR on low power transmit and tune accordingly. If I can't have that... how about just a simple feedback mechanism to tell me where the position of the tuning capacitor is. Once I have the Isoloop in a "fixed" position I would assume that resonance for a particular freq. would always occur at the same place. Why not tell me where that is via some digital readout so I don't have to keep hunting this down every time I want to go there?

Conclusions. . .

I like the Isoloop alot. In fact, I think its the *only* solution to the problem of not being able to put up a beam, full-size dipoles or vertical for HF work. This problem is probably faced by all apt dwellers to some extent. Price? AES has it for $349 mail order and no tax if you are outside Wisc. I've seen it for just under $300 in QST - but they might be earlier units without the control cables - check if you're going to buy one.

I will continue to experiment with my Isoloop. I wish QST would do a review of this thing. The CQ review was really really poor in quality; the 73 review was a bit better. I think QST could do a good job based on the quality and depth I've seen in their product reviews.

Gary
--

Gary Buchholz   gary@midway.uchicago.edu
University of Chicago   xasgary@uchimvs1 [BITNET]
Academic and Public Computing   N9KAW [real aether-net]
1155 East 60'th St., Chicago, Ill.   (312) 702-7611

From 4963627763085653988
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,69508e97ab591607
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-09-13 14:45:55 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!dover!edif!mike
From: mike@edif.sps.mot.com (Mike Waters)
Newsgroups: rec.ham-radio
Subject: Re: Green stamps vs. IRCs for DX QSLs?
Message-ID: <9iFgP3w162w@edif.sps.mot.com>
Date: 13 Sep 90 21:45:55 GMT
References: <1478@marlin.NOSC.MIL>
Organization: EDIF User Group (U.S.A.)
Lines: 37
Posted: Thu Sep 13 22:45:55 1990

price@marlin.NOSC.MIL (James N. Price) writes:

> My own rule of thumb is to send $ to W. European countries and
> selected "free" countries in S. America, Asia, etc. If there's
> any doubt in my mind about the stability of the country in
> question, or its type of government, then I send IRCs. And in NO
> case do I put the addressee's call (or mine) on the envelope.

Your guideline sounds about right. Better safe than sorry! In addition the mail to many third world countries is very "unsafe", "green stamps" as well as IRCs often simply dissapear.

I found that the most releable way to "beat the crooks" was to make the letter look as much as possible like a personal note. Including colored envelopes, perfume (in one extreme case) and hand lettered addressing using the local spellings for place names. I would only go to this trouble if I suspected a problem or on a follow up QSL, but very few of these ever got lost.

I recommend one of the DXers "phrase books" too. Something as simple as "thanks for an enjoyable QSO" in the local language can work wonders on turn around time!

>
> It's too bad we have to deal with this stuff, but it's a real
> problem. And since IRCs are so durn expensive for us and of
> relatively little value on the receiving end, one would prefer to
> max out on use of green stamps!

I HOPE that no one actually cashes in any IRCs! Most DXers have a very active market for them. If you want to buy some then send along a request to one the big time QSL managers. Usually they go for around half the selling price (about 60 cents each now?)

80% of DXing is getting the QSL!

Mike AA4MW (296 countries confirmed)

From -4383344643713338911
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,2911021480ac4f97
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 15:20:03 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!uwm.edu!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx (Webster Smogpule III)
Newsgroups: rec.ham-radio
Subject: 15m QRM
Keywords: Social Security?
Message-ID: <37127@ut-emx>
Date: 13 Sep 90 01:06:31 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 41
Posted: Thu Sep 13 02:06:31 1990

sawyer@twg.com (Bruce B. Sawyer), in an admittedly biassed and inflammatory posting (G'day Bruce!) suggests:

Let me get this straight.
(a) You and AA5ME heard it for many hours in the afternoon.
(b) Nobody else but Rick did because they are too busy with {set of worthless pursuits}.
Hmmmm. Let me suggest one other possible explanation for the lack of response.

--> Contrary to the gospel of KA9Q, there do exist cw ops (usually called "olde fartes" in these parts) who have not yet racked up the advanced number of years needed to gain admission to the society of OLDE FARTES and thereby partake of the benefits to which they are and should be entitled by virtue of having made this country great, etc., etc.: Social Security. In other words, we work.

What, Saturday afternoons and Sunday afternoons every weekend? You never get on the air ever? And nor does anyone else on the net? Gad, what a *senseless* waste of human life!

Admittedly I'm just a perfessa and so I can stop by the club shack on the way to or from classes, and AA5ME is a lazy time-wasting gynaecologist who can take time off from doing baby things to work DX, but I did mention that this stuff was loud and clear during the (phone) contest at the weekend, which means Sat and Sun to most people.

And I'm not a Real Olde Pharte, I'm a Middle-Aged Pharte at least two solar cycles away from collecting Social Security. And I can't claim to have made this country great [sic] cos I'm not even an Amurrikan. I would just like to be able to use the frequencies that the Great and Glorious FCC gives us.

Flames welcome (they're more interesting than a lot of the postings on this net!), but best directed at 45 deg to whoever is making these naughty noises in the amachure bands.

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,

Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From 3315168419838812406
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2911021480ac4f97
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 15:26:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!julius.cs.uiuc.edu!wuarchive!
zaphod.mps.ohio-state.edu!swrinde!mips!twg.com!obelix!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: Re: 15m QRM
Keywords: location
Message-ID: <7932@gollum.twg.com>
Date: 12 Sep 90 23:04:58 GMT
References: <37113@ut-emx>
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 25
Posted: Thu Sep 13 00:04:58 1990

In article <37113@ut-emx> oo7@ut-emx (Webster Smogpule III) writes (selected portions admittedly lifted out of context and placed in juxtaposition to make a point):
]   murphy@ufp.dco.dec.com (Rick Murphy)
]is the only person to have replied to my note about the horrendous QRM
]in the 15m CW band (I guess everyone else is too busy posting other stuff
]to the net, homebrewing, and drafting the next set of ham radio rules :-)).
]
]If you haven't come across this yet, be prepared for a nasty shock. AA5ME
]says it went on for many hours in the afternoon (that's when I've heard it).
]It must be Megawatts. You may as well forget about 15m during the next CW
]contest (did anyone wake up?).
]
Let me get this straight.
  (a) You and AA5ME heard it for many hours in the afternoon.
  (b) Nobody else but Rick did because they are too busy with {set of worthless pursuits}.
Hmmmm. Let me suggest one other possible explanation for the lack of response.

--> Contrary to the gospel of KA9Q, there do exist cw ops (usually called "olde fartes" in these parts) who have not yet racked up the advanced number of years needed to gain admission to the society of OLDE FARTES and thereby partake of the benefits to which they are and should be entitled by virtue of having made this country great, etc., etc.: Social Security. In other words, we work.

From -7552299105866079920

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,511f88af49d77ec8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 15:32:53 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!usc!rutgers!cunixf.cc.columbia.edu!gp15
From: gp15@cunixf.cc.columbia.edu (Gerald Pulver)
Newsgroups: rec.ham-radio
Subject: Swan 500 C & 10 meter antennae
Message-ID: <1990Sep13.034846.30700@cunixf.cc.columbia.edu>
Date: 13 Sep 90 03:48:46 GMT
Organization: Columbia University
Lines: 30
Posted: Thu Sep 13 04:48:46 1990

A couple of years ago I bought a Swan 500C at a hamfest. It has been sitting on my desk since then, unused due to my lack of low band antennae, my fear of blowing it up (I've never tuned up an HF rig) and my abundant stock of other distractions.

Having never been on a band below 144 MHz, I'd now like to give the low bands a try now.. or should I say "the low band" I'm a tech and hence am restricted to SSB on 10 meters for now.

Questions:

1) I need to buy or build (probably build as I have to skills or facilitites for metal work.) a 10 meter antenna. I live in an apartment house, and since my landlord has overlooked my 2mtr & 440 vertical antennas mounted on TV masts on the roof, I figure that another vertical would probably be the safest thing to try. I considered a dipole, but don't want to experiment with seeing what sort of reaction I would get to an antnna involving wires extended over the roof. The only commercial antenna I've noted which seems appropriate is the 10 meter Ringo. Opinions about that antenna.. or suggestions of others? I should also mention that I am on a rather tight budget. I left the real world last year to become the proverbial "poor grad student" and as such will not be able to implement suggestions involving $200 arrays.

2) I could use some instructions on how to tune up my Swan 500C and B&W VS300A antenna tuner without causing damage to the rig or myself!

73,
Gerry
(wb2rsi)
gp15@cunixf.cc.columbia.edu

From -7877982034128341711
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 15:33:00 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil

From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <30500731@ux1.cso.uiuc.edu>
Date: 13 Sep 90 22:33:00 GMT
References: <14117@shlump.nac.dec.com>
Lines: 20
Nf-ID: #R:shlump.nac.dec.com:14117:ux1.cso.uiuc.edu:30500731:000:979
Nf-From: ux1.cso.uiuc.edu!phil   Sep 13 17:33:00 1990
Posted: Thu Sep 13 23:33:00 1990

They could use this shortcut for ALL upgrades and really cut the paperwork.

I am opposed to this because it does not provide the proper information as readily. The FCC also has to be in a position to re-issue lost CSCE's.

Finally, why put upon one particular class of licensees to keep saying "interim whatever" forever? Silly, annoying, and would cause some people to become inactive.

And doing it to the TECH class privilege set is a BAD CHOICE. Unless the Communicator class grants ALL privileges above 30 Mhz (with NO exceptions whatsoever) then there will be a great need to have that "class" available.

If the FCC did adopt it, I would be writing to my congress critters and complaining that a federal agency is usurping their duty under the Communications Act and that this is no way for such an agency to act.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -6128074897041047306
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 15:42:35 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!asuvax!noao!arizona!naucse!rrw
From: rrw@naucse.cse.nau.edu (Robert Wier)
Newsgroups: rec.ham-radio
Subject: Re: Heatkit to be sold?
Message-ID: <2523@naucse.cse.nau.edu>
Date: 13 Sep 90 05:59:35 GMT
References: <122.26E9904B@w8grt.fidonet.org> <1250226@hpnmdla.HP.COM>
Organization: Northern Arizona University, Flagstaff AZ
Lines: 61
Posted: Thu Sep 13 06:59:35 1990

Back last fall, I talked with a rep from Bull and asked about

Heathkit. What follows is the gist of our conversation.
I DON'T KNOW IF ANY OF THIS IS TRUE ... TAKE WITH GRAIN OF SALT.

He said that Zenith had acquired Heathkit as an "easy" way of getting into the computer business, since it had previously been almost entirely into consumer electronics (tv's, etc). Course this turned out not to be such a good move since Z never captured a major share of the market. After HK was bought by Bull, the word was that the divison was not going to be supported at anything beyond a minimum level. The reason for this was that a study had been done about 10 years ago which projected that in the future (ie, now), work would have become so automated that leisure time would have increased by 40%. Thus the kit market was expected to boom. However, this study hadn't taken new technology developments into account (difficult predicting the future, especially in electronics), and hadn't realized the impact of VCR's and PC's. What has actually happened is that leisure time has DECREASED from what it was 10 - 15 years ago, so no one has time to build kits anymore. Thus the direction of Heathkit was going to be away from "hobby" applications and towards education/training. And in fact, I just got a Heathkit educational division catalog yesterday.

I too am very nostalgic for Heathkit. My first amateur rig was an HW-16 code only rig. Was a big deal when the regs changed from being rockbound to being able to use a VFO. I immediately bought the VFO (was it $75?), and had great fun since I COULD ACTUALLY TRANSMIT ON THE SAME FREQ AS THE OTHER GUY WAS SENDING! WOW!

I also built (about 1968) the Heathkit BOONIE BIKE, which was, believe it or not, a kit motorcycle. The major claim to fame was a rear tire that was about 8 inches wide (might have been a foot) which supposedly acted as a flotation device so you could zip through mud and so forth where standard tires would sink in. This was somewhat correct. The bike would stand upright on it's (wide back) tires without even a kickstand. It had a centrufigal clutch which gave a lot of trouble, though. B & S engine, also, as I remember.

Anyway, I hope that Heathkit is picked up by a company that will find a way to keep the company going and make a profit. I still do buy stuff from them, although not usually not kits. Most recently I bought one of their "house sitters", a unit which monitors temperature, power, etc and dials you up if parameters go out of bound. I use it at a cabin which I only get to occasionally.

Anyone else have old Heathkit nostalgia?

- Bob Wier

-------------- insert favorite standard disclaimers here ----------

```
                      College of Engineering
         Northern Arizona University / Flagstaff, Arizona
  Internet: rrw@naucse.cse.nau.edu | BITNET: WIER@NAUVAX | WB5KXH
           or   uucp:  ...arizona!naucse!rrw



From 5474193672095244536
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f4f23713b4987006,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 15:44:57 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!sdd.hp.com!decwrl!ucbvax!CISCO.COM!
faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: Need Plans--Tuner Tuner
Message-ID: <9009130608.AA23027@ucsd.edu>
Date: 13 Sep 90 06:07:35 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1
Posted: Thu Sep 13 07:07:35 1990

ARRL handbook has one.


From -9075620082358599971
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3d6757e70563ad80,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 15:53:29 PST
Path: gmdzi!unido!mcsun!uunet!ingr!infonode!kerl
From: kerl@infonode.ingr.com (Dan Kerl)
Newsgroups: rec.ham-radio
Subject: re: TUNER-TUNER PLANS (noise bridge)
Message-ID: <1990Sep13.225329.9300@infonode.ingr.com>
Date: 13 Sep 90 22:53:29 GMT
Organization: Intergraph Corp. Huntsville, AL
Lines: 1
Posted: Thu Sep 13 23:53:29 1990

1990 ARRL Handbook, 'Noise Bridge for 160 Through 10 Meters', pg. 25-32.


From 6278086674291434817
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,69508e97ab591607
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 18:20:20 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!n8emr!bluemoon!
jamaass
From: jamaass (Jeffrey A. Maass)
```

Newsgroups: rec.ham-radio
Subject: Re: Green stamps vs. IRCs for DX QSLs?
Message-ID: <8yoFP1w163w@bluemoon.UUCP>
Date: 13 Sep 90 11:12:18 GMT
References: <1990Sep7.162759.4420@mentor.com>
Sender: bbs@bluemoon.UUCP
Organization: Blue Moon BBS (614) 868-9982 & 9984
Lines: 17
Posted: Thu Sep 13 12:12:18 1990

mbutts@mentor.com (Mike Butts) writes:

> When I QSL direct to rare DX, I include a self-addressed envelope, and one or
> two IRCs. I know many hams would prefer to get a "green stamp" (1 US dollar),

Mike: I trust that you realize that many countries require as many
as 5 IRCs to return your QSL Air Mail. My experience has been that
enclosing one IRC results in no QSL received, and also that surface
mail seems far less dependable from some areas of the World than others.

Don't take chances: when you DO use IRCs, use the number listed in
the Callbook for the specific country, and send a self-addressed
Air Mail envelope!

Jeff Maass
Amateur Radio K8ND   (Packet Address K8ND @ W8CQK)
QTH: Near Columbus Ohio

From -5325957996614073405
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2911021480ac4f97
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 18:45:20 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!decuac!ufp.dco.dec.com!murphy
From: murphy@ufp.dco.dec.com (Rick Murphy)
Newsgroups: rec.ham-radio
Subject: Re: 15m QRM
Keywords: location
Message-ID: <1990Sep13.102427@ufp.dco.dec.com>
Date: 13 Sep 90 14:32:13 GMT
References: <7932@gollum.twg.com> <37113@ut-emx>
Sender: guest@decuac.DEC.COM
Reply-To: murphy@ufp.dco.dec.com
Organization: Digital Equipment Corporation, Landover MD
Lines: 40
Posted: Thu Sep 13 15:32:13 1990

In article <7932@gollum.twg.com>, sawyer@twg.com (Bruce B. Sawyer) writes:
|> In article <37113@ut-emx> oo7@ut-emx (Webster Smogpule III) writes (selected
|> portions admittedly lifted out of context and placed in juxtaposition to
make
|> a point):

|>....
|> Let me get this straight.
|>   (a) You and AA5ME heard it for many hours in the afternoon.
|>   (b) Nobody else but Rick did because they are too busy with {set of worthless
|>   pursuits}.
|> Hmmmm. Let me suggest one other possible explanation for the lack of response.
|>
|> --> Contrary to the gospel of KA9Q, there do exist cw ops (usually called "olde
|>   fartes" in these parts) who have not yet racked up the advanced number of
|>   years needed to gain admission to the society of OLDE FARTES and thereby
|>   partake of the benefits to which they are and should be entitled by virtue
|>   of having made this country great, etc., etc.: Social Security. In other
|>   words, we work.

I'm not an olde phart. (at least *I* don't think so..)
Hint: the afternoon in 5-land may mean the *evening* on the east coast. That's
when I heard it.
Sorry if I offended you with a posting relevant to Ham Radio.
In the future, I'll be sure to restrict my comments to things more appropriate
to this group, like movies and scanners :-)

-Rick (at work. Really.)

--
Rick Murphy, WA1SPT/4   DEC Washington ULTRIX Resource Center
Domain: murphy@ufp.dco.dec.com -or- murphy@ufp.enet.dec.com
Bang: decwrl!ufp.enet!murphy
Ding: (301) 306-2985
Disclaimer: This nonsense came from an AI program written in TECO. Ignore it.

From -5601555725570821291
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,69508e97ab591607
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 18:47:56 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!dali.cs.montana.edu!milton!ogicse!intelhf!agora!parsely!percy!nosun!techbook!philb
From: philb@techbook.com (Phil Bihl)
Newsgroups: rec.ham-radio
Subject: Getting a FT-811 on 420 Mhz.
Message-ID: <1990Sep13.015534.20396@techbook.com>
Date: 13 Sep 90 01:55:34 GMT
References: <1990Sep7.162759.4420@mentor.com>
Organization: TECHbooks of Beaverton Oregon - Public Access Unix
Lines: 27
Posted: Thu Sep 13 02:55:34 1990

Hi. I just got a FT-811 Uhf handheld that I want to use to debug
420 Mhz full duplex links for a repeater I'm building. I have the
mod that is supposted to do this but it does not work properly.
I can xmit on 420 but the receiver is completely numb on all
frequencies! Backing out the mod restores it back to normal.
I appear to possibly have a newer version of this radio as the
serial number looks like it might have been turned (mine is
9N120004). The mod I used removed jumbers from postions 2 and 4.
A new jumper was added to position 3 making the only jumpers
connected to positions 3 and 7.

Can anyone help me with this? I couldn't care less about rx or
tx outside the ham bands just 420 to 450 Mhz is all I need.

HELP!!!!

Phil Biehl, N7FWL
(503) 684-2867 home
(503) 656-2995 work

--
philb@techbook.COM ...!{tektronix!nosun,uunet}techbook!philb
Public Access UNIX at (503) 644-8135 (1200/2400) Voice: +1 503 646-8257
Public Access User --- Not affiliated with TECHbooks

From 3634445683752846383
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a512a06be73af407,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 18:54:35 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!snorkelwacker!bloom-beacon!w1gsl
From: w1gsl@athena.mit.edu (Steven L. Finberg)
Newsgroups: rec.ham-radio
Subject: Mobile Positioning System on 902 ??
Summary: Spread Spectrum primary user of 902 band ?
Message-ID: <1990Sep13.133919.23473@athena.mit.edu>
Date: 13 Sep 90 13:39:19 GMT
Sender: daemon@athena.mit.edu (Mr Background)
Organization: Massachusetts Institute of Technology
Lines: 20
Posted: Thu Sep 13 14:39:19 1990

****

A while back there were several posts about a new positioning system
that was planed / in operation for the 902 band, The jist of the posts
was that amateur use was secondary, and that it would trash any 902 band
plan.   As I recall it was already in use in S. CA. and comming soon to

the rest of us.

Can anyone point me to the FCC rules covering it.
Any details on the system design and any "specs", would be appreciated.

```
         73 Steve
            W1GSL

***************************************************************************
w1gsl@athena.mit.edu                     Stephen L Finberg
PO Box 82 MIT Br.  Cambridge MA 02139
617 258 3754
***************************************************************************
```

```
From 1259480981155259977
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8a942d0e5e82c06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 18:56:42 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: POSTING PROGRAMS TO THIS NET
Message-ID: <11846@crdgw1.crd.ge.com>
Date: 13 Sep 90 13:46:01 GMT
References: <18763@ucsd.Edu> <37388@unix.cis.pitt.edu> <930@gvlv2.GVL.Unisys.COM>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 27
Posted: Thu Sep 13 14:46:01 1990
In-reply-to: ean@gvlv3.gvl.unisys.com (Ed Naratil)
```

In article <930@gvlv2.GVL.Unisys.COM>, ean@gvlv3 (Ed Naratil) writes:

```
>@
>    OK - LET'S MAKE A rec.ham-radio.binaries !!
>    There has to be a million programs out there that only hams would
>    be interested in.
```

Is there any advantage over putting the program in the already existing
appropriate group and announcing it in rec.ham-radio?

Here are some reasons not to have a ham-binary group:

```
     Binary for what computer? the first thing we would have to do
     is split it into ham.binary.amiga, .cpm, .c64, .ibm, abi-sparc,
     .abi-moto, .abi-intel, .mac, etc etc etc

     Hams like to play with things and adapt them, right? give us
     source!
     Having ham programs show up occasionally in the computer groups
     helps give the hobby more exposure.  XXX computer owner says to
     himself "Looks like a lot of people use XXX for ham radio....
     I should check it out."


-don perley - ke2tp
perley@trub.crd.ge.com


From 7015280255084672977
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d04ae5484a8f6a7a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 19:32:58 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!psuvax1!rutgers!rochester!kodak!eastman!
b56vxg.dnet@kodak.com!harding
From: harding%b56vxg.dnet@kodak.com (JON HARDING)
Newsgroups: rec.ham-radio
Subject: Re: marine/aviation/2m ham HT
Message-ID: <1349@eastman.UUCP>
Date: 13 Sep 90 15:18:41 GMT
References: <370@public.BTR.COM> <383@public.BTR.COM>
Sender: news@eastman.UUCP
Reply-To: harding%b56vxg.dnet@kodak.com
Organization: Eastman Kodak Company, Rochester NY, USA
Lines: 15
Posted: Thu Sep 13 16:18:41 1990
News-Software: VAX/VMS VNEWS 1.3-4

In article <383@public.BTR.COM>, rah@public.BTR.COM (Richard A Hyde  rah@btr.com)
writes...
>Keywords:
>
>To everyone who sent me mail, or posted replys to my aviation/ham transceiver
>question:  Thanks!
>
>Another quick question...  Exactly which punctuation and prosigns do I
>need to know for the code test??
According to MORSE TUTOR: period, comma, question mark, slant bar,
                AR, SK, BT, KN.
Good luck!
N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J
|    Jon Harding, N2KZJ * I don't represent KODAK by word or deed. *  |
|    716-477-5944                                    |
N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J N 2 K Z J


From -1106331746452024033
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,97e0b2bf83b432d1,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1990-09-13 19:41:53 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Digipeaters vs repeaters
Message-ID: <135.26EEC782@w8grt.fidonet.org>
Date: 13 Sep 90 05:02:02 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 40
Posted: Thu Sep 13 06:02:02 1990

> From: phil@ux1.cso.uiuc.edu
> Date: 11 Sep 90 21:38:00 GMT
> Message-ID: <30600058@ux1.cso.uiuc.edu>
> Newsgroups: rec.ham-radio.packet
>
>
> > To him RTTY was OK
> > but packet wasn't.. He (incidentally to our packet use of the pair)
> > drew up a 20 kHz plan for the
> > 146 mHz sub-band and wrote our club repeater out of
> > existance saying, quote:
> >
> > "Oh, 146.73?.. you guys are packet and belong in the the 145.0X band
> anyway..
> > You'll have to move!!!"
>
> This is one of the reasons that FM coordinators should be out of the
> spectrum
> planning business.

It wouldn't work at audible baud rates, but back in the 45.5 baud Baudot days in Air Force MARS, there was a repeater at Hanscom AFB, MA, which did both simulataneously. RATT (as the military call it) had a separate input frequency and produced direct FSK of the repeater carrier. To voice users, it sounded like a dead carrier and each type of user operated without QRM from the other.

Because even 300 baud packet would be audible, that old system wouldn't work but maybe some more sophisticated form of multiplex would.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |      _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From 6370292974063823994
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f4f23713b4987006
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 19:41:58 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cica!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Need Plans--Tuner Tuner
Message-ID: <136.26EEDC70@w8grt.fidonet.org>
Date: 13 Sep 90 07:42:02 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 22
Posted: Thu Sep 13 08:42:02 1990

> From: sawyer@twg.com (Bruce B. Sawyer)
> Date: 12 Sep 90 17:37:38 GMT
> Organization: The Wollongong Group, Palo Alto, CA
> Message-ID: <7929@gollum.twg.com>
> Newsgroups: rec.ham-radio
>
> Does anybody have or know where I could obtain plans for a tuner tuner?

Any noise bridge circuit will work, except that you don't need variable bridge legs. Select the values that balance the bridge at 50 + 0j.

```
--- FD 1.99c
 * Origin: Moderator, HAM_TECH / HAM4SALE Echoes (1:234/1)
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |      _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ___________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From 5706629060924830175
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2911021480ac4f97
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 19:43:40 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!mailrus!iuvax!news!cartan!ndmath!nstar!
w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: 15m QRM
Message-ID: <138.26EEDC7C@w8grt.fidonet.org>
Date: 13 Sep 90 07:42:02 GMT

Organization: QRV de W8GRT, Sylvania, OH
Lines: 58
Posted: Thu Sep 13 08:42:02 1990

> From: oo7@ut-emx (Webster Smogpule III)
> Date: 12 Sep 90 18:34:00 GMT
> Organization: The University of Texas at Austin; Austin, Texas
> Message-ID: <37113@ut-emx>
> Newsgroups: rec.ham-radio
>
> murphy@ufp.dco.dec.com (Rick Murphy)
>
> is the only person to have replied to my note about the horrendous QRM
> in the 15m CW band (I guess everyone else is too busy posting other
> stuff
> to the net, homebrewing, and drafting the next set of ham radio rules
> :-)).
>
> ---------------------------------
> In article <37005@ut-emx>, oo7@ut-emx (Webster Smogpule III) writes:
> |>   Recently I have been hearing some very strong QRM on 15m that wipes out
>
> |> about 15 KHz of the band, typically 21020-030, or 21040-060. At first it
>
> |> sounded like ignition noise, until the person I was talking to (in
>
> FCC says it's in the middle east. Most likely Iraq. Encrypted teletype.
> It's big-time loud here on the east coast.
>   -Rick WA1SPT/4
>
> ---------------------------------
> --
>
> I was just about to post something like this when Rick's posting
> appeared.
> AA5ME in Dallas called the FCC last Friday, they got fixes on it from
> six
> stations and said it is roughly on the Syria-Turkey border, close to
> Iraq.
> I heard it again today, centered on 21005, and this time it was more
> radar-
> like, with bursts of what sounded very like our old friend the
> Woodpecker.
> It was S9+. Obvious guess is that it could be US radar, and a more
> obvious
> guess is that they will not turn if off for the hams...

Maybe this is the Iraqi radar refered to in Wednesday's Page 1A USA Today article about the CIA's prediction of imminent Iraqi military action in late July.

--- FD 1.99c

```
 * Origin: Moderator, HAM_TECH / HAM4SALE Echoes (1:234/1)
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From 7039853973680620928
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,45e165e2725d1b25
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 19:52:16 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!mit-eddie!bloom-beacon!w1gsl
From: w1gsl@athena.mit.edu (Steven L. Finberg)
Newsgroups: rec.ham-radio
Subject: Re: ni-cads (long)
Summary: Stop at 1V per cell YES !!!!
Message-ID: <1990Sep13.171234.27013@athena.mit.edu>
Date: 13 Sep 90 17:12:34 GMT
References: <5153@infmx.UUCP> <30500725@ux1.cso.uiuc.edu>
Sender: daemon@athena.mit.edu (Mr Background)
Organization: Massachusetts Institute of Technology
Lines: 38
Posted: Thu Sep 13 18:12:34 1990

It is important to stop the discharge of a battery pack when its terminal voltage reaches about 1 V per cell, to prevent any given internal cell from going to zero volts. The damage to a cell comes when it becomes reverse biased and is reverse charged by the rest of the pack. 1 or 1.1 V is rather arbitrary, what we are looking for is the voltage below which very little charge still remains on any cell in the battery. Once any one cell reaches that voltage it is extermly easy for the stronger cells in the pack to rev bias that weak cell.

Ah .. the critical point.. if all the cells are perfectly matched this is not a problem they all die simultainiously.

If however you as many hamOAs often do..you have replaced a bad cell or 2 or have made up a pack of surplus cells, who knows when the first weak cell will die.

There is no danger in discharging an individual nicad cell to zero volts, regardless of the load as long as we stop there. If we continue to force current thru the cell it will reverse bias and liklly short. The whole "trick" is in knowing when to stop if you can only measure the battery not cell voltages.

For commercial batteries 1 V per cell seems to be a good rule of thumb. A factory made battery pack will be made from cells of the same lot which are reasonably closely matched.

For large expensive or very critical application measure every cell and stop when the voltage approaches zero on any one.!

Because your HT can't sence the right voltage to stop discharging the battery mean you will have a hard time protecting the big battery!
The mfgr set the right cut out V for the small battery. In application where multiple voltage batteries are allowed the function is best built into the battery.

Then again for commercial battery packs this only starts to be a problem as they get old, when 1 or more cells start losing capacity. Just about the time the manufactuer wants you to buy a new battery!

From -6693626298044196663
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e0b13fcdb8c70e6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 20:48:17 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!wuarchive!mailrus!iuvax!news!cartan!ndmath!nstar!w8grt!Tom.Mcgee
From: Tom.Mcgee@w8grt.fidonet.org (Tom Mcgee)
Newsgroups: rec.ham-radio
Subject: Re: HELP IN REPAIRING A KENWOOD 790A
Message-ID: <141.26EFF973@w8grt.fidonet.org>
Date: 14 Sep 90 03:48:17 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 17
Posted: Fri Sep 14 04:48:17 1990

In answer to Karl R. Tigerstedt:

I've run into a lot of lightning damaged equipment and the bottom line is that there is nothing predictable about the kind of damage that you'll get. I've seen equipment where every active device was wiped out. The best thing is to send the equipment back to the manufacturer (IMHO)....He's probably seen it before.

```
--
  |\/\/\/|
  |      | Tom Mcgee - via FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!Tom.Mcgee
  |     _) INTERNET: Tom.Mcgee@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\         of the Mind and ride the NOS!"
```

From -871973869353181922
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,6785179579495370
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-13 20:48:17 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!mailrus!iuvax!news!cartan!ndmath!
nstar!w8grt!Tom.Mcgee
From: Tom.Mcgee@w8grt.fidonet.org (Tom Mcgee)
Newsgroups: rec.ham-radio
Subject: Re: MAG MOUNTS VS. HOLES
Message-ID: <142.26EFF978@w8grt.fidonet.org>
Date: 14 Sep 90 03:48:17 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 12
Posted: Fri Sep 14 04:48:17 1990

In answer to Jeff Crilly N6ZFX:

On-glass antennas work fine through defroster wires in my experience.

--
  |\/\/\/|
  |      | Tom Mcgee - via FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!Tom.Mcgee
  |     _) INTERNET: Tom.Mcgee@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\         of the Mind and ride the NOS!"


From 1536656151898131142
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1ba945fa99b861e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 01:02:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!mailrus!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Why is aviation radio AM?
Message-ID: <144.26F06414@w8grt.fidonet.org>
Date: 14 Sep 90 08:02:02 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 26
Posted: Fri Sep 14 09:02:02 1990


 > From: dube@cpdvax.csc.ti.com
 > Date: 13 Sep 90 01:44:52 GMT
 > Organization: The Internet
 > Message-ID: <9009130144.AA18510@tilde>
 > Newsgroups: rec.ham-radio
 >
 > My guess is that (1) converting to FM would be super expensive for
 > airlines
```

> and general aviation aircraft owners and (2) the taxpayers won't foot
> the bill
> for the jillions it would cost to change all the ground stations.

All of the above, even though true, overlooks one fact - AM works. There is no compelling need to change every aviation radio in the world. If they ever drop AM, they probably skip FM and go straight to one or another digital mode.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From 3645602897862815875
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,39a5ce03c086cf0b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 02:52:23 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!snorkelwacker!husc6!m2c!umvlsi!umaecs!scott
From: scott@ecs.umass.edu
Newsgroups: rec.ham-radio
Subject: Re: BARF and the FCC
Message-ID: <10685.26f0a857@ecs.umass.edu>
Date: 14 Sep 90 09:52:23 GMT
References: <220@ssc.UUCP>
Lines: 19
Posted: Fri Sep 14 10:52:23 1990

In article <220@ssc.UUCP>, tad@ssc.UUCP (Tad Cook) writes:
> I thought the FCC had refused to do anything about the "war on 20",
>
>
> Tad Cook
> Seattle, WA
> Packet: KT7H @ N7HFZ.WA.USA.NA
> Phone: 206/527-4089
> MCI Mail: 3288544
> Telex: 6503288544 MCI UW
> USENET:...uw-beaver!sumax!amc-gw!ssc!tad
> or, tad@ssc.UUCP

To make sure whether or not this was a real $1000 fine, and not just a show cause order, I called the FCC office in Boston and was told this was a fine. I was afraid they were going to be able to argue their way out by writing letters, etc. and carrying on with the FCC. No such luck, boys. Pay up! Grow up! And shut up! Its about time the FCC did something.

These guys have been an international disgrace to this country for a long time.

From 5442004368640207088
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,39a5ce03c086cf0b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 03:34:06 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!lavaca.uh.edu!uhnix1!lobster!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: BARF and the FCC
Keywords: 20 mtrs, enforcement
Message-ID: <Q:X.3HA@splut.conmicro.com>
Date: 14 Sep 90 10:34:06 GMT
References: <220@ssc.UUCP>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 15
Posted: Fri Sep 14 11:34:06 1990

In article <220@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>I thought the FCC had refused to do anything about the "war on 20",
>but it looks like they have taken action:
>FCC FINES THREE AMATEURS FOR VIOLATIONS ON TWENTY METERS
[K1BFI, KV4FZ, and N5FX fined $1000 each]

...and there was much rejoicing.

Are these three the main BARF bags?

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
"I can't believe I really wrote     +--------------------------------------
this." - Henry Spencer, about awf, his nroff -ms subset written in awk
```

From -7632580148431552220
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1168d3cc003e22fd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 06:00:30 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!rutgers!ucsd!ucbvax!ciba-geigy.ch!bpistr
From: bpistr@ciba-geigy.ch (Joseph C Pistritto)
Newsgroups: rec.ham-radio
Subject: Cable-TV Coax as distribution channel project
Message-ID: <9009141127.AA13481@zit.cigy.>
Date: 14 Sep 90 13:00:30 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet

Lines: 43
Posted: Fri Sep 14 14:00:30 1990
X-Unparsable-Date: Fri, 14 Sep 90 13:27:36 MESZ

I'm thinking of a nifty project to install when I move into my new place of residence in CA. In particular, the problem I'm trying to solve is that I'm always wanting to do some SWLing, but don't want to spend all my time in the 'shack'. What I'd like to do is to have the audio from my radio available in all rooms in the house. I can think of wanting to upgrade this later to include video, and possibly doing remote control/operation.

What I'm thinking about is using the cable TV coax in the house as a distribution medium. In particular, taking the cable TV coming from the outside, and 'add in' a few more channels, that I can use to send video/audio from my shack around the house. Then I can use TV's in any room, (even cheapo b/w jobs), to tune the sound that I want. I can think of nifty things like distributing the screen contents of a PC, (for WESAT pictures for instance), as well as more mundane video sources like a surveillance camera mounted outside, as well.

The thing I need here is a box that will mix my incoming cable signal, (which already has 30 or so channels on it), with some 'new' channels that I originate myself.

Does anyone have any experience doing this sort of thing? Know what the appropriate devices are called/cost?

Doing it this way has the advantage that I put all my funding into the front-end equipment, and virtually nothing into the receivers, (since I'd probably have TV's spread around anyway, and small ones are pretty cheap these days). It's real easy to get hamfest parts to build an 'audio-only' TV receiver as well.

Obviously, I need to solve the problem of a 'reverse channel', but I'm thinking of doing that either using carrier current technology, or by putting a single audio carrier on the coax.

Anyone with ideas, please repond to me directly, as I don't get this list reliably at the moment.
-jcp- (N3CKF)

--
Joseph C. Pistritto (bpistr@ciba-geigy.ch, jcp@brl.mil)
Ciba Geigy AG, R1241.1.01, Postfach CH4002, Basel, Switzerland
Tel: +41 61 697 6155 (work) +41 61 692 1728 (home)   GMT+2hrs!

From 3519313912895811962
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,21f778282366797e,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-09-14 06:02:24 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!rutgers!ucsd!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Reply Comments from W3XO
Message-ID: <9009141302.AA06914@cmr.ncsl.nist.gov>
Date: 14 Sep 90 13:02:24 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 259
Posted: Fri Sep 14 14:02:24 1990

Note: W3XO does not have net access and he has asked me to post his PR90-55 Reply Comments. The views expressed are his, not mine.
Bob W3OTC
--------------- W3XO's text starts here ----------------
DRAFT OF REPLY COMMENTS ON NOCODE BY BILL TYNAN W3XO. PHIL: IF I SEEM ROUGH ON YOU, IT'S MOSTLY FOR EFFECT TO GET ATTENTION. I'M NOT MAD OR ANYTHING. BUT, WE DO DISAGREE ON SOME POINTS.

73
BILL

Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, DC 20554

PR Docket No. 90-55

In the Matter of
Amendment of Part 97 of the)
Commission's Rules Concerning)
the Establishment of a Code-free)
Class of Amateur Radio License)

REPLY COMMENTS
Submitted by
William A. Tynan W3XO
HCR 5 Box 574-336
Kerrville, TX

The writer submitted comments in the above proceeding, supporting the general concept of the code-free license but urging that any codefree license support the following general objectives:

A. Encouraging responsible and knowledgeable people, particularly young people, to enter Amateur Radio.

B. Leading to an increase in the utilization of the higher frequency Amateur bands (220 MHz and above).

C. Not increasing the difficulty of entering Amateur Radio for those who might not be as knowledgeable and technically qualified as perspective code-free license candidates might be.

D. Not disrupting current valuable amateur activities.

In support of these, I included the following specific recommendations:

1. Limit codefree licensees to 220 MHz and above, as proposed in the NPRM.

2. Design the examination for the codefree license so as to determine that the applicant has a real knowledge of basic radio, electronics and digital theory, rather than having merely memorized the answers to a few questions.

3. If Number 2 can be accomplished, afford the new licensees all the privileges, in terms of power etc. as higher grade licensees on the same bands.

4. Call the new license "Experimenter" NOT "Communicator".

5. If the Commission sees fit to follow the advice of those who have recommended that codefree licensees be given privileges on 6 an/or 2 meters; institute new rules to limit 50.1 to 50.5, 144.1 to 144.5 and 145.8 to 146.0 MHz to narrowband modes such as SSB, CW and AM (same bandwidth restrictions as are in place for the HF bands), retaining the existing CW limitation from 50.0 to 50.1 and 144.0 to 144.1. (The writer believes that such a provision is needed whether or not codefree licensees are given access to 6 and 2 meters, and is presently preparing a petition for rulemaking on the matter.)

6. Retain the Novice Class license, with administration of its exams coming under the VE system. If classes must be eliminated in order to reduce the Commission's work load, eliminate the General, Advanced or Extra Classes. In any case, such action should be the subject of a separate rulemaking.

Although I have not had the opportunity to review all of the responses submitted in this proceeding (not being able to travel to Washington), I have seen a number of them forwarded to me from various electronic mail sources. I will address those that I have been able to examine.

I am aware of the comments filed by the American Radio Relay League and generally support them, especially in their reaffirmation of their recommendation that codefree license privileges begin at 220 MHz. I do not, however, support their acceptance of the name "Communicator" (their original proposal), for the reasons outlined in my comments filed on this docket. I also do not see a reason for a power limitation of 200 Watts. If the examination is comprehensive, as I have urged, there should be no valid reason to limit the power of codefree licensees to anything other than that available to higher class licensees on the same bands. If, on the other hand, the Commission determines that a comprehensive examination cannot be designed, then I submit that codefree licensees should be limited to 10 Watts. Under that eventuality, the name "Communicator" is probably appropriate.

In the comments filed by the Radio Amateur Satellite Corporation (AMSAT), they espouse the concept of a comprehensive examination that tests the applicant's real knowledge of electronics. Naturally I support their position in this facet of the proceeding. AMSAT also argues for protection of portions of the 2 meter band for weak signal, narrow band applications. I support this as well. They insist, however, that provision be made to provide access by codefree licensees to VHF bands being employed as satellite uplinks. As they point out, there are a number of ways of accomplishing this; from the waiver process, to outright granting of 2 meter privileges to codefree license holders. As stated above, I do not support granting of 2 or 6 meter privileges to codefree licensees because it defeats the objective of increasing the population of the higher frequency Amateur bands. Some kind of waiver, applicable to codefree licensee attempting to communicate through Amateur satellites, might be appropriate, however. Another approach suggested by AMSAT is to grant them blanket use of the satellite uplink frequency segments. Since there is no current way to mandate that licensed amateurs operate in the satellite sub-bands only when attempting to use satellites, I believe that this would lead to disaster in the form of terrestrial interference to satellite operations. The satellite sub-bands would be the only portions of the 2 meter band where they would be allowed to operate. While the waiver approach might carry the same difficulty, the waiver provisions could be made very specific to prevent it.

The comments of Phil Karn KA9Q, although inaccurate and incomplete, are interesting. Despite his many valuable contributions to Amateur Radio and his possession of an Extra Class license, I must conclude that Mr. Karn doesn't understand the hobby - beyond his own narrow area of interest. In his third paragraph, he state; "Code proficiency is no more relevant to operation on the 50 and 144 MHz bands than it is on the frequencies above 220 MHz". I might agree with this statement, if he means that code proficiency IS valuable on the bands above 220 MHz. But, I don't believe that this is his intended message. The entire thrust of his comments is that code is no longer needed in Amateur Radio - not just on VHF. He blames only ITU regulations for retaining a code requirement for operation on the HF bands - and there proposes to lower the requirement to 5 words per minute. I am convinced that he intends to work for the elimination of the ITU requirement, as well as any code sub-bands on HF. The tenor of his entire submission is anti-code in general, not merely pro codefree license. Mr. Karn is either unaware of, or doesn't care about the many who use code regularly on the VHF and UHF bands. Being associated with AMSAT, including being a member of its Board, he must be aware of the important role code plays in operation via the amateur satellites. Indeed, the way many get started on the satellites is through code. It provides a way to construct a simple, inexpensive station, capable of satellite operation. SSB or data communication on the satellites, usually entails the use of expensive commercial equipment. In fact; it is interesting to note that Mr. Karn, despite his close and valuable association with AMSAT, makes only passing reference to satellites. Other VHF/UHF applications of code, the existence of which Mr. Karn ignores, include long haul tropo and moonbounce communication. My long years of experience on the bands above 30 MHz have taught me that code is particularly valuable. Many of the countries I have worked on 6 meters (101 at current count), I could have only worked using code. If anything, the use of code is even more necessary on the UHF and microwave bands than on the lower VHF bands. On at least one occasion, I have been frustrated in not being able to work a low power station on 1296 MHz about 120 miles away, because his station was not set up for CW operation. I am convinced that codefree licensees will certainly be at a disadvantage on any bands they occupy, unless they are satisfied to limit their activities to relatively short haul voice and data modes, generally based on the use of FM.

I agree with Mr. Karn that codefree licensees should not be considered as some kind of non-real hams. However, I contend that the key to have them accepted as "real hams" lies in a comprehensive license exam. Mr. Karn does not even address this issue in his comments and seems satisfied with the name "Communicator". I assert that the use of the name "Communicator" and a requirement to pass only a relatively simple entry level type examination, is very liable to result in codefree licensees being branded as some kind of sub-hams.

Another, who does not appear to understand what really goes on on the bands above 50MHz is Brian Kantor. He begins his argument for granting codefree licensee use of all bands above 30 MHz with the premise "Since Morse code is rarely used in VHF and UHF communications..." Surely, basing a position on such an erroneous argument should be grounds for ignoring the remainder of his comments. Nevertheless, I will deal with some of his other points. Mr. Kantor, Mr Karn and many others base their argument for a codefree license on the premise that we should do all we can to encourage interest in scientific and technical fields, particularly among young people. I agree with this and it is one of reasons I support a codefree license. However, I would not want it to turn into a CB-like service. That would be counterproductive to meeting the objective. We might get lots of new "hams", but they would hardly be advancing scientifically or technically. My other major reason for supporting a codefree license is to promote greater occupancy of the higher bands. I contend that, if a person truly wants to get into Amateur Radio as a technical hobby and wants to do so without learning code, operation above 220 MHz and a comprehensive technical examination should not be hindrances to that objective. If, however, the objective is to "talk to their friends and family over the radio" then a simple exam and 2 meters is what they want. I submit that if this comes to pass, unless the Commission erects some kind of barrier to FM operation in the weak signal and satellite portions of the band; satellite, long haul tropo, meteor scatter and moonbounce operation will be things of the past. Mr. Karn, Mr. Kantor and many others, who seem to think that VHF/UHF operation is limited to FM and packet (also FM), ignore the impact of turning lose an additional hoard of FMers on 2 and 6 meters without some kind of protection for weak signal narrowband modes. Mr Kantor compounds his lack of knowledge by the following statement: "Even the traditional advantage of Morse for weak signal communication no longer holds true: digital signal processing techniques have yielded communication systems which can be built by the ham experimenter that will provide reliable communications at received signal strengths far below those at which the human ear can even discern that there is a Morse signal present." THIS STATEMENT IS ABSOLUTELY FALSE. Some day, it may be true. Many VHF operators hope so. There have been many promises over the years for such a utopian scheme that would make moonbounce available to the "average" VHFer (100 Watts and a 12 to 15 dB gain antenna). But, so far, no one has demonstrated such a system. The answer is that more goes on inside the human brain in digging out weak signals than most people realized. Maybe, some day, the process can be implemented on a few chips, and maybe even improved upon; but it hasn't be shown to work that well yet. I won't waste my time and that of the Commission discussing further Mr. Kantor's comments. I am happy to see that he stopped short of proposing that the Commission "ban" Morse code, although he seems to have considered the idea.

I agree with many of the points made by Mr. Kenneth J. Hendrickson N8DGN, although not necessarily with his conclusions and recommendations. I think that he is correct in noting that most technical contributions and articles about them come from amateurs with higher grade licenses. Mr. Robert J. Carpenter W3OTC has also studied this phenomenon, and reached a similar conclusion, which is documented in his comments. Nevertheless, there may be some who can make technical contributions but are inhibited from becoming amateurs by the code requirement. It is to tap these few, that I support the concept of the codefree license. However, as I have stated several times, it should not be based on a simple entry-level exam aimed at appealing mostly to those who want get an Amateur license so they can "talk on the radio". Naturally, I agree with Mr. Hendrickson's comments with regard to code being a very useful mode for weak signal conditions and under conditions where signal spreading takes place, such as auroral propagation. However, I reject his recommendation that the weak signal sub-bands should be off-limits to those who have not passed a 13 word per minute code test. Current Technician Class licensees make up a significant proportion of those active on these bands. (Although, evidence shows that they are not in majority.) I think that it would be a mistake to eject them at this point. I am even in favor of codefree licensees being able to operate the weak signal sub-bands - provided that they do so with SSB or CW (NOT FM). I believe that the more intelligent ones will soon learn that they must have a working knowledge of Morse code in order to make effective use of VHF and UHF frequencies.

Nothing I have seen in the comments of others has altered my convictions as stated in the comments I submitted on this docket. I hope and trust that the Commission will study all of the comments and reply comments, as well as carefully evaluate the ramifications of any proposed course of action on the various facets of Amateur Radio, including that not-very-vocal minority - the weak signal VHF/UHF/microwave operators. Through such a process, it should be able to come up with a decision which will benefit all of Amateur Radio without negatively impacting any group.

Respectfully submitted,

William A. Tynan
W3XO .

From -6758485598873427346
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1e7f3b9c3b1efe2b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 06:55:35 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!psuvax1!rutgers!news-server.csri.toronto.edu!utgpu!utzoo!mnetor!ghp!jim
From: jim@ghp.UUCP (Jim Stewart)
Newsgroups: rec.ham-radio
Subject: Re: Technical Publication Announced
Message-ID: <666@ghp.UUCP>
Date: 14 Sep 90 13:55:35 GMT
References: <1990Sep12.133631.7939@cbnewsl.att.com>
Reply-To: jim@ghp.UUCP (Jim Stewart)
Organization: Gellman Hayward & Partners Ltd.
Lines: 24
Posted: Fri Sep 14 14:55:35 1990

In article <1990Sep12.133631.7939@cbnewsl.att.com> feg@moss.ATT.COM writes:

>I have received a letter from Terry Northrup of
>CQ Communications, Inc. Greenville, NH which
>announces a quarterly she names Communictions Quarterly--
>The Journal of Communications Technology.

>Terry also informs me that promotional material is being
>mailed to all former subscribers of HR and to the current
>subscriber list of CQ magazine.

Please post an address for this new journal.

I was not a subscriber of HR, always saying I would subscribe when my address stabilized, but buying it occationally when I could find it at the local ham store. As a result I won't get this material. I would like to support such a magazine and would appreciate it if someone could post where I could write to get on their list.

tnx, jim
--
Jim Stewart, VE3SRJ
UUCP: jim%ghp@mnetor.uucp
BELL: (416)862-0430

From -3676696242393699422
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7f605c0b90bbe81
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 07:11:46 PST
Path: gmdzi!unido!mcsun!uunet!samsung!dali.cs.montana.edu!milton!uw-beaver!ubc-cs!alberta!herald.usask.ca!weyr!katz
From: katz@weyr.FIDONET.ORG (Sylvan Katz)
Newsgroups: rec.ham-radio
Subject: re: Horrendous 15m QRM
Message-ID: <836.26F1C68A@weyr.FIDONET.ORG>
Date: 14 Sep 90 14:11:46 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 11
Posted: Fri Sep 14 15:11:46 1990

That QRM has been heard at this location also on anumber of occasions over the past three weeks. It has always been between 21020-21030 strongest from the north/north east. It has frequently been 20 db S9 on
my TS930s. It would be interesting to get some beam headings on the signal from various locations.
Syl - VE5ZX (soon to be G0/VE5ZX)

```
--
Sylvan Katz             Ham:        VE5ZX
203 Ball Crescent       UUCP:       ...!alberta!herald!weyr!katz
Saskatoon, Sask         Internet:   katz@weyr.FIDONET.ORG
Canada S7K 6E1          Ham bands: below 14.025/21.025/28.025 @ 0100-0300Z
(306) 934-3168
```

From 7195498474822022320
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd3d69c604bf31d3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 07:46:47 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcmgw!music
From: music@hpfcmgw.HP.COM (John Wells)
Newsgroups: rec.ham-radio
Subject: Re: need manual for Lafayette Comstat 25B
Message-ID: <1690054@hpfcmgw.HP.COM>
Date: 14 Sep 90 14:46:47 GMT
References: <11939@chaph.usc.edu>
Organization: HP Fort Collins, CO
Lines: 12
Posted: Fri Sep 14 15:46:47 1990

/ hpfcmgw:rec.ham-radio / keenan@alcor.usc.edu (Robert N. Keenan) / 12:31 pm Sep 12, 1990 /
I am looking for a manual for a Lafayette Comstat 25B 11m base radio.

Please let me know if you have one and could xerox it for me. I would gladly reimburse for costs.

Go to the nearest electronics supply store (not Rat Shack) and look in the master index for SAMS Photofact CB book sreies to find the issue that the Comsat was issued in. Buy the book, if it is still in print. If not in print then find a TV shop or some other older establishment for consumer stuff repair and plead with them. That's your best bet. Otherwise, guess :-).

John Wells WA0LHB in Ft Fun, Coloradio

From -6309929736266956324
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c772c2b8949d0518,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 08:36:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!ROSEVC.Rose-Hulman.EDU!DERRY
From: DERRY@ROSEVC.Rose-Hulman.EDU
Newsgroups: rec.ham-radio
Subject: -. ---   -.-. --- -.. .
Message-ID: <34CA0CA3751FC02C65@ROSEVC.Rose-Hulman.Edu>
Date: 14 Sep 90 15:36:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 36
Posted: Fri Sep 14 16:36:00 1990

From a recent argument for "no-code" licenses:

> Third, the Citizens Radio Service is only one of many other services that do not require their operators and users to know Morse Code. Others include broadcasting, public and private land mobile (including police, fire, GMRS and business band radio), common carrier (e.g., cellular telephony), and aviation. All seem to get along just fine without a code requirement for their operators. Why single out CB for comparison?
>

If one wants to transmit, then the previous paragraph provides several ways to "get on the air". I encourage all would-be "hams" who don't have the willpower/time to learn this simple required skill, -- --- .-. ... .   -.-. --- -.. ., to look into one or more of the above opportunities. They all get along just fine without the code requirement. Of course, you may to have some other qualifications.

> Using much the same arguments as the proponents of a no code license have been using, a computer science graduate student recently asked me why there should be a technical exam as a license requirement. He claimed that he did not intend to build or work on radios, but he just wanted to be able to use a hand held transceiver to talk to

> people." (Alan Larson, WA6AZP)
>

Handheld transceivers for this purpose my be purchased from Radio
Shack, Service Merchandise, truck stops, etc. There are generally
AM and operate around 27 MHz. The grad student in question will
then be able "talk to people" who feel the same way he does.

I'm afraid I'm not convinced yet, but keep on trying.

73 from K9CUN, Jack Derry, who may be reached at...

DERRY@ROSEVC.Rose-Hulman.EDU

From 6235585269329279415
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 09:10:58 PST
Path: gmdzi!unido!mcsun!uunet!optilink!elliott
From: elliott@optilink.UUCP (Paul Elliott x225)
Newsgroups: rec.ham-radio
Subject: Re: Novice operating in old days, was Re: Heatkit to be sold?
Summary: the olden days
Message-ID: <4436@optilink.UUCP>
Date: 14 Sep 90 16:10:58 GMT
References: <122.26E9904B@w8grt.fidonet.org> <1250226@hpnmdla.HP.COM>
<108167@philabs.Philips.Com>
Organization: Optilink Corporation, Petaluma, CA
Lines: 41
Posted: Fri Sep 14 17:10:58 1990

In article <108167@philabs.Philips.Com>, rfc@briar.Philips.Com (Robert Casey)
writes:

> I have a question: If novices were required to use crystals to generate the
> xmit freq, and assuming that you don't have a really big selection of
> frequencys (i.e. crystals), then how would you go about answering a CQ? If
> you are not on the same freq, then how would you expect the other guy to hear
> you? Keep answering, and wait for the other guy to eventually tune his radio
> and stumble on your answer?

My first rig was a two-tube transmiter, and a general-coverage receiver
(with amateur-band bandspread dial scales!). I only had one crystal for
the transmitter, but managed to make many contacts with my 5 Watt signal.

The method used was to listen near my transmit frequency, scanning perhaps
plus and minus 10 kHz for replys. In the "olden days", when crystal control
was still common, we often operated with a small split.

Actually, I usually didn't send CQ. There was generally enough activity
that I would sit, vulture-like, on my transmit frequency, monitoring for
anybody interesting calling CQ or finishing a QSO.

The VFO was a great invention, indeed!

> [...] Is 3.579545Mhz in the novice band? [...]
> That freq would be a very common crystal, as it is the
> color TV color info subcarrier. If it is, then that might be a contact freq.

Yeah, its in the novice 80M band. I haven't worked 80M (ever!), but have wondered about that frequency. Just imagine the noise floor, with all those quasi-synchronised, pulse modulated color-bursts going on, nation/world-wide. I can imagine it all right, but what's it really like?

By the way, the ancient history I've just related took place circa-1975. I was on a *tight* budget then! (How come it seems even tighter now?)

-Paul, wb6cxc

--
Paul M. Elliott   Optilink Corporation   (707) 795-9444
{uunet, pyramid, tekbspa}!optilink!elliott
"an archetypal entity..., superimposed on our culture by a cosmic template."

From 3754163748203900210
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d4a18d7e98ea83f3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 09:56:42 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: PR90-55 Reply Comments from W3OTC
Message-ID: <9009141656.AA08029@cmr.ncsl.nist.gov>
Date: 14 Sep 90 16:56:42 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 449
Posted: Fri Sep 14 17:56:42 1990

Before the
Federal Communications Commission
Washington, D. C. 20554

In the matter of:)
)
Amendment of Part 97 of the   )   PR Docket 90-55
Commission's Rules Concerning   )
the Establishment of a Codeless   )
Class of Amateur Operator License   )

REPLY COMMENTS BY ROBERT J. CARPENTER, W3OTC

1. I, Robert J. Carpenter, 12708 Circle Drive, Rockville, MD 20850, having submitted Comments on this Docket, now submit these Reply Comments to correct erroneous or misleading assertions made in various other Comments on this Docket. I also wish to specifically endorse certain other Comments which appear likely to make valuable improvements in amateur radio.

NARROW-BAND-EMISSION SUBBANDS NEEDED ON VHF BANDS

2. William A. Tynan urges the Commission to establish narrow-band-emission subbands on all VHF amateur bands. I strongly support his request. He is right in saying that weak-signal experimental communication, usually using these narrow-band modes, is the chosen activity of many of the most advanced amateurs. It is endangered by encroachment from wide band operation such as FM, packet, TV, spread-spectrum, etc. It is vital that the Commission establish the subbands he proposes so that new and old amateurs will be fully aware of them. Many amateurs are either unaware of the ARRL voluntary band plans, or may be so "anti-League" as to purposely ignore them. Only Commission action can protect this important technically advanced facet of amateur radio from the wide-band operators who are unaware of the weak signal operation since their radios only respond to strong signals. Packet and digital users, not listening by ear, have no chance of noticing the narrow-band weak signals, and thus offer a large potential source of interference.

3. The Commission may wonder why it has had few complaints of serious inter-mode interference in amateur radio. The reason is clear: in the past all amateurs listened to their receivers by ear; starting with packet, we see the coming of amateur modes where no person is monitoring before transmitting.

NOVICE AND TECHNICIAN CLASSES SHOULD BE RETAINED

4. I agree with Philip Karn, Brian Kantor, William Tynan, the ARRL and others that the FCC is wrong in proposing to eliminate "lower" amateur classes such as Novice and Technician. These classes provide a valuable with-code entry point and upgrade path. In fact I feel that these entry points are more suitable than any no-code license.

RETAIN ADVANCED CLASS; PHASE OUT GENERAL AND EXTRA

5. I disagree with Philip Karn, Brian Kantor, Gordon Girton, and others, who want to phase out the Advanced Class and keep the General Class. The additional technical knowledge required for the Advanced Class is vital for full-power HF operation. I recommend that the General Class be phased out instead.

6. Philip Karn and others point out that the FCC says that it is

only able to process about 50,000 amateur licenses a year, and that the current workload approaches this quantity. It is regretable that the NPR 90-55 text did not reveal this fact, since it would have emphasized the urgency of reducing the complexity of the amateur licensing structure, and the number of incremental upgrades. In this context, the Commission should immediately stop issuing new General and Extra class licenses. They should be grandfathered forever, and separate proceedings initiated to eliminate the Extra class band segments. The Commission should also investigate transferring some or all of the data entry task to the Volunteer Examiner system, or some new form of voluntary support corps from the amateur ranks. The amateur volunteer resources are available, they just need the request and some organization.

7. People should be encouraged to enter ham radio at the highest possible license class, and thus reduce the number of unneeded upgrades, To accomplish this, the Commission should require that (1) all exams be given by Volunteer Examiners, and (2) ONLY TWO EXAM "PACKAGES" SHOULD BE OFFERED: (1) 5-WPM CODE AND THE NOVICE AND TECHNICIAN WRITTEN ELEMENTS, AND (2) 13-WPM CODE AND THE ADVANCED WRITTEN EXAM. Even if only one-third of the applicants qualified for Technician (or a no-code license) instead of Novice on the first try, there would be a major reduction in the FCC's large license upgrade workload.

8. It is wasteful paperwork for the Commission to handle certificates attesting to successful completion of insufficient exam elements to allow issuance of any class of license. How can one justify the expense of keeping a record of partial success, when it is logical to expect an applicant to retain the tested knowledge and skills at least long enough to complete all the requirements for license issuance.

9. William Tynan's arguments against adoption of the name "Communicator" for any no-code license are well-made. The Commission should emphasize the technical aspects of amateur radio, should it find that a no-code license is justifiable. A no-code license should not be a "no-code, no-thought, no-work, just-talk" license. The term "Communicator" gives precisely the wrong flavor as to the goals for a no-code license class.

10. Gordon Girton's suggestion of perpetual Technician operation with a CSCE and call-letter suffix, just seems to add to the problems. The FCC field offices would have dozens of unofficial VEC lists of Technicians to paw through, Technicians would have to submit to code reexamination or at least pay their VEC each year, and the FCC amateur data base and the Call Book would have no record of which Technicians were "current", preventing the traditional self policing of amateur radio. Really a terrible idea. Girton's other suggestions on temporary suffixes and distinctive call letters reek of "administrative neatness", and are useless as I pointed out in paragraph 20 of my original comments.

11. Brian Kantor's suggestion of allowing a no-code "Technician" class license to have "all Novice class telegraphy privileges", including those below 30 MHz, clearly violates the international agreements.

Suggested License Class and Examination Structure

Applicant	Package A			Package B		
Already Holds	5 wpm Code	Novice Written	Technician Written**	13 wpm Code	Advanced Written**	License Issued
None	Pass	Fail	Not Given			None
None	Fail	Pass	Fail			None
None	Pass	Pass	Fail			Novice
None	Pass	Pass	Pass			Technician
Novice	Waived	Waived	Fail			Keep Novice
Novice	Waived	Waived	Pass			Technician
Novice	Waived	Waived	Pass	Fail	Not Given	Technician
Novice	Waived	Waived	Pass	Pass	Pass	Advanced
Technician				Fail	Not Given	Keep Technician
Technician				Pass	Pass	Advanced
General				Waived	Fail	Keep General
General				Waived	Pass	Advanced

If A No-code Class Is Created Against My Advice:

None	Fail	Pass	Pass			No-Code License*
No-Code	Pass	Waived	Waived			Technician
No-Code				Fail	Not Given	Keep No-Code
No-Code				Pass	Pass	Advanced

* As I amply show elsewhere in these Reply Comments, I oppose any no-code license class.

** The Commission could further simplify matters by having but a single written exam for all classes except Novice. This exam should approximate the current "Advanced" level of difficulty. However, the difficulty of this exam would probably reduce the number of people entering amateur radio.

OUR 5-WPM LICENSES ARE A BETTER SOLUTION THAN NO-CODE

12. Philip Karn and others claim that foreign experience shows that a no-code license has brought many people into amateur radio. This claim cannot be supported by data. In fact in Table 1 and paragraphs 4 and 5 of my original Comments, I presented data that shows that only Japan has a significantly larger number of hams per capita than the US, even though many countries enjoy the "benefits" of a no-code license. If no-code brings so many people into amateur radio, why don't the no-code countries have more hams per capita than the United States?

13. It is not surprising that foreign hams enter the amateur ranks with a no-code license, since their only other choice is

usually a 12-wpm or higher code test. In the US we have the 5-wpm Technician and Novice entry points. Great Britain is just now instituting a Novice entry point, with a simple written test like our Novice exam. They are making this change in an effort to reverse the stagnation and aging which has occurred in their amateur population despite having had a no-code license for over 25 years. By having the 5-wpm Novice and Technician entry points, the United States has demonstrated the ability to attract as large a portion of its population to amateur radio as have the no-code countries (Japan excepted), and at the same time has maintained the common skill of cw, which I contend is needed for effective sharing of the amateur bands among the many modes of operation. Just talk to any Japanese operator who is interested in Moon-reflection communication (or other highly advanced communications techniques) about trying to share bands with no-code stations.

IS THE RADIOTELEGRAPH CODE RELEVANT?

14. Of course my answer is "yes". The concept that one is fully capable of operating an amateur radio station without knowing the radiotelegraph code seems like expecting to be licensed to drive without demonstrating the ability to parallel park. I can hear it now: "Parallel parking is irrelevant. I only drive in the suburbs. You never have to parallel park in malls. We have a loop driveway. Why I hardly ever have to back up, much less parallel park! Parallel parking is just a 'hazing' ritual to keep people from becoming drivers." Or mathematics: "Why should I have to learn multiplication and division when I have a pocket calculator?" Despite Kantor's claims, the present 5 wpm requirement is low enough, and does not represent "hazing". Most of the foreign countries with no-code do not have our (better) 5 wpm entry point.

15. A real likelyhood is that utter and complete ignorance of cw will breed an under-class of amateurs who blunder about the amateur bands unable to comprehend "what those beeps are". Given enough such "communicators", unable to figure out what is going on, the activities of advanced amateurs will be rendered impossible and they will abandon ham radio. As I said in my original Comments, knowledge of the radiotelegraph code is fundamental to the effective sharing of the amateur bands among all the various interests.

16. In his paragraph 11, Philip Karn deprecates learning Morse Code as offering no room for creativity. The same argument could be made for the learning of the FCC regulations concerning amateur radio, or even for learning the English language itself. "I ain't got no reason for English learnin'; them peoples get me good now." Yes, correct English is just another example of rote learning and doesn't offer the room for creativity just demonstrated.

NO-CODE LICENSEES LOWER TECHNICAL LEVEL IN GREAT BRITAIN

17. The experience in Great Britain seems to disprove the contention by Philip Karn, Brian Kantor, and others, that a no-code license would bring in many highly technical amateurs. The British have had a no-code, VHF-and-up license for more than 25 years. It has the same written exam as their full license. I understand that there are approximately equal numbers of no-code and with-code licensees. I have totaled, by license class, all of the authors of all the technical articles in all the 1989 issues of Radio Communication, the most important British amateur radio journal. There were 57 technical articles, 3 were written by no-code licensees, 4 were by foreign hams (most/all held full licenses) and one was written by an unlicensed person. The other 49 were written by full-code (12-wpm) licensees. In fact the authors of over half the papers (29) were licensed before 1964, the date the first British no-code license was issued, and thus could not have even entered amateur radio by the no-code route! If 50% of the British amateurs are no-code licensees, yet they write only 5% of the technical articles, I conclude that the British no-code license is a refuge for less-technically-capable people, even though the minimum entry level is set by the same written examination as for their full license. I doubt that a no-code license would do any better in the United States. It would only offer a lower-effort entry for those who want to "talk on the radio".

18. Philip Karn and others also assert that a no-code license is a way to draw highly-technical people into amateur radio. They have privately complained to me about Table 2 and paragraph 7 of my Comments on PR 90-55. As I understand it, they challenge my contention that nearly all of the highly technical US amateurs hold 13- or 20-wpm licenses, however they have not furnished me with anything but unsubstantiated, non-numerical counter-claims (lots, many, "I", ...). It seems very unlikely to me that the 5-wpm code requirement keeps many highly-technical people out of amateur radio, when my data shows that most highly-technical people who are already amateurs have no trouble with much faster code. I feel this justifies the conclusion that our present 5-wpm code requirement does not discourage many other highly technical individuals from entering amateur radio. I suspect that Philip Karn's technically-advanced colleagues (his paragraphs 8 and 9) give the code as the reason for not become amateurs as a simple and polite means of terminating the conversation.

ALLOWING NO-CODE ON 50 AND 144 MHz BANDS ILL-ADVISED

19. Philip Karn, Brian Kantor, and others, contend that the characteristics of the 50 and 144 MHz bands do not differ from the higher bands, and thus there is no reason to forbid no-code licensees from operation on these bands. This is false. William Tynan probably knows more than any other person about what is actually happening and being attempted on the amateur bands above

50 MHz. As pointed out in his Comments, the 50 MHz band sees world-wide F-layer ionospheric communication during years of high solar activity. The 50 MHz band sees sporadic-E ionospheric propagation over distances as far as US-to-Europe each Spring, summer, and winter. These conditions are more like those on the 28-MHz band than to the bands above 200 MHz. The 144 MHz band occasionally sees sporadic-E ionospheric propagation. Both the 50 and 144 MHz bands see considerable auroral propagation. In all of amateur radio's history, the E-layer modes have only been seen a handful of times above 200 MHz. F-layer propagation will never been seen on any amateur band above 54 MHz. So, the propagation characteristics of the 50 and 144 MHz bands are often quite different from the bands above 200 MHz, and the long-distance modes on these lower VHF bands often require the use of radiotelegraphy.

20. The Commission must not make frequency assignments (that will not be changed for many years) that only perpetuate the most backward of today's operating habits. The notion that 200 MHz and up is some sort of useless wasteland unsuitable for "real" amateur radio is a know-nothing backward-looking symptom of the lack of initiative in many radio amateurs. No-code licensees on these higher bands would inspire the availability of even cheaper commercial equipment for them, giving even the lazyest amateurs an easy way to join the activity on them.

21. In a real-estate analogy, allowing no-code operators below 200 MHz is like permitting all new construction be in the center-city, no matter how much the crowding, rather than establishing zoning which requires some to build in the suburbs - for the general public good. And in amateur radio there isn't a cost penalty for using the 50 and 144 MHz bands, as there would be in buying city-center land. There is nothing preventing the addition of 220-and-higher inputs and outputs to the existing 50 and 144 MHz FM and packet repeaters, to fill the alleged population gap on the higher bands. This is commonly done today in the case of 144 and 440 MHz repeaters. Cross linking between bands need only continue until the level of experienced amateur operation on any specific higher band reached a critical mass. The FCC would be failing in its stewardship of amateur radio if it didn't encourage operation on the higher amateur bands by limiting the no-code operators to them.

22. Philip Karn, in particular, espouses a "trickle-up" theory which says that you can increase the use of the bands above 200 MHz by letting no-code licensees operate on the (lower) 50 and 144 MHz bands. He is willing to see this create such chaotic crowding that amateurs will be forced to move to the higher bands. In the first place this violates the Commission's stated intention of not negatively impacting current amateur operation. In the second place, there is ample evidence that allowing a class of license voice operation on a lower-frequency band will depopulate higher-frequency bands. A few years ago the Commis-

sion opened part of the 28 MHz band to Novice and Technician voice operation. This has resulted in a reduction in use of the bands above 50 MHz by these licensees. The chairman of the Radio Society of Great Britain's VHF Committee told me that the creation of the 50 MHz band in Great Britain has greatly reduced the population of their higher VHF and UHF bands. Most of their no-code operators moved to the 50 MHz band.

PACKET RADIO PROPONENTS OFFER UNBALANCED VIEW

23. Brian Kantor and Philip Karn do not present a balanced view of amateur radio. Their interest is primarily packet or digital communication. In fact their interest is primarily in the control protocols for this type of communication, which I believe is also their field of employment. This is a very narrow facet of amateur radio. People with these interests often consider the "radio" part of amateur packet radio to be something of an adjunct, and want to use the simplest, lowest technology radio possible. For example, almost all VHF amateur packet radio uses FM-FM modulation (AFSK-FM), one of the least efficient modulation techniques available. Perhaps these people want no-code licensees on the 50 and 144 MHz bands because the "radio" part of packet radio is so secondary to them that they don't consider the greater good that will result from populating the higher amateur frequencies.

24. Yes, these people talk about the wonders of digital signal processing (DSP), but it isn't here yet in amateur radio, and is still very expensive in the commercial communications world. While great claims are made for the effectiveness of DSP, I have never heard of its practical use in amateur radio, with amateur-priced components, and most of the commercial and government uses are in an environment quite different from the amateur bands. There are a few cases where cheap special-purpose integrated circuits have been developed at a cost approaching a million dollars for specific consumer products such as compact disk players. DSP proponents still use the abilities of a skilled code operator as a standard of performance (see Kantor). But they also often stack the comparison by considering unrealistic receiver bandwidths, etc. Communicating with a hundreds of million dollar satellite on a private frequency isn't a lot like amateur radio.

STATION IDENTIFICATION REQUIREMENTS FOR NO-CODE LICENSEES

25. While researching the technical level of no-code licensees in Great Britain, I came across a requirement of the British licensing regulations that must become part of the US regulations, should the Commission adopt a no-code license. The British correctly assume that, since their no-code licensees have not demonstrated their knowledge of the Morse code, the code they send may be unreadable. Thus, the British require no-code licensees to identify their code transmissions by voice. This means that no-code licensees may only use code in those band segments also authorized for voice. In order that the FCC be able to ful-

fill its enforcement responsibilities, it too must require that no-code licensees identify, on the same frequency, in voice. This means that no-code licensees cannot be allowed to transmit in any cw-only band segment. This agrees, in part, with the Comments by Kenneth Hendrickson.

CONCLUSIONS

26. The US 5-wpm license classes are a much better solution than the no-code licenses used in other countries, and have resulted in the US being a leader in terms of radio amateurs per capita. Only Japan has significantly more amateur operator licenses per capita, but they are perpetual licenses not indicating current activity.

27. If the Commission persists and lowers the entry requirements by creating a no-code class of license, it should realize:

> It is likely that FM, packet, TV, spread-spectrum, and other wide-band modes will wipe out highly-technical advanced weak-signal VHF/UHF activity unless the narrow-band, weak-signal activity is given subbands specifically protected against these modes. New licensees would be welcome on the narrow-band subbands when using the appropriate operating modes and practices.

> To reduce its processing load, the Commission should require that the Volunteer Examiners give the entry-level examinations as a package, to encourage entry at as high a license grade as possible. It should also attempt to transfer much of the FCC Amateur data-entry load to volunteers.

> Allowing a class of license voice operation on a lower frequency band depletes the population of the higher VHF/UHF bands. Links between present FM repeaters on 50 and 144 MHz, and repeaters on 220 MHz-and-up, will ensure that no-code licensees restricted to operation above 220 MHz will not be isolated.

> In the US, 5-wpm licensees are conspicuously absent from highly-technical amateur radio activities. I expect this to be true of no-code licensees as well.

> British experience shows that no-code licensees write very few technical articles for amateur journals, and thus I presume them to be of generally lower technical ability than the licensees proficient in code.

> No-code licensees, when attempting to use cw, must be required to meet the transmission identification requirements by using voice, since their lack of knowledge of the Morse code may result in unreadable telegraphy transmissions.

NOTICE

I am providing copies of these Reply Comments to all those parties whose Comments are mentioned herein.

Respectfully submitted this 6th day of September, 1990,

Robert J. Carpenter

From 1777075141062926587
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e895c5af69cb3584
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 10:06:13 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!jle
From: jle@hpfcdc.HP.COM (Jer Eberhard)
Newsgroups: rec.ham-radio
Subject: Re: Extended transmit for ICOM 2GAT
Message-ID: <7880281@hpfcdc.HP.COM>
Date: 14 Sep 90 17:06:13 GMT
References: <9009121922.AA22706@hls.com>
Organization: HP Fort Collins, Co.
Lines: 11
Posted: Fri Sep 14 18:06:13 1990

> I'm posting this for Burt (N6TGW). He would like to know how to make
> the mods to his 2GAT to extend the transmit. I told him that someone in
> netland would know......thanks again....trop

Yes, please, I need this mod, too.

```
Jer/ Eberhard, (SLASH), HAM = N0FZD | Hewlett-Packard - MS99, 1UP10, 15' East
CAP SAR Pilot, COMM,INST,CFI-GLIDER | 3404 East Harmony Road  (303) 229-2861
UUCP:  hplabs!hpfcla!jle            | Fort Collins, Colorado  80525-9599
ARPA:  jle@hpfcla.fc.hp.com Jer_Eberhard@hpfcla.fc.hp.com
```

From -1996379199893127789
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1ba945fa99b861e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-14 10:15:02 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!jle
From: jle@hpfcdc.HP.COM (Jer Eberhard)

Newsgroups: rec.ham-radio
Subject: Re: Why is aviation radio AM?
Message-ID: <7880282@hpfcdc.HP.COM>
Date: 14 Sep 90 17:15:02 GMT
References: <9009130144.AA18510@tilde>
Organization: HP Fort Collins, Co.
Lines: 15
Posted: Fri Sep 14 18:15:02 1990

> My guess is that (1) converting to FM would be super expensive for airlines and general aviation aircraft owners and (2) the taxpayers won't foot the bill for the jillions it would cost to change all the ground stations.

Because it works just fine, the way it is. Also, the aviation modulation method and frequencies were chosen in the DARK AGES = < 1936, before there was stable FM (remember the "AFC" (Automatic Frequency Control) on FM radios, circa late 50s? I wouldn't have wanted that in my airplane.

Jer/ Eberhard, (SLASH), HAM = N0FZD | Hewlett-Packard - MS99, 1UP10, 15' East
CAP SAR Pilot, COMM,INST,CFI-GLIDER | 3404 East Harmony Road (303) 229-2861
UUCP: hplabs!hpfcla!jle | Fort Collins, Colorado 80525-9599
ARPA: jle@hpfcla.fc.hp.com Jer_Eberhard@hpfcla.fc.hp.com

From -2711424756350001489
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,45e165e2725d1b25
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-09 10:33:46 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pt.cs.cmu.edu!dsl.pitt.edu!pitt!w2xo!durham
From: durham@w2xo.PGH.PA.US (Jim Durham)
Newsgroups: rec.ham-radio
Subject: Re: Heathkit AT-1 Transmitter
Message-ID: <132@w2xo.PGH.PA.US>
Date: 9 Sep 90 17:33:46 GMT
References: <44589@apple.Apple.COM> <3786@radio.oakhill.UUCP>
Reply-To: durham@w2xo.pgh.pa.us
Organization: Jim's Basement , Gibsonia, PA.
Lines: 40
Posted: Sun Sep 9 18:33:46 1990

In article <3786@radio.oakhill.UUCP> charlie@oakhill.UUCP (Charlie Thompson) writes:
>In article <44589@apple.Apple.COM>, tomas@Apple.COM (Tom Taylor) writes:
>> I found an old Heathkit AT-1 transmitter at a junk yard. The owner gave
>> Does anybody know anything about this 4-band (80,40,20,10) CW transmitter?
>> Anybody have a manual or know of a source?
>>
>
>The AT-1 was Heath's first amateur transmitter (someone correct me

>if I'm wrong). I have a story about the AT-1..it goes like this:
>
I agree. The receiver was an AR-1 (ever more rare) ,the antenna
coupler was an AC-1 and the VFO was a VF-1.

>ham transmitter. I worked 35 states on CW on 7.180 (different band plan)
>using that little AT-1. The AT-1 is a simple and reliable little transmitter
I was on 7192, this was 1954. I begged and begged and got one for Christmas
that year and built it up. I was 13. I built it twice, rebuilding it after
I learned to solder properly!
>and represents what ham radio used to be. Mine had the 6L6 replaced with
>a more modern 2E26 although the 6L6 is still available.
>
>The AT-1 is a classic. Enjoy it!
>
I only have the case of mine left. I cannabalized it for parts when I didn't
know any better(sigh).

An amusing story is the "35 watts" touted for this little box. I built up
a pair of 6l6's for a plate modulator and worked lots of europeans on
10 meter AM in the summer of 1955. Then came a QST article where someone
measured the output from the AT-1 on 10 meters and it was only 5 watts!
DX with 5 watts AM and an "End Fed Zepp" antenna. Not bad. Wish someone
would give me one, I'd probably have it bronzed!

--
Jim Durham
internet: durham@w2xo.pgh.pa.us   ham packet radio:
jcd@cs.pitt.edu   w2xo@w2xo.#wpa.pa.usa.na

From -5268433119356827135
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,553435c90af3583c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-09 10:47:46 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: Abbreviation for Units Multipliers
Message-ID: <44643@apple.Apple.COM>
Date: 9 Sep 90 17:12:23 GMT
References: <9008241338.AA05397@cmr.ncsl.nist.gov> <12120044@hpldola.HP.COM>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 24
Posted: Sun Sep 9 18:12:23 1990

paul@hpldola.HP.COM (Paul Bame) writes:

>So quick... what's the length of a half-wave dipole for 2 meters? Well

>naturally, it's 1 meter - half of 2 meters! No formula required. A
>2m quarter-wave is then 1/2 meter long which is about 19.7 inches - not
>bad for no formula.

Not quite. At exactly 1/2-lambda, the reactance of your dipole is
not going to be zero. So, the formulae that are commonly published
aren't that useless, albeit they are in some sub-units of a furlong.

Anyway, Paul, your problem is that you think of 144 as the "2m-"
band. Think of it as the 81-inch [3^4] band (and 440 as the 27-inch
[3^3] band), and you too, can design antennae using a common household
ruler. :-)

Flat Earth forever! (No long-path to worry about :-)

With tongue in cheek,

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From 7418061539469130682
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d04ae5484a8f6a7a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-09 13:31:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!julius.cs.uiuc.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!uxh.cso.uiuc.edu!dwsmith
From: dwsmith@uxh.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: marine/aviation/2m ham HT
Message-ID: <30000025@uxh.cso.uiuc.edu>
Date: 9 Sep 90 20:31:00 GMT
References: <370@public.BTR.COM>
Lines: 26
Nf-ID: #R:public.BTR.COM:370:uxh.cso.uiuc.edu:30000025:000:1122
Nf-From: uxh.cso.uiuc.edu!dwsmith   Sep 9 15:31:00 1990
Posted: Sun Sep 9 21:31:00 1990

>/* Written 3:02 pm Sep 8, 1990 by slr@tybalt.caltech.edu in
uxh.cso.uiuc.edu:rec.ham-radio */
>In article <370@public.BTR.COM> rah@public.BTR.COM (Richard A Hyde rah@btr.com)
writes:
>
>>I am a private pilot SEL, and a (still) aspiring ham. I can justify the
>>cost of a 2m HT MUCH more easily if it would also provide me with emergency
>>communications while in the plane.
>>
>>I've scanned the mods collections and can't find anything that would give
>>both TX and RD from 108MHz -> 2m ham. I've heard rumors that Sony makes

>>a special order rig, and that some company named AOL (?) also has a 2m/
>>aviation HT. Alas, I've been unable to run any of this to ground, so I'll
>>make my appeal to the net. Are their any aviating Elmers out there?
>
>I have never seen one. Something you may want to keep in mind is that even
>though some 2m ham rigs will cover a portion of the aviation band, the
>aviation band is AM - most HT's I've seen for 2 meters are FM.
>
>Anyone know WHY the aviation band is AM ?
>

I think the aviation bands were set up before narrow-band FM was in wide
use.

Dave
dwsmith@uiuc.edu

From 8742924365522972547
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d90a3ed3d9df6a91
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-09 13:37:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!uxh.cso.uiuc.edu!dwsmith
From: dwsmith@uxh.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: TN Call Plates
Message-ID: <30000026@uxh.cso.uiuc.edu>
Date: 9 Sep 90 20:37:00 GMT
References: <165425@<1990Sep7>
Lines: 28
Nf-ID: #R:<1990Sep7:165425:uxh.cso.uiuc.edu:30000026:000:1054
Nf-From: uxh.cso.uiuc.edu!dwsmith   Sep 9 15:37:00 1990
Posted: Sun Sep 9 21:37:00 1990

>Ham plates end up having various usefulnesses regardless of what the original
>intent was, including:
>
>1. Identify the car as likely having communications equipment and a skilled
>   operator who knows how to use them. A police office in a situation where
>   he needs communication capability, and knows what a ham plate means, could
>   go to that car. He could also look for antennas and maybe get a CB-er.
>
>2. Identify you as "one of the fraternity" to other hams, who might end up
>   honking "hi" or your call at on the horn, or call you on 146.52 if
>   equipped for 2 meters.
>
>3. Make you look "normal" in hamfest parking lots.
>
>4. Make people ask questions in which can get to say "It's ham radio...
>   ...would you like to know what hams do these days?".

>
>5. A way to make it a lot easier for you to remember your license plate
>   number.
>

6. Give some yo-yo something to steal on graduation night at the University
    of Illinois. A lot of good my TN-Emergency ham plate did me.

Dave Smith
dwsmith@uiuc.edu

From 2445905092634203938
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9de1d6a2543467ad
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-09 14:32:20 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!atha!aupair.cs.athabascau.ca!rwa
From: rwa@cs.athabascau.ca (Ross Alexander)
Newsgroups: rec.ham-radio
Subject: Re: IC751
Message-ID: <256@aupair.cs.athabascau.ca>
Date: 9 Sep 90 20:05:59 GMT
References: <10418@hacgate.UUCP>
Organization: Athabasca University
Lines: 11
Posted: Sun Sep 9 21:05:59 1990

tony@hacgate.UUCP (Tony Reeves) writes:
>Does anyone out there have thke modification that can be made to a Icom
>IC751 for general trasceve? I know it is simple, but how is it done?

Do you mean a 751 or a 751A (they're totally different rigs...) ?? On
the 751A, you just pull one jumper. I can email the description, if
you like.

--
--
Ross Alexander   rwa@cs.athabascau.ca   (403) 675 6311   ve6pdq

---

From -6339967705332164702
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2067e2904d6974e3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-09 14:32:50 PST
Path: gmdzi!unido!mcsun!uunet!know!cs.utexas.edu!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: ABUSE OF HAM RADIO ETHICS IN talk.politics.mideast
Message-ID: <4433@qip.UUCP>

Date: 9 Sep 90 15:54:04 GMT
References: <35@inews.intel.com> <1140039@hprnd.HP.COM>
Reply-To: john@qip.UUCP (John Moore)
Organization: Anasazi Inc, Phoenix AZ
Lines: 24
Posted: Sun Sep 9 16:54:04 1990

In article <1140039@hprnd.HP.COM> jblake@hprnd.HP.COM (John Blake) writes:
]/ hprnd:rec.ham-radio / fergie@megrez.intel.com / 7:45 am Sep 6, 1990 /
]> The following is a posting I made on talk.politics.mideast.
]> This is in response to an obvious racist!
]> I do not think that ham radio should be used as a front
]> for some racist group. Ham radio should be used to
]> unite people.. not build walls between people.
]> **
]
]Pardon me, I must have missed something. Perhaps someone could explain
]what this is all about?
]
Sure - there is a toad infesting usenet by the name of Jack Schmidling
who signs his anti-semitic ravings using "Amateur Radio Foundation"
and prefaces his arguments with "ARF says:" Myself and other hams
have publicly objected to his use of the terms Amateur Radio
in association with his disgusting racism. He is, apparently, a
licensed ham. I believe that ARF is related to BARF which is
responsible for the current 14.313 mess, but I'm not sure of that.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -7889135873868570791
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,45e165e2725d1b25
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-09 15:44:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!mips!prls!pyramid!voder!apple!
usc!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: ni-cads (long)
Message-ID: <#?500725@ux1.cso.uiuc.edu>
Date: 9 Sep 90 22:44:00 GMT
References: <5153@infmx.UUCP>
Lines: 41
Nf-ID: #R:infmx.UUCP:5153:ux1.cso.uiuc.edu:30500725:000:2356
Nf-From: ux1.cso.uiuc.edu!phil   Sep 9 17:44:00 1990
Posted: Sun Sep 9 23:44:00 1990

> 6. Discharge of a Nicad is critical only if the cell is under a load.

> When loaded, the cell voltage should not be allowed to drop below 1.1 volts which is just over the edge of the discharge end of the curve. Allowing the cell to drop to 1.0 volt or less while under load may cause permanent plate/electrolyte damage. The result would be a loss of cell capacity. Of course, a loss also takes place naturally with age which limits the number of charge-discharge cycles the cell is capable of supporting before it is exhausted.

The nominal cell voltage is something like 1.2 volts. An 11 cell pack which gives me 13.2 volts, would give me 12.1 volts at this level of discharge. There are packs available as low as 7.2 volts and the radio words well down to 6 volts. So how does one know when the cell voltage is below 1.1 volts? This is NOT an easy thing to do. The radio will still be operating when the cell is dogn to 0.6 volts.

In fact I quesdion that this level (1.1 volts) is even correct as the point where damage can occur. If it does, it appears to be very subtle.

> 9. Over the years, there has been many a discussion about Nicad cell memory. Yes, Nicads do have a memory function which can be aggravating if not understood. Simply stated, if the cell is used only over a small portion of its total capacity for at least 60% of the cycle time, the cell capacity will assume the more limited capacity value. To avoid the tendency of a memory condition inhibiting use, allow the cell/pack to be fully charged and discharged at least 60% of the total charge-discharge cycles. If in doubt about what is a full charge or what the discharge condition happens to be, then allow the cell/pack to fully discharge, unloaded when below 1.1 volts/cell, about one out of ten cycles. The

But what if the pack is already below 0.6 volts/cell as a result of ordinary use?

> charge rate from full discharge should be C/10 for 12-14 hours to cause as much chemical conversion to occur as possible. Charging at twice that value is not a problem as long as the cell doesn't start out-gassing (Monitor the temperature and taper off the end charge rate).

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -7192852088123796144
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9389c6ad391d7f59
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-09 15:44:08 PST
Path: gmdzi!unido!mcsun!ukc!icdoc!g7ahn
From: g7ahn@compulink.co.uk
Newsgroups: rec.ham-radio
Subject: Re: Broadcast station on 10 Meters?
Message-ID: <2253@gould.doc.ic.ac.uk>
Date: 9 Sep 90 10:35:17 GMT
References: <107863@philabs.Philips.Com>

Sender: ah@doc.ic.ac.uk
Reply-To: g7ahn@compulink.co.uk (Costas Krallis G7AHN)
Followup-To: rec.ham-radio
Distribution: rec
Organization: Imperial College, London, UK.
Lines: 24
Posted: Sun Sep 9 11:35:17 1990

In article <107863@philabs.Philips.Com> rfc@briar.Philips.Com (Robert Casey)
writes:

> Sb: Broadcast on 10 Meters?????
>
> It is 17:01 UTC, Saturday, 9/8/90. I am tuned to 28.740 MHz AM, and
> I am listening to a commercial broadcast station. It's not my equipment,
> it has been confirmed by other local hams. Does any one know what station
> this is? Why is it on 10 meters? This is the first time I have heard it
> so I am assuming that it is a new station. Any one in the know?
>
> 73, Steve N2JGQ @ N2IMC.NJ.USA.NA

Most likely its an harmonic from the station transmitting on 9580 kHz
at the same time.....
Just a few milliwatts of RF at 28 Mhz are capable of worldwide
coverage, especailly with a sensitive communications receiver
and a good antenna at the receiving end. It is possible that the
output of the broadcaster is within the limits regarding harmonic
radiation but I suspect it is not.

Costas Krallis G7AHN
Imperial College
London, UK

E-Mail: cmaae97@vaxa.cc.ic.ac.uk, g7ahn@compulink.co.uk

From -3144699570060289664
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5ae24ba038694319,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-09 17:48:19 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: AMSAT Bulletins, 9/8/90
Keywords: ham satellites
Message-ID: <211@ssc.UUCP>
Date: 10 Sep 90 00:48:19 GMT
Organization: very little
Lines: 545
Posted: Mon Sep 10 01:48:19 1990

SB ALL @ AMSAT $ANS-251.01

STS-35/SAREX LAUNCH DELAYED

HR AMSAT NEWS SERVICE BULLETIN 251.01 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 8, 1990
TO ALL RADIO AMATEURS BT

STS-35/SAREX Mission Delayed Due To Hydrogen Leak

NASA officials have informed AMSAT-NA SAREX personnel that the launch of STS-35 has been further delayed due to a small hydrogen leak in the aft Shuttle engine compartment. Although a smaller leak this time than the one which caused a roll-back of the Shuttle Columbia several months ago, technicians found that the concentration of 6,000 parts/millon of hydrogen in the engine compartment was enough to cause concern to delay the launch and begin repair operations. All radio amateurs who have been looking forward to this exciting mission are asked to have a little more patience while these "pesky" leaks are being fixed. According to NASA officials, the earliest the Shuttle Columbia can be ready for lift-off is September 17, 1990. All SAREX operating times are based on Mission Elapse Time (MET). So regardless of the launch date, operating schedules found in past ANS bulletins and in W1AW bulletins will still hold. Amateurs will just need to recompute the time based on the new lift-off time. Likewise, all operating frequencies for the SAREX packet radio robot operations will remain the same. However, as the STS-35 launch approaches again, this pertinent information will be repeated. Please stay tuned to AMSAT HF/VHF Nets and AMSAT News Service (ANS) bulletins for further updates on the launch of STS-35. Also, W1AW will be providing updates on the launch during its daily CW and Voice bulletins.
/EX
SB ALL @ AMSAT $ANS-251.02
FO-20 IRREGULAR TRNSPNDR OPS

HR AMSAT NEWS SERVICE BULLETIN 251.02 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 8, 1990
TO ALL RADIO AMATEURS BT

Fuji-Oscar 20 Experiencing Temperature Problems

JAMSAT reports that since emerging from an eclipsing period in late August, FO-20 command stations have been having difficulty controlling the temperature aboard FO-20. Battery temperature had risen to over 40 deg. C when mode-JA and JD in simultaneous operation. Even after turning off both transponders last week, the temperature of the was still at 35 deg. C. If the batteries are left at these elevated temperatures for any prolonged period of time, it significantly reduces the battery life. (As a point of reference, the Microsat Battery temperatures typically hover around 0 to 5 deg. C.)

While the command station is collecting data on this problem and works on a solution, it can be expected that FO-20 will not be on any sort of regular operating schedule.
/EX
SB ALL @ AMSAT $ANS-251.03
PACSAT BBS INFO, PART I

HR AMSAT NEWS SERVICE BULLETIN 251.03 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 8, 1990
TO ALL RADIO AMATEURS BT

NK6K Provides Answers About Future PACSAT BBS Operations, PART I

AMSAT-NA Area Coordinator Jim White (WD0E) has asked some questions that are probably of general interest to OSCAR satellite users about the PACSATs and AMSAT software engineer, Harold Price (NK6K), has responded with the following answers.
WD0E: "Which PACSAT will commence BBS operations first?"

NK6K: "UO-14 is now about 80% functional with the BBS software. AO-16 will be brought to that level, then LO-19.

WD0E: "Will the TLM or Whole Orbit Data (WOD) format, frequency or any other parameters change?"

NK6K: "This is more of a spacecraft control than an application question. There is nothing in the new code that will require a change. WOD will probably end up as files, and be downloaded or broadcastable. This means that it won't come down in frames sent to WOD, but the internal record format will be the same. I'd like to see some compression on the WOD, but we may be running out of code space. If it is compressed, the groundstation software will know how to decompress it. We'll do a update to the Operating System runtime libraries next year that will give us back some program memory. There would be no frequency changes."

WD0E: "Will people still be able to just digipeat through the PACSATs?"

NK6K: "This has not yet decided. Digipeating is a good way to check out your station. I don't think there is much other demand for it in the long run, The MICROSATs are available now for digipeating, but you don't see much of this type of activity. I would not want to see digipeating supplant the intended use of store-and-forward data, but if there is a big demand I suspect it would be addressed."

WD0E: "How will the "user" ground software be distributed and tested?"

NK6K: "Jeff Ward (G0/K8KA) and I have discussed two approaches. However, nothing has been finalized. The first approach is to make a minimum implementation of the user ground-based software available, including C language source code, as shareware. We want to get something out soon, and, since Jeff and I are IBM PC-based, availability of code will hopefully encourage others to write for MAC, Amiga, C-64, Unix, and others. The only downside is we don't want to leave the impression that all AMSAT offerings are shareware. The minimum implementation will not be automated, and will not be pretty (colors, windows, pulldown menus, etc.) but will be more portable. The second approach is for AMSAT-NA and AMSAT-UK make available an "all-singing-all-dancing" PACSAT groundstation program. This will be automated, easily interfaced to terrestrial BBSs, and will have a fancy menu driven format. No source."

/EX
SB ALL @ AMSAT $ANS-251.04
PACSAT BBS INFO, PART II

HR AMSAT NEWS SERVICE BULLETIN 251.04 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 8, 1990
TO ALL RADIO AMATEURS BT

NK6K Provides Further Answers About Future PACSAT BBS Operations, PART II

WD0E: "How will WOD dumps and BBS output be interleaved on the downlink?"

NK6K: "The broadcast protocol provides for demuxing broadcast files. This is probably how WOD will be done. These frames are sent to the address QST-1. Direct connect BBS file transfer is done in frames sent to the user's address. The broadcaster controls the repetition rate for simultaneous broadcast files, based on the number of user's requesting a file, or the file's priority. The method for prioritizing broadcast vs. direct connect (FTL0) is To Be Determined."

WD0E: "How will people know the BBS is running and available? Will they be able to tell by looking with an ASCII terminal program, with TLMDC or similar or will they have to have the ground software to tell?"
NK6K: "Much ado will be made. Also, you'll see frames sent to QST-1 with a PID of BBS."

WD0E: "Will the user ground software be available before the BBS in the bird is turned on?"

NK6K: "Available, yes. Widely distributed? No. We have to have it running on the air to give it a good test, but don't want to subject it to simultaneous connects on the first day. Once a week's worth of testing by users has been successful, the shareware will be placed on Compuserve and elsewhere."

WD0E: "Will you be testing BBS and ground software together for a time prior to making ground available? How will people know that is happening?"

NK6K: "Yes, we will. This is happening as we speak on UO-14. People will learn the same way as always, via official AMSAT Nets and publications."

It is hoped that these answers from NK6K will give radio users a further understanding about the PACSAT user BBS software.
/EX
SB ALL @ AMSAT $ANS-251.05
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 251.05 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 8, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times. Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date	Phs	mode	UTC	NCS	Backup	U.S. day
18 Sep 90	172	J/L	0040	WA5ZIB	WB6LLO	Monday
28 Sep 90	171	J/L	0100	KA5SMA	N5BF	Thursday
9 Oct 90	172	J/L	0015	WD0E	WB9ANQ	Monday

For information on the amateur satellite program and how you can participate, contact AMSAT-NA at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062, or contact your local AMSAT Area Coordinator.
/EX
SB ALL @ AMSAT $ANS-251.06
AO-13/AO-10 TRANSPONDER SKED

HR AMSAT NEWS SERVICE BULLETIN 251.06 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 8, 1990
TO ALL RADIO AMATEURS BT

A new Transponder Schedule for AO-13 was put into effect on September 8.

Mode S operation has been eliminated for the time being since relatively poor solar panel illumination does not allow sufficient power for proper battery maintenance during Mode S and S/B periods.

The present transponder schedule for AO-13 is as follows:

Mode-B : MA 003 to MA 165
Mode-JL : MA 165 to MA 195
Mode-B : MA 195 to MA 240
Off : MA 240 to MA 003 (Mode B Beacon On)
Omni Antennas : MA 240 to MA 060
The September 10 attitude estimate is:
BLON = 205 and BLAT = -7

AMSAT-OSCAR-10 appears NOT TO have been receiving sufficient solar panel illumination to support Mode-B transponder operations. Both beacon and transponder signals started showing signs of FMing. Therefore, until further notice please DO NOT use AO-10's transponder.

It is expected that AO-10 may once again receive sufficient solar illumination to support Mode-B transponder operation by sometime in November.
/EX
SB ALL @ AMSAT $ORBS-251.O
Orbital Elements 251.OSCAR

HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES
FROM N3FKV HEWITT, TX SEPTEMBER 8, 1990
TO ALL RADIO AMATEURS BT

```
Satellite: AO-10
Catalog number: 14129
Epoch time:      90238.61357863
Element set:     547
Inclination:       26.0406 deg
RA of node:       187.8479 deg
Eccentricity:    0.5952609
Arg of perigee:   170.7338 deg
Mean anomaly:     209.0516 deg
Mean motion:    2.05880945 rev/day
Decay rate:      -1.40e-07 rev/day^2
Epoch rev:            5418

Satellite: UO-11
Catalog number: 14781
Epoch time:      90248.58465124
Element set:     776
Inclination:       97.9445 deg
RA of node:       298.4935 deg
Eccentricity:    0.0012840
Arg of perigee:   357.8666 deg
Mean anomaly:       2.2471 deg
Mean motion:   14.65634608 rev/day
Decay rate:      1.795e-05 rev/day^2
Epoch rev:           34774

Satellite: RS-10/11
Catalog number: 18129
Epoch time:      90248.01674093
Element set:     310
Inclination:       82.9217 deg
RA of node:       269.5464 deg
Eccentricity:    0.0010380
Arg of perigee:   255.9239 deg
Mean anomaly:     104.0775 deg
Mean motion:   13.72106928 rev/day
Decay rate:       2.12e-06 rev/day^2
Epoch rev:           16039

Satellite: AO-13
Catalog number: 19216
Epoch time:      90233.10507939
Element set:     144
Inclination:       56.9230 deg
RA of node:       139.8507 deg
Eccentricity:    0.7012370
Arg of perigee:   234.0055 deg
Mean anomaly:      39.5251 deg
Mean motion:    2.09695679 rev/day
Decay rate:       1.46e-06 rev/day^2
Epoch rev:            1676

Satellite: FO-20
```

```
Catalog number: 20480
Epoch time:      90237.47999198
Element set:     102
Inclination:       99.0343 deg
RA of node:       270.8937 deg
Eccentricity:    0.0540177
Arg of perigee:   251.6210 deg
Mean anomaly:     102.5464 deg
Mean motion:   12.83159072 rev/day
Decay rate:       1.10e-07 rev/day^2
Epoch rev:            2563
/EX
SB ALL @ AMSAT $ORBS-251.D
Orbital Elements 251.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS
FROM N3FKV HEWITT, TX  SEPTEMBER 8, 1990
TO ALL RADIO AMATEURS BT

Satellite: UO-14
Catalog number: 20437
Epoch time:      90247.73613164
Element set:     203
Inclination:       98.6920 deg
RA of node:       323.5953 deg
Eccentricity:    0.0010783
Arg of perigee:   285.7121 deg
Mean anomaly:      74.2846 deg
Mean motion:   14.28702551 rev/day
Decay rate:       6.25e-06 rev/day^2
Epoch rev:            3222

Satellite: AO-16
Catalog number: 20439
Epoch time:      90244.42881742
Element set:     105
Inclination:       98.6999 deg
RA of node:       320.4480 deg
Eccentricity:    0.0010735
Arg of perigee:   295.6429 deg
Mean anomaly:      64.3635 deg
Mean motion:   14.28801476 rev/day
Decay rate:       6.24e-06 rev/day^2
Epoch rev:            3175

Satellite: DO-17
Catalog number: 20440
Epoch time:      90244.42236293
Element set:     114
Inclination:       98.7005 deg
RA of node:       320.4573 deg
Eccentricity:    0.0011018
Arg of perigee:   296.3190 deg
```

```
Mean anomaly:      63.6848 deg
Mean motion:   14.28851493 rev/day
Decay rate:       6.66e-06 rev/day^2
Epoch rev:            3175

Satellite: WO-18
Catalog number: 20441
Epoch time:      90244.68652978
Element set:     108
Inclination:       98.7001 deg
RA of node:       320.7491 deg
Eccentricity:    0.0011535
Arg of perigee:   295.1838 deg
Mean anomaly:      64.8146 deg
Mean motion:   14.28943119 rev/day
Decay rate:       6.12e-06 rev/day^2
Epoch rev:            3179

Satellite: LO-19
Catalog number: 20442
Epoch time:      90243.62556929
Element set:     110
Inclination:       98.7011 deg
RA of node:       319.7147 deg
Eccentricity:    0.0011883
Arg of perigee:   298.9505 deg
Mean anomaly:      61.0485 deg
Mean motion:   14.29011597 rev/day
Decay rate:       6.00e-06 rev/day^2
Epoch rev:            3164
/EX
SB ALL @ AMSAT $ORBS-251.M
Orbital Elements 251.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES
FROM N3FKV HEWITT, TX  SEPTEMBER 8, 1990
TO ALL RADIO AMATEURS BT

Satellite: SALYUT 7
Catalog number: 13138
Epoch time:      90248.72318842
Element set:     484
Inclination:       51.5986 deg
RA of node:       254.5411 deg
Eccentricity:    0.0001817
Arg of perigee:    67.0187 deg
Mean anomaly:     293.0979 deg
Mean motion:   15.70856366 rev/day
Decay rate:     4.8706e-04 rev/day^2
Epoch rev:           47748

Satellite: MIR
Catalog number: 16609
```

```
Epoch time:      90248.72344750
Element set:     910
Inclination:       51.6125 deg
RA of node:       283.8097 deg
Eccentricity:    0.0023995
Arg of perigee:   342.2417 deg
Mean anomaly:      17.7736 deg
Mean motion:   15.61017685 rev/day
Decay rate:     2.1031e-04 rev/day^2
Epoch rev:           26069

Satellite: HUBBLE
Catalog number: 20580
Epoch time:      90248.90482313
Element set:     200
Inclination:       28.4707 deg
RA of node:        95.9330 deg
Eccentricity:    0.0006149
Arg of perigee:   243.4134 deg
Mean anomaly:     116.5621 deg
Mean motion:   14.84834012 rev/day
Decay rate:    -8.0583e-04 rev/day^2
Epoch rev:            1998

Satellite: BADR-1
Catalog number: 20685
Epoch time:      90248.53120415
Element set:      63
Inclination:       28.4982 deg
RA of node:       326.3886 deg
Eccentricity:    0.0467875
Arg of perigee:   317.3975 deg
Mean anomaly:      39.1627 deg
Mean motion:   15.14230368 rev/day
Decay rate:     2.2783e-03 rev/day^2
Epoch rev:             775
/EX
SB ALL @ AMSAT $ORBS-251.W
Orbital Elements 251.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM N3FKV HEWITT, TX  SEPTEMBER 8, 1990
TO ALL RADIO AMATEURS BT

Satellite: NOAA-9
Catalog number: 15427
Epoch time:      90247.24002597
Element set:     621
Inclination:       99.1723 deg
RA of node:       248.9243 deg
Eccentricity:    0.0015720
Arg of perigee:   144.1460 deg
Mean anomaly:     216.0760 deg
Mean motion:   14.12656946 rev/day
Decay rate:       5.30e-06 rev/day^2
Epoch rev:           29514

Satellite: NOAA-10
Catalog number: 16969
Epoch time:      90243.40601972
Element set:     463
Inclination:       98.5965 deg
RA of node:       269.6586 deg
Eccentricity:    0.0014614
Arg of perigee:    53.4264 deg
Mean anomaly:     306.8260 deg
Mean motion:   14.23709955 rev/day
Decay rate:       6.83e-06 rev/day^2
Epoch rev:           20531

Satellite: MET-2/16
Catalog number: 18312
Epoch time:      90248.44941878
Element set:     488
Inclination:       82.5456 deg
RA of node:       226.6566 deg
Eccentricity:    0.0014976
Arg of perigee:    28.2080 deg
Mean anomaly:     331.9887 deg
Mean motion:   13.83671583 rev/day
Decay rate:       2.19e-06 rev/day^2
Epoch rev:           15408

Satellite: MET-2/17
Catalog number: 18820
Epoch time:      90243.87015611
Element set:     353
Inclination:       82.5444 deg
RA of node:       290.2998 deg
Eccentricity:    0.0018108
Arg of perigee:   110.0006 deg
Mean anomaly:     250.3106 deg
Mean motion:   13.84368061 rev/day
Decay rate:       2.34e-06 rev/day^2
Epoch rev:           13065

Satellite: MET-3/2
Catalog number: 19336
Epoch time:      90246.44585206
Element set:     571
Inclination:       82.5433 deg
RA of node:       222.0444 deg
Eccentricity:    0.0019030
Arg of perigee:   116.6918 deg
Mean anomaly:     243.6133 deg
Mean motion:   13.16903609 rev/day
```

```
Decay rate:       3.92e-06 rev/day^2
Epoch rev:           10125

Satellite: NOAA-11
Catalog number: 19531
Epoch time:      90248.25933199
Element set:     345
Inclination:       98.9878 deg
RA of node:       196.6780 deg
Eccentricity:    0.0013072
Arg of perigee:    61.2501 deg
Mean anomaly:     298.9986 deg
Mean motion:   14.11698208 rev/day
Decay rate:       7.43e-06 rev/day^2
Epoch rev:           10026

Satellite: MET-2/18
Catalog number: 19851
Epoch time:      90249.06698872
Element set:     306
Inclination:       82.5297 deg
RA of node:       164.0311 deg
Eccentricity:    0.0014997
Arg of perigee:   132.0536 deg
Mean anomaly:     228.2043 deg
Mean motion:   13.83997909 rev/day
Decay rate:      -1.22e-06 rev/day^2
Epoch rev:            7675

Satellite: MET-3/3
Catalog number: 20305
Epoch time:      90246.83938007
Element set:     210
Inclination:       82.5564 deg
RA of node:       162.5367 deg
Eccentricity:    0.0017436
Arg of perigee:   128.9419 deg
Mean anomaly:     231.3248 deg
Mean motion:   13.15862065 rev/day
Decay rate:      -4.30e-07 rev/day^2
Epoch rev:            4129

Satellite: MET-2/19
Catalog number: 20670
Epoch time:      90243.41969962
Element set:      49
Inclination:       82.5422 deg
RA of node:       228.9395 deg
Eccentricity:    0.0017832
Arg of perigee:    77.0314 deg
Mean anomaly:     283.2836 deg
Mean motion:   13.83846103 rev/day
Decay rate:       1.09e-06 rev/day^2
```

Epoch rev: 892
/EX

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -2076296031238869471
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,45e165e2725d1b25
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-09 22:01:26 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: ni-cads (long)
Message-ID: <30500725@ux1.cso.uiuc.edu>
Date: 9 Sep 90 22:44:00 GMT
References: <5153@infmx.UUCP>
Lines: 41
Nf-ID: #R:infmx.UUCP:5153:ux1.cso.uiuc.edu:30500725:000:2356
Nf-From: ux1.cso.uiuc.edu!phil   Sep 9 17:44:00 1990
Posted: Sun Sep 9 23:44:00 1990

> 6. Discharge of a Nicad is critical only if the cell is under a load.
> When loaded, the cell voltage should not be allowed to drop below 1.1 volts
> which is just over the edge of the discharge end of the curve. Allowing
> the cell to drop to 1.0 volt or less while under load may cause permanent
> plate/electrolyte damage. The result would be a loss of cell capacity. Of
> course, a loss also takes place naturally with age which limits the number
> of charge-discharge cycles the cell is capable of supporting before it is
> exhausted.

The nominal cell voltage is something like 1.2 volts. An 11 cell pack which gives me 13.2 volts, would give me 12.1 volts at this level of discharge. There are packs available as low as 7.2 volts and the radio words well down to 6 volts. So how does one know when the cell voltage is below 1.1 volts? This is NOT an easy thing to do. The radio will still be operating when the cell is down to 0.6 volts.

In fact I question that this level (1.1 volts) is even correct as the point where damage can occur. If it does, it appears to be very subtle.

> 9. Over the years, there has been many a discussion about Nicad cell
> memory. Yes, Nicads do have a memory function which can be aggravating if
> not understood. Simply stated, if the cell is used only over a small
> portion of its total capacity for at least 60% of the cycle time, the cell
> capacity will assume the more limited capacity value. To avoid the
> tendency of a memory condition inhibiting use, allow the cell/pack to be
> fully charged and discharged at least 60% of the total charge-discharge
> cycles. If in doubt about what is a full charge or what the discharge
> condition happens to be, then allow the cell/pack to fully discharge,
> unloaded when below 1.1 volts/cell, about one out of ten cycles. The

But what if the pack is already below 0.6 volts/cell as a result of
ordinary use?

> charge rate from full discharge should be C/10 for 12-14 hours to cause as
> much chemical conversion to occur as possible. Charging at twice that
> value is not a problem as long as the cell doesn't start out-gassing
> (Monitor the temperature and taper off the end charge rate).

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -8215610595656330002
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fa200de21edf458e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-09 22:01:31 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!uwm.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Oh No..Another Code question
Message-ID: <30500724@ux1.cso.uiuc.edu>
Date: 9 Sep 90 20:48:00 GMT
References: <644@donk.UUCP>
Lines: 74
Nf-ID: #R:donk.UUCP:644:ux1.cso.uiuc.edu:30500724:000:3826
Nf-From: ux1.cso.uiuc.edu!phil   Sep 9 15:48:00 1990
Posted: Sun Sep 9 21:48:00 1990

> I'm no longer that fast, but using Super Morse, I can copy fairly
> reliably at about 13 wpm with the computer keyboard. Unfortunately
> I am nowhere near being able to copy by hand at 13 wpm for General.

But isn't it TRADITIONAL to copy code by hand? You should learn to
write faster and ENJOY it. That's what makes a ham a good ham. :-)

Now to be serious.

Part of the problem of copying code fast is copying it onto paper fast.
We all know one can copy to paper faster by typing. If you find that

typing (be it to paper or CRT screen) is faster and better, by all means you would use it in your station. I see no reason you cannot be tested on this. Hopefully, if code was coming along at the speed you could copy by hand, you would be able to do it that way.

Code tests should NOT discriminate:

1. against people who cannot print or write on paper by hand at the speed they are trying to copy, when some other simple means is usable, such as a typewriter, or a computer performing only that basic function.

2. against people who are deaf, but can copy code by means of visually watching a flashing light; a means they would likely be using in a station they would operate in code. This does not conform to the term "copy by ear" which really should be changed to "copy by ear or any other human sense". That would even include touch.

3. against people who have certain limited hearing impairments that require the code be sent at a particular pitch. One can easily tune a CW/SSB receiver to select whatever desired pitch they want (the good ones anyway) so why not be able to tune the pitch of the code in the exam.

I have the hearing impairment described in number 3. The local 146.76 repeater in Champaign IL uses an ID-er with a pitch in the range that I cannot hear changes taking place. It seems to be up around 1500 hz or so. What it sounds like to me is a tone that just slightly wavers with amplitude. I can tell it is ID-ing by hearing that pitch. When I hear some other sound at that pitch, it sounds like the repeater ID-ing. When I hear that sound, I often find myself looking around for the radio that was left on.

Be sure to understand this. I *CAN* hear at that pitch, and I can hear very weak sounds. But the problem is that variations in amplitude are not heard over very short periods of time at these certain pitches. I seem to be able to hear code fine between 450 and 700 Hz.

> Nowhere can I find any rule that explictly requires that the code test
> be taken by hand, but I have been made to understand that bringing
> anything to the test but paper, pencil and maybe a calculator is
> forbidden.

Then call up all the VEC's and ask them if they allow you to copy by ear with a typewriter or keyboard.

> Is there a rule, or is this just something became THE WAY IT IS DONE?
> I can understand that typewriters used to be big and noisy, but most of
> the new electronic typewriters are small and relatively quiet. Now if
> I could convince the VE's to allow a typewriter, I could be going for
> my General in October instead of Technician.

I've seen no such rule. There occaisionally are VE's that refuse to allow one to do things that are perfectly legal. For instance some VE's in this

area recently refused to allow someone who was either a Novice or Tech (I forget which) to take the 20 WPM code test. They were required to first take the 13 WPM code test. The FCC rules specifically allow one to get a class of license based on having passed a code test of a higher speed.
I don't know what ever came of that case, but the guy ended up not taking any tests there.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -7707916671155938321
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bffd57d986927915,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-09 23:04:56 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!PICA.ARMY.MIL!rwilgus
From: rwilgus@PICA.ARMY.MIL (Robert Wilgus, FSAC-ND)
Newsgroups: rec.ham-radio
Subject: Kuwait Hams
Message-ID: <9009100204.aa23265@FSAC1.PICA.ARMY.MIL>
Date: 10 Sep 90 06:04:56 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Mon Sep 10 07:04:56 1990

If anyone have any news of the whereabouts of 9k2kw,Farid please contact me via this mode. The latest info I have is that he was visited by Irag soldiers and suffered equipment damage.

I do not know if 9K2KW is ok or if he suffered bodily harm. Farid is a good friend and is well known in the amateur community. Lets hope that he is ok.

de KZ2X, Bob

From -4542886908785314474
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2bf2a3797ffcd91f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-10 02:10:18 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: Ground communications.
Message-ID: <10.Sep.90.10:19:43.BST.#3514@UK.AC.NWL.IA>
Date: 10 Sep 90 09:10:18 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet

Lines: 26
Posted: Mon Sep 10 10:10:18 1990

Ground loop communications - yes get the stakes as far apart as possible
at both the transmitting and receiving ends (so as to maximise the area of
soil energised). Wet soil is best. Make use of any local features (like
ponds, streams, swamps) to get a good low-impedance connection.
If you are after voice comms, consider using a power oscillator and
modulating this (try something around 60 to 80kHz) as you will get greater
range.
FM is probably best. Beware of harmonics of TV scan oscillators, switched
mode power units etc; these are horrible rasping noises!
If using a PLL detector, you may find that it locks to one of these nasty
noises instead of the intended signal.
If you use AM for the oscillator, consider using a communications receiver
that tunes down the LF end as the detector. Some ex-military
radios go down to 60KHz. Alternatively a phase-lock-loop (NE565) does a
good job with FM.
If you use raw audio rather than a carrier-based system, a receiver notch
filter to take out the local mains frequency can help. Alternatively use
a low-pass filter to slice off everything below about 300Hz.
I have got about 3/4 mile with 60-watts (TV sweep-tube) and a commercial RX.
Try using forks or shovels as the ground electrodes (they have a larger
surface area so reduce the coupling losses).
During World War 1, rifle bayonets were used as the electrodes, and
'spark' transmitters using rotary-wheel interrupters to generate the
signal.

G6WBJ   Pete Lucas PJML@UK.AC.NWL.IA 0793-411613

From 8314282842231482669
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d04ae5484a8f6a7a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-10 04:14:04 PST
Path: gmdzi!unido!mcsun!ukc!icdoc!cix!g7ahn
From: g7ahn@compulink.co.uk (Costas Krallis G7AHN)
Newsgroups: rec.ham-radio
Subject: Re: marine/aviation/2m ham HT
Message-ID: <2255@gould.doc.ic.ac.uk>
Date: 10 Sep 90 11:14:04 GMT
References: <370@public.BTR.COM> <30000025@uxh.cso.uiuc.edu>
Sender: ah@doc.ic.ac.uk
Reply-To: g7ahn@compulink.co.uk (Costas Krallis G7AHN)
Followup-To: rec.ham-radio
Distribution: rec
Organization: Ham Radio G7AHN, London W5, UK.
Lines: 7
Posted: Mon Sep 10 12:14:04 1990

An additional problem is that a ham radio which is capable of
AM airband use can be used only in emergency situations. Most

administrations require type approval for airband radios which is
not the case with ham equipment.

Costas Krallis G7AHN
London,UK

From -2111467492468289937
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ecaa7dc08318bcc3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-10 04:40:22 PST
Path: gmdzi!unido!mcsun!uunet!know!samsung!zaphod.mps.ohio-state.edu!uwm.edu!
bionet!agate!linus!linus!rll
From: rll@linus.mitre.org (Roberto L. Landrau)
Newsgroups: rec.ham-radio
Subject: Re: DC Adapter for FT-470?
Message-ID: <119563@linus.mitre.org>
Date: 10 Sep 90 11:40:22 GMT
References: <9008301642.AA04515@hls.com> <494@wicat.UUCP>
Reply-To: rll@faron.UUCP (Roberto L. Landrau)
Organization: The MITRE Corporation, Bedford MA
Lines: 29
Posted: Mon Sep 10 12:40:22 1990

In article <494@wicat.UUCP> keithm@wicat.UUCP (Keith McQueen) writes:
>In article <9008301642.AA04515@hls.com> trop@hls.com (Troy T. Pummill) writes:
>>Has anyone ever seen/used a DC adapter for the 470 that allowed operation
>>at 5W
>>
>Yes, Yaesu sells one. It cost about $40 if I recall correctly.

I think it is more like $27.00 or $28.00. Check the Ham Radio Outlet.
The part no. is PA-6, I think.

```
>
>I however, being a ham and too cheap to buy one, hacked a connector into
>a $12.95 AA alkaline pack.
>
>--
> Keith McQueen, Wicat Systems Inc. , (801)224-6400      | My opinions are |
> N7HMF @ NV7V.UT.USA.NA (84058), 147.34+, 449.675-      | all mine...     |
> UPLHERC!WICAT!KEITHM                                   | ...so there!    |
```

Good point, but the price difference is not that much. $13 for the
alkaline pack, $5 for the plug, a couple more for the regulator ... I
am just going to buy the adapter. Now, if I had an old cigarrette
lighter plug, and an old regulator around, I would build one.

```
----------------------------------------------------------------
Roberto L. Landrau   KA1TLY                 rll@mbunix.mitre.org
The MITRE Corporation            m21373%newton@mbunix.mitre.org
```

Bedford, MA 01730   rll@faron.UUCP

From 3220282473128081014
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1f4d337754561e58,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-10 05:20:57 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!ncar!husc6!genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: ICOM 2AT HT mods?
Message-ID: <38675@genrad.UUCP>
Date: 10 Sep 90 12:20:57 GMT
Sender: news@genrad.UUCP
Lines: 20
Posted: Mon Sep 10 13:20:57 1990

Fellow Netters,

I have a friend who has an older ICOM 2AT. He claims this is different from the 02AT....Anyway, the radio does not have the capability to transmit OR receive below 144 MHz, or above 147.995 MHz. We are interested in expanding the frequency range so that it can transmit and receive on Civil Air Patrol frequencies, down to about 143 MHz and up to about 150 MHz.

Are there mods available for this radio? If so, can someone please send me a copy of these? I do not have any ftp access, just email and usenet access.

Thanks much!

Diana

->Diana L. Syriac   dls@genrad.com   Ham: KC1SP(1 super pilot)   <-
->I'D RATHER BE FLYING! P-ASEL, INST   CAP: 1LT, Freedom 690 Mobile<-
->GenRad   <-
->MS/6, 300 Baker Ave, Concord, Mass. 01742   (508) 369-4400 x2459   <-

From 5953889326140291452
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ef16438959ad9635,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-10 06:06:04 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!decwrl!
bacchus.pa.dec.com!shlump.nac.dec.com!ryn.esg.dec.com!cimnet.dec.com!pierson
From: pierson@cimnet.dec.com
Newsgroups: rec.ham-radio
Subject: Re: Gell-Cell charging
Message-ID: <2666@ryn.esg.dec.com>
Date: 10 Sep 90 13:06:04 GMT
Sender: guest@ryn.esg.dec.com

Organization: Digital Equipment Corporation
Lines: 33
Posted: Mon Sep 10 14:06:04 1990

In article <900817-105443-7661@Xerox>, "Hugh_E._Wells.ElSegundo"@XEROX.COM
wrote, in part ...
[a while back... I was on vacation...]
>Charging of Gell-Cell batteries

...

>When charging off of a voltage regulated source, adjust the charge voltage
>to a value just higher than the full charge value of the battery.

[etc. all of which i cheerfully agree with...]

One added point: The full charge voltage is dependent on the cell temperature. I haven't the data handy, but the full charge voltage _rises_, noticably, as the temperature falls. If the battery is always at constant temperature when charged, the temperature dependence of the voltage is not a problem. If the battery is cold, undercharge, if warm potential overcharge or damage.

This is characteristic of NiCd and Lead-Acid systems, and, i believe of all rechargeable systems...

(references: GE NiCd Designers Handbook, any good discussion of lead-acid cells.)

thanks
dave pierson |the facts, as accurately as i can manage,
Digital Equipment Corporation |the opinions, my own.
600 Nickerson Rd
Marlboro, Mass
01752   pierson@cimnet.enet.dec.com

"He has read everything, and, to his credit, written nothing." A J Raffles

---

From 2918154688182854909
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-10 07:01:33 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: Heatkit to be sold?
Message-ID: <8112@helios.TAMU.EDU>
Date: 10 Sep 90 14:01:33 GMT
References: <122.26E9904B@w8grt.fidonet.org>
Sender: usenet@helios.TAMU.EDU

Organization: Computer Science Department, Texas A&M University
Lines: 38
Posted: Mon Sep 10 15:01:33 1990

In article <122.26E9904B@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>
> > I just read in the San Jose Mercury News that the owner of Heathkit is
> > looking for a buyer...
>
>It was owned by a French company. Want to bet it'll end up being owned by a
>Japanese company?

Heath has been owned by many people throughout it's lifetime.
DAYSTROM - SHLUMBERGER - and I believe they were even independant
originally. A few years back they were bought by ZENITH. It was hoped
by us old time Heath users that that would spark new life in Heath
because of Zenith's large market for consumer electronics. Actually,
it was business as usual.
About a year ago, Zenith was bought by Honeywell-Bull. (yes it is french)
Assuming they only wanted the computer part of the company, I asked a
Zenith Rep what affect it was likely to have on Heath. He said he didn't
expect any change to the companies product line as a result of the sale.
So much for his opinion.

>
>I'd like to see Heath bought by R. L. Drake and get both back in the ham radio
>business.
>

I think this is the most likely of the possibilities. I all likelyhood
the company will change hands yet again and there will be no apparent
difference in it's operations.
Of course the other possibility is that because of the high price of
Heath's equipment compared to Japanese rigs, the company will not be
seen as competitive and therefore a bad investment, resulting in the
demise of yet another of ham radios traditions.

As an aside, I don't really understand the high cost of Heath gear today.
I doubt seriously that any of it is made on this side of the ocean
anyway.

bill KB3YV

From 6925868217630395518
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,652993dc3ca7d8ea,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-10 08:16:04 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!ucsd!nosc!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley)

Newsgroups: rec.ham-radio
Subject: Re: Drilling Holes
Message-ID: <4339@crash.cts.com>
Date: 10 Sep 90 15:16:04 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 14
Posted: Mon Sep 10 16:16:04 1990

A very spffy way to drill holes into automobile sheet metal is by using a drill bit made specificly for the job. Larson has available (for ~$21.00) a 3/4 inch bit that has pilot bit and a ridge that keeps you from punching through the headliner while removing the paint back a 1/8 inch back from the 3/4 inch hole. Very SLIC bit and well worth the cost for headliner protection when drilling for NMO style antennas. Highly recommended.

Swiss cheese-style autos forever...

```
**************************************************************************
Mike Shirley,  WB6WUI        INET: mikey@pnet03.cts.com
PO Box 460                   ARPA: crash!pnet03!mikey@nosc.mil
Lakeside, CA  92040-0460     UUCP: {hplabs!hp-sdd nosc}!crash!pnet03!mikey
**************************************************************************
```

From -4359349490129264064
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ce98d21c2632fa68,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-10 08:22:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!ROSEVC.Rose-Hulman.EDU!DERRY
From: DERRY@ROSEVC.Rose-Hulman.EDU
Newsgroups: rec.ham-radio
Subject: Brain damage
Message-ID: <37F0B899F87F207F98@ROSEVC.Rose-Hulman.Edu>
Date: 10 Sep 90 15:22:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Mon Sep 10 16:22:00 1990

^|>>Does anyone out there have any reasonably up-to-date information on
^|>>biologic effects (e.g. brain effects).
^
^|>I haven't read anything official, but I know that when I transmit
^|>on my 4-watt 440 hand-held into the rubber duckie, I will get a
^|>headache within about 5 minutes of intermittent operation. That is
^|>why I usually use low power, which doesn't give me headaches. The
^|>same thing happens to my friend with a comparable radio.
^|>--
^
^I noticed that, too.   Especially on 440 and not as much on 2m. I

^use an external antenna and a speaker mic. at every opportunity.

I have noticed a get a headache just LISTENING to 2-m sometimes.

From -4533498516603792307
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,73ad79a5100188e6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-10 08:47:31 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: Antenna gain figures for QST
Message-ID: <1250223@hpnmdla.HP.COM>
Date: 10 Sep 90 15:47:31 GMT
References: <95@thoreau.nsc.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 57
Posted: Mon Sep 10 16:47:31 1990

Barry WA4VZQ writes:

> I think requiring manufacturers to supply MININEC or even NEC models to QST
> before the League will publish gain figures is unwise.

I heartily agree...

> The problem here is one that I see as becoming rampant with the spread of low-
> cost computers and CAD systems. People trust their finite element CAD systems
> too much.

This is a parallel of the trust put into CAE programs. "You don't need to measure anything anymore... just simulate it"

> Unfortunately, many schools are using the models to excess without giving
> students a firm grasp of the fundamentals and the knowledge that your model
> may not always be right.

I go further than that. The model is *always* wrong. It may be close enough to give you acceptable performance, but it is always incomplete....

I also agree with Barry that an independent measurement is probably the only way to get really useful numbers.

For a little while after the ARRL stopped allowing gains to be published a few manufacturers managed to slip some beamwidth data by in their advertisements. If one can make some asumptions about antenna efficiency this is pretty close to a gain specification.

Measuring HF antennas pretty much requires an expensive range, either outdoors or a very expensive one (nearfield) indoors. Qualifying a range is no small job in itself. This whole problem speaks to the end user's expectations too. A large yagi 10 boomlengths from the a perfectly conducting ground is not likely to behave the same as when it is located one boomlength above typical urban clutter and ground.

I question the value of any single number which can be applied to an antenna to indicate its value. Since the number only makes sense in one context (the range) and the degree of variability over all the likely applications is so great I'm not sure that it serves to do much more than provide fodder for late night 75 Meter arguments.

Maybe a column of testimonials is just as good...

--- The NEW Signal Masher 1 is acclaimed by users! ----

"I worked ZS1 with only 5 watts"
"I worked boola-boola land first in the pile up.."
"I heard the DX station a full hour before he got on the band..."
"I didn't even need to turn on the radio..."

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From 3752627067664533823
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9389c6ad391d7f59
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-10 08:50:36 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: Broadcast station on 10 Meters?
Message-ID: <1250224@hpnmdla.HP.COM>
Date: 10 Sep 90 15:50:36 GMT
References: <107863@philabs.Philips.Com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 11
Posted: Mon Sep 10 16:50:36 1990

The second harmonic of WWV from Fort Collins, Colorado used to make a great frequency marker here on the West Coast when the six meter band was open...

It was pretty strong at times too.

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From 7003278081355789178
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9979fc99f1eeee32,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-10 09:39:17 PST
Path: gmdzi!unido!mcsun!uunet!husc6!genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: Ham software for Apple IIc?
Message-ID: <38678@genrad.UUCP>
Date: 10 Sep 90 16:39:17 GMT
Sender: news@genrad.UUCP
Lines: 27
Posted: Mon Sep 10 17:39:17 1990

I have a friend who is interested in obtaining some ham software for the
Apple IIc. He called me, because he wanted my software (for Macintosh)
on his computer, and I told him it's not compatible and I have no intention
of trying to make it compatible.....I don't have access to an Apple IIc.

Anyway, he's interested in a Morse code program, speed must go down to 5 wpm,
since this is for a prospective ham. Also, he's interested in any software
available for the technical written tests as well, similar to my Novice thru
Extra Ham Stacks for the Macintosh.

If any of this stuff is available, could you please email me how to obtain
these programs?

Thanks much!

By the way, just to remind everyone, the Macintosh Ham Stacks (you must already
have HyperCard) that I wrote are available to any or all who send a SASE,
plus 800K diskette:
     Diana L. Syriac, KC1SP
     49A Meadow Pond Drive
     Leominster, MA 01453

```
->Diana L. Syriac       dls@genrad.com          Ham: KC1SP(1 super pilot)   <-
->I'D RATHER BE FLYING! P-ASEL, INST       CAP: 1LT, Freedom 690 Mobile<-
->GenRad                                       <-
->MS/6, 300 Baker Ave, Concord, Mass.  01742   (508) 369-4400 x2459        <-
```

From -5195880069278130653
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7528dc6e943b75fd

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-10 09:53:53 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!aplcen!haven!udel!rochester!pt.cs.cmu.edu!o.gp.cs.cmu.edu!andrew.cmu.edu!paul+
From: paul+@andrew.cmu.edu (Paul J. Dujmich)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood R-5000 vs TS-440s
Message-ID: <oauwIVy00UhB01wVlP@andrew.cmu.edu>
Date: 10 Sep 90 16:53:53 GMT
Organization: Computing Systems, Carnegie Mellon, Pittsburgh, PA
Lines: 9
Posted: Mon Sep 10 17:53:53 1990

S-Meters do not measure signal strength. They measure the voltage or current at some point in the AGC circuit of A PARTICULAR receiver. Since no 2 AGC circuits are exactly alike (even in the same production run of a given radio), using S-Meter readings as an ABSOLUTE indication IS INSANITY. They are useful only for relative measurement (comparison purposes) only.

Paul
WA3TLD

From 160713519941546274
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32bd2ff060af4c2c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-10 10:08:18 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpspdra!henryb
From: henryb@hpspdra.HP.COM (Henry Black)
Newsgroups: rec.ham-radio
Subject: CTCSS circuit for FT747?
Message-ID: <12280016@hpspdra.HP.COM>
Date: 10 Sep 90 17:08:18 GMT
Organization: HP Stanford Park - Palo Alto, CA
Lines: 12
Posted: Mon Sep 10 18:08:18 1990

Hi, I want to put a CTCSS encoder in an FT747 HF transceiver to use a 29Mhz FM repeater which requires the tone.   The technical manual for the 747 apparently shows provision for such a device to be added "FTE-10 option", but this option is not available at my local emporium, nor is it mentioned in the operator's manual.
I'm sure I can handle this project, but why re-invent the wheel if someone else has already designed the mod.?
So, . . anyone have a circuit?, or measured suitable signal levels for the subaudible tone injection?, or any helpful comments?

Henry Black G4NOC, KK6JR@WW6L.#NOCAL henryb@hpspd.HP.COM +1 415 857 6655
Purely my opinions (unless HP can make money out of them)

From 7357001688813900995
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7f2d9466fe2c8ba,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-10 10:17:13 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!apple.com!stone
From: stone@apple.com (Glen "Crash" Stone)
Newsgroups: rec.ham-radio
Subject: AR1000, R1 Compare
Message-ID: <10127@goofy.Apple.COM>
Date: 10 Sep 90 17:17:13 GMT
Sender: usenet@Apple.COM
Organization: Apple Computer, Inc.
Lines: 73
Posted: Mon Sep 10 18:17:13 1990

Since I have yet to see any comparisons between the Icom R1 and the AOR AR1000 I thought I would post my comparisons.

Comparing R1 and AR1000 only major differences hi-lited.
This mostly compares functionality.

General

AR has 1000 memories, R1 has 100 with some dedicated to certain functions.

R1 has signal strength meter
R1 has a clock and related timer functions.
R1 allows you to adjust display contrast
R1 allows you to turn the display on/off on a button push, or off after 10 seconds.
R1 power saver is selectable.
R1 has a receive LED that lights up when a signal is received, it can be disabled.

R1 frequency range is 100khz - 1300mhz
AR1000 8khz - 1300 mhz, missing the TV band.

Both have a tuning knob.
R1 tuning increments are
0.5, 5, 8, 9, 10, 12.5, 15, 20, 25, 30, or 50 khz
The AR1000 is from 5 to 995 in multiples of 5 or 12.5 khz

Scanning between a lower and upper bound.

Each scanner allows you to have ten upper and lower bounds. However, the AR1000 allows you to link them.

Both allow you to blank out frequencies in the search bounds. The blank outs are stored in memories 79 down to 20. This will over write whatever you had in there. The AR 1000 has this feature too, but you get 100 blank outs (lock outs) per search bank.

The R1 has an auto-write feature that will store a frequency when it breaks squelch. It uses memories 80-99 for this.

Scanning memory channels

R1 has a mode in which memory channels are scanned based on the modulation of the carrier, AM, FM, NFM.

The AR1000 organizes the memories in 10 banks that allows the scanning of any combination of banks with individual channel lockouts with in the banks.

User Impression

The R1 looks nice and its very compact. However, the buttons are too small. That and the weird memory organization are what I don't like about it. The signal strength meter is very nice.

The AR1000 has very poor documentation. After talking to someone who had an AR2002 and now has the AR1000, he has found many short-cuts and undocumented features that make using the AR1000 simpler than would appear. Late note, apparently the documentation has been upgraded.

They both seem equally sensitive. I could get WWV on both of them at 10 MHZ, and I went from there through 800 MHZ.

From -7218130865110274188
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d04ae5484a8f6a7a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-10 11:00:22 PST
Path: gmdzi!unido!mcsun!uunet!samsung!rex!rouge!mahler
From: mahler@rouge.usl.edu (Mahler Stephen J)
Newsgroups: rec.ham-radio
Subject: Re: marine/aviation/2m ham HT
Message-ID: <14378@rouge.usl.edu>
Date: 10 Sep 90 18:00:22 GMT
References: <370@public.BTR.COM> <30000025@uxh.cso.uiuc.edu>
Reply-To: mahler@usl.edu (Mahler Stephen J)

Organization: Univ. of Southwestern Louisiana
Lines: 3
Posted: Mon Sep 10 19:00:22 1990

Rumor has it that the IC2-SAT will demodulate AM if the "FUNCTION"
key is held down for a "long time". The radio will also tune down
to the aircraft band. Can anyone give details?? ... Steve

From -4118014710021626201
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d04ae5484a8f6a7a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-10 12:12:05 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!sdd.hp.com!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!wuarchive!udel!haven!mimsy!mojo!chuck
From: chuck@eng.umd.edu (Chuck Harris)
Newsgroups: rec.ham-radio
Subject: Re: marine/aviation/2m ham HT
Message-ID: <1990Sep10.191205.14557@eng.umd.edu>
Date: 10 Sep 90 19:12:05 GMT
References: <370@public.BTR.COM> <30000025@uxh.cso.uiuc.edu>
Sender: news@eng.umd.edu (The News System)
Organization: College of Engineering, Maryversity of Uniland, College Park
Lines: 26
Posted: Mon Sep 10 20:12:05 1990

In article <30000025@uxh.cso.uiuc.edu> dwsmith@uxh.cso.uiuc.edu writes:
>
>>/* Written 3:02 pm Sep 8, 1990 by slr@tybalt.caltech.edu in uxh.cso.uiuc.edu:rec.ham-radio */
>>In article <370@public.BTR.COM> rah@public.BTR.COM (Richard A Hyde rah@btr.com) writes:
>>
>>>I am a private pilot SEL, and a (still) aspiring ham. I can justify the
>>>cost of a 2m HT MUCH more easily if it would also provide me with emergency
>>>communications while in the plane.
... stuff trimmed ...
>>Anyone know WHY the aviation band is AM ?
>>
>
>I think the aviation bands were set up before narrow-band FM was in wide
>use.

It is true that the aviation bands were set up before nb fm was popular.

I had heard that the reason for staying with AM is that when two different
pilots are transmitting at the same time on the same channel, the tower can
sort of make out what is being said by each. This allows an emergency to
break in to another transmission. With FM, the capture effect eliminates all
but the strongest signal. The weak signal makes just a little squirmy sounding
squeal.

Chuck Harris - WA3UQV
chuck@eng.umd.edu

From -8212573219598895372
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c62880249e1f671,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-10 12:42:14 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!decwrl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (=Ron Todd)
Newsgroups: rec.ham-radio
Subject: COMMUNICATIONS QUARTERLY (new mag from CQ)
Keywords: Ham Radio Mag, Technical Magazine
Message-ID: <96@thoreau.nsc.com>
Date: 10 Sep 90 19:42:14 GMT
Organization: National Semiconductor, S. Portland, Maine
Lines: 29
Posted: Mon Sep 10 20:42:14 1990

I have just received a form letter from CQ Commuinications Inc. to previous authors in HRM. You can probably get more info yourself by contacting
Terry Northup, KA1STC
Editor
Communications Quarterly
Main St.
Greenville, NH 03048 USA

Phone (603) 878-1441
FAX   (603) 878-1951

This letter from Terry introduces the concept of their new publication "Communications Quarterly" -- The Journal of Communications Technology. The journal is scheduled to premier in mid November 1990 and is geared to the tastes of "dedicated Radio Amateurs -- those constantly looking for technical challenges"

Terry is "looking for articles which push the technical envelope to the limit." The editorial review board is broad in background with a lot of former HRM authors and a couple of old HRM staffers. According to Terry, each isue will run about 100 pages of editorial material and advertizing

part will be "strictly limited." Articles will flow from page to page without interruption from ads. An open layout format will be used. Terry finishes by saying that their current payment schedule is $40 per printed page with part payment upon article acceptance and the balance upon publication. She claims that this is actually more than the old HRM rate due to the open format layout.

Ron Todd, K3FR

From -7421076839955152527
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,e2617af5bd446b82
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-10 12:54:14 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!apple!xanadu!jeff
From: jeff@xanadu.com (Jeff Crilly N6ZFX)
Newsgroups: rec.ham-radio
Subject: Re: ICOM IC-735
Message-ID: <1990Sep10.195414.3455@xanadu.com>
Date: 10 Sep 90 19:54:14 GMT
References: <246@eliza.edvvie.at> <1302@ke4zv.UUCP> <1462@lupine.NCD.COM>
Organization: AMIX Corporation, Palo Alto, CA
Lines: 49
Posted: Mon Sep 10 20:54:14 1990

In article <1462@lupine.NCD.COM> phil@hansen.Berkeley.EDU (Phil Graham) writes:
>In article <1302@ke4zv.UUCP>, gary@ke4zv.UUCP (Gary Coffman) writes:
>
>|> I recently traded my IC 745 in on a new IC 735 and I am delighted. The
>|> receiver is great. The controls work intuitively. The transmitter is
>|> clean. It's small enough to take mobile or portable, yet the controls
>|> aren't cramped or difficult to use. It still has the transverter jacks
>|> on the back and has optional narrow filters and passband tuning. Short
>|> of the megabuck IC 781 or TS 950 you won't find a better rig.
>|>
>|> Gary KE4ZV
>
>
>Nah, The TS-440s has more features and is a much better radio than the
>IC-735...

I went out to buy a FT757 or ICOM 735/725/726 and ended up getting the
TS-440 with the antenna tuner.

>
>Actually the TS-440s, IC-735, and FT757 are all in the same class in
>both performance and price.

Uh, correct me if I am wrong, but when I looked the 440 was approximately
$100 more than the 735 or 757. And thats not including the tuner. Add
another $200 to the price of the 440. I was told that the built in tuner
will not tune if swr is greater than 3:1. More or less if the antenna
is not cut for the band it wont tune it. Is this true? I lack experience
here. If this was the case then I really don't see its purpose except to
save finals on band edges. Personally, I also like the built in tuner;
it sure beats the expensive external auto units made by yaesu and icom.
Though it will not work on 160 meters, which I don't use right now.

>
>I prefer the TS-440s because of the internal antenna tuner, 100 watts
>output 100% duty cycle, and the 100 memories.   I feel that these are the
>advantages of this radio.
>

>On paper the specs of the ICOM radios look better but when the radios are
>tested they are the same. I am convinced that ICOM uses a more optomistic
>measurement method. I know this to be a fact when Hams tested the TS-950SD
>to the IC-781 and IC-765. The Kenwood radio came right in on spec and the
>ICOM radio was closer to the Kenwood spec than to the ICOM spec.
>
>Phil KJ6NN

Jeff Crilly (N6ZFX)
AMIX Corporation 2345 Yale Street Palo Alto, CA 94306
jeff@amix.com, {uunet,sun}!markets!jeff

From -3540111900426804690
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d04ae5484a8f6a7a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-10 13:37:28 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!swrinde!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!watserv1!watmath!att!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: marine/aviation/2m ham HT
Message-ID: <1088@tsdiag.ccur.com>
Date: 10 Sep 90 20:37:28 GMT
References: <370@public.BTR.COM>
Organization: Concurrent Computer Corp. Oceanport NJ
Lines: 20
Posted: Mon Sep 10 21:37:28 1990

In article <370@public.BTR.COM> rah@public.BTR.COM (Richard A Hyde rah@btr.com) writes:
>
>I've scanned the mods collections and can't find anything that would give
>both TX and RD from 108MHz -> 2m ham. I've heard rumors that Sony makes
>a special order rig, and that some company named AOL (?) also has a 2m/
>aviation HT. Alas, I've been unable to run any of this to ground, so I'll
>make my appeal to the net. Are their any aviating Elmers out there?

Unfortunately, Rick, I don't think you'll have much luck finding mods for
typical HT's for operation in the aircraft bands. The reason being that
2m is FM, and the aircraft band is AM. I know of one _mobile_ rig that
can receive (and maybe transmit) in the AC bands, that being one of the
Azden units. Icom sells an aircraft radio with a built in VOR, but it
doesn't do 2m. Sorry I couldn't help any more that this, but that's
all you get for free :-).

```
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

From -5414719367022920194
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,53df7adec0d1bbd1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-10 13:57:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!ROSEVC.Rose-Hulman.EDU!DERRY
From: DERRY@ROSEVC.Rose-Hulman.EDU
Newsgroups: rec.ham-radio
Subject: TS-680 mods
Message-ID: <37C1E3D7A7FF208744@ROSEVC.Rose-Hulman.Edu>
Date: 10 Sep 90 20:57:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Mon Sep 10 21:57:00 1990

Recently I obtained the all mode squelch modifications for the Kenwood TS-680S from info-hams. A friend of mine installed the modification as described and reports thatt it works fione and that he has noted no degradation of performance of the rig.

He also reported that you'd better have some experience before starting on this mod.

73 de K9CUN.

From -956535644797864323
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ecaa7dc08318bcc3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-10 14:14:21 PST
Path: gmdzi!unido!mcsun!uunet!ncrlnk!ncrwic!encad!entec!kthompso
From: kthompso@entec.Wichita.NCR.COM (Ken Thompson)
Newsgroups: rec.ham-radio
Subject: Re: DC Adapter for FT-470?
Message-ID: <683@entec.Wichita.NCR.COM>
Date: 10 Sep 90 21:14:21 GMT
References: <9008301642.AA04515@hls.com> <7880274@hpfcdc.HP.COM>
Reply-To: kthompso@entec.UUCP (Ken Thompson)
Organization: NCR Corporation, Wichita, KS
Lines: 7
Posted: Mon Sep 10 22:14:21 1990

4w. into a dummy load.

--
Ken Thompson   N0ITL
NCR Corp. 3718 N. Rock Road
Wichita,Ks. 67226 (316)636-8783
Ken.Thompson@wichita.ncr.com

From 7652984477503615752
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d86bc02d1a53934,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-10 14:52:02 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!samsung!noose.ecn.purdue.edu!iuvax!news!cartan!ndmath!nstar!w8grt!Tom.Mcgee
From: Tom.Mcgee@w8grt.fidonet.org (Tom Mcgee)
Newsgroups: rec.ham-radio
Subject: Re: EXPERIENCE WITH BU
Message-ID: <130.26EBCE9A@w8grt.fidonet.org>
Date: 10 Sep 90 21:52:02 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 16
Posted: Mon Sep 10 22:52:02 1990

>Bruce Thompson, WB0QWS asks: "...does anyone have an easy way of putting
>radials under the lawn (without a shovel)?

Try using an edging tool to slice the sod and then press the wire into the slot.

```
--
  |\/\/\/|
  |      | Tom Mcgee - via FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!Tom.Mcgee
  |     _) INTERNET: Tom.Mcgee@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\         of the Mind and ride the NOS!"
```

From 7760134567670771605
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3b38983256556f00,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-10 15:55:41 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: Ground communication.
Message-ID: <57866@iuvax.cs.indiana.edu>
Date: 10 Sep 90 22:55:41 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 88
Posted: Mon Sep 10 23:55:41 1990

(Elaborating on nice ground-communication article by Pete Lucas, G6WBJ):

Modern Electronics magazine, Sept. 1990, has an article about through-the-ground communication using a stereo amplifier and matching transformers. The author recommends using equalizers for best results.

I've done earth-dipole experiments using a 200-watt cop-car amplifier, with a 400Hz Variac (tm) for matching. ("Earth dipole" is the preferred term for ground communication; "earth current" is naturally-occurring current through the ground, associated with aurora, magnetic storms, etc.).

I once connected a pair of ground rods to an audio-frequency spectrum analyzer, to look at the 60-Hz harmonics. The strongest harmonic is 180 Hz, probably a 3-phase effect. The harmonics extend into ultrasonic frequencies, but the strongest are below 600 Hz. A high-pass filter which cuts off at 600 Hz works well for separating hum from voice. Cutting off at 600 Hz eliminates a band of voice frequencies called the First Formant; characteristics which identify individuals' voices are lost, but intelligibility remains.

Some LF/VLF experimenters have developed a microprocessor-based adaptive filter which samples the ambient 60Hz waveform and makes a replica 180 degrees out of phase. It's said to reduce hum by 50 dB.

Nathan B. Stubblefield of Murray, Kentucky, apparently discovered the inductive and earth-current communication principles. He demonstrated wireless voice transmission in 1902, long before radio was practical, using magnetic induction to communicate several hundred feet. His equipment was made of telephone components, and used no amplifiers (which were not invented until 1907). He did not profit from his inventions; numerous articles recount his tragic story.

Stubblefield also communicated to a reported range of one mile, apparently by injecting current into the earth between two widely-separated ground rods, and detecting the signal between a distant pair of similar grounds.

Perhaps Stubblefield discovered the earth-current effect during his work as a telephone repairman. Old-style telephones with internal batteries and hand-cranked ring generators (including military field-phones) can operate over a single wire, using earth for the return path. Stories from World War I tell of using ground probes to intercept enemy telephone traffic along parallel trenches, without direct wiretapping.

When warring governments suspended ham-radio activties during the 1940's, some disenfranchised hams communicated by "ground wave," using audio amplifiers to feed currents into the earth through pairs of ground rods. Ranges greater than one mile were claimed.

Stubblefield may also have discovered that the earth-dipole and induction methods interact: Alternating current through the ground creates a magnetic field detectable by coils. Conversely, an AC-carrying coil induces currents into conductive earth, which are detectable by ground probes. The well-known interaction is used in geophysical prospecting methods. Cavers who have built baseband audio communicators which use both inductive and earth-current modes report that induction works best through dry, highly resistive rock, but earth-dipole provides best communication through very conductive overburden. At one location, the soil in the bottom of a sinkhole was so conductive that magnetic signals from an underground coil were undetectable on the surface, but when the transmitter was switched from coil to probes, it became loud and clear through the surface receiver with coil antenna. British cavers report that inductive communicators sometimes do not work in caves under highly-conductive peat bogs.

References
----

1. Kahaner, Larry WB2NEL "Who Really Invented Radio-- The Twisted Tale of Nathan B. Stubblefield" _73_ Magazine, Dec. 1980, p.36.
2. _Kentucky Progress_ magazine, Dec. 1930 p.19 ff.
3. Maynard, Fred "Terraquaphone" Electronics Illustrated, Sept. 1961 p.41.
4. Centore, Mike "Sounds from the Ground" _Elementary Electronics_ May-June 1972 p. 49.
5. Reid, F. "Caveman Radio" _73_, Feb. 1984 p.42.
6. Bosschart, R.A. "Ground Electromagnetic Methods" _Mining and Groundwater Geophysics / 1967_ L. W. Morley, ed. Dept of Energy, Mines and Resources, Ottawa, Canada. (See also general geophysics texts.)

--

Frank   W9MKV   reid@ucs.indiana.edu

From -1689002216191591578
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-10 19:57:27 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!watserv1!watmath!att!cbnewsj!k2ph
From: k2ph@cbnewsj.att.com (The QRPer)
Newsgroups: rec.ham-radio
Subject: Re: Heathkit to be sold?
Message-ID: <1990Sep11.025727.10182@cbnewsj.att.com>
Date: 11 Sep 90 02:57:27 GMT
References: <8112@helios.TAMU.EDU>
Organization: QRM Central
Lines: 17
Posted: Tue Sep 11 03:57:27 1990

From article <8112@helios.TAMU.EDU>, by billg@cs.tamu.edu (William Gunshannon):

>
> As an aside, I don't really understand the high cost of Heath gear today.
> I doubt seriously that any of it is made on this side of the ocean
> anyway.
>

How very true, Bill! The SB-1400 transceiver is a Yaesu FT-747GX
with some cosmetic changes. The two-meter line is reportedly built
by Standard. However, the SB-1000 linear is American made--it comes
from Ameritron (an AL-80A by any other name...).

```
--
========================================================================
Bob Schreibmaier K2PH  | UUCP: att!oblivion!k2ph or k2ph@oblivion.att.com
AT&T Bell Laboratories | ARPA: k2ph%oblivion@att.arpa
Lincroft, N.J. 07738   | ICBM: 40o21'N, 74o8'W
```

From -2748807266739398959
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c0c507b51286dbc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-10 22:37:24 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpcc01!hpcuhb!hpscdc!johnf
From: johnf@hpscdc.scd.hp.com (John Flowers)
Newsgroups: rec.ham-radio
Subject: Re: 6 meters in S.F. Bay Area?
Message-ID: <5490102@hpscdc.scd.hp.com>
Date: 11 Sep 90 05:37:24 GMT
References: <142094@sun.Eng.Sun.COM>
Organization: Hewlett-Packard, Santa Clara Div.
Lines: 10
Posted: Tue Sep 11 06:37:24 1990

When I was in college I and N6LDJ Greg used Rat Shack 49 MHz transmitters
tuned to 52.525. He and I have since moved to the San Jose area and we
have found a link on 147.525 to 52.525.

Try calling N6LDJ on 52.525 somtime, he'll tell you a lot more.

This is just a start.

John Flowers
N6NQW

From -1001382707778646258
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1e802e79d15365e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-10 22:48:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!

pacbell.com!pacbell!dplace!woodowl!william
From: william@woodowl.UUCP (Bill Buhnerkempe)
Newsgroups: rec.ham-radio
Subject: * Need Owner's Manual/Help *
Keywords: Help Schematics
Message-ID: <834@woodowl.UUCP>
Date: 11 Sep 90 05:48:55 GMT
Reply-To: william@woodowl.UUCP (Bill Buhnerkempe)
Organization: Woodowl, Livermore, Ca.
Lines: 36
Posted: Tue Sep 11 06:48:55 1990

Hello...

I am getting back into Ham radio and need to get some old equipment repaired. The repair shop I took the equipment to years ago closed up shop with out repairing the equipment, and managed to loose the schematics.

I am looking for a Schematics/Owner Manuals for a Multi-Elmac, (6-80M).
The three boxes I have are :

1) Trans-citer Model AF-68A
2) Receiver Model PMR-8
3) Power Suply M-1070 Multi-Products Company
Oak Park Mich.

I am willing to buy an old manual off of someone or pay for Xeroxing.
I can be contacted any of the following ways.

William Buhnerkempe
3884 East Ave.
Livermore, CA 94550

Voice 415-294-8763
Data 415-294-8591
uucp william@woodowl
ames!pacbell!dplace!woodowl!william

Thanks in advance for any and all help!

William

UUCP : {dplace, abhg, llustig, tcomeng, dumbcat}!woodowl!william
Full Name : William M. Buhnerkempe, Livermore, CA
Local Node : Woodowl --> (1) (415) 294-8591
SCA : William of Owlswood, Esfenn Shire, Principality of the Mist, West Kingdom

From -7713628394452513834
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4e9815655aaaa8cc,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-11 05:27:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!SACEMNET.AF.MIL!lwrclmr
From: lwrclmr@SACEMNET.AF.MIL ("LWRCLMR")
Newsgroups: rec.ham-radio
Subject: Azden PCS-3000
Message-ID: <9009111242.AA17355@ucsd.edu>
Date: 11 Sep 90 12:27:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 31
Posted: Tue Sep 11 13:27:00 1990

Sorry for posting this, but I couldn't mail direct.

For Azden PCS-3000, the CTCSS tones come from an after market tone board installed inside. How to set it depends on what board you have installed. The one from Azden (actually from amatuer wholesale or who ever sold the radio) is usually from Communications Specialists. If the installer followed instructions, there should be a label on the inside cover to show the dip switch settings. If you don't have the list, you should be able to contact the TONE BOARD manufacturer for the settings. I have the comm-spec (ss-32 I think) board in my PCS-4000. If you email me direct and I can get mail back to you, I'll send you the settings.

73,
Michael

```
*******************************************************************************
Michael Barnes                      *   The nice thing about policies
InterNet: LWRCLMR@SACEMNET.AF.MIL   *   and standards, is that there
HamNet: WA7SKG@N8IYB                *   are so many to choose from.
BellNet: 906-346-2811               *   If you don't find any you
DS Net: 472-2811                    *   like, simply wait for next
Snail Net: 2001CS/XP                *   years models!
           K.I. SAWYER AFB, MI      *
                     49843-6346     *
*******************************************************************************
DISCLAIMER: The ideas, comments, remarks, replies, insinuations,
innuendos, flatuations, and any other conceivable or inconceivable
outputs presented here, real, imagined, or implied, simply do not
exist.  The names are real, the stories have been changed due to
simple boredom.
*******************************************************************************
```

From -8931765157336139783
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-11 05:27:20 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!

utgpu!utzoo!mnetor!ghp!jim
From: jim@ghp.UUCP (Jim Stewart)
Newsgroups: rec.ham-radio
Subject: Re: Heatkit to be sold?
Message-ID: <662@ghp.UUCP>
Date: 11 Sep 90 12:27:20 GMT
References: <122.26E9904B@w8grt.fidonet.org> <8112@helios.TAMU.EDU>
Reply-To: jim@ghp.UUCP (Jim Stewart)
Organization: Gellman Hayward & Partners Ltd.
Lines: 21
Posted: Tue Sep 11 13:27:20 1990

In article <8112@helios.TAMU.EDU> billg@cs.tamu.edu (William Gunshannon) writes:

>Heath has been owned by many people throughout it's lifetime.

>I think this is the most likely of the possibilities. I all likelyhood
>the company will change hands yet again and there will be no apparent
>difference in it's operations.

Let's hope so, remember that Heath in Canada was shut down only
six months ago.

They had a weird warehouse sale, all these bargins, but most of them
were to sell off the accessory kits that Heath has for their products.
So if you had some of their test equipment and wanted the add-on
for it, fine, otherwise you got a box of random parts. Of course,
the selection of stuff was limited, but they had lots of what was
there.
--
Jim Stewart, VE3SRJ
UUCP: jim%ghp@mnetor.uucp
BELL: (416)862-0430

From 7670397403406880335
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8a942d0e5e82c06,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-11 06:19:00 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!SACEMNET.AF.MIL!lwrclmr
From: lwrclmr@SACEMNET.AF.MIL ("LWRCLMR")
Newsgroups: rec.ham-radio
Subject: POSTING PROGRAMS TO THIS NET
Message-ID: <9009111334.AA19069@ucsd.edu>
Date: 11 Sep 90 13:19:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 58
Posted: Tue Sep 11 14:19:00 1990

FOR MARK COLOSIA (SUPER MORSE PROGRAM) AND OTHERS WHO INSIST UPON POSTING
 HORRENDESLY LONG PROGRAMS THAT WE CANNOT READ AND WEAR OUT

```
 THE RETURN KEY PAGING THROUGH THEM,

READ MY LIPS:


######  #######
#     # #     #
#     # #     #
#     # #     #
#     # #     #
#     # #     #
######  #######

#     # ####### #######
##    # #     #    #
# #   # #     #    #
#  #  # #     #    #
#   # # #     #    #
#    ## #     #    #
#     # #######    #

######  #######  #####  #######
#     # #     # #     #    #
#     # #     # #          #
######  #     #  #####     #
#       #     #       #    #
#       #     # #     #    #
#       #######  #####     #

#     # ####### #     #         ####### ####### #     # #######
##    # #     # ##    #            #    #        #   #     #
# #   # #     # # #   #            #    #         # #      #
#  #  # #     # #  #  #  #####     #    #####      #       #
#   # # #     # #   # #            #    #         # #      #
#    ## #     # #    ##            #    #        #   #     #
#     # ####### #     #            #    ####### #     #     #

#######   ###   #       #######  #####
#          #    #       #       #     #
#          #    #       #       #
#####      #    #       #####    #####
#          #    #       #             #
#          #    #       #       #     #
#         ###   ####### #######  #####

#     # ####### ######  #######   ###
#     # #       #     # #         ###
#     # #       #     # #         ###
####### #####   ######  #####      #
#     # #       #   #   #
#     # #       #    #  #         ###
#     # ####### #     # #######   ###
```

MAKE YOUR FILES AVAILABLE FOR FTP OR MAIL TO INDIVIDUALS PLEASE!

THANK YOU.

```
From -4333624755184407616
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62dccb602aadff5f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-11 06:19:37 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-
state.edu!ucbvax!TOPS20.RADC.AF.MIL!DEFRANCO
From: DEFRANCO@TOPS20.RADC.AF.MIL (Carl DeFranco)
Newsgroups: rec.ham-radio
Subject: Picking on BASIC (was Single Board Computers)
Message-ID: <12621068446.13.DEFRANCO@TOPS20.RADC.AF.MIL>
Date: 11 Sep 90 13:19:37 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 49
Posted: Tue Sep 11 14:19:37 1990
```

There was a recent message, originally about one-board computers, which lapsed into criticism of BASIC and garbage collection. Although this is a ham radio forum, many of us are BASIC programmers (or were) and some comment is appropriate.

BASIC itself does not specify a particular garbage collection process. Each individual implementation does so by some means, but the speed and efficiency varies with each interpreter. In the Commodore 64, the specific type mentioned, garbage collection occurs almost always as a result of string manipulation. Except for those defined in statements (such as PRINT "This is a constant string"), all strings are stored dynamically in the "heap". Commodore 64 BASIC saves them along with a pointer to the location. When the heap gets too full, BASIC stops interpreting, and starts through the heap, from top to bottom, checking to see whether the strings are still in use. Each string is then either discarded, or relocated higher up in memory until ALL THE HEAP has been checked. For programs like editors, this can be a large amount, and can lock the machine up for quite some time (tens of minutes). This is specific to the Commodore 64. On the Commodore 128, with a larger data memory, the process is different, and a garbage collection of the entire heap takes less than 5 seconds.

As a side note, there was a short machine language program published in either COMPUTE'S GAZETTE or RUN magazine (I can't remember just now) that "cured" the C-64's garbage collection problem, and cut the time from many,many minutes to less than 3 seconds. If anyone really needs to know, drop me a note here and I will look up the issue for you.

Thus, this longish note is just to remind everyone not to lay blame for a particular machine's characteristics on a language. As was recently noted, the controller versions of BASIC, usually limited to integer math and constant strings, can fly right along, and do make programming much easier than assembler.

Carl DeFranco, KB2JLY

```
From 4200945664460901255
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9af3375bb1c63cb8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-11 07:04:01 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com ( =Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: Radials without a shovel
Summary: Grounding pegs
Keywords: ground grounding grounds (not related to coffee)
Message-ID: <97@thoreau.nsc.com>
Date: 11 Sep 90 14:04:01 GMT
References: <9009062146.AA03571@tilde> <39703@cci632.UUCP>
Organization: National Semiconductor, S. Portland, Maine
Lines: 22
Posted: Tue Sep 11 15:04:01 1990
```

Along the subject of ground pegs, I went to the local hardware/building supply store and bought a supply of really large (12") spikes, soldered or brazed the ground wires to these spikes at the ends and in the middle and drove the spikes in the ground. They keep the wire taught and also afford "some" contact with the ground. I know they are iron, you have to use muratic acid flux to get solder (use 50-50 and a propane torch) to take. Do everything you can think of to neutralize the acid before you solder on the radial wire, soak in sodiumbicarbonate solution for a while and wash with water. Yes, the spikes do oxidize somewhat when in the ground but they are a decent hold down. Now if you could get them to take a good thick copper plate. May want to try using the spikes or some other core item inside a length of soft copper water or refridgerant tubing and soldering (brazing is really better) the ground radials to the copper, drive the copper into the ground, remove the spike core and fold over and crimp the end of the copper tubing. The concept is cheep and should work quite well. For those with problem soil you could use plumbing fittings and make the copper tube into a water ram drill to get through clay. For shale, put in anything that will work, the copper is probably too soft.

Ron Todd, K3FR

From -6877845314038605166
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,73ad79a5100188e6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-11 07:52:15 PST
Path: gmdzi!unido!mcsun!uunet!know!samsung!usc!apple!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (=Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: Antenna gain figures for QST
Message-ID: <98@thoreau.nsc.com>
Date: 11 Sep 90 14:52:15 GMT
References: <95@thoreau.nsc.com> <30500722@ux1.cso.uiuc.edu>
Organization: National Semiconductor, S. Portland, Maine
Lines: 57
Posted: Tue Sep 11 15:52:15 1990

In article <30500722@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
i.e. PHIL HOWARD
>
> The specification for antenna models should specify the format of the file
> that is submitted, and that file format should be in the public domains so

Actually, the "file format" is only important to the validating agency (ARRL/QST), the manufacturer and to anyone wishing to purchase the disk models. The model format or model specification is the important concept.

> such a requirement does not end up becoming a requirement to use any
> particular program. The requirement should only specify, or refer to

The requirement of a specific program is that modeling results may not be repeatable on other programs. At the very minimum, the model algorithm must be the same in all programs used in conjunciton with the specification. Model execution may vary from program to program due to the various efficiencies addressed by the program developers but the results must be the same for identical model input specifications. It is the consistancy of the modeling results from consistant inputs that is necessarilly the cornerstone of the proposal.

> a published specification, of how the antenna model itself is formatted
> so that ARRL or anyone else (if the model is released to the public) can
> study it using the tools of their choice.

MININEC input format is (can be) in ascii, no need to actually have the program to write the arrangment of wire segments, source values and phasing and select ground type to specify the correct model for the antenna. With an ascii description one could model the antenna to ones content. MININEC is in the public domain and available through several sources including the excellent archive at WSMR, SIMTEL-20. It does require BASIC to run and is fairly large. Several parties have made more user friendly forms of MININEC available. The concept is that the model be easily documented, described and easily replicated. The results should be consistant and that is the reason I have suggested a readily available program.

>
> If NEC and/or MININEC are good programs (and having never used them I do
> not know) then they can stand on their own w/o ARRL mandating their use.

The mandate is first in model description, that it be consistant and, second, in the tool used. Quite a few institutions and organizations put a lot of stock in NEC and MININEC (within the limitations of their performance) to allow the selection of these modeling algorithms to be considered as standard.

>
> The ideal program is one that is well documented, runs on all major system
> types, has source available, and is free. Ideal programs are rare so we
> have to live with less than ideal programs at times.

I grant that neither of these programs may be ideal on ALL points but at least MININEC is free, can run on most major systems (maybe not cp/m, Commodores etc.)and is moderately documented. The publication of a "SPEC" would add documentation and allow repeatable modeling.

Ron Todd, K3FR

From -8121734844305196353
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9ea43197504b1408,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-11 08:46:21 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!D15VS178A.SPACE.SWRI.EDU!ROsman%ASS%SwRI05
From: ROsman%ASS%SwRI05@D15VS178A.SPACE.SWRI.EDU
Newsgroups: rec.ham-radio
Subject: USGS Topo Data
Message-ID: <9009111546.AA24951@ucsd.edu>
Date: 11 Sep 90 15:46:21 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6
Posted: Tue Sep 11 16:46:21 1990

I'm looking for an FTP site that has USGS or DMA digitized topographic data.
Any ideas?

Thanks,

Oz

From 6890406649758460573
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,94931e181e0b02cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-11 08:52:23 PST
Path: gmdzi!unido!mcsun!uunet!wa3wbu!compnect!daveh
From: daveh@compnect.UUCP (Dave Hultberg)
Newsgroups: rec.ham-radio
Subject: Re: ex
Summary: How does it manage memory?
Message-ID: <775@compnect.UUCP>
Date: 11 Sep 90 15:52:23 GMT
References: <1990Sep8.015542.1611@uoft02.utoledo.edu>
Organization: John Core at home, Harrisburg,PA
Lines: 26
Posted: Tue Sep 11 16:52:23 1990

In article <1990Sep8.015542.1611@uoft02.utoledo.edu>, grx0644@uoft02.utoledo.edu
(Tony Schliesser) writes:
> I am putting the finishing touches on a basic program written for the c128 in
> 80 col. that manages the memory of the realistic pro-2005. I realize that the
> demand for such a program with this type of computer is limited, but I serves
> me just fine. This program has lots of room for more features, as I see them
> needed. If you want a copy, mail me directly as I can not keep up with this
> group. The program is shareware and the fee is $20 US. dollars, and as always,
> any monitary controbutions are accepted. Here is a list of hardware
> requirements:

A lot of us are interested in interfacing our PRO200x series scanners to our
computers. Just what does your program manage? Is it a database program that
keeps track of what you have programed into each of the 400 channels? Or does
it actually control the memory of the scanner itself through some sort of
hardware interface? I can keep track of what I have programmed into memory
with dBASE or some other database manager. Computer control of entering
frequencies into memory or recording active frequencies in search mode would
probably interest a lot of us. How about a few more details on what your
program actually does?
73 Dave

--
Dave Hultberg Packet: KA3UZR @ WB3EAH.PA.USA.NA Fidonet: 1:270/101.28
uunet!rutgers!psuvax1!eds1!wa3wbu!compnect!daveh CI$: 72437,3215
Snail mail: 1407 Concord Rd., Mechanicsburg, PA 17055-1955
FAX: 717-790-3689

From -7503641290271004861
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fa200de21edf458e

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-11 08:57:50 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!ryn.esg.dec.com!ultnix.enet.dec.com!taber
From: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Newsgroups: rec.ham-radio
Subject: Re: Oh No..Another Code question
Message-ID: <1990Sep11.115750@ultnix.enet.dec.com>
Date: 11 Sep 90 15:57:50 GMT
References: <644@donk.UUCP>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Organization: KC1TD@KB4N.NH.USA.NA.EARTH.SOLAR_SYSTEM.UNIVERSE.MIND_OF_GOD
Lines: 26
Posted: Tue Sep 11 16:57:50 1990

In article <644@donk.UUCP>, jerry@donk.UUCP (jerry) writes:
|> I originally learned Morse in the Navy, more years ago than I want to
|> think about..
|>
|> Nowhere can I find any rule that explictly requires that the code test
|> be taken by hand, but I have been made to understand that bringing
|> anything to the test but paper, pencil and maybe a calculator is
|> forbidden.
|>

You'll probably get a million replies about this --

There is no reason why you can't use a typewriter or computer to take the code test, as long as it's you and not the computer that is taking down the code. In the Mass/NH area, every VE that I talked to said that their organization would be willing to test people who used typwriters as long as the applicant gave them sufficient advanced warning that they could set up a separate test area (so the keyclicking wouldn't bother the people who were trying to take the test in the more traditional way.
--
>>>==>PStJTT
Patrick St. Joseph Teahan Taber

My employer doesn't care what I think. I, in turn, don't care what
you think. You probably don't care what my empolyer thinks. Thus is
life a circle.

From -2269721438899065120
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55c4a21833575d0c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,55c4a21833575d0c
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-09-11 09:24:21 PST
Path: gmdzi!unido!mcsun!uunet!isis!nyx!whester

From: whester@nyx.UUCP (William R. Hester)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Display lamps in rigs
Keywords: extend bulb life
Message-ID: <2070@nyx.UUCP>
Date: 11 Sep 90 16:24:21 GMT
References: <107862@philabs.Philips.Com>
Reply-To: whester@nyx.UUCP (William R. Hester)
Organization: Public Access Unix - University of Denver
Lines: 14
Xref: gmdzi rec.ham-radio:14777 rec.radio.shortwave:2075
Posted: Tue Sep 11 17:24:21 1990

Hmmm...the formula that I found in some old engineering reference is:

%Life = (Rated Volts/Actual Volts)^(13.1)

Thus, the ratio is raised to the 13.1 th power...

I put this into a Lotus 123 spreadsheet and ran out a bunch of typical values... a 10% voltage reduction gives almost a 400% increase in bulb life! Conversely, a 10% overvoltage brings the life down to 30% of the manufacturer's rated value...

A good reason to find 130 VAC rated incandescent light bulbs for those sockets way up high over the stairways that are sooooo hard to get to.

From -5162012965873403173
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1d06e4f0ad0af7d7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-11 10:12:27 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!cs.cciw.ca!U009
From: U009@cs.cciw.ca
Newsgroups: rec.ham-radio
Subject: 8031 (MCS-51) Re: Homebrew, Cellular, Embedded Controllers
Message-ID: <5A090B0D38280341-MTACY830*U009@cs.cciw.ca>
Date: 11 Sep 90 17:12:27 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 29
Posted: Tue Sep 11 18:12:27 1990

Hi there from the Great White North.

A lot has been said recently concerning microcontrollers of the MCS-51 family (8751, 8031, etc).

A poster recently described his G.E. Cell Phone as being 8031 based.

So to assist the home brewers out there who want to modify their cellphones for use as I.F. strips for microwave units (my desire) or as high speed packet units, I offer some software we developed for another project: the MCS-48 and MCS-51 disassembler! The package is rudimentary, but it works fine. It is necessary to examine a dump of the binary to find non-code areas since the routine isn't smart enough to save itself if it gets mixed up (reminds me of the infamous diagnostic in the CP/M BDS C compiler: "I am totally confused.") Anyhow, a sucession of trial disassemblies and refinements of the tables will usually do a good job on the code.

Email me at my site and I'll send you a copy, (C source etc.) but be warned, it's not a commercial product and the documentation leaves a lot to be desired (like documentation).

Is G.E. the only vendor of cellphones to use the 8031? Go ahead, dismantle your new toy and let the net in on it. Enquiring minds want to know.,

Regards, Stu Beal, VE3MWM, (U009@CS.CCIW.CA),
National Water Research Institute,
Burlington, Ontario, Canada.

The future lies ahead. And behind us lies, lies... lies.

From 3326955078851877812
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,9389c6ad391d7f59
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,9389c6ad391d7f59
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-11 13:08:45 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!
elroy.jpl.nasa.gov!turnkey!orchard.la.locus.com!stb!driver8
From: driver8@stb.info.com (Hugh Whats-his-name)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Broadcast station on 10 Meters?
Summary: These are usually 3rd harmonics
Message-ID: <1990Sep11.200845.4012@stb.info.com>
Date: 11 Sep 90 20:08:45 GMT
References: <107863@philabs.Philips.Com>
Sender: driver8@stb.info.com (Hugh Stegman)
Organization: The Serial Tree BBS, +1 213 397 3137
Lines: 18
Xref: gmdzi rec.ham-radio:14807 rec.radio.shortwave:2086
Posted: Tue Sep 11 21:08:45 1990

In article <107863@philabs.Philips.Com> rfc@briar.Philips.Com (Robert Casey) writes:

(>
(>   It is 17:01 UTC, Saturday, 9/8/90. I am tuned to 28.740 MHz AM, and
(>   I am listening to a commercial broadcast station. It's not my equipment,
(>   it has been confirmed by other local hams. Does any one know what station
(>   this is? Why is it on 10 meters? This is the first time I have heard it
(>   so I am assuming that it is a new station. Any one in the know?

(>
These usually turn out to be 3rd harmonics from the 31 meter band. Radio Havana is especially notorious, as is "La Voz Del Cuba Independiente y Democratica", an anti-Castro clandestine getting $$$ from the U.S.. Wait until both bands are in and check it out.

```
--
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
 Hugh Stegman NV6H    (    (   (  ( (( -o- )) )  )   )  ) driver8@stb.info.com
 RCMA Below 30 MHz                  _|_                     denwa!stb!driver8
 Standard disclaimers apply.       /   \         Let RCMA think for itself.
```

From 5807680862280546889
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bbb900e752752a9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 14:03:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Experience with Butternut HF6V-X vertical
Message-ID: <7880277@hpfcdc.HP.COM>
Date: 7 Sep 90 21:03:18 GMT
References: <90Aug30.164300edt.57393@ugw.utcs.utoronto.ca>
Organization: HP Fort Collins, Co.
Lines: 32
Posted: Fri Sep 7 22:03:18 1990

>As an aside, does anyone have an easy way of putting radials under
>the lawn (without a shovel)?
>
>Bruce Thompson
>WB0QWS

I used a utility knife. I took a piece of tank coil stock (the hollow kind) and bent it to feed #25 enameled copper beside the knife blade into the ground. I then wrapped electrical tape around the handle of the utility knife and the tube.

With one stroke, you cut the sod about 1.5", and the tube feeds the wire into the ground. I laid over 20 radials this way one morning. It helps if the ground is damp. What you're really after is for the grass roots to grow over the wire so you don't hit it with a lawn mower or dethatcher.

By the time you divide your power by 30-50 radials, #25 wire is JUST FINE. Also, the length doesn't seem very important, because the earth detunes the wires laid in it. (ever wonder why the FCC specifies .4 wavelength radials for commercial stations ? It's non-resonant ! It apparently doesn't matter.)

Most of the antenna current happens close to the base of the antenna, so extremely long radials are a waste. For this reason, "more and shorter" is better than "few and longer". Resonant radials are only needed in above-ground installations. Being a hypocrite, though, I laid one 30' radial just because the lawn dimensions allowed it.

Perry Scott
KF0CA

From -3123211186385833000
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,345a916760853381,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 14:12:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: howdy.... long time no post, eh?
Message-ID: <7880278@hpfcdc.HP.COM>
Date: 7 Sep 90 21:12:31 GMT
References: <2977@anasaz.UUCP>
Organization: HP Fort Collins, Co.
Lines: 8
Posted: Fri Sep 7 22:12:31 1990

Yo Rusty ! I just heard 10 meters open up again last weekend. You came back just in time.

And talk about open ! My first contact was Anchorage, followed by Bar Harbor, Maine, followed by Tokyo. I just love 10 meters.

Perry Scott
KF0CA

From -5006678703057553115
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ef9b608da96aadb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 14:43:21 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: What level should hams homebrew
Message-ID: <30500721@ux1.cso.uiuc.edu>
Date: 7 Sep 90 04:42:00 GMT
References: <150103@<1990Sep5>
Lines: 27
Nf-ID: #R:<1990Sep5:150103:ux1.cso.uiuc.edu:30500721:000:1325

Nf-From: ux1.cso.uiuc.edu!phil   Sep 6 23:42:00 1990
Posted: Fri Sep 7 05:42:00 1990

> >There is also the concept (if I might bring it up) of "homebrewing" at a
> >higher level: developing software
> >
> >The problem with this is the lack of availability of the parts.
>
> What do you mean? One of the things that drove me towards software
> development (besides its inherent fascination) was constant
> frustration in getting parts for hardware development. I don't know of
> any other field in homebrewing where you can easily get so many parts
> over the phone. I don't mean just ordering them over the phone, I mean
> actually *obtaining* them through the phone line. :-)

Actually the "parts" I referred to was the hardware platform.

> The other great thing about software is that it is so easily
> replicated. Building the first prototype of a hardware project is
> fun, but duplicating it can get old pretty quickly. Fortunately I have
> here a magic machine that can automatically duplicate any homebrew
> software project in a matter of seconds or minutes, as long as you
> keep feeding it electricity and raw materials. And the duplicates are just
> as good as the prototype...

This is one of the things that makes software homebrewing fun.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 948926693124979516
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bbb900e752752a9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 15:12:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!iuvax!news!cartan!ndmath!nstar!w8grt!
jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Experience with Butternut HF6V-X vertical
Message-ID: <119.26E6E157@w8grt.fidonet.org>
Date: 7 Sep 90 02:32:02 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 23
Posted: Fri Sep 7 03:32:02 1990

 > From: brucet@hpfcdc.HP.COM (Bruce Thompson (greeley temp))
 > Date: 5 Sep 90 19:56:33 GMT
 > Organization: HP Fort Collins, Co.

> Message-ID: <7880272@hpfcdc.HP.COM>
> Newsgroups: rec.ham-radio
>
>
> As an aside, does anyone have an easy way of putting radials under
> the lawn (without a shovel)?

With an edger or a turf cutter (as used at turf farms). Actually almost any
tool that will cut a narrow slit will work. Poke the wire down into the slit,
tamp, and sprinkle.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From 1177892798954252930
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1e92113433aa148
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 15:26:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!hpcvmcdj!crh
From: crh@hpcvmcdj.cv.hp.com (Ron Henderson)
Newsgroups: rec.ham-radio
Subject: Re: MININEC Availability Question
Message-ID: <2330005@hpcvmcdj.cv.hp.com>
Date: 7 Sep 90 04:15:03 GMT
References: <9009052217.AA25056@ucsd.edu>
Organization: HP Corvallis, Oregon
Lines: 16
Posted: Fri Sep 7 05:15:03 1990

>PD1:<msdos.hamradio> directory at wsmr-simtel20.army.mil a few
>weeks back. Unfortunately, that directory no longer seems to
>exist as of recent ftp visits there. If anyone knows what is

Try looking in directory PD2:<MSDOS2.HAMRADIO> for ham radio related files.

The following description is from simibm.idx

"PD2:","<MSDOS2.HAMRADIO>","MININEC3.ARC",1,158720,8,870128,"Radio antenna design aid, w/BAS src and EXEs"
"PD2:","<MSDOS2.HAMRADIO>","MININEC3.INF",1,6506,7,900525,"Info and hints on how to run MININEC3 pgm"

The index and other index related files can be ftp'd from

PD1:<MSDOS.FILEDOCS> as file SIMIBM.ARC

Ron Henderson WA7TAS
crh@hp-pcd.hp.com

From 4760710329822254592
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,90c4a2daebb386ce,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 16:49:38 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!uakari.primate.wisc.edu!aplcen!haven!decuac!shlump.nac.dec.com!rust.zso.dec.com!stoppani
From: stoppani@rust.zso.dec.com (Pete Stoppani)
Newsgroups: rec.ham-radio
Subject: WANTED: ICOM R70
Message-ID: <1314@rust.zso.dec.com>
Date: 7 Sep 90 16:02:23 GMT
Organization: DECwest, Digital Equipment Corp., Bellevue WA
Lines: 12
Posted: Fri Sep 7 17:02:23 1990

I'm looking for a used ICOM R70 that is in excellent condition.
Please send email if you have one that you would like to sell
(or if you know of someone that is selling one).

Thanks,

```
--
| Pete Stoppani          | stoppani@decwet.dec.com                      |
|  DECwest Engineering   | decwrl!slough.enet!stoppani                  |
|  Bellevue, WA          | stoppani@slough.zso.dec.com                  |
| "The wise learn more from fools than fools learn from the wise."   |
```

From 3801765543028789024
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bbb900e752752a9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 17:10:42 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!sumax!amc-gw!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Experience with Butternut HF6V-X vertical
Summary: radials
Message-ID: <209@ssc.UUCP>
Date: 7 Sep 90 03:11:51 GMT
References: <90Aug30.164300edt.57393@ugw.utcs.utoronto.ca> <7880272@hpfcdc.HP.COM>
Organization: very little
Lines: 25
Posted: Fri Sep 7 04:11:51 1990

In article <7880272@hpfcdc.HP.COM>, brucet@hpfcdc.HP.COM (Bruce Thompson (greeley temp)) writes:

>
>
> As an aside, does anyone have an easy way of putting radials under
> the lawn (without a shovel)?
>

Try making a slit in the turf. I have heard of various tools being used for this, including an ax. I understand that it is best to use INSULATED wires for buried radials. The idea is not to have a good ground connection, but to make an efficient ground plane, with as little ground losses as possible. That is why it is probably best to mount the vertical up a little bit, with sloping above-ground radials (if you can get away with it).

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -2722507638218648898
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,34032555d132f8b4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 17:41:15 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!MEMSTVX1.BITNET!SKAGOO
From: SKAGOO@MEMSTVX1.BITNET (Suresh Kagoo)
Newsgroups: rec.ham-radio
Subject: Greater Memphis Hamfest & Computer Show
Message-ID: <9009071511.AA15542@ucsd.edu>
Date: 7 Sep 90 15:10:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 37
Posted: Fri Sep 7 16:10:00 1990

MEMFEST '90
Greater Memphis Hamfest & Computer Show

OCTOBER 13-14, 1990

Location: Pipkin Building, Mid-South Fairgrounds
           Memphis, Tennessee

Hours of Operation: Saturday 9:00 am to 5:00 pm
                      Sunday   9:00 am to 2:00 pm

Memfest Info: 146.28/88, 224.42/82, 444.0/449.0

Admission: $5.00 per person (includes 6 attendance prize tickets)

ARRL VE Exams: Saturday, October 13, 9 AM, PRE-REGISTRATION ONLY
               contact W4MI (901)357-8148

Flea Market: Space will consist of one 8' table, at a cost of $16.00 for the
             weekend. First come - first served. contact KA4EBU (901) 755-6629
             THERE WILL BE SECURITY EACH NIGHT!

If you have any questions please send me a e-mail message.

de N9GSA

****

Suresh Kagoo   Internet: Skagoo@memstvx1.memst.edu
Academic Computer Services   Bitnet : SKAGOO@MEMSTVX1
Memphis State University   Amateur Radio : N9GSA
Memphis, Tennessee   Others available on request
                                    141.225.1.2
****

From -2758337827674924127
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,45e165e2725d1b25
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 17:57:58 PST
Path: gmdzi!unido!mcsun!uunet!know!samsung!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio
Subject: Re: Heathkit AT-1 Transmitter
Summary: AT-1 a collector's item
Message-ID: <3786@radio.oakhill.UUCP>
Date: 7 Sep 90 14:40:18 GMT
References: <44589@apple.Apple.COM>
Organization: Motorola Inc. Austin, Tx
Lines: 30
Posted: Fri Sep 7 15:40:18 1990

In article <44589@apple.Apple.COM>, tomas@Apple.COM (Tom Taylor) writes:
> I found an old Heathkit AT-1 transmitter at a junk yard. The owner gave
> it to me free. I brought it home, took off the cover, turned it on, plugged
> it into a dead outlet, took bodily cover, and turned on the circuit-breaker
> controlling the dead outlet. No explosion. No smoke. But the tubes

> (it has three) lit up.
>
> Does anybody know anything about this 4-band (80,40,20,10) CW transmitter?
> Anybody have a manual or know of a source?
>
> Thanks,
> Tom Taylor AA6BR

The AT-1 was Heath's first amateur transmitter (someone correct me if I'm wrong). I have a story about the AT-1..it goes like this:

When I was 12 years old I worked in the supply store at my local elementary school, I was also a coin collector. One day someone purchased an eraser using a 1931S penny. I swapped the penny out and took it home. Much to my astonishment the penny was worth $30.00! A ham friend of mine traded a Heath AT-1 transmitter to me for that 1931S penny. It became my first ham transmitter. I worked 35 states on CW on 7.180 (different band plan) using that little AT-1. The AT-1 is a simple and reliable little transmitter and represents what ham radio used to be. Mine had the 6L6 replaced with a more modern 2E26 although the 6L6 is still available.

The AT-1 is a classic. Enjoy it!

-Charlie Thompson WB4HVD

From -9119362748135797623
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5bb9166a13e189b7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 18:11:45 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!wuarchive!decwrl!elroy.jpl.nasa.gov!turnkey!orchard.la.locus.com!prodnet.la.locus.com!lando.la.locus.com!dana
From: dana@lando.la.locus.com (Dana H. Myers)
Newsgroups: rec.ham-radio
Subject: Re: Call Plates
Message-ID: <17066@oolong.la.locus.com>
Date: 7 Sep 90 15:53:11 GMT
References: <9009061921.AA26700@server.af.mil>
Sender: news@locus.com
Organization: Locus Computing Corporation, Inglewood, CA
Lines: 26
Posted: Fri Sep 7 16:53:11 1990

Once upon a time, I wrote:

> I have a KA4993 frame on one of my motorcycles; I bought a used bike
>from a friend who also happens to work for the state, as a patrolman. He
>kinda laughed and said, "Maybe that will help keep you from getting too
>many tickets". Usually, family members end up with these things... though

>anyone can legally buy/display them...

In article <9009061921.AA26700@server.af.mil> 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE") writes:

>Can I ask you why? What's the point of displaying the cops' callsign on
>your car? Maybe (as you say) to avoid tickets? Lotsa people out here have
>SHOPO (State of Hawaii Organization of Police Officers, the cops' "union")
>stickers on their cars for the same reason, I guess.

The frame identifies me as 'one of them'. Maybe I'm an off-duty copy or something. When given a choice between 10 different speeding vehicles, maybe I'm a little less likely to get picked.

```
*****************************************************************
* Dana H. Myers KK6JQ       | Views expressed here are  *
* (213) 337-5136 (ex WA6ZGB)     | mine and do not necessarily
     *
* dana@locus.com       | reflect those of my employer   *
*****************************************************************
```

From -887461841541689152
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d90a3ed3d9df6a91,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 19:30:14 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!sdd.hp.com!zaphod.mps.ohio-state.edu!wuarchive!julius.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: TN Call Plates
Message-ID: <30500723@ux1.cso.uiuc.edu>
Date: 7 Sep 90 20:44:00 GMT
References: <165425@<1990Sep7>
Lines: 29
Nf-ID: #R:<1990Sep7:165425:ux1.cso.uiuc.edu:30500723:000:1327
Nf-From: ux1.cso.uiuc.edu!phil   Sep 7 15:44:00 1990
Posted: Fri Sep 7 21:44:00 1990

Ham plates end up having various usefulnesses regardless of what the original intent was, including:

1. Identify the car as likely having communications equipment and a skilled operator who knows how to use them. A police office in a situation where he needs communication capability, and knows what a ham plate means, could go to that car. He could also look for antennas and maybe get a CB-er.

2. Identify you as "one of the fraternity" to other hams, who might end up honking "hi" or your call at on the horn, or call you on 146.52 if

equipped for 2 meters.

3. Make you look "normal" in hamfest parking lots.

4. Make people ask questions in which can get to say "It's ham radio...
...would you like to know what hams do these days?".

5. A way to make it a lot easier for you to remember your license plate
number.

Except at hamfests, most thieves probably don't know the ham plates mean "open here for free radios" but the antennas usually do a good job of this (and magmounts can be taken down and hidden). Thieves at hamfests probably know that there is just as much chance of a radio in a car with or without the ham plates.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From 7728237797271246606
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,73ad79a5100188e6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 19:30:34 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!julius.cs.uiuc.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Antenna gain figures for QST
Message-ID: <30500722@ux1.cso.uiuc.edu>
Date: 7 Sep 90 20:34:00 GMT
References: <95@thoreau.nsc.com>
Lines: 18
Nf-ID: #R:thoreau.nsc.com:95:ux1.cso.uiuc.edu:30500722:000:979
Nf-From: ux1.cso.uiuc.edu!phil    Sep  7 15:34:00 1990
Posted: Fri Sep  7 21:34:00 1990
```

The specification for antenna models should specify the format of the file that is submitted, and that file format should be in the public domains so such a requirement does not end up becoming a requirement to use any particular program. The requirement should only specify, or refer to a published specification, of how the antenna model itself is formatted so that ARRL or anyone else (if the model is released to the public) can study it using the tools of their choice.

If NEC and/or MININEC are good programs (and having never used them I do not know) then they can stand on their own w/o ARRL mandating their use.

The ideal program is one that is well documented, runs on all major system types, has source available, and is free. Ideal programs are rare so we have to live with less than ideal programs at times.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -5650988218594369709
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1d6cb409d3346a89,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,1d6cb409d3346a89,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-09-07 19:48:56 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!watserv1!watmath!att!tsdiag!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: * SpaceNews 10-Sep-90 *
Keywords: Titan 4, Magellan, STS-35, DOVE-1, OSCAR-11
Message-ID: <338@ka2qhd.UUCP>
Date: 8 Sep 90 02:48:56 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 121
Xref: gmdzi rec.ham-radio:14737 sci.space:15742
Posted: Sat Sep 8 03:48:56 1990

SB SPACE @ ALLBBS $SPC0910
* SpaceNews 10-Sep-90 *

Bulletin ID: $SPC0910

=========
SpaceNews
=========

MONDAY SEPTEMBER 10, 1990

SpaceNews originates at KD2BD in Wall Township, New Jersey, United States.
It is published every week and is made available for unlimited distribution.

* TITAN ACCIDENT *
==================
A fatal accident occurred on Friday at Edwards Air Force Base in California when a Titan-4 booster rocket fell on its side and its bottom section ignited while it was being moved. The latest news report indicated that one worker is missing and another was injured in the accident.

Edwards Air Force Base is the primary landing site for U.S. Space Shuttle missions.

* SHUTTLE TROUBLE *

A hydrogen leak with Columbiae has forced a delay in the launch of STS-35. Assuming the problem can corrected with minimal difficulty, the earliest launch date will be around September 17th.

And if NASA didn't have enough trouble with technical problems, there have been reports linking the operation of solid rocket motors, like those used during Shuttle launches, with destruction of the Earth's ozone layer.

* OSCAR-17 NEWS *

Here is a message recently received from DOVE-1:

```
DOVE-1>BRAMST <UI>:
Greetings to the delegates to the AIAA/USU small satellite
conference from AMSAT.  The DOVE spacecraft is transmitting
3 plus watts.  DOVE will be reset soon for software
uploading. 73 de BM.
```

* MAGELLAN UPDATE *

So far, there has been no explanation for the periods of signal loss experienced during recent radar mapping of the surface of Venus. Mapping is expected to re-commence shortly.

* OSCAR-11 NEWS *

Has OSCAR-11's Digitalker got laryngitis? It has been silent for several months now, and telemetry analysis shows that the Digitalker is now drawing much less current from the spacecraft's +5v power bus than it has in the past. Here are a few samples of Digitalker current before and after the silence:

```
03-Mar-90 at 14:30:25 UTC - 16.51 mA
31-Mar-90 at 01:03:34 UTC - 27.17 mA
08-Apr-90 at 14:20:50 UTC - 12.09 mA
19-Aug-90 at 14:44:07 UTC -  0.91 mA
01-Sep-90 at 14:00:26 UTC -  0.91 mA
```

At the present time, Digitalker periods are silent. The OBC status messages as well telemetry channel 62 indicate the Digitalker is indeed turned on. Has anyone got any explanations?

* SpaceNews NEWS *

Sorry for the lack of SpaceNews last week! I got quite involved writing some telemetry analysis software and did not have enough time to get an issue together.

* TNX QSL! *

A special thanks to all those who sent QSL cards to SpaceNews:

N6RME : Paul Brown, Placerville, California, U.S.A.
N6YUE : Steve Gold, Portola Valley, California, U.S.A.
G6SVJ : John Harvey, Uttoxeter, Staffs, England
JE2MDE : Kenichi Isoda, Tarumi, Tsu, Japan
KB0EEY : Mike Albers, Colby, Kansas, U.S.A.
WA2OKZ : Ken Pietrucha, Cranford, New Jersey, U.S.A.
WA6TKV : Ray Antasek, Sunnyvale, California, U.S.A.

* FEEDBACK WELCOMED *

Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

UUCP : ...!uunet!masscomp!ocpt!ka2qhd!kd2bd
AMPR : KD2BD @ NN2Z.NJ.USA.NA

MAIL : John A. Magliacane
Department of Electronics Technology
Advanced Technology Center
Brookdale Community College
765 Newman Springs Road
Lincroft, New Jersey 07738
U.S.A.

<< If you like what you see, send us your QSL card! >>

/EX
--
John A. Magliacane FAX : (201) 747-7107
Electronics Technology Department AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College UUCP : ..!uunet!masscomp!ocpt!ka2qhd!kd2bd
Lincroft, NJ 07738 USA VOICE: (201) 842-1900 ext 426

From 3379820490039293547
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae8dc54feb722c6a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 20:02:07 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (=Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: "Long Distance" CPO (Code Practice Oscillator)
Summary: underground radio
Message-ID: <94@thoreau.nsc.com>

Date: 7 Sep 90 15:23:41 GMT
References: <12280014@hpspdra.HP.COM> <33464@cup.portal.com>
Organization: National Semiconductor, S. Portland, Maine
Lines: 17
Posted: Fri Sep 7 16:23:41 1990

In article <33464@cup.portal.com>, RaH@cup.portal.com (Richard A Hyde) writes:
> was about "through the earth" communications.
> Essentially, you drive two conductive stakes into the ground, and using
> "around the house (who's house ?)" electronics, you communicate between
> them.
>

Yup, the stuff really works. I did the same with a 5 watt audio amp as the transmitter and a phono premap as the receiver when I was in high school. We even hooked up a CPO to the transmitter stakes and went to a pair of high impedance headphones. The best we got was across the back yard but that was because we had to stay connected to the AC lines for the power source.

Good Idea for Cub Scout level activity, I think this is just what the doctor ordered.

Ron, K3FR

From 6254920942553254242
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9af3375bb1c63cb8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 20:10:52 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!van-bc!ubc-cs!uw-beaver!cornell!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: Radials without a shovel
Keywords: ground grounding grounds (not related to coffee)
Message-ID: <39703@cci632.UUCP>
Date: 7 Sep 90 14:21:29 GMT
References: <9009062146.AA03571@tilde>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 26
Posted: Fri Sep 7 15:21:29 1990

>Bruce Thompson, WB0QWS asks: "...does anyone have an easy way of putting
>radials under the lawn (without a shovel)?

I always use a hatchet (or "axe", if you prefer) to carve a little trench out. It's not that much work, especially compared to ditch-digging!!!

One trick that my friend AA2AY told me is to lay the wires along the grass in the fall (when lawn mowing is over) or spring (before it begins), pulled taught with a stake at each end (railroad ties would work; grounding rods would probably be better, but could get expensive if you've got a complicated installation). When the grass thickens and grows back, it should cover it up.

Right now, I'm installing a more reasonable ground system into a house that is wired like a grape vine. I "obtained" some belden 1/2" flat grounding strap. I was nervous about putting the Radio Shack model grounding rod (hey, they're convenient) too close to the house, so I picked a spot, but it's only about 2 feet away from the foundation. (We have a full basement). Does anybody know how well this grounding strap holds up? Is it safe to bury it?

Finally: the soil is reasonably moist, and not particularly sandy, from what I can tell so far. Should I bother with some sort of electrolyte, and if so, anybody got a good recipe?

73's WZ2B

From 3978990696348339300
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96f2a4347734d91
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 21:02:29 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!zaphod.mps.ohio-state.edu!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Single Board Computers (was Re: What level)
Summary: Control Basic
Message-ID: <1307@ke4zv.UUCP>
Date: 7 Sep 90 13:53:21 GMT
References: <3910@rsiatl.UUCP> <771@idacrd.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 60
Posted: Fri Sep 7 14:53:21 1990

In article <771@idacrd.UUCP> mac@idacrd.UUCP (Robert McGwier) writes:
>From article <3910@rsiatl.UUCP>, by jgd@rsiatl.UUCP (John G. DeArmond):
>> cep@cci632.UUCP (co-op) writes:
>>
>>
>>>when BASIC decides to garbage collect (or equivilent idiotic operation) and
>>>things grind to a halt, you'll wind up frustrated.
>>
>> Ahhh, a language bigot and a very uninformed one to boot. If you
>> of BASIC, you'd never make such a foolish statement. Garbage
>> collection on a microcontroller - what a riot.
>
>
>
>John:

>
>
>Perhaps you would be so kind as to explain why I got so many of these
>garbage collection statements way back when I wrote basic (it was the
>only high level language at the the time) for Commodore. I wrote an
>editor in basic and garbage collection would occur and I would wait
>for many minutes. I program assembler on fifteen different processors
>the last time I counted, and have written code for more computers than
>most people even know exist. I do not consider it to be a sin that
>I do not either know or understand what you are talking about. How about
>a little information and a little less snot?

Control BASIC and Commodore BASIC are similar only in their syntax. The controller BASIC that I have used only allows static variables so garbage collection is never an issue. The language is optimized for interrupt servicing and bit level control. It shouldn't be called BASIC I guess, but the syntax is similar. It is easy to debug without an ICE, and the tokenized program is very small. You could write slightly better code directly in assembler, of course, but it would take much longer and debugging would require an ICE. It also only supports integer math, but for the majority of control applications this is a plus not a minus. I have used this to develop a one of a kind machine controller for a garment plant. Since it was a retrofit to an existing machine and quite a bit of experimentation was required to make it work the way the customer wanted, it was a huge advantage to be able to make changes in real time on the factory floor and debug problems as they came up. If I had used a controller programmable only in assembler, it would probably have exhausted both my and my customer's patience before we got the machine doing exactly what he wanted. This SBC from Octagon Systems allows you to develop code in RAM from a terminal, and then with a single command, burn the code into on board ROM.
In this application the SBC was able to service three separate interrupts with an aggregate frequency of 200 interrupts per second and drive sixteen solenoids while maintaining a 19.2 kb link with the terminal. This kind of performance should be good enough for all but the most demanding control applications. I'm not saying that it's better than programming in assembler from a raw performance standpoint, but it is certainly "good enough" and short development cycles count for a lot out in the field. You do have to develop a new coding style to get this level of performance though, nice clean modular code is out the window, subroutine calls cost too much in this enviornment. You tend to use interrupt service as much as possible with global flags used to communicate with the main line code running in a polled loop.

Gary KE4ZV

From 5832143804996145396
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e76df2ec98b25017,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 21:34:13 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!STL-06SIMA.ARMY.MIL!wmartin

From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: Re: KB0GPX (was Phonetics for NJ6A)
Message-ID: <9009071805.AA25729@ucsd.edu>
Date: 7 Sep 90 18:03:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Fri Sep 7 19:03:50 1990

>Now you know why I turned in KB0GPX.

You'll regret that when you become an OF and spend all your time on-air talking about your operations... You could have been...

Great Pancreatic X-rays

:-) :-) :-) :-) :-) :-) :-) :-)

or, for that matter, "Gory Pancreatic X-rays", if you're graphic enough :-)

Regards, Will

From -847637278107362789
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7528dc6e943b75fd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 22:26:52 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!dover!edif!mike
From: mike@edif.sps.mot.com (Mike Waters)
Newsgroups: rec.ham-radio
Subject: Hawaii repeaters
Message-ID: <0VX5o2w162w@edif.sps.mot.com>
Date: 7 Sep 90 16:51:20 GMT
Organization: EDIF User Group (U.S.A.)
Lines: 11
Posted: Fri Sep 7 17:51:20 1990

Help! I am off to Hawaii on vacation in a couple of weeks, but can't get hold of an ARRL Repeater Directory (everyone seems to be out!).

Can anyone tell me the good 2M and 440Mhz repeaters in the Honolulu area and on the island of Hawaii (I expect to tour from Hilo and cover most of the island in a rental car)?

Any othe pointers/hints etc? (I don't plan on leaving things in my car BTW :-))

Mike AA4MW

From -7684279944609587993

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9af3375bb1c63cb8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 22:27:19 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!sol.ctr.columbia.edu!cica!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: Radials without a shovel
Message-ID: <57523@iuvax.cs.indiana.edu>
Date: 7 Sep 90 19:09:28 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 17
Posted: Fri Sep 7 20:09:28 1990

>Bruce Thompson, WB0QWS asks: "...does anyone have an easy way of putting
>radials under the lawn (without a shovel)?

A ham magazine (probably QST) published a short article about a "ground-radial plow" in the '60s or '70s. It's a steel blade, perhaps 3/8 - 1/2" thick, 3" wide, 2' long, sharpened on one edge. It's attached to the back end of a large garden-tractor (preferably one with a low gear range). I've never tried it; it would probably be most convenient if made retractable. Watch out for underground utility wires/pipes!

--

Frank Reid   W9MKV   reid@ucs.indiana.edu

Listening to cellular phones shouldn't be illegal; it should be _required_ for student shrinks et al., as part of their training.

From 4297551632361065828
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6796b000644e3a5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 23:42:26 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!shelby!msi-s0.msi.umn.edu!cs.umn.edu!uc!we.msc.umn.edu!acp
From: acp@we.msc.umn.edu (Anthony Peterson)
Newsgroups: rec.ham-radio
Subject: Communications Receivers Wanted
Message-ID: <2526@uc.msc.umn.edu>
Date: 7 Sep 90 20:18:03 GMT
Sender: news@uc.msc.umn.edu
Reply-To: acp@we.msc.umn.edu (Anthony Peterson)
Organization: Minnesota Supercomputer Center
Lines: 21
Posted: Fri Sep 7 21:18:03 1990

```
        ##############################################################
        #                                                            #
        #          PRE-1941 COMMUNICATIONS RECIEVERS WANTED          #
        #                                                            #
        ##############################################################
```

I'm a collector interested in buying communications receivers, literature

pertaining to, and accessories for communications receivers made before

world war II.

I'm particularly interested in ANY receiver made by PATTERSON, BRETTING, SCOTT,

McMURDO SILVER and some receivers made by HALLICRAFTERS, NATIONAL, HOWARD and

HAMMERLUND.

Tony Peterson   acp@sc.msc.umn.edu   (612) 422-8889 (612) 626-0286

From -4783150496896307137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9af3375bb1c63cb8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-08 00:07:20 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!
wuarchive!udel!rochester!rit!cci632!ccird1!dls
From: dls@ccird1.uucp (Darren Swartzendruber)
Newsgroups: rec.ham-radio
Subject: Re: Radials without a shovel
Message-ID: <DLS.90Sep7133424@ccird1.uucp>
Date: 7 Sep 90 17:34:24 GMT
References: <9009062146.AA03571@tilde> <39703@cci632.UUCP>
Sender: dls@cci632.UUCP
Organization: Computer Consoles Inc. an STC Company, Rochester, NY
Lines: 30
Posted: Fri Sep 7 18:34:24 1990
In-reply-to: cep@cci632.UUCP's message of 7 Sep 90 14:21:29 GMT

>>>>> On 7 Sep 90 14:21:29 GMT, cep@cci632.UUCP (co-op) adds:

>>Bruce Thompson, WB0QWS asks: "...does anyone have an easy way of putting
>>radials under the lawn (without a shovel)?

>One trick that my friend AA2AY told me is to lay the wires along the grass in
>the fall (when lawn mowing is over) or spring (before it begins), pulled
>taught with a stake at each end (railroad ties would work; grounding rods
>would probably be better, but could get expensive if you've got a complicated
>installation). When the grass thickens and grows back, it should cover it
>up.

>73's WZ2B

[hi Chris!!!]

I've also have been told that using wooden clothes line pegs works as well.
Just hammer them in deep enough for the mower doen't catch them.

73's N2KTJ
--

```
Darren Swartzendruber       CCCCCCCCCCC CCCCCCCCCCC IIIIIIIII
   N2KTJ                    CC       CC CC       CC II      II  COMPUTER
                            CC  CCC  CC CC  CCC  CC IIII  IIII  CONSOLES,
cci632!dls@cs.rochester.edu CC  CCCCCCC CC  CCCCCCC IIII  IIII  INCORPORATED
rochester!rit!cci632!dls    CC  CCC  CC CC  CCC  CC IIII  IIII
uunet!ccicpg!cci632!dls     CC       CC CC       CC II      II  An STC Company
uunet!rlgvax!cci632!dls     CCCCCCCCCCC CCCCCCCCCCC IIIIIIIII
```

From -6571502867027324608
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e01ad804cbec15cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-08 00:17:35 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!csc.ti.com!ti-csl!tilde.csc.ti.com!osage!hoenig
From: hoenig@osage.csc.ti.com (Mike Hoenig)
Newsgroups: rec.ham-radio
Subject: Kenwood TH-25 Modification needed
Message-ID: <1990Sep7.184511.15207@csc.ti.com>
Date: 7 Sep 90 18:45:11 GMT
References: <9009061141.AA29309@ucsd.edu>
Sender: usenet@csc.ti.com (USENET News System)
Organization: TI Computer Science Center, Dallas
Lines: 3
Posted: Fri Sep 7 19:45:11 1990

I still need assistance from Ken Hendrickson regarding the TH-25 mods..

de N5LTL

From 7697801454143365950
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,45e165e2725d1b25
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-08 03:16:31 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!usc!apple!voder!pyramid!infmx!randall
From: randall@infmx.UUCP (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: ni-cads (long)

Message-ID: <5153@infmx.UUCP>
Date: 7 Sep 90 23:15:08 GMT
References: <44589@apple.Apple.COM>
Reply-To: randall@infmx.UUCP (Randall Rhea)
Organization: Informix, Menlo Park, Ca. U.S.A.
Lines: 131
Posted: Sat Sep 8 00:15:08 1990

Here is an article about ni-cad batteries that someone asked for on the net a few days ago. This has been posted before. I apologize for the redunancy.

-Randall KK6MY

NICAD CELL CHARACTERISTICS

by

Hugh W6WTU

The operating characteristics of a Nicad cell are very basic in nature. During charge, only current and cell temperature are critical. Discharge may occur at any current rate until the cell terminal voltage falls below 1.1 volts, but the cell temperature rise must not cause the cell electrolyte to boil (gas). When connected in a pack, the pack must be unloaded when the individual cell voltage falls to 1.1 volts to prevent reverse charging of the lowest voltage cell in the pack.

Few applications discharge cells at an excessive high rate where gassing becomes a problem, with the exception of toy electric cars (These are toys for men). Cells designed for this application usually have larger than average plate area and large connecting tabs to support the higher peak current. Cell temperature is kept below the critical value by selecting the cell capacity such that the cell will dissipate its charge before gassing occurs. In essence, the toy car runs continuously with a nearly zero series load resistance allowing the cell temperature to rise near critical just as cell discharge is reached.

The following brief notes will further amplify an understanding of Nicad cell characteristics.

1. Nicads are very easily damaged due to gas pressure caused by over-charging at high charge rates. Unfortunately, Nicads do not have a positive indicator for indicating the state of charge. It is up to the user to estimate the relative charge state. Typically, the charge rate is calculated at C/10 where C equals cell capacity and the 10 represents hours for charging. At C/10, a nominal or normal charge would occur. A fast charge can be accomplished, cell design permitting, by changing the ratio,

i.e., 5C/2.

2. Cell temperature does rise at the completion of the charge cycle, particularily at high charge current values, and can be used as a charge completion indicator. At the moment of temperature rise, the charge current must be reduced immediately to prevent excessive gas pressure build-up. Some chargers monitor the cell temperature and reduce the charge current to a small sustaining value. For 500ma cells, the sustaining value is typically between 10-25ma, or just enough current to compensate for the chemical change (internal current leakage).

3. Pulse charging of Nicads is most preferred as it is more efficient than a steady-state current value. Steady state current creates gas bubble formation on the plates of the cell, while pulse current tends to create fewer gas bubbles allowing the charge to be more uniform across the plate area. The charge uniformity is enabled by gas bubbles being moved around due to current pulsations. Bubble movement allows more plate area to be exposed during charge. Pulse charging also creates less of a temperature rise. The charge rate still has to be calculated as a function of C/10 during each charge pulse to determine total charge time (The accumulated charge is equal to the sum of the charge area under the pulse curve).

4. Older Nicad cells would not accept high charge rates above C/10 and would develop electrolyte seal leakage at attempted higher charge rates. A leaky seal, in any case, means the eventual loss of the cell. Newer cells, as used in most handheld radio applications seem to tolerate high charge rates without developing cell leakage as long as the temperature is controlled (kept low).

5. In the event corrosion around the seal of a cell develops, the corrosion can be removed. Wipe the corroded area with a vinegar soaked cotton swab. Use an ample amount of liquid and dry the cell with a tissue. Keeping the cell clean allows it to be used until it fails completely. Take note that weeping cells can cause corrosion problems if they are not inspected and cleaned regularly.

6. Discharge of a Nicad is critical only if the cell is under a load. When loaded, the cell voltage should not be allowed to drop below 1.1 volts which is just over the edge of the discharge end of the curve. Allowing the cell to drop to 1.0 volt or less while under load may cause permanent plate/electrolyte damage. The result would be a loss of cell capacity. Of course, a loss also takes place naturally with age which limits the number of charge-discharge cycles the cell is capable of supporting before it is exhausted.

7. Unloaded cells may be stored almost indefinately and allowed to discharge to whatever cell terminal voltage the cell can maintain on its own. When putting a previously stored cell into use, charge the cell, at least the first cycle, at C/10 for 12-14 hours. Shelf life of a cell is usually a function of how fast nickel whiskers develop internally that can short the cell. Two methods have been proposed as a way of extending cell life when whisker formation is of concern. a) Cycle the use of the cell/pack periodically. It is believed that the rate of whisker formation

is reduced when cells are charged and discharged periodically. b) Allow the cell to sit on the shelf as long as needed and if a whisker short should occur, blast it away with a high current pulse from a capacitor or other source. It has been observed that once whisker growth/shorting begins, it can not be permanently stopped.

8. It has been observed that the terminal voltage across a charged Nicad cell will increase as the cell ages. Using this observation, the life expectancy of a cell can be evaluated and monitored. As an example, a new/fresh cell will exhibit a terminal voltage of 1.25 volts while an old cell will exhibit, say, 1.5 volts. It is believed that the cell dehydrates with age and the rising voltage is a function of the increase in cell impedance.

9. Over the years, there has been many a discussion about Nicad cell memory. Yes, Nicads do have a memory function which can be aggravating if not understood. Simply stated, if the cell is used only over a small portion of its total capacity for at least 60% of the cycle time, the cell capacity will assume the more limited capacity value. To avoid the tendency of a memory condition inhibiting use, allow the cell/pack to be fully charged and discharged at least 60% of the total charge-discharge cycles. If in doubt about what is a full charge or what the discharge condition happens to be, then allow the cell/pack to fully discharge, unloaded when below 1.1 volts/cell, about one out of ten cycles. The charge rate from full discharge should be C/10 for 12-14 hours to cause as much chemical conversion to occur as possible. Charging at twice that value is not a problem as long as the cell doesn't start out-gassing (Monitor the temperature and taper off the end charge rate).

Many hints and kinks have been published regarding the nature and care of Nicads and all point to the fact that Nicads require user TLC to obtain long cell life. The bottom line is that the user must pay attention to how the cell is being treated.

From -2093277807400716005
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bbb900e752752a9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-08 03:35:49 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!plains!bezenek
From: bezenek@plains.NoDak.edu (Todd M. Bezenek KO0N)
Newsgroups: rec.ham-radio
Subject: Re: Experience with Butternut HF6V-X vertical
Message-ID: <5793@plains.NoDak.edu>
Date: 8 Sep 90 03:02:16 GMT
References: <90Aug30.164300edt.57393@ugw.utcs.utoronto.ca> <7880272@hpfcdc.HP.COM> <209@ssc.UUCP>
Organization: North Dakota State University, Fargo
Lines: 27
Posted: Sat Sep 8 04:02:16 1990

In article <209@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:

>In article <7880272@hpfcdc.HP.COM>, brucet@hpfcdc.HP.COM (Bruce Thompson (greeley temp)) writes:
>>
>>
>> As an aside, does anyone have an easy way of putting radials under
>> the lawn (without a shovel)?
>>
>
>
>Try making a slit in the turf. I have heard of various tools being used
>for this, including an ax.
>...
>Tad Cook
>Seattle, WA

When I worked as a landscaper, we used a linoleum knife (one of the ones that is curved at the tip) for cutting sod to fit. You could use one to cut a 1-2 inch deep slit in the turf, then push the wire into the slit.

-Todd

```
--                                                          --=--+--=--
Todd Michael Bezenek                                            /
                                            Amateur      --=---+---=--
  Internet:  bezenek@plains.nodak.edu       Radio             /|
  UUCP:      uunet!plains!bezenek           Station   ---=---+---=---
  Bitnet:    bezenek@plains                 KO0N               |
```

From -2728761949415732502
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e01ad804cbec15cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-08 03:36:02 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!jle
From: jle@hpfcdc.HP.COM (Jer Eberhard)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TH-26 Modification needed
Message-ID: <7880275@hpfcdc.HP.COM>
Date: 7 Sep 90 19:35:30 GMT
References: <9009061141.AA29309@ucsd.edu>
Organization: HP Fort Collins, Co.
Lines: 15
Posted: Fri Sep 7 20:35:30 1990

Has someone had their neat wizzy toy apart yet.. have you done mods yet?

Can someone please post or E-Mail the necessary modifications for the ICOM 2-SAT that will enable it to go out of band on RX and TX ?

I have the RX mod already... RX is great over 138-174.

Does it really have a built in auto-dialer?

Yes, I know... standard disclaimers apply.

Jer/ Eberhard, (SLASH), HAM = N0FZD | Hewlett-Packard - MS99, 1UP10, 15' East
CAP SAR Pilot, COMM,INST,CFI-GLIDER | 3404 East Harmony Road (303) 229-2861
UUCP: hplabs!hpfcla!jle | Fort Collins, Colorado 80525-9599
ARPA: jle@hpfcla.fc.hp.com Jer_Eberhard@hpfcla.fc.hp.com

From 5946739389364509952
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae85f3ad1f2e0dca,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-08 03:36:12 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!jle
From: jle@hpfcdc.HP.COM (Jer Eberhard)
Newsgroups: rec.ham-radio
Subject: ICOM 2-SAT RX and TX mods requested
Message-ID: <7880276@hpfcdc.HP.COM>
Date: 7 Sep 90 19:37:36 GMT
Organization: HP Fort Collins, Co.
Lines: 17
Posted: Fri Sep 7 20:37:36 1990

Has someone had their neat wizzy toy apart yet.. have you done mods yet?

Can someone (everyone :-) please post or E-Mail the necessary modifications for the ICOM 2-SAT that will enable it to go out of band on RX and TX ?

I have the RX mod already... RX is great over 138-174.

Does it really have a built in auto-dialer?

Yes, I know... standard disclaimers apply. I won't, they won't and I never heard of you.

Jer/ Eberhard, (SLASH), HAM = N0FZD | Hewlett-Packard - MS99, 1UP10, 15' East
CAP SAR Pilot, COMM,INST,CFI-GLIDER | 3404 East Harmony Road (303) 229-2861
UUCP: hplabs!hpfcla!jle | Fort Collins, Colorado 80525-9599
ARPA: jle@hpfcla.fc.hp.com Jer_Eberhard@hpfcla.fc.hp.com

From -5277685319309425300
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8193eb8f2dd2477,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-08 03:36:54 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!plains!bezenek@plains.NoDak.edu
From: bezenek@plains.NoDak.edu (Todd M. Bezenek KO0N)
Newsgroups: rec.ham-radio

Subject: inverted vee impedance info needed
Message-ID: <5794@plains.NoDak.edu>
Date: 8 Sep 90 03:21:33 GMT
Organization: North Dakota State University, Fargo
Lines: 20
Posted: Sat Sep 8 04:21:33 1990

When the legs of a dipole are brought together from their standard 180 degree separation, the characteristic load impedance of the antenna decreases from about 75 ohms. I am looking for a chart which plots dipole-leg angle against the expected input impedance of the antenna.

If anyone has a reference that contains such a chart, please let me know what it is and what page it is on. Please email this one as I expect that it would not be too interesting for general net perusal.

Thank you,

Todd

```
--                                                          --=--+--=--
Todd Michael Bezenek                                            /
                                            Amateur      --=---+---=--
  Internet:  bezenek@plains.nodak.edu       Radio             /|
  UUCP:      uunet!plains!bezenek           Station   ---=----+---=---
  Bitnet:    bezenek@plains                 KO0N               |
```

From 5810441156741463748
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a42cf9344c7fe41a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-08 04:00:21 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9009080440.AA04824@blackbird.afit.af.mil>
Date: 8 Sep 90 04:40:36 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 459
Posted: Sat Sep 8 05:40:36 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #746 -
Alouette 1
1 00424U 62B-A  1 90247.36629825  .00000219  00000-0  25283-3 0  3396
2 00424  80.4611 208.0026 0024673  68.1692 292.2071 13.67382649393517
ATS 3
1 03029U 67111  A 90244.40451727 -.00000074  00000-0  99999-4 0  4085
2 03029  13.2976  20.5496 0015033 208.6822 151.3041  1.00272478 83557
Cosmos 398
1 04966U 71 16  A 90248.45162414  .00047716  17847-4  25271-3 0   762
2 04966  51.5346  35.5747 2230509 300.1071  39.6886 11.15390377600626
Starlette
1 07646U 75010  A 90248.25707598  .00000025  00000-0  67084-4 0   955
2 07646  49.8249 202.5400 0205971  95.7069 266.7356 13.82141150786859
LAGEOS
1 08820U 76039  A 90246.24767858  .00000003  00000-0  00000 0 0  1007
2 08820 109.8590  21.8482 0044663 221.6460 138.0625  6.38664437 78929
GPS-0001
1 10684U 78020  A 90248.71160575  .00000006  00000-0  99999-4 0  4913
2 10684  63.7329  87.0643 0120714 196.9123 162.7255  2.00555169 77460
GPS-0002
1 10893U 78 47  A 90241.21372590 -.00000024  00000-0  00000 0 0  2250
2 10893  64.3593 328.1568 0169568  25.3938 335.4714  2.00542175 90137
GOES 3
1 10953U 78062  A 90245.72292172  .00000102  00000-0  99999-4 0  9423
2 10953   7.1245  65.4887 0009648  81.2928 279.0299  1.00276454  5477
SeaSat 1
1 10967U 78064  A 90244.61409861  .00000984  00000-0  38232-3 0  3684
2 10967 108.0238 117.9273 0002514 228.3566 131.7401 14.35819639637429
GPS-0003
1 11054U 78093  A 90244.48313100 -.00000023  00000-0  00000 0 0  2568
2 11054  63.8752 324.3066 0060336 119.5356 241.1331  2.00568119 87211
Nimbus 7
1 11080U 78098  A 90246.63717476  .00000148  00000-0  16261-3 0  6904
2 11080  99.1824 149.7538 0008251 232.8113 127.2288 13.83454384598889
GPS-0004
1 11141U 78112  A 90245.58480331  .00000006  00000-0  00000 0 0  4269
2 11141  63.7456  87.0349 0058582 316.0837  43.5431  2.00553787 85930
GPS-0005
1 11690U 80 11  A 90247.22198341  .00000007  00000-0  00000 0 0    86
2 11690  64.2419  89.1457 0118569 202.7323 156.8495  2.00554217 91822
GPS-0006
1 11783U 80 32  A 90245.53388079 -.00000023  00000-0  00000 0 0  1959
2 11783  63.6739 323.8105 0150634  60.5673 300.9906  2.00559773 75876
GOES 5
1 12472U 81049  A 90245.53530872 -.00000086  00000-0  99999-4 0  9681
2 12472   3.6424  73.6486 0001086 122.4179 239.0389  1.00206892 33000
DE 1
1 12624U 81 70  A 90246.97538323  .00000435  00000-0  17883-2 0  5146
2 12624  88.9751 147.1467 6214285 256.0424  31.6805  3.51018760264956
SME
1 12887U 81100  A 90247.61423707  .00037101  00000-0  51241-3 0  8096
2 12887  97.6258 300.1878 0002356 103.5168 256.6349 15.57082402493603
Salyut 7
```

```
1 13138U 82 33  A 90248.72318842  .00048706  00000-0  38510-3 0  4844
2 13138  51.5986 254.5411 0001817  67.0187 293.0979 15.70856366477486
Cosmos 1383
1 13301U 82 66  A 90249.00605284  .00000138  00000-0  15074-3 0  5942
2 13301  82.9269 241.5320 0026520 301.3703  58.4846 13.67844354408726
LandSat 4
1 13367U 82 72  A 90248.26499019 -.00000442  00000-0 -93023-4 0  4372
2 13367  98.1584 309.1921 0002572 245.1290 114.9642 14.57128758432960
IRAS
1 13777U 83  4  A 90248.67700451  .00000054  00000-0  49377-4 0  8041
2 13777  99.0216  84.2185 0013053 160.5497 199.6166 13.98808675 58192
Cosmos 1447
1 13916U 83 21  A 90247.05756375  .00000146  00000-0  14226-3 0  7407
2 13916  82.9481 313.7579 0036867 281.9202  77.7817 13.74058900373505
TDRS 1
1 13969U 83 26  B 90247.70251746  .00000128  00000-0  99999-4 0   813
2 13969   4.6655  65.1982 0002431 117.9858 242.3877  1.00272271   135
GOES 6
1 14050U 83 41  A 90245.64449595  .00000119  00000-0  99999-4 0  2434
2 14050   2.4202  77.2979 0002918  18.9959 341.5315  1.00265754   567
OSCAR 10
1 14129U 83 58  B 90238.61357863 -.00000014  00000-0  00000 0 0  5476
2 14129  26.0406 187.8479 5952609 170.7338 209.0516  2.05880945 26187
GPS-0008
1 14189U 83 72  A 90246.00474517  .00000005  00000-0  99999-4 0  8243
2 14189  63.3953  85.4344 0147996 219.4091 139.5915  2.00701377 52326
LandSat 5
1 14780U 84 21  A 90249.25489837 -.00000021  00000-0  20032-6 0  3019
2 14780  98.1987 308.0888 0001483  32.0951 328.0338 14.57119284346524
UoSat 2
1 14781U 84 21  B 90248.58465124  .00001795  00000-0  33854-3 0  7765
2 14781  97.9445 298.4935 0012840 357.8666   2.2471 14.65634608347741
GPS-0009
1 15039U 84 59  A 90248.14128133  .00000005  00000-0  00000 0 0   300
2 15039  63.1554  84.5157 0022902 227.4612 132.3175  2.00611272 45645
Cosmos 1574
1 15055U 84 62  A 90246.74292556  .00000153  00000-0  15226-3 0  9412
2 15055  82.9558   4.3902 0028824 102.3436 258.0953 13.73374033310859
GPS-0010
1 15271U 84 97  A 90245.58141646 -.00000024  00000-0  00000 0 0  8938
2 15271  63.1723 323.3297 0106770 327.6397  31.7796  2.00558804 42705
Cosmos 1602
1 15331U 84105  A 90247.60854916  .00001496  00000-0  20082-3 0  3508
2 15331  82.5363 287.2875 0024907  73.5033 286.8909 14.78514656319826
NOAA 9
1 15427U 84123  A 90247.24002597  .00000530  00000-0  30750-3 0  6216
2 15427  99.1723 248.9243 0015720 144.1460 216.0760 14.12656946295146
Cosmos 1686
1 16095U 85 86  A 90246.62365070  .00114541  00000-0  89651-3 0  7433
2 16095  51.5910 265.2653 0003618 275.9051  83.9743 15.70734357278250
GPS-0011
1 16129U 85 93  A 90245.79006730  .00000006  00000-0  00000 0 0  5694
2 16129  63.9137  85.6465 0125617 148.3171 212.5627  2.00509906 35915
```

```
Mir
1 16609U 86 17  A 90248.72344750  .00021031  00000-0  24759-3 0  9109
2 16609  51.6125 283.8097 0023995 342.2417  17.7736 15.61017685260696
SPOT 1
1 16613U 86 19  A 90246.63683251  .00000368  00000-0  19023-3 0   970
2 16613  98.7289 320.0426 0000712  29.2877 330.8322 14.20010504 75060
Cosmos 1766
1 16881U 86 55  A 90248.71647798  .00003798  00000-0  52156-3 0  1373
2 16881  82.5232 345.2166 0023335  82.4070 277.9792 14.77982478221041
EGP
1 16908U 86 61  A 90236.42823778 -.00000068  00000-0 -20675-3 0  2426
2 16908  50.0089  46.2006 0010762  10.6717 349.4344 12.44388186183350
NOAA 10
1 16969U 86 73  A 90243.40601972  .00000683  00000-0  31548-3 0  4639
2 16969  98.5965 269.6586 0014614  53.4264 306.8260 14.23709955205318
MOS-1
1 17527U 87 18  A 90248.05003554  .00000188  00000-0  16578-3 0  6614
2 17527  99.1038 319.5586 0000553 100.6702 259.4959 13.94891454180392
GOES 7
1 17561U 87 22  A 90241.33497645 -.00000108  00000-0  99999-4 0  5845
2 17561   0.0706 319.6402 0019345 103.0843 297.4707  1.00274265  6178
Kvant-1
1 17845U 87 30  A 90246.61091689  .00041313  00000-0  46687-3 0  2432
2 17845  51.6108 294.4569 0025760 325.9507  33.9453 15.61630414260363
DMSP B5D2-3
1 18123U 87 53  A 90248.29204202  .00000001  00000-0  99999-5 0  6934
2 18123  98.8159  77.8206 0015166 152.1481 208.0526 14.14126289165720
RS-10/11
1 18129U 87 54  A 90248.01674093  .00000212  00000-0  22195-3 0  3102
2 18129  82.9217 269.5464 0010380 255.9239 104.0775 13.72106928160397
Meteor 2-16
1 18312U 87 68  A 90248.44941878  .00000219  00000-0  18868-3 0  4881
2 18312  82.5456 226.6566 0014976  28.2080 331.9887 13.83671583154089
Meteor 2-17
1 18820U 88  5  A 90243.87015611  .00000234  00000-0  19984-3 0  3534
2 18820  82.5444 290.2998 0018108 110.0006 250.3106 13.84368061130655
DMSP B5D2-4
1 18822U 88  6  A 90248.30361441  .00000692  00000-0  33300-3 0  6286
2 18822  98.6349 125.6356 0007571  44.4445 315.7338 14.21538664134205
Glonass 34
1 19163U 88 43  A 90247.45116347  .00000020  00000-0  99999-3 0  9491
2 19163  64.9169 156.4339 0006941 192.6738 167.3476  2.13102582 17831
Glonass 36
1 19165U 88 43  C 90247.50827841  .00000020  00000-0  99999-4 0  9601
2 19165  64.9037 156.4325 0004249 330.9091  29.1113  2.13102831 17830
AO-13
1 19216U 88 51  B 90233.10507939  .00000146  00000-0  99999-4 0  1444
2 19216  56.9230 139.8507 7012370 234.0055  39.5251  2.09695679 16766
OKEAN 1
1 19274U 88 56  A 90245.82797891  .00001283  00000-0  17722-3 0  9403
2 19274  82.5138  86.5734 0020778 226.8476 133.1714 14.77282695116384
Meteor 3-2
1 19336U 88 64  A 90246.44585206  .00000392  00000-0  99999-3 0  5711
```

```
2 19336  82.5433 222.0444 0019030 116.6918 243.6133 13.16903609101251
Glonass 39
1 19503U 88 85  C 90247.99710165 -.00000016  00000-0  99999-4 0  8443
2 19503  65.3408  35.9397 0006168 177.6626 182.3440  2.13103690 15337
NOAA 11
1 19531U 88 89  A 90248.25933199  .00000743  00000-0  42806-3 0  3458
2 19531  98.9878 196.6780 0013072  61.2501 298.9986 14.11698208100265
TDRS 2
1 19548U 88 91  B 90246.53322751  .00000113  00000-0  99999-4 0  1493
2 19548   0.3048  83.3621 0002589  84.6918 191.9853  1.00265994  1055
Glonass 40
1 19749U 89  1  A 90248.03799615  .00000020  00000-0  99999-4 0  6832
2 19749  64.8514 156.0927 0006378 275.8079  84.1671  2.13102242 12863
Glonass 41
1 19750U 89  1  B 90247.62700592  .00000020  00000-0  99999-4 0  6856
2 19750  64.8756 156.1238 0006166 254.3986 105.5787  2.13102551 12851
Cosmos 2001
1 19796U 89 11  A 90247.94381191 -.00000997  00000-0  99999-4 0  6249
2 19796  63.4483  82.9188 7054756 319.8453   5.2714  2.00635444 11408
GPS BII-01
1 19802U 89 13  A 90233.24152199  .00000016  00000-0  99999-4 0  1540
2 19802  55.0484 194.8560 0052488 166.0565 194.0528  2.00648564 11058
Akebono
1 19822U 89 16  A 90248.27840511  .00020371  00000-0  12042-2 0  7337
2 19822  75.0858 199.5306 4166389 170.6217 200.7113  7.14096272  5547
Meteor 2-18
1 19851U 89 18  A 90249.06698872 -.00000122  00000-0 -11520-3 0  3061
2 19851  82.5297 164.0311 0014997 132.0536 228.2043 13.83997909 76759
TDRS 3
1 19883U 89 21  B 90236.19135759 -.00000235  00000-0  99999-4 0  1519
2 19883   0.3174  85.5572 0002296  92.9535 181.4853  1.00279686 75630
GPS BII-02
1 20061U 89 44  A 90237.99762658 -.00000033  00000-0  00000 0 0  1489
2 20061  54.8515  12.9713 0089191 176.5997 183.4680  2.00483177  8891
Nadezhda 1
1 20103U 89 50  A 90246.62333336  .00000141  00000-0  13897-3 0  2011
2 20103  82.9568 227.1659 0037154 177.8426 182.2904 13.73608542 58483
GPS BII-03
1 20185U 89 64  A 90229.90947546  .00000016  00000-0  99999-4 0  1380
2 20185  54.9326 195.8217 0023252 160.9399 199.1206  2.00623024  7308
Activnyi
1 20261U 89 80  A 90248.79480369 -.00000107  00000-0 -36103-4 0  7057
2 20261  82.5994 177.3888 1257587 156.1296 210.3713 12.43874004 42610
Activnyi RB
1 20262U 89 80  C 90247.26942662  .00000545  00000-0  16714-3 0  2805
2 20262  82.5973 178.4512 1261162 159.9467 205.6148 12.43262545 42428
Magion 2
1 20281U 89 80  B 90248.74647839  .00001107  00000-0  34240-3 0  7048
2 20281  82.5988 177.3121 1257175 156.0165 210.5060 12.44158223 42618
GPS BII-04
1 20302U 89 85  A 90233.78841113 -.00000027  00000-0  99999-4 0  1392
2 20302  54.5872 314.3891 0034316 318.7813  41.0133  2.00369101  6186
Meteor 3-3
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1 20305U 89 86  A 90246.83938007 -.00000043  00000-0 -12740-3 0  2102
2 20305  82.5564 162.5367 0017436 128.9419 231.3248 13.15862065 41293
COBE
1 20322U 89 89  A 90249.09126991  .00002569  00000-0  16821-2 0  1628
2 20322  99.0231 258.5337 0009065 139.8962 220.2880 14.02810479 40839
Kvant-2
1 20335U 89 93  A 90246.73890523  .00020281  00000-0  23309-3 0  3650
2 20335  51.6100 293.8167 0025850 330.6617  29.2111 15.61612556 44046
GPS BII-05
1 20361U 89 97  A 90221.97664954  .00000015  00000-0  99999-4 0   906
2 20361  54.9826 138.2198 0063606  49.6575 310.9235  2.00582513  4808
SPOT 2
1 20436U 90  5  A 90246.67226707  .00000583  00000-0  29132-3 0  3492
2 20436  98.7302 320.1396 0000937 101.3407 258.7846 14.20032786 31888
UO-14
1 20437U 90  5  B 90247.73613164  .00000625  00000-0  26437-3 0  2039
2 20437  98.6920 323.5953 0010783 285.7121  74.2846 14.28702551 32222
UO-15
1 20438U 90  5  C 90247.07431406  .00000378  00000-0  16704-3 0  1179
2 20438  98.6977 322.9056 0009676 288.0606  71.9506 14.28422772 32125
PACSAT
1 20439U 90  5  D 90244.42881742  .00000624  00000-0  26369-3 0  1057
2 20439  98.6999 320.4480 0010735 295.6429  64.3635 14.28801476 31758
DO-17
1 20440U 90  5  E 90244.42236293  .00000666  00000-0  28008-3 0  1142
2 20440  98.7005 320.4573 0011018 296.3190  63.6848 14.28851493 31752
WO-18
1 20441U 90  5  F 90244.68652978  .00000612  00000-0  25776-3 0  1086
2 20441  98.7001 320.7491 0011535 295.1838  64.8146 14.28943119 31796
LO-19
1 20442U 90  5  G 90243.62556929  .00000600  00000-0  25287-3 0  1106
2 20442  98.7011 319.7147 0011883 298.9505  61.0485 14.29011597 31648
GPS BII-06
1 20452U 90  8  A 90231.96552739  .00000002  00000-0  99999-4 0   858
2 20452  54.5203 253.3822 0028572  40.8909 319.3724  2.00872044  4126
MOS-1B
1 20478U 90 13  A 90248.15098686  .00000132  00000-0  12367-3 0  4072
2 20478  99.1859 318.0132 0000900 129.0128 231.0949 13.94853941 29280
DEBUT
1 20479U 90 13  B 90248.08813991  .00000021  00000-0  76705-4 0  1047
2 20479  99.0305 279.4915 0540542 227.5653 127.8520 12.83144092 26992
FO-20
1 20480U 90 13  C 90237.47999198  .00000011  00000-0  52704-4 0  1024
2 20480  99.0343 270.8937 0540177 251.6210 102.5464 12.83159072 25637
MOS-1B R/B
1 20491U 90 13  D 90247.08204678  .00000402  00000-0  80569-3 0  1142
2 20491  99.0348 284.5697 0470531 206.2614 151.3902 13.02751749 26674
LACE
1 20496U 90 15  A 90248.38667233  .00006234  00000-0  37385-3 0  2286
2 20496  43.0966 241.8646 0013856 135.0850 225.1003 15.11501549 30656
RME
1 20497U 90 15  B 90248.23776222  .00014456  00000-0  38543-3 0  2394
2 20497  43.1135 199.6292 0016374 151.9465 208.2193 15.37866061 31159
```

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Nadezhda 2
1 20508U 90 17  A 90246.26509318  .00000193  00000-0  19505-3 0  1681
2 20508  82.9582   2.3319 0045475 127.0590 233.4738 13.73229592 25727
OKEAN 2
1 20510U 90 18  A 90246.84420292  .00002173  00000-0  33112-3 0  2740
2 20510  82.5252  25.2673 0020555  23.4120 336.7949 14.73409715 27650
INTELSAT-6
1 20523U 90 21  A 90247.99473421  .00002304  00000-0  15542-3 0  2885
2 20523  28.3427 100.5671 0015323 312.3067  47.6129 15.02628812 26468
GPS BII-07
1 20533U 90 25  A 90235.22171003 -.00000033  00000-0  00000 0 0   621
2 20533  55.1112  13.2388 0036349 103.5071 256.9366  2.00552057  2945
PegSat
1 20546U 90 28  A 90248.23577808  .00071134  00000-0  42948-2 0  2122
2 20546  94.1111 257.6280 0149177  44.9707 316.3433 15.01511688 22841
HST
1 20580U 90 37  B 90248.90482313 -.00080583  00000-0 -95229-2 0  2007
2 20580  28.4707  95.9330 0006149 243.4134 116.5621 14.84834012 19989
Glonass 44
1 20619U 90 45  A 90247.93928715 -.00000016  00000-0  99999-4 0  1384
2 20619  64.9331  36.2346 0022726 209.3596 150.5166  2.13103246  2326
Glonass 45
1 20620U 90 45  B 90248.05714010 -.00000016  00000-0  99999-4 0  1460
2 20620  64.9208  36.2511 0007854  46.5579 313.5013  2.13103115  2330
Glonass 46
1 20621U 90 45  C 90247.64634038 -.00000016  00000-0  99999-4 0  1163
2 20621  64.9470  36.2516 0013601 196.5860 163.3765  2.13103151  2327
Kristall
1 20635U 90 48  A 90246.54692434  .00041291  00000-0  46687-3 0  1415
2 20635  51.6130 294.7810 0025576 325.2543  34.6504 15.61623291 14894
Meteor 2-19
1 20670U 90 57  A 90243.41969962  .00000109  00000-0  92944-4 0   498
2 20670  82.5422 228.9395 0017832  77.0314 283.2836 13.83846103  8929
BADR-1
1 20685U 90 59  A 90248.53120415  .00227831 -76439-5  44724-3 0   632
2 20685  28.4982 326.3886 0467875 317.3975  39.1627 15.14230368  7754
Soyuz TM-10
1 20722U 90 67  A 90248.01871681  .00040256  00000-0  46687-3 0   464
2 20722  51.6102 287.3657 0025105 338.3923  18.6610 15.60995180  5429
GPS BII-08
1 20724U 90 68  A 90241.05408732  .00000016  00000-0  99999-4 0   114
2 20724  54.7000 193.3064 0094536 116.9515 244.0084  2.00550576   501
Cosmos 2091
1 20736U 90 70  B 90246.79584812  .00000004  00000-0  00000 0 0   229
2 20736  82.5765  30.0963 0000434 186.1914 173.9173 12.62225336  3360
Cosmos 2092
1 20737U 90 70  C 90246.77953136  .00000022  00000-0  99999-4 0   182
2 20737  82.5691  30.0565 0003674 307.4698  52.6059 12.63000216  3368
Cosmos 2093
1 20738U 90 70  D 90246.84235833  .00000023  00000-0  99999-4 0   189
2 20738  82.5722  30.0085 0008229 308.8668  51.1689 12.63777519  3375
Cosmos 2094
1 20739U 90 70  E 90246.82898487  .00000023  00000-0  99999-4 0   166
```

```
2 20739  82.5743  29.9994 0011150 320.8003  39.2281 12.64413631  3377
Cosmos 2095
1 20740U 90 70  F 90246.80022154  .00000023  00000-0  99999-4 0   177
2 20740  82.5711  29.9673 0018511 314.5516  45.4066 12.65780786  3374
1990 070G
1 20741U 90 70  G 90235.22255088  .00000020  00000-0  99999-4 0    83
2 20741  82.5722  37.5907 0035662 171.0739 189.0989 12.55612850  1890
Molniya1-78
1 20742U 90 71  A 90247.94520657  .00000116  00000-0  99999-4 0   394
2 20742  62.8321 210.0592 7344750 288.1064   9.5169  2.00618996   514
1990 071B
1 20743U 90 71  B 90248.04275758  .01803185  39273-4  11695-2 0   500
2 20743  62.8046 118.4289 0121086 127.1903 234.1590 16.02534016  3957
1990 071D
1 20745U 90 71  D 90247.83067200  .00000043  00000-0 -62982-4 0   285
2 20745  62.8418 210.0545 7383352 288.0819   9.3029  1.96527654   517
1990 038D
1 20746U 90 38  D 90248.04124334  .00295128  00000-0  81214-2 0   315
2 20746  73.9794 136.5148 0014186  22.9847 337.4575 15.35810901 20278
1990 038E
1 20747U 90 38  E 90248.00707508  .00335047  00000-0  83550-2 0   288
2 20747  74.0452 136.6643 0009482  50.6102 309.5662 15.38758069 20274
1990 038F
1 20748U 90 38  F 90247.99952582  .00633889  00000-0  94767-2 0   333
2 20748  74.0525 136.0294 0020933 145.8214 214.5651 15.52507888 20299
1990 038G
1 20749U 90 38  G 90248.03912489  .00521472  00000-0  91817-2 0   294
2 20749  73.9873 135.8906 0014992 134.4868 225.7109 15.48359766 20295
1990 038H
1 20750U 90 38  H 90247.75502796  .00431110  00000-0  88663-2 0   261
2 20750  74.0879 137.0882 0011172 114.1077 246.2823 15.44195189 20245
1990 038J
1 20751U 90 38  J 90248.03696608  .00371712  00000-0  83512-2 0   326
2 20751  73.9445 136.0520 0008108 100.4547 259.9830 15.41800434 20282
Progress M4
1 20752U 90 72  A 90246.54687886  .00031380  00000-0  35678-3 0   276
2 20752  51.6130 294.7822 0025695 326.7719  32.8655 15.61616092  3043
1990 043L
1 20759U 90 43  L 90248.07383944  .00010142  00000-0  15958-2 0   225
2 20759  89.6619 190.2214 0058215 268.2278  91.2255 14.71306162  6415
BSB-R2
1 20762U 90 74  A 90241.20226417 -.00000255  00000-0  99999-4 0    68
2 20762   0.3547 250.8801 0017120  90.4647  18.5913  1.00266680   100
1990 074B
1 20763U 90 74  B 90231.14987130  .00005555  00000-0  79711-3 0   254
2 20763  24.7590 143.6795 0572397 116.6197 249.4094 14.00727792   153
1990 074C
1 20764U 90 74  C 90246.57850647  .00000206  00000-0  19220-2 0    76
2 20764  20.7348 149.3619 7293134 189.2738 140.5250  2.14074305   367
Cosmos 2096
1 20765U 90 75  A 90248.62195939  .00019971  00000-0  33210-3 0   303
2 20765  65.0211 207.1354 0009851 268.6223  91.2350 15.52064478  2016
1990 076A
```

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1 20767U 90 76  A 90247.31782178 -.00001095  00000-0  99999-4 0   124
2 20767  62.8986  42.4114 7367539 318.2822   4.5264  2.00563135   157
1990 076B
1 20768U 90 76  B 90247.75035799  .00656986  10389-4  11498-2 0   230
2 20768  62.7691  16.2681 0247211 120.2155 242.4239 15.64801374  1177
1990 076C
1 20769U 90 76  C 90247.82282224  .02075188  37999-4  10328-2 0   234
2 20769  62.8149  15.4302 0216322 122.1641 240.2341 15.85622084  1181
1990 076D
1 20770U 90 76  D 90247.25855221  .00000617  00000-0  99999-4 0    51
2 20770  62.8711  42.3968 7346753 318.3227   4.5900  2.03402285   178
1990 077A
1 20771U 90 77  A 90247.71394539 -.00000074  00000-0  99999-4 0    96
2 20771   0.2567 250.9460 0261362  78.0187  29.5258  0.98200500    23
1990 077B
1 20772U 90 77  B 90248.16341141  .11027001 -21264-4  55322-3 0   235
2 20772  30.6519  88.8686 0066678 269.6296  89.7629 16.32252875  1262
1990 077C
1 20773U 90 77  C 90246.70878487  .00053530  23512-4  44509-2 0    68
2 20773  28.7142 144.6321 7419460 182.9713 166.5811  2.13632778   140
1990 078A
1 20774U 90 78  A 90248.37967319  .00015036  00000-0  14963-2 0   140
2 20774  82.9588 235.6373 1044804 110.5944 260.5503 13.19608026  1004
1990 078B
1 20775U 90 78  B 90246.47634020 -.00004205  00000-0 -38277-3 0   110
2 20775  82.9666 236.9293 1048363 114.6408 256.7504 13.21319840   778
1990 079A
1 20776U 90 79  A 90248.18370868 -.00000126  00000-0  99999-4 0    81
2 20776   4.4124 294.3493 0137913 204.4524 154.9074  1.02051642    32
1990 079B
1 20777U 90 79  B 90246.11783012 -.00000043  00000-0  99999-4 0    68
2 20777   0.2574 148.3911 0599953 167.0429  39.9057  1.08973722    12
1990 079C
1 20778U 90 79  C 90245.38424910  .00054611  00000-0  56773-2 0    55
2 20778   7.0301 133.7902 7305653 180.0604 183.1522  2.27229431    59
1990 080A
1 20779U 90 80  A 90248.65240655  .00050404  43167-7  10045-3 0   162
2 20779  82.3213 119.5742 0080344  55.2895 305.6007 15.93854822   859
1990 079D
1 20781U 90 79  D 90247.10806468  .00101452  00000-0  14512-1 0    97
2 20781   6.9714 133.2295 7286046 181.4307 174.3351  2.29041730    90
1990 073C
1 20782U 90 73  C 90247.11124841  .00330544  50448-4  43151-3 0    62
2 20782  82.3394 118.1981 0011335 243.3205 116.8549 16.06834150  3002
1990 073D
1 20783U 90 73  D 90247.60557953  .02723590  56724-2  74887-2 0   127
2 20783  82.3337 117.7847 0110031 300.3709  58.7029 15.85845585  3087
1990 073E
1 20784U 90 73  E 90247.27889358  .04797998 -53634-5  13251-2 0   100
2 20784  82.3362 117.9602 0020803 248.6144 113.5344 16.27329304  3039
1990 073F
1 20785U 90 73  F 90246.59903569  .11737951 -58463-5  18177-2 0    69
2 20785  82.3308 118.7309 0008302 311.9657  51.4010 16.34010820  2921
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1990 073G
1 20786U 90 73  G 90247.10322013  .20754009 -55074-5  13339-1 0   137
2 20786  82.3358 118.3598 0102208 304.2236  66.2512 16.06530284  3002
1990 073H
1 20787U 90 73  H 90246.10086747  .13390278 -54855-5  19723-2 0    55
2 20787  82.3104 119.3046 0015443 224.4665 137.9461 16.34181731  2844
1990 081A
1 20788U 90 81  A 90248.01219458 -.00039041  00000-0 -26295-1 0    81
2 20788  98.9366 282.6763 0010509 280.5024  79.5145 14.01197318   273
1990 081B
1 20789U 90 81  B 90248.01320595 -.00025413  00000-0 -17264-1 0    69
2 20789  98.9372 282.6737 0010104 260.1569  99.6821 14.00449633   274
1990 081C
1 20790U 90 81  C 90248.01164949  .00001437  00000-0  97044-3 0    64
2 20790  98.9396 282.6761 0012805 284.1982  75.8758 14.01642320   278
1990 081D
1 20791U 90 81  D 90248.22610143  .00020519  00000-0  13547-1 0   101
2 20791  98.9428 282.8877 0013589 282.1823  77.7579 14.01491665   307
1990 081E
1 20792U 90 81  E 90247.44003105  .00009062  00000-0  59416-2 0    37
2 20792  98.9435 282.1176 0014390 295.2473  64.7028 14.02099295   194
1990 081F
1 20793U 90 81  F 90248.01185436 -.00000017  00000-0  00000 0 0    34
2 20793  98.9383 282.6755 0012868 282.1350  77.8449 14.01420158   278
```

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Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

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```
From -5109849487096348682
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7528dc6e943b75fd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-08 04:22:24 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!
portal!cup.portal.com!Jeepster
From: Jeepster@cup.portal.com (John L Ferguson)
Newsgroups: rec.ham-radio
Subject: Kenwood R-5000 vs TS-440s
Message-ID: <33642@cup.portal.com>
Date: 8 Sep 90 01:54:43 GMT
References: <0VX5o2w162w@edif.sps.mot.com>
Organization: The Portal System (TM)
Lines: 12
Posted: Sat Sep  8 02:54:43 1990
```

This has been driving me batty for months...

A few months ago I traded in my Kenwood R-5000 receiver for a TS-440s transceiver. Once I connected it up to my antenna, I noticed that it was showing about 2 S-units less than the R-5000 had.

Is there a way to tweak the meter on the TS-440? I hate giving RST reports of 509 and 519 when it is obvious that though the signal is somewhat weak, it is still coming in good.

73, John/KB0HBX

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From 8500796588660650399
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-08 05:38:57 PST
Path: gmdzi!unido!mcsun!uunet!lupine!hansen!phil
From: phil@hansen.Berkeley.EDU (Phil Graham)
Newsgroups: rec.ham-radio
Subject: Heatkit to be sold?
Keywords: Heathkit
Message-ID: <1475@lupine.NCD.COM>
Date: 7 Sep 90 15:49:56 GMT
Sender: news@NCD.COM
Reply-To: phil@hansen.Berkeley.EDU (Phil Graham)
Lines: 7
Posted: Fri Sep  7 16:49:56 1990
```

I just read in the San Jose Mercury News that the owner of Heathkit is looking for a buyer...

Oh Well, end of an era.... Unless any of you have a few bucks to spare

Phil
KJ6NN

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From 5578287293582695217
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9af3375bb1c63cb8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-08 05:54:47 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!pacbell.com!pacbell!att!cbnewse!parnass
From: parnass@cbnewse.att.com (Bob Parnass, AJ9S)
Newsgroups: rec.ham-radio
Subject: Re: Radials without a shovel
Summary: sheet aluminum ground screen
Message-ID: <1990Sep8.002650.29467@cbnewse.att.com>
Date: 8 Sep 90 00:26:50 GMT
References: <9009062146.AA03571@tilde>
Organization: AT&T Bell Laboratories, Naperville, IL
Lines: 27
Posted: Sat Sep  8 01:26:50 1990
```

In article <9009062146.AA03571@tilde>, dube@cpdvax.csc.ti.com writes:

> Bruce Thompson, WB0QWS asks: "...does anyone have an easy way of putting
> radials under the lawn (without a shovel)?

Dreading the thought of burying radials, I went searching for material to build a ground screen for my 20/15/10 meter trap vertical antenna. Wire mesh cost more money than I wanted to spend, so I found a big piece of scrap sheet aluminum in my barn and put it at the base of my antenna. It is an irregularly shaped sheet, about 4 by 5 feet. A few cinderblocks weigh it down so the wind doesn't blow it away.

I made use of some heavy wire to connect the sheet metal to my ground rod and antenna mounting bracket.

Lacking quantitative measurements, I'm pleased with the setup. Originally, my vertical had no radials or ground screen, and I did notice an improvement after installing the sheet metal.

This was supposed to be a "temporary" installation, just to "get through the winter," but it's worked fine for 2-1/2 years.

I suspect the ground conductivity is pretty good here during spring and fall due to lots of moisture in the rich soil.

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============================================================================
Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihlpy!parnass (708)979-5414
```

```
From 5749385428524909107
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d04ae5484a8f6a7a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-08 06:11:40 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
decwrl!public!rah
From: rah@public.BTR.COM (Richard A Hyde  rah@btr.com)
Newsgroups: rec.ham-radio
Subject: marine/aviation/2m ham HT
Message-ID: <370@public.BTR.COM>
Date: 8 Sep 90 06:05:37 GMT
Organization: BTR Public Access UNIX, MtnView CA, Contact: cs@btr.com 415-966-1429
Lines: 16
Posted: Sat Sep  8 07:05:37 1990
```

Getting closer to 5wpm and closer to purchasing a rig...

I am a private pilot SEL, and a (still) aspiring ham. I can justify the cost of a 2m HT MUCH more easily if it would also provide me with emergency communications while in the plane.

I've scanned the mods collections and can't find anything that would give both TX and RD from 108MHz -> 2m ham. I've heard rumors that Sony makes a special order rig, and that some company named AOL (?) also has a 2m/ aviation HT. Alas, I've been unable to run any of this to ground, so I'll make my appeal to the net. Are their any aviating Elmers out there?

Thank you!

-Rick-

From 8874935335555560679
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f28f6e60684e095f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-08 06:15:43 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!mailrus!
accuvax.nwu.edu!anaxagoras!ils.nwu.edu!aieta
From: aieta@ils.nwu.edu (Michael Aieta)
Newsgroups: rec.ham-radio
Subject: Chicago area Ham Club?
Message-ID: <1673@anaxagoras.ils.nwu.edu>
Date: 7 Sep 90 17:37:07 GMT
Sender: news@anaxagoras.ils.nwu.edu
Reply-To: aieta@ils.nwu.edu (Michael Aieta)
Organization: The Institute for the Learning Sciences
Lines: 15
Posted: Fri Sep 7 18:37:07 1990

I am looking for a Ham Radio Operators Club or Organization
within the city of Chicago to help me identify the source of
some RF interference I am receiving in my home Public Address
System. The source of the interference is strictly Pakistani sounding
cab drivers and I have seen many with huge antennas and been told that
they often run illegal power boosters.

Have any of you Chicago Ham Ops heard this?
Do you know what frequencies they are using?
Can they do this with 'legal' equipment?
Is there anything a Ham Operator can do to help me and the FCC
confiscate these pirate's gear?
Anybody speak Pakistani?

Thanks in advance.

From 4799631488017580406
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2067e2904d6974e3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-08 06:37:59 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!hplabs!
hpda!hpcupt1!hprnd!jblake
From: jblake@hprnd.HP.COM (John Blake)
Newsgroups: rec.ham-radio
Subject: Re: ABUSE OF HAM RADIO ETHICS IN talk.politics.mideast
Message-ID: <1140039@hprnd.HP.COM>

Date: 7 Sep 90 18:05:57 GMT
References: <35@inews.intel.com>
Organization: HP Roseville Networks Division
Lines: 18
Posted: Fri Sep 7 19:05:57 1990

/ hprnd:rec.ham-radio / fergie@megrez.intel.com / 7:45 am Sep 6, 1990 /

> The following is a posting I made on talk.politics.mideast.
> This is in response to an obvious racist!
> I do not think that ham radio should be used as a front
> for some racist group. Ham radio should be used to
> unite people.. not build walls between people.
> **

Pardon me, I must have missed something. Perhaps someone could explain what this is all about?

****
John Blake   Email: jblake@hprnd.hp.com

"The opinions expressed on this program are those of the participants and guests, and do not necessarily reflect those of this station, its management, or sponsors."
****

From 4817813930720010279
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,241127a2141a1651,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-08 06:38:05 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpda!hpcupt1!hprnd!billt
From: billt@hprnd.HP.COM (Bill Thomas)
Newsgroups: rec.ham-radio
Subject: Waving antenae?
Message-ID: <1140038@hprnd.HP.COM>
Date: 7 Sep 90 16:17:46 GMT
Organization: HP Roseville Networks Division
Lines: 10
Posted: Fri Sep 7 17:17:46 1990

/ hprnd:rec.humor / phd_6p@gsbacd.uchicago.edu / 7:58 pm Sep 1, 1990 /

I recently bought an electronic bug detector that had been made in Japan. The instructions were a little terse including one on the box which read: "Warning : This device will interfere with all short waving antenae in the room".

Someone else has reported buying a Japanese made knife which had the following warning label attached:"Knife sharp. Keep away from children and other pets".

```
From 2846401839076833117
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,94931e181e0b02cd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-08 13:31:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!tut.cis.ohio-state.edu!uoft02.utoledo.edu!grx0644
From: grx0644@uoft02.utoledo.edu (Tony Schliesser)
Newsgroups: rec.ham-radio
Subject: ex
Message-ID: <1990Sep8.015542.1611@uoft02.utoledo.edu>
Date: 8 Sep 90 06:55:42 GMT
Organization: University of Toledo -- College of Pharmacy
Lines: 29
Posted: Sat Sep  8 07:55:42 1990
```

I am putting the finishing touches on a basic program written for the c128 in 80 col. that manages the memory of the realistic pro-2005. I realize that the demand for such a program with this type of computer is limited, but I serves me just fine. This program has lots of room for more features, as I see them needed. If you want a copy, mail me directly as I can not keep up with this group. The program is shareware and the fee is $20 US. dollars, and as always, any monitary controbutions are accepted. Here is a list of hardware requirements:

C128, 80col, disk drive (1541,1571 -- 81, I have no idea as I doo not own one), and a printer is optional but recomended (serial only).

Anyone interested?

Tony
--

```
+-------------------------------------------------------+------------+
|  |\/\/\/|                                            | This ******|
|  |      |   "Hey Dude, Don't have a cow!"            |************|
|  | (o)(o)                 - Bart                     |** Space ***|
|  |     _)                                            |* Is *******|
|  | ,___| -------------------------------------------+-----+ For *|
|  |   /      InterNet: Grx0644@uoft02.utoledo.edu           |******|
| /____\      BitNet  : Grx0644@uoft02.BitNet                | Rent |
+-------------------------------------------------------------+------+
|        "Are you suggesting that coconuts migrate?"                 |
|                                    -- Monty Python  |
+--------------------------------------------------------------------+
```

```
From -4923390581657715033
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2617af5bd446b82
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-08 13:32:26 PST
```

Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: ICOM IC-735
Message-ID: <1308@ke4zv.UUCP>
Date: 8 Sep 90 13:09:05 GMT
References: <246@eliza.edvvie.at> <1302@ke4zv.UUCP> <1462@lupine.NCD.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 70
Posted: Sat Sep 8 14:09:05 1990

In article <1462@lupine.NCD.COM> phil@hansen.Berkeley.EDU (Phil Graham) writes:
>In article <1302@ke4zv.UUCP>, gary@ke4zv.UUCP (Gary Coffman) writes:
>
>|> I recently traded my IC 745 in on a new IC 735 and I am delighted. The
>|> receiver is great. The controls work intuitively. The transmitter is
>|> clean. It's small enough to take mobile or portable, yet the controls
>|> aren't cramped or difficult to use. It still has the transverter jacks
>|> on the back and has optional narrow filters and passband tuning. Short
>|> of the megabuck IC 781 or TS 950 you won't find a better rig.
>|>
>|> Gary KE4ZV
>
>
>Nah, The TS-440s has more features and is a much better radio than the
>IC-735...
>
>Actually the TS-440s, IC-735, and FT757 are all in the same class in
>both performance and price.
>
>I prefer the TS-440s because of the internal antenna tuner, 100 watts
>output 100% duty cycle, and the 100 memories.   I feel that these are the
>advantages of this radio.
>
>On paper the specs of the ICOM radios look better but when the radios are
>tested they are the same. I am convinced that ICOM uses a more optomistic
>measurement method. I know this to be a fact when Hams tested the TS-950SD
>to the IC-781 and IC-765. The Kenwood radio came right in on spec and the
>ICOM radio was closer to the Kenwood spec than to the ICOM spec.
>
>Phil KJ6NN

Well everyone has an opinion. I test every radio I own on a routine
basis. I have never owned an Icom radio that did not handily exceed
it's specs while the single Kenwood radio I currently am enduring,
a TS790, meets neither it's power output spec (27 watts out, rated power
is 35 watts) nor it's sensitivity specs (rated .2 uV, actual .5 uV, for
12db sinad). It also runs uncomfortably hot and it's 430 Mhz power module
has had to be replaced (warranty). The new IC735 remains comfortably
cool after ten minutes key down at 109 watts into a Dielectric water
load (10 kw) on 14.313 Mhz (good test freq :-)).

My test bench has a HP608D signal generator, IFR 1200 spectrum analyser/ signal generator, Bird Mod 43 power meter, and several Dielectric dummy loads from 200 watts to 10 kilowatts (water cooled) all specified and tested to be flat to 500 Mhz.

Radios I have owned and tested include B&W 6100, Drake 2B, Drake TR4, Drake T4X, Drake R4C, Kenwood TS120, Icom IC745, Icom IC735, Kenwood TS790, Icom IC22A, Icom IC211A, IC451A, Icom IC402, Icom IC28H, Icom IC900, Icom IC25A, Ten Tec Argonaut, etc. This is the short list off the top of my head :-). Of them all, two stand out, the IC735 and the Drake R4C as being the best receivers I have ever used. The 735 is easier to use and is more stable, while they both are great for digging the weak ones out of the interference.

I have briefly operated a friend's TS440 and remain unimpressed. The receiver seemed only fair, the controls seemed awkward to use, and the radio got uncomfortably warm after a little RTTY work. The internal antenna tuner is of marginal usefulness with the usual random portable antenna. And who in the world needs, or can even remember what's in 100 memories?

The heatsink design on the IC735 is rather novel. First it is massive, secondly it is internal, and third it uses a squirrel cage internal blower to direct forced air over it's entire surface. It is highly effective with only a ten degree temperature rise after ten minutes key down at max power. The blower's quiet too! I stick by my opinion that it's the best radio available under $1000.

Gary KE4ZV

```
From -8024603650540647127
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f7c8753207fbc59,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-08 14:31:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucsd!sdcc6!kraken!mark
From: mark@kraken.ucsd.edu (Mark Anderson)
Newsgroups: rec.ham-radio
Subject: Advise needed on purchase of first HT
Message-ID: <12586@sdcc6.ucsd.edu>
Date: 8 Sep 90 19:38:51 GMT
Sender: news@sdcc6.ucsd.edu
Organization: Union of Geriatric Slam Dancers
Lines: 32
Posted: Sat Sep  8 20:38:51 1990
Nntp-Posting-Host: kraken.ucsd.edu
```

I starting to save my pennies up and hoping to by a used HT in the near future. Having a empty mailbox, I thought I could fill it up by asking from some suggestions/advise.

My e-mail address is:
mark@cs.ucsd.edu

I realize that some of these questions depend upon what I intend to use it for (which I don't know). Just assume I got my license because I played bridge with the class instructor.

Some random questions:

Is the choice of bands determined by anything other than what repeater in the area seems most attractive?

What features are essential and which are marketing fodder?

What mistakes have you made purchasing HTs that I should avoid?

What accessories (batter chargers, etc) are (a) essential, (b) useful, or (c) frivolous?

Since you have experience on your side, any general rules of thumb would be appriciated.

Thanks,
mark anderson
mark@cs.ucsd.edu

From 4491160624608188379
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d04ae5484a8f6a7a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-08 14:41:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!elroy.jpl.nasa.gov!jarthur!nntp-server.caltech.edu!tybalt.caltech.edu!slr
From: slr@tybalt.caltech.edu (Steve Rhoades)
Newsgroups: rec.ham-radio
Subject: Re: marine/aviation/2m ham HT
Message-ID: <1990Sep8.200247.23409@laguna.ccsf.caltech.edu>
Date: 8 Sep 90 20:02:47 GMT
References: <370@public.BTR.COM>
Sender: news@laguna.ccsf.caltech.edu
Organization: California Institute of Technology, Pasadena
Lines: 25
Posted: Sat Sep 8 21:02:47 1990

In article <370@public.BTR.COM> rah@public.BTR.COM (Richard A Hyde rah@btr.com) writes:

>I am a private pilot SEL, and a (still) aspiring ham. I can justify the

>cost of a 2m HT MUCH more easily if it would also provide me with emergency
>communications while in the plane.
>
>I've scanned the mods collections and can't find anything that would give
>both TX and RD from 108MHz -> 2m ham. I've heard rumors that Sony makes
>a special order rig, and that some company named AOL (?) also has a 2m/
>aviation HT. Alas, I've been unable to run any of this to ground, so I'll
>make my appeal to the net. Are their any aviating Elmers out there?

I have never seen one. Something you may want to keep in mind is that even though some 2m ham rigs will cover a portion of the aviation band, the aviation band is AM - most HT's I've seen for 2 meters are FM.

Anyone know WHY the aviation band is AM ?

Steve

--
Internet: slr@tybalt.caltech.edu | Voice-mail: (818) 794-6004
UUCP: ...elroy!tybalt!slr | USmail: Box 1000, Mt. Wilson, Ca. 91023

In consideration of others, please refrain from smoking while on the Internet.

From 7672208052288503235
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7f605c0b90bbe81,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-08 15:15:27 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx (Webster Smogpule III)
Newsgroups: rec.ham-radio
Subject: Horrendous 15m QRM
Keywords: what is it?
Message-ID: <37005@ut-emx>
Date: 8 Sep 90 22:15:27 GMT
Organization: The University of Texas at Austin; Austin, Texas
Lines: 20
Posted: Sat Sep 8 23:15:27 1990

Recently I have been hearing some very strong QRM on 15m that wipes out about 15 KHz of the band, typically 21020-030, or 21040-060. At first it sounded like ignition noise, until the person I was talking to (in Europe, both times, a couple of weeks apart) mentioned it too. It was S9 and killed the QSOs. It was there again today during the (phone) contest. It starts up around 1730 UT and goes on for several hours.

Given that it is S9, when added up over 10-20 KHz it is a *lot* of noise, and being equally strong thousands of miles away spells Big Trouble. Is it some ghastly new OTH radar system? I'd take the Woodpecker over this any day.

Anyone else heard this (you must have...), and have any idea what it is?

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From 897305443858531610
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae8dc54feb722c6a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-08 18:52:15 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!crackers!cpoint!die
From: die@cpoint.clearpoint.com (David I. Emery)
Newsgroups: rec.ham-radio
Subject: Re: "Long Distance" CPO (Code Practice Oscillator)
Message-ID: <7627@cpoint.clearpoint.com>
Date: 8 Sep 90 22:33:02 GMT
References: <12280014@hpspdra.HP.COM> <33464@cup.portal.com> <94@thoreau.nsc.com>
Organization: Clearpoint Research Corp., Hopkinton MA
Lines: 39
Posted: Sat Sep 8 23:33:02 1990

In article <94@thoreau.nsc.com> rtodd@thoreau.nsc.com (=Ron Todd) writes:
>In article <33464@cup.portal.com>, RaH@cup.portal.com (Richard A Hyde) writes:
>> was about "through the earth" communications.
>> Essentially, you drive two conductive stakes into the ground, and using
>> "around the house (who's house ?)" electronics, you communicate between
>> them.
>>
>Yup, the stuff really works. I did the same with a 5 watt audio amp
>as the transmitter and a phono premap as the receiver when I was in high
>school. We even hooked up a CPO to the transmitter stakes and went to
>a pair of high impedance headphones. The best we got was across the
>back yard but that was because we had to stay connected to the AC lines
>for the power source.
>

I did the same thing when I was in junior high (circa 1961) to communicate with a friend who lived about 1/3 mile away. We used Heathkit audio power amplifiers and stepup transformers connected to ground stakes about 200 feet apart. With a crude audio filter to eliminate the worst of the 60/120/180 hz crap the audio tones were well above the noise. There is a steady background of clicks and whistlers (sweeping tones) from lighting energy coupled into the magnetosphere, so the channel wasn't quiet. We were never able to put out enough power to send voice in both directions (the channel seemed to work best around 3-4 khz).

But dyslexic as I am, I still never mastered CW and never got my ham ticket (it was bad enough learning to spell and speak clearly). Today if I was a kid playing with this, I'd probably try to send 300 baud FSK to my home computer, but back then it was only two or three years later before I got into playing with Teletype gear and had some kind of digital signalling device that I could use. And by that time my friend had moved away (and gotten his ham license).

--
David I. Emery   Clearpoint Research Corp.
35 Parkwood Dr, Hopkinton Ma. 01748 +1-508-435-7462
{m2c,frog,harvard}!crackers!cpoint!die,   Internet: die@clearpoint.com

From 5686812831888129968
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7528dc6e943b75fd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-08 19:02:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!emory!mephisto!mcnc!rti!dg-rtp!dg-rtp.dg.com!harrism
From: harrism@dg-rtp.dg.com (Mike Harris)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood R-5000 vs TS-440s
Message-ID: <1990Sep8.172511.13682@dg-rtp.dg.com>
Date: 8 Sep 90 17:25:11 GMT
References: <0VX5o2w162w@edif.sps.mot.com> <33642@cup.portal.com>
Sender: usenet@dg-rtp.dg.com (Usenet Administration)
Reply-To: harrism@dg-rtp.dg.com
Organization: Data General Corp., Research Triangle Park, NC
Lines: 40
Posted: Sat Sep 8 18:25:11 1990

In article <33642@cup.portal.com>, Jeepster@cup.portal.com (John L Ferguson) writes:
|>
|>   This has been driving me batty for months...

Then you'll never be sane because......
|>
|>   A few months ago I traded in my Kenwood R-5000 receiver for a
TS-440s
|> transceiver. Once I connected it up to my antenna, I noticed that it
was
|> showing about 2 S-units less than the R-5000 had.
|>
|>   Is there a way to tweak the meter on the TS-440? I hate giving
RST
|> reports of 509 and 519 when it is obvious that though the signal is
somewhat
|> weak, it is still coming in good.

Never trust one of those meters! Every manufacturer calibrates them
differently and they aren't very accurate regardless! Who's to say that
your
TS-440 isn't correct and your R-5000 is screwed up? Who's to say
theirs
is correct and *yours* is wrong!? Pick a number out of *your*
calibrated
ear and give it to them. S reports aren't worth fussing about. About all
the
meters are good for is, for a given radio, swapping antennas to
determine
relative differences. They can also be calibrated to determine relative
power differences if you want to measure a beam pattern. Otherwise just
stare at the swinging needle - watch it carefully - listen to me -
"you don't care about S units" repeat "you don't care about S
units".......

Mike Harris - KM4UL   harrism@dg-rtp.dg.com
Data General Corporation
{world}!mcnc!rti!dg-rtp!harrism
Research Triangle Park, NC

From -3710315338448823334
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a09242f9a70e6e6a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-08 22:43:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!apple!well!
techie
From: techie@well.sf.ca.us (Bob Vaughan)
Newsgroups: rec.ham-radio
Subject: Re: Ham plates in CA
Message-ID: <20181@well.sf.ca.us>
Date: 9 Sep 90 02:08:47 GMT
References: <9008211847.AA15656@uunet.uu.net> <12280015@hpspdra.HP.COM>
Organization: Whole Earth 'Lectronic Link, Sausalito, CA
Lines: 38
Posted: Sun Sep 9 03:08:47 1990

To clarify things a little bit,
From the California Vehicle Code 1989 edition.
(paraphrased)

5005 (a) one set of call letter plates may be issued to the holder of a
non-expired amateur radio license.
Plates may be issued for a car, motorcycle, or
truck (no trailers).
(c)(1) initial fee $20 (no annual fee)
(2) transfer to another vehicle $12
5020 call letter plates may be issued to the holder of a non-expired
class D citizens band license.

$20 initial fee
$15 renewal fee
$20 transfer to another vehicle
5021 only one set of plates may be issued per section 5020
4850 (a) all license plates issued by this department shall be reflectorized.
     (c) a mandatory $1 fee shall be charged for reflectorized plates.
4850.1 exception to 4850: environmental plates (personalized, pearl harbor survivor, former POW, congressional medal of honor, 84 olympics, purple heart, or bicentennial bill of rights plates) (reflectorized plates optional)
9250 (a) registration renewal fee shall be $22 [basic fee]]
9250.8 (a) an additional fee of $1 is required [law enforcement fee]
4602 registration must be presented at time of renewal.

so, when obtaining amateur radio plates on a car you already own,
the fee would be:
$20 for the plates
$22 renewal fee (not sure if this is required if you have already renewed)
$1 reflectorized plates fee
$1 law enforcement fee
for a total of $44 (or $24 depending on if you do it at renewal time or not)
--
Bob Vaughan - techie@well.sf.ca.us - {apple,pacbell,hplabs,ucbvax}!well!techie
415-856-8025 (My Trusted Robot)
Welcome My Son, Welcome To The Machine
I am me, I am only me, and no one else is me. What could be simpler?

From -3865422296585238560
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55c4a21833575d0c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,55c4a21833575d0c,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-09-08 23:57:34 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!mips!apple!agate!linus!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Display lamps in rigs
Keywords: extend bulb life
Message-ID: <107862@philabs.Philips.Com>
Date: 9 Sep 90 03:39:38 GMT
Sender: news@philabs.Philips.Com
Lines: 29
Xref: gmdzi rec.ham-radio:14724 rec.radio.shortwave:2056
Posted: Sun Sep 9 04:39:38 1990

```
 copied from packet:
 Msg# TSF  Size #Rd  Date  Time From   MsgID        To
34174 BF   2024   1 05-Sep 0028 KD2DR  54552_KC3BQ  ALL@ALLBBS ()
  Sb: LiteBlubs-info
```

Recently I have heard many hams complain that they cannot find light bulbs for the control panels of their radio equipment, and have been asked directly about same. The following bulb will replace those 12-volt bulbs which seem to be too bright and fail too quickly. If the old bulb is the small (grain-of-wheat) type used in many radios, it is destined to fail soon. The 7220 bulbs I obtained from Sylvania are rated at 18 volts and last 60,000 hours at that voltage. At 14 volts, the mind boggles, and the bulb keeps on glowing (a nice soft orange...like the TM-731A set on "dim"). I just put a pair in a Kenwood 7950...much better than that goofy green color! Good luck, and happy soldering!

Jerry KD2DR

Or you could install a power resistor in series with the light bulbs to reduce voltage and increase life. If I remember rightly, bulb life follows an equasion like:

```
/  rated voltage     \ 6
| ------------------ |   = times rated life
\  operating voltage /
```

73 de WA2ISE

From -9029781136650624032
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9389c6ad391d7f59,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9389c6ad391d7f59,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-09-08 23:57:37 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!mips!apple!agate!linus!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Broadcast station on 10 Meters?
Message-ID: <107863@philabs.Philips.Com>
Date: 9 Sep 90 03:46:24 GMT
Sender: news@philabs.Philips.Com
Lines: 12
Xref: gmdzi rec.ham-radio:14725 rec.radio.shortwave:2057
Posted: Sun Sep 9 04:46:24 1990

copied from ham radio packet:

```
 Msg# TSF  Size #Rd  Date  Time From   MsgID        To
34208 BF    614   1 08-Sep 1700 N2JGQ  5000_N2IMC   ALL@LOCAL ()
  Sb: Broadcast on 10 Meters?????
```

It is 17:01 UTC, Saturday, 9/8/90. I am tuned to 28.740 MHz AM, and I am listening to a commercial broadcast station. It's not my equipment, it has been confirmed by other local hams. Does any one know what station this is? Why is it on 10 meters? This is the first time I have heard it so I am assuming that it is a new station. Any one in the know?

73, Steve N2JGQ @ N2IMC.NJ.USA.NA

From 7504375066964071927
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5cd25fc2c2c93149,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-09 00:17:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cica!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: SPECIAL BULLETIN 7
Message-ID: <124.26E9999A@w8grt.fidonet.org>
Date: 9 Sep 90 01:23:30 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 15
Posted: Sun Sep 9 02:23:30 1990

> THE LAUNCH OF STS 35 HAS ONCE AGAIN BEEN SCRUBBED. STAY TUNED TO
> AMSAT NETS AND W1AW FOR INFORMATION ON RESCHEDULING. AR

I guess that if we want to get the NASA space program back on track, we'd better sell it to Mitsubishi or Sony. [:-(

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |      _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From 1806305896292857624
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dfd27fba0b0ed2a1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-09 00:36:28 PST
Path: gmdzi!unido!mcsun!uunet!husc6!bbn.com!apple!portal!cup.portal.com!
DOUG_N_STRACENER
From: DOUG_N_STRACENER@cup.portal.com
Newsgroups: rec.ham-radio
Subject: Re: Weird Shutdown of my Astron power supply while antenna tuni
Message-ID: <33669@cup.portal.com>
Date: 8 Sep 90 22:37:35 GMT
References: <1990Aug29.055134.16823@midway.uchicago.edu> <1281@ke4zv.UUCP>
Organization: The Portal System (TM)
Lines: 6

Posted: Sat Sep 8 23:37:35 1990

IN REFERENCE TO THE ASTRON TRIPOUT...THE RF FROM A LONGWIRE CAN GET INTO THE SUPPLY AND TRIGGER THE CRWOBAR CIRCUIT. THE RS-50 SUPPLIES HAVE A GROUNDING LUG THAT SHOULD AND MUST BE USED TO AVOID SUCH PROBLEMS. SUGGEST THAT IF YOURS DOES NOT HAVE A CASE GROUNDING LUG YOU SHOULD DO THAT TOO....AND CHECK FOR RF BY-PASS CAPACITORS ON THE SUPPLY AC AND DC LUGS TO AVOID THE PROBLEM. HOPE THAT HELPS...DOUG, KA5YSY

From 6482518196004121681
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f1cd3b2e411e6d78,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-09 00:48:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes 9/7/90
Message-ID: <1637@n8emr.UUCP>
Date: 8 Sep 90 18:51:57 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 159
Posted: Sat Sep 8 19:51:57 1990

```
==============================================================
|         Relayed from packet radio via                   |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ RTTYDX $RTDX0907
RTTY DX Notes 1of3 9/7/90

RTTY DX Notes for week ending 9th September 1990
BID: $RTDX0907
Part 1 of 3.

After a certain amount of percussive maintenance and calibrated thumping, we have managed to get our machinery to act in the way that one would expect good RTTY gear to operate. The bands this week have been fairly slow, though it has been noticed that a certain amount of emergency and welfare traffic is still flowing around. Congratulations to those helping out.

Our thanks this week go to I5FLN, I5ICY, I5IGQ, JH1BLV, JH1QDB, OD5NG, TG9VT, VK2EG, W2JGR and the Tri-State DX Association VHF packet cluster. Thank you all for your assistance, and may you see some really good DX this coming week.

```
Bandpass:

Friday 31:
UZ9CZM      14084  at  0415Z
UT5RP       14074  at  0500Z  ARQ
FK8BK       14069  at  1216Z  ARQ
LY1BYL      14089  at  1240Z  QSL
5B4NC       21074  at  1423Z
VU2DPG      14078  at  1514Z  ARQ
UM8MTF      14082  at  1610Z  QSL
HV3SJ       21087  at  1956Z

Saturday 1:
CE0ZIG      14074  at  0500Z  ARQ
UA9KCI      14085  at  0610Z
EA9MY       21086  at  1012Z
VQ9RB       28088  at  1705Z
ZD9BV       28084  at  1758Z  QSL
VP2VP       21074  at  1830Z  FEC
ZD8BOB      21083  at  2120Z
TK5IU       21085  at  2126Z

Continued in part 2.
/EX
SB RTTYDX @ RTTYDX $RTDX0908
RTTY DX Notes 2of3 9/7/90

RTTY DX Notes for week ending 9th September 1990
BID: $RTDX0908
Part 2 of 3.


Sunday 2:
YS1RJ       21092  at  0450Z
FR5ZD       21074  at  0515Z  ARQ
BV5OC       14088  at  0945Z  ARQ
5W1KT       14079  at  1042Z
5N0ETP      28086  at  1113Z
AP2NK       21072  at  1211Z  ARQ
FK8BK       14069  at  1222Z  ARQ
V51P        21086  at  1452Z
SU1ER       14074  at  1539Z  ARQ
JY9SR       28085  at  1622Z  QSL
VQ9RB       28088  at  1702Z

Monday 3:
EA8ATE      21096  at  1301Z
RL8PYL      21089  at  1302Z
RF6FC       14089  at  1612Z
GJ4YMX      28089  at  1843Z
CE0ZIG      21074  at  1931Z  ARQ
```

ZD8BOB	21074	at	2146Z	ARQ

Tuesday 4:

FK8BK	14068	at	0520Z	ARQ
EA8ATE	14082	at	0927Z	
HV3SJ	21086	at	1619Z	
UZ9CWA	21085	at	1622Z	
VQ9RB	21088	at	1650Z	
CE0ZIG	21075	at	2155Z	ARQ

Wednesday 5:

PJ2MI	14074	at	0245Z	
UB5LAK	14087	at	0547Z	
FK8BK	14070	at	1020Z	ARQ
RB5MF/RT6U	21086	at	1354Z	

Thursday 6:

CE0ZIG	21076	at	0241Z	ARQ

QSL Information:

LY1BYL will QSL via Box 2189, Vilnius 232049, Lithuania, USSR.

UM8MTF says to send his cards to Box 1, Orlovka 722231, Kirghizia.

UA9KCI, Nick, QSLS via Prisk Vostochny, Chukota 686817, USSR.

ZD9BV will QSL via W4FRU.

JY9SR informs that his QSL address is Box 354, Amman, Jordan.

Continued in part 3.
/EX
SB RTTYDX @ RTTYDX $RTDX0909
RTTY DX Notes 3of3 9/7/90

RTTY DX Notes for week ending 9th September 1990
BID: $RTDX0909
Part 3 of 3.

ZK1XY is Kiyoko Yamashita, Box 3, Toukai-mura, Ibaragi 319-11, Japan.

4L9AG is at Box 6542, Perm City 614051, USSR.

Notes of Interest:

ZK1XY cards will be available on her return home.

The QSL cards for VP2V/JH4IFF should be available about mid September.
He made over 200 RTTY contacts.

JA1ACB advised that JH3DPB is now the QSL manager for 1S0XV.

JH1NQG will be signing KC6CW, and JH1BNL will sign KC6DX from September 13th to 16th, and will sign V63AN and V63AR respectively from Yap from September 16th to 19th . QSL to their home calls.
JH1NBD will sign S79 from the Seychelles from September 13th to 17th.
QSL to home call.

7J1ADJ will be active from Minami Torishima (JD1) starting September 14th for one week. QSL to KB1BE.

JH1QDB will sign /JD1 from Ogasawara from September 23rd to 30th.

Malpelo Island (HK0) should be active from 2 November.

Juan Fernandes will be activated by F2JD in mid November with RTTY gear supplied by IRDXA.

South Sandwich and South Georgia are still on track for late November.

GL DE DX1 (VK2SG).

Written by VK2SG. Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA.
Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.
/EX

From -8348498667444205480
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3c83488d81207ed3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-09 00:48:13 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: IRDXA 9/90 Bulletin
Message-ID: <1638@n8emr.UUCP>
Date: 8 Sep 90 18:53:52 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 49
Posted: Sat Sep 8 19:53:52 1990

SB ALL @ RTTYDX $IRDX0990
IRDXA 9/90 Bulletin

September 1990 Bulletin
BID: $IRDX0990

The International RTTY DX Association (IRDXA) provides RTTY equipment

to DXpedtions and resident amateurs willing to provide RTTY contacts
from rare DXCC countries. IRDXA has no constitution, no bylaws, no
officers, no members, no meetings, no dues, and no other rules. All
projects are funded by donations from RTTY DXers.

IRDXA Project Status - 9/90

Thailand - RTTY is still not an authorized mode, although some
contacts with HS1BV have been credited by DXCC. The IRDXA PK-232 will
be active from HS1AC (science museum club station) when the mode is
legal.

Solomon Is. - H44SH made more than 1200 RTTY contacts with his IRDXA
equipment before being transfered. He will be active from TU soon.
Late QSLS to Stuart Honeysett, c/o Serabou Seed Co. 04 B.P. 161,
Abidjan 04, Cote d Ivoire, West Africa.

Tristan de Cunha - ZD9BV has worked a few on the US east coast and
Europe using his IRDXA gear. Andy is getting married in September,
so work him now!

Rodriguez - Hopefully 3B9FR will receive his IRDXA gear on the next
boat, arriving late August. Robert is very excited!

Papau New Guinea - P29BT will receive IRDXA gear this month and should
be QRV RTTY in late September.

Malpelo - Will be QRV RTTY for the 1st time in Nov. 90 with HK1LDG
on the IRDXA keys. Send extra greenstamps with your QSL requests
please.

S. Georgia/S. Sandwich - VP8SGI and VP8SSI will be QRV RTTY about
21 Nov. and 24 Nov. respectively, using the well traveled IRDXA
Hal Telereaders. S. Sandwich is another 1st time QRV RTTY.
If you know of an opportunity to activate another DXCC country on
RTTY, please call me at (213) 322-7112 or fax 213-322-7114.
Our address: IRDXA, 356 Hillcrest St, El Segundo, CA 90245 USA.

Good RTTY DX

DE W6PQS
/EX

From -1568190673670735629
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,736d1ccb93f9a29b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-09 01:13:27 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!cica!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio

Subject: Heatkit to be sold?
Message-ID: <122.26E9904B@w8grt.fidonet.org>
Date: 9 Sep 90 01:23:30 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 35
Posted: Sun Sep 9 02:23:30 1990

> From: phil@hansen.Berkeley.EDU (Phil Graham)
> Date: 7 Sep 90 15:49:56 GMT
> Message-ID: <1475@lupine.NCD.COM>
> Newsgroups: rec.ham-radio
>
> I just read in the San Jose Mercury News that the owner of Heathkit is
> looking for a buyer...

It was owned by a French company. Want to bet it'll end up being owned by a Japanese company?

> Oh Well, end of an era.... Unless any of you have a few bucks to spare

I'd like to see Heath bought by R. L. Drake and get both back in the ham radio business.

>
> Phil
> KJ6NN
>
> --- eecp 1.40 LM2
> * Origin: Moderator, HAM_TECH / HAM4SALE Echoes (1:234/1)

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--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ___________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From -781526368443737947
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,347e2cc7e5e5f26,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-01 09:56:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!agate!ucbvax!CONSRT.ROK.COM!nix%muppet.decnet
From: nix%muppet.decnet@CONSRT.ROK.COM ("MUPPET::NIX")
Newsgroups: rec.ham-radio

Subject: Need Help With VAX VMS DeCompress of INFO-HAMS Archives
Message-ID: <9009010024.AA14928@ucsd.edu>
Date: 1 Sep 90 01:24:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 46
Posted: Sat Sep 1 02:24:00 1990

I need some assistance in figuring out why my efforts to decompress some `INFO-HAMS' archives (from UCSD.EDU) are not going well.

I'm `on' a VAX cluster (running VMS), and I've gotten a copy of the "lzcmp.exe" and "lzcomp.exe" files (several folks, here on INFO-HAMS, responded to my "where's a VAX VMS functional version of the UNIX `compress' program, that I posted a few weeks ago). I can compress and then decompress my files but, when I get an archived INFO-HAMS file from the UCSD.EDU archives, something goes wrong.

On two different attempts, "lzcmp.exe" gives me an error message; something to the effect that it couldn't finish decompressing the file. When I go look at the decompressed file (it DOES produce something ... that's progress over my previous efforts!), it appears as though the last portion just isn't there. A sentance will stop in the middle of a word, and the next line is the end-of-file. Theres no `garbage' ... the file simply quits before it should.

I have a `compress' program on my Amiga Computer at home, and there were some `help' files to guide me in using it. Not having any UNIX experience, but figuring that the VAX's `compress' routines would have similar options as my Amiga's (since they're both modeled on the UNIX `compress' program), I tried a "-h" suffix to the decompress command (suitably defined in my VAX "login.com" file), and sure enough, there is some rudimentary `help' information available that way ... apparently not enough though (!).

It's kind of embarassing ... here I have a nice mainframe at my disposal, and I can't decompress some simple text files. Last night I got a compressed InterNet document (the "RFC" type `stuff'), downloaded it to my Amiga at home (`KERMIT' is slow!), decompressed the file, and `dumped' it back to the VAX (again suffering with KERMIT!).

Advise would be appreciated.

Thanks,

Paul Nix   InterNet: nix%muppet.decnet@consrt.rok.com

PS - Before any VMS experts tell me about "XMODEM", as being faster than KERMIT ... I know only too well. Two or three of us have tried to get XMODEM to work, but something in the VAX-LAN-modem interface (that I have to go through when dialing in from home) `kills' XMODEM after the first blocks try to get through. KERMIT, although painfully slow, does work.

From -1739997512908623l0
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4f82b3f0840296a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-01 12:27:33 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!agate!ucbvax!lynx.northeastern.edu!sehrlich
From: sehrlich@lynx.northeastern.edu
Newsgroups: rec.ham-radio
Subject: Shuttle via Ham Radio
Message-ID: <memo.441396@lynx.northeastern.edu>
Date: 1 Sep 90 19:27:33 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 23
Posted: Sat Sep 1 20:27:33 1990

I recently got hold of a copy of the Heathkit 1990 Summer catalog. In the Amateur Radio section of the catalog, where it advertised its small packet transceiver, there was an article in the margins which made reference to the November 1990 Space Shuttle mission which was going to be sporting the Packet.

My question is if anyone knows the dates, exact times (UTC or EST), and 2 meter frequencies which the shuttle crew will be using for this project (and any other information you may have).

I am not yet licensed (but am taking my Novice exam within the next two weeks!!!), but I do have a friend of mine who has his General license.

Any information regarding this shuttle mission would be greatly appreciated.

Thank you very much.

Scott (sehrlich@lynx.northeastern.edu)
1*

From -6819395158041066836
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df3284a9dc5bbb7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-01 14:03:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!psuvax1!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil Karn)

Newsgroups: rec.ham-radio
Subject: Re: Metropolitan Area Positioning System
Message-ID: <1990Sep1.012333@envy.bellcore.com>
Date: 1 Sep 90 05:23:33 GMT
References: <SCOTTP.90Aug28101844@eecs.cs.pdx.edu> <4279@qip.UUCP>
<1280@ke4zv.UUCP>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Distribution: rec
Organization: Packet Communications Research Group (Bellcore)
Lines: 27
Posted: Sat Sep 1 06:23:33 1990

In article <1280@ke4zv.UUCP>, gary@ke4zv.UUCP (Gary Coffman) writes:
|> >What you want to use is the NTSC subcarrier (3.579545) from a network
|> >live television broadcast. These are transmitted with Cesium clock
|> >accuracy.
|> This used to be true John. The networks quit doing this some time
|> ago.

It depends on where you are. When I worked at the Maryland Center for Public Broadcasting about 15 years ago, a cesium frequency reference was installed in order to conduct some navigation experiments (the Maryland Center runs a series of slaved UHF transmitters around the state that covers, among other things, Chesapeake Bay). Before that they had a rubidium standard. I don't know whether they still have it.

You can always try calling the engineering departments of your local TV stations and asking what kind of master subcarrier generator they use.

Standard broadcasting practice uses a master 3.58 Mhz subcarrier generator (usually with backup) to drive dividers that generate sync signals that are distributed throughout the station. This means you need not look at the color subcarrier to get your frequency reference; the horizontal and vertical sync signals are equally stable, and these are usually easier to extract from your TV set (especially if it is a black and white model).

Phil

From 1135355286448777927
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df3284a9dc5bbb7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-01 14:03:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
psuvax1!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Re: Metropolitan Area Positioning System
Message-ID: <1990Sep1.013320@envy.bellcore.com>

Date: 1 Sep 90 05:33:20 GMT
References: <SCOTTP.90Aug28101844@eecs.cs.pdx.edu> <4279@qip.UUCP>
<1280@ke4zv.UUCP>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Distribution: rec
Organization: Packet Communications Research Group (Bellcore)
Lines: 12
Posted: Sat Sep 1 06:33:20 1990

By the way, with really stable (cesium or rubidium) frequency standards you can readily detect the motion of a (nominally) geostationary satellite as it carries a TV feed. I once tried this at the Maryland Center as they uplinked Wall Street Week. I watched the downlink signal on a vectorscope that had been synchronized to local (uplink) subcarrier. The relative phase of the downlink subcarrier slowly rotated as the satellite moved toward (or away, I don't remember) from the ground station. One complete rotation would correspond to a change in path length of only 40 meters (1/2 the wavelength of the color subcarrier).

Phil

From -7770708209010665652
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5393ca9c454bc1ab
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-01 14:12:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
cs.utexas.edu!news-server.csri.toronto.edu!utgpu!cunews!bnrgate!bcars363!znha
From: znha@bcars363.bnr.ca (Gord Dey)
Newsgroups: rec.ham-radio
Subject: Re: Drilling Holes
Summary: ...even masking tape works
Message-ID: <1990Sep1.062651.29169@bnrgate.bnr.ca>
Date: 1 Sep 90 06:26:51 GMT
References: <1990Aug29.154635.13906@math.lsa.umich.edu> <1250219@hpnmdla.HP.COM>
<92@thoreau.nsc.com>
Sender: news@bnrgate.bnr.ca (USENET News System)
Organization: Bell-Northern Research, Ltd. Ottawa Ontario CANADA
Lines: 10
Posted: Sat Sep 1 07:26:51 1990

Rod suggested using cardboard to protect the paint; I've had success with masking tape protecting the paint on my honda too.

Gord VE3PPE

P.S. I had a mag-mount on my car for a year (incl. canadian winter) and even the RG58 left a mark! Recommendation: punch a hole.

ve3ppe@ve3jf or ...!uunet!bnrgate!bcars363!znha or znha%bnr.ca.bitnet

From 1273228725704277603
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae8dc54feb722c6a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-01 14:23:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpspdra!paulz
From: paulz@hpspdra.HP.COM (Paul Zander)
Newsgroups: rec.ham-radio
Subject: "Long Distance" CPO (Code Practice Oscillator)
Message-ID: <12280014@hpspdra.HP.COM>
Date: 31 Aug 90 22:28:27 GMT
Organization: HP Stanford Park - Palo Alto, CA
Lines: 24
Posted: Fri Aug 31 23:28:27 1990

First a brief statement of where I am coming from, then a request for advice:
There is indeed a big source of potential future hams. They are called Boy Scouts. Especially the younger ones who are not all wrapped up with football team, girls, and cars (not necesarily in that order). These are a group of boys who have a lot of ambition to try new things. I know, I have helped several (including 6 graders) pass their novice test.

Now, I am looking to construct a "long distance" code practice device, and welcome the net's constructive suggestions. One possibility to connect two keys and code practice oscillators with a couple hundred feet of telephone wire. Now, the boys can really communicate beyond a normal talking range.

Slightly more complex is to explore no-license transmitters. How far can they be expected to work? Lastly, what would be the simplest CW rig for a novice to cover a range of several miles? This last would allow the boys to QSO after school, and provide an incentive to the rest to get their tickets. Higher freq means smaller antenna so the radio could be taken on a campout. The object is to find an inexpensive construction project. HT's at $200 and up are not in the right budget class.

Paul AA6PZ

From -8630214066982948586
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df38bde31f9d214c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-01 14:24:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)

Newsgroups: rec.ham-radio
Subject: Re: Internet link via RF
Message-ID: <1250221@hpnmdla.HP.COM>
Date: 31 Aug 90 22:35:27 GMT
References: <651715209.786@quack.sac.ca.us>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 52
Posted: Fri Aug 31 23:35:27 1990

Nick,

Since I have already answered many of your questions directly I won't repeat myself on this wide forum but I just *have to (:>) clarify one point....

you say:

> 1. Of course EHF is dangerous, but is there any way to effectively quantify the hazard? This thing aparently puts out about 10 mW of power, which, with the dish, means about 10w of ERP with a 4 degree half-power beamwidth. What kind of biological hazard is posed by standing behind the dish, to the side of the dish, and in front of the dish? How close to the dish in the directions I've mentioned is considered safe? I want to be safe about this, but I'm unlikely to be able to put this thing too far away from people. If that's not safe, there's little point in proceeding.

This is a very common thread of thought, but also very misguided.
In actuality the 10 mW coming out of the dish is at least
1000 times
>>>>   less dangerous <<<<<
than the horn or (worse yet) the waveguide flange by itself.

The highest fields, those most capable of causing a problem are present when all the power is present in a small aperture. This is the case with dipoles and low gain antennas (like a waveguide flange or horn feed of a deep dish). When the energy is used to illuminate a large parabolic reflector, it is spread out immensely. The ERP only tells you what the FAR FIELD is like.. it produces the same field that it would take a much larger transmitter to produce were there no antenna gain. It does this because the signal emanating from every portion of the high gain antenna's aperture adds coherently and maximally in the direction of the beam. The *actual* power/unit area is *never* much bigger than that coming out of a dipole driven by the 10 mW source. Shortened dipoles or monopoles represent the smallest realizable antenna and have only a slightly smaller aperture than does a full size dipole. A dipole has about a 1/8th lambda square aperture so you can compute the potential for injury using your favorite guidelines... 0 dBm/cm^2 or whatever you like.

The biggest danger anyone is likely to see from these modules is probably at the entrance to your local supermarket since the door openers use a lower gain antenna. Still I suspect that by far the biggest potential for injury is from hitting your head on the door jamb....

I'll take standing (floating?) out in front of the Araceibo (sp?) 1000 foot dish with the biggest transmitter you can muster any day over peering in the crack in the door of a leaky microwave oven.

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

```
From 6168876314637975770
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98d8320a6b8bf621
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-01 14:24:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpl-opus!hpspdra!paulz
From: paulz@hpspdra.HP.COM (Paul Zander)
Newsgroups: rec.ham-radio
Subject: Re: Touch lamp RFI solution and tracking methods
Message-ID: <12280013@hpspdra.HP.COM>
Date: 31 Aug 90 22:04:14 GMT
References: <3704@radio.oakhill.UUCP>
Organization: HP Stanford Park - Palo Alto, CA
Lines: 6
Posted: Fri Aug 31 23:04:14 1990
```

regarding the touch lamp RFI problem:
Try using an L filter instead of a PI. Connect a suitable cap across the triac and lamp, with the chock in series. Sometimes PI filters do not work as well as desired because the two caps have one lead in common. Unless the common point is really ground (which it is not, in this case) the two caps can actually bypass the chock!

```
From -8924637339971437968
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2f9757fac5a8cad,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-01 14:31:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uwm.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Metropolitan Area Positioning Syste
Message-ID: <30500711@ux1.cso.uiuc.edu>
Date: 1 Sep 90 07:41:00 GMT
References: <90@<SCOTTP>
Lines: 15
Nf-ID: #R:<SCOTTP:90:ux1.cso.uiuc.edu:30500711:000:696
Nf-From: ux1.cso.uiuc.edu!phil    Sep  1 02:41:00 1990
Posted: Sat Sep  1 08:41:00 1990
```

trivia:

The NTSC color subcarrier (3.579545454545....) is defined in the FCC rules for broadcasting as: (5 MHz)*63/88. The vertical field rate can be derived from that with: SC*4/455/525 and you get 59.9400599400599400....

Black and white broadcasts are supposed to have the color subcarrier turned off, but I've seen many that do not. I suspect that even if they turn it off, the horizontal and vertical rates will still be synced to the source deriving from the color subcarrier anyway (and hence vertical will not be exactly 60 Hz).

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -2804069394831190387
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a09242f9a70e6e6a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-01 15:08:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!voder!pyramid!infmx!randall
From: randall@infmx.UUCP (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: Ham plates in CA
Message-ID: <5123@infmx.UUCP>
Date: 1 Sep 90 00:24:28 GMT
References: <9008302005.AA05577@hls.com>
Reply-To: randall@infmx.UUCP (Randall Rhea)
Organization: Informix, Menlo Park, Ca. U.S.A.
Lines: 10
Posted: Sat Sep 1 01:24:28 1990

In article <9008302005.AA05577@hls.com> trop@hls.com (Troy T. Pummill) writes:

>I placed a call to the DMV office in Mountain View, CA and was told:
>$21.00 fee for getting the plates; you must fill out the Radio Call-
>Sign application...

Two friends of mine said that I cost them $54.00 to get ham plates in CA.
Does anyone who recently got one know about the fee?

-Randall KK6MY

From -5929506302158343983
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a09242f9a70e6e6a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-01 15:52:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!kchen

From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: Ham plates in CA
Message-ID: <44482@apple.Apple.COM>
Date: 1 Sep 90 16:42:14 GMT
References: <9008302005.AA05577@hls.com> <5123@infmx.UUCP>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 27
Posted: Sat Sep 1 17:42:14 1990

randall@infmx.UUCP (Randall Rhea) writes:

>In article <9008302005.AA05577@hls.com> trop@hls.com (Troy T. Pummill) writes:

>>I placed a call to the DMV office in Mountain View, CA and was told:
>>$21.00 fee for getting the plates; you must fill out the Radio Call-
>>Sign application...

>Two friends of mine said that I cost them $54.00 to get ham plates in CA.
>Does anyone who recently got one know about the fee?

I posted a note a little while back that I thought it cost $21. Well,
a few days ago, I got my cancelled check back, and it was... $21.00.
(Confirming that I may be getting old, but memory loss is not a
complete problem yet :-) This was a little over 4 weeks ago (nope,
no plates yet). Since Troy was given the same number by the DMV, we
can assume that there is something very wrong with the $54 number.

Now, because of my call, I wonder if most people will confuse the call
plate with a vanity plate (the plates will be on aa Saab aautomobile).
Fortunately, I do *not* look sixty (at least I don't think so :-).

73,

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From -5549534828390458056
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2811dc4ac70a49d5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-01 21:35:16 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!mips!prls!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Icom ic2sa, ic2sat, ic24 extended coverage via keystrokes
Keywords: mod files
Message-ID: <107438@philabs.Philips.Com>
Date: 2 Sep 90 04:35:16 GMT
Sender: news@philabs.Philips.Com
Lines: 30

Posted: Sun Sep 2 05:35:16 1990

copied from packet:

```
 Msg# TSF  Size #Rd  Date  Time From   MsgID        To
33574 BF   2102   3 27-Aug 1404 KC4CLD 1572_KC4CLD  ALL@ALLBBS ()
  Sb: WIDE FREQ MODS IN ICOM HANDIES.
```

Several new ICOM hand help equipment have the capability of wide freq coverage by executing only simple keypad commans.

IC-2SA With the power off,hold the following keys down and turn it on.
CALL,FUNC,LIGHT then release the keys.

IC-2SAT With the power off hold the following keys down and turn it on:
LIGHT,B.# and then release the keys.

IC-24(New version only,old version need diodes cut) With the power off hold the following keys down, then turn it on:
LIGTH,B,# then release the keys after the display comes on.

With the power off hold the following keys down ,then turn it on: LIGHT,3.
This enables the 100 Mhz digit in the IC-24.

With the power off hold the following keys down,then turn it on: LIGTH,2.
This enables the 10 Mhz digit.

ICOM handies have a incredible wide frequency coverage and...with only a few keystrokes......you already modified the handies.

73s Lionel,KC4CLD

Note: I haven't tried this, proceed at your own risk. WA2ISE

From 5627084782297479895
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3cb07a2fca13cc2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-01 23:52:02 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!samsung!noose.ecn.purdue.edu!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Frequencies For Egeland AFB, North Florida
Message-ID: <112.26E06BBC@w8grt.fidonet.org>
Date: 2 Sep 90 06:52:02 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 27
Posted: Sun Sep 2 07:52:02 1990

> From: vail@tegra.COM (Johnathan Vail)
> Date: 31 Aug 90 13:47:47 GMT

 > Organization: Tegra-Varityper, Inc., Billerica, MA
 > Message-ID: <1338@atlas.tegra.COM>
 > Newsgroups: rec.ham-radio
 >
 >
 > I am going to Florida the end of next week and will be bringing the
 > IC-24 with me. Does anyone have frequencies that are used in that
 > area that would be interesting to listen to? I figure I would scan
 > the "normal" bands for aircraft and such. Assuming the 24 would
 > recieve it ok. It does well for 120-130 aircraft band.

It may have been changed, but the last I heard, the only time an AFB uses the
120 - 130 aircraft band is when talking to civilian aircraft such as CAP,
private airplanes owned by base personnel, etc. Normal AF air - to - ground is
above 225 mhz.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From -5590833929542335540
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8ff5c984c34924d4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-02 00:21:29 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!deccrl!decvax.dec.com!zinn!ubbs-nh!wa1omm!paul
From: paul@wa1omm.UUCP (Paul MacDonald)
Newsgroups: rec.ham-radio
Subject: Re: Icom 24-AT receives audio from TV68
Message-ID: <paul.4534@wa1omm.UUCP>
Date: 2 Sep 90 07:21:29 GMT
References: <9008241534.AA26907@wenger.ai.mit.edu>
Lines: 25
Posted: Sun Sep 2 08:21:29 1990

>In article <9008241534.AA26907@wenger.ai.mit.edu> taalebi@AI.MIT.EDU
>(Ali Taalebi) writes:
>
>
>Using my Icom 24-AT, I have been able to receive a clear and load
>audio from TV68 in Cambridge Boston on 861.5125 MHz which seems to be
>an image.
>
>I wonder if anyone has had the same experience with the other TV
>or Radio stations in the Boston area?
>

```
>--73's de N1HPP

Yes, I can hear that up here in Nashua on my 24AT.
--

                                /\  /\
                               //\\//\\
            +---------------------------------------------+
            | From the shack of WA1OMM -- Paul MacDonald |
            | Using the power of the multitasking Amiga! |
            |                                            |
            | Compuserve: 70411,626   PLink:  UPPERCRUST |
            | Amateur Packet Radio:   WA1OMM@KB4N.NH.USA |
            +---------------------------------------------+


From -4866042148298409966
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c3ca40e4b885b656
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-02 06:43:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!hellgate.utah.edu!
uplherc!wicat!keithm
From: keithm@wicat.UUCP (Keith McQueen)
Newsgroups: rec.ham-radio
Subject: Re: _Pump Up the Volume_ bad for amateur radio?
Message-ID: <491@wicat.UUCP>
Date: 1 Sep 90 16:17:08 GMT
References: <1078@tsdiag.ccur.com> <9008221353.AA17393@tilde>
<1990Aug27.081638@ultnix.enet.dec.com>
Reply-To: keithm@wicat.UUCP (Keith McQueen)
Organization: WICAT Systems, Orem, Utah
Lines: 6
Posted: Sat Sep  1 17:17:08 1990


"When transmitters are outlawed, only outlaws will have tranmitters..."
--
 Keith McQueen, Wicat Systems Inc. , (801)224-6400      | My opinions are |
 N7HMF @ NV7V.UT.USA.NA (84058), 147.34+, 449.675-      | all mine...     |
 UPLHERC!WICAT!KEITHM                                   | ...so there!    |


From 949660464225680280
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df3284a9dc5bbb7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-02 07:38:37 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!cs.utexas.edu!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Metropolitan Area Positioning System
Message-ID: <4319@qip.UUCP>
```

Date: 1 Sep 90 21:49:48 GMT
References: <SCOTTP.90Aug28101844@eecs.cs.pdx.edu> <4279@qip.UUCP>
<18125@ucsd.Edu> <107320@philabs.Philips.Com>
Reply-To: john@qip.UUCP (John Moore)
Distribution: rec
Organization: Anasazi Inc, Phoenix AZ
Lines: 16
Posted: Sat Sep 1 22:49:48 1990

In article <107320@philabs.Philips.Com> rfc@briar.philips.com.UUCP (Robert Casey)
writes:
]In article <18125@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
] A magnetic-field antenna (big ferrite rod) would eliminate
]>most of those problems, hence my question a few weeks back on this
]>group as to where to find big ferrite rods.
]I suppose you should be able to epoxy glue several AM rods end-to-end
]together. Ferrite is (or used to be) some sort of magnetic material that was
]ground up, mixed with an insulating glue, and molded into useful shapes.
]Being ground up reduced eddy currents.
I have used large ferrite rods that I bought from Amidon Assoc (see ads
in ham magazines). These worked fine at 100 KHz.
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -6481772445747428256
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,143ea2b64ef8b869
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-02 08:58:23 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!
phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: _Pump Up the Volume_ bad for amateu
Message-ID: <30500712@ux1.cso.uiuc.edu>
Date: 1 Sep 90 21:44:00 GMT
References: <5586@plains.NoDak.edu>
Lines: 13
Nf-ID: #R:plains.NoDak.edu:5586:ux1.cso.uiuc.edu:30500712:000:495
Nf-From: ux1.cso.uiuc.edu!phil   Sep 1 16:44:00 1990
Posted: Sat Sep 1 22:44:00 1990

> Well, I guess we know now where PHIL stands on the issues! Nice to get
> it all in a neat list. Does this include NUCLEAR weapons?
>
> Warning: The above was taken out of context!

"I have an atomic bomb here, primed and ready to go; get out of my house now or I will set it off"

Warning: The above was taken totally out if context!

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -2301919674468558156
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e5ca90bff3195d20,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-02 09:22:19 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!milton!
dali.cs.montana.edu!samsung!cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL Letter - 10-Aug-90
Message-ID: <1628@n8emr.UUCP>
Date: 2 Sep 90 16:22:19 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 264
Posted: Sun Sep 2 17:22:19 1990

```
==============================================================
|        Relayed from packet radio via                 |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

The ARRL Letter - Volume 9, No. 16 - August 10, 1990 -

FCC Issues Notice on Testing of Disabled

The Federal Communications Commission on August 1 issued a Notice of Proposed Rule Making on Morse code testing of persons with disabilities. At an open meeting, the commissioners announced NPRM 90-356, proposing amended rules "to accommodate those persons who, because of severe handicaps, have extraordinary difficulty in passing the higher speed Morse code telegraphy examinations for amateur operator licenses."

While the subject had been broached earlier (see *The ARRL Letter*, June 29 and July 13, 1990), specific written information was not made available until after the ARRL Board of Directors had held their second 1990 meeting late last month.

For some time, volunteer examiners have exercised discretion in accommodating persons with disabilities, giving them several options in the testing of Morse proficiency. FCC Rules Part 97.509 (h) say "The administering VEs must accommodate an examinee whose physical disabilities require a special examination procedure. The administering VEs may require a physician's certification indicating the nature of the disability before determining which, if any, special procedures must be used."

On July 18, in a letter to volunteer examiner coordinators, FCC went a step further, asking VECs to "please expand the special procedures the VEs make to accommodate handicapped individuals."

In that same letter, FCC said "The Commission's policy is to exempt from the 13 and 20 wpm examinations persons holding a current, or within the renewal grace period, Novice, Technician, General, or Advanced Class operator license who, because of their severe handicaps, cannot pass these examinations even when the above special accommodation procedures are used."

At the same time, in what the Commission referred to as "interim procedures," volunteer examiners were given specific instructions for obtaining a physician's certificate (to the examinee's disability) as well as guidelines for applying to FCC for a total waiver of the 13 and 20 WPM Morse examinations for those individuals.

FCC said at that time that a Notice of Proposed Rule Making was being drafted.

In its June 15 statement, FCC codified procedures for accommodating disabled applicants, saying that special testing--such as substituting a sending for a receiving test, or pausing the CW tape to allow the examinee to speak or otherwise communicate the message to the examiner--now could *only* be done given a physician's certificate of disability.

The aim in accommodating disabilities is to encourage the applicant to make a "good faith effort" to pass the exam. In a recent letter to its volunteer examiner teams, the ARRL said "In most cases, the (flexibility specified by FCC) will allow the candidate to pass the Morse code examination on his/her own--therefore not requiring a waiver of the Morse code requirement because these procedures may have accommodated the severe handicap or disability."

In its letter to license applicants, ARRL says "We would hope that you have at least attempted to pass the examination using the new, more flexible examination procedures announced by the FCC June 15, 1990.

The Morse requirement in its most basic form has not been eliminated--waivers are available only to applicants already holding at least a Novice Class license. This meets international requirements (for operation below 30 MHz) that the licensee have demonstrated a knowledge of Morse.

ARRL also has provided volunteer examining teams with instructions to physicians, along with the proper form for the physician's letter to follow. Since physicians generally are not Morse proficient and may have little idea of the skills and abilities needed to become so, the League's instructions to them contain a brief tutorial on both Morse code and on how Morse examinations normally are administered.

The instructions to physicians also point out the new procedures for accommodating people with disabilities, noting that (The VEC is) "looking to you as the expert to detail why the patient may not be able to participate in the examination process" (despite the various accommodations available).

The FCC's NPRM 90-356 closes with this:

"...the proposed rule changes would be more efficient and effective than reviewing waiver requests from severely handicapped individuals on a case-by-case basis."

The Commission asks for comments "on all aspects of this proposal."

It is anticipated that volunteer examiners in particular will have something to say, both about the proposal itself and about the way in which the new procedures were announced, then spelled out, and finally followed by an NPRM initiated by the Commission itself.

As the League noted in its latest message to VE teams, now that an NPRM has been issued, the time has arrived for examiners "to express their philosophical and procedural concerns." For some initial reactions to the FCC's proposal, see "Happenings" in September *QST*.

In its June 15 statement, the FCC noted that the number of requests from disabled persons for Morse waivers had increased (although they did not say if these were requests to waive 5, 13, or 20 WPM). The FCC (namely John B. Johnston, chief of FCC's Personal Radio Branch) also mentioned that "three persons...have filed discrimination complaints under the Disability and Rehabilitation (Act).

BLIND HAM HONORED AT WHITE HOUSE

A 21-year-old Extra Class ham who has been totally blind since age 9 has received the Recordings for the Blind 1990 Scholastic Achievement Award. Scott Charles LaBarre, KT0U, of Woodbury, Minnesota, a recent graduate of St. John's University, in Collegeville, Minnesota, received a check for $3,000 from the General Electric Company for "extraordinary scholarship, intellect, enterprise, and service to others."

LaBarre, who plans to enter law school this fall, earned his Novice license at age 13 and his Extra by 14, through the Golden Valley, Minnesota-based Handi-Ham System. For more information on Handi-Hams, who have helped thousands of disabled people to become licensed, write to Courage Handi-Ham System, 3915 Golden Valley Road, Golden Valley MN 55422 (612-520-0511).

FORMER HAM CONVICTED

Richard A. Burton, formerly WB6JAC, was convicted in federal court July 20 of illegally operating a radio transmitter. Burton, arrested May 17 following an investigation by Los Angeles area FCC engineers acting on complaints from amateurs, had been charged with three felony counts of violating sections 301 and 501 of the US Code.

In the early 1980s Burton's license was revoked for Part 97 violations. After his appeals were turned down he was ordered off the air, but he continued to operate using his rescinded WB6JAC call sign. On January 15, 1984, US District Court Judge Manuel Real sentenced Burton on four misdemeanor counts of operating a transmitter without a license. Following appeals, Burton served seven months in jail and five years on probation.

Burton now faces possible fines of up to $100,000 and/or up to two years in federal detention. Sentencing is scheduled for October.

NASA TO TEST SHUTTLE AGAIN

A "tanking test" of the Space Shuttle Columbia is scheduled for around August 17, with rescheduling of flight STS-35 for around September 1, if all goes well. Ron Parise, WA4SIR, will be the SAREX astronaut on STS-35.

Astronaut Ken Cameron, KB5AWP, will speak at the ARRL Southwest Division Convention in San Diego on August 25, while Parise--who it is assumed will be in quarantine before his flight--will talk to the convention banquet by telephone.

STS-37 astronauts, scheduled to fly in November, now have received their licenses; in addition to Cameron and Jay Apt, N5QWL, new licensees include Steven R. Nagel, N5RAW, and Linda Godwin, N5RAX.

DXCC AUTOMATION UPDATE

A little known benefit of DXCC automation currently underway is that QSL cards will need be submitted only once for the multitude of awards now available from DXCC. Once a card has been processed and logged with call sign, date, band and mode, that credit will be available in future years for an applicant's band and mode endorsements.

That's the good news. The flip side is that the DXCC backlog is expected to worsen somewhat over the next year or more, as the process of "backfilling" continues. Several HQ staffers are working overtime (up to 40 hours a week) on the initial phases of automating the DXCC Branch, which now is processing submissions made in March. Mail received after June 1, which will be processed in September, will be the first to be done entirely by computer. At that time, the process of backfilling will accelerate, adding temporarily to the backlog.

OH! WHAT AN EXPEDITION

An all-Finnish team will invade the Caribbean island of Curacao in the Netherlands Antilles for the 1990 CQ Worldwide DX Contest. 55 operators and 40 support personnel will occupy both the Coral Cliff Hotel (a longtime Amateur Radio haven) as well as clear out acres of brush adjacent to the hotel in order to set up additional stations in construction trailers.

Radio Team Finland will sign PJ9W on SSB for the 'phone contest the last weekend of October, and PJ9A on CW at the end of November. Towers and antennas are currently being assembled and tested in Finland by OH6RM before shipment to the island. They will include a wire beam on 160 meters, a 3-element Yagi on 80 and stacked Yagi arrays on 40-10 meters. Rigs will be

15 Yaesu FT-1000s, with amplifiers.

BRIEFS

* Plumb Crazy is off the air. On July 6, according to the Oakland (California) Tribune, FCC personnel and US marshals, armed with a civil order, nabbed five modified CB radios and two linear amplifiers from Plumb Crazy's (whose real name is Harvey Peters Jr.) home. FCC representative Amy Freundlich said, according to the Tribune, that "the federal raiding party carted the equipment out of Peters's home to the congratulations of neighbors."

Peters faces $1,200 in unpaid fines, according to the Tribune.

* In the continuing effort to attract young people to technical pursuits, Carole Perry, WB2MGP, recently addressed members of the Society of Women Engineers at their meeting in New York. Perry told the group's education forum of the League's work to encourage youngsters to take up Amateur Radio, and suggested possibilities for cooperation between the League and the Society. Getting more young people into technology and science "is a national problem and one that requires a concerted effort between commercial interests and educational institutions of all kinds," she said.

"As I made the case (for Amateur Radio)," Perry said, "I was gratified to see how well received the information was with the group in attendance."

WB2MGP was the 1987 ARRL Professional Teacher of the Year as well as the Dayton HamVentionr Ham of the Year in 1987.

* Spurred by at least one book on the market telling the nontechnically adroit how to modify their radios, Kenwood USA Corporation has issued a press release on the subject. "MARS and Civil Air Patrol operators can obtain (Kenwood) radio modification information...at no cost. We require a copy of your MARS or CAP permit for this information.

"Please note that although modification information is available elsewhere, its validity and accuracy is questionable. Use of such incorrect information will void the warranty and possibly damage the radio.

"Kenwood policy is and always has been to protect the frequency spectrum for legitimate MARS and CAP operators. Protect your radio, and our frequency spectrum--use official Kenwood documentation."

* On July 27, the ARRL filed its legal brief with the US Court of Appeals for the District of Columbia Circuit in the matter of the proposed reallocation of the 220-222 MHz band to the private land mobile service. The brief reiterates the League's position, which already has appeared in QST. Oral arguments in the case of ARRL vs FCC and the United States of America are scheduled for November 16, 1990.

* ARRL Northwest Division Director William Shrader, W7QMU, has been named to the ARRL Planning Committee. The committee's makeup, originally ARRL officers only, was recently broadened to allow inclusion of directors and

vice directors. Vice President Rodney Stafford, KB6ZV, chairs the committee, whose mission is to draft a recommended long-range plan for the League.

* While it is not allowable to request a specific call sign, any amateur may swap his current call for another one. This little-used option is available by filing with FCC a Form 610 and requesting a change in call sign (Item 2E). In return, the applicant will be issued a call appropriate for his license class, from the standard rotation of new calls.

* The League once again has asked FCC to take action on international intruders in our HF bands; cited this time were two Soviet stations on 20 meters, as well as five intruders on 17 meters, coming from China, Argentina, the Soviet Union, and Sudan.

* Kelly Howard, N6PNY, one of the teenage stars of the 1987 ARRL film New World of Amateur Radio, was married on July 28, to Steven Lenhert. (Thanks to Westlink Report editor Bill Pasternak).

--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From -1885479401531717996
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df3284a9dc5bbb7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-02 09:22:40 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Metropolitan Area Positioning System
Message-ID: <1296@ke4zv.UUCP>
Date: 2 Sep 90 01:30:29 GMT
References: <SCOTTP.90Aug28101844@eecs.cs.pdx.edu> <4279@qip.UUCP>
<1280@ke4zv.UUCP> <1990Sep1.013320@envy.bellcore.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Distribution: rec
Organization: Gannett Technologies Group
Lines: 20
Posted: Sun Sep 2 02:30:29 1990

In article <1990Sep1.013320@envy.bellcore.com> karn@thumper.bellcore.com writes:
>By the way, with really stable (cesium or rubidium) frequency
>standards you can readily detect the motion of a (nominally)
>geostationary satellite as it carries a TV feed. I once tried this at
>the Maryland Center as they uplinked Wall Street Week. I watched the
>downlink signal on a vectorscope that had been synchronized to local
>(uplink) subcarrier. The relative phase of the downlink subcarrier
>slowly rotated as the satellite moved toward (or away, I don't

>remember) from the ground station. One complete rotation would
>correspond to a change in path length of only 40 meters (1/2 the
>wavelength of the color subcarrier).
>
>Phil

You can still do this even with the relatively unstable crystal references now used since you are both the uplink and the downlink station any drift in the reference cancels. If you want to see a real drifter, look at Spacenet 1.

Gary KE4ZV

From 8633270411758516408
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c1b106e3d7cc55d7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-02 09:24:05 PST
Path: gmdzi!unido!mcsun!uunet!husc6!wuarchive!cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes 8/31/90
Message-ID: <1629@n8emr.UUCP>
Date: 2 Sep 90 16:24:05 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 165
Posted: Sun Sep 2 17:24:05 1990

```
==============================================================
|         Relayed from packet radio via                 |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ ALLBBS $RTDX0831
RTTY DX Notes 1of3 8/31/90

RTTY DX Notes for week ending 31st August 1990
BID: $RTDX0831
Part 1 of 3.

We were speaking about QSL cards the other week, so I looked at some of my needed ones. I see that we are still waiting for cards from September 1989 and November 1989, and for cards through March and April 1990. So it seems that some people are more diligent than others. Bye the way, cards for VK9LI have been sent to all those received. But then he did not have 14,000 QSOs.

Our thanks this week go to I5FLN, I5ICI, I5IGQ, OD5NG, TG9VT, W2JGR, and the Tri-State DX Association VHF packet cluster. Thank you all for your assistance. Without your help these notes would not get written.

Bandpass:

```
Friday 24:
SU1ER       14074  at  0457Z  ARQ
HI8BG       14084  at  1317Z
EA9MY       21089  at  1425Z

Saturday 25:
FM5FA       14074  at  0115Z  FEC
SU1ER       14076  at  0215Z  ARQ
UT5RP       14074  at  0400Z  ARQ
RB5VO       14083  at  0501Z
RA2FB       14085  at  0720Z  Note
FK8BK       14068  at  1043Z  ARQ
ED5IPE      21084  at  1755Z  QSL
RC8O/UB4MZG 21082  at  1835Z

Sunday 26:
UZ9CWA      14091  at  0237Z
CE0ZIG      21074  at  0250Z  ARQ
ZK1XY       21085  at  0923Z
UM8MTF      21092  at  1302Z
PJ2MI       21088  at  1535Z
VQ9RB       21088  at  1755Z  QSL
9L4BR       21089  at  1806Z  QSL
5Z4BH       14091  at  1934Z
```

Continued in part 2.

```
/EX
SB RTTYDX @ ALLBBS $RTDX0832
RTTY DX Notes 2of3 8/31/90
```

RTTY DX Notes for week ending 31st August 1990
BID: $RTDX0832
Part 2 of 3.

```
Monday 27:
LY1BYL      14087  at  0555Z
FK8BK       14069  at  0955Z  ARQ
UT5RP       21088  at  1538Z
ZD8BOB      21080  at  1717Z
5Z4BI       21097  at  2033Z  QSL
TY1TS       21086  at  2150Z
TZ6VV       21086  at  2150Z

Tuesday 28:
```

```
CE0ZIG      14088  at  0240Z  ARQ
FO5EM       14088  at  0520Z
UJ8JCQ      21094  at  1719Z  QSL
EA8ATE      21087  at  1738Z
ZD9BV       21082  at  1758Z
CN8GI       14092  at  2054Z
TY1PS       21089  at  0330Z
```

Wednesday 29:

```
UA3PNN      14087  at  0335Z
UZ9CWA      14087  at  0340Z
UZ3AYR      21091  at  1439Z
ZD8BOB      21074  at  2205Z
```

Thursday 30:

```
EA9MY       21088  at  1623Z
```

QSL Information:

HI8BG requests his cards be sent to Bienvenido Guzman, POB 163-9, Santo Domingo, Dominican Republic.

ED5IPE is Portillon Island, and cards go to EA5GEO.

VQ9RB QSLs via WA4DPU.

9L4BR, Richard, asks for his cards via G4GGN.

5Z4BI is Bill Hesbitt, BOX 147, Thika, Kenya.

UJ8JCQ QSL via callbook address.

Notes of Interest:

Cards for Cambodia, XU8LW and XU8DX, are acceptable for DXCC.

RA2FB is in KALININGRAD.

There has been very little new activity reported for the coming weeks, so we will look ahead a little.

Continued in part 3.

```
/EX
SB RTTYDX @ ALLBBS $RTDX0833
RTTY DX Notes 3of3 8/31/90
```

RTTY DX Notes for week ending 31st August 1990

```
BID: $RTDX0833
```

Part 3 of 3.

JH1NBD is still heading for the Seychelles (S79) for a stint from September 13th to 17th.

DF2UU was anticipated from Iceland (TF) in August. So far no reports of his activity.

JA2NQG will use KC6CW and JH1BNL will use KC6DX from September 13th to 16th. They will then go to Yap and use V63AN and V63AR respectively from September 16th to 19th. QSL to their holme calls.

JH1QDB will sign /JD1 (Ogasawara) from September 23rd to 30th. QSL to his home call.

The Malpello operation has been advanced to November 2nd. Financial assitance may still be sent to HK3BED, Arturo Afanador, POB 91135, Bogota, Colombia.

South Sandwich and South Georgia Islands are still anticipated around November 26th. Further information may be obtained from AA6BB/U, Jerry Brandon, 93787 Dorsey Lane, Junction City, OR 97448. He will also accept financial assistance for the operation.

Sorry to say, people, there are some errors in the script this week, due to machine failures. We have done the best we can, but the rotten machines won't speak the same language that I do. I will apply the hammer and hope for better things next week.

GL DE DX1.

Written by VK2SG. Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA.
Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.
/EX
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From -2312372749823774452
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,652d9dc4c0dabd79,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-02 13:25:29 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!milton!oregon!cs.uoregon.edu!ogicse!zephyr.ens.tek.com!tektronix!nosun!techbook!tedpan
From: tedpan@techbook.com (Teddy Panarto)
Newsgroups: rec.ham-radio
Subject: **BRAND NEW FT-470 2m/70cm HANDHELD FOR SALE $ 390 **
Message-ID: <1990Sep2.073033.19243@techbook.com>
Date: 2 Sep 90 07:30:33 GMT
Lines: 15
Posted: Sun Sep 2 08:30:33 1990

Article-I.D.: techbook.1990Sep2.073033.19243
Reply-To: tedpan@techbook.com (Teddy Panarto)
Distribution: or
Organization: TECHbooks - Beaverton, Oregon - Public Access Unix
Lines: 9

Call me at (503)-255-2230 or e-mail me.

All accessories are still unopened.
I need a mobile unit.

--
tedpan@techbook.COM ...!{tektronix!nosun,uunet}techbook!tedpan
Public Access UNIX at (503) 644-8135 (1200/2400) Voice: +1 503 646-8257
I'm not an employee here at TECHbooks, just a humble customer.

From -3227390266766726672
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae8dc54feb722c6a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-02 13:25:56 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!apple!portal!cup.portal.com!RaH
From: RaH@cup.portal.com (Richard A Hyde)
Newsgroups: rec.ham-radio
Subject: Re: "Long Distance" CPO (Code Practice Oscillator)
Message-ID: <33464@cup.portal.com>
Date: 2 Sep 90 16:17:34 GMT
References: <12280014@hpspdra.HP.COM>
Organization: The Portal System (TM)
Lines: 27
Posted: Sun Sep 2 17:17:34 1990

In Rec.Ham-Radion paulz@hpspdra.HP.COM (Paul Zander) writes:

> There is indeed a big source of potential future hams. They are called
> Boy Scouts. Especially the younger ones who are not all wrapped up with
> football team, girls, and cars (not necesarily in that order). These
> are a group of boys who have a lot of ambition to try new things. I
> know, I have helped several (including 6 graders) pass their novice test.

> Now, I am looking to construct a "long distance" code practice device,
> and welcome the net's constructive suggestions. One possibility to
> connect two keys and code practice oscillators with a couple hundred
> feet of telephone wire. Now, the boys can really communicate beyond a
> normal talking range.

In the bookstore yesterday, I saw an article that might be of interest to you.

It was in one of those electronics magazines (Radio Electronics?) and
was about "through the earth" communications.

Essentially, you drive two conductive stakes into the ground, and using "around the house (who's house ?)" electronics, you communicate between them.

Range was several hundred yards. Sounds like a great Scout project!
The plans were for DX, but CW might give you better range and be easier to construct.

-Rick-

From 1978404078222028213
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c2bee0dbde217253,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-02 14:17:03 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!ibmpcug.co.uk!igx
From: igx@ibmpcug.co.uk (Ignatius Tan)
Newsgroups: rec.ham-radio
Subject: Re:arrl PFB 26
Message-ID: <9009022217.AA22975@ibmpcug.Co.Uk>
Date: 2 Sep 90 21:17:03 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Sun Sep 2 22:17:03 1990

Your message:
> Received: from nic.the.net by mbian.gal.utexas.edu; Tue, 26 Jun 90 08:23 CDT
> Received: from ucsd.edu by nic.the.net; Tue, 26 Jun 90 08:23 CDT
> Received: by ucsd.edu; id AA29370 sendmail 5.64/UCSD-2.1-sun Tue, 26 Jun 90
> 04:30:21 -0700
> Received: by ucsd.edu; id AA29342 sendmail 5.64/UCSD-2.1-sun Tue, 26 Jun 90
> 04:30:09 -0700 for /usr/lib/sendmail -oc -odb -oQ/var/spool/lqueue -oi

Has been acknowledged.

From 4810049012207539803
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,59032712f617fbc9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-02 18:14:27 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!pacbell.com!pacbell!att!mcdchg!ddsw1!indep1!tosspot!root
From: root@tosspot.UUCP (Lee Reynolds)
Newsgroups: rec.ham-radio
Subject: Inversion scrambling
Keywords: ECPA Bust Whome? PACs $$$
Message-ID: <suBwo1w162w@tosspot.UUCP>
Date: 3 Sep 90 01:14:27 GMT
Organization: Ludus Associates Inc.
Lines: 4

Posted: Mon Sep 3 02:14:27 1990

Can anyone tell me if simple frequency inversion scrambling is in much use (if any) at all on HF and up?

Lee   G8LCK

From -5676825037873471293
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ef9b608da96aadb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-02 20:21:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: What level should hams homebrew
Message-ID: <30500713@ux1.cso.uiuc.edu>
Date: 3 Sep 90 03:21:00 GMT
References: <11909@<1990Sep3>
Lines: 52
Nf-ID: #R:<1990Sep3:11909:ux1.cso.uiuc.edu:30500713:000:3022
Nf-From: ux1.cso.uiuc.edu!phil   Sep 2 22:21:00 1990
Posted: Mon Sep 3 04:21:00 1990

There is also the concept (if I might bring it up) of "homebrewing" at a higher level: developing software

The problem with this is the lack of availability of the parts. What we have now are whole computer systems (e.g. PC clones and others). While PC clones can be had for cheap as computers go, they cannot get as small and cheap as the MINIMUM hardware necessary to implement some smaller project.

Kantronics is attempting to (at least partially, e.g. for TNC functionality only) address this. I still don't have the technical data to know just to what extent this system is really open. I also hear that AEA is offering a DSP based modem. I can think of some NON-modem things I'd like to do with a DSP processor, though I suppose one could come up with a line of reasoning that argued that it was modem anyway.

The reason I am a skeptic is that I frequently get confused looks from people when I tell them I am interested in buying their piece of equipment WITHOUT the software, and empty PROM sockets, in exchange for copies of the documentation of the level needed to develop software on. One example is Spectrum, the company that makes repeaters. They offered to have THEIR programmer custom develop software to my specs at a rate that would come to about $1000. Well if I knew for certain of EXACTLY what I wanted the repeater to do, and if I believed they could develop it BUG FREE, that would be a fine price. In reality I am not sure how I would want it to behave, and getting it BUG FREE the first time is not exactly typical. If I were to program it myself, I'd be looking at burning code onto PROMS at least a couple times every month and maybe a few times in a flurry.

The guy from Spectrum also wondered why I could not just program it like everyone else does to do what I want. First of all, these things are CONFIGURED, not programmed. It had lots of features, but it also missed a lot that I wanted, particularly with configurable parameters that would dynamically change according to particular conditions based on some specified algorithm. For example, I might want the tail to be longer in the first transmission after having been idle for 2 minutes. The configuration choice I had was in simply setting the length of the tail, period.

I can understand that a company might be concern over the proprietary details of the design of their machine. If I knew how to program their repeater controller, I could potentially engineer one myself that is "as easy to program as theirs" and market it in competition. But if that was really their primary concern, they could have just said so. Instead they responded in ways in which they failed to recognize any interest in doing this form of "high level" homebrewing.

Well, maybe the Kantronics and/or AEA boxes are flexible enough to be programmed to be repeater controllers :-)

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -6025405464379037510
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a378a71867c075c5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-02 23:54:23 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: CES Simplex Patch - info wanted
Message-ID: <29087@netnews.upenn.edu>
Date: 3 Sep 90 06:54:23 GMT
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 18
Posted: Mon Sep 3 07:54:23 1990

I just got a CES simplex/repeater autopatch and am trying to find out the format for the CWID PROM. Attempts to contact CES by phone have been unsuccessful (no answer). Does anyone have any info on the type of PROM and the format for the data for the CWID? Right now it has no PROM at all installed. I'd like to burn my own, as the patch is owned by two of us, and will be installed at a club station temporarily, so I'm going to need 3 different calls programmed, which is why I want to do it myself instead of paying the factory for 3 chips. I have the manual for the

patch, but no schematics, so I don't even know what type of IC it is.
Any info would be appreciated.

--- Jeff

```
--
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
Jeff DePolo  N3HBZ             Twisted Pair: (215) 386-7199
depolo@eniac.seas.upenn.edu    RF: 146.685- 442.70+ 144.455s (Philadelphia)
University of Pennsylvania     Carrier Pigeon: 420 S. 42nd St. Phila PA 19104
```

From 1843767226606321306
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1e100e78d64437e6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-03 02:29:30 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!ernie.viewlogic.com!m2c!jjmhome!zinn!ubbs-nh!wa1omm!paul
From: paul@wa1omm.UUCP (Paul MacDonald)
Newsgroups: rec.ham-radio
Subject: Weather FAX
Message-ID: <paul.4550@wa1omm.UUCP>
Date: 3 Sep 90 09:29:30 GMT
Lines: 27
Posted: Mon Sep 3 10:29:30 1990

I was caught off-guard today while recording some weather satellite photos from 10.863 MHz USB. At 1400Z, a GOES Full Disk weather photo is usually transmitted at 120 LPM. However, instead, several MET4 low altitude weather photos were transmitted at 240 LPM! The header I managed to read off one of the images was as follows:

MET4 03 SEP 1990 1400 VISI+2 C3D

I assume that the C3D is a location. Does anyone know for sure? I could not pinpoint the geographic location by the view received. I also assume that VISI+2 is an indicator that the image was a visible spectrum image.

73, Paul

```
--

                            /\  /\
                           //\\//\\
            +---------------------------------------------+
            | From the shack of WA1OMM -- Paul MacDonald |
            | Using the power of the multitasking Amiga! |
            |                                            |
            | Compuserve: 70411,626   PLink:  UPPERCRUST |
            | Amateur Packet Radio:   WA1OMM@KB4N.NH.USA |
```

+--+

From 2022424353545476801
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ef9b608da96aadb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-03 08:04:56 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!cmcl2!sbcs!ameristar!rick
From: rick@ameristar (Rick Spanbauer)
Newsgroups: rec.ham-radio
Subject: Re: What level should hams homebrew
Message-ID: <1990Sep3.150456.896@ameristar>
Date: 3 Sep 90 15:04:56 GMT
References: <11909@<1990Sep3> <30500713@ux1.cso.uiuc.edu>
Organization: Ameristar Technology, Inc
Lines: 47
Posted: Mon Sep 3 16:04:56 1990

In article <30500713@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
[text deleted]

>I can understand that a company might be concern over the proprietary details
>of the design of their machine. If I knew how to program their repeater
>controller, I could potentially engineer one myself that is "as easy to
>program as theirs" and market it in competition. But if that was really
>their primary concern, they could have just said so. Instead they responded
>in ways in which they failed to recognize any interest in doing this form of
>"high level" homebrewing.

Actually, Spectrum may not be releasing details of their box for less sinister reasons than fearing the KA9GWM TurboController might be advertised in QST next month. Companies don't release the level of doc you are after for several reasons:

1. Misplaced paranoia that their widget will be cloned by a competitor. Probably not the case with a repeater controller.

2. Not having a documentation kit for lower level details. Internal docs used for programming a box are not necessarily something appropriate for use by customers. Low demand for such documents probably keep the company from investing resources in producing user level docs of internals.

3. Not wanting to support your efforts at that level. Telephone support is expensive and ties up resources.

4. Liability - it is conceivable that someone could injure themselves while futzing with the box. Probably not the case with a repeater controller, but I doubt GM will support your efforts in hacking their engine control uP.

5. They may not want to promulgate hardware details out of

concerns that a particular instance of hardware might become a de-facto standard people come to expect. Such a standard might inhibit their efforts to change their technology to eg lower costs or increase profit margins.

Personally, I don't see any reason to pine over this at all. In these days of cheap single board computers aimed at the instrumentation/embedded control markets, only the true "appliance ops" are using repeater controllers ;-)

>--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society

Rick Spanbauer/WB2CFV

From 4342629119365210466
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ef9b608da96aadb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-03 10:09:14 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: What level should hams homebrew
Message-ID: <18309@ucsd.Edu>
Date: 3 Sep 90 17:09:14 GMT
References: <1990Sep3> <30500713@ux1.cso.uiuc.edu> <1990Sep3.150456.896@ameristar>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 32
Posted: Mon Sep 3 18:09:14 1990

In every case that I've pursued so far, the reason a manufacturer didn't release the low-level details of programming controllers is that he didn't KNOW them.

Typically (especially in the ham marketplace), these sorts of things are bought on a contract basis from an independent supplier, who turns over the prototype hardware and software, then works with the manufacturer until the product reaches the market. From then on, the manufacturer has the whole enchilada, with enough documents to make and sell the thing. It's unlikely his employees are intimately familiar with either the hardware OR the software.

Assuming the manufacturer in fact has people capable of working on the software, it's likely that they haven't done so yet on a new product, and probably won't until complaints and bug reports come in. Remember that a maintenance programmer often doesn't have the big picture AND the fine detail unless he's worked on the system long enough to have learned them - it's not his job, which is to fix bugs. Bugfixing doesn't often require that you know everything about the system.

Couple that with the fact that very very few of the purchasers of what is really a low-demand item in the first place will be people who want

```
to and are capable of making low-level changes in the operation of the
widget, and it's just not worth it to the manufacturer to try to
document the operation of the widget at that level of detail.

I do think that manufacturers should be willing to release source code
for their devices, perhaps under non-disclosure contracts, but none are
that I know of.

And that's why I build my own controllers.
     - Brian



From 7346916235104895069
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ef9b608da96aadb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-03 11:08:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!rutgers!maverick.ksu.ksu.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: What level should hams homebrew
Message-ID: <30500714@ux1.cso.uiuc.edu>
Date: 3 Sep 90 18:08:00 GMT
References: <11909@<1990Sep3>
Lines: 10
Nf-ID: #R:<1990Sep3:11909:ux1.cso.uiuc.edu:30500714:000:438
Nf-From: ux1.cso.uiuc.edu!phil    Sep  3 13:08:00 1990
Posted: Mon Sep  3 19:08:00 1990


>    Personally, I don't see any reason to pine over this at all.  In these
>    days of cheap single board computers aimed at the instrumentation/embedded
>    control markets, only the true "appliance ops" are using repeater
>    controllers ;-)

How cheap and where do I get one (ONE!)?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.



From 3757300905371128741
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ef9b608da96aadb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-03 11:14:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!usc!ucsd!
rutgers!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: What level should hams homebrew
Message-ID: <30500715@ux1.cso.uiuc.edu>
```

Date: 3 Sep 90 18:14:00 GMT
References: <11909@<1990Sep3>
Lines: 47
Nf-ID: #R:<1990Sep3:11909:ux1.cso.uiuc.edu:30500715:000:2316
Nf-From: ux1.cso.uiuc.edu!phil   Sep 3 13:14:00 1990
Posted: Mon Sep 3 19:14:00 1990

> Typically (especially in the ham marketplace), these sorts of things
> are bought on a contract basis from an independent supplier, who turns
> over the prototype hardware and software, then works with the
> manufacturer until the product reaches the market. From then on, the
> manufacturer has the whole enchilada, with enough documents to make and
> sell the thing. It's unlikely his employees are intimately familiar
> with either the hardware OR the software.

This explains some of the p***-poor support I have gotten from certain
companies on other products (e.g. PC clone "makers" maybe?).

> Assuming the manufacturer in fact has people capable of working on the
> software, it's likely that they haven't done so yet on a new product,
> and probably won't until complaints and bug reports come in. Remember
> that a maintenance programmer often doesn't have the big picture AND
> the fine detail unless he's worked on the system long enough to have
> learned them - it's not his job, which is to fix bugs. Bugfixing
> doesn't often require that you know everything about the system.

What a boring job, fixing someone ELSE's bad programming.

> Couple that with the fact that very very few of the purchasers of what
> is really a low-demand item in the first place will be people who want
> to and are capable of making low-level changes in the operation of the
> widget, and it's just not worth it to the manufacturer to try to
> document the operation of the widget at that level of detail.

I can see this, and suspected it all along, but the ignorance level of
the people involved makes me think their line of reasoning didn't even
make it to this level. Perhaps the problem is that the guy who I was
talking to was "pure salesman", a species that should be banned at hamfests.

> I do think that manufacturers should be willing to release source code
> for their devices, perhaps under non-disclosure contracts, but none are
> that I know of.

I asked about such a thing. They said they already had programmers working
for them.

> And that's why I build my own controllers.
>
> \- Brian

Please send me a copy if you ever produce a catalog.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society

<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -1818771769348913696
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7d2801ac3a7afd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-03 11:42:42 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!decwrl!bacchus.pa.dec.com!decvax.dec.com!zinn!ubbs-nh!wa1omm!paul
From: paul@wa1omm.UUCP (Paul MacDonald)
Newsgroups: rec.ham-radio
Subject: Kenwood 430S Sidetone
Message-ID: <paul.4554@wa1omm.UUCP>
Date: 3 Sep 90 18:42:42 GMT
Lines: 15
Posted: Mon Sep 3 19:42:42 1990

I am posting this for a friend who has a Kenwood 430S. He does not hear
a sidetone when in CW mode, and wonders if there is an internal switch
to turn on the sidetone. Can anyone help? If so, please contact Lee at
71341.51@compuserve.com. Thanks.
--

```
                               /\  /\
                              //\\//\\
            +---------------------------------------------+
            | From the shack of WA1OMM -- Paul MacDonald |
            | Using the power of the multitasking Amiga! |
            |                                             |
            | Compuserve: 70411,626   PLink:  UPPERCRUST |
            | Amateur Packet Radio:   WA1OMM@KB4N.NH.USA |
            +---------------------------------------------+
```

From 2965107106040436779
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14f22e08f60e1206
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-03 14:25:55 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!mips!pacbell.com!pacbell!sactoh0!jre
From: jre@sactoh0.SAC.CA.US (Jim Earl)
Newsgroups: rec.ham-radio
Subject: Re: biological effects of handheld transceivers?
Message-ID: <3883@sactoh0.SAC.CA.US>
Date: 3 Sep 90 21:25:55 GMT
References: <49.UUL1.3#1@vortex.COM>
Organization: Sacramento Public Access Unix, Sacramento, Ca.
Lines: 17
Posted: Mon Sep 3 22:25:55 1990

>Does anyone out there have any reasonably up-to-date information on

>the current thinking regarding possibly negative biological effects
>from handheld transmitters (e.g. 2m and 440-450 Mhz units)? In
>particular, the effects on eyes (cataract and vitreous) and other
>biologic effects (e.g. brain effects).

I haven't read anything official, but I know that when I transmit
on my 4-watt 440 hand-held into the rubber duckie, I will get a
headache within about 5 minutes of intermittent operation. That is
why I usually use low power, which doesn't give me headaches. The
same thing happens to my friend with a comparable radio.

--
Jim Earl - KB6KCP / home: (916) 729-6825 work: (916) 929-0300 x233
INTERNET: jre@sactoh0.SAC.CA.US
UUCP: {ames | apple | att | sun}!pacbell!sactoh0!jre
  or: ucbvax!csusac!sactoh0!jre

From 5592408226478036746
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ef9b608da96aadb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-03 14:56:10 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!ubc-cs!news-server.csri.toronto.edu!utgpu!watserv1!watmath!att!bellcore!bellcore-2!envy!karn
From: karn@envy..bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Re: What level should hams homebrew
Message-ID: <1990Sep3.215610.882@bellcore-2.bellcore.com>
Date: 3 Sep 90 21:56:10 GMT
References: <11909@<1990Sep3> <30500713@ux1.cso.uiuc.edu>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@envy.bellcore.com (Phil Karn)
Organization: Bell Communications Research, Inc
Lines: 23
Posted: Mon Sep 3 22:56:10 1990

In article <30500713@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>
>There is also the concept (if I might bring it up) of "homebrewing" at a
>higher level: developing software
>
>The problem with this is the lack of availability of the parts.

What do you mean? One of the things that drove me towards software
development (besides its inherent fascination) was constant
frustration in getting parts for hardware development. I don't know of
any other field in homebrewing where you can easily get so many parts
over the phone. I don't mean just ordering them over the phone, I mean
actually *obtaining* them through the phone line. :-)

The other great thing about software is that it is so easily
replicated. Building the first prototype of a hardware project is

fun, but duplicating it can get old pretty quickly. Fortunately I have here a magic machine that can automatically duplicate any homebrew software project in a matter of seconds or minutes, as long as you keep feeding it electricity and raw materials. And the duplicates are just as good as the prototype...

Phil

```
From 6019295296708660362
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56ab8fde743ed690,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-03 15:51:58 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Re: _Pump Up the Volume_  (Right
Message-ID: <9009032251.AA04863@tilde>
Date: 3 Sep 90 22:51:58 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4
Posted: Mon Sep  3 23:51:58 1990
```

This thread has become a "right to own vs right to use" argument.   Deja Vu?

73,
Dube   N5PDK

```
From 393184374260173755
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ef9b608da96aadb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-03 17:11:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!uwm.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: What level should hams homebrew
Message-ID: <30500716@ux1.cso.uiuc.edu>
Date: 4 Sep 90 00:11:00 GMT
References: <4335@qip.UUCP>
Lines: 24
Nf-ID: #R:qip.UUCP:4335:ux1.cso.uiuc.edu:30500716:000:1142
Nf-From: ux1.cso.uiuc.edu!phil    Sep  3 19:11:00 1990
Posted: Tue Sep  4 01:11:00 1990
```

There is also another issue with respect to "homebrewing".

Some people will take a project published in an article of book and built it exactly as published.

Some people will take the above project and change it, either to deal with some difference in their tastes, to make it easier (delete the tough feature they don't want), or to adapt it to a different need or project.

Some people will actually design something new.

Again, the level is important here as well. One does NOT have to construct their own inductors to do homebrewing, whereas someone else might, and in some cases you might actually have to. Try building a 1.5kw 160 meter linear.

If you take store bought gear and connect it together in some new way that has never been done before, then that is creative. If it also works, then that is wonderful. It isn't any less important. Each person needs to pursue what interests them. And each person needs to be recognizant of the interest of other people as well.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 2011286413775431606
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae8dc54feb722c6a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-03 17:58:54 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Re: "Long Distance" CPO (Code Practice Oscillator)
Message-ID: <9009040058.AA06400@tilde>
Date: 4 Sep 90 00:58:54 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18
Posted: Tue Sep 4 01:58:54 1990

Mark Zenier writes

> Some possibilities:
>
> 1. MF broadcast band, including the new extension, 510 to 1705 kHz.
> 100 milliwatts (input power of last stage), 3 meters of antenna.

(rest deleted)

This is a good idea. But, while the max power for transmitting without a license is 100 mw, you still have to be careful and not interfere with existing licensed activity. I doubt that this will be a problem, though, because you gain nothing by transmitting on a "used" frequency anyway since the licensed transmitter will drown out a 100 mw rig.

It used tobe that you could buy transmitters and kits that worked on the BC band. Are they still around?

73   Dube   N5PDK

From -2166856078129960183
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ef9b608da96aadb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-03 18:21:48 PST
Path: gmdzi!unido!mcsun!uunet!rsiatl!jgd
From: jgd@rsiatl.UUCP (John G. DeArmond)
Newsgroups: rec.ham-radio
Subject: Re: What level should hams homebrew
Message-ID: <3858@rsiatl.UUCP>
Date: 4 Sep 90 01:21:48 GMT
References: <11909@<1990Sep3> <30500714@ux1.cso.uiuc.edu>
Organization: Radiation Systems, Inc. (a thinktank, motorcycle, car and gun works facility)
Lines: 37
Posted: Tue Sep 4 02:21:48 1990

phil@ux1.cso.uiuc.edu writes:

>>   Personally, I don't see any reason to pine over this at all. In these
>>   days of cheap single board computers aimed at the instrumentation/embedded
>>   control markets, only the true "appliance ops" are using repeater
>>   controllers ;-)

>How cheap and where do I get one (ONE!)?

Do your own homework, phil. Check any issue of "Circuit Celler", "Embedded Systems", "Measurement & Controls" (an ISA publication), "Electronic Engineering Times" or any other trade magazine for literally dozens of ads. The world is swamped with SBSs. HINT: The Micromint will sell you SBCs containing 6809, 8041, 8051, HC64180 or Z8 processors. The 8051 and Z8 processors are available with built-in BASIC so you don't even have to dirty your hands with assembly language.

But when you get right down to it, I don't really know why you'd want to buy just one. In about the time it would take you to order one of these boards, you can whip your own together. IN the 80[48,51] and 680X class processors, all one needs is a processor, a crystal and some line buffers (optional, depending on what you are doing.) Of course, you WILL have to buy a device programmer. Public domain cross assemblers are available for the PC and for less than a hundred bux, you can get a full simulator for any of the above chips.

John

```
--
John De Armond, WD4OQC  | We can no more blame our loss of freedom on congress
Radiation Systems, Inc. | than we can prostitution on pimps.  Both simply
Atlanta, Ga             | provide broker services for their customers.
{emory,uunet}!rsiatl!jgd|  - Dr. W Williams |                **I am the NRA**


From -9092139719710538188
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a09242f9a70e6e6a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-03 20:56:02 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!
nosc!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley)
Newsgroups: rec.ham-radio
Subject: Re: Ham plates in CA
Message-ID: <4240@crash.cts.com>
Date: 4 Sep 90 03:56:02 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 25
Posted: Tue Sep  4 04:56:02 1990

stevedak@cpe.UUCP writes:
>
>
>>If you do move out of state can you get new plates in the other state
>>with the same call?
>
>>Jeff Crilly (N6ZFX)
>
>I know you can in Texas.  I have seen several Texas call plates with district
>numbers other than five in this area.
>
>Steve Dakin
>wq5n


CA used to issue call plates only to area 6 calls.  But now DMV has no area
restrictions.  I would think that most states would be the same in that the
states are aligning themselves with respect to uniformity/recipriosity of
driver's licenses.

**************************************************************************
Mike Shirley,  WB6WUI        INET: mikey@pnet03.cts.com
PO Box 460                   ARPA: crash!pnet03!mikey@nosc.mil
Lakeside, CA  92040-0460     UUCP: {hplabs!hp-sdd nosc}!crash!pnet03!mikey
**************************************************************************
```

From -1206475415709102166
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2617af5bd446b82,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-03 22:11:39 PST
Path: gmdzi!unido!mcsun!tuvie!edvvie!eliza!dworak
From: dworak@edvvie.at (Christian Dworak)
Newsgroups: rec.ham-radio
Subject: ICOM IC-735
Message-ID: <246@eliza.edvvie.at>
Date: 4 Sep 90 05:11:39 GMT
Organization: Edv GesmbH, Austria/Europa
Lines: 11
Posted: Tue Sep 4 06:11:39 1990

Has anyone experience with the ICOM IC-735? I am new lis and want to
buy a shortwave transceiver. Other alternatives would be the FT-757, or
the TS-440.

tnx es 73
oe1cds
--
```
This does not reflect the   | Christian Dworak
opinions of my employer.    | USENET: dworak@edvvie.at
I am busy enough by talking |
about my own ...            | EDVG  Vienna/Europe - Tel (+43 222) 59907 238
```

From -3544122981260568982
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ef9b608da96aadb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-03 23:48:00 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: What level should hams homebrew
Message-ID: <30500717@ux1.cso.uiuc.edu>
Date: 4 Sep 90 06:48:00 GMT
References: <4335@qip.UUCP>
Lines: 66
Nf-ID: #R:qip.UUCP:4335:ux1.cso.uiuc.edu:30500717:000:3738
Nf-From: ux1.cso.uiuc.edu!phil   Sep 4 01:48:00 1990
Posted: Tue Sep 4 07:48:00 1990

> But when you get right down to it, I don't really know why you'd want
> to buy just one. In about the time it would take you to order one of
> these boards, you can whip your own together. IN the 80[48,51] and
> 680X class processors, all one needs is a processor, a crystal and
> some line buffers (optional, depending on what you are doing.) Of course,
> you WILL have to buy a device programmer. Public domain cross assemblers

> are available for the PC and for less than a hundred bux, you can get a full simulator for any of the above chips.

The software is not the problem. If all I wanted the hardware for was for just my own use, these sources of circuits would not be a problem either (except for my current space limitations, but this can be worked around on a small scale).

What I want to be able to do is to write the SOFTWARE and either sell it or give it away, and let people put it on their own box. I do not want to be in the business of hardware. If I write an application for the PC, I do not have to sell them a PC as well.

This is why the idea of the Kantronics Data Engine interests me. It *MIGHT* be a standard and available platform for software independently provided. The AEA DSP box might have similar usability.

For hardware to qualify, it must:

1. Have no software bundled with it, or if there is, it is of only a minor contribution to the cost, and generally useful.
2. Marketed on a wide scale relative to the scope of usage intended.
3. Be completely self contained to the maximum extent the purpose requires. This would generally mean a power supply, or standard power inputs.
4. Have a changeable software medium (socketed EPROMS are fine) or at least downloadable from a personal computer.
5. Require minimum hardware work by the owner to get it up and running, e.g. install ROMS, hookup to whatever, plug in power, switch on.

> Do your own homework, phil. Check any issue of "Circuit Celler", "Embedded Systems", "Measurement & Controls" (an ISA publication), "Electronic Engineering Times" or any other trade magazine for literally dozens of ads. The world is swamped with SBSs. HINT: The Micromint will sell you SBCs containing 6809, 8041, 8051, HC64180 or Z8 processors. The 8051 and Z8 processors are available with built-in BASIC so you don't even have to dirty your hands with assembly language.

These publications have stuff generally intended for hardware hackers. That's fine for hardware hackers who want to use my software. But what about the appliance operators, or more specifically, the high level network builders?

I've never heard of Micromint. Per chance might they have a 56001 SBC? You might also mention where these publications can be had, subscription prices, etc. I've only heard of "Circuit Cellar" and last I saw, it was a column in some magazine (was it Byte?). Remember, I'm a SOFTWARE person, NOT a hardware person. I don't get, or know about where to find, such things as EE trade rags and such. But I'm sure I can understand most of the tech talk in them.

As to getting my hands dirty with assembly language, it's MUCH better than getting them bloody with BASIC. If I want a high level language, I'll use C. Unless these SBCs typically run at 33 MHz or so, I'll have to go back to assembly to get the speed I want. I do a LOT of programming

in assembly language now and am very comfortable with it on several machines,
so why should even consider BASIC? I hope I can get a refund for sending
back the ROM chips with the BASIC interpreter on them.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -3677044344991718014
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b56ed9648d192db6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-04 05:31:03 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!STLAWU.BITNET!MROWEN
From: MROWEN@STLAWU.BITNET (Mike Owen W9IP)
Newsgroups: rec.ham-radio
Subject: KD5RO QRV?
Message-ID: <9009041232.AA09177@ucsd.edu>
Date: 4 Sep 90 12:31:03 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: SAINT LAWRENCE UNIVERSITY
Lines: 5
Posted: Tue Sep 4 13:31:03 1990

Does anyone know if KD5RO has found a BitNet connection at his new job?

W3OTC: I have not been able to get through to you via:
    RC@CMR.NCSL.NIST.GOV
Any other path available?

From -1586380755987898458
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae8dc54feb722c6a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-04 06:02:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!cs.utexas.edu!usc!wuarchive!udel!
haven!decuac!shlump.nac.dec.com!ryn.esg.dec.com!ultnix.enet.dec.com!taber
From: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Newsgroups: rec.ham-radio
Subject: Re: "Long Distance" CPO (Code Practice Oscillator)
Message-ID: <1990Sep4.090250@ultnix.enet.dec.com>
Date: 4 Sep 90 13:02:50 GMT
References: <12280014@hpspdra.HP.COM>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Organization: KC1TD@KB4N.NH.USA.NA.EARTH.SOLAR_SYSTEM.UNIVERSE.MIND_OF_GOD
Lines: 26
Posted: Tue Sep 4 14:02:50 1990

In article <12280014@hpspdra.HP.COM>, paulz@hpspdra.HP.COM (Paul Zander)
writes:
|> Now, I am looking to construct a "long distance" code practice device,

|> and welcome the net's constructive suggestions. One possibility to
|> connect two keys and code practice oscillators with a couple hundred
|> feet of telephone wire. Now, the boys can really communicate beyond a
|> normal talking range.
|>

How about light-wave communications? Photodetectors and flashlights for example. A photodetector at the focus of a parabolic reflector can be pretty selective (Radio Shack sells both the detectors and the parabolic reflector, though they think the reflector is a solar cigarette lighter.) or you can use lenses for less distorted reception. For better signal-to-noise, you can modulate the light either by messing with its power or by reflecting it off a vibrating mirror. That would provide a tone to help "tuning" at the receive end. (You can also modulate voice onto light with similar techniques, but who's going to want to send code when they can talk?)

--

>>>==>PStJTT
Patrick St. Joseph Teahan Taber

My employer doesn't care what I think. I, in turn, don't care what you think. You probably don't care what my empolyer thinks. Thus is life a circle.

From -8909970426039291941
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14f22e08f60e1206
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-04 06:28:18 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: biological effects of handheld transceivers?
Message-ID: <11596@crdgw1.crd.ge.com>
Date: 4 Sep 90 13:28:18 GMT
References: <49.UUL1.3#1@vortex.COM> <3883@sactoh0.SAC.CA.US>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 22
Posted: Tue Sep 4 14:28:18 1990
In-reply-to: jre@sactoh0.SAC.CA.US (Jim Earl)

In article <3883@sactoh0.SAC.CA.US>, jre@sactoh0 (Jim Earl) writes:
>>Does anyone out there have any reasonably up-to-date information on
>>the current thinking regarding possibly negative biological effects
>>from handheld transmitters (e.g. 2m and 440-450 Mhz units)? In
>>particular, the effects on eyes (cataract and vitreous) and other
>>biologic effects (e.g. brain effects).

>on my 4-watt 440 hand-held into the rubber duckie, I will get a
>headache within about 5 minutes of intermittent operation.

Score 1 for remote microphones. Also for using a roof antenna
when operating from a car.

Sorry for the weak attribution, but I do remember reading about 440 mhz
energy causing cateracts in an ~1970 issue of either 73 or RPT..
(more likely RPT..) I don't think they had any quantitative data.

-don perley - ke2tp

perley@trub.crd.ge.com

From -5322123833076175235
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,988349ca4c4e0a85
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-04 06:42:31 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <7950@helios.TAMU.EDU>
Date: 4 Sep 90 13:42:31 GMT
References: <9008282152.AA18317@tilde> <57105@microsoft.UUCP>
Sender: usenet@helios.TAMU.EDU
Organization: Computer Science Department, Texas A&M University
Lines: 18
Posted: Tue Sep 4 14:42:31 1990

In article <57105@microsoft.UUCP> mikemr@microsoft.UUCP (Michael MRAZ) writes:
>   There was enough stray
>RF in the transmitter room that the technician could make a nice
>fireworks display by running a screwdriver over the gap between the
>19" rack panels and the rack (yes, they were connected together, but
>the 6" gap between screws was enough to make nice sparks). I could
>hear the transmitter on the car radio for miles! Great stuff!

his reminded me of the story about the lady who lived near
the 500KW Long Wave transmitter site for the BBC (back when
it carried all the good programmes.) She used to shoe all
her friends who came round for tea how she could pick up the
station on a transistor radio with the batteries removed!!

Of course now days, we probably wouldn't consider this to be
as desirable. (Currents of Death and all that.)

bill   KB3YV

From 6084820763700989573

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,99be290af3781d7a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-04 07:18:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!ncf.al.alcoa.com!orange1
From: orange1@ncf.al.alcoa.com ("J ORANGE")
Newsgroups: rec.ham-radio
Subject: RE: Info-Hams Digest V90 #209
Message-ID: <9009041325.AA10777@ucsd.edu>
Date: 4 Sep 90 14:18:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 28
Posted: Tue Sep 4 15:18:00 1990

To Nick Sayer et al on 10 ghz microwave links.

Several years ago, K3PGP and I had a 10Ghz microwave link between our locations which was 6.3 miles. We were line of sight. I used a 10mw Gunnplexer mounted on my tower in a plastic food container, while John's site had the Gunnplexer mounted on his tower at the focal point of a 3' dish. He also used 10 mw of power. This link was active for nearly 3 years, and we had one full motion duplex video link (2 links) and on one of the video links we also had a voice nad data link, full duplex. The r.f. and i. f. units were all home brew by John, K3PGP, and they worked without any problems over the 3 year period.

Fog caused sparklies in the video, and heavy rains wiped out the link totally. Other weather conditions were seen to cause multipath distortions. Snow did not seem to have much of an effect, although in heavy storms, some loss of signal resulted. By the way, you have never heard audio that can be had on 10Ghz, try a 150 Khz bandwidth channel for audio.

The secret of these links were the home brew i.f. systems, which were on the order of 36mhz bandwidth. This allows video and several big bandwidth audio and data channels to reside on the subcarriers of the video channel.

If you guys want a tip... buy an old 70Mhz i.f. Satellite receiver and use this for the receiver. You have the video bandwidth and the subcarrier channels already there....

Also, good luck on the AFC system.... Unless both systems are locked up by a good AFC system you may as well forget it. The system PGP used was proprietary, and it worked great at -14F and +98F. If you want to have a lot of fun, try 10Ghz. No QRM, no Tuner uppers, just find yourself a buddy who is line o site and have at it!!!!

De W3ZDF

From -7712592078502880779
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae8dc54feb722c6a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-04 07:18:52 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)

Newsgroups: rec.ham-radio
Subject: Re: "Long Distance" CPO (Code Practice Oscillator)
Message-ID: <7952@helios.TAMU.EDU>
Date: 4 Sep 90 14:18:52 GMT
References: <12280014@hpspdra.HP.COM> <199@ssc.UUCP>
Sender: usenet@helios.TAMU.EDU
Organization: Computer Science Department, Texas A&M University
Lines: 14
Posted: Tue Sep 4 15:18:52 1990

In article <199@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>
>Gee, I hate to lead these kids astray by exposing them to CB, but how
>about showing them how to build simple BFOs for junk CB radios? Then
>they could key the carriers to communicate by CW.
>

Why bother with BFOs. Just build a little audio oscilator (or
put a little feedback into the AM Modualator) and run Modulated
CW. Why make it any harder than necessary?? If the interest is
there, you will be moving them to Ham radio soon enough anyway.

bill   KB3YV

From -5531427552786716750
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df3284a9dc5bbb7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-04 08:00:09 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!uakari.primate.wisc.edu!
uflorida!haven!decuac!shlump.nac.dec.com!koning.enet.dec.com!koning
From: koning@koning.enet.dec.com (Paul Koning)
Newsgroups: rec.ham-radio
Subject: Re: Metropolitan Area Positioning System
Message-ID: <15124@shlump.nac.dec.com>
Date: 4 Sep 90 15:00:09 GMT
References: <18125@ucsd.Edu> <SCOTTP.90Aug28101844@eecs.cs.pdx.edu>
<4279@qip.UUCP>
Sender: newsdaemon@shlump.nac.dec.com
Reply-To: koning@koning.enet.dec.com (Paul Koning)
Distribution: rec
Organization: Digital Equipment Corporation
Lines: 23
Posted: Tue Sep 4 16:00:09 1990

|> ...
|> However, most loran-c receivers use voltage-probe antennas, and are
|> quite susceptible to man-made interference, such as arcing neon signs,
|> fluorescent lights, electric fences, and unshielded ignition systems.
|> The one I run in my car often fails to lock up with a verified
|> position. A magnetic-field antenna (big ferrite rod) would eliminate

|> most of those problems, hence my question a few weeks back on this
|> group as to where to find big ferrite rods.

Amidon (see ads in QST) has several types of ferrite rods, including
high-mu ones apparently intended specifically for LF/MF frequencies.

|> One interesting thing you'll find if you start having an accurate nav
|> instrument in your car: a lot of the roads aren't exactly where the
|> maps show them to be. Some are off by a tenth of a mile or more out in
|> the middle of nowhere. (I can't help but wonder if that's just plain
|> simple error or whether the Defense Highway System isn't where the maps
|> show it to be in order to make bombing it harder!)

Interesting... Given today's technology, neither explanation makes
any sense!

paul

From 3126362344525485108
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,de55feeac4937cbb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-04 08:15:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!
decwrl!apple!agate!ucbvax!D15VS178A.SPACE.SwRI.EDU!ROsman%ASS%SwRI05
From: ROsman%ASS%SwRI05@D15VS178A.SPACE.SwRI.EDU
Newsgroups: rec.ham-radio
Subject: Yaesu FT-127 Manual
Message-ID: <9009041513.AA14496@ucsd.edu>
Date: 4 Sep 90 15:15:31 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Tue Sep 4 16:15:31 1990

I'm looking for a schematic of a Yaesu FT-127 receiver. A call to Yaesu
yielded the information that the service manual is no longer available.
The owner's manual is available, and has a teeny-weeny (almost readable)
schematic, but it costs more than I paid for the radio.

I need the schematic and layout for the receiver only. Can anybody out
there help?

Oz (Rich Osman, WB0HUQ)
INTERNET: ROsman%ASS%SwRI05@D15VS178A.SPACE.SwRI.EDU
(512) 522-5050 (w); (512) 699-1302 (h, merciless machine)
(512) 522-2572 (just the fax)

From -1844737483645205980
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ef9b608da96aadb

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-04 08:22:10 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: What level should hams homebrew
Summary: SBC programming
Message-ID: <1301@ke4zv.UUCP>
Date: 4 Sep 90 15:22:10 GMT
References: <4335@qip.UUCP> <30500717@ux1.cso.uiuc.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 61
Posted: Tue Sep 4 16:22:10 1990

In article <30500717@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>John DeArmond wrote:
>> Do your own homework, phil. Check any issue of "Circuit Celler", "Embedded
>> Systems", "Measurement & Controls" (an ISA publication), "Electronic
>> Engineering Times" or any other trade magazine for literally dozens of
>> ads. The world is swamped with SBSs. HINT: The Micromint will sell[
>> you SBCs containing 6809, 8041, 8051, HC64180 or Z8 processors. The 8051
>> and Z8 processors are available with built-in BASIC so you don't even
>> have to dirty your hands with assembly language.
>
>These publications have stuff generally intended for hardware hackers.
>That's fine for hardware hackers who want to use my software. But what
>about the appliance operators, or more specifically, the high level
>network builders?
>
>I've never heard of Micromint. Per chance might they have a 56001 SBC?
>You might also mention where these publications can be had, subscription
>prices, etc. I've only heard of "Circuit Cellar" and last I saw, it was
>a column in some magazine (was it Byte?). Remember, I'm a SOFTWARE
>person, NOT a hardware person. I don't get, or know about where to find,
>such things as EE trade rags and such. But I'm sure I can understand
>most of the tech talk in them.

Anyone who wants to do controller work had better KNOW hardware. If you
aspire to be a SBC programmer, you'd better subscribe to the EE trade
rags and learn about the hardware or you'll never have a sucessful
software product. There's no OS to shield you from the dirty details,
you have to do it yourself. You'll be debouncing contact closures, driving
relays, and trying to debug why all the !$%& relays glitch every time
you reset the cpu. I know, I've been there.

>As to getting my hands dirty with assembly language, it's MUCH better
>than getting them bloody with BASIC. If I want a high level language,
>I'll use C. Unless these SBCs typically run at 33 MHz or so, I'll have
>to go back to assembly to get the speed I want. I do a LOT of programming
>in assembly language now and am very comfortable with it on several machines,
>so why should even consider BASIC? I hope I can get a refund for sending
>back the ROM chips with the BASIC interpreter on them.

Such chauvinism! Many of the controllers have 1 or 2 Mhz clocks, yet the optimized Control BASIC that is built into the chips can do some mighty serious real time control in the available 2k of on chip RAM. Tokenized interpreted Control BASIC programs are often more compact than Forth or assembler while being much easier to prototype and debug. Controller BASIC allows you to vector interrupts directly to lines of your program. Controller BASIC gives you direct access to hardware timers and ports at the bit level. Assembly can always be called inline for the really time critical things. C and Forth are available for some of the SBCs, but you usually have to expand to off chip ROM and RAM to use them. Since it usually only takes one cpu cycle to fetch on chip code while taking several cycles to access off chip code, you pay a heavy price for using bulky C code. The stack architecture of these controller chips is not optimized for C and calling a function and passing it parameters is very clumsy and slow. You have to forget what they taught you in school about modular code and write nasty spaghetti code hoarding every cycle. Often a little rethinking of your problem will give you a one chip hardware addition that saves hundreds of lines of code. When doing SBC work, hardware and code are best thought of as intimately interdependent parts of the whole solution to your control problem.

Gary KE4ZV

From 1028497721754324346
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2617af5bd446b82
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 09:38:28 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!gvgpsa!gold!jimd
From: jimd@gold.GVG.TEK.COM (Jim Delwiche)
Newsgroups: rec.ham-radio
Subject: Re: TenTec Delta II es Argonaut II (was:ICOM IC-735)
Message-ID: <1401@gold.GVG.TEK.COM>
Date: 5 Sep 90 18:53:07 GMT
References: <246@eliza.edvvie.at>
Organization: Grass Valley Group, Grass Valley, CA
Lines: 8
Posted: Wed Sep 5 19:53:07 1990

On the topic of small HF rigs: Does anyone have any info on the forthcoming Delta II from TenTec? It looks like this rig will blow away my Kenwood TS440S based on the published specs. There's also a QRP version of the same rig (the Argonaut II) which looks very interesting. They are both due out in the fall.

I would be interested in ballpark price and any other info on these guys.

From -1187738273420195920
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,c213ea854d2f3237,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 09:58:17 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!soleil!gopstein
From: gopstein@soleil.UUCP (Rich Gopstein)
Newsgroups: rec.ham-radio
Subject: Inductance of ferrite-rod loop antenna?
Keywords: ferrite rod loop Loran-C
Message-ID: <1107@soleil.UUCP>
Date: 5 Sep 90 19:32:49 GMT
Organization: Harris Semiconductor, Somerville, NJ
Lines: 42
Posted: Wed Sep 5 20:32:49 1990

I am trying to build a resonant ferrite-core loop antenna for reception of Loran-C (100kHz) signals (for fun). The problem is in determining the inductance of the ferrite loop.

According to the ARRL Antenna Book (15th Ed), the inductance is:

L = (4*pi * N*N * A * Mu_rod) / l

Where
L = inductance in Henrys
N = Number of turns
A = Area of a loop (in cm*cm)
l = length of core in cm
Mu_rod = permeability of the rod adjusted for length/diameter ratio.

From the Amidon catalog, the permeability of one of their ferrite rods is 850. When adjusted for the length/diameter ratio according to the table in the ARRL book, Mu_rod is about 100.

So, the inductance for a 7.5 inch long .5 inch diameter loop with 20 turns is:

L = (4*pi * 20*20 * 1.61 * 100) / 19

= 42593 H (!)

This CAN'T be right. Are the units supposed to be meters instead of cm?
Is 100 a reasonable number for the permeability?

Thanks.

Rich Gopstein, KD2CQ
gopstein@soleil.nj.semi.harris.com
rutgers!soleil!gopstein

--
Rich Gopstein

```
gopstein@soleil.nj.semi.harris.com
..!rutgers!soleil!gopstein


From 1911936502679351202
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,625a0fec958404aa,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9532,625a0fec958404aa,start
X-Google-Attributes: gidf9532,public
X-Google-Thread: 105d97,625a0fec958404aa,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-09-06 10:01:22 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!fluke!swifty
From: swifty@tc.fluke.COM (Steve Swift)
Newsgroups: rec.ham-radio,misc.wanted,sci.electronics
Subject: 7587 Nuvistors Wanted
Message-ID: <1990Sep5.192248.14168@tc.fluke.COM>
Date: 5 Sep 90 19:22:48 GMT
Organization: John Fluke Mfg. Co., Inc., Everett, WA
Lines: 16
Xref: gmdzi rec.ham-radio:14614 misc.wanted:5320 sci.electronics:8325
Posted: Wed Sep  5 20:22:48 1990


  I am looking for some 7587 Tetrode Nuvistor tubes. I
  would like new, boxed ones if possible, but I will live
  with any I can get.  If you have some and are willing to
  part with them, send me email to start the trade/payment
  negotiation.  I would like to get at least three.

  Thanks in advance.
--


            Steve Swift
    Domain: swifty@tc.fluke.COM
    Voice: (206) 347-6100, Ext. 5737 direct: 356-5737
    UUCP: {microsof,sun}!fluke!swifty
US mail: John Fluke Mfg. Co./ P.O. Box C9090/ MS 241F/ Everett WA  98206


From -383948756065593468
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,94f15ea4edfc4ac3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 10:50:34 PST
Path: gmdzi!unido!mcsun!uunet!know!cs.utexas.edu!yale!venus!yalevm!maine!dow
From: DOW@MAINE.BITNET (Michael R. Dow)
Newsgroups: rec.ham-radio
Subject: Antenna question. Help!
Message-ID: <90248.190939DOW@MAINE.BITNET>
```

Date: 5 Sep 90 23:09:39 GMT
Organization: University of Maine System
Lines: 25
Posted: Thu Sep 6 00:09:39 1990

Due to space constraints, I can't put a regular dipole for my 10 meter rig in my apartment. What I want to build is something like this:

(The frame is a 2x6)

```
--------------
|  ......... |
|          : |
|  ......... |
|  :         |
|  ''''''''' |
|  ........: |
|  :         |
|  ....      |
|     .      |
--------------
      :  <----- Wire
      :
```

Would something like this work? Yes? No? Why?

Thanx..

Michael R. Dow

From 8565795162511329555
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd98530068fc2d43
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 11:09:25 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: 6 meters
Message-ID: <7500025@hpfcso.HP.COM>
Date: 6 Sep 90 18:09:25 GMT
References: <141793@sun.Eng.Sun.COM>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 32
Posted: Thu Sep 6 19:09:25 1990

/ hpfcso:rec.ham-radio / coolidge@grump2.zko.dec.com (Bayard R. Coolidge ULTRIX CSSE) / 1:32 pm Sep 5, 1990 /
--
Bayard R. Coolidge NREMT-A N1HO   coolidge@guru.dec.dec.com

Digital Equipment Corp.   Usual Standard Disclaimers apply.
Nashua, New Hampshire, USA   UUCP: ...!decwrl!guru.enet!coolidge
(603) 881-0503

In article <141793@sun.Eng.Sun.COM>, Jonathan Neher, N6XUI, was asking what the 6m was
all about.

The ARRL has published a band plan for 6m, and it's printed in the ARRL Repeater Directory.
However, I've paraphrased it below for your convenience. You should double check the FCC
Rule Book and other amateur publications to ensure you're operating legally.

51.700   National Packet calling frequency

73,
Bayard, N1HO, who will be /1 from FN45, Pittsburg, NH on 6, 2 and 432

Thank you for publishing this... I've been looking for any info on a 6m packet frequency and this is the first I've found. Now to order the crystals and get on the air.

Anyone else interested? Packet seems an ideal way to experiment with 6m. It'll never miss an opening and I (the lazy operator) don't have to constantly monitor the radio.

Bill WA7NWP

```
From 1817964984630496468
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ecaa7dc08318bcc3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 12:21:20 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!think.com!samsung!sdd.hp.com!hplabs!
hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: DC Adapter for FT-470?
Message-ID: <7880274@hpfcdc.HP.COM>
Date: 6 Sep 90 19:21:20 GMT
References: <9008301642.AA04515@hls.com>
Organization: HP Fort Collins, Co.
Lines: 4
Posted: Thu Sep  6 20:21:20 1990
```

> My 470 only puts out 4 watts with 12 volts in.

How's the antenna SWR? With high SWR (4:1) I saw my 411's output drop to 4W; with "infinite" SWR, to 2.6W.

From 382636676235678168
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,553435c90af3583c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 12:55:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpldola!paul
From: paul@hpldola.HP.COM (Paul Bame)
Newsgroups: rec.ham-radio
Subject: Re: Re: Abbreviation for Units Multipliers
Message-ID: <12120044@hpldola.HP.COM>
Date: 6 Sep 90 19:55:05 GMT
References: <9008241338.AA05397@cmr.ncsl.nist.gov>
Organization: HP Elec. Design Div. -ColoSpgs
Lines: 54
Posted: Thu Sep 6 20:55:05 1990

Paul Flaherty:

> >On a similar thread (since sci.engr isn't here yet): Who is responsible for
> >keeping the brain damaged English units as the primary measurement system
> >in the US? NIST? Congress?

And from Phil:

> We have met the enemy, and he is us.

And "us" includes us amateur radio operators.

I was lucky enough to be schooled during the time when the metric system was being pushed in the USA. Then my science/math/engineering education used it even more - slugs and feet became things to be converted to metric before doing calculations - maybe that makes me communist or something I don't know.

Anyway, I started pursuing my ham ticket and lo and behold, there for all the world to see in our training literature (and in the Handbook and who knows where else) was the formula for the length of a half-wave dipole antenna:

(1) l = 9827397.23847 / f

where the length is in feet or inches or something - please excuse the made-up constant. And this formula usually comes *after* we know how to talk about 2-meters and 146MHz as the same band. We're already using wavelengths in meters so why suggest people memorize brain-dead useless formulas and constants? Instead, we could present the formulas in the metric system and provide units conversions for folks who don't happen to have metric measuring tapes - conversion being a skill they could use in other walks of life.

So quick... what's the length of a half-wave dipole for 2 meters? Well naturally, it's 1 meter - half of 2 meters! No formula required. A 2m quarter-wave is then 1/2 meter long which is about 19.7 inches - not bad for no formula.

For closer results, like for 2 meters where small errors in antenna lengths are significant, the formula to remember is still simple

(2) l = c / f

which says that the wavelength is equal to the speed of light divided by the frequency. That 'c' value, the speed of light, is a useful number - much more so than the one presented in (1) above. You can use it to determine round-trip propagation time in EME or satellite communication - or estimate the wavelength of a frequency which falls outside the HAM bands - like 11m for CB.

-Paul "Spice is the Variety of Life"
paul@hpldola.hp.com N0KCL

From -1929385996766744000
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ef9b608da96aadb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 12:56:29 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!wuarchive!udel!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: What level should hams homebrew
Message-ID: <39681@cci632.UUCP>
Date: 6 Sep 90 19:56:29 GMT
References: <11909@<1990Sep3> <30500714@ux1.cso.uiuc.edu> <3858@rsiatl.UUCP> <1990Sep5.230403.15295@cbnewsc.att.com>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 22
Posted: Thu Sep 6 20:56:29 1990

In article <1990Sep5.230403.15295@cbnewsc.att.com> psfales@cbnewsc.att.com (Peter Fales) writes:

>How about a pointer to one of these less than $100 8051 simulators!

I don't know about that ... I have a commercial one called "avsim" and it's excellent.

However, I've got a PD cross-assembler for the 8051 family, that I would be willing to E-MAIL to anybody who wants it - it originally came from UseNet. 8051 applications are typically simple enough that a full simulator is not truly necessary, as long as you've got a little assembly experience.

Once again, let me stress that you can get an 8051 controller up for the $20-30 range (a fairly minimal system, true, but a fully functioning one). It is VERY well suited for ham radio projects -- I am always looking for good ideas !! If anybody can think of a worthwhile project, let's kick it around a little.

Best 73's

Chris, WZ2B

From -6122829343413073679
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9de1d6a2543467ad,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 13:20:43 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!hacgate!tony
From: tony@hacgate.UUCP (Tony Reeves)
Newsgroups: rec.ham-radio
Subject: IC751
Message-ID: <10418@hacgate.UUCP>
Date: 6 Sep 90 20:20:43 GMT
Reply-To: tony@hacgate.UUCP (Tony Reeves)
Organization: Hughes Aircraft Co., El Segundo, CA
Lines: 2
Posted: Thu Sep 6 21:20:43 1990

Does anyone out there have thke modification that can be made to a Icom IC751 for general trasceve? I know it is simple, but how is it done?

From 9200979780989485636
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e01ad804cbec15cc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 13:22:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!SC.INTEL.COM!RHAREL%FAB8
From: RHAREL%FAB8@SC.INTEL.COM ("RICHARD HAREL ")
Newsgroups: rec.ham-radio
Subject: Kenwood TH-26 Modification needed
Message-ID: <9009061141.AA29309@ucsd.edu>
Date: 6 Sep 90 11:24:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Thu Sep 6 12:24:00 1990

Can someone please post or E-Mail the necessary modifications for the Kenwood TH-26 that will enable it to go out of band on RX and Tx ?

-=-

```
E-Mail:                   |Pigeon:          |Land Line:  |Packet:|Heart:
RHAREL%FAB8@SC.INTEL.COM  |P.O. BOX 6457    |972-2-785578|4X1DA  |Cute blondes
                          |JERUSALEM, ISRAEL|            |@4Z4SV |with blue eyes
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
```

From -1021764479150729473
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1e92113433aa148,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 13:26:18 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!ucsd!ucbvax!CONSRT.ROK.COM!nix%muppet.decnet
From: nix%muppet.decnet@CONSRT.ROK.COM ("MUPPET::NIX")
Newsgroups: rec.ham-radio
Subject: MININEC Availability Question
Message-ID: <9009052217.AA25056@ucsd.edu>
Date: 5 Sep 90 23:18:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Thu Sep 6 00:18:00 1990

Fellow in my office came by, asking if I knew where MININEC was available from. I mumbled something about the Navy out in California, but that's all that I could remember (from a `cold' start).

Scanning through QST, we saw several `improved' versions, or outright replacements for MININEC, but nothing that gave an overall picture of the availability of the basic routine.

Is MININEC sold by the Navy, is it public domain, etc.

Any comments would be welcomed;

Paul Nix (WB5AGF)   InterNet: nix%muppet.decnet@consrt.rok.com

---

From -2645523518144516305
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,39b5894293f5be34,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 14:11:42 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!RELAY.NSWC.NAVY.MIL!kperko
From: kperko@RELAY.NSWC.NAVY.MIL
Newsgroups: rec.ham-radio
Subject: MININEC
Message-ID: <9009061414.AA04389@ucsd.edu>
Date: 6 Sep 90 14:14:20 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet

Lines: 8
Posted: Thu Sep 6 15:14:20 1990

MININEC is produced by J.C. Logan and J.W. Rockway at the Naval Ocean
Systems Center, San Diego CA, 92152-5000. A description and basic code
listing for MININEC 3 is contained in NOSC technical document #938, dated
Sept. 1986, which is approved for public release. I do not know if a
newer version has come out since then.   73, Ken, WA3WHE
<kperko@relay.nswc.navy.mil>

From 7212327417776531233
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae8dc54feb722c6a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 14:24:27 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (=Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: "Long Distance" CPO (Code Practice Oscillator)
Summary: CB not the right choice!
Message-ID: <93@thoreau.nsc.com>
Date: 6 Sep 90 13:42:44 GMT
References: <12280014@hpspdra.HP.COM> <199@ssc.UUCP> <7952@helios.TAMU.EDU>
<202@ssc.UUCP>
Organization: National Semiconductor, S. Portland, Maine
Lines: 17
Posted: Thu Sep 6 14:42:44 1990

In article <202@ssc.UUCP>, markz@ssc.UUCP (Mark Zenier) writes:
>
> The main problem with CB ...

The main problem with CB is that the equipment is naturally
a microphone environment. Once the Cub gets hold of a mic then
there is no reason to learn the code. Using the mic is easier,
more efficient and more fun than wracking ones brain trying to
decode code.

Try getting using the sic. Radio Shack Space Patrol walkies
at distances which prohibit voice communications. Better yet,
increase the feedback in their regens to the point where
voice communciations is impossible due to the detector whine.
They will be more sensitive and will provide an automatic bfo.

Ron Todd, K3FR

From -528633737095882691
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2067e2904d6974e3,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 14:25:47 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!decwrl!sun-barr!olivea!orc!inews!megrez.intel.com!fergie
From: fergie@megrez.intel.com
Newsgroups: rec.ham-radio
Subject: ABUSE OF HAM RADIO ETHICS IN talk.politics.mideast
Message-ID: <35@inews.intel.com>
Date: 6 Sep 90 14:45:04 GMT
Sender: news@inews.intel.com
Reply-To: fergie@megrez.intel.com ()
Organization: Microprocessor Component Group, Intel Corp., Santa Clara, CA
Lines: 62
Posted: Thu Sep 6 15:45:04 1990

The following is a posting I made on talk.politics.mideast.
This is in response to an obvious racist!
I do not think that ham radio should be used as a front
for some racist group. Ham radio should be used to
unite people.. not build walls between people.
****

I am insulted as an Amateur Radio Operator by the ARF
postings!!!

```
     Amateur Radio is not , and was not intended to be used as
     an identity for some RACIST NUT who identifies himself
                              ^^^^^  ^^^
     as:  (ARF).Amateur Radio Forum (ARF) NR9Q
```

Amateur Radio is intended to bring countries and people
together.
I would like to give you a very good example!
in March 1990, in Torremolinos Spain at the international
amateur radio union meeting , a delegate from Israel
announced that the ban preventing Israeli amateurs from
talking to Arab nations had been lifted.
It was received with a standing outburst of applause.
The Israel hams, and also the Israel government are
setting an example of the way Amateur radio should be used!

You should also be aware that in many Arab countries
you can be hanged for establishing radio contact with
Israel. It is considered as "espionage" or treason.
Here is where I justify my posting as mideast.politics.
Why is it that just about every where in the world
Radio Amateurs are allowed to establish radio contact
and make friends over the air... but in most Arab
countries this is not allowed. (Jordan is one exception)

While I have not traveled as much as many people on
the net, I have been around and have talked to many
Amateurs in the world, both in person and on the air.
This attitude is NOT prevalent among Amateur Radio

operators, so do not use Amateur Radio to identify
your Racist remarks!
     ^^^^^^
If you want to make up an organization to show how
big and great you are why don't you use the name
OINK for Obnoxious, Idiotic, Naughty, Kids. Think
of the large number of Naughty kids in the world! Much
more than the number of amateur radio operators.
This name would reflect more of the mentality of
your postings, and at the same time afford a word
that would identify you in a more appropriate
fashion than ARF.
Unless the "ARF" stands for the barking sounds that
the mad dog that you are makes, please do not use Amateur
radio as a shield to hide yourself behind.

I offer my Apologies to any PIGS and DOGS offended by
this posting identifying Schmidling with them.

WA6BXP   San Jose California
I also hold
4X/WA6BXP Issued from Tel-Aviv, Israel
VK4BXP   Issued from Cairns, Australia
P43BXP   Issued from San Nicolas, Aruba

From -454538231898003665
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2b93b5837df8317,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 14:27:47 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: 2M HT - which one??
Message-ID: <06.Sep.90.15:45:21.BST.#2364@UK.AC.NWL.IA>
Date: 6 Sep 90 14:30:58 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 48
Posted: Thu Sep 6 15:30:58 1990

Hi; I am planning to buy a 2M HT; anyone got any advice?

What I want::

1) Lots of RF output (3 watts minimum). Dont care about low-power position because i doubt i would ever use it.
2) Big battery packs (enough to give 30+ hours on receive standby, 1 to 2 hours on transmit without changing battery pack)
3) External 13.8v power lead for mobile use.
4) Battery chargeable from 13.8v mobile supply; radio useable while being

charged from mobile supply.
5) Splashproof, rainproof, drop-proof case, pine-needle-proof,
(diecast aluminium case and rubber seals ESSENTIAL)
6) High-selectivity front-end to prevent crossmod and image interference.
7) Robust belt-clip or shoulder-holster for carrying.

What i DONT want!

1) Wide-band coverage (either transmit or receive!)
2) Scanning or priority channel.
3) More than about 3 memories.
4) PL tone
5) Keypad frequency entry (they get damaged when sat on)
6) front-panel LCD frequency displays (they get smashed.....)
7) Hands-free operation, boom-mic headsets etc.

What I dont care about;

1) Weight (it will go in a rucksac)
2) Appearance.
3) Compatibility with any existing accessories (dont have any!)

I've been thinking of one of the Alinco DJ-series (DJ120) even though it has
a few things that i dont want. Anyone know if these are 'bomb proof' as far as
images and crossmod. are concerned?
Other alternative is an IC2 second-user, or a TH26.

What say you good people??

```
Please use the following addresses for reply:          +     "/Natural
                                                       +    "/"Environment
JANET    : PJML@UK.AC.NERC-WALLINGFORD.IBMA            +   "/"/Research
Internet : PJML%IA.NWL.AC.UK@NSFNET-RELAY.AC.UK        +  "/"/"Council
EARN     : PJML%UK.AC.NWL.IA@UKACRL                    +  NERC Computer Services
AX25     : G6WBJ@GB7SDN.GBR.EU  "144.650MHz"           +   Holbrook House
SPAN     : STAR::"PJML%IA.NWL.AC.UK@NSFNET-RELAY.AC.UK +    Station Road
PHONE    : +44 (0)793411613                            +     SWINDON SN1 1DE
FAX      : +44 (0)793411503                            +      GREAT BRITAIN
```

From 3167209267150267376
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8437992010110d6d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 14:58:21 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Scouting the source of Hams
Message-ID: <9009052224.AA17645@tilde>
Date: 5 Sep 90 22:24:36 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet

Lines: 9
Posted: Wed Sep 5 23:24:36 1990

Anyone who is interested in tapping into this source can do his share by
becoming acquainted with, and participating in, the 33rd Scout Jamboree-
on-the-air (JOTA). This is a Scouting activitythat is scheduled for
October 20-21, 1990. This is an attempt to acquaint Boy Scouts with Ham
Radio. If you are interested, contact your nearest scoutmaster. You can
also get information on JOTA from W.W. Dansbury, W5URI, Trustee, K2BSA,
5805 Walla Ave., Ft. Worth, TX 76133 (817) 292-5019. Ask for information
on the 33rd Scout Jamboree-On-The-Air.
73,   Dube   N5PDK

From -6586471433165983191
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ecaa7dc08318bcc3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 16:01:24 PST
Path: gmdzi!unido!mcsun!uunet!midway!ncar!asuvax!cs.utexas.edu!hellgate.utah.edu!
uplherc!wicat!keithm
From: keithm@wicat.UUCP (Keith McQueen)
Newsgroups: rec.ham-radio
Subject: Re: DC Adapter for FT-470?
Message-ID: <494@wicat.UUCP>
Date: 6 Sep 90 23:01:24 GMT
References: <9008301642.AA04515@hls.com>
Reply-To: keithm@wicat.UUCP (Keith McQueen)
Organization: WICAT Systems, Orem, Utah
Lines: 13
Posted: Fri Sep 7 00:01:24 1990

In article <9008301642.AA04515@hls.com> trop@hls.com (Troy T. Pummill) writes:
>Has anyone ever seen/used a DC adapter for the 470 that allowed operation
>at 5W
>
Yes, Yaesu sells one. It cost about $40 if I recall correctly.

I however, being a ham and too cheap to buy one, hacked a connector into
a $12.95 AA alkaline pack.

```
--
 Keith McQueen, Wicat Systems Inc. , (801)224-6400      | My opinions are |
 N7HMF @ NV7V.UT.USA.NA (84058), 147.34+, 449.675-      | all mine...     |
 UPLHERC!WICAT!KEITHM                                   | ...so there!    |
```

From -8219715138067436397
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ef9b608da96aadb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 16:02:28 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!pacbell.com!pacbell!att!cbnewsc!

psfales
From: psfales@cbnewsc.att.com (Peter Fales)
Newsgroups: rec.ham-radio
Subject: Re: What level should hams homebrew
Message-ID: <1990Sep5.230403.15295@cbnewsc.att.com>
Date: 5 Sep 90 23:04:03 GMT
References: <11909@<1990Sep3> <30500714@ux1.cso.uiuc.edu> <3858@rsiatl.UUCP>
Organization: AT&T Bell Laboratories
Lines: 18
Posted: Thu Sep 6 00:04:03 1990

In article <3858@rsiatl.UUCP>, jgd@rsiatl.UUCP (John G. DeArmond) writes:
> Public domain cross assemblers
> are available for the PC and for less than a hundred bux, you can get
> a full simulator for any of the above chips.

How about a pointer to one of these less than $100 8051 simulators!

Thanks,

Peter Fales   AT&T, Room 5B-420
N9IYJ   2000 N. Naperville Rd.
UUCP: ...att!ihlpb!psfales   Naperville, IL 60566
Domain: psfales@ihlpb.att.com   work: (708) 979-8031
--
Peter Fales   AT&T, Room 5B-420
N9IYJ   2000 N. Naperville Rd.
UUCP: ...att!ihlpb!psfales   Naperville, IL 60566
Domain: psfales@ihlpb.att.com   work: (708) 979-8031

From 776324961167369158
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14f22e08f60e1206
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 16:20:37 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!swrinde!ucsd!rutgers!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: biological effects of handheld tran
Message-ID: <30500718@ux1.cso.uiuc.edu>
Date: 6 Sep 90 06:15:00 GMT
References: <49.UUL1.3#1@vortex.COM>
Lines: 7
Nf-ID: #R:<49.UUL1.3#1@vortex.COM>:-24:ux1.cso.uiuc.edu:30500718:000:357
Nf-From: ux1.cso.uiuc.edu!phil   Sep 6 01:15:00 1990
Posted: Thu Sep 6 07:15:00 1990

I have heard, but cannot recall the source, that 440 Mhz is MORE dangerous
than 1240 Mhz, watt for watt, due to an absorption peak in biological tissue

around the 70cm band. Has anyone else heard this?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -6009820314320822534
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,59032712f617fbc9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 16:20:41 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!
rutgers!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Inversion scrambling
Message-ID: <30500720@ux1.cso.uiuc.edu>
Date: 6 Sep 90 07:16:00 GMT
References: <suBwo1w162w@tosspot.UUCP>
Lines: 10
Nf-ID: #R:<suBwo1w162w@tosspot.UUCP>:-26:ux1.cso.uiuc.edu:30500720:000:363
Nf-From: ux1.cso.uiuc.edu!phil   Sep 6 02:16:00 1990
Posted: Thu Sep 6 08:16:00 1990

> Can anyone tell me if simple frequency inversion scrambling
> is in much use (if any) at all on HF and up?

Yep, all amateur SSB communication below 10 Mhz uses it. :-)

(hint: it's called lower sideband)

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -6614743531277164674
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed744fa80975998c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 16:24:34 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
samsung!umich!sharkey!wyn386!wybbs!n8ilf
From: n8ilf@wybbs.mi.org (Richard Pestrue)
Newsgroups: rec.ham-radio
Subject: azden pcs-3000
Keywords: PL's
Message-ID: <442@wybbs.mi.org>
Date: 6 Sep 90 06:01:32 GMT
Organization: Consultants Connection, Jenison MI
Lines: 4
Posted: Thu Sep 6 07:01:32 1990

Does anyone out there know how to set the pl tones in a azden pcs-3000?
Well if you do then I would also like to know :)

N8ILF@wybbs.mi.org

From 42912915021762169
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96f2a4347734d91,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 16:26:15 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!rsiatl!jgd
From: jgd@rsiatl.UUCP (John G. DeArmond)
Newsgroups: rec.ham-radio
Subject: Re: Single Board Computers (was Re: What level)
Message-ID: <3910@rsiatl.UUCP>
Date: 6 Sep 90 04:29:36 GMT
Organization: Radiation Systems, Inc. (a thinktank, motorcycle, car and gun works facility)
Lines: 20
Posted: Thu Sep 6 05:29:36 1990

cep@cci632.UUCP (co-op) writes:

>Hmm. I CAN NOT in good conscience suggest that ANYBODY fool with BASIC
>unless they're SURE the project is SO small that it's REASONABLE; otherwise,
>when BASIC decides to garbage collect (or equivilent idiotic operation) and
>things grind to a halt, you'll wind up frustrated.

Ahhh, a language bigot and a very uninformed one to boot. If you understood the architecture of the processors and the implementation of BASIC, you'd never make such a foolish statement. Garbage collection on a microcontroller - what a riot.

John

```
--
John De Armond, WD4OQC  | We can no more blame our loss of freedom on congress
Radiation Systems, Inc. | than we can prostitution on pimps.  Both simply
Atlanta, Ga             | provide broker services for their customers.
{emory,uunet}!rsiatl!jgd|  - Dr. W Williams |                **I am the NRA**
```

From 3061409381024628310
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,94f15ea4edfc4ac3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 16:33:05 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio

Subject: Re: Antenna question. Help!
Message-ID: <39672@cci632.UUCP>
Date: 6 Sep 90 13:27:06 GMT
References: <90248.190939DOW@MAINE.BITNET>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 30
Posted: Thu Sep 6 14:27:06 1990

In article <90248.190939DOW@MAINE.BITNET> DOW@MAINE.BITNET (Michael R. Dow) writes:
>Due to space constraints, I can't put a regular dipole for my 10 meter
>rig in my apartment. What I want to build is something like this:

[crazy picture omitted to save space]

>Would something like this work? Yes? No? Why?

When I lived in an apartment (i.e. until 1 week ago) I tried all kinds of crazy stuff like this ... my favorite method was to run a long wire along the ceiling, 1/2 way around the room (in other words, from one corner to the opposite one), and down.

I'm pretty inexperienced when it comes to antennas, but my thoughts on the matter are that some sort of tuner is necessary (I spent ~$100 for mine - I specifically looked for one that tuned random wires), and that random sorts of wires work best if you pick one plane and try to stick with it, or at most two planes.

On the other hand, I *NEVER* had good luck with indoor dipoles; they would only tune with the transmatch with great difficulty. This suggested to me that the effeciency of the operation was very low.

Another neat effect to watch out for: in one RIT apartment complex, 10 meters at a few watts *WILL* set off the fire alarm :-) (I never tried to do it from across the street :-))

73's and best of luck!

Chris/WZ2B

From 4459117480715535980
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae8dc54feb722c6a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 16:50:51 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!julius.cs.uiuc.edu!apple!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Re: "Long Distance" CPO (Code Practice Oscillator)
Message-ID: <3920@altos86.Altos.COM>

Date: 6 Sep 90 23:50:51 GMT
References: <12280014@hpspdra.HP.COM> <1990Sep4.090250@ultnix.enet.dec.com>
<29503@nigel.ee.udel.edu>
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 14
Posted: Fri Sep 7 00:50:51 1990

In article <29503@nigel.ee.udel.edu> masters@freezer.it.udel.edu (paul masters)
writes:

>distance. Problem is, you would not be working with sound, and filiment heat up
>and cool down time will slow you down.

Do what the Navy does: keep the bulb on all the time and use a shutter to form
the code elements.

```
--
Jerry Gardner, NJ6A                        Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos!jerry   2641 Orchard Parkway
Internet: jerry@altos.com                  San Jose, CA  95134
Guns don't kill people, bullets do.                 (408) 432-6200
```

From -2635976536794553779
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14f22e08f60e1206
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 16:51:18 PST
Path: gmdzi!unido!mcsun!uunet!ncrlnk!ncrwic!encad!enint!hburford
From: hburford@enint.Wichita.NCR.COM (Harry Burford)
Newsgroups: rec.ham-radio
Subject: Re: biological effects of handheld transceivers?
Message-ID: <654@enint.Wichita.NCR.COM>
Date: 6 Sep 90 23:51:18 GMT
References: <49.UUL1.3#1@vortex.COM> <3883@sactoh0.SAC.CA.US>
Organization: NCR Corporation, Wichita, KS
Lines: 20
Posted: Fri Sep 7 00:51:18 1990

jre@sactoh0.SAC.CA.US (Jim Earl) writes:

|>>Does anyone out there have any reasonably up-to-date information on
|>>biologic effects (e.g. brain effects).

|>I haven't read anything official, but I know that when I transmit
|>on my 4-watt 440 hand-held into the rubber duckie, I will get a
|>headache within about 5 minutes of intermittent operation. That is
|>why I usually use low power, which doesn't give me headaches. The
|>same thing happens to my friend with a comparable radio.
|>--

I noticed that, too.   Especially on 440 and not as much on 2m. I
use an external antenna and a speaker mic. at every opportunity.

--
Harry Burford - NCR Peripheral Products Division
PHONE:316-636-8016 TELEX:417-465 FAX:316-636-8889   CALL:KA0TTY
SLOWNET:3718 N. Rock Road, Wichita KS   C-$erve:76226,2760
                       SS: 9.5   Harry.Burford@Wichita.NCR.COM

From 845666265668657539
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8078d3419b2a80ab,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 18:06:46 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!cs.cciw.ca!U009
From: U009@cs.cciw.ca
Newsgroups: rec.ham-radio
Subject: Tune up for Hustler 2M Collinear antenna
Message-ID: <5A09060F11170136-MTACY830*U009@cs.cciw.ca>
Date: 6 Sep 90 18:25:16 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Thu Sep 6 19:25:16 1990

I recently bought a used Hustler CGT-144 collinear antenna for 2 Metres and
of course, it doesnt have tuneup instructions.
This antenna seems to be a 1/2 wave whip atop a phasing section (and possibly
radiator) about 1/4 wave long, all atop a shortened 1/4 wave element.
How do I tune it up? There are length adjustments on the bottom and top of the
phasing section and an adjustment at the very bottom. If someone who has one
of these beasts could paraphrase the instructions for minimum SWR, max smoke,
I would appreciate it.

And yes, I drilled the hood and put a large Hustler 3 bolt mount there. (
('77 Rabbit, so I guess I didn't hurt the re-sale value too much :-))

I haven't received much in the way of digests lately, so maybe you better
email me direct and I'll post to the net if anyone else asks.

Regards, Stu Beal, VE3MWM, (U009@CS.CCIW.CA),
National Water Research Institute,
Burlington, Ontario, Canada.

The future lies ahead. And behind us lies, lies... lies.

From 8478203201011761430
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c9acbeaf255102e,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-09-06 18:08:41 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!intelhf!donk!jerry
From: jerry@donk.UUCP (jerry)
Newsgroups: rec.ham-radio
Subject: Call sign question
Message-ID: <642@donk.UUCP>
Date: 6 Sep 90 18:21:37 GMT
Reply-To: jerry@orion1.hf.intel.com (Jerry Gaiser)
Organization: Development Tools - iNTeL Corp. Hillsboro, Oregon
Lines: 23
Posted: Thu Sep 6 19:21:37 1990

Ok.. I'm just about ready to get my license again.

My original license expired in April '83.

I was told by a ham here at work that I could request my old
call-sign if it hadn't been issued to someone else.

Is there any truth to this? If so, how do I go about it?
I'm going to be taking my Novice test from hams here at work
and hopefully take my Technician test in October.

Thanks --

```
***************************************************************************
* Intel may own me body and soul, but these opinions are MINE. So there.  *
*-------------------------------------------------------------------------*
* jerry@orion1.hf.intel.com         You can find me either here or        *
* jerryg@bucket.uucp                there or                              *
* 74176.1024@compuserve.com         here                                  *
*-------------------------------------------------------------------------*
* Diplomacy is the art of saying 'nice doggie' until you can find a rock. *
***************************************************************************
```

From -2747614044078978386
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96f2a4347734d91
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 20:33:35 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!rutgers!njin!princeton!
idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: Single Board Computers (was Re: What level)
Message-ID: <771@idacrd.UUCP>
Date: 6 Sep 90 14:26:13 GMT
References: <3910@rsiatl.UUCP>
Organization: idacrd, princeton, nj
Lines: 33
Posted: Thu Sep 6 15:26:13 1990

From article <3910@rsiatl.UUCP>, by jgd@rsiatl.UUCP (John G. DeArmond):
> cep@cci632.UUCP (co-op) writes:
>
>
>>when BASIC decides to garbage collect (or equivilent idiotic operation) and
>>things grind to a halt, you'll wind up frustrated.
>
> Ahhh, a language bigot and a very uninformed one to boot. If you
> of BASIC, you'd never make such a foolish statement. Garbage
> collection on a microcontroller - what a riot.

John:

Perhaps you would be so kind as to explain why I got so many of these
garbage collection statements way back when I wrote basic (it was the
only high level language at the the time) for Commodore. I wrote an
editor in basic and garbage collection would occur and I would wait
for many minutes. I program assembler on fifteen different processors
the last time I counted, and have written code for more computers than
most people even know exist. I do not consider it to be a sin that
I do not either know or understand what you are talking about. How about
a little information and a little less snot?

Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From 1232471060317618150
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,33a6b95b91e0d38a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 21:56:11 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!CONSRT.ROK.COM!nix%muppet.decnet
From: nix%muppet.decnet@CONSRT.ROK.COM ("MUPPET::NIX")
Newsgroups: rec.ham-radio
Subject: Astron Power Supply/MFJ Antenna Tuner
Message-ID: <9009061705.AA13389@ucsd.edu>
Date: 6 Sep 90 18:06:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 29
Posted: Thu Sep 6 19:06:00 1990

A few comments here ... tied-in with the "why'd my Astron Power Supply shut-down" `thread' (perhaps more properly this should be considered a `detour' titled "why you might have too much RF in your shack").

One of the guys, who responded to the "why'd my Astron PS quit?" `thread', made mention of his having been fiddling with his MFJ tuner when his Astron PS shut-down (his PS recovered when he cycled it `off-on').

A few months ago I was shocked (!) to realize that my little MFJ antenna tuner (I think it's a 941C ... it's about 8 or 9 years old) HAS NO RF INSULATION between the `hot' tuning capacitor shafts and the plastic knobs on the front of the tuner.

The plastic knobs ARE THE INSULATORS!

I noticed this after observing that, while `tuning' my balanced-fed dipole on 24 MHz, the reflected power (on my nice old Drake power meter) changed a bit, when I touched the MFJ's knobs, as opposed to the meter reading when my hand was away from the tuner. I pulled the MFJ tuner's top off and, "hmmm ... where's the insulators?".

It seems reasonable that, when that sort of situation exists, it's likely that the RF level in the shack might momentarily rise when your hands can act as a local radiator, perhaps enough to `trigger' an unexpected shut-down of an overly RF-sensitive power supply?

Paul Nix, WB5AGF   InterNet: nix%muppet.decnet@consrt.rok.com

---

From -4047818759848666115
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,23e2727a828e5231,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 22:18:48 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!WABASH.BITNET!PERRYR
From: PERRYR@WABASH.BITNET (GWYFFD)
Newsgroups: rec.ham-radio
Subject: Alinco HT's and Call Plates
Message-ID: <9009061730.AA15311@ucsd.edu>
Date: 6 Sep 90 17:23:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Thu Sep 6 18:23:00 1990

Does anyone out there have Alinco DJ-160-T out-of-band mods? I've been planning, but since my C.O. is out of town, I can't even get the info from Alinco legally until October........

Also, any opinions on Alinco rigs (specific or general)? I've been fairly happy with mine, but have had some problems with accessories (the wall charger that put out 31v at 5A was a good one).

Well, I gotta go for now.

73s,

KB2JAC/9
Todd Perry
PERRYR@WABASH.BITNET

P.S. In Indiana, call plates are $2 more than regular plates. They never had a problem with an out of state call (see mine), although I had to convince a dizzy blond at the counter that ham calls didn't HAVE to be XX9XXX or something like that..... RTP.

```
From -3759007126204268762
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,167d8dca7ddec7c9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 22:27:50 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!sulaco.enet.dec.com!judice
From: judice@sulaco.enet.dec.com ("Lou Judice, 908-562-4103  06-Sep-1990 1335")
Newsgroups: rec.ham-radio
Subject: Strange sweeping signal at 158.04 Mhz
Message-ID: <9009061742.AA16711@decpa.pa.dec.com>
Date: 6 Sep 90 17:42:21 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18
Posted: Thu Sep  6 18:42:21 1990
```

Hi there. Last night I was playing with the R7000 in my home in NJ and came upon a very strong (signal strength 9) signal at appx. 158.04 Mhz. It sounded like an unmodulated carrier, but the ODD thing was that it was sweeping from about 158.01 to 158.06 Mhz approximately every 10 seconds. This was around 12 midnight. This morning the signal was gone.

I checked around the house - unplugging things - and the source was not there. I also double checked it on a Bearcat BC205 handheld scanner and the signal was there too.

Very strange. Whatever it was, it seemed VERY close. The time of day made me think it might be some sort of wireless security system, but the sweeping action makes no sense to me.

Any ideas?

Lou

```
From 7735147233090655602
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,39b5894293f5be34
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 22:45:15 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!husc6!bunny!dhp1
From: dhp1@GTE.COM (Dave Pascoe)
Newsgroups: rec.ham-radio
Subject: Re: MININEC
Message-ID: <9685@bunny.GTE.COM>
Date: 6 Sep 90 17:33:29 GMT
References: <9009061414.AA04389@ucsd.edu>
Organization: GTE Laboratories, Waltham MA
Lines: 7
Posted: Thu Sep 6 18:33:29 1990

MININEC3 is available by anonymous ftp from wuarchive.wustl.edu. It is located in mirrors/msdos/hamradio as mininec3.arc.

```
--
Dave Pascoe      |  Internet: pascoe@edcd.gte.com
KM3T             |            dhp1@gte.com
                 |      UUCP: ..!{harvard}!gte.com!dhp1
```

From -2862248394867609429
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,625a0fec958404aa
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9532,625a0fec958404aa
X-Google-Attributes: gidf9532,public
X-Google-Thread: 105d97,625a0fec958404aa
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-09-06 22:46:38 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!apple!portal!cup.portal.com!mmm
From: mmm@cup.portal.com (Mark Robert Thorson)
Newsgroups: rec.ham-radio,misc.wanted,sci.electronics
Subject: Re: 7587 Nuvistors Wanted
Message-ID: <33597@cup.portal.com>
Date: 6 Sep 90 16:41:34 GMT
References: <1990Sep5.192248.14168@tc.fluke.COM>
Organization: The Portal System (TM)
Lines: 9
Xref: gmdzi rec.ham-radio:14648 misc.wanted:5333 sci.electronics:8359
Posted: Thu Sep 6 17:41:34 1990

Wow, there's a subject I haven't thought about for a long time. For those of you who don't know what a Nuvistor is, it's a tiny vacuum tube which was the last gasp of thermionic technology in the fight with semiconductors for the general-purpose amplifier market. Nuvistors came in tiny little stainless-steel cans delibrately designed to look like transistors.

There's a small bag of them in my dad's workshop, unless he threw them away.

I'll see if they're still there. What are you planning to do with them?

From -2608495928463344065
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df3284a9dc5bbb7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 23:34:42 PST
Path: gmdzi!unido!mcsun!uunet!motcid!svec
From: svec@motcid.UUCP (Larry Svec)
Newsgroups: rec.ham-radio
Subject: Re: Metropolitan Area Positioning System
Message-ID: <4569@feldspar2.UUCP>
Date: 6 Sep 90 16:57:26 GMT
References: <115.26E334FA@w8grt.fidonet.org>
Organization: Motorola Inc. - Cellular Infrastructure Div., Arlington Heights, IL 60004
Lines: 18
Posted: Thu Sep 6 17:57:26 1990

regarding...Jim Grubs, W8GRT note...

[When I'm in a mellow mood, ask me about the Ohio-Michigan War of 1837, as a result of which the state line was moved several miles north. My town went from Michigan to Ohio.]

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT

..... they figured that would be ok to move the state line since the
..... people living in that area would still be in the '8' callsign area
..... and would not have to run right out and get new QSL cards and
..... 8-land license plates!
--
Larry Svec - KD9OF     (good in 1987 or newer callbooks)
      home: 708-526-1256
      work: 708-632-5259    fax: 708-632-2413, -3741
    e-mail: uunet!motcid!svecl
```

From -3975191681767938936
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd98530068fc2d43
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 23:35:43 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!mips!twg.com!obelix!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: Re: 6 meters
Message-ID: <7903@gollum.twg.com>
Date: 6 Sep 90 18:11:59 GMT

```
References: <141793@sun.Eng.Sun.COM> <1990Sep5.153223@grump2.zko.dec.com>
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 35
Posted: Thu Sep  6 19:11:59 1990

In article <1990Sep5.153223@grump2.zko.dec.com> coolidge@grump2.zko.dec.com
(Bayard R. Coolidge ULTRIX CSSE) writes:

]However, I've paraphrased it below for your convenience. You should double
]check the FCC Rule Book and other amateur publications to ensure you're
]operating legally.  (Some of the segments overlap slightly - there may be
]some local gentlemen's agreements)
]
]       50.0 - 50.100   CW ONLY (FCC RULE !)
]    50.060-50.080 Automatically controlled beacons [List in ARRL Rptr Dir]
]       50.1- 50.600    SSB/AM
]    50.110    SSB DX calling freq. (pls move off once contact made)
]    50.200    National SSB Calling freq (Move off as above; down for DX, up
]                for local)
]    50.400    AM calling frequency
]       50.600-51.0     Experimental and Special Modes
]    50.61-50.78   Meteor Scatter/Duplex, paired with 51.61-51.78
]    50.70     RTTY
]    50.8 - 50.98  Radio Control (of models), channels on 20(?) kHz raster.
]       51.0 - 51.100   Pacific DX window
]       51.1 - 52.000   FM Simplex and special modes
]    51.61-51.78   Meteor Scatter/Duplex, paired with 50.61-50.78
]    51.700    National Packet calling frequency
]       52.00 - 52.05   Pacific DX window
]       52.05 - 54.0    FM Simplex and Repeaters, 20 kHz raster starting on
]                        "52.01"
]              Repeater Split 1.0 MHz, high-in vs. low-in check locally
]    52.49, 52.51, 52.525 FM Simplex, '.525 National FM Calling Frequency.
]
Let me hasten to add...the frequencies 53.1, 53.2, 53.3, 53.4, 53.4, 53.5,
53.6, 53.7, and 53.8 are also used for radio control of model planes, cars,
boats, etc.  The ARRL has been trying to steer us into the 50 MHz band, but
I would hazard a guess that there are more people doing R/C on 53 than 50.
This is all at 1 watt max, so we won't interfere with you; the converse,
however, is CLEARLY not true.


From -2360861468699257551
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,167d8dca7ddec7c9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 23:38:17 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!shelby!neon!kaufman
From: kaufman@Neon.Stanford.EDU (Marc T. Kaufman)
Newsgroups: rec.ham-radio
Subject: Re: Strange sweeping signal at 158.04 Mhz
```

Message-ID: <1990Sep6.183820.7650@Neon.Stanford.EDU>
Date: 6 Sep 90 18:38:20 GMT
References: <9009061742.AA16711@decpa.pa.dec.com>
Organization: Computer Science Department, Stanford University
Lines: 15
Posted: Thu Sep 6 19:38:20 1990

In article <9009061742.AA16711@decpa.pa.dec.com> judice@sulaco.enet.dec.com ("Lou Judice, 908-562-4103 06-Sep-1990 1335") writes:

>Hi there. Last night I was playing with the R7000 in my home in NJ and
>came upon a very strong (signal strength 9) signal at appx. 158.04 Mhz.
>It sounded like an unmodulated carrier, but the ODD thing was that it was
>sweeping from about 158.01 to 158.06 Mhz approximately every 10 seconds.
>This was around 12 midnight. This morning the signal was gone.

Ultrasonic bug and rodent repellers tend to have spurious emissions in this area. The sweep rate tracks the sweep knob on the unit. They can be quieted by putting RF bypass caps (.01 uf) across the power supply jack and across the speaker (transducer). Their effective range is 500-1000 feet, so the unit should be close by.

Marc Kaufman (kaufman@Neon.stanford.edu)

From 726125143983015221
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,530c597b19c16d6d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 00:18:28 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!STL-06SIMA.ARMY.MIL!wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: Re: Costs...
Message-ID: <9009061923.AA22752@ucsd.edu>
Date: 6 Sep 90 19:22:39 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 55
Posted: Thu Sep 6 20:22:39 1990

Responding to an old thread -- I'm just catching up on back traffic:

Referring to spectrum space, you mention:
>   If a valuable limited commodity were not given to you for FREE (how do
>   you like that word now?), it could help reduce my phone bill, hence I'm
>   paying for your hobby through my phone bill.

In this you are stating that hams have been "given" spectrum space. I take an opposite view, and I am not a licensed ham, and never have been, so therefore could be considered to have a more objective viewpoint than a ham might. Who "owned" the spectrum in the first place? This is essentially the same as the question of ownership of any non-manufactured resource, such as land, ore, fish in the sea, etc. The actual truth is that whoever seized it first, and could enforce the holding of that resource, "owns" it. When someone or something with greater power comes along and takes it, there is a new "owner".

Given that viewpoint, I say that hams (speaking here in the broad generic sense of radio hobbyists and experimenters and scientists in the late 19th and early 20th century, not narrowly of the licensed amateur) actually were the first owners of the spectrum. Their efforts made it available. When technology made it more accessible, governments imposed themselves upon the scene and seized control of this resource. So your argument is false -- it's not that the hams have been "given" anything; it's that the vast majority of what they had was taken from them, by force (since everything governments do is by force, in reality), leaving them only a few crumbs as a token.

And, as a secondary point, since the subject of this discussion was "Costs": One of the primary reasons that amateur radio is valuable as an emergency communications resource is that the purchase, maintenance, and upkeep of the equipment and the training/time of the operators is free to the general public. It isn't necessary for tax dollars to be expended to buy and maintain the radios -- the hams do it themselves out of their own pockets. It isn't necessary to employ the operators, pay for their training and pay them for their time -- they do it themselves for no recompense. This same point came up on this list some years back in a discussion of disaster-relief efforts in third-world countries. In many cases, when catastrophes struck in such lands, and the emergency-relief supplies that were supposed to be in warehouses stored up for such an event were sought, it turned out that they were simply not there. The funds for their acquisition had been skimmed by corruption, or donated/bought materiel had been stolen and sold on the black market. If emergency communications had depended on such resources, there would have been nothing there to use. Ham radio equipment and operators, provided at no cost to the affected country and coming in from outside after the disaster occurred, provided more support than would have been possible if an "official" indigenous communications system were relied upon. While that is an extreme example, the "tax revolt" and budget crises in state & local governments here certainly limit the amount that can be spent for emergency communications that may never be used. Having free ham support appear in times of need is a most valuable contribution.

Regards, Will
wmartin@st-louis-emh2.army.mil OR wmartin@stl-06sima.army.mil

From 2898535390193517913
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5bb9166a13e189b7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 00:52:46 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!HICKAM-EMH.AF.MIL!1843eie

From: 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE")
Newsgroups: rec.ham-radio
Subject: Call Plates
Message-ID: <9009061921.AA26700@server.af.mil>
Date: 6 Sep 90 19:41:46 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 48
Posted: Thu Sep 6 20:41:46 1990
X-Unparsable-Date: 4 Sep 90 08:48:00 GMT-10:00

INTEROFFICE MEMORANDUM

Date: 4-Sep-1990 08:45am HST
From: 1843EIG/EIE
1843EIE
Dept: 1843EIG/EIE
Tel No: 656-1158

TO: Remote Addressee (_INFO-HAMS%UCSD.EDU@SERVER.AF.MIL)

Subject: Call Plates

>In article <44432pple.Apple.COM> winterpple.COM (Patty Winter) writes:
>>
>>p.s. This may or may not be relevant. Last weekend, while driving
>>through the East Bay and Napa County, I saw several license plate
>>*frames* with the characters KA 4993. Does anyone know what this is? I
>>thought maybe it was a CB call, until I saw it on several different
>>vehicles. (I guess it had too short a prefix for that, anyway.) For all
>>I know, it might be Chapter 4993 of the Kappa Alpha fraternity; it
>>might have nothing to do with the electromagnetic spectrum. Ideas?
>
> KA4993 is the call of the California Highway Patrol. It is quite common
>for people to make license plate frames bearing the call of local law
>enforcement agency; KMA367, the LAPD call, is quite common around LA.

I used to see these all the time back in the early 80's during my commutes to UCLA and wondered what they were...kinda figured they were someone's callsign.

>
> I have a KA4993 frame on one of my motorcycles; I bought a used bike
>from a friend who also happens to work for the state, as a patrolman. He
>kinda laughed and said, "Maybe that will help keep you from getting too
>many tickets". Usually, family members end up with these things... though
>anyone can legally buy/display them...

Can I ask you why? What's the point of displaying the cops' callsign on your car? Maybe (as you say) to avoid tickets? Lotsa people out here have

SHOPO (State of Hawaii Organization of Police Officers, the cops' "union")
stickers on their cars for the same reason, I guess.

73,
Jeff WD6CQV/KH6   AFA8JM
1843EIE"at"Hickam-EMH.AF.MIL

From 2918771709683158782
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,45e165e2725d1b25,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 05:31:56 PST
Path: gmdzi!unido!mcsun!uunet!samsung!think.com!snorkelwacker!apple!tomas
From: tomas@Apple.COM (Tom Taylor)
Newsgroups: rec.ham-radio
Subject: Heathkit AT-1 Transmitter
Message-ID: <44589@apple.Apple.COM>
Date: 6 Sep 90 21:47:29 GMT
Organization: Apple Computer Inc., Cupertino, CA
Lines: 11
Posted: Thu Sep 6 22:47:29 1990

I found an old Heathkit AT-1 transmitter at a junk yard. The owner gave
it to me free. I brought it home, took off the cover, turned it on, plugged
it into a dead outlet, took bodily cover, and turned on the circuit-breaker
controlling the dead outlet. No explosion. No smoke. But the tubes
(it has three) lit up.

Does anybody know anything about this 4-band (80,40,20,10) CW transmitter?
Anybody have a manual or know of a source?

Thanks,
Tom Taylor AA6BR

From 2888436519494047152
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,686a878a3c7c3fc7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 06:53:57 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!umich!yale!think.com!sdd.hp.com!
zaphod.mps.ohio-state.edu!wuarchive!psuvax1!psuvm!mls129
From: MLS129@psuvm.psu.edu (Michael L. Sensor)
Newsgroups: rec.ham-radio
Subject: Need recent callsign assignments
Message-ID: <90249.172813MLS129@psuvm.psu.edu>
Date: 6 Sep 90 21:28:13 GMT
Organization: Penn State University
Lines: 10
Posted: Thu Sep 6 22:28:13 1990

Does anyone have the FCC's August list of callsign assignments?

All I really need is the 3rd district assignments. Please E-mail them
to this address.

Thanks..

Mike Sensor KD3LR / AFA1UP <MLS129@PSUVM>
Penn. State Altoona Campus
Altoona PA

From 8576125472862922871
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb69e5c2a2f5c75c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 07:04:42 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!
AI.MIT.EDU!taalebi
From: taalebi@AI.MIT.EDU (Ali Taalebi)
Newsgroups: rec.ham-radio
Subject: ICOM R1 Receiver?
Message-ID: <9009062253.AA00438@wenger.ai.mit.edu>
Date: 6 Sep 90 22:53:28 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Thu Sep 6 23:53:28 1990

I have heard that ICOM R1 is a tiny radio with a wide range of
receiving frequency.
Unfortunately it seems that it isn't available in the US yet.

I wonder if anyone knows of any way of ordering it from here (US),
Japan or somewere else?

```
--73's de N1HPP
      __   _  Ali Taalebi
    /   ) //  MIT AI Lab.
   /- -/ // o Room NE43-753
  /   /_</_<_ (617) 253-8005
         ali@ai.mit.edu
```

From 1883352771544434704
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3fd23e40fc908421
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 08:57:29 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!asuvax!anasaz!qip!rusty

From: rusty@qip.UUCP (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: Press Screwups (was Good Ham PR from MARS)
Message-ID: <4410@qip.UUCP>
Date: 7 Sep 90 15:57:29 GMT
References: <9009041848.AA22919@uunet.uu.net>
Reply-To: rusty@qip.UUCP (Rusty Carruth)
Organization: Anasazi Inc, Phoenix AZ
Lines: 27
Posted: Fri Sep 7 16:57:29 1990

In article <9009041848.AA22919@uunet.uu.net> 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE") writes:
>
><Description of how messed up the news can be as far as facts goes, deleted>
>...
>But why in the h*ll can't the press cover technical topics without totally
>screwing them up?!
>
>73,
>Jeff WD6CQV/KH6 AFA8JM/AFF8A/AFF8P

Simple. Because the press cannot cover ANY topic without a very high chance of messing up on their facts. It was pretty sad to see how badly the press messed up when reporting 'facts' having to do with the Daisy/Cadnetix chapter 11 filings and so forth. Actually, having been involved in other issues (some of which the press is actively biased against), I was not too surprised to see how careless they were. Contrary to popular opinion, the press is not there to supply you with facts. Their first goal is to continue in business. Their second goal? Who knows! (And I bet that discussing it will devolve into quite a flame war, too.) (Notice that I did not say anything about 'profit', only about the survival of the business.)

In an attempt to forstall (forestall?) flames, when I say 'they' above, I do not mean to imply anything about any single member of the press.

Most all disclaimers should be applied to the above, also :-)

From 8298263705110025160
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,69508e97ab591607,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 09:27:59 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!tektronix!sequent!mntgfx!mbutts
From: mbutts@mentor.com (Mike Butts)
Newsgroups: rec.ham-radio
Subject: Green stamps vs. IRCs for DX QSLs?
Message-ID: <1990Sep7.162759.4420@mentor.com>
Date: 7 Sep 90 16:27:59 GMT
Organization: engr

Lines: 26
Posted: Fri Sep 7 17:27:59 1990

I've been having a great time working DX on OSCAR-13. I'm up to 27 countries worked since May, including China, Peru, USSR, etc., and while I've been licensed for many years, it's my first real DXing. Now it's time to get some of these QSOs confirmed!

When I QSL direct to rare DX, I include a self-addressed envelope, and one or two IRCs. I know many hams would prefer to get a "green stamp" (1 US dollar), as it would go farther, maybe to air mail or whatever, but I also know some countries don't permit their people to possess foreign currency and I certainly don't want to get anybody in trouble. Also there is the increased risk of theft. So I know one must be conscious of this, but I don't have a clear idea of exactly which countries should get IRCs only, and which ones are OK for $$. I hoped the Int'l Callbook would have some guidance, but no luck.

I'd appreciate hearing some specific advice on this subject, either by email or posting. Thanks and good DX to you.

--73 de KC7IT

By the way, there's generally a fine bunch of ops on the bird, far more civilized than what I'm hearing about 20m.

--
Michael Butts, Research Engineer   KC7IT   503-626-1302(fax:1282)
Mentor Graphics Corporation, 8500 SW Creekside Place, Beaverton, Oregon   97005
...tektronix!sequent!mntgfx!mbutts   uunet!mntgfx!mbutts   mbutts@mentor.com
Any opinions are my own, and aren't necessarily shared by Mentor Graphics Corp.

From -2603579494125976004
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c9acbeaf255102e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 09:53:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!dali.cs.montana.edu!ogicse!intelhf!donk!jerry
From: jerry@donk.UUCP (jerry)
Newsgroups: rec.ham-radio
Subject: Re: Call sign question
Message-ID: <643@donk.UUCP>
Date: 7 Sep 90 16:53:58 GMT
References: <642@donk.UUCP>
Reply-To: jerry@orion1.hf.intel.com (Jerry Gaiser)
Organization: Development Tools - iNTeL Corp. Hillsboro, Oregon
Lines: 14
Posted: Fri Sep 7 17:53:58 1990

Thanks to all who replied..

It looks like I can throw all those WB7RHQ QSL cards away.. Oh well..

```
***************************************************************************
* Intel may own me body and soul, but these opinions are MINE. So there.  *
*-------------------------------------------------------------------------*
* jerry@orion1.hf.intel.com         You can find me either here or        *
* jerryg@bucket.uucp                there or                              *
* 74176.1024@compuserve.com         here                                  *
*-------------------------------------------------------------------------*
* Diplomacy is the art of saying 'nice doggie' until you can find a rock. *
***************************************************************************
```

```
From -3213654799342433423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae8dc54feb722c6a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 11:35:44 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: "Long Distance" CPO  (Code Practice Oscillator)
Message-ID: <18230036@hpfcdj.HP.COM>
Date: 7 Sep 90 18:35:44 GMT
References: <12280014@hpspdra.HP.COM>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 25
Posted: Fri Sep  7 19:35:44 1990
```

>A prize will be awarded to the first person who can do this
>using _one_ wire.

Well, gee, my transceiver does it using NO wires - does that count? :-)

If you insist on just one wire, then -

```
                            wire
    [ your circuit]------------------------------------[your circuit]
          |                                                   |
          |<---copper rods                                    |
------------------------------------------------------------------------------
          |                                                   |
          |         Dirt and/or sea water                     |
          |                                                   |
```

There may be some range problems, and I'm sure it'd work better with
some really BIG batteries, but it IS only one wire! What'd I win? :-)

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
```

myers@fc.hp.com | sentient life-form on this planet.

From 854428775274425341
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61d586fc40130b49,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 12:24:10 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!noose.ecn.purdue.edu!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: MARS Operational Status
Message-ID: <118.26E68F8D@w8grt.fidonet.org>
Date: 6 Sep 90 21:14:29 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 45
Posted: Thu Sep 6 22:14:29 1990

> From: abn@mentor.cc.purdue.edu (Ken Adams)
> Date: 5 Sep 90 08:41:08 GMT
> Organization: Purdue University
> Message-ID: <13633@mentor.cc.purdue.edu>
> Newsgroups: rec.ham-radio
>
>
> With the recent deployment of troops to the Middle East, I have been
> asked about MARS. What times, frequencies, etc. are being used? Who is
> coordinating traffic? Are there nets specific to each branch of the
> service I.E. Air Force, Army, Navy, etc.? I need information to pass on
> to local hams that might wish to volunteer their services.

MARS is not a funny kind of ham radio named after a candy bar. Each service has its own program (coordinated at the top by a Joint MARS Chief Committee).

A ham may join the program of his choice, but it not as simple as learning the time and frequency and showing up with a cheery "I'm here!" You join by filing applications with the State MARS Director for your state. If and when you are accepted, you are assigned to a training net. Once training is completed, you will be assigned to one or more administrative nets and one or more traffic nets. Except for Navy MARS and ships at sea and for phone patching nets (both of which are tightly restricted), CONUS affiliate memebers are almost never permitted to exchange trafffic with stations outside CONUS. Even contact between the services is rare.

The training is primarily in handling traffic using the official NATO format and procedures, both of which are considerably different from ARRL NTS procedures.

MARS activity can be a satisfying, but there are two things to keep in mind: <1> it is NOT a hobby activity; it's a MILITARY program to meet military goals; <2> they want it done THEIR way and hams who join up with the attitude

"I'll do you a favor and show you how it ought to be done" will find
themselves invited to leave.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  __________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From 7057105511810440501
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c213ea854d2f3237
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 12:27:31 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!ai-lab!rice-chex!tk
From: tk@rice-chex.ai.mit.edu (Tom Knight)
Newsgroups: rec.ham-radio
Subject: Re: Inductance of ferrite-rod loop antenna?
Keywords: ferrite rod loop Loran-C
Message-ID: <10472@life.ai.mit.edu>
Date: 6 Sep 90 23:20:26 GMT
References: <1107@soleil.UUCP>
Sender: news@ai.mit.edu
Organization: MIT Artificial Intelligence Laboratory
Lines: 5
Posted: Fri Sep 7 00:20:26 1990

You were using the permeability with respect to vaccum rather than the
permeability. You need to multiply by the permeability of vacuum,
which is 4pi x 10**-7 Henrys/meter, or since you are using centimeter
units, 4pi x 10**-9 Henrys/cm. This gives an inductance of about 535
microhenries for the inductor you specified.

From 8584774831927924083
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fa200de21edf458e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 13:07:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!ogicse!intelhf!donk!
jerry
From: jerry@donk.UUCP (jerry)
Newsgroups: rec.ham-radio
Subject: Oh No..Another Code question
Message-ID: <644@donk.UUCP>
Date: 7 Sep 90 20:07:33 GMT
Reply-To: jerry@orion1.hf.intel.com (Jerry Gaiser)
Organization: Development Tools - iNTeL Corp. Hillsboro, Oregon
Lines: 35

Posted: Fri Sep 7 21:07:33 1990

I originally learned Morse in the Navy, more years ago than I want to think about..

To graduate, we had to be able to receive and send at 20 wpm. On a typewriter. My fingers were taught to recognize the sounds. Most of the time I don't really have to think about it. (After listening to code for 2-3 hours a day for a number of weeks, some of us were sending code in our sleep)

I'm no longer that fast, but using Super Morse, I can copy fairly reliably at about 13 wpm with the computer keyboard. Unfortunately I am nowhere near being able to copy by hand at 13 wpm for General.

Nowhere can I find any rule that explictly requires that the code test be taken by hand, but I have been made to understand that bringing anything to the test but paper, pencil and maybe a calculator is forbidden.

Is there a rule, or is this just something became THE WAY IT IS DONE? I can understand that typewriters used to be big and noisy, but most of the new electronic typewriters are small and relatively quiet. Now if I could convince the VE's to allow a typewriter, I could be going for my General in October instead of Technician.

Anyway, thanks for letting me ramble on..

```
***************************************************************************
* Intel may own me body and soul, but these opinions are MINE. So there.  *
*-------------------------------------------------------------------------*
* jerry@orion1.hf.intel.com         You can find me either here or        *
* jerryg@bucket.uucp                there or                              *
* 74176.1024@compuserve.com         here                                  *
*-------------------------------------------------------------------------*
* Diplomacy is the art of saying 'nice doggie' until you can find a rock. *
***************************************************************************
```

From 1280196670079059124
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,59032712f617fbc9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 13:34:56 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!unmvax!ariel.unm.edu!hydra.unm.edu!ee5391aa
From: ee5391aa@hydra.unm.edu (Duke McMullan n5gax)
Newsgroups: rec.ham-radio
Subject: Re: Inversion scrambling
Keywords: ECPA Bust Whome? PACs $$$
Message-ID: <1990Sep7.013509.17980@ariel.unm.edu>
Date: 7 Sep 90 01:35:09 GMT
References: <suBwo1w162w@tosspot.UUCP>

Sender: news@ariel.unm.edu (USENET News System)
Organization: University of New Mexico, Albuquerque
Lines: 36
Posted: Fri Sep 7 02:35:09 1990

In article <suBwo1w162w@tosspot.UUCP> root@tosspot.UUCP (Lee Reynolds) writes:
>Can anyone tell me if simple frequency inversion scrambling
>is in much use (if any) at all on HF and up?

Ahhhh...well, yes, if you tune up ANY AM signal SSB and land on the wrong sideband, that's frequency inversion scrambling. Or just try copying a LSB signal in USB mode, or vice-reversa. "It's all the same."

No one with any serious interest in information security uses "simple frequency inversion scrambling", for the above reason. Lousy security. Cheap telephone scramblers do this, and descrambling may be too much for the kids down the street (MAY be!), but it won't keep anyone out who's at all seriously interested in penetrating your communications.

BTW, scrambling and cryptography are big no-no's on our bands. There are lots of private individuals and firms who have considerable (legitimate) interest in establishing private channels by such means, but Uncle Fox decided long ago that hams don't fall in this category.

If you're interested in further info on this, try sci.crypt. Scramblers aren't the big thing there, but you're likely to find some folks who know quit a lot about them.

d

PS: A site called tosspot...I love it!
d

--
"...while I know many people who emphatically believe in reincarnation, I have never met or read one who could satisfactorily explain population growth."
-- Spider Robinson
Duke McMullan n5gax nss13429r phon505-255-4642 ee5391aa@hydra.unm.edu

From -5021219699456879425
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9af3375bb1c63cb8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-07 13:40:13 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!decwrl!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Radials without a shovel
Message-ID: <9009062146.AA03571@tilde>

Date: 6 Sep 90 21:46:31 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6
Posted: Thu Sep 6 22:46:31 1990

Bruce Thompson, WB0QWS asks: "...does anyone have an easy way of putting radials under the lawn (without a shovel)?

Well, you could buy some moles, tie wires to their hind legs..... :)

73,   Dube   N5PDK

From 6708367347019190654
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11c3f1522a1e9094
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-04 08:55:52 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!mirror!necntc!necis!rbono
From: rbono@necis.UUCP (NM1D)
Newsgroups: rec.ham-radio
Subject: Re: IC-24 Expanded Transmit Range
Message-ID: <1389@necis.UUCP>
Date: 4 Sep 90 15:55:52 GMT
References: <4247@qip.UUCP>
Organization: NEC Technologies, Inc., Boxborough, MA
Lines: 38
Posted: Tue Sep 4 16:55:52 1990

In article <4247@qip.UUCP>, john@qip.UUCP (John Moore) writes:

> If you are like me, you are eagerly looking for an article telling you
> how to open up the transmit frequencies on the IC-24. I have need of
> transmitting in the ranges 140-144 and 148-150 MHz on military frequencies
> for which such equipment is needed. I'd also like to transmit in the 420 band
> for work on link equipment. I suspect lots of other folks have the same
> need.
>
> Now for the bad news: as far as I can tell, there is NO mod to open
> the transmit range of the IC-24! If you know differently, please tell me.
> If this is true, I think we should all complain to ICOM.
>

I have seen the 'instructions' for opening up the transmitter on the IC-24... the instructions look believable so I beleive that it can be done. I don't remember the transmit range either (sorry).

The user must install two (I think, this is from my memory) surface mount diode arrays.... one array has two diodes with the anodes connected in common to a lead (this is a 'three' lead device)... the other array has the anode of one diode, and the cathode of the other diode connected to the common lead.... Of course, you then need to know where to install these, they are installed on the CPU board... near where the diode is removed to

enable the cross band repeat... There could be a little more to the 'mod' than
this... but again... this is from my memory, so there are NO guarantees to
the acuracy of this information.

Sorry.... I don't have the instructions...... But I will tell you that
the person I saw that had them got a copy from a major Ham Radio chain.
I assume that they will only give out the information to those who purchase
the radio from them ('tis only fair)... The first two initials of the
chain has already been mentioned... Don't tell them that I sent you!!!

Rich

REMEMBER: I don't have a copy of these instructions... Please DON'T email
me regarding these instructions.

From 5285223127326234502
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7401015866690b3d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-04 09:26:55 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!pacbell.com!pacbell!att!cbnewsd!
polo
From: polo@cbnewsd.att.com (mark.b.colosia)
Newsgroups: rec.ham-radio
Subject: Re: super morse 3.15
Keywords: errors when unzip'ng
Message-ID: <1990Sep4.162655.15608@cbnewsd.att.com>
Date: 4 Sep 90 16:26:55 GMT
Organization: AT&T Bell Laboratories
Lines: 13
Posted: Tue Sep 4 17:26:55 1990

Unfortunately, based on the prompting of a usenet reader, I went through the
whole ordeal of grabbing the products off of usenet and putting it on the pc.
I actually did a trial run of this earlier before sending it out to the
world and it worked, so much for confidence. My apologies, the error is in
the super morse archive zip file. I will work on the problem and try to
have a resolution soon.

sorry for the inconvenience,
mark

```
============================================================================
  Mark Colosia; uucp: att!iceland!polo; AT&T Bell Labs; work: 708-713-4955
============================================================================
```

From 373159427103175264
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a09242f9a70e6e6a
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-09-04 11:31:56 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!cs.utexas.edu!sdd.hp.com!hplabs!hpl-opus!hpspdra!jimj
From: jimj@hpspdra.HP.COM (Jim Jensen)
Newsgroups: rec.ham-radio
Subject: Re: Ham plates in CA
Message-ID: <12280015@hpspdra.HP.COM>
Date: 4 Sep 90 18:31:56 GMT
References: <9008211847.AA15656@uunet.uu.net>
Organization: HP Stanford Park - Palo Alto, CA
Lines: 39
Posted: Tue Sep 4 19:31:56 1990

I just went thru the process of getting CA HAM plates for both my wife's and my cars. She is N6WSH and I am N6WSG.

After much confusion with the DMV people, my plates have arrived and my wife's have not. The fee was $21 each car. There is no other yearly fee. There is a $9 fee to transfer the plates to another car if you should buy a new one. It is not too supprising about the confusion over $20 vs $21. The form you fill out says $21 but the 'how to process this form' book that the DMV people use says the fee is $20. The lady helping me asked her supervisor which was correct and they finially decided just to charge the higher fee :-)

The main problems I had were:

* Confusion over both my wife and I getting plates. I tried to avoid this potential problem by submitting the applications seperately thru the 'drop off box' an the DMV, but they combined the two applications and sent them back with a note stating that there could be only one plate issued.

  I later solved this problem by submitting my application again and then submitting my wife's about a week later. This seems to have worked although we do not yet have the plates for her car. (We have the new stickers and registration however.)

* Application form does not indicate that you need to send in a copy of your registration. DMV says they need it. I made copies and re-applied. I included the suggestion that they change their form to indicate ALL needed information rather than just some.

* They wanted my current plates. Again the form does not indicate that this is required. I never did give them my old plates, and I also never signed anything saying that I would turn them in later. I now have two sets of plates for my car. I am not sure what happened here. I applied thru the DMV drop box to avoid having to talk to the DMV personal. If you talk directly to the DMV people they do want your plates. I didn't want temporary plates so I used the drop box.

From -2294364298171145935
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1eac7511cd3e7a9f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-04 11:54:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uwm.edu!
ux1.cso.uiuc.edu!eng3.hep.uiuc.edu!mjh
From: mjh@eng3.hep.uiuc.edu (michael j haney)
Newsgroups: rec.ham-radio
Subject: archives and NiCad's
Keywords: archive, NiCd
Message-ID: <1990Sep4.185431.5147@ux1.cso.uiuc.edu>
Date: 4 Sep 90 18:54:31 GMT
Sender: news@ux1.cso.uiuc.edu (News)
Distribution: rec.ham-radio
Organization: University of Illinois at Urbana
Lines: 7
Posted: Tue Sep 4 19:54:31 1990

Earlier this spring (?) there was a series of articles concerning
mickel-cadmium batteries - specifically *how much* to discharge
them before recharging them. Is there an archive of rec.ham-radio,
or does anyone know what the story is on NiCd's?

Mike Haney
haney@cs.uiuc.edu

From -1373859691591746784
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df3284a9dc5bbb7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-04 12:42:11 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!samsung!
noose.ecn.purdue.edu!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Metropolitan Area Positioning System
Message-ID: <115.26E334FA@w8grt.fidonet.org>
Date: 4 Sep 90 19:42:11 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 29
Posted: Tue Sep 4 20:42:11 1990

> From: rfc@briar.Philips.Com (Robert Casey)
> Date: 31 Aug 90 13:51:06 GMT
> Organization: Philips Laboratories, Briarcliff Manor, NY
> Message-ID: <107320@philabs.Philips.Com>
> Newsgroups: rec.ham-radio
>
> >One interesting thing you'll find if you start having an accurate nav

 > >instrument in your car: a lot of the roads aren't exactly where the
 > >maps show them to be. Some are off by a tenth of a mile or more out in
 > >the middle of nowhere. (I can't help but wonder if that's just plain
 > >simple error or whether the Defense Highway System isn't where the maps
 > >show it to be in order to make bombing it harder!)

Map error is intriguing! I wonder how many people (like me) who live close to
the state line really aren't living in the state they think they are.

[When I'm in a mellow mood, ask me about the Ohio-Michigan War of 1837, as a
result of which the state line was moved several miles north. My town went from
Michigan to Ohio.]

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From -3671410404080173575
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14f22e08f60e1206
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-04 13:38:47 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!
koning.enet.dec.com!koning
From: koning@koning.enet.dec.com (Paul Koning)
Newsgroups: rec.ham-radio
Subject: Re: biological effects of handheld transceivers?
Message-ID: <15157@shlump.nac.dec.com>
Date: 4 Sep 90 20:38:47 GMT
References: <11596@crdgw1.crd.ge.com> <49.UUL1.3#1@vortex.COM>
<3883@sactoh0.SAC.CA.US>
Sender: newsdaemon@shlump.nac.dec.com
Reply-To: koning@koning.enet.dec.com (Paul Koning)
Organization: Digital Equipment Corporation
Lines: 36
Posted: Tue Sep 4 21:38:47 1990

|>
|> >>Does anyone out there have any reasonably up-to-date information on
|> >>the current thinking regarding possibly negative biological effects
|> >>from handheld transmitters (e.g. 2m and 440-450 Mhz units)? In
|> >>particular, the effects on eyes (cataract and vitreous) and other
|> >>biologic effects (e.g. brain effects).
|>
|> >on my 4-watt 440 hand-held into the rubber duckie, I will get a
|> >headache within about 5 minutes of intermittent operation.
|>

|> Score 1 for remote microphones. Also for using a roof antenna
|> when operating from a car.
|>
|> Sorry for the weak attribution, but I do remember reading about 440 mhz
|> energy causing cateracts in an ~1970 issue of either 73 or RPT..
|> (more likely RPT..) I don't think they had any quantitative data.

I don't mean to pick on you, but... this sort of note isn't helpful. Rumors, particularly extravagant ones, have a life of their own. Unattributed and unsupported stories have a tendency to spread and be mistaken for reality. The more removed from reality they are, the more likely this is to happen. The current ecofreak/deep-pocket-suing world is making this all the more likely.

There have been a few articles on this topic recently. In the past year or two, there was a detailed article in QST, with lots of references to professional literature, lots of caveats in all the right places, and so on. That was really useful. It helped distinguish what is known from what is merely suspected from what is known to be nonsense.

From what little I remember of the article right now, I'm suspicious of the headache story. I could believe it if reproduced in a double-blind test; without such a test, the psychosomatic explanation remains a good one.

paul

From -8771637702596425441
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3fd23e40fc908421,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-04 14:03:40 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!HICKAM-EMH.AF.MIL!1843eie
From: 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE")
Newsgroups: rec.ham-radio
Subject: Press Screwups (was Good Ham PR from MARS)
Message-ID: <9009041848.AA22919@uunet.uu.net>
Date: 4 Sep 90 21:03:40 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 61
Posted: Tue Sep 4 22:03:40 1990
X-Unparsable-Date: 4 Sep 90 08:45:00 GMT-10:00

INTEROFFICE MEMORANDUM

Date: 4-Sep-1990 08:41am HST
From: 1843EIG/EIE
1843EIE
Dept: 1843EIG/EIE
Tel No: 656-1158

TO: Remote Addressee   (_INFO-HAMS%UCSD.EDU@UUNET.UU.NET)

Subject: Press Screwups (was Good Ham PR from MARS)

>   KANSAS CITY, Mo. (UPI) -- US Sprint has expanded its Military
>Affiliate Radio System to allow military personnel stationed in the
>Middle East to call loved ones back home for no charge in the event of
>an emergency, the company said Monday.

Excuse me? "US Sprint"'s Military Affiliate Radio System program? Last time I looked, MARS was run by the Department of Defense!

>   The MARS program, which uses a combination of amateur radio
>operators and US Sprint's digital fiber-optic long-distance network, has
>been used as a calling program for military personnel for seven years.

Well, *this* is almost right. Sprint has been kind enough to grant us free use of their network during holidays for seven years, but MARS phone patches have been going on for a lot longer than that.

>   Medical calls from the hospital ships ``Mercy'' and Comfort'' and
>all emergency calls put through by the Red Cross will be completed for
>free, company officials said.

(quotes deleted)

>   Under the program, amateur radio operators in the United States
>will receive calls through MARS radio carrier signals in the Middle
>East. The calls then will be put into the US Sprint network and routed
>to their destination without charge.

This should say "MARS affiliate operators" (hams, of course, but they're talking about MARS patches, so the term should be that).

>   The MARS program has allowed military personnel to place free calls
>on Christmas, Thanksgiving, Independence Day and other holidays.
>   US Sprint is a unit of United Telecommunications Inc., which has
>headquarters in Kansas City.

This is not a flame against Sprint; we're grateful for their help.

But why in the h*ll can't the press cover technical topics without totally screwing them up?!

73,
Jeff WD6CQV/KH6 AFA8JM/AFF8A/AFF8P
1843EIE"at"Hickam-EMH.AF.MIL

Opinions above are mine, not of the DoD, USAF, AFCC, 1843EIG, etc.

From 6677862322928905982
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae8dc54feb722c6a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-04 14:14:37 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: "Long Distance" CPO (Code Practice Oscillator)
Message-ID: <202@ssc.UUCP>
Date: 4 Sep 90 21:14:37 GMT
References: <12280014@hpspdra.HP.COM> <199@ssc.UUCP> <7952@helios.TAMU.EDU>
Organization: SSC, Inc., Seattle, WA
Lines: 16
Posted: Tue Sep 4 22:14:37 1990

In <7952@helios.TAMU.EDU>, billg@cs.tamu.edu (William Gunshannon) writes:
> In article <199@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
> >
> >Gee, I hate to lead these kids astray by exposing them to CB, but how
> >about showing them how to build simple BFOs for junk CB radios? Then
> >they could key the carriers to communicate by CW.
> >
>
> Why bother with BFOs. ...

The main problem with CB is building a DF loop, buying a 55 gallon
drum of mouth soap, and using these to clean up the act of the
existing residents. The regular CB band is not the sort of
thing you want to expose Cub Scouts to.

markz@ssc.uucp

From -2635604769495733926
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b570899de9cb9a4d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-04 14:57:27 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!UCSD.EDU!DXANDY%widener
From: DXANDY%widener@UCSD.EDU
Newsgroups: rec.ham-radio
Subject: Mag Mounts vs. Holes
Message-ID: <5A090410322403D9-MTABWIDENER*DXANDY@widener>
Date: 4 Sep 90 21:57:27 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11
Posted: Tue Sep 4 22:57:27 1990

Hi!

I just installed a 2m rig in my car this weekend. I definitely didn't want to drill any holes in my car and I didn't fancy the idea of a mag mount making a mess of my paint work, not to mention the messy wiring that would entail. I decided to go with an AS on glass antenna. Installation is a piece of cake. It took about 10 minutes. The performance might not be as quite as good as other antennas, but it works well enough for me.

73's
Andy Greenshields N3IGS
[dxandy@widener.BITNET]

From 3233098984353755603
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7f282e624c8adc7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-04 15:04:12 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!prls!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: want extended xmit mod for FT411
Keywords: mods
Message-ID: <107578@philabs.Philips.Com>
Date: 4 Sep 90 22:04:12 GMT
Sender: news@philabs.Philips.Com
Lines: 6
Posted: Tue Sep 4 23:04:12 1990

Looking for the mod/procedure to set the transmit range of the FT411 as far as
the analog circuitry will go. Not just the MARS mod.
No, I'm not going to transmit out of band.

thanks in advance
73 de WA2ISE

From -4555702957661362404
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5393ca9c454bc1ab
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-04 16:12:27 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!orc!decwrl!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Drilling Holes
Message-ID: <7880269@hpfcdc.HP.COM>
Date: 4 Sep 90 23:12:27 GMT
References: <CMM.0.88.651946450.dixon@hpuxa.ircc.ohio-state.edu>
Organization: HP Fort Collins, Co.
Lines: 11
Posted: Wed Sep 5 00:12:27 1990

While a punch works, it just doesn't have the thrill of using a hole saw. With the hole saw, you have to be careful about drilling through the ceiling material. You also have to keep the hole cool while cutting it, or the slug will drop onto the ceiling material. I have a friend that had a meltdown that way.

There is a commercial outfit here in town that lends their cordless drill and holesaw to hams.

Perry Scott
KF0CA

From 7581332155340252253
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f250e87e331ee16
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-04 16:15:27 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!mips!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: canecdote: those ubiquitous cans
Message-ID: <7880270@hpfcdc.HP.COM>
Date: 4 Sep 90 23:15:27 GMT
References: <1767@yenta.alb.nm.us>
Organization: HP Fort Collins, Co.
Lines: 6
Posted: Wed Sep 5 00:15:27 1990

In his _QRP Notebook_, Doug DeMaw endorses the use of cans, saying that the make a great chassis. How many Olde Farts out there remember the Herring Aid, crafted from a sardine can ?

Perry Scott
KF0CA

From -4749297679934212776
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bbb900e752752a9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-04 16:20:39 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!orc!decwrl!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Experience with Butternut HF6V-X vertical
Message-ID: <7880271@hpfcdc.HP.COM>
Date: 4 Sep 90 23:20:39 GMT
References: <90Aug30.164300edt.57393@ugw.utcs.utoronto.ca>
Organization: HP Fort Collins, Co.

Lines: 7
Posted: Wed Sep 5 00:20:39 1990

I've got an HF6VX on the ground, with 32 radials. The lot is small, and the radials are under 30'. I don't have a dipole, so I can't compare the two. I get mostly US on 40/80. I hear the foreign broadcast on 40, and occasionally hear European callsigns.

Perry Scott
KF0CA

From 5922778470478831346
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2617af5bd446b82
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-04 17:47:02 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: ICOM IC-735
Message-ID: <203@ssc.UUCP>
Date: 5 Sep 90 00:47:02 GMT
References: <246@eliza.edvvie.at>
Organization: very little
Lines: 21
Posted: Wed Sep 5 01:47:02 1990

In article <246@eliza.edvvie.at>, dworak@edvvie.at (Christian Dworak) writes:

> Has anyone experience with the ICOM IC-735? I am new lis and want to
> buy a shortwave transceiver. Other alternatives would be the FT-757, or
> the TS-440.
>

The IC735 is a nice radio. I have used one that belongs to my friend, K7SS. (He is the guy in the ICOM ads for the 735!)

It sure is small.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 3248045803298084396
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,e2617af5bd446b82
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-04 17:55:07 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: ICOM IC-735
Message-ID: <1302@ke4zv.UUCP>
Date: 5 Sep 90 00:55:07 GMT
References: <246@eliza.edvvie.at>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 16
Posted: Wed Sep 5 01:55:07 1990

In article <246@eliza.edvvie.at> dworak@edvvie.at (Christian Dworak) writes:
>Has anyone experience with the ICOM IC-735? I am new lis and want to
>buy a shortwave transceiver. Other alternatives would be the FT-757, or
>the TS-440.
>
>tnx es 73
>oe1cds

I recently traded my IC 745 in on a new IC 735 and I am delighted. The receiver is great. The controls work intuitively. The transmitter is clean. It's small enough to take mobile or portable, yet the controls aren't cramped or difficult to use. It still has the transverter jacks on the back and has optional narrow filters and passband tuning. Short of the megabuck IC 781 or TS 950 you won't find a better rig.

Gary KE4ZV

From -5733603179205095787
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bbb900e752752a9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-04 21:27:09 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!mips!wdl1!engle
From: engle@wdl1.wdl.fac.com (David Engle)
Newsgroups: rec.ham-radio
Subject: Re: Experience with Butternut HF6V-X vertical
Message-ID: <3300003@wdl1.wdl.fac.com>
Date: 4 Sep 90 17:26:29 GMT
References: <90Aug30.164300edt.57393@ugw.utcs.utoronto.ca>
Lines: 33
Posted: Tue Sep 4 18:26:29 1990

Regarding HF-6V Butternut verticals.

I have had a HF-6V up for a year now and it has worked fine. I have not compared it to a dipole. On 40 meters I have 2 elements at 70'. I don't usually operate on 40 on the vert (only when the tower is down). There is a substantial signal difference (as one might imagine) between the two antennas. However, out of curiosity I have checked between the two several times. I can hear the majority of signals on the vert that I first find on the beam. The biggest exception is for European and deep South Pacific stations. Which I cant hear on the vert. For USA and South America the vert is fine. On 80 meters working the Carribean is a struggle on the vert and forget Europe (from the West Coast that is).

The vert does require a ground radial system. I have a six radial system with several more short radials. Two of the radials wind around the yard to get me 160 meters. (on 160 I have worked only north America and Hawaii). Until I got a decent ground I had RF in the shack and bad problems keeping the computer stuff working. If you can't get in a ground radial system then use dipoles.

I found the Butternut to be mechanically satisfactory and easy to set up. For North American contacts I have been fairly pleased with its performance.

If you are thinking about only 40/80 then you might think about the HF-2V. Its longer length will work better on 80. Buy the 160 coil too, you can have fun there too.

Regards, Dave

David Engle, KE6ZE - engle@wdl1.wdl.fac.com - 408/473-4419 @ Ford Aerospace
Facts, what facts. I don't got to show you no stinking facts. These are opinions expressed here. "Any clod can have the facts, its an art to have an opinion" Herb Caen, SF Chronicle.

From 7269204780218528048
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,660623678b3a9997,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-04 21:47:57 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucselx!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley)
Newsgroups: rec.ham-radio
Subject: Re: RF IN POWER SUPPLY
Message-ID: <4255@crash.cts.com>
Date: 4 Sep 90 17:16:01 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 12
Posted: Tue Sep 4 18:16:01 1990

Our repeater group is using a 35A at our site. We have found that the wildly varying AC flucuations at the hilltop cause the Astron to crowbar (less than 1VDC at the output and hot hot hot heatsink). We now employ a timer that every 6 hours cycles the AC off (to the Astron) for 1 minute. B4 this timer we would have to go to the hill to cycle the supply off of the battery back-up.

```
**************************************************************************
Mike Shirley,  WB6WUI        INET: mikey@pnet03.cts.com
PO Box 460                   ARPA: crash!pnet03!mikey@nosc.mil
Lakeside, CA  92040-0460     UUCP: {hplabs!hp-sdd nosc}!crash!pnet03!mikey
**************************************************************************
```

From 6500497774750375518
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd98530068fc2d43,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-04 22:50:43 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!sun-barr!newstop!sun!tenorman.Eng.Sun.COM!jneher
From: jneher@tenorman.Eng.Sun.COM (Jonathan Neher X62863)
Newsgroups: rec.ham-radio
Subject: 6 meters
Message-ID: <141793@sun.Eng.Sun.COM>
Date: 4 Sep 90 20:26:08 GMT
Sender: news@sun.Eng.Sun.COM
Lines: 23
Posted: Tue Sep 4 21:26:08 1990

Hello,

I recently purchased a rig that includes 6 meter capability (Icom-726) but I don't know much about it. I've scanned the ham portion of the band at various times of day and night and have not heard anything. I've heard what sound like commercial communications below 50 Mhz as well as telephone conversations between 46 and 47 Mhz. Can anyone tell me more about what I should be getting between 50 and 54 Mhz as well as between 46-60 Mhz? Do any books outline the activity there? I know there exist FM repeaters in the ham portion and some SSB activity below 51 Mhz. but I haven't heard anything yet (and yes, I do have an antenna at least for receiving).

Also, I'm interested if anyone has any suggestions about antenna design (base station) or a good inexpensive commercial product for 6 meters?

Thanks in advance,

Jon Neher
N6XUI

From -1809997309952879875
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,14f22e08f60e1206
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-05 01:08:43 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!wuarchive!julius.cs.uiuc.edu!apple!rutgers!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Re: biological effects of handheld transceivers?
Message-ID: <29156@netnews.upenn.edu>
Date: 4 Sep 90 21:27:59 GMT
References: <11596@crdgw1.crd.ge.com> <49.UUL1.3#1@vortex.COM> <3883@sactoh0.SAC.CA.US> <15157@shlump.nac.dec.com>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 30
Posted: Tue Sep 4 22:27:59 1990

In article <15157@shlump.nac.dec.com> koning@koning.enet.dec.com (Paul Koning) writes:

```
>|> >on my 4-watt 440 hand-held into the rubber duckie, I will get a
>|> >headache within about 5 minutes of intermittent operation.
>> Sorry for the weak attribution, but I do remember reading about 440 mhz
>> energy causing cateracts in an ~1970 issue of either 73 or RPT..
>> (more likely RPT..)  I don't think they had any quantitative data.
>
>From what little I remember of the article right now, I'm suspicious of
>the headache story.  I could believe it if reproduced in a double-blind
>test; without such a test, the psychosomatic explanation remains a
>good one.
```

I'm curious about this. I have never got a headache (that I remember) from an HT, however, I do remember a time when using a radar gun in a car that caused a problem. I had been using it for a few minutes and had a mild headache. I picked up a friend of mine, and he played around with it for a bit, and soon said "Boy, do I have a headache all of a sudden." I put 2 and 2 together and thought that maybe it was from the gun, although I seriously doubted it. Anyone have any other experiences along these lines? Note that it wasn't being pointed out the window, not at us.
"Believe it, or not?"

--- Jeff

PS: If I mixed up the quoted articles' authors/attributes, my appologies.

```
--
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
Jeff DePolo  N3HBZ             Twisted Pair: (215) 386-7199
depolo@eniac.seas.upenn.edu    RF: 146.685- 442.70+ 144.455s (Philadelphia)
University of Pennsylvania     Carrier Pigeon: 420 S. 42nd St. Phila PA 19104
```

From 493942440152419433

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ecaa7dc08318bcc3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-05 02:15:12 PST
Path: gmdzi!unido!mcsun!uunet!ncrlnk!ncrwic!encad!entec!kthompso
From: kthompso@entec.Wichita.NCR.COM (Ken Thompson)
Newsgroups: rec.ham-radio
Subject: Re: DC Adapter for FT-470?
Message-ID: <680@entec.Wichita.NCR.COM>
Date: 4 Sep 90 20:41:10 GMT
References: <9008301642.AA04515@hls.com> <1990Aug30.185803.24024@athena.mit.edu>
Reply-To: kthompso@entec.UUCP (Ken Thompson)
Organization: NCR Corporation, Wichita, KS
Lines: 10
Posted: Tue Sep 4 21:41:10 1990

My 470 only puts out 4 watts with 12 volts in.
Is there a simple adjustment inside?

--
Ken Thompson   N0ITL
NCR Corp. 3718 N. Rock Road
Wichita,Ks. 67226 (316)636-8783
Ken.Thompson@wichita.ncr.com

From -1069241873600853358
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b3e958cfbb8b70c5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-05 02:36:50 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!linac!midway!ellis.uchicago.edu!gary
From: gary@ellis.uchicago.edu (gary buchholz)
Newsgroups: rec.ham-radio
Subject: Summary of responses - ASTRON power supply failures due to RF
Message-ID: <1990Sep4.232731.16370@midway.uchicago.edu>
Date: 4 Sep 90 23:27:31 GMT
Sender: news@midway.uchicago.edu (News Administrator)
Organization: University of Chicago
Lines: 289
Posted: Wed Sep 5 00:27:31 1990

Dear net people...

Thanks alot for all the replies people sent to me via e-mail and as replies to my posting.

I get the message! Everyone has confirmed my suspicion that the "shutdown" of my ASTRON power supply was caused by large RF in the vicinity. And this being casued by high SWR in the process of antenna matching via my MFJ antenna tuner.

Most people told me that the Astron was able to recover by powering off and then on again. This didn't help me. My astron is dead and currently out for repairs. Should be back in a few weeks... and I'l post info as to what was "blown" and how much $$ it cost to get it fixed when it comes back.

From the number of replies I got, this Astron "shutdown" seems to be a common problem with many people. If you don't have this problem you're in good shape... but you might want to be aware of these potential problems.

Maybe the ASTRON people should warn you about this. Or, maybe every ham except me knows about this "RF" problem with power supplies.

Below is a summary of all the replies I received, via e-mail and otherwise.

Live and learn....

Original note follows.... Replies are delimited by ///////////////////////'s

----

From: gary@ellis.uchicago.edu (gary buchholz)
Subject: Weird Shutdown of my Astron power supply while antenna tuning (RF?)
Riddle me this...

I have an Astron RS-35M power supply (12v @ 35 amps). A few days ago, using this with a HF rig,I was "tuning" my dipole with a MFJ 949D tuner II at low power (about 5 watts). In the course of setting the inductor selector and antenna matching capacitor on the MFJ tuner the Astron simply "shut down". The Astron has amp and volt meters and the voltmeter which always reads 13.8 volts was reading only a few volts. I shut the Astron off, turned it back on, and agin it showed 13.8 volts. No fuse was blown, no smoke.. and I doubt that in the course of tuning by transceiver it was pulling no more than about 3-5 amps.

This happened a few times. Each time I turned the Astron off and then back on and it was fine. Three times and I gave up since I knew something had to be wrong.

Tuning another antenna this evening (a long wire) it happened again. Low power, CW, key down, 5 watts and the Astron shut down - this time for the last time. It didn't recover. Its "red" power light is on, no fuse blown but no voltage.

My guess is that the problem has something to do with RF getting in the power supply - what else could it be ? Clearly, pulling a few amps for antenna tuning wouldn't burden this 35 amp supply and no fuse was blown.

Looking at the schematic of the power supply I see 3 curious capacitors in various configurations on the heat-sinked power transistors with the note "C7-C9 added for R.F. bypassing".

What does RF have to do with a power supply. And, why has my Astron "shut down" on such a low power demand ??????????????????????????????????

Wondering....

Anybody got an answer.... or a guess ?
  Gary (N9KAW)
//
From: jpd@pc.usl.edu (Dugal James P.)
Gary, the Astron has an LM723 voltage reg chip (if I recall correctly). It has sensing inputs to account for internal voltage drops. I bet RF could confuse it to where it puts out less OR MORE voltage than desired. If the voltage gets too high, a crowbar SCR will short to ground the output, so as to blow a fuse. So if it's not the fuse, suspect either the SCR or the reg. chip. Since the chip is socketed and cheap evan at Radio Shack, try replacing it!
Good luck!
es 73 de
-- James Dugal,   N5KNX   Internet: jpd@usl.edu
Associate Director   Ham packet: n5knx@k5arh
Computing Center   US Mail: PO Box 42770 Lafayette, LA 70504
University of Southwestern LA.   Tel. 318-231-6417 U.S.A.
//
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Most likely what's happening is that you have some RF floating around in your shack and the diodes in the power supply's crowbar circuit are rectifying it and causing the crowbar to clamp. You have to turn the power off and then back on to reset the crowbar. You can help alleviate the problem by installing a .1 uF cap across the positive and negative terminals on the back of the supply for a start. The better idea is to work on your antenna to get a better "natural" match without having to use the tuner. The worse the antenna's match, the more RF you'll have floating on the outside of the coax, in your shack, etc.
-=-
Jeff DePolo N3HBZ   Twisted Pair: (215) 386-7199
depolo@eniac.seas.upenn.edu   RF: 146.685- 442.70+ 144.455s (Philadelphia)
University of Pennsylvania   Carrier Pigeon: 420 S. 42nd St. Phila PA 19104
///
From: elmore@virga.ucar.EDU (kim elmore)

Welcome to the world of RFI!! I have an Astron 35 A supply, too, though without the meters. When I operated on 40 m, it shut down, but recovered when the RF stopped. My solution? Tear out Astron's regulator board and build the regulator for the 30 A supply in the ARRL handbook. I really tried everything I could think of before this with no luck whatsoever. The regulator I built from the Handbook works like a charm and is IMPERVIOUS to RF! Takes a couple of evenings, but well worth the effort.

I never tracked down what was happening, but in your case it sounds like the crow-bar overvoltage protect has tripped, which can only be reset by cycling the power to the supply. Good luck!

73, Kim Elmore (N5OP)
//
From: geertj@ica.philips.nl
All kinds of weird things happen when HF goes innto a power supply. Be glad

the voltage didn't increase; I have seen that happen with a professional
lab power supply (it wasn't a PHILIPS, if it matters..)

Make shure that no HF reaches the power supplies electronics.
Some toroids and a few caps of 10nf is usually sufficient. While at it,
add a crowbar: a circuit with tyristor and zener diode that will SHORT
the power supply when the voltage gets too high (mine usually go at 18V
for 13.8V supplies. A fuse will do the rest, and save your rigs.
They smell real bad after overvoltage damage. Expensive too. It can
always happen: I have had problems on a power supply that worked for years
but didn't like the power we made during last JOTA..
73, Geert Jan
//
From: swm@homxb.att.com (Scott W Mclellan)
Gary,
I have had the same exact experience. Due to a problem with my tuner,
my rig was hot with RF. Either the RF caused the regulator in my
astron RS-35M to increase the output voltage until the crowbar
activated or the crobar was tripped by the RF. Turning off the supply
reduced the output current so that the crowbar reset, and turning it back
on returned everything back to normal. My solution was to ground the
negative terminal of the supply to the Astron chassis and increase
the bypassing in the regulator. The output of the Astron is floating
with respect to ground (a couple of small bypass caps couple the output
to ground - not enough in my opinion) so grounding the negative end
helped a lot. I also increased the bypassing of the AC inputs and put
a line filter with MOV protectors in there too. Not only did the RF
sensitivity of the Astron decrease, but it is now less suseptable to
lightning surges and the radiated noise from the transformer/rectifiers
is a lot less (but thats another story). Also ground together the
supply, your rig, and the tuner with a short braded cable coupled
to ground (through as short a wire or braded cable as possible).
All ground cables should be as short as possible. Put toroid cores
on the cables in and out of the supply. This completely solved the
problem for me.
BTW, I evolved to a battery supply now instead of the Astron.
Great for emergency work and there is no way I can overvoltage my rig
now.
73 de ND3P
/////////////////////////////////////
I have the same supply, but mine doesn't shutdown when I'm using my
MFJ tunner, it usually goes south when I power up my FT901 initially.

This is nothing if not a nuisance. I haven't looked for a solution.
I just sequence it off, FT901 on, then power the supply back up.
If you find an explanation I'd be interested.

73's de Steve KA6S
//
To Gary and his Astron power supply.

Yes Gary it is very possible that your supply shut down because rf was getting
into it. The power supply on my Drake TR-7 does the same thing when my antenna

is not tuned correctly and rf is in the shack. The capacitors you talked about and I'm not sure from your posting if they were installed in your supply or not are probably bypass caps to reduce the susceptability of your supply from rf.

It is possible that the power supply leads are acting as antennas and picking up rf in the shack. Try to put a sleeve of ferrite over both leads. This will reduce the common mode noise that is the rf common to the plus and minus leads of the supply. If you need more info try to call me. I tried to e-mail direct to you with no luck.

CLARK FISHMAN WA2UNN   PHONE: DAY 201 724 6041
//
From: scotto@crash.cts.com (Scott O'Connell)
While I have no first hand experience, I have been told by several folks that they've seen poorly constructed Astron supplies. One fellow found the AC line wired backwards while yet another found an area that missed solder completely!

Is it possible that maybe you've got a marginal connection in the supply?

DISCLAIMER: I'm NOT badmouthing Astron. I'm just relaying comments I've
         heard in the last few weeks regarding their assembly.

```
Scott O'Connell - N6ZEK      UUCP: {nosc, hplabs!hp-sdd}!crash!ipars!scotto
                             ARPA: crash!ipars!scotto@nosc.mil
                             INET: scotto@ipars.cts.com
--
Scott O'Connell - N6ZEK      UUCP: {nosc, hplabs!hp-sdd}!crash!ipars!scotto
                             ARPA: crash!ipars!scotto@nosc.mil
                             INET: scotto@ipars.cts.com
```
//
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
I have an Astron (and schematic) at home too. So this *is* a guess. I suspect that you could easily have generated some pretty big local fields with the tuner and the longwire. The impedance of the longwire could certainly have been high and that probably made for lots of RF voltage in the shack. Whether this was coupled into the Astron via the DC output leads, the power line or directly radiated into the box I don't know but it probably was one of those. The source impedance of the supply at RF is not guaranteed to be low (thus the extra bypasses?).

I don't know what the failure mechanism was exactly but I think it is a series pass supply which means that the output might be pulled above the desired regulated voltage. I suppose there is an overvoltage circuit which could have turned on. I'm not clear on what the precise failure sequence was but maybe there is a crowbar that got turned on and the supply tried to source current into it and broke something. With the RF present in regulator, over-voltage and over-current circuits it seems like almost anything could have happened.

I hope it didn't over voltage your radio. I fried a 432 transverter that way one time and I know of others who have lost HTs to the same fate. Good power supplies are *not* trivial.
Glenn Elmore -N6GN-

N6GN @ K3MC

glenn@n6gn.ampr.org

glenne@hpnmd.hp.com

///

From: craigs@mcopn1.csc.ti.com

Sorry to post this, guys, but I can't email from this location.

To: Gary, N9KAW

Gary, I have had the same problem with my Astron 35M. The SCR in the unit sees the RF as an overvoltage and crowbars, shutting the output down. Turning the unit off and on again resets everything. I solved my problem by wrapping the DC leads going to my xcvr around a toroid.

Craig, KA5BOU

//

I repaired an RS-20A once for a friend of mine who had the same problem you describe. He was using it with his ICOM 751A. As he raised the RF power on the ICOM, it would hit a treshold when the power would cut back and the voltage from the supply would drop.

The problem was one of the 2N3771 pass transistors (on the back heatsink). The socket that encapsulated the emitter and base leads did not make a very good connection and could not handle even a light load (like your 5 W situation). So, as a first look, check the connections to these transistors.

Also, since these transistors are, in essence, connected in parallel, you might try removing all but one (I believe there are 4 on the RS-35M?) and see if your voltage returns to 13.8 V (no load connected). You could replace one at a time to see whether one is not working.

Good luck -- hope this helps.

73,

Doug, WW6D

///

This is a common problem with regulated supplies. Especially with long wire antennas, it is common to see RF voltages in the hundreds of volts floating on the equipment. This is where having an effective RF ground on the station equipment saves the day. The Astron 35M has some RF suppression builtin. There should be a .001 cap across the output terminals and one across the 110v line along with three MOVs. Also there are three caps surrounding the pass transistors. Check that these caps are there and are good. I recently had a lightning strike come in and vaporize the cap across the AC line (and the MOVs). Interestingly all four pass transistors survived, but the .01 ohm 5 watt emitter resistors didn't. These act to equalize the current between the pass transistors AND act as the metering shunt. These proved impossible to get locally. One foot of number 20 wire has .01 ohm of resistance and works nicely as a replacement. You may have blown the LM723 voltage regulator in the supply with high RF voltages. It can only stand 35 volts. Try replacing it (use a socket) and be sure to check the caps and establish a good RF ground before tuning up again.

Gary KE4ZV

///

From: mikey@pnet01.cts.com (Mike Shirley)

Our repeater group is using a 35A at our site. We have found that the wildly

```
varying AC flucuations at the hilltop cause the Astron to crowbar (less than
1VDC at the output and hot hot hot heatsink).  We now employ a timer that
every 6 hours cycles the AC off (to the Astron) for 1 minute.  B4 this timer
we would have to go to the hill to cycle the supply off of the battery
back-up.
**********************************************************************
Mike Shirley,  WB6WUI        INET: mikey@pnet03.cts.com
PO Box 460                   ARPA: crash!pnet03!mikey@nosc.mil
Lakeside, CA  92040-0460     UUCP: {hplabs!hp-sdd nosc}!crash!pnet03!mikey
**********************************************************************
///////////////////////////  end end end //////////////////////////////
--
--------------------------------------------------------------------------
Gary Buchholz                      gary@midway.uchicago.edu
University of Chicago              xasgary@uchimvs1 [ BITNET ]
Academic and Public Computing           N9KAW [ real aether-net ]


From 4248948455731121808
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ef9b608da96aadb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-05 02:41:08 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!zaphod.mps.ohio-
state.edu!ncar!mephisto!udel!sbcs!ameristar!rick
From: rick@ameristar (Rick Spanbauer)
Newsgroups: rec.ham-radio
Subject: Re: What level should hams homebrew
Message-ID: <1990Sep4.215934.1248@ameristar>
Date: 4 Sep 90 21:59:34 GMT
References: <11909@<1990Sep3> <30500714@ux1.cso.uiuc.edu>
Organization: Ameristar Technology, Inc
Lines: 21
Posted: Tue Sep  4 22:59:34 1990

In article <30500714@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>
>>   Personally, I don't see any reason to pine over this at all.  In these
>>   days of cheap single board computers aimed at the instrumentation/embedded
>>   control markets, only the true "appliance ops" are using repeater
>>   controllers ;-)
>
>How cheap and where do I get one (ONE!)?
>
>--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
><phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

Look through Circuit Cellar magazine, for example.  Or to quote a data point,
try looking at pg 60 of the 1990 Active Electronics catalog: there is a
68HC11 single board machine w/monitor, i/o ports, etc for $168.11.

Or course, you could go even cheaper by whipping up your own controller
based on the 68HC11 - the parts go as cheap as $10.90.
```

Rick Spanbauer
WB2CFV

From 4799154504352830340
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f9ac2fd0f317b7ea,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-05 02:55:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!apple!usc!sdd.hp.com!decwrl!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: My Visit to the DMV Yesterday
Message-ID: <9009050048.AA21022@ucsd.edu>
Date: 5 Sep 90 00:47:53 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Wed Sep 5 01:47:53 1990

Cute. I got stopped when I had my sticker in the window, like it
says, but he didn't see it. The cop stopped me, then saw the sticker,
but checked my DL, and asked me the reason for just having the
sticker. A good waste of my time and his. If I were you, I'd try to
fake or locate some cardboard "dealer plates". I got plates within my
two months, but they were somebody else's, not N6TQS.
It took another 6 weeks to get my plates.

From 1887425539382293544
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,952f532e3116cefd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-05 02:58:14 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!wuarchive!decwrl!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9009042122.AA04390@tilde>
Date: 4 Sep 90 21:22:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 27
Posted: Tue Sep 4 22:22:50 1990

From: CPDVAX::DUBE   4-SEP-1990 16:03:10.87
To: INFOHAMS
CC: DUBE
Subj: What's a Techie? (followup)

Thanks to all who responded. I guess I'm a closet techie, after all, even if I do support the CW requirement. I guess the fact that I have built my own transmitter, and modified some military gear to operate on the Ham bands, and constructed my own working antenna from plans in the ARRL books also qualifies me for the title "homebrewer" also. Darn, I still haven't learned how to build a TNC, though, so I'll just have to go out and *gasp* buy one.

Seriously, I do think that a good portion of the fun to be derived from Ham radio is in the building of equipment and the satisfaction that you can get it to work (even if it takes much "debugging"). I'm grateful that we have some airspace in which to do this, especially with transmitters that can put out more than 100 mw of power (up to 1.5 KW) right out of your own brain/junkbox/workbench!

I'm with Myron: Homebrewing is building something, not connecting store-bought stuff together.

73, Dube N5PDK

PS: "Store-bought stuff" is functional stand-alone equipment, not basic components!

From -430638968744149094
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6b8537babd2562a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,a6b8537babd2562a,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-09-05 02:58:43 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!uwm.edu!linac!midway!ellis.uchicago.edu!gary
From: gary@ellis.uchicago.edu (gary buchholz)
Newsgroups: rec.ham-radio.packet,rec.ham-radio
Subject: Questions on setting up PK-232MBX, Kenwood 731A and Mac SE
Message-ID: <1990Sep5.010545.17940@midway.uchicago.edu>
Date: 5 Sep 90 01:05:45 GMT
Sender: news@midway.uchicago.edu (News Administrator)
Organization: University of Chicago
Lines: 47
Xref: gmdzi rec.ham-radio.packet:2727 rec.ham-radio:14569
Posted: Wed Sep 5 02:05:45 1990

I just got an AEA PK-232MBX Multi-Mode Data Controller and my intention is to use this with a Kenwood TM-731A (2m/440) and a Mac.

I though I'd be on the safe side and solicit the net ham-radio/community regarding this setup and any potential problems.

The AEA does not have specific instructions for the Kenwood TM-731A but the Mic wiring *seems* clear. But, on some KW models the recommendation is to add a 0.1 mf cap in series with the mic audio in. No reason is stated and my specific model is not addressed. Do I need this and what's it for ?

Also, the pins on my KW are as follows: 1-Mic audio; 2-PPT(STBY); 3-Down; 4-UP; 5-8v/Max 50ma; 6-RX Audio output; 7-GND(Mic); 8-GND(PPT)

The AEA wiring diagram/cable wants a "brown" connected to the "common" PPT and Mic ground. But, these are 2 separate pins on my mic connector. I took a VOM and found that pin 7 (GND-Mic) and pin 8 (GND-PPT) seems to be tied together internally. Further, the AEA guide recommends connecting the cable shield to pin 7. This leads me to believe that "brown" and shield should all be tied together to pins 7 and 8.

If someone could help me out with this - I'd appreciate it.

=> Do I need any 0.1 mf cap in the circuit ?
=> Are pins 7 and 8 wired together in the Kenwood ? My VOM seems to think so, although these are separate pins with separate designated functions as diagramed in the KW manual.
=> On the Mac serial interface. Do I need all the pins connected (1,2,3,7,8,20) or can I get away with just 2,3 &7 (transmit, receive, ground)?
=> Will I have a problem with "switching" times on the Kenwood?
=> What can I "blow up" if I hook this up incorrectly?
=> Any problems I should look forward to using the PK-232 ?

One other minor question, the Mic input impedance for the KW is 500-600 ohms. Nothing is said on the AEA specs about audio input levels or impedance matching for their AFSK output from the PK-232 into the transceiver. Isn't this important ? I would think so, the wrong impedance or "overdriving" the mic input, I would think, has the potential to doing some damage to the transceiver audio pre-amp/front-end... Right ?

Thanks,
--
Gary Buchholz gary@midway.uchicago.edu
University of Chicago xasgary@uchimvs1 [BITNET]
Academic and Public Computing N9KAW [real aether-net]
1155 East 60'th St., Chicago, Ill. (312) 702-7611

From 6589158315624752599
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ef9b608da96aadb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-05 03:24:10 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!zaphod.mps.ohio-state.edu!wuarchive!udel!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: What level should hams homebrew
Message-ID: <39642@cci632.UUCP>
Date: 4 Sep 90 16:41:01 GMT
References: <11909@<1990Sep3> <30500714@ux1.cso.uiuc.edu> <3858@rsiatl.UUCP>

Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 31
Posted: Tue Sep 4 17:41:01 1990

In article <3858@rsiatl.UUCP> jgd@rsiatl.UUCP (John G. DeArmond) writes:

>The world is swamped with SBSs. HINT: The Micromint will sell
>you SBCs containing 6809, 8041, 8051, HC64180 or Z8 processors. The 8051
>and Z8 processors are available with built-in BASIC so you don't even
>have to dirty your hands with assembly language.

Hmm. I CAN NOT in good conscience suggest that ANYBODY fool with BASIC unless they're SURE the project is SO small that it's REASONABLE; otherwise, when BASIC decides to garbage collect (or equivilent idiotic operation) and things grind to a halt, you'll wind up frustrated.

However. The 8051 family of microcontrollers by Intel is nice; my friend Mike and I are building a keyer out of one. For <$50.00 in parts and a little bit of planning, we will have a keyer with 4Kbytes of battery-backed up memory and an LCD display (for telling you what's IN the memories).

The 8749 is a version of the MCS-51 series (where the 8051 comes from), that has an EPROM built into it. It's QUITE reasonable to buy an 8749 for $15.00, a crystal for $1.00, and build a repeater controller for under $30.00. Think of the countless microcontroller projects that can be dreamed up! Callsign displays, weather stations, touch-tone pagers/decoders -- you could scare up a RTTY receiver with a display for under $30.00 in parts and do it in software!

I wish I know more about radios and how they work ... but it's easy to think of myself as a homebrewer, not afraid to try anything in the digital genre. Maybe I can convince others to do the same :-)

73's

Chris / WZ2B

From -393553791164792339
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ef9b608da96aadb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-05 03:31:59 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!emory!rsiatl!jgd
From: jgd@rsiatl.UUCP (John G. DeArmond)
Newsgroups: rec.ham-radio
Subject: Re: What level should hams homebrew
Message-ID: <3878@rsiatl.UUCP>
Date: 5 Sep 90 00:39:53 GMT
References: <4335@qip.UUCP> <30500717@ux1.cso.uiuc.edu>
Organization: Radiation Systems, Inc. (a thinktank, motorcycle, car and gun works facility)
Lines: 100

Posted: Wed Sep 5 01:39:53 1990

phil@ux1.cso.uiuc.edu writes:

>For hardware to qualify, it must:
>1. Have no software bundled with it, or if there is, it is of only a
>   minor contribution to the cost, and generally useful.
>2. Marketed on a wide scale relative to the scope of usage intended.
>3. Be completely self contained to the maximum extent the purpose requires.
>   This would generally mean a power supply, or standard power inputs.
>4. Have a changeable software medium (socketed EPROMS are fine) or at least
>   downloadable from a personal computer.
>5. Require minimum hardware work by the owner to get it up and running, e.g.
>   install ROMS, hookup to whatever, plug in power, switch on.

But Item 1 will guarantee that no product will ever exist. Without a bundled
application that interests the armchair ham, no hardware will ever fly.
And if the hardware does come bundled with an application, then it
apparently won't qualify for your interest. Sounds to me like a PC with
a data acquisition card and maybe a smart async card will fit your bill.
That's about as standard a hardware environment as is likely to exist
in the forseeable future.

>> Do your own homework, phil. Check any issue of "Circuit Celler", "Embedded
>> Systems", "Measurement & Controls" (an ISA publication), "Electronic
>> Engineering Times" or any other trade magazine for literally dozens of
>> ads. The world is swamped with SBSs. HINT: The Micromint will sell
>> you SBCs containing 6809, 8041, 8051, HC64180 or Z8 processors. The 8051
>> and Z8 processors are available with built-in BASIC so you don't even
>> have to dirty your hands with assembly language.

>These publications have stuff generally intended for hardware hackers.
>That's fine for hardware hackers who want to use my software. But what
>about the appliance operators, or more specifically, the high level
>network builders?

Maybe I lost track of the thread somewhere but weren't we talking of
embedded controllers for things like repeater controllers? I don't
read this thread much because it is mostly noise so I may have missed
something. If you are looking for network controller hardware/software
controller combinations, it is still hard to beat a PC with a smart
sync card. I just finished a system for a client in which we're
driving TWO 56kbps sync modems from Interactive Unix on a 386 PC
with 3770, SNA and RJE layered on top for good measure. The system
shows less than 10% additional load with both modems active. What needs
to happen is someone write driver code for the hardware that is available
now instead of just talking about it all the time.

>I've never heard of Micromint. Per chance might they have a 56001 SBC?
>You might also mention where these publications can be had, subscription
>prices, etc. I've only heard of "Circuit Cellar" and last I saw, it was
>a column in some magazine (was it Byte?). Remember, I'm a SOFTWARE

>person, NOT a hardware person. I don't get, or know about where to find, such things as EE trade rags and such. But I'm sure I can understand most of the tech talk in them.

Try your nearest university technical library in the periodicals section.

>As to getting my hands dirty with assembly language, it's MUCH better than getting them bloody with BASIC.

I think KE4ZV addressed this one adequately.

>If I want a high level language,
>I'll use C. Unless these SBCs typically run at 33 MHz or so, I'll have to go back to assembly to get the speed I want.

Say what!?! Look out beyond the PC bus world. A 2 mhz 6502 properly coupled to a UART will easily drive a 56kbps channel or 2. I know that a 10 mhz Z80 will. And any number of the speciality microcontrollers will handle bps rates we're interested in with single digit clock speeds. The world does not revolve around 5 mhz busses with 15 wait states associated with every I/O instruction. The PC architecture was brain damaged when it was conceived and 10 years of suffering has not healed any of the damage. The ONLY thing it has going for it is it is cheap and available anywhere.

>I do a LOT of programming
>in assembly language now and am very comfortable with it on several machines, so why should even consider BASIC? I hope I can get a refund for sending back the ROM chips with the BASIC interpreter on them.

Depends on whether you are programming just for the fun of programming or whether you are programming with the aim of getting the job done. If you aim to get a given job done with the minimum effort, then BASIC (or maybe FORTH if you love pain.) makes a hell of a lot of sense. Remember that you don't have a nice DEBUG command or even a TTY line with these little processors. In the absence of BASIC with its attendent TTY interface, you get to do things like toggle a bit on a port for every pass through a routine in order to determine where you are in the code. Not my idea of fun even with a moderately good function library available to me. BTW, the BASIC or FORTH comes mask-programmed into the devices so you can't get a refund. You simply buy a device without the BASIC.

John

--
John De Armond, WD4OQC | We can no more blame our loss of freedom on congress
Radiation Systems, Inc. | than we can prostitution on pimps. Both simply
Atlanta, Ga | provide broker services for their customers.
{emory,uunet}!rsiatl!jgd| - Dr. W Williams | **I am the NRA**

From -2817562243011684169
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,83bb3c91fefa3a8c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-05 03:43:25 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Yaesu FT411 mods: warning
Message-ID: <7880268@hpfcdc.HP.COM>
Date: 4 Sep 90 17:08:56 GMT
Organization: HP Fort Collins, Co.
Lines: 98
Posted: Tue Sep 4 18:08:56 1990

If you have a Yaesu FT411 and you do the mods, beware that you will lose ARS and auto-leading-1, plus erase your memories. Here's an annotated version of the mods information, with some missing information the original author apparently thought was too trivial to record (sigh). I mailed a copy to Bramwell.

Date: 16 Feb 89
From: rfc@briar.philips.com (Robert Casey;6282;3.57;$0201)
Subject: FT 411 mods   [comments added by Alan Silverstein]

copied from packet:

```
Msg# TSP  Size Read To     @ BBS  From    Date  Time
24250 BN   2876    1 YAESU         4X6TL  890208 1513
Subject: FT-411 Modification.
```

From: 4X6TL@4Z4SV

FT 411 OUT OF BAND MODIFICATIONS

1. Open the front cover.

    (This was one of the hardest steps!

    Yank off the three top knobs. Remove all five top screws, the two side screws, and the four screws holding in the battery plate. Carefully pop off the top cover (there's a catch) by prying with a small screwdriver at the front left. Slide off the complicated top rubber gasket. I removed the PTT gasket and the carry strap too, but there's probably no reason to do so.

    Now the unit should fold open from the left into two halves joined by fragile ribbon cable. The carry strap T bar will fall out; remember to put it back later.)

2. Locate the CPU unit (it is located on the front cover).

    (There's a large copper sheet over it, with ribbon cable coming out the left side.)

3. Locate jumpers 1, 2, 3 and 4. These are the band setting jumpers.

   (They are at the lower left of the copper sheet, each a pair of semicircles of copper on the epoxy board, separated by small gaps, with white numbers above.)

4. Jumpers 1, 2 and 4 should be disconnected, and jumper 3 should be connected.

   (In my (US) unit only jumper 2 was soldered across. Removing the solder on jumper 2 was easier than adding some to jumper 3. It's hard to reach the jumpers. I held a piece of wire with pliers and touched the iron to that. I was sure to ground the iron to the chassis before soldering.)

5. Close the radio.

   (Whew!)

6. Apply power to the radio and turn it on. The display will initialize with memory 1 flashing and the frequency display will show 1.000.

   (And you can set any numeric value, it seems, even silly ones, using the dial, arrow keys, or keyboard.)

7. Now, adjust the display to the desired lowest receive frequency. When done, press VFO. The memory channel will now show 2 flashing.

8. Adjust the display to the desired highest receive frequency When done press VFO. The memory CH will now show 3 flashing.

9. Adjust the display to the desired lowest transmit frequency. When done, press VFO. The memory channel will now show 4 flashing.

10. Now, adjust the display to the desired highest transmit frequency. When done, press VFO. The rig is now set for your programmed band on transmit and receive.

    (It worked! BUT, I lost two features:

    1. ARS (auto repeater shift) is now absent. Apparently jumper 2 sets the US band plan and related features, as a package.

    2. Now have to type in the leading "1" for all frequencies, where before it was automatic.

    Also, the processor did a coldstart -- all memories lost.)

COMMENTS

1. After the rig is programmed to the band and you want to change it to other ranges, you will have to open the rig again and disconnect

jumper 3, then to apply power to the radio, turn it off again, open it again, connect jumper 3 back and repeat from steps 5.

(Not very likely I'll ever do that again! -- ajs)

Aviad 4X6TL@4Z4SV

From 1286817690669757240
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ecaa7dc08318bcc3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-05 03:45:43 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: DC Adapter for FT-470?
Message-ID: <7880267@hpfcdc.HP.COM>
Date: 4 Sep 90 17:00:31 GMT
References: <9008301642.AA04515@hls.com>
Organization: HP Fort Collins, Co.
Lines: 9
Posted: Tue Sep 4 18:00:31 1990

> Has anyone ever seen/used a DC adapter for the 470 that allowed
> operation at 5W

Dunno about the 470, but my 411 runs just fine using a 6-pack alkaline battery case with a couple of wires routed out to a cigarette lighter plug. Gets a little warm on high power!

The radio is rated at 5-15.5V, and it works. It's a shame they didn't throw an external 13V jack on the unit, to avoid having to switch bases.

From -4114887109292362690
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14f22e08f60e1206
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-05 06:29:51 PST
Path: gmdzi!unido!mcsun!uunet!know!zaphod.mps.ohio-state.edu!uwm.edu!bionet!agate!linus!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Re: biological effects of handheld transceivers?
Message-ID: <107656@philabs.Philips.Com>
Date: 5 Sep 90 13:29:51 GMT
References: <49.UUL1.3#1@vortex.COM> <3883@sactoh0.SAC.CA.US> <11596@crdgw1.crd.ge.com>
Sender: news@philabs.Philips.Com
Reply-To: rfc@briar.philips.com.UUCP (Robert Casey)
Organization: Philips Laboratories, Briarcliff Manor, NY

Lines: 12
Posted: Wed Sep 5 14:29:51 1990

>In article <3883@sactoh0.SAC.CA.US>, jre@sactoh0 (Jim Earl) writes:
>
>>on my 4-watt 440 hand-held into the rubber duckie, I will get a
>>headache within about 5 minutes of intermittent operation.
>
I had to have a cateract replaced by a plastic lens a couple a months ago.
I've owned a 440 5W HT with a rubber duckie for a few years, but I haven't
operated all that much. My parents and brother have had cateracts, so I can't
really blame the HT. Things can get real muddy trying to track down a
connection between health and radio.

73 de WA2ISE

From 5135529442002429739
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ed76413e34ee71c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-05 07:23:33 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!
sdd.hp.com!hplabs!hpcc01!hpdmd48!jmcvey
From: jmcvey@hpdmd48.boi.hp.com (John McVey)
Newsgroups: rec.ham-radio
Subject: Kenwood converter for HT sought
Message-ID: <530020@hpdmd48.boi.hp.com>
Date: 5 Sep 90 14:23:33 GMT
Organization: Hewlett Packard - Boise, ID
Lines: 8
Posted: Wed Sep 5 15:23:33 1990

I am looking for a MFJ-313 converter for my Kenwood TR-2500 HT.
It will allow me to receive 140-166MHz. Anybody have a used one
or know a place to purchase one? What is the approximate price?

Thanks in advance,

John McVey
jmcvey%hpbslq@hplabs.hp.com

From -5493260335234013322
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,99496d247e043fbf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-05 08:13:32 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: Re: Icom 24-AT receives audio from TV68
Message-ID: <1250222@hpnmdla.HP.COM>

Date: 5 Sep 90 15:13:32 GMT
References: <9008241534.AA26907@wenger.ai.mit.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 18
Posted: Wed Sep 5 16:13:32 1990

Marc Kaufman (kaufman@Neon.stanford.edu) writes:

>
>> -I wonder if anyone has had the same experience with the other TV
>> -or Radio stations in the Boston area?
>
> No, I don't receive any images from Boston area radio or TV stations on any
> of my equipment.
>

Geez Marc, get a receiver already. It's 20 over up here in Santa Rosa!

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From 2554002900797732901
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a2cfa196790de29,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,5a2cfa196790de29,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-09-05 11:03:29 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!uakari.primate.wisc.edu!ark1!
oasys!mimsy!fe2o3!michael
From: michael@fe2o3.UUCP (Michael Katzmann)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: PK232 host mode comands
Message-ID: <383@fe2o3.UUCP>
Date: 5 Sep 90 18:03:29 GMT
Followup-To: poster
Organization: Rusty's BSD machine at home
Lines: 24
Xref: gmdzi rec.ham-radio:14620 rec.ham-radio.packet:2732
Posted: Wed Sep 5 19:03:29 1990

Does anyone have the format of the AEA pk232 commands that can be
exchanged in "host mode". It apparently is in the technical manual
but alas I dont have it.
I would like my computer to talk to the pk232 at a lower level than
the normal method. I would also like to identify the source of the
stuff that comes back for the unit.
I would think the commands stay the same but are preficed with some

header.
Thanks,

----
email to
UUCP: uunet!mimsy!{arinc,fe2o3}!vk2bea!michael

```
                              _ _ _                    _
     Amateur  |    VK2BEA   (Australia)      ' ) ) )      /           //
     Radio    |    G4NYV    (United Kingdom)  / / / o _. /_  __.  _  //
     Stations|    NV3Z  (United States)     / ' (_<_(__/ /_(_/|_</_</_
```

Michael Katzmann
Broadcast Sports Technology.
2135 Espey Ct. #4
Crofton Md. 21114 USA

Ph: +1 301 721 5151

From -6424027978134553063
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd98530068fc2d43
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-05 12:32:23 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!grump2.zko.dec.com!coolidge
From: coolidge@grump2.zko.dec.com (Bayard R. Coolidge ULTRIX CSSE)
Newsgroups: rec.ham-radio
Subject: Re: 6 meters
Message-ID: <1990Sep5.153223@grump2.zko.dec.com>
Date: 5 Sep 90 19:32:23 GMT
References: <141793@sun.Eng.Sun.COM>
Sender: news@shlump.nac.dec.com
Reply-To: coolidge@grump2.zko.dec.com (Bayard R. Coolidge ULTRIX CSSE)
Organization: Digital Equipment Corporation
Lines: 61
Posted: Wed Sep 5 20:32:23 1990

--
Bayard R. Coolidge NREMT-A N1HO coolidge@guru.dec.dec.com
Digital Equipment Corp. Usual Standard Disclaimers apply.
Nashua, New Hampshire, USA UUCP: ...!decwrl!guru.enet!coolidge
(603) 881-0503

In article <141793@sun.Eng.Sun.COM>, Jonathan Neher, N6XUI, was asking what the 6m was
all about.

Well, you could pick up a copy of scanner frequency listings locally for the stuff between
about 46 and 50MHz. I don't recall off the top of my head if there are any Federal Govern-

ment segments wedged in there, but I do remember that many of the channels between
46.0 and 47.0 are allocated to Public Safety, such as Fire and Special Emergency (Ambulance/
EMS, etc.). The chunk between 49.6 and 50.0 used to belong to the Feds, and was used by
the various MARS groups, but it has since been given over to the cordless telephones.

The ARRL has published a band plan for 6m, and it's printed in the ARRL Repeater Directory.
However, I've paraphrased it below for your convenience. You should double check the FCC
Rule Book and other amateur publications to ensure you're operating legally.

(Some of the segments overlap slightly - there may be some local gentlemen's agreements)

```
50.0 - 50.100 CW ONLY (FCC RULE !)
     50.060-50.080 Automatically controlled beacons [List in ARRL Rptr Dir]
50.1- 50.600  SSB/AM
     50.110   SSB DX calling freq. (pls move off once contact made)
     50.200   National SSB Calling freq (Move off as above; down for DX, up for local)
     50.400   AM calling frequency
50.600-51.0   Experimental and Special Modes
     50.61-50.78   Meteor Scatter/Duplex, paired with 51.61-51.78
     50.70    RTTY
     50.8 - 50.98  Radio Control (of models), channels on 20(?) kHz raster.
 51.0 - 51.100    Pacific DX window
 51.1 - 52.000    FM Simplex and special modes
     51.61-51.78   Meteor Scatter/Duplex, paired with 50.61-50.78
     51.700   National Packet calling frequency
52.00 - 52.05 Pacific DX window
 52.05 - 54.0 FM Simplex and Repeaters, 20 kHz raster starting on "52.01" (grrr...),
          Repeater Split 1.0 MHz, high-in vs. low-in check locally
     52.49, 52.51, 52.525 FM Simplex, '.525 National FM Calling Frequency.
```

The September VHF contest is this weekend, September 8-9th starting around 1900UTC
Saturday, and running past my bedtime Sunday night. You might want to listen between
50.000 and 50.300 for the contesters.

73,
Bayard, N1HO, who will be /1 from FN45, Pittsburg, NH on 6, 2 and 432

From -2013238898202510716
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb207aa84f210ca7,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-09-05 12:49:04 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!zaphod.mps.ohio-state.edu!uwm.edu!lll-winken!sun-barr!newstop!east!sunpix!sunpix.East.Sun.COM
From: gb@sunpix.East.Sun.COM (Gary Bishop - Sun Visualization Products)
Newsgroups: rec.ham-radio
Subject: How to measure HF antenna impedance?
Message-ID: <5200@sunpix.East.Sun.COM>
Date: 5 Sep 90 19:49:04 GMT
Sender: gb@sunpix.East.Sun.COM
Organization: Sun Microsystems, Research Triangle Park, NC
Lines: 12
Posted: Wed Sep 5 20:49:04 1990

I want to measure the complex impedance at the input of my HF antenna.
I've tried the typical cheap noise bridges that are available and have
not been satisfied with the accuracy or the range of the measurements.
What should I use?

A General Radio Impedance bridge sounds seems like a step in the right
direction but it is big and the used one I saw at a hamfest was $450.
What do these things cost new?

Is there a more modern way to do these measurements?

73, wa4fut

From 6319191592431878114
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bbb900e752752a9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-05 12:56:33 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!mips!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!brucet
From: brucet@hpfcdc.HP.COM (Bruce Thompson (greeley temp))
Newsgroups: rec.ham-radio
Subject: Re: Experience with Butternut HF6V-X vertical
Message-ID: <7880272@hpfcdc.HP.COM>
Date: 5 Sep 90 19:56:33 GMT
References: <90Aug30.164300edt.57393@ugw.utcs.utoronto.ca>
Organization: HP Fort Collins, Co.
Lines: 18
Posted: Wed Sep 5 20:56:33 1990

>Until I got a decent ground I had RF in the shack and bad problems keeping
>the computer stuff working.

This might explain why my Yeasu 767's ant tuner kicks in every
once in a while. Causes all kinks of problems with output power.

BTW: The Butternutt does look somewhat flimsy but don't let
the looks deceive you. I have had mine up for a couple of years

now and it has been hit _many_ times with wind gusts >90 mph with
no damage. I have lost sections of a cedar fence but not my vertical!

As an aside, does anyone have an easy way of putting radials under
the lawn (without a shovel)?

Bruce Thompson
WB0QWS

From -1621820519262686853
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6f445f02584bb71,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-05 13:12:17 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!funic!santra!puukko.hut.fi!s36572u
From: s36572u@puukko.hut.fi (Karl R. Tigerstedt)
Newsgroups: rec.ham-radio
Subject: Help in repairing a Kenwood 790A rig!
Message-ID: <1990Sep5.201217.21802@santra.uucp>
Date: 5 Sep 90 20:12:17 GMT
Sender: news@santra.uucp (Cnews - USENET news system)
Reply-To: s36572u@puukko.hut.fi (Karl R. Tigerstedt)
Organization: Helsinki University of Technology, FINLAND
Lines: 17
Posted: Wed Sep 5 21:12:17 1990

Here's the story: Lightning struck down at my qth, broke my tnc and
the interface inside my Kenwood ts-790a. Both main and sub audios are dead.
No output to the tnc. Anyway, I looked up the components which are likely to
have broken. They are two transistors: Q15 and Q16 on the main circuit board
(IF UNIT X48-3050-00). They turned out to be surface mounted transistors and
probably due to space limitations none of the surface mount components are
marked on the pcb. In other words, I have no means of finding out exactly
where they are located on the pcb, since it's got about 100 surface mount
transistors. Perhaps someone's got a service manual from which one can see
the actual location of these components?
Thanks in advance!

Karl R. Tigerstedt   email : s36572u@puukko.hut.fi
Helsinki University of Technology   packet : OH2MBM@OH2TI.OH.EU
Faculty of Electrical Engineering

From -5847965787236977817
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2617af5bd446b82
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-05 13:38:55 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sun-barr!newstop!east!sunpix!gb

From: gb@sunpix.East.Sun.COM (Sun Visualization Products)
Newsgroups: rec.ham-radio
Subject: Re: TenTec Delta II es Argonaut II (was:ICOM IC-735)
Message-ID: <5201@sunpix.East.Sun.COM>
Date: 5 Sep 90 20:38:55 GMT
References: <246@eliza.edvvie.at> <1401@gold.GVG.TEK.COM>
Organization: Sun Microsystems, Research Triangle Park, NC
Lines: 4
Posted: Wed Sep 5 21:38:55 1990

Speaking of the Ten-Tec Delta II and the Argonaut II. What are these variable bandwidth "Jones" filters that they mention in the specs?

wa4fut

From 6740150479671970383
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,26f333dd833539da,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,26f333dd833539da,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-09-05 18:34:13 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!ub!uhura.cc.rochester.edu!rochester!pt.cs.cmu.edu!sei!tjm
From: tjm@sei.cmu.edu (Todd Miller)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Base Unit Advice?
Keywords: base unit, FM band, walkie-talkie
Message-ID: <8477@fy.sei.cmu.edu>
Date: 5 Sep 90 06:23:26 GMT
Organization: Carnegie-Mellon University (Software Engineering Institute), Pgh, PA
Lines: 41
Xref: gmdzi rec.ham-radio:14600 rec.radio.shortwave:2040
Posted: Wed Sep 5 07:23:26 1990

Please excuse my ignorance. If this subject is not appropriate for these newsgroups, please point me in the right direction.

I do some hunting in the Laurel Highlands of Pa. Last deer season we decided to pick up a few FM band walkie talkies to help us communicate when we're out and about. They were inexpensive, so we bought four of them. (We picked them up at a "hick" Radio Shack/Variety store and made a deal with the owner.) These are the small, pocket sized Realistic brand.

What I am interested in is whether or not we could find an inexpensive "base unit" for the non-hunters in our group. Ideally, I think it would have to be powerful enough to reach a 5-10 mile radius from the cabin. Another potential problem is the mountainous terrain; we have had problems in the past with transmissions from one side of a ridge to a valley.

My questions are: Is there a "base unit" available in the same frequency range powerful enough for the mountains? (BTW, the sides of the boxes say 49MHz.)

My friend that owns the cabin recently picked up what he describes as a base unit.(garage sale) Is it possible to change to the same crystal as the walkie-talkies? Assuming, of course it has one. Additionally, if this works, how can you boost the output? Do you just try to place a large antennae as far up as possible?

Even though all four of the folks using these radios won't be able to talk to everyone, I'd like the base unit to reach them individually. What would be the best, inexpensive way to do this?

Any help, advice, pointers, greatly appreciated. Please respond via email if possible. If you need more info, I'll be happy to supply it.

Thanks for the time and consideration.

Ciao,

Todd

From -1498534901683396138
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae8dc54feb722c6a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-05 23:05:29 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!freezer!masters
From: masters@freezer.it.udel.edu (paul masters)
Newsgroups: rec.ham-radio
Subject: Re: "Long Distance" CPO (Code Practice Oscillator)
Message-ID: <29503@nigel.ee.udel.edu>
Date: 5 Sep 90 15:16:32 GMT
References: <12280014@hpspdra.HP.COM> <1990Sep4.090250@ultnix.enet.dec.com>
Sender: usenet@ee.udel.edu
Reply-To: masters@freezer.it.udel.edu (paul masters)
Organization: University of Delaware -- 040 Smith Sun Lab
Lines: 29
Posted: Wed Sep 5 16:16:32 1990
Nntp-Posting-Host: toffee.it.udel.edu

In article <1990Sep4.090250@ultnix.enet.dec.com> taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber) writes:
>In article <12280014@hpspdra.HP.COM>, paulz@hpspdra.HP.COM (Paul Zander)
>writes:
>|> Now, I am looking to construct a "long distance" code practice device,

>How about light-wave communications? Photodetectors and flashlights

I suspect a flashlight could go a long way on a clear night. Right now, I am working on my novice license, and I am very close to solid mastery. With a flash light, and key wired in, I suspect you could get out 2 mi of long distance. Problem is, you would not be working with sound, and filiment heat up and cool down time will slow you down.

I live enar a major port on the East Coast, and I was thinking that it might be interestig to try and signal ships comming over the horizon using car headlights (with a real key wired into the circuit) or just a flash light. I wouldn't try it until I fully UNDERSTAND MARITIME SIGNALLING protocols though. It wouldn't due to send misleading instructions to vessles in shallow water like that.

Paul

--
I will not waste chalk..I will not skateboard down the halls..I will not burp in class..I will not instigate revolution..I will not draw naked ladies in class..I did not see Elvis..I will not call my teacher "Hot Cakes".. Garlic gum is not funny..They are Laughing at me, not with me.....

From 4194223611972365257
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db4f48f9b240773,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-05 23:26:43 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!decwrl!csus.edu!ucdavis!uop!quack!mrapple
From: mrapple@quack.sac.ca.us (Nick Sayer)
Newsgroups: rec.ham-radio
Subject: Licensing for QRP SHF/EHF
Message-ID: <a5f3a5.30e7@quack.sac.ca.us>
Date: 5 Sep 90 15:33:46 GMT
Organization: The Duck Pond, Stockton, CA
Lines: 15
Posted: Wed Sep 5 16:33:46 1990

Progress continues on obtaining parts for the microwave internet link. Current plans are for working under part 15 rules on the K band (24 GHz). Anyone with a description of the procedure for obtaining an experimental and/or educational license for another microwave band (or preferably the same one), please let me know. If there is a demand, I will summarize.

My appologies if this is begining to stretch the intended subject matter of this group. I can't think of a better place to go.

--
```
Nick Sayer               |  Disclaimer:
N6QQQ [44.2.1.17 soon]   |    "Just because you're reading my post doesn't
mrapple@quack.sac.ca.us  |     mean we're gonna take long showers together."
```

209-952-5347 (Telebit) | -- Gunnery Sgt. Thomas Highway

From 8668405471859323215
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,91f7a669a23b5179,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-05 23:36:21 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!rutgers!njin!jross
From: jross@pilot.njin.net (Jeff Ross)
Newsgroups: rec.ham-radio
Subject: code trainer for amiga's
Message-ID: <Sep.5.11.36.33.1990.20862@pilot.njin.net>
Date: 5 Sep 90 15:36:34 GMT
Organization: NJ InterCampus Network, New Brunswick, N.J.
Lines: 11
Posted: Wed Sep 5 16:36:34 1990

I'm looking for a code trainer (public domain, shareware, commercial)
for the amiga computers is there one available?

thanks

                   Jeff
--
Just plain and simple....
arpa: ross@csunix.fdu.edu
uucp: jeff@wisdom.UUCP (uunet!tronsbox!wisdom!jeff)

From -6905344604205916275
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11c3f1522a1e9094
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 00:15:27 PST
Path: gmdzi!unido!mcsun!uunet!wang!tegra!vail
From: vail@tegra.COM (Johnathan Vail)
Newsgroups: rec.ham-radio
Subject: Re: IC-24 Expanded Transmit Range
Message-ID: <1346@atlas.tegra.COM>
Date: 5 Sep 90 15:05:58 GMT
References: <4247@qip.UUCP>
Organization: Tegra-Varityper, Inc., Billerica, MA
Lines: 73
Posted: Wed Sep 5 16:05:58 1990
In-reply-to: john@qip.UUCP's message of 28 Aug 90 16:15:06 GMT

This is from the icom "translated fax".

Usable ranges after the mods will be:

RX: 114-130, 138-192, 403-485 & 825-903
TX: 138-168, & 410-485

In reality I have seen a great variance between different radios on where they actually lock up but I have been impressed at the capabilities of this radio

I assume you already have done the kbd mod for the out of band recieve so I will skip that part.

Order the diodes from Icom, part number 912-06015. They are about $2.50 each. A lot for a diode but not for a mod. These are tiny tiny surface mount dual diodes. They have three legs each and I forgot to see if they were common anode or cathode. Be safe and order the right ones from Icom.

Open up the radio. Clip out the glass diodes D13 and D14. D13 should already be out to enable the rx mod but D14 will enable cross band repeat. Func-C,5,D will activate the cross band repeat between two *simplex* channels.

Install the two diodes at position D7 and D12. The picture below may help find them.

I used the hottest and tiniest tipped iron I could find, tweezers and magnifying glass. Be extremely careful adding these diodes as I have seen how easy it is to lift an etch.

```
____________________________________
|                                  |
|                                  |
|     +-------+                    |
|     | CPU  |                     | D5,6 Enable USA operation
|     |      |                     | D12  Enable UHF TX expansion
|     +-------+                    |  D7  Enable VHF TX expansion
|                                  | D13  Disable expanded RX
|               D5 V  V D6         | D14  Disable crossband Rpt
|               D7 X  " D8         |
|              D11 "  V D12        |
|                                  |
|                                  |
|                  |  |            |
|              D13 O  O D14        |
|                  |  |            |
|                                  |
|                                  |
|                                  |
|                                  |
|    Mic               . .         |
|     _               .     .         |
|    (_=           .  Bat  .       |
|                   .     .        |
|                      . .          |
|                                   |
|                                   |
|___________________________________|
```

73s, jv

"Good doesn't live and theres no evil here,
 only this great power we misunderstand" -- Dinosaur jr.

```
 -----
|     | Johnathan Vail | n1dxg@tegra.com
|Tegra| (508) 663-7435 | N1DXG@448.625-(WorldNet)
 -----  jv@n1dxg.ampr.org {...sun!sunne ..uunet}!tegra!vail
```

```
From -2799414680503176005
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae8dc54feb722c6a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 00:41:30 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!
samsung!noose.ecn.purdue.edu!rvl4.ecn.purdue.edu!cromwell
From: cromwell@rvl4.ecn.purdue.edu (Bob Cromwell)
Newsgroups: rec.ham-radio
Subject: Re: "Long Distance" CPO  (Code Practice Oscillator)
Message-ID: <1990Sep5.161827.28172@ecn.purdue.edu>
Date: 5 Sep 90 16:18:27 GMT
References: <12280014@hpspdra.HP.COM> <1990Sep4.090250@ultnix.enet.dec.com>
<29503@nigel.ee.udel.edu>
Sender: news@ecn.purdue.edu (USENET news)
Organization: Purdue University Engineering Computer Network
Lines: 29
Posted: Wed Sep  5 17:18:27 1990
```

Regarding extremely simple light-wave communications, headlights and the like, here is one data point:

Jim Schreckengast (now N0HAP) and I tried this, coordinating via 2m FM. The "transmitter" on each end was a single automotive headlight. He simply pointed the car in the right direction, and had a friend stand in front of the unused side. I had a separate lamp, a spare headlight I had mounted in a toilet plunger with a cord going to the lighter plug. Looked odd, but made for a bright, cheap, hand-held emergency lamp....

Anyway, "modulation" was done by a shield, *not* by cycling the power to the lights. I would suspect your baud rate would be seriously limited if you keyed the power (there is a noticeable decay time), and your headlights might not like such treatment. I suppose you might rig up some sort of Aldis lamp contraption if you were serious.

At any rate, what might be the most interesting was the QRM we dealt with. The distance was only about 1.5 miles, but we were on the sides of hills on either side of a valley. So, all around and behind us were other lights from cars, building windows, etc. Even with what would be an extremely low SNR (if you figured signal light flux and "noise" light flux within some solid angle), we had error-free communication. I imagine we had around 5 WPM, since that was as fast as we could accurately wave a cardboard shield back and forth.

At a dark site, with no moon and with your eyes dark-adapted, I'd like to see just how far a simple flashlight could be used.

```
                        Bob Cromwell   KC9RG
                        cromwell@ecn.purdue.edu
```

```
From 2443302709374437490
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5131da13f0a6c83f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 02:51:27 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!deccrl!decvax.dec.com!
zinn!ubbs-nh!wa1omm!paul
From: paul@wa1omm.UUCP (Paul MacDonald)
Newsgroups: rec.ham-radio
Subject: Uniden HR-2600 AGC
Message-ID: <paul.4578@wa1omm.UUCP>
Date: 6 Sep 90 09:51:27 GMT
Lines: 16
Posted: Thu Sep  6 10:51:27 1990
```

Hi,

Does anyone have a mod for the HR-2600 that improves the AGC circuit. It is so slow to recover after releasing the PTT that I often miss a comeback from another station. Thanks.

--

```
                                 /\  /\
                                //\\//\\
            +---------------------------------------------+
            | From the shack of WA1OMM -- Paul MacDonald |
            | Using the power of the multitasking Amiga! |
            |                                             |
            | Compuserve: 70411,626   PLink:  UPPERCRUST |
            | Amateur Packet Radio:   WA1OMM@KB4N.NH.USA |
            +---------------------------------------------+
```

```
From -3945217315996441486
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,69c6dac861013fee,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 05:47:28 PST
Path: gmdzi!unido!mcsun!ukc!stl!iclbra!icl!prs
```

From: prs@oasis.icl.stc.co.uk (Pete Swynford)
Newsgroups: rec.ham-radio
Subject: FT470 mods
Keywords: FT470 VHF UHF
Message-ID: <1508@ozz.oasis.icl.stc.co.uk>
Date: 6 Sep 90 12:47:28 GMT
Organization: International Computers Limited, Bracknell, UK
Lines: 39
Posted: Thu Sep 6 13:47:28 1990

Hello FT470 owners... I asked a few weeks ago about mods for the FT470 to make it receive and transmit on additional frequencies. I own(ed) the European version which caters for 144-146 & 430-440. It now transmits and receives 140-174 & 430-440, with additional receive coverage 440-500 MHz! The mod was fiddly as the chip resistors are the size of a pin head. You'll need a fine tipped soldering iron and about 2 hours of patience. Here's how I did it...

```
For 2 metres..  locate R66-69...      R69
which are located at 10 O'clock       |
to the lithium battery.           R68-(lithium
R69 is vertical, R66-68 are       R67-(battery
horizontal.                       R66-(cell
```

The combination you want is: R66 & R68 = 0; R67 & R69 = 1.

Mine came with R66 & R69 set for Europe so I just moved the resistor from position R66 to position R67.

For UHF, locate R70-72 to the top left of the ribbon cable. These are vertical and in the order:

```
     R71 R70 R72
```

The combination you want is: R71 & R70 & R72 = 0.

Mine came with R71 set for Europe so I just took the resistor out and have stuck it to the back of the battery (in case I need to convert back).

If anyone disagrees with these mods and think I've done something wrong, let me know a.s.a.p.

Cheers & 73
de Peter G6ZYT.
--
Pete Swynford is available... tel: +44 (344) 424842 x 2625
or at prs@oasis.icl.stc.co.uk / ..!uunet!mcsun!ukc!iclbra!prs / G6ZYT@GB7RDG
Disclaimer: See Paragraph 2.4.a of section 1.a (article 7) (iii) of the
            Town and Country Planning Act, 1967.

From 7817220697092898903
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,dd98530068fc2d43
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 07:27:01 PST
Path: gmdzi!unido!mcsun!uunet!cos!hqda-ai!media!csense!bote
From: bote@csense.uucp (John Boteler)
Newsgroups: rec.ham-radio
Subject: Re: 6 meters
Message-ID: <1990Sep6.142701.1075@csense.uucp>
Date: 6 Sep 90 14:27:01 GMT
References: <141793@sun.Eng.Sun.COM>
Organization: Common Sense Computing, McLean, VA.
Lines: 25
Posted: Thu Sep 6 15:27:01 1990

From article <141793@sun.Eng.Sun.COM>, by jneher@tenorman.Eng.Sun.COM (Jonathan Neher X62863):
> Hello,
>
> I recently purchased a rig that includes 6 meter capability
> (Icom-726) but I don't know much about it....
> Can anyone tell me more
> about what I should be getting between 50 and 54 Mhz ...

Don't expect the same type of operation as on 2 meters or higher.

I have noticed that most 6 meter stalwarts either sit on
52.525 waiting for a band opening or talking about how terrible
traffic and the general state of American society is becoming, or
the local repeater run by one or two guys serves as a wide area
intercom system. Most systems are PL to prevent band openings from
bringing up the repeater.

Fun stuff, 6 meters. I remember the day I got sick of working everyone
in California from Washington D.C. after 5 hours and just
turned the radio off. :)

--
John Boteler   bote@csense.uucp   {uunet | ka3ovk}!media!csense!bote
SkinnyDipper's Hotline: 703-241-BARE | VOICE only, Touch-Tone(TM) signalling

---

From -3043967433598380874
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a378a71867c075c5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 08:44:19 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: CES Simplex Patch - info wanted
Message-ID: <27080004@col.hp.com>

Date: 6 Sep 90 15:44:19 GMT
References: <29087@netnews.upenn.edu>
Organization: HP Colorado Springs Division
Lines: 15
Posted: Thu Sep 6 16:44:19 1990

Here is the current address and phones for CES:

Communications Electronics Specialties, Inc.
931 S. Semoran Blvd
Suite 218
Winter Park, FL 32792

(407) 679-9440
(800) 327-9956

(407) 679-8110 [FAX]

I have called them recently without a problem.

73 Ken

From 3931512675192569025
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2617af5bd446b82
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 09:09:58 PST
Path: gmdzi!unido!mcsun!uunet!lupine!hansen!phil
From: phil@hansen.Berkeley.EDU (Phil Graham)
Newsgroups: rec.ham-radio
Subject: Re: ICOM IC-735
Message-ID: <1462@lupine.NCD.COM>
Date: 6 Sep 90 16:09:58 GMT
References: <246@eliza.edvvie.at> <1302@ke4zv.UUCP>
Sender: news@NCD.COM
Reply-To: phil@hansen.Berkeley.EDU (Phil Graham)
Lines: 29
Posted: Thu Sep 6 17:09:58 1990

In article <1302@ke4zv.UUCP>, gary@ke4zv.UUCP (Gary Coffman) writes:

|> I recently traded my IC 745 in on a new IC 735 and I am delighted. The
|> receiver is great. The controls work intuitively. The transmitter is
|> clean. It's small enough to take mobile or portable, yet the controls
|> aren't cramped or difficult to use. It still has the transverter jacks
|> on the back and has optional narrow filters and passband tuning. Short
|> of the megabuck IC 781 or TS 950 you won't find a better rig.
|>
|> Gary KE4ZV

Nah, The TS-440s has more features and is a much better radio than the

IC-735...

Actually the TS-440s, IC-735, and FT757 are all in the same class in both performance and price.

I prefer the TS-440s because of the internal antenna tuner, 100 watts output 100% duty cycle, and the 100 memories. I feel that these are the advantages of this radio.

On paper the specs of the ICOM radios look better but when the radios are tested they are the same. I am convinced that ICOM uses a more optomistic measurement method. I know this to be a fact when Hams tested the TS-950SD to the IC-781 and IC-765. The Kenwood radio came right in on spec and the ICOM radio was closer to the Kenwood spec than to the ICOM spec.

Phil KJ6NN

```
From 6647521721299184158
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb207aa84f210ca7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-06 09:14:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpcc01!hpcuhb!hpscdc!rkarlqu
From: rkarlqu@hpscdc.scd.hp.com (Rick Karlquist)
Newsgroups: rec.ham-radio
Subject: Re: How to measure HF antenna impedance?
Message-ID: <5490100@hpscdc.scd.hp.com>
Date: 6 Sep 90 16:14:01 GMT
References: <5200@sunpix.East.Sun.COM>
Organization: Hewlett-Packard, Santa Clara Div.
Lines: 30
Posted: Thu Sep  6 17:14:01 1990
```

One of the problems I ran into when measuring antenna impedance was that strong signals (especially the 50 KW BCB station 10 miles away) tended to overload the impedance meter or noise bridge. With the noise bridge you have the additional problem of hearing the noise above the QRM in the receiver. Finally, there is the problem of measuring the impedance at the antenna terminals (not at the transmitter end of the coax) which means you need a remotely controllable impedance meter that is portable enough to carry up the tower.

What I ended up with was a homebrew noise bridge with a high pass filter to block BCB QRM and a high power noise generator to overcome ham QRM. I implemented the "R" and "X" controls with varactor diodes so I could remote control it from the shack. I think I later saw something similar written up somewhere (QEX?) but I can't remember where.

I calibrated the meter by putting known loads on it and noting the varactor tuning voltage. Fortunately, there was little interaction between R and X.

I determined that the impedance of a 130 foot wire (#14) at a height
of 55 feet, fed from the end is 2500 ohms on 80 meters and 900 ohms
on 40 meters. (The tower w/tribander is the counterpoise in this case.)
If you trim the length to center it in the 80 meter CW band (3525),
it resonates up around 7500 on 40, requiring a series
or shunt capacitor to pull it down to 7100. I built a tower mounted
transmatch based on this info and it worked the first time!
I was also able to crank the tower up and down and observe that there
was very little change in impedance above 25 feet.

Rick N6RK

From -1707335494938541072
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dfd27fba0b0ed2a1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 08:29:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Weird Shutdown of my Astron power supply while antenna tuning (RF?)
Message-ID: <1281@ke4zv.UUCP>
Date: 30 Aug 90 15:29:41 GMT
References: <1990Aug29.055134.16823@midway.uchicago.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 59
Posted: Thu Aug 30 16:29:41 1990

In article <1990Aug29.055134.16823@midway.uchicago.edu> gary@ellis.uchicago.edu
(gary buchholz) writes:
>Riddle me this...
>
>I have an Astron RS-35M power supply (12v @ 35 amps). A few days ago,
>using this with a HF rig,I was "tuning" my dipole with a MFJ 949D
>tuner II at low power (about 5 watts). In the course of setting the
>inductor selector and antenna matching capacitor on the MFJ tuner the
>Astron simply "shut down". The Astron has amp and volt meters and the
>voltmeter which always reads 13.8 volts was reading only a few volts.
>I shut the Astron off, turned it back on, and agin it showed 13.8
>volts. No fuse was blown, no smoke.. and I doubt that in the course
>of tuning by transceiver it was pulling no more than about 3-5 amps.
>
>This happened a few times. Each time I turned the Astron off and then back
>on and it was fine. Three times and I gave up since I knew something had
>to be wrong.
>
>Tuning another antenna this evening (a long wire) it happened again. Low
>power, CW, key down, 5 watts and the Astron shut down - this time for the
>last time. It didn't recover. Its "red" power light is on, no fuse blown

>but no voltage.
>
>My guess is that the problem has something to do with RF getting in the power supply - what else could it be ? Clearly, pulling a few amps for antenna tuning wouldn't burden this 35 amp supply and no fuse was blown.
>
>Looking at the schematic of the power supply I see 3 curious capacitors in various configurations on the heat-sinked power transistors with the note "C7-C9 added for R.F. bypassing".
>
>What does RF have to do with a power supply. And, why has my Astron "shut down" on such a low power demand ???????????????????????????????????
>
>Wondering....
>
>Anybody got an answer.... or a guess ?
>
> Gary (N9KAW)

This is a common problem with regulated supplies. Especially with long wire antennas, it is common to see RF voltages in the hundreds of volts floating on the equipment. This is where having an effective RF ground on the station equipment saves the day. The Astron 35M has some RF suppression builtin. There should be a .001 cap across the output terminals and one across the 110v line along with three MOVs. Also there are three caps surrounding the pass transistors. Check that these caps are there and are good. I recently had a lightning strike come in and vaporize the cap across the AC line (and the MOVs). Interestingly all four pass transistors survived, but the .01 ohm 5 watt emitter resistors didn't. These act to equalize the current between the pass transistors AND act as the metering shunt. These proved impossible to get locally. One foot of number 20 wire has .01 ohm of resistance and works nicely as a replacement. You may have blown the LM723 voltage regulator in the supply with high RF voltages. It can only stand 35 volts. Try replacing it (use a socket) and be sure to check the caps and establish a good RF ground before tuning up again.

Gary KE4ZV

From -4793521374846902484
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11c3f1522a1e9094
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 09:29:37 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!aplcen!unmvax!bbx!yenta!dt
From: dt@yenta.alb.nm.us (David B. Thomas)
Newsgroups: rec.ham-radio
Subject: Re: modifying icoms (was Re: IC-24 Expanded Transmit Range)
Message-ID: <1766@yenta.alb.nm.us>
Date: 30 Aug 90 03:55:41 GMT

References: <4247@qip.UUCP> <1759@yenta.alb.nm.us> <4521@feldspar2.UUCP>
Organization: yenta unix pc, Rio Rancho, NM
Lines: 22
Posted: Thu Aug 30 04:55:41 1990

svec@motcid.UUCP (Larry Svec) writes:

> [I mention how simple the 28a/h xmit out of band mod is]

>QUESTION... Is the IC228H the same as the 28H in this respect??????????

Maddeningly, no. The 28h is ridiculously simple, and the 228H is ridiculously complex. In fact, I have modified two 228H's and they weren't even the same as each other! They must have changed the design subtly without announcing it. Anyway, it's hackable by the means I mentioned in the last article, and with enough digging I might find where I wrote down the mod, to save you some time.

To give you some idea, the diodes in the 228h are the tiny one-or-two-to-a-three-leaded-surface-mount-device variety, mounted beneath the backup battery on the circuit board immediately behind the display panel! To do the mod it is necessary to remove the backup battery and carefully install (I think two) diodes.

The 28h requires only clipping one wire. Oh well, that's progress!

David

From 8973529855454643738
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ecaa7dc08318bcc3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 09:42:28 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!sdd.hp.com!ucsd!ucbvax!hls.com!trop
From: trop@hls.com (Troy T. Pummill)
Newsgroups: rec.ham-radio
Subject: DC Adapter for FT-470?
Message-ID: <9008301642.AA04515@hls.com>
Date: 30 Aug 90 16:42:28 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 21
Posted: Thu Aug 30 17:42:28 1990

Hello again, netlanders! Today's question has to do with my Yaesu FT-470 and mobile operations. I presently use Ni-Cad packs for power when I'm mobile, but I really would like to get power from the car instead. I understand that the adapters made by Yaesu only allow radio operation at the lower (2.3W) wattage.

Has anyone ever seen/used a DC adapter for the 470 that allowed operation
at 5W

```
-----------------------------------------------------------------------------
|  Troy T. Pummill, N6XMV   |  trop@hls.com                                |
|  Sr. Technical Instructor |  ...uunet!{lanslide.hls.com,sytek}!trop   |
|  Hughes LAN Systems       |  1225 Charleston Rd., Silicon Gulch       |
|  Mountain View, CA  94043 |  The preceding drivel is entirely my own! |
-----------------------------------------------------------------------------
Invisible airwaves crackle with life, bright antenna bristles with the energy
Emotional feedback on timeless wavelength, bearing a gift beyond price....
Almost free.             "Spirit of Radio" - Rush
```

From -7472011470141541152
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c49d42d7653408e8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 09:48:15 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!
ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Ham gear, bootleg radio, and movies
Message-ID: <7880261@hpfcdc.HP.COM>
Date: 29 Aug 90 17:25:44 GMT
References: <15911@oolong.la.locus.com>
Organization: HP Fort Collins, Co.
Lines: 15
Posted: Wed Aug 29 18:25:44 1990

>I've seen the movie--the transmitter involved looks more like an HP signal
>generator than a ham transceiver.

It couldn't have been an HP signal generator. Even before the first Lab
Prototype gets built, we specifically ensure that it can't be converted
to use as a bootleg transmitter. :-)

We have to quash this perception immediately, or HP will get a bad name !

Perry Scott
KF0CA

"Not necessarily representing the views of HP..."

From 4262550403744174657
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3877198f7503eb0b,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 09:55:26 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!dali.cs.montana.edu!milton!uw-beaver!fluke!chuckb
From: chuckb@tc.fluke.COM (Chuck Bowden)
Newsgroups: rec.ham-radio
Subject: Re: Weak Signal (really units)
Message-ID: <1990Aug30.165526.2656@tc.fluke.COM>
Date: 30 Aug 90 16:55:26 GMT
References: <9008231837.AA02322@cmr.ncsl.nist.gov> <28784@netnews.upenn.edu> <9638@bunny.GTE.COM>
Organization: John Fluke Mfg. Co., Inc., Everett, WA
Lines: 38
Posted: Thu Aug 30 17:55:26 1990

In article <9638@bunny.GTE.COM> dhp1@GTE.COM (Dave Pascoe) writes:

>In article <28784@netnews.upenn.edu>, depolo@eniac.seas.upenn.edu (Jeff DePolo) writes:
>> In article <9008231837.AA02322@cmr.ncsl.nist.gov> rc@CMR.NCSL.NIST.GOV (Robert Carpenter) writes:
>> >First, frequency is not measured in kelvin-hertz (KHz), it's kilohertz (kHz).
>>
>> I beg to differ. KHz is correct. The rule of thumb is that if the
>> prefix connotates a factor of 10^x where x >= 3, then the letter is
>> a capital. This is how I learned it, and the Handbook (though definately
>
>I've always used kHz and I believe Bob is right on this. Several references
>
>What about: kilo-ohms
>   kilometers etc.
>

Proper abbreviation of units is defined in ANSI Y1.1-1972 and ANSI/IEEE Std. 260-1978. A brief summary of the units in question are:

The letter K:

Use a lowercase k when the letter is the prefix for kilo or 10^3.

e.g., kW, kHz
written out, "kilohms" is correct

Use uppercase K when you are expressing the number 1024.

e.g., 64K bytes or 64 KB

Another basic rule is use a space between a two or more letter abbreviation and the number, but not between a single-letter abbreviation and the number. You see a lot of computer manufacturers who get this wrong with front panel labels that say "12MHz" or something similar.

e.g., 115V ac, 21.300 kHz, 10V

Chuck Bowden
chuckb@tc.fluke.com

From -6925104797359672829
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ce02fee4c21c9bf2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 09:57:38 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!agate!shelby!portia.stanford.edu!paulf@jessica.Stanford.EDU
From: paulf@jessica.Stanford.EDU (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Q&A on Reorganizing rec.ham-radio
Message-ID: <1990Aug30.165738.4734@portia.Stanford.EDU>
Date: 30 Aug 90 16:57:38 GMT
Sender: news@portia.Stanford.EDU (USENET News System)
Reply-To: paulf@jessica.Stanford.EDU (Paul Flaherty)
Organization: The Three Packeteers
Lines: 57
Posted: Thu Aug 30 17:57:38 1990

Q: Okay, what's this all about?

A: Current authorship for rec.ham-radio is in excess of fifty articles per day, sometimes much higher. The ideal USENET newsgroup is somewhat less than half of that.

Q: What's causing the surge in traffic?

A: Probably two things. First of all, growth in USENET readership. Secondly, the increase in controversial topics, which reflects the growing controversy within the hobby.

Q: So, why not have lots of splinter groups?

A: Two reasons. First, most people's interests in ham radio are reasonably broad, across various activities. Secondly, doing so would be a major pain for those who manage gateways to mailing lists. It's unreasonable to ask them to add more than two subgroups at a time.

Q: Okay, but why does packet radio get its own group, but not (satellites | ARES | microwaves...)?

A: Arguably, packet is the fastest growing subcult in ham radio. Almost everyone has a TNC. And, this usage generates lots of questions, given that packet radio, when done right, is not a trivial thing. Do we really want hundreds of "how do I set up my TNC with xxx" questions in the main tech group?

Q: But I enjoy seeing all the flames...

A: Well, then there's a group just for you now. In keeping with the .d

USENET standard for concussion, er, discussion groups, rec.radio.ham.d would provide an appropriate forum for discussing the various political topics that pop up regularly. Realize that most people really aren't interested in seeing long flaming discussions, and even those that like to get into the fray must refrain periodically to get some real work done.

Q: Why the tech / misc split?

A: Many people are interested in radio technology only, and not all of the nontech stuff (ARES, ARRL, etc). The tech / nontech split was the largest division I could come up with.

Q: So, when will this all happen?

A: Well, first of all, there needs to be a vote. I'll have to put together some automated votecounting software on one of the local vaxen. I'll try to get to that in the coming weeks. Assuming (from my mail) that the vote is positive, I'd create the groups, and give the mailing list hackers a month or so to do their conversions, as well as give everyone a chance to adapt to the new groups. Then the old groups would go away.

-=Paul Flaherty, N9FZX/VK2WYX | "TEXAS! Has a USENET in it... (Lord have Mercy
->paulf@shasta.Stanford.EDU | on us all!)" -- _The Best Little Net in Texas_

From -2920694560316056414
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df3284a9dc5bbb7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 10:34:36 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
cs.utexas.edu!asuvax!ncar!umigw!mthvax!wb8foz
From: wb8foz@mthvax.cs.miami.edu (David Lesher)
Newsgroups: rec.ham-radio
Subject: Re: Metropolitan Area Positioning System
Message-ID: <1990Aug30.020148.15288@mthvax.cs.miami.edu>
Date: 30 Aug 90 02:01:48 GMT
References: <SCOTTP.90Aug28101844@eecs.cs.pdx.edu> <4279@qip.UUCP>
Reply-To: wb8foz@mthvax.cs.miami.edu (David Lesher)
Distribution: rec
Organization: NRK Clinic for habitual NetNews abusers
Lines: 20
Posted: Thu Aug 30 03:01:48 1990

>]article from QEX about DSSS, and the use of vertical retrace
>]from a local TV station to synchronize the noise generators.

>What you want to use is the NTSC subcarrier (3.579545) from a network
>live television broadcast. These are transmitted with Cesium clock

>accuracy.

ISTM that this is no longer true.
In times past, every station ran genlocked with the network.
But with digital time base correctors, and all the other new
trick-or-treats available, this is a thing of the past.

Any TV bcst engineers out there to confirm/deny/flame/yawn ??

--
A host is a host from coast to coast.....wb8foz@mthvax.cs.miami.edu
& no one will talk to a host that's close............(305) 255-RTFM
Unless the host (that isn't close).......................pob 570-335
is busy, hung or dead....................................33257-0335

```
From 1763393334527074 86
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df38bde31f9d214c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 10:42:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!
ucbvax!ucdavis!uop!quack!mrapple
From: mrapple@quack.sac.ca.us (Nick Sayer)
Newsgroups: rec.ham-radio
Subject: Re: Internet link via RF
Message-ID: <a5cf2e.1501@quack.sac.ca.us>
Date: 30 Aug 90 03:58:22 GMT
References: <651715209.786@quack.sac.ca.us> <12120043@hpldola.HP.COM>
Organization: The Duck Pond, Stockton, CA
Lines: 62
Posted: Thu Aug 30 04:58:22 1990
```

paul@hpldola.HP.COM (Paul Bame) writes:

>For your 100m link, consider 10GHz. Lots of folks (not me) have made
>significant progress in this type of hardware - like achieving ethernet
>speeds. Since the signal isn't even close to omnidirectionally transmitted
>(assuming dish or horn antennas), you might be a little less concerned
>about the content (go ahead, send rec.humor) - not that I'm endorsing
>this of course.

Sigh. The troubles are:

1. I only want to achieve 19200 baud. I have to either hook this up
to the ethernet port, which seems problematic, or a serial port and
run slip, which is the prefered solution, IMHO. Therefore, I
want to get two "black boxes" with RS-232 ports that look
like a 3-wire RS-232 cable: Full duplex bitstreams.

2. I live in a condo. The best I can do is MAYBE a 5 element loop
beam. I'd like to get away with even less. However, the OTHER
end will be two stories up, and can have as good an antenna

as I want. The antenna will be near some trees, but it won't be in jungle-type foliage. The terrain between there and here is flat as a pancake. If I could get to the roof at my house, I wouldn't QUITE be line of sight, but pretty close.

>Or maybe use unrestricted frequencies - visible or IR light. A couple of
>pairs of binoculars with light emitters (LEDs) and photodiodes at their
>foci might make a dandy full-duplex link. The antennas are the right
>size :-) I've always wanted to try this out but never find the time.

More than 5 GHz is right out, unless I can get a very lucky bounce. I have one idea: My bedroom window is 20 feet from a telephone pole. A wire to this pole is not possible, but how about a dish aimed out the window towards this pole (there's a garage between the window and the pole :-( ), and a dish on the pole with nothing attached to it -- using the dish on the pole as a passive reflector? I'd have to do it at night, but with help from a couple friends, I bet I could get the dish just below where the real cables are, and I bet the phone and cable companies would leave it alone. Would THAT work? The pole is almost 180 degrees off the bearing to the other end. What happens when you put a glass window in front of a feed horn? Bad things, I trust.

I wouldn't be so paranoid about putting an antenna outdoors, but I used to be on HF, and that got all sorts of attention. I am definately being watched. :-)

Life gets complicated, no?

On a partly related note: Is my "44" TCP/IP address good on the rest of the internet? Should I ask for two "44" addresses when I get on the internet: One for the SLIP, the other for the KISS? Or should I just keep it simple and get an address from my internet feed's zone (they have 3 nodes on a class B. Stupid) for the slip, and use the "44" for the KISS? (the IP address assignment hasnt' come through yet, but it will, of course, start with "44").

```
--
Nick Sayer               |  Disclaimer:
N6QQQ                    |    "Just because you're reading my post doesn't
mrapple@quack.sac.ca.us  |     mean we're gonna take long showers together."
209-952-5347 (Telebit)   |                      -- Gunnery Sgt. Thomas Highway
```

From -4958384756951591628
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a942eeac9d1dfb7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 11:02:28 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: Re: _Pump Up the Volume_ bad for amateur radio? Nahhh..!

Message-ID: <18230035@hpfcdj.HP.COM>
Date: 30 Aug 90 18:02:28 GMT
References: <19256@ttidca.TTI.COM>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 10
Posted: Thu Aug 30 19:02:28 1990

>It was not plausible technically, unless you can figure out how to
>alter a "shortwave set" to broadcast on 92.5 mHz.

Y'know, you're right. 92.5 millihertz is DAMN low-frequency to be
considered "shortwave"! :-)

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
myers@fc.hp.com                          |  sentient life-form on this planet.
```

From 7038552804037144834
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ecaa7dc08318bcc3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 11:58:03 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!bloom-beacon!tmurphy
From: tmurphy@athena.mit.edu (Thomas C Murphy)
Newsgroups: rec.ham-radio
Subject: Re: DC Adapter for FT-470?
Message-ID: <1990Aug30.185803.24024@athena.mit.edu>
Date: 30 Aug 90 18:58:03 GMT
References: <9008301642.AA04515@hls.com>
Sender: daemon@athena.mit.edu (Mr Background)
Organization: Massachusetts Institute of Technology
Lines: 7
Posted: Thu Aug 30 19:58:03 1990

The Yaesu adaptor I use with my FT-470 (the only auto adaptor offered as far
as I know) operates the radio at a full 5W. However, it can only charge
the low-power batteries.

Christopher Murphy N1HQL
MIT Network Services
tmurphy@mit.edu

From -1167215009709070974
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f250e87e331ee16,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 12:50:56 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!aplcen!unmvax!bbx!yenta!dt
From: dt@yenta.alb.nm.us (David B. Thomas)

Newsgroups: rec.ham-radio
Subject: canecdote: those ubiquitous cans
Message-ID: <1767@yenta.alb.nm.us>
Date: 30 Aug 90 04:24:14 GMT
Distribution: rec
Organization: yenta unix pc, Rio Rancho, NM
Lines: 20
Posted: Thu Aug 30 05:24:14 1990

I must tell you a story about a radio hobbyist friend of mine that we call the "can man". How many CAN's can you find in this picture?

When I first met him, he was demonstrating the beautiful tube type 60W AM broadcast transmitter he had crafted. It was connected to a CAN-tenna dummy load. A walk around to the back of the rack revealed that the final grid tank was shielded with a coffee CAN, complete with a tiny hole for the neutralizing capacitor.

Next he showed me some other device he had made...I think it might have been a receiving converter. Anyway, the circuit was constructed entirely inside a coffee CAN, with coax connectors mounted to the lid.

But the kicker was when he showed me his homebrew 40M CW rig ... his code key was a bent coffee CAN *lid*, which you could tap against a nail in a piece of wood! Don't laugh...we worked CANada easily!

David,

friend of a can radio operator

From 6099506658628058OO
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5393ca9c454bc1ab
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 12:52:03 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Drilling Holes
Message-ID: <1250219@hpnmdla.HP.COM>
Date: 30 Aug 90 19:52:03 GMT
References: <1990Aug29.154635.13906@math.lsa.umich.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 35
Posted: Thu Aug 30 20:52:03 1990

>Okay, I've never done it. How does one execute a drilled-hole mount?

>I have a dual-band (2m/70cm) antenna with a PL-259 connector on
>the end of it. I somehow must make an SO-239 available on the fender.

>How do you drill a hole without messing up the paint? Is there any
>danger of the paint chipping? (my car is 4 months old)

I used a Greeley (Spelling?) punch. You drill a small (1/4 inch) hole
and insert the screw thread of the punch through the hole. Spin on the
cutting die of the punch on the screw and tighten with a wrench until
the large hole is cut. (This asumes you can get at the other side.)

>What kind of SO-239 do I need?

I used a standard chassis mount type with 4 mounting holes. I used
sheet metal (self-tapping) screws to mount it to the car.

>What needs to be one to the edge of the hole to prevent rusting and
>galvanic reactions?

I made a rubber gasket to go under the SO-239 to keep water from leaking in.
(I think I used a piece of an old bicycle inner tube.)

>How do I ground the mount to the car?

I just depended on the connection thru the sheet metal screws.

>Thanks!

You're welcome!

>Steve Hideg (N8HSC)

Al N1AL

From -7712684592751500941
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a09242f9a70e6e6a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 13:05:35 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!hls.com!trop
From: trop@hls.com (Troy T. Pummill)
Newsgroups: rec.ham-radio
Subject: Ham plates in CA
Message-ID: <9008302005.AA05577@hls.com>
Date: 30 Aug 90 20:05:35 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 28
Posted: Thu Aug 30 21:05:35 1990

Well...I started this monster (as far as the CA question is concerned)
and I think it wound up drilling antenna holes in my car!?? Anyway....
I placed a call to the DMV office in Mountain View, CA and was told:

$21.00 fee for getting the plates; you must fill out the Radio Call-Sign application (this applies for both CB and Amateur I was told.... that's a laugh!); present to DMV - application, current registration, current FCC License, current auto plates, and monies.

The kind person at DMV even offered to send the application to me!

She also said that if your registration is due within 60 days from filing the application, that you must also pay your regular registration dues!

Thanks to all for your kind responses....

trop (Troy), N6XMV, WAC8900 (marine), and KBNP 1080 (yes.....CB, deceased)

```
-----------------------------------------------------------------------------
|  Troy T. Pummill, N6XMV   |  trop@hls.com                                  |
|  Sr. Technical Instructor |  ...uunet!{lanslide.hls.com,sytek}!trop        |
|  Hughes LAN Systems       |  1225 Charleston Rd., Silicon Gulch            |
|  Mountain View, CA  94043 |  The preceding drivel is entirely my own!      |
-----------------------------------------------------------------------------
```

Invisible airwaves crackle with life, bright antenna bristles with the energy
Emotional feedback on timeless wavelength, bearing a gift beyond price....
Almost free.   "Spirit of Radio" - Rush

From -7893647387829336242
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b81781d73bef875
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 14:22:36 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!wuarchive!brutus.cs.uiuc.edu!apple!netcom!edg
From: edg@netcom.UUCP (Edward Greenberg)
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V90 #201
Message-ID: <12951@netcom.UUCP>
Date: 30 Aug 90 21:22:36 GMT
References: <9008281809.AA08297@KRONOS.NISD.CAM.UNISYS.COM> <1990Aug28.173107@curly.Viewlogic.COM> <91@thoreau.nsc.com>
Organization: Netcom- The Bay Area's Public Access Unix System {408 241-9760 guest}
Lines: 21
Posted: Thu Aug 30 22:22:36 1990

In article <91@thoreau.nsc.com> rtodd@thoreau.nsc.com (Ron Todd) writes:
>
>Incidently, when I was in CA (75-77) they would not issue plates
>with out of state calls. I was WA2JAM at the time. I guess the rule

In 1982, I successfully got (and still have) WB2GOH oh my car as a ham plate. The clerk said, shouldn't that be a six? I said, not any more, the FCC no longer requires you to change calls when you move.

He filled out the form and the plates showed up one eternity later.

The cost was $20 to obtain the plate, and nothing special to keep it.

This afternoon I'm going to bravely go down to the DMV and turn in WB2GOH, reordering it as a motorcycle plate. I'll report back if it's anything other than $20 one time fee.

-edg

--
Ed Greenberg   +1 408-970-1487 (day)
Preferred Address: Ed_Greenberg@HQ.3mail.3com.com
Usable Address: uunet!apple!netcom!edg
76703,1070 on CompuServe   WB2GOH/6

From -1467492814636559243
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dfd27fba0b0ed2a1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 14:33:32 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!samsung!uakari.primate.wisc.edu!sdd.hp.com!ucsd!ucbvax!hplabs!hpl-opus!hpnmdla!dougb
From: dougb@hpnmdla.HP.COM (Doug Bender)
Newsgroups: rec.ham-radio
Subject: Re: Weird Shutdown of my Astron power supply while antenna tuning (RF?)
Message-ID: <1250220@hpnmdla.HP.COM>
Date: 30 Aug 90 21:33:32 GMT
References: <1990Aug29.055134.16823@midway.uchicago.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 20
Posted: Thu Aug 30 22:33:32 1990

I repaired an RS-20A once for a friend of mine who had the same problem you describe. He was using it with his ICOM 751A. As he raised the RF power on the ICOM, it would hit a treshold when the power would cut back and the voltage from the supply would drop.

The problem was one of the 2N3771 pass transistors (on the back heatsink). The socket that encapsulated the emitter and base leads did not make a very good connection and could not handle even a light load (like your 5 W situation). So, as a first look, check the connections to these transistors.

Also, since these transistors are, in essence, connected in parallel, you might try removing all but one (I believe there are 4 on the RS-35M?) and see if your voltage returns to 13.8 V (no load connected). You could replace one at a time to see whether one is not working.

Good luck -- hope this helps.
73,
Doug, WW6D

From -1811947447303687705
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ce02fee4c21c9bf2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 14:40:34 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: Q&A on Reorganizing rec.ham-radio
Message-ID: <44427@apple.Apple.COM>
Date: 30 Aug 90 21:40:34 GMT
References: <1990Aug30.165738.4734@portia.Stanford.EDU>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 36
Posted: Thu Aug 30 22:40:34 1990

In article <1990Aug30.165738.4734@portia.Stanford.EDU> paulf@jessica.Stanford.EDU (Paul Flaherty) writes:

>Q: But I enjoy seeing all the flames...
>
>A: Well, then there's a group just for you now. In keeping with the .d
>   USENET standard for concussion, er, discussion groups, rec.radio.ham.d
>   would provide an appropriate forum for discussing the various
>   political topics that pop up regularly.

I don't see the analogy with other Usenet groups. For example, rec.humor contains jokes, while rec.humor.d contains discussions about the jokes. But rec.ham-radio doesn't contain ham radio; it contains discussions about ham radio. How would we distinguish between normal discussions and those that should be moved to a side group?

>Q: So, when will this all happen?
>
>A: Well, first of all, there needs to be a vote.

Will this be a vote on all the suggested newsgroups at once? What if someone agrees with some proposed groups but not others? And what if the failure of one proposal affects the required charter of the other groups? Seems like it would be difficult to take votes on the whole slew at once.

Also, is this going to work for the folks on INFO-HAMS? Will they still be able to get everything they want? I haven't seen that question answered since it was first raised.

Patty

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--
****************************************************************************
Patty Winter N6BIS                          INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                       UUCP: {decwrl,nsc,sun}!apple!winter
```

****

From 5208943307147107750
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3e6e95a61b5ad7d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 14:45:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!STLAWU.BITNET!MROWEN
From: MROWEN@STLAWU.BITNET (Mike Owen W9IP)
Newsgroups: rec.ham-radio
Subject: _Pump_Down_The_Volume_Already_
Message-ID: <9008301153.AA25348@ucsd.edu>
Date: 30 Aug 90 11:50:48 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: SAINT LAWRENCE UNIVERSITY
Lines: 13
Posted: Thu Aug 30 12:50:48 1990

Hey, Dudes -

Now that it has been clearly demonstrated that Ham Radio is not mentioned in _Pump_up_the_Volume_, why can't we just let it drop?

Is there anything to be gained by turning this thread into ANOTHER flame battle about licensed/unlicensed transmitters?

If you guys want to duke it out again, how about sharing your thoughts directly with each other and spare the rest of us?

Mike

From -6741918994773899686
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,425469057b2575b8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 15:19:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Re: transmitting without a license
Message-ID: <9008302219.AA23606@tilde>
Date: 30 Aug 90 22:19:51 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4
Posted: Thu Aug 30 23:19:51 1990

I agree wholeheartedly with Bill Gunshannon's idea of packet on 11 meters.

And thanks for posting the rationale. Not only true, but entertaining as
well!
73, Dube   N5PDK

From -1872536441024837504
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe89040f7508c734
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 15:38:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!
nosc!cod!medin
From: medin@cod.NOSC.MIL (Ted Medin)
Newsgroups: rec.ham-radio
Subject: Re: Mag mounts vs. drilled mounts (Was Re: Ham car license plates in CA)
Message-ID: <2087@cod.NOSC.MIL>
Date: 30 Aug 90 22:38:38 GMT
References: <2869@wyse.wyse.com> <17868@ucsd.Edu> <44305@apple.Apple.COM>
<17973@ucsd.Edu>
Reply-To: medin@cod.nosc.mil.UUCP (Ted Medin)
Organization: Naval Ocean Systems Center, San Diego
Lines: 8
Posted: Thu Aug 30 23:38:38 1990

In article <17973@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>Yes, Patty, you certainly don't always need the best possible signal.

 Guess i missed it but what is the authority that says mag mounts are poor
antennas?

73, ted
n6trf

From 2380524530322341251
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb0d06b0ce308788,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 15:45:00 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!
phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: To Be a Tech or Not to be a Tech ..
Message-ID: <30500710@ux1.cso.uiuc.edu>
Date: 30 Aug 90 22:45:00 GMT
References: <108850@tiger.oxy.edu>
Lines: 6
Nf-ID: #R:tiger.oxy.edu:108850:ux1.cso.uiuc.edu:30500710:000:288
Nf-From: ux1.cso.uiuc.edu!phil   Aug 30 17:45:00 1990
Posted: Thu Aug 30 23:45:00 1990

Yeah... I agree. If the FCC does not allow new technicians, then I guess I will never again upgrade. Can't let the species die out.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -149260530396138209
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b52090385720f24f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 16:06:03 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!mcopn1.csc.ti.com!craigs
From: craigs@mcopn1.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Astron Power Supply Troubles
Message-ID: <9008302306.AA27751@tilde>
Date: 30 Aug 90 23:06:03 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Fri Aug 31 00:06:03 1990

Sorry to post this, guys, but I can't email from this location.

To: Gary, N9KAW

Gary, I have had the same problem with my Astron 35M. The SCR in the unit sees the RF as an overvoltage and crowbars, shutting the output down. Turning the unit off and on again resets everything. I solved my problem by wrapping the DC leads going to my xcvr around a toroid.

Craig, KA5BOU

From 8506250034078623561
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ce89d52c037730df
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 16:19:56 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sol.ctr.columbia.edu!emory!mephisto!mcnc!unccvax!cs00jmc
From: cs00jmc@unccvax.uncc.edu (John Covington WN4BBJ)
Newsgroups: rec.ham-radio
Subject: Re: Shortwave Listening
Message-ID: <2650@unccvax.uncc.edu>
Date: 30 Aug 90 23:19:56 GMT
References: <paul.4430@wa1omm.UUCP>
Reply-To: cs00jmc@unccvax.UUCP (John Covington WN4BBJ)
Organization: University of North Carolina at Charlotte
Lines: 12
Posted: Fri Aug 31 00:19:56 1990

In article <paul.4430@wa1omm.UUCP> paul@wa1omm.UUCP (Paul MacDonald) writes:
>Is there an SWL newsgroup out there?
>--

Yes, it is called rec.radio.shortwave; it was created several months ago.

```
--
John Covington WN4BBJ     Internet: cs00jmc@unccvax.uncc.edu
P.O. Box 217122           MCI Mail: JCOVINGTON 342-6957
Charlotte, NC 28221-7122  Packet Radio Mail: WN4BBJ @ W4BFB.NC.USA.NA
(704) 537-7653            "Kenneth, what's the frequency?" "I dunno, ask Dan"
```

From 5035901817688863170
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,70a4e3de2fb1be7b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 17:40:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: Magmounts - no thanks.
Message-ID: <30.Aug.90.10:18:28.BST.#9216@UK.AC.NWL.IA>
Date: 30 Aug 90 09:08:25 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Thu Aug 30 10:08:25 1990

Antenna fixing; go drill a hole! Having played with mag-mounts and hatchback
mounts etc. i eventually bit the bullet & got out the hole saw.
Some magmounts have an annoying tendency to 'walk' across the roof on long
journeys (my 72MHz 1/2 wave whip would crawl from the center right to the edge
of the roof after 200 miles at 80-85MPH). With proper mounts, no problem.
I fitted one through the roof (using the dome lamp as access) and one in
place of the broadcast-band antenna on the rear panel. The roof
mounted antenna base is fitted with a square reinforcing plate behind to stop
metal flexing; the other mount is on a panel that is sufficiently curved to
be quite rigid enough for VHF antennas without any reinforcing plate.
If drilling holes, make sure you know whats behind; Its so easy to go
through wiring looms, or break through into a double-thickness panel
with no access. I have even heard of people finding where their gas tank was
with the end of their drill bit. If in doubt, leave it to the professionals..

```
    G6WBJ   G6WBJ@GB7SDN.GBR.EU   Pete Lucas  PJML@UK.AC.NWL.IA  0793-411613
```

From -8959797956361448518
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df38bde31f9d214c

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 18:42:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!ucdavis!uop!quack!mrapple
From: mrapple@quack.sac.ca.us (Nick Sayer)
Newsgroups: rec.ham-radio
Subject: Re: Internet link via RF
Summary: No, no, no!!!
Message-ID: <a5d446.348a@quack.sac.ca.us>
Date: 31 Aug 90 01:42:46 GMT
References: <651715209.786@quack.sac.ca.us> <12120043@hpldola.HP.COM> <18154@ucsd.Edu>
Organization: The Duck Pond, Stockton, CA
Lines: 21
Posted: Fri Aug 31 02:42:46 1990

In article <18154@ucsd.Edu>, brian@ucsd.Edu (Brian Kantor) writes:
) I don't think I've explained this before in this group, but there are
) several difficulties in the way of using ham radio to connect to the
) internet. In no particular order:

These do not at all apply to my situation. Everyone has assumed that
this has something to do with packet. If it did, I would have posted
there. I repeat -- this link will NOT run on packet. All I asked was
whether or not there was a good/easy way of achieving a 100 meter
RF >>>>> P O I N T   T O   P O I N T <<<<<< serial, full-duplex
data stream of up to 19200 baud with no error-correction necessary,
but with a fairly low error rate.

Lots of people have sent mail with various packet solutions. This is
NOT what I had in mind!

```
--
Nick Sayer               |  Disclaimer:
N6QQQ                    |    "Just because you're reading my post doesn't
mrapple@quack.sac.ca.us  |     mean we're gonna take long showers together."
209-952-5347 (Telebit)   |                      -- Gunnery Sgt. Thomas Highway
```

From -4145886469477923036
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b562790f5ad1b4b8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 20:31:40 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!mit-eddie!rutgers!bellcore-2!envy!karn
From: karn@envy..bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Re: Abbreviation for Units Multipliers
Message-ID: <1990Aug31.033140.6610@bellcore-2.bellcore.com>
Date: 31 Aug 90 03:31:40 GMT
References: <9008241338.AA05397@cmr.ncsl.nist.gov>
<1990Aug24.175456.7646@portia.Stanford.EDU> <-_B.9P.@splut.conmicro.com>

Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@envy.bellcore.com (Phil Karn)
Organization: Bell Communications Research, Inc
Lines: 22
Posted: Fri Aug 31 04:31:40 1990

In article <1990Aug24.175456.7646@portia.Stanford.EDU> paulf@jessica.stanford.edu (Paul Flaherty) writes:

>On a similar thread (since sci.engr isn't here yet): Who is responsible for
>keeping the brain damaged English units as the primary measurement system
>in the US? NIST? Congress?

Neither. The metric system has been the legal basis of measurement in the US for over 100 years. It's just that the traditional system is also still legal. The traditional units have their legal definitions in the metric system.

We have met the enemy, and he is us.

At least the sorry history of the metric system in the US gives hope with respect to the OSI "transition". If government exhortations have failed to make us adopt the metric system, an international standard that really IS widely used in the rest of the world and is clearly superior to US practice, then they're even less likely to get us to toss out a proven set of computer networking protocols in favor of a so-called "international standard" that exists only on paper and is in many ways inferior to present practice...

Phil

From 8287500692760972944
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df38bde31f9d214c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 21:02:18 PST
Path: gmdzi!unido!mcsun!uunet!salt.acc.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Internet link via RF
Summary: more dollars than sense
Message-ID: <18204@ucsd.Edu>
Date: 31 Aug 90 04:02:18 GMT
References: <12120043@hpldola.HP.COM> <18154@ucsd.Edu>
<a5d446.348a@quack.sac.ca.us>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 10
Posted: Fri Aug 31 05:02:18 1990

Golly, batman, you mean you want a non-ham solution? Buy a GEMLink.

Oh, you want a ham but non-packet solution? Buy a GEMLink and move it into a ham band, then run a pair of trailblazers over it.

A long coaxial cable?

Infrared? No license required, and it's RF of a kind. Check the Edmund Scientific catalog.
     - Brian

```
From 5752315901694804877
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,78d2e7fc30a65fab
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-31 05:39:46 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!swrinde!
ucsd!ucbvax!SACEMNET.AF.MIL!lwrclmr
From: lwrclmr@SACEMNET.AF.MIL ("LWRCLMR")
Newsgroups: rec.ham-radio
Subject: Call Plates
Message-ID: <9008301339.AA28501@ucsd.edu>
Date: 30 Aug 90 13:38:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 40
Posted: Thu Aug 30 14:38:00 1990
```

For CA:
  It's obvious that CA DMV offices are not with the program since by various postings here, CA call plates can cost anywhere from about $17-25 and sometimes, but not always, require a one time processing fee. Typical of most state bureacracies.

For OR:
  I got my call plates in 73 and have transfered them around ever since. initially, I paid a one time 'transfer of registration' fee of $5 each time I transfered the plates to a new vehicle, then paid the regular $20.00/two years fee (recently gone up to 30.00). I did the paperwork at the local DMV office. At the time I got them, you could only get the 7 call area on your plates. I don't know if that is still in effect or not. An interesting note: when I first applied for my plates, I asked for amateur call plates. The clerk was confused for a minute, then told me I could only get ham callsigns on plates. He wasn't aware that ham and amateur were the same. He went on to explain that the law specifically prohibited CB call signs on license plates, even the vanity ones ($60.00 extra per year). Once I convinced him ham and amateur were the same, all was well. They gave me a temporary tag and I got my call plates about four weeks later. Every time I go into a new town in Oregon, the cops always run my plates because they quit making that color of plates in about 75-76 and they're now on an 86 van. What fun!

For MI:

  All states are different. Here, the local Sectretary of State office handles registrations for vehicles, however, not for ham plates. you must first register your vehicle in the normal way, then call the state office in

Lansing and request an application for ham plates. Fill out the application and return it with a copy of your license. They will send you the plates and bill you the regular plate rate plus a two dollar processing charge. You then take your old plate to the local office for a refund of that plates fees. After that, you renew it yearly just like normal plates. Michigan has no restrictions on call areas. Now I have two vehicles one with Oregon plates and one with Michigan plates, both with the same callsign. (I can keep the OR plates since I'm in the military). More fun!!

73,
Michael
WA7SKG

From -4160915354581187674
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3cb07a2fca13cc2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-31 06:47:47 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!bu.edu!mirror!ssi3b1!shyoon!tegra!vail
From: vail@tegra.COM (Johnathan Vail)
Newsgroups: rec.ham-radio
Subject: Frequencies For Egeland AFB, North Florida
Message-ID: <1338@atlas.tegra.COM>
Date: 31 Aug 90 13:47:47 GMT
Organization: Tegra-Varityper, Inc., Billerica, MA
Lines: 20
Posted: Fri Aug 31 14:47:47 1990
In-reply-to: milly@lamont.ldgo.columbia.edu's message of 23 Aug 90 20:05:17 GMT

I am going to Florida the end of next week and will be bringing the IC-24 with me. Does anyone have frequencies that are used in that area that would be interesting to listen to? I figure I would scan the "normal" bands for aircraft and such. Assuming the 24 would recieve it ok. It does well for 120-130 aircraft band.

Thanks for the help.

[if I get email I can summarize]

jv

```
____//|
  O \\|
 -----
|     | Johnathan Vail | n1dxg@tegra.com
|Tegra| (508) 663-7435 | N1DXG@448.625-(WorldNet)
 -----  jv@n1dxg.ampr.org {...sun!sunne ..uunet}!tegra!vail
```

From 1909464952026282661

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df3284a9dc5bbb7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-31 06:51:06 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!voder!pyramid!prls!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Re: Metropolitan Area Positioning System
Message-ID: <107320@philabs.Philips.Com>
Date: 31 Aug 90 13:51:06 GMT
References: <SCOTTP.90Aug28101844@eecs.cs.pdx.edu> <4279@qip.UUCP> <18125@ucsd.Edu>
Sender: news@philabs.Philips.Com
Reply-To: rfc@briar.philips.com.UUCP (Robert Casey)
Distribution: rec
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 42
Posted: Fri Aug 31 14:51:06 1990

In article <18125@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
  A magnetic-field antenna (big ferrite rod) would eliminate
>most of those problems, hence my question a few weeks back on this
>group as to where to find big ferrite rods.
I suppose you should be able to epoxy glue several AM rods end-to-end
together. Ferrite is (or used to be) some sort of magnetic material that was
ground up, mixed with an insulating glue, and molded into useful shapes.
Being ground up reduced eddy currents.
>
>One interesting thing you'll find if you start having an accurate nav
>instrument in your car: a lot of the roads aren't exactly where the
>maps show them to be. Some are off by a tenth of a mile or more out in
>the middle of nowhere. (I can't help but wonder if that's just plain
>simple error or whether the Defense Highway System isn't where the maps
>show it to be in order to make bombing it harder!)

commercial map makers introduce little errors into their maps to trap other
mapmakers that might pirate copy the original. If the second mapmaker's map
has the same error, than it is obvious that he pirated the info.

 73 de WA2ISE

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From 6570895350342036539
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df38bde31f9d214c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-31 08:11:01 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!wuarchive!zaphod.mps.ohio-state.edu!swrinde!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Internet link via RF
Message-ID: <18154@ucsd.Edu>
Date: 30 Aug 90 16:12:55 GMT
References: <651715209.786@quack.sac.ca.us> <12120043@hpldola.HP.COM> <a5cf2e.1501@quack.sac.ca.us>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 38
Posted: Thu Aug 30 17:12:55 1990

I don't think I've explained this before in this group, but there are several difficulties in the way of using ham radio to connect to the internet. In no particular order:

1) The CATENET structure of the internet requires that there be a single logical gateway between two networks. This implies that a network is fully internally connected; the AMPRNet is not.

2) Lacking a fully internally connected network, only one of the clusters of hosts could be connected and the others would NOT be connected, but there is no way to advise hosts attempting connections to network addresses except to return "host unreachable" ICMP messages. Since these do not contain an "expected return to service" timestamp, it is not possible to advise that the condition of unreachability is a PERMANENT one.

3) There are legal restrictions in the USA that prevent packets not originated by hams from automatically keying a ham transmitter for transport to your station. Other countries lack third-party agreements that would allow them at all. Complex schemes of authorizing transmissions might make this legal but they would be cumbersome and cannot be guaranteed.

4) There are content restrictions on ham radio transmissions which

probably require manual screening of content. Unrestricted packet
exchange between AMPRNet radio-based hosts and the rest of the internet
could well run into this restriction.

However, all is not dark:

You could apply for a class-C internet network number assignment from
the NIC to avoid problems 1 and 2 above, and devise some remote control
and filtering gateway to avoid 3. There are people who are doing
this in various places; I suspect to some extent they are relying on the
FCC simply not catching the occasional slip they may make. Probably
they are right: it's almost always easier to obtain forgiveness than
permission.
          - Brian

From 3372885033605928971
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,143ea2b64ef8b869
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-31 09:14:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!milton!uw-beaver!
sumax!quick!amc-gw!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: _Pump Up the Volume_ bad for amateu
Summary: rave on...
Message-ID: <184@ssc.UUCP>
Date: 31 Aug 90 16:14:11 GMT
References: <5586@plains.NoDak.edu> <30500707@ux1.cso.uiuc.edu>
Organization: very little
Lines: 35
Posted: Fri Aug 31 17:14:11 1990

In article <30500707@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
>
> FLAME WARNING !!!
>
>
> It ABSOLUTELY DOES **NOT** mean that I like the idea. Some people have an
> attitude problem when it comes to ISSUES: they are UNABLE to deal with things
>
> If fully support the right for people to OWN:
>   GUNS without a license
>   CARS without a license
>   FISHING RODS without a license
>   TRANSMITTERS without a license
>   ANY CHEMICAL OR DRUG without a license
> and for anyone to make or manufacture for themselves any of the above.
>
> Now if you had posted some of these issues back then, it might have been made
> clearer now. I just don't like being taken out of context.
>

Well, I guess we know now where PHIL stands on the issues! Nice to get it all in a neat list. Does this include NUCLEAR weapons?

Warning: The above was taken out of context!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -7622629719676945388
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bbb900e752752a9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-31 09:52:58 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!ucbvax!TRIUMFER.BITNET!MULTI
From: MULTI@TRIUMFER.BITNET
Newsgroups: rec.ham-radio
Subject: Experience with Butternut HF6V-X vertical
Message-ID: <90Aug30.164300edt.57393@ugw.utcs.utoronto.ca>
Date: 30 Aug 90 20:43:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Thu Aug 30 21:43:00 1990

Does anybody have any experience with the butternut HF6V-X vertical, particularly on 80 meters and 40 meters? How does it compare to a dipole antennae?

Y.N. Miles,
VE7-ALQ
<MULTI@TRIUMFcl.Bitnet>

From 255085947891748925
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9d5e3ae7a079f5c2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-31 10:47:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!xanadu!jeff
From: jeff@xanadu.com (Jeff Crilly N6ZFX)
Newsgroups: rec.ham-radio
Subject: Re: Good Ham Radio Experiences)

Message-ID: <1990Aug31.174722.1054@xanadu.com>
Date: 31 Aug 90 17:47:22 GMT
References: <8336@ncar.ucar.edu> <7880264@hpfcdc.HP.COM>
Organization: AMIX Corporation, Palo Alto, CA
Lines: 19
Posted: Fri Aug 31 18:47:22 1990

In article <7880264@hpfcdc.HP.COM> ajs@hpfcdc.HP.COM (Alan Silverstein) writes:
>> ...challenge to say something *good* about our hobby.
>
>Last Sunday evening I backpacked into the Boulderfield, 12800', north of

[Story about helping out the EMT after a backpacking accident and helping people in the backcountry contact relatives deleted]

During the recent Yosemite fires, I overheard a conversation between a ham on the top of Half-Dome Peak with a bunch of boy souts talking to a ham here in the penninsula (Redwood City) via one of the local repeaters. The guy in Yosemite knew about the fires, but after traveling all the way from southern california, elected to enter the park anyhow (apparantly the west side of the park never closed). Anyhow the ham in Redwood City set up a phone patch lash up to the other guy's parents who were in Oakland. Apparantly his parents were real pleased to hear from him and to find out that they were safe away from the flames. It was pretty neat.

Jeff

From 7693742798947652781
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14f22e08f60e1206,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-31 12:01:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!samsung!usc!randvax!vortex!root
From: root@vortex.COM (Superuser)
Newsgroups: rec.ham-radio
Subject: biological effects of handheld transceivers?
Message-ID: <49.UUL1.3#1@vortex.COM>
Date: 31 Aug 90 19:01:25 GMT
Organization: Vortex Technology
Lines: 14
Posted: Fri Aug 31 20:01:25 1990

Does anyone out there have any reasonably up-to-date information on the current thinking regarding possibly negative biological effects from handheld transmitters (e.g. 2m and 440-450 Mhz units)? In particular, the effects on eyes (cataract and vitreous) and other biologic effects (e.g. brain effects).

At one point, the literature seemed to imply that eye effects were worse as the frequency went higher, and that brain effects (possible cancers, etc.) were centered around the 400-500 Mhz UHF region.

With the increasing use of handheld units with stubby little antennas and higher power (such as five watts, compared to older units that typically ran a max of one watt) these issues seem to be of increasing concern.

From 7184958064304244734
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c026836b8e8ca8fc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-31 12:39:00 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: call sign auto tags
Message-ID: <30500709@ux1.cso.uiuc.edu>
Date: 30 Aug 90 22:44:00 GMT
References: <2996@mrsvr.UUCP>
Lines: 6
Nf-ID: #R:mrsvr.UUCP:2996:ux1.cso.uiuc.edu:30500709:000:301
Nf-From: ux1.cso.uiuc.edu!phil   Aug 30 17:44:00 1990
Posted: Thu Aug 30 23:44:00 1990

I believe Wisconsin is one of the states where you can actually have two and maybe even more cars with the SAME PLATE number if it is a HAM PLATE.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -3909561532644684150
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3fa0ec7ebb583dc4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-31 14:14:34 PST
Path: gmdzi!unido!mcsun!uunet!pyrdc!gmu90x!gmuvax2!umbc3!haven!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!van-bc!ubc-cs!uw-beaver!zephyr.ens.tek.com!tektronix!sequent!mntgfx!mbutts
From: mbutts@mentor.com (Mike Butts)
Newsgroups: rec.ham-radio
Subject: No-code HF license in Japan
Message-ID: <1990Aug31.211434.3678@mentor.com>
Date: 31 Aug 90 21:14:34 GMT
Organization: engr
Lines: 30
Posted: Fri Aug 31 22:14:34 1990

At the risk of starting another no-code flamefest which devolves into tedium...

At a dinner party for some visiting Japanese friends last night, I was delighted to discover that one of the visitors was a ham. Part of our eyeball QSO touched on comparing notes on the different license classes in our two countries. He said the most popular license in Japan is what he called "Novice Radiotelephone", which has no code requirement, but a significant theory exam: essay questions at the level of impedance, resonance, etc. The privileges are 80M, 40M, 10M and VHF SSB, 10 watts maximum power. I was very surprised to hear of this, because of the oft-cited IARU regulation requiring CW exams for HF licenses, but he insisted that this is the case. (He also mentioned that some of these hams run "Tokyo 10 watts", nudge, nudge, wink, wink, say no more...) I believe he said they also have a no-code license with a tougher theory exam and more VHF privileges.

In his experience (2nd class license for 15 years, DXCC on 40 SSB), the no-code licenses have brought in a lot of hams who upgrade to the higher classes as they get involved.

Of course, if you think about it, CW is not going to be real attractive if your language is not based on an alphabet. He said the higher classes which require code tests use the Roman alphabet with Int'l Morse, but that the top class also requires skill at the Katakana code. Katakana is a kind of larger alphabet with a symbol for each syllable. Katakana Morse has some pretty long characters, so Katakana QSOs use lots of abbreviations.

```
--
Michael Butts, Research Engineer          KC7IT          503-626-1302(fax:1282)
Mentor Graphics Corporation, 8500 SW Creekside Place, Beaverton, Oregon   97005
...tektronix!sequent!mntgfx!mbutts    uunet!mntgfx!mbutts     mbutts@mentor.com
Any opinions are my own, and aren't necessarily shared by Mentor Graphics Corp.
```

```
From -5650989663474947488
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c1519a277c32695c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,c1519a277c32695c,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-08-31 15:46:02 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!joehol
From: joehol@microsoft.UUCP (Joseph HOLMAN)
Newsgroups: rec.ham-radio,rec.ham-radio.swap
Subject: wanted: 73 QST satellite articles
Keywords: between 1960 and 1985
Message-ID: <57118@microsoft.UUCP>
Date: 31 Aug 90 22:46:02 GMT
Organization: Microsoft Corp., Redmond WA
Lines: 11
Xref: gmdzi rec.ham-radio:14532 rec.ham-radio.swap:587
Posted: Fri Aug 31 23:46:02 1990
```

WANTED !

73 or QST mags. w/ articles related to Amateur Radio Satellites between 1960 and 1985...

joe holman, ka7ldn

joehol@microsoft.uucp
uw-beaver!microsoft!joehol

From -7873609685885398498
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df38bde31f9d214c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-31 18:41:44 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!ucdavis!uop!quack!mrapple
From: mrapple@quack.sac.ca.us (Nick Sayer)
Newsgroups: rec.ham-radio
Subject: Re: Internet link via RF
Message-ID: <a5d528.396e@quack.sac.ca.us>
Date: 31 Aug 90 05:28:31 GMT
References: <651715209.786@quack.sac.ca.us> <12120043@hpldola.HP.COM> <18154@ucsd.Edu> <a5d446.348a@quack.sac.ca.us>
Organization: The Duck Pond, Stockton, CA
Lines: 49
Posted: Fri Aug 31 06:28:31 1990

I have been refered to Ham Radio (RIP) magazine's December '89 issue, where a 10 GHz system that fulfills almost all my requirements. Inquiries are pending to the author(s) for PC board layout(s). Even if this doesn't work, it'll still be a nice thing to have laying about, as well as a matter of pride, etc. This leads to some further questions:

1. Of course EHF is dangerous, but is there any way to effectively quantify the hazard? This thing aparently puts out about 10 mW of power, which, with the dish, means about 10w of ERP with a 4 degree half-power beamwidth. What kind of biological hazard is posed by standing behind the dish, to the side of the dish, and in front of the dish? How close to the dish in the directions I've mentioned is considered safe? I want to be safe about this, but I'm unlikely to be able to put this thing too far away from people. If that's not safe, there's little point in proceeding.

2. The distance measured on a map turned out to be about an order of magnitude higher than I first estimated (how embarassing!). The link is about a half mile, rather than 100 meters. With line of sight, this wouldn't matter, but without, is there any point in proceeding? We do get fog. How likely is that to interrupt a link of this distance?

3. If anyone has this article, how easy would it be to move the operating frequency of this device down? Sacrificing the bitrate is OK, since the design bitrate is about two orders of magnitude higher than my needs dictate. Along similar lines, what frequencies in the low EHF range would be acceptable for this project? This

question explicitely includes non-ham bands where licensing procedures would be either simple/cheap or non-existent.

4. If this doesn't work, I know a local repeater with a half-duplex autopatch. I could let them use/have/borrow this thing for audio and we'd have a full duplex patch. The article says this device has a theoretical link distance of 40 miles. How well does that theory stand up? How about with fog?

5. Anyone who is a 10 gig wizard, please send any advice you may have for a ham whose highest QSO of any substance so far has been 220 Mhz.

I guess that's all for this time. I want to thank everyone who has sent suggestions, and I'm sorry for getting a little cheesed about all the packet suggestions -- I probably should have been more clear in my original post.

```
--
Nick Sayer               |  Disclaimer:
N6QQQ                    |    "Just because you're reading my post doesn't
mrapple@quack.sac.ca.us  |     mean we're gonna take long showers together."
209-952-5347 (Telebit)   |                       -- Gunnery Sgt. Thomas Highway
```

From 7496480970104988012
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,42235c52cc2379ac,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,42235c52cc2379ac,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 105d97,42235c52cc2379ac,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-08-31 18:52:53 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!samsung!crackers!cpoint!cpoint.clearpoint.com
From: die@cpoint.clearpoint.com (David I. Emery)
Newsgroups: rec.radio.shortwave,rec.ham-radio,sci.electronics
Subject: Monitoring Air Force One Communications - End of an era
Keywords: 27000 28000 X-Band Milstar Nationwide Autovon GEP
Message-ID: <7230@cpoint.clearpoint.com>
Date: 31 Aug 90 06:29:04 GMT
Sender: die@cpoint.clearpoint.com
Followup-To: rec.radio.shortwave
Organization: Clearpoint Research Corp., Hopkinton Mass.
Lines: 46
Xref: gmdzi rec.radio.shortwave:2005 rec.ham-radio:14490 sci.electronics:8232
Posted: Fri Aug 31 07:29:04 1990

The new Air Force One, a 747 with tail number 28000, has been delivered to the Air Force and is currently conducting tests prior to being used to carry the president for the first time.

It appears that this aircraft will use multichannel X-Band DSCS (7-8 Ghz) or millimeter wave (20 and 40 Ghz) Milstar satcom for its primary voice/data links to the ground, relegating the 225-400 MHz UHF-FM-FDM Autovon GEP circuits and the 415 MHz NBFM "Nationwide" circuit to the same low priority, infrequently used, backup role as the traditional HF SSB "Mystic Star" channels that are still kept up to AF-1 for communication coordination and emergency backup.

This means that in the next few days a 27 year long era will draw to a close for radio hobbiests; it will no longer be possible to listen in on much of the telephone traffic (almost all but the secure satcom) from the presidents plane as it flies overhead. This marks the passing one of the last "in-the-clear" federal communications systems carrying genuinely interesting traffic that can be monitored with simple equipment; although the UHF-wideband FM GEP Autovon and nbfm Nationwide circuits will supposedly still be maintained to the plane and may carry occasional traffic, it will likely be very low level, routine, and infrequent.

For many years (from the 60s to the early 80's) the secure circuits from the plane were often of such poor quality (1200 baud vocoded voice was used for several years using first generation vocoders designed in the 60s) that many presidential calls were routed over the Autovon and Nationwide channels, and even in the last few years quite a few presidential calls have showed up on these clear circuits, especially on the Autovon (the "Alpha" and "Bravo") channels. For those who enjoyed such things and knew about how the circuits worked there was some interesting listening, especially in the early days of the systems before the introduction of usable secure satcom for high level calls.

So thus passeth into cryptographic obscurity one of the most interesting remaining open federal circuits. Soon the only interesting easily received US government signals in the clear will be NOAA weather broadcasts, NASA Select TV and Wefax transmissions. I am sure that there are those at NSA, IRAC and the White House Office of Telecomunications Policy who are saying it's about time this was true.
--
David I. Emery   Clearpoint Research Corp.
35 Parkwood Dr, Hopkinton Ma. 01748 +1-508-435-7462
{m2c,frog,harvard}!crackers!cpoint!die,   Internet: die@clearpoint.com

From 4850179929776570476
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,366a891afe53fd8a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-31 19:02:03 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: mHz
Message-ID: <223@bongo.UUCP>

Date: 1 Sep 90 02:02:03 GMT
References: <9008290300.AA05565@cmr.ncsl.nist.gov> <174@ssc.UUCP>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 41
Posted: Sat Sep 1 03:02:03 1990

In article <174@ssc.UUCP>, tad@ssc.UUCP (Tad Cook) writes:
> In article <9008290300.AA05565@cmr.ncsl.nist.gov>, rc@CMR.NCSL.NIST.GOV (Robert
Carpenter) writes:
> > All this talk of FM stations takes me back to the early 60s when I put
> > WHFS (FM) on the air,
> >
> > To get to the point, I never did call "CQ 3 meters", but I came close...
> > We had a 15-minute ham radio program each Sunday; talk about TRYING to go
> > broke...The

Back in the late sixties there was an outbreak of 3 Meter QSOs in the Copenhagen Denmark area. At that time in most of European radio was still a gummint monopoly. Part of the wisdom of the gummint said that the FM band could only contain 3 or 4 local stations without adjacent channel and co channel interference. Like once a year for 3 hours when the sporadic E was so good you could hear Italy and France on the VHF FM Broadcast band. Well, you could hear this stuff because the bands were so under used.

Some local ham types, mostly unlicenced, were tired of tuning their B&O FM radios up and down a band that only offered "Program One, Two and Three". Really imaginative folks down at Radio Denmark. All that empty spectrum. They had the receivers, they had the antennas. All they needed was the transmitters. Thus the "Tre Meter Band" was born. Using PA mic amps and simple tube transmitters deviating +- 75 kHz real hi-fi QSOs were held around the Copenhagen area. Some of these signals were excellent with the pirates priding themselves in their hi-fi signals using Sennheiser mics etc. For some reason this was all chat, no one thought of connecting a turntable - that I heard - and spinning a Victor Borge or two.

After a few months it came to an end. The local Post and Telegraph paid a visit and all the fun went out of it.

A couple of the leading lights of the "Three Meter Band" became excellent RF designers and put out some nice Two Meter kits as well as getting real jobs with one of the local two-way manufacturers.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From -3291413194340732841
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5393ca9c454bc1ab

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-31 19:42:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: Drilling Holes
Message-ID: <7876@helios.TAMU.EDU>
Date: 31 Aug 90 12:34:26 GMT
References: <1990Aug29.154635.13906@math.lsa.umich.edu> <1250219@hpnmdla.HP.COM>
Sender: usenet@helios.TAMU.EDU
Organization: Computer Science Department, Texas A&M University
Lines: 10
Posted: Fri Aug 31 13:34:26 1990

In article <1250219@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:

>I used a Greeley (Spelling?) punch.

I believe what you mean is Greenlee Punch. At least that's the name on mine. I don't remember the size offhand and I haven't installed any antennae lately, but they do make a punch that is just the right size for putting in those Motorolla mounts.

bill gunshannon   KB3YV

From -7173760660056925‌8
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3e6e95a61b5ad7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-31 21:12:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!rex!ufloridalhaven!decuac!shlump.nac.dec.com!ryn.esg.dec.com!ultnix.enet.dec.com!taber
From: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Newsgroups: rec.ham-radio
Subject: Re: _Pump_Down_The_Volume_Already_
Message-ID: <1990Aug31.083118@ultnix.enet.dec.com>
Date: 31 Aug 90 12:31:18 GMT
References: <9008301153.AA25348@ucsd.edu>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Organization: KC1TD@KB4N.NH.USA.NA.EARTH.SOLAR_SYSTEM.UNIVERSE.MIND_OF_GOD
Lines: 16
Posted: Fri Aug 31 13:31:18 1990

In article <9008301153.AA25348@ucsd.edu>, MROWEN@STLAWU.BITNET (Mike Owen W9IP) writes:
|> Is there anything to be gained by turning this thread into
|> ANOTHER flame battle about licensed/unlicensed transmitters?
|>

But we haven't decided yet if unlicensed operators need to pass a code test to operate from an airliner in flight...

--
>>>==>PStJTT
Patrick St. Joseph Teahan Taber

My employer doesn't care what I think. I, in turn, don't care what you think. You probably don't care what my empolyer thinks. Thus is life a circle.

From 8136878162541267883
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b562790f5ad1b4b8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-31 21:12:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!rex!uflorida!haven!decuac!shlump.nac.dec.com!ryn.esg.dec.com!ultnix.enet.dec.com!taber
From: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Newsgroups: rec.ham-radio
Subject: Re: Abbreviation for Units Multipliers
Message-ID: <1990Aug31.091345@ultnix.enet.dec.com>
Date: 31 Aug 90 13:13:45 GMT
References: <1990Aug31.033140.6610@bellcore-2.bellcore.com> <9008241338.AA05397@cmr.ncsl.nist.gov> <1990Aug24.175456.7646@portia.Stanford.EDU> <-_B.9P.@splut.conmicro.com>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Organization: KC1TD@KB4N.NH.USA.NA.EARTH.SOLAR_SYSTEM.UNIVERSE.MIND_OF_GOD
Lines: 24
Posted: Fri Aug 31 14:13:45 1990

In article <1990Aug31.033140.6610@bellcore-2.bellcore.com>, karn@envy..bellcore.com (Phil Karn) writes:

|>
|> At least the sorry history of the metric system in the US gives hope
|> with respect to the OSI "transition". If government exhortations have
|> failed to make us adopt the metric system, an international standard
|> that really IS widely used in the rest of the world and is clearly
|> superior to US practice, then they're even less likely to get us to
|> toss out a proven set of computer networking protocols in favor of a
|> so-called "international standard" that exists only on paper and is in
|> many ways inferior to present practice...
|>

At least once a month you provide an unprovoked attack against OSI. What's the beef? Is this the code/nocode of the packet generation?

--
>>>==>PStJTT
Patrick St. Joseph Teahan Taber

My employer doesn't care what I think. I, in turn, don't care what
you think. You probably don't care what my empolyer thinks. Thus is
life a circle.

From 465657990753090756
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5393ca9c454bc1ab
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-31 21:17:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!voder!
thoreau!rtodd
From: rtodd@thoreau.nsc.com (=Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: Drilling Holes
Summary: punching and the GOOD side
Message-ID: <92@thoreau.nsc.com>
Date: 31 Aug 90 14:07:30 GMT
References: <1990Aug29.154635.13906@math.lsa.umich.edu> <1250219@hpnmdla.HP.COM>
Organization: National Semiconductor, S. Portland, Maine
Lines: 25
Posted: Fri Aug 31 15:07:30 1990

In article <1250219@hpnmdla.HP.COM>, alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>
> >How do you drill a hole without messing up the paint? Is there any
> >danger of the paint chipping? (my car is 4 months old)
>
> I used a Greeley (Spelling?) punch. You drill a small (1/4 inch) hole
> and insert the screw thread of the punch through the hole. Spin on the
> cutting die of the punch on the screw and tighten with a wrench until
> the large hole is cut. (This asumes you can get at the other side.)
>

Punching a hole from the "BAD" side to the "GOOD" side using a Greenly
punch without scratching the paint with the die (the cup shaped piece)
is no problem if you interpose a piece of cardboard between the die
and the finished surface. The small punch burr is no problem to clean
up if needed, just chamfer the hole with a knife. Using this technique
you need not find "wrench room" on the back side, only access space and
clearance to get the punch piece to the worm. I use the cardboard
usually found on the back of note pads and writing tablets, this is
sufficient protection for common chassis material, with the thin sheet
used in today's cars you can even use "oaktag", you know, the stuff
they make file folders of, heck, even a cereal box will supply the
required material.

Ron Todd   K3FR

From 9210421127929707602
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,26a5a0e44beddd43,start

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-31 21:22:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!princeton!udel!wuarchive!usc!ucsd!ucbvax!
BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9008311704.AA09568@blackbird.afit.af.mil>
Date: 31 Aug 90 17:04:15 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 429
Posted: Fri Aug 31 18:04:15 1990
```

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #742 -
Alouette 1
1 00424U 62B-A  1 90241.43947911  .00000188  00000-0  21616-3 0  3387
2 00424  80.4609 213.8463 0024721  82.9700 277.4274 13.67379207392707
ATS 3
1 03029U 67111  A 90239.41820693 -.00000074  00000-0  99999-4 0  4071
2 03029  13.2925  20.5931 0015083 211.0576 148.8927  1.00272395 83501
Cosmos 398
1 04966U 71 16  A 90241.10022839  .00051781  18084-4  28140-3 0   649
2 04966  51.5339  54.3299 2232865 285.9892  50.7326 11.14640111599800
Starlette
1 07646U 75010  A 90240.37595612 -.00000099  00000-0 -30361-4 0   942
2 07646  49.8303 233.6498 0205854  69.6412 292.6471 13.82139912785762
LAGEOS
1 08820U 76039  A 90234.19013317  .00000003  00000-0  00000 0 0   977
2 08820 109.8590  17.7193 0044607 224.1346 135.5309  6.38664276 78158
GPS-0001
1 10684U 78020  A 90239.73654813  .00000006  00000-0  99999-4 0  4840
2 10684  63.7432  87.3316 0119886 197.9325 161.6958  2.00555555 77285
GPS-0002
1 10893U 78 47  A 90241.21372590 -.00000024  00000-0  00000 0 0  2249
2 10893  64.3593 328.1568 0169568  25.3938 335.4714  2.00542175 90137
GOES 3
1 10953U 78062  A 90237.74523002  .00000101  00000-0  99999-4 0  9390
2 10953   7.1116  65.6232 0009490  78.4147 281.8583  1.00272821  5332
SeaSat 1
1 10967U 78064  A 90241.20025604  .00000881  00000-0  34673-3 0  3664
2 10967 108.0241 110.8797 0002479 228.1994 131.8970 14.35810045636938
GPS-0003
1 11054U 78093  A 90236.00718179 -.00000023  00000-0  00000 0 0  2551
2 11054  63.8780 324.5692 0060221 119.8300 240.8245  2.00568032 87049
```

```
Nimbus 7
1 11080U 78098  A 90241.28536915  .00000108  00000-0  12692-3 0  6895
2 11080  99.1862 144.5244 0008229 251.0064 109.0201 13.83452274598149
GPS-0004
1 11141U 78112  A 90237.60686912  .00000006  00000-0  00000 0 0  4244
2 11141  63.7420  87.2809 0058485 316.1805  43.4257  2.00554103 85772
GPS-0005
1 11690U 80 11  A 90232.76207365  .00000008  00000-0  00000 0 0    54
2 11690  64.2285  89.5722 0117191 202.5931 156.9753  2.00554870 91536
GPS-0006
1 11783U 80 32  A 90237.55621044 -.00000023  00000-0  00000 0 0  1932
2 11783  63.6789 324.0676 0151154  60.4669 301.0864  2.00559620 75718
GOES 5
1 12472U 81049  A 90240.54512277 -.00000093  00000-0  99999-4 0  9651
2 12472   3.6410  74.6273 0000963  45.9502 314.2948  1.00205416 32953
DE 1
1 12624U 81 70  A 90241.27670011  .00000069  00000-0  99999-4 0  5104
2 12624  88.9681 147.1932 6213993 257.9770  30.4117  3.51016421264588
SME
1 12887U 81100  A 90241.37946781  .00069680  00000-0  97749-3 0  8006
2 12887  97.6265 293.5256 0003480 120.4110 239.7454 15.56511930492633
Salyut 7
1 13138U 82 33  A 90241.66014277  .00061682  00000-0  50107-3 0  4726
2 13138  51.6004 290.6528 0001336  53.5288 306.5771 15.70106582476371
Cosmos 1383
1 13301U 82 66  A 90240.95971057  .00000151  00000-0  16425-3 0  5914
2 13301  82.9272 247.4323 0026702 323.8290  36.1058 13.67842444407624
LandSat 4
1 13367U 82 72  A 90241.05478589 -.00000049  00000-0 -59180-5 0  4292
2 13367  98.1588 302.1307 0002141 268.3576  91.7380 14.57137667431915
IRAS
1 13777U 83  4  A 90236.51712971 -.00000083  00000-0 -45250-4 0  8029
2 13777  99.0240  72.2509 0012456 196.0299 164.0495 13.98806749 56498
Cosmos 1447
1 13916U 83 21  A 90237.29994975  .00000083  00000-0  81609-4 0  7389
2 13916  82.9474 320.9683 0037843 310.1533  49.6308 13.74055579372163
TDRS 1
1 13969U 83 26  B 90240.72137528  .00000127  00000-0  99999-4 0   751
2 13969   4.6481  65.2532 0002350 114.6552 245.6001  1.00269633    64
GOES 6
1 14050U 83 41  A 90240.65757914  .00000117  00000-0  99999-4 0  2334
2 14050   2.4085  77.4137 0001530  88.8472 271.5084  1.00271188   461
OSCAR 10
1 14129U 83 58  B 90238.61336051 -.00000014  00000-0  00000 0 0  5461
2 14129  26.0406 187.8160 5953791 170.7905 208.8811  2.05880617 26188
GPS-0008
1 14189U 83 72  A 90241.02221987  .00000005  00000-0  99999-4 0  8230
2 14189  63.3907  85.5896 0147798 219.3384 139.6524  2.00701393 52226
LandSat 5
1 14780U 84 21  A 90241.08327345 -.00000297  00000-0 -60783-4 0  2927
2 14780  98.1994 300.0449 0001839  46.2078 313.9331 14.57115588345336
UoSat 2
1 14781U 84 21  B 90240.59690518  .00001927  00000-0  36301-3 0  7739
```

```
2 14781  97.9464 290.7747 0013176  23.1619 337.0196 14.65604018346577
GPS-0009
1 15039U 84 59  A 90241.16281950  .00000005  00000-0  00000 0 0   166
2 15039  63.2048  84.8578 0022181 239.7457 120.2094  2.00611889 45501
Cosmos 1574
1 15055U 84 62  A 90240.84171170  .00000128  00000-0  12674-3 0  9365
2 15055  82.9564   8.7419 0028542 118.1331 242.2724 13.73371791310043
GPS-0010
1 15271U 84 97  A 90238.10230295 -.00000024  00000-0  00000 0 0  8915
2 15271  63.1810 323.5718 0106557 327.6961  31.7113  2.00558533 42557
Cosmos 1602
1 15331U 84105  A 90240.63776403  .00003495  00000-0  47336-3 0  3454
2 15331  82.5376 293.7513 0024701  93.8409 266.5607 14.78498594318792
NOAA 9
1 15427U 84123  A 90240.01557289  .00000547  00000-0  31581-3 0  6184
2 15427  99.1719 241.5286 0015439 163.5893 196.5783 14.12648317294126
Cosmos 1686
1 16095U 85 86  A 90240.89628108  .00111259  00000-0  89651-3 0  7398
2 16095  51.6031 294.5579 0003138  41.0246 318.6696 15.70052208277355
GPS-0011
1 16129U 85 93  A 90239.80528330  .00000006  00000-0  00000 0 0  5672
2 16129  63.8992  85.8262 0126499 148.0287 212.8156  2.00510014 35792
Mir
1 16609U 86 17  A 90241.74695249  .00040804  00000-0  46687-3 0  8973
2 16609  51.6132 318.9859 0025749 306.7668  53.1358 15.61317876259600
SPOT 1
1 16613U 86 19  A 90240.64762418  .00000474  00000-0  24057-3 0   890
2 16613  98.7292 314.1356 0001072  32.4087 327.7145 14.20049069 74211
Cosmos 1766
1 16881U 86 55  A 90241.06607694  .00003794  00000-0  52156-3 0  1359
2 16881  82.5232 352.3146 0023299 109.6858 250.6875 14.77927035219914
EGP
1 16908U 86 61  A 90236.42823778 -.00000068  00000-0 -20675-3 0  2426
2 16908  50.0089  46.2006 0010762  10.6717 349.4344 12.44388186183350
NOAA 10
1 16969U 86 73  A 90241.08681656  .00000656  00000-0  30372-3 0  4621
2 16969  98.5965 267.3920 0014646  59.9205 300.3427 14.23706109204980
MOS-1
1 17527U 87 18  A 90240.23154256  .00000109  00000-0  93962-4 0  6562
2 17527  99.1043 311.8450 0000528 101.2869 258.8347 13.94889989179309
GOES 7
1 17561U 87 22  A 90240.33776139 -.00000108  00000-0  99999-4 0  5831
2 17561   0.0626 328.3623 0026150  90.3155 301.5893  1.00273961  6161
Kvant-1
1 17845U 87 30  A 90241.68293957  .00040790  00000-0  46687-3 0  2399
2 17845  51.6130 319.3101 0025657 305.2747  54.5933 15.61312280259592
DMSP B5D2-3
1 18123U 87 53  A 90241.07506055  .00000000  00000-0  99999-5 0  6865
2 18123  98.8151  70.6986 0015691 174.3104 185.8258 14.14119433164703
RS-10/11
1 18129U 87 54  A 90240.87042174  .00000193  00000-0  20071-3 0  3038
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Meteor 2-16
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1 18312U 87 68  A 90241.07356981  .00000220  00000-0  18868-3 0  4857
2 18312  82.5446 232.4990 0014997  44.0396 316.1925 13.83669948153060
Meteor 2-17
1 18820U 88  5  A 90241.12367144  .00000211  00000-0  17952-3 0  3517
2 18820  82.5442 292.4839 0017916 116.7539 243.5458 13.84366656130271
DMSP B5D2-4
1 18822U 88  6  A 90241.05382325  .00000860  00000-0  40992-3 0  6210
2 18822  98.6355 118.5449 0007743  63.9128 296.2850 14.21529120133175
AO-13
1 19216U 88 51  B 90233.10507939  .00000146  00000-0  99999-4 0  1444
2 19216  56.9230 139.8507 7012370 234.0055  39.5251  2.09695679 16766
OKEAN 1
1 19274U 88 56  A 90241.15432468  .00002409  00000-0  33578-3 0  9364
2 19274  82.5142  90.9134 0020438 243.3830 116.4976 14.77268000115694
Meteor 3-2
1 19336U 88 64  A 90240.97555581  .00000392  00000-0  99999-3 0  5660
2 19336  82.5240 225.9110 0017635 130.2790 229.9790 13.16904207100539
NOAA 11
1 19531U 88 89  A 90241.31346508  .00000825  00000-0  47358-3 0  3436
2 19531  98.9865 189.7191 0013268  79.1484 281.1175 14.11689487 99287
TDRS 2
1 19548U 88 91  B 90232.57155407  .00000114  00000-0  99999-4 0  1462
2 19548   0.2627  83.6861 0002668  53.6556 222.6622  1.00274381   895
Cosmos 2001
1 19796U 89 11  A 90241.46473117 -.00001001  00000-0  99999-4 0  6168
2 19796  63.4536  83.7196 7056898 319.8568   5.2711  2.00647723 11276
GPS BII-01
1 19802U 89 13  A 90233.24152199  .00000016  00000-0  99999-4 0  1540
2 19802  55.0484 194.8560 0052488 166.0565 194.0528  2.00648564 11058
Akebono
1 19822U 89 16  A 90237.34612255  .00023151  00000-0  13732-2 0  7274
2 19822  75.1017 204.9079 4168805 177.6000 185.4655  7.13629871  4764
Meteor 2-18
1 19851U 89 18  A 90241.04223639 -.00000122  00000-0 -11520-3 0  3000
2 19851  82.5229 170.4087 0015914 153.4871 206.7167 13.83993780 75642
TDRS 3
1 19883U 89 21  B 90232.20311687 -.00000237  00000-0  99999-4 0  1504
2 19883   0.2967  84.2751 0003168 114.1260 161.6400  1.00264700 75599
GPS BII-02
1 20061U 89 44  A 90237.99762658 -.00000033  00000-0  00000 0 0  1489
2 20061  54.8515  12.9713 0089191 176.5997 183.4680  2.00483177  8891
Nadezhda 1
1 20103U 89 50  A 90241.01447665  .00000130  00000-0  12773-3 0  1963
2 20103  82.9558 231.3007 0036845 193.7454 166.2702 13.73606818 57717
GPS BII-03
1 20185U 89 64  A 90229.90947546  .00000016  00000-0  99999-4 0  1380
2 20185  54.9326 195.8217 0023252 160.9399 199.1206  2.00623024  7308
Activnyi
1 20261U 89 80  A 90241.79603986  .00001460  00000-0  45603-3 0  6944
2 20261  82.5982 181.8300 1257672 171.9519 190.3969 12.43864066 41744
Activnyi RB
1 20262U 89 80  C 90241.47444082  .00000870  00000-0  26969-3 0  2786
2 20262  82.5979 182.1259 1261083 173.0295 188.8099 12.43258097 41706
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2 20281  82.5967 181.7549 1257083 171.8431 190.5503 12.44143980 41743
GPS BII-04
1 20302U 89 85  A 90233.78841113 -.00000027  00000-0  99999-4 0  1392
2 20302  54.5872 314.3891 0034316 318.7813  41.0133  2.00369101  6186
Meteor 3-3
1 20305U 89 86  A 90241.13668582  .00000042  00000-0  97944-4 0  2060
2 20305  82.5552 166.5538 0015788 142.0168 218.2082 13.15864107 40546
COBE
1 20322U 89 89  A 90242.10136173  .00002425  00000-0  15903-2 0  1605
2 20322  99.0223 251.6062 0008599 159.1058 201.0473 14.02772062 39851
Kvant-2
1 20335U 89 93  A 90241.68293957  .00040791  00000-0  46687-3 0  3581
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1 20361U 89 97  A 90221.97664954  .00000015  00000-0  99999-4 0   906
2 20361  54.9826 138.2198 0063606  49.6575 310.9235  2.00582513  4808
SPOT 2
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2 20436  98.7291 314.7874 0001330 134.1613 225.9562 14.20025478 31113
UO-14
1 20437U 90  5  B 90241.71324784  .00000735  00000-0  30786-3 0  2021
2 20437  98.6918 317.5947 0010966 303.8477  56.1659 14.28695501 31365
UO-15
1 20438U 90  5  C 90239.08893472  .00000337  00000-0  15074-3 0  1158
2 20438  98.6992 314.9507 0009756 311.1805  48.8550 14.28414913 30984
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2 20440  98.7011 316.1277 0011101 309.4899  50.5314 14.28844217 31138
WO-18
1 20441U 90  5  F 90240.48523022  .00000582  00000-0  24669-3 0  1072
2 20441  98.7005 316.5588 0011734 308.0448  51.9676 14.28937101 31195
LO-19
1 20442U 90  5  G 90240.47474793  .00000559  00000-0  23694-3 0  1095
2 20442  98.7018 316.5720 0012051 308.5742  51.4364 14.29006741 31190
GPS BII-06
1 20452U 90  8  A 90231.96552739  .00000002  00000-0  99999-4 0   858
2 20452  54.5203 253.3822 0028572  40.8909 319.3724  2.00872044  4126
MOS-1B
1 20478U 90 13  A 90241.69519415  .00000567  00000-0  44778-3 0  4042
2 20478  99.1837 311.5891 0000635 120.0490 240.0760 13.94849203 28381
DEBUT
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2 20479  99.0311 271.3370 0540241 250.3896 103.8153 12.83142902 25706
FO-20
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2 20480  99.0343 270.8937 0540177 251.6210 102.5464 12.83159072 25637
MOS-1B R/B
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2 20496  43.0953 292.0345 0013608  74.9000 285.3283 15.11368954 29274
RME
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2 20497  43.1078 262.8598 0015190  73.3499 286.9014 15.37532281 29455
Nadezhda 2
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2 20508  82.9573   6.6822 0045075 143.2401 217.1858 13.73227391 24917
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2 20510  82.5255  30.5228 0021070  40.9420 319.3408 14.73385170 26810
INTELSAT-6
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2 20523  28.3428 141.0459 0015199 245.4979 114.1810 15.02594864 25535
GPS BII-07
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PegSat
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HST
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2 20580  28.4704 141.2875 0006200 174.7241 185.3286 14.84853631 18920
Kristall
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2 20635  51.6133 319.6338 0025487 306.2120  53.6490 15.61303353259586
Meteor 2-19
1 20670U 90 57  A 90241.10600192  .00000086  00000-0  72173-4 0   473
2 20670  82.5421 230.7768 0017773  82.6304 277.6876 13.83845380  8600
1990 057B
1 20671U 90 57  B 90216.51423767  .00000047  00000-0  36479-4 0   120
2 20671  82.5422 250.2905 0015772 149.0383 211.1711 13.84159262  5206
GAMMA
1 20683U 90 58  A 90227.03052121  .00023438  00000-0  43646-3 0   701
2 20683  51.6182 277.2667 0014273 348.9406  11.1391 15.48624432  5383
BADR-1
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2 20685  28.5008  11.3284 0481143 244.2522 110.6907 15.11020340  6734
1990 059B
1 20686U 90 59  B 90231.78686580  .00572596 -77348-5  10865-2 0   620
2 20686  28.4839  75.4688 0448679 139.6398 224.0738 15.18993854  5243
Cosmos 2085
1 20693U 90 61  A 90226.63685602 -.00000107  00000-0  99999-5 0   339
2 20693   1.4274 271.7218 0003234  95.1287 264.9506  1.00276001   270
1990 061D
1 20696U 90 61  D 90222.64049571 -.00000101  00000-0  99999-4 0   106
2 20696   1.4601 271.9740 0029668  43.1699 316.7421  1.00175235   211
TDF-2
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DFS-2
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2 20706   0.0335 252.1798 0002742 219.8705 247.9492  1.00274132   242
Cosmos 2087
1 20707U 90 64  A 90238.68450776 -.00001131  00000-0  22656-2 0   520
2 20707  62.8982 161.4371 7348748 318.5340   4.6429  2.00511727   652
1990 064D
1 20710U 90 64  D 90232.72094622  .00000060  00000-0 -11653-2 0   241
2 20710  62.8835 162.2495 7317968 318.4952   4.6666  2.04542238   532
CRRES
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2 20712  18.2219  34.1279 7120563 223.9934 109.3785  2.43389872   794
1990 065B
1 20713U 90 65  B 90237.40369300  .00001756  00000-0  19820-2 0   272
2 20713  18.1214  35.5362 7129455 222.1394  52.8774  2.42527162   758
1990 063C
1 20717U 90 63  C 90238.92067607  .00001017  00000-0  28127-2 0   255
2 20717   4.0454  78.8108 7241763 203.8036  91.7740  2.25206851   739
1990 066A
1 20720U 90 66  A 90240.90215002  .00000020  00000-0  20932-3 0   392
2 20720  73.5987 275.5320 0026095 232.6737 127.1928 12.40568807  3709
1990 066B
1 20721U 90 66  B 90219.69233701 -.00000007  00000-0  00000 0 0   106
2 20721  73.6032 303.9414 0024590 265.3819  94.4427 12.41006618  1070
Soyuz TM-10
1 20722U 90 67  A 90241.68293957  .00040775  00000-0  46687-3 0   404
2 20722  51.6075 319.3020 0025321 306.8581  53.0111 15.61313381259594
GPS BII-08
1 20724U 90 68  A 90236.06798428  .00000016  00000-0  99999-4 0   102
2 20724  54.6999 193.5038 0094616 116.8645 244.0821  2.00550124   409
1990 068C
1 20726U 90 68  C 90239.94059642  .00275135  84459-6  19755-2 0   395
2 20726  37.6329 167.8915 6000471 223.3267  69.4319  4.15580541  1050
Cosmos 2089
1 20732U 90 69  A 90240.87575469  .01104632  40926-4  31942-3 0   720
2 20732  62.8307  98.1355 0078362  63.7977 297.1632 16.18980966  4040
Cosmos 2090
1 20735U 90 70  A 90238.11677718  .00000022  00000-0  99999-4 0   133
2 20735  82.5643  35.5553 0014872 338.5735  21.4733 12.64989925  2275
Cosmos 2091
1 20736U 90 70  B 90238.07673568  .00000004  00000-0  00000 0 0   161
2 20736  82.5764  35.6601 0000260 239.1420 120.9660 12.62224946  2264
Cosmos 2092
1 20737U 90 70  C 90238.06576638  .00000022  00000-0  99999-4 0   127
2 20737  82.5679  35.6301 0004022 330.1413  29.9449 12.62999931  2267
Cosmos 2093
1 20738U 90 70  D 90238.05478301  .00000023  00000-0  99999-4 0   126
2 20738  82.5720  35.6344 0008441 329.3706  30.6892 12.63777425  2260
Cosmos 2094
1 20739U 90 70  E 90238.12496035  .00000022  00000-0  99999-4 0   139
2 20739  82.5735  35.5770 0011491 341.0089  19.0573 12.64412776  2277
Cosmos 2095
1 20740U 90 70  F 90238.10559622  .00000023  00000-0  99999-4 0   110
2 20740  82.5708  35.5563 0018800 334.7492  25.2681 12.65780181  2275
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1 20741U 90 70  G 90235.22255088  .00000020  00000-0  99999-4 0    83
2 20741  82.5722  37.5907 0035662 171.0739 189.0989 12.55612850  1890
Molniya1-78
1 20742U 90 71  A 90240.46842659  .00000117  00000-0  28160-3 0   272
2 20742  62.8475 211.1521 7349428 288.0848   9.5195  2.00618924   367
1990 071B
1 20743U 90 71  B 90239.74478943  .01048454  12680-4  13662-2 0   361
2 20743  62.8114 150.5923 0188805 126.1528 235.4070 15.80716285  2635
1990 071C
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2 20744  62.8228 147.7211 0169858 118.7885 243.1713 15.95194299  2743
1990 071D
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2 20745  62.8294 211.3324 7389112 288.0541   9.3000  1.96539291   340
1990 038D
1 20746U 90 38  D 90240.27667807  .00370552  00000-0  11943-1 0   236
2 20746  73.9835 153.1801 0020398  40.1753 319.8588 15.30357400 19085
1990 038E
1 20747U 90 38  E 90240.90869969  .00401093  00000-0  11784-1 0   216
2 20747  74.0456 151.9049 0015261  58.7878 301.4402 15.33287425 19188
1990 038F
1 20748U 90 38  F 90240.30787724  .00604616  00000-0  12631-1 0   228
2 20748  74.0582 152.8255 0021493 150.1126 209.9333 15.42918177 19107
1990 038G
1 20749U 90 38  G 90240.91478890  .00580208  00000-0  13142-1 0   214
2 20749  73.9866 151.4387 0016400 129.9332 230.3828 15.40650765 19197
1990 038H
1 20750U 90 38  H 90240.80865256  .00585860  00000-0  14621-1 0   188
2 20750  74.0945 152.0714 0016549  97.3260 262.6249 15.37645733 19170
1990 038J
1 20751U 90 38  J 90240.29995373  .00494179  00000-0  13450-1 0   255
2 20751  73.9463 152.8264 0011341  87.0594 272.7898 15.35362618 19092
Progress M4
1 20752U 90 72  A 90241.61893348  .00040736  00000-0  46687-3 0   201
2 20752  51.6132 319.6302 0025040 305.2293  54.6327 15.61298273259585
RESURS-F8
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2 20754  82.3376 125.3825 0010476 280.3769  79.5743 16.03817362  2002
1990 043L
1 20759U 90 43  L 90239.29973759  .00017121  00000-0  27015-2 0   140
2 20759  89.6592 190.5869 0059954 301.2822  58.2532 14.71107133  5123
BSB-R2
1 20762U 90 74  A 90234.20765336 -.00000236  00000-0  99999-4 0    45
2 20762   0.3797 250.0321 0034954  94.8558   8.9412  1.00539250    34
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1 20763U 90 74  B 90231.14987130  .00005555  00000-0  79711-3 0   254
2 20763  24.7590 143.6795 0572397 116.6197 249.4094 14.00727792   153
1990 074C
1 20764U 90 74  C 90236.80142848  .00000040  00000-0  63439-3 0    32
2 20764  20.7317 152.6982 7294129 183.2542 165.8149  2.14067965   153
1990 075A
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2 20765  65.0219 233.2761 0010364 269.3441  90.7178 15.52018625   818
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1990 076B
1 20768U 90 76  B 90240.69926761  .00791506  90922-5  16629-2 0    66
2 20768  62.7719  42.4443 0281386 119.8069 243.1364 15.55114962    79
1990 077B
1 20772U 90 77  B 90240.80679567  .03165834 -19246-4  23376-2 0    30
2 20772  30.6599 143.5005 0211011 179.5691 180.2308 15.82074721    81
1990 078A
1 20774U 90 78  A 90240.79700842  .00003928  00000-0  39000-3 0    17
2 20774  82.9669 240.8286 1044672 130.1271 239.5709 13.19583995    21
1990 078B
1 20775U 90 78  B 90240.72119677  .00004104  00000-0  39000-3 0    18
2 20775  82.9701 240.8919 1041566 129.9337 240.1111 13.21359754    11
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tkelso@blackbird.afit.af.mil          Air Force Institute of Technology
```

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Newsgroups: rec.ham-radio
Subject: Crossed-Field Antenna Correspondence/Experimentation
Message-ID: <9008312025.AA02669@ucsd.edu>
Date: 31 Aug 90 21:26:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 78
Posted: Fri Aug 31 22:26:00 1990
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A few months back there was some discussion of Mr. Maurice Hately's (GM3HAT) Crossed-Field Antenna ("CFA") designs, as was originally described in the March 1989 `Wireless World' ("WW") Magazine. Since that time I haven't seen/heard anyone saying anymore about the antenna.

About a month ago I wrote a letter to Mr. Hately (in Scotland) and, received a nice reply from him last week.

In his response to me Mr. Hately enclosed a two page brochure, covering his CFA offering to the amateur community. In addition, he sent me a color (should I say "colour"?) photograph of an experimental medium-wave (I think 360 Meters wavelength) CFA that's being tested by Radio Cairo. Mr. Hately wrote (on the back of the photograph) that the CFA was providing a better received signal (no details given on what kind of test instrumentation) than a 75 foot vertical had given (admitedly, if my recollection of the 360 Meters wavelength is correct, then a 75 foot vertical is quite short).

I suspect that a lot of hams/engineers had the same first-reaction to the CFA that I did; "it's too good to be true". It was last year that we all got our hopes up when the `cold fusion' announcement was made, and there's been a lot of disillusionment over that. So, I think that there's a tendency to dismiss the CFA, partially as an attempt to prevent another hope from being dashed on the rocks of reality.

When I'd written Mr. Hately, I had mentally prepared myself to spend up to a few hundred dollars, to provide for the expenses of getting a CFA in-hand to test (OK, play with). I got a bit of a shock when my eyes made it to the `bottom-line' in the CFA brochure. Unless my math's really off-base, it'd cost a Stateside ham around $800 (U.S.) to purchase the amateur version of GM3HAT's antenna. I fear that price is a bit too steep for me to seriously consider directly buying a CFA from Mr. Hately at this time.

I'd like to find out if anybody else has looked into the CFA's operation, more specifically concerning the matching/phasing requirements of the `splitter' that feeds the `capacitor plates' (generating the E-field component), and the `top hat/ground plane' (generating the H-field component)?

It's my guess that a large portion (after excluding shipping costs, which are not trivial) of the price of the amateur CFA goes to the tuning-up of the antenna matching/phasing `box'. From Mr. Hately's brochure, it appears that the `match-box' consists of a SEALED (my emphasis) box, with one coax input (going to/from the radio), two coax outputs (one to the `capacitor', and one to the `tophat/ground-plane') and, the front of the box is COVERED (my emphasis) with what appear to be toggle switches. I suspect that the CFA may take a fair amount of initial set-up time, to find the right matchbox settings, to provide the correct amplitudes/phases of signal driving the two portions of the CFA.

Does anybody `out-there' have any experience with CFA's?
Has anyone else looked into the CFA operation, and if so,
what conclusions have you come to?

If it were feasable, I'd like to build a CFA and write an article on it (perhaps for a publication like `QEX'?). I'm not aware of anything having been written-up on the CFA in the amateur literature. I haven't researched the professional publications (IEEE) but, I plan to go through my company's technical library, to see if there has been any further published information on the Crossed-Field Antenna theory/design (I doubt that I'd be able to follow the theory ... Mr. Hately obviously has a very comfortable relationship with Poynting Vectors and such ... I VERY DIMLY remember such things from an electromagnetics course years ago).

Feel free to respond directly to my InterNet address, or if you think
that your comments might be interest to the rest of the INFO-HAMS
group, go ahead and post your comments to UCSD (please copy me directly
if you do so; sometimes I get `dumped' off INFO-HAMS by Brian's computer,
and it takes me a few days to realize that things are too quiet!).

Thanks to one-and-all.

Paul Nix (WB5AGF)   InterNet: nix%muppet.decnet@consrt.rok.com

---

From 2637513354432493871
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9369f53169b7033f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-01 04:53:47 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!emory!
mephisto!mcnc!decvax.dec.com!zinn!ubbs-nh!wa1omm!paul
From: paul@wa1omm.UUCP (Paul MacDonald)
Newsgroups: rec.ham-radio
Subject: Uniden HR-2600 Mods
Message-ID: <paul.4514@wa1omm.UUCP>
Date: 1 Sep 90 11:53:47 GMT
Lines: 15
Posted: Sat Sep 1 12:53:47 1990

Does anyone have the expanded receive coverage mod for the Uniden
HR-2600? Or, the HT-2510? Thanks!

73, Paul
--

```
                          /\  /\
                         //\\//\\
            +---------------------------------------------+
            | From the shack of WA1OMM -- Paul MacDonald |
            | Using the power of the multitasking Amiga! |
            |                                             |
            | Compuserve: 70411,626   PLink:  UPPERCRUST |
            | Amateur Packet Radio:   WA1OMM@KB4N.NH.USA |
            +---------------------------------------------+
```

From -117457563896403127
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f785a5ed6ba1a115,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-01 06:25:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!
ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio

Subject: NASA Prediction Bulletin Format
Message-ID: <9008311704.AA09586@blackbird.afit.af.mil>
Date: 31 Aug 90 17:04:48 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 69
Posted: Fri Aug 31 18:04:48 1990

As a service to the satellite user community, the following description of the NASA Prediction Bulletin's two-line orbital element set format is uploaded to sci.space on a monthly basis. The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

==

Data for each satellite consists of three lines in the following format:

```
AAAAAAAAAAA
1 NNNNNU NNNNNAAA NNNNN.NNNNNNNN +.NNNNNNNN +NNNNN-N +NNNNN-N N NNNNN
2 NNNNN NNN.NNNN NNN.NNNN NNNNNNN NNN.NNNN NNN.NNNN NN.NNNNNNNNNNNNNN
```

Line 1 is a eleven-character name.

Lines 2 and 3 are the standard Two-Line Orbital Element Set Format identical to that used by NASA and NORAD. The format description is:

Line 2

Column	Description
01-01	Line Number of Element Data
03-07	Satellite Number
10-11	International Designator (Last two digits of launch year)
12-14	International Designator (Launch number of the year)
15-17	International Designator (Piece of launch)
19-20	Epoch Year (Last two digits of year)
21-32	Epoch (Julian Day and fractional portion of the day)
34-43	First Time Derivative of the Mean Motion or Ballistic Coefficient (Depending on ephemeris type)
45-52	Second Time Derivative of Mean Motion (decimal point assumed; blank if N/A)
54-61	BSTAR drag term if GP4 general perturbation theory was used. Otherwise, radiation pressure coefficient. (Decimal point assumed)
63-63	Ephemeris type
65-68	Element number
69-69	Check Sum (Modulo 10) (Letters, blanks, periods = 0; minus sign = 1; plus sign = 2)

Line 3

Column	Description
01-01	Line Number of Element Data

03-07	Satellite Number
09-16	Inclination [Degrees]
18-25	Right Ascension of the Ascending Node [Degrees]
27-33	Eccentricity (decimal point assumed)
35-42	Argument of Perigee [Degrees]
44-51	Mean Anomaly [Degrees]
53-63	Mean Motion [Revs per day]
64-68	Revolution number at epoch [Revs]
69-69	Check Sum (Modulo 10)

All other columns are blank or fixed.

Example:

```
NOAA 6
1 11416U          86 50.28438588 0.00000140           67960-4 0  5293
2 11416  98.5105  69.3305 0012788  63.2828 296.9658 14.24899292346978
```

Note that the International Designator fields are usually blank, as issued in the NASA Prediction Bulletins.

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

From -5128436483235332629
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d5556fdaed8c9200
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-01 08:11:43 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!udel!haven!decuac!shlump.nac.dec.com!shodha.enet.dec.com!cxunix.enet.dec.com!beaty
From: beaty@cxunix.enet.dec.com (Mike Beaty, Servowriter Engineering)
Newsgroups: rec.ham-radio
Subject: Re: Bendix King
Message-ID: <37@cxunix.enet.dec.com>
Date: 31 Aug 90 20:34:11 GMT
References: <4182@crash.cts.com>
Reply-To: beaty@cxunix.enet.dec.com (Mike Beaty, Servowriter Engineering)
Organization: Digital Equipment Corporation, Colorado Springs
Lines: 65
Posted: Fri Aug 31 21:34:11 1990

I tried mailing this directly, but got a mail error:

```
# Trouble sending mail on `crash',  Fri Aug 31 12:41:33 1990
#
# ============ Transcript follows ============
#   GUHSD000
# 0 alias errors
# No local user named "GUHSD000"
```

Perhaps it's a case problem, although I sent it in lower case. So, the rest of you can skip this if you choose....

In article <4182@crash.cts.com> guhsd000@crash.cts.com (Paula Ferris) writes:

> It's a govt bander, but in theory, it'll work in 2m as well, and I
> know it will operate at least as high as 170Mhz, and low as 155Mhz,
> and will store (but not always accept/operate with) values as low as
> 101Mhz.

I have the programming book from Bendix King for the VHF and UHF walkies and mobiles.

I believe that some of their radios can operate from 138 to 174 MHz, continuously. However, not all of their radios can use the entire range: some cut out just around 163 MHz, some won't go below 148 MHz, etc. Basically, you need the model number or just have to try it. I'm not aware of any hardware modifications which might expand the coverage, if any. If anyone knows of any, I'd be interested in hearing of them. Of course, I need to retain FCC type acceptance, so these probably aren't likely.

> What I need is a information on "secondary programming mode" and I
> need to know the meanings of options 1 - 12345 and 2 - 12345, as well
> as involk dtmf mode (Little Phone Reciver on display).

I'll bring in the information on Tuesday and send it to you (if you'd like to send me a good address), if you haven't found it by then. Although it is probably equipped with the keypad on the front, it does not necessarily have DTMF capability. King could learn something from the Amateur arena here. If it does have the hardware board, it can be enabled in the secondary programming mode.

> Why: A friend of mine is a Chief in a Vol. Fire Department in Minn.,
> and they got 4 of these with chargers, and no paper from another city
> in the midwest. They have no cellular service, but do have 2m
> repeaters/ phone patches, and has to carry this radio whenever he's on
> standby, the radios have 14 channels, but his area only uses 8 for
> everything, including fire, law enforcement, etc... He's a ham, but
> doesn't own a HT of his own. So right now, the only extra feature
> he's added is NOAA weather (with scan bypassing, for good reason).

Geez, if he wants to sell one of these, I'm in the market. Okay, since I'm posting this instead of mailing it, if anyone wants to sell one, please send me mail. Although I'm in an area which uses more than the 14 channels, I like the Kings. They're more easily field programmable than some, which is a bonus on some of our multi-agency calls. Yes, it requires something external to the radio, so it meets the applicable FCC requirements....

Mike
--
```
Mike Beaty    Communications Officer  Lieutenant/Firefighter
     EMT-B
Wescott FPD   15000 Sun Hills Drive   Colorado Springs, CO
     80921
```

From 6908614699598284809
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,988349ca4c4e0a85
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-09-01 09:40:33 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!mikemr
From: mikemr@microsoft.UUCP (Michael MRAZ)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Summary: LORAN C
Message-ID: <57105@microsoft.UUCP>
Date: 31 Aug 90 17:04:44 GMT
References: <9008282152.AA18317@tilde>
Organization: Microsoft Corp., Redmond WA
Lines: 14
Posted: Fri Aug 31 18:04:44 1990

If you ever get the chance to visit a LORAN C transmitter,
by all means do it. I saw one on the northwest coast of the island
of Hawaii last December. The finals ran about 15kV at 30A (450kW)
to a large (300meter high) loaded vertical. There was enough stray
RF in the transmitter room that the technician could make a nice
fireworks display by running a screwdriver over the gap between the
19" rack panels and the rack (yes, they were connected together, but
the 6" gap between screws was enough to make nice sparks). I could
hear the transmitter on the car radio for miles! Great stuff!

```
===================================================================
| Mike  N6MZ         "Real radios glow in the dark..."            |
===================================================================
```

From 4358360569484767829
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11c3f1522a1e9094
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 03:48:29 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!unmvax!bbx!yenta!dt
From: dt@yenta.alb.nm.us (David B. Thomas)
Newsgroups: rec.ham-radio
Subject: modifying icoms (was Re: IC-24 Expanded Transmit Range)
Message-ID: <1759@yenta.alb.nm.us>
Date: 29 Aug 90 04:11:25 GMT
References: <4247@qip.UUCP>

Organization: yenta unix pc, Rio Rancho, NM
Lines: 57
Posted: Wed Aug 29 05:11:25 1990

So far, every icom rig I've tried this on (02at,04at,micro2at,2gat,28a,28h,228h) is easily modified to transmit over its entire receive range. I could post what I've found out so far, if I could find it, but it's relatively easy to hack out your own mods.

Yer usual DISCLAIMER:
This posting is just general hints ... not step by step instructions.
This requires specialized tools and knowledge...and patience and care!
Try only if you have a teeny pencil type soldering iron, experience with surface mount boards and components, and feel you won't mess up your radio.

Still here? Ok...

If you examine the schematic, you'll see that connected to the processor is a diode matrix. Note the positions of all the diodes. You'll need to figure out what traces on the board correspond to what lines on the schematic.

Now carefully remove all the diodes (these are usually surface mount, sometimes each chip has three terminals, and may have one, the other, or both diodes present), and attach fine wires to each row and column of the matrix (following those traces is the hardest part!).

Now make your own diode matrix of the same size, on a separate board, but put dip switches in series with all the diodes. Any old 1N914 or equiv will do nicely. Be sure to use very fine wires to solder onto the icom board, watch out for static damage, observe polarity, etc.

If all goes well, you now have a switchable diode matrix. The matrix is read each time the CPU is reset. So reset it (check the manual for the radio in question) after dialing in the original matrix positions. If all goes well, the radio should behave normally. NOW -- flip one switch, and try it again. Pretty soon you'll know exactly what change each switch makes. One will let you xmit out of band. One will change the standard channel step spacing. One will change the coverage (for european models, shown in the schematic as an alternate), etc.etc.

Once you have hacked out the proper settings, just solder in diodes to permanently program the radio that way, and put it back together.

Hmmm now it doesn't sound that easy when I describe it, but I've done it countless times, with the owner of the radio hovering, and so far it's always worked. Note also that the matrix board you make is reusable...new icom? just break out the ol' switchable matrix board!

One notable exception...to get the 28a/h to xmit out of band, you just cut D21...no matrix programming change required. It's a different design, and it's easy to see what's happening in the schematic. Oh...and there are two D21's in the 28a/h...get the right one...the wrong one is in the backup battery circuit and clearly has nothing to do with the transmitter portion.

The icom 735 is also a one wire mod.

If you are considering this with any of the radios I mentioned above,
email me for the mod to save yourself some time...but I'll bet you when
someone sets a new one on my bench, the same old faithful trick will
work again!

David

From 1726395177716863375
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bd4cc2cc2d7f756
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 04:39:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!unmvax!bbx!yenta!dt
From: dt@yenta.alb.nm.us (David B. Thomas)
Newsgroups: rec.ham-radio
Subject: Re: transmitting without a license?
Message-ID: <1760@yenta.alb.nm.us>
Date: 29 Aug 90 06:05:28 GMT
References: <22480015@hpcuha.HP.COM> <7764@helios.TAMU.EDU>
<28708@nigel.ee.udel.edu> <1990Aug29.020029.16814@Neon.Stanford.EDU>
Organization: yenta unix pc, Rio Rancho, NM
Lines: 10
Posted: Wed Aug 29 07:05:28 1990

kaufman@Neon.Stanford.EDU (Marc T. Kaufman) writes:

>In article <28708@nigel.ee.udel.edu> masters@freezer.it.udel.edu (paul masters)
writes:
>>No it is not. Rules say you must transmit in plane english,...

>Another reason to take up flying.

I thought it simply meant that you must state everything flatly.

David

From -5858200744250967481
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,89f281a4ab4fe5a1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 06:59:15 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!zaphod.mps.ohio-state.edu!
sdd.hp.com!decwrl!ucbvax!PICA.ARMY.MIL!cfishman
From: cfishman@PICA.ARMY.MIL (Clark Fishman, FSAC-FCD)
Newsgroups: rec.ham-radio
Subject: RF IN POWER SUPPLY
Message-ID: <9008290913.aa05459@FSAC1.PICA.ARMY.MIL>
Date: 29 Aug 90 13:13:38 GMT

Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Wed Aug 29 14:13:38 1990

To Gary and his Astron power supply.

Yes Gary it is very possible that your supply shut down because rf was getting into it. The power supply on my Drake TR-7 does the same thing when my antenna is not tuned correctly and rf is in the shack. The capacitors you talked about and I'm not sure from your posting if they were installed in your supply or not are probably bypass caps to reduce the susceptability of your supply from rf.

It is possible that the power supply leads are acting as antennas and picking up rf in the shack. Try to put a sleeve of ferrite over both leads. This will reduce the common mode noise that is the rf common to the plus and minus leads of the supply. If you need more info try to call me. I tried to e-mail direct to you with no luck.

CLARK FISHMAN WA2UNN   PHONE: DAY 201 724 6041

From -4178359020718897271
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bd4cc2cc2d7f756
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 07:06:14 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: transmitting without a license?
Message-ID: <7795@helios.TAMU.EDU>
Date: 29 Aug 90 13:06:12 GMT
References: <7764@helios.TAMU.EDU> <28708@nigel.ee.udel.edu> <1990Aug29.020029.16814@Neon.Stanford.EDU>
Sender: usenet@helios.TAMU.EDU
Organization: Computer Science Department, Texas A&M University
Lines: 14
Posted: Wed Aug 29 14:06:12 1990

In article <28708@nigel.ee.udel.edu> masters@freezer.it.udel.edu (paul masters) writes:
>No it is not. Rules say you must transmit in plane english,...

Are these the same rules that require you to identify with your FCC assigned callsign even though they stopped assigning callsigns years ago.
I realize there is a supposed formula for fabricating callsigns now, but that kind of defeats the purpose of having FCC assigned callsigns anyway.
And when was the last time you heard of anyone being cited for failure to identify.
The CB regulations are like any other un-enforced law. When you let people

ignore one law, it weakens all the others too.

bill   KB3YV

From -7236148838271513937
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b81781d73bef875
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 07:36:11 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V90 #201
Summary: plates
Message-ID: <91@thoreau.nsc.com>
Date: 29 Aug 90 12:12:06 GMT
References: <9008281809.AA08297@KRONOS.NISD.CAM.UNISYS.COM>
<1990Aug28.173107@curly.Viewlogic.COM>
Organization: National Semiconductor, S. Portland, Maine
Lines: 16
Posted: Wed Aug 29 13:12:06 1990

Here in Maine it is also same as vanity plates, $20 per year.

Incidently, when I was in CA (75-77) they would not issue plates
with out of state calls. I was WA2JAM at the time. I guess the rule
was if the first character was a K or a W and the 2nd or 3rd character
was other than a 6 they would not issue. I got around it by using
my bicentennial call AA2JAM and taking them as vanity plates. Is this
one still in force? If so then there's a spot for you CA hams to
ticlke your state government on. Are there any states which will
not issue for "out of state" calls?

I had no trouble in either Utah or Maine, just submit a copy of
my station licence.

Ron K3FR

From 2621099659568018340
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2699ebdb5c41c918
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 08:54:53 PST
Path: gmdzi!unido!mcsun!uunet!lupine!hansen!phil
From: phil@hansen.Berkeley.EDU (Phil Graham)
Newsgroups: rec.ham-radio
Subject: Re: Tower climbing safety
Message-ID: <1384@lupine.NCD.COM>
Date: 29 Aug 90 15:54:53 GMT
References: <215@bongo.UUCP> <54534@iuvax.cs.indiana.edu>

<1990Aug23.082630@ultnix.enet.dec.com> <1990Aug26.103157.23039@rbdc>
Sender: news@NCD.COM
Reply-To: phil@hansen.Berkeley.EDU (Phil Graham)
Lines: 24
Posted: Wed Aug 29 16:54:53 1990

In article <1990Aug26.103157.23039@rbdc>, andy@rbdc (Andy Pitts) writes:
|> taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber) writes:
|>
|> >In article <215@bongo.UUCP>, julian@bongo.UUCP (Julian Macassey) writes:
|> > |>
|> >|>   You may feel dorky wearing a hard hat, but when a large wrench
|> >|> (spanner) has just whistled passed your ear, they seem like an
|> >|> excellent idea.
|> >|>
|> I just can't resist this.
|>
|> When I was working at the mountain transmitter site of a local TV
|> station. We were required to wear hard hats when entering or leaving
|> the building during the winter. This was to "protect" us from the 200
|> pound chunks of ice that fell off the top of the 600 foot tower and
|> made all the 3 foot deep holes all over the ground.
|> --

What good is a hard hat when your body gets crushed by a 200 pound chunk
ice?   Is this an easy way to turn a hard hat into a pizza pan?

Phil
KJ6NN

From -1678849263118721511
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,be56813147a93649
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 10:21:32 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cica!iuvax!news!cartan!ndmath!nstar!w8grt!Jim.Grubs,.W8GRT
From: Jim.Grubs,.W8GRT@w8grt.fidonet.org (Jim Grubs, W8GRT)
Newsgroups: rec.ham-radio
Subject: Re: Weird sigs on 12.280MHz
Message-ID: <107.26DB1C69@w8grt.fidonet.org>
Date: 29 Aug 90 02:42:02 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 33
Posted: Wed Aug 29 03:42:02 1990

 > From: wats@scicom.AlphaCDC.COM (Bruce Watson)
 > Date: 27 Aug 90 19:55:38 GMT
 > Organization: Alpha Science Computer Networks, Denver, Co.
 > Message-ID: <6070@scicom.AlphaCDC.COM>

> Newsgroups: rec.ham-radio,rec.radio.shortwave
>
> In article <3708@radio.oakhill.UUCP-, charlie@oakhill.UUCP (Charlie
> Thompson) writes:
> - While working on an HF receiver last night I stumbled across
> - this LOUD station on 12.280 MHz. It was about 10KHz wide
> - and broadcasting a strange buzzing sound. (No it was not one
> - of those RTTY stations that sounds like an air squadron). The
> - buzz rate had two speeds and the station would switch from one
> - to the other in about 5 second intervals, then go silent (no carrier)
> - for about 10 seconds. I heard this at about 10:00 c.d.t on 8/21/90.
> - Sounded like a phazer toy...
> -
>
> I've heard this a number of times at various frequencies. It really
> sounds like the voice of doom. They have several tones and sequences.
> Could it be an 'over-the-horizon' radar?

A slightly faster than 'slow' SSTV????

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - via FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!Jim.Grubs,.W8GRT
  |     _) INTERNET: Jim.Grubs,.W8GRT@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\         of the Mind and ride the NOS!"
```

From 5162661867551353676
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b3e28e05ff1f4ea,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 10:54:06 PST
Path: gmdzi!unido!mcsun!uunet!samsung!xylogics!bu.edu!purdue!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: LORAN and ham radio [long]
Message-ID: <55684@iuvax.cs.indiana.edu>
Date: 29 Aug 90 15:59:41 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 223
Posted: Wed Aug 29 16:59:41 1990

>Can you point me to any literature on LORAN? I'd like to learn more
>about it...
>--
>Ken

LORAN-C User Handbook U.S. Coast Guard, May 1980. COMDTINST
M16562.3 Available from Supt. of Documents, U.S. Gov't Printing

Office, Washington DC 20402. $7.50 (in 1983).

Covers the basics of LORAN-C and has maps and parameters for all the transmitter chains active at that time.

The Aviator's Guide to LORAN-C by John F. Good, Aksunai Press,
Box 326, Wakefield MA 01880 (First ed. 1984. No ISBN. $12.00)

I bought my copy from Sporty's Pilot Shop but they now say it's out of print.

This is the best LORAN-C book I've seen, with excellent descriptions for technical and non-tech readers. Tells how to install receivers in planes and cars.

Chapter 10 is a fascinating history of hyperbolic position-finding. LORAN-A, the bane of the 160m ham band, was phased out (so to speak) in the early '70s. LORAN-B was LORAN-A variation which was never deployed. LORAN-D is a low-powered military tactical system which is compatible with LORAN-C.

The Wild Goose Association is a LORAN equipment manufacturers' group which is of little direct benefit to individual users.

LORAN-C is on 100.0000*** kHz; it's controlled by atomic clocks and can be used for a frequency standard. On audio, it's a rhythmic clattering sound like a motor with bad bearings. The pulse sidebands extend more than 10 kHz either side of 100 kHz.

LORAN (acronym for LOng RAnge Navigation) is lots of fun, and becoming more affordable. K-Mart now sells LORAN receivers for $329 (but you can get the same model by mail order for about $300; see boating magazines). Most receivers come with books which explain the principles.

LORAN has direct ham-radio applications: It's useful for determining antenna and repeater performance, since it constantly tells you the bearing and distance to any fixed location ("waypoint"). It indicates latitude and longitude, for ham activities where grid squares are important. Add an altimeter, and you have a 3-D fix.

The satellite-based GPS navigation system is superior to LORAN but there are not yet enough satellites in orbit to give 24-hour coverage, and receivers cost at least $3000 (predicted to reach $500 in a few years.

When buying a LORAN receiver, be SURE it contains the necessary firmware for using the new transmitters which are supposed to go into service this year. (Don't take the salesman's word for it.) Otherwise, it will need a ROM upgrade (maybe not available for used units no longer in production). See _Aviation Week_ magazine, Sept. 28, 1987, p.120 for info about the new stations, which will extend LORAN-C coverage in mid-USA and southern Canada.

>This receiver requires 3 signals to get a fix; is there
>any way I can do it with just two?

Two stations (master and one secondary) establish a hyperbolic line of position, i.e., you are somewhere along a curve some number of microseconds from the master station. To find where, i.e., a fix, you must have two lines of position and find where they cross. If you already know that you are along some known line, like an interstate highway, then you can plot a fix with only one set of raw LORAN numbers (microseconds), but is usually isn't worth the trouble. Before microprocessors were available, LORAN receivers indicated only microseconds, and you needed a special chart to plot position. When I use LORAN in my car, I sometimes use (for example, when travelling east/west) only the longitude readout for finding my position along a road. To calculate Lat or Lon, however, the receiver must receive three stations. Some super-expensive LORAN receivers for aircraft track more than three stations simultaneously.

TRAVELS WITH LORAN-C

by Frank Reid W9MKV

[published in _The Lowdown_ (newsletter of the Longwave Club of America), June 1985.] [Abridged in this posting.]

For two years, I've experimented with Loran-C for land navigation, including a perhaps unusual application, that of locating and recovering cave entrances and other karst features in dense woods in Indiana and Kentucky. The high resolution and repeatable accuracy have been adequate for finding very small holes in areas where visibility is 100 feet or less.

The Micrologic ML-5000 Loran receiver is highly portable and requires only 0.6 amp with its lights off. Within Loran's basic limitations, the device has been altogether satisfactory for automobile use, which must be a worst-case application. I've measured locations of 200-mile-distant road intersections on aeronautical sectional charts, and consistently had the waypoint-arrival alarm sound when within sight of the destination (arrival alarm radius set to 300 feet). I anticipated using my receiver for air navigation to supplement the ratty avionics in rental planes but the unit's size and shape make it unsuitable for temporary mounting in small aircraft. The ML-5000's ability to store alphanumeric waypoint names is a tremendous advantage, eliminating the need to refer to a separate list.

Another Loran I've used, a II Morrow "Apollo" installed in a friend's airplane, has been disappointing, at least in my region. It does not select stations automatically, and requires special settings when in areas between transmitter baseline extensions. The baselines and extensions radiating from the nearby Loran transmitter at Dana, Indiana, make the II Morrow unit very cumbersome to operate when travelling in most directions. To alleviate the problem, my friend uses the Southeast Chain (which does not include Dana) instead of the normally-more-suitable Great Lakes Chain. The decrease in repeatable accuracy (300 feet instead of 100) is not objectionable for VFR flying but, as Indiana is a fringe area of the Southeast Chain, weak signals sometimes cause the unit to reinitialize in flight, an unpleasant experience. (Loran-C receivers require 2-5 minutes to acquire and track signals, and can do so in motion.)

Power lines are the major source of interference on land. Briefly driving under one causes no problem because the computer's position-determining process averages a large number of pulses. Driving parallel to a large power line for a mile or so can cause the receiver to lose track. It often becomes unusable in metropolitan areas. With the vehicle not moving, I have noticed large position errors (more than one mile) near power lines even when the receiver displayed no alarms. Power-line noise may have caused the receiver to cycle-slip (detect the wrong cycle of the Loran pulse).

While driving around Indiana on the first weekend of experimenting with my new receiver, it unexplainably lost track three times. I was then about 20 miles from the transmitting station at Dana, and decided to make a visit. Not wanting to risk preamp damage from strong signal, I disconnected the antenna 3 miles away. When I arrived, the Coast Guardsmen who man the station were too busy to give me a tour because the place had been hit by lightning and had been off the air three times in the last hour. They were using diesel-powered generators for continued operation at reduced output. The station is big! The antenna is about 600 feet tall, with a capacity hat of many long radial wires from the top. The Dana transmitter has 400-kilowatt output. Some Loran-C transmitters radiate up to 1.2 million watts.

I travelled through the "mid-continent gap" enroute to Wyoming in summer, 1984. Driving westward through Iowa and southern South Dakota, the repeatable-accuracy readout slowly increased to over 400 feet, and signal-to-noise ratios decreased but stayed within the usable range. (Decreased accuracy isn't a serious problem Out West where driving visibility is better than flying visibility back home! Sectional charts are a lot more informative than roadmaps.) Manufacturers recommend recalibration every 200 nautical miles, or after changing transmitters. Using an aeronautical sectional chart, I recalibrated at a road intersection in SD, my first recalibration since Indiana, and was two minutes off in longitude but perfect in latitude. There were no problems until I reached the Black Hills region. East of the Black Hills, the Loran remained on the Great Lakes chain, changing to the West Coast chain a few miles west, but within the Black Hills geological formation, signals from both chains were unusably weak. In Wyoming, it "derailed" for about 5 minutes as I drove under a thunderstorm. The unit functioned perfectly during the return trip on I-90, passing just north of the Black Hills. It automatically switched back to the Great Lakes chain near Rapid City, SD.

Parts of the mid-continent gap are marginal, others are truly unusable. Unsuitable station geometry causes poor coverage in most of Texas, New Mexico and Arizona. On a trip from Indiana to Texas, my receiver switched from Great Lakes to Southeast chain in Arkansas, and became unusable south of Dallas, near a baseline extension with no alternative stations available. I tried manually returning to the Great Lakes chain, but the signal from Minnesota was too weak. It seemed to work properly near Austin, and became unusable again just north of San Antonio. Southeast Chain signal-to-noise ratios were good in Texas.

A fixed Loran receiver can be used for DX'ing; simply set the GRI of a distant chain, wait for the receiver to acquire signals (which can take an hour or more), and note the signal-quality indicators. R.W. Burhans' Loran DX'ing method (_Lowdown_, January 1985) is superior, allowing visual signal comparison, and reception without master-station acquisition. Household power lines interfere, and best results are obtained with battery power and a long wire antenna in an isolated location.

As a caver, I just _had_ to see if Loran works underground! Through affiliation with the Cave Research Foundation, I was able to take the pack-frame-mounted unit (with 3-foot whip antenna) through a large passage in Mammoth Cave, Kentucky, stopping at USGS benchmarks to check position. The average depth was 200 feet. Signal strengths varied enormously-- At many locations, signals from Dana (173 nautical miles away) remained almost as strong as on the surface but signals from New York and Florida were unusably weak, so fixes could not be computed. 100 feet of extra antenna did not improve signals significantly, nor was cycle-stepping successful. At a place where water enters the cave through a vertical joint, all signals were strong; the computed fix was 1/2 mile east of the real location. Part of the underground route contained power lines for lighting, which are in metal conduit and buried. Their presence or absence had no noticeable effect on Loran signals. The lights were not turned on. I have taken the Loran receiver into two Indiana caves, with similar results.

Although Loran navigation seems not to work underground, there are interesting effects worthy of study; a simplified 100-kHz receiver could be used in caves to search for vertical joints, thin overburden or other anomalies.

Changes in ground conductivity cause local propagation anomalies, manifest as Loran position errors, near geological features such as sinkholes and escarpments, and probably faults and mineral deposits. Loran in conjunction with optical survey may be usable as a prospecting aid analogous to the ground-resistivity-mapping process but without the cumbersome wires and ground rods. (There are a number of geophysical techniques which use signals from U.S. Navy high-powered VLF stations. A useful reference is _Applied Geophysics_ by W. Telford, L. Geldart, R. Sheriff and D. Keys, Cambridge University Press, 1976.)

--

Frank   W9MKV   NSS 9086   reid@ucs.indiana.edu

From 1197941506622771121
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a6d8e29b611ec1e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 10:58:18 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!rpi!bu.edu!mirror!necntc!necis!rbono
From: rbono@necis.UUCP (NM1D)
Newsgroups: rec.ham-radio
Subject: *** CHALLENGE *** (was Bad attitude(s) of Hams (long)
Message-ID: <1387@necis.UUCP>
Date: 29 Aug 90 17:58:18 GMT
References: <9008251524.AA05193@dt.Wellfleet.Com>
Organization: NEC Technologies, Inc., Boxborough, MA
Lines: 119
Posted: Wed Aug 29 18:58:18 1990

This is a continuation of the original Challenge which went somthing like:

In article <1382@necis.UUCP> rbono@necis.UUCP (NM1D) writes:
> *** I HERBY CHALLENGE THIS SILENT MAJORITY TO THE FOLLOWING ***
>
> Better than that, post
>them here so that everyone else who has the same bad taste about the
>vocal minority here on this newsgroup can see that not all Amateurs have a
>bad attitude.

Before I begin, I couldn't let this one slip by. Doug, you had me blushing
as I read your artical... and you know that is not easy to do, I humbly thank
you for your kind words, but there is one thing that I must address:

In article <9008251524.AA05193@dt.Wellfleet.Com>, dtheriau@wellfleet.com (Doug
Theriault) writes:

[deleted some]
>
> I grew up with Rich (went to the same high school) and had a great time
> together with HAM radio (remember the foxhunt with the 2mtr Quad and the
[deleted some more]
> Rich experimented with all sorts of modes. Why am I saying this?? I consider
> Rich MY Elmer... He gave me alot of support and help. He hated it when
  ^^^^^^^^^^^^^^
       This has me perplexed.... I often consider Doug to be MY elmer!?!?!?
He was licensed well before me, and I have fond memories of trying to squeeze
into the Ham shack (is was in a small closet) in high school while Doug was
operating CW on the Novice bands... and I was always asking:
 Who is that???
 Where are they???

What are they saying??
and other such anoying questions!!! Thanks for the fine memories Doug, they are still with me, and I still think of them as fond memories!!

Well, I have to say a personal thanks to Doug, he has to be considered one of the persons most responsible for me getting my 'ham ticket' and getting on the air... THANKS DOUG!

Ok, on to the CHALLENGE (I thought that I should be allowed to contribute also!)....

Don't ever listen to anyone when they try to tell you about all the fancy equipment that you need for various Amateur Radio activities. Ever since I was first licensed (not that long ago :-)), I have had a sort of romantic desire to be an active OSCAR (Ham Satelites) operator. There is just something about communicating through an orbiting satelite that is in OUTER SPACE via Ham radio that has attracted me. Maybe it is all those 'Lost-In-Space' and other 'Sci-Fi' TV shows that I watched as a child, or watching the Apollo missions from the living room.

Well, I spent a considerable amount of time reading, and studying about the nessesary equipment to 'work' the 'birds'. I thought that I would never get on the air! The 'books' told you that you needed a steerable array (gosh, that sounds expensive).... two rotors to not only point in the proper azimuth, but also an elevation rotor to point the antennas in the proper place in the sky! Of course, one also needed antenna's to point, and then the radio gear... SSB or CW transmitter on 145MHz plus a 29MHz receiver....

To shorten this story, and get to the point. I was comming to the conclusion that I would probably never get 'on-the-air' as far as OSCAR was concerned.... all that complicated stuff, and all...

... one day, I was tuning through 10 meters around the high end of the band... the whole band had been very dead... I don't know what I was looking for... then all of a sudden, I heard all kinds of signals.... everyone I heard was working other stations!!! And I could hear them ALL!! At first I couldn't understand what had happened. The band had been dead. Maybe I have an intermittant connection from my antenna, and that is why the signals just seemed to 'pop' in out of nowhere.... I finally realized that I was hearing the output of one of the OSCAR satelites (hearing people calling CQ OSCAR, CQ OSCAR probably gave me the hint!!). I sat there, longing to be on-the-air with them!

At first, I thought that I would just sit there and listen, If I only had a transmitter.... even a simple 145MHz CW transmitter would be great!!! Just then, someone started using one of the local 2 meter FM repeaters, I reached for the knob on the FM radio to turn it OFF... Then (EEK, I get strange thoughts sometimes (no comments from Doug!).... My FM rig can transmit in the proper frequency range!!! Of course the OSCAR 'birds' don't like FM being transmitted through (I have been studying, so I knew this)... BUT, I could get a scrap of wire.... disconnect the microphone... and use the PTT (push to talk) line to key the transmitter and have a CW signal on the air!!!

I set the transmitter to a frequency that I thought should be near the middle of the input of the satelite... and started calling CQ by shorting that wire across the mic-plug of the FM rig.... then I heard it!!! My own signal heard through the satelite... I didn't care if anyone heard me, I heard my own signal.... Of course it took me a little tuning to find it... but there it was. I wonder if I can send a QSL card to myself??? with them...
Just then, someone answered me!!! We had a great (short) contact, and I explained what I was using.... a 10 Watt 2 Meter (145MHz) transmitter into a 1/4 wave ground plane antenna... my receiver was an *old* Heath tube (HW-100 I think) job, and it was connected to a 10 meter dipole. I did receive a QSL card from the other Ham... It is one of my favorites!!!

Sorry for the long story... I had fun remembering it (that was back somewhere around 1978 or so).... The moral of the story....

Have FUN with Amateur Radio.... Fun like this is stimulating and doesn't have to be expensive... It also prepares us for the emergency and public service that we perform from time to time.

> PS: Still think I got the remainder of the 2mtr quad somewhere !!

Great!! that was a lot of fun too (another story), I was almost thinking of building another one!

By the way... how are we going to answer the question about who elmered whom?

Rich (NM1D) -- And PROUD of it!!!!

```
 /**************************************************************************\
 * Rich Bono (NM1D)    If I could only 'C' forever!!    rbono@necis.nec.com *
 * (508) 635-6300          NEC Technologies Inc.               NM1D@WB1DSW *
 \**************************************************************************/
```

```
From -3898914352453538060
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,988349ca4c4e0a85
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 11:52:45 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <173@ssc.UUCP>
Date: 29 Aug 90 18:52:45 GMT
References: <9008281326.AA05327@tilde>
Organization: SSC, Inc., Seattle, WA
Lines: 7
Posted: Wed Aug 29 19:52:45 1990
```

In article <9008281326.AA05327@tilde>, dube@cpdvax.csc.ti.com writes:

> Discussions of new licensing plans have been replete with references to
> "techies" and "ultra-techies". Will someone please define these terms?

Someone who can pass the written test with out memorizing the questions.

markz@ssc.uucp

```
From -3559629813385918344
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5393ca9c454bc1ab,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 12:42:10 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!nisca.ircc.ohio-
state.edu!OSU.EDU!Bob_Dixon
From: Bob_Dixon@OSU.EDU
Newsgroups: rec.ham-radio
Subject: Drilling Holes
Message-ID: <CMM.0.88.651946450.dixon@hpuxa.ircc.ohio-state.edu>
Date: 29 Aug 90 16:13:01 GMT
Sender: daemon@nisca.ircc.ohio-state.edu
Reply-To: Bob_Dixon@osu.edu
Lines: 23
Posted: Wed Aug 29 17:13:01 1990
```

Here is the method I have used with success. Drill a hole just big enough for the pilot bolt of a chassis punch, and then use the punch for the final hole of the correct size. That will make a very nice smooth hole with no paint chipping, etc. If possible with the antenna, mount a ball mount on the car instead of the antenna directly. That will allow you to easily change from one antenna to another as you wish later. Be sure to use a stainless steel ball mount, as the other el cheapo balls will chip, rust and permanently corrode onto your antenna.

The antenna or ball will generally have a rubber gasket where it meets the car, for waterproofing. I make doubly sure of the seal by coating the gasket with clear silicon sealant before final assembly to the car.

To get a good ground conection, use an electric drill (or something like a small Moto-tool) with a wire brush or small grinding bit, to clean off the Inside of the sheet metal down to shininess. The antenna or ball will have hardware that tightens up onto that bare spot and makes good contact. Then paint the entire area inside the car with 2 coats of Rustoleum rusty metal primer, to prevent future corrosion.

If you are mounting the antenna on the roof (the best place for maximum coverage), a good way is to take the dome light out and then work thru that area of the roof. Then put the dome light back in when the antenna is finished. That often avoids having to deal with the upholstery.

Bob Dixon, W8ERD

```
From -5096609777988803798
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dfd27fba0b0ed2a1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 14:04:46 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: Weird Shutdown of my Astron power supply while antenna tuning (RF?)
Message-ID: <1250218@hpnmdla.HP.COM>
Date: 29 Aug 90 21:04:46 GMT
References: <1990Aug29.055134.16823@midway.uchicago.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 28
Posted: Wed Aug 29 22:04:46 1990

Gary (N9KAW)

I have an Astron (and schematic) at home too. So this *is* a guess. I suspect that you could easily have generated some pretty big local fields with the tuner and the longwire. The impedance of the longwire could certainly have been high and that probably made for lots of RF voltage in the shack. Whether this was coupled into the Astron via the DC output leads, the power line or directly radiated into the box I don't know but it probably was one of those. The source impedance of the supply at RF is not guaranteed to be low (thus the extra bypasses?).

I don't know what the failure mechanism was exactly but I think it is a series pass supply which means that the output might be pulled above the desired regulated voltage. I suppose there is an overvoltage circuit which could have turned on. I'm not clear on what the precise failure sequence was but maybe there is a crowbar that got turned on and the supply tried to source current into it and broke something. With the RF present in regulator, over-voltage and over-current circuits it seems like almost anything could have happened.

I hope it didn't over voltage your radio. I fried a 432 transverter that way one time and I know of others who have lost HTs to the same fate. Good power supplies are *not* trivial.

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From 8481343709418305172
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4cfc6fe90a304e8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 14:38:43 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!apple!winter
From: winter@Apple.COM (Patty Winter)

Newsgroups: rec.ham-radio
Subject: Re: SAREX Operating Schedule
Summary: schedule should still be fine
Message-ID: <44379@apple.Apple.COM>
Date: 29 Aug 90 17:35:28 GMT
References: <168@ssc.UUCP> <14838@burdvax.PRC.Unisys.COM>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 28
Posted: Wed Aug 29 18:35:28 1990

In article <14838@burdvax.PRC.Unisys.COM> techpubs@PRC.Unisys.COM (Technical Pub. Vince Short) writes:
>Below is a tentative schedule for Amateur Radio Operations from Shuttle mission
>STS-35. Since the schedule is based on Mission Elapsed Time, this schedule
>will be updated and reposted soon after launch to show the "real" UTC times and
>dates. This tentative schedule assumes a launch time of 1 Sep 05:17 UTC.
>
> I can not speak to the authenticity
>or correctness of this schedule (I'm just a number cruncher!). For example, is
>the Demo schedule still accurate? Or will there even be Demo operations during
>the mission?

I've been waiting for Tom Clark or Courtney Duncan to verify the schedule, but since they haven't, I'll leap into the breach.

Yes, the times should still be fine. (The METs, that is; as Vince noted, the actual times may shift slightly depending on actual launch time.)

And yes, the "demos" are still very much on. I don't know why they're called demos; to the kids who will be talking to the shuttle, they're very real!

Patty
--
```
*****************************************************************************
Patty Winter N6BIS                          INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                       UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From 4499803540013972780
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95eb6686276c7bdc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 14:41:16 PST
Path: gmdzi!unido!mcsun!uunet!wang!k9hi
From: k9hi@wang.com (Phil Temples)
Newsgroups: rec.ham-radio
Subject: Civilian Welfare Traffic into Kuwait
Keywords: welfare, traffic, kuwait, radio australia
Message-ID: <as5atb.bbn@wang.com>
Date: 29 Aug 90 13:58:08 GMT

Organization: Wang Labs, Lowell MA, USA
Lines: 29
Posted: Wed Aug 29 14:58:08 1990

Date   : 28 August 1990
Subject: Civilian Welfare Messages into Kuwait
To   : All Amateur Radio Operators
From   : Glenn Baxter, K1MAN via Bob Salow, WA1IDA

Radio Australia will broadcast personal voice messages into Kuwait. These messages can be recorded directly by telephone into Radio Australia or by calling Glenn Baxter in Maine. The latter path may suffer voice quality because of retransmission.

Only first names should be used for the addressee and the signature. No street or city addresses should be used.

The telephone number for Radio Australia is: 011 613 881 2222.

The telephone number for Glenn Baxter is: (207) 495-2215.

The Radio Australia broadcasts may be heard between 1300 and 1500 UTC each day. The frequencies used will be: 6060, 7205, and 9580 kHz.

"death: to stop sinning suddenly."

Phil Temples   Wang Laboratories, Inc., Lowell MA 01851 USA
k9hi@wang.com   (508) 967-7900

From -2057079834187408666
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11c3f1522a1e9094
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 14:42:28 PST
Path: gmdzi!unido!mcsun!uunet!motcid!svec
From: svec@motcid.UUCP (Larry Svec)
Newsgroups: rec.ham-radio
Subject: Re: modifying icoms (was Re: IC-24 Expanded Transmit Range)
Message-ID: <4521@feldspar2.UUCP>
Date: 29 Aug 90 17:47:15 GMT
References: <4247@qip.UUCP> <1759@yenta.alb.nm.us>
Organization: Motorola Inc. - Cellular Infrastructure Div., Arlington Heights, IL 60004
Lines: 13
Posted: Wed Aug 29 18:47:15 1990

Regarding the following comment David made in his original note...

One notable exception...to get the 28a/h to xmit out of band, you just cut
D21...no matrix programming change required. It's a different design, and
it's easy to see what's happening in the schematic. Oh...and there are two
D21's in the 28a/h...get the right one...the wrong one is in the backup
battery circuit and clearly has nothing to do with the transmitter portion.

QUESTION... Is the IC228H the same as the 28H in this respect??????????

```
--
Larry Svec - KD9OF     (good in 1987 or newer callbooks)
      home: 708-526-1256
      work: 708-632-5259    fax: 708-632-2413, -3741
    e-mail: uunet!motcid!svecl
```

From -4759099895686686460
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,252fd7d3dd085d1f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 14:44:02 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!ub!uhura.cc.rochester.edu!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Ham radios make good props
Message-ID: <39557@cci632.UUCP>
Date: 29 Aug 90 13:37:16 GMT
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: Computer Consoles Inc. an STC company, Rochester, NY
Lines: 11
Posted: Wed Aug 29 14:37:16 1990

As I mentioned when Die Harder came out, all the radios used there were
ham radios, too. I suppose it doesn't matter that the guard on his
IC-u4AT was talking to the army on their kenwood 950. Commercial
transmitters are big and ugly and have very few knobs, and even fewer
LED's and readouts.

WZ2B

P.S. Could the "ham plates in CA" discussion please make use of the
"distribution" line? I always encourage the use of limited distribution
where applicable - every once in a while, people forget this.

From -3360962052414125829
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7bfebda87d86780,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 14:46:01 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!uwm.edu!cs.utexas.edu!sdd.hp.com!decwrl!ucbvax!XEROX.COM!kd6hr.El_Segundo
From: kd6hr.El_Segundo@XEROX.COM

Newsgroups: rec.ham-radio
Subject: Re: Will somebody please go fix the repeater
Message-ID: <"29-Aug-90.11:04:07.PDT".*PMcAfee.El_Segundo@Xerox.com>
Date: 29 Aug 90 18:04:07 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Wed Aug 29 19:04:07 1990

Sounds like my last trip to the "hill".
The only statment I would question is
>(A mostly-true story.)
I would change it to read "(A 99.9 % true story) Isn't ham radio fun :>}

Pete, kd6hr

From -7686817434487853693
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,988349ca4c4e0a85
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 15:03:57 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9008291703.AA24464@tilde>
Date: 29 Aug 90 17:03:11 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 34
Posted: Wed Aug 29 18:03:11 1990

Subj: Pirate TV

I've seen DAK's advertisement for the wireless TV system. The posting brings to mind another *distinct* possibility. Ponder this ad:

GET ON THE AIR WITH OUR NEW COMMUNICATION SYSTEM

The Federal Communications Comission recently lowered the rerquirements for obtaining a license to use the Amateur Radio frequencies. The ability to copy Morse code, which has been a major barrier to obtaining a Ham license, is no longer required by the FCC. In a celebration of this momentous event, we at Starcracker Radio are offering this blockbuster special so you can be the first on your block to get in on fun of being a Ham. Starcracker-1 transceiver, 50 watt transmitter works on all Ham bands from 14 MHz through 30 MHz. Only $79.95. Starcracker 1A same as the Starcracker 1, but works on Ham bands from 30MHz through 150 MHz only $109.95.

Why be power-limited? Why skulk around on 11 meters wondering if you'll be caught running illegal power? Our new StarCrusher-100 will give you 100 watts of power that you can LEGALLY use to talk nearly anywhere in the world! Only 139.95. Or, for more talk-power you can key up our StarCrusher 500 to blast through the QRM. This fantastic radio is on sale now for ONLY 199.95. But don't wait! Act now while supplies last!

Best of all, ALL our radios come with an easy-to-use exam outline. All the questions you'll see on any license exam will be right there for you to study, and the CORRECT ANSWERS are right there with the questions. You'll also receive easy-to-follow instructions on how to find examining stations and what you need to do to get your license. DON'T WAIT! DO IT TODAY!

73,
Dube   N5PDK

From -7935875768169571253
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,78d2e7fc30a65fab,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 15:33:47 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: Call Plates
Message-ID: <9008291831.AA26046@tilde>
Date: 29 Aug 90 18:31:56 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 22
Posted: Wed Aug 29 19:31:56 1990

In <91@thoreau.nsc.com> rtodd@thoreau.nsc.com (Ron Todd) asks:

> Are there any states which will not issue for "out of state" calls?

No problem in Texas... I've had my 8-land call on my call plates for about 7 years. Cheap, too.

Gee, instead of being MORE EXPENSIVE since they are associated with PUBLIC SERVICE, ham call plates ought to be CHEAPER!   :-)

73, Y'all!

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                           !   "In order to accomplish the
 Bob West WA8YCD                  !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM         !    the absurd!"
```

```
                               !       -- Miguel de Animo y Jugo
 P. O. Box  863069             !
 Plano Texas 75086             !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

From -8661776309550524038
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9d5e3ae7a079f5c2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 16:12:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Good Ham Radio Experiences)
Message-ID: <7880264@hpfcdc.HP.COM>
Date: 29 Aug 90 23:12:54 GMT
References: <8336@ncar.ucar.edu>
Organization: HP Fort Collins, Co.
Lines: 34
Posted: Thu Aug 30 00:12:54 1990

> ...challenge to say something *good* about our hobby.

Last Sunday evening I backpacked into the Boulderfield, 12800', north of Longs Peak, Colorado, 14255', as the Park Service was evacuating an injured climber from the north face. They were unable to reach a flat enough area by dark for helicopter evacuation. The chopper made one pass and bugged out due to erratic winds. It was 9pm, eight hours since the accident, six miles and 3400' down to the trailhead, and the guy was still bleeding slowly but uncontrollably from a compound fracture.

I offered assistance with my 2m HT. The EMT in charge decided he needed to converse directly with a doctor. That was hard to arrange with the Park Service HTs. I made a phone patch with 1/2 watt via line-of-sight to a repeater in Fort Collins, 35 miles away and 7800' lower, thence called back into the Estes Park Medical Center about ten miles away from us. The EMT and the doctor had a productive conversation.

Due to unpredictable winds, the rescue team elected to carry out the victim that night. At 6am the next morning he reached an ambulance at the trailhead, about 17 hours after the accident, and was in surgery in Loveland about three hours later. The next day he was doing fine (I visited him briefly); recovering from blood loss and beginning the difficult road to recovering the use of his right leg.

Oh yeah, during that same two day backpacking trip I also helped two parties call in to report they would be late getting off the (notoriously long) trail, helped someone say Hi to their grandmother in Denver, called the Colorado Mountain Club peak register coordinator a couple of times to pass information about register conditions, and kept in touch regarding my ex-wife's sudden overnight stay in the hospital. (We have a seven year old daughter...)

How'd I ever go into the backcountry without a radio?

From -9017488779288708783
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe89040f7508c734
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 17:06:51 PST
Path: gmdzi!unido!mcsun!uunet!cos!hqda-ai!media!csense!bote
From: bote@csense.uucp (John Boteler)
Newsgroups: rec.ham-radio
Subject: Re: Microphone gain vs deviation limiter
Message-ID: <1990Aug30.000651.6188@csense.uucp>
Date: 30 Aug 90 00:06:51 GMT
References: <44322@apple.Apple.COM>
Organization: Common Sense Computing, McLean, VA.
Lines: 54
Posted: Thu Aug 30 01:06:51 1990

From article <44322@apple.Apple.COM>, by winter@Apple.COM (Patty Winter):
> In article <17973@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>
>>(Note: nearly all rice-rockets come with the microphone gain set 'way
>>too high for mobile use. Just listen to the local repeater - if you can
>>hear road noise and the dude's window is up, he's got too much gain.
>>But most hams don't realize that.
>
> Amen to that. I've especially noticed that in the past few years. I'm
> not sure what you mean by "rice-rockets"[sic], but it seems like the
> newer HTs tend to have a really high mike gain.

This is a perpetual problem. The trouble is, the guy with the problem is the only one who *never* knows about it because he is transmitting--everyone *else* has to listen to it.

To further complicate matters, many radios have both a microphone gain and a deviation limiter adjustment.

The microphone gain generally sets the gain of the microphone amp stage, which in many cases nowadays is a monolithic chip containing an op amp or two. The mic gain determines how much audio will be shoveled at the deviation limiter circuit. Set this too high and you will be limiting the road noise to same level as your voice at screaming volume = no good! This should be set so that you just barely limit the louder peaks when speaking in a normal communications level voice. Watch out for the touch tone level; the IC-2 has a separate adjustment for the tones while some radios do not. You may have to monkey around a little to get the tones and voice balanced on such radios.

The deviation limiter attempts to prevent splatter by limiting the modulation index. It generally performs minor audio shaping and limits the amount of drive to the modulator circuit. This adjustment keeps your signal roughly within the +-5KC bandpass of most receivers.

Note carefully: you can set your mic gain all the way up and your deviation limiter to near bottom and end up with a horribly distorted audio signal which is barely audible; you can also set the mic gain very low and crank the deviation limiter way up so that in order to be heard, your signal will splatter out of the bandpass of the receiver.

The best thing to do, again, is to adjust the mic gain for a wee bit of limiting at normal communications speech, then set the deviation limiter on a calibrated monitor to the 5KC range; this will give you a punchy audio signal and give the rest of your listeners's ears a break!

Thanx in advance.

--
John Boteler   bote@csense.uucp   {uunet | ka3ovk}!media!csense!bote
SkinnyDipper's Hotline: 703-241-BARE | VOICE only, Touch-Tone(TM) signalling

From -8699092429898551976
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c722329cabc49cea
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 19:47:03 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!decwrl!
bacchus.pa.dec.com!shlump.nac.dec.com!ricks.enet.dec.com!reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: Re: XT - what's the story?
Message-ID: <15027@shlump.nac.dec.com>
Date: 29 Aug 90 22:01:23 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 25
Posted: Wed Aug 29 23:01:23 1990

In article <28951@netnews.upenn.edu>, depolo@eniac.seas.upenn.edu (Jeff DePolo) writes...

>What is the current and proper name of the country that XT belongs to?
>
>Bukina Faso (sp?) (DXCC country list, PacketCluster)

Yes!

```
>Voltaic Republic   (Beam heading chart)
>Upper Volta        (Soft copy of an older DXCC list)

These are the old names.

jim, AD1C

=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=

"The opinions expressed here in no way represent the views of Digital
 Equipment Corporation."

James J. Reisert                Internet: reisert@ricks.enet.dec.com
Digital Equipment Corp.         UUCP:     ...decwrl!ricks.enet!reisert
77 Reed Road
Hudson, MA  01749-2895


From -8928163353820993839
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,146373eb89aaa3b9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 19:54:51 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!mikemr
From: mikemr@microsoft.UUCP (Michael MRAZ)
Newsgroups: rec.ham-radio
Subject: Collins advice wanted
Keywords: Collins
Message-ID: <57045@microsoft.UUCP>
Date: 29 Aug 90 21:40:32 GMT
Organization: Microsoft Corp., Redmond WA
Lines: 7
Posted: Wed Aug 29 22:40:32 1990

I'm looking to buy a Collins S-line station, and I'd
like to know which models and serial number ranges are considered
to be the best. Any ex-Collins engineers out there? Also looking
for advice on KWM-2 series. Thanks.
==================================================================
| Mike, N6MZ         "Real radios glow in the dark..."           |
==================================================================


From -7184630660563076260
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,425469057b2575b8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 20:35:05 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!zaphod.mps.ohio-state.edu!
swrinde!ucsd!nosc!crash!guhsd000
From: guhsd000@crash.cts.com (Paula Ferris)
Newsgroups: rec.ham-radio
Subject: Re: transmitting without a license
```

Message-ID: <4176@crash.cts.com>
Date: 29 Aug 90 20:27:59 GMT
References: <9008282113.AA17143@tilde>
Organization: HALE Telecommunications, San Diego
Lines: 12
Posted: Wed Aug 29 21:27:59 1990

Packet radio in the CB (11 meters) isn't a new idea, I played with the idea a bit with a friend.

Things to think about: Time limits (if you want to operate legally)

Problems: NOISE....(Donno what the hell it is, so lets key on it!)

Besides, most CBers lack the intelligence to run a radio AND terminal.

(Sometimes it seems like running the radio is hard enough for them, with the 3 hour long conversations about VSWR and grounding...)

From -753806684722817864
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dfd27fba0b0ed2a1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 20:58:30 PST
Path: gmdzi!unido!mcsun!uunet!samsung!rex!wuarchive!zaphod.mps.ohio-state.edu!swrinde!ucsd!nosc!crash!scotto
From: scotto@crash.cts.com (Scott O'Connell)
Newsgroups: rec.ham-radio
Subject: Re: Weird Shutdown of my Astron power supply while antenna tuning (RF?)
Summary: poor constuction?
Message-ID: <4177@crash.cts.com>
Date: 29 Aug 90 21:00:34 GMT
References: <1990Aug29.055134.16823@midway.uchicago.edu>
Organization: Crash TimeSharing, El Cajon, CA
Lines: 29
Posted: Wed Aug 29 22:00:34 1990

In article <1990Aug29.055134.16823@midway.uchicago.edu> gary@ellis.uchicago.edu (gary buchholz) writes:
>Riddle me this...
>
>I have an Astron RS-35M power supply (12v @ 35 amps). A few days ago,
>...
>Astron simply "shut down". The Astron has amp and volt meters and the
>voltmeter which always reads 13.8 volts was reading only a few volts.
>I shut the Astron off, turned it back on, and agin it showed 13.8
>volts. No fuse was blown, no smoke.. and I doubt that in the course
>of tuning by transceiver it was pulling no more than about 3-5 amps.

While I have no first hand experience, I have been told by several folks that they've seen poorly constructed Astron supplies. One fellow found the AC line wired backwards while yet another found an area that missed solder completely!

Is it possible that maybe you've got a marginal connection in the supply?

DISCLAIMER: I'm NOT badmouthing Astron. I'm just relaying comments I've heard in the last few weeks regarding their assembly.

```
Scott O'Connell - N6ZEK      UUCP: {nosc, hplabs!hp-sdd}!crash!ipars!scotto
                             ARPA: crash!ipars!scotto@nosc.mil
                             INET: scotto@ipars.cts.com
--
```

```
Scott O'Connell - N6ZEK      UUCP: {nosc, hplabs!hp-sdd}!crash!ipars!scotto
                             ARPA: crash!ipars!scotto@nosc.mil
                             INET: scotto@ipars.cts.com
```

From 5412176408199783541
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae0f549eff52ba1e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 21:19:37 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!JPNTSUK2.BITNET!870383
From: 870383@JPNTSUK2.BITNET (KOMATSU Toshiki)
Newsgroups: rec.ham-radio
Subject: ?:trup-less beam .
Message-ID: <9008310720.AA23583@ucsd.edu>
Date: 30 Aug 90 04:19:37 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Thu Aug 30 05:19:37 1990

Hello , OM .

I heard 'DJ2UT' type HF beam antenna . This antenna seems not to use trup and to use multi band .

If anyone used these type antenna , please tell me specification and how to buy it .

Thank you .

JF7WED/1

```
/ KOMATSU Toshiki
Dept.of CHEMISTRY,Univ.of Tsukuba.  E-mail:870383@JPNTSUK2.bitnet
phone :+81-(0)298-514590            mail  :P.O.Box 53,Tsukuba-Gakuen,
HAMnet:JF7WED@JI1ZMW.#12.JNET1.JPN            Ibaraki 305 JAPAN
```

From -7038268682517549664
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe89040f7508c734

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 21:45:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!dali.cs.montana.edu!milton!uw-beaver!ubc-cs!alberta!atha!aupair.cs.athabascau.ca!rwa
From: rwa@cs.athabascau.ca (Ross Alexander)
Newsgroups: rec.ham-radio
Subject: Re: Mag mounts vs. drilled mounts (Was Re: Ham car license plates in CA)
Message-ID: <229@aupair.cs.athabascau.ca>
Date: 29 Aug 90 20:26:57 GMT
References: <9008201720.AA03242@hls.com> <7880258@hpfcdc.HP.COM> <44305@apple.Apple.COM> <1748@raybed2.msd.ray.com>
Organization: Athabasca University
Lines: 29
Posted: Wed Aug 29 21:26:57 1990

Just to add a note of levity: I have a mag mount 5/8s 2-meter whip on top of my pickup truck. I drilled a hole in the roof, though, so that I wouldn't have to feed the coax through a window.

Q: Why did I go this way?

A: Lots of reasons -

1. I can move the antenna to another vechicle easily (and only leave a few scratches :-)

2. I can run it on the roof of my house (sheet metal roof)

3. Truck roofs are *tall*. I am sure that the 6'6" clearances in mall parking lots & c. would scrape off a hard-mounted antenna. The mag mount just tips over.

4. The measured SWR is 1.1 to 1 or better, so I can't get too excited (pun) about efficiency arguements

5. I don't have to listen to the wind noise created by always having a window cracked open.

I just picked up a disc-cone for the house, though, so #2 isn't as much an issue now as it once was.

--
--
Ross Alexander   rwa@cs.athabascau.ca   (403) 675 6311   ve6pdq

From -7836275301215662268
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f82abb2c6336b587
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 21:53:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!

```
decwrl!ucbvax!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: 1296 MHz receiving and transmitting convertors?
Message-ID: <1250217@hpnmdla.HP.COM>
Date: 29 Aug 90 17:01:34 GMT
References: <18010@ucsd.Edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 46
Posted: Wed Aug 29 18:01:34 1990

> Rather than design and debug my own, I'd like to find a source of kits
> or modules to convert between the 2m and 1296 MHz ham bands.  The
>
> I've got about 100 mw of 2m to upconvert; then I'll amplify it to the
> proper output power.  The receiver is 2m also, and quite sensitive.
>
> This is FM, so a linear mode isn't necessary.  The receiving converter
>
> Any suggestions as to suppliers, or experience with particular models
> you've used?

Brian,
  Three commercial solutions come to mind. Microwave Modules still has
a 2M <-> 1296 transverter as far as I know. Probably fairly pricey.
The same is true for SSB Electronics (DM1200 or so I think for 10Watts).
A less expensive alternative is the Maki-Denki (sp) Japanese solution.
It runs about .75 watts output and the one I had showed 2-3 dB NF on
receive. I bought it for about  $125 in Tokyo as I remember 4-5 years
ago. 100 mW drive is fine (too much?).
  All the above are linear transverters and are usable (although probably
none is rock-solid stable) for SSB/CW as well.

  10-20 Watt linear amplifier modules are available from (at least)
RF Parts in San Marcos, CA for under $70. A lower power driver is
also made by Mitsubishi which will put out the 1 watt or so needed
to drive the power amp. These low power drivers need only about 1 mW
drive and I think can actually do about 4 watts saturated so they
make pretty good modules in their own right. I think they are about $40
or so.
  If you get into building your own transverter, you might refer to my
microwave station design series in Ham Radio Magazine for a fully
phaselocked LO system. Sounds like the commercial route is likely more
to your liking at this time though. See if you can get someone in Japan
to get a Maki-Denki for you. The latest JRRL CQ Ham Radio has the
UTV1200 in it (I think that is the correct series, I don't read Japanese
I just look at the pictures (:>)  )  from Yen39,000 to Yen49,000. Looks
like one of these is 3.5 watts output. I'm reading from page 201 of the
September issue in case you can get a copy to someone who can read it for
you. There are probably some other ads for it elsewhere in the issue.


Glenn Elmore -N6GN-
```

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From -3211019906261769113
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,988349ca4c4e0a85
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 22:08:23 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Summary: Techie definitions
Message-ID: <1278@ke4zv.UUCP>
Date: 29 Aug 90 19:58:24 GMT
References: <9008281326.AA05327@tilde>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 28
Posted: Wed Aug 29 20:58:24 1990

In article <9008281326.AA05327@tilde> dube@cpdvax.csc.ti.com writes:
>From: CPDVAX::DUBE   21-AUG-1990 13:57:18.29
>To: TILDE::"info-hams@uscd.edu"
>CC: DUBE
>Subj: What's a Techie?
>
>Discussions of new licensing plans have been replete with references to
>"techies" and "ultra-techies". Will someone please define these terms?
>Are we talking about people who can design and build superhets? Someone
>who knows how to string together computer equipment? Someone who can
>design a functional antenna system for 23CM? Who are these people and
>what are the qualifications for becoming one?
>I might be a "closet techie" and not know it.
>
>73,   Dube   N5PDK

My definition of a ham techie is someone who is more interested in the
techincal side of radio than in operating. In general, a techie is a
builder not a DXer. A techie likes novel circuits or software not
making the BPL. A techie operates primarily to try out his/her new
ideas or to talk about them. A techie will rarely be found hanging
around the "good ole boy" roundtables.

An ultra-techie is so far gone he/she won't even talk to the techies. :-)

To become a techie you only need a burning desire to learn and do.

Gary KE4ZV

```
From -8122985696541582691
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe89040f7508c734
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 22:21:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!aplcen!haven!ni.umd.edu!sayshell.umd.edu!louie
From: louie@sayshell.umd.edu (Louis A. Mamakos)
Newsgroups: rec.ham-radio
Subject: Re: Mag mounts vs. drilled mounts (Was Re: Ham car license plates in CA)
Message-ID: <1990Aug29.222319.14001@ni.umd.edu>
Date: 29 Aug 90 22:23:19 GMT
References: <9008201720.AA03242@hls.com> <7880258@hpfcdc.HP.COM>
<44305@apple.Apple.COM> <1748@raybed2.msd.ray.com> <229@aupair.cs.athabascau.ca>
Sender: usenet@ni.umd.edu (USENET News System)
Organization: The University of Maryland, College Park
Lines: 7
Posted: Wed Aug 29 23:23:19 1990
Nntp-Posting-Host: sayshell.umd.edu
```

In article <229@aupair.cs.athabascau.ca> rwa@cs.athabascau.ca (Ross Alexander) writes:

```
>    4. The measured SWR is 1.1 to 1 or better, so I can't
>       get too excited (pun) about efficiency arguements
```

The SWR of my dummy load is 1:1. It's .1 more efficient than the mag mount! :->

louie, WA3YMH

```
From -2515994745065863322
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5393ca9c454bc1ab
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 22:33:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!wdl1!engle
From: engle@wdl1.wdl.fac.com (David Engle)
Newsgroups: rec.ham-radio
Subject: Re: Drilling Holes
Message-ID: <3300002@wdl1.wdl.fac.com>
Date: 29 Aug 90 21:47:52 GMT
References: <CMM.0.88.651946450.dixon@hpuxa.ircc.ohio-state.edu>
Lines: 33
Posted: Wed Aug 29 22:47:52 1990
```

Regarding Drilling holes in your car:

Don't use a PL-259 (SO-259) on your car. Go buy a Larson (or your favorite manufacturer) antenna base and the mating antenna of your choice. There is a complete set of instructions included with the unit. As another poster suggested drill a pilot hole first and then

USE A CHASSIS PUNCH to make the appropriate size hole. This will make a clean ROUND hole of the correct size.

The Larson mount has a square steel inside piece with the corners turned up. This will spring a small amount and scrape its own contact to the bare metal (this on the inside of the car). For the outside there is a moulded, threaded cap with an O-ring seal to fasten to the inside piece. The result is a neat water tight antenna mount that you can buy different kinds of antennas to fit (like when you buy a dual bander and think you need a new antenna). For my own installation I use a 1/4 wave 2m antenna for normal commute use. When about to go on a trip I swap the 1/4 wave 2m ant for a 5/8 wave 2m ant to get better range.

For the faint of heart, look in the Yellow Pages under mobile radio. Find a local dealer and have them take down the head-liner, drill the hole and dress the coax cable. Check with them first, their antenna product line may not include what you need, you may be better off buying the antenna first and having them install your antenna. Last time I made the inquiry the price was less than $50 and it included the antenna and coax.

Regards, Dave

David Engle, KE6ZE - engle@wdl1.wdl.fac.com - 408/473-4419 @ Ford Aerospace
Facts, what facts. I don't got to show you no stinking facts. These are opinions expressed here. "Any clod can have the facts, its an art to have an opinion" Herb Caen, SF Chronicle.

From 8558014541601885820
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,917b7f012bccd59f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 22:36:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!ucbvax!lynx.northeastern.edu!sehrlich
From: sehrlich@lynx.northeastern.edu
Newsgroups: rec.ham-radio
Subject: Clubs
Message-ID: <memo.438988@lynx.northeastern.edu>
Date: 29 Aug 90 20:25:14 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Wed Aug 29 21:25:14 1990

Does anyone know if there is an Amateur Radio Club in the Brookline, Massachusetts area. I presently live in Brookline, and am going to be taking my novice test very soon. I'd like to know if there are any other Hams in my area? I am part of the Northeastern University Radio club in Boston, Mass. Just wondering if there was anything going on in my hometown.

Thanks.

1* <- to be filled in soon!

From 9059972929102702623
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df3284a9dc5bbb7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 22:41:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Metropolitan Area Positioning System
Message-ID: <1279@ke4zv.UUCP>
Date: 29 Aug 90 20:32:22 GMT
References: <SCOTTP.90Aug28101844@eecs.cs.pdx.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Distribution: rec
Organization: Gannett Technologies Group
Lines: 97
Posted: Wed Aug 29 21:32:22 1990

In article <SCOTTP.90Aug28101844@eecs.cs.pdx.edu> scottp@eecs.cs.pdx.edu (Scott Peterson) writes:
>I recently read an article from QEX about DSSS, and the use of vertical retrace
>from a local TV station to synchronize the noise generators. That eventually
>gave me a totally different idea ...
>
>I can see where it would be useful for packet nodes to know their location
>to within a few hundred meters. Besides helping the operator when they get
>lost looking for a garage sale, it helps the terminal know what cell it's in
>in a cellular access system.
>
>If there were several beacons in a city which can be received simultaneously,
>and for which the positions are known with high accuracy, a receiver ought to
>be able to determine its location. This requires that it know its initial
>position, and that it notices discontinuities in beacon patterns. It also
>requires a protocol for mobile stations to query permanent stations for certain
>local parameters. (I haven' figured out yet whether it's possible with a
>sceme like this for a station to completely determine its position with the
>help of one or two permanent stations. If so, it would greatly ease the
>configuration of a metro area LAN. Only a few of the fixed stations would
>have to get out the survey maps and determine their position to within 1m.)
>
>The two regular beacons I can think of are the vertical retrace of all the
>local TV stations (6 here in PDX, 7 if you can hear Salem), and all the stereo
>beacons of all the local FM stations (a dozen or two).
>
>With both of these beacons the problem for positioning is that you can only
>determine delta-x and -y from some known starting position. You must then
>watch it change and update your position accordingly. With the 19kHz stereo

>beacons, there is the additional problem that one cycle of 19kHz propagates
>about 10km before the next cycle starts. That means that if you stop listening
>in a moving car, you may have the wrong idea of where you are when you start
>again. The problem with vertical retrace is that the relationship of this
>between stations may change instantaneously when a station switches to another
>program (network feed from tape, etc.). Receivers would have to monitor
>several stations to notice this and apply corrections.
>
>The Really Big Problem with both is the regularity of the beacon. Someone
>told me that the frame rate for color broadcast is not the same as for
>B&W. In any case, TV's should be relatively immune to irregularities since
>they resync for every frame (within limits). For the 19kHz stereo beacon,
>much averaging may have to be done to get a useful time reference. It may
>still be bogus if the beacon drifts around as humidity, temp, or phase of
>the moon (i.e. slowly).
>
>Do these signals tend to be generated by crystal controlled devices? If so
>they may be regular enough for positioning. The thing is, unless regularity
>is required by the FCC, there's no reason for broadcast equipment makers
>to design it in.
>
>My question to all of you (yes, finally, the point :-)) is what is the
>accuracy of the vertical retrace signal and the 19kHz stereo beacon? What
>is required, and what is usually there. If some of you have worked in the
>broadcast industry, you may know this off the top of your head. (I'd have
>to bring a scope home from work and open up the stereo to figure it out,
>and what I find may not be generally true.) References to appropriate
>documentation are greatly appreciated.
>
>To get positioning info accurate enough to tell what cell you're in, beacon
>accuracy of a few uS is needed. To tell what road your car is on, beacon
>accuracy in the tens of nanoseconds is required. I have a feeling these
>beacons in the broadcast band aren't even close.
>
>Thanks in advance,
>--- Scott Peterson
>   scottp@eecs.cs.pdx.edu

B&W and color transmissions use the same frame rate 59.94hz. In the beginning, B&W was transmitted with a 60hz frame rate, but since the advent of color, the broadcast standard (RS-170A) sets the frame rate for all transmissions to the color rate of 59.94hz. The color subcarrier and the color burst are deleted during B&W programming to prevent false color on misadjusted receivers.

The frequency/phase of broadcast images can change from source to source although most modern plants lock all their sources together to allow supers and special effects. Unfortunately, very few stations use high stability references for their plants. In the past the networks used Rubidium frequency standards for their feeds and some stations installed these "atomic clocks" locally so they could stay in phase with network programming. This allowed them to super their call letters over network programming. Today however, with the advent of cheap digital framesyncs, the stations run off their primary reference all the time and resync incoming feeds to their house reference with the framesync. This means that the stability of the signal is reduced to that of a simple crystal oscillator, often not even temperature controlled. The use of cheap digital equipment has allowed the frequency tolerance of reference systems to be relaxed so much that the FCC no longer even requires that we monitor our reference frequency.

This is not the worst problem with your scheme however. The problem is that stations are not in frequency/phase with each other. What you would be measuring would be the short term drift between two or more totally unrelated crystal oscillators. If all the stations in a local area could be PAID to keep their plants referenced to a common reference, then you would have something.

Gary KE4ZV

From 4146976907801823792
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,143ea2b64ef8b869
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 22:55:26 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: _Pump Up the Volume_ bad for amateu
Message-ID: <30500707@ux1.cso.uiuc.edu>
Date: 29 Aug 90 20:41:00 GMT
References: <5586@plains.NoDak.edu>
Lines: 65
Nf-ID: #R:plains.NoDak.edu:5586:ux1.cso.uiuc.edu:30500707:000:3430
Nf-From: ux1.cso.uiuc.edu!phil   Aug 29 15:41:00 1990
Posted: Wed Aug 29 21:41:00 1990

FLAME WARNING !!!

When I am misquoted or misinterpreted, I take the privilege to FLAME !!!

> No, I'm sorry, it's stupid and not well thought out. It was stupid and not well
> thought out when Phil Howard proposed the same thing last year. Who the hell
> are you to tell me that I need a note from some overbearing old fart that says
> I'm *allowed* to have a radio because I'm being supervised? Beyond that, what

I did ***NOT*** propose the same thing last year. I suspect you did not really read exactly what I said and the context it was applied to, because I received a couple of private replies from people who misinterpreted it like you are doing.

THE CONTEXT WAS: there was a proposal to have the FCC restrict transmitter sales. This resulted in many threads of argument.

WHAT I PROPOSED: was one of several alternative plans, including adding that *IF* there must be such a law, there SHOULD BE A CLAUSE to allow the scheme of having the elmer or some other ham sign for candidates.

There was also an alternative that I suggested of asking the dealers for voluntary enforcement. The flames I got back from that were **COLD** because the "flamers" assumed I was proposing the idea from the context of where we are now when in fact I was proposing it as an alternative to a bad idea. They assumed, as perhaps you also did, that I was coming up with that idea because I wanted to see it done when in fact it was to cool down the ideas of having the laws that were proposed.

It ABSOLUTELY DOES **NOT** mean that I like the idea. Some people have an attitude problem when it comes to ISSUES: they are UNABLE to deal with things in forms similar to: "I don't like X, but if we have to have X, we also need to have Y". The no-code issue falls into this. But far too many just said they were against it (many without any logic or reason) and failed to put in their position when it came to figuring out what a "no-code" really was.

If fully support the right for people to OWN:
    GUNS without a license
    CARS without a license
    FISHING RODS without a license
    TRANSMITTERS without a license
    ANY CHEMICAL OR DRUG without a license
and for anyone to make or manufacture for themselves any of the above.

> I know you're trying to come up with a solution to something you percieve to be a problem. I don't believe it is as big a problem as people who like to worry about it wish it were. In the only instances above where you cited licenses that are supposedly proof of ability to operate (cars and airplanes), there is no precedent for making a license required to buy the item whose operation is restricted. It is illegal to operate a ham transmitter without a license. The FCC *is* prosecuting cases where unlicensed operation takes place. There is no need for a "fix" that will open up a whole rat's nest of liability problems and make it even harder for new hams to join up.

Now if you had posted some of these issues back then, it might have been made clearer now. I just don't like being taken out of context.

If we need to require a license for anything, it should a license to reply to something you misinterpret (just joking, I support your right to post whatever you want, but I will rebut if it is wrong).

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -9081570369816165860
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b3e28e05ff1f4ea

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 22:58:28 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!samsung!usc!apple!uokmax!nsslsun.gcn.uoknor.edu!skaggs
From: skaggs@nsslsun.gcn.uoknor.edu (Gary Skaggs)
Newsgroups: rec.ham-radio
Subject: Re: LORAN and ham radio [long]
Message-ID: <1990Aug29.233208.13851@uokmax.uucp>
Date: 29 Aug 90 23:32:08 GMT
References: <55684@iuvax.cs.indiana.edu>
Sender: news@uokmax.uucp (Nets)
Organization: National Severe Storms Laboratory
Lines: 19
Posted: Thu Aug 30 00:32:08 1990

In article <55684@iuvax.cs.indiana.edu> commgrp@silver.ucs.indiana.edu (BACS Data Communications Group) writes:
>
>The Wild Goose Association is a LORAN equipment manufacturers' group
>which is of little direct benefit to individual users.
>
Things, they are a changin', Frank. The WGA is now very involved with users, as in, "our future lies in those pockets." This years convention in Long Beach will include a large emphasis on users. True, it once was a "manufacturer's group", but those days are gone.

To all those who asked about the WGA months ago, I haven't forgotten you. I just got back from 2 months research in Arizona and am catching up on mail. You'll get the info requested "real soon now" (quote taken from ACC sales people when asked the status of their repeater controller software updates!).

Gary Skaggs - WB5ULK   Internet: skaggs@nsslsun.gcn.uoknor.edu
The National Severe Storms Laboratory (The Tornado People)
      "Shall we repair to my tent?" "I didn't know it was broken!"

From 3966449042832660175
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,143ea2b64ef8b869
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 22:58:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!usc!sdd.hp.com!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: _Pump Up the Volume_ bad for amateu
Message-ID: <30500708@ux1.cso.uiuc.edu>
Date: 29 Aug 90 20:49:00 GMT
References: <5586@plains.NoDak.edu>
Lines: 29
Nf-ID: #R:plains.NoDak.edu:5586:ux1.cso.uiuc.edu:30500708:000:1532
Nf-From: ux1.cso.uiuc.edu!phil   Aug 29 15:49:00 1990

Posted: Wed Aug 29 21:49:00 1990

> Yes. I had to do it when I bought my ATV transmitter from PC electronics.
> (I wasn't in the callbook. If you're current in the callbook, they'll look
> you up. I just faxed a copy and that was that.)

PC Electronics has a right to do this if they want. It does not influence my decision to buy or not buy anything from them. I currently do not because what they sell isn't the kind of equipment I want to buy.

> -Incidently, there is no reason an
> -orginization with a business license can't buy ham gear and have it
> -modified to use on their assigned frequencies, and use it.
>
> I'm not sure, but do radios have to be type accepted for business use?

The FCC requires (as far as I know) ALL business uses of radio to be LICENSED and make use of equipment that is TYPE ACCEPTED for that particular service. The key words are "make use of". The FCC (apparently) has no authority over what is actually owned, and has only limited precedent for equipment sales (e.g. CB linear restrictions).

People who modify their transmitters for "out of band" that covers the land mobile services have not broken any laws I've ever read. But to USE them on those services, even though they are properly authorized (e.g. a police officer who is a ham, and is using his modified ham HT on his authorized police radio frequency) is a violation of the use of type-acceptance rule.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -9135035147777486347
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,366a891afe53fd8a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 00:04:45 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: mHz
Summary: ham programs on broadcast station
Message-ID: <174@ssc.UUCP>
Date: 30 Aug 90 07:04:45 GMT
References: <9008290300.AA05565@cmr.ncsl.nist.gov>
Organization: very little
Lines: 28
Posted: Thu Aug 30 08:04:45 1990

In article <9008290300.AA05565@cmr.ncsl.nist.gov>, rc@CMR.NCSL.NIST.GOV (Robert Carpenter) writes:
> All this talk of FM stations takes me back to the early 60s when I put

> WHFS (FM) on the air,
>
> To get to the point, I never did call "CQ 3 meters", but I came close...
> We had a 15-minute ham radio program each Sunday; talk about TRYING to go
> broke...The
>

Back in the 70's, K7SS and K7RA had a program on KRAB-FM (107.7 MHz, founded
by the infamous Lorenzo Milam of "Sex in Broadcasting" fame) in Seattle called
the "Ham Radio Hours". Actually, it had little to do with amateur radio, other
than the show was amateurish and the hosts were hams...

They did a lot of wild stuff, and a couple of times they announced that
"the MUF is up", called QRZ, and turned off the carrier while they "tuned
the band."

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -4602333811809296202
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11be8cd8f6d41550,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 01:56:07 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!husc6!m2c!umvlsi!umaecs!iza
From: iza@ecs.umass.edu
Newsgroups: rec.ham-radio
Subject: Out-of-state call plate problems
Message-ID: <10584.26dcd4a7@ecs.umass.edu>
Date: 30 Aug 90 08:56:07 GMT
Lines: 7
Posted: Thu Aug 30 09:56:07 1990

Reading about problems with out-of-state call plates, here in Massachusetts
they don't care and I was issued (showing a copy of the Alien Reciprocal
License) a very nice plate with my call EA2SN. Shame the car died two
days later and I had no money to replace it! But my dream to have a car
with ham plates was fulfilled (in Europe we don't have such things)
73,
Jon W1/EA2SN iza@umaecs (bitnet) iza@ecs.umass.edu

From -4535511991935110521
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,df3284a9dc5bbb7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 02:10:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
cs.utexas.edu!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Metropolitan Area Positioning System
Message-ID: <4279@qip.UUCP>
Date: 29 Aug 90 15:39:28 GMT
References: <SCOTTP.90Aug28101844@eecs.cs.pdx.edu>
Reply-To: john@qip.UUCP (John Moore)
Distribution: rec
Organization: Anasazi Inc, Phoenix AZ
Lines: 35
Posted: Wed Aug 29 16:39:28 1990

In article <SCOTTP.90Aug28101844@eecs.cs.pdx.edu> scottp@eecs.cs.pdx.edu (Scott Peterson) writes:
]I recently read an article from QEX about DSSS, and the use of vertical retrace
]from a local TV station to synchronize the noise generators. That eventually
]gave me a totally different idea ...
]The two regular beacons I can think of are the vertical retrace of all the
]local TV stations (6 here in PDX, 7 if you can hear Salem), and all the stereo
]beacons of all the local FM stations (a dozen or two).
]
What you want to use is the NTSC subcarrier (3.579545) from a network
live television broadcast. These are transmitted with Cesium clock
accuracy. Furthermore, phase detection at 84 meter wavelength is
easier to make accurate than at 5,000,000 meters (60 Hz) or
15,800 meters.

However, for most of the US, this is really not the way to go at all.
LORAN C will give you accuracies of a few hundred feet, with differential
accuracies much better than that. You can buy
a LORAN C receiver with RS-232 interface for about $300.00.
Currently, some parts of the US are in bad geometry zones, but this
is being corrected. Phoenix is one such area, but in 1-2 years, we
will have good LORAN C coverage here. If you couple LORAN C to
a digitized road map, you should be able to keep continuous track
of where you are. The FAA (worlds most conservative regulator agency)
is starting to allow LORAN C ILS approaches - this gives you a clue as to
how good it is.

By the way, LORAN C transmits on 100 KHz and is easily detected with
a resonant loop-stick and FET impedance converter. Build one and you
can see the pulse groups with a scope. Pretty neat stuff!

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -3025707012710447O7
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,273d25e221185f6a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 04:54:29 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!
ucbvax!GTE.COM!pescatore_jt%ncsd.dnet
From: pescatore_jt%ncsd.dnet@GTE.COM
Newsgroups: rec.ham-radio
Subject: EXTRA CALLS IN THIRD DISTRICT
Message-ID: <9008301154.AA00772@bunny.gte.com>
Date: 30 Aug 90 11:54:29 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11
Posted: Thu Aug 30 12:54:29 1990

The latest extra call I have heard about here in Maryland is WE3W. There were a lot of people holding off until the W 2x1 calls came out and they are going very quickly.

And, yes, that does mean that someone out there is WA3 Dog and is Dog/4 when the are mobile in Virginia. I haven't heard that call around yet.

But, here I sit, still waiting for a buy your callsign plan, stuck with a humongous (sp?) call even though I've been an extra for 10 years.

73 John WB2EKK/3 PESCATORE_JT@NCSD.GTE.COM

From -6502419816338958183
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,425469057b2575b8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 05:21:56 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: transmitting without a license
Message-ID: <7832@helios.TAMU.EDU>
Date: 30 Aug 90 12:21:56 GMT
References: <9008282113.AA17143@tilde> <4176@crash.cts.com>
Sender: usenet@helios.TAMU.EDU
Organization: Computer Science Department, Texas A&M University
Lines: 50
Posted: Thu Aug 30 13:21:56 1990

In article <4176@crash.cts.com> guhsd000@crash.cts.com (Paula Ferris) writes:
>
>Packet radio in the CB (11 meters) isn't a new idea, I played with the
>idea a bit with a friend.

I have heard of it being done in some areas, but never on the scale we hams use it.

>
>Things to think about: Time limits (if you want to operate legally)

What time limits?? I don't see how anything can be considered illegal if you use an un-modified CB rig. You are still just running AM/SSB and the sound of packet is no more illegal than all the wolf-whistles and other noises Cbers like to make.

>
>Problems: NOISE....(Donno what the hell it is, so lets key on it!)
>
>Besides, most CBers lack the intelligence to run a radio AND terminal.
>
>(Sometimes it seems like running the radio is hard enough for them, with
>the 3 hour long conversations about VSWR and grounding...)

I sent a private communication to someone about this subject and my rationale for even suggesting it. I suppose being as I made the statement in public, my clarification should probably be public as well, so her goes.

Actually, I thought it might even clean up CB after a while.
Just think. Joe CBer hears this noise (brapppp) which he considers annoying, so in the true spirit of CB, he tries to jam it by keying up his rig and shouting obscenities into the mike.
Of course when he un-keys, he again hears brappppp. Eventually the packet traffic gets thru cause it just keeps right on trying and because packet users don't usually sit there with the speaker on, they never even hear Joe CBer. But Joe CBer has to continue to listen to brapppp brapppp brappp. How long before Joe CBer gets fed up with the whole thing and puts his CB in the attic where it belongs??

The end result being, we might finally have a license free band (remember Don Stoner's proposal) for all the computer geeks who want to link conmputers and send traffic that is no legal over HAM Radio (like USENET). Add to that the cleaning up of CB and it sounds like a pretty worthwhile idea (IMHO).

LATER

bill KB3YV

From -7118794112453195019
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c722329cabc49cea
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 05:22:17 PST

Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
snorkelwacker!apple!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Re: XT - what's the story?
Message-ID: <3887@altos86.Altos.COM>
Date: 30 Aug 90 00:46:01 GMT
References: <28951@netnews.upenn.edu>
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 17
Posted: Thu Aug 30 01:46:01 1990

In article <28951@netnews.upenn.edu> depolo@eniac.seas.upenn.edu (Jeff DePolo)
writes:

```
}Bukina Faso (sp?)  (DXCC country list, PacketCluster)
}Voltaic Republic   (Beam heading chart)
}Upper Volta        (Soft copy of an older DXCC list)
}
}Any definate answer?
```

These are all the same country. Upper Volta changed their name to Bakina
Faso not too long ago.

```
--
Jerry Gardner, NJ6A                         Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos!jerry   2641 Orchard Parkway
Internet: jerry@altos.com                   San Jose, CA  95134
Guns don't kill people, bullets do.                   (408) 432-6200
```

From 8228213484141251765
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b13ebdb6e1a22f14,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 05:24:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!
ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: Morse Code Programs for DOS
Message-ID: <9008300040.AA11760@tilde>
Date: 30 Aug 90 00:40:14 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 33
Posted: Thu Aug 30 01:40:14 1990

In article <44397@apple.Apple.COM> winter@Apple.COM (Patty Winter) writes:
>
> In article <33905@eerie.acsu.Buffalo.EDU> v128j8jx@ubvmsa.cc.buffalo.edu writes:

> >I am looking for an MS-DOS morse tutor so that I may learn the code.
>
> Well, I know d%&n well that some Macintosh code practice programs do
> exactly that, and I find it hard to believe that no other DOS program
> does. Are they right?
>

SuperMorse 3.x (I think version 3.09 is on SimTel20, I have 3.15 from
Compu$erve, and have not checked lately for updates) is a fine program
by Lee Murrah, WD5CID.

It has been able to send code from a file ever since version 2.xx and
before that it was called "CW" it still sent from a file.

Rich Bono, N1MD, who reads this newsgroup, has a good one called AUTOCW, which
I think also will read from a file.

It ain't hard in the DOS world to read a file, and any code program that
-DOESN'T- just isn't finished yet! :-)

73, & GL
```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                          !   "In order to accomplish the
 Bob West WA8YCD                 !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM        !    the absurd!"
                                 !       -- Miguel de Animo y Jugo
 P. O. Box  863069               !
 Plano Texas 75086               !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

From 4994987577354002563
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df3284a9dc5bbb7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 05:25:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!
brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Metropolitan Area Positioning System
Message-ID: <18125@ucsd.Edu>
Date: 30 Aug 90 01:41:02 GMT
References: <SCOTTP.90Aug28101844@eecs.cs.pdx.edu> <4279@qip.UUCP>
Distribution: rec
Organization: The Avant-Garde of the Now, Ltd.
Lines: 30
Posted: Thu Aug 30 02:41:02 1990

In article <4279@qip.UUCP> john@qip.UUCP (John Moore) writes:
>However, for most of the US, this is really not the way to go at all.
>LORAN C will give you accuracies of a few hundred feet, with differential

>accuracies much better than that. You can buy
>a LORAN C receiver with RS-232 interface for about $300.00.
>Currently, some parts of the US are in bad geometry zones, but this
>is being corrected. Phoenix is one such area, but in 1-2 years, we
>will have good LORAN C coverage here. If you couple LORAN C to
>a digitized road map, you should be able to keep continuous track
>of where you are.
>
>By the way, LORAN C transmits on 100 KHz and is easily detected with
>a resonant loop-stick and FET impedance converter. Build one and you
>can see the pulse groups with a scope. Pretty neat stuff!

However, most loran-c receivers use voltage-probe antennas, and are
quite susceptible to man-made interference, such as arcing neon signs,
fluorescent lights, electric fences, and unshielded ignition systems.
The one I run in my car often fails to lock up with a verified
position. A magnetic-field antenna (big ferrite rod) would eliminate
most of those problems, hence my question a few weeks back on this
group as to where to find big ferrite rods.

One interesting thing you'll find if you start having an accurate nav
instrument in your car: a lot of the roads aren't exactly where the
maps show them to be. Some are off by a tenth of a mile or more out in
the middle of nowhere. (I can't help but wonder if that's just plain
simple error or whether the Defense Highway System isn't where the maps
show it to be in order to make bombing it harder!)
     - Brian

From -7294333113244105845
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe89040f7508c734
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 05:33:23 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Mag mounts vs. drilled mounts (Was Re: Ham car license plates in CA)
Message-ID: <7880263@hpfcdc.HP.COM>
Date: 29 Aug 90 18:31:51 GMT
References: <44305@apple.Apple.COM>
Organization: HP Fort Collins, Co.
Lines: 9
Posted: Wed Aug 29 19:31:51 1990

I opted for drilling the hole, because I heard that mag mounts are prone
to vibration and can scratch the paint, causing more damage than
drilling a hole. If you want to sell the car, you can buy a little
rubber plug. If you are drilling a BMW or a Porsche, then you obviously
make enough money not to worry about such matters.

Perry/KF0CA

"Just drill it"

```
From 8095733343472087470
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e0d021c2d50fa361,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 05:50:50 PST
Path: gmdzi!unido!mcsun!sunic!news.funet.fi!assari.tut.fi!rko
From: rko@assari.tut.fi (Risto Kotalampi)
Newsgroups: rec.ham-radio
Subject: UKE-Senderen, Trondheim
Message-ID: <1990Aug30.125050.15707@assari.tut.fi>
Date: 30 Aug 90 12:50:50 GMT
Sender: rko@assari.tut.fi (Risto Kotalampi)
Organization: Tampere University of Technology
Lines: 9
Posted: Thu Aug 30 13:50:50 1990
```

Is there anyone in Trondheim who knows about
UKE-Senderen, the station that broadcasted for a month or
so in October-November 1989?

Please e-mail if you know a person I could contact.

Risto Kotalampi, rko@assari.tut.fi
Signal Processing Laboratory
Tampere University of Technology

```
From 7074600880525066935
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d5556fdaed8c9200,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 06:13:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucselx!
crash!guhsd000@crash.cts.com
From: guhsd000@crash.cts.com (Paula Ferris)
Newsgroups: rec.ham-radio
Subject: Bendix King
Message-ID: <4182@crash.cts.com>
Date: 30 Aug 90 01:59:38 GMT
Sender: root@crash.cts.com
Organization: HALE Telecommunications, San Diego
Lines: 38
Posted: Thu Aug 30 02:59:38 1990
```

I need information on Bendix King handy-talkies, I know the basic programming
of them, and some modes, but not as much as I need to know.

It's a govt bander, but in theory, it'll work in 2m as well, and I know it will operate at least as high as 170Mhz, and low as 155Mhz, and will store (but not always accept/operate with) values as low as 101Mhz.

What I need is a information on "secondary programming mode" and I need to know the meanings of options 1 - 12345 and 2 - 12345, as well as involk dtmf mode (Little Phone Reciver on display).

Why: A friend of mine is a Chief in a Vol. Fire Department in Minn., and they got 4 of these with chargers, and no paper from another city in the midwest. They have no cellular service, but do have 2m repeaters/ phone patches, and has to carry this radio whenever he's on standby, the radios have 14 channels, but his area only uses 8 for everything, including fire, law enforcement, etc... He's a ham, but doesn't own a HT of his own. So right now, the only extra feature he's added is NOAA weather (with scan bypassing, for good reason).

I have no model number....

...Don't ask, that's about all the info I have, just spent some time on the phone explaining how to trip prog mode, and some basic programming features (all I know about the bendix king). So I figured SOMEONE out there knows...

Hale Telecommunications Incorperated - KKLR & KALE

UUCP: (cbosgd, sdcsvax, nosc)!crash!guhsd000
ARPA: crash!guhsd000@nosc.mil
INET: guhsd000@crash.CTS.COM
RF : DC to Light

"...and hit him with the heaviest thing he could find, the current volume of FCC Regulations...Uncle Mouth fell dead." - V. of Laryngitis

---

From -4345601372282964333
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,680049e31c13fabe
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 06:21:43 PST
Path: gmdzi!unido!mcsun!uunet!samsung!xylogics!bu.edu!mirror!necntc!necis!rbono
From: rbono@necis.UUCP (NM1D)
Newsgroups: rec.ham-radio
Subject: Re: LORAN and Ham Radio
Message-ID: <1388@necis.UUCP>
Date: 30 Aug 90 13:21:43 GMT
References: <1990Aug2.164543.16200@sq.sq.com> <2700014@hp-ptp.HP.COM>
Organization: NEC Technologies, Inc., Boxborough, MA
Lines: 46
Posted: Thu Aug 30 14:21:43 1990

In article <2700014@hp-ptp.HP.COM>, kenb@hp-ptp.HP.COM (Ken Buscho) writes:

> Thanks for a good article on LORAN; it helped to take away some of
> the "magic" aspect of the thing. I've got a fairly cheap handheld
> unit that I carry along in the backcountry just for the hell of it
> to see what it will do. Grounding it properly makes all the difference in the
> difference in the world between results and nothing at all!

Yes... grounding is VERY important... glad it helped (the artical)

>
> Can you point me to any literature on LORAN? I'd like to learn more
> about it. This receiver requires 3 signals to get a fix; is there
> any way I can do it with just two? I'd appreciate info. Thanks!
>

Hmm... Well, you can try the US Coast Guard... They have a group based in Wildwood (NJ or NY, I can't remember which) that does a lot with LORAN. Or you can contact the "Wild Goose Association".... Or (I don't know how helpful they will be) contact Megapulse, Inc., (Bedford, MA) 617-275-2010.... They make the SOLID STATE MEGAWATT (yes that is MEGA not milli or kilo) LORAN transmitters... and have been very dedicated to LORAN. Although, they are an engineering group... I don't know if they will be able to help you at all....

Getting your recevier to give positional information with only two receivers is fairly complicated.. and the capability must be built into the tracking software of the receiver.... Some advanced receivers have this ability, I think they call is "Rho-Rho" tracking, or some such thing... (Sorry, it has been a few years since I worked there.... and I didn't work in the areas of tracking software.

By the way... it is amazing how many Hams still think that LORAN is still wiping out the 160 meter band.... This is similar the notion that the Amateur Radio Service has lost the WHOLE 220 MHz band to the 'commercial UPS boys'.... (I heard that one on a repeater this morning)... Geesh guys, WAKE UP!!! LORAN has been on 100 KHz (oops, don't want to get flamed, make that kHz) for years now (and the old LORAN A that caused trouble on 160 has been OFF THE AIR FOR YEARS)... and (if we lose) we will only lose the 220-222 MHz segment of the 220-225 MHz Amateur band (for those who can't do the math... that leaves 222-225 MHz (3 MHz) for Amateur Radio use).
[sorry for the rambling again.... I havn't had my coffee yet :-)]

Rich (NM1D)

```
 /***************************************************************************\
 * Rich Bono (NM1D)    If I could only 'C' forever!!    rbono@necis.nec.com *
 * (508) 635-6300          NEC Technologies Inc.              NM1D@WB1DSW *
 \***************************************************************************/
```

From -6466750421864326458
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c722329cabc49cea
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 08:10:23 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-

state.edu!wuarchive!udel!haven!decuac!shlump.nac.dec.com!koning.enet.dec.com!koning
From: koning@koning.enet.dec.com (Paul Koning)
Newsgroups: rec.ham-radio
Subject: Re: XT - what's the story?
Message-ID: <15044@shlump.nac.dec.com>
Date: 30 Aug 90 15:10:23 GMT
References: <28951@netnews.upenn.edu>
Sender: newsdaemon@shlump.nac.dec.com
Reply-To: koning@koning.enet.dec.com (Paul Koning)
Organization: Digital Equipment Corporation
Lines: 15
Posted: Thu Aug 30 16:10:23 1990

|> After working an XT last night on 15, I compared 4 different sources and
|> can't come up with the right answer to this question:
|>
|> What is the current and proper name of the country that XT belongs to?
|>
|> Bukina Faso (sp?) (DXCC country list, PacketCluster)
|> Voltaic Republic   (Beam heading chart)
|> Upper Volta   (Soft copy of an older DXCC list)

Burkina Faso.

"Upper Volta" is the former name of that country. "Voltaic republic" I've
never heard of; probably some EE's notion of a joke.

paul

From -2380488359830712250
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df3284a9dc5bbb7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-30 08:17:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!princeton!udel!wuarchive!zaphod.mps.ohio-state.edu!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Metropolitan Area Positioning System
Message-ID: <1280@ke4zv.UUCP>
Date: 30 Aug 90 15:17:33 GMT
References: <SCOTTP.90Aug28101844@eecs.cs.pdx.edu> <4279@qip.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Distribution: rec
Organization: Gannett Technologies Group
Lines: 19
Posted: Thu Aug 30 16:17:33 1990

In article <4279@qip.UUCP> john@qip.UUCP (John Moore) writes:
>What you want to use is the NTSC subcarrier (3.579545) from a network
>live television broadcast. These are transmitted with Cesium clock

>accuracy. Furthermore, phase detection at 84 meter wavelength is
>easier to make accurate than at 5,000,000 meters (60 Hz) or
>15,800 meters.

This used to be true John. The networks quit doing this some time ago. Our NBC network feeds are hot switched via satellite from one location to another by uplink command from Skypath. None of the feeds are referenced to each other. There is a Frame Syncronizer as part of the NBC downlink package at each station. The incoming net feeds are resynced to the station's house sync generator by this frame sync. The house sync generator in most stations uses a simple non-temperature compensated crystal oscillator. It is not unusual to see a 10hz variation in subcarrier frequency from feed to feed and from station to station in a market these days.

Gary KE4ZV

From 3179688995243517018
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe89040f7508c734
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 18:06:39 PST
Path: gmdzi!unido!mcsun!uunet!salt.acc.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Mag mounts vs. drilled mounts (Was Re: Ham car license plates in CA)
Message-ID: <17973@ucsd.Edu>
Date: 27 Aug 90 23:14:42 GMT
References: <2869@wyse.wyse.com> <17868@ucsd.Edu> <44305@apple.Apple.COM>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 39
Posted: Tue Aug 28 00:14:42 1990

Yes, Patty, you certainly don't always need the best possible signal. Listening to any repeater in any large town will reveal a large number of people who have taken that philosophy to heart, and seem to revel in the less-than-best signal they put out. You regularly hear people who are noisy into the repeater and yet seem to have no trouble hearing it.

Most repeaters are designed to have roughly reciprocal coverage with a 10 to 25 watt mobile and a properly-installed car antenna. In many cases, back when I was doing that sort of thing for a living, I'd find that the antennas were installed with high SWR, bad grounds, and similar problems. These all caused the transmitter to back down its power to protect the final stages - some of the people with 25 watt radios were in actuality putting about two watts into their antenna!

Really, it only takes a few minutes to install an antenna properly. I have a great deal of trouble understanding why someone would spend $400 on a radio, another $50 on an antenna, and then wimp out at the last minute and not install it properly! Probably didn't drill holes in the dashboard either.

The cynic in me insists this is just one more aspect of the great american lack of drive for excellence. The technician in me says it's more likely that they're afraid to. After all, how many american hams have adjusted the mic gain and/or deviation on their radios?

I wonder what percentage of Japanese hams have drilled holes in their cars to permanently install antennas? It would be an interesting statistic! (Yes, I know, many fewer cars in Japan. %!)

(Note: nearly all rice-rockets come with the microphone gain set 'way too high for mobile use. Just listen to the local repeater - if you can hear road noise and the dude's window is up, he's got too much gain. But most hams don't realize that. Classic conversation: on hearing the NEIGHBOR's dog barking in the background of a ham transmitting from home, I advised him to turn down his mic gain. He apologized for crowding the microphone and backed off, whereupon the dog's voice overpowered his. And this guy is a police dispatcher - a "skilled professional radio operator" with an Advanced class license. Arrghhh!)
     - Brian

From 8082749346073257787
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe86e9feced4fc63,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 18:07:39 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!decwrl!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Heathkit info
Message-ID: <9008272049.AA05044@tilde>
Date: 27 Aug 90 20:49:36 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4
Posted: Mon Aug 27 21:49:36 1990

Sorry to post this to the net, but unable to reach alux4!jvm@ucbvax.Berkeley.edu. Thanks for the offer, Jim, but I received the information on the HD-15 from another source. Thx for the transistor info, also.
73,   Dube   N5PDK

From -198263229376668277
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,122286c73203b427,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 18:50:24 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio

Subject: Re: CALL FOR DISCUSSION: Reorganizing r
Message-ID: <30500705@ux1.cso.uiuc.edu>
Date: 27 Aug 90 23:19:00 GMT
References: <171157@<1990Aug20>
Lines: 11
Nf-ID: #R:<1990Aug20:171157:ux1.cso.uiuc.edu:30500705:000:559
Nf-From: ux1.cso.uiuc.edu!phil   Aug 27 18:19:00 1990
Posted: Tue Aug 28 00:19:00 1990

> My sentiments exactly. I like the way threads mutate over time, and with
> splinter groups I'd miss some interesting stuff.

You can always just read ALL the groups, and you'd have what you have now. You are someone who, like me, really won't benefit from the change. I for one expect to read ALL the groups as I do now. But there are definitely others who DON'T like skipping over all the articles.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -1604887487698596920
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,122286c73203b427
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 18:50:27 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: Reorganizing r
Message-ID: <30500706@ux1.cso.uiuc.edu>
Date: 27 Aug 90 23:27:00 GMT
References: <171157@<1990Aug20>
Lines: 29
Nf-ID: #R:<1990Aug20:171157:ux1.cso.uiuc.edu:30500706:000:1364
Nf-From: ux1.cso.uiuc.edu!phil   Aug 27 18:27:00 1990
Posted: Tue Aug 28 00:27:00 1990

```
> I was wrong. After considering what I've seen/read for the last few
> months, and considering other comments, and guessing that I have
> access to all *radio* groups, please consider:
>
> OLD                              NEW                     CHANGE
>
> rec.ham-radio                    rec.radio.ham           (name only)
>                                  rec.radio.ham.d         (new group)
> rec.ham-radio.forsale                                    (drop group)
> rec.ham-radio.packet             rec.radio.ham.packet    (name only)
> rec.ham-radio.swap               rec.radio.ham.swap      (name only)
> rec.radio.noncomm                rec.radio.noncomm       (none)
> rec.radio.shortwave             rec.radio.shortwave     (none)
>
> (i.e. combine forsale and swap, add a discussion group.)
```

1. Since when was there a "forsale" group? I've never see this one added. The discussion that created .swap considered that named and chose this one instead.

2. Why the cryptic name for the discussion group? And how to you DEFINE what constitutes a "discussion"?

3. It has been proposed the have rec.radio.swap instead of rec.radio.ham.swap so what is your reason for not having that?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 5884538078389962353
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4cfc6fe90a304e8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 19:49:18 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!burdvax!techpubs
From: techpubs@PRC.Unisys.COM (Technical Pub. Vince Short)
Newsgroups: rec.ham-radio
Subject: SAREX Operating Schedule
Keywords: ham satellites
Message-ID: <14838@burdvax.PRC.Unisys.COM>
Date: 27 Aug 90 19:24:25 GMT
References: <168@ssc.UUCP>
Organization: Unisys Corporation, Paoli Research Center; Paoli, PA
Lines: 65
Posted: Mon Aug 27 20:24:25 1990

SAREX TIMES
Below is a tentative schedule for Amateur Radio Operations from Shuttle mission STS-35. Since the schedule is based on Mission Elapsed Time, this schedule will be updated and reposted soon after launch to show the "real" UTC times and dates. This tentative schedule assumes a launch time of 1 Sep 05:17 UTC. Data for this schedule comes from W3IWI's May 27, 1990 SAREX.009 AMSAT bulletin updated with the new robot operating schedule that appeared in AMSAT News Service Bulletin 237.04 August 25, 1990. I can not speak to the authenticity or correctness of this schedule (I'm just a number cruncher!). For example, is the Demo schedule still accurate? Or will there even be Demo operations during the mission? The "Demo" times are from the May 27, 1990 schedule and have probably changed by now. Anyone have any more accurate and timely information? Please EMail any corrections or information you may have.
73 and happy Shuttle DX'ing.

```
|-----DATE & TIME IN UTC---|   |--MISSION ELAPSED TIME--||---COMMENTS-----|
DAY MNTH HR  MM       HR MM     D   HR MM      D  HR  MM
 1  Sep   5  17  to   5  17     0   0   0  to  0   0   0 NOMINAL LAUNCH
 1  Sep  15  47  to  16  17     0  10  30  to  0  11   0   Pre   Sleep
 2  Sep   0  17  to   3   2     0  19   0  to  0  21  45  Post   Sleep
 2  Sep   0  17  to   1  57     0  19   0  to  0  20  40  Setup  SAREX
 2  Sep   1  42  to   1  57     0  20  25  to  0  20  40  Demo    #0   (VK)
 2  Sep   2  37  to  15  37     0  21  20  to  1  10  20  SAREX  ROBOT
 2  Sep  15  37  to  17  17     1  10  20  to  1  12   0   Pre   Sleep
 2  Sep  15  37  to  15  47     1  10  20  to  1  10  30  Demo    #1   (PY)
 3  Sep   1  39  to   2  32     1  20  22  to  1  21  15  Post   Sleep
 3  Sep   2  32  to  14  17     1  21  15  to  2   9   0  SAREX  ROBOT
 3  Sep  13  52  to  15  47     2   8  35  to  2  10  30   Pre   Sleep
 3  Sep  14  27  to  14  42     2   9  10  to  2   9  25  Demo    #2   (PY)
 3  Sep  23  47  to   1  17     2  18  30  to  2  20   0  Post   Sleep
 4  Sep   0  57  to   1  17     2  19  40  to  2  20   0  Demo    #3   (VK)
 4  Sep   1  17  to  13  12     2  20   0  to  3   7  55  SAREX  ROBOT
 4  Sep  13   9  to  14  47     3   7  52  to  3   9  30   Pre   Sleep
 4  Sep  13  17  to  13  27     3   8   0  to  3   8  10  Demo    #4   (PY)
 4  Sep  22  47  to   0  17     3  17  30  to  3  19   0  Post   Sleep
 4  Sep  23  47  to   0   7     3  18  30  to  3  18  50  Demo    #5   (VK)
 5  Sep   0  17  to   2   2     3  19   0  to  3  20  45  SAREX  ROBOT
 5  Sep   2  17  to  12  12     3  21   0  to  4   6  55  SAREX  ROBOT
 5  Sep  11  57  to  13  47     4   6  40  to  4   8  30   Pre   Sleep
 5  Sep  13  42  to  13  57     4   8  25  to  4   8  40  Demo    #6   (PY)
 5  Sep  21  47  to  23  32     4  16  30  to  4  18  15  Post   Sleep
 5  Sep  22  32  to  22  52     4  17  15  to  4  17  35  Demo    #7   (VK)
 5  Sep  23  17  to  11  17     4  18   0  to  5   6   0  SAREX  ROBOT
 6  Sep  11   2  to  13  17     5   5  45  to  5   8   0   Pre   Sleep
 6  Sep  12  37  to  12  47     5   7  20  to  5   7  30  Demo    #11  (PY)
 6  Sep  22  17  to  22  37     5  17   0  to  5  17  20  Post   Sleep
 6  Sep  22  47  to  11   2     5  17  30  to  6   5  45  SAREX  ROBOT
 7  Sep  11   2  to  13  17     6   5  45  to  6   8   0   Pre   Sleep
 7  Sep  12  57  to  13  12     6   7  40  to  6   7  55  Demo    #8   (PY)
 7  Sep  21  17  to  21  54     6  16   0  to  6  16  37  Post   Sleep
 7  Sep  22  47  to  10  47     6  17  30  to  7   5  30  SAREX  ROBOT
 8  Sep  11  17  to  12  17     7   6   0  to  7   7   0   Pre   Sleep
 8  Sep  20  17  to  23   7     7  15   0  to  7  17  50  Post   Sleep
 8  Sep  20  37  to  20  57     7  15  20  to  7  15  40  Demo    #9   (VK)
 8  Sep  21  47  to  22  17     7  16  30  to  7  17   0  SAREX  ROBOT
 8  Sep  22  17  to  22  37     7  17   0  to  7  17  20  Demo    #10  (VK)
 8  Sep  22  37  to   9  47     7  17  20  to  8   4  30  SAREX  ROBOT
 9  Sep  10   2  to  10   2     8   4  45  to  8   4  45   QRT     &   Stow
 9  Sep  20  12  to  20  12     8  14  55  to  8  14  55  Begin   De   Orbit
```

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 _   _    __    _    _     ____    _   _     ____
| | | |  |  \  | |  | |   / ___|  | | | |   / ___|  Joseph M. Fedock N3IE
| | | |  |   \ | |  | |  | |__    | \_/ |  | |__    Unisys/DS/EISG/VFL
| | | |  | |\ \| |  | |   \__ \    \   /    \__ \   Paoli, PA 19301
| \_/ |  | | \   |  | |   ___| |    | |     ___| |  (215) 648-2495
 \___/   |_|  \__|  |_|  |____/     |_|    |____/   techpubs@PRC.Unisys.COM
```

```
From 4816207268199947674
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c49d42d7653408e8,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1990-08-27 21:40:30 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!apple!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Re: Ham gear, bootleg radio, and movies
Message-ID: <3863@altos86.Altos.COM>
Date: 27 Aug 90 20:57:41 GMT
References: <15911@oolong.la.locus.com>
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 27
Posted: Mon Aug 27 21:57:41 1990

In article <15911@oolong.la.locus.com> dana@lando.la.locus.com (Dana H. Myers) writes:

} Recently there has been a flurry of discussion regarding the new
}movie 'Pump Up The Volume'. The story appears to be something about
}some high school students putting together a bootleg broadcast
}station. It just so happens they use an amateur transmitter to
}do this. Some folks here feel this is a problem, that it may/will

}either case, the fact a movie has ficticiously shown a ham transmitter
}in use at a bootleg station probably won't do much to stimulate the
}mis-application of ham gear.

For the last time NO! This movie does not show a ham transmitter, or anything that resembles a ham transmitter in use at a bootleg radio station.

I've seen the movie--the transmitter involved looks more like an HP signal generator than a ham transceiver. Amateur radio or the word "Ham" are never, repeat, never mentioned in the movie. Enough said...

```
--
Jerry Gardner, NJ6A                          Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos86!jerry 2641 Orchard Parkway
Internet: jerry@altos.com                    San Jose, CA  95134
Guns don't kill people, bullets do.                        (408) 432-6200
```

From -8620621570740436146
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10fe4c,e49eedd0e0511a2a,start
X-Google-Attributes: gid10fe4c,public
X-Google-Thread: 10c9e3,e49eedd0e0511a2a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 13ce86,e49eedd0e0511a2a,start
X-Google-Attributes: gid13ce86,public
X-Google-ArrivalTime: 1990-08-27 22:10:32 PST
Path: gmdzi!unido!mcsun!uunet!unhd!rg

From: rg@uunet!unhd (Roger Gonzalez)
Newsgroups: rec.ham-radio,alt.bbs,fido.ham-radio
Subject: ignorant question (was Re: HAM BBS)
Message-ID: <1990Aug27.130302.26850@uunet!unhd>
Date: 27 Aug 90 13:03:02 GMT
Reply-To: rg@unhd.UUCP (Roger Gonzalez)
Distribution: rec
Organization: Marine Systems Engineering Lab
Lines: 14
Xref: gmdzi rec.ham-radio:14371 alt.bbs:1335
Posted: Mon Aug 27 14:03:02 1990

Could some kind soul please email me an explaination about this combination of HAM and BBS stuff? I was just leafing through a Heathkit catalog and saw equipment that seemed to be used for this, but I am a little confused. Okay, *very* confused. I am a BBS type and know nothing about HAM. If it works the way I'm suspecting, I have a bad feeling that I am going to be spending a lot of money in the next few years :-)

-Roger

```
--
UUCP:   ..!uunet!unhd!rg      | USPS: Marine Systems Engineering Laboratory
BITNET: r_gonzalez at unhh    |       University of New Hampshire
PHONE:  (603) 862-4600        |       Marine Programs Building
FAX:    (603) 862-4399        |       Durham, NH  03824-3525
```

From 2002315375368345023
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe89040f7508c734
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 22:14:42 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: Mag mounts vs. drilled mounts (Was Re: Ham car license plates)
Message-ID: <44322@apple.Apple.COM>
Date: 28 Aug 90 00:24:48 GMT
References: <2869@wyse.wyse.com> <17868@ucsd.Edu> <44305@apple.Apple.COM>
<17973@ucsd.Edu>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 37
Posted: Tue Aug 28 01:24:48 1990

In article <17973@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>Yes, Patty, you certainly don't always need the best possible signal.
>Listening to any repeater in any large town will reveal a large number
>of people who have taken that philosophy to heart, and seem to revel in
>the less-than-best signal they put out. You regularly hear people who
>are noisy into the repeater and yet seem to have no trouble hearing it.

Yes, I certainly have! But I'll bet they're virtually all using rubber duckies. Unless you're blocked by a mountain or some such, even a 1/4-wave mag mount can give a solid signal in most instances. Of the 3-4 repeaters I use occasionally, I only need the 5/8-wave whip to get cleanly into one (about 40 miles away). (This is with a 2-watt HT.)

The point is that if the 1/4-wave doesn't give satisfactory results, switch to a 5/8 or a drilled mount or both. But if it works and the car owner prefers it, why not stick to the simpler and less damaging solution?

>(Note: nearly all rice-rockets come with the microphone gain set 'way
>too high for mobile use. Just listen to the local repeater - if you can
>hear road noise and the dude's window is up, he's got too much gain.
>But most hams don't realize that.

Amen to that. I've especially noticed that in the past few years. I'm not sure what you mean by "rice-rockets"[sic], but it seems like the newer HTs tend to have a really high mike gain. My older one (ICOM 2AT) isn't like that, but my Kenwood TH-21 is a little hotter, and I've heard others that are really a problem.

Patty

```
--
*****************************************************************************
Patty Winter N6BIS                        INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                     UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From -6556938678276910265
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e01393ffae7447ab,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,e01393ffae7447ab,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-08-27 22:51:36 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!mintaka!yale!think.com!linus!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Light dimmers
Keywords: RFI
Message-ID: <106977@philabs.Philips.Com>
Date: 27 Aug 90 19:38:04 GMT
Sender: news@philabs.Philips.Com
Lines: 29
Xref: gmdzi rec.ham-radio:14373 rec.radio.shortwave:1979
Posted: Mon Aug 27 20:38:04 1990

The question about light dimmer RFI has appeared on the net. I remember seeing some time ago, at Channel's (a home supply store), a variety of light

dimmers. One was the El-Cheapo. Another model claimed to have RFI suppression built in. Didn't try it, so I don't know how good it is. Probably just lets you hear local AM mw stations.
If your neighbor in the condo uses the El-Cheapo, you're probably out of luck.

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From 7682273840947582751
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d9360ed27d53078d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 22:52:45 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!think.com!linus!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Re: Making a clock go at twice the normal speed.
Message-ID: <106981@philabs.Philips.Com>
Date: 27 Aug 90 20:46:38 GMT
References: <89.26D730FF@w8grt.fidonet.org>
Sender: news@philabs.Philips.Com
Reply-To: rfc@briar.philips.com.UUCP (Robert Casey)
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 12
Posted: Mon Aug 27 21:46:38 1990

> > A friend of mine would like to change the speed up a clock by a factor
> > of 2.0 or 0.5 for a psychology experiment.

I once did something like this for a model railroad fast clock (so the model railroaders could run the toy trains on a schedule, playing dispatcher). What I did was use a clock chip that can be set by pushing a button to make it step thru the time at 60x real time. (not the "set the hours separately from the minutes style"). I wired the chip to be in this slow set mode, and then I fed it a low frequency to clock it. The low frequency came from a divider that divided 60Hz by 6 or 12. Or you could do some other factor if desired. Or build a low frequency osc.

From 5556926305454245929
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,997d5470096e77b0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 23:24:47 PST
Path: gmdzi!unido!mcsun!uunet!midway!ncar!umigw!mthvax!wb8foz
From: wb8foz@mthvax.cs.miami.edu (David Lesher)
Newsgroups: rec.ham-radio
Subject: Re: Ham car license plates in CA
Message-ID: <1990Aug28.024145.12693@mthvax.cs.miami.edu>
Date: 28 Aug 90 02:41:45 GMT
References: <9008201720.AA03242@hls.com> <30500704@ux1.cso.uiuc.edu>
Reply-To: wb8foz@mthvax.cs.miami.edu (David Lesher)
Organization: NRK Clinic for habitual NetNews abusers
Lines: 25
Posted: Tue Aug 28 03:41:45 1990

There IS one advantage to call-plates as yet unmentioned here:
     parking tickets

What IS he talking about?

Ohio went to 3x3 plates (ie ABC-123 or later 123-ABC) plates several years ago. When they did, gas-jocks and jills starting giving such a hard time on credit card purchases that I would say without prompting:
     WB8FOZ, yes it is
before they said "That's not an Ohio tag"

But I ALSO found that when I got parking tickets, I NEVER got chased for non-payment. Since others caught at the same places did, I finally concluded that the keypunch clerk was as adept as the gas folks, and just deep-sixed those tickets with "bad" tags.

Life is rough, sometimes ;+}

--
A host is a host from coast to coast.....wb8foz@mthvax.cs.miami.edu
& no one will talk to a host that's close............(305) 255-RTFM
Unless the host (that isn't close)......................pob 570-335
is busy, hung or dead....................................33257-0335

```
From 4705000146448920700
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d795508c350851c7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 03:20:56 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!nisca.ircc.ohio-state.edu!
zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!hpcvca!hpcvck!mcross
From: mcross@hpcvck.CV.HP.COM (Minor Cross)
Newsgroups: rec.ham-radio
Subject: Re: Kuwait Hams
Message-ID: <5440016@hpcvck.CV.HP.COM>
Date: 27 Aug 90 21:03:21 GMT
References: <9008230836.aa20108@FSAC1.PICA.ARMY.MIL>
Organization: Hewlett-Packard Co., Corvallis, Oregon
Lines: 21
Posted: Mon Aug 27 22:03:21 1990

Hi netlanders,
What is the status of the amatuers in Kuwait?  Is anyone on the air?
I had a call from a student at Oregon State Univ. who was wanting to see if
he could get any info about his family via amateur radio.  Does anyone
know? ( The student had heard that there was a amateur station in Oman that
could be telephoned requesting info.  If you then called back in 8 or
10 hours there may be info!  He hasn't tried it though).

Any info you can give will be appreciated.  Post it here for net wide
reading or send to me directly and I will repost a summary.
Thanks in advance.   73
Insert Standard Disclaimer notice here:
           ___
       /  /        Minor Cross     KD7YJ
      /  /        Hewlett-Packard  Northwest IC Division  [ NID ]
     /  /_____           _________       1020 NE Circle Blvd.
       /  ___   /  ____    /  ___   /     Corvallis, OR   97330
      /  /  /  /  /___/   /  /__/  /       -------------------------
     /__/  /__/          /  ______/       AT&T:  (503) 750-2044
                        /  /           HP telnet  750-2044
                /__/     }inhp4!hplabs!hp-pcd!mcross


From -6758280774700720387
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10fe4c,3fde6da8a1fee800,start
X-Google-Attributes: gid10fe4c,public
X-Google-Thread: 10c9e3,3fde6da8a1fee800,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 04:14:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!aplcen!wb3ffv!howardl
From: howardl@wb3ffv.ampr.org ( WB3FFV)
Newsgroups: rec.ham-radio,alt.bbs
Subject: The Amateur Radio BBS...
Keywords: ham amateur bbs packet public software
```

Message-ID: <3702@wb3ffv.ampr.org>
Date: 27 Aug 90 22:00:24 GMT
Followup-To: poster
Organization: Advanced Business Solutions - Baltimore , MD
Lines: 75
Xref: gmdzi rec.ham-radio:14378 alt.bbs:1338
Posted: Mon Aug 27 23:00:24 1990

I constantly see requests for various ham related software like NOS, NET, and many other programs. Here is where you can find all of the latest and greatest stuff, so have a blast...

+--+

HOW TO ACCESS THE WB3FFV AMATEUR RADIO TELEPHONE BBS !!!

I have placed a BBS system on-line that is mainly oriented towards the Amateur Community (but there is other stuff on-line). As of now I have not attempted to promote this system any place except in the amateur channels (PACKET, USENET, & word of mouth), and will continue under this policy, as I hope to keep it oriented toward amateur radio. The various software for UP/DOWNload is available via telephone dialup and Packet TCP/IP, and through user support I hope to keep the latest and greatest ham software on-line. Below is the information that is needed in order to access the BBS via Telephone -or- TCP/IP, please pass it around to as many ham's as possible.

System Name: WB3FFV
User Login: bbs
Number: (301)-625-0817 -- 1200 & 2400 (Non-MNP)
Number: (301)-625-9482 -- 1200 & 2400 (MNP5), 4800 & 9600 V.32 (V.42/MNP5)
Number: (301)-625-9663 -- 1200 & 2400 (MNP5), 9600 & 19200 (PEP)
Data Settings: 8 Bits, NO Parity, 1 Stop Bit
Times: 24hrs/365days (except for routine maintenance)
Software: XBBS (UNIX/Xenix Multiuser BBS)
IP Address: 44.60.0.1 {wb3ffv.ampr.org} [for FTP access on 145.550 mhz ONLY]
Misc. Info: Machine is an 80386 computer running UNIX V.3.2 and features 700 Meg of on-line storage. Most transfer protocols are available!!

I attempt to keep the latest and greatest HAM software on-line, and encourage all to upload anything new that they come up with, as it is of benefit to all. Here is a sample of a couple pieces of software that is available for DOWNLOAD:

KA9Q TCP/IP Software for the PC (Latest OFFICIAL release + TEST Versions)
KA9Q TCP/IP for the Atari-ST, MAC, & Amiga
KA9Q TCP/IP for UNIX based systems
KA9Q TCP/IP (The NOS release) [UNIX, MS/DOS, Amiga]
WA7MBL BBS for the PC (Versions 3.31, 4.31 & 5.1[2,3,4])
W0RLI BBS for the PC (Versions 6.xx, 7.xx, 8.xx, 9.xx, 10.xx)
MSYS BBS for the PC running KISS TNC's (Version 1.08)
AA4RE BBS for the PC (Version 2.10)

Various BBS utilities and enhancements
Several MORSE CODE Tutors
TheNet software by NORD><LINK (Version 1.01)
Modifications for many HAM Rigs and Scanners
Digital Signal Processing software (DSP)
DX and contesting programs
ARRL Newsletters & Gateway
W5YI Electronic Edition

There is much more available on the BBS, and I don't want to waste a lot of PACKET BBS space trying to list it all, so if you are interested give it a call and see for yourself !!!

If you are interested in using UUCP to connect to the BBS, this can also be done as I support Anon-uucp. The login to the system is 'uucpanon', and there is NO password. The listing of avalible archives are stored in a file called 'FILES', and it is located in the /usr/spool/uucppublic. To retrieve the files listing just use the following command:

```
uucp wb3ffv!~/FILES /usr/spool/uucppublic
```

This will move a copy of my files listing into your uucppublic directory. If you have any questions or problems, feel free to contact me at one of the numbers/adresses below. Good Luck...

```
-------------------------------------------------------------------------------
Internet  : howardl@wb3ffv.ampr.org  |    Howard D. Leadmon
UUCP      : wb3ffv!howardl       |    Advanced Business Solutions
TELEX     : 152252474            |    210 E. Lombard St - Suite 410
Telephone : (301)-576-8635       |    Baltimore, MD  21202
```

From -7005466935129355764
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,143ea2b64ef8b869
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 05:42:27 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!ucsd!pacbell.com!pacbell!att!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: _Pump Up the Volume_ bad for amateur radio?
Message-ID: <1080@tsdiag.ccur.com>
Date: 28 Aug 90 12:42:27 GMT
References: <144@ssc.UUCP> <3847@altos86.Altos.COM> <1077@tsdiag.ccur.com> <12397@sdcc6.ucsd.edu>
Organization: Concurrent Computer Corp. Oceanport NJ
Lines: 58
Posted: Tue Aug 28 13:42:27 1990

In article <12397@sdcc6.ucsd.edu> mark@kraken.ucsd.edu (Mark Anderson) writes:
>In article <1077@tsdiag.ccur.com> davet@tsdiag.ccur.com (Dave Tiller N2KAU) writes:

>>that interfere with my phone bother me. If the movie _pump up the volume_
>>depicts an unlicensed kid using an _amateur_ tranceiver to broadcast an
>>illegal radio program, then what frequencies do you think he'll be using?
>>_AMATEUR FREQUENCIES_!!! What frequencies will all of the copycat morons
>>be using? _AMATEUR FREQUENCIES_!!! That bothers me. If he's using an
>
>FLAME ON:
>Geez, what drugs are you taking, and where can I get some.
>

None, thank you.

>What a bizarre movie you've created. Directed by David Lynch/Ken
>Russell no doubt.
>

Stupid movie diatribe deleted.

>Read some movie reviews. Read the previous postings more carefully.
>But most importantly, connect with reality. _AMATEUR FREQUENCIES_!!!
>Yeah, right.
>

You give the general public too much credit. If a kid sees a radio in a movie that is shown to be able to make him more popular, don't you think he'd like to get one? And do you think the average kid (or ham, for that matter) is smart enough to know how to modify it into the bcast bands? I think not. So if a kid gets his hands on an HT, say, why wouldn't it seem perfectly logical to him that it should work? (Lets see, it's an 'amateur' radio, like the movie said, and it says FM on the side, humm, that must mean I can receive it on my FM radio!!!) Same goes for am radios and HF rigs. Believe me, the general public believes what the movies tell them about radios and what they can (and can't) do. Take a look at Die Hard 2, and tell me that those Kenwood radios can do all of that magical stuff the bad guys say they can do. They also believe Alf can take to his alien friends on the HF rig in the garage. I've seen and stopped more idiots kids of this type that think they're cool for using (usually stolen) ham equipment to jam/kerchuck repeaters. (I've been into radio since I was in junior high. I've seen this with my own eyes). Whether you choose to believe it or not, this kind of look-alike copycat mindset exists, and has caused (and will continue to cause) problems on the ham bands.

>Its too early in the morning. I really shouldn't be doing this. But,
>I just can't stop myself.
>

You're right on this point. You shouldn't be doing this. Flames are in bad taste, and represent the ignorant mind trying to express itself forcefully. If you wish to have your opinion taken seriously, do it in a calm and intelligent manner, not like a child in a tantrum.

--
David E. Tiller   davet@tsdiag.ccur.com | Concurrent Computer Corp.

```
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

From 8182545007382124467
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,143ea2b64ef8b869
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 05:54:11 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!zaphod.mps.ohio-state.edu!
swrinde!ucsd!pacbell.com!pacbell!att!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: _Pump Up the Volume_ bad for amateur radio?
Message-ID: <1081@tsdiag.ccur.com>
Date: 28 Aug 90 12:54:11 GMT
References: <9008221353.AA17393@tilde> <1078@tsdiag.ccur.com>
<1990Aug24.195312.1850@xanadu.com>
Organization: Concurrent Computer Corp. Oceanport NJ
Lines: 36
Posted: Tue Aug 28 13:54:11 1990

In article <1990Aug24.195312.1850@xanadu.com> jeff@xanadu.com (Jeff Crilly N6ZFX)
writes:
[Lots of my previous posting deleted.]
-For the record Dave, I tend to agree with you about not selling transmitters
-without proof of license.
-...
-Also, how could this law be enforced for mail-order houses? Would
-Amatuers be required to send a copy of their license to the the mail-order
-house before the equipment can be shipped?
Yes. I had to do it when I bought my ATV transmitter from PC electronics.
(I wasn't in the callbook. If you're current in the callbook, they'll look
you up. I just faxed a copy and that was that.)
-
-Incidently, there is no reason an
-orginization with a business license can't buy ham gear and have it
-modified to use on their assigned frequencies, and use it.

I'm not sure, but do radios have to be type accepted for business use?

-
-Thanks for letting me jump in with my $0.03 worth.
Of course. Intelligent discussion is always welcome. Flames are useless.
Thanks for being a voice of reason and calmness in a sea of yelling children.

-Jeff Crilly (N6ZFX)
-AMIX Corporation
-2345 Yale Street
-Palo Alto, CA 94306
-jeff@amix.com, {uunet,sun}!markets!jeff

```
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

From 1179296769456838558
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e70b1cd1de3fe815
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 06:05:52 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!pacbell.com!pacbell!att!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: More on "Pump up the volume"
Message-ID: <1082@tsdiag.ccur.com>
Date: 28 Aug 90 13:05:52 GMT
References: <19977@orstcs.CS.ORST.EDU>
Organization: Concurrent Computer Corp. Oceanport NJ
Lines: 22
Posted: Tue Aug 28 14:05:52 1990

In article <19977@orstcs.CS.ORST.EDU> mcdermj@jacobs.cs.orst.edu (JEREMY MC-DERMOND) writes:
>I agree with all who think this movie gives us an advantage because of the
>publicity it gives.

Jeremy, I agree with you 100% as long as its _positive_ publicity we get.
If parents start yelling 'So that's what those guys with the towers are doing.
Trying to brainwash our kids. Let's outlaw them!' I'd worry. I don't expect
to see this happening, but whenever parents have the slightest idea that their
kids may be in danger, the go non-linear. (And rightly so in some cases.)
I'm really glad you've got your license and are active in the hobby. You're
right - people your age do represent the future of the hobby, and I hope
that more folk like you get interested in the hobby. (whether they like CW
or not :-)) This movie is causing quite an uproar, and as you've probably
seen, I've gotten lots of flames from people who don't see things the same
way that I do. I'm glad to see that at least one young person has his head
on straight and respects the FCC rules and ham radio ethics. Good luck and
73 de...

```
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

From -2708881613094079700
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,988349ca4c4e0a85
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 07:49:52 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9008281326.AA05327@tilde>
Date: 28 Aug 90 13:26:15 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Tue Aug 28 14:26:15 1990

From: CPDVAX::DUBE   21-AUG-1990 13:57:18.29
To: TILDE::"info-hams@uscd.edu"
CC: DUBE
Subj: What's a Techie?

Discussions of new licensing plans have been replete with references to "techies" and "ultra-techies". Will someone please define these terms? Are we talking about people who can design and build superhets? Someone who knows how to string together computer equipment? Someone who can design a functional antenna system for 23CM? Who are these people and what are the qualifications for becoming one?
I might be a "closet techie" and not know it.

73,   Dube   N5PDK

From -5468855089352764291
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,680049e31c13fabe
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 09:16:37 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!hplabs!hpcc01!hp-ptp!kenb
From: kenb@hp-ptp.HP.COM (Ken Buscho)
Newsgroups: rec.ham-radio
Subject: Re: LORAN and Ham Radio
Message-ID: <2700014@hp-ptp.HP.COM>
Date: 28 Aug 90 00:03:30 GMT
References: <1990Aug2.164543.16200@sq.sq.com>
Organization: HP Pacific Technology Park - Sunnyvale, Ca.
Lines: 12
Posted: Tue Aug 28 01:03:30 1990

Thanks for a good article on LORAN; it helped to take away some of the "magic" aspect of the thing. I've got a fairly cheap handheld unit that I carry along in the backcountry just for the hell of it to see what it will do. Grounding it properly makes all the difference in the difference in the world between results and nothing at all!

Can you point me to any literature on LORAN? I'd like to learn more

about it. This receiver requires 3 signals to get a fix; is there
any way I can do it with just two? I'd appreciate info. Thanks!

Ken

From 8823354684372286122
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bd4cc2cc2d7f756,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 09:20:37 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!samsung!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: transmitting without a license?
Message-ID: <7764@helios.TAMU.EDU>
Date: 28 Aug 90 14:37:05 GMT
References: <22480015@hpcuha.HP.COM>
Sender: usenet@helios.TAMU.EDU
Organization: Computer Science Department, Texas A&M University
Lines: 17
Posted: Tue Aug 28 15:37:05 1990

>
>Bonus question for legal types: is CW a legal mode in the CB (11 meter)
>band?
>

Having listened to CB lately, it is my opinion that the FCC doesn't
really care what type of emissions are used.

I would hardly expect that CW would stand out from all the other
noises being generated at 11 meters.

Actually, I wish computer hobbyists would start running packet on
CB. Then maybe it will get some worthwhile use.

bill   KB3YV

From -2987606414999121135
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,143ea2b64ef8b869
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 09:30:37 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!mips!prls!pyramid!infmx!randall
From: randall@infmx.UUCP (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: _Pump Up the Volume_ bad for amateur radio?

Message-ID: <5068@infmx.UUCP>
Date: 28 Aug 90 02:08:14 GMT
References: <9008221353.AA17393@tilde> <1078@tsdiag.ccur.com>
<16107@oolong.la.locus.com>
Reply-To: randall@infmx.UUCP (Randall Rhea)
Organization: Informix, Menlo Park, Ca. U.S.A.
Lines: 9
Posted: Tue Aug 28 03:08:14 1990

I saw the film Friday. It has nothing to do with ham radio, in fact, the words "ham radio" are never mentioned. The film is essentially a sociological study of boredom among teenagers in suburbia. It was a good movie until it decended into stereotype characters/situations towards the end.

It was not plausible technically, unless you can figure out how to alter a "shortwave set" to broadcast on 92.5 mHz.

-Randall KK6MY

From 1414854320616596540
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ebd38c001a5c318f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 09:46:18 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!usc!ucsd!nosc!marlin!price
From: price@marlin.NOSC.MIL (James N. Price)
Newsgroups: rec.ham-radio
Subject: Re: CT Logging Program Query
Message-ID: <1469@marlin.NOSC.MIL>
Date: 28 Aug 90 15:26:21 GMT
References: <1990Aug27.183048.25813@ibmpcug.co.uk>
Reply-To: price@marlin.nosc.mil.UUCP (James N. Price)
Organization: Naval Ocean Systems Center, San Diego
Lines: 18
Posted: Tue Aug 28 16:26:21 1990

Gareth--the CT program is specific to the CQ WW, ARRL DX, and WAE contests. And believe me, it's a pleasure to use in any of them. It can surely be used from anywhere in the world.

BUT it's not the kind of program one would want to modify. The quintessential, generic contest logging program has yet to be written, if it ever can be--and many of us are waiting for it. The biggest problem is that each contest has a different set of multipliers and that database has to be created and queried by the logging program. It would laborious to say the least to manually enter the multiplier database for, All Asia, SEANET, or some of the smaller DX contests, for example.

Again let me emphasize that the CT program is EXCELLENT, but it is limited to 3 contests at this time.

--Jim, K6ZH

From -1856470255546110159
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c2ddc9030e5b47c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 10:14:53 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!ucsd!sdcc6!kraken!mark
From: mark@kraken.ucsd.edu (Mark Anderson)
Newsgroups: rec.ham-radio
Subject: _Pump Up the Volume_ and the press
Message-ID: <12440@sdcc6.ucsd.edu>
Date: 28 Aug 90 16:06:13 GMT
Sender: news@sdcc6.ucsd.edu
Organization: none
Lines: 17
Posted: Tue Aug 28 17:06:13 1990
Nntp-Posting-Host: kraken.ucsd.edu

(blowing on embers)

Now that we've established that _Pump Up the Volume_ has nothing to do with ham radio, maybe we can educate the press.

From
  'Pump' bounces with teen angst
  By Bob Thomas
  The Associated Press

He tries to reach his East Coast buddies via ham radio. Instead, he happens on a frequency that broadcast to his fellow students in Arizona.
-----

mark

From -6578445840818319661
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bd4cc2cc2d7f756
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 10:20:45 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!wuarchive!udel!freezer!masters
From: masters@freezer.it.udel.edu (paul masters)
Newsgroups: rec.ham-radio
Subject: Re: transmitting without a license?
Message-ID: <28708@nigel.ee.udel.edu>
Date: 28 Aug 90 16:45:42 GMT
References: <22480015@hpcuha.HP.COM> <7764@helios.TAMU.EDU>
Sender: usenet@ee.udel.edu

Reply-To: masters@freezer.it.udel.edu (paul masters)
Organization: University of Delaware -- 040 Smith Sun Lab
Lines: 23
Posted: Tue Aug 28 17:45:42 1990
Nntp-Posting-Host: pineapple.it.udel.edu

In article <7764@helios.TAMU.EDU> billg@cs.tamu.edu (William Gunshannon) writes:
>
>
>>
>>Bonus question for legal types: is CW a legal mode in the CB (11 meter)
>>band?
>>
>

No it is not. Rules say you must transmit in plane english, and at 5 watts or less. But, FCC really doesn't care what you actually transmit, or how much power you use in that band. I know people who regularly send at 100 watts of power. It's most anoying since you can here them across 10 or more chanels.

Paul

--
I will not waste chalk..I will not skateboard down the halls..I will not burp in class..I will not instigate revolution..I will not draw naked ladies in class..I did not see Elvis..I will not call my teacher "Hot Cakes".. Garlic gum is not funny..They are Laughing at me, not with me.....

From 6672614906445687270
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f82abb2c6336b587,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,f82abb2c6336b587,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-08-28 12:31:06 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio,sci.electronics
Subject: 1296 MHz receiving and transmitting convertors?
Message-ID: <18010@ucsd.Edu>
Date: 28 Aug 90 17:24:12 GMT
Followup-To: rec.ham-radio
Organization: The Avant-Garde of the Now, Ltd.
Lines: 18
Xref: gmdzi rec.ham-radio:14389 sci.electronics:8166
Posted: Tue Aug 28 18:24:12 1990

Rather than design and debug my own, I'd like to find a source of kits or modules to convert between the 2m and 1296 MHz ham bands. The application is to build a repeater using an inexpensive 2m exciter and

receiver with the channel frequencies being in the 1282 (tx) and 1262
(rx) area.

I've got about 100 mw of 2m to upconvert; then I'll amplify it to the
proper output power. The receiver is 2m also, and quite sensitive.

This is FM, so a linear mode isn't necessary. The receiving converter
and transmitting converter would be best separate so I can operate them
simultaneously and shield them from each other.

Any suggestions as to suppliers, or experience with particular models
you've used?

Recommendations on a duplexer would also be appreciated.
     - Brian

From 190212150565408044
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b81781d73bef875,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 12:33:03 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!NISD.CAM.UNISYS.COM!doug
From: doug@NISD.CAM.UNISYS.COM (Doug Hardie)
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V90 #201
Message-ID: <9008281809.AA08297@KRONOS.NISD.CAM.UNISYS.COM>
Date: 28 Aug 90 18:09:07 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Tue Aug 28 19:09:07 1990

Subject: Ham plates in CA
I have had my call on two cars at the same time. When I was in the
Air Force, I would keep one of my cars registered in CA (with ham plates)
and register the other in the state where I was stationed (ham plates also).
My legal home has always been CA so that is legal. Made it easy to remember

A friend tried to register his car where he was stationed but without bothering
to find out the rules for ham plates. He tried to do it as a vanity plate,
and was not permitte since it was a reserved (for hams). His call was from
a completely different area so it was surprizing they cought it.

-- Doug WA6VVV

From -1148593452739740652
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3ba5bf682ae6067,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 13:39:51 PST

Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!emory!
mephisto!mcnc!decvax.dec.com!zinn!ubbs-nh!wa1omm!paul
From: paul@wa1omm.UUCP (Paul MacDonald)
Newsgroups: rec.ham-radio
Subject: Kenwood TM-321A
Message-ID: <paul.4426@wa1omm.UUCP>
Date: 28 Aug 90 20:39:51 GMT
Lines: 21
Posted: Tue Aug 28 21:39:51 1990

I have a Kenwood TM-321A that I have been using for packet. It runs 24 hours a day. Recently the center segment of the S-meter disappeared. A few days later the light on the right side of the display disappeared, and now the left side has gone out leaving the display dark. Is anyone familiar with the innards of this rig? If so do you know if the display unit is a replaceable part, and does it come with lighting?

Thanks.
--

```
                                /\  /\
                               //\\//\\
            +--------------------------------------------+
            | From the shack of WA1OMM -- Paul MacDonald |
            | Using the power of the multitasking Amiga! |
            |                                            |
            | Compuserve: 70411,626   PLink:  UPPERCRUST |
            | Amateur Packet Radio:   WA1OMM@KB4N.NH.USA |
            +--------------------------------------------+
                               \\//\\//
                                \/  \/
```

From 3803400902574565243
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ce89d52c037730df,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 13:40:37 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!emory!
mephisto!mcnc!decvax.dec.com!zinn!ubbs-nh!wa1omm!paul
From: paul@wa1omm.UUCP (Paul MacDonald)
Newsgroups: rec.ham-radio
Subject: Shortwave Listening
Message-ID: <paul.4430@wa1omm.UUCP>
Date: 28 Aug 90 20:40:37 GMT
Lines: 14
Posted: Tue Aug 28 21:40:37 1990

Is there an SWL newsgroup out there?
--

```
                                /\  /\
                               //\\//\\
            +--------------------------------------------+
            | From the shack of WA1OMM -- Paul MacDonald |
            | Using the power of the multitasking Amiga! |
            |                                            |
            | Compuserve: 70411,626   PLink:  UPPERCRUST |
            | Amateur Packet Radio:   WA1OMM@KB4N.NH.USA |
            +--------------------------------------------+
                               \\//\\//
                                \/  \/
```

From 3226589831330226065
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,143ea2b64ef8b869
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 14:04:32 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: _Pump Up the Volume_ bad for amateur radio?
Message-ID: <44338@apple.Apple.COM>
Date: 28 Aug 90 18:18:28 GMT
References: <9008221353.AA17393@tilde> <1078@tsdiag.ccur.com>
<16107@oolong.la.locus.com> <5068@infmx.UUCP>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 15
Posted: Tue Aug 28 19:18:28 1990

randall@infmx.UUCP (Randall Rhea) writes:

>It was not plausible technically, unless you can figure out how to
>alter a "shortwave set" to broadcast on 92.5 mHz.

This simply begs for a flame from Bob Carpenter! :-)
Unless, of course, the author meant modifying an HF set to
transmit in the EEELF region. Wonder if Part 15 covers
the 3,000,000 kilo-meter band. :-) :-)

Best wishes's (hey, if people can sign 73's, I can say "best wisheses" :-)

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From -574927437926148861
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,997d5470096e77b0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 14:07:35 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!decwrl!elroy.jpl.nasa.gov!hydra!jta
From: jta@hydra.Jpl.Nasa.Gov (Jon T. Adams)
Newsgroups: rec.ham-radio

Subject: Re: Ham car license plates in CA
Message-ID: <1990Aug28.182932.5397@elroy.jpl.nasa.gov>
Date: 28 Aug 90 18:29:32 GMT
References: <9008201720.AA03242@hls.com> <30500704@ux1.cso.uiuc.edu>
<1990Aug28.024145.12693@mthvax.cs.miami.edu>
Sender: news@elroy.jpl.nasa.gov (Usenet)
Organization: Jet Propulsion Laboratory, Pasadena, CA
Lines: 20
Posted: Tue Aug 28 19:29:32 1990
Nntp-Posting-Host: hydra.jpl.nasa.gov

In article <1990Aug28.024145.12693@mthvax.cs.miami.edu> wb8foz@mthvax.cs.miami.edu (David Lesher) writes:
>There IS one advantage to call-plates as yet unmentioned here:
>   parking tickets
>

And there was the time in 1976 when we were all going through the gas crunch and I had the California plates "WA6IRH". In California, at least, we had the "even-odd" system for filling up your gas tank - even numbered plates got to fill up on even days, and odd on the odd. If there were no numbers in your plate the plate was considered to be "odd" (in more ways that one, it would seem). So, since the "6" (number six) looked like a letter G to most all station attendants, I could get a fillup on either day through persuasion.

-jon

--
Jon Trent Adams, NW6H |"As nightfall does not come at once, neither
JTA@hydra.jpl.nasa.gov | does oppression... It is in such twilight that
"jpl don't know me from squat"| we all must be most aware of change in the air-
however slight- lest we become unwitting victims of the darkness." W.O. Douglas

From 8512070320425861384
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,333ab682eb545434
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 14:17:24 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!joehol
From: joehol@microsoft.UUCP (Joseph HOLMAN)
Newsgroups: rec.ham-radio
Subject: Re: Satellite Tracking Software query
Summary: satellite software
Message-ID: <56993@microsoft.UUCP>
Date: 28 Aug 90 15:28:18 GMT
References: <10222@hubcap.clemson.edu>
Organization: Microsoft Corp., Redmond WA
Lines: 15
Posted: Tue Aug 28 16:28:18 1990

In article <10222@hubcap.clemson.edu>, bjb@hubcap.clemson.edu (BJ Backitis) writes:

> Also, does anyone know if AMSAT will take a phone order with a credit
> card?

yup, they will: phone is: 301-589-6062 - tell martha joe sent ya :-)

>
> Also ^2, I'm not currently an AMSAT member, which means an extra $20 on
> the cost of either of the two packages. The annual dues are $30, which

the money is for the quarterly technical journal, discounts
on software and some books; and to support upcoming satellite projects.
you might as well buck-up the $10 - its goes for a good cause.

Joe Holman, KA7LDN

From -3287873043694861335
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,333ab682eb545434
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 14:43:27 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!emory!hubcap!bjb
From: bjb@hubcap.clemson.edu (BJ Backitis)
Newsgroups: rec.ham-radio
Subject: Re: Satellite Tracking Software query
Message-ID: <10236@hubcap.clemson.edu>
Date: 28 Aug 90 19:36:50 GMT
References: <56993@microsoft.UUCP>
Organization: Clemson University, Clemson, SC
Lines: 28
Posted: Tue Aug 28 20:36:50 1990

From article <56993@microsoft.UUCP>, by joehol@microsoft.UUCP (Joseph HOLMAN):
> In article <10222@hubcap.clemson.edu>, bjb@hubcap.clemson.edu (BJ Backitis)
writes:
>> Also, does anyone know if AMSAT will take a phone order with a credit
>> card?
> yup, they will: phone is: 301-589-6062 - tell martha joe sent ya :-)

Yup... they did! Did it yesterday... Martha was very helpful, too!
>
> the money is for the quarterly technical journal, discounts
> on software and some books; and to support upcoming satellite projects.
> you might as well buck-up the $10 - its goes for a good cause.

I agree... even though I probably won't be able to get on the birds for
some time to come, I went ahead and joined. After all, I want there to
be satellites up and working by the time I get to use them!

Thanks for all the replies I've had to my query. I had a hard time
choosing the tracking software, but InstantTrack won out (I'll probably
end up getting QuickTrack for the Clemson ARC).

73 de BJ, KM4RB

```
--
BJ Backitis (KM4RB)       | BJB@CLEMSON.BITNET     | "There are a great many
Info. Systems Development | BJB@HUBCAP.CLEMSON.EDU | people in this country
Clemson Univ. Division of | {...}!emory!hubcap!bjb | who, through no fault of
Comp. & Info. Technology  | All usual disclaimers  | own, are sane."
```

From -5278428460628363851
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,45c77a3f679c1f53,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 15:25:05 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!D15VS178A.SPACE.SWRI.EDU!ROsman%ASS%SwRI05
From: ROsman%ASS%SwRI05@D15VS178A.SPACE.SWRI.EDU
Newsgroups: rec.ham-radio
Subject: Novice Test Generator
Message-ID: <9008282042.AA01156@ucsd.edu>
Date: 28 Aug 90 20:35:19 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Tue Aug 28 21:35:19 1990

I have a PUBLIC DOMAIN copy of W5YI's novice test generator software. They sell test generator's for use by VE's etc. This is an example copy, and it works well.

Any suggestions where I should FTP it to? Simtel-20 comes to mind, but I'm not sure of the rules, I assume that there is an upload directory or something similar.

Oz (Rich Osman, WB0HUQ)
INTERNET: ROsman%ASS%SwRI05@D15VS178A.SPACE.SwRI.EDU

From -7319787965492399044
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11c3f1522a1e9094,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 17:45:53 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!ncar!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: IC-24 Expanded Transmit Range
Message-ID: <4247@qip.UUCP>
Date: 28 Aug 90 16:15:06 GMT
Reply-To: john@qip.UUCP (John Moore)

```
Organization: Anasazi Inc, Phoenix AZ
Lines: 16
Posted: Tue Aug 28 17:15:06 1990

If you are like me, you are eagerly looking for an article telling you
how to open up the transmit frequencies on the IC-24. I have need of
transmitting in the ranges 140-144 and 148-150 MHz on military frequencies
for which such equipment is needed. I'd also like to transmit in the 420 band
for work on link equipment. I suspect lots of other folks have the same
need.

Now for the bad news: as far as I can tell, there is NO mod to open
the transmit range of the IC-24! If you know differently, please tell me.
If this is true, I think we should all complain to ICOM.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326         Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!


From -3758067403479787036
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b81781d73bef875
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 18:11:55 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!ernie.viewlogic.com!curly!alan
From: alan@curly.Viewlogic.COM (Alan Medsker)
Newsgroups: rec.ham-radio
Subject: Re:  Info-Hams Digest V90 #201
Message-ID: <1990Aug28.173107@curly.Viewlogic.COM>
Date: 28 Aug 90 21:31:07 GMT
References: <9008281809.AA08297@KRONOS.NISD.CAM.UNISYS.COM>
Sender: news@viewlogic.com (News Administrator)
Reply-To: alan@curly.Viewlogic.COM (Alan Medsker)
Organization: Viewlogic Systems, Inc., Marlboro, MA
Lines: 20
Posted: Tue Aug 28 22:31:07 1990

A little survey:

How much extra does it cost to do Ham plates in the state you're in?

Here in Mass., it's the same as vanity plates (I got tired of the
extra $50 or whatever it is and finally bagged them--figured that
it was more important to give that $50 to a worthwhile cause!).
--
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Alan Medsker                                         Viewlogic Systems, Inc.
Voice: (508) 480-0881                                293 Boston Post Road West
Fax: (508) 480-0881                                  Marlboro, MA  01752
Internet: amedsker@Viewlogic.COM
```

cc:Mail: Alan Medsker at Viewlogic
CI$: 76376,662
BIX: amedsker
2 Meters: WB0SQR
=-=
My opinions, of course. And don't hold me to them.
=-=

From -7258777751617385213
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,333ab682eb545434
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 18:12:19 PST
Path: gmdzi!unido!mcsun!uunet!samsung!know!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!aplcen!haven!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: Satellite Tracking Software query
Message-ID: <765@idacrd.UUCP>
Date: 28 Aug 90 20:48:08 GMT
References: <10222@hubcap.clemson.edu>
Organization: idacrd, princeton, nj
Lines: 17
Posted: Tue Aug 28 21:48:08 1990

From article <10222@hubcap.clemson.edu>, by bjb@hubcap.clemson.edu (BJ Backitis):
>
> I'm getting ready to purchase software for my IBM (clone) PC... 386,
> 25MHz, no co-processor, Super VGA (800x640). I've narrowed the choices
> down to InstantTrak and QuickTrack (both available thru AMSAT), but I'm
>

I wrote Quiktrak, buy Instantrack.

Bob

--

    My opinions are my own no matter | Robert W. McGwier, N4HY
    who I work for! ;-) | CCR, AMSAT, etc.

From 8789158569760348886
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11c3f1522a1e9094
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 19:04:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!
hpb
From: hpb@unix.cis.pitt.edu (Harry P Bloomberg)

Newsgroups: rec.ham-radio
Subject: Re: IC-24 Expanded Transmit Range
Message-ID: <32818@unix.cis.pitt.edu>
Date: 28 Aug 90 22:59:47 GMT
References: <4247@qip.UUCP>
Reply-To: hpb@unix.cis.pitt.edu (Harry P Bloomberg)
Organization: Univ. of Pittsburgh, Panther Amateur Radio Club
Lines: 17
Posted: Tue Aug 28 23:59:47 1990

In article <4247@qip.UUCP> john@qip.UUCP (John Moore) writes:
>If you are like me, you are eagerly looking for an article telling you
>how to open up the transmit frequencies on the IC-24. I have need of
>transmitting in the ranges 140-144 and 148-150 MHz on military frequencies
>for which such equipment is needed. I'd also like to transmit in the 420 band
>for work on link equipment. I suspect lots of other folks have the same
>need.
>
I'm posting because mail to you bounced.

My IC-24AT will transmit in 140-144 and 148-150. I've had mine for about a month, so perhaps earlier models were slightly different.

73,
Harry Bloomberg, WA3TBL
hpb@hpb.cis.pitt.edu
hpb@vms.cis.pitt.edu

From -4850954774324605549
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,997d5470096e77b0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 19:10:25 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ogicse!plains!bezenek
From: bezenek@plains.NoDak.edu (Todd M. Bezenek KO0N)
Newsgroups: rec.ham-radio
Subject: Re: Ham car license plates in CA
Message-ID: <5706@plains.NoDak.edu>
Date: 28 Aug 90 22:33:01 GMT
References: <9008201720.AA03242@hls.com> <30500704@ux1.cso.uiuc.edu>
Organization: North Dakota State University, Fargo
Lines: 18
Posted: Tue Aug 28 23:33:01 1990

In article <30500704@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>
>While the magmount antenna LOOKS more like it can be stolen, the permanent
>antenna installations can still have at least the whip and spring portion
>taken. I guess that is less of a loss, and less likely to happen, but it
>would be a hassle in any case.
>
>--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society

><phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

I was surprised by this myself: The 1/4 wave whips for my permanent
mount cost $3.00 to replace and take about 10 miniutes to cut, install,
and tune.
--
```
Todd Michael Bezenek                Internet:  bezenek@plains.nodak.edu
Amateur Radio Station KO0N          UUCP:      uunet!plains!bezenek
                                    Bitnet:    bezenek@plains
                                               NU040889@ndsuvm1
```

From -3291020953524146206
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,425469057b2575b8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 19:49:08 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Re: transmitting without a license
Message-ID: <9008282113.AA17143@tilde>
Date: 28 Aug 90 21:13:56 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Tue Aug 28 22:13:56 1990

Bill Gunshannon has a great idea! Since the anarchy on 11 meters is quite
beyond the capability of the FCC to control, they have just abandoned all
efforts. Adding a load of packet activity probably won't be noticed, and
certainly won't be any worse than the activity already there.
73,   Dube   N5PDK

From 1536858108309895959
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ebd38c001a5c318f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 20:00:19 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!uwm.edu!psuvax1!husc6!bunny!dhp1
From: dhp1@GTE.COM (Dave Pascoe)
Newsgroups: rec.ham-radio
Subject: Re: CT Logging Program Query
Message-ID: <9658@bunny.GTE.COM>
Date: 28 Aug 90 22:06:24 GMT
References: <1990Aug27.183048.25813@ibmpcug.co.uk> <1469@marlin.NOSC.MIL>
Organization: GTE Laboratories, Waltham MA
Lines: 31
Posted: Tue Aug 28 23:06:24 1990

In article <1469@marlin.NOSC.MIL> price@marlin.nosc.mil.UUCP (James N. Price)

writes:
>-----
>Gareth--the CT program is specific to the CQ WW, ARRL DX, and WAE
>contests. And believe me, it's a pleasure to use in any of them.
>It can surely be used from anywhere in the world.
>
>(stuff deleted)
>
>Again let me emphasize that the CT program is EXCELLENT, but it is
>limited to 3 contests at this time.

CT is indeed a pleasure to use....the later versions support a few more contests than the earlier versions did. The list of contests now supported are as follows:

CQWW DX
ARRL DX
CQ WPX
ARRL Sweepstakes (beta version still being tested)
ARRL VHF
Worked All Europe (WAE) DX

```
--
Dave Pascoe      |  Internet: pascoe@edcd.gte.com
KM3T             |            dhp1@gte.com
                 |      UUCP: ..!{harvard}!gte.com!dhp1
```

From 3430774563104066175
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,988349ca4c4e0a85
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 20:20:45 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!sun-barr!decwrl!ucbvax!
cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9008282152.AA18317@tilde>
Date: 28 Aug 90 21:52:25 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18
Posted: Tue Aug 28 22:52:25 1990

From: CPDVAX::DUBE   28-AUG-1990 16:39:29.20
To: INFOHAMS
CC: DUBE
Subj: Re: LORAN and Ham Radio

According to "Reference Data for Radio Engineers" (1977, Howard W. Sams),
there are 4 types of LORAN: A, B, C, and D. A is

there are 3 types of LORAN: A, C, and D. A uses pulse envelopes at 2 MHz
and is usable to several hundred miles; C uses 100-KHz coherent pulses and
is usable to over 1000 miles; and D is a short-range version of C. All
three systems require at least three transmitters.

This is a very simple description, and the book doesn't give any references.
It does show the assigned frequency ranges as 90-110 KHz for L-C and -D,
and 1800-2000 KHz for L-A.

73,   Dube   N5PDK

From 1505054343560879388
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ce7a1f51c33f1cba
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 20:50:29 PST
Path: gmdzi!unido!mcsun!uunet!rayssd!raybed2!ewb
From: ewb@raybed2.msd.ray.com (EUGENE BALINSKI)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: Reorganizing rec.radio
Summary: NO !
Message-ID: <1746@raybed2.msd.ray.com>
Date: 28 Aug 90 13:39:06 GMT
References: <14885@shlump.nac.dec.com>
Organization: Raytheon Co., Tewksbury, Mass.
Lines: 40
Posted: Tue Aug 28 14:39:06 1990

In article <14885@shlump.nac.dec.com>, elkind@nodename.dec.com (Steven A. Elkind)
writes:
>
> In article <662@entec.Wichita.NCR.COM>, kthompso@entec.Wichita.NCR.COM (Ken
Thompson) writes...
> >In a word no!
> >No more splinter groups please.
> >It is very easy now to pick out the things one is interested in reading.
> >If more groups...subsgroups if you will...are created we will just get more
> >of this repetitive cross-posting. Subscription to all the new groups would
> >be needed to not miss threads of discussion.
> >
> >--
> >Ken Thompson   N0ITL
>
> My sentiments exactly. I like the way threads mutate over time, and with
> splinter groups I'd miss some interesting stuff.
>
> I vote NO.
>

> de Steve Elkind KB1RB

I also vote NO for the same reasons. If you don't like the title of a posting use the "n" key.

Gene WA1UXA

DAYTON '91 !!!

From -7762631833311676527
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe89040f7508c734
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 20:51:14 PST
Path: gmdzi!unido!mcsun!uunet!rayssd!raybed2!ewb
From: ewb@raybed2.msd.ray.com (EUGENE BALINSKI)
Newsgroups: rec.ham-radio
Subject: Re: Mag mounts vs. drilled mounts (Was Re: Ham car license plates in CA)
Summary: Real Hams drill holes
Message-ID: <1748@raybed2.msd.ray.com>
Date: 28 Aug 90 13:58:10 GMT
References: <9008201720.AA03242@hls.com> <7880258@hpfcdc.HP.COM>
<44305@apple.Apple.COM>
Organization: Raytheon Co., Tewksbury, Mass.
Lines: 68
Posted: Tue Aug 28 14:58:10 1990

In article <44305@apple.Apple.COM>, winter@Apple.COM (Patty Winter) writes:
> In article <17868@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
> >
> >MAG-MOUNTS??!?!
> >
> >
> >Seriously, mag-mounts are sh**ty antennas. You usually get superior
> >performance by DRILLING a HOLE in the car and doing a real installation.
>
> Maybe so, but in many cases people might not *need* superior performance.
> I've gotten along just fine for years with mag mounts. Unless you're

> marginal into the repeater (or into the other station if you're working
> simplex), who needs the extra oomph?
>
> I thought that drilling a hole in my 1971 Opel GT wouldn't be traumatic
> since it was so old and a little banged up. But after I did it, I swore
> I'd never do that to a car again.
>
> It all comes down to needs and priorities. If mag mounts or clip-ons
> are working fine, why drill holes?
>
> Patty
> **
> Patty Winter N6BIS   INTERNET: winter@apple.com
> **

Real Hams drill holes, or have them drilled for them. The installation of the radio in the car is much neater and less of a kludge. No more coax snaked into the window, down the back seat etc. No more worrying if the door was closed on the coax.

BTW to clairfy one other myth, drilling HOLES does not usually detract from the trade in value of an auto. True story to follow:

There was this ham with a hole drilled in his car. The car was fairly new but he felt it time for a new one. He was negotiating the deal when the salesperson noticed the antenna mount on his car. The salesperson mumbled about having to take it out, costing a lot of money for the work, and so he would have to take off $750.00 to $1000.00 from the trade. The ham was appauled, but thinking rapidly said to the sales person, "a thousand less ??!! No, You mean $500.00 MORE !" The salesman was alarmed and puzzled. The ham went on to explain thet the car was "already wired for a cell phone antenna".

And so it went. Next week the ham drove by the dealer and there was the car for sale with a large sign proclaiming "wired for cell phone !"

73
Gene WA1UXA

DAYTON '91 !

```
From 1943572979724792371
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df3284a9dc5bbb7d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 21:41:47 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!dali.cs.montana.edu!
ogicse!intelhf!agora!parsely!psueea!psueea.ee.pdx.edu!scottp
From: scottp@eecs.cs.pdx.edu (Scott Peterson)
Newsgroups: rec.ham-radio
Subject: Metropolitan Area Positioning System
Message-ID: <SCOTTP.90Aug28101844@eecs.cs.pdx.edu>
Date: 28 Aug 90 18:18:44 GMT
Sender: news@psueea.UUCP
Distribution: rec
Organization: Portland State University, CS Dept.
Lines: 64
Posted: Tue Aug 28 19:18:44 1990
```

I recently read an article from QEX about DSSS, and the use of vertical retrace from a local TV station to synchronize the noise generators. That eventually gave me a totally different idea ...

I can see where it would be useful for packet nodes to know their location to within a few hundred meters. Besides helping the operator when they get lost looking for a garage sale, it helps the terminal know what cell it's in in a cellular access system.

If there were several beacons in a city which can be received simultaneously, and for which the positions are known with high accuracy, a receiver ought to be able to determine its location. This requires that it know its initial position, and that it notices discontinuities in beacon patterns. It also requires a protocol for mobile stations to query permanent stations for certain local parameters. (I haven' figured out yet whether it's possible with a sceme like this for a station to completely determine its position with the help of one or two permanent stations. If so, it would greatly ease the configuration of a metro area LAN. Only a few of the fixed stations would have to get out the survey maps and determine their position to within 1m.)

The two regular beacons I can think of are the vertical retrace of all the local TV stations (6 here in PDX, 7 if you can hear Salem), and all the stereo beacons of all the local FM stations (a dozen or two).

With both of these beacons the problem for positioning is that you can only determine delta-x and -y from some known starting position. You must then watch it change and update your position accordingly. With the 19kHz stereo beacons, there is the additional problem that one cycle of 19kHz propagates about 10km before the next cycle starts. That means that if you stop listening in a moving car, you may have the wrong idea of where you are when you start again. The problem with vertical retrace is that the relationship of this between stations may change instantaneously when a station switches to another program (network feed from tape, etc.). Receivers would have to monitor several stations to notice this and apply corrections.

The Really Big Problem with both is the regularity of the beacon. Someone told me that the frame rate for color broadcast is not the same as for B&W. In any case, TV's should be relatively immune to irregularities since they resync for every frame (within limits). For the 19kHz stereo beacon, much averaging may have to be done to get a useful time reference. It may still be bogus if the beacon drifts around as humidity, temp, or phase of the moon (i.e. slowly).

Do these signals tend to be generated by crystal controlled devices? If so they may be regular enough for positioning. The thing is, unless regularity is required by the FCC, there's no reason for broadcast equipment makers to design it in.

My question to all of you (yes, finally, the point :-)) is what is the accuracy of the vertical retrace signal and the 19kHz stereo beacon? What is required, and what is usually there. If some of you have worked in the broadcast industry, you may know this off the top of your head. (I'd have to bring a scope home from work and open up the stereo to figure it out, and what I find may not be generally true.) References to appropriate documentation are greatly appreciated.

To get positioning info accurate enough to tell what cell you're in, beacon accuracy of a few uS is needed. To tell what road your car is on, beacon accuracy in the tens of nanoseconds is required. I have a feeling these beacons in the broadcast band aren't even close.

Thanks in advance,
--- Scott Peterson
    scottp@eecs.cs.pdx.edu

From -9180910854685852785
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bd4cc2cc2d7f756
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 22:33:14 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!shelby!neon!kaufman
From: kaufman@Neon.Stanford.EDU (Marc T. Kaufman)
Newsgroups: rec.ham-radio
Subject: Re: transmitting without a license?
Message-ID: <1990Aug29.020029.16814@Neon.Stanford.EDU>
Date: 29 Aug 90 02:00:29 GMT
References: <22480015@hpcuha.HP.COM> <7764@helios.TAMU.EDU>
<28708@nigel.ee.udel.edu>
Organization: Computer Science Department, Stanford University
Lines: 6
Posted: Wed Aug 29 03:00:29 1990

In article <28708@nigel.ee.udel.edu> masters@freezer.it.udel.edu (paul masters)
writes:
>No it is not. Rules say you must transmit in plane english,...

Another reason to take up flying.

Marc (kaufman@Neon.stanford.edu)

From -5573382505727892991
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ce7a1f51c33f1cba
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 23:06:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!
ucbvax!hplabs!hpfcso!hpfcdc!richard
From: richard@hpfcdc.HP.COM (Richard Artz)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: Reorganizing rec.radio
Message-ID: <7880260@hpfcdc.HP.COM>
Date: 29 Aug 90 06:06:16 GMT
References: <1990Aug20.171157.11560@portia.Stanford.EDU>
Organization: HP Fort Collins, Co.
Lines: 49
Posted: Wed Aug 29 07:06:16 1990

Hi Phil,

>1. Since when was there a "forsale" group? I've never see this one added.
>   The discussion that created .swap considered that named and chose this
>   one instead.

Sorry, there's a group here by that name, it's probably some mistake.
I really don't think anyone would be confused if it was swap or forsale.
Upset -- maybe! Confused -- no! I see thigs "forsale" in "swap", I'd
expect to see "swap" things in a "forsale". You could even call it
"hamfest" (as I expect you know, you can buy new and used stuff at a fest.)
Of course if it was called "hamfest" maybe those postings for MIT hamfests
would get out of my face since I'm not driving 3000 miles to be at one.
The point is that "swap" is just fine.

>2. Why the cryptic name for the discussion group? And how to you DEFINE
>   what constitutes a "discussion"?

Other groups often use the ".d" suffix to denote a discussion group.
Calling it "rec.radio.ham.discuss" would be fine.
The reason and definition would be to seperate the issues from the facts.
In other words, if you post a technical question that gets a lot of
responses, that's fine. However, if you post something like,
"CALL FOR DISCUSSION" or "SHOULD THERE BE A NOCODE LICENSE" or
"PUMP-UP MOVIE BAD FOR HAMS" or "FCC PROPOSAL", or almost anything
that starts with a "RE:", these are postings that are likely to generate

lots of comments, observations, opinions, and long discussions.
(just like I'm doing here, now). As you notice in what I'm writing,
there is no "question" that I'm trying to ask, there is no one answer,
we are discussing an issue. And that is good and useful, but it's not
a technical question that can have a technical answer. Of course you
could take a contrary viewpoint, but that would be a discussion. Yes?

>3. It has been proposed the have rec.radio.swap instead of rec.radio.ham.swap
> so what is your reason for not having that?

I missed it. (Sounds fine to me, but I don't look forward to someone
trying to sell me a FM table radio.)

As to why I changed my mind, the more a topic gets splintered, the more
likely I'll miss something. Since I don't always have time to read all
notes, splitting the discussions off into another group will just
make it easier to skip the ones that I'm not interested in. Or save them
for when I have more time.

THANKS for listening

Richard Artz / N0LZR / 303-229-2036 / richard@hpfcww.fc.hp.com

```
From -6238521956105369279
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df38bde31f9d214c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-28 23:37:10 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!zaphod.mps.ohio-state.edu!
swrinde!ucsd!ucbvax!hplabs!hpfcso!hpldola!paul
From: paul@hpldola.HP.COM (Paul Bame)
Newsgroups: rec.ham-radio
Subject: Re: Internet link via RF
Message-ID: <12120043@hpldola.HP.COM>
Date: 28 Aug 90 16:29:29 GMT
References: <651715209.786@quack.sac.ca.us>
Organization: HP Elec. Design Div. -ColoSpgs
Lines: 14
Posted: Tue Aug 28 17:29:29 1990
```

For your 100m link, consider 10GHz. Lots of folks (not me) have made
significant progress in this type of hardware - like achieving ethernet
speeds. Since the signal isn't even close to omnidirectionally transmitted
(assuming dish or horn antennas), you might be a little less concerned
about the content (go ahead, send rec.humor) - not that I'm endorsing
this of course.

Or maybe use unrestricted frequencies - visible or IR light. A couple of
pairs of binoculars with light emitters (LEDs) and photodiodes at their
foci might make a dandy full-duplex link. The antennas are the right
size :-) I've always wanted to try this out but never find the time.

-Paul "Spice is the Variety of Life"
paul@hpldola.hp.com   N0KCL

From -3933107708371186957
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,366a891afe53fd8a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 03:31:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: mHz
Message-ID: <9008290300.AA05565@cmr.ncsl.nist.gov>
Date: 29 Aug 90 03:00:02 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 24
Posted: Wed Aug 29 04:00:02 1990

Kok Chen challenges me:-
> >It was not plausible technically, unless you can figure out how to
> >alter a "shortwave set" to broadcast on 92.5 mHz.
>
> This simply begs for a flame from Bob Carpenter! :-)
> etc etc ....

If he means millihertz, who am I to bother him .....

All this talk of FM stations takes me back to the early 60s when I put WHFS (FM) on the air, marrying an H.H. Scott stereo generator, old RCA exciter and 1 kW rig that Maj. Armstrong had used in demos - which had 25 Hz power supply components since it had been used in upper NY state. (Niagara Falls generated 25-Hz power up to the 40s). All except the stereo generator had been used to get WASH (FM) on the air in the late 40s. But I had to saw the transmitter into 3 pieces to get it through the door at WASH.

To get to the point, I never did call "CQ 3 meters", but I came close... We had a 15-minute ham radio program each Sunday; talk about TRYING to go broke... Actually it was the next two or three owners who went broke. The latest two transfers of the station (102.3 MHz, Bethesda) were for $2M and then $7.5M, however - for a Class A FM. We sure got out too early!

73, Bob W3OTC

From 8434496771251029360
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98d8320a6b8bf621,start
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 114aac,98d8320a6b8bf621,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-08-29 03:43:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!aplcen!uunet!zephyr.ens.tek.com!tekigm2!jimla
From: jimla@tekigm2.MEN.TEK.COM (James G Larsen)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Touch lamp RFI solution and tracking methods
Message-ID: <9736@tekigm2.MEN.TEK.COM>
Date: 29 Aug 90 04:25:19 GMT
Followup-To: rec.ham-radio
Organization: Tektronix Inc., Beaverton, Or.
Lines: 34
Xref: gmdzi rec.ham-radio:14413 rec.radio.shortwave:1983
Posted: Wed Aug 29 05:25:19 1990

I have been working on a solution to my touch lamp RFI problem. I borrowed my neighbor's lamp and tried installing a line filter in the base of the lamp. The filter reduced the noise level only 1 S unit. Since the lamp base cannot be grounded, common mode noise was not suppressed by the filter. Finally, I bought another touch lamp at the local builder's warehouse store. They had hundreds of them in several styles, all from the same distributor. I removed the base cover and discovered that the controller had been redesigned. It contained fewer components and was rated for 150 watts. There were still no RFI supression components (chokes or capacitors on the AC lines). The original was rated for 100 watts, and the neighbor had installed 3 40 watt bulbs, exceeding the rating. I could not hear any additional interference with the new lamp, but the neighbor's lamp was still plugged in, so it could have been masking the noise generated by the new lamp. I gave the new lamp to the neighbor, and told him to leave the old lamp unplugged. On returning to the shack, I could not find any interference from the new lamp. In case the information would be useful to others with touch lamp RFI, the manufacturer of both controllers is Darjung Industries, Taiwan. Model DLP-22 is the older design with RFI. Model T-30 is the newer design which did not cause RFI.

My method of tracing RFI sources is to carry my ICOM 735 around the neighborhood powered by 12V gel cell in my back pack. The antenna is a 2 ft. diameter shielded loop made with RG-8/U, matched to the ICOM with an L-network. The loop tunes from 10 to 30 MHz and has sharp nulls in the broadside direction. I was easily able to localize the source of the interference to the house and the interference was heard within a 3 block radius. Touch lamp RFI sounds like a growling buzz on an AM reciever, with a peak around 10 MHz and sidebands every 200 KHz from 5 to 25 MHz.

Jim Larsen
N7IHQ

From -969356254284089421

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c722329cabc49cea,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 03:47:17 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!mailrus!sharkey!
msuinfo!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: XT - what's the story?
Message-ID: <28951@netnews.upenn.edu>
Date: 29 Aug 90 05:49:26 GMT
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 21
Posted: Wed Aug 29 06:49:26 1990

After working an XT last night on 15, I compared 4 different sources and
can't come up with the right answer to this question:

What is the current and proper name of the country that XT belongs to?

The operator I worked (XT2BK if I remember right) said the name, but I
missed it due to QRM/QSB. It didn't sound like any of the names I had
listed:

Bukina Faso (sp?) (DXCC country list, PacketCluster)
Voltaic Republic   (Beam heading chart)
Upper Volta   (Soft copy of an older DXCC list)

Any definate answer?

--- Jeff

--
-=-
Jeff DePolo N3HBZ   Twisted Pair: (215) 386-7199
depolo@eniac.seas.upenn.edu   RF: 146.685- 442.70+ 144.455s (Philadelphia)
University of Pennsylvania   Carrier Pigeon: 420 S. 42nd St. Phila PA 19104

From -2586283328556171042
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dfd27fba0b0ed2a1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-29 03:47:26 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!midway!
ellis.uchicago.edu!gary
From: gary@ellis.uchicago.edu (gary buchholz)
Newsgroups: rec.ham-radio
Subject: Weird Shutdown of my Astron power supply while antenna tuning (RF?)
Message-ID: <1990Aug29.055134.16823@midway.uchicago.edu>
Date: 29 Aug 90 05:51:34 GMT
Sender: news@midway.uchicago.edu (News Administrator)

Organization: University of Chicago
Lines: 37
Posted: Wed Aug 29 06:51:34 1990

Riddle me this...

I have an Astron RS-35M power supply (12v @ 35 amps). A few days ago, using this with a HF rig,I was "tuning" my dipole with a MFJ 949D tuner II at low power (about 5 watts). In the course of setting the inductor selector and antenna matching capacitor on the MFJ tuner the Astron simply "shut down". The Astron has amp and volt meters and the voltmeter which always reads 13.8 volts was reading only a few volts. I shut the Astron off, turned it back on, and agin it showed 13.8 volts. No fuse was blown, no smoke.. and I doubt that in the course of tuning by transceiver it was pulling no more than about 3-5 amps.

This happened a few times. Each time I turned the Astron off and then back on and it was fine. Three times and I gave up since I knew something had to be wrong.

Tuning another antenna this evening (a long wire) it happened again. Low power, CW, key down, 5 watts and the Astron shut down - this time for the last time. It didn't recover. Its "red" power light is on, no fuse blown but no voltage.

My guess is that the problem has something to do with RF getting in the power supply - what else could it be ? Clearly, pulling a few amps for antenna tuning wouldn't burden this 35 amp supply and no fuse was blown.

Looking at the schematic of the power supply I see 3 curious capacitors in various configurations on the heat-sinked power transistors with the note "C7-C9 added for R.F. bypassing".

What does RF have to do with a power supply. And, why has my Astron "shut down" on such a low power demand ??????????????????????????????????

Wondering....

Anybody got an answer.... or a guess ?

Gary (N9KAW)

From 8785576555424729881
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,efb1404462ac226a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-19 05:41:22 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!bellcore-2!bellcore!messy!mo
From: mo@messy.bellcore.com (Michael O'Dell)
Newsgroups: rec.ham-radio
Subject: Re: TV and Cordless Phones
Message-ID: <26135@bellcore.bellcore.com>

Date: 19 Aug 90 12:22:10 GMT
References: <9008190236.AA22820@ucsd.edu> <28618@netnews.upenn.edu>
Sender: news@bellcore.bellcore.com
Reply-To: mo@bellcore.com (Michael O'Dell)
Organization: Center for Chaotic Repeatabilty
Lines: 16
Posted: Sun Aug 19 13:22:10 1990

In northern Virginia where I used to live, there was a large discount store (Sam's) right under one of Bell Atlantic's cell sites. After ECPA passed, I took great delight in going through the television department and playing with the UHF tuners on all the little tiny cheap TVs (all of which had analog UHF tuners), retuning them to output the Cellphone traffic, much to the dismay of passers-by. One of them even asked me if that was cellular telephone and I told them "yes." He said he thought is was "private" and I asked him how he could possibly believe that BS if every TV set in Sam's discount store could recieve it. He decided that in the future he would be much more circumspect about what he said on his cellphone.

Oh well, one at a time, I guess....

-Mike

From 1786620324662617774
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c1489272724f640,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-19 07:01:05 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!hp7400.desk.hp.com!haim_eichenbaum%10
From: haim_eichenbaum%10@hp7400.desk.hp.com
Newsgroups: rec.ham-radio
Subject: STOP INFO HAMS
Message-ID: <30733319.0.0.0@HP1900UX.HPDESK>
Date: 19 Aug 90 12:14:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1
Posted: Sun Aug 19 13:14:00 1990

STOP INFO HAMS

From -8337173975571524537
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75aba6292750537c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-19 07:54:20 PST
Path: gmdzi!unido!mcsun!sunic!tut!ousrvr!news
From: luru@stekt.oulu.fi (Ari Husa OH8NUP)

Newsgroups: rec.ham-radio
Subject: No-code brings in hams!
Summary: Good experiences about no-code class
Message-ID: <LURU.90Aug19114540@stekt.oulu.fi>
Date: 19 Aug 90 08:41:28 GMT
Sender: news@ousrvr.oulu.fi
Distribution: rec
Organization: Johnny Walker Appreciation Society
Lines: 29
Posted: Sun Aug 19 09:41:28 1990

After the announcement of a new radio amateur licensing class in last December (Communicator class, 432 MHz only, all modes, no code test required), the number of new hams in Finland really boosted.

In our little Radio Amateur League of 5,000 members, a rush-in of 500 new faces (and voices, of course) compared to the previous growth of around 50 is really good news. Imagine ARRL growing 10 % in 6 months! There are about 5 million inhabitants in Finland.

Our age profile is not as much inclined to "old farts" as in ARRL, but definitely there is room for improvement. These new hams are mostly young and fresh power. There is a possibility to upgrade to "Basic class" (HF CW except 14 MHz & WARC bands, phone on 28 MHz; all modes on 144 MHz, 432 MHz) by taking the CW test only. Other than that, the exams are identical.

I don't work for the League, so I don't have exact figures. If you are interested, write for more information:

SRAL
box 44
00441 HELSINKI

Go no-code now!

By the way, I am a keen CW operator myself, when not busy teaching on a novice course..

Luru

From -1473149908286722734
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e1eaf85c834160f7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-19 09:42:42 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!apple!rutgers!cmcl2!sbcs!ameristar!rick
From: rick@ameristar (Rick Spanbauer)
Newsgroups: rec.ham-radio
Subject: Re: What level should hams homebrew at?
Keywords: was: a new war

Message-ID: <1990Aug19.142305.7232@ameristar>
Date: 19 Aug 90 14:23:05 GMT
References: <106066@philabs.Philips.Com>
Organization: Ameristar Technology, Inc
Lines: 20
Posted: Sun Aug 19 15:23:05 1990

In article <106066@philabs.Philips.Com> rfc@briar.Philips.Com (Robert Casey) writes:
>At the other extreme: I once saw someone on rec.ham-radio.packet say that he
>builds packet networks, using store bought radios, TNCs, computers, etc.
>
>Neighter of the above is more valid than the other, it just depends what you
>want to do, and the resources you have.
>73 de WA2ISE

A point that should not be lost either is that writing software is a perfectly valid form of homebrewing. The same people who might have been building their own vacuum tubes, capacitors, etc yesterday are probably writing software today. Nowhere is this more true than packet radio - it will be software that makes packet radio valuable to its users, not hardware. And, speaking from the standpoint of having built a commercial hardware/software networking package, the hardware is the easy part. Note that I am not attempting to start a hardware/software jock flame war - I play both fields, and certainly the world needs both specialties.

Rick Spanbauer/WB2CFV
Ameristar Technology

From 8895289690258651598
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,efb1404462ac226a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-19 17:43:42 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: TV and Cordless Phones
Message-ID: <30500693@ux1.cso.uiuc.edu>
Date: 19 Aug 90 23:25:00 GMT
References: <9008190236.AA22820@ucsd.edu>
Lines: 21
Nf-ID: #R:<9008190236.AA22820@ucsd.edu>:-29:ux1.cso.uiuc.edu:30500693:000:893
Nf-From: ux1.cso.uiuc.edu!phil   Aug 19 18:25:00 1990
Posted: Mon Aug 20 00:25:00 1990

> dismay of passers-by. One of them even asked me if that was
> cellular telephone and I told them "yes." He said he thought
> is was "private" and I asked him how he could possibly believe that
> BS if every TV set in Sam's discount store could recieve it.

> He decided that in the future he would be much more circumspect
> about what he said on his cellphone.
>
> Oh well, one at a time, I guess....

Do you realize some of the profanity that goes on over cellphone?

Do you realize the potential dangers that exist with any consumer
device that can receive cellular telephone signals getting into
the hands of children?

If only Jesse Helms (the artificial art official) knew...
but would he ban cellphones or UHF TV's or what?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -6521108806560399021
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fd80dc536325fd5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-20 01:06:48 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!watserv1!watcgl!imax!dave
From: dave@imax.com (Dave Martindale)
Newsgroups: rec.ham-radio
Subject: Re: lead-acid charging from automobile electrical system
Message-ID: <1990Aug20.013631.4917@imax.com>
Date: 20 Aug 90 01:36:31 GMT
References: <FAUNT.90Aug12194446@dustbin.cisco.com> <7880248@hpfcdc.HP.COM>
Organization: Imax Systems Corporation, Oakville Canada
Lines: 21
Posted: Mon Aug 20 02:36:31 1990

In article <7880248@hpfcdc.HP.COM> ajs@hpfcdc.HP.COM (Alan Silverstein) writes:
>> ...maintain a charge on a gel-cell from an automotive electrical system.
>> ...hook up a low-voltage-drop voltage regulator IC in constant-current
>> mode...
>
>There's a simpler way that works for me. Whatever your personal
>standard 12V power connector system is (*), build a unit like this:
>

```
>        hot   source
>       ______________| |_______________
>   sink--------------------------------sink
>        ground
```

Another, even simpler method is: buy gel-cells that don't require
current limiting.

Sonnenschein (a German manufacturer; I think that's the right spelling)
sells gell-cell batteries that are generally similar to those of other

manufacturers, but they state that charging simply requires a constant voltage of 2.3 V (+- 20 mV) per cell. Even when deeply discharged, the cell limits its own charging current to a value that won't damage it.

From -5458618638017233097
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,971043bf6d2abfcc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-20 01:09:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: ungrounded station questions
Message-ID: <1272@ke4zv.UUCP>
Date: 19 Aug 90 17:57:26 GMT
References: <22480014@hpcuha.HP.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 65
Posted: Sun Aug 19 18:57:26 1990

At the risk of starting another flame war, here are some practical suggestions.

In article <22480014@hpcuha.HP.COM> nicholso@hpcuha.HP.COM (Ron Nicholson) writes:
>What is recommended for HF transmitting when a ground isn't available?
>Example situations: multi story apartments, hotel rooms, roof top
>stations, mountain top portable stations, or air mobile (aircraft
>operators permission, of course :-).

Any antenna that doesn't require a "ground mirror" should work reasonably well. This means an antenna that is an electrical half wavelength or a multiple of a half wavelength. Almost anything that is a reasonable fraction of a wavelength or bigger in size will radiate to one degree or another and non-resonant antennas have been used for years, but in general the simplest antennas are an electrical half wavelength.

>Do balanced antennas, balanced feedlines, or various matching networks
>help keep RF off the radio case? Are counterpoises effective and do
>they radiate?

Balanced feeders and balanced antennas should keep RF off the radio, but I have seen cases where this was not true. Generally in those cases just changing the feedline length solved the problem. End feeding a half wavelength antenna requires a high exciting voltage since you are at a high impedance point, center feeding a half wavelength requires high currents since you are at a low impedance point. When you use a feedline, it's length will transform this impedance as seen at the source to something else. Thus you could have high RF voltages at the transmitter from a center fed antenna or high currents at the transmitter from an end fed antenna. Generally, having high voltages at the transmitter is the nastiest case from a "hot chassis" point of view. In theory a perfect match to the line prevents these problems, but in practice, you are unlikely to get a perfect match across the band.

A counterpoise can be effective and it can radiate, this is one of those "it depends" questions. So much depends on the installation and physical surroundings that a general theoretical answer just won't do. You must cut and try, measure and experiment to get a working system. A half wavelength counterpoise directly connected to the ground terminal of a transmitter should present a high impedance and a high voltage at the chassis. A quarter wavelength counterpoise should present a low impedance, low voltage connection at the chassis. Due to coupling effects in the nearby enviornment this may not work out. You may have to adjust the length of the counterpoise or use a matching network to get the desired results across a band. A short answer is that a counterpoise must radiate to work.

>Also, how can base fed vertical antennas without an earth ground be
>decoupled from the feedline?

With coaxially fed antennas, a quarter wave decoupling sleeve is effective, or you can try a ferrite choke over the feedline. With balanced feeders, it is generally impractical to decouple the line from an ungrounded base fed antenna. A base matching network that transforms the balanced line to an unbalanced feed for the antenna should work, but generally the feedline still develops common mode currents that are difficult to suppress. Again this is more of a physical problem than an electrical problem. Induction of the radiated energy, either direct or mediated by a conductive object in the near field, will often induce currents on the line.

Gary KE4ZV

From 616042330264842321
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2e9af5552502c9d5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-23 13:05:17 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!usc!rutgers!
cunixf.cc.columbia.edu!lamont!milly
From: milly@lamont.ldgo.columbia.edu (milly giarratano)
Newsgroups: rec.ham-radio
Subject: radio contact-Liberia
Keywords: Irish missionaries
Message-ID: <2699@lamont.ldgo.columbia.edu>
Date: 23 Aug 90 20:05:17 GMT
Organization: Lamont-Doherty Geological Observatory N.Y.
Lines: 17
Posted: Thu Aug 23 21:05:17 1990

The S.M.A. Fathers are a group of Irish Missionary priests who have a mission in Tenafly, N.J., a town in northern Bergen county. There are many missionary priests in Liberia, and the Fathers are having trouble contacting them by their usual channels. A friend asked me if I knew anyone who had a ham radio who would be willing to help them reach Africa, to find out how things are going with them during the current troubles. I don`t know exactly what they are doing at the moment since I don't speak or understand "HAM," but if you would like to help, or find out a little more, please get back to me here at email and I will pass your info to the "Irish Ham." Thanks for any help.

Milly Giarratano
milly@lamont.ldgo.columbia.edu

From -4837398614634123412
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ce7a1f51c33f1cba,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-23 21:16:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!samsung!
zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!bacchus.pa.dec.com!decatl!
shlump.nac.dec.com!nodename.dec.com!elkind
From: elkind@nodename.dec.com (Steven A. Elkind)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: Reorganizing rec.radio
Message-ID: <14885@shlump.nac.dec.com>
Date: 24 Aug 90 04:16:20 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 18
Posted: Fri Aug 24 05:16:20 1990

In article <662@entec.Wichita.NCR.COM>, kthompso@entec.Wichita.NCR.COM (Ken Thompson) writes...
>In a word no!
>No more splinter groups please.
>It is very easy now to pick out the things one is interested in reading.
>If more groups...subsgroups if you will...are created we will just get more
>of this repetitive cross-posting. Subscription to all the new groups would
>be needed to not miss threads of discussion.
>
>--
>Ken Thompson   N0ITL

My sentiments exactly. I like the way threads mutate over time, and with splinter groups I'd miss some interesting stuff.

I vote NO.

de Steve Elkind KB1RB

From 5200752039585282047
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,143ea2b64ef8b869
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-24 12:58:04 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!haven!decuac!shlump.nac.dec.com!carafe.enet.dec.com!goldstein
From: goldstein@carafe.enet.dec.com (Fred R. Goldstein)
Newsgroups: rec.ham-radio
Subject: Re: _Pump Up the Volume_ bad for amateur radio?
Message-ID: <14907@shlump.nac.dec.com>
Date: 24 Aug 90 19:58:04 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 29
Posted: Fri Aug 24 20:58:04 1990

In article <1077@tsdiag.ccur.com>, davet@tsdiag.ccur.com (Dave Tiller N2KAU) writes...
>...People running illegal transmitters
>that interfere with my phone bother me. If the movie _pump up the volume_
>depicts an unlicensed kid using an _amateur_ tranceiver to broadcast an
>illegal radio program, then what frequencies do you think he'll be using?
>_AMATEUR FREQUENCIES_!!! What frequencies will all of the copycat morons
>be using? _AMATEUR FREQUENCIES_!!! That bothers me. If he's using an
>AM or FM band transmitter, and he's not causing interference to another
>station, I don't care. If he's clobbering another station (unlikely),
>then I'll mention it to the FCC.

I haven't seen the film yet, but it's quite possible that it's a MODIFIED ham transmitter. As I did in 1969...

I took a 1956-vintage Tecraft TR-20/50 and converted it to the FM broadcast band. The classic 3-tube design (Osc/tripler, doubler, final) was easy to modify to have a doubler in the final (a 6360). Then to boost the power, I eventually added a straight through final. The modulator was a Heath VF-1 with a power diode added as a varactor. All ESTDs (toobz).

A subsequent owner bought a cheap Precision Electronics stereo generator and got the whole thing running in stereo. Norton (the Tecraft's name) did faithful service...
---
Fred R. Goldstein   goldstein@carafe.enet.dec.com
k1io   or goldstein@delni.enet.dec.com
                    voice: +1 508 486 7388

From 647664097077047335
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ce6b92bfa2604a56,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-24 18:56:22 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!gate.oxy.edu!oxy!d_reeves
From: d_reeves@oxy.edu (Bryan Douglas Reeves)
Newsgroups: rec.ham-radio
Subject: Equipment recommendations, new shack, HF Verticals
Message-ID: <108407@tiger.oxy.edu>
Date: 25 Aug 90 01:56:22 GMT
Organization: Occidental College, Los Angeles, CA 90041
Lines: 30
Posted: Sat Aug 25 02:56:22 1990

The story thus far:

Several of us have ben trying to set up a shack on campus here for a long time. We finally have gotten an initial approval for the idea, and are now writing up a proposal and shopping list. The shack is to be used for regular use, but is also to be dedicated to emergency use. If any of you on the net can comment about any of our equipment choices, please e-mail direct or post if you cannot.

For HF antennas, one idea is to use a Cuschraft R-5 for 10,12,15,20m and a butternut HF2V for 40,80m. Any ideas for beter choices than the butternut? The other idea is to use a cuschraft A3s for 10,15,20m and add the A743 add-on for 40m. Any ideas on how well this works? It would be quite nice to get some gain on 40m without a dedicated, large 40m beam. For 80m, again, the idea is to use a butternut HF2V.

A Kenwood 440s/at is the HF rig choice, due to it's small size, decent cost, built-in tuner, and reliability.

We are considering getting a linear amp, and the ameritron AL-80A looks like a good choice, due to it's high output, small size and portability.

Thanks again for the responses.

73s, de N6XHW, Douglas

B. Douglas Reeves (N6XHW)   D_Reeves@oxy.edu (Internet, of course!)
(213)-341-4555   (ma Bell) 1600 Campus Rd., La, Ca, 90041 (USnail)
"Cogito, ergo es."   Occidental College Computer Networking

From 5507498330001267586
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ce7a1f51c33f1cba
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-24 22:38:30 PST

Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!ucsd!ucbvax!hplabs!hpfcso!hpfcdc!richard
From: richard@hpfcdc.HP.COM (Richard Artz)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR DISCUSSION: Reorganizing rec.radio
Message-ID: <7880259@hpfcdc.HP.COM>
Date: 25 Aug 90 05:38:30 GMT
References: <1990Aug20.171157.11560@portia.Stanford.EDU>
Organization: HP Fort Collins, Co.
Lines: 17
Posted: Sat Aug 25 06:38:30 1990

I was wrong. After considering what I've seen/read for the last few months, and considering other comments, and guessing that I have access to all *radio* groups, please consider:

OLD	NEW	CHANGE
rec.ham-radio	rec.radio.ham	(name only)
	rec.radio.ham.d	(new group)
rec.ham-radio.forsale		(drop group)
rec.ham-radio.packet	rec.radio.ham.packet	(name only)
rec.ham-radio.swap	rec.radio.ham.swap	(name only)
rec.radio.noncomm	rec.radio.noncomm	(none)
rec.radio.shortwave	rec.radio.shortwave	(none)

(i.e. combine forsale and swap, add a discussion group.)

Richard Artz / N0LZR / 303-229-2036 / richard@hpfcww.fc.hp.com

---

From 5694653842138076964
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,772071629fedcb7d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-25 06:04:29 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!haven!decuac!shlump.nac.dec.com!elkind@crboss.enet.dec.com
From: elkind@crboss.dec.com (Steven A. Elkind KB1RB)
Newsgroups: rec.ham-radio
Subject: Lafayette Eplor-Air information?
Message-ID: <14920@shlump.nac.dec.com>
Date: 25 Aug 90 13:04:29 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 17
Posted: Sat Aug 25 14:04:29 1990

The first radio I ever built was the old Lafayette Explor-Air super regen SW receiver when I was a kid in the mid-60's. I built it using a soldering gun (remember when you couild get away with that?). That radio is long gone, but I found one at a hamfest recently, and picked it up for nostalgia's sake.

Unfortunately, it doesn't work very well, and I'd like to fix it up.

Does anyone out there in netland have a copy of the schematics and/or manual for this radio, or for a similar rig?   It used that neat trick of the using a tube set whose filament voltages added up to near 117V, thus cutting costs. Many super regen radios used the same tube set, and I assume have similar circuits.

I'd be glad to reimburse for copying & mailing expenses. Either a reply here or direct email (elkind@crboss.enet.dec.com) is fine.

tnx de kb1rb

From -4680298363152375354
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f5af77dc4373163,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-25 16:03:35 PST
Path: gmdzi!unido!mcsun!ukc!edcastle!aipna!cam
From: cam@aipna.ed.ac.uk (Chris Malcolm)
Newsgroups: rec.ham-radio
Subject: Re: Abbreviation for Units Multipliers
Message-ID: <2904@aipna.ed.ac.uk>
Date: 25 Aug 90 23:03:35 GMT
References: <9008241338.AA05397@cmr.ncsl.nist.gov>
Reply-To: cam@aipna.ed.ac.uk (Chris Malcolm)
Organization: Dept of AI, Edinburgh University, UK.
Lines: 16
Posted: Sun Aug 26 00:03:35 1990

In article <9008241338.AA05397@cmr.ncsl.nist.gov> rc@CMR.NCSL.NIST.GOV (Robert Carpenter) writes:

>NBS SP 330: The International System of Units (1981), page 10
[And other standards refs deleted]

>The multipliers are:

>10^3   kilo   k   10^-12 pico   p

And there is a computer convention that whereas "k" refers to 10^3 (1000) "K" refers to 2^10 (1024), thus 2 kbytes = 2000 bytes, and 2 Kbytes = 2048 bytes.
--
Chris Malcolm   cam@uk.ac.ed.aipna   031 667 1011 x2550
Department of Artificial Intelligence, Edinburgh University
5 Forrest Hill, Edinburgh, EH1 2QL, UK

From 941087621651387447
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2699ebdb5c41c918

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-26 03:31:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uwm.edu!ogicse!
emory!kd4nc!rbdc!andy
From: andy@rbdc (Andy Pitts)
Newsgroups: rec.ham-radio
Subject: Re: Tower climbing safety
Message-ID: <1990Aug26.103157.23039@rbdc>
Date: 26 Aug 90 10:31:57 GMT
References: <215@bongo.UUCP> <54534@iuvax.cs.indiana.edu>
<1990Aug23.082630@ultnix.enet.dec.com>
Organization: Red Barn Data Center Public Access Unix, Winston-Salem, NC.
Lines: 19
Posted: Sun Aug 26 11:31:57 1990

taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber) writes:

>In article <215@bongo.UUCP>, julian@bongo.UUCP (Julian Macassey) writes:
> |>
>|>  You may feel dorky wearing a hard hat, but when a large wrench
>|> (spanner) has just whistled passed your ear, they seem like an
>|> excellent idea.
>|>
I just can't resist this.

When I was working at the mountain transmitter site of a local TV
station.  We were required to wear hard hats when entering or leaving
the building during the winter.  This was to "protect" us from the 200
pound chunks of ice that fell off the top of the 600 foot tower and
made all the 3 foot deep holes all over the ground.
--
Andy Pitts andy@rbdc.UUCP  : "God is an overwhelming responsibility"
...!emory!kd4nc!rbdc!andy  :            --Jethro Tull--


From 7896154174402604964
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d9360ed27d53078d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-26 12:52:07 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-
state.edu!sol.ctr.columbia.edu!cica!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Making a clodk go at twice the normal speed.
Message-ID: <89.26D730FF@w8grt.fidonet.org>
Date: 26 Aug 90 19:52:07 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 31
Posted: Sun Aug 26 20:52:07 1990


 > From: murthy@arnor.watson.ibm.com (Sesh Murthy)
```

> Date: 23 Aug 90 17:37:21 GMT
> Organization: IBM T.J. Watson Research Center
> Message-ID: <1990Aug23.173721.7942@arnor.uucp>
> Newsgroups: rec.ham-radio,sci.electronics
>
> A friend of mine would like to change the speed up a clock by a factor
> of 2.0 or 0.5 for a psychology experiment.
>
> I was wondering if there is any simple way to do this.
>
> The other things I though of was to get a wall clock that operates on
> 50 Hz, 110 v and somehow double the frequency of the current. Would
> this work?

Yes.

> Is there a simple way to double the frequency of the Ac going into the
> clock.

Run the 50hz AC through a bridge rectifier followed by a small 1:1 transformer.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From -44997911216029662
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6d2242884f38d42,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-26 14:28:16 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio
Subject: Pump up the volume - HP608
Keywords: Hard Harry
Message-ID: <3733@radio.oakhill.UUCP>
Date: 26 Aug 90 14:23:57 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 11
Posted: Sun Aug 26 15:23:57 1990

I am surprized that no one has noticed that the FM transmitter
in "PUMP UP THE VOLUME" is nothing more than an HP 608 signal gen!
It's there in plain sight ...no TS-440's or ICOMS or anything...
just a good ole HP608. The '608 even goes mobile in a jeep
using a little gasoline generator when Hard Harry is being stalked
by the FCC in these silly yellow vans.   There is no mention

```
explicitly of 'amateur radio' in this movie...only 'shortwave'.

...For the record (which apparently isn't straight)...

Charlie Thompson WB4HVD


From 1034236056364446665
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e70b1cd1de3fe815,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-26 16:05:21 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!
elroy.jpl.nasa.gov!turnkey!orchard.la.locus.com!prodnet.la.locus.com!
lando.la.locus.com!dana
From: dana@lando.la.locus.com (Dana H. Myers)
Newsgroups: rec.ham-radio
Subject: Re: More on "Pump up the volume"
Message-ID: <16185@oolong.la.locus.com>
Date: 26 Aug 90 20:33:14 GMT
References: <19977@orstcs.CS.ORST.EDU> <1990Aug24.233728.14907@haven.umd.edu>
<12414@sdcc6.ucsd.edu>
Sender: news@locus.com
Organization: Locus Computing Corporation, Inglewood, CA
Lines: 24
Posted: Sun Aug 26 21:33:14 1990

In article <12414@sdcc6.ucsd.edu> mark@kraken.ucsd.edu (Mark Anderson) writes:
>
>Yes, I have seen the movie.  Ham radio is only mention as a flimsy
>explanation of how the pirate got equipment to broadcast with.  I don't
>remember the exact wording, but it went something like:
>
>"My dad got me this ham set so I could talk with some old friends in
>New York. I was never able to contact anyone."
>
>He is never seen operating on the amateur bands.  That's the total
>reference to ham radio. No detailed explaination of how it was
>converted to work on the FM band.  The pirate transmitted on 92.0 FM.

    Hey! So this isn't the case of a converted 160m transmitter. I doubt
that most hams could modify an old HF radio to transmit wide-band FM
on 92.0 Mhz. Now, I'd doubt even more that there are many high school
students who could do that.


*****************************************************************
* Dana H. Myers KK6JQ       | Views expressed here are  *
* (213) 337-5136 (ex WA6ZGB)     | mine and do not necessarily
     *
* dana@locus.com       | reflect those of my employer   *
*****************************************************************
```

From 1401438258919669384
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df38bde31f9d214c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-26 22:29:38 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!ucdavis!uop!quack!mrapple
From: mrapple@quack.sac.ca.us (Nick Sayer)
Newsgroups: rec.ham-radio
Subject: Internet link via RF
Message-ID: <651715209.786@quack.sac.ca.us>
Date: 27 Aug 90 00:00:10 GMT
Organization: The Duck Pond, Stockton, CA
Lines: 38
Posted: Mon Aug 27 01:00:10 1990

Hi. I'm an advanced class ham, I own a Sun 2, and am about a hundred meters away from an internet site. I could, conceivably, make a packet radio link on 900 Mhz or something to link my site to the internet site down the block and thereby get on the internet (ignoring administrivia for the moment - this is a a technical and FCC-legal excercise).
The trouble is if I operated this under the auspices of my ham license, I'd have to insure that all the stuff that goes over that link is ham-legal. rec.humor would not qualify, obviously.

What alternatives have I? On the building at the internet site, I can put up as good an antenna as is necessary. At my end, however, I have the usual condominium restrictions, but an outdoor loop antenna or a small UHF beam would not be too much of a problem. With this in mind, I can probably get away with less than a watt, probably less than half a watt.

With all the talk about wireless speaker installations, etc, I'll probably be the black sheep for suggesting it, but can I operate in 902-928 with low power under part 15 for this application? Is there any other LOW COST alternative? I am only doing this to save myself having to use the phone all the time to transfer news, etc. If it's going to cost me more than time and buying the gear, I may as well use the phone.

Now technically: SLIP will be operating on the serial link, so error correction or detection/retry is not necessary. To make it simpler, full-duplex would be best. Is making a simple FSK transmitter/receiver for each end the best way? How much of a shift is necessary to achieve 19200 baud? How close can I get the two signals (one each direction) without buying duplexers? Am I wrong about this being the best way to do it?

--
```
Nick Sayer               |  Disclaimer:
N6QQQ                    |    "Just because you're reading my post doesn't
mrapple@quack.sac.ca.us  |     mean we're gonna take long showers together."
```

209-952-5347 (Telebit) | -- Gunnery Sgt. Thomas Highway

From -6148549460192723249
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4ed0939d1cf91e66,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-26 23:09:06 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Geographic data base site?
Summary: zip codes
Message-ID: <166@ssc.UUCP>
Date: 26 Aug 90 17:15:25 GMT
References: <6875@jjmhome.UUCP>
Organization: very little
Lines: 28
Posted: Sun Aug 26 18:15:25 1990

In article <6875@jjmhome.UUCP>, km3t@jjmhome.UUCP (Dave Pascoe KM3T) writes:
> I can't find the posting but I'm looking for the name of the site,
> reachable on Internet (via telnet), that gives town information (county,
> etc., etc.) when given a zip code. be at

It may be more convenient to use the list in the back of the post office zip code directory. It lists every zip code, in numerical sequence, followed by the name of the town.

There is also a little book published by Pilot Books that allows you to link zip codes to telephone area codes. This is very useful for multi area code states, where the area code boundaries are not obvious to those of us from out of state.

The book from Pilot is only $3.95. E-mail me, and I'll send you their address. I have the book at my office, and I am at home right now. Otherwise I would post it.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 3307527416365120626
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8db61c18e262902

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-26 23:33:43 PST
Path: gmdzi!unido!mcsun!uunet!convex!horak
From: horak@convex.com (David Horak)
Newsgroups: rec.ham-radio
Subject: Re: Growling interference
Message-ID: <horak.651690611@convex>
Date: 26 Aug 90 17:10:11 GMT
References: <9700@tekigm2.MEN.TEK.COM> <4140019@hpnjld.HP.COM>
Sender: news@convex.com
Lines: 8
Posted: Sun Aug 26 18:10:11 1990

After reading the articles on GROWLING interference from touch lamps, I decided to see if my touch lamp was the source of interference on my DX-440 receiver. When I pulled the plug, silence followed. I was putting up with harmonic bleed-over on nearly every band. Now I don't have to any more. Don't underestimate the nasty noise generated by these "touch lamps from hell".

David

From 7580132926594186444
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,997d5470096e77b0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 00:19:52 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!sdd.hp.com!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Ham car license plates in CA
Message-ID: <30500704@ux1.cso.uiuc.edu>
Date: 27 Aug 90 00:40:00 GMT
References: <9008201720.AA03242@hls.com>
Lines: 8
Nf-ID: #R:<9008201720.AA03242@hls.com>:-28:ux1.cso.uiuc.edu:30500704:000:408
Nf-From: ux1.cso.uiuc.edu!phil   Aug 26 19:40:00 1990
Posted: Mon Aug 27 01:40:00 1990

While the magmount antenna LOOKS more like it can be stolen, the permanent antenna installations can still have at least the whip and spring portion taken. I guess that is less of a loss, and less likely to happen, but it would be a hassle in any case.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 6192789432920059050

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3208e3f624503534,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 03:24:28 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!JPNTSUK2.BITNET!870383
From: 870383@JPNTSUK2.BITNET (KOMATSU Toshiki)
Newsgroups: rec.ham-radio
Subject: VOX IC
Message-ID: <9008270743.AA05375@ucsd.edu>
Date: 27 Aug 90 07:38:58 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Mon Aug 27 08:38:58 1990

Hello ,
I have sent about VOX IC , JRC devices has agent in US .
Please call NJR Corp.
Thank you , Komatsu .

From 530734823858428711
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,740b8981863467cc,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,740b8981863467cc,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-08-27 04:05:40 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!apple!uokmax!munnari.oz.au!goanna!minyos!chudich!rcosj
From: rcosj@chudich.co.rmit.oz (John Simmons)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: online frequency guide?
Message-ID: <5475@minyos.xx.rmit.oz>
Date: 27 Aug 90 03:55:41 GMT
References: <48.UUL1.3#1@vortex.COM>
Sender: news@minyos.xx.rmit.oz
Followup-To: rec.radio.shortwave
Lines: 21
Xref: gmdzi rec.radio.shortwave:1972 rec.ham-radio:14337
Posted: Mon Aug 27 04:55:41 1990

root@vortex.COM (Superuser) writes:

>Hi. Does anyone have an online listing of frequency bands and
>major subdivisions? Something that listed the beginning and ending

...chop chop chop...

>curious if anyone already had it online so that it could be readily
>manipulated. Thanks.

Please post replies as I and no doubt others would also be interested.
Ta..

John Simmons (VK3KJG) Ph. 660 2619   Royal Melbourne Institute of Tech.
                      Fax 662 1060   (Victoria University of Technology)
                       PO Box 2476V
ACSnet: rcosj@chudich.co.rmit.oz   Melbourne 3001 Australia
CSNET: rcosj@chudich.co.rmit.oz.aus
ARPA: rcosj%chudich.co.rmit.oz.au@uunet.uu.net
BITNET: rcosj%chudich.co.rmit.oz.au@CSNET-RELAY
UUCP: ...!uunet!munnari!chudich.co.rmit.oz.au!rcosj

From -6943846283193256552
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e905fcb03c4fc46,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 04:15:16 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!qualcom!lafleur
From: lafleur@qualcom.qualcomm.com (Tom Lafleur)
Newsgroups: rec.ham-radio
Subject: Japan Icom IC-2st
Keywords: ICOM IC-2ST MODS
Message-ID: <3076@qualcom.qualcomm.com>
Date: 27 Aug 90 07:51:37 GMT
Lines: 7
Posted: Mon Aug 27 08:51:37 1990

I have an IC-2ST from Japan, I am looking for the MODS to convert
unit for use in the USA...
Can any one be of help !!

Thanks in advance...
tom lafleur
KA6IQA

From -9050792540134946218
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a09242f9a70e6e6a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 05:03:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!ux1.cso.uiuc.edu!
brutus.cs.uiuc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!sun-barr!newstop!
texsun!letni!merch!cpe!stevedak
From: stevedak@cpe.UUCP
Newsgroups: rec.ham-radio
Subject: Re: Ham plates in CA
Message-ID: <37400014@cpe>
Date: 27 Aug 90 12:03:00 GMT
References: <15656@uunet.uu.net>
Lines: 12
Nf-ID: #R:uunet.uu.net:15656:cpe:37400014:000:252

Nf-From: cpe.UUCP!stevedak   Aug 27 07:03:00 1990
Posted: Mon Aug 27 13:03:00 1990

>If you do move out of state can you get new plates in the other state
>with the same call?

>Jeff Crilly (N6ZFX)

I know you can in Texas. I have seen several Texas call plates with district numbers other than five in this area.

Steve Dakin
wq5n

From 4899298286668156451
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c3ca40e4b885b656,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 05:16:38 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!ryn.esg.dec.com!ultnix.enet.dec.com!taber
From: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Newsgroups: rec.ham-radio
Subject: Re: _Pump Up the Volume_ bad for amateur radio?
Message-ID: <1990Aug27.081638@ultnix.enet.dec.com>
Date: 27 Aug 90 12:16:38 GMT
References: <1078@tsdiag.ccur.com> <9008221353.AA17393@tilde>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Organization: KC1TD@KB4N.NH.USA.NA.EARTH.SOLAR_SYSTEM.UNIVERSE.MIND_OF_GOD
Lines: 72
Posted: Mon Aug 27 13:16:38 1990

In article <1078@tsdiag.ccur.com>, davet@tsdiag.ccur.com (Dave Tiller N2KAU) writes:
|> [...]   ...it might make sense to require
|> stores to see a copy of your license before buying anything that transmits.
|> Before you rent a plane, you gotta show your license.

That's because the renter is concerned with identifying you in case of theft and is also concerned with liability laws. You don't need a pilot's license to build or buy an airplane.

|> Before you rent a car, they gotta see your license.

Same thing. You don't need a license to buy or build a car.

|> Before you go fishing in a managed area, you gotta show your license.

You're probably thinking of some law local to you. It's not a general thing. But in any case, fishing licenses don't prove you know how to fish -- they're just a method of collecting taxes. Not a good comparison.

|> Before you buy a handgun (in some places) you gotta show your license.

But not all places. Flawed again. In NH you have to show your driver's license. Maybe this means we shouldn't sell transmitters unless the purchaser can show a dog license, it makes as much sense.

|> Before you buy alcohol, you gotta show your ID.

HA,HA,HA,HA,Ha,Ha,Ha,ha,ha,ha! You kill me! What a sense of humor.

|> This idea isn't without precident.

But it IS totally without merit. Maybe that can make up for it.

In the case of hams, though, there could be one
|> exception. If you're trying to get a ham ticket, and you want to buy a
|> transceiver, a signed affidavit from a licensed ham stating that you're under
|> his supervision and that you'll be responsible if the aspiring ham messes up,
|> until he gets his license for real. (Elmers still exist, don't they?) I
know
|> that new laws are usually stupid and not thought out, but this one might
|> actually make sense.

No, I'm sorry, it's stupid and not well thought out. It was stupid and not well thought out when Phil Howard proposed the same thing last year. Who the hell are you to tell me that I need a note from some overbearing old fart that says I'm *allowed* to have a radio because I'm being supervised? Beyond that, what is the liability if I (as an overbearing old fart) certify someone who decides not to get a license? Do I have the right/responsibility to confiscate the radio? Does the store that sold it have to buy it back at full price even though it took a few years for the owner to decide they'd never take the test? What are the people at flea markets supposed to do? What happens in the case of private sale? What if you don't live anywhere near a ham and so don't have an overbearing old fart who'll sign your note? What if your license expires, but you still have an old transmitter in the garage?

I know you're trying to come up with a solution to something you percieve to be a problem. I don't believe it is as big a problem as people who like to worry about it wish it were. In the only instances above where you cited licenses that are supposedly proof of ability to operate (cars and airplanes), there is no precedent for making a license required to buy the item whose operation is restricted. It is illegal to operate a ham transmitter without a license. The FCC *is* prosecuting cases where unlicensed operation takes place. There is no need for a "fix" that will open up a whole rat's nest of liability problems and make it even harder for new hams to join up.

--

>>>==>PStJTT
Patrick St. Joseph Teahan Taber

My employer doesn't care what I think. I, in turn, don't care what
you think. You probably don't care what my empolyer thinks. Thus is
life a circle.

From -8144068689909288369
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,27857e33d75ac520,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 05:58:23 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!decwrl!sgi!cdp!crosenberg
From: crosenberg@cdp.UUCP
Newsgroups: rec.ham-radio
Subject: Sangean ATS 803A
Message-ID: <241200006@cdp>
Date: 27 Aug 90 04:46:00 GMT
Lines: 23
Nf-ID: #N:cdp:241200006:000:1171
Nf-From: cdp.UUCP!crosenberg   Aug 26 21:46:00 1990
Posted: Mon Aug 27 05:46:00 1990

I have a non-working radio for parts or repair.
Best offer takes it. Looks new on the outside, never been opened.
So far the high bid is $30. I have a owner's manual which contains
a reduced size schematic that would be usuable if you enlarged it.
The product is featured in the Grove Enterprises catalog and is sold
under several other brand names. It is identical to the Realistic
DX 440 for example. Current Grove price is $196.00 plus shipping.

Here's a little more info on the unit:
AM/SSB/CW reception from 150 kHz to 30 MHz
FM from 87.5-108 MHz
Keypad frequency entry and tuning dial. Illumninated LCD freq. readout
Scanning with 9 memory channels. Wide/Narrow selectivity switch.
Bass and treble controls. Direct selection of 12 SW broadcast bands.
Clock with preset freq. alarm and sleep function. Battery or AC power.
Headphone jack for stereo FM listening. Five step led signal strength indic.
BFO and RF gain control. External antenna jack.
UUCP...........................uunet!pyramid!cdp!crosenberg
Bitnet.......................cdp!crosenberg%labrea@stanford
Internet..............................hplabs!cdp!crosenberg

Charlie Rosenberg

From -8294121618699962278
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,143ea2b64ef8b869
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 10:31:09 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!

decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!ryn.esg.dec.com!ultnix.enet.dec.com!taber
From: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Newsgroups: rec.ham-radio
Subject: Re: Bad attitude(s) of Hams (long) (was Ham radio FLAME)
Message-ID: <1990Aug27.133109@ultnix.enet.dec.com>
Date: 27 Aug 90 17:31:09 GMT
References: <1382@necis.UUCP> <5586@plains.NoDak.edu> <1729@yenta.alb.nm.us>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick St. Joseph Teahan Taber)
Organization: KC1TD@KB4N.NH.USA.NA.EARTH.SOLAR_SYSTEM.UNIVERSE.MIND_OF_GOD
Lines: 33
Posted: Mon Aug 27 18:31:09 1990

In article <1382@necis.UUCP>, rbono@necis.UUCP (NM1D) writes:
|> The various levels of Amateur Radio licenses were not designed to generate
|> a 'caste' system.   There has never been anything that states that an
|> Extra class licensee is in any way better than a Novice licensee!!

Gee, I don't want to be the one who speaks the discouraging word after your wonderful and should-be-true-even-if-it-ain't posting. For the most part, I genuinely agree that it is attitude that makes the ham, and that people should realize that usenet isn't ham radio. (That's why I support the creation of rec.radio.ham.armchair_lawyers -- so my kill file doesn't have to do all the work.)

However, I think you're mistaken on the caste system issue. The additional frequencies I got as an Advanced are not even slightly related to the additional privileges provided by the license. In fact, there are no additional privileges besides the HF frequencies. When I upgrade to Extra, I'll get a few more slivers of HF frequencies that are in no way related to space operation or being a VE, which are the only new privs bestowed. Clearly, there was effort put into designing a system that creates castes.

To me, in human terms, it makes sense -- the design seems pretty much a copy of the mind-set of the times it was created in. The fact that the design is considered faulty by today's standards is somewhat beside the point. Change will happen, even if it doesn't happen at the pace some people wish for. But there is clearly a designed-in bias which makes it easy to develop an attitude of superiority/inferiority based on license class.
--
>>>==>PStJTT
Patrick St. Joseph Teahan Taber

My employer doesn't care what I think. I, in turn, don't care what you think. You probably don't care what my empolyer thinks. Thus is life a circle.

From 4033038138101866750
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,715af23b59edce5b,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-08-27 10:34:01 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: Error in ICOMs TECH TALK-QST / FCC turnaround time / Tech Question.
Message-ID: <90@thoreau.nsc.com>
Date: 27 Aug 90 13:49:12 GMT
References: <1990Aug21.053117.7137@midway.uchicago.edu> <89@thoreau.nsc.com> <10323@pt.cs.cmu.edu>
Organization: National Semiconductor, S. Portland, Maine
Lines: 20
Posted: Mon Aug 27 14:49:12 1990

In an earlier article I (Ron Todd) write:
> > Gary, it could be either. What is a 6db voltage (or current) ratio is also
> > a 3db power ratio.

The opperative word was ment to be RATIO. A 2:1 voltage ratio is 6dB while a 2:1 power ratio is 3dB. Maybe what I said didn't sound like what I said. The

There was a lot of discussion about S-unit definitions back in the 40's thru 60's, ARRL handbook gives some hint about it, the relevant text is unchanged except for typos from 1978 thru 1990. Some manufacturers wanted a base s-9 to be 50uV others 100uV, the variation in scale factor was from 3dB to 6dB in definition and from 3dB to 8dB in practice. In the past receiver sensitivity was specified in microvolts, currently it is appropriate to specify receiver sensitivities in decibels relative to miliwatts. As a result, the dB definintion of an S-unit could be viewed as having changed; a doubling of the microvolts would result in a 6dB S-unit scale while a doubling of the miliwatts would result in a 3dB S-unit scale. So, Gary, it could be either.

Ron K3FR

From -7835617941139946713
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7259dfb72bab76f1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 11:53:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!apple!netcom!teda!ditka!zinn!ubbs-nh!wa1omm!paul
From: paul@wa1omm.UUCP (Paul MacDonald)
Newsgroups: rec.ham-radio
Subject: WEFAX and GOES Schedule
Message-ID: <paul.4414@wa1omm.UUCP>
Date: 27 Aug 90 18:53:54 GMT
Lines: 87
Posted: Mon Aug 27 19:53:54 1990

The following is the WEFAX Schedule as of 02-AUG-1990. All transmitted maps are black on white with the exception of the GOES photos. The latter are grey-scale. All transmissions are 120 lines per minute. If your TNC has a WEFAX mode, you'll be able to copy these maps very well. The GOES photos will even give you a good indication of cloud cover even if you lack grey-scale capability.

Times UTC	Transmitted Data
0000	Schedule of Transmissions
1200	NMC Boundary Layer Analysis
0015/1215	850MB. Ht/Temp/Wind 36 Hour Prog
0030/1230	500MB. Ht/Temp/Wind 36 Hour Prog
0045/1245	500MB. Ht/Temp/Wind 48 Hour Prog
0100/1300	Surface Pressure 36 Hour Prog (South Atlantic)
0115/1315	Surface Pressure 48 Hour Prog (South Atlantic)
0130/1330	500MB. Pressure 36 Hour Prog (South Atlantic)
0145/1345	500MB. Pressure 48 Hour Prog (South Atlantic)
0200/1400	GOES Satellite CH. 02 (Full Disk)
0215	NMC Extended Surface
1415	NMC 200MB Ht Analysis
0230/1430	Open Period
0240/1440	RAFC SIG WX 12 Hour Prog (FL250-FL600)
0250/1450	NMC 36 Hour 500MB Ht/Isotach Prog
0300/1500	NMC 24 Hour 500MB Ht Change
0315/1515	NEOC 36 Hour Prog Blend
0330/1530	NWS Radar Summary
0345/1545	Surface Pressure Analysis
0400/1600	500MB. Pressure Analysis (South Atlantic)
0415/1615	FNOC Preliminary Surface Analysis (North Atlantic)
0430/1630	Surface Trop Pressure/Wind Analysis
0445/1645	Open Period (Tropical Warnings)
0500/1700	NMC NGM 24 Hour Prog
0515/1715	GOES Satellite CH. 14 (Gulf of Mexico)
0530/1730	Bracknell 24 Hour Surface Prog
0545/1745	GOES Satellite CH. 15 (North Atlantic)
0600/1800	NMC NGM 48 Hour Prog
0615	NMC Radar Summary
1815	NEOC Sea Ht Analysis
0630/1830	850MB. Ht/Temp/Wind Analysis
0645/1845	700MB. Ht/Temp/Wind Analysis
0700/1900	500MB. Ht/Temp/Wind Analysis
0715/1915	300MB. Ht/Temp/Wind Analysis
0730/1930	Surface Pressure/Wind 12 Hour Prog
0745/1945	GOES Satellite CH. 14 (Gulf of Mexico)
0800/2000	Surface Pressure/Wind 24 Hour Prog
0815/2015	Surface Pressure/Wind 36 Hour Prog
0830/2030	NMC 24 Hour Sig Weather
0840/2040	NMC 36/48 Hour Sig Weather
0850	Bracknell 48 Hour Sig Wave
2050	NEOC 84 Hour Prog Blend
0905/2105	Sig Wave Ht 24 Hour Prog
0920/2120	Surface Pressure Analysis Preliminary (06&18Z)
0935/2135	200MB Ht/Temp/Wind 24 Hour Prog
0950/2150	Open Period (Tropical Warnings)

1000/2200	NEOC 12 Hour High Wind/Sea Warnings
1015/2215	850MB. Ht/Temp/Wind 24 Hour Prog
1030/2230	700MB. Ht/Temp/Wind 24 Hour Prog
1045/2245	500MB. Ht/Temp/Wind 24 Hour Prog
1100/2300	400MB. Ht/Temp/Wind 24 Hour Prog
1115/2315	GOES Satellite CH. 15 (North Atlantic)
1130/2330	300MB. Ht/Temp/Wind 24 Hour Prog
1145/2345	Freezing Level 24 Hour Prog

Frequencies*	Times
3.357	continuous
8.080	continuous
10.865	continuous
16.410	0900-2100Z
20.015	1200-2100Z

*Compensate for sideband. 8.080 is actually 8.0780 USB.

--

```
                    /\  /\
                   //\\//\\
      +---------------------------------------------+
      | From the shack of WA1OMM -- Paul MacDonald |
      | Using the power of the multitasking Amiga! |
      |                                             |
      | Compuserve: 70411,626   PLink:  UPPERCRUST |
      | Amateur Packet Radio:   WA1OMM@KB4N.NH.USA |
      +---------------------------------------------+
                   \\//\\//
                    \/  \/
```

From 2078445350876011459
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,333ab682eb545434,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 12:47:42 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!emory!hubcap!bjb
From: bjb@hubcap.clemson.edu (BJ Backitis)
Newsgroups: rec.ham-radio
Subject: Satellite Tracking Software query
Message-ID: <10222@hubcap.clemson.edu>
Date: 27 Aug 90 14:28:02 GMT
Organization: Clemson University, Clemson, SC
Lines: 30
Posted: Mon Aug 27 15:28:02 1990

I'm getting ready to purchase software for my IBM (clone) PC... 386, 25MHz, no co-processor, Super VGA (800x640). I've narrowed the choices down to InstantTrak and QuickTrack (both available thru AMSAT), but I'm not sure how to choose between the two. Could anyone out there who has

used (or seen) either of these products please offer any recommendations
or comments? With the SAREX launch upcoming, I'd like to get this as
quick as possible.

Also, does anyone know if AMSAT will take a phone order with a credit
card?

Also ^2, I'm not currently an AMSAT member, which means an extra $20 on
the cost of either of the two packages. The annual dues are $30, which
would be an extra $10 more. What EXACTLY are the benefits of joining
AMSAT, besides the lower price on the software (and the knowledge that I
am helping out financially to support their work, which I know is
important)?

TNX in advance!

73 de BJ, KM4RB

```
--
BJ Backitis (KM4RB)        | BJB@CLEMSON.BITNET     | "There are a great many
Info. Systems Development | BJB@HUBCAP.CLEMSON.EDU | people in this country
Clemson Univ. Division of | {...}!emory!hubcap!bjb | who, through no fault of
Comp. & Info. Technology  | All usual disclaimers  | own, are sane."
```

From -4411398855517250770
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4ed0939d1cf91e66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 12:49:30 PST
Path: gmdzi!unido!mcsun!uunet!samsung!rex!rouge!pc!jpd
From: jpd@pc.usl.edu (Dugal James P.)
Newsgroups: rec.ham-radio
Subject: Re: Geographic data base site?
Message-ID: <13714@rouge.usl.edu>
Date: 27 Aug 90 15:08:23 GMT
References: <6875@jjmhome.UUCP>
Sender: anon@rouge.usl.edu
Organization: Univ. of Southwestern La., Lafayette
Lines: 14
Posted: Mon Aug 27 16:08:23 1990
Originator: jpd@pc.usl.edu

In article <6875@jjmhome.UUCP> km3t@jjmhome.UUCP (Dave Pascoe KM3T) writes:
>I can't find the posting but I'm looking for the name of the site,
>reachable on Internet (via telnet), that gives town information (county,
>etc., etc.) when given a zip code. I though it might be at

Dave, try martini.eecs.umich.edu; telnet to port 3000.

73,

--
-- James Dugal,   N5KNX   Internet: jpd@usl.edu
Associate Director   Ham packet: n5knx@k5arh
Computing Center   US Mail: PO Box 42770 Lafayette, LA 70504
University of Southwestern LA.   Tel. 318-231-6417 U.S.A.

From 1372443655923463198
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,988349ca4c4e0a85,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 12:50:00 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9008271441.AA23013@tilde>
Date: 27 Aug 90 14:41:58 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Mon Aug 27 15:41:58 1990

I use a DB Products 5/8 mag-mount on my Ranger pickup. It does at least as good a job for my 25-watt rig as a 1/4 wave hole mount on as similar vehicle with a 40-watt rig. The only problem I have with it (and it's not really a problem - just an inconvenience) is I have to watch out and not use parking garages unless I tilt it over first. I could have gotten one with a spring attached if I had been thinking.... oh well. I ran my coax to the bed-illumination light and fabricated a metal plate to replace the light itself. I mounted an SO-239 connector on the plate, ran the co-ax to that, and cut off all but a short piece of the coax that came with the antenna. This way, I can use it on my XYL's car (after lots of QRM) for temporary installation, using an extension piece of coax. I like the mag-mount.
73,   Dube   N5PDK

From -3473992412710922693
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d9309d20914be40d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 12:51:45 PST
Path: gmdzi!unido!mcsun!uunet!wang!tegra!vail
From: vail@tegra.COM (Johnathan Vail)
Newsgroups: rec.ham-radio
Subject: Re: IC-24AT Questions
Message-ID: <1321@atlas.tegra.COM>
Date: 27 Aug 90 14:47:46 GMT
References: <9008190556.AA27084@ucsd.edu> <1380@necis.UUCP>
Organization: Tegra-Varityper, Inc., Billerica, MA
Lines: 28

Posted: Mon Aug 27 15:47:46 1990
In-reply-to: rbono@necis.UUCP's message of 23 Aug 90 13:54:04 GMT

In article <1380@necis.UUCP> rbono@necis.UUCP (NM1D) writes:

```
   In article <9008190556.AA27084@ucsd.edu>, faunt@CISCO.COM (Doug Faunt N6TQS
415-688-8269) writes:
   > The BP-90 as supplied cannot be recharged, as far as I can tell.
                  ^^^^^^^^^^^^^^^^^^^
     The author mentioned his information came from an R1.... I have the IC-24AT
   (USA version) and have just purchased the BP-90 (this allows one to use "AA"
   alkaline or NICAD cells)... The manual (sheet) that came with the BP-90 states
   that it CAN be charged either with the IC-24AT or the AD-14??? (I am not
   sure of this adapter number, not having the instructions in front of me now).
```

The IC-24 will charge NiCds in the BP-90.

The clip on style charger will also.

The drop in quick charger WILL NOT. There are no connections on the
outside and no current sense dimples either.

Hope this helps...jv

"Those who would sacrifice liberty for security,
deserve neither." Ben Franklin

```
 -----
|     | Johnathan Vail | n1dxg@tegra.com
|Tegra| (508) 663-7435 | N1DXG@448.625-(WorldNet)
 -----  jv@n1dxg.ampr.org {...sun!sunne ..uunet}!tegra!vail
```

From -3227260582081409624
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd2a45bb7b084ca3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 14:26:17 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!SACEMNET.AF.MIL!lwrclmr
From: lwrclmr@SACEMNET.AF.MIL ("LWRCLMR")
Newsgroups: rec.ham-radio
Subject: Somebody Famous
Message-ID: <9008271602.AA23217@ucsd.edu>
Date: 27 Aug 90 15:57:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 26
Posted: Mon Aug 27 16:57:00 1990

RE the policies and standards issue, I know it's old, because I have been using
this as a disclaimer for some time. It was taped to a desk I inherited over 15

years ago. As for KHz vs kHz, anyone who has brains enough to pour water out of a boot will know it means kilohertz, so what difference does it make? I average about 5 digests a day from this news group and 90 percint of it is wasted airspace, so I figured i might as well add to it.

Press on with pride. It's obvious most of the posters don't read what they write.

```
******************************************************************************
Michael Barnes                      *   The nice thing about policies
InterNet: LWRCLMR@SACEMNET.AF.MIL   *   and standards, is that there
HamNet: WA7SKG@N8IYB                *   are so many to choose from.
BellNet: 906-346-2811               *   If you don't find any you
DS Net: 472-2811                    *   like, simply wait for next
Snail Net: 2001CS/XP                *   years models!
           K.I. SAWYER AFB, MI      *
                     49843-6346     *
******************************************************************************
DISCLAIMER: The ideas, comments, remarks, replies, insinuations,
innuendos, flatuations, and any other conceivable or inconceivable
outputs presented here, real, imagined, or implied, simply do not
exist.  The names are real, the stories have been changed due to
simple boredom.
******************************************************************************
```

From 2224847109561590709
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e70b1cd1de3fe815
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 14:28:26 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: More on "Pump up the volume"
Message-ID: <90.26D8798E@w8grt.fidonet.org>
Date: 27 Aug 90 01:32:02 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 25
Posted: Mon Aug 27 02:32:02 1990

> From: louie@sayshell.umd.edu (Louis A. Mamakos)
> Date: 24 Aug 90 23:37:28 GMT
> Organization: The University of Maryland, College Park
> Message-ID: <1990Aug24.233728.14907@haven.umd.edu>
> Newsgroups: rec.ham-radio
>
>
> Has anyone actually seen this movie yet? Or are we flaming about
> something
> which may only have a minor, passing reference to amateur radio that

> only
> amateurs might take notice of?

I haven't seen it, but I've seen a couple reviews - both highly favorable. If
it's a 'hit', we'd better think twice about coming out against it. [:-)

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From -2671780625728945 40
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,987bd88608fc8b7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 14:46:57 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!joehol
From: joehol@microsoft.UUCP (Joseph HOLMAN)
Newsgroups: rec.ham-radio
Subject: Re: The people's satellites...
Summary: low power...
Message-ID: <56937@microsoft.UUCP>
Date: 27 Aug 90 16:32:24 GMT
References: <1c5ZN2w162w@tosspot.UUCP> <15514@unix.SRI.COM>
Organization: Microsoft Corp., Redmond WA
Lines: 25
Posted: Mon Aug 27 17:32:24 1990

In article <15514@unix.SRI.COM>, larson@snmp.sri.com (Alan Larson) writes:
> In article <1c5ZN2w162w@tosspot.UUCP> root@tosspot.UUCP (Rodney Q. Root, ESQ)
writes:
>
>
>   It really seems to me that Phase-3 satellites never quite met
> their promise. The signals are too weak, the uplink powers needed
> are too great for it to be practical for many of us. What ever
> came of the claim that a couple of small yagis, 10 watts of 435 MHz
> and a 145 MHz receiver would do the job? With that, I could barely
> hear the CW beacon of AO-10.
>
>
> wa6azp

i just worked a guy last night that was running 8 watts on AO-13
and he was 5x7 - very nice signal !!! he was running a homebrew
10 element 435MHz antenna, and i was using an old 2m cushcraft
antenna (w/ an ok preamp) on my side -- i'd say this adequate

equipment was doing a pretty good job...

joe ka7ldn

ps. phase3-d should help, the uplink power level requirements will be less, and it will downlink more power than phase3-c.

```
From 733236999896186668
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e8d2e7479a299a4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 14:52:17 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!zaphod.mps.ohio-state.edu!
unix.cis.pitt.edu!hpb
From: hpb@unix.cis.pitt.edu (Harry P Bloomberg)
Newsgroups: rec.ham-radio
Subject: Good ham publicity from MARS
Message-ID: <32250@unix.cis.pitt.edu>
Date: 27 Aug 90 18:42:15 GMT
Reply-To: hpb@unix.cis.pittsburgh.edu (Harry P Bloomberg)
Organization: Univ. of Pittsburgh, Comp & Info Sys
Lines: 33
Posted: Mon Aug 27 19:42:15 1990
```

Thought youns would find the following interesting:

73,
Harry WA3TBL
hpb@hpb.cis.pitt.edu

===

KANSAS CITY, Mo. (UPI) -- US Sprint has expanded its Military Affiliate Radio System to allow military personnel stationed in the Middle East to call loved ones back home for no charge in the event of an emergency, the company saidMonday.

The MARS program, which uses a combination of amateur radio operators and US Sprint's digital fiber-optic long-distance network, has been used as a calling program for military personnel for seven years.

Medical calls from the hospital ships ``Mercy'' and Comfort'' and all emergency calls put through by the Red Cross will be completed for free, company officials said.

``This program has meant a lot to service personnel during holidays, and we felt it might be needed now more than ever,'' said Ron LeMay, president of US Sprint.

``We are glad to provide this service at a very difficult and stressful time for military personnel and their loved ones back home,'' he said.

Under the program, amateur radio operators in the United States will receive calls through MARS radio carrier signals in the Middle East. The calls then will be put into the US Sprint network and routed to their destination without charge.

The MARS program has allowed military personnel to place free calls on Christmas, Thanksgiving, Independence Day and other holidays.

US Sprint is a unit of United Telecommunications Inc., which has headquarters in Kansas City.

From 7090407911743013637
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e725aeb917306889,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 14:59:47 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!ucbvax!D15VS178A.SPACE.SWRI.EDU!ROsman%ASS%SwRI05
From: ROsman%ASS%SwRI05@D15VS178A.SPACE.SWRI.EDU
Newsgroups: rec.ham-radio
Subject: A Db is a dB is a DB is a db
Message-ID: <9008271845.AA03145@ucsd.edu>
Date: 27 Aug 90 14:15:22 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Mon Aug 27 15:15:22 1990

A 3 dB change in a single (roughly) doubles it's power. Period. All things being equal, a 6 db change in a signal will double it's voltage. Since all things ARE the same, doubling the voltage will double the current, quadrupling the power.

The conceptual problem that most people seem to have trouble with is that you can't change any parameter in a vacuum. Ohm's law applies in any real world application that you are likely to consider. (Ohm's law is like Newton's, there ARE cases where it doesn't apply, but few of us are likely to encounter them).

More Trivia... The dB stands for Decibel, that is Deci-Bel, or 1/10th of a "Bel". The Bel is a unit of _power_ devised for measuring sound levels by, you guessed it, Bell system engineers (in the 20's? teens?, I dunno). It turned out to be a little big for it's original intended purpose, so it was subdivided into the decibel. The original goal was to develop a unit of measure that represented sound power changes as percieved by listeners.

The decibel turned out to be very convenient for a whole bunch of applications because it simplified the mental math required. Complex multiplication became relatively simple addition.

Oz (Rich Osman, WB0HUQ)
INTERNET: ROsman%ASS%SwRI05@D15VS178A.SPACE.SwRI.EDU

From 3214869398649289953
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe89040f7508c734,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 15:01:11 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Mag mounts vs. drilled mounts (Was Re: Ham car license plates in CA)
Message-ID: <44305@apple.Apple.COM>
Date: 27 Aug 90 18:55:06 GMT
References: <9008201720.AA03242@hls.com> <7880258@hpfcdc.HP.COM>
<2869@wyse.wyse.com> <17868@ucsd.Edu>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 34
Posted: Mon Aug 27 19:55:06 1990

In article <17868@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>
>MAG-MOUNTS??!?!
>
>Golly, Vicki, I'd be just mortified to scratch our beemer! Why, we use
>nothing but vintage perrier to polish the bumpers....
>
>Seriously, mag-mounts are sh**ty antennas. You usually get superior
>performance by DRILLING a HOLE in the car and doing a real installation.

Maybe so, but in many cases people might not *need* superior performance.
I've gotten along just fine for years with mag mounts. Unless you're
marginal into the repeater (or into the other station if you're working
simplex), who needs the extra oomph?

I thought that drilling a hole in my 1971 Opel GT wouldn't be traumatic
since it was so old and a little banged up. But after I did it, I swore
I'd never do that to a car again.

It all comes down to needs and priorities. If mag mounts or clip-ons
are working fine, why drill holes?

Patty

p.s. Thanks for the tip on the Perrier. :-) Does it work on rubber bumpers?
If not, I guess there's no use buying any for the Porsche.... :-)

```
--
*****************************************************************************
Patty Winter N6BIS                          INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                       UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From 6587679864079789972
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c3ca40e4b885b656

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 15:13:34 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Re: _Pump Up the Volume_ bad for amateur radio?
Message-ID: <3859@altos86.Altos.COM>
Date: 27 Aug 90 16:43:31 GMT
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 24
Posted: Mon Aug 27 17:43:31 1990

In article <5586@plains.NoDak.edu>, bezenek@plains.NoDak.edu (Todd M. Bezenek KO0N) writes...
>Has anyone seen an early showing of _Pump Up the Volume_? It is a
>movie about a high school student who uses a ham radio to start his
>own bootleg radio station. It is due to be released on August 22.
>
>   It seems to me that a movie based on radio bootlegging would
>generate a negative attitude towards amateur radio. Any comments?

I saw "Pump up the Volume" this weekend. "Ham" or "amateur" radio is never mentioned at all in the movie. In fact, the only reference at all to the radio equipment used comes when the main character says that his father "bought him a shortwave radio so he could keep in touch with his friends back east." Interestingly, there is no mention about how the pirate uses his "shortwave" radio to broadcast in the FM radio band.

I seriously doubt that anyone seeing this movie will make a connection, negative or otherwise, with amateur radio.

```
--
Jerry Gardner, NJ6A                       Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos86!jerry 2641 Orchard Parkway
Internet: jerry@altos.com                 San Jose, CA  95134
Guns don't kill people, bullets do.                     (408) 432-6200
```

From 4580872104678495708
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,143ea2b64ef8b869
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 15:13:40 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Re: _Pump Up the Volume_ bad for amateur radio?
Message-ID: <3860@altos86.Altos.COM>
Date: 27 Aug 90 16:55:13 GMT
References: <5586@plains.NoDak.edu> <144@ssc.UUCP> <3847@altos86.Altos.COM> <1077@tsdiag.ccur.com>

Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 26
Posted: Mon Aug 27 17:55:13 1990

In article <1077@tsdiag.ccur.com> davet@tsdiag.ccur.com (Dave Tiller N2KAU) writes:

}I don't police the whole RF spectrum - just the parts I'm licensed (or
}granted) to use. I'm a ham, so violations in my part of the ham bands
}bother me. I also use a cordless phone. People running illegal transmitters
}that interfere with my phone bother me. If the movie _pump up the volume_
}depicts an unlicensed kid using an _amateur_ tranceiver to broadcast an
}illegal radio program, then what frequencies do you think he'll be using?
}_AMATEUR FREQUENCIES_!!! What frequencies will all of the copycat morons
}be using? _AMATEUR FREQUENCIES_!!! That bothers me. If he's using an
}AM or FM band transmitter, and he's not causing interference to another
}station, I don't care. If he's clobbering another station (unlikely),
}then I'll mention it to the FCC.

Go see the movie, and then comment. The kid in the movie is broadcasting on the FM broadcast band, not "_AMATEUR FREQUENCIES_". The movie doesn't depict the kid as using an amateur transceiver, in fact, very little mention is made of the equipment used.

--
Jerry Gardner, NJ6A   Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos86!jerry 2641 Orchard Parkway
Internet: jerry@altos.com   San Jose, CA 95134
Guns don't kill people, bullets do.   (408) 432-6200

From 8161164300341458671
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,997d5470096e77b0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 15:39:49 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!apple!vsi1!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: Ham car license plates in CA
Message-ID: <2872@wyse.wyse.com>
Date: 27 Aug 90 19:24:50 GMT
References: <9008201720.AA03242@hls.com> <7880258@hpfcdc.HP.COM> <2869@wyse.wyse.com> <17868@ucsd.Edu>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 14
Posted: Mon Aug 27 20:24:50 1990

In article <17868@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>MAG-MOUNTS??!?!
>
>Seriously, mag-mounts are sh**ty antennas. You usually get superior
>performance by DRILLING a HOLE in the car and doing a real installation.

All things are relative...they are replacing a threw-the-window installation..... And there are other considerations like I wind up removing the antennas quite often to use them for ARES type work. For this Mag-mounts are great. Again it's all a matter of your intended use....for me they are the correct answer.

Steve KA6S

From 26834004410210877774
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e70b1cd1de3fe815
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 15:39:56 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!apple!vsi1!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: More on "Pump up the volume"
Message-ID: <2873@wyse.wyse.com>
Date: 27 Aug 90 19:37:01 GMT
References: <19977@orstcs.CS.ORST.EDU> <1990Aug24.233728.14907@haven.umd.edu>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 23
Posted: Mon Aug 27 20:37:01 1990

In article <1990Aug24.233728.14907@haven.umd.edu> louie@sayshell.umd.edu (Louis A. Mamakos) writes:
>
>Has anyone actually seen this movie yet? Or are we flaming about something
>which may only have a minor, passing reference to amateur radio that only
>amateurs might take notice of?
>
>louie, WA3YMH

Yep, I saw it this weekend and thoroughly enjoyed it. First off, ham radio is mentioned EVER. I didn't see a single piece of ham gear in the movie. I did see what looked like an old HP signal generator(you know...the hernia producing type) being used as the transmitter(he went mobile with it? ;-)

The only group that came out looking stupid was the FCC. The guy protraying the head of the local FCC office (or whatever) had the last name of Watt? Wonder if that was in reference to a unit of power or a certain ex-secretary of the interior ;-)

Anyway the movie brought back lots of memories of my nefarious
youth, i.e. I had a good time.

73's de Steve KA6S

From 5636978213222301128
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,be56813147a93649,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,be56813147a93649,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-08-27 16:15:39 PST
Path: gmdzi!unido!mcsun!uunet!isis!scicom!wats
From: wats@scicom.AlphaCDC.COM (Bruce Watson)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Weird sigs on 12.280MHz
Summary: I've heard it too.
Keywords: weird
Message-ID: <6070@scicom.AlphaCDC.COM>
Date: 27 Aug 90 19:55:38 GMT
References: <3708@radio.oakhill.UUCP-
Followup-To: poster
Organization: Alpha Science Computer Networks, Denver, Co.
Lines: 14
Xref: gmdzi rec.ham-radio:14360 rec.radio.shortwave:1978
Posted: Mon Aug 27 20:55:38 1990

In article <3708@radio.oakhill.UUCP-, charlie@oakhill.UUCP (Charlie Thompson)
writes:
- While working on an HF receiver last night I stumbled across
- this LOUD station on 12.280 MHz. It was about 10KHz wide
- and broadcasting a strange buzzing sound. (No it was not one
- of those RTTY stations that sounds like an air squadron). The
- buzz rate had two speeds and the station would switch from one
- to the other in about 5 second intervals, then go silent (no carrier)
- for about 10 seconds. I heard this at about 10:00 c.d.t on 8/21/90.
- Sounded like a phazer toy...
-

I've heard this a number of times at various frequencies. It really
sounds like the voice of doom. They have several tones and sequences.
Could it be an 'over-the-horizon' radar?

From -3624286623344827694
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e3b835f4a4d88792,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 16:24:35 PST
Path: gmdzi!unido!mcsun!uunet!cos!hqda-ai!media!csense!bote
From: bote@csense.uucp (John Boteler)

Newsgroups: rec.ham-radio
Subject: Re: Modify cellphone h/w for ham use anyone?
Message-ID: <1990Aug27.061724.1795@csense.uucp>
Date: 27 Aug 90 06:17:24 GMT
References: <12280012@hpspdra.HP.COM>
Organization: Common Sense Computing, McLean, VA.
Lines: 26
Posted: Mon Aug 27 07:17:24 1990

From article <12280012@hpspdra.HP.COM>, by henryb@hpspdra.HP.COM (Henry Black):
> Anyway, though naturally careful not to give out
> any sensitive information he told me it's possible to use everyday
> cellphone hardware as a transceiver subsystem with 850MHz or so IF
> and upconvert to microwave.
> Other experimenters' opinions are sought!
> Also does anyone know what brand names Philips/Signetics cellphones are
> sold? (In US? In Europe?)

A friend of mine who works on cellular phones tried to simply move
the operating band of the thing up to the 900+MC ham band. Without
much other effort, it was fairly useless up there. The circulator/
duplexer doesn't hack it obviously, and the receiver and transmitter
pooped out pretty much.

It would take some component changes, meaning some custom machine
work, but I think his basic idea was sound.

We had intended to use these as link transceivers for a repeater system.
Right now we're using 450MC stuff, and it is getting crowded down there!

Any other thougths?

--
John Boteler   bote@csense.uucp   {uunet | ka3ovk}!media!csense!bote
SkinnyDipper's Hotline: 703-241-BARE | VOICE only, Touch-Tone(TM) signalling

---

From -1303615651725841334
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,143ea2b64ef8b869
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 16:24:44 PST
Path: gmdzi!unido!mcsun!uunet!cos!hqda-ai!media!csense!bote
From: bote@csense.uucp (John Boteler)
Newsgroups: rec.ham-radio
Subject: Re: _Pump Up the Volume_ bad for amateur radio?
Message-ID: <1990Aug27.062350.1855@csense.uucp>
Date: 27 Aug 90 06:23:50 GMT
References: <1077@tsdiag.ccur.com>
Organization: Common Sense Computing, McLean, VA.
Lines: 31
Posted: Mon Aug 27 07:23:50 1990

From some article by davet@tsdiag.ccur.com (Dave Tiller N2KAU):
> If the movie _pump up the volume_
> depicts an unlicensed kid using an _amateur_ tranceiver to broadcast an
> illegal radio program, then what frequencies do you think he'll be using?
> _AMATEUR FREQUENCIES_!!! What frequencies will all of the copycat morons
> be using? _AMATEUR FREQUENCIES_!!! That bothers me.

Good!

Wake 'em up!!

By the way, I saw the movie last night, so that I get MY facts straight.

The phrase "amateur radio", "ham radio", or the like was never mentioned.

"My dad gave me this shortwave radio so I could talk to my friends
back in New York."

He was on "92" (megacycles?). Unless that's some newfangled repeater
frequency, then I have never heard of it on any ham band.

There are quite a few FM exciter and amplifier kits available to
those who seek them out. Some are actually pretty decent, with
stereo encoders available as options.

Whadda ya all afraid of? Some pirate will have something substantive
to say while the rest of you are screaming blue murder at each other??

--
John Boteler   bote@csense.uucp   {uunet | ka3ovk}!media!csense!bote
SkinnyDipper's Hotline: 703-241-BARE | VOICE only, Touch-Tone(TM) signalling

---

From -1634195106277477295
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e70b1cd1de3fe815
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 16:29:43 PST
Path: gmdzi!unido!mcsun!uunet!midway!linac!uwm.edu!wuarchive!zaphod.mps.ohio-state.edu!usc!apple!vsi1!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: More on "Pump up the volume"
Message-ID: <2874@wyse.wyse.com>
Date: 27 Aug 90 19:55:43 GMT
References: <19977@orstcs.CS.ORST.EDU> <1990Aug24.233728.14907@haven.umd.edu> <12414@sdcc6.ucsd.edu>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 15
Posted: Mon Aug 27 20:55:43 1990

```
In article <12414@sdcc6.ucsd.edu> mark@kraken.ucsd.edu (Mark Anderson) writes:
>Yes, I have seen the movie.  Ham radio is only mention as a flimsy
>explanation of how the pirate got equipment to broadcast with.  I don't
>remember the exact wording, but it went something like:
>
>"My dad got me this ham set so I could talk with some old friends in
                     ^^^^ just saw it yesterday...it was "shortwave"
>New York. I was never able to contact anyone."
> rest of post deleted...
>mark
```

As per my previous post...I didn't hear the word "ham" or "amateur"
once in the movie.

73's de Steve KA6S

```
From 6035341022574717667
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 141ba5,ebd38c001a5c318f,start
X-Google-Attributes: gid141ba5,public
X-Google-Thread: 10c9e3,ebd38c001a5c318f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-27 18:02:22 PST
Path: gmdzi!unido!mcsun!ukc!slxsys!ibmpcug!gareth
From: gareth@ibmpcug.co.uk (Gareth Howell)
Newsgroups: rec.ham-radio,connect.audit
Subject: CT Logging Program Query
Message-ID: <1990Aug27.183048.25813@ibmpcug.co.uk>
Date: 27 Aug 90 18:30:48 GMT
Organization: The IBM PC User Group, UK.
Lines: 17
Xref: gmdzi rec.ham-radio:14364
Posted: Mon Aug 27 19:30:48 1990
```

In a recent QST a review of the CT computerized logging program was
published. I am very interested to get a copy of this, IF, it can be
modified or customized to work in the UK rather than continental US.
For example, the article referred to CT's operation on the ARRL
Sweepstake contest: can it be modified for some of the RSGB contests
I wonder?

73 Gareth G6KVK
--

Automatic Disclaimer:
The views expressed above are those of the author alone and may not
represent the views of the IBM PC User Group.

--

```
Gareth Howell G6KVK                G6KVK@GB7SPV._332.GBR.EU   UK Packet Network
COMMSYS Limited                    g6kvk@g6kvk.ampr.org       AMPRNET
+44 462 677090                     gareth@ibmpcug.co.uk       UKNET
29 Blackmore, Letchworth, Hertfordshire, SG6 2SX, United Kingdom
```

From -2470547400293134341
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,66bb020acb4992fb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,66bb020acb4992fb,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-08-17 04:18:40 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!
zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio,rec.ham-radio.swap
Subject: Need BPR2000 Pager Schematics
Keywords: pagers
Message-ID: <3687@radio.oakhill.UUCP>
Date: 16 Aug 90 18:10:31 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 7
Xref: gmdzi rec.ham-radio:14042 rec.ham-radio.swap:565
Posted: Thu Aug 16 19:10:31 1990

I am looking for a set of schematics for a BPR2000
Motorola Pager. Anybody out there familiar with
this beast?

Thanks,
C.T
WB4HVD

From -1503620032446368369
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,906277640da612de
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,906277640da612de
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-08-17 04:51:19 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!mips!prls!
pyramid!ctnews!risky!88k3!scott
From: scott@88k3.uucp (Scott Lurndal)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Cellular on unmodified PRO-34???
Keywords: pro34
Message-ID: <562@risky.Convergent.COM>
Date: 16 Aug 90 21:56:52 GMT
References: <3686@radio.oakhill.UUCP>
Sender: root@risky.Convergent.COM
Reply-To: scott@88k3.uucp (Scott Lurndal)
Organization: Unisys Network Computing Group (CT), San Jose, Ca.
Lines: 35
Xref: gmdzi rec.ham-radio:14043 rec.radio.shortwave:1867
Posted: Thu Aug 16 22:56:52 1990

In article <3686@radio.oakhill.UUCP>, charlie@oakhill.UUCP (Charlie Thompson) writes:
> I am hearing what appears to be cellular calls on my
> un-modified PRO-34. They appear in the middle 800 MHz
> band that the '34 allows you to receive. This is
> interesting since the 'excluded' bands of 870-890 is
> where cellular is supposed to be. Am I hearing another
> type of service? I hear all the beeps and squirts you
> normally associate with the audio band signalling of
> a cellular call-in-progress.
>
> What other services besides cellular 'sound' like cellular
> and are located in the frequencies that the un-modified
> PRO-34 receives? I suppose this could be an image I am
> hearing. A friend of mine hears this on his '34 as well.
>
> -Charlie
> WB4HVD

You are receiving an image (at 21.4 Mhz higher) of the cellular frequencies;   My PRO-34 also receives them.   However, once I made the modification to allow cellular, the calls are much clearer and there is no digital signal interference; i.e. when you are using the search mode you only stop on conversations.

The major users of the 800 mhz spectrum (outside of the cellular bands) are so-called trunked radio systems.   Many users, using a combination of CTCSS and a digital channel, multiplex conversations over a fixed number (6 or ten or so) of channels.   The digital channel allows the transceiver to pick an unused channel for each transmission, while the CTCSS prevents other users from hearing transmissions that are not of interest to them (of course since the PRO-34 passes the CTCSS signal, you will hear all users of the channel).

scott.

From 1972944292170286217
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-17 04:52:17 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!mips!prls!pyramid!infmx!randall
From: randall@infmx.UUCP (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: New License Classes
Message-ID: <5006@infmx.UUCP>
Date: 16 Aug 90 18:09:57 GMT
References: <43943@apple.Apple.COM> <26590@usc.edu> <5556@plains.NoDak.edu> <26639@usc.edu>
Reply-To: randall@infmx.UUCP (Randall Rhea)
Organization: Informix, Menlo Park, Ca. U.S.A.

Lines: 19
Posted: Thu Aug 16 19:09:57 1990

I'll throw my hat into the ring with another suggestion for new license classes. How about this:

```
1. "COMMUNICATOR"  2,3A   No code   All priv. above 30mhz (except CW side bands)
2. "GENERAL"         3B   5 WPM     Privs now enjoyed by General Class
3. "ADVANCED"     4A,4B  13 WPM     All amateur privs
```

This seems to be a compromise. Code requirements are greatly reduced, but they remain for the HF bands. "Qualification-based licensing" is reduced, but some elements of it are retained. The novice class license is eliminated, because it no longer makes sense if we're going to have a Communicator class. The novice class will just confuse newcomers ... "Is Novice better or worse than Communicator? ... difficult to answer, since the classes would not be hierarchically structured. The Communicator would be a good entry point into ham radio, since the written exams would not be that difficult, and this class would have good voice privileges. With only 3 classes, the licensing process is simplified.

-Randall KK6MY

From -4049962908248412451
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-17 05:29:54 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: A New War?
Message-ID: <30500682@ux1.cso.uiuc.edu>
Date: 17 Aug 90 03:41:00 GMT
References: <9008101350.AA19126@tilde>
Lines: 35
Nf-ID: #R:<9008101350.AA19126@tilde>:-26:ux1.cso.uiuc.edu:30500682:000:1873
Nf-From: ux1.cso.uiuc.edu!phil   Aug 16 22:41:00 1990
Posted: Fri Aug 17 04:41:00 1990

> If you're only having a pleasant chat with your buddies in the next
> state only 300 or so miles away, then SSB is usually effective, and it
> is usually used. However, if you are really pushing it, if you are
> trying to work a new grid, a new state, someone very far away, if band
> conditions are poor, or if band conditions are good but the station is
> so far away that the signals are almost buried in the noise, then CW is
> essential! I am arguing that since the whole point of weak signal
> communications at VHF and above is breaking records and pushing the
> state of the art, that CW should be required of all licensees that are

> permitted to operate in this section of the band. It is a very useful
> skill (indeed - here it is ESSENTIAL), and reasonable proficiency (~13
> wpm) should be absolutely required.

Ken, that is *NOT* the whole point. To some people, and perhaps even many
people this is the point, and I won't try to tell them that they are wrong.

But where you are wrong is in ASSUMING that everyone subscribes to this
same "point". I for one DO NOT!

I am interested in finding out how far I can push VOICE communication.
Switching to CW or ATV just simply contradicts what I am trying to do.
I'm also interested in ATV and DATA DXing. In fact I am even interested
in CW DXing. But on the day I am doing VOICE DXing, you won't hear me
doing CW DXing.

> Cost effectiveness is not a justification for the CW requirement being
> levied upon licensees granted access to the weak signal portions of the
> VHF/UHF/SHF/EHF/etc. bands. It is just additional information that is
> relevant to the discussion at hand.

How is CW relevant to one who is doing only weak signal VOICE DXing?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 6481874254187501041
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5757e84f018f2a9f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-17 05:31:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 Filing (yet again)
Message-ID: <30500683@ux1.cso.uiuc.edu>
Date: 17 Aug 90 04:05:00 GMT
Lines: 43
Nf-ID: #R:<9008111329.AA08702@cmr.ncsl.nis:-38:ux1.cso.uiuc.edu:30500683:000:2422
Nf-From: ux1.cso.uiuc.edu!phil   Aug 16 23:05:00 1990
Posted: Fri Aug 17 05:05:00 1990

> In article <30500679@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
> >If we do have a no-code license class, it is obvious we still won't get
> >anyone into the hobby unless we go out and promote it. But at least with
> >a no-code license, the (first) big obstacle is out of the way.
>
> ...and if we promoted ham radio properly, people would want to get into
> it badly enough that they'd want to learn the code.

I agree.... with the "if" included. But can we really do it that good?
Can we? If the answer is yes, then why haven't we over the past 20 years?

> This is the fundamental impasse. You claim that your buddy won't get
> into ham radio because of the code requirement; I see it as he hasn't
> been properly sold on the whole hobby. I seriously doubt that either one
> of us will change the other's mind. Unfortunately, the FCC is on your
> side, and will ignore anything I have to say on the subject. I didn't
> even bother sending in comments on the NPRM, since they'd just be
> ignored.

Well, he certain was not convinced of so much a benefit from ham radio that he would go ahead and learn the code. I don't believe we are going to be capable of doing that without a change of image of what ham radio is all about. The retention of the code test, however, is a part of the image of the "OLD Ham Radio". I think people today for the most part are just not interested in it, or have no concept of what it is. There is no "NEW Ham Radio" for them to even consider.

Most people seem to think that what us nocoders are trying to do (and some, I guess, are) is make the costs lower to get in. What I am trying to do is to make the PERCEIVED benefit match the REAL benefits that you and I know are here. The modern day benefits that most new people will be interested in have nothing to do with code. As long as the code is forced upon them, they will perceive ham radio as being a lesser set of benefits unchanged much from the 1920's.

If you can come up with a wait to convince people that the benefits of ham radio far exceed the effort required to get it (code is not that hard) then I am interested. If you have a means to convince 100,000 new people to go take a code test to become a ham, I'll withdraw my FCC petition and comments.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 5958454791474158137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e1eaf85c834160f7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-17 06:35:19 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!apple!voder!pyramid!prls!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: What level should hams homebrew at?
Keywords: was: a new war
Message-ID: <106066@philabs.Philips.Com>
Date: 17 Aug 90 13:35:19 GMT
Sender: news@philabs.Philips.Com
Lines: 21
Posted: Fri Aug 17 14:35:19 1990

In article <1990Aug14.191544.10355@portia.Stanford.EDU> paulf@jessica.stanford.edu
(Paul Flaherty) writes:
>In article <26590@usc.edu> kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
>>Your youngster doesn't have to build his radio, just his DSP equipment.
>
>Again, why? Commercial DSP equipment exists, and more is on the way.
>
The old arguement about what level hams should homebrew on. How about this
one: Some of my friends who grew up in China say that they had to actually wind
their own deflection yolks and flyback transformers when they built their own
TV sets. Noone here (USA) ever does that! It would take too long, to figure
out the design, and to actually wind. Also, one of my friends says that he
built an antenna by using rods of bamboo wrapped with aluminum foil. Because
real aluminum rod is hard to find.
At the other extreme: I once saw someone on rec.ham-radio.packet say that he
builds packet networks, using store bought radios, TNCs, computers, etc.

Neighter of the above is more valid than the other, it just depends what you
want to do, and the resources you have.

73 de WA2ISE

From 4954295279065456824
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95ebbb570094283d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-17 07:54:37 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: A New War? (Really: The old war
Message-ID: <30500685@ux1.cso.uiuc.edu>
Date: 17 Aug 90 04:57:00 GMT
References: <191544@<1990Aug14>
Lines: 15
Nf-ID: #R:<1990Aug14:191544:ux1.cso.uiuc.edu:30500685:000:838
Nf-From: ux1.cso.uiuc.edu!phil   Aug 16 23:57:00 1990
Posted: Fri Aug 17 05:57:00 1990

>   As far as protecting the weak signal portions of the bands from the
> communicators, remember, we have CW only subbands on most of the vhf/uhf
> bands. IF YOU DON'T LIKE PHONE OPS WORKING WEAK SIGNAL, STAY IN THE CW
> SUBBANDS!!! I seriously doubt that all that many communicators are going to
> be interested in weak signal anyhow. I think they'll be too busy yaking on a
> repeater or working packet to care much about us folk who dig the weak ones
> out of the noise (whether ssb or cw!!!)!

Actually only the 6 meter and 2 meter bands have CW-only subbands, therefore
no UHF bands have any. The band plans accomodate this. I don't know if that

is good enough of not.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -6636426379620557933
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93d87eba737d2493
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-17 07:56:03 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: (none)
Message-ID: <30500686@ux1.cso.uiuc.edu>
Date: 17 Aug 90 05:08:00 GMT
References: <9008142051.AA24114@tilde>
Lines: 47
Nf-ID: #R:<9008142051.AA24114@tilde>:-26:ux1.cso.uiuc.edu:30500686:000:2474
Nf-From: ux1.cso.uiuc.edu!phil   Aug 17 00:08:00 1990
Posted: Fri Aug 17 06:08:00 1990

> Phil Howard, still hammering on the code requirement, says that there are
> other reasons why people don't get into ham radio. He says that the CW
> requirement is the first big obstacle to be overcome. OK, let's identify
> some of the other big obstacles. What are they? Technical exams? Rules?
> Operating practices? Cost of equipment?

[included text reordered]

> So, Phil, how about your list of things you believe to be big obstacles to
> entry into the hobby? Something other than CW for a change.

The exams in general are a big problem. We will get to these problems.
The code problem, which may not even be the biggest, is the most glaring.
The squeeky wheel gets the grease and the code test is screeching loud.

> I stated once before, and I think it bears repeating: There are bigger
> reasons for yound people not getting into the hobby than CW. Today there
> are *many, many* more things for them to be interested in than there were,
> say, 30 years ago. There are loads of *affordable* options for entertain-
> ing hobbies, not the least of which is the TV set. Couple that with the
> "Nintendo" games. Add computer hobbying. For those who just want to chat,
> there's CB radio which has no licensing or entry requirements at all!
> Taken together (and there are certainly more pursuits), these account in
> large measure for the waning interest as *radio* as a hobby.

There probably are. Let's get the one before us through now, and get on
with fixing the other possibly bigger problems.

> I agree with Phil that all the advertising in the world won't make many
> people buy something they don't want (actually, none will). But it is also
> true that if people really want something, they will work to get it.

If they know they want it. I agree they would work for it. But if the image of ham radio makes them think they DON'T want it, you have the problem. I believe CW creates this mis-image.

> I believe that if amateur radio has a problem with piqueing the interest
> of youngsters today, it has little to do with the licensing requirements.
> It has a lot to do with the options they have.

Many of the options are here now. Many more could be made available. But if the perception of ham radio is still in the 1930's, they just push the Nintendo cartridge back in.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From 4832113348996579973
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b9f21da5ed108269
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-17 07:56:46 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Comment period for 90-55
Message-ID: <30500687@ux1.cso.uiuc.edu>
Date: 17 Aug 90 05:29:00 GMT
Lines: 25
Nf-ID: #R:<9008161259.AA03628@bunny.gte.co:-34:ux1.cso.uiuc.edu:30500687:000:1483
Nf-From: ux1.cso.uiuc.edu!phil    Aug 17 00:29:00 1990
Posted: Fri Aug 17 06:29:00 1990
```

FCC rules regarding the rulemaking procedures requires that reply comments have a copy "served" (and US mail is apparently adequate) upon the person or entity that filed the comments you are replying to. This is an ordinary practice for all legal proceedings. The only reason you don't have to do this with regular comments is that they are effectively reply's to the FCC's Notice of Proposed RuleMaking, and since you are sending them TO the FCC, that takes care of it.

If you are unfamiliar with how to file reply comments, I strongly urge you to get a copy of, and read, FCC rules part 1 (that's ONE). Many college and university library documents section have the Code of Federal Regulation books. You want "title 47" which contains the FCC rules. The first book has part 1, part 2 (interesting reading: allocation tables), and part 15. The fourth book has parts 73-76 (broadcasting and cable), and the fifth book has parts 80, 94, 95, and something called part 97.

Also check out the Federal Register. It arrives daily. Look in the first
few pages where the agencies are listed in alphabetical order. Often the
FCC has nothing for some days. When the FCC shows up, you might find the
"articles" interesting. While they are mostly legal "mumbo jumbo", they
can give you a better idea of how our bureacracy works.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -8741611358944668137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d1cbeb10f0340311
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-17 07:57:17 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!know!zaphod.mps.ohio-state.edu!
sdd.hp.com!decwrl!elroy.jpl.nasa.gov!aero!aerospace.aero.org!obrien
From: obrien@aerospace.aero.org (Mike O'Brien)
Newsgroups: rec.ham-radio
Subject: Re: Good Walky-Talkies for hiking?
Message-ID: <81283@aerospace.AERO.ORG>
Date: 17 Aug 90 05:27:28 GMT
References: <900@helens.Stanford.EDU> <3430009@hpqtdla.HP.COM>
Sender: news@aerospace.aero.org
Reply-To: obrien@anpiel.UUCP (Mike O'Brien)
Organization: The Aerospace Corporation, El Segundo, CA
Lines: 27
Posted: Fri Aug 17 06:27:28 1990

In article <3430009@hpqtdla.HP.COM> jdg@hpqtdla.HP.COM (James Gentles) writes:
>(somebody else writes):
>>when hiking. The idea is that I like to go hiking, mountain climbing,
>>and such but I tend to be a lot slower than the people I usually go
>
>I am an experienced hill-walker and I teach and have always been taught
>that the most important aspect of hill walking is the concept of going
>in a group (unless your on your own:-). This group has a leader and
>EVERYONE STICKS TOGETHER unless a formal decision is made to split the
>group. Just letting someone fall behind is BAD LEADERSHIP.

All doubtless quite true. For those whose situations may be different,
a different opinion: In Yellowstone National Park, the semi-official
geyser-gazer force, whether employed or volunteer, uses standard CB radios
and has a standard channel (30) for reporting eruptions, etc. They're
all scattered throughout the basins on their lonesome because that's
what geyser-gazing is all about - sitting on your bum waiting for
something, and no more than one person need wait for any given thing.

The Ranger force of course uses some Federal frequency and has repeaters
spotted on various mountaintops for coverage. The typical QRM problems
that make CB unusable most places do not typically exist out in places
like Yellowstone, so for those without licenses (which is most people),

CB in situations like this one seems to serve very well indeed.
--
Mike O'Brien
obrien@aerospace.aero.org

From 3426434362460447688
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3fd72cf84abb6d18
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-17 08:06:05 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sol.ctr.columbia.edu!samsung!
cs.utexas.edu!wuarchive!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: TS-940 PHASE OUT !
Message-ID: <30500684@ux1.cso.uiuc.edu>
Date: 17 Aug 90 04:39:00 GMT
References: <1715@raybed2.msd.ray.com>
Lines: 8
Nf-ID: #R:raybed2.msd.ray.com:1715:ux1.cso.uiuc.edu:30500684:000:431
Nf-From: ux1.cso.uiuc.edu!phil   Aug 16 23:39:00 1990
Posted: Fri Aug 17 05:39:00 1990

I just seems to me that the model changes from Icom/Kenwood/Yaesu and others
are coming rather often, and with usually not many new features, particularly
in the VHF/UHF rigs, where this often means you can no longer get a matched
set of 144/220/440 (if you were so inclined).

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -5096340981257084726
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ec6fe6dab42893fb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-17 12:33:09 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!decwrl!ucbvax!ibma.nerc-wallingford.ac.uk!
PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House,
Swindon")
Newsgroups: rec.ham-radio
Subject: CW, Kids, Ham licenses?
Message-ID: <17.Aug.90.11:34:45.BST.#4568@UK.AC.NWL.IA>
Date: 17 Aug 90 10:06:56 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 36
Posted: Fri Aug 17 11:06:56 1990

How to convince people to become hams? Well, I tried recently! My 10-year old

nephew showed more than a passing interest in my 2-meter mobile & HT,
and the IBM-PC in the corner of the shack.. I explained to him that i was
able to send messages from the PC to (almost) anywhere, and gave him a demo
of packet. Then i explained to him about having to get a license to use it
and the need to pass a test in order to get the license. He seemed to accept
this concept without any hangups. I explained the license exam, and said
that you had to learn about how radios work and how not to be a nuisance
to others by jamming their radios/TVs. Still no hangups from junior op.
Then he asked 'Do you know morse code?'. My reply was something along
'Well, I personally dont, but some hams learn it, because those who do
are allowed to use different radio bands, which can go a lot further'. He
looked puzzled at this, but neither he nor i suffered any further angst on
the subject.
He then asked 'how much does it all cost'; i went on to explain that some
hams spend pots of money buying expensive radios, but others (like me) get
old cab despatch radios and convert them, and that this was much cheaper
as well as being quite good fun itself. I told him that my radio cost about
50 pounds sterling. This surprised him. (he had been to a local show at which
there had been a ham station with all the latest gear, and had been told by
the people there that radios cost thousands of pounds).
<Remember that parents are likely to object to forking out vast sums of
money on what they perceive might be a kid's passing phase>
I told him about the license exam and the forthcoming Novice license in the
UK, and he wanted more information..... which i have provided.
He was last heard saying 'Hey dad; can i get some packet-radio programs for
the Commodore-64?'.
Now somehow I feel that if I had said 'You HAVE to learn Morse because the
Government says you do', then his interest would have stopped dead.
Fortunately, the UK and many of the more enlightened countries of Europe
have had the benefits of a no-code license for some time.

To paraphrase Pink Floyd:- 'Hello? United States? This is the World calling.
Can you hear us?'

Pete Lucas G6WBJ   PJML@UK.AC.NWL.IA 0793-411613

From -3513051001211889389
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e15021f72d925ca
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-17 13:51:19 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!ub!
image.soe.clarkson.edu!rpi!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Iridium Cellular Service
Summary: How to get ITU regs
Message-ID: <292@ultrix.uhasun.hartford.edu>
Date: 17 Aug 90 13:50:45 GMT
References: <631@entec.Wichita.NCR.COM> <1990Aug9.123238.4911@ameristar>
<214@bongo.UUCP>
Sender: news@uhasun.hartford.edu

Organization: The University of Hartford
Lines: 54
Posted: Fri Aug 17 14:50:45 1990

In article <214@bongo.UUCP>, julian@bongo.UUCP (Julian Macassey) writes:

much deleted

> > [TITLE] Relating to the International Use of Radiocommunications, in
> > the Event of Natural Disasters, in Frequency Bands Allocated to the
> > Amateur Service
>

deleted

> And the final question are copies of this stuff available at
> resonable rates? Or in ASCII form?
>

I don't know the costs--they probably aren't reasonable--but you can write or FAX the ITU. (I understand their response time isn't too swift.) Their address:

Union Internationale des Telecommunications
Place des Nations
CH-1211 GENEVE 20
Switzerland

[if you want to be strictly correct, put acute accents over the e's in Telecommunications]

FAX: 011-41-22-733-7256

You can find the tables of ITU frequency allocations (with footnotes) along with the US frequency allocations (but not the ITU resolutions, I believe) in a US Government document: "Manual of Regulations and Procedures for Federal Radio Frequency Management," available for $72.00 ($90.00 foreign) from the Superintendent of Documents, Washington, DC 20402.

There is a publication entitled, "Tables of Frequency Allocations and Other Extracts From: Manual of Regulations and Procedures for Federal Radio Frequency Management." (Catchy title, huh?) This document has most of what you probably are looking for. (I keep it handy on my desk.) I don't know what the cost is, if any; in the preface it says: Additonal copies of this book can be obtained by writing to the following address:

Executive Secretary, IRAC
U.S. Department of Commerce, NTIA
Room 1605, HCHB Building
14th and Constitution Ave. N.W.
Washington, DC 20230

I hope that information is useful.

```
--
Jon Bloom, KE3Z                               | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu          |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

From -2244306766569888661
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c9fbe124e5ce1170,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-17 13:52:22 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!ucsd!ucbvax!D15VS178A.SPACE.SWRI.EDU!ROsman%ASS%SwRI05
From: ROsman%ASS%SwRI05@D15VS178A.SPACE.SWRI.EDU
Newsgroups: rec.ham-radio
Subject: Callbook LOOKUP
Message-ID: <9008171452.AA00220@ucsd.edu>
Date: 17 Aug 90 14:48:02 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 55
Posted: Fri Aug 17 15:48:02 1990

Looks like it's time for another round. For those of you who've lost it, or just never saw it, here's the way to lookup callbook entries over the INTERNET.

+=(*)=+=(*)=+=(*)=+=(*)=+=(*)=+=(*)=+=(*)=+=(*)=+=(*)=+=(*)=+

The callbook server is accessed by sending mail to callbook@sat.datapoint.com. Include the following line in the body of your message:

```
     lookup <callsign> [<callsign> ...]
```

The maximum length of a lookup command line is about 200 characters. You may specify more than one lookup command if needed.

The following commands are also recognized:

```
          path - specify a return address (user@domain or
                   bang!path!user)
          help     - return this help text.
          quit - quit scanning for commands.
```

Path should not normally be needed, since the mailer should be able to resolve your address. If you do not get a response from the server, you might try including a path command.

Quit is not usually needed either, but may be used if you have a signature that contains things that look like server commands.

Examples:

```
     lookup n5lyt            <= About as simple as you
can be

     lookup n5lyt ns5i ka5pfm    <= Look up more than one
call

     path bob@foo.com        <= A bit more complicated
example
     lookup n5lyt
     quit
```

If you have any questions, send mail to callbook-help@sat.datapoint.com.

De Lee Ziegenhals N5LYT

```
_____________________________________________________________________
|                                           |                       |
|    Oz (Rich Osman)                        | Good judgement comes |
|                                           | from experience, and |
|                             (ARS WB0HUQ)  | experience comes     |
|ROsman%ASS%SwRI05@D15VS178A.SPACE.SwRI.EDU|  from bad judgement. |
|   - or - Osman@Jules.ADSD.SwRI.EDU        | -Fred Brooks, UNCar. |
|__________________________________________|______________________|
```

```
From 3698080474594418344
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,906277640da612de
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,906277640da612de
X-Google-Attributes: gid114aac,public
X-Google-Thread: 115933,724e853f387dc7cc,start
X-Google-Attributes: gid115933,public
X-Google-Thread: 10aaed,724e853f387dc7cc,start
X-Google-Attributes: gid10aaed,public
X-Google-ArrivalTime: 1990-08-17 15:02:09 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!sharkey!wyn386!wybbs!ken
From: ken@wybbs.mi.org (Ken )
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Cellular on unmodified PRO-34???
Keywords: pro34
Message-ID: <397@wybbs.mi.org>
Date: 16 Aug 90 23:29:20 GMT
References: <3686@radio.oakhill.UUCP>
Reply-To: ken@wybbs.UUCP (Ken Jongsma)
Organization: Consultants Connection, Jenison MI
Lines: 10
Xref: gmdzi rec.ham-radio:14061 rec.radio.shortwave:1871
Posted: Fri Aug 17 00:29:20 1990
```

816-821 Mobile Trunked
861-866 Base Trunked

Looks, sounds, feels like cellular, but doesn't do the Bzzt cell switching. Also, boths sides of the conversation are about equal strength...

--
Ken Jongsma   ken@wybbs.mi.org
Smiths Industries   ken%wybbs@sharkey.umich.edu
Grand Rapids, Michigan   ..sharkey.cc.umich.edu!wybbs!ken

From -8389236704438722798
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0d1fe5265e81b6b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-17 16:26:00 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!XEROX.COM!"Hugh_E._Wells.ElSegundo"
From: "Hugh_E._Wells.ElSegundo"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Gell-Cell charging
Message-ID: <900817-105443-7661@Xerox>
Date: 17 Aug 90 17:54:19 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 34
Posted: Fri Aug 17 18:54:19 1990

Charging of Gell-Cell batteries

A Gell-Cell battery should be charged from either a constant voltage source or at a low current value. The Gell-Cell wants to be treated just like a standard lead acid battery in terms of charging and be maintained at a nearly full charge condition for life.

When charging off of a voltage regulated source, adjust the charge voltage to a value just higher than the full charge value of the battery. As the battery reaches full charge, the current will decrease. If desired, the current can be allowed to go to a "zero" value at peak charge.

When charging with a low current value, use a resistor and diode (in case the charge circuit voltage drops below the battery terminal voltage) in series and allow the battery to trickle charge continuously.

The one consideration when continuously trickle charging any lead acid battery beyond a full charge condition, the electrolyte will bubble releasing gas (hydrogen and oxygen). A noticable loss in water content will be observed as a result. It has been observed in a car battery under no load conditions, as an example, that a 100ma continuous charge dissipates water fast enough to require replenishment weekly. The life of a Gell-Cell battery will be shortened under a continuous charge situation where the discharge current never or rarely exceeds the charge current.

The bottom line is that a full charge condition of the battery wants to be maintained, but not "over charged". This is most easily accomplished using a constant voltage source.

73

Hugh   W6WTU

```
From -789690794985926350
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,906277640da612de
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,906277640da612de
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-08-17 17:11:30 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!psuvax1!rutgers!
netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Cellular on unmodified PRO-34???
Keywords: pro34
Message-ID: <28589@netnews.upenn.edu>
Date: 17 Aug 90 19:20:24 GMT
References: <3686@radio.oakhill.UUCP> <562@risky.Convergent.COM>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 49
Xref: gmdzi rec.ham-radio:14063 rec.radio.shortwave:1872
Posted: Fri Aug 17 20:20:24 1990
```

In article <562@risky.Convergent.COM> scott@88k3.uucp (Scott Lurndal) writes:
>My PRO-34 also receives [images].   However, once I
>made the modification to allow cellular, the calls are much
>clearer and there is no digital signal interference; i.e. when
>you are using the search mode you only stop on conversations.

There shouldn't be any reason that restoring cellular coverage should skip over the control channels unless you are only scanning the mobile frequencies, which isn't all that good of an idea because range is extremely short. It's easier to scan the base frequencies, plus you will typically be able to hear both sides of the conversation, although the mobile may be a bit faint but still readable.

For those of you that are interested, the cellular bandplan looks like this:

Bases

System A (non-wireline carrier): 870.030-879.990 (bases)

```
                                 825.030-834.990 (mobiles)

System B (wireline carrier)    : 880.020-889.980 (bases)
                                 835.020-844.980 (mobiles)
```

Channel spacing is 30 KHz. There are additional provisions incorporated in the bandplan to allow for more growth, but these are the most common ranges. There are 21 control channels for each of the 2 systems.
The control channels make up the highest 21 frequencies in System A and the lowest 21 frewqquencies in System B of the base frequencies in both cases. Listening to the control frequencies isn't much fun, but it's a handy way of determing how many cell sites you are in earshot of. Scan through the control frequencies and count how many times your scanner stops and you'll know approximately how many cells you can hear. The reason I use the term "approxmiately" is that two different cells spaced far enough apart can use the same control frequency, but you'll only hear it once for obvious reasons.

If anybody wants any more info on this cellular stuff, drop me a line.

Disclaimer: it's up to you whether or not you want to listen to cellular calls. I'm just providing information. Personally, I think the ECPA is a crock. But let's not start on that subject again...

```
                                --- Jeff
--
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
Jeff DePolo  N3HBZ             Twisted Pair: (215) 386-7199
depolo@eniac.seas.upenn.edu    RF: 146.685- 442.70+ 144.455s (Philadelphia)
University of Pennsylvania     Carrier Pigeon: 420 S. 42nd St. Phila PA 19104
```

From 5994389032280900662
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bffd10bf052a4a96,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-17 17:23:03 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!fluke!limey
From: limey@tc.fluke.COM (Paul Baldock)
Newsgroups: rec.ham-radio
Subject: Repeater Voting System
Message-ID: <1990Aug17.192020.25129@tc.fluke.COM>
Date: 17 Aug 90 19:20:20 GMT
Organization: John Fluke Mfg. Co., Inc., Everett, WA
Lines: 5
Posted: Fri Aug 17 20:20:20 1990

I am in the process of selecting a voting system to add to our repeater. Does anyone have any experience with the various units available on the market?

Paul
KW7Y

From -8201789065858856668
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1a6cb541b39c99f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-17 17:25:38 PST
Path: gmdzi!unido!mcsun!hp4nl!phigate!philica!geertj
From: geertj@philica.ica.philips.nl (Geert Jan de Groot)
Newsgroups: rec.ham-radio
Subject: Re: Comments on various current issues
Message-ID: <648@philica.ica.philips.nl>
Date: 17 Aug 90 15:53:16 GMT
References: <11128@crdgw1.crd.ge.com>
Reply-To: geertj@ica00.ica.philips.nl (Geert Jan de Groot)
Organization: Philips TDS, Innovation Centre Aachen
Lines: 18
Posted: Fri Aug 17 16:53:16 1990

In article <11128@crdgw1.crd.ge.com> you write:
>1. Reasons for keeping CW.
>   a.
>   b.
>   c.
>   d.

Sigh. apperently, I still haven't made my point. I don't want CW abolished;
I just want CW abolished as a requirement for a license. I don't force you
to master current-technology transmissions (i.e. 9600 bauds or higher digital
communications), why do you want to force me to master an ancient
communications method, if I am not interested in that?

That's what the whole thing is about.

73, Geert Jan

From 6160619070012000240
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0873f30e2c1b110,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-17 17:36:32 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!TRIUMFER.BITNET!MULTI
From: MULTI@TRIUMFER.BITNET
Newsgroups: rec.ham-radio
Subject: My impressions of the Barker/Williamson AP-10 apartment antenna
Message-ID: <90Aug17.165624edt.57823@ugw.utcs.utoronto.ca>
Date: 17 Aug 90 20:48:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Fri Aug 17 21:48:00 1990

Last night Gary Buchholz was enquiring about my Barker and Williamson AP/10 apartment antenna. I basically described that it consisted of two parts, a car aeriel which you hung out the window, and a counterpoise that you draped around the room. Since the car aeriel was electrically short (52 inches) and did most of the radiating, the results were abysmal. Did Gary get the message which I sent him?

Y.N. Miles,
VE7-ALQ,
<MULTI@TRIUMFcl.bitnet>

```
ps:     Radiation resistance 3.2 ohms on 15 meters
        Radiation resistance 1.4 ohms on 20 meters
        Radiation resistance 0.4 ohms on 40 meters
```

From 5306612410113193941
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,143ea2b64ef8b869,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-17 23:01:55 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!ogicse!plains!bezenek@plains.NoDak.edu
From: bezenek@plains.NoDak.edu (Todd M. Bezenek KO0N)
Newsgroups: rec.ham-radio
Subject: _Pump Up the Volume_ bad for amateur radio?
Message-ID: <5586@plains.NoDak.edu>
Date: 18 Aug 90 00:05:36 GMT
Organization: North Dakota State University, Fargo
Lines: 14
Posted: Sat Aug 18 01:05:36 1990

Has anyone seen an early showing of _Pump Up the Volume_? It is a movie about a high school student who uses a ham radio to start his own bootleg radio station. It is due to be released on August 22.

It seems to me that a movie based on radio bootlegging would generate a negative attitude towards amateur radio. Any comments?

-Todd

```
--
Todd Michael Bezenek                  Internet:  bezenek@plains.nodak.edu
Amateur Radio Station KO0N            UUCP:      uunet!plains!bezenek
                                      Bitnet:    bezenek@plains
                                                 NU040889@ndsuvm1
Welcome to North Dakota.  Home of the "more expensive worse education."
```

From 6642849036693564
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8db61c18e262902,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-08-17 23:06:55 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!garthh
From: garthh@microsoft.UUCP (Garth HITCHENS)
Newsgroups: rec.ham-radio
Subject: Growling interference
Keywords: RFI interference growl
Message-ID: <56687@microsoft.UUCP>
Date: 17 Aug 90 23:23:15 GMT
Organization: Microsoft Corp., Redmond WA
Lines: 14
Posted: Sat Aug 18 00:23:15 1990

A while ago, there was a discussion on rec.ham-radio regarding a growling interference that sounded like power line noise. The people who were discussing it mentioned it was about 20-30 KHZ wide and occured every 50-60KHZ across the band.

I sympathised quite a bit because I have had similar interference at my location, all across the HF spectrum.

A few days ago it was tracked down to be a touch-lamp (the kind you touch to turn on and off) in a house about 3 blocks away. Once the lamp was unplugged the noise stopped.

Hope this info is useful to other that had the similar noise.

From 3896184805581393549
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1de1b0ae4247d6e7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-18 00:50:57 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!
wuarchive!kuhub.cc.ukans.edu!baxter
From: baxter@kuhub.cc.ukans.edu
Newsgroups: rec.ham-radio
Subject: Book of modifications
Message-ID: <25303.26cc6798@kuhub.cc.ukans.edu>
Date: 18 Aug 90 02:54:32 GMT
Organization: University of Kansas Academic Computing Services
Lines: 9
Posted: Sat Aug 18 03:54:32 1990

I've seen a book listed in the ads in CQ magazine for a book on "Modifications to Amateur Radio Equipment". It appears to cover many of the mods for current equipment relating to expanding receiver and transmitter coverage of many (most) current radios. The ads state the book is about 200 pages, so it sounds like quite a bit could be covered.

Has anyone purchased this book, and if so, what is their opinion of it?

Kirk Baxter, N0FPZ

```
From 5557392082961288643
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-18 02:01:29 PST
Path: gmdzi!unido!mcsun!uunet!ingr!
From: youngwa@b8.INGR.COM (Butch Young)
Newsgroups: rec.ham-radio
Subject: Re: New License Classes
Summary: I like your version!
Message-ID: <355@b8.INGR.COM>
Date: 17 Aug 90 22:26:14 GMT
References: <43943@apple.Apple.COM> <26590@usc.edu> <5556@plains.NoDak.edu>
<5006@infmx.UUCP>
Organization: Intergraph Corporation Huntsville, AL
Lines: 22
Posted: Fri Aug 17 23:26:14 1990
th: b8!youngwa

In article <5006@infmx.UUCP>, randall@infmx.UUCP (Randall Rhea) writes:
> I'll throw my hat into the ring with another suggestion for new license
> classes.  How about this:
>
> 1. "COMMUNICATOR"  2,3A   No code   All priv. above 30mhz (except CW side bands)
> 2. "GENERAL"         3B   5 WPM     Privs now enjoyed by General Class
> 3. "ADVANCED"     4A,4B  13 WPM     All amateur privs
>

I really think this version of the suggested new license classes is the
best that I have heard to date.  What does everyone else think of this?
Looking forward to reading your replys in the group.

Struggling to reach 13 wpm,

Butch

--
#   William A. Young  (Butch)       N4WMT                                  #
#   Mail Stop CR086   Building 8             Telephone (205) 730-4410      #
#   Intergraph Corporation                   7:30am-4:15pm (0730-1615)     #
#   Huntsville, AL  35894-0001                                             #


From 7580244166013311008
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d9309d20914be40d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-18 03:39:27 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!rochester!kodak!swamps!val
From: val@swamps.UUCP (Val Christian)
Newsgroups: rec.ham-radio
```

Subject: IC-24AT Questions
Message-ID: <241@swamps.UUCP>
Date: 18 Aug 90 05:16:26 GMT
Reply-To: val@swamps.UUCP (Val Christian)
Organization: Swamp Systems
Lines: 33
Posted: Sat Aug 18 06:16:26 1990

I have several questions on IC 24AT operations and capabilities, as well as on the associated accesories.

* Can the BP-90 (6 - AA cells) be charged with either the wall charger supplied with the radio, or the BC-72?

* Can the BP-85 (high voltage pack) be charged with either the supplied wall charger, or is the BC-72 the only way to charge it?

* Does the CP-12 (cigar lighter plug and cord) essentially provide 12 V to the connector on the cord, or does the CP-12 do some internal regulation? Also, what kind of connector is on the end? Compatable with the IC 02AT?

* Will the cross-band repeater mode permit simplex to duplex crossbanding, or is it limited to simplex to simplex?

* Has anyone measured the sensitivity out of band?

* How high will the PLL lock...ie, what's the upper limit for receive?

* Potential ugliness aside, is there an after market adapter which will adapt battery packs like the BP7 to the IC24?

* Is the BC-35 usable or modifiable for use in recharging the new packs?

* What are the possible ways of recharging a BP-85? BP-90?

* Any other comments on pros, cons, limitations or quirks?

Thanks much.

Val Christian (n2epo)
val@swamps.UUCP

From 2199114953781589114
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8db61c18e262902
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-18 03:39:58 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!tekigm2!jimla
From: jimla@tekigm2.MEN.TEK.COM (James G Larsen)
Newsgroups: rec.ham-radio
Subject: Re: Growling interference
Summary: another case of touch lamp RFI

Keywords: RFI interference growl
Message-ID: <9700@tekigm2.MEN.TEK.COM>
Date: 18 Aug 90 04:25:39 GMT
References: <56687@microsoft.UUCP>
Organization: Tektronix Inc., Beaverton, Or.
Lines: 17
Posted: Sat Aug 18 05:25:39 1990

I am another victim of touch lamp RFI which wipes out signals weaker than S9 on 40, 20, and 15 meters. The lamp is located about a block away from my QTH. I borrowed the lamp last weekend and installed a "Pi" line filter consisting of 2 .01 uF capacitors and 2 100 uH chokes. I mounted the filter in the lamp base, in series with the AC line input. Unfortunately, the noise level was only attenuated by about one S-unit. My next experiment will be to install a capacitor directly across the Triac in the controller. Has anyone on the net successfully eliminated touch lamp RFI? By the way, the lamp controller was made in Taiwan, and has no RFI suppression components. A local fake antique shop owner told me that he has sold "hundreds" of these lamps, so this may become a serious RFI problem that needs an urgent solution.

Jim Larsen
N7IHQ

From -1756797527792070435
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,870c7328c997b43a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-18 05:39:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!ucbvax!hplabs!hpfcso!vodall
From: vodall@hpfcso.HP.COM (Bill Vodall)
Newsgroups: rec.ham-radio
Subject: Re: Six-meter model control freqs
Message-ID: <7500024@hpfcso.HP.COM>
Date: 17 Aug 90 21:58:02 GMT
References: <9008011146.AA01146@cmr.ncsl.nist.gov>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 27
Posted: Fri Aug 17 22:58:02 1990

/ hpfcso:rec.ham-radio / rc@CMR.NCSL.NIST.GOV (Robert Carpenter) / 5:46 am Aug 1, 1990 /
<fernwood!synopsys!rengland@decwrl.dec.com (Rick England) > asks:

> Does anyone have experience using the 6 meter ham band
> for radio control boats or aircraft? I know there are
> some freqs like 50.1 50.2 etc that we can use. Can
> manufacturers of this equipment be easily found?

Whoa there..... The lower end of six is the province of the DXers.
For example 50.110 and 50.125 are SSB calling frequencies, and CW/SSB is
common up to at least 50.200 +.
If you value the health of your model, you will choose more conventional
model-control frequencies on 6. For example the ARRL Bandplan now talks
about 50.8 -51.0. Traditionally model control has been up in the 53 + region.

I can't suggest specific equipment, sorry.

Bob W3OTC   50 states, 67 countries, 6 continents on SIX

Are there any frequencies in the Bandplan or by common convention for
6 meter packet?

My tnc is far better at waiting for those band openings than I am.

Bill WA7WP

From -4976452004222453894
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,987bd88608fc8b7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-18 06:25:46 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!swrinde!ucsd!qualcom!fpa
From: fpa@qualcom.qualcomm.com (Franklin Antonio)
Newsgroups: rec.ham-radio
Subject: Re: The people's satellites...
Message-ID: <3023@qualcom.qualcomm.com>
Date: 18 Aug 90 10:58:01 GMT
References: <1c5ZN2w162w@tosspot.UUCP>
Reply-To: antonio@drzeus.qualcomm.com (Franklin Antonio)
Organization: Qualcomm Inc., San Diego, CA
Lines: 59
Posted: Sat Aug 18 11:58:01 1990

In <1c5ZN2w162w@tosspot.UUCP> root@tosspot.UUCP (Rodney Q. Root, ESQ) writes:
>The people of AMSAT are doing a great job of producing amateur
>satellites. Their ever increasing complexity and abilities (the
>satellite's, that is) are wonderful.
>What a pity it is that most amateurs outside North America (and
>a good proportion within NA) can't afford the expensive additional
>hardware to use them.

I've worked 50 countries on Oscar 13. Most of those countries are outside
North America. Included are many that are not especially known for
high per-capita income... Zaire, Haite, USSR, East Germany, Gabon, India,
Czechoslovakia, Romania... By today's standards, my 50 contries is no
big deal. Quite a few folks have satellite-DXCC, having worked 100 countries.
So... there are people out there, widely distributed around the world, who

are active on the satellites.

>Anyway, I guess that technology for technology's sake is a good
>thing, it's just a pity that ordinary hams with ordinary stations
>and income levels have to use the Russian satellites if they
>want to use satellites at all....

Not correct. My first contacts on a satellite (SSB mode on Fuji Oscar 12) were made with the following... Vertical antennas, an old 2m ssb rig that i borrowed, and my HF rig hooked to a 435MHz transverter that i bought at a swapmeet for $150. I agree with your basic concern that radios, preamps, rotors, etc all cost too much, of course. You can buy radios used. That's a very common thing to do. You just don't need all the features of a newfangled $1400 radio! You can get by, at least initially, without az/el rotors. Often, when i'm talking to a DX station, the operator will say, "hold on a minute, i gotta go outside and rotate the antennas!". Satellite antennas can be mounted near the ground, so you can literally just push 'em around by hand. Satellites such as Oscar-13, in molniya type orbits don't move very much during the "good" part of the orbit, so you don't have to do this very often. Some of the microsats are loud enough that you can use a simple vertical antenna with no rotator of any kind. Finally, the last expensive components... the antennas. Many foreign operators build their own. The various ARRL books are full of fairly complete plans. I'm not very good at mechanical construction, so I bought antennas, but i talk to lots of people who've built their own satellite antennas for 145 MHz & 435 MHz.

If you thought it took several thousand dollars to get on the satellites then i hope i've shattered that myth for you. If, on the other hand, you know how to build satellites that are easier to use, then by all means share your ideas. AMSAT (remember, it's a volunteer organization) needs you!

>What're the odds that the first ever geosynchronous AMSAT will need
>oodles of bucks for the "who cares, it's a neat technical hack!"
>esoteric up and downlinks....?
>

The odds are zero. The AMSAT Phase-IV project (study of possible geostationary satellite design) included a number of concepts to reduce the cost of a basic ground station. For example, because it's geostationary, you wouldn't need rotors. Because it was going to use higher powered transmitters, you woudn't need as sensitive a receiver on the ground, etc. Meanwhile, Phase-IV has been shelved because it was deemed to ambitious a project. Too costly to design and build.

Franklin Antonio, N6NKF

```
From 3608868143527868970
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,906277640da612de
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,906277640da612de
X-Google-Attributes: gid114aac,public
```

X-Google-ArrivalTime: 1990-08-18 12:37:23 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!swrinde!ucsd!pacbell.com!pacbell!att!cbnewse!parnass
From: parnass@cbnewse.att.com (Bob Parnass, AJ9S)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Cellular on unmodified PRO-34???
Summary: trunked SMRs often have telephone interconnect
Keywords: pro34
Message-ID: <1990Aug17.235323.19275@cbnewse.att.com>
Date: 17 Aug 90 23:53:23 GMT
References: <3686@radio.oakhill.UUCP> <397@wybbs.mi.org>
Followup-To: rec.radio.shortwave
Organization: AT&T Bell Laboratories, Naperville, IL
Lines: 24
Xref: gmdzi rec.ham-radio:14077 rec.radio.shortwave:1880
Posted: Sat Aug 18 00:53:23 1990

In article <397@wybbs.mi.org>, ken@wybbs.mi.org (Ken) writes:

> 816-821 Mobile Trunked 861-866 Base Trunked
> Looks, sounds, feels like cellular, but doesn't do the Bzzt cell
> switching. Also, boths sides of the conversation are about equal
> strength...

Like others have said before, the PRO-34 is very prone to hear cellular phone transmissions on 800 MHz frequencies outside the cellular phone band.

However, there's another class of stations in this range that may sound, at first blush, like cellular phones.

Many SMR trunked repeaters in this band have a telephone interconnect facility, which lets customers make phone calls. They sound somewhat like ham radio autopatch on 2 meters because the mobile cannot talk and hear at the same time.

Both parties stay on the same frequency for the duration of the call.

```
--
============================================================================
Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihlpy!parnass (708)979-5414
```

From -249324823868357002
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-18 12:39:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR/KT)
Newsgroups: rec.ham-radio
Subject: Re: Re: A New War? (Really: The old war)

Message-ID: <1990Aug18.160721.25111@NCoast.ORG>
Date: 18 Aug 90 16:07:21 GMT
References: <9008101350.AA19126@tilde> <18230031@hpfcdj.HP.COM>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR/KT)
Followup-To: rec.ham-radio
Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 29
Posted: Sat Aug 18 17:07:21 1990

As quoted from <18230031@hpfcdj.HP.COM> by myers@hpfcdj.HP.COM (Bob Myers):
+---------------
| >I will repeat my statement, with emphasis to make sure you understand:
| > Morse code is essential for most weak signal communications at
| > VHF and above, WITH CURRENT EQUIPMENT AND TECHNIQUES. It's also
| > the most cost effective weak signal communications mode with any
| > equipment and/or technique.
|
| nor will I try. What's missing, though, and what started this whole mess, is
| some justification for *requiring a test of CW proficiency* in order to become
| a licensed amateur. That fact that CW is a useful technique under certain
| conditions does NOT, at least in my opinion, constitute such justification.
+---------------

My complaint exactly.

Novices can work packet on 220MHz and even can run digipeaters. So why
isn't packet covered on the Novice theory test? Why isn't there another
separate test on packet --- or, more precisely, why *is* there a test on CW
but not on packet?

It seems to me that CW's "exalted" position must be justified. It's not as if
we must use CW to worship the Great God of Electromagnetism, after all.

++Brandon
--
```
Me: Brandon S. Allbery               VHF/UHF: KB8JRR/KT on 220, 2m, 440
Internet: allbery@NCoast.ORG              Delphi: ALLBERY
uunet!usenet.ins.cwru.edu!ncoast!allbery    America OnLine: KB8JRR
```

From 5626867454585991324
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,987bd88608fc8b7d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-18 12:39:08 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: The people's satellites...
Message-ID: <1270@ke4zv.UUCP>
Date: 18 Aug 90 14:47:17 GMT
References: <1c5ZN2w162w@tosspot.UUCP>

Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 70
Posted: Sat Aug 18 15:47:17 1990

In article <1c5ZN2w162w@tosspot.UUCP> root@tosspot.UUCP (Rodney Q. Root, ESQ) writes:

>An observation -
>
>The people of AMSAT are doing a great job of producing amateur satellites. Their ever increasing complexity and abilities (the satellite's, that is) are wonderful.
>
>What a pity it is that most amateurs outside North America (and a good proportion within NA) can't afford the expensive additional hardware to use them.
>
>(No, I don't want anyone telling me how they built/bought a complete 430MHz-light all mode rig for $5.95 or an az/el rotor for zilch out of a erector set - I'm thinking of of two things - money is a problem for most of us and outside of the first world it can be hard to even find the components even if you are a genius engineer....)
>
>Anyway, I guess that technology for technology's sake is a good thing, it's just a pity that ordinary hams with ordinary stations and income levels have to use the Russian satellites if they want to use satellites at all....
>
>What're the odds that the first ever geosynchronous AMSAT will need oodles of bucks for the "who cares, it's a neat technical hack!" esoteric up and downlinks....?
>
>Nothing like it - space communications for hams, provided they can afford it......
>
>   ....Halon system at the ready.....
>
>   Lee   G8LCK

Wait! The Russian satellites are too expensive for me to use. I'd have to buy a HF rig and antenna to go along with my 2m,430,1269, and 2304 gear. :-) (Ok I DID just buy an HF rig, but then I'm a glutton for punishment.)

Seriously, the Microsats were designed to be used with relatively simple ground equipment. You don't have to have steerable antennas or high power. I used an IC211 and an IC402 bought at a hamfest for $100. After lightning blasted my station a while back, I did buy an expensive Kenwood 790A, but I'm not really happy with it. If anyone has an IC202 they'd like to part with, I'm interested. Antennas are simple homebrew J poles.

Oscars 10 and 13 do require steerable antennas and more power to

use effectively. I added a Mirage D1010N to my IC451 and used the
late lamented IC211 for receive. The antennas have evolved through
a series of commercial and homebrew models. They all worked to
varying degrees. Currently, I am using the high priced spread,
KLM, but cheaper antennas do work. I was sucessful with homebrew
helices wound from copper tubing over a PVC frame, mounted on a
ground level Radio Shack tripod and steered by hand. If you can
make 50 watts of RF on 435 (even an old Motorola dynamotor rig will do
this if you can stand the noise) and if you can receive 2 meter
sideband (say a converter to a HF receiver), then you should
be able to work 10 or 13. CW only of course. Yes pro-coders,
this no-coder can use the beep beep stuff too. :-) :-)

A state-of-the-art all mode all band satellite station can cost
a mint, but you can use the satellites for a whole lot less.
You can certainly work a Microsat or Oscar 13 for less than
the cost of a HF rig even if you start from scratch. I guess
it all depends on your priorities, if you simply must be on
the DXCC honor roll, then you won't have the funds to work
satellites. But, if VHF-UHF is your thing, you probably already
have enough equipment to work the birds.

Gary KE4ZV

From -1364259449647921396
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,984e925cb4e702a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-18 12:39:17 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!ucsd!rutgers!cbmvax!heimat!dan
From: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Newsgroups: rec.ham-radio
Subject: Re: PRO-34 Audio Power
Message-ID: <179@heimat.UUCP>
Date: 18 Aug 90 14:56:04 GMT
References: <174@heimat.UUCP> <27080001@col.hp.com>
Reply-To: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Organization: Sneakers Computing, West Lawn, PA
Lines: 34
Posted: Sat Aug 18 15:56:04 1990

In article <27080001@col.hp.com> kenw@col.hp.com (Ken Wyatt) writes:
>I'm looking in the National Semiconductor linear catalog and I see that
>the LM386-1 is rated at 250mW,min and 325mW,typ ... now there is an
>LM386-3 that will go: 500mW,min and 700mW,typ. That might be one solution.
>
>Another might be to check pins 1 and 8 to see if there is an electrolytic
>capacitor attached. A 10uF cap here will increase the voltage gain from
>20 (nothing connected) to 200 (10uF). Note that increasing the audio gain
>means a decrease in battery life.
>

I got chance to pop by The Shack last night and grab the LM386 they sell. It is in fact a LM386-1 - the exact same thing that is already in the PRO-34. But since I was in that 'modify mode' I decided to change the 2.2uF cap that is between pins 1 & 8 to a 10uF - in stock condition I measured .096 volts DC on the earphone jack with an earphone connected, volume at max and squelch fully open - after the cap change under the same conditions (even the same channel and frequency) it showed .102 Not a big difference at all, so next time im in at the local supply house I will be getting a LM386-3 to see how much audio I can get out of this puppy.

As for battery life, to my thinking if you do not exceed the same audio level of an unmodified radio - the battery life should be the same. This is in my case 90% of the time. There is however that 10% where having a bit extra headroom (audio power) would be a big plus ;-)

```
--
                               _____
     Dan 'Sneakers' Schein    /     \   Quote:
     Sneakers Computing     \/\/     |        Those who worked the hardest
     2455 McKinley Ave.      |  (o)(o)        are the last to surrender.
     West Lawn, PA 19609     C   .---_)            -= Gary Ward =-
                              | |.___|
                              |  \__/
     uunet!cbmvax!heimat!dan  /_____\  (or)  dan%heimat@commodore.com
```

From 4673474966493527685
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8332fe441be2a881,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-18 14:08:55 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!ucbvax!UWPLATT.EDU!UCSBPM
From: UCSBPM@UWPLATT.EDU ("Brian P. McCarty ", N9IWP)
Newsgroups: rec.ham-radio
Subject: Re:The Ultimate question
Message-ID: <49EC3D77E4FF4005B5@uwplatt.edu>
Date: 18 Aug 90 18:09:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Sat Aug 18 19:09:00 1990

>It's ok to transmit aboard a plane as long as I use CW only, right?

No, but you can use a marine radio as long as you are over water
or aboard a seaplane

This momemt of comic relief provided by:
Brian P. McCarty, N9IWP (taking the /AA tests tomorrow (the 19th))
UCSBPM@UWPLATT.EDU

From 6889609589389505124
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,143ea2b64ef8b869
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-18 14:23:51 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!unmvax!bbx!yenta!dt
From: dt@yenta.alb.nm.us (David B. Thomas)
Newsgroups: rec.ham-radio
Subject: Ham radio FLAME (was _Pump Up the Volume_ bad for amateur radio?)
Message-ID: <1729@yenta.alb.nm.us>
Date: 18 Aug 90 18:13:50 GMT
References: <5586@plains.NoDak.edu>
Organization: yenta unix pc, Rio Rancho, NM
Lines: 47
Posted: Sat Aug 18 19:13:50 1990

bezenek@plains.NoDak.edu (Todd M. Bezenek KO0N) writes:

> It seems to me that a movie based on radio bootlegging would
>generate a negative attitude towards amateur radio. Any comments?

How about a movie where the old ham can't wait for the national emergency so his pitiful station can save the day (Red Dawn)?

I am a ham and an ex-pirate, and I already have a negative attitude toward amateur radio. It seems no one can ask a technical question in this newsgroup (much less on the air) without getting a political answer:

Q: can I boost the power of my 49mc walkie talkie
A: THAT'S ILLEGAL. GO CRAWL INTO A HOLE.

I have a lot of equipment that I could use to break the law, some of which is ham gear, then there's my gun, my automobile.... I modified my IC 02-AT to get police channels? Anybody want to know why? Of course not. You're all sure I'm out there harassing the cops and I should be fined etc.

I did it because I worked in a two way shop, repairing radios FOR the police, and it was a very handy diagnostic tool.

Besides, suppose I just like to build radio circuits? My friend built a 60W AM broadcast transmitter just to see if he could do it. He has no equipment that works on 160, and no interest in talking to hams, but he built his circuit and he tested it with a dummy load. One time, the AM broadcaster he works for had an emergency, and his little tube-type transmitter kept them on the air! It was REALLY EXCITING.

Now I suppose I'll get flamed because my friend's transmitter would not meet FCC specifications for AM broadcasting.

So who is the real "radio amateur"? The guy who build circuits to learn about radio, or the guy who times out repeaters complaining that the

device could be used for illegal purposes, and denying assistence they
are probably not capable of providing anyhow?

You tell me --- who are the real "radio amateurs"?

When people ask me if I'm a ham, I say no, I just have a license.

David
I wish I were proud of N5IZU

go ahead you old folks, dive for your callbooks and make sure I'm real!

From 8234716346575596026
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6c940a4a92bfc2e2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-18 21:50:58 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!mips!prls!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Ham report from Kuwait
Message-ID: <106384@philabs.Philips.Com>
Date: 19 Aug 90 04:50:58 GMT
Sender: news@philabs.Philips.Com
Lines: 67
Posted: Sun Aug 19 05:50:58 1990

copied this from packet, have no way of knowing how accurate this is.
WA2ISE

```
 Msg# TSF  Size #Rd  Date  Time From   MsgID        To
32499 BF   4043   2 14-Aug 2229 N3GOB  22864_KA3PLC ALL@ALLBBS ()
  Sb: Report from inside Kuwait
```

Message copied from WB2K who got it from W2JGR.

The following message was copied Sunday evening 8/12
by W2JGR from an amateur station in the Middle East.

SUBJECT: NEWS REPORT FROM KUWAIT
DATE REC'D: 12/8/0908Z
TO: ALL
FROM: KUWAIT

THANKS FOR THE RELAY THE MESSAGES...AND HERE IS A SMALL REPORT
FROM MY SELF YOU MAY TAKE AWAY MY NAME AND CALLSIGN ETC
YOU MAY SEND TOTHE W.P OR TO ANY DESTINATION YOU FIND IT GOOD.

IRAQIS AND SINCE MANY DAYS ARE COMING INTO KUWAIT AS
GROUPS OF HUNDREDS, AND THOUSANDS... THERE IS NO BORDER AND
THEY ARE NOW OVER 100 THOUSAND OR MAYBE MORE INTERING KUWAIT.

SOME OF THEM WITH BUSSES, AND OTHERS WITH CARS, BUSSES, AND LORRIES.

THEY TAKE EVERYTHING FROM THE SHOPS AND SHOPPING-CENTERS AND FILL INTO THE LORRIES AND GO BACK TO IRAQ. THEY BREAK EVERY SHOPE...ALL THE CARS IN THE WAREHOUSES OF THE BIG COMPANIES, SUCH AS NISSAN, TOYOTA, ALL JAPANESE, MERCEDEZ, GENERAL MOTORS ETC ETC... ALL ARE BEEING TAKEN AWAY TO IRAQ.. AND WHATEVER THEY CANNOT TAKE THEY BURN OR DAMAGE. THEY TAKE ALL THE PARTS... SPARES PARTS ACCESSORIES, AND WHATEVER WAS IN THE NATIONAL , TOSHIBA, MITSUBISHI, PHILLIPS ETC ETC BREAKING THE SHOWROOMS AND TAKING EVERY SINGLE AWAY. IT IS A COMPLETE CHAOS.... WE NOTHING TO DEFEND OURSELVES... WE HAVE NO WEAPONS TO DEFEND OUR HOUSES AND CHILDREN AND THERE IS NO POLICE NO ARM ... NOTHING TO BRING SOMETHING INTO CONTROL...IT IS AN ABSOLUTE QUIET-CHAOS IT IS A QUIET-CHAOS .. BECAUSE THERE IS NO RESIST... NO BODY CAN RESIST... AND THEY JUST COME AND TAKE WHATEVER THEY LIKE .... ALL THE FOOD STORES... BEEN STOLLEN....THEIR PUBLIC ARMIES (PUBLIC ARMY.... THEY CALL IT EL-JAYSH EL-SHAABI) HUNDRED THOUSAND OF THEM...FULLY ARMED WITH GUNS ANIT IS A VERY SAD SITUATION FURTHER MORE....SOME PEOPLE OF INSIDE KUWAIT .. BAD PEOPLE TAKE THE OPPORTUNITY TO WHATEVER HE LIKES... STEELING AND TAKING CARS BURNING ETC ETC... NO CONTROL NOBODY CAN TELL THEM ANYTHING... BECAUSE EVERYBODY WILL THINK THAT DAMAGES BEEN DONE BY IRAQIS ... AN IT IS NOT TRUE... THERE ARE MORE DAMAGE FROM PEOPLE INSIDE....FOR I AS I SAID THERE IS NO RULE NO GOVERNMENT NOTHING TO DEFENT THE PEOPLE OF KUWAIT INSIDE. FOOD AND ACCOMMODATIONS...NOW IN QUEUE YOU HAVE TO STAND IN LONG QUEUES IN FOUR LINES... 2 FOR MEN ANOTHER 2 FOR WOMEN.. AND FOR A   BUT THE SUPERMARKETS DO NOT SELL MORE THAN 10 KD FOR EACH FAMILY IN A DAY... THE FAMILIES HAVE NO CASH MONEY, THEY CAN OFFER THEIR CREDIT CARDS OR THE BANK-ACCOUNT-NUMBERS , AND CAN TAKE ABOUT 10 KDAND DISTRIBUTED IN THE SUPERMARKETS FOR PEOPLE TO READ.. BUT ALL THE KUWAITIS...JUST SPITTING ON THOSE PAPERS AND SQUEEZING THEM BY THEIR FEET... NOBODY LIKES TO READ ANYTHING ABOUT ALL WHAT IS WRITEN I DID NOT TRY TO TAKE ONE THEY CALL THE MUBARAK-ALKABEER HOSPITAL THEY GAVE IT THE NAME SORRY I FORGOT THE NAME NOW HI.. BUT CHANGING NAMES ANYWAY... E.O.F.

GA LOGOFF 73'S JULES DE XXX YYYYY
DURATION: 15 MINS.

I thought that that might be interesting to read. To the best of my typing ability, that is an exact replica of the message that I received.   By the way, KD is the Kuwaiti currency.

73 de Jeff, N3GOB@KA3PLC.PA.USA.NA

From 6300771499635740807
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1a6cb541b39c99f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-18 22:11:52 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!hplabs!hpda!hpcuha!nicholso
From: nicholso@hpcuha.HP.COM (Ron Nicholson)
Newsgroups: rec.ham-radio

Subject: Re: Comments on various current issues
Message-ID: <22480011@hpcuha.HP.COM>
Date: 18 Aug 90 16:18:37 GMT
References: <11128@crdgw1.crd.ge.com>
Organization: Hewlett Packard, Cupertino
Lines: 28
Posted: Sat Aug 18 17:18:37 1990

geertj@philica.ica.philips.nl (Geert Jan de Groot) writes:

>Sigh. apparently, I still haven't made my point. I don't want CW abolished;
>I just want CW abolished as a requirement for a license.

Yes, but a case could be made that the greater percentage who learn CW before getting their license, the greater percentage who will use CW as an operating mode afterwards. Do you want to effect a change in the proportion of amateurs who operate CW?

In past years, the FCC probably considered it very useful to have operators who were trained to pick up CW maritime distress signals and such. Requiring CW for the amateur license created a body of such people for almost free. With satellite locators and such, I don't see as great a need to such operators anymore. But I see this as a bad thing for amateur radio, since the lower the perceived public benefit, the less government support we will probably get for our frequencies and privileges.

I haven't made up my mind on No-Code licensing yet. I don't think it will solve any of the "problems" in amateur radio, but it will change the nature of the hobby.

```
====
Ronald H. Nicholson, Jr.         Hewlett Packard
uucp: nicholso@hpda.HP.COM       Cupertino, CA
(408) 447-6603                   #include <canonical disclaimer>
N6YWU (advanced)            private pilot ASEL 151 hours
```

From 4762657485149063127
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,935ba83c915ad71c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-18 22:11:55 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!decwrl!ucbvax!hplabs!hpda!hpcuha!nicholso
From: nicholso@hpcuha.HP.COM (Ron Nicholson)
Newsgroups: rec.ham-radio
Subject: Re: My 2 cents worth. NO-CODE
Message-ID: <22480012@hpcuha.HP.COM>
Date: 18 Aug 90 17:34:57 GMT
References: <6847@vax1.acs.udel.EDU>
Organization: Hewlett Packard, Cupertino
Lines: 40

Posted: Sat Aug 18 18:34:57 1990

From: kaufman@Neon.Stanford.EDU (Marc T. Kaufman)

> In article <6847@vax1.acs.udel.EDU> dabell@vax1.udel.edu () writes:
>
>> ... One of the things that has kept the hobby in reasonably good shape has been that the people who work for their ticket, ie. learn code, are more likely to be self policing than someone who is given a ticket.
>
> I'm truly amazed at the number of Psychologists who are radio amateurs. However, there is no data to prove either of the above statements, other than appeal to the "Puritan Ethic". Given the number of LIDs on HF, ALL of whom have at least a General Class license, I find it hard to accept the argument on self-policing. ...

I'm no psychologist, but I can read psychology textbooks. Much experimental evidence exists that correlates the perceived effort a person has to expend to obtain something, with how highly they value that something after obtaining it.

Passing a written test alone requires much less effort than a written test plus an operating skill test. Should the goal be to make it easier to get into amateur radio, or to encourage leading edge technical skills over traditional operating skills? Would a more difficult written test that requires as much study time, on average, as it takes to learn code at 5 WPM be appropriate?

I value the very polite style of operating usually found in most amateur bands. The percentage of poor operators is significantly higher on CB. I've heard obscenities a few times on SSB and 2M, never in the novice CW subbands, and in well over 20% of CB transmissions I've monitored. IMHO a no-code license will somewhat increase the percentage of poor operators on the amateur bands. However, I don't know whether this "cost" will or will not outweigh the benefits of getting more good technical people involved in amateur radio.

====
Ronald H. Nicholson, Jr.   Hewlett Packard
uucp: nicholso@hpda.HP.COM   Cupertino, CA
(408) 447-6603   #include <canonical disclaimer>
N6YWU   private pilot ASEL 151 hours

From 644805207186328549
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b59cf9ca143967b3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-18 22:11:58 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!ucbvax!hplabs!hpda!hpcuha!nicholso
From: nicholso@hpcuha.HP.COM (Ron Nicholson)
Newsgroups: rec.ham-radio

Subject: IC-24AT receive images
Message-ID: <22480013@hpcuha.HP.COM>
Date: 18 Aug 90 18:12:17 GMT
Organization: Hewlett Packard, Cupertino
Lines: 38
Posted: Sat Aug 18 19:12:17 1990

I found several apparent images in an Icom 24AT with the receive capabilities opened up.

Displayed	Received same as:	difference
85.645	147.385	(61.74)
85.310	147.060	(61.75)
88.00	TV channel 36 audio	
149.745	TV channel 36 audio	
201.250	146.940	(54.31)
201.500	147.060	(54.44)
206.875	TV channel 36 audio	

What frequency is channel 36 audio supposed to be transmitted on?
Could I have picked up a some sort of remote feed?

Other frequencies tested:

Air band: The Icom was not as sensitive as a Sony Air-8 air-band receiver, but still picked up several control towers and aircraft out to about a 20+ mile radius. An attic mounted discone was used for both radios for this comparison.

Middle of the 800 MHz range: the expected signals, about a dozen cells could be heard.

In the FM broadcast band I could hear a few strong local stations (106.5 MHz comes to mind), but only when very quiet music passages were being playing.

BTW using the rubber duck antenna that comes with the 24AT is like transmitting into an attenuator. I get signal reports up to 3 S-units higher with either a 19" metal whip or a Yeasu dual band rubber duck.

====
N6YWU
Ronald H. Nicholson, Jr.   Hewlett Packard
uucp: nicholso@hpda.HP.COM   Cupertino, CA
(408) 447-6603   #include <canonical disclaimer>

From -830947171216671306
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,971043bf6d2abfcc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-18 22:12:01 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!hplabs!hpda!hpcuha!nicholso

From: nicholso@hpcuha.HP.COM (Ron Nicholson)
Newsgroups: rec.ham-radio
Subject: ungrounded station questions
Message-ID: <22480014@hpcuha.HP.COM>
Date: 18 Aug 90 18:32:20 GMT
Organization: Hewlett Packard, Cupertino
Lines: 18
Posted: Sat Aug 18 19:32:20 1990

What is recommended for HF transmitting when a ground isn't available? Example situations: multi story apartments, hotel rooms, roof top stations, mountain top portable stations, or air mobile (aircraft operators permission, of course :-).

Do balanced antennas, balanced feedlines, or various matching networks help keep RF off the radio case? Are counterpoises effective and do they radiate?

Also, how can base fed vertical antennas without an earth ground be decoupled from the feedline?

Thanks,

```
====
Ronald H. Nicholson, Jr.         Hewlett Packard
uucp: nicholso@hpda.HP.COM       Cupertino, CA
(408) 447-6603                   #include <canonical disclaimer>
N6YWU                       private pilot ASEL 151 hours
```

From -703252923390654571
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,efb1404462ac226a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-18 22:51:23 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!ucbvax!SACEMNET.AF.MIL!lwrclmr
From: lwrclmr@SACEMNET.AF.MIL ("LWRCLMR")
Newsgroups: rec.ham-radio
Subject: TV and Cordless Phones
Message-ID: <9008190236.AA22820@ucsd.edu>
Date: 18 Aug 90 20:55:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Sat Aug 18 21:55:00 1990

A recent posting mentioned a bill being run through California regarding the monitoring of cordless phones. The author stated that allscanners, sw receivers and UHF TELEVISIONS TUNING THROUGH CHANNEL 83 can receive cordless phones. Can someone please explain this to me???

Last I checked, the old cordless phone operated on 1.7/49 MHz and the new ones are on 46/49MHz. Now I'm not sure exactly where the UHF channels are all at, however I do know it starts up around 470 MHz or so and channel 2, which is the lowest TV channel I know of starts at about 56 MHz and they all go up from there. SO how do you get cordless phones on UHF TV?? Is there a new set of frequencies for cordless phones?? I know I'm not always on top of new developments, so PLEASE fill me in. Inquiring minds and all that.

Thanks
73,
Michael
WA7SKG

From -3981540148171761299
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,22508ee0a21172c7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-18 23:26:36 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9008182125.AA14460@blackbird.afit.af.mil>
Date: 18 Aug 90 21:25:44 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 414
Posted: Sat Aug 18 22:25:44 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #735 -
Alouette 1
1 00424U 62B-A  1 90217.43935311  .00000117  00000-0  13196-3 0  3354
2 00424  80.4624 237.5137 0023878 142.7307 217.5501 13.67370855389428
ATS 3
1 03029U 67111  A 90221.46812524 -.00000075  00000-0  99999-4 0  4005
2 03029  13.2684  20.9607 0025942 140.8622 219.0213  1.00273268 83322
Cosmos 398
1 04966U 71 16  A 90228.71719487  .00044302  17658-4  24441-3 0   369
2 04966  51.5342  85.8551 2238883 262.3130  71.9824 11.13296316598422
Starlette
1 07646U 75010  A 90226.34880163 -.00000041  00000-0  15309-4 0   931
2 07646  49.8278 288.9953 0205974  23.3874 337.6227 13.82140335783829
LAGEOS
1 08820U 76039  A 90228.23967476  .00000003  00000-0  00000 0 0   935
2 08820 109.8592  15.6817 0044556 225.5514 134.1348  6.38664097 77771
```

```
GPS-0001
1 10684U 78020  A 90227.76979836  .00000007  00000-0  99999-4 0  4756
2 10684  63.7692  87.7128 0119449 198.1291 161.5017  2.00556119 77044
GPS-0002
1 10893U 78 47  A 90221.76632603 -.00000024  00000-0  00000 0 0  2173
2 10893  64.3521 328.7590 0164941  25.3122 335.5089  2.00542896 89745
GOES 3
1 10953U 78062  A 90224.78081405  .00000100  00000-0  99999-4 0  9362
2 10953   7.0770  65.7924 0009415  77.9338 282.2648  1.00268149  5200
SeaSat 1
1 10967U 78064  A 90226.08156056  .00000377  00000-0  17330-3 0  3604
2 10967 108.0240  79.6637 0002608 232.3927 127.6962 14.35779967634769
GPS-0003
1 11054U 78093  A 90224.53973275 -.00000024  00000-0  00000 0 0  2546
2 11054  63.8857 324.9292 0060313 120.0355 240.6205  2.00567899 86818
Nimbus 7
1 11080U 78098  A 90227.18260921  .00000061  00000-0  70804-4 0  6875
2 11080  99.1856 130.7542 0008469 290.4139  69.6112 13.83448137596194
GPS-0004
1 11141U 78112  A 90228.13307626  .00000006  00000-0  00000 0 0  4198
2 11141  63.7278  87.5701 0058960 316.1665  43.4288  2.00554894 85589
GPS-0005
1 11690U 80 11  A 90225.78140007  .00000008  00000-0  00000 0 0    35
2 11690  64.2346  89.7868 0117450 202.8242 156.7273  2.00555150 91394
GPS-0006
1 11783U 80 32  A 90224.59243728 -.00000023  00000-0  00000 0 0  1920
2 11783  63.6882 324.4785 0150979  60.5252 301.0116  2.00559325 75453
GOES 5
1 12472U 81049  A 90227.57341098 -.00000112  00000-0  99999-4 0  9562
2 12472   3.6189  75.2038 0001620  11.5511 348.6157  1.00206812 32822
DE 1
1 12624U 81 70  A 90227.03022287 -.00015886  00000-0 -85339-1 0  5024
2 12624  88.9679 147.3251 6202909 262.7764  27.6310  3.51002112264083
SME
1 12887U 81100  A 90228.64343824  .00033899  00000-0  50774-3 0  7773
2 12887  97.6323 279.9360 0002870 108.8983 251.2729 15.54893415490655
Salyut 7
1 13138U 82 33  A 90227.71340860  .00048579  00000-0  42538-3 0  4444
2 13138  51.6022   1.8216 0000158 106.9479 253.1372 15.68383363474185
Cosmos 1383
1 13301U 82 66  A 90227.57350900  .00000064  00000-0  68922-4 0  5907
2 13301  82.9291 257.2464 0028291   0.6644 359.4546 13.67839204405797
LandSat 4
1 13367U 82 72  A 90228.28247918  .00000558  00000-0  13361-3 0  4160
2 13367  98.1594 289.6183 0002759 322.5301  37.5705 14.57141496430055
IRAS
1 13777U 83  4  A 90224.50031135  .00000102  00000-0  82666-4 0  7998
2 13777  99.0252  60.4214 0011612 230.8455 129.1654 13.98810686 54815
Cosmos 1447
1 13916U 83 21  A 90226.08596801  .00000057  00000-0  54114-4 0  7371
2 13916  82.9475 329.2560 0038413 341.2101  18.7619 13.74053418370621
TDRS 1
1 13969U 83 26  B 90227.75615699  .00000131  00000-0  99999-4 0   574
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2 13969   4.6293  65.6478 0003503  86.9690 273.0654  1.00282926   567
GOES 6
1 14050U 83 41  A 90219.71519194  .00000117  00000-0  99999-4 0  2243
2 14050   2.3587  77.7216 0002269 100.4603 259.7843  1.00270429   250
OSCAR 10
1 14129U 83 58  B 90225.51307114 -.00000056  00000-0  00000 0 0  5426
2 14129  26.0544 189.8229 5951679 167.4307 219.3909  2.05881741 25915
GPS-0008
1 14189U 83 72  A 90228.56591407  .00000005  00000-0  99999-4 0  8174
2 14189  63.3839  85.9799 0147626 219.3551 139.6438  2.00702350 51971
LandSat 5
1 14780U 84 21  A 90229.13483342  .00000154  00000-0  39259-4 0  2822
2 14780  98.2013 288.2856 0002129  80.6866 279.4609 14.57117395343596
UoSat 2
1 14781U 84 21  B 90227.62495292  .00000948  00000-0  18296-3 0  7667
2 14781  97.9462 278.2286 0013747  60.6820 299.5757 14.65551585344672
GPS-0009
1 15039U 84 59  A 90227.70396735  .00000005  00000-0  00000 0 0    89
2 15039  63.1730  85.1937 0022372 233.3912 126.4832  2.00611410 45237
Cosmos 1574
1 15055U 84 62  A 90227.43643593  .00000069  00000-0  67964-4 0  9264
2 15055  82.9554  18.6242 0027609 154.8900 205.3604 13.73368009308208
GPS-0010
1 15271U 84 97  A 90226.63427582 -.00000024  00000-0  00000 0 0  8838
2 15271  63.1937 323.9374 0105989 327.7707  31.6247  2.00558638 42324
Cosmos 1602
1 15331U 84105  A 90225.27433186  .00001823  00000-0  24612-3 0  3360
2 15331  82.5400 307.9966 0023823 141.3815 218.9105 14.78400144316521
NOAA 9
1 15427U 84123  A 90228.32885771  .00000306  00000-0  18641-3 0  6167
2 15427  99.1712 229.5645 0014952 196.4662 163.6025 14.12635648292475
Cosmos 1686
1 16095U 85 86  A 90227.77709717  .00103828  00000-0  89651-3 0  7276
2 16095  51.6033   1.4997 0000214 287.7209  72.2062 15.68409989275296
GPS-0011
1 16129U 85 93  A 90224.84339198  .00000006  00000-0  00000 0 0  5638
2 16129  63.9073  86.2915 0124926 148.6411 212.1898  2.00510125 35497
Mir
1 16609U 86 17  A 90227.67787735  .00022741  00000-0  23561-3 0  8652
2 16609  51.6129  30.0674 0010329 269.1463  90.8320 15.64538111257409
SPOT 1
1 16613U 86 19  A 90228.66939301  .00000153  00000-0  80956-4 0   744
2 16613  98.7307 302.3184 0001495  51.5984 308.5323 14.20032869 72519
Cosmos 1766
1 16881U 86 55  A 90228.87896139  .00003783  00000-0  52156-3 0  1265
2 16881  82.5224   3.6236 0020885 146.7201 213.5300 14.77849309218112
EGP
1 16908U 86 61  A 90222.05180855 -.00000064  00000-0 -17591-3 0  2410
2 16908  50.0064  90.3950 0010138 333.1775  26.8534 12.44388526181561
NOAA 10
1 16969U 86 73  A 90228.29594424  .00000327  00000-0  15980-3 0  4583
2 16969  98.5953 254.8895 0014750  96.0240 264.2619 14.23687268203160
MOS-1
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1 17527U 87 18  A 90228.61136702 -.00000195  00000-0 -13221-3 0  6438
2 17527  99.1053 300.3799 0000562  75.9790 284.1413 13.94879364177688
GOES 7
1 17561U 87 22  A 90227.37359041 -.00000106  00000-0  99999-4 0  5781
2 17561   0.0652 125.0881 0006039 279.0897 315.8577  1.00275097  6036
Kvant-1
1 17845U 87 30  A 90227.74174763  .00026514  00000-0  27330-3 0  2238
2 17845  51.6068  29.7460 0011568 268.0380  91.9417 15.64548878 11952
DMSP B5D2-3
1 18123U 87 53  A 90229.18814863  .00000000  00000-0  99999-5 0  6749
2 18123  98.8163  58.9690 0014400 206.2447 153.7998 14.14097609163028
RS-10/11
1 18129U 87 54  A 90228.83833895  .00000118  00000-0  11868-3 0  2904
2 18129  82.9258 283.7201 0010662 316.3217  43.7104 13.72102289157768
Meteor 2-16
1 18312U 87 68  A 90228.05733219  .00000219  00000-0  18868-3 0  4772
2 18312  82.5444 242.8154 0012990  76.8955 283.3614 13.83668370151268
Meteor 2-17
1 18820U 88  5  A 90227.96941032  .00000149  00000-0  12342-3 0  3436
2 18820  82.5462 302.9413 0017117 152.1235 208.0846 13.84361223128457
DMSP B5D2-4
1 18822U 88  6  A 90229.15840043  .00000279  00000-0  14478-3 0  6105
2 18822  98.6362 106.9076 0007738  93.6378 266.5684 14.21507715131484
AO-13
1 19216U 88 51  B 90216.89332159 -.00000150  00000-0  99999-4 0  1436
2 19216  56.9610 142.4159 7002982 232.8606  40.9111  2.09704479 16420
OKEAN 1
1 19274U 88 56  A 90228.82647493  .00001849  00000-0  25718-3 0  9251
2 19274  82.5165 102.3566 0020365 286.5041  73.4045 14.77211793113872
Meteor 3-2
1 19336U 88 64  A 90227.52777584  .00000392  00000-0  99999-3 0  5542
2 19336  82.5311 235.4294 0017475 161.8581 198.3144 13.16902395 98766
NOAA 11
1 19531U 88 89  A 90229.12263091  .00000571  00000-0  33461-3 0  3399
2 19531  98.9846 177.5077 0013194 111.9323 248.3251 14.11671260 97568
TDRS 2
1 19548U 88 91  B 90204.00000000  .00000115  00000-0  99999-4 0  1457
2 19548   0.2228  81.8393 0004382  63.7946 340.6711  1.00271163   617
Cosmos 2001
1 19796U 89 11  A 90228.00950097 -.00001022  00000-0  99999-4 0  6006
2 19796  63.4011  85.3906 7062946 319.8768   5.2994  2.00674401 11001
GPS BII-01
1 19802U 89 13  A 90217.29360687  .00000016  00000-0  99999-4 0  1528
2 19802  55.0464 195.4754 0053404 166.0726 194.0544  2.00642946 10736
Akebono
1 19822U 89 16  A 90228.37041310  .00014189  00000-0  84484-3 0  7145
2 19822  75.0987 209.3076 4170816 183.3564 172.7655  7.13244325  4125
Meteor 2-18
1 19851U 89 18  A 90227.30611102 -.00000122  00000-0 -11520-3 0  2884
2 19851  82.5207 181.3573 0013545 193.5602 166.5208 13.83989517 73745
TDRS 3
1 19883U 89 21  B 90204.00000000 -.00000235  00000-0  99999-4 0  1480
2 19883   0.2485  80.7470 0002018 132.5800  46.4494  1.00263623 75316
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1 20061U 89 44  A 90209.06841396 -.00000033  00000-0  00000 0 0  1461
2 20061  54.7902  14.1650 0087574 174.1143 186.0045  2.00484641  8312
Nadezhda 1
1 20103U 89 50  A 90227.53863547  .00000066  00000-0  64379-4 0  1862
2 20103  82.9562 241.2394 0036358 232.2580 127.5281 13.73603397 55864
GPS BII-03
1 20185U 89 64  A 90209.47384760  .00000016  00000-0  99999-4 0  1372
2 20185  54.9206 196.6351 0023373 161.0141 199.0610  2.00622687  6899
Activnyi
1 20261U 89 80  A 90227.71773960 -.00007338  00000-0 -23305-2 0  6687
2 20261  82.5979 190.7642 1257312 203.7796 150.0114 12.43824823 39996
Activnyi RB
1 20262U 89 80  C 90228.51623732  .00000232  00000-0  71005-4 0  2725
2 20262  82.5976 190.3447 1260237 202.2877 151.8489 12.43241573 40099
Magion 2
1 20281U 89 80  B 90227.99583486 -.00029510  00000-0 -93532-2 0  6697
2 20281  82.5955 190.4888 1256746 202.9427 151.0390 12.44085857 40034
GPS BII-04
1 20302U 89 85  A 90209.33421711 -.00000027  00000-0  99999-4 0  1383
2 20302  54.6320 315.4260 0031893 317.6591  42.0933  2.00370395  5696
Meteor 3-3
1 20305U 89 86  A 90227.83041059  .00000008  00000-0  84656-5 0  1962
2 20305  82.5546 175.9338 0015310 176.1061 184.0204 13.15862265 38795
COBE
1 20322U 89 89  A 90222.05788617  .00002005  00000-0  13213-2 0  1553
2 20322  99.0218 231.7461 0007580 214.2407 145.8283 14.02681578 37041
Kvant-2
1 20335U 89 93  A 90227.74174763  .00026491  00000-0  27330-3 0  3434
2 20335  51.6128  29.7448 0010358 270.6694  89.2927 15.64543239 11958
GPS BII-05
1 20361U 89 97  A 90221.97664954  .00000015  00000-0  99999-4 0   906
2 20361  54.9826 138.2198 0063606  49.6575 310.9235  2.00582513  4808
SPOT 2
1 20436U 90  5  A 90228.63432099  .00000357  00000-0  18546-3 0  3284
2 20436  98.7310 302.3429 0000964 109.4924 250.6436 14.20033774 29329
UO-14
1 20437U 90  5  B 90228.75693145  .00000645  00000-0  27267-3 0  1984
2 20437  98.6937 304.6835 0010992 342.2903  17.7890 14.28678148 29511
UO-15
1 20438U 90  5  C 90229.07212934  .00000188  00000-0  83222-4 0  1137
2 20438  98.6992 304.9676 0010206 339.4688  20.6151 14.28406524 29559
PACSAT
1 20439U 90  5  D 90216.48713632  .00000308  00000-0  13886-3 0  1008
2 20439  98.7027 292.5808 0012043  19.3986 340.7653 14.28772947 27764
DO-17
1 20440U 90  5  E 90226.07537790  .00000250  00000-0  11488-3 0  1096
2 20440  98.7013 302.1576 0011828 351.9544   8.1444 14.28826686 29132
WO-18
1 20441U 90  5  F 90224.66019277  .00000220  00000-0  10300-3 0  1038
2 20441  98.7009 300.7716 0012258 356.5953   3.5144 14.28919588 28938
LO-19
1 20442U 90  5  G 90225.42069383  .00000233  00000-0  10768-3 0  1051
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2 20442  98.6996 301.5521 0012534 354.3647   5.7392 14.28989515 29048
GPS BII-06
1 20452U 90  8  A 90211.55522538  .00000002  00000-0  99999-4 0   833
2 20452  54.5297 254.1934 0028547  42.4190 317.8728  2.00872220  3711
MOS-1B
1 20478U 90 13  A 90228.71179445  .00000200  00000-0  17497-3 0  3912
2 20478  99.1872 298.6676 0000541 119.6379 240.4773 13.94841510 26572
DEBUT
1 20479U 90 13  B 90227.58122170  .00000194  00000-0  48684-3 0   999
2 20479  99.0324 262.8654 0540233 274.0841  79.8710 12.83142142 24362
FO-20
1 20480U 90 13  C 90226.64199642 -.00000003  00000-0  21250-4 0  1010
2 20480  99.0365 262.1079 0540315 276.1807  77.8024 12.83158486 24240
MOS-1B R/B
1 20491U 90 13  D 90227.49760334  .00000256  00000-0  52891-3 0  1101
2 20491  99.0341 268.1399 0470019 252.2340 102.6994 13.02732283 24122
LACE
1 20496U 90 15  A 90228.69187360  .00004845  00000-0  29597-3 0  2121
2 20496  43.0976 350.1816 0015437   5.9968 354.1093 15.11176657 27670
RME
1 20497U 90 15  B 90228.29458986  .00008789  00000-0  24237-3 0  2210
2 20497  43.1098 313.7906 0016109  10.5167 349.6053 15.37255960 28086
Nadezhda 2
1 20508U 90 17  A 90227.46655808  .00000052  00000-0  48954-4 0  1537
2 20508  82.9541  16.1896 0044125 179.2481 180.8756 13.73222778 23142
OKEAN 2
1 20510U 90 18  A 90228.84721239  .00001571  00000-0  23874-3 0  2616
2 20510  82.5238  41.8480 0021304  78.9184 281.4542 14.73326483 25004
INTELSAT-6
1 20523U 90 21  A 90228.53396366 -.00020068  00000-0 -14827-2 0  2676
2 20523  28.3418 228.0816 0016924 105.7956 254.6379 15.02603031 23532
GPS BII-07
1 20533U 90 25  A 90220.76188485 -.00000033  00000-0  00000 0 0   592
2 20533  55.1949  13.7801 0033747 106.1632 254.2126  2.00553626  2655
PegSat
1 20546U 90 28  A 90228.50615184  .00019080  00000-0  11717-2 0  1929
2 20546  94.1136 247.1464 0150111 114.5240 247.2590 15.01047737 19887
HST
1 20580U 90 37  B 90228.87395476  .00002737  00000-0  29962-3 0  1783
2 20580  28.4687 223.4371 0005675  42.1585 317.9433 14.84733485 17007
Kristall
1 20635U 90 48  A 90227.74174763  .00026477  00000-0  27330-3 0  1217
2 20635  51.6133  29.7442 0009531 271.0023  88.9579 15.64541682 11952
Molniya3-38
1 20646U 90 52  A 90200.10814418  .00000037  00000-0 -73888-3 0   474
2 20646  62.8398 222.1210 7408122 280.1598  10.9867  2.00631672   753
Gorizont 20
1 20659U 90 54  A 90200.67565930 -.00000191  00000-0  99999-4 0   309
2 20659   1.4506 269.2197 0018148 241.1368 119.4968  1.00255697    73
Cosmos 2084
1 20663U 90 55  A 90200.59639727  .00007190  00000-0  11641-2 0   538
2 20663  62.8053  82.4265 0125965   8.1706 352.1652 14.66814477  4062
INTELSAT-F6
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1 20667U 90 56  A 90207.26374779 -.00000229  00000-0  99999-4 0   167
2 20667   0.3291 256.9693 0023207 329.7099 133.1088  1.00259988   355
1990 056C
1 20669U 90 56  C 90205.34975916  .00004894  00000-0  18629-2 0   212
2 20669  24.2163 253.6506 7415552  19.3527 358.1981  2.10983344   656
Meteor 2-19
1 20670U 90 57  A 90228.01912386  .00000071  00000-0  58175-4 0   402
2 20670  82.5458 241.1763 0017223 116.1592 244.1338 13.83843692  6797
1990 057B
1 20671U 90 57  B 90216.51423767  .00000047  00000-0  36479-4 0   120
2 20671  82.5422 250.2905 0015772 149.0383 211.1711 13.84159262  5206
GAMMA
1 20683U 90 58  A 90227.03052121  .00023438  00000-0  43646-3 0   701
2 20683  51.6182 277.2667 0014273 348.9406  11.1391 15.48624432  5383
BADR-1
1 20685U 90 59  A 90228.82639049  .00267205 -69783-5  57649-3 0   419
2 20685  28.4888  97.2719 0509988 104.3344 261.4832 15.03689538  4776
1990 059B
1 20686U 90 59  B 90226.85071719  .00425686 -75753-5  84909-3 0   574
2 20686  28.4837 108.5956 0469579  85.7269 279.6442 15.13710575  4493
RESURS-F7
1 20687U 90 60  A 90227.01735972  .00102889  38217-5  15982-3 0   614
2 20687  82.3122  70.7985 0010536 249.2335 110.7947 16.03958274  4594
Cosmos 2085
1 20693U 90 61  A 90226.63685602 -.00000107  00000-0  99999-5 0   339
2 20693   1.4274 271.7218 0003234  95.1287 264.9506  1.00276001   270
1990 061D
1 20696U 90 61  D 90222.64049571 -.00000101  00000-0  99999-4 0   106
2 20696   1.4601 271.9740 0029668  43.1699 316.7421  1.00175235   211
TDF-2
1 20705U 90 63  A 90222.16777045 -.00000119  00000-0  99999-7 0   135
2 20705   0.0479 219.8465 0001372 200.5234 299.6476  1.00271257   211
DFS-2
1 20706U 90 63  B 90220.04234414  .00000177  00000-0  99999-4 0   140
2 20706   0.0828 231.9245 0002983 244.9883 243.3884  1.00245602   126
Cosmos 2087
1 20707U 90 64  A 90226.71588961 -.00001134  00000-0  99999-4 0   416
2 20707  62.8888 163.1709 7356452 318.4829   4.5625  2.00535984   415
1990 064B
1 20708U 90 64  B 90227.06369385  .01233070  37950-4  11446-2 0   438
2 20708  62.8186  89.5109 0149291 124.5020 236.9614 15.92867610  3203
1990 064D
1 20710U 90 64  D 90226.36562250 -.00000392  00000-0  73553-3 0   180
2 20710  62.8745 163.1919 7322173 318.4668   4.6607  2.04560558   407
CRRES
1 20712U 90 65  A 90222.11350573  .00000224  00000-0  28462-3 0    64
2 20712  18.1640  41.0126 7123233 211.1892  73.8080  2.43370953   386
1990 065B
1 20713U 90 65  B 90222.99425159 -.00000628  00000-0 -59490-3 0   171
2 20713  18.0721  41.3389 7132730 211.2827  73.3565  2.42466499   407
1990 063C
1 20717U 90 63  C 90225.63830862  .00000827  00000-0  21301-2 0   154
2 20717   4.0014  83.9340 7244794 193.5246 123.8973  2.25183248   437
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1 20720U 90 66  A 90226.79118633 -.00000004  00000-0  20888-4 0   254
2 20720  73.6022 294.4424 0026074 252.5446 107.2687 12.40568286  1957
1990 066B
1 20721U 90 66  B 90219.69233701 -.00000007  00000-0  00000 0 0   106
2 20721  73.6032 303.9414 0024590 265.3819  94.4427 12.41006618  1070
Soyuz TM-10
1 20722U 90 67  A 90227.74174763  .00026493  00000-0  27330-3 0   245
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GPS BII-08
1 20724U 90 68  A 90228.09020649  .00000016  00000-0  99999-4 0    86
2 20724  54.7021 193.8213 0094698 116.7176 244.2306  2.00549586   244
1990 068B
1 20725U 90 68  B 90227.08815906  .09364301 -24484-4  10099-2 0   373
2 20725  30.1254  87.6575 0072767 164.4819 195.9040 16.27636790  2044
1990 068C
1 20726U 90 68  C 90225.14301115  .00076212  33101-5  39991-3 0   170
2 20726  37.6996 178.3418 6050304 209.3686  95.2826  4.08322235   453
1990 062D
1 20728U 90 62  D 90227.04628656  .02132199 -58722-5  41826-3 0   333
2 20728  82.3125  64.5093 0008753 314.7830  45.3740 16.31600518  4130
1990 062E
1 20729U 90 62  E 90216.71492915  .32052186 -57768-5  17927-2 0    88
2 20729  82.3143  76.6733 0010174 327.4304  33.9952 16.41449856  2462
Cosmos 2089
1 20732U 90 69  A 90227.00103156  .00875435  41459-4  25077-3 0   336
2 20732  62.8411 153.7472 0059471  72.7631 287.9772 16.22147527  1807
Cosmos 2090
1 20735U 90 70  A 90223.01031102  .00000023  00000-0  99999-4 0    60
2 20735  82.5634  45.2583 0015089  12.4294 347.7168 12.64988959   365
Cosmos 2091
1 20736U 90 70  B 90227.21747198  .00000004  00000-0  00000 0 0   100
2 20736  82.5759  42.5898 0000327 309.4614  50.6449 12.62224004   899
Cosmos 2092
1 20737U 90 70  C 90222.93549896  .00000022  00000-0  99999-4 0    54
2 20737  82.5659  45.3140 0004626   6.8192 353.2962 12.63000429   352
Cosmos 2093
1 20738U 90 70  D 90222.93382179  .00000023  00000-0  99999-4 0    55
2 20738  82.5718  45.3170 0008780   3.8858 356.2301 12.63776910   358
Cosmos 2094
1 20739U 90 70  E 90223.01159424  .00000023  00000-0  99999-4 0    62
2 20739  82.5727  45.2650 0012057  15.3231 344.8224 12.64410887   363
Cosmos 2095
1 20740U 90 70  F 90223.00855845  .00000023  00000-0  99999-4 0    41
2 20740  82.5701  45.2609 0019193   9.3616 350.7831 12.65779560   366
1990 070G
1 20741U 90 70  G 90224.06705591  .00000020  00000-0  99999-4 0    60
2 20741  82.5736  44.6297 0034678 196.5146 163.4814 12.55612911   492
Molniya1-78
1 20742U 90 71  A 90225.96483746  .00000316  00000-0  99999-4 0    76
2 20742  62.8348 213.2727 7403373 288.0818   9.2466  1.95646568    78
1990 071B
1 20743U 90 71  B 90227.06741150  .00517770  91267-5  10531-2 0   144
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2 20743  62.8171 198.2420 0255433 124.2209 238.3720 15.61071195   642
1990 071C
1 20744U 90 71  C 90227.07603921  .00819098  35357-4  99067-3 0   113
2 20744  62.8258 198.2021 0294806 117.0694 246.0658 15.59127790   647
1990 071D
1 20745U 90 71  D 90225.95117993  .00002888  00000-0  54485-1 0    70
2 20745  62.8141 213.2515 7397485 287.9942   9.2368  1.96524085    81
1990 072A
1 20752U 90 72  A 90227.15926671 -.00008384  57776-4  00000 0 0    25
2 20752  51.6107  33.3663 0026817 117.2377 243.1372 16.26662709    01
1990 072B
1 20753U 90 72  B 90228.38250530  .10410583  60110-4  39711-3 0   104
2 20753  51.6294  26.5590 0008506 116.9833 243.8848 16.43450116   203
1990 073A
1 20754U 90 73  A 90228.95994732  .00083311 -59391-5  27880-4 0    30
2 20754  82.3431 139.0953 0056865 107.4771 252.3450 16.21208926    95
```

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Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

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From -2140275614530471620
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1a6cb541b39c99f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-18 23:28:20 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Comments on various current issues
Message-ID: <30500689@ux1.cso.uiuc.edu>
Date: 18 Aug 90 23:35:00 GMT
References: <11128@crdgw1.crd.ge.com>
Lines: 221
Nf-ID: #R:crdgw1.crd.ge.com:11128:ux1.cso.uiuc.edu:30500689:000:11891
Nf-From: ux1.cso.uiuc.edu!phil    Aug 18 18:35:00 1990
Posted: Sun Aug 19 00:35:00 1990
```

> As a matter of introduction, I am a 38-year old extra class amateur
> radio operator licensed since 1967. I am a 100% CW operator whose
> interests encompass simple and economical antennas for Hf, propagation,
> traffic handling, DXing in connection with the study of antennas and
> propagation, and taking the time to discuss any topic of interest with
> another ham.

How would YOU feel if someone required that you learn some other method of
communication in order to earn the privilege of communicating in Morse Code
on the Amateur spectrum?

> Here are the issues of interest to me and my comments:
>

> 1. Reasons for keeping CW.

Tell me... when you say "...keeping CW" do you mean:
1. Keep CW as one of the modes hams may use
2. Keep the CW exam as a requirement for any amateur privilege

You did NOT say "exam". To me that means you probably meant #1, but maybe I am wrong and you meant #2. I do suspect many people will think that you meant #2 so maybe you could clarify.

> a. Its relatively small bandwidth makes good use of the limited amateur spectrum, thus enabling many QSOs to take place over a given frequency range. This feature is something that will become increasingly a factor in the near future as demands are made not only from within amateur radio but from without for more frequency spectrum.

CW does have a relatively small bandwidth. This is partly because it also has a slow "data rate". Voice, however, while having a very high data rate and also a very high data per bandwidth rate, suffers from the fact that most of the data itself is useless. This is not a comment on what we hear on the frequencies, but rather a description of the characteristic of the human voice. Arguments can also be made about WHAT is said with voice. So one possible reason to use CW is:

There is less opportunity, and fewer operators, "jawing off" in CW.

> b. A message has a better chance of getting through under conditions of weak signal, interference, or noise.

CW's ability to get through noise is NOT because it has a narrow bandwidth, but actually because it has a WIDER bandwidth. We just think the reason is the narrow bandwidth because we generally see CW as narrow and packet or RTTY (and other modes) as wider. The ability for ANY signal to overcome noise is strictly a function of its level of redundancy. Redundancy can take many forms. FM is redundant because the information is sent in many sidebands. CW is redundant because the carrier remains on for relatively lengthy time periods. Even raising the power is a real form of redundancy. When QRO can only barely get through, QRP will be unable to.

Slow packet down to the same rate, and it will be able to as well. But is this an efficient use of the spectrum if the number of messages you can get through is very low? Think in terms of "words per minute per bandwidth per watts". Bandwidth is "cycles per second" so you have two time components that cancel out. Now you have "words per cycle per watts".

Given extreme conditions, such as a ship beached on an unknown island in the south pacific in the middle of a storm, CW might be able to make it through when other modes might not. The reason for this is the fact that it is a SLOW mode. When conditions get tough for even CW, don't you find yourself going QRS?

> c. International communication is straightforward and simple with

> predefined Q signals and other accepted amateur abbreviations.

You can, and I do, use these Q signals in voice. CW does not have any exclusivity to abbreviations.

> d. Its simplicity enables any amateur, who is assumed to have a fundamental knowledge of the art and science of radio communication, to signal in the event of emergency when this most basic form of communication is required. The most appropriate instances are when one is isolated during an accident or natural unnatural disaster and other means of communication either do not work for reasons of equipment failure or because of inadequate signal levels at the receiver.

Unfortunately, we hams are losing this knowledge of the art and science.

> e. CW is a skill that is achieved through the expense of effort. My personal belief is that something is appreciated more if one works toward a goal and achieves it as a result of his own ability and work. Something has little value if it is given outright with no corresponding expense of energy on the part of the recipient. In the present case, that something is the privilege to operate an amateur radio station.

I believe quite differently than you do. My belief system is based on a simple economic model. For anything I might get, it costs me something to get it, and it benefits me in some way. While I usually do not actually quantify my individual decisions, I do think of them in that way.

When I choose to buy something in a store, I think in terms of the cost to me to buy it (which is MORE than just money... it includes the need I have for my pocket money for food if I am hungry, the effort to carry it home, etc.) vs. the benefits I will receive from it. If I believe the benefits will exceed the costs, I will buy it. I might have wrong information and in fact have many times bought things that turned out to have less benefit than their cost. I then decided to sell them because the benefit of keeping them was less than the benefit of the money I could get by selling them.

I decided to get into ham radio because the perceived benefit exceeded the perceived costs. I have understood correctly what ham radio was for many years. The perceived benefits were accurately understood. The costs, on the other hand, changed. I perceived the costs to be high because I was running into poor methods of teaching code. I finally found a ham radio class the was teaching the code in such a way that it was easy for me. The Morse Code turned out to be quite easy (as was the written exam, but I knew that already).

So in fact I got into ham radio because for me it became EASY to do relative to the benefits. I will remain active as a ham as long as the benefits of ham radio exceed the benefits of spending my time doing something else.

To bring my point to its zenith, my appreciation of ham radio is strictly based on the BENEFITS it gives me, and absolutely unrelated to the work involved in getting into it. That work, what little there was, is past me now and I cannot recover it.

> f. CW is a continuation of a form of communication that originated more than one hundred years ago, if not sooner. Today, it not only is still a proven fundamental means of communication, but it is an art form and a skill to achieve and to improve upon. It provides the user the opportunity to set several goals for desired levels of proficiency.

There are two parts to this. Your history lesson is probably accurate. Then you switch to something about proficiency levels. Are you meaning just proficiency levels in operating Morse Code? What about setting goals for proficiency levels on other areas? There are many of them, of course.

> g. CW permits one to have a conversation with another at a speed which is comfortable to the operator, and as a result, permits the operator to organize his thoughts so that a coherent and continuous exchange can take place. That is, there can be less pauses than are found in voice communication.

The pauses often heard in voice communication take place primarily in long winded transmissions. Keep your transmissions short and you won't have these problems.

> Ham Radio Dealer
>
> In connection with the comment above, my dealer was R and L Electronics of Hamilton, Ohio. They were courteous and handled my needs promptly. I was entirely satisfied with the repair that they made to my TS-940s.

I have found them to be this way as well. I have also found other dealers to be this way.

> Overall view of amateur radio.
>
> It is funny that in reading the news articles of several amateurs, that some things seem to remain the same: the discussions of the applicability of CW and other modes of communication, the status of particular classes of licensees, the perceived importance of the kind of call sign one uses, the mystery of electromagnetic radiation and its application, the threats to amateur radio from within and from outside. These issues, among many others, are not new to amateur radio, because I was exposed to them when I started, and I suspect that older amateurs share a similar point of view with respect to their memories of the past.

Things never change; we are all different kinds of people. If we were all alike, it would be no fun at all.

> We should not lose sight of what amateur radio is about, however. In its most basic terms amateur radio is for experimentation, education,

> public service, international good will, and, certainly not the least,
> amateur radio is for fun. We have something which contains so much value
> and so much potential for good for others. I believe it is something we
> should treasure and preserve. I feel we can best do that by treating others
> with respect, courtesy, calmness, and reason. There are certainly
> abuses within amateur radio and issues of use of spectrum by outside
> interests. These issues can be met in an organized way and dealt with.
> If, however, the amateur community as a whole cares little about its
> integrity, it will ultimately be splintered, and its effectiveness
> as a constructive resource for the community will be lost.

I believe most of the posters here, as well as most hams, have the best
interests of ham radio in their mind. However the differences are most
likey a result of the basic differences as individuals.

> I have had many QSOs in my amateur radio experience, and from this
> I believe that most amateurs are good operators and care about their
> avocation. There certainly is hope for amateur radio, and that
> hope comes from the majority of amateurs who support the fundamental
> principles of amateur radio.

Now if we can only agree upon just what those fundamental principles are.
I suspect we never will. The "we" is the whole of the ham population.

> P. S. If anyone would like to discuss any of the topics further with
>   me, or anything else, I'm on CW most evenings on 80, 40, or
>   20 meters depending on propagation conditions. Look on 3.500
>   to 3.525, 3.677, 7.000 to 7.025, and 14.000 to 14.025 MHz. I
>   spend most of my time listening for DX so you may not hear me.
>   Call me on frequency or make a sked through email or better yet,
>   send me a message through the National Traffic System the old CW
>   way.

It looks like we are sufficiently different in operating that we probably
won't communicate by ham radio very soon. I primarily use the VHF and UHF
bands using voice modes, and expect to be going into packet radio and ATV
soon. I do notice most of the above frequencies are in the Extra class
only subbands. Is this intentional? I would respect your desire to limit
your operation to others who have higher speed code skills, as the slower
code speeds can quickly get boring. Not much gets said when you can only
say 5 words every minute. I would like to make the suggestion that you
find time sometimes to visit the Novice subbands, and help someone with
practice in their code. You would have to tolerate their slow and poor
code, but I suspect you are good operator and they could use some good
examples, as well as the practice.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 3403767592349910588
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-18 23:28:24 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!know!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: New License Classes
Message-ID: <30500690@ux1.cso.uiuc.edu>
Date: 18 Aug 90 23:51:00 GMT
References: <5006@infmx.UUCP>
Lines: 59
Nf-ID: #R:infmx.UUCP:5006:ux1.cso.uiuc.edu:30500690:000:1961
Nf-From: ux1.cso.uiuc.edu!phil   Aug 18 18:51:00 1990
Posted: Sun Aug 19 00:51:00 1990

Since we are tossing out ideas of license class structures, I'll toss
out mine as well:

```
     .   .    .    .   .
    VHF / UHF  track            HF / code  track

          |                            |
          |                            |
          V                            V

    COMMUNICATOR                NOVICE                <----  beginner /
    basic written exam          basic written exam           entry level
          .                     HF written element
          .                     5 WPM CW exam
    limited privs > 50 Mhz      COMM+ limited HF privs


    TECHNICIAN                  GENERAL
    advanced written exam       advanced written exam  <----  primary
          .                     HF written element            classes
          .                     5 WPM CW exam
    all privs > 50 Mhz          TECH+ most HF privs
```

The upgrade paths are:

```
        start
          |
          V
     COMMUNICATOR  --->  NOVICE
          |                |
          |                |
          V                V
     TECHNICIAN  ---->  GENERAL
                           |
                           |
                           V
                          ???
```

There is no path from Novice to Tech in this scheme because if you can pass the combination of exam elements for Novice and Tech you have passed all the ones for General. You can of course skip any number of steps you want to from the starting point.

More privilege details:

Novice:
    current novice privs at 200 watts max.
    plus:
Communicator:
    25-50 watts max on VHF/UHF
    5-10 watts max on SHF/EHF
    Not control op of repeater/beacon/auxiliary

The "???" is a place where you can still have Advanced and Extra classes. Many hams now holding these would not want to see the system too radically simplified.
--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 9040657432565627577
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,935ba83c915ad71c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-18 23:28:27 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: My 2 cents worth. NO-CODE
Message-ID: <30500692@ux1.cso.uiuc.edu>
Date: 19 Aug 90 04:12:00 GMT
References: <6847@vax1.acs.udel.EDU>
Lines: 43
Nf-ID: #R:vax1.acs.udel.EDU:6847:ux1.cso.uiuc.edu:30500692:000:2337
Nf-From: ux1.cso.uiuc.edu!phil   Aug 18 23:12:00 1990
Posted: Sun Aug 19 05:12:00 1990

> I'm no psychologist, but I can read psychology textbooks. Much
> experimental evidence exists that correlates the perceived effort a
> person has to expend to obtain something, with how highly they value
> that something after obtaining it.

But as much evidence exists to the contrary as well. In particular this characteristic differs from one individual to the next.

> Passing a written test alone requires much less effort than a written
> test plus an operating skill test. Should the goal be to make it easier
> to get into amateur radio, or to encourage leading edge technical skills

> over traditional operating skills? Would a more difficult written test
> that requires as much study time, on average, as it takes to learn code
> at 5 WPM be appropriate?

Again, things differ between individuals. Some people find the code test harder, some find the written test harder, some find both easy, and some find both hard.

A more difficult test for the sake of being more difficult is out of place. Such a test serves no purpose but to haze people. The test to earn the privilege of being a ham radio operator should test for what knowledge and skills are required to be able to share a radio spectrum. It doesn't need to be intentionally hard. Some will find it hard and some will find it easy no matter what you come up with.

> I value the very polite style of operating usually found in most amateur
> bands. The percentage of poor operators is significantly higher on CB.
> I've heard obscenities a few times on SSB and 2M, never in the novice CW
> subbands, and in well over 20% of CB transmissions I've monitored. IMHO a
> no-code license will somewhat increase the percentage of poor operators
> on the amateur bands. However, I don't know whether this "cost" will or
> will not outweigh the benefits of getting more good technical people
> involved in amateur radio.

CW as an operating mode tends to discourage bad operating practices. It's time we thrust off that crutch and start to "heal" the Amateur Radio service directly. Sure, there are some bad operators, but this problem can be dealt with. But it is by no means at the crisis level either.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From -1027138169531790895
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,935ba83c915ad71c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-18 23:28:32 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: My 2 cents worth. NO-CODE
Message-ID: <30500691@ux1.cso.uiuc.edu>
Date: 19 Aug 90 04:04:00 GMT
References: <6847@vax1.acs.udel.EDU>
Lines: 86
Nf-ID: #R:vax1.acs.udel.EDU:6847:ux1.cso.uiuc.edu:30500691:000:4288
Nf-From: ux1.cso.uiuc.edu!phil    Aug 18 23:04:00 1990
Posted: Sun Aug 19 05:04:00 1990
```

>   It has been said that the reason for making a no code license

> is to attract high quality (tech) people into the hobby. I think it will have exactly the opposite effect. One of the things that has kept the hobby in reasonably good shape has been that the people who work for their ticket, ie. learn code, are more likely to be self policing than someone who is given a ticket. (Yes, GIVEN! I don't care how many technical questions you put on a test, any moron can memorize a question pool) Usually people who are "challenged" by a problem, like learning CW, and WORK to overcome (solve) that problem, carry that philosophy in life. It's those people, the ones who enjoy a good "challenge", like dealing with packet throughput or refining DSP or spread spectrum, are the people that we NEED in this hobby. (did Marconi know CW?)

First of all, let's get something straight here once and for all:

Learning Morse Code is, for the vast majority, EASY!

Morse is NOT a challenge, for the most part it is just hazing.

So what value is there in the "work" involved in it? It took me a grand total of 6 hours of study time to learn Morse Code. Does that make me feel my license is somehow more valuable? DEFINITELY NOT! In fact, the continued existance of the Morse Code requirement makes my license seem LESS valuable.

We hear this argument quite often. This is the one about the "work" ethic and such. Perhaps some people do value someone based on how much it costs to get. I don't. I value something on what I continue to get out of it.

> But it's too late now. We ran our big mouth and said we wanted a no-code license. The FCC is going to give us one like-it-or-not. They have been pressured on this subject for years. Now that "we" have expressed a desire to have a codless license, we'll get one.

Good! It's about time. I'm relieved to know all this effort has paid off. Maybe I might even VALUE IT for all the WORK I put in it :-)

> A couple of things may have been overlooked (or have long since died) that concern me:
>
> The FCC stated that they would not implement an additional class of license. It would require resources that they don't have. So, we opened our big mouths again and said that four-letter word "restructure". Ohhhh noooooooooooooooo!

They have the capacity for 6 classes because the present computer system was put together under the impression of an impending Communicator class in a prior proposal.

> The FCC also said that they would not issue calls that labeled these VHF/UHF codeless newcomers as codeless newcomers. It would require re-programming, effort, willingness, or something like that. Again, resources that they don't have. Now I guess we will have a large pool of codeless VHF/UHF apliance operators who have calls that are no

> different from the guys on HF. hmmm howz anybody gonna know??

How do you know NOW?? I am KA9WGN, and without looking it up you just
cannot tell. Am I a Novice? Tech? Advanced? You tell me.

>   <(Yo fellow pessimists! add your snow-ball effects here...)>

You are now revealed1

>   My only hope is, now that the inevitable is bound to happen,
> that we contact, elmer, befriend, encourage, and twist arms with these
> newcomers and get them to love and repsect their new privelege as most
> of us do. If we subject them to hazing or treat them as anything other
> than "fellow amateurs" (awwww, do I have to??) then they will have no
> more respect for the hobby than the folks on 11 meters (or 20 or 80).

If you convince them of the benefits they can enjoy with their license,
maybe they will respect it.

>   My problem now is that I still get nervous as a novice when I
> operate CW. I have got to get over my fear of working CW before the
> no-coders come.

If you operate HF, you won't see much difference. The "no-coders"
may be coming, but they are coming to at least above 30 Mhz and maybe
even above 220 Mhz. So if you are into code on HF, you won't see much
effect from "no code" except maybe a slight reduction on the overcrowding
down there.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 7069998568131330127
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,efb1404462ac226a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-18 23:46:21 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!rutgers!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Re: TV and Cordless Phones
Message-ID: <28618@netnews.upenn.edu>
Date: 19 Aug 90 05:01:43 GMT
References: <9008190236.AA22820@ucsd.edu>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 52
Posted: Sun Aug 19 06:01:43 1990

In article <9008190236.AA22820@ucsd.edu> lwrclmr@SACEMNET.AF.MIL ("LWRCLMR")

writes:

>A recent posting mentioned a bill being run through California regarding the
>monitoring of cordless phones. The author stated that allscanners, sw
>receivers and UHF TELEVISIONS TUNING THROUGH CHANNEL 83 can receive cordless
>phones. Can someone please explain this to me???

Somebody's mixing apples and oranges here.

Some shortwave radios can tune to the 1700 KHz band where the older cordless phones can be found, but "shortwave" receivers can't receive the VHF 46/49 MHz bands where most cordless phones operate, so they are of limited use.

Most scanners can be used on the VHF cordless phone frequencies. This is true.

UHF TV's capable of tuning up to channel 83 have no use in receiving cordless phone conversations. However, they can be used with limited success in listening to CELLULAR phones, which are in the 800 MHz band (870.03-889.98 for cellular base frequencies). Modern digital TV sets wouldn't work, but older ones with a fine-tuning control may work.
I haven't tried this myself.

Here are the cordless phone frequencies, if anybody needs them.

Channel	Base	Handset
1	46.61	49.67
2	46.63	49.845
3	46.67	49.86
4	46.71	49.77
5	46.73	49.875
6	46.77	49.83
7	46.83	49.89
8	46.87	49.93
9	46.93	49.99
10	46.97	49.97

49.83 is also commonly used for room monitors (aka baby monitors).

>Thanks
>73,
>Michael
>WA7SKG

You're welcome.

--- Jeff

--
-=-
Jeff DePolo N3HBZ   Twisted Pair: (215) 386-7199
depolo@eniac.seas.upenn.edu   RF: 146.685- 442.70+ 144.455s (Philadelphia)
University of Pennsylvania   Carrier Pigeon: 420 S. 42nd St. Phila PA 19104

From 6420421136167749370
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d9309d20914be40d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-18 23:56:29 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: IC-24AT Questions
Message-ID: <9008190556.AA27084@ucsd.edu>
Date: 19 Aug 90 05:56:15 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Sun Aug 19 06:56:15 1990

The BP-90 as supplied cannot be recharged, as far as I can tell. There's an adapter called an AD-14 that allows you to use the BP90 in the BC-72, but what it's function is I've not been able to find out. I called ICOM technical support, couldn't remember the adapter number at that time, and the person knew nothing about any such item. I'll call again with the number AD-14 in hand and see what they say.

The BC-74, which is what I think comes with the 24AT will charge the BP-85.   The CP-12 does no internal regulation. There's also a OPC-254 which is a DC power cord without the filter, cigarette lighter plug, but has two fuses, and is $4.50. It's a very small coaxial power plug, and I don't believe it's compatible with the 02AT since it's not the same as my IC32AT.

The BC35 cannot be used to charge the S series batteries to my knowledge, however the BC72 can run with 13.8VDC input.

The BP-85 can be charged by the BC-72, BC-74, CP-12, or the OPC-254, according to the manual.

The above information is from having an R1 in my hand which uses the same batteries, etc. as the IC24.

73, doug

From -3681012676734477817
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7b05df99ae12567a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-19 00:00:17 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes 1of3 8/17/90

Message-ID: <1613@n8emr.UUCP>
Date: 19 Aug 90 02:33:38 GMT
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 50
Posted: Sun Aug 19 03:33:38 1990

SB RTTYDX @ RTTYDX $RTDX0817
RTTY DX Notes 1of3 8/17/90

RTTY DX Notes for weekending 17th August 1990
BID: $RTDX0817
Part 1 of 3.

With the problems in the Middle East, one could be expected to assume that communications with that area would be closed off, but such does not appear to be the case. Several stations have been noted passing traffic (from both sides of the fence). It just goes to show that you cannot always trust these amateurs. Some of the information has been good and some bad, as one would expect under the circumstances.

Our thanks this week go to I5FLN, I5ICY, I5IGQ, JA1BLV, OD5NG, TG9VT, UT5RP, W2JGR, W0LKS and the Tri-State DX Association VHF packet cluster, and to those not named who also sent some interesting news.

Bandpass

Friday 10

VP2V/JH4IFF	21081	at	0030Z	
9K2??	14075	at	0545Z	ARQ
UA1OJ/UA9Q	14086	at	0622Z	
EA9MY	14084	at	0639Z	
5N0ETP	14088	at	2239Z	
J39BS	14090	at	2345Z	

Saturday 11

C56/6W6JX	14091	at	0005Z	
BY4AA	21086	at	0650Z	
TR8JLD	21084	at	0713Z	
TU2BB	21078	at	1155Z	ARQ/QSL
9V1JY	14088	at	1437Z	
V51P	21093	at	1455Z	QSL
VP8BFH	21089	at	1805Z	
UJ8JCQ	21086	at	1807Z	50BD
5N0ETP	21088	at	1826Z	
BV4VB	21094	at	1834Z	
ZD8BOB	21074	at	2054Z	ARQ
9Y4SF	14089	at	2102Z	QSL
5Z4BI	21085	at	2137Z	

Continued in part 2.
/EX

From 5852384686534191593
X-Google-Language: CZECH,ASCII-7-bit
X-Google-Thread: 10c9e3,fbe8311e0fa3b651,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-19 00:00:20 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes 2of3 8/17/90
Message-ID: <1614@n8emr.UUCP>
Date: 19 Aug 90 02:33:52 GMT
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 69
Posted: Sun Aug 19 03:33:52 1990

SB RTTYDX @ RTTYDX $RTDX0818
RTTY DX Notes 2of3 8/17/90

RTTY DX Notes for weekending 17th August 1990
BID: $RTDX0818
Part 2 of 3.

Sunday 12

RC8O/UB4MZG	14088	at	0443Z	
5Z4BI	21082	at	1313Z	
YC6HQ	14078	at	1356Z	ARQ
9V1JY	14089	at	1357Z	
BV4VB	14081	at	1614Z	
UJ8JCQ	21084	at	1651Z	
ZD9BV	21083	at	1700Z	QSL
P43SF	14094	at	2224Z	

Monday 13

TY1PS	14095	at	0121Z	
ZS6KC	21080	at	0727Z	ARQ
HS1BV	21083	at	0906Z	
J28TY	21091	at	1502Z	
XX9JN	21092	at	1457Z	
TL8TM	21092	at	1502Z	QSL
TA3B	21092	at	1502Z	
RC8O/UB4MZG	21083	at	1513Z	
TU2BB	14073	at	1730Z	
FP5DX	14089	at	2125Z	

```
Tuesday     14

FP5DX       14089  at  0245Z  QSL
V31AR       14080  at  0300Z
BY4AA       21081  at  0441Z
CE0ZIG      14074  at  0526Z  ARQ
7S4RY       14086  at  1500Z  QSL
9J2AL       21091  at  1607Z
ZD9BV       21083  at  1653Z
BV4VB       21091  at  1723Z
HL1SX       21088  at  2313Z


Wednesday   15

9Y4IBN      14071  at  0010Z  ARQ
J39BS       14085  at  0131Z
RV4F/RT4UY  14087  at  0340Z  QSL
7S4RY       14095  at  0552Z
TL8GM       14088  at  0643Z
JW7SP       14084  at  1240Z  QSL
CN2YL       21083  at  1447Z
TU2BB       21087  at  1753Z
V21AR       21087  at  1754Z
CE0ZIG      21074  at  2223Z  ARQ


Thursday    16

HV3SJ       14089  at  0038Z
OM2BLA      14087  at  0059Z
```

Continued in part 3.
/EX

From -4407417198452886893
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc9cdb5b660b4223,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-19 00:00:23 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes 3of3 8/17/90
Message-ID: <1615@n8emr.UUCP>
Date: 19 Aug 90 02:34:10 GMT
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 61
Posted: Sun Aug 19 03:34:10 1990

SB RTTYDX @ RTTYDX $RTDX0819
RTTY DX Notes 3of3 8/17/90

RTTY DX Notes for weekending 17th August 1990
BID: $RTDX0819
Part 3 of 3.

QSL Information.

V51P will QSL via Box 9080, Windhoek, Namibia.

TU2BB has QSL manager of N2HOS.

9Y4SF has WA4JTG as his manager.

ZD9BV says to send his cards to W4FRU.

TL8TM says that F6FNU will do his QSL work for him.

FP5DX collects his cards from Box F-97500, St Piere et Miquelion, Via France.

7S4RY will QSL via SM4CMG.

RV4F/RT4UY says that his QSL address is Box 73 Kiev, 2522909 USSR. That postal code looks odd, but that is what he was sending, though I did see one report that says it is 252209. But the station was sending the original number.

JW7SP says to QSL via LA3T.

Notes of Interest.

The station listed as 9K2?? was deliberate to prevent any repercussions. Some mail is drifting out.

7S4RY is a special call celebrating the 20th anniversary of the SARTG RTTY Contest.

ZD9BV has been fairly active with a weak signal, which he hopes to improve when he has finished building his house and his new beam.

JA2NQD and JH1BNL will operate from Belau and Yap from September 13th to 19th. QSL to their home calls.

JG1NBD will operate from S79 Seychelles, September 13th to 17th.
JH1QDB will operate from Ogasawara (JD1) from September 23rd to 30th.

There seems to be a rumor around that there will be activity from TI9 from the 19th to the 24th of this month. But nothing has been heard on a solid basis as yet. Keep looking, it may happen.

GL DE DX1.

Written by VK2SG. Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA.
Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.
/EX

From 2156285791996774310
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ad89c1ac2a7301aa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 10:28:33 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!
sdd.hp.com!ucsd!ucbvax!TRIUMFER.BITNET!MULTI
From: MULTI@TRIUMFER.BITNET
Newsgroups: rec.ham-radio
Subject: Barker and Williamson AP-10 apartment antenna
Message-ID: <90Aug14.182805edt.57647@ugw.utcs.utoronto.ca>
Date: 14 Aug 90 22:24:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Tue Aug 14 23:24:00 1990

From: ERICH::MULTI   "Ya'akov Miles,TRIUMF,Canada,V6T2A3,Tel 604-222-1047
" 19-JUL-1990 11:14:33.44
To: Orig_To! info-hams@uscsd.edu, MULTI
CC:
Subj: B&W AP-10 antenna

I have had trouble making my B&W AP-10 apartment antenna work on 40 meters. I can tune the resonantor to 1:1 SWR with my KW SUPERmatch antenna tuner, but the antenna radiates like a dummy load. Eight feet of wire stretched across the room loaded with the antenna tuner works way better. Ideas.

Ya'akov Miles,
<multi@triumfcl.bitnet>

From -5150861424018359726
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 12:26:52 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!
ucbvax!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: Re: A New War? (Really: The old war)

Message-ID: <18230031@hpfcdj.HP.COM>
Date: 15 Aug 90 19:26:52 GMT
References: <9008101350.AA19126@tilde>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 23
Posted: Wed Aug 15 20:26:52 1990

>I will repeat my statement, with emphasis to make sure you understand:
>   Morse code is essential for most weak signal communications at
>   VHF and above, WITH CURRENT EQUIPMENT AND TECHNIQUES. It's also
>   the most cost effective weak signal communications mode with any
>   equipment and/or technique.

I don't think that anyone can reasonably argue with the above; I know I can't, nor will I try. What's missing, though, and what started this whole mess, is some justification for *requiring a test of CW proficiency* in order to become a licensed amateur. That fact that CW is a useful technique under certain conditions does NOT, at least in my opinion, constitute such justification. Especially in light of the facts that other modes shine equally bright in their own "special domains", and even CW may be used WITHOUT the operator having any particular proficiency, given modern technology. Which is the "better ham": the kid who can copy and send 25 WPM flawlessly into his store-bought rig, or the one who builds his own CW keyboard which can easily do 40 WPM? Can't decide between them? Neither can I - there are arguments either way. So why can one kid get the license, while the other one can't?

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
myers@fc.hp.com                          |  sentient life-form on this planet.
```

From -3796478261707992225
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e611cef97a739f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 18:42:04 PST
Path: gmdzi!unido!mcsun!uunet!husc6!yale!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: What have you done to help the hobby?
Message-ID: <7440@helios.TAMU.EDU>
Date: 15 Aug 90 12:04:47 GMT
References: <14568@shlump.nac.dec.com>
Sender: usenet@helios.TAMU.EDU
Organization: Computer Science Department, Texas A&M University
Lines: 13
Posted: Wed Aug 15 13:04:47 1990

In article <14568@shlump.nac.dec.com> magid@select.enet.dec.com (Joel Magid...) writes:

```
>    Communicator Class ----- ALL Privs above 30Mhz  NO CODE
>    Novice Class             Current Privs          CODE 5 WPM
>   NEW CLASS                ALL Privs              CODE 5 WPM
>
>   ALL Tech,General, Advanced and Extra would become this NEW CLASS

I can just imagine the flames I'll get for this but (putting on Asbestos
Underware) IMHO this is the best idea yet!!



bill   KB3YV


From -8827892478988924597
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e611cef97a739f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 18:46:01 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!rutgers!bellcore-2!bellcore!messy!
mo
From: mo@messy.bellcore.com (Michael O'Dell)
Newsgroups: rec.ham-radio
Subject: Re: What have you done to help the hobby?
Message-ID: <26051@bellcore.bellcore.com>
Date: 15 Aug 90 12:58:24 GMT
References: <14568@shlump.nac.dec.com> <7440@helios.TAMU.EDU>
Sender: news@bellcore.bellcore.com
Reply-To: mo@bellcore.com (Michael O'Dell)
Organization: Center for Chaotic Repeatabilty
Lines: 11
Posted: Wed Aug 15 13:58:24 1990

Hear hear!!! Three cheers for a return to the good ol' days of
only 3 license classes!!!

Ain't having just 3 classes a "tradition??"

Communicator, Novice (I always spelled it "Novoice"), and NewWaves.
The other way to look at it is that you get an HF endorsement!
The international rules DO NOT specify a code speed, only some
kind of demonstrated proficiency!!!!

     -Mike


From -2741146116347499769
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fde24db339d4dc91
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 19:04:14 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Extra exam matter and code
```

Summary: maybe a new idea
Message-ID: <11049@crdgw1.crd.ge.com>
Date: 15 Aug 90 14:08:02 GMT
References: <16915@ucsd.Edu> <18230029@hpfcdj.HP.COM>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 67
Posted: Wed Aug 15 15:08:02 1990
In-reply-to: myers@hpfcdj.HP.COM (Bob Myers)

>>> OK, so CW is "relevant" if you're going to operate in the "weak signal
>>> portion of the band." Now please explain why it is "relevant" to GETTING
>>> A LICENSE in the first place.
>
>>It is OBVIOUSLY RELEVANT for any license that grants privelege to
>>operate in the weak signal portion of the band. Hence, my comments to
>>the FCC regarding their ill advised no-code license, in which I urge

One way to look at things is that if CW was tested as rigorously as
the technical theory, there would be a few questions on the novice test
like :

The name of a system that uses long and short signals to encode
letters and numbers is:

a) Morse code
b) long-and-short (L&S) code
...

On the extra exam, you would get some questions like:

The morse translation for the letter Q is:
a) ._._.
...

It would of course be possible to miss all the CW questions and still
pass the test.

New idea (I think):

Element 4b is broad but not very deep.   Face it, figuring out
RC time constants isn't real deep stuff for the "cream of the crop"
license grade.

I think it would be in keeping with the idea of incentive upgrades to
have some broad test like 4b, plus an in depth specialty element.
Communications theory, digital, microwave, TV.... Pick any one, but you
have to know your stuff! 20 wpm code would be just one of the

choices. To keep ITU etc happy, we can require a lower code speed for those who choose a technical specialty, or drop it for vhf and up.

This would put things in a little better perspective: that CW is important, but it is only one mode, along with TV, packet, phone, and all the others.

With some adaption, this plan could accomodate all those non-code hi-tech gurus we are supposed to be alianating.

Some people said I was bitching about the extra exam because I hadn't taken or passed it. Now I can bitch from experience! I even know the secret handshake.

Don Perley - ke2tp/ae

perley@trub.crd.ge.com

From -9001435539947343436
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1006e910312f271f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 19:14:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!decwrl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: Any info on 'ROSS'?
Message-ID: <88@thoreau.nsc.com>
Date: 15 Aug 90 13:31:55 GMT
References: <646@beguine.UUCP> <530018@hpdmd48.boi.hp.com>
Organization: National Semiconductor, S. Portland, Maine
Lines: 30
Posted: Wed Aug 15 14:31:55 1990

I, too, have had very good dealings with Ross Distributing of Preston, ID. I can similarly vouch for many of the hams in northern Utah; Ross supplies a lot of the radios there. His prices are normally quite good, Idaho has (had) no sales tax and when I got my TS430S (1985) they DID accept credit cards though they charge a fee (maybe 2%) to handle plastic. It all seemed quite fair to me; pay cash and get the best price otherwise don't complain if the retailer wants to keep his meager profit.

BTW Ross did us quite well at the WIMU hamfest, he was quite
cooperative in procuring the grand prize as well as providing
a good number of lesser prizes and grab-bag items.

Ross started out as a Western Auto franchise. When he got his
licence and wanted to get some equipment he discovered that
it was kind of difficult to do so in that area. He started
selling radios along side wrenches. After a few years the
radio buisness got so good that he gave up the WA franchise
and stuck with radios. I believe he DOES do scanner buisness.
All that Ross has become is a testament to a retailer who
still believes in giving the customer a fair shake and an
honest deal.

I am not connected with Ross Distributing but thought you
could use some personal experiance and observation of their
buisness.

Ron, K3FR

From -1860277797598592109
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e15021f72d925ca
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 19:18:09 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!rpi!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Iridium Cellular Service
Message-ID: <291@ultrix.uhasun.hartford.edu>
Date: 15 Aug 90 14:54:58 GMT
References: <631@entec.Wichita.NCR.COM> <1990Aug9.123238.4911@ameristar> <208@bongo.UUCP>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 95
Posted: Wed Aug 15 15:54:58 1990

In article <208@bongo.UUCP>, julian@bongo.UUCP (Julian Macassey) writes:
> In article <287@ultrix.uhasun.hartford.edu>, jbloom@uhasun.hartford.edu (Jon Bloom) writes:
> > In article <205@bongo.UUCP>, julian@bongo.UUCP (Julian Macassey) writes:
> > >
> > >   So yes, our internationally (as in WARC, ITU, CCIR) understood
> > > purpose is education and training. I really feel that the ARRL needs
> > > to get a grip on this.
> >
> > Julian, can you provide a reference to the ITU document(s) that state
> > that emergency communications is no longer a facet of amateur radio?

> > I must have missed them.
> >
> Mr. Bloom,
> If you read my posting carefully you will see that I did not say
> emergency communication had been removed. I said education and training
> are part of international documents. Seeing as you want to put words in
> my mouth, I will add that I am not aware that emergency comms are
> mentioned in international docs. But you would know all that, because
> you have access to a library that my fees pay for.

Let me quote again from your original message:

> I have said this before and been shamelessly flamed. I will say it
> again, maybe people will learn to read and ponder not scan and emote.
> Imternationally, the only reason for amateur radio is self training

                       ^^^^

> and experimentation. In most of the world "H&W Traffic" etc is third

So, I think I interpreted your posting correctly. If you didn't _mean_
to say that emergency communication is not an internationally recognized
reason for amateur radio, fine, but that _is_ what you said.

> While I have your attention, let me say that I do not appreciate your
> snide comments to me on an open forum. Also I am somewhat annoyed that

Those who live by the sword...

> I should have to put up with impertinence from someone who is an
> employee of an organisation that I support with my fees.

I think this comes under the heading of attacking the messenger because
you don't like the message.

Regarding the point (there is a point, once we cut through the flaming),
I think the following material from the international regulations is
instructive. And yes, Julian, I got this material from the library
here. I sometimes use the librry for research so that I can disseminate
material to counter erroneous information posted on the net.

=====
International footnote 510 (From the Radio Regulations, Geneva 1982):

510--For the use of the bands allocated to the amateur service at 3.5 MHz,
7.0 MHz, 10.1 MHz, 14.0 MHz, 18.068 MHz, 21.0 MHz, 24.89 MHz and 144 MHz
in the event of natural disasters, see Resolution 640.

RESOLUTION No. 640

[TITLE] Relating to the International Use of Radiocommunications, in
the Event of Natural Disasters, in Frequency Bands Allocated to the
Amateur Service

The World Administrative Radio Conference, Geneva, 1979

[I won't quote the whole thing. It's about use of the amateur
bands by nonamateur communication providers in time of emergency.
But there are a couple of interesting sections...]

considering

a)   that in the event of natural diaster normal communication
systems are frequently overloaded, damaged, or completely disrupted;

...

e)   that under those circumstances the stations of the amateur service,
because of their widespread distribution and their demonstrated capacity
in such cases, can assist in meeting essential communication needs;

f)   the existence of national and regional amateur emergency networks
using frequencies throughout the bands allocated to the amateur service;

g)   that, in the event of a natural disaster, direct communication between
amateur stations and other stations might enable vital communications
to be carried out until normal communications are restored;

...

etc.

```
-- 
Jon Bloom, KE3Z                              | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu         |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

From -6363837854607741942
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fde24db339d4dc91
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 19:28:39 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!haven!decuac!shlump.nac.dec.com!select.enet.dec.com!magid
From: magid@select.enet.dec.com (Joel Magid...)
Newsgroups: rec.ham-radio
Subject: Re: Extra exam matter and code
Message-ID: <14608@shlump.nac.dec.com>
Date: 15 Aug 90 15:26:56 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 93
Posted: Wed Aug 15 16:26:56 1990

In article <11049@crdgw1.crd.ge.com>, perley@galaxy (Donald P Perley) writes...

>
>New idea (I think):
>
>Element 4b is broad but not very deep. Face it, figuring out RC time constants isn't real deep stuff for the "cream of the crop" license grade.
>
>I think it would be in keeping with the idea of incentive upgrades to have some broad test like 4b, plus an in depth specialty element. Communications theory, digital, microwave, TV.... Pick any one, but you have to know your stuff! 20 wpm code would be just one of the choices. To keep ITU etc happy, we can require a lower code speed for those who choose a technical specialty, or drop it for vhf and up.
>
>This would put things in a little better perspective: that CW is important, but it is only one mode, along with TV, packet, phone, and all the others.
>
>With some adaption, this plan could accomodate all those non-code hi-tech gurus we are supposed to be alianating.
>
>

The following licensing idea came to mind after reading all of the notes in this file about the "Communicator Class" and "Incentive Licensing"

We could actually use our current system (already in place) and accomplish much of what everyone here has said or commented on.

The goal of this proposal is two fold:

1. Entry Level --- to get more young and non-technical people into this hobby.

2. Have those already in the hobby expand their knowledge of the various aspects of this hobby.

3. Make the administration of the licensing procedure less complicated. (not sure anything the government does is not complex)

Class	Elements	Options
Novice	2	CW 5 WPM
Technician	2,3a	Pick (1) from list below
General	2,3a,3b	" " " " "
Advanced	2,3a,3b,4a	" " " " "
Extra	2,3a,3b,4a,4b	" " " " "

Communicator 2,3a * (required)

Option List: (Aside from the code Exams these tests will be 25-30 multiple choice questions designed in the same manner as we have our tests designed today however the pool of questions should not be made public)

a. Packet
b. RTTY
c. CW 10 WPM
d. CW 15 WPM
e. CW 20 WPM
f. Microwave
g. Emergency Service / Operations
h. Net Operations / Control
i. SSTV
j. Community Service
*k. UHF/VHF Operations
l. Satellite

(The above list is not all inclusive)

All current allocations and privs remain the same.

All current licenses are grandfathered.

If the the current proposed Communicator Class is approved the 5 WPM Code will be required for upgrade to Technician. (this assumes that the VHF/UHF privs are different for Technician and Communicator.

The desired results here are that:

1. Everyone can get into the hobby.
2. Those with higher levels of license have a good background into more of the hobbies aspects.
3. We can maintain the same licenses structure and have it mean more to be a certain class then it does now.

From 9025589866042896247
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36479d10cc463300
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 19:51:24 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!burdvax!bigburd.PRC.Unisys.COM!darrel
From: darrel@bigburd.PRC.Unisys.COM (Darrel J. Van Buer)
Newsgroups: rec.ham-radio
Subject: Re: R L Drake
Message-ID: <14759@burdvax.PRC.Unisys.COM>
Date: 15 Aug 90 17:54:32 GMT
References: <3140002@hpcvts.cv.hp.com> <37400013@cpe>

Sender: news@PRC.Unisys.COM
Organization: Unisys Corporation, Paoli Research Center; Paoli, PA
Lines: 5
Posted: Wed Aug 15 18:54:32 1990

Drake repaired my TR-7 just last month; they're definitely still there in Miamisburg, OH.

Darrel J. Van Buer, PhD; c/o Unisys; 5731 Slauson Ave, Culver City, CA 90230
(213)338-3760   KI6VY   darrelj@CULV.UNISYS.COM

From 1744190150948120702
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2699ebdb5c41c918,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 19:52:06 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!decwrl!purdue!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: Tower climbing safety
Message-ID: <54534@iuvax.cs.indiana.edu>
Date: 15 Aug 90 18:22:20 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 86
Posted: Wed Aug 15 19:22:20 1990

eyg@hpnjld.HP.COM (Ed Gilbert) writes:

>I occasionally find myself doing antenna work atop guyed towers
>... While I feel quite safe once I am buckled in with a safefy belt,
>I keep thinking that there must be some simple devices that could
>make the climb up or down safer. Does anyone know of a commercial
>device that can prevent a person from falling off a tower during
>climbing? ...

I always use vertical-caving equipment for safety when working on towers. I wear a nylon rock-climbing seat harness, and attach myself to the tower with a loop of 1" tubular nylon webbing and a carabiner (snap link). The nylon harness is very comfortable, and allows the user to sit down and rest anytime. Nylon is less abrasion-resistant than leather, but is stronger and does not rot.

Tower climbers' traditional leather belts are obsolete by climbing/caving/vertical-rescue standards. It is important that the harness pass under the hips, forming a seat. An injured or unconscious person hanging by a waist belt has short life expectancy: The belt moves upward, constricts the chest, and may cause suffocation.

Safety devices for tower climbing which slide upward and lock are available but expensive, usually requiring that a track be permanently attached to the tower. I use 7/16" nylon "cave rope" and _Jumar_

Ascenders or variants: The Swiss-made Jumar clips securely onto the rope, and slides upward with little friction. A toothed cam grips the rope to prevent downward movement. In electrical terms, it is a rope rectifier. :-)

A pair of Jumars are normally used to climb rope; there are many configurations of ascenders and harnesses (see reference). The legs, which are much stronger than the arms, do the work of climbing. The climber can stop and rest at any time, hands free. An experienced person of average strength can climb 1000 feet of free-hanging rope in less than one hour.

For tower work, I like to climb the tower itself and use a Jumar safety on the rope (which is installed by pulling over a pully at the top of the tower by a permanently-installed nylon string). Another Jumar provides safety when hauling loads up the tower, so they can't fall if someone drops the rope.

You need a rope to pull up antennas, etc. when working on towers anyway, so may as well get a good one and use it for safety too. Do not trust your life to a rope not made especially for climbing (see reference).

Climbing back down a tower is work; it's easier, safer, faster and more fun to rappel down the rope. I use a "rappel rack" variable-friction device. A heavy object (or injured person) can be lowered from a tower very easily by using a fixed rappel device to control descent.

ALWAYS wear a (nonconductive) hard hat with chin strap when doing tower work, whether you are on the tower or providing ground support.

The abovementioned equipment and techniques work reliably in extremely nasty environments, in normal and rescue situations. Adapting them to tower-climbing is easy, but read about it first, and consult someone experienced: Subtle nuances like knots (*) are vital to safety.

(*) As recently mentioned in rec.ham-radio, the Boy Scouts no longer teach Morse code. Do they still teach knots? Most of the knots in the BS Handbook are utterly worthless and dangerous in the context of climbing.

Reference:

On Rope by Allen Padgett and Bruce Smith, Nat'l Speleological Society 1987, ISBN 0-9615093-2-5. [Cave Ave., Huntsville, AL. ph: 205 852-1300]

Mail-order source of vertical equipment (ropes, harnesses, etc.):

Bob & Bob
P.O. Box 441A
Lewisburg, West Virginia 24901

(304) 772-5049   (free catalog)

--

Frank Reid   W9MKV   NSS 9086   reid@ucs.indiana.edu
"Hams across the water, hams across the sky."
-- P. McCartney's DXpedition song

From -6149804767163041140
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fde24db339d4dc91
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 20:07:33 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: Extra exam matter and code
Message-ID: <43986@apple.Apple.COM>
Date: 15 Aug 90 16:27:36 GMT
References: <16915@ucsd.Edu> <18230029@hpfcdj.HP.COM> <11049@crdgw1.crd.ge.com>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 17
Posted: Wed Aug 15 17:27:36 1990

perley@galaxy (Donald P Perley) writes:

```
>Some people said I was bitching about the extra exam because I hadn't taken
>or passed it.  Now I can bitch from experience! I even know the secret
>handshake.                                                          ^^^^^^
 ^^^^^^^^^
```

It is no secret that one's hands shake when one takes Element 1c.
:-) :-) :-) Heck, I could barely form legible glyphs on paper!

Seriously, though, I agree with you about Element 4a; and congrats on becoming an Extra.

73,

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From -5375339374434881990
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,42e8c6bcb38748e5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 22:06:23 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!sdd.hp.com!decwrl!ucbvax!
CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio

Subject: VHF/UHF Weak Signal Subbands
Message-ID: <9008151818.AA07054@cmr.ncsl.nist.gov>
Date: 15 Aug 90 18:18:29 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 27
Posted: Wed Aug 15 19:18:29 1990

Todd Enders says, among other things:

> As far as protecting the weak signal portions of the bands from the communicators, remember, we have CW only subbands on most of the vhf/uhf bands. IF YOU DON'T LIKE PHONE OPS WORKING WEAK SIGNAL, STAY IN THE CW SUBBANDS!!! I seriously doubt that all that many communicators are going to be interested in weak signal anyhow. I think they'll be too busy yaking on a repeater or working packet to care much about us folk who dig the weak ones out of the noise (whether ssb or cw!!!)!

I know of no FCC-mandated CW-only portion of any UHF ham band.

MY concern, and that of some others, is that the no-code folks will be doing their FM yacking and packeting in the band segments now used for Weak Signal SSB, etc. (esp. 50.1-50.5 and 144.1-144.5). There is no FCC-promulgated word that gives a hint that FM rag-chewing is inappropriate in these portions of the bands. ARRL band-plans are generally a mystery to many experienced hams; there is no reason to expect that the newcomers will hear of them, or follow them.   Please read W3XO's comments on 90-55, which I posted last night.
W3XO does the "World Above 50 MHz" monthly column in QST.
I have not seen W1EJ's comments, but I understand that Tom is also asking for the FCC to establish NARROW-BAND-EMISSION subbands on vhf-and-up. W1EJ is on the ARRL VHF / UHF Advisory Committee (which does the band plans) and was its chairman last year (and not too happy with the ARRL hierarchy). My understanding is that W3XO and W1EJ do NOT intend that no-coders be restricted from these segments.

Bob W3OTC

From -6535495475166556458
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f41fdf4edbc4ff06,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 22:08:22 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!GTE.COM!rossjr%gtec3.dnet
From: rossjr%gtec3.dnet@GTE.COM (Charlie Ross, Jr.)
Newsgroups: rec.ham-radio
Subject: Typing Test
Message-ID: <9008151811.AA08414@bunny.gte.com>
Date: 15 Aug 90 18:11:46 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 37
Posted: Wed Aug 15 19:11:46 1990

Bob Myers, KC0EW, writes:

<<Say I'm a RTTY fanatic, and I'm fed up
with hunt-and-peck artists clogging up the airwaves, leaving no room for me
and my buddies to exchange 60 WPM QSOs. Now, using your reasoning, why
shouldn't I ask the FCC to require a typing proficiency test of all applicants?
After all, they'll have the privileges to operate RIGHT ALONGSIDE OF ME!!!
HORRORS!>>

Hear, hear!

I would add that a typing test is certainly more relevant to 1990
communicationsthan is manually-encoded, manually-decoded morse code.

The time has come for us to stop requiring proficiency in one mode. No-code
would not have made sense in 1950. It makes lots of sense today.

I would be indifferent towards adding a technically-qualified new ham who knew
code and a technically-qualified new ham who knew digital techniques. The
odds of our highly-popular yack-yack bands getting any more or less congested
would be the same in either case. But the odds of a new technological
development would be arguably better by letting in the digital person.

Attachment to morse code is fundamentally an emotional issue. Everyone has
a right to his or her opinions, and there's nothing wrong with human emotions.
But we should all admit to ourselves exactly why we believe the way we do.

Bottom line: everyone had a chance to comment by August 6 and try to
convince the Commission to see things his or her way. Now it's up to the
Commission to make a decision. I'll be glad when this is settled. (But I'll
bet that, if a no-code license is created, we'll still be hearing complaints
about it a quarter-century from now, just like incentive licensing... those
emotions sure last a long time!)

--Charlie
rossjr@gtec3.gte.com
charlie@nc1n.ampr.org
NC1N @ WA1PHY

From 8139087298773402700
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3e431beaf23dfdb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 22:58:53 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: Icom R1 and R100 specifications - Here they are!
Message-ID: <9008151942.AA21767@ucsd.edu>
Date: 15 Aug 90 19:41:51 GMT
Sender: daemon@ucbvax.BERKELEY.EDU

Organization: The Internet
Lines: 15
Posted: Wed Aug 15 20:41:51 1990

It looks to me as if the Germans want the R1 to be a ham-bands rig.
The French restriction just looks non-sensical to me.

Has anyone any information, anecdotal or otherwise, about carrying a
radio with "prohibited frequency coverage" while traveling.
For instance, apparently carrying my R1 in a car in NJ is illegal
(maybe just having it turned on in a car is illegal).
What about other places?
What about the issue of the appearance of the R1 (sure looks like a
HT to me), or other scanners?

I have an R1 on indefinite loan, and I think the user interface leaves
something to be desired. Maybe I'll get used to it.

73, doug

From -4551498152524429172
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75182ac734f6ec04
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 23:10:48 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Voodoo TV
Message-ID: <1262@ke4zv.UUCP>
Date: 15 Aug 90 16:21:32 GMT
References: <9008100012.AA04190@cmr.ncsl.nist.gov> <1256@ke4zv.UUCP>
<2875@anasaz.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 27
Posted: Wed Aug 15 17:21:32 1990

In article <2875@anasaz.UUCP> john@anasaz.UUCP (John Moore) writes:
>
>We aren't talking about using the TV spectrum for ham radios. We are
>talking about using it for public safety. The ENTIRE amateur spectrum
>below 1 GHz is about the same as the spectrum usage of ONE UHF TV station.
>

Well as I said in a previous post, if you want to change the discussion
from cramming broadcast TV into adjacent channels to dropping public
safety channels into the broadcast forbidden channels, then you will get
little argument from me. The additional interference to viewers would be
minimal except for those few who lived next to the police base stations.
I consider this a reasonable tradeoff. I do consider unreasonable causing
interference to thousands of viewers by placing broadcast TV signals on

adjacent channels. What has actually happened in LA is that the LA county sheriff's office has taken over TV channel 14 AND the FCC has declared NO new TV licenses will be granted on TV channels 15, 16, or 17 within 75 miles of LA county TO PROTECT THE SHERIFF'S DEPT. Since public safety radios are essentially the same radios as amateurs use, I mentioned the amateur coordination example. I feel the FCC's action was excessively conservative. Many broadcasters have become vehement about protecting their spectrum following this precedent setting action. This has become primarily a political problem rather than a technical one. If the FCC reverses itself, many broadcasters will once again be receptive to public safety dropins.

Gary KE4ZV

From 796221112795269991
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8f4114f4953cc37
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 23:43:39 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!haven!mimsy!fe2o3!michael
From: michael@fe2o3.UUCP (Michael Katzmann)
Newsgroups: rec.ham-radio
Subject: Re: extended receive vhf/uhf equipment confiscated?
Message-ID: <378@fe2o3.UUCP>
Date: 15 Aug 90 18:58:17 GMT
References: <5463@plains.UUCP> <1990Aug13.031817.634@csense.uucp>
Reply-To: michael@fe2o3.UUCP (Michael Katzmann)
Organization: Rusty's BSD machine at home
Lines: 39
Posted: Wed Aug 15 19:58:17 1990

In article <1990Aug13.031817.634@csense.uucp> bote@csense.uucp (John Boteler) writes:

>From article <5463@plains.UUCP>, by bezenek@plains.NoDak.edu (Todd M. Bezenek KO0N):
>> Today I heard a rumor that extended receive vhf/uhf amateur radio
>> equipment had been confiscated from the vehicles of radio amateurs
>> in the state of New Jersey. Does anyone know of this sort of activity?
>>
>>   I often wonder what a highway patrol officer would think of my
>> Kenwood TM-701 dual bander, but I really do not know what would happen
>> should one of those gentlemen take interest in it.
>
>I wouldn't advertise it, if you know what I mean, and I think you do :)
>

On that subject:

My house was burgled earlier on in the year, amongst other things stolen was my FT23 VHF handheld. I gave the serial number to the police and expected to hear nothing from them again.

About 6 weeks ago I got a call from the police to say that my radio had been recovered after a high speed persuit that led to the arrest of a bank robber. It appears that he was using the radio to listen to the

police frequencies. (I had pulled the strap to enable the extended frequency coverage.)
     Well, the FBI have my radio now, and it will be used as evidence in his trial. I was told that I might expect it back in about 8 months!

```
---------------------------------------------------------------------
email to
UUCP:       uunet!mimsy!{arinc,fe2o3}!vk2bea!michael
                              _ _ _                    _
     Amateur  |    VK2BEA   (Australia)      ' ) ) )      /           //
     Radio    |    G4NYV    (United Kingdom)  / / / o _. /_  __.  _  //
     Stations|    NV3Z  (United States)     / ' (_<_(__/ /_(_/|_</_</_
```

Michael Katzmann
Broadcast Sports Technology.
2135 Espey Ct. #4
Crofton Md. 21114 USA

Ph: +1 301 721 5151

From -6089554987230844036
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d1cbeb10f0340311,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 04:32:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcuhb!hpsqf!hpqtdla!jdg
From: jdg@hpqtdla.HP.COM (James Gentles)
Newsgroups: rec.ham-radio
Subject: Re: Good Walky-Talkies for hiking?
Message-ID: <3430009@hpqtdla.HP.COM>
Date: 16 Aug 90 11:32:39 GMT
References: <900@helens.Stanford.EDU>
Organization: HP, Queensferry Telecomms, Scotland
Lines: 33
Posted: Thu Aug 16 12:32:39 1990

>when hiking. The idea is that I like to go hiking, mountain climbing,
>and such but I tend to be a lot slower than the people I usually go

I am an experienced hill-walker and I teach and have always been taught that the most important aspect of hill walking is the concept of going in a group (unless your on your own:-). This group has a leader and EVERYONE STICKS TOGETHER unless a formal decision is made to split the group. Just letting someone fall behind is BAD LEADERSHIP.

>with. To make matters worse they usually are the ones that know where
>we're going. This has made for some very interesting and memorable

If your 'leader' knows you cannot navigate, he obviously cant have any consideration for YOUR safety if he is prepared to "loose you".

Your cheapest and most reliable solution is LEARN TO NAVIGATE
books should start about 10 dollars, and once learned it is a skill
that brings great satisfaction in its own right.

By all means carry HT's on the hill (I always do) but they are NOT
a substitute for good mountain practice and procedure.

James Gentles GM4WZP/P

```
---------------------------------------------------------------------
Opinions expressed are my own, and are not intended to be an official
              statement by Hewlett-Packard Company
---------------------------------------------------------------------
Name:         James Gentles   GM4WZP
Organization: Hewlett-Packard  Queensferry Telecomunications Division
Email:        jdg@hpqtdla.hpsqf.hp.com                         hp-sdd
Address:      Station Road, South Queensferry, West Lothian, Scotland
---------------------------------------------------------------------
```

From -2886588429287699699
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b021367685795a0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 05:35:25 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9008152108.AA03154@tilde>
Date: 15 Aug 90 21:08:04 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 86
Posted: Wed Aug 15 22:08:04 1990

From: TILDE::NEWS "USENET News System" 15-AUG-1990 10:27:58.23
To: info-hams-incoming
CC:
Subj:

Path: tilde.csc.ti.com!ti-csl!csc.ti.com!cs.utexas.edu!uunet!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Extra exam matter and code
Summary: maybe a new idea
Message-ID: <11049@crdgw1.crd.ge.com>
Date: 15 Aug 90 14:08:02 GMT
References: <16915@ucsd.Edu> <18230029@hpfcdj.HP.COM>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345

Lines: 67
In-reply-to: myers@hpfcdj.HP.COM (Bob Myers)

>>> OK, so CW is "relevant" if you're going to operate in the "weak signal
>>> portion of the band." Now please explain why it is "relevant" to GETTING
>>> A LICENSE in the first place.
>
>>It is OBVIOUSLY RELEVANT for any license that grants privelege to
>>operate in the weak signal portion of the band. Hence, my comments to
>>the FCC regarding their ill advised no-code license, in which I urge

One way to look at things is that if CW was tested as rigorously as the technical theory, there would be a few questions on the novice test like :

The name of a system that uses long and short signals to encode letters and numbers is:

a) Morse code
b) long-and-short (L&S) code
...

On the extra exam, you would get some questions like:

The morse translation for the letter Q is:
a) ._._.
...

It would of course be possible to miss all the CW questions and still pass the test.

New idea (I think):

Element 4b is broad but not very deep.   Face it, figuring out RC time constants isn't real deep stuff for the "cream of the crop" license grade.

I think it would be in keeping with the idea of incentive upgrades to have some broad test like 4b, plus an in depth specialty element. Communications theory, digital, microwave, TV.... Pick any one, but you have to know your stuff! 20 wpm code would be just one of the choices. To keep ITU etc happy, we can require a lower code speed for those who choose a technical specialty, or drop it for vhf and up.

This would put things in a little better perspective: that CW is important, but it is only one mode, along with TV, packet, phone, and all the others.

With some adaption, this plan could accomodate all those non-code hi-tech gurus we are supposed to be alianating.

Some people said I was bitching about the extra exam because I hadn't taken or passed it. Now I can bitch from experience! I even know the secret handshake.

Don Perley - ke2tp/ae

perley@trub.crd.ge.com

```
From -1761163892254141582
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,42e8c6bcb38748e5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 06:36:52 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!shelby!portia.stanford.edu!
jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: VHF/UHF Weak Signal Subbands
Message-ID: <1990Aug16.003036.10084@portia.Stanford.EDU>
Date: 16 Aug 90 00:30:36 GMT
References: <9008151818.AA07054@cmr.ncsl.nist.gov>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 12
Posted: Thu Aug 16 01:30:36 1990
```

In article <9008151818.AA07054@cmr.ncsl.nist.gov> rc@CMR.NCSL.NIST.GOV (Robert Carpenter) writes:

>MY concern, and that of some others, is that the no-code folks will be doing
>their FM yacking and packeting in the band segments now used for Weak Signal

Um, what is it about this magical talisman called CW that keeps them FM yackers away from those precious weak signal slivers? ;-)

Seriously, given the interest level in weak signal work, do you really need more than 50 KHz in any band?

```
-=Paul Flaherty, N9FZX/VK2WYX | "TEXAS! Has a USENET in it... (Lord have Mercy
->paulf@shasta.Stanford.EDU   | on us all!)" -- _The Best Little Net in Texas_
```

```
From 5351232659532393668
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 06:47:02 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: A New War?
Message-ID: <26639@usc.edu>
Date: 16 Aug 90 01:11:14 GMT
References: <43943@apple.Apple.COM> <26590@usc.edu> <5556@plains.NoDak.edu>
Sender: news@usc.edu
Organization: EE-Systems, USC, Los Angeles
Lines: 30
Posted: Thu Aug 16 02:11:14 1990
Nntp-Posting-Host: pollux.usc.edu

In article <5556@plains.NoDak.edu> enders@plains.NoDak.edu (WD0BCI) writes:

> As far as protecting the weak signal portions of the bands from the
> communicators, remember, we have CW only subbands on most of the vhf/uhf
> bands.

This is not true. We only have CW only subbands on 6m and 2m. In addition, they are totally ineffective at providing the kind of protection the weak signal operaters need. We need a few hundred kilohertz (on 2m) of guard space before there are any (relatively) wide-band signals like FM, because they raise the noise floor to unacceptably high levels. (Much more space is needed on the higher bands; the protected space needs to be allocated as a percentage of the operating frequency.) In addition, common practice is to use the calling frequency, +/- 100 kHz or so (depending upon crowding) for SSB _and_ CW. Also, pre-arranged contacts like meteor scatter are commonly arranged 200-300 kHz higher than the calling frequency. These people also need protection from the FM'ers. The _only_ time that the CW sidebands on 6m and 2m are used to any extent is when there is an auroral opening, and people like me are trying to get away from the _LIDS_ who refuse to use CW when it is absolutely required. The CW only subbands are not significantly used even during contests! This should not be construed to mean that CW is not used. CW is used extensively during contests, and indeed for most weak signal work. While we don't need CW only subbands on VHF and above, we need to make sure that all users of the weak signal portion of the bands are competent to use CW; 5 wpm does not constitute competence, but in my mind, 13 wpm is good enough.

--
Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

---

From -8607502613655308806
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5757e84f018f2a9f
X-Google-Attributes: gid10c9e3,public

```
X-Google-ArrivalTime: 1990-08-16 07:13:48 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR/KT)
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 Filing (yet again)
Message-ID: <1990Aug15.233200.2309@NCoast.ORG>
Date: 15 Aug 90 23:32:00 GMT
References: <P09&N&C@splut.conmicro.com> <1990Aug14.232432.21846@NCoast.ORG>
<43970@apple.Apple.COM>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR/KT)
Followup-To: rec.ham-radio
Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 28
Posted: Thu Aug 16 00:32:00 1990

As quoted from <43970@apple.Apple.COM> by chuq@Apple.COM (Spot the Wonder Dog):
+---------------
| allbery@NCoast.ORG (Brandon S. Allbery KB8JRR/KT) writes:
| >As quoted from <P09&N&C@splut.conmicro.com> by jay@splut.conmicro.com (Jay "you
ignorant splut!" Maynard):
| >+---------------
| >| larger contingent to be heard, for example, between 27.405 and 28 MHz
| >| bragging about how they could pass the theory test with one hand tied
| >| behind their backs, but how they won't bother to learn the code. I have
| >| no use for them.
| >+---------------
|
| >Neither have I --- but this says more about the weakness of the theory
| >examination than it does about the code.
|
| I'd say it says at least as much on how easy it is to brag. My bet is that
| if/when codeless Ham comes to happen, most of those braggarts will find some
| new excuse to not bother getting their ticket -- it's easy to talk.
+---------------

That also, Chuq, but it may say something that the only things I had to study
to pass Tech *and* General theory were the purely legal ones.  There just
plain isn't much "meat" on those exams.

++Brandon
--
Me: Brandon S. Allbery               VHF: KB8JRR/KT on 220 (soon others)
Internet: allbery@NCoast.ORG             Delphi: ALLBERY
uunet!usenet.ins.cwru.edu!ncoast!allbery    America OnLine: KB8JRR


From -3391504205249861332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,af0a88cd753af692,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 07:16:39 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!
zaphod.mps.ohio-state.edu!usc!pollux.usc.edu!kjh
```

From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: Gunn diodes: which way is up?
Keywords: gunn microwave gaas transit-time x-band
Message-ID: <26642@usc.edu>
Date: 16 Aug 90 01:35:39 GMT
References: <6307@aplcen.apl.jhu.edu> <26640@usc.edu>
Sender: news@usc.edu
Organization: EE-Systems, USC, Los Angeles
Lines: 24
Posted: Thu Aug 16 02:35:39 1990
Nntp-Posting-Host: pollux.usc.edu

>In article <6307@aplcen.apl.jhu.edu> @aplvax.jhuapl.edu:mjj@stda.jhuapl.edu
(Marshall Jose) writes:
>I became somewhat confused about Gunn diode polarity.

```
>
>                    _,--|_
>                   |_|  |_|
>                     `--|
>
```

>OK, so you can't tell from the package which end is anode (since no
>manufacturer seems willing to mark them). So how DOES one determine
>their polarity? I mean, besides the destructive method?

"Gunn Diodes" aren't diodes!!! There is no pn junction!!! It's just a
chunk of GaAs, doped, with metalized contacts on both ends. You can use
it in either direction.

Just increase the voltage slowly, and don't ever put the voltage above
10 V or so if you have it oscillating. Make sure it's in a proper
cavity, with a proper load. (Placing the "diode" 1/4 lambda from the
open end of a piece of waveguide, with the other end open, is good
enough. You will be radiating, but I was only talking about protecting
the "diode".)

--
Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From 1056984423715144239
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e15021f72d925ca
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 08:44:06 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Iridium Cellular Service
Message-ID: <1263@ke4zv.UUCP>
Date: 15 Aug 90 17:05:22 GMT
References: <631@entec.Wichita.NCR.COM> <1990Aug9.123238.4911@ameristar>
<287@ultrix.uhasun.hartford.edu> <208@bongo.UUCP>

Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 24
Posted: Wed Aug 15 18:05:22 1990

In article <208@bongo.UUCP> julian@bongo.UUCP (Julian Macassey) writes:
>Mr. Bloom,
>If you read my posting carefully you will see that I did not say
>emergency communication had been removed. I said education and training
>are part of international documents. Seeing as you want to put words in
>my mouth, I will add that I am not aware that emergency comms are
>mentioned in international docs. But you would know all that, because
>you have access to a library that my fees pay for.
>
>   While I have your attention, let me say that I do not appreciate your
>snide comments to me on an open forum. Also I am somewhat annoyed that
>I should have to put up with impertinence from someone who is an
>employee of an organisation that I support with my fees.
>
>disappointedly yours.
>--
>Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
>N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

Jeez Julian, lighten up. As snide and nasty as I am, I wouldn't attack
Jon like this. He is one of the few wan flickering lights at the end
of a long dark tunnel called the ARRL.

Gary KE4ZV

From -2579295751164875191
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,987bd88608fc8b7d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 08:49:23 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!ucsd!pacbell.com!pacbell!att!mcdchg!laidbak!obdient!igloo!ddsw1!indep1!tosspot!root
From: root@tosspot.UUCP (Rodney Q. Root, ESQ)
Newsgroups: rec.ham-radio
Subject: The people's satellites...
Message-ID: <1c5ZN2w162w@tosspot.UUCP>
Date: 16 Aug 90 15:49:23 GMT
Organization: My House
Lines: 31
Posted: Thu Aug 16 16:49:23 1990

An observation -

The people of AMSAT are doing a great job of producing amateur
satellites. Their ever increasing complexity and abilities (the
satellite's, that is) are wonderful.

What a pity it is that most amateurs outside North America (and a good proportion within NA) can't afford the expensive additional hardware to use them.

(No, I don't want anyone telling me how they built/bought a complete 430MHz-light all mode rig for $5.95 or an az/el rotor for zilch out of a erector set - I'm thinking of of two things - money is a problem for most of us and outside of the first world it can be hard to even find the components even if you are a genius engineer....)

Anyway, I guess that technology for technology's sake is a good thing, it's just a pity that ordinary hams with ordinary stations and income levels have to use the Russian satellites if they want to use satellites at all....

What're the odds that the first ever geosynchronous AMSAT will need oodles of bucks for the "who cares, it's a neat technical hack!" esoteric up and downlinks....?

Nothing like it - space communications for hams, provided they can afford it......

....Halon system at the ready.....

Lee   G8LCK

From -7048479307906685014
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2699ebdb5c41c918
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 10:05:58 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!shelby!neon!kaufman
From: kaufman@Neon.Stanford.EDU (Marc T. Kaufman)
Newsgroups: rec.ham-radio
Subject: Re: Tower climbing safety
Message-ID: <1990Aug16.011828.22230@Neon.Stanford.EDU>
Date: 16 Aug 90 01:18:28 GMT
References: <54534@iuvax.cs.indiana.edu>
Organization: Computer Science Department, Stanford University
Lines: 36
Posted: Thu Aug 16 02:18:28 1990

In article <54534@iuvax.cs.indiana.edu> commgrp@silver.ucs.indiana.edu (BACS Data Communications Group) writes:

I just took a Fire Department course on high-angle rescue, but I am *NOT* an experienced caver/climber/rappeler. Nonetheless, I have a couple of comments, based on the class.

>You need a rope to pull up antennas, etc. when working on towers
>anyway, so may as well get a good one and use it for safety too.

>Do not trust your life to a rope not made especially for climbing

We use 1/2" *Static* Kernmantle rope for rescue. Unlike mountain climbing rope, it does not stretch.

>Climbing back down a tower is work; it's easier, safer, faster and
>more fun to rappel down the rope. I use a "rappel rack" variable-
>friction device. A heavy object (or injured person) can be lowered
>from a tower very easily by using a fixed rappel device to control
>descent.

The "rappel rack" has the unfortunate property that it can come completely off the rope if mishandled. It is good for VERY long descents, but not optimal for reasonable descents by not-too-experienced folks. We used a "Figure 8" with ears for rescue work. It can't come off the rope.

The same comment (can come off the rope) applies to the Jummar ascender.
A Gibbs ascender is safer for the less experienced.

>The abovementioned equipment and techniques work reliably in extremely
>nasty environments, in normal and rescue situations. Adapting them to
>tower-climbing is easy, but read about it first, and consult someone
>experienced: Subtle nuances like knots (*) are vital to safety.

Yes, I was surprised to find that knots used with nylon rope are entirely different from knots used with manila rope.

Marc Kaufman (kaufman@Neon.stanford.edu)

From 6960197135604687103
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 10:57:10 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!cs.utexas.edu!usc!apple!rutgers!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Re: A New War?
Message-ID: <28539@netnews.upenn.edu>
Date: 16 Aug 90 03:22:15 GMT
References: <43943@apple.Apple.COM> <26590@usc.edu> <5556@plains.NoDak.edu> <26639@usc.edu>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 37
Posted: Thu Aug 16 04:22:15 1990

In article <26639@usc.edu> kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
>The _only_ time that the
>CW sidebands on 6m and 2m are used to any extent is when there is an

>auroral opening, and people like me are trying to get away from the
>_LIDS_ who refuse to use CW when it is absolutely required. The CW only
>subbands are not significantly used even during contests! This should
>not be construed to mean that CW is not used. CW is used extensively
>during contests, and indeed for most weak signal work. While we don't
>need CW only subbands on VHF and above, we need to make sure that all
>users of the weak signal portion of the bands are competent to use CW;
>5 wpm does not constitute competence, but in my mind, 13 wpm is good
>enough.
>Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

The way I see it, if you want to try to use phone during a weak auroral opening, that's your choice. I wouldn't consider somebody a lid because they prefer phone to code. I'm sure everyone agrees that code is a lot easier to decipher when aurora-ized as compared to phone. But I'm not sure I agree that using a mode that is not optimum for a particular band under particular conditions makes someone a poor operator. I have never been in a VHF contest here on the east coast where there is not enough room left for the CWers, even in the SSB subband. During auroral openings there is plenty of room for CW, even when mixed with those on SSB making normal tropo and LOS contacts.

I won't comment much on the code speed opinion. However, I'd much rather hear 10 WPM than 20 WPM during an auroral opening. It usually lasts long enough that the extra speed isn't necessary to complete the QSO and only makes tough copy even tougher.

--- Jeff

```
--
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
Jeff DePolo  N3HBZ             Twisted Pair: (215) 386-7199
depolo@eniac.seas.upenn.edu    RF: 146.685- 442.70+ 144.455s (Philadelphia)
University of Pennsylvania     Carrier Pigeon: 420 S. 42nd St. Phila PA 19104
```

From 6565231241131855338
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,77acd1226d965f3c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 12:29:00 PST
Path: gmdzi!unido!mcsun!sunic!tut!kannel!Heikki.Raussi
From: Heikki.Raussi@lut.fi (Heikki Raussi OH5LFI)
Newsgroups: rec.ham-radio
Subject: Alinco DJ-500
Message-ID: <HEIKKI.RAUSSI.90Aug16001429@kannel.lut.fi>
Date: 16 Aug 90 04:14:29 GMT
Sender: raussi@kannel.lut.fi
Distribution: rec
Organization: Lappeenranta University of Technology, Finland
Lines: 6
Posted: Thu Aug 16 05:14:29 1990

I bought the Alinco DJ-500 VHF/UHF Dual-Bander HT. Does anyone know
how to increase the Rx on the UHF or VHF ?

--
-- Heikki 'Hege' Raussi --   "Technology is the art of doing."
-- raussi@kannel.lut.fi --   H.B.

From 4832092268026783227
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e15021f72d925ca
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 12:32:45 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!pacbell.com!tandem!moe!kevinr
From: kevinr@moe.Tandem.COM (Kevin J. Rowett)
Newsgroups: rec.ham-radio
Subject: Re: Iridium Cellular Service
Message-ID: <1990Aug16.043352.10777@tandem.com>
Date: 16 Aug 90 04:33:52 GMT
References: <631@entec.Wichita.NCR.COM> <1990Aug9.123238.4911@ameristar> <287@ultrix.uhasun.hartford.edu> <208@bongo.UUCP> <1263@ke4zv.UUCP>
Sender: news@tandem.com
Reply-To: kevinr@Tandem.COM
Organization: Tandem Computers, Comm Development
Lines: 8
Posted: Thu Aug 16 05:33:52 1990

In article <1263@ke4zv.UUCP>, gary@ke4zv.UUCP (Gary Coffman) writes:
|> Jon like this. He is one of the few wan flickering lights at the end
|> of a long dark tunnel called the ARRL.

I'll second that! Good work Jon.

N6RCE

From -8108046448504091722
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,45f401a43a07e25c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 12:35:26 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!sdd.hp.com!hp-pcd!hpspkla!summers
From: summers@hpspkla.spk.hp.com (Jim B. Summers)
Newsgroups: rec.ham-radio
Subject: Re: Bearcat 250 scanner problem.
Message-ID: <4630015@hpspkla.spk.hp.com>
Date: 16 Aug 90 00:21:02 GMT
References: <5+%%5P^@rpi.edu>
Organization: Hewlett Packard Company, Spokane, Wa.
Lines: 20
Posted: Thu Aug 16 01:21:02 1990

My father has a Bearcat 250 scanner which has exhibited similar problems in the past. The main problem in his case has been the poor thermal design of the power supply regulators. TO-220 pass transistors are dissipating nearly 3 watts without any heatsinking what-so-ever. They get very hot!

It sounds like your problem may be an intermittant pass transistor. The pass transistors dissipate power as long as the scanner is plugged in. Unplugging the scanner would remove that power allowing the temperature to change and connection could be re-established.

The best thing to do would be to get it into the failed mode and measure the supply voltages. I don't have a schematic so I cannot give specific instructions as to where to measure.

If this turns out not to be your problem, while you are in there put some kind of heatsinks on the pass transistors. It could prevent future grief...

Jim Summers, KD7F

From -994641135590263822
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e15021f72d925ca
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 14:07:36 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!PUCC.PRINCETON.EDU!MEHARP01%ULKYVM
From: MEHARP01%ULKYVM@PUCC.PRINCETON.EDU (Michael Harpe)
Newsgroups: rec.ham-radio
Subject: Iridium Cellular Service
Message-ID: <9008161308.AA16258@ucsd.edu>
Date: 16 Aug 90 13:10:03 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: University of Louisville
Lines: 45
Posted: Thu Aug 16 14:10:03 1990

<Sorry about the repost, the first try of this got truncated before the list on the ArpaNet (Internet, whatever) side of things...>

Well, this certainly seems to address alot of of the issues surrounding cellular phone service. Kinda kills the objection about cells getting knocked out during natural disasters, doesn't it? As a friend of mine observed dryly, "if we have a natural disaster that makes it impossible to talk to an orbiting satellite, a 2 meter HT probably ain't gonna do much good either. We're talking serious atmospheric ionization here." :-).

Anyway...

In anticipation of the "it'll never work" discussion that I know (and the reader should know) is coming, I would like to present today's Top 10 List with apologies to Late Night with David Letterman....

From the Home Office in Scottsdale, Arizona....

Top 10 Reasons Why Hams Think Motorola's Iridium System Will Never Work...

10. Can't buy equipment from major Ham equipment manufacturers.
9. All those 900 numbers lead to undisciplined use of spectrum.
8. No allowance for use of CW in "high noise" environment.
7. Uses "evil" DSP techniques.
6. Not available in HeathKit version.
5. No exam required for upgrade.
4. Wrong numbers won't understand when you shout "CQ DX" at them.
3. I TOLD YOU this would happen when QST did away with "The World Above 900 MHz!"
2. It's yet another example of the "appliance operator" mentality.
1. Takes all the "challenge" out of global communications.

Flames to /dev/null please.

```
--------------------------------------------------------------------
Michael Harpe, N4PLE                 | BITNET: MEHARP01@ULKYVM
106B Ormsby Building                 | VOICE:  502-588-7785
University of Louisville             | FAX:    502-588-5048
Louisville, KY  40292                | AURAL:  "Mike!"
--------------------------------------------------------------------
"Sir, there is a large multi-legged creature crawling on your shoulder"
                                                  - Spock
```

From 1116539165243782663
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,355cb2c36439cdfa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 14:28:15 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!ucbvax!dgc.mceo.dg.com!Pete_Simpson
From: Pete_Simpson@dgc.mceo.dg.com
Newsgroups: rec.ham-radio
Subject: Marlon Brando's tower
Message-ID: <9008161230.AA00049@adam.DG.COM>
Date: 16 Aug 90 11:30:20 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: PZS@mercury.mceo.dg.com
Organization: The Internet
Lines: 16
Posted: Thu Aug 16 12:30:20 1990

CEO summary:
A while back in this newsgroup, there was a question as to whether

Marlon Brando was a ham and if so was he still active. The general consensus was that the answer to both questions was, "yes."

Last night, on the TV news, there was a bit about Marlon having to bail his son out of jail. Apparently, he put up his "5 million dollar estate" as collateral. At this point, they cut to a 3 second helicopter shot of the estate. It was quite easy to see what appeared to be about an 80 ft tower with a 3 element beam on top.
It's on top of a hill, too!

=================================

Peter Simpson, KA1AXY
Data General Corp M/S E132
Westboro, MA 01580
(508) 870-9837
Pete_Simpson@MERCURY.MCEO.DG.COM

From -5912957984188008155
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ddf7c92522eb30ff,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 14:31:46 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!hls.com!trop
From: trop@hls.com (Troy T. Pummill)
Newsgroups: rec.ham-radio
Subject: Marine Radios for Hiking
Message-ID: <9008161353.AA26888@hls.com>
Date: 16 Aug 90 13:53:58 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 23
Posted: Thu Aug 16 14:53:58 1990

Bob Witte is quite correct. You may not LEGALLY use a Marine VHF for land-only. Ship to ship and ship to shore are the intended uses. I believe that one could use Marine VHF for hiking and never get caught.

Handheld Marine VHF transceivers can be purchased for as little as $150 by looking in some marine catalogs. Those Radio Shack units can be had for as little as $175 if you look around (they are really REGENCY radios).

Another suggestion would be to use the belt clip (true) walkie-talkies that are sold by Radio Shack. I am told that they function quite well.

trop, N6XMV and WAC8900 (Marine)

```
-----------------------------------------------------------------------------
|  Troy T. Pummill, N6XMV   |  trop@hls.com                                 |
|  Sr. Technical Instructor |  ...uunet!{lanslide.hls.com,sytek}!trop       |
|  Hughes LAN Systems       |  1225 Charleston Rd., Silicon Gulch           |
|  Mountain View, CA        |  The preceding drivel is entirely my own!     |
-----------------------------------------------------------------------------
```

Invisible airwaves crackle with life, bright antenna bristles with the energy

Emotional feedback on timeless wavelength, bearing a gift beyond price....
Almost free.   "Spirit of Radio" - Rush

From -1289231399751591166
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b9f21da5ed108269,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 14:38:13 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!sdd.hp.com!decwrl!ucbvax!GTE.COM!rossjr%gtec3.dnet
From: rossjr%gtec3.dnet@GTE.COM (Charlie Ross, Jr.)
Newsgroups: rec.ham-radio
Subject: Comment period for 90-55
Message-ID: <9008161259.AA03628@bunny.gte.com>
Date: 16 Aug 90 12:58:59 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Thu Aug 16 13:58:59 1990

Patty Winter, N6BIS, writes:

<<Small clarification: we're now in the reply-comment period (till Sept. 7?).
So there's still time to give your opinions, only now they have to be in
response to the original comments instead of just anything off the top of
your head.>>

I didn't mention the reply period because (1) I doubt whether many hams will
take the effort that "our intrepid reporter" (KA9Q) has and actually *look*
at the comments that were filed, and (2) I didn't want to encourage folks to
send in comments that weren't valid replies (i.e. anything off the top of your
head.) The reply period is truly intended for that purpose--replying--though
it can sometimes get misused.

You're correct, though... and if people HAVE looked at others' comments
and feel they want to concur/nonconcur or simply discuss them further, then
by all means they should file replies!

--Charlie, NC1N
rossjr@gtec3.gte.com

From -595536240750330145
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3e431beaf23dfdb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 15:33:00 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!samsung!rex!rouge!pc!jpd
From: jpd@pc.usl.edu (Dugal James P.)
Newsgroups: rec.ham-radio
Subject: Re: Icom R1 and R100 specifications - Here they are!
Message-ID: <13199@rouge.usl.edu>

Date: 16 Aug 90 15:40:45 GMT
References: <9008151942.AA21767@ucsd.edu>
Sender: anon@rouge.usl.edu
Organization: Univ. of Southwestern La., Lafayette
Lines: 16
Posted: Thu Aug 16 16:40:45 1990
Originator: jpd@pc.usl.edu

In article <9008151942.AA21767@ucsd.edu> faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269) writes:
>It looks to me as if the Germans want the R1 to be a ham-bands rig.
>The French restriction just looks non-sensical to me.
>
I strongly suspect the 88-108 restriction in French models is to avoid an import duty. This band is used for wide-band FM bcsts as in the U.S.
The band below 87.5 contains the two-way business radios, etc.

Judging from comments made in Monitoring Times, Germans cannot legally listen to non-ham non-commercial bcsts. But I bet many do!

--
-- James Dugal,   N5KNX   Internet: jpd@usl.edu
Associate Director   Ham packet: n5knx@k5arh
Computing Center   US Mail: PO Box 42770 Lafayette, LA 70504
University of Southwestern LA.   Tel. 318-231-6417 U.S.A.

From -7193448093608210209
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ddf7c92522eb30ff
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 15:40:48 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: Marine Radios for Hiking
Message-ID: <7477@helios.TAMU.EDU>
Date: 16 Aug 90 15:47:35 GMT
References: <9008161353.AA26888@hls.com>
Sender: usenet@helios.TAMU.EDU
Organization: Computer Science Department, Texas A&M University
Lines: 14
Posted: Thu Aug 16 16:47:35 1990

In article <9008161353.AA26888@hls.com> trop@hls.com (Troy T. Pummill) writes:
>
>Bob Witte is quite correct. You may not LEGALLY use a Marine VHF for land-only.
>looking in some marine catalogs. Those Radio Shack units can be had for as
>little as $175 if you look around (they are really REGENCY radios).
>

And if your used to the IC2 class of radios and like ICOM, they make a marine radio in the same family. Look at any AES catalog. They have been carrying marine gear for quite some time now.

Of course, comment #1 above still applies!!

bill KB3YV

From -8362787180800433228
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,906277640da612de,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,906277640da612de,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-08-16 15:55:21 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Cellular on unmodified PRO-34???
Keywords: pro34
Message-ID: <3686@radio.oakhill.UUCP>
Date: 16 Aug 90 15:44:04 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 16
Xref: gmdzi rec.ham-radio:14027 rec.radio.shortwave:1864
Posted: Thu Aug 16 16:44:04 1990

I am hearing what appears to be cellular calls on my un-modified PRO-34. They appear in the middle 800 MHz band that the '34 allows you to receive. This is interesting since the 'excluded' bands of 870-890 is where cellular is supposed to be. Am I hearing another type of service? I hear all the beeps and squirts you normally associate with the audio band signalling of a cellular call-in-progress.

What other services besides cellular 'sound' like cellular and are located in the frequencies that the un-modified PRO-34 receives? I suppose this could be an image I am hearing. A friend of mine hears this on his '34 as well.

-Charlie
 WB4HVD

From -5269893577169932344
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1e6dcb56ec08199c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 18:21:07 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!rutgers!att!cbnewsm!ka1gt
From: ka1gt@cbnewsm.att.com (robert.m.atkins)
Newsgroups: rec.ham-radio
Subject: ARRL MICROWAVE HANDBOOK

Keywords: It's here at last
Message-ID: <1990Aug16.163644.26309@cbnewsm.att.com>
Date: 16 Aug 90 16:36:44 GMT
Organization: AT&T Bell Laboratories
Lines: 9
Posted: Thu Aug 16 17:36:44 1990

The long promised ARRL Microwave Handbook (I think its really called the UHF/Microwave Experimenter's Handbook or similar) is finally in print. I got my (author's) copy this morning. I havn't had a chance to read it in any detail yet, but on first glance it seems quite well done. It concentrates on basics rather than any detailed equipment design. That may come in a second volume, since I know that such designs were solicited (and submitted) when the project was started several years ago.

Bob Atkins KA1GT

From 1304333711072783047
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,352243a217669f2a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 18:54:36 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!HICKAM-EMH.AF.MIL!1843eie
From: 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE")
Newsgroups: rec.ham-radio
Subject: 90-55 Reply Comments (was something else)
Message-ID: <9008161844.AA00860@uunet.uu.net>
Date: 16 Aug 90 18:44:53 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 44
Posted: Thu Aug 16 19:44:53 1990
X-Unparsable-Date: 16 Aug 90 08:44:00 GMT-10:00

INTEROFFICE MEMORANDUM

Date: 16-Aug-1990 08:39am HST
From: 1843EIG/EIE
           1843EIE
Dept: 1843EIG/EIE
Tel No: 656-1158

TO: Remote Addressee   (_INFO-HAMS%UCSD.EDU@UUNET.UU.NET)

Subject: 90-55 Reply Comments (was something else)

>>
>>Bottom line: everyone had a chance to comment by August 6 and try to
>>convince the Commission to see things his or her way. Now it's up to the
>>Commission to make a decision.

>
>Small clarification: we're now in the reply-comment period (till Sept. 7?).
>So there's still time to give your opinions, only now they have to be in
>response to the original comments instead of just anything off the top of
>your head.
>

Last week I asked if anyone knew the format for doing this...no replies yet.
Is it the same as original, or do you have to reference someone else's
specific comments? Anyone?

>
>Our Intrepid Reporter, Phil Karn, should be surfacing from his trip to
>the DC area soon with another update on the comments received in this
>matter by the FCC.
>

That ought to be *real* interesting...I'm awaiting his reply with keyboard
warmed up and ready to roll :-)!

>
>Patty

73,
Jeff   WD6CQV/KH6 AFA8JM

From 7412017075239411838
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ddf7c92522eb30ff
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 20:11:05 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sun-barr!newstop!east!hienergy!jimv
From: jimv@hienergy.East.Sun.COM (Jim Vienneau - Sun Microsystems)
Newsgroups: rec.ham-radio
Subject: Re: Marine Radios for Hiking
Message-ID: <2420@east.East.Sun.COM>
Date: 16 Aug 90 19:11:02 GMT
References: <9008161353.AA26888@hls.com>
Sender: news@east.East.Sun.COM
Reply-To: jimv@east.sun.com (Jim Vienneau - Sun Microsystems)
Organization: Sun Microsystems, Billerica MA
Lines: 14
Posted: Thu Aug 16 20:11:02 1990

Troy T. Pummill, N6XMV writes:

>Bob Witte is quite correct. You may not LEGALLY use a Marine VHF for >land-only.Ship to ship and ship to shore are the intended uses. I believe that >one could
>use Marine VHF for hiking and never get caught.

Sure, any you can't LEGALLY use a 2 meter HT either, but you PROBABLY won't
get caught... This is irresponsible, Marine frequencies are for for MARINE
use, AMATEUR freguencies are for AMATEUR use. Using either without a license
or on land in the case of marine, is strictly illegal and can cause harmful
interference. Please use CB or get an amateur license.

Jim Vienneau, Sun Microsystems Inc - Billerica, MA
Email: jvienneau@east.sun.com   Amateur Radio: WB1B
Good old Ma Bell (well old anyway): (508)671-0372

From 167018986032830436
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,74c2a6ce2d7ed534,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 20:44:50 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!sulaco.enet.dec.com!judice
From: judice@sulaco.enet.dec.com ("Lou Judice, 908-562-4103 16-Aug-1990 1634")
Newsgroups: rec.ham-radio
Subject: re: No More Listening in on Cordless Phones in California
Message-ID: <9008162042.AA16403@decpa.pa.dec.com>
Date: 16 Aug 90 20:42:47 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Thu Aug 16 21:42:47 1990

Will Martin asks:

| It would be nice to know exactly what the legislation says,
| to see if the authors recognized any
| of these facts and worded the bill to exempt such items.

I bet not!

Californians: before you end up like New Jersey, with a ridiculous law
like this on the books (ours covers receiving government transmissions
in vehicles), I suggest you start writing your state legislators!

```
Louis J. Judice             | "We have seen the future and it
Digital Equipment Corp.     |  looks like Piscataway, NJ"
Piscataway, NJ              |
908.562.4103           |    - Frank Popper, Geographer,
judice@sulaco.enet.dec.com  |      NYT Magazine 6/24/90
```

From -5884931232431561121
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,42e8c6bcb38748e5
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-08-16 20:47:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: VHF/UHF Weak Signal Subbands
Message-ID: <1265@ke4zv.UUCP>
Date: 16 Aug 90 09:12:49 GMT
References: <9008151818.AA07054@cmr.ncsl.nist.gov>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 43
Posted: Thu Aug 16 10:12:49 1990

In article <9008151818.AA07054@cmr.ncsl.nist.gov> rc@CMR.NCSL.NIST.GOV (Robert Carpenter) writes:
>Todd Enders says, among other things:
>>   As far as protecting the weak signal portions of the bands from the
>> communicators, remember, we have CW only subbands on most of the vhf/uhf
>> bands. IF YOU DON'T LIKE PHONE OPS WORKING WEAK SIGNAL, STAY IN THE CW
>> SUBBANDS!!! I seriously doubt that all that many communicators are going to
>> be interested in weak signal anyhow. I think they'll be too busy yaking on a
>> repeater or working packet to care much about us folk who dig the weak ones
>> out of the noise (whether ssb or cw!!!)!
>
>I know of no FCC-mandated CW-only portion of any UHF ham band.
>
>MY concern, and that of some others, is that the no-code folks will be doing
>their FM yacking and packeting in the band segments now used for Weak Signal
>SSB, etc. (esp. 50.1-50.5 and 144.1-144.5). There is no FCC-promulgated word
>that gives a hint that FM rag-chewing is inappropriate in these portions of
>the bands. ARRL band-plans are generally a mystery to many experienced hams;
>there is no reason to expect that the newcomers will hear of them, or follow
>them.   Please read W3XO's comments on 90-55, which I posted last night.
>W3XO does the "World Above 50 MHz" monthly column in QST.
>I have not seen W1EJ's comments, but I understand that Tom is also asking for
>the FCC to establish NARROW-BAND-EMISSION subbands on vhf-and-up. W1EJ is
>on the ARRL VHF / UHF Advisory Committee (which does the band plans) and was
>its chairman last year (and not too happy with the ARRL hierarchy). My
>understanding is that W3XO and W1EJ do NOT intend that no-coders be
>restricted from these segments.
>
>Bob W3OTC

I have had to ask, politely, a couple of Extra Class FM ragchewers to move out of the satellite subband to allow me to copy DOVE. Yes they were rag chewing on 145.825, a frequency they said they had been using for years. Of course, since DOVE uses FM, I guess you think it should move out of the satellite subband too. The bandplan is voluntary now, of course, but the FCC officially recognizes 145.8-146.0 as a satellite subband so Extra Class amateurs with their superior CW skills should have known better. In fact, like most amateurs, these two Extras were gentlemen and allowed me to copy DOVE then asked about amateur satellites.

We gained two more satellite enthusiasts that day. I think that keeping the bandplans voluntary is in keeping with our spirit of self regulation. In this one case it exposed two old timers to a new mode.

Gary KE4ZV

From 3727625987360254176
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75182ac734f6ec04
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 21:09:28 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!ncar!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Voodoo TV
Message-ID: <2894@anasaz.UUCP>
Date: 16 Aug 90 15:52:22 GMT
References: <9008100012.AA04190@cmr.ncsl.nist.gov> <1256@ke4zv.UUCP>
<2875@anasaz.UUCP> <1262@ke4zv.UUCP>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 22
Posted: Thu Aug 16 16:52:22 1990

In article <1262@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
]In article <2875@anasaz.UUCP> john@anasaz.UUCP (John Moore) writes:
]>
]>We aren't talking about using the TV spectrum for ham radios. We are
]>talking about using it for public safety. The ENTIRE amateur spectrum
]>below 1 GHz is about the same as the spectrum usage of ONE UHF TV station.
]>
]
]Well as I said in a previous post, if you want to change the discussion
]from cramming broadcast TV into adjacent channels to dropping public
]safety channels into the broadcast forbidden channels, then you will get
]little argument from me. The additional interference to viewers would be

But Gary, that's what we've been talking about all along! We are simply saying that a lot of UHF TV spectrum is wasted, and that it should be used for public safety and other land mobile uses, rather than taking ham frequencies for the same.
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From 8077915918258475724
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ddf7c92522eb30ff
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-08-16 21:09:32 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!umich!mailrus!ncar!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Marine Radios for Hiking
Message-ID: <2895@anasaz.UUCP>
Date: 16 Aug 90 15:58:56 GMT
References: <9008161353.AA26888@hls.com>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 13
Posted: Thu Aug 16 16:58:56 1990

In article <9008161353.AA26888@hls.com> trop@hls.com (Troy T. Pummill) writes:
]
]Bob Witte is quite correct. You may not LEGALLY use a Marine VHF for land-only.
]Ship to ship and ship to shore are the intended uses. I believe that one could
]use Marine VHF for hiking and never get caught.
Our local FCC is quite adept at catching illegal marine band users, and take
great pleasure in handing out $750 to $1500 fines. They frequently
monitor marine band (out here in the middle of the desert!).
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From 716195287002970l626
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a4040acdca60a9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 21:10:27 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!sdd.hp.com!zaphod.mps.ohio-state.edu!wuarchive!udel!princeton!twg.com!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: Zepp Antenna Design
Message-ID: <7768@gollum.twg.com>
Date: 16 Aug 90 21:11:55 GMT
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: TWG, Inc., Palo Alto, CA
Lines: 12
Posted: Thu Aug 16 22:11:55 1990

I am getting ready to put up a large double extended Zepp antenna (IF I can
find any 12 ga. copperclad and IF I can find somebody crazy enough to go up
the giant redwood that will be one of the supports). I have a span of
approximately 300 feet to use, and the feedpoint will be about 175 feet
above ground level. This will be used mainly for 160 and 80 meter DXing,
though it could be used on the higher bands. My question is whether to fill

as much of the span with wire as I can or whether to cut the wire to be
resonant on the 160 meter DX slot. I remember seeing an article somewhere
recently on using a 160 meter loop on the higher bands, but nothing about
a Zepp. Does anybody on the net have any experience with this, or know of
a reference?

AA6KX

From -4393711995878518 96
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8f4114f4953cc37
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 21:24:32 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ogicse!plains!bezenek
From: bezenek@plains.NoDak.edu (Todd M. Bezenek KO0N)
Newsgroups: rec.ham-radio
Subject: Re: extended receive vhf/uhf equipment confiscated?
Message-ID: <5576@plains.NoDak.edu>
Date: 16 Aug 90 21:08:32 GMT
References: <5463@plains.UUCP> <1990Aug13.031817.634@csense.uucp>
Organization: North Dakota State University, Fargo
Lines: 48
Posted: Thu Aug 16 22:08:32 1990

In article <1990Aug13.031817.634@csense.uucp> bote@csense.uucp (John Boteler)
writes:
>From article <5463@plains.UUCP>, by bezenek@plains.NoDak.edu (Todd M. Bezenek
KO0N):
>>...
>>   I often wonder what a highway patrol officer would think of my
>> Kenwood TM-701 dual bander, but I really do not know what would happen
>> should one of those gentlemen take interest in it.
>
>I wouldn't advertise it, if you know what I mean, and I think you do :)
>... (Story about HP and en extended receive radio deleted.)
>I replied that they were for the fire department in my home town.
>He perked up "OH! You're with the fire department, OK! Bye!"
>
>No problem!
>
>--
>John Boteler   bote@csense.uucp   {uunet | ka3ovk}!media!csense!bote
>NCN NudesLine: 703-241-BARE -- VOICE only, Touch-Tone(TM) signalling

Well, I certainly know what you mean about "not advertising", but I
guess that I have a story...

When I said that I wondered what would happen (above) I was
talking about a state that I am not familiar with. In Minnesota,
hams are exempt from "scanner laws".

I was parked in a popular summer town talking to a couple of
other people between our respective parked cars. I was interested

in finding out what the local law enforcement people were doing, so
I put my '701 on band scan. I was waiting for it to find something
when a sheriff's car pulled up to see what we were drinking (pop
of course). :-)

Well, while he was parked next to me he ran the plates on
both cars and guess what? Yup, my scanner finally stopped and
HIS RADIO FED BACK THROUGH IT! I just walked over and turned it
off and that was the end of that.

I guess that the only thing that I have to say about this is
that Minn. luckily is not one of the states in question, and I
hope that my actions did not damage amateur radio's standing.

-Todd

```
--
Todd Michael Bezenek                  Internet:  bezenek@plains.nodak.edu
Amateur Radio Station KO0N            UUCP:      uunet!plains!bezenek
                                      Bitnet:    bezenek@plains
                                                 NU040889@ndsuvm1
Welcome to North Dakota.  Home of the "more expensive worse education."
```

From -3893515864433715519
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,90826500b35bbe54,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 22:46:43 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Comment period for 90-55 (Was: Re: Typing Test)
Message-ID: <61.26CAD0E9@w8grt.fidonet.org>
Date: 16 Aug 90 21:09:02 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 20
Posted: Thu Aug 16 22:09:02 1990

> From: winter@Apple.COM (Patty Winter)
> Date: 15 Aug 90 19:47:23 GMT
> Organization: Apple Computer Inc, Cupertino, CA
> Message-ID: <44000@apple.Apple.COM>
> Newsgroups: rec.ham-radio
>
> Small clarification: we're now in the reply-comment period (till Sept.
> 7?).

Correct date.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |      _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"


From 4514151454286142435
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cf87423772c2b60e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 22:51:30 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ogicse!plains!bezenek@plains.NoDak.edu
From: bezenek@plains.NoDak.edu (Todd M. Bezenek KO0N)
Newsgroups: rec.ham-radio
Subject: I lost the mail site for callbook requests
Message-ID: <5579@plains.NoDak.edu>
Date: 16 Aug 90 22:33:01 GMT
Organization: North Dakota State University, Fargo
Lines: 12
Posted: Thu Aug 16 23:33:01 1990

I cannot believe that I did, but I lost the site to which callbook
look-up requests can be sent.  Could someone please send this info?

Thank you,

Todd
--
Todd Michael Bezenek                 Internet:  bezenek@plains.nodak.edu
Amateur Radio Station KO0N           UUCP:      uunet!plains!bezenek
                                     Bitnet:    bezenek@plains
                                                NU040889@ndsuvm1
Welcome to North Dakota.  Home of the "more expensive worse education."


From -2468041090458057357
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-16 23:58:03 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!
zaphod.mps.ohio-state.edu!swrinde!cs.utexas.edu!csc.ti.com!ti-csl!m2.csc.ti.com!
tilde.csc.ti.com!osage!hoenig
From: hoenig@osage.csc.ti.com (Mike Hoenig)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Keywords: EMP
Message-ID: <1990Aug16.145428.27798@csc.ti.com>
Date: 16 Aug 90 14:54:28 GMT
References: <14117@shlump.nac.dec.com> <30500651@ux1.cso.uiuc.edu>
<16831@ucsd.Edu> <312@adept.UUCP> <1990Aug8.190108.20257@csc.ti.com>
```

```
<1137@ke4zv.UUCP>
Sender: usenet@csc.ti.com (USENET News System)
Organization: TI Computer Science Center, Dallas
Lines: 26
Posted: Thu Aug 16 15:54:28 1990
```

Well, first off:

> Thanks to those of you trying to point out that CW proficiency is not required following the "big one". An AM transmitter is a bit more difficult to construct than a spark-gap transmitter, right? The same rusty bolt that can detect AM can detect CW, right?
>
> No, I'm not foolish enough (as some of you seem to think) to believe the ORIGINAL requirement for CW proficiency was EMP. You sure know how to twist others' words to your benefits, don't you? The discussion is the CURRENT relevancy of CW.
>
> We are still practicing a HOBBY, and for that reason as well as the emergency communications aspect, CW is relevant.
>
> I don't enjoy working CW, but I'm adult enough and intelligent enough to see the need to maintain the CW requirement for specific PORTIONS of our spectra. C'mon guys, don't attack ANY mode, simply due to your OWN prejudices against them. I never will; I know better.

de N5LTL
PERSONALLY responsible for my inability to
copy 20wpm Morse code, and PROUD OF IT!

```
From 5449884308256622197
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b1a6cb541b39c99f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-17 00:19:23 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!glacier!gaus
From: gaus@glacier.crd.ge.com (Rick Gaus)
Newsgroups: rec.ham-radio
Subject: Comments on various current issues
Message-ID: <11128@crdgw1.crd.ge.com>
Date: 17 Aug 90 00:47:08 GMT
Sender: news@crdgw1.crd.ge.com
Reply-To: gaus@islandgirl.crd.ge.com (Rick Gaus)
Lines: 226
Posted: Fri Aug 17 01:47:08 1990
```

After scanning through the news for several weeks, I have found several topics of interest to me, and I would like to offer my comments on them, which I believe are constructive additions to the various discussions.

As a matter of introduction, I am a 38-year old extra class amateur radio operator licensed since 1967. I am a 100% CW operator whose interests encompass simple and economical antennas for Hf, propagation, traffic handling, DXing in connection with the study of antennas and propagation, and taking the time to discuss any topic of interest with another ham.

Here are the issues of interest to me and my comments:

1. Reasons for keeping CW.

    a. Its relatively small bandwidth makes good use of the limited amateur spectrum, thus enabling many QSOs to take place over a given frequency range. This feature is something that will become increasingly a factor in the near future as demands are made not only from within amateur radio but from without for more frequency spectrum.

    b. A message has a better chance of getting through under conditions of weak signal, interference, or noise.

    c. International communication is straightforward and simple with predefined Q signals and other accepted amateur abbreviations.

    d. Its simplicity enables any amateur, who is assumed to have a fundamental knowledge of the art and science of radio communication, to signal in the event of emergency when this most basic form of communication is required. The most appropriate instances are when one is isolated during an accident or natural unnatural disaster and other means of communication either do not work for reasons of equipment failure or because of inadequate signal levels at the receiver.

    e. CW is a skill that is achieved through the expense of effort. My personal belief is that something is appreciated more if one works toward a goal and achieves it as a result of his own ability and work. Something has little value if it is given outright with no corresponding expense of energy on the part of the recipient. In the present case, that something is the privilege to operate an amateur radio station.

    f. CW is a continuation of a form of communication that originated more than one hundred years ago, if not sooner. Today, it not only is still a proven fundamental means of communication, but it is an art form and a skill to achieve and to improve upon. It provides the user the opportunity to set several goals for desired levels of proficiency.

    g. CW permits one to have a conversation with another at a speed which is comfortable to the operator, and as a result, permits the operator to organize his thoughts so that a coherent and continuous exchange can take place. That is, there can be less pauses than are found in voice communication.

Vertical antennas.

I use two vertical antennnas at my station. One of them is the old and famous Gotham Vertical. When I ordered this antenna around 1973, I ended up paying more in truck freight charges for it than the antenna itself. The antenna is just two aluminum tubes, each one about 12 feet in length, and one put inside the other for about six inches or so and secured with a screwable clamp. I have mine mounted on a ten-foot 2X4, using PCV pipe cutouts as insulators, and supported with three nylon chords from top of 2X4 to three ground stakes. The antenna, therefore, is ground mounted, and I use sixteen radials going outward from the base. The antenna is tuned with a home made tuner for 20, 15, and 10 meters. I have contacted 162 countries with this antenna using 100 watts output. In my opinion and experience with the purchased Gotham Vertical, it is simpler to build such an antenna than to buy one. I suspect that some money will be saved in the process, but a greater gain is what one learns through the effort and, as always, the satisfaction of having done something with one's hands.

I also use a vertical helix antenna that is more experimental than the above mentioned monopole. It is operated in the normal mode. Refer to Antennas by John Kraus for this type. I constructed mine out of three lengths of PVC tubing and then stretched a toy slinky down its length, with the PVC tubing inside the slinky. I still use radials and my tuner described above. I use this antenna on 80 and 40 meters. I haven't been using this antenna for very long, but its performance seems adequate. I want to see how it performs in the winter time. I would be happy to give details of it to anyone who is interested.

Kenwood TS-940s

I use a Kenwood TS-940s. There are two fans on it. One of them pulls air across the heatsink for the regulators. The other one is used in the final amplifier section. The final amp fan never comes on for me, because of my CW operation. The voltage regulator fan does come on, and it cycles on and off, which appears normal. I followed the manual's instructions and lubricated the fan after six months, and have had no disagreeable noise.

I did have a problem with the unit just before the warranty expired. I noticed instability in the received CW signals and in WWV when listening to the carrier in CW mode. Also, the power supply area seemed to be hot all the time. Sometimes the frequency display would go out completely, and I would have to open up the chassis and hit the reset button. I sent the unit back to the dealer for repair, and upon return found that the problem was apparently in the need to resolder an area of the PLL board. Since receiving the repaired unit, I have had no problems with it.

Ham Radio Dealer

In connection with the comment above, my dealer was R and L Electronics of Hamilton, Ohio. They were courteous and handled my needs promptly. I was entirely satisfied with the repair that they made to my TS-940s.

QSL Responses.

I do mostly DXing these days, but do some local contacts as well. I send out a QSL card to each new contact I make, and reply to any QSL card that I have not otherwise acted on.

I keep a list of what cards I send out to the ARRL QSL bureau and to individual hams overseas or to local QSL managers. The US managers have responded to me almost 100 percent. Foreign amateurs respond better than 80 percent.

On each request for a DX QSL card I write a small note thanking the amateur for the QSO and saying that I would appreciate his card for whatever reason I am making the request.

On stateside non-DX QSL cards, I send by U. S. mail at 15 cents per card and request a card by checking the PSE QSL box. I don't feel that I am placing an undue burden on anyone by not furnishing return postage. If I don't get a card back, that's all right with me.

DX Pileups and the DXCC award.

> My own rule of operation is: listen, listen, listen. Be courteous. Be patient. Work toward the goal with reason. Let the other guy have a chance.
>
> I call a DX station if there are few enough amateurs calling that I think I have a chance of being heard. On heavy pileups, I don't bother. In such cases, I believe it would be wise for many operators to voluntarily back off.
>
> Some DX stations can organize the QSO by calling stations by number, i.e. NR 1, NR 2, etc. When that happens, I believe we should listen to his directions. Also, some DX stations say to call him

up 1 kHz or so, but some operators miss that direction and call on the DX station's frequency. Again, listen, listen, listen.

The DXCC award certainly is a measure of one's accomplishment in operating in amateur radio, but its value should be a reflection of quality operating and courtesy on the part of those who achieve it.

Overall view of amateur radio.

It is funny that in reading the news articles of several amateurs, that some things seem to remain the same: the discussions of the applicability of CW and other modes of communication, the status of particular classes of licensees, the perceived importance of the kind of call sign one uses, the mystery of electromagnetic radiation and its application, the threats to amateur radio from within and from outside. These issues, among many others, are not new to amateur radio, because I was exposed to them when I started, and I suspect that older amateurs share a similar point of view with respect to their memories of the past.

We should not lose sight of what amateur radio is about, however. In its most basic terms amateur radio is for experimentation, education, public service, international good will, and, certainly not the least, amateur radio is for fun. We have something which contains so much value and so much potential for good for others. I believe it is something we should treasure and preserve. I feel we can best do that by treating others with respect, courtesy, calmness, and reason. There are certainly abuses within amateur radio and issues of use of spectrum by outside interests. These issues can be met in an organized way and dealt with. If, however, the amateur community as a whole cares little about its integrity, it will ultimately be splintered, and its effectiveness as a constructive resource for the community will be lost.

I have had many QSOs in my amateur radio experience, and from this I believe that most amateurs are good operators and care about their avocation. There certainly is hope for amateur radio, and that hope comes from the majority of amateurs who support the fundamental principles of amateur radio.

73,

Rick Gaus
WA3INC

P. S. If anyone would like to discuss any of the topics further with me, or anything else, I'm on CW most evenings on 80, 40, or 20 meters depending on propagation conditions. Look on 3.500

to 3.525, 3.677, 7.000 to 7.025, and 14.000 to 14.025 MHz. I spend most of my time listening for DX so you may not hear me. Call me on frequency or make a sked through email or better yet, send me a message through the National Traffic System the old CW way.

Disclaimer: The above opinions concerning amateur radio are my own and do not reflect in any way the position of the company for which I work.

From -5349074454319044167
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7eddedf8876c8c91,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-17 02:04:30 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!ucsd!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: 88 mh toroids
Message-ID: <1250215@hpnmdla.HP.COM>
Date: 16 Aug 90 21:07:28 GMT
References: <5548@quanta.eng.ohio-state.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 4
Posted: Thu Aug 16 22:07:28 1990

Look in the ham ad section of QST. Jesse Bieberman W3??? used to sell them thru the ham ads. I think he still does.

Al N1AL

From 250734961836558182
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5757e84f018f2a9f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 13:29:39 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!apple!chuq
From: chuq@Apple.COM (Spot the Wonder Dog)
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 Filing (yet again)
Message-ID: <43944@apple.Apple.COM>
Date: 14 Aug 90 05:11:04 GMT
References: <30500679@ux1.cso.uiuc.edu> <SD9&DS_@splut.conmicro.com> <43908@apple.Apple.COM> <645@philica.ica.philips.nl>
Organization: Third man from the Rhino, the Jungle Cruise
Lines: 19
Posted: Tue Aug 14 06:11:04 1990

geertj@philica.ica.philips.nl (Geert Jan de Groot) writes:

>So, maybe this inspires you how it can be done. From a European look, the
>American code/no-code discussion looks kind of silly.
>I hope these figures prove why.

>73 Geert Jan, PE1HZG

Thank you! One more question, if you don't mind. Do you know what % of the general poplace is involved in Amateur there? It'd be fascinating to compare how many per thousand are amateurs there with over here.

--
Chuq Von Rospach   <+>   chuq@apple.com   <+>   [This is myself speaking]

It's a small world, after all!
It's a small world, after all!
It's a small world, after all!
It's a small, small world!

From 4356935460375468391
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5757e84f018f2a9f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 13:36:32 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!wuarchive!zaphod.mps.ohio-state.edu!rpi!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 Filing (yet again)
Message-ID: <289@ultrix.uhasun.hartford.edu>
Date: 14 Aug 90 06:43:34 GMT
References: <30500679@ux1.cso.uiuc.edu> <SD9&DS_@splut.conmicro.com>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 18
Posted: Tue Aug 14 07:43:34 1990

In article <SD9&DS_@splut.conmicro.com>, jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard) writes:
> been properly sold on the whole hobby. I seriously doubt that either one
> of us will change the other's mind. Unfortunately, the FCC is on your
> side, and will ignore anything I have to say on the subject. I didn't
> even bother sending in comments on the NPRM, since they'd just be
> ignored.

That's a cop-out, Jay. It also assumes that the FCC is unwilling to listen to public comment. While that has been unfortunately true on some occasions (read: 220-222 MHz), throwing your hands up in the air and saying, "they won't listen anyway" isn't the answer. Of course, now when the FCC comes up with a no-code license you can tell everybody, "I told you so."

--
Jon Bloom, KE3Z | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu |
Snail: 225 Main St., Newington, CT 06111 | "I have no opinions."

From -3817771680736231304
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2af9bbc0de071f26
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 13:36:42 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!rpi!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Signal One Corperation Address ???
Summary: They exist
Message-ID: <290@ultrix.uhasun.hartford.edu>
Date: 14 Aug 90 06:48:59 GMT
References: <9008120732.AA16199@ucsd.edu> <2853@wyse.wyse.com>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 25
Posted: Tue Aug 14 07:48:59 1990

In article <2853@wyse.wyse.com>, stevew@wyse.wyse.com (Steve Wilson x2580 dept303) writes:
>
> I'm pretty sure that Signal One has been out of business for something
> like 10 years. There are a couple folks who service the rigs but the
> original company is no longer around. If I remember correctly they
> produced to rigs..the CX-7, then the CX-11.   I'd guess the CX-11 was
> introduced somewhere around 1977. The rig was quite an innovation for
> its time, and so was the price tag...it has that in common with the
> IC781 too ;-)

As of a year or so ago they were in existance, located in the Southwest. (Arizona, I think.) The fellow running the place is, I believe, one of the original principals. (I'm not at work and don't have the name in the internal memory bank.)

The reason I know this is that they upgraded a Milspec 1080C radio that was donated to ARRL, putting in the latest microprocessor control. Apparently they are selling these radios to automated RTTY (SITOR?) stations. Signal One has software that allows remote control of these stations using IBM PCs.

--
Jon Bloom, KE3Z | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu |
Snail: 225 Main St., Newington, CT 06111 | "I have no opinions."

```
From 8867079518729733406
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fd80dc536325fd5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 13:54:11 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: lead-acid charging from automobile electrical system
Message-ID: <7880248@hpfcdc.HP.COM>
Date: 14 Aug 90 20:54:11 GMT
References: <FAUNT.90Aug12194446@dustbin.cisco.com>
Organization: HP Fort Collins, Co.
Lines: 51
Posted: Tue Aug 14 21:54:11 1990
```

> ...maintain a charge on a gel-cell from an automotive electrical system.
> ...hook up a low-voltage-drop voltage regulator IC in constant-current
> mode...

There's a simpler way that works for me. Whatever your personal standard 12V power connector system is (*), build a unit like this:

```
         hot   source
         ______________| |_______________
     sink-------------------------------sink
         ground
```

Plug your car (source) into one sink, your gel cell (other source) into the other sink, and a portable light (sink) into the source. Use an appropriate light. For instance, WalMart sells a magnetic stick-on 12V light for under $3 that's about the right resistance.

The light bulb is a variable resistor that limits maximum current flow a to safe level. At low current flow it's a low value resistor. The difference in voltage between the auto (when running!) and the gel cell is enough to push charging current into the gel cell, just like the car battery. Disconnect when the car is off, just in case the gel cell is higher voltage.

The light bulb is also a nice visual indicator of current flow.

(*) Every ham should have a personal standard 12V connector system. For years I built various doodads without thinking of consistency. When I got licensed my ham friends turned me on to the idea. I put some thought into it and decided to be compatible with one of them. We use 6-pin 0.093" Molex connectors, available from Radio Shack and other places. Not cheap, about $1.40 each, but they provide added pins for audio, etc. if needed.

Having standard, keyed connectors means you can't accidentally mis-plug anything -- except through a weird cable like the one above. Here are examples of my 12V sources and sinks:

sources:
 auto female cigarette lighters
 auto direct-wired fused connectors
 gel cell
 12v plug-in supply

sinks:
 HT
 10m rig
 VCR record unit (also has a built in gel-cell charger)
 portable lights
 auto vacuum
 cassette player

From -7920663062558479607
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,635cfe8d32a59272,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 14:33:49 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.UUCP (Aloysius Burpington-Smythe)
Newsgroups: rec.ham-radio
Subject: elderly hams
Message-ID: <35886@ut-emx.UUCP>
Date: 14 Aug 90 05:18:52 GMT
Organization: The University of Texas at Austin, Austin, Texas
Lines: 37
Posted: Tue Aug 14 06:18:52 1990

pescatore_jt%ncsd.dnet@GTE.COM posted something headed:

>>Subject: Low SNR Code Debate: K5ZC is in the numerator

I think you meant to say denominator? - kids these days just don't
know any mathematics! - or perhaps it was meant as a compliment.

He also says:

>>I think it is a lot more fun talking to a 16 year old who is at
>>a high school station than to a 85 year old at a retirement home.

This is an unfeeling sort of thing to say. When you reach 85, and
the only fun left to you is your ham rig, you might enjoy QSOs with
middle-aged gents. There are a lot of old farts on the air, for sure,
but there are also some middle-aged ones and some objectionable young
hams as well. I've heard guys in their mid-70s who can still send
CW (you should pardon the expression) at respectable (30+ wpm) speeds,
and I'd rather have a QSO with one of them than with some kid who can
only send at 10 wpm.

While I understand the concern about the lack of young blood, you have to remember that hamming is one of those hobbies that you can continue well beyond retirement, yeah, even into a retirement home, unlike water-skiing, drag racing, pole-vaulting and so on.   I expect there is even an increase in most people's hamming when they reach retirement age.

I should admit that this comes from someone who resigned from the ex-G club on the grounds of not being ill enough to be a typical member, thereby provoking violent mail from one of the elderly patrons...

Derek Wills (AA5BT, G3NMX) - [middle-aged fart]
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From 6495125133945238687
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,825e27e5be81218d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 15:05:21 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!rpi!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Low SNR Code Debate: K5ZC is in the numerator
Message-ID: <288@ultrix.uhasun.hartford.edu>
Date: 14 Aug 90 06:24:29 GMT
References: <9008131213.AA28790@bunny.gte.com>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 20
Posted: Tue Aug 14 07:24:29 1990

In article <9008131213.AA28790@bunny.gte.com>, pescatore_jt%ncsd.dnet@GTE.COM writes:

> hams. KE3Z, if you do circulate any of these missives around HQ, I'm afraid
> the ARRL in particular will forget about the long term problem during the

Just so you know, I _don't_ normally distribute this stuff. Occasionally I'll pass along something of interest to a particular individual who might find it useful. That happens maybe once a week. I don't make this stuff generally available at HQ because 1) the benefit wouldn't be proportional to the effort, and 2) not my job, mon. If HQ ever gets a LAN, I'll make news available there, but printing it out or passing disks around is too big a hassle.

So, if you folks thought that your brilliant postings, which contain clear solutions to all of Amateur Radio's problems, were being avidly read by the ARRL power structure, it ain't so. Sorry!

```
--
Jon Bloom, KE3Z                               | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu          |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

```
From -6917043915134574649
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5757e84f018f2a9f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 15:23:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!lavaca.uh.edu!
uhnix1!moray!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 Filing (yet again)
Message-ID: <P09&N&C@splut.conmicro.com>
Date: 14 Aug 90 06:32:56 GMT
References: <30500679@ux1.cso.uiuc.edu> <SD9&DS_@splut.conmicro.com>
<43908@apple.Apple.COM>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 39
Posted: Tue Aug 14 07:32:56 1990
```

In article <43908@apple.Apple.COM> chuq@Apple.COM (Spot the Wonder Dog) writes:
>jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard) writes:
>>This is the fundamental impasse. You claim that your buddy won't get
>>into ham radio because of the code requirement; I see it as he hasn't
>>been properly sold on the whole hobby.
>Let's take another example. Me. I've been proslytized by some of the best.
[...]
>Write me off if you want, Jay -- but I'm the kind of person Amateur radio
>should be trying to attract. It HAS tried to attract me multiple times and
>it's come close. But it's also successfully convinced me to spend my time
>and money and energy elsewhere because of all the hassles and the problems
>and the attitudes.

I read your message with pain and sadness. I don't know any way to tell you that your experience at the hands of a few selfish individuals is not representative of the ham radio I know and love, and that has given me as much as, if not more than, I have put into it, since your experience obviously differs from mine.

I have great respect for your level-headedness, and your contributions to Usenet are legendary (a few malcontents notwithstanding). I think you'd be a valuable asset to ham radio, and would get a great deal of enjoyment out of it.

My comments aren't directed at the minority of potential hams that have been turned off by the code requirement in your class, but the much larger contingent to be heard, for example, between 27.405 and 28 MHz bragging about how they could pass the theory test with one hand tied

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behind their backs, but how they won't bother to learn the code. I have
no use for them.

Please don't assume that I feel the same way about you that I do about
them.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
"It's a hardware bug!" "It's a      +---------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_


From 2203645761720338234
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 15:29:19 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: DSP (was: Qualification-based licensing)
Message-ID: <7421@helios.TAMU.EDU>
Date: 14 Aug 90 12:25:46 GMT
References: <14117@shlump.nac.dec.com> <18230026@hpfcdj.HP.COM> <993@ssc.UUCP>
Sender: usenet@helios.TAMU.EDU
Organization: Computer Science Department, Texas A&M University
Lines: 18
Posted: Tue Aug 14 13:25:46 1990

In article <993@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>In article <18230026@hpfcdj.HP.COM>, myers@hpfcdj.HP.COM (Bob Myers) writes:
>>
>> OK, so CW is "relevant" if you're going to operate in the "weak signal
>> portion of the band."  Now please explain why it is "relevant" to GETTING
>> A LICENSE in the first place.  RTTY,
>
>
>Because it's ON THE TEST!!!
>

Now there's some real logic.

Why do we test CW??    Because it's relevant!!

Why is CW relevant??    Because it's on the test!!

bill   KB3YV


From 4879193533696203860
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,313f69958ed2879b
```

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 15:29:39 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpda!hpcupt1!hprnd!hprpcd!!stan
From: stan@hprpcd.HP.COM (Stan Witherspoon)
Newsgroups: rec.ham-radio
Subject: Re: InstantTrack V0.85c
Message-ID: <15780006@hprpcd.HP.COM>
Date: 14 Aug 90 22:29:39 GMT
References: <26c4cc40-494rec.ham-radio@vpnet.chi.il.us>
Organization: HP, Systems Technology Div., Roseville, Ca.
Lines: 24
Posted: Tue Aug 14 23:29:39 1990

InstantTrack is not a public domain program!! It is copyrighted by Franklin Antonio and is available from AMSAT-NA, a non profit organization devoted to designing, launching, and using satellites for Amateur radio. Version 0.85 was a test version. V1.00 includes more features and the ability to control antenna rotators to track the satellites. AMSAT is asking for a $50 donation in return for the latest version of InstantTrack. If you like InstantTrack, I reccommend getting the update. AMSAT also has an monthly newsletter that has more detailed info on the amateur satellites and how and what they are used for.

AMSAT-NA's address is

AMSAT-NA at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062

```
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
~  Stan Witherspoon            ~      Disclaimer      ~
~  Systems Technology Division ~~~~~~~~~~~~~~~~~~~~~~~~
~  Hewlett Packard Company     ~ These are my         ~
~  8010 Foothills Blvd.        ~ personal opinions    ~
~  Roseville Ca. 95678         ~ and do not represent ~
~  Phone: (916) 785-5071       ~ the views of anyone  ~
~  RF: N6SCE                   ~ or anything else     ~
~  Email: ucbvax!hplabs!hprpcd!stan                   ~
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
```

From -8622313565740930411
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4cccec812e92af1d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 15:59:17 PST
Path: gmdzi!unido!mcsun!uunet!midway!ux1.cso.uiuc.edu!brutus.cs.uiuc.edu!
wuarchive!usc!ucsd!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: Percent Hams in Dutch Population
Message-ID: <9008141050.AA00541@cmr.ncsl.nist.gov>
Date: 14 Aug 90 10:50:45 GMT
Sender: daemon@ucbvax.BERKELEY.EDU

Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 40
Posted: Tue Aug 14 11:50:45 1990

Regarding portion of Netherlands population who hold ham licenses, I hereby reproduce a table from my filing on PR 90-55.
Hope it helps.   Bob W3OTC

Sorted by Amateurs per Capita   Sorted by Density of Stations

Amateurs per Thousand Population	Country or State	Country or State	Amateur Stations /sq mi	Total Population /sq mi
12.*	Japan	Japan	6.5*	844
2.4	California	New Jersey	1.667	985
2.0	Indiana	Netherlands	1.111	931
1.9	Denmark	Great Britain	0.714	601
1.9	New Zealand	West Germany	0.667	626
1.8	USA (50 states)	Denmark	0.625	305
1.8	New Jersey	Belgium	0.417	840
1.5	Sweden	California	0.416	174
1.4	Norway	Indiana	0.294	153
1.3	Australia	Spain	0.200	204
1.2	Netherlands	Italy	0.167	493
1.2	Great Britain	USA (50 states)	0.125	68
1.2	Mississippi	Sweden	0.071	48
1.0	West Germany	France	0.062	252
1.0	Canada	Mississippi	0.062	55
0.96	Argentina	New Zealand	0.062	32
0.93	Spain	Norway	0.045	33
0.49	Belgium	Argentina	0.035	30
0.32	Italy	Australia	0.006	5
0.25	France	Canada	0.006	6

Table 1 - International Amateur Data

* Since Japanese operator licenses never expire, this number is a count of all licenses issued, not a count of currently-active amateurs. For example the 1990 International Call Book lists 34,344 Japanese amateurs, a far cry from the claimed "one million". About 80% are no-code licensees who can operate all modes, 10 W, all bands except 10 and 14 MHz. Japanese amateurs and this factor is reflected in these computations.

From 1636845829425238545
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f9c396cddf332493,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 16:16:14 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!ucsd!

ucbvax!SACEMNET.AF.MIL!lwrclmr
From: lwrclmr@SACEMNET.AF.MIL ("LWRCLMR")
Newsgroups: rec.ham-radio
Subject: ATTENTION COUNTY HUNTERS
Message-ID: <9008141257.AA12559@ucsd.edu>
Date: 14 Aug 90 12:57:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 23
Posted: Tue Aug 14 13:57:00 1990

COUNTY HUNTERS:

I hope this type of posting is OK and within the ethics of county hunting.
I live in the Upper Penninsula of Michigan (da YooPee) and I have discovered
county hunting. What fun.

I have found few folks up here intersted in county hunting or activly providing
these counties. I will be more than happy to make schedules for most of the
counties in the U.P. 20 and 40 meters are best for me, but I will try anything
on HF.
The central counties of Marquette, Delta, Alger, Schoolcraft, and Dickenson are
real easy to get to (I live in Marquette), the others need a little more
planning. Evenings and weekends of course are the best.

Please send me e-mail with your requests, no need to clutter the net with
important ham stuff and detract from the constant drivel of no-code and whether
or not you can use your radio on an airplane.

73,
Michael, WA7SKG

LWRCLMR@SACEMNET.AF.MIL
scxc3@TINCAN.SAWYER.AF.MIL

From -6920743517179584478
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5757e84f018f2a9f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 16:24:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR/KT)
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 Filing (yet again)
Message-ID: <1990Aug14.232432.21846@NCoast.ORG>
Date: 14 Aug 90 23:24:32 GMT
References: <SD9&DS_@splut.conmicro.com> <43908@apple.Apple.COM>
<P09&N&C@splut.conmicro.com>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR/KT)
Followup-To: rec.ham-radio
Organization: North Coast Public Access *NIX, Cleveland, OH

Lines: 18
Posted: Wed Aug 15 00:24:32 1990

As quoted from <P09&N&C@splut.conmicro.com> by jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard):
+---------------
| larger contingent to be heard, for example, between 27.405 and 28 MHz
| bragging about how they could pass the theory test with one hand tied
| behind their backs, but how they won't bother to learn the code. I have
| no use for them.
+---------------

Neither have I --- but this says more about the weakness of the theory examination than it does about the code. (And the kind of "study guides" I've seen out there don't help. I think I've bought my last Gordon West study guide; I'd rather learn something.)

++Brandon
--
Me: Brandon S. Allbery   VHF: KB8JRR/KT on 220 (soon others)
Internet: allbery@NCoast.ORG   Delphi: ALLBERY
uunet!usenet.ins.cwru.edu!ncoast!allbery   America OnLine: KB8JRR

From 4008015288942987644
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e611cef97a739f8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 16:27:37 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!select.enet.dec.com!magid
From: magid@select.enet.dec.com (Joel Magid...)
Newsgroups: rec.ham-radio
Subject: What have you done to help the hobby?
Message-ID: <14568@shlump.nac.dec.com>
Date: 14 Aug 90 13:10:52 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 34
Posted: Tue Aug 14 14:10:52 1990

With all the debate over code .vs. no-code and all of the hassles here regarding "our other problems" I must ask the following questions of all who participate in this conference.

What have you done for the hobby lately ?

How many of you have encouraged others to join in the fun, AND have help them by way of your experiences ?

In addition, how many of your responses to 90-55 where as thorough as the one written by Phil Karn? (whether or not you agree or disagree with what Phil had to say)

It is true that incentive licensing has been a failure, but what has to be done to correct it. The FCC is downsizing its staff and from a recent visit/discussion with them it looks like without any valid input we may see the following as a result of 90-55.

Communicator Class -----	ALL Privs above 30Mhz	NO CODE
Novice Class	Current Privs	CODE 5 WPM
NEW CLASS	ALL Privs	CODE 5 WPM

ALL Tech,General, Advanced and Extra would become this NEW CLASS

The above only because of (in the opinion of the FCC) it would reduce the burden on their system. The person I spoke to said that the only changes that would be acceptable to them are ones that would save them money and people. Yes they care, but are really budget constrained.

We can discuss and argue all of these points as we have been doing or we can do something to help everyone enjoy the hobby.

From -3438901250509353441
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,69bdf53ff941fff6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 17:05:03 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!hplabs!hpl-opus!hpccc!hpcc01!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Re: Good Walky-Talkies for hiking?
Message-ID: <27080002@col.hp.com>
Date: 15 Aug 90 00:05:03 GMT
References: <900@helens.Stanford.EDU>
Organization: HP Colorado Springs Division
Lines: 22
Posted: Wed Aug 15 01:05:03 1990

>   Radio Shack also sells a "5 watt portable marine band 2 way radio"
>that requires an FCC license (although getting the license just involves
>filling out a form). This costs $250 apiece, which is beyond what I'd
>want to spend.
>
>   Does anybody have a recommendation for what I should buy? What
>are the advantages / disadvantages between "marine band" and "CB band"
>walky-talkies? (Other than the marine band one seems to cost twice as much
>at Radio Shack at least.) Anybody in the Bay Area have a used walky-talkie
>they'd like to sell even though it works well?

Unless you are on a boat, using the marine band radio is illegal.

```
  (There may be an exception or two, but I don't think hiking applies.)


--------------------------------------------------------------------
Bob Witte               HP Colorado Springs Division
bobw@col.hp.com         P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO  80901
Radio: KB0CY
"All Disclaimers Apply."
--------------------------------------------------------------------



From -8971143706560845332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e5828437963dfe4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 17:37:54 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!zaphod.mps.ohio-state.edu!usc!
apple!rutgers!mcnc!unccvax!cs00jmc
From: cs00jmc@unccvax.uncc.edu (John Covington WN4BBJ)
Newsgroups: rec.ham-radio
Subject: Re: Should I become a ham now or wait?
Message-ID: <2618@unccvax.uncc.edu>
Date: 15 Aug 90 00:37:54 GMT
References: <1990Jul25.140643.25493@chinet.chi.il.us> <7880229@hpfcdc.HP.COM>
<477@wicat.UUCP> <1102@lupine.NCD.COM>
Reply-To: cs00jmc@unccvax.UUCP (John Covington WN4BBJ)
Organization: University of North Carolina at Charlotte
Lines: 14
Posted: Wed Aug 15 01:37:54 1990

In article <1102@lupine.NCD.COM> phil@hansen.Berkeley.EDU (Phil Graham) writes:
>    - When I am playing with radios, I AM NOT doing the following:
>         - Drinking
>         - Running around with the guys


I bet you don't ever operate contests, do you?  :-)



--
John Covington WN4BBJ     Internet: cs00jmc@unccvax.uncc.edu
P.O. Box 217122           MCI Mail: JCOVINGTON 342-6957
Charlotte, NC 28221-7122  Packet Radio Mail: WN4BBJ @ W4BFB.NC.USA.NA
(704) 537-7653            "Kenneth, what's the frequency?" "I dunno, ask Dan"


From 1161698485446480425
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,74a937d6ed65ae47,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 17:43:55 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!
```

```
select.enet.dec.com!magid
From: magid@select.enet.dec.com (Joel Magid...)
Newsgroups: rec.ham-radio
Subject: It's Survey Time
Message-ID: <14576@shlump.nac.dec.com>
Date: 14 Aug 90 14:49:10 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 17
Posted: Tue Aug 14 15:49:10 1990




     OK! its survey time, and I need some real data for my work.

     I would like to know how many people in this newsgroup actually
     hold CSCE's for higher grade licenses but have the code that is
     holding them back OR who hold CSCE's for a higher grade license
     but have the theory holding them back.


     1. Current License held if any ?

     2. CSCE held element(s) ?

     Please respond  via e-mail not as a reply to this note.
     I a few weeks I will publish the results.


From -3093919875101635005
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,81fab1af71d77152,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 17:44:00 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!lvipl.csc.ti.com!eichler
From: eichler@lvipl.csc.ti.com (JIM EICHLER 462-4072)
Newsgroups: rec.ham-radio
Subject: SUBSCRIBE INFO-HAMS
Message-ID: <9008141447.AA10327@tilde>
Date: 14 Aug 90 14:47:47 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1
Posted: Tue Aug 14 15:47:47 1990

SUBSCRIBE INFO-HAMS


From 4527412770100593984
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,825e27e5be81218d
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1990-08-14 17:44:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: Low SNR Code Debate: K5ZC is in the numerator
Message-ID: <7422@helios.TAMU.EDU>
Date: 14 Aug 90 12:47:24 GMT
References: <9008131213.AA28790@bunny.gte.com>
Sender: usenet@helios.TAMU.EDU
Organization: Computer Science Department, Texas A&M University
Lines: 12
Posted: Tue Aug 14 13:47:24 1990

In article <9008131213.AA28790@bunny.gte.com> pescatore_jt%ncsd.dnet@GTE.COM
writes:
>Hey, you guys (generic, non-sexual term) out there who work at game companies:
>how about a Dr. DX NINTENDO game? My son could learn CW in two days if he had
>to learn a character to get extra lives in each level of Super Mario Bros 3.

This is one of the best ideas I have heard yet. Is the guy who wrote DR. DX
still around?? If it was available for the NINTENDO, I would run out now and
buy it. Of course, my daughter would then have to fight me for use of the
NINTENDO. :-) :-)
Seriously, is the author around anywhere???

bill KB3YV

From -28991329923196532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5757e84f018f2a9f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 17:45:55 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!lavaca.uh.edu!
uhnix1!moray!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 Filing (yet again)
Message-ID: <P_0&DSD@splut.conmicro.com>
Date: 14 Aug 90 11:53:28 GMT
References: <30500679@ux1.cso.uiuc.edu> <SD9&DS_@splut.conmicro.com>
<289@ultrix.uhasun.hartford.edu>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 34
Posted: Tue Aug 14 12:53:28 1990

In article <289@ultrix.uhasun.hartford.edu> jbloom@uhasun.hartford.edu (Jon Bloom)
writes:
>In article <SD9&DS_@splut.conmicro.com>, jay@splut.conmicro.com (Jay "you
ignorant splut!" Maynard) writes:
>> I didn't even bother sending in comments on the NPRM, since they'd just be

```
>> ignored.
>That's a cop-out, Jay.  It also assumes that the FCC is unwilling to
>listen to public comment.  While that has been unfortunately true on
>some occasions (read: 220-222 MHz), throwing your hands up in the air
>and saying, "they won't listen anyway" isn't the answer.  Of course,
>now when the FCC comes up with a no-code license you can tell everybody,
>"I told you so."

I gave long thought to whether or not I was going to file comments
before making my decision not to. The FCC has indeed lately been
unwilling to listen to public comments that oppose a particular course
of action - witness the 220 grab. I have no reason to believe that any
individual's comments - no matter what they said or how well they were
written (and, from Phil's description, I could most likely do better
than most of the comments opposing a no-code license) - would materially
affect the Commission's opinion. I decided not to invest mountains of
effort in beating my head against a wall.

That does, of course, lead me to wonder what the hell I've been doing
here for the past year or so...between pointing out the realities oof
frequency coordination, and being one of a few pointing out the myriad
problems associated with lowering the standards of admission to ham
radio, I suspect that I don't get listened to very much anyway. *sigh*

Maybe I'll quit beating my head against this particular wall, too.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
"It's a hardware bug!" "It's a      +----------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_


From -1577867250203704620
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,621183598ff6adfa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 17:52:18 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!usc!apple!voder!
pyramid!infmx!randall
From: randall@infmx.UUCP (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: V31BB
Keywords: V31BB, Jim, rumor
Message-ID: <4989@infmx.UUCP>
Date: 14 Aug 90 01:42:57 GMT
References: <1064@tsdiag.ccur.com> <994@ssc.UUCP>
Reply-To: randall@infmx.UUCP (Randall Rhea)
Organization: Informix, Menlo Park, Ca. U.S.A.
Lines: 7
Posted: Tue Aug 14 02:42:57 1990

When did V31BB become a silent key?  I heard him about 6 weeks ago.  Perhaps
```

this was the guy from Georgia. He talked a lot about how bad MFJ equipment
was. He also said bad things about the ARRL. For a few weeks last May, he
was the only guy I could hear on 10 meters.

By the way, is MFJ equipment really thay bad?

From -3314256457579015247
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5757e84f018f2a9f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 17:54:28 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!apple!chuq
From: chuq@Apple.COM (Spot the Wonder Dog)
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 Filing (yet again)
Message-ID: <43970@apple.Apple.COM>
Date: 15 Aug 90 00:54:28 GMT
References: <SD9&DS_@splut.conmicro.com> <43908@apple.Apple.COM>
<P09&N&C@splut.conmicro.com> <1990Aug14.232432.21846@NCoast.ORG>
Organization: Third man from the Rhino, the Jungle Cruise
Lines: 23
Posted: Wed Aug 15 01:54:28 1990

allbery@NCoast.ORG (Brandon S. Allbery KB8JRR/KT) writes:
>As quoted from <P09&N&C@splut.conmicro.com> by jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard):
>+---------------
>| larger contingent to be heard, for example, between 27.405 and 28 MHz
>| bragging about how they could pass the theory test with one hand tied
>| behind their backs, but how they won't bother to learn the code. I have
>| no use for them.
>+---------------

>Neither have I --- but this says more about the weakness of the theory
>examination than it does about the code.

I'd say it says at least as much on how easy it is to brag. My bet is that
if/when codeless Ham comes to happen, most of those braggarts will find some
new excuse to not bother getting their ticket -- it's easy to talk.

--
Chuq Von Rospach   <+>   chuq@apple.com   <+>   [This is myself speaking]

It's a small world, after all!
It's a small world, after all!
It's a small world, after all!
It's a small, small world!

From 3096828002026890928
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,dce1787c81cdcb40,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,dce1787c81cdcb40,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-08-14 18:46:24 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!pacbell.com!pacbell!att!
cbnewse!parnass
From: parnass@cbnewse.att.com (Bob Parnass, AJ9S)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: PERSIAN GULF ON USB
Summary: air base at Insulic, Turkey
Message-ID: <1990Aug15.014624.8577@cbnewse.att.com>
Date: 15 Aug 90 01:46:24 GMT
References: <9008141752.AA29062@ucsd.edu>
Followup-To: rec.radio.shortwave
Organization: AT&T Bell Laboratories, Naperville, IL
Lines: 12
Xref: gmdzi rec.ham-radio:13980 rec.radio.shortwave:1851
Posted: Wed Aug 15 02:46:24 1990
```

In article <9008141752.AA29062@ucsd.edu>, RAFI@BGUVMS.BITNET (Bruner Rafi) writes:

> YOU CAN LISTEN INN ON SOME OF THE US FORCES ACTIVITY IN SAUDI ARABIA
> ON 13.214 MHZ. INTERESTING.
>
> EARL 4Z4TJ

There's been lots of MAC flights to listen to on 11.176 MHz.
That frequency, along with 6.738 and 13.214 MHz are used by the US
air base at Insulic, Turkey.

```
--
============================================================================
Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihlpy!parnass (708)979-5414
```

```
From 6018743249157550618
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,313f69958ed2879b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 18:52:02 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!udel!
princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: InstantTrack V0.85c
Message-ID: <757@idacrd.UUCP>
Date: 14 Aug 90 16:48:20 GMT
References: <26c4cc40-494rec.ham-radio@vpnet.chi.il.us>
Organization: idacrd, princeton, nj
Lines: 19
Posted: Tue Aug 14 17:48:20 1990
```

From article <26c4cc40-494rec.ham-radio@vpnet.chi.il.us>, by johns@vpnet.chi.il.us (John R. Scherer):

> I have been playing arround wint InstantTrack V0.85 for several weeks now and
> I think this program is tops for a PD program..

John:

I don't know where you got this program but is most certainly >> NOT <<
PD. It is copyrighted by Franklin Antonio, N6NKF, and is distributed ONLY
by AMSAT-NA. AMSAT's address is P.O. Box 27. Washington, D.C. 20044.

Bob
N4HY

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From -7456460523742797678
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d97f5071f1eb81c6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 18:56:36 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!hls.com!trop
From: trop@hls.com (Troy T. Pummill)
Newsgroups: rec.ham-radio
Subject: 10-codes and others!
Message-ID: <9008141903.AA14517@hls.com>
Date: 14 Aug 90 19:03:03 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 37
Posted: Tue Aug 14 20:03:03 1990

In as far as 10-codes go, I too have found MANY variations. Just in my
commute, I pass through 5 or 6 cities and 2 counties. Each may have
its own different set of codes.

In searching for answers in the jumble of codes, I have found an EXCELLENT
reference (especially for metropolitan areas). The book 'MONITOR AMERICA'
has proven to be a FIRST CLASS aid in targeting frequencies of local/state
agencies AND many PRIVATE agencies and also provides codes used in many
areas. The book covers all states in general and most metro areas.

Monitor America was published in a 85-86 edition and was never updated due to
the time and money it took to publish the book and the relatively low volume
of units sold. Even with its age, I don't know what I would do without it!
It is published by SMB Publishing and is available at almost every store
that deals in scanners.

As for California, many departments use Penal Codes and Vehicle codes for dispatch. A Vehicle Code book is avaiable from the Department of Motor Vehicles for $3.00 (a good buy in today's world). Also included in the DMV Vehicle Code book are the Penal Codes!

If anyone has any questions about codes used in the Monterey or SF Bay Areas, please feel free to mail me.

trop

```
-----------------------------------------------------------------------------
|  Troy T. Pummill, N6XMV   |  trop@hls.com                                 |
|  Sr. Technical Instructor |  ...uunet!{lanslide.hls.com,sytek}!trop   |
|  Hughes LAN Systems       |  1225 Charleston Rd., Silicon Gulch       |
|  Mountain View, CA        |  The preceding drivel is entirely my own! |
-----------------------------------------------------------------------------
Invisible airwaves crackle with life, bright antenna bristles with the energy
Emotional feedback on timeless wavelength, bearing a gift beyond price....
Almost free.             "Spirit of Radio" - Rush
```

From -6828026804325410617
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,993041f30be3c41b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,993041f30be3c41b
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-08-14 19:34:31 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!olivea!orc!inews!cadev6!dbraun
From: dbraun@cadev6.intel.com (Doug Braun ~)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Icom R1 and R100 specifications - Here they are!
Message-ID: <2758@inews.intel.com>
Date: 15 Aug 90 02:34:31 GMT
References: <KPT.90Aug7165419@dirty.doc.ic.ac.uk>
Sender: news@inews.intel.com
Reply-To: dbraun@cadev6.UUCP (Doug Braun ~)
Organization: Microprocessor Component Group, Intel Corp., Santa Clara, CA
Lines: 35
Xref: gmdzi rec.ham-radio:13986 rec.radio.shortwave:1854
Posted: Wed Aug 15 03:34:31 1990

In article <KPT.90Aug7165419@dirty.doc.ic.ac.uk> kpt@doc.ic.ac.uk (Kevin Twidle) writes:

```
>I have scanned the specifications of the IC-R100 (from a brochure) and
>the IC-R1 from my manual (which happens to be in English :-))
>
>o Frequency coverage:
>
>        VERSION              FREQUENCY COVERAGE
> U.S.A., Australia, Asia       100 kHz - 1300 MHz
```

```
>
>        Germany             13.95 - 14.5 MHz, 28 - 29 MHz,
>                            144 - 146 MHz, 430 - 440 MHz,
>                               1240 - 1300 MHz
>
>        France            100 kHz - 87.5 MHz, 108 - 1300 MHz
>
>                         Specifications guaranteed
>                         2 - 905 MHz.
```

Why do Germany and France not allow the sale of radios which get these frequencies? Also, is it really illegal to sell a ordinary FM radio (88-108MHz) in France?

```
Doug Braun                   Intel Corp CAD
                        408 765-4279

 / decwrl \
 | hplabs |
-| oliveb |- !intelca!mipos3!cadev4!dbraun
 | amd    |
 \ qantel /

 or:

 dbraun@scdt.intel.com
```

From -9146384395367113002
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a9101e4305bc63e8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 19:52:40 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: W3XO's Comments on 90-55
Message-ID: <9008150252.AA03439@cmr.ncsl.nist.gov>
Date: 15 Aug 90 02:52:40 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 376
Posted: Wed Aug 15 03:52:40 1990

I have been asked by W3XO to post his 90-55 comments to the net; here goes:-

Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, DC 20554

PR Docket No. 90-55

In the Matter of
Amendment of Part 97 of the)
Commission's Rules Concerning)
the Establishment of a Code-free)
Class of Amateur Radio License)

Submitted by
William A. Tynan W3XO
HCR 5 Box 574-336
Kerrville, TX

Summary

I support the basic concept of creating a code-free class of Amateur Radio license provided that it is established with goals of:

1. Encouraging responsible and knowledgeable people, particularly young people, to enter Amateur Radio.

2. Leading to an increase in the utilization of the higher frequency Amateur bands (220 MHz and above).

3. Not increasing the difficulty of entering Amateur Radio for those who might not be as knowledgeable and technically qualified as perspective code-free license candidates might be.

4. Not disrupting current valuable amateur activities.

Background and Qualifications

I have been a licensed amateur since 1945, with the original call, W3KMV being issued about six months later. I began with a Class B License and obtained a Class A in mid-1946. In the mid-1970s I obtained an Extra Class License and requested, and received, the present call in 1976. I have operated all Amateur bands from 160 meters to 70cm with the exception of 30 and 17 meters. My principal interest has been in the VHF and UHF range and I am especially active on 6 meters using SSB and CW. I have contacted a total of 101 countries on that band. I have also been active on the 2 meter band, using all modes; CW, SSB, AM, FM and packet. Before leaving Maryland at the end of 1988, I had contacted 37 U.S. states on the 2 meter band. Since 1975, I have been the conductor of QST column The World Above 50 MHz which is devoted to reporting events in the VHF, UHF and microwave Amateur bands. I was a founding member of the Radio Amateur Satellite Corporation (AMSAT) and have served twice on its Board of Directors. I am currently an AMSAT Director, as well as its Vice President for Manned Space Programs. In that capacity, I have authored three proposals, which were submitted to NASA Headquarters jointly by AMSAT, and ARRL. These led to operation from the Shuttle by licensed Radio Amateurs. In my professional life, I was employed by the Johns Hopkins Applied Physics Laboratory Laurel, MD from 1951 until retiring in March 1988. There, I attained the position of Senior Engineer and worked on a number of U.S. Navy weapons programs.

I graduated in 1950 from Rensselaer Polytechnic Institute Troy, NY with a degree in Management and Electrical Engineering.

I believe that my many years as an amateur, my current position as conductor of The World Above 50MHz and my association with AMSAT gives me a particular insight into the ramifications of establishing a code-free license, influenced especially by the privileges the Commission sees fit to grant its holders.

I cite my background and affiliations only to establish my credentials to comment on this NPRM. The comments contained herein are not to be taken as representing the views of any of the organizations with which I am, or have been, affiliated. They are strictly my own.

The AMSAT Board voted unanimously to support a code-free license, some months before the ARRL established its committee to study the mater - and ultimately submitted a Petition for Rulemaking. Our reasons for suggesting the establishment of such a license were based on meeting two principal objectives.

1. Increase the amateur population on the higher bands, especially the bands above 1 GHz.

It was felt that this is particularly important in the light of the approaching WARC; in which it is believed that great pressure, particularly from European countries, will be exerted to reallocate parts, or all, of these bands to other services. Since continued amateur allocations in this part of the spectrum are considered vital to the future of the Amateur Space Program, the AMSAT Board members favored, and still favor, any steps that can be taken to promote amateur occupancy of these bands.

2. Bring more talented technically minded people into Amateur Radio. The AMSAT Board members feel that there are many people, especially young people, who are intrigued by today's technology such as computers and space, but are deterred from becoming licensed amateurs by the need to learn the Morse Code. A majority of the Board believes that the problem is not with these people's inability to learn the code, but rather, their conviction that it irrelevant to today's communications techniques. (While I do not subscribe to the view that Morse Code is irrelevant, I do understand how some people can reach this conclusion.)

The decision of the AMSAT Board was informally conveyed to various ARRL officials, and may have contributed to the League's establishing a committee to study matter and later submit a Petition for Rulemaking. The Tucson Area Packet Radio (TAPR) organization's Board of Directors reached a similar conclusion about the same time. Its action was also made known to League officials. In this way, although AMSAT did not submit its own Petition for Rulemaking, I feel that the AMSAT and TAPR Boards' decisions contributed significantly to the process which led to the League's Petition and the Commission's subsequent NPRM.

Comments

I have had, and continue to have, reservations as to the need and desirability of establishing a code-free Amateur license. I have always felt that the accomplishment of learning the Code represents a commitment on the part of perspective licensees. I believe that it demonstrates that the person is really interested in Amateur Radio as a hobby, rather than merely a means of getting on the air to satisfy some specific need for communication. However, since I supported the AMSAT Board in its un resolution on the matter, I do not feel that it would be proper to take a different stand in these proceedings. I, therefore, support the establishment of a code-free license provided that it fosters the two objectives cited by the AMSAT Board. I will address my specific recommendations for accomplishing this in the following paragraphs. I have some additional concerns which are raised by the Commission's release and will also address these.

As stated above, I support the concept of a code-free license provided it is aimed at attracting people who are seriously interested in Amateur Radio as a technical hobby, not merely the desire to "talk on the radio", or for the purpose of establishing some specific communication link, such as with a spouse. For those for whom such an application is their principal aim, the 27 MHz band is available. To implement the objective of recruiting people really interested in radio, I believe that the written exam should be designed to require real learning of a broad range of radio and electronic theory, not merely memorizing the answers to a few questions. It may be that the 60 question test proposed by the Commission is consistent with this aim. However, I do contend that some questions relating to digital theory should be included as the people interested in that aspect of technology are among those we should be attracting to Amateur Radio through the code-free license. Nevertheless, I don't consider myself an expert on designing tests and will leave the details to those who are.

I support the Commission's proposal to limit the privileges of the new proposed license to the 220 MHz band and above. (The Commission refers to it as 222 MHz.) I believe that this is consistent with the objective of encouraging an increase in the occupancy of the higher bands. I might even limit code-free licensees to 1240 MHz and above, but I understand the need to not relegate them to a "ghetto"; but, rather, make the license something that can be useful immediately. In most populated areas, there is significant activity on the 1-1/4 meter and 70 cm bands. The granting of Novice privileges on the 1-1/4 meter band has materially increased activity there and many 1-1/4 meter repeaters are now linked to 2 meter repeaters. This permits Novices and, ultimately, code-free licensees to communicate with amateurs using such cross-linked repeaters. I am aware that some individuals and organizations favor permitting code-free licensee use of all VHF and UHF bands (50 MHz and above). I believe that this would be counter-productive to the objective of increasing occupancy of the higher bands. Futhermore, I feel that it could also have a severe detrimental impact on current operations on the 6 and 2 meter bands. I point out that, in its NPRM, the Commission states that one of its objectives is to "avoid any negative effect on current licensee...". If the Commission sees fit to grant code-free licensees access to 6 and/or 2 meters, the "effect", so produced, can be minimized by instituting other rule changes, which I will discuss. Particularly in the case of 2 meters in the large metropolitan areas, crowding and inter-mode friction is becoming increasingly serious. Most people, in and out of Amateur Radio, seem to believe that amateurs use VHF almost exclusively for wide band modes such as FM voice, packet radio and amateur TV. They fail to consider the important minority which employs narrow band transmission modes such as SSB and CW to great advantage on these bands. It is almost solely these people who are learning to take advantage of the more obscure types of radio propagation, such as tropo scatter, ionosphere scatter, meteor trail reflections, moonbounce and amateur satellites. Signals from distant stations, propagated by such modes of propagation, are not even noticed by those using FM and other wide band transmission modes. It is the people who utilize narrow band/weak signal techniques who are constantly designing and building more effective antennas to attempt to obtain that last fraction of a dB of gain to take advantage of such, usually weak signal propagation. The same goes for RF power amplifiers and low noise receiver preamplifiers. Not surprisingly, the amateurs interested in weak signal narrow band VHF/UHF and microwave work, do much more building than does the average amateur. The fact that such operators are not in the majority should not be used to dismiss them as unimportant and insignificant. But that is what is currently happening, especially on 2 meters around the large cities. The increasing use of FM for both voice and packet radio will soon make weak signal work all but impossible for many of our active SSB/CW operators. Current FCC rules permit wide band modes, based on FM, to be used anywhere above 50 MHz, with the exception of the segments 50.0 to 50.1 and 144.0 to 144.1 which are reserved for A1 (CW). As beneficial as these CW preserves are, they do nothing to prevent people from operating FM anywhere else in the VHF spectrum. And many do - especially on 2 meters. In recent years, numerous local voice nets and many packet services have cropped up between 144.3 and 144.5. Some have even been "coordinated" by local and regional frequency coordinators. This is despite the fact that the ARRL Band Plan and many years of custom have defined the 144.0 to 144.5 MHz and 50.0 to 50.5 segments as being for narrow band transmission modes. AMSAT announced in the early 1980s its intention to use the 144.3 to 144.5 segment for future amateur satellites. It did so, feeling that such use should be generally compatible with the use being made of those frequencies by weak signal terrestrial operators. This intended satellite use was subsequently reflected in the ARRL Band Plan. With the launch of OSCAR-13, that use was begun - only to experience serious interference from FM operators; and howls of protest to the effect that "those space people are trying to grab our frequencies".

I firmly believe that, if code-free licensees are given access to 6 and 2 meters, and no other new rules are instituted; the pressure on weak signal work from FM operations will increase to the point that weak signal work on 2 meters will not be possible throughout much of the country. If that is allowed to happen, Amateur Radio will lose some of its most dedicated and valuable practitioners. Such an eventuality can hardly be construed as meeting the Commission's third objective of " avoid[ing] any negative effect on existing licensees". While FM inroads are not as pervasive on 6 meters as they are on 2 meters, indications of trouble ahead are already evident there also. For example; an influential 6 meter group in southern California has, for several years, been actively promoting the use of 50.3 MHz as an FM channel. To prevent further pressure on weak signal/narrow band operators, I strongly oppose the opening of 6 and 2 meters to code-free licensees; unless the Commission is willing to also adopt rules reserving 144.1 to 144.5, 50.1 to 50.5 and the satellite segment, 145.8 to 146.0 MHz for narrow band modes consistent with AM, SSB and CW. An exception must be placed on 145.8 to 145.0 to permit FM for orbiting spacecraft. (I have included AM, even though there is little current AM activity on these bands.) Furthermore, I urge that such a rule be adopted even without opening up these bands to code-free licensees.

If the Commission decides that code-free licensees should be permitted on 6 and 2 meters, the current band users can be expected to welcome the new operators, provided they employ the same transmission modes as are now customary. However, since I feel that, no mater what kind of exam the Commission develops, a majority of code-free licensees will use FM modes, mostly because that's what most amateurs, and non-amateurs, think VHF is for. In my opinion, the surest way to make the new licensees feel unwelcome is for them, possibly inadvertently, to begin by using FM on portions of the bands customarily employed for weak signal work. If code-free licensees are given access to 6 and 2 meters; the way to assure that they do not run into hostility, from this cause, is to have, in place, clear rules for them, and everyone else, to follow.

The Commission asks for comments regarding possible HF CW privileges for code-free licensees. I believe that such privileges would be counterproductive to the objective of populating the higher bands, as well as creating significant monitoring and enforcement difficulties. Even if, in order to comply with ITU regulations, they are precluded from contacting stations outside the U.S. their signals would, nevertheless, travel beyond national boundaries. Additionally, enforcing such a ban would be almost impossible.

I believe that the Commission's proposal to eliminate the Novice Class License is counterproductive to that class's long standing objective of introducing new people to Amateur Radio. As stated above, I do not feel that the proposed code-free license has, or should have, quite that same objective. It should, I believe, be aimed at bringing in the more technically inclined people who see no place for Morse Code in modern communications. The Novice Class has just the opposite objective. Its goal has always been to bring new people into the hobby in a manner which encourages them to use code, and thus improve their skills with it - the more traditional approach to Amateur Radio, if you will. In my view, the more difficult technical exam, which the code-free license should carry and is proposed by the Commission, will be a significant deterrent to new people, who might otherwise enter Amateur Radio via the Novice License. Having both code-free and Novice Class licenses will provide a dual entry point to Amateur Radio. This could be very beneficial in recruiting the greatest number of new Amateurs. I see no reason why the Novice examination cannot be integrated into the VE system, either with or without reimbursements. The reimbursement involved is not significant in terms of the spending habits of most of today's young people. Provision for a way to handle cases of real financial hardship could, however, be included in any new rules and, if instituted, should apply to all license classes.

I contend that the Commission's proposal to eliminate the Technician Class License is also unwise. The Technician Class constitutes a general VHF license, allowing those who are interested only in that part of the spectrum full privileges. A significant percentage of people whose main interest is VHF operation are Technicians. Many of them do not upgrade simply because they have little interest in HF operation. Some weak signal VHF operators are Technicians - although a much larger percentage hold higher grade licenses. I recommend that the Technician Class license be retained and that code-free licensees, who pass the 5 word per minute code test, be upgraded to Technician. Code-free licensee who pass the 13 word per minute code test would be upgraded to General Class. The Commission's proposal to forever saddle code-free licensees, who pass a code test, with a callsign suffix is unwieldy, unfair and unnecessary. It seems to me that the Commission is merely taking on an additional monitoring and enforcement burden which is inconsistent with tighter budgets now in vogue. I do not believe that the increased burden of issuing upgrade licenses is greater than the hardship and headaches the Commission will be generating with perpetual suffixes.

The Commission proposes to issue code-free calls from the same block as Novice. In my opinion, a better approach would be assign a new callsign block to them, for example 2 by 4s, or 2 by 3s beginning from the end of the alphabet, e.g. prefixes such as WZ, WX, WY..., KZ, KX, KY.... When, and if, a code-free licensee upgrades; he or she should be given the option of obtaining a new call or keeping the old one. While such an approach makes monitoring more difficult, it is exactly the policy being followed today.

Keeping both the Novice and Technician Classes, while adding a code-free class, still falls within the Commission's need to keep the total number of license classes to six. I have received information that the volume of Form 610s the Commission processes each year, has become a problem. This is, apparently what led to the proposal to eliminate the Novice and Technician licenses. I sympathize with the Commission's dilemma in this case, but suggest that it is attacking the wrong end of the license ladder. I would rather see the Advanced of Extra Classes dropped than the Novice and Technician. The most appropriate solution, however, would be to institute REASONABLE filing fees ($10 per filing). I believe that amateurs would support a nominal fee such as that, if the money would go directly to the Commission rather than into the general revenue. However, a $30 to $35 filing fee, with the proceeds going to the Treasury, which Congress debated last year, would (and did) meet with stiff opposition. I recognize that institution of any filing fees requires Congressional action.

What's in a name? I believe quite a bit. The Commission has followed the ARRL proposal to call the code-free license "Communicator". I consider this a most inappropriate name, as it carries the "talk on the radio" connotation, rather than the "participate in technology" approach. In other words, I believe the name "Communicator" will send entirely the wrong message to perspective licensees, as well as commercial interests coveting additional Amateur frequencies. While no name is perfect; I propose the name "Experimenter" as better typifying the purpose which, I believe, the code-free license should serve.

Specific Recommendations

I urge the following actions by the Commission in this proceeding:

1. Institute a code-free class of Amateur Radio license called the "Experimenter Class" with a written test which is at least as difficult as the current Technician/General exam and preferably of greater difficulty, with digital questions included.

2. Provide privileges for Experimenter Licensees on 220 MHz and above with the same power and transmission modes as are now available to Technician and higher classes on those bands.

3. Retain the Novice and Technician Class License and put the Novice examination under the VE program.

4. Upgrade Experimenter Class licensees to Technician upon passage of a 5 word per minute code test and General upon passage of 13 word per minute code test. This approach negates the need for special suffixes forever carried by code-free licensees who have passed a code examination. If this requires the elimination of a license class, drop the Advanced and/or Extra. I believe that such action should be a subject of a separate Rulemaking, however.

5. Issue distinctive callsigns to Experimenter Class licensee but allow them to retain these calls upon upgrading.

6. If the Commission sees fit to grant code-free licensees access to 6 and 2 meters, institute new rules excluding FM operation from 50.1 to 50.5, 144.1 to 144.5 and 145.8 to 146.0 MHz. Some provision should also be made to protect weak signal modes in the 220 to 225 MHz (or 222 to 225 MHz) band, but the specific band segments so protected must await ongoing allocations proceedings. I urge the adoption of these protected segments whether or not a code-free license is instituted and regardless of its privileges. The situation is becoming intolerable in many areas even under the existing licensing structure. I am currently preparing a separate Rulemaking Petition on this subject.

Respectfully submitted,

William A. Tynan

From -5946699024690265824
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdd1f7c2d29f4b3c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 20:57:19 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Interesting posting on ship-to-shore stations
Message-ID: <7880250@hpfcdc.HP.COM>
Date: 15 Aug 90 03:57:19 GMT
References: <43895@apple.Apple.COM>
Organization: HP Fort Collins, Co.
Lines: 18
Posted: Wed Aug 15 04:57:19 1990

While on a Carribean cruise, I was able to wrangle a tour of the radio room. Thinking that a commercial enterprise would have the most up-to-date equipment, I was surprised to see an 800 watt HF rig (complete with code key). The frequencies were different, but it had nothing on my old TS520.

While there was a VHF packet (X.25) link via satellite to the home office, it wasn't primarily used because it was too expensive. What got used was a clunky 110 baud modem connected to a radiotelephone that operated over HF (and who said HF was dead :-). On the other end of the modem was a PC.

If you have the opportunity, tour the radio room of a commercial ship. They seem to be heavily into "cheap" and "reliable".

Perry Scott
KF0CA

From -8881665573256954296
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe4e7acbd69ecd18,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 23:00:36 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!XEROX.COM!"hugh_davies.WGC1RX"
From: "hugh_davies.WGC1RX"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: 'G' Licenses, no-code & Project YEAR.
Message-ID: <900814-102511-1821@Xerox>
Date: 14 Aug 90 09:44:34 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 71
Posted: Tue Aug 14 10:44:34 1990

Since some comments have been made about licensing in 'G', here is some grounding for you to argue about;

There are two classes of Amateur Radio license in 'G' land, called Class 'A' & Class 'B'. The only difference between them is the Morse test. They both sit the same exam (a 2 parter, multi-choice, takes about 3 hours total). If you pass both parts of the exam, you can apply for a 'B' license which gives you full privileges from 30MHz up, including the ability to use Morse, if you so wish, but you must ID on phone (because "your code is not guaranteed to be readable" - whatever that means.) If you wish HF privileges, you sit a 12wpm Morse test, both send and receive, text and figures. Effectively you must have 100% copy in receive, no uncorrected errors in sending (and a limited number of corrected errors!). If you pass, you get an 'A' license which allows you to operate from 30MHz down as well as up. If you already have a 'B' license, you get a new callsign. 'A' calls are; G0, 2, 3, 4 + 3 letters, G6+2 letters (obsolete), 'B' calls are G1, 5, 6, 7, 8+3 letters.

Now for a contentious statement. Since the introduction of the no-code ('B') license, approximately 80-90% of 'A' license holders start with a 'B' license, then move on to learn the code in order to get HF privileges. That says to me that no-code *is* a good way to get people into the hobby.

But - The British ham population is ageing, as in the USA. *So*, the code isn't the only reason why people don't enter. And I think the reason they don't enter is because amateur radio is essentially an invisible hobby. Nobody knows we exist. Someone said it was "a bunch of nerds tinkering in their dungeons", and he was right. So the RSGB has instituted Project YEAR (Youth into Electronics via Amateur Radio - and yes, it is a crap acronym.) This project has the support of many organisations such as the Department Of Trade and Industry, the BBC, the RSGB, the Department of Education, some of the trade organisations, and so on. It's serious enough that the DTI have donated a cash prize for Young Amateur of the Year, plus various other people have donated time, effort and money. It's based on mutual self-interest; The establishment realises that we are desperately short of electronics engineers and the amateurs realise that we need more amateurs. By doing this, the establishment has shown that they think Amateur Radio is more than just a hobby - it's a way of getting people into the electronics industry (where, by the way, Morse Code is about as relevant as a bicycle is to a fish.)

But, we're still not hitting the target audience. Young people. The RSGB are producing a video, a magazine aimed at the younger audience, and they are working on a Novice License with an easier exam than the 'A' and 'B' test, plus a 5 wpm Morse (sigh) test. On a personal level, our club called all the local schools, Youth Groups and Scout and Guide groups, and invited them to a series of meetings. About 60 kids turned up. (Incidentally, although we wrote to all the local high schools, not one bothered to reply.) One month we talked about "What was Amateur Radio", another month I gave a talk about and demonstration of packet radio, and another member gave a demo of satellite technology. Frankly, we had to beat the kids off with a stick. They were *fascinated*. We got dozens of enquiries, and several new members out of it.

So, whilst the code *IS* a barrier to new entries, removing this barrier isn't necessarily going to bring in floods of new people. You've got to get up off your fat ass and *do* something about it. That's the difficult bit - blowing hot air on the network doesn't count doodley-squat.

Sorry I waffled on so long.

73, Hugh Davies, G0CNR
(Yes - An 'A' licensee. And yes, I came in via no-code, I was G1BUE then.)
====================================
Senior Software Engineer,
Customer & Service Education,
Rank Xerox,
Welwyn Garden City,
Herts.,
England.
====================================

```
From -4428072248659233716
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dce1787c81cdcb40
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 23:35:24 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!ucsd!
ucbvax!BGUVMS.BITNET!RAFI
From: RAFI@BGUVMS.BITNET (Bruner Rafi)
Newsgroups: rec.ham-radio
Subject: PERSIAN GULF ON USB
Message-ID: <9008141752.AA29062@ucsd.edu>
Date: 14 Aug 90 17:47:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4
Posted: Tue Aug 14 18:47:00 1990
```

YOU CAN LISTEN INN ON SOME OF THE US FORCES ACTIVITY IN SAUDI ARABIA
ON 13.214 MHZ. INTERESTING.

EARL 4Z4TJ

```
From -2644253748108282926
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,adff48fab130347c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 01:04:17 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: WANTED: User-friendly mail reader
Message-ID: <9008141825.AA18228@tilde>
```

Date: 14 Aug 90 18:25:03 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Tue Aug 14 19:25:03 1990

Hi y'all!

My access to info-hams is not what it useta be; instead of all the neat "incoming" mail messages, I am now getting only the digest so I can no longer use the VAX Mail features for scanning messages, etc.

Can someone recommend a friendly mail reader? I have the directory listing from SIMTEL20's pd:<MSDOS...> directories, but have not found anything that looks like what I want.

I am on a non-UUCP site, so I have to do GET's in the blind... if anyone can tell me where to look, I can give it a shot, otherwise I have a long turnaround on "exploring" via BITFTP.

Thanks & 73,
Bob WA8YCD
RLWEST@FLOPN2.CSC.TI.COM

From 6358767086882379801
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,129596b5d3e80f22
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 01:13:56 PST
Path: gmdzi!unido!mcsun!ukc!axion!masalla.fulcrum.bt.co.uk!beta.its.bt.co.uk!john
From: john@its.bt.co.uk (John Trickey)
Newsgroups: rec.ham-radio
Subject: Re: Logic vs. Analog ground
Keywords: logic analog ground grd gnd
Message-ID: <X_%%&__@masalla.fulcrum.bt.co.uk>
Date: 14 Aug 90 15:00:25 GMT
References: <1990Aug6.234255.791@csense.uucp>
Sender: root@fulcrum.bt.co.uk (Root on Masalla)
Organization: BT Applied Systems, Birmingham, UK
Lines: 26
Posted: Tue Aug 14 16:00:25 1990

In article <1990Aug6.234255.791@csense.uucp> bote@csense.uucp (John Boteler) writes:
>We are designing a repeater controller interface circuit with both
>analog and logic portions (unique, eh?). ....
>
>Now we have two grounds internal to our circuit board.
>What do we do with them?
>

I hope you also have 2 separate supply lines else all your efforts are in vain. Ideally you should have 2 power supplies to feed your repeater. One designated "dirty" for the logic and switching circuits, the other "clean" for the analog circuits. This will remove any mutual coupling from having switching spikes in the same lines as the analog power. The two grounds would then be taken to an earth bonding point but as no current will flow in these lines, noise will not be induced.

However, I am a realist and the practical solution is to common the ground rails at the PSU and connect the analog power rail to the PSU via a filter (RC for low current LC for high current).

Hope this helps.
--

John Trickey   British Telecom Applied Systems.
jvt@its.bt.co.uk   ..!mcsun!ukc!axion!its
G4REV @ GB7SUT   Voice: +44 21 333 3369

From -8409660183291434737
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,44a949166330eaca,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 03:01:33 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!hplabs!hpcc01!hpbbn!hpbblb!gordon
From: gordon@hpbblb.bbn.hp.com (Gordon MacKinney)
Newsgroups: rec.ham-radio
Subject: Ptr to "WANTED: Advice for a Novice"
Message-ID: <13860001@hpbblb.bbn.hp.com>
Date: 14 Aug 90 10:43:17 GMT
Organization: HP Computer Systems Boeblingen
Lines: 3
Posted: Tue Aug 14 11:43:17 1990

Please see rec.radio.shortwave for "WANTED: Advice for a novice" if you can provide a basic introduction to shortwave for a newcomer.

From -2515171440553764601
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5757e84f018f2a9f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 03:01:34 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!chuq
From: chuq@Apple.COM (Spot the Wonder Dog)
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 Filing (yet again)
Message-ID: <43957@apple.Apple.COM>
Date: 14 Aug 90 19:55:51 GMT
References: <30500679@ux1.cso.uiuc.edu> <SD9&DS_@splut.conmicro.com> <289@ultrix.uhasun.hartford.edu> <P_0&DSD@splut.conmicro.com>

Organization: Third man from the Rhino, the Jungle Cruise
Lines: 31
Posted: Tue Aug 14 20:55:51 1990

jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard) writes:

>I gave long thought to whether or not I was going to file comments before making my decision not to. The FCC has indeed lately been unwilling to listen to public comments that oppose a particular course of action - witness the 220 grab. I have no reason to believe that any individual's comments - no matter what they said or how well they were written (and, from Phil's description, I could most likely do better than most of the comments opposing a no-code license) - would materially affect the Commission's opinion. I decided not to invest mountains of effort in beating my head against a wall.

On the other hand, there was a note posted on the net today saying that because of feedback the FCC is considering changing the Communicator class to be anything greater than 30MHz rather than the original proposal. So if they're not listening, they're independently coming up with some interesting ideas.

If you don't file your comments, Jay, they can't listen even if they want to. You've made the decision for them. If you file and they pay no attention, there's not a lot you can do about it, but failing to file cedes the defeat before you even started the battle. Don't give them any excuse to ignore you.

--
Chuq Von Rospach   <+>   chuq@apple.com   <+>   [This is myself speaking]

It's a small world, after all!
It's a small world, after all!
It's a small world, after all!
It's a small, small world!

From -3502065889517283080
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1152b8,2fcafefb09821281,start
X-Google-Attributes: gid1152b8,public
X-Google-Thread: 10c9e3,2fcafefb09821281,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 11232c,2fcafefb09821281,start
X-Google-Attributes: gid11232c,public
X-Google-Thread: 101376,2fcafefb09821281,start
X-Google-Attributes: gid101376,public
X-Google-ArrivalTime: 1990-08-15 03:03:59 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!bloom-beacon!aviator
From: aviator@athena.mit.edu (Joakim Karlsson)
Newsgroups: rec.aviation,misc.emerg-services,rec.ham-radio,misc.misc
Subject: Civil Air Patrol newsletter.
Keywords: civil air patrol, emergency services, search and rescue

Message-ID: <1990Aug14.192531.12737@athena.mit.edu>
Date: 14 Aug 90 19:25:31 GMT
Sender: daemon@athena.mit.edu (Mr Background)
Followup-To: rec.aviation
Organization: Flight Transportation Associates, Cambridge, MA
Lines: 23
Xref: gmdzi rec.aviation:5961 misc.emerg-services:200 rec.ham-radio:13961
misc.misc:6068
Posted: Tue Aug 14 20:25:31 1990

This is a periodical (monthly) posting to announce the availability of CAPITAL, a Civil Air Patrol electronic newsletter published on a more or less weekly basis.

The Civil Air Patrol is an auxiliary of the United States Air Force, that provides emergency services (including search and rescue missions for downed aircraft), aerospace education, and a cadet program. As part of its operations, the Civil Air Patrol operates a radio communications network.

If you are interested in receiving this newsletter, please send your name and InterNet address to aviator@athena.mit.edu. If you are a current CAP member, please include grade, squadron, charter number, and callsign. Submissions will also be accepted at this address, along with back issues requests.

Please feel free to distribute this article further.

--
Joakim Karlsson | aviator@athena.mit.edu
Flying Fanatic in Training | Flying Status: 29.0 hrs dual and counting.
"Oh, I have slipped the surly bonds of earth
And danced the skies on laughter-silvered wings"

From -8133157619211610723
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 03:04:24 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!shelby!portia.stanford.edu!
jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: A New War? (Really: The old war)
Message-ID: <1990Aug14.191544.10355@portia.Stanford.EDU>
Date: 14 Aug 90 19:15:44 GMT
References: <1990Aug13.045344.21508@portia.Stanford.EDU> <26584@usc.edu>
<43943@apple.Apple.COM> <26590@usc.edu>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 23
Posted: Tue Aug 14 20:15:44 1990

In article <26590@usc.edu> kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
>Your youngster doesn't have to build his radio, just his DSP equipment.
>Oh, he has to write his own software also. If it will make you feel
>beter, I will have my youngster build a morse code key. Commercially
>available radios and transverters do not come equiped with either morse
>code keys, nor DSP equipment (for receiving very weak signals at very
>low baud rates).

Again, why? Commercial DSP equipment exists, and more is on the way. Also, why does this have to be a youngster? Since presumably we'd like to get more tech folks into ham radio (the ones who have the loudest -- and fairest -- case against CW). Let's consider the cost in real dollars of bringing them up to 20wpm (nowhere near the bit rate available via dsp, but I'll go easy on you).

>With your choice, the CW contact is not possible, and the challange is
>not fair.

Your choice requires time (and therefore money) which results in a skill that is less efficient. Who's being unfair here?

-=Paul Flaherty, N9FZX/VK2WYX | "TEXAS! Has a USENET in it... (Lord have Mercy
->paulf@shasta.Stanford.EDU | on us all!)" -- _The Best Little Net in Texas_

From 7786803627153057353
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 03:05:00 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!shelby!portia.stanford.edu!
jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: A New War?
Message-ID: <1990Aug14.193827.11936@portia.Stanford.EDU>
Date: 14 Aug 90 19:38:27 GMT
References: <30500672@ux1.cso.uiuc.edu> <26567@usc.edu>
<1990Aug13.045344.21508@portia.Stanford.EDU> <26584@usc.edu>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 32
Posted: Tue Aug 14 20:38:27 1990

In article <26584@usc.edu> kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
>You take one suitably willing 15-25 year old, teach him all he needs to
>know about DSP, have him build his DSP equipment, and then make the
>simulated contact. You can change the bandwidth of the receiver, but
>then the signal-to-noise ratio of the simulated signal must be scaled
>appropriately. (I was very generous when I gave you 2.5 kHz!)

Well, let's see here. I had just turned 23 when I saw W3IWI and N4HY demo some of their DSP stuff at an AMSAT get-together. All I would have had to do was 1) obtain one of the TI DSP boards and plug it into a PC (something I've been doing since I was about 15), and 2) Copy some floppies (again, something I've been capable of since the days of the S100 beast).

The best part is that I could get college credit for putting this sort of thing together, something that CW can't buy. Not to mention a superior signal interception system, with far greater sensitivity, speed, and spectrum efficiency.

>This body of knowledge is
>considerable, as demonstrated by the fact that most electrical
>engineers with a bachelor's degree are probably not comfortable with it.

A gross overgeneralization. Stanford recently converted its intro-to-DSP course to an undergraduate junior level course. Marquette also offerred an undergrad course, and it was always packed. Since both of these courses are optional, their popularity demonstrates that DSP not only simple, but considered to be very important, even by "youngsters".

Sorry, but CW is not cost effective.

```
-=Paul Flaherty, N9FZX/VK2WYX | "TEXAS! Has a USENET in it... (Lord have Mercy
->paulf@shasta.Stanford.EDU   | on us all!)" -- _The Best Little Net in Texas_
```

From -8993225578964735115
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,86566bc612021a1f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 03:08:23 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: v.29 modem test
Message-ID: <1589@n8emr.UUCP>
Date: 15 Aug 90 01:17:33 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 157
Posted: Wed Aug 15 02:17:33 1990

```
==============================================================
|        Relayed from   N8EMR's Ham BBS,              |
|         614-895-2553 1200/2400/9600/V.32/PEP/MNP5          |
==============================================================
```

Jeff King upload this to my LL BBS.. I had a quick chat
with him on the board and he said it would be ok to post
these brief test results on his v.29 fax modem on packet.

If you want more info write him at the UPS address listed in the text or wb8wka@wa8ooh on packet.

-gary n8emr

==

9600 BAUD (BPS) FAX TEST RESULTS

Conducted between WB8WKA (NOS TCP/IP) and WA8OOH (MSYS v1.08)

(Please reference my earlier posting "9600 baud FAX MODEM" for a more detailed description of the circuit.)

Between 7/25/90 and 8/6/90, the amateur radio stations of WB8WKA and WA8OOH tested a "V.29 FAX modem" chip, the YAMAHA 7109, between there respective packet radio stations. Distances involved where about 7-8 miles over urban terrain. Results where quite positive with respect to the performance of the radio link. Equipment and power levels used at each station follow:

RADIO EQUIPMENT:

WA8OOH	WB8WKA
Livonia MI	Farmington MI
ICOM28A (5 watts)	KENWOOD 7950+amp (160watts)
MFJ 1270 TNC	GLB TNC2A
MSYS V1.08 on IBM AT	NOS on IBM AT

Additional radios where also tested. At WA8OOH, good results where also obtained with a 215 Kenwood HT at 200-300 milliwatts. A Kenwood 7730 was also tested with very poor results. Past experience with this radio and the failure of any PL to function correctly on it may need further investigation.

At WB8WKA, tests where also run at power levels less then 160 watts with excellent results, but due to the sharing of the radio with one of the Detroit/Windsor TCP/IP lan's, running lower power full time was not practical. In addition, a ICOM 2AT was tested at 100mw with excellent results.

Signal strengths at both stations where full scale, even at lower power levels. Antennas used at WB8WKA consisted of a AEA ISOPOLE at 50' while at WA8OOH we had a Hustler G7 at 20 feet. All tests where conducted on 2 meters.

THROUGHPUT:

As was to be expected, throughput took a dramatic step up. About one megabyte of files where moved via tcp/ip, with the throughput hovering around 100 bytes/sec. While this is certainly nowhere near "9600 baud", it was a significant jump over earlier tcp/ip testing at 1200 baud. It is thought that there may be some incompatibilities between msys tcp/ip and net/nos. Tests will be run latter this week between two msys stations to see if this figure can be improved upon.

In AX.25 operations, ("user" to bbs) operation was simply put, a dream. By using the "XF" command in msys, full packets where transferred. Setting "X22" allowed a full screen to be transferred at a time. Throughput was about 1 page a second, which worked out to be about 6000-8000 bits per second. From a "user" perspective (I was the user in this case) it made operating the bbs much more enjoyable. As many of our LAN's in the southeastern MI area our crowded, the additional speed did not go to waste.

If I may quote WA4DSY, "Oh where oh where is my HIGH SPEED DIGITAL"? What this means of course, is that we where not able to fully exercise the modems due to MSYS and/or our TNC's not being able to go beyond 9600 baud. The tnc's where modified for 19200 baud operations but we experienced dropped characters. In any type of KISS operation, it is important for maximum throughput, that your DATA link (async link) be at least twice as fast as your radio link. As we where not able to achieve this, then our hope is that much faster throughput can be obtained.

GENERAL IMPRESSIONS:

Audio setup is much more critical. Tones will tend to sound undermodulated. In addition to audio setup, a "keyup delay" circuit must be setup as well. This is due to the fact that these modems send a "training sequence" upon keyup. This must be held off until the radio is fully keyed up. (generally 100-200ms) Once these parameters are set up, things seem to be fairly stable and the modems can be relied upon in day to day operations.

IMPROVEMENTS:

A easier method for tuneup needs to be developed. If possible, mounting inside the TNC would also help. Current carrier detect in YAMAHA chip is useless. Have been unable to get state machine DCD to work on this chip but it is what is needed. Current layout use's +-5V, this needs to go. Must run on only +5V. Also will add programming header and mode select DIP switch.

Existing PC (a carbon copy of the PRUG circuit board) needs to be improved. Quite a bit of digital noise exists on this chip and a re-layout of the PC board would help greatly.

THOUGHTS:

While my original idea of the use of this modem was "networking", more and more I am beginning to feel this will be the next step for the end user. In many applications such as the DX cluster, TCP/IP and bbs operation, increase of speed on the user LAN is becoming more important. While this modem should be a fine performer on our "network backbones", the ease of implementation and the fact that IT CAN BE USED ON EXISTING RADIOS UNMODIFIED should be quite appealing for the amateur that wishes to increase LAN throughput.

WHATS NEXT:

In the next week or two, I need to re-layout out the circuit board to include the improvements I have found. In addition, I DESPERATELY need schematics for TNC's. I have schematics so far for the TNC1, TNC2, PK232 and DRSI. If you have schematics for any *other* tnc, PLEASE send me a copy to the address below:

Jeff King WB8WKA
22816 Maple Ave
Farmington, MI 48336.

Also, if you would like copies of the article describing this chip, please send a SASE to me at the above address.

BETA TEST:

So far, about 16 people have expressed interest in participating in a beta test of this modem. What this basically means, is that we will all get together and make a group buy of parts and such to reduce our costs. In addition of course to the sharing of information that a beta test implies. With a professionally done PC board and all parts I expect costs to be on the order of 60-70 dollars. This is of course assuming we can get a decent discount of the YM7109 (fax chip) as it alone goes for $55!!

73's

Jeff King WB8WKA
Farmington, MI
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From -7539216415625372443
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 04:14:11 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!yale!mintaka!ogicse!plains!enders
From: enders@plains.NoDak.edu (WD0BCI)
Newsgroups: rec.ham-radio
Subject: Re: A New War?
Message-ID: <5556@plains.NoDak.edu>

Date: 15 Aug 90 05:06:14 GMT
References: <26584@usc.edu> <43943@apple.Apple.COM> <26590@usc.edu>
Organization: North Dakota State University, Fargo
Lines: 52
Posted: Wed Aug 15 06:06:14 1990

In article <26590@usc.edu> kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
>In article <43943@apple.Apple.COM> kchen@Apple.COM (Kok Chen) writes:
>>So, tell me, how does "your" youngster make his contacts? Why is
>>it that "mine" would have to build his or her own rig and yours simply
>>go off and operate right after he has learned Morse?
>
>Your youngster doesn't have to build his radio, just his DSP equipment.
>Oh, he has to write his own software also. If it will make you feel
>beter, I will have my youngster build a morse code key. Commercially
>available radios and transverters do not come equiped with either morse
>code keys, nor DSP equipment (for receiving very weak signals at very
>low baud rates).

Hmmmm. I don't know about this. I'm *sure* every 15 year old techno-whiz knows enough calculus to work through the DSP design equations :-) RIIIIIIGHT! Sure, the coding is simple enough IF THE DESIGN IS WORKED OUT AND EXPLAINED WELL ENOUGH, but where is this information available in a form that the average 15 year old can UNDERSTAND???

>
>This whole thing is ludicrous. My whole point is that with conventional
>(readily available) equipment and techniques, CW is indispensible for
>making weak signal contacts. It is the most cost effective
>mode with any equipment and/or technique. When CW is not possible,
>because the signal is below the noise floor, then other techniques
>should be used.
>
>... [stuff deleted]
>
>I am very opposed to allowing the no-coders into the weak signal portion
>of the VHF/UHF/SHF/EHF bands. It is obvious to me that CW will continue
>to be used for a very long time, even when the DSP equipment becomes
>available.
>--
>Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

I have to agree with Ken about the effectiveness of CW as a weak signal medium at VHF/UHF/SHF, when there is a human on both ends of the equipment. However, with computers on both ends of the circuit, this no longer holds.

As far as protecting the weak signal portions of the bands from the communicators, remember, we have CW only subbands on most of the vhf/uhf bands. IF YOU DON'T LIKE PHONE OPS WORKING WEAK SIGNAL, STAY IN THE CW SUBBANDS!!! I seriously doubt that all that many communicators are going to be interested in weak signal anyhow. I think they'll be too busy yaking on a repeater or working packet to care much about us folk who dig the weak ones out of the noise (whether ssb or cw!!!)!

Todd Enders - WD0BCI   ARPA: enders@plains.nodak.edu
Computer Center   UUCP: ...!uunet!plains!enders
Minot State University   or: ...hplabs!hp-lsd!plains!enders
Minot, ND 58701   Bitnet: enders@plains.bitnet

From -6035820085658754472
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 04:37:22 PST
Path: gmdzi!unido!mcsun!hp4nl!phigate!philica!geertj
From: geertj@philica.ica.philips.nl (Geert Jan de Groot)
Newsgroups: rec.ham-radio
Subject: Re: A New War?
Message-ID: <646@philica.ica.philips.nl>
Date: 14 Aug 90 15:25:20 GMT
References: <9008101350.AA19126@tilde> <30500678@ux1.cso.uiuc.edu> <26582@usc.edu>
Reply-To: geertj@ica00.ica.philips.nl (Geert Jan de Groot)
Organization: Philips TDS, Innovation Centre Aachen
Lines: 45
Posted: Tue Aug 14 16:25:20 1990

In article <26582@usc.edu> kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
>   However, if you are really pushing it, if you are
>trying to work a new grid, a new state, someone very far away, if band
>conditions are poor, or if band conditions are good but the station is
>so far away that the signals are almost buried in the noise, then CW is
>essential!
 ...
>   It is a very useful
>skill (indeed - here it is ESSENTIAL), and reasonable proficiency (~13
>wpm) should be absolutely required.

If CW is that essential, why don't you let people discover that for
themselves?
In the 8 years that I have my license, I felt absolutely no need for
CW - while building a SSB transceiver (just for the fun of it),
or while building small repeater hand-helds, smaller than commercial
ones available at that time (also, just for the fun of it), or for my
tons of other projects.

Once more, the exams are built in such a way that people can operate
(build, modify, repair) RF gear safely (thus know the harmfulness of
spurious frequencies, high power and the like), and let the rest
of skills develop by practice.

If someone wants to develop skills to build RF gear by himself (the
exams are NOT SUFFICIENT for that - some practice is required), that's
fine, he knows how to do that without disturbing neighbour's television.

If someone wants to work via satelites, that's fine. If he needs to learn about orbits to know where to aim his antenna at, let him find out!

If someone wants to operate RTTY, that's fine. If he needs to find out
you usually cannot run SSB finals on max power continiously, let him
sniff and find out. If he needs to learn how to type, let him find out.
Speedy typing is not required on the exams (however, if one looks at
some typing done on packet, maybe typing may be in the exams? JUST KIDDING :-)

If someone wants to develop skills to receive very weak, distant signals,
that's fine. If he needs to learn some encoding technique that may be
more efficient, let him find out, don't force it on the exams!

After all, the Amateur Service is a service of self-education, isn't it?
Learning by doing it, it's much more instructive, and certainly much more fun!

73 Geert Jan, PE1HZG

From -8918892724756499266
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5757e84f018f2a9f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 04:37:31 PST
Path: gmdzi!unido!mcsun!hp4nl!phigate!philica!geertj
From: geertj@philica.ica.philips.nl (Geert Jan de Groot)
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 Filing (yet again)
Message-ID: <647@philica.ica.philips.nl>
Date: 14 Aug 90 22:21:35 GMT
References: <30500679@ux1.cso.uiuc.edu> <SD9&DS_@splut.conmicro.com>
<43908@apple.Apple.COM> <645@philica.ica.philips.nl> <43944@apple.Apple.COM>
Reply-To: geertj@ica00.ica.philips.nl (Geert Jan de Groot)
Organization: Philips TDS, Innovation Centre Aachen
Lines: 9
Posted: Tue Aug 14 23:21:35 1990

In article <43944@apple.Apple.COM> chuq@Apple.COM (Spot the Wonder Dog) writes:
>   Do you know what % of the
>general poplace is involved in Amateur there? It'd be fascinating to compare
>how many per thousand are amateurs there with over here.

I only know for the Netherlands: About 15 million people in Holland,
about 15 thousand licensees, that makes 1 per 1000.

73 Geert Jan, PE1HZG

From 6836444157129019125
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0d58fdc0655c6d0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 05:22:48 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!dali.cs.montana.edu!milton!uw-

beaver!ubc-cs!alberta!herald.usask.ca!weyr!katz
From: katz@weyr.FIDONET.ORG (SYLVAN KATZ)
Newsgroups: rec.ham-radio
Subject: E-QSL'S - "Electronic QSL's"
Message-ID: <765.26C8E756@weyr.FIDONET.ORG>
Date: 14 Aug 90 15:35:41 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 12
Posted: Tue Aug 14 16:35:41 1990

John could you possibly supply the algorithm for the technique of
encrpytion which you menyioned in your note. I think it would be
interesting to start getting some algorithm ideas happening.
73's - VE5ZX (op syl) - soon to be G0/VE5ZX

```
--
Sylvan Katz             Ham:       VE5ZX
203 Ball Crescent       UUCP:      ...!alberta!dvinci!weyr!katz
Saskatoon, Sask         Internet:  katz@weyr.FIDONET.ORG
Canada S7K 6E1          Ham bands: below 14.025/21.025/28.025 @ 0100-0300Z
(306) 934-3168
```

From -3665693202389412399
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,319ef0d1f902729f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 06:02:15 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!sulaco.enet.dec.com!judice
From: judice@sulaco.enet.dec.com ("Lou Judice, 908-562-4103 14-Aug-1990 1625")
Newsgroups: rec.ham-radio
Subject: NJ Scanner Law Update (Keep Cards and Letters Coming)
Message-ID: <9008142027.AA17001@decpa.pa.dec.com>
Date: 14 Aug 90 20:27:21 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 38
Posted: Tue Aug 14 21:27:21 1990

The latest word on the NJ Scanner Law is that it will not be considered
in the full assembly until after October, and probably November. Input
from Assemblyperson Marlene Lynch Ford is that the more letters the
Law and Public Safety Committee gets the more likely it will pass. This
is DEFINITELY still within grasp, so if you are interested in seeing this
pass WRITE or CALL NOW!!

NJ Law and Public Safety Committee members are:

1. Marlene Lynch Ford (D) (Committee Chairperson)
2611 Spruce Street
Point Pleasant, NJ 08742
(201) 899-1208

2. Frank Pelly (D)
470 Georges Road
North Brunswick, NJ 08902
(201) 249-6666

3. John Girgenti (D)
100 Hamilton Plaza
Room 1403
Paterson, NJ 07505
(201) 345-1422

4. Thomas Shusted (R)
212 Haddon Avenue
Westmont, NJ 08108
(609) 858-4040

5. Gary Stuhltrager (R)
234 South Broad Street
Woodbury, NJ 08096
(609) 853-7868

From 2039759602165779153
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,47032d5854297d5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 06:12:54 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!ucsd!ucbvax!CONSRT.ROK.COM!nix%muppet.decnet
From: nix%muppet.decnet@CONSRT.ROK.COM ("MUPPET::NIX")
Newsgroups: rec.ham-radio
Subject: VAX VMS `decompress' Program?, DECUS files?, Amiga Programs?
Message-ID: <9008142049.AA10839@ucsd.edu>
Date: 14 Aug 90 21:51:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Tue Aug 14 22:51:00 1990

I'd like to pose 3 questions to my fellow INFO-HAMS readers:

1.) Does anyone out there have a VAX VMS compatible program that will de-compress files, such as the archives of "INFO-HAMS"?

Brian Kantor has told me that the archives use a standard UNIX `compress' routine, and I'm hoping that it's a common enough protocol so that there'll be something similar in the `VMS World'.

```
2.) Are there some `VAX people' on the net who may know whether
    we have access to any DECUS (DEC Equip. User Group) files
    via InterNet? Now that I'm having some luck at using `ftp',
    it's getting a bit depressing to find that most of the files,
    that are available while using the "anonymous" UserID, are
    either UNIX or MSDOS-based routines. Surely (!) there MUST
    be some DEC VMS users `out there' (?).

3.) I've run across a few places that have Amiga Computer programs,
    and am wondering where there might be others? Suggestions
    would be appreciated.

Thanks,

Paul Nix (WB5AGF)    InterNet: nix%muppet.decnet@consrt.rok.com


From 6291588608878601285
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b3d188f81cad6de,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,2b3d188f81cad6de,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-08-15 07:09:25 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!news-
server.csri.toronto.edu!utgpu!watserv1!watmath!att!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Data on 10.2808 MHz
Keywords: Data, TDM, SW, military
Message-ID: <1069@tsdiag.ccur.com>
Date: 15 Aug 90 14:09:25 GMT
Organization: CONCURRENT,ENG. SERVICES,OCEANPORT NJ
Lines: 12
Xref: gmdzi rec.radio.shortwave:1857 rec.ham-radio:14014
Posted: Wed Aug 15 15:09:25 1990

I was listening to my newly crystalled Ten-Tec 580D yesterday, and I came
across a digital signal on 10.2808 MHz.  I hooked up my pk-232 and found
it to be a TDM (Time Division Multiplexed) 1:4 signal.  I sucessfully
decoded some information, (I don't want to divulge it's contents) but alas,
it was in French!  Does anyone know where this signal originates and to
whom it belongs?  If you have the proper equipment, it might be interesting
to listen to.  Any help will be greatly appreciated, thank you in advance.
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z


From 4536958980073663604
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e611cef97a739f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 07:33:18 PST
Path: gmdzi!unido!mcsun!uunet!ncrlnk!ncrstp!npdiss1!montague
From: montague@npdiss1.StPaul.NCR.COM (John Montague)
Newsgroups: rec.ham-radio
Subject: Re: What have you done to help the hobby?
Message-ID: <161@npdiss1.StPaul.NCR.COM>
Date: 15 Aug 90 14:33:18 GMT
References: <14568@shlump.nac.dec.com>
Reply-To: montague@StPaul.NCR.COM (John Montague)
Organization: StPaul
Lines: 11
Posted: Wed Aug 15 15:33:18 1990

In article <14568@shlump.nac.dec.com> magid@select.enet.dec.comJoel Magid...)
writes:

```
>
>    Communicator Class ----- ALL Privs above 30Mhz  NO CODE
>    Novice Class             Current Privs          CODE 5 WPM
>    NEW CLASS                ALL Privs              CODE 5 WPM
>
>    ALL Tech,General, Advanced and Extra would become this NEW CLASS
```

A good choice for "NEW CLASS" is "Amateur Class"

```
John Montague             montague@StPaul.NCR.COM        W0RUE@WB0GDB
```

From 137320245919161017
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,438468d54299272d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 08:08:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!aplcen!uunet!rayssd!raybed2!ewb
From: ewb@raybed2.msd.ray.com (EUGENE BALINSKI)
Newsgroups: rec.ham-radio
Subject: DR 570 Sensitivity Measurements
Message-ID: <1719@raybed2.msd.ray.com>
Date: 15 Aug 90 15:08:09 GMT
Organization: Raytheon Co., Tewksbury, Mass.
Lines: 62
Posted: Wed Aug 15 16:08:09 1990

My friend Ed Brown KB1MZ made these measurements on his DR-570. He bought
it new at HRO in Salem N.H., and is very happy with it. Any comments or
questions should be directed to him at brown@stereo.enet.dec.com. Enjoy.

```
                                                        73
                                                    Gene WA1UXA
```

****

Subject: DR570T sensitivity testing

ALINCO DR-570T Dual Band Transceiver RX Sensitivity Testing

"Min" is minimum readable signal (a SWAG) 1-9 and "over" are LCD S-meter indications.) means all segments off.

Squelch settings - to open squelch:

147.045 MHz Minimum "loose" -127 dBm
12:00 position -120 dBm
Maximum "tight" -117 dBm

448.200 MHz Minimum "loose" -123 dBm
12:00 position -117 dBm
Maximum "tight" -115 dBm

VHF: FREQ LCD "S-Meter" Indication (0 is no segments lit)

MHz	OVER	9	7	5	3	1	0	Min
130	-89	-90	-96	-100	-103	-106	-112	-125
135	-90	-91	-97	-101	-104	-108	-113	-126
140	-90	-91	-97	-101	-104	-108	-113	-126
145	-91	-92	-98	-103	-106	-109	-114	-127
147	-91	-93	-99	-103	-106	-109	-113	-127
150	-92	-93	-99	-104	-106	-110	-115	-127
155	-91	-93	-99	-103	-107	-110	-115	-126
160	-91	-93	-98	-103	-106	-110	-114	-125
162	-90	-92	-97	-101	-105	-109	-113	-124
165	-89	-90	-96	-100	-103	-108	-112	-123
170	-87	-88	-94	-99	-103	-107	-111	-122

UHF: FREQ LCD "S-Meter" Indication (0 is no segments lit)

MHz	OVER	9	7	5	3	1	0	Min
420	-38	-39	-42	-44	-46	-50	-54	-67
425	-51	-52	-56	-58	-60	-63	-67	-80
430	-66	-68	-72	-74	-76	-78	-82	-96
435	-84	-85	-88	-90	-93	-96	-100	-114
440	-94	-95	-99	-101	-104	-106	-111	-123
445	-95	-97	-100	-103	-105	-107	-112	-126
448	-97	-99	-101	-104	-106	-109	-114	-127
450	-96	-98	-101	-103	-106	-108	-112	-126
455	-83	-85	-88	-90	-92	-95	-99	-114
460	-70	-71	-74	-77	-79	-82	-87	-102

465	-59	-60	-63	-65	-68	-70	-75	-90
470	-47	-48	-52	-54	-56	-58	-63	-78

From 1725107481471811629
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,313f69958ed2879b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 08:24:00 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!qualcom!fpa
From: fpa@qualcom.qualcomm.com (Franklin Antonio)
Newsgroups: rec.ham-radio
Subject: Re: InstantTrack V0.85c
Message-ID: <2992@qualcom.qualcomm.com>
Date: 14 Aug 90 17:21:08 GMT
References: <26c4cc40-494rec.ham-radio@vpnet.chi.il.us>
Reply-To: antonio@drzeus.qualcomm.com (Franklin Antonio)
Organization: Qualcomm Inc., San Diego, CA
Lines: 22
Posted: Tue Aug 14 18:21:08 1990

In article <26c4cc40-494rec.ham-radio@vpnet.chi.il.us> johns@vpnet.chi.il.us (John R. Scherer) writes:
>I have been playing arround wint InstantTrack V0.85 for several weeks now and
>I think this program is tops for a PD program..
>on thing.. Where can I find out more about the sats that I load into this
>program..??

Glad you like IT.

InstantTrack is not public domain. It is however available, for a small donation, from AMSAT. AMSAT is a non-profit, and mostly volunteer, organization that builds and launches amateur radio satellites.

Version 0.85 of InstantTrack is not a released version. It was a beta-test only version distributed to a limited number of people over a year ago. It should not be distributed, as the README file that comes with it clearly explains.

As for information: I suggest you call AMSAT, at 301-589-6062, and become a member. AMSAT's publications are one of the best sources of information about amateur radio related satellites. Purchase a copy of the released version of InstantTrack while you're on the phone. The documentation that comes with IT contains information on many more sources of info.

From 5134881779980520504
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2e6de6ae6e9eecf5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 09:54:51 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!sdd.hp.com!decwrl!ogicse!plains!bezenek

From: bezenek@plains.NoDak.edu (Todd M. Bezenek KO0N)
Newsgroups: rec.ham-radio
Subject: Re: Class
Message-ID: <5546@plains.NoDak.edu>
Date: 14 Aug 90 20:09:54 GMT
References: <9008131332.aa13695@FSAC1.PICA.ARMY.MIL>
Organization: North Dakota State University, Fargo
Lines: 28
Posted: Tue Aug 14 21:09:54 1990

In article <9008131332.aa13695@FSAC1.PICA.ARMY.MIL> cfishman@PICA.ARMY.MIL (Clark Fishman, FSAC-FCD) writes:
>THOUGHTS ON LICENSING
>
>Full credit for this licensing plan is from
>WA2DYA with my full agreement. Simple is best.
>
>Have 3 yes only 3 license classes as follows:
>
>   Novice: Same as now - no change
>
>   Communicator: No CW test , operation on 50 MHz and up - new
>
>   General: 13 WPM CW test plus theory, all bands all modes-
>
>modification to existing class

I agree with the first two, but I just cannot agree with the last.
The best way that I see to support my argument is for me to ask
you to listen to the general class portion of the 20M phone band
on Saturday afternoon. I rest my case.

-Todd
--
Todd Michael Bezenek   Internet: bezenek@plains.nodak.edu
Amateur Radio Station KO0N   UUCP: uunet!plains!bezenek
                                        Bitnet: bezenek@plains
                                                   NU040889@ndsuvm1
This message is proof that higher education still exists in North Dakota.

From -3383871850781746583
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93d87eba737d2493,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 10:05:16 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9008142051.AA24114@tilde>
Date: 14 Aug 90 20:51:13 GMT

Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 33
Posted: Tue Aug 14 21:51:13 1990

From: CPDVAX::DUBE   13-AUG-1990 16:37:56.79
To: TILDE::"info-hams@ucsd.edu"
CC: DUBE
Subj: No-code deja-vu

Phil Howard, still hammering on the code requirement, says that there are other reasons why people don't get into ham radio. He says that the CW requirement is the first big obstacle to be overcome. OK, let's identify some of the other big obstacles. What are they? Technical exams? Rules? Operating practices? Cost of equipment?

I stated once before, and I think it bears repeating: There are bigger reasons for yound people not getting into the hobby than CW. Today there are *many, many* more things for them to be interested in than there were, say, 30 years ago. There are loads of *affordable* options for entertaining hobbies, not the least of which is the TV set. Couple that with the "Nintendo" games. Add computer hobbying. For those who just want to chat, there's CB radio which has no licensing or entry requirements at all! Taken together (and there are certainly more pursuits), these account in large measure for the waning interest as *radio* as a hobby.

I agree with Phil that all the advertising in the world won't make many people buy something they don't want (actually, none will). But it is also true that if people really want something, they will work to get it.

I believe that if amateur radio has a problem with piqueing the interest of youngsters today, it has little to do with the licensing requirements. It has a lot to do with the options they have.

So, Phil, how about your list of things you believe to be big obstacles to entry into the hobby? Something other than CW for a change.

73,   Dube   N5PDK

From 8337954699819695214
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ad89c1ac2a7301aa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-15 10:25:14 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!TRIUMFER.BITNET!MULTI
From: MULTI@TRIUMFER.BITNET
Newsgroups: rec.ham-radio
Subject: Barker and Williamson AP-10 apartment antenna
Message-ID: <90Aug14.184256edt.57709@ugw.utcs.utoronto.ca>
Date: 14 Aug 90 22:28:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU

Organization: The Internet
Lines: 7
Posted: Tue Aug 14 23:28:00 1990

I have had trouble making my B&W AP-10 apartment antenna work on 40 meters. I can tune the resonantor to 1:1 SWR with my KW SUPERmatch antenna tuner, but the antenna radiates like a dummy load. Eight feet of wire stretched across the room loaded with the antenna tuner works way better. Ideas.

Ya'akov Miles,
<multi@triumfcl.bitnet>

From 1405050154778307264
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,878a16e22eb9e9f7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 00:30:11 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes, 8/10/90
Message-ID: <1586@n8emr.UUCP>
Date: 13 Aug 90 01:49:39 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 170
Posted: Mon Aug 13 02:49:39 1990

```
==============================================================
|         Relayed from packet radio via                   |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ RTTYDXA $RTDX0810
RTTY DX Notes, 1of3, 8/10/90

RTTY DX Notes for Weekending 10th August 1990.
Part 1 of 3.
BID: $RTDX0810

The question has arisen, how long is a long time before you receive your QSL card? Well if you are waiting for cards from a DXpedition who worked about 30 or 40,000 contacts, i would say that a wait of about 4 months would be a fair thing. But if you worked a DX station, well that waiting time would depend on the delivery of the logs to his QSL manager. And sometimes the postal service to outlandish places is very slow. But then of course there is the southwestern European station who tells everyone, if you want a QSL, please send green stamps, but he never sends QSL cards. There are all kinds around these days.

```
Our thanks this week go to G0ABI, I5FLN, I5ICY, I5IGQ, JA1BLV, OD5NG,
PA3DEB, TG9VT, UT5RP, VE3XJ, W2JGR, W6/G0AZT and the Tri-State DX
Association VHF packet cluster.  Thank you all for your assistance.
Bandpass:
Friday 3:
UV1AT       14087  at  0203Z
6Y5KW       14083  at  0505Z
R0L/UA6XGL  14087  at  1446Z  QSL
EA8MB       21087  at  1525Z
C31RI       14084  at  2106Z
J42DIO      14089  at  2148Z  QSL/Note
Continued in part 2.
/EX
SB RTTYDX @ RTTYDXA $RTDX0811
RTTY DX Notes, 2of3, 8/10/90

RTTY DX Notes for Weekending 10th August 1990.
Part 2 of 3.
BID: $RTDX0811


Saturday 4:
FM5FA       14077  at  0005Z  ARQ
VU2SJV      14075  at  0201Z  ARQ
J39BS       14089  at  0450Z
YS1RJ       14090  at  0450Z  QSL
TK/DL7HZ    14088  at  0510Z  QSL
TL8GM       14091  at  0613Z
UZ9CWA      14089  at  0650Z
RC8O/UB4MZG 21084  at  1900Z  QSL
VP8BFH      21092  at  1945Z
V21AR       14088  at  2203Z

Sunday 5:
J39BS       14088  at  0248Z
YS1RJ       14087  at  0650Z
FK8BK       14069  at  1135Z  ARQ
PJ2MI       14074  at  1304Z  ARQ
BY1QH       14086  at  1400Z
J28TY       21092  at  1514Z
TG9SO       21087  at  1610Z
VP2V/JH4IFF 21081  at  1652Z  QSL
RC8O/UB4MZG 21086  at  1655Z
5N0ETP      21088  at  1708Z  QSL
J42DIO      21090  at  2214Z
6Y5KW       21084  at  2240Z

Monday 6:
VP2V/JH4IFF 14085  at  0050Z
EA9MY       14093  at  0110Z  QSL
HI8BG       14085  at  0136Z
RB5IO       14092  at  0228Z
FP5DX       14087  at  0310Z
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SV0CR	14078	at	0532Z	
6Y5KW	14083	at	0650Z	
VQ9RB	21087	at	1735Z	QSL
TU1UI	21086	at	1817Z	QSL
J39BS	14092	at	2230Z	

Tuesday 7:

TY1PS	14093	at	0055Z	QSL
VP2V/JH4IFF	14088	at	0115Z	
TA3D	14085	at	0240Z	
V31AR	14074	at	0341Z	ARQ
8P6NR	14090	at	1349Z	
EA6ZP	14090	at	2355Z	

Wednesday 8:

TY1PS	14089	at	0046Z
UZ4FWD	14088	at	0153Z
EA6MQ	14089	at	0513Z
ZD8BOB	21088	at	1907Z
VP2V/JH4IFF	14089	at	2349Z

Continued in part 3.
/EX
SB RTTYDX @ RTTYDXA $RTDX0812
RTTY DX Notes, 3of3, 8/10/90

RTTY DX Notes for Weekending 10th August 1990.
Part 3 of 3.
BID: $RTDX0812

UA3PNN	14090	at	0340Z
UT5RP	14069	at	0345Z
UQ2HO	14089	at	0444Z

QSL Information:

J42DIO will QSL via SV2XYT, Box 10728, Tesaloniki, 54110 Greece.

R0L/UA6XGL QSL via RW3AH.

RC8O/UB4MZG goes to Box 22, Schastie, 348913, Ukaraine.

YS1RJ cards go to Box 792, San Salvador, El Salvador.

TK/DL7HZ cards go to his home address.

VP2V/JH4IFF collects his cards from his home address.

5N0ETP via W6QLQ.

EA9MY via Box 368 Melilla, Spain.

VQ9RB is via WA4DPU.

TU1UI will QSL via WA8ZWR.

TY1PS is Peter Schultz, BP 06-2535, Cotonou, Benin.

Notes Of Interest:

J42DIO is a special call to celebrate 2500 years of a holy city in Macedonia.

JA2NQD will operate from Belau as KC6CW from September 13th to 16th, then from Yap as V63AN from September 16th to 19th. QSL to Box 5, Ninomiya 259-01 Japan. While JH1BNL will operate from the same places at the same time with the calls of KC6DX and V63AR respectively. QSL his operation to Box 73, Okishu 431-31 Japan.

JG1NBD will sign S79 Seyschelles, from September 13th to 17th. QSL to his home call.

JH1QDB, Kuni will sign JD1 from September 23rd to 30th. QSL to his home call.

KU9C, Steve, states that he is willing to act as QSL manager, house keeper, for any RTTY DX station that needs a manager.

GL DE DX1 (VK2SG).

Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA. Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU, or via AMTOR on the VK2AGE APLINK mailbox.

/EX
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From -4197600198078586451
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdd1f7c2d29f4b3c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,bdd1f7c2d29f4b3c,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-08-13 02:26:11 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!apple!apple.com!winter
From: winter@apple.com (Patty Winter)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Interesting posting on ship-to-shore stations

Message-ID: <43895@apple.Apple.COM>
Date: 13 Aug 90 04:00:04 GMT
Sender: winter@Apple.COM
Reply-To: 0004133373@mcimail.com
Organization: Apple Computer Inc, Cupertino, CA
Lines: 269
Xref: gmdzi rec.ham-radio:13890 rec.radio.shortwave:1829
Posted: Mon Aug 13 05:00:04 1990

I found this in comp.dcom.telecom and received the author's permission to repost it to these groups. (He's on the fringes of Usenet and can't easily post items.) He asked me to mention that although he sometimes writes professionally on related subjects, this is just a quick sketch of personal recollections about these stations.

Direct replies should go to Don at his MCI Mail address.

Newsgroups: comp.dcom.telecom
Subject: Coastal Telegraph Stations
Date: 12 Aug 90 00:51:00 GMT

TELECOM Digest   Sat, 11 Aug 90 19:51:00 CDT   Special: Coastal Telegraph

Inside This Issue: Moderator: Patrick A. Townson

Coastal Telegraph Stations [Donald E. Kimberlin]

Date: Thu, 9 Aug 90 09:16 EST
From: "Donald E. Kimberlin" <0004133373@mcimail.com>
Subject: Coastal Telegraph Stations
Organization: Telecommunications Network Architects, Safety Harbor, FL

In article <Digest v10, iss547>, Nigel Allen writes:

>Before INMARSAT began to provide satellite radio service to ships at
>sea, the only way to send a message to a ship was through a coastal
>radio station, either by voice or by telegraph. (I think that teletype
>service was available through Rogaland Radio in Norway, but not in
>North America.) INMARSAT is quite expensive ($12 per minute from
>Canada), but even so coastal radio stations are closing down in the
>U.S.

He further says:

>... Western Union has filed with the FCC to shut down its coastal
telegraph station KFS ... and that ... WPA, WOE, WMH, WSL and KOK
>have already been closed down. No doubt some traffic that formerly

>moved through these stations now uses cellular phones.

And he asks:

>Does anyone know whether there were competitive coastal telegraph
>stations in a given market, or whether such stations had a local
>monopoly?

Well, I have to say "thank you" to Nigel for raising a question near and dear to my heart that caused an excursion back to a comfortable past career. I was prompted to answer the question in part from my personal library and experience, but also to get on the phone to have a very pleasant chat with my old Almer Mater of international shortwave radio, WOM at Ft. Lauderdale, FL. Here's an attempt at summarizing a lot of detail:

While yes, it is true that shore telegraph stations are retiring from the airwaves, and significant shifts are occurring. Maritime Mobile Radio using Medium Frequency and High Frequency radio is, believe it or not, still growing, and MARISAT/INMARSAT are far from supplanting it. And this in spite of some incursions by cellular radio as well.

First, we must make it clear. Until or unless there comes to pass a global form of radiotelephony like Motorola's IRIDIUM proposal, there are vast stretches of ocean reached only by HF radio or INMARSAT. My phone inquiry to WOM found them very aware of these developments, revealing they found that while some ships, mostly supertankers, bought into INMARSAT, the $10 (U.S.) per minute rate compares poorly with the $4.90 per minute of HF radiotelephone, especially because INMARSAT bills from the moment of connection while High Seas (HF) radio makes all calls person-to-person and bills only when the conversation starts. Apparently shipping companies come to this conclusion when they get their bills, and find that a call to the ship's steward for a one-minute talk results in a $100 charge while they wait on hold for him to be paged to the satellite phone!

What the WOM folk knew was that satellite-equipped ships use INMARSAT for hard-copy communications, running not only Telex but even PC's at 64 kilobits off the ship. That's what's killing the shore telegraph stations.

They're not all dead however, just shrinking back to meet reduced demand. For that structural background Nigel asked about, shore radiotelegraph stations in the U.S. grew before there could be any structure to their sub-industry, mostly as "company" stations. For example, the origin of TRT Telecommunications, today in Washington, DC, was as a 1912 ship and shore radiotelegraph operation of the United Fruit Company in Boston, using 1912's "highest tech" to direct shiploads of bananas to the best markets while enroute.

That expanded to using radiotelegraph to the plantations in Central America, and that expanded to TRT becoming the international telegraph (and sometimes international telephone) company of much of Central

America; the entity on the other end of AT&T's point-to-point HF radiotelephone from the U.S. RCA, of course, made shipboard radios for many American-flag ships (remember that David Sarnoff, builder of the RCA empire, was first a Marconi Corp. ship's radio telegrapher.); the result was RCA building a string of shore telegraph stations for its customers. And, the RCA shore stations operated radioteletype as a service to promote sales of shipboard RTTY gear. ITT got into the act by owning Mackay Marine, which competed with RCA for maritime radio equipment and services, and so had a string of stations, too.

There was no territorial or service monopoly. In fact, just the opposite seems to have happened, and caused some significant words in the (U.S.) Communications Act of 1934, to the effect that (sic) radio stations for public correspondence must accept communications and traffic from any mobile station, because the "company" stations had, in fact, refused to answer calls from (even distressed) ships of other companies. What developed from that point was an interesting form of competition of many years' duration. The shore stations did compete with attempts at camraderie and service in ways only telegraphers could understand. Imagine if you can, an unseen, unheard person on shore exuding warmth and personality via a telegraph key ... and they did.

Despite the shrinkage of the number of radiotelegraph shore stations, the remaining ones seem to be enjoying growth by picking up the slack. For example, WPD at Tampa, FL seems to still be going strong, independently owned as it has always been, handing its traffic off as domestic telegram and Telex messages (that have now largely become E-Mail with PCs). One of the other "company stations" that never operated maritime traffic, the Trans-Liberia Radiotelegraph Company (built by Firestone solely to communicate with its plantations in Liberia) seems also to still be in business from Akron, Ohio ... but has been off HF radio for many years, and is now largely a message center with a couple of PCs ... but you could, if you wanted to, send a telegram to Liberia via Trans-Liberia!

As to the telephone business, INMARSAT, as noted, may have made some market, but it seems to be rather insignificant to WOM and it companions. Their market still grows. AT&T has operations at WOO near New York, WOM near Miami and KMI near San Francisco. The single most significant part of the traffic is cruise ships, that enjoy handsome profit margins on phone calls to shore for passengers. It's known that one cruise line tells passengers they are on satellite, and charges $30 per minute, while putting the calls on HF radio (yes, HF can sound mighty good, running SSB radio with Lincompex) where the shore station charges $4.90 less a $1 "commission" to the ship!

The surge of technology has helped, with $800 SSB transceivers, so that small ships and private yachts get on HF radiotelephone, too ... not wanting to pay the price of a satellite shipboard station and then the per-minute rates. They have fueled the surge in minutes, along with ... of all things ... aircraft! The WOM folks handle a fair amount of calls for private aircraft, notably some Venezuelan oil company planes that travel from South America across the Atlantic and Africa to Saudi Arabia. Some few "hep" international airline captains have even found their HF transceiver can get them a phone call to home while crossing the Pacific at 35,000 feet!

The result is that WOM alone of the three AT&T stations is handling about 700 revenue-producing calls a day. And, the traffic of the one privately-owned U.S. station for international telephone traffic, WLO at Mobile, Alabama seems to also be healthy.

The standards bodies seem to sense this growth, for in 1991, the channel assignments for HF maritime radiotelephone use will be restructured again, with narrower channel widths (2.8 kHz) to create more channels.

As mentioned earlier, the sub-industry is restructuring, in some cases with technology old-timers could never comprehend. A major change has been and continues toward automating and reducing overheads by consolidation. As I write this, work is underway to consolidate the control point for NY's WOO in the WOM control room at Fort Lauderdale. Similarly, the local telcos who always ran the medium-frequency (2 mHz) Coastal Harbor operations abandoned them with demonopolization, and WOM took over Miami, Jacksonville and Charleston, SC, running the whole works with the WOM callsign and 10KW transmitters, while the receivers along the shoreline are wired to Fort Lauderdale.

The communications technology behind it is in some ways awesome, in others what we should simply expect. The WOM location in Ft. Lauderdale is 50 miles from its transmitters in Pennsuco, west of Miami, while the actual landline telephone operators all the ships speak to are in Pittsburgh, Pennsylvania! Not such a feat when you find out that the building is also AT&T's fiber POP for Ft. Lauderdale and WOM enjoys its own whole fiber route direct to Pittsburgh! Meantime, control of the transmitters is by PC messages shot around AT&T's packet data net to turn a transmitter on or off or change its antenna ... no clunky old "control circuits" at all; instead messages from a 3B1 UNIX machine (yes, they are planning to get 3B2s) that go on a packet network to be read by similar machines with control interfaces at Pennsuco (and soon, Manahawkin, NJ for WOO ... with KMI's Dixon, CA transmitters a likely addition someday).

And, HF radiotelephone even has its disaster function. During Hurricane Hugo's trip through the Virgin Islands and Puerto Rico last year, the first restoration of telephone connections to the U.S. was from ship radiotelephones there to WOM for several days. Of course, the world gets little news from the networks about such undergirdings of telecommunications. If people had wanted, they could have as well made phone calls into the U.S. telephone network (and thus the world) via WOM in the Mexico City earthquakes. FCC rules do permit doing ANYTHING with a radio transmitter if it is for the safety of life and property ... but that doesn't mean calling to see if Uncle Fred's attic window got broken, it means serious PUBLIC safety.

Oh, the cellular incursion. Yes, it's there, but again not that significant to a growing market. First, cellular of course, reaches only incidentally a few miles offshore. There are automated VHF marine-band dialable shore stations that do reach seaward, but perhaps only 50 miles offshore. Run by a private company in Hollywood, FL, these similarly are remote controlled from that city, even though they range along the whole coast. And, in the Bahamas Islands group there are reported to be two cellular companies among the islands, Cruise-Phone and Boat-Phone. They serve an obvious purpose for boaters sailing among the thousands of Bahamas Islands, but only there.

Growth seems apparent in other areas, too. St.Thomas in the Virgin Islands has HF voice station WAH that is growing, as do several of the other nations' Caribbean islands ... French, Dutch, English and so on. And, of course, around the world, there are the established stations of many nations. The "territorial monopoly" is rather interesting when the Laws of Physics interfere. It's very difficult for nations to legislate what shore station a vessel calls ... even though some do force it economically, witness the Cuban shore stations with their own and Russian ships, plying the same waters, but never getting on the channels of the American stations, even though they easily can.

So, I hope this is the kind of response Nigel wanted. It's a peek into another galaxy of telecomm that most people don't even know exists or thinks is dead is the kind of response you wanted. From the figures I got today, it's another telecom business that grosses at least $15 million a year, and perhaps several times that.

And, since this peek got so long, here's a vignette learned yesterday from the WOM Technical Operator I chatted with. We were comparing stories about handling REAL emergency traffic, as anyone who has done that job has done, as he gave me a real side-splitter.

Seems he worked the third shift for a couple of years, and in the darkest hours of night, traffic tends to be nearly zero. However, one night at 3 AM, he heard a whispering voice on the speaker of his calling receiver saying, "Hello? Is anybody on here?" He lit up a transmitter and answered, whereupon the caller identifed himself as a ship and said, "We are under attack by the Indians!"

What? A ship at sea under Indian attack? What it turned out to be was s small freighter that had run aground on remote shoreline of Nicaragua, and the natives were boarding the ship and stealing everything in sight! Not daunted by this at all, the WOM T.O. called the U.S. Coast Guard District Office to find out what support was available, and within a short time the Nicaraguan National Guard was dispatched to quell the Indian uprising.

If you think, "Having that job must be a ball," you're absolutely right. Many is the time I've thought I should have stayed there. Pity it's only one that employs a handful of people. Oh, it's not a "secret" place although not in tour books. Located at the corner of

State Road 7 and Sunrise Boulevard in Fort Lauderdale, just look up AT&T Company and give 'em a ring if you want to visit!

[Moderator's Note: *Thank you* for a very interesting and informative article. I'm sure you are correct that this is a form of telecommunications very few people know anything about. I hope your article has educated a few of our readers today. PAT]

End of TELECOM Digest Special: Coastal Telegraph Stations
****

```
From 6391819780276618648
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 03:10:12 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: A New War?
Message-ID: <30500678@ux1.cso.uiuc.edu>
Date: 13 Aug 90 07:02:00 GMT
References: <9008101350.AA19126@tilde>
Lines: 30
Nf-ID: #R:<9008101350.AA19126@tilde>:-26:ux1.cso.uiuc.edu:30500678:000:1303
Nf-From: ux1.cso.uiuc.edu!phil    Aug 13 02:02:00 1990
Posted: Mon Aug 13 08:02:00 1990
```

> Phil, you forgot:
>
> -- Morse code is essential for most weak signal communications at VHF
>   and above, with current equipment and techniques. It's also
>   the most cost effective weak signal communications mode with
>   any equipment and/or technique.
>
> I'm sure you don't agree, but you're entitled to your own opinion, even
> if you're wrong.
>
> --
> Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

OK, I forgot that one. Actually I pulled up a list I made a few months ago for this, and that predated when you brought up your issue about the weak signal subbands and CW.

You say that morse code is essential for MOST weak signal communications at VHF. Do you know for a fact that MOST weak signal communications is

done in CW or are you trying to state that morse code is essential even
for those who operate only in SSB?

You say morse code is cost effective. Well I might very well have to agree
with you here. But tell me the justification of why we have to FORCE people
to use it, as opposed to letting them choose for themselves? Maybe I LIKE
to give lots of money to Japanese radio manufacturers.

```
--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.
```

```
From -4769878134522164744
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5757e84f018f2a9f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 03:10:28 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 Filing (yet again)
Message-ID: <30500679@ux1.cso.uiuc.edu>
Date: 13 Aug 90 07:16:00 GMT
Lines: 51
Nf-ID: #R:<9008111329.AA08702@cmr.ncsl.nis:-38:ux1.cso.uiuc.edu:30500679:000:2574
Nf-From: ux1.cso.uiuc.edu!phil    Aug 13 02:16:00 1990
Posted: Mon Aug 13 08:16:00 1990
```

```
> >What this shows is that there may be other reasons for the lack of young
> >hams becoming licensed.  I really cannot say what this is.  It sounds like
> >a reasonable no-code license is available.
>
> Gasp! You mean one of the most rabid no-coders here admitted that the code
> requirement may not be the only reason that young people aren't getting
> into ham radio? Be still my beating heart!
>
..[section moved below]
>
> --
> Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
> jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
> "It's a hardware bug!" "It's a      +--------------------------------------
> software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_
```

A most apt .signature!! Maybe there are TWO PROBLEMS keeping out the young
and the innovative? Maybe there are MORE? I know that the requirement of
code for NON-code-related privileges is a big turn off. I also acknowledge
that other things can be concurrently causing the problem. In fact I am
sure there are other things.

The Morse code exam is not the only ill facing ham radio, it's just ONE.

If we do have a no-code license class, it is obvious we still won't get anyone into the hobby unless we go out and promote it. But at least with a no-code license, the (first) big obstacle is out of the way.

> Maybe, just maybe, the problem lies somewhere else...like we're not
> making ham radio atractive enough to the younger members of society.
> Naw...that's too simple for the no-coders. Must be something else. Let's
> let the lazy types in anyway, and then we'll look for other problems.

Why haven't we been doing this? Haven't we had the opportunity to do this over the many years since ham radio's "growth" has failed to keep pace with the population and use of the radio spectrum. Please read my other posting with the conversation script. The answer is that it is the CODE TEST that has been making it difficult to make ham radio attractive.

If you'd just stop claiming that the only reason people are not getting into ham radio is laziness (there are some of them, though) and start looking at the problem, you'd see that there are other reasons, and many of them as well. Try addressing THOSE issues. If you come up with different solutions, let us know.

All the advertising in the world won't make very many people buy a product they don't want.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 1011087353838076945
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,73313a8d6015bc45,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 04:21:52 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!iilcad.intel.com!avip
From: avip@iilcad.intel.com (avi plotnik)
Newsgroups: rec.ham-radio
Subject: AEA IsoLoop antenna
Message-ID: <9008131101.AA10423@iilcad>
Date: 13 Aug 90 11:01:37 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11
Posted: Mon Aug 13 12:01:37 1990

About a couple of months ago, there were some postings in this group about the AEA IsoLoop antenna, pointing specially to the low quality of the review published in CQ Magazine. Now, does anybody have some first-hand data/operational experience/measurements, etc , such that to get some estimate of the real value of this antenna? I would appreciate some info on this subject.

Thanks in advance,

Avi - 4X6LP

```
From 1639553746620468429
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2a06411596ec9b1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 04:24:13 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!iuvax!
news!cartan!ndmath!nstar!towers!brian
From: brian@towers.UUCP (Brian Murrey)
Newsgroups: rec.ham-radio
Subject: Re: Super Morse 3.11 Program Wanted
Message-ID: <88@towers.UUCP>
Date: 13 Aug 90 05:16:37 GMT
References: <9008021523.AA04786@ucsd.edu> <80@towers.UUCP> <393@hfsi.UUCP>
Organization: The Twin Towers - Indianapolis, IN  USA
Lines: 16
Posted: Mon Aug 13 06:16:37 1990
```

bower@hfsi.UUCP (Michael Bower Comm.) writes:

>If there is aenough interest, is is possible that this could be posted in
>this news group uuencoded?

I can uuencode the ZIP file, and then upload it to the newsgroup. However, the last time someone did this (LOGGER) there were some comments stating that these files shouldn't be distributed in the group. Who do I ask permission to send it via uuencoded messages?

```
--
=======================================================================
: Brian Murrey - KB9BVN - QTH Indpls : Fidonet: 1:231/30 317-882-9330 :
: UUCP:..towers!brian                : Login:Ham Radio  Password:Yagi :
=======================================================================
```

```
From -7547077831260742039
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2a3f790705db39b9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 05:28:59 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!wuarchive!brutus.cs.uiuc.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: DSP (was: Qualification-based l
Message-ID: <30500681@ux1.cso.uiuc.edu>
Date: 13 Aug 90 07:59:00 GMT
References: <26568@usc.edu>
```

Lines: 73
Nf-ID: #R:usc.edu:26568:ux1.cso.uiuc.edu:30500681:000:3949
Nf-From: ux1.cso.uiuc.edu!phil   Aug 13 02:59:00 1990
Posted: Mon Aug 13 08:59:00 1990

> >In article <18230026@hpfcdj.HP.COM>, myers@hpfcdj.HP.COM (Bob Myers) writes:
> >> OK, so CW is "relevant" if you're going to operate in the "weak signal
> >> portion of the band." Now please explain why it is "relevant" to GETTING
> >> A LICENSE in the first place.
>
> It is OBVIOUSLY RELEVANT for any license that grants privelege to
> operate in the weak signal portion of the band. Hence, my comments to

The weak signal portion of the band includes TWO subbands:

1. The CW-only subband (50.0-50.1 and 144.0-144.1)

2. SSB and FM portions.

I will accept that CW skills are relevant for the CW-only portion since that
portion require you to ID in CW as well, and you had better be able to prove
that you can do it, even if your computer dies. But 5 WPM makes it legal.

But the real problem here is with the SSB and FM portions of the weak signal
bands. You keep CLAIMING that it is relevant, and you put forth only one
flimsy argument that operators in these bands need to be able to switch to
CW when you can no longer hear SSB through noise or distortion. This
argument falls apart when you are dealing with people who are motivated to
work weak signal operation in a particular emission mode.

My interest in working weak signal is in seeing how far I can carry voice
or video, NOT in seeing how far I can communicate at all. Granted, YOUR
interest appears to be in the latter. We should be trying to share the
spectrum together. But look at which ONE of is is trying to boot the other
out.

> the FCC regarding their ill advised no-code license, in which I urge
> strongly that the license privilege structure be changed such that only
> licensees who have demonstrated a significant level of proficiency
> (13wpm or better) be allowed to use these sections of the VHF and up
> bands. If the no-code license is created, then no-coders should be
> absolutely forbidden to use these sections of the band. Please note
> that this is not the "not in my neighbourhood" arguement. I'll be happy
> to help any no-coder learn the code, and will welcome them into my
> favourite section of the band when they are competent.

It very MUCH is a "not in my neighborhood" issue. This is EXACTLY what that
term means. You don't want them around you unless they CONFORM to YOUR
particular interests.

> I believe that amateurs should be tested on any modes and/or techniques
> that they are privileged to use. If you can use packet, or rtty, sstv,

> or atv., etc., then you should be tested on these subjects on the exam.

1. This is just not going to be practical. Because the number of areas is large and growing, the number of possible license classes to represent this is staggering. If you have just ONE class of license, and then have CW, packet, rtty, sstv, and atv, and endorsements, then you have 32 different combinations right there.

   The FCC has let it be known that whatever is done, it must work on their existing computer system. That system is programmed to handle 6 different classes and has NO scheme for any sort of endorsements.

2. The fundamental PRIVILEGE is the right to use a radio frequency. If radio worked in such a way that no one could possibly interfere with anyone else, we would not need licenses, or even the FCC. HOW we use that spectrum privilege is really not at issue to WHY we are licensed. A radio signal can potentially cause interference whether it is CW, packet, sstv, SSB, or whatever. Testing people on such things as how TV works, or what packets are, has nothing to do with being able to share the spectrum. These tests are just as irrelevant as the code test. Testing should be strictly limited to fundamentals of radio communication, and be done thoroughly.

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<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From 5014390543686440163
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 05:29:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Coordination lawsuits (was Re: Repe
Message-ID: <30500680@ux1.cso.uiuc.edu>
Date: 13 Aug 90 07:35:00 GMT
References: <CK8&NF-@splut.conmicro.com>
Lines: 83
Nf-ID: #R:<CK8&NF-@splut.conmicro.com>:-28:ux1.cso.uiuc.edu:30500680:000:3899
Nf-From: ux1.cso.uiuc.edu!phil    Aug 13 02:35:00 1990
Posted: Mon Aug 13 08:35:00 1990
```

> (Background: I was president of the Texas VHF-FM Society during the time
> we were being sued.)
>
> We were sued officially because of a choice of wording in an article in
> our newsletter: we said that someone had received a citation from the
> FCC when the letter they had received, which was for all intents and
> purposes a citation, did not include that word.

>
...
>
> We published an article about the situation, and got sued for libel.
> During what settlement discussions we had, though, the plaintiff
> consistently demanded that we reverse our decision and coordinate his
> repeater - a demand we found unacceptable.

While any lawsuit is a serious situation, as Jay points out, this particular case is not exactly typical of the kind of lawsuits I have been hearing might be used as a threat against a coordination group.

First of all, there is a real deterrent here, and that is the deterrent to PUBLISH. This guy technically was not suing you for your role as a coordinator, but rather for your role as a publisher, and then using that suit as a means to try to get something out of you in your role as a coordinator.

> Damages? They can sue for every asset the organization, and its
> individual coordinator(s), have, on the premise that we damaged his
> reputation. The plaintiff in our lawsuit left damages to be soecified at
> the trial, but claimed that we had irreparably harmed his business.

Was the Texas VHF-FM Society incorporated? Every group should be.

What "business" did he claim was harmed? I'm curious.

> Relief? He can demand that the coordinator do things his way.

Even if you were found guilty of libel, I don't see how he can demand that your role as a coordinator, and the public trust in it, be usurped by him for "relief". Relief would be in the form of a retraction, and whatever real damages are caused.

> John's right. Being sued is no picnic. It brought almost all of our
> activities to a screeching halt, because we had to do nothing that would
> jeopardize our position in the suit, or our financial status should we
> lose. We had to be very circumspect in publishing our newsletter and
> discussing the progress of the suit with our members, lest the plaintiff
> hear something he could use against us. We lucked out, in that we were
> represented by a good lawyer, Lanny Priddy, K5LP, who agreed to defend
> us for only his actual costs. The defense could easily have cost us
> thousands of dollars, which we would have been hard-pressed to recover,
> since the plaintiff had little in the way of assets - he had to change
> lawyers once during the progress of the suit because his first lawyer
> hadn't been paid.

What was the outcome of this lawsuit? If this guy had little assets, then what was this "business"? Surely not his repeater?

> Yes, the threat of being sued is a credible deterrent, whether Phil
> thinks it's a copout or not.

I don't deny that it is credible. The copout is when we do absolutely nothing but bow to all threats. At that time, we no longer are making out own decisions, but rather, someone else is making them for us. The problem needs to be worked out.

First of all, I would suggest that a coordination group:

1. Have absolutely NO other interests or positions on anything. If you publish anything, limit it to strictly the issue your organization deals with (coordinating). Don't get into the spectrum planning business. Let that be another organization.

2. Be incorporated in the state you operate in, and limit your coordinations to within that state.

3. Allow anyone with a genuine interest to always work within the organization.

4. By all means make sure the organization retains an attorney or two.

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<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 6071709410632067674
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,825e27e5be81218d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 05:30:33 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!GTE.COM!pescatore_jt%ncsd.dnet
From: pescatore_jt%ncsd.dnet@GTE.COM
Newsgroups: rec.ham-radio
Subject: Low SNR Code Debate: K5ZC is in the numerator
Message-ID: <9008131213.AA28790@bunny.gte.com>
Date: 13 Aug 90 12:13:45 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 51
Posted: Mon Aug 13 13:13:45 1990

Much as I try not to slow down on a highway when passing an accident, I've been trying not to add to the noise in the on-going, very low SNR code/no-code debate. However, K5ZC has recently made some telling remarks that hit my hot button: from the ham as a hobbyist perspective (not as a magazine distributor, national dues charging organization, or any other perspective that will profit from more hams), it looks like we need to decrease the average age of the ham population more than we need to increase the size of the population.

Why? Mainly to assure that in 35 years, when today's average 49 year old hams are croaking left and right, that the hobby that has been a big part of many our lives continues on. No other real reason, though I think it is a lot more fun talking to a 16 year old who is at a high school station than to a 85 year old at a retirement home.

Due to its use of the spectrum, ham radio will and should have barriers to entry. I personally think code is the least difficult of the barriers for primary school age kids to hurdle. I give ham radio presentations to Cub Scouts each year for their communicator badges (how apt!), and they generally are more turned off at a school-like written test than they are at learning code. Most of the people who are turned off by learning code would also have a problem learning a second language; most of the kids of the age that we need to attract to the hobby can pick up Spanish as easily as code.

I was opposed to no-code licensing for the same reason I am opposed to the capital gains tax reduction (pretty deep, huh?): they are both short term fixes applied to long term problems. However, I've sorta changed my mind on the communicator class license. It will probably help to keep us from losing more VHF spectrum, and my morning drive time show group can always go back to 10 FM for commuting blathering if VHF gets out of hand.

But, I am worried that if the new license does lead to an increased ham population we will lose sight of the long term issue of attracting young hams. KE3Z, if you do circulate any of these missives around HQ, I'm afraid the ARRL in particular will forget about the long term problem during the short term euphoria of increased QST subcriptions. When the league committee was working up its position, I send W2GD a note to the effect that no-code wasn't the solution to attracting younger hams, and maybe the league should spend a lot more time sponsoring high school stations and marketing amateur radio towards teens and pre-teens.

Marketing is the key. Apple has done a great job of getting its computers in front of rug-rats who will be decison makers before long. Amateur radio should do the same.

Hey, you guys (generic, non-sexual term) out there who work at game companies: how about a Dr. DX NINTENDO game? My son could learn CW in two days if he had to learn a character to get extra lives in each level of Super Mario Bros 3.

John Pescatore WB2EKK   PESCATORE_JT@NCSD.GTE.COM

From -4986644824200345754
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,97622b342c2acb73,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 07:10:20 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!rutgers!att!cbnewsj!k2ph
From: k2ph@cbnewsj.att.com (The QRPer)
Newsgroups: rec.ham-radio
Subject: mininec3 user manual?
Keywords: where? how?
Message-ID: <1990Aug13.141020.13565@cbnewsj.att.com>
Date: 13 Aug 90 14:10:20 GMT
Organization: QRM Central

Lines: 9
Posted: Mon Aug 13 15:10:20 1990

I was able to snarf the mininec3 program via anonymous ftp.
However, there is no user's manual. Anyone know where I can
obtain a user's manual for this? Thanks in advance.

```
--
=========================================================================
Bob Schreibmaier K2PH  | UUCP: att!oblivion!k2ph or k2ph@oblivion.att.com
AT&T Bell Laboratories | ARPA: k2ph%oblivion@att.arpa
Lincroft, N.J. 07738   | ICBM: 40o21'N, 74o8'W
```

From -2335110542570133007
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3fd72cf84abb6d18,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 07:28:09 PST
Path: gmdzi!unido!mcsun!uunet!samsung!cg-atla!raybed2!ewb
From: ewb@raybed2.msd.ray.com (EUGENE BALINSKI)
Newsgroups: rec.ham-radio
Subject: TS-940 PHASE OUT !
Keywords: TM-231, 431, 531 also
Message-ID: <1715@raybed2.msd.ray.com>
Date: 13 Aug 90 14:28:09 GMT
Organization: Raytheon Co., Tewksbury, Mass.
Lines: 10
Posted: Mon Aug 13 15:28:09 1990

Attention radio shoppers..... Kenwood announced that they are begining a phase
out of the venerable TS-940. No real replacement in that price range
announced. They may not be planning anything in that range assuming that the
950 will pick up the slack. Also the TM-231, 431, 531 are being discontinued
in favor of new models. See QST.

Kenwood also announced a new ultra small HT that looks like a "Space
Communicator". More to follow later......

```
                                                          73
                                                       Gene WA1UXA
```

From -828112319889639156
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5757e84f018f2a9f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 08:29:08 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!
nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 Filing (yet again)
Summary: vidiots

Message-ID: <87@thoreau.nsc.com>
Date: 13 Aug 90 13:37:21 GMT
References: <30500676@ux1.cso.uiuc.edu>
Organization: National Semiconductor, S. Portland, Maine
Lines: 12
Posted: Mon Aug 13 14:37:21 1990

In article <30500676@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
> What this shows is that there may be other reasons for the lack of young
> hams becoming licensed. I really cannot say what this is.

From what I have seen it appears that Nintendo is more fun than Ham Radio.
Kids are NOT going to get interested in Ham Radio unless we have something
which will get, keep and focus their attention. How many kids are still
interested in computer hacking anymore? My guess is that the number is
a lot smaller than 5 to 7 years ago; again, it's a matter of capturing
their attention and we don't have that pearl yet.

Ron K3FR

From -7025677181729464777
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 09:18:25 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!newstop!east!hienergy!jimv
From: jimv@hienergy.East.Sun.COM (Jim Vienneau - Sun Microsystems)
Newsgroups: rec.ham-radio
Subject: Re: A New War?
Keywords: Another Dead Horse
Message-ID: <2384@east.East.Sun.COM>
Date: 13 Aug 90 16:18:25 GMT
References: <202@bongo.UUCP>
Sender: news@east.East.Sun.COM
Reply-To: jimv@east.sun.com (Jim Vienneau - Sun Microsystems)
Organization: Sun Microsystems, Billerica MA
Lines: 14
Posted: Mon Aug 13 17:18:25 1990

>gasping old farts have left to whine about?

>   May I suggest a new cause? How about the Metric system? I am sure
>some of our usual correspondents can generate reams on why its no

Hey, that's a great idea! Let's fill the group with more drival and drive
away the rest of the regular readers. Really, you should be forced to
listen to 14.313 for 48 hours straight for sending this mail!

Jim Vienneau, Sun Microsystems Inc - Billerica, MA
Email: jvienneau@east.sun.com   Amateur Radio: WB1B

Good old Ma Bell (well old anyway): (508)671-0372

From -1351153627847847569
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5757e84f018f2a9f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 09:28:39 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!lavaca.uh.edu!uhnix1!moray!nuchat!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 Filing (yet again)
Message-ID: <SD9&DS_@splut.conmicro.com>
Date: 13 Aug 90 11:56:19 GMT
References: <30500679@ux1.cso.uiuc.edu>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 23
Posted: Mon Aug 13 12:56:19 1990

In article <30500679@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>If we do have a no-code license class, it is obvious we still won't get
>anyone into the hobby unless we go out and promote it. But at least with
>a no-code license, the (first) big obstacle is out of the way.

...and if we promoted ham radio properly, people would want to get into it badly enough that they'd want to learn the code.

This is the fundamental impasse. You claim that your buddy won't get into ham radio because of the code requirement; I see it as he hasn't been properly sold on the whole hobby. I seriously doubt that either one of us will change the other's mind. Unfortunately, the FCC is on your side, and will ignore anything I have to say on the subject. I didn't even bother sending in comments on the NPRM, since they'd just be ignored.

I grieve for what ham radio can be, and what it will become.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
"It's a hardware bug!" "It's a      +--------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_
```

From -6443440558919306264
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84370fad35e9d7f1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,84370fad35e9d7f1,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-08-13 09:33:02 PST

Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: PRO-34 / LM386
Keywords: PRO-34
Message-ID: <3667@radio.oakhill.UUCP>
Date: 13 Aug 90 14:50:05 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 5
Xref: gmdzi rec.ham-radio:13901 rec.radio.shortwave:1834
Posted: Mon Aug 13 15:50:05 1990

The LM386 is made by National Semiconductor. You can get all
the info you need for the National Linear IC Data book. Ask
your local National distributor for a copy.

-Charlie Thompson

From -2254243196919578449
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1006e910312f271f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 10:06:34 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!ucsd!ucbvax!hplabs!hpcc01!hpdmd48!ritchie
From: ritchie@hpdmd48.boi.hp.com (David Ritchie)
Newsgroups: rec.ham-radio
Subject: Re: Any info on 'ROSS'?
Message-ID: <530018@hpdmd48.boi.hp.com>
Date: 13 Aug 90 17:06:34 GMT
References: <646@beguine.UUCP>
Organization: Hewlett Packard - Boise, ID
Lines: 14
Posted: Mon Aug 13 18:06:34 1990

/ hpdmd48:rec.ham-radio / tad@ssc.UUCP (Tad Cook) / 12:01 pm Jul 29, 1990 /
>
>Yes, Ross Distributing Company of Preston, Idaho is a legitimate concern
>selling radio gear. I know several people that have made major purchases
>there, with no complaints. Their prices are often very good. I think
>that they do not accept credit cards, which helps knock a few bucks off
>the price.
>

I have actually been to their store in Preston en route between Colorado
Springs to Boise. It is a downtown storefront in Preston and they do seem
to maintain a large stock of things. They seem to be legitimate.

Dave Ritchie N4DJS

From 6441694668666916951

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2af9bbc0de071f26
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 10:21:18 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!apple!vsi1!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: Signal One Corperation Address ???
Message-ID: <2853@wyse.wyse.com>
Date: 13 Aug 90 17:21:18 GMT
References: <9008120732.AA16199@ucsd.edu>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 24
Posted: Mon Aug 13 18:21:18 1990

In article <9008120732.AA16199@ucsd.edu> RHAREL%FAB8@SC.INTEL.COM ("RICHARD HAREL
") writes:
>When I was in Dayton this year I noticed an HF xcvr which was strikingly
>similar to the ICOM IC-781 at the Hamvention. Does anyone know which came
>first ? Have we begun to copy the Japanese.
>If anyone has the address of Signal One Corp. - I'd appreciate it. I'd
>like to get their catalog on the transciever and put it into my fantasy
>folder.
>73,
>Richard Harel
>4X1DA

Richard,

I'm pretty sure that Signal One has been out of business for something like 10 years. There are a couple folks who service the rigs but the original company is no longer around. If I remember correctly they produced to rigs..the CX-7, then the CX-11. I'd guess the CX-11 was introduced somewhere around 1977. The rig was quite an innovation for its time, and so was the price tag...it has that in common with the IC781 too ;-)

73's de Steve KA6S

From 8305093180702274997
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,40db9f57f77e1234
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 10:27:58 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!maverick.ksu.ksu.edu!
zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!mailrus!c
  ornell!uw-beaver!ubc-cs!alberta!herald.usask.ca!weyr!katz
From: katz@weyr.FIDONET.ORG (sylvan katz)

Newsgroups: rec.ham-radio
Subject: Re: Encoded serial number to replace QSL's to confirm DXCC etc QSOes.
Message-ID: <762.26C79673@weyr.FIDONET.ORG>
Date: 13 Aug 90 17:27:58 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 16
Posted: Mon Aug 13 18:27:58 1990

Good idea Jim. I have now renamed the concept E-QSL or "Electronic QSL". I beleive
that you are right about RS/RST. It seems to me that
amateurs are supposed to experiment with new communication concepts. If
this can get off the ground it might prove interesting. All we need now
is to have some help from a DXpedition and an awarding agency. Also,
there has to be some work done to develop a public domain aglorithm
which can be used. I guess it will also have to certified by an awards
group. Keep your ideas coming.
73's - VE5ZX (op syl) - soon to be G0/VE5ZX

```
--
Sylvan Katz             Ham:       VE5ZX
203 Ball Crescent       UUCP:      ...!alberta!dvinci!weyr!katz
Saskatoon, Sask         Internet:  katz@weyr.FIDONET.ORG
Canada S7K 6E1          Ham bands: below 14.025/21.025/28.025 @ 0100-0300Z
(306) 934-3168
```

From -6322952069473369008
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,982b19aaf085dc27
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 10:54:58 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!uakari.primate.wisc.edu!
sdd.hp.com!ucsd!ucbvax!hplabs!hpcc01!aspen!laubach
From: laubach@aspen.IAG.HP.COM (Mark Laubach)
Newsgroups: rec.ham-radio
Subject: Re: Business -> Residential info help needed
Message-ID: <3080007@aspen.IAG.HP.COM>
Date: 13 Aug 90 17:54:58 GMT
References: <3080006@aspen.IAG.HP.COM>
Organization: HP Information Architecture Group - Cupertino, CA
Lines: 7
Posted: Mon Aug 13 18:54:58 1990

Thanks on the responses I've gotten thus far. So far the most
productive one was that ARRL supplies and information packet on the
issue along with names you can send a letter to at GTE California.
The info packet is in the mail to me as of this morning.

Mark, N3BMN

From -8929221221554264111
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,984e925cb4e702a0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 11:32:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!hplabs!hpcc01!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: PRO-34 Audio Power
Message-ID: <27080001@col.hp.com>
Date: 13 Aug 90 18:32:10 GMT
References: <174@heimat.UUCP>
Organization: HP Colorado Springs Division
Lines: 13
Posted: Mon Aug 13 19:32:10 1990

I'm looking in the National Semiconductor linear catalog and I see that the LM386-1 is rated at 250mW,min and 325mW,typ ... now there is an LM386-3 that will go: 500mW,min and 700mW,typ. That might be one solution.

Another might be to check pins 1 and 8 to see if there is an electrolytic capacitor attached. A 10uF cap here will increase the voltage gain from 20 (nothing connected) to 200 (10uF). Note that increasing the audio gain means a decrease in battery life.

I don't know which version radio shack is selling, but it might pay to go in there and look at the actual device (magnifying glass may be required!).

Ken...

From 4799669710210415678
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,af37e3b5982e17ad,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 13:42:55 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!maverick.ksu.ksu.edu!rutgers!cs.utexas.edu!mailrus!cornell!uw-beaver!ubc-cs!alberta!herald.usask.ca!weyr!katz
From: katz@weyr.FIDONET.ORG (sylvan katz)
Newsgroups: rec.ham-radio
Subject: E-QSL - "Electronic QSL"
Message-ID: <763.26C7967C@weyr.FIDONET.ORG>
Date: 13 Aug 90 20:42:55 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 23
Posted: Mon Aug 13 21:42:55 1990

Great ideas doug. I sure think the idea of DXpeditions sending their computer logs to award agency to be used for conformation is excellent. Also you idea of perhaps having a 'clearing house' which supports many expeditions and rare dx locations which would provide you with a official

confirmation list of you contacts for a small fee is good.
Still I think that experimenting with E-QSL's would be fun. You may be
right about legality of encoding a number - however with the support of
the ARRL/IARU and others this matter could be addressed - successfully,
I think?
Still I think that it may take some time to figure out a suitable
public domain encryption algorithm which will be FAST even on fairly
slow machines will take some time. Then there is the matter of convincing a
DXpedition to take the risk of trying out the idea
will be a separate matter. I suspect that they would have to
solicit the help of a number of Ham Mag's to feature articles which
outline what they are doing. This would mean plenty of forward planning. I sure
would like to hear more of your ideas.
73's - VE5ZX (op syl) - soon to be G0/VE5ZX

```
--
Sylvan Katz             Ham:       VE5ZX
203 Ball Crescent       UUCP:      ...!alberta!dvinci!weyr!katz
Saskatoon, Sask         Internet:  katz@weyr.FIDONET.ORG
Canada S7K 6E1          Ham bands: below 14.025/21.025/28.025 @ 0100-0300Z
(306) 934-3168
```

From -6407249125472657217
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7b2496638191640,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 15:03:20 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!maverick.ksu.ksu.edu!rutgers!cs.utexas.edu!mailrus!cornell!uw-beaver!ubc-cs!alberta!herald.usask.ca!weyr!katz
From: katz@weyr.FIDONET.ORG (sylvan katz)
Newsgroups: rec.ham-radio
Subject: E-QSL's - "Electronic QSL's"
Message-ID: <764.26C79682@weyr.FIDONET.ORG>
Date: 13 Aug 90 22:03:20 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 43
Posted: Mon Aug 13 23:03:20 1990

[NOTE: Message modified, 13 Aug 90 16:10:27]
> In article <1250211@hpnmdla.HP.COM> dougb@hpnmdla.HP.COM
> (Doug Bender) writes: >The solution you describe in which
> encryption is involved is illegal >in the United States --
> no encryption on the amateur service.

>
> I disagree. The rules prohibit the hiding of information -
> they do not ban the use of cryptography purely for
> authentication purposes.

>

> For example, you might issue a confirmation consisting of a
> QSO number, callsign, time and date, in both plaintext and
> ciphertext. Only the issuer could have generated the
> ciphertext that corresponds to the known plaintext, but
> since the plaintext is already sent over the air nothing is
> hidden. A public key scheme would be much better here,
> since it would eliminate ANY possibility of hiding
> information (anyone could verify an authenticator, even
> though only the originator could have generated it).

>
> Of course, to make any such scheme cryptographically secure
> it would have to consist of at least 64 bits of both
> plaintext and ciphertext. And given the speed and accuracy
> of most CW QSOs I doubt that many of the contest ops would
> go for such a scheme...

Perhaps a 64 bit encipher coded is not need to E-QSL - Electronic QSL's got an ideas?
I suspect that the level of security required to make an E-QSL
confirmation good enough for an award would be minimal. Perhaps
a 16 bit encipher code would be adequate. It would run faster and be
shorter to send.

73's - VE5ZX (op syl) - soon to be G0/VE5ZX

```
--
Sylvan Katz              Ham:       VE5ZX
203 Ball Crescent        UUCP:      ...!alberta!dvinci!weyr!katz
Saskatoon, Sask          Internet:  katz@weyr.FIDONET.ORG
Canada S7K 6E1           Ham bands: below 14.025/21.025/28.025 @ 0100-0300Z
(306) 934-3168
```

From 6662400453334478844
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36479d10cc463300
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 16:44:43 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Re: R L Drake (really: US Ham Manufacturers)
Message-ID: <1250214@hpnmdla.HP.COM>
Date: 13 Aug 90 23:44:43 GMT
References: <3140002@hpcvts.cv.hp.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 13
Posted: Tue Aug 14 00:44:43 1990

I worked for Drake from 1976-1979. At that time, they were still
manufacturing ham equipment. The competition from the Japanese was

intense, but they were still making a modest profit.

Not long after I left, they decided to ratchet up the profit margin by dumping Amateur Radio and going into the Satellite TV Receiver business. They were quite successful at it.

Last I heard, that's what they are still doing. They do still service the old ham gear. Prices are fair and service is good, from what I hear.

Al N1AL

From -5278955259926305408
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 19:27:55 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!hplabs!hpfcso!hpfcdc!richard
From: richard@hpfcdc.HP.COM (Richard Artz)
Newsgroups: rec.ham-radio
Subject: Re: A New War?
Message-ID: <7880247@hpfcdc.HP.COM>
Date: 14 Aug 90 02:27:55 GMT
References: <9008101350.AA19126@tilde>
Organization: HP Fort Collins, Co.
Lines: 22
Posted: Tue Aug 14 03:27:55 1990

Phil, KA9WGN, writes:

>And now for the rebuttal:
[deleted]
>   Since many people intend to not ever use Morse Code, then it is just as
>   unrelated to them as learning how to drive a team of horses or pilot an
>   oil tanker around ocean reefs.

If only third-mates could pilot tankers, maybe 5-million-plus gallons of oil wouldn't be missing at the bottom of the Valdez bay. :-)

When I was in my teens, I learned how to pilot a ship. That knowledge is fairly useless to me here in Colorado. But what the hey, most things in life are useless or unrelated -- at least that's what people often say.

Hmmm, I do know how to ride a horse, maybe next summer I should learn how to hitch a team. Oh no, I just remembered, I don't like picking their hooves, yea that's right, picking the rocks and stuff from their hooves before riding is a real pain. Yea, there should be a no-pick license for horse-back riding. Yea, that's the ticket :-)

 Richard Artz / N0LZR / richard@hpfcww.fc.hp.com

From -1924215876125260064
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e15021f72d925ca
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 19:48:13 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: Iridium Cellular Service
Message-ID: <208@bongo.UUCP>
Date: 14 Aug 90 02:48:13 GMT
References: <631@entec.Wichita.NCR.COM> <1990Aug9.123238.4911@ameristar>
<287@ultrix.uhasun.hartford.edu>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 26
Posted: Tue Aug 14 03:48:13 1990

In article <287@ultrix.uhasun.hartford.edu>, jbloom@uhasun.hartford.edu (Jon Bloom) writes:
> In article <205@bongo.UUCP>, julian@bongo.UUCP (Julian Macassey) writes:
> >
> > So yes, our internationally (as in WARC, ITU, CCIR) understood
> > purpose is education and training. I really feel that the ARRL needs
> > to get a grip on this.
>
> Julian, can you provide a reference to the ITU document(s) that state
> that emergency communications is no longer a facet of amateur radio?
> I must have missed them.
>

Mr. Bloom,
If you read my posting carefully you will see that I did not say
emergency communication had been removed. I said education and training
are part of international documents. Seeing as you want to put words in
my mouth, I will add that I am not aware that emergency comms are
mentioned in international docs. But you would know all that, because
you have access to a library that my fees pay for.

While I have your attention, let me say that I do not appreciate your
snide comments to me on an open forum. Also I am somewhat annoyed that
I should have to put up with impertinence from someone who is an
employee of an organisation that I support with my fees.

disappointedly yours.
--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From 2399850505846142420
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5757e84f018f2a9f
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-08-13 21:31:12 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!chuq
From: chuq@Apple.COM (Spot the Wonder Dog)
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 Filing (yet again)
Message-ID: <43905@apple.Apple.COM>
Date: 13 Aug 90 15:48:29 GMT
References: <30500676@ux1.cso.uiuc.edu> <KK8&MH-@splut.conmicro.com>
Organization: Third man from the Rhino, the Jungle Cruise
Lines: 18
Posted: Mon Aug 13 16:48:29 1990

jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard) writes:

>Gasp! You mean one of the most rabid no-coders here admitted that the code
>requirement may not be the only reason that young people aren't getting
>into ham radio? Be still my beating heart!

At least there are folks out there, Jay, that not only realize there are problems but are trying to solve them. No-code won't solve all of Amateur's ills by a long shot. There's no quick fix for years of neglect. But it's a start.

--
Chuq Von Rospach   <+>   chuq@apple.com   <+>   [This is myself speaking]

It's a small world, after all!
It's a small world, after all!
It's a small world, after all!
It's a small, small world!

From -3345291539773607981
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7012a6319af35c5b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 21:50:35 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!CONSRT.ROK.COM!nix%muppet.decnet
From: nix%muppet.decnet@CONSRT.ROK.COM ("MUPPET::NIX")
Newsgroups: rec.ham-radio
Subject: Signal One `IC-781' Seen At Dayton This Year
Message-ID: <9008131557.AA03639@ucsd.edu>
Date: 13 Aug 90 16:53:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Mon Aug 13 17:53:00 1990

In a previous message, Richard Harel (4X1DA) mentioned that he had seen at Dayton this year "an HF xcvr which was strikingly similar to the ICOM IC-781". From his next comment, it's obvious that the radio had a Signal One name-tag on it.

I must have seen the same radio; Richard's comments reminded me that, at Dayton this year, my eye had also been caught by what appeared to be an IC-781 in Signal One clothing.

I stopped at Signal One's booth and chatted for a few minutes with the fellow manning it. As best I can remember, what we saw was (for the most part) a repackaged IC-781, that Signal One had contracted for Icom to produce, although I was given to understand that Signal One had Icom code some different software into the machine. I can't remember what (if any) hardware differences there were, between the Signal One version and the IC-781.

The radio was being built in very limited quantities, for some particular application. My recollection is that Signal One had the radio on display more as a `conversation piece', rather than trying to market it to Hamvention attendees. I believe it's price was somewhere in the $15K - $20K range.

Paul (WB5AGF)   InterNet: nix%muppet.decnet@conrt.rok.com

From -3022665308893558618
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5757e84f018f2a9f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 22:23:30 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!chuq
From: chuq@Apple.COM (Spot the Wonder Dog)
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 Filing (yet again)
Message-ID: <43908@apple.Apple.COM>
Date: 13 Aug 90 16:31:58 GMT
References: <30500679@ux1.cso.uiuc.edu> <SD9&DS_@splut.conmicro.com>
Organization: Third man from the Rhino, the Jungle Cruise
Lines: 93
Posted: Mon Aug 13 17:31:58 1990

jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard) writes:

>...and if we promoted ham radio properly, people would want to get into
>it badly enough that they'd want to learn the code.

Some people. More people. Enough people?

>This is the fundamental impasse. You claim that your buddy won't get
>into ham radio because of the code requirement; I see it as he hasn't
>been properly sold on the whole hobby.

Let's take another example. Me. I've been proslytized by some of the best. My radio and TV instructor in college for one. Extra class. Meteor bouncer. Liked to play the world with 100 watts or less. He set up a special novice license class at the school. I'd finished the technical aspects and was at 2WPM when I decided it wasn't worth learning code -- I was having too much fun DXing my shortwave. That was Good Enough for me. Still is. (that was in 1980, by the way. I might point out that less than 50% of the people that started the class finished it. Of 24 folks, 11 got novice tickets, and 13 gave up partway through. 12 of those 13 gave up over code. Code was a problem 10 years ago...).

I've been proslytized since. The folks here at Apple are very open and very positive (Hi, Patty!). Phil and Bob Parnass and many of the folks here on the net set very good examples for Amateur behavior. That's nice. If the code requirement didn't exist, I'd consider joining up.

I bring this up because I am SICK AND TIRED of being called lazy. I am sick and tired of people saying that those of us who haven't learned code are lazy (or stupid, or pick your favorite attitude). I am sick and tired of being told that SWL is a second-rate hobby for folks who can't 'hack' being hams. Remember the SWL wars here before rec.radio.shortwave? Talk about proslytizing the hobby. For every Patty or Phil, there are a number of people who make Ham Radio seem about as interesting as boot camp. The *one* time I was stupid enough to walk into a Ham Radio Outlet here in the Bay Area was more than enough -- as soon as they found out I didn't have a ticket they were downright rude. If I'd been looking for help on getting a novice ticket, that would have been enough to convince me against it. I've listened to 2 Meter. I've listened to a number of the bands. Most of the time, it's rather hard to tell the difference between the annointed hams and the lowly CBers -- lots of noisy, hassling, USENET-like moaning. I should work hard to join up the flame wars that I hear out there? Like, what do I get out there that I don't already get here?

I'm not lazy. I was a month from finishing my code requirement. I could have done it -- I chose not to, and so did 50% of the class I was in. This was a class with a very good and motivating teacher. I can only imagine how well ham radio does under other circumstances (actually, from the statistics, I SEE how well it does).

Amateur radio has a LOT of problems. Code is just one. Worse, it is an arbitrary, unnecessary barrier. Hams should be worried about the state of Amateur radio. Instead, many spend a lot of time building silly, unrealistic excuses about why people don't join up -- if I knew nothing about Ham, I'd think many of them were talking about some kind of mystical religion.

Getting rid of the code barrier is just the first step. That removes that massive psychic wall from around the hobby. Once that's gone, it'll be MUCH easier to convince people to try the hobby -- if you go out and do a good job of convincing. If you don't, you can all sit around and continue making snide comments about us lazy twits who won't join and feel superior to us all you want -- until the hobby withers away and dies from lack of care.

Write me off if you want, Jay -- but I'm the kind of person Amateur radio should be trying to attract. It HAS tried to attract me multiple times and it's come close. But it's also successfully convinced me to spend my time and money and energy elsewhere because of all the hassles and the problems and the attitudes.

My opinion, as an outsider looking in (and as an interested and informed layman) is this: there are LOTS of problems in Amateur. Code is simply one. If all of the problems -- the attitudes and etc -- were magically fixed tomorrow, I'd probably think about learning code anyway. We know that's not even remotely possible. Removing code, however, drops a major barrier that makes the other problems more tolerable -- I'm not going to learn code to get into the problems, but I might choose to tolerate the problems to get to the good parts -- if code wasn't in the way.

There are good sides and bad sides to Amateur. Right now, frankly, the dark side is winning. No-code doesn't change that fight in any way, shape or form. It simply means that I no longer have to climb a cliff simply to get in the fight. Right now, the climb is steep enough that I'm letting the battle rage without me.

--
Chuq Von Rospach   <+>   chuq@apple.com   <+>   [This is myself speaking]

It's a small world, after all!
It's a small world, after all!
It's a small world, after all!
It's a small, small world!

```
From 7522672462905383580
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5757e84f018f2a9f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 22:25:10 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!chuq
From: chuq@Apple.COM (Spot the Wonder Dog)
Newsgroups: rec.ham-radio
Subject: Re: Nintendo more fun than Ham Radio (was Re: My PR 90-55 Filing (yet
again))
Message-ID: <43909@apple.Apple.COM>
Date: 13 Aug 90 16:36:54 GMT
References: <30500676@ux1.cso.uiuc.edu> <87@thoreau.nsc.com> <58881@bbn.BBN.COM>
Organization: Third man from the Rhino, the Jungle Cruise
Lines: 27
Posted: Mon Aug 13 17:36:54 1990
```

chowe@bbn.com (Carl Howe) writes:

>I think you may be on to something here. Perhaps the thing we need to
>get young people into ham radio is a distributed, virtual-reality gaming
>system done via packet radio.

You're treating a symptom and not a disease here. By trying to 'beat' computer games on their own ground, all you'll ever be is a second-rate computer game.

The trick is to not try to compete with computer games by being one, but by convincing people that your own game is even better -- being a Ham. So far, hams have done a pretty poor job of that.

If you're born a banana, you'll never succeed by trying to be a peach -- you'll only be a horrible peach. Better to be the best damn banana in the bunch and convince people that bananas are better.

--
Chuq Von Rospach   <+>   chuq@apple.com   <+>   [This is myself speaking]

It's a small world, after all!
It's a small world, after all!
It's a small world, after all!
It's a small, small world!

From -8780143299242108478
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8f027ff35765ed12
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 22:31:30 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!hplabs!hpcc01!hpbbn!hpbbi4!eugen
From: eugen@hpbbi4.BBN.HP.COM (#Eugen Bauknecht)
Newsgroups: rec.ham-radio
Subject: Re: Noisy fan in Yeasu FT-101E
Message-ID: <2080001@hpbbi4.BBN.HP.COM>
Date: 13 Aug 90 08:51:12 GMT
References: <90Aug10.140150edt.57671@ugw.utcs.utoronto.ca>
Organization: Hewlett-Packard GmbH
Lines: 2
Posted: Mon Aug 13 09:51:12 1990

Change the fan !

From -2873674864638035574
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5757e84f018f2a9f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-13 23:07:26 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!apple!bbn.com!chowe
From: chowe@bbn.com (Carl Howe)
Newsgroups: rec.ham-radio
Subject: Nintendo more fun than Ham Radio (was Re: My PR 90-55 Filing (yet again))
Message-ID: <58881@bbn.BBN.COM>
Date: 13 Aug 90 15:12:58 GMT
References: <30500676@ux1.cso.uiuc.edu> <87@thoreau.nsc.com>

Sender: news@bbn.com
Lines: 37
Posted: Mon Aug 13 16:12:58 1990

rtodd@thoreau.nsc.com (Ron Todd) writes:

>From what I have seen it appears that Nintendo is more fun than Ham Radio.
>Kids are NOT going to get interested in Ham Radio unless we have something
>which will get, keep and focus their attention. How many kids are still
>interested in computer hacking anymore? My guess is that the number is
>a lot smaller than 5 to 7 years ago; again, it's a matter of capturing
>their attention and we don't have that pearl yet.

I think you may be on to something here. Perhaps the thing we need to get young people into ham radio is a distributed, virtual-reality gaming system done via packet radio. Nintendo and Mattel are doing well with regard to commercializing the VR stuff. If we could produce multiplayer gaming systems that connected via ham radio packet nets, I'd bet it would be hard to pry kids away. Witness the interest in multiplayer games on CompuServe.

To keep up the technical aspect, probably the right approach would be to define a multiplayer gaming packet protocol and distribute some sample characters or simulations that any ham could use along with source code. Publish it only on ham bboards at first so that kids become hams before they get access (you want to watch out for kids wanting to jump on without getting their license first).
Kids could then hack the code and try to improve their systems. Of course, some improvements would only be possible with more bandwidth, so some would move up in frequency into microwaves and above. Repeaters and repeater nets dedicated to gaming might result. Come to think of it, if this became popular, it might start crowding voice and normal packet. Hmmm.

Still, this is the sort of application that shows what can be done with computer-to-computer communication and a good multicast medium. And while it is very different from DX, it is very definitely recreational and noncommercial. Sort of like contests with a different thrust.

Carl
WG1V

From -8955756953102580032
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2cd1d9d9671d904
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 03:40:21 PST
Path: gmdzi!unido!mcsun!uunet!tiamat!mjbtn!gsy1!root
From: root@gsy1.UUCP (Scott Yates N4BBB)
Newsgroups: rec.ham-radio
Subject: Re: DOVE Questions
Message-ID: <52@gsy1.UUCP>

```
Date: 14 Aug 90 10:40:21 GMT
References: <4F70BF90EB1F00947B@mbian.gal.utexas.edu>
Organization: Yates Pest Control, Rockvale, TN, USA
Lines: 21
Posted: Tue Aug 14 11:40:21 1990

perry@mbian.gal.utexas.edu (John Perry KG5RG) writes:
>I just heard DOVE on my HT for the first time. It was all packet.
>As I was made to understand, DOVE also carries a voice
transponder. If this is so, is the voice transponder active? What

John, I have been copying the telemetry regularly, and several days ago
a text bulletin was included saying that the voice stuff was pretty close
at hand, and that dove might be off for a while during uploading of the
software.

If you'd like to see some of the telemetry, email me personally, and I'll
send you 20-30k of data.
73

--
Scott Yates, N4BBB    o    o    DOMAIN: gsy@gsy1.JOBSOFT.COM
Yates Pest Control     \  /     UUCP: ....uunet!mjbtn!gsy1!gsy
Rockvale,Tennessee     (OO)     TCP/IP: 44.34.50.24 HAM: n4bbb@ampr.org
Navy MARS  NNN0XRI      <>      VOICE: (615) 274-2156 / (615) 459-2636

            <<< "Bugs Are my Life " >>>


From 3190565272964723971
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36479d10cc463300
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 05:25:00 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!newstop!texsun!letni!merch!cpe!
stevedak
From: stevedak@cpe.UUCP
Newsgroups: rec.ham-radio
Subject: Re: R L Drake
Message-ID: <37400013@cpe>
Date: 14 Aug 90 12:25:00 GMT
References: <3140002@hpcvts.cv.hp.com>
Lines: 19
Nf-ID: #R:hpcvts.cv.hp.com:3140002:cpe:37400013:000:650
Nf-From: cpe.UUCP!stevedak    Aug 14 07:25:00 1990
Posted: Tue Aug 14 13:25:00 1990




>Here is a question I've been pondering for a long time:

>What ever happened to R L Drake company??
```

>Greg, KA7CJA

Drake is still in business, but they no longer manufacture ham equipment. I believe that they mostly build satellite (TVRO) receivers and related hardware now. I know that a couple of years ago they were still offering repair service on the ham gear because a friend of mine sent them an R-4B to be overhauled and aligned. They charged some set fee (eg $100) and did a good quick job. I don't know if this service is still being offered or not. Drake gear is still a pretty good buy from what I've seen.

Steve Dakin
WQ5N

From 398076827666392689
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e15021f72d925ca
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 05:29:49 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!apple!vsi1!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: Iridium Cellular Service
Message-ID: <2852@wyse.wyse.com>
Date: 13 Aug 90 17:15:57 GMT
References: <631@entec.Wichita.NCR.COM> <1990Aug9.123238.4911@ameristar>
<205@bongo.UUCP>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 13
Posted: Mon Aug 13 18:15:57 1990

In article <205@bongo.UUCP> julian@bongo.UUCP (Julian Macassey) writes:
>I have said this before and been shamelessly flamed. I will say it
>again, maybe people will learn to read and ponder not scan and emote.
>Imternationally, the only reason for amateur radio is self training
>and experimentation. In most of the world "H&W Traffic" etc is third
>party and illegal as in "go to gaol".

Yep....true enough...though I wish you'd spell in "jail."

Point is that ISN'T the law in the USA....and we like it that way.

Steve KA6S

From 6686521161135136835
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-08-14 06:12:28 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!elroy.jpl.nasa.gov!ncar!noao!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Coordination lawsuits (was Re: Repe
Message-ID: <2877@anasaz.UUCP>
Date: 13 Aug 90 14:58:08 GMT
References: <CK8&NF-@splut.conmicro.com> <30500680@ux1.cso.uiuc.edu>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 30
Posted: Mon Aug 13 15:58:08 1990

In article <30500680@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:

```
]
]First of all, I would suggest that a coordination group:
]
]1.  Have absolutely NO other interests or positions on anything.
]    If you publish anything, limit it to strictly the issue your
]    organization deals with (coordinating).  Don't get into the
]    spectrum planning business.  Let that be another organization.
]
]2.  Be incorporated in the state you operate in, and limit your
]    coordinations to within that state.
]
]3.  Allow anyone with a genuine interest to always work within the
]    organization.
]
]4.  By all means make sure the organization retains an attorney or two.
]
```

The steps you suggest would help some, but the miscreant can just as easily sue the officers or members of the organization as he can the corporation. At that point, the corporate shield does no good. At least you now see why coordinators have valid reason to fear lawsuits.

The steps you suggest here are expensive. Who pays the freight?

```
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326         Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
```

From 7880880379893473329
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdd1f7c2d29f4b3c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,bdd1f7c2d29f4b3c
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-08-14 07:09:09 PST

Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!val!ben
From: ben@val.com (Ben Thornton)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Interesting posting on ship-to-shore stations
Message-ID: <1990Aug13.185025.9414@val.com>
Date: 13 Aug 90 18:50:25 GMT
References: <43895@apple.Apple.COM>
Organization: Video Associates Labs
Lines: 13
Xref: gmdzi rec.ham-radio:13910 rec.radio.shortwave:1836
Posted: Mon Aug 13 19:50:25 1990

I enjoyed this article tremendously. Thanks to all involved.

It got me to wondering if anyone is familiar with the SITOR and other radioteleprinter fields. I sure would enjoy reading a technical discussion about this.   Any takers?

```
--
This is MY opinion.  My employer can't have any of it....  So there.
Ben Thornton             packet:  WD5HLS @ KB5PM   Internet:  ben@val.com
Video Associates           uucp:  ...!cs.utexas.edu!val!ben
Austin, TX              fidonet:  1:382/40 - The Antenna Farm BBS
```

From -6571616940821612877
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b89fcb7889b6abc1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 09:28:46 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!hellgate.utah.edu!uplherc!wicat!keithm
From: keithm@wicat.UUCP (Keith McQueen)
Newsgroups: rec.ham-radio
Subject: Ft-470 and misc.
Message-ID: <485@wicat.UUCP>
Date: 14 Aug 90 16:28:46 GMT
Reply-To: keithm@wicat.UUCP (Keith McQueen)
Organization: WICAT Systems, Orem, Utah
Lines: 15
Posted: Tue Aug 14 17:28:46 1990

I just got off the phone with a rep from Yaesu. He said that wide band UHF receive on the ft-470 was written out of the ROM on purpose by the Japanese. NUTS!!

I think I'll buy a Kenwood or an Icom next time.

Also the 1-800 number that I used to call has been disconnected.
I had to call the (213)404-2700 number.

```
--
 Keith McQueen, Wicat Systems Inc. , (801)224-6400      | My opinions are |
 N7HMF @ NV7V.UT.USA.NA (84058), 147.34+, 449.675-      | all mine...     |
 UPLHERC!WICAT!KEITHM                                   | ...so there!    |
```

From 7204990914011257780
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 09:42:15 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: A New War?
Message-ID: <26582@usc.edu>
Date: 14 Aug 90 00:49:33 GMT
References: <9008101350.AA19126@tilde> <30500678@ux1.cso.uiuc.edu>
Sender: news@usc.edu
Organization: EE-Systems, USC, Los Angeles
Lines: 37
Posted: Tue Aug 14 01:49:33 1990
Nntp-Posting-Host: pollux.usc.edu

In article <30500678@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>   Phil quoted me, when I said:
>> -- Morse code is essential for most weak signal communications at VHF
>>   and above, with current equipment and techniques. It's also
>>   the most cost effective weak signal communications mode with
>>   any equipment and/or technique.
>
\>You say that morse code is essential for MOST weak signal communications
\>at VHF. Do you know for a fact that MOST weak signal communications is
\>done in CW or are you trying to state that morse code is essential even
\>for those who operate only in SSB?

If you're only having a pleasant chat with your buddies in the next state only 300 or so miles away, then SSB is usually effective, and it is usually used. However, if you are really pushing it, if you are trying to work a new grid, a new state, someone very far away, if band conditions are poor, or if band conditions are good but the station is so far away that the signals are almost buried in the noise, then CW is essential! I am arguing that since the whole point of weak signal communications at VHF and above is breaking records and pushing the state of the art, that CW should be required of all licensees that are permitted to operate in this section of the band. It is a very useful skill (indeed - here it is ESSENTIAL), and reasonable proficiency (~13 wpm) should be absolutely required.

\>You say morse code is cost effective. Well I might very well have to agree
\>with you here. But tell me the justification of why we have to FORCE people

>to use it, as opposed to letting them choose for themselves? Maybe I LIKE
>to give lots of money to Japanese radio manufacturers.

Cost effectiveness is not a justification for the CW requirement being
levied upon licensees granted access to the weak signal portions of the
VHF/UHF/SHF/EHF/etc. bands. It is just additional information that is
relevant to the discussion at hand.

--
Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From -8300755422397123280
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 09:49:20 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: A New War?
Message-ID: <26590@usc.edu>
Date: 14 Aug 90 04:44:54 GMT
References: <1990Aug13.045344.21508@portia.Stanford.EDU> <26584@usc.edu>
<43943@apple.Apple.COM>
Sender: news@usc.edu
Organization: EE-Systems, USC, Los Angeles
Lines: 56
Posted: Tue Aug 14 05:44:54 1990
Nntp-Posting-Host: pollux.usc.edu

In article <43943@apple.Apple.COM> kchen@Apple.COM (Kok Chen) writes:
>So, tell me, how does "your" youngster make his contacts? Why is
>it that "mine" would have to build his or her own rig and yours simply
>go off and operate right after he has learned Morse?

Your youngster doesn't have to build his radio, just his DSP equipment.
Oh, he has to write his own software also. If it will make you feel
beter, I will have my youngster build a morse code key. Commercially
available radios and transverters do not come equiped with either morse
code keys, nor DSP equipment (for receiving very weak signals at very
low baud rates).

>Moreover, you sure chose an arbitrary SNR, didn't you? Want to
>change that to -10 db SNR over a 100 Hz bandwidth and see who gets
>there first?

It was not completely arbitrary. I chose it such that contacts would
not be possible using conventional voice modes like SSB, AM, FM, or ACSB,
and such that contacts would be possible by both CW and DSP techniques.
With your choice, the CW contact is not possible, and the challange is
not fair.

This whole thing is ludicrous. My whole point is that with conventional (readily available) equipment and techniques, CW is indispensible for making weak signal contacts. It is the most cost effective mode with any equipment and/or technique. When CW is not possible, because the signal is below the noise floor, then other techniques should be used. I am not arguing against these techniques; I am only arguing in favour of CW, because of it's simplicity, because of it's great capability, because it is required for most VHF/UHF/EHF/SHF weak signal work, because of it's economy, and because it is very easy to learn. In my mind, CW seems to have a lot going for it.

I have to admit, that when I was first licensed, I thought I would never use CW. I didn't want to learn it. After I got on the air and became proficient (it took about 2 weeks at W8YY, the club station at Mich. Tech. Univ. to get up to about 10 wpm, and another 2 weeks to get up to about 20 wpm), and after I learned how valuable the skill which I acquired was, I changed my mind about the idea of a no-code license.

I am very opposed to allowing the no-coders into the weak signal portion of the VHF/UHF/SHF/EHF bands. It is obvious to me that CW will continue to be used for a very long time, even when the DSP equipment becomes available. I have a feeling that in addition to accurate clocks, good frequency stability will be required. When you're really pushing it, like 76 GHz for example, frequency stability is very hard to come by. On the other hand, it is much easier to generate a signal up there, and to generate a signal at 66 GHz (for example) to mix the received signal down to 10 GHz (for example) where you can work with it. While the stability required for CW will be possible, I doubt that the stability for your DSP techiques will be.

--
Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From 4686814424242103306
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2e6de6ae6e9eecf5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 09:53:34 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!PICA.ARMY.MIL!cfishman
From: cfishman@PICA.ARMY.MIL (Clark Fishman, FSAC-FCD)
Newsgroups: rec.ham-radio
Subject: Class
Message-ID: <9008131332.aa13695@FSAC1.PICA.ARMY.MIL>
Date: 13 Aug 90 17:32:13 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Mon Aug 13 18:32:13 1990

THOUGHTS ON LICENSING

Full credit for this licensing plan is from
WA2DYA with my full agreement. Simple is best.

Have 3 yes only 3 license classes as follows:

   Novice: Same as now - no change

   Communicator: No CW test , operation on 50 MHz and up - new

   General: 13 WPM CW test plus theory, all bands all modes-

modification to existing class

From 2809594351324079494
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fde24db339d4dc91
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 10:56:15 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: Re: DSP (was: Qualification-based licensing)
Message-ID: <18230029@hpfcdj.HP.COM>
Date: 14 Aug 90 17:56:15 GMT
References: <16915@ucsd.Edu>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 47
Posted: Tue Aug 14 18:56:15 1990

>> OK, so CW is "relevant" if you're going to operate in the "weak signal
>> portion of the band." Now please explain why it is "relevant" to GETTING
>> A LICENSE in the first place.

>It is OBVIOUSLY RELEVANT for any license that grants privelege to
>operate in the weak signal portion of the band. Hence, my comments to
>the FCC regarding their ill advised no-code license, in which I urge

Somewhere along the way, my comment regarding typing skills and RTTY was
deleted - so I'll ask the same question in a different way. Of all the
possible operating modes, CW is the *ONLY* one in which applicants are
expected to demonstrate proficiency. Why? You'd have me believe that it's
to guarantee that those operating in the "weak signal portion of the band"
are competent with a key, but I see no reason to believe this - nor do I hear
any reasons on the air. Getting a ham license presently means that a person,
at least at one time, could copy code reasonably well and send likewise.
It by no means guarantees that, once on the air, the licensee will continue
to do so, and it by no means guarantees that the licensee will use his
privileges in ANY mode in a competent and courteous manner. So why do we
single out CW proficiency as the one important factor to test in a new

applicant? I certainly can't justify the practice simply on your desire to cut down on the number of (in your opinion) lids in your favorite slice of the spectrum, especially as there's no reason to believe that the current licensing structure achieves this goal. (If a person really wants to play in the "weak signal/CW" zone, don't you think that they're going to try to operate in a proper manner anyway? And the ones who DON'T care - do you really think that the code test will stop 'em? Is CW some magic test for operators who are "pure and righteous?")

I'll repeat my original example. Say I'm a RTTY fanatic, and I'm fed up with hunt-and-peck artists clogging up the airwaves, leaving no room for me and my buddies to exchange 60 WPM QSOs. Now, using your reasoning, why shouldn't I ask the FCC to require a typing proficiency test of all applicants? After all, they'll have the privileges to operate RIGHT ALONGSIDE OF ME!!! HORRORS!

(I could be nastier and point out that I could grab a $99.95 computer and a decent CW program, and get right into the "weak signal" realm with the best of you - and not even know a lick of CW myself! Why not? Now, if you want to argue against machines taking over the time-honored CW reception chores, then I'll come right back and suggest that we should all be required to copy RTTY or SSTV *by EAR*. Hey, why not?)

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
myers@fc.hp.com                          |  sentient life-form on this planet.
```

```
From 5807418342329984018
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 10:59:18 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: A New War?
Message-ID: <18230030@hpfcdj.HP.COM>
Date: 14 Aug 90 17:59:18 GMT
References: <9008101350.AA19126@tilde>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 10
Posted: Tue Aug 14 18:59:18 1990
```

>--- Morse Code is a tradition in Amateur Radio.

So were spark-gap transmitters.

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
```

```
                  Ft. Collins, Colorado |  those of my employer or any other
myers@fc.hp.com                         |  sentient life-form on this planet.
```

From 1979217904859952074
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a8741d08173f5be5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 12:03:48 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!tekigm2!alanr
From: alanr@tekigm2.MEN.TEK.COM (Alan N Rovner)
Newsgroups: rec.ham-radio
Subject: New Database Program for DXers available.
Keywords: See comp.binaries.ibm.pc net.
Message-ID: <9687@tekigm2.MEN.TEK.COM>
Date: 13 Aug 90 21:45:23 GMT
Organization: Tektronix Inc., Beaverton, Or.
Lines: 16
Posted: Mon Aug 13 22:45:23 1990

I have written a new database program for DXers and other people interested in HF operating called DX Tracker. A demo version of DX Tracker is available from the comp.binaries.ibm.pc net. If you are not familiar with downloading utilities from this net it can be a little confusing. If you can't find anyone at your site who has done it before, send me email and I'll try to help out. As you can tell, this program runs on an IBM PC/XT/AT.

DX Tracker is not a logging or contesting program. It provides many useful statistics for those folks interested in 5BDXCC or 5BWAZ. It is pull-down menu and window driven and allows you to track your country/zone count on CW/SSB for 160-10 meters and much more. Give it a try and see how you like it.

73,
Al Rovner, WA2TMP/7
Tektronix Inc.
Vancouver, Wash.

From -1506210375364965400
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 12:11:22 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: A New War?
Message-ID: <26584@usc.edu>
Date: 14 Aug 90 01:18:43 GMT
References: <30500672@ux1.cso.uiuc.edu> <26567@usc.edu>
<1990Aug13.045344.21508@portia.Stanford.EDU>
Sender: news@usc.edu
Organization: EE-Systems, USC, Los Angeles

Lines: 52
Posted: Tue Aug 14 02:18:43 1990
Nntp-Posting-Host: pollux.usc.edu

In article <1990Aug13.045344.21508@portia.Stanford.EDU> paulf@jessica.stanford.edu (Paul Flaherty) writes:
>In article <26567@usc.edu> kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
>>-- Morse code is essential for most weak signal communications at VHF
>>   and above, with current equipment and techniques. It's also
>>   the most cost effective weak signal communications mode with
>>   any equipment and/or technique.
>
>Implicit in this statement is the assumption that either 1) learning code takes
>no time, or 2) that the time spent does not have any real costs. Since #1 is
>obviously false, you've made a value judgement about how all of us choose
>to spend our time, one that is patently false in my case and in the case
>of most electronics hobbyists.

There is nothing implied in my statement about the initial costs of learning CW! It only refers to making weak signal contacts on the VHF (and above) bands with current equipment and techniques. You are reading something into my statement that isn't there.

Even though I consider "counting the cost" of initially learning CW ludicrous, let me propose a challenge based upon my interpretation of your above statement:

I take one suitably willing 15-25 year old, and teach him CW. Then he makes a simulated contact where a CW signal is only 0.1 dB above the noise floor of the receiver with 2.5 kHz bandwidth.

You take one suitably willing 15-25 year old, teach him all he needs to know about DSP, have him build his DSP equipment, and then make the simulated contact. You can change the bandwidth of the receiver, but then the signal-to-noise ratio of the simulated signal must be scaled appropriately. (I was very generous when I gave you 2.5 kHz!)

Simulated contacts will be used to keep everything on level ground.

My student will be done in short order, while yours will be busy for quite a long time. My point is that if you are going to consider the costs of initially learning CW (which aren't that great - about 15 minutes each day for 2-3 weeks), then you must also consider the costs of learning all of that DSP technology. This body of knowledge is considerable, as demonstrated by the fact that most electrical engineers with a bachelor's degree are probably not comfortable with it.

I will repeat my statement, with emphasis to make sure you understand:
Morse code is essential for most weak signal communications at VHF and above, WITH CURRENT EQUIPMENT AND TECHNIQUES. It's also the most cost effective weak signal communications mode with any

equipment and/or technique.

--
Ken Hendrickson N8DGN/6 kjh@usc.edu ...!uunet!usc!pollux!kjh

From -4155638387612607460
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7012a6319af35c5b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 12:16:04 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!usc!apple!vsi1!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: Signal One `IC-781' Seen At Dayton This Year
Message-ID: <2854@wyse.wyse.com>
Date: 13 Aug 90 19:58:28 GMT
References: <9008131557.AA03639@ucsd.edu>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 11
Posted: Mon Aug 13 20:58:28 1990

In article <9008131557.AA03639@ucsd.edu> nix%muppet.decnet@CONSRT.ROK.COM ("MUPPET::NIX") writes:
>In a previous message, Richard Harel (4X1DA) mentioned that he had
>seen at Dayton this year "an HF xcvr which was strikingly similar
>to the ICOM IC-781". From his next comment, it's obvious that the
>radio had a Signal One name-tag on it.

I seriously mis-read the initial post....that brings up the question
is Signal One back in business? Is it the same company or someone
using the same name?

Steve KA6S

From -1212539655989662246
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5757e84f018f2a9f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 12:16:50 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR/KT)
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 Filing (yet again)
Message-ID: <1990Aug13.233844.18442@NCoast.ORG>
Date: 13 Aug 90 23:38:44 GMT
References: <30500679@ux1.cso.uiuc.edu> <SD9&DS_@splut.conmicro.com>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR/KT)

Followup-To: rec.ham-radio
Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 27
Posted: Tue Aug 14 00:38:44 1990

As quoted from <SD9&DS_@splut.conmicro.com> by jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard):
+---------------
| In article <30500679@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
| >If we do have a no-code license class, it is obvious we still won't get
| >anyone into the hobby unless we go out and promote it. But at least with
| >a no-code license, the (first) big obstacle is out of the way.
|
| ...and if we promoted ham radio properly, people would want to get into
| it badly enough that they'd want to learn the code.
+---------------

You keep claiming laziness, Jay --- but you can only claim laziness if there are other reasons for Morse code. I'm *still* waiting for real reasons....

+---------------
| I grieve for what ham radio can be, and what it will become.
+---------------

I also want to see *proof* of what you claim it "will" become, while I'm tilting at windmills.

++Brandon KB8JRR
(Needless to say, I'm not holding my breath.)
--
Me: Brandon S. Allbery   VHF: KB8JRR/KT on 220 (soon others)
Internet: allbery@NCoast.ORG   Delphi: ALLBERY
uunet!usenet.ins.cwru.edu!ncoast!allbery   America OnLine: KB8JRR

From 2761762821437054722
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,984e925cb4e702a0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 12:16:56 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!bass!ardai
From: ardai@bass.bu.edu (Michael Ardai)
Newsgroups: rec.ham-radio
Subject: Re: PRO-34 Audio Power
Message-ID: <62500@bu.edu.bu.edu>
Date: 14 Aug 90 02:24:52 GMT
References: <174@heimat.UUCP> <27080001@col.hp.com>
Sender: news@bu.edu.bu.edu
Organization: Boston University
Lines: 23
Posted: Tue Aug 14 03:24:52 1990

In article <27080001@col.hp.com> kenw@col.hp.com (Ken Wyatt) writes:

-I'm looking in the National Semiconductor linear catalog and I see that
-the LM386-1 is rated at 250mW,min and 325mW,typ ... now there is an
-LM386-3 that will go: 500mW,min and 700mW,typ. That might be one solution.
-
-Another might be to check pins 1 and 8 to see if there is an electrolytic
-capacitor attached. A 10uF cap here will increase the voltage gain from
-20 (nothing connected) to 200 (10uF). Note that increasing the audio gain
-means a decrease in battery life.

According to the service manual for the PRO-34, they are using the
LM386-1, and have a 2.2uF cap between 1 and 8. If I get a chance,
I may try changing both the chip (to the -3 version) and the cap to
10 uF.

If you own any RS scanners, it is a good idea to get the service manual.
Any store can special-order it for around $10 - $15, and it includes
schematics, board layouts and alignment instructions. (Actually, I
believe you can get service manuals for almost anything they sell...)
/mike
\|/ Michael L. Ardai   ardai@bu-pub.bu.edu
--- --
/|\ ...!sun!teda!ardai (preferred)

From -5587226066915457605
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 12:20:28 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: A New War?
Message-ID: <43943@apple.Apple.COM>
Date: 14 Aug 90 03:22:39 GMT
References: <30500672@ux1.cso.uiuc.edu> <26567@usc.edu>
<1990Aug13.045344.21508@portia.Stanford.EDU> <26584@usc.edu>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 47
Posted: Tue Aug 14 04:22:39 1990

kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:

>I take one suitably willing 15-25 year old, and teach him CW. Then he
>makes a simulated contact where a CW signal is only 0.1 dB above the
>noise floor of the receiver with 2.5 kHz bandwidth.

>You take one suitably willing 15-25 year old, teach him all he needs to
>know about DSP, have him build his DSP equipment, and then make the
>simulated contact. You can change the bandwidth of the receiver, but
>then the signal-to-noise ratio of the simulated signal must be scaled
>appropriately. (I was very generous when I gave you 2.5 kHz!)

>My student will be done in short order, while yours will be busy for
>quite a long time. My point is that if you are going to consider the
>costs of initially learning CW (which aren't that great - about 15
>minutes each day for 2-3 weeks), then you must also consider the costs
>of learning all of that DSP technology. This body of knowledge is
>considerable, as demonstrated by the fact that most electrical
>engineers with a bachelor's degree are probably not comfortable with it.

So, tell me, how does "your" youngster make his contacts? Why is it that "mine" would have to build his or her own rig and yours simply go off and operate right after he has learned Morse?

In a very short time when (not "if", but "when") DSP proliferates in the Amateur community, "my" youngster can become an appliance operator too, and get on the air just as quickly as yours can.

Look, if "your" youngster wants to do marginal SNR CW, he can go learn Morse to his heart's content. No one is stopping him. Some of us just want to let in people who do not want to bother with Morse but can contribute to the advancement of the hobby in other ways.

Moreover, you sure chose an arbitrary SNR, didn't you? Want to change that to -10 db SNR over a 100 Hz bandwidth and see who gets there first? How about -20 db? Unless you know something we don't - if so, I must have wasted quite a few years of my past life solving equations and designing DSP equipment for the SETI program. We should have just built CW receivers instead, eh? We would have been off observing much sooner with CW equipment!

Yeah, I know -- 20 WPM rotted my brains.

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From 4379389601489476362
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5757e84f018f2a9f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 12:20:43 PST
Path: gmdzi!unido!mcsun!hp4nl!phigate!philica!geertj
From: geertj@philica.ica.philips.nl (Geert Jan de Groot)
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 Filing (yet again)
Message-ID: <645@philica.ica.philips.nl>
Date: 14 Aug 90 00:26:41 GMT
References: <30500679@ux1.cso.uiuc.edu> <SD9&DS_@splut.conmicro.com>
<43908@apple.Apple.COM>
Reply-To: geertj@filter.ica.philips.nl (Geert Jan de Groot)
Organization: Philips TDS, Innovation Centre Aachen
Lines: 66

Posted: Tue Aug 14 01:26:41 1990

In article <43908@apple.Apple.COM> chuq@Apple.COM (Spot the Wonder Dog) writes:
>jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard) writes:
>
>>...and if we promoted ham radio properly, people would want to get into
>>it badly enough that they'd want to learn the code.
>
>Some people. More people. Enough people?

I just looked up the figures the Dutch PTT gives about this (dated June 1990).
First: I described our licenses before, but a quick overview can't hurt:
We have 4 types, A, B, C and D. The total number of licensees is 14484.

The D license is the easiest one. It requires a simplified technical test,
no code requirements. D licensees are allowed to work on a part of the
2m band (only the cannelized FM part), using FM only, max 15 W.
There are 2916 D licensees.

The C license the the next one. It requires a stiffer technical test (it's
the same test as for B and A), and no code requirements. It gives all
priveleges above 30 MHz with 30 W max.
There are 6091 C licensees. (that is the highest figure)

The B license requires the same technical test as C, plus 5WPM code.
It gives the same privileges as C, plus full access to 10m, and CW only
access to a subband in the 15 and 80 meter band. Output 30 W above 30 MHz,
100 W in the DC bands.
There are 64 B licensees, so it's not popular apperently.

The A license is the 'highest'. It requires the same technical test as
C, plus 12WPM code. It gives full priveleges on all amateur bands, with
max 100W.
There are 5413 A licensees.

So, we have more code-less licenses as code-full ones. I guess a codeless
license will have success, looking at these figures.

BTW: upgrading from C is easy, just pass a code test to get a higher license.
All licenses are allowed to use some kind of CW, even if the're not tested
on that. D licensees using FM only, of course (FSK, AFSK). I know of people
using this possibility to practice before they take the code test.

Repeaters. Rules are easy: nobody is allowed to run an unattended transmitter.
Repeaters thus require a special license. These licenses are based on
coverage: the whole country is covered, but mostly only by 1 repeater.
We thus can work things out on 8 repeater channels, without subaudio tones.
Of course, closed repeaters are impossible.

Getting younsters in. A local well-known ham has proved several times how
this can be done: he showed what can be done with ham-radio on a school,
got a group together (members are 14-16 years old), gave weekly lessons
on the technical stuff, prepared the people for the exams, and helped

them on their first QSO's, giving them some operating practice.
Result: exam success rate of >90% (C license), and a whole group of
young, enthousiastic people helping each other, building antennas etc
in a group, and _very active_ on the whole spectrum of amateur possibilities.
These people are certainly not the worst kind of people occupying our bands;
I have more problems with some other people, with all kinds of licenses.

So, maybe this inspires you how it can be done. From a European look, the
American code/no-code discussion looks kind of silly.
I hope these figures prove why.

73 Geert Jan, PE1HZG

(the PE1 prefix is class C, if it matters)

From -4601093688253040946
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,40a1853a0dbe5777
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-14 13:23:15 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!cs.utexas.edu!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: More TVI Problems
Message-ID: <7880246@hpfcdc.HP.COM>
Date: 13 Aug 90 22:24:50 GMT
References: <1250213@hpnmdla.HP.COM>
Organization: HP Fort Collins, Co.
Lines: 25
Posted: Mon Aug 13 23:24:50 1990

First, thanks to everyone. There are some good ideas out there.

To clarify, I live in one of THOSE regressive neighborhoods that
consider log-periodic antennas to be an eyesore, rather geometric art.
I barely get by with the Butternut HF6VX, so putting an antenna on the
roof is not possible. Otherwise, I would put the TV antenna below the
ground plane to get rid of all the nasty RF. :-)

I'll try the 300 ohm hp filter to break the coax. I suspect common-mode
on the coax, too. After I made the posting, I was fiddling with the
coax and noticed my balun had a 75/300 switch on it. After putting it
on "75", things improved. How embarrassing.

I don't think it's the 120 VAC, because I can watch a tape on the VCR
without (much) interference. The VCR is a cheap plastic unit (purchased
before I became a ham), but I've gotten good results by stacking it
between a metal-encased tape deck and a metal-encased CD player. I'll
add some more toroids and see if that improves anything.

I'd rather not add a preamp to the soup, because it can go nonlinear. Passive components have their advantages.. The picture is otherwise fine when I'm not transmitting.

Perry/KF0CA

From -2414070758037646974
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8ee3b078e164e3cb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 04:03:14 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 filing
Message-ID: <30500670@ux1.cso.uiuc.edu>
Date: 10 Aug 90 23:39:00 GMT
Lines: 127
Nf-ID: #R:<9008051309.AA00726@cmr.ncsl.nis:-38:ux1.cso.uiuc.edu:30500670:000:5773
Nf-From: ux1.cso.uiuc.edu!phil   Aug 10 18:39:00 1990
Posted: Sat Aug 11 00:39:00 1990

> I suspect that the data, not my lack of rigor, displeases you.
> I don't think I ever claimed that high-tech people are ATTRACTED to ham
> radio by the 13- 20-wpm CW requirement, but I do think that I demonstrated
> that amateur radio technical leaders usually are proficient in CW.
> Are you unwilling to concede this?

What your data shows is that those technically oriented people who have already chosen to go ahead and take CW exam(s) to get an amateur radio license, have a tendency to graduate to the upper levels in a greater proportion than those who are NOT technically oriented.

But your data limits itself to those who are already amateurs. It is limited to what now passes through the narrow filter. It fails to address at all that which is blocked by the filter, namely those who refuse to become amateur radio operators because of the existance of the CW exam.

How many technically oriented people would become amateur radio operators if there is a codeless license class they can use? Statistics that answer that question would be useful. Yours do not, and I'm not sure we can even get such statistics very easily. Since the matter before the FCC deals with instituting a codeless license, statistics that are presented in that matter should relate to the impact of the decision the FCC commissioners are going to be making.

I don't know what else you are trying to say with your statistics.

> I had expected that Technicians would show up in much greater numbers.
> If I had found that any substantial number of the technical leaders were
> Techs or Novices, I would agree that CW is so offensive to techies that they
> just learn the barest minimum CW and it is a serious hurdle. Do you suppose
> that the distribution is bimodal - most high-tech hams find CW no big deal,
> but most high-tech non-hams are kept out of ham radio by the code?

First of all, the "difficulty" of learning the code may not be the basis that is causing technically oriented people from becoming hams. If it were, then I would agree that the random variation of capabilities would more evenly distribute the technically oriented hams over the CW speed ranges. I believe CW is not difficult, especially for technically oriented people. Your statistics and my experience confirm this.

What the problem is with the technically oriented people (and for many others as well) is the PRINCIPLE of having a test for a skill they just have no interest in using, and don't need for what they believe they are interested in doing.

Some technically oriented people will go ahead and learn the code. Some will readily do so because they actually want to use code, or just learn a neat skill. Others will just go ahead and do so because they evaluate the cost of learning a worthless-to-them skill in exchange for the benefit of the privileges and prestige of an amateur radio operator. Still others, however, will look upon the code exam in a negative way. Let me give an example be means of a conversation I had with someone once:

me: To get a ham radio license all you need to do is learn some things to pass some simple tests. You learn how radios work, how radio waves propogate, the FCC rules, and Morse code.

him: They still require Morse code?

me: Sure, but it's not hard to learn; I did it in just a few hours spread over about 4 weeks.

him: Oh, so what did that Morse code that just came over your radio say?

me: I don't know, I forgot my Morse code. I can't do it anymore, and in fact I never could do it that fast.

him: Why did you do forget it? Can't you just get faster with practice?

me: Well, because I am just not interested in Morse code. I am interested in some of the many other things in ham radio.

him: Then why did you bother learning it in the first place? It sure seems silly to learn something you know you are going to just forget.

me: I know, and I agree, but I had to pass it to get my license?

him: Why do they still require that test?

me: Well, there are a lot of reasons, but basically it comes down to the fact that the present hams don't want it removed.

him: Including you?

me: No, not me, in fact I am one of many who are trying to get it removed for at least one license class.

him: Why do the hams who want to keep it think it should be required.

me: You'd really have to ask them. I've seen many reasons.

him: Well, ham radio sure sounds like interesting stuff, but if they want to keep having that Morse code test, I'm not going to bother.

me: Why? It's really not hard at all.

him: Hmmm, maybe not, but it sure seems stupid to require something that you aren't going to use and isn't needed.

me: I agree with you, but are you going to let a little thing like that keep you out of ham radio?

him: Probably. If they still have the test then that means most hams still want it; this is a democracy. I figure until they change it just won't be that fun being a ham.

me: You could become a ham now and swing the balance to help get a codeless license class going?

him: Naw, I'll just wait until better attitudes prevail.

me: But we need you now. We need your electronics background and that kind of stuff.

him: Well, if you do, then change the requirements and get rid of that stupid code test.

me: Do you think it would be too hard to learn? I'll help you.

him: That's not it, it's just the principle of the thing.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 4157288779714857537
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8ee3b078e164e3cb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 04:09:08 PST

Path: gmdzi!unido!mcsun!uunet!midway!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 filing
Message-ID: <30500671@ux1.cso.uiuc.edu>
Date: 10 Aug 90 23:48:00 GMT
Lines: 36
Nf-ID: #R:<9008051309.AA00726@cmr.ncsl.nis:-38:ux1.cso.uiuc.edu:30500671:000:1635
Nf-From: ux1.cso.uiuc.edu!phil   Aug 10 18:48:00 1990
Posted: Sat Aug 11 00:48:00 1990

> The British have issued no-code licences since 1964.   Has their
> no-code licence brought in a lot of techies? I looked through the Feb, Mar,
> Apr, May, Jun and Aug 1990 issues of Rad Com (the main G ham mag) (can't find
> July) and find the following breakdown of authors of their (generally good)
> technical articles:
>   Class A (code)   18
>   Class B (no-code)   1   (~ half of all G's are Class B)
>   Unsigned Q&A Article   1
> Also, the Brits are so concerned about the aging of
> THEIR ham population that they have announced Novice licencing.
> I'm not convinced that the British no-code licence has brought in either:
> 1) lots of young people, 2) lots of high-tech people.

It is hard for me to address this issue because I don't know what form their no-code license class takes.

Does class B allow for ALL privileges that a class A license allows for above 30 Mhz with no exceptions whatsoever?

How many of those 18 authors STARTED with a class B license?

How many of those 18 authors would not have become licensed at all had there been no class B license?

What these statistics COULD show is one or more of:
1. That a no-code license won't attract people.
2. That people end up migrating on up from a no-code license anyway.
3. That the privileges of a no-code license cause inactivity.
4. That the privileges of a no-code license are inadequate.

But which are correct? It will take further statistics and study to determine this.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 5967904510430789650
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8ee3b078e164e3cb
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-08-11 04:28:26 PST
Path: gmdzi!unido!mcsun!uunet!munnari.oz.au!metro!grivel!gordon
From: gordon@grivel.une.oz.au (Gordon Smith)
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 filing
Message-ID: <22@grivel.une.oz.au>
Date: 11 Aug 90 05:23:37 GMT
References: <30500671@ux1.cso.uiuc.edu>
Organization: Uni. of New England, Armidale, Australia
Lines: 19
Posted: Sat Aug 11 06:23:37 1990

In article <30500671@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
> It is hard for me to address this issue because I don't know what form their
> no-code license class takes.

Class A licence is obtained after passing Regs/theory exam and 12wpm code.
Class B licence is as above less code exam.

> Does class B allow for ALL privileges that a class A license allows for
> above 30 Mhz with no exceptions whatsoever?

Yes. The Class B licence is identical to a Class A licence with the addition of the words "those licenced under an Amateur Radio Licence (B) may not transmit on those bands between 1.810 and 29.700 Mhz".

Indeed Class B licencees are permitted to transmit morse but identify by voice.

I started with a no-code licence (GM8IKT) then "upgraded" to class A after a year. My interests were still with 50Mhz and above though. I found CW useful for Aurora-DXing and low signal 144Mhz work.

Gordon VK2DJG/GM4DSZ

From -4712461161751914790
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eb9e2dd73266b01,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 05:25:09 PST
Path: gmdzi!unido!mcsun!uunet!wa3wbu!john
From: john@wa3wbu.UUCP (John Gayman)
Newsgroups: rec.ham-radio
Subject: Keplerians for the Moon
Message-ID: <686@wa3wbu.UUCP>
Date: 11 Aug 90 02:43:40 GMT
Organization: @ WA3WBU, Marysville, PA
Lines: 13
Posted: Sat Aug 11 03:43:40 1990

This has probably been discussed before but..... I've had a request for the Keplerian elements for the Moon. If someone could provide say a 2-line NASA format for the Moon I will pass it along. Thanks.

```
                         John


--
John Gayman, WA3WBU             |           UUCP: uunet!wa3wbu!john
1869 Valley Rd.                 |
Marysville, PA 17053            |           Packet: WA3WBU @ WB3EAH


From 8586971315029798796
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2ca98c66c0876840
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 05:28:48 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!apple!olivea!mintaka!ogicse!plains!
bezenek
From: bezenek@plains.UUCP (Todd M. Bezenek KO0N)
Newsgroups: rec.ham-radio
Subject: Re: CALLBOOK anonymous ftp info needed Down Under
Message-ID: <5462@plains.UUCP>
Date: 11 Aug 90 07:24:06 GMT
References: <1990Aug7.082016.294@darwin.ntu.edu.au>
Organization: North Dakota State University, Fargo
Lines: 17
Posted: Sat Aug 11 08:24:06 1990

In article <1990Aug7.082016.294@darwin.ntu.edu.au> higginbotham@darwin.ntu.edu.au
writes:
>Could someone post whether or not the US and/or foreign
>CALLBOOKS can be obtained by anonymous ftp?  Others
>must have the same question.

Ok, is this serious?  Can I really ftp "the big ones"?  They must be
at least 10Meg each.

Seriously,

Todd
--
Todd Michael Bezenek                    Internet:  bezenek@plains.nodak.edu
Amateur Radio Station KO0N              UUCP:      uunet!plains!bezenek
                                        Bitnet:    bezenek@plains
                                                   NU040889@ndsuvm1
This message is proof that higher education still exists in North Dakota.


From 868205394008858077
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1290b20757f60c65,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 05:28:53 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!snorkelwacker!mintaka!ogicse!
```

plains!bezenek@plains.NoDak.edu
From: bezenek@plains.NoDak.edu (Todd M. Bezenek KO0N)
Newsgroups: rec.ham-radio
Subject: Good callsign or not? KO0N
Message-ID: <5460@plains.UUCP>
Date: 11 Aug 90 06:49:32 GMT
Sender: bezenek@plains.UUCP
Organization: North Dakota State University, Fargo
Lines: 17
Posted: Sat Aug 11 07:49:32 1990

While this newgroup is on the subject of good callsigns (dubious
usefulness that it may have), I would like a few comments about
my callsign: KO0N.

Thank you good or bad,

Todd

p.s. There is a local ham that has the call KE0OP. He ALWAYS id's
as KAY EE ZER-OH PEE, neglecting to discriminate between the "0" and
the "O". Any comments on this?

```
--
Todd Michael Bezenek                  Internet:  bezenek@plains.nodak.edu
Amateur Radio Station KO0N            UUCP:      uunet!plains!bezenek
                                      Bitnet:    bezenek@plains
                                                 NU040889@ndsuvm1
This message is proof that higher education still exists in North Dakota.
```

From 5865373988815434258
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8f4114f4953cc37,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 05:29:11 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!brutus.cs.uiuc.edu!apple!
snorkelwacker!mintaka!ogicse!plains!bezenek@plains.NoDak.edu
From: bezenek@plains.NoDak.edu (Todd M. Bezenek KO0N)
Newsgroups: rec.ham-radio
Subject: extended receive vhf/uhf equipment confiscated?
Message-ID: <5463@plains.UUCP>
Date: 11 Aug 90 07:33:51 GMT
Sender: bezenek@plains.UUCP
Organization: North Dakota State University, Fargo
Lines: 19
Posted: Sat Aug 11 08:33:51 1990

Today I heard a rumor that extended receive vhf/uhf amateur radio
equipment had been confiscated from the vehicles of radio amateurs
in the state of New Jersey. Does anyone know of this sort of activity?

I often wonder what a highway patrol officer would think of my
Kenwood TM-701 dual bander, but I really do not know what would happen

should one of those gentlemen take interest in it.

Note: The TM-701 as modified receives about 135-170 and 435-513 Mhz.

Thanks,

Todd
--
```
Todd Michael Bezenek                  Internet:  bezenek@plains.nodak.edu
Amateur Radio Station KO0N            UUCP:      uunet!plains!bezenek
                                      Bitnet:    bezenek@plains
                                                 NU040889@ndsuvm1
```
This message is proof that higher education still exists in North Dakota.

From -1650205891132534096
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ea87c16018716ecc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 06:53:57 PST
Path: gmdzi!unido!mcsun!uunet!husc6!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: EMP a justification for CW? Dont make me giggle!
Message-ID: <1253@ke4zv.UUCP>
Date: 10 Aug 90 21:25:51 GMT
References: <09.Aug.90.10:00:41.BST.#1077@UK.AC.NWL.IA> <2860@anasaz.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 19
Posted: Fri Aug 10 22:25:51 1990

In article <2860@anasaz.UUCP> john@anasaz.UUCP (John Moore) writes:
>
>Re: EMP as a reason for CW. Well... that's stretching it a bit folks.
>CW IS useful in emergencies, but for more mundane reasons:
>
> (5) It seems to be better than voice for communicating between speakers of
>   different languages.

John, I agree 100% with your EMP posting. I would like to comment about number five on the CW hit parade however. The reason CW appears to be better between speakers of different languages is that the number of words sent is restricted to a small subset of internationally agreed upon signal abbreviations. Once you get beyond "UR 599 HR OM PSE QSL" the language barrier reasserts itself. This is rarely noticed on CW since so few words are exchanged, but quickly becomes apparant on a mode with a higher thruput such as RTTY or voice. Note that RTTY solves the "accent" problem but not the content problem.

Gary

From -5678467138465618944
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75182ac734f6ec04
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 06:54:05 PST
Path: gmdzi!unido!mcsun!uunet!husc6!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Voodoo TV
Message-ID: <1256@ke4zv.UUCP>
Date: 11 Aug 90 01:39:53 GMT
References: <9008100012.AA04190@cmr.ncsl.nist.gov>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 38
Posted: Sat Aug 11 02:39:53 1990

In article <9008100012.AA04190@cmr.ncsl.nist.gov> rc@CMR.NCSL.NIST.GOV (Robert Carpenter) writes:

>
>3) TV sets can easily handle signals on adjacent channels, if their strengths
>are about the same. This how Cable TV channels are set up. 16,17,18,19,etc.

Cable uses a carrier phase lock technique to make this possible. The cross modulation that does exist is not nearly so visible if all the carriers are locked together. This also means, by the way, that the channels are not on their FCC assigned centers, but the AFC in the set can handle it. Generally in the broadcast case signals are coming from various distances and at various strengths so this technique is not helpful.

```
>
>5) There are so many empty UHF channels since the FCC is protecting poor sets
>from all sorts of their own flaws: (from a few-year-old chart)
>IF beat                 20 mi. spacing  8th channel higher & lower
>Intermod                20              2nd thru 5th channel higher & lower
>Adjacent chan.          55              1st channel each side *
>Oscillator radiation    60              7th channel higher & lower
>Sound Image             60              14th channel higher & lower
>Picture image           75              15th channel higher & lower
>* The FCC doesn't make an exception for co-located stations.
```

Signal strength at a given receiver can vary from a millivolt to a few microvolts from one station to another in a market. The FCC spacing rules attempt to give enough protection to the grade A service contours to yield a S/N ratio of at least 42db. Most broadcast equipment is designed to have at least a 60db S/N ratio. Home viewers rarely see this good a picture. Receivers are getting better all the time and the FCC is reviewing the spacing rules in their "dropin" proceeding.

Consider that our coordinating body won't allow adjacent channel (20khz) 2 meter repeaters spaced less than 50 miles apart. Even this spacing causes annoyance to operators using either repeater who happen to live midway between them. Many consumers are unwilling to pay as much for the additional selectivity in their TVs that is offered by our expensive radios. And when they see additional interference, they'll blame it on those darn hams anyway.

Most technical decisions that were made about broadcast TV were driven by the political goal of delivering as many minimally acceptable pictures to the public as possible at the absolute least cost to the consumer. Adding $30 cost to a $69 portable TV so the hams will be happy is not a realistic goal.

Gary KE4ZV

```
From 6292856752506332978
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36479d10cc463300,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 07:01:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!hpcvts!sanker
From: sanker@hpcvts.cv.hp.com (Greg Sanker)
Newsgroups: rec.ham-radio
Subject: R L Drake
Message-ID: <3140002@hpcvts.cv.hp.com>
Date: 11 Aug 90 00:07:50 GMT
Organization: Hewlett-Packard Co., Corvallis, OR, USA
Lines: 21
Posted: Sat Aug 11 01:07:50 1990
```

****
If this made it through the first time, I apologize, I think my first posting didn't make in.
****

Here is a question I've been pondering for a long time:

What ever happened to R L Drake company??

I have a TR4, which is, of course, older than the hills, but is still working fine for everything I do. As a high school kid, I regularly visited the local ham store and dreamed of owning a TR7, which I still would like to own.

Was Drake bought out? Did they 'go under'? or just what happened.

E-Mail or postings invited.

TNX,

Greg, KA7CJA

```
From 5416005094817496846
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5757e84f018f2a9f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 07:10:59 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 Filing (yet again)
Message-ID: <9008111329.AA08702@cmr.ncsl.nist.gov>
Date: 11 Aug 90 13:29:11 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 27
Posted: Sat Aug 11 14:29:11 1990

Regarding the Class B (no-code) licence in Britain, Phil Howard asks:

> Does class B allow for ALL privileges that a class A license allows for
> above 30 Mhz with no exceptions whatsoever?

One exception: (quoted from RSGB 1990 Call Book)
"When using morse code, you [Class B operators] are still required to
identify your transmissions in telephony in the usual way
because your morse cannot be guaranteed to be readable."
There were additional restrictions until perhaps 10 years ago (no use of cw).
I know of no other restrictions on Class B licencees; do any of the G readers
of this net?

> How many of those 18 authors STARTED with a class B license?

This is, of course, impossible for me to determine in the general case.
HOWEVER, the calls of the authors of half the "Class A" articles show they were
licensed before the first British no-code license was issued in 1964. Now you
see why the worry about an aging ham population. At the present, no-code calls
are being issued at about twice the rate of Class As (and the Class As
include all upgrades, since a new call is issued).

> How many of those 18 authors would not have become licensed at all had
> there been no class B license?

See above.

**** rest of Phil's message deleted ****

Hope you disinterested people haven't reached this far in this posting.
73, Bob W3OTC

From -6767998225833734290
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ea87c16018716ecc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 12:06:48 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!harris.cis.ksu.edu!mac
From: mac@harris.cis.ksu.edu (Myron A. Calhoun)

Newsgroups: rec.ham-radio
Subject: Re: EMP a justification for CW? Dont make me giggle!
Summary: I can.
Keywords: emergency operation
Message-ID: <1990Aug11.172750.8977@maverick.ksu.ksu.edu>
Date: 11 Aug 90 17:27:50 GMT
Expires: 25 August 1990
References: <09.Aug.90.10:00:41.BST.#1077@UK.AC.NWL.IA>
Sender: news@maverick.ksu.ksu.edu (The News Guru)
Organization: Kansas State University, Dept. of Computing and Information Sciences
Lines: 28
Posted: Sat Aug 11 18:27:50 1990

In article <09.Aug.90.10:00:41.BST.#1077@UK.AC.NWL.IA> PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon") writes:

[several lines deleted]

>How many hams could put a station on the air using no semiconductor devices,
>and powered from auto batteries? Does anyone remember vibrator or dynamotor
>power packs for generating the B+ rail in the good old tube days?
>Has anyone still *got* any of this gear? Does it work?   Mine does.

I can. I keep (and maintain spare parts for) a PAIR of TCS-13 transmitter/receiver units (purchased for $10.51 EACH in their sealed water-proof bags from DoD Surplus in about 1970!) Working with a dynamotor "whining" in the background is interesting, but the TCS cables are pretty long...

Internal mods to both replaced the link coupling with a pi network. Both also have SO-239 connectors. I removed the AM stuff from one transmitter and reworked the circuitry to give about 150 watts CW (the old carbon mikes aren't much good, anyway). 1.5-12 MHz continuous covers 160-, 80-, 40-, and 30-meters.

Real radios glow in the dark.
--Myron.
--
Myron A. Calhoun, Ph.D. E.E.; Associate Professor   (913) 539-4448 home
INTERNET: mac@harris.cis.ksu.edu   (129.130.10.2)   532-6350 work
UUCP: ...{rutgers, texbell}!ksuvax1!harry!mac   532-7004 fax
AT&T Mail: attmail!ksuvax1!mac

From 8466169883152071009
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2cd1d9d9671d904,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 12:08:58 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!mbian.gal.utexas.edu!perry
From: perry@mbian.gal.utexas.edu (John Perry KG5RG)
Newsgroups: rec.ham-radio

Subject: DOVE Questions
Message-ID: <4F70BF90EB1F00947B@mbian.gal.utexas.edu>
Date: 11 Aug 90 17:38:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: PERRY@mbian.gal.utexas.edu
Organization: The Internet
Lines: 23
Posted: Sat Aug 11 18:38:00 1990

I just heard DOVE on my HT for the first time. It was all packet. As I was made to understand, DOVE also carries a voice transponder. If this is so, is the voice transponder active? What times if any does it transmit? I am not set up to receive packet so it would be of more interest to me to hear the voice transponder. If anyone can provide me with more information, I sure would appreciate it!

John Perry KG5RG
University of Texas Medical Branch
The Marine Biomedical Institute
200 University Blvd. H-43
Galveston, Texas 77550-2772
Voice : (409) 761-2124
FAX   : (409) 762-9382

You can send mail to me at any of the following addresses:

DECnet   : MBIAN::PERRY
THEnet   : MBIAN::PERRY
Internet : perry@mbian.gal.utexas.edu
SPAN   : UTSPAN::UTADNX::MBIAN::PERRY

From 904250110030417563
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,40db9f57f77e1234
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 13:11:48 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!ccu.umanitoba.ca!alberta!herald.usask.ca!weyr!katz
From: katz@weyr.FIDONET.ORG (sylvan katz)
Newsgroups: rec.ham-radio
Subject: Re: Encoded serial number to replace QSL's to confirm DXCC etc QSOes.
Message-ID: <755.26C4F30C@weyr.FIDONET.ORG>
Date: 11 Aug 90 20:11:48 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 20
Posted: Sat Aug 11 21:11:48 1990

Good to see you got the hang of the idea of encoded serail numbers to confirm exotic dx qso's. I agree it would still enjoyable to collect wallpaper (QSL cards that look pretty or exotic) but with current

technology there is no reason to have to wait upwards of two years for
qsl cards to confirm a badly needed country.
It seems to me part of the fun would be to figure out an algorithm which would do
the job -- and quickly. In addition "electronic QSL
cards" do not require SASES or IRC. For that matter those exotic
DX-expeditions which will not use the buro might welcome something of this
nature. As for the delayed throughput during an expedition - one
could consider it to be similar to a SS/Sprint/WAE, etc contest. It
takes more skill to copy information in addition to a quick rst (Hi!).
Keep those cards and letters (e-mail's) coming.
73's VE5ZX (op syl) - soon to be G0/VE5ZX

--
```
Sylvan Katz            Ham:       VE5ZX
203 Ball Crescent      UUCP:      ...!alberta!dvinci!weyr!katz
Saskatoon, Sask        Internet:  katz@weyr.FIDONET.ORG
Canada S7K 6E1         Ham bands: below 14.025/21.025/28.025 @ 0100-0300Z
(306) 934-3168
```

From 6711138223887203953
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,89e01b5f5ad819c6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 13:31:29 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!PSUARCH.BITNET!PLB
From: PLB@PSUARCH.BITNET ("P Bandini, PSU Arch Dept, 814/863-0062")
Newsgroups: rec.ham-radio
Subject: Yuppies, celltels, hams, etc...
Message-ID: <4F68192E981F00109C@PSUARCH.Bitnet>
Date: 11 Aug 90 17:40:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 37
Posted: Sat Aug 11 18:40:00 1990

I sincerely apologize to all those whose feelings have been hurt by my
recent postings. To my defense, I only have to say that I was not aware
of any "taboo" subjects that may have existed on this net (BITNET) by
open or tacit agreement among its members.
(Brian, can you send me a list of all the do's and dont's... thanks)

I will continue to subscribe and post to this newsgroup as I see fit,
until told otherwise by the ruling authority, or until the noise level will
exceed my disk capacity... I will use more tact, of course, but I will not
cease to look for FACTS.

To those who have written to me privately: thank you. Your comments have
been most helpful in trying to understand your hobby and its position in the
everyday life of many non-hams like me.
I will reply to you individually as time permits.

To Jordan (n5qvi, The Ohm Boy) and Chris J. Davis (chris@locus.com):

Thanks for nothing. I hope you feel better now, having let your frustrations out. Glad to have served as your lightning rod... no need to thank me.

Rest assured that my admiration for those in your hobby who work for its advancement is unshaken. I can still discern between comments made in a dubious state of soberness and the mature, balanced comments made by others.

No, if and when ham radio will "lose" any bands, it will not be because of the presumed yuppies like me (whatever that means), but thanks to the inability of those like you to come to grasp with reality.
You will then have to face your fellow hams... good luck.

Just for the record, and not because it matters that much: no, I did not attend an Ivy League school, and no, I'm not a yuppy (again, whatever that means). I'm ready to bet that you spend more on your radio equipment than I do on my cellular phone...

-P. Bandini
===

From -2434667546853981786
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2920b753575b41de
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,2920b753575b41de
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-08-11 13:35:04 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: English R1 Manual available via anonymous ftp
Message-ID: <26553@usc.edu>
Date: 11 Aug 90 19:45:53 GMT
References: <1990Aug7.231645.12444@portia.Stanford.EDU> <26483@usc.edu>
<KPT.90Aug10101913@dirty.doc.ic.ac.uk>
Sender: news@usc.edu
Followup-To: rec.ham-radio
Organization: EE-Systems, USC, Los Angeles
Lines: 25
Xref: gmdzi rec.ham-radio:13856 rec.radio.shortwave:1822
Posted: Sat Aug 11 20:45:53 1990
Nntp-Posting-Host: pollux.usc.edu

In article <KPT.90Aug10101913@dirty.doc.ic.ac.uk> kpt@doc.ic.ac.uk (Kevin Twidle) writes:
>Yes the R1 does have 10 scanning banks with two frequencies, tuning
>step and receive mode settings for each bank

But the R1 doesn't have "banks" for the memories. There should be at least 10 (and maybe more) banks that cover (possibly user settable) contiguous (possibly overlapping) memory channels, so that the memories can be programmed according to services. In this way, one can select whether he wants to listen to 2m, 70cm, the police, fire, etc., without going through all the memories and enabling/disabling each memory; instead the banks are enabled or disabled for scanning.

Icom did a lousy job of designing the user interface for this radio. With the microprocessor power that is available now-a-days, for less than $0.10 (an 8080 with a couple of k would be more than powerful enough), Icom has no excuse for their poor performance. Either they haven't done their marketing research and they don't know what the consumers want (a highly likely possibility), or they can't find competent computer engineers to do this work for them. On the other hand, maybe they know what the customers want, but they are purposely not delivering, in order to have something to do for next month's model. This last possibility, in my mind, is unforgivably despicable.

--
Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

---

From -2624901596237508129
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 13:35:50 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!mailrus!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR/KT)
Newsgroups: rec.ham-radio
Subject: Re: A New War?
Message-ID: <1990Aug11.171302.18578@NCoast.ORG>
Date: 11 Aug 90 17:13:02 GMT
References: <9008101350.AA19126@tilde>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR/KT)
Followup-To: rec.ham-radio
Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 21
Posted: Sat Aug 11 18:13:02 1990

As quoted from <9008101350.AA19126@tilde> by dube@cpdvax.csc.ti.com:
+---------------
| and the only whiniong I have heard regarding no-code is coming from the new
| toots who are too lazy to learn code.
+---------------

I've heard more than that. And precious few reasons for keeping code that don't wind up being what you said above.

Real reasons, please. "I had to, so you have to, too!" doesn't cut it unless it's actually *meaningful* within the hobby --- *all* *parts* of the hobby.

```
For that matter, I haven't seen all that much sense on *either* side of the
debate.  Some, but it's buried in tons of knee-jerk rhetoric.

++Brandon
--
Me: Brandon S. Allbery               VHF: KB8JRR/KT on 220 (soon others)
Internet: allbery@NCoast.ORG             Delphi: ALLBERY
uunet!usenet.ins.cwru.edu!ncoast!allbery    America OnLine: KB8JRR


From -6071258900303751012
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1290b20757f60c65
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 13:35:53 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!mailrus!usenet.ins.cwru.edu!
ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR/KT)
Newsgroups: rec.ham-radio
Subject: Re: Good callsign or not?  KO0N
Message-ID: <1990Aug11.171747.18725@NCoast.ORG>
Date: 11 Aug 90 17:17:47 GMT
References: <5460@plains.UUCP>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR/KT)
Followup-To: rec.ham-radio
Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 14
Posted: Sat Aug 11 18:17:47 1990

As quoted from <5460@plains.UUCP> by bezenek@plains.NoDak.edu (Todd M. Bezenek
KO0N):
+---------------
| p.s.  There is a local ham that has the call KE0OP.  He ALWAYS id's
| as KAY EE ZER-OH PEE, neglecting to discriminate between the "0" and
| the "O".  Any comments on this?
+---------------

Wait until you try to distinguish W8AJR from WA8HAR.  ;-)

++Brandon
--
Me: Brandon S. Allbery               VHF: KB8JRR/KT on 220 (soon others)
Internet: allbery@NCoast.ORG             Delphi: ALLBERY
uunet!usenet.ins.cwru.edu!ncoast!allbery    America OnLine: KB8JRR


From 8009588053058965479
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cb73a1733f9b4d96,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 14:20:45 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!
```

```
ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Getting more people into Amateur Radio
Message-ID: <9008112050.AA14975@tilde>
Date: 11 Aug 90 20:50:27 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 3
Posted: Sat Aug 11 21:50:27 1990

Design and sell a 99.95 rig.  50 to 75 watts, no frills. sell a $49.95 rig

73,    Dube   N5PDK


From 7608726148800194051
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36479d10cc463300
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 15:13:29 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!
decwrl!shelby!portia.stanford.edu!jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: R L Drake (really: US Ham Manufacturers)
Message-ID: <1990Aug11.204547.20759@portia.Stanford.EDU>
Date: 11 Aug 90 20:45:47 GMT
References: <3140002@hpcvts.cv.hp.com>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 12
Posted: Sat Aug 11 21:45:47 1990

During the late 1970s, the Japanese radio companies began marketing HF rigs
much more actively in the US.  With the combined markets of the US and Japan,
they took advantage of the economics of scale, and produced good radios at
a bargain price.  Collins and Drake were producing rigs of better quality,
but they couldn't match the price, as they did not want to market in Japan.
Once the sales of their rigs dipped below a certain level, they bowed out
of the market, proclaiming the market to be too small.  Drake continues to
produce consumer electronics, and Collins (swallowed up by Rockwell) still
produces radios for government and aircraft markets.

-=Paul Flaherty, N9FZX/VK2WYX | "TEXAS! Has a USENET in it... (Lord have Mercy
->paulf@shasta.Stanford.EDU   | on us all!)" -- _The Best Little Net in Texas_


From -8813394705245432989
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 109f45,fdccea044766cd0d,start
X-Google-Attributes: gid109f45,public
X-Google-Thread: 10c9e3,fdccea044766cd0d,start
```

```
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,fdccea044766cd0d,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-08-11 15:43:37 PST
Path: gmdzi!unido!mcsun!ukc!dcl-cs!gdt!ccsis
From: ccsis@gdt.bath.ac.uk (Icarus Sparry)
Newsgroups: talk.politics.mideast,rec.ham-radio,rec.ham-radio.packet
Subject: Any Kuwait support groups?
Message-ID: <1990Aug11.173930.2324@gdt.bath.ac.uk>
Date: 11 Aug 90 17:39:30 GMT
Followup-To: talk.politics.mideast
Organization: University of Bath, England
Lines: 9
Xref: gmdzi talk.politics.mideast:1424 rec.ham-radio:13861 rec.ham-
radio.packet:2653
Posted: Sat Aug 11 18:39:30 1990

Are there any support groups for the families of people who have been
trapped in the conflict in Kuwait? In particular are there any sources
of hard information on what is happening to the people who have been
moved out of Kuwait into Iraq?

Is Kuwait still active on Amateur Radio, or have all the stations been
closed? Is anything coming out of Iraq?

Please send mail, and I will summarize.


From 6533003467101111851
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 22:29:25 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucselx!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <3906@crash.cts.com>
Date: 11 Aug 90 21:56:01 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 20
Posted: Sat Aug 11 22:56:01 1990

phil@ux1.cso.uiuc.edu writes:
>
>> Think of it as a saga of the Old West, ham style.  Nowadays we just
>> patch up the bulletholes in the buildings.
>
>And this is the state where people shoot each other on the highways.
>Don't they have gun control laws in California?
>
>--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
```

><phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

And so, what's your point?

```
**************************************************************************
Mike Shirley,  WB6WUI        INET: mikey@pnet03.cts.com
PO Box 460                   ARPA: crash!pnet03!mikey@nosc.mil
Lakeside, CA  92040-0460     UUCP: {hplabs!hp-sdd nosc}!crash!pnet03!mikey
**************************************************************************
```

From -5223057658085816205
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 23:19:08 PST
Path: gmdzi!unido!mcsun!uunet!nuchat!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: A New War?
Keywords: Another Dead Horse
Message-ID: <L=8&JX+@splut.conmicro.com>
Date: 12 Aug 90 01:49:51 GMT
References: <202@bongo.UUCP>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 17
Posted: Sun Aug 12 02:49:51 1990

In article <202@bongo.UUCP> julian@bongo.UUCP (Julian Macassey) writes:
>   In the foreseeable future the FCC is going to pontificate on the
>No-Code question. When that happens, what will the sclerotic and
>gasping old farts have left to whine about?

I refuse to accept the title of "sclerotic and gasping old fart" just
because I oppose the concept of a no-code license.

When the FCC rams no-code down the throats of the ham community, as it
appears to have every intention of doing, I will be working to preserve
what can be saved. What have YOU done for ham radio lately?

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
"It's a hardware bug!" "It's a      +--------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_
```

From 8758952341660653190
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,982b19aaf085dc27

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 23:19:11 PST
Path: gmdzi!unido!mcsun!uunet!nuchat!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Business -> Residential info help needed
Message-ID: <Y=8&-1+@splut.conmicro.com>
Date: 12 Aug 90 02:00:55 GMT
References: <3080006@aspen.IAG.HP.COM>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 20
Posted: Sun Aug 12 03:00:55 1990

In article <3080006@aspen.IAG.HP.COM> laubach@aspen.IAG.HP.COM (Mark Laubach) writes:
>I'm trying to convince GTE California to change our repeater's phone
>patch line from a business rate to a residential rate. Does anyone
>have any ammunition to bring to bear that I can use in waging this
>little war? Currently, they claim ignorance on the issue. The
>operator I got there had to refer things to her supervisor and claimed
>it would take at least a week to research the issue.

This one should be easy. GTE has adopted a nationwide policy that all amateur autopatches are to be charged at the residential rate. About all I can suggest is that if you don't like the answer you get, keep going up the hierarchy until you get an answer you do like. Get everyone's name along the way. If a manager tries to stonewall you, a letter to the president of GTE - threatened or actual - works wonders.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
"It's a hardware bug!" "It's a      +-----------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_
```

From 1435508697721064000
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,89e01b5f5ad819c6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 23:23:52 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Yuppies, celltels, hams, etc...
Message-ID: <17214@ucsd.Edu>
Date: 12 Aug 90 03:48:53 GMT
References: <4F68192E981F00109C@PSUARCH.Bitnet>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 8
Posted: Sun Aug 12 04:48:53 1990

In article <4F68192E981F00109C@PSUARCH.Bitnet> PLB@PSUARCH.BITNET ("P Bandini, PSU Arch Dept, 814/863-0062") writes:
>(Brian, can you send me a list of all the do's and dont's... thanks)

No, I can't. I only run the mailing list; NOBODY runs the newsgroup.
However, I can suggest one slogan that helps:

Friends come and go, but enemies accumulate.
- Brian

From 1422849859614381809
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 23:24:32 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: A New War?
Keywords: Another Dead Horse
Message-ID: <17215@ucsd.Edu>
Date: 12 Aug 90 03:56:31 GMT
References: <202@bongo.UUCP> <L=8&JX+@splut.conmicro.com>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 17
Posted: Sun Aug 12 04:56:31 1990

In article <L=8&JX+@splut.conmicro.com> jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard) asks for it:
>... What have YOU done for ham radio lately?

Well, Julian is one of the premier gadflies of this net, and as such has
helped raise the level of debate, but that's probably not what you
wanted to hear.

Hmm. He's chairman of the So Cal Digital Comm Council, which is the
packet radio organization covering the Mexican half of California
(you know, the part south of the pot fields). As such, he promotes the
growth of one of ham radio's few innovative activities. They're also
frequency coordinators of a kind.

I think that's a pretty useful thing.

Next question?
- Brian

From 1562544390804288516
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-12 00:53:10 PST

Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: A New War?
Message-ID: <30500672@ux1.cso.uiuc.edu>
Date: 12 Aug 90 07:16:00 GMT
References: <9008101350.AA19126@tilde>
Lines: 23
Nf-ID: #R:<9008101350.AA19126@tilde>:-26:ux1.cso.uiuc.edu:30500672:000:1186
Nf-From: ux1.cso.uiuc.edu!phil   Aug 12 02:16:00 1990
Posted: Sun Aug 12 08:16:00 1990

Someone wanted to hear some arguments AGAINST no-code. We'll, I've heard a few attempts, and I shall summarize:

--- International agreements require a Morse Code exam.
--- Morse Code is a tradition in Amateur Radio.
--- Morse Code will keep the "riff-raff" out of our bands.
--- CB and GMRS is available for people who won't learn Morse Code.
--- A No-Code license just lowers the requirements for a license.
--- Morse Code ensures that only the dedicated will get licensed.
--- Morse Code is easy to learn.
--- 5 WPM is not a barrier for anyone seriously interested in ham radio.
--- Studying Morse Code exposes new hams to a mode they might like.
--- Studying Morse Code forces discipline on new hams.
--- Morse code is necessary for emergency communications.
--- We need a trained pool of skilled CW operators.
--- Morse Code is necessary for the National Traffic System.
--- Morse Code can get through when other modes cannot.
--- CW is the most efficient mode.
--- A CW transmitter is simple enough to build in an emergency.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 2882632238178528064
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-12 00:53:17 PST
Path: gmdzi!unido!mcsun!uunet!samsung!rex!wuarchive!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: A New War?
Message-ID: <30500673@ux1.cso.uiuc.edu>
Date: 12 Aug 90 07:18:00 GMT
References: <9008101350.AA19126@tilde>
Lines: 128
Nf-ID: #R:<9008101350.AA19126@tilde>:-26:ux1.cso.uiuc.edu:30500673:000:6402

Nf-From: ux1.cso.uiuc.edu!phil   Aug 12 02:18:00 1990
Posted: Sun Aug 12 08:18:00 1990

And now for the rebuttal:

--- International agreements require a Morse Code exam.

This arguments fails on two counts. First of all, the actual wording of the agreement is vague. It says "knowledge of Morse Code" is what is required. The second, and most important, is that the agreement applies only to licenses granting privileges to operate below 30 Mhz. Since the codeless license proposals only grant privileges well above 30 Mhz, this argument does not even apply to the proposed new license class.

--- Morse Code is a tradition in Amateur Radio.

This is correct. But every phase of advancement in Amateur Radio has its own traditions. The belief of many is still that good traditions are to be honored and respected, not shoved onto people. Morse Code has a place in Amateur Radio, and always will. The traditional license classes will still continue to require a Morse Code exam under most proposals.

--- Morse Code will keep the "riff-raff" out of our bands.

This is not likely to be so. There is already a lot of "riff-raff" in the Amateur bands. Hams have their bad apples, too. While some people who would be "riff-raff" might be turned back by a code exam, if they were interested in leaving the CB channels, they probably would be operating illegally anyway. We just lose a chance to turn them around.

--- CB and GMRS is available for people who won't learn Morse Code.

This is not true. The CB and GMRS services are not appropriate for technical experimentation; the Amateur service is clearly the place for such things. FCC rules part 97.1 spell this out very clearly.

--- A No-Code license just lowers the requirements for a license.

Since some proposals for a new license class increase the level of the written exam beyond that of the Technician, and grants fewer privileges than the Technician has, the argument is clearly false.

--- Morse Code ensures that only the dedicated will get licensed.

If someone is interested in Morse Code, the exam is no barrier to them. If they are not interested in Morse Code at all, then it is a barrier to them just as much as having to learn any other unrelated subject. Since many people intend to not ever use Morse Code, then it is just as unrelated to them as learning how to drive a team of horses or pilot an oil tanker around ocean reefs.

--- Morse Code is easy to learn.

Clearly this argument, which is truthful for a large number of people, is a contradiction to the argument that the Morse code exam helps keeps out "riff-raff". Many things are easy to learn, but no one is expected to learn everything. Just because something is easy to learn does not say why it must be learned.

--- 5 WPM is not a barrier for anyone seriously interested in ham radio.

Neither is a written exam on the technical characteristics of packet radio, but we would not expect to force everyone to learn these things even though most hams could if they just put their mind to it.

--- Studying Morse Code exposes new hams to a mode they might like.

Studying anything can expose anyone to something new and exciting. Why must Morse Code be singled out to force everyone to be exposed to it, and other modes don't get similar exposure? People can be exposed to everything by just participating in Ham Radio itself. If you turn someone away immediately, then will never have a chance to become interested in anything particular in ham radio. The testing process is not supposed to be an advertising and brainwashing process for new recruits.

--- Studying Morse Code forces discipline on new hams.

Far more discipline, and useful discipline, is learned by actual radio operation. Would accept someone who passes all the test elements for the Extra class as a ham if they decided that they didn't need to even operate and are fully skilled already as a ham? Of course not.

--- Morse code is necessary for emergency communications.

More communications is now taking place in other modes, and many hams, including an increasing number of Technicians, don't use or are even capable of Morse Code operation. Emergency communications still take place, but use primarily voice and packet modes.

--- We need a trained pool of skilled CW operators.

For what purpose? There will always be a number of people interested in operating (and thus learning) Morse Code. Why is it necessary to train everyone, when most of the people who would be licensed under the new proposed license class would just forget the code if they had to learn it otherwise.

--- Morse Code is necessary for the National Traffic System.

More and more traffic is now passed by packet radio, and much is still passed by voice. This is not to say that Morse Code is not contributing, but rather that its not the only thing around.

--- Morse Code can get through when other modes cannot.

Sometimes this is correct, but even if it were always, it does not explain why everyone has to use the mode. More can be said with voice. You can see things better with ATV. These arguments are truths, but do not apply to requiring hams to be involved with, or learn how to use, any particular mode. I could just say "one plus one equals two so therefore..." and assert anything I wanted using that kind of reasoning.

--- CW is the most efficient mode.

This is false. The very reason that CW can get through when other modes cannot is due to its high level of redundancy. It is a narrow mode, but it is also a very slow mode. Efficiency in terms of the information conveyed for a given bandwidth in a given amount of time over a given distance is not Morse Code's great strength. It does have others.

--- A CW transmitter is simple enough to build in an emergency.

How many of you even know how? Is this even likely to happen? An emergency of the extreme that requires you to build your transmitter would require little more than just sending SOS, as you are going to be isolated somewhere anyway.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 7674277867201962270
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1290b20757f60c65
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-12 00:53:19 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Good callsign or not? KO0N
Message-ID: <30500674@ux1.cso.uiuc.edu>
Date: 12 Aug 90 07:23:00 GMT
References: <5460@plains.UUCP>
Lines: 7
Nf-ID: #R:plains.UUCP:5460:ux1.cso.uiuc.edu:30500674:000:265
Nf-From: ux1.cso.uiuc.edu!phil   Aug 12 02:23:00 1990
Posted: Sun Aug 12 08:23:00 1990

Just don't get KO0N mixed up with K0ON.

Warning: The O and the 0 are next to each other on QWERTY keyboards.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From -2948119495616148385
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2af9bbc0de071f26,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-12 01:30:33 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!
decwrl!ucbvax!SC.INTEL.COM!RHAREL%FAB8
From: RHAREL%FAB8@SC.INTEL.COM ("RICHARD HAREL ")
Newsgroups: rec.ham-radio
Subject: Signal One Corperation Address ???
Message-ID: <9008120732.AA16199@ucsd.edu>
Date: 12 Aug 90 07:31:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Sun Aug 12 08:31:00 1990

When I was in Dayton this year I noticed an HF xcvr which was strikingly
similar to the ICOM IC-781 at the Hamvention. Does anyone know which came
first ? Have we begun to copy the Japanese.
If anyone has the address of Signal One Corp. - I'd appreciate it. I'd
like to get their catalog on the transciever and put it into my fantasy
folder.
73,
Richard Harel
4X1DA
================================================================
My employer in no way warrents my opinions expressed here.
================================================================
"Governments used to spend vast ammounts of money to know what
to know what I think. Now governments spend vast amounts of money
to know how I spend my money". n.k.


From 3383135553664932764
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7af86dfe73bbb913
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-12 05:21:24 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!bu.edu!husc6!wuarchive!brutus.cs.uiuc.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: spectrum congestion
Message-ID: <30500675@ux1.cso.uiuc.edu>
Date: 12 Aug 90 07:31:00 GMT
References: <152533@<1990Aug9>
Lines: 30
Nf-ID: #R:<1990Aug9:152533:ux1.cso.uiuc.edu:30500675:000:1298
Nf-From: ux1.cso.uiuc.edu!phil    Aug 12 02:31:00 1990
Posted: Sun Aug 12 08:31:00 1990
```

> The coordinator's authority ideally comes from the consent of the
> governed (sound familiar?). If the operators (not necessarily OWNERS)
> of coordinated repeater systems consent to the recommendations of
> the coordinator, there is no problem.

And the guy who is simply applying to get a coordination is one of the "governed". So who should be allowed to be members of the coordination group with voting privileges?

Also, just how the coordinators decide to arrange the repeater frequencies affects all of us who use the band.

> As soon as the bulk of the operators stop cooperating with the
> coordinator, they stop cooperating with one another by definition.
> They have only themselves to blame for their own mess. Too bad.

It's not their own mess.

What about the NON-operators who are so because they cannot get a coordination? When they say "no frequencies are available" is it really true?

What is a reasonable way to prevent the necessity of creating yet another coordination group? Doing this is fundamentally a bad idea, but if the existing group won't respond, what else is there to do? (only CONSTRUCTIVE ideas wanted)

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 566727372103218867
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5757e84f018f2a9f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-12 05:21:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!bu.edu!husc6!wuarchive!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 Filing (yet again)
Message-ID: <30500676@ux1.cso.uiuc.edu>
Date: 12 Aug 90 07:37:00 GMT
Lines: 13
Nf-ID: #R:<9008111329.AA08702@cmr.ncsl.nis:-38:ux1.cso.uiuc.edu:30500676:000:592
Nf-From: ux1.cso.uiuc.edu!phil   Aug 12 02:37:00 1990
Posted: Sun Aug 12 08:37:00 1990

It sounds like, then, that class B licenses are being issued, but that both class A and class B numbers are way down. Neither class is bringing in the technical people. That's unfortunate.

What this shows is that there may be other reasons for the lack of young hams becoming licensed. I really cannot say what this is. It sounds like a reasonable no-code license is available.

Is the 2 meter band totally overrun by the no-coders?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -7290983282753996035
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a7629b96245c955,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-12 05:21:47 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!bu.edu!husc6!wuarchive!brutus.cs.uiuc.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: I fried my BC-100
Message-ID: <30500677@ux1.cso.uiuc.edu>
Date: 12 Aug 90 07:44:00 GMT
References: <5697@uwm.edu>
Lines: 7
Nf-ID: #R:uwm.edu:5697:ux1.cso.uiuc.edu:30500677:000:264
Nf-From: ux1.cso.uiuc.edu!phil   Aug 12 02:44:00 1990
Posted: Sun Aug 12 08:44:00 1990

I wonder why this someone gave you the scanner in the first place.

Perhaps the bomb inside just fizzled out.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -2417695811579420494
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,40a1853a0dbe5777
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-12 06:39:40 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: More TVI Problems
Message-ID: <992@ssc.UUCP>
Date: 12 Aug 90 06:16:56 GMT
References: <7880243@hpfcdc.HP.COM>
Organization: very little
Lines: 25
Posted: Sun Aug 12 07:16:56 1990

In article <7880243@hpfcdc.HP.COM>, perry@hpfcdc.HP.COM (Perry Scott) writes:
> I need help from any of the RFI gurus on the net. I am getting into my
> TV and VCR big-time. Any suggestions are welcome. Please save my

. If I transmit into a dummy load, the TV
> is clean, even at 500 watts, so I'm not getting in via 120 VAC. I think
> this also means the trasmitter is reasonably grounded.
>

Oh, but your ground mounted vetical probably induces RF into the house
wiring, so the dummy load test isn't a good one.

Try a big choke on the 117 VAC power lead for the TV and VCR. Just get
a large toroid, and wrap the line cord around it. This may make the
line cord short enough that you need to plug it into an extension cord.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 7926858770451731771
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-12 06:39:48 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: DSP (was: Qualification-based licensing)
Message-ID: <993@ssc.UUCP>
Date: 12 Aug 90 06:20:23 GMT
References: <14117@shlump.nac.dec.com> <18230026@hpfcdj.HP.COM>
Organization: very little
Lines: 18
Posted: Sun Aug 12 07:20:23 1990

In article <18230026@hpfcdj.HP.COM>, myers@hpfcdj.HP.COM (Bob Myers) writes:
>
> OK, so CW is "relevant" if you're going to operate in the "weak signal
> portion of the band." Now please explain why it is "relevant" to GETTING
> A LICENSE in the first place. RTTY,

Because it's ON THE TEST!!!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 317636905757333543
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,621183598ff6adfa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-12 06:39:50 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: V31BB
Summary: SK
Keywords: V31BB, Jim, rumor
Message-ID: <994@ssc.UUCP>
Date: 12 Aug 90 06:35:02 GMT
References: <1064@tsdiag.ccur.com>
Organization: very little
Lines: 23
Posted: Sun Aug 12 07:35:02 1990

In article <1064@tsdiag.ccur.com>, davet@tsdiag.ccur.com (Dave Tiller N2KAU) writes:

> I heard through this newsgroup some months ago that Jim, V31BB, had
> passed away. I was wondering if anyone could either categorically
> confirm or deny this rumor.about

The August 13 issue of QRZ DX says:

"V31BB is a Silent Key, but his callsign is not silent. A non-ham from Georgia, who recently purchased some amateur radio equipment and who doesn't know any better, has been using Jim's callsign. Thanks W5HAC."

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 96694385734955639
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-12 07:39:57 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!
rutgers!mephisto!ncar!zaphod.mps.ohio-state.edu!lavaca.uh.edu!uhnix1!moray!splut!
jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Coordination lawsuits (was Re: Repeaters.)
Message-ID: <CK8&NF-@splut.conmicro.com>
Date: 12 Aug 90 12:23:38 GMT
References: <2827@anasaz.UUCP> <1990Aug9.151801.1092@csense.uucp>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 68
Posted: Sun Aug 12 13:23:38 1990

(I'm just getting back into this discussion; my newsfeed was cut for a week by texbell's change in policy.)

In article <1990Aug9.151801.1092@csense.uucp> bote@csense.uucp (John Boteler) writes:
>From article <2827@anasaz.UUCP>, by john@anasaz.UUCP (John Moore):
>> In article <1990Aug4.001803.13914@bellcore-2.bellcore.com>
karn@thumper.bellcore.com writes:
>>]You have to realize that the "we can't change anything, we'd get sued"
>>]line is basically nothing more than a cop-out.
>> I'm sorry, Phil, but I have to disagree. Even a frivolous lawsuit can
>> cause one considerable trouble and expense.
>> Ask the coordinators in Texas what it feels like to be sued.
>Sue for what damages??

(Background: I was president of the Texas VHF-FM Society during the time we were being sued.)

We were sued officially because of a choice of wording in an article in our newsletter: we said that someone had received a citation from the FCC when the letter they had received, which was for all intents and purposes a citation, did not include that word.

The article discussed a situation where one amateur had allowed a repeater group to operate a repeater under his callsign, and then had revoked that authorization so he could put up his own repeater; this resulted in a repeater war between the group and the individual. The FCC was called in, and asked us who was coordinated. We replied that the individual was, and the group was ordered to shut their repeater down, which they did. End of story - we thought.

We published an article about the situation, and got sued for libel.

During what settlement discussions we had, though, the plaintiff consistently demanded that we reverse our decision and coordinate his repeater - a demand we found unacceptable.

>> While anyone CAN sue, the most likely people to sue in these cases
>> are the crackpots that are also the most likely to fight over
>> coordination matters.
>Sue for what damages???
>Seeking what relief?

Damages? They can sue for every asset the organization, and its individual coordinator(s), have, on the premise that we damaged his reputation. The plaintiff in our lawsuit left damages to be soecified at the trial, but claimed that we had irreparably harmed his business.

Relief? He can demand that the coordinator do things his way.

John's right. Being sued is no picnic. It brought almost all of our activities to a screeching halt, because we had to do nothing that would jeopardize our position in the suit, or our financial status should we lose. We had to be very circumspect in publishing our newsletter and discussing the progress of the suit with our members, lest the plaintiff hear something he could use against us. We lucked out, in that we were represented by a good lawyer, Lanny Priddy, K5LP, who agreed to defend us for only his actual costs. The defense could easily have cost us thousands of dollars, which we would have been hard-pressed to recover, since the plaintiff had little in the way of assets - he had to change lawyers once during the progress of the suit because his first lawyer hadn't been paid.

Yes, the threat of being sued is a credible deterrent, whether Phil thinks it's a copout or not.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
"It's a hardware bug!" "It's a      +-----------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_
```

From -660101674470810449
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5757e84f018f2a9f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-12 07:40:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!mephisto!ncar!zaphod.mps.ohio-state.edu!lavaca.uh.edu!uhnix1!moray!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 Filing (yet again)
Message-ID: <KK8&MH-@splut.conmicro.com>
Date: 12 Aug 90 12:29:26 GMT
References: <30500676@ux1.cso.uiuc.edu>

Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 20
Posted: Sun Aug 12 13:29:26 1990

In article <30500676@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
[about ham licensing in Great Britain:]
>What this shows is that there may be other reasons for the lack of young
>hams becoming licensed. I really cannot say what this is. It sounds like
>a reasonable no-code license is available.

Gasp! You mean one of the most rabid no-coders here admitted that the code requirement may not be the only reason that young people aren't getting into ham radio? Be still my beating heart!

Maybe, just maybe, the problem lies somewhere else...like we're not making ham radio atractive enough to the younger members of society. Naw...that's too simple for the no-coders. Must be something else. Let's let the lazy types in anyway, and then we'll look for other problems.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
"It's a hardware bug!" "It's a      +--------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_
```

From -6110523471851211034
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a7629b96245c955
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-12 07:49:21 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!csd4.csd.uwm.edu
From: dave@csd4.csd.uwm.edu (Dave Rasmussen)
Newsgroups: rec.ham-radio
Subject: Re: I fried my BC-100
Message-ID: <5704@uwm.edu>
Date: 12 Aug 90 14:34:24 GMT
References: <30500677@ux1.cso.uiuc.edu>
Sender: news@uwm.edu
Reply-To: dave@csd4.csd.uwm.edu
Lines: 24
Posted: Sun Aug 12 15:34:24 1990

From article <30500677@ux1.cso.uiuc.edu>, by phil@ux1.cso.uiuc.edu:
>
> I wonder why this someone gave you the scanner in the first place.
>
> Perhaps the bomb inside just fizzled out.
>

Now now. I am genuinely curious if these things have any kind of overcharging protection such that one could just replace something and get on with it.

The guy gave it to me because the bearcat (uniden?) repair place
he sent it to told him that he should just buy another unit instead
of spending money on fixing it. He said it would not hold a charge.

Well even myself who pulls off stunts like this with improper chargers
know that he can replace nicad packs and see what happens.
Why I didn't do this in the first place is beyond me.

Can any offer any helpful suggestion

--
Internet:dave@uwm.edu, Uucp:uwm!dave, Bitnet:dave%uwm.edu@INTERBIT
AT&T:414-229-5133 USnail:Dave Rasmussen-CSD,Box 413 EMS380,Milwaukee,WI 53201

From -5802738391803679916
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,313f69958ed2879b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-12 08:40:08 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!ucsd!pacbell.com!pacbell!att!mcdchg!laidbak!obdient!vpnet!johns
From: johns@vpnet.chi.il.us (John R. Scherer)
Newsgroups: rec.ham-radio
Subject: InstantTrack V0.85c
Message-ID: <26c4cc40-494rec.ham-radio@vpnet.chi.il.us>
Date: 12 Aug 90 05:55:04 GMT
Lines: 6
Posted: Sun Aug 12 06:55:04 1990

I have been playing arround wint InstantTrack V0.85 for several weeks now and
I think this program is tops for a PD program..
on thing.. Where can I find out more about the sats that I load into this program..??
Thanks..

John Scherer

From 1354889087567651904
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e15021f72d925ca
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-12 09:19:18 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!rpi!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Iridium Cellular Service
Message-ID: <287@ultrix.uhasun.hartford.edu>
Date: 12 Aug 90 15:06:50 GMT

References: <631@entec.Wichita.NCR.COM> <1990Aug9.123238.4911@ameristar>
<205@bongo.UUCP>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 14
Posted: Sun Aug 12 16:06:50 1990

In article <205@bongo.UUCP>, julian@bongo.UUCP (Julian Macassey) writes:
>
>   So yes, our internationally (as in WARC, ITU, CCIR) understood
> purpose is education and training. I really feel that the ARRL needs
> to get a grip on this.

Julian, can you provide a reference to the ITU document(s) that state
that emergency communications is no longer a facet of amateur radio?
I must have missed them.

```
--
Jon Bloom, KE3Z                              | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu         |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

From -5759060248947674759
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8adfeb9beb74a2bc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-12 10:00:44 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9008121649.AA10862@ucsd.edu>
Date: 12 Aug 90 16:48:24 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 405
Posted: Sun Aug 12 17:48:24 1990

The most current orbital elements from the NASA Prediction Bulletins are
carried on the Celestial BBS, (513) 427-0674, and are updated several times
weekly. Documentation and tracking software are also available on this
system. As a service to the satellite user community, the most current of
these elements are uploaded weekly to sci.space. This week's elements are
provided below. The Celestial BBS may be accessed 24 hours/day at 300,
1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #730 -
Alouette 1
1 00424U 62B-A  1 90217.43935311  .00000117  00000-0  13196-3 0  3354
2 00424  80.4624 237.5137 0023878 142.7307 217.5501 13.67370855389428
ATS 3
1 03029U 67111  A 90214.48717834 -.00000074  00000-0  99999-4 0  3993
```

```
2 03029  13.2709  20.8576 0017882 215.2872 144.6001  1.00271863 83251
Cosmos 398
1 04966U 71 16  A 90220.18540748  .00038681  17603-4  21839-3 0   242
2 04966  51.5346 107.5568 2241661 245.9827  89.1208 11.12579822597470
Starlette
1 07646U 75010  A 90217.52752778 -.00000020  00000-0  32076-4 0   916
2 07646  49.8285 323.8044 0205819 354.1972   5.6541 13.82140214782601
LAGEOS
1 08820U 76039  A 90219.94030881  .00000002  00000-0  00000 0 0   900
2 08820 109.8540  12.8431 0044560 227.1604 132.4655  6.38664046 77246
GPS-0001
1 10684U 78020  A 90220.29062638  .00000007  00000-0  99999-4 0  4705
2 10684  63.7663  87.9445 0119592 198.2448 161.4177  2.00556432 76896
GPS-0002
1 10893U 78 47  A 90215.28388008 -.00000024  00000-0  00000 0 0  2169
2 10893  64.3721 328.9624 0165389  25.7035 335.1199  2.00543398 89613
GOES 3
1 10953U 78062  A 90218.79743682  .00000101  00000-0  99999-4 0  9358
2 10953   7.0600  65.8468 0009858  78.0191 282.3061  1.00267361  5144
SeaSat 1
1 10967U 78064  A 90220.57745631  .00000455  00000-0  20015-3 0  3594
2 10967 108.0243  68.3016 0002732 234.6817 125.4080 14.35775768633973
GPS-0003
1 11054U 78093  A 90216.06374965 -.00000024  00000-0  00000 0 0  2524
2 11054  63.8835 325.1954 0060063 119.6869 240.9321  2.00567782 86642
Nimbus 7
1 11080U 78098  A 90212.28428394  .00000056  00000-0  66944-4 0  6863
2 11080  99.1931 116.2023 0009113 331.3700  28.6953 13.83445590594137
GPS-0004
1 11141U 78112  A 90211.18015672  .00000007  00000-0  00000 0 0  4160
2 11141  63.7431  88.0995 0059042 317.4378  42.1742  2.00555432 85241
GPS-0005
1 11690U 80 11  A 90211.82015637  .00000008  00000-0  00000 0 0    02
2 11690  64.2079  90.2028 0117037 202.6222 156.9293  2.00555295 91113
GPS-0006
1 11783U 80 32  A 90220.60358584 -.00000024  00000-0  00000 0 0  1915
2 11783  63.6962 324.6040 0151235  60.4273 301.1062  2.00559400 75372
GOES 5
1 12472U 81049  A 90218.59263864 -.00000124  00000-0  99999-4 0  9538
2 12472   3.6020  75.4092 0001758   6.1337 353.9426  1.00206963 32731
DE 1
1 12624U 81 70  A 90216.00000000  .00000072  00000-0  99999-4 0  4914
2 12624  88.9889 147.4672 6207280 266.4137 129.1750  3.51087896263881
SME
1 12887U 81100  A 90220.66198570  .00035148  00000-0  53603-3 0  7686
2 12887  97.6343 271.4355 0001740 186.9489 173.1706 15.54394421489413
Salyut 7
1 13138U 82 33  A 90220.83068440  .00035445  00000-0  31944-3 0  4291
2 13138  51.6008  36.8840 0000825 143.0212 217.0821 15.67822139473105
Cosmos 1383
1 13301U 82 66  A 90220.55123166  .00000066  00000-0  70372-4 0  5881
2 13301  82.9296 262.3946 0028954  19.0396 341.1837 13.67838358404832
LandSat 4
```

```
1 13367U 82 72  A 90220.04228002 -.00000305  00000-0 -62779-4 0  4114
2 13367  98.1625 281.5437 0003600 350.1568   9.9607 14.57133999428859
IRAS
1 13777U 83  4  A 90217.34746076  .00000283  00000-0  22005-3 0  7977
2 13777  99.0223  53.3798 0011290 249.5972 110.3981 13.98809656 53813
Cosmos 1447
1 13916U 83 21  A 90219.09543136  .00000067  00000-0  64545-4 0  7366
2 13916  82.9472 334.4217 0038852   0.4550 359.6621 13.74052798369666
TDRS 1
1 13969U 83 26  B 90219.77894639  .00000129  00000-0  99999-4 0   522
2 13969   4.6125  65.4736 0003575  83.1669 277.0842  1.00277125   489
GOES 6
1 14050U 83 41  A 90219.71519194  .00000117  00000-0  99999-4 0  2243
2 14050   2.3587  77.7216 0002269 100.4603 259.7843  1.00270429   250
OSCAR 10
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2 14129  26.0426 190.7360 5953495 165.8377 223.4503  2.05880381 25801
GPS-0008
1 14189U 83 72  A 90217.10618195  .00000006  00000-0  99999-4 0  8133
2 14189  63.3827  86.3421 0147861 219.2673 139.7411  2.00702624 51741
LandSat 5
1 14780U 84 21  A 90221.23785703 -.00000298  00000-0 -61044-4 0  2762
2 14780  98.2023 280.5104 0002122  75.2136 284.9301 14.57113078342448
UoSat 2
1 14781U 84 21  B 90217.58851262  .00001031  00000-0  19855-3 0  7648
2 14781  97.9470 268.5243 0013822  90.2140 270.0664 14.65532084343206
GPS-0009
1 15039U 84 59  A 90219.23011010  .00000005  00000-0  00000 0 0    11
2 15039  63.1322  85.4550 0021803 232.3123 127.7513  2.00611860 45069
Cosmos 1574
1 15055U 84 62  A 90219.93237655  .00000112  00000-0  10946-3 0  9231
2 15055  82.9553  24.1573 0027093 175.8567 184.2815 13.73367477307177
GPS-0010
1 15271U 84 97  A 90220.15234927 -.00000024  00000-0  00000 0 0  8793
2 15271  63.1959 324.1441 0105777 327.7656  31.6387  2.00559782 42195
Cosmos 1602
1 15331U 84105  A 90216.74625301  .00002348  00000-0  31852-3 0  3338
2 15331  82.5382 315.9004 0023155 168.7424 191.4302 14.78370768315261
NOAA 9
1 15427U 84123  A 90221.24595940  .00000313  00000-0  19016-3 0  6117
2 15427  99.1704 222.3141 0014500 217.1975 142.8190 14.12632373291478
Cosmos 1686
1 16095U 85 86  A 90220.76693656  .00101494  00000-0  89651-3 0  7202
2 16095  51.6013  37.2070 0002346 204.7096 155.3568 15.67861442274191
GPS-0011
1 16129U 85 93  A 90217.86123095  .00000006  00000-0  00000 0 0  5628
2 16129  63.9073  86.5043 0124881 148.7083 212.1355  2.00510025 35350
Mir
1 16609U 86 17  A 90220.84252473  .00026577  00000-0  27846-3 0  8505
2 16609  51.6123  64.6821 0010267 238.4478 121.5608 15.64149402256339
SPOT 1
1 16613U 86 19  A 90220.63687535  .00000057  00000-0  35704-4 0   645
2 16613  98.7322 294.3934 0001819  63.9313 296.2081 14.20026864 71377
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EGP
1 16908U 86 61  A 90219.88329857 -.00000041  00000-0 -16549-4 0  2401
2 16908  50.0048  97.0621 0010130 330.0124  30.0131 12.44388848181295
NOAA 10
1 16969U 86 73  A 90214.31016340  .00000447  00000-0  21224-3 0  4566
2 16969  98.5959 241.2203 0014303 132.9171 227.3210 14.23676806201178
MOS-1
1 17527U 87 18  A 90220.72109641  .00000183  00000-0  16118-3 0  6358
2 17527  99.1075 292.5940 0000770  73.8864 286.2389 13.94880797176587
GOES 7
1 17561U 87 22  A 90214.40965915 -.00000105  00000-0  99999-4 0  5750
2 17561   0.0954 134.4820 0006674 267.5918 317.9786  1.00274485  5909
Kvant-1
1 17845U 87 30  A 90220.77863299  .00018835  00000-0  19920-3 0  2168
2 17845  51.6089  65.0091 0011066 245.5672 114.4144 15.64137598256328
DMSP B5D2-3
1 18123U 87 53  A 90221.26346823  .00000000  00000-0  99999-5 0  6667
2 18123  98.8168  51.1520 0013793 229.8731 130.1234 14.14093331161906
RS-10/11
1 18129U 87 54  A 90220.96278822  .00000218  00000-0  22860-3 0  2829
2 18129  82.9272 289.5393 0011290 340.1514  19.9233 13.72101679156683
Meteor 2-16
1 18312U 87 68  A 90220.03064100  .00000220  00000-0  18868-3 0  4736
2 18312  82.5464 249.1868 0012970 101.3486 258.9105 13.83667172150152
Meteor 2-17
1 18820U 88  5  A 90219.94673158  .00000165  00000-0  13818-3 0  3398
2 18820  82.5471 309.3162 0016720 174.3776 185.7576 13.84359121127346
DMSP B5D2-4
1 18822U 88  6  A 90221.27496938  .00000151  00000-0  77458-4 0  6028
2 18822  98.6369  99.1948 0007604 112.9636 247.2345 14.21502810130363
AO-13
1 19216U 88 51  B 90216.89332159 -.00000150  00000-0  99999-4 0  1436
2 19216  56.9610 142.4159 7002982 232.8606  40.9111  2.09704479 16420
OKEAN 1
1 19274U 88 56  A 90220.96896541  .00001150  00000-0  15887-3 0  9169
2 19274  82.5176 109.6487 0020932 314.5278  45.4177 14.77189248112716
Meteor 3-2
1 19336U 88 64  A 90220.00613043  .00000391  00000-0  99999-3 0  5490
2 19336  82.5381 240.7589 0016974 178.4336 181.6839 13.16901083 97773
NOAA 11
1 19531U 88 89  A 90219.90853961  .00000562  00000-0  32972-3 0  3357
2 19531  98.9845 168.2808 0013044 135.9096 224.3118 14.11664674 96266
TDRS 2
1 19548U 88 91  B 90204.00000000  .00000115  00000-0  99999-4 0  1457
2 19548   0.2228  81.8393 0004382  63.7946 340.6711  1.00271163   617
Cosmos 2001
1 19796U 89 11  A 90221.03414441 -.00001038  00000-0  99999-4 0  5882
2 19796  63.3499  86.2800 7065571 319.8772   5.8468  2.00688068 10864
GPS BII-01
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2 19802  55.0464 195.4754 0053404 166.0726 194.0544  2.00642946 10736
Akebono
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2 19822  75.0879 214.1515 4172567 189.6469 158.9782  7.12972683  3428
Meteor 2-18
1 19851U 89 18  A 90219.93196139 -.00000122  00000-0 -11520-3 0  2837
2 19851  82.5224 187.2304 0013257 215.1407 144.8908 13.83989655 72721
TDRS 3
1 19883U 89 21  B 90204.00000000 -.00000235  00000-0  99999-4 0  1480
2 19883   0.2485  80.7470 0002018 132.5800  46.4494  1.00263623 75316
GPS BII-02
1 20061U 89 44  A 90209.06841396 -.00000033  00000-0  00000 0 0  1461
2 20061  54.7902  14.1650 0087574 174.1143 186.0045  2.00484641  8312
Nadezhda 1
1 20103U 89 50  A 90219.08891848  .00000456  00000-0  47562-3 0  1832
2 20103  82.9569 247.4709 0036233 256.4914 103.2199 13.73603648 54700
GPS BII-03
1 20185U 89 64  A 90209.47384760  .00000016  00000-0  99999-4 0  1372
2 20185  54.9206 196.6351 0023373 161.0141 199.0610  2.00622687  6899
Activnyi
1 20261U 89 80  A 90220.71886708  .00000393  00000-0  12028-3 0  6532
2 20261  82.5963 195.2074 1256725 219.6041 130.6415 12.43823203 39128
Activnyi RB
1 20262U 89 80  C 90218.13374665  .00000255  00000-0  78575-4 0  2702
2 20262  82.6009 196.9284 1259972 225.7326 123.3437 12.43238260 38803
Magion 2
1 20281U 89 80  B 90220.75719847  .00000459  00000-0  14050-3 0  6526
2 20281  82.5946 195.0887 1256331 219.3294 130.9751 12.44094077 39138
GPS BII-04
1 20302U 89 85  A 90209.33421711 -.00000027  00000-0  99999-4 0  1383
2 20302  54.6320 315.4260 0031893 317.6591  42.0933  2.00370395  5696
Meteor 3-3
1 20305U 89 86  A 90219.99870037  .00000300  00000-0  77524-3 0  1921
2 20305  82.5546 181.4555 0015219 194.9740 165.0917 13.15866272 37766
COBE
1 20322U 89 89  A 90218.06331381  .00001906  00000-0  12576-2 0  1540
2 20322  99.0221 227.7901 0007567 225.6249 134.4299 14.02664866 36483
Kvant-2
1 20335U 89 93  A 90220.77864049  .00026052  00000-0  27307-3 0  3362
2 20335  51.6142  65.0094 0010420 239.1247 120.9150 15.64149787 39982
GPS BII-05
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2 20361  54.9862 138.3267 0057060  23.0724 337.7943  2.00581994  4754
SPOT 2
1 20436U 90  5  A 90220.95410900  .00000364  00000-0  18877-3 0  3193
2 20436  98.7331 294.7663 0000848 108.4562 251.6739 14.20029990 28235
UO-14
1 20437U 90  5  B 90217.48134309  .00000542  00000-0  23141-3 0  1910
2 20437  98.6960 293.4444 0011079  16.9807 343.1756 14.28671144 27900
UO-15
1 20438U 90  5  C 90220.24609516  .00000175  00000-0  78145-4 0  1115
2 20438  98.6998 296.1734 0010639   7.1742 352.9594 14.28402959 28292
PACSAT
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LO-19
1 20442U 90  5  G 90218.48878346  .00000448  00000-0  19300-3 0  1033
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GPS BII-06
1 20452U 90  8  A 90211.55522538  .00000002  00000-0  99999-4 0   833
2 20452  54.5297 254.1934 0028547  42.4190 317.8728  2.00872220  3711
MOS-1B
1 20478U 90 13  A 90220.96476574  .00000141  00000-0  13076-3 0  3827
2 20478  99.1878 290.9572 0000229 113.5863 246.5372 13.94836627 25497
DEBUT
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2 20479  99.0371 257.1764 0540316 289.9768  64.3934 12.83157834 23469
FO-20
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2 20480  99.0351 255.5303 0540550 294.6068  59.9647 12.83141641 23208
MOS-1B R/B
1 20491U 90 13  D 90218.66553096 -.00000169  00000-0 -29398-3 0  1072
2 20491  99.0305 260.7328 0470304 272.9680  81.7723 13.02725781 22978
Soyuz TM-9
1 20494U 90 14  A 90220.77864013  .00022130  00000-0  23305-3 0  2337
2 20494  51.6094  65.0093 0010081 240.3239 119.7105 15.64144332 27895
LACE
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2 20496  43.0941  39.9717 0015971 310.5725  49.3710 15.11093657 26309
RME
1 20497U 90 15  B 90220.75717843  .00009139  00000-0  25255-3 0  2157
2 20497  43.1080 356.9164 0017422 322.5194  37.4262 15.37124661 26925
Nadezhda 2
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2 20508  82.9523  22.0987 0043591 201.9727 157.9550 13.73222206 22042
OKEAN 2
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2 20510  82.5232  49.1701 0021392 102.2900 258.0652 14.73309072 23835
INTELSAT-6
1 20523U 90 21  A 90220.36476699  .00002294  00000-0  15421-3 0  2555
2 20523  28.3424 281.6277 0017178  15.4101 344.2664 15.02724991 22302
GPS BII-07
1 20533U 90 25  A 90217.77027865 -.00000033  00000-0  00000 0 0   582
2 20533  55.1242  13.9398 0035756 103.2212 257.1935  2.00555189  2597
PegSat
1 20546U 90 28  A 90220.50597992  .00005279  00000-0  32671-3 0  1835
2 20546  94.1183 242.8955 0149954 142.6334 218.5477 15.00946548 18684
HST
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2 20580  28.4696 276.4944 0005863 310.1208  49.8844 14.84699226 15762
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1 20635U 90 48  A 90220.58696847  .00026059  00000-0  27330-3 0  1142
2 20635  51.6104  65.9801 0010099 239.7955 120.2329 15.64142548 10834
Molniya3-38
1 20646U 90 52  A 90200.10814418  .00000037  00000-0 -73888-3 0   474
2 20646  62.8398 222.1210 7408122 280.1598  10.9867  2.00631672   753
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2 20649  62.8452 223.2199 7449528 280.1064  10.7836  1.96250117   588
Gorizont 20
1 20659U 90 54  A 90200.67565930 -.00000191  00000-0  99999-4 0   309
2 20659   1.4506 269.2197 0018148 241.1368 119.4968  1.00255697    73
1990 054D
1 20662U 90 54  D 90194.63272051 -.00000331  00000-0  99999-4 0   126
2 20662   1.4948 269.1293 0015655 296.6548  63.6942  1.00512434   255
Cosmos 2084
1 20663U 90 55  A 90200.59639727  .00007190  00000-0  11641-2 0   538
2 20663  62.8053  82.4265 0125965   8.1706 352.1652 14.66814477  4062
1990 055D
1 20666U 90 55  D 90197.68699122  .00001667  00000-0  27488-3 0   193
2 20666  62.7952  91.3973 0121322  14.4345 346.0168 14.69533585  3647
INTELSAT-F6
1 20667U 90 56  A 90207.26374779 -.00000229  00000-0  99999-4 0   167
2 20667   0.3291 256.9693 0023207 329.7099 133.1088  1.00259988   355
1990 056C
1 20669U 90 56  C 90205.34975916  .00004894  00000-0  18629-2 0   212
2 20669  24.2163 253.6506 7415552  19.3527 358.1981  2.10983344   656
Meteor 2-19
1 20670U 90 57  A 90220.06575887  .00000078  00000-0  65326-4 0   368
2 20670  82.5439 247.4871 0016819 137.3325 222.9151 13.83842715  5694
1990 057B
1 20671U 90 57  B 90216.51423767  .00000047  00000-0  36479-4 0   120
2 20671  82.5422 250.2905 0015772 149.0383 211.1711 13.84159262  5206
GAMMA
1 20683U 90 58  A 90220.83500000  .00022654  00000-0  42585-3 0   582
2 20683  51.6196 307.9061 0013940 324.1485  35.6347 15.48382611  4426
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1990 059B
1 20686U 90 59  B 90220.97260423  .00468274 -70792-5  99271-3 0   524
2 20686  28.4880 147.7471 0488748  22.1280 340.0712 15.08698334  3602
RESURS-F7
1 20687U 90 60  A 90220.71377811  .00083187  21368-5  13817-3 0   475
2 20687  82.3126  78.0686 0010266 278.8957  81.0995 16.02819384  3583
Cosmos 2085
1 20693U 90 61  A 90219.65660633 -.00000107  00000-0  99999-5 0   251
2 20693   1.4442 271.8186 0003223  91.5256 268.5816  1.00277049   206
1990 061D
1 20696U 90 61  D 90214.65586223 -.00000128  00000-0  99999-4 0    73
2 20696   1.4667 271.5715 0029712  43.6361 317.0944  1.00176433   138
TDF-2
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2 20705   0.0649 210.4989 0002182 204.5213 304.9997  1.00265027   181
DFS-2
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2 20706   0.0822 249.5889 0002983 227.3072 243.1388  1.00271045   110
Cosmos 2087
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1990 064B
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2 20708  62.8203 113.5391 0190482 123.4976 238.3616 15.80246005  2214
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1990 064D
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2 20710  62.8940 164.4312 7330005 318.3939   4.7660  2.04559031   233
CRRES
1 20712U 90 65  A 90215.55298198  .00000170  00000-0  21908-3 0    44
2 20712  18.1949  43.6688 7124042 206.2139  85.9673  2.43366464   224
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1990 063C
1 20717U 90 63  C 90217.67474219  .00001193  00000-0  28179-2 0    99
2 20717   3.9123  86.8296 7247640 187.4820 148.4158  2.25171865   251
1990 066A
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2 20721  73.6032 303.9414 0024590 265.3819  94.4427 12.41006618  1070
Soyuz TM-10
1 20722U 90 67  A 90220.84253982  .00015909  00000-0  16933-3 0   157
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GPS BII-08
1 20724U 90 68  A 90218.99722221  .00000016  00000-0  99999-4 0    56
2 20724  54.7146 194.1753 0137525 116.3366 181.4646  1.99250853   139
1990 068B
1 20725U 90 68  B 90220.48319151  .01780671 -22537-4  11071-2 0   182
2 20725  30.1299 137.0263 0201845  84.2071 278.1560 15.85838576   988
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1990 062C
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1990 062F
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2 20733  62.8189 177.7890 0029338 119.2016 241.6961 16.39487289   821
1990 069C
1 20734U 90 69  C 90216.36824402  .15092355  41474-4  41924-2 0    40
2 20734  62.8105 196.0132 0063971 119.7482 241.2436 16.21707065    96
1990 070A
1 20735U 90 70  A 90220.55842604  .00000004  00000-0  00000 0 0    39
2 20735  82.5609  46.8346 0015303  17.9008 342.0354 12.64972609    59
```

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

---

From -387828684891946720
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cb73a1733f9b4d96
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-12 10:20:31 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Getting more people into Amateur Radio
Message-ID: <1259@ke4zv.UUCP>
Date: 12 Aug 90 13:21:57 GMT
References: <9008112050.AA14975@tilde>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 20
Posted: Sun Aug 12 14:21:57 1990

In article <9008112050.AA14975@tilde> dube@cpdvax.csc.ti.com writes:
>Design and sell a 99.95 rig. 50 to 75 watts, no frills. sell a $49.95 rig
>
>73,   Dube   N5PDK

Let's see, an entry level transmitter in 1962 cost $69.95. This was an Eico or Knight kit transmitter in the 50 to 75 watt input power class with CW and AM voice, crystal controlled of course. A decent new receiver cost about $150. A top of the line Chevy sedan cost $2000.

Today a HR2510 frequency synthesized SSB and CW radio costs $249 and a fairly full featured all band HF rig such as the IC725 costs $700. A Chevy sedan costs $28,000.

Looks like today's radios are already cheaper in real dollars than they
used to be. I'd love to see a good $69.95 radio available today, but
the chance of it happening is about as likely as 18 cent a gallon
premimum leaded gasoline.

Gary KE4ZV

From -1594527378366212321
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,412cedbf4cc01fd7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-12 14:52:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!tut.cis.ohio-state.edu!pt.cs.cmu.edu!andrew.cmu.edu!
<UNAUTHENTICATED>+
From: Anwar.Ghuloum@F.GP.CS.CMU.EDU
Newsgroups: rec.ham-radio
Subject: News from Kuwait
Message-ID: <650489819/anwar@F.GP.CS.CMU.EDU>
Date: 12 Aug 90 19:36:00 GMT
Organization: Carnegie Mellon, Pittsburgh, PA
Lines: 12
Posted: Sun Aug 12 20:36:00 1990

If any of you ham-radio operators hear of any news from inside Kuwait,
I would appreciate you contacting me. I'm mainly concerned about how
the civilian population is being treated.

thank you,
anwar

<anwar@cs.cmu.edu>

From 1177599767734625901
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8f4114f4953cc37
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-12 20:18:17 PST
Path: gmdzi!unido!mcsun!uunet!cos!hqda-ai!media!csense!bote
From: bote@csense.uucp (John Boteler)
Newsgroups: rec.ham-radio
Subject: Re: extended receive vhf/uhf equipment confiscated?
Message-ID: <1990Aug13.031817.634@csense.uucp>
Date: 13 Aug 90 03:18:17 GMT
References: <5463@plains.UUCP>
Organization: Common Sense Computing, McLean, VA.
Lines: 30

Posted: Mon Aug 13 04:18:17 1990

From article <5463@plains.UUCP>, by bezenek@plains.NoDak.edu (Todd M. Bezenek KO0N):

> Today I heard a rumor that extended receive vhf/uhf amateur radio
> equipment had been confiscated from the vehicles of radio amateurs
> in the state of New Jersey. Does anyone know of this sort of activity?
>
>   I often wonder what a highway patrol officer would think of my
> Kenwood TM-701 dual bander, but I really do not know what would happen
> should one of those gentlemen take interest in it.

I wouldn't advertise it, if you know what I mean, and I think you do :)

I remember the time I pulled off to the side of I-195 near Freehold
to check my trunk lid a couple years ago. As I slid back into the
car, I noticed all these red lights flashing behind me on the
shoulder.

"Good grief!" I thought; I gave a 'what-for?' shrug
to the officer, who asked if I needed any help. I informed
him that I was just checking, and as he turned around to
walk back to his patrol vehicle, he noticed my MICOR control
heads and asked what they were for.

I replied that they were for the fire department in my home town.
He perked up "OH! You're with the fire department, OK! Bye!"

No problem!

--
John Boteler   bote@csense.uucp   {uunet | ka3ovk}!media!csense!bote
NCN NudesLine: 703-241-BARE -- VOICE only, Touch-Tone(TM) signalling

From 5967876164045990699
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e15021f72d925ca
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-12 21:27:31 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!elroy.jpl.nasa.gov!ncar!noao!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Iridium Cellular Service
Message-ID: <2874@anasaz.UUCP>
Date: 13 Aug 90 04:27:31 GMT
References: <631@entec.Wichita.NCR.COM> <1990Aug9.123238.4911@ameristar> <205@bongo.UUCP>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 56
Posted: Mon Aug 13 05:27:31 1990

In article <205@bongo.UUCP> julian@bongo.UUCP (Julian Macassey) writes:
]Imternationally, the only reason for amateur radio is self training
]and experimentation. In most of the world "H&W Traffic" etc is third
]party and illegal as in "go to gaol". Modern telecommunications has
]long since outstripped anything we can currently do with 2 stations
]passing 3rd party on 20 meters. Think how much more traffic can zing
]directly to the recipients if you have 21 direct dial phone circuits
]rather than two tired radio ops passing messages to a guy in Atlanta
]who will try (possibly via telco) to get the messages to
]Pennsylvania.

Sigh. Here we go again. All I can say is that my experience disagrees with your theory. There have been too many situations that I have been involved in, both intra and inter-nationally, where the authorities have asked for and gotten amateur help in emergency communications. If we aren't needed for that, why do they keep asking?

Sure, they could do away with us with ENOUGH technology, but they don't have the budgets for that. On the other hand, since a pool of ham operators is always present, it provides the buffer during those rare occasions when there is a major emergency.

Furthermore, amateur radio has traditionally won many battles BECAUSE of our emergency work. When we go up against others in a governmental forum, our emergency justification seems to almost always have a significant impact in the deliberations. I watched an Air Force officer (non ham) show up, unsolicited, at a zoning hearing to tell the local city council how the US government considers ham radio a vital part of its civil defense/disaster radio network.

You may be right about the international justification (although I know of a lot of nations that have been very thankful for ham emergency communications). You are simply dead wrong about the politics of ham radio vs. the rest of the world when it comes to emergency communications. I believe you probably mistake the potential technical capabilities of available non-ham systems for an existing OPERATIONAL capability. There is a HUGE difference.
]
]   So yes, our internationally (as in WARC, ITU, CCIR) understood
]purpose is education and training. I really feel that the ARRL needs
]to get a grip on this.
]
]   It's 1990 and even Pitcairn Island is on the phone.
]
]--
]Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
]N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

--

John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -4090351812843772042
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75182ac734f6ec04
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-12 21:45:42 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!elroy.jpl.nasa.gov!ncar!noao!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Voodoo TV
Message-ID: <2875@anasaz.UUCP>
Date: 13 Aug 90 04:45:42 GMT
References: <9008100012.AA04190@cmr.ncsl.nist.gov> <1256@ke4zv.UUCP>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 64
Posted: Mon Aug 13 05:45:42 1990

In article <1256@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
]In article <9008100012.AA04190@cmr.ncsl.nist.gov> rc@CMR.NCSL.NIST.GOV (Robert Carpenter) writes:
]>
]>3) TV sets can easily handle signals on adjacent channels, if their strengths
]>are about the same. This how Cable TV channels are set up. 16,17,18,19,etc.
]
]Cable uses a carrier phase lock technique to make this possible. The cross
]modulation that does exist is not nearly so visible if all the carriers
]are locked together. This also means, by the way, that the channels are
]not on their FCC assigned centers, but the AFC in the set can handle it.
]Generally in the broadcast case signals are coming from various distances
]and at various strengths so this technique is not helpful.
]
Well, actually the cable channels operate on the correct carrier frequencies
for the channel. It is broadcast TV that runs offsets so that a few
users in a fringe area between two channels ON THE SAME CHANNEL don't
get low frequency beats between the carriers.

However, the reason that cable requires phase lock is to minimize the
effect of cross-modulation in the cable TV amplifier chains. This
modulation builds up through multiple re-amplification of the same
signal. Broadcast receivers don't have this problem unless there
is a drastic difference in signal strengths and they don't have
good front end amplifiers and/or mixers. Also, the sound carriers,
which are also high power, are not harmonically related to the picture
carriers.
]
]Signal strength at a given receiver can vary from a millivolt to a

]few microvolts from one station to another in a market. The FCC spacing
]rules attempt to give enough protection to the grade A service contours
]to yield a S/N ratio of at least 42db. Most broadcast equipment is
]designed to have at least a 60db S/N ratio. Home viewers rarely see
]this good a picture. Receivers are getting better all the time and the
]FCC is reviewing the spacing rules in their "dropin" proceeding.

A TV receiver cannot get a decent signal with less than 1 MILLIvolt.
Cable TV delivers 0 to +10 dBmv (1 to 10 millivolts) to the receiver.
Signals of a few microvolts are not an issue.

]
]Consider that our coordinating body won't allow adjacent channel (20khz)
]2 meter repeaters spaced less than 50 miles apart. Even this spacing
]causes annoyance to operators using either repeater who happen to live
]midway between them. Many consumers are unwilling to pay as much for
]the additional selectivity in their TVs that is offered by our expensive
]radios. And when they see additional interference, they'll blame it on
]those darn hams anyway.
]
]Most technical decisions that were made about broadcast TV were driven
]by the political goal of delivering as many minimally acceptable pictures
]to the public as possible at the absolute least cost to the consumer.
]Adding $30 cost to a $69 portable TV so the hams will be happy is not
]a realistic goal.
]

We aren't talking about using the TV spectrum for ham radios. We are
talking about using it for public safety. The ENTIRE amateur spectrum
below 1 GHz is about the same as the spectrum usage of ONE UHF TV station.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From 8106416602027995150
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36479d10cc463300
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-12 21:54:57 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcupt1!hprnd!hprmokg!barry
From: barry@hprmokg.HP.COM (Barry Fowler)
Newsgroups: rec.ham-radio
Subject: Re: Re: R L Drake (really: US Ham Manufacturers)
Message-ID: <29490018@hprmokg.HP.COM>
Date: 13 Aug 90 04:54:57 GMT
References: <3140002@hpcvts.cv.hp.com>
Organization: HP Networked Computer Mfg. Operation
Lines: 19

Posted: Mon Aug 13 05:54:57 1990

sanker@hpcvts.cv.hp.com (Greg Sanker) writes:

>Here is a question I've been pondering for a long time:
>
>What ever happened to R L Drake company??

R.L. Drake is still around. I believe they are still located in Miamisburg, Ohio.

They no longer manufacture amateur radio equipment BUT they still maintain a staff/parts for their equipment.

Their current product line deals with TV satellite receivers.

A friend of mine here has worked with them recently. If you need their number, e-mail me.

Barry
WB6JZL

From -7361063284039764572
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8ee3b078e164e3cb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-12 23:23:23 PST
Path: gmdzi!unido!mcsun!hp4nl!nikhefk!henkp
From: henkp@nikhefk.UUCP (Henk Peek)
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 filing
Message-ID: <770@nikhefk.UUCP>
Date: 13 Aug 90 01:36:43 GMT
References: <30500671@ux1.cso.uiuc.edu> <22@grivel.une.oz.au>
Sender: news@nikhefk.uucp (Daily News)
Reply-To: henkp@nikhefk.UUCP (Henk Peek)
Organization: Nikhef-K, Amsterdam (the Netherlands).
Lines: 15
Posted: Mon Aug 13 02:36:43 1990

amateur licences in the Netherlands:

(data 1 june 1990)

A 5413 full licence, cw 12 wpm
B   64 novice hf band licence, cw 5 wpm, full licence >30 MHz
C 6091 full licence > 30MHz, no cw
D 2916 novice licence, 145-145.775MHz FM only, no cw

The C licence started before 1968
The D licence started ~1975

The B licence is changed in ~1984 The old B licences are upgraded to A

Henk, PA0HZP

From -728060687473597866
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fd80dc536325fd5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,2fd80dc536325fd5,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-08-12 23:37:02 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!hercules!cslb.csl.sri.com!faunt
From: faunt@dustbin.cisco.com (Doug Faunt N6TQS 415-688-8269)
Newsgroups: sci.electronics,rec.ham-radio
Subject: lead-acid charging from automobile electrical system
Message-ID: <FAUNT.90Aug12194446@dustbin.cisco.com>
Date: 13 Aug 90 02:44:46 GMT
Sender: usenet@csl.sri.com
Followup-To: sci.electronics
Organization: cisco Systems, Menlo Park, CA
Lines: 16
Xref: gmdzi sci.electronics:7939 rec.ham-radio:13888
Posted: Mon Aug 13 03:44:46 1990

I want to charge and maintain a charge on a gel-cell from an
automotive electrical system. I think that one way to do this is to
hook up a low-voltage-drop voltage regulator IC in constant-current
mode for the maximum charging current (about 1.6 A in this case).
This will limit the current to the gel-cel to the maximum allowed
bulk-charge current if the gel-cel is deeply discharged, but allow the
gel-cel to be charged at a pretty high rate until it gets pretty full,
and then taper off. Do some of the battery experts have comments or
pointers to more information about this application?
Mostly this battery will be charged from an AC charger, but I would
like to be able to charge and maintain the charge in an automobile,
also.
thanx, doug
faunt@cisco.com
--
     faunt@cisco.com   415-688-8269

From 1643001536881818112
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 17:57:59 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <86@thoreau.nsc.com>

Date: 9 Aug 90 12:36:14 GMT
References: <14117@shlump.nac.dec.com> <30500651@ux1.cso.uiuc.edu>
<1990Aug8.190108.20257@csc.ti.com>
Organization: National Semiconductor, S. Portland, Maine
Lines: 17
Posted: Thu Aug 9 13:36:14 1990

In article <1990Aug8.190108.20257@csc.ti.com>, hoenig@osage.csc.ti.com (Mike Hoenig) writes:
> EMP WILL take   out ... electronics.
> THAT IS THE ADVANTAGE AND THE BASIS OF THE INTERNATIONAL
> REQUIREMENT FOR A KNOWLEGE OF CW BELOW 30MHZ.
>

That may be a good reason for the CW requirement now days. Without tubes which may become extinct in the next decade or so what good is that even. The origional reason for CW in HF requirements was to be able to communicate with distressed marine vehicles which ALL carried a minimum 500KHz emergency transmitter often capable of being powered by hand generators. Later the aeronautical interests adopted these radios for emengency purposes.

I wonder what the current requirements are along these lines. 500KHz is still an international distrress frequency isn't it?

Ron, K3FR

From -5900511735004905858
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e15021f72d925ca,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 18:25:20 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pt.cs.cmu.edu!rochester!udel!sbcs!ameristar!rick
From: rick@ameristar (Rick Spanbauer)
Newsgroups: rec.ham-radio
Subject: Re: Iridium Cellular Service
Message-ID: <1990Aug9.123238.4911@ameristar>
Date: 9 Aug 90 12:32:38 GMT
References: <631@entec.Wichita.NCR.COM>
Organization: Ameristar Technology, Inc
Lines: 24
Posted: Thu Aug 9 13:32:38 1990

In article <631@entec.Wichita.NCR.COM> kthompso@entec.Wichita.NCR.COM (Ken Thompson) writes:
>
>Copied from comp.dcom.telecom:
>   IRIDIUM - Motorola's New Cellular Phone System [Andrew Peed]
>---

[text of proposal deleted]

>telecommunications hardware now required. Since Iridium is not
>dependent on land-based communications links, it also would play a
>crucial role in disaster-recovery efforts following earthquakes,
>hurricanes, or other natural calamities.

And what do the "cellular as an emergency service" nay-sayers think of this use of Motorola's cellular system? I'm probably starting to sound like a broken record but we need to find new sources of political capital to keep our allocations! Public service, though a good customer in the past, isn't enough. The suggestion that education is a reasonable "market" seems like a good one, though it would seem that we should look to develop other sources too, eg use in research, public data service, etc.

Rick Spanbauer
WB2CFV

From -3251834257361864252
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aa845c79cb63e367,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 18:29:57 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!ucsd!ucbvax!comvax.csc.ti.com!hoenig
From: hoenig@comvax.csc.ti.com (Mike H...N5LTL...TI Pager: 4359)
Newsgroups: rec.ham-radio
Subject: Reply to Rick Spanbauer...bounced
Message-ID: <9008091410.AA29901@tilde>
Date: 9 Aug 90 14:10:21 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 40
Posted: Thu Aug 9 15:10:21 1990

From: CRDECF::HOENIG   "Mike H...N5LTL...TI Pager: 4359" 9-AUG-1990 09:04:23.77
To: TILDE::"ameristar!rick@sbcs.sunysb.edu"
CC: HOENIG
Subj: Re: Qualification-based licensing

The way I (mis)understand EMP, there's nothing you can do to prevent damage from it. Yes you can protect yourself from lightning's direct effects, but the indirect effect (EMP), not without hardening. Anyway, I should have gone a bit further in my statements, to indicate:

I am FOR a no-code license, but code DOES still have its place in the real world, vis-a-vis EMP if for no other reason. Consider:

Balloons are still allowed in the HOBBY of flying.
Model Ts are still allowed on our streets.

Large-wheelers are still allowed to be ridden by bicyclists. (Looking at the first example, I realize I may be implying too much that balloonists are "merely" hobyists. Such is not my intent.)

Sailboats still ply our waterways, as do paddlewheelers.

Amateur Radio is a hobby, and as such it has MANY facets. To state that any one facet is UNNECESSARY is tantamount to bigotry, IMHO, and I can point to several teenagers in my "home" club who would agree. This is not a flame directed at ANYONE; I sometimes get a bit strong in my statement of feelings...one of my personality quirks (I think we all have one or two of those..).

Anyway, to end on a higher note (A above middle C): thanks for your comments, Rick. I do realize we are all technically-oriented, I had simply never seen EMP taken into consideration when all our modern techno-rigs were being discussed. There are still several factions out in the world, any of which MIGHT someday use a nuclear weapon against the "civilized" world, and a lot of hams (myself included, as I have no major desire to work CW) are not going to be able to assist with traffic handling, due to their rigs' inability to cope.

73, and good Hamming!
Mike N5LTL

From 269305000382976974
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,881e27e919d1c201,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 18:42:13 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!usc!ucsd!ucbvax!hls.com!trop
From: trop@hls.com (Troy T. Pummill)
Newsgroups: rec.ham-radio
Subject: Yaesu FT-470 extended UHF Rx
Message-ID: <9008091509.AA15824@hls.com>
Date: 9 Aug 90 15:09:06 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 28
Posted: Thu Aug 9 16:09:06 1990

Does anyone know how to increase the UHF Rx on a Yaesu Ft-470. I have found a way to increase the VHF Rx to 130-170 MHz and would like to do the same for UHF.

BTW: Being a new addition to Info-Hams (and a fairly new addition to the Communicator licence with great interest. Is it possible that in the midst of the discussion that sight of the end goal may be lost?

It appears to me that the vast majority of my fellow hams are gentlemen with much experience in life, shall we say. It also appears to me that the influx of new hams is minimal. Is it possible that new class of licence might be the only manner in which to save the spirit of our hobby from its demise?

Now, check your flame throwers at the door, gents. This is just food for thought.

```
--------------------------------------------------------------------------------
|  Troy T. Pummill, N6XMV   |  trop@hls.com                             |
|  Sr. Technical Instructor |  ...uunet!{lanslide.hls.com,sytek}!trop   |
|  Hughes LAN Systems       |  1225 Charleston Rd., Silicon Gulch       |
|  Mountain View, CA        |  The preceding drivel is entirely my own! |
--------------------------------------------------------------------------------
```
Invisible airwaves crackle with life, bright antenna bristles with the energy
Emotional feedback on timeless wavelength, bearing a gift beyond price....
Almost free.   "Spirit of Radio" - Rush

From -2310064676253881357
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3a7087da0aa6ed37,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 20:15:32 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!select.enet.dec.com!magid
From: magid@select.enet.dec.com (Joel Magid...)
Newsgroups: rec.ham-radio
Subject: RM-7242
Message-ID: <14439@shlump.nac.dec.com>
Date: 9 Aug 90 14:24:33 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 3
Posted: Thu Aug 9 15:24:33 1990

I am looking for a copy of RM-7242, does anyone have a copy on-line that they can send to me or post here ?

From -6754052893373113056
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6689244f30762af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 20:40:19 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!math.lsa.umich.edu!spsd3260a.erim.org!hideg
From: hideg@spsd3260a.erim.org (Steve Hideg (Mr. Fabulous))
Newsgroups: rec.ham-radio
Subject: Re: Communicator Class
Message-ID: <1990Aug9.171858.12683@math.lsa.umich.edu>
Date: 9 Aug 90 17:18:58 GMT

Sender: usenet@math.lsa.umich.edu
Organization: ERIM
Lines: 17
Posted: Thu Aug 9 18:18:58 1990
References:<9007260548.AA16565@tecnet1.jcte.jcs.mil> <80@thoreau.nsc.com>
<82@thoreau.nsc.com> <976@ssc.UUCP>

In article <976@ssc.UUCP> markz@ssc.UUCP (Mark Zenier) writes:
> Fraternity, I don't want to join some stinking fraternity. All
> I want to do is sit in my basement and build things that go Beep,
> not join some lodge with its strange rituals and hazing. But
> the regulations say that if I want to build a transmitter bigger
> than 1 Watt, I either have to have a serious amount of money or
> be a ham.

So, why mess with communications equipment if you don't want
to communicate with anyone?

Transmit into a dummy load, there'll be nobody to bother you there.

____
Steve Hideg (N8HSC)

hideg@spsd3260a.erim.org

From -2658965095594722401
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9dc02c08fa189bb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 20:59:27 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Plan to TAKE AWAY 2 Meters and 440
Keywords: TV, Bandwidth, HDTV
Message-ID: <1136@ke4zv.UUCP>
Date: 9 Aug 90 12:21:41 GMT
References: <1699@raybed2.msd.ray.com> <30500650@ux1.cso.uiuc.edu>
<1124@ke4zv.UUCP> <2852@anasaz.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 82
Posted: Thu Aug 9 13:21:41 1990

In article <2852@anasaz.UUCP> john@anasaz.UUCP (John Moore) writes:
>In article <1124@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
>]Actually it is 12Mhz of empty space, second adjacent is the rule. Each
>]broadcast channel is 6Mhz. Second adjacent means two channels or 12Mhz.
>
>This is true for VHF, but not for UHF. UHF has at least 3 empty channels
>between each station. Here in Phoenix (population > 2 million), it has
>6 empty channels each. In addition, harmonic and intermod relationships

>cause additional channels to be set aside. This IS a big waste.

Actually as a percentage of the operating frequency, this is even closer spacing than at VHF. The Q of a filter effects it's PERCENTAGE bandwidth. Normal practice is to space the channels as far apart as possible, filling in the holes only when new stations are built.

>
>]Designing a fliter system that is very flat with 0.2 degree phase linearity
>]over a 6 Mhz bandwidth while having high rejection immediately adjacent
>]is neither simple nor cheap. Phase linearity is the key here as our
>But it really isn't that hard to do for rejection with ONE guard channel
>on each side, which would greatly reduce the waste of UHF spectrum.

In fact the FCC has recently completed a "dropin" channel study to see if more channels can be used in the VHF band. There are many factors to be considered such as co-channel interference, adjacent channel interference, second adjacent channel interference, intermod, and image interference. Already mileage seperation rules are routinely waived if the local terrain will insure adequate blockage. Another nasty little problem is TV channel 6 and noncommercial FM broadcasting. Since they share immediately adjacent frequencies, this has been the source of many problems. Also TV channel 14 has been taken out of service in some areas to protect land mobile users. Similarly Ch 69 has been eliminated in many communities to protect cellular phone.

>
>I should also point out that an experimental license was issued to
>at least one company that transmits data on ADJACENT UHF channels.
>Their trick: they only transmit during the sync pulses from the adjacent
>station, at which time the TV is tens of dB less sensitive to interference.
>A neat (and patented) trick, IMHO.

They also use much less power which helps as well. But it's not another television service. Remember too that there are $50 billion dollars worth of receivers out there now and nobody seriously thinks they can obsolete that much equipment overnight.

>
>]>But what is really sad is that VHF and UHF TV is a primarily FIXED
>]>point-to-multipoint service, which is more suitable to spectrum above
>]>2 to 4 Ghz. FM radio broadcasting still tends to be mobile enough
>]>that it should not have to move up there. The appropriate usage for
>]>spectrum in the 30-3000 Mhz range is mostly mobile.
>]
>]This sounds reasonable at first glance, however there are millions
>]of "portable" televisions in operation in this country. In addition,
>]if you think we have ghosting problems now, you have no idea how
>]much worse multipath becomes as you go up in frequency.
>
>Pay TV is in fact transmitted on microwave in many areas of the US.
>I have heard no reports of multipath (since they use a roof mounted
>dish or loop yagi). It DOES work. I would hope that any broadcast

>HDTV use microwave spectrum ONLY.

You may not have heard of multipath problems, but I sure have. Moving
the antenna as little as an inch up down or sideways can change the
picture from great to unusable. Most homeowners don't install antennas
with that much care. Most pay TV using the MDS system uses trained
installers for the receivers. Most of the receivers are installed at
hotels and bars. Many locations simply can't be served. Microwave
service is extremely terrain sensitive. What might work in the
wide open spaces of the west simply fails in the rolling terrain of
the east and in densely populated areas. Case in point, we use microwave
links between our studios and transmitter in Atlanta. Due to the
high rise mania in midtown, new buildings are springing up all the
time in or near our path. We have had to construct new towers twice
in the last three years to keep our signal going to our transmitter.
In one case the building was directly in the way, in the other case
the building was in the first fresnel zone and multipath became
intolerable. That's two new 300 foot towers less than 100 yards
apart in two years. No consumer is going to put up with that.

Gary KE4ZV

From -1105970821660844364
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 20:59:30 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!samsung!emory!
wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: extra exam matter Re: Qualification-based licensing
Message-ID: <1138@ke4zv.UUCP>
Date: 9 Aug 90 12:56:22 GMT
References: <10437@crdgw1.crd.ge.com> <18230025@hpfcdj.HP.COM>
<83@thoreau.nsc.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 21
Posted: Thu Aug 9 13:56:22 1990

In article <83@thoreau.nsc.com> rtodd@thoreau.nsc.com (Ron Todd) writes:
>In article <18230025@hpfcdj.HP.COM>, myers@hpfcdj.HP.COM (Bob Myers) writes:
>>
>> Let's dump "punishment
>> licensing" (as Wayne Green used to call it) as soon as we can!
>> ||||||||||
>
>How many remember that back in '62 to '65 or so Wayne Green was
>one of the prime driving forces behind Incentive Licencing? Time
>works in strange ways!

Since I was both licensed and a subscriber to 73 during that time period, I can say that Wayne was NOT in favor of incentive licensing then nor now. In fact he attempted to setup an opposing body to the ARRL called the IARL to lobby against the ARRL's incentive licensing scheme. He predicted then that incentive licensing would stifle amateur radio. I have every issue of 73 on file (charter subscriber) so if you have a quote that supports your claim, post the issue number.

Gary KE4ZV

From -2035182819203310667
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 20:59:41 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <1137@ke4zv.UUCP>
Date: 9 Aug 90 12:41:44 GMT
References: <14117@shlump.nac.dec.com> <30500651@ux1.cso.uiuc.edu> <16831@ucsd.Edu> <312@adept.UUCP> <1990Aug8.190108.20257@csc.ti.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 30
Posted: Thu Aug 9 13:41:44 1990

In article <1990Aug8.190108.20257@csc.ti.com> hoenig@osage.csc.ti.com (Mike Hoenig) writes:
>In article <312@adept.UUCP> alan@adept.UUCP (Alan Ruffer) writes:
>>In article <16831@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>>>The supposed advantage of CW for weak-signal work is an illusion with
>>>recent technology.
>>> - Brian
>>
>   Am I the only one on this Internet who has heard of EMP? You know,
>   that well-documented feature of lightning, nuclear weapons, etc., which
>   makes ALL of "today's technology" nothing more than rocks? Something
>   about: If your equipment is not "hardened" against it, EMP WILL take
>   out your commercially-built, general-public electronics. I understand
>   that even military electronics has its limits, and it IS being hardened
>   these days. THAT IS THE ADVANTAGE AND THE BASIS OF THE INTERNATIONAL
>   REQUIREMENT FOR A KNOWLEGE OF CW BELOW 30MHZ.

So you're saying that the ITU in their great wisdom forsaw EMP from nuclear weapons in 1927 when they mandated CW? Get real! If EMP gets your general-public electronics (your radios) you're going to send and receive CW? With what? Are you going to dust off your tube radio, throw away it's microphone, and send CW? Or maybe you are going to BUILD a radio from the parts of discarded TVs. Too bad! all the TVs are solid state too and are trash.

In reality, protection from EMP is fairly well understood by the technical community. Other than equipment connected to large outside antennas, most equipment will survive any EMP that YOU will survive. In the ham radio world that means VHF/UHF HTs. Let's see, where do I plug the CW key into this FT470?

Gary KE4ZV

From -2282393551765119546
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9625099a8e478d93,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 21:32:25 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!PUCC.PRINCETON.EDU!DXANDY%widener
From: DXANDY%widener@PUCC.PRINCETON.EDU
Newsgroups: rec.ham-radio
Subject: 2m Mobiles
Message-ID: <5A08090E000A0211-MTABWIDENER*DXANDY@widener>
Date: 9 Aug 90 19:13:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Thu Aug 9 20:13:50 1990

Hi!

I am thinking of buying a 2m mobile and I have a few questions about installing it in my car. I wanted to use one of those on-glass antennas, since I am really not keen on drilling holes in my new car! My car has a post-factory installed tinted windows that is actually tinted plastic coating. Will this tinted layer adversely affect the performance of the antenna? Or perhaps will the antenna affect the tint?

The rig I am thinking of buying is the Alinco DR-110. I already have an Alinco DJ-160 HT and that has been good value for the money. If anyone has any recommendations, I would be interested in hearing them.

On a slightly different note, how much traffic does this digest get? I am on the BITNET side of things and when the digest was carried by the SIMTEL machine, the digest came at about a rate of one a day, now that rate seems to be about one every full moon.

73's

Andy Greenshields N3IGS
[dxandy@widener.BITNET]

From -6776273256771008261
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ff1f5f8dcd222e3a
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-08-09 21:54:21 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!ryn.esg.dec.com!ultnix!taber
From: taber@ultnix.enet.dec.com (Patrick Taber)
Newsgroups: rec.ham-radio
Subject: Re: Tower climbing safety
Message-ID: <2473@ryn.esg.dec.com>
Date: 9 Aug 90 11:47:05 GMT
References: <4140018@hpnjld.HP.COM>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick Taber)
Organization: Murder Inc.
Lines: 31
Posted: Thu Aug 9 12:47:05 1990

In article <4140018@hpnjld.HP.COM>, eyg@hpnjld.HP.COM (Ed Gilbert) writes:
|>
|> I occasionally find myself doing antenna work atop guyed towers
|> such as Rohn 25 or 45. While I feel quite safe once I am buckled
|> in with a safefy belt, I keep thinking that there must be some
|> simple devices that could make the climb up or down safer. Does
|> anyone know of a commercial device that can prevent a person from
|> falling off a tower during climbing?

The most common fix is to use "gorilla hooks." These are hooks that have a snap-closed link over the hook opening (like a carabinier clip) that attatch to your climbing belt (One on each side) with a three or four foot section of line. On the way up, you clip one to the tower, climb a few rungs, reach up as high as you can and clip the next one. Reach back and unclip the first. Climb a few rungs... (etc.) If you slip, one of the hooks will be in place to hold you. The clips pretty much get hooked on where you would normally be holding with your hands anyway. It's low-cost and low-tech. The people who sell climbing belts in the back of QST usually sell gorilla hooks if you don't want to make your own. (At least your estate will have someone to sue.)

There are also commercial devices that attach to a cable running down the tower and lock to the cable if you start moving fast (assumes fast = falling.) These are often available from tree service suppliers or construction suppliers that specialize in steel.

>>>==>PStJTT
Patrick St. Joseph Teahan Taber

My employer doesn't care what I think. I, in turn, don't care what you think. You probably don't care what my empolyer thinks. Thus is life a circle.

From -351423076662078781
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 21:54:28 PST

Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!ryn.esg.dec.com!ultnix!taber
From: taber@ultnix.enet.dec.com (Patrick Taber)
Newsgroups: rec.ham-radio
Subject: Re: extra exam matter
Message-ID: <2476@ryn.esg.dec.com>
Date: 9 Aug 90 12:02:44 GMT
References: <10861@crdgw1.crd.ge.com> <10437@crdgw1.crd.ge.com> <18230025@hpfcdj.HP.COM> <83@thoreau.nsc.com>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick Taber)
Organization: Murder Inc.
Lines: 47
Posted: Thu Aug 9 13:02:44 1990

In article <10861@crdgw1.crd.ge.com>, perley@galaxy (Donald P Perley) writes:
|> I questioned how questions about what element designators (1a, 3b,
|> etc) are required for what lisence would help ensure legal operation
|> of your extra class station (the supposed purpose of the legal section
|> of the exam).
|>
|> Several people pointed out that one of the priviledges of the Extra was
|> to be a VE, so you should know these things. I just got my 610 in the mail
|> yesterday, and all of the elements required for each class are printed
|> right on the form. Since it is apparently impossible to excercise the
|> VE priviledge without someone handing you a 610, I say again: Is there
|> any point to memorizing yet another list?
|>

Hey, it's impossible to open a log book without finding a band plan in it, why should there be questions about band edges? It's not very likely that I'll be designing circuits without reference books nearby, why should there be questions requiring memorization of equations?
[...]

|>
|> Again, I am not saying "They shouldn't ask these because they are too
|> hard," I am saying they shouldn't ask them because they are useless,
|> and they displace questions that could be more relavent.

Relevent to whom? Why should I learn how long it takes to send a FAX or how many lines are in one? It's not relevent to me. Why cant the test be only what I want and not what I don't want? These are the imponderables of ham radio. In the end, they make little or no difference -- the code, the questions, the process -- the test will never satisfy everyone, and it will satisfy the people who are about to take it least of all. I'm not saying you shouldn't care about making it better -- but I am saying that you never will.

|>
|> I suppose I should really be venting this steam towards the ARRL. Maybe
|> after I take the test.
|>

Jeeeeze, the ARRL must be the Anti-Christ, huh? They seem to be responsible for everything that's bad. I suppose it's out of the question that the FCC might have some input into the makeup of the exams?

|>
|> perley@trub.crd.ge.com
|>
>>>==>PStJTT
Patrick St. Joseph Teahan Taber

My employer doesn't care what I think. I, in turn, don't care what
you think. You probably don't care what my empolyer thinks. Thus is
life a circle.

From 3220299279690297409
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 22:54:43 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!swrinde!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <17099@ucsd.Edu>
Date: 9 Aug 90 19:31:28 GMT
References: <16831@ucsd.Edu> <312@adept.UUCP> <1990Aug8.190108.20257@csc.ti.com>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 30
Posted: Thu Aug 9 20:31:28 1990

In article <1990Aug8.190108.20257@csc.ti.com> hoenig@osage.csc.ti.com (Mike Hoenig) writes:
>In article <16831@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>>The supposed advantage of CW for weak-signal work is an illusion with
>>recent technology.
>>   - Brian
>
>   Am I the only one on this Internet who has heard of EMP? You know,
>   that well-documented feature of lightning, nuclear weapons, etc., which
>   makes ALL of "today's technology" nothing more than rocks? Something
>   about: If your equipment is not "hardened" against it, EMP WILL take
>   out your commercially-built, general-public electronics. I understand
>   that even military electronics has its limits, and it IS being hardened
>   these days. THAT IS THE ADVANTAGE AND THE BASIS OF THE INTERNATIONAL
>   REQUIREMENT FOR A KNOWLEGE OF CW BELOW 30MHZ.

You'll be dead and I'll be dead and most of everyone we ever loved,
hated, or cared about will be dead too. The universe won't notice and
won't care.

If you are fool enough to think that God, as your personal handmaiden,
is going to help you survive the attack, provide you with power,
re-erect your antennas, and make you a valuable addition to
reconstructing the tatters of society that remain after a nuclear
attack, then by all means, learn CW. Perhaps you'd also like to father

all the children we'll need to repopulate the world, too.

The idea is to make nuclear war unthinkable, Strangelove. Not to
try to survive it. The more people who think nuclear war is survivable,
the more likely we are to have one. Wake up.
          - Brian

From 7223187105118698897
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,129596b5d3e80f22
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 23:20:11 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!Teknowledge.COM!unix!
hplabs!hpcc01!hpcuhb!hpsqf!hpqtdla!jdg
From: jdg@hpqtdla.HP.COM (James Gentles)
Newsgroups: rec.ham-radio
Subject: Re: Logic vs. Analog ground
Message-ID: <3430008@hpqtdla.HP.COM>
Date: 9 Aug 90 07:31:30 GMT
References: <1990Aug6.234255.791@csense.uucp>
Organization: HP, Queensferry Telecomms, Scotland
Lines: 17
Posted: Thu Aug 9 08:31:30 1990

>Now we have two grounds internal to our circuit board.
>What do we do with them?

Tie them together at the power supply, or as close to the power supply as
possible. That way, switching currents in the logic ground do not lead to
voltage variations in the analogue ground because of the resistance in
the logic ground wires.
James Gentles GM4WZP
```
----------------------------------------------------------------------
Opinions expressed are my own, and are not intended to be an official
              statement by Hewlett-Packard Company
----------------------------------------------------------------------
Name:         James Gentles   GM4WZP
Organization: Hewlett-Packard  Queensferry Telecomunications Division
Email:        jdg@hpqtdla.hpsqf.hp.com                          hp-sdd
Address:      Station Road, South Queensferry, West Lothian, Scotland
----------------------------------------------------------------------
```

From 6202597305249796060
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 23:24:44 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: EMP in the movies

Keywords: EMP, "Testament"
Message-ID: <7286@helios.TAMU.EDU>
Date: 9 Aug 90 15:36:47 GMT
References: <1990Aug8.235752.11346@bellcore-2.bellcore.com>
<1990Aug9.031915.4213@ameristar> <43787@apple.Apple.COM>
Sender: usenet@helios.TAMU.EDU
Organization: Computer Science Department, Texas A&M University
Lines: 17
Posted: Thu Aug 9 16:36:47 1990

In article <43787@apple.Apple.COM> winter@Apple.COM (Patty Winter) writes:
>
>Well, I can't let this discussion of electromagnetic pulses go by
>without mentioning the nice bit of accuracy in the movie "Testament."
>When nuclear bombs destroy the San Francisco area, EMP fries the
>transistorized equipment of the local ham (your basic grandfatherly
>type) in the small Sierra foothills town where the movie is set.
>BUT!....his old tube-based gear survives, and he uses it to maintain
>contact with the outside world as long as possible.

I knew there was a reason I didn't get rid of all that old Heathkit
stuff I have laying around the shack. :-)

Come on A-bombs, I'm ready for ya!!

bill   KB3YV

From -3232851970193116571
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 23:44:20 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Summary: Low Tech EMP Proofing
Message-ID: <204@bongo.UUCP>
Date: 10 Aug 90 06:44:20 GMT
References: <14117@shlump.nac.dec.com> <30500651@ux1.cso.uiuc.edu>
<1990Aug8.235752.11346@bellcore-2.bellcore.com>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 39
Posted: Fri Aug 10 07:44:20 1990

In article <1990Aug8.235752.11346@bellcore-2.bellcore.com>, karn@envy.bellcore.com
(Phil R. Karn) writes:
>
> In article <1990Aug8.190108.20257@csc.ti.com>, hoenig@osage.csc.ti.com
> (Mike Hoenig) writes:
> |> Am I the only one on this Internet who has heard of EMP? You know,

> |> that well-documented feature of lightning, nuclear weapons, etc., which
> |> makes ALL of "today's technology" nothing more than rocks? Something
> |> about: If your equipment is not "hardened" against it, EMP WILL take
> |> out your commercially-built, general-public electronics. I understand
> |> that even military electronics has its limits, and it IS being hardened
> |> these days. THAT IS THE ADVANTAGE AND THE BASIS OF THE INTERNATIONAL
> |> REQUIREMENT FOR A KNOWLEGE OF CW BELOW 30MHZ.
>
> Yup, why just last week a nuclear weapon exploded near my house and
> the resulting EMP destroyed all of the SSB and RTTY circuits in my
> IC-751A. But the CW circuits kept on workin' just fine. Boy, was I
> glad I had learned the code so I could keep on chewin' the fat with the
> boys on 80...
>

Yup and us guys down here in the third world where the local telco still uses Strowger gear and the phones are all rotary, we don't worry about EMP either. Every day, most of our calls fail and the audio quality sucks. Long distance is a nightmare. But hey when they drop the big one, we can call each other up and say: "Cecil, did you see that flash? Sure scared the womenfolk round here, them that's still alive.

But of course, all the cars with microprocessors will be useless too. Good thing I know how to ride a horse. If I had my way, I would make horsemanship a requirement for a drivers licence. When nothing else will get through a horse will. We need horse riding skills for disaster relief.

And now we return you to the late 20th century.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From 3581773725908753759
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,40db9f57f77e1234
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 00:09:07 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!zaphod.mps.ohio-state.edu!ncar!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Encoded serial number to replace QSL's to confirm DXCC etc QSOes.
Message-ID: <2859@anasaz.UUCP>
Date: 9 Aug 90 15:24:49 GMT
References: <744.26BE6052@weyr.FIDONET.ORG> <1250211@hpnmdla.HP.COM> <1990Aug9.064313.12573@bellcore-2.bellcore.com>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 30

Posted: Thu Aug 9 16:24:49 1990

In article <1990Aug9.064313.12573@bellcore-2.bellcore.com> karn@envy.bellcore.com
(Phil R. Karn) writes:
]In article <1250211@hpnmdla.HP.COM> dougb@hpnmdla.HP.COM (Doug Bender) writes:

]I disagree. The rules prohibit the hiding of information - they do not ban
]the use of cryptography purely for authentication purposes.

An important point for folks to remember! Encryption in this sense is
no different than passwords, and there are tons of repeater control
passwords flying around the ether.
]is hidden. A public key scheme would be much better here, since it would
]eliminate ANY possibility of hiding information (anyone could verify
]an authenticator, even though only the originator could have generated
]it).
For the truly paranoid, this is not quite true. For example, the
choice of public key could be used to transmit some bits of information
to a secret agent ;-)
]
]Of course, to make any such scheme cryptographically secure it would
]have to consist of at least 64 bits of both plaintext and ciphertext.

Not quite true, either. For one thing, the plaintext can be extended
with random salt, which does not need to be sent. Thus only the
ciphertext need to be long. And, it only need be long enough to
detect guessing. The public keys can still be quite long.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From 8597460348485451730
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ea87c16018716ecc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 00:09:22 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!ncar!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: EMP a justification for CW? Dont make me giggle!
Message-ID: <2860@anasaz.UUCP>
Date: 9 Aug 90 15:39:18 GMT
References: <09.Aug.90.10:00:41.BST.#1077@UK.AC.NWL.IA>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 64
Posted: Thu Aug 9 16:39:18 1990

In article <09.Aug.90.10:00:41.BST.#1077@UK.AC.NWL.IA> PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon") writes:
]EMP as a justification for CW testing? Dont make me giggle!
]Remember; a decent EMP will take out *all* your semiconductor devices; it will
]also make quite a mess of even some electromechanical systems (do any telcos
]still have STROWGER exchanges? *they* just *might* survive!).

I think it may be time to inject a bit of reality into this EMP discussion. I have heard the following myths:

(1) EMP isn't a threat, because the same bomb will destroy you anyway.

-This is simply NOT true. A deliberate EMP attack involves detonating high yield weapons at very high altitudes. Only the light and the EMP makes it to the earth's surface.

(2) EMP will wipe out all your semiconductors.

-Hey, folks, EMP is not some magic demon that seeks out and destorys micron-sized transistors! It is radio frequency electromagnetic radiation, of extremely high power, lasting a very short time. As such, it requires antennae before it can do damage. If your equipment is reasonably lightning protected, it is also reasonably EMP protected. Furthermore, the energy goes down with frequency, so most 2 meter and 440 equipment will survive (unless it gets zapped from the commercial power mains). Most of our repeater sites here in Arizona are hardened to FEMA standards for EMP, and have emergency power that would also withstand EMP. We did this primarily for lightning protection! Your HT's would almost certainly survive (unless they were plugged into rechargers at the moment of truth). Lots of HF gear, but certainly not all, would survive. Mine would probably survive because it spends most of its time disconnected (to protect it from lightning).

Re: EMP as a reason for CW. Well... that's stretching it a bit folks.
CW IS useful in emergencies, but for more mundane reasons:
(1) It gets through where SSB doesn't.
(2) Lower radiated power can be used. Since power supplies AND antennae are problematical in emergencies, this counts.
(3) It is, in fact, much easier to rig an emergency transmitter. As has been pointed out, it is not easier to rig an emergency receiver.
(4) It is more likely to be available, especially in third world countries, than DSP based systems (at least for the next 10 years). Lots of our emergency communications are with third world countries.
(5) It seems to be better than voice for communicating between speakers of different languages.

Finally, let me point out that I don't have a strong opinion on whether the above should force CW to be required for an HF license. I do STRONGLY support a CODELESS license for ALL VHF/UHF frequencies with full priviledges on those frequencies.

This extra class licensee says:

---DOWN WITH INCENTIVE LICENSING!---

[gee, I've been waiting 25 years to say that! ;-)]

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -5811637433578320958
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6e6377e904030f64
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 00:35:08 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Re: Repeaters
Message-ID: <9008092126.AA25529@tilde>
Date: 9 Aug 90 21:26:10 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Thu Aug 9 22:26:10 1990

I've travelled about the country quite a bit, talking to other Hams via open repeaters. I've never been asked to leave a repeater because I didn't belong to its club; nor have I been asked if I belonged to it or any other repeater group. In the rare occasions when I've wanted to do something other than the usual BS (such as a phone patch, for instance), I have always asked for and received help. Someone was always willing to dial up the number for me. I just can't imagine an area where there's the kind of squabbling over who can use an open repeater that I infer from some of the postings.

73,   Dube   N5PDK

From 1124768295361602458
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2920b753575b41de
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,2920b753575b41de
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-08-10 02:19:13 PST
Path: gmdzi!unido!mcsun!ukc!icdoc!gould!kpt
From: kpt@doc.ic.ac.uk (Kevin Twidle)
Newsgroups: rec.ham-radio,rec.radio.shortwave

Subject: Re: English R1 Manual available via anonymous ftp
Message-ID: <KPT.90Aug10101913@dirty.doc.ic.ac.uk>
Date: 10 Aug 90 09:19:13 GMT
References: <1990Aug7.231645.12444@portia.Stanford.EDU> <26483@usc.edu>
Sender: news@doc.ic.ac.uk
Organization: Dept of Computing, Imperial College, London, England
Lines: 50
Xref: gmdzi rec.ham-radio:13846 rec.radio.shortwave:1819
Posted: Fri Aug 10 10:19:13 1990
In-reply-to: kjh@pollux.usc.edu's message of 8 Aug 90 09:01:35 GMT

In article <26483@usc.edu> kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:

> After reading this R1 manual, I failed to spot any "delay" function, whereby an extra delay can be added to a simplex frequency, or a frequency with a repeater with a short hang time, so scanning won't resume until a response is heard. Does the R1 or the R100 have a delay function?

You can set the R1 to pause for 10 seconds and then continue regardless of any signal being present or to lock on to a frequency in use and only continue if the signal goes away for two seconds. Yes it would be nice to be able to increase this time.

> I also note the lack of "banks" for scanning, although you can set the lower and upper memory channel to scan between, effectively having 1 bank.

Yes the R1 does have 10 scanning banks with two frequencies, tuning step and receive mode settings for each bank (see pages 16 & 17 programmed scan). When scanning in this way you can just press a digit at any time to switch to that bank. You can also press MW (Memory Write) if you get a signal that you don't want; the R1 will then store that in a memory and ignore that frequency in future.

The R1 has in addition an upper and lower bound for scanning memory channels. When scanning a range of memory channels you can set individual channels to be skipped and you can do a mode scan whereby only memory channels set to eg. AM are scanned. In addition to this, you can set the R1 into priority watch while scanning memories and it will check the next memory channel in turn every five seconds.

> If Icom is planning for a future model with these features, or more memories, then I think they should be faulted for this also. They should just do it right the first time, corner the market, and take their profits right away. I'm a poor student, and although I would like such a receiver, even as it is, I can (and will) wait until something more to my liking comes out. :-)

I would like to be able to set a frequency on the VFO and then say ok scan up (or down) from here; I can only do that at present if the VFO frequency is in one of the scanning bank ranges and then it switches to the bank's mode and tuning step.

Kevin
--

Kevin Twidle G8RKU   Tel: +44 71 589 5111 x5068   Fax: +44 71 581 8024
 Dept of Computing, Imperial College, 180 Queen's Gate, London SW7 2BZ, England
 Email: kpt@doc.ic.ac.uk, kpt%uk.ac.ic.doc@nsfnet-relay.ac.uk, ..!ukc!icdoc!kpt
"It's not the cough that carries you off, it's the coffin they carry you off in"

From 1238096312955688922
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e15021f72d925ca
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 05:44:47 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!apple!vsi1!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: Iridium Cellular Service
Message-ID: <2844@wyse.wyse.com>
Date: 9 Aug 90 18:53:03 GMT
References: <631@entec.Wichita.NCR.COM> <1990Aug9.123238.4911@ameristar>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 48
Posted: Thu Aug 9 19:53:03 1990

In article <1990Aug9.123238.4911@ameristar> rick@ameristar (Rick Spanbauer)
writes:
>In article <631@entec.Wichita.NCR.COM> kthompso@entec.Wichita.NCR.COM (Ken
Thompson) writes:
>>
>>Copied from comp.dcom.telecom:
>>   IRIDIUM - Motorola's New Cellular Phone System [Andrew Peed]
>>--
>
>   [text of proposal deleted]
>
>>telecommunications hardware now required. Since Iridium is not
>>dependent on land-based communications links, it also would play a
>>crucial role in disaster-recovery efforts following earthquakes,
>>hurricanes, or other natural calamities.
>
>   And what do the "cellular as an emergency service" nay-sayers think
>   of this use of Motorola's cellular system? I'm probably starting to
>   sound like a broken record but we need to find new sources of political
     capital to keep our allocations! Public service, though a good customer
>   in the past, isn't enough. The suggestion that education is a
>   reasonable "market" seems like a good one, though it would seem that
>   we should look to develop other sources too, eg use in research,
>   public data service, etc.
>

> Rick Spanbauer
> WB2CFV

First...the system isn't in place, doesn't have approvals for spectrum usage, etc yet. Until it IS in place, it doesn't help solve the communications problems out in the boonies. It obviously will if it does become a reality.

Secondly...depending on any ONE system in emergency work isn't a great idea. Ham radio isn't the ONLY way to solve emergency problems, its just one of the answers....and will probably remain so. All of these systems are viewed as complementary by the emergency services using them...not in competition.

As for looking to other ways to justify our spectrum allocation, the emergency aspect SHOULDN'T be used as the only arguement...but it IS the easiest one for the general public to relate too, and will probably remain so as well.

The educational aspect that you mention is a good idea, and is being practically pursued last time I looked...the SAREX program is a good example. There is always room for new ideas, and new efforts in this direction though....got any good ideas on how to employ ham radio along these lines?

Steve KA6S

From 2306937470715505889
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75182ac734f6ec04,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 07:37:54 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Voodoo TV
Message-ID: <9008100012.AA04190@cmr.ncsl.nist.gov>
Date: 10 Aug 90 00:12:11 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 38
Posted: Fri Aug 10 01:12:11 1990

Voodoo Radio died out on the net some time ago, now we are getting a dose of Voodoo TV. Please look at any FCC TV allocation chart, or even think a little.

1) At VHF, TV channels in the same city may have as little as 4 MHz guard band between them: ie. channels 4 and 5; 66-72, 76-82 MHz. New York City has stations on chans 2, 4, 5, 7, 9, 11, 13, and UHF, for example.

2) At UHF, the percentage difference in carrier frequencies isn't a big problem for adjacent channels, since all TV sets are (surprise) superheterodynes! Front-end selectivity does affect image response, and helps a lot on some of the unwanted mixing products, of course.

3) TV sets can easily handle signals on adjacent channels, if their strengths are about the same. This how Cable TV channels are set up. 16,17,18,19,etc.

4) If all a town's transmitters were on the same antenna, you just might be able to use adjacent channels, see 3 above.

5) There are so many empty UHF channels since the FCC is protecting poor sets from all sorts of their own flaws: (from a few-year-old chart)

IF beat	20 mi. spacing	8th channel higher & lower
Intermod	20	2nd thru 5th channel higher & lower
Adjacent chan.	55	1st channel each side *
Oscillator radiation	60	7th channel higher & lower
Sound Image	60	14th channel higher & lower
Picture image	75	15th channel higher & lower

* The FCC doesn't make an exception for co-located stations.

Examples are: (all are full-power)

Channel	City	Channel	City
20	Washington	54	Baltimore
22	Annapolis	56	Fairfax, VA on DC Beltway
24	Baltimore	---------------	
25	Hagerstown	66	Manassas, VA nr Washington
26	Washington	67	Baltimore

68 Hagerstown

Bob W3OTC

From 3592800048378990837
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e15021f72d925ca
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 07:54:14 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!decwrl!ucbvax!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: Iridium Cellular Service
Message-ID: <1250212@hpnmdla.HP.COM>
Date: 9 Aug 90 18:23:10 GMT
References: <631@entec.Wichita.NCR.COM>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 64
Posted: Thu Aug 9 19:23:10 1990

Well, maybe I'm not imaginative enough, but I'm pretty hard pressed to see how Iridium is going to hack it. Where have I miscalculated or made a grossly incorrect assumption?

The details refer to small satellites each serving 37 cells which are 360 miles across. If the satellite is small, where does it get a lot of power? Suppose it is covered with PV cells, maybe getting a couple of hundred watts for the whole thing. Can it really get much more than 10 watts or so to 1500 MHz RF?

10 watts among 37 cells is about a quarter watt/cell if the satellite can manage the antennas to optimumly direct the beams. This is not a particularly miniscule antenna at this frequency. A 360 mile/side square is about 3.35E11 square meters. Each square meter then catches 115 dB less power. That's about +24 dBm - 115 = -91 dBm. But at 1500 MHz a 1 meter square aperture antenna implies a gain of 24 dB or so and a beamwidth of about 10-15 degrees. If an omni antenna is used we lose all but a couple of dB of this gain.

Since these things are flying across the sky, for the gain antenna to work the ground end is going to have to do a lot of pointing. So we would have to come up with an (inexpensive) electronically steered array along with algorithms to find, track and execute handoff on the ground end. This steering must work on both receive and transmit. All this to get -91 dBM/(KTB) = 46 dB in a 5 KHz bandwidth (my number).

Considering the user data rates I'll assume the omni antenna case. The omni antenna is going to give only 24 dB of C/N. Actually it will be worse than this since it is looking at surrounding terrain at 290 K or hotter and antenna losses/receiver noise figure won't be perfect. Now we have maybe only 21 dB with the omni antenna and we haven't dealt with what happens when the user is in the 3rd ring of the clusters and the satellite is 3*360=1000 miles away. I did it quick but it looks like the satellite is only about 15 degrees above the horizon. If every user has an LOS shot above 15 degrees elevation, no wet trees or other problems to chew up more than a very few dB, I guess he gets his 4800 bps information rate, assuming no overhead in dispensing the bandwidth among all the users, collisions etc.

So, after the user has bought a *bunch* of hardware, made sure he can see down to a low enough elevation AND paid his share of the N billion dollar investment and maintenance for the system then he gets 4800 bps to use.

It seems like I saw an estimate of $2billion for the initial system. If after buying his ground station a user will pay $1000/year and it has to be replaced every five... it seems to take 400,000 users/supporters. Thats about 5000 users/satellite, 140 users/cell to break even.

I'm not convinced that the market will support that kind of service at that high a price.
Certainly in developed countries 4800 bps is going to sound pretty

meager by the time the whole thing is functioning.

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From -8033819979977784665
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2a06411596ec9b1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 08:10:23 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!rutgers!cunixf.cc.columbia.edu!cunixa.cc.columbia.edu!cy5
From: cy5@cunixa.cc.columbia.edu (Conway Yee)
Newsgroups: rec.ham-radio
Subject: Re: Super Morse 3.11 Program Wanted
Message-ID: <1990Aug9.190424.21084@cunixf.cc.columbia.edu>
Date: 9 Aug 90 19:04:24 GMT
References: <9008021523.AA04786@ucsd.edu> <80@towers.UUCP> <393@hfsi.UUCP>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Reply-To: cy5@cunixa.cc.columbia.edu (Conway Yee)
Organization: Columbia University
Lines: 13
Posted: Thu Aug 9 20:04:24 1990

In article <393@hfsi.UUCP> bower@hfsi.UUCP (Michael Bower Comm.) writes:
>In article <80@towers.UUCP> brian@towers.UUCP (Brian Murrey) writes:
>>I have SM315.ZIP available on my landline BBS. That is the latest verison
>>that I am aware of. You can download this file by calling 317 882 9330 and
>>logging in as Ham Radio, use YAGI for the password.
>>
>
>If there is aenough interest, is is possible that this could be posted in
>this news group uuencoded?

I have to admit that I would be interested.

              Conway Yee, N2JWQ

From 7623592119532670163
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9dc02c08fa189bb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 14:02:11 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Plan to TAKE AWAY 2 Meters and 440

Summary: HDTV
Keywords: TV, Bandwidth, HDTV
Message-ID: <986@ssc.UUCP>
Date: 10 Aug 90 02:45:56 GMT
References: <1699@raybed2.msd.ray.com> <30500650@ux1.cso.uiuc.edu>
<1124@ke4zv.UUCP>
Organization: very little
Lines: 34
Posted: Fri Aug 10 03:45:56 1990

In article <1124@ke4zv.UUCP>, gary@ke4zv.UUCP (Gary Coffman) writes:

> Ah the mythical HDTV! Don't hold your breath waiting for BROADCAST HDTV. The economics just aren't there. My company participated in the HDTV tests done for the FCC. We estimate it will cost between $20 million and $50 million to convert a television station to transmit HDTV. With an installed base of $50 billion in NTSC equipment and NO original HDTV programming (except some old "I Love Lucy" reruns that were shot on 35mm film--REAL HDTV) available to fill the hours, no

How many folks on here have SEEN real HDTV? Well I did last week, and I was VERY IMPRESSED! I was in Seattle Opera's production of War & Peace, which was being taped using HDTV. It was awesome. Between my scenes last week during the two days of taping I went out by the production trucks where they had a monitor set up. The only way I can describe it was like squeezing 70 mm film into a box. The aspect ratio was different, with a wider screen, and the detail was amazing. When the camera did a long shot of the entire stage, I could make out the faces of every individual member of the 80-odd chorus. The production folks are talking about possibly doing a film transfer for theatre distribution....it's that good.

For some reason though, the opera folks kept describing the process as "filming"!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 7323889335456161644
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2a06411596ec9b1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 14:03:15 PST
Path: gmdzi!unido!mcsun!uunet!comp.vuw.ac.nz!massey.ac.nz!GMoretti
From: GMoretti@massey.ac.nz (Giovanni Moretti)

Newsgroups: rec.ham-radio
Subject: Re: Super Morse 3.11 Program Wanted
Message-ID: <903@massey.ac.nz>
Date: 10 Aug 90 03:55:01 GMT
References: <9008021523.AA04786@ucsd.edu> <80@towers.UUCP> <393@hfsi.UUCP>
<1990Aug9.190424.21084@cunixf.cc.columbia.edu>
Organization: Massey University, Palmerston North, New Zealand
Lines: 12
Posted: Fri Aug 10 04:55:01 1990
X-Reader: NETNEWS/PC Version 2.2

I too would be interested in SM311. I've just downloaded SM309 and
am about to start polishing my morse again :-(

Waiting (hopefully)
Giovanni ZL2BOI

```
--
-------------------------------------------------------------------------------
|   GIOVANNI MORETTI, Consultant     | EMail: G.Moretti@massey.ac.nz          |
|Computer Centre,  Massey University | Ph 64 63 69099 x8398, FAX 64 63 505607 |
|   Palmerston North, New Zealand    | QUITTERS NEVER WIN, WINNERS NEVER QUIT |
-------------------------------------------------------------------------------
```

From -7869788286456879444
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e15021f72d925ca
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 14:06:06 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!wuarchive!udel!sbcs!ameristar!rick
From: rick@ameristar (Rick Spanbauer)
Newsgroups: rec.ham-radio
Subject: Re: Iridium Cellular Service
Message-ID: <1990Aug10.032947.391@ameristar>
Date: 10 Aug 90 03:29:47 GMT
References: <631@entec.Wichita.NCR.COM> <1990Aug9.123238.4911@ameristar>
<2844@wyse.wyse.com>
Organization: Ameristar Technology, Inc
Lines: 45
Posted: Fri Aug 10 04:29:47 1990

In article <2844@wyse.wyse.com> stevew@wyse.UUCP (Steve Wilson x2580 dept303)
writes:
>The educational aspect that you mention is a good idea, and is being
>practically pursued last time I looked...the SAREX program is a good
>example. There is always room for new ideas, and new efforts in this
>direction though....got any good ideas on how to employ ham radio
>along these lines?
>Steve KA6S

At the university level one of the best ways to integrate amateur
radio is in an electrical engineering program. There probably aren't

many better places to put one's communications theory, dsp, microwave, circuit design, etc courses to work. If the code requirement was relaxed it would be possible to funnel students through a "ham radio lab" to get licenses in their sophmore year. If we choose to continue chasing public service one could always get the student volunteer ambulance corps types interested in FEMA, etc.

I don't know what goes on in high school these days, so I have no suggestions on how to capture those kids. Just to take a wild swing, perhaps if we get the content rules under control such that every other response to a message isn't "We shouldn't talk about that, FCC rules..." perhaps the BBS aspects of packet would interest HS kids, ie Radio Compuserve.

It would seem possible to catch kids in elementary/junior high with satellite applications, or remote control/telemetry as applied to robotics. Or possibly exchanging pictures via satellite packet with their peers in other countries.

Generally speaking, people seem to be interested in video these days; it might be possible to snag people at all levels if they could be their own low power TV station to tie in with the desktop video/vcr/ home entertainment angle. Or maybe a year 2000 pacsat with video compression & storage such that it could forward video messages, ala picturephone mailbox.

If we ever get the packet data rates up to the point where decent applications can be built, then we can start to look at things like making "telescope servers" (move telecope to point, digitize picture, send packet picture back), weather sat servers, network of weather stations for realtime data collection, remote HF rcvrs for propagation studies, paperless multimedia AR magazines (see the fellows station, listen to audio clip of him contacting DX, etc).

Rick

From 4146266161081897730
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d2192622ae9ba40
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 14:06:22 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!
zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!
phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: * * Help Technician Questions * * *
Message-ID: <30500669@ux1.cso.uiuc.edu>
Date: 10 Aug 90 04:22:00 GMT
References: <860007@hpspcoi.HP.COM>
Lines: 66
Nf-ID: #R:hpspcoi.HP.COM:860007:ux1.cso.uiuc.edu:30500669:000:3217

Nf-From: ux1.cso.uiuc.edu!phil   Aug 9 23:22:00 1990
Posted: Fri Aug 10 05:22:00 1990

> 1) What is MCW ??
> 2) Is MCW = AFSK RTTY = F2B ??
> 3) What is FM Telegraphy using on/off keying of an audio tone fed into the
> input of the microphone ?.

MCW can be a number of different emission designators. The FCC attempted to categorize the designators rather than have to code them all individually into the rules (there are a LOT of possible combinations we want to be flexible to try).

97.3(c)(4) MCW. Tone-modulated international Morse code telegraphy emissions having designators with A, C, D, F, G, H or R as the first symbol; 2 as the second symbol; A or B as the third symbol.

For those of you who use regexps: `[ACDFGHR]2[AB]`

97.3(c)(5) Phone. Speech and other sound emissions having designators with A, C, D, F, G, H, J or R as the first symbol; 1, 2 or 3 as the second symbol; E as the third symbol. Also speech emissions having B as the first symbol; 7, 8 or 9 as the second symbol; E as the third symbol. MCW for the purpose of performing station identification procedure, or for telegraphy practice interspersed with speech. Incidental tones for the purpose of selective calling or alerting or to control the level of a demodulated signal may also be considered phone.

Regexp: `([ACDFGHJR][123]|B[789])E`

Notice that what might be considered MCW would be considered "Phone" for the purpose of being legal. Thus where MCW is NOT legal but Phone is, you can go ahead and use MCW for the purposes mentioned in 97.3(c)(5).

> As radio waves pass through the ionosphere, they give up energy. This sets
> some of the ionized particles into motion. Effects of absorption on lower
> frequencies are greater than on higher frequencies. Absorption also increases
> proportionally with the amount of ionization. The more ionization, the more
> energy the radio waves lose passing through the ionosphere. Absorption is mos
> pronounced at midday. It is responsible for short daytime communications rang
> on the lower amateur freqencies (160,80, 40meters).
>
> On page 3-6 it states that:
> Maximum ionization occurs during a sunspot cycle peak. High sunspot numbers
> usually mean good worldwide radio comunications....
>
> ????? If absorption is proportional to the amount of ionization how could
> you get good long distance communications during a high sunspot number
> when ionization is at maximum ?????

The absorption is responsible for making the lower frequencies less usable
during higher ionization. But at higher frequencies, the higher ionization
actually brings about enough bending to make long distance communication
possible.

There are TWO things going on at the same time. Absorption causes lower
frequencies to be less usable. The bending angle is also greater and the
skip distance is therefore lower as well. The greater bending angle is
also making the higher frequencies now usable.

The cutoff at the higher end is rather abrupt (MUF), and is quite gradual
at the lower end (LUF). Unfortunately this is only a simple explanation
for a complex subject.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 309166197212839890
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 14:28:05 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: A New War?
Message-ID: <9008101316.AA04962@cmr.ncsl.nist.gov>
Date: 10 Aug 90 13:16:03 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
     formerly National Bureau of Standards
Lines: 28
Posted: Fri Aug 10 14:16:03 1990

Julian Macassey writes:
  > Subject: A New War?
stuff left out
  > May I suggest a new cause? How about the Metric system? I am sure
stuff left out
  > May I kick it off by pointing out that it was introduced by Napoleon
  > in 1801 and is now the usual system of measurement in all countries
  > except the U.S., Brunei and maybe another couple of fiefdoms.
When were you last in England? This past May I was surprised to
find temperatures usually quoted in F, speeds in mph, and all the bad-old-
units still in wide use. Australia and New Zealand were thoroughly SI (not
metric) back in 1973; much more than England today.
  > So get ready to fire up the arguments to support a measurement
  > system inherited from the British and generally known as "Imperial
  > Measure".
Which size pint, quart, and gallon should we use, US or Imperial ?
Which size ounce: Troy, avoirdupois, etc. ? Which size barrel ?
  > Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian

The basic US measurement STANDARDS have been metric/SI for over
a hundred years. Somehow this hasn't translated to the marketplace (and
I'm tredding on a political hot potato to even comment on this subject).

Bob W3OTC
              ****
My employer is very sensitive about this subject and I should not have posted
this comment. Just realize that my job is measurement of computers, a field
where there AREN'T any fundamental units of measure; I don't weigh the ampere.
         (dhrystones * MFLOPS) / MIPS = who-knows-what

From 5549536553852654535
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4445f2106319a50,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 14:46:44 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!ucsd!
ucbvax!dgc.mceo.dg.com!Pete_Simpson
From: Pete_Simpson@dgc.mceo.dg.com
Newsgroups: rec.ham-radio
Subject: Callsign server?
Message-ID: <9008101310.AA00031@adam.DG.COM>
Date: 10 Aug 90 12:10:52 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: PZS@mercury.mceo.dg.com
Organization: The Internet
Lines: 12
Posted: Fri Aug 10 13:10:52 1990

CEO summary:
Could someone please supply me with the correct hostname and Internet
address for the callsign server which used to be on
marvin.cs.buffalo.edu? I seem to be unable to reach it and was
wondering if it's been relocated or [gasp!] discontinued?
Thanks
=================================
Peter Simpson, KA1AXY
Data General Corp M/S E132
Westboro, MA 01580
(508) 870-9837
Pete_Simpson@MERCURY.MCEO.DG.COM

From 8039346396619541682
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9625099a8e478d93
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 14:58:30 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!
pacbell.com!pacbell!att!cbnewse!parnass
From: parnass@cbnewse.att.com (Bob Parnass, AJ9S)
Newsgroups: rec.ham-radio

Subject: Re: 2m Mobiles
Summary: repost of Icom IC-228H transceiver review
Message-ID: <1990Aug10.113554.19623@cbnewse.att.com>
Date: 10 Aug 90 11:35:54 GMT
References: <5A08090E000A0211-MTABWIDENER*DXANDY@widener>
Organization: AT&T Bell Laboratories, Naperville, IL
Lines: 192
Posted: Fri Aug 10 12:35:54 1990

In article <5A08090E000A0211-MTABWIDENER*DXANDY@widener>,
DXANDY%widener@PUCC.PRINCETON.EDU writes:

> ... The rig I am thinking of buying is the Alinco DR-110. I already have an
> Alinco DJ-160 HT and that has been good value for the money. If anyone
> has any recommendations, I would be interested in hearing them....
> Andy Greenshields N3IGS [dxandy@widener.BITNET]

Here is a reprint of a review of the Icom IC-228H posted August 1988. Since that time, I have enjoyed using the 228H daily without trouble, and the older IC-28A still works flawlessly. Icom just introduced the IC-229, a smaller version of the IC-228, so you can probably get a 228 at a reduced price.

PRODUCT REVIEW: ICOM IC-228H 2M TRANSCEIVER

by Bob Parnass, AJ9S

My Icom IC28A performed very well, and giving it to my wife afforded me the opportunity to buy another 2 meter radio.

What do I look for in a 2 meter transceiver? Being a scanner enthusiast, I look for wide frequency coverage on receive, and reasonable scanning facilities. Reliability and ease of obtaining schematics and parts are important, and Icom, Kenwood, and Yaesu score well here.

I prefer 25 watt radios to 45 watt radios for a few reasons:

1. I believe manufacturers overrate their transmitters' power specifications. Most models use hybrid modules for the driver/final amplifier stage. As a recent QEX article points out, the hybrid modules are only 25% - 50% efficient, which means the bulk of the power is dissipated in the form of heat.[1]

   The heat sinks on today's radios are just not big enough to dissipate the kind of heat developed during my typical QSO (conversation). The heat sink on my old 25 watt Motorola MetrumTM never got nearly as hot at the heat sinks on late model 25 watt Japanese radios. My 25 watt Kenwood TR-7800 and IC28A became very hot during QSOs. Pity those who bought Kenwood's "45 watt" TM-221A transceiver. It's not until they read the owner's manual that they learned Kenwood recommends against transmitting for more than 1 minute out of 3.

Heat shortens the already finite life of the hybrid modules, and I've been forced to replace these modules on various radios, to the tune of over $55 apiece (not including my labor).

2. It's easier to find power supplies for 25 watt radios, because they require only 6 - 7 amperes, versus 9 - 10 amperes for their 45 watt counterparts. The smaller power supplies are less expensive and are easier to find surplus.

3. Signals from 25 watt transmitters are almost as strong as those from 45 watt radios.

The IC228A/H series is Icom's replacement for the IC28A/H two meter radios. The tradition of offering two models at different transmitter power levels continues, with the 25 watt IC228A and 45 watt IC228H.

The IC228 contains a single VFO, and 20 memory channels. All the memory channels behave the same, as contrasted with some Kenwood designs which limit the flexibility of certain memory channels, while permitting special operations with others. Each IC228 memory channel can store receive frequency, CTCSS tone, transmit frequency offset, and scan list lockout.

Unlike Yaesu radios, the IC228 comes equipped with a synthesized CTCSS (PLTM) tone encoder, which is almost a necessity for using repeaters in the Chicagoland area. Any one of 32 tone frequencies can be selected from the front panel, and associated with a memory channel or VFO.

Repeater offsets are selectable from 5 KHz through 10 MHz, and can be stored in memory. You could conceivably store 20 different repeater frequencies in the IC228, each with a different offset and tone.

I wanted the 25 watt IC228A, but only IC228H models were available at the time. I'm glad I bought the IC228H high power model, because an internal potentiometer made it easy to reduce power output from 45 watts down to 25 watts. The large heat sink affords extra cooling capacity, and the final amplifier should last longer. Even so, the heat sink becomes too hot to hold during a moderately long QSO! Heat is eventually transferred from the heat sink to the entire radio case, making the entire radio "untouchable."

The major changes in IC228 circuitry from the IC28 design involve the microprocessor. The RF circuits remain similar, using the same transistor lineup in the transmitter stages and the now familiar Motorola MC3357 IF detector/squelch chip popular in scanners.

Icom took cues from the Kenwood TM2530 series to improve the LCD display panel and make the front panel controls visible in the dark. The display on the IC228 makes use of colored backgrounds for various fields, and is easier to read than the display in the IC28.

Unlike the IC28, the IC228 emits a beep tone each time a key is depressed. Although some people find this feature annoying in walkie-talkies, the beeps make it more convenient to operate the IC228 while driving. Icom recognizes freedom of choice, and permits the user to disable the beep.

The volume, squelch, and tuning knobs, as well as several buttons, are now backlit - an improvement over the IC28. The IC28 contained a photocell which automatically varied the LCD backlighting with changing ambient light levels, however the newer IC228 permits the user to select from 4 fixed levels of backlighting.

There is no free lunch, and Icom fans had to give up something in exchange for the new control backlighting: the plastic front panel and tuning knob on IC228 feel chintzier than the metal panel and rubber padded knob on the IC28.

Another new feature is a "lock" pushbutton, which disables the radio's front panel controls. I haven't found this as useful as the lock slide switch on the DTMF up/down microphone. The up/down pushbuttons on the microphone can be bumped accidentally in the mobile environment, and the slide switch prevents unplanned frequency changes.

The IC228's scanning features are on par with, or slightly above those of other 2 meter transceivers, but not as well implemented as in "real" scanners. The IC228 scans at the same speed as the 28 - rather slowly. A reasonable memory scan, with channel lockout, is provided. This is an improvement over the early Kenwood TH-215 walkie-talkie memory scan, which lacked a lockout feature, so one was forced to scan ALL channels.2

The timer operated scanning in the IC228 causes the radio to resume scanning 2 seconds after the carrier drops, or after 15 seconds - whichever occurs first. Too bad the IC228 lacks a carrier operated mode, like the feature in the Kenwood TM2530, so the receiver would "stay put" until the carrier drops.

The IC228 includes the ability to search between 2 frequency limits, and users of the American versions can select tuning steps of 5 KHz or more. The search limits are programmed into a special register pair, so they don't tie up memory channels. The search will pause as soon as the squelch opens, which usually brings the receiver to a halt off the center of the station you want to hear. Unfortunately, Icom didn't adopt the Kenwood "center tuning" or Bearcat ZeromaticTM feature, which forces the searching to stop right on the center frequency. The Bearcat window detector circuit employs operational amplifiers, fed by the discriminator signal, to generate a logic level when the receiver is tuned within 2.5 KHz of center frequency.

When the IC28 was first introduced, it was offered with either the standard or DTMF microphones, at two different prices. Apparently, most people wanted DTMF mikes, and a DTMF microphone is provided with the IC228.

Except for the high heat sink temperatures, the IC228 performed well during a recent cross country trip. With the radio bolted to the center console of my truck, the receiver audio output was ample, the display easy to read day and night, and stations in Pennsylvania and Ohio praised the transmitted audio quality.

I'm pleased with the IC228, and recommend it.

---

1. See "RF Hybrid Modules: Building with Bricks," by Bill Olson W3HQR, in July 1988 QEX.

2. Late vintage Kenwood TH-215 walkie-talkies now come with upgraded firmware which permits channel lockout. A new CPU chip may be retrofitted into earlier units, but Kenwood charges for this service.

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==
Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihlpy!parnass (708)979-5414

From -5494004510807877648
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 15:05:20 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!decwrl!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: A New War?
Message-ID: <9008101350.AA19126@tilde>
Date: 10 Aug 90 13:50:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Fri Aug 10 14:50:08 1990

Julian McCassey writes
 >In the foreseeable future the FCC is going to pontificate on the No-Code
 >question. When that happens, what will the sclerotic and gasping old farts
 >have left to whine about?

Hate to burst his bubble, but we s & g old farts have bought metric tool sets
and the only whiniong I have heard regarding no-code is coming from the new
toots who are too lazy to learn code.
73,   Dube   N5PDK

From 2090512150781293298
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76ca2d7157ff5081,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 15:28:29 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!pacbell.com!pacbell!att!cbnewse!waco
From: waco@cbnewse.att.com (john.l.broughton)
Newsgroups: rec.ham-radio
Subject: 7O1AA Operator Death
Message-ID: <1990Aug10.121530.20756@cbnewse.att.com>
Date: 10 Aug 90 12:15:30 GMT
Organization: AT&T Bell Laboratories
Lines: 14
Posted: Fri Aug 10 13:15:30 1990

This information from Lawrence, 5B4SA, last night on 20M. One of the
Kuwaiti 7O1AA operators, Mohamed, was killed in the invasion of Kuwait.
He is reported to have been a member of the Kuwaiti royal family, a son or
brother of the emir.

73, WB9VGJ
John L. Broughton   ##

```
AT&T Bell Laboratories    # For every complex question there is a simple #
1200 E. Warrenville Rd.   # answer, and it is wrong. -- H.L. Mencken     #
Naperville, IL 60566-7045 #################################################
708) 713-4319
john.l.broughton@at.com              I'm the NRA
att!john.l.broughton
```

From -6272807833200825519
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d029f07e3aede036,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 15:43:56 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!hubcap!bjb
From: bjb@hubcap.clemson.edu (BJ Backitis)
Newsgroups: rec.ham-radio
Subject: Anon FTP site for Morse Tutor?
Message-ID: <10073@hubcap.clemson.edu>
Date: 10 Aug 90 19:10:46 GMT
Organization: Clemson University, Clemson, SC
Lines: 21
Posted: Fri Aug 10 20:10:46 1990

About a year ago, a version of Morse Tutor was posted out on the IBM-PC binaries group. Unfortunately, I seem to have lost the d*&n disk where I had the archive stored. Can someone please tell me if an archive is available for this via anonymous FTP? Thanks in advance!

Oh, if you are interested, there is a DXTRAKER posted out there recently that I just tried out and it works really nice... a Windows format with DXCC information built in (and can be updated), keeps tracks of which zones and countries you have worked by band and mode, allows for printing lists and such.

73 de BJ KM4RB

```
--
BJ Backitis (KM4RB)       | BJB@CLEMSON.BITNET     | "There are a great many
Info. Systems Development | BJB@HUBCAP.CLEMSON.EDU | people in this country
Clemson Univ. Division of | {...}!emory!hubcap!bjb | who, through no fault of
Comp. & Info. Technology  | All usual disclaimers  | own, are sane."
```

From 7852961148856012178
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,139567687aed958c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 16:21:54 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!kuhub.cc.ukans.edu!baxter
From: baxter@kuhub.cc.ukans.edu

Newsgroups: rec.ham-radio
Subject: Re: Alinco DR570T
Message-ID: <25241.26c29078@kuhub.cc.ukans.edu>
Date: 10 Aug 90 15:46:16 GMT
References: <900808-105444-18347@Xerox>
Organization: University of Kansas Academic Computing Services
Lines: 39
Posted: Fri Aug 10 16:46:16 1990

In article <900808-105444-18347@Xerox>, "Scott_C._Gray.ElSegundo"@XEROX.COM writes:

> As far as out-of -band enable, just pull off the top cover, place the radio
> with the knobs facing away from you. Locate the logic board behind the
> front panel. Towards the top middle of logic board (in the unsheilded area)
> are three white color jumpers, the one on the left tilts about 45 degrees.
> You want to cut the last jumper on the right (about mid-front panel).
> Replace the cover. Turn on the radio with the Function key depressed. The
> rig will now have to be re-programmed. Frequency range Rx and Tx :
> 130Mhz-170MHz, 420Mhz -470MHz. Rx only: 335-385 MHz and 850 Mhz to 890 MHz.
> No re-alignment is needed for these ranges. Power out is about 15-20 watts
> at the extreme edges on UHF with receive sensitivity dropping off to no
> worse than about 1 microvolt at the edges. I didn't measure VHF yet...
>

Scott: I tried to send you e-mail, but your address didn't take. The mod works great! The Alinco is one GREAT radio. I did notice that when I had a 450 mhz AND a 850 mhz frequency in the two displays, that the radio would only hear one of the signals at a time. If 850 was the primary frequency, then the 450 would squelch when a 850 signal came on. Can you tell from the service manual why this might be? Is there one front end PLL circuit for both of these bands, and only one can be heard at a time? My only criticism of the Alinco is that for all the frequencies it can hear, it would be nice to have more memories. I noticed that the 850 channels get memorized in the 2-meter bank of channels, which I guess is a function of the switching of the 2-meter band for the 850 band.

I'm so impressed with the Alinco, that I'm considering a DR-510 for my other car. I know that its style is similar to the DR-110T, but does the 510 have a similar mod to open up its coverage. The DR-110T has a little yellow wire on the top left aspect of the radio which, when cut opens up the receiver for out-of-band coverage. Is the 510 likewise modifiable, and will it open up the UHF receiver spectrum?

Thanks again for your help with the 570!

Kirk Baxter, N0FPZ

From -7241289309407169924
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,9625099a8e478d93
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 16:33:56 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!snorkelwacker!spdcc!merk!alliant!linus!linus!rll
From: rll@linus.mitre.org (Roberto L. Landrau)
Newsgroups: rec.ham-radio
Subject: Re: 2m Mobiles
Message-ID: <116705@linus.mitre.org>
Date: 10 Aug 90 12:44:48 GMT
References: <5A08090E000A0211-MTABWIDENER*DXANDY@widener>
Reply-To: rll@eeyore.UUCP (Roberto L. Landrau)
Organization: The MITRE Corporation, Bedford MA
Lines: 21
Posted: Fri Aug 10 13:44:48 1990

In article <5A08090E000A0211-MTABWIDENER*DXANDY@widener>
DXANDY%widener@PUCC.PRINCETON.EDU writes:
>Hi!
>   I am thinking of buying a 2m mobile and I have a few questions about
>installing it in my car. I wanted to use one of those on-glass antennas,
>since I am really not keen on drilling holes in my new car! My car has
>a post-factory installed tinted windows that is actually tinted plastic
>coating. Will this tinted layer adversely affect the performance of
>the antenna? Or perhaps will the antenna affect the tint?

I just talked to someone at Antenna Specialists. He said that if you have an aftermarket tint you should cut the section out. Otherwise, he claims 3dB gain over 1/4 wave.

If anyone knows anything bad about this antenna, please let me know, too. I am about to buy one soon.

Thanks

Roberto L. Landrau KA1TLY
roo@mbunix.mitre.org

From -2580974930120845996
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,69853e17f330aa70,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,69853e17f330aa70,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-08-10 16:38:35 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio,sci.space
Subject: Hubble Keps?
Keywords: Hubble Space Telescope
Message-ID: <3658@radio.oakhill.UUCP>

Date: 10 Aug 90 15:56:17 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 10
Xref: gmdzi rec.ham-radio:13823 sci.space:15101
Posted: Fri Aug 10 16:56:17 1990

Does anybody have keplerian elements for the Hubble Space Telescope? Anybody know what type of orbit it is in? Any info on its uplink/downlink system? Does TS Kelso include Hubble in his orbital element postiings? Inquiring trackers want to know!

-Charlie Thompson
WB4HVD

From -5137538226832436200
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c06feae8621378e7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 16:41:58 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!udel!princeton!twg.com!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: 9K2CS
Message-ID: <7730@gollum.twg.com>
Date: 10 Aug 90 16:59:43 GMT
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 6
Posted: Fri Aug 10 17:59:43 1990

This morning (Friday, August 10) there was a report on the 21335 net that 9K2CS--Mohammad Al-Sabbar, a.k.a. 7O1AA--is now a silent key. I didn't hear the report myself (would rather be called a communicator than be heard on a DX net), but picked it up from an op on our local packet cluster. Can anybody provide more info this?

AA6KX

From -2976418383705067329
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc7e0131cb7a4291,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 16:47:19 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!TRIUMFER.BITNET!MULTI
From: MULTI@TRIUMFER.BITNET
Newsgroups: rec.ham-radio
Subject: Noisy fan in Yaesu FT-101E

```
Message-ID: <90Aug10.135706edt.57653@ugw.utcs.utoronto.ca>
Date: 10 Aug 90 17:57:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 67
Posted: Fri Aug 10 18:57:00 1990

From:   edu%"lrj@cs.cornell.edu" 21-JUN-1990 07:28:37.65
To:     MULTI@TRIUMFER.BITNET
CC:
Subj:   Re: While Yaesu FT101 has the speech processor?

Received: From CORNELLC(MAL) by TRIUMFCL with Jnet id 9177
          for MULTI@TRIUMFCL; Thu, 21 Jun 90 07:28 PST
Received: from CORNELLC by CORNELLC (Mailer R2.05X) with BSMTP id 8447; Thu, 21
 Jun 90 10:25:38 EDT
Received: from loki.cs.cornell.edu by CORNELLC.cit.cornell.edu (IBM VM SMTP
 R1.2.1MX) with TCP; Thu, 21 Jun 90 10:25:36 EDT
Received: from ISHTAR.CS.CORNELL.EDU by loki.cs.cornell.edu (5.61/I-1.91f)
        id AA05846; Thu, 21 Jun 90 10:26:22 -0400
Date: Thu, 21 Jun 90 10:26:18 EDT
From: lrj@cs.cornell.edu (Lewis Jansen)
Message-Id: <9006211426.AA08311@ishtar.cs.cornell.edu>
Received: by ishtar.cs.cornell.edu (4.0/N-0.08)
        id AA08311; Thu, 21 Jun 90 10:26:18 EDT
To: MULTI@TRIUMFER.BITNET
Subject: Re: While Yaesu FT101 has the speech processor?
Newsgroups: rec.ham-radio
In-Reply-To: <90Jun20.212848edt.57975@ugw.utcs.utoronto.ca>
Organization: Lab of Atomic and Solid State Physics, Cornell University
Cc:
```

In article <90Jun20.212848edt.57975@ugw.utcs.utoronto.ca> you write:

```
>Can anyone tell me the difference between a Yaesu FT101, an FT101B,
>and FT101E, and FT101EE, and an FT101EX.  I would prefer a unit with
>a speech clipper and an integral 12 volt power supply as well as the
>120 volt ac power supply.  600 hZ CW filter is a necessity.
>
>                                        Y.N. Miles,
>                                        <MULTI@TRIUMFcl.bitnet>
```

Methinks you want the FT-101EE rig. This is what I have. The three models (at least as of the date on my manual) ate the B, EE, and EX. I know the EE has all the bands (the B and EX lack some I think), but I'll have to look in my manual in order to tell you what all the differences are. There's a nice table listing various features/bands, which rigs have them and which don't. I try to drop you mail this evening listing the info.

I don't think the CW filter came stock on any of them; mine has it, but the manual gives installation instructions. Try Fox Tango for the CW filters.

I gather that you're considering the purchase of one of these rigs? If so, here's some info on going prices in the central New York region. I bought my FT-101EE for $390, mint condition (looks like it just came out of the shipping carton), good finals, plus a set of new finals and CW filter. Only problem: one xtal bad, replacement cost $5 plus shipping from Yaesu. I got a 300 watt Drake MN7 matching network (with SWR/power meter) with it for $80 additional.

At a hamfest this past Saturday I saw an FT-101EE for $375; it was in "fair" condition cosmetically. I also saw an FT-101B at $325. It was cosmetically "poor", and looked like it had had several of the front panel switches replaced with non-stock switches.

Good luck! The FT-101's were (and are) great rigs.

--
-- Lewis R. Jansen, N2KNV lrj@helios.tn.cornell.edu
LASSP/LNS Systems Manager (607) 255-6065

"You can't fight in here, this is the War Room!"

From 44265742897355290
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8f027ff35765ed12,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 16:49:51 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!ucsd!ucbvax!TRIUMFER.BITNET!MULTI
From: MULTI@TRIUMFER.BITNET
Newsgroups: rec.ham-radio
Subject: Noisy fan in Yeasu FT-101E
Message-ID: <90Aug10.140150edt.57671@ugw.utcs.utoronto.ca>
Date: 10 Aug 90 18:02:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Fri Aug 10 19:02:00 1990

My Yaesu FT-101E has a noisy fan that is driving me to distraction. Oiling the bearing holes did not help. By contrast, the fan in my Yaesu FT-101B is whisper quiet. Any suggestions?

Y.N. Miles,
<MULTI@TRIUMFCL.bitnet>

From -5974025368735886705
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a8051e29e6a43a8,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-08-10 17:00:22 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!PUCC.PRINCETON.EDU!MEHARP01%ULKYVM
From: MEHARP01%ULKYVM@PUCC.PRINCETON.EDU (Michael Harpe)
Newsgroups: rec.ham-radio
Subject: A little humor about Iridium
Message-ID: <9008101841.AA16393@ucsd.edu>
Date: 10 Aug 90 18:43:23 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: University of Louisville
Lines: 42
Posted: Fri Aug 10 19:43:23 1990

Well, this certainly seems to address alot of of the issues surrounding cellular phone service. Kinda kills the objection about cells getting knocked out during natural disasters, doesn't it? As a friend of mine observed dryly, "if we have a natural disaster that makes it impossible to talk to an orbiting satellite, a 2 meter HT probably ain't gonna do much good either. We're talking serious atmospheric ionization here." :-).

Anyway....

In anticipation of the "it'll never work" discussion that I know (and the reader should know) is coming, I would like to present today's Top 10 List with apologies to Late Night with David Letterman....

From the Home Office in Scottsdale, Arizona....

Top 10 Reasons Why Hams Think Motorola's Iridium System Will Never Work...

10. Can't buy equipment from major Ham equipment manufacturers.
 9. All those 900 numbers lead to undisciplined use of spectrum.
 8. No allowance for use of CW in "high noise" environment.
 7. Uses "evil" DSP techniques.
 6. Not available in HeathKit version.
 5. No exam required for upgrade.
 4. Wrong numbers won't understand when you shout "CQ DX" at them.
 3. I TOLD YOU this would happen when QST did away with "The World Above 900 MHz!"
 2. It's yet another example of the "appliance operator" mentality.
 1. Takes all the "challenge" out of global communications.

Flames to /dev/null please.

```
---------------------------------------------------------------------
Michael Harpe, N4PLE                   | BITNET: MEHARP01@ULKYVM
106B Ormsby Building                   | VOICE:  502-588-7785
University of Louisville               | FAX:    502-588-5048
Louisville, KY  40292                  | AURAL:  "Mike!"
---------------------------------------------------------------------
```

"Sir, there is a large multi-legged creature crawling on your shoulder"
- Spock

From 2525820959901019330
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe1482054b817262
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 17:03:06 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!hplabs!hpl-opus!hpnmdla!hpsad!mikew
From: mikew@hpsad.HP.COM (Mike Weihman)
Newsgroups: rec.ham-radio
Subject: Re: Cellular telephone as emergency service?
Message-ID: <1530052@hpsad.HP.COM>
Date: 10 Aug 90 01:27:47 GMT
References: <1990Jul20.175844.8030@ariel.unm.edu>
Organization: HP Signal Analysis Division - Rohnert Park, CA
Lines: 76
Posted: Fri Aug 10 02:27:47 1990

From: karn@envy.bellcore.com (Phil R. Karn):
>

> Okay, then why is it standard practice in the telephone business to
> supply battery power for telephone switching machines and transmission
> equipment when it's needed only a tiny fraction of the time?
>

I think there are several reasons for their forethought.

First, Ma Bell and her offspring have been around forever. They invented the telephone system and have kept it at the forefront of technology ever since. Until recently, they were a monopoly that existed by the grace of the government, and they wanted to preserve that status. Even now, they remain a monopoly at the level of the CO. Part of being a good telephone monopoly was and is to provide top service to the customers, and that includes the ability to function under adverse conditions that were foreseeable.

Second, it makes very good business sense for the modern wireline telco to preserve this tradition of dependable service. One of the programs that makes lots of money for the baby bells is 9-1-1 in its various forms. Now, it would look really poor to the towns and counties thinking of buying into 911 if the underlying phone system were prone to failure on even a rare basis. When fire or a police dispatchers lose their phone, they get upset really fast. They are not at all willing to tolerate a phone system which is down whenever the mains power goes away for more than a short (UPS time range) time.

There are many other customers of the wireline telco that DEPEND on VERY dependable service over the phone. Not the least of these are the everyday homeowners that want very much to have a phone when the power goes out. All together, there are good business reasons for the CO to have a very dependable power source.

I don't believe that the average cell phone carrier is so motivated. There are few businesses or public safety agencies that I know of that DEPEND on the cellphone system the way that they do the wireline system. Neither are the cellular carriers monopolies in any of their service areas (even if there is only one carrier, it is only because of a market too small or unprofitable for a second to share it.) The world does not stop when the cell phone switch goes down, the way it does for the wireline phones.

Also, most of the cellular companies came into being at a VERY competitive time in their markets; the Bells were a formidable competitor. The budgets under which these systems were conceived and built were much tighter than the conditions prevailing as Ma Bell expanded the wire phones across the land. The result is that smart business in the time and service of the cellphone is much different than that of the wireline phone.

> I would argue that most amateur radio facilities are nowhere near as
> well maintained and backed up as the average telco facility.

Absolutely no argument here. However, the ham "system" has as many levels of redundancy as there are hams with radios. Can you touch that? I doubt any system can. (let's not discuss CBs...)

> Phil

I don't think we disagree, Phil.

-mike

****
Mike Weihman   n1dje: RACES, CDF-VIP
mikew@hpsadmjw.hp.com
mikew%hpsad@hp-sde.sde.hp.com

Hewlett-Packard Co.   Volunteer firefighter/EMT
Signal Analysis Division   Penngrove Fire Prot. Dist.
1212 Valley House Drive   Penngrove, CA
Rohnert Park, CA 94928
(707)794-4454
****

These opinions are mine and do not represent HP in any way.

```
From -7600724167413O5728
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,40a1853a0dbe5777
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 17:03:21 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
```

Newsgroups: rec.ham-radio
Subject: Re: More TVI Problems
Message-ID: <1250213@hpnmdla.HP.COM>
Date: 10 Aug 90 00:08:37 GMT
References: <7880243@hpfcdc.HP.COM>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 11
Posted: Fri Aug 10 01:08:37 1990

A common cause of TVI is the TV antenna feedline acting as an antenna. Large common-mode RF currents flow on the outside of the coax shield down to the TV where they enter the tuner, completely bypassing the high-pass filter you installed.

Is the TV feedline coax-type? If so, you might use a TWINLEAD-type high-pass filter with baluns on each end. This breaks up the shield connection. Or use a coaxial filter with a pair of baluns connected back-to-back at its input or output.

Al N1AL

From -7670277227443860237
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 17:06:01 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!bloom-beacon!tmurphy
From: tmurphy@athena.mit.edu (Thomas C Murphy)
Newsgroups: rec.ham-radio
Subject: Re: A New War?
Message-ID: <1990Aug10.182150.6269@athena.mit.edu>
Date: 10 Aug 90 18:21:50 GMT
References: <9008101350.AA19126@tilde>
Sender: daemon@athena.mit.edu (Mr Background)
Organization: Massachusetts Institute of Technology
Lines: 13
Posted: Fri Aug 10 19:21:50 1990

In article <9008101350.AA19126@tilde> dube@cpdvax.csc.ti.com writes:
>Hate to burst his bubble, but we s & g old farts have bought metric tool sets
>and the only whiniong I have heard regarding no-code is coming from the new
>toots who are too lazy to learn code.
>73,   Dube   N5PDK

While there probably has been some whining on the subject, there has also been legitimate questions as to why CW, out of all the various communication modes available in ham radio, is considered necessary. I accept the fact it is needed due to international treaty, but have yet to hear any other good reasons.

Tom N1HQL

From 5603188217172284749
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5228f8156bec21cb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 22:53:26 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 Filing
Message-ID: <9008102041.AA06871@cmr.ncsl.nist.gov>
Date: 10 Aug 90 20:41:19 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 38
Posted: Fri Aug 10 21:41:19 1990

bellcore-2!envy!karn@rutgers.edu (Phil R. Karn) writes:

> It was most interesting to see both W3OTC and N8DGN attempt to argue that
> the code requirement does not keep out technically oriented people by
> scanning the author lists at various amateur radio technical conferences.
> This is certainly a most creative use of statistics.

Others also complained of my lack of statistical rigor. I admit to not considering the code/no-tech and tech/no-code combinations, since there is no US experience (see below). I omitted one or two no-code/no-tech (unlicensed) people from the AMSAT and CSVHF numbers, sorry.

I suspect that the data, not my lack of rigor, displeases you.
I don't think I ever claimed that high-tech people are ATTRACTED to ham radio by the 13- 20-wpm CW requirement, but I do think that I demonstrated that amateur radio technical leaders usually are proficient in CW.
Are you unwilling to concede this?

I had expected that Technicians would show up in much greater numbers.
If I had found that any substantial number of the technical leaders were Techs or Novices, I would agree that CW is so offensive to techies that they just learn the barest minimum CW and it is a serious hurdle. Do you suppose that the distribution is bimodal - most high-tech hams find CW no big deal, but most high-tech non-hams are kept out of ham radio by the code?

The British have issued no-code licences since 1964. Has their no-code licence brought in a lot of techies? I looked through the Feb, Mar, Apr, May, Jun and Aug 1990 issues of Rad Com (the main G ham mag) (can't find July) and find the following breakdown of authors of their (generally good) technical articles:

Class A (code)	18	
Class B (no-code)	1	(~ half of all G's are Class B)
Unsigned Q&A Article	1	

Also, the Brits are so concerned about the aging of
THEIR ham population that they have announced Novice licencing.
I'm not convinced that the British no-code licence has brought in either:

1) lots of young people, 2) lots of high-tech people.

73, Bob W3OTC

From -2149446161896005513
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-10 22:55:45 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!kd4nc!km4ba!alan
From: alan@km4ba.UUCP (Alan Barrow)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <152@km4ba.UUCP>
Date: 10 Aug 90 21:18:09 GMT
References: <LPX&-WM@splut.conmicro.com> <30500661@ux1.cso.uiuc.edu>
Organization: km4ba's packet radio gateway, Atlanta GA.
Lines: 44
Posted: Fri Aug 10 22:18:09 1990

phil@ux1.cso.uiuc.edu writes:

>> Think of it as a saga of the Old West, ham style. Nowadays we just
>> patch up the bulletholes in the buildings.

>And this is the state where people shoot each other on the highways.
>Don't they have gun control laws in California?
                  ^^^^^^^^^^^^^^^^
Yes they do, pretty strict ones at that... But they, like other gun control
laws only effect the law abiding citizens. Do some research into the Stockton
massacre, and gang warfare.

>--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
><phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

But back to the subject... On a recent trip to the bay area, I got a heavy dose of the "private" rptr nonsense. I won't go into the details, (I don't even want to remember) but I will never bother carrying a radio to Ca. again. For the same reason & others, I will never live in Ca. if I have any way to avoid it. I know there are good hams in Ca. (many I see on usenet) However, it appears that the ham resources there are dominated by a different type of ham, and it is tolerated.

It is amazing to me that in every other state I have operated in, that common sense prevailed. A rptr operator can make it difficult to use his machine, can turn it off at will, etc. .... But he cannot say "You cannot talk on this freq".

Personally I feel once he turns off his machine, he has vacated the frequency.

I do not agree with malicious interference, but using a freq (input or output) that is *not in use* is not malicious interference.

I take this approach on my machines, and expect other operators to do
the same.

I bash NJ alot, but even they are better in this aspect.

Durnit!!! I allready spent more time than I feel this subject is
worth. Oh well!

73
Alan Barrow km4ba
..!gatech!kd4nc!km4ba!alan

From 5071605212412536749
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,129596b5d3e80f22
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 01:20:20 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!m.cs.uiuc.edu!kenny
From: kenny@m.cs.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Logic vs. Analog ground
Message-ID: <13900020@m.cs.uiuc.edu>
Date: 10 Aug 90 17:28:00 GMT
References: <234255@<1990Aug6>
Lines: 34
Nf-ID: #R:<1990Aug6:234255:m.cs.uiuc.edu:13900020:000:1167
Nf-From: m.cs.uiuc.edu!kenny   Aug 10 12:28:00 1990
Posted: Fri Aug 10 18:28:00 1990

/* Written 2:31 am Aug 9, 1990 by jdg@hpqtdla.HP.COM in m.cs.uiuc.edu:rec.ham-radio */
>>Now we have two grounds internal to our circuit board.
>>What do we do with them?

>Tie them together at the power supply, or as close to the power supply as
>possible.

You might also want to put chokes on the supply and ground lines
between the power supply and the analog side of the circuit. The size
of the chokes, or the design of an RLC filter, will have to be chosen
according to the frequency distribution of the noise that you're
trying to eliminate.

I often use something like

```
    +---- Digital +5
    |
+5-----+---- 100 ohms ----+---- +5 to analog components (3130,
                |               ADC0808, etc.)
```

```
              10 uF and .01 uf in parallel
                 |
GND-----+---- 100 ohms ----+---- Analog ground
     |
     +---- Digital ground
```

Add similar stuff for +12 and -12 if you have them. This is all fine if all your analog stuff is ultra-low-power; the extra hundred ohms doesn't make a difference. Since I use 3130s, 3140s, TL08x, ADC0809, LF11201, and similar MOS parts quite heavily, I don't hasve to worry much about having a low-impedance power supply.

Kevin, KE9TV
kenny@cs.uiuc.edu

From -1504699369680305105
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe1482054b817262
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 01:48:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Hams and 911 (Was: Re: Cellular telephone as emergency service?)
Message-ID: <43854@apple.Apple.COM>
Date: 10 Aug 90 22:11:35 GMT
References: <1990Jul20.175844.8030@ariel.unm.edu> <1530052@hpsad.HP.COM>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 22
Posted: Fri Aug 10 23:11:35 1990

In article <1530052@hpsad.HP.COM> mikew@hpsad.HP.COM (Mike Weihman) writes:
>
>Second, it makes very good business sense for the modern wireline
>telco to preserve this tradition of dependable service. One of the
>programs that makes lots of money for the baby bells is 9-1-1 in its
>various forms. Now, it would look really poor to the towns and
>counties thinking of buying into 911 if the underlying phone system
>were prone to failure on even a rare basis.

Ummm, would this be a good time to mention how hams filled in when the 911 service in Palo Alto went out for several hours once?

Oh, okay. Never mind. :-)

Patty

--
****
Patty Winter N6BIS   INTERNET: winter@apple.com

AMPR.ORG: [44.4.0.44]   UUCP: {decwrl,nsc,sun}!apple!winter
****

From -1141240364699860603
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,982b19aaf085dc27,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 03:35:27 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!ucsd!ucbvax!hplabs!hpcc01!aspen!
laubach
From: laubach@aspen.IAG.HP.COM (Mark Laubach)
Newsgroups: rec.ham-radio
Subject: Business -> Residential info help needed
Message-ID: <3080006@aspen.IAG.HP.COM>
Date: 10 Aug 90 20:53:37 GMT
Organization: HP Information Architecture Group - Cupertino, CA
Lines: 14
Posted: Fri Aug 10 21:53:37 1990

I'm trying to convince GTE California to change our repeater's phone patch line from a business rate to a residential rate. Does anyone have any ammunition to bring to bear that I can use in waging this little war? Currently, they claim ignorance on the issue. The operator I got there had to refer things to her supervisor and claimed it would take at least a week to research the issue.

Thanks for any input, FCC regs, whatever.

Mark, N3BMN
Las Cumbres Amateur Radio Club
Cupertino, CA

From -4635787952908771332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,129596b5d3e80f22
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-11 03:44:57 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
decwrl!ucbvax!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: Logic vs. Analog ground
Message-ID: <18230028@hpfcdj.HP.COM>
Date: 10 Aug 90 17:27:30 GMT
References: <1990Aug6.234255.791@csense.uucp>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 33
Posted: Fri Aug 10 18:27:30 1990

>Now we have two grounds internal to our circuit board.
>What do we do with them?

Having two grounds may or MAY NOT result in a significant reduction in logic noise coupling into the analog circuits; a well-designed single-ground-pland board can be made pretty noise-free as well as a dual-ground scheme. However, if you're set on separate grounds, they obviously must tie together somewhere - assuming, for example, that the logic section provides control signals for the analog section, they won't be able to talk to each other unless they either both think "ground" is the same or you use differential drivers/receivers for the control lines. (One other option might be to couple the two sections *optically*, but that's probably only viable if the number of signals is fairly low. But it'd be a very nice way of getting lots of isolation from noise.)

The grounds may be connected either on the board, perhaps via some ferrite-beaded jumpers at several locations, or back at the power supply or motherboard (if you have one). One problem which I've seen with the ferrite-bead connection comes up if you have any very fast signals crossing from one side to the other - these can put enough impedance in the loop so as to start to screw up reliable signal communications. On one board I recently worked on, we wound up with simple wire jumpers in place of the ferrite-beaded ones - it seemed that just the little bit of wire provided sufficient inductance to hold down the high-frequency noise we were troubled with, but not enough to separate the two grounds significantly for the fast logic signals. Leave yourself several options - places for jumpers, etc., and you might even consider hooking the two grounds together via some fairly heavy traces, which could be cut to go from a single ground plane to separate planes.

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
myers@fc.hp.com                          |  sentient life-form on this planet.
```

From -6318730514360276690
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ff1f5f8dcd222e3a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 14:00:59 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!uflorida!mephisto!ukma!andreap
From: andreap@ms.uky.edu (Andrea Peach)
Newsgroups: rec.ham-radio
Subject: Re: Tower climbing safety
Message-ID: <andreap.650149259@s.ms.uky.edu>
Date: 8 Aug 90 21:00:59 GMT
References: <4140018@hpnjld.HP.COM>
Organization: U of Ky, Math. Sciences, Lexington KY
Lines: 33
Posted: Wed Aug 8 22:00:59 1990

eyg@hpnjld.HP.COM (Ed Gilbert) writes:

>I occasionally find myself doing antenna work atop guyed towers
>such as Rohn 25 or 45. While I feel quite safe once I am buckled
>in with a safefy belt, I keep thinking that there must be some
>simple devices that could make the climb up or down safer. Does
>anyone know of a commercial device that can prevent a person from
>falling off a tower during climbing? I'm thinking of something along
>the lines of a strong rope or wire that runs the length of the tower,
>which some kind of attachment to a safety belt. The attachement to
>the rope or wire would have to allow you to climb up freely, and
>maybe allow you to descend slowly, but grab if you tried to descend
>too rapidly.

>   Ed Gilbert
>   WA2SRQ

Rohn makes such a device for commercial towers. It consists of a
cable that runs up one of the legs from top to bottom supported by
posts that hold the cable about 1" out from the leg. You clip a
device to the cable when you start up and it runs along as you
climb; however, if you fall, the device will lock.

This is something the tower owner must install, it isn't something
a tower climber could temporarily install.

My friend uses a short length of chain with a hook on the end that
he moves as he clibs. I find this gets in the way and that I am a
safer climber if I just do it free style (I think you will find that
most pro's do not attach themselves until they get to a fixed location).

Harold Peach, N4FLZ
Internet: hgpeach@ca.uky.edu

From -5752946827838157684
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9dc02c08fa189bb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 14:43:36 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!mejac!orchard.la.locus.com!
prodnet.la.locus.com!lando.la.locus.com!dlt
From: dlt@lando.la.locus.com (Dan Taylor)
Newsgroups: rec.ham-radio
Subject: Re: Plan to TAKE AWAY 2 Meters and 440
Keywords: TV, Bandwidth, HDTV
Message-ID: <14905@oolong.la.locus.com>
Date: 8 Aug 90 21:43:36 GMT
References: <1699@raybed2.msd.ray.com> <30500650@ux1.cso.uiuc.edu>
<1124@ke4zv.UUCP>
Sender: news@locus.com
Organization: Locus Computing Corporation, Inglewood, CA
Lines: 68
Posted: Wed Aug 8 22:43:36 1990

In article <1124@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
>In article <30500650@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>>
>>In the major metropolitan areas, even the UHF TV band is "full".

I don't belive that, at all. Here in the L.A. basin, only half the UHF allocation is used, even leaving the adjacent channels free.

>>I would certainly urge that HDTV *NOT* be allowed below 2 Ghz.
>
>Ah the mythical HDTV! Don't hold your breath waiting for BROADCAST
>HDTV. The economics just aren't there. My company participated in
>the HDTV tests done for the FCC. We estimate it will cost between
>$20 million and $50 million to convert a television station to
>transmit HDTV. With an installed base of $50 billion in NTSC equipment
>and NO original HDTV programming (except some old "I Love Lucy" reruns
>that were shot on 35mm film--REAL HDTV) available to fill the hours, no
>sane broadcaster is going to attempt the switch. You may see some
>experimental HDTV on cable where the origination costs are lower,
>but, until a large enough audience is equipped to receive HDTV, no
>one is going to broadcast it on a regular basis.

Your company's analysis was SERIOUSLY flawed. It sounds like the arguments against CD's, rehashed. Remember, there was "no installed base" for CD's because "there are no disks to play". Many people would move up to HDTV (real HDTV, not the low-res stuff the FCC says they MAY allow) receivers to take advantage of the higher display resolution, even on less than full-screen, for laser disks (which are coming back), S-VHS tapes, and computer displays. Heck, what was the installed base for TV in 1940? Couldn't we have saved that bandwidth for radio (commercial, military, amateur, etc)?

Why not reallocate the UHF band? Retain, say, channels 14-59 for NTSC and reallocate 60-88 for FULL-BANDWIDTH HDTV, adjusting the spacing as required. The channel conversion costs, including promotion/information to inform consumers of the change, could be subsidized from the license fees payed for the new HDTV channels. The gov't could sell bonds financed by the license fees, and perhaps, an excise tax on HDTV receivers. This way, the relatively small cost to change the broadcast channel isn't a burden on small stations, and the current investment in receivers isn't obsoleted overnight. As the demand for HDTV rises, additional UHF bandwidth could be reallocated. Commercial stations might even "simulcast" on NTSC and HDTV like they (used to) do on FM-AM. Probably using lo-res sources initially, but later using hi-res sources, converting down to NTSC.

As for the lack of programming, there are already HDTV setups for live sports. Live and taped concerts, especially pop, would sell commercial time well. And picture 70MM movies broadcast over HDTV, which also has hi-fi sound!! Other programming could be broadcast with blank, color, or (shudder) commercial messages in the side-bars.

Every advance in consumer electronics, TV, color TV, stereo radio, etc., has been attacked by a combination of vested interests and "Luddites".

Why should the consumers in this country be penalized, when Europe and
the Far East are already finalizing HDTV plans?

>>--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
>><phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

Please re-read your own signature. If the FCC is allowed/encouraged to
snuff real HDTV, what happens to MY (and others) choice? Don't we have
an interest in the RF spectrum?

By the way, I'm not a licensed amatuer. I saw the HDTV posting over a
friend's shoulder. But, please notice that I have NOT advocated or defended
grabbing any of "your" bandwidth for "my" uses.

```
* Dan Taylor    * The opinions expressed are my own, and in no way *
* dlt@locus.com * reflect those of Locus Computing Corporation.    *
```

From 9141608382967155345
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8ee3b078e164e3cb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 16:05:56 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!sdd.hp.com!decwrl!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 filing
Message-ID: <7880244@hpfcdc.HP.COM>
Date: 8 Aug 90 23:05:56 GMT
References: <9008051309.AA00726@cmr.ncsl.nist.gov>
Organization: HP Fort Collins, Co.
Lines: 8
Posted: Thu Aug 9 00:05:56 1990

Using QEX as a statistically significant sample is bogus. I just learned
about QEX two months ago, long after upgrading to Advanced.

On the other hand, I have no better measures, other than perhaps contest
results.

Perry Scott
KF0CA

From 4973476854033873788
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 17:13:13 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio

Subject: Re: DSP beats CW (was: Qualification-based licensing)
Message-ID: <1131@ke4zv.UUCP>
Date: 9 Aug 90 00:13:13 GMT
References: <16831@ucsd.Edu> <26426@usc.edu> <16859@ucsd.Edu> <16861@ucsd.Edu> <10811@crdgw1.crd.ge.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 29
Posted: Thu Aug 9 01:13:13 1990

In article <10811@crdgw1.crd.ge.com> perley@galaxy (Donald P Perley) writes:
>In article <16861@ucsd.Edu>, brian@ucsd (Brian Kantor) writes:
>>In article <26426@usc.edu> kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
>>>I would like to know more. Perhaps you can point me to a couple of papers?
>>
>>These are only recent articles; our on-line current contents catalog
>>only goes back a year or two.
>>   - Brian
>>
>>[PS: I eliminated the articles on a shellfish poison called DSP.]
>
>
>   <list of articles>
>
>Nice list of articles on DSP, but from scanning the titles, nothing
>dealing with how you could use it decode a signal so weak that you
>couldn't even hear it if it was CW (as stated in the first DSP vs CW
>posting).
>
>-don perley

If you reread Brian's original posting, you will find that he said
for "weak signal" work he would use DSP. He didn't say he would use
DSP on weak "CW" signals. In fact, CW is not particularly well suited
for weak signal work since it doesn't retain phase coherence from
pulse to pulse. Slow PSK is a much better choice for really weak signal
work as witness Voyager.

Gary KE4ZV

From 203127757221207187
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2a926091a204d70
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 17:30:29 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!haven!udel!wuarchive!zaphod.mps.ohio-state.edu!usc!snorkelwacker!apple!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Re: Solving the DXCC mess
Message-ID: <3802@altos86.Altos.COM>
Date: 9 Aug 90 00:30:29 GMT

References: <12280011@hpspdra.HP.COM> <1108@ke4zv.UUCP>
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 15
Posted: Thu Aug 9 01:30:29 1990

-Wayne has finally come up with a good idea. If this is implemented,
-I might even get back on HF more frequently. As you might guess, I
-am not a contest operator and enjoy actually talking with people
-in other lands.

How about changing the DXCC rules so that only DX contacts lasting
fifteen minutes or longer count for DXCC credit?

```
--
Jerry Gardner, NJ6A                         Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos86!jerry 2641 Orchard Parkway
Internet: jerry@altos.com                   San Jose, CA  95134
Guns don't kill people, bullets do.                      (408) 432-6200
```

From -3473851295729399105
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c1687312e470a66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 18:25:29 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!rutgers!
cunixf.cc.columbia.edu!gp15
From: gp15@cunixf.cc.columbia.edu (Gerald Pulver)
Newsgroups: rec.ham-radio
Subject: Re: Phonetics for NJ6A (Was: Re: What to do with N0MFW?)
Message-ID: <1990Aug8.015420.27900@cunixf.cc.columbia.edu>
Date: 8 Aug 90 01:54:20 GMT
References: <3784@altos86.Altos.COM>
<1990Aug3.030431.28804@cunixf.cc.columbia.edu> <1990Aug3.173653.20336@xanadu.com>
Reply-To: gp15@cunixf.cc.columbia.edu (Gerald Pulver)
Organization: Columbia University
Lines: 22
Posted: Wed Aug 8 02:54:20 1990

In article <1990Aug3.173653.20336@xanadu.com> jeff@xanadu.com (Jeff Crilly N6ZFX)
writes:
>In article <1990Aug3.030431.28804@cunixf.cc.columbia.edu>
gp15@cunixf.cc.columbia.edu (Gerald Pulver) writes:
>>In article <3784@altos86.Altos.COM> jerry@altos86.UUCP (Jerry Gardner) writes:
>>>
>>>How about NJ6A ???
>>
>>Need Just Six Armadillos ?
>
>

>O.k. Gerald, maybe you should set up a service.....but I wonder if you can
>find phonetics for this one: N6ZFX (I already scanned the dictionary).

Well, to continue on the animal needs theme, perhaps you

Need Six Zebras From Xanadu ?

or.. you could insist:

Not Six Zithers, Freakin' Xylophones!

73,
Gerald (wb2rsi)

From -7974348918667861156
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,72436facb064c3ec,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 18:34:50 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!kuhub.cc.ukans.edu!baxter
From: baxter@kuhub.cc.ukans.edu
Newsgroups: rec.ham-radio
Subject: Alinco DR-570
Message-ID: <25208.26bf3bac@kuhub.cc.ukans.edu>
Date: 8 Aug 90 03:07:40 GMT
Organization: University of Kansas Academic Computing Services
Lines: 10
Posted: Wed Aug 8 04:07:40 1990

Has anyone any experience with the Alinco DR-570 dual-bander? I bought the radio and it seems to be GREAT. It comes with extended receiver coverage on high band, and it has as a standard feature cross-band repeat.

Does anyone know how to extend the receive coverage on the UHF side, to allow reception above 449.995 mHz?

Kirk Baxter, N0FPZ

From 3227165153429671774
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 18:54:51 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!wuarchive!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing

```
Message-ID: <30500662@ux1.cso.uiuc.edu>
Date: 8 Aug 90 02:31:00 GMT
References: <14117@shlump.nac.dec.com>
Lines: 33
Nf-ID: #R:shlump.nac.dec.com:14117:ux1.cso.uiuc.edu:30500662:000:1446
Nf-From: ux1.cso.uiuc.edu!phil    Aug  7 21:31:00 1990
Posted: Wed Aug  8 03:31:00 1990


> In article <16831@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
> >Were I to do weak-signal work, I'd use a properly-designed and
> >easily-built digital signal processing receiver.  Such can receive and
> >decipher signals so far down in the noise that you couldn't even tell
> >there was a CW signal there.
>
> And you would talk to yourself, since no one else would be suitably
> equipped to receive you similarly.

When I finally move into a house and put up a tower, he can talk with me.

> Also, you would spend a lot of time you don't anticipate writing special
> code to cover for flutter, to make a myriad of interpretative reconstructions
> of received sounds (unless you just reconstructed tones and used ear/brain
> for data reconstruction, heaven forbid), and trying to get another person
> or two to do the same so you could conduct meaningful communications.

Good software propogates fast.

>The supposed advantage of CW for weak-signal work is an illusion with
>recent technology.
>    - Brian

This may be true on paper, but in practice, amateurs >use< CW (and phone,
and packet).  One has to build up a clientelle for anything else, and
>that< is the real challenge.

We're working on it... it's called anti-irrelevancy-licensing, more
conventionally known as "no-code".

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From 2102097121664273700
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49e229dec8c34972
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 18:55:02 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!uwm.edu!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: 6m Base Antenna Ideas
```

Message-ID: <30500665@ux1.cso.uiuc.edu>
Date: 8 Aug 90 03:18:00 GMT
References: <3843@crash.cts.com>
Lines: 14
Nf-ID: #R:crash.cts.com:3843:ux1.cso.uiuc.edu:30500665:000:667
Nf-From: ux1.cso.uiuc.edu!phil   Aug 7 22:18:00 1990
Posted: Wed Aug 8 04:18:00 1990

> This is for a mountain top repeater installation where the winter weather can be quite severe. Previous antennas have been constructed out of EMT, IRON pipe and stainless steel whips. All of these antenna ideas have given in to the ice and wind.
>
> What do you use? What would you do?

First thoughts might be to suggest using heavy duty tubing, and make a slot antenna. Feed it from the inside, vertically, and seal it up tight. I've never tried it... it's just a thought off the top of my head.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -6474463183188028010
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 18:55:28 PST
Path: gmdzi!unido!mcsun!uunet!samsung!know!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <30500663@ux1.cso.uiuc.edu>
Date: 8 Aug 90 02:56:00 GMT
References: <LPX&-WM@splut.conmicro.com>
Lines: 68
Nf-ID: #R:<LPX&-WM@splut.conmicro.com>:-28:ux1.cso.uiuc.edu:30500663:000:3967
Nf-From: ux1.cso.uiuc.edu!phil   Aug 7 21:56:00 1990
Posted: Wed Aug 8 03:56:00 1990

> The reason I used the word "toothless" is that the FCC is very reluctant to get involved in repeater coordination wars. There have been several cases where there were battles between coordinating bodies. The FCC stance has been to either stand aside and recognize BOTH groups (which is, of course, absurd, but happened in Sourthen California) or to ask for a vote of the USER COMMUNITY (I believe this was suggested in Kansas City)!

Most repeater owners apparently do not want this kind of "outside" influence.

> Note that current coordinating bodies (such as the one here in AZ) are

> usually controlled by existing repeater owners, who have a clear
> conflict of interest in their position. Some years back I discussed
> this problem with Carol Foelak (at that time the lawyer for PRB
> ham radio issues) and she agreed that they had no good way to
> deal with competing coordinators, that the conflict of interest in the
> coordinating groups was the Achilles heel of the system, and that the interes
> of the USER's must be considerd in coordinating decisions.

The USER's, which also include potential operators of newer repeater systems,
definitely have a vested interest in how the spectrum is used or wasted.

The FCC would be in a terrible position of taking away our frequencies
just because of the low density of repeaters *IF* we indicated that we
COULD have made use of the spectrum had they let us.

>   So, if someone wants to cause trouble (or maybe even do some good,
> although I don't generally like such tactics), they can set up a
> competing coordinating body that refuses to recognize the closed
> repeaters. If they are clever, they will appeal to the USER community (which,
> of course, does not have a large percentage of closed repeater users) and
> maybe win FCC recognition OVER the old coordinating body.

One could TRY to work things out from the INSIDE. But that is very difficult
with organizations that restrict their membership to owners of coordinated
repeaters. The savvy coordinating group will open up its membership to all
amateurs.

> As the need for frequencies gets more intense, more of these disputes
> will arise. Today, there are many frequencies, throughout the country,
> that are RESERVED for tiny groups with a few members. Also, there are
> large organizations (such as Cactus) that tie up a large number of
> wide area frequencies for their private use [I should note that Cactus
> has made their system available in emergencies, but only if Cactus
> members are available to control it.] This cannot continue. Where are
> we going to put new mode repeaters? What if a large organization wants
> to experiment with trunking technology (which would greatly relieve
> band congestion)? Where do they get the frequencies? How about
> digital modes (packet, digital voice, TDMA digital voice, etc)?
> Why should almost all frequencies be tied up so that these private
> groups can occasionally use a quiet FM frequency?

There is of course the CURRENT 220 problem. Assuming the FCC decision to
take away 220-222 Mhz is not reversed, which is a distinct possibility,
the remaining 3 Mhz needs to still be shared. But the question is how to
share it. Are we going to take away 40% from each type of usage across
the board? What will coordinators tell repeater owners? Will we have
40% fewer repeater channels or will we reduce the channel spacing (which
might be hard since I understand SOME 220 Mhz are stuck on 20 khz spacing).
Are there any groups who demands on the spectrum will go down?

This situation might actually force us to learn, as a group, how to make
better use of spectrum. If we take advantage of the learning, we can also
make expansion of the who amateur service work, and perhaps save most of

the rest of our spectrum.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From 2889089881766005867
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,799ddbd1001699d2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 18:55:31 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!wuarchive!brutus.cs.uiuc.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: English R1 Manual available via ano
Message-ID: <30500666@ux1.cso.uiuc.edu>
Date: 8 Aug 90 04:16:00 GMT
References: <231645@<1990Aug7>
Lines: 26
Nf-ID: #R:<1990Aug7:231645:ux1.cso.uiuc.edu:30500666:000:1103
Nf-From: ux1.cso.uiuc.edu!phil    Aug  7 23:16:00 1990
Posted: Wed Aug  8 05:16:00 1990
```

> A scanned PostScript copy of the English R1 manual is now available via
> anonymous ftp from wilbur.Stanford.EDU (36.14.0.30). The manual was
> scanned into TIFF format by kpt@doc.imperial.ac.uk, and was munged into
> .ps using the pbmplus toolkit.   Share and enjoy.

The path to the file is pub/R1.tar.Z

For those of you using BSD UNIX or close enough compatibles, one command can snarf it up and make the R1/*.ps files directly:

```
echo 'user anonymous yourid@your.host\
binary\
get pub/R1.tar.Z "|zcat|exec tar xvf -"\
quit' | ftp -nv 36.14.0.30
```

The uncompressed files tape up 4.4 megabytes of space. The compressed file is only 600 kilobytes.

The "exec" in the above command reduces your swap space demands by have one fewer process sitting around doing nothing (the shell that ftp starts to invoke the pipeline). Some systems have a smarter shell that will do this for you anyway, and some others have a dumber shell that won't at all.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From -7114703078110385737
```

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 18:55:35 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!
rutgers!ucsd!sdd.hp.com!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <30500664@ux1.cso.uiuc.edu>
Date: 8 Aug 90 03:06:00 GMT
References: <LPX&-WM@splut.conmicro.com>
Lines: 21
Nf-ID: #R:<LPX&-WM@splut.conmicro.com>:-28:ux1.cso.uiuc.edu:30500664:000:1109
Nf-From: ux1.cso.uiuc.edu!phil    Aug  7 22:06:00 1990
Posted: Wed Aug  8 04:06:00 1990


> >......................... If I want to carry on a simplex conversation
> >on the input frequency, using the repeater's PL, that is my right!
>                                                   ^^^^^^^^^^^^^^^^
> Think again.
>
> Such an action, if it can be shown that you know that you are using the private
> repeater's PL, would be willfull and malicious interference; an action
> prohibited by FCC regulations.

I don't quite agree.  While it may not be good operating practice, and may
even be eligible for NOV on that grounds, it is not interference unless some
other communication is actually interefered with.  Simply arranging to
carry on a simplex QSO in such a way that a repeater will play it out for
all to hear on another frequency is not interference.  If that repeater
has an ongoing QSO, then it is.  If that repeater's output is interfering
with something else, and IF YOU KNOW THAT and operate anyway, again that is
interference.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From 7321456570981512217
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a3f8e4a274e6a7a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 19:38:52 PST
Path: gmdzi!unido!mcsun!uunet!salt.acc.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: One less use of Morse code
Message-ID: <16993@ucsd.Edu>
Date: 8 Aug 90 06:38:51 GMT
Organization: The Avant-Garde of the Now, Ltd.
```

Lines: 29
Posted: Wed Aug 8 07:38:51 1990

Quoted from the telecom digest/newsgroup:

From: contact!ndallen@uunet.uu.net (Nigel Allen)
Newsgroups: comp.dcom.telecom
Subject: Coastal Telegraph Stations
Date: 8 Aug 90 00:39:00 GMT
Sender: news@accuvax.nwu.edu
Organization: Contact Public Unix BBS. Toronto, Canada.

Before INMARSAT began to provide satellite radio service to ships at sea, the only way to send a message to a ship was through a coastal radio station, either by voice or by telegraph. (I think that teletype service was available through Rogaland Radio in Norway, but not in North America.) INMARSAT is quite expensive ($12 per minute from Canada), but even so coastal radio stations are closing down in the U.S.

{Popular Communications} Magazine reports that Western Union has filed with the FCC to shut down its coastal telegraph station KFS (location unspecified), and that some other coastal telegraph stations, WPA, WOE, WMH, WSL and KOK (locations and owners unspecified) have already been closed down.

...

Nigel Allen   telephone (416) 535-8916
52 Manchester Ave.   fax (416) 978-7552
Toronto, Ontario M6G 1V3
Canada

From -4921091819296999856
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20839ee53c5ca776,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 20:10:40 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!swbatl!texbell!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: A New War?
Keywords: Another Dead Horse
Message-ID: <202@bongo.UUCP>
Date: 9 Aug 90 03:10:40 GMT
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 25
Posted: Thu Aug 9 04:10:40 1990

In the foreseeable future the FCC is going to pontificate on the No-Code question. When that happens, what will the sclerotic and gasping old farts have left to whine about?

May I suggest a new cause? How about the Metric system? I am sure some of our usual correspondents can generate reams on why its no good, how it will never work and how you can succeed without it.

May I kick it off by pointing out that it was introduced by Napoleon in 1801 and is now the usual system of measurement in all countries except the U.S., Brunei and maybe another couple of fiefdoms.

The connection here is that most countries have No-Code except the U.S., Bermuda, Jordan and a few other fiefdoms. I find amazing similarities between these two subjects. They also both concern change and future technology.

So get ready to fire up the arguments to support a measurement system inherited from the British and generally known as "Imperial Measure".

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From -7928846590309334732
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db7de8f93f78ff30
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 21:24:56 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!mips!pacbell.com!pacbell!well!tenney
From: tenney@well.sf.ca.us (Glenn S. Tenney)
Newsgroups: rec.ham-radio
Subject: Re: test
Message-ID: <19457@well.sf.ca.us>
Date: 8 Aug 90 07:17:58 GMT
References: <3818@crash.cts.com> <30500659@ux1.cso.uiuc.edu>
Organization: Whole Earth 'Lectronic Link, Sausalito, CA
Lines: 11
Posted: Wed Aug 8 08:17:58 1990

I tell people to *always* take all the tests they can. This means take all the written tests up thru extra until you don't pass one. You might surprise yourself! It doesn't cost any more. As for the code, try the 20 and then the 13 too before dropping down to the 5. Even if you flunk the other two, you can take the 5wpm. Again, you might surprise yourself. Or just consider the faster tests to be a warmup. This helps get you familiar with the testing process, the code tapes they use, etc. If all you expected to get was 5wpm, by the time you heard 20 and 13, 5 will be a piece of cake.

Glenn AA6ER (and a VE)

From -3445754511148548935
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2920b753575b41de
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,2920b753575b41de
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-08-08 21:48:45 PST
Path: gmdzi!unido!mcsun!uunet!midway!linac!uwm.edu!zaphod.mps.ohio-state.edu!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: English R1 Manual available via anonymous ftp
Message-ID: <26483@usc.edu>
Date: 8 Aug 90 09:01:35 GMT
References: <1990Aug7.231645.12444@portia.Stanford.EDU>
Sender: news@usc.edu
Followup-To: rec.ham-radio
Organization: EE-Systems, USC, Los Angeles
Lines: 25
Xref: gmdzi rec.ham-radio:13725 rec.radio.shortwave:1799
Posted: Wed Aug 8 10:01:35 1990
Nntp-Posting-Host: pollux.usc.edu

After reading this R1 manual, I failed to spot any "delay" function, whereby an extra delay can be added to a simplex frequency, or a frequency with a repeater with a short hang time, so scanning won't resume until a response is heard. Does the R1 or the R100 have a delay function?

I also note the lack of "banks" for scanning, although you can set the lower and upper memory channel to scan between, effectively having 1 bank.

Icom may have done something significant in producing a very small wideband receiver, but they have ignored things that other manufacturers have learned concerning the user interface. I think they should be faulted for this. There is no reason that this scanner can't have these very useful features, probably just by re-writing the firmware.

If Icom is planning for a future model with these features, or more memories, then I think they should be faulted for this also. They should just do it right the first time, corner the market, and take their profits right away. I'm a poor student, and although I would like such a receiver, even as it is, I can (and will) wait until something more to my liking comes out. :-)

--
Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

---

From -8201820466380329312
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,631de69c4c008348,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 22:53:52 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!UNB.CA!LANG
From: LANG@UNB.CA
Newsgroups: rec.ham-radio
Subject: New DOVE Telemetry Equations?
Message-ID: <ID7355.D900808.T103855.LANG@UNB.CA>
Date: 8 Aug 90 13:38:54 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Wed Aug 8 14:38:54 1990

DOVE, the Digital Orbiting Voice Encoder microsat seems to be steadfastly back on 2m now. But the telemetry packets have two fewer channels than before. Does this mean that the whole set of telemetry channels has been changed or reorganized or that just the last two (related to the S-band xmtr) have been dropped? Also, is there a new set of telemetry equations to go along with the new format? There appear to be more non-zero values in the status bits now too. Is there an up-to-date description of what they all mean? Many thanks in advance for any help anyone can offer.

```
================================================================================
 Richard B. Langley                              BITnet: LANG@UNB.CA or SE@UNB.CA
 Geodetic Research Laboratory                    Phone:  (506) 453-5142
 Dept. of Surveying Engineering                  Telex:  014-46202
 University of New Brunswick                     FAX:    (506) 453-4943
 Fredericton, N.B., Canada  E3B 5A3
================================================================================
```

From -1774130911163654508
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7916dd92997aa89,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 22:54:37 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!eng3.hep.uiuc.edu!mjh
From: mjh@eng3.hep.uiuc.edu (michael j haney)
Newsgroups: rec.ham-radio
Subject: Morse for Mac
Keywords: Morse code Macintosh computer
Message-ID: <1990Aug8.141954.3389@ux1.cso.uiuc.edu>
Date: 8 Aug 90 14:19:54 GMT
Sender: usenet@ux1.cso.uiuc.edu (News)
Distribution: rec.ham-radio
Organization: University of Illinois at Urbana
Lines: 5
Posted: Wed Aug 8 15:19:54 1990

I am looking for Macintosh software that will teach morse code.
Any suggestions?

Mike Haney
haney@cs.uiuc.edu

From -3204100555420307431
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eb481cf69b5e6a96
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 01:27:22 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!OAC.UCLA.EDU!
CSMSCST
From: CSMSCST@OAC.UCLA.EDU (Chris Thomas, AA6SQ)
Newsgroups: rec.ham-radio
Subject: Re: TS-940 Fan Question
Message-ID: <9008081600.AA10154@ucsd.edu>
Date: 8 Aug 90 15:58:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 2
Posted: Wed Aug 8 16:58:00 1990

The fan on my 940 comes on after 15-20 minutes in receive only,
and stays on.

From -1613188331767664793
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 02:01:21 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: extra exam matter Re: Qualification-based licensing
Summary: Wayne's view(s)
Message-ID: <83@thoreau.nsc.com>
Date: 8 Aug 90 12:29:19 GMT
References: <10437@crdgw1.crd.ge.com> <18230025@hpfcdj.HP.COM>
Organization: National Semiconductor, S. Portland, Maine
Lines: 11
Posted: Wed Aug 8 13:29:19 1990

In article <18230025@hpfcdj.HP.COM>, myers@hpfcdj.HP.COM (Bob Myers) writes:
>
> Let's dump "punishment
> licensing" (as Wayne Green used to call it) as soon as we can!
> |||||||||||

How many remember that back in '62 to '65 or so Wayne Green was
one of the prime driving forces behind Incentive Licencing? Time

works in strange ways!

Ron, K3FR

From 1510228589556926373
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6689244f30762af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 02:02:11 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: Communicator Class
Message-ID: <84@thoreau.nsc.com>
Date: 8 Aug 90 12:49:37 GMT
References: <9007260548.AA16565@tecnet1.jcte.jcs.mil> <80@thoreau.nsc.com>
<1990Aug7.041014.1172@bellcore-2.bellcore.com>
Organization: National Semiconductor, S. Portland, Maine
Lines: 20
Posted: Wed Aug 8 13:49:37 1990

In article <1990Aug7.041014.1172@bellcore-2.bellcore.com>, karn@envy.bellcore.com
(Phil R. Karn) writes:
> But I don't see any other way to bring in the TCP/IP
> "priests" (and other technically oriented people) without it. There
> will always be chaff with the wheat. But at least we won't be throwing
> out the wheat.
>

True, and until the cream is able to rise should we not let it rest rather than attempt to homoginize the mixture?

>
> Start thinking in terms of how the NON-amateur world views amateur radio,
>

I have and it scares me! Total integration of an as yet untested community larger than our current population REALLY scares me!

Ron, K3FR

p.s. right Phil this time.

From -6246036846161442132
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e046d65d8c933f7a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 02:14:46 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio

```
Subject: re: 910MHz equipment of note
Message-ID: <9008081636.AA11977@ucsd.edu>
Date: 8 Aug 90 16:36:18 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 2
Posted: Wed Aug  8 17:36:18 1990

Regarding the DAK unit, is it likely the spread spectrum characteristics
are such that hams can use it legally, unmodified?


From -2373735633097932682
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,807236d0b9c0bd29,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 04:36:02 PST
Path: gmdzi!unido!mcsun!sunic!chalmers!holtec!simulina!hk
From: hk@simulina.se (H}kan K{llberg)
Newsgroups: rec.ham-radio
Subject: Frequencies for european weather fax transmissions?
Keywords: fax weather frequency short wave Europe
Message-ID: <3251@simulina.se>
Date: 8 Aug 90 16:34:48 GMT
Distribution: rec
Organization: Simulina AB, Goteborg, Sweden
Lines: 15
Posted: Wed Aug  8 17:34:48 1990

I post this for a friend, named Bengt Nelson, so please reply
directly to his address which is:

nelson@kpool.se

Does anyone have recent informations about frequencies and
transmission schedules for european weather fax stations?

              Bengt

--
Hakan Kallberg                        Tel: nat 031 - 18 61 24
Simulina AB                                int +46 - 31 18 61 24
Egnahemsv  22 C                       E-mail: hk@simulina.se
S-413 21  GOTEBORG   Sweden


From 16805023430264837
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,139567687aed958c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 04:36:28 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-
state.edu!sdd.hp.com!ucsd!ucbvax!XEROX.COM!"Scott_C._Gray.ElSegundo"
```

From: "Scott_C._Gray.ElSegundo"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Re: Alinco DR570T
Message-ID: <900808-105444-18347@Xerox>
Date: 8 Aug 90 17:53:21 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 45
Posted: Wed Aug 8 18:53:21 1990

KIrk Baxter, N0FPZ writes:

>Has anyone any experience with the Alinco DR-570 dual-bander? I bought the radio and it seems to be GREAT. It comes with extended receiver coverage on high band, and it has as a standard feature cross-band repeat.

>Does anyone know how to extend the receive coverage on the UHF side, to allow reception above 449.995 mHz?

>Kirk Baxter, N0FPZ

I just purchased the DR-570T also. This has got to be the most full-featured dual-band mobile on the market. I am impressed with the unit, not so much the user manual. A service manual is available from Alinco for 10 bux.

There are many undocumented features especially in the "repeater mode". Alinco claims that you can ONLY repeat from the VHF VFO to the UHF VFO and vice-versa. No PL or CTCSS decode or offsets....... wrong! (pleasant surprise!). You can repeat from memory to memory or vfo to memory, CTCSS, PL, and offsets can be included. The DR-570T has DUAL CTCSS decoders and encoders (a paid option on the new upcoming DR-590T)! Also, all of the usual panel controls are live while in repeat mode so you can change paramaters while in the active repeat mode.You can also pick up the mike and join in on the QSO in progress!. Even the up-down buttons are still functional making remote control with a homebrew DTMF decoder a reality.

As far as out-of -band enable, just pull off the top cover, place the radio with the knobs facing away from you. Locate the logic board behind the front panel. Towards the top middle of logic board (in the unsheilded area) are three white color jumpers, the one on the left tilts about 45 degrees. You want to cut the last jumper on the right (about mid-front panel). Replace the cover. Turn on the radio with the Function key depressed. The rig will now have to be re-programmed. Frequency range Rx and Tx : 130Mhz-170MHz, 420Mhz -470MHz. Rx only: 335-385 MHz and 850 Mhz to 890 MHz. No re-alignment is needed for these ranges. Power out is about 15-20 watts at the extreme edges on UHF with receive sensitivity dropping off to no worse than about 1 microvolt at the edges. I didn't measure VHF yet...

Scott Gray   KD6CQ
Day phone:(213) 333-5844

From -9124614724183889703
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ff1f5f8dcd222e3a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 04:37:27 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!trey
From: trey@ut-emx.UUCP (Trey Garlough)
Newsgroups: rec.ham-radio
Subject: Re: Tower climbing safety
Message-ID: <35511@ut-emx.UUCP>
Date: 8 Aug 90 17:51:07 GMT
References: <4140018@hpnjld.HP.COM>
Organization: The University of Texas at Austin, Austin, Texas
Lines: 19
Posted: Wed Aug 8 18:51:07 1990

In article <4140018@hpnjld.HP.COM>, eyg@hpnjld.HP.COM (Ed Gilbert) writes:
| I occasionally find myself doing antenna work atop guyed towers
| such as Rohn 25 or 45. While I feel quite safe once I am buckled
| in with a safefy belt, I keep thinking that there must be some
| simple devices that could make the climb up or down safer. Does
| anyone know of a commercial device that can prevent a person from
| falling off a tower during climbing? I'm thinking of something along
| the lines of a strong rope or wire that runs the length of the tower,
| which some kind of attachment to a safety belt. The attachement to
| the rope or wire would have to allow you to climb up freely, and
| maybe allow you to descend slowly, but grab if you tried to descend
| too rapidly.

I've seen an accessory like this in the Rohn catalog, but I'm not sure
if is available for small towers like Rohn 25 and 45.

Trey Garlough
Computation Center, University of Texas, Austin, Texas 78712
trey@emx.CC.UTEXAS.EDU (internet) (512-471-3241)

From 4548620925387010248
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 05:32:14 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!rpi!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: extra exam matter
Message-ID: <10861@crdgw1.crd.ge.com>
Date: 8 Aug 90 18:40:08 GMT
References: <10437@crdgw1.crd.ge.com> <18230025@hpfcdj.HP.COM>

<83@thoreau.nsc.com>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@trub.crd.ge.com
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 30
Posted: Wed Aug 8 19:40:08 1990

I questioned how questions about what element designators (1a, 3b, etc) are required for what lisence would help ensure legal operation of your extra class station (the supposed purpose of the legal section of the exam).

Several people pointed out that one of the priviledges of the Extra was to be a VE, so you should know these things. I just got my 610 in the mail yesterday, and all of the elements required for each class are printed right on the form. Since it is apparently impossible to excercise the VE priviledge without someone handing you a 610, I say again: Is there any point to memorizing yet another list?

How about the new system of emission designators, when right in the ARRL edition of the rule book they say that the fcc has gone to english descriptions because the designators are too restricting, and really pretty pointless anyway.

Again, I am not saying "They shouldn't ask these because they are too hard," I am saying they shouldn't ask them because they are useless, and they displace questions that could be more relavent.

I suppose I should really be venting this steam towards the ARRL. Maybe after I take the test.

-don perley ke2tp

perley@trub.crd.ge.com

From 4943766224644713827
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 06:00:54 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <43783@apple.Apple.COM>
Date: 9 Aug 90 02:19:55 GMT
References: <14117@shlump.nac.dec.com> <30500651@ux1.cso.uiuc.edu> <16831@ucsd.Edu> <312@adept.UUCP> <1990Aug8.190108.20257@csc.ti.com>
Organization: Apple Computer Inc., Cupertino, CA

Lines: 30
Posted: Thu Aug 9 03:19:55 1990

In article <1990Aug8.190108.20257@csc.ti.com>, hoenig@osage.csc.ti.com
(Mike Hoenig) writes:

> Am I the only one on this Internet who has heard of EMP? You know,
> that well-documented feature of lightning, nuclear weapons, etc., which
> makes ALL of "today's technology" nothing more than rocks? Something
> about: If your equipment is not "hardened" against it, EMP WILL take
> out your commercially-built, general-public electronics. I understand
> that even military electronics has its limits, and it IS being hardened
> these days. THAT IS THE ADVANTAGE AND THE BASIS OF THE INTERNATIONAL
> REQUIREMENT FOR A KNOWLEGE OF CW BELOW 30MHZ.

EMP is the *basis* of CW requirements? You must be pulling our legs, right? I don't believe any country had the capability of detonating a nuclear device a few kilometers over your head when the CW regs were first put in place.

Lets face it, most Hams, CW ops or not, would probably head for the nearest HRO after they get hit by lightning. I see no reason why knowledge of CW would have any bearing on a person's ability to homebrew a rig after a big one hits.

Ahhhh, I know, after the EMP hits, the CW op would find an ignition coil from a '48 Ford that has not been zapped, look for some iron filings to fabricate a coherer with, and communicate using ..... SPARK! :-)

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From 175131369174165911
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2920b753575b41de
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 07:48:01 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!helios.ee.lbl.gov!pasteur!agate!shelby!portia.stanford.edu!jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: English R1 Manual available via anonymous ftp
Message-ID: <1990Aug8.172004.12143@portia.Stanford.EDU>
Date: 8 Aug 90 17:20:04 GMT
References: <1990Aug7.231645.12444@portia.Stanford.EDU> <26483@usc.edu>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 14
Posted: Wed Aug 8 18:20:04 1990

```
X-Local-Date: 8 Aug 90 10:20:04 PDT

In article <26483@usc.edu> kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
>After reading this R1 manual, I failed to spot any "delay" function,
>whereby an extra delay can be added to a simplex frequency, or a
>frequency with a repeater with a short hang time, so scanning won't
>resume until a response is heard.  Does the R1 or the R100 have a delay
>function?

The R1 has two scan continuation modes; the default is t-10, where scanning
continues after ten seconds of channel carrier.  The other mode (which I use)
continues scanning after the carrier drops AND two seconds pass (p-02).
So, it does indeed have a delay function.

-=Paul Flaherty, N9FZX/VK2WYX | "TEXAS! Has a USENET in it... (Lord have Mercy
->paulf@shasta.Stanford.EDU   | on us all!)" -- _The Best Little Net in Texas_


From -7110589627656052935
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 08:18:01 PST
Path: gmdzi!unido!mcsun!uunet!cos!hqda-ai!media!csense!bote
From: bote@csense.uucp (John Boteler)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <1990Aug9.151801.1092@csense.uucp>
Date: 9 Aug 90 15:18:01 GMT
References: <2827@anasaz.UUCP>
Organization: Common Sense Computing, McLean, VA.
Lines: 25
Posted: Thu Aug  9 16:18:01 1990

From article <2827@anasaz.UUCP>, by john@anasaz.UUCP (John Moore):
> In article <1990Aug4.001803.13914@bellcore-2.bellcore.com>
karn@thumper.bellcore.com writes:
> ]You have to realize that the "we can't change anything, we'd get sued"
> ]line is basically nothing more than a cop-out.
>
> I'm sorry, Phil, but I have to disagree. Even a frivolous lawsuit can
> cause one considerable trouble and expense.

Sue for what damages?

> Ask the coordinators in Texas what it feels like to be sued.

Sue for what damages??

> While anyone CAN sue, the most likely people to sue in these cases
> are the crackpots that are also the most likely to fight over
> coordination matters.
```

Sue for what damages???

Seeking what relief?

--
John Boteler   bote@csense.uucp   {uunet | ka3ovk}!media!csense!bote
NCN NudesLine: 703-241-BARE -- VOICE only, Touch-Tone(TM) signalling

From -3185216400807129962
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7af86dfe73bbb913
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 08:25:33 PST
Path: gmdzi!unido!mcsun!uunet!cos!hqda-ai!media!csense!bote
From: bote@csense.uucp (John Boteler)
Newsgroups: rec.ham-radio
Subject: Re: spectrum congestion
Message-ID: <1990Aug9.152533.1152@csense.uucp>
Date: 9 Aug 90 15:25:33 GMT
References: <30500660@ux1.cso.uiuc.edu>
Organization: Common Sense Computing, McLean, VA.
Lines: 19
Posted: Thu Aug 9 16:25:33 1990

From article <30500660@ux1.cso.uiuc.edu>, by phil@ux1.cso.uiuc.edu:
> Think about where the AUTHORITY of a coordinator to deny a coordination
> SHOULD come from?

The coordinator's authority ideally comes from the consent of the governed (sound familiar?). If the operators (not necessarily OWNERS) of coordinated repeater systems consent to the recommendations of the coordinator, there is no problem.

As soon as the bulk of the operators stop cooperating with the coordinator, they stop cooperating with one another by definition. They have only themselves to blame for their own mess. Too bad.

Violins on sale here, now. Crying towels in the dispenser behind you.

--
John Boteler   bote@csense.uucp   {uunet | ka3ovk}!media!csense!bote
NCN NudesLine: 703-241-BARE -- VOICE only, Touch-Tone(TM) signalling

From 1020718620418335375
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 10:03:16 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!wuarchive!udel!sbcs!ameristar!rick

From: rick@ameristar (Rick Spanbauer)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <1990Aug9.031915.4213@ameristar>
Date: 9 Aug 90 03:19:15 GMT
References: <312@adept.UUCP> <1990Aug8.190108.20257@csc.ti.com>
<1990Aug8.235752.11346@bellcore-2.bellcore.com>
Organization: Ameristar Technology, Inc
Lines: 27
Posted: Thu Aug 9 04:19:15 1990

In article <1990Aug8.235752.11346@bellcore-2.bellcore.com>
karn@thumper.bellcore.com writes:
>
>In article <1990Aug8.190108.20257@csc.ti.com>, hoenig@osage.csc.ti.com
>(Mike Hoenig) writes:
>|> Am I the only one on this Internet who has heard of EMP? You know,
>|> that well-documented feature of lightning, nuclear weapons, etc., which
>|> makes ALL of "today's technology" nothing more than rocks? Something
>|> about: If your equipment is not "hardened" against it, EMP WILL take
>|> out your commercially-built, general-public electronics. I understand

>Those who argue that CW is essential when "the chips are down" seem to
>consider only the transmitter. How about the receiver, which is much
>more susceptible to EMP? Remember, if you can't hear 'em, you can't
>work 'em. If simplicity of overall system design is what you're
>after, then AM is the mode to use since it can be received by crystal
>sets.
>Phil

hear, hear, Phil. And when such nonsense scenarios are argued
people seem to forget, too, how much the biological part of
the receiver is affected. To say the least, any bomb that went
off in my neck of the woods would rather significantly shuffle my
priorities away from ham radio (if the shack & its operator survived
the event at all)!

Rick

From 7544956128887700904
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2920b753575b41de
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 10:09:01 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: English R1 Manual available via anonymous ftp
Message-ID: <26498@usc.edu>
Date: 9 Aug 90 04:47:40 GMT
References: <1990Aug7.231645.12444@portia.Stanford.EDU> <26483@usc.edu>

<1990Aug8.172004.12143@portia.Stanford.EDU>
Sender: news@usc.edu
Organization: EE-Systems, USC, Los Angeles
Lines: 21
Posted: Thu Aug 9 05:47:40 1990
Nntp-Posting-Host: pollux.usc.edu

In article <1990Aug8.172004.12143@portia.Stanford.EDU> paulf@jessica.stanford.edu
(Paul Flaherty) writes:
>In article <26483@usc.edu> kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
>>After reading this R1 manual, I failed to spot any "delay" function,
>The R1 has two scan continuation modes; the default is t-10, where scanning
>continues after ten seconds of channel carrier. The other mode (which I use)
>continues scanning after the carrier drops AND two seconds pass (p-02).
>So, it does indeed have a delay function.

No, it DOESN'T have a delay function, as scanner users are used to.
There should be _TWO_ different delays, after which scanning will resume.

In other scanners, scanning will resume almost immediately after the
carrier drops, unless the delay function is set. If the delay function
is set, then scanning will resume a few seconds after the carrier drops.
In this way, you can program simplex frequencies and repeaters with
very short hang times with the delay, and repeaters with long hang times
without the extra delay. This is a much nicer scheme that the R1 seems
to provide (after my quick scan of the R1 manual).

--
Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From 4073945772610804065
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 10:13:57 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: EMP in the movies
Summary: Amusing excerpt from "Testament"
Keywords: EMP, "Testament"
Message-ID: <43787@apple.Apple.COM>
Date: 9 Aug 90 04:49:26 GMT
References: <312@adept.UUCP> <1990Aug8.190108.20257@csc.ti.com>
<1990Aug8.235752.11346@bellcore-2.bellcore.com> <1990Aug9.031915.4213@ameristar>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 32
Posted: Thu Aug 9 05:49:26 1990

Well, I can't let this discussion of electromagnetic pulses go by

without mentioning the nice bit of accuracy in the movie "Testament."
When nuclear bombs destroy the San Francisco area, EMP fries the
transistorized equipment of the local ham (your basic grandfatherly
type) in the small Sierra foothills town where the movie is set.
BUT!....his old tube-based gear survives, and he uses it to maintain
contact with the outside world as long as possible.

Uh-oh, now I've probably started a war about tubes-vs.-transistors
to replace the current CW-vs.-SSB debate. :-)

By the way, it's a damn fine movie. Depressing, but excellently done.
And a prize goes to the first person who can tell me how to get in
touch with my one-time coworker Shawn Murphy, who did the audio for it.
He also mixed the "Batman" soundtrack (for the album release).

Incidentally, I've tried matching up the callsigns mentioned in the
film with the names of people mentioned in the credits (especially
engineering types), but haven't found any correlations. However, I've
never gotten the thing on tape and thus have had to read the credits
quickly as they went by, so I may have missed someone. Anyone know how
those particular callsigns were chosen for use in the film?

Patty

```
--
*****************************************************************************
Patty Winter N6BIS                        INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                     UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From 1025125131399691800
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6689244f30762af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 10:30:05 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Communicator Class
Message-ID: <284@ultrix.uhasun.hartford.edu>
Date: 9 Aug 90 04:40:57 GMT
References: <9007260548.AA16565@tecnet1.jcte.jcs.mil> <80@thoreau.nsc.com>
<976@ssc.UUCP>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 25
Posted: Thu Aug 9 05:40:57 1990

In article <976@ssc.UUCP>, markz@ssc.UUCP (Mark Zenier) writes:
>
> Fraternity, I don't want to join some stinking fraternity. All

> I want to do is sit in my basement and build things that go Beep,
> not join some lodge with its strange rituals and hazing. But
> the regulations say that if I want to build a transmitter bigger
> than 1 Watt, I either have to have a serious amount of money or
> be a ham.

You can build any kind of transmitter you want. Operating it into an antenna is a different matter. :-)

> How would you like it if the Elks lodge owned Yosemite National
> Park and restricted it to members only.

If all I had to do to become a member was show that I know how to act within the park so as not to mess it up for other park users and neighbors of the park, it wouldn't bother me a bit. Judging from some of the behavior I have observed in national parks, I'd even say it's not a bad idea!

```
--
Jon Bloom, KE3Z                             | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu        |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

From 2946471580101332717
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,57abd73b64aad8e0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 10:40:22 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!well!peter
From: peter@well.sf.ca.us (Peter Febbroriello)
Newsgroups: rec.ham-radio
Subject: SSTV
Message-ID: <19477@well.sf.ca.us>
Date: 9 Aug 90 05:19:02 GMT
Organization: Whole Earth 'Lectronic Link, Sausalito, CA
Lines: 15
Posted: Thu Aug 9 06:19:02 1990

I have been helpung my father (K1DUV) to get set up in slow scan TV. Due to the small interest in this area, it hardly seems worth the small fortune in hardware and time/energy required to get a worth while system running. Is there any interest out there at all? I would like to swap ideas/ solve problems with anyone willing to put in the time.--Peter
peter@well.sf.ca.us
well!peter@lll-crg.arpa
{hplabs,ucbvax,ptsfa,hoptoad}!well!peter

Peter Febbroriello NSS 20246 / Research Support Group
469 Main Street Torrington, CT 06790
telex:6502448141mci

203-482-6606 voice   / 203-496-9183 data

From 14998876393436136
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6fe9a89172d8b80f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 11:10:39 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!
mailrus!wuarchive!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!cdin-1!ki4pv!
ka3ovk!albers
From: albers@ka3ovk.uucp (Jon Albers)
Newsgroups: rec.ham-radio
Subject: Scanner mods: and mods for the Pro-2021
Message-ID: <1990Aug9.181039.18777@ka3ovk.uucp>
Date: 9 Aug 90 18:10:39 GMT
Organization: Internal Revenue Service
Lines: 12
Posted: Thu Aug 9 19:10:39 1990

With all the scanner mods floating around, does anyone have any modes for the
Radio Shack Pro-2021 scanner? It seems like a nice enough box. Opon opening
it up, it seems that the PC board is not fully populated. Maybe it is a
'generic' PC board which may be related to another brand of scanner?

Jon

```
--
| Jon Albers, IRS, Information Systems Management, Support and Installation.  |
| Office Symbols: ISM:S:S:SI   voice: (202/FTS)535-3729  Packet: KA3OVK@N4QQ  |
| UUCP:(media|teemc|tcsc3b2|ki4pv)!ka3ovk!albers ARPA: JALBERS@SIMTEL20       |
```

From -3714586556442247870
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84b7c75dfcea95fe,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 12:18:58 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!jarthur!nntp-server.caltech.edu!news
From: slr@tybalt.caltech.edu (Steve Rhoades)
Newsgroups: rec.ham-radio
Subject: How do I get rid of mobile radio static ?
Message-ID: <1990Aug9.054830.8148@laguna.ccsf.caltech.edu>
Date: 9 Aug 90 05:48:30 GMT
References: Available upon request
Sender: news@laguna.ccsf.caltech.edu
Organization: California Institute of Technology, Pasadena
Lines: 27
Posted: Thu Aug 9 06:48:30 1990

I have a cellular phone installed in my car with a roof-top mounted
antenna. When the unit is transmitting, and when I turn the steering
wheel back & forth, it produces static in the receiver.

The unit is crystal (no pun) clear when I put it in the diagnostic mode and disable the xmitter.

I tracked the problem down to the steering column which has a contact for the horn switch. This metal rod makes contact with a metal "wiper" that allows the steering wheel to turn while still making contact. (Sort of like a volume-control pot with the wiper always providing low-resistance.)

When the metal rod runs across the steering wheel contact, it produces static. The radio is wired directly to the battery.

Suggestions ?

{ I hope I won't be branded a "Yuppie" for having a car-fone ;-) }

Steve

--
Internet: slr@tybalt.caltech.edu | Voice-mail: (818) 794-6004
UUCP: ...elroy!tybalt!slr | USmail: Box 1000, Mt. Wilson, Ca. 91023

In consideration of others, please refrain from smoking while on the Internet.

From 2798739216662110545
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,40db9f57f77e1234
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 12:23:49 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!psuvax1!rutgers!bellcore-2!envy!karn
From: karn@envy..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Encoded serial number to replace QSL's to confirm DXCC etc QSOes.
Message-ID: <1990Aug9.064313.12573@bellcore-2.bellcore.com>
Date: 9 Aug 90 06:43:13 GMT
References: <744.26BE6052@weyr.FIDONET.ORG> <1250211@hpnmdla.HP.COM>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@envy.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 22
Posted: Thu Aug 9 07:43:13 1990

In article <1250211@hpnmdla.HP.COM> dougb@hpnmdla.HP.COM (Doug Bender) writes:
>The solution you describe in which encryption is involved is illegal
>in the United States -- no encryption on the amateur service.

I disagree. The rules prohibit the hiding of information - they do not ban the use of cryptography purely for authentication purposes.

For example, you might issue a confirmation consisting of a QSO number, callsign, time and date, in both plaintext and ciphertext. Only the issuer could have generated the ciphertext that corresponds to the known plaintext, but since the plaintext is already sent over the air nothing is hidden. A public key scheme would be much better here, since it would eliminate ANY possibility of hiding information (anyone could verify an authenticator, even though only the originator could have generated it).

Of course, to make any such scheme cryptographically secure it would have to consist of at least 64 bits of both plaintext and ciphertext. And given the speed and accuracy of most CW QSOs I doubt that many of the contest ops would go for such a scheme...

Phil

From 9123789790116357310
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e046d65d8c933f7a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 12:30:33 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: 910MHz equipment of note
Message-ID: <983@ssc.UUCP>
Date: 9 Aug 90 19:30:33 GMT
References: <9008081636.AA11977@ucsd.edu>
Organization: SSC, Inc., Seattle, WA
Lines: 10
Posted: Thu Aug 9 20:30:33 1990

In article <9008081636.AA11977@ucsd.edu>, faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269) writes:

> Regarding the DAK unit, is it likely the spread spectrum characteristics
> are such that hams can use it legally, unmodified?

If it's a video relay, it is (probably) FM. (It's in the fine print somewhere, but I couldn't find it). The 902-928 Mhz band also allows low power convential transmitters under part 15. Only the spread spectrum systems get 1 watt.

markz@ssc.uucp

From 3328840005415725388
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9dc02c08fa189bb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 13:44:09 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Plan to TAKE AWAY 2 Meters and 440

Keywords: TV, Bandwidth, HDTV
Message-ID: <2862@anasaz.UUCP>
Date: 9 Aug 90 20:44:09 GMT
References: <1699@raybed2.msd.ray.com> <30500650@ux1.cso.uiuc.edu>
<1124@ke4zv.UUCP> <2852@anasaz.UUCP> <1136@ke4zv.UUCP>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 94
Posted: Thu Aug 9 21:44:09 1990

In article <1136@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
]In article <2852@anasaz.UUCP> john@anasaz.UUCP (John Moore) writes:
]>In article <1124@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
]>]Actually it is 12Mhz of empty space, second adjacent is the rule. Each
]>]broadcast channel is 6Mhz. Second adjacent means two channels or 12Mhz.
]>
]>This is true for VHF, but not for UHF. UHF has at least 3 empty channels
]>between each station. Here in Phoenix (population > 2 million), it has
]>6 empty channels each. In addition, harmonic and intermod relationships
]>cause additional channels to be set aside. This IS a big waste.
]
]Actually as a percentage of the operating frequency, this is even closer
]spacing than at VHF. The Q of a filter effects it's PERCENTAGE bandwidth.
]Normal practice is to space the channels as far apart as possible, filling
]in the holes only when new stations are built.
]
]>]Designing a fliter system that is very flat with 0.2 degree phase linearity
]>]over a 6 Mhz bandwidth while having high rejection immediately adjacent
]>]is neither simple nor cheap. Phase linearity is the key here as our
]>But it really isn't that hard to do for rejection with ONE guard channel
]>on each side, which would greatly reduce the waste of UHF spectrum.
]
]In fact the FCC has recently completed a "dropin" channel study to see
]if more channels can be used in the VHF band. There are many factors

So you acknowledge that in fact the filters can be made.

]>
]>I should also point out that an experimentare practical.
]>at least one company that transmits data on ADJACENT UHF channels.
]>Their trick: they only transmit during the sync pulses from the adjacent
]>station, at which time the TV is tens of dB less sensitive to interference.
]>A neat (and patented) trick, IMHO.
]
]They also use much less power which helps as well. But it's not another
]television service. Remember too that there are $50 billion dollars worth
]of receivers out there now and nobody seriously thinks they can obsolete
]that much equipment overnight.
]
Hey... again... we are talking about where to get spectrum for dispatch
use. If that company can use adjacent channels, similar technology
should be useful for spectrum. If that's the case, we should be
able to relieve a lot of spectrum congestion AND still have our I Love Lucy

re-runs.
]>Pay TV is in fact transmitted on microwave in many areas of the US.
]>I have heard no reports of multipath (since they use a roof mounted
]>dish or loop yagi). It DOES work. I would hope that any broadcast
]>HDTV use microwave spectrum ONLY.
]
]You may not have heard of multipath problems, but I sure have. Moving

Thanks for the ad-hominem remark. In fact, I am very familiar with
multipath, also fresnel regions, selective fading, intermod,
path calculations, and all the other microwave technology that is applicable.
Furthermore, I live in a mountain canyon with a knife-edge shot to the local
TV stations, so I experience a number of path problems myself.. I have also
installed microwave MDS TV receivers.

]the antenna as little as an inch up down or sideways can change the

In some locations. However, if you use spread spectrum to send it,
you become multipath resistant, don't you? With HDTV, we ARE
talking about modern, new technology, aren't we?

]installers for the receivers. Most of the receivers are installed at
]hotels and bars. Many locations simply can't be served. Microwave
^^^^^^^^^^^^^^^
This is not true.

You whole point seems to be aimed at how to get MORE tv to the
consumers using existing technology. I think that, no matter
how commercially attractive, it's about as forward looking
as any other waste of natural resources. Today there
are many ways to get information and entertainment into the
home. VHF/UHF Broadcast TV is one of the most wasteful and is a dinosaur.
It can be replaced with:
  Cable (including fiber systems)
  MDS
  Satellite DBS
  C-Band Satellite DBS (ie TVRO)

Right now I get 5 VHF TV channels, and a few UHF. I get 120 channels
by TVRO. A few of those local TV channels are enough to provide local
news and advertising. Why do we need a bunch of others showing old
movies and syndicated re-runs, when they are tying up such an extremely
valuable natural resource (18-42 MHz PER UHF CHANNEL!)?

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -3637582591788946551
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ff1f5f8dcd222e3a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 13:49:35 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!rex!rouge!pc!jpd
From: jpd@pc.usl.edu (Dugal James P.)
Newsgroups: rec.ham-radio
Subject: Re: Tower climbing safety
Message-ID: <12880@rouge.usl.edu>
Date: 8 Aug 90 21:47:41 GMT
References: <4140018@hpnjld.HP.COM> <andreap.650149259@s.ms.uky.edu>
Sender: anon@rouge.usl.edu
Organization: Univ. of Southwestern La., Lafayette
Lines: 13
Posted: Wed Aug 8 22:47:41 1990
Originator: jpd@pc.usl.edu

I've heen told it's safer to climb a Rohn-25 with the point, rather than the face, of the tower toward your body. This seems to give you more shoe contact (but you tend to waddle a bit since your feet are angled to the side) and best of all gives you a chance at grabbing at the tower should you lose your grip. In other words, don't treat the tower face as a ladder; straddle the tower while climbing or descending.

--
--
-- James Dugal,   N5KNX   Internet: jpd@usl.edu
Associate Director   Ham packet: n5knx@k5arh
Computing Center   US Mail: PO Box 42770 Lafayette, LA 70504
University of Southwestern LA.   Tel. 318-231-6417 U.S.A.

From -1501301497215888799
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6689244f30762af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 14:45:34 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!know!cs.utexas.edu!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Communicator Class
Message-ID: <1990Aug8.224804.11084@bellcore-2.bellcore.com>
Date: 8 Aug 90 22:48:04 GMT
References: <9007260548.AA16565@tecnet1.jcte.jcs.mil> <80@thoreau.nsc.com> <1990Aug7.041014.1172@bellcore-2.bellcore.com> <84@thoreau.nsc.com>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 12
Posted: Wed Aug 8 23:48:04 1990

KA9Q:
Start thinking in terms of how the NON-amateur world views amateur radio,

K3FR:
I have and it scares me! Total integration of an as yet untested
community larger than our current population REALLY scares me!

KA9Q:
I suspect the government of South Africa feels much the same way.

Phil

From -8059714249935484793
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,346d3a3629c172f7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 14:47:07 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!helios.ee.lbl.gov!nosc!cod!novotny
From: novotny@cod.NOSC.MIL (John W. Novotny)
Newsgroups: rec.ham-radio
Subject: Regency HX1500 Scanner
Message-ID: <2048@cod.NOSC.MIL>
Date: 8 Aug 90 22:45:35 GMT
Reply-To: novotny@cod.nosc.mil.UUCP (John W. Novotny)
Organization: Naval Ocean Systems Center, San Diego
Lines: 9
Posted: Wed Aug 8 23:45:35 1990
X-Local-Date: 8 Aug 90 15:45:35 PDT

I have a Regency HX1500 hand held scanner. I'm wondering if anyone
has any mods (or a source of mods) for it. I'm interested in "filling
in the gap" between 174 and 406 Mhz.
If anyone has anything, either post it here or send direct to

novotny@nosc.mil

Thanks.

From 4045529547465715743
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4ccb6244ffe95c0b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 14:48:06 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!wuarchive!zaphod.mps.ohio-state.edu!
sdd.hp.com!decwrl!ucbvax!hplabs!hpfcso!hpldola!paul
From: paul@hpldola.HP.COM (Paul Bame)
Newsgroups: rec.ham-radio
Subject: Finding 73 In Seattle
Message-ID: <12120042@hpldola.HP.COM>

Date: 9 Aug 90 21:48:06 GMT
Organization: HP Elec. Design Div. -ColoSpgs
Lines: 18
Posted: Thu Aug 9 22:48:06 1990

Somebody help Bill out - 73 can't be that hard to find - can it? A ham store should suffice but I can't help not being in Seattle.

FROM: rec.models.rockets / bill@flash.UUCP (bill) / 9:57 am Aug 7, 1990 /

> In <see References:> paul@hpldola.HP.COM (Paul Bame):
> }Pick up this month's copy of "73 Amateur Radio" magazine. There is a
> }good article about balloons, sources, and altitude/load prediction
> }methods.

> I have called all over the Seattle area and not found a copy of this
> magazine anywhere. Not in the libraries, not in the bookstores...

> Does anyone know where I could get a copy of the magazine, or of the
> article? (I used to have some copies of 73, back from the early 70s,
> but I threw them out a couple weeks in preparation for a move...)
>
> ----------

From 4490480333245181854
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,50919ed9513d5834
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 14:59:58 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!decwrl!ucbvax!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Solar Eclipse, July 1991
Message-ID: <7880245@hpfcdc.HP.COM>
Date: 9 Aug 90 21:59:58 GMT
References: <8798@scorn.sco.COM>
Organization: HP Fort Collins, Co.
Lines: 6
Posted: Thu Aug 9 22:59:58 1990

> ...any Radio Amateurs who are interested in the Solar Eclipse next year,
> July 1991.

Well now that I have air reservations, I can say I'm going... but to Hawaii! With 2m HT only I guess, even an HR2510 is a little big to bring out that way.

From -6661891061262298872
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 15:13:30 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <1990Aug8.235752.11346@bellcore-2.bellcore.com>
Date: 8 Aug 90 23:57:52 GMT
References: <14117@shlump.nac.dec.com> <30500651@ux1.cso.uiuc.edu>
<16831@ucsd.Edu> <312@adept.UUCP> <1990Aug8.190108.20257@csc.ti.com>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 26
Posted: Thu Aug 9 00:57:52 1990

In article <1990Aug8.190108.20257@csc.ti.com>, hoenig@osage.csc.ti.com
(Mike Hoenig) writes:
|>   Am I the only one on this Internet who has heard of EMP? You know,
|>   that well-documented feature of lightning, nuclear weapons, etc., which
|>   makes ALL of "today's technology" nothing more than rocks? Something
|>   about: If your equipment is not "hardened" against it, EMP WILL take
|>   out your commercially-built, general-public electronics. I understand
|>   that even military electronics has its limits, and it IS being hardened
|>   these days. THAT IS THE ADVANTAGE AND THE BASIS OF THE INTERNATIONAL
|>   REQUIREMENT FOR A KNOWLEGE OF CW BELOW 30MHZ.

Yup, why just last week a nuclear weapon exploded near my house and the resulting EMP destroyed all of the SSB and RTTY circuits in my IC-751A. But the CW circuits kept on workin' just fine. Boy, was I glad I had learned the code so I could keep on chewin' the fat with the boys on 80...

Those who argue that CW is essential when "the chips are down" seem to consider only the transmitter. How about the receiver, which is much more susceptible to EMP? Remember, if you can't hear 'em, you can't work 'em. If simplicity of overall system design is what you're after, then AM is the mode to use since it can be received by crystal sets.

Phil

From -2431696055888733954
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,71249548a52411f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,71249548a52411f,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,71249548a52411f,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-08-09 15:43:58 PST

Path: gmdzi!unido!ztivax!buchen
From: buchen@ztivax.UUCP (Dr Klaus Buchenrieder)
Newsgroups: rec.ham-radio,rec.ham-radio.swap,rec.radio.shortwave
Subject: Manual for VS81W Antenna
Keywords: Ham-Radio, Antenna, Short-wave, Hidaka-Denki-Works
Message-ID: <1583@ztivax.UUCP>
Date: 9 Aug 90 15:43:29 GMT
Organization: Siemens AG, Munich, W-Germany
Lines: 10
Xref: gmdzi rec.ham-radio:13769 rec.ham-radio.swap:563 rec.radio.shortwave:1805
Posted: Thu Aug 9 16:43:29 1990

Can anybody help with a manual, drawing or any other material that describes
how to assemble a VS81W antenna made by Hidaka Denki Works in Japan.
I bought a VS81W sealed in its original box from a dealer but there were
no reads in the box and since I had opened the box the dealer did not
take the thing back. !@!!*^^!
I called Hidaka-Denki in Japan but these people did not respond to call
or FAX. Summary: Hidaka people are polite but their service stinks!

In case you can help - please send a note.
-- Klaus (N8HOV, DL2MEE)

From 2256672227428968547
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ea87c16018716ecc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 16:05:26 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!cs.utexas.edu!
sdd.hp.com!decwrl!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House,
Swindon")
Newsgroups: rec.ham-radio
Subject: EMP a justification for CW? Dont make me giggle!
Message-ID: <09.Aug.90.10:00:41.BST.#1077@UK.AC.NWL.IA>
Date: 9 Aug 90 08:53:04 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 21
Posted: Thu Aug 9 09:53:04 1990

EMP as a justification for CW testing? Dont make me giggle!
Remember; a decent EMP will take out *all* your semiconductor devices; it will
also make quite a mess of even some electromechanical systems (do any telcos
still have STROWGER exchanges? *they* just *might* survive!).
If you do get EMP'ed then you will most likely lose your AC supply.
How many hams could put a station on the air using no semiconductor devices,
and powered from auto batteries? Does anyone remember vibrator or dynamotor
power packs for generating the B+ rail in the good old tube days?
Has anyone still *got* any of this gear? Does it work?   Mine does.
And surely AM is the best in an emergency because you can receive it on a rusty
bolt.

CW testing is as irrelevant to EMP preparedness as it is to ham radio.
Why not bring back the requirement that all autos must be preceeded by a man
with a little red flag. Anyone remember Semaphore?
Come on America! Follow the LEAD of much of the rest of the World and introduce
a code-free licence. Sign a reciprocal arrangement with CEPT so you guys
can come over here & work the bands without the hassle of applying for
reciprocal licenses.

Pete Lucas   G6WBJ   PJML@UK.AC.NERC-WALLINGFORD.IBMA   0793411613

From -1373960510184401837
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ff1f5f8dcd222e3a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 16:39:30 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!zaphod.mps.ohio-state.edu!swrinde!ucsd!helios.ee.lbl.gov!nosc!crash!guhsd000
From: guhsd000@crash.cts.com (Paula Ferris)
Newsgroups: rec.ham-radio
Subject: Re: Tower climbing safety
Message-ID: <3874@crash.cts.com>
Date: 9 Aug 90 10:21:07 GMT
References: <4140018@hpnjld.HP.COM> <1710@yenta.alb.nm.us>
Organization: HALE Telecommunications, San Diego
Lines: 19
Posted: Thu Aug 9 11:21:07 1990
X-Local-Date: 9 Aug 90 03:21:07 PDT

You could use a saeft (BKSP is dead) safety decender used in mountain
climbing (or more often, rescue) which is a gaget that has 5/8ths line
run through it, and when release (it has a lever on the side), it locks.

I think they can also be had with a rachet in one dierection and again,
locks up when released.

...and then, you could also climb half way and use a bunji cord...

Hale Telecommunications Incorperated - KKLR & KALE

UUCP: (cbosgd, sdcsvax, nosc)!crash!guhsd000
ARPA: crash!guhsd000@nosc.mil
INET: guhsd000@crash.CTS.COM
RF : DC to Light

"...and hit him with the heaviest thing he could find, the current volume of
FCC Regulations...Uncle Mouth fell dead." - V. of Laryngitis

From 7793943429842447075
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,ff1f5f8dcd222e3a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-09 17:57:53 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: Tower climbing safety
Summary: try mountaineering equipment
Message-ID: <85@thoreau.nsc.com>
Date: 9 Aug 90 12:20:50 GMT
References: <4140018@hpnjld.HP.COM>
Organization: National Semiconductor, S. Portland, Maine
Lines: 15
Posted: Thu Aug 9 13:20:50 1990

In article <4140018@hpnjld.HP.COM>, eyg@hpnjld.HP.COM (Ed Gilbert) writes:

> allow you to climb up freely, and
> maybe allow you to descend slowly, but grab if you tried to descend
> too rapidly.
>

Why not look to mountain climbing equipment? Try a local club for
ideas or write to

L. L. Bean Co.
Freeport, ME 04036

and ask if they have a catalog of such equipment.

Ron, K3FR

From -9180831938582580494
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6c8120a4bfa78371,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 05:09:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!bu.edu!inmet!benk
From: benk@inmet.inmet.com
Newsgroups: rec.ham-radio
Subject: Re: Beginner Question about World Radio
Message-ID: <13700020@inmet>
Date: 7 Aug 90 12:09:00 GMT
References: <33245@<1990Aug7>
Lines: 8
Nf-ID: #R:<1990Aug7:33245:inmet:13700020:000:151
Nf-From: inmet.inmet.com!benk   Aug 7 08:09:00 1990
Posted: Tue Aug 7 13:09:00 1990

You should read 'rec.radio.shortwave'.

-- Ben Krepp

From internet: benk@inmet.inmet.com
From uunet: uunet!inmet
!benk

From 505600066191093332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ff1f5f8dcd222e3a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 08:05:43 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!ucbvax!hplabs!hpda!hpwala!hpnjld!eyg
From: eyg@hpnjld.HP.COM (Ed Gilbert)
Newsgroups: rec.ham-radio
Subject: Tower climbing safety
Message-ID: <4140018@hpnjld.HP.COM>
Date: 7 Aug 90 15:05:43 GMT
Organization: Hewlett Packard NJD, Rockaway NJ
Lines: 14
Posted: Tue Aug 7 16:05:43 1990

I occasionally find myself doing antenna work atop guyed towers such as Rohn 25 or 45. While I feel quite safe once I am buckled in with a safefy belt, I keep thinking that there must be some simple devices that could make the climb up or down safer. Does anyone know of a commercial device that can prevent a person from falling off a tower during climbing? I'm thinking of something along the lines of a strong rope or wire that runs the length of the tower, which some kind of attachment to a safety belt. The attachement to the rope or wire would have to allow you to climb up freely, and maybe allow you to descend slowly, but grab if you tried to descend too rapidly.

Ed Gilbert
WA2SRQ

From 4794069040564217817
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9dc02c08fa189bb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 08:10:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Plan to TAKE AWAY 2 Meters and 440
Keywords: TV, Bandwidth, HDTV
Message-ID: <1124@ke4zv.UUCP>
Date: 7 Aug 90 15:10:39 GMT
References: <1699@raybed2.msd.ray.com> <30500650@ux1.cso.uiuc.edu>

Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: none
Lines: 62
Posted: Tue Aug 7 16:10:39 1990

In article <30500650@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>
>In the major metropolitan areas, even the UHF TV band is "full". Of course
>"fullness" here means just tight enough for **CHEAP** TV receivers to be
>barely able to slice apart the stations (30 Mhz of empty space between
>co-located stations). This is a HORRIBLE waste of spectrum just to save
>$10 per receiver.

Actually it is 12Mhz of empty space, second adjacent is the rule. Each
broadcast channel is 6Mhz. Second adjacent means two channels or 12Mhz.
Designing a fliter system that is very flat with 0.2 degree phase linearity
over a 6 Mhz bandwidth while having high rejection immediately adjacent
is neither simple nor cheap. Phase linearity is the key here as our
NTSC system depends on the color subcarrier phase to convey hue imformation
while depending on amplitude variation to convey saturation information
AND depends on both frequency and amplitude variation to convey luminance
information. NTSC is not technically the best way to transmit television,
but there is $50 BILLION dollars worth of equipment out there that depends
on it. There's no realistic hope of changing the system now.

>
>UHF stations should be able to operate much closer and even ADJACENT.
>

No, the same limitations apply to them.

>But what is really sad is that VHF and UHF TV is a primarily FIXED
>point-to-multipoint service, which is more suitable to spectrum above
>2 to 4 Ghz. FM radio broadcasting still tends to be mobile enough
>that it should not have to move up there. The appropriate usage for
>spectrum in the 30-3000 Mhz range is mostly mobile.

This sounds reasonable at first glance, however there are millions
of "portable" televisions in operation in this country. In addition,
if you think we have ghosting problems now, you have no idea how
much worse multipath becomes as you go up in frequency.

>
>Just think of what land mobile could do with 42 Mhz of VHF high band
>divided into 8400 5 khz channels and 336 Mhz of UHF divided into 13440
>25 khz channels (or 16800 20 khz) and trunked. I'd suggest 76-88 be
>used to expand FM broadcasting, and 54-72 could have many other uses.
>
>We just need to find a place to put broadcast TV way up there.
>I would certainly urge that HDTV *NOT* be allowed below 2 Ghz.

Ah the mythical HDTV! Don't hold your breath waiting for BROADCAST
HDTV. The economics just aren't there. My company participated in

the HDTV tests done for the FCC. We estimate it will cost between
$20 million and $50 million to convert a television station to
transmit HDTV. With an installed base of $50 billion in NTSC equipment
and NO original HDTV programming (except some old "I Love Lucy" reruns
that were shot on 35mm film--REAL HDTV) available to fill the hours, no
sane broadcaster is going to attempt the switch. You may see some
experimental HDTV on cable where the origination costs are lower,
but, until a large enough audience is equipped to receive HDTV, no
one is going to broadcast it on a regular basis.
>
>--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
><phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

Gary KE4ZV

From -4397817022804345253
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db7de8f93f78ff30
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 08:19:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!samsung!know!
zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!
m.cs.uiuc.edu!kenny
From: kenny@m.cs.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: test
Message-ID: <13900019@m.cs.uiuc.edu>
Date: 7 Aug 90 15:19:00 GMT
References: <3818@crash.cts.com>
Lines: 18
Nf-ID: #R:crash.cts.com:3818:m.cs.uiuc.edu:13900019:000:987
Nf-From: m.cs.uiuc.edu!kenny   Aug 7 10:19:00 1990
Posted: Tue Aug 7 16:19:00 1990

ajs@hpfcdc.HP.COM writes:
?It is a good idea, once you pass a test element, to attempt the next
?level, if time permits and the examiners don't mind. For instance, when
?I passed the Tech two months ago, 100% after thorough studying, I gave
?the General exam a shot with zero preparation -- and only missed it by
?two questions. If I'd passed it, I'd have had incentive to bone up on
?code and upgrade within a year.

I'll second that wholeheartedly. I took the Technician test while my
Novice license was still pending. The examiner suggested that as long
as I was there, I might as well take the test for General -- which I
passed, and then Advanced -- which I passed as well, and then Extra.
I got everything but the 20 wpm code, and made my first QSO as
KB9DLU/AA. Actually, I was operating a club station, and was therefore
W9YH/KB9DLU/AA... which is quite a handful to beat out in CW 8-).
The guy I contacted on 14.056 was quite surprised to hear that it was
my first QSO. 8-)

From -1661791073869495569
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8558ce04e8e6a9ef,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 08:30:30 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: Query message to the net: ARE Y'ALL STILL OUT THERE?
Message-ID: <9008062117.AA25257@tilde>
Date: 6 Aug 90 21:17:16 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Mon Aug 6 22:17:16 1990

Hi...

Sorry for posting, but I've archived all my back messages prior to going on vacation. When I came back not only was I not getting Info-Hams, nobody at our site is!

So if anybody sees this, please let me know: is the SIMTEL20 distribution still alive? Then I can tell our net-server guru to begin looking on his end!

Thanks, & 73...
Bob WA8YCD
RLWEST@FLOPN2.CSC.TI.COM

From 7689532126837944773
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,993041f30be3c41b,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,993041f30be3c41b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 08:54:19 PST
Path: gmdzi!unido!mcsun!ukc!icdoc!gould!kpt
From: kpt@doc.ic.ac.uk (Kevin Twidle)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Icom R1 and R100 specifications - Here they are!
Message-ID: <KPT.90Aug7165419@dirty.doc.ic.ac.uk>
Date: 7 Aug 90 15:54:19 GMT
Sender: news@doc.ic.ac.uk
Distribution: rec
Organization: Dept of Computing, Imperial College, London, England
Lines: 176
Xref: gmdzi rec.ham-radio:13699 rec.radio.shortwave:1792
Posted: Tue Aug 7 16:54:19 1990

I have scanned the specifications of the IC-R100 (from a brochure) and the IC-R1 from my manual (which happens to be in English :-))

R1 Specifications

o Frequency coverage:

VERSION	FREQUENCY COVERAGE
U.S.A., Australia, Asia	100 kHz - 1300 MHz
Germany	13.95 - 14.5 MHz, 28 - 29 MHz, 144 - 146 MHz, 430 - 440 MHz, 1240 - 1300 MHz
France	100 kHz - 87.5 MHz, 108 - 1300 MHz

Specifications guaranteed
2 - 905 MHz.

o Selectable tuning
step : 0.5, 5,8,9, 10, 12.5, 15, 20, 25,30 or
50 kHz

o Number of memory
channels : 100

o Mode : FM, AM, Wide FM (WFM)

o Antenna impedance: 50 ohms (unbalanced)

o Power supply
requirement : 7.2 V DC (internal battery)
Optional BP-81 - BP-85 or BP-90
External DC power 6 - 16 V DC

o Current drain : Max. audio output Less than 300 mA
Power saved Average 15 mA
Duty cyc le Receive: Standby = 1: 16

o Usable temperature
range : -10C - +60C; +14F - +140F

o Dimensions : 49 (W) x 102.5 (H) x 35 (D) mm
1.9 (W) x 4.0 (H) x 1.4 (D) in
(projections not included)

o Weight : 280 g; 9.9 oz

o Receive system : AM, FM Triple-conversion
superheterodyne
WFM Double-conversion
superheterodyne

o Intermediate
frequencies : 1st 266.7000 - 266.7095 MHz
2nd 10.7000 MHz
3rd 455 kHz (FM/AM only)

o Sensitivity : AM (for 10 dB SIN)
1.6 uV (2 - 24.9995 MHz)
0.79 uV (25 - 905 MHz)
FM (for 12 dB SINAD)
0.79 uV (2 - 24.9995 MHz)
0.4 uV (25 - 905 MHz)

	WFM	(for 12 dB SINAD) 6.3 uV (2 - 24.9995 MHz) 3.16 uV (25 - 905 MHz)
o Squelch sensitivity :	AM	1.26 uV (2 - 24.9995 MHz) 0.63 uV (25 - 905 MHz)
	FM	0.63 uV (2 - 24.9995 MHz) 0.32 uV (25 - 905 MHz)
o Selectivity :	AM	More than 15 kHz/-6 dB
	FM	More than 15 kHz/-6 dB
	WFM	More than 150 kHz/6 dB

o Audio output power : 150 mW at 10% distortion with an 8 ohm load

o Audio output impedance : 8 ohms

All stated specifications are subject to change without notice or obligation.

R100 Specifications
===================

o Frequency coverage:

Version	Frequency Coverage
U.S.A.. Europe Australia	100 kHz-1856 MHz*
Germany	13.95 - 14.5 MHz, 28 - 29.7 MHz. 144 - 146 MHz. 430 - 440 MHz, 1240 -1300 MHz
France	0.1 - 87.5 MHz, 108.5 - 1856 MHz*

*Specifications guaranteed 500 kHz - 1800 MHz

o Mode : AM, FM, wide FM
o Power supply requirement : 13.8 V DC + 15% (negative ground)
o Antenna impedance : 50 ohms (unbalanced)

o Current drain (at 13.8V DC) : Less than 1.1 A

o Usable temperature range : -10C - +60C; +14F - +140F

o Frequency stability : +/- 3.5 ppm (at 1800 MHz, -10C - +50C; +14F - +122F)

o Number of memory channels : Memory channels 100

Priority channels
Scan edge channels 20
(for 10 scan ranges)

o Tuning step increments : 100 - 521.5 kHz and 1.630 - 904.9995 MHz
1, 5, 8, 10, 12.5. 20 or 25 kHz
522 - 1629.5 kHz
1, 5, 8, 9, 10, 12.5, 20 or 25 kHz
905 - 1856 MHz
12.5, 20 or 25 kHz

o Dimensions : 1 50(W) x 50(H) x 181 (D) mm
5.9(W) x 2.0(H) x 7.1(D) in
(projections not included)

oWeight : 1.4kg; 3.1 Ib

o Sensitivity : Maximum sensitivity values are indicated in each range below. Preamp is ON in 50.000 -904.9995 MHz.

Frequency Range	AM (1)	FM (2)	Wide FM (2)
500 kHz - 1.6295 MHz	3.2 uV	---	---
1.63 - 49.9995 MHz	1.6 uV	0.56 uV	---
50 - 904.9995 MHz	0.56 uV	0.2 uV	0.63 uV
905 - 1380.4875 MHz	1.0 uV	0.32 uV	0.79uV
1380.5 - 1800 MHz	1.4 uV	0.45 uV	1.1 uV

(1) For lOdB S/N (2) For 12dB SINAD
--- : Not specilied.

o Selectivity : AM More than 6 kHz/-6 dB
FM More than 15 kHz/-6 dB
Wide FM More than 180 kHz/-3 dB

o Audio output power : More than 2.5W at 10% distortion with an 8 ohm load

o Audio output impedance : 4-8 ohms

All stated specifications are subject to change without notice or obligation.

A couple of notes from me

In the UK the R1 costs 399 GBP and the R100 499 GBP.

The R1 also has 20 scan edge channels and a priority channel; the priority mode can use either a single channel or a a range of channels choosing the next channel every time it checks.

The R1's sound is very good considering how small the speaker is. In a

quiet room with the volume turned up, it is quite acceptable listening
from the other side of the room.

The R1 seems to receive very well over 905 MHz but is the only radio I
own that covers, but cannot pick up, BBC Radio 4 on longwave (198KHz)!
I assume that this is because I have only used the supplied VHF/UHF
antenna; however it can pick up a station nearby :-(

I hope that this is of some use

Kevin
--

Kevin Twidle G8RKU   Tel: +44 71 589 5111 x5068   Fax: +44 71 581 8024
 Dept of Computing, Imperial College, 180 Queen's Gate, London SW7 2BZ, England
 Email: kpt@doc.ic.ac.uk, kpt%uk.ac.ic.doc@nsfnet-relay.ac.uk, ..!ukc!icdoc!kpt
"It's not the cough that carries you off, it's the coffin they carry you off in"

From -5178095501086403311
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc6de0d60b8fc502
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 10:05:02 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!
uwm.edu!bionet!synoptics!unix!hplabs!hpda!hpcupt1!hprnd!hprmokg!barry
From: barry@hprmokg.HP.COM (Barry Fowler)
Newsgroups: rec.ham-radio
Subject: Re: Beginner Question about World Radio Transmissions
Message-ID: <29490017@hprmokg.HP.COM>
Date: 7 Aug 90 17:05:02 GMT
References: <1990Aug7.033245.8406@midway.uchicago.edu>
Organization: HP Networked Computer Mfg. Operation
Lines: 4
Posted: Tue Aug 7 18:05:02 1990

Try rec.radio.shortwave

barry
wb6jzl

From -5196601308507526469
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,680049e31c13fabe
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 10:10:14 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!
utgpu!watserv1!watmath!att!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: LORAN and Ham Radio
Message-ID: <1060@tsdiag.ccur.com>

```
Date: 7 Aug 90 17:10:14 GMT
References: <53142@iuvax.cs.indiana.edu>
Organization: Concurrent Computer Corp. Oceanport NJ
Lines: 22
Posted: Tue Aug  7 18:10:14 1990

-I just purchased a LORAN-C for my 32' sloop. It also has a Yaesu
-FT107M ham radio HF tranceiver aboard, connected to a heli vertical.
-
-I'm a bit worried about how the LORAN equipment will handle 100W of
-RF being radiated 6' from its antenna/coupler... currently I
-disconnect the LORAN whenever I use the ham rig; am I being
-excessively paranoid?
---
-Pontus Hedman  rph@sq.com {uunet|utzoo}!sq!rph

My LORAN-C (an mi-3000 locator model) didn't take too kindly to me transmitting
~50W of ATV (429.25 MHz) about 2 feet from it's antenna.  It got very lost,
but sustained no damage.  I'm thinking of sticking a high-slope low pass filter
in line with the antenna, with a cutoff of about 1 MHz, just to see if it'll
help.  My 10 and 2m rigs (25 and 5 W, respectively) seem to have no effect.
The LORAN, however, messes with my 10m rig.  Lots of cpu and switching noise.
Your mileage may vary.
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z


From -7310438369912848338
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,40db9f57f77e1234
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 11:30:17 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!zaphod.mps.ohio-state.edu!uwm.edu!
bionet!synoptics!unix!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.HP.COM (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: Encoded serial number to replace QSL's to confirm DXCC etc QSOes.
Message-ID: <7120130@hpcupt1.HP.COM>
Date: 7 Aug 90 18:30:17 GMT
References: <744.26BE6052@weyr.FIDONET.ORG>
Organization: Hewlett Packard, Cupertino
Lines: 12
Posted: Tue Aug  7 19:30:17 1990

Interesting idea.  But the RST/RS is not a good base for the input...
All DX contacts are 59 !! Especially in contests.  The band/time/freq
and call would be a much better idea.  However, during the heat of
a contest where some of the serious contesters are concerned about rates,
the time to generate the unique number may not be acceptable.  Even
some of the DXpeditions operate in a contest mode.   Just some random
```

thoughts. But I like the idea, since it is sometimes quite hard to get
a card to a DX station or get the card back.
73's
Jim, WA6SDM
jholly@hpcup.hp.com

From -3953321032154874202
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 11:33:15 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: Re: DSP (was: Qualification-based licensing)
Message-ID: <18230026@hpfcdj.HP.COM>
Date: 7 Aug 90 18:33:15 GMT
References: <14117@shlump.nac.dec.com>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 18
Posted: Tue Aug 7 19:33:15 1990

>If you do show up in the weak signal portion of the band, using SSB, and
>the time comes to use CW, and you refuse, then you are a lid. Using SSB
>is just fine for chatting with your buddies in the next state only 250
>miles away, but you will find that you will often _NEED_ CW when working
>weak signal modes. When you refuse, because of incompetance or any
>other reason, then you are a lid. I hope that when the time comes to
>use CW, that you will either use CW or get off the air.

OK, so CW is "relevant" if you're going to operate in the "weak signal
portion of the band." Now please explain why it is "relevant" to GETTING
A LICENSE in the first place. After all, I'm currently LICENSED to use RTTY,
but I didn't have to pass a typing test.....

Bob Myers KC0EW   HP Graphics Tech. Div.| Opinions expressed here are not
                   Ft. Collins, Colorado | those of my employer or any other
myers%hpfcla@hplabs.hp.com | sentient life-form on this planet.

From 734017254733989180
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6689244f30762af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 11:55:28 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio

Subject: Re: Communicator Class
Message-ID: <976@ssc.UUCP>
Date: 7 Aug 90 18:55:28 GMT
References: <9007260548.AA16565@tecnet1.jcte.jcs.mil> <80@thoreau.nsc.com>
<82@thoreau.nsc.com>
Organization: SSC, Inc., Seattle, WA
Lines: 27
Posted: Tue Aug 7 19:55:28 1990

In article <82@thoreau.nsc.com>, rtodd@thoreau.nsc.com (Ron Todd) writes:
> If they want to "communicate" then they will keep Communicator class
> licences, if they want something more then they should get a class
> of licence which is intended to do more.

From the NPRM, (The FCC quoting the ARRL).

> The ARRL states that its suggested name "Communicator", although
> "not exaclty reflective of the type of license envisioned in the
> proposal ... is, however, the most descriptive among the alternatives
> considered".

Even the FCC knows the name is misleading.

)It would go a long way toward building a strong HAM fraternity.

Fraternity, I don't want to join some stinking fraternity. All
I want to do is sit in my basement and build things that go Beep,
not join some lodge with its strange rituals and hazing. But
the regulations say that if I want to build a transmitter bigger
than 1 Watt, I either have to have a serious amount of money or
be a ham.

How would you like it if the Elks lodge owned Yosemite National
Park and restricted it to members only.

markz@ssc.uucp

From -2927962083962445115
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 12:53:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: DSP beats CW (was: Qualification-based licensing)
Message-ID: <283@ultrix.uhasun.hartford.edu>
Date: 7 Aug 90 13:31:39 GMT
References: <16831@ucsd.Edu> <26426@usc.edu> <16859@ucsd.Edu> <16861@ucsd.Edu>
<10811@crdgw1.crd.ge.com>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford

```
Lines: 33
Posted: Tue Aug  7 14:31:39 1990

In article <10811@crdgw1.crd.ge.com>, perley@galaxy (Donald P Perley) writes:
> In article <16861@ucsd.Edu>, brian@ucsd (Brian Kantor) writes:
> >In article <26426@usc.edu> kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
> >>I would like to know more.  Perhaps you can point me to a couple of papers?
> >
> >These are only recent articles; our on-line current contents catalog
> >only goes back a year or two.
> >            - Brian
> >
> >[PS: I eliminated the articles on a shellfish poison called DSP.]
>
>
>     <list of articles>
>
> Nice list of articles on DSP, but from scanning the titles, nothing
> dealing with how you could use it decode a signal so weak that you
> couldn't even hear it if it was CW (as stated in the first DSP vs CW
> posting).

Try:
     "The DSP Project Update," Clark, T. and McGwier, R., Proceedings
     of the AMSAT-NA Sixth Space Symposium and Annual Meeting, 1988.

A quote therefrom:
     "...the early experiments done by the authors over a 150 mile
     path on 70 cm with satellite arrays were astounding to say the
     least.  The power could not be turned low enough at N4HY for
     W3IWI to prevent detection..."

--
Jon Bloom, KE3Z                               | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu          |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."


From -4782752978460674386
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3345d282f9270f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 13:08:27 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Spread Spectrum Repeaters - Technical
Message-ID: <2844@anasaz.UUCP>
Date: 7 Aug 90 20:08:27 GMT
References: <2770@anasaz.UUCP> <1990Jul26.221020.24603@bellcore-2.bellcore.com>
<2779@anasaz.UUCP> <2780@anasaz.UUCP> <1102@ke4zv.UUCP> <2797@anasaz.UUCP>
<1105@ke4zv.UUCP> <2812@anasaz.UUCP> <1116@ke4zv.UUCP>
Reply-To: john@anasaz.UUCP (John Moore)
```

Organization: Anasazi, Inc.
Lines: 47
Posted: Tue Aug 7 21:08:27 1990

In article <1116@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
]In article <2812@anasaz.UUCP> john@anasaz.UUCP (John Moore) writes:
]>Err... first of all, probably we are spreading at less than 1000:1 -
]>certainly if we are on 2 meters. Second, if the SS system is radiating
]>100W ERP (not unreasonable power), we are looking at +50dBm. So,
]>take your 100 dB of isolation, and you are looking at -50dBm of
]>noise into your narrow receiver. That's a LOT of power! As I was
]>pointing out, you need a large amount of isolation.
]
]Wait! Of that +50dbm of ERP, how much is out-of-band? My impression
]of SS is that we are required to keep intentional radiation inside
]the band. Therefore the only power that can pass into the out-of-
]band narrow receiver is that small percentage of the total transmit
]power contained in spurious responses that happen to be within the
]passband of the narrow (20khz) receiver. Therefore simply subtracting
]and getting -50dbm doesn't seem to be valid.
True... subtract another 30 dB for spreading. Still at -80 dBm - still
lots of noise. As far as keeping radiation in-band... that's my whole
point: that it is hard to do without expensive filters.
]
]Also SS on 2m? I guess I need to reread the rules, I thought SS
]had to be 420Mhz and above.
Oh well... I was talking technical. Forgot the rules. However,
same applies to 440.
]
]>]desense or intermod to the narrowband equipment. We did wind up
]>]adding a cavity to the output of the modem, but that was because
]>]the narrow band equipment was desensing our modem enough we couldn't
]>]copy a weak signal from one of our other modem links.
]>]
]>Specifically, 70kHz is narrow enough to allow running it through a
]>cavity, which you did. That adds a lot of isolation. In fact,
]>running 56 kB through 70 kHz is nowhere close to "spread spectrum" -
]>you are running slightly over one bit per Hz. I would expect
]>real spread spectrum to be way down from that.
]
]Reread what I said. We added a cavity later because the narrowband
]equipment was bothering us; not the other way round. I agree that
]real wide spread spectrum should have even better characteristics.
Yes, but you were trying to give an example of a case where SS
went through a cavity, and I was just pointing out that the
example was inappropriate.
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From 6362683808832709752
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c1687312e470a66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 13:09:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: Phonetics for NJ6A (Was: Re: What to do with N0MFW?)
Message-ID: <7214@helios.TAMU.EDU>
Date: 7 Aug 90 12:42:28 GMT
References: <1990Aug3.030431.28804@cunixf.cc.columbia.edu>
<1250210@hpnmdla.HP.COM>
Sender: usenet@helios.TAMU.EDU
Organization: Computer Science Department, Texas A&M University
Lines: 6
Posted: Tue Aug 7 13:42:28 1990

>>O.k. Gerald, maybe you should set up a service.....but I wonder if you can
>>find phonetics for this one: N6ZFX (I already scanned the dictionary).

And then there is always: the Next 6 Zebras From Xerox!!

bill   KB3YV

From -6288870800728085587
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,25ef1b3063dc05e7,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,25ef1b3063dc05e7,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10c349,25ef1b3063dc05e7,start
X-Google-Attributes: gid10c349,public
X-Google-Thread: 1165a8,25ef1b3063dc05e7,start
X-Google-Attributes: gid1165a8,public
X-Google-ArrivalTime: 1990-08-07 13:14:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!rutgers!
njin!munnari.oz.au!sirius.ucs.adelaide.edu.au!levels!xtasc
From: xtasc@levels.sait.edu.au
Newsgroups: aus.radio,aus.radio.amsat,rec.ham-radio,rec.ham-radio.packet
Subject: Advice on TNC's, TCP/IP etc wanted ...
Message-ID: <15235.26bea565@levels.sait.edu.au>
Date: 7 Aug 90 11:26:29 GMT
Organization: Sth Australian Inst of Technology
Lines: 21
Xref: gmdzi rec.ham-radio:13677 rec.ham-radio.packet:2632
Posted: Tue Aug 7 12:26:29 1990

I am interested in getting hold of a tnc and was wondering what the benefits or otherwise were of buying one that was packet only, or going for a multi-mode unit with rtty,morse,fax etc. Is it better to have all the modes you

may want tied up in one box, or have seperate boxes. How much use do you really get from some of these other modes after you've looked at several weather pictures from mongolia etc ... Packet is what I want now, but do these multi-mode units give upgrade options for external modems etc ? Would anyone even like to go so far as to suggest advantages and disadvantages of the major brands ?? (Ive been looking at the MFJ)
Also - is there any software available for the macintosh to run tcp/ip over packet. Is is public domain, FTP'able? or where can you buy it etc ...

Any help would be appreciated, mailed rather than posted please.

```
+----------------------------------------------------------------------------+
| Rob Mayfield                          (VK5ZEU, Technical Support/Analyst) |
| AUSTRALIAN SUBMARINE CORPORATION Rob.Mayfield@subs.com.au,   AUST0177     |
|                                 or XTASC@lv.sait.edu.au,                   |
|                                    Voice +61 8 348 7000, Fax +61 8 348 7001 |
| We demand that there be rigidly defined areas of doubt and uncertainty !  |
+----------------------------------------------------------------------------+
```

From -4790304081349492029
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c27d4163a1ade61c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 13:35:48 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!wuarchive!psuvax1!psuvm!ricevm1.bitnet!jkoss00
From: JKOSS00@RICEVM1.BITNET (n5qvi, The Ohm Boy)
Newsgroups: rec.ham-radio
Subject: Re: ARRL 27, et al
Message-ID: <1738JKOSS00@RICEVM1>
Date: 7 Aug 90 20:35:48 GMT
Organization: Rice University ARC - W5YG
Lines: 19
Posted: Tue Aug 7 21:35:48 1990

On 4 Aug 90, brian@ucsd.Edu (Brian Kantor) said:
-
- Do any of the Volunteer Examiners allow people to take the rules or
- technical elements of the exam BEFORE you've passed the corresponding
- code tests? Around here, you have to get past the code before they
- will let you take a crack at the written parts of the exam.
-
No problem whatsoever. In May, with a form 610 and a copy of my trusty Novice ticket, I went to an exam session given by the Brazos Valley ARC and wrote Elements 3A and 3B. They sent my 610 to the FCC and issued me credit for 3B. I did not even attempt Element 1B [13wpm] so I still have to pass that element to upgrade to General. However, I _only_ need the code [for another 9 months or so.] To reiterate, no problem whatsoever - atleast here in Houston.

Note, however, that I did have to pass Element 3A before I could write the exam for Element 3B, but that has nothing to do with Morse

code. I would suggest you politely ask the VEs in your area if they
perhaps misunderstood the FCC rules regarding this.

From -6151853376072337469
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6e6377e904030f64,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 13:42:15 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Re: Repeaters
Message-ID: <9008072042.AA07724@tilde>
Date: 7 Aug 90 20:42:15 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Tue Aug 7 21:42:15 1990

Phil Howard says
>And this is the state where people shoot each other on the highways.
>Don't they have gun control laws in California?

I don't know about gun control, but it sounds to me like what is needed is
people control..... or (pardon my sarcasm) maybe California subscribes to
the concept that Individual Choice is fundamental to a free society no matter
what the issue is all about?
:)
Dube N5PDK

From -2062685929706784027
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1f40fd89c6b70609
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 14:25:57 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!mephisto!mcnc!rti!olympus!jkl141
From: jkl141@tijc02.uucp (John Leroy   )
Newsgroups: rec.ham-radio
Subject: Re: Purchasing Something From Britain (Ham Radio) - How?
Message-ID: <1990Aug7.212557.2615@tijc02.uucp>
Date: 7 Aug 90 21:25:57 GMT
References: <9008021744.AA12676@ucsd.edu>
Organization: Texas Instruments, Johnson City, TN
Lines: 24
Posted: Tue Aug 7 22:25:57 1990

From article <9008021744.AA12676@ucsd.edu>, by nix%muppet.decnet@CONSRT.ROK.COM
("MUPPET::NIX"):
> I'd like to find out if anybody on INFO-HAMS has done business directly
> with amateur radio firms in Great Britain? Back in April I joined the

> Radio Society of Great Britain (RSGB) while at the Dayton Hamvention,
> and finally started getting the monthly magazine "Radio Communication".
>
>

Use the telephone and your Visa or Mastercard. A quick $3 phone call to
the UK can accomplish much, much more than a series of letters and the
resulting confusion. Besides, they do speak English. As for currency
and tax, etc., the folks there are very adept at calculating it for you.
You'll be pleased.

> So, if anyone `out-there' has experience in doing business
> with Britain, I'd like to hear about how it's done.
>
> Thanks,
>
> Paul Nix (WB5AGF)   InterNet: nix%muppet.decnet@consrt.rok.com

--

-John LeRoy

Packet Radio: WA4VLV @ WX4S

From 8723971575341599949
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0199daf1b56547b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 14:26:59 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!uwm.edu!bionet!synoptics!unix!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Question about chargin ni-cads
Message-ID: <7880241@hpfcdc.HP.COM>
Date: 7 Aug 90 21:26:59 GMT
References: <39884@sequent.UUCP>
Organization: HP Fort Collins, Co.
Lines: 10
Posted: Tue Aug 7 22:26:59 1990

I've power-charged NiCads by hooking them up to a garden-variety power
supply through a low-value resistor (e.g. 1 ohm). By using a voltmeter
across the resistor, you know the current. Adjust the resistor until
you get 80-100 mA. Note that P=I^2R, so don't blow up your resistor.

Note that 80-100 ma for 16 hrs is about 1.3 mA-hr, so if you are impatient,
you could presumably charge it at 1.3 amps for 1 hour instead. I usually
am, so I charge to 80% capacity, then put it on trickle to top it off.

Perry/KF0CA

From 1392806831492951454

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c1687312e470a66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 14:50:48 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!uwm.edu!bionet!synoptics!unix!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Phonetics for NJ6A (Was: Re: What to do with N0MFW?)
Message-ID: <7880242@hpfcdc.HP.COM>
Date: 7 Aug 90 21:50:48 GMT
References: <1990Aug3.030431.28804@cunixf.cc.columbia.edu>
Organization: HP Fort Collins, Co.
Lines: 33
Posted: Tue Aug 7 22:50:48 1990

> That is my tech license.

Oops. :-) Guess you're stuck now where I am.

> BTW, you were hitting the .310 machine real nice from Crystal Peak...

Uh oh, I'm getting [in]famous. Yeah, I was surprised that particular repeater worked better for me than all the others in the Colorado Connection:

```
Distances (miles) from Crystal Peak (13852)
    8    147.015+ Breckenridge (Bald Mountain, 13684')
     APPROX
   11    145.445- Leadville/Fairplay (south of Mosquito Pass, 13240'+)
** 49    145.310- Denver/Boulder (NE Thorodin Mtn = Starr Peak, 10511')
   50    145.400- Denver (Mount Lindo, 7814')           APPROX
   69    147.285+ Salida (Methodist Mountain, 11655')
   80    146.910- Colorado Springs (Woodmen/Union jct, 6460')
     APPROX
   81    145.355- Parker (junction at 5850' + 9 miles east)
     APPROX
   85    448.500- Colorado Springs                 APPROX
   98    147.285+ Rifle (West Anvil Point, 8680'+)      APPROX
  135    449.300- Cheyenne, Wyoming                APPROX
  146    146.730- Walsenburg (North Rattlesnake Butte, 6439')
```

I could hear a lot of the repeaters but only work a couple of them.

> (why isn't it called peak 11?).

I don't know why they named ten peaks as Peak 1 through Peak 10, north to south (allowing that Tenmile Peak is Peak 2), and then started calling them Crystal, Pacific, and Fletcher.

Anyway, Peak 10 was a wonderful place to watch the sunrise (and play radio) last Saturday. Crystal was on the way to Pacific...

From -6073827149154447729
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,40db9f57f77e1234
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 15:05:43 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!ryn.esg.dec.com!ultnix!taber
From: taber@ultnix.enet.dec.com (Patrick Taber)
Newsgroups: rec.ham-radio
Subject: Re: Encoded serial number to replace QSL's to confirm DXCC etc QSOes.
Message-ID: <2438@ryn.esg.dec.com>
Date: 7 Aug 90 13:07:46 GMT
References: <744.26BE6052@weyr.FIDONET.ORG>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick Taber)
Organization: Murder Inc.
Lines: 58
Posted: Tue Aug 7 14:07:46 1990

In article <744.26BE6052@weyr.FIDONET.ORG>, katz@weyr.FIDONET.ORG (sylvan katz) writes:
|> Has anyone given thought to using a computer generated number which
|> a DX station would send along with the RST/RS to confirm that a
|> contact had been made. This would be used to replace the QSL cards
|> and the associated delays and costs.
|> Perhaps, the DX station could receive an encryption key which is hashed
|> against the call sign of the station worked, band and time. An algorithm
|>could then generate an encrypted confirmation number. [...]

OK, let's for a moment discard the remote/depressed areas where local hams probably don't have computers and probably aren't too interested in having someone issue a key so they can run their own rigs. Let's just consider this for places where hams DO have computers and DO want to "play the game" (which, naturally would include all the DXpeditions, since that's what they're out there for.) We don't have to replace ALL QSL cards, maybe we could just replace SOME of them.

|> [...]   All
|> that would be needed for an award would be a list of stations worked
|> and the encrypted confirmation number. The awarding agency could verify
|> the authenticity of the contact through the encrypted confirmation
|> number. Any thoughts on this is idea ... OR for that matter any
|> thoughts about the nature of the cypher algorithm?
|> 73's --- VE5ZX (op syl) soon to be G0/VE5ZX
|>

An interesting idea that deserves attention, I'd be concerned about the effect on QSO rates and on the secondary effect of funds available to DXpeditions. (Lot's of people put in a little "something extra" in their QSL requests, but if you're no longer going to write off for a QSL, would they still be motivated to send a contribution? Another concern is motivation. DXers want those cards, but do the DXees ;-) have an equal motivation to get them out? Why should they invest in "instant QSL's"? I don't know the answer to that one.

My guess is that if you'd like to develop this idea, DXpeditions are the first place to look. They carry technology with them, so there's less of a problem with availability of machines to do the calculations, and since so many people want cards from them, there is the maximum benefit. If the DXCC desk would go for it, other awards programs might back it too. If a major DXpedition were to use the idea, probably many of the not-so-exotic stations would follow suite. Then we could exchange "DXCC numbers" the way they exchange "10-10 numbers" on 10 Meters.

There'd still be a need for cards though... I know I'd rather have the cards than the awards. As for the exotic locations -- they'll probably always require cards. (And of course, now there's something else for old farts to wax nostalgic about,
"When *I* started in radio, we sent confirmations in the mail."
"Isn't that kind of stupid, given that you've got a radio?"
"No, we were better hams back then because of it. You kids today...."

>>>==>PStJTT
Patrick St. Joseph Teahan Taber

My employer doesn't care what I think. I, in turn, don't care what you think. You probably don't care what my empolyer thinks. Thus is life a circle.

```
From 4695202221488082904
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1b5464aa1e4f7af5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 15:18:25 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!usc!wuarchive!psuvax1!
psuvm!ricevm1.bitnet!jkoss00
From: JKOSS00@RICEVM1.BITNET (n5qvi, The Ohm Boy)
Newsgroups: rec.ham-radio
Subject: Re: peaters.
Message-ID: <1740JKOSS00@RICEVM1>
Date: 7 Aug 90 22:18:25 GMT
Organization: Rice University ARC  -  W5YG
Lines: 33
Posted: Tue Aug  7 23:18:25 1990
```

john@anasaz.UUCP (John Moore) wrote:
> ... But don't expect it to have any claim on either the
> input or output frequency! If I want to carry on a simplex conversation
> on the input frequency, using the repeater's PL, that is my right!

To which tad@ssc.UUCP (Tad Cook) replied:
- Ohhhhhh......I don't think so! This has been tried during some of the
- "repeater wars" in Southern California, and believe me, the simplex
- operators were cited!

Huh? John Moore said "using the repeater's PL" which implies to me that he was using the repeater. No? If a properly licensed amateur radio operator USES a closed repeater, what FCC regulation is she/he violating? If this is an FCC violation, something is very wrong.

But montague@npdiss1.StPaul.NCR.COM (John Montague) claims:
-
- Such an action, if it can be shown that you know that you are using the
- private repeater's PL, would be willfull and malicious interference; an
- action prohibited by FCC regulations.
-

? ? ? ! ! !   Please explain how using a repeater can be considered willfull and malicious interference. If someone else was talking on the repeater and I stomped on them, then that would be a violation. However, if like most private repeaters, it is not being used, then I fail to see who I am causing interference to. Maybe I'm a fritter-head, but I don't understand. Could somebody please explain this? Please cite the applicable FCC regulation too. By number. TNX

- Jordan, n5qvi

.

From 1151579169827291102
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4c07391216dd684,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c349,a4c07391216dd684,start
X-Google-Attributes: gid10c349,public
X-Google-ArrivalTime: 1990-08-07 15:56:18 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!munnari.oz.au!johnh
From: johnh@munnari.oz.au (John Horvath)
Newsgroups: aus.radio,rec.ham-radio
Subject: Info on Polarplexer in Oct. 1987 "73" Magazine.
Message-ID: <5015@munnari.oz.au>
Date: 7 Aug 90 22:56:18 GMT
Sender: news@cs.mu.oz.au
Lines: 9
Xref: gmdzi rec.ham-radio:13707
Posted: Tue Aug 7 23:56:18 1990

Hello.

I would like a copy of the article in the October 1987 issue of "73" magazine detailing the construction of a Polarplexer for use on 10GHz.

Any help would be appreciated.

Thanks...John.

```
From 8225071565814674805
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 16:13:50 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <1127@ke4zv.UUCP>
Date: 7 Aug 90 23:13:50 GMT
References: <14117@shlump.nac.dec.com> <30500651@ux1.cso.uiuc.edu>
<16831@ucsd.Edu> <312@adept.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 28
Posted: Wed Aug  8 00:13:50 1990

In article <312@adept.UUCP> alan@adept.UUCP (Alan Ruffer) writes:
>In article <16831@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>>Were I to do weak-signal work, I'd use a properly-designed and
>>easily-built digital signal processing receiver.  Such can receive and
>>decipher signals so far down in the noise that you couldn't even tell
>>there was a CW signal there.
>>
>>The supposed advantage of CW for weak-signal work is an illusion with
>>recent technology.
>>   - Brian
>
>This is a valid point.  However, I think you are overlooking the fact
>that this type of equipment does not come FREE.  I have seen quite a few
>people break into ham radio using tube and hybrid rigs because they
>could not afford the fancy new appliances with all the bells and whistles.
>The advantage of CW is real in weak signal work.  The illusion is that
>technology solves all of our problems.  Then again I only have 22 years
>of licensed operation to draw my conclusions from...
>FLAMES >> /dev/null
>
>Alan R. Ruffer - WB5FKH

Nothing is free. The tradeoff in this case is a couple of hundred dollars
worth of signal processing parts or three months of your time memorizing
Morse. And the signal processing stuff will still out perform the trained
ear in the end.

Gary
```

```
From -5316070326488962853
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2920b753575b41de,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-Thread: 114aac,2920b753575b41de,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-08-07 16:16:45 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!decwrl!shelby!portia.stanford.edu!paulf@jessica.Stanford.EDU
From: paulf@jessica.Stanford.EDU (Paul Flaherty)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: English R1 Manual available via anonymous ftp
Message-ID: <1990Aug7.231645.12444@portia.Stanford.EDU>
Date: 7 Aug 90 23:16:45 GMT
Sender: news@portia.Stanford.EDU (USENET News System)
Reply-To: paulf@jessica.Stanford.EDU (Paul Flaherty)
Organization: The Three Packeteers
Lines: 7
Xref: gmdzi rec.ham-radio:13706 rec.radio.shortwave:1795
Posted: Wed Aug 8 00:16:45 1990

A scanned PostScript copy of the English R1 manual is now available via anonymous ftp from wilbur.Stanford.EDU (36.14.0.30). The manual was scanned into TIFF format by kpt@doc.imperial.ac.uk, and was munged into .ps using the pbmplus toolkit.   Share and enjoy.

-=Paul Flaherty, N9FZX/VK2WYX | "TEXAS! Has a USENET in it... (Lord have Mercy
->paulf@shasta.Stanford.EDU | on us all!)" -- _The Best Little Net in Texas_

From -3948998010597213235
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,40a1853a0dbe5777,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 20:23:44 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: More TVI Problems
Message-ID: <7880243@hpfcdc.HP.COM>
Date: 8 Aug 90 03:23:44 GMT
Organization: HP Fort Collins, Co.
Lines: 34
Posted: Wed Aug 8 04:23:44 1990

I need help from any of the RFI gurus on the net. I am getting into my TV and VCR big-time. Any suggestions are welcome. Please save my marraige - my wife likes TV, and I like ham radio. :-o

Channel 2 and Channel 6 (2nd and 3rd of 28 Mhz, 4th/6th of 14 MHz) are affected (crosshatching), even at 100 watts. The picture is adversely affected with or without the VCR connected. I've installed a low-pass at the xmtr, and a hi-pass at the TV. The TV stations are 50-60 miles away, so I may be fighting the fringe.

The antenna is a ground mounted vertical with a reasonable (24 radial) ground plane. The TV/VCR is located at the other end of the house, about 40' away. The TV antenna is also about 40' away and 30' up, and certainly in the field. Transmitting with 500 watts is right out - the picture is severely affected. If I transmit into a dummy load, the TV is clean, even at 500 watts, so I'm not getting in via 120 VAC. I think this also means the trasmitter is reasonably grounded.

I have heard about replacing the TV antenna with a 75 ohm resistor - this will determine if the TV is picking up TVI via the antenna or via poor shielding at the set. As I recall, I tried this (the attic is a jungle of fiberglass), and got no interference.

The question now becomes one of eliminating the TV antenna as the culprit - corroded metal diodes and all that. It is very dry here, and the antenna has been in the attic for 10 years, so corrosion is unlikely. How do I tell ? And if it isn't the TV antenna, how do I find the source of the harmonics ? The set has some funky rabbit ears - I'll see what they do when I finish typing this in.

Yours for better neighborhood relationships,

Perry Scott
KF0CA

From -9129377166438466893
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eb481cf69b5e6a96
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 23:30:49 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!tekigm2!alanr
From: alanr@tekigm2.MEN.TEK.COM (Alan N Rovner)
Newsgroups: rec.ham-radio
Subject: Re: TS-940 Fan Question
Message-ID: <9658@tekigm2.MEN.TEK.COM>
Date: 7 Aug 90 15:09:11 GMT
References: <kaiL9Jy00Uh-40fVVC@andrew.cmu.edu> <714@dg.dg.com>
Reply-To: alanr@tekigm2.MEN.TEK.COM (Alan N Rovner)
Organization: Tektronix, Inc., Vancouver, WA.
Lines: 19
Posted: Tue Aug 7 16:09:11 1990

Just a fan note for TS-940S owners. Several 940 owners in the local area have had their original fans become extremely noisy after about 6 months of use on the radio. Probably because of shot bearings in the motor. We replaced the fan with a real EG&G Rotron unit, that is just super quiet and does a fine job. However this unit doesn't fit under the heatsink and must be mounted externally to the rear of the heatsink.

By the way there are two fans on a 940. The one attached to the power supply heatsink runs regularly, a few minutes on then a few minutes off, etc. There is another fan attached to the RF deck heat sink. This fan only comes on after a period of extended transmitting, such as during contests.

You'd think that for such a nice rig, Kenwood could put something other than a cheap $2 fan on the power supply.

Take care and 73,
Al Rovner, WA2TMP
Tektronix Inc.
Vancouver, Wash.

From -1196996577243509995
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 02:09:57 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: DSP beats CW (was: Qualification-based licensing)
Message-ID: <10833@crdgw1.crd.ge.com>
Date: 7 Aug 90 15:39:35 GMT
References: <16831@ucsd.Edu> <26426@usc.edu> <16859@ucsd.Edu> <16861@ucsd.Edu> <10811@crdgw1.crd.ge.com> <283@ultrix.uhasun.hartford.edu>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 33
Posted: Tue Aug 7 16:39:35 1990
In-reply-to: jbloom@uhasun.hartford.edu (Jon Bloom)

In article <283@ultrix.uhasun.hartford.edu>, jbloom@uhasun (Jon Bloom) writes:
>In article <10811@crdgw1.crd.ge.com>, perley@galaxy (Donald P Perley) writes:

>>   <list of articles>
>>
>> Nice list of articles on DSP, but from scanning the titles, nothing
>> dealing with how you could use it decode a signal so weak that you
>> couldn't even hear it if it was CW (as stated in the first DSP vs CW
>> posting).

>Try:
>   "The DSP Project Update," Clark, T. and McGwier, R., Proceedings
>   of the AMSAT-NA Sixth Space Symposium and Annual Meeting, 1988.

>A quote therefrom:
>   "...the early experiments done by the authors over a 150 mile
>   path on 70 cm with satellite arrays were astounding to say the
>   least. The power could not be turned low enough at N4HY for
>   W3IWI to prevent detection..."

That sounds more like it! Is there any comparison in the article to how the signal sounded by ear?

This particular article didn't appear in the previously posted extraction from someones online database. The title gives no clue that the DSP application has anything to do with signal detection. What we really need here is better titles. Might as well name every article in QST as "Radio Stuff" :-)

-don perley
perley@trub.crd.ge.com

From -2282414680728009208
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c1687312e470a66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 04:08:57 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!zaphod.mps.ohio-state.edu!mips!prls!gordon
From: gordon@prls.UUCP (Gordon Vickers)
Newsgroups: rec.ham-radio
Subject: Re: Phonetics for NJ6A (Was: Re: What to do with N0MFW?)
Message-ID: <42222@prls.UUCP>
Date: 7 Aug 90 15:34:56 GMT
References: <1990Aug3.030431.28804@cunixf.cc.columbia.edu> <1250210@hpnmdla.HP.COM>
Reply-To: gordon@prls.UUCP (Gordon Vickers)
Organization: Philips Research Labs, Sunnyvale, California
Lines: 11
Posted: Tue Aug 7 16:34:56 1990

In article <1250210@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
->
->>O.k. Gerald, maybe you should set up a service.....but I wonder if you can
->>find phonetics for this one: N6ZFX (I already scanned the dictionary).
->
->"Zipper Flipper X-traordinaire"
->
->Al N1AL

OR,
Zealously Flinging X-missions

From -5132948106867844445
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 04:13:04 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: DSP is NOW!! (was Qualification-based...)

Message-ID: <753@idacrd.UUCP>
Date: 7 Aug 90 14:59:08 GMT
References: <26426@usc.edu>
Organization: idacrd, princeton, nj
Lines: 57
Posted: Tue Aug 7 15:59:08 1990

From article <26426@usc.edu>, by kjh@pollux.usc.edu (Kenneth J. Hendrickson):
> In article <16831@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>>
>>The supposed advantage of CW for weak-signal work is an illusion with
>>recent technology.
>>   - Brian
>
> But this technology is not available anyplace except the research lab at
> the present time. Therefore, CW still holds a strong advantage. When
>

Not true. The AEA DSP-1232 and DSP-2232 first production unit was delivered to my house last week. Notice I said PRODUCTION, that has nothing to do with the laboratory. While it is not available on the market yet, that will happen this fall. One of the `pre-conditions' Mike Lamb (prexy AEA) put on this was that I work out a weak signal mode for EME without $10000 worth of antenna. On terra firma paths, this is even easier as the coherence time is much longer (usually) than on EME paths. TAPR and AMSAT have their first Beta units to be delivered to software writers within the month. Tom Clark (W3IWI) and I STARTED the DSP in amateur radio hoopla in TAPR and AMSAT by DOING EME with Oscar class stations and DSP techniques based on software I wrote in 1986. My papers in the AMSAT and ARRL networking conferences haven't contained details of this work (intended for popular audiences). This will be the source of a great deal of detail in publication over the next year as I begin to work very hard to popularize and sell DSP as the solution to many of ham radio comm problems. It will also make specialty modes more affordable and encourage experimentation on weak signal modes that were not possible before now. Tom and I are working now on new modems for HF multipath dominated links, primarily as an intellectual exercise at this time, but leading to real working systems. All work at this time is on the Motorola DSP56001 and it is a very popular chip (and STILL available in cheap SLAMPAK regardless of rumors to the contrary). Ray Pettis recently published a scheme in QEX for using this chip and quite good clocks to get matched filters to bring signals out of the noise. He is not trying for the exciting 1 bit per second, otherwise inaudible links yet, but he COULD in short order. I emphasize, this is not the lab, this is people doing it on the air and will be available soon from dealers all over the world in working boxes.

There is not a single doubt in my mind that << so long as good clocks are available to your computer>>, DSP techniques will outperform CW+brain. In an emergency, etc., where you do not have access to extremely good clocks, CW may be the answer, but I will leave this for a future submission after I have

returned to working on this particular problem as I am working on other
things at present.

73
Bob N4HY
```
--
---------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
---------------------------------------------------------------------------
```

From 1177282279330670333
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 04:13:10 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <754@idacrd.UUCP>
Date: 7 Aug 90 15:05:54 GMT
References: <16914@ucsd.Edu>
Organization: idacrd, princeton, nj
Lines: 24
Posted: Tue Aug 7 16:05:54 1990

From article <16914@ucsd.Edu>, by brian@ucsd.Edu (Brian Kantor):
> You know, it suddenly struck me - that the latest bunch of satellites
> don't handle CW. They don't even have CW beacons.   Except FO-20, of
> course.
>   - Brian

Brian:

While I TOTALLY agree with the sentiment, you must recall that LUSAT
(LO-19) has a CW beacon. Since the world (and the Argentinians) grew
tired of it, it stayed on the air about four months and was switched off.
THERE is cause for a small snicker. I suspect that pride, etc. will cause
it to be turned on occasionally. The only comments I have personally
received (by people who know my stance) is that they were unhappy it was
on since I had to reduce the power output of the PSK beacon to compensate
for the power used by the CW beacon ;-).

Bob N4HY
```
--
---------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
---------------------------------------------------------------------------
```

From -1662786702010786035
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 05:11:03 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <16950@ucsd.Edu>
Date: 7 Aug 90 17:30:52 GMT
References: <16914@ucsd.Edu> <754@idacrd.UUCP>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 4
Posted: Tue Aug 7 18:30:52 1990

A thousand pardons, Bob. Now that you mention it, I remember hearing
the LUSAT CW beacon soon after launch. I'd forgotten it was there,
since I only listen to the digital downlink.
     - Brian

From 8469551748994316350
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c1687312e470a66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 05:36:29 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!csc.ti.com!ti-csl!tilde.csc.ti.com!
osage!hoenig
From: hoenig@osage.csc.ti.com (Mike Hoenig)
Newsgroups: rec.ham-radio
Subject: Re: Phonetics for NJ6A (Was: Re: What to do with N0MFW?)
Message-ID: <1990Aug8.123629.22066@csc.ti.com>
Date: 8 Aug 90 12:36:29 GMT
References: <1990Aug3.030431.28804@cunixf.cc.columbia.edu>
<1250210@hpnmdla.HP.COM>
Sender: usenet@csc.ti.com (USENET News System)
Organization: TI Computer Science Center, Dallas
Lines: 17
Posted: Wed Aug 8 13:36:29 1990

In article <1250210@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) responds:
>
>>O.k. Gerald, maybe you should set up a service.....but I wonder if you can
>>find phonetics for this one: N6ZFX (I already scanned the dictionary).
>---------->
>"Zipper Flipper X-traordinaire"
>Al N1AL

     I kinda like:

Nancy's 6 Zebras Fondle Xylophones (fill in your favorite "N" name)
or
Name 6 Zebras From Xanth (this one only works on paper)
or
N6 Zorro Fondles Xenophobes
or
.......well, you get the picture.....

From 7324490890089170946
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 05:59:25 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!
hpcc01!hpcuhb!hpsqf!hpqtdla!jdg
From: jdg@hpqtdla.HP.COM (James Gentles)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <3430007@hpqtdla.HP.COM>
Date: 8 Aug 90 12:59:25 GMT
References: <31.Jul.90.10:57:43.BST.#2288@UK.AC.NWL.IA>
Organization: HP, Queensferry Telecomms, Scotland
Lines: 26
Posted: Wed Aug 8 13:59:25 1990

Thanks to all for your comments, Repeater jamming etc all seems very tame
over here in the UK compared with state-side.

>Repeaters are not operated by private individuals here; they are run and
>maintained by local repeater groups (who hold the license for repeater
>operation). We dont have that many repeaters either (there are only 7 channel

However it may not be quite as much a free for all as it appears. Here in
Central Scotland the repeater group manages 3-4 repeaters on 2 metres.
The publish a membership list and actively discourage others from using
the repeaters except for visiting amateurs to the area. The idea being
that only those who contribute to the running of the repeaters should
benefit from them. Also the repeater group is under funded, so it wants the
free loaders to cough up some bread.

James Gentles GM4WZP (fully paid up member of Central Scotland FM Group)

```
---------------------------------------------------------------------
Opinions expressed are my own, and are not intended to be an official
              statement by Hewlett-Packard Company
---------------------------------------------------------------------
Name:         James Gentles   GM4WZP
Organization: Hewlett-Packard  Queensferry Telecomunications Division
Email:        jdg@hpqtdla.hpsqf.hp.com                         hp-sdd
Address:      Station Road, South Queensferry, West Lothian, Scotland
---------------------------------------------------------------------
```

From -3283192526969049614
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fde24db339d4dc91
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 06:38:19 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: DSP (was: Qualification-based licensing)
Message-ID: <755@idacrd.UUCP>
Date: 7 Aug 90 15:16:30 GMT
References: <16915@ucsd.Edu>
Organization: idacrd, princeton, nj
Lines: 26
Posted: Tue Aug 7 16:16:30 1990

From article <16915@ucsd.Edu>, by brian@ucsd.Edu (Brian Kantor):

> N4HY is working on some stuff. He'll undoubtedly beat me to it, since
> he's got things working NOW.
>
> Honestly, I've never done RF DSP - but I've done a chunk of DSP in sonar
>
> But DSP is clearly the way to go - hams are trailing commercial technology
> again, I regret to say.

My work is with W3IWI, KB2CST, KA2MOV, WA7GXD, AEA, ARINC, and DRSI.

All this stuff will explode from AEA, TAPR-AMSAT, etc. in the next few months
and the adds WILL be in QST. Articles will be in several places but this
will follow sometime after the boxes/cards are out due to the amount of time
needed to do the actual work.

73
Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From -4095751065427649798
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fde24db339d4dc91
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 06:39:27 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio

Subject: Re: DSP (was: Qualification-based licensing)
Message-ID: <756@idacrd.UUCP>
Date: 7 Aug 90 15:27:44 GMT
References: <16915@ucsd.Edu>
Organization: idacrd, princeton, nj
Lines: 33
Posted: Tue Aug 7 16:27:44 1990

From article <16915@ucsd.Edu>, by brian@ucsd.Edu (Brian Kantor):
>
> But DSP is clearly the way to go - hams are trailing commercial technology
> again, I regret to say.

Oh yes, I forgot to comment on this statement. I agree that we were behind as a group in applying DSP technology to ham radio problems. HOWEVER, the multimode, all purpose, do it all DSP box is truly UNIQUE in its availability (or will be shortly) with open programming models, etc. I cannot think of another instance where this has happened and should have many groups in industry etc. wondering how those `damn hams' did it again. Some of the stuff we will be doing with DSP is not done ANYWHERE else and is too risky to be tried commercially. So long as ham radio continues to be a place where this kind of work can go on, there is a place for ham radio occupying the valuable spectrum it does. We are about to step to the forefront again in a couple of areas with comm systems based on DSP, etc. that don't exist elsewhere (commercially available, forget spooks, they don't count ;-).

This ability to do experimentation that is not `allowed' at work is the reason given over and over again by the KA9Q's, NK6K's, W3IWI's, WA7GXD's myself, and on and on (including WB6CYT if we ever get to sit down over that beer, I would be willing to bet) for their continued interest in ham radio.

Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From 4946696770480927180
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7095cd7c3cf35a17,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 08:00:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!rutgers!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!uicsl.csl.uiuc.edu!gene
From: gene@uicsl.csl.uiuc.edu
Newsgroups: rec.ham-radio
Subject: GETTING ON FREQ (Precisely)

Message-ID: <29400005@uicsl.csl.uiuc.edu>
Date: 8 Aug 90 15:00:00 GMT
Lines: 40
Nf-ID: #N:uicsl.csl.uiuc.edu:29400005:000:2467
Nf-From: uicsl.csl.uiuc.edu!gene   Aug 8 10:00:00 1990
Posted: Wed Aug 8 16:00:00 1990

How about a campaign
to suggest how all "phone nets" can get on "precisely" the same frequency, independent of an individual's "taste" in tuning in a signal.

My suggestions are based on the assumption that the large majority of transceivers are digital/synthesized, read only to 0.1 Khz on the main display, and have the option of tuning in exactly 1 Khz steps where it necessarily stops "precisely" on a full digit. My Icom 751 does this and I feel pretty sure that other similar equipment does the same.

1. Have all nets agree to use a "full" digit (no 0.1 Khz fractions).
2. Have all participants leave their main tuning in the "1 Khz-step" mode only, to step to the desired digit.
3. Henceforth, DO NOT TOUCH the main dial....use only RIT (Receive Incremental Tuning, or whatever descriptive term is used).
   Thus each person can set his RIT to suit his own personal taste with only one setting and everyone will automatically suit "his ear"!

Of course all the above depends on the transceiver being precisely calibrated to WWV, and I suggest the following:

1. Using the same 1 Khz-step mode only, set WWV upper-sideband on VFO A, and WWV lower-sideband on VFO B so that you can quickly toggle between them. BE SURE to have your RIT off, or cleared to zero!
   (Alternately, for quick, easy check, I set WWV 5Mhz in Memory-channel 1 & 2, 10 Mhz in 5 & 6, 15 Mhz in 9 & 10, using the gaps between sets so as not to accidentally toggle WWV on two different frequencies, since the transceivers are not absolutely perfect)
2. Now wait for WWV to send their "musical tone" (not preset during some intervals), and simply "tweak" your calibrator until your ear tells you that the two musical tones match, as you toggle quickly between upper and lower sideband. I feel certain that almost everyone has a good enough "ear" to recognize when the tones match!

   By the way, if you thought you were good at tuning in speech perfectly..try first "tweaking" your calibrator until you think the voice sounds natural (do this before the tone test)...then use the comparative-tone test and see how many Hz you missed.

73 W9RWZ

From -693491266969055927
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,9dc02c08fa189bb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 08:12:20 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Plan to TAKE AWAY 2 Meters and 440
Keywords: TV, Bandwidth, HDTV
Message-ID: <2852@anasaz.UUCP>
Date: 8 Aug 90 15:12:20 GMT
References: <1699@raybed2.msd.ray.com> <30500650@ux1.cso.uiuc.edu> <1124@ke4zv.UUCP>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 41
Posted: Wed Aug 8 16:12:20 1990

In article <1124@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
]Actually it is 12Mhz of empty space, second adjacent is the rule. Each
]broadcast channel is 6Mhz. Second adjacent means two channels or 12Mhz.

This is true for VHF, but not for UHF. UHF has at least 3 empty channels between each station. Here in Phoenix (population > 2 million), it has 6 empty channels each. In addition, harmonic and intermod relationships cause additional channels to be set aside. This IS a big waste.

]Designing a fliter system that is very flat with 0.2 degree phase linearity
]over a 6 Mhz bandwidth while having high rejection immediately adjacent
]is neither simple nor cheap. Phase linearity is the key here as our
But it really isn't that hard to do for rejection with ONE guard channel on each side, which would greatly reduce the waste of UHF spectrum.

I should also point out that an experimental license was issued to at least one company that transmits data on ADJACENT UHF channels. Their trick: they only transmit during the sync pulses from the adjacent station, at which time the TV is tens of dB less sensitive to interference. A neat (and patented) trick, IMHO.

]>But what is really sad is that VHF and UHF TV is a primarily FIXED
]>point-to-multipoint service, which is more suitable to spectrum above
]>2 to 4 Ghz. FM radio broadcasting still tends to be mobile enough
]>that it should not have to move up there. The appropriate usage for
]>spectrum in the 30-3000 Mhz range is mostly mobile.
]
]This sounds reasonable at first glance, however there are millions
]of "portable" televisions in operation in this country. In addition,
]if you think we have ghosting problems now, you have no idea how
]much worse multipath becomes as you go up in frequency.

Pay TV is in fact transmitted on microwave in many areas of the US. I have heard no reports of multipath (since they use a roof mounted dish or loop yagi). It DOES work. I would hope that any broadcast HDTV use microwave spectrum ONLY.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From 3273023535684552840
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31b6f82e655270ba,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 08:16:37 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!ron
From: ron@hpfcso.HP.COM (Ron Miller)
Newsgroups: rec.ham-radio
Subject: FM SSB CB?
Message-ID: <7500023@hpfcso.HP.COM>
Date: 8 Aug 90 15:16:37 GMT
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 27
Posted: Wed Aug 8 16:16:37 1990

Re: The rest of the world.....

You know, some things don't change much.

In the newest issue of OFF-ROAD magazine they have an article about
CBs, CB antennas and stuff. They have some cute things on antenna testing
but what strikes me as funny is:
(1) They show a picture of a fellow's truck and specifically mention his 150 watt linear. (Guess I'll have to copy the article and send it to Uncle....)
(2) They have a very nice sidebar describing a top-of-the-line Midland CB with SSB capability. They go on to mention how SSB is FM and how FM SSB is so powerful and quiet. :-)

When I was in college I had a friend, WB4DBB, who fixed radios for a
living. He had stories about CBers and their "joltmeters, omenmeters"
and the guy who was driving around with 50 gallons of saltwater in
containers in his trunk because he'd noticed he got bettter range
from the CB in his boat........

Now, back to your regular discussion of non-technical licensing :-)

Ron
NW0U

(I was interested in CB for awhile but I got over it with ham radio.)

From -7159717362730004025

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,40db9f57f77e1234
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 08:33:42 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!dougb
From: dougb@hpnmdla.HP.COM (Doug Bender)
Newsgroups: rec.ham-radio
Subject: Re: Encoded serial number to replace QSL's to confirm DXCC etc QSOes.
Message-ID: <1250211@hpnmdla.HP.COM>
Date: 8 Aug 90 15:33:42 GMT
References: <744.26BE6052@weyr.FIDONET.ORG>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 19
Posted: Wed Aug 8 16:33:42 1990

I certainly agree that we need some means of "confirming" QSOs that would cost less money and effort (and frustration!).

The solution you describe in which encryption is involved is illegal in the United States -- no encryption on the amateur service. (Albeit the 'Q' signals seem a bit cryptic, they are internationally recognized.)

As the other responses point out, many of the DXpeditions/major contests have the computing power with them. Could the League or some other clearinghouse make disk copies of their logs? A fee (annual?) could be paid to the League/clearinghouse to supply you with your 'award status' -- which you could use in place of (or in conjunction with) QSLs when submitting for DXCC, WAZ, etc. Of course, if the League handled it, they could immediately see your DXCC status and mail you the appropriate certificate/endorsement!

73,
Doug, WW6D
dougb@hpnmd.hp.com

From -6053224885310399819
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e22d0c3e55de58cd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 09:01:16 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!cs.utexas.edu!asuvax!anasaz!qip!john
From: john@qip.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: IC-24 Purchase outside of USA
Message-ID: <3980@qip.UUCP>
Date: 8 Aug 90 16:01:16 GMT
Reply-To: john@qip.UUCP (John Moore)
Organization: Anasazi Inc, Phoenix AZ
Lines: 19
Posted: Wed Aug 8 17:01:16 1990

Does anyone know what the purchase price of an IC-24 is in Tokyo (Akihabara)? Can one which is purchased in Japan be converted for use in the US? Can it be converted to wide coverage? If it breaks, will ICOM America fix it? Under warranty?

Can the IC-24 transmit out of band? Specifically I am interested in using it for Civil Air Patrol and Arizona National Guard.
[Please, no out of band flames. It is legal and legit for
both of these uses]

[my brother lives in Tokyo and hence can shop for me in Akihabara.
I got my TS-430 that way some years ago.]

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.asueas.edu
Voice: (602) 951-9326 FAX:602-861-7642 Advice: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From 7964277956358345167
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a3f8e4a274e6a7a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 10:11:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!helios.ee.lbl.gov!pasteur!agate!shelby!portia.stanford.edu!jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: One less use of Morse code
Message-ID: <1990Aug8.171135.11557@portia.Stanford.EDU>
Date: 8 Aug 90 17:11:35 GMT
References: <16993@ucsd.Edu>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 16
Posted: Wed Aug 8 18:11:35 1990
X-Local-Date: 8 Aug 90 10:11:35 PDT

In article <16993@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>{Popular Communications} Magazine reports that Western Union has filed
>with the FCC to shut down its coastal telegraph station KFS (location
>unspecified), and that some other coastal telegraph stations, WPA,
>WOE, WMH, WSL and KOK (locations and owners unspecified) have already
>been closed down.

It's a bit less than 10km from my home QTH here. It shows up all over the place on most synthesized rigs, including my Icom R1 when it's connected to a real antenna. There have been all kinds of RFI complaints from residents near KFS.

Hooray!

-=Paul Flaherty, N9FZX/VK2WYX | "TEXAS! Has a USENET in it... (Lord have Mercy
->paulf@shasta.Stanford.EDU | on us all!)" -- _The Best Little Net in Texas_

From 183686402287687357
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ff1f5f8dcd222e3a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 11:37:31 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!unmvax!bbx!yenta!dt
From: dt@yenta.alb.nm.us (David B. Thomas)
Newsgroups: rec.ham-radio
Subject: Re: Tower climbing safety
Message-ID: <1710@yenta.alb.nm.us>
Date: 8 Aug 90 18:37:31 GMT
References: <4140018@hpnjld.HP.COM>
Organization: yenta unix pc, Rio Rancho, NM
Lines: 11
Posted: Wed Aug 8 19:37:31 1990

eyg@hpnjld.HP.COM (Ed Gilbert) writes:

>I'm thinking of something along
>the lines of a strong rope or wire that runs the length of the tower,
>which some kind of attachment to a safety belt. The attachement to
>the rope or wire would have to allow you to climb up freely, and
>maybe allow you to descend slowly, but grab if you tried to descend
>too rapidly.

Hmmm -- sounds like the seat belt ratchets in many automobiles. Could
one of these be used, or would we need something stronger?

From -1828828504101433355
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c916f5a7df6fe05,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 11:57:00 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: How To Get Started.
Message-ID: <30500667@ux1.cso.uiuc.edu>
Date: 8 Aug 90 18:57:00 GMT
References: <32218@cup.portal.com>
Lines: 13
Nf-ID: #R:cup.portal.com:32218:ux1.cso.uiuc.edu:30500667:000:515
Nf-From: ux1.cso.uiuc.edu!phil   Aug 8 13:57:00 1990
Posted: Wed Aug 8 19:57:00 1990

> Ken, read the entire posting again. The man wants his infant son and
> his wife to TALK to his parents. Not anonymously BEEP at them, TALK
> to them! CW is as irrelevant to his needs as it is to most people's
> needs.
>
> Gary KE4ZV

Isn't it obvious, Gary, that Ken wants the WHOLE FAMILY to learn code.
The family that BEEPS together, KEEPS together! :-)

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 7548776446995330400
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 12:01:08 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!swrinde!cs.utexas.edu!csc.ti.com!
ti-csl!tilde.csc.ti.com!osage!hoenig
From: hoenig@osage.csc.ti.com (Mike Hoenig)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <1990Aug8.190108.20257@csc.ti.com>
Date: 8 Aug 90 19:01:08 GMT
References: <14117@shlump.nac.dec.com> <30500651@ux1.cso.uiuc.edu>
<16831@ucsd.Edu> <312@adept.UUCP>
Sender: usenet@csc.ti.com (USENET News System)
Organization: TI Computer Science Center, Dallas
Lines: 30
Posted: Wed Aug 8 20:01:08 1990

In article <312@adept.UUCP> alan@adept.UUCP (Alan Ruffer) writes:
>In article <16831@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>>The supposed advantage of CW for weak-signal work is an illusion with
>>recent technology.
>>   - Brian
>
Am I the only one on this Internet who has heard of EMP? You know,
that well-documented feature of lightning, nuclear weapons, etc., which
makes ALL of "today's technology" nothing more than rocks? Something
about: If your equipment is not "hardened" against it, EMP WILL take
out your commercially-built, general-public electronics. I understand
that even military electronics has its limits, and it IS being hardened
these days. THAT IS THE ADVANTAGE AND THE BASIS OF THE INTERNATIONAL
REQUIREMENT FOR A KNOWLEGE OF CW BELOW 30MHZ.

>The advantage of CW is real in weak signal work. The illusion is that
>technology solves all of our problems. Then again I only have 22 years
>of licensed operation to draw my conclusions from...

```
>FLAMES >> /dev/null
 ^^^^^^^^^^^^^^^^^^^
    I agree.
>
>Alan R. Ruffer - WB5FKH
>
>+-------------------------------------------------------------------------+
>| Alan R. Ruffer @ Perfect Partners, Inc.                                |
>| Route 1 Box 1745                                                        |
>| Sulphur, LA 70663             UUCP: {csccat,holston}adept!alan         |
>| (318) 527-8316 (Voice)                                                  |
>+-------------------------------------------------------------------------+


From -3275630439709441759
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 12:09:00 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <30500668@ux1.cso.uiuc.edu>
Date: 8 Aug 90 19:09:00 GMT
References: <14117@shlump.nac.dec.com>
Lines: 15
Nf-ID: #R:shlump.nac.dec.com:14117:ux1.cso.uiuc.edu:30500668:000:641
Nf-From: ux1.cso.uiuc.edu!phil    Aug  8 14:09:00 1990
Posted: Wed Aug  8 20:09:00 1990


As a licensed amateur radio operator who has successfully passed a five
word per minute morse code telegraphy exam in order to get my operator
license, I can tell you that the PK-232 can copy morse code off the air
much better than I can.

So tell me, did the code test do me any good?

Did it accomplish the purpose increasing my operator skill?

What it did accomplish was keeping me out of ham radio for 18 years.
And for most of that time I had subscriptions to 73 and HR magazines.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From 1301879047968400875
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d2192622ae9ba40,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1990-08-08 12:40:57 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!hplabs!hpda!hpcuhc!hpspcoi!mlau
From: mlau@hpspcoi.HP.COM (Mel Lau)
Newsgroups: rec.ham-radio
Subject: * * Help Technician Questions * * *
Message-ID: <860007@hpspcoi.HP.COM>
Date: 8 Aug 90 19:40:57 GMT
Organization: HP PCG, Sunnyvale CA
Lines: 158
Posted: Wed Aug 8 20:40:57 1990

After reading the ARRL Technician Class license manual and looking at the test question supplement to be used for the question pool after July 1, 1990, I am completely confused.

===

After reading chapter 8, "Signals and Emmissions" I came across the following:

F1B - Telegraphy using frequency-shift keying without a modulating audio tone
      (FSK RTTY)

F2A - Telegraphy produced by then on-off keying of audio tone fed into an FM
      transmitter.

F2B - Telegraphy produced by modulating an FM transmitter with audio tones.
      (AFSK RTTY)

3AH-2-3.2

Page 10-44
What is the emission symbol for telegraphy by frequency shift keying without the use of a modulation tone ?

A) F1B   B) F2B   C) A1A   D) J3E

After 7/1/90
Page 10-62
What is the emission designation for telegraphy by frequency shift keying without the use of a modulation tone ?

A) RTTY   B) MCW   C) CW   D) Sideband phone

Answer is A.

-?) What is MCW ?? Is it modulated code wave ??? Why is F2B designated as MCW when F2B is AFSK RTTY ??

3AH-2-4.1

Page 10-44

What emission type results when an on/off keyed audio tone is applied to the microphone input of an FM transmitter ?

A) F1B B) F2A C) A1A D) J3E

After 7/1/90
Page 10-62
A) RTTY B) MCW C) CW D) Sideband phone

Answer is B.

-?) Now I'm really confused, why is F2A now MCW ?? Is MCW F2A ???
Is the answer correct ??

3AH-2-4.2
Page 10-45
What is emission type F2A ?

A) Telephony produced by audio fed into an FM transmitter
B) Telegraphy produced by an on/off keyed audio tone fed into an AM transmitter
C) Telegraphy produced by on./off keying of the carrier amplitude
D) Telegraphy produced by an on/off keyed audio tone fed into an FM transmitter

After 7/1/90
Page 10-62
What is tone-modulated international Morse code telegraphy ?

B) Telegraphy produced by on/off keyed audio tone fed into a CW transmitter.
Answer is D.

-?) Is this MCW ??

3A-2-5.1
Page 10-45 What is emission type F2B ?

A) FM telegraphy using audio tones
B) FM telphony
C) FM facimile using audio tones
D) PM television

After 7/1/90
Page 10-62 What is the emission designated as "MCW" ?

Answer is A.

???? I thought this was AFSK RTTY ??? Should A) be "FM telegraphy using on/off keying of an audio tone ? " Or should the quesion be what emission designates AFSK RTTY ??

3AH-2-5.3

After 7/1/90
Page 10-63 What emission type results when an AF shift keyer is connected to the microphone jack of an FM phone transmitter ?
A) SS
B) RTTY
C) MCW
D) Image

Answer C.

??????? I thought the answer should be B, any explanations ???

I guess the question I am asking is:

1) What is MCW ??
2) Is MCW = AFSK RTTY = F2B ??
3) What is FM Telegraphy using on/off keying of an audio tone fed into the input of the microphone ?.

Chapter 3 "Radio-Wave Propagation

On page 3-2 it states that:

As radio waves pass through the ionosphere, they give up energy. This sets some of the ionized particles into motion. Effects of absorption on lower frequencies are greater than on higher frequencies. Absorption also increases proportionally with the amount of ionization. The more ionization, the more energy the radio waves lose passing through the ionosphere. Absorption is most pronounced at midday. It is responsible for short daytime communications ranges on the lower amateur freqencies (160,80, 40meters).

On page 3-6 it states that:
Maximum ionization occurs during a sunspot cycle peak. High sunspot numbers usually mean good worldwide radio comunications....

????? If absorption is proportional to the amount of ionization how could you get good long distance communications during a high sunspot number when ionization is at maximum ?????

If anybody can explain answer these questions please reply or post on notes.

Thanks in advance,

Ham in training,
Mel
...hplabs!hpscpoi!mlau

```
From 6334779647804441461
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 12:43:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!hellgate.utah.edu!cc.utah.edu!inel.gov!gibbon!sxb
From: sxb@gibbon.inel.gov (Steve Bryan)
Newsgroups: rec.ham-radio
Subject: Re: DSP beats CW (was: Qualification-based licensing)
Summary: Won't DSP technology benefit CW also?
Message-ID: <1990Aug8.194311.6251@inel.gov>
Date: 8 Aug 90 19:43:11 GMT
References: <30500651@ux1.cso.uiuc.edu> <16831@ucsd.Edu> <26426@usc.edu>
<16859@ucsd.Edu>
Sender: news@inel.gov
Organization: Idaho National Engineering Laboratory, Idaho Falls, Idaho
Lines: 30
Posted: Wed Aug  8 20:43:11 1990
```

I have been following the thread about DSP technology allowing much weaker signals to be copied than is possible with good receiver + CW + human ear. It is not clear to me why similar technology can't be applied to CW signal detection in order to allow the reception of even weaker signals than is currently possible. Am I missing an important point about the nature of the computer-generated signals that are currently being picked out of the noise by DSPs that makes application of this technology to CW signals inappropriate?

-Just wondering

```
 ____________________________________________________________________________
|Steven R. Bryan, Idaho National Engineering Lab.  INTERNET: sxb@INEL.GOV    |
|N7MPY            POB 1625 M.S. 1206               Phone: (208) 526-0338     |
|_________________Idaho_Falls,_Id._83415___________FAX:___(208)_526-1419_____|
```

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From -2022607203917147421
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c4781085c36d7bf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 13:08:53 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!ucbvax!HICKAM-EMH.AF.MIL!1843eie
From: 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE")
Newsgroups: rec.ham-radio
Subject: Calls, Manuals, and reply Comments
Message-ID: <9008082008.AA24975@uunet.uu.net>
Date: 8 Aug 90 20:08:53 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 38
Posted: Wed Aug 8 21:08:53 1990
X-Unparsable-Date: 8 Aug 90 10:07:00 GMT-10:00

INTEROFFICE MEMORANDUM

Date: 8-Aug-1990 10:05am HST
From: 1843EIG/EIE
1843EIE
Dept: 1843EIG/EIE
Tel No: 656-1158

TO: Remote Addressee (_INFO-HAMS%UCSD.EDU@UUNET.UU.NET)

Subject: Calls, Manuals, and reply Comments

Logic **WARNING** ! This message contains three completely separate topics.

Better that than wasting valuable bandwidth on that STOOPID header that I can't suppress.

1. Callsigns: All the talk about phonetics reminded me of the YL operator I worked this past Field Day. She was at WB6LRU -- WB6 "Lacy Red Underwear" (Boy, did that ever attract attention on 10 phone ;-))

2. Getting no response to my plea for an Autek QF-1A Audio Filter manual last

month, I'll ask one last time if anyone out there has one. Copying and postage costs gladly reimbursed.

3. Now that the comment period is over for PR 90-55, could some kind soul please post the format/procedures for filing reply comments?

73 and aloha,

Jeff Miller WD6CQV/KH6 AFA8JM
1843EIE"at"HICKAM-EMH.AF.MIL

P.S. Is there anybody out there who can do better than "We Do 6 Clearly Questionable Vices" for my call? Maybe it's time to put in for NH6XX :-) .

From -4358212620060635338
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,621183598ff6adfa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-08 13:26:05 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!usc!rutgers!att!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: V31BB
Keywords: V31BB, Jim, rumor
Message-ID: <1064@tsdiag.ccur.com>
Date: 8 Aug 90 20:26:05 GMT
Organization: CONCURRENT,ENG. SERVICES,OCEANPORT NJ
Lines: 12
Posted: Wed Aug 8 21:26:05 1990

I heard through this newsgroup some months ago that Jim, V31BB, had passed away. I was wondering if anyone could either categorically confirm or deny this rumor. Regardless of what others have said about him, Jim was always interesting to listen to and strenuously enforced good operating procedure from others. I'd hate to think that this unique and interesting ham has become a silent key. Any information would be greatly appreciated.

```
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

From 8652698398021397123
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 06:46:54 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad

From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Summary: I don't think so!
Message-ID: <969@ssc.UUCP>
Date: 6 Aug 90 03:39:09 GMT
References: <31.Jul.90.10:57:43.BST.#2288@UK.AC.NWL.IA> <2814@anasaz.UUCP>
Organization: very little
Lines: 19
Posted: Mon Aug 6 04:39:09 1990

In article <2814@anasaz.UUCP>, john@anasaz.UUCP (John Moore) writes:
. But don't expect it to have any claim on either the
> input or output frequency! If I want to carry on a simplex conversation
> on the input frequency, using the repeater's PL, that is my right!

Ohhhhhh......I don't think so! This has been tried during some of the
"repeater wars" in Southern California, and believe me, the simplex
operators were cited!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -8492922039306225533
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e9ee59a01253a447,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 06:49:24 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: AMSAT News, 8/4/90
Keywords: Ham satellite news
Message-ID: <971@ssc.UUCP>
Date: 6 Aug 90 05:29:45 GMT
Organization: very little
Lines: 682
Posted: Mon Aug 6 06:29:45 1990

SB ALL @ AMSAT $ANS-216.01
UPDATE ON UOSAT/MICROSAT BBS

HR AMSAT NEWS SERVICE BULLETIN 216.01 FROM AMSAT HQ

SILVER SPRING, MD AUGUST 4, 1990
TO ALL RADIO AMATEURS BT

UoSAT / Microsat BBS Passes Alpha Tests

During "Colloquium Week" at the University of Surrey (UoS), Harold Price, NK6K and Jeff Ward, G0/K8KA, made significant progress in testing store and forward communications software on UO-14. This software will also be run on AO-16 and LO-19 after it has been completely tested and debugged on UO-14.

Once Harold arrived at UoS, he and Jeff went directly to work loading the 210 kbytes of code to UO-14 for testing. The tasks loaded were: hit.exe (the Housekeeping Integration task), cpe.exe (the Cosmic Particle Experiment data collector), mfile.exe (the RAMDISK file system server), tlm.exe (the telemetry server), qax25.exe (the AX.25 "virtual TNC") and ftl0.exe (the BBS itself "File Transfer Level 0").

During the course of the week, it was necessary to re-load the software 5 times, to overcome operational glitches and install bug fixes. When the satellite wasn't in range, memory dumps were examined and new code versions were compiled and ground-testing. For ground tests Jeff and Harold used 2 IBM Real-Time Interface Co-processor cards (in their respective PCs) and the UO-14 engineering model (at least the bits of it which would fit onto Jeff's desk).

To stress the software and reveal bugs, they started a bulletin broadcast, which fills any free downlink time with UI frames. With this running, they connected to the BBS and downloaded a 30 kbyte file. Throughout the test, European stations continued digipeating. After downloading the file twice without incident, the 'alpha tests' were declared complete.

The success of the hard work performed by Harold and Jeff now clears the way for the following activities:

(1) Release of the UoSAT/Microsat PACSAT protocol specifications. Complete definitions of PACSAT File Headers, PACSAT Broadcast format, and the File Transfer protocol Level 0 will be freely available. All of these have been in draft form for some time, and Harold is getting final versions ready for publication in the ARRL Networking Conference proceedings. If all goes well, they should also be available in electronic format in early fall.

(2) Development of user groundstation software for BBS access.   The FTL0 protocol is designed for automated access (not hunt-and-peck keyboard control). Once fully tested, this software will be made available through AMSAT-UK and AMSAT-NA thus making UO-14 truly open for access.

(3) Porting of the file system and the FTL0 BBS to AO-16. Although most of the code will run without modification, there are some differences in satellite hardware and "operating philosophy" which must be accounted for. This specifically involves drivers for the RAMDISKS, and support for ALOHA access on the A0-16. (UO-14 will use an experimental reservation multiple access scheme, with only limited ALOHA contention.)

This is, of course, taking longer than a similar BBS-only effort would on the ground. Remember that UO-14 is simultaneously running six programs: sampling telemetry, collecting data from the Cosmic Particle Experiment, providing a multiple-connection virtual TNC, broadcasting using a new point-to-multipoint protocol, and waiting for full-duplex binary file transfers at 9600 bits/second. Including DOVE and WEBERSAT, 6 programmers in 2 continents and 4 time-zones have collaborated to bring this together.

[ANS thanks Jeff Ward, G0/K8KA for the information for this bulletin]
/EX
SB ALL @ AMSAT $ANS-216.02
AMSAT-UK COLLOQUIUM, PART 1

HR AMSAT NEWS SERVICE BULLETIN 216.02 FROM AMSAT HQ
SILVER SPRING, MD AUGUST 4, 1990
TO ALL RADIO AMATEURS BT

The following summaries from the AMSAT-UK Colloquium were received from Richard Limebear, G3RWL.

The Colloquium was held at the University of Surrey, England from July 26 to 29, 1990. Over 200 people from about 29 countries were in attendance. This annual event is one of the premier Amateur Satellite sessions held anywhere. Additional details are forthcoming in an upcoming issue of OSCAR News.

* Russian Satellites *

The RS14/RUDAK-2 launch has slipped, the current word is October 1990. Apparently the RSM modulation promised stands for Rectangular Spectrum Modulation but no other information about it is available at this time. The 70cm link will apparently use an RHCP aerial while 2m will use a dipole. Only one transponder will be switched on at a time and that will normally be RUDAK; the analogue transponder is considered to be a reserve.

** BADR-1 New Satellite **

SUPARCO (the Pakistani Space & Upper Atmosphere Research Commission) launched a small UoSAT-2/FO-12 class microsatellite into orbit on 16 July 90.

The Keplerian elements indicate that this orbit is pretty eccentric; as much as FO-20 but a lot lower in altitude. Perigee/apogee at this time are about 198/982 km but by November they'll be 125/900 km - in other words it won't live long. Also, with an inclination of 28 degrees, perigees close to the UK won't rise above the horizon there.

Information received from Suparco says that telemetry is of the UO-11 type; the two transmitters are on 145.825 and 144.028.
/EX
SB ALL @ AMSAT $ANS-216.03
AMSAT-UK COLLOQUIUM, PART 2

HR AMSAT NEWS SERVICE BULLETIN 216.03 FROM AMSAT HQ

SILVER SPRING, MD AUGUST 4, 1990
TO ALL RADIO AMATEURS BT

* FO-20 *

At the Colloquium JARL said they will issue an award for Mode JA operations. It was pointed out that satellite users could do with some more mode JA time; some arrangements were made for this and also for the FO-20 operating schedule to be PUBLISHED in the future.

** ARSENE **

F6BVP gave a comprehensive presentation about their long awaited satellite. ARSENE (Ariane Radioamateur Satellite pour l'ENseignement de l'Espace) will be mounted INSIDE the Ariane rocket's separation collar on the September 1992 flight carrying the Telecom 2B payload. The final orbit is expected to be equatorial with apogee = 36,000 km and perigee = 20,000 km with a period of seventeen and a half hours. Visibility figures for the UK for this type of orbit are "interesting" to say the least - the longest pass seems to be about 31 hours and gaps of 48 hours between passes will occur from time to time.

A solid fuel rocket motor will be used to raise the perigee after launch into Geostationary Transfer Orbit. This spin-stabilised satellite will carry three deployable solar panels and be earth-pointing using nitrogen gas for attitude control; lifetime expected is on the order of five years. The six-sided body will measure 900mm in diameter, be 880mm high and weigh about 140Kg before the kick motor firing.

The communications payload will have a 70cm uplink and 145 and 2445 MHz downlinks; the two modes, B and S, will NOT operate simultaneously. Mode B operation will be FSK packet radio (3 uplink channels, one downlink) and mode S will be a linear transponder.

** AMSAT-Isreal **

Amsat-Israel announced that they intend to follow the example of universities abroad and launch their own satellite project. Plans are for a small store-and-forward spacecraft, perhaps also carrying scientific experiments.
/EX
SB ALL @ AMSAT $ANS-216.04
AMSAT-UK COLLOQUIUM, PART 3

HR AMSAT NEWS SERVICE BULLETIN 216.04 FROM AMSAT HQ
SILVER SPRING, MD AUGUST 4, 1990
TO ALL RADIO AMATEURS BT

** UOSAT-F **

There is a proposal for the UoSat-F spacecraft to be launched on an Ariane flight in April 1991. If the proposal is realized, Amsat-UK will make a significant donation to the project which is also hoped to carry a Mode A transponder.

** PHASE-3D **

Design requirements for the Phase-3D satellite were discussed. The plan is to improve links by more than 10dB above AO-13 levels by using more power, more antenna gain, and anti-alligator measures. The preliminary specification has a 250W PEP transmitter in a 3m diameter toroidal shape weighing 400 Kg. Amsat-DL would like it to carry X-band (10GHz) and other microwaves plus experiments and educational features as well as the "normal" communications payloads.
/EX
SB ALL @ AMSAT $ANS-216.05
SAREX IS #1 FOR LAUNCH

HR AMSAT NEWS SERVICE BULLETIN 216.05 FROM AMSAT HQ
SILVER SPRING, MD AUGUST 4, 1990
TO ALL RADIO AMATEURS BT
NASA Has Set Tentative Launch Date for ASTRO-1 / SAREX Mission

NASA will roll out the Shuttle Columbia to the launch pad in the next few days, having repaired the Hydrogen leak that forced a rollback to the VAB (Vertical Assembly Building) in May. Although the final date and time will not be firm until the Final Readiness Review, which is held about a week before launch, a tentative date of September 1 at 5:00 GMT (23:00 EDT on Aug 31 on the Cape) has been set. The night launch should provide dramatic visuals for the sendoff of Ron Parise, WA4SIR, and the SAREX mission.

While Ron is tending to his duties as a Mission Specialist on the ASTRO-1 project, his amateur station will be busy acting as a Packet Radio "QSO-Robot". During his "off time" Ron will be actively making contacts on 2 Meter FM. Ron also plans to spend time communicating directly with school children across the country. A number of schools have been selected to communicate, using amateur radio, to Ron while he is in orbit. This will provide the students the opportunity to ask him questions about his mission as well as space travel in general. In a sense, the long delay of STS-35 can be viewed in a positive manner. Many of the students which will participate in Ron's "classroom visits" will be back in school and not out on vacation as would have been the case if Columbia was launched in July or early August. What a great way to start the school year!

Live Shuttle audio commencing prior to the launch and continuing throughout the entire mission of SAREX will be re-transmitted from the Amateur Radio Club Stations at Goddard Space Flight Center, Greenbelt MD (WA3NAN), the Johnson Space Flight Center, Houston, TX (W5RRR) and the Jet Propulsion Laboratory, Pasadena CA (W6VIO). Stay tuned to ANS for further details as they become available.

[ANS thanks Bill Tynan W3XO, AMSAT VP of Manned Space Programs for the information in this bulletin]
/EX
SB ALL @ AMSAT $ANS-216.06
WO-18 SPACE SCIENCE STUDIES

HR AMSAT NEWS SERVICE BULLETIN 216.06 FROM AMSAT HQ
SILVER SPRING, MD AUGUST 4, 1990
TO ALL RADIO AMATEURS BT

WEBERSAT-OSCAR-18: Space Science + OSCARs = FUN!

Curious hams often wonder if science can be fun. Combine space science with OSCARs and you get an unusual mix of exhilaration and excitement by observing a phenomenon that would be missed in normal daily life. This is what the students at Weber State University (WSU) discovered when they recently noticed that WO-18 was going to pass through a total solar eclipse as its orbit took it over Finland and Siberia. Ground controllers took advantage of this fact and quickly started to prepare to take pictures of this event using WO-18's CCD camera. It was their hope to snap a picture of the earth as WO-18 passed through the penumbra and umbra. Also, the Whole Orbit Data (WOD) telemetry mode was programmed so that solar panel array currents could be recorded and examined later. The very difficult task of planning the telemetry capture and picture taking during this event was quite taxing, however, it paid off as the WOD data revealed that WO-18 did indeed pass through the solar eclipse at the exact predicted time. The CCD camera was programmed to take eleven pictures, one every 13 seconds. The first picture was to be snapped at 02:42:35 UTC on July 22. As WO-18 came back over WSU on the next pass, an immediate dump of the telemetry showed that the their predictions had been perfect. The WOD showed a marked decrease in solar array current. But alas, no pictures were taken which accurately showed what the earth looked like during an eclipse. Although that is what WSU engineers wanted so see the most, this time it was did not happen. Not to be discouraged, in future solar eclipses, WSU engineers plan to do this again until they do snap a picture of the earth during a eclipse.

In another interesting scientific observation, the microscopic particle impact detector on WO-18 recorded a significant number of collisions during a recent meteor shower! During one day the impact detector noted eleven hits during one orbit. Normally, the impact detector only records two collisions a day! Once again, WSU engineers will be planning WOD operations during future meteor showers as they continue to study this.

Chris Williams (WA3PSD) reports that significant progress has been made in further refining picture taking strategies. WSU engineers now have a better understanding of how to use the information from photo cells to determine when WO-18's CCD camera is looking down at the earth. Also, new software algorithms to decide when to take pictures are being developed.

Finally, WA3PSD announces that WSU will be sending out a beautiful QSL card to those amateurs who have either captured telemetry or a picture from WO-18. Send your hardcopy of telemetry or data to:

WSU/CAST
Eng. Tech. Bldg., Rm #236
3850 Harrison Blvd.
Ogden, UT 84408-1805

WA3PSD joked that white pieces of paper or totally darken pictures don't count. It must be a real picture. Hi! Please include an SASE to expedite the return of your QSL card. For more information about the availability of WeberWare 1.0 which will process the image data from WO-18, contact AMSAT HQ's at (301) 589-6062.
/EX
SB ALL @ AMSAT $ANS-216.07
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 216.07 FROM AMSAT HQ
SILVER SPRING, MD AUGUST 4, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times. Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date UTC	Time	Phs	Mode	NCS	U.S. Day
07 Aug 90	0130	170	J/L	N5BF	Monday
18 Aug 90	0045	170	J/L	N5BF	Friday
28 Aug 90	0100	169	J/L	N5BF	Monday
08 Sep 90	0020	169	J/L	N5BF	Friday

Acting Operations Net Manager, Courtney Duncan, N5BF, is looking for assistance in running the net in the form of a permanent Net Manager and five or six additional net control stations. To volunteer, contact N5BF at 4522 Ocean View Blvd, La Canada, CA 91011.

For information on the amateur satellite program and how you can participate, contact AMSAT-NA at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062, or contact your local AMSAT Area Coordinator
/EX
SB ALL @ AMSAT $ANS-216.08
AO-13 TRANSPONDER SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 216.08 FROM AMSAT HQ
SILVER SPRING, MD AUGUST 4, 1990
TO ALL RADIO AMATEURS BT

A new Transponder Schedule for AO-13 was put into effect on July 3.

The present transponder schedule for AO-13 is as follows:

Mode-B : MA 003 to MA 165
Mode-JL : MA 165 to MA 190

```
         Mode-LS         : MA 190 to MA 195  (Mode S Beacon only)
         Mode-S          : MA 195 to MA 200
         Mode-BS         : MA 200 to MA 205
         Mode-B          : MA 205 to MA 240
         Off             : MA 240 to MA 003
         Omni Antennas   : MA 240 to MA 060

Cross mode B and S QSOs are possible from MA 200 to 205.

The current attitude estimate:
BLON = 207  and  BLAT = +1

AMSAT-OSCAR-10 appears to be receiving sufficient solar panel illumination to
support Mode-B transponder operations, therefore, the transponder is available
for general use whenever AO-10 is in view at your location.  Please DO NOT use
the transponder if the signals are FMing.  The current estimate of AO-10's
attitude is   LON 24 deg    LAT -9 deg.

Much activity has been heard on AO-10 centering around a popular calling
frequency of 145.910 MHz.
/EX
SB ALL @ AMSAT $ORBS-216.O
Orbital Elements 216.OSCAR

HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES
FROM N3FKV LORENA, TX      AUGUST 4, 1990
TO ALL RADIO AMATEURS BT

Satellite: AO-10
Catalog number: 14129
Epoch time:      90213.38340590
Element set:     537
Inclination:       26.0300 deg
RA of node:       191.8633 deg
Eccentricity:    0.5956580
Arg of perigee:   164.0685 deg
Mean anomaly:     229.3243 deg
Mean motion:    2.05880742 rev/day
Decay rate:      -4.00e-07 rev/day^2
Epoch rev:            5366

Satellite: UO-11
Catalog number: 14781
Epoch time:      90205.02567339
Element set:     762
Inclination:       97.9470 deg
RA of node:       256.3744 deg
Eccentricity:    0.0013301
Arg of perigee:   126.9258 deg
Mean anomaly:     233.3151 deg
Mean motion:   14.65505065 rev/day
Decay rate:       7.91e-06 rev/day^2
Epoch rev:           34136
```

```
Satellite: RS-10/11
Catalog number: 18129
Epoch time:      90213.88937181
Element set:     273
Inclination:       82.9276 deg
RA of node:       294.7635 deg
Eccentricity:    0.0011690
Arg of perigee:     0.1222 deg
Mean anomaly:     359.9925 deg
Mean motion:   13.72099926 rev/day
Decay rate:      -2.50e-07 rev/day^2
Epoch rev:           15571

Satellite: AO-13
Catalog number: 19216
Epoch time:      90207.83376489
Element set:     142
Inclination:       56.9457 deg
RA of node:       143.8599 deg
Eccentricity:    0.6997822
Arg of perigee:   232.2254 deg
Mean anomaly:      41.6809 deg
Mean motion:    2.09704260 rev/day
Decay rate:      -1.61e-06 rev/day^2
Epoch rev:            1623

Satellite: FO-20
Catalog number: 20480
Epoch time:      90210.11254104
Element set:      95
Inclination:       99.0366 deg
RA of node:       248.7026 deg
Eccentricity:    0.0540669
Arg of perigee:   313.6564 deg
Mean anomaly:      42.0895 deg
Mean motion:   12.83157781 rev/day
Decay rate:      -5.00e-08 rev/day^2
Epoch rev:            2212
/EX
SB ALL @ AMSAT $ORBS-216.D
Orbital Elements 216.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS
FROM N3FKV LORENA, TX      AUGUST 4, 1990
TO ALL RADIO AMATEURS BT

Satellite: UO-14
Catalog number: 20437
Epoch time:      90214.46984135
Element set:     189
Inclination:       98.6975 deg
RA of node:       290.4431 deg
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Eccentricity:    0.0011280
Arg of perigee:    25.1180 deg
Mean anomaly:     335.0555 deg
Mean motion:   14.28669130 rev/day
Decay rate:       6.00e-06 rev/day^2
Epoch rev:            2747

Satellite: AO-16
Catalog number: 20439
Epoch time:      90214.52630047
Element set:      99
Inclination:       98.7022 deg
RA of node:       290.6242 deg
Eccentricity:    0.0012147
Arg of perigee:    25.5608 deg
Mean anomaly:     334.6170 deg
Mean motion:   14.28772305 rev/day
Decay rate:       3.15e-06 rev/day^2
Epoch rev:            2748

Satellite: DO-17
Catalog number: 20440
Epoch time:      90214.45083661
Element set:     102
Inclination:       98.7012 deg
RA of node:       290.5603 deg
Eccentricity:    0.0012180
Arg of perigee:    26.9213 deg
Mean anomaly:     333.2600 deg
Mean motion:   14.28820055 rev/day
Decay rate:       3.28e-06 rev/day^2
Epoch rev:            2747

Satellite: WO-18
Catalog number: 20441
Epoch time:      90210.09544302
Element set:     101
Inclination:       98.7021 deg
RA of node:       286.2426 deg
Eccentricity:    0.0013063
Arg of perigee:    37.8054 deg
Mean anomaly:     322.4043 deg
Mean motion:   14.28910787 rev/day
Decay rate:       2.53e-06 rev/day^2
Epoch rev:            2685

Satellite: LO-19
Catalog number: 20442
Epoch time:      90214.49767531
Element set:     101
Inclination:       98.7012 deg
RA of node:       290.6535 deg
Eccentricity:    0.0013003
```

```
Arg of perigee:    26.2010 deg
Mean anomaly:     333.9830 deg
Mean motion:   14.28982489 rev/day
Decay rate:      -2.90e-07 rev/day^2
Epoch rev:            2748
/EX
SB ALL @ AMSAT $ORBS-216.M
Orbital Elements 216.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES
FROM N3FKV LORENA, TX      AUGUST 4, 1990
TO ALL RADIO AMATEURS BT

Satellite: SALYUT 7
Catalog number: 13138
Epoch time:      90213.75439440
Element set:     413
Inclination:       51.6012 deg
RA of node:        72.9078 deg
Eccentricity:    0.0001611
Arg of perigee:   107.0310 deg
Mean anomaly:     253.0412 deg
Mean motion:   15.67284358 rev/day
Decay rate:     4.1012e-04 rev/day^2
Epoch rev:           47199

Satellite: MIR
Catalog number: 16609
Epoch time:      90214.06942670
Element set:     830
Inclination:       51.6117 deg
RA of node:        98.9718 deg
Eccentricity:    0.0010145
Arg of perigee:   210.3673 deg
Mean anomaly:     149.5918 deg
Mean motion:   15.63769492 rev/day
Decay rate:     2.5844e-04 rev/day^2
Epoch rev:           25527

Satellite: HUBBLE
Catalog number: 20580
Epoch time:      90214.35372243
Element set:     158
Inclination:       28.4686 deg
RA of node:       315.8425 deg
Eccentricity:    0.0005845
Arg of perigee:   251.8426 deg
Mean anomaly:     108.1532 deg
Mean motion:   14.84673370 rev/day
Decay rate:      3.373e-05 rev/day^2
Epoch rev:            1484

Satellite: BADR-1
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Catalog number: 20685
Epoch time:      90215.25394096
Element set:      24
Inclination:       28.5009 deg
RA of node:       186.2510 deg
Eccentricity:    0.0535126
Arg of perigee:   319.5119 deg
Mean anomaly:      36.6840 deg
Mean motion:   14.97132608 rev/day
Decay rate:     2.0471e-03 rev/day^2
Epoch rev:             273
/EX
SB ALL @ AMSAT $ORBS-216.W
Orbital Elements 216.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM N3FKV LORENA, TX      AUGUST 4, 1990
TO ALL RADIO AMATEURS BT

Satellite: NOAA-9
Catalog number: 15427
Epoch time:      90214.30470666
Element set:     609
Inclination:       99.1702 deg
RA of node:       215.2099 deg
Eccentricity:    0.0014262
Arg of perigee:   237.9861 deg
Mean anomaly:     121.9924 deg
Mean motion:   14.12627762 rev/day
Decay rate:       2.88e-06 rev/day^2
Epoch rev:           29049

Satellite: NOAA-10
Catalog number: 16969
Epoch time:      90214.31016340
Element set:     456
Inclination:       98.5959 deg
RA of node:       241.2203 deg
Eccentricity:    0.0014303
Arg of perigee:   132.9171 deg
Mean anomaly:     227.3210 deg
Mean motion:   14.23676806 rev/day
Decay rate:       4.47e-06 rev/day^2
Epoch rev:           20117

Satellite: MET-2/16
Catalog number: 18312
Epoch time:      90213.08863250
Element set:     468
Inclination:       82.5480 deg
RA of node:       254.6954 deg
Eccentricity:    0.0012569
Arg of perigee:   119.3220 deg
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Mean anomaly:     240.9087 deg
Mean motion:   13.83665308 rev/day
Decay rate:       2.19e-06 rev/day^2
Epoch rev:           14919

Satellite: MET-2/17
Catalog number: 18820
Epoch time:      90213.00818807
Element set:     331
Inclination:       82.5469 deg
RA of node:       314.8299 deg
Eccentricity:    0.0016340
Arg of perigee:   193.8613 deg
Mean anomaly:     166.2098 deg
Mean motion:   13.84356958 rev/day
Decay rate:       2.07e-06 rev/day^2
Epoch rev:           12638

Satellite: MET-3/2
Catalog number: 19336
Epoch time:      90214.45986581
Element set:     544
Inclination:       82.5311 deg
RA of node:       244.6792 deg
Eccentricity:    0.0016232
Arg of perigee:   193.4369 deg
Mean anomaly:     166.6226 deg
Mean motion:   13.16898788 rev/day
Decay rate:       3.91e-06 rev/day^2
Epoch rev:            9704

Satellite: NOAA-11
Catalog number: 19531
Epoch time:      90214.38006495
Element set:     326
Inclination:       98.9831 deg
RA of node:       162.7448 deg
Eccentricity:    0.0012964
Arg of perigee:   148.9182 deg
Mean anomaly:     211.2741 deg
Mean motion:   14.11654711 rev/day
Decay rate:       1.99e-06 rev/day^2
Epoch rev:            9548

Satellite: MET-2/18
Catalog number: 19851
Epoch time:      90214.36519984
Element set:     278
Inclination:       82.5229 deg
RA of node:       191.6632 deg
Eccentricity:    0.0012991
Arg of perigee:   231.1114 deg
Mean anomaly:     128.8887 deg
Mean motion:   13.83990721 rev/day
Decay rate:       3.00e-08 rev/day^2
Epoch rev:            7195

Satellite: MET-3/3
Catalog number: 20305
Epoch time:      90214.44808768
Element set:     185
Inclination:       82.5546 deg
RA of node:       185.3678 deg
Eccentricity:    0.0015133
Arg of perigee:   208.9864 deg
Mean anomaly:     151.0419 deg
Mean motion:   13.15861924 rev/day
Decay rate:       3.10e-07 rev/day^2
Epoch rev:            3703

Satellite: MET-2/19
Catalog number: 20670
Epoch time:      90214.57070160
Element set:      31
Inclination:       82.5424 deg
RA of node:       251.8511 deg
Eccentricity:    0.0016551
Arg of perigee:   152.1456 deg
Mean anomaly:     208.0591 deg
Mean motion:   13.83841624 rev/day
Decay rate:       1.50e-07 rev/day^2
Epoch rev:             493
/EX
```

Tad Cook
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MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 1095061501265137172
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 06:49:28 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Summary: Nope!

Message-ID: <972@ssc.UUCP>
Date: 6 Aug 90 05:41:32 GMT
References: <31.Jul.90.10:57:43.BST.#2288@UK.AC.NWL.IA> <2824@anasaz.UUCP>
Organization: very little
Lines: 28
Posted: Mon Aug 6 06:41:32 1990

In article <2824@anasaz.UUCP>, john@anasaz.UUCP (John Moore) writes:
In general (ignoring
> the FCC's toothless statements about repeater coordination), the
> rule on a frequency is first-come, first-serve on a per-QSO basis.
> So, if a private repeater is not in use, and I strike up a conversation
> on its input with someone else, I am not in violation of ANY FCC rules.
> Now, let's say someone comes along and wants to use the repeater, so
> they get on and start talking. THEY are guilty of interference.
>

I don't think this will work. I believe this has been tried by some of
the participants in various "repeater wars", including the allegations
by the simplex operators that THEY were the ones being vicitmized by
the repeater operators.

This trick is so old, that I have not even heard of it being used since
the 1970s.

Tad Cook
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MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -3247649352562528335
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2a06411596ec9b1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 06:49:39 PST
Path: gmdzi!unido!mcsun!uunet!hfsi!bower
From: bower@hfsi.UUCP (Michael Bower Comm.)
Newsgroups: rec.ham-radio
Subject: Re: Super Morse 3.11 Program Wanted
Message-ID: <393@hfsi.UUCP>
Date: 6 Aug 90 12:01:21 GMT
References: <9008021523.AA04786@ucsd.edu> <80@towers.UUCP>
Reply-To: bower@hfsi.UUCP (Michael Bower Comm.)
Organization: Honeywell Federal Systems Inc., McLean VA.
Lines: 14
Posted: Mon Aug 6 13:01:21 1990

In article <80@towers.UUCP> brian@towers.UUCP (Brian Murrey) writes:
>I have SM315.ZIP available on my landline BBS. That is the latest verison
>that I am aware of. You can download this file by calling 317 882 9330 and
>logging in as Ham Radio, use YAGI for the password.
>

If there is aenough interest, is is possible that this could be posted in
this news group uuencoded?

```
-----------------------------------------------------------------
Michael Bower - N4NMR              Honeywell Federal Systems Inc.
e-mail: uunet!hfsi!bower                     7900 Westpark Drive.
phone:(h) 703-435-5081  (o) 703-827-3559         McLean, VA 22102
-----------------------------------------------------------------
```

From -8266356245241527l3
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eb481cf69b5e6a96
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 08:03:23 PST
Path: gmdzi!unido!mcsun!uunet!dg!lewine
From: lewine@dg.dg.com (Don Lewine)
Newsgroups: rec.ham-radio
Subject: Re: TS-940 Fan Question
Message-ID: <714@dg.dg.com>
Date: 6 Aug 90 15:03:23 GMT
References: <kaiL9Jy00Uh-40fVVC@andrew.cmu.edu>
Reply-To: uunet!dg!lewine (Don Lewine)
Organization: Data General, Westboro, MA.
Lines: 18
Posted: Mon Aug 6 16:03:23 1990

In article <kaiL9Jy00Uh-40fVVC@andrew.cmu.edu> paul+@andrew.cmu.edu (Paul J.
Dujmich) writes:
-I just bought a new Kenwood TS-940S. The manual says that the
-fan on the heatsink on the back will hardly ever come on during "normal"
-use. The manual further says that the fan will cycle on and off during
-operation. My fan is off when I first power up the radio, but once it comes
-on, it stays on. This occurs even if the transmitter is never used, and I stay
-in receive mode. The heat sink itself stays warm, even with the fan running.
-Is this *normal* ? I can't ever say that I've seen it cycle on and off.
-Do I have a problem, or is this the way they all work?
-
-Paul
-WA3TLD

My 940 (purchased in April '87) works as described in the manual. The
fan only comes on during long periods of transmit. The fan never comes
on in receive mode.

Sounds like something is wrong. Call ICOM!

```
From -2889955385596211247
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,42670b27940b1eb3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 08:12:12 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!ucsd!ucbvax!
XEROX.COM!"hugh_davies.WGC1RX"
From: "hugh_davies.WGC1RX"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Re: Buying things in the U.K.
Message-ID: <900806-073132-9399@Xerox>
Date: 6 Aug 90 14:26:09 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Mon Aug  6 15:26:09 1990
```

Paul Nix (WB5AGF)   InterNet: nix%muppet.decnet@consrt.rok.com asks;

<...I'm less sure of how to handle the money situation...>

Paul,

Most, if not all Ham places here will take credit cards. Mastercharge is called Access, Visa is called Visa or Barclaycard. They'll happily charge you in pounds sterling and the credit card companies take care of the exchange rate. It's generally an O.K. rate.

Alternatively, you could open an account at a U.K. bank. I believe Barclays operate in the US (I saw a branch in Boston, so I suppose they do.) That way you could send a cheque in pounds sterling drawn on a UK bank, but actually put money in the account in the US. (I have a very similar arrangement, only the other way round, with a bank in Philadelphia.)

73,

Hugh, G0CNR.

```
From 270589499006697960
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,42670b27940b1eb3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 08:12:52 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!
XEROX.COM!"hugh_davies.WGC1RX"
From: "hugh_davies.WGC1RX"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Re: Buying things in the U.K.
Message-ID: <900806-073519-9406@Xerox>
Date: 6 Aug 90 14:35:05 GMT
```

Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Mon Aug 6 15:35:05 1990

Paul Nix (WB5AGF)   InterNet: nix%muppet.decnet@consrt.rok.com asks about buying stuff in the UK.

I forgot; MAKE SURE YOU GET THE VAT BACK!!!!

All the prices you see in RadCom include 15% Value Added Tax, which as a non-resident of the UK you are entitled to reclaim. It's a tedious procedure, but on a $1000 rig, very worthwhile.

When you order the stuff, make sure the retailer includes a VAT reclaim form. This needs to be stamped by the US Customs to prove the stuff's been imported into the USA (or more precisely, *exported* from the UK), and then returned to the UK Customs. They in turn will send you your money back.

There may be a lower limit on the amount you can do this on - I think it's a retail price of #50.

73,

Hugh, G0CNR.

From -1226542410913424869
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 08:33:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <16856@ucsd.Edu>
Date: 6 Aug 90 15:02:45 GMT
References: <31.Jul.90.10:57:43.BST.#2288@UK.AC.NWL.IA> <2814@anasaz.UUCP> <969@ssc.UUCP>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 38
Posted: Mon Aug 6 16:02:45 1990

Most of you people don't know what real repeater wars are like. Early in my ham career (i.e., 20 years ago) , there were several of them in the Los Angeles area that were famous as far as way as San Diego.

Simplex on the input? Child's play. What really cured repeaters in those days were chainsaws.

Seems that someone decided (pre-coordination, pre-ARRL-discovering FM, pre-ricebox radios) that despite the hundreds of simplex operators on

146.76, Los Angeles needed a 16-76 repeater, since, after all, that was a national repeater channel.

As the Chronicles of 76 report it, one day it went off the air. Upon arrival at the site, the owner found that the power and coax cables to his phone-pole-mounted outdoor cabinet had been chopped.

A few weeks later, it went off the air because all the tubes had been removed and smashed.

Finally, a few weeks after that, it went off the air because the cabinet had been cut in half vertically with a chainsaw, and the phone pole chopped into fireplace-sized chunks.

To this day, there is no 16-76 repeater in LA. And the coordinating committee has ALWAYS considered the simplex people when allocating channels. They never put a repeater on 34-94 for the same reasons. (A few years later the Mexican's clanked on 94 and 76 with their own repeaters, but that's a different story.)

No one was ever prosecuted for that stuff that I heard of, but one of the guys we guessed might be the one (no evidence; it just seemed his kind of thing) spent some time in the pokey on some unrelated charges, and later some time in outpatient treatment. He's dead now - private plane crash, I'm told.

Think of it as a saga of the Old West, ham style. Nowadays we just patch up the bulletholes in the buildings.
     - Brian

From 3745788704515262330
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db7de8f93f78ff30
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 08:34:05 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!select.enet.dec.com!magid
From: magid@select.enet.dec.com (Joel Magid...)
Newsgroups: rec.ham-radio
Subject: Re: test
Message-ID: <14279@shlump.nac.dec.com>
Date: 6 Aug 90 14:43:45 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 7
Posted: Mon Aug 6 15:43:45 1990

In article <3818@crash.cts.com>, harpo@pnet01.cts.com (Michael Harp) writes...

>I plan on taking the novice exam in the next couple of weeks. I have a
>question, is it a good idea to take the technician element at the same time?
>

Go for it the test is only 25 questions and should be a snap if you spend about 2-3 hrs studying.

From -4317077405328190525
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6689244f30762af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 08:34:51 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: Communicator Class
Message-ID: <82@thoreau.nsc.com>
Date: 6 Aug 90 13:22:57 GMT
References: <9007260548.AA16565@tecnet1.jcte.jcs.mil> <80@thoreau.nsc.com> <1990Aug4.002738.14000@bellcore-2.bellcore.com>
Organization: National Semiconductor, S. Portland, Maine
Lines: 40
Posted: Mon Aug 6 14:22:57 1990

You missed it Phil, the exam does not fully make the HAM. Think back to that first QSO you had, sweaty palms, nervous stomach and a jitters so bad you couldn't even hit the xmit button square. These people need a place to "paractice" (don't give me that c*** about perfect practice) without banging up the rest of the system. That was the intent of the segregated bands for Novice and Tech licences and should be for the Communicator licences. When they want more frequencies then let them get a full Technician ticket and have full Technician privilages.

If they want to "communicate" then they will keep Communicator class licences, if they want something more then they should get a class of licence which is intended to do more.

There is still a big identification crisis with this Communicator class licence particularly when they want to eliminate existing levels of licences and merge privilages the way it has been proposed.

I would love to see privilages for an entry level class which INCLUDES hf CW without requiring the current Morse test scenerio. It would go a long way toward building a strong HAM fraternity. I like the idea of being able to atleast send some Morse rather than just receive, heck, are we trying to licence SWLs??

Tell me, Phil. Are you of the opinion that ALL Communicators are going to want to jump right in and be TCP/IP priests and are going to behave the way 13cm weak signal jocks do? Will you admit that the vast majority of these Communicators will want to "communicate" and will probably act like CBers and HFers?

I am not going to claim that there will be hordes of Elmers waiting for these new HAMS but there will be a few and they will help and the word will spread and there will be a reasonable number who will upgrade for more privilages, for personal satisfaction and to protect their investment. Be practical, yes, they are HAMS, many will act like HAMS and more will not act like HAMS. I'll do my part to guide or convert those I contact but PLEASE, because of the probable nature of the majority of these new HAMS don't let them mess up an already shakey band.

Ron K3FR

From -101799977889350599
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 08:43:02 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: DSP beats CW (was: Qualification-based licensing)
Message-ID: <16859@ucsd.Edu>
Date: 6 Aug 90 15:15:30 GMT
References: <30500651@ux1.cso.uiuc.edu> <16831@ucsd.Edu> <26426@usc.edu>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 24
Posted: Mon Aug 6 16:15:30 1990

In article <26426@usc.edu> kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
>But this technology is not available anyplace except the research lab at
>the present time. Therefore, CW still holds a strong advantage. When
>this technology makes it onto the market, and is published about in the
>amateur magazines (fat chance of that in the USA), then I will agree
>with you. I still don't know anything about this technology, except
>that people have claimed that it exists, because it's not my field. I
>would like to know more. Perhaps you can point me to a couple of papers?

Certainly you won't read much about DSP in QST until it's being advertised in the back. However, it's been discussed here on the net, at various ARRL conventions and specialized conferences, and quite a bit in the electronics literature. I first read about it in Ham Radio (RIP) magazine.

There is a DSP mailing list; there are experimenter's kits for DSP, and I've seen demos of a reasonably complete DSP system at local ham clubs. I seem to recall someone is going to give a talk on it at the SW Div ARRL convention three weeks from now. Even the ARRL Handbook talks about it a bit, although not in any useful manner.

In the 'hamradio' anonymous FTP area on UCSD there are a number of dsp programs.
          - Brian

From 1398843218824087921

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e5828437963dfe4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 08:57:38 PST
Path: gmdzi!unido!mcsun!uunet!lupine!hansen!phil
From: phil@hansen.Berkeley.EDU (Phil Graham)
Newsgroups: rec.ham-radio
Subject: Re: Should I become a ham now or wait?
Message-ID: <1102@lupine.NCD.COM>
Date: 6 Aug 90 15:57:38 GMT
References: <1990Jul25.140643.25493@chinet.chi.il.us> <7880229@hpfcdc.HP.COM>
<477@wicat.UUCP>
Sender: news@NCD.COM
Reply-To: phil@hansen.Berkeley.EDU (Phil Graham)
Lines: 39
Posted: Mon Aug 6 16:57:38 1990

In article <477@wicat.UUCP>, keithm@wicat.UUCP (Keith McQueen) writes:
|> >Don't wait. Do it now! Morse code *will* improve your sex life,
|> >guaranteed. You'll see!
|>
|> But the hours that it takes to learn it won't! When I took the time
|> to learn the code, my wife was NOT happy. Not only that, she HATES
|> even hearing the code. Even a short repeater ID out of the handie
|> almost always results in a comment of "You're beeping again...".
|>
|> The only way I can operate code in my house is to either use headphones
|> or just plug the audio into the pk232 and not even listen to it.
Hmmmmmmm....
When I was going from 5 to 13 WPM for my General I practiced every night
for 20 to 30 minutes... +MY+ wife never complained... In fact she
encouraged it... She saw that Ham radio is a +GOOD+ thing. What she
liked is listed below:
     - Cheaper than a shrink. Ham Radio is very good relaxation and if you
have a high stress job becomes a haven.
     - When I am playing with radios, I AM NOT doing the following:
          - Drinking
          - Running around with the guys
          - Running around with another woman
          - (aka she knows where I am)
     - I can be interupted and I can do something with her.
          (I may need 15 minutes to finish a QSO, but that is OK)
     - It is fantastic for emergencies. When the big quake hit in October 89
she turned on the 2 meter radio in the car and could hear all of of the
HAM people that she had meet at club breakfasts and dinners. This gave
her the feeling that she was not alone even though I was 6 thousand
miles away in Taiwan. If she got into a life/death situation she could
+USE+ the radio to save her or someone else! (No flames on this...
Sheesshhh)...

So explain some of these things to your YL/XYL and see if she becomes
more +BEEP+ tollerant!

DE KJ6NN
Phil

From -5024931382257764982
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 09:11:49 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: DSP beats CW (was: Qualification-based licensing)
Message-ID: <16861@ucsd.Edu>
Date: 6 Aug 90 15:30:22 GMT
References: <16831@ucsd.Edu> <26426@usc.edu> <16859@ucsd.Edu>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 199
Posted: Mon Aug 6 16:30:22 1990

In article <26426@usc.edu> kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
>I would like to know more. Perhaps you can point me to a couple of papers?

Oops, sorry, you wanted some citations. Most of these are popular
journals, so it's your library will have them; if not, the UCSD
libraries have most of them and you're welcome to come and browse if
you're in town for the ARRL convention.

These are only recent articles; our on-line current contents catalog
only goes back a year or two.
- Brian

[PS: I eliminated the articles on a shellfish poison called DSP.]

4. MOSCOVITZ HS; BAJEKAL SG; BULLMAN WR; CARELLI JA; and others.
   AUTOMATED DSP DESIGN TECHNIQUES AT AT-AND-T-BELL-LABS.
   ELECTRONIC ENGINEERING, 1990 JUN, V62 N762:29+.

5. BLOKKEN E; DEKEULENAER H; CATTHOOR F; DEMAN HJ.
   A FLEXIBLE MODULE LIBRARY FOR CUSTOM DSP APPLICATIONS IN A MULTIPROCESSOR ENVIRONMENT.
   IEEE JOURNAL OF SOLID-STATE CIRCUITS, 1990 JUN, V25 N3:720-729.

6. JANSSEN JHM; VONBOKHORST AM.
   TELEPHONE HYBRID WITH AN AUTOMATIC DUAL DSP FEEDBACK CANCELER.
   JOURNAL OF THE AUDIO ENGINEERING SOCIETY, 1990 MAY, V38 N5:355-363.

7. CORDEN IR; CARRASCO RA.
   AN EFFICIENT DSP QPSK MODEM ALGORITHM EXTENDED TO A PARALLEL STRUCTURE.
   INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING EDUCATION, 1990 APR, V27 N2:119-131.

8. GALLANT J.
PLUG-IN DSP BOARDS.
EDN, 1990 APR 26, V35 N9:142+.

9. MOSELY J.
WHOS WHO IN DSP.
ELECTRONICS WORLD & WIRELESS WORLD, 1990 MAY, V96 N1651:412-417.

10. DEMAN H; CATTHOOR F; GOOSSENS G; VANHOOF J; and others.
ARCHITECTURE-DRIVEN SYNTHESIS TECHNIQUES FOR VLSI IMPLEMENTATION OF DSP ALGORITHMS.
PROCEEDINGS OF THE IEEE, 1990 FEB, V78 N2:319-335.

13. GOODENOUGH F.
DELTA-SIGMA DACS AND ADCS MEET DSP.
ELECTRONIC DESIGN, 1990 APR 12, V38 N7:16-16.

14. GOODENOUGH F.
MULTIPLY ANALOG VOLTAGES WITH MIXED-SIGNAL DSP.
ELECTRONIC DESIGN, 1990 APR 12, V38 N7:35+.

15. WILLIAMS T.
DSP DEVELOPMENT TOOLS RUN IN X-WINDOW SYSTEM ENVIRONMENT.
COMPUTER DESIGN, 1990 APR 1, V29 N7:115-115.

16. MYRVAAGNES R.
AD HOC DSP CORE SYNTHESIZED IN GATE ARRAY.
ELECTRONIC PRODUCTS MAGAZINE, 1990 APR, V32 N11:15-15.

17. KEELING N; AHLUWALIA K.
SPOX - A HIGH LEVEL APPROACH TO DSP.
ELECTRONIC ENGINEERING, 1990 MAR, V62 N759:77+.

18. YAGER C.
INTERFACE FAST DSP CHIP INEXPENSIVELY.
ELECTRONIC DESIGN, 1990 MAR 8, V38 N5:90-90.

20. GOERING R.
DSP TOOLS - HAMMERING OUT NEW SOLUTIONS.
HIGH PERFORMANCE SYSTEMS-THE MAGAZINE FOR TECHNOLOGY CHAMPIONS, 1990 FEB, V11 N2:20+.

21. GOERING R.
DSP - DIRECTORY.
HIGH PERFORMANCE SYSTEMS-THE MAGAZINE FOR TECHNOLOGY CHAMPIONS, 1990 FEB, V11 N2:33-37.

22. KOLE RE.
OPTIMIZING COMPILER EXPLOITS DSP FEATURES.
HIGH PERFORMANCE SYSTEMS-THE MAGAZINE FOR TECHNOLOGY CHAMPIONS, 1990 FEB, V11 N2:40+.

23. TITCHENER P; HERLITZ L; BARRERA B.

SPECIALIZED LIBRARIES EASE COMPLEX DSP DESIGN.
HIGH PERFORMANCE SYSTEMS-THE MAGAZINE FOR TECHNOLOGY CHAMPIONS, 1990 FEB, V11 N2:47-51.

24. FRANKEL RE.
OPERATING SYSTEM BOOSTS DSP PERFORMANCE.
HIGH PERFORMANCE SYSTEMS-THE MAGAZINE FOR TECHNOLOGY CHAMPIONS, 1990 FEB, V11 N2:52+.

25. HASSAPIS GD.
A MULTIPLE DSP ENVIRONMENT FOR ON-LINE SIGNATURE ANALYSIS OF PLANT INSTRUMENTATION.
IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, 1990 FEB, V39 N1:126-128.

26. KESTER W.
FLASH-ADC TESTING .2. DSP TEST TECHNIQUES KEEP FLASH ADCS IN CHECK.
EDN, 1990 JAN 18, V35 N2:133+.

30. HERLITZ L; TITCHENER P; COLES J.
AUTOMATING THE DESIGN PROCESS FOR DSP ASICS.
HIGH PERFORMANCE SYSTEMS-THE MAGAZINE FOR TECHNOLOGY CHAMPIONS, 1989 DEC, V10 N12:72+.

31. MIRABELLA O; MUNI S; SBERNA G.
REALTIME DSP-BASED SYSTEM FOR SPECTRAL ANALYSIS.
MICROPROCESSORS AND MICROSYSTEMS, 1989 DEC, V13 N10:659-665.

32. HAGIWARA M; NAKAGAWA M.
DSP TYPE NOVEL PHASE SYNCHRONIZER WITH THE METHOD OF LEAST SQUARES.
IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, 1989 NOV, V35 N4:814-819.

33. DONLIN M.
DSP BOARD OFFERS 33-MFLOPS PERFORMANCE, REAL-TIME OS.
COMPUTER DESIGN, 1989 DEC 1, V28 N23:100-100.

34. DONLIN M.
DSP DEVELOPMENT BOARD POSTS 50-MFLOPS PERFORMANCE.
COMPUTER DESIGN, 1989 DEC 1, V28 N23:104-104.

35. BROWN A.
DSP DESIGN WITH DADISP.
ELECTRONICS & WIRELESS WORLD, 1989 DEC, V95 N1646:1151-1153.

36. BAYOUMI MA; YANG CH.
RECONFIGURABLE TESTABLE BIT-SERIAL MULTIPLIER FOR DSP APPLICATIONS.
IEE PROCEEDINGS-E COMPUTERS AND DIGITAL TECHNIQUES, 1989 NOV, V136 N6:517-523.

37. BURSKY D.
TIGHT HEAD TRACKING, DSP ANALYSIS HELPS 8-IN DRIVE PACK 2.5 GBYTES.
ELECTRONIC DESIGN, 1989 NOV 9, V37 N23:32-32.

38. CREAMER D; WEBB MK.
OPTIMIZE DATA FLOW IN DSP IMAGING APPLICATIONS.
ELECTRONIC DESIGN, 1989 NOV 9, V37 N23:103+.

39. LEE EA; HO WH; GOEI EE; BIER JC; and others.
GABRIEL - A DESIGN ENVIRONMENT FOR DSP.
IEEE TRANSACTIONS ON ACOUSTICS SPEECH AND SIGNAL PROCESSING, 1989 NOV, V37 N11:1751-1762.

40. PALACHERLA A.
DSP-MU-P ROUTINE COMPUTES MAGNITUDE.
EDN, 1989 OCT 26, V34 N22:225-226.

41. GABAYAN Y.
DSP MU-P EXTRACTS MEAN AND VARIANCE.
EDN, 1989 OCT 12, V34 N21:205-206.

42. LEONARD M.
U-INTERFACE TRANSCEIVER INTEGRATES ANALOG AND DSP.
ELECTRONIC DESIGN, 1989 OCT 12, V37 N21:45-48.

43. ROSENBLATT A.
THE DSP-CONTROLLER MARRIAGE HAS EM PURRING.
ELECTRONICS, 1989 OCT, V62 N10:120-120.

44. RICHARDS DS.
OCCASIONAL PAPERS OF THE SCHOOL-OF-ABBASID-STUDIES - JACKSON,DSP.
JOURNAL OF SEMITIC STUDIES, 1989 SPRING, V34 N1:226-227.

45. GUNN L.
DSP UPROOTS TRADITIONAL ANALOG JOBS.
ELECTRONIC DESIGN, 1989 SEP 28, V37 N20:49+.

47. MURAKAMI T; KAMIZAWA K; KAMEYAMA M; NAKAGAWA SI.
A DSP ARCHITECTURAL DESIGN FOR LOW BIT-RATE MOTION VIDEO CODEC.
IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS, 1989 OCT, V36 N10:1267-1274.

49. JOHNSON M.
A FIXED-POINT DSP FOR GRAPHICS ENGINES.
IEEE MICRO, 1989 AUG, V9 N4:63-77.

52. BURSKY D.
DSP DESIGN TOOLS COULD CONVERT IDEAS TO ICS.
ELECTRONIC DESIGN, 1989 JUL 13, V37 N15:32-32.

53. NOVELLINO J.
PCS TAKE THE REINS AS DSP DESIGN TOOLS.
ELECTRONIC DESIGN, 1989 JUL 13, V37 N15:47+.

54. DONLIN M.
NEXT-GENERATION DSP CHIP BOASTS 35-NS INSTRUCTION CYCLE.
COMPUTER DESIGN, 1989 JUL 1, V28 N13:86-86.

55. LANDETA D; MALINOWSKI CW; OLMSTEAD C.
      SIGNAL PROCESSING USING RTX PROCESSORS AND DSP ACCELERATOR ICS.
      ELECTRONIC ENGINEERING, 1989 JUN, V61 N750:91+.

57. SIDAHMED MA.
      2S-COMPLEMENT SYSTOLIC ARRAY MULTIPLIER WITH APPLICATIONS TO DSP HARDWARE.
      INTERNATIONAL JOURNAL OF ELECTRONICS, 1989 APR, V66 N4:507-518.

```
From -6566901607246038924
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 10:24:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!sdd.hp.com!hplabs!
hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: extra exam matter Re: Qualification-based licensing
Message-ID: <18230025@hpfcdj.HP.COM>
Date: 6 Aug 90 17:24:00 GMT
References: <10437@crdgw1.crd.ge.com>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 34
Posted: Mon Aug  6 18:24:00 1990
```

>Test-taking is a learning skill, too, though, isn't it? Do you truly
>believe that most of the people who pass the upper-level written exams
>do so by blatant memorization, and then forget everything as they accept
>their certificate of completion? I certainly hope that this is not true.
>Particularly with the Advanced class written, I learned quite a bit,
>even about the parts I flat-out memorized.

Certainly test-taking is a skill, but it's one whose bearing on the proper operation of an amateur station is marginal at best. And I don't know if "most" of the people who pass the upper-level writtens forget everything, but I've met plenty of Extras who I personally would not want teaching too many newcomers. I remember taking my Novice test, way back when, from an Extra who marked my answer to the following question as "wrong":

Question: How many times per second does a 60 Hz AC voltage pass through zero?

I'd answered "120", and try as I might, I couldn't convince this guy that the correct answer WASN'T "60"! And THIS was supposed to be an example of the All-Powerful-All-Knowing-Amateur-Extra?!??! Didn't make much of an impression on this Novice-to-be, let me tell you.

No, I don't hold an Extra today; I've no interest in DXing, and the slight extra bandspace isn't worth taking a 20 WPM test. I don't consider myself the technical inferior of the majority of Extras, though, and I DO know a number of Tech licensees that I consider just short of Maxwell and Edison in the technical hierarchy. Let's dump "punishment licensing" (as Wayne Green used to call it) as soon as we can!

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
myers%hpfcla@hplabs.hp.com               |  sentient life-form on this planet.
```

From 2412883845322774282
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 11:30:16 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: DSP beats CW (was: Qualification-based licensing)
Message-ID: <10811@crdgw1.crd.ge.com>
Date: 6 Aug 90 16:37:12 GMT
References: <16831@ucsd.Edu> <26426@usc.edu> <16859@ucsd.Edu> <16861@ucsd.Edu>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 21
Posted: Mon Aug 6 17:37:12 1990
In-reply-to: brian@ucsd.Edu (Brian Kantor)

In article <16861@ucsd.Edu>, brian@ucsd (Brian Kantor) writes:

```
>In article <26426@usc.edu> kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
>>I would like to know more.  Perhaps you can point me to a couple of papers?
>
>These are only recent articles; our on-line current contents catalog
>only goes back a year or two.
>             - Brian
>
>[PS: I eliminated the articles on a shellfish poison called DSP.]
```

    <list of articles>

Nice list of articles on DSP, but from scanning the titles, nothing dealing with how you could use it decode a signal so weak that you couldn't even hear it if it was CW (as stated in the first DSP vs CW posting).

-don perley

perley@trub.crd.ge.com

From -1921638963574391417

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c1687312e470a66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 12:02:32 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Phonetics for NJ6A (Was: Re: What to do with N0MFW?)
Message-ID: <1250210@hpnmdla.HP.COM>
Date: 6 Aug 90 19:02:32 GMT
References: <1990Aug3.030431.28804@cunixf.cc.columbia.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 10
Posted: Mon Aug 6 20:02:32 1990

>O.k. Gerald, maybe you should set up a service.....but I wonder if you can
>find phonetics for this one: N6ZFX (I already scanned the dictionary).

"Zipper Flipper X-traordinaire"

Al N1AL

From 9178063635892174497
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17eead9df86d6d35
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 12:34:52 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!sdd.hp.com!hplabs!hpl-opus!hpnmdla!hpsadle!mikef
From: mikef@hpsadle.HP.COM (Mike Ferrara)
Newsgroups: rec.ham-radio
Subject: Re: Spice models for NEC u-wave FETS
Message-ID: <1530051@hpsadle.HP.COM>
Date: 6 Aug 90 19:34:52 GMT
References: <375@fe2o3.UUCP>
Organization: HP Signal Analysis Division - Rohnert Park, CA
Lines: 15
Posted: Mon Aug 6 20:34:52 1990

Cal Eastern labs will supply spice models for a few of it's GaAs FETS.
I know they've got data for the NE710. If you can't get it from them,
write me, I'll dig it out. The model in Spice3c1 isn't too good, it's
based on Statz, et al, and has significant limitations. Make sure you
read the papers before plugging in and running.

```
  Mike Ferrara M/S 2LRR
  HP Signal Analysis Div R&D
  1212 Valley House Drive
  Rohnert Park, CA 94928
  (707) 794-4479
  mikef%hpsadle@hp-sde.sde.hp.com
  mikef@hpsadle.hp.com


From -7769435015073156026
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e5828437963dfe4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 12:49:01 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!umich!samsung!sdd.hp.com!hplabs!hpfcso!
hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Should I become a ham now or wait?
Message-ID: <7880237@hpfcdc.HP.COM>
Date: 6 Aug 90 19:49:01 GMT
References: <9007261811.AA21774@ucsd.edu>
Organization: HP Fort Collins, Co.
Lines: 13
Posted: Mon Aug  6 20:49:01 1990

>> Morse code *will* improve your sex life, guaranteed.
> ...Not only that, she HATES even hearing the code.

(Shhh!  There are prospective Novices listening!  We gotta keep up the
illusion!)

Yes, it REALLY WILL make you more attractive to the opposite sex.  The
first time you tell them their name in The Code, why, they'll be BEGGING
you to spend some time alone.  Try it!  You'll see!
--------------

(OK, OK, you know it's not stimulating, and I know it's not stimulating,
but...  it's not chicken pox either.)


From -9208384988806385311
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a53349bc6ae192e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 13:00:49 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!
mailrus!umich!samsung!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Advice for new amateur (Yaesu 2m HT)
Message-ID: <7880238@hpfcdc.HP.COM>
Date: 6 Aug 90 20:00:49 GMT
```

References: <115596@linus.mitre.org>
Organization: HP Fort Collins, Co.
Lines: 17
Posted: Mon Aug 6 21:00:49 1990

> Any of the current handhelds are ok, but not in the car.

Actually, with a decent rubber duck antenna my FT411 works pretty well in my Datsun around town, especially if I plug into 12V and set high power (5.5W). Not nearly as well as with an external antenna, of course, but quite usable.

> You will find that the audio is not loud enough to listen to comfortably
> over the road noise...

Easy fix. Buy a couple of "ear buds" (for example, Koss, ~$5 at WalMart) and a stereo to mono adapter. (I have to turn the volume way DOWN to use them...) You can hear outside noise just fine with them on.

> The best car antenna is a 5/8 wave mounted in the center of the top.

However, a 1/4 wave is a heckuva lot shorter and nearly as good.

From -9077177393896564273
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 13:03:59 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!carafe.enet.dec.com!goldstein
From: goldstein@carafe.enet.dec.com (Fred R. Goldstein)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <14291@shlump.nac.dec.com>
Date: 6 Aug 90 17:42:50 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 19
Posted: Mon Aug 6 18:42:50 1990

In article <1990Aug2.235220.3366@NCoast.ORG>, allbery@NCoast.ORG (Brandon S. Allbery KB8JRR) writes...
>Phil, what is the practical difference between the suggestion above and the
>current situation when a person upgrades but keeps his old call sign? Whether
>it's called a "class" or an "accreditation" or etc. doesn't much matter.

Brandon, it was I and not phil who proposed that the CSCE be kept with a 30 day suffix. The difference is that changing your license class requires the FCC to update the main computer files and send you a new form 660 with a new expiration date, etc. A CSCE need merely be kept in a list for enforcement purposes, so when somebody is heard in a band that requires a CSCE, the FCC can look it up if they care. It _may_ be a bureaucratic shortcut, and the FCC is looking for that sort of thing.

fred k1io

```
Fred R. Goldstein   goldstein@carafe.enet.dec.com
                 or goldstein@delni.enet.dec.com
                    voice:  +1 508 486 7388
```

From 5482938262461436568
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e046d65d8c933f7a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 13:08:00 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!samsung!crackers!cpoint!frog!john
From: john@frog.UUCP (John Woods)
Newsgroups: rec.ham-radio
Subject: 910MHz equipment of note
Summary: "DAK now selling ham radio equipment (sort of)?"
Message-ID: <17446@frog.UUCP>
Date: 6 Aug 90 20:08:00 GMT
Organization: Misanthropes-R-Us
Lines: 16
Posted: Mon Aug 6 21:08:00 1990

I admit to not being up-to-date on the status of the 900MHz band, but assuming that there's still a place for ATV there, I saw something in the most recent DAK catalog that might be of interest.

They are now selling a gadget that attaches to your cable hookup or VCR (or other video source) and broadcasts it (via 910-918MHz) to a small receiver that you can attach to your TV. I know nothing about it other than the fluff DAK used to describe it, but it sounds like it might be a reasonably cheap ($105 for the set) way to build a 900MHz ATV exciter. It shouldn't be too hard to move it within the amateur band (I would hope).

The flip side of this is that shortly your neighbors may be filling the entire 910-918 Part 15 band with Three's Company...

--

John Woods, Charles River Data Systems, Framingham MA, (508) 626-1101
...!decvax!frog!john, john@frog.UUCP, ...!mit-eddie!jfw, jfw@eddie.mit.edu

From -3884682084629343342
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,244a220171259961,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 13:21:34 PST
Path: gmdzi!unido!mcsun!uunet!samsung!umich!caen!wailea.engin.umich.edu!pha
From: pha@caen.engin.umich.edu (Paul H. Anderson)
Newsgroups: rec.ham-radio
Subject: Mods/info wanted for Ten Tec Omni-D

Message-ID: <1990Aug6.181941.21507@caen.engin.umich.edu>
Date: 6 Aug 90 18:19:41 GMT
Sender: news@caen.engin.umich.edu (CAEN Netnews)
Reply-To: peacock@dover.sps.mot.com
Organization: The University of Michigan, Ann Arbor
Lines: 29
Posted: Mon Aug 6 19:19:41 1990

The following message has been forwarded: please direct
responses to don at the addresses listed below - thanks!

From: peacock@dover.sps.mot.com (Don Peacock)

Subject: 4mMods/info wanted for Ten Tec Omni-Dm
Message-ID: <2363@dover.sps.mot.com>
Date: 3 Aug 90 22:59:51 GMT
Reply-To: peacock@dover.sps.mot.com.UUCP (Don Peacock)
Organization: Motorola SPS, Mesa, AZ
Lines: 17

I recently passed my novice and Tech test (haven't recieved them yet).
I purchased a Ten Tex Omni-D and have been listening to you all talk.
I would like to find mods for this rig, even though I wouldn't use them for
a while. I have the 10mhz transmit and WARC transmit mods from Ten Tec,
(Ten Tec IS as good at customer service as you have heard). Any mods,
or war stories would be appreciated. The rig seems to receive fine, and
all the built in filters are terrific (especially the CW ones) but I think
it could use some help in the SSB audio department. Anyone have any nice
audio filter/speaker projects that might help me out ?

Thanks
Don Peacock
peacock@dover.sps.mot.com
donp@caen.engin.umich.edu

callsign **7*** :-) What do I do with that one!

From -415316805877187227
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db7de8f93f78ff30
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 13:25:17 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: test
Message-ID: <7880239@hpfcdc.HP.COM>
Date: 6 Aug 90 20:25:17 GMT
References: <3818@crash.cts.com>
Organization: HP Fort Collins, Co.
Lines: 15

Posted: Mon Aug 6 21:25:17 1990

> I plan on taking the novice exam in the next couple of weeks.

Good luck!

> I have a question, is it a good idea to take the technician element at
> the same time?

It is a good idea, once you pass a test element, to attempt the next
level, if time permits and the examiners don't mind. For instance, when
I passed the Tech two months ago, 100% after thorough studying, I gave
the General exam a shot with zero preparation -- and only missed it by
two questions. If I'd passed it, I'd have had incentive to bone up on
code and upgrade within a year.

Don't burn yourself out studying, however.

From -6432011162024232651
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,40db9f57f77e1234,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 13:27:18 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!mailrus!cornell!uw-beaver!ubc-cs!alberta!herald.usask.ca!weyr!katz
From: katz@weyr.FIDONET.ORG (sylvan katz)
Newsgroups: rec.ham-radio
Subject: Encoded serial number to replace QSL's to confirm DXCC etc QSOes.
Message-ID: <744.26BE6052@weyr.FIDONET.ORG>
Date: 6 Aug 90 20:27:18 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 20
Posted: Mon Aug 6 21:27:18 1990

Has anyone given thought to using a computer generated number which
a DX station would send along with the RST/RS to confirm that a
contact had been made. This would be used to replace the QSL cards
and the associated delays and costs.
Perhaps, the DX station could receive an encryption key which is hashed
against the call sign of the station worked, band and time. An algorithm could
then generate an encrypted confirmation number. All
that would be needed for an award would be a list of stations worked
and the encrypted confirmation number. The awarding agency could verify
the authenticity of the contact through the encrypted confirmation
number. Any thoughts on this is idea ... OR for that matter any
thoughts about the nature of the cypher algorithm?
73's --- VE5ZX (op syl) soon to be G0/VE5ZX

--
Sylvan Katz   Ham: VE5ZX
203 Ball Crescent   UUCP: ...!alberta!dvinci!weyr!katz

Saskatoon, Sask   Internet: katz@weyr.FIDONET.ORG
Canada S7K 6E1   Ham bands: below 14.025/21.025/28.025 @ 0100-0300Z
(306) 934-3168

From -6642800333192455255
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ad4f1f9a128a73aa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 14:13:52 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cornell!rochester!kodak!eastman!kodak.com
From: harding%b56vxg.dnet@kodak.com (Jon Harding x75944 mc23302)
Newsgroups: rec.ham-radio
Subject: Re: What to do with N0MFW?
Message-ID: <1301@eastman.UUCP>
Date: 6 Aug 90 17:38:22 GMT
Sender: usenet@eastman.UUCP
Organization: Eastman Kodak Company, Rochester NY
Lines: 10
Posted: Mon Aug 6 18:38:22 1990

In article <1250206@hpnmdla.HP.COM>, alanb@hpnmdla.HP.COM (Alan Bloom) writes...
>>Ok, John, you did so well on your first assignment, now you get to work over a
>>more difficult call sign. Yup,you guessed it, it's mine. A really nifty one
>....
>>Oh, ya, my super-duper, hum-dinger call is -------> WB6WUI
>
how about WB6"triple-you-eye"

Jon Harding N2KZJ "I don't represent KODAK in word or deed."

From -4341128446119755182
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae1c40a2435ccd6a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 14:13:55 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cornell!rochester!kodak!eastman!kodak.com
From: harding%b56vxg.dnet@kodak.com (Jon Harding x75944 mc23302)
Newsgroups: rec.ham-radio
Subject: Re: #Info Request for Ham HT's and Scanners
Message-ID: <1302@eastman.UUCP>
Date: 6 Aug 90 17:48:05 GMT
Sender: news@eastman.UUCP
Organization: Eastman Kodak Company, Rochester NY
Lines: 19
Posted: Mon Aug 6 18:48:05 1990

In article <9007310442.AA09777@trout.nosc.mil>, wen@pro-sat.cts.com (System Administrator) writes...
>I want to buy a HT for 2 and/or 1 1/4 mtrs with versatile scanning capablility
*

I'm crazy about my ICOM-24AT: good transciever, good scanner(police, fire and some unmentionabe stuff around 800MHz),light, and lasts faily well on portable power.

*

>I also just bought the Radio Shack PRO-34 scanner, but am not particularly

*

I bougtht a PRO-33 on sale and then traded up to a PRO-34, (when it went on sale), I like it a whole lot better than the "33" but and case isn't a problem since I use it mostly in the shack. A soft case shouldn't be hard to come by. I have read that the audio isn't that great, but inside an external speaker is fine, (DAMARK had a pair of small speakers for $20), and outside I use an earphone so I can hear the audio above the racket and conserve power.

*

```
-------------------------------------------------------------------------------
     Jon Harding N2KZJ  "I don't represent KODAK in word or deed."
-------------------------------------------------------------------------------
```

From 5567391598305844119
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,50919ed9513d5834,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 14:49:03 PST
Path: gmdzi!unido!mcsun!uunet!sco!hiramc
From: hiramc@sco.COM (Hiram Clawson)
Newsgroups: rec.ham-radio
Subject: Solar Eclipse, July 1991
Message-ID: <8798@scorn.sco.COM>
Date: 6 Aug 90 21:49:03 GMT
Sender: news@sco.COM
Reply-To: hiramc@sco.COM (Hiram Clawson)
Organization: The Santa Cruz Operation, Inc.
Lines: 10
Posted: Mon Aug 6 22:49:03 1990

I would be interested in communicating with any Radio Amateurs who are interested in the Solar Eclipse next year, July 1991. I will be going to the eclipse in Baja California, with a mobile HF rig, and it might be useful to have a network operating to pass along information leading up to, and during the eclipse. Perhaps a weekend network on 20 meters? Ideas anyone?

--Hiram   [uunet!sco!hiramc || hiramc@sco.COM]
WB6RSS
P.O. Box 3178, Santa Cruz, CA 95063-3178

From -4662386486542130369
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 15:05:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!

phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <30500661@ux1.cso.uiuc.edu>
Date: 6 Aug 90 22:05:00 GMT
References: <LPX&-WM@splut.conmicro.com>
Lines: 9
Nf-ID: #R:<LPX&-WM@splut.conmicro.com>:-28:ux1.cso.uiuc.edu:30500661:000:387
Nf-From: ux1.cso.uiuc.edu!phil   Aug 6 17:05:00 1990
Posted: Mon Aug 6 23:05:00 1990

> Think of it as a saga of the Old West, ham style. Nowadays we just
> patch up the bulletholes in the buildings.

And this is the state where people shoot each other on the highways.
Don't they have gun control laws in California?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 4112810254566711403
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 15:39:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!uunet!ncrlnk!ncrstp!npdiss1!montague
From: montague@npdiss1.StPaul.NCR.COM (John Montague)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <150@npdiss1.StPaul.NCR.COM>
Date: 6 Aug 90 22:39:25 GMT
References: <31.Jul.90.10:57:43.BST.#2288@UK.AC.NWL.IA> <LPX&-WM@splut.conmicro.com> <2814@anasaz.UUCP>
Reply-To: montague@StPaul.NCR.COM (John Montague)
Organization: StPaul
Lines: 11
Posted: Mon Aug 6 23:39:25 1990

In article <2814@anasaz.UUCP> john@anasaz.UUCP (John Moore) writes:
>......................... If I want to carry on a simplex conversation
>on the input frequency, using the repeater's PL, that is my right!
                                                  ^^^^^^^^^^^^^^^^
Think again.

Such an action, if it can be shown that you know that you are using the private repeater's PL, would be willfull and malicious interference; an action prohibited by FCC regulations.

John Montague   montague@StPaul.NCR.COM   W0RUE@WB0GDB

```
From -3555307094223991495
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc2bfa59d677210,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 15:44:15 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!zaphod.mps.ohio-state.edu!swrinde!ucsd!
ucbvax!TINCAN.SAWYER.AF.MIL!scxc3
From: scxc3@TINCAN.SAWYER.AF.MIL (Michael A. Barnes)
Newsgroups: rec.ham-radio
Subject: NASA BBS
Message-ID: <9008062003.AA07140@tincan.sawyer.af.mil>
Date: 6 Aug 90 20:03:26 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19
Posted: Mon Aug  6 21:03:26 1990

From scxc3 Mon Aug  6 15:49:04 1990
To: info-hams@uscd.edu
Subject: NASA BBS
Status: R
```

I saw a posting on a recent packet BBS that there is a NASA BBS called SpaceLink available which has educational information including shuttle/ham experiment info, etc.

Does any one know if this BBS is accessible via Internet? I can't justify the long distance phone bill right now.

Thanks.
73,
Michael WA7SKG

```
LWRCLMR@SACEMNET
SCXC3@TINCAN[A[C[C[C[C[C[.AF.MIL[B[D[D[D[D[D[D[D[D[D[D[D[D[D[C.SAWYER.AF.MIL
WA7SKG@N8IYB 9Packe[D[D[D[D[D[D[D([C[C[C[C[C[Ct)
```

```
From -8330293803380254153
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fac3c8163711ef23,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 15:44:26 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!decwrl!ucbvax!
TINCAN.SAWYER.AF.MIL!scxc3
From: scxc3@TINCAN.SAWYER.AF.MIL (Michael A. Barnes)
Newsgroups: rec.ham-radio
Subject: Amateur Radio Public Service
Message-ID: <9008062004.AA07432@tincan.sawyer.af.mil>
Date: 6 Aug 90 20:04:07 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
```

Organization: The Internet
Lines: 23
Posted: Mon Aug 6 21:04:07 1990

From scxc3 Mon Aug 6 15:57:03 1990
To: info-hams@uscd.edu
Subject: Amateur Radio as Public Service
Status: R

I don't know how other areas view ham radio, but the local agencies here think it is great, especially packet radio.

Our local county Emergency Services director applied for a FEMA grant for packet equipment. FEMA set a record for replying to a grant (they said ham radio? no sweat!) and gave a 50/50 grant. FEMA put up $3K to match the count county's $3K for a total of $6K to buy two complete portable packet sets, including synthesized two meter radios, TNCs, laptop computers with printers and nice crushproof cases to carry it all in. They think they'll have enough left over to buy one or two extra radios and Henry's TNC/printer combo for installation in a couple of receive only locations for unattended (by hams) locations.

Yes, up here in the Great White North ham radio is an integral part of the public safety system.

73,
Michael WA7SKG

From 7977017460518189420
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,129596b5d3e80f22,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 16:42:55 PST
Path: gmdzi!unido!mcsun!uunet!cos!hqda-ai!media!csense!bote
From: bote@csense.uucp (John Boteler)
Newsgroups: rec.ham-radio
Subject: Logic vs. Analog ground
Keywords: logic analog ground grd gnd
Message-ID: <1990Aug6.234255.791@csense.uucp>
Date: 6 Aug 90 23:42:55 GMT
Organization: Common Sense Computing, McLean, VA.
Lines: 18
Posted: Tue Aug 7 00:42:55 1990

We are designing a repeater controller interface circuit with both analog and logic portions (unique, eh?). We decided to use separate analog and logic grounds to reduce the switching noise appearing in the audio circuits.

Now we have two grounds internal to our circuit board.
What do we do with them?

If we tie them together at one external point, does this still
retain the benefits of the separate internal grounds?

Do we need to provide some other means of isolation before pulling
the analog ground to 0 Volt potential?

--
John Boteler   bote@csense.uucp   {uunet | ka3ovk}!media!csense!bote
NCN NudesLine: 703-241-BARE -- VOICE only, Touch-Tone(TM) signalling

From 6303951680302389061
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2a06411596ec9b1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 17:30:20 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: Re: Super Morse 3.11 Program Wanted
Message-ID: <1581@n8emr.UUCP>
Date: 7 Aug 90 00:30:20 GMT
References: <9008021523.AA04786@ucsd.edu> <80@towers.UUCP> <393@hfsi.UUCP>
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 17
Posted: Tue Aug 7 01:30:20 1990

In article <393@hfsi.UUCP> bower@hfsi.UUCP (Michael Bower Comm.) writes:
>In article <80@towers.UUCP> brian@towers.UUCP (Brian Murrey) writes:
>>I have SM315.ZIP available on my landline BBS. That is the latest verison
>>that I am aware of. You can download this file by calling 317 882 9330 and
>>logging in as Ham Radio, use YAGI for the password.

YOu can also download the files from my BBS...

Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From -8332079858230084481
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b412677bd6bec37
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 17:44:16 PST

Path: gmdzi!unido!mcsun!uunet!microsoft!t-petesk
From: t-petesk@microsoft.UUCP (Peter SKELLY)
Newsgroups: rec.ham-radio
Subject: Re: License Classes
Message-ID: <56344@microsoft.UUCP>
Date: 6 Aug 90 21:18:21 GMT
References: <9008031459.AA18178@tilde>
Reply-To: t-petesk@microsoft.UUCP (Peter SKELLY)
Organization: Microsoft Corp., Redmond WA
Lines: 31
Posted: Mon Aug 6 22:18:21 1990

In article <9008031459.AA18178@tilde> dube@cpdvax.csc.ti.com writes:
>Everyone seems to be tip-toeing around this, so maybe I'll address it
>directly: How about a "computer class"? This would be for everyone who
>wants to use radio as just a link between their computers and who would like
>to avoid the use of hard lines. The exams would exclude any kind of Morse
>Code and would have no analog technical questions. Maybe we could set it
>up so that it is "Amateur Computing Communications", completely separate from
>ham radio; with some band space of its own that excludes CW, AM, SSB, and FM
>or any other form of voice communication.   It could even have its own counter-
>part to the ARRL: The ARCL.   What about it?
>Dube Todd   N5PDK

I don't think a "computer" license is a good idea. It places emphasis on the computer instead of the radio. I also don't see a very large portion of the amateur community in support of this.

One of the key thing would be the number of users of such a service. If there were enough users that they would make good use of such an amateur band, then there would also be enough to ask the FCC to allocate a "CB" like band for such a service. The power and range would not be very high for such a system and there would only need to be a 20-40 khz spacing for a few channels.

It's just that if some amateur space were split off for computer service, it would be seen with the same light as the UPS chopping 220. The new users would not be ham-radio operators.

Pete Skelly
KB7GUD

my opinions are my own

From -4985223580185375409
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49e229dec8c34972,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 18:54:07 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!swrinde!ucsd!nosc!crash!scotto
From: scotto@crash.cts.com (Scott O'Connell)

Newsgroups: rec.ham-radio
Subject: 6m Base Antenna Ideas
Message-ID: <3843@crash.cts.com>
Date: 6 Aug 90 20:29:22 GMT
Organization: Crash TimeSharing, El Cajon, CA
Lines: 19
Posted: Mon Aug 6 21:29:22 1990

We are looking for ideas on buying/building a good 6 meter base station
antenna. There is one catch, it must be extreemly heavy duty.

This is for a mountain top repeater installation where the winter weather
can be quite severe. Previous antennas have been constructed out of EMT,
IRON pipe and stainless steel whips. All of these antenna ideas have
given in to the ice and wind.

What do you use? What would you do?

Thanks in advance.
Scott O'Connell - N6ZEK   UUCP: {nosc, hplabs!hp-sdd}!crash!ipars!scotto
                             ARPA: crash!ipars!scotto@nosc.mil
                             INET: scotto@ipars.cts.com
--
Scott O'Connell - N6ZEK   UUCP: {nosc, hplabs!hp-sdd}!crash!ipars!scotto
                             ARPA: crash!ipars!scotto@nosc.mil
                             INET: scotto@ipars.cts.com

From -2923348347306137213
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 20:03:56 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!ncar!asuvax!
anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <2840@anasaz.UUCP>
Date: 6 Aug 90 16:01:51 GMT
References: <31.Jul.90.10:57:43.BST.#2288@UK.AC.NWL.IA>
<1990Aug1.213344.1217@bellcore-2.bellcore.com> <968@ssc.UUCP>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 16
Posted: Mon Aug 6 17:01:51 1990

In article <968@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
]In article <1990Aug1.213344.1217@bellcore-2.bellcore.com>, karn@envy.bellcore.com
(Phil R. Karn) writes:
]> which it operates is NOT his property, and he has no right to deny
]> it to others who would operate an open repeater on it.

]
]on. But I think this tactic of moving an "open" repeater onto an
]existing repeater's frequency has been tried in L.A., and was always
]resolved in favor of the repeater that was coordinated there first!

This is true as long as the first repeater is COORDINATED. Hence the
call to stop coordinating new closed repeater frequencies.
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From 947396031142461021
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 20:04:09 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!ncar!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <2841@anasaz.UUCP>
Date: 6 Aug 90 16:05:43 GMT
References: <31.Jul.90.10:57:43.BST.#2288@UK.AC.NWL.IA> <2814@anasaz.UUCP>
<969@ssc.UUCP>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 31
Posted: Mon Aug 6 17:05:43 1990

In article <969@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
]In article <2814@anasaz.UUCP>, john@anasaz.UUCP (John Moore) writes:
]. But don't expect it to have any claim on either the
]> input or output frequency! If I want to carry on a simplex conversation
]> on the input frequency, using the repeater's PL, that is my right!
]
]
]Ohhhhhh......I don't think so! This has been tried during some of the
]"repeater wars" in Southern California, and believe me, the simplex
]operators were cited!

Cited for what? In order to be cited for harmful or malicious interference,
they have to operate WHILE someone else is using the frequency, in such
a manner as to cause interference. Believe me, having been the point man
here in a repeater war (our group was NOT the agressor), I can tell you
that it is not easy to get an FCC NOV in one of these cases. By the way,
the Long Beach, CA branch of the FCC was the one involved in that case.

Cited for failure to maintain Good Amateur Practice? Perhaps, IFF the
other repeater was coordinated. On the other hand, some of us consider

closed repeaters to be failure to maintain good amateur practice.

Let me comment that my original suggestion about talking on the
INPUT frequency was probably not appropriate, since you can't tell
if you are causing interference. Perhaps I should have said OUTPUT
frequency.
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -4665575241363971 84
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 20:09:03 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!uwm.edu!zaphod.mps.ohio-state.edu!ncar!
asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <2842@anasaz.UUCP>
Date: 6 Aug 90 16:19:28 GMT
References: <31.Jul.90.10:57:43.BST.#2288@UK.AC.NWL.IA> <2824@anasaz.UUCP>
<972@ssc.UUCP>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 63
Posted: Mon Aug 6 17:19:28 1990

In article <972@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
]In article <2824@anasaz.UUCP>, john@anasaz.UUCP (John Moore) writes:
] In general (ignoring
]> the FCC's toothless statements about repeater coordination), the
]> rule on a frequency is first-come, first-serve on a per-QSO basis.
]> So, if a private repeater is not in use, and I strike up a conversation
]> on its input with someone else, I am not in violation of ANY FCC rules.
]> Now, let's say someone comes along and wants to use the repeater, so
]> they get on and start talking. THEY are guilty of interference.
]>
]
]I don't think this will work. I believe this has been tried by some of
]the participants in various "repeater wars", including the allegations
]by the simplex operators that THEY were the ones being vicitmized by
]the repeater operators.
]
I was personally involved in getting the FCC to recognize coordinating
bodies because of this sort of tactic. If a repeater is coordinated,
the FCC claims that they will give it primacy on its frequencies (which
is a good reason to not coordinate any more frequencies to closed repeaters).
If it is not coordinated, it is just another repeater.

The reason I used the word "toothless" is that the FCC is very reluctant to get involved in repeater coordination wars. There have been several cases where there were battles between coordinating bodies. The FCC stance has been to either stand aside and recognize BOTH groups (which is, of course, absurd, but happened in Sourthen California) or to ask for a vote of the USER COMMUNITY (I believe this was suggested in Kansas City)!

Note that current coordinating bodies (such as the one here in AZ) are usually controlled by existing repeater owners, who have a clear conflict of interest in their position. Some years back I discussed this problem with Carol Foelak (at that time the lawyer for PRB ham radio issues) and she agreed that they had no good way to deal with competing coordinators, that the conflict of interest in the coordinating groups was the Achilles heel of the system, and that the interests of the USER's must be considerd in coordinating decisions.

So, if someone wants to cause trouble (or maybe even do some good, although I don't generally like such tactics), they can set up a competing coordinating body that refuses to recognize the closed repeaters. If they are clever, they will appeal to the USER community (which, of course, does not have a large percentage of closed repeater users) and maybe win FCC recognition OVER the old coordinating body.

As the need for frequencies gets more intense, more of these disputes will arise. Today, there are many frequencies, throughout the country, that are RESERVED for tiny groups with a few members. Also, there are large organizations (such as Cactus) that tie up a large number of wide area frequencies for their private use [I should note that Cactus has made their system available in emergencies, but only if Cactus members are available to control it.] This cannot continue. Where are we going to put new mode repeaters? What if a large organization wants to experiment with trunking technology (which would greatly relieve band congestion)? Where do they get the frequencies? How about digital modes (packet, digital voice, TDMA digital voice, etc)? Why should almost all frequencies be tied up so that these private groups can occasionally use a quiet FM frequency?
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From 2857909840235375625
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 20:15:38 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!elroy.jpl.nasa.gov!jato!cduncan
From: cduncan@jato.Jpl.Nasa.Gov (Courtney Duncan N5BF)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing

Message-ID: <4500@jato.Jpl.Nasa.Gov>
Date: 6 Aug 90 22:57:53 GMT
References: <14117@shlump.nac.dec.com> <30500651@ux1.cso.uiuc.edu>
<16831@ucsd.Edu>
Reply-To: cduncan@jato.Jpl.Nasa.Gov (Courtney Duncan N5BF)
Organization: Jet Propulsion Laboratory, Pasadena, CA
Lines: 30
Posted: Mon Aug 6 23:57:53 1990

In article <16831@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>Were I to do weak-signal work, I'd use a properly-designed and
>easily-built digital signal processing receiver. Such can receive and
>decipher signals so far down in the noise that you couldn't even tell
>there was a CW signal there.

And you would talk to yourself, since no one else would be suitably
equipped to receive you similarly.

Also, you would spend a lot of time you don't anticipate writing special
code to cover for flutter, to make a myriad of interpretative reconstructions
of received sounds (unless you just reconstructed tones and used ear/brain
for data reconstruction, heaven forbid), and trying to get another person
or two to do the same so you could conduct meaningful communications.

This would be highly educational. Since this receiver is easily-built,
(and presumably inexpensive) I'm eagerly awaiting the details in QST,
QEX, the AMSAT-NA Journal, PSR, or some other periodical with a technical
section.

>
>The supposed advantage of CW for weak-signal work is an illusion with
>recent technology.
>   - Brian

This may be true on paper, but in practice, amateurs >use< CW (and phone,
and packet). One has to build up a clientelle for anything else, and
>that< is the real challenge.

73, Courtney, N5BF

From 7700848411519735342
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2ca98c66c0876840,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 20:29:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!munnari.oz.au!darwin.ntu.edu.au!higginbotham
From: higginbotham@darwin.ntu.edu.au
Newsgroups: rec.ham-radio
Subject: CALLBOOK anonymous ftp info needed Down Under
Message-ID: <1990Aug7.082016.294@darwin.ntu.edu.au>
Date: 6 Aug 90 22:50:16 GMT
Lines: 17

Posted: Mon Aug 6 23:50:16 1990

Could someone post whether or not the US and/or foreign
CALLBOOKS can be obtained by anonymous ftp? Others
must have the same question.

Assuming they can be obtained by anonymous ftp, is there any
freeware which can be used to work with them?

Thanks,

Tom N5EVM (US) VK8KTH (Australia)

```
-------------------------------------------------------------------
T. F. Higginbotham             Northern Territory University
higginbotham@darwin.ntu.edu    School of Engineering, Mathematics,
Telephone 61 - 89 - 46 - 6546  Physics and Computer Science
Fax       61 - 89 - 26 - 0612  P. O. Box 40146, Building 16
                               Casuarina, Northern Territory 0811
                               AUSTRALIA
```

From -7805920675899856685
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6689244f30762af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 21:10:14 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!mit-eddie!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Communicator Class
Message-ID: <1990Aug7.041014.1172@bellcore-2.bellcore.com>
Date: 7 Aug 90 04:10:14 GMT
References: <9007260548.AA16565@tecnet1.jcte.jcs.mil> <80@thoreau.nsc.com>
<1990Aug4.002738.14000@bellcore-2.bellcore.com> <82@thoreau.nsc.com>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 49
Posted: Tue Aug 7 05:10:14 1990

In article <82@thoreau.nsc.com>, rtodd@thoreau.nsc.com (Ron Todd) writes:
|> You missed it Phil, the exam does not fully make the HAM.

I'm not sure which Phil you're talking to, but I assume it's me. And no,
the exam certainly does not fully make the ham. I took my last test in 1973,
before I had even left high school, and I'd like to think that I've learned
something since then.

|> Tell me, Phil. Are you of the opinion that ALL Communicators are going
|> to want to jump right in and be TCP/IP priests and are going to behave
|> the way 13cm weak signal jocks do?

Of course not. But I don't see any other way to bring in the TCP/IP "priests" (and other technically oriented people) without it. There will always be chaff with the wheat. But at least we won't be throwing out the wheat.

> Will you admit that the vast majority
> of these Communicators will want to "communicate" and will probably act
> like CBers and HFers?

You use the terms "CBers and HFers" as a disparaging epithet. But have you actually LISTENED to the SSB CBers and HFers? I have. Except for the lack of callsigns and an apparent inability to standardize on either USB or LSB, they sound EXACTLY like the legit hams I hear anywhere else on HF. They carry on the same inane conversations about personal health problems and the like. Well, perhaps they're a LITTLE different - the HFers know they're operating illegally, so they seem to be a little more polite on the air so as not to ruffle any feathers. (1/2 :-))

By the way, the main reason I support no-code is NOT just because I happen to be interested in technical work and would like similarly minded people to join. That's only part of it. The REAL reason is that a no-code license is absolutely essential if amateur radio is to do the only thing that can possibly justify its existence much longer -- by interesting young people in science and technology. The FCC certainly doesn't think that 0.2% of the population have a god-given right to a disproportionate share of an important natural resource to ragchew and pursue what amounts to high tech stamp collecting simply because they've passed a code test.

Start thinking in terms of how the NON-amateur world views amateur radio, not in terms of how hams view ham radio. Remember that there are many more non-hams than hams, and they control all the frequencies.

Phil

From 338842254131426928
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1044e7,f0d882142a6c4b2d,start
X-Google-Attributes: gid1044e7,public
X-Google-ArrivalTime: 1990-08-06 22:20:35 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!sol.ctr.columbia.edu!lll-winken!sun-barr!newstop!sun!amdcad!brahms!phil
From: phil@brahms.amd.com (Phil Ngai)
Newsgroups: rec.ham-radio,talk.politics.guns
Subject: Re: Repeaters.
Message-ID: <1990Aug7.052035.29863@amd.com>
Date: 7 Aug 90 05:20:35 GMT
References: <LPX&-WM@splut.conmicro.com> <30500661@ux1.cso.uiuc.edu>

```
Sender: usenet@amd.com (NNTP Posting)
Organization: Advanced Micro Devices, Inc; Sunnyvale, CA
Lines: 18
Xref: gmdzi rec.ham-radio:13697 talk.politics.guns:390
Posted: Tue Aug  7 06:20:35 1990

In article <30500661@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
|
|> Think of it as a saga of the Old West, ham style.  Nowadays we just
|> patch up the bulletholes in the buildings.
|
|And this is the state where people shoot each other on the highways.
|Don't they have gun control laws in California?
|
|--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
|<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

We have lots of gun control laws in Cal. None of them have ever been
shown to do any good. That's why the politicans keep trying to get
more passed.

--
Phil Ngai, phil@amd.com     {uunet,decwrl,ucbvax}!amdcad!phil
Real Pacifists don't call the Police.


From -5489309689303437910
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 00:35:42 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!mailrus!cornell!
rochester!udel!haven!umd5!suns.UMD.EDU!jph
From: jph@suns.UMD.EDU (J. Patrick Harrington)
Newsgroups: rec.ham-radio
Subject: Re: DSP beats CW (was: Qualification-based licensing)
Message-ID: <7044@umd5.umd.edu>
Date: 6 Aug 90 17:56:08 GMT
References: <16831@ucsd.Edu> <26426@usc.edu> <16859@ucsd.Edu> <16861@ucsd.Edu>
<10811@crdgw1.crd.ge.com>
Sender: news@umd5.umd.edu
Reply-To: jph@suns.UMD.EDU
Organization: University of Maryland, Astronomy
Lines: 30
Posted: Mon Aug  6 18:56:08 1990

In article <10811@crdgw1.crd.ge.com> perley@galaxy (Donald P Perley) writes:
>
>Nice list of articles on DSP, but from scanning the titles, nothing
>dealing with how you could use it decode a signal so weak that you
>couldn't even hear it if it was CW (as stated in the first DSP vs CW
>posting).
>
```

>-don perley
>
>perley@trub.crd.ge.com

Weak signals? Ask someone who uses the 1750 meter band!

Over the last year, the "Lowdown" (the publication of the Longwave Club of America) has carried a series of articles by Max Carter detailing a system for receiving and decoding slow BPSK (binary phase-shift keying) signals in the 160-190 KHz (part 15) band. This equipment does not look particularly complex - far simpler than packet stuff - and he reports using it to decode and display the ID's of beacons which were much too weak to be detected by ear.

I recommend this series to anyone interested in what can be done to go beyond CW for weak signal communication *and* can be put together by the average experimenter.

J. Patrick Harrington
jph@astro.umd.edu

(Just an astronomer who plays on 1750 meters because life is too short to spend it memorizing Morse code.)

From 4353306999512806333
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 01:19:49 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!zaphod.mps.ohio-state.edu!swrinde!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <16913@ucsd.Edu>
Date: 7 Aug 90 03:15:18 GMT
References: <LPX&-WM@splut.conmicro.com> <30500661@ux1.cso.uiuc.edu>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 21
Posted: Tue Aug 7 04:15:18 1990

In article <30500661@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>> Think of it as a saga of the Old West, ham style. Nowadays we just
>> patch up the bulletholes in the buildings.
>And this is the state where people shoot each other on the highways.
>Don't they have gun control laws in California?

Sure, just like everywhere else in the USA. And just as effective, too.

But don't misunderstand - it's not hams shooting at each other's buildings. It's frustrated people plinking at The Phone Company, the police transmitters, TV stations, the power company, etc. After all, doesn't television teach us that that we can solve ANY problem by brandishing a weapon at it?

And after all, you're all alone up there on the 5000 ft mountain, and there's no police around, so there are no laws, so why not just express your rage and frustration at those impersonal bureacracies by blowing a few holes in their buildings?

That's sarcasm, son.
     - Brian

From -5711894778349006307
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 01:27:32 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <16914@ucsd.Edu>
Date: 7 Aug 90 03:20:15 GMT
Organization: The Avant-Garde of the Now, Ltd.
Lines: 8
Posted: Tue Aug 7 04:20:15 1990

You know, it suddenly struck me - that the latest bunch of satellites don't handle CW. They don't even have CW beacons.   Except FO-20, of course.

One small step for AMSAT. One giant leap for hamkind.

Snicker.
              - Brian

From -879323035919709104
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8ee3b078e164e3cb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 01:34:00 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: My PR 90-55 filing
Message-ID: <974@ssc.UUCP>
Date: 6 Aug 90 19:27:08 GMT
References: <9008051309.AA00726@cmr.ncsl.nist.gov>
Organization: SSC, Inc., Seattle, WA
Lines: 13
Posted: Mon Aug 6 20:27:08 1990

In article <9008051309.AA00726@cmr.ncsl.nist.gov>, rc@CMR.NCSL.NIST.GOV (Robert Carpenter) writes:

> COMMENTS BY ROBERT J. CARPENTER, OF ROCKVILLE, MD.
> 18. An operating privilege once given (Communicators on
> 6 m and 2 meters) is very hard to take away; thus some
> initial conservatism is in order.

I refered to your article in the October 84 QEX when I requested 6 meters so that the Communicator class could experiment with meteor scatter. I wonder if they'll notice.

We don't all plan to be glorified CB'ers.

markz@ssc.uucp

From -153844537420396835
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fde24db339d4dc91,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 01:40:11 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: DSP (was: Qualification-based licensing)
Message-ID: <16915@ucsd.Edu>
Date: 7 Aug 90 03:32:53 GMT
Organization: The Avant-Garde of the Now, Ltd.
Lines: 14
Posted: Tue Aug 7 04:32:53 1990

No, you can't buy it, you'll have to build it. But there's some nice development kits out there, and I rather imagine something that can plug into a PC bus isn't too hard to come up with. We'll see.

N4HY is working on some stuff. He'll undoubtedly beat me to it, since he's got things working NOW.

Honestly, I've never done RF DSP - but I've done a chunk of DSP in sonar and other oceanographic stuff, about 10 years ago, before the nice new chips were available, so I'm going to have to learn about what's available.

But DSP is clearly the way to go - hams are trailing commercial technology again, I regret to say.
- Brian

From 4808994622964482259
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 01:40:17 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!

uwm.edu!cs.utexas.edu!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <1990Aug7.032125.885@bellcore-2.bellcore.com>
Date: 7 Aug 90 03:21:25 GMT
References: <14117@shlump.nac.dec.com> <30500651@ux1.cso.uiuc.edu>
<16831@ucsd.Edu> <26426@usc.edu>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 27
Posted: Tue Aug 7 04:21:25 1990

In article <26426@usc.edu>, kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
|> But this technology [DSP] is not available anyplace except the
research lab at
|> the present time. Therefore, CW still holds a strong advantage.

What's a "research lab"? Does N4HY's basement count? Does W3IWI's? Does mine? We (and several dozen others) all have these Delanco-Spry DSP boards for our PCs. W3IWI is fond of calling them "the S-100-era DSP card" but they were enough for N4HY and W3IWI to read each other off the moon on 70cm using AO-13 class stations (100 watts, 13 dB gain, as opposed to 1KW and 25+ dB antennas). And, of course, everyone knows about the DSP-232 and other DSP products in the pipeline.

DSP is not "just research lab" technology. If you have a Telebit Trailblazer modem, you've got DSP. If you have a V.32 modem, you have DSP. If you have a compact disk player, you've got DSP. If you have a Sparcstation or NexT workstation, you've got DSP. (If you have a Mac or PC, you can get DSP, but it isn't standard.) If you see Voyager images, you're seeing the results of DSP. If you pick up a telephone and make a call outside your local area, chances are you're using DSP.

So it would seem that DSP is well entrenched in everyday practice in almost every communications field except for amateur radio. Doesn't that say something?

Phil

From -4638571880586046566
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc6de0d60b8fc502,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 01:45:58 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!ncar!midway!news
From: phd_ivo@gsbacd.uchicago.edu
Newsgroups: rec.ham-radio
Subject: Beginner Question about World Radio Transmissions
Message-ID: <1990Aug7.033245.8406@midway.uchicago.edu>

Date: 7 Aug 90 04:27:16 GMT
Sender: news@midway.uchicago.edu (News Administrator)
Organization: University of Chicago Graduate School of Business
Lines: 12
Posted: Tue Aug 7 05:27:16 1990

Is there a bulletin board for people that just want to listen to foreign-country public radio stations? I have simple questions about which world band radio I should purchase, what's a good antenna (in particular, what's a good room antenna that doesn't transform my room into a cabling station), and what frequencies provide the best reception for, say German radio stations, in the LA area.

Also, are there intelligent radios that pick a signal off several frequencies, and use a DSP to extract noise and the common signal from these frequencies to get a clean signal?

/ivo welch   ivo@next.agsm.ucla.edu

From 4087976660365053751
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2d8213314e96264a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-07 02:48:39 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!yale!mintaka!mit-eddie!rutgers!rochester!uhura.cc.rochester.edu!uhura!saaf
From: saaf@joker.optics.rochester.edu (Lennart Saaf)
Newsgroups: rec.ham-radio
Subject: DXCC files for anonymous ftp
Message-ID: <SAAF.90Aug6154702@joker.optics.rochester.edu>
Date: 6 Aug 90 19:47:02 GMT
Sender: news@uhura.cc.rochester.edu
Distribution: rec
Organization: The Institute of Optics, University of Rochester
Lines: 38
Posted: Mon Aug 6 20:47:02 1990

I have added a couple of files to the anonymous ftp directory at joker.optics.rochester.edu (128.151.240.1). I received one recently and just ran across the other one, which was posted in March. Descriptions follow.

dxcc.txt.Z
dxcc.arc

This is a list of DXCC prefixes, country names, lattitudes, and longitudes. It appears here in arc and Unix compress formats. This list was provided by by Bob Lombardi.

dxcc.list.Z

This list contains the following information:

1. primary amateur prefix ("*" suffix for deleted countries)
2. country name
3. continent
4. ITU zone(s)
5. CQ zone(s)
6. time zone (hours from UTC)
7. latitude
8. longitude
9. ITU prefix allocation(s) ("~" suffix for unofficial)
10. other amateur prefixes

This file was posted to rec.ham-radio in March, 1990 courtesy of Bill Brelsford.

73,
Len Saaf
NV2Z
--

```
-----------------------------------------------------------------------
| Len Saaf, The Institute of Optics, Univ. of Rochester, Rochester, NY |
| Internet: saaf@joker.optics.rochester.edu        Bitnet: SAAF@UOROPT |
-----------------------------------------------------------------------
```

From 1568557113912042028
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6689244f30762af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 17:27:38 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!cs.utexas.edu!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Communicator Class
Message-ID: <1990Aug4.002738.14000@bellcore-2.bellcore.com>
Date: 4 Aug 90 00:27:38 GMT
References: <9007260548.AA16565@tecnet1.jcte.jcs.mil> <80@thoreau.nsc.com>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 15
Posted: Sat Aug 4 01:27:38 1990

In article <80@thoreau.nsc.com>, rtodd@thoreau.nsc.com (Ron Todd) writes:
> I do not want them (communicators) on 2 meters, or any lower band for that
> matter.

But then he says:

> When are we ALL going to get over the stigma that Novices and Communicators
> are not HAMS?

Doesn't that seem just a bit inconsistent? Why should Communicators not be treated the same way as Techs when they've passed the same (or harder) written test?

Phil

From 4025111389979965278
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,275fce33567c4960,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 17:32:57 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: My FCC filing on PR 90-55
Message-ID: <1990Aug4.003257.14087@bellcore-2.bellcore.com>
Date: 4 Aug 90 00:32:57 GMT
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 598
Posted: Sat Aug 4 01:32:57 1990

Before the
Federal Communications Commission
Washington, D. C. 20554

In the matter of)
)
Amendment of Part 97 of the) PR Docket 90-55
Commission's Rules Concerning)
the Establishment of a Codeless)
Class of Amateur Operator License)

To: The Commission

COMMENTS OF PHILIP R. KARN, KA9Q

Summary

Amateur Radio's most important role is to interest young people in science and technology and to encourage them to pursue careers in the field. It once did this admirably. But amateur radio has not kept up with the times, and it is faltering. The average US amateur is now over 50 years old, growth is stagnant, and the code requirement is to blame.

A codeless amateur radio license is long overdue and must be created without delay. Furthermore, it must grant full amateur privileges above 30 MHz. It should not be seen merely as an "entry class" amateur license, with holders still expected to learn the code before they can become "real" amateurs.

Code proficiency is no more relevant to operation on the 50 and 144 MHz bands than it is on the frequencies above 220 MHz. Furthermore, access to the 144 MHz band in particular is absolutely essential if the Communicator license is to attract newcomers and integrate them into the mainstream of amateur radio.

The Novice license should be retained. I agree with the Commission that there are too many license classes, but this issue should be addressed in a separate proceeding by proposing that the _t_o_p (rather than the bottom) of the Incentive Licensing "ladder" be dismantled.

August 3, 1990

The Code Requirement Is Killing Amateur Radio

1. The debate over the codeless license is really a debate over the fundamental purpose of the Amateur Service. I think the existing Section 97.1, Basis and Purpose, is exceptionally well written and has withstood the test of time. Its authors knew that rapid technological progress characterizes this field, so they wisely avoided mentioning

any particular radio communications technology such as Morse Code. Instead, they used phrases such as "advancing skills" and "advancement of the radio art" to state clearly that amateur radio was expected to keep up with the times.

2. In its earliest days, Morse Code was essential to the Amateur Service and a code proficiency requirement was then necessary and proper. But that era was long ago. For many decades individuals without any knowledge of the code could have made valuable contributions to the Basis and Purpose of the Amateur Service. Unfortunately, the code requirement remained long after the reason for its existence had vanished. Today it protects only the parochial interests of those already licensed, not the broader interests of the public that entrusts valuable spectrum to the Amateur Service.

3. The intense debate over the codeless license prompted many amateurs, including me, to think long and hard about a realistic future role and raison d'etre for amateur radio in a world where spectrum, like land, is scarce and getting scarcer. Some stubbornly refuse to accept that we do not own our spectrum and that we must continually earn our allocations. Others agree that we must "pay our bills," but disagree on the best way to do so.

4. Much of my support for a codeless license comes from my own strong interest in technical development and the desire to attract more technically oriented people to the service. But I know that this alone is not enough. Most of today's technical innovations come from corporate and government research labs, not from radio amateurs; we hams simply don't have the resources to compete. Nor can amateur radio's much-touted emergency service role alone justify its allocations much longer, given the rapid deployment of cellular radio systems that have placed millions of telephones in the hands of motorists almost everywhere. In short, few if any of its specific technical or operating activities will be able to sustain amateur radio forever.

5. There is one role, however, that can easily justify the existence of amateur radio well into the future. I speak of its remarkable ability to interest young people in science and technology and to give them a ready outlet to express and develop that interest. Many technical professionals, including myself, were originally introduced as

youngsters to electronics and communications technology through amateur radio. It played a large part in encouraging many of us to pursue careers in the field. And our professions benefit everyone, not just those who are licensed amateurs.

6. This unique role makes amateur radio a valuable national resource. It justifies the allocation of precious spectrum that some argue be reallocated to serve the public's needs more directly. But young people are an even more precious resource than RF spectrum. At an age when many of my peers were still trying to figure out what to do with their lives, I knew what I wanted to do with mine -- thanks to amateur radio.

7. Today, however, amateur radio no longer attracts nearly as many young people. One oft-cited reason is the personal computer, a communications tool _p_a_r _e_x_c_e_l_l_e_n_c_e that, unlike amateur radio, requires no operator license and no code test. (Indeed, I discovered computers in 1972, less than a year after my introduction to amateur radio. If computers had come first, I might never have bothered to learn the code and become an amateur.) Another reason amateur radio no longer attracts young people is the widespread (and, I think, mostly accurate) image of radio amateurs as reactionary old men whose staunch defense of an irrelevant code requirement epitomizes everything that is wrong with amateur radio. Amateur radio should be an investment in the future, but it is now a monument to the past. And creative and talented young people are always much more interested in future possibilities than in old monuments. The codeless license is therefore absolutely essential if amateur radio is to justify its existence.

A Codeless License is Absolutely Necessary to Attract Technical Contributors

8. In my profession I regularly meet many highly qualified technically oriented people that I believe would be an asset to amateur radio. I often try to interest them in the more advanced areas such as packet radio and satellites. And in almost every case, the initial fascination quickly dissipates when I get to the "fine print" -- that knowledge of Morse Code is still required by every class of US amateur license.

9. I long ago stopped counting how many times this happened. To non-amateurs in my profession, amateur radio is a relic of a bygone era. I try to explain that amateur radio includes small, progressive groups such as TAPR and AMSAT who do their best to promote new ideas and technology. Unfortunately, getting this message across is a frustrating, uphill battle.

10. This is made all the more difficult by an indefensible code requirement. Creativity, originality and insight are uniquely human traits vital to technical innovation, and people with these traits often have a strong, built-in drive to express them. Give them an outlet, and they'll prove they're far from lazy. (Why else do so many computer hobbyists write elaborate computer programs only to give them away?) But require these people to learn the Morse Code, and you'll often run into a brick wall.

11. The problem is that for those who will never use it, learning the Morse Code is a pointless exercise in rote memorization. There's no room for creativity, and this deeply offends many of the same people amateur radio needs the most. This is especially true for young people to whom the technical side of amateur radio could be an excellent outlet for interests that are all too often frustrated in the classroom. There's already way too much rote learning in our educational system, and far too little emphasis on developing the innate creativity and capacity for original thinking in almost every young person. It is utterly tragic that amateur radio has fallen into the same trap of mediocrity.

12. Technically oriented amateurs are a dying breed in US amateur radio. The most technically oriented American amateur radio magazine, _H_a_m _R_a_d_i_o, recently ceased publication. The mainstream amateur publications in several other countries, such as _C_Q _D_L in West Germany and _C_Q _H_a_m _R_a_d_i_o in Japan, are much more technically oriented than their US counterpart, _Q_S_T. (I note in passing that both West Germany and Japan have popular no-code licenses.) The ARRL does publish a thin technically oriented newsletter, _Q_E_X, but its

circulation is small. A relative handful of highly dedicated "hard core tekkies," running on the edge of personal burnout, is responsible for virtually every recent amateur packet radio and satellite development. And just our present projects could easily keep us busy for a lifetime.

13. We desperately need an influx of new technical contributors to help share the load and to form "critical masses" around new projects. Being surrounded by professional colleagues, some of whom would be significant contributors to amateur radio were it not for the code requirement, makes it all the more painful. It's like being stranded in a life raft: water, water everywhere, but not a drop to drink.

The Codeless License Should Grant Full Privileges Above 30 MHz

14. The Communicator proposal is a step in the right direction, but it does not go far enough. Since the only difference between the Communicator and Technician licenses would be a code test, there is simply no rational justification for excluding Communicators from the 50 and 144 MHz bands or for limiting transmitter powers to 200 watts.

15. Besides its basic unfairness, limiting Communicators to frequencies above 220 MHz would have many serious drawbacks. The most important is the lessening of the appeal of the Communicator license to prospective amateurs, particularly in the less densely populated areas of the country where the higher frequency bands are lightly used. A related problem is the reduced opportunity for contact between Communicators and existing amateurs. Given the widely understood importance of quickly assimilating the newcomers into the mainstream of the amateur service, creating a "ghetto" for the Communicators is most unwise.

16. Given the rarity of Morse Code on the bands above 30 MHz, a Communicator who will have passed a written test more comprehensive than that taken by present Technicians

will be no less capable of fulfilling the basis and purpose of the Amateur Service. I therefore utterly reject the notion of such a license as merely an "entry class" license, or of considering its holders as anything less than "real" amateurs. If this influx of new amateurs causes congestion on the 144 MHz band in some densely populated areas, so be it. Although I believe this risk to be vastly overstated, the worst that could happen is that all users of the band, not just the Communicators, would be motivated to use the higher frequency bands and to improve on their spectrum management techniques.

If The License Structure Is Too Big, Simplify It - But Keep The Novice

17. The Commission says that its staff cannot process more than 50,000 amateur license applications per year. This probably explains the Commission's proposal to do away with the Novice and Technician classes when the Communicator is created.

18. I am sympathetic to this problem. The US already has more examination elements and license classes than any other country. Recent budgetary pressures have undoubtedly made the overhead of this unwieldy system intolerable. Dismantling the cumbersome and largely ineffective Incentive Licensing system adopted in 1968 would free processing capacity that would be better used to handle Communicator applications.

19. However, the Commission proposes to begin dismantling the Incentive Licensing ladder at the wrong end. Even with the new Communicator, the Novice class would continue to serve a valid purpose as an entry level license for those interested primarily in HF operation. If the licensing

structure is to be simplified, then start at the upper end. For example, given ITU HF telegraphy requirements plus the continuing need for the Novice, as few as three classes could suffice:

Novice: Novice level written test, 5 wpm code test. Privileges identical to current Novice.

Communicator: Tech/General level written test, no code test. Full privileges above 30 MHz.

General: Tech/General level written test, 5 wpm code test. Full amateur privileges on all bands.

20. All existing licensees except Novice and Communicator would be grandfathered to General. Novices could upgrade to General by taking the written test, while a Communicator could upgrade by taking the code test. A similar structure exists in many other countries and works well.

21. Although such a major simplification of the licensing structure is most desirable, it is properly outside the scope of this proceeding. The preceding discussion was only to show one way that the Communicator could be created and the Novice retained without exceeding the Commission's application processing capacity.

22. So as not to delay the creation of the Communicator, I urge the Commission to create it in a "stand alone" action, without deleting the Novice or Technician classes. The Commission could then open a separate proceeding that would simplify the entire license structure as just described. This could be done before the Commission's application processing capacity is exceeded by Communicator applications.

Conclusion

23. In conclusion, I urge the Commission to create the Communicator license and to give it full amateur privileges above 30 MHz. _A_n_y_o_n_e who can show himself qualified to pursue the Basis and Purpose of the Amateur Service -- and that most assuredly does _n_o_t require a knowledge of Morse code above 30 MHz -- must be allowed to enter.

24. I am well aware that merely creating the Communicator won't solve our problems overnight. For it to succeed, existing amateurs must welcome the new licensees and introduce them to a wide range of exciting and challenging activities. We will have our work cut out for us. My own specialty is the development of amateur radio computer networks (see Personal Background below). Several new amateurs have written me to say that my work in amateur TCP/IP

networking finally prompted them to become licensed. I take great pride in this, and I hope to succeed on a much larger scale with the help of the Communicator license.

Respectfully submitted,

Philip R. Karn, Jr., KA9Q

Personal Background

25. I am thirty-three years old, and have held an Extra Class amateur license since 1973. Professionally, I work in computer communications networking research for Bell Communications Research (Bellcore), the R&D consortium owned by the seven regional Bell companies. My formal education includes a BS in Electrical Engineering from Cornell University and a MS in Electrical Engineering (Computer Engineering) from Carnegie-Mellon University. My decision to pursue a technical career in communications had much to do with my exposure to amateur radio in high school.

26. Although I work professionally in the field, I retain a strong interest in advancing amateur radio technology. I am a member of the ARRL Ad Hoc Committee on Digital Communications. In 1982 I participated in the design of the AX.25 amateur packet radio protocol. I have been a technical volunteer for the Radio Amateur Satellite Corporation (AMSAT) since 1980, where I have specialized in orbital analysis, and I currently sit on their Board of Directors. I also sit on the Board of Tucson Amateur Packet Radio (TAPR), the group that brought packet radio to the Amateur Service in its present form.

27. I am the coordinator and primary author of the KA9Q Network Operating System (NOS), a computer software package that implements the AX.25 and NET/ROM amateur radio networking protocols and the US Department of Defense (DoD) Standard Internet Protocol Suite ("TCP/IP") on a variety of personal computers. This software, including full source code (about 50,000 lines), is available without charge to any amateur radio or educational user. I estimate that there are

at least 5,000 users of this software in several dozen countries. Although it was originally written for amateur packet radio, this software is also very popular with users of the National Science Foundation Research Internet (NSFNET). Some users have made significant contributions to the software even though they are not licensed amateurs. (I consider these people to be prime candidates for the Communicator license.) A significant performance enhancement I developed during my early experiments with TCP/IP on amateur packet radio was general enough to be made a required part of the TCP/IP specification. It is now used well beyond amateur radio.

28. I have written or co-authored over a dozen papers and articles on amateur packet radio and satellite topics that have appeared in the proceedings of the _A_M_S_A_T _S_a_t_e_l_l_i_t_e _S_y_m_p_o_s_i_u_m, the _A_R_R_L _C_o_m_p_u_t_e_r _N_e_t_w_o_r_k_i_n_g _C_o_n_f_e_r_e_n_c_e, the _I_E_E_E _J_o_u_r_n_a_l _o_n _S_e_l_e_c_t_e_d _A_r_e_a_s _i_n _C_o_m_m_u_n_i_c_a_t_i_o_n_s, and several other journals and magazines. I have given invited talks on and demonstrations of amateur packet radio and satellite technology to non-amateur technical audiences, including

INTEROP, a large trade convention devoted to computer internetworking, and various NSFNET groups, including the Internet Engineering Task Force (IETF, in which I participate professionally), and NORDUNET, the Scandinavian research computer network.

29. I have received awards and recognition for my work in amateur radio technology, including the AMSAT Technical Achievement Award in 1986, the Dayton Hamvention Special Achievement Award in 1989, and a "QST Profile" in the April 1990 issue of _Q_S_T.

August 3, 1990

From 8671426448571545598
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 23:13:29 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <2827@anasaz.UUCP>

Date: 4 Aug 90 06:13:29 GMT
References: <31.Jul.90.10:57:43.BST.#2288@UK.AC.NWL.IA> <LPX&-WM@splut.conmicro.com> <1990Aug1.213344.1217@bellcore-2.bellcore.com> <RJY&V2#@splut.conmicro.com> <2817@anasaz.UUCP> <1990Aug4.001803.13914@bellcore-2.bellcore.com>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 36
Posted: Sat Aug 4 07:13:29 1990

In article <1990Aug4.001803.13914@bellcore-2.bellcore.com> karn@thumper.bellcore.com writes:
]You have to realize that the "we can't change anything, we'd get sued"
]line is basically nothing more than a cop-out. Anybody can sue anyone
]for any reason at any time in this country. It doesn't mean a judge
]will agree with their grievance.

I'm sorry, Phil, but I have to disagree. Even a frivolous lawsuit can cause one considerable trouble and expense. Try applying for a mortgage while there is an outstanding lawsuit against you! Furthermore, some pretty ridiculous lawsuits still win - ask the WestCARS folks about that! In today's litiginous society, fear of a lawsuit is real and not just a cop-out. My opinion of a ham who would sue over a coordination matter is that such a person doesn't belong in our fraternity.
]
...
]
]to move! They'd sue us!" My response: "How do you know *I* won't sue
]you?" I said it with a smile, but I think he got the message. He
]didn't have an answer to that.
]
Ask the coordinators in Texas what it feels like to be sued. I'm amazed that some people are {brave, foolish} enough to be coordinators at all!

While anyone CAN sue, the most likely people to sue in these cases are the crackpots that are also the most likely to fight over coordination matters. Your coordinator has nothing to fear from you. He may have a lot to fear from some cranky repeater owner who is unwilling to give up his frequency.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -8417257470173521047
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88bb2b996a057732,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-08-03 23:21:48 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!decwrl!ucbvax!TOPS20.RADC.AF.MIL!DEFRANCO
From: DEFRANCO@TOPS20.RADC.AF.MIL (Carl DeFranco)
Newsgroups: rec.ham-radio
Subject: Qualification -based Licensing
Message-ID: <12610849565.10.DEFRANCO@TOPS20.RADC.AF.MIL>
Date: 3 Aug 90 13:45:38 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Fri Aug 3 14:45:38 1990

Fred Goldstein recently posted a long proposal for license revamping.

SIGH

That was the most well though out proposal I have seen in months.
Fred, I support your propsal 110%.

Carl DeFranco, KB2JLY

From -9117433144644110054
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eb481cf69b5e6a96,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 23:22:35 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!pt.cs.cmu.edu!andrew.cmu.edu!paul+
From: paul+@andrew.cmu.edu (Paul J. Dujmich)
Newsgroups: rec.ham-radio
Subject: TS-940 Fan Question
Message-ID: <kaiL9Jy00Uh-40fVVC@andrew.cmu.edu>
Date: 3 Aug 90 12:47:17 GMT
Organization: Computing Systems, Carnegie Mellon, Pittsburgh, PA
Lines: 11
Posted: Fri Aug 3 13:47:17 1990

I just bought a new Kenwood TS-940S. The manual says that the
fan on the heatsink on the back will hardly ever come on during "normal"
use. The manual further says that the fan will cycle on and off during
operation. My fan is off when I first power up the radio, but once it comes
on, it stays on. This occurs even if the transmitter is never used, and I stay
in receive mode. The heat sink itself stays warm, even with the fan running.
Is this *normal* ? I can't ever say that I've seen it cycle on and off.
Do I have a problem, or is this the way they all work?

Paul
WA3TLD

From 6588965057825629798
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,689a5f24e5fdf356
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 23:59:44 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!LL.LL.MIT.EDU!JORDAN
From: JORDAN@LL.LL.MIT.EDU ("Mike Jordan G4ASQ/KC1RP")
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9008031424.AA11648@ucsd.edu>
Date: 3 Aug 90 15:24:33 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Fri Aug 3 16:24:33 1990

>There is a hamfest in Burlington, VT next week. If any organizers are
>listening, maybe they can organize a tour of the local
>micro-brewery/pub.

If that is done, the non-hams might just have a better time than the people at the ham show!! I had a glass of the best beer I've tasted this side of the Atlantic in the hotel/brewery in Burlington this Spring.

73
Mike KC1RP

From -2541109070221655205
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1aebfb5f28f84467,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-04 00:29:21 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!ucbvax!GTE.COM!pescatore_jt%ncsd.dnet
From: pescatore_jt%ncsd.dnet@GTE.COM
Newsgroups: rec.ham-radio
Subject: Male Chauvinist Oinkers
Message-ID: <9008031123.AA20943@bunny.gte.com>
Date: 3 Aug 90 11:23:15 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 32
Posted: Fri Aug 3 12:23:15 1990

Over the years of interacting with the female species I have attended many functions whose attendees were mainly female: craft shows, lectures, a local discussion group meeting, etc. They didn't even try to have anything that might have interested husbands/significant others. While the terminology used (ladies) may have been offensive (although I find being called gentleman more amusing than offensive), and the choice of activities may not have been very interesting to some (but given the average age of hams and their spouses I don't know), the fact that hamfests try to have alternative activities for those (usually female) people who are unfortunate to have to accompany their ham spousal-like unit (usually male) doesn't seem worthy of indignation to me.

By the way, are the terms "lady" and "girl" verboten or are their age ranges where their use is acceptable? At my company (mainly male engineers) we have become sensitized to not calling female co-workers girls, since we certainly wouldn't call each other boys, and I don't think anyone under the age of 50 calls anyone "lady", but some older women seem to like to be called girls and very young girls seem to like to be called ladies. I guess eventually all gender distinction in our language may disappear and the announcement at the ham fest will say:

ATTENTION, HUMANS, IN 5 MINUTES THE ALTERNATE ACTIVITIES FOR NON-RADIO NERDS WILL START IN ROOM 123. WELDING, OIRGAMI, ORIGAMI, MAKING LITTLE THINGS OUT OF STUFF YOU WOULD NORMALLY THROW AWAY, HUNTING, CONVERSING MEANINGFULLY, AND THE WET SOCK COMPETITION WILL BE HELD. FOR THE YOUNGER FAMILIAL UNITS, A NEW VIDEO ON THE DANGERS OF DWARF TOSSING (RECENTLY OUTLAWED IN NEW YORK) WILL BE FOLLOWED BY THE RELEASE OF HUNDREDS OF BIO-DEGRADABLE DIAPERS, WHICH CAN BE SAFELY EATEN BY SEA TURTLES.

Hmmmm, maybe all this will put a stop to the practice of DX stations saying: "The YL only, go ahead." My throat is still sore from the S2 operation.

73 John WB2EKK PESCATORE_JT@NCSD.GTE.COM

From -6069882617476165814
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,680049e31c13fabe
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-04 00:45:42 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!sol.ctr.columbia.edu!cica!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: LORAN and Ham Radio
Message-ID: <53142@iuvax.cs.indiana.edu>
Date: 3 Aug 90 16:09:43 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 30
Posted: Fri Aug 3 17:09:43 1990

>I just purchased a LORAN-C for my 32' sloop. It also has a Yaesu
>FT107M ham radio HF tranceiver aboard, connected to a heli vertical.
>
>I'm a bit worried about how the LORAN equipment will handle 100W of
>RF being radiated 6' from its antenna/coupler... currently I
>disconnect the LORAN whenever I use the ham rig; am I being
>excessively paranoid?
>--
>Pontus Hedman rph@sq.com {uunet|utzoo}!sq!rph

LORAN-C receivers use "voltage probe" antennas (very high impedance, allowing them to be short). The whip is usually connected directly to a FET gate, perhaps protected by internal diodes, also a neon lamp to ground. They occasionally get knocked out by lightning. I have one on the back end of my car, and a 5/8-wave 2m antenna on the front, with 45 watts. That doesn't seem to bother the LORAN, but I don't think I would want to run 100 watts PEP HF six feet away.

My Micrologic ML-5000 LORAN receiver has given 8 years of very reliable service. I once visited th 400kW LORAN station in Indiana. A mile away, I turned off the receiver and unscrewed the antenna, just to be sure. (The receiver was then only 1 week old, so I was more paranoid than now. :-)

--

Frank   W9MKV   reid@ucs.indiana.edu

From -712762797794688926
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2a926091a204d70
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-04 00:55:19 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!trey
From: trey@ut-emx.UUCP (Trey Garlough)
Newsgroups: rec.ham-radio
Subject: Re: Solving the DXCC mess
Message-ID: <35084@ut-emx.UUCP>
Date: 3 Aug 90 15:50:03 GMT
References: <12280011@hpspdra.HP.COM> <18230024@hpfcdj.HP.COM>
Organization: The University of Texas at Austin, Austin, Texas
Lines: 32
Posted: Fri Aug 3 16:50:03 1990

In article <18230024@hpfcdj.HP.COM>, myers@hpfcdj.HP.COM (Bob Myers) writes:
>   There's still going to be a pileup every time the DX station
> gets on the air, as long as we do nitwit things like hand out pieces of
> paper if you contact enough "countries." I agree with Wayne on this one -
> can anyone really justify the existence of the DXCC as it is presently
> structured?

I disagree. I think making contact with all points on the globe is a novel enough achievement that people will pursue it whether or not any recognition is involved. Worldwide communication is one of the gee-whiz aspects of amateur radio.

Furthermore, why does the DXCC program need justification? It's just a paper chase. If Wayne doesn't like it, he can start his own (I think he has.) In fact, anyone can have an awards program. I simply don't believe the DXCC program is the cause of poor operating practices.

> And before you answer, have you listened in on 20 on a regular
> basis, and thought what it would be like to be on the other end of some of
> these pileups EACH AND EVERY TIME you got on the air?

No I haven't thought what it would be like because this is not the way things work. My experience has shown that the station being called dictates (through his operating practice) 90% of the behavior of the stations calling (aka "the pack"). If the DX station makes a big deal out of himself, he will whip the pack into a frenzy. On the other hand, if the DX operator plays wanders up to 14345 and plays it low key, he can have a few nice conversations without being hounded by the pack.

Trey Garlough
Computation Center, University of Texas, Austin, Texas 78712
trey@emx.CC.UTEXAS.EDU (internet) (512-471-3241)

```
From 7831257590533743611
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b412677bd6bec37,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-04 01:00:52 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: License Classes
Message-ID: <9008031459.AA18178@tilde>
Date: 3 Aug 90 14:59:03 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Fri Aug  3 15:59:03 1990
```

Everyone seems to be tip-toeing around this, so maybe I'll address it directly: How about a "computer class"? This would be for everyone who wants to use radio as just a link between their computers and who would like to avoid the use of hard lines. The exams would exclude any kind of Morse Code and would have no analog technical questions. Maybe we could set it up so that it is "Amateur Computing Communications", completely separate from ham radio; with some band space of its own that excludes CW, AM, SSB, and FM or any other form of voice communication. It could even have its own counterpart to the ARRL: The ARCL. What about it?
Dube Todd N5PDK

```
From 8631575932293478835
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7668b649cced704,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-04 01:01:23 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!swrinde!ucsd!ucbvax!
TOPS20.RADC.AF.MIL!POPYACK
```

From: POPYACK@TOPS20.RADC.AF.MIL
Newsgroups: rec.ham-radio
Subject: 2 x 1's ALL GONE IN 2 LAND
Message-ID: <12610889767.10.POPYACK@TOPS20.RADC.AF.MIL>
Date: 3 Aug 90 17:26:28 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Fri Aug 3 18:26:28 1990

Sorry folks. I just heard of a AA2AJ in New Jersy two weeks ago. Say
Bye-Bye to the 2 x 1 calls in 2 land......

"33" WF2V (I have mine so not to worry)

From -2879076697062146587
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c1687312e470a66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-04 01:03:09 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!apple!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: What to do with N0MFW?
Summary: bounce
Message-ID: <79@thoreau.nsc.com>
Date: 3 Aug 90 14:21:57 GMT
References: <7880194@hpfcdc.HP.COM> <7880210@hpfcdc.HP.COM>
Organization: National Semiconductor, S. Portland, Maine
Lines: 42
Posted: Fri Aug 3 15:21:57 1990

In article <7880210@hpfcdc.HP.COM>, ajs@hpfcdc.HP.COM (Alan Silverstein) writes:
> > Get on CW, that call has more sex in its bounce than Cher in concert!
>
> Morse. :-) Lessee...
>
>   dahdit dahdahdahdahdah dahdah dididahdit didahdah
>
> I guess I must be missing out on something subtle I haven't
> experienced yet... :-)

The key is in the rythm. With a hand key it becomes obvious;

   daahdi dahdahdahdahdaah dahdaah dididaahdit didahdaaah

The extended final dashes in a character along with the occasional
staccato dots are the characteristic of what was commonly known
as the "Lake Erie Swing". The "Bannana Boat Roll" tends to accent
the individual characters in a pattern similar to the poets iambic

meter. Both of these "swings" are much easier with a "sidewinder" or "sideswiper" key. These keys are constructed to be actuated with a horizontal motion, you form the dots manually as there is no vibrator element. Elements are formed (keyed) on alternating sides as opposed to the "VIBROPLEX" style "BUG" which forms dots on one side and you form the dashes on the other. Many OTs just clamped a hacksaw blade to a vertical support, wrapped friction tape on the free end and mounted a couple of screws to allow contact on either side of the blade. This is a fine way to do it but there is often too much flex in the arm of the key. A stiffer saw blade or some small angle stock attached to the length of the blade makes for a better feel. This type of key is excellent for mobile CW work; it is a more natural movement than that from a straight key and doesn't take the concentration of a "BUG" or an electronic keyer. For those of you who may wish to buy such a beast you might see if INSO Electronic Products is still in buisness. They are the successor to Bunnell and (in 1975) still had a stock of "Sidewinders". They are/were located on Long Island.

Like I said, try it neat, there's a lot of potential in that call.

73,
Ron K3FR

From 737888844475154261
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6689244f30762af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-04 01:04:51 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!apple!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: Communicator Class
Message-ID: <80@thoreau.nsc.com>
Date: 3 Aug 90 15:31:06 GMT
References: <9007260548.AA16565@tecnet1.jcte.jcs.mil>
Organization: National Semiconductor, S. Portland, Maine
Lines: 118
Posted: Fri Aug 3 16:31:06 1990

I own up to the initial comment here and though I may have sounded bitter in my initial posting let me now expand and answer some of the follow on talk.

In article <9007260548.AA16565@tecnet1.jcte.jcs.mil>, mgb@TECNET1.JCTE.JCS.MIL writes:
> >> I don't know about the rest of you but I would prefer not messing up
> >> my back yard! I know all the flames that this comment will generate
>
> >OK, let's get down to the nitty gritty here....
> >

> >   I **DO** want them in MY backyard !!

I do not want them (communicators) on 2 meters, or any lower band for that matter. Maybe I did not make my initial message clear; 2 meters, like 20, IS in many areas of the country, a zoo, one that I would not like a newcommer to experiance. There is a lot of hype about 2 meters being "THE BAND". Why, because thats where most of the "OLD PHARTS" have invested in repeaters and ancilliary equipment. Yes, there are other activities on 144-148 but the weak signal types etc are pretty tollerant of problems and quickly jump to help solve them for the novice. (not required to be a Novice) There is just too much going on on 2 meters to let a horde of newcommers enter with little more in mind than bear reports and ratchet jawing. (Face it, you will get a good number of technical persons and a lot of those who really want to be HAMS but the number of CBers will far and away be the majority.) Keep the Communicators off 2 meters.

> >
> >And because of the fact that I live in a rural-like area, my backyard is
> >stuck at being 2 meters.

With an easier to obtain licence open to 220 voice you will gain a new backyard. If they can't get on 144-148 then if they want to talk they will use 220 which, for this purpose, is just as good.

>
> Ok Phil.. let's for a moment suppose that the Novice License is saved. Where
> THEN is the central meeting ground for ALL of HAM RADIO? Hint... Novices
> already have 220 privileges. We need to populate 220.... and it has
> propagation that (IMHO) rivals or exceeds that on 2 meters. Yes.. I like
> the 220 band and admit I am opinionated about it.
>
> and we also put links on it to 2 meters
> so that we had the OPTION to hook into it and talk to them, just like we
> all have the OPTION to operate Novices on the HF allocated areas. I
>

When are we ALL going to get over the stigma that Novices and Communicators are not HAMS? I may have been bad mouthing one segment of the proposed Communicator population but I have no intention of declaring them anything other than HAMS and treating those who wish to support and defend our precepts of creation as such.

> >> but just consider that for all practical purposes, there is NO difference
> >> between 146, 222 and 440. They are ALL relativly local in coverage
> >> (on average), they ALL have relativly simple equipment requirements
> >> and they ALL have resident hams within easy distance over most of the
> >> country. Where they are different is that more people are needed
>
> >About HALF of the country.
>
> And whose fault is that?
>

For the purposes that Communicators will use these frequencies: datacom, TV, experimenting and just plain communicating on a (relativly) local scale, these frequencies are, on AVERAGE, identical!!!

> >BUT if Communicators do NOT get on 2 meters, then you will be getting what
> >you say, because the Communicators in the rural areas will be getting NO
> >(usable) privileges.

Communicators in rural areas will have useable privileges by the fact that there will be other Communicators in the same rural areas, your point assumes that only a very small group of these people will appear in rural areas. After things have reached a stable state following the inception of the licence class then we should see more activity and a usable 220 band in rural areas.

>
> >> one smacks of slum-lord tactics, later on the slum lord gets the
> >> good press for "trouncing urban blight" by tearing down the slums
> >> and erecting "AFFORDABLE" housing (with HUD money). Did any one
> >> ask the slum lord who would be able to "afford" the housing?
>
> >Make a point, please.

I guess I shouldn't have been so metaphorical in my position on this one. What I was saying is: if you have a resource which is not in a viable posture and you wish to convert it to a model application you can do one of two things. First, you could tear it down, remove it from its current use immediately or, second, you could allow the current users to render it useless and then condemn the resource and take over by right of eminent domain. If you are smart, you even make a profit doing this and get acknowledged as a hero. Now what I am saying in context of amateur radio is this: either dismantel the entire service and get a black eye doing it or let the amateurs destroy the service and then take the frequencies and SELL them to broadcasters, cell-phone and other services. So, let's not chose a path which will be self destructive in the end, loose if we will, let's just put up a fight and make sure the villian is identified as someone else.

> >band, then the "Elmer" can also buy a new UHF radio to talk to him, or
> >leave him alone.
>
> EXACTLY! I like the last option. If elmer wants to help him he can buy
> a 220 Mhz radio and do so, or your repeater group can FUND a 220 repeater
> and help NOVICES too.

And, isn't this the true Ham Elmer spirit? When did you expect your kid to buy a car before you taught him how to drive? You taught him in your car or you got him to driving school.

Well, I guess I did generate a lot of bandwidth with that posting. I apologize for being so tangential in my initial statments. Remember, there is a difference between a novice and a Novice, they are not required to be the same person. Similarly, Novices and Communicators will all be HAMS, so let's treat them like HAMS. Teach them something and they may teach you something, if not technical then possibly behavorial.

73,
Ron K3FR

From -8309638009893801403
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e81a68fbe94506ec,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-04 01:07:08 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!TOPS20.RADC.AF.MIL!POPYACK
From: POPYACK@TOPS20.RADC.AF.MIL
Newsgroups: rec.ham-radio
Subject: Going To England -- Need License
Message-ID: <12610890318.10.POPYACK@TOPS20.RADC.AF.MIL>
Date: 3 Aug 90 17:29:29 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6
Posted: Fri Aug 3 18:29:29 1990

I will be traveling to England some time in the next 8 weeks. Any info
on how long it takes to get a permit to operate in England takes?
Any info on licensing or frequencies would be appreciated. Len

"33"s WF2V

From 7117632142768215733
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8821448c82db68bc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-04 01:13:21 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: chauvinism (if any)
Message-ID: <9008031516.AA19022@tilde>
Date: 3 Aug 90 15:16:32 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Fri Aug 3 16:16:32 1990

What's with Derek Wills? Can't ladies be ladies? Can't they be recognized
as such? I see absolutely nothing chauvinistic in providing activities for
ladies who choose not to be Hams! No one is trying to keep lady Hams out
of the Ham activities, either, either as far as I can tell. Lighten up!
There ought to be room for everyone at the Austin Hamfest.

We are in the 20th century, Derek, so let's not forge into the 21st making
believe there is only one sex.

73,   Dube   N5PDK

From -6627027896475790410
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2a926091a204d70
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-04 01:18:47 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!sdd.hp.com!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!ricks.enet.dec.com!reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: Re: Solving the DXCC mess
Message-ID: <14210@shlump.nac.dec.com>
Date: 3 Aug 90 17:00:12 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 19
Posted: Fri Aug 3 18:00:12 1990

In article <18230024@hpfcdj.HP.COM>, myers@hpfcdj.HP.COM (Bob Myers) writes...
>
>And before you answer, have you listened in on 20 on a regular
>basis, and thought what it would be like to be on the other end of some of
>these pileups EACH AND EVERY TIME you got on the air?

I'd love it! Then again, I have 308 confirmed and am looking for more.

73, jim AD1C

=-=

"The opinions expressed here in no way represent the views of Digital
 Equipment Corporation."

James J. Reisert   Internet: reisert@ricks.enet.dec.com
Digital Equipment Corp.   UUCP: ...decwrl!ricks.enet!reisert
77 Reed Road
Hudson, MA 01749-2895

From 1878576603064368593
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5062c4b3da13c7d1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,5062c4b3da13c7d1,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-08-04 23:13:24 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!ucsd!pacbell.com!pacbell!att!cbnewse!parnass
From: parnass@cbnewse.att.com (Bob Parnass, AJ9S)
Newsgroups: rec.radio.shortwave,rec.ham-radio

Subject: Radio Shack PRO-2006 scanner - product review
Keywords: scanner radio, Hyperscan
Message-ID: <1990Aug5.061324.10795@cbnewse.att.com>
Date: 5 Aug 90 06:13:24 GMT
Followup-To: rec.radio.shortwave
Organization: AT&T Bell Laboratories, Naperville, IL
Lines: 534
Xref: gmdzi rec.radio.shortwave:1775 rec.ham-radio:13635
Posted: Sun Aug 5 07:13:24 1990

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THE RADIO SHACK PRO-2006 PROGRAMMABLE SCANNER

by Bob Parnass, AJ9S

The Radio Shack PRO-2006 is a 400 channel, wide coverage scanner radio, manufactured in Japan by General Research Electronics. It is the successor to the PRO-2005 and a grandchild of the PRO-2004, the super scanner which put Radio Shack out in front of its competition in the base station scanner market.[1]

The PRO-2006 is almost identical to the discontinued PRO-2005, with the exception that the PRO-2006 boasts HyperscanTM, a catchy way of saying that it scans fast -- about 26 channels/second versus the PRO-2005's 16 channels/second rate.[2] At about $400, the PRO-2006 is $20 cheaper than the PRO-2005 was. Both scanners are built using surface mount components and are housed in a gray plastic cabinet.

Frequency Coverage

The PRO-2006 covers 25-520 and 760-1300 MHz, except for 2 gaps in the cellular telephone bands. The two gaps in the 800 MHz range can be restored all the Radio Shack continuous coverage scanners by removing a diode. Diode D502 is the culprit in the PRO-2005 and PRO-2006.

A matrix of diodes, attached to the microprocessor's input port, is often used to configure radios for sale in different markets. The diode matrix on new the PRO-2006 is located on the vertical circuit board just behind the front panel. There are 2 diodes present, and holes drilled for 2 more.

Lots of Memory

---

1. "Product Review: The Radio Shack PRO-2004 Programmable Scanner," by Bob Parnass AJ9S, in The Radio Enthusiast, February 1987, and Monitoring Times, March 1987.

2. "Product Review: The Radio Shack PRO-2005 Programmable Scanner," by Bob Parnass AJ9S, in The Radio Enthusiast, June 1989, and RCMA Journal, August 1989.

The PRO-2006 has the usual features that scanner buffs have come to expect: individual channel lockouts, selectable 2 second rescan delay, an external speaker jack, etc. Casual scanner users don't need 400 channels, but scanner hobbyists can have those channels filled up in no time flat, especially with frequencies in the vast 225-400 MHz military air band, and other federal government allocations.

With so many channels to program, one dreads the thought of a power failure, which could clear memory in a hurry. Not to worry, the PRO-2006 memory is backed up by a conventional 9 volt alkaline battery (not supplied), which should be replaced every 6 months or so.

The 400 channels are divided into 10 banks of 40 channels each, and one can select or deselect any channel bank from the scan list. Individual channels can be locked out in the customary way, but the PRO-2006 maintains the handy feature introduced in the PRO-2004, a LOCKOUT REVIEW. Successive depressions of this key step through the locked out channels.

Scanners worth their keep have a priority feature, with channel 1 usually designated the priority channel. The PRO-2006 is more flexible; any of the 400 channels may be designated the priority channel. When the PRIORITY key is depressed, that channel will be sampled every 2 seconds, and the radio will stay there if a signal is heard.

The PRO-2006 has two scan speeds, which measured approximately 13 and 26 channels/second. While scanning at high speed, the PRO-2006 won't skip over weak signals like some of the AOR-2515 scanners do. Adding diode D501, situated at an unmarked location between D502 and D503 sped up the PRO-2005 scan and search rates by 25%. Adding the same diode in the PRO-2006 has no effect on the scan or search rates.

It has been claimed that a PRO-2005 could be made into a PRO-2006 by merely replacing the CPU clock crystal with one of a higher frequency. Don't believe it. Changing the PRO-2005 clock speed would affect both the rescan delay and the priority rate, and they would no longer be 2 seconds long, as they are in the PRO-2006.

When programming a channel, the PRO-2006 firmware sets the mode automatically, based on its idea of what mode is most prevalent on that frequency. This feature saves extra keystrokes, and makes one appreciate the thought that went into the design of this radio. The default mode can be overridden easily, if need be, like to listen to a military mid-air refueling operation in the 225-400 MHz range, which is mainly populated with AM signals.

Searching

The SEARCH facility found on most programmable scanners allows the entry of a pair of frequencies, then by pressing a key, the radio searches frequencies between those limits. The PRO-2006 allows for 10 pairs of limits! These pairs of limits are stored in their own memory, and don't use up any of the conventional 400 memory channels. One can set up several search pairs, for instance:

- 46.610 - 46.970 MHz: cordless telephones
- 144 - 148 MHz: the 2 meter ham band
- 418.625 - 418.900: Drug Enforcement Administration

Another unique feature of the better Radio Shack models is the MONITOR key, which stops the search and stores the frequency in one of ten special monitor memories. These memories are separate from the 400 main memory channels. The search can be restarted from where it left off by striking the up or down arrow key.

The user can select the search direction (up or down), and step size of 5, 12.5, or 50 kHz, although the PRO-2006 is intelligent enough to select a default step size based on the frequencies being searched. As on the PRO-2004 and PRO-2005, there is a hidden step size of 30 kHz, but this step size is only used in the cellular phone band after restoring full 800 MHz coverage.

The selected parameters are displayed on the LCD panel, smaller than the panel in the PRO-2004.

The DIRECT key allows one to start searching up or down from whatever frequency is on the display. Let's say the scanner is in MANUAL mode, and set at channel 26, which contains 460.100 MHz. Striking the DIRECT then UP-ARROW keys starts the PRO-2006 searching upwards from 460.100. This is a nice feature.

The PRO-2006 contains a "window detector" circuit, which is called into play during a SEARCH operation. This circuit tries to detect when the radio is tuned close to the center frequency of a station, and prevents the search from halting prematurely, off to the side of the signal.

The AFC (automatic frequency control) circuit of the Bearcat 800XLT often causes a search of 850 MHz signals to halt prematurely. Even though the signal sounds on frequency, the display reads the wrong frequency. Neither the PRO-2004 nor the PRO-2006 have this problem.

The PRO-2006 includes a SOUND SQUELCH, resembling the VSC circuit on the ICOM R-7000, which may be used during scan or search operations. With the the sound squelch enabled, signified by a red lamp above the pushbutton, the scanner will skip over unmodulated signals. This is handy for skipping over "birdies", link signals with a constant carrier, or baby monitors when baby is asleep.

The manual warns that the sound squelch may be fooled by signals with low modulation, and skip over them. The PRO-2006 SOUND SQUELCH tries to detect the presence or absence of modulation (not human speech), so unfortunately, it thinks that noisy dead carriers, digital data signals, and paging tones are worth monitoring and will stop the scanner to listen to them.

Taping Facility

A tape recorder can be connected to the TAPE phono jack on the rear panel, which provides 600 mV of audio at a 10,000 ohm impedance. An audio filtering circuit rolls off the high frequency components before they reach the TAPE jack, which makes it impossible to use it for picking off FM subcarrier signals. In addition to a rear mounted external speaker jack, there is a miniature headphone jack on the front of the scanner.

The PRO-2006 lacks a COR (carrier operated relay) output, like ICOM R7000 and older Bearcat 300 have, which would be useful for actuating a tape recorder.

Basic Performance

To evaluate sensitivity, the PRO-2006 was compared with it's grandfather, the PRO-2004. Since a signal generator was not used, quantitative measurements could not be made. Instead, an Antenna Specialists AV-801 antenna was switched between radios, signals from stations were compared by ear, and the results tabulated.

Simply put, the PRO-2006 proved more sensitive than the PRO-2004 on all bands tested, and much more sensitive in the 850 MHz range. The earlier PRO-2005 was also more sensitive

than the PRO-2004, but both the PRO-2005 the PRO-2006 let 800 MHz trunked systems and cellular telephone conversations bleed through while searching the 118 - 132 MHz commercial aircraft band. The 800 MHz interference was heard on the 2005 and PRO-2006, not the 2004.

Although the PRO-2004, PRO-2005, and PRO-2006 can suffer the effects of intermodulation, they are much more immune than the overly sensitive, image laden Bearcat 800XLT. Intermodulation from paging appeared on several frequencies above 1000 MHz, in a region not many people monitor. Oddly, audio from television channel 50 was heard on 1251.625 MHz. The

PRO-2006 has a 10 dB attenuator, operable by a slide switch on the rear. The attenuator helps eliminate intermod, but few people would want the attenuator enabled while scanning or searching as it degrades both wanted and unwanted signals. A programmable attenuator feature, selectable for each channel, would have been a better idea.

The up conversion design of both the ICOM R-7000 and Radio Shack PRO-2006 allows use of a very high IF (intermediate frequency), which helps avoid image problems.

The audio output quality is good, although the top mounted speaker directs the sound at the ceiling, but adding an optional external speaker allows the sound to be directed at the user's head.

Unfortunately, the audio level of AM signals is somewhat below that of NBFM signals, requiring a slightly different setting of the volume control, although this has improved over the PRO-2005. When scanning both AM and NBFM modes, one has to find a compromise position of the volume control.

The PRO-2006 squelch control has a small amount of hysteresis, an improvement over its GRE ancestors. Too much hysteresis is like having too much play in a car's steering wheel, or backlash in a gear set. This hysteresis forces one to keep the squelch at a tighter setting, missing weaker signals when scanning or searching.

Mechanical and Electrical Construction

The newest scanners use tiny surface mount components, which permits manufacturers to cram more circuitry into smaller cabinets. This technology makes home repair and circuit modification almost impossible. The "lick and stick" parts are so small it's are difficult to tell a surface mount resistor from a capacitor, and components are rarely marked with their values.

The PRO-2006 is smaller and lighter than the 2004. It is enclosed in a gray plastic cabinet, with a plastic front panel. If one is going to pay $400, one deserves to own some metal, but several stages are internally shielded in their own metal compartments. The entirely plastic cabinet of the older PRO2003 allowed wideband noise to radiate out of the scanner and into nearby shortwave receivers.

The PRO-2006 vertical front panel is an advancement over the sloping panel of the 2004. You can stack the scanner on top of other equipment and see the controls without standing up. If sitting directly on a table, two hinged plastic feet, padded with rubber bumpers, can fold out from under the front of the radio to tilt it at a good viewing angle.

There is a single BNC antenna connector on the rear of the PRO-2006, and the radio is supplied with telescoping antenna which screws in through a hole in the top of the cabinet.

Internal construction is excellent, and the internal shielding is commendable. Interstage shielding is very important in a wide band receiver, to prevent it from "hearing itself", an undesirable phenomena which results in birdies. The PRO-2006 owner's manual lists dozens of birdie frequencies. The shielding is much better in the PRO-2006 than in the 800XLT, which uses no shielding around the 800 MHz converter stage, and probably accounts for some of the birdies in the Bearcat.

Frequencies and other indicators are displayed on a backlit LCD (liquid crystal display) panel, and the level of backlighting can be dimmed by a pushbutton switch. As with the PRO-2005, the poor contrast on the small LCD panel makes it difficult to read a frequency more than just a few feet away, and is nowhere near as good as the greenish blue fluorescent display in the old Bearcat 300.

However, physically challenged and vision impaired scanner buffs will appreciate the conventional raised rubber keyboard in the PRO-2006, Only moderate pressure is required for actuation, and key depressions are confirmed by a mild "beep" audio tone.

The PRO-2006 is the right size to fit under the dashboard of intermediate sized cars, but there are few concessions to those wanting to use this scanner in a vehicle. Perhaps

Radio Shack has been influenced by repressive laws restricting mobile scanners in a minority of states, like New Jersey.

Although it can be operated on 12 VDC, neither a mobile power cord nor mounting bracket are provided. These items were included with earlier, pre-PRO-2004 Radio Shack models. The AC power cord is not detachable, and would have to be bundled up to keep it out of the way in a mobile installation.

Owner's Manual

The user manual is much better than the fold out sheet furnished with Uniden scanner.

A single page frequency allocations chart is included, but is very general. Trunked radio systems are mentioned, but only briefly. Most people buying PRO-2006s probably have other scanners and so will be somewhat familiar with scanning.

The up conversion design of the Radio Shack PRO-2004/5/6 allows use of a very high IF (intermediate frequency), which all but eliminates image problems. Ironically, the PRO-2006 owner's manual contains a section on images. This section appears in the manuals for most other Radio Shack models, and was thoughtlessly included in the PRO-2006 manual. It babbles on about images being 21.4 MHz away from the real frequency -- true for simpler models, but not so for the PRO-2006.

There is no schematic. Thankfully, detailed service manuals for Radio Shack scanners are usually available for $12.00 or so.

The PRO-2006 is warranted for 1 year, which is reassuring.

What's Missing?

So with all these neat features, what's missing from the PRO-2006? It would have been better to have more channel banks with fewer channels in each bank, say 20 banks of 20 channels. A "search and store" mode, like that on the ICOM R7000 and older Bearcat 250 would have been nice, and such a circuit is being marketed by Key Research. A lighted keyboard and a signal strength meter would also be welcome, as would a mobile mounting bracket and SCA output jack.

A frequency query facility, as found in the Uniden 200XLT, would have been very useful to finding in what memory channel a given frequency is stored.3 Mega-channel scanners

really need this feature and it would have been trivial to implement in the PRO-2006 firmware.

Summary - It's Tops

If all one wants is a scanner to monitor local police and fire, there are certainly cheaper and simpler models than the PRO-2006. This scanner is the best base/mobile scanner available at time of writing. AOR's AR-2515 has more channels, but its buggy firmware and tendency to skip active channels prevent it from taking top honors. At about $400, the PRO-2006 scans much better than the ICOM R7000, a great VHF/UHF communications receiver, priced at over $1000.

The PRO-2006 has the right features and performance, especially for scanning the wide 225-400 MHz military aircraft band and the newer federal law enforcement radio systems with their dozens of channels.

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3. "Uniden/Bearcat 200XLT Scanner Review," by Bob Parnass, AJ9S. The Radio Enthusiast, August 1988.

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Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihlpy!parnass (708)979-5414

```
From -2335900970568225225
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d790022bf46ae57a
```

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 03:41:09 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!trub
From: perley@trub (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: chauvinism
Message-ID: <10779@crdgw1.crd.ge.com>
Date: 4 Aug 90 13:54:54 GMT
References: <9008031516.AA19022@tilde> <43607@apple.Apple.COM>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@trub.crd.ge.com (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 18
Posted: Sat Aug  4 14:54:54 1990
In-reply-to: winter@Apple.COM (Patty Winter)

In article <43607@apple.Apple.COM>, winter@Apple (Patty Winter) writes:
>In article <9008031516.AA19022@tilde> dube@cpdvax.csc.ti.com writes:
>>What's with Derek Wills?  Can't ladies be ladies?  Can't they be recognized
>>as such?  I see absolutely nothing chauvinistic in providing activities for
>>ladies who choose not to be Hams!  No one is trying to keep lady Hams out
>>of the Ham activities,

>I should state up front that in many cases, the organizers are probably
>correct in assuming that this is the kind of activity non-ham wives
>want to attend.

But Chauvanism still runs rampant, even in Patty's post.  No one is
considering the possibility of non-ham husbands at ham fests.  Liberated
or not, they probably won't be interested in most of the "ladies activities"
people have been talking about here.

-don perley
perley@trub.crd.ge.com


From -6169399253387475239
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d790022bf46ae57a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 05:15:54 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: chauvinism
Message-ID: <9008041710.AA20052@ucsd.edu>
Date: 4 Aug 90 17:10:54 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Sat Aug  4 18:10:54 1990

Actually, in the Pacificon announcement, the activity "for the
```

spouses" on Saturday is a shopping safari to San Francisco (from San Jose). Quotes from the flyer "Most of these stores seem to aim at the ladies, but there is shopping for men also."
"This is a repeat from last year by request of many of the gals"

BTW, Pacificon '90 is in San Jose on October 10-12.

From 9003805806065935364
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,275fce33567c4960
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 06:14:25 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: My FCC filing on PR 90-55
Message-ID: <43646@apple.Apple.COM>
Date: 4 Aug 90 19:01:51 GMT
References: <1990Aug4.003257.14087@bellcore-2.bellcore.com>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 48
Posted: Sat Aug 4 20:01:51 1990

karn@envy.bellcore.com (Phil R. Karn) writes:

```
>In the matter of                      )
>                                      )
>Amendment of Part 97 of the           )      PR Docket 90-55
>Commission's Rules Concerning         )
>the Establishment of a Codeless       )
>Class of Amateur Operator License     )
```

My letter to the FCC was text set for a laser printer and is not easily posted (unless you read PostScript :-). The following are the pertinent paragraphs,

"... the author would like to express his sincere appreciation for, and his complete support of, the Commission's attempt to introduce a codeless class of Amateur Radio operator license.

"The author would, however, like to suggest that the new class of operators be given as many priviledges as the International regulations would allow.

"Specifically, if the codeless class were to be administered examinations on theory and rules and regulations commensurate to that administered to the Technician class operators, then there is little just reason why they should not be accorded the same rights and priviledges as a Technician class licensee

> in the Radio spectrum above 30 MHz.
>
> "Further, the author would like to encourage the Commission to eliminate the separate classes of Amateur Radio licenses and perhaps reduce it to simply two classes -- a Codeless (above-30 MHz operations only) and a Code-proficient class (operations in all Amateur Radio bands), with the aim at consolidating to a single class of Amateur Radio operators when International regulations no longer requires Morse code proficiency."

End quote.

Flames to /dev/null or to the FCC, please.

73,

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From 2573558140096403878
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db7de8f93f78ff30,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 06:46:14 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!helios.ee.lbl.gov!nosc!crash!pnet01!harpo
From: harpo@pnet01.cts.com (Michael Harp)
Newsgroups: rec.ham-radio
Subject: test
Message-ID: <3818@crash.cts.com>
Date: 4 Aug 90 19:16:04 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 7
Posted: Sat Aug 4 20:16:04 1990
X-Local-Date: 4 Aug 90 12:16:04 PDT

I plan on taking the novice exam in the next couple of weeks. I have a question, is it a good idea to take the technician element at the same time?

Thanks Mike Harp
UUCP: {hplabs!hp-sdd ucsd nosc}!crash!pnet01!harpo
ARPA: crash!pnet01!harpo@nosc.mil
INET: harpo@pnet01.cts.com

From -3818517649939297449
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3e3295c6f3adf1e1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 07:09:53 PST

Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!ucdavis!csusac!usenet
From: emmonsl@athena.csus.edu (L. Scott Emmons)
Newsgroups: rec.ham-radio
Subject: Re: Frequencies
Keywords: Airshow
Message-ID: <1990Aug4.152212.24072@csusac.csus.edu>
Date: 4 Aug 90 15:22:12 GMT
References: <1909@minnow.sp.unisys.com>
Reply-To: emmonsl@athena.UUCP (L. Scott Emmons)
Organization: California State University, Sacramento
Lines: 68
Posted: Sat Aug 4 16:22:12 1990

In article <1909@minnow.sp.unisys.com> ron@minnow.sp.unisys.com (Ron Burns) writes:

>I would like to know of any radio frequencies used by airshow and demonstration
>teams.

Here's the list of frequencies that have been floating around here lately:

------CUT HERE------
copied from Amateur radio packet:
From: ka2raf@nn2z.ampr.org (Chris Crosby)

```
 Msg# TSP  Size To     @ BBS  From    Date  Time Bid
 7686 PY   3026 KA2RAF        AB4AP  900406 1034
  Subject: SWL - Scanning Airshows
```

MONITORING AIR SHOWS

If you have ever been to an air show then you know the thrill of excitement as the pilots show off there skills, but you could be missing out on the ultimate thrill, that is actually monitoring the pilots and all of the communications that go with what goes on around an air show. The following frequencies have been compiled from various sources including monitoring times and popular communications, most all have been confirmed.

```
 U.S.N. BLUE ANGELS:       ground support 121.90
                nbfm rpt.  142.025 in/out 142.625
                     common airshow 123.40
                   maintenance ch.10    143.60
                          air to air 241.40  250.80   251.60 275.35
                360.40   384.40 395.90  391.90

 U.S.A.F. THUNDERBIRDS     operations           120.45
                          common airshow       123.40
                air-air tactical     140.40  141.85
                air to air           236.60
                solo 5-6             236.55 241.40  273.50  283.50
                team leader          250.85
                air to air           294.70  322.30   322.60
                air-air tactical     394.0   382.90
```

```
                 ground support nbfm  413.025

U.S.A. GOLDEN KNIGHTS        operations           32.30
                   air coordination     123.40
                   primary              42.35

CANADIAN SNOWBIRDS           ch.1   275.80  ch.2   295.60  ch.3   310.80
                   ch.4   227.60  ch.5   243.40  ch.6   240.50
                   ch.7   378.50  ch.8   266.30  ch.9   294.50
                   ch.10  322.80  ch.11  245.70  ch.12  316.50
                   ch.13  344.50  ch.14  356.60  ch.15  236.60
                   ch.16  283.90  ch.17  363.80  ch.18  289.40
                   ch.19  245.0   ch.20  239.80

NONMILITARY FLIGHT TEAMS     common airshow   123.40  123.45
                   showtime control 126.40

Brazilian A.F.   130.55  130.655  132.25

          73 de Brian N5OBF @ WA5DVV
          From N5OBF @ WA5DVV.MS.USA.NA    NN2Z>
------CUT HERE------
```

Hope this offers you what you need...

L. Scott Emmons
----

emmonsl@csus.edu <or> ...[ucbvax]!ucdavis!csusac!athena!emmonsl
Packet: kc6mhs@kg6xx.#nocal.ca.usa.na

```
From -1082954497530714862
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7af86dfe73bbb913
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 07:22:15 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!uc!shamash!mpe
From: mpe@shamash.cdc.com (2375)
Newsgroups: rec.ham-radio
Subject: Re: More ICOM IC-R1 Review
Message-ID: <24215@shamash.cdc.com>
Date: 4 Aug 90 19:44:41 GMT
References: <1990Jul26.001037.21586@portia.Stanford.EDU> <668@dg.dg.com>
<12111@sdcc6.ucsd.edu> <1990Aug1.163555.21458@ux1.cso.uiuc.edu>
<14528@oolong.la.locus.com>
Reply-To: mpe@shamash.cdc.com
Organization: Control Data Corporation, Arden Hills, MN.
Lines: 18
Posted: Sat Aug  4 20:44:41 1990
```

What in the hell do the last 6 articles titled "Re: More ICOM IC-R1 Review" have in common?

Answer: Nothing to do with ICOM, scanners, the IC-R1 model, any of the problems or features of the IC-R1 unit, opinions, etc.....

Please title articles the same way the ingredient lists are drafted on most food products; whatever the most important(highest phyiscal content) first.

This thread should be:
  1) moved to another newsgroup
  2) retitled
  3) referenced to all of the BS published less than three months ago
      in this newgroup (again the wrong place!!!)
  4) ignored

Practice your usefulness and don't follow someone else's poor example with an even stupid'er act.

From 5782849032805802581
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d790022bf46ae57a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 08:16:04 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: chauvinism
Message-ID: <43652@apple.Apple.COM>
Date: 5 Aug 90 00:25:59 GMT
References: <9008031516.AA19022@tilde> <43607@apple.Apple.COM>
<10779@crdgw1.crd.ge.com>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 30
Posted: Sun Aug 5 01:25:59 1990

In article <10779@crdgw1.crd.ge.com> perley@trub.crd.ge.com (Donald P Perley) writes:
>But Chauvanism still runs rampant, even in Patty's post. No one is
>considering the possibility of non-ham husbands at ham fests. Liberated
>or not, they probably won't be interested in most of the "ladies activities"
>people have been talking about here.

Don--

Actually, I did consider that. I just didn't mention it in my posting because I didn't want to dilute the main discussion about the apallingly narrow range of activities for the group that makes up the bulk of non-hams at ham conventions: namely, women.

I guess I assume that men attending ham conventions will be interested in going to the forums even if they aren't hams. Is that a sexist assumption? :-)

As for Doug Faunt's posting about Pacificon, yes, I saw that and noted that the "shopping safari" will be visiting outlets for men's clothing as well as women's. But Doug, would you like to place a bet on whether any men will actually join the shopping trip? :-) I sure doubt it...

Patty
--
```
******************************************************************************
Patty Winter N6BIS                          INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                       UUCP: {decwrl,nsc,sun}!apple!winter
******************************************************************************
```

From -1864146204612595522
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e5828437963dfe4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 10:36:12 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!hellgate.utah.edu!uplherc!wicat!keithm
From: keithm@wicat.UUCP (Keith McQueen)
Newsgroups: rec.ham-radio
Subject: Re: Should I become a ham now or wait?
Message-ID: <477@wicat.UUCP>
Date: 5 Aug 90 04:33:14 GMT
References: <1990Jul25.140643.25493@chinet.chi.il.us> <7880229@hpfcdc.HP.COM>
Reply-To: keithm@wicat.UUCP (Keith McQueen)
Organization: WICAT Systems, Orem, Utah
Lines: 19
Posted: Sun Aug 5 05:33:14 1990

In article <7880229@hpfcdc.HP.COM> ajs@hpfcdc.HP.COM (Alan Silverstein) writes:
>> Will the license structure change so radically or so differently that I
>> will have wished I had waited?
>
>Don't wait. Do it now! Morse code *will* improve your sex life,
>guaranteed. You'll see!

But the hours that it takes to learn it won't! When I took the time to learn the code, my wife was NOT happy. Not only that, she HATES even hearing the code. Even a short repeater ID out of the handie almost always results in a comment of "You're beeping again...".

The only way I can operate code in my house is to either use headphones or just plug the audio into the pk232 and not even listen to it.

--
```
 Keith McQueen, Wicat Systems Inc. , (801)224-6400      | My opinions are |
 N7HMF @ NV7V.UT.USA.NA (84058), 147.34+, 449.675-      | all mine...     |
```

From -8811905522934271272

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11f73b5dc073ff94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 10:44:37 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!PSUARCH.BITNET!PLB
From: PLB@PSUARCH.BITNET ("P Bandini, PSU Arch Dept, 814/863-0062")
Newsgroups: rec.ham-radio
Subject: Re: Costs...
Message-ID: <546E450F76BF00083C@PSUARCH.Bitnet>
Date: 5 Aug 90 08:13:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 71
Posted: Sun Aug 5 09:13:00 1990

Gee, in a matter of days I'm now a "mysterious person"... :*<
Please see my finger.pln for complete address, phone number, and office hours..
No, I'm not in the Cornell area -- that's just how the mailer handles routing.
Actually, I live in Central Pennsylvania, and if I were to rely on you guys for delivery of messages, you'd still be looking for me in the wrong State, having missed me by a couple hundred miles, give or take a few... :*<

So, if I *don't* hear from you about my relative in SF, it could mean that:

1. you don't have any information about her
2. she is dead, but you chose not to pass the info along :*<
3. you can't find me

As for becoming a ham... I might... and I might even be able to convince my cousin in SF... but, Old Auntie from across the bay...? Nah, don't think so.
However, if I were to use my ham license to get a personal message across, wouldn't I be breaking the law? Wouldn't that be "circumventing a commercial carrier"...? (Assuming, of course, that a commercial carrier were operational)
(Which has neither been proved or disproved)
(Which would require a bit more scientific approach to prove/disprove)
(Which can be a waste of time, since we'll always mix emotions with facts)
(Which is a shame, but then again, we're only humans... :*>)

Oh, the "free" service...
I'm kind of tired of hearing about a free service that:

1. I'm paying for.
   Once again: there may be no out-of-pocket monetary transaction at the time the service is rendered, but that's too limited an interpretation of "free", in my opinion.
   If a valuable limited commodity were not given to you for FREE (how do you like that word now?), it could help reduce my phone bill, hence I'm paying for your hobby through my phone bill. Come an emergency, you're doing nothing, at best, but PAY BACK in the form of public service for an exclusive privilege extended to you during normal times. I'll admit that the concept is a bit more complex than that, but the *spirit* if not the *letter* of this simple concept has not been disproved yet.
   If it were, we'd have to conclude that there may indeed be a FREE LUNCH.
   Of course the industry would have to pay for new frequency allocations,

but its customer base would also expand, and the *fixed* cost of some items (towers) would now be divided by a greater number of customers, eventually bringing costs down for everybody.
In any case, be it what it be, whenever the support base of any commercial enterprise has been allowed to expand, costs have come down.

2. has a reliability level which is dubious to say the least.
   More than ever now, I will stick to knowing that my relative is ok when I *hear* her voice. (Go ahead, start laughing as I dial the number...)
   Of course, there is always the PROFIT question... gee, and I thought that was a *plus*... That tells me that the phone company will do all they can to allow my call to go through... if it doesn't, they don't collect. It's not in their best interest that I get a busy signal.
   We've heard both extremes on this forum (phones were the first to collapse... phones never failed...) and it doesn't really matter how many more will add their personal experiences. What I know is that I will stop short of nothing in order to hear her voice. I'm more than willing to pay for the use of your equipment and your time, but you got to find me first, then hand me the mike... deal?

3. can only be used in case of EMERGENCY.
   Emergency - "an unforeseen combination of circumstances or the resulting state that calls for immediate action."
   (Webster's New Collegiate Dictionary, 1977.)
   Unforeseen...? An earthquake in California, UNFORESEEN...???
   A hurricane on the East Coast, UNFORESEEN...???
   Come on, we may not know exactly where and when, but those events are sure as h*ll to occur sooner or later... and with that degree of predictability and a little planning... oh well...
   Now, if we were talking about WW3... :*< :*< :*< :*< :*< :*< :*< :*<

-P. Bandini

==

From -4954178345291297561
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c35c,21f313ed7da457b,start
X-Google-Attributes: gid10c35c,public
X-Google-Thread: 10c9e3,7af86dfe73bbb913
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 10:47:05 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!ucselx!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley)
Newsgroups: rec.ham-radio
Subject: Re: spectrum congestion
Message-ID: <3831@crash.cts.com>
Date: 5 Aug 90 06:16:02 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 37
Posted: Sun Aug 5 07:16:02 1990

kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
>In article <12111@sdcc6.ucsd.edu> lbv@bend.ucsd.edu (Gordon Schlesinger) writes:
>>   I truly wish the rest of the country believed us
>>[southern California] when we say that we know what massive
>>spectrum congestion is all about.
>
>BS Gordon. At least 420-450 is completely empty out here. Listen to it
>sometime. The spectrum is completely "used" by private repeaters that
>are almost never transmitting! You can't get a new allocation.
>
>I think that this "private repeater" idea has got to go if we are to
>keep our spectrum. Just wait until UPS listens to 420-450 here in
>Southern California and decides that they need a chuck of it. All they
>have to do is go to the FCC and tell them that while we have many
>repeaters in the repeater directory, none of them are ever in use!
>The spectrum co-ordinators in Southern California have their collective
>heads in the sand (or smog - whichever is appropriate).
>
>--
>Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

Quite right. I'm in San Diego. The co-ordination group here in SoCal
(SCRBBA) won't even respond to my request for co-ordination (RFC's). And
quite naturally, the current trustees of UHF repeaters don't want any data
published about their boxes. Check out the ARRL repeater directories over the
last few years. All very secret. SCRBBA will stack open machines 3 and 4
deep in SoCal but those with stroke (like SCRBBA insiders) have clear channel
boxes that only burp ocassionally. If it hadn't been for the 220 grab, you
would only see a half a dozen open UHF repeaters listed.   Just tain't fair.
Kinda like professional politicians...

****
Mike Shirley, WB6WUI   INET: mikey@pnet03.cts.com
PO Box 460   ARPA: crash!pnet03!mikey@nosc.mil
Lakeside, CA 92040-0460   UUCP: {hplabs!hp-sdd nosc}!crash!pnet03!mikey
****

From 9146066151450042012
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7668b649cced704
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 11:28:59 PST
Path: gmdzi!unido!mcsun!uunet!midway!linac!uwm.edu!lll-winken!quintro!bpdsun1!dwg
From: dwg@bpdsun1.uucp (David W. Glessner)
Newsgroups: rec.ham-radio
Subject: Re: 2 x 1's ALL GONE IN 2 LAND
Summary: Where are 2 x 1 calls still available?
Message-ID: <1990Aug5.050151.27996@bpdsun1.uucp>
Date: 5 Aug 90 05:01:51 GMT
References: <12610889767.10.POPYACK@TOPS20.RADC.AF.MIL>

Reply-To: dwg@bpdsun1.UUCP (David W. Glessner)
Organization: Harris Broadcast Div., Quincy, IL
Lines: 10
Posted: Sun Aug 5 06:01:51 1990

WF2V writes:
>Sorry folks. I just heard of a AA2AJ in New Jersy two weeks ago. Say
>Bye-Bye to the 2 x 1 calls in 2 land......

Where are 2 x 1 calls still available?

9 land has a few more (just got mine 2 weeks ago).
--
David   WU9A quintro!bpdsun1!dwg@lll-winken.llnl.gov
     ex:WB9VGB   uunet!tiamat!quintro!bpdsun1!dwg

From -278223348296649672
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 11:30:04 PST
Path: gmdzi!unido!mcsun!uunet!samsung!know!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <30500651@ux1.cso.uiuc.edu>
Date: 4 Aug 90 21:50:00 GMT
References: <14117@shlump.nac.dec.com>
Lines: 24
Nf-ID: #R:shlump.nac.dec.com:14117:ux1.cso.uiuc.edu:30500651:000:1195
Nf-From: ux1.cso.uiuc.edu!phil   Aug 4 16:50:00 1990
Posted: Sat Aug 4 22:50:00 1990

> Phil, (and everybody else):
>
>   CW IS VERY RELEVANT TO ALL VHF/UHF/SHF/EHF WEAK SIGNAL WORK.
>
> If you ever operated on 2m during an auroral opening and heard the lids
> trying to use SSB even in the face of severe auroral flutter, then maybe
> you would understand this. I favour the creation of small subbands (of
> perhaps 500 kHz) on each VHF/UHF/SHF/EHF band, where no repeater or FM
> operation is allowed, and where a CW requirement of at least 13 wpm is
> added (current technicians will not be grandfathered). If you can't
> operate CW at a speed of at least 13 wpm, then you don't belong on the
> weak signal portions of the VHF and up bands, EVEN USING SSB!

CW is absolutely NOT relevant to any non-CW operation so therefore a test
in it is just as irrelevant at any speed.

You happen to be interested in CW, and for you, it is a viable means of

communication. But I happen to NOT be interested in it and won't be
using it. I plan to work weak signal SSB soon, and do so NOW with FM
(yes, there is some of that, too).

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From -7426391877770110194
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 11:30:07 PST
Path: gmdzi!unido!mcsun!uunet!samsung!know!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <30500652@ux1.cso.uiuc.edu>
Date: 4 Aug 90 21:55:00 GMT
References: <LPX&-WM@splut.conmicro.com>
Lines: 12
Nf-ID: #R:<LPX&-WM@splut.conmicro.com>:-28:ux1.cso.uiuc.edu:30500652:000:575
Nf-From: ux1.cso.uiuc.edu!phil    Aug  4 16:55:00 1990
Posted: Sat Aug  4 22:55:00 1990
```

> While anyone CAN sue, the most likely people to sue in these cases
> are the crackpots that are also the most likely to fight over
> coordination matters. Your coordinator has nothing to fear from
> you. He may have a lot to fear from some cranky repeater owner
> who is unwilling to give up his frequency.

And of course these are the people we need to remove from amateur
radio as soon as possible, repeater and all.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From 1801327846860942389
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 11:30:08 PST
Path: gmdzi!unido!mcsun!uunet!samsung!know!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <30500653@ux1.cso.uiuc.edu>
Date: 4 Aug 90 21:59:00 GMT
References: <LPX&-WM@splut.conmicro.com>
```

Lines: 11
Nf-ID: #R:<LPX&-WM@splut.conmicro.com>:-28:ux1.cso.uiuc.edu:30500653:000:528
Nf-From: ux1.cso.uiuc.edu!phil   Aug 4 16:59:00 1990
Posted: Sat Aug 4 22:59:00 1990

There is also the concept of HARMFUL interference.

And the FCC policy applies to UNcoordinated repeaters vs coordinated
repeaters. If you KNOW a repeater is on the frequency when you use
its input or output for simplex, the situation is identical. It may
or may not be a violation. I will have to think about that a while,
but if you KNOW its there, you know its there.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 79075816729854422
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2a06411596ec9b1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 11:30:42 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!mailrus!iuvax!news!cartan!ndmath!nstar!towers!brian
From: brian@towers.UUCP (Brian Murrey)
Newsgroups: rec.ham-radio
Subject: Re: Super Morse 3.11 Program Wanted
Message-ID: <80@towers.UUCP>
Date: 5 Aug 90 03:07:07 GMT
References: <9008021523.AA04786@ucsd.edu>
Organization: The Twin Towers - Indianapolis, IN USA
Lines: 14
Posted: Sun Aug 5 04:07:07 1990

I have SM315.ZIP available on my landline BBS. That is the latest verison
that I am aware of. You can download this file by calling 317 882 9330 and
logging in as Ham Radio, use YAGI for the password.

If you can file request via Fidonet, file request SM315.ZIP from node
1:231/30, I support 12 thru 9600 HST speeds.

Brian Murrey - KB9BVN - QTH Indianapolis

```
--
========================================================================
: Brian Murrey - KB9BVN - QTH Indpls : Fidonet: 1:231/30 317-882-9330 :
: UUCP:..towers!brian                : Login:Ham Radio  Password:Yagi :
========================================================================
```

From 2246517274111436655
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,8ee3b078e164e3cb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 11:55:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!decwrl!
ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: My PR 90-55 filing
Message-ID: <9008051309.AA00726@cmr.ncsl.nist.gov>
Date: 5 Aug 90 13:09:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
     formerly National Bureau of Standards
Lines: 494
Posted: Sun Aug  5 14:09:08 1990
```

Before the
Federal Communications Commission
Washington, D.C. 20554

```
In the Matter of
Amendment of Part 97 of the       )
Commission's Rules Concerning     )         PR Docket No. 90-55
the Establishment of a Codeless   )
Class of Amateur Operator License )         Submitted:  23 July 1990
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COMMENTS BY ROBERT J. CARPENTER, OF ROCKVILLE, MD.

MAJOR POINTS

1. There are flaws in the assumptions which have led the Commission to propose a no-code Communicator license class, and thus I oppose its creation. There are very strong reasons for retention of the Technician license. The Commission should cease issuing the General class license, since it differs little from the Advanced class and thus is a needless administrative burden. The Novice license should be retained, but in a five-year, non-renewable form. Finally, I point out serious flaws in the Communicator-with-Code concept, and offer suggestions on bands where the Communicator class should not be permitted, if it is established against my advice.

QUALIFICATIONS

2. I, Robert J. Carpenter, of 12708 Circle Drive, Rockville, MD 20850, have been a licensed amateur (W3OTC) since 1948, and holder of a Class A (now Advanced) class license since 1949. I am a graduate electrical engineer and have done engineering design work in the development of VHF/UHF ground-to-air digital communications (1951-53),

radar map matching navigation (1953-55), VHF meteor-burst data communications systems (1955-59), portable atomic frequency standards (1959-63), VLF digital receivers and spherics direction finders (1970-75), local area computer packet networks (1975-84), and multiprocessor computer performance measurement (1984-90), including the detailed design of semicustom VLSI integrated circuits (1989-90). I was chief engineer of the first FM-stereo broadcasting station in the Washington, DC, area (WHFS), prepared the FCC application, built the transmitter, got it FCC-accepted, built the audio console, etc.

3. I have operated on all amateur radio bands from 3.5 to 450 MHz (except the "WARC" bands), using many operating modes. I specialize in VHF and UHF, particularly the 50 MHz band using SSB and CW. I assembled a 146-MHz FM repeater for AMSAT in the Washington, DC, area, and maintained it for a few years (1972-5). I was one end of the first amateur packet radio contact by meteor burst on the 50 MHz band. I have had confirmed contacts with all 50 states and 6 continents on the 50 MHz band, and have communicated with over 69 countries on that band.

NO NEW LICENSE CLASSES NEEDED

4. As explained below, there is no evidence that the present minimal amateur code proficiency requirement has significantly reduced the number of highly technical individuals in amateur radio. To the contrary, most highly-technical amateurs hold high-code-speed licenses. Thus I see no need for a no-code license to attract technical persons. A no-code license will not attract the technical person who now uses the present code proficiency requirement as an excuse for not having an amateur license, when the real reason is lack of interest or lazyness. Given that a Communicator class will have essentially the same technical exam as the present Technician class, I fail to see how the Communicator class can attract non-technical persons to amateur radio.

Sorted by Amateurs per Capita   Sorted by Density of Stations

Amateurs per Thousand Population	Country or State	Country or State	Amateur Stations /sq mi	Total Population /sq mi
12.*	Japan	Japan	6.5*	844
2.4	California	New Jersey	1.667	985
2.0	Indiana	Netherlands	1.111	931
1.9	Denmark	Great Britain	0.714	601
1.9	New Zealand	West Germany	0.667	626
1.8	USA (50 states)	Denmark	0.625	305
1.8	New Jersey	Belgium	0.417	840

1.5	Sweden	California	0.416	174
1.4	Norway	Indiana	0.294	153
1.3	Australia	Spain	0.200	204
1.2	Netherlands	Italy	0.167	493
1.2	Great Britain	USA (50 states)	0.125	68
1.2	Mississippi	Sweden	0.071	48
1.0	West Germany	France	0.062	252
1.0	Canada	Mississippi	0.062	55
0.96	Argentina	New Zealand	0.062	32
0.93	Spain	Norway	0.045	33
0.49	Belgium	Argentina	0.035	30
0.32	Italy	Australia	0.006	5
0.25	France	Canada	0.006	6

Table 1 - International Amateur Data

* Since Japanese operator licenses never expire, this number is a count of all licenses issued, not a count of currently-active amateurs. For example the 1990 International Call Book lists 34,344 Japanese amateurs, a far cry from the claimed "one million". About 80% are no-code licensees who can operate all modes, 10 W, all bands except 10 and 14 MHz. Japanese amateurs and this factor is reflected in these computations.

5. The accompanying Table 1 illustrates that only in Japan, Denmark and New Zealand do a larger portion of the population hold amateur license than in the U.S. It appears that the vast majority of Japanese "radio amateurs" are, in fact, essentially Citizens' Band operators - and are not even in the International Call Book listing of amateurs. This, even though Japan allows no-code licensees on the long distance propagation bands below 30 MHz in contravention of international conventions. The United States is already nearly at the top among nations in per-capita incidence of radio amateurs. Many of our states have amateur population densities exceeding those of similarly-sized European countries. What percentage of the general population should be radio amateurs?

6. I see no justification for a no-code license, since our present experience (see below) shows that highly-technical people are not put off by a minimal code requirement, and any reasonable technical exam will deter people who have no technical interest in radio. Table 1 shows the U.S. to have among the highest incidences of radio amateurs, yet most of the other countries in the Table have no-code VHF/UHF licenses. This Table indicates that foreign no-code licenses haven't resulted in an incidence of radio amateurs higher than that we already enjoy in the U.S. A possible exception is Japan, which I consider not really comparable because of the perpetual operator's license. The only sure way of increasing these numbers is to debase the licensing requirements.

CODE NOT DISCOURAGING TO HIGHLY-TECHNICAL PERSONS

7. Some say that the code requirement discourages highly technical people from becoming radio amateurs. With this in mind, I have looked into the license class of the people who are active in technically-advanced aspects of amateur radio. I used three sources: a listing of packet-radio activities in QEX newsletter (from the American Radio Relay League), all U.S. amateurs mentioned in the March 1990 issue of the Radio Amateur Satellite Corp. (AMSAT) "Journal", and all "tenth call area" (W0) members of the Central States VHF Society (CSVHF - advanced VHF, UHF, and microwave enthusiasts).

Activity	License Class				
	Extra	Adv.	Gen.	Tech.	Novice
Satellites	15	14	0	0	0
Packet radio	6	6	1	4	0
VHF & Microwave	48	39	15	16	0

Table 2 - License Class Among Interest Groups

While only about 57% of the total U.S. amateur radio population hold 13 or 20 word-per-minute licenses, 100% of the amateurs mentioned in amateur satellite design, construction, and operation held high-code-speed licenses. In packet radio, the activity generally thought to be most interesting to younger "digitally-oriented" amateurs, I find that 76% of those mentioned hold licenses requiring 13 or 20 word-per-minute code. Over 86% of the VHF/UHF/microwave experimenters and operators in CSVHF held licenses requiring 13- or 20-wpm code. This data shows no evidence that a CW requirement has discouraged technical people from becoming radio amateurs. To the contrary, ALMOST ALL OF THE PEOPLE IN HIGHLY-TECHNICAL ASPECTS OF AMATEUR RADIO HOLD 13- or 20-WPM LICENSES. This refutes a major argument for a code-free license class.

CODE PROFICIENCY FUNDAMENTAL TO BAND-SHARING

8. Radio amateurs share their frequencies among many modes of operation, an important one being radiotelegraph code. For this sharing to work, all amateurs must have some knowledge of the code to be able to comprehend the activity of the other amateurs sharing the band. The Commission will receive other Comments pointing out the importance of code in emergency and VHF/UHF weak-signal situations. The fundamental requirement is that all amateurs have at least a minimum code proficiency so that these and other code activities can take place without unknowing interference from no-code amateurs sharing the same bands.

CONTINUE ISSUING TECHNICIAN CLASS LICENSES

9. I urge that the Technician license continue to be issued, and that Technician operating privileges be expanded to allow operation on (a) additional HF CW frequencies - about 40% of the HF CW bands, (b) all amateur frequencies and modes above 28 MHz. Technicians should be limited to a power of 200 watts below 30 MHz. Thus the Technician class will be recognized as a transitional class with full VHF-and-up privileges, moderate-power all- mode privileges on the 28-MHz band, and substantial moderate-power CW privileges on most of the HF bands. In many respects its privileges would be similar to those of the old Class B license. THE TECHNICIAN CLASS SHOULD BE A VALUABLE "ALL-BAND" LICENSE.

10. I oppose the creation of a no-code Communicator license class. However, if the Commission choses to create such a class, the solution to the problem of Communicator-with-code, set forth below, is to retain the Technician class of license. The requirements of any possible Communicator written examination should be same as for Technicians. Technicians are, of course, required to take element 1A, code at 5 wpm. The FCC's proposal for Communicator-with-Code specifically mentions the continued use of test element 1A. If the Communicator-with-Code has taken all the examination elements appropriate for a Technician license, why not issue the Tech? The Technician class recognizes the considerable use of CW on the bands below 220 MHz, and the international CW requirement below 30 MHz.

ISSUE NO NEW GENERAL-CLASS LICENSES

11. The Commission has proposed phasing out the Technician and Novice classes, which I think is an error. This drastic proposal has caused me to examine other license classes. General and Advanced classes have the same code requirement and they differ by only a written examination designed to ensure more adequate technical knowledge. I feel that the General-class technical requirements are not adequate for full-power HF operation. The General class appears to exist primarily as the result of the grandfathering of the old Class B license to General, and Class A to Advanced, at a time when equipment was much simpler than today, and when the bands were much less crowded. The Class B license had radiotelephone privileges only on the 160- and 10, 6, 2 meter and up bands. If I remember correctly, 40-meter phone and 15 meters were added after the change to General class. These restrictions are similar to the current Technician license. The Technician class allows HF code operation, (which I suggest be

broadened) which was not foreseen when both the General and Advanced classes were created. The Technician class already fills the place of the former Class B license. I do not believe that anyone can show that the differences between the present Advanced and General classes can justify the expense and administrative burden of continuing to issue both of them. I propose that no new General-class licenses be issued, but that present General licenses be renewable indefinitely. Future applicants desiring more than 200 watts on HF, and other HF operating privileges beyond the Technician level, would have to demonstrate the technical knowledge required of Advanced-class amateurs.

NOVICE LICENSES RETAINED WITH A SINGLE FIVE YEAR TERM

12. The Novice license should be retained as an entry route, primarily for the very young and old. However, it should be non-renewable. It was created to allow an easy entry to amateur radio through CW with on-the-air learning, an admirable goal. There must be some minimum knowledge level for competent operation of the highly- complex ALL-MODE amateur equipment of today. The Novice exam does not require this minimum level. Thus I propose that the Novice license be restricted to CW operation, and that all Novice licenses expire after a single five-year term. This is enough time to allow the Novice to learn enough to obtain a higher-class license. I also propose that Novice license exams be administered under the Volunteer Examiner (VE) system, so that Novices can be given CW (element 1A) and Radio Regulations credit toward all the higher-class licenses. Volunteer examiners are allowed to collect a fee to cover expenses, there are many examples of this being waived. I am sure that the fee will be waived for the participants in many of the license-preparation classes, and should thus not be a burden to the young. In any case the fee is roughly the same as the cost of a movie ticket or two. The Technician technical exam should not pose a problem to anyone 12 years old who is seriously interested in amateur radio. A person could be licensed as a Novice as young as 7 and still reach the 12-year-old educational level before a five-year Novice license expired. I considered a ten-year expiration, but feel the five-year period is adequate and provides a more immediate incentive for self-improvement.

TECHNICIAN CLASS SOLVES COMMUNICATOR-WITH-CODE PROBLEM

13. The Commission notes that its automated license processing system can handle only ONE additional class of amateur license, then it actually proposes TWO additional classes, Communicator-without-Code and Communicator-with-Code. These are disguised as one class, but the holder must use a callsign suffix when using the additional operating

privileges, even though FCC proposes the same privileges as the to-be-phased-out Technician class. How does the Commission propose to fit these two variations of the Communicator class in the single "slot" in its licensing system? In order for amateur radio's self-policing to be effective, the FCC's amateur licensee database (which supplies license-class information to the Callbook) must reflect the -with-Code and -without-Code status for each Communicator licensee.

14. A much better solution than suffixes and two versions of the Communicator class is to retain the Technician class of license. I believe the requirements of any Communicator written exam should be the same as the Technician exam. The FCC's proposal for Communicator-with-Code specifically mentions the continued use of test element 1A. If the Communicator-with-Code has taken all the examination elements appropriate for a Technician license, why not issue the Technician license? I contend that retaining the Technician class is much simpler and more straightforward than having sub-classes within the Communicator class.

COMMUNICATORS, IF CREATED, SHOULD OPERATE ABOVE 220 MHz

15. Should the Commission create a Communicator class, I urge that it be limited to frequencies above 220 MHz. No-code operation on bands below 30 MHz would be unworkable. Communicators operating below 30 MHz would have international effect - even if they communicated only with US stations, they would interfere worldwide. Long distance radio wave propagation is a natural phenomena not subject to modification by Federal regulation. I am a strong supporter of increased use of higher-VHF and UHF amateur allocations, and feel official promotion of greatly increased use of busy low-VHF bands (by Communicators) would be extremely short-sighted. Communicators, if required to operate above 220 MHz, would NOT be in a backwater of amateur radio. The 420-450 MHz amateur band is already used by enough experienced amateurs to ensure continual contact between Communicators and existing experienced amateurs. I am convinced that present amateurs having Communicator spouses or friends would become active on the higher bands. If the Commission makes its allocation decisions based on perpetuating lowest-common-denominator operating habits, rather than urging increased use of the thoroughly-practical higher bands, it will be doing amateur radio a great disservice. The Commission may receive comments noting limited present activity, even on the 430-450 MHz band, in places like Wolf Point, Montana, or even Houghton, Michigan (which is well north of the population center of Canada). It should also note that these are very sparsely populated areas, unlikely contain many amateurs, new or old. The September, 1989, FCC

amateur data base showed 25 amateurs in Houghton (pop. 7,500), which is about 70 miles from the nearest larger town (Marquette).

16. Nearly every mode of radio propagation occurs on the 6-meter band. The "weak-signal" amateurs in the lower end of the band have become expert in the practical aspects of these many modes, a valuable educational aspect of amateur radio. This band is the amateur band best-suited to meteor-burst communication, which is becoming more common as the necessary computers become part of amateur stations. A number of 50 MHz stations communicate by ionospheric scatter on a very reliable and regular basis. These and other modes employ very weak signals and sensitive receivers, often require use of CW, and their users value the cooperation of the amateur community that operates at the low end of the band. This operation is entirely incompatible with the normal big-signal FM and packet operation which predominates on most parts of the VHF and UHF bands, and which would doubtless attract the vast majority of the Communicators.

17. The upper part of the 6-meter band is adjacent to TV channel 2. Even the best TV set can't reject strong nearby signals in the upper part of the 6-meter band. The Commission is asking for trouble if it encourages widespread use of the upper portion of the 6-meter band by numerous 200-watt Communicator stations in residential areas. Channel-2 TV stations also have substantial (but legal) lower sideband output within the upper part of the 6-m band, which makes that portion useless for weak-signal amateur use. Many of the weak-signal modes require use of the full legal amateur power.

18. An operating privilege once given (Communicators on 6 m and 2 meters) is very hard to take away; thus some initial conservatism is in order.

SIMPLIFIED EXAMINATION SEQUENCE

19. My suggested licensing structure allows a simplified examination structure, as follows:

Class	Code Exam	Written Exam
Extra*	20 wpm	Same as Advanced plus Extra theory
Advanced	13 wpm	Same as Technician plus advanced HF theory
General		NO NEW GENERAL-CLASS LICENSES SHOULD BE ISSUED
Technician	5 wpm	Same as Novice plus VHF, UHF and intermediate HF theory
Novice	5 wpm	Regulations plus simplified HF theory
If the Communicator class is created against my advice:		
Communicator	none	Same as Technician

Table 3 - Suggested Examination Constituents

* Though not germane to the present proceeding, I feel that the Commission should phase out the Amateur Extra class. The reserved Extra-class subbands are used primarily to contact foreign amateurs who have not passed a 20-wpm code exam, thus there seems little justification for the 20-wpm requirement for US amateurs on these subbands. I am sure that the Volunteer Examiner system can establish some sort of accreditation for its code examiners to substitute for the Extra-class requirements.

CLASS-CHANGE SUFFIXES USELESS

20. I am disappointed that the Commission persists in pursuit of "administrative neatness" by having recently-upgraded stations use a distinctive suffix when using the new privileges. For example, the FCC proposes to require the PERMANENT use of a suffix when Communicator-class licensees use Technician-class privileges. There are two major problems: (1) the perpetual use of the suffix is unwieldy, and (2) the suffix serves no useful enforcement or administrative purpose, as shown below:

Enforcement Station Responses

Situation	FCC Requires Suffix	No Suffix Required
Use of Higher Privilege without Authorization	Must look up in listing to see if upgrade issued.	Must look up in listing to see if upgrade issued.
Use of Higher Privilege with Authorization	Operation is legal	Operation is legal

Table 4 - Upgrade Suffixes Useless for Enforcement

The listing of upgraded stations can never be up-to-date because of inherent processing delays. Why, then, require use of an unwieldy "upgrade" suffix? It would be a particular impediment on CW on the HF bands, where it would be permanently required for Communicators unless the FCC adopts my suggestion to continue to issue Technician licenses.

SUMMARY

21. The General class represents an unjustifiable processing burden, and is inadequate for full-power HF operation, and should be phased out. The Technician class is important as a transitional class with full VHF-and-up privileges, while offering substantial, limited-power HF

privileges. The Technician written exam is within the grasp of anyone who has mastered the technical skills necessary to operate the full range of modes possible with modern amateur radio equipment. The Novice license should be non-renewable. It should be limited to CW operation, since its technical testing is inadequate to demonstrate the capability to operate complex multimode equipment.

22. The proposed no-code Communicator class of license is a mistaken attempt to increase the quantity of radio amateurs by eliminating the fundamental common knowledge of CW - necessary for effective band-sharing. However, should the Communicator class be created, it should be limited to the thoroughly-practical-but-lightly-used frequencies above 220 MHz, and its written exam should be the same as that for the Technician class. Then there would be no need for the Communicator-with-Code confusion.

23. We cannot afford a proliferation of different classes and endorsements with infinitesimal differences and a special test for each. As mentioned above, I feel that the Commission should phase out the Extra class. Following my suggestions, the FCC would have a reduced number of classes being newly-licensed:

Extra*, Advanced, Technician, Novice.

* The Commission should initiate proceedings to cease issuing the Amateur Extra class license. The General Class should also be phased out, as mentioned above.

Respectfully submitted,

Robert J. Carpenter

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From 1568713897363391086
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 12:11:43 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <16831@ucsd.Edu>
Date: 5 Aug 90 17:31:26 GMT
References: <14117@shlump.nac.dec.com> <30500651@ux1.cso.uiuc.edu>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 8
Posted: Sun Aug  5 18:31:26 1990
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Were I to do weak-signal work, I'd use a properly-designed and

easily-built digital signal processing receiver. Such can receive and
decipher signals so far down in the noise that you couldn't even tell
there was a CW signal there.

The supposed advantage of CW for weak-signal work is an illusion with
recent technology.
     - Brian

From -8526132688638033378
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 13:48:18 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <2832@anasaz.UUCP>
Date: 5 Aug 90 15:07:31 GMT
References: <31.Jul.90.10:57:43.BST.#2288@UK.AC.NWL.IA> <LPX&-WM@splut.conmicro.com> <2814@anasaz.UUCP> <1120@ke4zv.UUCP>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 30
Posted: Sun Aug 5 16:07:31 1990

In article <1120@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
]In article <2814@anasaz.UUCP> john@anasaz.UUCP (John Moore) writes:
]>There is a significant difference between the computer on Usenet and
]>a repeater. The computer does not tie up any significant natural resource.
]>The repeater does: its frequency pair. Here in Arizona its frequently hard
]>to coordinate frequency for an open repeater, simply because closed
]>systems already control the frequencies for an area. I think this
]>is completely wrong, and an abuse of the public trust. I am opposed
]>to the coordination of ANY closed repeater. Sure... put up a repeater
]>and close it. But don't expect it to have any claim on either the
]>input or output frequency! If I want to carry on a simplex conversation
]>on the input frequency, using the repeater's PL, that is my right!
]
]Unfortunately it is not your right, the FCC calls it intentional
]interference if there is a conversation going on thru the repeater
]at the time. It has always been considered bad amateur practice
Interference is interference. It has not relevance to this discussion.
In other words, no matter what frequency I operate on, if I cause
interference INTENTIONALLY, it is "malicious interference" and is
against the law.
]to operate simplex on a repeater input frequency whether the repeater
]is open or closed or even if there is no local repeater at all.

Yeah, this is true. I should have said "output frequency."

--

John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From 245934890548477535
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 13:48:22 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <2834@anasaz.UUCP>
Date: 5 Aug 90 15:16:26 GMT
References: <31.Jul.90.10:57:43.BST.#2288@UK.AC.NWL.IA> <LPX&-WM@splut.conmicro.com> <104963@philabs.Philips.Com>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 34
Posted: Sun Aug 5 16:16:26 1990

In article <104963@philabs.Philips.Com> rfc@briar.philips.com.UUCP (Robert Casey) writes:
]In article <LPX&-WM@splut.conmicro.com> jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard) writes:
]>Here, repeaters can be placed on the air by any ham with a Technician or
]>higher class license. Sometimes, for various reasons, the person
]WA2ISE> or club who
]>sunk thousands of dollars into the machine wants people who use it to
]>help him with the expense of maintenance and operation, as well as the
]>up-front cost of the machine.

Gee... we have never had trouble getting funding for our OPEN repeaters.
I would suspect that repeaters that are USEFUL are easy to get funding
for. A few years ago, six of us in AZ put up a wide area 440 link system
(with 8 repeaters on 7 sites) called NORTHLINK. We funded it initially
by using our own money, and doing tower/site work for commercial
folks to get money and site agreements. We then allowed users to
contribute $15.00 per year IF THEY WANTED TO. We get plenty of
money, and are using it to expand the system. I should point out
that this is the ONLY OPEN 440 link system in the area. All others
are closed.
]>
]I have gotten the impression (from somewheres) that if you join one repeater
]group that runs an open machine, that you don't need to join (ie, fund) other
]machines that you might occasionally use. And that your group lets other
]people from other repeater clubs use yours.

I think that, in general, if you use an open repeater a lot, you
should contribute to the costs. If you use it occasionally, you

don't need to, although it might be a good idea.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -2732882386006005284
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c1687312e470a66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 13:49:52 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!usc!apple!portal!cup.portal.com!Jeepster
From: Jeepster@cup.portal.com (John L Ferguson)
Newsgroups: rec.ham-radio
Subject: Re: Phonetics for NJ6A (Was: Re: What to do with N0MFW?)
Message-ID: <32468@cup.portal.com>
Date: 5 Aug 90 19:13:04 GMT
References: <7880194@hpfcdc.HP.COM> <7880236@hpfcdc.HP.COM>
Organization: The Portal System (TM)
Lines: 10
Posted: Sun Aug 5 20:13:04 1990

>How 'Bout getting a Tech license? :-)

That is my tech license. I hadn't had my novice license for a week when I
went to take the tech test. Because of such a short time, I decided to keep
ooit. :^)

BTW, you were hitting the .310 machine real nice from Crystal Peak (why
isn't it called peak 11?).

John KB0HBX

From -4433651942083150509
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e94575c2325fe0b7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 14:05:42 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9008052037.AA12022@ucsd.edu>
Date: 5 Aug 90 20:26:57 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 393

Posted: Sun Aug 5 21:26:57 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

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- Current NASA Prediction Bulletins #728 -
Alouette 1
1 00424U 62B-A  1 90213.56126765  .00000113  00000-0  12769-3 0  3349
2 00424  80.4620 241.3369 0023710 152.5665 207.6741 13.67369876388892
ATS 3
1 03029U 67111  A 90207.50644462 -.00000074  00000-0  99999-4 0  3983
2 03029  13.2587  20.9024 0014142 205.4306 154.5442  1.00272664 83184
Cosmos 398
1 04966U 71 16  A 90214.25518174  .00044212  17586-4  24786-3 0   152
2 04966  51.5381 122.5901 2244138 234.6765 102.2600 11.12048780596819
Starlette
1 07646U 75010  A 90211.59848099 -.00000070  00000-0 -73932-5 0   901
2 07646  49.8275 347.2096 0206345 334.8032  24.2914 13.82142015781784
LAGEOS
1 08820U 76039  A 90212.73712970  .00000002  00000-0  00000 0 0   872
2 08820 109.8548  10.3744 0044537 228.6595 131.0123  6.38664299 76786
GPS-0001
1 10684U 78020  A 90212.31289109  .00000007  00000-0  99999-4 0  4668
2 10684  63.7216  88.1883 0118492 197.0053 162.6784  2.00556940 76730
GPS-0002
1 10893U 78 47  A 90213.78793697 -.00000024  00000-0  00000 0 0  2155
2 10893  64.3729 329.0087 0165376  25.7047 335.1176  2.00543399 89587
GOES 3
1 10953U 78062  A 90211.81586133  .00000101  00000-0  99999-4 0  9316
2 10953   7.0490  65.9426 0007981  73.9520 286.1776  1.00264034  5072
SeaSat 1
1 10967U 78064  A 90211.03232100  .00000362  00000-0  16852-3 0  3576
2 10967 108.0229  48.5952 0002757 237.4170 122.6717 14.35763653632601
GPS-0003
1 11054U 78093  A 90212.57367133 -.00000024  00000-0  00000 0 0  2514
2 11054  63.8904 325.3053 0060471 119.7694 240.8722  2.00567639 86578
Nimbus 7
1 11080U 78098  A 90212.28428394  .00000056  00000-0  66944-4 0  6863
2 11080  99.1931 116.2023 0009113 331.3700  28.6953 13.83445590594137
GPS-0004
1 11141U 78112  A 90210.18292618  .00000007  00000-0  00000 0 0  4155
2 11141  63.7423  88.1302 0059046 317.4488  42.1622  2.00555432 85226
GPS-0005
1 11690U 80 11  A 90211.82015637  .00000008  00000-0  00000 0 0    02
2 11690  64.2079  90.2028 0117037 202.6222 156.9293  2.00555295 91113
GPS-0006
1 11783U 80 32  A 90213.62307121 -.00000024  00000-0  00000 0 0  1842
2 11783  63.6643 324.8318 0150534  60.4829 301.0202  2.00558771 75236
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1 12472U 81049  A 90212.60473344 -.00000133  00000-0  99999-4 0  9529
2 12472   3.5786  75.3203 0001445  18.9240 341.0928  1.00209145 32672
DE 1
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2 12624  88.9828 147.4623 6207260 267.0419  25.2891  3.51013195263814
SME
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2 12887  97.6354 264.6364 0004794 170.0479 190.0665 15.53968569488425
Salyut 7
1 13138U 82 33  A 90213.75439440  .00041012  00000-0  37667-3 0  4134
2 13138  51.6012  72.9078 0001611 107.0310 253.0412 15.67284358471993
Cosmos 1383
1 13301U 82 66  A 90205.18997288  .00000065  00000-0  69127-4 0  5860
2 13301  82.9304 273.6543 0029342  59.5230 300.8798 13.67836495402733
LandSat 4
1 13367U 82 72  A 90214.89213772  .00000437  00000-0  10687-3 0  4066
2 13367  98.1622 276.4966 0003680   6.0655 354.0587 14.57146189428102
IRAS
1 13777U 83  4  A 90210.33765708  .00000434  00000-0  32502-3 0  7962
2 13777  99.0258  46.4781 0011368 272.6716  87.3146 13.98805600 52837
Cosmos 1447
1 13916U 83 21  A 90205.04152463  .00000080  00000-0  78460-4 0  7350
2 13916  82.9461 344.8084 0039515  38.7114 321.6872 13.74051320367731
TDRS 1
1 13969U 83 26  B 90213.00000000  .00000128  00000-0  99999-4 0   476
2 13969   4.5982  65.5244 0003611  78.6772 354.3112  1.00273125   417
GOES 6
1 14050U 83 41  A 90212.73356037  .00000117  00000-0  99999-4 0  2221
2 14050   2.3382  77.8034 0001540  38.8957 321.0821  1.00267798   185
OSCAR 10
1 14129U 83 58  B 90213.38340590 -.00000040  00000-0  00000 0 0  5370
2 14129  26.0300 191.8633 5956580 164.0685 229.3243  2.05880742 25669
GPS-0008
1 14189U 83 72  A 90213.61841789  .00000006  00000-0  99999-4 0  8086
2 14189  63.3838  86.4473 0146717 219.2157 139.7864  2.00703022 51674
LandSat 5
1 14780U 84 21  A 90214.85159838  .00000653  00000-0  15501-3 0  2709
2 14780  98.2026 274.2236 0002369  96.6490 263.4978 14.57126606341510
UoSat 2
1 14781U 84 21  B 90205.02567339  .00000791  00000-0  15456-3 0  7626
2 14781  97.9470 256.3744 0013301 126.9258 233.3151 14.65505065341363
GPS-0009
1 15039U 84 59  A 90214.24512809  .00000005  00000-0  00000 0 0  9973
2 15039  63.1458  85.6372 0021409 234.1271 125.7542  2.00611820 44963
Cosmos 1574
1 15055U 84 62  A 90213.88541391  .00000059  00000-0  57135-4 0  9179
2 15055  82.9548  28.6163 0026300 193.6227 166.4220 13.73365882306344
GPS-0010
1 15271U 84 97  A 90211.17743625 -.00000024  00000-0  00000 0 0  8739
2 15271  63.1900 324.4425 0106067 327.5876  31.7824  2.00557604 42010
Cosmos 1602
1 15331U 84105  A 90214.30962756  .00002363  00000-0  32048-3 0  3320
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2 15331  82.5397 318.1595 0022805 176.6663 183.4736 14.78358894314909
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2 15427  99.1702 215.2099 0014262 237.9861 121.9924 14.12627762290498
Cosmos 1686
1 16095U 85 86  A 90214.77436298  .00099582  00000-0  89651-3 0  7140
2 16095  51.5953  67.7189 0000235 261.6829  97.3363 15.67403020273251
GPS-0011
1 16129U 85 93  A 90210.87899794  .00000006  00000-0  00000 0 0  5606
2 16129  63.9080  86.7185 0124701 148.7347 212.0815  2.00510242 35217
Mir
1 16609U 86 17  A 90214.06942670  .00025844  00000-0  27505-3 0  8303
2 16609  51.6117  98.9718 0010145 210.3673 149.5918 15.63769492255270
SPOT 1
1 16613U 86 19  A 90213.66124111  .00000255  00000-0  13739-3 0   515
2 16613  98.7320 287.5102 0001924  76.8568 283.2745 14.20023993 70381
Cosmos 1766
1 16881U 86 55  A 90214.52458543  .00003777  00000-0  52156-3 0  1055
2 16881  82.5173  16.9478 0018938 198.0755 161.9753 14.77804953215997
EGP
1 16908U 86 61  A 90212.49430114  .00000050  00000-0  65988-3 0  2396
2 16908  49.9964 119.7728 0009598 311.3654  48.6346 12.44388724180379
NOAA 10
1 16969U 86 73  A 90214.31016340  .00000447  00000-0  21224-3 0  4566
2 16969  98.5959 241.2203 0014303 132.9171 227.3210 14.23676806201178
MOS-1
1 17527U 87 18  A 90213.69157368 -.00000008  00000-0  73460-5 0  6267
2 17527  99.1066 285.6576 0000838  74.7860 285.3394 13.94874689175607
GOES 7
1 17561U 87 22  A 90207.07432870 -.00000103  00000-0  99999-4 0  5729
2 17561   0.0242 156.4166 0003530 253.6528 181.5636  1.00278511  5832
Kvant-1
1 17845U 87 30  A 90214.83630080  .00018587  00000-0  19920-3 0  2106
2 17845  51.6119  95.0877 0010383 215.6463 144.4822 15.63821434255394
DMSP B5D2-3
1 18123U 87 53  A 90214.32935346  .00000000  00000-0  99999-5 0  6604
2 18123  98.8176  44.3117 0013522 250.8652 109.1057 14.14088976160926
RS-10/11
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2 18129  82.9276 294.7635 0011690   0.1222 359.9925 13.72099926155716
Meteor 2-16
1 18312U 87 68  A 90213.08863250  .00000219  00000-0  18868-3 0  4688
2 18312  82.5480 254.6954 0012569 119.3220 240.9087 13.83665308149197
Meteor 2-17
1 18820U 88  5  A 90213.00818807  .00000207  00000-0  17517-3 0  3310
2 18820  82.5469 314.8299 0016340 193.8613 166.2098 13.84356958126380
DMSP B5D2-4
1 18822U 88  6  A 90214.94005049  .00000695  00000-0  33489-3 0  5907
2 18822  98.6391  92.9962 0007284 129.1840 230.9986 14.21499673129467
AO-13
1 19216U 88 51  B 90207.83376489 -.00000161  00000-0  99999-4 0  1425
2 19216  56.9457 143.8599 6997822 232.2254  41.6809  2.09704260 16239
OKEAN 1
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1 19274U 88 56  A 90214.87255421  .00001326  00000-0  18370-3 0  9039
2 19274  82.5179 115.3041 0021338 335.1960  24.8165 14.77170750111813
Meteor 3-2
1 19336U 88 64  A 90214.45986581  .00000391  00000-0  99999-3 0  5447
2 19336  82.5311 244.6792 0016232 193.4369 166.6226 13.16898788 97045
NOAA 11
1 19531U 88 89  A 90214.38006495  .00000199  00000-0  12981-3 0  3260
2 19531  98.9831 162.7448 0012964 148.9182 211.2741 14.11654711 95481
TDRS 2
1 19548U 88 91  B 90204.00000000  .00000115  00000-0  99999-4 0  1457
2 19548   0.2228  81.8393 0004382  63.7946 340.6711  1.00271163   617
Cosmos 2001
1 19796U 89 11  A 90213.55473646 -.00001076  00000-0  99999-4 0  5783
2 19796  63.3492  87.1864 7070016 319.8805   5.3077  2.00557178 10716
GPS BII-01
1 19802U 89 13  A 90214.30341833  .00000016  00000-0  99999-4 0  1495
2 19802  55.0372 195.6116 0053183 165.8113 194.3283  2.00644720 10677
Akebono
1 19822U 89 16  A 90214.33848563  .00016291  00000-0  97726-3 0  7038
2 19822  75.0962 216.2105 4172628 192.3378 153.1841  7.12852384  3122
Meteor 2-18
1 19851U 89 18  A 90214.36519984  .00000003  00000-0 -24622-5 0  2786
2 19851  82.5229 191.6632 0012991 231.1114 128.8887 13.83990721 71954
TDRS 3
1 19883U 89 21  B 90204.00000000 -.00000235  00000-0  99999-4 0  1480
2 19883   0.2485  80.7470 0002018 132.5800  46.4494  1.00263623 75316
GPS BII-02
1 20061U 89 44  A 90209.06841396 -.00000033  00000-0  00000 0 0  1461
2 20061  54.7902  14.1650 0087574 174.1143 186.0045  2.00484641  8312
Nadezhda 1
1 20103U 89 50  A 90214.49985253  .00000055  00000-0  52809-4 0  1775
2 20103  82.9596 250.8557 0035860 269.5310  90.1736 13.73601701 54078
GPS BII-03
1 20185U 89 64  A 90209.47384760  .00000016  00000-0  99999-4 0  1372
2 20185  54.9206 196.6351 0023373 161.0141 199.0610  2.00622687  6899
Activnyi
1 20261U 89 80  A 90213.63972423  .00000739  00000-0  23079-3 0  6391
2 20261  82.5969 199.7029 1256567 235.6270 111.9625 12.43817767 38244
Activnyi RB
1 20262U 89 80  C 90214.59252884  .00000157  00000-0  47561-4 0  2674
2 20262  82.6028 199.1749 1259783 233.7538 114.0613 12.43236315 38362
Magion 2
1 20281U 89 80  B 90213.59916252  .00000825  00000-0  25653-3 0  6347
2 20281  82.5946 199.6373 1256238 235.5323 112.0748 12.44086933 38247
GPS BII-04
1 20302U 89 85  A 90209.33421711 -.00000027  00000-0  99999-4 0  1383
2 20302  54.6320 315.4260 0031893 317.6591  42.0933  2.00370395  5696
Meteor 3-3
1 20305U 89 86  A 90214.44808768  .00000031  00000-0  68690-4 0  1856
2 20305  82.5546 185.3678 0015133 208.9864 151.0419 13.15861924 37034
COBE
1 20322U 89 89  A 90209.07536234  .00001889  00000-0  12471-2 0  1527
2 20322  99.0224 218.8850 0007683 252.4080 107.6247 14.02629692 35224
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1 20335U 89 93  A 90214.77238862  .00027627  00000-0  29289-3 0  3284
2 20335  51.6105  95.4143 0010437 213.7942 146.2833 15.63825124 39042
GPS BII-05
1 20361U 89 97  A 90191.06758882  .00000015  00000-0  99999-4 0   883
2 20361  54.9603 139.4444 0064503  48.5942 311.9250  2.00581338  4184
SPOT 2
1 20436U 90  5  A 90214.61263377  .00000315  00000-0  16580-3 0  3064
2 20436  98.7327 288.5075 0000732  89.7973 270.3288 14.20025702 27331
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1 20437U 90  5  B 90214.46984135  .00000600  00000-0  25499-3 0  1895
2 20437  98.6975 290.4431 0011280  25.1180 335.0555 14.28669130 27470
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1 20438U 90  5  C 90214.50215826 -.00000218  00000-0 -79003-4 0  1095
2 20438  98.7001 290.4493 0010657  24.0878 336.0803 14.28399163 27472
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1 20440U 90  5  E 90214.45083661  .00000328  00000-0  14594-3 0  1028
2 20440  98.7012 290.5603 0012180  26.9213 333.2600 14.28820055 27471
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1 20441U 90  5  F 90210.09544302  .00000253  00000-0  11609-3 0  1019
2 20441  98.7021 286.2426 0013063  37.8054 322.4043 14.28910787 26856
LO-19
1 20442U 90  5  G 90214.49767531 -.00000029  00000-0 -37353-5 0  1018
2 20442  98.7012 290.6535 0013003  26.2010 333.9830 14.28982489 27484
GPS BII-06
1 20452U 90  8  A 90211.55522538  .00000002  00000-0  99999-4 0   833
2 20452  54.5297 254.1934 0028547  42.4190 317.8728  2.00872220  3711
MOS-1B
1 20478U 90 13  A 90214.22196716  .00000094  00000-0  83534-4 0  3718
2 20478  99.1888 284.2445 0000345  86.9772 273.1429 13.94837081 24554
DEBUT
1 20479U 90 13  B 90210.11254104 -.00000005  00000-0  16953-4 0   956
2 20479  99.0366 248.7026 0540669 313.6564  42.0895 12.83157781 22122
FO-20
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2 20480  99.0352 248.7001 0540709 313.7049  42.0437 12.83138676 22120
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1 20491U 90 13  D 90214.59513853 -.00000317  00000-0 -57435-3 0  1042
2 20491  99.0338 257.3170 0470420 282.5418  72.3474 13.02725901 22441
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2 20494  51.6097  96.0620 0010623 215.5110 144.5421 15.63822283 26930
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2 20508  82.9514  25.8063 0043201 216.4390 143.3825 13.73221253 21351
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2 20510  82.5240  54.7407 0021126 120.2554 240.0775 14.73299062 22944
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1 20523U 90 21  A 90213.92326442  .00024799  00000-0  17808-2 0  2430
2 20523  28.3499 323.8564 0018260 310.0638  50.3787 15.02877326 21338
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HST
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2 20580  28.4686 315.8425 0005845 251.8426 108.1532 14.84673370 14849
Kristall
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2 20635  51.6067  96.0683 0010131 214.5984 145.4481 15.63815336255363
ROSAT
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2 20638  52.9885 326.8089 0015955  44.1557 316.0698 14.97741876  5108
1990 049B
1 20639U 90 49  B 90186.77313651  .00012056  00000-0  52549-3 0   363
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2 20643   0.1487 277.8879 0004816 163.5074 278.7114  1.00269441   243
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2 20645  27.1777 158.6411 7466348 194.5605 117.5635  2.10584253   563
Molniya3-38
1 20646U 90 52  A 90200.10814418  .00000037  00000-0 -73888-3 0   474
2 20646  62.8398 222.1210 7408122 280.1598  10.9867  2.00631672   753
1990 052D
1 20649U 90 52  D 90193.14108054  .00000552  00000-0  64582-3 0   218
2 20649  62.8452 223.2199 7449528 280.1064  10.7836  1.96250117   588
Gorizont 20
1 20659U 90 54  A 90200.67565930 -.00000191  00000-0  99999-4 0   309
2 20659   1.4506 269.2197 0018148 241.1368 119.4968  1.00255697    73
1990 054D
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2 20662   1.4948 269.1293 0015655 296.6548  63.6942  1.00512434   255
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2 20663  62.8053  82.4265 0125965   8.1706 352.1652 14.66814477  4062
1990 055D
1 20666U 90 55  D 90197.68699122  .00001667  00000-0  27488-3 0   193
2 20666  62.7952  91.3973 0121322  14.4345 346.0168 14.69533585  3647
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2 20667   0.3291 256.9693 0023207 329.7099 133.1088  1.00259988   355
1990 056C
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1 20669U 90 56  C 90205.34975916  .00004894  00000-0  18629-2 0   212
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Meteor 2-19
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2 20670  82.5424 251.8511 0016551 152.1456 208.0591 13.83841624  4938
1990 057B
1 20671U 90 57  B 90207.11694478 -.00000105  00000-0 -99625-4 0    90
2 20671  82.5443 257.7573 0015324 175.4728 184.6575 13.84158391  3900
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2 20683  51.6193 340.1312 0013279 299.0372  60.9418 15.47972349  3411
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2 20685  28.5009 186.2510 0535126 319.5119  36.6840 14.97132608  2731
1990 059B
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2 20686  28.4942 185.8720 0508945 320.2242  36.2278 15.03531314  2736
RESURS-F7
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2 20687  82.3164  85.4867 0013887 265.0846  94.9086 16.03982403  2559
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2 20693   1.4454 271.7395 0004703  87.4907 270.7567  1.00260843   146
1990 061D
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2 20696   1.4808 271.5433 0029707  43.5544 316.9569  1.00177006    80
Cosmos 2086
1 20702U 90 62  A 90214.30004357  .00090392  00000-0  99124-4 0   315
2 20702  82.3260  79.4974 0024178  56.6144 303.7608 16.08794179  2070
1990 063A
1 20705U 90 63  A 90208.10514989 -.00000041  00000-0  81493-1 0    25
2 20705   1.3605  90.8451 3764069 178.6274 182.6557  1.61613293    37
1990 063B
1 20706U 90 63  B 90210.15031343 -.00000038  00000-0  99999-4 0    87
2 20706   0.1599  99.7680 0618171 168.5001  84.6295  1.09466846    14
1990 064A
1 20707U 90 64  A 90213.75156050 -.00000956  00000-0  20947-2 0   210
2 20707  62.8961 165.0719 7364905 318.4194   4.5085  2.00561843   150
1990 064B
1 20708U 90 64  B 90214.85694065  .00704828  10528-4  11520-2 0   165
2 20708  62.8223 136.1522 0219983 122.1467 240.1417 15.71386543  1279
1990 064C
1 20709U 90 64  C 90214.81917525  .02520977  38651-4  10018-2 0   241
2 20709  62.8579 135.8847 0204375 124.4299 237.6267 15.90339643  1271
1990 064D
1 20710U 90 64  D 90210.72132522  .00000551  00000-0  29506-2 0    58
2 20710  62.8663 165.5358 7332581 318.3806   4.6134  2.04535888    83
1990 065A
1 20712U 90 65  A 90208.58498307 -.00002360  00000-0 -23842-2 0    35
2 20712  18.1506  46.6174 7125005 200.8258 101.2545  2.43360234    58
1990 065B
1 20713U 90 65  B 90210.23911688  .00007480  00000-0  76893-2 0    88
2 20713  18.0395  46.5881 7132184 201.4867  99.2998  2.42483356    99
```

```
1990 063C
1 20717U 90 63  C 90209.71361025  .00001397  00000-0  32606-2 0    35
2 20717   3.8843  90.0463 7248103 181.1323 175.2785  2.25151649    78
1990 066A
1 20720U 90 66  A 90214.13164057 -.00000007  00000-0  00000 0 0   106
2 20720  73.6038 311.3980 0026117 270.3500  89.4550 12.40569593   385
1990 066B
1 20721U 90 66  B 90214.21115782 -.00000007  00000-0  00000 0 0    84
2 20721  73.6032 311.2882 0024432 272.7366  87.0884 12.41008325   391
Soyuz TM-10
1 20722U 90 67  A 90214.01663208  .00141432  00000-0  81686-3 0    41
2 20722  51.6135  99.3675 0044111 129.8551 230.6687 15.76267969   108
1990 067B
1 20723U 90 67  B 90214.85798661  .15585621  60489-4  28989-3 0    86
2 20723  51.6138  94.5089 0004444 235.9719 124.4869 16.47295060   247
1990 068A
1 20724U 90 68  A 90214.82951677  .00013453  50522-5  99999-4 0    17
2 20724  37.6687 185.4858 6077735 199.7764 120.4846  4.03733088    35
1990 068B
1 20725U 90 68  B 90214.85066957  .01378807 -21715-4  12420-2 0    44
2 20725  30.1338 177.6623 0261552  19.3546 341.6491 15.68979878    92
```

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

---

From 5329049533744629849
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 15:54:04 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <26426@usc.edu>
Date: 5 Aug 90 22:40:01 GMT
References: <14117@shlump.nac.dec.com> <30500651@ux1.cso.uiuc.edu>
<16831@ucsd.Edu>
Sender: news@usc.edu
Organization: EE-Systems, USC, Los Angeles
Lines: 21
Posted: Sun Aug 5 23:40:01 1990
Nntp-Posting-Host: pollux.usc.edu

In article <16831@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>Were I to do weak-signal work, I'd use a properly-designed and
>easily-built digital signal processing receiver. Such can receive and
>decipher signals so far down in the noise that you couldn't even tell
>there was a CW signal there.
>
>The supposed advantage of CW for weak-signal work is an illusion with
>recent technology.

>   - Brian

But this technology is not available anyplace except the research lab at the present time. Therefore, CW still holds a strong advantage. When this technology makes it onto the market, and is published about in the amateur magazines (fat chance of that in the USA), then I will agree with you. I still don't know anything about this technology, except that people have claimed that it exists, because it's not my field. I would like to know more. Perhaps you can point me to a couple of papers?

--
Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From 8283886663568402072
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 17:46:42 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!sdd.hp.com!decwrl!sun-barr!newstop!texsun!csccat!adept!alan
From: alan@adept.UUCP (Alan Ruffer)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <312@adept.UUCP>
Date: 6 Aug 90 00:46:42 GMT
References: <14117@shlump.nac.dec.com> <30500651@ux1.cso.uiuc.edu> <16831@ucsd.Edu>
Reply-To: alan@adept.UUCP (Alan Ruffer)
Organization: Perfect Partners Inc., Sulphur, LA
Lines: 27
Posted: Mon Aug 6 01:46:42 1990

In article <16831@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>Were I to do weak-signal work, I'd use a properly-designed and
>easily-built digital signal processing receiver. Such can receive and
>decipher signals so far down in the noise that you couldn't even tell
>there was a CW signal there.
>
>The supposed advantage of CW for weak-signal work is an illusion with
>recent technology.
>   - Brian

This is a valid point. However, I think you are overlooking the fact that this type of equipment does not come FREE. I have seen quite a few people break into ham radio using tube and hybrid rigs because they could not afford the fancy new appliances with all the bells and whistles. The advantage of CW is real in weak signal work. The illusion is that technology solves all of our problems. Then again I only have 22 years of licensed operation to draw my conclusions from...
FLAMES >> /dev/null

Alan R. Ruffer - WB5FKH

```
+----------------------------------------------------------------------+
| Alan R. Ruffer @ Perfect Partners, Inc.                              |
| Route 1 Box 1745                                                     |
| Sulphur, LA 70663             UUCP: {csccat,holston}adept!alan       |
| (318) 527-8316 (Voice)                                               |
+----------------------------------------------------------------------+
```

From 4771578828l9859472
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 22:09:36 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!know!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <30500654@ux1.cso.uiuc.edu>
Date: 5 Aug 90 21:05:00 GMT
References: <LPX&-WM@splut.conmicro.com>
Lines: 9
Nf-ID: #R:<LPX&-WM@splut.conmicro.com>:-28:ux1.cso.uiuc.edu:30500654:000:415
Nf-From: ux1.cso.uiuc.edu!phil   Aug 5 16:05:00 1990
Posted: Sun Aug 5 22:05:00 1990

> there is an outstanding lawsuit against you! Furthermore, some pretty
> ridiculous lawsuits still win - ask the WestCARS folks about that!

Could someone post the whole story here? Please include the name and
call sign of the LID/asshole who filed the suit.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -9045165319868546650
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d6f919d241def312,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 22:44:29 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Taking the exams
Message-ID: <9008060242.AA03637@tilde>
Date: 6 Aug 90 02:42:37 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8

Posted: Mon Aug 6 03:42:37 1990

Brian Kantor mentioned that the VE's in his area required the applicant to take the CW portion before they'd give the writtens. I don't think that is the intent of VE testing. I don't see any reason why ANY applicant should be denied the opportunity to take a written and (if he/she passes) get credit for it. After all, it should be good for a year during which time the candidate can pick up the CW (speed).

73,   Dube   N5PDK

From 7772940156702511358
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ce56ca7015b9c3ad,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 22:44:31 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Chauvinism
Message-ID: <9008060248.AA04005@tilde>
Date: 6 Aug 90 02:47:58 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Mon Aug 6 03:47:58 1990

Don perley writes "Liberated or not, they probably won't be interested in most of the 'ladies activities' people have been talking about here".

Why not lets us let *them* make the decision. If only a few are interested that's still no reason to deny them that activity just because there are some thin-skinned people who manufacture offense at it.

73   Dube   N5PDK

From 1025185311203406388
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,648001d149aa9733,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 23:09:01 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: ARRL 27: TEST RELIEF FOR DISABLED
Message-ID: <30500658@ux1.cso.uiuc.edu>
Date: 6 Aug 90 00:53:00 GMT
References: <1578@n8emr.UUCP>
Lines: 19
Nf-ID: #R:n8emr.UUCP:1578:ux1.cso.uiuc.edu:30500658:000:1025

Nf-From: ux1.cso.uiuc.edu!phil   Aug 5 19:53:00 1990
Posted: Mon Aug 6 01:53:00 1990

> Do any of the Volunteer Examiners allow people to take the rules or
> technical elements of the exam BEFORE you've passed the corresponding
> code tests? Around here, you have to get past the code before they
> will let you take a crack at the written parts of the exam.

When I took my Technician exam, the VE's tried to get me to go ahead and take the Advanced and Extra written exams. They also suggested I take the code test as well even though I knew I could not pass it. I turned them down. But now that I think about it, if I had taken those tests and carried exam credit, I might have be just a bit more encouraged to relearn code. Maybe someday.

Besides, having taken and passed the code test will mean more PERSONALLY for me AFTER it is no longer REQUIRED because I will know that it was done NOT under duress. I wil have achieved it TOTALLY on my own.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -3480335666511304383
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db7de8f93f78ff30
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 23:09:31 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: test
Message-ID: <30500659@ux1.cso.uiuc.edu>
Date: 6 Aug 90 00:57:00 GMT
References: <3818@crash.cts.com>
Lines: 14
Nf-ID: #R:crash.cts.com:3818:ux1.cso.uiuc.edu:30500659:000:634
Nf-From: ux1.cso.uiuc.edu!phil   Aug 5 19:57:00 1990
Posted: Mon Aug 6 01:57:00 1990

> I plan on taking the novice exam in the next couple of weeks. I have a
> question, is it a good idea to take the technician element at the same time?

I assume from this you will be taking the Novice where you have a chance to also take a Technician.

The answer is that it really does not matter. Go ahead and take it, and if you pass, great, BUT you still have to wait for a call sign. At least then you won't have to go through the phase of UNLEARNING to say "Interim

KT".

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -6344071712339361905
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7af86dfe73bbb913
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-05 23:09:37 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!know!
zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!
phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: spectrum congestion
Message-ID: <30500660@ux1.cso.uiuc.edu>
Date: 6 Aug 90 01:02:00 GMT
References: <3831@crash.cts.com>
Lines: 23
Nf-ID: #R:crash.cts.com:3831:ux1.cso.uiuc.edu:30500660:000:1142
Nf-From: ux1.cso.uiuc.edu!phil   Aug 5 20:02:00 1990
Posted: Mon Aug 6 02:02:00 1990

> Quite right. I'm in San Diego. The co-ordination group here in SoCal
> (SCRBBA) won't even respond to my request for co-ordination (RFC's). And
> quite naturally, the current trustees of UHF repeaters don't want any data
> published about their boxes. Check out the ARRL repeater directories over th
> last few years. All very secret. SCRBBA will stack open machines 3 and 4
> deep in SoCal but those with stroke (like SCRBBA insiders) have clear channel
> boxes that only burp ocassionally. If it hadn't been for the 220 grab, you
> would only see a half a dozen open UHF repeaters listed.   Just tain't fair.
> Kinda like professional politicians...

This is one reason the FCC won't (and WISELY) touch the issue of making
coordinators official. There could be some awesome legal problems in
doing so.

It's groups that behave that way that are effectively inviting coordinator
wars.

Think about where the AUTHORITY of a coordinator to deny a coordination
SHOULD come from?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 8409986170371026175
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8da2ef6a3bd6f02a

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 00:24:22 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Traps to take out Images, QRM e
Message-ID: <30500657@ux1.cso.uiuc.edu>
Date: 6 Aug 90 00:47:00 GMT
References: <622@entec.Wichita.NCR.COM>
Lines: 5
Nf-ID: #R:entec.Wichita.NCR.COM:622:ux1.cso.uiuc.edu:30500657:000:218
Nf-From: ux1.cso.uiuc.edu!phil   Aug 5 19:47:00 1990
Posted: Mon Aug 6 01:47:00 1990

What about a SHORTED HALF-WAVE stub at the undesired frequency?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 5277758995729276534
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 00:25:10 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <30500656@ux1.cso.uiuc.edu>
Date: 6 Aug 90 00:40:00 GMT
References: <14117@shlump.nac.dec.com>
Lines: 73
Nf-ID: #R:shlump.nac.dec.com:14117:ux1.cso.uiuc.edu:30500656:000:3378
Nf-From: ux1.cso.uiuc.edu!phil   Aug 5 19:40:00 1990
Posted: Mon Aug 6 01:40:00 1990

> CW IS RELEVANT to all weak signal operation at VHF/UHF/EHF/SHF
> frequencies, because when signals are weak (as they often are), then
> there is only one way to get through, and that is CW. In the contests,

Why is it necessary for someone who is only interested in working SSB DX
to "get through" when SSB can't do it?

> As I said before, you can work weak FM signals, but you aren't working a
> "weak signal" mode. "Weak signal" modes implies narrow bandwidth. FM,
> even NBFM, is far too wide. FM also has the problem that you must
> almost saturate the limiter before you get a usable signal. You loose
> about 10 - 15 dB right off the bat, even if you don't consider the

> losses from the wider signal.

Wrong. You can get a readable signal on FM before the limiter is even near saturation. It isn't full quieting, but that's part of the game. FM isn't the best mode for it, but it sure works a lot better than you make it out to, which makes me suspect your abilities to work voice.

But I'd rather use SSB and NOT CW.

> If you do show up in the weak signal portion of the band, using SSB, and
> the time comes to use CW, and you refuse, then you are a lid. Using SSB
> is just fine for chatting with your buddies in the next state only 250
> miles away, but you will find that you will often _NEED_ CW when working
> weak signal modes. When you refuse, because of incompetance or any
> other reason, then you are a lid. I hope that when the time comes to
> use CW, that you will either use CW or get off the air.

You STILL misunderstand what motivates me to operate weak signal DX. The motivation does not include CW because I am interested in SPECIFICALLY getting a particular KIND of information through: VOICE. CW does NOT get VOICE through, and the VOICE is what I am interested in.

We have DIFFERENT interests in weak signal work, but you are calling me a LID and trying to keep me out just because I won't conform to your methods of operating. How would YOU feel if *I* was calling you a LID for demanding I change my goals on voice, and tried to get you off the air for not operating the way I would?

If the signal level is such that SSB cannot get through, the only thing I will be interested in at that time is to find another station that I can work with SSB. I'm not interested in working the station CW. Don't try to dictate to me what I should be interested in.

If I happen to be operating ATV at the time, I'm NOT going to be in the mood for someone complaining about a P0 picture and trying to get me to switch to SSB or something JUST TO WORK ME. When I am on ATV then I am on for working ATV and that's it. When I am on SSB I'll be there to work SSB and that's it.

Ken...

Your life would be a LOT nicer if everyone knew CW at 13 WPM or more. So petition the FCC to add:

97.1 Basis and Purpose.

The rules and regulations in this Part are designed to provide an amateur radio service having a fundamental purpose as expressed in the following principles:

(a) ...
(b) ...
(c) ...
(d) ...

(e) ...
(f) Contribute to the well being, convenience, and happiness of operators who prefer, at times, to operate using manually keyed Morse Code Telegraphy.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 976770025185006157
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1152b8,a0dc1626955f16a4,start
X-Google-Attributes: gid1152b8,public
X-Google-Thread: 10c9e3,a0dc1626955f16a4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 06:32:37 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ukma!husc6!genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.aviation,rec.ham-radio
Subject: STS Radio help
Message-ID: <38256@genrad.UUCP>
Date: 6 Aug 90 12:10:00 GMT
Sender: news@genrad.UUCP
Followup-To: poster
Lines: 33
Xref: gmdzi rec.aviation:5780 rec.ham-radio:13638
Posted: Mon Aug 6 13:10:00 1990

I have an airplane band HT which is proving to be quite useless. It seems that the battery will not stay charged long enough to use it. The radio is an STS 600 (I think???) walky. I do not have the owner's manual and there never was a schematic included there anyway. I also know that STS has long since gone out of business.

If I put the HT on the wall charger (the battery is a SEALED 7.2volt case), then I can turn on the radio and use it normally. After charging it for 18 hours or so, if I use it immediately, I can listen to it for an hour or so before it goes dead. If I try storing it FOR ANY LENGTH OF TIME (like from my room at UWisconsin down to the Oshkosh airshow), the radio is already dead by the time I try turning it on.

ShellEy had suggested that that the internal clock was draining the battery, so simply remove the battery until use. That did NOT work. It was still dead when I reattached the battery.

As I said, the battery is SEALED, so I can't get at each cell individually and check them. Note that this is the second battery. The first one was doing the same thing, so I bought a new one (at $60) and still get the same results. This radio COULD be useful to me as a DFer (for 121.5....I'm in CAP)....I have used it as such a couple of times in past....but it's been quite frustrating to use, since it's almost always dead when I need to use it.

Any suggestions would be in order.

Thanks much.

```
->Diana L. Syriac      dls@genrad.com         Ham: KC1SP(1 super pilot)   <-
->I'D RATHER BE FLYING!PVT, SEL, INST         CAP: 1LT, Freedom 690 Mobile<-
->GenRad                                     <-
->MS/6, 300 Baker Ave, Concord, Mass.  01742   (508) 369-4400 x2459        <-
```

From -5428411662652058527
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-06 06:46:23 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Summary: repeater wars
Message-ID: <968@ssc.UUCP>
Date: 6 Aug 90 03:26:52 GMT
References: <31.Jul.90.10:57:43.BST.#2288@UK.AC.NWL.IA>
<1990Aug1.213344.1217@bellcore-2.bellcore.com>
Organization: very little
Lines: 26
Posted: Mon Aug 6 04:26:52 1990

In article <1990Aug1.213344.1217@bellcore-2.bellcore.com>, karn@envy.bellcore.com
(Phil R. Karn) writes:
>
>
 Yes, a closed repeater is the property of its owner and he
> doesn't have to let anyone use it. On the other hand, the channel on
> which it operates is NOT his property, and he has no right to deny
> it to others who would operate an open repeater on it.

WHAT??!? I know that no one individual OWNS a frequency, just like
a broadcaster doesn't OWN the frequency that they are licensed to transmit
on. But I think this tactic of moving an "open" repeater onto an
existing repeater's frequency has been tried in L.A., and was always
resolved in favor of the repeater that was coordinated there first!

Was the above REALLY written by the normally sober and level-headed
Mr. Karn?

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW

USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 3006587506854352566
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6dd70594c00b6d1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 07:15:40 PST
Path: gmdzi!unido!mcsun!uunet!wang!tegra!vail
From: vail@tegra.COM (Johnathan Vail)
Newsgroups: rec.ham-radio
Subject: Re: ICR1 and ICR100 available ex-st
Message-ID: <1156@atlas.tegra.COM>
Date: 2 Aug 90 14:15:40 GMT
References: <672@dg.dg.com> <30500633@ux1.cso.uiuc.edu>
<1990Jul31.184147.25445@ux1.cso.uiuc.edu>
Organization: Tegra-Varityper, Inc., Billerica, MA
Lines: 36
Posted: Thu Aug 2 15:15:40 1990
In-reply-to: kline@ux1.cso.uiuc.edu's message of 31 Jul 90 18:41:47 GMT

In article <1990Jul31.184147.25445@ux1.cso.uiuc.edu> kline@ux1.cso.uiuc.edu
(Charley Kline) writes:

> phil@ux1.cso.uiuc.edu writes:
> >However if it does turn out they delete the cellular frequencies then
> >I will certainly fuss, complain, and raise hell, and encourage everyone
> >else to do the same.

Did I miss something? I originally heard that the problem was a patent dispute involving some kind of scan mode or something really stupid like that. Later I read (in 73 or QST or something) that it wasn't that at all but rather just production delays and marketing decisions. They can't keep up with the S series transcievers yet so they decided not to gear up on the R-1 yet. Nothing at all having to do with cellular.

> My IC-24AT allows me to enter frequencies in the cellular band when I enable extended receive, but claims that the synthesizer won't lock up in that range. Since it locks up solidly just above this, in the 902MHz band, I wonder if it's just lying to me and was programmed not to allow reception at these frequencies by faking an unlocked synthesizer.

I think that your 24 may be slightly frobbed. Mine is stable up to about 940. Even there is recieves, just the `U' blinks on and off.

On a similar note: has anyone got the out of band TX mods to work?
We couldn't get it to go with the Icom mods.

Thanks and 73s, jv

"UNIX is a virus from outer space"

```
 -----
|     | Johnathan Vail | n1dxg@tegra.com
|Tegra| (508) 663-7435 | N1DXG@448.625-(WorldNet)
 -----  jv@n1dxg.ampr.org {...sun!sunne ..uunet}!tegra!vail
```

```
From -6347484160576134063
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15f001619fe06696
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 07:23:49 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!wuarchive!emory!hubcap!bjb
From: bjb@hubcap.clemson.edu (BJ Backitis )
Newsgroups: rec.ham-radio
Subject: Re: call signs
Message-ID: <9970@hubcap.clemson.edu>
Date: 2 Aug 90 14:23:49 GMT
References: <10675@crdgw1.crd.ge.com>
Organization: Clemson University, Clemson, SC
Lines: 32
Posted: Thu Aug  2 15:23:49 1990
```

From article <10675@crdgw1.crd.ge.com>, by perley@trub (Donald P Perley):

> In article <591@skipper.dfrf.nasa.gov>, disbrow@skipper (Jim Disbrow) writes:
> On the same note, in 2 land the extra calls are getting
> close to WZ2Z. What comes after that? I may be taking the
> test next week (if I can nail down all those element numbers
> and space rules :-) and want to figure out whether to go
> for a new call.
>

Well, people in 4 and 6 land have had to deal with that now for a while. When the 1x2 and 2x1 calls are gone from the extra group, you will get a 2x2 call starting with AA. Here in 4, we are up to AC4xx in the extra groups, and are almost out of tech/general calls (we are in N4Zxx, and close to N4ZZZ). Heck, the novice calls have gone thru most of the KC4xxx calls!

Personally, I would hate an AC4xx call, so when I get my extra (not IF, but WHEN...), I'm keeping my call and I'm gonna look for a job where there are 1x2/2x1 calls left!

Not to bring up a old topic, but it is getting almost necessary for the FCC to recover old calls and reissue. I'm not saying that I like the idea, but there may not be very many other choices left.

BJ

--

```
BJ Backitis (KM4RB)       | BJB@CLEMSON.BITNET     | "There are a great many
Info. Systems Development | BJB@HUBCAP.CLEMSON.EDU | people in this country
Clemson Univ. Division of | {...}!emory!hubcap!bjb | who, through no fault of
Comp. & Info. Technology  | All usual disclaimers  | own, are sane."
```

From 9219053840405125012
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe1482054b817262
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 07:57:40 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!mcgp1!couric
From: couric@mcgp1.UUCP (Carl Couric)
Newsgroups: rec.ham-radio
Subject: Re: Cellular telephone as emergency service?
Message-ID: <3660@mcgp1.UUCP>
Date: 2 Aug 90 14:57:40 GMT
References: <1990Jul20.175844.8030@ariel.unm.edu> <1530050@hpsad.HP.COM>
Reply-To: couric@mcgp1.UUCP (Carl Couric)
Organization: McCaw Cellular Communications, Inc., Seattle
Lines: 89
Posted: Thu Aug 2 15:57:40 1990

In article <1530050@hpsad.HP.COM> mikew@hpsad.HP.COM (Mike Weihman) writes:
>> From: ee5391aa@hydra.unm.edu (Duke McMullan n5gax):
>
>> So what really happens? Can anyone in the Bay area tell us what happened on
>> the cellular links during the big shakeup a while back? Some of you must
>> KNOW what happens to the cellular services in these situations. Would
>> you be willing to share your tales?
>
>As I remember, the cellular system was operating, although overloaded
>and slow like the rest of the network.
>

Sure Was, I work for Cellular One in Florida. We are owned by McCaw communications in Seattle (IF you noticed my id). Under a hurricane for Florida or an earthquake for Calif, you know people want to know whats going on. AT&T was busy to the point they didn't try to charge for some of the long distance as everyone was calling in and out to see if Aunt June has crushed by a brick wall or the 880 interstate.

>1) If one is making a call from a cellphone to another cellphone in
>   the same cell, the signal is routed only through that cell
>   site repeater. But if the call is to ANY other cell or to ANY
>   wireline telephone, and this means the vast majority of calls, then
>   the signal is routed to cellsite #1, then to the cell hub
>   either by microwave link or by phone trunk, then to the wireline
>   network or to cellsite #2, as appropriate. That's a bunch of
>   places to fail; probably more than if the call went twisted
>   pair the whole way.

Guess again, What do you think twisted pair does??? Wake up! We send the call to the hub that is closest to the exchange. Thats why if I call a West Palm Beach number from Miami, its thru our network, not the local Bell company. SO, if Ma Bell can't get you thru, we might be able to.

> If the cell hub CO goes down (or the uwave dish is thrown out
> of aim), all the users of that whole system are out of luck.
> If a cell site fails or loses a tower, you'd have to find a
> working cell somehow and hope it wasn't swamped.

If the uwave dish is thrown out, its got to kill both dishs. If Both are out, we attempt physical dial backup. If the whole tower is shot, there is not much standing in the area to help anyhow. Think about it. You best believe California is going have laws to ensure proper installation, that includes earthquakes (Florida, its flooding / Hurricane wind forces!)

>2) There are two cellular providers in the bay area, as for other

(Cellular One and most likely Bell)

> places too. I have heard (from someone whose job is to care about
> these things) that both the system hubs are in places that are not
> considered seismically safe: one is on an upper floor of an old
> building in Oakland, and the other is in a liquefaction zone
> somewhere else in the east bay, from what I understand.

That may just be one switch in the network. The network is designed to allow more that one switch to fail. I will admit we take every step to keep the switches up and running. The Fort Lauderdale switch has Battery backup for over 8 hours and a generator (with fuel to run 1 week continuously) in case Florida Power and Light becomes unavailable.
I am fairly sure that the sites in Calif have similar setups as we are both owned and operated the same way.

>3) As has been pointed out before, these people are not in the game
> for public service. They are in for PROFIT. The law of that game
> states that service in adverse conditions is fit to be provided
> only if the revenue to come from it times the chance of it
> happening is greater than the cost of preparing for it. Does an
> earthquake-tolerant cell phone system qualify for this? Probably
> not for a big shaker, I would guess.

Building an Earthquake-tolerant cell site would be important. We would want to protect our equipment, don't you? ;-) Now as to the PROFIT:

<FLAME ON> Hey, Last time I checked we where all in the HUMAN race, You may not qualify! But I KNOW and HAVE SEEN this company go out of its way to help the community. If a major emergency hits, we will do everything we can to help, ITS OUR HOME! You best believe that I will be on the Ham bands relaying messages AND using the cellular phone to get supplies for the local hospital or what ever service I can be to this area. I know that others in the company who would be giving blood, driving supplies, etc... You have a LOT of nerve saying we are in it for PROFIT, especially during life threating emergencies. BTW HP is not exactly a "NON-PROFIT" group according to the news today in the stock market section. <Flame off>

>-mike
>Mike Weihman   n1dje: RACES, CDF-VIP

Carl Couric   KB4RLS - RMARC/ 224.84 trustie
Cellular One, Florida
(407) 833-1111 x509

From -3573825378160902245
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2a06411596ec9b1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 08:25:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!swrinde!ucsd!ucbvax!MEMSTVX1.BITNET!SKAGOO
From: SKAGOO@MEMSTVX1.BITNET (Suresh Kagoo)
Newsgroups: rec.ham-radio
Subject: Super Morse 3.11 Program Wanted
Message-ID: <9008021523.AA04786@ucsd.edu>
Date: 2 Aug 90 15:25:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Thu Aug 2 16:25:00 1990

I am looking for the latest shareware version of Super Morse which acording to last months QST is version 3.11. I did find version 3.09 in the simtel archives. If anyone knows were I can find a copy or has one and could send it to me via e-mail uuencoded it would be appreciated.

Tanks in advance,

73 de N9GSA
****

Suresh Kagoo   Internet: Skagoo@memstvx1.bitnet
Academic Computer Services   Bitnet : SKAGOO@MEMSTVX1
Memphis State University   Amateur Radio : N9GSA
Memphis, Tennessee   Others available on request

****

From 7739251356983349763
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2b63db80b6711cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 08:56:39 PST
Path: gmdzi!unido!mcsun!uunet!lupine!hansen!phil
From: phil@hansen.Berkeley.EDU (Phil Graham)
Newsgroups: rec.ham-radio
Subject: Re: male chauvinist pigs

Keywords: sheesh
Message-ID: <1055@lupine.NCD.COM>
Date: 2 Aug 90 15:56:39 GMT
References: <34942@ut-emx.UUCP>
Sender: news@NCD.COM
Reply-To: phil@hansen.Berkeley.EDU (Phil Graham)
Lines: 46
Posted: Thu Aug 2 16:56:39 1990

In article <34942@ut-emx.UUCP>, oo7@ut-emx.UUCP (Aloysius
Burpington-Smythe) writes:
|> I was half thinking of attending our local hamfest, and picked up some of
|> the literature advertising it. On page 2, where the events are listed,
|> there's a paragraph headed "A Word to the Ladies..." - this sounds like
|> a bad start, and it is. "Learn new make-up tricks and how to keep your
|> skin and nails beautiful.... no need to stay home!... "a craft for you
|> to "make and take"".

This was probably suggested by a wife of a HAM... And I bet quite a few people
attend and learn and make!

|>
|> This is downright degrading. I know that ham radio is predominantly a
|> male hobby, but this sort of garbage just perpetuates the system. At
|> least in my own field, astronomy, when astronomers have conferences they
|> have the sense to realize that accompanying spouses can be of either
gender,
|> and arrange e.g. local tours, which are equally suitable for men or women.

What is degrading? I agree that local tours would be a better choice
(much better) but this is not degrading! It is not like they held a
wett T-shirt
contest... Mello out!

|>
|> This meeting is organized by the ARRL West Gulf Division. I've never really
|> cared who the director is, but I do now. I'm certainly not going to their
|> silly meeting and I'm not going to vote for a male chauvinist pig the next
|> time around (not that I did before).

Rather than complain on the net call the ARRl West Gulf Division and
"OFFER" to
help arrange something that would be better... With holding your vote is not
very effective... Get involved!

|> Which century are we in, anyway?
|>
We are in the century that we make it!

|> Derek Wills (AA5BT, G3NMX)
|> Department of Astronomy, University of Texas,
|> Austin TX 78712. (512-471-1392)
|> oo7@astro.as.utexas.edu

|> oo7@emx.utexas.edu
|> wills@utxvm (Bitnet)

From 6350227126444814032
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15f001619fe06696
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 09:25:10 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!tut.cis.ohio-state.edu!pt.cs.cmu.edu!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: call signs
Keywords: call signs
Message-ID: <38988@cci632.UUCP>
Date: 2 Aug 90 16:25:10 GMT
References: <591@skipper.dfrf.nasa.gov> <10675@crdgw1.crd.ge.com>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 12
Posted: Thu Aug 2 17:25:10 1990

In article <10675@crdgw1.crd.ge.com> perley@trub (Donald P Perley) writes:
>On the same note, in 2 land the extra calls are getting
>close to WZ2Z.

One of my ham buddies here at CCI got his call last week ... he is AA2AG.

Then again, with all this talk of eliminating the Extra class, maybe it
is just as well? (sarcasm, no smiley == not very funny)

Heh heh

73's Chris WZ2B

From 32345326064066071
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,680049e31c13fabe,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10807f,680049e31c13fabe,start
X-Google-Attributes: gid10807f,public
X-Google-ArrivalTime: 1990-08-02 09:45:43 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!ucsd!swrinde!cs.utexas.edu!news-server.csri.toronto.edu!torsqnt!geac!sq!rph
From: rph@sq.sq.com (Pontus Hedman (VE3RPH))
Newsgroups: rec.ham-radio,rec.boats
Subject: LORAN and Ham Radio
Keywords: LORAN ham radio
Message-ID: <1990Aug2.164543.16200@sq.sq.com>
Date: 2 Aug 90 16:45:43 GMT
Organization: SoftQuad Inc., Toronto, Canada

Lines: 11
Xref: gmdzi rec.ham-radio:13540 rec.boats:1124
Posted: Thu Aug 2 17:45:43 1990

I just purchased a LORAN-C for my 32' sloop. It also has a Yaesu FT107M
ham radio HF tranceiver aboard, connected to a heli vertical.

I'm a bit worried about how the LORAN equipment will handle 100W of RF being
radiated 6' from its antenna/coupler... currently I disconnect the LORAN
whenever I use the ham rig; am I being excessively paranoid?
--
Pontus Hedman   rph@sq.com   {uunet|utzoo}!sq!rph
VE3RPH   (416) 963-8337

From 9166897807846752482
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0199daf1b56547b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 10:19:28 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!tektronix!sequent!crg2.uucp!dale
From: dale@crg2.uucp (Dale Mosby)
Newsgroups: rec.ham-radio
Subject: Question about chargin ni-cads
Message-ID: <39884@sequent.UUCP>
Date: 2 Aug 90 17:19:28 GMT
Sender: dale@sequent.UUCP
Organization: Sequent Computer Systems, Inc.
Lines: 19
Posted: Thu Aug 2 18:19:28 1990

I have a question about charging ni-cad batteries. I built an external
power-pack that holds 8 D sized nicads wired in series. To charge I
can pull them all out and drop them in my charger which happens to
hold 8 cells. I'm wondering if I could simplify things by charging
though the plug I have on the battery pack. These cells are Panasonic
bought in bulk at a local discount store. Label says charge at 80-100
mA for 16 hours. I'm using a Panasonic Model BQ-8B charger right now.
Any simple alternates to charge this -- Without resorting to computer
control as in QST? I'm happy to wait 16 hours. Can I use some
inexpensive pwr supply such as I might have sitting in junk box?

(Sorry if this was covered in the previous ni-cad discussions. I
was on vacation and had quite a few hundred articles backlogged and
some also expired from our machine.)

   { uunet pur-ee tektronix sun ogcvax cs.utexas.edu } !sequent!dale
   Dale Mosby   503-626-5700 N7PEX // Sequent Computer Systems, Inc.
   15450 SW Koll Parkway   // Beaverton, Or. 97006-6063

```
From 8654468465728131463
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 11:06:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
sdd.hp.com!apollo!hays
From: hays@apollo.HP.COM (John Hays)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <4bf67451.20b6d@apollo.HP.COM>
Date: 2 Aug 90 18:06:00 GMT
References: <900724-020327-19183@Xerox> <38845@cci632.UUCP>
Sender: root@apollo.HP.COM
Reply-To: hays@apollo.HP.COM (John Hays)
Organization: Hewlett-Packard Company, Apollo Division; Chelmsford, MA
Lines: 19
Posted: Thu Aug  2 19:06:00 1990

In article <38845@cci632.UUCP> cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
writes:
>In article <900724-020327-19183@Xerox> "hugh_davies.WGC1RX"@XEROX.COM writes:
>>>Brian Kantor says;
>>>
>>>...There should be only two classes of ham license
>>...
>>>Both have questions on regulations,
>>>procedures, and technical matters to ensure that the applicant is
>>>competant to install, operate, and maintain a ham radio station...
>
>>Hear, hear!! Just like the U.K.
>
>Shouldn't we strive for a little more than "competence" ?

NO!!!!!!!!

Excellence should be self motivated, not by licensing.

John KD7UW


From 1179021250911150183
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1f40fd89c6b70609,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 11:45:00 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!CONSRT.ROK.COM!nix%muppet.decnet
From: nix%muppet.decnet@CONSRT.ROK.COM ("MUPPET::NIX")
Newsgroups: rec.ham-radio
Subject: Purchasing Something From Britain (Ham Radio) - How?
Message-ID: <9008021744.AA12676@ucsd.edu>
Date: 2 Aug 90 18:45:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
```

Organization: The Internet
Lines: 58
Posted: Thu Aug 2 19:45:00 1990

I'd like to find out if anybody on INFO-HAMS has done business directly with amateur radio firms in Great Britain? Back in April I joined the Radio Society of Great Britain (RSGB) while at the Dayton Hamvention, and finally started getting the monthly magazine "Radio Communication".

I'm having a good time, seeing the difference in the types of articles; the `demise-of-Ham-Radio-Magazine', and `changes-at-73-Magazine' discussions, here on INFO-HAMS, have made interesting reading, with `Radio Communication' as a comparison.

Well, like any ham, I started going through the advertisements, to see how they differed. In general, I'm seeing the same Japanese ham gear as we see in the magazines here in the states. There do seem to be a few more small/specialized operations advertising in `Radio Communication' (QRP & CW interest there seems more obvious). I was pleased to see (being a `true believer') that Tentec seems to have good visibility over in England.

Now I've got a `problem'; there are one or two British firms that I'm a bit interested in perhaps buying something from and, I'm in the situation of never having tried to buy something directly from overseas.

I've written letters (with SASE's, or SAE's as they call them, along with IRC's), and am waiting to see what kind of response I get.

I've talked with the local (Dallas area) U.S. Customs people, to see how Customs Duties might affect the final price of something. For amateur radio gear, it doesn't sound as though there's going to be very much of a problem. I'm hoping that the British firms will have had enough dealings with hams overseas, so that they'll know how to conduct business with somebody in the U.S.

I'm less sure of how to handle the money situation. When I joined the RSGB at Dayton, they just took my personal check, and did whatever had to be done to keep their accountants happy. I've talked to my bank, and it turns-out that they have a branch in England but, they want a ten-dollar charge to generate a Bank Draft or, THIRTY DOLLARS to wire money to England. Good golly ... I'm looking at buying a CW key that will cost (maybe) $40 - $50; a $10 charge on top of that would be unreasonable.

I'm curious as to how to go about buying some British stamps? Sending IRC's (to try and ensure a response about a product brochure) is rather expensive. The local (Dallas) British Consulate was kind enough to give me the postal rates, for airmailing letters from Britain to the U.S. and, it's about the same as going from the U.S. to Britain. Most of the British firms ask for 3 IRC's from overseas hams, for return postage; at 95 cents for each one, that adds-up really fast. I figure it'd be cheaper just to send some British stamps along with my requests, as

long as I can buy them for not too much of a mark-up over their face
value.

So, if anyone `out-there' has experience in doing business
with Britain, I'd like to hear about how it's done.

Thanks,

Paul Nix (WB5AGF)   InterNet: nix%muppet.decnet@consrt.rok.com

From -6844381477912986031
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1f40fd89c6b70609
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 13:58:32 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!decwrl!bacchus.pa.dec.com!deccrl!halbert
From: halbert@crl.dec.com (Dan Halbert)
Newsgroups: rec.ham-radio
Subject: Re: Purchasing Something From Britain (Ham Radio) - How?
Message-ID: <1990Aug2.205832.20534@crl.dec.com>
Date: 2 Aug 90 20:58:32 GMT
References: <9008021744.AA12676@ucsd.edu>
Sender: news@crl.dec.com (USENET News System)
Reply-To: halbert@crl.dec.com
Organization: DEC Cambridge Research Lab
Lines: 13
Posted: Thu Aug 2 21:58:32 1990

Many British firms take credit cards (including the RSGB!). Access =
Mastercard, Visa is the same. The credit card companies do the
conversion at a "wholesale" rate, which is better than you can get at the bank.

For transactions where credit cards don't work, I have used Pound
Sterling traveler's checks. You can get American Express versions of
these at many banks. I haven't seen denominations less than 10 pounds,
but I use these for such purposes as paying my G-QRP club dues (which
are 5 pounds; I send in dues for a friend as well.) You could ask for a
credit voucher or extra goodies instead of change, or just write off any
overage.

--Dan, KB1RT

From 8626008918774041852
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 14:31:36 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio

Subject: Re: Repeaters.
Message-ID: <2817@anasaz.UUCP>
Date: 2 Aug 90 21:31:36 GMT
References: <31.Jul.90.10:57:43.BST.#2288@UK.AC.NWL.IA> <LPX&-WM@splut.conmicro.com> <1990Aug1.213344.1217@bellcore-2.bellcore.com> <RJY&V2#@splut.conmicro.com>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 53
Posted: Thu Aug 2 22:31:36 1990

In article <RJY&V2#@splut.conmicro.com> jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard) writes:
]In article <1990Aug1.213344.1217@bellcore-2.bellcore.com> karn@thumper.bellcore.com writes:
]>Yes and no. Yes, a closed repeater is the property of its owner and he
]>doesn't have to let anyone use it. On the other hand, the channel on
]>which it operates is NOT his property, and he has no right to deny
]>it to others who would operate an open repeater on it.
]
]OK, fine.
]
]Let's take the repeater I operate on - private, in the sense that you
]are asked not to use it unless you've been approved by the trustee.
]Since it's not open, the coordinator decides to tell him to either open
]it up or get off the air. I can tell you what Jim's reaction would be:
]he'd tell the coordination body to go to hell, and leave it on anyway.
]The coordinator could not force him to shut it down. If they tried to
]coordinate another repeater on the same channel, Jim would sue so fast
]your head would swim - because the rules were changed in midstream. Why
]should a coordinator invite a lawsuit in today's litigation-happy
]society?
FLAME ON
Sounds like Jim is hardly a credit to amateur radio, if he is willing
to sue a volunteer over a hobby related manner! Who is this guy, anyway?
What's his frequency, so I can use it for simplex operation next time
I'm in the area?

What makes him think he has exclusive claim to a frequency? What gives
him that right? And, don't tell me that stuff about his expensive
equipment, etc. The frequency, a limited natural resource,
is the issue!
FLAME OFF

He may tell the coordinator to go to hell, and leave it on. That's
his priviledge. However, once he is de-coordinated he no longer
can claim interference if someone "unauthorized" is using his
input frequency.

]
]I'll take your complaints a lot more seriously when you sit in the hot
]seat for a while. You won't get your teeth kicked in if your ideas are
]implemented; I will.

Having been involved in coordination for ten years, including a very nasty repeater war, I think I qualify for "hot seat." I still think that coordinators are doing a disservice when they coordinate closed repeaters in a crowded band. By the way, I proposed at the repeater owners meeting here in AZ (which is also the coordination council) that they no longer coordinate closed repeaters. My motion failed about 60/40, due to the large number of closed repeater owners voting.

```
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326         Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
```

From 5313199784652648098
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1f40fd89c6b70609
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 15:40:11 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!sdd.hp.com!elroy.jpl.nasa.gov!lll-winken!sun-barr!newstop!sun!amdcad!mozart.amd.com!positron!brian
From: brian@positron.amd.com (Brian McMinn)
Newsgroups: rec.ham-radio
Subject: Re: Purchasing Something From Britain (Ham Radio) - How?
Message-ID: <1990Aug2.224011.14306@mozart.amd.com>
Date: 2 Aug 90 22:40:11 GMT
References: <9008021744.AA12676@ucsd.edu>
Sender: usenet@mozart.amd.com (Usenet News)
Reply-To: brian@positron.AMD.COM (Brian McMinn)
Organization: Advanced Micro Devices, Inc., Austin, Texas
Lines: 15
Posted: Thu Aug 2 23:40:11 1990

nix%muppet.decnet@CONSRT.ROK.COM ("MUPPET::NIX") writes:
> I'd like to find out if anybody on INFO-HAMS has done business directly
> with amateur radio firms in Great Britain?

I've bought things other than radio equipment from Great Britain. I've always just used my Visa card and let Visa fight with the exchange rate question. From what I've seen on my bills, the exchange rate is quite good considering the small size of the transaction. (There doesn't appear to be a flat conversion fee in it either.)

```
---
   Brian McMinn                 brian.mcminn@amd.com
   Advanced Micro Devices       N5PSS
   Austin, Texas                1-(512)-462-5389
"You can't leap a chasm in two jumps."
```

From 5166054887856826370
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,9c1687312e470a66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 15:57:16 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!altos!altos86!jerry
From: jerry@altos86.Altos.COM (Jerry Gardner)
Newsgroups: rec.ham-radio
Subject: Re: What to do with N0MFW?
Message-ID: <3784@altos86.Altos.COM>
Date: 2 Aug 90 22:57:16 GMT
Reply-To: jerry@altos86.UUCP (Jerry Gardner)
Organization: Altos Computer Systems, San Jose, CA
Lines: 9
Posted: Thu Aug  2 23:57:16 1990
References: 


How about NJ6A ???



--
Jerry Gardner, NJ6A                       Altos Computer Systems
UUCP: {sun|pyramid|sco|amdahl|uunet}!altos86!jerry 2641 Orchard Parkway
Internet: jerry@altos.com                 San Jose, CA  95134
Guns don't kill people, bullets do.                    (408) 432-6200


From -7225119726077187649
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15f001619fe06696
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 103748,32a54a5639ab71bf
X-Google-Attributes: gid103748,public
X-Google-ArrivalTime: 1990-08-02 16:14:49 PST
Path: gmdzi!unido!mcsun!uunet!midway!ncar!zaphod.mps.ohio-state.edu!sdd.hp.com!
ucsd!helios.ee.lbl.gov!nosc!crash!scotto
From: scotto@crash.cts.com (Scott O'Connell)
Newsgroups: rec.ham-radio
Subject: Re: call signs
Summary: N6's are gone...
Keywords: call signs
Message-ID: <3799@crash.cts.com>
Date: 2 Aug 90 23:14:49 GMT
References: <591@skipper.dfrf.nasa.gov>
Organization: Crash TimeSharing, El Cajon, CA
Lines: 28
Posted: Fri Aug  3 00:14:49 1990
X-Local-Date: 2 Aug 90 16:14:49 PDT

In article <591@skipper.dfrf.nasa.gov> disbrow@skipper.dfrf.nasa.gov (Jim Disbrow) 
writes:
>I'm taking my tech test Saturday and was
>wondering what the prefix of my call sign will be.
>From what I can gleen off the net, they're almost
```

>out of N6's; so what's next? NA6...? or what.
>The only reason to change would be to get a shorter call.
>(And I can't think of anything to do with KC6LZF)
>Any ideas?
>
>Thanx,
>Jim KC6LZF

I heard a guy on 10 meters the other night with N6ZZS. They're gone for
sure. I asked a similar question back in March. I called the FCC and
was told that when the N6xxx calls were gone that Novice, Tech and
General callsigns would *ALL* be KC6xxx. I studied hard and passed my
tests at the end of March. I was KC6KFX and now N6ZEK. (as an aside,
I almost got N6ZED - This is "N" "6" "ZED" - a 1x1?)

The FCC did say that if you wanted they would issue another KC6xxx call
or you could keep KC6LZF.

Good luck on Saturday!

```
--
Scott O'Connell - N6ZEK      UUCP: {nosc, hplabs!hp-sdd}!crash!ipars!scotto
                             ARPA: crash!ipars!scotto@nosc.mil
                             INET: scotto@ipars.cts.com
```

From -1110328655090241233
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 16:52:20 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!wuarchive!
mailrus!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <1990Aug2.235220.3366@NCoast.ORG>
Date: 2 Aug 90 23:52:20 GMT
References: <14117@shlump.nac.dec.com> <30500639@ux1.cso.uiuc.edu>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 20
Posted: Fri Aug 3 00:52:20 1990

As quoted from <30500639@ux1.cso.uiuc.edu> by phil@ux1.cso.uiuc.edu:
+---------------
| > the applicant need not use the suffix (i.e., /KN) after the FCC has been
| > given sufficient time to update its records to reflect the endorsement
| > (say, 30 days).
|
| It probably won't simplify things since recording CSCE data like this is
| a new and different procedure they've never done before. It would probably

| be best to just have a distince class.
+---------------

Phil, what is the practical difference between the suggestion above and the
current situation when a person upgrades but keeps his old call sign? Whether
it's called a "class" or an "accreditation" or etc. doesn't much matter.

++Brandon
--
Me: Brandon S. Allbery   VHF: KB8JRR on 224.50 (Lake County, OH)
Internet: allbery@NCoast.ORG   Delphi: ALLBERY
uunet!usenet.ins.cwru.edu!ncoast!allbery America OnLine: KB8JRR

From -5733610780547560412
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2b63db80b6711cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 16:58:21 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!mailrus!ncar!umigw!
mthvax!wb8foz
From: wb8foz@mthvax.cs.miami.edu (David Lesher)
Newsgroups: rec.ham-radio
Subject: Re: male chauvinist pigs
Keywords: sheesh
Message-ID: <1990Aug2.235821.21043@mthvax.cs.miami.edu>
Date: 2 Aug 90 23:58:21 GMT
References: <34942@ut-emx.UUCP> <1JY&84#@splut.conmicro.com>
Reply-To: wb8foz@mthvax.cs.miami.edu (David Lesher)
Organization: NRK Clinic for habitual NetNews abusers
Lines: 15
Posted: Fri Aug 3 00:58:21 1990

>[about the announcement letter for the West Gulf Division Convention]
>>This is downright degrading. I know that ham radio is predominantly a
>>male hobby, but this sort of garbage just perpetuates the system. At

I think the folks at Dayton have called it "Alternative
Activities" for several years. Just another thing they do the
right way.

20 year Hamvention vet.

--
A host is a host from coast to coast.....wb8foz@mthvax.cs.miami.edu
& no one will talk to a host that's close............(305) 255-RTFM
Unless the host (that isn't close)......................pob 570-335
is busy, hung or dead....................................33257-0335

From 2820825934775476855
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2b63db80b6711cc

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 18:36:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!usc!zaphod.mps.ohio-state.edu!rpi!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: male chauvinist pigs
Keywords: sheesh
Message-ID: <10725@crdgw1.crd.ge.com>
Date: 3 Aug 90 01:36:32 GMT
References: <34942@ut-emx.UUCP> <2567@unccvax.uncc.edu>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 15
Posted: Fri Aug 3 02:36:32 1990
In-reply-to: cs00jmc@unccvax.uncc.edu (John Covington WN4BBJ)

In article <2567@unccvax.uncc.edu>, cs00jmc@unccvax (John Covington WN4BBJ) writes:
>
>Maybe instead of having "Ladies events" we should have "Non-Amateur"
>events, or something. While we are on the subject, any suggestions for
>good non-Amateur events for hamfests?? The only things I have seen
>are make-up and crafts (as mentioned above), bingo, cooking demonstrations
>and bus trips to a local shopping mall.

There is a hamfest in Burlington, VT next week. If any organizers are listening, maybe they can organize a tour of the local micro-brewery/pub.
:-)

-don perley - ke2tp

perley@trub.crd.ge.com

From -355904955864429239
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c1687312e470a66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 20:04:31 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!maverick.ksu.ksu.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!rutgers!cunixf.cc.columbia.edu!gp15
From: gp15@cunixf.cc.columbia.edu (Gerald Pulver)
Newsgroups: rec.ham-radio
Subject: Phonetics for NJ6A (Was: Re: What to do with N0MFW?)
Message-ID: <1990Aug3.030431.28804@cunixf.cc.columbia.edu>
Date: 3 Aug 90 03:04:31 GMT
References: <3784@altos86.Altos.COM>
Reply-To: gp15@cunixf.cc.columbia.edu (Gerald Pulver)
Organization: Columbia University
Lines: 5
Posted: Fri Aug 3 04:04:31 1990

In article <3784@altos86.Altos.COM> jerry@altos86.UUCP (Jerry Gardner) writes:
>
>How about NJ6A ???

Need Just Six Armadillos ?

From 4578716727260577308
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1f40fd89c6b70609
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 20:58:16 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: Purchasing Something From Britain (Ham Radio) - How?
Message-ID: <9008030358.AA12611@ucsd.edu>
Date: 3 Aug 90 03:58:16 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 3
Posted: Fri Aug 3 04:58:16 1990

One thing to do is to use your Visa or Mastercharge card for
purchases. The conversion is done by the card company, and there's no
surcharge that I see. This works to other countries, also.

From 8836290235144097579
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c1687312e470a66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 21:05:50 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ames!ncar!noao!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: What to do with N0MFW?
Message-ID: <2821@anasaz.UUCP>
Date: 3 Aug 90 04:05:50 GMT
References: <3784@altos86.Altos.COM>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 14
Posted: Fri Aug 3 05:05:50 1990

In article <3784@altos86.Altos.COM> jerry@altos86.UUCP (Jerry Gardner) writes:
]
]How about NJ6A ???

Never Juggle 6 Apples (or whatever)

Not Just 6 (...)

[signed: Never Juggle 7 Eggs '-)]
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

```
From -7567468858824771989
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3345d282f9270f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 23:06:22 PST
Path: gmdzi!unido!mcsun!uunet!fernwood!apple!netcom!mcmahan
From: mcmahan@netcom.UUCP (Dave Mc Mahan)
Newsgroups: rec.ham-radio
Subject: Re: Spread Spectrum Repeaters - Technic
Message-ID: <11324@netcom.UUCP>
Date: 3 Aug 90 06:06:22 GMT
References: <2770@anasaz.UUCP> <30500623@ux1.cso.uiuc.edu>
<1990Jul27.030703.25597@bellcore-2.bellcore.com>
Organization: Dave McMahan @ NetCom Services
Lines: 34
Posted: Fri Aug  3 07:06:22 1990
```

In a previous article, karn@thumper.bellcore.com (Phil R. Karn) writes:
>>Simple DS methods don't achieve the
>>best form of spreading by themselves.
>
>On the contrary. ANY decent spreading method will produce a signal that is
>statistically indistinguishable from broadband (though still band-limited)
>noise. Even linear feedback shift registers (PN generators) of the type
>allowed for amateur operation will suffice, and these happen to be the very
>same type of circuits used for modem scramblers. (Indeed, a modem scrambler
>is really just a spread spectrum modulator with a 1:1 spreading ratio.)
>Therefore no additional steps are needed to eliminate spectral lines (other
>than picking a long enough shift register).

This is quite true. We used a simple 15 tap shift register to generate a 2^15-1 sequence of data bits that were XOR'ed with the digital data in a TDMA transmitter. It spread the data out quite excellently, except when we accidentally fed it a correlated input (correlation meaning we fed it the same 2^15-1 sequence as data that it was using to scramble. The data was just shifted in time due to delays incurred in the signal path). The receive side used the same PN sequence generator and both were started at a known point in the data stream. It turns out that if you are transmitting continuously with 'random' data (like voice), the scramblers can be set up to lock together quite easily within a short period of time. Assuming the data rate is high enough, it takes just a couple of seconds to do this. Then again, we were using 8 mbit/sec data streams, so things just work faster...

A simple tapped shift register works quite well for evenly spreading the frequency spectrum of just about any signal you want to send. Synchronizing the receiving PN scrambler to the incoming data can be tricky, but is doable.

>Phil

-dave

From 244118483402822153
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ee0a0b2929eeedaa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 05:33:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!usc!sdd.hp.com!
uakari.primate.wisc.edu!dali.cs.montana.edu!rpi!bu.edu!inmet!benk
From: benk@inmet.inmet.com
Newsgroups: rec.ham-radio
Subject: Re: St Martin Islands
Message-ID: <13700019@inmet>
Date: 3 Aug 90 12:33:00 GMT
References: <170@heimat.UUCP>
Lines: 47
Nf-ID: #R:heimat.UUCP:170:inmet:13700019:000:2410
Nf-From: inmet.inmet.com!benk   Aug 3 08:33:00 1990
Posted: Fri Aug 3 13:33:00 1990

The BBC and Deutsche Welle have a shared relay base in Antigua, which is all of about 30 minutes from St. Maarten by air. You should have absolutely no trouble hearing them whenever they are on the air. The BBC World Service is relayed from Antigua on 5975 kHz in the (local) late afternoons and evenings; the Deutsche Welle German service is on 6100 in the (local) evenings - sorry that I don't recall the frequency used by the relay station for the Engish programs, but it shouldn't be hard to find.

As a die-hard Caribbean-o-phile (to be accurate, a die-hard Windward-Islands-o-phile), permit me to make one suggestion: if you are at *all* into SWBC DXing, do plan on spending some time DXing South and Central America from the eastern Caribbean. Even in the summer, despite the static, the props are at least halfway decent, and you'll have no trouble hearing at least 10 stations on 90 meters at any time between dusk and dawn.

When DXing from the Windwards I tend to use Radio Nacional de Paraguay on 9735 kHz as my propagation beacon for 31 meters. If its coming in *really * well (it comes in at least O.K. even during most of the daylight hours), I start hunting for exotic stuff from the "southern cone" of South America. Admittedly the Windwards are 300+ miles south of St. Maarten, but on the whole my suggestion applies equally as well to the Leewards such as St. Maarten -- I know, its worked for me pretty well from St. Kitts & Nevis.

You will have little trouble logging a decent number of Peruvians and Bolivians on 90 and 60. For me, bagging these stations gave me the most pleasure. They are REAL DX targets, and that Andean music is unbelievably haunting and beautiful.

My beacon for Central America on 90 is TGNA, "Radio Cultural" on 3300 kHz, from Guatemala City; for 60 I tend to use HRVC, "La Voz Evangelica de Honduras" on 4820 kHz from Tegucigalpa.

Lastly, the number of Venezuelans and Columbians - particularly on 60 are astounding. I'm not much of a Brazilian DXer, so I can't say much about how the DX is from that country -- on the other hand, I can't imagine that its much "worse" than from the rest of South America; the only drawback is that you'll have to get youself up and out of bed a litte earlier. :-)

Have fun and 73.

-- Ben Krepp

From internet: benk@inmet.inmet.com
From uunet: uunet!inmet!benk

From -4831737078148673163
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8da2ef6a3bd6f02a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 06:08:32 PST
Path: gmdzi!unido!mcsun!uunet!ncrlnk!ncrwic!encad!entec!kthompso
From: kthompso@entec.Wichita.NCR.COM (Ken Thompson)
Newsgroups: rec.ham-radio
Subject: Re: Traps to take out Images, QRM etc.
Message-ID: <622@entec.Wichita.NCR.COM>
Date: 3 Aug 90 13:08:32 GMT
References: <31.Jul.90.12:02:52.BST.#2350@UK.AC.NWL.IA>
Reply-To: kthompso@entec.UUCP (Ken Thompson)
Organization: NCR Corporation, Wichita, KS
Lines: 12
Posted: Fri Aug 3 14:08:32 1990

Close but no cigar Pete.

You want to leave the stub OPEN at the end so the other end looks like a short at the required frequency. Also you want to DIVIDE by the velocity factor the free space quarter wavelength to get cable length.

--
Ken Thompson   N0ITL
NCR Corp. 3718 N. Rock Road
Wichita,Ks. 67226 (316)636-8783
Ken.Thompson@wichita.ncr.com

From 3264226954173924058
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3345d282f9270f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 06:35:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Spread Spectrum Repeaters - Technical
Message-ID: <1116@ke4zv.UUCP>
Date: 3 Aug 90 13:35:16 GMT
References: <2770@anasaz.UUCP> <1990Jul26.221020.24603@bellcore-2.bellcore.com> <2779@anasaz.UUCP> <2780@anasaz.UUCP> <1102@ke4zv.UUCP> <2797@anasaz.UUCP> <1105@ke4zv.UUCP> <2812@anasaz.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 35
Posted: Fri Aug 3 14:35:16 1990

In article <2812@anasaz.UUCP> john@anasaz.UUCP (John Moore) writes:
>Err... first of all, probably we are spreading at less than 1000:1 -
>certainly if we are on 2 meters. Second, if the SS system is radiating
>100W ERP (not unreasonable power), we are looking at +50dBm. So,
>take your 100 dB of isolation, and you are looking at -50dBm of
>noise into your narrow receiver. That's a LOT of power! As I was
>pointing out, you need a large amount of isolation.

Wait! Of that +50dbm of ERP, how much is out-of-band? My impression
of SS is that we are required to keep intentional radiation inside
the band. Therefore the only power that can pass into the out-of-band narrow receiver is that small percentage of the total transmit
power contained in spurious responses that happen to be within the
passband of the narrow (20khz) receiver. Therefore simply subtracting
and getting -50dbm doesn't seem to be valid.

Also SS on 2m? I guess I need to reread the rules, I thought SS
had to be 420Mhz and above.

>]desense or intermod to the narrowband equipment. We did wind up
>]adding a cavity to the output of the modem, but that was because
>]the narrow band equipment was desensing our modem enough we couldn't
>]copy a weak signal from one of our other modem links.
>]
>Specifically, 70kHz is narrow enough to allow running it through a
>cavity, which you did. That adds a lot of isolation. In fact,
>running 56 kB through 70 kHz is nowhere close to "spread spectrum" -
>you are running slightly over one bit per Hz. I would expect
>real spread spectrum to be way down from that.

Reread what I said. We added a cavity later because the narrowband

equipment was bothering us; not the other way round. I agree that
real wide spread spectrum should have even better characteristics.

Gary KE4ZV

From 533230863959138112
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7af86dfe73bbb913
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 06:50:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: More ICOM IC-R1 Review
Message-ID: <1117@ke4zv.UUCP>
Date: 3 Aug 90 13:50:44 GMT
References: <1990Jul26.001037.21586@portia.Stanford.EDU> <668@dg.dg.com> <12111@sdcc6.ucsd.edu> <2813@anasaz.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 11
Posted: Fri Aug 3 14:50:44 1990

In article <2813@anasaz.UUCP> john@anasaz.UUCP (John Moore) writes:
>The way I listen to ATC in an aircraft is to use a passive receiver -
>just a tuned crystal (well, alright, diode) detector and an
>audio amp. It looks like a walkman, and cannot cause interference
>because it has no RF oscillator. I don't know if it is legal or
>not, but my guess is that it is.

Let's see, we take a tuned circuit, put a diode across it, hit it with
some RF then we've got a great harmonic generator :-)

Gary KE4ZV

From 8375816932769956240
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2a926091a204d70
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 07:55:52 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!samsung!emory!rsiatl!nanovx!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Solving the DXCC mess
Message-ID: <1118@ke4zv.UUCP>
Date: 3 Aug 90 14:55:52 GMT
References: <12280011@hpspdra.HP.COM> <1108@ke4zv.UUCP> <2829@wyse.wyse.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group

Lines: 34
Posted: Fri Aug 3 15:55:52 1990

In article <2829@wyse.wyse.com> stevew@wyse.UUCP (Steve Wilson x2580 dept303) writes:
>A DX station can pretty much determine the type of action they see
>on the bands by how long the DX station chooses to stay in QSO
>with a given station. If he wants to rag chew it just isn't
>that hard to control.

A savvy operator can usually control a pileup. What we're talking about is the guy who's just getting on HF after getting his HF license in one of the "rare" countries. He can be literally driven from the band by DXers. And being in a "rare" country, almost by definition there is nobody he can turn to for advice on how to handle the situation. So he leaves ham radio with a bad taste in his mouth and a distorted picture of hordes of wealthy people from industrialized countries screaming at him from powerful stations for the sole purpose of exchanging a meaningless number and a callsign. Then months, even years later, he receives tons of mail demanding that he send expensive replies. There is little wonder then that, at the next WARC when he is representing his country as one of the few electronic experts they have, he will turn a jaundiced eye toward the amateur spectrum.

>Another point that needs to be made is that the US isn't even close
>to having a monopoly on bad operators. Having been on the receiving
>end of more than a few big pileups in the last 10 years I've heard
>rotten operating from stations all around the world. I'm not going
>to bother and single any particular country out but we(US hams) have
>loads of competition for the title of "lids of the year."

Just because we aren't alone in being obnoxious boors doesn't mean we are right. Look, I'm not saying DX contesting is wrong. I'm just saying that a 24hr a day, 7 day a week, 52 week a year, all band contest is harmful to amateur radio. I think it's way past time that the contest sponsors rethink the whole deal.

Gary KE4ZV

From -824701066192012031
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 08:24:12 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!swbatl!texbell!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <2KZ&2Z:@splut.conmicro.com>
Date: 3 Aug 90 15:24:12 GMT
References: <31.Jul.90.10:57:43.BST.#2288@UK.AC.NWL.IA> <LPX&-WM@splut.conmicro.com> <2814@anasaz.UUCP>

```
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 14
Posted: Fri Aug  3 16:24:12 1990

In article <2814@anasaz.UUCP> john@anasaz.UUCP (John Moore) writes:
>Sure... put up a repeater
>and close it. But don't expect it to have any claim on either the
>input or output frequency! If I want to carry on a simplex conversation
>on the input frequency, using the repeater's PL, that is my right!

John, surely you don't mean to claim a right to maliciously interfere
with other amateurs...but that's exactly what that claim amounts to.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
"It's a hardware bug!" "It's a      +--------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_


From -3961154451541665760
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 08:47:04 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!emory!rsiatl!nanovx!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <1120@ke4zv.UUCP>
Date: 3 Aug 90 15:47:04 GMT
References: <31.Jul.90.10:57:43.BST.#2288@UK.AC.NWL.IA> <LPX&-
WM@splut.conmicro.com> <2814@anasaz.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 19
Posted: Fri Aug  3 16:47:04 1990

In article <2814@anasaz.UUCP> john@anasaz.UUCP (John Moore) writes:
>There is a significant difference between the computer on Usenet and
>a repeater. The computer does not tie up any significant natural resource.
>The repeater does: its frequency pair. Here in Arizona its frequently hard
>to coordinate frequency for an open repeater, simply because closed
>systems already control the frequencies for an area. I think this
>is completely wrong, and an abuse of the public trust. I am opposed
>to the coordination of ANY closed repeater. Sure... put up a repeater
>and close it. But don't expect it to have any claim on either the
>input or output frequency! If I want to carry on a simplex conversation
>on the input frequency, using the repeater's PL, that is my right!

Unfortunately it is not your right, the FCC calls it intentional
interference if there is a conversation going on thru the repeater
```

at the time. It has always been considered bad amateur practice
to operate simplex on a repeater input frequency whether the repeater
is open or closed or even if there is no local repeater at all.

Gary KE4ZV

From 8124147167106046978
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11f73b5dc073ff94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 09:09:06 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!decwrl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: Costs...
Message-ID: <81@thoreau.nsc.com>
Date: 3 Aug 90 16:09:06 GMT
References: <59BB39B14C1F0001BB@PSUARCH.Bitnet> <32221@cup.portal.com>
Organization: National Semiconductor, S. Portland, Maine
Lines: 7
Posted: Fri Aug 3 17:09:06 1990

And don't forget that the cell company will likly have to PAY
megabux for those frequencies. Now, who do you suppose is
going to be picking up the bill for theose frequencies ... YOU,
the user.

Ron K3FR

From -4027020621785120595
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c1687312e470a66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 10:36:53 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!xanadu!jeff
From: jeff@xanadu.com (Jeff Crilly N6ZFX)
Newsgroups: rec.ham-radio
Subject: Re: Phonetics for NJ6A (Was: Re: What to do with N0MFW?)
Message-ID: <1990Aug3.173653.20336@xanadu.com>
Date: 3 Aug 90 17:36:53 GMT
References: <3784@altos86.Altos.COM>
<1990Aug3.030431.28804@cunixf.cc.columbia.edu>
Organization: AMIX Corporation, Palo Alto, CA
Lines: 23
Posted: Fri Aug 3 18:36:53 1990

In article <1990Aug3.030431.28804@cunixf.cc.columbia.edu>
gp15@cunixf.cc.columbia.edu (Gerald Pulver) writes:
>In article <3784@altos86.Altos.COM> jerry@altos86.UUCP (Jerry Gardner) writes:

>>
>>How about NJ6A ???
>
>Need Just Six Armadillos ?

O.k. Gerald, maybe you should set up a service.....but I wonder if you can
find phonetics for this one: N6ZFX (I already scanned the dictionary).

Jeff Crilly (N6ZFX)
AMIX Corporation
2345 Yale Street
Palo Alto, CA 94306
jeff@amix.com, {uunet,sun}!markets!jeff

--

Jeff Crilly (N6ZFX)
AMIX Corporation
2345 Yale Street

From -8022823531235111248
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0c423ef3e2fcf52
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 11:12:56 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: Apple II HAM Software
Summary: Here's a list of some
Keywords: Apple II, software, ham radio
Message-ID: <43604@apple.Apple.COM>
Date: 3 Aug 90 18:12:56 GMT
References: <9007301641440E9.AYQP@CSCS855.CS2>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 86
Posted: Fri Aug 3 19:12:56 1990

In article <9007301641440E9.AYQP@CSCS855.CS2> TJB@GNOS.NIST.GOV writes:
[question about various types of ham software for Apple II computers]

Since two people have brought up this subject recently, there may be
others who are wondering the same thing. So I'm reposting the following
information.

****
Apple II Amateur Radio Software
List compiled by N6BIS, 2/25/90

The information in this list was obtained mostly from flyers supplied by the software vendors, or in some cases from reviews in QST. Please check with the vendors for the latest product details, pricing, etc.

The products in this list are not endorsed by Apple Computer, Inc.

PACKET RADIO

PACHAM
Uses a two-microchip interface instead of a TNC.
DaJu Development Company, 39 Long Ridge Road, Carlisle, MA
01741. $49.95

MORSE CODE PRACTICE

Morse+Plus Morse Code Tutor
EPO Software, 7805 NE 147th Avenue, Vancouver, WA 98682.
$15.95

MORSE CODE & RTTY OPERATION

HAM
Sends and receives both Morse code and RTTY.
DaJu Development Company, 39 Long Ridge Road, Carlisle, MA
01741. $49.95

Code Machine
COTEC, 13462 Hammons Ave., Saratoga, CA 95070. $29.95 (discount
if bought in conjunction with another COTEC program)

RTTY Machine
COTEC, 13462 Hammons Ave., Saratoga, CA 95070. $29.95 (discount
if bought in conjunction with another COTEC program)

SATELLITE TRACKING

Apple QuikTrak
AMSAT, PO Box 27, Washington, DC 20044. $25 for AMSAT
members; $35 for non-members

ANTENNA DESIGN

Antenna Design & Dimensions
EPO Software, 7805 NE 147th Avenue, Vancouver, WA 98682.
$9.95

Antenna Trap Designing
Larry East W1HUE, 119-7 Buckland St., Plantsville, CT 06479.

Send formatted disk with stamped, self-addressed return disk
mailer.

LOGGING

Electrolog II
EPO Software, 7805 NE 147th Avenue, Vancouver, WA 98682.
$18.95

Contest Log & Dupe Sheet
EPO Software, 7805 NE 147th Avenue, Vancouver, WA 98682.
$13.95

--end--

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*****************************************************************************
Patty Winter N6BIS                          INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                       UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

```
From 2545151570082246073
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe1482054b817262
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 11:15:44 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!ucsd!sdd.hp.com!hplabs!hpl-opus!
hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Cellular telephone as emergency service?
Message-ID: <1250208@hpnmdla.HP.COM>
Date: 3 Aug 90 18:15:44 GMT
References: <9007192350.AA07535@ucsd.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 12
Posted: Fri Aug  3 19:15:44 1990
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>   Yes, but the point that the cellular system could be made reliable
>   in the face of disaster seems to be a difficult point to grasp for
>   some in this forum.   ...

Could it? Doesn't the cellular system still depend on Ma Bell's phone lines
for any calls outside a cell? The phone system nearly always overloads
in any widespread emergency, and adding the capacity to handle this would
be EXTREMELY expensive.

Al N1AL

From 6102801453549876214
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fcd553a8b336f574
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 11:22:59 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: costs... (long)
Message-ID: <1250209@hpnmdla.HP.COM>
Date: 3 Aug 90 18:22:59 GMT
References: <9007291929.AA23143@tecnet1.jcte.jcs.mil>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 22
Posted: Fri Aug 3 19:22:59 1990

> In article <9007311622.AA04987@mbunix.mitre.org>, ptb@MBUNIX.MITRE.ORG writes:
> |> Ma Bell (or Pacific Bell, New England Telephone, etc.) only designs a
> |> fraction of the users to be able to get dial-tone service at once.
> |> The telephone land-lines could be 100% good, and still if everyone
> |> were to pick up the phone at once, people cant talk.

> Of course. But how is this worse than amateur radio when everyone picks
> up their microphones at the same time? Or worse, when ONE person refuses
> to give up a repeater to emergency use?

I have never heard of channel capacity being a problem on repeaters during emergencies. We have over 100 repeater/simplex channels on 2 meters alone, and most repeater groups are more than willing to vacate a repeater for use in a true emergency.

Of course, 20 meters is another story -- one or two anonymous jammers can wreak havoc. But even here, the problem is not channel capacity.

Al N1AL

From 8354576014135591135
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d790022bf46ae57a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 11:55:12 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!yale!mintaka!snorkelwacker!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: chauvinism (kind of long)
Message-ID: <43607@apple.Apple.COM>
Date: 3 Aug 90 18:55:12 GMT

References: <9008031516.AA19022@tilde>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 67
Posted: Fri Aug 3 19:55:12 1990

In article <9008031516.AA19022@tilde> dube@cpdvax.csc.ti.com writes:

>What's with Derek Wills? Can't ladies be ladies? Can't they be recognized
>as such? I see absolutely nothing chauvinistic in providing activities for
>ladies who choose not to be Hams! No one is trying to keep lady Hams out
>of the Ham activities, either, either as far as I can tell. Lighten up!

I interpreted the flyer the same way Derek did: that the organizers expected all the women attending the show to be more interested in fingernail polish than ham radio. That's not just "providing activities for ladies who choose not to be hams"; it's providing only certain *kinds* of activities. And it makes me gag, too.

I should state up front that in many cases, the organizers are probably correct in assuming that this is the kind of activity non-ham wives want to attend. It pains me to admit that, but having inadvertantly wandered into a jewelry demonstration at a ham convention once, it appears to be true.

However, I believe that any convention group that offers only such activities is selling everyone short. How about a forum for non-ham spouses of hams introducing them to the hobby? I think I saw such a meeting advertised at one convention. Some conventions even offer one-weekend ham classes, with Novice testing at the end.

Okay, so not every non-ham spouse will want to attend a radio forum. There must be unique cultural or historical features of any city that an out-of-town visitor would like to see; why not arrange tours to these? Heck, I'd gladly skip an antenna forum to attend a taping of "Austin City Limits." :-)

>No one is trying to keep lady Hams out
>of the Ham activities, either, as far as I can tell. Lighten up!

From what Jon Covington said, some convention organizers *do* seem to feel that "ALL ladies" would rather play bingo than attend radio forums. Derek isn't imagining that this attitude exists.

>We are in the 20th century, Derek, so let's not forge into the 21st making
>believe there is only one sex.

That's not what Derek said at all. He was simply requesting acknowledgment from ham convention organizers that not all women these days want to attend makeup and jewelry demonstrations.

A related incident: a female ham friend of mine who's very active in emergency communications was asked to speak at the YLRL (Young Ladies' Radio League) forum at a convention a couple of years ago. She reported to me later that the members' favorite activity was making little gifts for each other--potholders, jewelry, stuff like that.

I am *not* criticizing the women who enjoy this; it's thoughtful and undoubtedly gives them a feeling of satisfaction and friendship. **But it isn't the sort of activity that grabs the souls of businesswomen like Susan and me.** I think that's the point Derek was trying to make: yes, there are women (especially non-hams) who enjoy the kinds of activities the Austin convention was offering them. But there are lots (perhaps the 30s-40s crowd who have their own careers) who would prefer a broader and more intellectual choice of alternative activities.

Patty

```
--
*****************************************************************************
Patty Winter N6BIS                        INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                     UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From -8947912403300567122
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 12:03:34 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!t-petesk
From: t-petesk@microsoft.UUCP (Peter SKELLY)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <56289@microsoft.UUCP>
Date: 3 Aug 90 19:03:34 GMT
References: <14117@shlump.nac.dec.com>
Reply-To: t-petesk@microsoft.UUCP (Peter SKELLY)
Organization: Microsoft Corp., Redmond WA
Lines: 60
Posted: Fri Aug 3 20:03:34 1990

In article <14117@shlump.nac.dec.com> goldstein@carafe.enet.dec.com (Fred R. Goldstein) writes:
>Amateur Radio should be inclusive, not exclusive

large message deleted to conserve bandwidth, summary follows: >

```
>
>In summary, we end up with three and a half license classes:
>
>1)         Class B - No code, easy test.  Most VHF privs, power-limited.
>1.5)       Class B + 5 WPM - Class B plus current Novice HF privs.
>2)         General - 5 WPM plus General written test.  250W, all bands
>                 except current Extra sub-bands.
>3)         Advanced - 13 WPM plus Advanced written test.  All privs.
>
>        Current Novices become Class B+, current Technicians get the
```

>   General, and the Extra is grandfathered as a "merit badge" class.
>
>This simplifies the licensing structure, puts privileges in line with the examinations, and provides a marketable entry-level license. Most current licensees gain privileges. The only major loss, to today's General and Technician classes, is to the power limit, and both gain frequencies in return. Incentive Licensing was a disaster. Perhaps Qualification-based licensing can begin to undo the damage.
>   fred k1io
>
>---
>Fred R. Goldstein   goldstein@carafe.enet.dec.com
>   or goldstein@delni.enet.dec.com
>   voice: +1 508 486 7388

I think Fred is on the right track, trying to do something about the incentive licensing scheme, but I think there are a few adjustments to be made.

Trading frequency for power, well, I don't thing very many people will buy this. Also, allowing 5wpm people in the current general and advanced space will not be accepted by the world community unless we can get all of them to change.

No, I think something like what is used in Europe would be better:
With a few ammendments.

There should be 3 classes(for now)
1) A little HF bandspace, a little VFH bandspace, and not a very hard test.
  like the current novice, but without the code.

2) VFH - all VFH privelages
3)) HF - all HF privelages -(must know 13wpm code)

2 and 3 could be merged in a few years.
Yeah, I know this will get rid of some of the Extra Bandspace, but this will push organizations to do proper band planning. Frankly, there is no reason why there has to be a law that only extra's can be in the extra space. It should be that that space should be allocated for high speed CW traffic, whoever wan'ts to use it.

Just some food for thought

Pete KB7GUD Skelly
microsoft!t-petesk
my opinions are my own

From 4771522790545357309
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 12:27:33 PST

Path: gmdzi!unido!mcsun!uunet!snorkelwacker!spdcc!merk!alliant!linus!philabs!
briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <104963@philabs.Philips.Com>
Date: 3 Aug 90 19:27:33 GMT
References: <31.Jul.90.10:57:43.BST.#2288@UK.AC.NWL.IA> <LPX&-
WM@splut.conmicro.com>
Sender: news@philabs.Philips.Com
Reply-To: rfc@briar.philips.com.UUCP (Robert Casey)
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 20
Posted: Fri Aug 3 20:27:33 1990

In article <LPX&-WM@splut.conmicro.com> jay@splut.conmicro.com (Jay "you ignorant
splut!" Maynard) writes:
>Here, repeaters can be placed on the air by any ham with a Technician or
>higher class license. Sometimes, for various reasons, the person
WA2ISE> or club who
>sunk thousands of dollars into the machine wants people who use it to
>help him with the expense of maintenance and operation, as well as the
>up-front cost of the machine.
>

I have gotten the impression (from somewheres) that if you join one repeater
group that runs an open machine, that you don't need to join (ie, fund) other
machines that you might occasionally use. And that your group lets other
people from other repeater clubs use yours.

I suppose after a beginner finds out about the above (if true), he'll settle
onto a favorite repeater, and eventually join its club. Guess the same thing
holds for packet; I joined (or sent money to) the group that runs my home BBS
(KD6TH, RATS). I do more packet than talking, anyway.

73 de WA2ISE

==

From -1901196790552798037
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c1687312e470a66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 12:46:53 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-
state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Phonetics for NJ6A (Was: Re: What to do with N0MFW?)
Message-ID: <7880236@hpfcdc.HP.COM>
Date: 3 Aug 90 19:46:53 GMT
References: <7880194@hpfcdc.HP.COM>
Organization: HP Fort Collins, Co.
Lines: 11

Posted: Fri Aug 3 20:46:53 1990

>You all are doing so good with those others, how about some for KB0HBX?

How 'Bout seX?
Home Box
Hula Box

Now you know why I asked for help with N0MFW.

How 'Bout getting a Tech license? :-)

Now you know why I turned in KB0GPX.

From -7721476000446721435
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed01814e80e47a1f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 13:10:53 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.UUCP (Aloysius Burpington-Smythe)
Newsgroups: rec.ham-radio
Subject: oink oink
Keywords: alternative things at hamfests
Message-ID: <35107@ut-emx.UUCP>
Date: 3 Aug 90 20:10:53 GMT
Organization: The University of Texas at Austin, Austin, Texas
Lines: 40
Posted: Fri Aug 3 21:10:53 1990

dube@cpdvax.csc.ti.com responds to my posting as follows:

>>What's with Derek Wills? Can't ladies be ladies? Can't they be recognized
>>as such? I see absolutely nothing chauvinistic in providing activities for
>>ladies who choose not to be Hams! No one is trying to keep lady Hams out
>>of the Ham activities, either, either as far as I can tell. Lighten up!
>>There ought to be room for everyone at the Austin Hamfest.

>>73,   Dube   N5PDK

Perhaps I didn't make myself clear. What I was objecting to was the clear inference that if you are at a hamfest you are either (a) a ham, or (b) a woman. I further objected to the fact that the only activities for the women involved personal adornment and 'crafts', and that these were alternatives to 'staying at home"..

Am I so unusual in knowing women who are hams and whose husbands are not? Were I a non-ham husband of a ham, I don't think I'd want to attend sessions on face-painting and fingernail preservation. I've never organized a hamfest (and have never attended one), but aren't there ever sessions on "how to become a ham" or "what hamming is about", which ham spouses could go to in order to find out what all the spousal excitement is about? Why not tours of the city (there are plenty of places in and around Austin)? My wife has an astronomy Ph.D., and if I suggested that she accompany me to the hamfest and attend the beauty sessions I'd be in REAL trouble :-)   OK, so you don't schedule sessions on the latest in astrophysics, but you don't go to the other extreme and assume that women spend all their time at home or in the beauty parlor.

I do, however, agree with Dube's last line (above) - "There ought to be room for everyone...." That's what I was trying to say.

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu
wills@utxvm (Bitnet)

From 7136884683040515457
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 14:28:49 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!mintaka!yale!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <2824@anasaz.UUCP>
Date: 3 Aug 90 21:28:49 GMT
References: <31.Jul.90.10:57:43.BST.#2288@UK.AC.NWL.IA> <LPX&-WM@splut.conmicro.com> <2814@anasaz.UUCP> <2KZ&2Z:@splut.conmicro.com>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 44
Posted: Fri Aug 3 22:28:49 1990

In article <2KZ&2Z:@splut.conmicro.com> jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard) writes:
]In article <2814@anasaz.UUCP> john@anasaz.UUCP (John Moore) writes:
]>Sure... put up a repeater
]>and close it. But don't expect it to have any claim on either the
]>input or output frequency! If I want to carry on a simplex conversation
]>on the input frequency, using the repeater's PL, that is my right!
]
]John, surely you don't mean to claim a right to maliciously interfere
]with other amateurs...but that's exactly what that claim amounts to.

You're right, Jay, I don't mean to claim that right. Look up the definition of malicious interference sometime. In general (ignoring the FCC's toothless statements about repeater coordination), the

rule on a frequency is first-come, first-serve on a per-QSO basis.
So, if a private repeater is not in use, and I strike up a conversation
on its input with someone else, I am not in violation of ANY FCC rules.
Now, let's say someone comes along and wants to use the repeater, so
they get on and start talking. THEY are guilty of interference.

NO ONE is guilty of malicious interference unless they intend to interfere
with a conversation. Malicous interference requires INTENT. Believe me,
having been involved in the successful prosecution of 2 cases of
malicious interference, I know that you need to show intent in order
make the charges stick.

So... having demolished malicious interference... lets consider other
FCC rules. The FCC has said that interference to a coordinated repeater
has primacy over other users of its frequency pair. That means that
if a repeater is coordinated, and you do what I described, AND it
causes interference, the FCC might go after you for "good amateur
practice" violations. If the repeater is un-coordinated, they would
go after the repeater USER, rather than those who were already engaged
in conversation on its input.

Now... I'm not going to go around talking on closed repeater inputs in AZ -
there are plenty of other frequencies to use. If their weren't, however,
I suspect that the closed repeaters would lose their coordination. In that
case, I would use their inputs for simplex.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -5840469870501329411
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3acdc752cbb0bc76,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 14:58:33 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: my comments filing on the Communicator class
Message-ID: <16780@ucsd.Edu>
Date: 3 Aug 90 21:58:33 GMT
Organization: The Avant-Garde of the Now, Ltd.
Lines: 357
Posted: Fri Aug 3 22:58:33 1990
Epitaph: he got things done whilst others stood and argued

Before the
Federal Communications Commission
Washington, D. C. 20554

In the matter of)
)
Amendment of Part 97 of the) PR Docket 90-55
Commission's Rules Concerning)
the Establishment of a Codeless)
Class of Amateur Operator License)

To: The Commission

COMMENTS OF BRIAN KANTOR

August 1, 1990

Summary

The author believes that the Commission's proposal for a codeless Communicator class of Amateur Radio license is an excellent idea and will be instrumental in generating new interest in Amateur Radio. It has long been apparent that the Morse code requirement for any class of Amateur license has been a barrier to the entry of many otherwise qualified people into the Amateur radio service. Since Morse code is rarely used in VHF and UHF communications, there does not need to be an examination requirement for a license that would permit operation only above 30 MHz.

However, the author strongly disagrees with the proposal to exile these new codeless-class licensees solely to frequencies above 220 MHz, and instead believes that it would be to the greater benefit of the people of the United States and the Amateur service to allow these licensees all amateur privileges above 30 MHz.

Further, the author feels that the Commission's desire to simplify the Amateur licensing structure is a good idea, but believes that the Commission's proposal to eliminate the ``lower'' grades of license is the wrong approach as it will discourage the entry of new hams into the Amateur radio service.

Discussion

Advancing the USA's technological leadership

In today's technologically competitive environment, anything we can do to encourage interest in scientific and technical fields can only be to the benefit of all the citizens of the United States. I feel that the proposed no-code license will further this goal, since it will encourage many young people to enter a technologically-demanding hobby, and may well influence their choice of career in favor of engineering and scientific work. At a time when surveys show a greater-than-ever decline in scientific knowledge and interest among high school and college students as well as the public at large, it makes good political and business sense to encourage our citizens to pursue those interests that placed America in the position of world leadership that it now enjoys.

Many of the other nations of the world have codeless amateur radio licenses. In fact, few countries which permit amateur radio do not have some class of codeless ham license. In effect, the US requirement that all ham radio licensees learn and demonstrate Morse code proficiency is losing our country the competitive advantage of encouraging the technological progress of many qualified citizens through their participation in the amateur radio service.

Morse Code is a barrier

The requirement of learning to send and receive Morse code is often mentioned as the one entry barrier by many technically-inclined individuals who would otherwise have become ham radio operators. These people do not believe that their time would be well-spent in learning a largely useless ``skill'' that is of no practical application in modern communications. They (perhaps rightly) view learning the Morse code as a kind of ``hazing'' they would have to pass in order to join the fraternity of Amateur radio operators.

Therefore, the elimination of what many consider an obsolete and superfluous requirement for entry into the ranks of Amateur radio would clearly be to the benefit to the Amateur service as a whole, since interested people will now be able to join in. Some of these will already be technically advanced in the electronics and radio arts. Others will be beginners who will learn from their ham radio experiences. Many of both groups will contribute to the advancement of the radio and electronics arts.

The Need for Morse Code Proficiency

It is clear that in today's advanced radio environment, digital and voice modes have supplanted all but a tiny amount of Morse code communications.

It is no longer necessary for a competent radio operator to know Morse code; Morse is rarely used outside of the amateur radio service. Much of the non-ham Morse is mechanically sent and received using automatic equipment, so that the operator really does not need to have a knowledge of Morse. Indeed, many ham radio operators use such mechanical devices instead of manual methods to send and receive Morse.

Thus a ham license which has no Morse code requirement will still promote a reserve of trained radio operators.

Morse code is rarely used in VHF and UHF communications, and while it is often heard on the HF Amateur bands, it is only one of many modes in use there. Although Morse is popular among a subset of hams proud of their skill, a great majority of amateur communications are by voice, with the use of digital communications methods (such as packet radio) increasing by leaps and bounds. Even the traditional advantage of Morse for weak-signal communications no longer holds true: digital signal processing techniques have yielded communications systems which can be built by the ham experimenter that will provide reliable communications at received signal strengths far below those at which the human ear can even discern that there is a Morse signal present.

The argument has been advanced by some that the Morse requirement serves as a useful ``filter'' to keep out the less-disciplined or ``rabble'' elements. That is clearly not true. In countries around the world, there are many codeless amateur radio licensees, and yet no higher percentage of rules violations seem attributable to these operators. Additionally, one need only look at the few ``bad apples'' currently to be found among the amateur ranks; it is notable that these seem to be roughly evenly spread among those of all license classes, even those with the higher grades of amateur license which have more difficult Morse code requirements. Clearly the existing Morse requirement has not filtered out the few undesireables.

I do not believe we will see an influx of hooligans as a result of establishing a non-code class of ham license, since there will still be an examination that a prospective licensee must pass to demonstrate his knowledge of regulations, operating procedure, and technical knowledge.

But Morse code does have a place in the tradition of amateur radio. I do not propose at all that the Commission ban Morse code. Undoubtedly those who are interested in preserving this nearly-obsolete mode of communication will acquire the skill and equipment, and keep Morse alive, much as the current fans of AM do. The ability to send and receive Morse code is, after all, a skill that one can be proud of. I merely maintain that, because of its irrelevance to much of modern Amateur practice, it is not a skill that need be required of all licensees.

Against segregation of licensees

Some have suggested that Communicator Class licensees not be given the privilege of operating the six- and two-meter amateur bands. This smacks of a segregation akin to that of the suburb dweller who allows that it is ok for a member of a minority to be given equal housing privileges as long as it isn't in his neighborhood.

Unfortunately, for as long as international treaty and regulations require, it is necessary that a codeless class of amateur license must be restricted to the amateur bands above 30 MHz. However, I can see no merit in the proposed restriction of Communicator Class licensees from using the six- and two-meter amateur bands. While it is true that these are popular bands, and although these bands are quite busy in many larger communities (with thousands of amateurs making daily usage of hundreds of repeaters and other modes), these bands can accomodate more hams.

If the Commission's vision is to introduce the Communicator class of license as a steppingstone to more advanced ham licenses, it makes very little sense to segregate the newcomers from the experienced amateurs. These new licensees could learn much of the traditions and skills of amateur radio from experienced hams; keeping them apart would prevent this valuable interaction from occurring.

The most recent advances in Amateur radio technology are in the areas of digital communications and satellites. Many of the people working in these areas do not hold the higher classes of amateur license; in fact, a very large number of them (such as myself) hold the Technician class of license - the very minimum license we could get to allow us to pursue what we were interested in doing. I believe that many who will take advantage of the proposed no-code license will participate in the same ways, and it makes little sense to keep them apart.

Simplification of the Amateur License Structure

The Commission has expressed a desire to combine existing license classes and the proposed Communicator class licenses as a means to avoid further complexity in the multiple tiers of amateur licensing. I believe that this goal is a good one, but that this is not the best way to achieve it. Rather, I feel that eliminating the ``entry level'' licenses would work against the best interests of the amateur radio service. Although not perhaps the subject of this rulemaking, such a simplification has been brought up by the Commission as part of the Communicator class proposal, and I would like to submit to the Commission the following thoughts on a simplified license structure.

I suggest that Amateur radio licensing should be simplified to just three classes of license: Novice, Technician, and General.

The Novice license would be retained in its present form as an entry point to the Amateur service. The 5 wpm telegraphy, rules, and basic theory and practice examination would remain essentially the same. The license would grant the same privileges as the existing Novice class license.

The Technician license would have a more extensive theory and practice examination, equivalent to the existing Technician/General class license, but would have no Morse code telegraphy requirement. It would grant all amateur privileges above 30 MHz, and to encourage Technician class licensees to advance the next grade of license, all Novice class telegraphy privileges. Essentially, this is the existing Technician class license with no telegraphy examination.

The General license would include the Novice telegraphy test and the Technician rules, procedure, and technical examination requirements, and would grant all amateur privileges in all bands.

Incentive Licensing has been counterproductive

The ``Incentive Licensing'' scheme inspired by the ARRL and established by the Commission many years ago was in many ways an experiment to improve the quality of Amateur licensees by rewarding them with additional privileges. In a large part this experiment has not proved successful, primarily because the path of advancement of amateur radio has primarily been the VHF bands (and above) where the additional privileges to be gained by earning a higher class of license were minimal at best. (The argument has been put forth that the reason that this advancement of the state of the art took place at VHF and above was because of the restrictions cause by incentive licensing, but that is unprovable, however likely.)

Thus incentive licensing has not succeeded in its stated goal of advancing the state of the art of amateur radio. During its tenure, we have seen an ever-aging ham population shrink as fewer young people were inducted into the Amateur service. Much of this may be due to the fact that a major portion of the advancement to a higher grade of license was tied to a increasingly less-relevant Morse code requirement.

Many amateurs have expressed the thought that incentive licensing was a mistake and that it is time to abolish it. Although the ARRL, which represents a large portion of the US amateur community, has yet to take an official position on the matter, many ARRL members and directors have personally expressed the opinion that pushing for incentive licensing was one of the biggest mistakes the ARRL ever made.

Certificates of Proficiency

It is clear that many people have obtained higher grades of Amateur license because of the satisfaction that earning certifications of advanced knowledge and skills can bring. Currently the ARRL issues certificates of Morse code proficiency at levels beyond those of Commission regulated licenses, and many amateurs have taken and been awarded these honors.

I believe that voluntary organizations like the ARRL could offer examinations covering advanced technical topics and other skills, and issue certificates of achievement to those demonstrating their abilities. Far more than a few grades of license, these could examine and certify people in a variety of topics and levels of skill, and would further Amateur Radio as a self-regulating service, as well as greatly reducing the amount of administrative work the Commission would have to perform. These non-regulatory certificates of achievement would reward those hams who have demonstrated above-average skills far better than a few kilohertz of ``restricted neighborhoods'' can.

Conclusion

Thus I believe that the Commission should establish a class of Amateur license with no Morse code examination, a technical, procedural, and regulations examination equivalent to that of existing Technician or General class of licenses, and that such a license should grant all Amateur operating privileges in all Amateur bands above 30 MHz.

Further, I believe that the Commission should, perhaps in a separate action, simplify the existing license structure by combining the existing Technician, General, Advanced and Extra Class licenses into the General class of license with a minimal Morse code requirement (as required by international treaty). The Novice class of license should be retained as a beginner's entry point into Amateur Radio.

I believe that these changes will foster the growth of Amateur radio and that in turn will provide direct and indirect benefits to all the citizens of the United States.

Author's qualifications

I has been involved in radio more than twenty years, and have held a Technician class amateur license since 1971. I have been the licensee of several remote controlled, auxiliary, and repeater stations, the trustee of a ham club station. I held a First-Class Radiotelephone license, with Ship Radar Endorsement, and currently hold a General Radiotelephone License (again, with Ship Radar endorsement), as well as other Commission-issued licenses and permits.

I am interested in amateur radio digital communications and networking, have presented papers at the ARRL computer networking conference, and am the author of DARPA networking standards. I have built many amateur repeater systems, including several using microprocessor control; worked as a commercial radio service technician and systems engineer, radio station and television studio engineer; and am employed as a senior systems analyst at the University of California San Diego Network Operations group. I am currently researching basic radio networking, including the use of store-and-forward messaging systems as a means to improve the capability of amateur radio to provide communications in times of need.

I have no business or other pecuniary interest in amateur radio.

Thank you for your consideration of these comments.

Respectfully,

Brian Kantor

From 5045478245724715353
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4695b39ad08e150b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,4695b39ad08e150b,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,4695b39ad08e150b,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 105d97,4695b39ad08e150b,start
X-Google-Attributes: gid105d97,public
X-Google-Thread: f76e2,4695b39ad08e150b,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-08-03 15:39:36 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!sdd.hp.com!decwrl!shelby!portia.stanford.edu!stankus
From: stankus@portia.Stanford.EDU (John Stankus)

Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,sci.electronics,rec.radio.shortwave
Subject: Info wanted on Equitorial Receiver
Message-ID: <1990Aug3.223936.6679@portia.Stanford.EDU>
Date: 3 Aug 90 22:39:36 GMT
Sender: stankus@portia.Stanford.EDU (John Stankus)
Organization: AIR, Stanford University
Lines: 14
Xref: gmdzi rec.ham-radio:13578 rec.ham-radio.packet:2615 rec.ham-radio.swap:556 sci.electronics:7810 rec.radio.shortwave:1755
Posted: Fri Aug 3 23:39:36 1990

I am looking for Installation and service manuals (or any other information on) foran Equitorial Receiver-Controller model 5100. I think Equitorial in now part of Contel. My dad is interested in tinkering with one he picked up surplus.

Pse reply by email

TNX
John

John J. Stankus   N5PEE   Chemistry Department
stankus@portia.stanford.edu   Stanford University

From -3880117151099944552
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,553f46de8e64692,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 15:59:51 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!cs.utexas.edu!oakhill!dover!peacock
From: peacock@dover.sps.mot.com (Don Peacock)
Newsgroups: rec.ham-radio
Subject: Mods/info wanted for Ten Tec Omni-D
Message-ID: <2363@dover.sps.mot.com>
Date: 3 Aug 90 22:59:51 GMT
Reply-To: peacock@dover.sps.mot.com.UUCP (Don Peacock)
Organization: Motorola SPS, Mesa, AZ
Lines: 17
Posted: Fri Aug 3 23:59:51 1990

I recently passed my novice and Tech test (haven't recieved them yet). I purchased a Ten Tex Omni-D and have been listening to you all talk. I would like to find mods for this rig, even though I wouldn't use them for a while. I have the 10mhz transmit and WARC transmit mods from Ten Tec, (Ten Tec IS as good at customer service as you have heard). Any mods, or war stories would be appreciated. The rig seems to receive fine, and all the built in filters are terrific (especially the CW ones) but I think

it could use some help in the SSB audio department. Anyone have any nice
audio filter/speaker projects that might help me out ?

Thanks
Don Peacock
peacock@dover.sps.mot.com
donp@caen.engin.umich.edu

callsign **7*** :-) What do I do with that one!

```
From -1144317139965491828
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 16:05:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!noose.ecn.purdue.edu!iuvax!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <30500643@ux1.cso.uiuc.edu>
Date: 3 Aug 90 23:05:00 GMT
References: <14117@shlump.nac.dec.com>
Lines: 37
Nf-ID: #R:shlump.nac.dec.com:14117:ux1.cso.uiuc.edu:30500643:000:2009
Nf-From: ux1.cso.uiuc.edu!phil    Aug  3 18:05:00 1990
Posted: Sat Aug  4 00:05:00 1990
```

> I thought about that. The idea behind the easiest (neo-Novice) license
> is to pick up about 90% of current VHF operation. It picks up FM
> chatting (repeater users, not operators -- my "owner" meant "licensee
> of"). It picks up packet. It picks up most SSB. It intentionally
> leaves out "weak signal" and especially "moonbounce". Both of those
> tend to use high power, and both tend to be done on CW! (Weak signal
> terrestrial is often SSB, but serious weak signal work often falls back
> to CW.)

But a lot DOES exist on SSB. And a lot of the CW, ESPECIALLY THE MOONBOUNCE
is done quite SLOW. You could be looking it up on a Morse Code chart.

> For 5 WPM, you get a somewhat higher power limit on VHF/UHF; I didn't
> mean to limit Generals to Novice levels. (Except maybe on HF, where
> Novice power is a-plenty!) I suppose some moonbouncers may not be
> good at CW, but how big a problem will that really be? In the interest
> of simplicity, of course, I don't want to add a super-VHF license.
>
> Very few hams need more than a hundred watts or so on VHF. BTW, I don't
> have a problem going to 10 or 25 watts on 1240 and up, from the current
> novice 5 watts, since reality says we have to match Japanese radios and
> not the other way around.

But the original issue with regard to the CW exam is the fact that it is just not "relevant" and should not be used, except for getting access to HF (due to international agreements) and maybe also for accessing some small high speed CW subbands with a higher speed exam.

I agree that few hams need more that 100 watts or so of power, but for those that do, the relevant exam needs to be directed at what one needs to know to deal with the high power properly, not the kind of operation most happen to choose to do with activities that usually also require high power.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From -9155648863058332731
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 16:09:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!noose.ecn.purdue.edu!iuvax!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <30500644@ux1.cso.uiuc.edu>
Date: 3 Aug 90 23:09:00 GMT
References: <14117@shlump.nac.dec.com>
Lines: 24
Nf-ID: #R:shlump.nac.dec.com:14117:ux1.cso.uiuc.edu:30500644:000:1232
Nf-From: ux1.cso.uiuc.edu!phil    Aug  3 18:09:00 1990
Posted: Sat Aug  4 00:09:00 1990
```

> +---------------
> | > the applicant need not use the suffix (i.e., /KN) after the FCC has been
> | > given sufficient time to update its records to reflect the endorsement
> | > (say, 30 days).
> |
> | It probably won't simplify things since recording CSCE data like this is
> | a new and different procedure they've never done before. It would probably
> | be best to just have a distince class.
> +---------------
>
> Phil, what is the practical difference between the suggestion above and the
> current situation when a person upgrades but keeps his old call sign? Whethe
> it's called a "class" or an "accreditation" or etc. doesn't much matter.

If it's NOT called a class, it won't fit into the FCC computer. But the FCC will still have to keep a record of it. If it doesn't fit into their system now, they have to modify it or add a new system. That option appears to be not available. But since they have to do the work to record the data anyway it might as well just be called a class (maximum of 6 of them) and fit into

```
the present system and that be that.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From 3043255570915895698
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 16:17:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <30500645@ux1.cso.uiuc.edu>
Date: 3 Aug 90 23:17:00 GMT
References: <14117@shlump.nac.dec.com>
Lines: 23
Nf-ID: #R:shlump.nac.dec.com:14117:ux1.cso.uiuc.edu:30500645:000:828
Nf-From: ux1.cso.uiuc.edu!phil    Aug  3 18:17:00 1990
Posted: Sat Aug  4 00:17:00 1990


> >Shouldn't we strive for a little more than "competence" ?
>
> NO!!!!!!!!
>
> Excellence should be self motivated, not by licensing.
>
> John KD7UW

I agree.

All that needs to be tested on is ENOUGH competence to properly operate
on the radio frequencies as authorized, NO MORE.  That DOES include things
like preventing RFI (because you have your choice of frequency, power, and
emission mode, which other service operators rarely have), personal safety,
and of course the rules and regulations.

For instance you do NOT need to know Morse Code to avoid being a nuisance
on the CW subbands; you only need to know that if you don't know code, you
should not be there.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From 3197649207921073237
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
```

```
X-Google-ArrivalTime: 1990-08-03 16:32:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <30500648@ux1.cso.uiuc.edu>
Date: 3 Aug 90 23:32:00 GMT
References: <LPX&-WM@splut.conmicro.com>
Lines: 93
Nf-ID: #R:<LPX&-WM@splut.conmicro.com>:-28:ux1.cso.uiuc.edu:30500648:000:2409
Nf-From: ux1.cso.uiuc.edu!phil    Aug  3 18:32:00 1990
Posted: Sat Aug  4 00:32:00 1990
```

FLAME WARNING

now's your chance to skip

last chance !!

> Let's take the repeater I operate on - private, in the sense that you
> are asked not to use it unless you've been approved by the trustee.
> Since it's not open, the coordinator decides to tell him to either open
> it up or get off the air. I can tell you what Jim's reaction would be:
> he'd tell the coordination body to go to hell, and leave it on anyway.

Jim who? It would be time NOW!! to petition the FCC for new rules to
allow coordinators to pull his ticket!! Actually, I'm not that serious
about the rules, but this Jim character sounds like #1 A**hole.

> The coordinator could not force him to shut it down. If they tried to
> coordinate another repeater on the same channel, Jim would sue so fast
> your head would swim - because the rules were changed in midstream. Why
> should a coordinator invite a lawsuit in today's litigation-happy
> society?

Now we *KNOW* this Jim is an A**hole (if he sued).

First of all no rules were changed in midstream because no rules exist.
Sure, the coordinators have policies, but these are NOT legally binding
and have no importance to the courts. Out goes sick Jim's one argument.

There is a definite problem in our society of people being all to happy
to sue. I would expect the coordinator to (and if it were me, definitely
would) counter-sue. While the law suit would be a major hassle for both
parties, I know which way it would ultimately go.

> I'll take your complaints a lot more seriously when you sit in the hot
> seat for a while. You won't get your teeth kicked in if your ideas are
> implemented; I will.

Perhaps we should just up and sue Jim for wasting spectrum and causing
the loss of 220-222 Mhz. At the current rate of value I'd estimate we
could ask for about 4 billion dollars. But all we'd probably get to
walk away with is his house and (now un)coordinated repeater.

It's a**holes like Jim that are CAUSING the coordination mess. These guys
need to be shutdown, and quickly, before we all get shutdown for lack of
any spectrum.

Is Jim gonna sue the FCC for loss of 220-222 Mhz?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society

<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From 2040665501333239318
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 16:47:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!sdd.hp.com!uakari.primate.wisc.edu!
zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <30500649@ux1.cso.uiuc.edu>
Date: 3 Aug 90 23:47:00 GMT
References: <LPX&-WM@splut.conmicro.com>
Lines: 29
Nf-ID: #R:<LPX&-WM@splut.conmicro.com>:-28:ux1.cso.uiuc.edu:30500649:000:1534
Nf-From: ux1.cso.uiuc.edu!phil    Aug  3 18:47:00 1990
Posted: Sat Aug  4 00:47:00 1990
```

> One reason for closing a repeater is to prevent it being taken over
> by the long winded old geezers talking about their latest operation.
> One reason for an open repeater is to welcome new people and new
> ideas. I don't have a hard and fast answer to this question. I think
> it depends on local conditions.

While I think this is a valid case for a closed repeater, as I don't particularly care to hear about what's gonna happen when I get older, I must defend the old geezer's right to use whatever frequency he wants to use as long as doing so does not interfere with other radio operations.

But the interpretation a lot of people (repeater owners) are making of a coordination is of being the "owner" of the frequency in that location, and that just is not so, even if the coordinators are saying so. The coordinators that are saying so probably deserve to be sued, as they have no authority to grant ownership of a frequency.

If coordinators, repeater owners, and others, did a BETTER job of working out the problems with coordinated repeaters, then there would be enough repeater frequency pairs to satisfy all the needs amateur radio has. As it is now, they are not doing enough. There are many reasons for this, from threatened law suits, to conflict of interest. Some coordinators try, and run into problems with others. Some coordinators just don't care to.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 4298306265022790285

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9dc02c08fa189bb6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 17:09:00 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!mailrus!cs.utexas.edu!sdd.hp.com!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Plan to TAKE AWAY 2 Meters and 440
Message-ID: <30500650@ux1.cso.uiuc.edu>
Date: 4 Aug 90 00:09:00 GMT
References: <1699@raybed2.msd.ray.com>
Lines: 25
Nf-ID: #R:raybed2.msd.ray.com:1699:ux1.cso.uiuc.edu:30500650:000:1269
Nf-From: ux1.cso.uiuc.edu!phil   Aug 3 19:09:00 1990
Posted: Sat Aug 4 01:09:00 1990

In the major metropolitan areas, even the UHF TV band is "full". Of course "fullness" here means just tight enough for **CHEAP** TV receivers to be barely able to slice apart the stations (30 Mhz of empty space between co-located stations). This is a HORRIBLE waste of spectrum just to save $10 per receiver.

UHF stations should be able to operate much closer and even ADJACENT.

But what is really sad is that VHF and UHF TV is a primarily FIXED point-to-multipoint service, which is more suitable to spectrum above 2 to 4 Ghz. FM radio broadcasting still tends to be mobile enough that it should not have to move up there. The appropriate usage for spectrum in the 30-3000 Mhz range is mostly mobile.

Just think of what land mobile could do with 42 Mhz of VHF high band divided into 8400 5 khz channels and 336 Mhz of UHF divided into 13440 25 khz channels (or 16800 20 khz) and trunked. I'd suggest 76-88 be used to expand FM broadcasting, and 54-72 could have many other uses.

We just need to find a place to put broadcast TV way up there.
I would certainly urge that HDTV *NOT* be allowed below 2 Ghz.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 3265453474707846081
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-03 17:18:03 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio

Subject: Re: Repeaters.
Message-ID: <1990Aug4.001803.13914@bellcore-2.bellcore.com>
Date: 4 Aug 90 00:18:03 GMT
References: <31.Jul.90.10:57:43.BST.#2288@UK.AC.NWL.IA> <LPX&-
WM@splut.conmicro.com> <1990Aug1.213344.1217@bellcore-2.bellcore.com>
<RJY&V2#@splut.conmicro.com> <2817@anasaz.UUCP>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 27
Posted: Sat Aug 4 01:18:03 1990

In article <2817@anasaz.UUCP>, john@anasaz.UUCP (John Moore) writes:
|> Sounds like Jim is hardly a credit to amateur radio, if he is willing
|> to sue a volunteer over a hobby related manner! Who is this guy, anyway?

John,

You have to realize that the "we can't change anything, we'd get sued" line is basically nothing more than a cop-out. Anybody can sue anyone for any reason at any time in this country. It doesn't mean a judge will agree with their grievance.

This excuse is unfortunately quite prevalent among frequency coordinators. Some time ago I got into a discussion with one of the local council members. I asked how the remaining part of the 220 band would be divvied up if/when we end up losing 220-222 MHz. I added that I thought the only fair way to do it would be to take away 40% of the repeater band, 40% of the simplex band, 40% of the packet band, etc. (This is a subject of considerable interest to me since I operate 56kb/s packet on 220.55.)

His response was "we can't tell any of the repeater owners in 222-225 to move! They'd sue us!" My response: "How do you know *I* won't sue you?" I said it with a smile, but I think he got the message. He didn't have an answer to that.

Phil

From 5467606020774848312
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11f73b5dc073ff94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 05:04:16 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!maverick.ksu.ksu.edu!
zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!ucbvax!MBUNIX.MITRE.ORG!ptb
From: ptb@MBUNIX.MITRE.ORG
Newsgroups: rec.ham-radio
Subject: Re: Costs...
Message-ID: <9008011204.AA07859@mbunix.mitre.org>
Date: 1 Aug 90 12:04:16 GMT

Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 50
Posted: Wed Aug 1 13:04:16 1990

I got this message today in the mail. I thought that you might find it informative.

Peter

************** Forwarded Message *********************
Return-Path: lrj@cs.cornell.edu
Received: from LOKI.CS.CORNELL.EDU by cu-arpa.cs.cornell.edu (5.61+2/1.91d)
     id AA02458; Tue, 31 Jul 90 15:41:22 -0400
Received: from ISHTAR.CS.CORNELL.EDU by loki.cs.cornell.edu (5.61/I-1.91f)
     id AA19647; Tue, 31 Jul 90 15:40:20 -0400
Date: Tue, 31 Jul 90 15:40:16 EDT
From: lrj@cs.cornell.edu (Lewis Jansen)
Message-Id: <9007311940.AA02696@ishtar.cs.cornell.edu>
Received: by ishtar.cs.cornell.edu (4.0/N-0.08)
     id AA02696; Tue, 31 Jul 90 15:40:16 EDT
To: ptb
Subject: Re: Costs...
Newsgroups: rec.ham-radio
In-Reply-To: <9007311622.AA04987@mbunix.mitre.org>
Organization: Lab of Atomic and Solid State Physics, Cornell University
Cc:

* some stuff deleted *

Cornell *does* have an ARC, but it tends to be somewhat inactive during the summer. There's also the Tompkins County ARC, of which I am also a member.

Anyway, if this mysterious person *is* at Cornell and is concerned about what to do in an emergency, have him call Ray Reynolds, AF2A, at 387-5290. Ray's the Tompkins Co. ARES EC and can probably give him the names and numbers of all the Asst. EC's as well.

--
-- Lewis R. Jansen, N2KNV   lrj@helios.tn.cornell.edu
LASSP/LNS Systems Manager   (607) 255-6065

"You can't fight in here, this is the War Room!"

******* End of forwarded message ********

Where there is a will, there is a way....

English: Peter T. Baldwin
Arpa: ptb@mbunix.mitre.org
Phone: (617) 271-7647 (days)

Snail Mail: Mitre Corp, MS K306, Burlington Rd, Bedford, Ma. 01730
Voice: Peter!

From -8076599382869483665
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 05:29:44 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!swbatl!texbell!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <LPX&-WM@splut.conmicro.com>
Date: 1 Aug 90 12:29:44 GMT
References: <31.Jul.90.10:57:43.BST.#2288@UK.AC.NWL.IA>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 47
Posted: Wed Aug 1 13:29:44 1990

In article <31.Jul.90.10:57:43.BST.#2288@UK.AC.NWL.IA> PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon") writes:
>My question is: Why does anyone want a 'private'
>repeater? IMHO a mixture of elitism and one-upmanship?
>And *such* a poor use of spectrum-space!

You'll get many inflammatory replies to this one from the anti-FM repeater crowd; here's an attempt at an informative one:

Here, repeaters can be placed on the air by any ham with a Technician or higher class license. Sometimes, for various reasons, the person who's sunk thousands of dollars into the machine wants people who use it to help him with the expense of maintenance and operation, as well as the up-front cost of the machine. Other times, as with the repeater I hang out on, the trustee simply wants to make sure that the user understands unusual features of the repeater before beginning to use it. Finally, the repeater may have been placed on the air for a specific purpose, and the trustee wants to make sure that that purpose is adhered to.

The FCC, recognizing that there is a place for private repeaters, specifically allows them in the amateur rules:

S 97.205 Repeater station.
(a) Any amateur station licensed to a holder of a Technician, General, Advanced or Amateur Extra Class operator license may be a repeater. A holder of a Technician, Genera, Advanced or Amateur Extra Class operator license may be the control operator of a repeater, subject to the privileges of the class of operator license held.
[...]
(e) Ancillary functions of a repeater that are available to users on the input channel are not considered remotely controlled

functions of the station. Limiting the use of a repeater to only
certain user stations is permissible.

Yes, I agree that some closed repeaters are that way only because the
owner doesn't want anyone but his buddies on it. Those, though, are in
the minority - and, just like a computer on the Usenet, it's HIS
repeater, and he may operate it in any manner he wishes, as long as it's
in accordance with the rules. He has just as much right to operate it as
a club that's altruistic enough to let anyone and everyone operate on
it.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
"It's a hardware bug!" "It's a      +--------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_
```

From -4623086560492396861
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,78e2519e6a767018,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 06:27:45 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: TAxes on imported kit..
Message-ID: <01.Aug.90.14:37:00.BST.#3260@UK.AC.NWL.IA>
Date: 1 Aug 90 13:27:45 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Wed Aug 1 14:27:45 1990

>
>It's a tax ON THE VALUE ADDED during any sort of process or
>transaction that does raise the price. Aunt Margaret wants
>her cut in EVERY STEP OF THE WAY.
>
>--Phil Howard, KA9WGN-- |

If only it were so! Much of our UK VAT goes to fuel European Subsidies to
inefficient agriculture in faraway lands...
I dont know what the current import duty on radio gear is, but that there
is any import duty is all wrong. Import duty is simply a particularly
pernicious and unjust form of arbitrary protectionism.
REMEMBER: ALL TAXATION IS THEFT!
Suppose we shouldnt complain; if we do, we might just get all the Government
we pay for!

73 de Pete G6WBJ

```
From -8641107586458179751
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 111efc,12f075070542582b,start
X-Google-Attributes: gid111efc,public
X-Google-Thread: 10c9e3,c74b320ba7d22855
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 06:45:29 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!zaphod.mps.ohio-state.edu!
samsung!cs.utexas.edu!rice!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: QST "Cover Stories" (or lack of)
Message-ID: <273@ultrix.uhasun.hartford.edu>
Date: 1 Aug 90 13:45:29 GMT
References: <29490016@hprmokg.HP.COM>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 26
Posted: Wed Aug  1 14:45:29 1990

In article <29490016@hprmokg.HP.COM>, barry@hprmokg.HP.COM (Barry Fowler) writes:
> Has anyone noticed that QST magazine covers often have very interesting
> covers but *NO* supporting cover story?
>
> I noticed this especially then they had last year's decades of ham
> radio covers with some very interesting equipment on the covers but
> absolutely no story describing what was on the cover.
>
> What's going on here, eh?

If one of the articles has a good color photo with it--or
if one can be shot--it will probably end up on the cover (see July
QST, for example).  If no good color is available, they'll run
something else.  This happens very seldom, though, except for:
1) the annual national convention cover, and 2) special-purpose
stuff like the 75th anniversary covers you mentioned.

Looking at the 8 issues of QST so far this year, only the August
issue has a cover that doesn't go with an article in that month's
issue (except for the convention cover).  (September's cover is
about the lead technical article.)

--
Jon Bloom, KE3Z                               | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu          |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."


From -6744181280367820244
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c1687312e470a66
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1990-08-01 07:24:08 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!samsung!cs.utexas.edu!asuvax!mcdphx!citek.mcdphx.mot.com!hbg6
From: hbg6@citek.mcdphx.mot.com
Newsgroups: rec.ham-radio
Subject: Re:What to do with N0MFW?
Message-ID: <13316@mcdphx.phx.mcd.mot.com>
Date: 1 Aug 90 14:24:08 GMT
Sender: listen@mcdphx.phx.mcd.mot.com
Reply-To: hbg6@citek.mcdphx.mot.com
Organization: Motorola Microcomputer Division, Tempe, Az.
Lines: 17
Posted: Wed Aug 1 15:24:08 1990
References:<7880194@hpfcdc.HP.COM> <1250206@hpnmdla.HP.COM> <32302@cup.portal.com>

In article <32302@cup.portal.com> Jeepster@cup.portal.com (John L Ferguson) writes:
>You all are doing so good with those others, how about some for KB0HBX?
>
That is tough.

How about

Ham By Xerox
High Band Xylophone
Heated By X-ray

John

....
All opinions expressed are mine and not Motorolas, their loss.
....

From -4243968159220280278
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7af86dfe73bbb913
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 07:36:00 PST
Path: gmdzi!unido!mcsun!uunet!convex!texsun!newstop!sun-barr!apple!usc!samsung!uakari.primate.wisc.edu!ames!ncar!noao!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: More ICOM IC-R1 Review
Message-ID: <2813@anasaz.UUCP>
Date: 1 Aug 90 14:36:00 GMT
References: <1990Jul26.001037.21586@portia.Stanford.EDU> <668@dg.dg.com> <12111@sdcc6.ucsd.edu>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 29
Posted: Wed Aug 1 15:36:00 1990

In article <12111@sdcc6.ucsd.edu> lbv@bend.ucsd.edu (Gordon Schlesinger) writes:
]In article <668@dg.dg.com> uunet!dg!lewine (Don Lewine) writes:
]>I have enjoyed the R1 a great deal. It fits inside my shirt pocket. I have
]>used it to follow air traffic control when I fly in planes and I take it with
]>me when I travel.
]>
]
]   Tsk, tsk, Don. As a ham you should know that using radio
]receivers within a commercial air transport (without permission
]of the pilot in command) is verboden by the FAA. Potentially
]dangerous to nav/com avionics on board.

Urban Legend Alert! The pilot of a commercial air transport plane
DOES NOT have the authority to let you use the radio on the aircraft.
It can only be used if it is tested with that aircraft for interference.
I don't know the name used for this testing, but it is similar to type
certification and not likely to actually happen. This rule is an FAA
rule related to IFR flight.

The way I listen to ATC in an aircraft is to use a passive receiver -
just a tuned crystal (well, alright, diode) detector and an
audio amp. It looks like a walkman, and cannot cause interference
because it has no RF oscillator. I don't know if it is legal or
not, but my guess is that it is.
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -7454107233978597228
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7af86dfe73bbb913
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 09:02:55 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!apple!netcom!jfh
From: jfh@netcom.UUCP (Jack Hamilton)
Newsgroups: rec.ham-radio
Subject: Re: More ICOM IC-R1 Review
Message-ID: <11252@netcom.UUCP>
Date: 1 Aug 90 16:02:55 GMT
References: <1990Jul26.001037.21586@portia.Stanford.EDU> <668@dg.dg.com>
<12111@sdcc6.ucsd.edu>
Organization: NetCom- The Bay Area's Public Access Unix System {408 241-9760
guest}
Lines: 12
Posted: Wed Aug 1 17:02:55 1990

In article <12111@sdcc6.ucsd.edu> lbv@bend.ucsd.edu (Gordon Schlesinger) writes:
>   Tsk, tsk, Don. As a ham you should know that using radio
>receivers within a commercial air transport (without permission

>of the pilot in command) is verboden by the FAA. Potentially
>dangerous to nav/com avionics on board.

I used to see that rule printed in airline schedules. I haven't seen it recently. Are you sure that it's still true?

--

Jack Hamilton
jfh@netcom.uucp

From -7400326807798324452
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17eead9df86d6d35,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,17eead9df86d6d35,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-08-01 09:12:07 PST
Path: gmdzi!unido!mcsun!uunet!convex!texsun!newstop!sun-barr!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!aplcen!haven!mimsy!fe2o3!michael
From: michael@fe2o3.UUCP (Michael Katzmann)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Spice models for NEC u-wave FETS
Keywords: spice,fets,transistors,cad
Message-ID: <375@fe2o3.UUCP>
Date: 1 Aug 90 16:12:07 GMT
Followup-To: sci.electronics
Organization: Rusty's BSD machine at home
Lines: 26
Xref: gmdzi sci.electronics:7778 rec.ham-radio:13525
Posted: Wed Aug 1 17:12:07 1990

Does anyone have spice models for the following NEC (california eastern labs) FETS and bipolars ?

NE 645
NE 644
NE 8001
NE 8002
NE 8004

I am using spice 3c1 (which has mesfet devices).

If anyone has any idea please let me know.

----
email to
UUCP: uunet!mimsy!{arinc,fe2o3}!vk2bea!michael

```
                              _ _ _                    _
     Amateur  |    VK2BEA   (Australia)      ' ) ) )      /           //
     Radio    |    G4NYV    (United Kingdom)  / / / o _. /_  __.  _  //
     Stations|    NV3Z  (United States)     / ' (_<_(__/ /_(_/|_</_</_
```

Michael Katzmann
Broadcast Sports Technology.
2135 Espey Ct. #4
Crofton Md. 21114 USA

Ph: +1 301 721 5151

From -374229943905750395
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7af86dfe73bbb913
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 09:35:55 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!usc!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!kline
From: kline@ux1.cso.uiuc.edu (Charley Kline)
Newsgroups: rec.ham-radio
Subject: Re: More ICOM IC-R1 Review
Message-ID: <1990Aug1.163555.21458@ux1.cso.uiuc.edu>
Date: 1 Aug 90 16:35:55 GMT
References: <1990Jul26.001037.21586@portia.Stanford.EDU> <668@dg.dg.com> <12111@sdcc6.ucsd.edu>
Organization: University of Illinois at Urbana
Lines: 34
Posted: Wed Aug 1 17:35:55 1990

lbv@bend.ucsd.edu (Gordon Schlesinger) writes:

```
>    Tsk, tsk, Don.  As a ham you should know that using radio
>receivers within a commercial air transport (without permission
>of the pilot in command) is verboden by the FAA.  Potentially
        ^^^^^^^^^^^^^^^^
>dangerous to nav/com avionics on board.
```

Close. Without permission from the OPERATOR OF THE AIRCRAFT, i.e., the airline. The pilot has no say in the matter under part 121 of the FAA rules, which governs air carrier flight.

And judging from what the IF stage of your typical walkperson does to the heterodyne of my aviation handheld, I can certainly understand the prohibition.

I have had people on board a small aircraft operate 2m handhelds while in flight, however. We checked to make sure nothing funny would happen to the comm radios on the ground before starting up, and the ham HT didn't seem to bother them at all. It was kind of fun talking simplex over a distance of 50 miles from a handheld.

I did, however, once get a stern warning from a flight attendant not to use my "cellular phone" on a commercial flight. Humf. At least she was closer to describing it than most other people I've encountered, who tend to call it a "pager." I mean, really. A 24AT is pretty small, but if a pager company tried to give me a pager that size, I'd complain quite loudly.

```
--------------------------------------------------------------------------------
Charley Kline, KB9FFK, PP-ASEL                                  c-kline@uiuc.edu
University of Illinois Computing Services                         (217) 333-3339
```

"Oh, dude, we are going to flunk out most egregiously."

```
From 2432321219696396097
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 10:02:30 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!usc!elroy.jpl.nasa.gov!
jato!mars!hammock
From: hammock@mars.jpl.nasa.gov (Randy Hammock)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <4445@jato.Jpl.Nasa.Gov>
Date: 1 Aug 90 17:02:30 GMT
References: <13686@shlump.nac.dec.com> <15961@ucsd.Edu>
Sender: news@jato.Jpl.Nasa.Gov
Reply-To: hammock@mars.UUCP (Randy Hammock)
Organization: Jet Propulsion Laboratory, Pasadena, CA.
Lines: 31
Posted: Wed Aug  1 18:02:30 1990
```

Incentive licensing was a still born idea. Where is the incentive
to upgrade when the only priviliges are a bit more bandwidth in some
bands where a good number operators have no interest. For me, HF is
nothing more than a curiosity but I have no real interest in HF
operation. I have a Technician class license which gives me all of
the privileges I need to do the things I'm interested in. There is
no bone to go for in upgrading.

We do indead have too many classes of license for which constant
upgrading is a drain on the resources of the FCC. As was pointed out
in the NTRN broadcast, the FCC can't process more that a certain number
of applications a year. Even if they could modify the program which
tracks the licenses to accomodate a new class, we still could not get
any more people per year into ham radio because of the number limit the
FCC has. Do away with the multi-level incentive licensing program and
install a simpler dual-level system where a code proficient operator
has full privileges on all bands and a no-code operator has full
operating privileges from 30Mhz up. This would relieve the load of the
FCC by DRASTICALLY reducing the amount of paperwork each year just to
handle upgrades leaving that much more time to process NEW applications.
The no-code license would then probably draw more new people to ham
radio, swelling our ranks and quiet possibly saving the spectrum we have
in the V/UHF bands. The FCC would be able to handle this rise in new
application now since they would be handling fewer upgrades.

73, Randy

```
AMIGA /// | hammock@mars.jpl.nasa.gov  Telos - Jet Propulsion Laboratory - NASA
     ///  |          KC6HUR            >>> SPACE, reseved for future use. <<<
 \\\///   |-------------------------------------------------------------------
  \XX/ C= |     "When I want your opinions, I'll give them to you!" - Mock
```

From 3514375424434107074
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c74b320ba7d22855
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 10:08:29 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!dali.cs.montana.edu!milton!uw-beaver!sumax!amc-gw!
pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: QST "Cover Stories" (or lack of)
Summary: covers, articles
Message-ID: <961@ssc.UUCP>
Date: 1 Aug 90 17:08:29 GMT
References: <29490016@hprmokg.HP.COM>
Organization: very little
Lines: 28
Posted: Wed Aug 1 18:08:29 1990

In article <29490016@hprmokg.HP.COM>, barry@hprmokg.HP.COM (Barry Fowler) writes:
> Has anyone noticed that QST magazine covers often have very interesting
> covers but *NO* supporting cover story?

I have noticed the same thing, but only over the last couple of years.
Nice covers, but frustrating once you are hooked and try to find the
material inside.
>
> I noticed this especially then they had last year's decades of ham
> radio covers with some very interesting equipment on the covers but
> absolutely no story describing what was on the cover.

That is when I first noticed it too. Despite the complaints on here
(IMHO unfounded) that the ARRL is only interested in ancient technology,
I was looking forward to reading some "old-timey" material behind
the "classic covers." It was a bit disappointing.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW

```
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP


From -2077363877408593896
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2a926091a204d70
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 10:53:39 PST
Path: gmdzi!unido!mcsun!uunet!fernwood!decwrl!shelby!unix!hplabs!hpcc01!hpbbn!
hpbbrd!hpfcmdd!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: Solving the DXCC mess
Message-ID: <18230024@hpfcdj.HP.COM>
Date: 1 Aug 90 17:53:39 GMT
References: <12280011@hpspdra.HP.COM>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 26
Posted: Wed Aug  1 18:53:39 1990

>But surely these third world hams have the solution in their own hands, . .
>all they need do is to make it clear that they will QSL contacts made at
>the time, on the air, but will not send any cards out.  The card
>collectors will soon lose interest in such stations and leave them free
>to those genuinely interested in DX (rather than awards) and/or ragchewing.

But how are the DXer's supposed to keep track of which DX stations QSL, and
which want to ragchew? (And, for that matter, how many DXers would BOTHER to
keep track?)  There's still going to be a pileup every time the DX station
gets on the air, as long as we do nitwit things like hand out pieces of
paper if you contact enough "countries."  I agree with Wayne on this one -
can anyone really justify the existence of the DXCC as it is presently
structured?  And before you answer, have you listened in on 20 on a regular
basis, and thought what it would be like to be on the other end of some of
these pileups EACH AND EVERY TIME you got on the air?

(Some food for thought - what if DXCC-type "country chases" were restricted to
certain periods, something like an ongoing contest?  Maybe every fourth
Saturday, contact made during the 24-hour period from XXXXZ to YYYYZ would be
acceptable for DXCC.  That way, the paper-chasers could keep things going,
and the rest of us could have some enjoyable QSOs.)


Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
myers%hpfcla@hplabs.hp.com               |  sentient life-form on this planet.


From 3866918609110288４
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15f001619fe06696,start
X-Google-Attributes: gid10c9e3,public
```

```
X-Google-ArrivalTime: 1990-08-01 11:09:39 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!zaphod.mps.ohio-state.edu!swrinde!
ucsd!ames!skipper!disbrow
From: disbrow@skipper.dfrf.nasa.gov (Jim Disbrow)
Newsgroups: rec.ham-radio
Subject: call signs
Keywords: call signs
Message-ID: <591@skipper.dfrf.nasa.gov>
Date: 1 Aug 90 18:09:39 GMT
Organization: NASA Ames-Dryden FRF, Edwards, CA
Lines: 16
Posted: Wed Aug  1 19:09:39 1990

I'm taking my tech test Saturday and was
wondering what the prefix of my call sign will be.
From what I can gleen off the net, they're almost
out of N6's; so what's next? NA6...? or what.
The only reason to change would be to get a shorter call.
(And I can't think of anything to do with KC6LZF)
Any ideas?

Thanx,
Jim KC6LZF

disbrow@skipper.dfrf.nasa.gov

-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
  Brain. Brain. What is brain?
      -- Kara the Eymorg, "Spock's Brain," stardate 5432.3.


From 3255133925770692580
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 11:12:59 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!wuarchive!udel!rochester!rit!cci632!cep
From: cep@cci632.UUCP ( co-op)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <38971@cci632.UUCP>
Date: 1 Aug 90 18:12:59 GMT
References: <14117@shlump.nac.dec.com> <30500640@ux1.cso.uiuc.edu>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 23
Posted: Wed Aug  1 19:12:59 1990

> 1)        Class B - No code, easy test.  Most VHF privs, power-limited.
> 1.5)      Class B + 5 WPM - Class B plus current Novice HF privs.
> 2)        General - 5 WPM plus General written test.  250W, all bands
>                 except current Extra sub-bands.
> 3)        Advanced - 13 WPM plus Advanced written test.  All privs.
```

I could be happy with this if you made 2 changes:

4) Extra - 20 WPM plus Extra written test - satellites, keep the EXTRA portions of HF bands, plus for the V.E. program.

and one other: the "full VHF privileges" concept should not include the CW-only portions of VHF bands (Yeah, yeah, 100 KHz on 144, I know, it's measly, but I think that even STRONGER steps should be taken in this direction. If the idea here is to get MORE (better?) hams, then the VHF/UHF bands will crowd up, and I think that more should be done to protect weak signal operation in these bands).

Chris/WZ2B

--
Christopher E. Piggott, WZ2B (ex-N2JGW)
Computer Consoles, Inc. (an STC company) Rochester, NY
cs.rochester.edu!cci632!ccird7!cep or uunet!ccicpg!cci632!ccird7!cep

From -929801227210407556
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 11:15:34 PST
Path: gmdzi!unido!mcsun!uunet!husc6!yale!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <2814@anasaz.UUCP>
Date: 1 Aug 90 18:15:34 GMT
References: <31.Jul.90.10:57:43.BST.#2288@UK.AC.NWL.IA> <LPX&-WM@splut.conmicro.com>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 23
Posted: Wed Aug 1 19:15:34 1990

In article <LPX&-WM@splut.conmicro.com> jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard) writes:
]Yes, I agree that some closed repeaters are that way only because the
]owner doesn't want anyone but his buddies on it. Those, though, are in
]the minority - and, just like a computer on the Usenet, it's HIS
]repeater, and he may operate it in any manner he wishes, as long as it's
]in accordance with the rules. He has just as much right to operate it as
]a club that's altruistic enough to let anyone and everyone operate on
]it.
There is a significant difference between the computer on Usenet and a repeater. The computer does not tie up any significant natural resource. The repeater does: its frequency pair. Here in Arizona its frequently hard to coordinate frequency for an open repeater, simply because closed systems already control the frequencies for an area. I think this is completely wrong, and an abuse of the public trust. I am opposed

to the coordination of ANY closed repeater. Sure... put up a repeater
and close it. But don't expect it to have any claim on either the
input or output frequency! If I want to carry on a simplex conversation
on the input frequency, using the repeater's PL, that is my right!
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From 7297788885176184196
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 11:19:37 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!zaphod.mps.ohio-state.edu!wuarchive!udel!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <38972@cci632.UUCP>
Date: 1 Aug 90 18:19:37 GMT
References: <13686@shlump.nac.dec.com> <3300001@wdl1.wdl.fac.com>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 18
Posted: Wed Aug 1 19:19:37 1990

In article <3300001@wdl1.wdl.fac.com> engle@wdl1.wdl.fac.com (David Engle) writes:
>So, if necessary to keep the current Extra (and maybe advanced) classes
>happy allow another testing element (code or theory, your choice) and
>the only "privilege" you get is a call sign assignment from a select
>group.

I think that we should work this from the other side, and leave the extra
portions and privileges alone: is anybody screaming for the extra portions
of the bands, from a spectrum standpoint?

Keep Extra sub-bands. Keep 20wpm. Let extras be the VE's. (Space operation
would be nice, too, except that with the waivers for shuttles it doesn't seem
to matter much.)

>Regards, Dave KE6ZE (an extra class licensee)

Chris/WZ2B

From -2006621214711506874
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-08-01 11:22:25 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!sdd.hp.com!zaphod.mps.ohio-state.edu!wuarchive!udel!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <38973@cci632.UUCP>
Date: 1 Aug 90 18:22:25 GMT
References: <14117@shlump.nac.dec.com> <30500639@ux1.cso.uiuc.edu>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 10
Posted: Wed Aug 1 19:22:25 1990

In article <30500639@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>Does the entry-level ticket need HF privileges?

I would like the entry-level license to be "limited" as the novice license is now, only with a harder written and without the code, and with many VHF privileges. But, also, I think that it'd be worthwhile to answer your question, "Yes!" and expose new licensees to different things, including HF.

Chris/WZ2B

From -5867244967444799928
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6dd70594c00b6d1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 11:48:06 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!usc!apple!xanadu!jeff
From: jeff@xanadu.com (Jeff Crilly N6ZFX)
Newsgroups: rec.ham-radio
Subject: Re: ICR1 and ICR100 available ex-st
Message-ID: <1990Aug1.184806.8607@xanadu.com>
Date: 1 Aug 90 18:48:06 GMT
References: <672@dg.dg.com> <30500633@ux1.cso.uiuc.edu> <1990Jul31.184147.25445@ux1.cso.uiuc.edu> <1990Jul31.221307.2447@ux1.cso.uiuc.edu>
Organization: AMIX Corporation, Palo Alto, CA
Lines: 38
Posted: Wed Aug 1 19:48:06 1990

In article <1990Jul31.221307.2447@ux1.cso.uiuc.edu> kline@ux1.cso.uiuc.edu (Charley Kline) writes:
>kline@ux1.cso.uiuc.edu (I) write:
>>My IC-24AT allows me to enter frequencies in the cellular band when I
>>enable extended receive, but claims that the synthesizer won't lock up
>>in that range. Since it locks up solidly just above this, in the 902MHz
>>band, I wonder if it's just lying to me and was programmed not to allow
>>reception at these frequencies by faking an unlocked synthesizer.
>

>[Stuff deleted...]
>[It also]
>loses lock at EXACTLY 451.00MHz and regains it at EXACTLY 500.00MHz,
>thus very elegantly excluding the UHF public service (i.e. police)
>frequencies.

I have IC-2sat, which is supposed to not receive below 138 mhz. I performed
the multiple-button-push mod to be able to enter the 10 Mhz digit directly.
Now, when I tune to 135.65, the radio gives me a "U" in the channel display
indicating that it is not locked. However, the radio does receive just fine!
135.65 is SFO bay approach, btw. Also, farther down the aircraft band the
radio does lockup, i.e. it doesn't give me the U.

There is another mod for this radio that enables super wide range receive; like
0-900mhz. Of course, I got "U" all over the place, but maybe I could actually
receive on those freqs? I reset the radio, though, because the sensitivity
on 2 meters seemed to get worse.

Jeff Crilly (N6ZFX)
AMIX Corporation
2345 Yale Street
Palo Alto, CA 94306
jeff@amix.com, {uunet,sun}!markets!jeff

--

Jeff Crilly (N6ZFX)
AMIX Corporation
2345 Yale Street

From 3107899882032325471
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,968db1d7c56bf19c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 11:55:51 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!wuarchive!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!GTE.COM!pascoe%edcd.dnet
From: pascoe%edcd.dnet@GTE.COM (Dave Pascoe)
Newsgroups: rec.ham-radio
Subject: WANTED: Op for CQWW CW DXpedition
Message-ID: <9008011855.AA08614@bunny.gte.com>
Date: 1 Aug 90 18:55:51 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Wed Aug 1 19:55:51 1990

WANTED: Good CW contest op for DXpedition to Cayman Islands (ZF)

Multi-single operation will take place from Little Cayman (ZF8)
(November 23-25, 1990)

Diving opportunities exist if interested

Contact me for further details if interested....

```
---------------------------------------------------------------------------
Dave Pascoe KM3T/1  |     Internet:  pascoe@edcd.gte.com
617-455-5704        |                km3t@jjmhome.m2c.org
                    |         UUCP: ...!{harvard}!gte.com!edcd.dnet!pascoe
                    | Packet Radio:  km3t @ k1ugm.ma
---------------------------------------------------------------------------
```

From -2067290975194712404
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 12:37:05 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!purdue!haven!decuac!shlump.nac.dec.com!carafe.enet.dec.com!goldstein
From: goldstein@carafe.enet.dec.com (Fred R. Goldstein)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <14152@shlump.nac.dec.com>
Date: 1 Aug 90 19:37:05 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 32
Posted: Wed Aug 1 20:37:05 1990

In article <30500640@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes...
>
>Here's where you've slipped up, Fred. I think I know you well enough
>to believe that you surely didn't intend this.
>So what do I need to do to earn high power privileges? I have to learn
>to learn something totally irrelevant to those privileges: Morse Code.
>Not only that, but I have to go up to 13 WPM...

I thought about that. The idea behind the easiest (neo-Novice) license is to pick up about 90% of current VHF operation. It picks up FM chatting (repeater users, not operators -- my "owner" meant "licensee of"). It picks up packet. It picks up most SSB. It intentionally leaves out "weak signal" and especially "moonbounce". Both of those tend to use high power, and both tend to be done on CW! (Weak signal terrestrial is often SSB, but serious weak signal work often falls back to CW.)

For 5 WPM, you get a somewhat higher power limit on VHF/UHF; I didn't mean to limit Generals to Novice levels. (Except maybe on HF, where Novice power is a-plenty!) I suppose some moonbouncers may not be good at CW, but how big a problem will that really be? In the interest of simplicity, of course, I don't want to add a super-VHF license.

Very few hams need more than a hundred watts or so on VHF. BTW, I don't have a problem going to 10 or 25 watts on 1240 and up, from the current novice 5 watts, since reality says we have to match Japanese radios and not the other way around.

```
---
Fred R. Goldstein   goldstein@carafe.enet.dec.com
                 or goldstein@delni.enet.dec.com
                    voice:  +1 508 486 7388
```

From 6446528696949301801
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd5779a0d5ae6ab
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 12:41:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!xylogics!transfer!lectroid!k1te
From: k1te@lectroid.sw.stratus.com (Bradshaw Lupton)
Newsgroups: rec.ham-radio
Subject: Re: Soldering to Aluminum, how to do it.
Keywords: soldering trick
Message-ID: <1857@lectroid.sw.stratus.com>
Date: 1 Aug 90 19:41:00 GMT
References: <104327@philabs.Philips.Com> <192@bongo.UUCP>
<1990Jul27.062358.26338@bellcore-2.bellcore.com>
<1990Jul28.015619.1321@mthvax.cs.miami.edu>
Reply-To: k1te@lectroid.sw.stratus.com (Bradshaw Lupton)
Organization: Stratus Computer, Inc.
Lines: 15
Posted: Wed Aug 1 20:41:00 1990

beam (fixed) all out of aluminum wire. I soldered it with something from the local Bradlee's store using a propane torch. I soldered paper clips to the aluminum wire at the feed point. Standing near the edge of the roof, and within the three wire grid of the driven element, I learned that the soldering and melting temperatures of aluminum are exceedingly close. As the wire melted, and let go (with tension) I still have slight marks on eyelid and forehead. But I am still glad to have frozen, rather than backing up.   (HILL ST. BLUES: 'be careful out there')
                     73 bradshaw

```
--
          | Bradshaw B. Lupton Jr.     |================|
          | Stratus Computer, Inc.     |k1te@stratus.com|
          | Marlboro, Ma 01752         |================|
          | 508 490 6484 / 480 8219(f) |/\/\/\/\/\/\/\/\|
```

From -395393848148522126
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7af86dfe73bbb913
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-08-01 12:54:30 PST
Path: gmdzi!unido!mcsun!uunet!fernwood!apple!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: spectrum congestion
Message-ID: <26359@usc.edu>
Date: 1 Aug 90 19:54:30 GMT
References: <1990Jul26.001037.21586@portia.Stanford.EDU> <668@dg.dg.com>
<12111@sdcc6.ucsd.edu>
Sender: news@usc.edu
Organization: EE-Systems, USC, Los Angeles
Lines: 19
Posted: Wed Aug 1 20:54:30 1990

In article <12111@sdcc6.ucsd.edu> lbv@bend.ucsd.edu (Gordon Schlesinger) writes:
>   I truly wish the rest of the country believed us
>[southern California] when we say that we know what massive
>spectrum congestion is all about.

BS Gordon. At least 420-450 is completely empty out here. Listen to it
sometime. The spectrum is completely "used" by private repeaters that
are almost never transmitting! You can't get a new allocation.

I think that this "private repeater" idea has got to go if we are to
keep our spectrum. Just wait until UPS listens to 420-450 here in
Southern California and decides that they need a chuck of it. All they
have to do is go to the FCC and tell them that while we have many
repeaters in the repeater directory, none of them are ever in use!
The spectrum co-ordinators in Southern California have their collective
heads in the sand (or smog - whichever is appropriate).

--
Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

---

From 8583545069314153700
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7af86dfe73bbb913
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 12:56:00 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: More ICOM IC-R1 Review
Message-ID: <30500641@ux1.cso.uiuc.edu>
Date: 1 Aug 90 19:56:00 GMT
References: <668@dg.dg.com>
Lines: 13
Nf-ID: #R:dg.dg.com:668:ux1.cso.uiuc.edu:30500641:000:640
Nf-From: ux1.cso.uiuc.edu!phil   Aug 1 14:56:00 1990
Posted: Wed Aug 1 20:56:00 1990

```
> I did, however, once get a stern warning from a flight attendant not
> to use my "cellular phone" on a commercial flight. Humf. At least
> she was closer to describing it than most other people I've encountered,
> who tend to call it a "pager." I mean, really. A 24AT is pretty small,
> but if a pager company tried to give me a pager that size, I'd complain
> quite loudly.

But a cellphone of that size would be really great, especially with all
the receive capability of the 24AT.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From -4237957441599595239
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe1482054b817262
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 13:16:48 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!rutgers!cmcl2!sbcs!
ameristar!rick
From: rick@ameristar (Rick Spanbauer)
Newsgroups: rec.ham-radio
Subject: Re: Cellular telephone as emergency service?
Message-ID: <1990Aug1.201648.12372@ameristar>
Date: 1 Aug 90 20:16:48 GMT
References: <1990Jul20.175844.8030@ariel.unm.edu> <1530050@hpsad.HP.COM>
Organization: Ameristar Technology, Inc
Lines: 25
Posted: Wed Aug  1 21:16:48 1990

In article <1530050@hpsad.HP.COM> mikew@hpsad.HP.COM (Mike Weihman) writes:
>3)  As has been pointed out before, these people are not in the game
>    for public service.  They are in for PROFIT.  The law of that game
>    states that service in adverse conditions is fit to be provided
>    only if the revenue to come from it times the chance of it
>    happening is greater than the cost of preparing for it.  Does an
>    earthquake-tolerant cell phone system qualify for this?  Probably
>    not for a big shaker, I would guess.

     Yes, but the point that the cellular system could be made reliable
     in the face of disaster seems to be a difficult point to grasp for
     some in this forum.  Just as there are government mandated building
     codes, electrical wiring codes, etc the cellular industry could have
     a disaster emergency service role imposed on them through government
     regulation.  The simple fact of the matter is that the cellular
     industry IS a for profit enterprise and thus potentially has a lot
     more money than does ham radio to setup formal emergency service
     networks.  And the imposition need not be a hardship either, as it
     could be funded through tax incentives much as the alternate energy
     initiative was handled a few years back.
```

>Mike Weihman n1dje: RACES, CDF-VIP

Rick Spanbauer, WB2CFV
Ameristar

From 5550248107032978983
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 13:35:00 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <30500642@ux1.cso.uiuc.edu>
Date: 1 Aug 90 20:35:00 GMT
References: <LPX&-WM@splut.conmicro.com>
Lines: 64
Nf-ID: #R:<LPX&-WM@splut.conmicro.com>:-28:ux1.cso.uiuc.edu:30500642:000:3634
Nf-From: ux1.cso.uiuc.edu!phil Aug 1 15:35:00 1990
Posted: Wed Aug 1 21:35:00 1990

> (e) Ancillary functions of a repeater that are available to
> users on the input channel are not considered remotely controlled
> functions of the station. Limiting the use of a repeater to only
> certain user stations is permissible.
>
> Yes, I agree that some closed repeaters are that way only because the
> owner doesn't want anyone but his buddies on it. Those, though, are in
> the minority - and, just like a computer on the Usenet, it's HIS
> repeater, and he may operate it in any manner he wishes, as long as it's
> in accordance with the rules. He has just as much right to operate it as
> a club that's altruistic enough to let anyone and everyone operate on
> it.

While the REPEATER may be his, the FREQUENCY (pair) is not and cannot be under our rules. Even the fact that the coordinator has coordinated the repeater does not make the FREQUENCY his.

The actual function of a coordinator, despite what coordinators, owners, and user might WANT to think, is to determine a frequency which has a reasonbly low probability of causing and receiving harmful interference.

Also, the FCC policy only deals with interference situations when it is considers to find in favor of coordinated vs uncoordinated repeaters. If interference does not actually happen, there is no problem.

Apparently most CLOSED repeaters have some mechanism to avoid being used by "non-members" such as CTCSS (PL) or DMTF codes. I'm not going into what methods are good or better, but just mentioning that they exist.

These methods would allow the lesser used and controlled access closed repeaters to SHARE the same frequency pair with nearly no interference problems.

If two repeaters are on the same frequency pair at the same location with different access means, when one is in use the other cannot be used, so no one should try. Remember that it is wrong to transmit on a used frequency, and this is probably extendable to the repeater output frequency when you know that your transmission is being repeated. Further, if these shared repeaters detected the other being busy and not key up, then there would be virtually no interference problems.

The CLOSED repeaters have virtually no usage, because most of them are that way to limit the range of people using them. The CLOSED repeaters are taking up repeater spectrum space. However in the big cities where there are no repeater pairs remaining on 2 meters, the OPEN repeaters are mostly underutilized as well, so in reality, I don't see much of a problem with CLOSED repeaters at this time. There is just not much of a need yet to get any more repeaters on.

But there is one place where the sharing of CLOSED repeaters could be tried. That is on the 222-225 Mhz band now being compressed on us by the land mobile grab. Although the portion remaining is already occupied by repeaters, the repeater subband needs to be shrunk by 40% to make the change fair to all. It is clear than many repeaters will have to change frequency, but I believe it is NOT necessary to take any off. What you do is start SHARING the spectrum. Where you have two CLOSED repeaters very close together, put them on the SAME frequency pair and require them to use some access control mechanism, and suggest they also have a means added eventually to detect the usage of the other. Alternatively, the two repeaters could be merged into one, and perhaps have 2 or more CTCSS tones to isolate the groups if they don't want to talk to each other.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -1071641729496762989
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4352777d33fa98bc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 13:59:33 PST
Path: gmdzi!unido!mcsun!uunet!rayssd!raybed2!ewb
From: ewb@raybed2.msd.ray.com (EUGENE BALINSKI)
Newsgroups: rec.ham-radio
Subject: Changes in 73 Mag
Keywords: Act Now
Message-ID: <1698@raybed2.msd.ray.com>
Date: 1 Aug 90 20:59:33 GMT
Organization: Raytheon Co., Tewksbury, Mass.
Lines: 9
Posted: Wed Aug 1 21:59:33 1990

It looks like 73 Magazine is easily reachable via the net. If you do like the changes write to Bill Brown WB8ELK NOW. Even just a short note of encouragement will convince Wayne Green that maybe this change is good.

Also send along any suggestions that you may have.

73
Gene WA1UXA

```
From 7218113360817018253
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11f73b5dc073ff94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 14:26:44 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Costs...
Message-ID: <1990Aug1.212644.1146@bellcore-2.bellcore.com>
Date: 1 Aug 90 21:26:44 GMT
References: <9007311622.AA04987@mbunix.mitre.org>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 12
Posted: Wed Aug  1 22:26:44 1990
```

In article <9007311622.AA04987@mbunix.mitre.org>, ptb@MBUNIX.MITRE.ORG writes:
|> Ma Bell (or Pacific Bell, New England Telephone, etc.) only designs a
|> fraction of the users to be able to get dial-tone service at once.
|> The telephone land-lines could be 100% good, and still if everyone
|> were to pick up the phone at once, people cant talk.

Of course. But how is this worse than amateur radio when everyone picks up their microphones at the same time? Or worse, when ONE person refuses to give up a repeater to emergency use?

Phil

```
From -6244261893195639229
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 14:33:44 PST
Path: gmdzi!unido!mcsun!uunet!midway!ux1.cso.uiuc.edu!brutus.cs.uiuc.edu!
zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
```

Message-ID: <1990Aug1.213344.1217@bellcore-2.bellcore.com>
Date: 1 Aug 90 21:33:44 GMT
References: <31.Jul.90.10:57:43.BST.#2288@UK.AC.NWL.IA> <LPX&-WM@splut.conmicro.com>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 16
Posted: Wed Aug 1 22:33:44 1990

In article <LPX&-WM@splut.conmicro.com>, jay@splut.conmicro.com (Jay
"you ignorant splut!" Maynard) writes:
> [Closed repeaters] are in
|> the minority - and, just like a computer on the Usenet, it's HIS
|> repeater, and he may operate it in any manner he wishes, as long as it's
|> in accordance with the rules. He has just as much right to operate it as
|> a club that's altruistic enough to let anyone and everyone operate on
|> it.

Yes and no. Yes, a closed repeater is the property of its owner and he doesn't have to let anyone use it. On the other hand, the channel on which it operates is NOT his property, and he has no right to deny it to others who would operate an open repeater on it.

Phil

From -7843888196477409097
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe1482054b817262
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 15:17:54 PST
Path: gmdzi!unido!mcsun!uunet!husc6!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Cellular telephone as emergency service?
Message-ID: <1990Aug1.221754.1439@bellcore-2.bellcore.com>
Date: 1 Aug 90 22:17:54 GMT
References: <1990Jul20.175844.8030@ariel.unm.edu> <1530050@hpsad.HP.COM> <1990Aug1.201648.12372@ameristar>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 32
Posted: Wed Aug 1 23:17:54 1990

In article <1530050@hpsad.HP.COM> mikew@hpsad.HP.COM (Mike Weihman) writes:
>3) As has been pointed out before, these people are not in the game
>   for public service. They are in for PROFIT.

Okay, then why is it standard practice in the telephone business to supply battery power for telephone switching machines and transmission equipment when it's needed only a tiny fraction of the time? As anybody who has priced a big UPS will know, backup power can be very expensive, and many computer sites opt to go without it. But the Bell companies not only consider standby power to be essential, but they go well beyond the usual 5-30 minute capacity of the standard computer center UPS.

A typical CO battery plant is sized for 3 to 8 hours of reserve time, and this is usually backed up with a diesel or gas turbine generator with days to weeks of fuel on hand. If the site is remote, the battery may be sized for 24 hours of operation, there may be a second generator, or solar power may be used. Smaller offices may do without a dedicated generator and rely on their 24-hour battery plants until a portable generator can be brought in when necessary. (Reference: "Engineering and Operations in the Bell System".)

The reliability and availability of the public telephone system has always been a high priority with the Bell companies. Believe me, they are VERY concerned with maintaining service during an emergency, and this commitment has continued unabated since divestiture.

I would argue that most amateur radio facilities are nowhere near as well maintained and backed up as the average telco facility.

Phil

From 2520732502273267137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2a926091a204d70
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 15:53:34 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!brutus.cs.uiuc.edu!zaphod.mps.ohio-state.edu!usc!snorkelwacker!apple!vsi1!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: Solving the DXCC mess
Message-ID: <2829@wyse.wyse.com>
Date: 1 Aug 90 22:53:34 GMT
References: <12280011@hpspdra.HP.COM> <1108@ke4zv.UUCP>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 20
Posted: Wed Aug 1 23:53:34 1990

In article <1108@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
>Unfortunately the word doesn't seem to get out to the DXers that a
>station does not play the DX game. Thus every time he gets on the
>air he becomes the victim of a pileup. This leaves a very bad impression
>with many operators and they QRT permanently. Since most of the rabid

>DXers seem to be US based, this gives the US a black eye.

A DX station can pretty much determine the type of action they see on the bands by how long the DX station chooses to stay in QSO with a given station. If he wants to rag chew it just isn't that hard to control.

Another point that needs to be made is that the US isn't even close to having a monopoly on bad operators. Having been on the receiving end of more than a few big pileups in the last 10 years I've heard rotten operating from stations all around the world. I'm not going to bother and single any particular country out but we(US hams) have loads of competition for the title of "lids of the year."

Steve KA6S (/3b8 /3b9 /kp2 /fm0 /kh8)

From 3447103159863979533
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6dd70594c00b6d1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 15:58:31 PST
Path: gmdzi!unido!mcsun!uunet!samsung!crackers!cpoint!die
From: die@cpoint.clearpoint.com (David I. Emery)
Newsgroups: rec.ham-radio
Subject: Re: ICR1 and ICR100 available ex-st
Message-ID: <6534@cpoint.clearpoint.com>
Date: 1 Aug 90 22:58:31 GMT
References: <40506@mips.mips.COM> <30500635@ux1.cso.uiuc.edu>
Organization: Clearpoint Research Corp., Hopkinton MA
Lines: 12
Posted: Wed Aug 1 23:58:31 1990

In article <30500635@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>
>COME ON... the R7000 went on the market before all the fuss started
>about being able to receive cellular on wideband scanners. I would
>bet Icom has not had a production run of R7000's in a few years, and
>probably never will again.

I've heard that R-7000's outsell most of their ham gear by a wide margin, that would imply that they either built an awful lot of them or continue to make them.   I know more people personally who own R-7000's than most other ICOM radios except maybe HT's - while they are an old design they still do things that few other scanners will...

From 6446566187063435052
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2b63db80b6711cc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 16:17:28 PST
Path: gmdzi!unido!mcsun!uunet!husc6!wuarchive!cs.utexas.edu!ut-emx!oo7

From: oo7@ut-emx.UUCP (Aloysius Burpington-Smythe)
Newsgroups: rec.ham-radio
Subject: male chauvinist pigs
Keywords: sheesh
Message-ID: <34942@ut-emx.UUCP>
Date: 1 Aug 90 23:17:28 GMT
Organization: The University of Texas at Austin, Austin, Texas
Lines: 26
Posted: Thu Aug 2 00:17:28 1990

I was half thinking of attending our local hamfest, and picked up some of the literature advertising it. On page 2, where the events are listed, there's a paragraph headed "A Word to the Ladies..." - this sounds like a bad start, and it is. "Learn new make-up tricks and how to keep your skin and nails beautiful.... no need to stay home!... "a craft for you to "make and take"".

This is downright degrading. I know that ham radio is predominantly a male hobby, but this sort of garbage just perpetuates the system. At least in my own field, astronomy, when astronomers have conferences they have the sense to realize that accompanying spouses can be of either gender, and arrange e.g. local tours, which are equally suitable for men or women.

This meeting is organized by the ARRL West Gulf Division. I've never really cared who the director is, but I do now. I'm certainly not going to their silly meeting and I'm not going to vote for a male chauvinist pig the next time around (not that I did before).

Which century are we in, anyway?

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu
wills@utxvm (Bitnet)

From 5586760595572715821
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2b63db80b6711cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 17:28:29 PST
Path: gmdzi!unido!mcsun!uunet!convex!texsun!newstop!sun-barr!apple!usc!
cs.utexas.edu!rutgers!mcnc!unccvax!cs00jmc
From: cs00jmc@unccvax.uncc.edu (John Covington WN4BBJ)
Newsgroups: rec.ham-radio
Subject: Re: male chauvinist pigs
Keywords: sheesh
Message-ID: <2567@unccvax.uncc.edu>
Date: 2 Aug 90 00:28:29 GMT
References: <34942@ut-emx.UUCP>
Reply-To: cs00jmc@unccvax.UUCP (John Covington WN4BBJ)

Organization: University of North Carolina at Charlotte
Lines: 31
Posted: Thu Aug 2 01:28:29 1990

In article <34942@ut-emx.UUCP> oo7@ut-emx.UUCP (Aloysius Burpington-Smythe)
writes:
>I was half thinking of attending our local hamfest, and picked up some of
>the literature advertising it. On page 2, where the events are listed,
>there's a paragraph headed "A Word to the Ladies..." - this sounds like
>a bad start, and it is. "Learn new make-up tricks and how to keep your
>skin and nails beautiful.... no need to stay home!... "a craft for you
>to "make and take"".
>
This is a widespread characteristic of hamfests. At our hamfest
this year the PA announcer (who is a woman and I think is also licensed)
made the following announcement:
  "ALL ladies...ALL ladies...there will be bingo held in forum room 2...."

She really stressed the word ALL. I couldn't believe it.
I know a fair number of women who attended the hamfests to look at
radios, not play bingo.
The Co-chair of the Hamfest Committee here is also a woman, and I am sure
she didn't arrange all of this to play bingo either.

Maybe instead of having "Ladies events" we should have "Non-Amateur"
events, or something. While we are on the subject, any suggestions for
good non-Amateur events for hamfests?? The only things I have seen
are make-up and crafts (as mentioned above), bingo, cooking demonstrations
and bus trips to a local shopping mall.

```
--
John Covington WN4BBJ     Internet: cs00jmc@unccvax.uncc.edu
P.O. Box 217122           MCI Mail: JCOVINGTON 342-6957
Charlotte, NC 28221-7122  Packet Radio Mail: WN4BBJ @ W4BFB.NC.USA.NA
(704) 537-7653            "Kenneth, what's the frequency?" "I dunno, ask Dan"
```

From 2467886112506408871
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b74068657681de77,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 17:42:14 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!maverick.ksu.ksu.edu!
zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!texbell!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: 220 rigs unavailable??? (was Re: WANTED: 220 HT)
Message-ID: <Z9X&XZ:@splut.conmicro.com>
Date: 2 Aug 90 00:42:14 GMT
References: <14114@shlump.nac.dec.com> <1011100017@ux1.cso.uiuc.edu>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX

Lines: 17
Posted: Thu Aug 2 01:42:14 1990

In article <1011100017@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes,
in rec.ham-radio.swap:
>There is a scam going on to deprive hams from using 220 Mhz by making
>both used and new rigs for this band unavailable. Let us know what
>success you have in finding one. I managed to find one once, but just
>at the edge of having given up.

Huh?
Who would be doing this, and how would they make both new and used rigs
unavailable? Finally, is there any substantiation of that, or just the
fact that you had trouble?

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
"It's a hardware bug!" "It's a      +--------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_
```

From 3079867133424798844
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,ee0a0b2929eeedaa,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f9532,ee0a0b2929eeedaa,start
X-Google-Attributes: gidf9532,public
X-Google-Thread: 10c9e3,ee0a0b2929eeedaa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 19:27:11 PST
Path: gmdzi!unido!mcsun!uunet!cbmvax!heimat!dan
From: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Newsgroups: rec.radio.shortwave,rec.ham-radio,misc.wanted
Subject: St Martin Islands
Message-ID: <170@heimat.UUCP>
Date: 2 Aug 90 02:27:11 GMT
Reply-To: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Organization: Sneakers Computing, West Lawn, PA
Lines: 26
Xref: gmdzi rec.radio.shortwave:1738 rec.ham-radio:13528 misc.wanted:5059
Posted: Thu Aug 2 03:27:11 1990

[-=-]

I will be going to St Martins (the Dutch side) in a few weeks on business and was wondering if anyone has answers to the following.

1) Is the ICOM R1 radio available here? If so, what is the price and its frequency range? (French or Dutch side of the island)

2) Is the electrical service 110 volts like here in the states? (If not ill just pack lots of batteries for the radios ;-)

3) Will I still be able to listen to my favorite north american short wave broadcasts? (Deutsche Welle, Radio Berlin Intl, BBC) Or must I switch to the central (south ?) amercian frequencies?

Any and all answers (serious ones that is) are welcomed.... E-Mail please unless all else fails.

```
--
                               _____
     Dan 'Sneakers' Schein    /     \   Quote:
     Sneakers Computing     \/\/     |        Those who worked the hardest
     2455 McKinley Ave.      |  (o)(o)        are the last to surrender.
     West Lawn, PA 19609     C   .---_)            -= Gary Ward =-
                              | |.___|
                              |  \__/
     uunet!cbmvax!heimat!dan  /_____\  (or)  dan%heimat@commodore.com
```

```
From 8444522103272254931
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,69e9f0244407f3d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 19:46:30 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!maverick.ksu.ksu.edu!
zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Barry, where are you?
Message-ID: <9008020246.AA29709@tilde>
Date: 2 Aug 90 02:46:30 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 3
Posted: Thu Aug  2 03:46:30 1990
```

Sorry to post this to the net, but mail to Barry bounces. Barry Fowler, please send me your address. I'd like to reimburse you for the information.
73,   Dube   N5PDK

```
From 4265610815944066065
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6eaa5795761dedf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 20:20:55 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!sdd.hp.com!hplabs!hpfcso!
hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Engineering help solicited: low-pass audio filter for the HTX-100 10
m SSB XCVR
Message-ID: <7880235@hpfcdc.HP.COM>
Date: 2 Aug 90 03:20:55 GMT
```

References: <900730-094140-10059@Xerox>
Organization: HP Fort Collins, Co.
Lines: 20
Posted: Thu Aug 2 04:20:55 1990

There is an entirely adequate circuit in the 1989 ARRL Handbook. It describes a 3-in-1 one audio filter - 300-3000Hz, 300-2700Hz, and 650-750Hz. I built one myself, and have had good results with it. An audio filter doesn't help on front-end overload though, and I get creamed by adjacent signals that are MUCH stronger than what I am tuned into.

The circuit runs off +/- 12 volts, but it could probably be modified to run off a single supply.

The 89 and 90 handbooks also have a section on bandpass audio filters based on op-amps, so you could easily roll-your-own.

I also took the time to consult some of the Engineering books on the subject of active audio filters, and didn't find anything that was simpler or more effective than the 2-resistor 2-capacitor bandpass filters discussed in the Handbook.

Perry Scott
KF0CA

From 2368731032512953836
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b03c0646057b0c5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 20:55:48 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!apple!usc!sdd.hp.com!ucsd!ucbvax!Inference.Com!jaf
From: jaf@Inference.Com (Jose Fernandez)
Newsgroups: rec.ham-radio
Subject: Cellular lossage
Message-ID: <9008020355.AA04397@Quaestor.>
Date: 2 Aug 90 03:55:48 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Thu Aug 2 04:55:48 1990

With all due respect to those arguing the cellular issue, I'd like to bring up a shortcoming of cellular service. The "Carbon Canyon" fire of Southern California fame consumed some 4000 acres and 14 homes. Carbon Canyon (and other adjacent canyons) are convoluted enough to impose predictable radio problems.

In a community meeting dissecting the lack of response and organization of emergency services, one of the excuses presented was loss of radio and cellular contact by emergency vehicles. The people responsible for managing emergencies were clearly clueless with respect to the technical issues of communication. The notion of repeaters and dead spots had to be experienced (at the cost of property) instead of foreseen.

So I'm sensitized to the fact that our government emergency communications are handled by people who see cellular/radio technology to be the same as a telephone, which it's not. Were an experienced ham involved with the communication planning, I'm sure he/she would have been losing sleep over how to place repeaters for maximal coverage of our canyons and communities. I doubt that the local cellular service providers are interested in adding the two repeaters needed to meet the emergency communication services for our area.

Jose A. Fernandez
Inference Corporation

From 4903875885415948677
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7af86dfe73bbb913
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 21:13:27 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!usc!ucsd!nosc!crash!skipsand
From: skipsand@crash.cts.com (Skip Sanders)
Newsgroups: rec.ham-radio
Subject: Re: More ICOM IC-R1 Review
Message-ID: <3791@crash.cts.com>
Date: 2 Aug 90 04:13:27 GMT
References: <668@dg.dg.com> <12111@sdcc6.ucsd.edu> <11252@netcom.UUCP>
Organization: Crash TimeSharing, El Cajon, CA
Lines: 5
Posted: Thu Aug 2 05:13:27 1990

The rule as quoted is incorrect only in that the PILOT is NOT legally allowed to permit electronic equipment to be used UNLESS the AIRLINE itself allows him/her/it to do so in ITS rules... the FAA rule give permission to allow such equipment ONLY to the "Air Carrier", not the pilot.
There is an exemption for Computers and a few other things...

From 5518885230636672377
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7af86dfe73bbb913
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 23:17:54 PST
Path: gmdzi!unido!mcsun!uunet!salt.acc.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: More ICOM IC-R1 Review
Message-ID: <16629@ucsd.Edu>
Date: 2 Aug 90 06:17:54 GMT
References: <668@dg.dg.com> <12111@sdcc6.ucsd.edu> <2813@anasaz.UUCP>

Organization: The Avant-Garde of the Now, Ltd.
Lines: 16
Posted: Thu Aug 2 07:17:54 1990

We are now going to have every pilot and pilot-wannabe posting about the FARs, the FAA, and how carrying radios/computers/shavers/cattleprods onto airplanes does not/cannot/willnot/mightnot be authorized by the pilot/groundcrew/airline/stews/bagsmashers in flight/while on the ground/during a crash.

Please refrain. I'll edit them out of the digest to save the poor info-hams subscribers (if I can) but do we really need this same rec.aviation crud in the ham radio group again? It's been less than three months since the last time.

Sit on your hands. Don't post. Observe network silence. Shut up.
If you just can't control yourself, then send the guy personal mail.

Warmest personal regards,
     - Brian

From -6474109268071441401
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7af86dfe73bbb913
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7af86dfe73bbb913
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-08-02 00:11:44 PST
Path: gmdzi!unido!mcsun!sunic!tut!uta!tijoma
From: tijoma@uta.fi (Jorma M{ntyl{)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: ICOM IC-R100 (Was IC-R1)
Keywords: IC-R100
Message-ID: <1480@kielo.uta.fi>
Date: 2 Aug 90 07:11:44 GMT
References: <1990Jul26.001037.21586@portia.Stanford.EDU>
<639@philica.ica.philips.nl> <KPT.90Jul31101945@gummo.doc.ic.ac.uk>
Reply-To: tijoma@kielo.uta.fi (Jorma M{ntyl{)
Followup-To: rec.radio.shortwave
Distribution: rec
Organization: University of Tampere, Finland
Lines: 20
Xref: gmdzi rec.ham-radio:13513 rec.radio.shortwave:1728
Posted: Thu Aug 2 08:11:44 1990

In article <KPT.90Jul31101945@gummo.doc.ic.ac.uk> kpt@doc.ic.ac.uk (Kevin Twidle) writes:
>In article <639@philica.ica.philips.nl> geertj@philica.ica.philips.nl (Geert Jan de Groot) writes:
>
>   During the AMSAT-UK satelite colloquium in Surrey, Great Britain, I saw
>   the ICOM R1 ready available.

>   Geert Jan
>
>One company at least is selling the R1 for 399 pounds.

Does anyone know if is ICOM IC-R100 available in Europe or in Scandinavia?
Price? Has anyone been testing this receiver?

>The R1 in France misses out the English VHF broadcast
>band - about 97MHz to 108Mhz.

What is the frequency range of IC-R100?
****
Jorma Mantyla   tijoma@uta.fi
Univ.of Tampere, PO Box 607, SF-33101 TAMPERE, FINLAND
****

From 1839630082136006386
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,78f7ee0600a9f913
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 00:56:36 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
cs.utexas.edu!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Hustler Antennas
Message-ID: <1113@ke4zv.UUCP>
Date: 2 Aug 90 07:56:36 GMT
References: <9008012038.AA14291@ucsd.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 34
Posted: Thu Aug 2 08:56:36 1990

In article <9008012038.AA14291@ucsd.edu> lwrclmr@sacemnet.af.mil ("LWRCLMR")
writes:
>OK Folks,
>
>Here's an interesting one for you antenna experts. I recently put a couple of
>HF antennas on my van. I used Radio Shack mirror mounts, springs, and
>Hustler's new MO-4 masts. I have five bands worth of resonators, all with
>excellent results EXCEPT 20 meters. If the whip is too short and resonates
>above 14.45 or so, I can get a good bandwidth and almost 1:1 SWR.   Same thing
>below 14.00. In fact I can get a good 175 or so kHz almost 1:1 bandwidth from
>around 13.10 to 15.00 by adjusting the whip EXCEPT for 14.00-14.45, where I
>cannot get it below about 2.5:1! I have used both mounts, changed coax,
>springs on and off, moved/removed other antennas on the vehicle, done
>everything except exchange the resonator. All other bands work great. I can
>put my tuner in line and bring it down, but I would like to get by without the
>tuner. The radio I am using is an ICOM IC-720A.
>
>If anyone has any suggestions, I would be most appreciative. Please e-mail or

>post, preferably both. I have tried just operating with the high SWR, but no
>one seems to hear me. There is no noticable drop in output power per the meter
>like I get with a really bad SWR, but in checking with other stations, there is
>a significant difference with the tuner in than out.
>
>Thanks for any help any one may provide.

Sounds like you are getting destructive interference. Is your vehicle
about 16 feet long? If so, you are exciting one end of an open 1/4
wave stub. Naturally, you are going to see a strange feedpoint
impedance. Try temporarily moving the antenna off the mirror and clamp
it somewhere back along the middle of the van, say at the open side
door. I think it will tune up well there. If it does, you'll know what
the problem is. As for the fix, I will leave that to your imagination,
but one hint is that it requires an electric drill :-).

Gary KE4ZV

From -3957604375928566901
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 01:23:49 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <1114@ke4zv.UUCP>
Date: 2 Aug 90 08:23:49 GMT
References: <31.Jul.90.10:57:43.BST.#2288@UK.AC.NWL.IA> <LPX&-WM@splut.conmicro.com> <1990Aug1.213344.1217@bellcore-2.bellcore.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 38
Posted: Thu Aug 2 09:23:49 1990

In article <1990Aug1.213344.1217@bellcore-2.bellcore.com>
karn@thumper.bellcore.com writes:
>
>In article <LPX&-WM@splut.conmicro.com>, jay@splut.conmicro.com (Jay
>"you ignorant splut!" Maynard) writes:
>> [Closed repeaters] are in
>|> the minority - and, just like a computer on the Usenet, it's HIS
>|> repeater, and he may operate it in any manner he wishes, as long as it's
>|> in accordance with the rules. He has just as much right to operate it as
>|> a club that's altruistic enough to let anyone and everyone operate on
>|> it.
>
>Yes and no. Yes, a closed repeater is the property of its owner and he
>doesn't have to let anyone use it. On the other hand, the channel on
>which it operates is NOT his property, and he has no right to deny
>it to others who would operate an open repeater on it.

>
>Phil

The question boils down to: "Is an open repeater always better for ham radio
than a closed repeater?". My answer is "Yes", "No", and "It depends".

Often the most technically sophisticated, lively, and interesting
repeaters are the nominally closed ones. And the most boring, and
ineptly operated ones are nominally open. Sometimes it's the reverse.
It depends on the group sponsoring the repeater and the function it is
intended to serve. If the machine is intended to serve as a technical
intercom between experimenters, it is often interesting and serves
the best interests of amateur radio. If it is intended primarily as
an autopatch repeater for the members as a way of avoiding cell phone
charges, then it is an abomination.

One reason for closing a repeater is to prevent it being taken over
by the long winded old geezers talking about their latest operation.
One reason for an open repeater is to welcome new people and new
ideas. I don't have a hard and fast answer to this question. I think
it depends on local conditions.

Gary KE4ZV

From -1514596850792253342
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 04:55:27 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!texbell!sugar!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters.
Message-ID: <RJY&V2#@splut.conmicro.com>
Date: 2 Aug 90 11:55:27 GMT
References: <31.Jul.90.10:57:43.BST.#2288@UK.AC.NWL.IA> <LPX&-WM@splut.conmicro.com> <1990Aug1.213344.1217@bellcore-2.bellcore.com>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 28
Posted: Thu Aug 2 12:55:27 1990

In article <1990Aug1.213344.1217@bellcore-2.bellcore.com>
karn@thumper.bellcore.com writes:
>Yes and no. Yes, a closed repeater is the property of its owner and he
>doesn't have to let anyone use it. On the other hand, the channel on
>which it operates is NOT his property, and he has no right to deny
>it to others who would operate an open repeater on it.

OK, fine.

Let's take the repeater I operate on - private, in the sense that you are asked not to use it unless you've been approved by the trustee. Since it's not open, the coordinator decides to tell him to either open it up or get off the air. I can tell you what Jim's reaction would be: he'd tell the coordination body to go to hell, and leave it on anyway. The coordinator could not force him to shut it down. If they tried to coordinate another repeater on the same channel, Jim would sue so fast your head would swim - because the rules were changed in midstream. Why should a coordinator invite a lawsuit in today's litigation-happy society?

I'll take your complaints a lot more seriously when you sit in the hot seat for a while. You won't get your teeth kicked in if your ideas are implemented; I will.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
"It's a hardware bug!" "It's a      +--------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_
```

From 9136513839513397074
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7d98f9e68d8616f9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 05:01:57 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!XEROX.COM!"hugh_davies.WGC1RX"
From: "hugh_davies.WGC1RX"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: ICR1's, economics & taxation.
Message-ID: <900802-050401-4163@Xerox>
Date: 2 Aug 90 12:01:57 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 23
Posted: Thu Aug 2 13:01:57 1990

Jordan Kossack, KOSSACKB@RICEVM1.RICE.EDU, writes;
<...After all, their income taxes are even higher than here in the States...>
Wrong. Our base rate is 25% and the top rate is 40%.

<...I never understood how the VAT (Value Added Tax) adds value to an object. Sure, it increases the retail price...>
Just like purchase taxes do.

Phil Howard, phil@ux1.cso.uiuc.edu, says;
<...Aunt Margaret wants her cut in EVERY STEP OF THE WAY...>
It's got naff all to do with "Aunt Margaret". VAT was introduced to harmonise with the rest of Europe, all of whom have VAT. We used to have "Purchase Tax", which was levied at point of sale, just like the USA. Except we didn't have the dumb system of quoting retail prices without the tax.

Anyway, the difference in prices of R1s has got nothing to do with taxation. VAT is 15%, so it can't account for a price difference of over 100%. It's got more to do with (i) greed, (ii) exchange rates, (iii) size of market & (iv) greed.

Hugh Davies, G0CNR.

From -247687110277957167
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2b63db80b6711cc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 05:03:17 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!texbell!sugar!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: male chauvinist pigs
Keywords: sheesh
Message-ID: <1JY&84#@splut.conmicro.com>
Date: 2 Aug 90 12:03:17 GMT
References: <34942@ut-emx.UUCP>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 39
Posted: Thu Aug 2 13:03:17 1990

In article <34942@ut-emx.UUCP> oo7@ut-emx.UUCP (Aloysius Burpington-Smythe) writes:
[about the announcement letter for the West Gulf Division Convention]
>This is downright degrading. I know that ham radio is predominantly a
>male hobby, but this sort of garbage just perpetuates the system. At
>least in my own field, astronomy, when astronomers have conferences they
>have the sense to realize that accompanying spouses can be of either gender,
>and arrange e.g. local tours, which are equally suitable for men or women.

I agree. Further, I must take part of the blame; this kind of thing has bothered me before, but I haven't spoken up about it. Even more, this is one convention where I have some input, since it's also the summer meeting of the Texas VHF-FM Society, and I currently serve as its president.

I'll print a copy of your posting, and pass it along to the convention organizers.

>This meeting is organized by the ARRL West Gulf Division. I've never really
>cared who the director is, but I do now. I'm certainly not going to their
>silly meeting and I'm not going to vote for a male chauvinist pig the next
>time around (not that I did before).

The convention was organized by the Austin Summerfest Committee, headed by Joe Makeever, W5EBJ. I'll email you his address when I get to work (I don't have it here.)

Please reconsider, and come; I think you'll enjoy yourself, and I'd like
to meet you in person. I'll even introduce you to Joe so you can raise
your concern in person.

>Which century are we in, anyway?

Hopefully, the late 20th.

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--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
"It's a hardware bug!" "It's a      +-----------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_
```

From 4489989354954057749
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2a926091a204d70
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 05:36:51 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!
ryn.esg.dec.com!ultnix!taber
From: taber@ultnix.enet.dec.com (Patrick Taber)
Newsgroups: rec.ham-radio
Subject: Re: Solving the DXCC mess
Message-ID: <2397@ryn.esg.dec.com>
Date: 2 Aug 90 12:36:51 GMT
References: <2829@wyse.wyse.com> <12280011@hpspdra.HP.COM> <1108@ke4zv.UUCP>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick Taber)
Organization: Murder Inc.
Lines: 20
Posted: Thu Aug 2 13:36:51 1990

Re: Awarding DX certificates for contacts during specific time periods

Given the nature of DXing, I don't think it would work to restrict contacts to
certain dates. A better choice would be to restrict the bands that DX awards
are issued for. For example, restricting to 160, 80 and 20 would clear up the
other bands a bit for these alleged DX stations who are afraid to operate
otherwise. (No particular reason for picking those bands, other than 20 which
is pretty much wholly-owned by DXers anyway.)

It's also probably wise to consider that if the pileups are horrendous now, when
DXing is a 24-hour/365 day pursuit, the result of compressing the pileups will
be pretty ugly (especially for the "DX Derringers" who have to wait for the big
guys to get their fill at the trough before they can get a chance.)

```
                                             >>>==>PStJTT
                                     Patrick St. Joseph Teahan Taber
```

My employer doesn't care what I think. I, in turn, don't care what

you think. You probably don't care what my empolyer thinks. Thus is
life a circle.

From 1063508769419038139
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15f001619fe06696
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 06:26:23 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!zaphod.mps.ohio-state.edu!rpi!
crdgw1!trub
From: perley@trub (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: call signs
Keywords: call signs
Message-ID: <10675@crdgw1.crd.ge.com>
Date: 2 Aug 90 13:26:23 GMT
References: <591@skipper.dfrf.nasa.gov>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@trub (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 20
Posted: Thu Aug 2 14:26:23 1990
In-reply-to: disbrow@skipper.dfrf.nasa.gov (Jim Disbrow)

In article <591@skipper.dfrf.nasa.gov>, disbrow@skipper (Jim Disbrow) writes:
>I'm taking my tech test Saturday and was
>wondering what the prefix of my call sign will be.
>From what I can gleen off the net, they're almost
>out of N6's; so what's next?

On the same note, in 2 land the extra calls are getting
close to WZ2Z. What comes after that? I may be taking the
test next week (if I can nail down all those element numbers
and space rules :-) and want to figure out whether to go
for a new call.

Apparently they went from our own WZ2B to somewhere around "P" between
may and july 1. If I pass the test on Aug 11 I assume the issuance
date would be somewhere in mid September? If there is no "summer
surge" then it will be a close call whether I get into the Wx2x calls.

-don perley - ke2tp

perley@trub.crd.ge.com

From -1420948457758310294
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3e3295c6f3adf1e1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-02 06:31:43 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!uakari.primate.wisc.edu!

zaphod.mps.ohio-state.edu!uwm.edu!srcsip!nic.MR.NET!uc!cs.umn.edu!kksys!com50!
pwcs!minnow!ron
From: ron@minnow.sp.unisys.com (Ron Burns)
Newsgroups: rec.ham-radio
Subject: Frequencies
Keywords: Airshow
Message-ID: <1909@minnow.sp.unisys.com>
Date: 2 Aug 90 13:31:43 GMT
Organization: Unisys Corporation, Roseville, MN
Lines: 27
Posted: Thu Aug 2 14:31:43 1990

I realize that some of the newsgroups I've specified are not precisely
appropriate, however I felt they were the ones most likely to be read
by someone who could answer my question.

I would like to know of any radio frequencies used by airshow and demonstration
teams.

Of particular interest are the USAF Thunderbirds, the USN Blue Angels,
the US Army Golden Knights, the Christen Eagles, Team America, The French
Connection, The Red Baron Squadron.

Any others that you might know are also very welcome.
Tower frequencies or Airshow coordination frequencies are likewise welcome.

We are planning to video tape some airshows, and would like to patch in the
plane to plane audio and record it when we can.

THANK you all very much!!

-Ron

--
Ron Burns
Unisys Corporation   UUCP: ...!pyramid!pwcs!minnow!ron
Phone:(612)635-6927   CSNET: ron@minnow.SP.Unisys.Com

From 7305819401305992766
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b03c0646057b0c5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fa029,51b72a7ec06d6e5d,start
X-Google-Attributes: gidfa029,public
X-Google-ArrivalTime: 1990-08-02 06:36:41 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!zaphod.mps.ohio-state.edu!rpi!
uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Cellular lossage

Message-ID: <274@ultrix.uhasun.hartford.edu>
Date: 2 Aug 90 13:36:41 GMT
References: <9008020355.AA04397@Quaestor.>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 33
Posted: Thu Aug 2 14:36:41 1990

In article <9008020355.AA04397@Quaestor.>, jaf@Inference.Com (Jose Fernandez) writes:

> With all due respect to those arguing the cellular issue, I'd like to bring up
> a shortcoming of cellular service. The "Carbon Canyon" fire of Southern
> California fame consumed some 4000 acres and 14 homes. Carbon Canyon (and
> other adjacent canyons) are convoluted enough to impose predictable radio
> problems.
>

[stuff deleted]

> So I'm sensitized to the fact that our government emergency communications are
> handled by people who see cellular/radio technology to be the same as a
> telephone, which it's not. Were an experienced ham involved with the
> communication planning, I'm sure he/she would have been losing sleep over how
> to place repeaters for maximal coverage of our canyons and communities. I
> doubt that the local cellular service providers are interested in adding the
> two repeaters needed to meet the emergency communication services for our
> area.

This brings up another point about reliability. When the cell site _does_ go down (granting that it may normally be more reliable than typical amateur installations, it still can fail) you are out of business within most of that cell. Amateurs, on the other hand, can usually find another repeater to use when the one they are using quits. (Of course, this indicates that cellular is more spectrum efficient in the normal course of events. But spectrun efficiency isn't everything.)

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--
Jon Bloom, KE3Z                              | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu         |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

From -5192388975781395105
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2a926091a204d70,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 16:54:13 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpspdra!henryb
From: henryb@hpspdra.HP.COM (Henry Black)
Newsgroups: rec.ham-radio

Subject: Solving the DXCC mess
Message-ID: <12280011@hpspdra.HP.COM>
Date: 30 Jul 90 23:54:13 GMT
Organization: HP Stanford Park - Palo Alto, CA
Lines: 17
Posted: Tue Jul 31 00:54:13 1990

In the August issue of 73 magazine Wayne Green, W2NSD, writes a column "Solving the DXCC mess" about how DXCC is aversely affecting ham radio. I quote " . . . the amateurs [living in rarer countries] have been virtually forced off the air by DXers. DXers, driven by the 'need' for a QSL won't permit amateurs in rare countries to enjoy relaxed contacts." He goes on about international ill will caused by the agressive tactics of some DXers.

But surely these third world hams have the solution in their own hands, . . all they need do is to make it clear that they will QSL contacts made at the time, on the air, but will not send any cards out. The card collectors will soon lose interest in such stations and leave them free to those genuinely interested in DX (rather than awards) and/or ragchewing.

Henry Black (KK6JR, G4NOC) KK6JR @ WW6L.#NOCAL.CA henryb@hpspd.HP.COM
Purely my personal views.

From -7475070944422753987
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2be8b0dc3c64021f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 17:56:46 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!execu!sequoia!attdso!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: AMSAT News, 7/28/90
Keywords: Ham satellite news
Message-ID: <956@ssc.UUCP>
Date: 31 Jul 90 00:56:46 GMT
Organization: very little
Lines: 593
Posted: Tue Jul 31 01:56:46 1990

SB ALL @ AMSAT $ANS-209.01
DOVE WATCHDOG TIMER TIMES OUT

HR AMSAT NEWS SERVICE BULLETIN 209.01 FROM AMSAT HQ
SILVER SPRING, MD JULY 28, 1990
TO ALL RADIO AMATEURS BT

DOVE's Watchdog Timer Turns Off Two Meter Transmitter After Three Days

Last week the AMSAT News Service (ANS) reported that DOVE had come back to life sending its familiar AFSK ASCII packet telemetry on 145.825 MHz. For 3 days DOVE was heard all over the world until it became silent again on July 25th some time around 15:30 UTC. The speculation by Jim De Arras (WA4ONG) is that a pre-programmed software watchdog timer had expired and the DOVE on-board computer (OBC) had done what it was suppose to do: shut off the two meter transmitter. WA4ONG is DOVE's caretaker while N4HY and NK6K are out of the country attending the AMSAT-UK Colloquium at the University of Surrey July 27-30. The basic function of the watchdog timer is to tell DOVE's OBC "if you don't receive a valid command from the ground each day, then reset and give a safe-mode." Since N4HY got DOVE back on-line only hours before he was to leave for the University of Surrey in England, it appears there was some confusion as to what the proper command was that WA4ONG was suppose to send to update the watchdog timer daily. The default timer expiration was three days and it appears that DOVE did exactly what it was programmed to do, turn off the two meter transmitter after three days.

Because of the problem of the two meter transmitter transmitting while the DOVE's two meter receiver was listening for a ground command had been a major headaches last time, and it was necessary to use W5UN's gigantic EME station to get a reset command into DOVE's OBC, this watchdog was added by MICROSAT software engineers to prevent the two meter transmitter being on while the two meter receiver was looking for ground commands. DOVE listeners know that DOVE transmits for 2.5 minutes and then stops while its two meter receiver listens for 30 seconds. Basically, this timer tells DOVE that if "you don't hear a valid command from a ground station each day, then something is wrong. Go to a known state and wait patiently. But before you get there, turn off your two meter transmitter and be prepared to do an OBC reset command."

Next week both N4HY and NK6K will return from Surrey and the first order of business will be to go over all the diagnostic memory dumps to be sure it was indeed the watchdog that timed out. AMSAT-NA asks hams all over the world to please be patient once more as DOVE will surely return to two meters soon.

When DOVE resumes two meter transmissions, it is an indication that battery management is once again under OBC control and it is important to characterize battery behavior for several days thereafter. Amateurs worldwide are requested to collect DOVE telemetry and send it on diskette to the AMSAT-NA Telemetry Archive managed by Reid Bristor, WA4UPD, 4535 Deerwood Trail, Melbourne, Florida, 32935, U.S.A.
/EX
SB ALL @ AMSAT $ANS-209.02
WO-18 VIEWS TOTAL ECLIPSE

HR AMSAT NEWS SERVICE BULLETIN 209.02 FROM AMSAT HQ
SILVER SPRING, MD JULY 28, 1990
TO ALL RADIO AMATEURS BT

WEBERSAT passed through a total solar eclipse which occurred on 22 July 90 from 0152 to 0412 UTC at about 0243 UTC. Whole orbit type data and pictures were taken during the event in which it is thought that the satellite passed through both penumbra and umbra of the moon's shadow. These data are being transmitted in the WEBERSAT data stream for several days so that interested users will have ample opportunity to collect it.

WEBERSAT controllers are very pleased with the results; solar array currents measured during the eclipse period do indeed show measurable reductions at the expected times.

Further information on this particularly interesting WEBERSAT event will appear later in ANS and AMSAT publications.
/EX
SB ALL @ AMSAT $ANS-209.03
SP SAT ACTIVITY FM ZIMBABWE

HR AMSAT NEWS SERVICE BULLETIN 209.03 FROM AMSAT HQ
SILVER SPRING, MD JULY 28, 1990
TO ALL RADIO AMATEURS BT

Four Special Callsign Stations to be Heard on AO-10 and AO-13

OSCAR enthusiasts from Zimbabwe have organized a special satellite activity month celebrating "1990: THE YEAR OF THE AMATEUR SATELLITE". Z21HJ/R and Z21GH along with the active support of the Zimbabwe Amateur Radio Society are sponsoring four separate satellite stations operating from four different locations around Zimbabwe. These stations have been issued the call-signs: Z21SAT, Z22SAT, Z23SAT and Z24SAT (prefix hunters should find some interest in these calls). It is expected that the stations can be found on Mode B around the frequency of 145.905 MHz on AO-10 as well as on AO-13.

The stations will be activated over the weekends of 31 Aug through 30 Sept 1990. Special QSL cards will be available for each of the four stations. ANS has been informed that QSLs will be sent either via the bureau or if a speedier reply is desired, the standard DX-QSL protocol of including an IRC will hasten the card reciprocation.

In addition to the special QSL cards, those stations who have worked at least two of the four call signs will qualify for the "ZIMBABWE SATELLITE ACHIEVEMENT AWARD 1990". This beautiful award is based on African culture and shows the famous Victoria Falls in the background. The award will be available for a nominal donation. Further information on QSLing and the award should be available from the stations during the operation.
/EX
SB ALL @ AMSAT $ANS-209.04
YET ANOTHER AO13 ORBIT STUDY

HR AMSAT NEWS SERVICE BULLETIN 209.04 FROM AMSAT HQ
SILVER SPRING, MD JULY 28, 1990
TO ALL RADIO AMATEURS BT

Goddard Space Flight Center Experts Study AO-13's Perigee Decay

Tom Clark (W3IWI) and a fellow orbital dynamics expert, Erricos Pavlis of the the Goddard Space Flight Center in Greenbelt, MD have just concluded an in-depth and highly detailed study of AO-13's orbital decay situation. Both Tom and Erricos will present the results of their study in a paper to the AMSAT-NA Space Symposium later this year. While the purpose of this ANS bulletin is not to present the results of their combined efforts in great detail, some of the more outstanding points need to be mentioned to stop needless rumors.

Firstly, AO-13's perigee has been steadily decreasing at a rate of 785 meters/orbit. This was gleaned from studying orbital element sets from the day after AO-13's apogee kick motor was fired almost two years ago. Using a simple procedure of linear extrapolation of the perigee altitude from orbital elements, one would be inclined to predict a orbital re-entry of AO-13 around early 1992. However, life is not that simple. Orbital mechanics is capable of throwing the unwary analyst a celestial curve-ball. Using an extremely sophisticated orbital ephemeris program which includes the effects of everything and the "kitchen sink," and running this program on a large mainframe computer, the results indicate that a simple linear extrapolation technique can not always produce accurate results when it comes to orbital decay. W3IWI's and Erricos's efforts from this huge program show that AO-13's perigee will continue to collapse from the present 1500 KM altitude now to a minimum of 600 KM by 1992. Throughout that year, AO-13's perigee will wander around from 580 to 650 KM. And then just when you thought it would continue to decay, AO-13's perigee will then start to rise again! It will rise to 800 KM by late 1993, and then start to decay again! After staying around 800 KM for awhile, AO-13's perigee will then start to decrease again and a predicted re-entry MIGHT occur around late 1996 or early 1997.

But in all of this, W3IWI asks that hams keep in mind that "the collective effects of gravity of the earth, sun, moon and planets on a highly elliptical satellite do not constitute a neat, simple predictive system -- it is in fact a classic chaotic system ...dependent on the initial conditions." The complete results of this detailed study will be presented in Houston, TX at the Johnson Space Flight Center (JSFC) on Oct. 20th when the JSFC ARC, W5RRR, will host the annual gathering of AMSAT's finest.
/EX
SB ALL @ AMSAT $ANS-209.05
RUDAK-2/RS-14 LAUNCH DELAYED

HR AMSAT NEWS SERVICE BULLETIN 209.05 FROM AMSAT HQ
SILVER SPRING, MD JULY 28, 1990
TO ALL RADIO AMATEURS BT

RUDAK-2/RS-14 Launch To Be Delayed Until Autumn

The AMSAT News Service (ANS) has received information from a reliable source that the launch of RUDAK-2/RS-14 has been delayed until Autumn. This delay is due to a hardware failure in the primary payload. The primary payload is a Soviet oceanographic research satellite known as GEOS and RUDAK-2 is riding "piggy-back." In addition to being a packet radio BBS, RUDAK-2 will also contain a Mode B linear transponder. The RUDAK-2 transponder was designed and built by AMSAT-DL and delivered to representatives of AMSAT-U-ORBITA in Munich on January 21, 1990. Accepting the RUDAK-2 transponder on behalf of the AMSAT-U-ORBITA was Leo Labutin (UA3CR) and Dr. Alexander Tenyakchev (UW3CZ).

Originally planned to be launched in June of 1990 on a PROTON rocket from the Pletetsk spaceport, RUDAK-2 is intended for a circular orbit with an altitude of 1000 KM and an orbital inclination of 98 degrees. AMSAT-NA will release further information concerning the launch date of RUDAK-2/RS-14 as soon as it is available.
/EX
SB ALL @ AMSAT $ANS-209.06
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 209.06 FROM AMSAT HQ
SILVER SPRING, MD JULY 28, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times. Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date UTC	Time	Phs	Mode	NCS	U.S. Day
07 Aug 90	0130	170	J/L	N5BF	Monday
18 Aug 90	0045	170	J/L	N5BF	Friday
28 Aug 90	0100	169	J/L	N5BF	Monday
08 Sep 90	0020	169	J/L	N5BF	Friday

Acting Operations Net Manager, Courtney Duncan, N5BF, is looking for assistance in running the net in the form of a permanent Net Manager and five or six additional net control stations. To volunteer, contact N5BF at:
4522 Ocean View Blvd, La Canada, CA 91011.

For information on the amateur satellite program and how you can participate, contact AMSAT-NA at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062, or contact your local AMSAT Regional Area Coordinator listed below. Pick the Regional Area Coordinator that is closest to you and they can give you a list of other AMSAT Area Coordinators that may be closer to where you live.

Drew Deskur, KA1M, 19 Parker Dr, North Reading, MA 01864 (508) 664-0009
Harry Morton, WB2IBO, 261 N. Chestnut St. Massapequa, NY 11758 (516) 541-1783
David L Filmer, WB9QPG, Box 2077, West LaFayette, IN 47906 (317) 497-3007
Ron Curry, WA4GSS, 229 W. Green Hill Rd, Ashland, KY 41101 (606) 928-6672
Byron Lindsey, W4BIW, 1356 Vista Leaf Dr, Decatur, GA 30033 (404) 636-7452
Keith Pugh, W5IU, Box 121576, Fort Worth, TX 76121 (817) 292-5633
Jim McKim, W0CY, 1721 Glen Ave, Salina, KS 67401 (913) 827-2927
Gar Anderson, K0GA, 5820 Chowen Ave. S, Minneapolis, MN 55410 (612) 922-1160
Joe Holman, KA7LDN, 22909 N.E. 24th Place, Redmond, WA 98052 (206) 868-1040
David Cowdin, WD0HHU, 8325 S. Yukon St, Littleton, CO 80123 (303) 972-0648
Gene Davies, AA6NP, 3450 Ben Lomond Pl, Los Angeles, CA 90027 (213) 937-7942
Bob Gobrick, WA6ERB, 8825 Etcheverry Dr, Tracy, CA 95376 (209) 836-9160
/EX
SB ALL @ AMSAT $ANS-209.07
AO-13 TRANSPONDER SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 209.07 FROM AMSAT HQ
SILVER SPRING, MD JULY 28, 1990
TO ALL RADIO AMATEURS BT

A new Transponder Schedule for AO-13 was put into effect on July 3.

The present transponder schedule for AO-13 is as follows:

```
         Mode-B          : MA 003 to MA 165
         Mode-JL         : MA 165 to MA 190
         Mode-LS         : MA 190 to MA 195  (Mode S Beacon only)
         Mode-S          : MA 195 to MA 200
         Mode-BS         : MA 200 to MA 205
         Mode-B          : MA 205 to MA 240
         Off             : MA 240 to MA 003
         Omni Antennas   : MA 240 to MA 060
```

Cross mode B and S QSOs are possible from MA 200 to 205.

The current attitude estimate:

BLON = 207 and BLAT = +1

AMSAT-OSCAR-10 appears to be receiving sufficient solar panel illumination to support Mode-B transponder operations, therefore, the transponder is available for general use whenever AO-10 is in view at your location. Please DO NOT use the transponder if the signals are FMing. The current estimate of AO-10's attitude is   LON 24 deg   LAT -9 deg.

Much activity has been heard on AO-10 centering around a popular calling frequency of 145.910 MHz.
/EX
SB ALL @ AMSAT $ORBS-209.O
Orbital Elements 209.OSCAR

HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES
FROM N3FKV LORENA, TX   JULY 28, 1990
TO ALL RADIO AMATEURS BT

```
Satellite: AO-10
Catalog number: 14129
Epoch time:      90202.22227088
Element set:     535
Inclination:       26.0271 deg
RA of node:       193.6152 deg
Eccentricity:    0.5957350
Arg of perigee:   161.1032 deg
Mean anomaly:     237.0789 deg
Mean motion:    2.05879966 rev/day
Decay rate:      -1.00e-07 rev/day^2
Epoch rev:            5343

Satellite: UO-11
```

```
Catalog number: 14781
Epoch time:      90205.02567339
Element set:     762
Inclination:       97.9470 deg
RA of node:       256.3744 deg
Eccentricity:    0.0013301
Arg of perigee:   126.9258 deg
Mean anomaly:     233.3151 deg
Mean motion:   14.65505065 rev/day
Decay rate:       7.91e-06 rev/day^2
Epoch rev:           34136

Satellite: RS-10/11
Catalog number: 18129
Epoch time:      90205.86796798
Element set:     265
Inclination:       82.9291 deg
RA of node:       300.6886 deg
Eccentricity:    0.0012340
Arg of perigee:    21.8430 deg
Mean anomaly:     338.3251 deg
Mean motion:   13.72098597 rev/day
Decay rate:      -1.12e-06 rev/day^2
Epoch rev:           15461

Satellite: AO-13
Catalog number: 19216
Epoch time:      90197.82067606
Element set:     139
Inclination:       57.0355 deg
RA of node:       145.3614 deg
Eccentricity:    0.6989638
Arg of perigee:   231.4991 deg
Mean anomaly:      42.6273 deg
Mean motion:    2.09702725 rev/day
Decay rate:      -8.20e-07 rev/day^2
Epoch rev:            1602

Satellite: FO-20
Catalog number: 20480
Epoch time:      90199.58691214
Element set:      94
Inclination:       99.0360 deg
RA of node:       240.1658 deg
Eccentricity:    0.0540852
Arg of perigee:   337.5079 deg
Mean anomaly:      20.3134 deg
Mean motion:   12.83157648 rev/day
Decay rate:       1.06e-06 rev/day^2
Epoch rev:            2077
/EX
SB ALL @ AMSAT $ORBS-209.D
Orbital Elements 209.MICROS
```

```
HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS
FROM N3FKV LORENA, TX      JULY 28, 1990
TO ALL RADIO AMATEURS BT

Satellite: UO-14
Catalog number: 20437
Epoch time:      90206.83601518
Element set:     187
Inclination:       98.6956 deg
RA of node:       282.8304 deg
Eccentricity:    0.0011814
Arg of perigee:    46.6066 deg
Mean anomaly:     313.6111 deg
Mean motion:   14.28662307 rev/day
Decay rate:       1.86e-06 rev/day^2
Epoch rev:            2638

Satellite: AO-16
Catalog number: 20439
Epoch time:      90207.10311923
Element set:      96
Inclination:       98.7020 deg
RA of node:       283.2202 deg
Eccentricity:    0.0012450
Arg of perigee:    46.3855 deg
Mean anomaly:     313.8335 deg
Mean motion:   14.28766803 rev/day
Decay rate:       1.98e-06 rev/day^2
Epoch rev:            2642

Satellite: DO-17
Catalog number: 20440
Epoch time:      90199.18477369
Element set:      98
Inclination:       98.7008 deg
RA of node:       275.3312 deg
Eccentricity:    0.0012650
Arg of perigee:    65.8478 deg
Mean anomaly:     294.4027 deg
Mean motion:   14.28810988 rev/day
Decay rate:       2.56e-06 rev/day^2
Epoch rev:            2529

Satellite: WO-18
Catalog number: 20441
Epoch time:      90207.08444772
Element set:     100
Inclination:       98.7018 deg
RA of node:       283.2375 deg
Eccentricity:    0.0013067
Arg of perigee:    46.7923 deg
Mean anomaly:     313.4346 deg
Mean motion:   14.28908466 rev/day
Decay rate:       8.20e-07 rev/day^2
Epoch rev:            2642

Satellite: LO-19
Catalog number: 20442
Epoch time:      90207.07559340
Element set:      99
Inclination:       98.7023 deg
RA of node:       283.2494 deg
Eccentricity:    0.0013439
Arg of perigee:    46.6202 deg
Mean anomaly:     313.6104 deg
Mean motion:   14.28977533 rev/day
Decay rate:       8.40e-07 rev/day^2
Epoch rev:            2642
/EX
SB ALL @ AMSAT $ORBS-209.M
Orbital Elements 209.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES
FROM N3FKV LORENA, TX      JULY 28, 1990
TO ALL RADIO AMATEURS BT

Satellite: SALYUT 7
Catalog number: 13138
Epoch time:      90206.42044929
Element set:     400
Inclination:       51.6003 deg
RA of node:       110.2086 deg
Eccentricity:    0.0001915
Arg of perigee:    88.9596 deg
Mean anomaly:     271.1709 deg
Mean motion:   15.66714211 rev/day
Decay rate:     2.9987e-04 rev/day^2
Epoch rev:           47084

Satellite: MIR
Catalog number: 16609
Epoch time:      90206.39972361
Element set:     817
Inclination:       51.6113 deg
RA of node:       137.7709 deg
Eccentricity:    0.0010092
Arg of perigee:   180.1747 deg
Mean anomaly:     179.9356 deg
Mean motion:   15.63331706 rev/day
Decay rate:     2.1369e-04 rev/day^2
Epoch rev:           25407

Satellite: HUBBLE
Catalog number: 20580
Epoch time:      90206.82447791
```

```
Element set:     148
Inclination:       28.4702 deg
RA of node:         3.7550 deg
Eccentricity:    0.0006020
Arg of perigee:   170.0638 deg
Mean anomaly:     190.0083 deg
Mean motion:   14.84624918 rev/day
Decay rate:      1.615e-05 rev/day^2
Epoch rev:            1372

Satellite: BADR-1
Catalog number: 20685
Epoch time:      90204.50601142
Element set:      12
Inclination:       28.4963 deg
RA of node:       256.1649 deg
Eccentricity:    0.0551391
Arg of perigee:   205.7293 deg
Mean anomaly:     151.2654 deg
Mean motion:   14.92991381 rev/day
Decay rate:     1.8614e-03 rev/day^2
Epoch rev:             112
/EX
SB ALL @ AMSAT $ORBS-209.W
Orbital Elements 209.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM N3FKV LORENA, TX      JULY 28, 1990
TO ALL RADIO AMATEURS BT

Satellite: NOAA-9
Catalog number: 15427
Epoch time:      90205.09689309
Element set:     606
Inclination:       99.1694 deg
RA of node:       205.7859 deg
Eccentricity:    0.0014150
Arg of perigee:   265.2013 deg
Mean anomaly:      94.7540 deg
Mean motion:   14.12622879 rev/day
Decay rate:       2.76e-06 rev/day^2
Epoch rev:           28919

Satellite: NOAA-10
Catalog number: 16969
Epoch time:      90202.36241059
Element set:     453
Inclination:       98.5980 deg
RA of node:       229.5400 deg
Eccentricity:    0.0013460
Arg of perigee:   166.3681 deg
Mean anomaly:     193.7863 deg
Mean motion:   14.23667498 rev/day
```

```
Decay rate:       3.59e-06 rev/day^2
Epoch rev:           19947

Satellite: MET-2/16
Catalog number: 18312
Epoch time:      90206.07430102
Element set:     464
Inclination:       82.5532 deg
RA of node:       260.2650 deg
Eccentricity:    0.0012152
Arg of perigee:   139.4123 deg
Mean anomaly:     220.7942 deg
Mean motion:   13.83664529 rev/day
Decay rate:       2.19e-06 rev/day^2
Epoch rev:           14822

Satellite: MET-2/17
Catalog number: 18820
Epoch time:      90206.06963414
Element set:     326
Inclination:       82.5468 deg
RA of node:       320.3439 deg
Eccentricity:    0.0015789
Arg of perigee:   214.2284 deg
Mean anomaly:     145.7861 deg
Mean motion:   13.84353860 rev/day
Decay rate:       5.30e-07 rev/day^2
Epoch rev:           12542

Satellite: MET-3/2
Catalog number: 19336
Epoch time:      90205.64662048
Element set:     537
Inclination:       82.5406 deg
RA of node:       250.9239 deg
Eccentricity:    0.0016359
Arg of perigee:   215.8167 deg
Mean anomaly:     144.1777 deg
Mean motion:   13.16897637 rev/day
Decay rate:       3.91e-06 rev/day^2
Epoch rev:            9588

Satellite: NOAA-11
Catalog number: 19531
Epoch time:      90206.22907459
Element set:     320
Inclination:       98.9841 deg
RA of node:       154.5844 deg
Eccentricity:    0.0011958
Arg of perigee:   172.3537 deg
Mean anomaly:     187.7816 deg
Mean motion:   14.11654798 rev/day
Decay rate:      -4.00e-08 rev/day^2
```

```
Epoch rev:            9433

Satellite: MET-2/18
Catalog number: 19851
Epoch time:      90206.05120754
Element set:     270
Inclination:       82.5189 deg
RA of node:       198.2854 deg
Eccentricity:    0.0012584
Arg of perigee:   256.2335 deg
Mean anomaly:     103.7416 deg
Mean motion:   13.83985874 rev/day
Decay rate:      -2.29e-06 rev/day^2
Epoch rev:            7080

Satellite: MET-3/3
Catalog number: 20305
Epoch time:      90206.99655905
Element set:     176
Inclination:       82.5503 deg
RA of node:       190.6244 deg
Eccentricity:    0.0014914
Arg of perigee:   228.9452 deg
Mean anomaly:     131.0383 deg
Mean motion:   13.15865271 rev/day
Decay rate:       3.90e-07 rev/day^2
Epoch rev:            3605

Satellite: MET-2/19
Catalog number: 20670
Epoch time:      90207.12344511
Element set:      24
Inclination:       82.5439 deg
RA of node:       257.7623 deg
Eccentricity:    0.0016326
Arg of perigee:   173.8807 deg
Mean anomaly:     186.2552 deg
Mean motion:   13.83840577 rev/day
Decay rate:       8.80e-07 rev/day^2
Epoch rev:             390
/EX
```

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -6796441344579699617
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f8192d9efc124574
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 18:51:30 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!bacchus.pa.dec.com!decvax.dec.com!zinn!ubbs-nh!critz!rwc
From: rwc@critz.mv.com (Richard Critz)
Newsgroups: rec.ham-radio
Subject: Re: Learning code (was: Help with mods and code)
Message-ID: <240@critz.mv.com>
Date: 31 Jul 90 01:51:30 GMT
References: <1990Jul20.001951.1172@uoft02.utoledo.edu> <1359@necis.UUCP> <1363@necis.UUCP>
Reply-To: rwc@critz.MV.COM (Richard Critz)
Organization: critz - a personal system, nashua, nh
Lines: 23
Posted: Tue Jul 31 02:51:30 1990

In article <1363@necis.UUCP> rbono@necis.UUCP (NM1D) writes:

> Of course, some say don't write anything down, start by copying in your head!!
>Well, I have yet to see anyone PASS THE TELEGRAPHY EXAM by copying in their
>head, and just jotting down a few notes.... some may have done this, but with
>a few years of being a V.E. (Volunteer Examiner), I have NEVER witnessed
>anyone passing an exam this way.
>

I've never seen it at a VE session either, however, Rich, you do know someone who passed his 20wpm that way (3 times, in fact since the FCC didn't issue CSCE's for code credit).

That someone was me. The FCC gave no credit for solid copy at that time, however. You either passed the fill-in-the-blank test or you didn't get code credit. I would not recommend that procedure now that one can pass the exam on solid copy as well as the 10 question test.

Rich KB4N

```
--
Richard W. Critz, Jr.           |        ...{decvax!ubbs-nh, decuac}!critz!rwc
141 Hills Ferry Road            |                             rwc@critz.mv.com
Nashua, NH  03060               |                Packet:  KB4N @ KB4N.NH.USA.NA
------------------------------------------------------------------------------
```

From -1382468780745841389
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 19:00:44 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!rutgers!mcnc!unccvax!cs00jmc
From: cs00jmc@unccvax.uncc.edu (John Covington WN4BBJ)

Newsgroups: rec.ham-radio
Subject: Re: extra exam matter Re: Qualification-based licensing
Message-ID: <2558@unccvax.uncc.edu>
Date: 31 Jul 90 02:00:44 GMT
References: <10437@crdgw1.crd.ge.com> <900724-020327-19183@Xerox>
<38845@cci632.UUCP> <16164@ucsd.Edu> <38860@cci632.UUCP> <1096@ke4zv.UUCP>
<38897@cci632.UUCP> <2359@ryn.esg.dec.com> <10528@crdgw1.crd.ge.com>
Reply-To: cs00jmc@unccvax.UUCP (John Covington WN4BBJ)
Organization: University of North Carolina at Charlotte
Lines: 61
Posted: Tue Jul 31 03:00:44 1990

In article <10528@crdgw1.crd.ge.com> perley@galaxy (Donald P Perley) writes:
>In article <2359@ryn.esg.dec.com>, taber@ultnix (Patrick Taber) writes:
>>Easy question. They apply to all hams who are Extras. One of the privileges
>>of being an Extra is permission to operate from space.
>
>Great. So I pass my exam, then write NASA that I want to operate from the
>shuttle? These rules don't apply to all extras, only the those with the
>means to launch a sattelite or get a ride on the shuttle. That is very
>few even compared with modes that most would consider pretty esoteric,
>like moonbounce.
>

Agreed. It is of dubious value to have these questions on the Extra
exam, even if they are "privileges" of holding such a license.

>I have also heard of astronauts without extra tickets being granted
>temporary priveledges for the duration of a flight. If that is
>routine procedure, then being an extra seems to have little to do with
>it.

As far as I know NO ONE with a lower class license has ever been turned
down when requesting a waiver to operate from space. I don't think that
an Extra has done so yet.

>
>Here is a more down-to-earth example. To get a ticket you have to pass
>various exam elements with designations like 3e, 4a, etc. In a sense,
>this affects every new ham. Once you get your license, those designators
>have zero effect on whether you will operate your station legally.
>
>Supposedly the reason for the legal portion of the exam is to ensure
>that you know the rules well enough to operate within the law. What
>is the point of asking which designators are required for which class
>license when there are practical questions that won't get in for lack
>of room?
>
>-don perley
>perley@trub.crd.ge.com

This is on the Extra class exam for a much more important reason. An

Extra class licensee is authorized to be a Volunteer Examiner-Coordinator or may become accredited to be a Volunteer Examiner capable of giving ANY Amateur Radio license exam. General and Advanced class licensees are allowed to give specific elements only. Each VE should know which elements are used for which license and know whether it is legal for them to administer it. In practice I don't think this is as much of a problem since I think VECs are reluctant to accredit anyone who does not have an Extra Class license (makes it easier when you don't have to worry about who may give what exam).

IMHO the VE accreditation procedure should require potential VEs to learn the element numbers, and not the operator license exams. There are not many more VECs than there are space travelers. But remember, the VECs maintain the question pool so I guess they don't want it that way!

--
John Covington WN4BBJ   Internet: cs00jmc@unccvax.uncc.edu
P.O. Box 217122   MCI Mail: JCOVINGTON 342-6957
Charlotte, NC 28221-7122 Packet Radio Mail: WN4BBJ @ W4BFB.NC.USA.NA
(704) 537-7653   "Kenneth, what's the frequency?" "I dunno, ask Dan"

From -7954002732127914222
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,80ebe777efbf90b2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 21:44:15 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!ucbvax!pro-sat.cts.com!wen
From: wen@pro-sat.cts.com (System Administrator)
Newsgroups: rec.ham-radio
Subject: #Info Request for Ham HT's and Scanners
Message-ID: <9007310442.AA09777@trout.nosc.mil>
Date: 31 Jul 90 04:44:15 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Tue Jul 31 05:44:15 1990
X-Unparsable-Date: Mon, 30 Jul 90 20:52:12 PDST

I want to buy a HT for 2 and/or 1 1/4 mtrs with versatile scanning capablility and pl, etc. Unfortunately my present TEMPO fmh HT finally bit the dust. For all its faults, the battery pack lasted pretty well. Ability to access all types of repeaters and long battery life in the scanning modes are most important characteristics. Any recommendations from anyone pleased with the performance would be appreciated along with best liked and worst liked features and where they could be purchased/or prices would be helpful.

I also just bought the Radio Shack PRO-34 scanner, but am not particularly impressed with the operation and lack of a decent case may make a case for the exchange to a Bearcat 200 or just wait for the PRO-2005 to go on sale. I tried to contact Bob Parness, but have lost his net address to see if he had any recommendations on the scanner or the ht. Any assistance would be appreciated, particularly with regard to reviews, personal likes and dislikes, prices and mail order sources of supply.

From -5132532352824134225
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c74b320ba7d22855,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 21:54:43 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!sdd.hp.com!hplabs!hpda!
hpcupt1!hprnd!hprmokg!barry
From: barry@hprmokg.HP.COM (Barry Fowler)
Newsgroups: rec.ham-radio
Subject: QST "Cover Stories" (or lack of)
Message-ID: <29490016@hprmokg.HP.COM>
Date: 31 Jul 90 04:54:43 GMT
Organization: HP Networked Computer Mfg. Operation
Lines: 21
Posted: Tue Jul 31 05:54:43 1990

Has anyone noticed that QST magazine covers often have very interesting covers but *NO* supporting cover story?

I noticed this especially then they had last year's decades of ham radio covers with some very interesting equipment on the covers but absolutely no story describing what was on the cover.

What's going on here, eh?

Barry M. Fowler   Hewlett Packard Company

Networked Computer Manufacturing Operation - Roseville, California
(can't we think of a shorter name?)

e-mail: barry@hprmokg.rose.hp.com
Verbal: Hey Barry!
R.F. : WB6JZL
NAR   : 51644

From 2652909264914285921
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1cde0d2667774611
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 23:12:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ncar!midway!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: battery questions

Message-ID: <30500631@ux1.cso.uiuc.edu>
Date: 31 Jul 90 06:12:00 GMT
References: <22480009@hpcuha.HP.COM>
Lines: 24
Nf-ID: #R:hpcuha.HP.COM:22480009:ux1.cso.uiuc.edu:30500631:000:1155
Nf-From: ux1.cso.uiuc.edu!phil   Jul 31 01:12:00 1990
Posted: Tue Jul 31 07:12:00 1990

> "Wouldn't it be nice if" all battery packs had a standard connector that
> had two pins for each cell? To use the pack you'd attach a "series"
> connector. To charge the cells you'd use a "parallel" connector (with
> sufficient smarts in the charger to do the job right of charging and
> checking each cell).

You do not want to charge NiCd cells in parallel. You want constant current to charge the cells, not constant voltage. Of course you CAN charge each cell INDEPENDENTLY if you want.

If you are RAPID (or RABID) charging the pack, you need to stop when some cells are topped off, but others may not be full yet.

If you charge cells slowly, you can leave all the cells on charge while the latent ones are still filling up.

Also be wary of connecting cells in parallel in any application. If one cell is FULL and another is EMPTY, such parallel connection could result in a damaging level of current flow between the cells, and a possible fire or explosion as a result of heat buildup.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -3991759243627383271
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fcd553a8b336f574
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 00:04:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ncar!midway!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: costs... (long)
Message-ID: <30500632@ux1.cso.uiuc.edu>
Date: 31 Jul 90 07:04:00 GMT
Lines: 47
Nf-ID: #R:<9007291929.AA23143@tecnet1.jcte:-41:ux1.cso.uiuc.edu:30500632:000:2719
Nf-From: ux1.cso.uiuc.edu!phil   Jul 31 02:04:00 1990
Posted: Tue Jul 31 08:04:00 1990

Just adding more channels to cellular is NOT necessarily going to lower the costs of cellular service.

Consider the case of operating a seaside motel. You have a peak seasonal demand during the summer months, and some business during spring and fall. In the winter things are so bad, you shutdown. But during the peak of summer, you get more than TWICE the number of reservation requests you have to turn down. Would you expand your motel? Suppose the land next door is up for sale. Would you build and addition there?

This addition would be able to service the peak, but would do you no good during the slower spring and fall.

When things are up and down like that, it is not necessarily economical to acquire the resources to satisfy only the peak demands.

Cellular services have these same kinds of peak demands, but they occur at various times of the day. During times other than these peaks, adding more channels is NOT cost effective. While there are some fixed costs in the cellular business (tower and site rental/payments) there are also many incremental costs. To add more channels requires more equipment. There have to be more receivers, more transmitters, more computer interfaces, and more landline connections. For any given market there is a particular number of channels that are the most economically optimal. It isn't always easy to figure this out, but it generally won't meet all the peak demands.

The next question is whether or not this optimal number of channels is greater than the number available in the cellular service. It just so happens that the FCC as set aside some portions of the 800 Mhz land mobile band for undetermined purposes. While morst of these are starting to be taken up, cellular could get a few more slivers. I believe I have read that there is at least one petition to open up some more frequencies and establish a third provider in major markets.

I have been seeing ads in Chicago newspapers in the business sections for very low cost cellular phones. Typically the prices are $200 WITH a hookup and $500 without. They also seem to require the hookup be with a particular provider, so I am believing from this that they are trying hard to get more business. They must believe they are going to make more than $300 for each cellphone sale made, or else have an arrangement to not have to support so much of this discount in exchange for advertising the sellers wares through some other means. It's not clear just what is going on except for the fact that they are trying to get more business.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -4767460256535054949
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6dd70594c00b6d1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 00:13:00 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!

ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: ICR1 and ICR100 available ex-st
Message-ID: <30500633@ux1.cso.uiuc.edu>
Date: 31 Jul 90 07:13:00 GMT
References: <672@dg.dg.com>
Lines: 18
Nf-ID: #R:dg.dg.com:672:ux1.cso.uiuc.edu:30500633:000:765
Nf-From: ux1.cso.uiuc.edu!phil   Jul 31 02:13:00 1990
Posted: Tue Jul 31 08:13:00 1990

> I believe that the R1 and R100 are available everywhere except places
> where ICOM America Inc. is the importer. IMHO, ICOM America Inc.
> decided not to import them because they are great cellular telephone
> receivers. Look for the IC-R1A with the cellular telephone freqs.
> deleted.

We've been hearing the problem is a patent issue.

However if it does turn out they delete the cellular frequencies then
I will certainly fuss, complain, and raise hell, and encourage everyone
else to do the same.

Remember, these frequencies are ALSO the 6th harmonic of 2 meters and
the 2nd harmonic of 435-445 Mhz.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 7729642859302386031
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e5828437963dfe4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 00:15:00 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Should I become a ham now or wa
Message-ID: <30500634@ux1.cso.uiuc.edu>
Date: 31 Jul 90 07:15:00 GMT
References: <7880229@hpfcdc.HP.COM>
Lines: 8
Nf-ID: #R:hpfcdc.HP.COM:7880229:ux1.cso.uiuc.edu:30500634:000:273
Nf-From: ux1.cso.uiuc.edu!phil   Jul 31 02:15:00 1990
Posted: Tue Jul 31 08:15:00 1990

> Don't wait. Do it now! Morse code *will* improve your sex life,
> guaranteed. You'll see!

It didn't work for me.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 666656711011143873
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7af86dfe73bbb913
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7af86dfe73bbb913
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-31 02:19:45 PST
Path: gmdzi!unido!mcsun!ukc!icdoc!gould!kpt
From: kpt@doc.ic.ac.uk (Kevin Twidle)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: ICOM IC-R1 Review
Message-ID: <KPT.90Jul31101945@gummo.doc.ic.ac.uk>
Date: 31 Jul 90 09:19:45 GMT
References: <1990Jul26.001037.21586@portia.Stanford.EDU>
     <639@philica.ica.philips.nl>
Sender: news@doc.ic.ac.uk
Distribution: rec
Organization: Dept of Computing, Imperial College, London, England
Lines: 25
Xref: gmdzi rec.ham-radio:13466 rec.radio.shortwave:1723
Posted: Tue Jul 31 10:19:45 1990
In-reply-to: geertj@philica.ica.philips.nl's message of 30 Jul 90 14:31:58 GMT

In article <639@philica.ica.philips.nl> geertj@philica.ica.philips.nl (Geert Jan de Groot) writes:

> During the AMSAT-UK satelite colloquium in Surrey, Great Britain, I saw
> the ICOM R1 ready available. I forgot to write down the price, sorry.
> Anyway, if someone comes over to the UK, you can get one there.
> I believe it is also available in other European countries, but have
> not checked. If you're going on a business trip..
>
> Geert Jan

One company at least is selling the R1 for 399 pounds.

Did you know that the spec for the R1 in Germany only covers the amateur bands? The R1 in France misses out the English VHF broadcast band - about 97MHz to 108Mhz. I forget the exact frequency range; I have the details at home and also, I believe, the full specs on the R1 and R100. I will look them up.

Kevin
--

Kevin Twidle G8RKU   Tel: +44 71 589 5111 x5068   Fax: +44 71 581 8024

Dept of Computing, Imperial College, 180 Queen's Gate, London SW7 2BZ, England
Email: kpt@doc.ic.ac.uk, kpt%uk.ac.ic.doc@nsfnet-relay.ac.uk, ..!ukc!icdoc!kpt
"It's not the cough that carries you off, it's the coffin they carry you off in"

From 2022861216063262367
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93962d64f67c5987,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 02:56:47 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: Repeaters.
Message-ID: <31.Jul.90.10:57:43.BST.#2288@UK.AC.NWL.IA>
Date: 31 Jul 90 09:56:47 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19
Posted: Tue Jul 31 10:56:47 1990

Reading the recent discussions on repeaters, PL-tone etc, i am puzzled at
the whole idea of 'private' repeaters. Here in UK we do not have any such
beasties; all our repeaters are 'public access' i.e. anyone who can put up
half a second of 1750Hz tone has access to the repeater.
Repeaters are not operated by private individuals here; they are run and
maintained by local repeater groups (who hold the license for repeater
operation). We dont have that many repeaters either (there are only 7 channel
pairs allocated in the 2 meter band for repeater use under our bandplan -
remember us poor Europeans only have 144-146MHz)
I am only able to get three repeaters from my home QTH, there just arent
any more!
This sometimes leads to congestion, but also leads to increased operating
discipline and faster, less timewasting QSOs. It also removes any ghettoising
of particular groups. My question is: Why does anyone want a 'private'
repeater? IMHO a mixture of elitism and one-upmanship?
And *such* a poor use of spectrum-space!

73's de Pete   G6WBJ   PJML@UK.AC.NWL.IA

From -8012072353267460511
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2427f201a5e7fc34
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 03:26:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!decwrl!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio

Subject: Re: Spread Spectrum Interference
Message-ID: <9007311026.AA24732@cmr.ncsl.nist.gov>
Date: 31 Jul 90 10:26:17 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 11
Posted: Tue Jul 31 11:26:17 1990

Paul Flaherty comments that EME antennas are pointed above the horizon, thus he says that will reduce interference from SS stations.

My comment is that the first side lobe, say 15 to 30 degrees off the main beam, is usually down about 16 dB from the max gain. Other minor lobes may be down more or less from this number. Thus you can count on no more that another 16-20 dB of isolation from the SS station due to moon elevation. Many people work the moon when it is only a FEW degrees above the horizon. 15-20 dB doesn't make a big dent in the 100-150 dB that may well be needed.

Bob W3OTC

From -7793599459598662675
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8da2ef6a3bd6f02a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 03:50:07 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!zaphod.mps.ohio-state.edu!wuarchive!decwrl!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: Traps to take out Images, QRM etc.
Message-ID: <31.Jul.90.12:02:52.BST.#2350@UK.AC.NWL.IA>
Date: 31 Jul 90 10:50:07 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 37
Posted: Tue Jul 31 11:50:07 1990

I had a similar problem to one recently discussed; i found a coaxial stub was the answer.
You will need: a 'T' connector for your coaxial feedline, plus a few feet of coax, and some suitable plugs.
Find out the frequency you want to cut off. Convert this to a wavelength (in metres) and divide by four to get the length for a quarter-wave.
Multiply this length by the velocity-factor of the coax you are using (get out your reference sheets, or look in the back of a Handbook).
Most solid-dielectric coax has a v.f. of about 0.66. Foam coax can be nearer 0.8 though, so check it BEFORE cutting!
Make up a length of cable with a plug on the end, to the calculated length. Short circuit the end remote from the plug. Put the coax 'T' piece in the feeder to the radio and attach the stub to the 'limb' like this:

```
  from antenna>-------------------T------------------>to radio
                                  !
                                  !
                                  !
                                  !
                                  !             Stub;
                                  +  <- inner & outer shorted.
```

Tune up the radio and the interference should have gone. If not, try two stubs, spaced 1/4 wavelength apart; this will give you at least 30dB of suppression. Attenuation 10% either side of the stub is less than 1dB.
Note that its perfectly safe to transmit through such a stub too; they make a great way of reducing your 2nd harmonic on 6 meters and preventing you being unpopular with FM broadcast listeners. Stubs are also useful for keeping local despatch companies, Police etc. out of your radio if it has a sleazy, zero-selectivity broadband front-end like many handie-talkies.
Transmitting people can trim the 'limb' of the stub for maximum attenuation (or lowest SWR). Be careful though; there can be some dangerously high voltages on the inner if you run even modest power.

73 de Pete G6WBJ   PJML@UK.AC.NWL.IA   G6WBJ@GB7SDN.GBR.EU

From -7236783344726452380
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,925f4887d3178772,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 05:00:54 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!zaphod.mps.ohio-state.edu!uwm.edu!psuvax1!psuvm!ricevm1.bitnet!kossackb
From: KOSSACKB@RICEVM1.BITNET (Jordan Kossack)
Newsgroups: rec.ham-radio
Subject: Re: ICR1 and ICR100 costs
Message-ID: <1729KOSSACKB@RICEVM1>
Date: 31 Jul 90 12:00:54 GMT
Organization: Rice University ARC - W5YG
Lines: 27
Posted: Tue Jul 31 13:00:54 1990

On 27 Jul 90, henryb@hpspdra.HP.COM (Henry Black) said:
- So an R1 is about US$300 in Japan but about US$750 in Britain!
- Someone is ripping someone off.

Can you say 'import taxes' ???
I thought you could.

Seriously though, what do you expect from the British Gov't? After all, their income taxes are even higher than here in the States. I never understood how the VAT (Value Added Tax) adds value to an object. Sure, it increases the retail price but not _value_ . . .

"Just say no to taxes."   - R. Reagan

--**--   --**--   --**--

Post Scriptum: Thanks to everybody who sent suggestions on HTs.
For those interested, the general consensus was to
get the Yaesu FT-470. I'll be picking one up this
weekend, although it is a little bit smaller than
I would prefer. Again, tnx es 73.

```
-------
Jordan Kossack  |  N5QVI   |                Student Staff
----------------+----------+  Office of Networking and Computing Systems
KOSSACKB@RICEVM1.RICE.EDU  |        Rice University  Houston Texas
```

From 3801827096027969063
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a63731825fb8a076,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 05:34:39 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!bridge2!mips!dimacs.rutgers.edu!aramis.rutgers.edu!rutgers!cs.utexas.edu!tut.cis.ohio-state.edu!pt.cs.cmu.edu!andrew.cmu.edu!paul+
From: paul+@andrew.cmu.edu (Paul J. Dujmich)
Newsgroups: rec.ham-radio
Subject: TS-940S Software
Message-ID: <oahLfTy00WBKM0mlxT@andrew.cmu.edu>
Date: 31 Jul 90 12:34:39 GMT
Organization: Computing Systems, Carnegie Mellon, Pittsburgh, PA
Lines: 8
Posted: Tue Jul 31 13:34:39 1990

Does anyone have the IBM pc software for a Kenwood TS-940. I would like to look at it to see what it's like before I buy the computer interface for my 940. Please email to: paul@andrew.cmu.edu

Thanks

Paul
WA3TLD

From 4581772612547777454
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 06:13:20 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!usc!elroy.jpl.nasa.gov!ames!haven!decuac!shlump.nac.dec.com!ryn.esg.dec.com!ultnix!taber
From: taber@ultnix.enet.dec.com (Patrick Taber)

Newsgroups: rec.ham-radio
Subject: Re: extra exam matter Re: Qualification-based licensing
Message-ID: <2369@ryn.esg.dec.com>
Date: 31 Jul 90 13:13:20 GMT
References: <10528@crdgw1.crd.ge.com> <10437@crdgw1.crd.ge.com>
<900724-020327-19183@Xerox> <38845@cci632.UUCP> <16164@ucsd.Edu>
<38860@cci632.UUCP> <1096@ke4zv.UUCP> <38897@cci632.UUCP> <2359@ryn.esg.dec.com>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick Taber)
Organization: Murder Inc.
Lines: 55
Posted: Tue Jul 31 14:13:20 1990

In article <10528@crdgw1.crd.ge.com>, perley@galaxy (Donald P Perley) writes:

|> >|> Since they only apply to transmissions originating in space (not someone on
|> >|> earth using OSCAR), how many hams could these rules apply to?
|> >|>
|> >Easy question. They apply to all hams who are Extras. One of the privileges
|> >of being an Extra is permission to operate from space.
|>
|> Great. So I pass my exam, then write NASA that I want to operate from the
|> shuttle? These rules don't apply to all extras, only the those with the
|> means to launch a sattelite or get a ride on the shuttle.

Hey, having a Tech ticket means you can run a microwave mountain-topping
operation. Does that mean the FCC or some other agency is now responsible for
getting you up a mountain? Does the privilege of being trustee of a repeater
mean that someone has to give you a repeater? With an Extra ticket, you get the
privilege of being able to run a space operation without having to get a waiver.
If that's one of the privs, then there have to be SOME questions on the subject.
It doesn't matter if you never use the privilege -- you get it. (And, yes,
all the astronauts have gotten waivers for space operation but that doesn't mean
no Extras have used the privs -- the privilege was defined with an eye toward
satellite operation, and extras have put their callsigns on satellites.

|> Here is a more down-to-earth example. To get a ticket you have to pass
|> various exam elements with designations like 3e, 4a, etc. In a sense,
|> this affects every new ham. Once you get your license, those designators
|> have zero effect on whether you will operate your station legally.
|>
|> Supposedly the reason for the legal portion of the exam is to ensure
|> that you know the rules well enough to operate within the law. What
|> is the point of asking which designators are required for which class
|> license when there are practical questions that won't get in for lack
|> of room?

Another Extra privilege is being able to be a VE. You have to know something
about the tests you are going to administer. Again, it doesn't matter if you
personally don't intend to be a VE -- you get the privilege, so there have to be

questions covering that privilege.

Licenses aren't custom-crafted; you don't get to say, "I'll never use SSTV, but I will run 1,000 watts, but only on HF, and I'll never be trustee of a repeater -- make me a test." You're effectively licensed for life when you get your ticket, and there's no telling what you'll suddenly find attractive. If there's a privilege, there have to be corresponding questions just so the licensing authority can say the test corresponds to the

>>>==>PStJTT
Patrick St. Joseph Teahan Taber

My employer doesn't care what I think. I, in turn, don't care what you think. You probably don't care what my empolyer thinks. Thus is life a circle.

From 8541749318568549068
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fcec0b00cf50157,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 06:19:16 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!PUCC.PRINCETON.EDU!MEHARP01%ULKYVM
From: MEHARP01%ULKYVM@PUCC.PRINCETON.EDU (Michael Harpe)
Newsgroups: rec.ham-radio
Subject: ICOM R-1 and the ECPA
Message-ID: <9007311322.AA07324@ucsd.edu>
Date: 31 Jul 90 13:19:16 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: University of Louisville
Lines: 26
Posted: Tue Jul 31 14:19:16 1990

>>Stuff about UK purchase of ICOM R-1 deleted...

>I believe that the R1 and R100 are available everywhere except places
>where ICOM America Inc. is the importer. IMHO, ICOM America Inc.
>decided not to import them because they are great cellular telephone
>receivers. Look for the IC-R1A with the cellular telephone freqs.
>deleted.

Then why did they market the R-9000 and R-7000? I don't think ICOM gives one hoot about the ECPA, I think the Uniden story is a lot more credible. I would look for a Uniden/ICOM arrangement that allows sale of the unit here. If the gray market gets them in, Uniden may abandon the suit since it's pointless.

If I could get one gray market, i'd do it. $300 US for that radio is a steal!

Michael Harpe, N4PLE | BITNET: MEHARP01@ULKYVM

106B Ormsby Building | VOICE: 502-588-7785
University of Louisville | FAX: 502-588-5048
Louisville, KY 40292 | AURAL: "Mike!"

"Sir, there is a large multi-legged creature crawling on your shoulder"
                                                    - Spock

From -5503098515890874854
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6dd70594c00b6d1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 06:26:35 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!swrinde!ucsd!rutgers!mephisto!prism!gp310ad
From: gp310ad@prism.gatech.EDU (ROBERT DUCKWORTH)
Newsgroups: rec.ham-radio
Subject: Re: ICR1 and ICR100 available ex-st
Message-ID: <12033@hydra.gatech.EDU>
Date: 31 Jul 90 13:26:35 GMT
References: <672@dg.dg.com> <30500633@ux1.cso.uiuc.edu>
Organization: Georgia Institute of Technology
Lines: 10
Posted: Tue Jul 31 14:26:35 1990

The RZ-1 Kenwood DIN format in dash scanner is readily available and
covers cellular. Why should the pocket model be treated differently?
BTW. I would be interested in trading my RZ-1 on the pocket model.
Bob

--
ROBERT DUCKWORTH
Georgia Institute of Technology, Atlanta Georgia, 30332
uucp: ...!{allegra,amd,hplabs,ut-ngp}!gatech!prism!gp310ad
Internet: gp310ad@prism.gatech.edu

From 3584763658040301289
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3345d282f9270f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 07:10:16 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Spread Spectrum Repeaters - Technical
Message-ID: <1105@ke4zv.UUCP>
Date: 31 Jul 90 14:10:16 GMT
References: <2770@anasaz.UUCP> <1990Jul26.221020.24603@bellcore-2.bellcore.com>
<2779@anasaz.UUCP> <2780@anasaz.UUCP> <1102@ke4zv.UUCP> <2797@anasaz.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 63

Posted: Tue Jul 31 15:10:16 1990

In article <2797@anasaz.UUCP> john@anasaz.UUCP (John Moore) writes:

> Point well taken. However, your 100,000 watt TV transmitter is not
> protecting sensitive receives just outside the passband. How much
> are your sidebands reduced? 60 dB? That's just not enough for
> the case we are talking about. 2% linearity is nowhere near
> good enough - I'll bet your linearity is much better than that.
>
> Remember, when we talk 100dB range attenuation, we are getting
> into tough stuff. Your SAW probably leaks more than that - what is
> the passband vs. stopband attenuation of it? Add to that nonlinearities,
> AND wideband noise, and you may still have a problem if you are operating
> in the amateur 440 band (or 2 meter) and trying to protect other services
> in the 450 band (or 150). Finally, one reason for pass cavities is
> that transistor amplifiers do radiate significant broadband noise, even
> if unmodulated. When we put a pass cavity on an FM repeater, we lower
> the site noise significantly. Leaving out that protection means that
> the broadband noise is a problem. Of course, I guess we could use
> tubes...

Well lets review for a moment. We are discussing protecting a narrow band commercial receiver just outside an amateur band from the emissions of an amateur spread spectrum transmitter. Let's examine a worse case. Assume another amateur system inside the amateur band. Now with a SS transmitter spreading a 20khz voice signal over 20Mhz, one one thousandth of the total power of the SS transmitter will appear in the passband of the narrow receiver. That's a 30db decrease. Now move the receiver outside the band and use a SAW filter on the SS transmitter that has ONLY 60db of stopband. Total power into the receiver will be more than 90db down from the total power of the SS transmitter. If the SS signal is reasonably clean and keeps it's intentional radiation inside the amateur band and the narrow band receiver has any front end filtering at all, we should see better than 100db isolation. This looks pretty good. As for wideband noise generated in the final amplifier, we do use tubes. :-)

As a practical example let's take the Grapes 56k modem. With it's tapped shift register randomizer, it can be considered a somewhat narrow (70khz) spread spectrum source. On one of our sites we have one mounted in the same rack with a narrow band receiver operating 300khz away from it's channel center. We haven't noticed any desense or intermod to the narrowband equipment. We did wind up adding a cavity to the output of the modem, but that was because the narrow band equipment was desensing our modem enough we couldn't copy a weak signal from one of our other modem links.

Now if the SS system is running a lot of power and the narrow receiver is trying to maintain a -140dbm noise floor, THEN we've got a problem. I wouldn't recommend a SS site be colocated with a moonbounce array. Most commercial sites typically want a microvolt or two at their receiver and most proposed amateur SS equipment will run modest

power. I don't think there will be any problems at a well engineered
site. No doubt there will be problems at many of the poorly
engineered sites that I have had the misfortune to use however.
One particular site that I am thinking of has 200 transmitters on
about 2 acres of mountaintop and the best engineered equipment on
the site is in the two amateur installations. We're talking unshielded
cabling, unshielded racks, unshielded PAs(!), mobile units pressed
into repeater service, and even Radio Shack coax on UHF equipment.
With those kinds of problems, they're not going to notice a SS
transmitter.

Gary

From 6967177637291458001
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,167875ac35f20dc4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 07:19:48 PST
Path: gmdzi!unido!mcsun!uunet!ncrlnk!ncrstp!npdiss1!montague
From: montague@npdiss1.StPaul.NCR.COM (John Montague)
Newsgroups: rec.ham-radio
Subject: Re: ITU Code Requirement
Message-ID: <143@npdiss1.StPaul.NCR.COM>
Date: 31 Jul 90 14:19:48 GMT
References: <13749@shlump.nac.dec.com> <939@ssc.UUCP>
Reply-To: montague@npdiss1.StPaul.NCR.COM (PUT YOUR NAME HERE)
Organization: StPaul
Lines: 9
Posted: Tue Jul 31 15:19:48 1990

In article <939@ssc.UUCP> you write:

>The CB radio service is not part of the Amateur Radio service.

Are you sure? There are more "CB" transmissions in the 28MHz cw band than in
the 11 Meter, oops - er "CB" band :-)

John Montague   montague@StPaul.NCR.COM   W0RUE@WB0GDB

From 6901031616196564668
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc07198dd56f7e99
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 07:30:06 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!cs.utexas.edu!ut-emx!trey
From: trey@ut-emx.UUCP (Trey Garlough)
Newsgroups: rec.ham-radio
Subject: Re: World Radiosport Team Championship
Message-ID: <34752@ut-emx.UUCP>
Date: 31 Jul 90 14:30:06 GMT

References: <31781@cup.portal.com> <5720075@hplsla.HP.COM>
Organization: The University of Texas at Austin, Austin, Texas
Lines: 15
Posted: Tue Jul 31 15:30:06 1990

In article <5720075@hplsla.HP.COM>, charlier@hplsla.HP.COM (Charlie Panek) writes:
> Seattle, I got to talk to some of the /WG contesters the morning after
> the contest. Guess what: they hardly worked any JA's at all..
>
> Charlie Panek (UUCP: hplabs!hp-pcd!hplsla!charlier)
> KX7L   (domain: charlier%hplsla@hplabs.hp.com)

It wasn't from lack of effort. I was in SE Asia during the World Games
thing and I heard zero, zilch, zippo North American stations during the
contest period (21-07Z I believe). I guess this means I don't get a
badge. *Sigh.*

Trey Garlough
Computation Center, University of Texas, Austin, Texas 78712
trey@emx.CC.UTEXAS.EDU (internet) (512-471-3241)

From 1234455585089695491
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 07:56:12 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: extra exam matter Re: Qualification-based licensing
Message-ID: <1106@ke4zv.UUCP>
Date: 31 Jul 90 14:56:12 GMT
References: <10437@crdgw1.crd.ge.com> <900724-020327-19183@Xerox>
<38845@cci632.UUCP> <16164@ucsd.Edu> <38860@cci632.UUCP> <1096@ke4zv.UUCP>
<38897@cci632.UUCP> <2359@ryn.esg.dec.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 25
Posted: Tue Jul 31 15:56:12 1990

In article <2359@ryn.esg.dec.com> taber@ultnix.enet.dec.com (Patrick Taber)
writes:
>In article <10437@crdgw1.crd.ge.com>, perley@galaxy (Donald P Perley) writes:
>|> I just started skimming through the ARRL extra study manual. It seems
>|> odd to me that they have as much as they do on space operation regulations.
>|> Since they only apply to transmissions originating in space (not someone on
>|> earth using OSCAR), how many hams could these rules apply to?
>|>
>Easy question. They apply to all hams who are Extras. One of the privileges
>of being an Extra is permission to operate from space. (Does the Shuttle count
>as a DXCC country?) Thus you are prepared for questions on these new privs
>in the study guide for Extra.

>

And the astronaut-hams who have operated from the Shuttle have had to get a waiver from the FCC because they aren't Extras.

And the hams on Mir got their licenses by radio because they weren't even hams before they arrived in space.

Both groups of space travellers have been very effective communicating over ham radio.

The requirement seems silly doesn't it?

Gary

From 1854873732721928905
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b44dd78fac4b23a7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 09:07:05 PST
Path: gmdzi!unido!mcsun!uunet!ncrlnk!ncrwic!encad!entec!kthompso
From: kthompso@entec.Wichita.NCR.COM (Ken Thompson)
Newsgroups: rec.ham-radio
Subject: Re: August QST
Keywords: technical batteries
Message-ID: <615@entec.Wichita.NCR.COM>
Date: 31 Jul 90 16:07:05 GMT
References: <1990Jul25.060520.25385@tandem.com> <17168@frog.UUCP>
<1990Jul28.065213.12029@Neon.Stanford.EDU>
<1990Jul29.060743.9570@bellcore-2.bellcore.com>
Reply-To: kthompso@entec.UUCP (Ken Thompson)
Organization: NCR Corporation, Wichita, KS
Lines: 11
Posted: Tue Jul 31 17:07:05 1990

There is also the small matter of the software to run the machine.
He sure did not have it published. Not even the (software) flows.

--
Ken Thompson   N0ITL
NCR Corp. 3718 N. Rock Road
Wichita,Ks. 67226 (316)636-8783
Ken.Thompson@wichita.ncr.com

From -7225647419744634661
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11f73b5dc073ff94
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-07-31 09:22:24 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!ucbvax!MBUNIX.MITRE.ORG!ptb
From: ptb@MBUNIX.MITRE.ORG
Newsgroups: rec.ham-radio
Subject: Re: Costs...
Message-ID: <9007311622.AA04987@mbunix.mitre.org>
Date: 31 Jul 90 16:22:24 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 111
Posted: Tue Jul 31 17:22:24 1990

In regards to your getting ahold of the hams when you need us, I assume that you are in the Cornell University area, and there are probably many hams there that handle traffic. You can find out who by having someone send a message to you, and then getting the address and/or phone number of the person who telephones you to deliver the message.
(If you dont know of anyone to start a message, please send me your address electronically, and I will send you one.)
Alternatively, you may have a ham club at Cornell, and could find someone through them. Hopefully, the hams have made themselves known to emergency agencies also, so the police, fire, Red Cross, and civil defense agencies can also call on the hams if the need arises.

One of the areas where your argument appears to be quite weak is in the initial response time frame for a widespread emergency. In this case, any "publicly available" resources will be completely saturated by all of the normal users wanting to get on. I am not trying to complain about the phone company or cellular industry here, but to depend on them 100% would be unwise.

It does not follow that adding more spectrum for these services will make them immune from saturation because of the economics of the design of the services themselves. It is simply not cost effective for any communication system to be designed to handle everyone getting on at once for any given coverage area (If they did this, the cost of the equipment would push the rates sky-high, and the competition would take over the business). An example in point is the telephone system. Ma Bell (or Pacific Bell, New England Telephone, etc.) only designs a fraction of the users to be able to get dial-tone service at once. The telephone land-lines could be 100% good, and still if everyone were to pick up the phone at once, people cant talk.

Not only that, but the human response to a problem is to try and get on the system to let people know that you are OK or to request aid. So the human response of the people compounds a capacity problem, with the result of not being able to get through.

In addition to the initial response time being the most problematic to landline telephone and cellular coverage, it is also the most crucial to emergency communications. The initial response period is the period where most of the direct help is provided regarding the immediate safety of life and property, such as: Evacuation notification, Rescuing folks who are trapped by floods, fires, and damaged buildings, Putting out fires, Getting people out of the way of a flood, Providing emergency shelter, food, and clothing, Shutting off energy supplies (gas, electricity) that could cause additional danger if left on in failed buildings, Preventing radioactive, chemical, or biological contamination of remaining food, water, and air, Determination of the extent of the emergency, etc. These are tasks which can not tolerate a "busy" signal, because lives will be lost or property severely damaged.

Once the above tasks are done (or sometimes mostly done), then people working at the disaster site start being concerned about health and welfare traffic, such as "How is my cousin who might have been in the affected area?"

Amateurs fill in the gap nicely. Most people are probably able to get at least a short-distance (VHF) radio going within the initial response time frame (each one fixing their own radio or antenna, rather than everyone waiting for a small team of technicians, who may be responsible for 30 or 40 sites, plus the communications lines or microwave links used to hook them together), and plans have been put in place in many areas to facilitate assisting the emergency agencies through emergency communications.

Now the emergency agencies have their own communications tools, spectrum, and procedures. Use of internal agency bandwidth solves many problems, but hams can help where (a) there is sufficient cross-agency traffic and the radios for the two agencies do not inter-operate (This is VERY COMMON - just a look at all of the differing police frequencies in the country is very convincing that they will probably NOT be able to communicate outside of their own boundaries), or (b) the agency's own radio system becomes overloaded with emergency traffic or inoperative due to the emergency itself.

That is the theory. On the practical side, this argument is also bourne out.

Hams have helped out in many disasters or problems every month, such as Hurricane Hugo in September 89, and the October 17 quake in Northern California, the Earthquake in Mexico City a few years back, etc.

There are also many that are unknown unless someone writes them up. These include the search for a missing girl in Billerica, the putting out of a particularly bad fire at the Naval Air Station in Whidbey Island, the Crash of Avianca Flight 52 in January, a severe ice storm in Feb 90 that knocked out phone, water, and electricity to several counties, etc.

Well, I hope that this has shed enough light on what value ham radio

can be in an actual emergency, and why the commercial providers will not be able to fill the total needs in the immediate response timeframe, that you will reconsider the implications of taking ham radio's bandwidth and giving it to cellular communications. If I personally were in charge of disaster planning for some geographical area, I would want to include hams in the emergency planning process to maximize the safety of lives and property.

Where there is a will, there is a way....

English: Peter T. Baldwin
Arpa: ptb@mbunix.mitre.org
Phone: (617) 271-7647 (days)
Snail Mail: Mitre Corp, MS K306, Burlington Rd, Bedford, Ma. 01730
Voice: Peter!

Disclaimer: These views do not necessarily represent the views of
          MITRE or its clients.

From 1509426010640070370
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6dd70594c00b6d1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 11:41:47 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!
zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!kline
From: kline@ux1.cso.uiuc.edu (Charley Kline)
Newsgroups: rec.ham-radio
Subject: Re: ICR1 and ICR100 available ex-st
Message-ID: <1990Jul31.184147.25445@ux1.cso.uiuc.edu>
Date: 31 Jul 90 18:41:47 GMT
References: <672@dg.dg.com> <30500633@ux1.cso.uiuc.edu>
Organization: University of Illinois at Urbana
Lines: 14
Posted: Tue Jul 31 19:41:47 1990

phil@ux1.cso.uiuc.edu writes:
>However if it does turn out they delete the cellular frequencies then
>I will certainly fuss, complain, and raise hell, and encourage everyone
>else to do the same.

My IC-24AT allows me to enter frequencies in the cellular band when I enable extended receive, but claims that the synthesizer won't lock up in that range. Since it locks up solidly just above this, in the 902MHz band, I wonder if it's just lying to me and was programmed not to allow reception at these frequencies by faking an unlocked synthesizer.

Charley Kline, KB9FFK, PP-ASEL   c-kline@uiuc.edu
University of Illinois Computing Services   (217) 333-3339

From -1486446899176395909
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3345d282f9270f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 12:16:14 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!hellgate.utah.edu!uplherc!hayduke!wright
From: wright@hayduke.slc.unisys.com (Bob Wright)
Newsgroups: rec.ham-radio
Subject: Re: Spread Spectrum Repeaters - Technic
Summary: More Complexity
Message-ID: <690@hayduke.slc.unisys.com>
Date: 31 Jul 90 19:16:14 GMT
References: <2770@anasaz.UUCP> <30500625@ux1.cso.uiuc.edu> <1990Jul28.012658.1398@bellcore-2.bellcore.com>
Organization: Unisys, Salt Lake City, Utah
Lines: 27
Posted: Tue Jul 31 20:16:14 1990

In article <1990Jul28.012658.1398@bellcore-2.bellcore.com>, karn@envy.bellcore.com (Phil R. Karn) writes:
>
> In article <30500625@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
> > If the the RATE of the stepping of the shift register is 1 Mhz, for instance,
> > then we will see peaks and valleys at that interval....
> > ... the information beyond 1 Mhz is redundant. Or maybe for some reason
> > you want the redundancy.
>
> No, you want to filter off everything beyond the first null. It's redundant.
> ...
>
> Phil

Actually, all you really *need* is either the upper or lower half of the main lobe, ala SSB. Periodically chipped BPSK (and QPSK, for that matter) exhibits phase periodicity at the chip rate (half the main lobe width). But.. the signal processing gets real ugly when you try to generate, transmit, receive, and then reconstruct such a beast. In an application of our type this would only be of interest in a very spectrum-limited situation.

Just in case someone cared...

Bob Wright, K7RW

wright@slc.unisys.com
or ...!giga!wright

From -2156908298934213146
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c1687312e470a66
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-07-31 13:14:10 PST
Path: gmdzi!unido!mcsun!uunet!fernwood!decwrl!shelby!unix!hplabs!hpcc01!hpbbn!hpbbrd!hpfcmdd!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: What to do with N0MFW?
Message-ID: <7880231@hpfcdc.HP.COM>
Date: 31 Jul 90 20:14:10 GMT
References: <7880194@hpfcdc.HP.COM>
Organization: HP Ft. Collins, Co.
Lines: 14
Posted: Tue Jul 31 21:14:10 1990

Thanks, y'all, for the suggestions posted and mailed. Nothing really wonderful popped out but I found a short list of possibles for various occasions. I guess the normal one will be "Mountain Friendly Wireless". "No mountain freeways" is a close second.

With lemons you make lemonade. With a lemon of a callsign I guess you make phonetics. :-)

> Oh, ya, my super-duper, hum-dinger call is -------> WB6WUI

Oh ecch. Uh, "Way Below Six Word Units per Inch"? "We Be Sexy, Whoo-Eee"? Good luck. :-)

Alan, N0MFW

From 8702378007716737606
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0274108d47be3d3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 13:17:08 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!swrinde!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!asuvax!mcdphx!citek.mcdphx.mot.com!hbg6
From: hbg6@citek.mcdphx.mot.com
Newsgroups: rec.ham-radio
Subject: Re:What to do with WB6WUI?
Message-ID: <13312@mcdphx.phx.mcd.mot.com>
Date: 31 Jul 90 20:17:08 GMT
Sender: listen@mcdphx.phx.mcd.mot.com
Reply-To: hbg6@citek.mcdphx.mot.com
Organization: Motorola Microcomputer Division, Tempe, Az.
Lines: 20
Posted: Tue Jul 31 21:17:08 1990
References:<3746@crash.cts.com>

In article <3746@crash.cts.com> mikey@pnet01.cts.com (Mike Shirley) writes:
>
>Oh, ya, my super-duper, hum-dinger call is -------> WB6WUI
>

With Undue Interest

White Underwear Inappropriate
Wonderful Under Ice
Will 'U' Impregnate
Wake Up Itchy
Want Unfanciful Intercourse
Wanting Upgrade Instantly
Wireless Until Impossible
Wife's Under Inflated
Wont Use Inductors

John

....
All opinions expressed are mine and not Motorolas, their loss.
....

From -3668640475563385981
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 14:00:26 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!e2big.mko.dec.com!shlump.nac.dec.com!carafe.enet.dec.com!goldstein
From: goldstein@carafe.enet.dec.com (Fred R. Goldstein)
Newsgroups: rec.ham-radio
Subject: Qualification-based licensing
Summary: in more detail
Message-ID: <14117@shlump.nac.dec.com>
Date: 31 Jul 90 21:00:26 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 214
Posted: Tue Jul 31 22:00:26 1990

QUALIFICATION-BASED LICENSING

The FCC's proposal to create a new no-code class of license may be a useful first step, but it does not go far enough towards addressing the problems with the American amateur licensing structure. The fundamental premise upon which licensing should be based has long been lost; the new proposal is an inadequate step towards reclaiming it.

When someone applies for a driver's license, the state tests them on both written knowledge (of the rules of the road) and practical skills required to drive a car. When someone applies for a private pilot's license, the FAA tests them on both written knowledge and practical skills required to fly an airplane. When someone applies for admission to the bar in order to practice law, the Bar Examiners test them on knowledge of the law. These candidates are not tested on repairing magnetos, celestial navigation and golf. They are tested on the skills required to safely and competently use the privileges granted.

Yet the amateur radio licensing debate has almost never even mentioned this fundamental concept. Instead of testing applicants on required skills and knowledge, applicants are expected to learn various the arcana of theory and (at least today) Morse Code. While some of these are directly relevant to the field of amateur radio, the actual license classes do not grant privileges in line with the tested skills. The current "incentive" licensing structure has become capricious, granting access to a public resource -- the spectrum -- based upon a general level of knowledge largely irrelevant to the privileges granted. Instead, privileges are granted as a reward for learning what the system believes should be learned. The spectrum has become a Merit Badge. Is this the type of structure that can withstand increasing scrutiny and pressure from other applicants for spectrum space?

I would like to propose, then, that once the dust settles on Docket 90-55, we readdress the entire licensing structure with an eye towards making amateur radio more attractive to newcomers, while ensuring that the airwaves are only open to those who, like pilots in the sky, have demonstrated the requisite competence to use them as they do. This means that licensing should be simpler, both in structure and in requirements. But not only the requirements to obtain licenses, but the privileges granted to licensees, should be revamped.

The present proposal (FCC 90-55) seeks to reassure the existing amateur community that all existing privileges will be retained. This is a politically useful goal for the short term, but it stifles any possibility of creative change. Are we willing to allow a few privileges to be taken away from some amateurs, in exchange for others? If we think not, then what if it is necessary in order to create a positive growth rate, as may be needed to preserve our spectrum?

Amateur Radio should be inclusive, not exclusive

Much of the support for a no-code license seems tempered with a twinge of guilt: No-code is only acceptable, many of us have said, if it is accompanied by a more difficult theory examination. This seems to be a defensive view, designed to defend against claims that we are "giving away" too much, or opening up our bands to the "riff raff". Visions of the eleven meter mess are invoked, as if the only difference between CB and ham radio were the code.

But it is wrong to condemn CB! While only a few hundred thousand Americans hold amateur licenses, several million are squeezed onto forty channels, forced to use AM emission, with sporadic-E skip adding to the chaos. It only takes a few bad apples with illegal power and zero courtesy to create a mess. Does this mean that everyone on that band is bad? Is everyone in a neighborhood guilty of the crimes of one neighbor? Of course not. CB was destined for chaos by its poor design. Millions of CBers are well-mannered and desire the same kind of orderly bands that we like to imagine that we have (although that claim is often hard to justify). They just aren't given an adequate opportunity to join us.

I propose that we replace our current "incentive" licensing structure with a more modern "qualification" based system. The premise is simple: Each license class can be achieved by demonstrating the knowledge required to use the privileges it grants, no more, no less. This is only tempered by the expediency of keeping the structure simple and thus limiting the number of classes.

Just as we had only three classes during the 1950s and early 1960s, when amateur radio had it biggest growth years, we can survive on three basic classes today. They just need to be modernized -- radio isn't what it was in 1950, or in 1966 when Incentive Licensing was decided.

Entry-level requirements

An entry-level license is a marketing tool. It should be easy enough to earn that potential applicants are not repelled, yet should be difficult enough to guarantee that its privileges are understood. The traditional definition of the Novice written examination seems to be proper: Amateur radio regulations and sufficient theory to understand them. Not an engineering degree. Not advanced mathematics. Not digital communications expertise. Just enough theory to understand how to operate an amateur radio station within the rules. This Novice examination should include basic operating practices, simple electronics (Ohm's law, electrical safety, etc.), and relevant regulations. The number of questions is irrelevant if the pool is large enough, but a 30-question multiple choice examination seems about right.

The existing Novice privileges are not selling. Thirty years ago, the ability to "work the world" on the HF bands was a selling point, but today it's possible to dial up a telephone call to Paris or Sydney. CB and cellular telephones have taught people that chatting on a radio can be fun. This type of activity is mostly on the VHF bands. So the entry-level ticket can be a VHF license, like the proposed Communicator, and of course should be codeless. It should be easy, because it serves a marketing function, and relevant to the privileges earned. Start with the current Novice written exam, modified for more VHF emphasis. And stop before it gets harder!

These licensees should not be "ghettoized" in narrow bands where they are not exposed to mainstream amateurs. The Novice-level license should be allowed on all VHF and UHF bands, especially the popular FM and digital frequencies. They should not be allowed to operate in the small areas used for weak-signal operation, which requires a higher degree of skill. But how much theory does it take to operate an FM transceiver? Not much. Qualification-based licensing reflects that. It also means that a Novice, with little knowledge of the dangers of VHF power, should be limited in power. The current Novice limits seem sensible -- 5 watts on microwaves (902 and up) is plenty, while somewhat higher power levels are adequate for most voice and packet operation. Modes should also be unrestricted; a Novice should be allowed to use any mode that is permissible within the authorized frequencies. This does not include the right to own a repeater.

Does the entry-level ticket need HF privileges? Perhaps, but here we can see some reasoning for requiring the code. A no-code Novice can thus be granted HF privileges (say, the current Novice ones) for passing a 5 WPM code test. The FCC can simplify this by using a CSCE process, so long as the applicant need not use the suffix (i.e., /KN) after the FCC has been given sufficient time to update its records to reflect the endorsement (say, 30 days).

General license

The next license will grant general HF privileges, so it can be called the General. Morse code is less important today than it used to be, so a 5 WPM code test is adequate -- if someone wants to use CW, they'll learn to go faster! The General written exam should be harder than the Novice, as it needs to cover more HF propagation, additional operating procedures, and more theory needed to understand these additional privileges. Today's Technician and General exams have the right idea, though it seems unnecessary to have separate VHF and HF elements. Let's go back to the level of the 1960's Technician exam, which had the General written exam and a 5 WPM code test. Current Technician and General licensees can be merged into this one class, further simplifying the system.

What privileges does this new General earn? With a modest technical background but a general understanding of the Amateur service, all bands and all modes seem appropriate. But almost every country that has multiple license classes, outside of the United States, recognizes that high power operation requires a higher degree of knowledge and skill. The General can thus be power-limited to, say, 250 watts PEP output, after a transition period. But it gains larger sub-bands, today's Advanced level, in return.

One higher class

A few sub-bands may still be reserved for the highest class. Again two existing classes can be merged here. The misbegotten Advanced, created for the 1966 Incentive Licensing program, can be merged with the Extra. This can be earned via the current Advanced examination (13 WPM with additional theory beyond the General); all existing Advanced licensees thus gain Extra privileges. In addition to the right to run maximum legal power, the top class can still have some small sub-bands reserved for it, along the lines of today's Extra bands. The higher code speed is, after all, relevant to the type of DX operation pursued in the Extra sub-bands; the greater theory is relevant to high-powered operation.

Perhaps an "Extra" license class can be preserved, complete with a 20 WPM code test. But it needn't be the FCC's! In reality, the top rung of the Incentive Licensing ladder is more of a Merit Badge than a credential. Perhaps the ARRL or some other organization can give it out as an earned award, valued for bragging rights and wallpaper value, just as it was before 1967. And if call sign assignment is ever privatized, the Extra holders can stand on the front of the line.

The names of some licenses may need to be addressed too, to avoid inappropriate connotations. "Novice" implies temporary. But it no longer is temporary, and an entry-level license need not be. If you're qualified, you're qualified! "Communicator" carries baggage of its own. And what about the Morse-endorsed version? Novice Plus? It may be close to today's Technician in privileges, but when that name was introduced in the 1950s, it was meant to imply that its holders were well versed in the arcana of then-obscure VHF lore. In some countries, a codeless VHF ticket is called "Class B". This or some other neutral name may be most appropriate for the entry-level ticket. An endorsed one can be nicknamed "B Plus". (Maybe old tube fans will get a charge out of it.) "General" and "Advanced" are sufficiently neutral terms to keep for the higher classes.

In summary, we end up with three and a half license classes:

1) Class B - No code, easy test. Most VHF privs, power-limited.
1.5) Class B + 5 WPM - Class B plus current Novice HF privs.
2) General - 5 WPM plus General written test. 250W, all bands except current Extra sub-bands.
3) Advanced - 13 WPM plus Advanced written test. All privs.

Current Novices become Class B+, current Technicians get the General, and the Extra is grandfathered as a "merit badge" class.

This simplifies the licensing structure, puts privileges in line with the examinations, and provides a marketable entry-level license. Most current licensees gain privileges. The only major loss, to today's General and Technician classes, is to the power limit, and both gain frequencies in return. Incentive Licensing was a disaster. Perhaps Qualification-based licensing can begin to undo the damage.
fred k1io

Fred R. Goldstein goldstein@carafe.enet.dec.com
or goldstein@delni.enet.dec.com
voice: +1 508 486 7388

From 3970525538447091444
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e1ae081bdcbd4a49,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 14:23:55 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!fernwood!synopsys!rengland
From: rengland@synopsys.com (Rick England)
Newsgroups: rec.ham-radio
Subject: Radio Control
Keywords: RC, Radio Control
Message-ID: <565@synopsys.COM>
Date: 31 Jul 90 21:23:55 GMT
Organization: Synopsys, Inc. Mountain View, CA USA
Lines: 12

Posted: Tue Jul 31 22:23:55 1990

Does anyone have experience using the 6 meter ham band
for radio control boats or aircraft? I know there are
some freqs like 50.1 50.2 etc that we can use. Can
manufacturers of this equipment be easily found?

Please reply via Internet email.

Thanks, 73 de Rick

Internet address: rengland@synopsys.com
:

From 4709455924538890058
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c1687312e470a66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 14:29:28 PST
Path: gmdzi!unido!mcsun!uunet!fernwood!decwrl!shelby!unix!hplabs!hpcc01!hpbbn!hpbbrd!hpfcmdd!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: What to do with N0MFW?
Message-ID: <7880232@hpfcdc.HP.COM>
Date: 31 Jul 90 21:29:28 GMT
References: <7880194@hpfcdc.HP.COM>
Organization: HP Fort Collins, Co.
Lines: 3
Posted: Tue Jul 31 22:29:28 1990

> Oh, ya, my super-duper, hum-dinger call is -------> WB6WUI

While Under Investigation.   Sorta fits with the bootlegging thing :-)

From 2152412387626798373
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1cde0d2667774611
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 14:40:36 PST
Path: gmdzi!unido!mcsun!uunet!fernwood!decwrl!shelby!unix!hplabs!hpcc01!hpbbn!hpbbrd!hpfcmdd!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: battery questions
Message-ID: <7880233@hpfcdc.HP.COM>
Date: 31 Jul 90 21:40:36 GMT
References: <22480009@hpcuha.HP.COM>
Organization: HP Fort Collins, Co.
Lines: 14

Posted: Tue Jul 31 22:40:36 1990

Re: NICAD CELL CHARACTERISTICS

I've heard a theory that "memory" is the product of two modes of misuse - not completely discharging the cell, then overcharging the cell. While not disagreeing with an excellent article, I'm offering another remedy for vanquishing the "memory effect": don't overcharge to the point that it heats up the cell.

I'm not particularly attached to this theory, and wouldn't mind hearing substantiating or contrary evidence. Note that most commercial cell-boilers with Temp Cut Off thingies overcharge a cell.

Perry Scott
KF0CA

From -1052420631152289423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6dd70594c00b6d1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 15:13:07 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!kline
From: kline@ux1.cso.uiuc.edu (Charley Kline)
Newsgroups: rec.ham-radio
Subject: Re: ICR1 and ICR100 available ex-st
Message-ID: <1990Jul31.221307.2447@ux1.cso.uiuc.edu>
Date: 31 Jul 90 22:13:07 GMT
References: <672@dg.dg.com> <30500633@ux1.cso.uiuc.edu>
<1990Jul31.184147.25445@ux1.cso.uiuc.edu>
Organization: University of Illinois at Urbana
Lines: 21
Posted: Tue Jul 31 23:13:07 1990

kline@ux1.cso.uiuc.edu (I) write:
>My IC-24AT allows me to enter frequencies in the cellular band when I
>enable extended receive, but claims that the synthesizer won't lock up
>in that range. Since it locks up solidly just above this, in the 902MHz
>band, I wonder if it's just lying to me and was programmed not to allow
>reception at these frequencies by faking an unlocked synthesizer.

Since this made the rounds I've gotten several pieces of mail from people whose 24AT's WILL lock up in those frequencies. Mine must be a funny one, I guess. My hypothesis that the 24AT might be programmed to not receive the cell band was reinforced by the fact that mine also loses lock at EXACTLY 451.00MHz and regains it at EXACTLY 500.00MHz, thus very elegantly excluding the UHF public service (i.e. police) frequencies.

Obviously I'm wrong and my radio is just being fascist all by itself. Thanks for the corrections.

Charley Kline, KB9FFK, PP-ASEL c-kline@uiuc.edu
University of Illinois Computing Services (217) 333-3339

From -5511503146590475549
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3345d282f9270f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 15:47:10 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!hellgate.utah.edu!uplherc!giga!wright
From: wright@giga.slc.unisys.com (Bob Wright)
Newsgroups: rec.ham-radio
Subject: Re: Spread Spectrum Repeaters - Technic
Summary: oops
Message-ID: <691@giga.slc.unisys.com>
Date: 31 Jul 90 22:47:10 GMT
References: <690@hayduke.slc.unisys.com>
Organization: Unisys, Salt Lake City, Utah
Lines: 26
Posted: Tue Jul 31 23:47:10 1990

In article <690@hayduke.slc.unisys.com>, I blurted:
>
> Actually, all you really *need* is either the upper or lower half of the
> main lobe, ala SSB. Periodically chipped BPSK (and QPSK, for that matter)
> exhibits phase periodicity at the chip rate (half the main lobe width).
> But.. the signal processing gets real ugly when you try to generate,
> transmit, receive, and then reconstruct such a beast. In an application of
> our type this would only be of interest in a very spectrum-limited
> situation.
>

I may have said something misleading there in my $.02 worth.

What I said is true for BPSK because the amplitude of the spectrum
is symmetric about the carrier. Thus, with symmetric amplitude and
periodic phase, half the main lobe gives you everything. QPSK, while
having the same phase period, does not necessarily have symmetric
amplitude. You still need the whole main lobe for that. :-[

Possible application: additional diversity. If your main lobe is too
junked up by all those spectral co-users, then maybe one half of the main
lobe, by itself, is OK.

Bob Wright, K7RW

wright@slc.unisys.com
or ...!giga!wright

From 2086770897124070906
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,9c1687312e470a66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 18:24:21 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!portal!cup.portal.com!Jeepster
From: Jeepster@cup.portal.com (John L Ferguson)
Newsgroups: rec.ham-radio
Subject: Re: What to do with N0MFW?
Message-ID: <32302@cup.portal.com>
Date: 1 Aug 90 01:24:21 GMT
References: <7880194@hpfcdc.HP.COM> <1250206@hpnmdla.HP.COM>
Organization: The Portal System (TM)
Lines: 4
Posted: Wed Aug 1 02:24:21 1990

You all are doing so good with those others, how about some for KB0HBX?
That "X" is driving me nuts!

John   KB0HBX

From -7244792251271908368
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe1482054b817262
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 19:34:32 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!
ceres.physics.uiowa.edu!zaphod.mps.ohio-state.edu!usc!rutgers!cmcl2!sbcs!
ameristar!rick
From: rick@ameristar (Rick Spanbauer)
Newsgroups: rec.ham-radio
Subject: Re: Cellular telephone as emergency service?
Message-ID: <1990Aug1.023432.11104@ameristar>
Date: 1 Aug 90 02:34:32 GMT
References: <1990Jul20.175844.8030@ariel.unm.edu>
<1990Jul21.164302.19756@ameristar> <607@entec.Wichita.NCR.COM>
Organization: Ameristar Technology, Inc
Lines: 18
Posted: Wed Aug 1 03:34:32 1990

In article <607@entec.Wichita.NCR.COM> kthompso@entec.UUCP (Ken Thompson) writes:
>I find it interesting that Rick Spanbauer measures spectrum in dollars.

Were it only Rick Spanbauer that measures spectrum in dollars
rather than mHz, there wouldn't be much to pine over would there?

Some notable quotes from the Business Week article (July 23rd issue)
were that ".. the While House still advocates selling off spectrum..",
and that FCC chairman Sikes ".. favors auctions for virgin spectrum..".
Do you still find my personal views interesting? My position is simply
that freebies promote inefficiency/waste. And that competition will
serve to deliver better services, at lower cost, that are useful to
more of the public. If this implies spectrum auctioning, I support
it.

>Ken Thompson   N0ITL

Rick Spanbauer WB2CFV

From 4811415798223799270
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe1482054b817262
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 20:30:48 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!jarthur!ucivax!orion.oac.uci.edu!ucsd!sdd.hp.com!hplabs!hpl-opus!hpnmdla!hpsad!mikew
From: mikew@hpsad.HP.COM (Mike Weihman)
Newsgroups: rec.ham-radio
Subject: Re: Cellular telephone as emergency service?
Message-ID: <1530050@hpsad.HP.COM>
Date: 1 Aug 90 03:30:48 GMT
References: <1990Jul20.175844.8030@ariel.unm.edu>
Organization: HP Signal Analysis Division - Rohnert Park, CA
Lines: 59
Posted: Wed Aug 1 04:30:48 1990

> From: ee5391aa@hydra.unm.edu (Duke McMullan n5gax):

> So what really happens? Can anyone in the Bay area tell us what happened on
> the cellular links during the big shakeup a while back? Some of you must
> KNOW what happens to the cellular services in these situations. Would
> you be willing to share your tales?

As I remember, the cellular system was operating, although overloaded and slow like the rest of the network.

However, cell phones are not a good choice for use in a widespread emergency anyway, especially around the SF Bay Area. Why?

1) If one is making a call from a cellphone to another cellphone in the same cell, the signal is routed only through that cell site repeater. But if the call is to ANY other cell or to ANY wireline telephone, and this means the vast majority of calls, then the signal is routed to cellsite #1, then to the cell hub either by microwave link or by phone trunk, then to the wireline network or to cellsite #2, as appropriate. That's a bunch of places to fail; probably more than if the call went twisted pair the whole way.

   If the cell hub CO goes down (or the uwave dish is thrown out of aim), all the users of that whole system are out of luck. If a cell site fails or loses a tower, you'd have to find a working cell somehow and hope it wasn't swamped.

2) There are two cellular providers in the bay area, as for other places too. I have heard (from someone whose job is to care about

these things) that both the system hubs are in places that are not considered seismically safe: one is on an upper floor of an old building in Oakland, and the other is in a liquefaction zone somewhere else in the east bay, from what I understand.

3) As has been pointed out before, these people are not in the game for public service. They are in for PROFIT. The law of that game states that service in adverse conditions is fit to be provided only if the revenue to come from it times the chance of it happening is greater than the cost of preparing for it. Does an earthquake-tolerant cell phone system qualify for this? Probably not for a big shaker, I would guess.

-mike

****
Mike Weihman   n1dje: RACES, CDF-VIP
mikew@hpsadmjw.hp.com
mikew%hpsad@hp-sde.sde.hp.com

Hewlett-Packard Co.   Volunteer firefighter/EMT
Signal Analysis Division   Penngrove Fire Prot. Dist.
1212 Valley House Drive   Penngrove, CA
Rohnert Park, CA 94928
(707)794-4454
****

From 3238446621964235491
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6dd70594c00b6d1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 20:41:00 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: ICR1 and ICR100 available ex-st
Message-ID: <30500635@ux1.cso.uiuc.edu>
Date: 1 Aug 90 03:41:00 GMT
References: <40506@mips.mips.COM>
Lines: 17
Nf-ID: #R:mips.mips.COM:40506:ux1.cso.uiuc.edu:30500635:000:811
Nf-From: ux1.cso.uiuc.edu!phil   Jul 31 22:41:00 1990
Posted: Wed Aug 1 04:41:00 1990

> Come on, the R7000 will do a dandy job with cellular. Why would
> Icom refuse to bring in the R1 on that basis. I keep hearing that
> there is a patent infringement issue involving Uniden that is the

> "real" reason that they are not being imported.

COME ON... the R7000 went on the market before all the fuss started
about being able to receive cellular on wideband scanners. I would
bet Icom has not had a production run of R7000's in a few years, and
probably never will again.

I'd much rather they crank out some IC-3GAT's, IC-338's, and that
all magical whizbang 28/50/144/220/420/902/1240 Mhz multi-mode HT.
                                    ^

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 2316854053655037728
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fcec0b00cf50157
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 20:44:00 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: ICOM R-1 and the ECPA
Message-ID: <30500636@ux1.cso.uiuc.edu>
Date: 1 Aug 90 03:44:00 GMT
References: <9007311322.AA07324@ucsd.edu>
Lines: 17
Nf-ID: #R:<9007311322.AA07324@ucsd.edu>:-29:ux1.cso.uiuc.edu:30500636:000:808
Nf-From: ux1.cso.uiuc.edu!phil   Jul 31 22:44:00 1990
Posted: Wed Aug 1 04:44:00 1990

> Then why did they market the R-9000 and R-7000? I don't think ICOM
> gives one hoot about the ECPA, I think the Uniden story is a lot more
> credible. I would look for a Uniden/ICOM arrangement that allows sale
> of the unit here. If the gray market gets them in, Uniden may abandon
> the suit since it's pointless.

The R-9000 is too expensive a radio for the cellular industry to get
worried over. They are more worried about "everyone" having receive
capability of cellular frequencies than in hos sophisticated the
receive capability in this band of a few.

The R-7000 is a pointless case, because it is probably out of production
forever now.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 2962318512799928101

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,925f4887d3178772
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 20:47:00 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: ICR1 and ICR100 costs
Message-ID: <30500637@ux1.cso.uiuc.edu>
Date: 1 Aug 90 03:47:00 GMT
References: <1729KOSSACKB@RICEVM1>
Lines: 13
Nf-ID: #R:<1729KOSSACKB@RICEVM1>:-22:ux1.cso.uiuc.edu:30500637:000:584
Nf-From: ux1.cso.uiuc.edu!phil   Jul 31 22:47:00 1990
Posted: Wed Aug 1 04:47:00 1990

> Seriously though, what do you expect from the British Gov't?
> After all, their income taxes are even higher than here in
> the States. I never understood how the VAT (Value Added Tax)
> adds value to an object. Sure, it increases the retail price
> but not _value_ . . .

It's a tax ON THE VALUE ADDED during any sort of process or
transaction that does raise the price. Aunt Margaret wants
her cut in EVERY STEP OF THE WAY.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 550920594700883329
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 21:12:00 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <30500638@ux1.cso.uiuc.edu>
Date: 1 Aug 90 04:12:00 GMT
References: <14117@shlump.nac.dec.com>
Lines: 20
Nf-ID: #R:shlump.nac.dec.com:14117:ux1.cso.uiuc.edu:30500638:000:1020
Nf-From: ux1.cso.uiuc.edu!phil   Jul 31 23:12:00 1990
Posted: Wed Aug 1 05:12:00 1990

> limited in power. The current Novice limits seem sensible -- 5 watts on
> microwaves (902 and up) is plenty, while somewhat higher power levels are

> adequate for most voice and packet operation. Modes should also be
> unrestricted; a Novice should be allowed to use any mode that is
> permissible within the authorized frequencies. This does not include the
> right to own a repeater.

I'd suggest between 25 and 50 watts for 50 through 450 Mhz, and 10 watts
up to 3 Ghz, and 1 watt above that. A major reason for this is simply
the plethora of rig models already in these power ranges.

Take note that the current Novice Enhancement privileges allow 5 watts
on 1270-1295 Mhz, but all the rigs are either 1 watt (HT's) or 10 watts.

rewrite: This does not include the right to own a repeater.
into: This does not include the right to operate a repeater.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 283945168220399978
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7af86dfe73bbb913
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7af86dfe73bbb913
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-31 21:13:20 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!sdcc6!bend!lbv
From: lbv@bend.ucsd.edu (Gordon Schlesinger)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: More ICOM IC-R1 Review
Message-ID: <12111@sdcc6.ucsd.edu>
Date: 1 Aug 90 04:13:20 GMT
References: <1990Jul26.001037.21586@portia.Stanford.EDU> <668@dg.dg.com>
Sender: news@sdcc6.ucsd.edu
Followup-To: rec.ham-radio
Organization: University of California, San Diego
Lines: 30
Xref: gmdzi rec.ham-radio:13478 rec.radio.shortwave:1725
Posted: Wed Aug 1 05:13:20 1990
Nntp-Posting-Host: bend.ucsd.edu

In article <668@dg.dg.com> uunet!dg!lewine (Don Lewine) writes:
>I have enjoyed the R1 a great deal. It fits inside my shirt pocket. I have
>used it to follow air traffic control when I fly in planes and I take it with
>me when I travel.
>
>I have used it to monitor cellular telephone and it does a good job of doing
>that. I was in Los Angeles this week and they seem to be using most of the
>available cellular bandwidth.
>
>
>   -- Don Lewine WB2UMF

Tsk, tsk, Don. As a ham you should know that using radio receivers within a commercial air transport (without permission of the pilot in command) is verboden by the FAA. Potentially dangerous to nav/com avionics on board.

A small chuckle once again, as yet another New Yorker/New Jersyite discovers that southern California really *is* a mobile society. Yes, we've used up all the cellular bandwidth, as well as *all* the available Land Mobile bandwidth below 1 GHz. Everybody out here has mobile two-way; about every third vehicle on our freeways has a non-broadcast antenna of some sort on it.

I truly wish the rest of the country believed us when we say that we know what massive spectrum congestion is all about.

Gordon Schlesinger, WA6LBV
lbv%bend@UCSD.edu

From 2022450587018790345
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 21:14:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <30500639@ux1.cso.uiuc.edu>
Date: 1 Aug 90 04:14:00 GMT
References: <14117@shlump.nac.dec.com>
Lines: 15
Nf-ID: #R:shlump.nac.dec.com:14117:ux1.cso.uiuc.edu:30500639:000:811
Nf-From: ux1.cso.uiuc.edu!phil   Jul 31 23:14:00 1990
Posted: Wed Aug 1 05:14:00 1990

> Does the entry-level ticket need HF privileges? Perhaps, but here we can
> see some reasoning for requiring the code. A no-code Novice can thus be
> granted HF privileges (say, the current Novice ones) for passing a 5 WPM
> code test. The FCC can simplify this by using a CSCE process, so long as
> the applicant need not use the suffix (i.e., /KN) after the FCC has been
> given sufficient time to update its records to reflect the endorsement
> (say, 30 days).

It probably won't simplify things since recording CSCE data like this is a new and different procedure they've never done before. It would probably be best to just have a distince class.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society

<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From -4253744218095156244
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 21:25:00 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <30500640@ux1.cso.uiuc.edu>
Date: 1 Aug 90 04:25:00 GMT
References: <14117@shlump.nac.dec.com>
Lines: 39
Nf-ID: #R:shlump.nac.dec.com:14117:ux1.cso.uiuc.edu:30500640:000:1940
Nf-From: ux1.cso.uiuc.edu!phil    Jul 31 23:25:00 1990
Posted: Wed Aug  1 05:25:00 1990
```

Here's where you've slipped up, Fred. I think I know you well enough to believe that you surely didn't intend this.

```
> In summary, we end up with three and a half license classes:
>
> 1)        Class B - No code, easy test.  Most VHF privs, power-limited.
> 1.5)      Class B + 5 WPM - Class B plus current Novice HF privs.
> 2)        General - 5 WPM plus General written test.  250W, all bands
>                 except current Extra sub-bands.
> 3)        Advanced - 13 WPM plus Advanced written test.  All privs.
>
>         Current Novices become Class B+, current Technicians get the
>         General, and the Extra is grandfathered as a "merit badge" class.
>
> This simplifies the licensing structure, puts privileges in line with the
> examinations, and provides a marketable entry-level license.  Most
> current licensees gain privileges.  The only major loss, to today's
> General and Technician classes, is to the power limit, and both gain
> frequencies in return.  Incentive Licensing was a disaster.  Perhaps
> Qualification-based licensing can begin to undo the damage.
```

So what do I need to do to earn high power privileges? I have to learn to learn something totally irrelevant to those privileges: Morse Code. Not only that, but I have to go up to 13 WPM.

I don't mind having a more technical exam to get high power privilege, and as a Tech now, I don't even mind having to go back and take a new written exam to regain it.

But I just cannot support something that requires me to pass a Morse Code test for ANY privileges that are not relevant to code, especially as they apply to frequencies above 50 Mhz.

Fred, I believe you're heading in the right direction with this, but just have stumbled with this particular one. Let's keep working on it, though.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 8077904573803076880
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3345d282f9270f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-31 22:51:48 PST
Path: gmdzi!unido!mcsun!uunet!convex!texsun!newstop!sun-barr!apple!usc!zaphod.mps.ohio-state.edu!ncar!noao!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Spread Spectrum Repeaters - Technical
Message-ID: <2812@anasaz.UUCP>
Date: 1 Aug 90 05:51:48 GMT
References: <2770@anasaz.UUCP> <1990Jul26.221020.24603@bellcore-2.bellcore.com> <2779@anasaz.UUCP> <2780@anasaz.UUCP> <1102@ke4zv.UUCP> <2797@anasaz.UUCP> <1105@ke4zv.UUCP>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 66
Posted: Wed Aug 1 06:51:48 1990

In article <1105@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
]Well lets review for a moment. We are discussing protecting a narrow
]band commercial receiver just outside an amateur band from the
]emissions of an amateur spread spectrum transmitter. Let's examine
]a worse case. Assume another amateur system inside the amateur band.
]Now with a SS transmitter spreading a 20khz voice signal over
]20Mhz, one one thousandth of the total power of the SS transmitter
]will appear in the passband of the narrow receiver. That's a 30db
]decrease. Now move the receiver outside the band and use a SAW filter
]on the SS transmitter that has ONLY 60db of stopband. Total power
]into the receiver will be more than 90db down from the total power of
]the SS transmitter. If the SS signal is reasonably clean and keeps
]it's intentional radiation inside the amateur band and the narrow
]band receiver has any front end filtering at all, we should see
]better than 100db isolation. This looks pretty good. As for wideband
]noise generated in the final amplifier, we do use tubes. :-)

Err... first of all, probably we are spreading at less than 1000:1 - certainly if we are on 2 meters. Second, if the SS system is radiating 100W ERP (not unreasonable power), we are looking at +50dBm. So, take your 100 dB of isolation, and you are looking at -50dBm of noise into your narrow receiver. That's a LOT of power! As I was pointing out, you need a large amount of isolation.
]

]As a practical example let's take the Grapes 56k modem. With it's
]tapped shift register randomizer, it can be considered a somewhat
]narrow (70khz) spread spectrum source. On one of our sites we have
]one mounted in the same rack with a narrow band receiver operating
]300khz away from it's channel center. We haven't noticed any
]desense or intermod to the narrowband equipment. We did wind up
]adding a cavity to the output of the modem, but that was because
]the narrow band equipment was desensing our modem enough we couldn't
]copy a weak signal from one of our other modem links.
]
Specifically, 70kHz is narrow enough to allow running it through a
cavity, which you did. That adds a lot of isolation. In fact,
running 56 kB through 70 kHz is nowhere close to "spread spectrum" -
you are running slightly over one bit per Hz. I would expect
real spread spectrum to be way down from that.
]Most commercial sites typically want a microvolt or two at their
]receiver and most proposed amateur SS equipment will run modest
]power. I don't think there will be any problems at a well engineered
]site. No doubt there will be problems at many of the poorly
Around here, more like .5 uV, which is -113 dBm, with site noise
around -118 to -122.
]engineered sites that I have had the misfortune to use however.
]One particular site that I am thinking of has 200 transmitters on
]about 2 acres of mountaintop and the best engineered equipment on
]the site is in the two amateur installations. We're talking unshielded
]cabling, unshielded racks, unshielded PAs(!), mobile units pressed
]into repeater service, and even Radio Shack coax on UHF equipment.
]With those kinds of problems, they're not going to notice a SS
]transmitter.
That sort of transmitter density is normal around here, but unfortunately
it is frequently the amateur who has the worst installation. We do our
best to combat this, through forest service inspections, and
coordination technical requirements.
]
]Gary

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From 5317462025887193783
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1cde0d2667774611
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 04:09:05 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!samsung!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio

Subject: Re: battery questions
Message-ID: <1107@ke4zv.UUCP>
Date: 1 Aug 90 11:09:05 GMT
References: <22480009@hpcuha.HP.COM> <7880228@hpfcdc.HP.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 16
Posted: Wed Aug 1 12:09:05 1990

In article <7880228@hpfcdc.HP.COM> ajs@hpfcdc.HP.COM (Alan Silverstein) writes:
>>> Run about 30A through it very briefly (about a second?)...
>> In which direction? The CHARGE direction or the DISCHARGE direction?
>
>In the CHARGE direction. My friend says he uses a 50KuF electrolytic
>capacitor as the controlled source.

********WARNING*****************WARNING*******************

This practice can be very dangerous. Take precautions and wear
safety glasses. I have seen capacitors explode when used in
this manner. I haven't personally seen a battery explode, but
I wouldn't be surprised if it happened. Now I do use this technique,
but please be careful.

Gary

From -5320490877538803599
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2a926091a204d70
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 04:27:53 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!elroy.jpl.nasa.gov!usc!zaphod.mps.ohio-state.edu!swrinde!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Solving the DXCC mess
Message-ID: <1108@ke4zv.UUCP>
Date: 1 Aug 90 11:27:53 GMT
References: <12280011@hpspdra.HP.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 34
Posted: Wed Aug 1 12:27:53 1990

In article <12280011@hpspdra.HP.COM> henryb@hpspdra.HP.COM (Henry Black) writes:
>In the August issue of 73 magazine Wayne Green, W2NSD, writes a column
>"Solving the DXCC mess" about how DXCC is aversely affecting ham radio.
>I quote " . . . the amateurs [living in rarer countries] have been
>virtually forced off the air by DXers. DXers, driven by the 'need' for
>a QSL won't permit amateurs in rare countries to enjoy relaxed contacts."
>He goes on about international ill will caused by the agressive tactics
>of some DXers.

>
>But surely these third world hams have the solution in their own hands, . .
>all they need do is to make it clear that they will QSL contacts made at
>the time, on the air, but will not send any cards out. The card
>collectors will soon lose interest in such stations and leave them free
>to those genuinely interested in DX (rather than awards) and/or ragchewing.

Unfortunately the word doesn't seem to get out to the DXers that a station does not play the DX game. Thus every time he gets on the air he becomes the victim of a pileup. This leaves a very bad impression with many operators and they QRT permanently. Since most of the rabid DXers seem to be US based, this gives the US a black eye.

Since DXing is a form of contest operation, restricting contacts that count toward awards to six contest weekends a year makes a lot of sense. The operator in a rare country can get on the air the rest of the year and enjoy his hobby in peace. Those who like to talk to distant places, as opposed to the contest style operators, will be able to work the rare ones in a meaningful way without the insane pileups.

Wayne has finally come up with a good idea. If this is implemented, I might even get back on HF more frequently. As you might guess, I am not a contest operator and enjoy actually talking with people in other lands.

Gary

From 8280337065385136220
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,19e586e1964766f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 04:44:45 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!PICA.ARMY.MIL!cfishman
From: cfishman@PICA.ARMY.MIL (Clark Fishman, FSAC-FCD)
Newsgroups: rec.ham-radio
Subject: HELP
Message-ID: <9008010744.aa22923@FSAC1.PICA.ARMY.MIL>
Date: 1 Aug 90 11:44:45 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Wed Aug 1 12:44:45 1990

I JUST GOT A HEATHKIT HW-7 AT A LOCAL HAMFEST.
IT HAS NO MANUEL AND ONLY PARTIALLY WORKS.
IF ANYBODY IN NETLAND HAS A MANUEL OR ANY
DOCUMENTATION ON THIS HF RIG I WILL BE GLAD
TO PAY FOR COPYING COST AND POSTAGE. TNX,

CLARK FISHMAN WA2UNN, P. O. BOX 150
ANDOVER, NJ 07821

PHONE: day 201 724-6041
night 201-852-7416

e-mail cfishman@pica.army.mil

From 4413620297521874769
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,870c7328c997b43a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-08-01 04:46:47 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!petunia!ucselx!bionet!apple!mips!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: Six-meter model control freqs
Message-ID: <9008011146.AA01146@cmr.ncsl.nist.gov>
Date: 1 Aug 90 11:46:47 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 17
Posted: Wed Aug 1 12:46:47 1990

<fernwood!synopsys!rengland@decwrl.dec.com (Rick England) > asks:

> Does anyone have experience using the 6 meter ham band
> for radio control boats or aircraft? I know there are
> some freqs like 50.1 50.2 etc that we can use. Can
> manufacturers of this equipment be easily found?

Whoa there..... The lower end of six is the province of the DXers.
For example 50.110 and 50.125 are SSB calling frequencies, and CW/SSB is
common up to at least 50.200 +.
If you value the health of your model, you will choose more conventional
model-control frequencies on 6. For example the ARRL Bandplan now talks
about 50.8 -51.0. Traditionally model control has been up in the 53 + region.

I can't suggest specific equipment, sorry.

Bob W3OTC 50 states, 67 countries, 6 continents on SIX

From -7346567478910378814
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7d84736530c1fb30,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-28 20:16:00 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: some 90-55 comment tidbits

Message-ID: <30500629@ux1.cso.uiuc.edu>
Date: 29 Jul 90 03:16:00 GMT
Lines: 188
Nf-ID: #N:ux1.cso.uiuc.edu:30500629:000:10928
Nf-From: ux1.cso.uiuc.edu!phil   Jul 28 22:16:00 1990
Posted: Sun Jul 29 04:16:00 1990

Here are some of my 90-55 comment tidbits:

In FCC Docket Number 90-55: [I use CAPITALIZING to highlight here]

    >   IV. PROPOSAL
    >
    >   15. We believe that the petitions have merit. Further, like
    > the petitioners, we believe that this is a propitious time to
    > propose the establishment of a codeless license, given the
    > advances in electronic communications in the past few years. We
    > propose, therefore, to establish a codeless class of amateur
    > operator license, the Communicator Class. With respect to this
    > proposed operator class, we have established three objectives.
>>>>> OUR FIRST OBJECTIVE IS TO OFFER AN ENTRY LEVEL LICENSE
>>>>> OPPORTUNITY TO ALL PERSONS WHO FIND THE TELEGRAPHY REQUIREMENT A
>>>>> BARRIER TO PURSUING THE PURPOSES OF THE AMATEUR SERVICE. Our
    > view is best expressed by the statement of the ARRL that "THE
>>>>> GOAL OF THE CODELESS AMATEUR LICENSE IS TO BRING SUCH LICENSEES
>>>>> IN TO THE 'MAINSTREEM' OF THE AMATEUR RADIO SERVICE, AND TO
>>>>> ENCOURAGE THEM TO UPGRADE THEIR LICENSE CLASS."(51) Our second
    > objective is to propose a type of license that can be implemented
    > quickly if a decision is made to proceed. Our third objective is
    > to avoid any negative effect upon current licensees, upon the
    > work of the volunteer examiners, or upon the Commission's

The above statement suggests that the Communicator class will be an ENTRY
level license class, but the PROPOSAL to remove the Technician class for
future licensing is a CONTRADICTION. To where is the Communicator expected
to upgrade?

    >   17. Operator license structure. In proposed Section 97.9,
    > we would incorporate the Communicator Class in a simplified
    > license structure containing four ascending steps: Communicator,
    > General, Advanced, and Amateur Extra Classes. Current Technician
    > and Novice Class operator licenses would be grandfathered
    > indefinitely. There would be no new licenses issued for those
    > license classes, but existing licenses could be modified or
>>>>> renewed. THIS APPROACH WOULD MEET THE OBJECTIVES WE ESTABLISHED
>>>>> IN PARAGRAPH 15. Dennis and Linda Welch, John McCord and SCATG
    > suggested preserving the five-step ladder by eliminating the
    > telegraphy examination requrement from the Novice class license.

The FCC has **NOT** establish any connection whatsoever between the
objectives in paragraph 15, and the concept of removing the Technician
or Novice license classes from future licensees. It has been suggested

this move is REALLY to reduce the burden on the FCC in processing upgrades. I say keep the TECHNICIAN class and remove some other class, or better yet just clean up the whole licensing structure.

```
    >     18.  For future licensees, the Communicator Class license
    > would be the first step in the license structure instead of the
    > Novice Class.  Our premise is that most newcomers to the service,
    > given the choice, would elect to qualify for the Communicator
    > Class license rather than the Novice Class license.  There would,
    > therefore, no longer be a need for the Novice Class license,  We
    > particularly invite instructors, volunteer examiners (VEs), and
    > VECs to submit comments on the validity of this premise,
    > including factual information on the time and effort that would
    > be required for persons to prepare tor the proposed 60 question
    > Communicator Class written examination as compared to the time
    > and effort currently required for the Novice Class 30 question
    > written examination and telegraphy examination.
```

The FCC **FAILS** to address the issue of what the NEXT STEP that new licensees will be expected to follow (if any).

```
    >     19.  Because the written examination for the Communicator
    > Class license would be more comprehensive than that of the
>>>>> Technician Class license, THE COMMUNICATOR CLASS WOULD ALSO SERVE
>>>>> IN THE STEAD OF THE TECHNICIAN CLASS FOR FUTURE LICENSEES.  Each
    > step in the proposed four step structure provides recognition
    > that the holder has significantly advanced his or her skill in
    > both the communication and technical phases of the radio art.(56)
    > This structure could be rapidly implemented.  The present license
    > application processing system and license application form would
    > continue to be used.(57)
```

The HIGHLIGHTED portions of paragraph 19 above and paragraph 20 below are in DIRECT **CONTRADICTION** !! The Communicator class CANNOT "serve in the stead of the Technician class" if it does not have ALL privileges above 30 Mhz as the Technician class now has.

```
    >     20.  Operator Privileges.  The proposed control operator
>>>>> PRIVILEGES OF THE COMMUNICATOR CLASS WOULD GENERALLY BE THOSE
>>>>> SUGGESTED BY THE ARRL.  The privileges would include all
>>>>> authorized emission types.  THE PROPOSED TRANSMITTER POWER
>>>>> STANDARD WOULD BE 200 WATTS PEAK ENVELOPE POWER.  The licensee's
    > station would be eligible for a Group D call sign.(58)  Stations
    > with Communicator Class control operators would not be permitted
    > to transmit on the 2 m and 6 m bands.  In view of ARRL's desire
    > to bring the codeless class into the mainstream of the amateur
    > service,(59) however, we particularly invite comment on the
    > effect of excluding Communicator Class licensees from these two
    > popular bands.
```

```
    >     21.  The ARRL stated that one premise for its petition was
    > that an accommodation should be made for codeless class licensees
```

> to upgrade their license class. It cited countries that have
> codeless licenses where the written examination tests the
> examinee's technical qualifications. The ARRL stated that
> amateur service societies in countries such as Australia, the
> Federal Republic of Germany, and Belgium report ongoing
> telegraphy activities among the codeless class licensees working
> to upgrade the license class.(60) While the proposed
> Communicator Class privileges include telegraphy on the 1.25
> meter and shorter wavelength bands, we recognize that telegraphy
> operation is more closely assiciated with the HF bands. The
> opportunity for newcomers to the amateur service actually to send
> and receive messages in the Morse code on small segments of the
> HF 80, 40, 15, and 10 meter bands is provided to the Novice and
> Technician Classes so that those operators can gain an
> appreciation of telegraphy tand acquire the proficiency needed to
> pass the telegraphy examination for the General Class operator
>>>>> license. WE SPECIFICALLY REQUEST COMMENTS, THEREFORE, CONCERNING
>>>>> THE DESIRABILITY OF INCLUDING THE OPPORTUNITY FOR COMMUNICATOR
>>>>> CLASS LICENSEES ALSO TO EXPERIENCE ON-THE-AIR TELEGRAPHY
>>>>> OPERATION ON THE HF BANDS. In view of our obligation under the
> provisions of the international Radio Regulations,(61) if it is
> desired, only domestic communications on the HF bands would be
> authorized.

If you add HF privileges to Communicator WITHOUT a code test, then what is the difference between that and just taking away the code test from the TECHNICIAN class requirements? NONE!

Not that such as a bad idea, but why both even creating Communicator. Just remove the code test from Technician and improve the written exam and stop there. We don't even need Communicator is this case.

>   22. Under proposed Section 97.301(g), a Communicator Class
> licensee who passes, or otherwise receives credit for a
> telegraphy examination, would be authorized the additional
> privileges of the Technician Class.(62) To avoid a license
> processing burden, however, the documentation of the passing of,
> or credit for, a telegraphy examination would be evidenced by the
> Certificate of Successful Completion of Examination (CSCE) issued
> by the administering VEs,(63) rather than by the issuance of a
> Technician Operator license. Theindicator used by the
> Communicator Class for identification purposes would be AC.(64)
> Under propsed Section 97.505(a)(1), VEs would be authorized to
> grant examination credit, evidenced by a CSCE, to a Communicator
> Class examinee for the slow speed telegraphy examination when the
> examinee holds a Novice Operator license.(65) That combination,
> Communicator Class license and CSCE, would permit the
> Communicator Class licensee the same rights and privileges of the
> Technician Class operator. The VECs would provide listings, in
> paper or magnetic for, of the Communicator Class licensees who
> have been issued the CSCE.

This would require the Communicator with code to constantly sign that annoying suffix **FOREVER**!!

In addition, there would be almost NO opportunity for other amateurs to verify the validity of a Communicator licensee using such an indicator on bands earned by passing only a code test.

I even suspect that the FCC doesn't even have the authority in the Communications Act to do this.

```
    >     23.  Volunteer examiners.  The instant proposal contains
    > substantive changes in the amateur operator license examination
    > procedure and the issuance of amateur operator licenses and
    > CSCEs.  All operator license examinations would be administered
    > under the VEC system.(66)  The additional task of administering
    > the Communicator Class would be offset by the elimination of
    > other tasks, included the discontinuance of the two-examiner
    > system for the Novice Class license.(67)  The coorination and
    > oversight by the VECs provide more credible results than does the
    > two examiner system.  In the latter, examination administration
    > errors are more common and cheating is a greater problem than in
>>>>> the VEC system.  THE TASK OF ADMINISTERING NEW TECHNICIAN
>>>>> OPERATOR CLASS LICENSES WOULD ALSO BE DISCONTINUED.(68)  The
    > Novice and Technician written examinations would no longer be
    > prepared and adminsisted as separate examinations.  The VEs and
    > VECs, moreover, coulb e reimbursed for out-of-pocket costs
    > incurred in connection with all examinations.(69)

>>>>> (68)  Some 10,000 to 15,000 persons qualify for the Technician
>>>>> Operator Class license annually.
```

Apparently the FCC wants to eliminate the workload involved here, but in so doing will be creating a class of outcasts who will perpetually be appearing to be waiting for a license to arrive.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From -1099461392636928617
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96ee905e28feb851,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-28 22:30:00 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!zaphod.mps.ohio-state.edu!
tut.cis.ohio-state.edu!mailrus!iuvax!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Another 90-55 GOTCHA
Message-ID: <30500630@ux1.cso.uiuc.edu>
Date: 29 Jul 90 05:30:00 GMT
Lines: 8
Nf-ID: #N:ux1.cso.uiuc.edu:30500630:000:364
Nf-From: ux1.cso.uiuc.edu!phil    Jul 29 00:30:00 1990
```

Posted: Sun Jul 29 06:30:00 1990

I have not seen this mentioned yet, but the FCC proposal 90-55, if adopted as is, would eliminate the 220-222 Mhz band IMMEDIATELY, rather than later on when service rules for land mobile services are adopted.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 928485232979965180
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,345a4206c31d0d83,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-28 22:59:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!usc!sdd.hp.com!hplabs!hpcc01!hpdmd48!ritchie
From: ritchie@hpdmd48.boi.hp.com (David Ritchie)
Newsgroups: rec.ham-radio
Subject: Re: How about a reality check on the "ghetto" concept?
Message-ID: <530017@hpdmd48.boi.hp.com>
Date: 29 Jul 90 05:59:52 GMT
References: <43282@apple.Apple.COM>
Organization: Hewlett Packard - Boise, ID
Lines: 6
Posted: Sun Jul 29 06:59:52 1990

Why would would anyone stay as a novice for long? The Tech theory pool is not that hard to memorize :^>.

Dave N4DJS

From 3909978965371021146
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b44dd78fac4b23a7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-28 23:07:43 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!samsung!cs.utexas.edu!rutgers!bellcore-2!thumper!karn
From: karn@thumper..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: August QST
Keywords: technical batteries
Message-ID: <1990Jul29.060743.9570@bellcore-2.bellcore.com>
Date: 29 Jul 90 06:07:43 GMT
References: <1990Jul25.060520.25385@tandem.com> <17168@frog.UUCP> <1990Jul28.065213.12029@Neon.Stanford.EDU>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)

Reply-To: karn@thumper.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 14
Posted: Sun Jul 29 07:07:43 1990

I think the aforementioned article would be better titled "A Microcomputer-Controlled NiCad-Battery DIScharger." If you look closely at the schematic, especially the interface between figs 1 and 2, you will note that there is no direct path between the constant current source and the battery, and furthermore the MOSFET pass transistor is bridged across the battery terminals.

I would also recommend heatsinking regulator U11, as its output is shorted directly to ground.

In other words, do not try to build this device from the QST schematic...

Phil

From 8955068292604943356
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3345d282f9270f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-28 23:17:28 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!samsung!cs.utexas.edu!tut.cis.ohio-state.edu!rutgers!bellcore-2!thumper!karn
From: karn@thumper..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Spread Spectrum Repeaters - Technical
Message-ID: <1990Jul29.061728.9654@bellcore-2.bellcore.com>
Date: 29 Jul 90 06:17:28 GMT
References: <2770@anasaz.UUCP> <1990Jul26.221020.24603@bellcore-2.bellcore.com> <2779@anasaz.UUCP> <2780@anasaz.UUCP>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 13
Posted: Sun Jul 29 07:17:28 1990

John,

You're quite right, protecting a nearby user on a frequency next to a spread spectrum transmitter could be difficult. I can't offer much advice since I don't have any actual experience with spread spectrum, but I can say that most of the systems I've read about seem to operate above 1 GHz and are not operated from fixed locations where EMI would be a problem.

Maybe somebody else out there can relate some practical experiences?

Phil

From -5843676282489370101
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e94575c2325fe0b7,start
X-Google-Attributes: gid10c9e3,public
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BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9007302142.AA24295@ucsd.edu>
Date: 29 Jul 90 06:18:21 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 363
Posted: Sun Jul 29 07:18:21 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

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- Current NASA Prediction Bulletins #725 -
Alouette 1
1 00424U 62B-A  1 90206.60997353  .00000117  00000-0  13133-3 0  3334
2 00424  80.4626 248.1917 0023412 170.2951 189.8651 13.67368457387946
ATS 3
1 03029U 67111  A 90205.51194492 -.00000075  00000-0  99999-4 0  3964
2 03029  13.2562  20.9188 0014056 205.3126 154.6640  1.00272697 83166
Cosmos 398
1 04966U 71 16  A 90206.34388824  .00041872  17414-4  23761-3 0  9981
2 04966  51.5319 142.6767 2247502 219.5737 121.7738 11.11255050595931
Starlette
1 07646U 75010  A 90204.87409198 -.00000076  00000-0 -12560-4 0   890
2 07646  49.8305  13.7288 0205676 312.2991  46.0629 13.82139597780859
LAGEOS
1 08820U 76039  A 90198.64391560  .00000002  00000-0  00000 0 0   862
2 08820 109.8519   5.5485 0044669 231.5829 128.0938  6.38664301 75885
GPS-0001
1 10684U 78020  A 90205.33235666  .00000007  00000-0  99999-4 0  4638
2 10684  63.6999  88.4031 0117918 196.9390 162.7410  2.00556486 76595
GPS-0002
1 10893U 78 47  A 90203.81493634 -.00000024  00000-0  00000 0 0  2088
2 10893  64.3504 329.3187 0164521  25.3695 335.4185  2.00543865 89387
GOES 3
1 10953U 78062  A 90203.83726423  .00000102  00000-0  99999-4 0  9273
2 10953   7.0293  66.0391 0008037  74.8604 285.2689  1.00260510  4990
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SeaSat 1
1 10967U 78064  A 90205.52815377  .00000402  00000-0  18170-3 0  3565
2 10967 108.0220  37.2326 0002791 237.4163 122.6706 14.35759341631811
GPS-0003
1 11054U 78093  A 90203.59908655 -.00000024  00000-0  00000 0 0  2482
2 11054  63.8958 325.5902 0060429 118.6701 241.9390  2.00567468 86395
Nimbus 7
1 11080U 78098  A 90198.18148237  .00000079  00000-0  87759-4 0  6840
2 11080  99.1940 102.4241 0009664   8.4064 351.7251 13.83443934592186
GPS-0004
1 11141U 78112  A 90204.19952692  .00000007  00000-0  00000 0 0  4110
2 11141  63.7279  88.3141 0059432 316.0990  43.5124  2.00555619 85106
GPS-0005
1 11690U 80 11  A 90205.33812102  .00000008  00000-0  00000 0 0  9989
2 11690  64.2064  90.3988 0116625 203.0886 156.4555  2.00555417 90982
GPS-0006
1 11783U 80 32  A 90206.14382799 -.00000024  00000-0  00000 0 0  1777
2 11783  63.6887 325.0608 0150717  60.6193 300.7936  2.00558639 75086
GOES 5
1 12472U 81049  A 90205.62000225 -.00000142  00000-0  99999-4 0  9516
2 12472   3.5625  75.4892 0001531  16.4033 343.6175  1.00210028 32605
DE 1
1 12624U 81 70  A 90205.09092028  .00000060  00000-0  29086-4 0  4784
2 12624  88.9682 147.5490 6205945 270.0221  23.8092  3.51015843263503
SME
1 12887U 81100  A 90205.39952374  .00026541  00000-0  42196-3 0  7490
2 12887  97.6316 255.1732 0001521 193.1098 167.0110 15.53295877487046
Salyut 7
1 13138U 82 33  A 90206.42044929  .00029987  00000-0  28363-3 0  4000
2 13138  51.6003 110.2086 0001915  88.9596 271.1709 15.66714211470846
Cosmos 1383
1 13301U 82 66  A 90205.18997288  .00000065  00000-0  69127-4 0  5860
2 13301  82.9304 273.6543 0029342  59.5230 300.8798 13.67836495402733
LandSat 4
1 13367U 82 72  A 90206.72063235 -.00000244  00000-0 -49096-4 0  3981
2 13367  98.1633 268.4883 0004025  31.8127 328.3321 14.57131348426915
IRAS
1 13777U 83  4  A 90202.54101206  .00000086  00000-0  71970-4 0  7947
2 13777  99.0253  38.8008 0011440 293.9448  66.0566 13.98796622 51740
Cosmos 1447
1 13916U 83 21  A 90205.04152463  .00000080  00000-0  78460-4 0  7350
2 13916  82.9461 344.8084 0039515  38.7114 321.6872 13.74051320367731
TDRS 1
1 13969U 83 26  B 90205.81761328  .00000128  00000-0  99999-4 0   406
2 13969   4.5688  65.5549 0002644  86.0031 274.1151  1.00272418   342
GOES 6
1 14050U 83 41  A 90204.75531734  .00000117  00000-0  99999-4 0  2199
2 14050   2.3212  77.9610 0001195  71.4947 288.4324  1.00264453   107
OSCAR 10
1 14129U 83 58  B 90202.22227088 -.00000010  00000-0  00000 0 0  5352
2 14129  26.0271 193.6152 5957350 161.1032 237.0789  2.05879966 25434
GPS-0008
1 14189U 83 72  A 90204.64993894  .00000006  00000-0  99999-4 0  8028
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2 14189  63.3718  86.7336 0147493 219.2049 139.7896  2.00703205 51492
LandSat 5
1 14780U 84 21  A 90206.67997186 -.00000644  00000-0 -13788-3 0  2624
2 14780  98.2030 266.1733 0002053  93.8461 266.2982 14.57107211340329
UoSat 2
1 14781U 84 21  B 90205.02567339  .00000791  00000-0  15456-3 0  7626
2 14781  97.9470 256.3744 0013301 126.9258 233.3151 14.65505065341363
GPS-0009
1 15039U 84 59  A 90206.26951390  .00000005  00000-0  00000 0 0  9899
2 15039  63.1871  85.8440 0023147 236.2357 123.7030  2.00612061 44800
Cosmos 1574
1 15055U 84 62  A 90205.94421533  .00000068  00000-0  67106-4 0  9126
2 15055  82.9552  34.4729 0025967 216.9373 142.9997 13.73365207305251
GPS-0010
1 15271U 84 97  A 90203.69826652 -.00000024  00000-0  00000 0 0  8728
2 15271  63.1951 324.6773 0105853 327.4966  31.8648  2.00557455 41866
Cosmos 1602
1 15331U 84105  A 90204.35986658  .00001458  00000-0  19686-3 0  3283
2 15331  82.5390 327.3811 0021622 210.6961 149.2977 14.78315726313432
NOAA 9
1 15427U 84123  A 90205.09689309  .00000276  00000-0  16969-3 0  6061
2 15427  99.1694 205.7859 0014150 265.2013  94.7540 14.12622879289195
Cosmos 1686
1 16095U 85 86  A 90206.99445092  .00097176  00000-0  89651-3 0  7076
2 16095  51.6071 107.2862 0004384  52.6870 307.1265 15.66800300272033
GPS-0011
1 16129U 85 93  A 90203.89683081  .00000006  00000-0  00000 0 0  5587
2 16129  63.8999  86.9345 0124571 148.7456 212.0737  2.00510039 35072
Mir
1 16609U 86 17  A 90206.39972361  .00021369  00000-0  23249-3 0  8174
2 16609  51.6113 137.7709 0010092 180.1747 179.9356 15.63331706254078
SPOT 1
1 16613U 86 19  A 90206.61513524  .00004484  00000-0  21236-2 0   408
2 16613  98.7324 280.5569 0002171  93.2802 266.9161 14.20027157 69388
Cosmos 1766
1 16881U 86 55  A 90206.60240859  .00003775  00000-0  52156-3 0   950
2 16881  82.5142  24.3035 0018413 232.3140 127.6389 14.77784311214823
EGP
1 16908U 86 61  A 90204.22184135 -.00000169  00000-0 -91984-3 0  2362
2 16908  50.0038 145.2178 0010138 293.0997  66.8774 12.44385012179344
NOAA 10
1 16969U 86 73  A 90202.36241059  .00000359  00000-0  17436-3 0  4534
2 16969  98.5980 229.5400 0013460 166.3681 193.7863 14.23667498199476
MOS-1
1 17527U 87 18  A 90205.22743104  .00000038  00000-0  41369-4 0  6181
2 17527  99.1079 277.3022 0000995  77.3283 282.7986 13.94875296174429
GOES 7
1 17561U 87 22  A 90207.07432870 -.00000103  00000-0  99999-4 0  5729
2 17561   0.0242 156.4166 0003530 253.6528 181.5636  1.00278511  5832
Kvant-1
1 17845U 87 30  A 90205.88833998  .00018289  00000-0  19920-3 0  2024
2 17845  51.5875 140.3224 0017272 164.0053 196.2472 15.63305612253993
DMSP B5D2-3
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1 18123U 87 53  A 90206.75840843  .00000000  00000-0  99999-5 0  6508
2 18123  98.8169  36.8413 0013673 274.4934  85.4679 14.14082740159854
RS-10/11
1 18129U 87 54  A 90205.86796798 -.00000112  00000-0 -12935-3 0  2656
2 18129  82.9291 300.6886 0012340  21.8430 338.3251 13.72098597154616
Meteor 2-16
1 18312U 87 68  A 90206.07430102  .00000219  00000-0  18868-3 0  4641
2 18312  82.5532 260.2650 0012152 139.4123 220.7942 13.83664529148227
Meteor 2-17
1 18820U 88  5  A 90206.06963414  .00000053  00000-0  42197-4 0  3269
2 18820  82.5468 320.3439 0015789 214.2284 145.7861 13.84353860125428
DMSP B5D2-4
1 18822U 88  6  A 90206.84541303  .00000003  00000-0  99999-5 0  5762
2 18822  98.6392  85.0730 0007127 150.2491 209.9802 14.21492687128311
AO-13
1 19216U 88 51  B 90197.82067606 -.00000082  00000-0  99999-4 0  1398
2 19216  57.0355 145.3614 6989638 231.4991  42.6273  2.09702725 16025
OKEAN 1
1 19274U 88 56  A 90207.08256833  .00002064  00000-0  28780-3 0  8903
2 19274  82.5188 122.5314 0022259   0.9965 359.1323 14.77141504110668
Meteor 3-2
1 19336U 88 64  A 90205.64662048  .00000391  00000-0  99999-3 0  5379
2 19336  82.5406 250.9239 0016359 215.8167 144.1777 13.16897637 95885
NOAA 11
1 19531U 88 89  A 90206.22907459 -.00000004  00000-0  79470-5 0  3202
2 19531  98.9841 154.5844 0011958 172.3537 187.7816 14.11654798 94336
TDRS 2
1 19548U 88 91  B 90204.00000000  .00000115  00000-0  99999-4 0  1457
2 19548   0.2228  81.8393 0004382  63.7946 340.6711  1.00271163   617
Cosmos 2001
1 19796U 89 11  A 90206.57450952 -.00001057  00000-0  99999-4 0  5657
2 19796  63.3396  88.0570 7072551 319.8876   5.2939  2.00569139 10577
GPS BII-01
1 19802U 89 13  A 90205.83103598  .00000016  00000-0  99999-4 0  1475
2 19802  55.0566 195.9256 0053378 166.2177 193.9178  2.00645993 10504
Akebono
1 19822U 89 16  A 90205.77518294  .00014066  00000-0  86456-3 0  6913
2 19822  75.0947 220.4194 4172922 197.8109 141.6550  7.12593489  2518
Meteor 2-18
1 19851U 89 18  A 90206.05120754 -.00000229  00000-0 -21187-3 0  2700
2 19851  82.5189 198.2854 0012584 256.2335 103.7416 13.83985874 70805
TDRS 3
1 19883U 89 21  B 90204.00000000 -.00000235  00000-0  99999-4 0  1480
2 19883   0.2485  80.7470 0002018 132.5800  46.4494  1.00263623 75316
GPS BII-02
1 20061U 89 44  A 90191.11244975 -.00000033  00000-0  00000 0 0  1445
2 20061  54.7754  14.9096 0086773 173.6971 186.4465  2.00485267  7956
Nadezhda 1
1 20103U 89 50  A 90207.14278152  .00000043  00000-0  39980-4 0  1695
2 20103  82.9586 256.2801 0036165 290.8680  68.8606 13.73600855 53060
GPS BII-03
1 20185U 89 64  A 90206.48324956  .00000016  00000-0  99999-4 0  1360
2 20185  54.9054 196.7576 0023456 161.8622 198.2062  2.00623261  6839
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Activnyi
1 20261U 89 80  A 90206.39990890  .00001446  00000-0  45612-3 0  6285
2 20261  82.5951 204.3000 1256416 252.0140  94.0355 12.43810933 37348
Activnyi RB
1 20262U 89 80  C 90207.10787504 -.00004175  00000-0 -13312-2 0  2597
2 20262  82.5944 203.9259 1259771 250.7143  95.3723 12.43223681 37438
Magion 2
1 20281U 89 80  B 90206.44133198  .00000368  00000-0  11169-3 0  6218
2 20281  82.5926 204.1854 1255939 251.7340  94.3401 12.44076466 37356
GPS BII-04
1 20302U 89 85  A 90186.37739525 -.00000028  00000-0  99999-4 0  1365
2 20302  54.6179 316.3206 0029365 324.1311  35.6734  2.00373177  5230
Meteor 3-3
1 20305U 89 86  A 90206.99655905  .00000039  00000-0  90098-4 0  1765
2 20305  82.5503 190.6244 0014914 228.9452 131.0383 13.15865271 36054
COBE
1 20322U 89 89  A 90203.58261503  .00002205  00000-0  14529-2 0  1496
2 20322  99.0217 213.4434 0007861 268.5021  91.5244 14.02609215 34457
Kvant-2
1 20335U 89 93  A 90206.84718437  .00020679  00000-0  22510-3 0  3150
2 20335  51.6085 135.5050 0010014 185.6657 174.4475 15.63347732254142
GPS BII-05
1 20361U 89 97  A 90191.06758882  .00000015  00000-0  99999-4 0   883
2 20361  54.9603 139.4444 0064503  48.5942 311.9250  2.00581338  4184
SPOT 2
1 20436U 90  5  A 90207.14376235 -.00001313  00000-0 -60860-3 0  2927
2 20436  98.7339 281.1366 0000881  96.2738 263.8544 14.20015354 26279
UO-14
1 20437U 90  5  B 90206.83601518  .00000186  00000-0  82014-4 0  1872
2 20437  98.6956 282.8304 0011814  46.6066 313.6111 14.28662307 26385
UO-15
1 20438U 90  5  C 90207.07705155  .00000042  00000-0  24953-4 0  1073
2 20438  98.6997 283.0484 0011166  43.7101 316.4958 14.28396774 26417
PACSAT
1 20439U 90  5  D 90207.10311923  .00000198  00000-0  86573-4 0   969
2 20439  98.7020 283.2202 0012450  46.3855 313.8335 14.28766803 26423
DO-17
1 20440U 90  5  E 90199.18477369  .00000256  00000-0  11723-3 0   987
2 20440  98.7008 275.3312 0012650  65.8478 294.4027 14.28810988 25294
WO-18
1 20441U 90  5  F 90207.08444772  .00000082  00000-0  40321-4 0  1007
2 20441  98.7018 283.2375 0013067  46.7923 313.4346 14.28908466 26420
LO-19
1 20442U 90  5  G 90207.07559340  .00000084  00000-0  41132-4 0   995
2 20442  98.7023 283.2494 0013439  46.6202 313.6104 14.28977533 26426
GPS BII-06
1 20452U 90  8  A 90206.57714778  .00000002  00000-0  99999-4 0   816
2 20452  54.5561 254.4163 0029103  44.0219 316.2824  2.00872397  3615
MOS-1B
1 20478U 90 13  A 90207.19223782  .00000316  00000-0  26115-3 0  3606
2 20478  99.1880 277.2465 0000590  65.1095 295.0121 13.94832016 23575
DEBUT
1 20479U 90 13  B 90199.58691214  .00000106  00000-0  28803-3 0   946
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2 20479  99.0360 240.1658 0540852 337.5079  20.3134 12.83157648 20779
FO-20
1 20480U 90 13  C 90206.99711595  .00000238  00000-0  58466-3 0   952
2 20480  99.0362 246.1713 0540602 320.7714  35.5372 12.83141261 21726
MOS-1B R/B
1 20491U 90 13  D 90199.61947455 -.00000755  00000-0 -13996-2 0  1012
2 20491  99.0397 244.7496 0470819 317.6475  38.9168 13.02741589 20493
Soyuz TM-9
1 20494U 90 14  A 90206.20795310  .00019212  00000-0  20977-3 0  2128
2 20494  51.6096 138.7369 0010346 179.0816 181.0198 15.63318214254048
LACE
1 20496U 90 15  A 90207.07652980  .00003357  00000-0  21038-3 0  1976
2 20496  43.0969 109.0250 0015709 237.1297 122.8058 15.10973433 24406
RME
1 20497U 90 15  B 90206.07034346  .00006290  00000-0  17803-3 0  2049
2 20497  43.1068  80.9123 0017249 233.0882 126.8388 15.36843027 24661
Nadezhda 2
1 20508U 90 17  A 90207.06498615  .00000030  00000-0  25451-4 0  1355
2 20508  82.9496  31.2353 0042961 237.7075 121.9917 13.73220066 20344
OKEAN 2
1 20510U 90 18  A 90207.11399834  .00000700  00000-0  10479-3 0  2299
2 20510  82.5235  61.8745 0020678 144.3091 215.9578 14.73279913 21805
INTELSAT-6
1 20523U 90 21  A 90206.81686838  .00002466  00000-0  16689-3 0  2331
2 20523  28.3472  10.4241 0018014 232.7426 127.1513 15.02694463 20262
GPS BII-07
1 20533U 90 25  A 90202.81208722 -.00000032  00000-0  00000 0 0   549
2 20533  55.0939  14.5409 0035623 102.8382 257.5798  2.00550551  2291
PegSat
1 20546U 90 28  A 90207.10450499 -.00002130  00000-0 -13218-3 0  1646
2 20546  94.1179 235.7717 0148497 190.6102 169.2008 15.00766147 16677
HST
1 20580U 90 37  B 90206.82447791  .00001615  00000-0  17053-3 0  1481
2 20580  28.4702   3.7550 0006020 170.0638 190.0083 14.84624918 13724
Cosmos 2079
1 20619U 90 45  A 90183.18162415 -.00000015  00000-0  99999-4 0   666
2 20619  64.8990  38.4694 0021232 211.7782 148.1393  2.13102858   940
Kristall
1 20635U 90 48  A 90205.88833369  .00018658  00000-0  20398-3 0   939
2 20635  51.6115 140.3514 0010518 177.7216 182.3831 15.63304241253994
ROSAT
1 20638U 90 49  A 90187.00592365  .00002308  00000-0  21651-3 0   291
2 20638  52.9885 326.8089 0015955  44.1557 316.0698 14.97741876  5108
1990 049B
1 20639U 90 49  B 90186.77313651  .00012056  00000-0  52549-3 0   363
2 20639  52.5158 315.1529 0074503 358.3877   1.6875 15.20114840  5158
INSAT 1-D
1 20643U          90189.97330122 -.00000137           10000-3 0   164
2 20643   0.1487 277.8879 0004816 163.5074 278.7114  1.00269441   243
1990 051C
1 20645U 90 51  C 90190.98470716  .00146799  24824-4  66570-3 0   250
2 20645  27.1777 158.6411 7466348 194.5605 117.5635  2.10584253   563
Molniya3-38
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1 20646U 90 52  A 90200.10814418  .00000037  00000-0 -73888-3 0   474
2 20646  62.8398 222.1210 7408122 280.1598  10.9867  2.00631672   753
1990 052D
1 20649U 90 52  D 90193.14108054  .00000552  00000-0  64582-3 0   218
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Gorizont 20
1 20659U 90 54  A 90200.67565930 -.00000191  00000-0  99999-4 0   309
2 20659   1.4506 269.2197 0018148 241.1368 119.4968  1.00255697    73
1990 054D
1 20662U 90 54  D 90194.63272051 -.00000331  00000-0  99999-4 0   126
2 20662   1.4948 269.1293 0015655 296.6548  63.6942  1.00512434   255
Cosmos 2084
1 20663U 90 55  A 90200.59639727  .00007190  00000-0  11641-2 0   538
2 20663  62.8053  82.4265 0125965   8.1706 352.1652 14.66814477  4062
1990 055D
1 20666U 90 55  D 90197.68699122  .00001667  00000-0  27488-3 0   193
2 20666  62.7952  91.3973 0121322  14.4345 346.0168 14.69533585  3647
INTELSAT-F6
1 20667U 90 56  A 90202.27683899 -.00000228  00000-0  99999-4 0   146
2 20667   0.3295 256.9105 0022964 329.7994 133.0798  1.00261572   304
1990 056C
1 20669U 90 56  C 90205.34975916  .00004894  00000-0  18629-2 0   212
2 20669  24.2163 253.6506 7415552  19.3527 358.1981  2.10983344   656
Meteor 2-19
1 20670U 90 57  A 90207.12344511  .00000088  00000-0  74115-4 0   242
2 20670  82.5439 257.7623 0016326 173.8807 186.2552 13.83840577  3909
1990 057B
1 20671U 90 57  B 90207.11694478 -.00000105  00000-0 -99625-4 0    90
2 20671  82.5443 257.7573 0015324 175.4728 184.6575 13.84158391  3900
GAMMA
1 20683U 90 58  A 90206.43851942  .00016247  00000-0  31684-3 0   327
2 20683  51.6180  19.0429 0013029 266.8296  93.1256 15.47578434  2197
1990 059A
1 20685U 90 59  A 90204.50601142  .00186141 -63919-5  45033-3 0   127
2 20685  28.4963 256.1649 0551391 205.7293 151.2654 14.92991381  1125
1990 059B
1 20686U          90206.42783542  .00361873 -67087-5  81988-3 0   219
2 20686  28.5006 243.4655 0533254 226.4388 129.0699 14.97909858  1411
1990 060A
1 20687U 90 60  A 90207.10978295  .00083364  22032-5  13943-3 0   214
2 20687  82.3128  93.7631 0014476 296.2166  62.8101 16.02594757   118
1990 061A
1 20693U 90 61  A 90205.68776425 -.00000025  00000-0  99999-4 0    96
2 20693   1.4812 272.0375 0019628  82.2183 278.4142  0.99911308    68
1990 062A
1 20702U 90 62  A 90207.11985849  .00044793  00000-0  88614-4 0   192
2 20702  82.3288  87.7541 0081474  64.1972 296.7591 15.93793970   922
1990 064A
1 20707U 90 64  A 90206.81007288  .00000085  00000-0  99999-4 0    34
2 20707  62.8980 166.2331 7346085 318.1243   4.5758  2.04190646    09
1990 064B
1 20708U 90 64  B 90207.19554900  .00611339  92876-5  12233-2 0    36
2 20708  62.8245 164.7986 0254659 121.1450 241.4547 15.61446651    75
```

```
1990 064C
1 20709U 90 64  C 90207.19610508  .01381489  35886-4  99227-3 0    31
2 20709  62.8650 164.6910 0313299 123.6073 239.5399 15.60545257    70
1990 065A
1 20712U 90 65  A 90206.94610232  .00000065  00000-0  99999-4 0    10
2 20712  18.1192  47.3154 7125993 199.5387 105.4320  2.43366064    18
1990 065B
1 20713U 90 65  B 90206.94773599  .00000063  00000-0  99999-4 0    15
2 20713  18.0758  47.8888 7132915 199.0158 106.4350  2.42429083    12
```

--
```
Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology
```

From -837579818477532164
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,45fa62267d59e68,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-28 23:19:01 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletin Format
Message-ID: <9007302136.AA24017@ucsd.edu>
Date: 29 Jul 90 06:19:01 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 69
Posted: Sun Jul 29 07:19:01 1990

As a service to the satellite user community, the following description of the NASA Prediction Bulletin's two-line orbital element set format is uploaded to sci.space on a monthly basis. The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

==

Data for each satellite consists of three lines in the following format:

```
AAAAAAAAAAA
1 NNNNNU NNNNNAAA NNNNN.NNNNNNNN +.NNNNNNNN +NNNNN-N +NNNNN-N N NNNNN
2 NNNNN NNN.NNNN NNN.NNNN NNNNNNN NNN.NNNN NNN.NNNN NN.NNNNNNNNNNNNNN
```

Line 1 is a eleven-character name.

Lines 2 and 3 are the standard Two-Line Orbital Element Set Format identical to that used by NASA and NORAD. The format description is:

Line 2

Column	Description
01-01	Line Number of Element Data
03-07	Satellite Number
10-11	International Designator (Last two digits of launch year)
12-14	International Designator (Launch number of the year)
15-17	International Designator (Piece of launch)
19-20	Epoch Year (Last two digits of year)
21-32	Epoch (Julian Day and fractional portion of the day)
34-43	First Time Derivative of the Mean Motion or Ballistic Coefficient (Depending on ephemeris type)
45-52	Second Time Derivative of Mean Motion (decimal point assumed; blank if N/A)
54-61	BSTAR drag term if GP4 general perturbation theory was used. Otherwise, radiation pressure coefficient. (Decimal point assumed)
63-63	Ephemeris type
65-68	Element number
69-69	Check Sum (Modulo 10) (Letters, blanks, periods = 0; minus sign = 1; plus sign = 2)

Line 3

Column	Description
01-01	Line Number of Element Data
03-07	Satellite Number
09-16	Inclination [Degrees]
18-25	Right Ascension of the Ascending Node [Degrees]
27-33	Eccentricity (decimal point assumed)
35-42	Argument of Perigee [Degrees]
44-51	Mean Anomaly [Degrees]
53-63	Mean Motion [Revs per day]
64-68	Revolution number at epoch [Revs]
69-69	Check Sum (Modulo 10)

All other columns are blank or fixed.

Example:

```
NOAA 6
1 11416U          86 50.28438588 0.00000140           67960-4 0  5293
2 11416  98.5105  69.3305 0012788  63.2828 296.9658 14.24899292346978
```

Note that the International Designator fields are usually blank, as issued in the NASA Prediction Bulletins.

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

From 639764027822074410
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,35fc93151f5d0b40
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: f5280,a0db20a593eaab6f,start
X-Google-Attributes: gidf5280,public
X-Google-Thread: fc2c3,a0db20a593eaab6f,start
X-Google-Attributes: gidfc2c3,public
X-Google-ArrivalTime: 1990-07-29 00:28:50 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: 73 Mag changes flavor
Summary: 73 email address
Keywords: New Editor
Message-ID: <951@ssc.UUCP>
Date: 29 Jul 90 07:28:50 GMT
References: <1687@raybed2.msd.ray.com> <10290@sybase.sybase.com>
Organization: very little
Lines: 14
Posted: Sun Jul 29 08:28:50 1990

Someone asked for an e-mail address for 73 magazine. You can
use the MCI Mail network address, which is mcimail.com!2184001.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 3893710174924150746
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11f73b5dc073ff94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-29 07:19:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!ucbvax!PSUARCH.BITNET!PLB
From: PLB@PSUARCH.BITNET ("P Bandini, PSU Arch Dept, 814/863-0062")
Newsgroups: rec.ham-radio
Subject: Re: RE: Costs...
Message-ID: <59BB39B14C1F0001BB@PSUARCH.Bitnet>
Date: 29 Jul 90 14:19:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 45
Posted: Sun Jul 29 15:19:00 1990

Donald P Perley (crdgw1!galaxy@uunet.uu.net) on 29 Jul 90:

>If you get the same number of customers/channel, it will be just as crowded
>no matter how many channels, so where is your lower cost?

How that works is a mystery to me too... I think it has to do with fractions, something I've never been good at, but if you take the *fixed* cost of some items (ie, towers) and divide it among a *greater* number of customers, you end up with a *lower* cost... So, there may be the same number of customers per channel as before, but not the same cost per customer... get it?
What's keeping my cell company from serving more customers is the availability of channels (spectrum, that limited resource a chunck of which is allocated to you). So, by not getting the lower cell rates that I could, I am *indirectly* paying for your hobby/service.

>   Am I willing to pay for your cellular service through
>the loss of spectrum?

You ARE paying. In case of an emergency, you're doing nothing but "pay back" for the privilege extended to you during "normal" times.
In other words, your exclusive use of a limited resource (spectrum) is payed for when the emergency arises, in the form of 'public service'.
Whether I'm willing to take advantage of your service or not, that's another story. In the case of my cousin, last fall I chose not to collect, for "reliability" reasons... not the "technical" reliability of the signal going through autopatches, around mountains, etc, but the reliability of the *message itself*...

>Whats the matter, would she lie to me?

No, but *you* may... unwillingly, of course... :*>

Like <zaphod.mps.ohio-state.edu!mips!wyse!stevew@tut.cis.ohio-state.edu>
(Steve Wilson x2580 dept303) writes on 25 Jul 90:

>Now that may cast into question the entire effort we exert with
>an admission that it's possible to get inaccurate information.

...and all the discussion that went on a few days back on the "accuracy" issue.

On a last note: how come I'm getting *my* posting AND a reply to it IN THE SAME DIGEST..? Do certain groups get special delivery..? Any comment, Brian?

-P. Bandini

===

From -2371350015241971032
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4760ad9134d346ca,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-29 08:44:11 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio

Subject: vk2sg rtty report
Message-ID: <1574@n8emr.UUCP>
Date: 29 Jul 90 15:44:11 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 206
Posted: Sun Jul 29 16:44:11 1990

```
==============================================================
|        Relayed from packet radio via                 |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ RTTYDX $RTDX0727
RTTY DX Notes, 1of3, 7/27/90

RTTY DX Notes for Weekending 27th June 1990.
Part 1 of 3.
BID: $RTDX0727

One wonders at times about the accuracy of the propagation reports. It seems that WWV gives a letter that says the bands will be fair to good, W1AW reports that the bands will be good this week, but by the looks of the bands, everyone has gone out to play golf or tennis or something, because there have been very few stations on the air in the past week. Or maybe they have been checking their gear for the next contest.

Our information this week came from F8XT, I5FLN, I5ICY, I5IGQ, JA1BLV, OD5NG, SM5EIT, TG9VT, VK2EG, W2JGR and the Tri-State DX Association VHF packet cluster. Thank you all for your help.

Bandpass

Friday 20

UQ2HO	14079	at	0420Z	
BV4QA	14088	at	1400Z	
VQ9RB	21093	at	1757Z	QSL
UA1OJ/UA9Q	14087	at	1804Z	QSL

Saturday 21

EA6ML	14082	at	0536Z
VQ9RB	14086	at	1448Z
5V7DP	21081	at	1752Z
HB0HTA	21082	at	1816Z
EC8AUD	21098	at	1930Z

```
RA2FB       14085  at  2108Z


Continued in part 2.
/EX
SB RTTYDX @ RTTYDX $RTDX0728
RTTY DX Notes, 2of3, 7/27/90

RTTY DX Notes for Weekending 27th June 1990.
Part 2 of 3.
BID: $RTDX0728


Sunday      22

PZ1BS       14085  at  0110Z
RB5QV       14084  at  0230Z
UT5RP       14068  at  0355Z  ARQ
UA1OJ/UA9Q  14087  at  0449Z
J39BS       14091  at  0450Z  QSL
ZL0AIC      14089  at  0500Z  QSL/Note
BZ4SAA      14088  at  1313Z
9L1US       21088  at  1517Z  QSL
5V7DP       21089  at  1800Z  QSL
FT1MM       14090  at  1900Z  Note?
VQ9RB       21085  at  1925Z
SU1HN       14083  at  2144Z


Monday      23

RC8O/UB4MZG 14085  at  0659Z  QSL
BY1QH       14079  at  1358Z
JY9SR       14079  at  1439Z
ZD9BV       21086  at  1606Z
ZD8BOB      21088  at  1739Z
PZ1BS       14070  at  2318Z  ARQ
EA8ES       21083  at  2319Z
UA4FAQ      14091  at  2323Z
EA6ZP       14089  at  2341Z


Tuesday     24

TJ1MW       14090  at  0045Z
UV1AT       14085  at  0306Z
J28TY       14092  at  0308Z
RF6FC       14086  at  0423Z
TA3D        14086  at  1951Z


Wednesday   25
```

UT5RP	14073	at	0111Z	ARQ
TA3D	14089	at	0123Z	
RC8O/UB4MZG	14085	at	0528Z	
C31RI	14086	at	0951Z	

Thursday   26

UA4FDS	14086	at	0038Z	QSL
EA9MY	14083	at	0701Z	
I2KYM/IG9	14090	at	0707Z	Note

Continued in part 3.
/EX
SB RTTYDX @ RTTYDX $RTDX0729
RTTY DX Notes, 3of3, 7/27/90

RTTY DX Notes for Weekending 27th June 1990.
Part 3 of 3.
BID: $RTDX0729

QSL Information.

VQ9RB is Dick Barnes, Box 55, NSF, FPO. SF, CA 96685-2000 U.S.A.

UA1OJ/UA9Q is at Box 27, Severodvinsk, 164500 USSR.

ZL0AIC will QSL via HB9AAA.

9L1US will QSL via WA8JOC.

5V7DP says to QSL via KA1DE.

J39BS will QSL to WB2LCH, not WB2CLH as stated last week. Sorry Erik.

RC8P/UB4MZG says to QSL to Box 22, Schastie, 348903 Ukraine USSR.

PZ1BS QSL to Box 813, Paramaribo, Surinam.

UA4FDS to Box 555, Penza 440061 USSR.

Notes Of Interest.

DA1WA will operate from Frankenstein's Castle from August 4th to 5th.

6W6JX will operate from C53 August 9th to 23rd with the call of C53/6W6JX. QSL via his normal path of F6FNU.

JH4IFF will sign VP2V/JH4IFF from around the 10th of August.

DF2UU is expected to operate from (TF) Iceland in August.

JA3DLE/1 worked FT1MM on July 22nd. Has anyone any information on this station? I can't find any information here.

The Malpelo operation scheduled for January 1991 has been moved forward to November 22nd this year. But they still need antennae and transceivers for RTTY. Can anyone help? If so, Telex 033413 Barabquila Colombia. Financial assistance is also needed and can be sent to: HK3BED, Box 584, Bogota, Colombia.

ZL0AIC is on Ross Island in the Antarctic, and works with/for the Greenpeace people.

I2KYM/IG9 is an IOTA station. Reference AF33, Zone 19.

GL DE DX1.

Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA. Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU, or via AMTOR on the VK2AGE APLINK mailbox.
/EX
SB ALL @ RTTYDX $KT7H0726
World Radiosport Aftermath

BID: $KT7H0726

It's been quite a week in Seattle! We just hosted the World Radiosport Team Championship, which is the first time ever that a radio contest was held with all of the participants in the same area.

Next week I will be sending out a summary of the scores and some "war stories" from the crew that hosted the contest and the teams. I attended a couple of the social events, but could not participate fully because of my involvement in War and Peace, an opera production of the Goodwill Games Arts Festival.

I was very impressed by the group that put on the contest, the volunteers who helped host the foreign guests, and the operators from around the world. The parties and the comraderie were great! I was most impressed with the Soviets. . .a real fun bunch of guys, some of them excellent English speakers, and do they know how to drink vodka!

More news next week.

73,
Tad
KT7H @ N7HFZ.WA.USA.NA
/EX

--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]

HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From 8190704034234943853
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95baab78fda78b1c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,95baab78fda78b1c
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-29 08:55:30 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: R7000 Trap for Broadcast FM
Message-ID: <2789@anasaz.UUCP>
Date: 29 Jul 90 15:55:30 GMT
References: <3607@radio.oakhill.UUCP>
Reply-To: john@anasaz.UUCP (John Moore)
Followup-To: rec.ham-radio
Organization: Anasazi, Inc.
Lines: 42
Xref: gmdzi rec.ham-radio:13390 rec.radio.shortwave:1714
Posted: Sun Jul 29 16:55:30 1990

In article <3607@radio.oakhill.UUCP> charlie@oakhill.UUCP (Charlie Thompson) writes:
]used Pspice to simulate the response from filters
]designed using ECD. Normally you can expect
]about ~6dB of insertion loss; a gasfet preamp after
]the filter can make up for this. In summary the R7000
]can get overloaded from strong signals like FM stations.

A couple of comments here:

(1) the preamp AFTER the filter will have no beneficial effect at all on a well designed receiver such as an R7000. Any good receiver has more than enough gain - the enemy is noise, ie you want a good noise figure. A 6dB insertion loss filter will add 6dB to your noise figure, pre-amp or not! Once you have lost the SNR, you can never improve it again.

(2) It is quite possible to design filters with very low insertion loss (<.5 dB for example) to do what you want. However, the lower the insertion loss, the higher Q elements you need. At 100MHz that shouldn't be much of a problem. See the Reference Data for Radio Engineers for design data (although it takes a lot of fiddling with the way the data is presented in order to convert it from analysis to design data). I'm sure there are other references. The calculations are easy enough that you definitely don't need a computer to do them. Any decent library should have the book. Possibly the Amateur Radio Handbook has it also, but I haven't checked.

(3) The Radio Shack filter is likely to beat anything you can do yourself unless you work hard at it and have the equipment to really measure the filter performance (preferably a sweep generator or tracking

generator/spectrum analyzer). At a minimum, you need a signal
generator with flat output over the 75 - 130 MHz frequency range,
and some sort of good RF signal level detector (properly done,
a diode detector and a volt meter, and a calibration curve to get
dB's from it.

(4) If you build the filter, keep in mind that component characteristics
(using the right type of capacitor and inductor), component placement,
and grounding and shielding is going to significantly affect the
results. Use the right parts, LOTS of ground plane, high Q coils,
good capacitors, and appropriate shielding.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -3926168083038102863
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,de28f2054ceb3650
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-29 09:02:28 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: How to get started.
Message-ID: <7880226@hpfcdc.HP.COM>
Date: 29 Jul 90 16:02:28 GMT
References: <1618@ole.UUCP>
Organization: HP Ft. Collins, Co.
Lines: 7
Posted: Sun Jul 29 17:02:28 1990

> I recommend "Welcome to the World of Ham Radio", by the ARRL,...

The correct title is "Tune in the World with Ham Radio". Sorry about
that, I was operating from memory.

Alan, N0MFW (Mountain Friendly Wireless, no more free watts, ...)

From 5780849006629185404
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,345a4206c31d0d83
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-29 09:55:41 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!ra!emory!mephisto!mcnc!unccvax!cs00jmc
From: cs00jmc@unccvax.uncc.edu (John Covington WN4BBJ)
Newsgroups: rec.ham-radio
Subject: Re: How about a reality check on the "ghetto" concept?

Message-ID: <2546@unccvax.uncc.edu>
Date: 29 Jul 90 16:55:41 GMT
References: <43282@apple.Apple.COM> <530017@hpdmd48.boi.hp.com>
Reply-To: cs00jmc@unccvax.UUCP (John Covington WN4BBJ)
Organization: University of North Carolina at Charlotte
Lines: 36
Posted: Sun Jul 29 17:55:41 1990

In article <530017@hpdmd48.boi.hp.com> ritchie@hpdmd48.boi.hp.com (David Ritchie) writes:

>
> Why would would anyone stay as a novice for long? The Tech theory pool
> is not that hard to memorize :^>.
>
>
> Dave N4DJS

There may be several reasons:

1. No desire to work VHF.
2. lack of time to study (or memorize) due to other commitments.
3. travel difficulties to exam sites for upgrading (one could live in a remote area, or be too young or otherwise unable to drive).
4. A desire to try ham radio for a while before deciding to stay in it. Remember, entry-level licenses are there to give people a chance to try ham radio out without having to take so many exams.
5. Only purpose of license is to communicate with spouse on 220 MHz repeater.

There may be others. When I had my Novice (1972-74) I was too young to drive and had difficulty getting from Fayetteville NC to Norfolk VA. As a result I was unlicensed for almost a year after my Novice expired. This was not my choice but a consequence of NON-RENEWABLE licenses, which I oppose.

Fortunately most VEC exams are held more frequently and are more geographically distributed than the FCC exams were; but there are some parts of the country where it is difficult to find a place to take an exam.
There are others where it is very easy. Within a 100 mile radius of Charlotte there is an exam given about 3 out of 4 weekends. So that reason would not apply here.

```
--
John Covington WN4BBJ     Internet: cs00jmc@unccvax.uncc.edu
P.O. Box 217122           MCI Mail: JCOVINGTON 342-6957
Charlotte, NC 28221-7122  Packet Radio Mail: WN4BBJ @ W4BFB.NC.USA.NA
(704) 537-7653            "Kenneth, what's the frequency?" "I dunno, ask Dan"
```

From -7618959272992231833
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-29 10:32:16 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!john

From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Airwave Wars
Message-ID: <2795@anasaz.UUCP>
Date: 29 Jul 90 17:32:16 GMT
References: <1990Jul18.215248.11497@bellcore-2.bellcore.com> <186@bongo.UUCP>
<187@bongo.UUCP> <1613@excelan.COM>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 14
Posted: Sun Jul 29 18:32:16 1990

In article <1613@excelan.COM> tonyb@ka.excelan.com (Tony Bamberger) writes:
]what would happen in a disaster. Every agency from the State "Office of
]Emergency Services" to "Bill's Towing" is going to try and use their cellular.
]I just don't know of a way to say "Break - Emergency Traffic" to someone using
]a cellular channel I need to pass traffic on - DO YOU?

Well, as a matter of fact, yes I do! Emergency agencies can get cell-phones
that have priority on the system. Someone else will get bumped to give
a dial tone to these folks. [at least, here in AZ].

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -7940015141049107057
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3345d282f9270f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-29 10:39:48 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Spread Spectrum Repeaters - Technical
Message-ID: <2797@anasaz.UUCP>
Date: 29 Jul 90 17:39:48 GMT
References: <2770@anasaz.UUCP> <1990Jul26.221020.24603@bellcore-2.bellcore.com>
<2779@anasaz.UUCP> <2780@anasaz.UUCP> <1102@ke4zv.UUCP>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 44
Posted: Sun Jul 29 18:39:48 1990

In article <1102@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
]>Consider base-band filtering. It's sure a lot cheaper to filter
]>at low power at baseband than at RF at high power. Let's say we
]>make a PERFECT baseband filter. We STILL need an ULTRA LINEAR
]>modulator or the interference comes back. This is true of
]>either fast frequency hop or direct sequence.
]>

]
]In our 100,000 watt TV transmitter, the sideband filter is a little
]SAW filter you can hold in the palm of your hand. In our old 50,000
]watt transmitter the filter was a huge water cooled monster on the
]output of the transmitter. The SAW filter is installed just after
]the modulator at the 100 miliwatt level. Assuming reasonable
]linearity (<2%) in the following power amplifiers, this little guy
]can do the job nicely. Assuming your PA doesn't act as a wideband
]noise generator on it's own, you don't need huge cavities anymore.
]Transmitter and filter design have changed dramatically in the last
]ten years. Nobody does "high level" modulation anymore and achieving
]linear power is much easier than it used to be. Amateur technology
]has a long way to come from the old Micor to the modern world.

Point well taken. However, your 100,000 watt TV transmitter is not
protecting sensitive receives just outside the passband. How much
are your sidebands reduced? 60 dB? That's just not enough for
the case we are talking about. 2% linearity is nowhere near
good enough - I'll bet your linearity is much better than that.

Remember, when we talk 100dB range attenuation, we are getting
into tough stuff. Your SAW probably leaks more than that - what is
the passband vs. stopband attenuation of it? Add to that nonlinearities,
AND wideband noise, and you may still have a problem if you are operating
in the amateur 440 band (or 2 meter) and trying to protect other services
in the 450 band (or 150). Finally, one reason for pass cavities is
that transistor amplifiers do radiate significant broadband noise, even
if unmodulated. When we put a pass cavity on an FM repeater, we lower
the site noise significantly. Leaving out that protection means that
the broadband noise is a problem. Of course, I guess we could use
tubes...

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -7387260319073864109
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2f281565947bc610,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-29 11:24:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!ricks.enet.dec.com!reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: ARRL DX Bulletin 30 ARLD030
Message-ID: <14013@shlump.nac.dec.com>
Date: 29 Jul 90 18:24:22 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation

Lines: 41
Posted: Sun Jul 29 19:24:22 1990

W1GG Retransmission

DX Bulletin 30 ARLD030
From ARRL Headquarters
Newington CT July 27, 1990
To all Radio Amateurs

Thanks to Paul, KB1BE, and the Connecticut DX Association for the following DX information.

YEMEN, 7O. Pierre, F6HIZ, has announced that F2VX and F6EXV will operate from Aden from July 28 to August 12. They have been issued documentation from the Minister of Communication, Republic of Yemen. The calls used will probably be 7O1AB and 7O1AC.

Check 5 KHz up from the bottom of the bands for CW, with the exception of no CW operating on 80 meters. Check 3787, 7065, 14125, 14145, 14195, 21195, 21295, 28445 and 28495 KHz for SSB. They will announce the split listening frequencies.

THAILAND, HS. Members of the Japan UNICEF Ham Club will activate HS0ILY July 27 and 28. Operations will be on 80 through 6 meters, CW and SSB. QSL via JA2BCQ.

MARKET REEF, OJ0. Callsigns for the Market Reef dxpedition scheduled to start July 28 will be OJ0/KF7PO on SSB and OJ0/N7BG on CW. QSL via KF7PO.

CRETE, J4. A group of Greek operators will sign J49G from Gavdhos Island starting August 1. This two week operation will be on CW, SSB and teletype modes. The island is located just off the southern coast of Crete.

SVALBARD, JW. A Netherland dxpediton to Svalbard by JW/PA3CDO, JW/PA3FMK and JW/PE1MIS will be active from July 27 until August 8. Activity is planned for 80 through 6 meter CW and SSB. QSL to each operator's home address.

NORTH COOK ISLANDS. Look for Kiyoko to sign ZK1XH from North Cook. She has been using ZK1BY from Raratonga.
NNNN

From 7493322197594799109
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c35d872330f419e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,4c35d872330f419e
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-07-29 11:34:17 PST

Path: gmdzi!unido!mcsun!uunet!cos!hqda-ai!media!csense!bote
From: bote@csense.uucp (John Boteler)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: New Ham needs help on 2m/TNC equipment buy recommendations / TM-731A
Message-ID: <1990Jul29.183417.7464@csense.uucp>
Date: 29 Jul 90 18:34:17 GMT
References: <1990Jul24.215835.21179@midway.uchicago.edu>
Followup-To: rec.ham-radio
Organization: Common Sense Computing, McLean, VA.
Lines: 19
Xref: gmdzi rec.ham-radio:13462 rec.ham-radio.packet:2593
Posted: Sun Jul 29 19:34:17 1990

From article <1990Jul24.215835.21179@midway.uchicago.edu>, by
gary@ellis.uchicago.edu (gary buchholz):
>
> In any case, I want to get a 2m/440 or 2m/220 radio. The first problem is
> 220 vs 440 ? It seems that you can't have everything. Any advice on that ?

Find a Drake UV-3 at a hamfest or in the Yellow Sheets. It has the
capability of 144, 220, 440 all in one not so small radio. It has
four diode programmable memory channels for each band, and its VFO is not
confined to the standard channel spacing for each band as some of
the newer radios are.

This is the kind of radio with which you could be comfortable for multiband
packet operation; you certainly wouldn't miss it mobile, it's too big!

Just a thought.

--
John Boteler   {uunet | ka3ovk}!media!csense!bote
NCN NudesLine: 703-241-BARE -- VOICE only, Touch-Tone (TM) accessible

---

From -7807286271394430575
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,740dccd506fbb062
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-29 11:48:59 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!psuvax1!eds1!wa3wbu!compnect!daveh
From: daveh@compnect.UUCP (Dave Hultberg)
Newsgroups: rec.ham-radio
Subject: Re: Looking for Derek Koopman G1TLH
Message-ID: <745@compnect.UUCP>
Date: 29 Jul 90 18:48:59 GMT
References: <5CC57F3F71FF000375@NRCNET.NRC.CA>
Organization: John Core at home, Harrisburg,PA
Lines: 29
Posted: Sun Jul 29 19:48:59 1990

In article <5CC57F3F71FF000375@NRCNET.NRC.CA>, EVERETT@HIARAS.NRC.CA writes:
> In July's QEX -The ARRL's Experimenters Exchange- GATEWAY Column

```
> there is an article on "Connectionless Mail Protocol and More" by
> Derek Koopman, G1TLH. The last line of the article says it is from
> Connect International via Herb Greeb, N8XX.
> I would very much like to contact Mr. Koopman to discuss his article.
> If anyone would have any information on how to reach him by Email,
> Postal service, or phone I would appreciate them passing it along.
> The article has spawned a possible undergraduate thesis idea on the
> subject of Connectionless Protocols.
> Any information or general comments on the subject would be valued.
>
From the 1990 Callbook:
Call:     G1TLH
Name:     D. J. Koopman
Address:  24 Cemetery Road
          East Dereham
          Norfolk NR19 ET
          England, UK





--
Dave Hultberg KA3UZR   Mail: 1407 Concord Road, Mechanicsburg, PA 17055-1955
daveh@compnect.uucp          H:   717-766-0051  CI$:    72437,3215
uunet!wa3wbu!compnect!daveh  W:   717-790-4507  Fido:   1:270/101.28
compnect!daveh@uunet.UU.NET  FAX: 717-790-3689  Packet: KA3UZR@WB3EAH.PA.USA.NA
```

```
From -8771754543983527011
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,de28f2054ceb3650
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-29 12:00:03 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!wuarchive!psuvax1!eds1!wa3wbu!compnect!daveh
From: daveh@compnect.UUCP (Dave Hultberg)
Newsgroups: rec.ham-radio
Subject: Re: How to get started.
Summary: Try your local Radio Shack
Message-ID: <746@compnect.UUCP>
Date: 29 Jul 90 19:00:03 GMT
References: <30500596@ux1.cso.uiuc.edu> <1618@ole.UUCP>
Organization: John Core at home, Harrisburg,PA
Lines: 28
Posted: Sun Jul 29 20:00:03 1990

In article <1618@ole.UUCP>, ssave@ole.UUCP (Shailendra Save) writes:
>
>    I want to be a amateur-radio operator. What is the best way to
>    get started?  Where can I get good books to get started on it,
>    is it possible to learn everything that is required for the test
>    through self-study, or is it necessary to take an official course
>    and pass it?  I should think that receiving and monitoring airwaves
```

>   is perfectly alright on any radio band?
>   I would appreciate any help that you can give me and any suggestions
>   that you may have as to good equipment that will get me started.

The best way to get started IMHO is to find an amateur or amateurs in your area who teach classes for new hams. One way to find out if there are any is to write to the American Radio Relay League, 225 Main St., Newington, CT 06111 and ask for their Prospective Ham Package. It will list clubs and local hams who are willing to help newcomers and who gives tests locally. Another source is your local Radio Shack. They might know some local hams, but even if they don't their Novice Course for $19.95 will give you all the information you need to pass the test. It even includes 2 morse code practice cassette tapes. I used their courses to pass both my Novice and Technician tests. I also passed the General written test using their course. All I need now is to practice my morse code. Good luck and hope to talk to you on the air soon!

```
--
Dave Hultberg KA3UZR   Mail: 1407 Concord Road, Mechanicsburg, PA 17055-1955
daveh@compnect.uucp          H:   717-766-0051  CI$:    72437,3215
uunet!wa3wbu!compnect!daveh  W:   717-790-4507  Fido:   1:270/101.28
compnect!daveh@uunet.UU.NET  FAX: 717-790-3689  Packet: KA3UZR@WB3EAH.PA.USA.NA
```

From -6941769516360512638
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fcd553a8b336f574,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-29 12:29:33 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!ucbvax!TECNET1.JCTE.JCS.MIL!mgb
From: mgb@TECNET1.JCTE.JCS.MIL
Newsgroups: rec.ham-radio
Subject: costs... (long)
Message-ID: <9007291929.AA23143@tecnet1.jcte.jcs.mil>
Date: 29 Jul 90 19:29:33 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 130
Posted: Sun Jul 29 20:29:33 1990

<PLB%PSUARCH.BITNET@CORNELLC.cit.cornell.edu>
"P Bandini, PSU Arch Dept, 814/863-0062" writes:
>Frankly, I don't have hard facts. That would require survey, data analysis,
>etc, and all it would provide is confirmation of a basic truth that we
>already know about: there is no free lunch. Anything that is in limited
>supply does cost (land, water, spectrum...)

A logical statement can be made about supply and demand. Cell sites are built to "supply" a service. There is a certain amount of overhead cost that is required to do this. It is NOT a trivial amount. A business person in cellular or land mobile service does NOT design his system to meet emergency or overload conditions. If he or she did, it would reduce profit by the requirement of higher equipment installation and maintenance costs that would be used only rarely. Even if someone DID consider it, they realize that in such an emergency, there are going to be other choke-points such as the Telco switch itself. It is just not logical (profit-wise) to do so.

>Lately we've been hearing a lot about how saturated landline phones AND cell
>phones become in case of an emergency. A gut reaction is "if they had more
>channels, the saturation threshold would be higher, right?"

Let us say that this is true. You would pay DEARLY for the cost it would take to implement this. You would be paying for peak demand versus average demand and the normal customer would not tolerate the additional costs. Most especially so if even with the additional capacity of the cells, the call could not be completed due to overload of the Telco switch. I.E. You would be paying more for the privilege of hearing a busy signal from the Telco.

A much more logical method is to use the existing bandwidth more efficiently rather than just adding more channels (which means more equipment, which means more maintenance, which adds up to more $$$) This is why the "digital" radios are being pushed! In addition, when this happens... the customers will all have to go out and buy NEW radios... (maybe not all at once but eventually) this is called "planned obsolescence" and is a favorite revenue producing trick. Ask some of your Motorola dealers sometime what they do with old radios that are "traded in" on newer models. In many MANY cases, the dealers are told to SCRAP the old radios. Not give them to hams, or sell them on the side.. just SCRAP them. Reason? Motorola no longer has to stock spare parts support for the older models and thus can reduce their parts overhead.

>Also, more channels = more customers = lower cost per customer, right?
>(At least, that's what has happened for just about anything I can think of)

Up to a POINT that is true. There is a balance ratio between number of cells versus number of users. That exact balance equates to the maximum profit. Deviate from it either way and you will start losing money. It is logical for the cell system operator to overload his system rather than underload it by design. It is a safer practice and is more likely to generate a consistent income. Always remember.. the purpose of cellular telephone is to MAKE MONEY. Every decision that they make is based on that premise.

>So, since we are not really arguing about this basic truth, the question
>could be "Am I willing to pay for your 'service' through a higher cell phone
>bill?" I might, but then we'd have to enter a less ambiguous contract: how
>do I access your 'service'? where do I find you when I need you? can you
>guarantee the accuracy of your 'service'?

Exactly! Would you enter a contract where the cell operator says "I will provide you with a 95% guarantee that I will get you to a Telco switch and in order to do that it will cost you $xx.xx amount more... but after that there are no promises!"? Maybe YOU would, but the average person would not, at least that is the general thought of the cell operators. Plus, keep in mind... THEIR profit margin. If they think that adding this capability would enhance their PR and bring in more customers, then they might do it. Logic says that it would be a bad risk unless there are a LOT of emergencies to keep this thought uppermost in the customers mind.

(sorry, but "your cousin in SF is ok" just won't do... when I *hear* her
>voice I will *know* she's ok...)

I would suggest then that the best solution for you and your cousin is for you both to become Amateur Operators.

>I would like to extend my sympathies to all volunteers of all kind, whether
>it be driving an ambulance, or preparing hot food in a shelter. I hope these
>comments will not be interpreted as an attempt to minimize their (in)valuable
>contributions.

I have to admit that it appeared to me that your comments just might be trivializing the importance and amount of service provided by Amateur operators during major emergencies and that you feel that such services could be better served by releasing the spectrum to commercial interests.

With this thought in mind, I have to say that you are more than likely always going to get the best EMERGENCY service from Amateur Radio simply because they are not profit motivated and are willing to switch their spectrum from hobby use to total emergency service on a moments notice. Commercial service operators are just that.... commercially motivated. They will ALWAYS plan a system with the maximum profit in mind and not "once in a blue moon" emergency conditions. If they can do the second while not affecting the first, they will. Otherwise, I would not care to count on it.

>However, I'm wondering if in the case of emergency communications, ham
>radio is the *best* we can have... comments anyone?

Absolutely NOT! In the case of emergency communications, there are a LOT of better methods than "Amateur Radio".   Military Satcom comes to mind where a small radio and little fold out dish (about 1 foot by 1 foot) can be made operational in a matter of minutes, can talk across the continent or across the street, and can be made secure in a few seconds AND can be used by most any halfway trained operator. This is just one example but there are many MANY more! Ham radio in no way represents the *best* of theoretically possible communications methods. But it *IS* usually available first and can inherently handle a higher volume of trivial traffic than can the "designed for emergency" systems. You have to realize that whether or not your "cousin is ok" is a VERY TRIVIAL matter in the total scope of emergency communications. If there is enough depth available to handle such messages, that's great.. but in major emergencies Amateur Radio has time and time again been initially utilized as THE ONLY communication available at the disaster site. Once better methods are in place to handle the REALLY important traffic, ham radio can be released to handle secondary (trivial) traffic such as health and welfare.

Please understand, I realize that knowing whether people are dead or alive is a very important thing TO YOU. But if you don't know about this person, he or she will survive and so will you. Matters concerning medical supplies for the dying, potable water and drugs to prevent major outbreaks of infectious diseases and the local coordination of emergency recovery services take implicit priority over the status of relatives.

Ham radio provides the very necessary DEPTH, and sometimes is the ONLY communication for these matters. As such it is well worth keeping the spectrum for, would you not agree?

Mark Bitterlich
mgb@tecnet1.jcte.jcs.mil

From 492095364587037605
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c1687312e470a66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-29 13:56:10 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!helios.ee.lbl.gov!nosc!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley)
Newsgroups: rec.ham-radio
Subject: Re: Re:What to do with N0MFW?
Message-ID: <3746@crash.cts.com>
Date: 29 Jul 90 20:56:10 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 20
Posted: Sun Jul 29 21:56:10 1990
X-Local-Date: 29 Jul 90 13:56:10 PDT

Ok, John, you did so well on your first assignment, now you get to work over a more difficult call sign. Yup,you guessed it, it's mine. A really nifty one to boot. If always thought that the local FCC head dud had it in for me 'cuase he caught be boot-leggin' on CB back in the 70's. I made the mistake of telling him that I really wanted to be a HAM and would give up my CB license, earn a HAM ticket, if only he would forgive that $200 fine....and the rest is history....

Oh, ya, my super-duper, hum-dinger call is -------> WB6WUI

```
                        ...enjoy,
                                        Mike
                                                de Sandy Eggo

**************************************************************************
Mike Shirley,  WB6WUI        INET: mikey@pnet03.cts.com
PO Box 460                   ARPA: crash!pnet03!mikey@nosc.mil
Lakeside, CA  92040-0460     UUCP: {hplabs!hp-sdd nosc}!crash!pnet03!mikey
**************************************************************************
```

From -8956644256907693804

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11f73b5dc073ff94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-29 14:19:09 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!usc!apple!portal!cup.portal.com!Jeepster
From: Jeepster@cup.portal.com (John L Ferguson)
Newsgroups: rec.ham-radio
Subject: Re: RE: Costs...
Message-ID: <32221@cup.portal.com>
Date: 29 Jul 90 21:19:09 GMT
References: <59BB39B14C1F0001BB@PSUARCH.Bitnet>
Organization: The Portal System (TM)
Lines: 15
Posted: Sun Jul 29 22:19:09 1990

Theoretically, the costs should be lower. However, I highly doubt it. One reason is greed. Why should the cellular companies lower their prices? They've got a great deal. And with more channels they rake in more profit. The 'public' doesn't need to know where the channels came from. Come to think of it, they (the cellular companies) might even advertise... "Use our company, Cell 2000. We have many more channels whyich you can use for only the base cost plus a slight nominal charge." Indeed, the cost *might* go *up*. Perceived value...

Just which frequencies should these new channels come from? Regardless where they come from, new antennas will need to be installed (assuming they come from the ham bands). The current antennas wouldn't be tuned to the new frequencies.

John KB0HBX

From -5696475011025935243
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6689244f30762af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-29 14:38:19 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!VAX1.CC.UAKRON.EDU!math-cs.kent.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: Communicator Class
Message-ID: <1990Jul29.213819.21069@NCoast.ORG>
Date: 29 Jul 90 21:38:19 GMT
References: <9007290222.AA01282@tecnet1.jcte.jcs.mil>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 24
Posted: Sun Jul 29 22:38:19 1990

As quoted from <9007290222.AA01282@tecnet1.jcte.jcs.mil> by

mgb@TECNET1.JCTE.JCS.MIL:
+---------------
| >And I don't understand the need to test for a mode that is not commonly
| >used on the frequencies granted by the license.
|
| If the licensed person is granted the privilege to operate this mode, then
| it holds true that some basic understanding of the mode should be tested
| for. The fact that it is not commonly used RIGHT NOW should not detract
| from that. The only way to do it otherwise is to test someone only on
| what they are interested in. Then what? Do they get access to "those
| other modes" by default, or are they withheld?
+---------------

Show me the Novice questions on packet that weren't on the test I took. Novices are allowed to work packet on 220, after all, and even have a specific waiver of the repeater license class minitation for digipeaters.

Of course, all this proves is that the tests aren't particularly consistent....

++Brandon
--
Me: Brandon S. Allbery   VHF: KB8JRR on 224.50 (Lake County, OH)
Internet: allbery@NCoast.ORG   Delphi: ALLBERY
uunet!usenet.ins.cwru.edu!ncoast!allbery America OnLine: KB8JRR

From -7264102487804214139
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2427f201a5e7fc34,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-29 18:44:51 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: Spread Spectrum Interference
Message-ID: <9007300144.AA21780@cmr.ncsl.nist.gov>
Date: 30 Jul 90 01:44:51 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
     formerly National Bureau of Standards
Lines: 16
Posted: Mon Jul 30 02:44:51 1990

The people who have commented here seem to have forgotten the possibility of interfernce from SS to weak-signal ham activities. W1EJ tells me that he calculated the increase in noise floor from a 440 MHz SS rig he saw advertised.... the increase was 3 dB at a free-space distance of 50 miles from the one-watt rig when something like twice the bit rate away. The rig had little RF filtering, but the key point is that the EME activities would have been clobbered even with many 10s of dB better filtering, if the distance was a few miles. We're talking about 100-150 dB supression of the redundant outer sidebands. Low level filtering can make it cheaper, but the linearity requirements are severe and will still call for good filtering after the final amp.

Or so he says.

Bob W3OTC

From 6317673565602968741
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b44dd78fac4b23a7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-29 20:47:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!tut.cis.ohio-state.edu!rutgers!att!occrsh!akgua!atl2!valha1!jal
From: jal@valha1.ATT.DSG (Joseph A. Leggio)
Newsgroups: rec.ham-radio
Subject: Microprocessor controlled NiCad DIScharger (was: August QST)
Message-ID: <569@valha1.ATT.DSG>
Date: 30 Jul 90 03:47:51 GMT
References: <1990Jul29.060743.9570@bellcore-2.bellcore.com>
Organization: AT&T Customer Software Services Center, Valhalla, NY
Lines: 43
Posted: Mon Jul 30 04:47:51 1990

From article <1990Jul29.060743.9570@bellcore-2.bellcore.com>, by karn@thumper..bellcore.com (Phil R. Karn):

> I think the aforementioned article would be better titled "A Microcomputer-Controlled NiCad-Battery DIScharger." If you look closely at the schematic, especially the interface between figs 1 and 2, you will note that there is no direct path between the constant current source and the battery, and furthermore the MOSFET pass transistor is bridged across the battery terminals.

And I thought that I was the only person to notice that the two halves of the schematic did not make sense when connected.

Now, who noticed that the microcode (Assembly Code Listing) was NOT available from the ARRL! Between the incorrect schematic AND the lack of a program listing for the microprocessor there is little chance of successfully constructing the project without purchasing the kit from the author.

I understand the lack of space in the magazine to print the listing, but it should be available to those who request it. Otherwise I feel the article is nothing more than a subtle advertisement for a high priced charger.

Question:

Could the same effect (that of turning off the high current charge rate once a voltage peak is detected) be accomplished in an analog circuit?

Answer: YES!

> If you used an op-amp, fed both inputs through long time constant integrators from the NiCads. Make one of the time constants 3-4 times the length of the other. Then, the output would change state after the voltage "peak" of the charged NiCad occurs. Use an SCR (or a flip/flop) to switch the charge rate to a trickle rate. Yes, I know it isn't as sexy as a microprocessor controlled charger, but, it would probably work just fine. I'll probably breadboard one to give it a try.

Joseph Leggio WB2HOL   ARRL Member since 1976
att!valha1!jal

From -2192157940111771060
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6d94886ae81ec615,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-29 20:58:59 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!batcomputer!cornell!uw-beaver!zephyr.ens.tek.com!tektronix!sequent!crg2.uucp!dale
From: dale@crg2.uucp (Dale Mosby)
Newsgroups: rec.ham-radio
Subject: Wanted SANTEC ST-20T manual
Message-ID: <39594@sequent.UUCP>
Date: 30 Jul 90 03:58:59 GMT
Sender: dale@sequent.UUCP
Organization: Sequent Computer Systems, Inc.
Lines: 19
Posted: Mon Jul 30 04:58:59 1990

I picked up a used 2 Meter rig with no manual. It is a SANTEC ST-20T. Mostly a clone of my ICOM 02AT and I can set frequency and repeter offset, but don't know how to program for subtones, or even set the clock. Wouldn't think that would be to hard, but I haven't figured it out yet.

If anyone has one of these and can copy the manual I sure would appreciate it. Send me e-mail, uunet!sequent!dale is a good path. I have been on vacation for three weeks with one more to go so I'm not reading the net or mail regularly.

Thanks to the responses for my request for the TS-430S manual. I got one, have some thank you mail to send out for the other responses on that request, time away from computer has interfered with that.

{ uunet pur-ee tektronix sun ogcvax cs.utexas.edu } !sequent!dale
Dale Mosby   503-626-5700 N7PEX // Sequent Computer Systems, Inc.

```
   15450 SW Koll Parkway             // Beaverton, Or.  97006-6063


From -6886449268907392609
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7b2752a2d91a67a1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-29 22:00:38 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!texbell!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: PL Repeaters
Message-ID: <_LV&1#D@splut.conmicro.com>
Date: 30 Jul 90 05:00:38 GMT
References: <1990Jul23.202158.7375@bellcore-2.bellcore.com>
<1990Jul25.125815.928@csense.uucp>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 16
Posted: Mon Jul 30 06:00:38 1990

In article <1990Jul25.125815.928@csense.uucp> bote@csense.uucp (John Boteler)
writes:
>It's about time ham repeater operators crawled out of the 1960s and
>realized that in order for everyone to have his own repeater
>fiefdom, technological advances such as PL must be utilized to the
>fullest.

While I'll be the last to say that PL is a bad idea, I have to say that
it's not the panacea that many have held it out to be. You can't change
the laws of radio - especially such things as heterodynes and capture
effects - with a PL encoder.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
"It's a hardware bug!" "It's a      +--------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_


From 6925652182192420632
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,689a5f24e5fdf356,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 02:50:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!sdd.hp.com!decwrl!
ucbvax!ds0mpa51.bitnet!mletzko
From: mletzko@ds0mpa51.bitnet
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <0649334733@uwovax.uwo.ca>
Date: 30 Jul 90 09:50:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
```

Organization: The Internet
Lines: 2
Posted: Mon Jul 30 10:50:00 1990

unsubscribe

From -3448208568360302583
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 05:26:12 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!usc!cs.utexas.edu!wuarchive!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!ryn.esg.dec.com!ultnix!taber
From: taber@ultnix.enet.dec.com (Patrick Taber)
Newsgroups: rec.ham-radio
Subject: Re: extra exam matter Re: Qualification-based licensing
Message-ID: <2359@ryn.esg.dec.com>
Date: 30 Jul 90 12:26:12 GMT
References: <10437@crdgw1.crd.ge.com> <900724-020327-19183@Xerox> <38845@cci632.UUCP> <16164@ucsd.Edu> <38860@cci632.UUCP> <1096@ke4zv.UUCP> <38897@cci632.UUCP>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick Taber)
Organization: Murder Inc.
Lines: 18
Posted: Mon Jul 30 13:26:12 1990

In article <10437@crdgw1.crd.ge.com>, perley@galaxy (Donald P Perley) writes:
|> I just started skimming through the ARRL extra study manual. It seems
|> odd to me that they have as much as they do on space operation regulations.
|> Since they only apply to transmissions originating in space (not someone on
|> earth using OSCAR), how many hams could these rules apply to?
|>
Easy question. They apply to all hams who are Extras. One of the privileges of being an Extra is permission to operate from space. (Does the Shuttle count as a DXCC country?) Thus you are prepared for questions on these new privs in the study guide for Extra.

>>>==>PStJTT
Patrick St. Joseph Teahan Taber

My employer doesn't care what I think. I, in turn, don't care what you think. You probably don't care what my empolyer thinks. Thus is life a circle.

From 5856137917171713742
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,39d65d3afc18c92f,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 07:25:05 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!elroy.jpl.nasa.gov!ames!dftsrv!dpalace
From: dpalace@sunland.sunland.gsfc.nasa.gov (dick palace)
Newsgroups: rec.ham-radio
Subject: PRO-34 Questions
Message-ID: <DPALACE.90Jul30102505@sunland.sunland.gsfc.nasa.gov>
Date: 30 Jul 90 14:25:05 GMT
Sender: news@dftsrv.gsfc.nasa.gov
Distribution: rec.ham-radio
Organization: Goddard Space Flight Center, Greenbelt, MD
Lines: 11
Posted: Mon Jul 30 15:25:05 1990

I would appreciate if someone could tell me the number of the diode
to cut and it's location on the PC board, so that I could restore full
800 MHZ coverage.
Also, is it possible to get 200MHZ-400MHZ with this scanner?
Thanks in advance.

WB3CSI
--
Dick Palace   Goddard Space Flight Center   (301) 286-9464

dpalace@sunland.gsfc.nasa.gov

From 5335384000090442902
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7af86dfe73bbb913
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7af86dfe73bbb913
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-30 07:31:58 PST
Path: gmdzi!unido!mcsun!hp4nl!phigate!philica!geertj
From: geertj@philica.ica.philips.nl (Geert Jan de Groot)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: ICOM IC-R1 Review
Message-ID: <639@philica.ica.philips.nl>
Date: 30 Jul 90 14:31:58 GMT
References: <1990Jul26.001037.21586@portia.Stanford.EDU>
Reply-To: geertj@ica00.ica.philips.nl (Geert Jan de Groot)
Organization: Philips TDS, Innovation Centre Aachen
Lines: 17
Xref: gmdzi rec.ham-radio:13415 rec.radio.shortwave:1718
Posted: Mon Jul 30 15:31:58 1990

In article <1990Jul26.001037.21586@portia.Stanford.EDU> paulf@jessica.Stanford.EDU
(Paul Flaherty) writes:
>   By now, just about everyone has seen the ads for ICOM's new wideband
>receivers. And, by now, just about everyone also knows that the R1, and
>the R100 are not available in the US, and will not be for some time, due
>to production problems as well as legal difficulties. However, for a few

```
>hams who are lucky enough to be able to travel to Japan on a regular, it
>is possible to buy an R1.  The list price is Y54,000; actual prices vary in
>the Y43,000 to Y48,000 range.  This translates to around $300US, certainly
>not bad for a miniature wideband receiver.

During the AMSAT-UK satelite colloquium in Surrey, Great Britain, I saw
the ICOM R1 ready available. I forgot to write down the price, sorry.
Anyway, if someone comes over to the UK, you can get one there.
I believe it is also available in other European countries, but have
not checked. If you're going on a business trip..

Geert Jan



From 4536424273551746572
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1b294491f7a6e4aa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 08:30:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!swrinde!zaphod.mps.ohio-
state.edu!wuarchive!udel!haven!mimsy!fe2o3!michael
From: michael@fe2o3.UUCP (Michael Katzmann)
Newsgroups: rec.ham-radio
Subject: Re: Stripline inductors
Keywords: striplines microwaves fabrication-techniques
Message-ID: <372@fe2o3.UUCP>
Date: 30 Jul 90 15:30:00 GMT
References: <1990Jul27.141038.26662@bnrgate.bnr.ca>
Reply-To: michael@fe2o3.UUCP (Michael Katzmann)
Organization: Rusty's BSD machine at home
Lines: 66
Posted: Mon Jul 30 16:30:00 1990

In article <1990Jul27.141038.26662@bnrgate.bnr.ca> mleech@bcarh342.bnr.ca (Marcus
Leech) writes:
   >
   >In all the treatments of stripline design that I've read (including the
   >  "classic" Stripline Circuit Design, by Harlan Howe)--all the design
   >  equations assume a three-layer structure like this: (where =====
   >  represents a stripline inductor).
   >
   >
   >        -----------Upper-Ground-Plane----------------
   >        \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
   >        \\\\\\\\\\\\\\\\=====\\\\\\\\\\\\\\\\\\\\\\\\
   >        \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
   >        -----------Lower-Ground-Plane----------------
   >
   >  in this scenario, the stripline inductor is surrounded by
   >  a dielectric material of constant Er.
   >
   >In "real life", one is much more likely to see a structure like this:
   >
   >        .air.......................................
   >        .............air...........air...........
   >        .........................................
   >        .....air.........=====.....air............
   >        \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
   >        \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
   >        -----------------Lower-Ground-Plane----------
   >
   >   without an upper ground plane (or at least one that is far enough away
   >   relative to the lower one to be irrelevant).
   >
   >Can someone point me to some literature that deals with the "real-life"
   >   situation of a mixed environment.
   >-----------------
   >Marcus Leech, 4Y11             Bell-Northern Research  |opinions expressed
   >mleech@bnr.ca                  P.O. Box 3511, Stn. C   |are my own, and not
   >VE3MDL@VE3JF.ON.CAN.NA         Ottawa, ON, CANADA      |necessarily BNRs
```

The confusion lies in that you should be looking in books describing microstrip inductors rather than stripline inductors. I would not say that you are more likely to see a microstrip circuit in "real life" than a stripline. In general it is easier to fabricate a microstrip line than a stripline circuit but microstrip suffers from dispersion since some of the field lines travel in the slow dielectric and some in the faster air. So depending on your application one may offer advantages over the other.

You could try "Microstrip Lines & Slotlines" by K.C. Gupta et al.

You could also look-up back issues of "RF design" magazine. There was an article that gave all the relevent equations, which appeared about 2 years ago.

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---------------------------------------------------------------------
email to
UUCP:       uunet!mimsy!{arinc,fe2o3}!vk2bea!michael
                              _ _ _                        _
     Amateur  |    VK2BEA   (Australia)      ' ) ) )      /           //
     Radio    |    G4NYV    (United Kingdom)  / / / o _. /_  __.  _  //
     Stations|    NV3Z  (United States)     / ' (_<_(__/ /_(_/|_</_</_
```

Michael Katzmann
Broadcast Sports Technology.
2135 Espey Ct. #4
Crofton Md. 21114 USA

Ph: +1 301 721 5151

From -3455138229971070608
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e0dc0f778b54d71
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-07-30 08:40:51 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!hplsla!charlier
From: charlier@hplsla.HP.COM (Charlie Panek)
Newsgroups: rec.ham-radio
Subject: Re: AMSAT News, 7/21/90
Message-ID: <5720080@hplsla.HP.COM>
Date: 30 Jul 90 15:40:51 GMT
References: <947@ssc.UUCP>
Organization: HP Lake Stevens, WA
Lines: 27
Posted: Mon Jul 30 16:40:51 1990

>DOVE-OSCAR-17 RETURNS TO SERVICE!
>
>After a four month sojourn in a computer coma, DOVE-OSCAR-17 returned to
>service on July 22nd at 02:41 UTC when N4HY commanded its 2M transmitter on.
>As it passed over the horizon at his QTH, he knew immediately that the tedious
>and time consumming "auditory" software loading process had been successful
>and that this time the on-board computer (OBC) would not crash. Later,
>ZS6HKV heard DOVE's 2M beacon on 145.825 MHz at 06:50 and again at 08:26
>UTC over South Africa. ZS6AKV and stations in Zimbabwe heard DOVE sending
>ASCII telemetry for 2.5 minutes and then stop for half a minute, and then
>repeat this cycle again and again. At the present time DOVE's RF output power

I listened to the AMSAT net this past Sunday (7/29). It seems that after
3 days on the air, DOVE has shut down again. Apparently, though, this time
it is due to 'pilot error'. N4HY got DOVE working just before leaving
for a conference in England, and passed babysitting responsibilities on
to someone else while he was gone. DOVE has a 3-day watchdog timer in it
that will shut down the 2m transmitter if a certain command is not received
from the ground on a regular basis. Since there was some confusion about
what command that was, apparently this timer has timed out. The bulletin
predicts resumption of transmissions after N4HY returns sometime this week.

Charlie Panek (UUCP: hplabs!hp-pcd!hplsla!charlier)
KX7L   (domain: charlier%hplsla@hplabs.hp.com)

(Tad: nice to meet you at the party last week!)

From -4783463553993218561
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe1482054b817262
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 09:24:28 PST
Path: gmdzi!unido!mcsun!uunet!ncrlnk!ncrwic!encad!entec!kthompso
From: kthompso@entec.Wichita.NCR.COM (Ken Thompson)
Newsgroups: rec.ham-radio
Subject: Re: Cellular telephone as emergency service?
Message-ID: <607@entec.Wichita.NCR.COM>
Date: 30 Jul 90 16:24:28 GMT

References: <9007192350.AA07535@ucsd.edu> <1990Jul20.175844.8030@ariel.unm.edu>
<1990Jul21.164302.19756@ameristar>
Reply-To: kthompso@entec.UUCP (Ken Thompson)
Organization: NCR Corporation, Wichita, KS
Lines: 8
Posted: Mon Jul 30 17:24:28 1990

I find it interesting that Rick Spanbauer measures spectrum in dollars.

--
Ken Thompson   N0ITL
NCR Corp. 3718 N. Rock Road
Wichita,Ks. 67226 (316)636-8783
Ken.Thompson@wichita.ncr.com

From -3848979682879998541
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6eaa5795761dedf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 09:41:34 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!XEROX.COM!"Eric_Rawson.PARC"
From: "Eric_Rawson.PARC"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Engineering help solicited: low-pass audio filter for the HTX-100 10 m SSB XCVR
Message-ID: <900730-094140-10059@Xerox>
Date: 30 Jul 90 16:41:34 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 34
Posted: Mon Jul 30 17:41:34 1990

The Realistic HTX-100 25 watt 10 meter SSB rig is pretty satisfactory in many ways.   It offers a cost effective way to get on 10 SSB mobile, and gives a small saving compared to the fuller functioned Uniden unit from which it is derived. In my car with a quarter wave whip I work Japan, Australia, and New Zealand regularly from CA while commuting.

However, I have noted one flaw that bugs me; the receiver bandwidth is too broad. With weak signals there is far more static white noise crashing in the background at high audio frequencies than is necessary. Its so bad, in fact, that I can often improve intelligiblilty (in marginal conditions) by switching to CW mode, where the bandwidth is probably less than 1 kHz. Sure, this cuts down on the audio BW to less than the 3 kHz or so which most would say is near optimal for SSB audio, but it also cuts down on the static noise background even more, for a net gain. This says to me that the SSB mode audio BW is larger than optimal (for weak signals).

I suppose the ideal fix would be to use a narrower IF bandpass, but that too complex a mod. How about instead a simple mod which puts a low-pass

```
audio filter in front of the final audio amplifier?  Has anyone done this?
I can imagine a small PC or perf board with an IC amp chip and a few R's
and C's fitting inside the case somewhere, which rolls the audio off
sharply above 3 kHz.  Maybe it should have an on-off switch, so in strong
signal conditions you could switch it off and have nicer audio.

IMHO, such a mod would make a very useful improvement to the HTX-100.
Probably, such a mod would be usable in the Uniden "parent" unit as well.

Anybody interested in engineering such a mod, and passing on the details?
Alternatively, if someone can design it but doesn't want to build it, I'll
do the layout, build it, and test it.

Eric Rawson, WB6DDE
Xerox PARC



From -7734913722228387863
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c1687312e470a66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 09:42:34 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!swrinde!zaphod.mps.ohio-
state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: What to do with N0MFW?
Message-ID: <1250206@hpnmdla.HP.COM>
Date: 30 Jul 90 16:42:34 GMT
References: <7880194@hpfcdc.HP.COM>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 13
Posted: Mon Jul 30 17:42:34 1990

>Ok, John, you did so well on your first assignment, now you get to work over a
>more difficult call sign.  Yup,you guessed it, it's mine.  A really nifty one
...
>Oh, ya, my super-duper, hum-dinger call is ------->  WB6WUI

----------

the "West's Ugliest Idiot"
"Whiskey Before 6 - We're Under the Influence"
"We Brought 6 Women Under the Influence"
"We Broadcast 6 Watts Until Insanity"

Al   N1 "Able Lover"



From 954972523294853226
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,78f7ee0600a9f913,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1990-07-30 10:03:00 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!brutus.cs.uiuc.edu!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!sacemnet.af.mil!lwrclmr
From: lwrclmr@sacemnet.af.mil ("LWRCLMR")
Newsgroups: rec.ham-radio
Subject: Hustler Antennas
Message-ID: <9008012038.AA14291@ucsd.edu>
Date: 30 Jul 90 17:03:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25
Posted: Mon Jul 30 18:03:00 1990

OK Folks,

Here's an interesting one for you antenna experts. I recently put a couple of HF antennas on my van. I used Radio Shack mirror mounts, springs, and Hustler's new MO-4 masts. I have five bands worth of resonators, all with excellent results EXCEPT 20 meters. If the whip is too short and resonates above 14.45 or so, I can get a good bandwidth and almost 1:1 SWR. Same thing below 14.00. In fact I can get a good 175 or so kHz almost 1:1 bandwidth from around 13.10 to 15.00 by adjusting the whip EXCEPT for 14.00-14.45, where I cannot get it below about 2.5:1! I have used both mounts, changed coax, springs on and off, moved/removed other antennas on the vehicle, done everything except exchange the resonator. All other bands work great. I can put my tuner in line and bring it down, but I would like to get by without the tuner. The radio I am using is an ICOM IC-720A.

If anyone has any suggestions, I would be most appreciative. Please e-mail or post, preferably both. I have tried just operating with the high SWR, but no one seems to hear me. There is no noticable drop in output power per the meter like I get with a really bad SWR, but in checking with other stations, there is a significant difference with the tuner in than out.

Thanks for any help any one may provide.

73,
Michael WA7SKG

From 817797373496410922
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9ef496601f7fb40f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 10:05:41 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!NISD.CAM.UNISYS.COM!doug
From: doug@NISD.CAM.UNISYS.COM (Doug Hardie)
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V1 #112
Message-ID: <9007301705.AA14764@KRONOS.NISD.CAM.UNISYS.COM>
Date: 30 Jul 90 17:05:41 GMT
Sender: daemon@ucbvax.BERKELEY.EDU

Organization: The Internet
Lines: 18
Posted: Mon Jul 30 18:05:41 1990

Subject: Re: Has anyone made any homemade valves...

When I was in undergrad school, EE, the department acquired a prof. who specialized in transistor construction. So the theory was each student would take a lab from him to build a transistor that would be used for all the remaining labs. Working transistors were generally not available at that time. We made junction transistors I believe. Details are quite difficult to remember. Anyway, they had to bake for several days at some outrageous tempreature. Seems that the janitor found the oven on and unplugged it - there was a rule that nothing could be left on at night. No amount of persuasion from the Dean ever solved that problem. As a result, most of the units were DOA. Mine must have been close to the center of the oven. It produced an amplified sine wave for close to a minute before going up in smoke. Our attempts at determining power dissipation were not very good. At least one of the units still worked at the end of the semester.

-- Doug

From -5395715636393602759
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67374fdf8dfe9b8d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 10:11:07 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!t-petesk
From: t-petesk@microsoft.UUCP (Peter SKELLY)
Newsgroups: rec.ham-radio
Subject: Re: More hams or Less - a view from across the Pond.
Message-ID: <56156@microsoft.UUCP>
Date: 30 Jul 90 17:11:07 GMT
References: <27.Jul.90.15:22:21.BST.#1327@UK.AC.NWL.IA>
Reply-To: t-petesk@microsoft.UUCP (Peter SKELLY)
Organization: Microsoft Corp., Redmond WA
Lines: 49
Posted: Mon Jul 30 18:11:07 1990

In article <27.Jul.90.15:22:21.BST.#1327@UK.AC.NWL.IA> PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon") writes:
>More hams or less; Well personally i am opposed to the 'more at almost any
>costs' approach. Here in the UK there is a forthcoming 'Novice licence'
>(3 watts on certain VHF bands without code, same power in certain
>HF bands with a 5WPM code test. No age limitations or anything).
>IMHO this is a retrograde step; what can you do with 3 watts on the HF
>bands when the guy down the road has 1Kw to a TH6DXX?
>I must admit total opposition to this idea. IMHO what we need are more
>innovators from the 'professional' side of electronics. Has anyone
^^^^^^^^^^^^
t>thought of a ham-bands version of cellular? Who is using spread spectrum

>and/or digital speech-compression (like in CT2 phones)? Has anyone applied
>high-temperature superconducting elements to ham radio?
>I do not believe that a 3-watts licence will introduce the sort of
>talent required to maintain (let alone develop) the true spirit of
>ham radio over the next ten years. Equally, I have no reason to suppose
>that the mandatory-code-test, head-in-the-sand ostriches have any real
>contribution to make. Why should a person have to pretend he is a
>modem in order to prove he is a 'real' ham??
>
>   Pete Lucas   PJML@UK.AC.NERC-WALLINGFORD.IBMA   0793411613
>
>P.S. I speak solely for myself. If captured, the Government will deny all
>   knowledge of my operations.

I hate to say it, but I think that the 'professionals' will keep their 'professionalism' where the money is. I think its too bad that we've proceeded to the point where ham technology is a few years behind commercial technology as opposed to commercial being behind hams. Realistically, I don't think hams are going to do the custom chip fabrication and so on needed to build these "cellular" systems. I know we could just use their technology directly, but then, just go buy a cell phone.

Hams do, however, have one thing over commercial technology. We are not market driven. This leavs a lot of room to try out unique, or even bizarre ideas which could be very useful in the future. There is no way commercial interests would put a lot of money into some of the projects that I've seen people come up with, but a lot of them are very good ideas.(I like the baloon launches myself). These creative ideas do not necessarily need people trained in professional engineering, and in most cases, this professional training impeeds things(you have to unlearn what they teach you to be creative).

Anyway, that's my liberal thought for the day.

Pete KB7GUD Skelly
microsoft!t-petesk

my opinions are my own.

From 4566805921996978523
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8491e585a0afd539,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 11:34:05 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!wuarchive!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio
Subject: R7000 Overload
Keywords: R7000
Message-ID: <3611@radio.oakhill.UUCP>
Date: 30 Jul 90 18:34:05 GMT
Organization: Motorola Inc. Austin, Tx

Lines: 25
Posted: Mon Jul 30 19:34:05 1990

>
>A couple of comments here:
> (1) the preamp AFTER the filter will have no beneficial effect at all
>   on a well designed receiver such as an R7000. Any good receiver has
>   more than enough gain - the enemy is noise, ie you want a good noise
>   figure. A 6dB insertion loss filter will add 6dB to your noise
>   figure, pre-amp or not! Once you have lost the SNR, you can never
>   improve it again.
>--
>John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john

My point was perhaps misunderstood. If the receiver is suffering from intermod/overload it is better to first filter (even at a loss) and then to amplify. If you don't do this then the large signals will MIX IN THE PREAMP and you'll have intermod city. Noise figure is a secondary concern if your receiver is wigged out by a 50KW FM broadcast transmitter. I live 4 blocks from a behemoth FM station. FET amps are only linear for small signal levels so if you drive a 200 mV signal into a FET preamp you are likely to get mix products with other signals as well as harmonics.

Low-loss passive filters would be the best way deal with the filter-before pre-amp problem.

 -C.T.

From -3570800841901763081
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1cde0d2667774611
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 12:14:47 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: battery questions
Message-ID: <7880227@hpfcdc.HP.COM>
Date: 30 Jul 90 19:14:47 GMT
References: <22480009@hpcuha.HP.COM>
Organization: HP Ft. Collins, Co.
Lines: 12
Posted: Mon Jul 30 20:14:47 1990

> NICAD CELL CHARACTERISTICS

I read this and none of it disagreed with what I've learned from my friend and the Sanyo and GE books. Of course when you have cells in a battery pack, it is unfortunately difficult to do anything with or to the individual cells.

"Wouldn't it be nice if" all battery packs had a standard connector that had two pins for each cell? To use the pack you'd attach a "series" connector. To charge the cells you'd use a "parallel" connector (with sufficient smarts in the charger to do the job right of charging and checking each cell).

From -2939217729156989861
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 12:15:01 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!uakari.primate.wisc.edu!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: extra exam matter Re: Qualification-based licensing
Message-ID: <10528@crdgw1.crd.ge.com>
Date: 30 Jul 90 19:15:01 GMT
References: <10437@crdgw1.crd.ge.com> <900724-020327-19183@Xerox> <38845@cci632.UUCP> <16164@ucsd.Edu> <38860@cci632.UUCP> <1096@ke4zv.UUCP> <38897@cci632.UUCP> <2359@ryn.esg.dec.com>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 35
Posted: Mon Jul 30 20:15:01 1990
In-reply-to: taber@ultnix.enet.dec.com (Patrick Taber)

In article <2359@ryn.esg.dec.com>, taber@ultnix (Patrick Taber) writes:
>In article <10437@crdgw1.crd.ge.com>, perley@galaxy (Donald P Perley) writes:

(re: exam questions on space operations)

>|> Since they only apply to transmissions originating in space (not someone on
>|> earth using OSCAR), how many hams could these rules apply to?
>|>
>Easy question. They apply to all hams who are Extras. One of the privileges
>of being an Extra is permission to operate from space.

Great. So I pass my exam, then write NASA that I want to operate from the shuttle? These rules don't apply to all extras, only the those with the means to launch a sattelite or get a ride on the shuttle. That is very few even compared with modes that most would consider pretty esoteric, like moonbounce.

I have also heard of astronauts without extra tickets being granted temporary priveledges for the duration of a flight. If that is routine procedure, then being an extra seems to have little to do with it.

Here is a more down-to-earth example. To get a ticket you have to pass various exam elements with designations like 3e, 4a, etc. In a sense, this affects every new ham. Once you get your license, those designators have zero effect on whether you will operate your station legally.

Supposedly the reason for the legal portion of the exam is to ensure that you know the rules well enough to operate within the law. What is the point of asking which designators are required for which class license when there are practical questions that won't get in for lack of room?

-don perley
perley@trub.crd.ge.com

From -5431246054339498105
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1cde0d2667774611
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 12:15:42 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: battery questions
Message-ID: <7880228@hpfcdc.HP.COM>
Date: 30 Jul 90 19:15:42 GMT
References: <22480009@hpcuha.HP.COM>
Organization: HP Ft. Collins, Co.
Lines: 5
Posted: Mon Jul 30 20:15:42 1990

>> Run about 30A through it very briefly (about a second?)...
> In which direction? The CHARGE direction or the DISCHARGE direction?

In the CHARGE direction. My friend says he uses a 50KuF electrolytic capacitor as the controlled source.

From 2852141975400955867
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e5828437963dfe4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 12:39:12 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Should I become a ham now or wait?
Message-ID: <7880229@hpfcdc.HP.COM>
Date: 30 Jul 90 19:39:12 GMT
References: <1990Jul25.140643.25493@chinet.chi.il.us>
Organization: HP Ft. Collins, Co.
Lines: 5

Posted: Mon Jul 30 20:39:12 1990

> Will the license structure change so radically or so differently that I
> will have wished I had waited?

Don't wait. Do it now! Morse code *will* improve your sex life,
guaranteed. You'll see!

From -8710130330394623165
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6dd70594c00b6d1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 12:47:47 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!mips!max!crisp
From: crisp@mips.COM (Richard Crisp)
Newsgroups: rec.ham-radio
Subject: Re: ICR1 and ICR100 available ex-stock.....
Message-ID: <40506@mips.mips.COM>
Date: 30 Jul 90 19:47:47 GMT
References: <26.Jul.90.17:09:07.BST.#0929@UK.AC.NWL.IA> <672@dg.dg.com>
Sender: news@mips.COM
Reply-To: crisp@mips.COM (Richard Crisp)
Organization: MIPS Computer Systems, Inc.
Lines: 15
Posted: Mon Jul 30 20:47:47 1990

In article <672@dg.dg.com> uunet!dg!lewine (Don Lewine) writes:
>decided not to import them because they are great cellular telephone
>receivers. Look for the IC-R1A with the cellular telephone freqs.
>deleted.

Come on, the R7000 will do a dandy job with cellular. Why would
Icom refuse to bring in the R1 on that basis. I keep hearing that
there is a patent infringement issue involving Uniden that is the
"real" reason that they are not being imported.

--
```
             Richard Crisp              crisp@mips.com
         MIPS Computer Systems        !decwrl!mips!crisp
          928 Arques MS 2-02            (408) 524-8177
          Sunnyvale, Ca 94086
```

From 8593856014510188181
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,849883754ae140a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 13:12:27 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!pacbell.com!pacbell!ptsfa!dmt
From: dmt@PacBell.COM (Dave Turner)
Newsgroups: rec.ham-radio

Subject: Re: Results of SURPLUS survey
Message-ID: <5348@ptsfa.PacBell.COM>
Date: 30 Jul 90 20:12:27 GMT
References: <1530049@hpsadle.HP.COM>
Reply-To: dmt@PacBell.COM (Dave Turner)
Organization: Pacific * Bell, San Ramon, CA
Lines: 15
Posted: Mon Jul 30 21:12:27 1990

In article <1530049@hpsadle.HP.COM> mikef@hpsadle.HP.COM (Mike Ferrara) writes:
.   San Carlos, J&H, 476 Industrial Way, take Holly exit off of 101,
.near corner of Industrial and Holly. Good supply of Aluminum tubing
.---
.Oakland/Berkeley
.--
.   Belmont, Jameco, 1355 Shoreway Road, (415) 592-8097.

Belmont is NOT near Oakland/Berkeley; it it next to San Carlos.

Jameco is about a mile from J&H, on the other side of 101.

--
Dave Turner   415/823-2001 {att,bellcore,sun,ames,decwrl}!pacbell!dmt

---

From 7515112206757178920
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11f73b5dc073ff94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 13:16:45 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
decwrl!shelby!portia.stanford.edu!jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: RE: Costs...
Message-ID: <1990Jul30.201645.3198@portia.Stanford.EDU>
Date: 30 Jul 90 20:16:45 GMT
References: <5A7AB6A06D9F000124@PSUARCH.Bitnet>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 21
Posted: Mon Jul 30 21:16:45 1990

In article <5A7AB6A06D9F000124@PSUARCH.Bitnet> PLB@PSUARCH.BITNET ("P Bandini, PSU Arch Dept, 814/863-0062") writes:
>Lately we've been hearing a lot about how saturated landline phones AND cell
>phones become in case of an emergency. A gut reaction is "if they had more
>channels, the saturation threshold would be higher, right?"
>Also, more channels = more customers = lower cost per customer, right?
>(At least, that's what has happened for just about anything I can think of)

...except telephone service. The marginal cost for adding an additional

customer to an existing cell system is zero (and it's nearly zero for POTS).
True, you ocassionally have to add another cell cite or MTSO, but that depends
on the _stochastic_ nature of the users, and not necessarily on the absolute
numbers. For example, you need a lot more cells during drive times than at
midnight...

What has gotten cheaper are the cellphones themselves, due to economy of scale
(and the use of old technolgy - NFM). Digital cellphones initially will be
more expensive, but economy of scale will drive them down as well; given the
larger market, the potential exists for even greater mass production savings.

-=Paul Flaherty, N9FZX/VK2WYX | "TEXAS! Has a USENET in it... (Lord have Mercy
->paulf@shasta.Stanford.EDU | on us all!)" -- _The Best Little Net in Texas_

From -5177152989218558571
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b44dd78fac4b23a7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 13:28:45 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!pacbell.com!pacbell!ptsfa!dmt
From: dmt@PacBell.COM (Dave Turner)
Newsgroups: rec.ham-radio
Subject: Re: Microprocessor controlled NiCad DIScharger (was: August QST)
Message-ID: <5349@ptsfa.PacBell.COM>
Date: 30 Jul 90 20:28:45 GMT
References: <1990Jul29.060743.9570@bellcore-2.bellcore.com> <569@valha1.ATT.DSG>
Reply-To: dmt@PacBell.COM (Dave Turner)
Organization: Pacific * Bell, San Ramon, CA
Lines: 42
Posted: Mon Jul 30 21:28:45 1990

In article <569@valha1.ATT.DSG> jal@valha1.ATT.DSG (Joseph A. Leggio) writes:
>Question:
>   Could the same effect (that of turning off the high current
>   charge rate once a voltage peak is detected) be accomplished
>   in an analog circuit?
>Answer: YES!
>   If you used an op-amp, fed both inputs through long time
>   work just fine. I'll probably breadboard one to give it
>   a try.

In Wireless World (Nov 1983) was a design for a Fast NiCd charger
that alternately charged and discharged batteries and detected the
difference between the peak charge and discharge voltages.
It claimed to charge batteries in an hour or so.

"The charger to be described in this article relies on a
voltage-sensing method, but a rather different one. If a
moderately heavy charging current is applied to a NiCd cell
for a short period, the terminal voltage will quickly rise
to a level somewhat higher than the voltage marked on the

> cell. Discharging the cell a little will reduce the terminal voltage once more. A repeating cycle will produce a succession of slowly rising 'peak' and 'trough' voltages, as shown in Fig. 1 [Not shown here, sorry.].
>
> "If the cycle is repeated for long enough (Fig. 2 [not shown]), there will come a stage at which the peak voltage is increasing much more steeply than the trough voltage. At this point the cell is losing the ability to accept further charge and the charger can be shut off. By measuring the trough voltage as a fraction of the peak voltage it is possible to make an end-point detector which works independently of the number of cells under charge, since the proportions will be constant whether there is just one cell or a dozen."

I haven't made one of these yet. Most of the parts substitutions are easily determined (but does anyone know a replacement for a BYX71-600?).

Mostly I need to get "a round TUIT".

--
Dave Turner   415/823-2001 {att,bellcore,sun,ames,decwrl}!pacbell!dmt

```
From -52996884191164439
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0c423ef3e2fcf52,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 13:49:56 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!ucsd!ucbvax!GNOS.NIST.GOV!TJB
From: TJB@GNOS.NIST.GOV
Newsgroups: rec.ham-radio
Subject: Apple II HAM Software
Message-ID: <9007301641440E9.AYQP@CSCS855.CS2>
Date: 30 Jul 90 20:49:56 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Mon Jul 30 21:49:56 1990
```

I have an Apple II Plus that isn't doing much except gathering dust.
I figure it could have a meaningful existance if it could contribute to
HAM radio.
Is anyone aware of:

- Software for RTTY, CW, Packet, ...? Freeware, shareware, retailware?
- BBS for Apple II's with emphasis on HAM radio?
- Ways of using the cassette input and output port as a tone modulator or demodulator?
- Logging programs, direction finders, radio controllers, etc.?

Send replies via INFO-HAM or directly to my BITNET address: TJB@NISTCS2

Thanks in advance, Tom Buckley.

From -5726053708831422918
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-30 16:47:44 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: extra exam matter Re: Qualification-based licensing
Message-ID: <1990Jul30.234744.19777@bellcore-2.bellcore.com>
Date: 30 Jul 90 23:47:44 GMT
References: <10437@crdgw1.crd.ge.com> <900724-020327-19183@Xerox>
<38845@cci632.UUCP> <16164@ucsd.Edu> <38860@cci632.UUCP> <1096@ke4zv.UUCP>
<38897@cci632.UUCP> <2359@ryn.esg.dec.com> <10528@crdgw1.crd.ge.com>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 22
Posted: Tue Jul 31 00:47:44 1990

In article <10528@crdgw1.crd.ge.com>, perley@galaxy (Donald P Perley) writes:

> I have also heard of astronauts without extra tickets being granted temporary priveledges for the duration of a flight. If that is routine procedure, then being an extra seems to have little to do with it.

There has yet to be an American 'ham in space' with an Extra ticket. ALL of them have obtained waivers. Agreed, the rule is pretty silly.

Being one of the very few people who have actually helped prepare an application for space operation (as part of the early Pacsat work) I can say that I looked up the requirements in the rules. As I recall, there weren't any questions about space operation on my Extra test in 1973, and even if there were I wouldn't have relied on my memory.

Amateur exams have a problem shared with many other exams - they test one's ability to do rote recall rather than test one's ability to reason out solutions to problems. And nowhere is there more undiluted emphasis on rote recall than in the CODE test...

Phil

From 2116788860446814З1
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e5828437963dfe4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 08:34:47 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!zaphod.mps.ohio-state.edu!
samsung!rex!wuarchive!emory!wa4mei!ke4zv!gary

From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Should I become a ham now or wait?
Message-ID: <1097@ke4zv.UUCP>
Date: 26 Jul 90 15:34:47 GMT
References: <1990Jul25.140643.25493@chinet.chi.il.us>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: none
Lines: 25
Posted: Thu Jul 26 16:34:47 1990

In article <1990Jul25.140643.25493@chinet.chi.il.us> megabyte@chinet.chi.il.us
(Dr. Megabyte) writes:
>All of this is interesting but for myself it all boils down to this: Is
>getting a novice ticket now a desirable thing? Will the license structure
>change so radically or so differently that I will have wished I had waited?
>Will digital modes, commercial interests stealing freqs, no code, and the
>"decline" of ethics among operators so change the hobbie with in a few
>years that what I see that I like, the chance to share my love of meeting
>new people and friends who share a common technical and tinkering interst
>be gone?

Go for it! It may get better, it may get worse, but it's fun now.

>
>Or is the best yet to come? I feel somewhat strange attending my local ham
>radi clubs meetings as I'm 27 and everyone is so OLD. On the other hand, I
>have a friend who is a 12 year old extra... but he didn't join the club
>becuase "It's judt a bunch of old guys who hate me because I'm so young."
>Is ham radio an "Old man's hobbie" where young people are looked down upon?
>It doesn't seem that way from what I hear on the air, but it seems to be at
>ham fests and other gatherings I go to.

Unfortunately ham radio is an old man's hobby these days, but hopefully
with an influx of young eager people that can change.

Gary KE4ZV

From -8560066622504461402
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b0863edfb131780
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,9b0863edfb131780
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-07-26 08:43:18 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!zephyr.ens.tek.com!gvgpsa!gold!grege
From: grege@gold.GVG.TEK.COM (Greg Ebert)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Has anyone made any homemade valves (tubes), semiconductors ...
Message-ID: <1205@gold.GVG.TEK.COM>
Date: 26 Jul 90 15:43:18 GMT
References: <872@massey.ac.nz>

Followup-To: sci.electronics
Organization: Grass Valley Group, Grass Valley, CA
Lines: 9
Xref: gmdzi sci.electronics:7648 rec.ham-radio:13276
Posted: Thu Jul 26 16:43:18 1990

In article <872@massey.ac.nz> GMoretti@massey.ac.nz (Giovanni Moretti) writes:
>
>And how about batteries with household chemicals (ie not sulphuric)
>

I managed to get a voltage reading from a lemon - I used a penny (copper) for
one electrode, and the meter probe for the other. It was under a volt.

I prefer to power-up lemons and potatoes with 220 volts.....

From -2160909911014035053
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b0863edfb131780
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,9b0863edfb131780
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-07-26 08:45:37 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!
rgb.dec.com!sreekanth
From: sreekanth@rgb.dec.com (Jon Sreekanth)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Has anyone made any homemade valves (tubes), semiconductors ...
Message-ID: <13916@shlump.nac.dec.com>
Date: 26 Jul 90 15:45:37 GMT
Sender: newsdaemon@shlump.nac.dec.com
Followup-To: sci.electronics
Organization: Digital Equipment Corporation
Lines: 32
Xref: gmdzi sci.electronics:7646 rec.ham-radio:13274
Posted: Thu Jul 26 16:45:37 1990

In article <872@massey.ac.nz>, GMoretti@massey.ac.nz (Giovanni Moretti) writes...
>Peridically I get the feeling that radio ... is getting far too hard
>to do - you need 99%+ pure Ge/Si ... and huge factories and $00000000.
>

>Has anyone out there ever tried to make something like this or any
>homemade semiconductors ....
>
```
>|   GIOVANNI MORETTI, Consultant     | EMail: G.Moretti@massey.ac.nz          |
>|Computer Centre,  Massey University | Ph 64 63 69099 x8398, FAX 64 63 505607 |
>|   Palmerston North, New Zealand    | QUITTERS NEVER WIN, WINNERS NEVER QUIT |
>-----------------------------------------------------------------------------
```

Yes, anything at all to do with semiconductors is expensive, because

you need ultra clean rooms, fine geometries, and dangerous chemicals.
(And I mean _real_ semiconductors, not cats whiskers :-)
But ... there`s a way.

MOSIS (1-213-822-1511) is the best bet for the small experimenter. $500 gets
you 4 packaged parts in cmos 2 micron technology,
132 pin pga max. They have a modem number; you give them yoiur design data
base in electronic form, and at their next scheduled run (they have
runs every 1-2 weeks.), they run your design through with many others,
and mail you the parts. Good for prototyping an idea

/ Jon Sreekanth

US Mail : J Sreekanth, 79 Apsley Street, Apt #7, Hudson, MA 01749
          Digital Equipment Corp., 77 Reed Road, HLO2-1/J12, Hudson, MA 01749
email   : sreekanth@rgb.dec.com
Voice   : 508-562-3358 eves, 508-568-7195 work

From 8236792711035357400
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1141793c412abac1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 08:54:49 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!XEROX.COM!"Hugh_E._Wells.ElSegundo"
From: "Hugh_E._Wells.ElSegundo"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Re: Battery questions
Message-ID: <900726-085500-4858@Xerox>
Date: 26 Jul 90 15:54:49 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 127
Posted: Thu Jul 26 16:54:49 1990

NICAD CELL CHARACTERISTICS

by

Hugh   W6WTU

The operating characteristics of a Nicad cell are very basic in nature. During charge, only current and cell temperature are critical. Discharge may occur at any current rate until the cell terminal voltage falls below 1.1 volts, but the cell temperature rise must not cause the cell electrolyte to boil (gas). When connected in a pack, the pack must be unloaded when the individual cell voltage falls to 1.1 volts to prevent reverse charging of the lowest voltage cell in the pack.

Few applications discharge cells at an excessive high rate where gassing becomes a problem, with the exception of toy electric cars (These are toys for men). Cells designed for this application usually have larger than average plate area and large connecting tabs to support the higher peak current. Cell temperature is kept below the critical value by selecting the cell capacity such that the cell will dissipate its charge before gassing occurs. In essence, the toy car runs continuously with a nearly zero series load resistance allowing the cell temperature to rise near critical just as cell discharge is reached.

The following brief notes will further amplify an understanding of Nicad cell characteristics.

1. Nicads are very easily damaged due to gas pressure caused by over-charging at high charge rates. Unfortunately, Nicads do not have a positive indicator for indicating the state of charge. It is up to the user to estimate the relative charge state. Typically, the charge rate is calculated at C/10 where C equals cell capacity and the 10 represents hours for charging. At C/10, a nominal or normal charge would occur. A fast charge can be accomplished, cell design permitting, by changing the ratio, i.e., 5C/2.

2. Cell temperature does rise at the completion of the charge cycle, particularily at high charge current values, and can be used as a charge completion indicator. At the moment of temperature rise, the charge current must be reduced immediately to prevent excessive gas pressure build-up. Some chargers monitor the cell temperature and reduce the charge current to a small sustaining value. For 500ma cells, the sustaining value is typically between 10-25ma, or just enough current to compensate for the chemical change (internal current leakage).

3. Pulse charging of Nicads is most preferred as it is more efficient than a steady-state current value. Steady state current creates gas bubble formation on the plates of the cell, while pulse current tends to create fewer gas bubbles allowing the charge to be more uniform across the plate area. The charge uniformity is enabled by gas bubbles being moved around due to current pulsations. Bubble movement allows more plate area to be exposed during charge. Pulse charging also creates less of a temperature rise. The charge rate still has to be calculated as a function of C/10 during each charge pulse to determine total charge time (The accumulated charge is equal to the sum of the charge area under the pulse curve).

4. Older Nicad cells would not accept high charge rates above C/10 and would develop electrolyte seal leakage at attempted higher charge rates. A leaky seal, in any case, means the eventual loss of the cell. Newer cells, as used in most handheld radio applications seem to tolerate high charge rates without developing cell leakage as long as the temperature is controlled (kept low).

5. In the event corrosion around the seal of a cell develops, the corrosion can be removed. Wipe the corroded area with a vinegar soaked cotton swab. Use an ample amount of liquid and dry the cell with a tissue. Keeping the cell clean allows it to be used until it fails completely. Take note that weeping cells can cause corrosion problems if they are not inspected and cleaned regularly.

6. Discharge of a Nicad is critical only if the cell is under a load. When loaded, the cell voltage should not be allowed to drop below 1.1 volts which is just over the edge of the discharge end of the curve. Allowing the cell to drop to 1.0 volt or less while under load may cause permanent plate/electrolyte damage. The result would be a loss of cell capacity. Of course, a loss also takes place naturally with age which limits the number of charge-discharge cycles the cell is capable of supporting before it is exhausted.

7. Unloaded cells may be stored almost indefinately and allowed to discharge to whatever cell terminal voltage the cell can maintain on its own. When putting a previously stored cell into use, charge the cell, at least the first cycle, at C/10 for 12-14 hours. Shelf life of a cell is usually a function of how fast nickel whiskers develop internally that can short the cell. Two methods have been proposed as a way of extending cell life when whisker formation is of concern. a) Cycle the use of the cell/pack periodically. It is believed that the rate of whisker formation is reduced when cells are charged and discharged periodically. b) Allow the cell to sit on the shelf as long as needed and if a whisker short should occur, blast it away with a high current pulse from a capacitor or other source. It has been observed that once whisker growth/shorting begins, it can not be permanently stopped.

8. It has been observed that the terminal voltage across a charged Nicad cell will increase as the cell ages. Using this observation, the life expectancy of a cell can be evaluated and monitored. As an example, a new/fresh cell will exhibit a terminal voltage of 1.25 volts while an old cell will exhibit, say, 1.5 volts. It is believed that the cell dehydrates with age and the rising voltage is a function of the increase in cell impedance.

9. Over the years, there has been many a discussion about Nicad cell memory. Yes, Nicads do have a memory function which can be aggravating if not understood. Simply stated, if the cell is used only over a small portion of its total capacity for at least 60% of the cycle time, the cell capacity will assume the more limited capacity value. To avoid the tendency of a memory condition inhibiting use, allow the cell/pack to be fully charged and discharged at least 60% of the total charge-discharge cycles. If in doubt about what is a full charge or what the discharge condition happens to be, then allow the cell/pack to fully discharge, unloaded when below 1.1 volts/cell, about one out of ten cycles. The charge rate from full discharge should be C/10 for 12-14 hours to cause as much chemical conversion to occur as possible. Charging at twice that value is not a problem as long as the cell doesn't start out-gassing (Monitor the temperature and taper off the end charge rate).

Many hints and kinks have been published regarding the nature and care of Nicads and all point to the fact that Nicads require user TLC to obtain long cell life. The bottom line is that the user must pay attention to how the cell is being treated.

From -2157441243582982027
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6689244f30762af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 09:04:45 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!samsung!rex!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Communicator Class
Message-ID: <1098@ke4zv.UUCP>
Date: 26 Jul 90 16:04:45 GMT
References: <9007260552.AA16664@tecnet1.jcte.jcs.mil>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: none
Lines: 66
Posted: Thu Jul 26 17:04:45 1990

In article <9007260552.AA16664@tecnet1.jcte.jcs.mil> mgb@TECNET1.JCTE.JCS.MIL writes:

>zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
>@tut.cis.ohio-state.edu (Gary Coffman) replies:
>
>So you are saying that the hams already on 220 Mhz, AVOID the Novices?
>This is exactly what I have been talking about Gary when I predicted that
>hams on 2 would AVOID the new Communicators. As far as the Novice selling
>his 220 rig after he upgrades... Yes, I said EXACTLY the same thing in
>another posting when I mentioned that a lot of Techs upgraded and bought
>a 2 meter rig, and then stayed there forever. (That is not a dig on
>"techs", it is just an observation of what I have seen in a lot of cases.
>There **ARE** exceptions!)

Whoa there! You have misunderstood me. In our area there are darn few hams on 220 who are not Novices. It has never been a popular band here due to a Ch 11 tv station in town that is a simple image away from the band. I know commercial equipment isn't bothered by this, but have you seen a used Motorola or GE unit for this band at a hamfest? With the current vogue for "wideband receive" in current amateur equipment this is a disaster.

>Now wait a minute. Stop, cease and desist. Let's talk about "the old
>days when Novices had voice on 2 meters". I was one of them Gary, I was
>there.. I HAD that "privilege" (along with a simultaneous tech license.
>Yes.. I was WA3JPY *AND* WN3JPY at the same time). What I remember about
>2 meters was a Benton Harbor Lunch Box (AM) crystal control.. no repeaters
>AT ALL, and about a typical 2-5 miles range (depending on how big of a
>mountain you lived on). So you say the Novices were able to go where the

>REAL hams were and join right in? What REAL hams? 2 meters then was like
>almost 10 Ghz is today, hence my desire to have Communicators on 220 and
>ABOVE. In addition the only thing you "joined right into" was a bunch of
>static. Help? Encouragement? Only after the neighbors ripped my lips off
>for tearing their TV reception to hell and gone! :-) Maybe if you lived
>in the middle of a major city what you say might have been true... but not
>anywhere else my friend.. and I was only 20 miles out of Philadelphia in
>a place called Valley Forge. George Washington had better luck on 2 meters!

Well in rural Kentucky where I grew up, we had one of the first .34-.94
FM repeaters(1964). We used Motorola 5Vs and 40Ds for mobiles. My very first
ham radio project was converting a Motorola 5V from 6 volts to 12 volts
and downbanding it into two meters. Our repeater was on a 1000' TV tower
and had phenominal coverage. EVERY ham in our radio club bought one of
the Motos in a group buy. The repeater was busier than anything I've
heard around here in years.
>
>What you say was true when the Novice License expired after one year.
>Now it's good "forever". Novices ARE real hams. I like Novices more
>than just about any other class. They are USUALLY the most eager to
>learn and do not make any pretensions about knowing everything there is
>to know about ham radio.

Most are so eager that they upgrade in a few months and are gone forever
from the novice band. The others are the wives of hams who were pressured
into getting their licenses so they can talk to hubby. They are rarely
willing to talk to anyone else.

>If the test for Communicator Class requires one to study theory real hard
>and has an exam that looks for knowledge, instead of an ability to memorize
>answers then I say CW should be dropped like a hot rock.

I have always contended that it is easier to understand something than to
memorize it. At least this is true for me. And I don't understand the
need to test for a mode that is not commonly used on the frequencies
granted by the license.

Gary KE4ZV

From 1630694398983805732
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6dd70594c00b6d1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 09:05:43 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon U.K.")
Newsgroups: rec.ham-radio
Subject: ICR1 and ICR100 available ex-stock.....
Message-ID: <26.Jul.90.17:09:07.BST.#0929@UK.AC.NWL.IA>
Date: 26 Jul 90 16:05:43 GMT
Sender: daemon@ucbvax.BERKELEY.EDU

Organization: The Internet
Lines: 14
Posted: Thu Jul 26 17:05:43 1990

Now before you all ask 'WHERE CAN I BUY?'... READ that mail header!

The Icom ICR1 is available in the UK for 399 pounds sterling; the
ICR100 is available for 499 pounds sterling. ICR100 is also available
modified to receive SSB (i always puzzled why Icom would wish to sell a
HF-bands receiver WITHOUT this as standard...)
Dont know what the current exchange rate is, i guess its about 1.85 dollars
per pound. Remember to subtract 15% from UK Sterling price to take into
account British Value Added Tax.

Pete Lucas G6WBJ   PJML@UK.AC.NERC-WALLINGFORD.IBMA   0793411613

From -8194813458266202119
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b0863edfb131780
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,9b0863edfb131780
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-07-26 10:04:20 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!rpi!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Has anyone made any homemade valves (tubes), semiconductors ...
Message-ID: <10368@crdgw1.crd.ge.com>
Date: 26 Jul 90 17:04:20 GMT
References: <872@massey.ac.nz> <37291@shemp.CS.UCLA.EDU>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Followup-To: sci.electronics
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 17
Xref: gmdzi sci.electronics:7649 rec.ham-radio:13277
Posted: Thu Jul 26 18:04:20 1990
In-reply-to: cccph@eel.cs.ucla.edu (Charles Hobbs)

In article <37291@shemp.CS.UCLA.EDU>, cccph@eel (Charles Hobbs) writes:
>In article <872@massey.ac.nz> GMoretti@massey.ac.nz (Giovanni Moretti) writes:

>You could do this successfully if you had some way of getting a
>good vacuum. (Commercial valves have chemical compounds known as
>"getters" which aid in removing oxygen from the valve)

One thing that would help is to light up the tube for a bit with the
vacuum pump still running so any initial outgassing can get sucked

out.

I'm not sure what is in the getters.. maybe those could be homebrewed
as well?

-don perley
perley@trub.crd.ge.com

From 6600579475303062976
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,605fdc103220d64c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,43ceb81fc8b6ac5a
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-07-26 10:09:30 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!rpi!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio.swap,rec.ham-radio
Subject: Re: A dumb question?
Message-ID: <10370@crdgw1.crd.ge.com>
Date: 26 Jul 90 17:09:30 GMT
References: <6885@helios.TAMU.EDU>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Followup-To: rec.ham-radio
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 14
Xref: gmdzi rec.ham-radio.swap:529 rec.ham-radio:13279
Posted: Thu Jul 26 18:09:30 1990
In-reply-to: msw1633@venus.tamu.edu (WHITSITT, MARK STEVEN)

In article <6885@helios.TAMU.EDU>, msw1633@venus (WHITSITT, MARK STEVEN) writes:
>When someone is talking about, for instance, a 2m HT, what does the "HT"
>stand for?

Handie talky (might be "handy"). Way back when... motorola was the main
supplier of hand helds and that was their product name.

Models were of the form HT-100, etc.

-don perley - ke2tp

perley@trub.crd.ge.com

From -6816580895660373171
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 10:13:40 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!snorkelwacker!apple!vsi1!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: Airwave Wars
Message-ID: <2816@wyse.wyse.com>
Date: 26 Jul 90 17:13:40 GMT
References: <1990Jul18.215248.11497@bellcore-2.bellcore.com> <186@bongo.UUCP> <2800@wyse.wyse.com> <187@bongo.UUCP>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 23
Posted: Thu Jul 26 18:13:40 1990

In article <187@bongo.UUCP> julian@bongo.UUCP (Julian Macassey) writes:
>In article <2800@wyse.wyse.com>, stevew@wyse.wyse.com (Steve Wilson x2580 dept303) writes:
>> Yes they do. Cel Tel doesn't cover the world (yet ;-). Communicating
>> anywhere in the world ?? I thought that was what HF was for ;-)
>
>   Let me see now. I have a cellular phone and I want to talk to
>the Red Cross HQ in Switzerland. I don't have the phone number at
>hand, no problem. I dial the AT&T operator and ask for "Switzerland,
>Geneva, International Red Cross." In no time at all I will have the
>number. Then I dial 01141-114122 and talk directly to the biggies in
>Switzerland.

Fine...but you couldn't have placed that call from where I was located
last week. Thats what I was talking about. In simple terms....Cell Tel
can't be used from every single location on earth.

The real point is that as of today Cell Tel has some functionality but
it isn't the only answer, nor is it a complete answer to the problems
faced during disaster situations. The same can be said of ham radio
during these situations. All of the above systems are complementary
to each other. You use what works.

Steve KA6S

From 8379372061575089881
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b0863edfb131780
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,9b0863edfb131780
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-07-26 10:24:36 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!mailrus!cs.utexas.edu!sdd.hp.com!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!nodename.dec.com!elkind
From: elkind@nodename.dec.com (Steven A. Elkind)

Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Has anyone made any homemade valves (tubes), semiconductors ...
Message-ID: <13932@shlump.nac.dec.com>
Date: 26 Jul 90 17:24:36 GMT
Sender: newsdaemon@shlump.nac.dec.com
Followup-To: sci.electronics
Organization: Digital Equipment Corporation
Lines: 14
Xref: gmdzi sci.electronics:7652 rec.ham-radio:13282
Posted: Thu Jul 26 18:24:36 1990

In article <872@massey.ac.nz>, GMoretti@massey.ac.nz (Giovanni Moretti) writes...
>Peridically I get the feeling that radio ... is getting far too hard
>to do - you need 99%+ pure Ge/Si ... and huge factories and $00000000.
>

What about alloy junction germanium transistors - they should be doable in non-cleanroom circumstances, shouldn't they? I'd imagine the materials wouldn't be too hard to obtain, and the geometries are large enough that real clean room conditions wouldn't be all that necessary. The yield might be somewhat low, and the device parameters scattered all over the place with home-lab conditions, but I'd think you could get some usable devices with a modest amount of effort.

From 615844620135946191
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 10:26:03 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!apple!vsi1!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: Airwave Wars
Message-ID: <2817@wyse.wyse.com>
Date: 26 Jul 90 17:26:03 GMT
References: <1990Jul18.215248.11497@bellcore-2.bellcore.com> <186@bongo.UUCP> <2740@anasaz.UUCP> <188@bongo.UUCP>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 24
Posted: Thu Jul 26 18:26:03 1990

In article <188@bongo.UUCP> julian@bongo.UUCP (Julian Macassey) writes:
>Ok, high tech telco stuff in mexico city? But yes, there was a
>Strowger CO in a basement that survived. The building fell on top of
>it, but it just kept clacking away. To provide international telco
>connections, British Telecom had a satellite dish and T1 feeds flown
>in and operating within 24 hours of the earthquake. This was not
>mentioned in QST, so it is going to be disputed on this forum.

>
>Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian

Gee...who kept going for the first 24 hours? For that matter the Red Cross brought in a satellite dish for INMARSAT(sp?) within first couple days and had a similar system going... of course it was brought in by N6IIU ;-) and there is also an interesting little story about the Federales asking him at gun point what he was doing. ;-) This same hardware was used during Hugo down in the Carribean. These systems were COMPLEMENTARY to other systems already in place. There were lots of independent efforts that helped. Ham radio was one of them.

Just like in networking....it doesn't matter how the message gets there as long as it gets there.

Steve KA6S

From -6414625704094556268
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e5828437963dfe4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 11:11:36 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: Should I become a ham now or wait?
Message-ID: <9007261811.AA21774@ucsd.edu>
Date: 26 Jul 90 18:11:36 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 2
Posted: Thu Jul 26 19:11:36 1990

I'd say do it. 5 WPM is pretty easy, and there's LOTS of fun stuff to do.

From -5474777729717066735
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3345d282f9270f9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 11:17:09 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Spread Spectrum Repeaters - Technical
Message-ID: <2770@anasaz.UUCP>
Date: 26 Jul 90 18:17:09 GMT
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 65

Posted: Thu Jul 26 19:17:09 1990

We just had a thread here on spectrum efficiency where spread spectrum came up as a solution. I would like to look into the technical aspects of this a bit. I'm familiar with the theory of direct sequence and frequency hop spread spectrum, but have never worked with it. I'm also real hazy about practical synchronization techniques.
Finally, how does one build spread spectrum "repeaters" (ie, something that provides roughly the functionality of current FM repeaters)? Phil Karn, are you still listening? [I got your other answer, but wanted to get more technical and ask more questions].

Problems (or, shall we say, opportunities?):

(1) Nearby in-band spread spectrum transmitters cause serious interference to spread spectrum receivers by increasing the effective noise floor. Can this be helped by doing some magic with frequency hop spread spectrum? How does this work? Can it be done with DS spread spectrum by using synchronized (ie, anti-correlated codes)?

(2) Spread spectrum systems will have to coexist (in many cases) with other systems, either in amateur or other land mobile services. How do you keep products from getting out of band. For example, let's say I build a DS spread spectrum transmitter that operates on a center frequency of 445.0 MHz, with a 9 Mbps DS rate. This should give sideband nulls at 440.5 and 449.5 MHz. How do I keep the energy below 440.0 and above 450.0 from being a problem? Is this a reasonable example?

(3) Phil mentioned fast-switch half duplex "repeaters". How does one limit the bandwidth on this (those fast on-offs will tend to give a wide bandwidth). How about synchronization. Do you have any specific ideas?

I realize that lots of these problems can be solved. One challenge is solving them in a way that doesn't require the construction of a lot of high-tech RF gear (digital stuff is okay - anyone can do that ;-)). In other words, doing it in the standard ham tradition of hackin surplus commerical gear. Also, solving them without EXPENSIVE and complex filters. It's one thing to use a cavity or two and 2 meters, its another to use 10 of them with very precise tuning required.

Let me also re-iterate Phil's plug for SS.

SS allows one to more effectively utilize crowded spectrum, UNDER THE RIGHT conditions. It also affords relative privacy (ie, legally you cannot use it for encryption, but you can sure use different chip rates, etc). It is very good in any sort of selective fading condition because it is not coherent, so fades only reduce the SNR a bit, rather than a whole lot. It will reduce problems such as intermod, because of its non-coherent/noise-like nature. It also allows the creation of an almost infinite number of virtual channels (if the FCC will allow a larger set of spreading codes), which can be really handy.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -9166069701754869871
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eab4c6cb0e7b9a14
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 11:21:43 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!wuarchive!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Need 88-108MHz trap for R7000
Message-ID: <2771@anasaz.UUCP>
Date: 26 Jul 90 18:21:43 GMT
References: <R7000> <FM> <212@nachos.SSESCO.com>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 21
Posted: Thu Jul 26 19:21:43 1990

In article <212@nachos.SSESCO.com> elmquist@nachos.SSESCO.com (Chris Elmquist)
writes:
]
]I'm looking for a design or suggestions for a trap that will attenuate or
]remove the 88 to 108 MHz portion of the receivers passband. Has anyone
]else had this problem? Radio Shack sells an FM trap for TV/VCR usage
](ie, it's 75 ohm) but I think I'd get alot more loss on other frequencies
]with that than I want to.
]
I use the RS trap on my RS-2005 scanner, and it works well. I have
measured the sensitivity of the scanner on interesting frequencies
with and without the trap, using a calibrated frequency source
(a new communications monitor) and found very little difference, except
that there was noticable attenuation in the lower aircraft AM band.
It's really not as band as you might think. From sweeping the thing, it
looks like a 3 pole/2 zero filter.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu

Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From 69364129658937234
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84ce1a76bba68b9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 11:30:00 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: UNIX Software for learning Morse Code
Message-ID: <942@ssc.UUCP>
Date: 26 Jul 90 18:30:00 GMT
References: <1990Jul23.021150.25401@mlb.semi.harris.com>
<1990Jul25.002425.13565@csusac.csus.edu>
Organization: SSC, Inc., Seattle, WA
Lines: 17
Posted: Thu Jul 26 19:30:00 1990

In article <1990Jul25.002425.13565@csusac.csus.edu>, emmonsl@athena.csus.edu (L.
Scott Emmons) writes:
: In article <1990Jul23.021150.25401@mlb.semi.harris.com>
mmt@moosh.mlb.semi.harris.com (Mojgan M. Thompson) writes:
: >I'm intersted in obtaining any software that can be used for learning
: >Morse code on a UNIX machine. If you know of such software, please
: >contact me via email or post.
:
: It's unlikely that such a product will exist, as there is no way to make the
: necessary tones at the proper timing on a standard tty. There may be a way
: to do it with certain terminals, but you will probably have to write it
: yourself...

The PK-232 can be configured to look like a ASCII xon-xoff printer that
sends morse code. It's not software, but when you're done, you can
use it for something else. It does farnsworth below 15 Wpm though.
(characters are sent at 15 WPM with slower spacing)

markz@ssc.uucp

From -6606388884526777244
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2524b4556ece1844
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 11:36:25 PST
Path: gmdzi!unido!mcsun!uunet!wa3wbu!compnect!daveh
From: daveh@compnect.UUCP (Dave Hultberg)
Newsgroups: rec.ham-radio
Subject: Re: Problem DX QSLs
Summary: Got EL7X direct
Message-ID: <731@compnect.UUCP>

Date: 26 Jul 90 18:36:25 GMT
References: <13766@shlump.nac.dec.com>
Organization: John Core at home, Harrisburg,PA
Lines: 29
Posted: Thu Jul 26 19:36:25 1990

In article <13766@shlump.nac.dec.com>, reisert@ricks.enet.dec.com (Jim Reisert) writes:

> Here is a list of DX stations I have sent return envelope/IRC's (sometimes
> dollars or more, but not often) to between January 27 and May 10, 1990, and
> have still not received cards in return. Managers are listed where
> applicable, otherwise direct. Comments are listed at the end. Anyone who
> has any insight as to how to obtain QSLs from these stations is welcome to
> send me mail with the pertinent info.
>
> 20 EL7X
>

I sent Will, EL7X a QSL, SAE and IRCs to the address in the 1990 DX callbook. I have my logs at home, so I don't have the actual dates, but my return card didn't take too long considering the mail service between here and Africa. Of course there wasn't any fighting going on last year when I got my QSL. Things are a bit confused in Liberia these days.

```
--
Dave Hultberg KA3UZR   Mail: 1407 Concord Road, Mechanicsburg, PA 17055-1955
daveh@compnect.uucp          H:   717-766-0051  CI$:    72437,3215
uunet!wa3wbu!compnect!daveh  W:   717-790-4507  Fido:   1:270/101.28
compnect!daveh@uunet.UU.NET  FAX: 717-790-3689  Packet: KA3UZR@WB3EAH.PA.USA.NA
```

From -1310330111482073895
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b0863edfb131780
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,9b0863edfb131780
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-07-26 11:41:00 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!apollo!tweed
From: tweed@apollo.HP.COM (David Tweed)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Has anyone made any homemade valves (tubes), semiconductors ...
Summary: it's possible
Message-ID: <4bd35f61.20b6d@apollo.HP.COM>
Date: 26 Jul 90 18:41:00 GMT
Sender: root@apollo.HP.COM

Organization: Hewlett-Packard Apollo Systems Division, Chelmsford, MA
Lines: 81
Xref: gmdzi sci.electronics:7657 rec.ham-radio:13292
Posted: Thu Jul 26 19:41:00 1990

From: GMoretti@massey.ac.nz (Giovanni Moretti)
> You can make resistors out of pencil leads, capacitors and
> inductors are easy, headphones are possible (not easy) and you can
> use Galena (lead sulphide I think for a diode), but what about things
> with GAIN.
>
> I can't be the only one who has these thoughts ...

You aren't; you're following the footsteps of a long string of hobbyists.

From: cccph@eel.cs.ucla.edu (Charles Hobbs)
> Transistors, etc. would most likely be too difficult to make at home
> because of the necessity for "clean rooms" (rooms with no appreciable
> level of dust floating around. Dust will short-out a transistor,
> integrated circuit, etc.)

Nah, you're thinking of ICs, where the dust messes up the photomasking. Remember, the first point-contact transistors were made by hand in the lab.

A long time ago, I read a story about a person who built his own vacuum tubes at home. The story was old then, and I don't remember where I read it (probably Popular Electronics, back when it was still in the smaller format), but I'll try to summarize.

(Disclaimer: I've never done this myself!)

Back when tubes were first being developed, most of the publicized effort was going into the Edison/DeForest type of "tube" that was based on the light *bulb* and required glassblowing skills. However, there was a grassroots effort (primarily by Canadian experimentors, I believe) that was based on using a metal *tube*. It is this second type that is much easier to fabricate at home.

Take a piece of tubing (copper, I think) and find some hard-rubber stoppers that fit it tightly, one with a hole, the other without. The one with a hole is fitted with a glass tube that gets connected to your vacuum pump.

The metal tube itself is your anode; you still need a filament and a grid. Poke some fairly heavy-guage (#18) solid copper wires through the stoppers (making their own holes): one in one stopper, and two in the other. The filament (cannibalized from a light bulb?) gets stretched down the center of the tube, strung between two of these wires (crimped, not soldered!), and the grid is the third wire, spiraling around that.

Remember that the filament is going to get pretty hot, so provide a fairly-long thermal path before you get to the stopper, otherwise you won't be able to maintain any sort of vaccuum. (The author of the article said that he'd forgotten this, and when he powered up his first tube, "... the vaccuum immediately left with a piercing shriek.")

OK, put everything together and seal all joints with sealing wax. ("What's sealing wax?" :-). I'll try to do an ASCII picture:

```
   rubber      copper tube                                rubber
  stopper   ===========================================   stopper
      ##########     \     /-\     /-\     /-\     ##########
      ##########  /\  |   |   |   |   |   |   \---------------- grid connection
fil.-------------/ |  |   |   |   |   |   |        ##########
      ##########   +======|=======|=======|==+     ##########
   ---------------    |   |   |   |   |   |  |   /------------- filament (cathode)
to ---------------    |   |   |   |   |   |  |  /  ##########
vaccuum ########       \-/     \-/     \-/    \/   ##########
pump        ===================================================-------- plate (anode)
```

The loops in the filament wires help keep them from getting too hot where they go through the stoppers. Don't worry about all that stuff having to do with "getters", etc. Most experimentors just left the vaccuum pump running while they were operating the tube.

At this point, pump out the air, apply power to the filament (carefully!) and to the anode (see if you get a current flow). Then experiment to see what kind of control you get with the grid. I'm sure it'll take a lot of cut-and-try to get any significant amount of gain, so have fun!

-- Dave Tweed

```
From -7462836648659178847
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a03cf8d99bd21aea,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a03cf8d99bd21aea,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-26 11:43:19 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: PRO-34 Audio Mods?
Message-ID: <3597@radio.oakhill.UUCP>
Date: 26 Jul 90 18:43:19 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 11
Xref: gmdzi rec.ham-radio:13302 rec.radio.shortwave:1700
Posted: Thu Jul 26 19:43:19 1990
```

The PRO-34 is not a bad radio now that it's on sale, however,
the audio is a little wimpy. Does anyone out there have the
service manual showing the audio amp circuits? I would like
to beef up the output if I can. I'll publish the 'audio mod'
if it works well and is reliable. Perhaps someone has already
done this. Yes/No?

-thanks,
Charlie Thompson WB4HVD

From -3757673822559222046
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29eaca15df7dda58
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 12:02:58 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!
mailrus!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: V rate of series C in Transistor amp output
Message-ID: <18230023@hpfcdj.HP.COM>
Date: 26 Jul 90 19:02:58 GMT
References: <1990Jul24.210818.9231@cbnewsm.att.com>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 40
Posted: Thu Jul 26 20:02:58 1990

>   I would like to know the method for determining the output voltage of a
>transistor amplifier. The reason for this is I needed to estimate the voltage
>that will be across the output series capacitor. An example of what I need is
>I am planning on putting together a 50mHz single transistor amplifier that will
>have an output of 100 watts. A couple of questions;
> What will happen if I have a 2:1 swr? Also I am putting together a
>duplexer for 2M and 70cM with a maxium output power of 100 watts on both bands.
> How does this compare to tube amplifiers?

Ohm's Law still applies; if you're delivering 100W into a 50 ohm load, then:

P = V^2/R --->   PR = V^2   100 x 50 = 5000, sqrt(5000) = 70.7V

Assuming that you've measured the power correctly, this is RMS volts; the
peak voltage would therefore be 100V exactly.

SWR effects are interesting; if your 2:1 VSWR (Voltage Standing Wave Ratio)
is being produced by a mismatch at the load end of a line, that means that
about 11% of the power sent "down the line" is being reflected back to the
source. (To get this, note that SWR = (1 + R)/(1 - R) where "R" is the
reflection coefficient, and R = sqrt (Reflected Power/Forward Power))
If the source is matched to the line, this reflected power is dissipated in

the source impedance (and therefore simply goes into heating up the amplfier). If the source is itself not matched to the line (and if both source and load are mismatched, the SWR situation becomes more complex), as with a very low output impedance source , the power will again be reflected out to the load.

A greater concern might be that "SWR" refers to the ratio of maximum to minimum peak voltages on the line; it is possible, in extreme cases of high SWR and marginal lines, to generate high enough voltages so as to cause cable breakdown or at least "hot spots."

I don't think I understand your last question - how does WHAT compare to tube amplifiers?

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
myers%hpfcla@hplabs.hp.com               |  sentient life-form on this planet.
```

From 7061869021311694428
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2a82aec869a9c12,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 13:07:26 PST
Path: gmdzi!unido!mcsun!uunet!seismo!ukma!rex!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!HICKAM-EMH.AF.MIL!1843eie
From: 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE")
Newsgroups: rec.ham-radio
Subject: DXers! Own a chunk of Palmyra!
Message-ID: <9007262006.AA04720@uunet.uu.net>
Date: 26 Jul 90 20:07:26 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 52
Posted: Thu Jul 26 21:07:26 1990
X-Unparsable-Date: 26 Jul 90 10:01:00 GMT-10:00

INTEROFFICE MEMORANDUM

Date: 26-Jul-1990 09:56am HST
From: 1843EIG/EIE
1843EIE
Dept: 1843EIG/EIE
Tel No: 656-1158

TO: Remote Addressee (_INFO-HAMS%UCSD.EDU@UUNET.UU.NET)

Subject: DXers! Own a chunk of Palmyra!

News Item from the 23 Jul 90 edition of the Honolulu _Star-Bulletin_ :

SAVIO PLANS DEVELOPMENT OF PALMYRA

"Honolulu real estate broker Peter Savio said today that he has taken out a 75 year lease on the remote and uninhabited Pacific island of Palmyra and formed a corporation, Palmyra Development Co., to get residential and tourist development underway.

"Savio said the agreement with the owners, Honolulu's Fullard Leo family, includes an option to buy the island for $36 million. He plans to do the 'get away from it all' residential development himself and recruit other developers for such facilities as a hotel, golf course, country club, and marina.

"Savio, head of Savio Realty Ltd., said his own plans call for the sale of 250 beachfront lots of 20,000 square feet or more, which he estimates will go for $250,000 each. That is about half what some observers have said such properties could be worth, he said. He also envisages 100 'estate-size' lots of 100 acres or so each." ((sic), I think - that's 10,000 acres. How big is Palmyra?)

Article goes on with details about Palmyra's location, climate, etc.

(So what say there, KH6R? Shall we go in 50/50 to buy a place and rent it to DXpeditioners? :-))

E-mail me direct if you'd like a snail mail copy of the article.

73,
Jeff Miller WD6CQV/KH6 AFA8JM
1843eie"at"HICKAM-EMH.AF.MIL

From -4388260775184314908
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,74bf978fabd099c1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 13:23:12 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: Advice wanted - 2m HT
Message-ID: <38888@cci632.UUCP>
Date: 26 Jul 90 20:23:12 GMT
References: <1724JKOSS00@RICEVM1> <30500619@ux1.cso.uiuc.edu>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 11

Posted: Thu Jul 26 21:23:12 1990

In article <30500619@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>
>> 2) Band: According to what I've been hearing on the net, 2m is a zoo
>>   and 70cm is empty. So, the question is whether I should get
>
>2 meters is not the zoo some make it out to be except during drive time.

You're right, Phil. Anybody who questions this statement: try bringing
up someone on 146.52, even during drive time. My first radio was a 2m
HT, mostly because it seemed like the best "common ground" for a good
percentage of the ham community.

From 3862903753554726337
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,74bf978fabd099c1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 13:55:38 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!pacbell.com!ames!sun-barr!newstop!sun!wdh
From: wdh@oversteer.Eng.Sun.COM (Dennis Henderson)
Newsgroups: rec.ham-radio
Subject: Re: Advice wanted - 2m HT
Summary: 2m not crowded IMHO
Message-ID: <139666@sun.Eng.Sun.COM>
Date: 26 Jul 90 20:55:38 GMT
References: <1724JKOSS00@RICEVM1> <30500619@ux1.cso.uiuc.edu>
Sender: news@sun.Eng.Sun.COM
Lines: 30
Posted: Thu Jul 26 21:55:38 1990

In article <30500619@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
>
> > 2) Band: According to what I've been hearing on the net, 2m is a zoo
> >   and 70cm is empty. So, the question is whether I should get
>
> 2 meters is not the zoo some make it out to be except during drive time.
>
> --Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
> <phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

I agree. The contention that 2m it too crowded to allow in the new
Communicator class is not valid in my opinion.

Here in the densly populated San Francisco Bay area I find that many 2m
repeaters are lightly or almost never used. Even during commute time
many machines are lightly used. I know of only one machine that gets almost
continous use during commute times. You could call this a zoo but this group
is friendly and welcomes newcomers or casual calls.

In my experience at any given time I find no more than 4 out of the
10 machines I listen to active. Many times the number is 1 or less.

More operators on 2m would improve the band! I don't believe we will be ble
to contend that we need all of our frequency allocations if our most crowded
UHF/VHF band usage pattern continues.

What we need are more hams not more bands.

...Dennis Henderson, N6TTW

From 5863083808778730596
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,167875ac35f20dc4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 14:36:22 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: ITU Code Requirement
Message-ID: <1990Jul26.213622.24448@bellcore-2.bellcore.com>
Date: 26 Jul 90 21:36:22 GMT
References: <13749@shlump.nac.dec.com>
<1990Jul24.193208.12316@bellcore-2.bellcore.com>
<1990Jul25.185418.5889@xanadu.com>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 40
Posted: Thu Jul 26 22:36:22 1990

In article <1990Jul25.185418.5889@xanadu.com>, jeff@xanadu.com (Jeff
Crilly (N6ZFX)) writes:
|> Except for CB, aren't all the other services you list above 30mhz?

For the most part, yes. At one time, however, police radio was on HF
because small, efficient and inexpensive VHF FM equipment didn't yet
exist. Many other services (broadcasting, fixed, etc) still exist on
HF yet many do not require their operators to know the Code. Nor are
they required by ITU regulations.

|> I'm no expert on the ITU regulations, but my understanding is that the US
|> regulated CB (e.g. low power, antenna limitations, etc.) to keep
|> it a "local" service (i.e. range is typically limitted to 5 miles).

Yes. But this was an FCC decision. It had nothing to do with any ITU
requirements.

> They [police, fire] are public services or business related concern, while
> CB is not at all public service or business related. I beleive it falls
> under the category of point-to-point personal radio, like the devices for

> use on 49 Mhz.

No, once again CB is in land mobile. The 49MHz stuff is Part 15.

|> Seriously, I too am curious why the Citizens Band exists and why it doesn't
|> violate ITU regulation. I know of other countries where CB radios are very
|> much ILLEGAL (without the appropriate lisence). (In the Philippines the
|> local village police used them for communication.)

Nothing in the ITU regulations prohibits an "administration" (a national government) from creating a CB-style service within its own borders. CB is illegal in certain other countries only because their governments have not created one.

Remember also that the countries making up the ITU are very jealous of their sovereignty, so there are lots of escape clauses that allow countries to do whatever they want inside their own borders.

Phil

From -1095362341979566306
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b068affc1b8c865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 14:36:54 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!pacer!peter
From: peter@Pacer.UUCP (Peter Klein)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio's value (Was: Re: Communicator Class)
Message-ID: <330@pacer.UUCP>
Date: 26 Jul 90 21:36:54 GMT
References: <25883@usc.edu> <7880189@hpfcdc.HP.COM> <55993@microsoft.UUCP>
         <326@pacer.UUCP> <38843@cci632.UUCP>
Reply-To: peter@Pacer.COM (Peter Klein)
Organization: Pacer Corporation, Bothell, WA
Lines: 160
Posted: Thu Jul 26 22:36:54 1990

In article <38843@cci632.UUCP> WZ2B writes, quoting me:

>>Everybody who develops a "my radio-religion is holier than thine"
>>attitude would do well to look at a few relevant passages from the
>>international radio treaties, the Communications Act of 1934, and
>>Part 97.

and then continues:

>This attitude works both ways ... I passed my extra a few months ago,
>I am 21 years old, and I worked [CENSORED] hard for it !!! And I am
>getting fed up with people trying to make me feel GUILTY about earning
>my extra (for WHATEVER reason).

**   I'm posting this not to criticize him, but because his comments
**   brought to mind some other valid issues in the license class
**   debate.

Believe me, so do I. I worked [CENSORED] hard for my Extra, too, and when I got it, I was so deliriously happy I could not speak properly for several hours! When I calmed down, I set my rig to that coveted "lower 25" of 20-meter CW, called CQ DE KD7MW/ST, and promptly got piled on by several hundred JAs who thought I was a DXpedition to Senegal!

But seriously, I think you are overreacting to people who themselves are overreacting--to the pompousness of some Extras who believe no one under Extra has any right to say anything about the future of ham radio. Several of them have posted messages to that effect in the past 2 weeks.

>**BUT** the solution to **ALL** of this clamoring is **NOT** to lower
>the standards of the licensing structure -- this is the kind of live-
>for-today mentality that has brought many of this country's problems
>upon itself

Whether or not there should be an Extra or Advanced license with exclusive HF privileges is not the issue here. Nor is there a question of lowering technical standards. Communicators will have to pass the same (or harder) test that Technicians do, to get the same VHF+ privileges (or less if they're limited to 220 and up).

Also, I think you may be missing a little historical perspective here. The US has one of the most complex license structures in the Western world. It didn't used to be that way, and it happened by taking privileges away from people who had earned them. Pre-1967, there was no Advanced licence, just a "Class A" that had been grandfathered for years. Technicians had all VHF but no HF. Novices had no 10 meter voice, but did have voice on 2 meters. Extra was an ego-booster with no extra privileges. Generals had all amateur privileges.

Suddenly, the Extra/Advanced bands were carved out and taken away from Generals, with the instigation and full support of the ARRL. Novices lost all voice privileges.

Many of us back then felt rather betrayed. I was a 15 year old prospective Novice in late '68 and an Advanced by spring '69. I remember how I felt: that a bunch of cynical old men in the ARRL (many of whom had been trained to do 20+ wpm code by the military in WWII) had decided "I'm all right, Jack, screw you all" and deliberately upped the requirements for new people like me, keeping the choicest piece of the pie for themselves. Can you imagine how the Generals felt?

There have been some corrections to the "incentives." Somebody finally realized that an all-code license was not a terribly big draw to young people, and the FCC gave Novices 10 meter voice. They gave Techs Novice HF privileges, so the Tech license wouldn't be an automatic dead end. There was a lot of talk about "lowering standards" over those decisions, too.

The long-term effect of incentive licensing was largely negative. Those who had the time and inclination/ability to upgrade did so, and others did not. The number of new hams declined. So did ARRL membership, which may have seriously weakened ham radio's national society, and hence its voice and lobbying power. Also, I believe the perception of injustice caused by incentive licensing was a factor in the decline of respect for FCC rules in general, and amateur radio's traditional politeness in particular. Certainly society's changes during this period were more important, but I think incentive licensing had more to do with it than people realize.

There is no evidence that people who upgraded are any better operators or any more technically adept than those who didn't. I suspect that most memorized the material and promptly forgot it, and most people who got Extras were DXers and contesters. But those who did not upgrade were to some degree branded and disenfranchised, especially when the call sign groups evolved and left lower-class licenses as identifiable as those with non-white skin color in society at large.

You can't be absolutely sure of license class, since some Extras (like me) prefer to keep an Advanced or General call sign. But if W7XX or NZ6Y get into a tiff with KB7ABC, the difference in call sign is fairly likely to be used as a weapon. Can you blame KB7ABC if he gets tired of this treatment and develops a hostile attitude toward Extras?

Most of the Ham theory tests are within reach of non-professionals in radio/computers, and that's as it should be. As I said in my previous post:

PK The ham exams were never intended to prove *professional* competence in
PK> state-of-the-art radio and computer design. They were designed to
PK> ensure that the applicant had gone to the trouble of attaining some
PK> reasonable level of knowledge in radio and related matters, so he/she
PK> would have the basis to become competent in whatever aspect of hamming
PK> he/she chose.

The exams tend to test a lot of surface knowledge, not in-depth stuff (with the possible exception of Advanced, which I found hard as a kid). Code is another matter. It may take more spare time than a lot of people have. Especially these days, and in technical fields. It seems like nobody will hire you unless you're willing to work 55-60 hour weeks under normal circumstances, more during crises.

But nobody's going to work much real CW DX unless they can do code *faster* than the Extra requirements in most cases. Nobody can do advanced packet work or TCP/IP networking unless they know the protocol and the basis for it in much greater detail than anything in the exams. Why should a computer-oriented VHFer spend time learning Morse that he could be spending with error-checking algorithms, programming, and digital signal processing? Wanting and preparing to actually do something is a far more effective incentive than yet another test. And I believe, it leads to better learning.

Case in point: I was a theatre/music major in college. I took 2 semesters of theatre history courses which required us to memorize the important points, plots and characters of most of the great plays of Western Civilization. I got a perfect score on both final exams. Do I remember anything about most of those plays? No. The plays I remember are the ones I worked on, acted in, or wrote music for.

>...and if you're one of these people with the mouths,
>maybe you should think about what you want out of ham radio within
>the constraints of the current system, and leave the changes to the
>less emotionally driven.

Whoa, I think you're being a little emotionally driven here yourself. Which is perfectly valid. It's just that your emotions are driving you to guard what you have rightfully earned, under the present system. And that system was created by taking away what every General class ham in the country had "rightfully earned" before 1967. People who see themselves as hampered by the current system are also complaining emotionally. And we all look for rational justifications to support our emotionally driven opinions.

Bottom line is that the Communicator license is not going to take any of your (or my) quieter Extra class HF bands away. It is simply going to allow a group that has been kept out of ham radio in, and allow them an appropriate place--VHF and up. Sure, there will be some dead wood let in, but I don't think it will be in any greater proportion than we already have. I suspect that we will gain some new blood that has been sorely lacking because of the code *ENTRANCE* requirement.

Those that want to get on HF will have to upgrade. And learn the code. Just like the rest of us.

--
Peter A. Klein Pacer Corporation
peter@pacer.uucp ...!uunet!pilchuck!pacer!peter

From 4192419769902870963
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3345d282f9270f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 15:10:20 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!samsung!noose.ecn.purdue.edu!iuvax!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Spread Spectrum Repeaters - Technical
Message-ID: <1990Jul26.221020.24603@bellcore-2.bellcore.com>

Date: 26 Jul 90 22:10:20 GMT
References: <2770@anasaz.UUCP>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 49
Posted: Thu Jul 26 23:10:20 1990

In article <2770@anasaz.UUCP>, john@anasaz.UUCP (John Moore) writes:

> (1) Nearby in-band spread spectrum transmitters cause serious interference to spread spectrum receivers by increasing the effective noise floor. Can this be helped by doing some magic with frequency hop spread spectrum? How does this work? Can it be done with DS spread spectrum by using synchronized (ie, anti-correlated codes)?

Yes, frequency hopping has less of a near-far problem than direct sequence. QRM still occurs (when two transmitters happen to land on the same channel momentarily) but the effects can be reduced through the use of forward error correcting codes optimized for correcting burst errors. In direct sequence systems (particularly ones where you don't know the spreading sequences of the interfering stations) the QRM looks just like white noise and you have to treat it in the same way.

Synchronized codes might in theory help reduce QRM, but since the main advantage of the civilian use of spread spectrum is to avoid the need for prior coordination (of frequency channels or anything else), I don't think this is too practical.

> (2) Spread spectrum systems will have to coexist (in many cases) with other systems, either in amateur or other land mobile services. How do you keep products from getting out of band.

Just use filters. Wideband filters with sharp skirts do exist; TV broadcast exciters are an existence proof. SAW filters in TV receivers are another example.

> (3) Phil mentioned fast-switch half duplex "repeaters". How does one limit the bandwidth on this (those fast on-offs will tend to give a wide bandwidth). How about synchronization. Do you have any specific ideas?

Well, "fast" is relative. The repeater would switch rapidly in terms of a data packet time, but this could still be very slow in terms of a chip interval. So the turn-on transient would be much narrower than the total spreading bandwidth.

WRT synchronization, THIS is by far the hardest part of any practical spread spectrum system. Several standard approaches exist, including the code-tracking loop (the spread spectrum analog to the Costas loop for PSK). Entire books have been written on the subject. Some amateur experiments have used common external references, such as broadcast station carriers.

Phil

From -8440429740466611718
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6689244f30762af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 15:39:00 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Communicator Class
Message-ID: <30500620@ux1.cso.uiuc.edu>
Date: 26 Jul 90 22:39:00 GMT
Lines: 86
Nf-ID: #R:<9007260548.AA16565@tecnet1.jcte:-41:ux1.cso.uiuc.edu:30500620:000:4115
Nf-From: ux1.cso.uiuc.edu!phil   Jul 26 17:39:00 1990
Posted: Thu Jul 26 23:39:00 1990

> Ok Phil.. let's for a moment suppose that the Novice License is saved. Where
> THEN is the central meeting ground for ALL of HAM RADIO? Hint... Novices
> already have 220 privileges. We need to populate 220.... and it has
> propagation that (IMHO) rivals or exceeds that on 2 meters. Yes.. I like
> the 220 band and admit I am opinionated about it.

Let's put Novices *BACK* on 2 meters.

But really I agree with you that 220 Mhz is a better band. But how do you get most of the present hams onto 220? Where do I find a TRI-band HT? I have several radios, including an IC-3AT, but I'd like to find a way to get on all the bands in one radio, especially with an HT.

Of course we could make 440 the "watering hole", but without novices. There is 1.2 Ghz.

> Let's say that the current proposal goes through and Communicators get
> "stuck" on 220. Are you going to push to get a repeater going on that
> band? We did here for Novices, and we also put links on it to 2 meters

Probably. We did not do this for Novices in our area because we determined that the numbers would be too few. But I expect Communicators restricted to 220 Mhz and up would be more populous, but I'd more likely expect to see a 440 Mhz repeater show up just because someone already has one sitting in his garage.

> so that we had the OPTION to hook into it and talk to them, just like we
> all have the OPTION to operate Novices on the HF allocated areas. I
> believe that helping new hams should be an effort or project by local

> groups and should NOT be the result of some regulation that says "here
> they are folks, love em or leave em".
>
> >New hams will generally appear IN PROPORTION to the old ones. That is to
> >say that if we see a 40% growth in hams, we will see a 40% growth in the
> >urban areas AND a 40% growth in the rural areas.
>
> Urban areas don't count... they already have 220 repeaters.

Right. But rural areas don't have the density demand. If we lost 220 and
902 Mhz, it would no big loss to us; it would be a psychological loss only.
We have PLENTY of room on 2 meters to increase the ham population TEN FOLD
and I suspect big cities can handle QUADRUPLING.

> >BUT if Communicators do NOT get on 2 meters, then you will be getting what
> >you say, because the Communicators in the rural areas will be getting NO
> >(usable) privileges. So what you are arguing FOR will actually be the CAUSE
> >of what you basing your argument on; so I suggest doing the OPPOSITE so that
> >we do not see such a thing happen.
>
> Possibly true if we don't get off our rear ends and DO something about it
> instead of trying to "make elmers out of everyone on 2 meters or else".
>
> >> So why are we forcing one group out to make room for another? That
>
> >Because these groups need to communicate with each other.
>
> Novices? Novices? Novices? Novices?   What about the Novices?
> This assumes that what you are saying has basis in fact. As another
> poster pointed out, in urban areas 2 meter repeaters are highly segregated
> into interest groups. If you ain't in dem der group... you ain't welcome.

10 meters.

> *We* have.

Well, I *COULD* put up a crossband repeater here. But if I cannot get a
2 meter frequency to link to, I'll call on you to pay a personal visit to
the coordinator.

> EXACTLY! I like the last option. If elmer wants to help him he can buy
> a 220 Mhz radio and do so, or your repeater group can FUND a 220 repeater
> and help NOVICES too. Also don't forget that it is not too big a deal to
> add a 220 remote base to existing 2 meter repeaters. Is the issue one where
> you want to help the elmers by not making them buy rigs for those bands where
> we need the most development.. and driving the non-elmers off of 2 meters?

Most people won't be Elmers most of the time, and won't be buying another
radio just to help new hams.

> This is getting interesting huh Phil? :-)

I suppose.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -5134775610835929423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db283827e4818ebf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 15:58:00 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: IC-2SAT or IC-24AT?
Message-ID: <30500621@ux1.cso.uiuc.edu>
Date: 26 Jul 90 22:58:00 GMT
References: <3784@quiche.cs.mcgill.ca>
Lines: 12
Nf-ID: #R:quiche.cs.mcgill.ca:3784:ux1.cso.uiuc.edu:30500621:000:454
Nf-From: ux1.cso.uiuc.edu!phil   Jul 26 17:58:00 1990
Posted: Thu Jul 26 23:58:00 1990

> I am considering buying an HT, but can't decide between
> the 2SAT or 24AT. Is a dual-bander worth it, or shall I stick
> to 2m ?

If you were in the USA I would say to get the 24AT by all means.
This is so you can talk to the Communicators.

But there are many good reasons to go with more bands.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 1453239816346213762
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e5828437963dfe4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 16:01:27 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!ucbvax!mtxinu!sybase!orion!forrest
From: forrest@orion.sybase.com (Jon Forrest)
Newsgroups: rec.ham-radio
Subject: Re: Should I become a ham now or wait?
Message-ID: <10289@sybase.sybase.com>
Date: 26 Jul 90 23:01:27 GMT
References: <1990Jul25.140643.25493@chinet.chi.il.us>
Sender: news@Sybase.COM
Organization: Sybase, Inc.
Lines: 26

Posted: Fri Jul 27 00:01:27 1990

In article <1990Jul25.140643.25493@chinet.chi.il.us> megabyte@chinet.chi.il.us
(Dr. Megabyte) writes:
>Or is the best yet to come? I feel somewhat strange attending my local ham
>radi clubs meetings as I'm 27 and everyone is so OLD. On the other hand, I
>have a friend who is a 12 year old extra... but he didn't join the club
>becuase "It's judt a bunch of old guys who hate me because I'm so young."
>Is ham radio an "Old man's hobbie" where young people are looked down upon?
>It doesn't seem that way from what I hear on the air, but it seems to be at
>ham fests and other gatherings I go to.

I've noticed this too. I recently went to a meeting of the local
ham radio club and noticed that there weren't any teenagers there.
When I was first licensed in the late 60's we had a club that was
almost all teenagers. Plus, there were always bunches of teenagers
hanging out on 40 and 80 making a general nuisance of themselves.
I don't hear this anymore.

I'm sure a 12 or 27 year old could have fun in ham radio but
there will be fewer of you than 15 years ago.

Anything you read here is my opinion and in no way represents Sybase, Inc.

Jon Forrest WB6EDM
forrest@sybase.com
{pacbell,sun,{uunet,ucbvax}!mtxinu}!sybase!forrest
415-596-3422

From 568630962891132225
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3345d282f9270f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 16:05:46 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!rutgers!bellcore-2!bellcore!
messy!mo
From: mo@messy.bellcore.com (Michael O'Dell)
Newsgroups: rec.ham-radio
Subject: Re: Spread Spectrum Repeaters - Technical
Message-ID: <25766@bellcore.bellcore.com>
Date: 26 Jul 90 23:05:46 GMT
References: <2770@anasaz.UUCP> <1990Jul26.221020.24603@bellcore-2.bellcore.com>
Sender: news@bellcore.bellcore.com
Reply-To: mo@messy.UUCP (Michael O'Dell)
Organization: Center for Chaotic Repeatabilty
Lines: 7
Posted: Fri Jul 27 00:05:46 1990

See back issues of QEX (year or so ago)

Andre Kesteloot, president of AMRAD, published

a series of things about how to get on SS with
simple components.

-Mike

From 4829147984209104762
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,35fc93151f5d0b40
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 16:11:08 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!mtxinu!sybase!orion!forrest
From: forrest@orion.sybase.com (Jon Forrest)
Newsgroups: rec.ham-radio
Subject: Re: 73 Mag changes flavor
Keywords: New Editor
Message-ID: <10290@sybase.sybase.com>
Date: 26 Jul 90 23:11:08 GMT
References: <1687@raybed2.msd.ray.com>
Sender: news@Sybase.COM
Organization: Sybase, Inc.
Lines: 30
Posted: Fri Jul 27 00:11:08 1990

In article <1687@raybed2.msd.ray.com> ewb@raybed2.msd.ray.com (EUGENE BALINSKI) writes:

> As you may have noticed 73 Magazine has a new editor Bill Brown WB8ELK.
> There have been some suttle changes to the magazine in the positive light,
> especially in the ATV area. Bill is responsible for these. Thare are more
> coming as well. You may say that Wayne Green's column is as bad as ever,
> however THE EDITOR HAS NO CONTROL OVER WAYNE'S COLUMN so Bill is not to
> blame for that

This was the first I had heard about this but your positive comments about Bill make sense. I went to school with him at UC Santa Barbara where he had come to get a Master's degree in EE. As I recall, he already had a MS in Chemical Engineering. He was in the UCSB ham radio club W6RFU and was always one of the most technical people. He was also very active in the technical projects of the local ham club. He moved up to Berkeley for a while and lived at the top of the Berkeley hills in a house with all kinds of ATV stuff. He used to do all kinds of wierd ATV stuff and always had a very independent approach to ham radio. I had lost track of him and was surprised to hear about his editorship. He's certainlly technically qualified.

Anything you read here is my opinion and in no way represents Sybase, Inc.

Jon Forrest WB6EDM

forrest@sybase.com
{pacbell,sun,{uunet,ucbvax}!mtxinu}!sybase!forrest
415-596-3422

From -3946202458353251299
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3345d282f9270f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 16:31:00 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Spread Spectrum Repeaters - Technic
Message-ID: <30500623@ux1.cso.uiuc.edu>
Date: 26 Jul 90 23:31:00 GMT
References: <2770@anasaz.UUCP>
Lines: 81
Nf-ID: #R:anasaz.UUCP:2770:ux1.cso.uiuc.edu:30500623:000:4435
Nf-From: ux1.cso.uiuc.edu!phil   Jul 26 18:31:00 1990
Posted: Fri Jul 27 00:31:00 1990

> (1) Nearby in-band spread spectrum transmitters cause serious interference
>   to spread spectrum receivers by increasing the effective noise floor. Can
>   this be helped by doing some magic with frequency hop spread spectrum?
>   How does this work? Can it be done with DS spread spectrum by using
>   synchronized (ie, anti-correlated codes)?

A spread spectrum repeater will interfere with itself just as much if the transmit band overlaps the receive band. The adjacent machine would only increase that by 3db more.

However if the transmit band and receive band are far enough apart in frequency, and the two repeaters do it the same way, they can simply filter out the transmit frequency range from the receiver.

> (2) Spread spectrum systems will have to coexist (in many cases) with
>   other systems, either in amateur or other land mobile services.
>   How do you keep products from getting out of band. For example, let's
>   say I build a DS spread spectrum transmitter that operates on a center
>   frequency of 445.0 MHz, with a 9 Mbps DS rate. This should give sideband
>   nulls at 440.5 and 449.5 MHz. How do I keep the energy below 440.0
>   and above 450.0 from being a problem? Is this a reasonable example?

Use bandpass filters in the sinusoidal domain. Perhaps that rate is too high for that part of the band. I also tend to think that SS should ALSO be combined with NON-spreading scrambling to even out the spectral density so there are no major peaks or nulls. Simple DS methods don't achieve the best form of spreading by themselves.

> (3) Phil mentioned fast-switch half duplex "repeaters". How does one

> limit the bandwidth on this (those fast on-offs will tend to give a wide bandwidth). How about synchronization. Do you have any specific ideas?

I don't recall what Phil Karn mentioned, but it sounds somewhat like a packet swicthing system to me. Maybe not.

> Let me also re-iterate Phil's plug for SS.

> SS allows one to more effectively utilize crowded spectrum, UNDER

```
                                    ^^^^^^^
```

"Share" might be a better word here. SS allows you to NOT tie up a frequency assignment. Consider the case of a parking lot with 100 spaces. If you assign a space to everyone, only 100 people can get spaces. But if you issue 800 "park anywhere in the lot" stickers, then 800 people can share the lot as long as not more than 100 people try to park at the same time. But ANY COMBINATION of the first 100 people can concurrently use the lot. As the lot fills up, one has to hunt for the free space (high SNR). This is why hotels defer your room assignment until you arrive.

> THE RIGHT conditions. It also affords relative privacy (ie, legally you cannot use it for encryption, but you can sure use different chip rates, etc). It is very good in any sort of selective fading condition because it is not coherent, so fades only reduce the SNR a bit, rather than a whole lot. It will reduce problems such as intermod, because of its non-coherent/noise-like nature. It also allows the creation of an almost infinite number of virtual channels (if the FCC will allow a larger set of spreading codes), which can be really handy.

We can experiment with the single codes we are allowed to use now, and get some number of virtual channels. But ultimately it would be nice to be able to choose any code.

While problems like intermod will be reduced in there effect, this also does have the drawback that the problems can get severe, and begin to impact things with a very high noise floor. Other than those that stay minor, problem do still need to eventually be tracked down and corrected. SS could make that much hard to do. DF-ing a signal you cannot receive is very hard to do. Calculating intermod products is meaningless if everyone is using the same, or very broad, frequency spreads.

SS has it advantages and its disadvantages. I personally believe the advantages outweigh the disadvantages in MOST cases (once the technology is in place). But one needs to learn to deal with SS as well. The problem with 2 adjacent repeaters might be curable much easier than two adjacent neighbors trying to work SS DX.

"Hey OM, can you QSSY to 07134352054406213556514?"

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 153063410734712099
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 16:52:18 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!usc!ucsd!pacbell.com!tandem!moe!kevinr
From: kevinr@moe.Tandem.COM (Kevin J. Rowett)
Newsgroups: rec.ham-radio
Subject: Re: Airwave Wars
Message-ID: <1990Jul26.235218.1527@tandem.com>
Date: 26 Jul 90 23:52:18 GMT
References: <186@bongo.UUCP> <1990Jul18.215248.11497@bellcore-2.bellcore.com>
<1990Jul24.232239.3098@wrl.dec.com> <4883@infmx.UUCP>
Sender: news@tandem.com
Reply-To: kevinr@Tandem.COM
Organization: Tandem Computers, Comm Development
Lines: 24
Posted: Fri Jul 27 00:52:18 1990

In article <4883@infmx.UUCP>, randall@infmx.UUCP (Randall Rhea) writes:
|> In the hours following the Oct. 17th earthquake here in the Bay Area, all
|> communication systems were down. Telephones (including cellulars) did not
|> work until about 9pm. (The quake happened at 5:04)

This isn't quite true. I live a few miles (<10) from the epicenter,
and my phone NEVER failed. Dial tone was a little slow to get, but
I wasn't going anywhere for a while.

In fact, after I found the cat and flashlights, I picked up the phone
at 5:37 and telephoned my Dad in Santa Barbara. He was watching the
broadcast on TV about the Oakland Bay bridge. It was from him that
I got the first accurate report of the extensiveness of the bridge
collapse. He could see it on TV!

|> Bridge", etc.) The much balleyhooed "Emergency Broadcast System" failed
|> completely.

Yes and No. KGO et al refused to yield the channel to the SF mayor
because KGO wanted to report the news.

N6RCE

From 2124682734915725076
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5c82c07be4ca81c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 17:10:21 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs

From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Communicator Frequencies
Message-ID: <7880209@hpfcdc.HP.COM>
Date: 27 Jul 90 00:10:21 GMT
References: <9007201131.AA14956@cmr.ncsl.nist.gov>
Organization: HP Ft. Collins, Co.
Lines: 4
Posted: Fri Jul 27 01:10:21 1990

> Consider what modes and practices the communicator class will be using.

Uh... by the way, what are they? The current proposal issued by the
FCC -- what modes and frequencies would it allot Communicators?

From -8665809737282706323
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c1687312e470a66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 17:13:47 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: What to do with N0MFW?
Message-ID: <7880210@hpfcdc.HP.COM>
Date: 27 Jul 90 00:13:47 GMT
References: <7880194@hpfcdc.HP.COM>
Organization: HP Ft. Collins, Co.
Lines: 9
Posted: Fri Jul 27 01:13:47 1990

> Get on CW, that call has more sex in its bounce than Cher in concert!

Huh... I hadn't even thought of that... it's been MONTHS since I knew
Morse. :-) Lessee...

    dahdit dahdahdahdahdah dahdah dididahdit didahdah

I guess I must be missing out on something subtle I haven't
experienced yet... :-)

From 3349631632397610626
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1cde0d2667774611
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 17:27:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: battery questions

Message-ID: <7880211@hpfcdc.HP.COM>
Date: 27 Jul 90 00:27:46 GMT
References: <22480009@hpcuha.HP.COM>
Organization: HP Ft. Collins, Co.
Lines: 30
Posted: Fri Jul 27 01:27:46 1990

> Nothing is more destructive to a NiCad battery than continually doing
> partial recharge cycles.

This *appears* to be destructive because it reduces the charge capacity -- temporarily. Also, it means you are more likely to overcharge (generating heat) because you don't know how long to charge (unless you have a smart charger that senses temperature and/or the voltage DROP that occurs after full charge is attained).

Partial charging is not actually destructive so long as you don't overcharge or overdischarge as a result. What happens is the cells in the pack get out of sync. The whole pack appears "discharged" when the first cell (out of 4 or 6 or 8 or more) runs out of stored charge -- and it begins to reverse charge if you continue to drain the other cells. Of course you won't be able to do that easily because the radio will sense the too-low voltage, as soon as one cell is empty, and shut off.

Moral: Partial charge when you must, using your judgement about how long to do it and how much it will extend the useful life of the battery in field conditions. However, as a normal rule, use a pack until exhausted, then fully charge it (by timing if you don't have a smarter charger). Slight overcharging is good, as long as you don't overheat the battery, because it brings all the cells up to full potential. Likewise, occasional discharging "to zero" is good for the same reason.

> The thermistor senses the rapid temperature rise that a fully charged
> pack exhibits when continued charging is attempted.

Watch out for cycling a fully-charged battery in and out of overcharging though, as it cools down and heats up again.

From 7599647453714394934
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e299405b73f5b370,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,ea81ac9da8975faa
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-07-26 17:31:32 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!dali.cs.montana.edu!milton!cfogg
From: cfogg@milton.u.washington.edu (Chad Fogg)
Newsgroups: sci.space,rec.ham-radio
Subject: Satellite Interference Location System (Re: "Captain Midnight")
Summary: GIT system which tracks sat-hackers.
Message-ID: <5598@milton.u.washington.edu>
Date: 27 Jul 90 00:31:32 GMT

References: <1558@oucsace.cs.OHIOU.EDU> <31987@cup.portal.com> <1086@ke4zv.UUCP>
Organization: The Internet
Lines: 17
Xref: gmdzi sci.space:14711 rec.ham-radio:13310
Posted: Fri Jul 27 01:31:32 1990

Blurb from Seattle Times, 23 Jul 90, F2:

> Tracking Midnight
>
> Captain Midnight, look out. Using radio navigation techniques, engineers at Georgia Institute of Technology have developed a system to pinpoint the location of ground stations that interfere with satellite transmissions.
>
> Called the Satellite Interference Location System, the new technique should help satellite operators quickly locate sources of accidental satellite interference -- including Captain Midnight, who four years ago beamed a protest message into an HBO transmission.
>
> The system uses navigational and mathematical techniques to determine the longitude and latitude of the ground station.

From 3361528243226686216
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1cde0d2667774611
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 17:32:36 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: battery questions
Message-ID: <7880213@hpfcdc.HP.COM>
Date: 27 Jul 90 00:32:36 GMT
References: <22480009@hpcuha.HP.COM>
Organization: HP Ft. Collins, Co.
Lines: 18
Posted: Fri Jul 27 01:32:36 1990

Me again. I'm spouting off a lot about NiCads and figured I should name my source. It's N0JCO, a friend who's done a lot of studying on the subject. I've read Sanyo and GE NiCad application guides I borrowed from him -- it's fascinating stuff.

Another NiCad tidbit. Apparently one common failure mode is for metal needles to grow through the electrolyte, shorting the electrodes. If you have a "dead pack", that won't hold any charge, and you're going to trash it anyway, try a last ditch maneuver. Run about 30A through it very briefly (about a second?), taking care lest the seals open on the cells and spout hydrogen, oxygen, boiling electrolyte, etc. :-)

This is reputed to "burn off" the needles and thereby bring old cells back to life in some cases.

Also you can sometimes open a pack, identify one or two bad cells, and just replace those. I haven't had need to do it myself, and it sounds like work.

From -7894953820078529335
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b1a9dfed20d8e3e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 17:40:20 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Do we need *more* hams, or less?
Message-ID: <7880214@hpfcdc.HP.COM>
Date: 27 Jul 90 00:40:20 GMT
References: <24.Jul.90.18:03:33.BST.#9528@UK.AC.NWL.IA>
Organization: HP Ft. Collins, Co.
Lines: 8
Posted: Fri Jul 27 01:40:20 1990

> ...*WHY* do we want *MORE* hams?

Another reason: More people to talk with. If I was the only ham in the world it would be no fun. If everyone was a ham it would be very crowded, but other human systems are already crowded and we find ways to cope. There'd be more chance of finding a late night drive-time QSO, of getting emergency help, etc. It would be easier to manage caravans. And the occasional emergency would have fewer communications limiters.

From 837821698395267221
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3abee6708e09a95,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 17:59:30 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!uakari.primate.wisc.edu!samsung!usc!bbn.com!nic!nuhub!mintaka!bloom-beacon!world!BPorter
From: BPorter@world.std.com (Barry M Porter)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio's value (Was: Re: Communicator Class)
Message-ID: <1990Jul26.142352.16996@world.std.com>
Date: 27 Jul 90 00:59:30 GMT
Lines: 24
Posted: Fri Jul 27 01:59:30 1990

Followup-To:BPorter@world.std.com
Organization: The World

References: <55993@microsoft.UUCP> <326@pacer.UUCP> <38843@cci632.UUCP>
Distribution: World
Date: Thu, 26 Jul 90 14:23:52 GMT

<<...and if you're one of these people with the mouths,
maybe you should think about what you want out of ham radio within
the constraints of the current system>>

The problem with the current system is the market...we havn't "sold" our
hobby to our neighbors as something valuable, so the powers that allocate
radio spectrum will start to take it from us if we don't start to get lots
of new hams soon..and you and I will have no "ham Radio" in our "old fart"
years....code is NOT the issue...what we need is a way to give people a
"taste" of our hobby/service, and the communicator proposal will do that.
I don't think that the communicator class will become a technician class
type ticket...there are many good hams who are content to stay as techs and not
upgrade...the communicators ticket is designed to be "upgraded from", and
if marketed properly, will lead to a rejuvinating of our hobby/service...
Basically, we are being given a challenge by the FCC...grow or be
gone......and unless our great hobby pulls together and we ALL do something
about getting new hams (regardless of interest) by the end of the 90's our
hobby will be vastly different, if it exists at all....Barry

From 852997401258632852
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 19:21:12 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!rutgers!bellcore-2!envy!karn
From: karn@envy..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Airwave Wars
Message-ID: <1990Jul27.022112.25449@bellcore-2.bellcore.com>
Date: 27 Jul 90 02:21:12 GMT
References: <186@bongo.UUCP> <1990Jul18.215248.11497@bellcore-2.bellcore.com>
<1990Jul24.232239.3098@wrl.dec.com> <4883@infmx.UUCP>
<1990Jul26.235218.1527@tandem.com>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 47
Posted: Fri Jul 27 03:21:12 1990

In article <4883@infmx.UUCP>, randall@infmx.UUCP (Randall Rhea) writes:
> In the hours following the Oct. 17th earthquake here in the Bay Area, all
> communication systems were down. Telephones (including cellulars) did not
> work until about 9pm. (The quake happened at 5:04)

I can offer another counterexample. I was driving home from a computer
show in NJ when the Loma Prieta earthquake occurred, and by the time I
got home (< 30 minutes later) Patty, N6BIS, had already left a message

on my answering machine saying that everything was all right.

No communications system, amateur radio or landline, can possibly satisfy everyone when demand exceeds supply. Some users have to lose. That should be obvious. But the telephone companies spend a lot of effort building in mechanisms to keep their systems from collapsing under overload. By this I mean that even under pathological overdemand, the system will continue to operate at or near full capacity; it will not waste lots of resources in failed call attempts.

Within minutes after the earthquake, the long haul carriers began blocking inbound telephone calls at points well outside the earthquake area. This kept the trunks into the Bay area from being wasted on failed call attempts, allowing the people in the affected area (such as Patty) to make outbound calls with almost no difficulty. Because there was no damage to the system itself, these mechanisms worked flawlessly.

Amateur radio is often a different story. Everyone knows from listening to a DX pileup or an overloaded packet radio channel what happens when everybody transmits at once: NOBODY gets through, and the channel is effectively wasted. Contention is inherently more difficult to deal with efficiently on a multiple access radio channel than on a network of point-to-point links, because you can use queueing on the latter to avoid collisions. Furthermore, current amateur operating practices come nowhere near the theoretical maximum throughputs possible, either because the computer software executing the correct "access algorithms" does not exist (for packet) or because (for manual voice) the human operator lacks training, has poor discipline (e.g., emotional stress) or simply because he's human and not a computer. And it only takes one to screw it up for everybody else on the channel.

Channel access and congestion control algorithms are strong interests of mine, as they have applicability both to amateur radio and my research work for Bellcore. I think there are some real opportunities to try out some of these schemes in the amateur service and perhaps make some significant practical contributions to the field. As I've said before, if we can make it work in amateur radio, it will work ANYWHERE...

Phil

From 1109724821981555048
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca44be29fc1568c1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 19:35:58 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!usc!snorkelwacker!spdcc!merk!alliant!linus!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Alkaline battery hazards
Message-ID: <104533@philabs.Philips.Com>
Date: 27 Jul 90 02:35:58 GMT

Sender: news@philabs.Philips.Com
Lines: 22
Posted: Fri Jul 27 03:35:58 1990

copied from packet:

```
 Msg# TSF  Size #Rd  Date  Time From   MsgID        To
31077 BF   1088   1 26-Jul 2021 N3ET   2665_N3ET    ALL@ALLBBS ()
  Sb: Alkaline battery hazards
```

Reportedly some alkaline batteries are now being manufactured with the case connected to the outer shell of the cell. The printed coatings act as an insulator, at least until it wears through due to friction with the battery holder.

Check your alkaline batteries before using them in metal flashlights or metal battery holders.

In HT's, be sure that the negative spring terminal does not extend to the outer case where it will eventually rub through and short out.

Additionally, remember not to mix battery types such as alkaline, carbon-zinc, or NiCads. NiCads in particular can supply high amounts of current through a series discharged cell, causing damage or explosion.

73, Randy N3ET @ N3ET

From 3395035141755638618
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3345d282f9270f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 20:07:03 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!bellcore-2!envy!karn
From: karn@envy..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Spread Spectrum Repeaters - Technic
Message-ID: <1990Jul27.030703.25597@bellcore-2.bellcore.com>
Date: 27 Jul 90 03:07:03 GMT
References: <2770@anasaz.UUCP> <30500623@ux1.cso.uiuc.edu>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 42
Posted: Fri Jul 27 04:07:03 1990

>A spread spectrum repeater will interfere with itself just as much if the
>transmit band overlaps the receive band. The adjacent machine would only
>increase that by 3db more.

Remember that the difference in transmit and receive signal levels at a typical VHF/UHF repeater (i.e., the repeater's power gain) can be 150 dB or more. Spread spectrum processing gains, however, are seldom greater than 30 dB (for a 1000:1 spreading ratio) and this is all the selectivity you get between the desired signal and a stronger, interfering signal sharing the same spreading band. In other words, a simultaneous spread spectrum repeater using the same band for input and output is simply not very practical.

If you really want a simultaneous repeater for spread spectrum signals, build a wideband crossband translator. Otherwise, build a single frequency packet switch that need not transmit and receive simultaneously.

>Use bandpass filters in the sinusoidal domain.

What does this mean?

>I also tend to think that SS should ALSO
>be combined with NON-spreading scrambling to even out the spectral density
>so there are no major peaks or nulls. Simple DS methods don't achieve the
>best form of spreading by themselves.

On the contrary. ANY decent spreading method will produce a signal that is statistically indistinguishable from broadband (though still band-limited) noise. Even linear feedback shift registers (PN generators) of the type allowed for amateur operation will suffice, and these happen to be the very same type of circuits used for modem scramblers. (Indeed, a modem scrambler is really just a spread spectrum modulator with a 1:1 spreading ratio.) Therefore no additional steps are needed to eliminate spectral lines (other than picking a long enough shift register).

>I don't recall what Phil Karn mentioned, but it sounds somewhat like a
>packet swicthing system to me. Maybe not.

No, that's exactly what it is. A direct sequence spread spectrum system is inherently digital, so why not use it as a modem on a packet switch. If you want voice, digitize it.

Phil

From 5699137895738197189
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,91e1c72bc19dfcdb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 20:46:49 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!snorkelwacker!spdcc!merk!alliant!linus!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: American woodpecker
Message-ID: <104543@philabs.Philips.Com>
Date: 27 Jul 90 03:46:49 GMT
Sender: news@philabs.Philips.Com
Lines: 65
Posted: Fri Jul 27 04:46:49 1990

copied from packet:

```
 Msg# TSF  Size #Rd  Date  Time From   MsgID        To
31070 BF   4723   1 16-Jul 1851 AA6MZ  3923_WA6PEZ  ALL@ALLBBS ()
  Sb: ONE-LAND WOODPECKER
```

ONE-LAND WOODPECKER

Those of us who chase DX as a passion have all shared this experience. We've got our beam pointed just so, and our finals are peaked and tweaked to output as much RF as is legal. We've listened and we've figured out the DX station's operating pattern. We're just about to key our transmitter, victory and conquest certain, when we see our S-Meter start to jump. We reach for the noise blanker, but the pulsing is just too much for our rig. The Russian woodpecker has just snatched away our victory.

The Russian woodpecker is a over-the-horizon (OTH) radar system that operates in the HF bands. It has been recently joined by an American version, also operating in the HF bands.

With transmitting antennae located in Moscow, Maine (it's too ironic not to be true) and receiving antennae located over 100 miles away in Columbia Falls, Maine, this OTH system will guard our east coast. The area of coverage extends from Greenland to Cuba. The operations center is located in Bangor, ME. From here, display signals indicate aircraft targets, automatically correlating them with all known flight plans. Aircraft not correlatingare reported to NORAD (North American Air Defense Command).

Each of the three transmit antenna arrays is 3630 feet long and 35 to 135 feet high. Each transmit array is divided into six sub-arrays to handle frequencies from 5 to 28 MHz. Frequency switching is controlled by 28 individual VAX computers which input atmospheric conditions and determine the optimum operating frequency. The range of this radar system is between 500 to 1800 miles, as compared to 200-300 miles for conventional systems.

The coverage area is divided into three 60 degree segments. Each segment is served by 12 100 kW transmitters (talk about a pile-up buster).   The receiving antenna array is 4980 feet lone and consists of 246 monopole elements.

Lest you take comfort in the thought that this system is far away. The Maine system is only the first of 4 similar systems to be built. A west coast system is about 90 percent complete and has already been operationally tested. Transmitters are located near Christmas Valley in Southern Oregon and the receiving antennas are located near Tulelake, California. This system will provide coverage from Alaska to Baja, CA. The third system, with transmitters looking north from Alaska, is expected to be begun later this year. Finally, a system, covering the central U.S., looking south to cover the Caribbean area, is expected to be awarded in early 1991. This last system is expected to be paid for by funds allocated to the military for the war on drugs and will be used to spot smugglers, as well as possible enemy aircraft.

Japan and Australia have also shown interest in installing OTH systems in their countries. This brings up the possibility of a new award. HAW, Heard all Woodpeckers. If it's been a while since you've heard the Russian Woodpecker, don't fret. His cousins are just around the corner.

73 de Tom,
AA6MZ
@WA6PEZ...sk

```
From -4758592411475459994
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b0863edfb131780
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,9b0863edfb131780
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-07-26 21:08:26 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!
uakari.primate.wisc.edu!samsung!usc!apple!bionet!synoptics!swbatl!adams
From: adams@swbatl.sbc.com (Tom Adams - 235-7459)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Has anyone made any homemade valves (tubes), semiconductors ...
Message-ID: <1990Jul27.040826.961@swbatl.sbc.com>
Date: 27 Jul 90 04:08:26 GMT
References: <872@massey.ac.nz> <37291@shemp.CS.UCLA.EDU>
Reply-To: adams@swbatl.UUCP (Tom Adams - 235-7459)
Organization: Southwestern Bell Tele. Co. - Advanced Technology Lab - St. Louis
Lines: 59
Xref: gmdzi sci.electronics:7663 rec.ham-radio:13317
Posted: Fri Jul 27 05:08:26 1990
```

In article <37291@shemp.CS.UCLA.EDU> cccph@eel.cs.ucla.edu (Charles Hobbs) writes:
>In article <872@massey.ac.nz> GMoretti@massey.ac.nz (Giovanni Moretti) writes:
>+
>+ (stuff deleted)
>>I've had this dream of making a triode in a peanut butter jar (a
>>small strong one :=) ...
>You could do this successfully if you had some way of getting a
>good vacuum. (Commercial valves have chemical compounds known as
"getters" which aid in removing oxygen from the valve)

Before I run off about getters, I'd like to mention that light bulb filaments have low emmissivity, and probally aren't suitable, and that a test tube, or olive jar would probally be a lot easier to evacuate. Also, using direct filament emmision means you'll need DC filament supplies to avoid hum.

I quote from Physics of Electron Tubes, L. Koller, McGraw-Hill, 1937 (2e)
No matter how well a vacuum tube has been exhausted, there always remains a

small residual pressure of gas. This may perhaps be of the order of 0.0001mm of Mercury in commercial tubes. Even at this low pressure, the number of molecules of air per cubic centimeter reaches the astounding figure of 10^12.

...

The getters most commonly used at present are phosphorus, calcium, magnesium, barium, strontium, aluminum and various mixtures of alloys of these. Phosphorus is used in the red form.

...

Barium and strontium are very active getters but have the disadvantage of oxidizing rapidly... For this reason the are often used in the form of alloys with aluminum, which are quite stable in air and from which the active metal can be vaporized by heating, after exhausting the tube.

... [Discussion of reduction of gas pressure during getter vaporization by collision between getter and gas molecles, and later, after getter has volatized onto surface of tube wall by formation of monatomic layer of gas molecules, mentioning 10^2 cm layer could reduce pressure 3x10-3 mm Hg in 100 cc bulb.]   I believe getters were vaporized by strong RF field, which also contributed to the vacuum by accellerating gas ions into the tube walls.

Glass and electrode metals substantially outgas and must be heated for a considerable time to reduce this effect.

Getters were actually invented by John T Marshall (1908) to exhaust tungsten filament lamps, and many others patented improved getters in the next few decades.

All in all, soft tubes like Brian's grandaddy used to make would be a whole lot easier. Reasonable detectors, lousy amplifiers. Still could awfully interesting. Others have done tubes at home, and I've thought about it a lot. Anyone seen documents on Sprengel vacuum pumps as used by Edison?

Send mail, join the languishing Antique Radio mailing list.

--
uunet!swbatl!adams or adams@swbatl.sbc.com
Tom Adams: 314-235-7459: Southwestern Bell Telephone Advanced Technology Lab
BOOKS WANTED: pre-1930 radio, electrical & scientific topics

From -4320734549122377429
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e0dc0f778b54d71,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 23:12:14 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: AMSAT News, 7/21/90
Message-ID: <947@ssc.UUCP>

Date: 27 Jul 90 06:12:14 GMT
Organization: very little
Lines: 471
Posted: Fri Jul 27 07:12:14 1990

SB ALL @ AMSAT $ANS-203.01
DO-17 RETURNS TO SERVICE!

HR AMSAT NEWS SERVICE BULLETIN 203.01 FROM AMSAT HQ
SILVER SPRING, MD JULY 22, 1990
TO ALL RADIO AMATEURS BT

DOVE-OSCAR-17 RETURNS TO SERVICE!

After a four month sojourn in a computer coma, DOVE-OSCAR-17 returned to service on July 22nd at 02:41 UTC when N4HY commanded its 2M transmitter on. As it passed over the horizon at his QTH, he knew immediately that the tedious and time consumming "auditory" software loading process had been successful and that this time the on-board computer (OBC) would not crash. Later, ZS6HKV heard DOVE's 2M beacon on 145.825 MHz at 06:50 and again at 08:26 UTC over South Africa. ZS6AKV and stations in Zimbabwe heard DOVE sending ASCII telemetry for 2.5 minutes and then stop for half a minute, and then repeat this cycle again and again. At the present time DOVE's RF output power is about 250 mW and will stay at that level until the battery bus voltage reaches 11 volts. Once the batteries charge up to 11 volts, the battery charging algorithm in the OBC will take over and increase the RF output to 1.5 watts. N4HY feels this will happen soon now that DOVE battery charging is back under software control. For the first few days it may be difficult for those with a simple station, i.e., non-tracking antennas, to hear DOVE's 250 mW. Stations with tracking antennas and low-noise preamps will not have any trouble receiving the ASCII telemtry. All are urged to monitor the telemetry during this critical period.

After careful analysis, N4HY has concluded that the problem which made the software reload of DOVE so difficult was caused by an anomaly in the AART (Addressabe Aysnchronous Receiver/Transmitter) board. The AART provides a bus which connects all the various modules of a MICROSAT to the On Board Computer (OBC) and allows them to be controlled individually by the OBC. For reasons not yet clear to N4HY, the AART was not responding to the S-band transmitter, telling it that the OBC had correctly received an Acknowledge packet when software was being loaded using the 2 meter uplink command receiver. Therefore, when N4HY was listening for Acks on his S-band down converter while uplinking, software was being loaded properly but the S-band was not sending the Acks as it was suppose too. The OBC was commanding that the Acks be sent, but the S-band transmitter wasn't "hearing" the command coming out of the OBC. N4HY says he now has an understanding of the problem and he and NK6K will be able to tailor their software to work around this problem. Further, "it is not a dangerous problem and the DOVE module is accepting commands" according to N4HY.

AMSAT-NA wishes to acknowledge the heroic efforts of N4HY and NK6K as they worked through the solution of this time consuming problem. Though this would

have been a difficult problem to have solved on a test bench in the MICROSAT Lab, it was an even more difficult problem to work with DOVE several hundred miles in space. This shows once again the ingenuity and innovativeness of the AMSAT-NA MICROSAT Team to solve problems.
/EX
SB ALL @ AMSAT $ANS-203.02
PAKISTANI SATELLITE LAUNCH

HR AMSAT NEWS SERVICE BULLETIN 203.02 FROM AMSAT HQ
SILVER SPRING, MD JULY 22, 1990
TO ALL RADIO AMATEURS BT

BADR-1, the first Pakistani 'amateur' satellite was launched successfully yesterday on 16 July 90 according to SUPARCO (Space & Upper Atmosphere Research Commission - Pakistan). BADR-1 is believed to be a small UoSAT-11/FO-12 class satellite. A Chinese Long March booster was used to place the payload into a low inclination, elliptical Earth orbit.

Amateurs around the world have been hearing BADR-1 transmissions on 145.825 MHz FM. They are comparable in strength and polarization to UoSAT-11. Data modulation or modulation tones have been heard on the FM carrier but data has yet to be interpreted by ANS sources.

Keplerian elements for BADR-1 are carried in this week's AMSAT - ORBS release. Refer to bulletin $ORBS-202.M titled "Orbital Elements 202.MISC."
/EX
SB ALL @ AMSAT $ANS-203.03
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 203.03 FROM AMSAT HQ
SILVER SPRING, MD JULY 22, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times. Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date UTC	Time	Phs	Mode	NCS	U.S. Day
27 Jul 90	0030	130	B	N5BF	Thursday
07 Aug 90	0130	170	J/L	N5BF	Monday
18 Aug 90	0045	170	J/L	N5BF	Friday
28 Aug 90	0100	169	J/L	N5BF	Monday

For information on the amateur satellite program and how you can participate, contact AMSAT-NA at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062, or contact your nearby AMSAT Regional Coordinator
/EX
SB ALL @ AMSAT $ANS-203.04
AO-13 TRANSPONDER SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 203.04 FROM AMSAT HQ
SILVER SPRING, MD JULY 22, 1990
TO ALL RADIO AMATEURS BT

A new Transponder Schedule for AO-13 was put into effect on July 3.

The present transponder schedule for AO-13 is as follows:

Mode-B : MA 003 to MA 165
Mode-JL : MA 165 to MA 190
Mode-LS : MA 190 to MA 195 (Mode S Beacon only)
Mode-S : MA 195 to MA 200
Mode-BS : MA 200 to MA 205
Mode-B : MA 205 to MA 240
Off : MA 240 to MA 003
Omni Antennas : MA 240 to MA 060

Cross mode B and S QSOs are possible from MA 200 to 205.

The current attitude estimate:

BLON = 207 and BLAT = +1

AMSAT-OSCAR-10 appears to be receiving sufficient solar panel illumination to support Mode-B transponder operations, therefore, the transponder is available for general use whenever AO-10 is in view at your location. Please DO NOT use the transponder if the signals are FMing. The current estimate of AO-10's attitude is LON 24 deg LAT -9 deg.

Much activity has been heard on AO-10 centering around a popular calling frequency of 145.910 MHz.
/EX
SB ALL @ AMSAT $ORBS-202.O
Orbital Elements 202.OSCAR

HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES
FROM N3FKV LORENA, TX JULY 21, 1990
TO ALL RADIO AMATEURS BT

Satellite: AO-10
Catalog number: 14129
Epoch time: 90195.42897539
Element set: 533
Inclination: 26.0275 deg
RA of node: 194.6719 deg
Eccentricity: 0.5956727
Arg of perigee: 159.0775 deg
Mean anomaly: 242.2110 deg
Mean motion: 2.05881166 rev/day
Decay rate: -4.10e-07 rev/day^2
Epoch rev: 5329

Satellite: UO-11

```
Catalog number: 14781
Epoch time:      90196.62757134
Element set:     759
Inclination:       97.9462 deg
RA of node:       248.2520 deg
Eccentricity:    0.0013012
Arg of perigee:   152.5037 deg
Mean anomaly:     207.6821 deg
Mean motion:   14.65494071 rev/day
Decay rate:      1.107e-05 rev/day^2
Epoch rev:           34013

Satellite: RS-10/11
Catalog number: 18129
Epoch time:      90198.06532220
Element set:     256
Inclination:       82.9282 deg
RA of node:       306.4530 deg
Eccentricity:    0.0012828
Arg of perigee:    41.9060 deg
Mean anomaly:     318.3074 deg
Mean motion:   13.72098613 rev/day
Decay rate:       7.30e-07 rev/day^2
Epoch rev:           15354

Satellite: AO-13
Catalog number: 19216
Epoch time:      90196.86706959
Element set:     138
Inclination:       57.0405 deg
RA of node:       145.5100 deg
Eccentricity:    0.6988773
Arg of perigee:   231.4323 deg
Mean anomaly:      42.7199 deg
Mean motion:    2.09704850 rev/day
Decay rate:      -1.57e-06 rev/day^2
Epoch rev:            1600

Satellite: FO-20
Catalog number: 20480
Epoch time:      90195.61058361
Element set:      93
Inclination:       99.0367 deg
RA of node:       236.9380 deg
Eccentricity:    0.0540983
Arg of perigee:   346.5085 deg
Mean anomaly:      12.2023 deg
Mean motion:   12.83158694 rev/day
Decay rate:       5.20e-07 rev/day^2
Epoch rev:            2026
/EX
SB ALL @ AMSAT $ORBS-202.D
Orbital Elements 202.MICROS
```

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS
FROM N3FKV LORENA, TX   JULY 21, 1990
TO ALL RADIO AMATEURS BT

```
Satellite: UO-14
Catalog number: 20437
Epoch time:      90197.87148692
Element set:     181
Inclination:       98.6965 deg
RA of node:       273.8932 deg
Eccentricity:    0.0012402
Arg of perigee:    69.5417 deg
Mean anomaly:     290.7095 deg
Mean motion:   14.28658893 rev/day
Decay rate:       2.30e-06 rev/day^2
Epoch rev:            2510

Satellite: AO-16
Catalog number: 20439
Epoch time:      90197.64903266
Element set:      94
Inclination:       98.7017 deg
RA of node:       273.7876 deg
Eccentricity:    0.0012586
Arg of perigee:    69.5283 deg
Mean anomaly:     290.7248 deg
Mean motion:   14.28763438 rev/day
Decay rate:       3.00e-06 rev/day^2
Epoch rev:            2507

Satellite: DO-17
Catalog number: 20440
Epoch time:      90193.23238435
Element set:      97
Inclination:       98.7026 deg
RA of node:       269.3928 deg
Eccentricity:    0.0012811
Arg of perigee:    81.9185 deg
Mean anomaly:     278.3458 deg
Mean motion:   14.28807998 rev/day
Decay rate:       4.20e-06 rev/day^2
Epoch rev:            2444

Satellite: WO-18
Catalog number: 20441
Epoch time:      90197.63130125
Element set:      98
Inclination:       98.7035 deg
RA of node:       273.8046 deg
Eccentricity:    0.0013278
Arg of perigee:    69.0881 deg
Mean anomaly:     291.1718 deg
Mean motion:   14.28905580 rev/day
Decay rate:       3.04e-06 rev/day^2
Epoch rev:            2507

Satellite: LO-19
Catalog number: 20442
Epoch time:      90197.20278480
Element set:      97
Inclination:       98.7041 deg
RA of node:       273.3972 deg
Eccentricity:    0.0013527
Arg of perigee:    71.0318 deg
Mean anomaly:     289.2319 deg
Mean motion:   14.28974650 rev/day
Decay rate:       3.06e-06 rev/day^2
Epoch rev:            2501
/EX
SB ALL @ AMSAT $ORBS-202.M
Orbital Elements 202.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES
FROM N3FKV LORENA, TX      JULY 21, 1990
TO ALL RADIO AMATEURS BT

Satellite: SALYUT 7
Catalog number: 13138
Epoch time:      90197.74428110
Element set:     384
Inclination:       51.5998 deg
RA of node:       154.3018 deg
Eccentricity:    0.0001838
Arg of perigee:    63.8750 deg
Mean anomaly:     296.2388 deg
Mean motion:   15.66207462 rev/day
Decay rate:     1.6306e-04 rev/day^2
Epoch rev:           46948

Satellite: MIR
Catalog number: 16609
Epoch time:      90197.76909049
Element set:     794
Inclination:       51.6112 deg
RA of node:       181.4066 deg
Eccentricity:    0.0010200
Arg of perigee:   150.1851 deg
Mean anomaly:     209.9638 deg
Mean motion:   15.62940244 rev/day
Decay rate:     -7.186e-05 rev/day^2
Epoch rev:           25272

Satellite: HUBBLE
Catalog number: 20580
Epoch time:      90198.01772867
```

```
Element set:     135
Inclination:       28.4715 deg
RA of node:        59.7912 deg
Eccentricity:    0.0005294
Arg of perigee:    82.9895 deg
Mean anomaly:     277.1393 deg
Mean motion:   14.84603906 rev/day
Decay rate:      2.406e-05 rev/day^2
Epoch rev:            1241

Satellite: BADR-1
Catalog number: 20685
Epoch time:      90198.08455059
Element set:       7
Inclination:       28.4931 deg
RA of node:       297.7287 deg
Eccentricity:    0.0562305
Arg of perigee:   138.0890 deg
Mean anomaly:     226.3844 deg
Mean motion:   14.90429605 rev/day
Decay rate:     1.9729e-03 rev/day^2
Epoch rev:              16
/EX
SB ALL @ AMSAT $ORBS-202.W
Orbital Elements 202.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM N3FKV LORENA, TX      JULY 21, 1990
TO ALL RADIO AMATEURS BT

Satellite: NOAA-9
Catalog number: 15427
Epoch time:      90198.22643387
Element set:     603
Inclination:       99.1690 deg
RA of node:       198.7542 deg
Eccentricity:    0.0014262
Arg of perigee:   286.2590 deg
Mean anomaly:      73.7008 deg
Mean motion:   14.12618650 rev/day
Decay rate:       2.61e-06 rev/day^2
Epoch rev:           28822

Satellite: NOAA-10
Catalog number: 16969
Epoch time:      90193.29612781
Element set:     450
Inclination:       98.5976 deg
RA of node:       220.6777 deg
Eccentricity:    0.0013064
Arg of perigee:   192.8958 deg
Mean anomaly:     167.1887 deg
Mean motion:   14.23661383 rev/day
```

```
Decay rate:       4.59e-06 rev/day^2
Epoch rev:           19818

Satellite: MET-2/16
Catalog number: 18312
Epoch time:      90198.11989557
Element set:     461
Inclination:       82.5529 deg
RA of node:       266.5629 deg
Eccentricity:    0.0011773
Arg of perigee:   162.0799 deg
Mean anomaly:     198.0776 deg
Mean motion:   13.83662676 rev/day
Decay rate:       2.19e-06 rev/day^2
Epoch rev:           14712

Satellite: MET-2/17
Catalog number: 18820
Epoch time:      90198.04692239
Element set:     321
Inclination:       82.5462 deg
RA of node:       326.7218 deg
Eccentricity:    0.0015299
Arg of perigee:   239.4096 deg
Mean anomaly:     120.5554 deg
Mean motion:   13.84353018 rev/day
Decay rate:       1.17e-06 rev/day^2
Epoch rev:           12431

Satellite: MET-3/2
Catalog number: 19336
Epoch time:      90197.59313628
Element set:     531
Inclination:       82.5418 deg
RA of node:       256.6208 deg
Eccentricity:    0.0015918
Arg of perigee:   236.6565 deg
Mean anomaly:     123.3041 deg
Mean motion:   13.16898206 rev/day
Decay rate:       3.91e-06 rev/day^2
Epoch rev:            9482

Satellite: NOAA-11
Catalog number: 19531
Epoch time:      90197.51102764
Element set:     313
Inclination:       98.9820 deg
RA of node:       145.8534 deg
Eccentricity:    0.0011656
Arg of perigee:   196.5791 deg
Mean anomaly:     163.4991 deg
Mean motion:   14.11647557 rev/day
Decay rate:       1.70e-06 rev/day^2
```

```
Epoch rev:            9310

Satellite: MET-2/18
Catalog number: 19851
Epoch time:      90198.09868503
Element set:     265
Inclination:       82.5193 deg
RA of node:       204.6236 deg
Eccentricity:    0.0012533
Arg of perigee:   282.1149 deg
Mean anomaly:      77.8594 deg
Mean motion:   13.83987018 rev/day
Decay rate:      -4.10e-07 rev/day^2
Epoch rev:            6970

Satellite: MET-3/3
Catalog number: 20305
Epoch time:      90197.94828320
Element set:     172
Inclination:       82.5519 deg
RA of node:       197.0046 deg
Eccentricity:    0.0015380
Arg of perigee:   255.4447 deg
Mean anomaly:     104.4954 deg
Mean motion:   13.15860884 rev/day
Decay rate:       6.90e-07 rev/day^2
Epoch rev:            3486

Satellite: MET-2/19
Catalog number: 20670
Epoch time:      90197.72398912
Element set:      19
Inclination:       82.5442 deg
RA of node:       265.2229 deg
Eccentricity:    0.0015602
Arg of perigee:   199.1053 deg
Mean anomaly:     160.9523 deg
Mean motion:   13.83839608 rev/day
Decay rate:       1.08e-06 rev/day^2
Epoch rev:             260
/EX
```

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 6227490484322288683
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd5779a0d5ae6ab
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 23:23:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!bellcore-2!thumper!karn
From: karn@thumper..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Soldering to Aluminum, how to do it.
Keywords: soldering trick
Message-ID: <1990Jul27.062358.26338@bellcore-2.bellcore.com>
Date: 27 Jul 90 06:23:58 GMT
References: <104327@philabs.Philips.Com> <192@bongo.UUCP>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 19
Posted: Fri Jul 27 07:23:58 1990

In article <192@bongo.UUCP> julian@bongo.UUCP (Julian Macassey) writes:
>
>   If you have ever wondered why they use aluminium for heat sinks,
>trying to solder it will answer all your questions.

Despite its popularity, bare aluminum is actually not a very good heatsink material, especially when polished. Although it is a reasonably good conductor of heat, it does not radiate very efficiently. Painting it with almost anything (even white paint) improves the thermal emissivity substantially. The best you can do is to black-anodize it.

Several materials are better thermal conductors than aluminum, including (in decreasing order) silver, copper, gold and beryllium oxide. In fact, the best thermal conductor listed in my reference text, better even than silver, is a non metal, an electrical insulator, optically transparent and mechanically quite rugged. Unfortunately cost is a problem. It's diamond.

Phil

From 4236271339502784656
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b0863edfb131780
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 03:46:31 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!XEROX.COM!"hugh_davies.WGC1RX"
From: "hugh_davies.WGC1RX"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Has anyone made any homemade valves (tubes), semiconductors ...
Message-ID: <900727-040903-3933@Xerox>
Date: 27 Jul 90 10:46:31 GMT
Sender: daemon@ucbvax.BERKELEY.EDU

Organization: The Internet
Lines: 9
Posted: Fri Jul 27 11:46:31 1990

A guy I shared a house with when I was at college made an X-ray tube in the University glass-blowing shop (Andy Bell, where are you now?). We wouldn't let him run it in the house!!! But it worked fine. A triode shouldn't be much more difficult. Your real problems are (i) glass to metal seals (use "invar" wire) and (ii) evacuating & sealing it.

Have fun,

Hugh Davies, G0CNR

From 1195281959824494022
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,af673bb92c362fac
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 05:08:06 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: G5RV antenna
Message-ID: <78@thoreau.nsc.com>
Date: 27 Jul 90 12:08:06 GMT
References: <104332@philabs.Philips.Com> <1250204@hpnmdla.HP.COM> <14563@burdvax.PRC.Unisys.COM>
Organization: National Semiconductor, S. Portland, Maine
Lines: 4
Posted: Fri Jul 27 13:08:06 1990

How could we have forgotten John Kraus' claim to fame:

The 8JK

From 6827905148753615920
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8ea9c9be9970d74e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 06:22:33 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!regent.enet.dec.com!gettys
From: gettys@regent.enet.dec.com (Bob Gettys N1BRM)
Newsgroups: rec.ham-radio
Subject: Re: Need 88-108MHz trap for R7000
Message-ID: <13963@shlump.nac.dec.com>
Date: 27 Jul 90 13:22:33 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 13

Posted: Fri Jul 27 14:22:33 1990

In article <212@nachos.SSESCO.com>, elmquist@nachos.SSESCO.com (Chris Elmquist) writes...
>
>I'm looking for a design or suggestions for a trap that will attenuate or
>remove the 88 to 108 MHz portion of the receivers passband. Has anyone
>Chris N0JCF

Actually the Radio Shack trap works reasonably well. It may be worth setting it up so that you can switch it out, though. Remember, that trap is designed to work with wanted signals from 54 to 800 mhz.

/s/ Bob N1BRM

From 8123268609777297760
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c2c9c64d6cc63585,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 06:58:11 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!PICA.ARMY.MIL!cfishman
From: cfishman@PICA.ARMY.MIL (Clark Fishman, FSAC-FCD)
Newsgroups: rec.ham-radio
Subject: [elmquest: FM Trap for R7000]
Message-ID: <9007270958.aa25591@FSAC1.PICA.ARMY.MIL>
Date: 27 Jul 90 13:58:11 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 36
Posted: Fri Jul 27 14:58:11 1990

----- Forwarded message # 1:

Date: Fri, 27 Jul 90 8:33:11 EDT
From: Clark Fishman (FSAC-FCD) <cfishman@PICA.ARMY.MIL>
To: uc!nachos.SSESCO.com!elmquest@tut.cis.ohio-state.edu
cc: cfishman@PICA.ARMY.MIL
Subject: FM Trap for R7000
Message-ID: <9007270833.aa14403@FSAC1.PICA.ARMY.MIL>

I read your message on info-hams about your FM problem in Mini.

I designed a suckout trap for you on my computer this morning after finishing the bagel... I didnot build it because at this present job I don't have a lab handy, but it should work fairly well, maybe i'll build it at home (I have lot's of equipment there). I will describe the filter to you because I am crummy at drawing schematics using keyboard symbols so here goes..   The filter is a symmetrical tee configuration.

The first series leg is a .080 microhenry coil in parallel with a 32 picofarad cap. The other end connects with a series connected .080 microhenry coil which is in series with a 32 picofarad cap to ground. the right leg of the tee is the same as the left. That is 32 pf cap and .080 uh coil in parallel. Connect in series with your antenna.. The computer program said it should have less than 1 db. loss at 146 MHz and more than 50 db. loss over the whole FM band. If you have questions give a call or e-mail or carrier piegon or smoke signals.

Clark Fishman WA2UNN,phone :day 201-724-6041/7956

night 201-852-7416

box 150 Andover NJ 07821 e-mail: cfishman@pica.army.mil

----- End of forwarded messages

From -3749145575024837062
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1b294491f7a6e4aa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 07:10:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!samsung!sdd.hp.com!ucsd!tut.cis.ohio-state.edu!rutgers!news-server.csri.toronto.edu!utgpu!cunews!bcars8!bnrgate!bcarh342!mleech
From: mleech@bcarh342.bnr.ca (Marcus Leech)
Newsgroups: rec.ham-radio
Subject: Stripline inductors
Keywords: striplines microwaves fabrication-techniques
Message-ID: <1990Jul27.141038.26662@bnrgate.bnr.ca>
Date: 27 Jul 90 14:10:38 GMT
Sender: news@bnrgate.bnr.ca (USENET News Administration)
Organization: Bell-Northern Research, Ltd. Ottawa Ontario CANADA
Lines: 35
Posted: Fri Jul 27 15:10:38 1990

In all the treatments of stripline design that I've read (including the "classic" Stripline Circuit Design, by Harlan Howe)--all the design equations assume a three-layer structure like this: (where ===== represents a stripline inductor).

```
-----------Upper-Ground-Plane----------------
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
\\\\\\\\\\\\\\\\=====\\\\\\\\\\\\\\\\\\\\\\\\
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
-----------Lower-Ground-Plane----------------
```

in this scenario, the stripline inductor is surrounded by a dielectric material of constant Er.

In "real life", one is much more likely to see a structure like this:

```
        .air........................................
        ..............air............air............
        ............................................
        .....air..........=====.....air.............
        \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
        \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
        -----------------Lower-Ground-Plane----------
```

without an upper ground plane (or at least one that is far enough away relative to the lower one to be irrelevant).

Can someone point me to some literature that deals with the "real-life" situation of a mixed environment.

```
-----------------
Marcus Leech, 4Y11             Bell-Northern Research  |opinions expressed
mleech@bnr.ca                  P.O. Box 3511, Stn. C   |are my own, and not
VE3MDL@VE3JF.ON.CAN.NA         Ottawa, ON, CANADA      |necessarily BNRs
```

From 1049724875029768184
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67374fdf8dfe9b8d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 07:13:02 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: More hams or Less - a view from across the Pond.
Message-ID: <27.Jul.90.15:22:21.BST.#1327@UK.AC.NWL.IA>
Date: 27 Jul 90 14:13:02 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 22
Posted: Fri Jul 27 15:13:02 1990

More hams or less; Well personally i am opposed to the 'more at almost any costs' approach. Here in the UK there is a forthcoming 'Novice licence' (3 watts on certain VHF bands without code, same power in certain HF bands with a 5WPM code test. No age limitations or anything).
IMHO this is a retrograde step; what can you do with 3 watts on the HF bands when the guy down the road has 1Kw to a TH6DXX?
I must admit total opposition to this idea. IMHO what we need are more innovators from the 'professional' side of electronics. Has anyone thought of a ham-bands version of cellular? Who is using spread spectrum and/or digital speech-compression (like in CT2 phones)? Has anyone applied high-temperature superconducting elements to ham radio?
I do not believe that a 3-watts licence will introduce the sort of talent required to maintain (let alone develop) the true spirit of ham radio over the next ten years. Equally, I have no reason to suppose

that the mandatory-code-test, head-in-the-sand ostriches have any real
contribution to make. Why should a person have to pretend he is a
modem in order to prove he is a 'real' ham??

Pete Lucas   PJML@UK.AC.NERC-WALLINGFORD.IBMA   0793411613

P.S. I speak solely for myself. If captured, the Government will deny all
knowledge of my operations.

From -2319618588312016293
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6dd70594c00b6d1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 07:18:06 PST
Path: gmdzi!unido!mcsun!uunet!dg!lewine
From: lewine@dg.dg.com (Don Lewine)
Newsgroups: rec.ham-radio
Subject: Re: ICR1 and ICR100 available ex-stock.....
Message-ID: <672@dg.dg.com>
Date: 27 Jul 90 14:18:06 GMT
References: <26.Jul.90.17:09:07.BST.#0929@UK.AC.NWL.IA>
Reply-To: uunet!dg!lewine (Don Lewine)
Organization: Data General, Westboro, MA.
Lines: 13
Posted: Fri Jul 27 15:18:06 1990

In article <26.Jul.90.17:09:07.BST.#0929@UK.AC.NWL.IA> PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon U.K.") writes:
>
>
>Now before you all ask 'WHERE CAN I BUY?'... READ that mail header!
>
>The Icom ICR1 is available in the UK for 399 pounds sterling; the
<<stuff deleted>>

I believe that the R1 and R100 are available everywhere except places
where ICOM America Inc. is the importer. IMHO, ICOM America Inc.
decided not to import them because they are great cellular telephone
receivers. Look for the IC-R1A with the cellular telephone freqs.
deleted.

From -1437790231167154547
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4496c2c0cce3c6b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 07:30:13 PST
Path: gmdzi!unido!mcsun!uunet!ingr!
From: youngwa@b8.INGR.COM (Butch Young)
Newsgroups: rec.ham-radio
Subject: Re: Help: FT470
Summary: Help for FT470

Keywords: VHF
Message-ID: <320@b8.INGR.COM>
Date: 27 Jul 90 14:30:13 GMT
References: <544@ozz.oasis.icl.stc.co.uk>
Organization: Intergraph Corporation Huntsville, AL
Lines: 30
Posted: Fri Jul 27 15:30:13 1990
th: b8!youngwa

In article <544@ozz.oasis.icl.stc.co.uk>, prs@oasis.icl.stc.co.uk (Pete Swynford) writes:
> I own a Yaesu FT470 VHF/UHF hand-held. It covers the European frequencies
> 144-146 & 430-440 MHz. I'd like to extend the coverage so that it can be
> used on other frequencies if I go abroad (eg upto 148 MHz).
> I know there are a number of mods available.
> Has anyone got precise details ??

Greetings!

I can tell you how to enable the extended rec/xmit on a US version FT470,
but I'm not sure it work on your unit, so give it a try.

To extend the receive coverage on 2 meters to 130-180 MHz, turn off the unit
and hold down the up/down arrow keys on the keypad and turn the unit back on.
You may have to do this several times, but it should work. I performed this
operation on my friends' 470 and it worked the first time. By the way, it
also allows transmission from 140-150 Mhz. (This is for informational purposes only, don't xmit out of band unless you have proper permits and such.)
This also extends the UHF range to 430-450 MHz.

Good luck and hope you get to use your unit abroad.

73's   Butch   N4WMT

```
--
#   William A. Young  (Butch)       N4WMT                                  #
#   Mail Stop CR086   Building 8              Telephone (205) 730-4410     #
#   Intergraph Corporation                    7:30am-4:15pm (0730-1615)    #
#   Huntsville, AL  35894-0001                                             #
```

From -3109005869196786107
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 07:33:18 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!rutgers!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <38897@cci632.UUCP>

Date: 27 Jul 90 14:33:18 GMT
References: <900724-020327-19183@Xerox> <38845@cci632.UUCP> <16164@ucsd.Edu> <38860@cci632.UUCP> <1096@ke4zv.UUCP>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 27
Posted: Fri Jul 27 15:33:18 1990

In article <1096@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
>>I think that it's preferable to have five short-term goals, as opposed
>>to a two-step arrangement, where the quality would fall further.
>
>If your goal is to have that Extra Class wallpaper instead of the personal
>satisfaction of mastering a complex electronic circuit, then I feel sorry
>for you. You are free to set any goals for yourself that you like, but
>that doesn't give you the right to mandate those same goals for everyone
>else.

Test-taking is a learning skill, too, though, isn't it? Do you truly believe that most of the people who pass the upper-level written exams do so by blatant memorization, and then forget everything as they accept their certificate of completion? I certainly hope that this is not true. Particularly with the Advanced class written, I learned quite a bit, even about the parts I flat-out memorized.

I would have found it difficult to go through _any_ of the written elements without getting SOMETHING out of it. Believe me, I'm not a class-A student, so I find it difficult to believe that I am that much the exception.

And yes, to a certain degree, I believe that knowing how many lines there are in an SSTV frame is a good thing to know, even though I will never use that mode.

Chris/WZ2B

From 3968793449114265745
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3345d282f9270f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 08:14:56 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!apple!rutgers!att!cbnewsh!wa2sff
From: wa2sff@cbnewsh.att.com (joseph.e.wilkes)
Newsgroups: rec.ham-radio
Subject: Re: Spread Spectrum Repeaters - Technical
Message-ID: <1990Jul27.151456.6000@cbnewsh.att.com>
Date: 27 Jul 90 15:14:56 GMT
References: <2770@anasaz.UUCP>
Organization: AT&T Bell Laboratories
Lines: 46
Posted: Fri Jul 27 16:14:56 1990

In article <2770@anasaz.UUCP>, john@anasaz.UUCP (John Moore) writes:
> We just had a thread here on spectrum efficiency where spread spectrum
> came up as a solution. I would like to look into the technical aspects
> of this a bit. I'm familiar with the theory of direct sequence
> and frequency hop spread spectrum, but have never worked with it. I'm
> also real hazy about practical synchronization techniques.
> Finally, how does one build spread spectrum "repeaters" (ie, something that
> provides roughly the functionality of current FM repeaters)? Phil Karn,
> are you still listening? [I got your other answer, but wanted to get
> more technical and ask more questions].

I would like to raise an issue that I haven't seen discussed and I do not
understand.

I did my doctoral thesis on spread spectrum about 20 years ago.
At that time I used a simple pseudo random signal to phase modulate
a signal.

I did experiments in the Lab and also correlated the theory to the
experiments.

One of the conclusions I came to was that the signal-to-noise ratio (SNR)
improvement of the spread spectrum signal is proportional to the bandwidth.
FM and other systems have a SNR improvement
proportional to the bandwith to a power.
(See any book on communications theory for the concept of SNR of
wide bandwidth signals).

Therefore, if I increase the bandwidth of the signal by 1000,
I get a 30 dB improvement in SNR.

This to me seems very inefficient compared to FM and other systems.

So my question is: are there any other more complicated
spread spectrum systems that get SNR proportional to the
bandwidth to a power?
If so what are they?
If not what have I missed about spread spectrum?

I am concerned that the push to an "efficient" spread spectrum system
may cause us to lose more frequencies.
Just like the "efficient" ACSB system needs new frequencies.

Joe Wilkes
att!hound!wa2sff

From -7688386190163110142
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc31608016317948,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 08:24:37 PST

Path: gmdzi!unido!mcsun!uunet!aplcen!haven!ames!rex!wuarchive!decwrl!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: Digital Voice - who will be first?
Message-ID: <27.Jul.90.16:31:51.BST.#1365@UK.AC.NWL.IA>
Date: 27 Jul 90 15:24:37 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Fri Jul 27 16:24:37 1990

There are coming onto the market here in Europe, some new phone systems which, i believe, use speech digitising. Essentially they digitise & compress speech into 50ms bursts, and by interleaving, give a functionally full duplex circuit on a single radio frequency. This is intrinsically going to have implications for spectrum efficiency. Now this sounds just the sort of thing ham radio could use to advantage. And suitably engineered, it would exclude a fair bit of interference too.
Phones based on this technology are starting to appear here in Europe at surprisingly low cost; within six months or so I guess the digital speech-processing chips may find their way onto the general market.
Wonder which ham radio manufacturer will produce the first radio that dispenses with all the 'audio' stages & substitutes digital?

Pete Lucas G6WBJ   PJML@UK.AC.NERC-WALLINGFORD.IBMA   0793411613

From 7807625773252147954
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3345d282f9270f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 08:33:52 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Spread Spectrum Repeaters - Technical
Message-ID: <2780@anasaz.UUCP>
Date: 27 Jul 90 15:33:52 GMT
References: <2770@anasaz.UUCP> <1990Jul26.221020.24603@bellcore-2.bellcore.com> <2779@anasaz.UUCP>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 53
Posted: Fri Jul 27 16:33:52 1990

In article <1990Jul26.221020.24603@bellcore-2.bellcore.com>
karn@thumper.bellcore.com writes:
]
]>   (2) Spread spectrum systems will have to coexist (in many cases) with
]>   other systems, either in amateur or other land mobile services.
]>   How do you keep products from getting out of band.

]
]Just use filters. Wideband filters with sharp skirts do exist; TV broadcast
]exciters are an existence proof. SAW filters in TV receivers are another
]example.

Thanks for the reply. One comment - obviously with suitable filters you can limit the bandwidth any way you want to (within limits of intersymbol interference). My real question is: how can you do this with readily affordable filters? On repeaters, we normally use pass cavities on the transmitter. Obviously if there is any significant bandwidth to the SS signal, we need filters with more complexity - ie wide pass band with low ripple, followed by steep skirts. This requires a lot more poles/zeroes, which would be more expensive. Keep in mind that on a shared site, transmit power might be 100W (+50dBm) and we may be protecting an adjacent band receiver to -120 dBm - that's 170 dB of protection. If we have that 100W spread across 4 mHz (say, on 2 meters), and we are looking at interference to a 15 kHz wide receiver, we pick up 24 dB, so now we only have to knock down the out of band by 146 dB! That's still a lot of attenuation. Let's assume antenna separation gives us another 30 dB. We are now down to 116 dB of attenuation - stil an awful lot. That's why we use extremely high queue cavities on narrow band transmitters. This analysis ignores the natural fall-off of out-of-band sidebands due to the nature of the spreading modulation, but just outside of the information band, that shouldn't be very much.

Consider base-band filtering. It's sure a lot cheaper to filter at low power at baseband than at RF at high power. Let's say we make a PERFECT baseband filter. We STILL need an ULTRA LINEAR modulator or the interference comes back. This is true of either fast frequency hop or direct sequence.

Please understand that I'm not trying to challenge the idea of SS. I'm just thinking out loud about the problems, in the hope of getting some good feedback from the net.

Comments?
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From 3839350673003014702
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d9714e24afdec34,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 08:50:37 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!select.enet.dec.com!magid
From: magid@select.enet.dec.com (Joel Magid...)
Newsgroups: rec.ham-radio
Subject: New Licenses Ideas ... comments welcome
Message-ID: <13973@shlump.nac.dec.com>
Date: 27 Jul 90 15:50:37 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 71
Posted: Fri Jul 27 16:50:37 1990

The following licensing idea came to mind after reading all of the notes in this file about the "Communicator Class" and "Incentive Licensing"

We could actually use our current system (already in place) and accomplish much of what everyone here has said or commented on.

The goal of this proposal is two fold:

1. Entry Level --- to get more young and non-technical people into this hobby.

2. Have those already in the hobby expand their knowledge of the various aspects of this hobby.

3. Make the administration of the licensing procedure less complicated. (not sure anything the government does is not complex)

Class	Elements	Options
Novice	2	CW 5 WPM
Technician	2,3a	Pick (1) from list below
General	2,3a,3b	" " " " "
Advanced	2,3a,3b,4a	" " " " "
Extra	2,3a,3b,4a,4b	" " " " "
Communicator	2,3a	* (required)

Option List: (Aside from the code Exams these tests will be 25-30 multiple choice questions designed in the same manner as we have our tests designed today however the pool of questions should not be made public)

a. Packet
b. RTTY
c. CW 10 WPM
d. CW 15 WPM
e. CW 20 WPM
f. Microwave
g. Emergency Service / Operations
h. Net Operations / Control
i. SSTV
j. Community Service
  *k. UHF/VHF Operations
l. Satellite

(The above list is not all inclusive)

All current allocations and privs remain the same.

All current licenses are grandfathered.

If the the current proposed Communicator Class is approved the 5 WPM Code will be required for upgrade to Technician. (this assumes that the VHF/UHF privs are different for Technician and Communicator.

The desired results here are that:

1. Everyone can get into the hobby.
2. Those with higher levels of license have a good background into more of the hobbies aspects.
3. We can maintain the same licenses structure and have it mean more to be a certain class then it does now.

From 3047242980899379405
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61aa898e871795a7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 09:00:25 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcmgw!music
From: music@hpfcmgw.HP.COM (John Wells)
Newsgroups: rec.ham-radio
Subject: Re: What to see in COLORADO?
Message-ID: <1690053@hpfcmgw.HP.COM>
Date: 27 Jul 90 16:00:25 GMT
References: <6633@maslow.ptolemy.arc.nasa.gov>
Organization: HP Fort Collins, CO
Lines: 26
Posted: Fri Jul 27 17:00:25 1990

DE WA0LHB IN COLORADO

>Are there interesting things for techies to see while vacationing in Colorado?
 Yes, the mountains...... How about Caboose Hobbies (a really BIG model train store) in Denver? OK, you might be able to visit NCAR (National Center for Atmospheric Reserch) in Boulder (20 mi N.W. of Denver).

>Are there tours of WWV?
  There used to be, I just called the station and they don't give tours any more. There isn't much to see, like any good electronics based lab.... a buncha boxes with weird electronics inside. The multi acre antenna farm with nothing more that a few dipoles strung from the tops of the towers realy isn't impressive.
I've seen funner ham shacks ;-).
WWV is 60 mi north of Denver, between Ft. Collins and Wellington, if you want to drive up just to say that you have been there.

>   Cheyenne Mountain?
The kids wanted to take me there for a birthday present, at the time they wanted a security clearance, take about 6 months for that.   There is a real good zoo on the mountain.

>Suggestions appreciated!
I'd like to go to Washington and see the Smithsonian!!!!!!!!

     73's   John Wells WA0LHB in Ft. Fun, Coloradio.

From 2138945604834135703
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6dd70594c00b6d1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 09:20:36 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!rice!cs.utexas.edu!sdd.hp.com!hplabs!hpl-opus!hpspdra!henryb
From: henryb@hpspdra.HP.COM (Henry Black)
Newsgroups: rec.ham-radio
Subject: Re: ICR1 and ICR100 available ex-stock.....
Message-ID: <12280009@hpspdra.HP.COM>
Date: 27 Jul 90 16:20:36 GMT
References: <26.Jul.90.17:09:07.BST.#0929@UK.AC.NWL.IA>
Organization: HP Stanford Park - Palo Alto, CA
Lines: 19
Posted: Fri Jul 27 17:20:36 1990

In article <26.Jul.90.17:09:07.BST.#0929@UK.AC.NWL.IA>,
PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas   writes:

> The Icom ICR1 is available in the UK for 399 pounds sterling; the
> . . . .
> Dont know what the current exchange rate is, i guess its about 1.85 dollars

Whereas In article <1990Jul26.001037.21586@portia.Stanford.EDU>,
paulf@jessica.Stanford.EDU (Paul Flaherty) writes:

> . . . . However, for a few
> hams who are lucky enough to be able to travel to Japan on a regular, it
> is possible to buy an R1. The list price is Y54,000; actual prices vary in
> the Y43,000 to Y48,000 range. This translates to around $300US, certainly

So an R1 is about US$300 in Japan but about US$750 in Britain!
Someone is ripping someone off.

Henry Black (KK6JR, G4NOC) henryb@hpspd.HP.COM +1 415 857 6655
Purely _my_ opinions, unless my employer can make money out of them.

From -5471631175219657524
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,849883754ae140a6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 10:21:58 PST
Path: gmdzi!unido!mcsun!uunet!comp.vuw.ac.nz!virtue!newsmgr
From: mikef@hpsadle.HP.COM (Mike Ferrara)
Newsgroups: rec.ham-radio
Subject: Results of SURPLUS survey
Message-ID: <1530049@hpsadle.HP.COM>
Date: 27 Jul 90 17:21:58 GMT
Organization: HP Signal Analysis Division - Rohnert Park, CA
Lines: 139
Posted: Fri Jul 27 18:21:58 1990

OK Here's what I've got so far ...
On some of these, I've put Thomas Guide map page numbers and coordinates
in square brackets.

Sacramento Area:

Elektronics, on Del Paso Blvd, 1 block south of Arden Way. Mostly old electronic surplus, with instruments, radios, etc ...

HSC Electronics on Hemlock St north of AUburn Blvd. Mostly computer stuff, with some generic electronics. This place is run by Halted with other stores in Santa Clara and Cotati.

Marvac on Del Paso Blvd (a couple of blocks north of Arden way) Some new stuff, lots of old stuff, mostly non-computer, generic electronics.

San Francisco Peninsula:

Los Altos, Foothills College Flea Market, 2nd Saturday of every month thru September. Everybody raves about this as THE source for surplus goodies.

Mountain View, Haltek, 1062 Linda Vista. Good supply of surplus discrete components, and scrapped subassemblies. (415) 969-0510. There is one of these in Santa Rosa, on So. Santa Rosa Ave,

Mountain View, pizza place, on El Camino Real southbound just south of Shoreline. This is the BEST Italian food I've had west of Rome, NY. (You work up quite a hunger when surplusing)

Milpitas, Weird Stuff Wherehouse, off Montegue Expy

Milpitas, R&D Electronic Parts, 1432 S. Main St (408) 262-7154 [47-F5]

Redwood City, HDB, 2860 Spring St. Mostly new stuff now. [37-B2]

Redwood CIty, Allen Steel, Whipple Rd. (Edgewood Ave Exit off 101) [36-D3]

San Carlos, J&H, 476 Industrial Way, take Holly exit off of 101, near corner of Industrial and Holly. Good supply of Aluminum tubing and rod stock for antennas. Lots of aluminum, steel, and brass bar and plate stock. Some plastics like delrin, and teflon. Some older electronic components. reasonable supply of wire. (415) 591-7113 [33-D4]

San Jose, A to Z Surplus, next to Quement Electronics (on So. Basecom). Mostly surplus instruments, spare parts, and junk.

Santa Clara, Halted Specialties Ltd. 3500 Ryder Ave; Corner of Lawrence Expy and Central Expy. Lots of computer, some retail ham, lots of surplus discrete parts, and some instruments. This is the same as HSC. (408) 732-1573 [53-D3]

Santa Clara, Advanced Component Electronics, 911 George, 3479 Kifer, Usually not open on Saturdays, (408) 730-4660

Oakland/Berkeley

Belmont, Jameco, 1355 Shoreway Road, (415) 592-8097.

Berkeley, Electronics Etc, 2738 10th St (415) 845-0169.

Oakland, Alongside 580 Freeway, lots of components and test equipment

Oakland, Mike Quinn Electronics, 1080 Langley (415) 569-1539.

North Bay

Cotati, HSC Electronics (see Halted, above).

Santa Rosa, Haltek, So. Santa Rosa Ave. (see Haltek, above).

Santa Rosa, Bataeff Salvage, 244 Mountain View Ave, Scrap Metal, Rope (including Mountain climbing ropes at great prices). Misc surplus junk.

Greater Los Angeles

Hollywood, Op Amp Books, Best source for technical books I've ever seen ... our corporate library deals almost exclusively with them.

Pasadena, C&H Surplus, Colorado Blvd at Allen

Redondo Beach, Gott Electronics ... The Best for lasers

???, Davilyn and CS Sales, Mixed Goodies, like motors and stuff.

Other

Kitchener-Waterloo, K-W Surplus on Victoria at Hwy 86

Toronto, Active Electronics, Queen W near Spadina

Atlanta, Quality Computer Components

Atlanta, Peachtree quality salvage

Utica, NY, Central Electronics, Lots of components, relays, motors, test equipment. Good prices.

Have I missed any?

Mike Ferrara M/S 2LRR
HP Signal Analysis Div R&D
1212 Valley House Drive
Rohnert Park, CA 94928
(707) 794-4479
mikef%hpsadle@hp-sde.sde.hp.com
mikef@hpsadle.hp.com

From 6343944443341976268
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 10:41:44 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: extra exam matter Re: Qualification-based licensing
Message-ID: <10437@crdgw1.crd.ge.com>
Date: 27 Jul 90 17:41:44 GMT
References: <900724-020327-19183@Xerox> <38845@cci632.UUCP> <16164@ucsd.Edu> <38860@cci632.UUCP> <1096@ke4zv.UUCP> <38897@cci632.UUCP>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 28
Posted: Fri Jul 27 18:41:44 1990
In-reply-to: cep@cci632.UUCP (co-op)

In article <38897@cci632.UUCP>, cep@cci632 (co-op) writes:

>And yes, to a certain degree, I believe that knowing how many lines
>there are in an SSTV frame is a good thing to know, even though I will
>never use that mode.
>
>Chris/WZ2B

I just started skimming through the ARRL extra study manual. It seems odd to me that they have as much as they do on space operation regulations. Since they only apply to transmissions originating in space (not someone on earth using OSCAR), how many hams could these rules apply to?

If I was going to launch a satelite or operate from a space shuttle, I would certainly check the rules again rather than count on remembering them from the extra exam (and hoping they hadn't changed).

I am not saying the exam should be easier, but having questions about these rules in the pool means they must be displacing ones of more practical import.

As I said, I was just skimming through, so maybe I am missing the big picture.

-don perley ke2tp.
perley@trub.crd.ge.com

From -6559792971341390319
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a72c86213f3376ca,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,a72c86213f3376ca,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-07-27 10:56:23 PST
Path: gmdzi!unido!mcsun!uunet!husc6!wuarchive!decwrl!fernwood!synopsys!georgez
From: georgez@synopsys.com (George Z)
Newsgroups: rec.ham-radio.swap,rec.ham-radio
Subject: Duplexers Wanted
Keywords: Duplexer, UHF
Message-ID: <562@synopsys.COM>
Date: 27 Jul 90 17:56:23 GMT
Followup-To: georgez@synopsys.com
Organization: Synopsys, Inc. Mountain View, CA USA
Lines: 13
Xref: gmdzi rec.ham-radio.swap:537 rec.ham-radio:13338
Posted: Fri Jul 27 18:56:23 1990

I am looking for UHF mobile and repeater duplexers.

Small, Medium and Large!

I need duplexers that cover both 420-430 MHz AND duplexers
that cover the 440-450 NHz band.

Thanks.

George KJ6VU (408) 927-0357

Internet address: georgez@synopsys.com

From -4314576268647943494
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f8995c98fd67c2bd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 12:21:17 PST
Path: gmdzi!unido!mcsun!uunet!ingr!remtech!zaphod!david
From: david@zaphod.remtech.com (David Hollman)
Newsgroups: rec.ham-radio
Subject: testing
Summary: more testing
Keywords: more testing
Message-ID: <david.649106477@zaphod>

Date: 27 Jul 90 19:21:17 GMT
Sender: news@remtech.com
Distribution: rec
Lines: 1
Posted: Fri Jul 27 20:21:17 1990

CQ DX DE AB4VL

From 1743678720357069651
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61aa898e871795a7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 12:32:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: What to see in COLORADO?
Message-ID: <7880216@hpfcdc.HP.COM>
Date: 27 Jul 90 19:32:22 GMT
References: <6633@maslow.ptolemy.arc.nasa.gov>
Organization: HP Ft. Collins, Co.
Lines: 13
Posted: Fri Jul 27 20:32:22 1990

> Are there tours of WWV?

No, at least not of the antenna farm NE of Fort Collins.

I know we do site tours here at this HP site, but only for groups and organizations, I believe.

Anheuser-Busch does have public tours of their beer plant (also NE of town).

NOAA allows public visiting (and tours?) of their Table Mesa site (NCAR, National Center for Atmospheric Research) in Boulder -- worth a drive up just for the scenery. But their hours are limited; call them.

From -7183992034323685102
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b0863edfb131780
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f4886,94c71a8d05b14aa4,start
X-Google-Attributes: gidf4886,public
X-Google-Thread: 105d97,9b0863edfb131780
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-07-27 12:40:29 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!uakari.primate.wisc.edu!dali.cs.montana.edu!milton!uw-beaver!sumax!quick!amc-gw!sigma!flash!bill
From: bill@flash.UUCP (bill)

Newsgroups: sci.electronics,rec.ham-radio,sci.chem
Subject: Re: Has anyone made any homemade valves (tubes), semiconductors ...
Summary: liquid semiconductors?
Message-ID: <972@flash.UUCP>
Date: 27 Jul 90 19:40:29 GMT
References: <872@massey.ac.nz>
Reply-To: bill@flash.UUCP (bill)
Followup-To: sci.electronics,sci.chem
Organization: ^
Lines: 29
Xref: gmdzi sci.electronics:7691 rec.ham-radio:13374 sci.chem:1237
Posted: Fri Jul 27 20:40:29 1990

In article <872@massey.ac.nz> GMoretti@massey.ac.nz (Giovanni Moretti):
>[...] You can make resistors out of pencil leads, capacitors and
>inductors are easy, headphones are possible (not easy) and you can
>use Galena (lead sulphide I think for a diode), but what about things
>with GAIN.
>I've had this dream of making a triode in a peanut butter jar (a
>small strong one :=) ...

I recall one of the hobby electronics magazines (Popular Electronics?
Radio-Electronics?) ran an article on "liquid semiconductors" sometime
between May '68 and June '69 - maybe it was the April 1st issue. :-)
Don't know how they formed the PN junctions. :-)

(I recall looking at the article, and yes, they were building components
in jars - but I didn't have the money then to buy the magazine. Anyone
else remember it? Now I am curious.)

>And how about batteries with household chemicals (ie not sulphuric)

I only tried once, in a few idle moments some time ago, with some
alumin{i}um foil, square of paper, a copper penny, and saltwater. Got
something like .6V open circuit, 1 mA short circuit (for a second or so,
then it started to drop to some lower level). I'm sure it could be greatly
improved. :-)

[I've added sci.chem to this because this is getting into their realm.
Any ideas, anyone? ..Larry? :-)]

From -6432384607797668730
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,de28f2054ceb3650
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 12:45:40 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio

Subject: Re: How to get started.
Message-ID: <7880218@hpfcdc.HP.COM>
Date: 27 Jul 90 19:45:40 GMT
References: <1618@ole.UUCP>
Organization: HP Ft. Collins, Co.
Lines: 40
Posted: Fri Jul 27 20:45:40 1990

> What is the best way to get started?

I stopped putting it off when a convenient, free, local course was put on by some hams. You don't need to do that, though. Self-study would suffice.

> Where can I get good books to get started on it...

I recommend "Welcome to the World of Ham Radio", by the ARRL, available for about $20 with Morse code study tapes from many electronics stores. It was fairly complete, well organized, easy to digest, and included the Novice question pool. The tapes are good too.

> ...is it possible to learn everything that is required for the test
> through self-study...

My opinion: Yes, given the above book and tapes.

> ...is it necessary to take an official course and pass it?

No, only to take an official, correctly-administered test and pass it.

> I should think that receiving and monitoring airwaves is perfectly
> alright on any radio band?

All but cellular phone (I think). Listening there is illegal.

> I would appreciate any help that you can give me and any suggestions
> that you may have...

Find someone who's been a ham a while and who's willing to help you. For example, borrow a radio and listen during the weeks before you take the test.

Good luck, and have fun! You might start by writing down your goals and interests in the hobby, so as to help you remember them as you study and learn. It can be overwhelming. I focused on the union of "what I'm interested in" and "what I must know to pass the tests".

Alan, N0MFW

From -7366699313282799735
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1029476408287eb8,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 12:49:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!PSUARCH.BITNET!PLB
From: PLB@PSUARCH.BITNET ("P Bandini, PSU Arch Dept, 814/863-0062")
Newsgroups: rec.ham-radio
Subject: Emergencies...
Message-ID: <5B1F7975CCDF0000B5@PSUARCH.Bitnet>
Date: 27 Jul 90 19:49:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18
Posted: Fri Jul 27 20:49:00 1990

Bill Meahan (sdd.hp.com!samsung!umich!pmsmam!wwm@ucsd.edu) writes on 21 Jul 90:

(stuff deleted)

>In other words, don't be lulled into a false sense of security because the
>military 'has' a lot of communications gear and the police 'have' a lot
>of communications gear. If it isn't there or won't work on the right
>frequencies - it's worthless and an alternative is required. Usually,
>that alternative is amateur radio.

(stuff deleted)

What a reassuring thought to know that in case of emergency, not only
human lives and private property, but also National Security may be in
the hands of a bunch of... Amateurs! (pun intended)

-P. Bandini

==

From 4508591361770101452
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11f73b5dc073ff94,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 13:17:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
PSUARCH.BITNET!PLB
From: PLB@PSUARCH.BITNET ("P Bandini, PSU Arch Dept, 814/863-0062")
Newsgroups: rec.ham-radio
Subject: Costs...
Message-ID: <5B1B9A3C235F0000B5@PSUARCH.Bitnet>
Date: 27 Jul 90 20:17:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 22
Posted: Fri Jul 27 21:17:00 1990

Patrick Taber (shlump.nac.dec.com!ryn.esg.dec.com!ultnix!taber@decuac.dec.com)
writes on 19 Jul 90:

(stuff deleted)

```
>Maybe I don't scare easy, or maybe I believe you use the right tool for the
>right job.  I don't forsee a lot of cellular phones being used to coordinate
>races, public events, etc.  It can be done -- but to get the level of service
>you need would be expensive.  The right tool in this case is something that
>doesn't get billed by the minute and allows contacting multiple stations at
             ^^^^^^^^^^^^^^^^^^^^
>one time.  I.E. radio until something better comes along.
```

(stuff deleted)

Sorry, but I think I *am* paying... every time I get my cellular phone bill, I can't help it but to think that my bill could be lower, or the service better, or both, if frequencies now allocated to your hobby/service were to be given to the cellular industry.

-P. Bandini
===

From -6464966327248140703
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd5779a0d5ae6ab
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 13:23:35 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!hplsla!tomb
From: tomb@hplsla.HP.COM (Tom Bruhns)
Newsgroups: rec.ham-radio
Subject: Re: Soldering to Aluminum, how to do it.
Message-ID: <5720077@hplsla.HP.COM>
Date: 27 Jul 90 20:23:35 GMT
References: <104327@philabs.Philips.Com>
Organization: HP Lake Stevens, WA
Lines: 6
Posted: Fri Jul 27 21:23:35 1990

> If you have ever wondered why they use aluminium for heat sinks,
> trying to solder it will answer all your questions.

And if you have ever wondered why "they" use heat pipes for really efficient heat transfer, trying to solder a copper water pipe with water still in it will ...

From 8464781654613368917
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e03e5dec68e502bb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 13:37:35 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)

Newsgroups: rec.ham-radio
Subject: 73 Mag changes flavor
Message-ID: <9007272037.AA15025@ucsd.edu>
Date: 27 Jul 90 20:37:35 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1
Posted: Fri Jul 27 21:37:35 1990

Is there an internet path to GENIE?

From 3599290225555694141
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd5779a0d5ae6ab
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 13:44:40 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!hplsla!tomb
From: tomb@hplsla.HP.COM (Tom Bruhns)
Newsgroups: rec.ham-radio
Subject: Re: Soldering to Aluminum, how to do it.
Message-ID: <5720078@hplsla.HP.COM>
Date: 27 Jul 90 20:44:40 GMT
References: <104327@philabs.Philips.Com>
Organization: HP Lake Stevens, WA
Lines: 19
Posted: Fri Jul 27 21:44:40 1990

>Despite its popularity, bare aluminum is actually not a very good
>heatsink material, especially when polished. Although it is a reasonably
>good conductor of heat, it does not radiate very efficiently. Painting
>it with almost anything (even white paint) improves the thermal
>emissivity substantially. The best you can do is to black-anodize it.

But unless what you want to cool is really quite a bit hotter than
its surroundings, or you are operating in a vacuum, you are going to
want good convection; the percentage of cooling that takes place
from radiation for a transistor heat sink is, I believe, quite low.

>Several materials are better thermal conductors than aluminum, including
>(in decreasing order) silver, copper, gold and beryllium oxide. In fact,
>the best thermal conductor listed in my reference text, better even than
>silver, is a non metal, an electrical insulator, optically transparent
>and mechanically quite rugged. Unfortunately cost is a problem. It's
>diamond.

And a heat pipe should be even better if properly designed ;-)

From -4134046646820616683
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3adc130cac15658f,start

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 13:56:20 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-
pcd!hplsla!bobc
From: bobc@hplsla.HP.COM (Bob Cutler)
Newsgroups: rec.ham-radio
Subject: Re: Any info on 'ROSS'?
Message-ID: <5720079@hplsla.HP.COM>
Date: 27 Jul 90 20:56:20 GMT
References: <646@beguine.UUCP>
Organization: HP Lake Stevens, WA
Lines: 3
Posted: Fri Jul 27 21:56:20 1990

I've bought a few things from  ROSS -- no problems.  I think he
charges extra for credit card orders.  He'll accept personal checks, but
won't ship until the check clears.  I've never tried to return anything.


From 3962847234033425226
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,74bf978fabd099c1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 13:57:57 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ames!coherent!athertn!steveh
From: steveh@athertn.Atherton.COM (Steve Harding)
Newsgroups: rec.ham-radio
Subject: Re: Advice wanted - 2m HT
Message-ID: <27910@willow.athertn.Atherton.COM>
Date: 27 Jul 90 20:57:57 GMT
References: <1724JKOSS00@RICEVM1> <30500619@ux1.cso.uiuc.edu>
Reply-To: steveh@Atherton.COM (Steve Harding)
Organization: Atherton Technology, Sunnyvale, CA
Lines: 11
Posted: Fri Jul 27 21:57:57 1990

In article <30500619@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>
>> 2)  Band:   According to what I've been hearing on the net, 2m is a zoo
>>             and 70cm is empty. So, the question is whether I should get
>
>2 meters is not the zoo some make it out to be except during drive time.
>
I guess it depends on where you live.  I've heard some strange animals on ALL
frequencies.

73 de KA6ETB


From -2392993097797463140
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95baab78fda78b1c,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-Thread: 114aac,95baab78fda78b1c,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-27 14:32:57 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: R7000 Trap for Broadcast FM
Message-ID: <3607@radio.oakhill.UUCP>
Date: 27 Jul 90 21:32:57 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 17
Xref: gmdzi rec.ham-radio:13345 rec.radio.shortwave:1708
Posted: Fri Jul 27 22:32:57 1990

Ah yes! the FM broadcast problem! A new tower was just
erected in my neighborhood with TWO (count em) FM broadcast
stations on the tower. My R7000 gets de-sensed by
the 50KW signals from these stations. There are some
good programs in BASIC for designing your own notch
filter...the program I'm thinking about is on most
ham bbs's and is called ECD(electronic circuit designer).
I may get around to doing this one of these days. Also I have
used Pspice to simulate the response from filters
designed using ECD. Normally you can expect
about ~6dB of insertion loss; a gasfet preamp after
the filter can make up for this. In summary the R7000
can get overloaded from strong signals like FM stations.

Regards,
Charlie Thompson WB4HVD

From -3668982074787625552
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11f73b5dc073ff94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 15:03:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
decwrl!shelby!portia.stanford.edu!jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: Costs...
Message-ID: <1990Jul27.220344.7742@portia.Stanford.EDU>
Date: 27 Jul 90 22:03:44 GMT
References: <5B1B9A3C235F0000B5@PSUARCH.Bitnet>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 19
Posted: Fri Jul 27 23:03:44 1990

In article <5B1B9A3C235F0000B5@PSUARCH.Bitnet> PLB@PSUARCH.BITNET ("P Bandini, PSU
Arch Dept, 814/863-0062") writes:

>I can't help it but to think that my bill could be lower, or the service
>better, or both, if frequencies now allocated to your hobby/service were to
>be given to the cellular industry.
>-P. Bandini

Since you can't help thinking, you'd better explain yourself. Why would
cellphones be cheaper if more spectrum were allocated? Certainly, this
would not affect the price of the hardware. Also, with the exception of
the LA basin, the existing allocation of 20 MHz has yet to to be saturated.
Finally, the newer cellphones will be digital, initially more expensive, and
will run from 1.3-1.5 GHz.

Frankly, cellphones WILL become VERY expensive if we don't train people to
design, build, and repair them. That's at least one of the justifications for
amateur spectrum.

-=Paul Flaherty, N9FZX/VK2WYX | "TEXAS! Has a USENET in it... (Lord have Mercy
->paulf@shasta.Stanford.EDU | on us all!)" -- _The Best Little Net in Texas_

From 5723636921360019520
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,25c776e95d3eaa1c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 15:07:44 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!mailrus!uwm.edu!rpi!
zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!ucdavis!csusac!sactoh0!jre
From: jre@sactoh0.UUCP (Jim Earl)
Newsgroups: rec.ham-radio
Subject: Mods for a Radio Shack PRO34 scanner
Keywords: Need mods (if any)
Message-ID: <3604@sactoh0.UUCP>
Date: 27 Jul 90 22:07:44 GMT
Organization: Sacramento Public Access, Ca. USA
Lines: 9
Posted: Fri Jul 27 23:07:44 1990

Posting this for a friend. He recently received a Radio Shack
PRO34 scanner for his birthday. Are there any mods available for
it to increase coverage?

--
 --- Jim Earl - KB6KCP ---
...ames!pacbell!sactoh0!jre
...ucbvax!csusac!sactoh0!jre

From -2786767853910713771
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b0863edfb131780
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,9b0863edfb131780

X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-07-27 15:13:42 PST
Path: gmdzi!unido!mcsun!uunet!midway!linac!uwm.edu!wuarchive!cs.utexas.edu!texbell!nuchat!steve
From: steve@nuchat.UUCP (Steve Nuchia)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Has anyone made any homemade valves (tubes), semiconductors ...
Message-ID: <26763@nuchat.UUCP>
Date: 27 Jul 90 22:13:42 GMT
References: <872@massey.ac.nz> <37291@shemp.CS.UCLA.EDU> <1990Jul27.040826.961@swbatl.sbc.com>
Reply-To: steve@nuchat.UUCP (Steve Nuchia)
Organization: Houston Public Access
Lines: 15
Xref: gmdzi sci.electronics:7674 rec.ham-radio:13349
Posted: Fri Jul 27 23:13:42 1990

Back in high school it occurred to me that it might be possible to build a liquid state "tube". Immerse the electrodes in an electrolyte solution and see what you can make it do... I didn't know enough electronics, physics, or chemistry (though I thought I did) to give it a fair test at the time.

Anybody know whether it is possible to get gain out of such a device? Granted its lifetime is very short, but it compares well with the properties of homemade vacuum tubes (if it works, of course).

--
Steve Nuchia   South Coast Computing Services   (713) 964-2462
"To learn which questions are unanswerable, and _not_to_answer_them;
this skill is most needful in times of stress and darkness."
Ursula LeGuin, _The_Left_Hand_of_Darkness_

From -7116830799569853778
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3345d282f9270f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 15:24:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!mailrus!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Spread Spectrum Repeaters - Technic
Message-ID: <30500624@ux1.cso.uiuc.edu>
Date: 27 Jul 90 22:24:00 GMT
References: <2770@anasaz.UUCP>
Lines: 9
Nf-ID: #R:anasaz.UUCP:2770:ux1.cso.uiuc.edu:30500624:000:360
Nf-From: ux1.cso.uiuc.edu!phil   Jul 27 17:24:00 1990
Posted: Fri Jul 27 23:24:00 1990

> I am concerned that the push to an "efficient" spread spectrum system
> may cause us to lose more frequencies.
> Just like the "efficient" ACSB system needs new frequencies.

Unless we are doing it, too.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 4145171503877997132
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b44dd78fac4b23a7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 15:27:00 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!cs.utexas.edu!samsung!crackers!cpoint!frog!john
From: john@frog.UUCP (John Woods)
Newsgroups: rec.ham-radio
Subject: Re: August QST
Keywords: technical batteries
Message-ID: <17168@frog.UUCP>
Date: 27 Jul 90 22:27:00 GMT
References: <1990Jul25.060520.25385@tandem.com>
Organization: Misanthropes-R-Us
Lines: 15
Posted: Fri Jul 27 23:27:00 1990

In article <1990Jul25.060520.25385@tandem.com>, kevinr@moe.Tandem.COM (Kevin J. Rowett) writes:
> I can't believe we've not seen at least one messgae noting the
> lead article in the August QST :-) Are you all out there
> building one?

Well, in fact, when I saw the article, my first reaction was "Oh, great, yet another computer weenie using massive overkill to solve a fairly simple problem."

The article states "This project is just one more example of how microcomputers are changing the shape of Amateur Radio," and at $125 for a battery charger, I should certainly say so.
--
John Woods, Charles River Data Systems, Framingham MA, (508) 626-1101
...!decvax!frog!john, john@frog.UUCP, ...!mit-eddie!jfw, jfw@eddie.mit.edu

---

From 8418658011043411985
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b1a9dfed20d8e3e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 15:34:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!crackers!cpoint!frog!john
From: john@frog.UUCP (John Woods)

Newsgroups: rec.ham-radio
Subject: Re: Do we need *more* hams, or less?
Message-ID: <17169@frog.UUCP>
Date: 27 Jul 90 22:34:00 GMT
References: <24.Jul.90.18:03:33.BST.#9528@UK.AC.NWL.IA> <1083@ke4zv.UUCP>
Organization: Misanthropes-R-Us
Lines: 13
Posted: Fri Jul 27 23:34:00 1990

In article <1083@ke4zv.UUCP>, gary@ke4zv.UUCP (Gary Coffman) writes:
> Two points. First point is that the average age of current amateurs is
> around fifty. This does not bode well for the future of the service.
> Therefore we need more, hopefully young, hams to provide for the future
> of the service.

Fascinatingly enough, the cover story in this month's QST is a bunch of
pictures of young hams. It would have been real nice if there had been
an attached article about programs the ARRL has for encouraging young
hams, and what YOU, K 0 Random Ham, can do, but no...
--
John Woods, Charles River Data Systems, Framingham MA, (508) 626-1101
...!decvax!frog!john, john@frog.UUCP, ...!mit-eddie!jfw, jfw@eddie.mit.edu

From -2128541192003806099
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3345d282f9270f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 15:34:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!uwm.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Spread Spectrum Repeaters - Technic
Message-ID: <30500625@ux1.cso.uiuc.edu>
Date: 27 Jul 90 22:34:00 GMT
References: <2770@anasaz.UUCP>
Lines: 41
Nf-ID: #R:anasaz.UUCP:2770:ux1.cso.uiuc.edu:30500625:000:2194
Nf-From: ux1.cso.uiuc.edu!phil   Jul 27 17:34:00 1990
Posted: Fri Jul 27 23:34:00 1990

> If you really want a simultaneous repeater for spread spectrum signals,
> build a wideband crossband translator. Otherwise, build a single frequency
> packet switch that need not transmit and receive simultaneously.

A linear translator has its own disadvantages. I was thinking in terms of
repeaters of the type that deal with one signal, and bring that signal to
a standard level before retransmiting it. FM and digital voice do this,
and I certainly would want to detect and reconstruct the signal at the
repeater before noise and errors build up beyond detectability. But maybe
there is a way I don't know about to do SS repeating w/o the problems of

a linear translator system.

> >Use bandpass filters in the sinusoidal domain.
>
> What does this mean?

A conventional bandpass filter. By "sinusoidal domain" I meant to rule out filtering in other domains such as time, code, etc.

> On the contrary. ANY decent spreading method will produce a signal that is
> statistically indistinguishable from broadband (though still band-limited)
> noise. Even linear feedback shift registers (PN generators) of the type
> allowed for amateur operation will suffice, and these happen to be the very
> same type of circuits used for modem scramblers. (Indeed, a modem scrambler
> is really just a spread spectrum modulator with a 1:1 spreading ratio.)
> Therefore no additional steps are needed to eliminate spectral lines (other
> than picking a long enough shift register).

If the the RATE of the stepping of the shift register is 1 Mhz, for instance, then we will see peaks and valleys at that interval. There will, of course, be a noise-like signal and so the peaks won't be much. I think maybe the problem here is that the rate needs to be high enough to properly spread over the desired bandpass. 1 Mhz, while getting you out beyond 1 Mhz, isn't right since the information beyond 1 Mhz is redundant. Or maybe for some reason you want the redundancy.

I guess I need to get out an FFT and play around with the spectrums some.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 2274372401541398927
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca44be29fc1568c1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 15:42:00 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Alkaline battery hazards
Message-ID: <30500626@ux1.cso.uiuc.edu>
Date: 27 Jul 90 22:42:00 GMT
References: <104533@philabs.Philips.Com>
Lines: 14
Nf-ID: #R:philabs.Philips.Com:104533:ux1.cso.uiuc.edu:30500626:000:887
Nf-From: ux1.cso.uiuc.edu!phil   Jul 27 17:42:00 1990
Posted: Fri Jul 27 23:42:00 1990

Alkaline technology is different than the classical LeClanche cell, and it has a polarity reversal the way they are making them. The POSITIVE side is

connected to the cell case, usually in one solid piece. Most flashlights
have the NEGATIVE end of the battery on the downside, and thus the case of
the flashlight (metal one) is NEGATIVE and can short out with the POSITIVE
cell case if the insulation wears through. This is also a nasty problem
for those little 9 volt batteries, which have 6 miniature cells inside.
I took one of these apart once after it was "dead" and after having done
this, at a later time, managed to get a cell shorted. It blew its guts
out the bottom. Just makes you wonder the power of a fresh D-cell.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 3870399077309591027
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 16:49:36 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!sdd.hp.com!decwrl!ames!excelan!tonyb
From: tonyb@ka.excelan.com (Tony Bamberger)
Newsgroups: rec.ham-radio
Subject: Re: Airwave Wars
Summary: Cellular phones are ok, but...what about the busy signal???
Message-ID: <1613@excelan.COM>
Date: 27 Jul 90 23:49:36 GMT
References: <1990Jul18.215248.11497@bellcore-2.bellcore.com> <186@bongo.UUCP>
<187@bongo.UUCP>
Sender: news@excelan.COM
Organization: Novell, San Jose CA.
Lines: 108
Posted: Sat Jul 28 00:49:36 1990

In article <187@bongo.UUCP>, julian@bongo.UUCP (Julian Macassey) writes:
> In article <2800@wyse.wyse.com>, stevew@wyse.wyse.com (Steve Wilson x2580
dept303) writes:
> > In article <186@bongo.UUCP> julian@bongo.UUCP (Julian Macassey) writes:
>
> Ooodles of stuff deleted to reduce tedium.
>
> > >If my local emergency service needs more coms these days, they don't
> > >call out the fat guys with the walkie-talkies on their belts and
> > >obsolete police radios in their cars. They call up a cellular carrier
> > >and get some cellular phones that give them instant coms and ability
> > >to communicate anywhere in the world.
> >
> > Yes they do. Cel Tel doesn't cover the world (yet ;-). Communicating
> > anywhere in the world ?? I thought that was what HF was for ;-)
>
>   Let me see now. I have a cellular phone and I want to talk to
> the Red Cross HQ in Switzerland. I don't have the phone number at
> hand, no problem. I dial the AT&T operator and ask for "Switzerland,
> Geneva, International Red Cross." In no time at all I will have the

> number. Then I dial 01141-114122 and talk directly to the biggies in
> Switzerland.
>
> --
> Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
> N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

Julian, your comments are not without some merit, but I think you may be missing something here... First Amateur Radio and Cellular telephones each have their place in emergency communications.

If the disaster is localized (say an airplane crash or high-rise fire) there is no reason why cellular telephones can't be used. GTE even offers a free package called a "GO-PACK" with five telephones, portable fax, and a technician (for training) to any emergency agency on a per incident basis for just a telephone call. This capability may be all that is required in a small incident.

In a larger incident (like the Loma Prieta earthquake) the cellular telephones just won't work for the initial response! Several people have commented about "How the cell sites stayed up during the earthquake", but I haven't heard anybody comment about who they talked to when PacBell shutdown exchanges! It doesn't do much good to be able to connect with the cellular carrier and not be able to tie into the local telephone company! I live and work in the heart of "Silicon Valley". For two days after the earthquake I was unable to call my home because PacBell shutdown exchanges. My only contact with my home was via amateur radio (my wife is a ham and my 2 daughters had their last Novice class the day before the earthquake!)...

An observation I have made recently. Even with 800+ cellular channels that are available, I am getting more and more busy signals when I try and use my cellular phone. This is during commute times, but is probably symptomatic of what would happen in a disaster. Every agency from the State "Office of Emergency Services" to "Bill's Towing" is going to try and use their cellular. I just don't know of a way to say "Break - Emergency Traffic" to someone using a cellular channel I need to pass traffic on - DO YOU?

I also offer the following facts based on my discussions with Santa Clara County OES, GTE Mobilnet, and Pacific Bell::

Fact: Cellular telephones don't work SIMPLEX!

If the cell site goes down, or the local carrier goes down - your sunk! In the Santa Clara Valley we run monthly SIMPLEX radio checks from the Emergency Communication Center for each city (all 11 of them) to the County Communications facility. We ARE an active part of each of these cities emergency action plans!

Fact: You must have the telephone number of the person you are calling!

This requires a LOT of preplanning on the part of all the cooperating local emergency organizations. Don't count on directory assistance being available as they might be located in another city (directory assistance for San Jose is located in Salinas - 60 miles away).

Fact: Not all area's provide cellular coverage!

Steve (KA6S) commented last week about trying to use a cellular telephone during the "Long Gulch" fire. This fire was only 30 miles from the heart of Silicon Valley, but had a 4000' mountain between us and the valley. My cellular stopped working as soon as I started down the back side of the Mt. Hamilton!

Now don't think I am completely against cellular, because I'm not! I bought my cellular to supplement my amateur emergency communications capabilities. If I see an accident on the way to/from work, I try my cellular first. If it doesn't work (BUSY!), I switch to any one of a dozen repeaters I use and autopatch! I have even relayed accident reports from amateur radio to 911 via my cellular telephone when it was appropriate to do so.

The whole idea here is that each system has its advantages and disadvantages. The debate here is not which service is better, but how they can work together in a given situation. We started off the Loma Prieta earthquake with amateur radio, and passed it over to cellular 96 hours later. As for me, when the next earthquake or fire comes (and it will) I'll be ready with spare batteries for both my cellular and my HT. My hobby is communications, and that means using whatever equipment is available to get the job done. Egos don't save lives and property, skills do!

Ok... I have my NOMEX suit on... FIRE AWAY!!!

Tony Bamberger, N6TYG

```
+--------------------+-----------------------------------------------+
| Tony Bamberger     | UUCP:     {ames,sun,apple,leadsv}!excelan!tonyb |
| VMS Internals Group | Internet: tonyb@novell.com                    |
| Novell Inc.        | Packet:   N6TYG @ N6LDL                       |
| 2180 Fortune Drive  | TCP/IP:   [44.4.2.24] tony@n6tyg.ampr.org      |
| San Jose, CA. 95131 | Voice:    (408) 473-8469                      |
+--------------------+-----------------------------------------------+
```

From -8620755219997535563
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6689244f30762af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 17:55:28 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!VAX1.CC.UAKRON.EDU!math-cs.kent.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: Communicator Class
Message-ID: <1990Jul28.005528.4693@NCoast.ORG>
Date: 28 Jul 90 00:55:28 GMT
References: <9007260548.AA16565@tecnet1.jcte.jcs.mil>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio

Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 78
Posted: Sat Jul 28 01:55:28 1990

As quoted from <9007260548.AA16565@tecnet1.jcte.jcs.mil> by mgb@TECNET1.JCTE.JCS.MIL:

+---------------
| >> I don't know about the rest of you but I would prefer not messing up
| >> my back yard! I know all the flames that this comment will generate
|
| >   I **DO** want them in MY backyard !!
|
| Ok Phil.. let's for a moment suppose that the Novice License is saved. Where
| THEN is the central meeting ground for ALL of HAM RADIO? Hint... Novices
| already have 220 privileges. We need to populate 220.... and it has
| propagation that (IMHO) rivals or exceeds that on 2 meters. Yes.. I like
| the 220 band and admit I am opinionated about it.
+---------------

YESYESYESYESYESYESYES!!!!!!!!

I'm on 220 --- one of those Novices you spoke of --- and I've noticed that 220 seems to be open around here more often than 2m is. over the past few days, the 2m types have been talking about getting in to Pennsylvania (I'm in Ohio) or Ontario with mobile 2m rigs... 220 was so wide open that I got in to a repeater on the far side of the state with 1 watt. (If only there were more 220 repeaters, so I could have had a chance to go even farther!)

+---------------
| Let's say that the current proposal goes through and Communicators get
| "stuck" on 220. Are you going to push to get a repeater going on that
| band? We did here for Novices, and we also put links on it to 2 meters
+---------------

LCARA did here, and I benefitted. And I'm willing to work to keep it going.

I really don't know where to go with this discussion. There are reasons I can see for both sides; on the one hand, putting Communicators on 220 only leaves 'em without much in the way of support, but permitting them on 2m doesn't help get anyone onto the other bands. In case you haven't noticed, the bottom end of 220 is gone --- how long before the FCC eats the rest of it, because all the Communicators are on 2m OR BECAUSE NOBODY WANTED TO BECOME A COMMUNICATOR ON A BAND THAT HAS NOTHING ON IT? Force Communicators on 220 with its current lack of infrastructure and the few folks who *do* become communicaotrs will upgrade to Technician and move to 2m out of loneliness. Boy, will we have achieved a lot, huh?

I think it would be best to do two things ---

(1) Allow Communicators on all VHF/UHF bands; but BEFORE YOU DO:
(2) GET SOMETHING GOING ON THE OTHER VHF/UHF BANDS!!!!!!!!

220 is virtually dead around here. 440 has a little traffic; not much. And

1240 is COMPLETELY dead. I had the chance to pick up a 1240 HT at Dayton, but picked up a repeater guide first --- and switched my plans from 1200 to 220 because there is no 1200 activity listed for this half of the state. And discussions with local hams have confirmed it: there's a little activity at 10GHz, but the 1270-1295 Novice band is completely empty. Had I picked up the 1200 HT, I'd probably have become disgusted enough to drop ham radio entirely. This is what we risk for Communicators if we don't get something going on the bands above 2m.

And, more importantly: the same considerations keep most current hams from moving off 2m. Let's face it --- very few hams are willing to jump on to an empty band in an effort to lure others up there. If some clubs are willing to sponsor 220, 440, 900, and/or 1200MHz repeaters, they should do so; get the ball rolling and hams will follow it.

It's only my penchant for pushing lost causes that has kept me on 220. I am considering what I can do to entice Novices onto 220 locally; I hopefully won't be stuck with *only* 220 for long, but probably won't give it up entirely. (Yesterday's DX gave my interest in 220 a major boost....) And if I can get some activity going on 220, I can hope that it engenders more activity, and so on. And then someone can see what I did and start a local repeater on the 902-928MHz band, or the 1270-1295MHz Novice band....

Go for it.

++KB8JRR
--
Me: Brandon S. Allbery VHF: KB8JRR on 224.50 (Lake County, OH)
Internet: allbery@NCoast.ORG Delphi: ALLBERY
uunet!usenet.ins.cwru.edu!ncoast!allbery America OnLine: KB8JRR

From -6347862012842205816
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6689244f30762af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 18:09:34 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!tut.cis.ohio-state.edu!VAX1.CC.UAKRON.EDU!math-cs.kent.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery KB8JRR)
Newsgroups: rec.ham-radio
Subject: Re: Communicator Class
Message-ID: <1990Jul28.010934.5300@NCoast.ORG>
Date: 28 Jul 90 01:09:34 GMT
References: <30500620@ux1.cso.uiuc.edu>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery KB8JRR)
Followup-To: rec.ham-radio
Organization: North Coast Public Access *NIX, Cleveland, OH
Lines: 24
Posted: Sat Jul 28 02:09:34 1990

As quoted from <30500620@ux1.cso.uiuc.edu> by phil@ux1.cso.uiuc.edu:

+---------------
| But really I agree with you that 220 Mhz is a better band. But how do you
| get most of the present hams onto 220? Where do I find a TRI-band HT?
+---------------

Who needs a tri-band HT? I'd be satisfied with a 2m/220, which of course
doesn't exist. (Okay, there's *one*... which I understand is as expensive as
just buying separate 2m and 220 HTs.)

+---------------
| Of course we could make 440 the "watering hole", but without novices.
> (and in response to "so where should Novices go?")
| 10 meters.
+---------------

So why don't you just tell the FCC you're in favor of killing the Novice
license and be done with it?

++Brandon
--
Me: Brandon S. Allbery   VHF: KB8JRR on 224.50 (Lake County, OH)
Internet: allbery@NCoast.ORG   Delphi: ALLBERY
uunet!usenet.ins.cwru.edu!ncoast!allbery America OnLine: KB8JRR

From -4569613738968707958
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3345d282f9270f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 18:26:58 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Spread Spectrum Repeaters - Technic
Message-ID: <1990Jul28.012658.1398@bellcore-2.bellcore.com>
Date: 28 Jul 90 01:26:58 GMT
References: <2770@anasaz.UUCP> <30500625@ux1.cso.uiuc.edu>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 20
Posted: Sat Jul 28 02:26:58 1990

In article <30500625@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
> If the the RATE of the stepping of the shift register is 1 Mhz, for instance,
> then we will see peaks and valleys at that interval. There will, of course,
> be a noise-like signal and so the peaks won't be much. I think maybe the
> problem here is that the rate needs to be high enough to properly spread over
> the desired bandpass. 1 Mhz, while getting you out beyond 1 Mhz, isn't right
> since the information beyond 1 Mhz is redundant. Or maybe for some reason
> you want the redundancy.

No, you want to filter off everything beyond the first null. It's redundant.

A direct sequence transmitter is nothing more than a BPSK modulator, except that the modulating stream is a high speed pseudorandom sequence. All of the principles of BPSK apply, including the need to filter the signal in order to get rid of the unnecessary sidelobes. What's left in the main lobe will look like wideband noise, except that the spectral density will fall off toward the edges.

Phil

```
From 8640162066559034808
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd5779a0d5ae6ab
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 18:56:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!mailrus!ncar!umigw!mthvax!wb8foz
From: wb8foz@mthvax.cs.miami.edu (David Lesher)
Newsgroups: rec.ham-radio
Subject: Re: Soldering to Aluminum, how to do it.
Keywords: soldering trick
Message-ID: <1990Jul28.015619.1321@mthvax.cs.miami.edu>
Date: 28 Jul 90 01:56:19 GMT
References: <104327@philabs.Philips.Com> <192@bongo.UUCP>
<1990Jul27.062358.26338@bellcore-2.bellcore.com>
Reply-To: wb8foz@mthvax.cs.miami.edu (David Lesher)
Organization: NRK Clinic for habitual NetNews abusers
Lines: 20
Posted: Sat Jul 28 02:56:19 1990
```

>Several materials are better thermal conductors than aluminum, including
>(in decreasing order) silver, copper, gold and beryllium oxide. In fact,
>the best thermal conductor listed in my reference text, better even than
>silver, is a non metal, an electrical insulator, optically transparent
>and mechanically quite rugged. Unfortunately cost is a problem. It's
>diamond.

An old boss, Bruce Banks of NASA Lewis, did lots of experimenting with making "diamond-like" films in hopes of solving that problem. While I gather (since I don't see his name in People ;-]) he never struck a gusher, it was an interesting approach.

```
--
A host is a host from coast to coast.....wb8foz@mthvax.cs.miami.edu
& no one will talk to a host that's close...........(305) 255-RTFM
Unless the host (that isn't close).......................pob 570-335
is busy, hung or dead....................................33257-0335
```

```
From 8853921131852149525
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,91e1c72bc19dfcdb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 19:32:03 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ames!sparkyfs!
milkfs.itstd.sri.com!gd
From: gd@milkfs.itstd.sri.com (Greg DesBrisay)
Newsgroups: rec.ham-radio
Subject: Re: American woodpecker
Message-ID: <32488@sparkyfs.istc.sri.com>
Date: 28 Jul 90 02:32:03 GMT
References: <104543@philabs.Philips.Com>
Sender: news@sparkyfs.istc.sri.com
Reply-To: gd@milkfs.itstd.sri.com.UUCP (Greg DesBrisay)
Organization: SRI International, Menlo Park CA
Lines: 24
Posted: Sat Jul 28 03:32:03 1990
```

While most of the information in the posting by WA6PEZ is correct, Tom is way off base on one major point. The American OTH Radars ARE NOT woodpeckers. Unlike the Russian OTH Radars, the American OTH Radars use a chirped (frequency-swept) signal that does not sound anything like the woodpecker-like signal of the Russian radar. Furthermore, the US Air Force claims that it chooses the frequency bands in which it operates to minimize interference to other services, and I understand that they completely avoid the amateur and broadcast bands.

As hams, it would certainly be worthwhile to keep our ears open for interference that would indicate a change in operating practice, but the site in Maine has been operating for about five years now and, according to newsletters published by the Air Force, the Air Force has yet to receive any interference complaints.

So, let's not assume that all OTH radars are "woodpeckers"; there are many ways to do OTH radar, and the US Air Force appears to have learned by observing the older Russian radar that the woodpecker method is not desirable.

Greg
AA6BO

```
From -8395789779910397287
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,938fef095ea86d9d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,938fef095ea86d9d,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-07-27 19:48:01 PST
```

Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!watserv1!watmath!att!tsdiag!nn2z!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: * SpaceNews 30-Jul-90 *
Keywords: Hiten, BADR-1, DOVE-1, Magellan
Message-ID: <329@ka2qhd.UUCP>
Date: 28 Jul 90 02:48:01 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 107
Xref: gmdzi rec.ham-radio:13400 sci.space:14768
Posted: Sat Jul 28 03:48:01 1990

SB SPACE @ ALLBBS $SPC0730
* SpaceNews 30-Jul-90 *

Bulletin ID: $SPC0730

=========
SpaceNews
=========

MONDAY JULY 30, 1990

SpaceNews originates at KD2BD in Wall Township, New Jersey, United States. It is published every week and is made available for unlimited distribution.

* NEW OSCAR! *
==============
Pakistan's first Amateur Radio satellite became reality when SUPARCO, the Space and Upper Atmosphere Research Commission of Pakistan, announced that BADR-1 was successfully placed into Earth orbit on 16-Jul-90. A Chinese booster was used to place the payload into a 28 degree inclination, elliptical orbit.

BADR-1 is presently transmitting on 145.825 MHz FM and has been copied on several occasions here at KD2BD. A steady 2400 Hz audio tone was received under heavy signal fading, probably due to the high roll rate of the young spacecraft. Capabilities of the satellite are not yet known.

Here is a Keplerian element set for use in tracking BADR-1:

Name   : BADR-1
Object # : 20685
Epoch   : 90 198.08455059
El Set # : 7
Incli   : 28.4931
RAAN   : 297.7287
Eccn   : 5.62305E-02
ArgPer   : 138.0890

MeanAn : 226.3844
MeanMo : 14.90429605
Drag : 1.9729E-03
Rev : 16

The orbit if BADR-1 yields an apogee distance of 982 km (530 nm) and a perigee distance of only 198 km (107 nm). At perigee, the spacecraft travels at 28,805 km/hour (17,899 mi/hr). This very low perigee will greatly affect the decay of the spacecraft, and it is not expected to last very long in an orbit such as this.

* HITEN NEWS *

According to Professor Uesugi, ISAS, Japan, the Hiten spacecraft made its second lunar swingby on 10-Jul-90 at 18:58:34 JST (=UTC + 9hrs) at a selenocentric distance of 76,083 km. The third swingby is expected on 04-Aug-90.

[Information via Yoshiro Yamada at the Yokohama Science Center, Japan]

* MAGELLAN NEWS *

One of Magellan's erratic gyroscopes experienced an electrical failure when it was turned "on" on 20-Jul-90. Gyros are used on Magellan to maintain attitude control. Two gyros are needed to maintain control in all three axes of the spacecraft. A remaining spare will be used as a backup.

Magellan will reach the planet Venus on 10-Aug-90 after its 15.5 month voyage to the planet after being deployed from Earth orbit by the Space Shuttle Atlantis on STS-30 on 04-May-90. Magellan's primary mission is to map 70 to 90% of Venus' surface with ten times better resolution than any achieved before.

* DOVE NEWS *

DOVE was turned back on recently. Many people reported copying its VHF beacon, but I have not been able to copy anything from the satellite in the past few days. The reason for the lack of VHF telemetry is unknown.

* FEEDBACK WELCOMED *

Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

UUCP : ...!uunet!masscomp!ocpt!ka2qhd!kd2bd
AMPR : KD2BD @ NN2Z.NJ.USA.NA

MAIL : John A. Magliacane
Department of Electronics Technology

Advanced Technology Center
Brookdale Community College
765 Newman Springs Road
Lincroft, New Jersey 07738
U.S.A.

(If you like what you see, send us your QSL card!)

/EX

```
--
John A. Magliacane                 FAX  : (201) 747-7107
Electronics Technology Department  AMPR : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College        UUCP : ..!uunet!masscomp!ocpt!ka2qhd!kd2bd
Lincroft, NJ  07738  USA           VOICE: (201) 842-1900 ext 426
```

```
From 6015455528859949870
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11f73b5dc073ff94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 19:51:00 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Costs...
Message-ID: <30500627@ux1.cso.uiuc.edu>
Date: 28 Jul 90 02:51:00 GMT
Lines: 22
Nf-ID: #R:<5B1B9A3C235F0000B5@PSUARCH.Bitn:-35:ux1.cso.uiuc.edu:30500627:000:1080
Nf-From: ux1.cso.uiuc.edu!phil    Jul 27 21:51:00 1990
Posted: Sat Jul 28 03:51:00 1990
```

```
> Frankly, cellphones WILL become VERY expensive if we don't train people to
> design, build, and repair them.  That's at least one of the justifications fo
                     ^^^^^^
> amateur spectrum.
```

Now days, most equipment, if it is cheap enough, is just NOT repaired.
The cost ratio of actually getting INTO the equipment compared to the
cost of making it, is so high it is not worth it. Of course minor
things like a loose antenna connector MIGHT be fixable if you or the
repairman can get inside without destroying the unit.

BTW, I notice some SIGNIFICANT pricing cutting for cellphones these days
that require you to sign up for new service. I am suspecting that the
cell service providers are pushing for more customer base (even in Chicago
where I see these ads from).

One thing to be aware of about these cell phones, be sure you insure them
for full cost. You might not get the same deal to replace one.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -2447914082345031813
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1cde0d2667774611
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 21:57:00 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: battery questions
Message-ID: <30500628@ux1.cso.uiuc.edu>
Date: 28 Jul 90 04:57:00 GMT
References: <22480009@hpcuha.HP.COM>
Lines: 12
Nf-ID: #R:hpcuha.HP.COM:22480009:ux1.cso.uiuc.edu:30500628:000:656
Nf-From: ux1.cso.uiuc.edu!phil   Jul 27 23:57:00 1990
Posted: Sat Jul 28 05:57:00 1990

> Another NiCad tidbit. Apparently one common failure mode is for metal
> needles to grow through the electrolyte, shorting the electrodes. If
> you have a "dead pack", that won't hold any charge, and you're going to
> trash it anyway, try a last ditch maneuver. Run about 30A through it
> very briefly (about a second?), taking care lest the seals open on the
> cells and spout hydrogen, oxygen, boiling electrolyte, etc. :-)

In which direction? The CHARGE direction or the DISCHARGE direction?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 8360089245403411356
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b44dd78fac4b23a7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-27 23:52:13 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!
mailrus!cs.utexas.edu!sdd.hp.com!decwrl!shelby!neon!kaufman
From: kaufman@Neon.Stanford.EDU (Marc T. Kaufman)
Newsgroups: rec.ham-radio
Subject: Re: August QST
Keywords: technical batteries
Message-ID: <1990Jul28.065213.12029@Neon.Stanford.EDU>
Date: 28 Jul 90 06:52:13 GMT
References: <1990Jul25.060520.25385@tandem.com> <17168@frog.UUCP>
Organization: Computer Science Department, Stanford University
Lines: 27
Posted: Sat Jul 28 07:52:13 1990

In article <17168@frog.UUCP> john@frog.UUCP (John Woods) writes:
>In article <1990Jul25.060520.25385@tandem.com>, kevinr@moe.Tandem.COM (Kevin J. Rowett) writes:
-> I can't believe we've not seen at least one messgae noting the
-> lead article in the August QST :-) Are you all out there
-> building one?

.Well, in fact, when I saw the article, my first reaction was "Oh, great,
.yet another computer weenie using massive overkill to solve a fairly simple
.problem."

.The article states "This project is just one more example of how
.microcomputers are changing the shape of Amateur Radio," and at $125 for
.a battery charger, I should certainly say so.

Right. If you want to charge batteries, rather than play with computers, get
copy of Motorola Engineering Bulletin EB126 "Ultra-Rapid Nickel-Cadmium
Battery Charger". I quote from the intro: "We are going to present an ultra-fast nickel-cadmium battery charger capable of completely charging 8 to 12
batteries at 1.2 to 1.8 Ah in 30 to 45 minutes. This is currently possible
due to new sintered electrode technology used by battery manufacturers which
provide rapid charging plots."

The highest tech part is a UC3843 Switchmode converter to boost the starting
voltage so you can run from a 12 volt source. PCB layout and parts list
is provided in the Bulletin. Estimated cost $50.

Marc Kaufman, WB6ECE (kaufman@Neon.stanford.edu)

From -3528010414152383282
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11f73b5dc073ff94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-28 06:31:16 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: Costs...
Message-ID: <10470@crdgw1.crd.ge.com>
Date: 28 Jul 90 13:31:16 GMT
References: <5B1B9A3C235F0000B5@PSUARCH.Bitnet>
<1990Jul27.220344.7742@portia.Stanford.EDU>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@trub.crd.ge.com (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 24
Posted: Sat Jul 28 14:31:16 1990
In-reply-to: paulf@jessica.stanford.edu (Paul Flaherty)

In article <1990Jul27.220344.7742@portia.Stanford.EDU>, paulf@jessica (Paul Flaherty) writes:

>In article <5B1B9A3C235F0000B5@PSUARCH.Bitnet> PLB@PSUARCH.BITNET ("P Bandini, PSU Arch Dept, 814/863-0062") writes:
>>I can't help it but to think that my bill could be lower, or the service
>>better, or both, if frequencies now allocated to your hobby/service were to
>>be given to the cellular industry.
>>-P. Bandini

>Frankly, cellphones WILL become VERY expensive if we don't train people to
>design, build, and repair them. That's at least one of the justifications for
>amateur spectrum.

I CAN say that the group here that is designing a digital cellular system
is heavily loaded with hams that started as kids and ended up going into
electrical, microwave, comm, etc engineering.

-don perley ke2tp

>
>-=Paul Flaherty, N9FZX/VK2WYX | "TEXAS! Has a USENET in it... (Lord have Mercy
>->paulf@shasta.Stanford.EDU | on us all!)" -- _The Best Little Net in Texas_
perley@trub.crd.ge.com

From 5655357047254010381
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11f73b5dc073ff94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-28 08:29:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!PSUARCH.BITNET!PLB
From: PLB@PSUARCH.BITNET ("P Bandini, PSU Arch Dept, 814/863-0062")
Newsgroups: rec.ham-radio
Subject: Re: RE: Costs...
Message-ID: <5A7AB6A06D9F000124@PSUARCH.Bitnet>
Date: 28 Jul 90 15:29:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 27
Posted: Sat Jul 28 16:29:00 1990

Paul Flaherty on 27 Jul 90:

>Since you can't help thinking, you'd better explain yourself. Why would

Frankly, I don't have hard facts. That would require survey, data analysis,
etc, and all it would provide is confirmation of a basic truth that we
already know about: there is no free lunch. Anything that is in limited
supply does cost (land, water, spectrum...)
Lately we've been hearing a lot about how saturated landline phones AND cell
phones become in case of an emergency. A gut reaction is "if they had more
channels, the saturation threshold would be higher, right?"

Also, more channels = more customers = lower cost per customer, right?
(At least, that's what has happened for just about anything I can think of)
So, since we are not really arguing about this basic truth, the question could
be "Am I willing to pay for your 'service' through a higher cell phone bill?"
I might, but then we'd have to enter a less ambiguous contract: how do I access
your 'service'? where do I find you when I need you? can you guarantee the
accuracy of your 'service'? (sorry, but "your cousin in SF is ok" just won't
do... when I *hear* her voice I will *know* she's ok...)
I would like to extend my sympathies to all volunteers of all kind, whether it
be driving an ambulance, or preparing hot food in a shelter. I hope these
comments will not be interpreted as an attempt to minimize their (in)valuable
contributions. However, I'm wondering if in the case of emergency
communications, ham radio is the *best* we can have... comments anyone?

-P. Bandini

==

From -8502002259746551032
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3345d282f9270f9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-28 09:13:27 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!swrinde!emory!
wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Spread Spectrum Repeaters - Technical
Message-ID: <1102@ke4zv.UUCP>
Date: 28 Jul 90 16:13:27 GMT
References: <2770@anasaz.UUCP> <1990Jul26.221020.24603@bellcore-2.bellcore.com>
<2779@anasaz.UUCP> <2780@anasaz.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 52
Posted: Sat Jul 28 17:13:27 1990

In article <2780@anasaz.UUCP> john@anasaz.UUCP (John Moore) writes:
>In article <1990Jul26.221020.24603@bellcore-2.bellcore.com>
karn@thumper.bellcore.com writes:
>]
>]>   (2) Spread spectrum systems will have to coexist (in many cases) with
>]>   other systems, either in amateur or other land mobile services.
>]>   How do you keep products from getting out of band.
>]
>]Just use filters. Wideband filters with sharp skirts do exist; TV broadcast
>]exciters are an existence proof. SAW filters in TV receivers are another
>]example.
>
>Thanks for the reply. One comment - obviously with suitable filters you
>can limit the bandwidth any way you want to (within limits of intersymbol
>interference). My real question is: how can you do this with readily
>affordable filters? On repeaters, we normally use pass cavities on the

>transmitter. Obviously if there is any significant bandwidth to the SS
>signal, we need filters with more complexity - ie wide pass band with
>low ripple, followed by steep skirts. This requires a lot more poles/zeroes,
>which would be more expensive. Keep in mind that on a shared site,
>transmit power might be 100W (+50dBm) and we may be protecting an
>adjacent band receiver to -120 dBm - that's 170 dB of protection.
>If we have that 100W spread across 4 mHz (say, on 2 meters), and we
>are looking at interference to a 15 kHz wide receiver, we pick up
>24 dB, so now we only have to knock down the out of band by 146 dB!
>That's still a lot of attenuation. Let's assume antenna separation
>gives us another 30 dB. We are now down to 116 dB of attenuation - stil
>an awful lot. That's why we use extremely high queue cavities on narrow
>band transmitters. This analysis ignores the natural fall-off of
>out-of-band sidebands due to the nature of the spreading modulation,
>but just outside of the information band, that shouldn't be very much.
>
>Consider base-band filtering. It's sure a lot cheaper to filter
>at low power at baseband than at RF at high power. Let's say we
>make a PERFECT baseband filter. We STILL need an ULTRA LINEAR
>modulator or the interference comes back. This is true of
>either fast frequency hop or direct sequence.
>

In our 100,000 watt TV transmitter, the sideband filter is a little
SAW filter you can hold in the palm of your hand. In our old 50,000
watt transmitter the filter was a huge water cooled monster on the
output of the transmitter. The SAW filter is installed just after
the modulator at the 100 miliwatt level. Assuming reasonable
linearity (<2%) in the following power amplifiers, this little guy
can do the job nicely. Assuming your PA doesn't act as a wideband
noise generator on it's own, you don't need huge cavities anymore.
Transmitter and filter design have changed dramatically in the last
ten years. Nobody does "high level" modulation anymore and achieving
linear power is much easier than it used to be. Amateur technology
has a long way to come from the old Micor to the modern world.

Gary

From -7156151163502266970
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a03cf8d99bd21aea
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a03cf8d99bd21aea
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-28 15:31:42 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!cbmvax!heimat!dan
From: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: PRO-34 Audio Mods?
Message-ID: <164@heimat.UUCP>
Date: 28 Jul 90 22:31:42 GMT
References: <3597@radio.oakhill.UUCP>

Reply-To: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Organization: Sneakers Computing, West Lawn, PA
Lines: 31
Xref: gmdzi rec.ham-radio:13379 rec.radio.shortwave:1710
Posted: Sat Jul 28 23:31:42 1990

In article <3597@radio.oakhill.UUCP> charlie@oakhill.UUCP (Charlie Thompson)
writes:

>
>The PRO-34 is not a bad radio now that it's on sale, however,
>the audio is a little wimpy. Does anyone out there have the
>service manual showing the audio amp circuits? I would like
>to beef up the output if I can. I'll publish the 'audio mod'
>if it works well and is reliable. Perhaps someone has already
>done this. Yes/No?
>

WOW! How funny you should ask this, I was just sitting here looking at
my service manual for the PRO-34 thinking the same thing....

Anyway the chip is IC-9 and its located on the LOGIC board (the one
you cut the diode on to get full 800Mhz). Its at the top of the board
close to the squelch knob. The manual says:

```
  IC9    Audio Amp.    BIPOLAR       LM386N-1
```

Let me know if you find a good replacement and how it works, id like
to at least double mine to 400mW if thats possible without killing the
battery to fast.

```
--
                               _____
     Dan 'Sneakers' Schein    /     \   Quote:
     Sneakers Computing     \/\/     |        Those who worked the hardest
     2455 McKinley Ave.      |  (o)(o)        are the last to surrender.
     West Lawn, PA 19609     C   .---_)            -= Gary Ward =-
                              | |.___|
                              |  \__/
     uunet!cbmvax!heimat!dan  /_____\  (or)  dan%heimat@commodore.com
```

From -6003740026645498551
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11f73b5dc073ff94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-28 17:13:20 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: Costs...
Message-ID: <10477@crdgw1.crd.ge.com>
Date: 29 Jul 90 00:13:20 GMT
References: <5A7AB6A06D9F000124@PSUARCH.Bitnet>
Sender: news@crdgw1.crd.ge.com

Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 28
Posted: Sun Jul 29 01:13:20 1990
In-reply-to: PLB@PSUARCH.BITNET ("P Bandini, PSU Arch Dept, 814/863-0062")

In article <5A7AB6A06D9F000124@PSUARCH.Bitnet>, PLB@PSUARCH ("P Bandini, PSU Arch Dept, 814/863-0062") writes:
 > A gut reaction is "if they had more
>channels, the saturation threshold would be higher, right?"
>Also, more channels = more customers = lower cost per customer, right?

If you get the same number of customers/channel, it will be just as crowded no matter how many channels, so where is your lower cost?

So, since we are not really arguing about this basic truth, the question could
>be "Am I willing to pay for your 'service' through a higher cell phone bill?"

But who are you paying, and should we care? Your local carrier doesn't pay anything to the government (ie the common good) for that spectrum.   Am I willing to pay for your cellular service through the loss of spectrum?

  How about if the government leases 1 mhz of microwave space for cellular for a few billion and splits the proceeds among the 300,000 or so hams? Believe me, they have pulled wackier deals than that, especially in agriculture.

> (sorry, but "your cousin in SF is ok" just won't
>do... when I *hear* her voice I will *know* she's ok...)

Whats the matter, would she lie to me?

don perley
perley@trub.crd.ge.com

From 1421452968417180795
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6689244f30762af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-28 19:22:44 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!TECNET1.JCTE.JCS.MIL!mgb
From: mgb@TECNET1.JCTE.JCS.MIL
Newsgroups: rec.ham-radio
Subject: Communicator Class
Message-ID: <9007290222.AA01282@tecnet1.jcte.jcs.mil>
Date: 29 Jul 90 02:22:44 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 112
Posted: Sun Jul 29 03:22:44 1990

>>So you are saying that the hams already on 220 Mhz, AVOID the Novices?
>>This is exactly what I have been talking about Gary when I predicted that
>>hams on 2 would AVOID the new Communicators. As far as the Novice selling
>>his 220 rig after he upgrades... Yes, I said EXACTLY the same thing in
>>another posting when I mentioned that a lot of Techs upgraded and bought
>>a 2 meter rig, and then stayed there forever. (That is not a dig on
>>"techs", it is just an observation of what I have seen in a lot of cases.
>>There **ARE** exceptions!)

usc!samsung!rex!wuarchive!emory!wa4mei!ke4zv!gary@ucsd.edu
Gary Coffman KE4ZV replies:

>Whoa there! You have misunderstood me. In our area there are darn few
>hams on 220 who are not Novices. It has never been a popular band here
>due to a Ch 11 tv station in town that is a simple image away from the
>band. I know commercial equipment isn't bothered by this, but have you
>seen a used Motorola or GE unit for this band at a hamfest? With the
>current vogue for "wideband receive" in current amateur equipment this
>is a disaster.

True. Commercial equipment that is easy to modify to 220 is not easy to
come by. Spectrum makes a pretty good repeater for the band though.

>>Now wait a minute. Stop, cease and desist. Let's talk about "the old
>>days when Novices had voice on 2 meters". I was one of them Gary, I was
>>there.. I HAD that "privilege" (along with a simultaneous tech license.
>>Yes.. I was WA3JPY *AND* WN3JPY at the same time). What I remember about
>>2 meters was a Benton Harbor Lunch Box (AM) crystal control.. no repeaters
>>AT ALL, and about a typical 2-5 miles range (depending on how big of a
>>mountain you lived on). So you say the Novices were able to go where the
>>REAL hams were and join right in? What REAL hams? 2 meters then was like
>>almost 10 Ghz is today, hence my desire to have Communicators on 220 and
>>ABOVE. In addition the only thing you "joined right into" was a bunch of
>>static. Help? Encouragement? Only after the neighbors ripped my lips off
>>for tearing their TV reception to hell and gone! :-) Maybe if you lived
>>in the middle of a major city what you say might have been true... but not
>>anywhere else my friend.. and I was only 20 miles out of Philadelphia in
>>a place called Valley Forge. George Washington had better luck on 2 meters!

>Well in rural Kentucky where I grew up, we had one of the first .34-.94
>FM repeaters(1964). We used Motorola 5Vs and 40Ds for mobiles. My very first
>ham radio project was converting a Motorola 5V from 6 volts to 12 volts
>and downbanding it into two meters. Our repeater was on a 1000' TV tower
>and had phenominal coverage. EVERY ham in our radio club bought one of
>the Motos in a group buy. The repeater was busier than anything I've
>heard around here in years.

Gary... do you remember what the EXACT Novice frequency allocation was on
2 meters for that period? It wasn't the whole 2 meter band. I am reaching
back ... way back ... but I don't think that Novice privileges included
146.34//146.94 I might add that not too many areas had ham repeaters in

1964 ... rural or urban. What I am really saying here is that the Novice voice allocation and the state of the band in 1968 did not lend itself to a general meeting ground and training area for new hams. Your original posting would lead one to believe that. I was only trying to point out that it is not fair to compare "those" days to "these" days to make a point for your discussion. You've got me curious, I am going to go look around for the exact Novice frequency band of 1968.

>>What you say was true when the Novice License expired after one year.
>>Now it's good "forever". Novices ARE real hams. I like Novices more
>>than just about any other class. They are USUALLY the most eager to
>>learn and do not make any pretensions about knowing everything there is
>>to know about ham radio.

>Most are so eager that they upgrade in a few months and are gone forever
>from the novice band. The others are the wives of hams who were pressured
>into getting their licenses so they can talk to hubby. They are rarely
>willing to talk to anyone else.

You left out the third class. Those that are perfectly satisfied with the Novice and see no need to learn any more code or theory in order to upgrade. After all... some Technicians do that and see nothing wrong with it (and I agree with them), so Novices naturally have the same privilege. Many Novices that upgrade immediately head back to the Novice bands to work their old friends and to help others learn the code. I did, and I encourage those that I test and teach to likewise do the same.

>>If the test for Communicator Class requires one to study theory real hard
>>and has an exam that looks for knowledge, instead of an ability to memorize
>>answers then I say CW should be dropped like a hot rock.

>I have always contended that it is easier to understand something than to
>memorize it. At least this is true for me.

First I am not all that sure that what you are saying is true. It may be easier to learn than to memorize a WHOLE SUBJECT from top to bottom, but if the object is to just pass a test ... well there are a lot of people that apparently are not like you in this regard. They memorize. You also have to consider that a lot of people don't WANT to learn the subject, they just want the license. It takes longer to LEARN basic electricity than it takes to memorize ohms law for a test.

>And I don't understand the need to test for a mode that is not commonly
>used on the frequencies granted by the license.

If the licensed person is granted the privilege to operate this mode, then it holds true that some basic understanding of the mode should be tested for. The fact that it is not commonly used RIGHT NOW should not detract from that. The only way to do it otherwise is to test someone only on what they are interested in. Then what? Do they get access to "those other modes" by default, or are they withheld?

I will admit that testing someone on the rules and regs for what is required to operate (a ham station) FROM a space platform is a little much (!!) but that should not be proof of point for the whole concept.

Mark Bitterlich
mgb@tecnet1.jcte.jcs.mil

From -1016585932921023182
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c35d872330f419e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,4c35d872330f419e,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-07-24 23:34:25 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!ncar!midway!gary
From: gary@ellis.uchicago.edu (gary buchholz)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: New Ham needs help on 2m/TNC equipment buy recommendations / TM-731A
Message-ID: <1990Jul24.215835.21179@midway.uchicago.edu>
Date: 24 Jul 90 21:58:35 GMT
Sender: gary@midway.uchicago.edu (gary buchholz)
Organization: University of Chicago Computing Organizations
Lines: 33
Xref: gmdzi rec.ham-radio:13187 rec.ham-radio.packet:2579
Posted: Tue Jul 24 22:58:35 1990

Thought I'd drop off a note to the experts on the net before breaking my piggy bank to buy a radio. I'm new to this whole thing so...

I just passed by Novice,Tech written and 5 WPM code test. I'll be working on General, Advanced and 13WPM code test for a test next month (Why stop at tech ... ?)

In any case, I want to get a 2m/440 or 2m/220 radio. The first problem is 220 vs 440 ? It seems that you can't have everything. Any advice on that ?

With my "zip" experience in owning any 2m equipment I've done a little research and have come up with, what I think is a good radio...

Its a Kenwood TM-731A 2m/440 dual band, 30 memory channels, extended freq coverage, programmable scanning, 50 Watts on 2m, 35 Watts on 440, CTCSS, etc etc. The price on this is (whew) $649.

==> Does anyone have experience with this radio... Or can someone suggest a
==> better rig than this ???

I'm very much intersted in using this for packet. I will shortly be going through similar buying trauma for a TNC.

==> Any TNC recommendations ? And software that can be used with a Mac ?

I'd like to get good eqipment, with basically everything from the start ..
.. rather than picking up odds and ends along the way. The latter being,
I think, more expensive than the former.

Any and all suggestions welcome.

Thanks much
  Gary Buchholz

From 4036472104611906971
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e7f50bd9139e6f17
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 23:42:46 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: ANS: Communicator Class
Message-ID: <1081@ke4zv.UUCP>
Date: 24 Jul 90 18:34:29 GMT
References: <9007240236.AA13188@tecnet1.jcte.jcs.mil>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 70
Posted: Tue Jul 24 19:34:29 1990

In article <9007240236.AA13188@tecnet1.jcte.jcs.mil> mgb@TECNET1.JCTE.JCS.MIL writes:
>swrinde!emory!wa4mei!ke4zv!gary (Gary Coffman) replies:
>
>>Not exactly, in most parts of the country there is currently
>>very little activity above two meters. By dumping the newcomers into the
>>wasteland they will either fail or more likely form their own CB-like
>>clubs to support their new repeaters.
>
>I agree that in many parts of the country there are very few repeaters
>above two meters, and I don't have a snappy answer for that problem. You
>make a good point in that regard.. but let me says this. *IF* the new
>hams did have the guts and glory to put up a new machine I very much
>doubt that it would turn into a "CB like club".   If they put it up, the
>local (old timer) hams would flock to it like bees to honey, and the
>Communicators that put it up would gain instant recognition and a fair
>degree of respect.

Well that sure hasn't happened with the Novice repeaters put up by the
old line clubs. Listen for a while and all you hear are new Novices
stumbling along while telling each other how desperately they want to
upgrade as quickly as possible. The old timers (who funded the thing)
flock to it like bees to vinegar. And five minutes after the Novice
upgrades his 220 HT is forsale. In the old days when Novices had
two meter voice privledges (and a one year nonrenewable timelimit),

the Novice was able to go where the real hams were and join right in.
He got plenty of help and encouragement.

>On the matter of socialization... I think you make a good point, but my
>only question is.... why hasn't anyone thought of doing the same thing for
>the Novices? Don't they need the same type of guidance, and in fact more
>so.. since they have always REALLY been the entry level hams?   This point
>is so obvious, I can't help but imagine that someone else has thought of it
>before... yet it was never mentioned before this Communicator thing came up,
>and that makes me rather... well.... it makes me wonder.

Well prior to 1968 Novices DID have voice privledges on TWO METERS.
The real point here though is that the Novice Class has always been
considered a brief stepping stone on the way to becoming a REAL ham.
The Communicator Class is viewed as a permanent alternative to the
traditional license classes. Thus while the Novice will become
socialized after he becomes a REAL ham, the Communicator never will
unless he can freely intermix with the traditional ham.

>>> Discussion of what we all really want for the Communicator Class deleted.
>
>>I also want to see a lot of young hams come back into the hobby. As
>>Phil Karn said, ham radio has been the start of a lifelong interest
>>in electronics and high technology in general for many people. I count
>>myself as one of those. I want a new generation of twelve year olds to
>>experience the magic like I did.
>
>Will the Communicator or Novice Class be more likely to do this? I know
>that the Com. Class will have no code.. but it will also have a pretty hard
>test (or at least it is supposed to). I still see the Novice as the basic
>entry level class... that is unless they do away with it.

No real argument here. I think the Novice license should be continued as
a way for those who want to follow the traditional path into the hobby.
However there are many people who would willingly study theory very hard
in order to get a license because they understand that knowledge of
theory is important to what they want to do with radio. Some of those people
do strongly resist learning Morse Code, not because it is necessarily
hard, but because they don't perceive it to be relevant to what they
hope to do with radio. A revolution began in the 60s that has quietly
taken firm root in the American psyche. That revolution said, in part,
"Why should I be forced to take Latin to get a EE degree?" Ham radio
still requires Latin for it's members and that has seriously hurt our
recruitment.

Gary KE4ZV

From -5550389033277757782
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1cde0d2667774611
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 23:43:01 PST

Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: battery questions
Message-ID: <1082@ke4zv.UUCP>
Date: 24 Jul 90 18:49:21 GMT
References: <22480009@hpcuha.HP.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 34
Posted: Tue Jul 24 19:49:21 1990

In article <22480009@hpcuha.HP.COM> nicholso@hpcuha.HP.COM (Ron Nicholson) writes:

>Hi,
>
>More questions...
>
>I've got an Icom 24AT. It comes with a NiCad battery pack. How do I
>tell when I need to charge the batteries? How long do I need to charge
>the batteries for? (The manual says 15 hours regardless of battery pack
>size.) How do I know how much battery life I have left when in the
>field?   Does the unit just die when the batteries run out or what?
>How long can I store a charged up spare battery pack?
>

You should run your battery down before recharging. When the radio quits, it's time to charge the battery. Keep a spare pack with you in the field and rotate your packs every time. Nothing is more destructive to a NiCad battery than continually doing partial recharge cycles. Recharge rates are a function of the charger and the battery. All NiCads can be safely charged at the .1C rate. That is, if the battery has a capacity of 500ma/hr then you can safely charge it at 50ma/hr for ten hours. Actually, since battery charging is never 100% efficient, you need to charge it for more than ten hours to get it back to full charge. Rapid charge packs have a thermistor embedded in the pack and a sense circuit in the charger that allows you to charge at the 1C rate safely. That is, a 500ma/hr pack can be charged at 500ma/hr for one hour to bring it back to full charge. The thermistor senses the rapid temperature rise that a fully charged pack exhibits when continued charging is attempted. This protects you from destroying the pack by accidentally attempting to rapid charge a partially discharged pack. Depending on storage conditions, a charged pack will lose up to one tenth of it's charge every day so rotate your packs regularly.

Gary KE4ZV

From 5118872020559871451
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b068affc1b8c865
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-07-25 02:44:58 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!pt.cs.cmu.edu!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio's value (Was: Re: Communicator Class)
Message-ID: <38843@cci632.UUCP>
Date: 24 Jul 90 13:57:39 GMT
References: <25883@usc.edu> <7880189@hpfcdc.HP.COM> <55993@microsoft.UUCP> <326@pacer.UUCP>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 25
Posted: Tue Jul 24 14:57:39 1990

>Everybody who develops a "my radio-religion is holier than thine"
>attitude would do well to look at a few relevant passages from the
>international radio treaties, the Communications Act of 1934, and Part
>97.

This attitude works both ways ... I passed my extra a few months ago, I am 21 years old, and I worked [CENSORED] hard for it !!! And I am getting fed up with people trying to make me feel GUILTY about earning my extra (for WHATEVER reason).

Code doesn't really matter all that much on VHF/UHF unless it's something you WANT. (Satelite, EME, etc.) It *IS* important on HF. Furthermore, I value the protection of the extra 25KC on CW, where it's a little quieter. I see the extra HF voice space as something I have earned and will enjoy, and I invite everyone to come join me.

BUT the solution to **ALL** of this clamoring is **NOT** to lower the standards of the licensing structure -- this is the kind of live-for-today mentality that has brought many of this country's problems upon itself...and if you're one of these people with the mouths, maybe you should think about what you want out of ham radio within the constraints of the current system, and leave the changes to the less emotionally driven.

WZ2B

From -8228313398902306565
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 02:45:35 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!pt.cs.cmu.edu!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <38845@cci632.UUCP>

Date: 24 Jul 90 15:17:36 GMT
References: <900724-020327-19183@Xerox>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 12
Posted: Tue Jul 24 16:17:36 1990

In article <900724-020327-19183@Xerox> "hugh_davies.WGC1RX"@XEROX.COM writes:
>>Brian Kantor says;
>>
>>...There should be only two classes of ham license
>...
>>Both have questions on regulations,
>>procedures, and technical matters to ensure that the applicant is
>>competant to install, operate, and maintain a ham radio station...

>Hear, hear!! Just like the U.K.

Shouldn't we strive for a little more than "competence" ?

From -8195015499937898222
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,715d6eeafa9a84ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 03:20:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: 1 Watt License Free (was Re: Communicator License Frequencies)
Message-ID: <1990Jul24.202451.12487@bellcore-2.bellcore.com>
Date: 24 Jul 90 20:24:51 GMT
References: <9007190347.AA12165@cmr.ncsl.nist.gov>
<1990Jul22.052747.29459@bellcore-2.bellcore.com> <930@ssc.UUCP>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 37
Posted: Tue Jul 24 21:24:51 1990

In article <930@ssc.UUCP>, markz@ssc.UUCP (Mark Zenier) writes:
```
|>   Spread Spectrum
|>   Either frequency hopping (minimum 75 frequencies, >= 25 Khz seperation,
|>          bandwidth < 25 Khz, time of occupancy on any freq. < .4 seconds
|>          in any 30 second interval)
|>   Or     Direct sequence with minimum 6 dB bandwidth of 500 Khz.
|>
|>   1 watt (with a warning that this may be lowered if the current power
|>      level causes problems)
```

I don't remember if I've mentioned this earlier, but one of the things
I saw when I visited the FCC last month was a current press release

describing some modifications of these rules. Part 15 spread systems are now required to exhibit at least 10 dB of processing gain (for a direct sequence system) or to have receiver bandwidths comparable to the instantaneous signal bandwidth (for frequency hopping systems).

It seems that some of the vendors were cutting corners by spreading at the transmitter only because they were required to do so -- the receiver made no attempt to obtain any processing gain. For example, in direct sequence, the receiver would simply demodulate each spreading "chip" and then remove the spreading sequence to yield the data; in frequency hopping, the receiver bandwidth was made equal to the total spread bandwidth so it didn't have to follow the signal. Of course, this approach meant that the transmitter had to run much more power than would be necessary if the receiver did an honest job, and there'd be much more RF and QRM on the band than necessary. So I was delighted to see the FCC get wise.

It'll be interesting to see how many companies survive this rule change. Those that have been working on "honest" spread spectrum systems will have no problem, while those who would have foisted inferior shortcuts on a trusting and unsuspecting public got what was coming to them. :-)

Phil

From -3299536323825815333
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 03:56:35 PST
Path: gmdzi!unido!mcsun!uunet!salt.acc.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <16164@ucsd.Edu>
Date: 25 Jul 90 04:00:00 GMT
References: <900724-020327-19183@Xerox> <38845@cci632.UUCP>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 18
Posted: Wed Jul 25 05:00:00 1990

In article <38845@cci632.UUCP> cep@ccird7.UUCP (Christopher E. Piggott, WZ2B) writes:
>Shouldn't we strive for a little more than "competence" ?

No, why? Were you an expert when you first got interested? I sure wasn't.

Ham radio operators do not spring full-grown from Zeus's brow; they grow in skill and capability as they gain experience.

Or do you want them to become expert professional hams somewhere else before we let them on our bands? Get real. Everyone has to start at the bottom sometime.

I think they'll become more than competent with time and experience. Either that, or they'll get bored and take up another hobby. Few people keep doing hobbies they're not enjoying because they not good at them.

- Brian

From -1460734012128326766
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,514a50db23d08984,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 04:01:39 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!UNLVM.BITNET!IANR003
From: IANR003@UNLVM.BITNET (Michael Ruhrdanz)
Newsgroups: rec.ham-radio
Subject: Wide Band Equipment for "High-Speed" Packet
Message-ID: <9007250334.AA29343@ucsd.edu>
Date: 25 Jul 90 03:49:01 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6
Posted: Wed Jul 25 04:49:01 1990

Does anyone have any experience with "wide band" radio equipment in a high-speed packet radio environment? We are considering the use of FSK instead of ASFK, 9600 baud to start.

Michael Ruhrdanz N0FER
IANR003@UNLVM.BITNET (or UNLVM.UNL.EDU)

From -7739665874549489747
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3b214f75e817698
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 04:10:19 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Glen Baxter goes off the deep end (Listening Tip)
Message-ID: <7880197@hpfcdc.HP.COM>
Date: 24 Jul 90 20:18:08 GMT
References: <1990Jul20.165425.20551@lopez.UUCP>
Organization: HP Ft. Collins, Co.
Lines: 58
Posted: Tue Jul 24 21:18:08 1990

Re: the BARF boys' assault on K1MAN

BARF's radio-terrorism is certainly entertaining, at least as much as K1MAN's propoganda. Why Glen Baxter was motivated to editorialize against the Dawg and F-Zed is beyond me. After all, he had his own little corner of the spectrum, and most of us are content to let him play with himself.

Having seen BARF's demonstrated ability to totally disrupt a frequency, I think Glen committed a grevious tactical error; "broadcasters" need clear frequencies to do their thing.

Re: Hams vs CBers

The neat thing about SSB is that all the voices are heard. No heterodynes as on AM CB. In many respects, it's the largest public-speaking forum available. It's fun to hear the snide remarks made during another operator's "editorial". Total Chaos ? Maybe. I like to think of it as the ultimate in "free speech".

Re: WA4D, KV4FZ

I thought I heard the Dawg rip into F-Zed during the July 4th weekend. Are they working in concert now ?

I am marginally impressed by these guys - they certainly have brains and F Zed approaches eloquence on occasion. If they weren't so irritating, maybe their message would mean more.

>That out of the way, tune in and gawk a bit. It's fun. And if you are
>a ham and DARE to transmit, be sure and sign you call. It will make you
>stand out in the crowd....
>=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================

I haven't gotten up the nerve to key the mike. I've actually heard KV4FZ demand callsigns with comments. Gee, I didn't know he was so thoughtful of the rules :-)

Re: Free Speech

I think the US Amateurs take their US Consititutional rights with them to the shack, not realizing that SWLs and Hams in other countries may not understand our society. We in the US have raised free speech to an Art Form, allowing all sorts of marginal communication techniques to be used.

I've often wondered if the FCC's agreement with WARC is unconstitutional wrt 1st amendment. If you can't discuss politics, religion, and other controversial topics, why bother ? :-)

Perry Scott
KF0CA

From 2553550064582323711
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e1849b2b9d02294e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 04:10:23 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Running PCs of 12v
Message-ID: <7880199@hpfcdc.HP.COM>
Date: 24 Jul 90 20:48:02 GMT
References: <23.Jul.90.10:31:19.BST.#8453@UK.AC.NWL.IA>
Organization: HP Ft. Collins, Co.
Lines: 10
Posted: Tue Jul 24 21:48:02 1990

For what it's worth:

If you can't afford a UPS, slightly cheaper method involves powering the PC off a smaller battery which is connected via diode to the vehicle This way current only flows from the vehicle battery to the small one. I haven't tried this, but a lot of RVs use this method for their 12v lighting.

Perry Scott
KF0CA

From 9041752892557169593
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,194e37cf349fb2f4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,194e37cf349fb2f4
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-25 04:10:35 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!ucivax!ucla-cs!eel!cccph
From: cccph@eel.cs.ucla.edu (Charles Hobbs)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Venturer Multiband Receiver
Keywords: haverhills, atlantic ad
Message-ID: <37246@shemp.CS.UCLA.EDU>
Date: 25 Jul 90 03:44:39 GMT
References: <26179@unix.cis.pitt.edu>
Sender: news@CS.UCLA.EDU
Reply-To: cccph@eel.cs.ucla.edu (Charles Hobbs)
Organization: UCLA Computer Science Department
Lines: 34

```
Xref: gmdzi rec.radio.shortwave:1677 rec.ham-radio:13197
Posted: Wed Jul 25 04:44:39 1990

In article <26179@unix.cis.pitt.edu> ramanath@unix.cis.pitt.edu (J Ramanathan)
writes:
>Does anyone out in net-land know anything about the Venturer Multiband
>Receiver from Haverhills?  I saw their ad in the Atlantic magazine recently,
 '
 . Stuff deleted
 .
 .
Some time ago, the Venturer receiver, and others in its price class
( less than $150-200) was discussed at length.

Without even looking at this receiver or the ad, I can tell you
that this radio will have at least two *frustrating* features:

1. An >inaccurate< tuning system, consisting of a large frequency
range (say 3-8 or 10-20 megahertz) all on one band. Now, 20 megahertz
on one band may be just fine for FM (88-108mHz) where the signals
are very wide (about 50-100 kHz). But, it is only an invitation to
discouragement with signals that are about 5 kHz wide. Tune in a
station once; you may not tune it in again because you can't remember
where it was on the @#$#@$ dial!

2. Single conversion circuitry, which allows a whole host of
false signals ("birdies" or "images") to interfere with the
station you want to hear.

I have never seen or heard of a *good* shortwave radio for less
than about $175-200....if anyone on the net knows of any, please
let me know....but most, if not all, of the shortwave receivers
advertised in popular magazines, mass-market catalogs, creditcard
invoices and the like are too cheap to be any real good.
--------------------------------------------------------------
| Charles P. Hobbs      | Rail transit has arrived in LA!
| cccph@eel.cs.ucla.edu | Hear the action >right now< on
| N6YMK @ K6VE          |    >>>> 471.3375 mHz <<<<!


From -3715615187063217150
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 04:10:43 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!sdd.hp.com!hplabs!
hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Airwave Wars
Message-ID: <7880195@hpfcdc.HP.COM>
Date: 24 Jul 90 19:38:11 GMT
References: <1990Jul19.174036.6537@mentor.com>
```

Organization: HP Ft. Collins, Co.
Lines: 4
Posted: Tue Jul 24 20:38:11 1990

Re: Emergency communication for other services

Gee, now I know why everyone mods their 2m HTs to talk on every frequency from 100-180 MHz. :-)

From 7219916240809909110
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6dc173148f2f525
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 04:10:48 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Changing Traffic to Emergency Areas
Message-ID: <7880198@hpfcdc.HP.COM>
Date: 24 Jul 90 20:39:39 GMT
References: <11950@rouge.usl.edu>
Organization: HP Ft. Collins, Co.
Lines: 25
Posted: Tue Jul 24 21:39:39 1990

My impression of the Red Cross messaging system is that it implements with people something that should be done via computer. The connection cost of the entire system is tremendous - surely we could approach it like a computer network.

What little experience I had with the California quake was that 20m SSB was extremely inefficient, considering that most of the messages could have been typed into a computer and shipped to a BBS in the Bay Area. The only problem is that there are damn few routes for VHF packet to the West Coast. [it turned out that I passed the most messages by going to my desk and calling another HP ham on the Corporate telephone, having him call the recipients from his office. So much for aura and mystique of Ham public service :-)]

It seems to me that we need to develop an effective HF packet protocol, with cross-band connections on both ends to VHF. Maybe store-and-forward via satelite would work, but portable Earth stations are hard to come by in some areas of the world. Maybe someone can enlighten me on OscarPacket and the feasibility of putting a BBS in space.

IMHO, adding another priority to the networking system is just tinkering. The real problem is in the underlying technology.

Perry Scott

From 3754670437374948S3
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c1687312e470a66,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 04:10:51 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: What to do with N0MFW?
Message-ID: <7880194@hpfcdc.HP.COM>
Date: 24 Jul 90 16:23:03 GMT
Organization: HP Ft. Collins, Co.
Lines: 19
Posted: Tue Jul 24 17:23:03 1990

Hi gang. If call sign games annoy you, skip out now. :-)

I just got my new-and-probably-long-term call sign. Out with KB0GPX/KT, in with... N0MFW. (Please, no laughing.) The question is, what to do with this unhappy collection of letters. Should I... sell my radio? Upgrade and pray? Grimace and get used to it?

I live in Colorado and do a lot of mountaineering. An acquaintance just snagged N0MCR -- "Mountain Climbing Radio" -- it would be perfect for me, and it doesn't fit him. Sigh.

OK, I solicit your suggestions. Here are the best mnemonics I've thought up so far (that are publishable :-).

November zero Mike Foxtrot Whiskey   (boorrring)
N0 Mountain Friendly Wireless   (a mouthfull)
N0 Mighty Fine Wireless
No More Free Women   (sexist)
N0 Muffie Woo   (my lady friend's idea :-)

From -7617609772137975005
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5c82c07be4ca81c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 05:41:42 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!swrinde!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Communicator Frequencies
Message-ID: <30500613@ux1.cso.uiuc.edu>
Date: 25 Jul 90 03:18:00 GMT
Lines: 64
Nf-ID: #R:<9007201131.AA14956@cmr.ncsl.nis:-38:ux1.cso.uiuc.edu:30500613:000:3186
Nf-From: ux1.cso.uiuc.edu!phil   Jul 24 22:18:00 1990

Posted: Wed Jul 25 04:18:00 1990

> I don't know about the rest of you but I would prefer not messing up
> my back yard! I know all the flames that this comment will generate

OK, let's get down to the nitty gritty here....

I **DO** want them in MY backyard !!

And because of the fact that I live in a rural-like area, my backyard is stuck at being 2 meters. I do understand that there are many many more hams operating on 2 meters and on UHF bands as well in the big cities, but FCC regulations cover the WHOLE country, not just the cities. And I think a rule that allowed Communicators on 2 meters ONLY in the rural areas just would not work.

> but just consider that for all practical purposes, there is NO difference
> between 146, 222 and 440. They are ALL relativly local in coverage
> (on average), they ALL have relativly simple equipment requirements
> and they ALL have resident hams within easy distance over most of the
> country. Where they are different is that more people are needed

About HALF of the country.

> to populate the upper bands, 2 meters is, for all good purposes, FULL
> where most of these new "hams" are going to appear (in the cities).
> So, does it make sense to make a difficult situation worse? Not in
> my book!

New hams will generally appear IN PROPORTION to the old ones. That is to say that if we see a 40% growth in hams, we will see a 40% growth in the urban areas AND a 40% growth in the rural areas.

BUT if Communicators do NOT get on 2 meters, then you will be getting what you say, because the Communicators in the rural areas will be getting NO (usable) privileges. So what you are arguing FOR will actually be the CAUSE of what you basing your argument on; so I suggest doing the OPPOSITE so that we do not see such a thing happen.

> So why are we forcing one group out to make room for another? That

Because these groups need to communicate with each other.

I would accept limiting Communicators to higher bands *IF* no more 2 meter only radios were being sold (except for recycled ones). If *ALL* NEW radios for the VHF/UHF bands had at least one COMMUNICATOR-CAPABLE band in them, such as the dual banders we now see being sold, then there would not be any issue left for putting Communicators on 2 meters. The only reason to put the Communicators on 2 meters is because so many hams presently HAVE ONLY 2 METERS (as there VHF/UHF capability). Correct THAT situation and then there will be no problem.

> one smacks of slum-lord tactics, later on the slum lord gets the
> good press for "trouncing urban blight" by tearing down the slums
> and erecting "AFFORDABLE" housing (with HUD money). Did any one
> ask the slum lord who would be able to "afford" the housing?

Make a point, please. Affordability is NOT an issue, really. If a new Communicator is on 2 meters, "Elmer" can talk to him, or buy a UHF radio and move up somewhere else. If the new Communicator is only on some UHF band, then the "Elmer" can also buy a new UHF radio to talk to him, or leave him alone.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 4259491141631497392
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6689244f30762af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 05:42:18 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!know!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Communicator Class
Message-ID: <30500614@ux1.cso.uiuc.edu>
Date: 25 Jul 90 03:28:00 GMT
Lines: 16
Nf-ID: #R:<9007221626.AA23185@tecnet1.jcte:-41:ux1.cso.uiuc.edu:30500614:000:941
Nf-From: ux1.cso.uiuc.edu!phil   Jul 24 22:28:00 1990
Posted: Wed Jul 25 04:28:00 1990

> Well... the term "Old Fart" is really starting to get to me! I think
> that it is now being stretched to include anyone that does not agree
> with the currently proposed ideas for licensing. So I think that I will
> coin a new phrase... "NEW FARTS" ... all the new Communicator Class
> operators and no code people are now "NEW FARTS". Now we will have
> Old Farts, and New Farts, and just plain smelly Farts and when someone
> reaches for the chain on the toilet... we will ALL be in trouble! :-)

How about we start calling the older and more experienced hams as "Elmer" instead of "Old Fart". Maybe that will encourage them to do what they should have been doing all along. What decent "Elmer" would fuss and moan about a bunch of newcomer Communicators in HIS backyard?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -2941580904320473623
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,13e57d7b5df26360

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 05:43:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Communicators and 2m, status of the
Message-ID: <30500615@ux1.cso.uiuc.edu>
Date: 25 Jul 90 04:04:00 GMT
References: <104166@tiger.oxy.edu>
Lines: 71
Nf-ID: #R:tiger.oxy.edu:104166:ux1.cso.uiuc.edu:30500615:000:4119
Nf-From: ux1.cso.uiuc.edu!phil   Jul 24 23:04:00 1990
Posted: Wed Jul 25 05:04:00 1990

Some observations about CITY hams vs. COUNTRY hams:

Out here in the rural areas, there are so few hams that it takes ALL of us together to just get a club going. The CW ops and the Phone ops are in the SAME club. The HF-ers and the VHF-ers are in the SAME club. The packeteers and the ATV-ers are in the SAME club. The "Elmers" and the newcomers are in the SAME club. The DX-ers and the ragchewers are in the SAME club. We get together and get to know more about what each other does. Not only are all these guys in the same club, but when they use a VHF FM frequency to chat on, they all use the SAME repeater (146.76) which ranks way up there in how busy it is. I know of only a couple big city repeaters that are busier.

In the big city, there are enough CW ops to form their own club. There are enough Phone ops to form their own club. There are enough HF-ers to form their own club. There are enough VHF-ers to form their own club. There are enough packeteers to form their own club. There are enough ATV-ers to form their own club. There are enough "Elmers" to form their own club. There are enough newcomers to form their own club. There are enough DX-ers to form their own club. There are enough ragchewers to form their own club.

Most of those clubs also have their own repeater and even if it is an open one, tends to be frequented by a particular group. That means that with the exception of community based clubs, most hams have very little opportunity to meet hams different from themselves. Just think of the prospect of joining ALL the clubs in the area. It could also be an effort to limit communication to "one's own kind". When someone "else" comes in on the repeater they are usually less than welcome. Travelers are tolerated but regular use by "outsiders" is discouraged by attitudes. Thus what results is that there is significantly less use of the many repeaters already in existance.

I have traveled on occaision to the following cities since becoming a ham and had radios available to me when I did: Indianapolis, Dayton, Columbus, San Franscisco, Houston, Dallas, and Chicago (suburbs). The level of activity was INVERSLY proportional to the Community size (limiting the times I was in Dayton to NON-hamvention weekends).

If there is congestion in the big cities, it is in terms of the number of repeaters coordinated and online, BUT NOT in terms of the number of actual ham radio operators using them. There even seems to be A LOT of cause for city hams to become INACTIVE (and not all on the radio, such as antenna restrictions in "bedroom" communities).

My point here is that "congestion" is often claimed, but has not been actually observed. If you know of a city, and particularly a repeater frequency in that city, that is congested, please post it. I may even come to visit your city to hear this rarity. Maybe I can earn a "worked all congested repeaters" award :-) (if I can GET IN) :-)

Last night the Champaign Illinois 146.76 repeater had about 2 hours of on-air time somewhat well interspersed between 12 midnight and 6 AM. This level of activity is actually quite commonplace here. How many big city repeaters can do this. When I was in Dallas recently, I tried all the repeaters on 144 Mhz and 440 Mhz in the repeater directory, and found about 20 (13 VHF and 7 UHF) that I could bring up and came in full quieting on my dual-band HT on low power in my hotel room. I left the radio scanning these 20 frequencies all night. Between 10:30 PM and 1 AM there were 2 QSO's, one about 10 minutes long, and the other about 30 minutes. From 1 AM to 5:30 there was NOTHING AT ALL. At 5:30 I was woken up by a guy who called for another station over and over for about 15 minutes before he gave up. By 6 AM there started to appear to be some "drive time" activity, but it was Saturday so I could expect there to be much less than usual.

Is 2 meters congested in the big cities? I think not.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -6930102022565408182
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84ce1a76bba68b9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 05:44:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!ucbvax!ucdavis!csusac!usenet
From: emmonsl@athena.csus.edu (L. Scott Emmons)
Newsgroups: rec.ham-radio
Subject: Re: UNIX Software for learning Morse Code
Message-ID: <1990Jul25.002425.13565@csusac.csus.edu>
Date: 25 Jul 90 00:24:25 GMT
References: <1990Jul23.021150.25401@mlb.semi.harris.com>
Reply-To: emmonsl@athena.UUCP (L. Scott Emmons)
Organization: California State University, Sacramento
Lines: 14
Posted: Wed Jul 25 01:24:25 1990

In article <1990Jul23.021150.25401@mlb.semi.harris.com>
mmt@moosh.mlb.semi.harris.com (Mojgan M. Thompson) writes:

>I'm intersted in obtaining any software that can be used for learning
>Morse code on a UNIX machine. If you know of such software, please
>contact me via email or post.

It's unlikely that such a product will exist, as there is no way to make the necessary tones at the proper timing on a standard tty. There may be a way to do it with certain terminals, but you will probably have to write it yourself...

L. Scott Emmons
----
emmonsl@csus.edu <or> ...[ucbvax]!ucdavis!csusac!athena!emmonsl
Packet: kc6mhs@kg6xx.#nocal.ca.usa.na

From 1264431242344139001
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7b2752a2d91a67a1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 05:58:15 PST
Path: gmdzi!unido!mcsun!uunet!cos!hqda-ai!media!csense!bote
From: bote@csense.uucp (John Boteler)
Newsgroups: rec.ham-radio
Subject: PL Repeaters
Message-ID: <1990Jul25.125815.928@csense.uucp>
Date: 25 Jul 90 12:58:15 GMT
References: <1990Jul23.202158.7375@bellcore-2.bellcore.com>
Organization: Common Sense Computing, McLean, VA.
Lines: 32
Posted: Wed Jul 25 13:58:15 1990

From article <1990Jul23.202158.7375@bellcore-2.bellcore.com>, by
karn@envy.bellcore.com (Phil R. Karn):

>
> In article <30500608@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
> |> A repeater can be OPEN my making it's CTCSS/PL/"subaudible tone" publicly
> |> known just as much as they can by making the DTMF access codes publicly
> |> known.
>
> Quite true. PL on open repeaters has long been standard practice on 2m
> in some areas (e.g., Chicago, where summertime tropo openings are extremely
> common) while other areas (e.g., NYC) resist it.

This is why all new repeaters coordinated by T-MARC (Middle Atlantic Repeater Council) will use PL from Day One. For one thing, they will start out on a "Repeater Builder's Channel", 145.17 MC which, since it is shared, requires PL from a practical standpoint. Once a frequency with minimal co-channel interference is found, that freq. is assigned the lucky new operator, and the PL access remains in place.

T-MARC makes it clear that there is no such thing as a "clear channel"; anyone who wants a clear channel is invited to investigate 900 MC and up!

It's about time ham repeater operators crawled out of the 1960s and realized that in order for everyone to have his own repeater fiefdom, technological advances such as PL must be utilized to the fullest.

--
John Boteler   {uunet | ka3ovk}!media!csense!bote
NCN NudesLine: 703-241-BARE -- VOICE only, Touch-Tone (TM) accessible

From 7200137694071060569
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b44dd78fac4b23a7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 06:17:45 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!pacbell.com!tandem!moe!kevinr
From: kevinr@moe.Tandem.COM (Kevin J. Rowett)
Newsgroups: rec.ham-radio
Subject: August QST
Keywords: technical batteries
Message-ID: <1990Jul25.060520.25385@tandem.com>
Date: 25 Jul 90 06:05:20 GMT
Sender: news@tandem.com
Reply-To: kevinr@Tandem.COM
Organization: Tandem Computers, Comm Development
Lines: 6
Posted: Wed Jul 25 07:05:20 1990

I can't believe we've not seen at least one messgae noting the lead article in the August QST :-) Are you all out there building one?

N6RCE

From 3828044589739569713
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,514a50db23d08984
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 06:19:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!pacbell.com!tandem!moe!kevinr
From: kevinr@moe.Tandem.COM (Kevin J. Rowett)
Newsgroups: rec.ham-radio
Subject: Re: Wide Band Equipment for "High-Speed" Packet
Message-ID: <1990Jul25.060925.25468@tandem.com>

Date: 25 Jul 90 06:09:25 GMT
References: <9007250334.AA29343@ucsd.edu>
Sender: news@tandem.com
Reply-To: kevinr@Tandem.COM
Organization: Tandem Computers, Comm Development
Lines: 10
Posted: Wed Jul 25 07:09:25 1990

In article <9007250334.AA29343@ucsd.edu>, IANR003@UNLVM.BITNET (Michael Ruhrdanz) writes:
|> Does anyone have any experience with "wide band" radio equipment in a
|> high-speed packet radio environment? We are considering the use of FSK
|> instead of ASFK, 9600 baud to start.

Sure do. We started at 1Mbps on 10GHz. See HR Dec '89

N6RCE

From 9173869639606195816
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16dd1f8d579e8a51,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,16dd1f8d579e8a51,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-25 08:14:39 PST
Path: gmdzi!unido!mcsun!sunic!tut!korppi.tut.fi!rko
From: rko@korppi.tut.fi (Risto Kotalampi)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Steerable Wave Antenna
Keywords: SWA, Steerable Wave Antenna, MW-dxing
Message-ID: <1990Jul25.123221.1680@funet.fi>
Date: 25 Jul 90 12:32:21 GMT
Sender: news@funet.fi (#News)
Reply-To: rko@korppi.tut.fi (Risto Kotalampi)
Organization: Tampere University of Technology, Finland
Lines: 27
Xref: gmdzi rec.ham-radio:13207 rec.radio.shortwave:1680
Posted: Wed Jul 25 13:32:21 1990

I have read about "Steerable Wave Antenna" (SWA). It sounds like very good antenna for our purposes : MW-dxing. It has a very great property : it has two beams (A and B), depending how wires are connected in the receiving end. It's also possible to adjust null angle vertically.

SWA has 2 wires, > 1 lambda each (1.5, 2...)

```
      <------- A beam                      B beam ----------->

       |-------------------wire 1-------------------------
       |-------------------wire 2-------------------------
       |                                                 |
       Rx                                               gnd
```

(Wire 2 is grounded in the end while another one is left in the air.)

I would be interested in to know if anyone have any experience about
SWA.
-How well they work?
-How near wires can be? (We have a lot of old telephone cable with 2
wires, but those are less than 0.5 inch apart)

Risto Kotalampi, rko@tut.fi
Signal Processing Laboratory
Tampere University of Technology

From 6325660276461648015
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c35d872330f419e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,4c35d872330f419e
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-07-25 08:19:36 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!swrinde!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: New Ham needs help on 2m/TNC equipment buy recommendations / TM-731A
Message-ID: <1087@ke4zv.UUCP>
Date: 25 Jul 90 09:02:54 GMT
References: <1990Jul24.215835.21179@midway.uchicago.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Followup-To: rec.ham-radio
Organization: Gannett Technologies Group
Lines: 77
Xref: gmdzi rec.ham-radio:13208 rec.ham-radio.packet:2580
Posted: Wed Jul 25 10:02:54 1990

In article <1990Jul24.215835.21179@midway.uchicago.edu> gary@ellis.uchicago.edu
(gary buchholz) writes:
>Thought I'd drop off a note to the experts on the net before breaking my
>piggy bank to buy a radio. I'm new to this whole thing so...
>
>I just passed by Novice,Tech written and 5 WPM code test. I'll be working
>on General, Advanced and 13WPM code test for a test next month (Why stop
>at tech ... ?)
>
>In any case, I want to get a 2m/440 or 2m/220 radio. The first problem is
>220 vs 440 ? It seems that you can't have everything. Any advice on that ?

Check with the local hams to see where the activity is located. Different areas use their spectrum differently. If really interesting things are happening locally on 220 then go that way. Otherwise go with the 440 equipment.

>
>With my "zip" experience in owning any 2m equipment I've done a little research
>and have come up with, what I think is a good radio...
>
>Its a Kenwood TM-731A 2m/440 dual band, 30 memory channels, extended freq
>coverage, programmable scanning, 50 Watts on 2m, 35 Watts on 440, CTCSS,
>etc etc. The price on this is (whew) $649.
>
>==> Does anyone have experience with this radio... Or can someone suggest a
>==> better rig than this ???

This is a nice feature packed radio. It does tend to run a bit warm and an external fan might help in some installations. I am personally biased toward Icom radios since I have had very good experiences with them, but the 731 is a very good dual band solution. Yeasu and Icom make very good radios as well and I can recommend the FT4700H or the IC2400. Basically they are all good radios, the primary differences are due to the way features are implemented. You may like the Kenwood way, or the Icom way, or the Yeasu way best based on how you like to operate and how you like to think about how controls should work.

>
>I'm very much intersted in using this for packet. I will shortly be going
>through similar buying trauma for a TNC.
>
>==> Any TNC recommendations ? And software that can be used with a Mac ?

I would strongly recomend that you not try to use one radio for both voice and packet unless economics forces you to. Quite often the ability to talk over a problem you are having with new packet techniques is invaluable. In general, a simple cheap used crystal rig will be ideal for packet. I would recommend the IC22a or the TRC22 or any of a number of used commercial two-way radios by Motorola or GE. In the new equipment market, Kantronics makes a nice little crystal rig designed for packet. As for TNCs, MFJ, Paccomm, Kantronics or AEA, they all work. Get the cheapest that has a standard TAPR style modem disconnect. Currently I am using MFJ1270 and Paccomm Tiny 2 units. Red Ryder will get you started as far as software is concerned. There is also MacPacket and others. When you are ready for more advanced work, there is the KA9Q TCP/IP package available with source for the asking.

>I'd like to get good eqipment, with basically everything from the start ..
>.. rather than picking up odds and ends along the way. The latter being,
>I think, more expensive than the former.

This attitude could prove to be disapointing in the long run. Today's wonder box is tommorrow's worthless clunker. The technology of packet is changing too rapidly to justify buying one of the current do everything boxes. They tend to do everything equally poorly. You can add high speed modems to your plain TNC if that becomes popular in your area. You can add a really good HF modem to your plain TNC if that becomes your interest. You can even discard your cheap TNC and get some really good RTTY equipment if that becomes your interest. The do everything boxes tend to be closed, and as technology changes, can be very difficult to upgrade. Sort of like a Mac :-).

At least half the fun of ham radio is the tinkering, modifying, experimenting, and horse trading involved in getting the "ideal" setup. Don't settle for applicance operating.

Gary KE4ZV

From 5704850135930417999
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8aeff07fea8f74,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 08:48:28 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!hplabs!hpda!hpcuhc!hpspcoi!mlau
From: mlau@hpspcoi.HP.COM (Mel Lau)
Newsgroups: rec.ham-radio
Subject: BearCat/ICOM question
Message-ID: <860006@hpspcoi.HP.COM>
Date: 24 Jul 90 18:16:17 GMT
Organization: HP PCG, Sunnyvale CA
Lines: 9
Posted: Tue Jul 24 19:16:17 1990

Hi,

Whats the difference between a Bearcat 200XLT and a 205XLT ??
Also, even tho ICOM is not selling the R1 in the US can you buy it in Cananda ?? How much is the R1 priced at ??

Thanks in advance
mlau@hpspcoi

From 8563493524975325205
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b1a9dfed20d8e3e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 08:50:14 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!swrinde!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Do we need *more* hams, or less?
Message-ID: <1083@ke4zv.UUCP>
Date: 25 Jul 90 04:04:56 GMT
References: <24.Jul.90.18:03:33.BST.#9528@UK.AC.NWL.IA>

Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 28
Posted: Wed Jul 25 05:04:56 1990

In article <24.Jul.90.18:03:33.BST.#9528@UK.AC.NWL.IA> PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon") writes:
>I have watched the 'discussion' re. incentive licensing with a mixture of
>amusement, horror, and deja-vu.
>My question: *WHY* do we want *MORE* hams? Surely, its a fact that as the
>numbers go up, the quality comes down.

Two points. First point is that the average age of current amateurs is around fifty. This does not bode well for the future of the service. Therefore we need more, hopefully young, hams to provide for the future of the service. Second point is that "quality" of hams probably follows a bell shaped curve. As we get more hams, we get more good hams as well as more bad hams. The average quality stays the same, but in absolute numbers we wind up with more good hams.

>(If you really want *more* hams, why not just sell licenses by mail-order
>and then you could have charging based on number of band segments
>or privileges).
>No seriously, I think we should be encouraging RAISING of standards, not
>lowering them. Make the test harder and introduce a code-free license.
>(I am against the UK 'Novice licence'; IMHO it can do nothing but harm...)

If you are a HF DXer or contester then more hams is a bad thing. However, if you care about technical innovation, emergency service, introducing young people to technical careers, or the long term future of amateur radio, then more hams is a good thing. It all depends on your point of view.

Gary KE4ZV

From 3567314500145902692
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 08:51:45 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!swrinde!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <1088@ke4zv.UUCP>
Date: 25 Jul 90 09:13:07 GMT
References: <900724-020327-19183@Xerox> <38845@cci632.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 20
Posted: Wed Jul 25 10:13:07 1990

In article <38845@cci632.UUCP> cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
writes:
>In article <900724-020327-19183@Xerox> "hugh_davies.WGC1RX"@XEROX.COM writes:
>>>Brian Kantor says;
>>>
>>>...There should be only two classes of ham license
>>...
>>>Both have questions on regulations,
>>>procedures, and technical matters to ensure that the applicant is
>>>competant to install, operate, and maintain a ham radio station...
>
>>Hear, hear!! Just like the U.K.
>
>Shouldn't we strive for a little more than "competence" ?

I think "competence" is an adequate licensing requirement. "Excellence"
is what we should all strive for AFTER we become hams. Amateur radio
should be a continuing lifelong quest for knowledge and no amount of
wallpaper can substitute for the inner drive to learn.

Gary KE4ZV

From 8487365669351098132
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2297b0d50450a25f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 09:07:04 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!pacbell.com!decwrl!ucbvax!
SACEMNET.AF.MIL!lwrclmr
From: lwrclmr@SACEMNET.AF.MIL ("LWRCLMR")
Newsgroups: rec.ham-radio
Subject: PC on 12V
Message-ID: <9007251208.AA24632@ucsd.edu>
Date: 25 Jul 90 11:56:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Wed Jul 25 12:56:00 1990

I have seen several applications of running PCs on 12v and on generators using
an UPS as a line conditioner. An outfit in Wisc called BEST as what I feel is
the best UPS on the market (personal opinion of which I feel perfcectly
entitled, no flames please). They have files of several customers who use a
12v system through an invertor and then through their ferrups unit to give
"computer grade" power. Their unit also works extremely well on generators to
give a good clean regulated, filtered, output. I have seen the output from
these on a scope and I am satisfied. As soon as I can afford my new computer
you can bet on of BESTs UPS units will be included.

Michael
WA7SKG

From 7166015452069713000
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c1687312e470a66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 09:13:22 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!apple!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: What to do with N0MFW?
Message-ID: <77@thoreau.nsc.com>
Date: 25 Jul 90 12:52:41 GMT
References: <7880194@hpfcdc.HP.COM>
Organization: National Semiconductor, S. Portland, Maine
Lines: 6
Posted: Wed Jul 25 13:52:41 1990

In article <7880194@hpfcdc.HP.COM>, ajs@hpfcdc.HP.COM (Alan Silverstein) writes:

> in with... N0MFW.

Get on CW, that call has more sex in its bounce
than Cher in concert!

From -5263355844885862516
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8ae1d8be28951b5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 09:24:07 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!apple!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: CW procedure summary (long)
Summary: Q-signs
Message-ID: <76@thoreau.nsc.com>
Date: 25 Jul 90 12:15:12 GMT
References: <22480008@hpcuha.HP.COM>
Organization: National Semiconductor, S. Portland, Maine
Lines: 22
Posted: Wed Jul 25 13:15:12 1990

A simple note that in regard to those Q-signs, virtually all of these procedural signs come in two varieties. With a question mark (?) they represent a querry while when sent on their own or with information are either a POSITIVE response to the querry or are a mark prefixing the information requested.

QTH? = what is your location
QTH NYC = station location is NYC

Note also that some Q-signs when stated as querries also require an information field. This form is less often used in general contact work (I can't even remember an example myself) and is often not used in net work as the information field is frequently implied by context.

Keep listening to nets and on the air, your QSO style will develope to what suits your preference and will not be too far off "standard".

Ron

From 6041725451255561727
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,74bf978fabd099c1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 09:33:28 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!psuvax1!psuvm!ricevm1.bitnet!jkoss00
From: JKOSS00@RICEVM1.BITNET (Jordan M. Kossack)
Newsgroups: rec.ham-radio
Subject: Advice wanted - 2m HT
Message-ID: <1724JKOSS00@RICEVM1>
Date: 25 Jul 90 09:29:20 GMT
Organization: Rice University - Home of the 5 year / 50% tuition increase
Lines: 44
Posted: Wed Jul 25 10:29:20 1990

I'm thinking about buying an HT when school starts this Fall. I'm looking for advice regarding the following:

1) Brand: I've seen several advertisements for Alinco HTs and they're significantly cheaper than their ICOM, Kenwood, and Yaesu counterparts. Are they good rigs? Is the price difference mainly due to the fact that they're not as well known as the big 3, or is there a quality difference as well? Any preferences among the big 3? Do ICOMs really survive a 300m drop? ;-)

2) Band: According to what I've been hearing on the net, 2m is a zoo and 70cm is empty. So, the question is whether I should get a 2m or 440MHz HT. I can not afford a dual band rig unless I go with the Alinco [see above] and I'm of the impression that 220MHz is barren. I guess it is a matter of personal opinion ... so I want to hear yours. Note that I have ONE friend that is a ham and he won't be buying a rig anytime in the near future, so ...
[I know - I'm working on getting another friend into amateur radio, but it aint easy to motivate 'em.   ]

3) Why: Should I even bother getting an HT? I saved some money from

my summer job and I can spare about $400 for goodies, after books for Fall semester, new glasses, etc. I've been thinking that the 400 bucks should go toward an HT, but I'm open to suggestions from more experienced hams. I don't own any rigs but I have access to RUARC's HF reciever and xmitter when I get the urge. Oh, btw, I've a tech license.

Any suggestions on the three topics above would be appreciated. In the interest of saving net bandwith, I encourage e-mail replies unless you think it is of general interest. Right now I'm leaning toward the Alinco 2m/70cm dual bander if I can find it on sale, or one of the 2m Alinco HTs. If you know any reasons why this would be unwise, I would really like to hear your reasons. tnx es 73

- Jordan, n5qvi

```
 Jordan Kossack         Rice EE student for hire      No job too small
 JKOS00@RICEVM1         Part Time - eves & wknds      No fee too large
     N5QVI                  --->  Illuminati non Carborundum  <---
```

From -5614234877216899469
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ce714bcc50e4f8d1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 09:51:45 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!snorkelwacker!spdcc!merk!alliant!linus!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Ten-ten Australian ham contact on 10m award
Message-ID: <104387@philabs.Philips.Com>
Date: 25 Jul 90 03:19:28 GMT
Sender: news@philabs.Philips.Com
Lines: 19
Posted: Wed Jul 25 04:19:28 1990

copied from packet:

```
 Msg# TSF  Size #Rd  Date  Time From   MsgID        To
30930 BF   2088   1 22-Jul 0021 N2JEU  TENTEN-07    TENTEN@ALLBBS ()
  Sb: Royal Flying Doctor Award
```

From the Ten-Ten International News Service - July 21, 1990
Bob Arnold N2JEU @ WA2TVE.WNY.NY.USA
Canastota, New York U.S.A. (315) 697-7478 (voice only)

The Twenty Eight Chapter of Ten-Ten International announces the "Royal Flying Doctor Service" Award. The award is issued for contacting Australian stations on the 10 meter band. This is a yearly award with a different certificate available each year.

Complete details will appear in the Summer 1990 issue of the Ten-Ten International News appearing in late July 1990.

Bob N2JEU - editor 10-10 News

```
From -338332407632983501
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,514a50db23d08984
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 09:55:45 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Wide Band Equipment for "High-Speed" Packet
Message-ID: <1089@ke4zv.UUCP>
Date: 25 Jul 90 09:34:04 GMT
References: <9007250334.AA29343@ucsd.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 16
Posted: Wed Jul 25 10:34:04 1990
```

In article <9007250334.AA29343@ucsd.edu> IANR003@UNLVM.BITNET (Michael Ruhrdanz) writes:

>Does anyone have any experience with "wide band" radio equipment in a
>high-speed packet radio environment? We are considering the use of FSK
>instead of ASFK, 9600 baud to start.

Why not do away with the radios entirely and use the WA4DSY Grapes high speed RF modem. It is a Minimum Shift Keyed Quad Phase Shift Keyed 56 kilobaud modem ouputing 5 milliwatts of RF on 28Mhz suitable to drive a transverter to the VHF/UHF band of your choice. Thats a MSK QPSK 56K RF modem available for the past two years as a kit from your friendly Georgia Radio Amateur Packet Enthusiastists Society. It occupies a 70Khz spectrum (1.2hz per baud) so look for transverters for 220 and above. It can be slowed to 19.2kbaud by a jumper change if you must use it on 145Mhz. Send email to ...gatech!kd4nc!dug for an info sheet.

Gary KE4ZV

```
From -8294359499764199873
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 10:04:39 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!mailrus!bbn.com!chowe
From: chowe@bbn.com (Carl Howe)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <58416@bbn.BBN.COM>
```

Date: 25 Jul 90 13:41:55 GMT
References: <900724-020327-19183@Xerox> <38845@cci632.UUCP> <1088@ke4zv.UUCP>
Sender: news@bbn.com
Lines: 19
Posted: Wed Jul 25 14:41:55 1990

Gary KE4ZV writes:

>I think "competence" is an adequate licensing requirement. "Excellence"
>is what we should all strive for AFTER we become hams. Amateur radio
>should be a continuing lifelong quest for knowledge and no amount of
>wallpaper can substitute for the inner drive to learn.

Interestingly enough, in aviation, a common slogan used for people getting their private pilot licenses is that it is a "license to learn". I've always kept that in mind with regard to amateur radio and believe that it is a good model for how licensing should work. A license should ensure that the licensee is safe, legal, and competent. Once the license is granted, then the licensee can get on with the business of becoming expert. Until you grant the license, the licensee can only acquire limited experience, and therefore, will never be truly expert no matter how much testing you do.

Carl
WG1V

From 7862760360411131425
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d6a5574d014de758,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 10:14:43 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!PICA.ARMY.MIL!cfishman
From: cfishman@PICA.ARMY.MIL (Clark Fishman, FSAC-FCD)
Newsgroups: rec.ham-radio
Subject: HELP
Message-ID: <9007250828.aa04046@FSAC1.PICA.ARMY.MIL>
Date: 25 Jul 90 12:28:45 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Wed Jul 25 13:28:45 1990

I hust got a Heathkit HW-7 CW Transceiver at a Hamfest.

No documentation was included but the soldering was good.

The rig does not fully work and I am looking for any and all

information on this rig. I will gladly pay for copies or

what ever info provided.

73, Clark Fishman WA2UNN

P. O. Box 150
Andover, NJ 07821

phone: work 201-724-6041/7956

home 201-852-6041

e-mail: cfishman@pica.army.mil

From -4410438041942943716
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,882ab29e29151abd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 10:16:37 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!wuarchive!mit-eddie!media-lab!snorkelwacker!spdcc!merk!alliant!linus!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Aussie Salute (ten-ten)
Message-ID: <104386@philabs.Philips.Com>
Date: 25 Jul 90 03:14:20 GMT
Sender: news@philabs.Philips.Com
Lines: 18
Posted: Wed Jul 25 04:14:20 1990

copied from packet:

```
 Msg# TSF  Size #Rd  Date  Time From   MsgID        To
30935 BF   2123   2 22-Jul 0020 N2JEU  TENTEN-06    TENTEN@ALLBBS ()
  Sb: The Aussie Salute - 28 Chapter
```

From the Ten-Ten International News Service - July 21, 1990
Bob Arnold N2JEU @ WA2TVE.WNY.NY.USA
Canastota, New York U.S.A. (315) 697-7478 (voice only)

The Twenty Eight Chapter of Ten-Ten International announces "The Aussie Salute" running from October 10th to October 28th, 1990. Its an EXTENDED QSO PARTY with a special certificate offered to participants.

Ten-Ten International was formed in 1962 and 1990 will be the 28th anniversary. Complete details will appear in the Summer 1990 issue of the Ten-Ten International news due out during July 1990.

Bob N2JEU - editor 10-10 News

From -6752023179336321986
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98150dc57a91856a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 10:16:49 PST

Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!ucsd!ucbvax!PICA.ARMY.MIL!cfishman
From: cfishman@PICA.ARMY.MIL (Clark Fishman, FSAC-FCD)
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9007250822.aa03941@FSAC1.PICA.ARMY.MIL>
Date: 25 Jul 90 12:22:46 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1
Posted: Wed Jul 25 13:22:46 1990

test

From 510017941242273149
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6dc173148f2f525
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 10:52:17 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!wuarchive!psuvax1!psuvm!cunyvm!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Changing Traffic to Emergency Areas
Message-ID: <262@ultrix.uhasun.hartford.edu>
Date: 25 Jul 90 13:53:39 GMT
References: <11950@rouge.usl.edu> <7880198@hpfcdc.HP.COM>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 28
Posted: Wed Jul 25 14:53:39 1990

In article <7880198@hpfcdc.HP.COM>, perry@hpfcdc.HP.COM (Perry Scott) writes:
>
> It seems to me that we need to develop an effective HF packet protocol,
> with cross-band connections on both ends to VHF. Maybe
> store-and-forward via satelite would work, but portable Earth stations
> are hard to come by in some areas of the world. Maybe someone can
> enlighten me on OscarPacket and the feasibility of putting a BBS in
> space.

They are already up there. Two UoSats and two Microsats include BBS capabilities. (Although the software is still under development). And the Japanese satellite (FO-20) is routinely carrying messages in its BBS right now. The microsats can be accessed using omnidirectional antennas, so portable Earth stations should be no problem.

Of course, the satellites may not be overhead when you want them, so unless we can put up a _lot_ of them and link them together, they probably will never play a large part in emergency communications. (I'm speaking of LEO satellites, of course. A Phase-4 satellite would be a different story.) So, effective HF communications are necessary. That's one reason why ARRL is funding research in the

```
area of HF packet development.


--
Jon Bloom, KE3Z                               | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu          |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."


From -5430672039567757406
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b44dd78fac4b23a7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 10:55:41 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!apple!brutus.cs.uiuc.edu!wuarchive!psuvax1!
psuvm!cunyvm!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: August QST
Keywords: technical batteries
Message-ID: <263@ultrix.uhasun.hartford.edu>
Date: 25 Jul 90 13:56:37 GMT
References: <1990Jul25.060520.25385@tandem.com>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 18
Posted: Wed Jul 25 14:56:37 1990

In article <1990Jul25.060520.25385@tandem.com>, kevinr@moe.Tandem.COM (Kevin J.
Rowett) writes:
>
> I can't believe we've not seen at least one messgae noting the
> lead article in the August QST :-)  Are you all out there
> building one?
>
> N6RCE

I assume you mean the lead _technical_ article.

What do you want to bet there will be more of those built than
there will be of the slick little device described in the article
that follows it?

--
Jon Bloom, KE3Z                               | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu          |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."


From -8855120333831344465
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,167875ac35f20dc4
X-Google-Attributes: gid10c9e3,public
```

```
X-Google-ArrivalTime: 1990-07-25 11:54:18 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!apple!xanadu!jeff
From: jeff@xanadu.com (Jeff Crilly (N6ZFX) )
Newsgroups: rec.ham-radio
Subject: Re: ITU Code Requirement
Message-ID: <1990Jul25.185418.5889@xanadu.com>
Date: 25 Jul 90 18:54:18 GMT
References: <13749@shlump.nac.dec.com>
<1990Jul24.193208.12316@bellcore-2.bellcore.com>
Organization: AMIX Corporation, Palo Alto, CA
Lines: 43
Posted: Wed Jul 25 19:54:18 1990

In article <1990Jul24.193208.12316@bellcore-2.bellcore.com>
karn@thumper.bellcore.com writes:
>In article <13749@shlump.nac.dec.com>, magid@select.enet.dec.com (Joel
>Magid...) writes:
>>
>>       I understand that for operations below 30 Mhz the ALL amatuers
>>       are required by ITU regulation to pass a code test.
>>
>><Stuff Deleted>
>>
>>       3. If the regulation is so well enforced how does the CB world
>>          exist in the US under that ITU requirement ?
>
>Because CB is not an amateur service, it's a land mobile service. Police
>officers, ambulance drivers, firemen and cell phone users aren't required
>to know the code either.
>
>Phil

Except for CB, aren't all the other services you list above 30mhz?
I'm no expert on the ITU regulations, but my understanding is that the US
regulated CB (e.g. low power, antenna limitations, etc.) to keep
it a "local" service (i.e. range is typically limitted to 5 miles).

The RC (radio-control) frequencies are also in the 11-meter band which
requires no license.

Also, police officers, ambulance drivers, cell phone users aren't "amateurs".
They are public services or business related concern, while CB is not at
all public service or business related.  I beleive it falls under the
category of point-to-point personal radio, like the devices for use
on 49 Mhz.

Seriously, I too am curious why the Citizens Band exists and why it doesn't
violate ITU regulation.  I know of other countries where CB radios are very
much ILLEGAL (without the appropriate lisence).  (In the Philippines the
local village police used them for communication.)

Jeff
--
```

Jeff Crilly (N6ZFX)
AMIX Corporation
2345 Yale St.

From 9174368319050694014
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd5779a0d5ae6ab
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,cd5779a0d5ae6ab
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-07-25 12:09:43 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!aplcen!stda.jhuapl.edu!mjj
From: mjj@stda.jhuapl.edu (Marshall Jose)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: Soldering to Aluminum, how to do it.
Keywords: soldering trick
Message-ID: <6073@aplcen.apl.jhu.edu>
Date: 25 Jul 90 16:23:56 GMT
References: <104327@philabs.Philips.Com>
Sender: news@aplcen.apl.jhu.edu
Reply-To: mjj@aplvax.UUCP (Marshall Jose)
Followup-To: rec.ham-radio
Organization: JHU-Applied Physics Laboratory
Lines: 37
Xref: gmdzi rec.ham-radio:13224 sci.electronics:7617
Posted: Wed Jul 25 17:23:56 1990
Nntp-Posting-Host: stda.jhuapl.edu

In article <104327@philabs.Philips.Com>
rfc@briar.Philips.Com (Robert Casey) writes:

>It is possible to solder to aluminum, using regular rosin-core
>solder. It just takes a special trick....
>What you need
>to do is puddle some hot solder on the spot you want to solder to.
>While you are doing that, and the aluminum is also hot, scrape the
>aluminum under the puddle with the soldering gun or iron.

Yes, this works fairly well when all you need is a good electrical connection. However, there also exist solder/flux products specifically designed for soldering aluminum. Both Weller (separate solder and flux) and Kester (flux in core of solder) make such products, and are typically 100% tin with a very active chloride (i.e., acid) flux. I prefer the flux-core type, since it does a somewhat nicer job. The job requires a propane torch for the high temperatures (~450 F) involved, not to mention the high thermal conductivity of aluminum.

I made a wonderful and very lightweight 2-meter beam with a shower-curtain rod, 10-ga. aluminum wire, and the Kester stuff. I found that when the temperature is just right, the joints sweat-solder as nicely as

Pb/Sn on copper. Voila: no heavy SS bolts, no corrosion problems.

Drawbacks: Only alloys with a high aluminum content (60-61, 20-24) work well with the tin solder. Also, I found it difficult to make nicely-flowed corners when I attempted construction of an aluminum enclosure. Looks like brass, steel, & copper are still the best mat'ls for homemade boxes.

> One word of warning: DON'T use a fancy plated soldering iron tip!

Ditto with the aluminum solder -- the flux will eat a hole in your soldering iron tip. Use a torch.

Marshall Jose WA3VPZ
mjj%stda@aplcen.apl.jhu.edu || ...mimsy!aplcen!aplvax!mjj

From 1859781127196456397
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61d8aaf3cc219013,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 12:09:56 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!decwrl!ucbvax!ROSEVC.Rose-Hulman.EDU!DERRY
From: DERRY@ROSEVC.Rose-Hulman.EDU
Newsgroups: rec.ham-radio
Subject: Slinky antenna
Message-ID: <5CD8E9F100FF201530@ROSEVC.Rose-Hulman.Edu>
Date: 25 Jul 90 16:09:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Wed Jul 25 17:09:00 1990

This is another request for information.

Who has ever had any experience with a "Slinky" antenna? These were advertised in QST in the "old days", but no more.

I would appreciate hearing from anyone who has had any experience with either the commercial model or a homebrew version.

TNX ES 73 DE K9CUN
derry@rosevc.rose-hulman.edu

From -7969855626873836067
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,167875ac35f20dc4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 12:31:09 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)

Newsgroups: rec.ham-radio
Subject: Re: ITU Code Requirement
Summary: CB, hams, code
Message-ID: <939@ssc.UUCP>
Date: 25 Jul 90 19:31:09 GMT
References: <13749@shlump.nac.dec.com>
Organization: very little
Lines: 24
Posted: Wed Jul 25 20:31:09 1990

In article <13749@shlump.nac.dec.com>, magid@select.enet.dec.com (Joel Magid...) writes:

>
>
> I understand that for operations below 30 Mhz the ALL amatuers
> are required by ITU regulation to pass a code test.
>
> 3. If the regulation is so well enforced how does the CB world
> exist in the US under that ITU requirement ?

The CB radio service is not part of the Amateur Radio service. If this were a requirement for ALL services below 30 MHz, folks who work at AM broadcast stations would have to know the code.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -2195098155151526209
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f8192d9efc124574
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 12:47:35 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!spdcc!mirror!necntc!necis!rbono
From: rbono@necis.UUCP (NM1D)
Newsgroups: rec.ham-radio
Subject: Re: Learning code (was: Help with mods and code)
Summary: more, (hopefully not very redundant)
Message-ID: <1363@necis.UUCP>
Date: 25 Jul 90 19:47:35 GMT
References: <1990Jul20.001951.1172@uoft02.utoledo.edu> <1359@necis.UUCP>
Organization: NEC Technologies, Inc., Boxborough, MA
Lines: 76
Posted: Wed Jul 25 20:47:35 1990

Sorry to post this to the net, but the header of this got trashed, so I couldn't email the reply.... also I think this will continue the previous thread and be of interest to other beginers on the net...

>
> Rich,
> I'm also trying to learn Morse code, to get my license. One thing, that you
> maybe able to help me with is that I'm trying to locate a logical order
> to Morse code. I know, that it's based on the frequency of the letters
> (i.e. E and T are the most used letters, so they are the shortest).
>

I have been told that the Morse code is based on this, that the most frequently used letters (in the english language) are the shortest, but I don't have any reference material that desribes this.

> Do you happen to have a diagram that shows this relationship?
> Basically, I'd appricate any other hints or clues for learning this code.
> I usually can learn things much easier, once I figure the logic behind it.
>

You could just lay out the code in asending order of length. Remember that a "dash" is three times the length of a dot:

So the shortest letters would be:
E .
I ..
S ...
T -
H ....

Then maybe:
A .-
N _.

etc....

Personally, I don't see how this logic would help you learn the code. It may be interesting, or maybe studying this will help you to remember (the same way that memorizing does, by association)..... But to build your speed, after you have memorized the letters, practice, practice, practice. Idealy, you DON'T want to memorize the code, you want to LEARN it.

You want copying code to become an "automatic" reaction (of course this is the ideal situation). So when you hear a letter, your fingers automatically write down the letter, without your brain "thinking" about it. You don't want to think in dots-and-dashes..... but hear characters directly. Later, when (and if) you practice enough, you will begin to "hear" words directly.

I almost attained this level, I can hear certain frequently uses words like:
NAME, RST, QTH, AND, THE.... but not enough to copy in my head!!

Of course, some say don't write anything down, start by copying in your head!! Well, I have yet to see anyone PASS THE TELEGRAPHY EXAM by copying in their head, and just jotting down a few notes.... some may have done this, but with a few years of being a V.E. (Volunteer Examiner), I have NEVER witnessed anyone passing an exam this way.

Others will tell you not to bother to learn the code, just memorize it enough to pass the exam.   This is up to you, if you want to become proficient with Morse code (and have an easier time learning it), then (in my opinion) don't memorize it, learn it!!

Good luck, I hope this helps.   Morse code can be FUN if you give it a chance!

Rich (NM1D)

```
--
 /**************************************************************************\
 * Rich Bono (NM1D)    If I could only 'C' forever!!    rbono@necis.nec.com *
 * (508) 635-6300          NEC Technologies Inc.                NM1D@WB1DSW *
 \**************************************************************************/
```

From 1961408032920790119
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d365a58774e1d19c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,d365a58774e1d19c,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-25 13:50:49 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: RZ-1 Birdies
Keywords: birds
Message-ID: <3583@rambo.oakhill.UUCP>
Date: 25 Jul 90 16:14:29 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 17
Xref: gmdzi rec.ham-radio:13226 rec.radio.shortwave:1688
Posted: Wed Jul 25 17:14:29 1990

The Kenwood RZ-1 is a .5MHz to 905MHz AM/FM/WBFM receiver.
I thought I'd share my observations on the RZ-1 birdie problems.
If anyone else has experienced this problem speak up!

The spectral composition of the birdies appears to be coming from the uP control board. This 'trash' is then coupling via ground loops. I say this because as I removed the i.f. board from its mount (ungrounding it from the metal chassis) the

birdies when down in amplitude. Also when the unit first
powers up, it delays for 4 seconds before scanning the LCD
and keyboard. During this time the receiver sounds quiet
and free of birds. I therefore concluded that its a EMC
problem with the on-board uP.

If I find the ultimate solution to this problem I'll post it.

-Charlie WB4HVD

From -2306753641702769443
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64f4b1afa0b571b1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 13:52:39 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!iuvax!noose.ecn.purdue.edu!news
From: wb9omc@ea.ecn.purdue.edu (Duane P Mantick)
Newsgroups: rec.ham-radio
Subject: QSL paths?
Message-ID: <1990Jul25.164725.15555@ecn.purdue.edu>
Date: 25 Jul 90 16:47:25 GMT
Sender: news@ecn.purdue.edu (USENET news)
Organization: Purdue University Engineering Computer Network
Lines: 12
Posted: Wed Jul 25 17:47:25 1990

Could someone give me a good idea of a path to QSL for:

LU7QAJ

9Y4JL

I have done about everything I could (without being an ARRL member :-))
and have no response.

Duane
WB9OMC

From 2221253345397499O9
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f22be70847117f1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 13:56:32 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!elkind@crboss.dec.com
From: elkind@crboss.dec.com (Steven A. Elkind)
Newsgroups: rec.ham-radio
Subject: Hamming in Rockland County (NY)
Message-ID: <13874@shlump.nac.dec.com>

Date: 25 Jul 90 16:50:02 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 11
Posted: Wed Jul 25 17:50:02 1990

I may be relocating to a job in Westchester, NY; if I do, I will be looking
for a QTH (my wife will be looking for a house 8^}) in Rockland County,
probably in New City, Congers, or Nanuet.

What's hamming like down there? Are there roadblocks to putting up towers?
I've been told that the topography in places is terrible if I want to get
a good signal out - what areas should I avoid? Can any netters out there
supply names and addresses (or officers' calls) for some ham clubs in the
area? Any active QRP groups down there?

tnx de KB1RB

From 1032187485444394209
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b44dd78fac4b23a7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 14:01:28 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!ucsd!pacbell.com!tandem!moe!kevinr
From: kevinr@moe.Tandem.COM (Kevin J. Rowett)
Newsgroups: rec.ham-radio
Subject: Re: August QST
Keywords: technical batteries
Message-ID: <1990Jul25.172403.695@tandem.com>
Date: 25 Jul 90 17:24:03 GMT
References: <1990Jul25.060520.25385@tandem.com> <263@ultrix.uhasun.hartford.edu>
Sender: news@tandem.com
Reply-To: kevinr@Tandem.COM
Organization: Tandem Computers, Comm Development
Lines: 14
Posted: Wed Jul 25 18:24:03 1990

In article <263@ultrix.uhasun.hartford.edu>, jbloom@uhasun.hartford.edu
(Jon Bloom) writes:
|> In article <1990Jul25.060520.25385@tandem.com>, kevinr@moe.Tandem.COM
(Kevin J. Rowett) writes:
|> I assume you mean the lead _technical_ article.
|>
|> What do you want to bet there will be more of those built than
|> there will be of the slick little device described in the article
|> that follows it?

If ever there was a sucker bet.....

N6RCE

From -2070528243272703154
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,af673bb92c362fac
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 14:05:14 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!uakari.primate.wisc.edu!uflorida!mlb.semi.harris.com!jujeh.mlb.semi.harris.com!krl
From: krl@jujeh.mlb.semi.harris.com (Ken Lyons)
Newsgroups: rec.ham-radio
Subject: Re: G5RV antenna
Summary: Another experience
Keywords: G5RV
Message-ID: <1990Jul25.171355.20146@mlb.semi.harris.com>
Date: 25 Jul 90 17:13:55 GMT
References: <104332@philabs.Philips.Com>
Sender: K Lyons
Organization: Harris Semiconductor, Melbourne FL
Lines: 32
Posted: Wed Jul 25 18:13:55 1990

I recently ordered the quarter size version of the G5RV from Antennas West, and what I received was not exactly what I expected. For starters, I ordered the quarter size because I have limited space in which to use it and am content with 20 through 10 meters for now.

When I talked to Antennas West on the phone, I was assured that an antenna tuner was not required when used with a transceiver such as my Heathkit SB102. When the antenna arrived, however, the documentation clearly indicated that the antenna would be reactive at these frequencies, and that the antenna would operate with a high SWR. Since my transceiver is rated for operation at a 2:1 or better SWR, I have not been willing to operate with it without a tuner (unless I see someone else doing so without cooking the final, at least. Never mind someone just telling me so).

The other strange thing is that the person at Antennas West told me was that the antenna kit would be shipped the next day by air, which seemed remarkable enough at the time. When the kit arrived three weeks later, I knew the people at Antennas West were not to be taken at their word.

Despite all this, the antenna appears that it will serve my purpose well enough when I get a tuner, which I intend to do eventually. Also, the kit was nicely packaged and easy to assemble, so that it seems a reasonable value. It is just a shame that the person answering at Antennas West has a poor sense of humor or is a compulsive lier, which strikes me as a poor way to run a business. While I don't rule out ever bying another Antennas West product, I can no longer believe anything they tell me about their prouducts or service, which lowers the probability that they will ever get another order from me (and possibly those who hear of this).

73s
Ken Lyons KC4QEN

From 6132893583010582966
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bacfc3d306a64488,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 14:05:50 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!iuvax!noose.ecn.purdue.edu!news
From: wb9omc@ea.ecn.purdue.edu (Duane P Mantick)
Newsgroups: rec.ham-radio
Subject: quality vs. quantity
Message-ID: <1990Jul25.171632.16222@ecn.purdue.edu>
Date: 25 Jul 90 17:16:32 GMT
Sender: news@ecn.purdue.edu (USENET news)
Organization: Purdue University Engineering Computer Network
Lines: 48
Posted: Wed Jul 25 18:16:32 1990

>>From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
>I have watched the 'discussion' re. incentive licensing with a mixture of
>amusement, horror, and deja-vu.
>My question: *WHY* do we want *MORE* hams? Surely, its a fact that as the
>numbers go up, the quality comes down.

Well, there may be some truth to that, regardless of where you live. Noting your call and email address as a UK person, you perhaps do not feel the concern here in the states over loss of spectrun to commercial interests (on the other hand, you may have a similar problem).

In the US, government tends to work like:

Group A feels threatened over the possibility of losing some privelege. Realizing that they are a minority of the total US population, they bring in more citizens into their "sphere of influence". This increased number of Group A now has a larger influence with the elected representatives and thus swings a bit more weight in the decision making process.

It is a rule by majority. I cannot claim any knowledge of how this kind of thing goes on your side of the pond. :-)

>(If you really want *more* hams, why not just sell licenses by mail-order
>and then you could have charging based on number of band segments
>or privileges).
>No seriously, I think we should be encouraging RAISING of standards, not
>lowering them. Make the test harder and introduce a code-free license.
>(I am against the UK 'Novice licence'; IMHO it can do nothing but harm...)

I have nothing against maintaining a reasonable standard. However, we already have a large number of jerks as hams in the U.S. prior to the "Proposed Communicator" (and in fact, there are some outside the US as well - it would be snobby of me to suggest that the US has cornered the market on jerks :-)). When dealing with individuals who join a hobby out of a large group of citizenry, there will inevitably be bad apples. No test is going to weed them out if they are justt nasty persons. If he is so inclined, he can mark the right answers on the test and when he gets his ticket he'll just go back out and do what he wants. In order to do anything about these kinds of problems you are going to need enforcement, which in the US means either directly from the FCC OR something like the ARRL "OO" type of program (yes folks, you heard me say something positive about one part of the ARRL.....)

Duane
WB9OMC

From 9193109476084815630
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,740dccd506fbb062,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 14:47:07 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!HIARAS.NRC.CA!EVERETT
From: EVERETT@HIARAS.NRC.CA
Newsgroups: rec.ham-radio
Subject: Looking for Derek Koopman G1TLH
Message-ID: <5CC57F3F71FF000375@NRCNET.NRC.CA>
Date: 25 Jul 90 18:28:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Wed Jul 25 19:28:00 1990

In July's QEX -The ARRL's Experimenters Exchange- GATEWAY Column there is an article on "Connectionless Mail Protocol and More" by Derek Koopman, G1TLH. The last line of the article says it is from Connect International via Herb Greeb, N8XX.
I would very much like to contact Mr. Koopman to discuss his article.
If anyone would have any information on how to reach him by Email, Postal service, or phone I would appreciate them passing it along.
The article has spawned a possible undergraduate thesis idea on the subject of Connectionless Protocols.
Any information or general comments on the subject would be valued.

73,
...Jerry Everett VE1DE/VE3
EVERETT@HIARAS.NRC.CA
Herzberg Institute of Astrophysics
National Research Council, Ottawa, Ont., Canada

From -3618262781435797415
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,fe1482054b817262
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-23 15:11:19 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!mips!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: Cellular telephone as emergency service?
Message-ID: <2804@wyse.wyse.com>
Date: 23 Jul 90 17:43:50 GMT
References: <9007192350.AA07535@ucsd.edu> <1990Jul20.175844.8030@ariel.unm.edu>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 24
Posted: Mon Jul 23 18:43:50 1990

In article <1990Jul20.175844.8030@ariel.unm.edu> ee5391aa@hydra.unm.edu (Duke McMullan n5gax) writes:
>stuff deleted...
>
>So what really happens? Can anyone in the Bay area tell us what happened on
>the cellular links during the big shakeup a while back? Some of you must
>KNOW what happens to the cellular services in these situations. Would
>you be willing to share your tales?

I can give you two observations about CellTel during the earthquake.

The cell which covers Los Gatos was out of action for at least the first 24 hours after the quake. Land line service was also down or intermitant during the same period. Los Gatos is fairly close to the epicenter, and experienced the worst damage within Santa Clara County.

There was a fairly large collection of CellTels at the Oakland EOC (Thats Emergency Operations Center) and it was damn near impossible to get a dial tone for about a week. This wasn't due to cell failure, but rather overloading the system. There were a greater number of phones in the area than the cell could handle.

Steve Wilson, KA6S
Ex-EC for the City of Milpitas

From 1948136909308851259
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe1482054b817262
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-23 15:11:39 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!swrinde!zaphod.mps.ohio-state.edu!mips!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio

Subject: Re: Cellular telephone as emergency service?
Message-ID: <2805@wyse.wyse.com>
Date: 23 Jul 90 18:21:01 GMT
References: <9007192350.AA07535@ucsd.edu> <1990Jul20.175844.8030@ariel.unm.edu> <1990Jul21.164302.19756@ameristar>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 69
Posted: Mon Jul 23 19:21:01 1990

In article <1990Jul21.164302.19756@ameristar> rick@ameristar (Rick Spanbauer) writes:

> stuff deleted...
>
> The other interesting question is how amateur radio did during the bay area earthquake in terms of equipment availability, message flow, and congestion of channels.
>
> Is preparing for the once in a century event worth the expenditure of billions of dollars worth of spectrum (eg wouldn't reusing parts of the land mobile bands during times of disaster be just as effective)? Equivalently, is all the spectrum allocated to amateur radio needed to fulfill the public service role (or would 3-4 mHz do)? It would seem that the public service role of any radio service is multifaceted, ie cellular radio operators reporting motor vehicle accidents are no less important to the cause as the amateur radio types who help out in natural disasters. IMHO, amateur radio shouldn't rely on any one source of political currency to pay for its spectrum allocation.
>
>
> Rick Spanbauer/WB2CFV
> Ameristar Technology

Rick,

In California major earthquakes aren't once in a century. I've personally experienced the Sylmar quake of 71 and the Loma Preita quake of 89. That doesn't include the Coalinga quake, and Whitier quakes. Thats more like once every 5-6 years. (Just putting this in proper perspective...it really doesn't have much bearing on Rick's arguement or mine..)

You ask whether billion's worth of radio spectrum should be tied up for a once-in-awhile event....Hopefully, there are other reasons that ham radio should be supported by the US government(see the basis and purpose in part 97 for their current justification.)   What I would say is that emphasizing this aspect of ham radio to JQ Public is smart public relations...this is one activity that the general public can relate too and appreciate.

The contributions of other services shouldn't be ignored but rather enhanced. Current state of affairs being as they are though, ham radio is in the best position to help. We have both local and national organization whoose goal is to prepare ourselves. We have varied spectrum capability so we can respond with a variety of capabilities. Need long haul comm...no problem...Need to tie two different organizations together on a common frequency...no problem. Need radio coverage into the back country...no problem. This capability has two different aspects to it...we have more frequency capabilities than any individual agency, thus more bandwidth that can be employed during disasters. On the other hand, some of our capabilities are directly related to the spectrum we have, i.e. long haul communications versus point-to-point employ different chunks of the spectrum nominally.   So to provide the service as it currently exists we do need a pretty good choice of available frequencies.

Another major point that people neglect that ties directly into Part 97 requirements for ham radio involves the capability of setting up and operating this hardware under any required condition. This ability requires some technical expertise. I can't think of any other radio service which is prepared in this manner. (Now they may exist...I just honestly don't know of any off the top of my head)

73's de Steve KA6S

```
From -9031729782023171170
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-23 15:11:48 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
mips!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: Airwave Wars
Message-ID: <2806@wyse.wyse.com>
Date: 23 Jul 90 18:26:43 GMT
References: <1990Jul18.215248.11497@bellcore-2.bellcore.com>
<7880192@hpfcdc.HP.COM> <1990Jul21.180642.27463@bellcore-2.bellcore.com>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 17
Posted: Mon Jul 23 19:26:43 1990
```

In article <1990Jul21.180642.27463@bellcore-2.bellcore.com>
karn@thumper.bellcore.com (Phil R. Karn) writes:
>A much smaller number, I would say. Note that this 200,000 figure was

```
>just for one (albeit big) state, and only for nine months.....
>
>stuff deleted so I can get through the filter ;-)

Hi Phil,

I'd guess we handle around 10 calls a day minimum on the 6.115
repeater here in San Jose.  (Patty can correct me if I'm
off by a large amount ;-)  I went through a quick exercise
to try and guess what kind of numbers we do generate.....
using pretty conservative figures I'd guess between 30,000 and
50,000 calls a year to CHP and other agencies. This isn't
200,000....but it isn't an insignificant number either.

Steve KA6S


From -837814538040966678
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,167875ac35f20dc4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-23 16:00:25 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!elroy.jpl.nasa.gov!ames!haven!decuac!
shlump.nac.dec.com!select.enet.dec.com!magid
From: magid@select.enet.dec.com (Joel Magid...)
Newsgroups: rec.ham-radio
Subject: ITU Code Requirement
Message-ID: <13749@shlump.nac.dec.com>
Date: 23 Jul 90 19:25:43 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 12
Posted: Mon Jul 23 20:25:43 1990



     I understand that for operations below 30 Mhz the ALL amatuers
     are required by ITU regulation to pass a code test.

     1. Does anyone have the text of that regulation ?

     2. Does it state in the regulation what the minimum speed
        required is ?

     3. If the regulation is so well enforced how does the CB world
        exist in the US under that ITU requirement ?


From 1069562718202708341
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7b2752a2d91a67a1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-23 16:11:14 PST
```

Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!zaphod.mps.ohio-state.edu!uwm.edu!psuvax1!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters, Communcator, et al
Message-ID: <1990Jul23.202158.7375@bellcore-2.bellcore.com>
Date: 23 Jul 90 20:21:58 GMT
References: <1721JKOSS00@RICEVM1> <30500608@ux1.cso.uiuc.edu>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 26
Posted: Mon Jul 23 21:21:58 1990

In article <30500608@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
|> A repeater can be OPEN my making it's CTCSS/PL/"subaudible tone" publicly
|> known just as much as they can by making the DTMF access codes publicly
|> known.

Quite true. PL on open repeaters has long been standard practice on 2m in some areas (e.g., Chicago, where summertime tropo openings are extremely common) while other areas (e.g., NYC) resist it.

I once listened to a knock-down drag-out fight between a user of the 146.895 system in Morris County, NJ, and a user of a repeater on the same pair in southern New Jersey who kept bringing up the Morris system in advertently. The southern NJ ham was not so strong that he could not be overidden by any local user of the Morris machine, so the use of PL could have prevented the problem entirely. What a pointless argument.

The proper way to use PL is to assign a common tone frequency to all the systems in a given area, and to assign different tones to each of the other, nearby metropolitan areas where the RF channels are reused. This way, those using the systems in a local area need use only one tone frequency. That makes it easier to use rigs with add-on PL generators that can't store a different PL tone for each channel.

Phil

From 2116578126834542244
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c7cdc440e26cf444,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,c7cdc440e26cf444,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-23 16:11:18 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rice!uw-beaver!zephyr.ens.tek.com!tektronix!sequent!rjk
From: rjk@sequent.UUCP (Robert Kelley)
Newsgroups: rec.radio.shortwave,rec.ham-radio

Subject: Up Converter recommendations for R7000?
Keywords: r7000 converter
Message-ID: <39226@sequent.UUCP>
Date: 23 Jul 90 18:58:42 GMT
Distribution: rec
Organization: Sequent Computer Systems, Beaverton, OR
Lines: 9
Xref: gmdzi rec.radio.shortwave:1662 rec.ham-radio:13143
Posted: Mon Jul 23 19:58:42 1990

I would like to add a frequency converter to my IC-R7000
so I can listen well below 25 MHz (or whatever its lower limit
is, exactly). I've heard of several commercial up-converters,
but I wouldn't be adverse to building something, either.

Recommendations?

Bob Kelley
rjk@sqnt.com

From -1782206044128373823
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-23 17:54:55 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!t-petesk
From: t-petesk@microsoft.UUCP (Peter SKELLY)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <56014@microsoft.UUCP>
Date: 23 Jul 90 21:51:43 GMT
References: <13686@shlump.nac.dec.com> <15961@ucsd.Edu>
Reply-To: t-petesk@microsoft.UUCP (Peter SKELLY)
Organization: Microsoft Corp., Redmond WA
Lines: 36
Posted: Mon Jul 23 22:51:43 1990

In article <15961@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>What a load of crap.
>
>There should be only two classes of ham license: one has a minimal code
>requirement to satisfy international treaty and allows operation below
>30 MHz; the other doesn't. Both have questions on regulations,
>procedures, and technical matters to ensure that the applicant is
>competant to install, operate, and maintain a ham radio station.
>
>Nothing else is needed!
>
>If you want to hang paper on the wall or prove how good you are at
>passing exams, the ARRL will no doubt provide voluntary technical and
>operating exams, just as they currently provide code proficiency
>certificates. The people who want them will jump through the hoops to

>get them and the rest of us will do whatever ham radio means to us.
>
>Incentive licensing sucks hard. Let's abolish it.
>   - Brian

That works for me. At this point, i've come to the conclusion that all
you need to know to be a ham are a few rules, such as bands, bandwidth,
power regulations, etc. These days, the only technical stuff you need
is the ability to find the power switch, and the ability to press a PTT.

Things like the OSI model of network comm, preamp circuits, propigation
methods, etc, have nothing to do with whether you can keep youself
out of trouble. All that counts is that you use the right bandwidth,
stay within your band, and dont do things like swear on the air, etc.

Pete Skelly
microsoft!t-petesk
KB7GUD

my opinions are my own

From 5670728151454758949
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,48a0f9da6ab29636
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,48a0f9da6ab29636
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-07-23 18:08:48 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!spdcc!mirror!necntc!necis!rbono
From: rbono@necis.UUCP (NM1D)
Newsgroups: rec.ham-radio.packet,rec.ham-radio
Subject: Re: clover HF data mode schematics
Message-ID: <1361@necis.UUCP>
Date: 23 Jul 90 19:52:36 GMT
References: <103962@philabs.Philips.Com>
Organization: NEC Technologies, Inc., Boxborough, MA
Lines: 17
Xref: gmdzi rec.ham-radio.packet:2572 rec.ham-radio:13145
Posted: Mon Jul 23 20:52:36 1990

In article <103962@philabs.Philips.Com>, rfc@briar.Philips.Com (Robert Casey)
writes:

>   A set of schematic diagrams which will enable home builders to construct a
>   frequency-stable, ultra-selective receiver and matching exciter which meets
>   the requirements of the CLOVER h.f. data mode, can be obtained for a SASE.
>   The design is for a single frequency on 30 meters, which will be the
>   location of the first Clover network.
>   See the July issue of QEX magazine for a description of the Clover mode.
>

Ok, for those of us who don't get QEX,.......

WHAT IS THE CLOVER MODE????, somehow this sounds interesting!!
please inform the net about this, I am sure that others here are interested

Rich (NM1D)

From -7123804857617738123
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd5779a0d5ae6ab,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,cd5779a0d5ae6ab,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 105d97,cd5779a0d5ae6ab,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-07-23 18:26:33 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio,sci.electronics,rec.radio.shortwave
Subject: Soldering to Aluminum, how to do it.
Keywords: soldering trick
Message-ID: <104327@philabs.Philips.Com>
Date: 24 Jul 90 01:26:33 GMT
Sender: news@philabs.Philips.Com
Lines: 27
Xref: gmdzi rec.ham-radio:13182 sci.electronics:7600 rec.radio.shortwave:1675
Posted: Tue Jul 24 02:26:33 1990

It is possible to solder to aluminum, using regular rosin-core solder. It just takes a special trick.

Reason that you can't usually get solder to stick is that there is a layer of oxide on the surface. Scraping the aluminum in the air doesn't work, as new oxide forms within microseconds. What you need to do is puddle some hot solder on the spot you want to solder to. While you are doing that, and the aluminum is also hot, scrape the aluminum under the puddle with the soldering gun or iron. You can also use an old screwdriver to scrape under the puddle. Object is to let the hot solder touch un-oxidized alumunum, before the air can touch it. The more scrapes you can make, the more area there is to get a good solder joint. Once you've done this, you'll have a spot tinned with solder, that you can solder a wire to. A good test is to tug on the wire to see if it pulls off or not. You'll need a large wattage soldering iron or gun on a large piece of aluminum.

If you can, solder to a corner, or create a finger partially cut away from the large sheet of aluminum to solder to. Or drill 4 holes around the spot you want to solder to, then do it. Object here is to avoid losing too much heat due to heat sink action.

One word of warning: DON'T use a fancy plated soldering iron tip! I did once, and the plating came off, ruining it. Use an all-copper iron or soldering gun tip.

>> Practice on some scrap pieces before you do this on something important!

73 de WA2ISE

From 7613898690103372767
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,942928009566bc4c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-23 18:32:21 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Icom IC901 mod file
Keywords: mods
Message-ID: <104329@philabs.Philips.Com>
Date: 24 Jul 90 01:32:21 GMT
Sender: news@philabs.Philips.Com
Lines: 28
Posted: Tue Jul 24 02:32:21 1990

copied from packet:
From: KA2YKC@KA2YKC.NJ.USA.NA

Here is the mod for adding TX on the entire VHF side and extended RX/TX on the UHF side. Remove the rear cover on the control unit by removing the 2 screws on the back and carefully snap the cover off. Locate the diodes on the side of the circuit board. Locate the space labeled "D-18" and install a diode. This adds TX on the full portion of the VHF side. Locate and remove "D-25" and unit will now receive full coverage on UHF side. Install this or other diode in the space labeled "D-23" . This adds TX coverage over the entire UHF side. Replace the cover as this completes the mod.

D-18 -> adds tx to 2meter band (136-174 Mhz)
D-25 -> adds rx to 440mhz band (400-480 Mhz) remove diode
D-23 -> adds tx to 440mhz band (400-480 Mhz)

There are spaces for other diodes but I only had access to the main and vhf/uhf units so I could not test other possibilities. Any success would be appreciated for my records. All diodes are 1N914/1N4148 or equivalent.

Disclaimer: You and I both know the deal: I hold no responsibility as these mods are for educational and/or test purposes only and it is illegal to transmit on anything other than the Ham bands with this rig.

===

Note: I haven't tried this, proceed at your own risk. WA2ISE

From -4587718485798332035

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,59a7f236a81e2348
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,59a7f236a81e2348
X-Google-Attributes: gid114aac,public
X-Google-Thread: 103802,59a7f236a81e2348
X-Google-Attributes: gid103802,public
X-Google-ArrivalTime: 1990-07-23 18:53:23 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!shelby!unix!larson
From: larson@unix.SRI.COM (Alan Larson)
Newsgroups: rec.ham-radio,rec.radio.shortwave,rec.radio.noncomm
Subject: Re: Kenwood RZ-1 Birdies
Keywords: Birds
Message-ID: <14453@unix.SRI.COM>
Date: 23 Jul 90 19:50:31 GMT
References: <3516@radio.oakhill.UUCP>
Reply-To: larson@unix.UUCP (Alan Larson)
Followup-To: rec.ham-radio
Organization: SRI International, Menlo Park, CA
Lines: 16
Xref: gmdzi rec.ham-radio:13147 rec.radio.shortwave:1664 rec.radio.noncomm:126
Posted: Mon Jul 23 20:50:31 1990

In article <3516@radio.oakhill.UUCP> charlie@oakhill.UUCP (Charlie Thompson) writes:

>guys). The radio has bigtime birdies. Lotsa birdies. I
>traced the source to the control microprocessor. I added
>a supply bypass cap and the noise went down somewhat but it
>still has lotsa birdies! The Kenwood service tech says the
>2 MHz clock on the control board radiates harmonics. OK so
>why do I have birdies at less than 2 MHz intervals?? No answer
>from Kenwood.

The birdies could be picked up at any of several stages in the radio, where the hetrodyning frequencies are not exact multiples of 2 MHz. Thus, with images, you could expect the birdies not to appear nicely at 2 MHz intervals.

Alan

From 8852281487776512737
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,af673bb92c362fac,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-23 18:56:02 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: G5RV antenna
Keywords: G5RV
Message-ID: <104332@philabs.Philips.Com>

Date: 24 Jul 90 01:56:02 GMT
Sender: news@philabs.Philips.Com
Lines: 57
Posted: Tue Jul 24 02:56:02 1990

copied from packet:

```
 Msg# TSF  Size #Rd  Date  Time From   MsgID        To
30840 BF   4924   4 13-Jul 2049 KC6CFF 5766_WB6LYE  ALL@ALLUSA ()
  Sb: Homebrew G5RV All Bander
```

The G5RV is an easy-to-build 80-10 dipole requiring no traps. All bands are covered, including 30, 17, and 12. The G5RV has high SWR, by design, on most bands and a tuner is required. Unlike most dipoles, the "basic" design is not a 1/2 wave, but instead a 3/2 wave dipole on 20 meters. A half size unit can be built, halving top and feeder, for 40 and up. For more info and detailed theory about this versatile antenna see G5RV article in the ARRL Antenna Compendium. The article is by G5RV himself, the only HAM we know honored by being named after an antenna, according to Jim of RADIO WORKS.

```
       <                       102 ft.                        >
       ---------------------------------------------------------


                34 ft matching section *

    * Adjusted for velocity factor of feeder, if necessary.

    * HINTS, ETC. *
```

This is my first antenna project. I built mine with insulated 12 ga. wire I had laying around. Initially I had "homemade" open wire feeder for the matching section. The antenna worked fine on 20 and up, but turned my tuner into a "self lighting" meter unit on 40 and 80 (smelled kinda funny too). Originally I blamed my budget tuner, but after replacing the open wire (because of storm damage), it now works fine on 80, 40, 20, 15, and 10. I don't have WARC capabilities and can't report performance on those bands.

The replacement matching section is 300 ohm twin lead with the length adjusted for it's velocity factor (34 ft * .82). The top is kinda touchy when it comes to trimming. My antenna is hard to get at so i shortened up 1 ft first try and moved the resonant section from well below the band (SWR was 1.6 at lower band edge on 20m) to above 14.2 (SWR 1.3). Light trimming is suggested. Due to the normal high SWR, others have suggested not using a coax feeder with wimpy dielectric, particularly if running substantial power.

So how's it work? I LIKE it. One antenna that works well on all bands. I've received good reports, voice and cw, on all bands running a barefoot Yaesu FT 101B. Surprising number of contacts from QTHs that would seem to be unfavorable because of my antenna orientation. My next G5RV is going to be a half size unit wit a different orientation and extending the 300 ohm line all the way back to the tuner. (G5RV recommends the open type feeder, by the way). If you build (or have built) a G5RV and have anything to add about this versatile antenna, please send me feedback at the address below. I'll put out and updated version of this file.

Happy HAMing ... Jim KC6CFF @ WB6LYE.#KLMTH.OR.USA.NA

Note: I haven't tried this, proceed at your own risk. WA2ISE

From 2337432444979465152
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f8192d9efc124574
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-23 19:36:25 PST
Path: gmdzi!unido!mcsun!uunet!husc6!spdcc!mirror!necntc!necis!rbono
From: rbono@necis.UUCP (NM1D)
Newsgroups: rec.ham-radio
Subject: Learning code (was: Help with mods and code)
Message-ID: <1359@necis.UUCP>
Date: 23 Jul 90 19:48:22 GMT
References: <1990Jul20.001951.1172@uoft02.utoledo.edu>
Organization: NEC Technologies, Inc., Boxborough, MA
Lines: 55
Posted: Mon Jul 23 20:48:22 1990

In article <1990Jul20.001951.1172@uoft02.utoledo.edu>, grx0644@uoft02.utoledo.edu writes:
[mods stuff deleted]
>
>Also I am going to take classes from a local ham group so I may earn my novice
>license. With all the talk about code and ways to learn it, I am a bit
>confused as to which is the best way. CAn anyone provide an outline for
>learning the code? I wrote a program for the C128 computers that will translate
>any text into morse code (which is how I entend to practice until I start this
>class in the fall.) I am eager in starting my education of code, that I may
>EARN my first ticket.
>

Welcome to the world of Amateur Radio (even though you havn't got your license yet!)...

My input to the learning of Morse code is the following:

Practice copying code at least every day. This can be in one or many short sessions (10-15 minutes each), or one long

do-it-for-as-long-as-you-can-make-progress

session. The idea is to get as much practice COPYING code, as you can. Of course, you have to judge for yourself how quickly you want to earn your license. Of course, don't over do it!!! It doesn't do you any good to burn yourself out trying to copy for 1 hour a night, if your head can't stand it!

When I say "copy", I mean writing down each character as you hear it. Listening to a tape (or computer) without writing down each character can help, but SHOULD NOT be a substitute for your written practice. Some will tell you to learn to copy in your head, which is great for normal operating, but this probably will not help you pass the code exam. Remember, the code exam is a written exam! If you can remember 5 (five) minutes of details UNDER THE PRESSURE of an exam, then copying in your head, and jotting down notes will be ok for you (but I doubt that many people can do this).

If you have access to a receiver, then try and copy some code off the air, use the W1AW code practice sessions, or other clean copy that you find. Don't spend too much time doing this (playing with the radio), unless you find code that you can copy at 50% or better.

This information comes from my experience as an instructor of Novice classes, and as a Volunteer Examiner. I have seen many people try to use the various "new methods" to copy the code. They work for some people, or help those who have difficulty with the "standard" methods. But MOST people are distracted by these 'so-called easy methods', looking for an "easy way out". If you put the effort into copying code, instead of these "tricks", you will end up learning the code, and forming a good base for increasing your codespeed later.

Good luck, and I hope to hear you on the air some time soon!!

Rich (NM1D)

From 798528516068550614
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3cf526736023dcad,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-23 20:12:26 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!aplcen!haven!decuac!shlump.nac.dec.com!ricks.enet.dec.com!reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: Re: World game results, anyone?
Message-ID: <13759@shlump.nac.dec.com>
Date: 23 Jul 90 21:40:36 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 31
Posted: Mon Jul 23 22:40:36 1990

In article <7120129@hpcupt1.HP.COM>, holly@hpcupt1.HP.COM (Jim Hollenback) writes...

>
>Any one know who got the gold, silver and bronze in the World games?
>Any info on the other teams would be interesting.

A packet message this morning (from N4DW as relayed from KR7G) had this info:

K1AR/K1DG team made 1435 QSOs
W9RE/K7JA team made 1385 QSOs
OK team third place, no QSO total given.

I'm sure I got the team info correct, but maybe the numbers are off a little. My packet connection is flakey right now.

I made about 340 QSOs from W1MX (MIT Radio Club Station) in a few hours of operation. I was amazed by the activity. Half of them were on CW, and the keyer was gone, so I battled it out with a straight key.

73, jim AD1C

=-=

"The opinions expressed here in no way represent the views of Digital Equipment Corporation."

James J. Reisert   Internet: reisert@ricks.enet.dec.com
Digital Equipment Corp.   UUCP: ...decwrl!ricks.enet!reisert
77 Reed Road
Hudson, MA 01749-2895

From 1069703741737140899
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3cf526736023dcad
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-23 20:13:00 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!aplcen!haven!decuac!decatl!shlump.nac.dec.com!ricks.enet.dec.com!reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: Re: World game results, anyone?
Message-ID: <13761@shlump.nac.dec.com>
Date: 23 Jul 90 21:55:13 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 21
Posted: Mon Jul 23 22:55:13 1990

Packet back... here 'tis:

Msg #671 From: AB1U Date: 23-Jul 0244Z Subj: more /WG scuttlebutt

Had a qso with N4ZC who says KR7G told him the top 3 in WRTC were:
K1AR/K1DG with 1405 QSO's
w9re/K7JA with 1385 QSO's
The OK team was #3, no Q's given.

73, Rick

=-=

"The opinions expressed here in no way represent the views of Digital
 Equipment Corporation."

James J. Reisert   Internet: reisert@ricks.enet.dec.com
Digital Equipment Corp.   UUCP: ...decwrl!ricks.enet!reisert
77 Reed Road
Hudson, MA 01749-2895

From 4738068717519790438
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5c82c07be4ca81c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-23 20:17:33 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: Communicator Frequencies
Message-ID: <26114@usc.edu>
Date: 23 Jul 90 23:42:35 GMT
References: <9007201131.AA14956@cmr.ncsl.nist.gov>
<1990Jul20.183601.21501@bellcore-2.bellcore.com> <72@thoreau.nsc.com>
Sender: news@usc.edu
Organization: EE-Systems, USC, Los Angeles
Lines: 46
Posted: Tue Jul 24 00:42:35 1990

In article <72@thoreau.nsc.com> rtodd@thoreau.nsc.com (Ron Todd) writes:
>I know all the flames that this comment will generate
>but just consider that for all practical purposes, there is NO difference
>between 146, 222 and 440. They are ALL relativly local in coverage
>(on average), they ALL have relativly simple equipment requirements
>and they ALL have resident hams within easy distance over most of the
>country.

This is _NOT_ a flame. It is intended to try to educate ...

I can't speak directly for 220, because I haven't used the band, but 144
and 432 are dramatically different!

+   Sporadic E is almost non-existant on 70cm
          (I've never even heard of it on 70cm.)
+   Meteor Scatter is much easier on 2m

(I've worked more than 150 contacts on 2m meteor scatter, while only 7 on 70cm.)

+ Often, Tropospheric ducting is far superior at 70cm

(I've seen a band opening from 70cm and up where I was working folks in southern Georgia and Alabama, and in Florida, from Grand Rapids, MI, for more than 4 hours, when 2m was stone cold dead!)

+ With similar antenna size, receiver noise figure, transmitter power, and bandwidth, there is an advantage to going higher in frequency because antenna system gain goes up as f^4 while path loss goes up as f^3.

(I was always able to work a guy in south-eastern WVA from western MI on 70cm, but we never made it on 2m. We both had ~100W on both bands, 2 stacked 15' boom antennas on both bands, similar preamps and feedline on both bands, and worked CW. When I say always, I mean that it was an everyday occurance that I could [and often did] work him on 70cm.)

+ Moonbounce may be easier on 70cm because of the ease in building antennas of high-enough gain. I'm just guessing, talk to an experienced EMEer to find out for sure.

Conclusion: If you only consider NBFM, then 2m and 70cm may be so much alike that you can't tell them apart. However, if you consider narrowband modes, where you can really tell what kind of propagation is happening, then 2m and 70cm are so different that you would never even think of making such a statement [that they are much alike].

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

---

From 9193058708471369225
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b068affc1b8c865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-23 20:54:06 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!pacer!peter
From: peter@Pacer.UUCP (Peter Klein)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio's value (Was: Re: Communicator Class)
Message-ID: <326@pacer.UUCP>
Date: 24 Jul 90 00:05:29 GMT
References: <25883@usc.edu> <7880189@hpfcdc.HP.COM> <55993@microsoft.UUCP>
Reply-To: peter@Pacer.COM (Peter Klein)
Organization: Pacer Corporation, Bothell, WA
Lines: 166
Posted: Tue Jul 24 01:05:29 1990
Disclaimer: Opinions are mine alone, not my company's.

A few thoughts on the Communicator controversy. My own background: 36 years old, ham for 21 years. That makes me *both* a fairly young ham and an old-timer, demographically speaking. :-) I passed my Novice and

Advanced in 1968-69 when there were only two questions on *transistors* on the exams. Got my Extra in 1984. I don't consider myself a techno-whiz, but I am reasonably technically literate.

Many countries have a no-code license, and it hasn't destroyed their amateur services. International regulations say that one must know CW to transmit below 30 mHz. I think that's wise, for reasons I will state in a moment. But for above 30 mHz, no such restriction applies.

Since one can currently have all VHF+ priviledges by passing the Technician exam, it's only fair to allow a Communicator access to all VHF+ bands as well. After all, he or she will pass the same (or harder) test. The Communicator is a Technician-without-code, just as the Technician is essentially a General-without-13-wpm.

If the Communicator wants HF priviledges, all he/she should have to do is pass 5 WPM to become a Technician, or 13 WPM to become a General. Bottom line: If you want HF, learn code. But beyond that, I don't believe we should segregate the new Communicators from the mainstream on VHF.

If we start requiring different combinations of exam elements for this or that mode or this or that VHF sub-band, or establish multi-pronged upgrade paths for different license classes, we will get into a regulatory quagmire that will make the "incentive licensing" problems of the '60's pale by comparison. Plus which, budget realities being what they are, the FCC could not enforce such stratification anyway.

Communicators may very well make great contributions to the brave new digital world of amateur radio. Maybe they can solve the congestion on 145.01, or even cure the common cold! Or maybe they will just be enjoyable folks to talk to. I'm sure a few bad apples will get in, but I don't see how code tests would prevent this. I've heard plenty of rude, liddish and downright illegal behavior on the Extra bands.

Some people have posted that the current exams are intellectual jokes, and that the tests ought to be made harder. That may be, but ham radio is a *hobby*, not a profession. Requiring every ham to have professional-level Engineering and Computer Science skills would quickly kill the hobby, because nobody would bother to apply.

The ham exams were never intended to prove *professional* competence in state-of-the-art radio and computer design. They were designed to ensure that the applicant had gone to the trouble of finding out some reasonable level of knowledge in radio and related matters, so there was a reasonable chance that he would have the basis to become competent in the aspect of hamming he/she chose to become involved in. I believe that passing the current General/Technician level test is ample evidence of having taken such trouble, even if it doesn't qualify one for a job as a circuit designer.

I do *not* want to see the regulatory classification of hams into pseudo-ethnic groups based on mode or operations preference--another reason why I oppose banishing the Communicators from below 220 mHz. Heaven knows, we do enough of that ourselves without help from the FCC. It's like the old Tom Lehrer song: the DXers hate the contesters, the experimenters hate the FM repeater folks, the old lids hate the young kids, and everybody hates the ragchewers!

I personally believe that the diversity of ham radio is its strength. If you want to handle traffic, there's a place for you. If you want to interface radios and computers, ditto. If you want to tweak antennas, ditto. If you want to make friends in foreign countries, ditto. If you just want to grunt "59, please QSL," ditto. If you want to design the next generation of transmission modes and networking protocols that will solve all the world's communication and spectrum space problems forever, ditto. Or if you just want to chat for hours about something that you and a fellow ham find interesting, or even about nothing at all, ditto.

But now, back to code, and the notion of obsolesence in general. I said before that CW should be kept as a requirement for all licenses that have HF priviledges. First off, international regulations require it. But there's more to it than that. CW may be irrelevant to the kind of radio that many computer people are interested in, but it is not obsolete. CW is an international language with its own kind of music, grammar, and even humor. Tune the "utility" bands. You'll still hear a lot of CW there.

Watt for watt, CW will get you farther than any other mode on HF. For those of us who rent apartments and are lucky to have 100 watts to a dipole, CW is a wonderful thing. Without a beam and/or high power, CW may make the difference between being able to make an HF contact or not making it. Add a moderate level of QRM, QRN, or QSB, and a good CW operator will read CW far more accurately than a PK-232 reads CW or Baudot. Under difficult conditions, HF packet is useless, and even moderate CW speed may get the message through faster than AMTOR.

There are many hams in the world who are a lot less affluent than Americans. Some of them can only afford a hand-me-down tube rig, maybe even only a CW transmitter built by hand from the innards of a broken TV set. Personally, I like to work such people. They have managed to add their voices to the ether despite limitations that would make most hams in industrialized nations give up. Should we deem all of them irrelevant just because they don't use computers, packet, or satellite uplinks?

When I was a kid, I took pride in the fact that I could get on the air on a kid's budget using "obsolete" gear. I kept it going with little more than a VOM and a 100 kHz crystal calibrator, and talked to the world.

I had a schedule with a guy in England, and we discussed current events every week. Twenty years before glasnost, I was working Eastern Europeans (mostly on CW), exchanging greetings, learning bits and snatches of their languages, learning geography, marveling over picture-postcard QSLs of exotic locales. I got a thrill from it then, and I still get a thrill from it now. Is all that somehow shameful, because I'm not advancing the art or using the latest technology?

Should I be run off the bands now because I prefer plain old HF SSB and CW to VHF packet? Or because I am currently setting myself up for HF Baudot and AMTOR using a (shudder) Commodore 64? And should I be doubly tarred and feathered for having these preferences, since I am a computer professional and "ought to know better?"

Some of you ultra-techies need to learn (forgive me) a little respect and compassion for others. There's a lot of different kinds of ham radio out there, and it has just as much right to exist as yours does. Without real people to transmit real human communication via your innovations, all your technical knowledge is useless. And remember, when you're dealing with real people, the *usability* of a device or protocol--and how much change it imposes, and to what end--is as important as its technical elegance.

Some of you non-technical types need to develop an open mind toward new technologies, and in some cases, towards new hams, period. What is difficult and arcane today will be routine tomorrow. The bugs will be worked out, or something better will take its place. That breathless kid will learn operating procedure, even if it isn't quite the same one you learned when *you* were a kid. You have a perfect right to prefer older technology or protocol, but don't put down something solely because you don't understand it.

Everybody who develops a "my radio-religion is holier than thine" attitude would do well to look at a few relevant passages from the international radio treaties, the Communications Act of 1934, and Part 97. You'll discover that advancing the radio art is one reason for amateur radio's existence. There's also public service. There's also international friendship. There's also the national benefit having a pool of trained operators and technicians. None of these reasons are given any greater importance than any other.

Frankly, I worry more about ham radio dying from factionalism and internecine warfare than from commercial frequency grabs or a new group of hams who don't know code. But there's hope. The countries of Western Europe, who warred for centuries, are actually getting it together into some kind of economic union. If they can stop squabbling, maybe so can we.

And in Eastern Europe, even more fundamental things are happening. Where did all those Czechs and Romanians and Soviets learn that there were other ways, greater prosperity, a better life? Why, from (obsolete) Amplitude Modulated broadcasts on the (obsolete) HF broadcast bands, often listened to on (obsolete) tube-type radios.

. . . and now Gorby is importing PC clones.

---Peter Klein, KD7MW, Seattle, WA
--
Peter A. Klein   Pacer Corporation
peter@pacer.uucp   ...!pilchuck!pacer!peter

From 9130837679563597823
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e7f50bd9139e6f17,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-23 22:00:24 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!decwrl!ucbvax!TECNET1.JCTE.JCS.MIL!mgb
From: mgb@TECNET1.JCTE.JCS.MIL
Newsgroups: rec.ham-radio
Subject: ANS: Communicator Class
Message-ID: <9007240236.AA13188@tecnet1.jcte.jcs.mil>
Date: 24 Jul 90 02:36:44 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 84
Posted: Tue Jul 24 03:36:44 1990

>> (Talking about Communicators on two meters)

swrinde!emory!wa4mei!ke4zv!gary@ucsd.edu (Gary Coffman) replies:

>Not exactly, in most parts of the country there is currently
>very little activity above two meters. By dumping the newcomers into the
>wasteland they will either fail or more likely form their own CB-like
>clubs to support their new repeaters.

I agree that in many parts of the country there are very few repeaters above two meters, and I don't have a snappy answer for that problem. You make a good point in that regard.. but let me says this. *IF* the new hams did have the guts and glory to put up a new machine I very much doubt that it would turn into a "CB like club".   If they put it up, the local (old timer) hams would flock to it like bees to honey, and the Communicators that put it up would gain instant recognition and a fair degree of respect.

>By ghettoizing them this way they
>will not receive the socialization needed to become mainstream hams.

May I politely object to your use of the term "ghettoizing"? The very word brings up very terrible images and I do not believe that it is fair to liken 220 or 440 Mhz to a ghetto. A virgin forest that is untouched by human hands that is full of promise and beauty is my view of it... not a GHETTO.

On the matter of socialization... I think you make a good point, but my only question is.... why hasn't anyone thought of doing the same thing for the Novices? Don't they need the same type of guidance, and in fact more so.. since they have always REALLY been the entry level hams? This point is so obvious, I can't help but imagine that someone else has thought of it before... yet it was never mentioned before this Communicator thing came up, and that makes me rather... well.... it makes me wonder.

>When I mentioned pioneers moving up frequency in my previous posting, I carefully noted that this is only happening where two meters is filling up. In most parts of the country this is not the case yet.

I understand, but in all honesty there are other reasons for "moving up" than simple overcrowding and disgust with current conditions. Some hams do it simply because "it's there". There are a LOT of people that think that way in my opinion.

>> Discussion of what we all really want for the Communicator Class deleted.

>I personally want several things from this restructuring but, primarily I want fairness. I admit that I am still bitter about 1968. I can never understand why I was required to demonstrate faster CW operation in order to regain some of the voice frequencies I enjoyed prior to 1968. In my opinion incentive licensing has been the biggest disaster for amateur radio. It created a divisive caste system that haunts us to this day. I want to bring hams back together instead of creating a new class of untouchables.

And a lot of people agree with you. I just don't happen to think that this new Communicator Class is the proper vehicle for your goals. If that is your desire, why not attack the problem at it's roots instead of at it's branches? I do see where you are coming from though, and can understand your feelings on the matter.

>I also want to see a lot of young hams come back into the hobby. As Phil Karn said, ham radio has been the start of a lifelong interest in electronics and high technology in general for many people. I count myself as one of those. I want a new generation of twelve year olds to experience the magic like I did.

Will the Communicator or Novice Class be more likely to do this? I know that the Com. Class will have no code.. but it will also have a pretty hard test (or at least it is supposed to). I still see the Novice as the basic entry level class... that is unless they do away with it.

>As for technical folks, I expect that they will be represented among the newcomers in about the same proportion as they are in the current ham population.

A truer statement was never made... at least in my opinion! Thanks for the nice answer Gary.

Mark Bitterlich

wa3jpy@wb4uou
mgb@tecnet1.jcte.jcs.mil

From -8740628567068375034
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2524b4556ece1844,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-23 22:03:39 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!sdd.hp.com!decwrl!
bacchus.pa.dec.com!deccrl!decvax.dec.com!shlump.nac.dec.com!ricks.enet.dec.com!
reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: Problem DX QSLs
Message-ID: <13766@shlump.nac.dec.com>
Date: 24 Jul 90 02:25:46 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 80
Posted: Tue Jul 24 03:25:46 1990

Hi,

Here is a list of DX stations I have sent return envelope/IRC's (sometimes dollars or more, but not often) to between January 27 and May 10, 1990, and have still not received cards in return. Managers are listed where applicable, otherwise direct. Comments are listed at the end. Anyone who has any insight as to how to obtain QSLs from these stations is welcome to send me mail with the pertinent info.

73, jim AD1C

1   7P8FC - DF3EC
2   5N0LRC
3   3W3RR
4   3D2XR, KH8/SM7PKK - SM7PKK
5   1A0KM - I0IJ
6   ZY0SS - NATAL (twice)
7   ZW0F - PY7ZZ
8   ZS8MI - ZS5E
9   ZS3UN/OH8DG - OH7XE
10   ZP0Y - LU8DPM
11   YI0BIF
12   XF4T - XE2TCQ
13   VK2SC
14   S01EA - EA2JG
15   PZ1DV
16   PY0FC - PY7XC
17   PY2TG/PY0 - PY2TG
18   LU1ZA - LU2CN
19   JT1KAI
20   EL7X

21   CO2JA
22   CE0OGZ
23   CE3/OH6VR, CE3/OH6NTO - OH6VR
24   AH3C/KH5J - OH2BN
25   A51JS - VK9NS
26   A41JR
27   A15AA - DJ6SI

Notes:

4. (SM7PKK) I expect Mat is still on or recovering from his trip.

6. (ZY0SS) I have sent IRCs and green stamps. One guy here reported receiving his card, and cards for other folks in the same envelope, and forwared them on. Maybe the guy who received my cards wasn't so nice.

8. (ZS8MI) Some folks have received cards, some haven't.

12. (XF4T) Derek, AA5BT, is still waiting. Anyone else?

14. (S01EA) Some folks have received cards from EA2JG for previous expeditions, some haven't. Wonder which bunch I'm in...

18. (LU1ZA) Other folks have received cards, and even I received a card for a QSO a few years ago. Just not this time.

19. (JT1KAI) I have never received a direct QSO from Mongolia. I heard neither IRCs or $$ work over there. Fortunately, I have my JT0DX cards now.

22. (CE0OGZ) My father has never received cards, yet Jim, K6ZH, has.

23. (CE3/OH6) They were supposed to be in Chile for a year or so.

25. (A51JS) Guess the cards are trickling in slowly.

27. (A15AA) Baldur is funny about cards. He sorts them approx. by how much money you send in. Since I only sent IRC's, I think I'm last in line (not counting the cards he receives via the buro, which he throws away).

=-=

"The opinions expressed here in no way represent the views of Digital
 Equipment Corporation."

James J. Reisert   Internet: reisert@ricks.enet.dec.com
Digital Equipment Corp.   UUCP: ...decwrl!ricks.enet!reisert
77 Reed Road
Hudson, MA 01749-2895

From 8817593135138450824
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,fe1482054b817262
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-23 22:20:07 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!zaphod.mps.ohio-state.edu!ncar!
ico!isis!nyx!whester
From: whester@nyx.UUCP (William R. Hester)
Newsgroups: rec.ham-radio
Subject: Re: Cellular telephone as emergency service?
Message-ID: <1641@nyx.UUCP>
Date: 23 Jul 90 16:47:07 GMT
References: <9007192350.AA07535@ucsd.edu>
Reply-To: whester@nyx.UUCP (William R. Hester)
Organization: Public Access Unix - University of Denver
Lines: 20
Posted: Mon Jul 23 17:47:07 1990

In article <9007192350.AA07535@ucsd.edu> faunt@CISCO.COM (Doug Faunt N6TQ 415-688-8269) writes:

>
>Do cellular nodes have emergency power? If so, for how long?
>Obviously some are at CO's and will be up for a long time, but what
>about my neighborhood site? Any "standard" answers?
>thanx, doug

Doug, I have had the opportunity to see the insides of one cell site... it runs on lead-acid stationary type battery bank. The bank is kept on a maintenance float charge with regular equalization charges. This is the "UPS" system that is typically used. Invertors are used to boost the battery voltage and convert to AC for special loads. The whole place has a full HVAC system for temperature control and intrusion detectors for security...all monitoring is done over the microwave link.

Bill, N0LAJ
P.S. the site engineer told me they could run for 24 hrs. on batteries, if the outage went longer they bring in a portable generator and plug it in to a receptacle on the side of the building.

From 2877522474002568734
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8ae1d8be28951b5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 08:58:41 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!sdd.hp.com!hplabs!hpda!hpcuha!nicholso
From: nicholso@hpcuha.HP.COM (Ron Nicholson)
Newsgroups: rec.ham-radio
Subject: CW procedure summary (long)
Message-ID: <22480008@hpcuha.HP.COM>
Date: 24 Jul 90 01:31:16 GMT
Organization: Hewlett Packard, Cupertino
Lines: 276
Posted: Tue Jul 24 02:31:16 1990

Hi,
I got more than a thousand lines of replies to my question about CW procedures, so the following is a more of a commentary than a full summary. Many referred me to the ARRL Operators Manual. However, my original set of questions came after I couldn't find an explanation of some heard-on-the-air procedures in the book. And even after all the replies I still have questions.

What CW procedures one uses depends a lot on things, including the experience of the operators, the signal conditions, and special circumstances like formal message traffic, contests or working a busy DX station. For casual contacts, CW procedures tend to be very informal.

My comments are aimed mostly at casual QSO's for novice operators (or other new operators; there are a few people here who got Advanced or Extra Class licenses before ever getting on the air.)

- ? or QRL? or QRL? DE KK6MP

  Always, always, check to see if the frequency is in use before calling CQ. Sending the callsign is legally correct, but is longer and more likely to tromp on a QSO in progress.

  Question: what should I do when I need to tune up on the air before transmitting the QRL? (e.g. setting up an antenna tuner or testing a new antenna)?

- CQ CQ CQ DE KK6MP KK6MP KK6MP K

  Never end a CQ call with a KN - it's an self contradictory.

- KK6MP KK6MP DE N6YWU N6YWU AR or
  KK6MP DE N6YWU K

  AR is a more formally correct, but K is widely used.
  Novices appreciate a second chance to copy the callsigns.
  In busy situations, you can just send your callsign.

- N6YWU DE KK6MP (R or R R R or FB) ...

  One R after the callsign seems most formally correct.
  Only send an R if you copied everything solidly and don't need a repeat of any information.
  SOLID CPY means the same.
  R R R is redundant, but useful in poor signal conditions.
  R R R before the callsigns is heard often in Novice bands.
  R FB is redundant, but also heard frequently.
  FB indicates approval of something the other guy said.
  OK indicates that you at least copied the general meaning.

  But what do you send if you didn't copy everything?
  - a) if you don't plan on asking for a repeat?
  - b) if you missed something specific, like a name?
  - c) if you want some unknown information repeated?

- UR RST IS (579 or 579 579 or 579 57N)

  N is a "cut number" abbreviation for 9

Whether to send the signal report twice depends on signal conditions and the experience of the operators. In novice bands I usually hear it sent twice, the second time using a cut number for 9. Experienced operators seem to send the RST only once.

- periods vs. BT as punctuation
  BT is used as an informal pause or break in thought.
  BT BT   means you   need   time   to think.
  Periods are preferred when transcribing from printed text.
  Commas and periods are often used when sending your QTH
  ... UR RST 599 BT QTH IS CUPERTINO, CA. NAME IS ...

- what to send?
  In a typical novice QSO, first send the signal report, QTH and name. Often I hear everything repeated twice, either because of signal conditions or to give the novice on the other end a second chance to copy.
  Many QSOs begin with   TNX FR UR CALL BT ...

- how to turn over the QSO to the other guy.
  ... BT HW CPY? N6YWU DE KK6MP (K or KN)
  ... AR N6YWU DE KK6MP (K or KN)
  ... DE KK6MP K
  ... KN
  ... BK

  K   tells the other guy to go ahead
  KN means you don't want anyone else to break into your QSO, but just K seems to be used more often.
  Asking HOW COPY? seems to be a common practice on the novice bands.
  AR is a more formal way to separate the body of the QSO from the callsigns.
  If the exchanges are taking close to 10 minutes you need to send your callsign every time to be on the safe side. Both callsigns used to be required, but now you only have to send your own. (unless handling 3rd party traffic.)
  When going back and forth quickly you can use BK which means break, back, or back to you. One respondent said that BK TU is redundant. Another respondant says that BK by itself isn't that good of an indicator that you're turning it over. Comments?

- concluding a QSO
  ... 73 SK N6YWU DE KK6MP   is formally correct, but
  ... 73 N6YWU DE KK6MP SK   seems more often used.
  ... 73 AR N6YWU DE KK6MP SK is also used.
  ... 73 DE KK6MP SK   is short.

  After both stations sign clear with SK other stations are free to call.

  ... SK {callsigns} CL   means you going off the air even if there are other stations calling.

- ending with dit dit
  a quasi-legal way to say you were still around to hear the
  other persons final call.
  on novice bands you hear
  ==> dit dit-dit-dit dit
  <== dit dit   (shave & a haircut, 2 bits)

- abbreviations
  Experienced hams use *lots* of abbreviations.
  Don't use a lot of abbreviations with new Novices.
  My list of abbreviations most often heard :

AGN	-again.	BK	-break, back.
C	-yes, correct.	CL	-closing station.
CUL	-see you later.	ES	-and.
FB	-fine business.	HI	-telegraphers laugh.
HR	-here.	PSE	-please.
RPT	-repeat.	SRI	-sorry.
TNX	-thanks.	TU	-thank you.
WX	-weather.	73	-best regards

QRL? - Is this frequency in use?
QRZ? - Is someone calling me? or I didn't get your callsign.
QSO - what you're doing when your contacting someone on the air.
QTH - my location ...
QRT - going off the air.
QSL - has 2 meanings
  1) I will send a QSL card.
    WILL QSL VIA BURO
  2) I received that piece of information correctly.
    (field day contest exchange)
    ==> KK6MP TU 1A WV BK
    <== DE KK6MP QSL 1A WV TU 1D SCV BK
    ==> QSL 1D SCV TNX QRZ DE W#XXX K
QRS - Send more slowly, I can't copy that fast.
QRM, QRN, QSB
  - various problems receiving your signal.
QRP - I'm only running a couple watts.

====
Some contributed examples follow (edited for consistancy in format) :

1)
==== from: jimm%gvgadg.gvg.tek.com@RELAY.CS.NET

->   CQ CQ CQ DE N6YWU N6YWU N6YWU CQ CQ CQ DE N6YWU N6YWU N6YWU
CQ CQ CQ DE N6YWU N6YWU N6YWU K

<-   N6YWU DE K9JM K9JM K

->   K9JM DE N6YWU R FB OM TNX FOR CALL UR RST IS 599 599 HR IN
CUPERTINO CA CUPERTINO CA NAME IS RON RON HW CPY? K9JM DE N6YWU K

<-   N6YWU DE K9JM R FB RON UR RST IS 599 599 IN GRASS VALLEY CA
     GRASS VALLEY CA NAME IS JIM JIM BT RIG HR KENWOOD TS940S ANT
     DIPOLE UP 40M HW CPY? N6YWU DE K9JM K

->   K9JM DE N6YWU R FB JIM WELL GOTTA HIT THE RACK NICE SIG FROM GRASS
     VALLEY 73 ES CUL K9JM DE N6YWU SK

<-   N6YWU DE K9JM R WILL LET U SLEEP 73 ES CUL N6YWU DE K9JM GN

->   DIT DIT

2)
==== from: rlwest@flopn2.csc.ti.com
REMEMBERING that the PROSIGNS, BT AR SK AS KN, are run together as
one character, =***= not =*** =, etc.

-> CQ CQ CQ DE WA8YCD WA8YCD WA8YCD K

<- WA8YCD DE KY2D K

-> KY2D DE WA8YCD R TNX FER CALL BT
    UR RST 589 BT
    QTH MORGANTOWN, WV BT
    NAME BOB BT
    RIG HR IS DRAKE TR4C ES ANT DIPOLE UP 34 FEET BT
    WX HR IS SUNNY AND WARM, TEMP ABT 80 DEGREES BT
    JUST THOT I WUD SEE WATS ON THE BAND THIS MORNING HI HI
    SO WAT SA? N2EFG DE KA1BCD K

    etc....

3)
==== from: depolo@eniac.seas.upenn.edu
Short DX QSO:

->   CQ CQ CQ DX CQ CQ CQ DX DE N3KZ N3KZ N3KZ AR K

<-   N3KZ N3KZ DE VK3AO VK3AO VK3AO AR

->   VK3AO DE N3KZ - GM - NAME HR IS JEFF ES QTH IS PHILADELPHIA -
     UR RST IS 5NN. HW CPY? VK3AO DE N3KZ K

<-   N3KZ DE VK3AO R R R FB JEFF -
     NAME HR IS LEO ES QTH IS TOWN OF JONESVILLE -
     3 KM INLAND - UR RST IS 5NN ALSO. WX HAS BIN HOT HR LATELY,
     NO RAIN IN SIGHT.
     RIG IS KENWOOD TS440 ES ANT IS 3 EL TRIBANDER AT 10 M.
     BK TO U.
     N3KZ DE VK3AO K

->   VK3AO DE N3KZ FB LEO. RUNNING KENWOOD 440 ALSO ES DIPOLE AT 15 M.
     ENJOYED THE QSO AND HOPE TO CHAT AGAIN. 73 VK3AO DE N3KZ K

<-   N3KZ DE VK3AO FB ENJOYED IT LIKEWISE. ALL THE BEST TO YOU AND YOURS.
     73 DE VK3AO dit-dit-dit-dit-dit

->   dit-dit
<-   dit-dit (optional)

4)
==== from: sawyer@twg.com

```
VERY VERY RARE (e.g. 3Y)   a LITTLE RARE (e.g. JT)      Not RARE
------------------------   -----------------------      --------
->   QRZ? de 3Y5X              ->  QRZ? de JT1AB     -> QRZ? de JA1NUT
<-   AA6KX                     <-  AA6KX             <- JA1NUT de AA6KX   K
->   AA6KX 5NN                 ->  AA6KX 5NN         -> {start of ragchew}
<-   T U 5NN                   <-  BK de AA6KX ...   <- {continue ragchew}
->   QRZ? de 3Y5X                  ur sig rst ___
                                   op Bruce
                                   QTH nr SFO
                                   BK
```

5)
==== from: chowe@BBN.COM
a quick contest style QSO:

->   CQ CQ CQ DE KC1UF KC1UF K
<-   KC1UF DE WG1V AR
->   WG1V DE KC1UF UR 5NN IN STOW MA. OP IS CARL. KN
<-   R UR 5NN IN BOSTON. NAME DOUG. 73 DE WG1V SK
->   73 DE KC1UF SK

6)
==== from: depolo@eniac.seas.upenn.edu
Contest contact (we'll use field day):

->   CQ FD CQ FD CQ FD DE N3KZ N3KZ N3KZ AR K
<-   N3KZ DE N1AOP K
->   DE N3KZ 2A EPA 2A EPA 2A EPA K
<-   DE N1AOP 1D CT 1D CT 1D CT K
->   QSL TNX QRZ FD DE N3KZ AR K

7)
==== from: rlwest@flopn2.csc.ti.com
BTW, "CQ TEST" has come to mean "CQ CONTEST", not TEST as in experiment.

->   CQ FD CQ FD DE WA8YCD WA8YCD K
<-   WA8YCD DE KY2D K
->   KY2D DE WA8YCD TU 1A WV BK
<-   DE KY2D QSL 1A WV TU 2A NNJ BK
->   DE WA8YCD TU GL TEST SK

====
Thanks to:

WG1V, N3HBZ/AA, WV0F, K9JM, NK2D, WA8YCD, W1XE, KF0CA,
N8HSC, AA6KX, KB6CSP, N6BIS, AD1C, N6YMK @ K6VE, NB4M,
taber@ultnix.enet.dec.com (Patrick Taber), gtb@druco.ATT.COM (BiekshaGT),
and john@frog.UUCP, perry@hpfcdc.HP.COM
for their contributions and replies.

====
KK6MP/N6YWU
Ronald H. Nicholson, Jr.   Hewlett Packard
uucp: nicholso@hpda.HP.COM   Cupertino, CA
(408) 447-6603   #include <canonical disclaimer>

From 2323183935654597471
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1cde0d2667774611,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 08:58:53 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!sdd.hp.com!hplabs!hpda!hpcuha!nicholso
From: nicholso@hpcuha.HP.COM (Ron Nicholson)
Newsgroups: rec.ham-radio
Subject: battery questions
Message-ID: <22480009@hpcuha.HP.COM>
Date: 24 Jul 90 01:33:06 GMT
Organization: Hewlett Packard, Cupertino
Lines: 17
Posted: Tue Jul 24 02:33:06 1990

Hi,

More questions...

I've got an Icom 24AT. It comes with a NiCad battery pack. How do I tell when I need to charge the batteries? How long do I need to charge the batteries for? (The manual says 15 hours regardless of battery pack size.) How do I know how much battery life I have left when in the field?   Does the unit just die when the batteries run out or what? How long can I store a charged up spare battery pack?

Thanks,
====
KK6MP/N6YWU
Ronald H. Nicholson, Jr.   Hewlett Packard
uucp: nicholso@hpda.HP.COM   Cupertino, CA
(408) 447-6603   #include <canonical disclaimer>

From -2262035739930152286
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 10:21:04 PST

Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!mips!wdl1!engle
From: engle@wdl1.wdl.fac.com (David Engle)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <3300001@wdl1.wdl.fac.com>
Date: 24 Jul 90 17:21:04 GMT
References: <13686@shlump.nac.dec.com>
Lines: 55
Posted: Tue Jul 24 18:21:04 1990

Well, I am glad to see this discussion has not disintegrated into the usual code/no-code arguments. There had been some progress, at least all the arguments now assume some form of no code license.

In the latest (August) CQ magazine Fred Maya (W5YI) talks about other countries experiences with various classes of licenses. He makes several good points about most issues that heve been discussed here. I recommend the article to all the combatants. Two interesting points he makes are: 1) the US has more classes of licenses than any other country, and 2) we US hams should do something to help relieve the work load of the FCC in supporting our needs (licensing and administration).

Fred makes a valid argument that the US ham population could be served by 4 classes of licenses.
1) All HF bands, all VHF/UHF bands, all test elements, 15 wpm code,
2) Some HF bands, all VHF/UHF bands, all test elements, 5 wpm code,
3) All VHF/UHF bands, all test elements, no code,
4) Some VHF/UHF bands, some test elements, no code.
While some arguments can be made over the testing requirements, on the whole this seems a pretty good plan.

Now for my opinions. One of the problems with the current scheme is the call sign recognition of achievement avaliable ("badges" so to speak). So, if necessary to keep the current Extra (and maybe advanced) classes happy allow another testing element (code or theory, your choice) and the only "privilege" you get is a call sign assignment from a select group. Say normally assign 2x3 calls to the all classes and allow the "chosen" to get a call (FCC assigned, not you pick 'em) from the 1x2, 2x1, 2x2, 1x3 call sign groups.

In fact, maybe the FCC could be talked into allowing you pick 'em call assignments if the amateur community could reduce the paper work load by recucing the number of classes of licenses. Now that would be an interesting conflict for the OFs. We get to pick our calls but open the licensing and priveleges. Hmmmm, how about:
1) All bands, pick ur own call, all test elements, 15 wpm code and either a 20 wpm code test or another theory test.
2) All bands, assigned call, all test elements, 15 wpm code.
3) No HF, all VHF/UHF, assigned call, all test elements, no code.
4) Minimal HF, minimal VHF/UHF, assigned call, some test elements, no code.
an individual could hold 3 and 4 at the same time and maybe even have two calls as a result (the idea is to reduce the FCC work load here).

Give the new classes new names too, dont try to sort the old names. Just use class A, B ,C,and D. Makes it easy to figure out precedence.

Well that should cover it for now.

Regards, Dave KE6ZE (an extra class licensee)

David Engle, KE6ZE - engle@wdl1.wdl.fac.com - 408/473-4419 @ Ford Aerospace
Facts, what facts. I don't got to show you no stinking facts. These are opinions expressed here. "Any clod can have the facts, its an art to have an opinion" Herb Caen, SF Chronicle.

From 9154691076502170808
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3cf526736023dcad
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 11:02:09 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!sdd.hp.com!hp-pcd!hplsla!charlier
From: charlier@hplsla.HP.COM (Charlie Panek)
Newsgroups: rec.ham-radio
Subject: Re: World game results, anyone?
Message-ID: <5720076@hplsla.HP.COM>
Date: 24 Jul 90 18:02:09 GMT
References: <7120129@hpcupt1.HP.COM>
Organization: HP Lake Stevens, WA
Lines: 38
Posted: Tue Jul 24 19:02:09 1990

Well, I don't know why you got that info, but I was at the awards ceremony last night on Blake Island, and watched the gold, silver and bronze medals get handed out.

Gold: K1AR and K1DG
Silver:K7JA and W9RE
Bronze:KQ2M and KR0Y

I guess I'm not surprised that preliminary info about the 3rd place team may have been incorrect, because as of last night, the judges were still going through the logs to determine everyone else's standings.

Many there were a bit surprised at the clean sweep of the medals by the US teams, although it was apparent right after the contest that AR and DG where way out in front. One interesting note: the top two teams, AR/DG and JA/RE were only 8 blocks apart during the contest. Probably the closest spaced of all the contestants. K1AR mentioned that they never had any problem knowing how Mike and Chip were doing. In fact John said that at one point he told DG that they were behind, and Doug just picked up the pace a bit, and pulled ahead.

When I hear the final scores for all the contestants, I'll post them.

P.S.: Re the scoring for the WG stations: It's based on a 'curve' i.e. the team with the greatest CW QSO total gets 100 points, the team with the greatest Phone QSOs gets 100 points, and those with the greatest number of multipliers or 'counters' gets 100 points. The others scores in each of these categories is ratioed to that 100 points. The winners, above, had the greatest total score, i.e. CW plus phone plus counters, with the greatest possible score being 300.

There was a special award for the highest CW score, won by the German team, DL5XX and DJ6QT.

Charlie Panek (UUCP: hplabs!hp-pcd!hplsla!charlier)
KX7L   (domain: charlier%hplsla@hplabs.hp.com)

From -3894997760958296722
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 13:39:31 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: Wayne and Byte...
Message-ID: <73@thoreau.nsc.com>
Date: 24 Jul 90 12:30:32 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com>
<926@ssc.UUCP>
Organization: National Semiconductor, S. Portland, Maine
Lines: 9
Posted: Tue Jul 24 13:30:32 1990

In article <926@ssc.UUCP>, tad@ssc.UUCP (Tad Cook) writes:
> He claimed ... a succesfull businessman, engineer, etc,

And do I need to remind all of you what happened the last
time we had a "successful buisnessman, engineer" at the
helm of this country??

Ron

From -7985953826948762645
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,715d6eeafa9a84ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 13:39:42 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio

Subject: Re: Communicator License Frequencies
Message-ID: <74@thoreau.nsc.com>
Date: 24 Jul 90 12:37:13 GMT
References: <9007190347.AA12165@cmr.ncsl.nist.gov>
<1990Jul22.052747.29459@bellcore-2.bellcore.com>
Organization: National Semiconductor, S. Portland, Maine
Lines: 3
Posted: Tue Jul 24 13:37:13 1990

Isn't 20 meters spread spectrum!!?

Ron

From 767119328362234O636
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,35fc93151f5d0b40,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 14:10:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!ucsd!swrinde!zaphod.mps.ohio-state.edu!samsung!cg-atla!raybed2!ewb
From: ewb@raybed2.msd.ray.com (EUGENE BALINSKI)
Newsgroups: rec.ham-radio
Subject: 73 Mag changes flavor
Keywords: New Editor
Message-ID: <1687@raybed2.msd.ray.com>
Date: 24 Jul 90 21:10:39 GMT
Organization: Raytheon Co., Tewksbury, Mass.
Lines: 26
Posted: Tue Jul 24 22:10:39 1990

As you may have noticed 73 Magazine has a new editor Bill Brown WB8ELK. There have been some suttle changes to the magazine in the positive light, especially in the ATV area. Bill is responsible for these. Thare are more coming as well. You may say that Wayne Green's column is as bad as ever, however THE EDITOR HAS NO CONTROL OVER WAYNE'S COLUMN so Bill is not to blame for that

If you like the changes to the mag, Bill has to know NOW. Rumor is that Wayne is not real happy with some of the changes. Also if you have any suggestions on what you would like to see more of/less of let Bill know. This could be your chance to infulence a major ham publication. We need all the good pubs we can find now that HR is gone.

73
Gene WA1UXA

73's phone number is 603-525-4201.

U.S. Mail address:
73 Magazine
c/o WGE Publications

Forrest Road
Hancock, New Hampshire 03449

Rumor also has it they are on one of the commercial mail nets !!

From 597466813003084064
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,194e37cf349fb2f4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,194e37cf349fb2f4,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-24 14:21:03 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!ramanath
From: ramanath@unix.cis.pitt.edu (J Ramanathan)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Venturer Multiband Receiver
Keywords: haverhills, atlantic ad
Message-ID: <26179@unix.cis.pitt.edu>
Date: 24 Jul 90 14:06:43 GMT
Organization: Univ. of Pittsburgh, Computing & Information Services
Lines: 23
Xref: gmdzi rec.radio.shortwave:1669 rec.ham-radio:13160
Posted: Tue Jul 24 15:06:43 1990

Does anyone out in net-land know anything about the Venturer Multiband Receiver from Haverhills? I saw their ad in the Atlantic magazine recently, and it looked attractive. Here are the details of the receiver:

Venturer Multiband Receiver - $99.95 (Three for $199.90!)
AM/FM, shortwave & ham radio bands (4 to 12 mHz), TV-radio channels 2 to 13, U.S. Weather Bureau reports, police, fire, ships and civil defense news, aircraft band, and all 40 channels of CB band. 110-volt supply or 12-volt D.C. source/battery.

I'm looking for a shortwave radio, and would like to hear your comments about this Venturer set.

-jay

Jayaram Ramanathan
ramanath@unix.cis.pitt.edu
Graduate School of Business / University of Pittsburgh / Pittsburgh / U.S.A.
--
Jayaram Ramanathan
ramanath@unix.cis.pitt.edu
Graduate School of Business / University of Pittsburgh / Pittsburgh / U.S.A.

From -3388902285325306656
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,4b068affc1b8c865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 14:22:41 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!umich!pmsmam!wwm
From: wwm@pmsmam.uucp (Bill Meahan)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio's value (Was: Re: Communicator Class)
Message-ID: <1990Jul24.124604.368@pmsmam.uucp>
Date: 24 Jul 90 12:46:04 GMT
References: <7880189@hpfcdc.HP.COM> <55993@microsoft.UUCP> <326@pacer.UUCP>
Reply-To: wwm@pmsmam.UUCP (Bill Meahan)
Organization: Ford Motor Co EFHD Ypsilanti Plant, Ypsilanti MI
Lines: 6
Posted: Tue Jul 24 13:46:04 1990

All I can add is a hearty AMEN!!!!!
--
Bill Meahan WA8TZG   uunet!mailrus!umich!pmsmam!wwm
I don't speak for Ford - the PR department does that!

Any attempt at wit is liable to offend _somebody_!

From 1463942124197719495
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 14:24:21 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
XEROX.COM!"hugh_davies.WGC1RX"
From: "hugh_davies.WGC1RX"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Qualification-based licensing
Message-ID: <900724-020327-19183@Xerox>
Date: 24 Jul 90 07:57:26 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11
Posted: Tue Jul 24 08:57:26 1990

Brian Kantor says;

<...There should be only two classes of ham license: one has a minimal code
requirement to satisfy international treaty and allows operation below
30 MHz; the other doesn't. Both have questions on regulations,
procedures, and technical matters to ensure that the applicant is
competant to install, operate, and maintain a ham radio station...>

Hear, hear!! Just like the U.K.

Hugh Davies, G0CNR.

From 4585134552766614875
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 14:24:40 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!XEROX.COM!"hugh_davies.WGC1RX"
From: "hugh_davies.WGC1RX"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Airwave Wars
Message-ID: <900724-020224-19182@Xerox>
Date: 24 Jul 90 07:46:19 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Tue Jul 24 08:46:19 1990

<...This is the U.S.A., this country has the best
]equipped Emergency services and Armed services in the world...>

Ha, ha, ha, ha, ha.

"Most" equipped, certainly; but best? Never.

Hugh Davies, G0CNR.

From -5809724974942761518
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5c82c07be4ca81c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 14:38:39 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: Communicator Frequencies
Message-ID: <75@thoreau.nsc.com>
Date: 24 Jul 90 12:54:01 GMT
References: <9007201131.AA14956@cmr.ncsl.nist.gov> <26114@usc.edu>
Organization: National Semiconductor, S. Portland, Maine
Lines: 5
Posted: Tue Jul 24 13:54:01 1990

Consider what modes and practices the communicator class will
be using.

Ron

From 330984982241355314
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7b2752a2d91a67a1

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 14:41:58 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!cs.utexas.edu!rutgers!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters, Communcator, et al
Message-ID: <38842@cci632.UUCP>
Date: 24 Jul 90 13:18:23 GMT
References: <1721JKOSS00@RICEVM1> <30500608@ux1.cso.uiuc.edu> <1990Jul23.202158.7375@bellcore-2.bellcore.com>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 28
Posted: Tue Jul 24 14:18:23 1990

In article <1990Jul23.202158.7375@bellcore-2.bellcore.com> KA9Q writes:
>The proper way to use PL is to assign a common tone frequency to all
>the systems in a given area, and to assign different tones to each of
>the other, nearby metropolitan areas where the RF channels are reused.
..
>Phil

On Long Island (where I lived before college), this approach is taken: if a repeater has PL, it's probably using the "Long Island" tone. This is necessary beacuse of the radio proximity to Connecticuit. I offer that it is a good idea to do this, because the repeaters are still seen as "open" and everybody knows about it. (The only guys who are mad are the ones with IC-2AT's and other non-PL radios).

Tropo is pretty hairy down there during the summer, too :-) I once had a conversation on 146.52 FM between Long Island and North Carolina, using 30 watts. Last summer, most nights after sunset I could bring up at least 2 (and often 3) repeaters on 147.180 -- Naugatuck, Conn., one in central New Jersey, and occasionally one with a 1-call that I was told is somewhere near the MASS-NH-VT lines. I wonder if the L.I. sound has much to do with this?

Chris/WZ2B

Christopher E. Piggott, WZ2B (ex-N2JGW)
Computer Consoles, Inc. (an STC company) Rochester, NY
cs.rochester.edu!cci632!ccird7!cep or uunet!ccicpg!cci632!ccird7!cep

From -6976736283872515177
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2524b4556ece1844
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 14:42:28 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!ricks.enet.dec.com!reisert

From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: Re: Problem DX QSLs
Message-ID: <13801@shlump.nac.dec.com>
Date: 24 Jul 90 14:36:56 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 17
Posted: Tue Jul 24 15:36:56 1990

In article <13766@shlump.nac.dec.com>, I wrote...
>
>12. (XF4T) Derek, AA5BT, is still waiting. Anyone else?

Oops, I meant Jim, KR1S is still waiting. Sorry, Derek.

jim, AD1C

=-=

"The opinions expressed here in no way represent the views of Digital
Equipment Corporation."

James J. Reisert   Internet: reisert@ricks.enet.dec.com
Digital Equipment Corp.   UUCP: ...decwrl!ricks.enet!reisert
77 Reed Road
Hudson, MA 01749-2895

From 8533622005700869104
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11544f,e137aee94f1ab3a
X-Google-Attributes: gid11544f,public
X-Google-Thread: 10c9e3,715d6eeafa9a84ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 14:59:11 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: 1 Watt License Free (was Re: Communicator License Frequencies)
Message-ID: <930@ssc.UUCP>
Date: 24 Jul 90 04:21:03 GMT
References: <9007190347.AA12165@cmr.ncsl.nist.gov>
<1990Jul22.052747.29459@bellcore-2.bellcore.com>
Organization: SSC, Inc., Seattle, WA
Lines: 19
Posted: Tue Jul 24 05:21:03 1990

In article <1990Jul22.052747.29459@bellcore-2.bellcore.com>,
karn@thumper..bellcore.com (Phil R. Karn) writes:
>
> It'll be most interesting to see how the Part 15 stuff at 900 MHz works
> out.

15.247 includes 2400-2483.5 and 5725-5850 Mhz in addition to 902-928 Mhz.
[Gee, isn't this N8DGN's exclusive territory ?] :-)

Summary:
  Spread Spectrum
  Either frequency hopping (minimum 75 frequencies, >= 25 Khz seperation,
         bandwidth < 25 Khz, time of occupancy on any freq. < .4 seconds
         in any 30 second interval)
  Or   Direct sequence with minimum 6 dB bandwidth of 500 Khz.

  1 watt (with a warning that this may be lowered if the current power
     level causes problems)

markz@ssc.uucp

From -4745316219940358338
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2524b4556ece1844
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 15:18:59 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!
e2big.mko.dec.com!decuac!ufp.dco.dec.com!murphy
From: murphy@ufp.dco.dec.com (Rick Murphy)
Newsgroups: rec.ham-radio
Subject: Re: Problem DX QSLs
Message-ID: <3166@decuac.DEC.COM>
Date: 24 Jul 90 15:11:33 GMT
References: <13766@shlump.nac.dec.com>
Sender: guest@decuac.DEC.COM
Reply-To: murphy@ufp.dco.dec.com
Organization: Digital Equipment Corporation, Landover MD
Lines: 29
Posted: Tue Jul 24 16:11:33 1990

|> 4   3D2XR, KH8/SM7PKK - SM7PKK
KH8/SM7PKK was received last week. Patience (your later note mentions that you
know that Mats needs time to recover.)
|> 6   ZY0SS - NATAL (twice)
I had to send a REGISTERED LETTER. Responded in 3 weeks. (with an apology that
they hadn't gotten the earlier cards.)
|> 8   ZS8MI - ZS5E
Still waiting.
|> 16   PY0FC - PY7XC
Responded quickly for me. You might want to try again.
|> 18   LU1ZA - LU2CN
Took a while, but I did get the card.
|> 22   CE0OGZ
Still waiting.
|> 27   A15AA - DJ6SI
Received yesterday. Sent with a green stamp.

My most interesting one was 3X0A/A. Finally got a card from his manager last
week - 18 months!
Send me mail if you want details of when sent and postage type for the ones
I managed to get back.
-Rick

Rick Murphy, WA1SPT/4 Digital Customer Center, Landover, MD
Domain: murphy@ufp.dco.dec.com -or- murphy@ufp.enet.dec.com
Bang: decwrl!ufp.dco!murphy -or- decwrl!ufp.enet!murphy
Ding: (301) 306-2985
Disclaimer: This nonsense came from an AI program written in TECO. Ignore it.

From -2568907100993672614
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5c82c07be4ca81c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 16:38:28 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!
math.lsa.umich.edu!spsd3260a.erim.org!hideg
From: hideg@spsd3260a.erim.org (Steve Hideg)
Newsgroups: rec.ham-radio
Subject: Re: Communicator Frequencies
Message-ID: <1990Jul24.164648.27807@math.lsa.umich.edu>
Date: 24 Jul 90 16:46:48 GMT
Sender: usenet@math.lsa.umich.edu
Organization: ERIM
Lines: 22
Posted: Tue Jul 24 17:46:48 1990
References:<9007201131.AA14956@cmr.ncsl.nist.gov>
<1990Jul20.183601.21501@bellcore-2.bellcore.com>

In article <1990Jul20.183601.21501@bellcore-2.bellcore.com>
karn@envy.bellcore.com (Phil R. Karn) writes:
> The fact that 220 and 70cm
> are almost dead outside of major metropolitan areas ("dead", in that
> they're much less heavily used PER CAPITA) is convincing proof that
> the most effective way to encourage use of the upper bands is to
> increase the density of the amateur population.

Ah, but wouldn't the vast majority of Communicators live in major
metropolitan areas?

Gee, maybe we can issue 2m privileges to Communicators who don't
live near civilization. Geographic privileges! ;-)

Not a flame...just an observation. I am undecided about this
issue myself.

--Steve

____
Steve Hideg (N8HSC)

hideg@spsd3260a.erim.org

From -8857860409397975675
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,13e57d7b5df26360,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 17:57:36 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!gate.oxy.edu!oxy!d.reeves
From: d.reeves@oxy.edu (Bryan Douglas Reeves)
Newsgroups: rec.ham-radio
Subject: Communicators and 2m, status of the hobby
Message-ID: <104166@tiger.oxy.edu>
Date: 24 Jul 90 15:28:59 GMT
Organization: Occidental College, Los Angeles, CA 90041
Lines: 46
Posted: Tue Jul 24 16:28:59 1990

About the Communicator Class liscense comments which have been flying about the net:

1. Living in the LA valley will put a diferent perspective on what you think 2m crowding is. There are lots of repeaters out here, And several of them serve good purposes (CHP traffic, Seismology nets, "dedicated" rag-chew machines). But the amazing thing is that so many of them are always dead, or have VERY unfriendly opperators on them. However, very few of them use PLs (aka CTCSS).
   And further,
   there haven't been any coordinated frequencies avaiable here for sale in a while. Thus, we have lots of unused repeaters and wasted bandwidth.

2. 440 is an option. Yes, outside of major metro areas, there are few 440 machines, and they are expensive to get going (we just got the W6UE, Caltech ARC machine up and running, yea!). When 2m runs out of space (as it has here in LA), people WILL move up in frequency (is this the same as moving up in the world? :-). However, in some major Metro areas, even 440 is full - we were lucky to get a coordinated freq.!

3. Incentive licensing for the sake of incentive licensing must go.

4. The Ham population must become younger if the service is to survive, or it must change its attitude about persons under 35 getting involved in our hobby. I got my ticket when I was 19, and the attitudes of many hams has been most frusturating, as I am both a college student AND under 25 - there seems to be an attitude that I couldn't possibly be a good ham, or technically compitent when dealing with RF, DC, mechanicals, etc.

So what do we need to do? Allow communicators 2m? Probabally.
Change the way frequencies are coordinated? Absolutely.

Not make an Extra-class ticket a prize? Probabally.
Expand radio in colleges/universities (even high schools)? Yep.

I've thought long and hard about what I've said, and I say it because I
am concerned for the future of the hobby. Feel free to respond and/or
flame me, as my opinion is by far the only one.

73s, de N6XHW, BDR

B. Douglas Reeves (N6XHW)   D. Reeves@oxy.edu (Internet, of course!)
(213)-259-2880   (ma Bell) 1600 Campus Rd., La, Ca, 90041 (USnail)
"Cogito, ergo es."   Occidental College Computer Center/Networking

---

From -3058878249996563800
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1cde0d2667774611
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 18:01:05 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pt.cs.cmu.edu!rochester!
kodak!eastman!kodak.com
From: harding%b56vxg.dnet@kodak.com (Jon Harding x75944 mc23302)
Newsgroups: rec.ham-radio
Subject: Re: battery questions
Message-ID: <1279@eastman.UUCP>
Date: 24 Jul 90 15:41:40 GMT
Sender: news@eastman.UUCP
Organization: Eastman Kodak Company, Rochester NY
Lines: 21
Posted: Tue Jul 24 16:41:40 1990

In article <22480009@hpcuha.HP.COM>, nicholso@hpcuha.HP.COM (Ron Nicholson)
writes...
>Hi,
>
>More questions...
>
>I've got an Icom 24AT. It comes with a NiCad battery pack. How do I
>

Me too! Great radio! The display flashes when you're about exhausted.
I bought extra batteries to use when this happens. My experience (20yrs)
with NiCds is that they should be used until exhausted (_not_ flat) and then
slow charged at about 10% of Ah rating for 10 to 15 hrs (depending on who
you listen to - NiCd maintenance has a religious aura around it) for
maximum life. Fast charging is OK but IHMO the cells die sooner when fast
charged a lot. ICOM suggests replacing batteries after 300 recharges. Other
vendors say that NiCds can be recharged 1000 times. Leaving a battery on a
charger longer than it take to recharge creates nothing but extra heat and
a shorter life for the battery.

Jon Harding N2KZJ "I don't represent KODAK in word or deed."

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-------------------------------------------------------------------------------


From -1042013766655853478
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 18:18:06 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!samsung!rex!rouge!pc!jpd
From: jpd@pc.usl.edu (Dugal James P.)
Newsgroups: rec.ham-radio
Subject: Re: Wayne and Byte...
Keywords: SATIRE
Message-ID: <12060@rouge.usl.edu>
Date: 24 Jul 90 18:19:47 GMT
References: <1990Jun25.150137.27983@dg-rtp.dg.com> <926@ssc.UUCP>
<73@thoreau.nsc.com>
Sender: anon@rouge.usl.edu
Organization: Univ. of Southwestern La., Lafayette
Lines: 13
Posted: Tue Jul 24 19:19:47 1990
Originator: jpd@pc.usl.edu

In article <73@thoreau.nsc.com> rtodd@thoreau.nsc.com (Ron Todd) writes:
>And do I need to remind all of you what happened the last
>time we had a "successful buisnessman, engineer" at the
>helm of this country??

How about the last time we had an octogenarian as president?
Or, the last time we had a dog owner as president?
Kind of silly to generalize in this manner, don't you think?
--
-- James Dugal,    N5KNX         Internet: jpd@usl.edu
Associate Director     Ham packet: n5knx@k5arh
Computing Center       US Mail: PO Box 42770  Lafayette, LA  70504
University of Southwestern LA.   Tel. 318-231-6417  U.S.A.


From 3244510284232842609
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,194e37cf349fb2f4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,194e37cf349fb2f4
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-24 18:20:35 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!
unix.cis.pitt.edu!ramanath
From: ramanath@unix.cis.pitt.edu (J Ramanathan)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Venturer Multiband Receiver
Keywords: haverhills, atlantic ad
Message-ID: <26194@unix.cis.pitt.edu>
Date: 24 Jul 90 18:10:11 GMT
```

References: <26179@unix.cis.pitt.edu>
Reply-To: ramanath@unix.cis.pitt.edu (J Ramanathan)
Organization: Univ. of Pittsburgh, Comp & Info Services
Lines: 14
Xref: gmdzi rec.radio.shortwave:1672 rec.ham-radio:13174
Posted: Tue Jul 24 19:10:11 1990

In my previous post I had inquired about the Venturer receiver. Since my posting, I got an e-mail response that essentially said that it was a piece of junk, a total rip-off.

I'm posting this so that further responses on this subject can be avoided. If you need to respond, please use e-mail.

Thanks,

-jay
--
Jayaram Ramanathan
ramanath@unix.cis.pitt.edu
Graduate School of Business / University of Pittsburgh / Pittsburgh / U.S.A.

From -6379018798884798157
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7b2752a2d91a67a1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 18:29:41 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!carafe.enet.dec.com!goldstein
From: goldstein@carafe.enet.dec.com (Fred R. Goldstein)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters, Communcator, et al
Message-ID: <13823@shlump.nac.dec.com>
Date: 24 Jul 90 18:23:31 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 13
Posted: Tue Jul 24 19:23:31 1990

Jordan Kossack's proposal is rather close to mine. However, he merges Advanced into General with current privs. I merge Advanced into Extra, so not too many people lose privs. If Advanced is merged downwards, then certainly the merged General should get something beyond current General privs -- LOTS of the fone bands are reserved for Advanced and Extra.

(Or call it Class A and merge the two of them, making the name Neutral.)
---
Fred R. Goldstein   goldstein@carafe.enet.dec.com
k1io   or goldstein@delni.enet.dec.com
                    voice: +1 508 486 7388

From -6522689378524858414
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76a04b676993c661,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 18:30:35 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!aplcen!haven!decuac!shlump.nac.dec.com!
select.enet.dec.com!magid
From: magid@select.enet.dec.com (Joel Magid...)
Newsgroups: rec.ham-radio
Subject: Some New Ideas on Licensing
Message-ID: <13824@shlump.nac.dec.com>
Date: 24 Jul 90 18:44:07 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 71
Posted: Tue Jul 24 19:44:07 1990

The following licensing idea came to mind after reading all of the notes in this file about the "Communicator Class" and "Incentive Licensing"

We could actually use our current system (already in place) and accomplish much of what everyone here has said or commented on.

The goal of this proposal is two fold:

1. Entry Level --- to get more young and non-technical people into this hobby.

2. Have those already in the hobby expand their knowledge of the various aspects of this hobby.

3. Make the administration of the licensing procedure less complicated. (not sure anything the government does is not complex)

Class	Elements	Options
Novice	2	CW 5 WPM
Technician	2,3a	Pick (1) from list below
General	2,3a,3b	" " " " "
Advanced	2,3a,3b,4a	" " " " "
Extra	2,3a,3b,4a,4b	" " " " "

Communicator 2,3a * (required)

Option List: (Aside from the code Exams these tests will be 25-30
multiple choice questions designed in the same manner
as we have our tests designed today however the pool
of questions should not be made public)

a. Packet
b. RTTY
c. CW 10 WPM
d. CW 15 WPM
e. CW 20 WPM
f. Microwave
g. Emergency Service / Operations
h. Net Operations / Control
i. SSTV
j. Community Service
*k. UHF/VHF Operations
l. Satellite

(The above list is not all inclusive)

All current allocations and privs remain the same.

All current licenses are grandfathered.

If the the current proposed Communicator Class is approved the 5 WPM Code will be required for upgrade to Technician. (this assumes that the VHF/UHF privs are different for Technician and Communicator.

The desired results here are that:

1. Everyone can get into the hobby.
2. Those with higher levels of license have a good background into more of the hobbies aspects.
3. We can maintain the same licenses structure and have it mean more to be a certain class then it does now.

From 6186096669675252103
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,194e37cf349fb2f4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,194e37cf349fb2f4
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-24 18:34:46 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!chuq
From: chuq@Apple.COM (Smile when you say that)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Venturer Multiband Receiver
Keywords: haverhills, atlantic ad

Message-ID: <43308@apple.Apple.COM>
Date: 24 Jul 90 19:33:29 GMT
References: <26179@unix.cis.pitt.edu>
Organization: Out in Left Field
Lines: 15
Xref: gmdzi rec.radio.shortwave:1673 rec.ham-radio:13177
Posted: Tue Jul 24 20:33:29 1990

ramanath@unix.cis.pitt.edu (J Ramanathan) writes:

>Does anyone out in net-land know anything about the Venturer Multiband
>Receiver from Haverhills? I saw their ad in the Atlantic magazine recently,
>and it looked attractive. Here are the details of the receiver:

>Venturer Multiband Receiver - $99.95 (Three for $199.90!)

Every review I've seen of this one has been horrid.

--
Chuq Von Rospach   <+>   chuq@apple.com   <+>   [This is myself speaking]

We tend to idealize tolerance, then wonder why we find ourselves infested
with losers and nut cases -- Patrick Nielsen Hayden

From 2894038440275020669
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b1a9dfed20d8e3e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 18:38:59 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: Do we need *more* hams, or less?
Message-ID: <24.Jul.90.18:03:33.BST.#9528@UK.AC.NWL.IA>
Date: 24 Jul 90 16:22:52 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Tue Jul 24 17:22:52 1990

I have watched the 'discussion' re. incentive licensing with a mixture of
amusement, horror, and deja-vu.
My question: *WHY* do we want *MORE* hams? Surely, its a fact that as the
numbers go up, the quality comes down.
(If you really want *more* hams, why not just sell licenses by mail-order
and then you could have charging based on number of band segments
or privileges).
No seriously, I think we should be encouraging RAISING of standards, not
lowering them. Make the test harder and introduce a code-free license.
(I am against the UK 'Novice licence'; IMHO it can do nothing but harm...)

73 de Pete G6WBJ   PJML@UK.AC.NERC-WALLINGFORD.IBMA   0793411613

From -1511939936346578381
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,167875ac35f20dc4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 18:41:26 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: ITU Code Requirement
Message-ID: <1990Jul24.193208.12316@bellcore-2.bellcore.com>
Date: 24 Jul 90 19:32:08 GMT
References: <13749@shlump.nac.dec.com>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 31
Posted: Tue Jul 24 20:32:08 1990

In article <13749@shlump.nac.dec.com>, magid@select.enet.dec.com (Joel Magid...) writes:

>
> I understand that for operations below 30 Mhz the ALL amatuers
> are required by ITU regulation to pass a code test.
>
> 1. Does anyone have the text of that regulation ?

From the ITU Convention, as printed in Appendix 2 of 47 CFR 97 (the FCC amateur radio rules), Article 32, Section I, paragraph 3(1):

"Any person seeking a license to operate the apparatus of an amateur station shall prove that he is able to send correctly by hand and to receive correctly by ear texts in Morse code signals. The administrations concerned may, however, waive this requirement in the case of stations making use exclusively of frequencies above 30 MHz."

> 2. Does it state in the regulation what the minimum speed
> required is ?

No.

> 3. If the regulation is so well enforced how does the CB world
> exist in the US under that ITU requirement ?

Because CB is not an amateur service, it's a land mobile service. Police officers, ambulance drivers, firemen and cell phone users aren't required to know the code either.

Phil

From 3424993296584097775
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b068affc1b8c865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 19:19:07 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!uwm.edu!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio's value (Was: Re: Communicator Class) Keywords:
Message-ID: <1990Jul24.204101.12581@bellcore-2.bellcore.com>
Date: 24 Jul 90 20:41:01 GMT
References: <25883@usc.edu> <7880189@hpfcdc.HP.COM> <55993@microsoft.UUCP> <326@pacer.UUCP>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 26
Posted: Tue Jul 24 21:41:01 1990

Peter Klein's remarks were very well said. I hope you turn them into formal comments to the Commission -- that would certainly raise the average literacy and thoughtfulness level of the file!

I do have one nit to pick, however.

|> Some of you ultra-techies need to learn (forgive me) a little respect
|> and compassion for others. There's a lot of different kinds of ham
|> radio out there, and it has just as much right to exist as yours does.

I have NEVER felt or said otherwise, nor have any of my ultra-techie colleagues. (Well, I *will* admit to a few tongue-in-cheek comments about how CW ought to be banned because of its abysmal spectral efficiency, but I hope that these were taken in the satirical spirit in which they were intended. Just don't try to argue to me the merits of a mandatory CW requirement on the basis of CW's supposed spectral efficiency!)

My support for no-code has long been based on a desire to pursue technical development by attracting more hams with similar interests. I absolutely have no quarrel with those who wish to pursue more traditional activities - as long as they don't stand in the way of others who have different but equally legitimate interests.

Phil

From -5576675701781869819
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,715d6eeafa9a84ee

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 19:20:13 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!psuvax1!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Communicator License Frequencies
Message-ID: <1990Jul24.212200.12756@bellcore-2.bellcore.com>
Date: 24 Jul 90 21:22:00 GMT
References: <9007190347.AA12165@cmr.ncsl.nist.gov>
<1990Jul19.050427.12730@bellcore-2.bellcore.com> <QXK&_7#@splut.conmicro.com>
<1990Jul20.182133.21406@bellcore-2.bellcore.com> <JVL&0LA@splut.conmicro.com>
<1990Jul22.052747.29459@bellcore-2.bellcore.com> <2746@anasa
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 50
Posted: Tue Jul 24 22:22:00 1990

In article <2746@anasaz.UUCP>, john@anasaz.UUCP (John Moore) writes:

> I don't think spread spectrum will work at all for "repeater
> coordination" problems. [discussion of near-far problem in repeaters]

I didn't say "repeater coordination", I said "spectrum management". Repeaters are a large part of the problem; I'm trying to find ways to introduce new services and facilities in the face of existing repeater operators and councils who already feel they own the band and refuse to make any room.

As for the near-far problem in repeaters, that's an issue only if your repeater is true full duplex. But you can effectively simulate full duplex with a half duplex system if it is fast enough. (An example is the experimental Ethernet telephone on my desk. Ethernet is a half duplex network, but I can talk on my phone just like it were the Real Thing.)

The single frequency digipeater/packet switch is the model I have in mind. Although everyone knows how poorly that model has operated in current amateur practice, few understand that these shortcomings stem almost exclusively from our using it with narrowband modulation techniques.

It is not an accident that so many non-amateur packet radio systems use spread spectrum. It's not just the usual special military interest in anti-jam and low probability of intercept. Spread spectrum has many desirable properties in a random, contention-based multiple access environment, including excellent "capture" and multipath suppression abilities. Hidden terminals still exist, but they are MUCH less of a problem.

Spread spectrum will probably never be able to match conventional frequency- or time-division multiple access techniques on the basis of signal orthogonality (the limits to receiver selectivity). For example, with modern crystal filters it is relatively easy to get adjacent-channel rejection ratios in frequency-division systems on the order of 60 dB or more, but attaining similar processing gains (the analogous figures in spread spectrum systems) would require bandwidth expansion ratios of a million or more. These seem impractical for all but the slowest data streams.

This reduction in spectrum efficiency is the price you pay in exchange for eliminating the need for everyone to agree in advance on frequency channel allocations. But if hams are unable to get their cooperative spectrum management act together, then spread spectrum presents a viable alternative to either bedlam (no coordination at all) or stagnation (keeping it all allocated to existing repeaters).

Phil

From 7970435596713744556
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2ce5f85abb51833,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 22:32:27 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!t-petesk
From: t-petesk@microsoft.UUCP (Peter SKELLY)
Newsgroups: rec.ham-radio
Subject: Crystal Filters
Summary: Questions about crystal filters
Keywords: Filters Crystal
Message-ID: <56047@microsoft.UUCP>
Date: 24 Jul 90 21:26:58 GMT
Reply-To: t-petesk@microsoft.UUCP (Peter SKELLY)
Distribution: all
Organization: Microsoft Corp., Redmond WA
Lines: 16
Posted: Tue Jul 24 22:26:58 1990

I'm trying to either find, or build a 9Mhz Crystal I.F. Filter.

The bandwidth should be wide enough for NBFM (15-20khz), and the Q should be pretty high.

Any help would be appreciated, especially stuff like
Sources for the filters(if I decide not to build them myself)

Impedance characteristics, and other such stuff.

Pete Skelly
microsoft!t-petesk
KB7GUD

my opinions are my own

From 2310360091724318292
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-24 23:05:55 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!sdd.hp.com!decwrl!bacchus.pa.dec.com!emu.pa.dec.com!stevenp
From: stevenp@decwrl.pa.dec.com (Steven Philipson)
Newsgroups: rec.ham-radio
Subject: Re: Airwave Wars
Message-ID: <1990Jul24.232239.3098@wrl.dec.com>
Date: 24 Jul 90 23:22:39 GMT
References: <186@bongo.UUCP> <1990Jul18.215248.11497@bellcore-2.bellcore.com>
Sender: news@wrl.dec.com (News)
Reply-To: stevenp@decwrl.pa.dec.com (Steven Philipson)
Organization: DEC Palo Alto
Lines: 58
Posted: Wed Jul 25 00:22:39 1990

In article <186@bongo.UUCP>, julian@bongo.UUCP (Julian Macassey) writes;

> Why oh why does everyone drone on about how wonderful amateur radio is in an emergency? This is the U.S.A., this country has the best equipped Emergency services and Armed services in the world. The U.S. Armed services even have their own phone network. Do you seriously think that amateurs are the lynch-pin of disaster communications?

I dunno. Maybe you should ask the Red Cross, or perhaps the local Office of Emergency Services. Maybe they can tell you why they seem to need us so badly and use our capabilities so heavily during actual emergencies. The last earthquake here in the Bay area saw ham radio get a heavy workout. There were lots of tired hams around here providing communications on demand. One might note that the Office of Emergency Services includes ham radio in its response plans. They seem to think that we have some value.

Maybe there's something going on with "health and welfare" services. My family (on the east coast) was very worried about me after the earthquake, and I couldn't get through by telephone (service was out in many areas, and many long-distance lines were saturated). I finally got a message delivered by HF through a ham I talked to via 2-meters. He was operating from DC -- his power was out, too. That convinced me to make getting a DC HF rig a priority. I've got one now, and I'm ready for the next disaster (I hope!).

> In my cynicism I suspect the ARRL is behind this stuff. [...]

You might also ask the military. For some reason our "best equipped" armed services ask for our help on a regular basis. Scores of hams turn out every year to assist the Navy at the Moffet Field Air Show. The Navy doesn't seem to have the personnel and equipment to handle it. Is it possible that they are in on the ham radio propaganda bandwagon too?

> If my local emergency service needs more coms these days, they
> don't call out the fat guys with the walkie-talkies on their belts and
> obsolete police radios in their cars. They call up a cellular carrier
> and get some cellular phones that give them instant coms and ability
> to communicate anywhere in the world.

I suppose they'd exclusively use cellular here too, except that they know that they can't depend on cellular during an emergency. So, they call out lots of us, some fat, some thin (we get plenty of exercise running around during emergency exercises), but most with high-tech radio systems that put police radios to shame. I haven't seen too much in the way of police TV. The ES office really seems to like getting direct video of problem areas. Funny about that....

> Yours still learning from amateur radio.

Please consider seeking out the RACES folks in Southern California. That's an area of high earthquake and fire risk, too. You might learn that there's more value in amateur emergency service than you think.

Steve
stevenp@decwrl.dec.com

From -4351193812362138354
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,167875ac35f20dc4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 14:47:24 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: ITU Code Requirement
Message-ID: <16203@ucsd.Edu>
Date: 25 Jul 90 19:08:28 GMT
References: <13749@shlump.nac.dec.com> <10288@crdgw1.crd.ge.com>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 19
Posted: Wed Jul 25 20:08:28 1990

In article <13749@shlump.nac.dec.com>, magid@select (Joel Magid...) writes:

> I understand that for operations below 30 Mhz the ALL amatuers
> are required by ITU regulation to pass a code test.
>
> 3. If the regulation is so well enforced how does the CB world
> exist in the US under that ITU requirement ?

Well, the regulation isn't closely enforced; for example, the US ham

code test doesn't require the applicant to prove he can send code with a
key, even though the international regs would seem to require that.
(Hey, since the US is already flouting international law, why not just
abandon the code test entirely! Yeah!)

But as far as CB goes, one key remaining difference is that hams are
permitted to build their own equipment. No other service is. The fact
that few hams DO build their own equipment isn't material; we're
allowed to.
     - Brian

From -5549076389055036849
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 15:03:56 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Wayne and Byte...
Message-ID: <941@ssc.UUCP>
Date: 25 Jul 90 22:03:56 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com>
<73@thoreau.nsc.com>
Organization: very little
Lines: 22
Posted: Wed Jul 25 23:03:56 1990

In article <73@thoreau.nsc.com>, rtodd@thoreau.nsc.com (Ron Todd) writes:
> In article <926@ssc.UUCP>, tad@ssc.UUCP (Tad Cook) writes:
> > He claimed ... a succesfull businessman, engineer, etc,
>
> And do I need to remind all of you what happened the last
> time we had a "successful buisnessman, engineer" at the
> helm of this country??
>

Boy, yeah! He sure was a lot better than that actor character
who followed him.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

```
From 3229571473819700379
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4496c2c0cce3c6b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 15:19:42 PST
Path: gmdzi!unido!mcsun!ukc!stl!iclbra!prs
From: prs@oasis.icl.stc.co.uk (Pete Swynford)
Newsgroups: rec.ham-radio
Subject: Help: FT470
Keywords: VHF
Message-ID: <544@ozz.oasis.icl.stc.co.uk>
Date: 25 Jul 90 11:08:38 GMT
Organization: International Computers Limited, Bracknell, UK
Lines: 16
Posted: Wed Jul 25 12:08:38 1990
```

Hello readers...

I own a Yaesu FT470 VHF/UHF hand-held. It covers the European frequencies 144-146 & 430-440 MHz. I'd like to extend the coverage so that it can be used on other frequencies if I go abroad (eg upto 148 MHz).
I know there are a number of mods available.
Has anyone got precise details ??

73 Pete.
--
Pete Swynford is available... tel: +44 (344) 424842 x 2625
or at prs@oasis.icl.stc.co.uk / ..!uunet!mcsun!ukc!iclbra!prs / g6zyt@gb7rdg
Disclaimer: See Paragraph 2.4.a of section 1.a (article 7) (iii) of the
            Town and Country Planning Act, 1967.

```
From -4843105189907741337
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,167875ac35f20dc4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 18:03:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!uunet!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: ITU Code Requirement
Message-ID: <10288@crdgw1.crd.ge.com>
Date: 25 Jul 90 16:50:13 GMT
References: <13749@shlump.nac.dec.com>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 15
Posted: Wed Jul 25 17:50:13 1990
In-reply-to: magid@select.enet.dec.com (Joel Magid...)
```

In article <13749@shlump.nac.dec.com>, magid@select (Joel Magid...) writes:

>   I understand that for operations below 30 Mhz the ALL amatuers
>   are required by ITU regulation to pass a code test.
>
>   3. If the regulation is so well enforced how does the CB world
>   exist in the US under that ITU requirement ?

At one point (and probably now) the legality was that CB could not be
used as a hobby. The reality however....

-don perley ke2tp

perley@trub.crd.ge.com

From -4355561379464388393
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c1687312e470a66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 18:23:55 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!cs.utexas.edu!asuvax!mcdphx!citek.mcdphx.mot.com!hbg6
From: hbg6@citek.mcdphx.mot.com
Newsgroups: rec.ham-radio
Subject: Re:What to do with N0MFW?
Message-ID: <13274@mcdphx.phx.mcd.mot.com>
Date: 25 Jul 90 19:31:08 GMT
Sender: listen@mcdphx.phx.mcd.mot.com
Reply-To: hbg6@citek.mcdphx.mot.com
Organization: Motorola Microcomputer Division, Tempe, Az.
Lines: 21
Posted: Wed Jul 25 20:31:08 1990
References:<7880194@hpfcdc.HP.COM>

In article <7880194@hpfcdc.HP.COM> ajs@hpfcdc.HP.COM (Alan Silverstein) writes:
>I just got my new-and-probably-long-term call sign. Out with KB0GPX/KT,
>in with... N0MFW. (Please, no laughing.) The question is, what to do
>with this unhappy collection of letters. Should I... sell my radio?
>Upgrade and pray? Grimace and get used to it?
>
More Fine Whisky
More Fine Women
Max Forward Wattage
Magic Frisky Weasel
Marines For Women (whisky)
Married For Wiggles
Meteor Flies West
My Fish Wife
Mine Finally Works

John Schuch
....
. All opinions expressed are mine and not Motorolas, their loss.   .
....[

From 9109755560243669138
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,194e37cf349fb2f4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,194e37cf349fb2f4
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-25 18:24:48 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Venturer Multiband Receiver
Keywords: haverhills, atlantic ad
Message-ID: <10309@crdgw1.crd.ge.com>
Date: 25 Jul 90 22:09:12 GMT
References: <26179@unix.cis.pitt.edu> <37246@shemp.CS.UCLA.EDU>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Followup-To: rec.radio.shortwave
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 16
Xref: gmdzi rec.radio.shortwave:1691 rec.ham-radio:13239
Posted: Wed Jul 25 23:09:12 1990
In-reply-to: cccph@eel.cs.ucla.edu (Charles Hobbs)

In article <37246@shemp.CS.UCLA.EDU>, cccph@eel (Charles Hobbs) writes:

>I have never seen or heard of a *good* shortwave radio for less
>than about $175-200....if anyone on the net knows of any, please
>let me know....but most, if not all, of the shortwave receivers
>advertised in popular magazines, mass-market catalogs, creditcard
>invoices and the like are too cheap to be any real good.

I think the key is that if there is a good (but not great) SW under $200 it doesn't get full page color ads because there isn't enough fat in the price to cover them. It would get 1 or 2 square inches in a discount dealer's add in the Sunday New York Times and the assumption is that you are already familiar with the model numbers.

-don perley
perley@trub.crd.ge.com

From -4101480386813048196
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,af673bb92c362fac
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 18:24:59 PST

Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: G5RV antenna
Message-ID: <1250204@hpnmdla.HP.COM>
Date: 25 Jul 90 16:36:58 GMT
References: <104332@philabs.Philips.Com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 11
Posted: Wed Jul 25 17:36:58 1990

>see G5RV article in the ARRL Antenna Compendium. The article is by G5RV
>himself, the only HAM we know honored by being named after an antenna,
>according to Jim of RADIO WORKS.

How about the W8JK antenna namned after John Kraus, author of the college
textbook "Antennas"?

Al N1AL

From -7632195886899213864
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29eaca15df7dda58,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 18:25:09 PST
Path: gmdzi!unido!mcsun!uunet!seismo!ukma!tut.cis.ohio-state.edu!cs.utexas.edu!
swrinde!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: V rate of series C in Transistor amp output
Message-ID: <1250205@hpnmdla.HP.COM>
Date: 25 Jul 90 16:42:46 GMT
References: <1990Jul24.210818.9231@cbnewsm.att.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 15
Posted: Wed Jul 25 17:42:46 1990

> I would like to know the method for determining the output voltage of a
>transistor amplifier. The reason for this is I needed to estimate the voltage
>that will be across the output series capacitor. An example of what I need is
>I am planning on putting together a 50mHz single transistor amplifier that will
>have an output of 100 watts. A couple of questions;

Assuming you are talking about the voltage at the 50-ohm output, just use
the formula E = SQR(P*R) and multiply by 1.414 to convert from RMS to peak.

For 100 watts, E = SQR (100*50) = 70.7 * 1.414 = 100V peak. With a 2:1 SWR, the voltage can be up to 1.414 higher or 141 Volts.

Al N1AL

From -4416142746501244999
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 18:30:14 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!usc!apple!voder!pyramid!infmx!randall
From: randall@infmx.UUCP (Randall Rhea)
Newsgroups: rec.ham-radio
Subject: Re: Airwave Wars
Message-ID: <4883@infmx.UUCP>
Date: 26 Jul 90 01:30:14 GMT
References: <186@bongo.UUCP> <1990Jul18.215248.11497@bellcore-2.bellcore.com>
<1990Jul24.232239.3098@wrl.dec.com>
Reply-To: randall@infmx.UUCP (Randall Rhea)
Organization: Informix, Menlo Park, Ca. U.S.A.
Lines: 20
Posted: Thu Jul 26 02:30:14 1990

>Why does everyone keep talking about ham radio in an emergency .... maybe
>the ARRL is behind it ...

In the hours following the Oct. 17th earthquake here in the Bay Area, all communication systems were down. Telephones (including cellulars) did not work until about 9pm. (The quake happened at 5:04) All sorts of incorrect information was being reported over the commercial TV and radio stations. ("The Valley Fair Mall had collapsed - several collapsed bridges over highway 101 - UC Berkeley library on fire - complete collapse of the Bay Bridge", etc.) The much balleyhooed "Emergency Broadcast System" failed completely. The only way to get accurate information was via ham radio. The only way to get messages in or out was via ham radio.

By the way, this was a relatively minor disaster. There was almost no damage in my area. In a really catastrophic quake, ham radio would be the only communications available for days.

No, this is not an ARRL plot ... hams ARE essential when disaster strikes!

-Randall, KK6MY

From 6250387371848518255
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b0863edfb131780,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,9b0863edfb131780,start
X-Google-Attributes: gid105d97,public

X-Google-ArrivalTime: 1990-07-25 20:07:40 PST
Path: gmdzi!unido!mcsun!uunet!comp.vuw.ac.nz!massey.ac.nz!GMoretti
From: GMoretti@massey.ac.nz (Giovanni Moretti)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Has anyone made any homemade valves (tubes), semiconductors ...
Summary: Homebrewing taken to the extreme ...
Message-ID: <872@massey.ac.nz>
Date: 26 Jul 90 01:55:02 GMT
Organization: Massey University, Palmerston North, New Zealand
Lines: 29
Xref: gmdzi sci.electronics:7631 rec.ham-radio:13242
Posted: Thu Jul 26 02:55:02 1990
X-Reader: NETNEWS/PC Version 2.1

Peridically I get the feeling that radio ... is getting far too hard
to do - you need 99%+ pure Ge/Si ... and huge factories and $00000000.

One the other hand:
   You can make resistors out of pencil leads, capacitors and
inductors are easy, headphones are possible (not easy) and you can
use Galena (lead sulphide I think for a diode), but what about things
with GAIN.

I've had this dream of making a triode in a peanut butter jar (a
small strong one :=) ...

Has anyone out there ever tried to make something like this or any
homemade semiconductors ....

And how about batteries with household chemicals (ie not sulphuric)

I can't be the only one who has these thoughts ...

Cheers
Giovanni

```
--
-------------------------------------------------------------------------------
|   GIOVANNI MORETTI, Consultant     | EMail: G.Moretti@massey.ac.nz          |
|Computer Centre,  Massey University | Ph 64 63 69099 x8398, FAX 64 63 505607 |
|   Palmerston North, New Zealand    | QUITTERS NEVER WIN, WINNERS NEVER QUIT |
-------------------------------------------------------------------------------
```

From 1475438705191216582
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,de28f2054ceb3650
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 20:20:05 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!amc-gw!thebes!ole!ssave
From: ssave@ole.UUCP (Shailendra Save)
Newsgroups: rec.ham-radio

Subject: How to get started.
Message-ID: <1618@ole.UUCP>
Date: 25 Jul 90 22:36:44 GMT
References: <30500596@ux1.cso.uiuc.edu>
Organization: Seattle Silicon Corp., Bellevue, WA.
Lines: 14
Posted: Wed Jul 25 23:36:44 1990

I want to be a amateur-radio operator. What is the best way to
get started? Where can I get good books to get started on it,
is it possible to learn everything that is required for the test
through self-study, or is it necessary to take an official course
and pass it? I should think that receiving and monitoring airwaves
is perfectly alright on any radio band?
I would appreciate any help that you can give me and any suggestions
that you may have as to good equipment that will get me started.

Thanks,
Shailendra
ssave@caen.engin.umich.edu
....!uw-beaver!ole.uucp!ssave

From -5249967251277398591
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,703b25e40ef21484,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 20:29:30 PST
Path: gmdzi!unido!mcsun!uunet!seismo!ukma!tut.cis.ohio-state.edu!ucbvax!JPNTSUK2.BITNET!870383
From: 870383@JPNTSUK2.BITNET (KOMATSU Toshiki)
Newsgroups: rec.ham-radio
Subject: VOX IC
Message-ID: <9007260109.AA05939@ucsd.edu>
Date: 26 Jul 90 01:00:03 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Thu Jul 26 02:00:03 1990

Dear Hand-maders ,

I know an 1chip VOX IC from Japan . That is 'NJM2072' from 'Shin-Nihon-Musen' (JRC Devices) .

When VOX make , you will prepare this IC , three condensers (one is for recovery time setting) , and one or two Registers(shunt) . Open collector output and VDD between 0.9V-7.0V . That is useful for HT (also fixed).

HW ?

Youres , KOMATSU .

/ KOMATSU Toshiki
Dept.of CHEMISTRY,Univ.of Tsukuba. E-mail:870383@JPNTSUK2.bitnet

phone :+81-(0)298-514590   mail :P.O.Box 53,Tsukuba-Gakuen,
HAMnet:JF7WED@JI1ZMW.#12.JNET1.JPN   Ibaraki 305 JAPAN

From 7755599794504816798
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 21:44:27 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!rutgers!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <38860@cci632.UUCP>
Date: 25 Jul 90 14:37:31 GMT
References: <900724-020327-19183@Xerox> <38845@cci632.UUCP> <16164@ucsd.Edu>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 35
Posted: Wed Jul 25 15:37:31 1990

In article <16164@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:

>Or do you want them to become expert professional hams somewhere else
>before we let them on our bands?
...
>Get real.

(Thanks, I needed that. (how do you draw a sarcastic smiley face))

>Everyone has to start at the bottom sometime.

Certainly, you are right ... but the argument was "get rid of license classes" (at least, make "entry level" and "full privileges" flavors).
I am saying, the overall quality of hams owuld fall, because either:

(1) the exams would become too hard, and people would not pass
(2) the quality of the exams would drop even more so than what we have now

People learn in little chunks. Take a look at television, and the fact that shows (entertainment _and_ news) are given to us in 12-minute chunks.

I think that it's preferable to have five short-term goals, as opposed to a two-step arrangement, where the quality would fall further.

So, the answer is no, they don't have to be experts right off the bat. And yes, I _do_ expect them to be more than competent once they hit "full amateur privileges".

(As an aside, I work the novice bands on CW considerably more often than

I work the extra portions. Anybody who has the "snob" attitude of not wanting to work novices is an idiot and not worth consideration).

WZ2B

From 5535374229878081194
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7af86dfe73bbb913,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7af86dfe73bbb913,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-25 21:44:58 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!tut.cis.ohio-state.edu!ucsd!pacbell.com!ames!eos!shelby!portia.stanford.edu!paulf@jessica.Stanford.EDU
From: paulf@jessica.Stanford.EDU (Paul Flaherty)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: ICOM IC-R1 Review
Message-ID: <1990Jul26.001037.21586@portia.Stanford.EDU>
Date: 26 Jul 90 00:10:37 GMT
Sender: news@portia.Stanford.EDU (USENET News System)
Reply-To: paulf@jessica.Stanford.EDU (Paul Flaherty)
Organization: The Three Packeteers
Lines: 84
Xref: gmdzi rec.ham-radio:13246 rec.radio.shortwave:1692
Posted: Thu Jul 26 01:10:37 1990

Review: ICOM IC-R1 Portable Scanner

Paul Flaherty, N9FZX

By now, just about everyone has seen the ads for ICOM's new wideband receivers. And, by now, just about everyone also knows that the R1, and the R100 are not available in the US, and will not be for some time, due to production problems as well as legal difficulties. However, for a few hams who are lucky enough to be able to travel to Japan on a regular, it is possible to buy an R1. The list price is Y54,000; actual prices vary in the Y43,000 to Y48,000 range. This translates to around $300US, certainly not bad for a miniature wideband receiver.

I bought my R1 in Akihabara, where I lucked into finding a store that didn't have a waiting list. Since the manual was in Japanese, it took me a while to investigate all of the features (Watashi no Nihongo wa totemo heta desu). I've had about three weeks to play with my R1, so I thought I'd share some of my experiences.

As per the ads, the R1 synthesizer does lock up from 100 KHz to 1.3 GHz. However, an amount of S1 hash limits the useful starting frequency to 200 KHz. Birdies are quite frequent below 10 MHz, generally four per megahertz, each 20 KHz wide. Above 10 Mhz, the design is a bit cleaner, averaging one birdie per 10 MHz. Above 100 MHz, things improve further still, with one birdie every 50 MHz, with the exeception of the range 275-300 MHz, where birdies are quite frequent. With the exception of one birdie in the 6m region, all of the ham bands were quiet. 400-500 Mhz was also very quiet, as were most of the SWBC bands. Some of the birdies are obviously LO mixings, while a few of the wider signals are microprocessor hash.

The R1 comes with a wideband VHF-UHF scanner antenna, which is adequate for most purposes. For shortwave reception, the antenna does suprisingly well during the evening hours. I've tried attaching an external antenna to the R1; unfortunately, this only exacerbates the adjacent channel interference problem that I'll discuss later. But, even without an external antenna, WWV reception is solid, and I've had lots of fun listening to Radio Australia, Radio Japan, Radio Moscow, Havana, the BBC -- in short, the rig is indeed useful as a shortwave receiver. The best reception seems to be in the 9.5MHz and 13.5 MHz bands, although I've listened to stations in the 15 MHz and 6 MHz bands as well.

VHF and UHF coverage is also very good. I've programmed a number of local public service frequencies and ham repeaters, from 52MHz to 1.3GHz. The sensitivity lags somewhat above 900 MHz, but everything below that is solid. The state park service has a repeater in the 800 MHz region quite a ways from here, and it's fun to listen in, especially during the weekends. Since the ICOM ads don't mention the sensitivity figures, I'd figured that this was where the compromise would be. That's not the case, as one can see from the figures I've posted earlier.

Instead, the compromise was in selectivity. The R1s will lock up on very strong signals that are as much as 40 KHz away from the desired signal, depending on the frequency involved. In the case of AM broadcasting, KFS shows up in lots of places, and is omnipresent if I connect an external antenna. This isn't so much of a problem for SWLs as for scanner folks, since the scanner will stop on a channel that's open, but has a carrier less than 40 KHz away. I've been able to mitigate this problem substantially by keeping a tight squelch, but it still does pop up from time to time.

The R1 has all of the usual wiz - bang scanner features that one would expect, including selective memory and range scans. Scan rate is variable from 10 - 20 channels per second. There is a configuration mode, where the scan rate, division of memory, power consumption, scan stop / start policy, display contrast et al can be changed as desired.

As is the case with the IC-SAT line, the R1 has a built-in NiCad, and the radio itself will operate off of any source between 6-16VDC. When the source is above 12V, the power circuitry automatically charges the NiCads. The documentation doesn't specify the capacity of the on - board Nicads; I've heard both 300mah and 180mah. The radio draws 15ma in squelch, and as much as 300 ma with the volume pot cranked all the way up. I bought a BP-90 AA battery shell to tide me over while the NiCads charge.

My overall impression is quite positive. The R1 packs a considerable degree of capability into a very small package, that's very inexpensive. It does have its flaws; however, the birdies are generally out of interesting places, and the selectivity problems are annoying but not intolerable. I've really enjoyed being able to listen to shortwave via a radio I can clip to my belt (without feeling too geeky).

```
-=Paul Flaherty, N9FZX/VK2WYX | "TEXAS! Has a USENET in it... (Lord have Mercy
->paulf@shasta.Stanford.EDU   | on us all!)" -- _The Best Little Net in Texas_
```

From 851759268618858686
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd5779a0d5ae6ab
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 22:23:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!samsung!usc!apple!bionet!synoptics!swbatl!texbell!uudell!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: Soldering to Aluminum, how to do it.
Keywords: soldering trick
Message-ID: <192@bongo.UUCP>
Date: 26 Jul 90 05:23:08 GMT
References: <104327@philabs.Philips.Com>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 29
Posted: Thu Jul 26 06:23:08 1990

There is a reasonable aluminium solder made by the British company Ersin Multicore. I am not sure how well this will work on aluminum over in the U.S. (-:

If you don't have the correct solder, here is a couple of tricks to amaze the hoi-polloi.

Pour some light machine oil (3 in 1) over the aluminium. Using a sharp blade (Swiss army knife, X-axto etc) scrape the surface to be soldered. Tin the scraped surface while the oil still coats it. Smelly job and liable to get you cited by the smog police. It works by keeping oxygen away from the shiny aluminum long enough to get the solder to flow.

The next method requires a grinding wheel (pretty coarse). Grind the aluminium surface and then apply solder to the wheel to coat it in solder. Now apply aluminum part to the wheel so it gets good and hot, the solder on the wheel will abrade the aluminum surface and heat the solder so it flows on the hot clean surface. Doing this is tricky. It can also be used to deposit solder on ceramic surfaces. For ceramic surfaces use a solder with 5% silver.

If you have ever wondered why they use aluminium for heat sinks, trying to solder it will answer all your questions.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian

```
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495


From 4969516398289961893
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 22:25:48 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <30500616@ux1.cso.uiuc.edu>
Date: 26 Jul 90 03:54:00 GMT
References: <900724-020327-19183@Xerox>
Lines: 21
Nf-ID: #R:<900724-020327-19183@Xerox>:-27:ux1.cso.uiuc.edu:30500616:000:890
Nf-From: ux1.cso.uiuc.edu!phil    Jul 25 22:54:00 1990
Posted: Thu Jul 26 04:54:00 1990



> Certainly, you are right ... but the argument was "get rid of license
> classes" (at least, make "entry level" and "full privileges" flavors).
> I am saying, the overall quality of hams owuld fall, because either:
>
>    (1) the exams would become too hard, and people would not
>             pass
>    (2) the quality of the exams would drop even more so than
>             what we have now

You missed the third possibility:  The exams will cover a simple basic
subject matter and be thorough in evaluating a person's understanding
of only the necessary subject matter.

> People learn in little chunks.  Take a look at television, and the fact
> that shows (entertainment _and_ news) are given to us in 12-minute chunks.

And you want to PROMOTE THIS?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From -4771982147779280690
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,167875ac35f20dc4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 22:30:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!samsung!usc!apple!
bionet!synoptics!swbatl!texbell!uudell!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
```

Subject: Re: ITU Code Requirement
Message-ID: <193@bongo.UUCP>
Date: 26 Jul 90 05:30:17 GMT
References: <13749@shlump.nac.dec.com>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 23
Posted: Thu Jul 26 06:30:17 1990

In article <13749@shlump.nac.dec.com>, magid@select.enet.dec.com (Joel Magid...) writes:
>
>
>   I understand that for operations below 30 Mhz the ALL amatuers
>   are required by ITU regulation to pass a code test.
>

The other 2 questions have been well answered by others.

>
>   3. If the regulation is so well enforced how does the CB world
>   exist in the US under that ITU requirement ?

The CB world gets away with it because it is not an international service. Remember the old NO DX rules? One of the strange things about RF enforcement is that if it is for "National" use then the international rules don't apply. How RF stops at borders I will never understand, but most European MF (AM) broadcasters think it does. Also Japan has no-code hams on some HF bands using low power. They of course are only talking to other Japanese hams so do not need to meet international regs.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From -7301685176714453150
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 22:30:31 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Airwave Wars
Message-ID: <30500618@ux1.cso.uiuc.edu>
Date: 26 Jul 90 04:13:00 GMT
References: <900724-020224-19182@Xerox>
Lines: 67
Nf-ID: #R:<900724-020224-19182@Xerox>:-27:ux1.cso.uiuc.edu:30500618:000:3234
Nf-From: ux1.cso.uiuc.edu!phil   Jul 25 23:13:00 1990
Posted: Thu Jul 26 05:13:00 1990

> On another subject being discussed on this net: Communicators License
> I have sat on the fence and read all the comments/discussion/FLAMES
> regarding it but as usual, the ARRL is doing us a GREAT wrong.
> Giving away the farm is not the answer. What the ARRL should have done is
> 2-fold to answer the need for code-free licenses.
> 1)   902-928 MHz / all modes / 100 watt power level

And what will you do in California, Colorado, Wyoming, Western Texas, and
Eastern New Mexico?

> 2)   Non-standard callsign format (i.e. KX2RAF or a double digit numeral)

WHY? So you can label them and be able to refuse to talk to them or worse?

And why do you think it is "giving away"? Nothing is being given away to
Communicators.

> will be some cheating as far as privilages for operating. It should not
> be hard to distinguish codeless hams. I am not "labeling" them, I am
> merely creating another class of callsigns UNIQUE to all others. I used
> the example of "kX" to denote eXperimental. This also serve to all the
> paranoid that if an operator got on 2m, it would stick out somewhat.

But what if a Tech gets on 20 meters? Why not give Tech's unique callsigns?

What if the KX op upgrades? Can he keep the call he is used to now? Won't
that diffuse your ability to "pick them out in a crowd"?

There is no need for distinguishing call signs beyond the incentive nature
we have now, and even that isn't essential to ham radio survival. What
you obviously want to (be able to) do is to discriminate against them just
because they didn't want to learn code.

> This 2-point proposal for the communicator serves the purpose to give
> a band to codeless hams and foster the desire to move up to another class
> for more privilages. Opposed to the same old idea in the ARRL, lower
> the standards for higher numbers.

And what codeless class do you propose they upgrade to? Oh, I get it, you
want them to feel that ham radio is so useless without having to go ahead
and learn code anyway, that they will upgrade. Sorry, but that just won't
work. A few might be fooled by your trick and start out, but they will
become inactive because they still don't want to bother learning code.

> If the ARRL wanted to improve the image of ham radio, they would push
> standards higher than those of other services. These would be more technical
> and operational. Instead, contests are a big deal. They have even turned
> Field Day into a pre-planned contest for points first, emergency preparedness
> later. They continue to push standards downward while hindering technology.
> Instead of accepting packet, the National Traffic System continues to
> hinder the switch by promoting useless voice nets that pass make-believe
> messages that could quickly handled on ax.25 and MORE EFFICIENTLY!

Generally right, except there are better protocols than AX.25.

> Why is it illegal to call for a pizza on the autopatch of a local repeater
> but it is not illegal to pass messages circumventing the US Postal Service?

It is illegal.

> Yeah, Sure, Good Luck in the Contest, QSL ?

C

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 6397577859774247016
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,74bf978fabd099c1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 22:37:19 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Advice wanted - 2m HT
Message-ID: <30500619@ux1.cso.uiuc.edu>
Date: 26 Jul 90 04:21:00 GMT
References: <1724JKOSS00@RICEVM1>
Lines: 8
Nf-ID: #R:<1724JKOSS00@RICEVM1>:-21:ux1.cso.uiuc.edu:30500619:000:376
Nf-From: ux1.cso.uiuc.edu!phil   Jul 25 23:21:00 1990
Posted: Thu Jul 26 05:21:00 1990

> 2) Band: According to what I've been hearing on the net, 2m is a zoo
>   and 70cm is empty. So, the question is whether I should get

2 meters is not the zoo some make it out to be except during drive time.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 4210408963094925255
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6689244f30762af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 22:48:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!samsung!usc!apple!
bionet!synoptics!swbatl!texbell!uudell!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: Communicator Class

Message-ID: <194@bongo.UUCP>
Date: 26 Jul 90 05:48:39 GMT
References: <9007221626.AA23185@tecnet1.jcte.jcs.mil> <1079@ke4zv.UUCP>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 24
Posted: Thu Jul 26 06:48:39 1990

As I see these religious wars about technology and spectrum use I am reminded of an article I read many years ago. It appeared either in "Short Wave Magazine" or "Rad' Com'". It was a story about a British amateur who by that time was an old fart, or to use the current vernacular, an old geezer.

He was discussing his early days as a radio amateur. He mentioned how he came back from WWI in France where he had been living in a hole in the ground covered in mud and lice. He and his peers wanted to get home and do some radio. To his horror, he found that the Radio Society of Great Britain was "Just a group of old men who wanted to sit around and talk about wireless when we wanted to get on the air." He had pushed the Old Farts of his day to get licencing going again so the young turks could do some radio. I wish I had filed that article.

We don't use spark anymore, and CW may be less relevant, but it looks like we still have a geezer problem seventy years later. As I approach geezerdom I wonder when I will be considered an impediment. Some of you may consider that time has come (-:

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From -842511243934704840
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,af673bb92c362fac
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-25 23:11:05 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!ucsd!usc!wuarchive!udel!burdvax!bigburd.PRC.Unisys.COM!darrel
From: darrel@bigburd.PRC.Unisys.COM (Darrel J. Van Buer)
Newsgroups: rec.ham-radio
Subject: Re: G5RV antenna
Message-ID: <14563@burdvax.PRC.Unisys.COM>
Date: 26 Jul 90 00:17:50 GMT
References: <104332@philabs.Philips.Com> <1250204@hpnmdla.HP.COM>
Sender: news@PRC.Unisys.COM
Organization: Unisys Corporation, Paoli Research Center; Paoli, PA
Lines: 5
Posted: Thu Jul 26 01:17:50 1990

The beverage antenna was named after Mr. Beverage (though I don't know if he was a ham).

Darrel J. Van Buer, PhD; c/o Unisys; 5731 Slauson Ave, Culver City, CA 90230
(213)338-3760   KI6VY   darrelj@CULV.UNISYS.COM

From 6427720592863117758
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b0863edfb131780
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,9b0863edfb131780
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-07-25 23:36:27 PST
Path: gmdzi!unido!mcsun!uunet!salt.acc.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Has anyone made any homemade valves (tubes), semiconductors ...
Message-ID: <16238@ucsd.Edu>
Date: 26 Jul 90 06:14:38 GMT
References: <872@massey.ac.nz>
Followup-To: sci.electronics
Organization: The Avant-Garde of the Now, Ltd.
Lines: 19
Xref: gmdzi sci.electronics:7635 rec.ham-radio:13251
Posted: Thu Jul 26 07:14:38 1990

Well, actually, I've never made any vacuum tubes, but I have made some semiconductor material - there used to be these nifty science experiment kits that Bell Labs put out, and in one of them you made a photocell from a wafer of silicon, rat poison, and some other wonderous stuff. I like to think it helped me pass the semiconductor physics course I took much later in college.

My Grandfather, on the other hand, used to make triode vacuum tubes all the time. Of course, he was working for Lee De Forest at the time. (BTW, gramps was a ham too - his call was 2RH, and somewhere around here I have one of his licenses, signed by Herbert Hoover. He didn't keep any of the tubes, though.) He got bored with vacuum tubes and went to work as a test pilot for Igor Sikorsky. At the age of 85, legally blind, he used to race his motorcycle around the trailer camp where he lived down in Florida, terrorizing women and children alike.

And you guys think I terrorize the net? Just wait until I get to be as wild as grandpa was....
                        - Brian

From -7556283577716363445
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3b214f75e817698
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 00:17:14 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!orion.oac.uci.edu!ucivax!ucla-cs!eel!cccph

From: cccph@eel.cs.ucla.edu (Charles Hobbs)
Newsgroups: rec.ham-radio
Subject: Re: Glen Baxter goes off the deep end (Listening Tip)
Message-ID: <37287@shemp.CS.UCLA.EDU>
Date: 26 Jul 90 02:38:44 GMT
References: <1990Jul20.165425.20551@lopez.UUCP> <7880197@hpfcdc.HP.COM>
Sender: news@CS.UCLA.EDU
Reply-To: cccph@eel.cs.ucla.edu (Charles Hobbs)
Organization: UCLA Computer Science Department
Lines: 45
Posted: Thu Jul 26 03:38:44 1990

In article <7880197@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>Re: the BARF boys' assault on K1MAN
>
>BARF's radio-terrorism is certainly entertaining, at least as much as
>K1MAN's propoganda. Why Glen Baxter was motivated to editorialize
>against the Dawg and F-Zed is beyond me. After all, he had his own
>
"The Dawg"? "F-Zed"? Sounds more like freeband than ham radio to me!

>
>
+
+ stuff deleted
+
+
>
>Re: Free Speech
>
>I think the US Amateurs take their US Consititutional rights with them
>to the shack, not realizing that SWLs and Hams in other countries may
>not understand our society. We in the US have raised free speech to an
>Art Form, allowing all sorts of marginal communication techniques to
>be used.
"Marginal communication techniques"? I hope you don't mean
deliberate interference with other stations, which I sincerely doubt
is covered by the Constitution.

>
>I've often wondered if the FCC's agreement with WARC is unconstitutional
>wrt 1st amendment. If you can't discuss politics, religion, and other
>controversial topics, why bother ? :-)
I don't think that there is any real rule against discussing these
things, just a "gentlemens agreement" in order to prevent blowups
like the 20-meter business (BARF or whoever) that is mentioned so
often in this newsgroup.

Apart from swearing, business, false emergency calls, etc., most
of the rules limiting what can be transmitted deal with third
party communications and international communications; the main point
being the protection of government/commercial common carrier services.

```
--------------------------------------------------------------
| Charles P. Hobbs      | Rail transit has arrived in LA!
| cccph@eel.cs.ucla.edu | Hear the action >right now< on
| N6YMK @ K6VE          |    >>>> 471.3375 mHz <<<<!
```

From 603652299007634923
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1cde0d2667774611
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 00:47:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!swrinde!
zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: battery questions
Message-ID: <7880204@hpfcdc.HP.COM>
Date: 25 Jul 90 20:20:32 GMT
References: <22480009@hpcuha.HP.COM>
Organization: HP Ft. Collins, Co.
Lines: 56
Posted: Wed Jul 25 21:20:32 1990

Re: NiCad charging (passing on info I just gained myself)

> How do I tell when I need to charge the batteries?

When they are discharged to the point where the radio won't run. If you need to do a full charge and they're not discharged and you don't want to risk overheating them by overcharging them, first discharge them. Put a 12V, relatively low current light bulb across the contacts till it goes dead. Then do a normal charge.

> How long do I need to charge the batteries for? (The manual says 15
> hours regardless of battery pack size.)

Then believe it. They're probably charging at 1/10 C (capacity), which is relatively inefficient, so it takes roughly 15 hours. Also, 1/10 C is low enough that the exact charging time is not critical. Not much heat is dissipated if you overcharge.

> How do I know how much battery life I have left when in the field?

You can't tell. One of the features of NiCads is a rather flat discharge curve -- the voltage doesn't drop more than about 10% until about 90% of the energy is exhausted. In theory you can measure the voltage AND TEMPERATURE and get some rough idea of the charge remaining IN A GIVEN BATTERY PACK that you calibrated earlier. Unfortunately the voltage is sensitive to both charge and temperature.

> Does the unit just die when the batteries run out or what?

Probably, I don't know, read the manual. My Yaesu turns on a little blinking indicator -- for about 30 seconds -- that I've never noticed unless looking for it. Always goes out during transmit, too. Moral: Spare pack stays charged and with the radio.

> How long can I store a charged up spare battery pack?

NiCads self-discharge on the order of months. So, rotate the packs. For short term storage (less than six months?), start with a charged pack. For longer term, start with a DISCHARGED pack. They can be stored for years without problems, though a couple of cycles might be needed to reinvigorate them.

I'm told the NiCad memory effect is largely due to cell differences in a battery pack. You can counteract this problem two ways. One, fully discharge the pack occasionally. The less-charged cells will go into reverse, but there's a "buffer zone" in how they are constructed before real harm is done. Meanwhile the more-charged cells are brought down in sync. Two, overcharge the pack with low current (1/20 C to 1/10 C) now and then. This won't hurt the fully charged cells (long as they don't get too hot, you see), and it brings up the less-charged cells.

One more tidbit. For reasons that are unclear to me, trickle charging NiCads (usually at 1/20 C), while it keeps them "ready to go" at all times with all cells fully charged, is the only typical practice that reliably destroys batteries within 3-5 years. Probably because there is energy constantly available to degrade the electrodes.

From 740017851954858482
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 00:47:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <7880205@hpfcdc.HP.COM>
Date: 25 Jul 90 20:34:02 GMT
References: <13686@shlump.nac.dec.com>
Organization: HP Ft. Collins, Co.
Lines: 13
Posted: Wed Jul 25 21:34:02 1990

While not yet having attained Extra, I also think incentive licensing isn't doing what was envisioned. On the other hand, I don't begrudge the Extras their occasional 25KHz playpens. It IS a little annoying when I accidentally key up in Extra-Land /.\ It seems that there are better things to remember than all the frequency boundaries.

Here also is another EE-type that took the Advanced written 3 times :-o

If the ARRL wanted to abolish incentive licensing, I would consider joining.

Perry Scott
KF0CA

From 8723238501232909060
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b068affc1b8c865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 00:47:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!samsung!
zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Re: Ham radio's value (Was: Re: Communicator Class) Keywords:
Message-ID: <7880202@hpfcdc.HP.COM>
Date: 25 Jul 90 19:56:29 GMT
References: <43034@apple.Apple.COM>
Organization: HP Ft. Collins, Co.
Lines: 7
Posted: Wed Jul 25 20:56:29 1990

> A few thoughts on the Communicator controversy.

A little long, but well written. I agree heartily. How about correcting the spelling of "privilege" and sending a copy to the FCC? :-)

Let's keep it simple, fun, and exciting. I just got my Tech and it wouldn't bother me a bit to have non-code Communicators sharing VHF.

From -5358826188564486539
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11c1558a88ab5334,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 01:03:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: KF5VH Proposal for Traffic in Emergency Areas
Message-ID: <7880206@hpfcdc.HP.COM>
Date: 25 Jul 90 20:41:18 GMT
References: <27651@willow.athertn.Atherton.COM>
Organization: HP Ft. Collins, Co.
Lines: 11
Posted: Wed Jul 25 21:41:18 1990

>Also, IMHO, the media are really harmful in this regard. When I got
>to Mexico City after the quake, I saw NO damage for 4 days! Everywhere
>I went in those 4 days was just fine. From the media, one got the impression

>that the whole place had fallen down. In fact, only about 1% of the
>population was killed.

This was also the case in the SF quake. It wasn't a matter of the phones being out - just a matter of everyone in the US trying to call SF at once.

Perry/KF0CA

From -4634514598711086118
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8ae1d8be28951b5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 01:03:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!samsung!
zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: CW procedure summary (long)
Message-ID: <7880208@hpfcdc.HP.COM>
Date: 25 Jul 90 21:02:57 GMT
References: <22480008@hpcuha.HP.COM>
Organization: HP Ft. Collins, Co.
Lines: 26
Posted: Wed Jul 25 22:02:57 1990

>   Question: what should I do when I need to tune up on the air
>   before transmitting the QRL? (e.g. setting up an antenna tuner
>   or testing a new antenna)?

All the transmitter Plate/Load stuff can be done into a dummy load. Another trick to minimize QRM is to initially tune the antenna tuner for maximum noise on the receiver. I tune the tuner with low (<10 watts) power, get it into the ballpark, then use full power for the "?" - listen - "QRL?" schtick. Hearing nothing, I then touch up at full power.

>   But what do you send if you didn't copy everything?
>   a) if you don't plan on asking for a repeat?
"R" :-)
>   b) if you missed something specific, like a name?
"name?" or "QTH?" or "my RST ?" right up front, followed by "bk"
>   c) if you want some unknown information repeated?
"rpt after XXXXX" or "no copy - pse qrs bk" if you're really lost.

>   Asking HOW COPY? seems to be a common practice on the novice bands.

If the other guy has a poor fist, it's usually a good idea to send this at the speed he sends, right up front. It's a real drag pounding out your name, QTH, and his RST, then getting back "no copy".

Perry

From 7841722793819241730
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b0863edfb131780
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,9b0863edfb131780
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-07-26 01:53:07 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!ucsd!sdd.hp.com!
elroy.jpl.nasa.gov!ucla-cs!eel!cccph
From: cccph@eel.cs.ucla.edu (Charles Hobbs)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Has anyone made any homemade valves (tubes), semiconductors ...
Message-ID: <37291@shemp.CS.UCLA.EDU>
Date: 26 Jul 90 05:07:27 GMT
References: <872@massey.ac.nz>
Sender: news@CS.UCLA.EDU
Reply-To: cccph@eel.cs.ucla.edu (Charles Hobbs)
Organization: UCLA Computer Science Department
Lines: 31
Xref: gmdzi sci.electronics:7638 rec.ham-radio:13258
Posted: Thu Jul 26 06:07:27 1990

In article <872@massey.ac.nz> GMoretti@massey.ac.nz (Giovanni Moretti) writes:
+
+ (stuff deleted)
+
>   You can make resistors out of pencil leads, capacitors and
>inductors are easy, headphones are possible (not easy) and you can
>use Galena (lead sulphide I think for a diode), but what about things
>with GAIN.
Homemade semiconductors, other than diodes, may be a problem;
see below.

>I've had this dream of making a triode in a peanut butter jar (a
>small strong one :=) ...
You could do this successfully if you had some way of getting a
good vacuum. (Commercial valves have chemical compounds known as
"getters" which aid in removing oxygen from the valve)

>Has anyone out there ever tried to make something like this or any
>homemade semiconductors ....
Transistors, etc. would most likely be too difficult to make at home
because of the necessity for "clean rooms" (rooms with no appreciable
level of dust floating around. Dust will short-out a transistor,
integrated circuit, etc.)

>And how about batteries with household chemicals (ie not sulphuric)
Try lemon juice....

| Charles P. Hobbs | Rail transit has arrived in LA!

| cccph@eel.cs.ucla.edu | Hear the action >right now< on
| N6YMK @ K6VE | >>>> 471.3375 mHz <<<<!

From -6262480223480092142
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,525c901bf071ea87,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 01:53:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!tut.cis.ohio-state.edu!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: subscribe
Message-ID: <9007252215.AA16750@tilde>
Date: 25 Jul 90 22:15:19 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 3
Posted: Wed Jul 25 23:15:19 1990

subscribe

Thanks

From 5732802371389336823
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e5828437963dfe4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 01:57:06 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!mcdchg!chinet!megabyte
From: megabyte@chinet.chi.il.us (Dr. Megabyte)
Newsgroups: rec.ham-radio
Subject: Should I become a ham now or wait?
Message-ID: <1990Jul25.140643.25493@chinet.chi.il.us>
Date: 25 Jul 90 14:06:43 GMT
Organization: Abacus Computers - You Can Count On Us
Lines: 36
Posted: Wed Jul 25 15:06:43 1990

As an outgrowth of my 2 years in the SWL hobbie, I've become very interested in talking as well as listening. In addition, the technical aspect of transmitting are as interesting to me as are the ones for listening. Finally, both packet holds interest for me as a crossover for my interest in radio and my interest in computers.

As I've been learning about ham radio it seems the hobbie is in a state of flux now, especially over the proposed "communicator" license. There is much debate about how and even why new hams should be licensed.
Code requirements seem to be a subject of both intellegent discussion and of mindless debate.

All of this is interesting but for myself it all boils down to this: Is getting a novice ticket now a desirable thing? Will the license structure change so radically or so differently that I will have wished I had waited? Will digital modes, commercial interests stealing freqs, no code, and the "decline" of ethics among operators so change the hobbie with in a few years that what I see that I like, the chance to share my love of meeting new people and friends who share a common technical and tinkering interst be gone?

Or is the best yet to come? I feel somewhat strange attending my local ham radi clubs meetings as I'm 27 and everyone is so OLD. On the other hand, I have a friend who is a 12 year old extra... but he didn't join the club becuase "It's judt a bunch of old guys who hate me because I'm so young." Is ham radio an "Old man's hobbie" where young people are looked down upon? It doesn't seem that way from what I hear on the air, but it seems to be at ham fests and other gatherings I go to.

Botton line: I'm learning to love radio and ham seems like the next step for me from SWL, but I have some questions and reservations I'd like to see public comment on.

--
"They Made a Thunderous noise like, like 10,000 airplanes on the roof!"
Mark E. Sunderlin: IRS Technocrat in Stephens City, VA
aka Dr. Megabyte: megabyte@chinet.chi.il.us (703) TOY-DUDE

From 553335386935370193
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6689244f30762af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 02:03:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!usc!sdd.hp.com!decwrl!ucbvax!TECNET1.JCTE.JCS.MIL!mgb
From: mgb@TECNET1.JCTE.JCS.MIL
Newsgroups: rec.ham-radio
Subject: Communicator Class
Message-ID: <9007260550.AA16647@tecnet1.jcte.jcs.mil>
Date: 26 Jul 90 05:50:27 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 22
Posted: Thu Jul 26 06:50:27 1990

<phil@ux1.cso.uiuc.edu> Phil Howard replies:

>> Well... the term "Old Fart" is really starting to get to me! I think
>> that it is now being stretched to include anyone that does not agree
>> with the currently proposed ideas for licensing. So I think that I will
>> coin a new phrase... "NEW FARTS" ... all the new Communicator Class
>> operators and no code people are now "NEW FARTS". Now we will have
>> Old Farts, and New Farts, and just plain smelly Farts and when someone
>> reaches for the chain on the toilet... we will ALL be in trouble! :-)

>How about we start calling the older and more experienced hams as "Elmer"
>instead of "Old Fart". Maybe that will encourage them to do what they
>should have been doing all along. What decent "Elmer" would fuss and moan
>about a bunch of newcomer Communicators in HIS backyard?

I agree Phil. My favorite repeater is on 220 Mhz. I welcome Communicators
to my favorite frequency AND my backyard. They can meet me on 224.84 :-)

Mark Bitterlich
mgb@tecnet1.jcte.jcs.mil

p.s. And how do you like THAT fancy footwork!

From -6996152333698229022
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 02:08:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!ucsd!sdd.hp.com!decwrl!ucbvax!TECNET1.JCTE.JCS.MIL!mgb
From: mgb@TECNET1.JCTE.JCS.MIL
Newsgroups: rec.ham-radio
Subject: Qualification-based licensing
Message-ID: <9007260546.AA16473@tecnet1.jcte.jcs.mil>
Date: 26 Jul 90 05:46:18 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 43
Posted: Thu Jul 26 06:46:18 1990

In article <38845@cci632.UUCP> cep@ccird7.UUCP (Christopher E. Piggott, WZ2B) writes:
>>Shouldn't we strive for a little more than "competence" ?

brian@ucsd.edu (Brian Kantor) replies:

>No, why? Were you an expert when you first got interested? I sure
>wasn't.

I think by "competence" Mr. Piggott meant being able to do more than turn
the "o-f-f switch to the o-n position" and push the talk button. Numerous
comments about Extra's that need to go to a hamfest to buy a 75 meter dipole
deleted. The question is: How do you define the word "competent"?

>Ham radio operators do not spring full-grown from Zeus's brow; they
>grow in skill and capability as they gain experience.

True.

>Or do you want them to become expert professional hams somewhere else
>before we let them on our bands? Get real. Everyone has to start at
>the bottom sometime.

The bottom of what? There is a minimum entry knowledge level. It is NOT the bottom. When one can pass the test and understand nothing of the material that he was tested on.. there is a problem.

>I think they'll become more than competent with time and experience.

Sometimes yes and sometimes no.

>Either that, or they'll get bored and take up another hobby. Few
>people keep doing hobbies they're not enjoying because they not good at
>them.

Do you have to be GOOD at something to enjoy doing it? I do NOT think so Brian. I am not GOOD at woodworking, but I enjoy stumbling around at it. I am NOT good at fishing, but I enjoy it.

Then there is the matter of sex........ of COURSE I am good at that! :-)

Mark Bitterlich
mgb@tecnet1.jcte.jcs.mil

From -2046055326583477439
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6689244f30762af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 02:08:45 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!ucsd!sdd.hp.com!decwrl!ucbvax!TECNET1.JCTE.JCS.MIL!mgb
From: mgb@TECNET1.JCTE.JCS.MIL
Newsgroups: rec.ham-radio
Subject: Communicator Class
Message-ID: <9007260548.AA16565@tecnet1.jcte.jcs.mil>
Date: 26 Jul 90 05:48:55 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 98
Posted: Thu Jul 26 06:48:55 1990

>> I don't know about the rest of you but I would prefer not messing up
>> my back yard! I know all the flames that this comment will generate

>OK, let's get down to the nitty gritty here....
>
>   I **DO** want them in MY backyard !!
>
>And because of the fact that I live in a rural-like area, my backyard is
>stuck at being 2 meters. I do understand that there are many many more
>hams operating on 2 meters and on UHF bands as well in the big cities, but
>FCC regulations cover the WHOLE country, not just the cities. And I think
>a rule that allowed Communicators on 2 meters ONLY in the rural areas just
>would not work.

Ok Phil.. let's for a moment suppose that the Novice License is saved. Where
THEN is the central meeting ground for ALL of HAM RADIO? Hint... Novices
already have 220 privileges. We need to populate 220.... and it has
propagation that (IMHO) rivals or exceeds that on 2 meters. Yes.. I like
the 220 band and admit I am opinionated about it.

Let's say that the current proposal goes through and Communicators get
"stuck" on 220. Are you going to push to get a repeater going on that
band? We did here for Novices, and we also put links on it to 2 meters
so that we had the OPTION to hook into it and talk to them, just like we
all have the OPTION to operate Novices on the HF allocated areas. I
believe that helping new hams should be an effort or project by local
groups and should NOT be the result of some regulation that says "here
they are folks, love em or leave em".

>> but just consider that for all practical purposes, there is NO difference
>> between 146, 222 and 440. They are ALL relativly local in coverage
>> (on average), they ALL have relativly simple equipment requirements
>> and they ALL have resident hams within easy distance over most of the
>> country. Where they are different is that more people are needed

>About HALF of the country.

And whose fault is that?

>New hams will generally appear IN PROPORTION to the old ones. That is to
>say that if we see a 40% growth in hams, we will see a 40% growth in the
>urban areas AND a 40% growth in the rural areas.

Urban areas don't count... they already have 220 repeaters.

>BUT if Communicators do NOT get on 2 meters, then you will be getting what
>you say, because the Communicators in the rural areas will be getting NO
>(usable) privileges. So what you are arguing FOR will actually be the CAUSE
>of what you basing your argument on; so I suggest doing the OPPOSITE so that
>we do not see such a thing happen.

Possibly true if we don't get off our rear ends and DO something about it
instead of trying to "make elmers out of everyone on 2 meters or else".

>> So why are we forcing one group out to make room for another? That

>Because these groups need to communicate with each other.

Novices? Novices? Novices? Novices?   What about the Novices?
This assumes that what you are saying has basis in fact. As another
poster pointed out, in urban areas 2 meter repeaters are highly segregated
into interest groups. If you ain't in dem der group... you ain't welcome.

>I would accept limiting Communicators to higher bands *IF* no more 2 meter
>only radios were being sold (except for recycled ones). If *ALL* NEW radios
>for the VHF/UHF bands had at least one COMMUNICATOR-CAPABLE band in them,

>such as the dual banders we now see being sold, then there would not be any
>issue left for putting Communicators on 2 meters. The only reason to put
>the Communicators on 2 meters is because so many hams presently HAVE ONLY
>2 METERS (as there VHF/UHF capability). Correct THAT situation and then
>there will be no problem.

We have.

>> one smacks of slum-lord tactics, later on the slum lord gets the
>> good press for "trouncing urban blight" by tearing down the slums
>> and erecting "AFFORDABLE" housing (with HUD money). Did any one
>> ask the slum lord who would be able to "afford" the housing?

>Make a point, please. Affordability is NOT an issue, really. If a new
>Communicator is on 2 meters, "Elmer" can talk to him, or buy a UHF radio
>and move up somewhere else. If the new Communicator is only on some UHF
>band, then the "Elmer" can also buy a new UHF radio to talk to him, or
>leave him alone.

EXACTLY! I like the last option. If elmer wants to help him he can buy a 220 Mhz radio and do so, or your repeater group can FUND a 220 repeater and help NOVICES too. Also don't forget that it is not too big a deal to add a 220 remote base to existing 2 meter repeaters. Is the issue one where you want to help the elmers by not making them buy rigs for those bands where we need the most development.. and driving the non-elmers off of 2 meters?

This is getting interesting huh Phil? :-)

Best Regards...

Mark Bitterlich
mgb@tecnet1.jcte.jcs.mil

From -8620626337912886578
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c1687312e470a66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 03:28:26 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!know!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!hubcap!mephisto!ncar!ico!isis!nbires!stcvax!gin
From: gin@stcvax.STORTEK.COM (George Noyes)
Newsgroups: rec.ham-radio
Subject: Re: What to do with N0MFW?
Summary: Call Sign Phonetics
Message-ID: <366@stcvax.STORTEK.COM>
Date: 25 Jul 90 19:12:39 GMT
References: <7880194@hpfcdc.HP.COM>
Organization: Storage Technology Corp. Louisville, CO
Lines: 21
Posted: Wed Jul 25 20:12:39 1990

In article <7880194@hpfcdc.HP.COM>, ajs@hpfcdc.HP.COM (Alan Silverstein) writes:
> Hi gang. If call sign games annoy you, skip out now. :-)
>
> ... N0MFW. (Please, no laughing.) The question is, what to do
> with this unhappy collection of letters.
>

I understand your concern, my old call was WA1DYU, Dumb Yellow and Uncordinated.

It could be worse, tho, one of my friends has the call: N0CH
You can imagine the phonetics I've been able to generate for his call.

Get your extra and hope for a 2X2.... (one advantage of having
an extra class license for those of you out there bickering about
communicator license vs incentive licensing.... ho ho).

73's es Good Luck!

George Noyes, W1XE

(ps you all can look me up es see I'm an extra class.....)

From -3310690604705381882
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6689244f30762af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 03:29:37 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!usc!ucsd!ucbvax!
TECNET1.JCTE.JCS.MIL!mgb
From: mgb@TECNET1.JCTE.JCS.MIL
Newsgroups: rec.ham-radio
Subject: Communicator Class
Message-ID: <9007260552.AA16664@tecnet1.jcte.jcs.mil>
Date: 26 Jul 90 05:52:59 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 84
Posted: Thu Jul 26 06:52:59 1990

zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
@tut.cis.ohio-state.edu (Gary Coffman) replies:

>>*IF* the new
>>hams did have the guts and glory to put up a new machine I very much
>>doubt that it would turn into a "CB like club".   If they put it up, the
>local (old timer) hams would flock to it like bees to honey, and the
>>Communicators that put it up would gain instant recognition and a fair
>>degree of respect.

>Well that sure hasn't happened with the Novice repeaters put up by the
>old line clubs. Listen for a while and all you hear are new Novices
>stumbling along while telling each other how desperately they want to

>upgrade as quickly as possible. The old timers (who funded the thing)
>flock to it like bees to vinegar. And five minutes after the Novice
>upgrades his 220 HT is forsale. In the old days when Novices had
>two meter voice privledges (and a one year nonrenewable timelimit),
>the Novice was able to go where the real hams were and join right in.
>He got plenty of help and encouragement.

So you are saying that the hams already on 220 Mhz, AVOID the Novices?
This is exactly what I have been talking about Gary when I predicted that
hams on 2 would AVOID the new Communicators. As far as the Novice selling
his 220 rig after he upgrades... Yes, I said EXACTLY the same thing in
another posting when I mentioned that a lot of Techs upgraded and bought
a 2 meter rig, and then stayed there forever. (That is not a dig on
"techs", it is just an observation of what I have seen in a lot of cases.
There **ARE** exceptions!)

Now wait a minute. Stop, cease and desist. Let's talk about "the old
days when Novices had voice on 2 meters". I was one of them Gary, I was
there.. I HAD that "privilege" (along with a simultaneous tech license.
Yes.. I was WA3JPY *AND* WN3JPY at the same time). What I remember about
2 meters was a Benton Harbor Lunch Box (AM) crystal control.. no repeaters
AT ALL, and about a typical 2-5 miles range (depending on how big of a
mountain you lived on). So you say the Novices were able to go where the
REAL hams were and join right in? What REAL hams? 2 meters then was like
almost 10 Ghz is today, hence my desire to have Communicators on 220 and
ABOVE. In addition the only thing you "joined right into" was a bunch of
static. Help? Encouragement? Only after the neighbors ripped my lips off
for tearing their TV reception to hell and gone! :-) Maybe if you lived
in the middle of a major city what you say might have been true... but not
anywhere else my friend.. and I was only 20 miles out of Philadelphia in
a place called Valley Forge. George Washington had better luck on 2 meters!

>Well prior to 1968 Novices DID have voice privledges on TWO METERS.
>The real point here though is that the Novice Class has always been
>considered a brief stepping stone on the way to becoming a REAL ham.
>The Communicator Class is viewed as a permanent alternative to the
>traditional license classes. Thus while the Novice will become
>socialized after he becomes a REAL ham, the Communicator never will
>unless he can freely intermix with the traditional ham.

What you say was true when the Novice License expired after one year.
Now it's good "forever". Novices ARE real hams. I like Novices more
than just about any other class. They are USUALLY the most eager to
learn and do not make any pretensions about knowing everything there is
to know about ham radio.

>>I still see the Novice as the basic entry level class... that is unless
>>they do away with it.

>No real argument here. I think the Novice license should be continued as
>a way for those who want to follow the traditional path into the hobby.
>However there are many people who would willingly study theory very hard
>in order to get a license because they understand that knowledge of

>theory is important to what they want to do with radio. Some of those people
>do strongly resist learning Morse Code, not because it is necessarily
>hard, but because they don't perceive it to be relevant to what they
>hope to do with radio. A revolution began in the 60s that has quietly
>taken firm root in the American psyche. That revolution said, in part,
>"Why should I be forced to take Latin to get a EE degree?" Ham radio
>still requires Latin for it's members and that has seriously hurt our
>recruitment.

If the test for Communicator Class requires one to study theory real hard and has an exam that looks for knowledge, instead of an ability to memorize answers then I say CW should be dropped like a hot rock.

Thanks for your reply Gary.

Mark Bitterlich
wa3jpy@wb4uou
mgb@tecnet1.jcte.jcs.mil

From -3524295212418816115
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e5828437963dfe4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 04:10:42 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Should I become a ham now or wait?
Message-ID: <16239@ucsd.Edu>
Date: 26 Jul 90 06:19:57 GMT
References: <1990Jul25.140643.25493@chinet.chi.il.us>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 12
Posted: Thu Jul 26 07:19:57 1990

Well, depending on who you believe....

```
If you don't know the code,
     but you believe that ham radio will go to hell in a handbasket
     as soon as the unwashed (er, unMorsed) barbarians are let in,
     or you don't believe the no-code license proposal will pass the
     FCC in any sort of usable shape,
          learn the code and go for it
     else
          wait
else
     go for it.
```

From 6112152465323844503
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,af673bb92c362fac

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 04:24:24 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!att!cbnewsj!k2ph
From: k2ph@cbnewsj.att.com (The QRPer)
Newsgroups: rec.ham-radio
Subject: Re: G5RV antenna
Message-ID: <1990Jul26.030022.19124@cbnewsj.att.com>
Date: 26 Jul 90 03:00:22 GMT
References: <1250204@hpnmdla.HP.COM>
Organization: QRM Central
Lines: 22
Posted: Thu Jul 26 04:00:22 1990

From article <1250204@hpnmdla.HP.COM>, by alanb@hpnmdla.HP.COM (Alan Bloom):
>
>   >see G5RV article in the ARRL Antenna Compendium. The article is by G5RV
>   >himself, the only HAM we know honored by being named after an antenna,
>   >according to Jim of RADIO WORKS.
> How about the W8JK antenna namned after John Kraus, author of the college
> textbook "Antennas"?

Although it doesn't seem to be the case anymore, all trap dipoles
used to be called W3DZZ antennas.  Still get QSLs from overseas
saying they use a W3DZZ.

****************************************************
* These lines added so our news posting program    *
* doesn't barf.  Sorry for the waste of bandwidth. *
****************************************************

--
=========================================================================
Bob Schreibmaier K2PH  | UUCP: att!oblivion!k2ph or k2ph@oblivion.att.com
AT&T Bell Laboratories | ARPA: k2ph%oblivion@att.arpa
Lincroft, N.J. 07738   | ICBM: 40o21'N, 74o8'W


From 5109816277521722820
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,af673bb92c362fac
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 04:49:41 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sol.ctr.columbia.edu!emory!emcard!wa4mei!
ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: G5RV antenna
Keywords: G5RV
Message-ID: <1093@ke4zv.UUCP>
Date: 26 Jul 90 11:49:41 GMT
References: <104332@philabs.Philips.Com>
<1990Jul25.171355.20146@mlb.semi.harris.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
```

Organization: none
Lines: 23
Posted: Thu Jul 26 12:49:41 1990

In article <1990Jul25.171355.20146@mlb.semi.harris.com>
krl@jujeh.mlb.semi.harris.com (Ken Lyons) writes:
>
>When I talked to Antennas West on the phone, I was assured that an antenna
>tuner was not required when used with a transceiver such as my Heathkit
>SB102. When the antenna arrived, however, the documentation clearly
>indicated that the antenna would be reactive at these frequencies, and
>that the antenna would operate with a high SWR. Since my transceiver is
>rated for operation at a 2:1 or better SWR, I have not been willing to
>operate with it without a tuner (unless I see someone else doing so without
>cooking the final, at least. Never mind someone just telling me so).

I routinely use the G5RV without a tuner when operating portable with my IC735.
The SWR ranges between 2:1 and 3:1 on most bands. The Icom doesn't seem
to mind this, but then Icom finals are noted for being tough. One time I
mistakenly transmitted into an open coax. The radio dropped to about 80 watts
but I had several nice QSOs before I noticed I didn't have an antenna
connected! This is definitely not a recommended practice, but some of
today's radios are more forgiving than others. I do use a tuner at home,
a Dentron MT3000A which is four times the size of the IC735. I may be
looking into a physically small tuner to take portable, but I'm not
too worried.

Gary KE4ZV

From 594143392908045041
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db283827e4818ebf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 06:31:58 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!bloom-beacon!mcgill-vision!quiche!sami
From: sami@quiche.cs.mcgill.ca (Sami BOULOS)
Newsgroups: rec.ham-radio
Subject: IC-2SAT or IC-24AT?
Message-ID: <3784@quiche.cs.mcgill.ca>
Date: 26 Jul 90 13:31:58 GMT
Organization: SOCS, McGill University, Montreal, Canada
Lines: 10
Posted: Thu Jul 26 14:31:58 1990

I am considering buying an HT, but can't decide between
the 2SAT or 24AT. Is a dual-bander worth it, or shall I stick
to 2m ?

--
Sami Boulos | McGill University
sami@quiche.cs.mcgill.ca | School of Computer Science

Tel:(514) 398-7084 (ext. 5928) | 3480 University
                               | Montreal, Quebec H3A 2A7

From 3046195400324345091
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e5828437963dfe4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 06:43:00 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!
ryn.esg.dec.com!ultnix!taber
From: taber@ultnix.enet.dec.com (Patrick Taber)
Newsgroups: rec.ham-radio
Subject: Re: Should I become a ham now or wait?
Message-ID: <2305@ryn.esg.dec.com>
Date: 26 Jul 90 13:43:00 GMT
References: <1990Jul25.140643.25493@chinet.chi.il.us>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick Taber)
Organization: Murder Inc.
Lines: 36
Posted: Thu Jul 26 14:43:00 1990

In article <1990Jul25.140643.25493@chinet.chi.il.us>, megabyte@chinet.chi.il.us
(Dr. Megabyte) writes:
|> As an outgrowth of my 2 years in the SWL hobbie, I've become very
|> interested in talking as well as listening.
[...]
|>
|> All of this is interesting but for myself it all boils down to this: Is
|> getting a novice ticket now a desirable thing?

The question works out to this: would you rather commit yourself to three weeks of
study and be licensed NOW, or wait 18 months to 2 years for it to be "easier" to get
the license? Communicator license aside, it seems to me that it's better to get the
license now and be operating while all the hoopla is going on. I doubt that there'll
be a point where you end up kicking yourself for getting the experience.

The theory exams for Novice and Tech are no big deal. If you sit and study the
code twice a day every day for 21 dyas you'll be able to get past a 5wpm exam. At
that point, you'll have everything the Communicator will have (no matter how
6 and 2 meters falls out) PLUS some HF privs *plus* all the time between three weeks
from now and whenever the first Communicator license is received.   Wadda they hafta
do -- throw in the Ginzu knives? How can you possibly go wrong?

>>>==>PStJTT
Patrick St. Joseph Teahan Taber

My employer doesn't care what I think. I, in turn, don't care what you think. You probably don't care what my empolyer thinks. Thus is life a circle.

From 1459567013398719833
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca05390d1abcff9a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 06:50:42 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcuha!jimallen
From: jimallen@hpcuha.HP.COM (Jim Allen)
Newsgroups: rec.ham-radio
Subject: Re: Possible sources for crystal earphone....PLEASE
Message-ID: <22480010@hpcuha.HP.COM>
Date: 26 Jul 90 13:50:42 GMT
References: <1278@eastman.UUCP>
Organization: Hewlett Packard, Cupertino
Lines: 11
Posted: Thu Jul 26 14:50:42 1990

A good source for any "old" radio stuff is Antique Electronic Supply in Tempe Arizona. They have a nice catalog and take phone orders with a credit card.

Their number is 602-894-9503.

Radio Daze,

Jim Allen

From -5803682583060903903
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eab4c6cb0e7b9a14,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 07:09:55 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!samsung!cs.utexas.edu!tut.cis.ohio-state.edu!uc!nachos.SSESCO.com!elmquist
From: elmquist@nachos.SSESCO.com (Chris Elmquist)
Newsgroups: rec.ham-radio
Subject: Need 88-108MHz trap for R7000
Message-ID: <212@nachos.SSESCO.com>
Date: 26 Jul 90 14:09:55 GMT
References: R7000 FM
Sender: elmquist@nachos.SSESCO.com
Organization: Chris Elmquist N0JCF

Lines: 17
Posted: Thu Jul 26 15:09:55 1990

Last time I posted something it was about the numbness of my R7000. Now it has been tuned up and works pretty well...except, I get many (too many!) images of the FM broadcast band throughout the passband of the receiver. I'm pretty certain this is due to the fact that I am line-of-sight to the tower facilities of all the FM broadcasters in the Minneapolis/St. Paul area.

I'm looking for a design or suggestions for a trap that will attenuate or remove the 88 to 108 MHz portion of the receivers passband. Has anyone else had this problem? Radio Shack sells an FM trap for TV/VCR usage (ie, it's 75 ohm) but I think I'd get alot more loss on other frequencies with that than I want to.

Any ideas? Thanks in advance... I'm tired of listening to Minnesota Public Radio on 146.34 MHz....

Chris N0JCF

From 4649337758575877780
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b0863edfb131780
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,9b0863edfb131780
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-07-26 07:17:53 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!ames!vsi1!teda!ardai
From: ardai@teda.UUCP (Mike Ardai)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Has anyone made any homemade valves (tubes), semiconductors ...
Message-ID: <11837@teda.UUCP>
Date: 26 Jul 90 14:17:53 GMT
References: <872@massey.ac.nz>
Reply-To: ardai@teda.UUCP (Mike Ardai)
Followup-To: sci.electronics
Organization: Teradyne, EDA
Lines: 12
Xref: gmdzi sci.electronics:7650 rec.ham-radio:13278
Posted: Thu Jul 26 15:17:53 1990

In article <872@massey.ac.nz> GMoretti@massey.ac.nz (Giovanni Moretti) writes:
>And how about batteries with household chemicals (ie not sulphuric)

How about using a lemon with a nail and a penny stuck in it? Or a voltaic pile made out of stacks of pennies and silver dimes with salt-soaked blotter between them?
/mike

--
\|/ Michael L. Ardai   Teradyne EDA East

```
--- -------------------------------------------------------------------------
/|\  ...!sun!teda!ardai (preferred)  or ardai@bu-pub.bu.edu


From -3603205099330567861
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7af86dfe73bbb913
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 07:24:09 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!usc!wuarchive!udel!freezer!masters
From: masters@freezer.it.udel.edu (paul masters)
Newsgroups: rec.ham-radio
Subject: Re: ICOM IC-R1 Review
Message-ID: <25709@nigel.udel.EDU>
Date: 26 Jul 90 14:24:09 GMT
References: <1990Jul26.001037.21586@portia.Stanford.EDU>
Sender: usenet@ee.udel.EDU
Reply-To: masters@freezer.it.udel.edu (paul masters)
Organization: University of Delaware -- 040 Smith Sun Lab
Lines: 16
Posted: Thu Jul 26 15:24:09 1990

In article <1990Jul26.001037.21586@portia.Stanford.EDU> paulf@jessica.Stanford.EDU
(Paul Flaherty) writes:
>
>        Review:  ICOM IC-R1 Portable Scanner
>            Paul Flaherty, N9FZX
>
>
>
>1.3 GHz.  However, an amount of S1 hash limits the useful starting frequency
>to 200 KHz.  Birdies are quite frequent below 10 MHz, generally four per

What's a birdie?
--
I will not waste chalk..I will not skateboard down the halls..I will not
burp in class..I will not instigate revolution..I will not draw naked ladies
in class..I did not see Elvis..I will not call my teacher "Hot Cakes"..
Garlic gum is not funny..They are Laughing at me, not with me.....


From -8428808859488024384
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7af86dfe73bbb913
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7af86dfe73bbb913
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-26 07:36:58 PST
Path: gmdzi!unido!mcsun!uunet!dg!lewine
From: lewine@dg.dg.com (Don Lewine)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: More ICOM IC-R1 Review
Message-ID: <668@dg.dg.com>
```

Date: 26 Jul 90 14:36:58 GMT
References: <1990Jul26.001037.21586@portia.Stanford.EDU>
Reply-To: uunet!dg!lewine (Don Lewine)
Organization: Data General, Westboro, MA.
Lines: 71
Xref: gmdzi rec.ham-radio:13414 rec.radio.shortwave:1717
Posted: Thu Jul 26 15:36:58 1990

In article <1990Jul26.001037.21586@portia.Stanford.EDU> paulf@jessica.Stanford.EDU
(Paul Flaherty) writes:
>
>   Review: ICOM IC-R1 Portable Scanner
>   Paul Flaherty, N9FZX
          Additions by Don Lewine WB2UMF

>The list price is Y54,000; actual prices vary in
>the Y43,000 to Y48,000 range. This translates to around $300US, certainly
>not bad for a miniature wideband receiver.
I got mine at Rocket Honten (main shop) in May and the price as translated
by American Express was $298. I consider this excellent for such wide coverage
and small size.

>   I bought my R1 in Akihabara, where I lucked into finding a store
>that didn't have a waiting list. Since the manual was in Japanese, it took
>me a while to investigate all of the features.
>heta desu).
When I purchased my radio the R1's were in vast supply. I went to about 12
stores and they all had multiple units. As always Rocket had the best price
as well as a sales person who spoke English and could demo the radio.
I have translated much of the manual and added many marginal notes. At some
point I will key in the operating instructions. There are lots of features
which are not obvious from looking at the radio.

>without an external antenna, WWV reception is solid, and I've had lots of
>fun listening to Radio Australia, Radio Japan, Radio Moscow, Havana, the
>BBC -- in short, the rig is indeed useful as a shortwave receiver.
I would say "useable" as a shortwave receiver. I found it to be fairly
deaf. Yes, I can hear things that are 20db over S9 on my TS940, however,
anything weaker is hopeless. Given the lack of sensitivity, the lack of
USB/LSB is not a problem.

>
>   VHF and UHF coverage is also very good.
In fact the coverage and sensitivity is so good that I would rate the radio
as an excellent buy even if it did not cover DC-30MHz.

There is a built in speaker which does a good job given that the radio is
so tiny. The R1 makes an excellent FM receiver. The Wide-Band FM mode has
good audio quality.

>
>   The R1 has all of the usual wiz - bang scanner features that one
>would expect, including selective memory and range scans. Scan rate is

```
>variable from 10 - 20 channels per second.  There is a configuration mode,
>where the scan rate, division of memory, power consumption, scan stop / start
>policy, display contrast et al can be changed as desired.
You can scan all 100 channels (no banks) or and range of channels.  You can
also scan any one of 10 frequency ranges.  One nice feature is the ability to
dump scanned frequencies into memory.

I have not been able to get the display contrast setting to do anything.  The
contrast is good, however, the control has no obvious effect.  There is a light
for the LCD for night operation.  You can also
turn off the "RCV" led to save power.

>    My overall impression is quite positive.  The R1 packs a considerable
>degree of capability into a very small package, that's very inexpensive.

I have enjoyed the R1 a great deal.  It fits inside my shirt pocket.  I have
used it to follow air traffic control when I fly in planes and I take it with
me when I travel.

I have used it to monitor cellular telephone and it does a good job of doing
that.  I was in Los Angeles this week and they seem to be using most of the
available cellular bandwidth.

Friends of mine who have used the radio liked it so much they all want to buy
one.  Looks like I will have to bring back a case of them on my next trip.

                   -- Don Lewine WB2UMF


From -1617204205090347511
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,de28f2054ceb3650
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 07:58:57 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: How to get started.
Message-ID: <1095@ke4zv.UUCP>
Date: 26 Jul 90 14:58:57 GMT
References: <30500596@ux1.cso.uiuc.edu> <1618@ole.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: none
Lines: 19
Posted: Thu Jul 26 15:58:57 1990

In article <1618@ole.UUCP> ssave@ole.UUCP (Shailendra Save) writes:
>
>   I want to be a amateur-radio operator. What is the best way to
>   get started?  Where can I get good books to get started on it,
>   is it possible to learn everything that is required for the test
>   through self-study, or is it necessary to take an official course
>   and pass it?  I should think that receiving and monitoring airwaves
```

> is perfectly alright on any radio band?
> I would appreciate any help that you can give me and any suggestions
> that you may have as to good equipment that will get me started.

You can certainly prepare for the license exam through self study. Many people have. A structured course helps some people, but it certainly is not mandatory. Get a copy of the ARRL Handbook for the theory section, a copy of Part 97 for the regulations, and a license manual and code tape and you should be all set.

Good luck!
Gary KE4ZV

From -1129519726516106866
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,effb06d9079db471,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 08:02:27 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: Home-made semiconductors etc..
Message-ID: <26.Jul.90.16:13:52.BST.#0837@UK.AC.NWL.IA>
Date: 26 Jul 90 15:02:27 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 26
Posted: Thu Jul 26 16:02:27 1990

Giovanni asks about homemade devices; well just as a demonstration I ran a digital watch module off two series-connected lemons......
Use a copper and a galvanised nail into each lemon, series-connect, and you get somewhere about 1.2 volts at a few hundred microamps. Enough to run a LCD clock chip for some weeks (until the lemons run out of juice..!)
Spanish lemons seemed to last the longest. Tangerines were no good at all. I tried a Jaffa Orange and got only 0.3 volts. Grapefruit give 0.2 volts.
Who will be the first to get the 'Fruit-powered' endorsement on their DXCC?
I have seen old diagrams for making thermionic diodes out of automobile lamp bulbs by melting a wire through the glass envelope; how you do this without destroying the vacuum is anyones guess. You could use one hell of a lot of lamp bulbs this way. But back in the 1920's a single diode tube cost a weeks wages so it was worth trying.
I remember my father telling me about electrolytic rectifiers; basically a fruit-canning jar containing an electrolyte (Sodium sulphate?) and a pair of electrodes (one lead flashing foil, the other a carbon rod) and with four of these connected in a bridge formation, you could charge a lead-acid accumulator by connecting the whole thing instead of the main power fuse on your domestic AC supply.... Apparently when the current got too high, the electrolyte used to boil over.... and smelt indescribably bad!
The lead-acid accumulator was all some people had to heat their tube filaments in the thirties.... Anyone remember tubes with 2V filaments?

Just think, we dont have this hassle with 1N5401 diodes, do we?

Pete Lucas G6WBJ   PJML@UK.AC.NERC-WALLINGFORD.IBMA   0793411613

From -4378161477070698136
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 08:19:07 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!zaphod.mps.ohio-state.edu!
wuarchive!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <1096@ke4zv.UUCP>
Date: 26 Jul 90 15:19:07 GMT
References: <900724-020327-19183@Xerox> <38845@cci632.UUCP> <16164@ucsd.Edu>
<38860@cci632.UUCP>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: none
Lines: 50
Posted: Thu Jul 26 16:19:07 1990

In article <38860@cci632.UUCP> cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
writes:
>In article <16164@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>
>>Or do you want them to become expert professional hams somewhere else
>>before we let them on our bands?
>...
>>Get real.
>
>(Thanks, I needed that. (how do you draw a sarcastic smiley face))
>
>>Everyone has to start at the bottom sometime.
>
>Certainly, you are right ... but the argument was "get rid of license
>classes" (at least, make "entry level" and "full privileges" flavors).
>I am saying, the overall quality of hams owuld fall, because either:
>
>   (1) the exams would become too hard, and people would not
>   pass
>   (2) the quality of the exams would drop even more so than
>   what we have now

The question is do we want hams with expertise in radio or do we want
hams with expertise in passing tests. One has little to do with the
other. Amateur radio is among other things a place where we are supposed
to improve our skills in the radio art through self study and experimentation.
By requiring extreme test taking skill in order to allow the experimentation
necessary to gain skill in the radio arts you create a self defeating

circle. This emphasis on test taking skills demonstrates a mindset that says that I can't know anything because I don't have any wallpaper. I find this disturbing.

>People learn in little chunks. Take a look at television, and the fact
>that shows (entertainment _and_ news) are given to us in 12-minute chunks.

Speaking as one who makes his living in commercial broadcasting, I can tell you that the reason we give you programming in 12 minute chunks is so we can bombard you with the 2 minute chunks of commercials that pay our bills. I'm sorry if you have a short attention span, but don't use commercial television as a yardstick.

>I think that it's preferable to have five short-term goals, as opposed
>to a two-step arrangement, where the quality would fall further.

If your goal is to have that Extra Class wallpaper instead of the personal satisfaction of mastering a complex electronic circuit, then I feel sorry for you. You are free to set any goals for yourself that you like, but that doesn't give you the right to mandate those same goals for everyone else.

Gary KE4ZV

From 1987804287221577919
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-26 08:32:55 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!sdd.hp.com!samsung!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Airwave Wars
Message-ID: <2768@anasaz.UUCP>
Date: 26 Jul 90 15:32:55 GMT
References: <1990Jul18.215248.11497@bellcore-2.bellcore.com> <186@bongo.UUCP> <2740@anasaz.UUCP> <188@bongo.UUCP>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 48
Posted: Thu Jul 26 16:32:55 1990

In article <188@bongo.UUCP> julian@bongo.UUCP (Julian Macassey) writes:
]In article <2740@anasaz.UUCP>, john@anasaz.UUCP (John Moore) writes:
]>   When the earthquake struck Mexico City, ALL of the HIGH TECH
]> telephone systems went down (for long distance service). Amateur 20 meter
]> communications did not. Even the US embassy was reduced to communicating
]> on 20 meters.
]
]   Ok, high tech telco stuff in mexico city? But yes, there was a
]Strowger CO in a basement that survived. The building fell on top of

]it, but it just kept clacking away. To provide international telco
]connections, British Telecom had a satellite dish and T1 feeds flown
]in and operating within 24 hours of the earthquake. This was not
]mentioned in QST, so it is going to be disputed on this forum.
]
]Yours still waiting for the penny to drop.

Julian, I didn't get my info from QST, I got it by:
(1) going to Mexico City to operate 20 meters shortly after the quake
(2) observing that 2 WEEKS after the earthquake, the US embassy had
exactly TWO telephone lines working (via satellite). I used one
of these lines to call home, and it was not a normal line - you
picked it up and a special operator in the US answered. The calls
were free.
(3) traveling to the Mexican SCT (their equivalent of FCC + telephone
company + etc) and discussing the situation with them. They
had thousands of satellite circuits available immediately after
the quake, but THEY WEREN'T CONNECTED to anything useful, because
the 10 story building housing ALL of the long distance switching
equipment had fallen down. Yes, I saw the BT switch (there was
another flown in from Sweden), but believe me, it didn't come
close to solving the problem. I've got a 35 mm slide of what used to
be the downdown switching center. My host (an engineer for
Motorola) lost a bunch of friends who worked in that building.
(4) handling traffic for the Red Cross, Salvation Army and the
Centers for Disease Control 2 WEEKS after the quake. If the
high tech phone service was so good, why didn't they use the
phone?
(5) Frequently attempting long distance calls from Mexico City for
two weeks.

Nice try, Julian, but you got your facts wrong!

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -3693208974012040414
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bf37013b4991de5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 16:44:00 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!orc!decwrl!bacchus.pa.dec.com!
shlump.nac.dec.com!ricks.enet.dec.com!reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: Re: QSLing ratios
Message-ID: <13688@shlump.nac.dec.com>
Date: 20 Jul 90 21:43:49 GMT

Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 38
Posted: Fri Jul 20 22:43:49 1990

In article <2979@nisca.ircc.ohio-state.edu>, dixon@hpuxa.ircc.ohio-state.edu (Robert S. Dixon) writes...
>
> There are other ways to send QSLs than have been discussed thus far.
>
>1. Send cards directly to DX bureaus, rather than thru the ARRL outgoing
>   service. Their addresses are in the Callbook. This saves the time for
>   ARRL to send them to the same places.

I was just at the ARRL, and learned that they ship foreign cards out every two weeks. IMHO, sending cards direct to the various bureaus only costs you extra $$ and doesn't save a significant amount of time. The real time lag is in getting the cards out of the local bureaus and into the hands of the deserving foreign DXers. Rumor has it that the Russian "Box 88" bureau is backlogged up to 2 *years*!

>2. Use a QSL forwarding service, such as N7RO. For a small fee per card,
>   he sends your cards with an SASE to any known qsl manager (he knows
>   who they are),

If you are a "Sunday afternoon" DXer, this is probably a good idea. However, if you work *a lot* of DX, you probably want to subscribe to the W6GO list. For something like $20 dollars/year, you'll get a monthly listing of all current DX stations that have managers or special direct addresses. Alternatively, see if your local DX packet cluster has the database on-line.

73, jim AD1C

=-=

"The opinions expressed here in no way represent the views of Digital Equipment Corporation."

James J. Reisert   Internet: reisert@ricks.enet.dec.com
Digital Equipment Corp.   UUCP: ...decwrl!ricks.enet!reisert
77 Reed Road
Hudson, MA 01749-2895

From -5966340154426549818
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 21:49:29 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!rutgers!bellcore-2!envy!karn

From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <1990Jul20.234127.22559@bellcore-2.bellcore.com>
Date: 20 Jul 90 23:41:27 GMT
References: <13686@shlump.nac.dec.com>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 35
Posted: Sat Jul 21 00:41:27 1990

I certainly don't have an inside channel to the FCC, but if I am correctly interpreting the many signals they have been sending over the past few years, any proposal to make the amateur license structure more complex than it already is has a snowball's chance in hell of succeeding.

Every indication is that the FCC believes the current license structure to be far more complex than it should be, and the constant stream of upgrade requests they have to process costs them real money they could be spending elsewhere. This is the reason behind their proposal to do away with the Novice and Technician as "official" classes in favor of operating under the authority of a CSCE. Their claimed inability to modify their computer software in any way is probably true, but I think it would be a mistake to believe that that's their only reason. I would wager that the FCC believes that it's time to bury incentive licensing completely; they just haven't had the courage yet to say so publicly.

The US has more classes of license than almost every other country, and by itself the Communicator will only make this worse. Many countries get along just fine with two classes: a 30 MHz and up license (no-code, of course) and another that requires code and gives all amateur privileges. It's as simple as you can get while still following the ITU regulations. I would see nothing wrong with doing the same here.

If hams want proficiency certificates for every specialized area of ham radio, let the ARRL provide them; it could become quite a profitable little industry. But the actual license requirements should be limited to the basic, universal stuff that all amateurs need to know to operate safely, to avoid interfering with others, and to demonstrate that they're at least capable of furthering the Basis and Purpose of the service.

Phil

From -5857148191359542344
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-07-20 23:00:48 PST
Path: gmdzi!unido!mcsun!uunet!samsung!umich!pmsmam!wwm
From: wwm@pmsmam.uucp (Bill Meahan)
Newsgroups: rec.ham-radio
Subject: Re: Airwave Wars
Message-ID: <1990Jul21.011745.13626@pmsmam.uucp>
Date: 21 Jul 90 01:17:45 GMT
References: <1990Jul18.215248.11497@bellcore-2.bellcore.com> <186@bongo.UUCP> <2800@wyse.wyse.com>
Reply-To: wwm@pmsmam.UUCP (Bill Meahan)
Organization: Ford Motor Co EFHD Ypsilanti Plant, Ypsilanti MI
Lines: 45
Posted: Sat Jul 21 02:17:45 1990

In article <2800@wyse.wyse.com> stevew@wyse.UUCP (Steve Wilson x2580 dept303) writes:
>In article <186@bongo.UUCP> julian@bongo.UUCP (Julian Macassey) writes:
>>Why oh why does everyone drone on about how wonderful amateur radio
>>is in an emergency? This is the U.S.A., this country has the best
>>equipped Emergency services and Armed services in the world. The U.S.
>>Armed services even have their own phone network. Do you seriously
>>think that amateurs are the lynch-pin of disaster communications?
>

A few years back, an unusually severe snowstorm blew through the Metro Detroit area resulting in blocked roads, cars lost in drifts, etc.

Of course, all resources were put into the efforts to find the lost and clear the roads. In Washtenaw County (Next to Wayne County where Detroit is) the National Guard was called out. The Washtenaw Armory was a _communications_ battalion. Guess who didn't have any mobile radios in their trucks? Guess who rode along with the Guard to supply communications? Yep - hams (me included).

A helicopter from the Detroit police was needed for a search and rescue mission. The radio in the Detroit helicopter did not have the ability to operate on any of the Washtenaw County/Ann Arbor City frequencies. Guess who was picked to ride along to provide that vital radio link? Yep -a ham (me -although the mission was cancelled at the last minute).

In other words, don't be lulled into a false sense of security because the military 'has' a lot of communications gear and the police 'have' a lot of communications gear. If it isn't there or won't work on the right frequencies - it's worthless and an alternative is required. Usually, that alternative is amateur radio.

Most public safety/commercial radio equipment is restricted to at most a few assigned channels. What's more, channels in adjacent areas are deliberately assigned in a manner to PREVENT cross communication (to reduce/eliminate interference). But who has the radio equipment that operates on a _variety_ of bands/frequencies? Us hams, that's who!

No, hams may not be the 'lynch pins' of disaster communications, but they

sure have proven (again and again and again) that they are a _highly
important_ part of the overall scheme!
--
Bill Meahan WA8TZG   uunet!mailrus!umich!pmsmam!wwm
I don't speak for Ford - the PR department does that!

Any attempt at wit is liable to offend _somebody_!

From -4246855544844678606
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,715d6eeafa9a84ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-21 00:10:59 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!
phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Communicator License Frequencies
Message-ID: <30500601@ux1.cso.uiuc.edu>
Date: 21 Jul 90 03:14:00 GMT
Lines: 47
Nf-ID: #R:<9007190347.AA12165@cmr.ncsl.nis:-38:ux1.cso.uiuc.edu:30500601:000:2313
Nf-From: ux1.cso.uiuc.edu!phil   Jul 20 22:14:00 1990
Posted: Sat Jul 21 04:14:00 1990

> In article <QXK&_7#@splut.conmicro.com>, jay@splut.conmicro.com (Jay
> "you ignorant splut!" Maynard) writes:
> |> Boo!
> |> You still haven't come up with a solution that solves both the technical
> |> and political problems involved. Any new way of allocating spectrum that
> |> won't be accepted by the ham population won't work.
>
> If by "political problems involved" you're referring to your "requirement"
> that an existing repeater allocation stay in effect forever no matter what,
> then I'm afraid there is no solution.
>
> Phil

MUCH, if not most, of the spectrum waste problems in 2 meters (and other
bands) is CAUSED by these little turf holdings by some hams.

What is needed is some spectrum PLANNING. Many of the reasons that a
repeater pair on a band is not available is because the happenchance
location of repeaters is in many places for many frequencies spaced
such that the geographical density is very low, yet they are often just
close enough to make it impossible to slip a repeater coverage area in
between 2 or 3.

Another problem is caused by the lack of use of CTCSS, anti-CTCSS, and
other features to prevent mutual interference. Back when adding just ONE
tone frequencey to an HT was expensive and difficult meant that few

repeaters would use it. Yet even then it was commonly done on UHF repeaters to make a closed repeater. Today, you can easily and cheaply add a synthesized CTCSS tone generator, and most new HT's already have it builtin.

If you want exclusive telecommunications, get a cellular phone.

Repeater coordination should become repeater planning. This should also be done on 23cm IN ADVANCE. Repeater pairs for voice should be allocated to variously sized regional areas. All but a few allocations should require the use of CTCSS to access and the tone frequency specified as part of the allocation. Then the communities wherein each allocation is set up can determine (vote?) who/how/when/where a repeater is placed.

Closed repeaters have no place in a crowded band. I cannot see where they serve the "Basis and Purpose". If the band cannot take Communicators, remove the closed repeaters first.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -5392110146362309730
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5c82c07be4ca81c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-21 00:29:54 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Communicator Frequencies
Message-ID: <30500603@ux1.cso.uiuc.edu>
Date: 21 Jul 90 03:48:00 GMT
Lines: 25
Nf-ID: #R:<9007201131.AA14956@cmr.ncsl.nis:-38:ux1.cso.uiuc.edu:30500603:000:1312
Nf-From: ux1.cso.uiuc.edu!phil   Jul 20 22:48:00 1990
Posted: Sat Jul 21 04:48:00 1990

> > There are enough "real" hams on
> > 440 that the newcomers will not lack for contact with more experienced hams
>
> I disagree. Only in major metropolitan areas is 70cm FM activity high
> enough to make this band a place to assimilate Communicators into the
> existing amateur population. Remember that there are vast areas of the
> US with little or no activity on bands other than 2m, and even on 2m
> in these areas there is plenty of room. One set of comments I saw at
> the FCC were from an amateur in northern Wisconsin who said that much
> of 2m is completely idle up there, and any extra activity (even more
> repeaters) would be most welcome.
>
> Phil

Here in Urbana-Champaign we have 4 2 meter repeaters and only 1 of them gets any significant activity. It does get MORE activity than virtually all repeaters in the major metropolitan areas. There are NO repeaters on any other band. Fortunately if Communicators are limited to 220 Mhz and up we would have a repeater on 70cm (almost have one now). But this is still a somewhat larger city (100,000 population). There are so many smaller places left that have between 0 and 1 repeater.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -3861508546099283738
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,715d6eeafa9a84ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-21 00:30:16 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!uwm.edu!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Communicator License Frequencies
Message-ID: <30500599@ux1.cso.uiuc.edu>
Date: 21 Jul 90 03:00:00 GMT
Lines: 32
Nf-ID: #R:<9007190347.AA12165@cmr.ncsl.nis:-38:ux1.cso.uiuc.edu:30500599:000:1597
Nf-From: ux1.cso.uiuc.edu!phil   Jul 20 22:00:00 1990
Posted: Sat Jul 21 04:00:00 1990

> >"We gave you the no-code Communicator class because you said it would bring
> >in people who would populate the microwave bands. Now N years have passed
> >and all the Communicators are on 2-m FM, and the 220-and-up ham bands are
> >still as empty as ever."
> >What would your answer be, Phil?
>
> "It's obvious that it's time for all of us (Communicator and otherwise)
> to move on up to the higher bands to relieve the congestion on 2m. And
> perhaps we might even try some new ways of allocating spectrum on 2m so
> we can relieve the congestion there."

And of course it would be wrong to make Communicators develop the microwave bands all by themselves. The rest of us are needed to make sure it goes right. Also Communicators need to have some experience with 2 meters as well so they know what NOT to do.

> As the old saying goes, necessity is the mother of invention. But I'd
> rather the necessity come in the form of new amateurs (i.e., Communicators)
> than because most of our bands were no longer assigned to the amateur
> service. If you think 2m is crowded now, try scanning the land mobile
> bands.

Compared to land mobile, 2 meters is deserted. Just try to get ONE frequency in the land mobile service for you fleet of 200 pizza delivery trucks in any major metropolitan area.

If people think 2 meters is crowded now, let then describe it to me in 16 years when 144.0-144.4 is the only ham band left above 28.8 Mhz.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -6059993198136809702
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-21 00:30:30 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <30500604@ux1.cso.uiuc.edu>
Date: 21 Jul 90 04:26:00 GMT
References: <13686@shlump.nac.dec.com>
Lines: 10
Nf-ID: #R:shlump.nac.dec.com:13686:ux1.cso.uiuc.edu:30500604:000:434
Nf-From: ux1.cso.uiuc.edu!phil   Jul 20 23:26:00 1990
Posted: Sat Jul 21 05:26:00 1990

Fred, you left out the TECHNICIAN class license. But that would make things more complex, and as Phil Karn points out, that's the wrong direction to be going.

MAYBE access to the CW only portions of VHF should require a CW test, but NOTHING else has any need for it whatsoever.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -3294084010813862277
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,be9fe4647bc6e60b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-21 00:30:33 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!maverick.ksu.ksu.edu!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Intermodulation
Message-ID: <30500598@ux1.cso.uiuc.edu>

```
Date: 21 Jul 90 00:52:00 GMT
References: <3913@rodan.acs.syr.edu>
Lines: 64
Nf-ID: #R:rodan.acs.syr.edu:3913:ux1.cso.uiuc.edu:30500598:000:3699
Nf-From: ux1.cso.uiuc.edu!phil    Jul 20 19:52:00 1990
Posted: Sat Jul 21 01:52:00 1990


> Tune the receiver to one of the possible intermodulation signals and note the
> signal strength.  Insert the attenuator in the antenna lead (usually a six to
> ten decibel attenuator is used) and again note the signal strength.  If the
> intermodulation signal is being generated in the receiver, its signal strengt
> will be attenuated by twice the value of the attenuator.  Other signals will
                         ^^^^^
> only be attenuated by the value of the attenuator.  Since John is so close to
> the stations, it may be necessary to use a second attenuator to reduce the
> overall signal strengths to levels near the mid-point of his S-meter.

Because the products are THIRD ORDER they will be attenuated by THREE times
the attenuator value.  These products are THIRD ORDER because the second
harmonic of one of them is involved in a product.  The second harmonic (go
try it and see) will be attenuated by twice the attenuator value.  One can
also think of these products as being formed by taking the DIFFERENCE between
the two signals (800 khz) and intermodulating one or the other of them with
that difference.

If you see only the attenuator reduction, your receiver is POSSIBLY clean.
If you see a PARTIAL reduction (this is why I felt it necessary to pick nits
here) then you have SOME intermod in the receiver and some OUTSIDE of the
receiver.  Also, an OVER attenuation (e.g. more than three times) could also
mean the same thing.  The coincident phases of several intermod sources can
always confuse the issues.  No matter what the results, try several receiver
locations and verify your results as consistent before basing anything on them.

> If the intermodulation is being generated by the transmitters (or any place
> other than in his receiver) the attenuator will reduce all of the signals by
> the same amount.  If the intermodulation is being produced in his receiver,
> its strength will be proportional to the product of the input signals.  If bo
> input signals are attenuated by 6 db, for example, the product will be
> attenuated by 12 db.

18 db for THIRD order.

> If it is found that the intermodulation is not being generated in the
> receiver, the cause may not really be with the transmitters.  Any nonlinear o
> rectifying junction in the immediate vicinity of the transmitter antennas can
> cause the mixing process that produces intermodulation.  Look for rusted or
> corroded joints or connections near the tower.  Determine whether the problem
> is worse in dry or wet weather or when the wind blows.  This can really take
> some time to do this detective work.

This is the case where things get tough due to multiple reradiation sources
and the resultant pattern.
```

```
> Data on the blocking characteristics of receivers or on their third order
                                                                ^^^^^^^^^^^
> intercept point is rarely available except on expensive communications
> receivers and amateur radio receivers.  As more and more sources of radio
> frequency energy become situated near the public, we can expect to see more
> problems like intermodulation and radio frequency interference.
```

Such data would also be less useful for cheaper receivers as the production consistencies are also usually worse.

Notice the term "third order" here. The reason that THIRD, as opposed to SECOND or FOURTH, is useful here is that THIRD order products end up back on the same band as the generating signals. And this is exactly the case we are running into with the 2 FM stations.

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<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -4338347514022810325
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c9a93a96d4eddd4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-21 00:30:43 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!uwm.edu!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Communicator Class Examinations
Message-ID: <30500602@ux1.cso.uiuc.edu>
Date: 21 Jul 90 03:35:00 GMT
References: <14@<12606998453>
Lines: 56
Nf-ID: #R:<12606998453:14:ux1.cso.uiuc.edu:30500602:000:3226
Nf-From: ux1.cso.uiuc.edu!phil   Jul 20 22:35:00 1990
Posted: Sat Jul 21 04:35:00 1990

> As one who finally made the decision to just learn the code rather than wait for some action by the FCC (which BTW I learned in about 14 days to the 5 WPM level), I think Ken Hendrickson is goning a little overboard on new testing requirements. What he describes is an examination for a computer scientist, or EE who specialized in computer systems. Only the last two categories relate directly to communications as such. I favor a written exam that demonstrates that the licensee has a sufficient knowledge and understanding of ham radio and radio operation required to operate within those boundaries.
>
> What appears to be happening is that the no-code proponents, sensing the ultimate futility of total opposition, now wish to place such an extreme testing burden on Communicator class entrants that very few people will take or pass the exam. The end result of this argument is

> still the same: exclude all but the most technically educated unless
> you learn the code.

The only reasonable thing to test for is the basics needed to access and SHARE the radio spectrum. These areas need to be covered:

1. Rules and regulations
2. Operator procedures
3. Radio theory

Testing on computers, networking, television, astronomy, geodetics, meterology, morse code, foreign languages, etc., just has no place in determining whether or not one knows how to properly use radio.

> Let's enforce a uniform standard. If you propose a tough new exam with the technical level described, then how about we reexamine ALL current license holders as well - what's good for the goose should be good for the gander. You might find someone who can pass the stiff exam looking down their nose at you as technically ignorant, otherwise.

That might be an idea, but the proposed tests are off base in the first place so I don't see why we need to bother.

> Look, I learned the code so I could get a license, period. Now I find that supporting a wife, two kids, a dog, and a house means I can't get on the air at my own QTH anywhere in the near future, unless I build my own. You are missing the best filter there is: money. I'm personally convinced that anyone who can hear can learn code, given the attitude that it can be learned. I'm willing to wager (but not much 8-)) that many people waiting for a no-code class still won't get their ticket because studying for the exam will be too much trouble.

Money is an indiscriminant filter. Perhaps you would be an excellent ham and contribute greatly in some way, but money is filtering you. Doesn't that somehow seem wrong? Some of the LIDs that make life miserable for people on 20 meters have a couple of 10 KW linears feeding 3 inch hardline to the top of a 500 foot tower where the stack of 4 6-element yagis is, from atop their exclusive mountain retreat. Yeah, I'm exagerating just a bit, but having money does NOT make one a GOOD HAM.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -1174554621536708733
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3b214f75e817698,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a3b214f75e817698,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-21 00:50:34 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.radio.shortwave,rec.ham-radio

Subject: Glen Baxter goes off the deep end (Listening Tip)
Keywords: The 20m insanity continues
Message-ID: <1990Jul20.165425.20551@lopez.UUCP>
Date: 20 Jul 90 16:54:25 GMT
Followup-To: rec.ham-radio
Organization: Great White North/UPlink
Lines: 112
Xref: gmdzi rec.radio.shortwave:1651 rec.ham-radio:13082
Posted: Fri Jul 20 17:54:25 1990

I admit it, I like listening to the insanity that has permeated the ham 20 meter band lately. I suppose it is the same fascination that makes some people gawk at a barroom brawl.

Well the boys have picked a new hangout, and it is easy to see why. If you are an SWL, and NOT a ham, I suppose I should take a moment to say that this behaviour is terrible, and REAL hams do not act this way, and I am supposed to be disgusted with "Hams acting like CB'ers" (That always starts a fight, as I know some pretty good 11 meter operators). OK. That said we continue:

For over a year now, there has been a "War" on the 20 meter band. The players include members of the MARITIME MOBILE and INTERCONTINENTAL nets, famous meeting places for traffic handling, including many phone patches for boaters. An opposing group, known as BARF (Better Amateur Radio Federation), claim that this phone patching is illegal, and they hold forth with LONG dissertations against patching. These talks turn into heated arguments, where often the issue is lost, and the name calling and caterwalling turns into a full blown knock down drag out.

Have your popcorn ready.

The fights were confined to 14.313, the frequency used by the NETS, and 14.300, where the nets moved to get away from the noise and insanity. All day and night, on one of these two frequencies (SWL's you will need to use UPPER SIDEBAND to listen, using a BFO or USB switch if your radio has one). It is a good lesson in human behaviour studies, and may not be YOUR cup of tea. Still EVERYONE should at least listen to get the picture at least once.

Lately though, at least this past week, the war has moved to new ground. 14.275mhz. The normal home of IARN, the International Amateur Radio Network, has been total chaos. Glen Baxter, K1MAN, who operates the IARN, is a self appointed "bulletin station" He has regularly scheduled "Broadcasts" on the frequency all day long. These 45minute shows (Can you guess he uses C-90 tapes?) are supposed to be news and information for hams, and as such, are supposedly legal under FCC rules, Because the ARRL (Amateur Radio Relay League) operates its own bulletin station (W1AW) which also transmits bulletins of information about ham radio to the ham radio public at large. FCC rules were clearly written to permit this operation (One way transmission for other hams, not for the general public)... BUT it also opens the door for people like Glen Baxter, who is a frustrated radio broadcaster. His bulletin transmissions are as slick as he can make them, with many different voices, and reports taped from other services. Often, very often, these transmissions include "Editorial Comment". One could argue that such comments are just the other side of the scope of "Information Bulletins". Glen is such an egotist that I am constantly astounded at his audacity.

This past week, Glen brought upon himself and his chosen "Official IARN Frequency", the wrath of the entire bunch of 20 meter rowdies. As I type this article, none other than WA4D (The Dog) is holding forth doing his dog thing. (Some think the dog is THE most obnoxious operator in ham radio, one thing for sure, he is NOT shy).

How did the insanity move to 14.275? Well this past weeks K1MAN "news bulletin program" Transmitted several times each day for the entire past 7 days, was a Tirade against two other operators, namely KV4FZ (Herb) and WB4GDP (Bob). For over 30 minutes, Glen heaped charge upon charge against these operators, which to THIS reporter seem quite libelous. Some of the things Baxter says defame the two operators (They are both KEY BARF members, and both highly controvercial to begin with) Of course, Herb and the boys were not going to let the challenge go untested, so they started holding forth on 14275, and when Glen's regularly scheduled "broadcast" came on the air, They cried that they were being QRMed, and then took the broadcast apart point by point. Following the broadcast, they ripped Glen apart in a manner similar to how he tore into them. Not only giving rebuttals, but pointing out character flaws, and presumed personality defects, with just a touch of verbal assassination.

My personal opinion is that Glen's most recent "broadcasts" (the term he uses, though broadcasting is forbidden by hams) have no place as an information bulletin. It is a way for Glen to express his personal vendetta against other operators in an automated tape playback several times a day. This is not wise spectrum use in the opinion of THIS operator, and further, he complicates things by causing the insanity to crank up on his own 14.275. All week, it has been total bedlam on this frequency from Early morning to Late night. I KNOW these signals propogate to Europe.

You listen and you are either amused or appaled. Those who remember the "golden age" of ham radio, where nothing controvercial was ever discussed, where manners counted, and nobody said "darn".... This type of Ham or SWL will find the current happenings on 14.275 (and 14.313 and 14.000, and others) patently offensive. Those "glory days" are gone. You adapt, or you unplug the antennas.

At times it is total Chaos, Seems as if 20 people are yelling at once. Like I said, it compares to a barroom brawl.

It is real people, BEING real people. It is worth a listen, so you can draw your own conclusions. No one can listen constantly to this stuff, but it is a good study in human relationships.

Disclaimer: If you are a shortwave listener considering ham radio as a hobby, you should listen to many other frequencies. Like USENET, The ham bands contain a cross section of humanity, and you CAN make wonderful friendships, and have fascinating discussions in real time with people all over the world. The 20 meter mess is not the way most of ham radio conducts itself, any more than the guys throwing punches in a bar typify all those who frequent said establishments.

That out of the way, tune in and gawk a bit. It's fun. And if you are a ham and DARE to transmit, be sure and sign you call. It will make you stand out in the crowd....

```
--
=Marquette MI: It's Not the END of the world, but you can see it from here=
==  Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash)  GWN UPLink  ==
==  3.950  Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================
```

From -3992268579017637237
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6689244f30762af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-21 01:23:07 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Communicator Class
Message-ID: <30500605@ux1.cso.uiuc.edu>
Date: 21 Jul 90 04:45:00 GMT
Lines: 93
Nf-ID: #R:<9007202223.AA23127@tecnet1.jcte:-41:ux1.cso.uiuc.edu:30500605:000:4909
Nf-From: ux1.cso.uiuc.edu!phil   Jul 20 23:45:00 1990
Posted: Sat Jul 21 05:45:00 1990

From: mgb@TECNET1.JCTE.JCS.MIL

> Phil Karn speaks of giving 2 & 6 meter privileges to the Communicator Class
> and goes into a lot of reasons why. Let me state my observations.
>
> In this area we have ONE 220 repeater. It is up on a 2000 foot tower and
> has GREAT coverage but NO autopatch. Novices run right out and buy 220
> rigs and get on voice VERY quickly. Out of 10 Novices licensed in the last
> 4 months... EVERY ONE OF THEM BOUGHT 220 RIGS! (Most also bought the Uniden
> 10 meter rig... voice again)
>
> We also have a few 2 meter repeaters that LINK into the 220 repeater. In
> talking to these new hams it was found that their number one desire was to
> upgrade to "Tech" so that they could get on 2 meters directly.

Probably to get access to the other repeaters their hear (about) but cannot use. The 220 Mhz band is just not built up enough yet. That's part of the reason we lost a big chunk of it.

> Out of those 10 Novices... all but one has now upgraded to Tech or above,
> and every one of them now has a 2 meter rig, and ALL of them want to SELL
> their 220 radios.

I'm looking for an Icom one now.......oops that should be on r.h-r.swap.

> In looking over the local clubs roster it is clearly seen that a LOT of the
> Technicians never upgrade any further. They are happy with what they have,
> feel no desire to get active on HF, and so... they stay where they are....
> usually on 2 meters.
>
> As you can see then, my personal opinion is somewhat biased by the local
> experience that I have just described. I realize that I can not take this
> one example and apply it to the whole U.S. of A., but none-the-less, I am
> left with the definate message that if you allow Communicators on 2 meters
> right off the gitgo.... then that is where they will stay for a LONG LONG
> time.

If the situation is such that 2 meters is all that you need, then there is
nothing wrong with everyone staying on 2 meters. If this were the case in
the whole country, I'd just petition the FCC to hand everything above 220
Mhz over to the land mobile service where it is needed. Where I live the
situation is pretty much the same. 220 Mhz is a wasteland. 440 Mhz is
barely sticking its finger above the water. 902 Mhz and up is virgin.

> Another person (I think it was Phil Howard.. sorry if I am wrong Phil) made
> some mention of this being a good thing as it would drive the original
> developers of 2 meters into moving on to the higher bands. I must question

It was me.

> this observation. Hams don't like to be FORCED to do ANYTHING :-) I mean

They probably NEED it, though. MOST people will do NOTHING if they can get
away with it.

> who does? If the congestion on 2 reaches the proportions that are predicted,
> then the much more likely event to occur (IMHO) is that the new Communicators
> will be ostracized and treated like unwanted scum by enough hams that these
> people will be alienated from our hobby in rapid fashion, or will get really
> mad and will start fighting back in the form of jamming and other nasty
> tricks. Don't get me wrong... I don't LIKE that prediction (!!!!), it just
> happens to be the way I see it happening after watching 14.313, portions of
> 75 meters, and repeater wars on 2 meters a few years ago.

The hams who would have that attitude are the real scum, and if they get
forced elsewhere or off ham radio entirely, I'd be SOOOO happy.

> Phil Karn's recommendations are especially apt *IF* we lived in a perfect
> world. Given the way things are in this part of the country, I can not see
> these ideas working the way that he predicts. Thus I have to say that it
> is my personal opinion that the Communicator Class should be limited to 220

> and above.

It will fail there.

But let's look at it in different terms. Most people have been addressing the issue in terms of "entry level". What I would like to ask is this: "what justifies having a code test at all for access to 50 Mhz and up?" Why not just have a no code version of Technician by deleting the HF privileges and the code test?

Maybe we need entry level or maybe we don't. But what we do need is a basic way to access the amateur radio privileges without testing for anything that does not directly pertain to the privileges being granted. We've heard "gloom and doom" stories of what will happen to ham radio if we don't adopt a "no-code" license, but let me add one more for you: Imagine a COURT ORDERED set of rule changes that come about as a result of a law suit that is based on the fact that a code test unfairly disciminates. If that happens you won't have even a say in what the structure will be anymore. Let's clean it up and clean it up now before something really awful happens.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -5477063321229265541
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2ce7baa08feab193,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-21 01:31:51 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!decwrl!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Reliability of rigs left on
Message-ID: <9007210045.AA01728@tilde>
Date: 21 Jul 90 00:45:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Sat Jul 21 01:45:00 1990

Len, WF2V says "I don't think you will have a problem leaving your rig on all the time (unless it is a heathkit)....
Wait a minute. I'm using a SB-102. What will happen if I leave it on all the time? I haven't yet, but have left it on for hours on end (as opposed to "all the time"). What harm am I doing to it? Or specifically, what harm am I doing because it is a Heathkit that I wouldn't be doing if it were, say, a Drake? This is a serious query, not a flame.

73,
Dube Todd

From 7361097716097235697
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,23ce7bea23c35552,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-21 01:34:06 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!mcdphx!phx.mcd.mot.com!mkook
From: mkook@phx.mcd.mot.com (Mat Cucuzella)
Newsgroups: rec.ham-radio
Subject: Did anybody get an AR1000
Message-ID: <13252@mcdphx.phx.mcd.mot.com>
Date: 21 Jul 90 07:15:23 GMT
Sender: listen@mcdphx.phx.mcd.mot.com
Reply-To: mkook@phx.mcd.mot.com (Mat Cucuzella)
Organization: Motorola Microcomputer Division, Tempe, Az.
Lines: 10
Posted: Sat Jul 21 08:15:23 1990
References:

A while ago, I heard about the AOR AR1000 hand held scanner with continuous coverage between 8-600 and 805-1300 MHz. Does anyone have one? How do you like it, etc...

```
+-----------------------------++-------------++-------------------------+
| Mat Cucuzella               || -K o o K-   || Remember, if you're     |
|                             ||     |       || not the lead dog, the   |
| mkook@phx.mcd.mot.com       ||     -       || scenery never changes!  |
+-----------------------------++-------------++-------------------------+
```

From -2285761051449997593
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1e64fe7313d2cf1f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-21 11:48:26 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!tut.cis.ohio-state.edu!uoft02.utoledo.edu!grx0644
From: grx0644@uoft02.utoledo.edu
Newsgroups: rec.ham-radio
Subject: Re: Leap second/WWV
Message-ID: <1990Jul21.034112.1187@uoft02.utoledo.edu>
Date: 21 Jul 90 08:41:12 GMT
References: <9007171447.AA23953@ucsd.edu> <25997@usc.edu> <14482@burdvax.PRC.Unisys.COM>
Lines: 16
Posted: Sat Jul 21 09:41:12 1990

In article <14482@burdvax.PRC.Unisys.COM>, techpubs@PRC.Unisys.COM (Technical Pub. Vince Short) writes:
> Perhaps someone from both places should
> have checked with WWV (which of course showed the correct time, with the
> one second added at midnight 5 hours earlier than EST.)

Speaking of WWV, can anyone list the specific frequency that WWV broadcasts on?
--

```
+------------------------------+---------------------------------------------+
| Tony Schliesser:             | This Space for Rent
|  GRX0644 @ UOFT02.BITNET     |
|  GRX0644 @ UOFT02.UTOLEDO.EDU|
|  FAC2966 @ UOFT01.BITNET     |
|  FAC2966 @ UOFT01.UTOLEDO.EDU|
|                              |
+------------------------------+---------------------------------------------+
```

From 2551524097703988697
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,715d6eeafa9a84ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-21 11:49:30 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!texbell!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Communicator License Frequencies
Message-ID: <JVL&0LA@splut.conmicro.com>
Date: 21 Jul 90 13:08:26 GMT
References: <9007190347.AA12165@cmr.ncsl.nist.gov>
<1990Jul19.050427.12730@bellcore-2.bellcore.com> <QXK&_7#@splut.conmicro.com>
<1990Jul20.182133.21406@bellcore-2.bellcore.com>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 25
Posted: Sat Jul 21 14:08:26 1990

In article <1990Jul20.182133.21406@bellcore-2.bellcore.com>
karn@thumper.bellcore.com writes:
>In article <QXK&_7#@splut.conmicro.com>, jay@splut.conmicro.com (Jay
>"you ignorant splut!" Maynard) writes:
>|> You still haven't come up with a solution that solves both the technical
>|> and political problems involved. Any new way of allocating spectrum that
>|> won't be accepted by the ham population won't work.
>If by "political problems involved" you're referring to your "requirement"
>that an existing repeater allocation stay in effect forever no matter what,
>then I'm afraid there is no solution.

If you can come up with a way to revoke someone's allocation for an operating repeater that he'll accept, then I'm all ears.

Like it or not, that's a problem that _must_ be solved before you can redesign the frequency coordination system. If you don't believe me, I suggest you do frequency coordination your way for a while - and see how many repeaters you list as uncoordinated because they wouldn't change frequency and share one with another repeater, or go off the air, just because you told them to.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
"It's a hardware bug!" "It's a      +----------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_
```

From 3051702839581444186
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-21 12:55:32 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <15961@ucsd.Edu>
Date: 21 Jul 90 18:25:37 GMT
References: <13686@shlump.nac.dec.com>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 18
Posted: Sat Jul 21 19:25:37 1990

What a load of crap.

There should be only two classes of ham license: one has a minimal code requirement to satisfy international treaty and allows operation below 30 MHz; the other doesn't. Both have questions on regulations, procedures, and technical matters to ensure that the applicant is competant to install, operate, and maintain a ham radio station.

Nothing else is needed!

If you want to hang paper on the wall or prove how good you are at passing exams, the ARRL will no doubt provide voluntary technical and operating exams, just as they currently provide code proficiency certificates. The people who want them will jump through the hoops to get them and the rest of us will do whatever ham radio means to us.

Incentive licensing sucks hard. Let's abolish it.
     - Brian

From -8361259635528388470
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe1482054b817262
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-21 12:56:41 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!mailrus!tut.cis.ohio-state.edu!rutgers!cmcl2!sbcs!ameristar!rick
From: rick@ameristar (Rick Spanbauer)
Newsgroups: rec.ham-radio
Subject: Re: Cellular telephone as emergency service?

Message-ID: <1990Jul21.164302.19756@ameristar>
Date: 21 Jul 90 16:43:02 GMT
References: <9007192350.AA07535@ucsd.edu> <1990Jul20.175844.8030@ariel.unm.edu>
Organization: Ameristar Technology, Inc
Lines: 36
Posted: Sat Jul 21 17:43:02 1990

In article <1990Jul20.175844.8030@ariel.unm.edu> ee5391aa@hydra.unm.edu (Duke McMullan n5gax) writes:
>What happens to the local cellular nodes when the fewmets hit the windmill?
>IMHO again, the service would go "suddenly and dramatically to hell" as
>dozens/hundreds of nervous folks tried to get on the air at the same time.

From the technical standpoint, the cellular equipment could be made sufficiently robust (probably more so than ham equipment since it would be funded from pre-taxed dollars) to ride through many types of problems. And if the upcoming digital/satellite modes free the dependence of cellular from the landline telco networks, then the service will be even more reliable in the face of disaster.

>So what really happens? Can anyone in the Bay area tell us what happened on
>the cellular links during the big shakeup a while back? Some of you must
>KNOW what happens to the cellular services in these situations. Would
>you be willing to share your tales?

The other interesting question is how amateur radio did during the bay area earthquake in terms of equipment availability, message flow, and congestion of channels.

Is preparing for the once in a century event worth the expenditure of billions of dollars worth of spectrum (eg wouldn't reusing parts of the land mobile bands during times of disaster be just as effective)? Equivalently, is all the spectrum allocated to amateur radio needed to fulfill the public service role (or would 3-4 mHz do)? It would seem that the public service role of any radio service is multifaceted, ie cellular radio operators reporting motor vehicle accidents are no less important to the cause as the amateur radio types who help out in natural disasters. IMHO, amateur radio shouldn't rely on any one source of political currency to pay for its spectrum allocation.

>   Duke McMullan n5gax nss13429r phon505-255-4642 ee5391aa@hydra.unm.edu

Rick Spanbauer/WB2CFV
Ameristar Technology

From -4047007145831166048
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-21 12:57:34 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!rutgers!bellcore-2!thumper!karn

From: karn@thumper..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Airwave Wars
Message-ID: <1990Jul21.180642.27463@bellcore-2.bellcore.com>
Date: 21 Jul 90 18:06:42 GMT
References: <1990Jul18.215248.11497@bellcore-2.bellcore.com>
<7880192@hpfcdc.HP.COM>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 18
Posted: Sat Jul 21 19:06:42 1990

In article <7880192@hpfcdc.HP.COM> ajs@hpfcdc.HP.COM (Alan Silverstein) writes:
>> ...California Highway Patrol logged 200,000 calls to its 911 emergency
>> number from drivers using cellular phones."
>
>And how many from hams through phone patches?

A much smaller number, I would say. Note that this 200,000 figure was just for one (albeit big) state, and only for nine months. I regularly scan a half dozen local repeaters on my daily commute in the NNJ area and I'd say that I hear maybe one autopatch to the police every week at the most. I'd be interested in seeing more scientific figures, perhaps the League people on the net have them.

Bear in mind when comparing these figures that cellular phones currently use about 40 MHz of spectrum, compared to the 69 MHz of spectrum between 30 and 1000 MHz that is currently allocated to the amateur service.

Phil

From -1936989302548923669
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-21 15:22:50 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!zaphod.mps.ohio-state.edu!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: Airwave Wars
Message-ID: <26081@usc.edu>
Date: 21 Jul 90 21:30:45 GMT
References: <1990Jul18.215248.11497@bellcore-2.bellcore.com>
<7880192@hpfcdc.HP.COM> <1990Jul21.180642.27463@bellcore-2.bellcore.com>
Sender: news@usc.edu
Organization: EE-Systems, USC, Los Angeles
Lines: 25
Posted: Sat Jul 21 22:30:45 1990

In article <1990Jul21.180642.27463@bellcore-2.bellcore.com>

karn@thumper.bellcore.com (Phil R. Karn) writes:
>Bear in mind when comparing these figures that cellular phones currently
>use about 40 MHz of spectrum, compared to the 69 MHz of spectrum between
>30 and 1000 MHz that is currently allocated to the amateur service.

This is not a fair comparison. There are many other modes of
communication employed in the amateur spectrum, than just FM voice
repeaters. If we examine the ARRL band plan, we find:

Band	Spectrum for FM voice repeaters (inputs and outputs)
6 m	2 MHz
2 m	2.23 MHz
1.25 m	2.08 MHz
70 cm	6 MHz
33 cm	6 MHz
Total:	18.3 MHz

I do not voice a comment on whether this amount of spectrum for FM voice
repeaters is too little, just right, or too much. I'm sure I know what
Phil thinks. I do agree that spectrum has to be set aside and allocated
for all special interests.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From 7431310618151267950
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-21 16:07:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Airwave Wars
Message-ID: <2740@anasaz.UUCP>
Date: 21 Jul 90 04:34:02 GMT
References: <1990Jul18.215248.11497@bellcore-2.bellcore.com> <186@bongo.UUCP>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 95
Posted: Sat Jul 21 05:34:02 1990

In article <186@bongo.UUCP> julian@bongo.UUCP (Julian Macassey) writes:
>In article <1990Jul18.215248.11497@bellcore-2.bellcore.com>,
karn@envy.bellcore.com (Phil R. Karn) writes:
]> Among the interesting tidbits is the following quoted from the sidebar
]> on page 51: "In the first nine months of 1988, the California Highway
]> Patrol logged 200,000 calls to its 911 emergency number from drivers
]> using cellular phones." Food for thought to those who tout the
]> emergency/public service aspects of amateur radio.
]>

]> In fact, this article should scare the hell out of any amateur
]> concerned about the future of the service.
]>
]   Why oh why does everyone drone on about how wonderful amateur radio
]is in an emergency? This is the U.S.A., this country has the best
]equipped Emergency services and Armed services in the world. The U.S.
]Armed services even have their own phone network. Do you seriously

I have relayed air force inter-unit traffic on 14.325 because they couldn't communicate on their own channels. Also White House traffic.

]think that amateurs are the lynch-pin of disaster communications?
]
]   In my cynicism I suspect the ARRL is behind this stuff. It somehow
]reminds me of NRA stance of "A high powered automatic weapon in every
]home will reduce crime".

[remainder of rather offensive posting deleted]

You understand the emergency aspects of amateur radio about as well as you understand gun control! As one who has been involved in a number of natural disasters (floods in Arizona, Mexico City earthquake operating from Mexico City, Hurricanes Hugo and Gilbert, to name a few), I can categorically tell you that amateur radio disaster communication is valuable and, in some cases, irreplacable.

When the National Hurricane Center in Miami needed the Hugo eye coordinates while it was in Charleston, they didn't use all that high tech stuff, because IT DIDN'T WORK. Ham communications, using ad-hoc, strung together at that moment networks, did!

When the earthquake struck Mexico City, ALL of the HIGH TECH telephone systems went down (for long distance service). Amateur 20 meter communications did not. Even the US embassy was reduced to communicating on 20 meters.

When the British Navy needed to land a helicopter on the Cayman Islands following hurricane Gilbert, only ham radio was able to provide the communications between Warship Archer and relief officials on the island.

I wonder how much disaster communications you have worked. If you have, you know that when a disaster strikes, normal government channels become clogged with extremely high priority traffic. That leaves no place for important traffic of lower priority or which doesn't fit normal bureacratic channels. You would also realize that in most major emergencies, agencies that don't normally need to communicate suddenly have major coordination problems. This is why our Hurrican Watch Net has had hams, national guard units, US Air Force units, USGS, NOAO units and the British Navy all on frequency at the same time. We were the only people that could coordinate and talk to all units at once. This is not an uncommon finding - amateur radio provides a very good way to cross organizational boundaries.Finally, you would realize that in a widespread emergency, EVERY communications facility that is mobile or capable of emergency power operation is required.

]call out the fat guys with the walkie-talkies on their belts and
]obsolete police radios in their cars. They call up a cellular carrier

Now, let me mention that I don't believe that emergency communications is the be-all and end-all of amateur radio. Nor do I believe that hams are the primary resource for emergency communications. However, to deny the role that hams have, and to belittle those who do help, simply betrays your lack of understanding, not to mention your poor taste.

Is ham radio emergency communication important? You bet it is. Is it needed by every police department for everything they do? No way. Are all ham emergency communicators competent and helpful? Of course not! Ham radio has an important place in emergency communications, even with today's communications facilities. It also has its limits and its disadvantages.

Furthermore, you may be most interested in training or experimentation or whatever, but when you see or hear good things about ham radio in the mass media, I'll bet it is most often regarding emergency communications. I have had many TV, radio and newspaper interviews (in which I talked up ham radio as a public service) as a result of my hurricane net work [please - no flames - they called me, I didn't call them!]. They've never called about my work in direction finding or repeater controllers!

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -3832311309057124872
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-21 20:53:59 PST
Path: gmdzi!unido!mcsun!uunet!samsung!know!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <30500606@ux1.cso.uiuc.edu>
Date: 21 Jul 90 20:16:00 GMT
References: <13686@shlump.nac.dec.com>
Lines: 18
Nf-ID: #R:shlump.nac.dec.com:13686:ux1.cso.uiuc.edu:30500606:000:852
Nf-From: ux1.cso.uiuc.edu!phil   Jul 21 15:16:00 1990
Posted: Sat Jul 21 21:16:00 1990

I'm glad to see some support for a very basic system of amateur radio
licensing. I had not wanted to post it myself (though I do plan to
put it in my comments I am working on) simply because someone would have
assumed that it was an attempt on my part to get free HF privileges
since I already have a Technician class license.

Really only ONE class of license is needed: Amateur Radio

But I am not proposing to violate or change the international agreements
on Morse Code ability to access HF privileges, so we will have to put
up with TWO classes: Amateur Radio & VHF Amateur Radio

But I do like the idea of some group like the ARRL sponsoring prestigious
certificates on technical ability.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 3024108200474915996
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-21 21:32:40 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!know!zaphod.mps.ohio-state.edu!
lavaca.uh.edu!uhnix1!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <Z=M&7DB@splut.conmicro.com>
Date: 21 Jul 90 23:22:10 GMT
References: <13686@shlump.nac.dec.com>
<1990Jul20.234127.22559@bellcore-2.bellcore.com>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 14
Posted: Sun Jul 22 00:22:10 1990

In article <1990Jul20.234127.22559@bellcore-2.bellcore.com>
karn@thumper.bellcore.com writes:
>But the actual license requirements should
>be limited to the basic, universal stuff that all amateurs need to
>know to operate safely, to avoid interfering with others, and to
>demonstrate that they're at least capable of furthering the Basis and
>Purpose of the service.

...all parts of it, not just your technonerd paradise.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jay@splut.conmicro.com   (eieio)| adequately be explained by stupidity.

"It's a hardware bug!" "It's a   +--------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_

From -3030074560357334970
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6689244f30762af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-21 23:14:07 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Communicator Class
Message-ID: <1077@ke4zv.UUCP>
Date: 22 Jul 90 00:53:36 GMT
References: <9007202223.AA23127@tecnet1.jcte.jcs.mil>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 60
Posted: Sun Jul 22 01:53:36 1990

In article <9007202223.AA23127@tecnet1.jcte.jcs.mil> mgb@TECNET1.JCTE.JCS.MIL
writes:
>
>In looking over the local clubs roster it is clearly seen that a LOT of the
>Technicians never upgrade any further. They are happy with what they have,
>feel no desire to get active on HF, and so... they stay where they are....
>usually on 2 meters.
>
>As you can see then, my personal opinion is somewhat biased by the local
>experience that I have just described. I realize that I can not take this
>one example and apply it to the whole U.S. of A., but none-the-less, I am
>left with the definate message that if you allow Communicators on 2 meters
>right off the gitgo.... then that is where they will stay for a LONG LONG
>time.
>
>Another person (I think it was Phil Howard.. sorry if I am wrong Phil) made
>some mention of this being a good thing as it would drive the original
>developers of 2 meters into moving on to the higher bands. I must question
>this observation. Hams don't like to be FORCED to do ANYTHING :-) I mean
>who does? If the congestion on 2 reaches the proportions that are predicted,
>then the much more likely event to occur (IMHO) is that the new Communicators
>will be ostracized and treated like unwanted scum by enough hams that these
>people will be alienated from our hobby in rapid fashion, or will get really
>mad and will start fighting back in the form of jamming and other nasty
>tricks. Don't get me wrong... I don't LIKE that prediction (!!!!), it just
>happens to be the way I see it happening after watching 14.313, portions of
>75 meters, and repeater wars on 2 meters a few years ago.
>
>Phil Karn's recommendations are especially apt *IF* we lived in a perfect
>world. Given the way things are in this part of the country, I can not see
>these ideas working the way that he predicts. Thus I have to say that it
>is my personal opinion that the Communicator Class should be limited to 220

>and above.
>
>Please feel free to flame... it is just my opinion.
>
>Mark Bitterlich

I think your conclusions are wrong for several reasons. If we get the numbers of Communicators necessary to really make two meters congested, they will OUT NUMBER the OLD FARTS and will be in no danger of being ostracized and treated like unwanted scum. I doubt that we will really get hundreds of thousands of new Communicators right away however, and think that the newcomers need the guidance and socialization provided by being at the "watering hole" and not in some ghetto where they would be free to develop bad habits that will surely migrate to the lower bands as their numbers increase.
In the few large metro areas where two meters is filling up, we are already being "forced" to move on up to find room for our experimental work. In general, the most active and most knowledgeable are the ones moving up first. This is as it should be since unexperienced hams would be much less likely to be sucessful in breaking new ground. If all you want is more outdated FM voice repeaters being used by applicance operators then restrict Communicators to 220 and above.
If on the other hand you want to see new and innovative development to populate the upper bands, then let the Communicators have the communicators band; Two Meters. Those who are technically inclined and are attracted by the Communicator License (horrible name IMHO) will join the pioneers upstairs.

Gary KE4ZV

From 1955894116326965181
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,af09a0ace5785786,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-21 23:40:39 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: rtty
Message-ID: <1566@n8emr.UUCP>
Date: 21 Jul 90 18:23:35 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 167
Posted: Sat Jul 21 19:23:35 1990

SB RTTYDX @ RTTYDX $RTDX0720
RTTY DX Notes, 1of3, 7/20/90

RTTY DX Notes for Weekending 20th June 1990.
Part 1 of 3.
BID: $RTDX0720

Looking at the logs for the ANARTS Contest, (by the way, have you sent your logs to 55 Prince Charles Road, Frenchs Forrest, Sydney 2086, Australia yet?) there appears to be a terrific amount of similarity or maybe redundancy in the RST reporting. Maybe that part of the message could be replaced by a number 001 etc. Or maybe his age, now thats a possibility. But the RST means nothing. There must be an answer, but what is it? It looks very stereotyped looking at a sheet of 599s. One wonders what other contest managers think about it? Maybe they would like to contact us at the above address to arrive at a better format. Please do.

Our thanks this week go to: I5FLN, I5ICY, I5IGQ, OD5NG, TG9VT, W2JGR and the Tri-State DX Association VHF packet cluster. Thank you all for your help with these notes.

Bandpass

Friday 13

UJ5K	21092	at	0020Z	
ZK1WL	21073	at	0246Z	ARQ
RB5MT	14086	at	0256Z	
EA9MY	14083	at	0259Z	
TJ1MW	14090	at	0505Z	
EA6MQ	14091	at	0515Z	
FK8BK	14074	at	1023Z	ARQ
A41KB	21072	at	1111Z	ARQ
6Y5EW	14074	at	1418Z	ARQ
ZD9BV	21090	at	1650Z	

Continued in part 2.
/EX
SB RTTYDX @ RTTYDX $RTDX0721
RTTY DX Notes, 2of3, 7/20/90

RTTY DX Notes for Weekending 20th June 1990.
Part 2 of 3.
BID: $RTDX0721

Saturday 14

UT5RP	14074	at	0014Z	ARQ
J39BS	14087	at	0125Z	QSL
TA3D	14089	at	0315Z	
RF6FC	14088	at	0545Z	
TU2BB	21085	at	1345Z	
5N0ETP	21085	at	1448Z	QSL

```
GJ4YMX    21090  at  2030Z
9K2EC     18102  at  2245Z  ARQ
TZ6VV     14091  at  2250Z


Sunday    15

EA9MY     14083  at  0023Z
J39BS     14087  at  0204Z
TA3D      14089  at  0204Z
OD5NG     14095  at  0411Z
HK0BKX    14087  at  0425Z  QSL
RB5TF     14085  at  0431Z
SV0CR     14074  at  0525Z  ARQ
FK8BK     14099  at  0733Z  ARQ
PJ7YL     14087  at  1141Z
TR8JLD    14082  at  2112Z
P43SF     14089  at  2204Z

Monday    16

RA2FB     14090  at  0020Z
RB5QV     14090  at  0353Z  QSL
UZ1ZWO    14085  at  0405Z
UW9AZ     14083  at  0412Z
6Y5PK     14093  at  0515Z


Tuesday   17

A41JW     14086  at  0155Z  QSL
LY2WW     14087  at  0311Z
UT5RP     14074  at  0510Z  ARQ
FK8BK     14069  at  1050Z  ARQ
PJ2MI     14074  at  1114Z  ARQ
DU1BJD    14082  at  1415Z
EA9MY     14083  at  2323Z


Wednesday 18

EA8APH    14075  at  0025Z  ARQ
FY4FS     14081  at  2348Z


Thursday  19

HP1AAL    14090  at  0007Z
SV1AHV    14089  at  0038Z
UM8NC     14089  at  0224Z
OD5NG     14089  at  0229Z
J28TY     14092  at  0425Z
```

Continued in part 3.
/EX
SB RTTYDX @ RTTYDX $RTDX0722
RTTY DX Notes, 3of3, 7/20/90

RTTY DX Notes for Weekending 20th June 1990.
Part 3 of 3.
BID: $RTDX0722

QSL Information.

J39BS will QSL via WB2CLH.

5N0ETP QSL manager is his home call of N6QLQ, not N6QCQ as previously reported.

HK0BKX says to QSL via WB9NUL.

RB5QV gives Box 3, Melitovol 332301 USSR as his QSL address.
A41JW is OK in the 1990 Callbook.

Speaking of QSLS, VK9LI had over 400 contacts during his recent trip. (He was a one man operation.) He worked 277 different stations. Someone must have worked him more than once, HI. He worked 130 U.S. stations, and 62 Japanese stations. Cards have been received and sent for 126 stations.

Notes Of Interest.

ZK1WL is from the North Cook Islands.

Unfortunately there will be no RTTY from TI9 Cocos Islands this trip. But word is around that TI3DJT will go there in September and he will definitely have RTTY with him. Hope springs eternal.

Frankenstein. DA1WA will operate from Frankensteins Castle from 0800 on 4th August until 1900 on 5th August. RTTY will be used on all bands. QSL to the Wiesbaden Amateur Radio Club.

Iceland. DF2UU is expected to operate from Iceland TF, during August, with lots of RTTY.

GL DE DX1.

Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA. Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU, or via AMTOR on the VK2AGE APLINK mailbox.
/EX
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]

HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From -6997235742414571497
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-21 23:59:24 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!well!tenney
From: tenney@well.sf.ca.us (Glenn S. Tenney)
Newsgroups: rec.ham-radio
Subject: Re: Airwave Wars
Message-ID: <19174@well.sf.ca.us>
Date: 22 Jul 90 06:05:43 GMT
References: <1990Jul18.215248.11497@bellcore-2.bellcore.com> <186@bongo.UUCP> <2800@wyse.wyse.com>
Organization: Whole Earth 'Lectronic Link, Sausalito, CA
Lines: 25
Posted: Sun Jul 22 07:05:43 1990

It seems that many city and county emergency departments (officials, such as police) are getting lots of cellular phones. This is great if they have some way of giving priority to their phones, and if the cells remain up, and if the land line from the cell keeps working.

Last October:

I live in San Mateo, a not so huge city half way between San Francisco and Palo Alto. The city's emergency generator went out after about an hour. This powered their comm facility which included 911, and covered this city and a few surrounding ones. I understand that the cellulars were almost useless since EVERYONE was trying to use them.

At that time I was at home waiting to see what help was needed. Via 2M I reported this loss of power to the power company. I think there was also some other probelm that the phones weren't working at the police either, but I might be wrong.

So, all in all, I feel that the officials are getting into the cellular equipment which is fine. In many emergencies this is great, portable access to the phone system to the rest of the world. However, I expect these same officials might be easily tempted to rely too much on them for upcoming major emergencies.

Glenn AA6ER

From 1828262476456432750
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-22 00:52:49 PST

```
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Airwave Wars
Message-ID: <30500607@ux1.cso.uiuc.edu>
Date: 22 Jul 90 05:33:00 GMT
References: <174036@<1990Jul19>
Lines: 20
Nf-ID: #R:<1990Jul19:174036:ux1.cso.uiuc.edu:30500607:000:633
Nf-From: ux1.cso.uiuc.edu!phil    Jul 22 00:33:00 1990
Posted: Sun Jul 22 06:33:00 1990


> Band        Spectrum for FM voice repeaters (inputs and outputs)
> ------      ---------------------------------------------------
> 6    m      2    MHz
> 2    m      2.23 MHz
> 1.25 m      2.08 MHz
> 70  cm      6    MHz
> 33  cm      6    MHz
> ------      --------
> Total:      18.3 MHz

  23  cm      12   Mhz
  ------      --------
  Total:                30.3 Mhz

In fact the 23cm band is likely to far surpass the 33cm band for this mode
because of the dominance of Japanese imports designed for the ham market.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.
```

```
From 3892170506105147008
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7b2752a2d91a67a1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-22 00:53:28 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!
zaphod.mps.ohio-state.edu!ncar!mephisto!psuvax1!psuvm!ricevm1.bitnet!jkoss00
From: JKOSS00@RICEVM1.BITNET (Jordan M Kossack)
Newsgroups: rec.ham-radio
Subject: Repeaters, Communcator, et al
Message-ID: <1721JKOSS00@RICEVM1>
Date: 21 Jul 90 23:50:00 GMT
Organization: Rice University - Victim of the 1990 Economic Summit
Lines: 98
Posted: Sun Jul 22 00:50:00 1990

RE: Repeaters
```

On 21 Jul 90, phil@ux1.cso.uiuc.edu [Phil Howard, KA9WGN] writes

> -
> - Another problem is caused by the lack of use of CTCSS, anti-CTCSS, and
> - other features to prevent mutual interference. Back when adding just ONE
> - tone frequencey to an HT was expensive and difficult meant that few
> - repeaters would use it. Yet even then it was commonly done on UHF
> - repeaters to make a closed repeater. Today, you can easily and cheaply
> - add a synthesized CTCSS tone generator, and most new HT's already have it
> - builtin.
>   [...]
> - Closed repeaters have no place in a crowded band. I cannot see where they
> - serve the "Basis and Purpose". If the band cannot take Communicators,
> - remove the closed repeaters first.

This is something that has always puzzled me. When I was studying for the exam, I kept reading about how no one amateur owns any particular freqs but how repeaters effectively own freqs on a first come - first serve basis. Maybe what we need is for closed repeaters to have the lowest priority for frequency planning purposes. In other words, if somebody wants to put up an open repeater on a pair occupied by a closed repeater, the owners of the closed repeaters would have the option of opening their repeater for use by any ham or losing the allocation.

Now, I expect some folk to complain about my views. [Heck, this is a case where I want feedback.] Some folk will say that requiring certain tones before the repeater opens frevents unwanted interference. Well, I can understand this and think that if you use DTMF tones [available on most rigs or can use a hand-held `pocket dialer' from Radio Shack ] and you make it public knowledge which DTMF keys are used, then your repeater is effectively open and should be considered so. But when folk start using secret sub-audible tones for their `private' repeater, then that repeater should be considered closed and have low priority for the purpose of `owning' frequency pairs.

Some other folk will say that since CLUB X finances the repeater, only members of CLUB X should be allowed to use the repeater. Fine, that should be allowed. But if CLUB Y wants to have an open repeater and the Frequency Coordinator says "sorry, no available frequencies free", then CLUB Y should be allowed to put their repeater on the freqs that had been used by CLUB X's repeater, which will come off of the air. Clearly, an open repeater will serve the community better than a closed one . . .

--**--   --**--   --**--

RE: Communicator Class

Whether one likes it or not, the Communicator class will be created. I think that the issue is now how to do it right. On one hand, we have the FCC saying, "Six license classes too much. Kill novice <grunt>" and the ARRL saying, "Oh No! Please don't kill the baby. <weep>" and not much interaction between the two to settle it with the least ruffled feathers. I know I'll get flamed for my comments, but I'm in Houston and I can take the heat! ;-)

My proposal:

License Class: Novice
Exam elements required: 1a and 2 [5wpm]
Privileges: Current Novice privs

License Class: Communicator
Exam elements required: 2, 3a, 3b [no code]
Privileges: All amateur privs above 30 MHz, no privs below 30MHz

License Class: General
Exam elements required: 1a, 2, 3a, 3b [5wpm !!!]
Privileges: Current General privs

License Class: Amateur Extra
Exam elements required: 1b, 2, 3a, 3b, 4a, 4b [13wpm]
Privileges: All amateur privs

Notes: A 20wpm code test [element 1c] is no longer necessary for any amateur license class.

Upon expiration of their current license, all Technicians who have credit for element 3b will become Generals, all techs w/o such credit will become Novices [indefinately retaining credit for element 3a, so only 3b will be needed to upgrade to General] and all Advanced will become General [retaining credit for elements 1b and 4a, so only 4b will be required for upgrade.] Current General class licensees retain credit for element 1b.

All exams will fall under the VEC exam structure.

Communicator calls will come from Block D.
Amateur Extra calls from Block A, or Block B
when all Block A calls have been assigned.
Current Technicians and Advanceds who `downgrade' upon license expiration WILL reatain their calls unless they desire otherwise.

--- --- ---

OK, I'm ready for flames. But before you Technicians flame me, remember that I'm a Tecnician Class licensee.

- Jordan, n5qvi

From -4356366146577429138
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7b2752a2d91a67a1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-22 04:30:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!samsung!know!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil

From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Repeaters, Communcator, et al
Message-ID: <30500608@ux1.cso.uiuc.edu>
Date: 22 Jul 90 08:03:00 GMT
References: <1721JKOSS00@RICEVM1>
Lines: 12
Nf-ID: #R:<1721JKOSS00@RICEVM1>:-21:ux1.cso.uiuc.edu:30500608:000:555
Nf-From: ux1.cso.uiuc.edu!phil   Jul 22 03:03:00 1990
Posted: Sun Jul 22 09:03:00 1990

A repeater can be OPEN my making it's CTCSS/PL/"subaudible tone" publicly known just as much as they can by making the DTMF access codes publicly known.

In fact it could be useful for a repeater to have both features, including a publicly known DTMF code to disable the CTCSS feature (until 1 minute of inactivity when it will be restored) for the (now getting rarer) ham who has neither capability.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -8266201782478720265
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85bd693443c1d308,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-22 04:32:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!sdd.hp.com!ucsd!ucbvax!
vax1.informatik.fh-regensburg.dbp.de!werner
From: werner@vax1.informatik.fh-regensburg.dbp.de (Ralf Werner)
Newsgroups: rec.ham-radio
Subject: Scanner information wanted (again)
Message-ID: <136:werner@vax1.informatik.fh-regensburg.dbp.de>
Date: 21 Jul 90 16:24:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 53
Posted: Sat Jul 21 17:24:00 1990

Hello scanner enthusiasts,

sri for reposting this question. I accidentially sent this question to the INFO-HAMS redistribution list at TAUNIVM so it might be missed by some of you. Sri again for cluttering the net. But now back to my problem:

I want to buy one of those new "gimmick-loaded" scanners; some years ago I owned a JIL scanner (26 - 520 MHz) and the AIR-8 (...that was a SONY :) but I sold them at a ham meeting (students sometimes need money).

After months of working hard I decided to buy myself one of those "toys" again;

but the market is crowded and I wonder, which buy is the best. Well, what will I do with this scanner?

- receive LF-transmissions (weather fax) and RTTY (and maybe commercial services), if possible in all modes (AM, FM, SSB).

- use it as an ordinary radio (what a shame!)

- tune in to all those frequencies which you are not to allowed to receive over here in germany (public services etc.). It's a hard life here!

- monitor the amateur frequencies (6m, 2m, 70cm, 23cm)

- attach a scope to get a spectrum view around the current frequency

For the first purpose I thought about the SONY PRO-80. It has about the size of my good old AIR-8 and covers 150 kHz up to 108 MHz (115-223 MHz w. converter) and has all modes. Can anybody recommend this one? Is it a good buy? Maybe I'll use it as a secondary scanner sometimes...

Then I thought about the ICOM R1/R100. Although they miss SSB they've got an enormous frequency range.

It seems that the only scanner available that matches my needs is the R-9000 (ICOM), but the price is rather hefty!

Has anybody experiences with the AOR AR-3000 ? This machine covers 100 kHz up to 2036 MHz (continuous!) and has SSB, too (no scope, sri). and it is in the R-7000 price range.

What should I do? Can any kind soul help me with my decision?

I know, there's at least two scanner discussions a year in this newsgroup; maybe I'll post to comp.rec.ham.scanners.buyers-advice next time ;-)

Please drop me a few lines, tnx in advance.

ur Ralf

```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
+ Ralf Werner - werner%vax1.informatik.fh-regensburg.dbp.de@relay.cs.net +
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
```

From 9073831554369435926
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,23ce7bea23c35552
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-22 08:52:05 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!mips!max!crisp
From: crisp@mips.COM (Richard Crisp)
Newsgroups: rec.ham-radio
Subject: Re: Did anybody get an AR1000

Message-ID: <40334@mips.mips.COM>
Date: 22 Jul 90 15:35:15 GMT
References: <13252@mcdphx.phx.mcd.mot.com>
Sender: news@mips.COM
Reply-To: crisp@mips.COM (Richard Crisp)
Organization: MIPS Computer Systems, Inc.
Lines: 62
Posted: Sun Jul 22 16:35:15 1990

In article <13252@mcdphx.phx.mcd.mot.com> mkook@phx.mcd.mot.com (Mat Cucuzella) writes:

>
>A while ago, I heard about the AOR AR1000 hand held scanner with
>continuous coverage between 8-600 and 805-1300 MHz. Does anyone
>have one? How do you like it, etc...
>

I just got one about 4days ago. I really like it. The 10 banks of 100 channels (that's right 1000 memories!) are really neat. I put police type stuff in one, put aero in another, put handheld telephones in another, news stations in yet another, and I am still trying to figure out what to put in the rest.

As far as reception goes, on its rubber ducky it does a bit worse than my Pro2005 on its Channelmaster Monintenna. I notice the biggest difference on weak stations as expected. As it comes, it has cellular coverage, but of course I would NEVER listen to that service (heard any good stock tips lately?).

As far as features go, it has the ability to lock out any channel or bank in scan mode. You can program 10 different search ranges. You can set the frequency step size to any value between 5khz and 995khz. It also has a tuning Knob, a feature I really like! It has a built in light for illuminating the Liquid Crystal Display. It picks up AM, FM and wideband FM modes and does a pretty good job with standard FM broadcast band (music).

Now on to what I don't like:
The SW reception is not very good on the rubber ducky as expected. It does an OK job with a real antenna, but you're not going to be able to step out to the parking lot at lunch to catch Radio Baghdad! If an RF booster (preamp) was added in the below 30mhz bands, I think the SW reception could be brought up to par with the portable Sonys (like the SW20).
The speaker is mounted toward the bottom in the front. This makes it feel a bit strange when holding it up to your ear in a noisy environment.
The Nicad charger that come with it only supplies a puny 200mA which means you can't listen to it with very weak batteries while charging (BTW my batteries that came with it were very low out of the box).
I've been using it so much, that I really haven't taken it out of use long enough to charge the batteries. So I've been running it off of alkaline batteries which works great.

I was really hoping to get an Icom R1, but got tired of waiting, so I got the AR1000. After reading the specs of the R1, I'd still like one, but it really ought to have 1000 memories like the AR1000.

One final note, if AOR included a serial port for loading/dumping the 1000 memories, it would be much easier to program. Also, yes it does have a lithium backed memory. So when you change batteries, you don't have to re-program.

Having a full featured handheld like the AR1000 has really opened up the world of scanning for me, I find that it goes everywhere with me. As Karl Malden says, "don't leave home without it".

was arranged differently (like higher up) it would feel more natural when holding it up to your ear. An RF booster for improving
--

```
             Richard Crisp              crisp@mips.com
         MIPS Computer Systems        !decwrl!mips!crisp
          928 Arques MS 2-02            (408) 524-8177
          Sunnyvale, Ca 94086
```

From -1335803554428938510
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6689244f30762af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-22 09:56:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!TECNET1.JCTE.JCS.MIL!mgb
From: mgb@TECNET1.JCTE.JCS.MIL
Newsgroups: rec.ham-radio
Subject: Communicator Class
Message-ID: <9007221626.AA23185@tecnet1.jcte.jcs.mil>
Date: 22 Jul 90 16:26:16 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 80
Posted: Sun Jul 22 17:26:16 1990

zaphod.mps.ohio-state.edu!samsung!emory!wa4mei!ke4zv!
gary@tut.cis.ohio-state.edu (Gary Coffman) writes:

>I think your conclusions are wrong for several reasons. If we get the
>numbers of Communicators necessary to really make two meters congested,
>they will OUT NUMBER the OLD FARTS and will be in no danger of being
>ostracized and treated like unwanted scum. I doubt that we will really
>get hundreds of thousands of new Communicators right away however, and
>think that the newcomers need the guidance and socialization provided
>by being at the "watering hole" and not in some ghetto where they would
>be free to develop bad habits that will surely migrate to the lower
>bands as their numbers increase.

Well... the term "Old Fart" is really starting to get to me! I think that it is now being stretched to include anyone that does not agree with the currently proposed ideas for licensing. So I think that I will coin a new phrase... "NEW FARTS" ... all the new Communicator Class operators and no code people are now "NEW FARTS". Now we will have Old Farts, and New Farts, and just plain smelly Farts and when someone reaches for the chain on the toilet... we will ALL be in trouble! :-)

Seriously though (all Farts excepted) you make a good point.

>In the few large metro areas where two meters is filling up, we are
>already being "forced" to move on up to find room for our experimental
>work. In general, the most active and most knowledgeable are the ones
>moving up first. This is as it should be since unexperienced hams
>would be much less likely to be sucessful in breaking new ground.

Ummm, I don't know about that. New hams are full of force and vinegar in a lot of cases, and being exposed to the people that really are the movers and shakers could be just what is needed. Two meters in many parts of the country is the band that has the most controversial behavior. Are these the people that you want teaching these new hams? There still remains the problem of NO REPEATERS above 2 meters in many parts of the country, and for that I have no answer...

>If all you want is more outdated FM voice repeaters being used by
>applicance operators then restrict Communicators to 220 and above.
>If on the other hand you want to see new and innovative development
>to populate the upper bands, then let the Communicators have the
>communicators band; Two Meters. Those who are technically inclined
>and are attracted by the Communicator License (horrible name IMHO)
>will join the pioneers upstairs.

It seems we are worried about the same things! I do not want to see the "Communicators" put into a go-no-where position, and I believe that dumping them onto two meters will do exactly that. I fail to see where putting them on 220 and above first, will cause what you predict to happen. If they are technically inclined, then they will get with the movers and shakers and start their own work... if they are not, then they will just use what is already there. If there is nothing there already, then they will just lose interest and go away. If they start inundating two meters, then I suspect that a lot of things will happen, and very few of them good.

I guess it depends on what you are looking for. If all you want is a tremendous influx of new hams, then offer them 2 meters, give them a simple written test (and no code requirement), and then (IMHO) more than likely you will achieve that end. If you are looking to attract people that want to come into the hobby in order to help build it, then consider putting them with the people that are already doing that, and from what you have said it appears that we both agree that such people are to be found ABOVE the 2 meter band.

The real problem is finding a common ground on what we all really want. Is it a lot of new hams? A lot of new YOUNG hams? A lot of new hams (probably not real young) with technical talent? Some kind of blend of all the above? A wide open uncontrolled development? It seems that everyone has their own ideas of what it should be and it sure makes for some interesting reading doesn't it? Just for the record, I am one of the ones that want to see people coming into the hobby that want to learn about the technical aspects and contribute towards its development. I am not gainsaying the other aspects of the hobby... it just seems to me that "technically" we are losing ground more rapidly than any other area.

Thanks for your reply Gary!

Mark Bitterlich
wa3jpy@wb4uou
mgb@tecnet1.jcte.jcs.mil

From 3748119381856273554
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-22 12:10:48 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!texbell!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <0RM&TNF@splut.conmicro.com>
Date: 22 Jul 90 14:11:42 GMT
References: <13686@shlump.nac.dec.com> <15961@ucsd.Edu>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 19
Posted: Sun Jul 22 15:11:42 1990

In article <15961@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>What a load of crap.
[...]
>Incentive licensing sucks hard. Let's abolish it.

I agree, Brian: that's a load of crap.

In the technonerd utopia, every ham would be a technical whiz because they wanted to.

This isn't the technonerd utopia, but the real world. If you want people to be more than mike-button jockeys, you gotta give them a reason to. Incentive licensing works quite well.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
"It's a hardware bug!" "It's a      +-----------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_
```

From 3528918282000769133

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6dc173148f2f525,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-22 12:11:11 PST
Path: gmdzi!unido!mcsun!uunet!samsung!rex!rouge!mahler
From: mahler@rouge.usl.edu (Mahler Stephen J)
Newsgroups: rec.ham-radio
Subject: Changing Traffic to Emergency Areas
Message-ID: <11950@rouge.usl.edu>
Date: 22 Jul 90 18:41:16 GMT
Reply-To: mahler@usl.edu (Mahler Stephen J)
Organization: Univ. of Southwestern Louisiana
Lines: 67
Posted: Sun Jul 22 19:41:16 1990

I have tried to put these thoughts into a standard prose proposal, but find its too long, and boring ... I hope the following lists of points express my proposal.

KF5VH Proposal for Traffic in Emergency Areas

by Steve Mahler, KF5VH

Review of traffic types (order of importance):
Emergency / SOS - loss of human life may occur
Priority / PAN - human injury/suffering or great property loss
Health and Welfare - Inquire or reply of conditions
Routine - any other traffic

Recent Events
Hurricane on east coast and Earthquake on west coast

New Developments

Packet Radio and BBS provide a capability to move between 10 and 100 times the traffic we could on CW and voice message nets.

Broadcast radio and TV now can cover most events "live", this means the generation of traffic into an effected is very time compressed.

To some degree our efforts to promote Ham Radio as emergency communications has been successful, so more non-hams are making requests for H&W traffic.

Result of New Developments

We can now move more Health and Welfare traffic into an area than the local hams can resolve and reply to.

Each H&W message into an area generates:
1) a message in
2) a delivery
3) a possibly message out or an undeliverable message

I recall the message numbers from the earthquake were on the order of 10,000. That means 10,000 in-bound, 10,000 ham deliveries, and at least some of those replies.

Consider
 Maybe those directly involved will comment, by my guess is that
at least 90% of the reply messages were "ALL OK HERE". It appears that
considerable effort is expended for little gain.

Proposal
 Add a new class of message:
  Request for Aid or Comfort / RAC - request from effected area (or reply)
 This message would originate in the emergency area, and be a request
for assistance by an person with a need.
  The new priority order SOS/PAN/RAC/H&W/Routine

What will this improve?
 Messages for aid will move more quickly.
 The scare resource of hams will be able to concentrate on
those people who really need help. Hams can collect RAC messages
from on-site locations or emergency shelters (or any other announced
location).
 Better control of message tracking and delivery because of fewer
messages.

What will be required to implement ?
 Agree that this method may help.
 Initially restrict incoming traffic to SOS, PAN and RAC until time
and resources permit H&W and routine traffic.

Your comments and discussion are desired and important.

73's ... Steve, KF5VH

From -2384037894142818547
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-22 13:08:11 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!wuarchive!texbell!uudell!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: Airwave Wars
Message-ID: <187@bongo.UUCP>
Date: 22 Jul 90 20:08:11 GMT
References: <1990Jul18.215248.11497@bellcore-2.bellcore.com> <186@bongo.UUCP> <2800@wyse.wyse.com>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 40
Posted: Sun Jul 22 21:08:11 1990

In article <2800@wyse.wyse.com>, stevew@wyse.wyse.com (Steve Wilson x2580 dept303) writes:
> In article <186@bongo.UUCP> julian@bongo.UUCP (Julian Macassey) writes:

Ooodles of stuff deleted to reduce tedium.

> >If my local emergency service needs more coms these days, they don't
> >call out the fat guys with the walkie-talkies on their belts and
> >obsolete police radios in their cars. They call up a cellular carrier
> >and get some cellular phones that give them instant coms and ability
> >to communicate anywhere in the world.
>
> Yes they do. Cel Tel doesn't cover the world (yet ;-). Communicating
> anywhere in the world ?? I thought that was what HF was for ;-)

Let me see now. I have a cellular phone and I want to talk to the Red Cross HQ in Switzerland. I don't have the phone number at hand, no problem. I dial the AT&T operator and ask for "Switzerland, Geneva, International Red Cross." In no time at all I will have the number. Then I dial 01141-114122 and talk directly to the biggies in Switzerland.

Communicating anywhere in the world with anyone at anytime?? I thought that was what telephones were for. AT&T gave up using HF to communicate around the world some time ago. Since that time international traffic has exploded. This is the 1990s, lest we forget. Even Western Union no longer exists.

Want to get DXCC without having to put up with bad manners, expensive equipment, TVI and and years of waiting for the QSL bureau to come through? Get the N6ARE DXCC with the AT&T endorsement. Telephone 100 countries (cost roughly $3.00 per country) and your itemised phone bill is confirmation. Yes, you can get the mobile endorsement too by doing it again from your cellular phone. Coming soon DXCC with a FAX endorsement.

Yours still waiting for the penny to drop.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From 3467396702011943983
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2626a8e2d1abad5b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-22 13:58:59 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!blackbird.afit.af.mil!tkelso
From: tkelso@blackbird.afit.af.mil (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9007222031.AA23972@ucsd.edu>
Date: 22 Jul 90 20:26:34 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet

Lines: 360
Posted: Sun Jul 22 21:26:34 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #723 -
Alouette 1
1 00424U 62B-A  1 90192.70736421  .00000170  00000-0  19423-3 0  3322
2 00424  80.4633 261.8891 0022426 207.0003 152.9977 13.67365462386044
ATS 3
1 03029U 67111  A 90194.54223643 -.00000074  00000-0  99999-4 0  3953
2 03029  13.2438  21.0153 0013818 204.7992 155.1757  1.00272749 83052
Cosmos 398
1 04966U 71 16  A 90200.49713217  .00047980  17752-4  27181-3 0  9867
2 04966  51.5262 157.4892 2249896 208.4414 137.3099 11.10705110595285
Starlette
1 07646U 75010  A 90193.88381572 -.00000038  00000-0  17318-4 0   885
2 07646  49.8283  57.0942 0205740 276.0296  81.7188 13.82139829779334
LAGEOS
1 08820U 76039  A 90198.64391560  .00000002  00000-0  00000 0 0   862
2 08820 109.8519   5.5485 0044669 231.5829 128.0938  6.38664301 75885
GPS-0001
1 10684U 78020  A 90198.35161054  .00000007  00000-0  99999-4 0  4551
2 10684  63.7477  88.6178 0127026 197.7482 161.8339  2.00556340 76457
GPS-0002
1 10893U 78 47  A 90199.32711014 -.00000025  00000-0  00000 0 0  2051
2 10893  64.3380 329.4599 0163879  25.5768 335.2191  2.00544199 89291
GOES 3
1 10953U 78062  A 90197.85301236  .00000102  00000-0  99999-4 0  9223
2 10953   7.0135  66.1112 0008247  76.6027 283.4729  1.00256863  4934
SeaSat 1
1 10967U 78064  A 90199.32723424  .00000557  00000-0  23546-3 0  3548
2 10967 108.0235  24.4339 0003035 239.6745 120.4085 14.35755043630923
GPS-0003
1 11054U 78093  A 90196.12030018 -.00000024  00000-0  00000 0 0  2469
2 11054  63.9015 325.8181 0060452 118.6163 242.0004  2.00567489 86241
Nimbus 7
1 11080U 78098  A 90198.18148237  .00000079  00000-0  87759-4 0  6840
2 11080  99.1940 102.4241 0009664   8.4064 351.7251 13.83443934592186
GPS-0004
1 11141U 78112  A 90193.72859136  .00000007  00000-0  00000 0 0  4070
2 11141  63.7209  88.6380 0059737 316.5037  43.0888  2.00556102 84897
GPS-0005
1 11690U 80 11  A 90190.38003918  .00000008  00000-0  00000 0 0  9962
2 11690  64.1930  90.8570 0115499 203.0641 156.7448  2.00555667 90680
GPS-0006
1 11783U 80 32  A 90198.66481660 -.00000024  00000-0  00000 0 0  1692
```

```
2 11783  63.7747 325.2870 0151937  60.8986 300.6238  2.00558799 74936
GOES 5
1 12472U 81049  A 90196.63891216 -.00000153  00000-0  99999-4 0  9448
2 12472   3.5400  75.6182 0002065   5.2410 354.5898  1.00212477 32511
DE 1
1 12624U 81 70  A 90199.10693940  .00020086  00000-0  10093 0 0  4747
2 12624  88.9592 147.6002 6207077 272.0249  22.0550  3.51059101263294
SME
1 12887U 81100  A 90200.63195314  .00027789  00000-0  44556-3 0  7447
2 12887  97.6327 250.1023 0001384 221.5460 138.5561 15.53053622486303
Salyut 7
1 13138U 82 33  A 90200.87058537  .00026873  00000-0  25820-3 0  3918
2 13138  51.5999 138.4163 0001940  73.9391 286.2370 15.66384630469973
Cosmos 1383
1 13301U 82 66  A 90200.21584078  .00000076  00000-0  83268-4 0  5851
2 13301  82.9302 277.2996 0029333  72.4228 288.0116 13.67836170402050
LandSat 4
1 13367U 82 72  A 90201.02113511  .00000000  00000-0  49638-5 0  3949
2 13367  98.1637 262.9025 0004462  42.3214 317.8312 14.57138086426082
IRAS
1 13777U 83  4  A 90199.32220075  .00000011  00000-0  19501-4 0  7933
2 13777  99.0252  35.6320 0011364 302.4321  57.5743 13.98795294 51298
Cosmos 1447
1 13916U 83 21  A 90198.05096754  .00000065  00000-0  62693-4 0  7345
2 13916  82.9456 349.9765 0039723  57.5131 302.9860 13.74050121366776
TDRS 1
1 13969U 83 26  B 90197.83888614  .00000134  00000-0  99999-4 0   346
2 13969   4.5303  65.6414 0006336 110.1398 249.5753  1.00321371   274
GOES 6
1 14050U 83 41  A 90197.77208037  .00000117  00000-0  99999-4 0  2122
2 14050   2.3076  77.4606 0003402  84.2710 275.4826  1.00259563    39
OSCAR 10
1 14129U 83 58  B 90198.34078161 -.00000015  00000-0  00000 0 0  5349
2 14129  26.0264 194.2267 5957424 160.0206 240.2817  2.05880277 25359
GPS-0008
1 14189U 83 72  A 90196.67794083  .00000006  00000-0  99999-4 0  7973
2 14189  63.3799  86.9813 0147768 219.1413 139.8355  2.00703456 51334
LandSat 5
1 14780U 84 21  A 90201.18639804  .00000406  00000-0  95211-4 0  2586
2 14780  98.2033 260.7644 0002034 108.0787 252.0617 14.57124490339528
UoSat 2
1 14781U 84 21  B 90199.56350058  .00000983  00000-0  18983-3 0  7604
2 14781  97.9456 251.0904 0013082 143.2336 216.9758 14.65498633340565
GPS-0009
1 15039U 84 59  A 90196.79840957  .00000005  00000-0  00000 0 0  9824
2 15039  63.1414  86.1453 0021884 234.8159 125.0125  2.00612023 44618
Cosmos 1574
1 15055U 84 62  A 90199.97010338  .00000074  00000-0  73434-4 0  9092
2 15055  82.9557  38.8792 0025872 234.6617 125.2122 13.73364590304434
GPS-0010
1 15271U 84 97  A 90196.71771280 -.00000024  00000-0  00000 0 0  8683
2 15271  63.2003 324.9011 0105878 327.5045  31.8534  2.00557473 41728
Cosmos 1602
```

```
1 15331U 84105  A 90199.08030834  .00001609  00000-0  21787-3 0  3263
2 15331  82.5392 332.2758 0021445 228.7030 131.2323 14.78301379312657
NOAA 9
1 15427U 84123  A 90200.20966182  .00000236  00000-0  14897-3 0  6048
2 15427  99.1689 200.7835 0014238 279.8133  80.1429 14.12619408288502
Cosmos 1686
1 16095U 85 86  A 90200.80674000  .00064165  00000-0  60586-3 0  7015
2 16095  51.6048 138.7418 0002681  85.6388 274.2706 15.66405875271065
GPS-0011
1 16129U 85 93  A 90196.91460509  .00000006  00000-0  00000 0 0  5567
2 16129  63.8887  87.1502 0124570 148.8694 211.9278  2.00510353 34931
Mir
1 16609U 86 17  A 90200.83801255  .00013497  00000-0  15061-3 0  8053
2 16609  51.6104 165.8915 0010425 159.1097 201.0379 15.63073510253205
SPOT 1
1 16613U 86 19  A 90201.04869969  .00000382  00000-0  19693-3 0   326
2 16613  98.7337 275.0627 0002084  98.1250 262.0243 14.20024978 68598
Cosmos 1766
1 16881U 86 55  A 90201.11777110  .00003775  00000-0  52156-3 0   844
2 16881  82.5191  29.3963 0020337 246.1108 113.7972 14.77770758214012
EGP
1 16908U 86 61  A 90199.32260593 -.00000162  00000-0 -86812-3 0  2355
2 16908  50.0015 160.2811 0010041 281.5937  78.3761 12.44386101178735
NOAA 10
1 16969U 86 73  A 90201.30819320  .00000379  00000-0  18225-3 0  4527
2 16969  98.5980 228.5095 0013391 169.3397 190.8067 14.23667029199323
MOS-1
1 17527U 87 18  A 90201.06709090  .00000426  00000-0  34234-3 0  6133
2 17527  99.1099 273.1973 0001205  90.4289 269.6996 13.94874143173847
GOES 7
1 17561U 87 22  A 90194.46937082 -.00000098  00000-0  99999-4 0  5703
2 17561   0.1418 141.0899 0013582 279.3259 300.0132  1.00285859  5703
Kvant-1
1 17845U 87 30  A 90200.96566881  .00163407  00000-0  17231-2 0  1970
2 17845  51.6129 165.2506 0007944 152.9926 205.9401 15.63152159189270
DMSP B5D2-3
1 18123U 87 53  A 90201.16862991  .00000000  00000-0  99999-5 0  6461
2 18123  98.8181  31.3273 0013664 291.0192  68.9519 14.14080168159067
RS-10/11
1 18129U 87 54  A 90201.05512400  .00000332  00000-0  35392-3 0  2596
2 18129  82.9286 304.2434 0012568  34.4528 325.7590 13.72099475153957
Meteor 2-16
1 18312U 87 68  A 90200.14465350  .00000219  00000-0  18868-3 0  4624
2 18312  82.5529 264.9584 0011797 156.6269 203.5426 13.83663333147403
Meteor 2-17
1 18820U 88  5  A 90200.07066851  .00000135  00000-0  11097-3 0  3246
2 18820  82.5460 325.1119 0015607 231.9621 128.0131 13.84353611124593
DMSP B5D2-4
1 18822U 88  6  A 90201.21432010  .00000003  00000-0  99999-5 0  5694
2 18822  98.6419  79.5615 0006699 163.9603 196.1734 14.21489635127511
AO-13
1 19216U 88 51  B 90197.82067606 -.00000082  00000-0  99999-4 0  1398
2 19216  57.0355 145.3614 6989638 231.4991  42.6273  2.09702725 16025
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OKEAN 1
1 19274U 88 56  A 90201.12143365  .00001318  00000-0  18279-3 0  8810
2 19274  82.5178 128.0602 0022930  20.0448 340.1684 14.77123605109786
Meteor 3-2
1 19336U 88 64  A 90200.63218010  .00000391  00000-0  99999-3 0  5324
2 19336  82.5401 254.4694 0016028 228.7713 131.1999 13.16900088 95222
NOAA 11
1 19531U 88 89  A 90201.26758657  .00001048  00000-0  59644-3 0  3178
2 19531  98.9819 149.6135 0011731 186.4218 173.6798 14.11653837 93638
TDRS 2
1 19548U 88 91  B 90198.00000000  .00000115  00000-0  99999-4 0  1448
2 19548   0.1968  80.1980 0003402  63.6704 336.3506  1.00276868   558
Cosmos 2001
1 19796U 89 11  A 90200.09327106 -.00001041  00000-0  99999-4 0  5554
2 19796  63.3083  88.8692 7075422 319.8954   5.2987  2.00582926 10448
GPS BII-01
1 19802U 89 13  A 90199.85056414  .00000016  00000-0  99999-4 0  1440
2 19802  55.0584 196.1606 0053899 166.2239 193.9399  2.00644183 10384
Akebono
1 19822U 89 16  A 90199.87754367  .00014522  00000-0  91087-3 0  6888
2 19822  75.0919 223.3228 4172866 201.5803 133.9854  7.12428330  2094
Meteor 2-18
1 19851U 89 18  A 90200.05066567  .00000132  00000-0  10863-3 0  2671
2 19851  82.5187 203.0673 0012560 275.9997  83.9731 13.83988517 69975
TDRS 3
1 19883U 89 21  B 90198.00000000 -.00000235  00000-0  99999-4 0  1471
2 19883   0.2224  79.0797 0002513 127.9758  46.8829  1.00263239 75252
GPS BII-02
1 20061U 89 44  A 90191.11244975 -.00000033  00000-0  00000 0 0  1445
2 20061  54.7754  14.9096 0086773 173.6971 186.4465  2.00485267  7956
Nadezhda 1
1 20103U 89 50  A 90199.85855819  .00000063  00000-0  60415-4 0  1660
2 20103  82.9592 261.6499 0036490 312.1474  47.6581 13.73599876 52066
GPS BII-03
1 20185U 89 64  A 90197.51159318  .00000016  00000-0  99999-4 0  1350
2 20185  54.9222 197.1168 0023734 160.1574 199.9551  2.00623597  6658
Activnyi
1 20261U 89 80  A 90200.52778631 -.00026575  00000-0 -84814-2 0  6188
2 20261  82.5943 208.0269 1257006 265.2995  80.4015 12.43803454 36618
Activnyi RB
1 20262U 89 80  C 90199.54301590  .00000516  00000-0  16005-3 0  2576
2 20262  82.5982 208.7220 1259161 267.7772  77.8998 12.43229183 36497
Magion 2
1 20281U 89 80  B 90200.49004333  .00016289  00000-0  51470-2 0  6111
2 20281  82.5939 207.9660 1256103 265.2268  80.4732 12.44080799 36614
GPS BII-04
1 20302U 89 85  A 90186.37739525 -.00000028  00000-0  99999-4 0  1365
2 20302  54.6179 316.3206 0029365 324.1311  35.6734  2.00373177  5230
Meteor 3-3
1 20305U 89 86  A 90200.00125626  .00000124  00000-0  30767-3 0  1731
2 20305  82.5544 195.5555 0014594 247.6260 112.3317 13.15859838 35136
COBE
1 20322U 89 89  A 90198.51779839  .00002387  00000-0  15710-2 0  1481
```

```
2 20322  99.0214 208.4274 0007966 282.6665  77.3604 14.02587354 33749
Kvant-2
1 20335U 89 93  A 90200.96587198  .00020649  00000-0  22709-3 0  3095
2 20335  51.6107 165.2471 0010777 162.8666 197.2392 15.63072806 36884
GPS BII-05
1 20361U 89 97  A 90191.06758882  .00000015  00000-0  99999-4 0   883
2 20361  54.9603 139.4444 0064503  48.5942 311.9250  2.00581338  4184
SPOT 2
1 20436U 90  5  A 90201.08410830  .00000136  00000-0  72619-4 0  2852
2 20436  98.7344 275.1561 0000824  88.7745 271.3507 14.20025919 25412
UO-14
1 20437U 90  5  B 90198.85198439 -.00000182  00000-0 -64555-4 0  1820
2 20437  98.6963 274.8706 0012382  67.3557 292.8911 14.28657276 25245
UO-15
1 20438U 90  5  C 90197.83066852  .00000302  00000-0  13680-3 0  1050
2 20438  98.7005 273.8340 0011315  69.2087 291.0304 14.28394851 25098
PACSAT
1 20439U 90  5  D 90199.04964010  .00000233  00000-0  10857-3 0   953
2 20439  98.7016 275.1854 0012488  66.2032 294.0457 14.28763656 25270
DO-17
1 20440U 90  5  E 90199.18477369  .00000256  00000-0  11723-3 0   987
2 20440  98.7008 275.3312 0012650  65.8478 294.4027 14.28810988 25294
WO-18
1 20441U 90  5  F 90197.63130125  .00000304  00000-0  13638-3 0   983
2 20441  98.7035 273.8046 0013278  69.0881 291.1718 14.28905580 25073
LO-19
1 20442U 90  5  G 90198.18306521  .00000245  00000-0  11304-3 0   982
2 20442  98.7034 274.3752 0013526  68.7277 291.5348 14.28974883 25158
GPS BII-06
1 20452U 90  8  A 90191.64282447  .00000001  00000-0  99999-4 0   808
2 20452  54.5508 255.0660 0027829  44.9864 315.3289  2.00872988  3311
MOS-1B
1 20478U 90 13  A 90201.09500377 -.00000168  00000-0 -11180-3 0  3521
2 20478  99.1895 271.1758 0000677  52.7519 307.3758 13.94830548 22725
DEBUT
1 20479U 90 13  B 90199.58691214  .00000106  00000-0  28803-3 0   946
2 20479  99.0360 240.1658 0540852 337.5079  20.3134 12.83157648 20779
FO-20
1 20480U 90 13  C 90197.64088855 -.00000102  00000-0 -20112-3 0   936
2 20480  99.0360 238.5823 0541013 341.9748  16.2777 12.83138774 20527
MOS-1B R/B
1 20491U 90 13  D 90199.61947455 -.00000755  00000-0 -13996-2 0  1012
2 20491  99.0397 244.7496 0470819 317.6475  38.9168 13.02741589 20493
Soyuz TM-9
1 20494U 90 14  A 90200.83800671  .00021023  00000-0  23115-3 0  2061
2 20494  51.6139 165.8940 0009822 157.8254 202.2903 15.63081675 24772
LACE
1 20496U 90 15  A 90199.27586794  .00003235  00000-0  20348-3 0  1953
2 20496  43.0912 151.9051 0016100 190.2309 169.8244 15.10921313 23225
RME
1 20497U 90 15  B 90199.89596893  .00005785  00000-0  16476-3 0  2010
2 20497  43.1047 116.2238 0017298 194.2193 165.8162 15.36761014 23718
Nadezhda 2
```

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1 20508U 90 17  A 90199.56012948  .00000058  00000-0  55657-4 0  1307
2 20508  82.9508  36.7707 0042982 259.1566 100.4748 13.73219333 19311
OKEAN 2
1 20510U 90 18  A 90201.06932824  .00000819  00000-0  12335-3 0  2215
2 20510  82.5249  67.4445 0019837 162.8697 197.3257 14.73271918 20916
INTELSAT-6
1 20523U 90 21  A 90200.97206925  .00001458  00000-0  99999-4 0  2254
2 20523  28.3454  48.7235 0018530 173.4221 186.3658 15.02628321 19384
GPS BII-07
1 20533U 90 25  A 90196.82871687 -.00000032  00000-0  00000 0 0   537
2 20533  55.1008  14.7818 0036435 102.9248 257.5125  2.00550609  2174
PegSat
1 20546U 90 28  A 90200.56991148  .00001589  00000-0  99999-4 0  1567
2 20546  94.1159 232.3001 0147619 214.2179 144.9457 15.00702903 15695
HST
1 20580U 90 37  B 90200.97574432  .00001565  00000-0  16472-3 0  1404
2 20580  28.4707  40.9726 0005541 110.5801 249.5483 14.84610407 12850
Cosmos 2079
1 20619U 90 45  A 90183.18162415 -.00000015  00000-0  99999-4 0   666
2 20619  64.8990  38.4694 0021232 211.7782 148.1393  2.13102858   940
Cosmos 2081
1 20621U 90 45  C 90175.84977191 -.00000015  00000-0  99999-4 0   488
2 20621  64.8983  38.7309 0011927 198.4009 161.6165  2.13101327   794
Cosmos 2082
1 20624U          90178.33809439  .00000248  00000-0  15642-3 0   499
2 20624  71.0027 289.2272 0005895 345.8847  14.2115 14.12184586  5101
1990 046B
1 20625U 90 46  B 90176.75202607 -.00000199  00000-0 -94929-4 0   175
2 20625  71.0012 292.4176 0016855 297.5224  62.4185 14.13303811  4886
Kristall
1 20635U 90 48  A 90200.96585317  .00028629  00000-0  31225-3 0   873
2 20635  51.6101 165.2488 0009615 162.2043 197.7915 15.63086674  7760
ROSAT
1 20638U 90 49  A 90187.00592365  .00002308  00000-0  21651-3 0   291
2 20638  52.9885 326.8089 0015955  44.1557 316.0698 14.97741876  5108
1990 049B
1 20639U 90 49  B 90186.77313651  .00012056  00000-0  52549-3 0   363
2 20639  52.5158 315.1529 0074503 358.3877   1.6875 15.20114840  5158
INSAT 1-D
1 20643U          90189.97330122 -.00000137           10000-3 0   164
2 20643   0.1487 277.8879 0004816 163.5074 278.7114  1.00269441   243
1990 051C
1 20645U 90 51  C 90190.98470716  .00146799  24824-4  66570-3 0   250
2 20645  27.1777 158.6411 7466348 194.5605 117.5635  2.10584253   563
Molniya3-38
1 20646U 90 52  A 90200.10814418  .00000037  00000-0 -73888-3 0   474
2 20646  62.8398 222.1210 7408122 280.1598  10.9867  2.00631672   753
1990 052D
1 20649U 90 52  D 90193.14108054  .00000552  00000-0  64582-3 0   218
2 20649  62.8452 223.2199 7449528 280.1064  10.7836  1.96250117   588
Gorizont 20
1 20659U 90 54  A 90200.67565930 -.00000191  00000-0  99999-4 0   309
2 20659   1.4506 269.2197 0018148 241.1368 119.4968  1.00255697    73
```

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1990 054D
1 20662U 90 54  D 90194.63272051 -.00000331  00000-0  99999-4 0   126
2 20662   1.4948 269.1293 0015655 296.6548  63.6942  1.00512434   255
Cosmos 2084
1 20663U 90 55  A 90200.59639727  .00007190  00000-0  11641-2 0   538
2 20663  62.8053  82.4265 0125965   8.1706 352.1652 14.66814477  4062
1990 055B
1 20664U 90 55  B 90200.96612867  .04985845  41693-4  97332-3 0   520
2 20664  62.8125  63.7169 0060269 125.2998 236.0237 16.25735070  4446
1990 055C
1 20665U 90 55  C 90200.97146044  .08321023  42303-4  57315-3 0   534
2 20665  62.8489  64.3459 0052559 124.3855 237.2677 16.33134993  4441
1990 055D
1 20666U 90 55  D 90197.68699122  .00001667  00000-0  27488-3 0   193
2 20666  62.7952  91.3973 0121322  14.4345 346.0168 14.69533585  3647
INTELSAT-F6
1 20667U 90 56  A 90195.29538657 -.00000227  00000-0  99999-4 0   127
2 20667   0.3486 256.0076 0023271 331.1985 132.5929  1.00263432   232
1990 056C
1 20669U 90 56  C 90196.34309319  .00005471  00000-0  21619-2 0   146
2 20669  24.2393 256.6104 7415498  14.0926 358.6920  2.10899019   464
Meteor 2-19
1 20670U 90 57  A 90200.03770228  .00000056  00000-0  45222-4 0   201
2 20670  82.5450 263.3880 0015670 192.8312 167.2453 13.83839829  2921
1990 057B
1 20671U 90 57  B 90197.64736188  .00000032  00000-0  23425-4 0    71
2 20671  82.5467 265.2787 0014604 202.3839 157.6683 13.84158599  2594
GAMMA
1 20683U 90 58  A 90200.56189697  .00026442  00000-0  51274-3 0   231
2 20683  51.6176  48.0652 0013536 245.4144 114.6005 15.47394290  1286
1990 059A
1 20685U 90 59  A 90198.08455059  .00197292 -62599-5  48209-3 0    70
2 20685  28.4931 297.7287 0562305 138.0890 226.3844 14.90429605   168
1990 059B
1 20686U 90 59  B 90201.29212070  .00385762 -66430-5  91727-3 0   110
2 20686  28.4910 276.9253 0547664 171.9747 189.0105 14.94099183   642
1990 060A
1 20687U 90 60  A 90200.62252310  .00119033  53767-5  18873-3 0    81
2 20687  82.3198 101.2494 0006012 314.3672  45.6716 16.03702390   361
1990 060B
1 20688U 90 60  B 90200.71831359  .19354792 -64736-5  12487-3 0   119
2 20688  82.3090 101.0887 0017629  82.4049 280.5070 16.53216264   384
--
Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology


From -2889643802804451034
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98150dc57a91856a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-22 14:00:21 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!KD9UU.AMPR.ORG!pat
```

From: pat@KD9UU.AMPR.ORG
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9007222043.AA24283@ucsd.edu>
Date: 22 Jul 90 20:43:38 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Sun Jul 22 21:43:38 1990

Censored for Amateur Radio by FIXMAIL.
Received: from kd9uu.ampr.org by pgd.adp.wisc.edu with SMTP
     id AA15931 ; Sun, 22 Jul 90 15:32:31 CST
Date: Sun, 22 Jul 90 15:13:50 CST
Message-Id: <10381@kd9uu.ampr.org>
From: pat@kd9uu.ampr.org (Pat Davis, Wisc./Mich.(U P) AMPR IP Address Coord.)
Reply-To: pat%kd9uu.ampr.org@pgd.adp.wisc.edu
To: info-hams%ucsd.edu@pgd.adp.wisc.edu
Subject: "Mods database"=129.100.22.100=hamster.business.uwo.ca --FYI, Pat

I hope I'm not being redundant ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
That's also the home of VIEW, a good mailer to run with KA9Q's NOS, since it
uses LIST as it's viewer.. Log on anonymous and 'cd view' ..

From -2696985708109560138
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7b2752a2d91a67a1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-22 15:29:22 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Repeaters, Communcator, et al
Message-ID: <2744@anasaz.UUCP>
Date: 22 Jul 90 16:16:35 GMT
References: <1721JKOSS00@RICEVM1>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 54
Posted: Sun Jul 22 17:16:35 1990

In article <1721JKOSS00@RICEVM1> JKOSS00@RICEVM1.BITNET (Jordan M Kossack) writes:
]RE: Repeaters
]
]On 21 Jul 90, phil@ux1.cso.uiuc.edu [Phil Howard, KA9WGN] writes
]-
]- Another problem is caused by the lack of use of CTCSS, anti-CTCSS, and
]- other features to prevent mutual interference. Back when adding just ONE
]- tone frequencey to an HT was expensive and difficult meant that few
]- repeaters would use it. Yet even then it was commonly done on UHF
]- repeaters to make a closed repeater. Today, you can easily and cheaply

]- add a synthesized CTCSS tone generator, and most new HT's already have it
]- builtin.
]   [...]
]- Closed repeaters have no place in a crowded band. I cannot see where they
]- serve the "Basis and Purpose". If the band cannot take Communicators,
]- remove the closed repeaters first.
]
]   This is something that has always puzzled me. When I was studying for
]the exam, I kept reading about how no one amateur owns any particular freqs
]but how repeaters effectively own freqs on a first come - first serve basis.
]Maybe what we need is for closed repeaters to have the lowest priority for
]frequency planning purposes. In other words, if somebody wants to put up an
]open repeater on a pair occupied by a closed repeater, the owners of the
]closed repeaters would have the option of opening their repeater for use by
]any ham or losing the allocation.

Last year I tried to get the AZ frequency coordinating committee to refuse to coordinate closed repeaters. The vote failed (lots of Cactus members on the committee). This year (next Saturday), I'll try again.

As far as I'm concerned, one can put up a closed repeater UNTIL someone wants to put an open repeater on the same frequency. Then, the closed repeater should either become open, or go away.

On another note, I am a member of a club (Arizona Repeater Association) that has a corporate by-law prohibitting it from owning closed repeaters. Unfortunately, the tech committee has been unable convince the non-technical board of directors that putting PL on a repeater, and publishing the PL frequency, does not make a repeater closed. Sigh. Lots of intermod.
We were at least able to get permission to add PL to a repeater in such a way that a PL'd signal gets "increased sensitivity." This really means that we cranked the squelch all the way closed for carrier only signals, and bypassed it with a PL decoder. This helps a bit.

Finally, let me point out that FCC regulations do not prohibit anyone from using closed repeaters. In fact, as far as I can tell, the ONLY way a repeater owner can stop you is to conceal the PL (easy to discover) or use crypto controls. They MIGHT be able to sue you, but is it worth it to them? Maybe we should all just go ahead and use closed repeaters.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From 3918102245844910252
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12b809d3e1a7d404,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,12b809d3e1a7d404,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-22 16:33:51 PST

Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!mcgill-vision!quiche!calvin!sami
From: sami@quiche.cs.mcgill.ca (Sami BOULOS)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: scanners
Message-ID: <3772@calvin.cs.mcgill.ca>
Date: 22 Jul 90 22:21:16 GMT
Followup-To: poster
Organization: SOCS, McGill University, Montreal, Canada
Lines: 11
Xref: gmdzi rec.radio.shortwave:1653 rec.ham-radio:13111
Posted: Sun Jul 22 23:21:16 1990

What's the opinion on the AOR AR3000? Should I wait for an ICOM IC-R1 or IC-R100, instead? (are these two ever going to be sold in North America?)

Thanks, in advance.

```
--
Sami Boulos                     | McGill University
sami@quiche.cs.mcgill.ca        | School of Computer Science
Tel:(514) 398-7084 (ext. 5928) | 3480 University
                                | Montreal, Quebec H3A 2A7
```

From -1127142781660962263
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-22 22:35:08 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!know!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <30500609@ux1.cso.uiuc.edu>
Date: 23 Jul 90 02:30:00 GMT
References: <13686@shlump.nac.dec.com>
Lines: 35
Nf-ID: #R:shlump.nac.dec.com:13686:ux1.cso.uiuc.edu:30500609:000:1733
Nf-From: ux1.cso.uiuc.edu!phil   Jul 22 21:30:00 1990
Posted: Mon Jul 23 03:30:00 1990

> In the technonerd utopia, every ham would be a technical whiz because
> they wanted to.
>
> This isn't the technonerd utopia, but the real world. If you want people
> to be more than mike-button jockeys, you gotta give them a reason to.
> Incentive licensing works quite well.

Incentive licensing made a few hams study (memorize) and go pass some test without understanding what they were even doing. No, incentive licensing did NOT (for most hams) achieve anything. Maybe, just maybe, better tests along with I.L. could have done it, but I'm not going to waste the NEXT 20 years trying to find out.

The button-pushing mike jockeys are just going to be button-pushing mike jockeys and that's that and we will just have to live with it.

Ham radio tests do NOT need to be deeply technical to be applicable. Sure, basic radio theory is needed to operate a rig RIGHT (such as understand that sidebands really do take up spectrum). The test does NOT need to determine if you can BUILD a rig; it should just make sure you know enough to not mess up other users of the sprectrum when you push the button.

But the tests themselves need to be well designed to make sure that no one slips through the cracks AND at the same time be fair so that it lets through anyone who can be a good ham in any interest area.

Only the BASICS need to be tested, but they need to be tested WELL. No special interests need to be tested on at all. Not packet, not ATV, not Morse Code. If you pass a well designed BASIC test, you will have the knowledge you need to deal with the special cases.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 1530675394039361984
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8922354d12c12a8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-22 22:48:09 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!pacbell.com!ames!ncar!ico!isis!scicom!zebra!rusty
From: rusty@zebra.UUCP (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Hi again
Summary: VERY temporary email address?
Message-ID: <216@zebra.UUCP>
Date: 22 Jul 90 14:55:35 GMT
Reply-To: rusty@zebra.UUCP (Rusty Carruth)
Organization: Dazed and Cadfused, totally!
Lines: 23
Posted: Sun Jul 22 15:55:35 1990

Well, as promised, here is a temporary email address for me. I'm still working on figuring out all the nuances of the system, so I apologize if I've accidentally posted a really weird (stupid) article.

All email to me at uunet!cadnetix!rusty should be waiting for me when I get back to work on July 30, so if you've sent email which you feel cannot wait until then, you will have to give me a call, as

I'm going to be away from modems for a week... My home # is (303)
673-9041, if you Must Know :-).

Theoretically my current (temporary, I hope!) email address is
scicom!zebra!rusty. See .sig for more info...

(Oh, the joys of 'modern' business :-(and takeovers :-(:-(:-(
)   <- must have your terminating paren, you know :-)

Rusty...

--
*****temporary .sig follows*****
Rusty Carruth, temporarily at:{ncar,nbires,boulder,isis}!scicom!zebra!rusty
N7IKQ,   P.O. Box 461, Lafayette, CO 80026

From 6345610561738276576
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84ce1a76bba68b9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-22 22:51:46 PST
Path: gmdzi!unido!mcsun!uunet!samsung!rex!ukma!uflorida!mlb.semi.harris.com!moosh.mlb.semi.harris.com!mmt
From: mmt@moosh.mlb.semi.harris.com (Mojgan M. Thompson)
Newsgroups: rec.ham-radio
Subject: UNIX Software for learning Morse Code
Message-ID: <1990Jul23.021150.25401@mlb.semi.harris.com>
Date: 23 Jul 90 02:11:50 GMT
Sender: news@mlb.semi.harris.com
Organization: Harris Semiconductor, Melbourne FL
Lines: 10
Posted: Mon Jul 23 03:11:50 1990

I'm intersted in obtaining any software that can be used for learning
Morse code on a UNIX machine. If you know of such software, please
contact me via email or post.

Thanks in avdance,
--
```
                  ______          ______        ... Mojgan
             _  o(_||___)________/___           ... mmt@mlb.semi.harris.com
           O(_)(       o  ______/    \          Discover the best two thirds
         *______/------o-'            \         of the world...
```

From -7721959110747271083
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ba718edaa3e9a102,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-22 23:15:19 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!CMR.NCSL.NIST.GOV!rc

From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: How Many More Hams Needed?
Message-ID: <9007230248.AA01930@cmr.ncsl.nist.gov>
Date: 23 Jul 90 02:48:29 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
     formerly National Bureau of Standards
Lines: 27
Posted: Mon Jul 23 03:48:29 1990

To Mark Bitterlich WA3JPY, with copy to all...:
I've noted your generally intelligent comments on INFO-HAMS. You recently proposed three reasons for wanting lots of new hams. One of them is that numbers are the most important thing (to paraphrase).
The conventional wisdom is that the most important factor in keeping the bands is that the NUMBER of hams must be greatly increased. That is said to be the reasoning behind the ARRL and FCC proposals. In today's world, they say, numbers are all - people vote, we need more hams.

I can't agree that it will work. More may be useful, but more hams on two won't do much to show need for the other VHF/UHF bands. The concept that crowding on two will cause a shift to other bands seems as likely as saying that crowding on 20 will cause a mass shift to other bands.

I've done some VERY rough estimates of the number of new hams needed to make ALL the bands from 50 to 1300 MHz busy at the PEAK HOUR of the PEAK DAY of the week. If ALL new hams operated on these bands, the number of hams in New Jersey would have to triple, and the number in Indiana would have to increase 13 times.

I don't expect ALL new hams to operate on these 6 VHF/UHF bands, and I don't expect the number of hams in Indiana to increase 13 times - or to triple in New Jersey - without a basic change in the concept of amateur radio.

Any commments or suggestions?

Bob W3OTC

From 6933676135674597119
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: ff4aa,5b4968acfcb95681,start
X-Google-Attributes: gidff4aa,public
X-Google-ArrivalTime: 1990-07-23 01:17:07 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Wayne and Byte...
Summary: WAYNE, WAYNE, WAYNE!
Message-ID: <926@ssc.UUCP>

Date: 22 Jul 90 18:06:21 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com>
<.9G&SP@splut.conmicro.com>
Organization: very little
Lines: 33
Posted: Sun Jul 22 19:06:21 1990

In article <.9G&SP@splut.conmicro.com>, jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard) writes:
> In article <910@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
> >[...] when [Wayne Green] was running for Vice President of the United
> >States [...]
>
> ...and I'd thought I'd heard of everything.
>
> Tad, are you serious? When was this? Who'd run with him?
>

Yes, I'm afraid so! I did NOT make this up. In the last presidential campaign Wayne announced his candidacy for VP of the U.S., and he did NOT have a presidential running mate! If you check out his editorials in 73 at the time, he had all these "great" ideas to "get this country RUNNING again" (maybe like Lyndon LaRouche and his "full mobilization" plans?).

He claimed at news conferences in New Hampshire (remember that there is an important primary in his home state) that he was a succesfull businessman, engineer, etc, and he had some ideas about improving education and global competetiveness. I think part of the reason that his old cohorts published the book was to refute some of his wild claims about himself, which were not being questioned by the media.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 3594659286913860110
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc07198dd56f7e99
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-23 10:52:06 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!hplsla!charlier
From: charlier@hplsla.HP.COM (Charlie Panek)
Newsgroups: rec.ham-radio
Subject: Re: World Radiosport Team Championship

Message-ID: <5720075@hplsla.HP.COM>
Date: 23 Jul 90 17:52:06 GMT
References: <31781@cup.portal.com>
Organization: HP Lake Stevens, WA
Lines: 30
Posted: Mon Jul 23 18:52:06 1990

>/ hplsla:rec.ham-radio / k2ph@cbnewsj.att.com (The QRPer) / 5:59 am Jul 17, 1990 /
>From article <43035@apple.Apple.COM>, by winter@Apple.COM (Patricia Winter):
>> In article <913@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>
>... lots of stuff deleted along the way ...
>
>The rules that I have, courtesy of Chod Harris and the DX Magazine,
>say 1 point for QSOs with the same country. So, stateside QSOs will
>still count. However, they will be able to work a million JAs, etc.
>for three times as many points!
>

Having been involved in a small way with the goings on here in Seattle, I got to talk to some of the /WG contesters the morning after the contest. Guess what: they hardly worked any JA's at all.. The highest qso-total team (over 1300 QSOs) only had a couple of dozen JA QSO's. One of the other teams (the Brits, I think), didn't talk to ANY! *Everyone* was asking: "where were the JA's?" Propagation condx were generally mediocre to poor, with Europe only coming in during the last 2-3 hours. The handful of JA's I worked during end of the contest all had very low serial numbers, most below 100. Yup, stateside contacts were the bread and butter of the contest.

Still, everyone had a blast.. the competition was fierce, yet friendly, and the opportunity to meet so many famous call signs face-to-face was humbling, to say the least...

Charlie Panek (UUCP: hplabs!hp-pcd!hplsla!charlier)
KX7L   (domain: charlier%hplsla@hplabs.hp.com)

From -9124242450027948384
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe1482054b817262
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-23 13:17:35 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ames!coherent!athertn!steveh
From: steveh@athertn.Atherton.COM (Steve Harding)
Newsgroups: rec.ham-radio
Subject: Re: Cellular telephone as emergency service?
Message-ID: <27642@willow.athertn.Atherton.COM>
Date: 23 Jul 90 15:56:49 GMT
References: <9007192350.AA07535@ucsd.edu> <1990Jul20.175844.8030@ariel.unm.edu>

<1990Jul21.164302.19756@ameristar>
Reply-To: steveh@Atherton.COM (Steve Harding)
Organization: Atherton Technology, Sunnyvale, CA
Lines: 31
Posted: Mon Jul 23 16:56:49 1990

In article <1990Jul21.164302.19756@ameristar> rick@ameristar (Rick Spanbauer) writes:

> The other interesting question is how amateur radio did during the
> bay area earthquake in terms of equipment availability, message flow,
> and congestion of channels.
>
> Rick Spanbauer/WB2CFV
> Ameristar Technology

Here in the Santa Clara (Silicon) Valley, ARES/RACES is quite well organized. I think it has something to do with the fire dangers we have every summer. We were only a few miles from the epicenter of the Loma Prieta quake.

Most communication was done via 2-mtrs. Emergency networks were in place within minutes after the quake. Communications were between county offices, shelters, ARES groups, and other official and not so official organizations.

The problems were mainly with H&W traffic into the area, but that is a subject for another discussion (and one of my hot buttons).

Overall, the hams trained for emergency communications did their jobs quickly and effectively. Would we have been in trouble if there was not a corps of trained hams? You betcha!

I have a commendation certificate from the ARRL hanging on my wall. It was given to me in recognition of the work I did during the quake. The time I spent was no where near the hours and hours given by other volunteers.

It is one of my most prized possessions.

73 de KA6ETB @ N6LDL.CA - NTS NCN packet manager

From 5294887410327915835
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0e0df73613e7dca,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-23 13:49:46 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!TECNET1.JCTE.JCS.MIL!mgb
From: mgb@TECNET1.JCTE.JCS.MIL
Newsgroups: rec.ham-radio
Subject: ANS: How Many More Hams Needed?
Message-ID: <9007231722.AA00717@tecnet1.jcte.jcs.mil>
Date: 23 Jul 90 17:22:13 GMT
Sender: daemon@ucbvax.BERKELEY.EDU

Organization: The Internet
Lines: 68
Posted: Mon Jul 23 18:22:13 1990

rc@cmr.ncsl.nist.gov Bob W3OTC writes:

>I've noted your generally intelligent comments on INFO-HAMS.

Well... there goes MY ego! :-) Thanks.

>You recently proposed three reasons for wanting lots of new hams.
>One of them is that numbers are the most important thing (to paraphrase).
>The conventional wisdom is that the most important factor in keeping the
>bands is that the NUMBER of hams must be greatly increased. That is said
>to be the reasoning behind the ARRL and FCC proposals. In today's world,
>they say, numbers are all - people vote, we need more hams.

Bob, in trying to keep the tension down, I was writing a list of some of the more common reasons that I have read for establishing the Communicator Class and what privileges they should have and why. The list that you are paraphrasing did not necessarily mean that I (personally) supported any one of them over the other. Actually I was just trying to point out the varying thoughts that have been posted by others and that it is hard to say how we should get to a goal when we really haven't totally agreed just what that goal should be! :-) This is not a flame nor even a correction, just a slight clarification.

>I can't agree that it will work. More may be useful, but more hams on two
>won't do much to show need for the other VHF/UHF bands. The concept that
>crowding on two will cause a shift to other bands seems as likely as saying
>that crowding on 20 will cause a mass shift to other bands.

And I PERSONALLY happen to agree with you 100% !!!! More than 100% if that is possible! That is why (IMHO) I do not get a warm fuzzy feeling about giving the Communicator Class Two Meter privileges. I am worried about them "parking the car" on 2 meters from now until the end of time. I am also worried about how they will be treated by others on that band. There are a LOT of nice people there, but I am worried about the 1 jerk that could really affect their perspective of Amateur Radio. Sure.. there are nasty people all over... but there seems to be a concentration of them on a few bands over others... and on VHF/UHF, I believe that happens to be 2 meters. There are a LOT of VERY GOOD logical/moral arguments for allowing them on 2 meters, however regardless of the great points being made I just have a hard time buying off on it. Trying to force hams on 2 meters to develop other (higher) bands because of the possible congestion caused by Communicators is ... well.... in my opinion a VERY BAD idea. Phil Howard originally wrote this, but in private conversation I found out that he really didn't mean it quite as it sounded. (Correct Phil?)

>I've done some VERY rough estimates of the number of new hams needed to
>make ALL the bands from 50 to 1300 MHz busy at the PEAK HOUR of the PEAK
>DAY of the week. If ALL new hams operated on these bands, the number of
>hams in New Jersey would have to triple, and the number in Indiana would

>have to increase 13 times.

Not to mention that all of them would have to have the equipment to operate
on the bands that you included in your estimates. Yes.. I see what you are
saying.

>I don't expect ALL new hams to operate on these 6 VHF/UHF bands, and I don't
>expect the number of hams in Indiana to increase 13 times - or to triple in
>New Jersey - without a basic change in the concept of amateur radio.

>Any comments or suggestions?

Not from me. I believe that you and I are thinking along the same lines. :-)

Thanks for your reply!

Mark Bitterlich
wa3jpy@wb4uou
mgb@tecnet1.jcte.jcs.mil

From 1731319603030217823
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4ba9731d9e8a0f8b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-23 14:30:43 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!dali.cs.montana.edu!
milton!uw-beaver!ubc-cs!kiwi!liszt!gjernes
From: gjernes@liszt.mpr.ca (Murray Gjernes)
Newsgroups: rec.ham-radio
Subject: Re: FO-20 satellite usage
Message-ID: <2264@kiwi.mpr.ca>
Date: 23 Jul 90 15:15:14 GMT
References: <55985@microsoft.UUCP>
Sender: news@eric.mpr.ca
Reply-To: gjernes@liszt.UUCP (Murray Gjernes)
Organization: Microtel Pacific Research Ltd., Burnaby, B.C., Canada
Lines: 13
Posted: Mon Jul 23 16:15:14 1990
Keywords:

In article <55985@microsoft.UUCP> joehol@microsoft.UUCP (Joseph HOLMAN) writes:
>   but, where is everybody !!! their used to be lots of
>   people on JA mode...

A problem I have is never knowing when to expect mode JA to be on. With
FO-12 we sometimes would get a mode schedule for the satellite.
Is there such a schedule for FO-20? It is very frustrating to play the
chances and find the satellite off, or in digital mode.

gjernes@mprgate.mpr.ca   or   uunet!ubc-cs!mpre!gjernes
Murray B. Gjernes P.Eng. VE7MBG   Tel: (604)293-5340
MPR Ltd, 8999 Nelson Way, Burnaby, B.C.   Fax: (604)293-5787

Canada   V5A 4B5   Telex: 043 56628

From 3654395362652614088
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15cdff01475dad2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-23 14:31:27 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!hp-ptp!bmp
From: bmp@hp-ptp.HP.COM (Brian Perkin)
Newsgroups: rec.ham-radio
Subject: Re: Lat and Long listings?
Message-ID: <2700013@hp-ptp.HP.COM>
Date: 23 Jul 90 21:31:27 GMT
References: <9007171126.AA18235@ucsd.edu>
Organization: HP Pacific Technology Park - Sunnyvale, Ca.
Lines: 7
Posted: Mon Jul 23 22:31:27 1990

If accuracy to the nearest minute is sufficient, talk to
your nearest pilot. Sectional charts have that much detail,
are commonly available, and pilots throw old ones away every
six months.

Brian
N6RSW

From 8460757901043137121
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-23 14:34:26 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!swrinde!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Qualification-based licensing
Message-ID: <1080@ke4zv.UUCP>
Date: 23 Jul 90 14:57:50 GMT
References: <13686@shlump.nac.dec.com> <15961@ucsd.Edu>
<0RM&TNF@splut.conmicro.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 27
Posted: Mon Jul 23 15:57:50 1990

In article <0RM&TNF@splut.conmicro.com> jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard) writes:
>In article <15961@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>>What a load of crap.
>[...]

>>Incentive licensing sucks hard. Let's abolish it.
>
>I agree, Brian: that's a load of crap.
>
>In the technonerd utopia, every ham would be a technical whiz because
>they wanted to.
>
>This isn't the technonerd utopia, but the real world. If you want people
>to be more than mike-button jockeys, you gotta give them a reason to.
>Incentive licensing works quite well.
>

Now that's a load of crap! Creating a CW speed based caste system has really turned amateur radio into something that is advancing the state of the art hasn't it. Why just look at SSB, uh sorry developed by the mike jockeys prior to 1968. Well how about FM repeaters, nope pre-68 again. Packet, yeah that's the ticket, hmm, it says here that most of the packet guys hold TECHNICIAN tickets. Maybe you are right Jay, it seems that incentive licensing has caused the cw speed freaks to cling to the lower 25khz of 20 meters and GET OUT OF THE WAY OF THOSE ADVANCING THE STATE OF THE ART.

Gary KE4ZV

From 8654149424670153140
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6689244f30762af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-23 14:41:40 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!swrinde!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Communicator Class
Message-ID: <1079@ke4zv.UUCP>
Date: 23 Jul 90 14:44:23 GMT
References: <9007221626.AA23185@tecnet1.jcte.jcs.mil>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 67
Posted: Mon Jul 23 15:44:23 1990

In article <9007221626.AA23185@tecnet1.jcte.jcs.mil> mgb@TECNET1.JCTE.JCS.MIL writes:
>
>...Two meters in many
>parts of the country is the band that has the most controversial
>behavior. Are these the people that you want teaching these new
>hams? There still remains the problem of NO REPEATERS above 2 meters
>in many parts of the country, and for that I have no answer...
>It seems we are worried about the same things! I do not want to see
>the "Communicators" put into a go-no-where position, and I believe that

>dumping them onto two meters will do exactly that. I fail to see where
>putting them on 220 and above first, will cause what you predict to happen.
>If they are technically inclined, then they will get with the movers and
>shakers and start their own work... if they are not, then they will just
>use what is already there. If there is nothing there already, then they
>will just lose interest and go away. If they start inundating two meters,
>then I suspect that a lot of things will happen, and very few of them good.
>
>I guess it depends on what you are looking for. If all you want is a
>tremendous influx of new hams, then offer them 2 meters, give them a
>simple written test (and no code requirement), and then (IMHO) more than
>likely you will achieve that end. If you are looking to attract people that
>want to come into the hobby in order to help build it, then consider putting
>them with the people that are already doing that, and from what you have
>said it appears that we both agree that such people are to be found ABOVE
>the 2 meter band.
>

Not exactly, in most parts of the country there is currently
very little activity above two meters. By dumping the newcomers into the
wasteland they will either fail or more likely form their own CB-like
clubs to support their new repeaters. By ghettoizing them this way they
will not receive the socialization needed to become mainstream hams.
When I mentioned pioneers moving up frequency in my previous posting,
I carefully noted that this is only happening where two meters is
filling up. In most parts of the country this is not the case yet.

>The real problem is finding a common ground on what we all really want.
>Is it a lot of new hams? A lot of new YOUNG hams? A lot of new hams
>(probably not real young) with technical talent? Some kind of blend of
>all the above? A wide open uncontrolled development? It seems that
>everyone has their own ideas of what it should be and it sure makes for
>some interesting reading doesn't it?   Just for the record, I am one of
>the ones that want to see people coming into the hobby that want to learn
>about the technical aspects and contribute towards its development. I am
>not gainsaying the other aspects of the hobby... it just seems to me that
>"technically" we are losing ground more rapidly than any other area.

I personally want several things from this restructuring but, primarily
I want fairness. I admit that I am still bitter about 1968. I can never
understand why I was required to demonstrate faster CW operation in order
to regain some of the voice frequencies I enjoyed prior to 1968. In my
opinion incentive licensing has been the biggest disaster for amateur
radio. It created a divisive caste system that haunts us to this day.
I want to bring hams back together instead of creating a new class of
untouchables.

I also want to see a lot of young hams come back into the hobby. As
Phil Karn said, ham radio has been the start of a lifelong interest
in electronics and high technology in general for many people. I count
myself as one of those. I want a new generation of twelve year olds to
experience the magic like I did.

As for technical folks, I expect that they will be represented among the newcomers in about the same proportion as they are in the current ham population.

Gary KE4ZV

```
From 8376652823735660416
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31b86f9255b45ace,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 19:15:10 PST
Path: gmdzi!unido!mcsun!uunet!nems!ark1!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!GTE.COM!rossjr%gtec3.dnet
From: rossjr%gtec3.dnet@GTE.COM (Charlie Ross, Jr.)
Newsgroups: rec.ham-radio
Subject: Communicators on 6 and 2
Message-ID: <9007191619.AA24889@bunny.gte.com>
Date: 19 Jul 90 16:19:48 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 48
Posted: Thu Jul 19 17:19:48 1990
```

Ken Hendrickson, N8DGN/6, writes:

<<I do think that the new licensees should be restricted to 220 MHz and up, and perhaps should be restricted _from_ using voice modes below some arbitrarily higher frequency, like 902 MHz. Is there any net-wisdom on this issue?>>

I question the rationale for such an exclusion. I particularly question it from the point-of-view of the FCC, which is supposed to be concerned with serving the public interest. To quote from my comments on the NPRM:

"Communicator licensees should be granted full privileges above 30 MHz, subject to the 200 watt PEP power limitation in the NPRM.... It is important that Communicators have access to the two-meter band, in particular. The majority of VHF packet radio and voice communications--both general-use and public-service--occurs on this band. Morse code operation is practically nonexistent. Excluding Communicators from two meters would severely limit their ability to participate in the mainstream Amateur Radio experience, and thus dead-end many new operators who otherwise would become motivated to upgrade. Indeed, many amateurs find that their two-meter operations bring them in contact with other local hams with common interests. Although two meters is the most-congested VHF band, I believe it can tolerate an additional influx of users. Furthermore, increased traffic on two meters will stimulate increased use of alternative VHF/UHF bands, in itself a desirable objective.

"...The ultimate criterion must be how to best serve the public interest; I fail to see how excluding Communicators would meet this test."

I've tried to abstain from most of the "flaming" on the no-code issue. It's not an easily-resolved problem, and emotions run very deep. However, if you (like me) reach the point where you decide that a no-code license class is a good idea, it's really hard to justify excluding Communicators from 6 and 2.

I agree with Phil Karn:

<<Those who support no-code privileges only above 220 MHz sound a lot like people who say they're all in favor of equal housing rights, as long as nobody moves into THEIR neighborhood...>>

Charlie Ross, NC1N

rossjr%godot@gte.com
charlie@nc1n.ampr.org
NC1N @ WA1PHY.MA

From 5197547352538808361
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,895fd0dc629f9fd6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 19:27:58 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!nisca.ircc.ohio-state.edu!zaphod.mps.ohio-state.edu!sunybcs!bowen
From: bowen@cs.Buffalo.EDU (Devon E Bowen)
Newsgroups: rec.ham-radio
Subject: Re: QSL help, please?
Keywords: marvin, old calls
Message-ID: <31063@eerie.acsu.Buffalo.EDU>
Date: 19 Jul 90 18:37:39 GMT
References: <10245.26a04458@ecs.umass.edu> <43135@apple.Apple.COM>
Sender: news@acsu.Buffalo.EDU
Reply-To: bowen@cs.Buffalo.EDU (Devon E Bowen)
Organization: State University of New York at Buffalo/Comp Sci
Lines: 10
Posted: Thu Jul 19 19:37:39 1990
Nntp-Posting-Host: castor.cs.buffalo.edu

In article <43135@apple.Apple.COM>, winter@Apple.COM (Patty Winter) writes:
> I thought Devon might have pointed this out by now, but since he hasn't...

Thanks for the pitch. I've taken to just skimming the posts here and I missed that one. The S/N ratio in this group doesn't justify the time it takes from my other projects.

(heavy sigh)

Devon

From -4412545926271907296
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2154e792086938b4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 19:31:51 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!ucbvax!TRIUMFER.BITNET!MULTI
From: MULTI@TRIUMFER.BITNET
Newsgroups: rec.ham-radio
Subject: B&W ap-10 apartment antenna
Message-ID: <90Jul19.143319edt.57553@ugw.utcs.utoronto.ca>
Date: 19 Jul 90 18:29:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Thu Jul 19 19:29:00 1990

I have had trouble making my B&W AP-10 apartment antenna work on 40 meters. I can tune the resonantor to 1:1 SWR with my KW SUPERmatch antenna tuner, but the antenna radiates like a dummy load. Eight feet of wire stretched across the room loaded with the antenna tuner works way better. Ideas.

Ya'akov Miles,
<multi@triumfcl.bitnet>

From 1508818028577839939
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3089600f194423f0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107077,3089600f194423f0,start
X-Google-Attributes: gid107077,public
X-Google-ArrivalTime: 1990-07-19 19:37:12 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!uwm.edu!lll-winken!csustan!john
From: john@csustan.csustan.edu
Newsgroups: soc.culture.african,rec.ham-radio
Subject: Seeking News from Liberia
Message-ID: <1990Jul19.184230.947@csustan.csustan.edu>
Date: 19 Jul 90 18:42:30 GMT
Organization: CSU, Stanislaus
Lines: 27
Xref: gmdzi soc.culture.african:1461 rec.ham-radio:13019
Posted: Thu Jul 19 19:42:30 1990

I am posting this article for a friend of mine. He has some close friends in Liberia that he got to know while in the Peace Corps. Because of the rebellion there, he has become concerned about their safety. Unfortunately, communications have become disrupted, and he is unable to get through to anyplace in the country using the telephone system.

He would like to get any news he can of:

1. Cuttington University College in Suacoco, Liberia

2. Moses T. Cooper & Family in Monrovia, Liberia

In addition, if anybody out there can suggest alternative ways of seeking this information, I would greatly appreciate hearing from you. In particular, I would like to get the names or addresses of any Internet sites in or near Monrovia, or find out how to contact any Ham-radio operators that are in communication with Monrovia.

Thanks.

john sarraille (john@ishi.csustan.edu),
computer science dept,
california state university, stanislaus,
turlock, ca 95380
(209) 667-3271 (office), (209) 667-7657 (home)

From 2068222371480903028
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a358e50b3f03467a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 19:49:00 PST
Path: gmdzi!unido!mcsun!uunet!midway!ux1.cso.uiuc.edu!brutus.cs.uiuc.edu!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!rice!uw-beaver!zephyr.ens.tek.com!tekigm2!davidn
From: davidn@tekigm2.MEN.TEK.COM (David C Norton)
Newsgroups: rec.ham-radio
Subject: Re: ARRL/QSL bureaus
Summary: You have it backwards
Message-ID: <9575@tekigm2.MEN.TEK.COM>
Date: 19 Jul 90 16:18:15 GMT
References: <1990Jul17.182130.26397@ecn.purdue.edu>
Organization: Tektronix Inc., Beaverton, Or.
Lines: 13
Posted: Thu Jul 19 17:18:15 1990

In article <1990Jul17.182130.26397@ecn.purdue.edu>, wb9omc@ea.ecn.purdue.edu (Duane P Mantick) writes:

> I get the idea,
> from talking to and listening to, hams who do a lott of overseas DX
> that direct mailing results in about a 50% or less response. Going
> out through the bureau results in a much higher percentage if for

You have been misinformed if you think that response is better via bureau than direct. Overseas direct requests, when done properly, result in better than 90% success within one year. Bureau requests would more approximate your 50% figure within five years. Any DXer I know who "needs" a foreign card will send direct to the DX station or his manager.

David, ab9o

```
From 756017988259639745
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31b86f9255b45ace
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 20:02:13 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!purdue!haven!decuac!
shlump.nac.dec.com!select.enet.dec.com!magid
From: magid@select.enet.dec.com (Joel Magid...)
Newsgroups: rec.ham-radio
Subject: Re: Communicators on 6 and 2
Message-ID: <13648@shlump.nac.dec.com>
Date: 19 Jul 90 19:26:53 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 11
Posted: Thu Jul 19 20:26:53 1990
```

In article <9007191619.AA24889@bunny.gte.com>, rossjr%gtec3.dnet@GTE.COM (Charlie Ross, Jr.) writes...
>
>
>   "Communicator licensees should be granted full privileges above
>30 MHz, subject to the 200 watt PEP power limitation in the NPRM.... It is

Why should we limit the power to 200 watts, lets remember that these people under the proposal are only different from the Tech by way of the code requirement. I believe they should have the same uhf/vhf privs as the current Tech class ham.

```
From 4276135775320387184
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b068affc1b8c865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 20:02:16 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!bionet!hayes.fai.alaska.edu!
acad3.fai.alaska.edu!ftpam1
From: ftpam1@acad3.fai.alaska.edu (MUNTS PHILLIP A)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio's value (Was: Re: Communicator Class)
Message-ID: <1990Jul19.184303.9903@hayes.fai.alaska.edu>
Date: 19 Jul 90 18:43:03 GMT
References: <25883@usc.edu> <7880189@hpfcdc.HP.COM>
Sender: usenet@hayes.fai.alaska.edu (J Random USENET)
Reply-To: ftpam1@acad3.fai.alaska.edu
Organization: University of Alaska Fairbanks
Lines: 9
Posted: Thu Jul 19 19:43:03 1990
News-Software: VAX/VMS VNEWS 1.3-4
```

In article <7880189@hpfcdc.HP.COM>, ajs@hpfcdc.HP.COM (Alan Silverstein) writes...
>> If hams are so public-service oriented, do all of YOU know CPR? (etc)...

Actually, I learned CPR at a meeting of the local ham club. (It was a special seminar on electrocution, etc.)

Philip Munts N7AHL
NRA Extremist, etc.
University of Alaska, Fairbanks

From -7709573819563494254
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bf37013b4991de5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 21:18:30 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!rutgers!att!cbnewsj!kb2glo
From: kb2glo@cbnewsj.att.com (thomas.kenny)
Newsgroups: rec.ham-radio
Subject: QSLing ratios
Message-ID: <1990Jul19.195354.16935@cbnewsj.att.com>
Date: 19 Jul 90 19:53:54 GMT
Sender: kb2glo@cbnewsj.att.com (thomas.kenny)
Organization: AT&T Bell Laboratories
Lines: 41
Posted: Thu Jul 19 20:53:54 1990

All this talk of QSLing got me interested enough to check my QSLing ratios. I've been DXing (mostly on 10 meters) since March of 1989 so I'm a relative new comer. I've always added notes to my cards thanking the other person for their QSO and card. If I need the card for an award I always state that as well. To get my DXCC count up quickly I've always included a green stamp or 2 IRCs and send direct for the first couple of contacts with a new country. Once confirmed on any band I send my card via the buro and do so about 10 times a year.

Well when I ran some statistics I was rather surprised at how low the buro ratio was. I wonder if cards take much more than a year. I've been getting a few cards a month but my log seems to have many more contacts. Most of my DX contacts have been with Europe but I do have scattered contacts on other continents as well. The best bet seems to be the use of managers! Of course I always included an SASE... I only did stats on QSOs that were over 6 months ago so as to reduce errors due to them being in the mail. Well here is what I found.

Direct DX with GS or IRCs: 113 sent, 90 recieved, 80%
Direct USA, SASE if new state otherwise postcard: 457 sent, 349 recv, 76%

Via the BURO: 126 sent, 25 received, 20% (pretty low?)
Via the BURO and over one year: 28 sent, 9 received, 32% (not much better)

Via a QSL manager 31 sent, 29 received, 94% (way to go!)

Well the low BURO count disturbs me because if I have the country confirmed and it is only a new country on a different band I've been sending them via the BURO....

I think my USA ratio is pretty good but that is probably because I sent out maybe something like 75 SASEs (or more?) to complete my WAS...

I'd like to hear other people's experiences, especially in regards to QSLing via the BURO. 73 DE KB2GLO.

```
--
Tom Kenny, KB2GLO
uucp:   att!lzatt!tek          internet: tek%lzlup@att.att.com
packet: kb2glo@nn2z.nj.usa.na  ampr: kb2glo@nn2z.ampr.org [44.64.0.10]
```

From -6473883476823589920
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31b86f9255b45ace
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 21:20:04 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Communicators on 6 and 2
Message-ID: <30500595@ux1.cso.uiuc.edu>
Date: 19 Jul 90 21:55:00 GMT
Lines: 28
Nf-ID: #R:<9007191619.AA24889@bunny.gte.co:-34:ux1.cso.uiuc.edu:30500595:000:1504
Nf-From: ux1.cso.uiuc.edu!phil   Jul 19 16:55:00 1990
Posted: Thu Jul 19 22:55:00 1990

> Why should we limit the power to 200 watts, lets remember that these people under the proposal are only different from the Tech by way of the code requirement. I believe they should have the same uhf/vhf privs as the current Tech class ham.

Actually there is no reason to limit the power if the written portion of the exam is the same. The CW test and maybe some HF questions would get HF privileges added.

I personally do believe granting 1500 watts and repeater control op privs to someone who passes a TRIVIAL written exam, which is my opinion of the current TECHNICIAN exam, is a BAD IDEA. It has not been so bad presently because the CW test exists and that tends to filter out a lot of the non-code operators. Removing the CW test lets more non-code operators in. It could DOUBLE the ham population. Considering that only a small portion of all hams now activate even 2 meters, the influx to VHF could be (and probably SHOULD be) large.

The present TECH written test is the MINIMUM to get access to major VHF privileges, which should include EVERYTHING above 50 Mhz. In my opinion the power limit should be 50 watts. AND there should be another class (no-code TECH?) granting full power and repeater control op privs in exchange for a more advanced rules and technical written exam (at least triple the number of questions).

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 5562972937311358236
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,de28f2054ceb3650
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 21:57:09 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: My Comments (official) Sent to the
Message-ID: <30500596@ux1.cso.uiuc.edu>
Date: 19 Jul 90 22:02:00 GMT
References: <13466@shlump.nac.dec.com>
Lines: 19
Nf-ID: #R:shlump.nac.dec.com:13466:ux1.cso.uiuc.edu:30500596:000:1111
Nf-From: ux1.cso.uiuc.edu!phil   Jul 19 17:02:00 1990
Posted: Thu Jul 19 23:02:00 1990

Communicators DEFINITELY need to be granted access to 6 meters and 2 meters.

To put the communicators ON THEIR OWN to develop bands like 33cm, 23cm and 13cm would be a DISASTER. It is the presently licensed and experienced hams, who have good technical and operating skills who should be the ones to move on up to the higher bands and develop them. So what if 2 meters becomes a zoo. If you don't like it, sell your 2m HT and buy a 23cm one and help do better what some are expecting Communicators to do instead.

However, I have listened to 2 meters in several large cities, and compared to the small community of 100,000 I live in, the PER REPEATER usage density in the big cities is LOWER than here. But we are getting along with what we have, and perhaps even better. The DX-ers and the packeteers and the ATV-ers are all get in the same 2 meter voice repeater and talk with each other and everyone gets along. Don't count the Communicators out.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -154954344939291837
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6131342faaaee59

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 21:59:07 PST
Path: gmdzi!unido!mcsun!uunet!husc6!yale!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio
Subject: Re: DSP Mania and books
Summary: REBUTTAL
Keywords: DSP Theory modems implementation
Message-ID: <3554@radio.oakhill.UUCP>
Date: 19 Jul 90 21:20:06 GMT
References: <748@idacrd.UUCP>
Organization: Motorola Inc. Austin, Tx
Lines: 78
Posted: Thu Jul 19 22:20:06 1990

In article <748@idacrd.UUCP>, mac@idacrd.UUCP (Robert McGwier) writes:
>
> RE: DSP Mania and books on the subject
>
> Howdy:
>
> Many people send me notes asking what DSP texts.............
>
> Theory and Practice of Modem Design by John A.C. Bingham, Wiley-Interscience
>
> and
>
> Digital Communication by Edward Lee and ??? Messerschmidt.
>
> (I can never remember Messerschmidt's first name or initial). I've forgotten
> the publisher and I left the book at home.
>
> Motorola has given away source for a V.32 trellis Viterbi decoder
> for the DSP56001. Not included is the rest of the modem which includes the
> difficult equalization, near-far echo cancellation, and data aided carrier
> recovery for the `non-round' constellation. The technical discussion given
> with the V.32 trellis decoder is appallingly bad. Don't hope to understand
> what is being done on the basis of what is in this booklet. Having written
> these decoders for a number of projects (always before in a high level
> language) I became so confused that I decided to start from scratch, but it
> is there for the taking. I am certain that I am being thick and just didn't
> like the exposition. Maybe for you it will all be crystal clear. It can be
> gotten from any Motorola Semiconductor division outlet from their tech manual/
> reference works library.
>
> I hope this helps some.
>
> Bob McGwier
> <N4HY>
> --

Here is a rebuttal from the author of the Viterbi Decoder code for the
Motorola DSP56000:

The Motorola applications booklet on Viterbi Decoding is entitled "Convolutional Encoding and Viterbi Decoding Using the DSP56001 with a V.32 modem Trellis Example." It is not surprising that the booklet does not cover Modem design, it doesn't even hint that it might.

Typically customers want highly efficient code because they are using the DSP56000 as a complete receiver and transmitter where the Viterbi decoding is only using a portion of the processor.

Because the DSP56000 is a dual Harvard architecture, the standard canned approach to the decoding is so inefficient as to make the DSP56000 impossible of doing the complete receiver/transmitter design.

The applications note is an efficient implementation giving hints and suggestions for implementing any trellis on the DSP56000. The material is difficult to present and to read for this reason.   Admittedly, one must be willing to invest some time in reading the implementation given in the application note to be able to understand it. Many customers just use the free DSP code provided by Motorola, because they lack the time or resources to spend the time it takes to understand what is happening with the code.

The author is available to answer questions on the applications note or any other Motorola DSP questions Bob or anyone else might have.

I wonder why Bob did not mention that no other DSP manufacturer has a free Viterbi decoder? And finally, this same implementation has been presented at the International Mobile Satellite Conference this year, and was well received.

Last, the Motorola DSP56001 is, to date, the only single chip solution for V.32 Modems. Papers and information on this are available from Motorola DSP Operations.

p.s.

BTW it's Edward A. and David G.

---------------------------end of rebuttal------------------------

posted by
Charlie Thompson WB4HVD
Motorola DSP Operation
Austin, TX

From -8831656043616856984
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe1482054b817262,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 22:04:01 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: Cellular telephone as emergency service?
Message-ID: <9007192350.AA07535@ucsd.edu>
Date: 19 Jul 90 21:29:09 GMT

Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Thu Jul 19 22:29:09 1990

Do cellular nodes have emergency power? If so, for how long?
Obviously some are at CO's and will be up for a long time, but what
about my neighborhood site? Any "standard" answers?
thanx, doug

From 4647785118866596767
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c9a93a96d4eddd4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 22:18:23 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!ucbvax!TOPS20.RADC.AF.MIL!DEFRANCO
From: DEFRANCO@TOPS20.RADC.AF.MIL (Carl DeFranco)
Newsgroups: rec.ham-radio
Subject: Communicator Class Examinations
Message-ID: <12606998453.14.DEFRANCO@TOPS20.RADC.AF.MIL>
Date: 19 Jul 90 21:10:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 40
Posted: Thu Jul 19 22:10:50 1990

As one who finally made the decision to just learn the code rather than wait for some action by the FCC (which BTW I learned in about 14 days to the 5 WPM level), I think Ken Hendrickson is goning a little overboard on new testing requirements. What he describes is an examination for a computer scientist, or EE who specialized in computer systems. Only the last two categories relate directly to communications as such. I favor a written exam that demonstrates that the licensee has a sufficient knowledge and understanding of ham radio and radio operation required to operate within those boundaries.

What appears to be happening is that the no-code proponents, sensing the ultimate futility of total opposition, now wish to place such an extreme testing burden on Communicator class entrants that very few people will take or pass the exam. The end result of this argument is still the same: exclude all but the most technically educated unless you learn the code.

Let's enforce a uniform standard. If you propose a tough new exam with the technical level described, then how about we reexamine ALL current license holders as well - what's good for the goose should be good for the gander. You might find someone who can pass the stiff exam looking down their nose at you as technically ignorant, otherwise.

Look, I learned the code so I could get a license, period. Now I find that supporting a wife, two kids, a dog, and a house means I can't get on the air at my own QTH anywhere in the near future, unless I build my own. You are missing the best filter there is: money. I'm personally convinced that anyone who can hear can learn code, given the attitude that it can be learned. I'm willing to wager (but not much 8-)) that many people waiting for a no-code class still won't get their ticket because studying for the exam will be too much trouble.

So, let's not get carried away with Communicator exam difficulty.

Carl DeFranco
KB2JLY

```
From 7506968334596089309
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ceed5416031d4b87,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9532,ceed5416031d4b87,start
X-Google-Attributes: gidf9532,public
X-Google-Thread: f76e2,ceed5416031d4b87,start
X-Google-Attributes: gidf76e2,public
X-Google-Thread: 109c0d,ceed5416031d4b87,start
X-Google-Attributes: gid109c0d,public
X-Google-ArrivalTime: 1990-07-19 23:51:21 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!joehol
From: joehol@microsoft.UUCP (Joseph HOLMAN)
Newsgroups: rec.ham-radio,rec.ham-radio.swap,misc.forsale,misc.wanted
Subject: WANTED KENPRO 5400 rotor satellite
Keywords: WANTED rotor satellites
Message-ID: <55951@microsoft.UUCP>
Date: 19 Jul 90 18:00:41 GMT
Organization: Microsoft Corp., Redmond WA
Lines: 12
Xref: gmdzi rec.ham-radio:13031 rec.ham-radio.swap:515 misc.forsale:1793
misc.wanted:4927
Posted: Thu Jul 19 19:00:41 1990
```

i want a KENPRO 5400 Rotor for satellite use, in good
condition.

joe holman, ka7ldn

uw-beaver!microsoft!joehol
joehol@microsoft.uucp

206-882-8921

From -8453413561821844265
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fd8042ea6056bd4a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 00:43:30 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Standard phonetic alphabet
Message-ID: <9007200151.AA02622@tilde>
Date: 20 Jul 90 01:51:01 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Fri Jul 20 02:51:01 1990

Working CW, you don't have to worry about phonetic alphabets. MOrse is the same the world over!

73,
Dube Todd

From 3807021187344411780
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 00:44:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!aplcen!uunet!zephyr.ens.tek.com!tektronix!sequent!mntgfx!hanko
From: hanko@mentor.com (Hank Oredson @ APD x1325)
Newsgroups: rec.ham-radio
Subject: Airwave Wars
Message-ID: <1990Jul19.174036.6537@mentor.com>
Date: 19 Jul 90 17:40:36 GMT
Organization: engr
Lines: 8
Posted: Thu Jul 19 18:40:36 1990

I can second Phil Karn's observation on the article
in the latest issue of Business Week.

If you don't have access to Business Weeke, it is worth a trip
to your local library just to read this article.

... Hank - w0rli

```
From 3868998099853567478
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1e64fe7313d2cf1f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 01:01:11 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-
state.edu!wuarchive!udel!burdvax!techpubs
From: techpubs@PRC.Unisys.COM (Technical Pub. Vince Short)
Newsgroups: rec.ham-radio
Subject: Re: Leap second
Message-ID: <14482@burdvax.PRC.Unisys.COM>
Date: 19 Jul 90 21:59:49 GMT
References: <9007171447.AA23953@ucsd.edu> <25997@usc.edu>
Organization: Unisys Corporation, Paoli Research Center; Paoli, PA
Lines: 25
Posted: Thu Jul 19 22:59:49 1990

>In article <9007171447.AA23953@ucsd.edu> kak@CYGX3.USNO.NAVY.MIL writes:
>>                 1990 December 31,   23h 59m 59s
>>                 1990 December 31,   23h 59m 60s
>>                 1991 January   1,    0h  0m  0s
>
>This means that many more people will know about it, because the news
>media will be sure to mention it during their new year's eve party
>programs.
>
Speaking of which, did anyone notice that for last New Year's broadcast
from Times Square, both the network clock and the famous NYC time ball
(well, apple I guess!) were both wrong trying to allow for the leap
second. If my memory serves me correctly, one of the two delayed for
one second, the other delayed for two seconds, when in actuality, the
1 second leap time had already been added at 1989 Dec 31, 23h 59m 60s UT,
which happened 5 hours earlier! Perhaps someone from both places should
have checked with WWV (which of course showed the correct time, with the
one second added at midnight 5 hours earlier than EST.) and adjusted
accordingly. In any event, both the network clock and the ball showed
New Years occurring at the wrong instant.

Or, to play devils advocate, was I simply seeing propagation delay in network
feed to the Phily station whos broadcast I watched? Doesn't up and down time
to a geosynchronous satellite take about a quarter of a second? Anyone else
out there also interested in such technical trivia?


From 8491397122063698629
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f8192d9efc124574,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 01:55:48 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!tut.cis.ohio-state.edu!
uoft02.utoledo.edu!grx0644
From: grx0644@uoft02.utoledo.edu
Newsgroups: rec.ham-radio
```

Subject: Help with mods and code.
Message-ID: <1990Jul20.001951.1172@uoft02.utoledo.edu>
Date: 20 Jul 90 05:19:51 GMT
Lines: 26
Posted: Fri Jul 20 06:19:51 1990

I am requesting from anyone who has the mods book for the RS Pro 2005 scanner some information. I have ordered my book from CRB research books, and I am just too impatient to wait for it. Can anyone can tell me which diode to cut to access the full 800MHz band. I own the servic manual for the Pro2005, which includes the schamtics. Also, if anyone has any other 'easy' mods, feel free to send them to me.

Also I am going to take classes from a local ham group so I may earn my novice license. With all the talk about code and ways to learn it, I am a bit confused as to which is the best way. CAn anyone provide an outline for learning the code? I wrote a program for the C128 computers that will translate any text into morse code (which is how I entend to practice until I start this class in the fall.) I am eager in starting my education of code, that I may EARN my first ticket.

Thanks for your help in advanced.
--
```
+------------------------------+---------------------------------------------+
| Tony Schliesser:             | This Space for Rent
|  GRX0644 @ UOFT02.BITNET     |
|  GRX0644 @ UOFT02.UTOLEDO.EDU|
|  FAC2966 @ UOFT01.BITNET     |
|  FAC2966 @ UOFT01.UTOLEDO.EDU|
|                              |
+------------------------------+---------------------------------------------+
```

From 3199896837467153681
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76a9fe23a648e918
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,76a9fe23a648e918
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,76a9fe23a648e918
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-07-20 03:11:44 PST
Path: gmdzi!unido!mcsun!uunet!ncrlnk!ncrwic!encad!entec!kthompso
From: kthompso@entec.Wichita.NCR.COM (Ken Thompson)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.radio.shortwave
Subject: Re: 2 meters (144Mhz band) and wet trees
Keywords: attenuation?
Message-ID: <600@entec.Wichita.NCR.COM>
Date: 19 Jul 90 15:46:48 GMT
References: <103744@philabs.Philips.Com>
Reply-To: kthompso@entec.UUCP (Ken Thompson)
Organization: NCR Corporation, Wichita, KS

Lines: 7
Xref: gmdzi rec.ham-radio:13037 rec.ham-radio.packet:2561 rec.radio.shortwave:1647
Posted: Thu Jul 19 16:46:48 1990

It does not rain in summer here.

--
Ken Thompson   N0ITL
NCR Corp. 3718 N. Rock Road
Wichita,Ks. 67226 (316)636-8783
Ken.Thompson@wichita.ncr.com

From 5610495232821539305
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,63de5d8539a98bb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 03:40:14 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Reliability of Rigs left on
Message-ID: <257@ultrix.uhasun.hartford.edu>
Date: 20 Jul 90 07:54:10 GMT
References: <12606912053.10.POPYACK@TOPS20.RADC.AF.MIL>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 15
Posted: Fri Jul 20 08:54:10 1990

In article <12606912053.10.POPYACK@TOPS20.RADC.AF.MIL>, POPYACK@TOPS20.RADC.AF.MIL writes:
>
> I don't think you will have a problem leaving your rig on all the time (unless
> it is a heathkit)....
> 73 WF2V Len
> -------

I dunno... the W1AW packet BBS ran for years using a Heath HW-2036 with
nary a hiccup. The only reason it was retired, I think, is because folks
were tired of listening to the relay clack.

--
Jon Bloom, KE3Z | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu |
Snail: 225 Main St., Newington, CT 06111 | "I have no opinions."

From -4605805084498172184
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1b78d2f3df5c36cd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 04:47:21 PST

Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!sdd.hp.com!elroy.jpl.nasa.gov!jarthur!petunia!ucselx!
crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley)
Newsgroups: rec.ham-radio
Subject: Re: Communicator Class\4%Dg P5D#
Message-ID: <3620@crash.cts.com>
Date: 20 Jul 90 07:09:18 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 11
Posted: Fri Jul 20 08:09:18 1990

<7H@p< `F@G
2l|)S8$v!AL2hE 1E^H9P $8&L@rKh K}5|K7SdLHE|I1ASgRx,&~\J<2URJ4LApPP5cp,Bf<(/\L
\
FR[|RQ]HT
2CX

****
Mike Shirley, WB6WUI   INET: mikey@pnet03.cts.com
PO Box 460   ARPA: crash!pnet03!mikey@nosc.mil
Lakeside, CA 92040-0460   UUCP: {hplabs!hp-sdd nosc}!crash!pnet03!mikey
****

From 8361194020004748320
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f8192d9efc124574
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 06:21:44 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!aplcen!haven!decuac!shlump.nac.dec.com!ryn.esg.dec.com!
ultnix!taber
From: taber@ultnix.enet.dec.com (Patrick Taber)
Newsgroups: rec.ham-radio
Subject: Re: Help with mods and code.
Message-ID: <2251@ryn.esg.dec.com>
Date: 20 Jul 90 13:21:44 GMT
References: <1990Jul20.001951.1172@uoft02.utoledo.edu>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick Taber)
Organization: Murder Inc.
Lines: 46
Posted: Fri Jul 20 14:21:44 1990

> Also I am going to take classes from a local ham group so I may earn
my novice
> license. With all the talk about code and ways to learn it, I am a bit
> confused as to which is the best way. CAn anyone provide an outline for
> learning the code?

The best way is to sit down and do it. Trying to find the "best" method can easily take twice the time that it would take to learn using *any* method. You don't even have to wait for the Fall -- just go to Radio Shack and get a copy of the Novice study program, study the way the tell you to and in three week's time you'll be ready. No muss, no fuss, two General Class hams can give you the exam and you're licensed.

That said, there are some things that will seriously impede your learning: using any of the methods that try to teach cute phrases that "sound" like the dits and dahs. It's been pretty well established that you'll cripple yourself at higher speeds.
If you use your computer program, don't study using text that you have put into the computer yourself -- you'll already know what's coming and you'll only fool yourself into thinking you know the code. A good approach would be to make a little program that randomly generates call signs, Q-signals, signal reports and so on. It's great to be able to copy "Xanadu" in morse code, but that's not what's going to be on the exam. Listening to code on the air is good for practice, but it's only good if you're listening to machine-generated code. While it's important to get practice with hand-sent code to be effective in CW operations, that's not the same as getting the ticket.   Licensing is gamesmanship, operating comes later.

>>>==>PStJTT
Patrick St. Joseph Teahan Taber

My employer doesn't care what I think. I, in turn, don't care what you think. You probably don't care what my empolyer thinks. Thus is life a circle.

From 2419702228887362265
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5c82c07be4ca81c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 09:17:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Communicator Frequencies
Message-ID: <9007201131.AA14956@cmr.ncsl.nist.gov>
Date: 20 Jul 90 11:31:07 GMT

Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 50
Posted: Fri Jul 20 12:31:07 1990

Phil Karn said:

> Those who support no-code privileges only above 220 MHz sound a lot like
> people who say they're all in favor of equal housing rights, as long
> as nobody moves into THEIR neighborhood...

I replied:
... or maybe they see Communicators as a way to get occupancy on the higher bands before we lose them all. We don't need 99% of all VHF operators concentrated on 2-m FM.
"We gave you the no-code Communicator class because you said it would bring in people who would populate the microwave bands. Now N years have passed and all the Communicators are on 2-m FM, and the 220-and-up ham bands are still as empty as ever."
What would your answer be, Phil?

Phil's answer is:

> "It's obvious that it's time for all of us (Communicator and otherwise)
> to move on up to the higher bands to relieve the congestion on 2m. And
> perhaps we might even try some new ways of allocating spectrum on 2m so
> we can relieve the congestion there."

> As the old saying goes, necessity is the mother of invention. But I'd
> rather the necessity come in the form of new amateurs (i.e., Communicators)
> than because most of our bands were no longer assigned to the amateur
> service. If you think 2m is crowded now, try scanning the land mobile
> bands.

I now reply:
I don't think Phil's reply would help us ward off the land mobile people who would be pointing out 220-and-up ham frequencies remaining unused years AFTER the existence of a Communicator license. Phil, do you feel that we need more people on two to save it? I see letting Communicators on two as directly leading to the LOSS of many of our higher bands.

Also, pious statements like "it's time for all of us ... to move up to the higher bands ...." haven't proven effective for the last 30 years. I propose that the best "new way of allocating spectrum on 2m so we can relieve the congestion" is to limit Communicators to 220-and-up bands (where gear is presently available and not very expensive). There are enough "real" hams on 440 that the newcomers will not lack for contact with more experienced hams. Novices have had phone privileges on 220 for some years, with little effect on its occupancy. Why? Because Novices also have phone privileges on a lower band (10m). It's been many years since my last regular operation on 2m, so I'm not trying to keep "them" out of "my" band.

* * * * *

I have this nightmare that if we let Communicators on two, we are sealing the doom of many of the higher ham bands.

* * * * *

73, Bob W3OTC

From 7151826090014732481
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,21ab00807d14cfe9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 09:22:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!hpcuhb!hpindda!genem
From: genem@hpindda.HP.COM (Gene Marshall)
Newsgroups: rec.ham-radio
Subject: Alinco 110 mod for Cellular
Message-ID: <5120011@hpindda.HP.COM>
Date: 19 Jul 90 22:20:52 GMT
Organization: HP Information Networks, Cupertino, CA
Lines: 45
Posted: Thu Jul 19 23:20:52 1990

Modifications to the Alinco DR-110 2m mobile:

After installing the out-of-band receive mod on my Alinco 110, I accidentally pressed a couple of keys and found I could receive from:

130 -> 170 MHz + Xmit of this range
340 -> 380 MHz - no Xmit
870 -> 890 MHz - no Xmit

To modify the Alinco to receive out of band, perform the following steps:

Remove the top cover by removing the obvious screws. Be careful, as the speaker may stick to the cushion on the top cover. If it does, separate the speaker from the top panel and replace it back in its receptacle within the rig.

Positioned at the front of the rig, look near the tuning knob and you will see a little yellow jumper coming from behind the front panel, looping around and returning to the front panel. This jumper looks like it should have a tag on it saying 'cut me for more features'. Go ahead and take the wire cutters to this jumper.

Replace the top cover on the rig, get everything set back up and turn on the rig.

The next step is to reset the radio. If you don't remember its current programming, you may want to write it down at this time.

When ready to reset the rig, hold down the F key and the VFO/M
key at the same time, turn the POWER off, back on, and then let
go of the keys. The rig is reset and will display 144.00.

You will now be able to tune around, and transmit, from 130.00 ->
169.99 MHz.

To move to the next 'band segment', press F and then the MHZ key.
The display will go the 340.00 MHz segment. F+MHZ again will get
you cellular, and F+MHZ a third time will return you to the 2
meter segment. Happy monitoring...

Gene - AA6IY @ N6LDL

From -6830368048523154056
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,715d6eeafa9a84ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 09:25:51 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!texbell!nuchat!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Communicator License Frequencies
Message-ID: <QXK&_7#@splut.conmicro.com>
Date: 20 Jul 90 11:54:37 GMT
References: <9007190347.AA12165@cmr.ncsl.nist.gov>
<1990Jul19.050427.12730@bellcore-2.bellcore.com>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 21
Posted: Fri Jul 20 12:54:37 1990

In article <1990Jul19.050427.12730@bellcore-2.bellcore.com>
karn@thumper.bellcore.com (Phil R. Karn) writes:
>"It's obvious that it's time for all of us (Communicator and otherwise)
>to move on up to the higher bands to relieve the congestion on 2m.

Yea!
This sentence is absolutely right.
So far, so good, but...

>And perhaps we might even try some new ways of allocating spectrum on 2m so
>we can relieve the congestion there."

Boo!
You still haven't come up with a solution that solves both the technical
and political problems involved. Any new way of allocating spectrum that
won't be accepted by the ham population won't work.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can

```
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
"It's a hardware bug!" "It's a      +--------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_
```

From 5258060698668874612
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,150fde595ebad266,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 09:29:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!TOPS20.RADC.AF.MIL!POPYACK
From: POPYACK@TOPS20.RADC.AF.MIL
Newsgroups: rec.ham-radio
Subject: ATV BALLOON LAUNCH. W H E N ? ? ? ? EVER?
Message-ID: <12607171531.11.POPYACK@TOPS20.RADC.AF.MIL>
Date: 20 Jul 90 13:01:35 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Fri Jul 20 14:01:35 1990

There I was tuned into 7155 Khz and something about a baloon launch (I was late in turning on the rig, 9:05 AM). Something is strange -- a bunch of 4 prefix calls, Hmmmmm. I better get the TV all set up fast! So there I am scrambling to set-up the TV on channel 60, throw up an antenna and catch the NH ATV Baloon launch (which had been delayed every weekend). Then I hear a bunch of Florida stations "Gee Awww WOOOW I got the signal!!!!" WELL? WHY AM I NOT RECEIVING IT? Then Net control says this is the Florida Balloon launch. WHERE IS NH BALLOON LAUNCH AND WHY ARE YOU FOLKS ON THIS FREQUENCY???? Turns out the New Hampsire Launch is up 25 KHZ and had been cancelled.

HOW ABOUT SOME COORDNATION ON THESE THINGS????

WHEN is the ATV Balloon going to be launched?

Thank You. Ramblings of an ATV BALLOON LISTNER who has NEVER heard one yet.

From -2944578959779192557
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,de48c19c04c35e17,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 09:30:49 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!select.enet.dec.com!magid
From: magid@select.enet.dec.com (Joel Magid...)
Newsgroups: rec.ham-radio
Subject: ARRL Letter
Message-ID: <13667@shlump.nac.dec.com>
Date: 20 Jul 90 12:21:15 GMT

Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 298
Posted: Fri Jul 20 13:21:15 1990

ARRL LETTER Volume 9, Number 13, June 29, 1990

NEW NOVICE EXAM FOR SOUTH AFRICA TO INCLUDE CODE

South Africa soon will institute a Novice license, following closely on the heels of a similar new license in Great Britain. Details of the new Novice, or Class B, license, were published in the June 22 edition of the Government Gazette.

Applicants must be at least 12 years of age, and will be required to pass a 5 wpm Morse code exam administered by the South African Radio League. After passing the CW test, candidates will take a written exam in operating procedure and "knowledge of the ITU phonetic alphabet."

According to Hans van de Groenendaal, ZS6AKV, president of AMSAT S.A., the SARL has been working behind the scenes for several years and "has based their proposal to the South African authorities on the proposed UK Novice license."

"The introduction of the Novice license," says van de Groenendaal, "will stimulate the growth of Amateur Radio in South Africa and will serve as a model for other countries in Southern Africa. Industry sees the introduction as a move to involve more young people in communications and electronics."

The new Novices, who will receive ZU1 call signs, will be allowed 5 watts DC input (or 20 watts PEP output), and will be able to use phone, CW and data on 160 meters; CW and data on 80 and 15 meters; and CW, data, and phone on 10 meters and 70 cm.

SARL is preparing to begin giving code tests, and the first technical examinations will be held in November.

NEW USER FEES TO SUPPORT DXCC

The ARRL DX Century Club will institute a new fee schedule Oct. 1. DXCC, while affecting a relatively small percentage of its members, is a substantial financial burden on the League. User fees, approved by the League's board of directors, will go toward better service (quicker turnaround time).

The fee structure is intended to encourage participants to send less frequent individual submissions to DXCC. Here is the basic outline:

1) After Oct. 1, every first-time applicant for DXCC will be charged $10.00, in addition to the usual charge for return postage. DXCC members as of Oct. 1, 1990 are exempt from this registration fee.

2) ARRL and CRRL members will be allowed free of charge one submission per calendar year; this annual submission may include any number of QSLs, any number of DXCC awards, and any

combination of new and endorsement applications. It does not include a person's all-time first submission.

3) Non-League members outside the US and Canada will be charged $10.00 for their first DXCC submission of any kind each calendar year.

4) US and Canadian DXCC participants who submit more than once in a calendar year will be charged $10.00 for each submission after the first one. Foreign non-members will be charged $20.00 for their additional submissions.

NEW TEST PROCEDURES FOR DISABLED

People suffering certain disabilities will get a break on Morse code requirements, FCC announced June 15 at the sixth annual meeting of Volunteer Examiner Coordinators.

The new procedures will allow volunteer examiners more flexibility in administering exams to handicapped or disabled people.

Given a physician's statement attesting to the handicap or disability, examiners may be able to substitute a Morse sending test for one in receiving, to allow spoken instead of written copy, and to use a Morse code recognition exam. More details on this will be forthcoming.

On other matters, the VEC Question Pool Committee, chaired by Ray Adams, N4BAQ, recommended continuation of all current questions, pending outcome of proposals to change the licensing structure (namely, the FCC's Communicator Class proposal).

FCC personnel listened to comments on the proposed Communicator Class license from the Communicator Recommendations Committee, as well as a summary of the League's "Strawman" position (see July *QST*, p 54).

The CRC also recommended that the 6- and 2-meter bands be included as privileges for the Communicator since "main-streaming" these new amateurs is one of the many goals of the new proposed license class. Also recommended was that all Novice examining be brought under the auspices of the VEC program.

The subject of fraudulent applications was discussed with no consensus reached on the extent of the problem (if indeed a problem exists).

Tom Ingram, K4OOV, of the Central Alabama VEC, was voted Chairman of the Conference for the next year.

The meeting, held in Gettysburg, PA, was attended by 12 of the 18 VECs, seven FCC staff members, Harry Dannals, W2HD (representing QCWA), two ARRL directors (W3ABC and N4MM), Evelyn Garrison, WS7A (of ICOM, representing manufacturers), and observers from the Military Affiliate Radio System (MARS).

PROGRESS FOR INJURED SOVIET HAM

A 25-year-old Soviet amateur is making progress following injuries sustained in an automobile accident, thanks to the assistance of radio amateurs both here and abroad.

As reported last issue, Oleg Porugov, UA4FAY, was in a coma following the May 25 accident, and it has not been possible to move him from a hospital in Ryazan to better facilities. Through the efforts of several American hams, three shipments of supplies have been sent to Ryazan. An additional shipment of intravenous feeding solution has been sent by West German amateurs.

Medical consultation between Dr. Joseph Izzo, of Foster City, CA, Dr. Lawrence M. Probes, ND8S, and Dr. Charles L. Starke, NX2T, and Soviet physicians continues by both Amateur Radio and Telex messages.

A month after the accident, Porugov's condition continues to improve and the doctors are guardedly optimistic. Porugov is able to see and recognize friends, his partial paralysis appears to be abating, and he now is breathing entirely on his own.

RADIOSPORT EVENT RECEIVES GRANT

The World Radiosport Team Championship (see May *QST*, p 48) has received a check for more than seven thousand dollars from the ARRL Mullan Fund, the balance of a grant from the T. Mullan Foundation established to enhance goodwill between the peoples of the US and the Soviet Union.

Final arrangements for operating permission for visiting amateurs from the Soviet Union and several eastern European countries are being hammered out at this time.

Amateur Radio press kits for the WRTC, as announced in May *QST*, are ready for mailing; send an SASE for yours.

TEXAS HAMS WIN TOWER RIGHTS

Amateurs in Bedford, TX won a major tower victory earlier this month. On June 12 the city council of this Dallas-Ft. Worth suburb unanimously approved a 65-foot tower ordinance. A dispute which had begun in October, 1989 over the 60-foot tower of Mike Simpson, WB5SUF, had escalated to include virtually every amateur in the city.

The Simpson case, according to ARRL volunteer counsel Lanny Priddy, K5LP, was not a PRB-1 case, because it concerned plat and deed restrictions, not a local ordinance. Priddy did, however, cite PRB-1 in his arguments.

Ironically, Simpson praised the homeowners who had complained to the city. "They allowed the city to clear up the entire antenna question," Simpson said, because "before the ordinance hams had been given a plethora of conflicting information at city hall."

U MEMBERS TO VOTE ON BURMA

Member societies of the International Amateur Radio Union are being asked to vote on the possible termination of membership of the Burma Amateur Radio Transmitting Society (BARTS). IARU Calendar 149, sent to all IARU societies June 12, notes that

Proposal 195 was directed by the IARU Administrative Council at its April meeting in Spain.

Amateur Radio was officially banned by the Burmese government on January 10, 1964. It now is believed that "there is no one presently alive and living in Burma who has any connection with BARTS." The last communication from BARTS to the IARU occurred in 1976, from Zaw Yee, ex-XZ2SY, indicating that the society was inactive. Zaw Yee died the following year.

Votes are due no later than Nov. 12, 1990.

DISASTER RESPONSE DISCUSSED

A meeting of League and emergency response volunteers met June 12 sought to cement emergency planning through the National Disaster Medical Service. The Service, formed in 1983, would be called into operation in the event of a catastrophe beyond even the ability of an entire state or region to handle, only upon a state's request.

Communications still is a sticking point of the plan. While the National Communications System (NCS) is the major player, holding government communications assets such as leased and government-owned telephone lines, microwave systems, satellites and HF radios, the government agencies using these services necessarily will put their own needs first. It is impossible to determine in advance how much excess capacity will be available for medical evacuation and related purposes.

The lead agency for communications is the Federal Emergency Management Agency. FEMA's main mission is to coordinate federal response to disasters. Its plans for handling NDMS messages are unclear.

While all NDMS members at the meeting agreed that amateurs will be a part of any response to a major disaster, the League has expressed its concern that amateurs will be thrust into a de facto *primary* role. Since amateurs would already have been mobilized at the local level, their numbers and resources would likely be strained by a "national call-up."

Further discussion addressed amateurs' assignments and roles, as well as the establishment of message formats and protocols. A drill planned for October likely will include the ARRL in some yet-to-be-determined capacity.

Ultimately, the ARRL Board of Directors will decide whether to approve a formal Memorandum of Understanding between the NDMS and the ARRL.

Further talks are scheduled for July 12 in Washington.

FIELD DAY

Conditions were--to put it gently--rotten. But they tested our mettle as communicators, and that's what ARRL Field Day is all about.

Novices in particular, lulled by superb 10 meter conditions the past couple of years, may have been shocked by the white noise on that band over the June 23-24 weekend. They were treated to a taste of what's to come when the sun quiets down in another year or two.

Alternate modes of communication, particularly VHF packet and satellites, were kept especially busy this FD. Messages appeared on various packet clusters from FD stations in the field, and activity on AMSAT as well as Soviet and Japanese satellites was healthier than ever.

W1AW made a couple thousand FD contacts, in the process shaking down both new aerials and equipment at the visitors' operating positions. Six operators used computers for logging at four operating positions, running prototype FD software developed by ARRL contest assistant Mark Burke, KA1MIS.

BRIEFS

⋆ Corrections: Gay Milius, W4UG, who died June 6, was not ARRL Hudson Division Vice Director in 1951 and 1952.

The name of Allen Singer, N2KW, was misspelled in Volume 9, Number 12.

⋆ FCC recently adopted an order implementing the license fees for most radio services other than amateur which had been established by Congress in the Budget Reconciliation Act of 1989. An unclearly drafted item in that order relating to duplicate licenses has been misinterpreted, leading many amateurs to believe that a 35-dollar fee is required for duplicate amateur licenses. This is not true--FCC collects no fees for any amateur license transactions.

⋆ Congratulations to Leon A. Faber, W7EH, of Phoenix, and A.G. Wentzel, W2HX, of Trenton, NJ, both of whom recently marked seventy years as League members.

⋆ The new target launch date for Shuttle STS-35 (and SAREX) is August 12 at 0506 UTC.

⋆ Amateurs needing Kenwood parts now can phone toll free 800-637-0388 to place orders at the Kenwood USA facility in Long Beach, CA.

⋆ On June 11 the Shelby (TN) County Commission unanimously approved an amendment allowing Amateur Radio towers up to a height of 65 ft., according to Atty. Albert C. Burnham, W4RIM. Previously, the Memphis City Council and the Land Use Control Board had approved the amendment. Completion of the process now has raised the allowable height from 35 to 65 feet.

⋆ Nathan Gidron, general manager of Motorola Israel, has announced Motorola's "adoption" of the Israel Amateur Radio Club. Operating for years without a home, the club began a fund drive a few years ago that fell short. Thus, Motorola will be allocating a room of 40 square meters for use as the offices of IARC, which is Israel's national society. (From ⋆HaGal⋆, 4X1MK and 4X1AT, editors).

* Satellite enthusiasts and AMSAT members are advised that the former *Amateur Satellite Report*, now called *Oscar Satellite Report*, no longer is included in AMSAT membership. As of April 1, *OSR* is received by subscription from R. Myers Communications, PO Box 175, Litchfield CT 06759 ($26 per year for 24 issues).

AMSAT has, according to Myers (who is W1XT), "provided encouragement and support" during the changeover. Myers has been editor of the publication since its inception in 1981.

* Ham club officers will be interested in the latest (1990-91) edition of the *ARRL Club President's Workbook*. Complimentary copies already have been sent to ARRL officials and ARRL affiliated club presidents. Additional copies are available from HQ for $7.50, including shipping and handling.

* Is there anyone who doesn't love museums? We can heartily recommend the Antique Wireless Association's museum, located in the Finger Lakes region of western New York, near Canandaigua. The whole family can enjoy this trip back in time, as the AWA Museum features not only Amateur Radio but just about every kind of wireless, as well. Next door is the East Bloomfield Historical Society with exhibits of interest to everyone.

AWA Museum hours are 2-5 pm Sunday, 2-4 pm Saturday, and 7-9 pm Wednesday, through Oct. 31. Group tours are available by appointment. Bruce Kelley, W2ICE, is curator. AWA Museum, Main Street, Holcomb NY 14469. Phone 716-657-6260.

* First call for papers for the AMSAT-NA Space Symposium, to be held Oct. 10-12 in Houston. The symposium will feature talks on the latest technology in both the manned and unmanned aspects of the Amateur Radio space program. Talks on MICROSAT utilization are particularly wanted. Send summaries of proposed papers to AMSAT-NA, 850 Sligo Ave., Suite #600, Silver Spring MD 20910 by July 15. Those selected for presentation will be notified by Aug. 1.

From 5264238811483257650
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1f078f230515cbe4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 10:05:06 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!ucsd!sdd.hp.com!zaphod.mps.ohio-state.edu!sunybcs!rutgers!att!cbnewsh!wa2sff
From: wa2sff@cbnewsh.att.com (joseph.e.wilkes)
Newsgroups: rec.ham-radio
Subject: Six Meter Amplifiers
Message-ID: <1990Jul20.124120.13464@cbnewsh.att.com>
Date: 20 Jul 90 12:41:20 GMT
Organization: AT&T Bell Laboratories

Lines: 16
Posted: Fri Jul 20 13:41:20 1990

I just purchased a Yaesu FT690 six meter all mode radio.
It has 2.5 watts output and I would like to amplify is to at least 50 W.

Does any one know who makes 6 meter amplifiers and where they can be purchased.

I also might build one and have found an article in an old issue of QST. I would like to here from someone who has built a 6 meter amplifier.

Any hints would be helpful.

Joe Wilkes
att!hound!wa2sff
201-949-1601 work
201-741-2090 home

From 6996476916575736442
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31b86f9255b45ace
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 10:46:17 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!GTE.COM!rossjr%gtec3.dnet
From: rossjr%gtec3.dnet@GTE.COM (Charlie Ross, Jr.)
Newsgroups: rec.ham-radio
Subject: Communicators on 6 and 2
Message-ID: <9007201543.AA04561@bunny.gte.com>
Date: 20 Jul 90 15:43:24 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 53
Posted: Fri Jul 20 16:43:24 1990

Since my posting on "Communicators on 6 and 2" a couple of days back, there have been several interesting replies. A couple of points I'd like to address:

--Several people have questioned the 200W PEP power limit. Now that I'm pressed to defend it, I realize that, in all probability, I can't. Chalk it up to an emotional reaction to something I simply didn't examine too closely when I wrote my comments. You could make a case that Communicator is entry-level, like the Novice, so use the power as an incentive to upgrade. But, that's pretty weak. Giving Communicators full power privileges wouldn't cause me any heartburn.

--It seems that the "CW will filter out undesirables" argument is still around after all these years. Permit me to quote my comments again:

> "In the 1983 proposed rulemaking on this same subject, I filed comments

against the creation a code-free license. My experience in the intervening seven years has indicated that: (a) In spite of the fact that five words-per-minute (WPM) code is easy to learn, many otherwise-interested newcomers refuse to bother. (b) The morse code does not provide a "screening mechanism" to maintain the integrity of the service. Although it does "screen out" certain people, there appears to be no correlation between willingness to learn morse code and the caliber of operator. (This has come as a surprise. The "screening" concept was a key element of my 1983 comments.) (c) The morse code is becoming less important as a communications mode. Although morse activity remains high (and I use it myself), future growth in the Amateur Service will clearly be in computerized, digital modes. Indeed, fully half of my NC1N operation involves TCP/IP-networked packet radio. (d)JJThe overwhelming majority of state-of-the art amateur experimentation centers on two areas: digital networking and amateur satellites. Knowledge of the morse code is essentially irrelevant to such experimentation."

--See the above paragraph regarding the "CW is easy" argument. Of course, CW is easy. All of us who are currently licensed hams know that. But many computer users don't care: they've got better things to do. *Relevance*, not ease, is the criterion. Easy or not, they want to spend their time on something the perceive to be valuable.

--Finally, what will Communicators do for the service? Will many people be interested? Well, here in Boston, we have an Amateur Radio special interest group in the Boston Computer Society (30,000 members). The percentage of BCS members who belong to our SIG is more than triple the percentage of hams in the general population. Many have not yet been licensed. This is a good group of people, by and large, and it includes a lot of software types (which we NEED in ham radio). The fact that we'll have to "sell" them on the code from inside the hobby rather than outside doesn't bother me. Nor do I doubt that, once exposed to mainstream experiences like 2m FM, most would want to upgrade. Let's drop the idea that people who won't take the code test are riff-raff. All the flames notwithstanding, it simply isn't true.

Charlie Ross
rossjr%godot@gte.com
charlie@nc1n.ampr.org
NC1N @ WA1PHY.MA

From -6150290894295205779
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 10:56:03 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Airwave Wars
Message-ID: <7880192@hpfcdc.HP.COM>
Date: 20 Jul 90 17:56:03 GMT
References: <1990Jul18.215248.11497@bellcore-2.bellcore.com>

Organization: HP Ft. Collins, Co.
Lines: 7
Posted: Fri Jul 20 18:56:03 1990

> ...California Highway Patrol logged 200,000 calls to its 911 emergency
> number from drivers using cellular phones."

And how many from hams through phone patches?

Maybe the problem is really just that they don't keep track of that
number... or they lump it in with cellular phones.

From -5815490346520789856
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bf37013b4991de5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 11:58:13 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!aplcen!haven!decuac!ufp.dco.dec.com!murphy
From: murphy@ufp.dco.dec.com (Rick Murphy)
Newsgroups: rec.ham-radio
Subject: Re: QSLing ratios
Message-ID: <3151@decuac.DEC.COM>
Date: 20 Jul 90 15:30:32 GMT
References: <1990Jul19.195354.16935@cbnewsj.att.com>
Sender: guest@decuac.DEC.COM
Reply-To: murphy@ufp.dco.dec.com
Organization: Digital Equipment Corporation, Landover MD
Lines: 30
Posted: Fri Jul 20 16:30:32 1990

> Via the BURO: 126 sent, 25 received, 20% (pretty low?)
> Via the BURO and over one year: 28 sent, 9 received, 32% (not much better)

...
> I'd like to hear other people's experiences, especially in regards to
> QSLing via the BURO. 73 DE KB2GLO.

Expect bureau cards to take anywhere from several months to several
YEARS to be returned.
For example, my recent buro shipment contained cards for QSOs I made
while in Guernsey
in December '88. Note: not RESPONSES to my cards; these are from folks
who want one from
me for 'a new one'! A year and a half. You've got to be patient.

Re: direct QSLing. I haven't counted, but my experience is that most
folks are pretty good
about responding. (the St. Peter and Paul Rocks expedition was a glaring
exception - but that
was the Brazilian postal 'authorities'. It took me a registered letter
to get a QSL!)

Enjoy and good luck.
     -Rick

Rick Murphy, WA1SPT/4   Digital Customer Center, Landover, MD
Domain: murphy@ufp.dco.dec.com -or- murphy@ufp.enet.dec.com
Bang: decwrl!ufp.dco!murphy -or- decwrl!ufp.enet!murphy
Ding: (301) 306-2985
Disclaimer: This nonsense came from an AI program written in TECO. Ignore it.

From -8203290055608897850
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,63de5d8539a98bb6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 12:02:32 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!math.lsa.umich.edu!spsd3260a.erim.org!hideg
From: hideg@spsd3260a.erim.org (Steve Hideg)
Newsgroups: rec.ham-radio
Subject: Re: Reliability of Rigs left on
Message-ID: <1990Jul20.171032.17199@math.lsa.umich.edu>
Date: 20 Jul 90 17:10:32 GMT
References: <12606912053.10.POPYACK@TOPS20.RADC.AF.MIL>
Sender: usenet@math.lsa.umich.edu
Organization: ERIM
Lines: 15
Posted: Fri Jul 20 18:10:32 1990

In article <12606912053.10.POPYACK@TOPS20.RADC.AF.MIL>
POPYACK@TOPS20.RADC.AF.MIL writes:
> I don't think you will have a problem leaving your rig on all the time
> (unless it is a heathkit)....

Golly!

I was given an HW-2036. I intend to use it as a remote base on my
RC-85-controlled 440MHz repeater. Is there a reliability issue I
should be concerned about? Fortunately I have GREAT access to the site...

____
Steve Hideg (N8HSC)

hideg@spsd3260a.erim.org

From -8108741032393688049
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bf37013b4991de5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 12:02:39 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!nisca.ircc.ohio-state.edu!hpuxa.ircc.ohio-state.edu!dixon

From: dixon@hpuxa.ircc.ohio-state.edu (Robert S. Dixon)
Newsgroups: rec.ham-radio
Subject: Re: QSLing ratios
Message-ID: <2979@nisca.ircc.ohio-state.edu>
Date: 20 Jul 90 17:09:43 GMT
References: <1990Jul19.195354.16935@cbnewsj.att.com> <3151@decuac.DEC.COM>
Sender: news@nisca.ircc.ohio-state.edu
Organization: Ohio State Univ IRCC
Lines: 21
Posted: Fri Jul 20 18:09:43 1990

There are other ways to send QSLs than have been discussed thus far.

1. Send cards directly to DX bureaus, rather than thru the ARRL outgoing service. Their addresses are in the Callbook. This saves the time for ARRL to send them to the same places.

2. Use a QSL forwarding service, such as N7RO. For a small fee per card, he sends your cards with an SASE to any known qsl manager (he knows who they are), and then sends the replies to you via the ARRL incoming bureau. If there is no known manager, he sends them via the bureau. This saves you from having to know anything about DX addresses or managers, and saves you lots of postage. I have had good results with this method.

Bob

-=-
```
Bob Dixon                                         email: Bob_Dixon@OSU.edu
Director, Instruction and Research Computer Center   voice: 614-292-4843
Ohio State University                                fax:   614-292-7081
1971 Neil Avenue  (room 406)                         packet: W8ERD@W8CQK
```

From 7725765829133553678
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61b38504f909074a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 12:03:42 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!wuarchive!mit-eddie!ll-xn!olsen
From: olsen@XN.LL.MIT.EDU (olsen)
Newsgroups: rec.ham-radio
Subject: Re: Lat and Long listings?
Summary: info is available on Internet
Message-ID: <1949@xn.LL.MIT.EDU>
Date: 20 Jul 90 11:45:48 GMT
References: <3028@sunpix.East.Sun.COM> <31782@cup.portal.com>
Organization: MIT Lincoln Laboratory, Lexington, MA
Lines: 34
Posted: Fri Jul 20 12:45:48 1990

In article <31782@cup.portal.com>, Lee_-_Reynolds@cup.portal.com writes:
> I need something that can provide accurate (but not down to

> seconds) Lat and Long coordinates for a given city or area

If you're lucky enough to have access to the Internet, there is a geographic information server at martini.eecs.umich.edu, that will give you lat/lon, population, ZIP code, and lots more.

Geographic name server

```
      command:
      telnet martini.eecs.umich.edu 3000
                     or
      telnet 35.3.64.4. 3000
```

Data came primarily from the US Geodetic Survey and the US Postal Service. Coverage includes all US cities, counties, and states, as well as some US mountains, rivers, lakes, national parks, etc. A few international cities have also been included. Unfortunately, some minor inaccuracies remain. Merit Inc. is not responsible for maintaining this data.

Queries should generally look like the last line of a postal address, as in "Ann Arbor, MI 48103".

All these queries will also work:

1) ed(1)-style regular expression, like "[Bb]os.*n$"
2) A city name alone, like "Ann Arbor"
3) A ZIP or ZIP+4 code alone, like this: "46556", "48103-2112"
   NOTE: only the first 5 digits in a ZIP+4 code are used.
4) As in 1) or 2) but with a state name or abbreviation, like this: "Ann Arbor, MI", "Los Angeles, California"
5) As above but with optional nation name or abbreviation, like "Toronto, , Canada". NOTE: there are currently very few foreign cities.

From 3580106718291950682
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe1482054b817262
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 13:50:48 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!unmvax!ariel.unm.edu!hydra.unm.edu!ee5391aa
From: ee5391aa@hydra.unm.edu (Duke McMullan n5gax)
Newsgroups: rec.ham-radio
Subject: Re: Cellular telephone as emergency service?
Message-ID: <1990Jul20.175844.8030@ariel.unm.edu>
Date: 20 Jul 90 17:58:44 GMT
References: <9007192350.AA07535@ucsd.edu>
Sender: usenet@ariel.unm.edu (USENET News System)
Organization: University of New Mexico, Albuquerque
Lines: 27
Posted: Fri Jul 20 18:58:44 1990

I have no answer to Doug's original questions, but it does bring up some ideas to me. You know how a local 2M rptr. can get jammed up when there's something exciting brewing, such as an SAR operation. What happens when a widespread emergency occurs? Consider that hams (on the average) are pretty considerate folks, and (IMHO) are more likely to have some training/experience in handling emergencies and dealing with emergency communications.

Now.

What happens to the local cellular nodes when the fewmets hit the windmill? IMHO again, the service would go "suddenly and dramatically to hell" as dozens/hundreds of nervous folks tried to get on the air at the same time.

So what really happens? Can anyone in the Bay area tell us what happened on the cellular links during the big shakeup a while back? Some of you must KNOW what happens to the cellular services in these situations. Would you be willing to share your tales?

Curiouser and curiouser,
d

--
"Peace is hell." -- Skyler
Duke McMullan n5gax nss13429r phon505-255-4642 ee5391aa@hydra.unm.edu

From -2283650460106102660
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 13:52:04 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!agate!shelby!portia.stanford.edu!jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: Airwave Wars
Message-ID: <1990Jul20.172957.9000@portia.Stanford.EDU>
Date: 20 Jul 90 17:29:57 GMT
References: <1990Jul18.215248.11497@bellcore-2.bellcore.com> <186@bongo.UUCP>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 7
Posted: Fri Jul 20 18:29:57 1990

The ARRL was so overconfident over winning the 220 debate, based on public service arguments, that they refused or ignored other arguments and offers of help. If you want the sordid details, email me.

-=Paul Flaherty, N9FZX/VK2WYX | "TEXAS! Has a USENET in it... (Lord have Mercy
->paulf@shasta.Stanford.EDU | on us all!)" -- _The Best Little Net in Texas_

From 8669220571898840924
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1372ba158a7da535
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 13:54:13 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!samsung!uakari.primate.wisc.edu!
sdd.hp.com!hplabs!hpda!hpcupt1!hprnd!hprmokg!barry
From: barry@hprmokg.HP.COM (Barry Fowler)
Newsgroups: rec.ham-radio
Subject: Re: So, what's YOUR favorite surplus place?
Message-ID: <29490015@hprmokg.HP.COM>
Date: 20 Jul 90 04:23:24 GMT
References: <1530047@hpsadle.HP.COM>
Organization: HP Networked Computer Mfg. Operation
Lines: 13
Posted: Fri Jul 20 05:23:24 1990

mikef@hpsadle.HP.COM (Mike Ferrara) writes:

>Being relatively new to California, I need help finding those gems
>in the rough ... good surplus outfits. I'm particularly interested
>in the San Francisco Bay Area, but get down to LA occasionally, and would

When I used to live in So. Calif., there was a REAL good war surplus
electronics store called J.J. Glass.

I don't know if they're in business anymore and would like to know
if they are since I'll be down there in around a month or so.

From -5167836836175344179
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,715d6eeafa9a84ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 14:04:11 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Communicator License Frequencies
Message-ID: <1990Jul20.182133.21406@bellcore-2.bellcore.com>
Date: 20 Jul 90 18:21:33 GMT
References: <9007190347.AA12165@cmr.ncsl.nist.gov>
<1990Jul19.050427.12730@bellcore-2.bellcore.com> <QXK&_7#@splut.conmicro.com>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 13
Posted: Fri Jul 20 19:21:33 1990

In article <QXK&_7#@splut.conmicro.com>, jay@splut.conmicro.com (Jay
"you ignorant splut!" Maynard) writes:
|> Boo!
|> You still haven't come up with a solution that solves both the technical
|> and political problems involved. Any new way of allocating spectrum that
|> won't be accepted by the ham population won't work.

If by "political problems involved" you're referring to your "requirement" that an existing repeater allocation stay in effect forever no matter what, then I'm afraid there is no solution.

Phil

From 173693655625771923
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5c82c07be4ca81c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 14:04:41 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!zaphod.mps.ohio-state.edu!usc!ucsd!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Communicator Frequencies
Message-ID: <1990Jul20.183601.21501@bellcore-2.bellcore.com>
Date: 20 Jul 90 18:36:01 GMT
References: <9007201131.AA14956@cmr.ncsl.nist.gov>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 26
Posted: Fri Jul 20 19:36:01 1990

In article <9007201131.AA14956@cmr.ncsl.nist.gov>, rc@CMR.NCSL.NIST.GOV
(Robert Carpenter) writes:
> Also, pious statements like "it's time for all of us ... to move up to the
> higher bands ...." haven't proven effective for the last 30 years.

Bingo! The reason they haven't proven effective is because there has never been any *real* incentive to move up. The fact that 220 and 70cm are almost dead outside of major metropolitan areas ("dead", in that they're much less heavily used PER CAPITA) is convincing proof that the most effective way to encourage use of the upper bands is to increase the density of the amateur population.

> There are enough "real" hams on
> 440 that the newcomers will not lack for contact with more experienced hams.

I disagree. Only in major metropolitan areas is 70cm FM activity high enough to make this band a place to assimilate Communicators into the existing amateur population. Remember that there are vast areas of the

US with little or no activity on bands other than 2m, and even on 2m in these areas there is plenty of room. One set of comments I saw at the FCC were from an amateur in northern Wisconsin who said that much of 2m is completely idle up there, and any extra activity (even more repeaters) would be most welcome.

Phil

From -3762546631755221826
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4ba9731d9e8a0f8b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 14:24:33 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!joehol
From: joehol@microsoft.UUCP (Joseph HOLMAN)
Newsgroups: rec.ham-radio
Subject: FO-20 satellite usage
Keywords: more hams needed !
Message-ID: <55985@microsoft.UUCP>
Date: 20 Jul 90 16:51:06 GMT
Organization: Microsoft Corp., Redmond WA
Lines: 17
Posted: Fri Jul 20 17:51:06 1990

OK, what's the deal!

for the last 4 days (12 passes over Seattle) i've been on FO-20, *ALONE*, except for last night on one pass some guy from Rhode Island was on...

signals are great, bird is loud, etc...

but, where is everybody !!! their used to be lots of people on JA mode...

sigh...

joe holman, ka7ldn

(and yes, i too have been working ao-13 in between passes...)...

From -2987845653385955920
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 14:43:06 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!mips!daver!vsi1!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio

Subject: Re: Airwave Wars
Message-ID: <2800@wyse.wyse.com>
Date: 20 Jul 90 16:57:36 GMT
References: <1990Jul18.215248.11497@bellcore-2.bellcore.com> <186@bongo.UUCP>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 80
Posted: Fri Jul 20 17:57:36 1990

In article <186@bongo.UUCP> julian@bongo.UUCP (Julian Macassey) writes:
>Why oh why does everyone drone on about how wonderful amateur radio
>is in an emergency? This is the U.S.A., this country has the best
>equipped Emergency services and Armed services in the world. The U.S.
>Armed services even have their own phone network. Do you seriously
>think that amateurs are the lynch-pin of disaster communications?

Nope, we're certainly not the only game in town....but we are one of the
best preparred to help due to some to the goals and purposes you
mention later.

>   In my cynicism I suspect the ARRL is behind this stuff.

Oh....could be.....but I'm not wearing my Section Manager's hat
right now. ;-)

>It somehow
>reminds me of NRA stance of "A high powered automatic weapon in every
>home will reduce crime".

>The fact is, the U.S.A. is about the only country where you can play
>ambulance man with your radio. It is pretty much illegal in most of
>the world as it is truly third party. Watch the rec.ham-radio.lawyer
>postings on this one.

>If you read the international docs that mention amateur radio, there
>is no mention of "disaster communications". To illustrate what they do
>mention, permit me to display a paragraph from PR Docket No 90-55

> Quote of the International Rules deleted so I can get this to
> pass the posting filter....

Fine Julian....but the US basis and purpose has one other added
item in its' list. In fact, if memory serves me correctly its
the first in the list. To paraphrase radically(I'm doing
this from a poor memory ;-) the basis purpose also says to
provide a corps of trained operators to aid in emergency communications.

The new rules rewrite goes even further to codify that fact that
its ok to help out in public service events which was always open
to debate before the rewrite.

You're probably right about the US being an exception in this case

but as far as I can see we're providing a useful service by doing
so.

>Interesting that, "self-training, intercommunication and technical
>investigations". When I studied for my exam, that's what I thought
>it was for. But I suppose that makes me an old fart that doesn't
>understand.

That self-training includes more than one aspect for a US
licensee. It includes self-training as both a techician and an operator.

>If my local emergency service needs more coms these days, they don't
>call out the fat guys with the walkie-talkies on their belts and
>obsolete police radios in their cars. They call up a cellular carrier
>and get some cellular phones that give them instant coms and ability
>to communicate anywhere in the world.

Yes they do. Cel Tel doesn't cover the world (yet ;-). Communicating
anywhere in the world ?? I thought that was what HF was for ;-)
Seriously, as I've posted recently, I just have to look to last
weekend to find an existance proof to nullify your statement.
We had a cell tel with us. Odd...they don't provide service 20 miles
into the back country....but amateur repeaters did. Mind you we did
have to set up a cross-band link to get the coverage we needed...
whoops...the technician aspect of the whole thing just snuck in.

(Note for the readers not familiar with California...back country
 implies mountainous terrain. No line-of-sight communications was
 available with the major populations centers.)

>Why don't we push the aspects of amateur radio that are in our
>international charter?

I don't see why we can't push ALL the aspects of the US basis
and purpose....

73's de Steve KA6S

From -8917501535460661520
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5c82c07be4ca81c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 15:18:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: Communicator Frequencies
Message-ID: <26065@usc.edu>
Date: 20 Jul 90 19:49:58 GMT
References: <9007201131.AA14956@cmr.ncsl.nist.gov>
Sender: news@usc.edu

Organization: EE-Systems, USC, Los Angeles
Lines: 16
Posted: Fri Jul 20 20:49:58 1990

In article <9007201131.AA14956@cmr.ncsl.nist.gov> rc@CMR.NCSL.NIST.GOV (Robert Carpenter) writes:
% I don't think Phil's reply would help us ward off the land mobile people who
% would be pointing out 220-and-up ham frequencies remaining unused years AFTER
% the existence of a Communicator license.
% I see letting Communicators on two as directly
% leading to the LOSS of many of our higher bands.
%   * * * * *
% I have this nightmare that if we let Communicators on two, we are sealing
% the doom of many of the higher ham bands.
%   * * * * *
% 73,   Bob W3OTC

Very good point, Bob. Thanks. You said it so well, that I can't say anything more to add to this thought.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

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From 3755325691396839565
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 15:18:04 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpl-opus!hpnmdla!donm
From: donm@hpnmdla.HP.COM (Don Montgomery)
Newsgroups: rec.ham-radio
Subject: Re: QRP kits?
Message-ID: <1250202@hpnmdla.HP.COM>
Date: 20 Jul 90 15:56:34 GMT
References: <2480@inews.intel.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 17
Posted: Fri Jul 20 16:56:34 1990

Try RADIOKIT. They have a bunch of interesting offerings. Their mail address:

RADIOKIT
PO Box 973
Pelham, NH
03076

Store address:

169 Jeremy Hill Rd
Pelham, NH
03076

Phone:
(603) 635-2235

73, Don K6LTS

From 3429347635094464268
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6131342faaaee59
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 15:21:39 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!zaphod.mps.ohio-state.edu!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: DSP Mania and books
Message-ID: <749@idacrd.UUCP>
Date: 20 Jul 90 19:49:08 GMT
References: <3554@radio.oakhill.UUCP>
Organization: idacrd, princeton, nj
Lines: 52
Posted: Fri Jul 20 20:49:08 1990

From article <3554@radio.oakhill.UUCP>, by charlie@oakhill.UUCP (Charlie Thompson):
> In article <748@idacrd.UUCP>, mac@idacrd.UUCP (Robert McGwier) writes:
>>
>> RE: DSP Mania and books on the subject
>>
>> Motorola has given away source for a V.32 trellis Viterbi decoder
>> for the DSP56001.   Not included is the rest of the modem which includes the
>>
>> Bob McGwier
>> <N4HY>
>
> Here is a rebuttal from the author of the Viterbi Decoder code for the
> Motorola DSP56000:
>
> The author is available to answer questions on the applications note
> or any other Motorola DSP questions Bob or anyone else might have.
> I wonder why Bob did not mention that no other DSP manufacturer has
> a free Viterbi decoder? And finally, this same implementation has been
> Last, the Motorola DSP56001 is, to date, the only single chip solution
> for V.32 Modems. Papers and information on this are available from
> Motorola DSP Operations.
>

The author of the applications note is Dion Messer and may be contacted
at (512)-891-2694 (Motorola DSp operations). She was extremely polite
and helpful when she called to talk to me about the note. I agree with
every single sentence in the `rebuttal.' I use ONLY Motorola DSP products

in all my DSP work and the architecture and what it affords you in the way of speed up in a number of applications is the reason. Dion's comments leaned towards defensive about the fact that it is not an applications note on modems. I didn't mean to imply that I didn't like the note because it didn't cover modems. I didn't like the note because it didn't do what I needed done and that was to explain clearly how do you take advantage of the architecture of the 56000 series to this trellis decoder is such a way that you CAN do a single chip modem design for a different trelllis or different constellation. If I am to be faulted in my statement it was for calling the `theoretical part' of the note into question when I should have said discussion part. There is no doubt that this is an extremely fast Viterbi decoder. It is faster than the one I have written but the one I wrote I can take and modify it for other applications with some ease. As soon as I understand Dion's work, I am certain that I will be a convert. Thanks to Charlie and Dion for the effort.

Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

```
From -7213554915498337992
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b068affc1b8c865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 15:22:59 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!t-petesk
From: t-petesk@microsoft.UUCP (Peter SKELLY)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio's value (Was: Re: Communicator Class)
Message-ID: <55993@microsoft.UUCP>
Date: 20 Jul 90 20:20:07 GMT
References: <25883@usc.edu> <7880189@hpfcdc.HP.COM>
Reply-To: t-petesk@microsoft.UUCP (Peter SKELLY)
Organization: Microsoft Corp., Redmond WA
Lines: 184
Posted: Fri Jul 20 21:20:07 1990
```

I personally thing that the Communicator Class license is a half-*ssed attempt to solve the symptom of a problem, and not the problem itself. In fact, I think that this new class could make things even worse if we limit them to certain bands, or whatever.

IMO, the main problem with ham-radio which is most directly related to the Communicator thing, is the fact that the hobby is organizationally very sluggish. We have a licenseing scheme that hasn't changed since before my time(yes, i'm a youngun).
This licenseing scheme, along with the lack of strong leadership in the hobby lately, have brought the many diverse groups in ham-radio(contesters,

techies, sattellite jockies, dxers, just to name a few) at odds with each other. The packet and microwave guys insist that those technologies are the future of ham-radio, but also tend to insist that code is dead. The dxers(and other hf guys) tend to be a little anachronistic, but insist that hf is where it's at. And both groups want to make the enterence into the hobby for new people nearly impossible.

The ARRL(and other groups) whom are supposed to be leading us are trying to please all of the groups, whom are all at odds, and end up pleasing no-one.

And now everyone is becomming paranoid about the band losses that we've been experiencing. In most cases, people blame the band loss on other groups, who retaliate by pointing the finger the other way.
As all of this happens, our numbers are decreasing...

Occasionally, someone comes along and proposes a way to increase our numbers (the Communicator Class). Then some jerk in the back row announces, "What if CBers or Lazy People use this method to join". Then someone rushes to ammend the new license class to make it inpossible for anyone but a

Phd in CS to pass the exam. yeah, like that does a lot of good.

I say, so what if CBers join, or Lazy people, or whoever. They have just as much a right to be a ham as an extra who has been licensed for 40 years. All they have to do is follow the rules(the FCC rules, not the ham radio "Jim Crow" laws).

Okay, enough of that. I cannot personally complain about something without helping to find a solution. Seeing as how many problems are related to the licensing system, here's a new one. This one, believe it or not, makes a little more sense than the current one. It is similar to that used in some european countries, but allows for easier entry into the hobby at a basic level. It doesn't require you to know CW to press the key on an HT. It doesn't require you to know CW to run an atv camera. And if you want to do cw, you do not have to know about microwaves.

I know many wont like this sort of scheme, because it takes away the ability to say "yeah, i'm an extra, so i'm better than you", but I'd rather say,

"yeah, i'm a ham, do you want to be one too".

So take a look over it. I'll compile any comments sent to me and try to update the scheme.
(Don't mind the ctrl=Ms, I don't feel like removeing them right now)

The basic license - The basic ham license would be equivalent to the current NOVICE class license. Its purpose would be to allow new hams to experience different modes and bands. The bands and powers allowed would be similar to the current Novice bands, with the exception of some of the CW bands.
Basic Bandplan - 10m - SSB - allows for HF DXing
10m - CW - code practice band.
220 - fm voice - (HT's)

All modes limited to <100WPEP

Requirements - A test covering material similar to the current NOVICE written test.
ie. Other License Classes, SSB operation, CW operation, FM repeater operation, FCC rules, some info about the new licensing structure.

(THIS IS a NO CODE LICENSE)

CW Endorsements - These are endorsements at 5wpm, 13wpm, and 20wpm that allow new bandspace and power for those who wish to operate in efficient CW traffic nets and other such things.

5wmp - allow full NOVICE power in all the current NOVICE bands.
13wpm - general/advanced bands
20wpm - extra bands.

The idea behind the endorsement idea for CW is to keep certain high speed bands clear for power users, but allow room for new CWers. The current scheme of licensing just tends to stratisfy hams, which we obviously do not need at this point in time. It may cause the demise of HR. These CW endorsements are no longer attached to knowledge of satellite operation, or VHF DXing, They are just CW endorsements.

Other HF endorsements

Digital Modes - this endorsements covers modes such as RTTY or HF Packet. The Written test for this mode would cover these subjects.

Special Modes - this covers new or experimental modes, and modes such as sstv, and allows new modes to be developed by the holder.

The test would cover some of the new modes, and things like bandwith, bands, beacons, or whatever.

HF Voice - This covers voice communication. There could possibly be more than one level of this endorsement, allowing for more bands equivalent to general/advanced and extra.

The test would cover, yep, you guessed it, voice modes on hf. Modulation Methods, simple receiver/transmitter design, etc.

POWER - Amateurs are limited to low(100WPEP) until they get this endorsement. Strangely enough, the ability to run power properly has been proven to be not related to the ability to transmit 20wpm cw, so why link it to cw speed.

The test would cover things like:
PROPIGATION
POWER AMPLIFIER CIRCUITRY
MORE FCC rules

*** How to operate at the minimum power level needed and not shove a full 1500WPEP or more through our antenna to the guy next door.

VHF/UHF/SHF endorsements

VHF/UHF operation - this would allow operation on all of the bands at limited (100WPEP) power. Simplex and Duplex, and other types of operation. This would also possibly only allow for bands up to 1.2 gigs or whatever, at limited power. This is because microwave frequencies higher than this are potentially hazardous, and should be covered by a separate endorsement.

The test would cover:
Modulation Methods, Propigation
Repeater/Simplex Operation, and so on.

Special Modes - this would cover FS ATV, FM ATV, and other fancy modes, possibly with space/satellite operation, but that could be made to be a separate endorsement.

Digital - packet - self explanatory.

POWER - this allow for full power on the VHF/UHF bands (possibly linked to the microwave endorsement).
This endorsement makes sure you know what you're doing before you hook up that 1.5KW linear to your 440 rig, and aim at your neighbors dog.

Microwave - This would cover that "fry your brains" microwave stuff. It covers microwave(1.2 and above), with full microwave power.

OTHER -

ARRL Politics - this endorsement says that you understand the politics of the ARRL, and possibly ham radio as a whole. Probably only one or two of these will be given out, and only to people who've been silent keys for a number of years.

All current licenses would be converted into equivalent sets of endorsements.
ie, extra would probably get them all. general woud get most, etc.

This licensing scheme is designed to allow hams to operate in the modes they want without worrying about other modes in which they will probably never dabble. It allows easy entry into the hobby, and hopefully will not stratisfy the hobby like the current scheme has.

t-petesk
Peter Skelly
KB7GUD

_my opinions are my own

P.S. No Spelling or Punctuation Flames, please. I'm no literary smart guy.

From 3520860653498920064
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe1482054b817262
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 15:25:53 PST
Path: gmdzi!unido!mcsun!uunet!motcid!rawlins
From: rawlins@motcid.UUCP (Robert M. Rawlins)
Newsgroups: rec.ham-radio
Subject: Re: Cellular telephone as emergency service?
Message-ID: <4277@apricot40.UUCP>
Date: 20 Jul 90 18:53:31 GMT
References: <9007192350.AA07535@ucsd.edu>
Organization: Motorola Inc., Cellular Infrastructure Div., Arlington Heights, IL
Lines: 20
Posted: Fri Jul 20 19:53:31 1990

From article <9007192350.AA07535@ucsd.edu>, by faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269):
>
> Do cellular nodes have emergency power? If so, for how long?
> Obviously some are at CO's and will be up for a long time, but what
> about my neighborhood site? Any "standard" answers?
> thanx, doug

Yes doug, most cellular nodes (base sites) do have backup power supplies.
I'm not sure how long they are good for (a few hours?).

I say "most" because even though it is supplied with the equipment and its use is strongly recommended by the manufacturer, it is up to the operating company as to whether it is actually used and maintained.

Robert Rawlins
Motorola, CID   "Don't ask me! I only work here."
1501 W. Shure Drive
Arlington Heights, Il 60004   All standard disclaimers apply.

From 502105169610535012
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12a713cf646222ee,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 15:39:15 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!rpi!bu.edu!orc!decwrl!bacchus.pa.dec.com!decatl!shlump.nac.dec.com!carafe.enet.dec.com!goldstein
From: goldstein@carafe.enet.dec.com (Fred R. Goldstein k1io)
Newsgroups: rec.ham-radio
Subject: Qualification-based licensing
Message-ID: <13686@shlump.nac.dec.com>
Date: 20 Jul 90 20:23:46 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 58
Posted: Fri Jul 20 21:23:46 1990

I'm working on a more detailed proposal, but I thought I'd post this early just to get a few brickbats thrown at me.

After the current FCC 90-55 proposal is disposed of, I'd like to propose a more serious restructuring of the Service. This throws away Incentive Licensing for good and replaces it with a more legally and morally sound scheme, where the license is earned by (hey, this is really novel) demonstrating the qualifications needed to use the privs that the license gives! Sort of like cars, airplanes, medicine, etc.

This uses about 3 1/2 classes of license. The general rule is that it gets EASIER to get on the air than before. Existing licensees are largely upgraded as a result. Yo, welcome riff raff! :-) Seriously, the idea is to have MORE than just EE's come into hamdom, by concentrating the exams on what you need to use the privs.

NOVICE will have code and no-code flavors, with 30 MHz and down the difference. HF privs the same as now. VHF privs (for no-code) will be essentially all VHF bands, with gaps for weak-signal, sat control and other critical areas where chatters don't belong. The power limits will follow the current Novice: 250 W HF, lower VHF, down to 5 W on UHF where it's more dangerous. The current NOVICE test difficulty will apply. ("Amateur regulations and basic practices, and sufficient theory to understand them.") This is sort of like the Japanese Telephone class, and may be a good way to get young people, YLs, and more "ordinary" people interested. But it isn't CB, it's HAM.

GENERAL will get all VHF freqs and most, but not all, HF. The good DX sections won't be there, sort of like today, but 3/4 of the subbands (phone and CW portions) will be. The code test is lowered to 5 WPM. The written test is about the present level. The power level will be reduced to 250 W, with a possible grandfather clause after phase-in. (That'll get the OT's upset.) General can own repeaters. (Novices won't.) Current Techs would grandfather here too. The idea, btw, is that high power and serious DXing shouldn't be left to those with minimal technical skill, but they should still be allowed to try everything.

EXTRA will get everything. The code test will be 15 WPM, with roughly the current written test. (If you're going to use CW, you'll learn it, but 20 WPM is suspected of causing permanent brain damage. Look at me.) Current Advanceds might grandfather up here.

The idea is not to try to populate quiet bands with newcomers; that is a recipe for disaster. Its purpose is to allow people to get a good taste of Ham Radio without excessive work, while limiting the amount of damage they can cause themselves or others. If you want to learn something, you learn it. We get out of the Boy Scout Merit Badge business.

I just thought I'd share that all with you; I may post more details later, or we can just debate it.
<set shields>
---
Fred R. Goldstein   goldstein@carafe.enet.dec.com
k1io   or goldstein@delni.enet.dec.com
                    voice: +1 508 486 73 88

From 1532419908682965597
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bf37013b4991de5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 15:40:41 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!tomas
From: tomas@Apple.COM (Tom Taylor)
Newsgroups: rec.ham-radio
Subject: Re: QSLing ratios
Message-ID: <43185@apple.Apple.COM>
Date: 20 Jul 90 16:00:36 GMT
References: <1990Jul19.195354.16935@cbnewsj.att.com>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 24
Posted: Fri Jul 20 17:00:36 1990

Yet another QSL ratio report...

My computer tells me the following: (from about March '88 till yesterday)

Direct QSLs sent: 876   (all but 5 for DX stations)
Direct QSLs received: 719
Average turnaround time: 65 days
Return rate percentage: 82%

Bureau QSLs sent: 578
Bureau QSLs received: 144

The "buro" figures are misleading. I've only received 10 cards from the bureau that have "TNX QSL" instead of "PSE QSL." All of those cards came in a packet yesterday! The bureau turnaround time is at least a year or two. I've only received one unsolicited direct QSL (from an HB9). Through the bureau, I guess I've received about 134 unsolicited QSLs. The best two were from Malta (9H3??) and Morocco (CN8). The all-time best QSL was from JPL for a QSO during the Neptune encounter (I was mobile on 40m in Utah). The QSL came with a stack of color 8x10 shots of Neptune, its rings, and its moons, taken by Voyager.

Tom Taylor
AA6BR

From 6286989164869922749
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76a9fe23a648e918
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,76a9fe23a648e918
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,76a9fe23a648e918
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-07-20 15:45:22 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!uflorida!mephisto!
rutgers!cunixf.cc.columbia.edu!gp15
From: gp15@cunixf.cc.columbia.edu (Gerald Pulver)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.radio.shortwave
Subject: Re: 2 meters (144Mhz band) and wet trees
Keywords: attenuation?
Message-ID: <1990Jul20.125344.15729@cunixf.cc.columbia.edu>
Date: 20 Jul 90 12:53:44 GMT
References: <103744@philabs.Philips.Com> <600@entec.Wichita.NCR.COM>
Reply-To: gp15@cunixf.cc.columbia.edu (Gerald Pulver)
Organization: Columbia University
Lines: 4
Xref: gmdzi rec.ham-radio:13071 rec.ham-radio.packet:2565 rec.radio.shortwave:1650
Posted: Fri Jul 20 13:53:44 1990

In article <600@entec.Wichita.NCR.COM> kthompso@entec.UUCP (Ken Thompson) writes:
>It does not rain in summer here.

The crown has made it clear?

From 6778480027349046503
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6689244f30762af,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-20 16:38:22 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
usc!ucsd!ucbvax!TECNET1.JCTE.JCS.MIL!mgb
From: mgb@TECNET1.JCTE.JCS.MIL

Newsgroups: rec.ham-radio
Subject: Communicator Class
Message-ID: <9007202223.AA23127@tecnet1.jcte.jcs.mil>
Date: 20 Jul 90 22:23:39 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 53
Posted: Fri Jul 20 23:23:39 1990

Phil Karn speaks of giving 2 & 6 meter privileges to the Communicator Class and goes into a lot of reasons why. Let me state my observations.

In this area we have ONE 220 repeater. It is up on a 2000 foot tower and has GREAT coverage but NO autopatch. Novices run right out and buy 220 rigs and get on voice VERY quickly. Out of 10 Novices licensed in the last 4 months... EVERY ONE OF THEM BOUGHT 220 RIGS! (Most also bought the Uniden 10 meter rig... voice again)

We also have a few 2 meter repeaters that LINK into the 220 repeater. In talking to these new hams it was found that their number one desire was to upgrade to "Tech" so that they could get on 2 meters directly.

Out of those 10 Novices... all but one has now upgraded to Tech or above, and every one of them now has a 2 meter rig, and ALL of them want to SELL their 220 radios.

In looking over the local clubs roster it is clearly seen that a LOT of the Technicians never upgrade any further. They are happy with what they have, feel no desire to get active on HF, and so... they stay where they are.... usually on 2 meters.

As you can see then, my personal opinion is somewhat biased by the local experience that I have just described. I realize that I can not take this one example and apply it to the whole U.S. of A., but none-the-less, I am left with the definate message that if you allow Communicators on 2 meters right off the gitgo.... then that is where they will stay for a LONG LONG time.

Another person (I think it was Phil Howard.. sorry if I am wrong Phil) made some mention of this being a good thing as it would drive the original developers of 2 meters into moving on to the higher bands. I must question this observation. Hams don't like to be FORCED to do ANYTHING :-) I mean who does? If the congestion on 2 reaches the proportions that are predicted, then the much more likely event to occur (IMHO) is that the new Communicators will be ostracized and treated like unwanted scum by enough hams that these people will be alienated from our hobby in rapid fashion, or will get really mad and will start fighting back in the form of jamming and other nasty tricks. Don't get me wrong... I don't LIKE that prediction (!!!!), it just happens to be the way I see it happening after watching 14.313, portions of 75 meters, and repeater wars on 2 meters a few years ago.

Phil Karn's recommendations are especially apt *IF* we lived in a perfect world. Given the way things are in this part of the country, I can not see these ideas working the way that he predicts. Thus I have to say that it is my personal opinion that the Communicator Class should be limited to 220 and above.

Please feel free to flame... it is just my opinion.

Mark Bitterlich
wa3jpy@wb4uou
mgb@tecnet1.jcte.jcs.mil

From 5956774493415526132
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,526395f460ea9371
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 22:12:28 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!gvgpsa!gold!jimd
From: jimd@gold.GVG.TEK.COM (Jim Delwiche)
Newsgroups: rec.ham-radio
Subject: Re: Awesome Code system
Keywords: phoentics international morse code
Message-ID: <1179@gold.GVG.TEK.COM>
Date: 17 Jul 90 22:48:19 GMT
References: <23475@shamash.cdc.com> <635@ghp.UUCP> <2002@cod.NOSC.MIL>
Organization: Grass Valley Group, Grass Valley, CA
Lines: 14
Posted: Tue Jul 17 23:48:19 1990

In article <2002@cod.NOSC.MIL> medin@cod.nosc.mil.UUCP (Ted Medin) writes:

(deleted discussion of code mnemonics)

> Problem with this is your mind can't handle this reading higher speeds
>(>13wpm) Think you have to learn the sounds like a musical note and not
>count dits and dahs.

I agree with Ted. The mnemonic technique works fine for getting to 5wpm, but can be a barrier to getting above 13wpm. It's like you've added one more level of indirection to getting from the sound to the letter (or the word), and you take an extra hit in delay: ear -> mnemonic -> letter -> fist. Once you've gotten used to hearing the mnemonic, it's hard to get rid of it.

From -8695583767310921895
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a358e50b3f03467a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 22:29:30 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!orc!decwrl!bacchus.pa.dec.com!decatl!shlump.nac.dec.com!ricks.enet.dec.com!reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio

Subject: Re: ARRL/QSL bureaus
Message-ID: <13568@shlump.nac.dec.com>
Date: 17 Jul 90 21:49:20 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 47
Posted: Tue Jul 17 22:49:20 1990

In article <1990Jul17.182130.26397@ecn.purdue.edu>, wb9omc@ea.ecn.purdue.edu (Duane P Mantick) writes...

>Which means, if you want to DX but you don't want to be an ARRL member
>you are partly screwed as far as cards go. Since you need confirmation
>to get an award like DXCC (and I suppose you have to be a memmber to
>get that too......) you are in deep doo-doo if you are only getting
>a 50% or less response!

I'd just like to clarify several points brought up here. Sending QSLs direct to DX stations shouldn't result in a lower return rate than for US hams, except for a few instances:

1. Sometimes local post office employees at the DX end pilfer the money or IRCs out of the envelope. Sometimes even the card! Especially if callsigns are used on the envelopes.

2. US Money or IRCs for sending QSLs don't necessarily work all over the world (though IRCs should, but not in the USSR).

3. South Americans are the poorest QSLers, IMHO. JAs are the best.

4. Some DXers stay out on expeditions for a long time and QSL when they get home. This results in delays. But delays are inevitable through the bureau system.

5. Some DXers keep the money/IRCs you send them and return the QSLs via the bureau. If all you do is QSL direct and don't have envelopes on file, you won't get cards.

Yes, you do need to be an ARRL member to apply for DXCC. Yes, you can only send QSLs via the ARRL Outgoing QSL Bureau if you are a member. Yes, even if you work just a little DX, keep envelopes on file at your QSL bureau.

Hope this helps.

73 - jim, AD1C

=-=

"The opinions expressed here in no way represent the views of Digital
 Equipment Corporation."

James J. Reisert   Internet: reisert@ricks.enet.dec.com

Digital Equipment Corp.   UUCP: ...decwrl!ricks.enet!reisert
77 Reed Road
Hudson, MA 01749-2895

From -5193214360817074918
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5606acdf117c5316
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-18 01:18:58 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!usc!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: alternate phonetic alphabets
Message-ID: <1250200@hpnmdla.HP.COM>
Date: 17 Jul 90 22:26:00 GMT
References: <22480005@hpcuha.HP.COM>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 18
Posted: Tue Jul 17 23:26:00 1990

>I don't believe there is a universally agreed upon Phonetic Alphabet but
>many countries do require and/or test their amateurs for use of the
>locally defined/approved Phonetic Alphabet. I know of Japan atleast
>tests the hams, this is perhaps the main reason all the Japanese stations
>use the same Phonetics.

There is indeed a "standard" phonetic alphabet. The "ICAO" (International Civil Aviation Organization) has enforced a standard one for years. It is the one that starts "ALPHA, BRAVO, CHARLIE, DELTA ..."

The ARRL used to have it's own phonetic alphabet back in the 50's (ABLE, BAKER, CHARLIE, DOG ...), but they switched over to ICAO in the interest of uniformity.

AL N1AL

From -6709977595229950862
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc96b4c7aacb49a6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-18 01:19:23 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: a question about crystals
Message-ID: <1250201@hpnmdla.HP.COM>

Date: 17 Jul 90 23:08:22 GMT
References: <3902@rodan.acs.syr.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 9
Posted: Wed Jul 18 00:08:22 1990

"Parallel-resonant" crystals are identical to "series-resonant" crystals,
but are specified differently. (A parallel-resonant 10 MHz crystal will
be series-resonant at a lower frequency.)

With 15 pF to ground on one end of the crystal and 30 pf on the other
end, total parallel capacitance is 10 pF plus circuit strays. I would
specify 12 pF parallel C -- that should be close enough.

AL N1AL

From -3069910208414046981
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,afc27f4a37bd086
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-18 02:34:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!purdue!haven!umd5!rbn
From: rbn@umd5.umd.edu (Ron Natalie)
Newsgroups: rec.ham-radio
Subject: Re: Carrying NiCd packs on airplanes
Message-ID: <6906@umd5.umd.edu>
Date: 18 Jul 90 03:42:14 GMT
References: <30500583@ux1.cso.uiuc.edu>
Organization: BDS Systems, Sterling, VA
Lines: 6
Posted: Wed Jul 18 04:42:14 1990

I just fold over one of my business cards. It's just about twice
the width of the top of the Yaesu batteries. It's also nice because
it identifies it as my batteries (we've got a number of people here
with the same radio).

-Ron

From -1507995217037060168
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ba6aaf545f2c8aac
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-18 02:34:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!uwm.edu!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!purdue!haven!umd5!rbn
From: rbn@umd5.umd.edu (Ron Natalie)
Newsgroups: rec.ham-radio
Subject: Re: Battery Pack Meltdown
Message-ID: <6905@umd5.umd.edu>

Date: 18 Jul 90 03:38:44 GMT
References: <9007021333.aa09634@crdec7.apgea.army.mil>
Organization: BDS Systems, Sterling, VA
Lines: 4
Posted: Wed Jul 18 04:38:44 1990

Melted the teflon? If you've got something that gets hot enough during normal operation to melt the teflon, you're in real trouble.

-Ron

From -8023381857043303563
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a616409de0fe7e7b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-18 03:01:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!uwm.edu!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes, 1of3, 7/13/90
Message-ID: <1564@n8emr.UUCP>
Date: 18 Jul 90 03:50:44 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 183
Posted: Wed Jul 18 04:50:44 1990

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==============================================================
|        Relayed from packet radio via                |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
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SB RTTYDX @ ALLUSA $RTDX0713
RTTY DX Notes, 1of3, 7/13/90

RTTY DX Notes for Weekending 13th June 1990.
Part 1 of 3.
BID: $RTDX0713

Confusion reigns. From reports received, it would appear that some bulletin boards are adding their own endings to the BID, such as OC., AU., AUSNET., ASIANET., EURONET ETC. May i assure you that most of these additions are occurring because of non-standard headings used by a number of BBS's and are not the fault of the originator of the DX notes. Maybe we will come to some agreement on traffic handling soon. Who knows?

Information was supplied this week by I5FLN, I5ICY, I5IGQ, JA1BLV, OD5NG, TG9VT, W2JGR and the Tri-State DX Association VHF packet cluster. Thank you all for your news and views.

Bandpass:

Friday 6:

ZP5AEA	14072	at	0120Z	ARQ
JY9SR	14085	at	0220Z	
LY2WW	14085	at	0258Z	
TA3D	14088	at	0300Z	
EA9MY	14081	at	0305Z	
FK8BK	14074	at	1110Z	ARQ
YL20LSF	21090	at	1905Z	QSL
EA6ZP	14089	at	1946Z	
UA3DJY	21089	at	2210Z	

Saturday 7:

UZ9CWA	21090	at	0310Z	
TA3D	14086	at	0315Z	
LY2WW	14088	at	0520Z	
TJ1MW	14085	at	0633Z	
YB0GI	14090	at	0713Z	
UQ2HO	14082	at	0718Z	
VU2BMW	14074	at	1445Z	ARQ
TZ1DE	14083	at	2010Z	
V85FH	14085	at	2019Z	
HK4UH	21080	at	2028Z	
DU1ANG	21088	at	2303Z	
VP2VF	21072	at	2330Z	ARQ

Continued in part 2.
/EX
SB RTTYDX @ ALLUSA $RTDX0714
RTTY DX Notes, 2of3, 7/13/90

RTTY DX Notes for Weekending 13th June 1990.
Part 2 of 3.
BID: $RTDX0714

Sunday 8:

TA3D	14088	at	0306Z	
RB5MT	14090	at	0315Z	
SV0CR	14074	at	0435Z	ARQ
5N0ETP	14082	at	0524Z	QSL
LY2WW	14089	at	0550Z	
UQ2HO	21088	at	0918Z	
UM8NC	21087	at	0928Z	
FK8BK	14074	at	1000Z	ARQ
JX9CAA	14084	at	1606Z	
OD5SK	21086	at	1622Z	
EA9MY	21093	at	1636Z	

9Q5BG	21089	at	1656Z	

Monday 9:

LY2WW	21088	at	0200Z	
UM8MU	14087	at	0210Z	
RB5QV	14082	at	0257Z	
EA9MY	14083	at	0830Z	
UG7GWY	14088	at	0835Z	
UT5RP	21074	at	1134Z	ARQ/Note
SV0GB	14088	at	1606Z	

Tuesday 10:

LY2WW	21087	at	0053Z	
EA9MY	14083	at	0144Z	
J39BS	14091	at	0154Z	
AL7BB	14091	at	0300Z	
RB5QV	14084	at	0338Z	
FK8BK	14074	at	0500Z	ARQ
PJ2MI	14074	at	1000Z	ARQ
HK0BKX	21088	at	1604Z	Note

Wednesday 11:

IS0GDM	14086	at	0515Z	
EA9MY	14083	at	0518Z	
UZ3AYR	14090	at	0526Z	
5N8ALE	14075	at	0552Z	ARQ
BV4QA	14084	at	1241Z	
FK8BK	14074	at	1250Z	ARQ
TA3D	14088	at	1650Z	
EA6ZP	14095	at	1654Z	
VQ9RB	28078	at	1700Z	QSL
YL1WW	21088	at	2314Z	

Thursday 12:

VQ9RB	21093	at	0013Z	
HK4CYR	21083	at	0148Z	
UZ3AXJ	14091	at	0150Z	RBBS/Note
UA4WGW	14089	at	0200Z	QSL
YL1WW	14091	at	2306Z	

QSL Information:

YL20LSF will QSL via YL1WW.

5N0ETP says to QSL all Russian calls to UA9QCQ and all other calls to N6QCQ, which is his home call. (Note from KT7H: Did I miss something here?)

Continued in part 3.
/EX
SB RTTYDX @ ALLUSA $RTDX0715
RTTY DX Notes, 3of3, 7/13/90

RTTY DX Notes for Weekending 13th June 1990.
Part 3 of 3.
BID: $RTDX0715

VQ9RB (formerly S79D) requests cards via WA4DPU, or otherwise you might try Dick Barnes, c/o Ford Aerospace Corp, NAV SUPPFAC, Box 55 FPO San Francisco, CA 96685-2000 USA.

UA4WGW cards go via Box 3113, Izhevsk 426006 USSR.

VK9LI says to QSL via VK2SG. Cards have been printed and should be in the post in a week or so, we hope.

Notes Of Interest:

UT5RP, Dima, has his IC720 repaired and is now on AMTOR ARQ and is looking for contacts. He may be the first Russian station to use that mode.

VQ9RB is Diego Garcia on Chagos Islands. He will be there for some time, and should be very active.

UZ3AXJ is a Russian bulletin board station, which is new for the Russians. This may be the first BBS from the USSR. At the moment he is beaconing.

The HK0 station is on San Andres, not Malpelo Island.

6W6JX will be active from C53, signing C53/6W6JX from August 9th to 23rd.

Now for the bad news. Ron, ZL1AMO, who has helped a lot of people obtain some of the rare South Pacific islands, proceeded to the Solomon Islands to operate from there, but unfortunately his equipment has disappeared somewhere along the way. Ron is asking for assistance to acquire new gear. If anyone is willing to help Ron, contact him at his home address.

GL DE DX1 (VK2SG) AT TG9VT.

Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA. Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.
/EX

--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From -8171302566575622849
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9a1f32ec966adf3f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-18 03:59:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.UUCP (Constructive Frivolling)
Newsgroups: rec.ham-radio
Subject: direct vs bureau QSLing
Keywords: good old ARRL
Message-ID: <34233@ut-emx.UUCP>
Date: 18 Jul 90 05:54:45 GMT
Organization: The University of Texas at Austin, Austin, Texas
Lines: 49
Posted: Wed Jul 18 06:54:45 1990

Patty Winter N6BIS (winter@apple.com) says:

>>....And I'd like to hear from Derek, Tad, etc. about the
>>relative success of direct vs. buro QSLs. My impression is that
>>the former is more reliable.

I haven't done the statistics properly, but I get at least a 90% return rate sending cards direct (they can still take up to a year), and if I really want a card this is the way I go. I haven't checked my return rate using the bureau, it's much lower (about 30% probably). Basically, I send a card via the bureau if I'd like one in return but won't lose any sleep if I don't get it.

Bureau statistics are hard to calculate, really. If you work a contest and call CQ for a weekend, you will get a lot of cards asking for yours, from stations that you wouldn't have asked for a card - so I'm not sure how you count those in the statistics.   I never harbor ill feelings towards anyone who doesn't reply to a bureau card, but I never forgive someone who doesn't reply when I send a card direct with $$ or IRCs :-)

Jim AD1C mentioned keeping a list of known "non-QSLers", I think that is a great idea. None of the DX mags seems to be brave enough to do it (and some cards don't come back for all sorts of reasons, not just the refusal of the DX station to do anything about it).   I have exchanged such info with Jims AD1C and K6ZH, Patty and other Fine Usenetters, and would be happy to hear others' experiences.

One thing I do to encourage a reply is to put in a short note thanking the person for the QSO, and telling them why I would like a card ("first Albanian on 2 meters", or "I'm collecting calls that spell rude words", whatever). When I decided to be patriotic and get a W.A.S., I put in a note to each person explaining that this was why I wanted would like a card (of course, I sent an SASE too), and I think I got close to a 90% return rate on those domestic cards too.

While the bureau takes time, it's the only sane way to amass the cards you need for some awards, or just for friendly card exchanges. The cost of ARRL membership is worth it for the bureau facilities alone. Those fine folks who volunteer their time at the incoming bureaus deserve our thanks, too! And as they say, "QSL sure via buro" (right.......).

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From -5787401311412825607
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d2bcdae3b7463a5c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-18 05:15:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!maverick.ksu.ksu.edu!rutgers!att!cbnewsj!k2ph
From: k2ph@cbnewsj.att.com (The QRPer)
Newsgroups: rec.ham-radio
Subject: Re: Equipment question.
Keywords: Heathkit
Message-ID: <1990Jul18.045204.12071@cbnewsj.att.com>
Date: 18 Jul 90 04:52:04 GMT
References: <2428@plx.UUCP>
Organization: QRM Central
Lines: 60
Posted: Wed Jul 18 05:52:04 1990

In article <2428@plx.UUCP>, sharpe@plx.UUCP (Dave Sharpe) writes:

```
>
>     I have acquired the following list of Heathkit tube type HAM radio
>     gear and I would like to know what it is, when it was made, and
>     where I can get a hold of the receiver to complete the set.
>
>       Antenna coupler...model AC-1
>       VFO...............model VF-1
>       Transmitter.......model AT-1
>
>     73
>     David W. Sharpe kc6fcc
>     sun!plx!sharpe
```

Dave,

I was looking fondly through a September 1955 CQ Magazine and found those items advertised in the two-page Heathkit spread. Lessee... the AC-1 antenna coupler was to properly match your end-fed long wire antenna to your low power transmitter. It had a tapped inductor and variable "condenser" as well as a neon RF indicator and was good for up to 75 watts on 10 through 80 meters. Here's a scream: it sold for $14.50 in 1955!

The VF-1 VFO was a newly introduced model featuring 3 basic oscillator bands, but calibrated for 7 bands, 160 through 10 meters, including 11 meters. Used a 6AU6 in an electron-coupled Clapp oscillator circuit with an 0A2 voltage regulator tube. The price: $19.50.

The AT-1 was for 80 through 10 meters (including 11 meters, of course) and ran as much as 35 watts input. It used a 6AG7 oscillator-multiplier, a 6L6 amplifier-doubler, and a 5U4G rectifier. The price: $29.50.

In the same advertisement, Heath showed an AR-2 communications receiver (I assume it replaced the AR-1). This was a six-tube receiver covering 535 Kc. to 35 Mc. with an electrical bandspread scale "for tuning and logging convenience." It used a 12BE6 mixer-oscillator, 12BA6 IF amplifier, 12AV6 detector-AVC-audio, 12BA6 BFO, 12A6 beam power output tube for audio output, and the ever popular 5Y3GT rectifier. The price: $25.50. By the way, instead of metal it used a proxylin impregnated fabric cover plywood cabinet. Only cost $4.50 extra.

I love reading through these old magazines... I was two years old when this was published. Still makes me an OF, though!

This was a great issue--announced the very first Worked All Europe DX Contest. Had a substitute country list for USSR Call areas. DL7 West Berlin substituted for Estonia, SM1 Gotland substituted for Lithuania, OZ Bornholm Island substituted for Latvia, etc. Wonderful reading.

```
--
========================================================================
Bob Schreibmaier K2PH  | UUCP: att!oblivion!k2ph or k2ph@oblivion.att.com
AT&T Bell Laboratories | ARPA: k2ph%oblivion@att.arpa
Lincroft, N.J. 07738   | ICBM: 40o21'N, 74o8'W
```

```
From -7516475179276380682
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61fb74aac6d32f4a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-18 07:22:29 PST
Path: gmdzi!unido!mcsun!uunet!motcid!svec
From: svec@motcid.UUCP (Larry Svec)
Newsgroups: rec.ham-radio
```

Subject: Radio on 24hrs a day/Reliability/DTMF Decoder/etc
Message-ID: <4185@feldspar2.UUCP>
Date: 18 Jul 90 14:22:29 GMT
Organization: Motorola Inc. - Cellular Infrastructure Div., Arlington Heights, IL 60004
Lines: 28
Posted: Wed Jul 18 15:22:29 1990
Summary:

Myself & Don (WD9DMP) recently finished building a DTMF Decoder
squelch project. The intent is to put it on our 2 Meter Base Station
(Mobile or scanner) 24hrs a day to keep it quiet except when
obviously, the right tone sequence is sent to open the squelch.

Several sky-warn repeaters in the area seem to send out
a single 9-digit (I think it is a nine) at the start of nets
(either during bad weather or weekly nets)
(Is there any universal digit (eg. 9) used for such things as sky-warn?)

We were discussing what the general reliability impacts
are on a radio that is left on in receive all the time over the years?
Perhaps someone using a 2M Mobile as a remote repeater receiver has some
comments... I have a few choices of radio to put it on, the top 2 being
the preferred choices:
A Midland 13-505 2M crystal mobile
A Standard Horizon/2 2M Crystal mobile
A Kenwood 7730 synthesized mobile (low on my list since I would
rather sacrafice one of the two crystal radios)
A Bearcat BC210XL Scanner

Any comments or your experience in what tends to fail (if anything)
would be appreciated.
--
Larry Svec - KD9OF (good in 1987 or newer callbooks)
home: 708-526-1256
work: 708-632-5259 fax: 708-632-2413, -3741
e-mail: uunet!motcid!svecl

From 3504400673688587800
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1372ba158a7da535,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-18 07:29:15 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!rutgers!usc!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!hpsadle!mikef
From: mikef@hpsadle.HP.COM (Mike Ferrara)
Newsgroups: rec.ham-radio
Subject: So, what's YOUR favorite surplus place?
Message-ID: <1530047@hpsadle.HP.COM>
Date: 18 Jul 90 00:50:59 GMT
Organization: HP Signal Analysis Division - Rohnert Park, CA
Lines: 18

Posted: Wed Jul 18 01:50:59 1990

Being relatively new to California, I need help finding those gems
in the rough ... good surplus outfits. I'm particularly interested
in the San Francisco Bay Area, but get down to LA occasionally, and would
like to get pointers to them, as well. So, what's YOUR favorite surplus
place? I'd like info on whether they're mostly RF/Analog, Computer, or
Scrap Metal (for antennas, of course). Many thanks in advance ...
I'll post a summary if I get enough responses.

-mike, WA2ZPQ

Mike Ferrara M/S 2LRR
HP Signal Analysis Div R&D
1212 Valley House Drive
Rohnert Park, CA 94928
(707) 794-4479
mikef%hpsadle@hp-sde.sde.hp.com
mikef@hpsadle.hp.com

From -2491008176006811580
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc07198dd56f7e99
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-18 07:46:16 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!rice!cs.utexas.edu!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpcc01!hpcuhb!hpda!hpcupt1!holly
From: holly@hpcupt1.HP.COM (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: World Radiosport Team Championship
Message-ID: <7120127@hpcupt1.HP.COM>
Date: 17 Jul 90 19:38:35 GMT
References: <31781@cup.portal.com>
Organization: Hewlett Packard, Cupertino
Lines: 20
Posted: Tue Jul 17 20:38:35 1990

From July 1990 CQ:

Multipliers are US, VE, and JA call areas. Multipliers count per band/mode.

Scoring: QSO points times multipliers.
credit 50 pts. for WRTC stations(signing /WG),
3 points for different continent
2 points for same continent/different country
1 point in same country
CW QSO's 2X QSO point multiplier.

As I read it, you can only get 31? multipliers per band times 5 bands (80-10)
for a total of 310 multipliers. This times the point score for QSO's plus
the credit for the /WG stations. You can only work a station once per band.

Therefore the /WG stations will be working more than one US station per band/mode, but only the first counts for the multiplier.

Jim, WA6SDM
jholly@hpcupt1.hp.com

From 2021590836243524175
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5606acdf117c5316
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-18 07:47:26 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!ulysses!wmb
From: wmb@ulysses.att.com (W M Brelsford)
Newsgroups: rec.ham-radio
Subject: Re: alternate phonetic alphabets
Summary: yet another list..
Message-ID: <13428@ulysses.att.com>
Date: 18 Jul 90 11:52:27 GMT
References: <22480005@hpcuha.HP.COM> <27087@netnews.upenn.edu>
Organization: AT&T, Basking Ridge NJ
Lines: 14
Posted: Wed Jul 18 12:52:27 1990

My favorite list (source long forgotten) includes:

Aye
Cue
Ell
See
You

E.g., "Name here is Casey, cue aye see ell you.."

Bill Brelsford, K2DI
AT&T, Basking Ridge NJ
wmb@joplin.att.com

From -794003296016343895
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8820cebbdd1f5d6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-18 08:27:41 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!rice!cs.utexas.edu!usc!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!hpsadle!mikef
From: mikef@hpsadle.HP.COM (Mike Ferrara)
Newsgroups: rec.ham-radio
Subject: Re: TECHNICAL HAMS - Where are You?!
Message-ID: <1530048@hpsadle.HP.COM>

Date: 18 Jul 90 00:53:10 GMT
References: <4018@cocoa46.UUCP>
Organization: HP Signal Analysis Division - Rohnert Park, CA
Lines: 12
Posted: Wed Jul 18 01:53:10 1990

Hey, count me in ... here's my e-mail address:

-mike, WA2ZPQ

Mike Ferrara M/S 2LRR
HP Signal Analysis Div R&D
1212 Valley House Drive
Rohnert Park, CA 94928
(707) 794-4479
mikef%hpsadle@hp-sde.sde.hp.com
mikef@hpsadle.hp.com

From 4360579922041096800
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,41cc7efe8edcf1db,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-18 10:07:16 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!ROSEVC.Rose-Hulman.EDU!DERRY
From: DERRY@ROSEVC.Rose-Hulman.EDU
Newsgroups: rec.ham-radio
Subject: Lat & Long Listings
Message-ID: <625E3F0A241F401390@ROSEVC.Rose-Hulman.Edu>
Date: 18 Jul 90 15:32:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Wed Jul 18 16:32:00 1990

The Rand-McNally road atlas has small, almost invisible, lat and long information on each state map. I use an old version and have drawn on the 1 x 2 degree grids. I obtained much lat & long infor for my HP-28S program from this atlas.
Also the World Almanac has a page of these data for major cities of the world.

73 de K9CUN

From 2052828270843261095
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d2cb91e034dd8a3c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-18 10:08:38 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com

Newsgroups: rec.ham-radio
Subject: NP2 calls
Message-ID: <9007181309.AA21400@tilde>
Date: 18 Jul 90 13:09:25 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Wed Jul 18 14:09:25 1990

Has anyone had a qso with an NP2? I worked one recently and can't find the prefix in my callbook.

Thanks and 73,
Dube Todd

From -1222647704240043000
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9a1f32ec966adf3f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-18 10:15:55 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!ricks.enet.dec.com!reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: Re: direct vs bureau QSLing
Message-ID: <13588@shlump.nac.dec.com>
Date: 18 Jul 90 15:45:11 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 32
Posted: Wed Jul 18 16:45:11 1990

In article <34233@ut-emx.UUCP>, Derek, AA5BT (oo7@ut-emx.UUCP) writes...
>
> One thing I do to encourage a reply is to put in a short note thanking
>the person for the QSO, and telling them why I would like a card ("first
>Albanian on 2 meters", or "I'm collecting calls that spell rude words",
>whatever). When I decided to be patriotic and get a W.A.S., I put in a
>note to each person explaining that this was why I wanted would like a
>card (of course, I sent an SASE too), and I think I got close to a 90%
>return rate on those domestic cards too.

Well, this sounds like a good idea. Maybe if I put notes in with my cards, I'll be able to improve my return rate from 65% to 90%. Wow, that's impressive!

I just got a card from VK9TR yesterday (via VK5FG) which had a two sentence note on the back thanking me for the QSO. It was a nice touch. I was hoping it was going to be a sked for CW, which I asked Trevor about when I worked him, but he couldn't oblige. Now with the automation of the weather station, it looks like it might be a long time before I work Willis on CW (should have asked VK9ZG when I worked him 10 years ago).

73, jim AD1C

=-=

"The opinions expressed here in no way represent the views of Digital
 Equipment Corporation."

James J. Reisert   Internet: reisert@ricks.enet.dec.com
Digital Equipment Corp.   UUCP: ...decwrl!ricks.enet!reisert
77 Reed Road
Hudson, MA 01749-2895

```
From -7755245272481860198
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a358e50b3f03467a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-18 11:07:02 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!know!samsung!sdd.hp.com!hplabs!hpda!
hpcupt1!holly
From: holly@hpcupt1.HP.COM (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: ARRL/QSL bureaus
Message-ID: <7120128@hpcupt1.HP.COM>
Date: 18 Jul 90 18:07:02 GMT
References: <1990Jul17.182130.26397@ecn.purdue.edu>
Organization: Hewlett Packard, Cupertino
Lines: 4
Posted: Wed Jul 18 19:07:02 1990
```

I have an interest.
Jim,WA6SDM
jholly@hpcupt1.hp.com
WA6SDM@N6LD

```
From -7240987533169442409
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f4285b9aa5630ddb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-18 11:59:46 PST
Path: gmdzi!unido!mcsun!uunet!cos!hqda-ai!media!csense!bote
From: bote@csense.uucp (John Boteler)
Newsgroups: rec.ham-radio
Subject: Oddball repeater frequencies
Message-ID: <1990Jul18.185946.331@csense.uucp>
Date: 18 Jul 90 18:59:46 GMT
References: <7500022@hpfcso.HP.COM>
Organization: Common Sense Computing, McLean, VA.
Lines: 24
Posted: Wed Jul 18 19:59:46 1990
```

From article <7500022@hpfcso.HP.COM>, by ron@hpfcso.HP.COM (Ron Miller):
>>
>> Should have said old fart memory on; it is 31/91 :) :)
>
> Geez! I guess memory *IS* the second thing to go! :-)))
>
> Well, how about this- "Oh brrrrr. I remember when 146.94 was a SIMPLEX
> frequency !"
>
> Is that better? :-)   (I still have the 94/94 xtals in my TR-22)

Better yet, check in on the 146.76 repeater in Jessup, Maryland
and ask Gary Hendrickson about the history of that repeater.

He'll proceed to tell you "This is one of the oldest repeaters
in the area...it used to be on 34/76 in the early days..."

Bet that caused some interesting problems when 34/94 turned on
in Baltimore, 10 miles up the road. :?

--
John Boteler   {uunet | ka3ovk}!media!csense!bote
NCN NudesLine: 703-241-BARE -- VOICE only, Touch-Tone (TM) accessible

From 2911378660712536555
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11544f,9b396b1398ba5f21,start
X-Google-Attributes: gid11544f,public
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,9b396b1398ba5f21,start
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1990-07-18 12:09:52 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Wayne and Byte...
Summary: Wayne, Wayne, Wayne...
Message-ID: <918@ssc.UUCP>
Date: 18 Jul 90 19:09:52 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com>
<1990Jul16.203833.20955@cbnewsh.att.com>
Organization: very little
Lines: 33
Posted: Wed Jul 18 20:09:52 1990

In article <1990Jul16.203833.20955@cbnewsh.att.com>, mrb1@cbnewsh.att.com
(maurice.r.baker) writes:
> In article <910@ssc.UUCP>, tad@ssc.UUCP (Tad Cook) writes:
> >
> > You ought to read some of the trial transcripts for a good laugh. There

> > was a book published when he was running for Vice President of the United
> > States called "Run Wayne Run" detailing some of his more outrageous exploits.
>
> Could someone post the full details on this book, i.e., author, publisher,
> date of publication, etc? I'd really like to get a copy!

It was published privately by the husband of Wayne's ex-wife, and has
been available from time to time at Dayton and other hamfests. I got
mine mail order through an ad in the back of DX Magazine. I will try
to find my copy and get the address of the publisher.

>
> I've never seen it listed in 73 under the Uncle Wayne's Bookshop (or whatever
> it's called) advertisement :-)

You WON'T find it there!

>

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 7332821655014461918
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc07198dd56f7e99
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,da82cd1ea281f7e6
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1990-07-18 12:24:49 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: World Radiosport Team Championship
Summary: rules, WRTC, CQWW
Keywords: HF contest, 7/20/90
Message-ID: <919@ssc.UUCP>
Date: 18 Jul 90 19:24:49 GMT
References: <913@ssc.UUCP> <43035@apple.Apple.COM>
Organization: very little
Lines: 36
Posted: Wed Jul 18 20:24:49 1990

In article <43035@apple.Apple.COM>, winter@Apple.COM (Patricia Winter) writes:
> In article <913@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:

> >2 pts. same continent, different country.
> >2x pts each CW QSO.
> >Multipliers: US, VE, JA call areas, DXCC countries, WRTC stations.
> >Scoring: QSO points x multipliers = final score.
>
>
> With all the interest being generated within the United States about
> this contest (such as by packet messages like the ones you posted :-)),
> it seems unfortunate that once a Seattle contest station has worked
> each of the 10 U.S. call areas, no further stateside QSOs will count
> for anything.

I see your point. This sounds to me like the rules for the CQWW DX
test, where you can get multipliers by working other USA stations for
zone credits. Once you have them, you don't need other domestic
stations. Of course, the difference here is that the official teams
are worth a lot more to everyone.

OOPS!

I just got off the phone with Homer Spence, K7RA who is on the committee.
He tells me that the teams operate under different rules than the
rest of us, since they are essentially only competing with each other.
I am not sure how many points the teams get for working USA stations,
but USA stations each get a point for working other USA stations.

>
Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad

From -3105887131229341049
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10fe4c,884420e587fcdc8b,start
X-Google-Attributes: gid10fe4c,public
X-Google-Thread: 10c9e3,fc07198dd56f7e99
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-18 12:29:10 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: World Radiosport Team Championship
Summary: error!
Keywords: HF contest, 7/20/90
Message-ID: <920@ssc.UUCP>
Date: 18 Jul 90 19:29:10 GMT
References: <913@ssc.UUCP> <43035@apple.Apple.COM>
Organization: very little

Lines: 15
Posted: Wed Jul 18 20:29:10 1990

Thanks to Patty, I just found a problem with my postings of the
rules for WRTC. You DO get 1 point each for working stations
in your OWN country, unlike other DX contests!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -8493561310225728591
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a1355fa408d71a4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-18 12:58:40 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!ucsd!ames!uhccux!virtue!
comp.vuw.ac.nz!conrad
From: Conrad.Bullock@comp.vuw.ac.nz (Conrad Bullock)
Newsgroups: rec.ham-radio
Subject: <None>
Message-ID: <1990Jul18.065656.21881@comp.vuw.ac.nz>
Date: 18 Jul 90 06:56:56 GMT
Sender: news@comp.vuw.ac.nz (News Admin)
Reply-To: conrad@comp.vuw.ac.nz (Conrad Bullock)
Organization: Dept. of Comp. Sci., Victoria Uni. of Wellington, New Zealand.
Lines: 12
Posted: Wed Jul 18 07:56:56 1990

Can anyone help me out with any mods to the AOR 900 handheld scanner. It
came with a little bit of paper saying that some frequencies were
restricted for use in the USA, but I'm not operating it in the USA!

Anyway, is there an archive of all these radio mods anywhere?

Thanks,

```
Conrad Bullock                      | Domain:   conrad@comp.vuw.ac.nz
Victoria University of Wellington,  |     or:   conrad@actrix.co.nz
New Zealand.                        | Fidonet:  3:771/100
                                    | BBS:      The Cave BBS +64 4 643429
```

From 4181774847591657053

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10fe4c,5b4f0b60552ed228,start
X-Google-Attributes: gid10fe4c,public
X-Google-Thread: 10c9e3,5b4f0b60552ed228,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-18 13:23:07 PST
Path: gmdzi!unido!mcsun!uunet!midway!ncar!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!aplcen!wb3ffv!howardl
From: howardl@wb3ffv.ampr.org (WB3FFV)
Newsgroups: rec.ham-radio,alt.bbs
Subject: How to access the Amateur Radio BBS...
Keywords: ham amateur radio bbs
Message-ID: <3686@wb3ffv.ampr.org>
Date: 18 Jul 90 20:23:07 GMT
Followup-To: poster
Organization: Advanced Business Solutions - Baltimore , MD
Lines: 64
Xref: gmdzi rec.ham-radio:13008 alt.bbs:1120
Posted: Wed Jul 18 21:23:07 1990

+---+

HOW TO ACCESS THE WB3FFV AMATEUR RADIO TELEPHONE BBS !!!

I have placed a BBS system on-line that is mainly oriented towards the Amateur Community (but there is other stuff on-line). As of now I have not attempted to promote this system any place except in the amateur channels (PACKET, USENET, & word of mouth), and will continue under this policy, as I hope to keep it oriented toward amateur radio. The various software for UP/DOWNload is available via telephone dialup and Packet TCP/IP, and through user support I hope to keep the latest and greatest ham software on-line. Below is the information that is needed in order to access the BBS via Telephone -or- TCP/IP, please pass it around to as many ham's as possible.

System Name: WB3FFV
User Login: bbs
Number: (301)-625-0817 -- 1200 & 2400 (Non-MNP)
Number: (301)-625-9482 -- 1200 & 2400 (MNP5), 4800 & 9600 V.32 (V.42/MNP5)
Number: (301)-625-9663 -- 1200 & 2400 (MNP5), 9600 & 19200 (PEP)
Data Settings: 8 Bits, NO Parity, 1 Stop Bit
Times: 24hrs/365days (except for routine maintenance)
Software: XBBS (UNIX/Xenix Multiuser BBS)
IP Address: 44.60.0.1 {wb3ffv.ampr.org} [for FTP access on 145.550 mhz ONLY]
Misc. Info: Machine is an 80386 computer running UNIX V.3.2 and features 700 Meg of on-line storage. Most transfer protocols are available!!

I attempt to keep the latest and greatest HAM software on-line, and encourage all to upload anything new that they come up with, as it is of benefit to all. Here is a sample of a couple pieces of software that is available for DOWNLOAD:

 KA9Q TCP/IP Software for the PC (Latest OFFICIAL release + TEST Versions)
 KA9Q TCP/IP for the Atari-ST, MAC, & Amiga
 KA9Q TCP/IP for UNIX based systems
 KA9Q TCP/IP (The NOS release)
 WA7MBL BBS for the PC (Versions 3.31, 4.31 & 5.12)
 W0RLI BBS for the PC (Versions 6.xx, 7.xx, 8.xx, 9.xx, 10.xx)
 MSYS BBS for the PC running KISS TNC's (Version 1.07 & 1.08)
 Various BBS utilities and enhancements
 Several MORSE CODE Tutors
 TheNet software by NORD><LINK (Version 1.01)
 Modifications for many HAM Rigs and Scanners
 Digital Signal Processing software (DSP)
 DX and contesting programs
 ARRL Newsletters & Gateway
 W5YI Electronic Edition

There is much more available on the BBS, and I don't want to waste a lot of PACKET BBS space trying to list it all, so if you are interested give it a call and see for yourself !!!

If you are interested in using UUCP to connect to the BBS, this can also be done as I support Anon-uucp. The login to the system is 'uucpanon', and there is NO password. The listing of avalible archives are stored in a file called 'FILES', and it is located in the /usr/spool/uucppublic. To retrieve the files listing just use the following command:

```
uucp wb3ffv!~/FILES /usr/spool/uucppublic
```

This will move a copy of my files listing into your uucppublic directory. If you have any questions or problems, feel free to contact me at one of the numbers/adresses below. Good Luck...

From -8232578428665644105
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,be9fe4647bc6e60b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-18 15:55:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Intermodulation
Message-ID: <7880191@hpfcdc.HP.COM>
Date: 18 Jul 90 22:55:00 GMT
References: <3907@rodan.acs.syr.edu>
Organization: HP Ft. Collins, Co.
Lines: 24
Posted: Wed Jul 18 23:55:00 1990

Re: intermodulation, in this case the Yaesu FT411

I called the 800 number posted recently to get the scoop. After numerous busy signals and no-answers, I learned:

The factory modification corrects an intermodulation problem. It changes the IF from 17.3 MHz to 21.0 MHz. Why? The FT411 does not contain varactor tuning because "it's harder to fix, and apparently was cheaper to build it without that feature". (A quote from the guy I talked with: "They're designed and manufactured in Japan, we just sell them here.") Hence the FT411 has a wide RF front end, about 28 MHz, and a higher than usual IF, 17.3 MHz, to "push" image frequencies out of the front end band.

Unfortunately, the IF is just right for a repeater at 145.250 MHz to swamp 162.550, a common weather channel, through intermods. This was the case in Indianapolis, where a powerful wide-area repeater interfered with receiving weather radio channel 1.

Searching my (Colorad) frequencies database for deltas of 17.3 MHz (plus or minus 5 Khz), I found surprisingly few conflicts. Send me mail if you want details. Based on this list and the fact that the sensitivity is pretty terrible out of band anyway, I don't think I'll give up my radio for a month to have the IF changed...

From 4639047993625729007
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d1ec9a777de455,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,8d1ec9a777de455,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-07-18 19:09:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!rutgers!att!tsdiag!ka2qhd!ka2raf
From: ka2raf@ka2qhd.UUCP (Chris Crosby KA2RAF)
Newsgroups: rec.ham-radio,rec.ham-radio.swap
Subject: VOX Circuit Needed
Keywords: WANTED *simple*/*NEW* technology, not circa 1970
Message-ID: <323@ka2qhd.UUCP>
Date: 19 Jul 90 02:09:34 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 16
Xref: gmdzi rec.ham-radio:13089 rec.ham-radio.swap:516
Posted: Thu Jul 19 03:09:34 1990

I am in need of a modern, simple VOX circuit. The last circuit I located was vintage 1980 and I would hope there is something simpler than 8 transistors! Maybe a couple of IC's ??? If you have any circuits of recent vintage for VOX circuits, I would like to see it. I need this circuit for keying a transmitter from an external command receiver (scanner). Supply voltage of 12VDC and 12VDC relay to key PTT.
If you could send me a photocopy or give me a reference, I

would appreciate it. I can be contacted at KA2RAF@NN2Z.NJ or at the
following postal address:

Chris Crosby KA2RAF
P.O.Box 1286
Lakewood, NJ 08701

Thanks, 73 de Chris

From 5823363840021706209
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c5f049de4b6d5ae,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-18 19:17:26 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!voder!pyramid!prls!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Philippines
Keywords: welfare traffic
Message-ID: <103961@philabs.Philips.Com>
Date: 19 Jul 90 02:17:26 GMT
Sender: news@philabs.Philips.Com
Lines: 23
Posted: Thu Jul 19 03:17:26 1990

copied from packet:
From: N1API@N1API.CT.USA.NA
To: ALL@ARL

ZCZC AG31
QST DE W1AW
ARRL BULLETIN 23 ARLB023
FROM ARRL HEADQUARTERS
NEWINGTON CT JULY 17 1990
TO ALL RADIO AMATEURS

THE PACIFIC SECTION MANAGER HAS REPORTED THE EXISTENCE OF LOCAL AND REGIONAL AMATEUR RADIO ACTIVITY IN THE PHILIPPINES AND THAT 14 MHZ NETS HAVE BEEN ACTIVATED IN THE PACIFIC BASIN TO ADDRESS INTERNATIONAL RELIEF COMMUNICATIONS NEEDS. AMATEURS SHOULD AVOID TRANSMITTING ON EMERGENCY NET FREQUENCIES EXCEPT AT THE DIRECTION OF NET CONTROL STATIONS.

ACCORDING TO THE AMERICAN RED CROSS, INTERNATIONAL PUBLIC TELEPHONE SERVICE IS OPERATIONAL, BUT AT REDUCED CAPABILITY. AT PRESENT, THE RED CROSS MORATORIUM ON DISASTER WELFARE INQUIRIES CONTINUES IN EFFECT.
NNNN

From -152266903152341045
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,48a0f9da6ab29636,start

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,48a0f9da6ab29636,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-07-18 19:28:04 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!voder!pyramid!prls!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio.packet,rec.ham-radio
Subject: clover HF data mode schematics
Message-ID: <103962@philabs.Philips.Com>
Date: 19 Jul 90 02:28:04 GMT
Sender: news@philabs.Philips.Com
Lines: 18
Xref: gmdzi rec.ham-radio.packet:2562 rec.ham-radio:13039
Posted: Thu Jul 19 03:28:04 1990

copied from packet:

```
 Msg# TSF  Size #Rd  Date  Time From   MsgID        To
30599 BF   1453   1 06-Jul 2020 W7GHM  15033_N7IIJ  CLOVER@NYNET ()
  Sb: +++SCHEMATICS AVAILABLE+++
```

A set of schematic diagrams which will enable home builders to construct a
frequency-stable, ultra-selective receiver and matching exciter which meets
the requirements of the CLOVER h.f. data mode, can be obtained for a SASE.
The design is for a single frequency on 30 meters, which will be the
location of the first Clover network.
See the July issue of QEX magazine for a description of the Clover mode.

Send SASE to:
Ray Petit, W7GHM,
P.O. Box 51,
Oak Harbor, Wa. 98277, USA.

73, Ray W7GHM @ N7IIJ.WA.USA.NA

From 8431660592346292077
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-18 21:28:04 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Airwave Wars
Message-ID: <2727@anasaz.UUCP>
Date: 19 Jul 90 04:28:04 GMT
References: <1990Jul18.215248.11497@bellcore-2.bellcore.com>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 22
Posted: Thu Jul 19 05:28:04 1990

In article <1990Jul18.215248.11497@bellcore-2.bellcore.com>
karn@thumper.bellcore.com writes:
]Be sure to see the cover story "AIRWAVE WARS" on the July 23, 1990
]Business week. The article begins by describing the UPS/ARRL battle
]over 220 MHz.
]
]In fact, this article should scare the hell out of any amateur
]concerned about the future of the service.

I didn't think it was that bad. It seemed to assume that amateur radio
frequencies should be protected (using the national park analogy).
This in an article that doesn't even assume protection for VHF TV.
I was disappointed that they didn't mention the emergency use of
ham radio.

On this other hand, if one has not been reading the net or the ham
press, the concept of auctioning spectrum could come as a bit of a shock.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326   Wishful Thinking: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From 6855932831941461605
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 04:13:56 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!aplcen!unmvax!ariel.unm.edu!hydra.unm.edu!ee5391aa
From: ee5391aa@hydra.unm.edu (Duke McMullan n5gax)
Newsgroups: rec.ham-radio
Subject: Re: Wayne and Byte...
Message-ID: <1990Jul18.162438.28432@ariel.unm.edu>
Date: 18 Jul 90 16:24:38 GMT
References: <3721@altos86.Altos.COM> <910@ssc.UUCP> <.9G&SP@splut.conmicro.com>
Sender: usenet@ariel.unm.edu (USENET News System)
Organization: University of New Mexico, Albuquerque
Lines: 17
Posted: Wed Jul 18 17:24:38 1990

In article <.9G&SP@splut.conmicro.com> jay@splut.conmicro.com (Jay "you
ignorant splut!" Maynard) writes:
>In article <910@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>>[...] when [Wayne Green] was running for Vice President of the United
>>States [...]
>Tad, are you serious? When was this? Who'd run with him?

Why, Jessie Jackson, of course.   Jackson would run with ANYONE...well, maybe.

Those two are as close as two peas in a...boxcar.

d

--
"Peace is hell." -- Skyler
Duke McMullan n5gax nss13429r phon505-255-4642 ee5391aa@hydra.unm.edu

From 7150446539756304223
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 05:11:49 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: John Sculley (Was Wayne Green, state of ham radio, etc.)
Message-ID: <1990Jul18.175904.10700@bellcore-2.bellcore.com>
Date: 18 Jul 90 17:59:04 GMT
References: <42871@apple.Apple.COM> <896@ssc.UUCP> <42965@apple.Apple.COM> <6597@helios.TAMU.EDU>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 18
Posted: Wed Jul 18 18:59:04 1990

In article <6597@helios.TAMU.EDU>, billg@cs.tamu.edu (William Gunshannon) writes:
|> Does anyone remember the old Popular Electronics??

Yes! I would read my issues religiously, until the pages began to fall out.

|> Does anyone remember their recepticle for anecdotes called "Just when I
|> forgot my soldering iron!"

I assume you mean their contest for the best reason why the applicant should receive a free soldering iron. To this day I remember two of the winning entries. One wanted to solder a resistor to his kitchen stove. ("I always wanted to have an ohm on the range.") I think the other wanted to do something to his wife. She kept asking "Wire you insulate?" when he'd get home at night...

Phil

From 2697223712314865005
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3cd6d00a7ba53ce7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 05:25:09 PST

Path: gmdzi!unido!mcsun!ukc!stl!iclbra!prs
From: prs@oasis.icl.stc.co.uk (Pete Swynford)
Newsgroups: rec.ham-radio
Subject: FT 470 mods - help please
Keywords: VHF hand held
Message-ID: <538@ozz.oasis.icl.stc.co.uk>
Date: 18 Jul 90 17:04:01 GMT
Distribution: eunet
Organization: International Computers Limited, Bracknell, UK
Lines: 16
Posted: Wed Jul 18 18:04:01 1990

Hello readers...

I own a Yaesu FT470 VHF/UHF hand-held. It covers the European frequencies
144-146 & 430-440 MHz. I'd like to extend the coverage so that it can be
used on other frequencies if I go abroad (eg upto 148 MHz).
I know there are a number of mods available.
Has anyone got precise details ??

73 Pete.
--
Pete Swynford is available... tel: +44 (344) 424842 x 2625
or at prs@oasis.icl.stc.co.uk / ..!uunet!mcsun!ukc!iclbra!prs / g6zyt@gb7rdg
Disclaimer: See Paragraph 2.4.a of section 1.a (article 7) (iii) of the
            Town and Country Planning Act, 1967.

From 4608352883737982756
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 06:36:40 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!purdue!haven!decuac!
shlump.nac.dec.com!ryn.esg.dec.com!ultnix!taber
From: taber@ultnix.enet.dec.com (Patrick Taber)
Newsgroups: rec.ham-radio
Subject: Re: Airwave Wars
Message-ID: <2243@ryn.esg.dec.com>
Date: 19 Jul 90 13:36:40 GMT
References: <1990Jul18.215248.11497@bellcore-2.bellcore.com>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick Taber)
Organization: Murder Inc.
Lines: 29
Posted: Thu Jul 19 14:36:40 1990

>
> Among the interesting tidbits is the following quoted from the sidebar
> on page 51: "In the first nine months of 1988, the California Highway

> Patrol logged 200,000 calls to its 911 emergency number from drivers
> using cellular phones." Food for thought to those who tout the
> emergency/public service aspects of amateur radio.
>
> In fact, this article should scare the hell out of any amateur
> concerned about the future of the service.

Maybe I don't scare easy, or maybe I believe you use the right tool for the right job. I don't forsee a lot of cellular phones being used to coordinate races, public events, etc. It can be done -- but to get the level of service you need would be expensive. The right tool in this case is something that doesn't get billed by the minute and allows contacting multiple stations at one time. I.E. radio until something better comes along.

Besides, the sidebar apparently doesn't mention that the number of crank calls from cellular phones has the emergency services ripping their hair out, "He cut me off! I had to slam on my breaks! This is his license number, I'm following him right now, and I want a car out here to arrest him pronto!"

>>>==>PStJTT
Patrick St. Joseph Teahan Taber

My employer doesn't care what I think. I, in turn, don't care what you think. You probably don't care what my empolyer thinks. Thus is life a circle.

From -532744919174250040
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2bbeadeac9b9be2e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 07:37:41 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: ?: RFI from a Hercules Card
Message-ID: <1990Jul18.183653.10889@bellcore-2.bellcore.com>
Date: 18 Jul 90 18:36:53 GMT
References: <350@texsun.Central.Sun.COM>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 46
Posted: Wed Jul 18 19:36:53 1990

In article <350@texsun.Central.Sun.COM>, mwester@sunbird.central.sun.com writes:
>I just replaced my PC in the shack with an old original IBM PC... all is well,
>except the Hercules graphics card generates boatloads of crud on 147.555 Mhz.

Chances are, much of the RFI is coming out of your monitor. It could be that the reason the problem didn't start until you went to the Hercules card is because your earlier card operated on a somewhat different set of scan frequencies. The RFI was still there, but you didn't notice it because it was on another frequency.

The early IBM monochrome monitors (and especially their Korean clones) radiate lots of video all over the HF band. The first thing you should do is to isolate the source of the radiation. In my case, clearing the screen reduced the noise level considerably. This told me that video, not sync pulses or deflection oscillators, was the problem. Turning down the contrast control (essentially a video gain knob) also reduced the RFI considerably, but the brightness control (which controls DC bias on a CRT grid) had no effect. This told me that the radiation was coming from the video output stage, but not from the CRT beam itself. (The video output stage is just after the contrast control).

The +70V power lead that runs from the main PC board up to the video output stage on the base of the CRT turned out to be the big offender. I replaced it with a short section of RG-174 coax, grounded the shield to the main PC board ground and added a bypass cap on the load end. This took care of much of the noise, but some was still left. I then coated the inside of the cabinet with GC Nickel Print paint and added a power line filter. These didn't seem to do much. But then I added a coax braid sheath over the video cable from the PC and grounded it to the cabinets at both end. The remaining RFI virtually disappeared.

The fact that I didn't see any reduction when I added the paint and the AC line filter doesn't mean they didn't do any good; they might have been blocking RFI paths that were being swamped at the time by another, stronger source (e.g., the monitor drive cable.) What I recommend is that you start with the easy steps and work toward the harder ones until the RFI is down to an acceptable level.

The newer monitors, especially the better color monitors (e.g., my NEC Multisync 3D) are MUCH better for RFI. A look inside shows why: metal shields, ferrite beads, the works. The older monitors had essentially no RFI measures at all.

Phil

From 7573612739441095563
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1e64fe7313d2cf1f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 07:38:03 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!elroy.jpl.nasa.gov!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: Leap second
Message-ID: <25997@usc.edu>
Date: 18 Jul 90 19:41:25 GMT
References: <9007171447.AA23953@ucsd.edu>

Sender: news@usc.edu
Organization: EE-Systems, USC, Los Angeles
Lines: 10
Posted: Wed Jul 18 20:41:25 1990

In article <9007171447.AA23953@ucsd.edu> kak@CYGX3.USNO.NAVY.MIL writes:

```
>                 1990 December 31,   23h 59m 59s
>                 1990 December 31,   23h 59m 60s
>                 1991 January   1,    0h  0m  0s
```

This means that many more people will know about it, because the news media will be sure to mention it during their new year's eve party programs.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From -2214039539448531245
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6131342faaaee59
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 07:42:55 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!elroy.jpl.nasa.gov!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: DSP Mania and books
Keywords: DSP Theory modems implementation
Message-ID: <25998@usc.edu>
Date: 18 Jul 90 19:57:42 GMT
References: <748@idacrd.UUCP>
Sender: news@usc.edu
Organization: EE-Systems, USC, Los Angeles
Lines: 12
Posted: Wed Jul 18 20:57:42 1990

In article <748@idacrd.UUCP> mac@idacrd.UUCP (Robert McGwier) writes:
>Many people send me notes asking what DSP texts should be considered for an
>introduction.

I ignore them when they want a text without any math, because you can't really understand DSP without having a firm background in Fourier Transforms, Z Transforms, etc. I'd like to recommend the classic textbook "Digital Signal Processing" by Oppenheim and Schaffer. We didn't use this in my class, however; we used the book by Stanley, Dougherty, and Dougherty.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From 6755114615101844826
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-07-19 10:22:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!watserv1!watcgl!awpaeth
From: awpaeth@watcgl.waterloo.edu (Alan Wm Paeth)
Newsgroups: rec.ham-radio
Subject: The Old Popular Electronics (Re: John Sculley, Wayne Green...)
Message-ID: <1990Jul18.191515.21376@watcgl.waterloo.edu>
Date: 18 Jul 90 19:15:15 GMT
References: <42871@apple.Apple.COM> <896@ssc.UUCP> <42965@apple.Apple.COM> <6597@helios.TAMU.EDU> <1990Jul18.175904.10700@bellcore-2.bellcore.com>
Organization: University of Waterloo
Lines: 25
Posted: Wed Jul 18 20:15:15 1990

Phil Karn (karn@thumper.bellcore.com) writes:

[Does anyone remember the old Popular Electronics??]

>Yes! I would read my issues religiously, until the pages began to fall out...
>...I assume you mean their contest for the best reason why the applicant
>should receive a free soldering iron. To this day I remember two of
>the winning entries. One wanted to solder a resistor to his kitchen
>stove. ("I always wanted to have an ohm on the range.") I think the
>other wanted to do something to his wife. She kept asking "Wire you
>insulate?" when he'd get home at night...
>

That was from about the '64 issue, when I started reading. Also:

"Heptode" : n. A cool frog.
"World Series": All the D-cells in the universe wired together.

And not to miss the final pun, it was:

"HENRY! Wire you insulate!"

/Alan Paeth
Computer Graphics Laboratory
University of Waterloo

From 2489882856371800544
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8215f9caee77859e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 11:57:41 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!uwm.edu!rutgers!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Airwave Wars
Message-ID: <1990Jul18.215248.11497@bellcore-2.bellcore.com>
Date: 18 Jul 90 21:52:48 GMT

Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 14
Posted: Wed Jul 18 22:52:48 1990

Be sure to see the cover story "AIRWAVE WARS" on the July 23, 1990 Business week. The article begins by describing the UPS/ARRL battle over 220 MHz.

Among the interesting tidbits is the following quoted from the sidebar on page 51: "In the first nine months of 1988, the California Highway Patrol logged 200,000 calls to its 911 emergency number from drivers using cellular phones." Food for thought to those who tout the emergency/public service aspects of amateur radio.

In fact, this article should scare the hell out of any amateur concerned about the future of the service.

Phil

From -6127294548130961022
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,895fd0dc629f9fd6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 12:01:59 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!usc!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: QSL help, please?
Summary: Marvin searches previous callsigns, too
Keywords: marvin, old calls
Message-ID: <43135@apple.Apple.COM>
Date: 19 Jul 90 01:09:06 GMT
References: <10245.26a04458@ecs.umass.edu>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 24
Posted: Thu Jul 19 02:09:06 1990

In article <10245.26a04458@ecs.umass.edu> lkay@ecs.umass.edu writes:
>I'm trying to QSL an old contact with N7DKX.
>Somewhere in a CB between 84-89 his new address/callsign change must be
>listed. I'm closing up my 5BWAS and WY contacts are so hard to come by. Help!

I thought Devon might have pointed this out by now, but since he hasn't...

He programmed the marvin callsign server to search on the "previous call" field as well as the current one when you enter a callsign. So if the call you're seeking has been held at any time within the last few years, the server will find out.

What I don't know is how long the FCC keeps the previous-call info. Maybe some of you who've changed callsigns in the past few years can experiment and figure it out. (And then let us know.)

Patty

```
--
***************************************************************************
Patty Winter N6BIS                     INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                  UUCP: {decwrl,nsc,sun}!apple!winter
***************************************************************************
```

From 6603536012900585104
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1035ce0e36c0b9c7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 13:57:06 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!texbell!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: YAESU FT1000 or KENWOOD TS950S
Message-ID: <4HJ&FH+@splut.conmicro.com>
Date: 19 Jul 90 00:46:12 GMT
References: <900717-062708-5294@Xerox>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 46
Posted: Thu Jul 19 01:46:12 1990

In article <900717-062708-5294@Xerox> "Paul_Adler.NEROSM"@XEROX.COM writes:
>I am planning to buy a new rig. Does anyone have any comments or
>experience with the YAESU FT1000 (basic model) or KENWOOD TS950S (without
>DPS option)?

One of the nice things about belonging to the Johnson Space Center ARC is getting to play with the radios the manufacturers have loaned the club for the SAREX mission. We have a 950SD, an IC781, and an FT1000. (No, I don't know if the 950 has the DPS [DSP?] options, but it does have the "Digital Frequency Synthesizer" label on the front.)

All three radios do just peachy fuzzy on the air; about the only difference I've noticed in my playing around is that the 950 doesn't do full breakin CW quite as well - the receiver has an annoying thump as you let off the key, and sounds a lot choppier as a result. Neither the 781 nor the FT1000 have this problem. All three have good, sensitive receivers that don't get overloaded easily.

The 950 has more useful metering than the other two; it has two bargraph meters shared between four functions, while the others have a single meter and a switch. The 781's spectrum scope is nice, but it takes a little learning to read.

Operationally, I like the FT1000 over the 950. (Those are tough words for a Kenwood bigot.) The controls are better placed and better laid out, and generally more useful. The second receiver/split VFO on the FT1000 has its own tuning knob, something the 950 lacks. It's also more intuitively obvious how to set up the radio.

On something that expen$ive, I'd strongly recommend spending a couple of hours, minimum, playing with them before you plunk down your money; failing that, at least get a return agreement. They're complex radios, and it takes a while to familiarize yourself with them - and longer yet to where operating them becomes second nature.

This account is somewhat disjointed, admittedly, and it's based on somewhat fuzzy recollections of operating each radio for a few hours. Caveat emptor. Your mileage may vary. Not valid in Ohio or where prohibited. Read the Prospectus before signing anything. Prices slightly higher in Alaska. :-)

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
"It's a hardware bug!" "It's a      +--------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_
```

From 6351981856589479713
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,715d6eeafa9a84ee,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 14:06:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Communicator License Frequencies
Message-ID: <9007190347.AA12165@cmr.ncsl.nist.gov>
Date: 19 Jul 90 03:47:48 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 15
Posted: Thu Jul 19 04:47:48 1990

Phil Karn says:

> Those who support no-code privileges only above 220 MHz sound a lot like
> people who say they're all in favor of equal housing rights, as long
> as nobody moves into THEIR neighborhood...

me: ... or maybe they see Communicators as a way to get occupancy on the higher bands before we lose them all. We don't need 99% of all VHF operators concentrated on 2-m FM.
"We gave you the no-code Communicator class because you said it would bring in people who would populate the microwave bands. Now N years have passed

and all the Communicators are on 2-m FM, and the 220-and-up ham bands are
still as empty as ever."
What would your answer be, Phil?

73, Bob W3OTC

From -5670069701578535705
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,41d85e67ef677d0c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 14:10:59 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!usc!ucsd!ucbvax!
cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: NP2 Call
Message-ID: <9007190152.AA13697@tilde>
Date: 19 Jul 90 01:52:42 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Thu Jul 19 02:52:42 1990

Thanks to everyone who gave me the information that NP2 is the prefix for the
Virgin Islands. I couldn't find it under the "2's" in my US callbook.
Someone (Bill Gunshannon, I believe) mentioned using the marvin server; a
source I had forgotten about.

Thanks again, all.

73,
Dube Todd   N5PDK

From -5717078591868210639
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,526395f460ea9371
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 14:11:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!zaphod.mps.ohio-state.edu!usc!
cs.utexas.edu!tut.cis.ohio-state.edu!uc!shamash!vtcqa
From: vtcqa@shamash.cdc.com (VTC)
Newsgroups: rec.ham-radio
Subject: Re: Awesome Code system
Keywords: phoentics international morse code
Message-ID: <23573@shamash.cdc.com>
Date: 19 Jul 90 04:33:45 GMT
References: <23475@shamash.cdc.com> <635@ghp.UUCP>
Reply-To: vtcqa@shamash.UUCP (Jeff Comstock - VTC)
Followup-To: rec.ham-radio
Organization: NR0D Packet Radio
Lines: 45

Posted: Thu Jul 19 05:33:45 1990

In article <635@ghp.UUCP> jim@ghp.UUCP (Jim Stewart) writes:
>In article <23475@shamash.cdc.com> vtcqa@shamash.cdc.com (VTC) writes:
>
>>... The instructor was
>>Bob Schoeing, W0BE, and he had the whole class doing code in 7
>>days ! (!!!!). It worked on phoenetics. I have lost the entire alphabet,
>>and would like to get it, since I have bragged to a few people that I will
>>have them pass the code test in 2 weeks (like Bob had us do). If you know
>>what this is, you might have the whole alphabet - PLEASE send it to me:
>
>
>I had an uncle that taught me bits of the code using:
>
>   V - intro to Beethoven's 5th (??)
>   Q - intro to he comes the bride
>
>Is this what you meant? Post it if you get the whole set,
>even though I'm not a code person, it sounds interesting--
>based on the way I learned the above two letters.
>--
>Jim Stewart, VE3SRJ
>UUCP: jim%ghp@mnetor.uucp
>BELL: (416)862-0430

Hey - that is a good idea too. One thing though, when you heard di-di-di-dah, you would think 'Beethovens Fifth'. Then you would have to remember that somehow that 'mapped' to the international character V. Using Bob's method, di-di-di-dah would conjure up 'Victory Vee' in your mind, and automatically you would know it was a V.

Jumping ahead - I don't know how fast you can go by translating the phoenetics to the characters. But this I guarentee - by the time you know the whole alpahbet - you no longer hear di-di-di-dah, then think of the phoenetic, then translate that to the character. After about a week, when you hear di-di-di-dah you will automagically write down 'V' with no further processing by your brain. It really does work. I got my novice ticket using this method, and after two years was up to 18 WPM. I then let my liscense expire. That was about 1975. Suddenly in 1985 I decided I wanted to be an amateur again. I remembered the code so well that I walked out of my first test session with credit for the 20 WPM code test and an advanced class ticket.
I thought that I would have to start over again learning the code, but to my surprise was doing 20 wpm no problem after a 10 year lapse in use of the international code.

Jeff - NR0D

From -1046381046563155775
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,715d6eeafa9a84ee
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-07-19 14:12:23 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!rutgers!bellcore-2!thumper!karn
From: karn@thumper..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Communicator License Frequencies
Message-ID: <1990Jul19.050427.12730@bellcore-2.bellcore.com>
Date: 19 Jul 90 05:04:27 GMT
References: <9007190347.AA12165@cmr.ncsl.nist.gov>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 19
Posted: Thu Jul 19 06:04:27 1990

In article <9007190347.AA12165@cmr.ncsl.nist.gov> rc@CMR.NCSL.NIST.GOV (Robert Carpenter) writes:

>"We gave you the no-code Communicator class because you said it would bring
>in people who would populate the microwave bands. Now N years have passed
>and all the Communicators are on 2-m FM, and the 220-and-up ham bands are
>still as empty as ever."
>What would your answer be, Phil?

"It's obvious that it's time for all of us (Communicator and otherwise) to move on up to the higher bands to relieve the congestion on 2m. And perhaps we might even try some new ways of allocating spectrum on 2m so we can relieve the congestion there."

As the old saying goes, necessity is the mother of invention. But I'd rather the necessity come in the form of new amateurs (i.e., Communicators) than because most of our bands were no longer assigned to the amateur service. If you think 2m is crowded now, try scanning the land mobile bands.

Phil

From -1121126783864201003
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,63de5d8539a98bb6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 15:47:44 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!TOPS20.RADC.AF.MIL!POPYACK
From: POPYACK@TOPS20.RADC.AF.MIL
Newsgroups: rec.ham-radio
Subject: Reliability of Rigs left on
Message-ID: <12606912053.10.POPYACK@TOPS20.RADC.AF.MIL>
Date: 19 Jul 90 13:16:14 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 21
Posted: Thu Jul 19 14:16:14 1990

Reliability of electronic devices decreases with temperature cycling, vibration, and other environmential stresses. Also, the reliability of the parts used to build your radio play a significant part in the trouble free lifetime of your radio.

Temperature cycling is probably one of the biggest causes of equipment failure.

Either leave the equipment ON or leave it OFF for the maximum life. I own a repeater is left on all the time. Never have any problems with it (other than me mistuning it once in a while, hi).

Watch other factors which may destroy your equipment -- over temperature conditions (sunlight from a window), high humidity (basements), vibration, over voltage power supplies (under too), transients, static discharges (dry weather carpet walkers club), lightning, corrosive environments, and extreme cold.

I don't think you will have a problem leaving your rig on all the time (unless it is a heathkit)....
73 WF2V Len

From -4380695613130851562
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,224e8511320bfef1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 15:55:02 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!bcm!rice!cs.utexas.edu!usc!ucsd!ucbvax!SACEMNET.AF.MIL!lwrclmr
From: lwrclmr@SACEMNET.AF.MIL ("LWRCLMR")
Newsgroups: rec.ham-radio
Subject: Old Fart memories
Message-ID: <9007191123.AA10696@ucsd.edu>
Date: 19 Jul 90 11:15:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18
Posted: Thu Jul 19 12:15:00 1990

A recent posting mentioned an old fart who remembered when 146.94 was a SIMPLEX frequency.

How about the old 34/76 repeaters?
How about when repeater IDers were made from a clock motor turning a gear with the teeth filed off activating a micro switch to a tube oscillator?
Remember when you could drive from coast to coast with a two channel radio (94/94 and 34/94) and work a repeater in almost every town with hams?
How about whistle acess for repeaters?
And my favorite, pre-"new repeater rules" machines called super repeaters by most on mountaintops with multiple receivers, 250 watts out, and hundred+ mile range?

Yes, those were the good old days of 2m FM.

73,
Michael WA7SKG
Old FART (Fathers Against Radical Teenagers)

From 511487000325396860
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,22c71ef7cc4e3b6d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 16:30:29 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Truncated INFO-HAMS Digests
Message-ID: <9007191412.AA13039@cmr.ncsl.nist.gov>
Date: 19 Jul 90 14:12:58 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
     formerly National Bureau of Standards
Lines: 3
Posted: Thu Jul 19 15:12:58 1990

Are other people receiving INFO-HAMS digest with many lines missing at the
end? Things just stop in mid-message.
Bob W3OTC

From -3209276690616097401
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9ea81d82a7a94d65,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 18:11:39 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!SUN.COM!buaas
From: buaas@SUN.COM (Robert Buass - Contrator)
Newsgroups: rec.ham-radio
Subject: HP117A Schematic
Message-ID: <9007191359.AA14824@Sun.COM>
Date: 19 Jul 90 13:59:57 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4
Posted: Thu Jul 19 14:59:57 1990

Does anyone out there have in their microfiche archive a tech manual for
the HP117A, a 20+ year old VLF receiver? a paper copy would very much
be appreciated. we have already tried most of the obvious places.
thanks in advance/bob K6KGS

From -6001241132054142215
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,895fd0dc629f9fd6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 18:14:46 PST
Path: gmdzi!unido!mcsun!uunet!midway!ux1.cso.uiuc.edu!brutus.cs.uiuc.edu!wuarchive!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: QSL help, please?
Keywords: marvin, old calls
Message-ID: <6701@helios.TAMU.EDU>
Date: 19 Jul 90 15:40:00 GMT
References: <10245.26a04458@ecs.umass.edu> <43135@apple.Apple.COM>
Sender: usenet@helios.TAMU.EDU
Organization: Computer Science Department, Texas A&M University
Lines: 14
Posted: Thu Jul 19 16:40:00 1990

In article <43135@apple.Apple.COM> winter@Apple.COM (Patty Winter) writes:
>
>What I don't know is how long the FCC keeps the previous-call info. Maybe
>some of you who've changed callsigns in the past few years can experiment
>and figure it out. (And then let us know.)
>

Interestingly enough, they have my old call N2APY which I gave up
in 1980!! But they list it as having been ADVANCE CLASS. It was not.
It was GENERAL and I gave it up when I upgraded. I guess it's nice
that they keep the old info around, but it looks like even the FCC
database shouldn't be taken as gospel.

bill gunshannon   KB3YV (formerly N2APY, formerly DA1WO)

From -7400438994392849598
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc07198dd56f7e99
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-19 18:20:08 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!rice!uw-beaver!sumax!quick!amc-gw!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: World Radiosport Team Championship
Summary: yes!
Keywords: HF contest, 7/20/90
Message-ID: <922@ssc.UUCP>
Date: 19 Jul 90 06:56:11 GMT
References: <913@ssc.UUCP> <43035@apple.Apple.COM> <2494@unccvax.uncc.edu>
Organization: very little
Lines: 24
Posted: Thu Jul 19 07:56:11 1990

In article <2494@unccvax.uncc.edu>, cs00jmc@unccvax.uncc.edu (John Covington

WN4BBJ) writes:
> In article <43035@apple.Apple.COM> winter@Apple.COM (Patricia Winter) writes:
> >it seems unfortunate that once a Seattle contest station has worked
> >each of the 10 U.S. call areas, no further stateside QSOs will count
> >for anything.
> >
>
> What?? I believe you get QSO points for EVERY QSO (1 for phone, 2 for CW,
> more for DX or WG stations).

You are correct. My original bulletin on this left out the fact that
you still get a point for working your own country.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 131624433569301851
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,abe11cd284f72b66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 07:13:00 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!rutgers!ucsd!ucbvax!ARO-EMH1.ARMY.MIL!tom
From: tom@ARO-EMH1.ARMY.MIL ("T-DOLIGALSKI")
Newsgroups: rec.ham-radio
Subject: Which Rig is Best??
Message-ID: <9007161140.AA08701@ucsd.edu>
Date: 16 Jul 90 11:32:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6
Posted: Mon Jul 16 12:32:00 1990

I own both the Yaesu and the Icom, and much prefer the Yaesu.
It's only drawback is its lousy out-of-band receive sensitivity,
which (for me) is a non-issue. Size-wise they compare well: you
really need to carry the extra battery for the Icom. I prefer the
features of the Yaesu.
Tom, N9CGD

From 169410156976830937
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,5606acdf117c5316
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 07:30:19 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: alternate phonetic alphabets
Message-ID: <6596@helios.TAMU.EDU>
Date: 16 Jul 90 12:39:40 GMT
References: <22480005@hpcuha.HP.COM> <27087@netnews.upenn.edu>
Sender: usenet@helios.TAMU.EDU
Organization: Computer Science Department, Texas A&M University
Lines: 26
Posted: Mon Jul 16 13:39:40 1990

In article <27087@netnews.upenn.edu> depolo@eniac.seas.upenn.edu.UUCP (Jeff
DePolo) writes:
>The ones that use geographic names are particularly useful.  It's pretty
>hard to make "America" sound like anything other than "America", regardless
>of the accent.  At least to me it is.  Here's a slightly expanded list
>of some of the more common ones I hear on a regular basis.

But the same isn't necessarily true if you are the person with the
heavy accent.

>F Frank, Fox, Frequency         S Santiago, Spain

This is the line I was waiting for.
Spain is only valid to english speaking people.  Others don't call it that.
In germany it is Espana (sp?) and when I lived over there I saw a few cases
of the pen moving faster than the thought processes.  A person would say
"Washington 3 Norway Spain Italy" and the guy on the receiving end would
write, without realizing it, "W3NEI".  Because people in the US learn so
little about their neighbors in the rest of the world, we tend to assume
they do everything the same as we do.  Unfortunately (for us) they don't.
I can give you  other examples but I hope by now you get the point.  Using
anything other than legitimate standards for international communications
is just asking for a misunderstanding.  Keep that in mind when you send in
your QSL for Albania and the QSL Manager says "sorry, your not in the logs."


bill  KB3YV



From -2955340374823953233
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eafe7914517c3d81
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 07:32:54 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!snorkelwacker!husc6!bunny!dhp1
From: dhp1@GTE.COM (David Pascoe)
Newsgroups: rec.ham-radio
Subject: Re: Dual-band comments wanted
```

Summary: TM-701A
Message-ID: <9464@bunny.GTE.COM>
Date: 16 Jul 90 11:02:55 GMT
References: <24965.26a0f28d@kuhub.cc.ukans.edu>
Organization: GTE Laboratories, Inc., Waltham, MA
Lines: 28
Posted: Mon Jul 16 12:02:55 1990

In article <24965.26a0f28d@kuhub.cc.ukans.edu>, baxter@kuhub.cc.ukans.edu writes:
> I'd like to solicit comments from current users of dual-bander radios
> (2meter/440) on their feelings about the model of radio they are using

I own a Kenwood TM-701A dual-band mobile radio and think it is great. The sensitivity and selectivity are excellent and the microprocessor control functions are fairly intuitive....Kenwood made use of a function key to keep the size of the radio down while providing lots of functionality. Some functions require you to hit the F key before the function and others require you to hold the F key down for two seconds and then select the function.

There is a modification available to make the 701 a cross-band simplex repeater.

The TM-701A is a cost-effective dual-bander when you compare its cost to the other alternatives (TM-731A and other brands, e.g. Icom, etc.).

Good luck /73

```
--
Dave Pascoe KM3T/1       |  Internet: pascoe@edcd.gte.com
(617) 455-5704           |            dhp1@gte.com
                         |            km3t@jjmhome.m2c.org
                         |      UUCP: ....!gte.com!edcd.dnet!pascoe
```

From 2209715224559137718
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 08:25:19 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!helios!billg
From: billg@cs.tamu.edu (William Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: John Sculley (Was Wayne Green, state of ham radio, etc.)
Message-ID: <6597@helios.TAMU.EDU>
Date: 16 Jul 90 12:49:30 GMT
References: <42871@apple.Apple.COM> <896@ssc.UUCP> <42965@apple.Apple.COM>
Sender: usenet@helios.TAMU.EDU
Organization: Computer Science Department, Texas A&M University
Lines: 18

Posted: Mon Jul 16 13:49:30 1990

In article <42965@apple.Apple.COM> winter@Apple.COM (Patty Winter) writes:
>
>p.s. That story about Wayne Green visiting Steve and Steve in The Garage
>sounds awfully apochryphal. Can anyone (except Wayne) verify it?

As long as we're bringing up anecdotes about the founding fathers of the
micro-computer revolution, here's my entry:

Does anyone remember the old Popular Electronics??
Does anyone remember their recepticle for anecdotes called "Just when I
forgot my soldering iron!"
Does anyone remember that one of the entries was from Steve Wozniak!!

I don't remember the issue or the anecdote off hand, but if enough people
call me a liar, I still have all of them and could probably find it if
forced to. :-) :-)

bill   KB3YV

From 2787001826736479023
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,de28f2054ceb3650,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 08:30:42 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!elroy.jpl.nasa.gov!decwrl!
bacchus.pa.dec.com!shlump.nac.dec.com!select.enet.dec.com!magid
From: magid@select.enet.dec.com (Joel Magid...)
Newsgroups: rec.ham-radio
Subject: My Comments (official) Sent to the FCC
Message-ID: <13466@shlump.nac.dec.com>
Date: 16 Jul 90 12:52:17 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 62
Posted: Mon Jul 16 13:52:17 1990

Before the
Federal Communications Commission
Washington, D. C. 20554

In the matter of   )
)
Amendment of Part 97 of the   )   PR Docket 90-55
Commission's Rules Concerning   )
the Establishment of a Codeless   )
Class of Amateur Operator License   )

To: The Commission

COMMENTS OF Joel M. Magid
47 Drumlin Hill Road
Groton Mass.
01450

1. These comments are written in support for the creation of a Communicator Class License.

2. The following is a proposal for such a class and its privileges in addition to changes in the current structure of other licenses.

Extra Class	Elements 2,3a,3b,4a,4b,	20 WPM - code
Advanced Class	Elements 2,3a,3b,4a,	13 WPM - code
General Class	Elements 2,3a,3b,	10 WPM - code
Technician Class	Elements 2,3a,	5 WPM - code
Communicator Class	Elements 2,3a	

No new Novice Class licenses would be issued although ALL current licenses must be grandfathered for current Novices not wishing to upgrade. It also must be noted here that any changes to a current class not effect the member of that class already licensed.

No re-allocation of privileges is proposed here for any class at this time.

The Communicator Class privileges are proposed as follows:

All current amateur privileges above 50 Mhz. As the only difference in this class .vs. the Technician is the code speed of 5 WPM I believe the privileges afforded the Communicator above 50 Mhz be the same.

ALL exams shall come under the direction of the current VEC system.

The exam for the Communicator Class shall have 30 questions derived from the current pool of elements 2 and 3a that would be applicable to the operation of stations in this class.

ALL current certificates of completion must still be honored until their expiration.

Call signs for the Communicator Class shall come from the current group D allocations.

3. The rationale for this proposal is that we can now offer the use of a codeless class of license to those who desire it. It would be now allow a single entry point into the service as well with the reduction of the code speed to 10 WPM from the current 13 WPM in the General Class an incentive for all to upgrade their current licenses.

From -5761984570696825793
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d2bcdae3b7463a5c

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 08:36:55 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!pt.cs.cmu.edu!dsl.pitt.edu!pitt!w2xo!durham
From: durham@w2xo.UUCP (Jim Durham)
Newsgroups: rec.ham-radio
Subject: Re: Equipment question.
Message-ID: <122@w2xo.UUCP>
Date: 16 Jul 90 15:36:55 GMT
References: <2428@plx.UUCP>
Organization: J. Durham Computing, Gibsonia,PA.
Lines: 32
Posted: Mon Jul 16 16:36:55 1990

>
> I have acquired the following list of Heathkit tube type HAM radio
> gear and I would like to know what it is, when it was made, and
>
> Antenna coupler...model AC-1
> VFO...............model VF-1
> Transmitter.......model AT-1
>

I started in Ham Radio with an AT-1 in 1954. The AT-1 is a 6ag7
oscillator/buffer (it's a buffer when you use a VFO), a 6l6 final
amplifier which *doubles* in the final on most bands, with link
coupled output(fixed). The power output of the AT-1 is about 25
watts on a good day on 80 meters and about 5 watts on 10 meters.
You could plate modulate the AT-1 via an octal socket on the rear
apron of the chasis. The power supply was self-contained, with
a conventional transformer and 5u4 combination.
The VF-1 is a one-tube VFO that steals power from another octal
socket on the back of the AT-1 and plugs into the xtal socket using
one of those "300 ohm" twin lead plugs. It is basically identical to
the vfo in the DX-100 (remember the DX-100?).
I once used an AR-1, but never built one. It is a lousy receiver.
I remember a slide-rule dial and a circuit basically like a standard
5-tube AM broadcast set of the era. We actually did maintain communications
with this thing, but it was pretty crude.
I never saw or used an AC-1.

I may have a manual for the VF-1. I sold mine long ago but evidently
didn't supply the manual with it.

-73
Jim, W2XO

From 6454385863773408789
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5606acdf117c5316
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 09:43:43 PST

```
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!
dsinc!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Re: alternate phonetic alphabets
Message-ID: <27133@netnews.upenn.edu>
Date: 16 Jul 90 13:45:28 GMT
References: <22480005@hpcuha.HP.COM> <27087@netnews.upenn.edu>
<6596@helios.TAMU.EDU>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu.UUCP (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 34
Posted: Mon Jul 16 14:45:28 1990

In article <6596@helios.TAMU.EDU> billg@cs.tamu.edu (William Gunshannon) writes:
>But the same isn't necessarily true if you are the person with the
>heavy accent.
>
>>F Frank, Fox, Frequency        S Santiago, Spain
>
>This is the line I was waiting for.
>Spain is only valid to english speaking people.  Others don't call it that.
[deleted stuff]
>Keep that in mind when you send in
>your QSL for Albania and the QSL Manager says "sorry, your not in the logs."
>
>bill  KB3YV
                                                                         _
I realize that Spain is probably useless - in Spanish it's Espana.  That
one is probably a bad example - I was just naming a few of the ones
I've heard, and said I preferred _some_of them, Spain definately not being
one of them. However, I have heard it used by DX stations in countries
where English is not customarily the common language.  Why, I don't know.

By the way, already have a card from Albania  ;-)

QRZ DX from Nasty Three Kinky Zebra

                                 --- Jeff




+----------------------+-----------------------------------------------------+
| Jeff DePolo N3HBZ/AA  | Internet: depolo@eniac.seas.upenn.edu                |
| Univ. of Pennsylvania | RF: 146.685- 224.40- 442.70+ 144.455s (Philadelpia) |
| Computer Science Eng. | Twisted pair: (215) 386-7199 home                    |
|     Class of 1991     | Carrier pigeon: 420 South 42nd St. Philly, PA 19104 |
+----------------------+-----------------------------------------------------+


From -7695941634116764992
X-Google-Language: ENGLISH,ASCII-7-bit
```

X-Google-Thread: 1152b8,bfb76500a14a2d55,start
X-Google-Attributes: gid1152b8,public
X-Google-Thread: 10c9e3,bfb76500a14a2d55,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 101376,bfb76500a14a2d55,start
X-Google-Attributes: gid101376,public
X-Google-ArrivalTime: 1990-07-16 09:46:03 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!yale!mintaka!bloom-beacon!aviator
From: aviator@athena.mit.edu (Joakim Karlsson)
Newsgroups: rec.aviation,misc.emerg-services,rec.ham-radio
Subject: Civil Air Patrol Information Transfer Alias
Message-ID: <1990Jul16.141630.25788@athena.mit.edu>
Date: 16 Jul 90 14:16:30 GMT
Sender: daemon@athena.mit.edu (Mr Background)
Followup-To: rec.aviation
Organization: Flight Transportation Associates, Cambridge, MA
Lines: 39
Xref: gmdzi rec.aviation:5373 misc.emerg-services:198 rec.ham-radio:12925
Posted: Mon Jul 16 15:16:30 1990

Those of you that requested to be on the Civil Air Patrol mailing list should have received a test issue of CAPITAL - Civil Air Patrol Information Transfer Alias. If you are interested in being added to this mailing list, please send your name, rank, callsign, squadron name, charter no, squadron location, and preferred e-mail address to aviator@athena.mit.edu. If you are already on the mailing list, and do not want to receive the newsletter, send a request to the same address.

Submissions on any CAP topic are welcome. Once again, same address applies.

Could the following people submit improved e-mail addresses to me:

Brian Boyter	boyter@fstc-chville.army.mil (Host unknown)
Jack Forman	jjf@mid.epps.kodak.com (Host unknown)
Gerry Baumgartner	gerry@ssd.csd.harris.com (Read error)
Ward Carpenter	wardc@orieneb.uunet.uu.net (Host unknown)
Carl Chalek	chalekc@crd.ge.com (User unknown)
Ken Gianino	ken@swbtatl.uucp (Host unknown)
Dale Gunn	dgunn@decwrl.dec.com (User unknown)
William Miner	billm@hpmtlbm.lvld.hp.com (Service unavailable)
Michael Heil	mheil@cupertin.portal.com (Unknown subdomain)

Any hints to reach these addresses from athena.mit.edu would be appreciated. I'll try as hard as possible to make sure everyone gets the newsletter.

Finally, if you have requested to be included on the mailing list, but did not receive CAPITAL, I'd like to hear from you.

My apologies for posting to three newsgroups - I expect everything to be set up and running smoothly soon.

...Joakim

--
Joakim Karlsson | aviator@athena.mit.edu
Flying Fanatic in Training | Flying Status: 26.1 hrs dual and counting.
                 "Oh, I have slipped the surly bonds of earth
                And danced the skies on laughter-silvered wings"

From 5591899352742222999
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,da95c474b07701c1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 10:17:29 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!bcm!rice!cs.utexas.edu!
uwm.edu!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!aspen!laubach
From: laubach@aspen.IAG.HP.COM (Mark Laubach)
Newsgroups: rec.ham-radio
Subject: Re: TH-76 comming soon?
Message-ID: <3080005@aspen.IAG.HP.COM>
Date: 16 Jul 90 17:17:29 GMT
References: <1140036@hprnd.HP.COM>
Organization: HP Information Architecture Group - Cupertino, CA
Lines: 8
Posted: Mon Jul 16 18:17:29 1990

When I bought my TH-26AT several months ago, I send a note off to Kenwood asking them if/when a TH-76AT model would be out. They did not reply [and I didn't think they would realy, but it was worth the letter], however they did send me a new products catalogs. Alas, the TH-75 was still there in the product line.

Mark, N3BMN

From -3329924809617527134
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,da95c474b07701c1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 10:39:49 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!maverick.ksu.ksu.edu!
zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcuhc!hpspcoi!mlau
From: mlau@hpspcoi.HP.COM (Mel Lau)
Newsgroups: rec.ham-radio
Subject: Re: TH-76 comming soon?
Message-ID: <860005@hpspcoi.HP.COM>
Date: 16 Jul 90 17:39:49 GMT
References: <1140036@hprnd.HP.COM>
Organization: HP PCG, Sunnyvale CA
Lines: 15
Posted: Mon Jul 16 18:39:49 1990

```
>/ hpspcoi:rec.ham-radio / billt@hprnd.HP.COM (Bill Thomas) /  9:24 am  Jul 12,
1990 /
>Does any know if Kenwood is going to come out with a small dual bander,
>such as a TH-76, which would compete with the Yaseu 411 and Icom 24sAT?
                                                     ^^^
                                                     470 ???

>
>I am looking for a 5W dual bander with cross band repeat capability and
>a receiver that can recieve the weather broadcasts at 162.5 MHz.
>
>The reason for Kenwood is our family has four hams, 3 TH-25ATs, and one
>IC-02AT. When our youngest gets his license, I would like to get a dual
>bander and give him one of the 25ATs. Therefore, Whatever I get should be
>able to use all the TH-25AT accessories such as the rapid charger.
>----------
```

From -3519944966456414142
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,743527a02744db7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 10:44:12 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!MCTGATE.MCT.ANL.GOV!Loren_Thompson
From: Loren_Thompson@MCTGATE.MCT.ANL.GOV (Loren Thompson)
Newsgroups: rec.ham-radio
Subject: RE>>FWD>Info-Hams Digest V1
Message-ID: <9007161547.AA16532@ucsd.edu>
Date: 16 Jul 90 17:36:22 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 392
Posted: Mon Jul 16 18:36:22 1990

Reply to: RE>>FWD>Info-Hams Digest V1 #17
just thought you might want the new numbers
actually it was an accident!

Date: 7/14/90
To: Loren Thompson
From: Chuck Beck
WHAT IS THE USE OF FORWARDING ME ALL THIS SHI#?

Date: 6/11/90
To: Chuck Beck
From: Loren Thompson
Info-Hams Digest   Sat, 9 Jun 90   Volume 90 : Issue 17

Today's Topics:

```
- Current NASA Prediction Bulletins #707 -
Alouette 1
1 00424U 62B-A  1 90143.97482870  .00000248  00000-0  28755-3 0  3260
2 00424  80.4630 309.9464 0023488 337.6047  22.4082 13.67348077379387
ATS 3
1 03029U 67111  A 90151.66034044 -.00000074  00000-0  99999-4 0  3820
2 03029  13.1859  21.3716 0015101 210.9434 148.9146  1.00272196 82623
Cosmos 398
1 04966U 71 16  A 90157.64682096  .00074385  17346-4  41232-3 0  9079
2 04966  51.5077 265.4854 2280288 127.3380 255.7838 11.04308279590535
Starlette
1 07646U 75010  A 90157.51573560  .00000167  00000-0  22642-3 0   815
2 07646  49.8225 200.6145 0203658 155.8244 205.2283 13.82144149774306
LAGEOS
1 08820U 76039  A 90155.11151443  .00000002  00000-0  00000 0 0   838
2 08820 109.8519 350.6475 0044611 240.8397 118.7855  6.38664271 73101
GPS-0001
1 10684U 78020  A 90155.47091011  .00000007  00000-0  99999-4 0  4327
2 10684  63.7236  89.9508 0117389 199.1014 160.4309  2.00556802 75598
GPS-0002
1 10893U 78 47  A 90154.94772732 -.00000025  00000-0  00000 0 0  1930
2 10893  64.3934 330.8205 0164724  26.0941 334.7260  2.00545329 88404
SeaSat 1
1 10967U 78064  A 90156.40757967  .00000773  00000-0  31024-3 0  3404
2 10967 108.0166 295.8371 0002359 246.4380 113.6480 14.35689827624769
GPS-0003
1 11054U 78093  A 90156.73194876 -.00000024  00000-0  00000 0 0  2331
2 11054  63.9214 327.0514 0060334 117.5287 243.0859  2.00567300 85453
Nimbus 7
1 11080U 78098  A 90150.23174242  .00000147  00000-0  16206-3 0  6775
2 11080  99.1974  55.5638 0009343 126.7484 233.4523 13.83434684585558
GPS-0004
1 11141U 78112  A 90156.33258608  .00000007  00000-0  00000 0 0  3858
2 11141  63.7439  89.8035 0060238 316.6931  42.8076  2.00557366 84141
GPS-0005
1 11690U 80 11  A 90155.47651219  .00000008  00000-0  00000 0 0  9832
2 11690  64.1721  91.9181 0119932 203.1963 156.2488  2.00555246 89985
GPS-0006
1 11783U 80 32  A 90154.78731032 -.00000024  00000-0  00000 0 0  1531
2 11783  63.7148 326.7147 0150709  60.8950 300.6108  2.00557638 74051
GOES 5
1 12472U 81049  A 90151.74245802 -.00000177  00000-0  99999-4 0  9351
2 12472   3.4380  76.1453 0004762 252.1896 106.8950  1.00148172 32068
DE 1
1 12624U 81 70  A 90154.94579701  .00000378  00000-0  17339-2 0  4473
2 12624  88.9352 148.0227 6202534 286.6997  17.0446  3.51021965261659
SME
1 12887U 81100  A 90157.36014481  .00021595  00000-0  38485-3 0  6849
2 12887  97.6363 204.1504 0003038  97.1878 262.9722 15.50125999479592
Salyut 7
1 13138U          90158.21426006  .00027475  00000-0  29800-3 0  3092
```

```
2 13138  51.6033 354.7111 0001640 169.8273 190.2785 15.63305589463296
Cosmos 1383
1 13301U 82 66  A 90148.93808898  .00000141  00000-0  15440-3 0  5770
2 13301  82.9274 314.8799 0026057 212.3583 147.5979 13.67828297395043
LandSat 4
1 13367U 82 72  A 90156.79860944  .00000407  00000-0  10031-3 0  3563
2 13367  98.1660 219.5506 0003824 148.8429 211.2997 14.57138558419645
IRAS
1 13777U 83  4  A 90151.04001392  .00000194  00000-0  15827-3 0  7791
2 13777  99.0258 348.1000 0013985  77.1669 283.1050 13.98784104 44549
Cosmos 1447
1 13916U 83 21  A 90149.04385117  .00000150  00000-0  14772-3 0  7275
2 13916  82.9436  26.2109 0036769 191.2634 168.7704 13.74041873360045
TDRS 1
1 13969U 83 26  B 90151.00000000  .00000128  00000-0  99999-4 0  9993
2 13969   4.4329  65.8056 0001047  18.4789 353.0624  1.00268768 92946
GOES 6
1 14050U 83 41  A 90153.89443675  .00000116  00000-0  99999-4 0  1854
2 14050   2.1661  78.6431 0000971 250.5098 108.2760  1.00290166 10126
OSCAR 10
1 14129U 83 58  B 90157.09033828 -.00000065  00000-0  00000 0 0  5274
2 14129  25.9956 200.7381 5958911 148.8920 266.8516  2.05881905 24509
GPS-0008
1 14189U 83 72  A 90157.31650164  .00000006  00000-0  99999-4 0  7691
2 14189  63.3537  88.2218 0147823 219.0765 139.8278  2.00705561 50544
LandSat 5
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2 14780  98.2062 217.0655 0000389  44.5431 315.5798 14.57109643333069
UoSat 2
1 14781U 84 21  B 90156.61567397  .00000860  00000-0  16760-3 0  7446
2 14781  97.9462 209.5469 0011698 287.2040  72.7880 14.65389143334278
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2 15039  63.0904  87.4927 0021045 238.5319 121.2408  2.00612209 43773
Cosmos 1574
1 15055U 84 62  A 90156.25712067  .00000146  00000-0  14569-3 0  8838
2 15055  82.9570  71.1067 0028672 359.6003   0.5121 13.73358060298433
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2 15271  63.2257 326.1849 0105519 327.2953  32.0527  2.00556131 40925
Cosmos 1602
1 15331U 84105  A 90157.11218551  .00002269  00000-0  30916-3 0  3059
2 15331  82.5405  11.1834 0024076  13.0630 347.1115 14.78130265306456
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1 15427U 84123  A 90156.71989706  .00000163  00000-0  10956-3 0  5894
2 15427  99.1664 156.2832 0016025  44.3419 315.9035 14.12583291282365
Cosmos 1686
1 16095U 85 86  A 90156.87181822  .00026722  00000-0  29085-3 0  6573
2 16095  51.6041   1.5048 0001268 180.3937 179.6965 15.63231255264183
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1 16129U 85 93  A 90157.01633112  .00000007  00000-0  00000 0 0  5401
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Mir
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2 16969  98.6027 184.8145 0013018 308.0247  51.9755 14.23626479192966
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Kvant-1
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DMSP B5D2-3
1 18123U 87 53  A 90156.80369046  .00000473  00000-0  26797-3 0  6046
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RS-10/11
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2 18129  82.9256 335.8699 0012672 141.2476 218.9588 13.72091938148086
Meteor 2-16
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Meteor 2-17
1 18820U 88  5  A 90156.99370699  .00000167  00000-0  13946-3 0  2851
2 18820  82.5449 359.3631 0017422   0.8056 359.3129 13.84345313118634
DMSP B5D2-4
1 18822U 88  6  A 90156.86905236  .00000472  00000-0  23294-3 0  5030
2 18822  98.6504  36.1357 0006386 315.8695  44.1969 14.21453543121212
AO-13
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2 19216  56.9522 153.1540 6957743 228.0483  47.3201  2.09698248 14984
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2 19274  82.5150 167.8346 0022971 151.2605 208.9749 14.76982904103454
Meteor 3-2
1 19336U 88 64  A 90157.85755550  .00000392  00000-0  99999-3 0  4975
2 19336  82.5402 284.7291 0018110 344.3398  15.7102 13.16898493 89592
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Akebono
1 19822U 89 16  A 90157.69625927  .00025094  00000-0  17716-2 0  6276
2 19822  75.1160 243.9668 4178937 228.5100  87.3760  7.10291187 32685
Meteor 2-18
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TDRS 3
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2 20185  54.9022 198.6985 0024309 159.3722 200.8240  2.00626333  5841
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2 20261  82.5964 234.8436 1257934   0.8168 359.4599 12.43728992 31365
Activnyi RB
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2 20262  82.5949 236.8011 1261388   7.8075 354.0725 12.43197158 30985
Magion 2
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Meteor 3-3
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Kvant-2
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2 20607  89.8914 194.9155 0111658 193.2628 166.5623 14.60797763  3634
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2 20640  73.5286 114.0673 0012065 203.4022 156.5470 15.18754076 24608
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Dr TS Kelso                           Assistant Professor of Space Operations
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tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

>>>>OTHER MEANINGLESS DRIBBLE DELETED!!!<<<<<<

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X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 10:50:17 PST
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From: lcz@dptspd.sat.datapoint.com (Lee Ziegenhals)
Newsgroups: rec.ham-radio
Subject: Re: Online Callbook & Communicator Class
Message-ID: <585@dptspd.sat.datapoint.com>
Date: 16 Jul 90 15:34:31 GMT
References: <1713KOSSACKB@RICEVM1>
Organization: Datapoint Corporation, San Antonio, TX
Lines: 18
Posted: Mon Jul 16 16:34:31 1990

KOSSACKB@RICEVM1.BITNET (Jordan Kossack) writes:

>ONLINE CALLBOOK:

>I recently saw the articles regarding the Online Callbook located at
>callbook@sat.datapoint.com and the Callsign Server at marvin.cs.buffalo.edu
>and was wondering what the format for requests is. How do we use them?
>I'm posting this rather than mailing since I figure there must be other folk
>out there who would like the information. tnx

The callbook server on sat.datapoint.com is a mail server, installed for those who (like me) do not have direct access to the Internet. Since I recently posted the info, I won't post the entire help file. To get help, send a message to "callbook@sat.datapoint.com" with the word "help" on a single line. If you have any problems, just drop me a note!

73/Lee, N5LYT
lcz@sat.datapoint.com

From 3510892976876589800
X-Google-Language: ENGLISH,ASCII-7-bit
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X-Google-Attributes: gid10c9e3,public
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hercules!fernwood!portal!cup.portal.com!Lee_-_Reynolds
From: Lee_-_Reynolds@cup.portal.com
Newsgroups: rec.ham-radio
Subject: Re: Lat and Long listings?
Message-ID: <31782@cup.portal.com>
Date: 16 Jul 90 13:32:09 GMT

References: <3028@sunpix.East.Sun.COM>
Organization: The Portal System (TM)
Lines: 11
Posted: Mon Jul 16 14:32:09 1990

Hi, all.

I need something that can provide accurate (but not down to
seconds) Lat and Long coordinates for a given city or area
.

Anyone have any suggestions (programs (MSDOS, pse.) text files)??

Thanks,

Lee

From 6560225308388633890
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2bbeadeac9b9be2e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 102b75,47c2589a05aca557
X-Google-Attributes: gid102b75,public
X-Google-Thread: 1164f8,47c2589a05aca557
X-Google-Attributes: gid1164f8,public
X-Google-ArrivalTime: 1990-07-16 13:11:40 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!cs.utexas.edu!texbell!texsun!
sunbird.central.sun.com!mwester
From: mwester@sunbird.central.sun.com
Newsgroups: rec.ham-radio
Subject: ?: RFI from a Hercules Card
Message-ID: <350@texsun.Central.Sun.COM>
Date: 16 Jul 90 16:04:40 GMT
Sender: news@texsun.Central.Sun.COM
Reply-To: mwester@sunbird.central.sun.com ()
Organization: Sun Microsystems, Inc. Schaumburg, IL
Lines: 12
Posted: Mon Jul 16 17:04:40 1990

I just replaced my PC in the shack with an old original IBM PC... all is well,
except the Hercules graphics card generates boatloads of crud on 147.555 Mhz.
I rearranged the cards, shielded all the cables, and even put a ground-plane
on the Hercules card. This dropped the RFI from S3 to S1 on the radio, better
but not good enough.

Any suggestions? Can I shift the clock a bit? Any leads to filter? Or
should I just buy a better-engineered card (any recommendations)?

Thanks
Mike (KA9WSB)   Mike.Westerhof@Central.Sun.COM

From -1511257825306438905
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7e8f66c5890e575
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 15:37:35 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!rpi!uupsi!njin!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: Half baked satellite idea
Message-ID: <747@idacrd.UUCP>
Date: 16 Jul 90 15:30:38 GMT
References: <1990Jul10.223934.1550@ameristar>
Organization: idacrd, princeton, nj
Lines: 25
Posted: Mon Jul 16 16:30:38 1990

From article <1990Jul10.223934.1550@ameristar>, by rick@ameristar.uucp (Rick Spanbauer):
> On NPR this evening it was mentioned that there may be a joint
> USSR-US satellite launch facility built in Australia. The idea
> since the ride is for testing anyways). Have the amateur radio satellite
> types started pursuing this angle? Enquiring minds want to know ;-)
>

Yes Rick:

We have been pursuing these launch opportunities since they were brought
up at a meeting in Marburg West (at the time ;-) Germany in April. Keep
bringing these things up though, sooner or later we are bound to miss
one ;-).

Bob
N4HY

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From 8135256462601402406
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 16:08:28 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!carafe.enet.dec.com!goldstein

From: goldstein@carafe.enet.dec.com (Fred R. Goldstein)
Newsgroups: rec.ham-radio
Subject: Re: Re: Wayne and Byte...
Message-ID: <13523@shlump.nac.dec.com>
Date: 16 Jul 90 21:13:22 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 47
Posted: Mon Jul 16 22:13:22 1990

In article <1250199@hpnmdla.HP.COM>, alanb@hpnmdla.HP.COM (Alan Bloom) writes...

>My understanding is that Wayne DID start Byte way back when. To save on
>income taxes, he put it in his wife's name. When they divorced, she ended
>up with the magazine, so Wayne started a new magazine called "Kilobyte".
>She sued him for trademark infringrment and won. So he changed the
>name to "Kilobaud Microcomputing" which lasted for a few years. I think
>it is now defunct.

Among all the postings, that's one of the closest, but it's not quite accurate. I should know. I was there!

Error: Virginia was NOT Wayne's wife at the time they started Byte. Wayne and Virginia married in 1960, just after founding 73 in Brooklyn, when Wayne was ca. 33 and Virginia 18 years old. They divorced around 1963, with Virginia taking custody of their daughter Tully (who was on the cover of 73 last year, climibing a tower).

After a second divorce and then a while later, Virginia went to work with Wayne again; this was around 1973-4. Wayne had lost a tax evasion suit in '73, so when he and Virginia (who was essentially the business manager of his whole operation) decided to start a computer hacker's magazine, he put it in her name. They both did a lot of work to get it to press in less than two months! The first issue was July, 1975; Carl Helmers (who had put out a little newsletter called ECS) was editor.

Wayne and Carl had some disagreements. Carl wanted a more technical journal for serious computerniks; Wayne wanted a more tutorial one for novice hackers. Virginia sided with Carl and one Wednesday night, moved the magazine out.

Carl didn't last much longer, but the whole story is best left to be told in a novel, under thin cover of fiction. It's too unreal to pass of otherwise.

BTW, Wayne added the "I/O" section to 73 shortly thereafter, and then planned to start Kilobyte. (Read it as three words.) But he announced the name too early, and Byte instantly added the comic strip 'Kilobyte(TM)', featuring the Scottish computer jockey Kilt O'Byte. That clinched the trademark. Hence the mag became Kilobaud, thence Kilobaud Microcomputing, thence Microcomputing, thence history.

Fred R. Goldstein   goldstein@carafe.enet.dec.com
k1io   or goldstein@delni.enet.dec.com
voice: +1 508 486 7388
opinions are mine along; sharing requires permission

From 602523728809725982
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 16:11:52 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!carafe.enet.dec.com!goldstein
From: goldstein@carafe.enet.dec.com (Fred R. Goldstein)
Newsgroups: rec.ham-radio
Subject: Re: Wayne and Byte...
Message-ID: <13528@shlump.nac.dec.com>
Date: 16 Jul 90 21:47:29 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 18
Posted: Mon Jul 16 22:47:29 1990

In article <908@ssc.UUCP>, tad@ssc.UUCP (Tad Cook) writes...
>... Because of earlier problems with the IRS, Wayne thought he would
>be smart and put it in his wife's name.

One point I forgot in my other posting. When he started Kilobaud, he
put it in the name of Wayne Sanger Green Sr. That's his father, aka
The Ancient Aviator.

One of his anti-IRS tirades said that they saw his 1960's book,
"How to make a million dollars", and believed he must have done so.
Check it out -- it explains what he did in 1986, when he sold out.
(Summary: Start a business and sell out.)
fred k1io

---

Fred R. Goldstein   goldstein@carafe.enet.dec.com
or goldstein@delni.enet.dec.com
voice: +1 508 486 7388

From -2609031493966345152
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 18:14:16 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!rutgers!att!cbnewsh!mrb1
From: mrb1@cbnewsh.att.com (maurice.r.baker)
Newsgroups: rec.ham-radio
Subject: Re: Wayne and Byte...

Summary: Book about Wayne Green?
Message-ID: <1990Jul16.203833.20955@cbnewsh.att.com>
Date: 16 Jul 90 20:38:33 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com>
<910@ssc.UUCP>
Organization: AT&T Bell Laboratories
Lines: 14
Posted: Mon Jul 16 21:38:33 1990

In article <910@ssc.UUCP>, tad@ssc.UUCP (Tad Cook) writes:
>
> You ought to read some of the trial transcripts for a good laugh. There
> was a book published when he was running for Vice President of the United
> States called "Run Wayne Run" detailing some of his more outrageous exploits.

Could someone post the full details on this book, i.e., author, publisher,
date of publication, etc? I'd really like to get a copy!

I've never seen it listed in 73 under the Uncle Wayne's Bookshop (or whatever
it's called) advertisement :-)

M. Baker, WA3ZXO
homxc!jj1028 -or-   jj1028 @ homxc.att.com

From 1057542306032531742
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b068affc1b8c865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 18:49:59 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!hayes.fai.alaska.edu!bionet!apple!winter
From: winter@Apple.COM (Patricia Winter)
Newsgroups: rec.ham-radio
Subject: Ham radio's value (Was: Re: Communicator Class)
Summary: Only recreation and learning? You gotta be kidding.
Message-ID: <43034@apple.Apple.COM>
Date: 16 Jul 90 17:23:07 GMT
References: <336.26A09B83@w8grt.fidonet.org>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 27
Posted: Mon Jul 16 18:23:07 1990

In article <336.26A09B83@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim
Grubs) writes:
>
>Hard, brutal truth #1: In today's world ham radio's only real value is as a
>National Park of the Mind - for recreation and learning.

That will come as a considerable surprise to the six hams who are
currently on the other side of that mountain over there (see that one? over
to my left?) helping the California Department of Forestry with a fire.
There are three additional hams at CDF's Morgan Hill regional HQ.

They're staffing the incident base and following CDF personnel around on foot and in trucks and copters. They're relaying crucial status reports and requests for equipment. They're using voice and packet. And if previous incidents are any guideline, they're probably providing inter-agency communications between CDF and other California emergency officials.

Amateur radio is indeed an excellent crucible for experimentation. And it's also a lot of fun. But anyone who thinks that's all it is can't have been paying very close attention.

Patty
--
```
****************************************************************************
Patty Winter N6BIS                        INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                     UUCP: {decwrl,nsc,sun}!apple!winter
****************************************************************************
```

From 2241919847161811924
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc07198dd56f7e99
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 19:08:11 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!usc!apple!winter
From: winter@Apple.COM (Patricia Winter)
Newsgroups: rec.ham-radio
Subject: Re: World Radiosport Team Championship
Keywords: HF contest, 7/20/90
Message-ID: <43035@apple.Apple.COM>
Date: 16 Jul 90 17:51:00 GMT
References: <913@ssc.UUCP>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 35
Posted: Mon Jul 16 18:51:00 1990

In article <913@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>World Radiosport Team Championship
>Bulletin ID: $KT7H0717
>
>Points: 50 pts. each WRTC/WG each band/mode.
>3 pts. different continent.
>2 pts. same continent, different country.
>2x pts each CW QSO.
>Multipliers: US, VE, JA call areas, DXCC countries, WRTC stations.
>Scoring: QSO points x multipliers = final score.

Tad--

With all the interest being generated within the United States about this contest (such as by packet messages like the ones you posted :-)), it seems unfortunate that once a Seattle contest station has worked each of the 10 U.S. call areas, no further stateside QSOs will count for anything.

It seems to me that could cause the contesters to get frustrated at
having lots of strong U.S. signals calling them (or having to ask U.S.
stations to stand by) at the same time all the stateside hams think
they're helping the contesters by working them.

I guess it's too late to change the rules at this point, but it
seems like an unfortunate decision.

Patty

```
--
*****************************************************************************
Patty Winter N6BIS                          INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                       UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From 8037296940522259608
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5606acdf117c5316
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 20:00:01 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!ncar!boulder!pikes!udenva!mercury.cair.du.edu!isis!nbires!stcvax!gin
From: gin@stcvax.STORTEK.COM (George Noyes)
Newsgroups: rec.ham-radio
Subject: Re: alternate phonetic alphabets
Summary: International Phonetics
Message-ID: <365@stcvax.STORTEK.COM>
Date: 16 Jul 90 18:19:23 GMT
References: <22480005@hpcuha.HP.COM> <27087@netnews.upenn.edu>
Organization: Storage Technology Corp. Louisville, CO
Lines: 19
Posted: Mon Jul 16 19:19:23 1990

In article <27087@netnews.upenn.edu>, depolo@eniac.seas.upenn.edu (Jeff DePolo) writes:
> In article <22480005@hpcuha.HP.COM> nicholso@hpcuha.HP.COM (Ron Nicholson) writes:
> >When listening to DX stations I've been hearing a seemingly standard
> >phonetic alphabet, different from the published International Phonetic
> >Alphabet. The letters that I've seen used are:
> [stuff deleted]
>
> As far as I know, they aren't any sort of a standard. Some of them sort

I don't believe there is a universally agreed upon Phonetic Alphabet but
many countries do require and/or test their amateurs for use of the
locally defined/approved Phonetic Alphabet. I know of Japan atleast

tests the hams, this is perhaps the main reason all the Japanese stations
use the same Phonetics.

As an aside, I wish the Japanese would use something different than
"Florida" for "F" in the DX contests (its virtually impossible to
understand Florida with their accent....)

From 5527996376672599797
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc07198dd56f7e99
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 21:43:59 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!wuarchive!mit-eddie!rutgers!mcnc!unccvax!cs00jmc
From: cs00jmc@unccvax.uncc.edu (John Covington WN4BBJ)
Newsgroups: rec.ham-radio
Subject: Re: World Radiosport Team Championship
Keywords: HF contest, 7/20/90
Message-ID: <2494@unccvax.uncc.edu>
Date: 17 Jul 90 01:35:02 GMT
References: <913@ssc.UUCP> <43035@apple.Apple.COM>
Reply-To: cs00jmc@unccvax.UUCP (John Covington WN4BBJ)
Organization: University of North Carolina at Charlotte
Lines: 20
Posted: Tue Jul 17 02:35:02 1990

In article <43035@apple.Apple.COM> winter@Apple.COM (Patricia Winter) writes:
>it seems unfortunate that once a Seattle contest station has worked
>each of the 10 U.S. call areas, no further stateside QSOs will count
>for anything.
>

What?? I believe you get QSO points for EVERY QSO (1 for phone, 2 for CW,
more for DX or WG stations).

Your total QSO points are multiplied by the total number of multipliers
(total meaning total for the 10 hour contest) giving your final score.
If you accumulate 50 multipliers then every QSO is worth at
least 50 points.

At least, that's the way it has worked in most other contests.
--
```
John Covington WN4BBJ        Internet: cs00jmc@unccvax.uncc.edu
P.O. Box 217122              MCI Mail: JCOVINGTON 342-6957
Charlotte, NC 28221-7122     Packet Radio Mail: WN4BBJ @ W4BFB.NC.USA.NA
(704) 537-7653               "Give it back, Eric, it's not yours" (the ICOM)
```

From 4838196704711413825
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,526395f460ea9371
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-07-16 21:44:40 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!cs.utexas.edu!texbell!texsun!newstop!male!sandyl
From: sandyl@divine.EBay.Sun.COM (Sandy Lavine)
Newsgroups: rec.ham-radio
Subject: Re: Awesome Code system
Summary: HELP!
Keywords: phoentics international morse code
Message-ID: <2647@male.EBay.Sun.COM>
Date: 16 Jul 90 23:06:16 GMT
References: <23475@shamash.cdc.com>
Sender: news@male.EBay.Sun.COM
Lines: 12
Posted: Tue Jul 17 00:06:16 1990

I'm studying to get my NOVICE ticket. I seem to be familiar enough now
to send code, I'm just having a real rough time copying it.

Any help, such as the phoenetic system Jeff mentioned, would be great.

BTW, I have no problem with having to learn code to get a license and
look forward to it being a challenging part of my new hobby.

Thanks,

Sandy

From 6202279815795209673
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,da59a38012b1ff0e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 23:54:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!richard
From: richard@hpfcdc.HP.COM (Richard Artz)
Newsgroups: rec.ham-radio
Subject: HAM Fun and Mickey Mouse
Message-ID: <7880184@hpfcdc.HP.COM>
Date: 17 Jul 90 06:54:20 GMT
Organization: HP Ft. Collins, Co.
Lines: 30
Posted: Tue Jul 17 07:54:20 1990

Is ham radio fun? Yes, let me bore you with the details :-)
On Saturday morning I went to the Denver Radio Club's annual hamfest.
It's nice to be in a room full of people that share interests. Everyone
I met was friendly and willing to help me (a newcomer) understand the
various aspects of the hobby. After I got my call and name engraved on
a badge, people started talking to me by name. Friendly! I bought a few
goodies for my HT, and finding $40 left in my pocket (I'd been saving),
I stumbled on an MIT ALTAIR 680 computer. Hey, how can you pass-up a

computer that requires you to set address-switches. None of that
"keyboard" stuff for me :-) It even works. Love those LEDs.

Back at home in the afternoon, I'm programming my new hp48sx to talk
to my Kenwood 440's serial interface, (yea, the VISA is near meltdown),
when the Kenwwod scans past 28.450 and I hear this high-falsetto saying:

CQ CQ CQ calling all ham-radio operators, this is N6MM Mickey Mouse.

I've heard about mickey-mouse operators, but this was too much. It WAS
Mickey Mouse, and a DisneyLand Amateur Radio Club special event.
Needless to say, there was a lot of people trying. I tried twice but
was drownd-out by some big-rigs. I waited and waited, suddenly, as if
the band closed, everyone was gone except Mickey. (10-meter IS strange)
I got a clean QSO with Mickey and Cristy (the operator) and have sent
a QSL. I look forward to seeing their card.

Somehow, I wish I started doing this years ago.

73's

Richard Artz / N0LZR / 303-229-2036 / richard@hpfcww.fc.hp.com

---

From -6008477785145178923
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc07198dd56f7e99
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 02:06:52 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!iuvax!rutgers!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: World Radiosport Team Championship
Keywords: HF contest, 7/20/90
Message-ID: <43066@apple.Apple.COM>
Date: 17 Jul 90 06:01:51 GMT
References: <913@ssc.UUCP> <43035@apple.Apple.COM> <2494@unccvax.uncc.edu>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 25
Posted: Tue Jul 17 07:01:51 1990

In article <2494@unccvax.uncc.edu> cs00jmc@unccvax.UUCP (John Covington WN4BBJ)
writes:
>In article <43035@apple.Apple.COM> winter@Apple.COM (Patricia Winter) writes:
>>it seems unfortunate that once a Seattle contest station has worked
>>each of the 10 U.S. call areas, no further stateside QSOs will count
>>for anything.
>>
>
>What?? I believe you get QSO points for EVERY QSO (1 for phone, 2 for CW,
>more for DX or WG stations).
>
>At least, that's the way it has worked in most other contests.

John--

If that's true of WRTC, it wasn't mentioned in the packet posting that was forwarded to Usenet. I hope that posting was wrong and you're right.

Patty

--
****
Patty Winter N6BIS   INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]   UUCP: {decwrl,nsc,sun}!apple!winter
****

From -6524621240300903524
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eaeb879f5b0c6de6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 02:17:43 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!sunybcs!acsu.buffalo.edu
From: bowen@acsu.buffalo.edu (Devon E Bowen)
Newsgroups: rec.ham-radio
Subject: Re: Online Callbook & Communicator Class
Message-ID: <30861@eerie.acsu.Buffalo.EDU>
Date: 17 Jul 90 04:19:56 GMT
References: <1713KOSSACKB@RICEVM1>
Sender: news@acsu.Buffalo.EDU
Organization: State University of New York at Buffalo/Comp Sci
Lines: 22
Posted: Tue Jul 17 05:19:56 1990
Nntp-Posting-Host: castor.cs.buffalo.edu

In article <1713KOSSACKB@RICEVM1>, KOSSACKB@RICEVM1.BITNET (Jordan Kossack) writes:

> I recently saw the articles regarding the Online Callbook located at
> callbook@sat.datapoint.com and the Callsign Server at marvin.cs.buffalo.edu
> and was wondering what the format for requests is. How do we use them?
> I'm posting this rather than mailing since I figure there must be other folk
> out there who would like the information. tnx

The callsign server on marvin is only available to sites on the Internet through the telnet protocol. Any Internet user may connect by using telnet to get to marvin.cs.buffalo.edu (128.205.32.4) port 2000. This is usually done with the command "telnet 128.205.32.4 2000" but your milage may vary.

Once connected the session is interactive. You're given a prompt and help is available to describe all the commands and features. You can make as many queuries as you'd like and when you're done you just disconnect with the "quit" command. There is no helper documentation besides the help command. Everyone seems to find that satisfactory.

I have promised to add a mail based server, but I've been putting it off
since there is now one available on the net.

Devon

From -4731065822340099424
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f4285b9aa5630ddb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 03:03:36 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpfcso!ron
From: ron@hpfcso.HP.COM (Ron Miller)
Newsgroups: rec.ham-radio
Subject: Re: Alligators and kerchunking
Message-ID: <7500022@hpfcso.HP.COM>
Date: 16 Jul 90 15:41:16 GMT
References: <12792@cadnetix.COM>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 25
Posted: Mon Jul 16 16:41:16 1990

> From article <7500021@hpfcso.HP.COM>, by ron@hpfcso.HP.COM (Ron Miller):
> > (old fart voice ON) I remember when you could ragchew on the Tyson's Corner
> > 34/94 machine in N. Virginia.... (old fart voice OFF)
> > Ron NW0U (formerly WB4UWH)
>
> Should have said old fart memory on; it is 31/91 :) :)
>
> They have chased most of the people off of there nowadays; most got
> tired of the b.s. and it sits quiet most of the time now.
>
> --
> John Boteler   {uunet | ka3ovk}!media!csense!bote
> NCN NudesLine: 703-241-BARE -- VOICE only, Touch-Tone (TM) accessible

Geez! I guess memory *IS* the second thing to go! :-)))

Well, how about this- "Oh brrrrr. I remember when 146.94 was a SIMPLEX
frequency !"

Is that better? :-)   (I still have the 94/94 xtals in my TR-22)

Losing bits at age 33,
Ron

From 4544925839540282282
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,d9d1a0eaeaed08f7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 03:03:40 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!maverick.ksu.ksu.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpldola!paul
From: paul@hpldola.HP.COM (Paul Bame)
Newsgroups: rec.ham-radio
Subject: 1.6GHz receiving converter?
Message-ID: <12120041@hpldola.HP.COM>
Date: 16 Jul 90 16:55:04 GMT
Organization: HP Elec. Design Div. -ColoSpgs
Lines: 10
Posted: Mon Jul 16 17:55:04 1990

Can anyone think of a supplier for ~1.6GHz to "something reasonable" receiving converters? I recall somebody sells 1.6GHz to 137MHz converters for converting GEOS weather satellites down to NOAA frequencies. This is targetted at a PRO2004 so most any output frequency between 25MHz and 1.3GHz is fine.

-Paul "Spice is the Variety of Life"
paul@hpldola.hp.com N0KCL

From 299198364929075379
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,526395f460ea9371
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 07:01:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!rutgers!att!watmath!watserv1!utgpu!utzoo!mnetor!ghp!jim
From: jim@ghp.UUCP (Jim Stewart)
Newsgroups: rec.ham-radio
Subject: Re: Awesome Code system
Keywords: phoentics international morse code
Message-ID: <635@ghp.UUCP>
Date: 16 Jul 90 20:50:49 GMT
References: <23475@shamash.cdc.com>
Reply-To: jim@ghp.UUCP (Jim Stewart)
Organization: Gellman Hayward & Partners Ltd.
Lines: 28
Posted: Mon Jul 16 21:50:49 1990

In article <23475@shamash.cdc.com> vtcqa@shamash.cdc.com (VTC) writes:

>... The instructor was
>Bob Schoeing, W0BE, and he had the whole class doing code in 7
>days ! (!!!!). It worked on phoenetics. I have lost the entire alphabet,
>and would like to get it, since I have bragged to a few people that I will
>have them pass the code test in 2 weeks (like Bob had us do). If you know
>what this is, you might have the whole alphabet - PLEASE send it to me:

>L Liberia
>O Old Crow Booze
>H Hit it a bit
>A about
>V victory vee
>B badminton set

I had an uncle that taught me bits of the code using:

V - intro to Beethoven's 5th (??)
Q - intro to he comes the bride

Is this what you meant? Post it if you get the whole set,
even though I'm not a code person, it sounds interesting--
based on the way I learned the above two letters.
--
Jim Stewart, VE3SRJ
UUCP: jim%ghp@mnetor.uucp
BELL: (416)862-0430

From -2767977147426539197
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db1c2386a679a0b1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 07:01:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!rutgers!att!watmath!watserv1!utgpu!utzoo!mnetor!ghp!jim
From: jim@ghp.UUCP (Jim Stewart)
Newsgroups: rec.ham-radio
Subject: Re: phonetics (especially for ve3yz)
Keywords: variations
Message-ID: <636@ghp.UUCP>
Date: 16 Jul 90 20:56:07 GMT
References: <33956@ut-emx.UUCP> <177@bongo.UUCP>
Reply-To: jim@ghp.UUCP (Jim Stewart)
Organization: Gellman Hayward & Partners Ltd.
Lines: 10
Posted: Mon Jul 16 21:56:07 1990

In article <177@bongo.UUCP> julian@bongo.UUCP (Julian Macassey) writes:

> Back in the old days when men were men and aeroplanes had propellers,
> But then Hitler lost the war and they took the propellers off planes.

...now they only wear them on their heads...:-)
--
Jim Stewart, VE3SRJ
UUCP: jim%ghp@mnetor.uucp
BELL: (416)862-0430

From 4999930104255604511
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,863c59af94400c3c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 07:06:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!watserv1!watmath!att!cbnewsk!wheatley
From: wheatley@cbnewsk.att.com (steven.m.wheatley)
Newsgroups: rec.ham-radio
Subject: QRP information response
Message-ID: <1990Jul17.035926.6148@cbnewsk.att.com>
Date: 17 Jul 90 03:59:26 GMT
Organization: AT&T Bell Laboratories
Lines: 9
Posted: Tue Jul 17 04:59:26 1990

Someone was looking for QRP kits .... suggest you contact W1FB, Doug Demaw, somewhere in michigan (look at the ads in the classifieds of QST)....he sells a bunch of stuff for QRP, and writes a lot of articles and books for QST (used to be their tech. guru, now retired)

--
Steven Wheatley   AT&T Consumer Products   (317) 845-3927

....!att!inuxz!wheatley

From -2685532936566325644
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 09:40:57 PST
Path: gmdzi!unido!mcsun!uunet!midway!ncar!elroy.jpl.nasa.gov!usc!wuarchive!texbell!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Wayne and Byte...
Message-ID: <.9G&SP@splut.conmicro.com>
Date: 17 Jul 90 10:59:45 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com> <3721@altos86.Altos.COM> <910@ssc.UUCP>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 13
Posted: Tue Jul 17 11:59:45 1990

In article <910@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:

>[...] when [Wayne Green] was running for Vice President of the United
>States [...]

...and I'd thought I'd heard of everything.

Tad, are you serious? When was this? Who'd run with him?

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
"It's a hardware bug!" "It's a      +--------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_
```

From 4333821742676403113
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5606acdf117c5316
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 10:25:01 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!maverick.ksu.ksu.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcuha!nicholso
From: nicholso@hpcuha.HP.COM (Ron Nicholson)
Newsgroups: rec.ham-radio
Subject: Re: alternate phonetic alphabets
Message-ID: <22480007@hpcuha.HP.COM>
Date: 17 Jul 90 01:49:03 GMT
References: <22480005@hpcuha.HP.COM>
Organization: Hewlett Packard, Cupertino
Lines: 26
Posted: Tue Jul 17 02:49:03 1990

I found where some other phonetic alphabet words came from.
Listed as Spanish Phonetics, on page 17-16 of "The ARRL Operating Manual",
1990 edition:

America
Brasil
Canada
Dinamarca
Espana
Francia
Grenada
Holanda
Italia
Japon
Kilowatio
Lima
Mejico
Norvega
Ontario
Portugal
Quito
Roma
Santiago
Toronto
Uniforme
Victoria
Washington
Xilofono
Yucatan
Zelandia

BTW, although the Operating Manual seems to have lots of stuff on
DX awards and contesting; as a new ham, I found it very skimpy on basic
operating procedures.

```
====
KK6MP (formerly N6YWU)
Ronald H. Nicholson, Jr.         Hewlett Packard
uucp: nicholso@hpda.HP.COM       Cupertino, CA
(408) 447-6603                   #include <canonical disclaimer>
```

From 5302661811867407697
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 10:47:58 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!maverick.ksu.ksu.edu!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpda!hpcuhb!bobh
From: bobh@hpcuhb.HP.COM (Bob Headrick)
Newsgroups: rec.ham-radio
Subject: Re: John Sculley (Was Wayne Green, state of ham radio, etc.)
Message-ID: <10510010@hpcuhb.HP.COM>
Date: 16 Jul 90 22:10:05 GMT
References: <42965@apple.Apple.COM>
Organization: Hewlett Packard, Cupertino
Lines: 10
Posted: Mon Jul 16 23:10:05 1990

I remember a note to the editor back in ~1972 +/- from Bill Gates who was complaining that due to the high piracy rate for the Basic compiler he had developed for the Altair 8800 that he had only made $2.00/hr for his effort.

Does anyone have the exact reference for that? I would love to get the real copy...

Bob Headrick, not a billionaire...
bobh@hpda.HP.COM

From -8888630370148026396
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15cdff01475dad2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 11:55:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!ARO-EMH1.ARMY.MIL!tom
From: tom@ARO-EMH1.ARMY.MIL ("T-DOLIGALSKI")
Newsgroups: rec.ham-radio
Subject: Lat and Long listings?
Message-ID: <9007171126.AA18235@ucsd.edu>
Date: 17 Jul 90 11:14:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Tue Jul 17 12:14:00 1990

For MS-DOS, you can use PC USA to get the latitude and longitude of cities within the US...I imagine you will have the same capability using PC Globe for international use (don't have that one to try though).

73, Tom N9CGD

From 1832670994726012170
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1e64fe7313d2cf1f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 13:10:39 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!CYGX3.USNO.NAVY.MIL!kak
From: kak@CYGX3.USNO.NAVY.MIL
Newsgroups: rec.ham-radio
Subject: Leap second
Message-ID: <9007171447.AA23953@ucsd.edu>
Date: 17 Jul 90 14:44:19 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25
Posted: Tue Jul 17 15:44:19 1990

For those of you who really care....

The International Earth Rotation Service (IERS) announced the following:

> A positive leap second will be introduced at the end of December 1990.
>
> The sequence of dates of the UTC second markers will be :

```
              1990 December 31,   23h 59m 59s
              1990 December 31,   23h 59m 60s
              1991 January   1,    0h  0m  0s
```

Just thought you'd like to know.

Kerry Kingham WA4BQM   kak@CygX3.usno.navy.mil

U.S. Naval Observatory
Washington, D.C.

From -3407047953711363563
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc07198dd56f7e99
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 13:17:38 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!husc6!bunny!dhp1
From: dhp1@GTE.COM (David Pascoe)
Newsgroups: rec.ham-radio
Subject: Re: World Radiosport Team Championship

```
Summary: US QSOs
Keywords: HF contest, 7/20/90
Message-ID: <9482@bunny.GTE.COM>
Date: 17 Jul 90 15:26:46 GMT
References: <913@ssc.UUCP> <43035@apple.Apple.COM> <2494@unccvax.uncc.edu>
<43066@apple.Apple.COM>
Organization: GTE Laboratories, Inc., Waltham, MA
Lines: 8
Posted: Tue Jul 17 16:26:46 1990

QSO's with US stations are worth 1 point in the WRTC.  I checked the rules.



--
Dave Pascoe KM3T/1        |  Internet: pascoe@edcd.gte.com
(617) 455-5704            |            dhp1@gte.com
                          |            km3t@jjmhome.m2c.org
                          |      UUCP: ....!gte.com!edcd.dnet!pascoe


From -5721262911050219598
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1035ce0e36c0b9c7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 13:20:09 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!
XEROX.COM!"Paul_Adler.NEROSM"
From: "Paul_Adler.NEROSM"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: YAESU FT1000  or KENWOOD TS950S
Message-ID: <900717-062708-5294@Xerox>
Date: 17 Jul 90 13:20:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6
Posted: Tue Jul 17 14:20:00 1990

I am planning to buy a new rig.  Does anyone have any comments or
experience with the YAESU FT1000 (basic model)  or KENWOOD TS950S (without
DPS option)?
73
Paul  KW1L
203 325-6119


From -4552399806686575051
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93e86a3d4b344d5e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 13:20:14 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!ucsd!ucbvax!MCTGATE.MCT.ANL.GOV!
Chuck_Beck
From: Chuck_Beck@MCTGATE.MCT.ANL.GOV (Chuck Beck)
```

Newsgroups: rec.ham-radio
Subject: RE>>>FWD>Info-Hams Digest V
Message-ID: <9007171610.AA27737@ucsd.edu>
Date: 17 Jul 90 18:13:29 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 398
Posted: Tue Jul 17 19:13:29 1990

Reply to: RE>>>FWD>Info-Hams Digest V1 #17
WHAT HAPPENED HERE?

Date: 7/16/90
To: Chuck Beck
From: Loren Thompson
just thought you might want the new numbers
actually it was an accident!

Date: 7/14/90
To: Loren Thompson
From: Chuck Beck
WHAT IS THE USE OF FORWARDING ME ALL THIS SHI#?

Date: 6/11/90
To: Chuck Beck
From: Loren Thompson
Info-Hams Digest   Sat, 9 Jun 90   Volume 90 : Issue 17

Today's Topics:

- Current NASA Prediction Bulletins #707 -

```
Alouette 1
1 00424U 62B-A  1 90143.97482870  .00000248  00000-0  28755-3 0  3260
2 00424  80.4630 309.9464 0023488 337.6047  22.4082 13.67348077379387
ATS 3
1 03029U 67111  A 90151.66034044 -.00000074  00000-0  99999-4 0  3820
2 03029  13.1859  21.3716 0015101 210.9434 148.9146  1.00272196 82623
Cosmos 398
1 04966U 71 16  A 90157.64682096  .00074385  17346-4  41232-3 0  9079
2 04966  51.5077 265.4854 2280288 127.3380 255.7838 11.04308279590535
Starlette
1 07646U 75010  A 90157.51573560  .00000167  00000-0  22642-3 0   815
2 07646  49.8225 200.6145 0203658 155.8244 205.2283 13.82144149774306
LAGEOS
1 08820U 76039  A 90155.11151443  .00000002  00000-0  00000 0 0   838
2 08820 109.8519 350.6475 0044611 240.8397 118.7855  6.38664271 73101
GPS-0001
1 10684U 78020  A 90155.47091011  .00000007  00000-0  99999-4 0  4327
```

```
2 10684  63.7236  89.9508 0117389 199.1014 160.4309  2.00556802 75598
GPS-0002
1 10893U 78 47  A 90154.94772732 -.00000025  00000-0  00000 0 0  1930
2 10893  64.3934 330.8205 0164724  26.0941 334.7260  2.00545329 88404
SeaSat 1
1 10967U 78064  A 90156.40757967  .00000773  00000-0  31024-3 0  3404
2 10967 108.0166 295.8371 0002359 246.4380 113.6480 14.35689827624769
GPS-0003
1 11054U 78093  A 90156.73194876 -.00000024  00000-0  00000 0 0  2331
2 11054  63.9214 327.0514 0060334 117.5287 243.0859  2.00567300 85453
Nimbus 7
1 11080U 78098  A 90150.23174242  .00000147  00000-0  16206-3 0  6775
2 11080  99.1974  55.5638 0009343 126.7484 233.4523 13.83434684585558
GPS-0004
1 11141U 78112  A 90156.33258608  .00000007  00000-0  00000 0 0  3858
2 11141  63.7439  89.8035 0060238 316.6931  42.8076  2.00557366 84141
GPS-0005
1 11690U 80 11  A 90155.47651219  .00000008  00000-0  00000 0 0  9832
2 11690  64.1721  91.9181 0119932 203.1963 156.2488  2.00555246 89985
GPS-0006
1 11783U 80 32  A 90154.78731032 -.00000024  00000-0  00000 0 0  1531
2 11783  63.7148 326.7147 0150709  60.8950 300.6108  2.00557638 74051
GOES 5
1 12472U 81049  A 90151.74245802 -.00000177  00000-0  99999-4 0  9351
2 12472   3.4380  76.1453 0004762 252.1896 106.8950  1.00148172 32068
DE 1
1 12624U 81 70  A 90154.94579701  .00000378  00000-0  17339-2 0  4473
2 12624  88.9352 148.0227 6202534 286.6997  17.0446  3.51021965261659
SME
1 12887U 81100  A 90157.36014481  .00021595  00000-0  38485-3 0  6849
2 12887  97.6363 204.1504 0003038  97.1878 262.9722 15.50125999479592
Salyut 7
1 13138U          90158.21426006  .00027475  00000-0  29800-3 0  3092
2 13138  51.6033 354.7111 0001640 169.8273 190.2785 15.63305589463296
Cosmos 1383
1 13301U 82 66  A 90148.93808898  .00000141  00000-0  15440-3 0  5770
2 13301  82.9274 314.8799 0026057 212.3583 147.5979 13.67828297395043
LandSat 4
1 13367U 82 72  A 90156.79860944  .00000407  00000-0  10031-3 0  3563
2 13367  98.1660 219.5506 0003824 148.8429 211.2997 14.57138558419645
IRAS
1 13777U 83  4  A 90151.04001392  .00000194  00000-0  15827-3 0  7791
2 13777  99.0258 348.1000 0013985  77.1669 283.1050 13.98784104 44549
Cosmos 1447
1 13916U 83 21  A 90149.04385117  .00000150  00000-0  14772-3 0  7275
2 13916  82.9436  26.2109 0036769 191.2634 168.7704 13.74041873360045
TDRS 1
1 13969U 83 26  B 90151.00000000  .00000128  00000-0  99999-4 0  9993
2 13969   4.4329  65.8056 0001047  18.4789 353.0624  1.00268768 92946
GOES 6
1 14050U 83 41  A 90153.89443675  .00000116  00000-0  99999-4 0  1854
2 14050   2.1661  78.6431 0000971 250.5098 108.2760  1.00290166 10126
OSCAR 10
```

```
1 14129U 83 58  B 90157.09033828 -.00000065  00000-0  00000 0 0  5274
2 14129  25.9956 200.7381 5958911 148.8920 266.8516  2.05881905 24509
GPS-0008
1 14189U 83 72  A 90157.31650164  .00000006  00000-0  99999-4 0  7691
2 14189  63.3537  88.2218 0147823 219.0765 139.8278  2.00705561 50544
LandSat 5
1 14780U 84 21  A 90156.82596767 -.00000197  00000-0 -38636-4 0  2145
2 14780  98.2062 217.0655 0000389  44.5431 315.5798 14.57109643333069
UoSat 2
1 14781U 84 21  B 90156.61567397  .00000860  00000-0  16760-3 0  7446
2 14781  97.9462 209.5469 0011698 287.2040  72.7880 14.65389143334278
GPS-0009
1 15039U 84 59  A 90154.92659091  .00000006  00000-0  00000 0 0  9461
2 15039  63.0904  87.4927 0021045 238.5319 121.2408  2.00612209 43773
Cosmos 1574
1 15055U 84 62  A 90156.25712067  .00000146  00000-0  14569-3 0  8838
2 15055  82.9570  71.1067 0028672 359.6003   0.5121 13.73358060298433
GPS-0010
1 15271U 84 97  A 90156.82878847 -.00000024  00000-0  00000 0 0  8475
2 15271  63.2257 326.1849 0105519 327.2953  32.0527  2.00556131 40925
Cosmos 1602
1 15331U 84105  A 90157.11218551  .00002269  00000-0  30916-3 0  3059
2 15331  82.5405  11.1834 0024076  13.0630 347.1115 14.78130265306456
NOAA 9
1 15427U 84123  A 90156.71989706  .00000163  00000-0  10956-3 0  5894
2 15427  99.1664 156.2832 0016025  44.3419 315.9035 14.12583291282365
Cosmos 1686
1 16095U 85 86  A 90156.87181822  .00026722  00000-0  29085-3 0  6573
2 16095  51.6041   1.5048 0001268 180.3937 179.6965 15.63231255264183
GPS-0011
1 16129U 85 93  A 90157.01633112  .00000007  00000-0  00000 0 0  5401
2 16129  63.8791  88.3801 0122683 149.3112 211.3932  2.00510552 34138
Mir
1 16609U          90158.23225767  .00027135  00000-0  32175-3 0  7176
2 16609  51.6143  20.9704 0010772  15.9591 344.2325 15.60941065246544
SPOT 1
1 16613U 86 19  A 90156.23552424 -.00000082  00000-0 -29431-4 0  9703
2 16613  98.7346 230.8301 0000890 156.0442 204.0787 14.20037170 62238
Cosmos 1766
1 16881U          90158.39007569  .00003766  00000-0  52156-3 0   160
2 16881  82.5226  69.0548 0023347  24.5741 335.6567 14.77617010207700
EGP
1 16908U 86 61  A 90158.36190645 -.00000208  00000-0 -11952-2 0  2256
2 16908  50.0309 286.2016 0011266 164.4734 195.6555 12.44385519173631
NOAA 10
1 16969U 86 73  A 90156.60881657  .00000617  00000-0  28704-3 0  4383
2 16969  98.6027 184.8145 0013018 308.0247  51.9755 14.23626479192966
MOS-1
1 17527U 87 18  A 90156.23547063 -.00000247  00000-0 -17085-3 0  5701
2 17527  99.1106 228.9414 0001147 112.2816 247.8467 13.94851561167593
GOES 7
1 17561U 87 22  A 90153.60387927  .00000077  00000-0  99999-4 0  5493
2 17561   0.0171  20.3779 0048741 239.7389  99.8136  0.99328507  5277
```

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Kvant-1
1 17845U 87 30  A 90156.75987091 -.00153865  00000-0 -18695-2 0  1588
2 17845  51.6132  28.3870 0012059   6.8213 354.1225 15.60781394182366
DMSP B5D2-3
1 18123U 87 53  A 90156.80369046  .00000473  00000-0  26797-3 0  6046
2 18123  98.8200 347.5590 0015484  57.3226 302.9438 14.14046633152799
RS-10/11
1 18129U          90158.24981126  .00000138  00000-0  14059-3 0  2152
2 18129  82.9256 335.8699 0012672 141.2476 218.9588 13.72091938148086
Meteor 2-16
1 18312U 87 68  A 90156.46754170  .00000219  00000-0  18868-3 0  4349
2 18312  82.5505 299.5764 0011428 292.9706  67.0229 13.83649868141362
Meteor 2-17
1 18820U 88  5  A 90156.99370699  .00000167  00000-0  13946-3 0  2851
2 18820  82.5449 359.3631 0017422   0.8056 359.3129 13.84345313118634
DMSP B5D2-4
1 18822U 88  6  A 90156.86905236  .00000472  00000-0  23294-3 0  5030
2 18822  98.6504  36.1357 0006386 315.8695  44.1969 14.21453543121212
AO-13
1 19216U 88 51  B 90148.23246392  .00000105  00000-0  99999-4 0  1283
2 19216  56.9522 153.1540 6957743 228.0483  47.3201  2.09698248 14984
OKEAN 1
1 19274U 88 56  A 90158.23959183  .00000326  00000-0  44547-4 0  8137
2 19274  82.5150 167.8346 0022971 151.2605 208.9749 14.76982904103454
Meteor 3-2
1 19336U 88 64  A 90157.85755550  .00000392  00000-0  99999-3 0  4975
2 19336  82.5402 284.7291 0018110 344.3398  15.7102 13.16898493 89592
NOAA 11
1 19531U 88 89  A 90157.39337851  .00000328  00000-0  20095-3 0  2886
2 19531  98.9815 105.6890 0011353 319.0808  40.9513 14.11614778 87447
TDRS 2
1 19548U 88 91  B 90152.78897618  .00000113  00000-0  99999-4 0  1349
2 19548   0.0907  87.0989 0017504  52.2280 220.4072  1.00262977   126
Cosmos 2001
1 19796U 89 11  A 90157.72677111 -.00001034  00000-0  99999-4 0  4998
2 19796  63.2130  94.1996 7091103 319.9399   5.1434  2.00673222  9595
GPS BII-01
1 19802U 89 13  A 90142.03861096  .00000016  00000-0  99999-4 0  1303
2 19802  55.0581 198.4458 0055803 164.4555 195.7971  2.00642300  9225
Akebono
1 19822U 89 16  A 90157.69625927  .00025094  00000-0  17716-2 0  6276
2 19822  75.1160 243.9668 4178937 228.5100  87.3760  7.10291187 32685
Meteor 2-18
1 19851U 89 18  A 90154.64893920  .00000243  00000-0  20864-3 0  2344
2 19851  82.5236 239.2428 0016253  45.5452 314.7035 13.83979217 63691
TDRS 3
1 19883U 89 21  B 90154.00000000 -.00000236  00000-0  99999-4 0  1340
2 19883   0.0904  72.6212 0000439 153.4348 343.7667  1.00277031 74792
GPS BII-02
1 20061U 89 44  A 90157.19570947 -.00000032  00000-0  00000 0 0  1366
2 20061  54.7550  16.2398 0086227 172.8349 187.3452  2.00485486  7278
Nadezhda 1
1 20103U 89 50  A 90156.80876097  .00000094  00000-0  94094-4 0  1337
```

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2 20103  82.9585 293.3830 0039498  70.2655 290.2754 13.73593794 46157
GPS BII-03
1 20185U 89 64  A 90157.13918754  .00000016  00000-0  99999-4 0  1283
2 20185  54.9022 198.6985 0024309 159.3722 200.8240  2.00626333  5841
Activnyi
1 20261U          90158.29956211  .00000561  00000-0  17286-3 0  5387
2 20261  82.5964 234.8436 1257934   0.8168 359.4599 12.43728992 31365
Activnyi RB
1 20262U 89 80  C 90155.28413880  .00000309  00000-0  94910-4 0  2397
2 20262  82.5949 236.8011 1261388   7.8075 354.0725 12.43197158 30985
Magion 2
1 20281U          90158.35106130  .00000453  00000-0  13782-3 0  5379
2 20281  82.5957 234.7406 1257603   0.5604 359.6563 12.43988275 31376
GPS BII-04
1 20302U 89 85  A 90156.43405920 -.00000028  00000-0  99999-4 0  1313
2 20302  54.6273 317.5443 0031592 318.8925  40.8724  2.00374350  4631
Meteor 3-3
1 20305U 89 86  A 90158.25758036  .00000034  00000-0  75770-4 0  1371
2 20305  82.5550 224.9950 0016118 359.3191   0.7905 13.15855924 29641
COBE
1 20322U 89 89  A 90157.06744326  .00004381  00000-0  28787-2 0  1360
2 20322  99.0196 167.3866 0009990  44.3898 315.8062 14.02273853 27936
Kvant-2
1 20335U 89 93  A 90156.82369817 -.00043141  00000-0 -50744-3 0  2617
2 20335  51.6150  28.0685 0010566   7.8203 352.0365 15.60844212 29985
GPS BII-05
1 20361U 89 97  A 90156.17029847  .00000015  00000-0  99999-4 0   800
2 20361  54.9860 140.8057 0062556  46.6808 313.9547  2.00579991  3486
SPOT 2
1 20436U 90  5  A 90158.24371357 -.00003117  00000-0 -14569-2 0  2235
2 20436  98.7345 232.8674 0001659  84.3734 275.7462 14.20033042 19333
UO-14
1 20437U 90  5  B 90157.25043101  .00000110  00000-0  51686-4 0  1611
2 20437  98.7088 233.4001 0012400 180.1294 179.9886 14.28624817 19307
UO-15
1 20438U 90  5  C 90158.25299533  .00001430  00000-0  58804-3 0   911
2 20438  98.6989 234.3758 0010733 177.3715 182.7528 14.28376096 19442
PACSAT
1 20439U 90  5  D 90158.29152781  .00000382  00000-0  16757-3 0   836
2 20439  98.7019 234.5188 0011186 180.6504 179.4668 14.28730423 19450
DO-17
1 20440U 90  5  E 90157.23747009  .00000464  00000-0  20042-3 0   860
2 20440  98.7038 233.4739 0011196 182.3300 177.7827 14.28775949 19301
WO-18
1 20441U 90  5  F 90156.24698547  .00000472  00000-0  20304-3 0   852
2 20441  98.7040 232.5010 0011787 186.8265 173.2720 14.28874390 19169
LO-19
1 20442U 90  5  G 90158.20120028  .00000224  00000-0  96556-4 0   864
2 20442  98.7038 234.4690 0012274 181.7350 178.3790 14.28941930 19442
GPS BII-06
1 20452U 90  8  A 90147.83563653  .00000001  00000-0  99999-4 0   755
2 20452  54.5567 256.8002 0028456  44.6049 315.6465  2.00875970  2439
MOS-1B
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1 20478U 90 13  A 90157.84059613  .00000084  00000-0  75563-4 0  2919
2 20478  99.1903 228.1033 0001798  93.9160 266.2061 13.94842011 16694
DEBUT
1 20479U 90 13  B 90158.26403898 -.00000072  00000-0 -13252-3 0   772
2 20479  99.0392 206.6464 0541781  71.0355 294.8623 12.83156596 15478
FO-20
1 20480U 90 13  C 90157.17501493  .00000048  00000-0  15597-3 0   802
2 20480  99.0408 205.7596 0542049  73.5802 292.4161 12.83136818 15337
MOS-1B R/B
1 20491U 90 13  D 90158.07262524  .00000056  00000-0  15088-3 0   818
2 20491  99.0380 209.8719 0471504  54.9996 309.4446 13.02718520 15089
Soyuz TM-9
1 20494U 90 14  A 90156.75950432 -.00040572  00000-0 -47667-3 0  1556
2 20494  51.6210  28.3954 0010529   7.7024 351.1921 15.60847906 17886
LACE
1 20496U 90 15  A 90158.08524949  .00002837  00000-0  18211-3 0  1628
2 20496  43.0970  18.2377 0015244 289.3117  70.6085 15.10503846 16995
RME
1 20497U 90 15  B 90157.96371997  .00007765  00000-0  22395-3 0  1632
2 20497  43.1040 355.8221 0018695 276.9709  82.8911 15.35938890 17267
Nadezhda 2
1 20508U 90 17  A 90156.27980339  .00000091  00000-0  91038-4 0   888
2 20508  82.9547  68.6881 0045708  20.9415 339.3603 13.73212551 13375
OKEAN 2
1 20510U 90 18  A 90158.27948448  .00000864  00000-0  13062-3 0  1642
2 20510  82.5260 106.8498 0018553 311.1933  48.7706 14.73128082 14612
INTELSAT-6
1 20523U 90 21  A 90157.87360466 -.00006666  00000-0 -48863-3 0  1637
2 20523  28.3467 331.2429 0015658  84.4123 275.8501 15.03104486 12895
GPS BII-07
1 20533U 90 25  A 90140.98718512 -.00000032  00000-0  00000 0 0   473
2 20533  55.0719  17.0265 0033840  99.7665 260.6670  2.00594792  1054
Offeq 2
1 20540U 90 27  A 90157.70828851  .01021835 -65614-4  18085-2 0  1364
2 20540 143.1923  92.2139 0586142 189.0492 169.9981 14.88786265  9255
PegSat
1 20546U 90 28  A 90157.55574584  .00002454  00000-0  15538-3 0  1083
2 20546  94.1208 209.4551 0150803  11.4357 349.0374 15.00214947  9245
1990 030B
1 20559U 90 30  B 90133.67279168  .00011178  00000-0  37832-2 0   528
2 20559  31.2905  11.0753 7319241 198.5461 105.1812  2.22962208   811
Cosmos 2072
1 20568U 90 33  A 90133.90710463  .00331011  56513-4  42018-3 0  1052
2 20568  64.7618  49.0650 0033867  86.1627 274.2603 16.05900007  4844
Palapa-B2R
1 20570U 90 34  A 90137.02166144 -.00000317  00000-0  99999-4 0   514
2 20570   0.0523  15.3218 0007680 110.1335 231.8008  1.00108506   295
1990 034B
1 20571U 90 34  B 90135.25637826  .00001978  00000-0  32479-3 0   554
2 20571  22.7504 176.4934 0628149 118.0040 248.5409 13.82067297  4332
1990 034C
1 20572U 90 34  C 90135.84989660  .00032231  00000-0  39037-2 0   491
2 20572  18.9297 347.9472 7375661 200.8035  96.7659  2.18270624   692
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Cosmos 2074
1 20577U 90 36  A 90136.03907435  .00000094  00000-0  93615-4 0   474
2 20577  82.9451 138.3064 0025496 217.6457 142.2914 13.73710956  3463
1990 036B
1 20578U 90 36  B 90142.63696705  .00000143  00000-0  13889-3 0   539
2 20578  82.9423 133.3810 0019220 181.1997 178.9117 13.75020736  4373
HST
1 20580U 90 37  B 90157.74572456  .00002439  00000-0  26731-3 0   829
2 20580  28.4703 316.0141 0005785  20.6795 339.3984 14.84389289  6428
Cosmos 2075
1 20581U 90 38  A 90144.24709396 -.00004275  00000-0 -17923-3 0   877
2 20581  74.0254 356.0235 0023185 277.7210  82.1092 15.23022306  4379
1990 038B
1 20582U 90 38  B 90142.57824248  .00024584  00000-0  98348-3 0   723
2 20582  74.0294 359.4297 0031040 293.1471  66.6509 15.24541833  4124
Molniya1-77
1 20583U 90 39  A 90144.15730607  .00000070  00000-0 -16867-2 0   793
2 20583  62.7982 183.9973 7353596 288.2139   9.5835  2.00619305   573
1990 039B
1 20584U 90 39  B 90144.83967752  .03903616  41472-4  10039-2 0  1048
2 20584  62.7619  78.2685 0067648 125.7776 235.2487 16.21902308  4540
1990 39D
1 20586U 90 39  D 90143.60954820  .00000419  00000-0  68663-3 0   226
2 20586  62.8248 184.0281 7395335 288.1806   9.3720  1.96420289   535
Cosmos 2076
1 20596U 90 40  A 90151.40303225 -.00001233  00000-0  79009-3 0   438
2 20596  63.0666 334.8186 7375665 318.5072   4.4103  2.00587266   669
1990 40B
1 20597U 90 40  B 90148.20589656  .39662252  43947-4  29451-3 0   822
2 20597  62.7886 226.6703 0013442 121.7004 238.9820 16.52106649  4698
1990 40D
1 20599U 90 40  D 90150.97163910 -.00000504  00000-0 -84377-3 0   296
2 20599  63.1771 334.5570 7351260 318.5828   4.4750  2.03474794   660
Cosmos 2077
1 20604U          90158.37886313  .00725924  40759-4  27080-3 0   814
2 20604  62.8257 333.1699 0060076 101.9574 258.8145 16.19247749  4933
1990 043A
1 20607U 90 43  A 90154.58485080  .00001120  00000-0  20723-3 0   192
2 20607  89.8914 194.9155 0111658 193.2628 166.5623 14.60797763  3634
1990 043B
1 20608U 90 43  B 90156.63732514  .00001208  00000-0  22219-3 0   243
2 20608  89.8880 194.8777 0113098 185.9515 174.0359 14.60976579  3936
1990 043C
1 20609U 90 43  C 90158.04272350  .00002861  00000-0  46262-3 0   259
2 20609  89.6516 194.0171 0061245 223.5827 136.0538 14.69865436  4163
Cosmos 2078
1 20615U          90158.37720371  .00197490  70517-5  14302-3 0   671
2 20615  69.9871 355.5385 0057186  63.4735 297.2329 16.11825372  3705
Cosmos 2079
1 20619U 90 45  A 90158.34964756 -.00000015  00000-0  99999-4 0   327
2 20619  64.8781  39.3223 0112084 293.8514  65.0395  2.16695999   413
Cosmos 2080
1 20620U 90 45  B 90157.95794243 -.00000015  00000-0  99999-4 0   316
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2 20620  64.8642  39.3398 0008394  35.3122 323.5262  2.13116105   415
Cosmos 2081
1 20621U 90 45  C 90158.01787985 -.00000015  00000-0  99999-4 0   275
2 20621  64.8936  39.3435 0011990 201.8322 158.1664  2.13104100   412
1990 045E
1 20623U 90 45  E 90157.58152101 -.00000015  00000-0  99999-4 0   140
2 20623  64.8887  39.3528 0010572 338.3290  21.6928  2.13414266   400
Cosmos 2082
1 20624U 90 46  A 90157.93797763  .00000192  00000-0  12640-3 0   276
2 20624  70.9987 331.8707 0004985  24.6719 335.4671 14.12167408  2229
1990 046B
1 20625U 90 46  B 90157.50064328  .00000135  00000-0  82761-4 0   127
2 20625  71.0017 332.7393 0015618 324.5381  35.4708 14.13306829  2163
RESURS-F
1 20632U          90158.33324088  .00058061  00000-0  89185-4 0   308
2 20632  82.3325  12.5786 0009662 279.1301  80.8865 16.03998167  1458
Kristall
1 20635U          90158.47684551  .00037857  00000-0  52092-3 0   283
2 20635  51.6219  19.6431 0025887 300.6576  49.2469 15.56490615  1123
1990 048B
1 20636U 90 48  B 90158.01145399  .01322133  56734-4  70784-3 0   199
2 20636  51.6289  20.9710 0047722 115.2729 246.2898 16.16274986   951
1990 049A
1 20638U 90 49  A 90157.50950153  .00001326  00000-0  13464-3 0    96
2 20638  52.9871  97.6478 0013898 313.0357  46.9464 14.97548511   687
1990 049B
1 20639U 90 49  B 90156.12811349  .00006926  00000-0  31515-3 0    51
2 20639  52.5172  97.3647 0075626 258.1541 101.0934 15.19333934   494
1989 100N
1 20640U 89100  N 90158.39260232  .00104636  00000-0  49542-2 0    98
2 20640  73.5286 114.0673 0012065 203.4022 156.5470 15.18754076 24608
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Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology
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>>>>OTHER MEANINGLESS DRIBBLE DELETED!!!<<<<<<

From -475456469851587662
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15cdff01475dad2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 13:20:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!ncar!umigw!rsmas!eakin
From: eakin@rsmas.miami.edu
Newsgroups: rec.ham-radio
Subject: Re: Lat and Long listings?
Message-ID: <8142.26a2eab9@rsmas.miami.edu>
Date: 17 Jul 90 14:38:49 GMT
References: <9007171126.AA18235@ucsd.edu>
Lines: 17
Posted: Tue Jul 17 15:38:49 1990

In article <9007171126.AA18235@ucsd.edu>, tom@ARO-EMH1.ARMY.MIL ("T-DOLIGALSKI")
writes:
> For MS-DOS, you can use PC USA to get the latitude and longitude of cities
> within the US...I imagine you will have the same capability using PC Globe
> for international use (don't have that one to try though).
>
>   73, Tom N9CGD

PC Globe is a little restricted in its listings, but works OK for capitols and
a few other cities in each country (I was annoyed that it didn't have Miami!).

73 de Mark

--
C. Mark Eakin
Internet: Eakin@RSMAS.miami.edu
Amateur Radio: N4SYK   Packet Radio: N4SYK@AB4LU.FL.USA.NA
USnail: Univ. of Miami, RSMAS-BLR, 4600 Rickenbacker Cswy. Miami, FL 33149-1098

From 5706128528470527552
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a358e50b3f03467a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 14:51:30 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!purdue!iuvax!
noose.ecn.purdue.edu!news
From: wb9omc@ea.ecn.purdue.edu (Duane P Mantick)
Newsgroups: rec.ham-radio
Subject: ARRL/QSL bureaus
Message-ID: <1990Jul17.182130.26397@ecn.purdue.edu>
Date: 17 Jul 90 18:21:30 GMT
Sender: news@ecn.purdue.edu (USENET news)
Organization: Purdue University Engineering Computer Network
Lines: 30
Posted: Tue Jul 17 19:21:30 1990

>>From: winter@Apple.COM (Patty Winter)
>In article <1990Jul10.225004.8472@iex.uucp> bert@neptune.iex.com (Bert Campbell)
writes:
>>He wanted a QSL, and asked if he should just send his "through the bureau".
>>I didn't know much what he was talking about, except that you needed
>>to be an ARRL member to get this service, so I said, "OK", and mailed
>>in my $25.
>Not true. You don't need to be a League member in order to receive
>QSLs mailed to you from other countries--only to send them out yourself
>through the ARRL bureau.

Well, it is ALMOST as bad - trying to send a DX QSL card out direct
is a very distinctly hit-and-miss operation as best. I get the idea,
from talking to and listening to, hams who do a lott of overseas DX
that direct mailing results in about a 50% or less response. Going

out through the bureau results in a much higher percentage if for
no other reason than the persons at both ends are in the "businesss"
fo dealing with QSL's (referring to bureau managers here). Thus, the
league, while saying "sure, you can send us xx bucks and we'll send
you anything we might happen to have for you" is turning around and
slapping you with the other hand and saying "but, you can't use our
service EVEN if you want to pay for it unless you are a member".

Which means, if you want to DX but you don't want to be an ARRL member
you are partly screwed as far as cards go. Since you need confirmation
to get an award like DXCC (and I suppose you have to be a memmber to
get that too......) you are in deep doo-doo if you are only getting
a 50% or less response!

Duane
WB9OMC

From -8430693832701703960
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6131342faaaee59,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,c6131342faaaee59,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 105d97,c6131342faaaee59,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-07-17 15:03:40 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.electronics
Subject: DSP Mania and books
Keywords: DSP Theory modems implementation
Message-ID: <748@idacrd.UUCP>
Date: 17 Jul 90 17:07:49 GMT
Followup-To: rec.ham-radio
Organization: idacrd, princeton, nj
Lines: 63
Xref: gmdzi rec.ham-radio:12962 rec.ham-radio.packet:2553 sci.electronics:7493
Posted: Tue Jul 17 18:07:49 1990

RE: DSP Mania and books on the subject

Howdy:

Many people send me notes asking what DSP texts should be considered for an
introduction. They always want the impossible however. One that is trivial
to understand, does not require mathematics, and tells them how to write
V.32 full duplex echo cancelling modems with the fastest Viterbi trellis
decoder on the planet or does all the ham radio modes without operator
intervention ;-). It should be clear that all these goals are
contradictory (I don't want to say mutually exclusive even if I do personally
believe this). I have two favorites, which show my bias towards modems.

Theory and Practice of Modem Design by John A.C. Bingham, Wiley-Interscience

and

Digital Communication by Edward Lee and ??? Messerschmidt.

(I can never remember Messerschmidt's first name or initial). I've forgotten the publisher and I left the book at home.

All the other applications that I need to do code for (speech encoders, FFT code, etc.) can be sewn together from the code given away by the chip/board manufacturers. There are no real practical `how to' books that give code examples to aid you in putting together modems that I know of with the single exception of a booklet put out by TI. The individual chip manufacturers run BBS's, have PD libraries with loads of source,etc. and TI has put out a booklet for a 300/1200 bps telephone modem. This booklet has source, little aid in putting it together as a working system, and almost no information on the criteria which went into the modem design. It also uses 1st generation DSP chip technology from TI and a major translation job is required. Motorola has given away source for a V.32 trellis Viterbi decoder for the DSP56001.   Not included is the rest of the modem which includes the difficult equalization, near-far echo cancellation, and data aided carrier recovery for the `non-round' constellation. The technical discussion given with the V.32 trellis decoder is appallingly bad. Don't hope to understand what is being done on the basis of what is in this booklet. Having written these decoders for a number of projects (always before in a high level language) I became so confused that I decided to start from scratch, but it is there for the taking. I am certain that I am being thick and just didn't like the exposition. Maybe for you it will all be crystal clear. It can be gotten from any Motorola Semiconductor division outlet from their tech manual/ reference works library. Just walk in grab a plastic bag (paper sack if you are environmentally conscious) and walk out with more books than you can carry. I am sure that TI does the same, I just haven't had the opportunity to do this yet. TAPR and AMSAT are working on DSP hardware for amateur radio modem use and will consist of a TMS320C25 plug in card with 85C30 for protocol work. There is code available from the TAPR AMSAT project available for anonymous ftp on tomcat.gsfc.nasa.gov. This code was written for the Delanco Spry TMS320C10 boards we were using at the time. I am sure it will be translated to the 320C25.

I hope this helps some.

Bob McGwier
<N4HY>
--

```
---------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
---------------------------------------------------------------------------
```

From -6615145533376382139

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b8431cdde007d86b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 16:24:23 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!zaphod.mps.ohio-state.edu!sunybcs!bowen
From: bowen@cs.Buffalo.EDU (Devon E Bowen)
Newsgroups: rec.ham-radio
Subject: callsign servers sources available
Message-ID: <30912@eerie.acsu.Buffalo.EDU>
Date: 17 Jul 90 20:42:33 GMT
Sender: news@acsu.Buffalo.EDU
Reply-To: bowen@cs.Buffalo.EDU (Devon E Bowen)
Organization: State University of New York at Buffalo/Comp Sci
Lines: 16
Posted: Tue Jul 17 21:42:33 1990
Nntp-Posting-Host: castor.cs.buffalo.edu

A number of people have asked me in the past for the sources to my callsign server and my standard answer has been that the code is really awful and I wanted to clean it up before sending it out. Well, that cleaning hasn't taken place and the queue keeps getting larger rather than smaller so I'm just going to make it available as is.

Anyone interested can ftp it from ftp.cs.buffalo.edu. It's in the pub/ham-radio directory. I'm willing to mail it out to anyone interested that's not on the Internet. You'll need compress and tar to unpack it. And it uses Berkeley style regular expression libraries. So you may need to tweak that to fit your own system.

Good luck and if you make any improvements or have any questions, please let me know.

Devon

From 2165974606241225642
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4e4eca4262b1347c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 16:27:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: liscence
Message-ID: <7880187@hpfcdc.HP.COM>
Date: 17 Jul 90 23:27:10 GMT
References: <1073@enuxha.eas.asu.edu>
Organization: HP Ft. Collins, Co.
Lines: 4
Posted: Wed Jul 18 00:27:10 1990

> The good news is the U.S. licence is free and lasts 10 years...

The Novice test is free, but expect to pay $4-5 to the examiners to
cover the costs of the higher level tests. (Still one heck of a deal.)

```
From 1845491823054866154
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d9641dd0fe16fb4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 16:34:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!HICKAM-EMH.AF.MIL!
1843eie
From: 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE")
Newsgroups: rec.ham-radio
Subject: Fundamental Overload
Message-ID: <9007172126.AA09266@uunet.uu.net>
Date: 17 Jul 90 21:26:48 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 44
Posted: Tue Jul 17 22:26:48 1990
X-Unparsable-Date: 17 Jul 90 11:21:00 GMT-10:00
```

INTEROFFICE MEMORANDUM

```
                                        Date:      17-Jul-1990 11:18am HST
                                        From:      1843EIG/EIE
                                                   1843EIE
                                        Dept:      1843EIG/EIE
                                        Tel No:    656-1158

TO:  Remote Addressee                     ( _INFO-HAMS%UCSD.EDU@UUNET.UU.NET )
```

Subject: Fundamental Overload

>"Fundamental overload" is the overload of a receiver's front end by a
>transmitter's intended (fundamental) output frequency. It is caused when
>the receiver's filters and shields are inadequate to prevent the receiver's
>front end from being overloaded by the transmitter's output power.
>
>It should understood here that the transmitter is not operating on the same
>frequency that the receiver is intended to receive.
>
>If the receiver is adequately shielded, fundamental overload can sometimes
>be helped by providing the receiver with better bandpass filters. That is,
>bandpass filters that strongly attenuate any frequencies that are outside of
>the receiver's intended frequency range.
>
>The shielding on receivers intended for the mass consumer market is generally,
>...well...cheap. Very few if any of the manufacturers intendefor their

```
>receivers to be used in the near vicinity of transmitters.  If they had, TVI
>and its cousins might be non-existant.
>
>                Chuck Harris - WA3UQV
>                chuck
Thanks, Chuck, and the others who responded...I told you I was risking
showing my ignorance!

I already realized that filters will help eliminate harmonics and in cases
where the receiver is well-shielded...guess I just jumped into the assumption
that all receivers are poorly shielded (seems that way, these days :-( :-( ).

73,
Jeff Miller  WD6CQV/KH6  AFA8JM
1843eie "at" HICKAM-EMH.AF.MIL


From 6829952994105387763
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,526395f460ea9371
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 16:34:03 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!
zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!nosc!cod!medin
From: medin@cod.NOSC.MIL (Ted Medin)
Newsgroups: rec.ham-radio
Subject: Re: Awesome Code system
Keywords: phoentics international morse code
Message-ID: <2002@cod.NOSC.MIL>
Date: 17 Jul 90 21:20:01 GMT
References: <23475@shamash.cdc.com> <635@ghp.UUCP>
Reply-To: medin@cod.nosc.mil.UUCP (Ted Medin)
Organization: Naval Ocean Systems Center, San Diego
Lines: 12
Posted: Tue Jul 17 22:20:01 1990

In article <635@ghp.UUCP> jim@ghp.UUCP (Jim Stewart) writes:
>In article <23475@shamash.cdc.com> vtcqa@shamash.cdc.com ( VTC) writes:
>>Bob Schoeing, W0BE, and he had the whole class doing code in 7
>>days ! (!!!!).  It worked on phoenetics. I have lost the entire alphabet,
>>H Hit it a bit
>>A about
>   V - intro to Beethoven's 5th (??)

 Problem with this is your mind cant handle this reading higher speeds (>13wpm)
Think you have to learn the sounds like a musical note and not count dits
and dahs. Any way thats one mans opinion. I have found that i can copy
20 wpm but cant write 20 wpm :-(


From -2174671005562616117
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b068affc1b8c865
```

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 16:34:56 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Ham radio's value (Was: Re: Communicator Class)
Message-ID: <7880189@hpfcdc.HP.COM>
Date: 17 Jul 90 23:34:56 GMT
References: <25883@usc.edu>
Organization: HP Ft. Collins, Co.
Lines: 21
Posted: Wed Jul 18 00:34:56 1990

> If hams are so public-service oriented, do all of YOU know CPR? (etc)...

Nicely put. I agree.

> I personally would never have dreamed of getting [a Communicator
> license].

Why not? If it met your needs?

I've had my Tech for five busy weeks and read this group for about that long. It seems to me like a lot of people get caught up in the (relatively arbitrary) social structures and conventions of this hobby and forget about "reality". Such as: What do you enjoy about using the radio? What are your personal interests, goals, and exciters? What must you do to attain them?

I got into ham because I saw HTs in action (marine band) and wanted 2 meter privileges. Keeping that goal in mind has helped me focus my time and energy. (Alas, there are a lot of related "funs", I'm finding, like creating a personal 12V connector system for all my various toys, and exploring 10m HF, and checking into nets, and ...)

From -2775957112275618746
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61b38504f909074a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 16:45:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Lat and Long listings?
Message-ID: <7880190@hpfcdc.HP.COM>
Date: 17 Jul 90 23:45:34 GMT
References: <31782@cup.portal.com>
Organization: HP Ft. Collins, Co.
Lines: 12
Posted: Wed Jul 18 00:45:34 1990

> I need something that can provide accurate (but not down to seconds) Lat
> and Long coordinates for a given city or area.

Do you mean a computer database, or a Global Positioning Satellite (GPS) receiver?

If you want great data for any one state, at about $75/tape, contact the US Geological Survey. Send me mail for details.

If you don't mind looking up and transcribing from paper, check the back of various atlases at a library. In particular, I like Rand McNally's "Earth and Man" for worldwide locations accurate to 1 minute.

From 2630126762580964672
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc07198dd56f7e99
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 17:49:25 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!rutgers!att!cbnewsj!k2ph
From: k2ph@cbnewsj.att.com (The QRPer)
Newsgroups: rec.ham-radio
Subject: Re: World Radiosport Team Championship
Message-ID: <1990Jul17.125918.12471@cbnewsj.att.com>
Date: 17 Jul 90 12:59:18 GMT
References: <43035@apple.Apple.COM>
Organization: QRM Central
Lines: 40
Posted: Tue Jul 17 13:59:18 1990

From article <43035@apple.Apple.COM>, by winter@Apple.COM (Patricia Winter):
> In article <913@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>>
>>Points: 50 pts. each WRTC/WG each band/mode.
>>3 pts. different continent.
>>2 pts. same continent, different country.
>>2x pts each CW QSO.
>>Multipliers: US, VE, JA call areas, DXCC countries, WRTC stations.
>>Scoring: QSO points x multipliers = final score.
>
> Tad--
>
> With all the interest being generated within the United States about
> this contest (such as by packet messages like the ones you posted :-)),
> it seems unfortunate that once a Seattle contest station has worked
> each of the 10 U.S. call areas, no further stateside QSOs will count
> for anything.

... lots of stuff deleted along the way ...

The rules that I have, courtesy of Chod Harris and the DX Magazine, say 1 point for QSOs with the same country. So, stateside QSOs will

still count. However, they will be able to work a million JAs, etc.
for three times as many points!

Looks like a pretty curious contest. I really don't have a clue as
to strategy for this one!

Anywho, good luck to everybody!

```
*******************************************************************
* These lines added so our news mailer doesn't barf all over this *
* posting.  Sorry about the wasted bandwidth.                     *
*******************************************************************
```

```
--
=========================================================================
Bob Schreibmaier K2PH  | UUCP: att!oblivion!k2ph or k2ph@oblivion.att.com
AT&T Bell Laboratories | ARPA: k2ph%oblivion@att.arpa
Lincroft, N.J. 07738   | ICBM: 40o21'N, 74o8'W
```

From 3756745231296247993
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e0dd41af5d0f0b8f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-17 18:53:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpcc01!hp-ptp!bmp
From: bmp@hp-ptp.HP.COM (Brian Perkin)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood PB-2 nicad packs, open w/o destroying?
Message-ID: <2700012@hp-ptp.HP.COM>
Date: 18 Jul 90 01:53:34 GMT
References: <2700011@hp-ptp.HP.COM>
Organization: HP Pacific Technology Park - Sunnyvale, Ca.
Lines: 12
Posted: Wed Jul 18 02:53:34 1990

I got the PB-2 apart. It was a big job and took a combination
of prying and cutting through the joints with a knife. If
you do it use a short bladed knife so you don't cut into the
cells. Glue was used liberally inside. Mine has 2 dead cells
(of seven). I ended up cutting all the seams. If possible,
there are two seams not to cut that would make it go back
together easier. Those are on the top of the pack and
run from front to halfway back on each side. They are the guides
that align the front and back and work like drawer guides.
I suspect they don't get glue applied.

Brian

From -2359665809216744877
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,db1c2386a679a0b1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 11:03:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.UUCP (Constructive Frivolling)
Newsgroups: rec.ham-radio
Subject: phonetics
Keywords: variations
Message-ID: <33956@ut-emx.UUCP>
Date: 13 Jul 90 18:03:17 GMT
Organization: The University of Texas at Austin, Austin, Texas
Lines: 55
Posted: Fri Jul 13 19:03:17 1990

nicholso@hpcuha.HP.COM (Ron Nicholson) says:

When listening to DX stations I've been hearing a seemingly standard phonetic alphabet, different from the published International Phonetic Alphabet. The letters that I've seen [sic] used are:

A America
G Germany
I Italy
J Japan
K Kilowatt
M Mexico
N Norway
R Radio
U United
W Washin[g]ton
Y Yokohama

I think most of these come from the earlier phonetic list that was in use more than 20 years ago (at least, my G call in the mid-60s was
Germany 3 Norway   Mexico Xray, whereas now it would be
Golf   3 November Mike   Xray).

I don't think these are so bad to use - in fact, I have to think hard whether I is now India or Italy, and whether U is Uniform or United.

In fact, I suggest that some of them are better than what we use now. "Mike" is not nearly as clear as "Mexico" (I suppose the argument is that there are only 2 single-syllable phonetics at the moment, and there is rarely confusion between Mike and Golf). Our club call is W5EHM, quite often if I use Whiskey 5 Echo Hotel Mexico (instead of Mike), then someone who hears me only weakly will say "who's the station with Mexico in the call?" Same thing (I think) with Kilowatt as against Kilo. It also makes sense to use T = Tokyo in the Japan DX contests :-) I believe H = Hotel is a bad one, since in many countries the stress is on the second syllable, with the H not even sounded. In some cases, Hotel can sound strangely like Alpha - I listened to what I thought was a 9A station for a long time (strong signal) before it dawned on me that it was 9H (the clues were (1) there aren't any 9As, and (2) the guy said "on the island of Malta" eventually :-)).

Anyway, the ones listed by the poster are in common use, and while the purists may frown on them, they are a whole lot better than those "cute" ones that, along with CB expressions, 10-10 numbers given in dollars and cents, callsigns "for ID" and other abominations drive many of us up the wall - or, in my case, back to the relative peace of CW :-)

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From -1569526237488377185
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fdf0a0915cac6162,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 11:05:10 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!STL-06SIMA.ARMY.MIL!wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: Re: HRO-500
Message-ID: <9007131909.AA10539@ucsd.edu>
Date: 13 Jul 90 18:05:10 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 47
Posted: Fri Jul 13 19:05:10 1990

WOW! An HRO-500 for $150?!?!?! If it works OK, that will be a FANTASTIC buy!!!!

That was an over-$1500 rx back when a dollar bought something! (mid '60's, I do believe -- my references are at home....) It was a "dream receiver" that lots of SWLs and hams pined for and could only hope...

As I recall, it was National's second-to-last receiver; there was an HRO-600, but I don't know how it differed from the 500.

To bring things down to earth a bit, though, I do seem to recall that these were NOT easy to fix if anything was wrong. It may well be that this is sitting there for $150 because it requires impossible-to-find parts to fix, or has some nasty glitch that will require expertise to remedy, and the last expert in these retired 12 years or so ago...

The other thing to consider is that early high-end solid-state receivers tended to be more hype than substance. The digital readout was so snazzy to those of us that were used to drum-dial and disc-dial analog tube rxs, and the instant-on and "eternal life" of transistors vs. tubes was so enticing, that these features blinded us to the basic defects of that generation of solid-state electronics. It was like the early high-end transistorized hi-fi gear, which really sounded far worse than the tube gear people replaced with it. That generation of solid-state receivers had cross-modulation and dynamic range problems that were far worse than the mature tube-rx designs they replaced. I made the foolish mistake, back in '68 or thereabouts, of trading in my fine Hallicrafters SX-96 and paying full list ($895! sob!) for a Hy-Gain Galaxy R-530. That was a reciver you bought if you couldn't afford or justify the HRO-500 -- it didn't have actual digital frequency display, but it had a dial readout to 1 kHz accuracy. Sounds silly in these days of $50 DAK digital-display radios, but it was a big deal back then...

Be that as it may, I'd jump at the chance for an HRO-500 anyway. Even if it doesn't work, it still looks sexy in shack photos! Love that National HRO dial... (which is a mechanical nightmare inside, I believe... :-).

I seem to recall that the HRO-500 used nixie tube displays for the digital readout; am I right in that? Those do wear out; can you get replacements these days?

Regards, Will
wmartin@st-louis-emh2.army.mil OR wmartin@stl-06sima.army.mil

PS Please end your items with a simple mailing-address line like the above; the note I'm responding to on the SWL list had a garbaged "From:" field that equated to the "news" account on the originating system, it seems, and there was no poster-furnished address to use. WM

From 3134747858833759641
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 11:45:26 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!dali.cs.montana.edu!milton!uw-beaver!sumax!quick!amc-gw!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: Was Re: The Demise of HR Magazine and Comments on CQ
Message-ID: <898@ssc.UUCP>
Date: 13 Jul 90 18:45:26 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com> <894@ssc.UUCP>
Organization: SSC, Inc., Seattle, WA
Lines: 13
Posted: Fri Jul 13 19:45:26 1990

In article <894@ssc.UUCP>, tad@ssc.UUCP (Tad Cook) writes:
>
> Back in the mid-60s he formed this alternative to the ARRL, and it took

> in a fair ammount of money in memberships. They were going to be a
> lobbying organization, and he had all kinds of ideas about things they
> were going to do. Funny thing....it kinda faded away, and Wayne found
> less and less to write about it. Where did the money go?

When he gets into his "Poor old Wayne" mode and I start to feel sorry for him, I remember an editorial circa 1968 about how he made a killing in Silver Futures. Hmmmm, the timing is about right.

markz@ssc.uucp

```
From -5992948392982070021
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 12:26:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!dali.cs.montana.edu!milton!uw-beaver!sumax!quick!amc-gw!
pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Wayne and Byte...
Summary: oops
Message-ID: <899@ssc.UUCP>
Date: 13 Jul 90 19:26:25 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com>
<897@ssc.UUCP>
Organization: very little
Lines: 27
Posted: Fri Jul 13 20:26:25 1990
```

In article <897@ssc.UUCP>, tad@ssc.UUCP (Tad Cook) writes:
> In article <25204@bellcore.bellcore.com>, mo@messy.bellcore.com (Michael O'Dell) writes:
> > Wayne Green didn't start Byte, he started a competitor to Byte
> > called Kilobaud. It lasted about a year. I still have a compete set.
>
> Yes, Wayne DID start Byte. He started Kilobaud after his wife and the
> editor of Byte took off with the magazine. He had it in his wife's name
> because of tax problems. He started Baud after Byte, but was sued by
> the new Byte, so he changed it to KILObaud.

OOPS! I was a bit confused here. Must be getting old. Wayne started KILOBYTE after Byte "moved out" of his offices. (He told me at a hamfest once that he never knew that someone could "steal" a magazine). Lawyers intervened, so he changed it to KILOBAUD.

>
Tad Cook

```
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP
```

```
From -8870441375144498886
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16d0a1d7bde0f8ce
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 12:27:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cica!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: HAM RADIO IN DANGER
Message-ID: <330.269E311B@w8grt.fidonet.org>
Date: 13 Jul 90 19:27:44 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 31
Posted: Fri Jul 13 20:27:44 1990


 > In an article of <9 Jul 90 20:45:00 GMT>, phil@ux1.cso.uiuc.edu writes:
 >
 >  pA>@EID:16d6 14eab880
 >  pA>@UFGATE newsin 1.27
 >  pA>From: phil@ux1.cso.uiuc.edu
 >  pA>Date: 9 Jul 90 20:45:00 GMT
 >  pA>Message-ID: <30500590@ux1.cso.uiuc.edu>
 >  pA>Newsgroups: rec.ham-radio
 >  pA>
 >  pA>If businesses keep folding and/or dropping from the ham market, where
 >  pA>are
 >  pA>we going to buy all our appliances?
 >  pA>
 >
 >         How about trying to build your gear? We are suppposed to be
 > experimenters aren't we?
 >
 >
 > Dwayne Rich/KC4ADW

Knowing Phil Howard, I'm sure he was kidding.... I hope.

--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: {ncar!asuvax!stjhmc!,iuvax!ndmath!nstar}!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From 1367841095400771506
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d2bcdae3b7463a5c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 13:48:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!texbell!texsun!newstop!sun!plx!sharpe
From: sharpe@plx.UUCP (Dave Sharpe)
Newsgroups: rec.ham-radio
Subject: Equipment question.
Keywords: Heathkit
Message-ID: <2428@plx.UUCP>
Date: 13 Jul 90 20:48:57 GMT
Organization: Plexus Computers, San Jose, CA.
Lines: 14
Posted: Fri Jul 13 21:48:57 1990

I have acquired the following list of Heathkit tube type HAM radio gear and I would like to know what it is, when it was made, and where I can get a hold of the receiver to complete the set.

```
Antenna coupler...model AC-1
VFO...............model VF-1
Transmitter.......model AT-1
```

73
David W. Sharpe kc6fcc
sun!plx!sharpe

From -6697184222130090953
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 13:56:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!bionet!synoptics!jkaidor
From: jkaidor@synoptics.COM (Jerome Kaidor)
Newsgroups: rec.ham-radio
Subject: Re: Wayne and Byte...
Message-ID: <21723@mvis1.com>
Date: 13 Jul 90 20:56:05 GMT
References: <42871@apple.Apple.COM> <25204@bellcore.bellcore.com> <3721@altos86.Altos.COM>
Organization: SynOptics Communications Inc. Mountain View, Ca.
Lines: 5

Posted: Fri Jul 13 21:56:05 1990

I had a subscription to 73 magazine in the early seventies, and editorial space in several issues was devoted to blasting the IRS. Very entertaining reading.

- Jerry Kaidor, KF6VB

From 3326202748985390377
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 13:56:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!uwm.edu!wuarchive!udel!sbcs!ameristar!rick
From: rick@ameristar (Rick Spanbauer)
Newsgroups: rec.ham-radio
Subject: Re: Wayne and Byte...
Message-ID: <1990Jul12.234759.4984@ameristar>
Date: 12 Jul 90 23:47:59 GMT
References: <1990Jul10.170828.12138@cbnewsh.att.com> <42871@apple.Apple.COM> <2196@ryn.esg.dec.com>
Organization: Ameristar Technology, Inc
Lines: 31
Posted: Fri Jul 13 00:47:59 1990

In article <2196@ryn.esg.dec.com> taber@ultnix.enet.dec.com (Patrick Taber) writes:
>divot on your chest if you tried to read it while lying on the couch. I
>still have the first 24
>issues of BYTE -- I keep hoping they'll be worth something someday. It
>was a different
>world then.

I'll use this thread of rec.ham-radio to put a plug in for Circuit Cellar. If you're still into hacking your own hw/sw _systems_ then check out Circuit Cellar magazine. Though it definitely has a bent towards computerized embedded systems, lets just say that it has the requisite number of schematics in any issue to make a hardware hacker happy. The magazine definitely has the early spirit of BYTE recreated in toto by Steve Ciarcia & pals. They've convered some fringe RF/radio weanie stuff like monitoring Soviet TV satellites and building your own weather sat monitoring setup. The strangest thing written about to date is the soda bottle rocket launcher :-)

You can subscribe to Circuit Cellar magazine by calling:

(203) 875-2199

Note that I have no association with these guys except that I like their rag and will give it a plug whenever I see the chance :-)

> Patrick St. Joseph Teahan Taber

Rick Spanbauer
Ameristar

From 225565154269457942
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2be15d00eb336f66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 14:03:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!TECNET1.JCTE.JCS.MIL!mgb
From: mgb@TECNET1.JCTE.JCS.MIL
Newsgroups: rec.ham-radio
Subject: Callsign Server
Message-ID: <9007130402.AA20268@tecnet1.jcte.jcs.mil>
Date: 13 Jul 90 04:02:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Fri Jul 13 05:02:08 1990

I once had this information but have lost it (really dumb of me I know), but could anyone send me the IP number and socket for the callsign server, and is it still in existance?

Are there any OTHER servers "out there" that support other interesting functions that are "well kept secrets"?

Thanks for your time.

Mark Bitterlich
wa3jpy@wb4uou
mgb@tecnet1.jcte.jcs.mil

p.s. I am talking about an internet IP number and am not referring to the ampr servers. "You can't get there from here" :-)

From -5739136667358847971
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1fe885019cd4bebc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 14:06:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!math.lsa.umich.edu!spsd3260a.erim.org!hideg
From: hideg@spsd3260a.erim.org (Steve Hideg)
Newsgroups: rec.ham-radio
Subject: Re: Some CW procedure questions
Message-ID: <1990Jul13.210634.5649@math.lsa.umich.edu>

Date: 13 Jul 90 21:06:34 GMT
Sender: usenet@math.lsa.umich.edu
Organization: Environmental Research Institute
 of Michigan
Lines: 21
Posted: Fri Jul 13 22:06:34 1990
References:<22480003@hpcuha.HP.COM> <36903@shemp.CS.UCLA.EDU>

In article <36903@shemp.CS.UCLA.EDU> cccph@eel.cs.ucla.edu (Charles Hobbs)
writes:

> In formal message handling, the procedural signal AS ("didahdididit")
> is used at the beginning of each transmission; however I have
> *never* heard it outside of W1AW bulletins and the like; it's not
> used in informal QSO's.

AS means "stand by." I've *never* heard it at the beginning of a transmission
in a traffic net. I have only heard stations (NCS in particular) use it to
say "stand by".

73
--Steve N8HSC
Net Manager, Southeastern Michigan Traffic Net

____
Steve Hideg (N8HSC)

hideg@spsd3260a.erim.org

From 3690369123127495409
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 14:09:17 PST
Path: gmdzi!unido!mcsun!uunet!midway!mimsy!mojo!chuck
From: chuck@eng.umd.edu (Chuck Harris)
Newsgroups: rec.ham-radio
Subject: Re: Wayne and Byte...
Message-ID: <1990Jul13.210917.9153@eng.umd.edu>
Date: 13 Jul 90 21:09:17 GMT
References: <1990Jul10.170828.12138@cbnewsh.att.com> <42871@apple.Apple.COM>
<25204@bellcore.bellcore.com>
Sender: news@eng.umd.edu (The News System)
Organization: College of Engineering, Maryversity of Uniland, College Park
Lines: 23
Posted: Fri Jul 13 22:09:17 1990

In article <25204@bellcore.bellcore.com> mo@messy.UUCP (Michael O'Dell) writes:
>Wayne Green didn't start Byte, he started a competitor to Byte
>called Kilobaud. It lasted about a year. I still have a compete set.
>

>Byte was started by Carl Helmers. I heard of Byte through the grapevine
>and sent him a letter subscribing to whatever he was doing.
>His reply letter is bit of cherished youthful memorobelia.
>
>   -Mike

- Guess Again! Wayne did too start Byte. He hired Carl Helmers as his
- Editor.
- Wayne's wife divorced him, and Byte was the divorce settlement.
- (she then went and married the new editor Pesche or something like that)
- Since Wayne believed that a microcomputer magazine was a good idea, he
- Started "KiloByte" magazine (get the pun, so did Byte!). Byte made him
- change its name, and that started "Kilobaud".

- I seem to recall that Helmers was publishing a small newsletter before
- Byte, but I am vague on this.

-         Chuck Harris - WA3UQV
-         chuck@eng.umd.edu

From -3099768772193192152
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31a77bf2d31630b2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 14:35:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!elroy.jpl.nasa.gov!ucla-cs!eel!cccph
From: cccph@eel.cs.ucla.edu (Charles Hobbs)
Newsgroups: rec.ham-radio
Subject: Electronics magazines -- was Re: Conversation with K2EEK, Editor CQ Magazine (Long)
Message-ID: <36942@shemp.CS.UCLA.EDU>
Date: 13 Jul 90 04:48:24 GMT
References: <1990Jul4.041831.24933@kodak.kodak.com> <24981@bellcore.bellcore.com> <16324@frog.UUCP> <877@ssc.UUCP>
Sender: news@CS.UCLA.EDU
Reply-To: cccph@eel.cs.ucla.edu (Charles Hobbs)
Organization: UCLA Computer Science Department/UCLA ARC W6YRA
Lines: 24
Posted: Fri Jul 13 05:48:24 1990

In article <877@ssc.UUCP> markz@ssc.UUCP (Mark Zenier) writes:
>Closer to home, the Ziff-Davis company tried 2 or 3 times to "broaden"
>the appeal of "Popular Electronics". Since the "Modern Electronics" staff
>was formed by veterans of this, maybe the editor at CQ should talk to
>the people across the hall.
>
What happened with Popular Electronics , as well as Elementary
Electronics (remember that one?), was that they became general
interest computer magazines during the time when the "home"
computers (Atari 400/800, TI 99/4, Vic 20, Timex-Sinclair)
were very popular. With the advent of the IBM PC clones, the

home computers became less popular, and many, if not all of the
magazines which covered four or five different machines went
out of business.

It's true that Modern Electronics was formed from some of the old
Popular Electronics staff; it's also true that Popular Electronics
has returned in its original form--as a general electronics
magazine.

```
------------------------------------------------------------------------
Charles P. Hobbs, N6YMK @ K6VE....
Internet: cccph.eel.cs.ucla.edu      Plink: oar001      Genie: C.HOBBS
-----------------------------------------------------------------------
```

From -1794038101271138716
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ecb79cf07c150082
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 15:13:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!aplcen!haven!mimsy!mojo!chuck
From: chuck@eng.umd.edu (Chuck Harris)
Newsgroups: rec.ham-radio
Subject: Re: Fundamental Overload (was FCC TVI Complaint)
Message-ID: <1990Jul13.221317.9449@eng.umd.edu>
Date: 13 Jul 90 22:13:17 GMT
References: <9007131353.AA08667@uunet.uu.net>
Sender: news@eng.umd.edu (The News System)
Organization: College of Engineering, Maryversity of Uniland, College Park
Lines: 30
Posted: Fri Jul 13 23:13:17 1990

In article <9007131353.AA08667@uunet.uu.net> 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/
EIE") writes:
>At the extreme risk of showing my ignorance, I'm a bit curious as to what
>filter configuration helps cut down fundamental overload. I always thought
>fixing that required relocation of the rig, the TV, the antennas, or some
>combination thereof.
>
>73,
>
>Jeff Miller   WD6CQV/KH6   AFA8JM
>

"Fundamental overload" is the overload of a receiver's front end by a
transmitter's intended (fundamental) output frequency. It is caused when
the receiver's filters and shields are inadequate to prevent the receiver's
front end from being overloaded by the transmitter's output power.

It should understood here that the transmitter is not operating on the same
frequency that the receiver is intended to receive.

If the receiver is adequately shielded, fundamental overload can sometimes be helped by providing the receiver with better bandpass filters. That is, bandpass filters that strongly attenuate any frequencies that are outside of the receiver's intended frequency range.

The shielding on receivers intended for the mass consumer market is generally, ...well...cheap. Very few if any of the manufacturers intended for their receivers to be used in the near vicinity of transmitters. If they had, TVI and its cousins might be non-existant.

Chuck Harris - WA3UQV
chuck@eng.umd.edu

From 15467991151850383
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5b053251708b17e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 15:23:03 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!decwrl!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Holbrook House, Swindon")
Newsgroups: rec.ham-radio
Subject: Info-hams from /DEV/NULL?
Message-ID: <13.Jul.90.09:44:35.BST.#4507@UK.AC.NWL.IA>
Date: 13 Jul 90 08:41:22 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 21
Posted: Fri Jul 13 09:41:22 1990

Hi; *** what happened to the SIMTEL20 feed?***
I used to get files via Tel Aviv (TAUNIVM) but then they stopped...
I got nothing for about a month, then these ones start coming from /DEV/NULL on UCSD.EDU, which causes my mailer some grief! (/DEV/NULL is a damn fool name for a mail originator!)

```
   Pete Lucas         PJML@UK.AC.NERC-WALLINGFORD.IBMA       0793411613

Please use the following addresses for reply:          +      "/Natural
                                                       +     "/"Environment
JANET    : PJML@UK.AC.NERC-WALLINGFORD.IBMA            +    "/"/Research
Internet : PJML%IA.NWL.AC.UK@NSFNET-RELAY.AC.UK        +   "/"/"Council
EARN     : PJML%UK.AC.NWL.IA@UKACRL                    +  NERC Computer Services
AX25     : G6WBJ@GB7SDN.GBR.EU  "144.650MHz"           +   Holbrook House
SPAN     : STAR::"PJML%IA.NWL.AC.UK@NSFNET-RELAY.AC.UK +    Station Road
PHONE    : +44 (0)793411613                            +     SWINDON SN1 1DE
FAX      : +44 (0)793411503                            +      GREAT BRITAIN
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
+                        'The One-Nighters'   86.437.5                         +
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
```

From 7279294473936905584
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 15:29:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!orc!inews!cadev4!swilhel
From: swilhel@cadev4.intel.com (Spence Wilhelm)
Newsgroups: rec.ham-radio
Subject: QRP kits?
Summary: Any QRP kits available for 10, 15, 20 and 40 meters?
Message-ID: <2480@inews.intel.com>
Date: 13 Jul 90 22:29:19 GMT
References: <1990Jul10.170828.12138@cbnewsh.att.com> <42871@apple.Apple.COM> <25204@bellcore.bellcore.com> <1990Jul13.210917.9153@eng.umd.edu>
Sender: news@inews.intel.com
Reply-To: swilhel@cadev4.UUCP (Spence Wilhelm)
Organization: Corporate CAD, INTeL Corporation, Santa Clara, CA
Lines: 9
Posted: Fri Jul 13 23:29:19 1990

Does anyone know where I might get QRP rig kits? I'm interested in single band and multiple band kits.

TNX,

Spence Wilhelm
swilhel@cadev4.intel.com
KB5CYX
(602)554-5050

From -8580566878499531430
X-Google-Language: GERMAN,ASCII-7-bit
X-Google-Thread: 10c9e3,37365d45d8923148
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 12f11c,37365d45d8923148
X-Google-Attributes: gid12f11c,public
X-Google-ArrivalTime: 1990-07-13 21:57:24 PST
Path: gmdzi!unido!rmi!infoac!bpk
From: bpk@infoac.rmi.de (Bernd P. Kieck)
Newsgroups: dnet.ham,rec.ham-radio
Subject: DEUTSCHLAND-RUNDSPRUCH DES DARC NR. 26/90 VOM 06.07.1990
Message-ID: <884@infoac.rmi.de>
Date: 13 Jul 90 16:25:13 GMT
Reply-To: "Bernd P. Kieck" <bpk@infoac.rmi.de>
Followup-To: dnet.ham,rec.ham-radio
Distribution: eunet
Organization: RMI Net * Aachen/Hamburg/Flensburg * W.Germany
Lines: 140
Xref: gmdzi dnet.ham:321 rec.ham-radio:12853
Posted: Fri Jul 13 17:25:13 1990

DEUTSCHLAND-RUNDSPRUCH DES DARC NR. 26/90 VOM 06.07.1990

TRIER:

Der langjaehrige Redakteur des DX-Rundspruchs Hans-Georg Goebel, DK1RV, hat das DX-Referat aus persoenlichen Gruenden gebeten, den DX-Rundspruch in neue Haende zu legen. Die deutschen DX-Amateure sind DK1RV zu grossem Dank verpflichtet fuer die zuverlaessige Gestaltung des DX-Rundspruchs in den vergangenen Jahren. Gleichzeitig teilt das DX-Referat mit, dass der DX-Rundspruch des DARC und des RSV ab sofort ueber die Station Y62DXR abgestrahlt wird. Redaktion und Bearbeitung liegen bei Ulf Ehrlich, Y42MK. Der Rundspruch wird wie bisher freitags um 17:00 UTC auf etwa 3.745 kHz abgestrahlt. Die zentrale Lage der Rundspruchstation in Thueringen garantiert optimale Empfangsmoeglichkeiten zu allen Jahreszeiten. Der Rundspruchredakteur wird in naechster Zeit ebenfalls mit dem DX-Packet-Cluster verbunden sein, so dass aktuelle Informationen direkt verarbeitet werden koennen.

DUISBURG:

Am 27.06.1990 fand vor dem Oberverwaltungsgericht Muenster die Verwaltungsrechtsberufungssache Gerd Kautz, DL5JP, gegen die Deutsche Bundespost Telekom statt. Seit 1985 verursachte der Klaeger in verschiedenen Empfangsanlagen seiner Nachbarn erhebliche Stoerungen. Messungen der Funkstoerungsmessstelle Duisburg ergaben, dass sowohl die mit FTZ-Nummer versehenen Empfangsanlagen der Nachbarn als auch die Geraetschaften des Funkamateurs in Ordnung waren. Gemaess Paragraph 16 Absatz 4 DV-AFuG wurde dem Funkamateur zur Auflage gemacht, eine Sendeleistung von maximal 10 Watt einzuhalten oder ausserhalb der ortsueblichen Fernsehsendezeiten Funkbetrieb durchzufuehren. Bei der Verhandlung im November 1988 vor dem Verwaltungsgericht Duesseldorf wurde vorgeschlagen, die Leistungsbeschraenkung von 10 Watt in 100 Watt abzuaendern. Das akzeptierte seinerzeit der Klaeger. Diese abgeaenderte Leistungsbeschraenkung war jedoch aus grundsaetzlichen Erwaegungen heraus nicht annehmbar. Im Berufungsprozess vor dem Oberverwaltungsgericht Muenster wurde neu verhandelt, ob derartige verfuegende Massnahmen ueberhaupt berechtigt seien. Dank der guten Argumentation des DARC-Justitiars Boyke Dettmers, DJ4KD, gegen diese Leistungsbeschraenkung hob die Deutsche Bundespost vor dem Senat des Oberverwaltungsgerichts in Muenster die Ordnungsverfuegung vom 17.12.1987 und den Widerspruchsbescheid vom 12.12.1989 komplett auf.

DARMSTADT:

Im ersten Halbjahr 1990 stieg die Zahl der Amateurfunklizenzen in der Bundesrepublik Deutschland um 840 auf 64.013, d. h. um 1,3 %. Die Verteilung der 61.024 Individuallizenzen blieb prozentual gleich, das heisst 54 % in der Klasse B, 3 % in der Klasse A und 43 % in der Klasse C. Club- und Relaisfunkstellen verzeichneten einen Zuwachs von 2 %. 1.164 zivile Auslaender stellen weiter 1,9 % der Individuallizenzen.

FRIEDRICHSHAFEN:

Vom 29.06. bis 01.07. fand in Friedrichshafen die 15. Ham Radio statt. Mit 16.429 Besuchern aus ueber 30 Laendern, 160 Direktausstellern aus neun Laendern sowie der erstmals grossen Beteiligung aus der DDR wurde eine neue Dimension dieser Ausstellung erreicht. Ueber 31 % der Gaeste kamen aus dem Ausland. Gleichzeitig mit der Ham Radio 90 beging der DARC als ideeller Traeger das 41. Bodenseetreffen. Neben zahlreichen Vortraegen und Treffen wurden vor allem die aktuellen Probleme des Amateurfunks in der Bundesrepublik diskutiert. So warnte der erste Vorsitzende des DARC, Guenther Matz, DJ8BN, in seiner Eroeffnungsrede davor, allein aus wirtschaftlichen Gesichtspunkten heraus das 70-cm-Band zu Gunsten anderer Bedarfstraeger zu beschneiden. Ebenso verfolge man, so DJ8BN, die Belegung der Sonderkanaele im Breitband-Kabelnetz der Deutschen Bundespost mit grosser Sorge. Die Ham Radio 1991 findet vom 28.-30.06. auf dem Friedrichshafener Messegelaende statt.

TOURS:

Im Rahmen einer Montblanc-Expedition im August soll eine Amateurfunkstation vom Gipfel des mit 4.810 m hoechsten Berges Europas betrieben werden. Die Expedition wird zwischen dem 10. und 20.08. 1990, abhaengig von der Wetterlage, aufbrechen und mindestens vier Tage, bei gutem Wetter zwei Tage laenger, dauern. Dabei ist ein 24stuendiges Biwak auf dem Gipfel vorgesehen. Unter dem Rufzeichen F8UFT werden die Operateure versuchen, mit moeglichst vielen Funkamateuren in Kontakt zu treten. Als Arbeitsfrequenzen sind vorgesehen: 144,100 MHz in CW, 144,330 MHz in SSB, 145,550 MHz in FM, 145,350 MHz via Relais FZ8VHB, 145,725 MHz via Relais HB9G, 438,500 MHz in ATV mit der Rueckruffrequenz 144,170 MHz in SSB und 144,150 MHz in FM. Ausserdem wird eine CW-Bake auf 144,050 MHz installiert. Vom Basislager gibt es aktuelle Informationen um 21:00 Uhr Ortszeit auf 3.610 kHz in SSB sowie um 21:30 Uhr Ortszeit auf 3.545 kHz in CW. QSL-Karten gehen via FD1JMH.

DOEBRIACH:

Vom 21.07.-12.08. findet in Doebriach am Millstaetter See in Kaernten/Oesterreich das diesjaehrige DX-Camp statt. Obwohl das DX-Camp in erster Linie fuer Freunde des Kurzwellen- und UKW-Rundfunks gedacht ist, sind auch Funkamateure sehr willkommen. Vom 29.07.-03.08. stellt die ADXB-OE eine Amateurfunkstation fuer

Kurzwelle und UKW mit dem Rufzeichen OE8XBC zur Verfuegung.

FUNKWETTERBERICHT: (03.07.)

Der ausgepraegte periodische Verlauf der Sonnenaktivitaet, der sich seit Jahresanfang herausgebildet hatte und der mit dem Monatsrhythmus zusammenfiel, scheint nun zu Ende zu gehen. Ursache war eine sehr ungleichmaessige Verteilung der Aktivitaetsgebiete auf der Sonne. Ob diese Umorientierung eine Erhoehung der Sonnentaetigkeit mit sich bringen wird, laesst sich zur Zeit noch nicht abschaetzen. Der Anstieg der Sonnenfleckenzahl und der 10-cm-Strahlung, der Ende Juni begonnen hatte, setzt sich weiter fort. Am 02.07. erreichte die Radiostrahlung 252 Einheiten. Wegen Verzoegerungen bei der Datenzustellung liegen keine aktuellen R-Werte hier vor. Jedoch duerfte Ende Juni nach der Skala von Boulder/ Colorado die Grenze von 300 Einheiten ueberschritten worden sein. Die Magnetik war bisher ruhig, allerdings sind schnelle Aenderungen dieses Zustandes jederzeit moeglich. Infolgedessen muss im Vorhersagezeitraum mit sehr wechselhaftem Funkwetter gerechnet werden.

BAUNATAL:

Fuer den Deutschland-Rundspruch beginnt jetzt eine mehrwoechige Sommerpause. Der naechste Rundspruch wird am 24.08. herausgegeben. Allen Lesern wuenscht die Redaktion eine erholsame Urlaubszeit.

Ende des DL-RS Nr. 26/90 vom 06.07.1990

Bearbeitung: DC7XJ

..._._

```
From 5137569790319780595
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5606acdf117c5316
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-14 15:08:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!rutgers!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Re: alternate phonetic alphabets
Message-ID: <27087@netnews.upenn.edu>
Date: 13 Jul 90 22:59:44 GMT
References: <22480005@hpcuha.HP.COM>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu.UUCP (Jeff DePolo)
Organization: University of Pennsylvania
```

Lines: 50
Posted: Fri Jul 13 23:59:44 1990

In article <22480005@hpcuha.HP.COM> nicholso@hpcuha.HP.COM (Ron Nicholson) writes:
>When listening to DX stations I've been hearing a seemingly standard phonetic alphabet, different from the published International Phonetic Alphabet. The letters that I've seen used are:

[stuff deleted]

As far as I know, they aren't any sort of a standard. Some of them sort of make sense because they are easier to pick out than the standard phonetics, especially when a heavily-accented voice is saying them. The ones that use geographic names are particularly useful. It's pretty hard to make "America" sound like anything other than "America", regardless of the accent. At least to me it is. Here's a slightly expanded list of some of the more common ones I hear on a regular basis.

A America, Alaska, Atlantic
B Boston, Baker
C Canada
D Dog, Denmark
E Edward, England
F Frank, Fox, Frequency
G Germany, George
H Honolulu, Henry
I Italy, Ida, Item
J Japan
K Kilowatt, Kentucky
L Lincoln, London
M Mexico
N Nancy, Norway
O Ocean, Ontario
P Peter, Portugal, Portugal
Q none that I can think of
R Radio, Russia
S Santiago, Spain
T Texas, Tokyo
U Uncle, United
V Victory
W Washington, William, Willy
X none that I can think of
Y Yellow, Yokohama
Z Zanzibar

Note that some of them (e.g. Frank, George, Ida, etc.) come from the public safety standard. If you look at a full list of the public safety ones (Adam, Boy, Charles, etc.) you'll notice that most of them are very short - and many are American first names. I'm guessing that this was done because most police/fire/rescue communications are done on local FM frequencies where long phonetics are not needed to make them more distinguisable. Plus the shorter ones take less time to say.

Personally, I prefer some of the "alternate" phonetics. I usually use the standard phonetics, but if copy is real difficult and the standard ones don't cut it the first time, I'll use some of the alternates in the hope that they will be more recognizable to the receving station, particularly when it's a DX contact with a person that seems to know English as a second language.

--- Jeff

```
+-----------------------+-----------------------------------------------------+
| Jeff DePolo N3HBZ/AA  | Internet: depolo@eniac.seas.upenn.edu               |
| Univ. of Pennsylvania | RF: 146.685- 224.40- 442.70+ 144.455s (Philadelpia) |
| Computer Science Eng. | Twisted pair: (215) 386-7199 home                   |
|     Class of 1991     | Carrier pigeon: 420 South 42nd St. Philly, PA 19104 |
+-----------------------+-----------------------------------------------------+
```

From -8782213342768045O8
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16d0a1d7bde0f8ce
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-14 16:04:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!mailrus!iuvax!news!cartan!ndmath!nstar!w8grt!
p20.f1000.n151.z1.fidonet.org!Dwayne.Rich
From: Dwayne.Rich@p20.f1000.n151.z1.fidonet.org (Dwayne Rich)
Newsgroups: rec.ham-radio
Subject: Re: HAM RADIO IN DANGER
Message-ID: <329.269E3114@w8grt.fidonet.org>
Date: 13 Jul 90 23:12:02 GMT
Sender: ufgate@w8grt.fidonet.org (newsout1.26)
Organization: FidoNet node 1:151/1000.20
Lines: 32
Posted: Sat Jul 14 00:12:02 1990

In an article of <9 Jul 90 20:45:00 GMT>, phil@ux1.cso.uiuc.edu writes:

pA>@EID:16d6 14eab880
pA>@UFGATE newsin 1.27
pA>From: phil@ux1.cso.uiuc.edu
pA>Date: 9 Jul 90 20:45:00 GMT
pA>Message-ID: <30500590@ux1.cso.uiuc.edu>
pA>Newsgroups: rec.ham-radio
pA>
pA>If businesses keep folding and/or dropping from the ham market, where
pA>are
pA>we going to buy all our appliances?
pA>

How about trying to build your gear? We are suppposed to be experimenters aren't we?

Dwayne Rich/KC4ADW

--- QM v1.00
 * Origin: Beancounter's Paradise Point (1:151/1000.20)

```
--
  |\/\/\/|
  |      | Dwayne Rich - via FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!151!1000.20!Dwayne.Rich
  |     _) INTERNET: Dwayne.Rich@p20.f1000.n151.z1.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\         of the Mind and ride the NOS!"
```

```
From 1341183565503142522
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-14 16:07:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
orion.oac.uci.edu!ucivax!ucla-cs!eel!cccph
From: cccph@eel.cs.ucla.edu (Charles Hobbs)
Newsgroups: rec.ham-radio
Subject: Re: Wayne and Byte...
Message-ID: <36972@shemp.CS.UCLA.EDU>
Date: 14 Jul 90 03:43:35 GMT
References: <42871@apple.Apple.COM> <25204@bellcore.bellcore.com>
<3721@altos86.Altos.COM> <21723@mvis1.com>
Sender: news@CS.UCLA.EDU
Reply-To: cccph@eel.cs.ucla.edu (Charles Hobbs)
Organization: UCLA Computer Science Department
Lines: 21
Posted: Sat Jul 14 04:43:35 1990

In article <21723@mvis1.com> jkaidor@synoptics.COM (Jerome Kaidor) writes:
>
>  I had a subscription to 73 magazine in the early seventies, and
>editorial space in several issues was devoted to blasting the IRS.
>Very entertaining reading.

"Blasting" the IRS is putting it lightly. In several of those
issues during the late 60's and early seventies, he
told all kinds of horror stories about alleged abuses by IRS
agents, etc. Also, Wayne also used a certain 7-letter word beginning
with "B" to refer to the IRS agents (and printed this word in the
magazine, which was considered unthinkable in those days)

Someone on the net mentioned that Wayne might have been convicted
for tax evasion. I have no way of knowing for sure, of course....


-------------------------------------------------------------------------
Charles P. Hobbs, N6YMK @ K6VE....
Internet: cccph.eel.cs.ucla.edu      Plink: oar001      Genie: C.HOBBS
------------------------------------------------------------------------


From 3242365285551653229
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f4285b9aa5630ddb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-14 16:45:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!
phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
```

Subject: Re: Alligators and kerchunking
Message-ID: <30500592@ux1.cso.uiuc.edu>
Date: 14 Jul 90 07:45:00 GMT
References: <12792@cadnetix.COM>
Lines: 5
Nf-ID: #R:cadnetix.COM:12792:ux1.cso.uiuc.edu:30500592:000:211
Nf-From: ux1.cso.uiuc.edu!phil   Jul 14 02:45:00 1990
Posted: Sat Jul 14 08:45:00 1990

Ron makes a good case for having kerchunkable repeaters.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -5771276330055696502
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b068affc1b8c865,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-14 16:45:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Communicator Class
Message-ID: <30500593@ux1.cso.uiuc.edu>
Date: 14 Jul 90 08:13:00 GMT
References: <200910@<1990Jul11>
Lines: 36
Nf-ID: #R:<1990Jul11:200910:ux1.cso.uiuc.edu:30500593:000:1809
Nf-From: ux1.cso.uiuc.edu!phil   Jul 14 03:13:00 1990
Posted: Sat Jul 14 09:13:00 1990

> My solution is give the communicator the same limitations that Novice class have now and give Novice the rest of the band. Also, when you upgrade from Communicator to Novice you automatically lose your Communicator call sign. This way we can make sure that they stay within the allocated frequency. Nobody is going to make a different radio for Communicators only.

This will allow other hams to segregate Communicators. Why not do the same thing for Novices or other classes?

What if a Communicator upgrades to Extra and there are no more Extra calls?

> As for testing, Communicator make code free. Same with Novice. If they are serious about getting into it more into ham, they should make 5 wpm code under Tech. class. The more you get into the hobby, the more problems you will get with undesirables satisticly. This may weed out those not really serious about the service/hobby.

It has already been concluded that the code does NOT make a good weed-out filter. Maybe we need one, but code won't do it.

> My suggestion is not a solution to the debate, but only someone
> who wants to voice his opinion about the discussion. What ever the results
> are, you will not please everybody. The best way is to educate the future
> hams at the school level in ham clubs.

Well, voicing opinions is definitely needed. One way you can do it is by filing your comments with the FCC. By the way, it will more likely get read and be taken seriously if you state logical and reasonable arguments based on facts. Just expressing an opinion doesn't do too much; but if that is all you have, go ahead and file it anyway.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -1184519403569962216
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9d3d4aaea3fde633,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,9d3d4aaea3fde633,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-07-14 19:23:16 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!watserv1!watmath!att!tsdiag!nn2z!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: * SpaceNews 16-Jul-90 *
Keywords: Hubble, CRRES, MicroSats
Message-ID: <320@ka2qhd.UUCP>
Date: 15 Jul 90 02:23:16 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 101
Xref: gmdzi rec.ham-radio:12938 sci.space:14334
Posted: Sun Jul 15 03:23:16 1990

SB SPACE @ ALLBBS $SPC0716
* SpaceNews 16-Jul-90 *

=========
SpaceNews
=========

MONDAY JULY 16, 1990

SpaceNews originates at KD2BD in Wall Township, New Jersey, United States. It is published every week and is made available for unlimited distribution.

* CRRES INFO *

The launch of the Combined Release and Radiation Effects Satellite (CRRES) is scheduled for no earlier than July 17, 1990, at 3:31 PM EDT (1941 UTC). CRRES will be placed into a highly elliptical, geosynchronous transfer orbit of approximately 217 by 22,236 miles and will conduct complex scientific research in the space environment just above the earth's atmosphere, including the ionosphere and magnetosphere.

CRRES will carry 24 cannisters of various chemicals into orbit and release them over time. When released, the chemicals will be ionized by the Sun's ultraviolet light creating large luminous clouds that will elongate along the Earth's magnetic field lines, briefly "painting" these invisible structures. The mission will be complemented by 10 sounding rockets to perform releases that require precise targeting of location, local time and altitude. Six rockets are to be launched from Puerto Rico and four from Kwajalein, Marshall Islands.

* MICROSAT NEWS *

AMSAT-OSCAR-16 is doing well and is due to receive a RAM test and BBS software that will become operational by next month. DOVE-OSCAR-17 suffered an apparent on-board computer (OBC) crash shortly after coming back to life on VHF. The cause of the crash is being investigated. WEBER-OSCAR-18 recently received the third version of CCD color imaging software. Each day, several Earth images are transmitted by WO-18 and may be viewed on computers running WeberWare 1.0 software. LUSAT-OSCAR-19 is also doing well and is due to have a RAM test performed shortly.

* HUBBLE TROUBLE *

Evidence now strongly suggests that the Hubble Space Telescope primary mirror is at fault, having about 0.5 RMS wavelength of spherical aberration. The radii of curvature is correct, but there is a 1% error in the eccentricity of the perboloid. The aberration is not correctable by either using primary mirror actuators or by replacing the secondary mirror in orbit. The primary mirror actuators consist of two rings of twelve force actuators capable of 10 pounds of force each. They are located at 0.5 and 0.87 radii at the nodes in the spherical aberration curve. The actuators will not be used to correct for the aberration because it will deform the mirror into an even more complex shape. The final focus alignment is to be completed today.

The HST mirror problem is believed to have been caused by a "low-tech" error, such as mistyping the mirror dimensions into the mirror grinding computer, or using a mislabelled null-corrector when testing the mirror.

* WALL HISTORY *

SpaceNews orginates from Wall Township, in central New Jersey, USA. It was from Wall Township that Guglielmo Marconi's 1913 American Wireless Company transmitted the first transoceanic radio signals from a group of radio towers located along Shark River. On January 10, 1946, the US Signal Corps bounced the first radar signals off the moon and back to Earth. The dish antenna still stands on Marconi Road. Wall Township is also the home town of Apollo astronaut Russell L. Schweickart, who performed a spacewalk in March 1969 during the Apollo 9 space mission.

* FEEDBACK WELCOMED *

Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

UUCP : ...!uunet!masscomp!ocpt!ka2qhd!kd2bd
AMPR : KD2BD @ NN2Z.NJ.USA.NA

MAIL : John A. Magliacane
Department of Electronics Technology
Advanced Technology Center
Brookdale Community College
765 Newman Springs Road
Lincroft, New Jersey 07738
U.S.A.

(The callbook address also works.)

/EX
--
AMPR : KD2BD @ NN2Z (Neptune, NJ)
UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
"For every problem, there is one solution which is simple, neat and wrong." -- H.L. Mencken

---

From 5749996098788101957
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-15 02:26:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!snorkelwacker!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: John Sculley (Was Wayne Green, state of ham radio, etc.)
Message-ID: <42965@apple.Apple.COM>
Date: 14 Jul 90 18:34:31 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com> <42871@apple.Apple.COM> <896@ssc.UUCP>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 19
Posted: Sat Jul 14 19:34:31 1990

In article <896@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>
>I didn't know Sculley was an ex-ham! Was this when he was a teen?

Kok Chen answers this specific question in a later posting, but I'll just add for those who don't know that long before John started selling soft drinks, his field was electronics. And I don't mean marketing; I believe he holds some patents.

Patty

p.s. That story about Wayne Green visiting Steve and Steve in The Garage sounds awfully apochryphal. Can anyone (except Wayne) verify it?
--
```
*****************************************************************************
Patty Winter N6BIS                         INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                      UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From 5517645021854369683
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,54b0d29a302d0a78
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-15 03:04:55 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!emory!rsiatl!jgd
From: jgd@rsiatl.UUCP (John G. DeArmond)
Newsgroups: rec.ham-radio
Subject: Re: Running a PC on 12V
Message-ID: <3190@rsiatl.UUCP>
Date: 14 Jul 90 20:06:16 GMT
References: <FAUNT.90Jul9201312@dustbin.cisco.com> <11914@netcom.UUCP> <1039@tsdiag.ccur.com>
Organization: Radiation Systems, Inc. (a thinktank, motorcycle, car and gun works facility)
Lines: 51
Posted: Sat Jul 14 21:06:16 1990

davet@tsdiag.ccur.com (Dave Tiller N2KAU) writes:

>>I would like to be able to run a standard PC/AT clone on 12V,
>>efficiently. Where can I get information on buying or building a
>>reasonably low cost power supply for this?
>>thanx, and 73, doug

>How about using straight voltage regulators in conjunction with those cheap
>DC-DC voltage converters? Something like this:

```
>+13.8V----------------[ +12V regulator ]-----------------> to PC
>           |
>           |
>           -----------[ +5V regulator  ]------------------> to PC
>           |
>           |
>           -----------[ -12V converter ]------------------> to PC
>           |
>           |
>           -----------[ -5V converter  ]------------------> to PC
```

>I'd think this would be a little more efficent than using an inverter feeding
>another power supply.

That would be terribly inefficient unless switching regulators were used.
To equal a 200 watt PC power supply, the 5 volt supply must be able to
supply over 30 amps. 30 amps at 5 volts is 150 watts. But dumping
the excess power in a pass regulator involves (13.5-5) * 30 or 255 watts.
This is about 30% efficiency.

Most PCs don't fully load the power supply anymore so this is the worst
case scenario but it would be a poor idea to underrate this much.
Many disk drives and peripherals draw a LOT of inrush current.

Switchmode regulators are very easy to build and work well. However,
the cheapest and probably most reliable solution is to buy a small
inverter. Tripp-lite sells a small 200 watt unit for about $140.
The inverter will run an average PC and a monochrome monitor if the
PC is not too full of goodies.

The Tripp-Lite inverters work very well and are very reliable. I have
a 1 kw unit here that is the centerpiece of my homemade UPS.

John

```
--
John De Armond, WD4OQC  | We can no more blame our loss of freedom on congress
Radiation Systems, Inc. | than we can prostitution on pimps.  Both simply
Atlanta, Ga             | provide broker services for their customers.
{emory,uunet}!rsiatl!jgd|  - Dr. W Williams |                **I am the NRA**
```

```
From -7607755416018817310
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,20c7ccbe612025d7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-15 03:20:59 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!mailrus!iuvax!news!cartan!ndmath!
nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Ham Radio Magazine
Message-ID: <333.269F73CB@w8grt.fidonet.org>
Date: 14 Jul 90 14:52:09 GMT
Organization: QRV de W8GRT, Sylvania, OH
```

Lines: 21
Posted: Sat Jul 14 15:52:09 1990

I just got a call from Terry Northup, the editor of the now-defunct HAM RADIO magazine. She says:

(1) 3 of the articles in the July issue of CQ were in fact originally accepted by HAM RADIO;

(2) the HAM RADIO presence in CQ is going to increase considerably; there will be more technical items, and they will even go through the HAM RADIO editorial office in New Hampshire, which will remain open.

Hmmm, could we persuade 'em to start their magazine back up, before it dies out completely? It seems to be lingering...

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: {ncar!asuvax!stjhmc!,iuvax!ndmath!nstar}!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From -54854784774405606
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d2bcdae3b7463a5c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-15 03:21:15 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!mailrus!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Equipment question.
Message-ID: <334.269F73D4@w8grt.fidonet.org>
Date: 14 Jul 90 18:22:59 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 38
Posted: Sat Jul 14 19:22:59 1990

> From: sharpe@plx.UUCP (Dave Sharpe)
> Date: 13 Jul 90 20:48:57 GMT
> Organization: Plexus Computers, San Jose, CA.
> Message-ID: <2428@plx.UUCP>
> Newsgroups: rec.ham-radio
>
>
>   I have acquired the following list of Heathkit tube type HAM radio
>   gear and I would like to know what it is, when it was made, and
>   where I can get a hold of the receiver to complete the set.

```
 >
 >
 >            Antenna coupler...model AC-1
 >            VFO...............model VF-1
 >            Transmitter.......model AT-1
```

The AC-1 was either a pi-section or L (I forget which) matching unit between the AT-1 (a 30 to 50 watt transmitter) and a random length Hertz (inverted L) antenna. The VF-1 was a single tube (plus voltage regulator) variable frequency oscillator using the Clapp (series tuned Colpitts) circuit. I vaguely recall there was a receiver called the AR-1 (what else?).

The AT-1 was basically a crystal controled unit for Novices and you plugged the output of the VF-1 into the front panel crystal socked when you upgraded to General.

Simple, basic starter equipment for beginners of a sort (and cost) that sadly no longer exists.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: {ncar!asuvax!stjhmc!,iuvax!ndmath!nstar}!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From -7875119935800030223
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,895fd0dc629f9fd6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-15 03:24:24 PST
Path: gmdzi!unido!mcsun!uunet!husc6!m2c!umvlsi!umaecs!lkay
From: lkay@ecs.umass.edu (Leonard Kay, KB2R (UMass/Amherst))
Newsgroups: rec.ham-radio
Subject: QSL help, please?
Message-ID: <10245.26a04458@ecs.umass.edu>
Date: 15 Jul 90 10:24:24 GMT
Lines: 18
Posted: Sun Jul 15 11:24:24 1990

Some QSLing help, please? E-mail appreciated, tnx!

I'm trying to QSL an old contact with N7DKX. Unfortunately, he's changed his call since the contact (N7DKX not listed in 90 CB). I sent a card to his 83 CB address (Cody, WY) but it was returned by the PO. Can someone help? Somewhere in a CB between 84-89 his new address/callsign change must be listed. I'm closing up my 5BWAS and WY contacts are so hard to come by. Help!

Also, could someone with the 90CB supplement give me a QSL route for ZB2JB? He's Not in the GO list.

Many tnx.
Len

```
--------------------------------------------------------------------------
Leonard Kay, KB2R  UMass/Amherst      |  "It's always darkest just
(413)545-4762      lkay@ecs.umass.edu |    before it's totally black"
--------------------------------------------------------------------------
```

```
From -4833869176183972649
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-15 04:26:12 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
snorkelwacker!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: Wayne, state of ham radio (Was Re: The Demise of HR Magazine...)
Message-ID: <42962@apple.Apple.COM>
Date: 14 Jul 90 17:40:43 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com>
<42871@apple.Apple.COM> <896@ssc.UUCP>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 23
Posted: Sat Jul 14 18:40:43 1990
```

tad@ssc.UUCP (Tad Cook) writes:

>In article <42871@apple.Apple.COM>, winter@Apple.COM (Patty Winter) writes:
>> And we didn't get John Sculley (ex-ham) until just few years ago. So
>
>I didn't know Sculley was an ex-ham! Was this when he was a teen?

In Sculley's (actually, written by John Byrne) book "Odyssey," he mentioned not playing with toys (I guess, back then, there were no Icoms, Kenwoods, and Yaesus :-) but instead he tinkered with "electrical things." For Christmas, when he was 5, he was given "a dry-cell battery, a buzzer and hook-up wire; and he proceeded to blow fuses in his parents' apartment. He would read _The Radio Amateur's Handbook_ until they were "shopworn and dogeared." He became a Ham at 11.

So, Tad, I guess Sculley got his ticket *before* his teens :-) :-).

73,

```
Kok Chen, AA6TY                  kchen@apple.com
Apple Computer, Inc.
```

From -8339885640358660364
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b068affc1b8c865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-15 05:30:54 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!uwm.edu!cs.utexas.edu!helios!rigel.tamu.edu
From: msw1633@rigel.tamu.edu (WHITSITT, MARK STEVEN)
Newsgroups: rec.ham-radio
Subject: re: Communicator Class
Message-ID: <6573@helios.TAMU.EDU>
Date: 14 Jul 90 21:49:46 GMT
Sender: usenet@helios.TAMU.EDU
Reply-To: msw1633@rigel.tamu.edu
Organization: TAMU
Lines: 14
Posted: Sat Jul 14 22:49:46 1990

I thought that the idea of the communicator class license was to increase the numbers of operators in the Amateur Service (pse note that I hesitate to refer to the putative communicator licensee as a HAM). The Amateur Radio Service , I believe, would be stronger having greater numbers and would be less likely to lose anymore bands or subbands etc... I personally would never have dreamed of getting such a license.

Also, I am new to both HAM radio (having just passed my exams for Novice) as well as to posting to this news server (correct term?) I would appreciate any hints on how to post more effectively and also any suggestions for a brand new HAM who is incredibly short on cash all the time and really can't afford all the gear and such.

TNX 73 DE MARK WHITSITT (still awaiting his operator license and call sign.)

From -5758949910190211914
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db1c2386a679a0b1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-15 05:46:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!texbell!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: phonetics
Keywords: variations
Message-ID: <177@bongo.UUCP>
Date: 14 Jul 90 21:35:30 GMT
References: <33956@ut-emx.UUCP>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 66
Posted: Sat Jul 14 22:35:30 1990

In article <33956@ut-emx.UUCP>, oo7@ut-emx.UUCP (Constructive Frivolling) writes:

>> nicholso@hpcuha.HP.COM (Ron Nicholson) says:
>>
>> When listening to DX stations I've been hearing a seemingly standard
>> phonetic alphabet, different from the published International Phonetic

Yes it was standard during WWII (OFP Old Fart's Phonetics)

>
> I think most of these come from the earlier phonetic list that was in
> use more than 20 years ago (at least, my G call in the mid-60s was

Piles of stuff deleted.

Back in the old days when men were men and aeroplanes had propellers, every nation had its own phonetics. Each nation was proud of its phonetics and each service in each nation just to prove they were made of stern stuff had their own phonetics. This was so pilots with hairy chests would not be confused with effete ambulance drivers. Telephone operators each had their own national set of phonetics that each girl was proud to know and happy to impart to a frustrated caller.

But then Hitler lost the war and they took the propellers off planes. Someone found out that if you took the propellers away they went faster and further. This meant that planes could now fly to foreign lands and instead of dropping Dupont Chemicals encased in steel, they landed and people got out and wandered around looking for honest cab drivers.

This if course caused much confusion with air traffic controllers. They now had to be nice to people who were a few years earlier shooting at them. So instead of all planes being "George Able ..." They now had funny foreign planes with foreign pilots to deal with. Much confusion here. So the ICAO (International Civil Aviation Organisation) formed a committee to draft some international phonetics. Some that all countries could use. They chose words that were common to most languages. Hence Tango, Delta, Golf, Hotel etc. They left out some other international words like Girl, Bar, Sexy, Taxi and Dollar. But maybe they didn't want to offend the air hostesses.

These phonetics were such a success that they were soon adopted by NATO. Some countries refer to these phonetics as "NATO Code". NATO of course had a similar problem. People who spoke different languages and used to shoot at each other now needed to communicate over radios and telephones. The telephone people liked it too as international calls were becoming more common. Large 50 circuit undersea cables were being installed and operators now had to put up with all sorts of shifty foreigners making phone calls. So the ITU, adopted these phonetics as did CCITT and CCIR.

So now they are the correct phonetics to use anywhere in the free world and are pretty much understood in the unfree parts too. Of course there were provincial police departments, phone companies etc who considered the ICAO code to be part of the Metric system conspiracy and stuck to the old way. Then some people have never figured out why anyone would want to use phonetics and make 'em up as they go along. If you do make them up, it is essential that you never use the same word twice, as may lead to improved understanding.

So simply, if you want a hotel clerk in Adis Abeba to get your name right use the phonetics he probably learned at school. They much better than shouting and using the phonetics the good ol' boys in the sheriffs dept use.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

```
From 6937284430386567537
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-15 06:14:07 PST
Path: gmdzi!unido!mcsun!uunet!ncrlnk!usglnk!usdtsg!usday32!jra
From: jra@usday32.Dayton.NCR.COM (jra)
Newsgroups: rec.ham-radio
Subject: Re: Wayne and Byte...
Message-ID: <275@usday32.Dayton.NCR.COM>
Date: 14 Jul 90 14:26:10 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com>
<42720@apple.Apple.COM> <1990Jul10.170828.12138@cbnewsh.att.com>
<42871@apple.Apple.COM> <25204@bellcore.bellcore.com>
Reply-To: jra@usday32.UUCP ()
Organization: Dayton.NCR.COM
Lines: 22
Posted: Sat Jul 14 15:26:10 1990
```

In article <25204@bellcore.bellcore.com> mo@messy.UUCP (Michael O'Dell) writes:

>Wayne Green didn't start Byte, he started a competitor to Byte
>called Kilobaud. It lasted about a year. I still have a compete set.
>
>Byte was started by Carl Helmers. I heard of Byte through the grapevine
>and sent him a letter subscribing to whatever he was doing.
>His reply letter is bit of cherished youthful memorobelia.
>
>   -Mike

Sorry, but Wayne <did> start Byte. He published the first several issues along with his wife Virginia, but their relationship soured and, because the mag was technically in her name (long story, there...) when she moved out she literally took it with her. She remained publisher until she sold to McGraw Hill in the early 80s.

Wayne founded Kilobaud after that, and in fact it was called Kilobyte at first until threats of legal action convinced him to change. KB lasted quite a bit more than a year (it was still going under the name Kilobaud Microcomputing in 1982), but I'm not sure when it folded.

I worked for Wayne Green, Inc. in 1981-82. It was a silly place.

From 6481299145345124525
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b068affc1b8c865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-15 07:20:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!ucbvax!TECNET1.JCTE.JCS.MIL!mgb
From: mgb@TECNET1.JCTE.JCS.MIL
Newsgroups: rec.ham-radio
Subject: Communicator Class
Message-ID: <9007150333.AA21267@tecnet1.jcte.jcs.mil>
Date: 15 Jul 90 03:33:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 52
Posted: Sun Jul 15 04:33:50 1990

Subject: Communicator Class

>>   As for testing, Communicator make code free. Same with Novice.
>> If they are serious about getting into it more into ham, they should make
>> 5 wpm code under Tech. class. The more you get into the hobby, the more
>> problems you will get with undesirables satisticly. This may weed out
>> those not really serious about the service/hobby.

ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil@ucsd.edu (Phil Howard, KA9WGN) replies:

>It has already been concluded that the code does NOT make a good weed-out
>filter. Maybe we need one, but code won't do it.

Whoa! Wait a minute! The issue of how good or how bad a "filter" CW is for Amateur Radio was debated long and hard for months! It got really hot there for awhile on this subject... however nothing was ever "CONCLUDED". You may have believed that one side or the other WON the argument, or you might have happened to agree that your point of view was espoused most heavily, but the issue was NEVER "concluded". To use that word means that all (or even most) parties agreed to that viewpoint, and such was definitely not the case.

In addition, it is IMPOSSIBLE to judge a bandpass filter by looking at what got through and never knowing what was KEPT OUT!

People can complain about CW, they can flame those that feel there is a need for a "filter" at all, and they can argue the pro's and con's till the Sun burns out, but in my humble opinion... you will never be able to convince me that learning Morse Code doesn't demonstrate a desire to WORK towards a goal, and I am a strong believer in the adage that the more that you work for something, the more you will value it.

Is it perfect? No. (Obviously far from it)
Is it also keeping out a lot of potentially good hams? Maybe.
Is it also keeping out a lot of potentially bad hams?   Maybe.
Do people that work harder for a ham license tend to respect it more? Yes.

Does the CW requirement make a good weed-out filter? I don't think that we will ever really know for sure.

Ok.. so I seem to be supporting CW.. not really. I would like to see a WRITTEN test that was about 50 times harder than the one currently in existence... or maybe a better way of saying it would be: Have a test that really requires one to demonstrate KNOWLEDGE of what one is supposed to know to begin with. No more multiple guess questions... maybe even (heavens forbid) a PRACTICAL!   Hard to implement? You betcha.. but worth it.

Mark Bitterlich
wa3jpy@wb4uou
mgb@tecnet1.jcte.jcs.mil

From -301254672088039000
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8c428d2db019a05,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-15 07:24:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes, 7/13/90
Message-ID: <1561@n8emr.UUCP>
Date: 15 Jul 90 01:02:30 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 181
Posted: Sun Jul 15 02:02:30 1990

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==============================================================
|         Relayed from packet radio via                    |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ ALLUSA $RTDX0713
RTTY DX Notes, 1of3, 7/13/90

RTTY DX Notes for Weekending 13th June 1990.
Part 1 of 3.
BID: $RTDX0713

Confusion reigns. From reports received, it would appear that some bulletin boards are adding their own endings to the BID, such as OC., AU., AUSNET., ASIANET., EURONET ETC. May i assure you that most of these additions are occurring because of non-standard headings used by a number of BBS's and are not the fault of the originator of the DX notes. Maybe we will come to some agreement on traffic handling soon. Who knows?

Information was supplied this week by I5FLN, I5ICY, I5IGQ, JA1BLV, OD5NG, TG9VT, W2JGR and the Tri-State DX Association VHF packet cluster. Thank you all for your news and views.

Bandpass:

Friday 6:

ZP5AEA	14072	at	0120Z	ARQ
JY9SR	14085	at	0220Z	
LY2WW	14085	at	0258Z	
TA3D	14088	at	0300Z	
EA9MY	14081	at	0305Z	
FK8BK	14074	at	1110Z	ARQ
YL20LSF	21090	at	1905Z	QSL
EA6ZP	14089	at	1946Z	
UA3DJY	21089	at	2210Z	

Saturday 7:

UZ9CWA	21090	at	0310Z	
TA3D	14086	at	0315Z	
LY2WW	14088	at	0520Z	
TJ1MW	14085	at	0633Z	
YB0GI	14090	at	0713Z	
UQ2HO	14082	at	0718Z	
VU2BMW	14074	at	1445Z	ARQ
TZ1DE	14083	at	2010Z	
V85FH	14085	at	2019Z	
HK4UH	21080	at	2028Z	
DU1ANG	21088	at	2303Z	
VP2VF	21072	at	2330Z	ARQ

Continued in part 2.
/EX
SB RTTYDX @ ALLUSA $RTDX0714
RTTY DX Notes, 2of3, 7/13/90

RTTY DX Notes for Weekending 13th June 1990.
Part 2 of 3.
BID: $RTDX0714

Sunday 8:

TA3D	14088	at	0306Z
RB5MT	14090	at	0315Z

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SV0CR     14074  at  0435Z  ARQ
5N0ETP    14082  at  0524Z  QSL
LY2WW     14089  at  0550Z
UQ2HO     21088  at  0918Z
UM8NC     21087  at  0928Z
FK8BK     14074  at  1000Z  ARQ
JX9CAA    14084  at  1606Z
OD5SK     21086  at  1622Z
EA9MY     21093  at  1636Z
9Q5BG     21089  at  1656Z

Monday 9:
LY2WW     21088  at  0200Z
UM8MU     14087  at  0210Z
RB5QV     14082  at  0257Z
EA9MY     14083  at  0830Z
UG7GWY    14088  at  0835Z
UT5RP     21074  at  1134Z  ARQ/Note
SV0GB     14088  at  1606Z

Tuesday 10:
LY2WW     21087  at  0053Z
EA9MY     14083  at  0144Z
J39BS     14091  at  0154Z
AL7BB     14091  at  0300Z
RB5QV     14084  at  0338Z
FK8BK     14074  at  0500Z  ARQ
PJ2MI     14074  at  1000Z  ARQ
HK0BKX    21088  at  1604Z  Note

Wednesday 11:
IS0GDM    14086  at  0515Z
EA9MY     14083  at  0518Z
UZ3AYR    14090  at  0526Z
5N8ALE    14075  at  0552Z  ARQ
BV4QA     14084  at  1241Z
FK8BK     14074  at  1250Z  ARQ
TA3D      14088  at  1650Z
EA6ZP     14095  at  1654Z
VQ9RB     28078  at  1700Z  QSL
YL1WW     21088  at  2314Z

Thursday 12:
VQ9RB     21093  at  0013Z
HK4CYR    21083  at  0148Z
UZ3AXJ    14091  at  0150Z  RBBS/Note
UA4WGW    14089  at  0200Z  QSL
YL1WW     14091  at  2306Z
```

QSL Information:

YL20LSF will QSL via YL1WW.

5N0ETP says to QSL all Russian calls to UA9QCQ and all other calls to N6QCQ, which is his home call. (Note from KT7H: Did I miss something here?)

Continued in part 3.
/EX
SB RTTYDX @ ALLUSA $RTDX0715
RTTY DX Notes, 3of3, 7/13/90

RTTY DX Notes for Weekending 13th June 1990.
Part 3 of 3.
BID: $RTDX0715

VQ9RB (formerly S79D) requests cards via WA4DPU, or otherwise you might try Dick Barnes, c/o Ford Aerospace Corp, NAV SUPPFAC, Box 55
FPO San Francisco, CA 96685-2000 USA.

UA4WGW cards go via Box 3113, Izhevsk 426006 USSR.

VK9LI says to QSL via VK2SG. Cards have been printed and should be in the post in a week or so, we hope.

Notes Of Interest:

UT5RP, Dima, has his IC720 repaired and is now on AMTOR ARQ and is looking for contacts. He may be the first Russian station to use that mode.

VQ9RB is Diego Garcia on Chagos Islands. He will be there for some time, and should be very active.

UZ3AXJ is a Russian bulletin board station, which is new for the Russians. This may be the first BBS from the USSR. At the moment he is beaconing.

The HK0 station is on San Andres, not Malpelo Island.

6W6JX will be active from C53, signing C53/6W6JX from August 9th to 23rd.

Now for the bad news. Ron, ZL1AMO, who has helped a lot of people obtain some of the rare South Pacific islands, proceeded to the Solomon Islands to operate from there, but unfortunately his equipment has disappeared somewhere along the way. Ron is asking for assistance to acquire new gear. If anyone is willing to help Ron, contact him at his home address.

GL DE DX1 (VK2SG) AT TG9VT.

Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA. Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.
/EX

--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From 7896299980792080383
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,526395f460ea9371,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,526395f460ea9371,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-07-15 07:56:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!uc!shamash!vtcqa
From: vtcqa@shamash.cdc.com (VTC)
Newsgroups: rec.ham-radio.packet,rec.ham-radio
Subject: Awesome Code system
Keywords: phoentics international morse code
Message-ID: <23475@shamash.cdc.com>
Date: 15 Jul 90 05:46:35 GMT
Followup-To: rec.ham-radio
Organization: Control Data Corporation, Arden Hills, MN.
Lines: 31
Xref: gmdzi rec.ham-radio.packet:2545 rec.ham-radio:12904
Posted: Sun Jul 15 06:46:35 1990

Gee, I have seen alot of postings where people bitch about learning the code to get a ticket. It makes me think back to when I went to night school to get my ticket when I was eleven. The instructor was Bob Schoeing, W0BE, and he had the whole class doing code in 7 days ! (!!!!). It worked on phoenetics. I have lost the entire alphabet, and would like to get it, since I have bragged to a few people that I will have them pass the code test in 2 weeks (like Bob had us do). If you know what this is, you might have the whole alphabet - PLEASE send it to me:

L Liberia
O Old Crow Booze
H Hit it a bit
A about
V victory vee
B badminton set

Thats all I remember - Bob had the whole class doing 3 WPM after 2 classes with this system, including numbers and punctuation. (I was shocked)

If you can complete the list or have a different one, PLEASE get it to me somehow. It would be greatly appreciated.

Thanks in advance !

Jeff - NR0D
vtcqa@shamash.cdc.com
umn-cs!bungia!vware!brainiac!jrc
umn-cs!kksys!edgar!brainiac!jrc
70436,1410 on CIS
Mail: 6143 - 4th Ave. South * Minneapolis, Minnesota 55419

```
From -8099877686654615
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b068affc1b8c865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-15 08:00:42 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-
state.edu!purdue!iuvax!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Communicator Class
Message-ID: <30500594@ux1.cso.uiuc.edu>
Date: 15 Jul 90 05:07:00 GMT
References: <25883@usc.edu>
Lines: 48
Nf-ID: #R:usc.edu:25883:ux1.cso.uiuc.edu:30500594:000:2471
Nf-From: ux1.cso.uiuc.edu!phil    Jul 15 00:07:00 1990
Posted: Sun Jul 15 06:07:00 1990
```

Ham radio needs more people on the VHF, UHF, and SHF bands. I think most all of us agree we need FEWER hams on the HF bands. Quality instead of quantity is the buzzword for ALL frequencies.

Sure, we do need more technically oriented people. I also think of people who are interested in public service aspects of ham radio as being technically oriented. They just happen to be in ways some of us might not think applies to ham radio, but it sure does.

There is a way to deal with the diversity in technical interests.
The exam can be arranged in parts:

1. Rules and regulations
2. Basic operating procedures
3. Basic electrical theory
4. Basic radio theory
5. Electrical, radio, and site safety

What I would like to see is that it be required to pass EACH of the above sections separately. If you fail ONE, you don't get the license. That will help prevent someone who is super bright in one area to skip another. The electrical engineer Ph.D. is going to have to learn the rules and regulations.

Now to the above 5 parts we add one more part that must also be passed, but it can be CHOSEN from one of the following:

6a. Basic Morse Code (at some speed)
6b. Signal and information theory (FFT's FIR's)
6c. Computers and networking (programming, TCP/IP)
6d. Advanced operating skills
6e. Advanced UHF and microwave theory

This allows us to require the basic essentials all hams need, and also encourages competency in a chosen area of specialization. If you pass 6a you also get on HF. If you pass at least THREE of the special areas, maybe there can be an advanced class of license.

Also, the part on Rules and Regulations needs to emphasis a working understanding of the rules, not memorization. Rules changes, and one who memorizes them now will be out of place in the future. So the idea I have for this is OPEN BOOK. That's right, while you take the test on the rules and regulations, you will have access to reading a copy of the rules and regulations. The questions will be designed knowing that you are reading the rules, so they won't be that easy. They will test you ability to figure out the rules. For instance, is an ATV repeater using AM or FM and a modulating video signal up to 4 Mhz legal? Can you say "sidebands in the 435-438 range"?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -7520324107710326813
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ecb79cf07c150082
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-15 08:04:55 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!mips!prls!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Re: Fundamental Overload trap
Message-ID: <103743@philabs.Philips.Com>
Date: 15 Jul 90 15:04:55 GMT
References: <9007131353.AA08667@uunet.uu.net>
Sender: news@philabs.Philips.Com
Reply-To: rfc@briar.philips.com.UUCP (Robert Casey)
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 8
Posted: Sun Jul 15 16:04:55 1990

One way to reduce or eliminate fundamental overload on a TV is to try a stub trap on the antenna terminals. cut a piece of twinlead or coax 1/4 wavelength long (taking into account propagation factor of the twinlead or coax) of the amateur freq. Leave the far end open. You may need to fine tune trim it. This helped keep my packet 2m station out of the TV and VCR. (Using the same mast for the 2m and TV antennas probably didnt help).

hope this helps 73 de WA2ISE

From -3735153693458178383
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76a9fe23a648e918,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,76a9fe23a648e918,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,76a9fe23a648e918,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-07-15 08:09:27 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!zaphod.mps.ohio-state.edu!mips!prls!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.radio.shortwave
Subject: 2 meters (144Mhz band) and wet trees
Keywords: attenuation?
Message-ID: <103744@philabs.Philips.Com>
Date: 15 Jul 90 15:09:27 GMT
Sender: news@philabs.Philips.Com
Reply-To: rfc@briar.philips.com.UUCP (Robert Casey)
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 17
Xref: gmdzi rec.ham-radio:12951 rec.ham-radio.packet:2549 rec.radio.shortwave:1631
Posted: Sun Jul 15 16:09:27 1990

Been having this problem with my packet setup: During the summer, during wet weather, my ability to get a reliable connection to my home BBS (KD6TH) gets bad. I used to use an antenna in the attic, but since replaced that with one mounted on a mast above the roof. That helped much. (the attic antenna was useless in all summer weather, though in other seasons it worked fine). The roof antenna works good in dry weather, but we had several days of rain here, and the quality went poor. Dry weather returned, and it got better. Question is: Is the attenuation of wet tree leaves significant at 145Mhz? Lot more than the same trees dry? And without leaves (ie, winter)? I thought this sort of thing was only significant up in the microwave freqs.

No, I don't think that water is getting into the coax (that wouldn't explain the attic antenna performance). Or maybe I'm at the point where a dB difference makes or breakes it. (2m FM packet).

73 de WA2ISE@KD6TH

From -3574976899325742670
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,808f6625b2ad92a3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,808f6625b2ad92a3,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-15 09:38:33 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!usc!apple!voder!pyramid!prls!

philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: florescent qrn reduction
Message-ID: <103747@philabs.Philips.Com>
Date: 15 Jul 90 16:38:33 GMT
Sender: news@philabs.Philips.Com
Lines: 33
Xref: gmdzi rec.radio.shortwave:1649 rec.ham-radio:13070
Posted: Sun Jul 15 17:38:33 1990

It's been asked what to do about florescent light noise. Here's one trick that I found helps: (a pe-posting from 1/2 year ago)

Florescent RFI reduction
Here is something to try when confronted with RFI from a florescent light. I found that connecting a 0.01 to 0.1 uF @ 1.4kV capacitor will help reduce the RFI in most cases. Connect it like this:

```
           __________
------ballast----I  lamp    I-------
120V           +-I__________I-+    /
               |              |   /
               |---starter----/  /
         \            /  /
         |__capacitor/  /
return                        /
_____________________________/
```

The 2 pins on one end of the bulb are connected to a heater filament, and likewise on the other end. You should connect the cap so that it has to go thru one or both filaments before it reaches the ballast and/or the return side of the power line. This will make the filaments act like a fuse if the cap shorts out. Be sure to use a capacitor rated at least 1.4KV. The starter makes a large inductive spike when it starts the bulb. It's also a good idea to use high rated parts if you install this cap in a fixture attached to the house, for safety reasons. And be sure to make sure that, when installed, the leads of the cap are well insulated and can't short to anything. For florescent lights that don't have starters, you could try putting the cap across the bulb like above. In this case, You'll have to depend on the ballast itself to limit current if the cap shorts. Use a higher voltage cap like 5KV in 2X40W fixtures. Just be sure that you don't create a safety hazard when you do this! So, proceed with caution, at your own risk. Near as I can tell, this has no effect on bulb life.

From -177807927556754929
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,526395f460ea9371
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-15 09:48:37 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!usc!ucla-cs!eel!cccph

From: cccph@eel.cs.ucla.edu (Charles Hobbs)
Newsgroups: rec.ham-radio
Subject: Re: Awesome Code system
Keywords: phoentics international morse code
Message-ID: <36994@shemp.CS.UCLA.EDU>
Date: 15 Jul 90 16:04:59 GMT
References: <23475@shamash.cdc.com>
Sender: news@CS.UCLA.EDU
Reply-To: cccph@eel.cs.ucla.edu (Charles Hobbs)
Organization: UCLA Computer Science Department
Lines: 35
Posted: Sun Jul 15 17:04:59 1990

In article <23475@shamash.cdc.com> vtcqa@shamash.cdc.com (VTC) writes:
>Gee, I have seen alot of postings where people bitch about learning
>the code to get a ticket. It makes me think back to when I went to
>night school to get my ticket when I was eleven. The instructor was
>Bob Schoeing, W0BE, and he had the whole class doing code in 7
>days ! (!!!!). It worked on phoenetics. I have lost the entire alphabet,
>
>L Liberia
>O Old Crow Booze
>H Hit it a bit
>A about
>V victory vee
>B badminton set
>
>Thats all I remember - Bob had the whole class doing 3 WPM after 2 classes
>with this system, including numbers and punctuation. (I was shocked)
>
I remember Tom Kneitel describing a similar system in one of his
magazines ("Popular Communications", "S9", etc.) Unfortunately
he did not give the entire alphabet but only two letters.
The letter "C" was associated with the phrase "Coca-Cola", while
the letter "Q" was described only as being "somewhat unprintable"
(he did not give the 'phonetic' equivalent for "Q")

This system was described as once being used in the U.S. military
to teach code. Maybe someone on here will be more familiar with it
than we are and can give us the whole alphabet.

With a system like this, the concept of a code-free licence may become
a moot point....

Charles P. Hobbs, N6YMK @ K6VE....
Internet: cccph.eel.cs.ucla.edu   Plink: oar001   Genie: C.HOBBS

From -8358226740033944175
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d16375294c172efb

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-15 15:51:02 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9007152227.AA06553@ucsd.edu>
Date: 15 Jul 90 22:23:05 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 363
Posted: Sun Jul 15 23:23:05 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

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- Current NASA Prediction Bulletins #720 -
Alouette 1
1 00424U 62B-A  1 90192.70736421  .00000170  00000-0  19423-3 0  3322
2 00424  80.4633 261.8991 0022426 207.0003 152.9977 13.67365462386044
ATS 3
1 03029U 67111  A 90174.59713386 -.00000074  00000-0  99999-4 0  3932
2 03029  13.2228  21.1964 0013921 209.5552 150.3412  1.00272595 82851
Cosmos 398
1 04966U 71 16  A 90193.29694016  .00067639  17708-4  37692-3 0  9717
2 04966  51.5218 175.6992 2253968 194.7555 157.5163 11.09856078594482
Starlette
1 07646U 75010  A 90191.06397744 -.00000049  00000-0  85280-5 0   876
2 07646  49.8269  68.2181 0205864 266.6932  91.0732 13.82139452778943
LAGEOS
1 08820U 76039  A 90184.39409696  .00000002  00000-0  00000 0 0   858
2 08820 109.8527   0.6704 0044605 234.6685 124.9782  6.38664210 74978
GPS-0001
1 10684U 78020  A 90187.38221003  .00000007  00000-0  99999-4 0  4496
2 10684  63.7215  88.9802 0107963 199.9474 159.6657  2.00554942 76237
GPS-0002
1 10893U 78 47  A 90185.36504259 -.00000025  00000-0  00000 0 0  2039
2 10893  64.3788 329.8825 0164726  26.4361 334.3843  2.00544302 89010
GOES 3
1 10953U 78062  A 90189.87383348  .00000105  00000-0  99999-4 0  9166
2 10953   6.9987  66.1709 0008475  72.6926 287.3683  1.00257534  4855
SeaSat 1
1 10967U 78064  A 90191.45412716  .00000628  00000-0  25987-3 0  3521
2 10967 108.0232   8.1800 0003254 242.2965 117.7887 14.35745362629794
GPS-0003
1 11054U 78093  A 90190.13726162 -.00000024  00000-0  00000 0 0  2433
2 11054  63.9106 325.9851 0060443 118.5847 242.0307  2.00567716 86121
Nimbus 7
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1 11080U 78098  A 90184.15098146  .00000090  00000-0  97447-4 0  6832
2 11080  99.1945  88.7147 0009928  42.2736 317.9183 13.83441567590240
GPS-0004
1 11141U 78112  A 90191.73416645  .00000007  00000-0  00000 0 0  4039
2 11141  63.7219  88.7013 0059675 316.1721  43.4427  2.00556077 84859
GPS-0005
1 11690U 80 11  A 90190.38003918  .00000008  00000-0  00000 0 0  9962
2 11690  64.1930  90.8570 0115499 203.0641 156.7448  2.00555667 90680
GPS-0006
1 11783U 80 32  A 90192.18293680 -.00000024  00000-0  00000 0 0  1641
2 11783  63.7054 325.4918 0151469  60.7842 300.6971  2.00558155 74808
GOES 5
1 12472U 81049  A 90176.68212053 -.00000176  00000-0  99999-4 0  9419
2 12472   3.4904  75.8736 0002951 343.0288  16.5596  1.00217042 32317
DE 1
1 12624U 81 70  A 90190.27508779 -.00000222  00000-0 -14612-2 0  4703
2 12624  89.0068 147.6964 6203982 274.9744  21.5725  3.51015720262985
SME
1 12887U 81100  A 90192.12571768  .00036343  00000-0  59133-3 0  7322
2 12887  97.6343 241.0573 0000459  85.8318 274.2752 15.52591147484985
Salyut 7
1 13138U 82 33  A 90192.51169570  .00033467  00000-0  32644-3 0  3750
2 13138  51.6003 180.8778 0002247  43.2923 316.7891 15.65886534468666
Cosmos 1383
1 13301U 82 66  A 90185.73230742  .00000075  00000-0  81009-4 0  5834
2 13301  82.9304 287.9148 0028945 110.7466 249.6793 13.67834126400070
LandSat 4
1 13367U 82 72  A 90192.84960611  .00000413  00000-0  10156-3 0  3870
2 13367  98.1646 254.8950 0004786  63.5543 296.6148 14.57139825424898
IRAS
1 13777U 83  4  A 90191.52552230 -.00000080  00000-0 -43528-4 0  7921
2 13777  99.0225  27.9613 0011826 324.5176  35.5228 13.98794439 50207
Cosmos 1447
1 13916U 83 21  A 90191.06039783  .00000091  00000-0  90376-4 0  7335
2 13916  82.9432 355.1452 0039807  75.1629 285.3938 13.74049199365810
TDRS 1
1 13969U 83 26  B 90187.86612760  .00000128  00000-0  99999-4 0   304
2 13969   4.5375  65.8386 0002797  52.3192 307.4378  1.00266960   177
GOES 6
1 14050U 83 41  A 90191.78913670  .00000116  00000-0  99999-4 0  2054
2 14050   2.2833  77.9803 0001736  84.6687 275.0796  1.00260749 10501
OSCAR 10
1 14129U 83 58  B 90177.47365881 -.00000041  00000-0  00000 0 0  5303
2 14129  26.0107 197.5005 5961085 154.3991 254.3150  2.05881318 24921
GPS-0008
1 14189U 83 72  A 90191.19724552  .00000006  00000-0  99999-4 0  7968
2 14189  63.3775  87.1548 0147742 219.0469 139.9370  2.00703319 51222
LandSat 5
1 14780U 84 21  A 90192.87743961 -.00000195  00000-0 -38118-4 0  2503
2 14780  98.2035 252.5801 0001643 114.2225 245.9145 14.57111142338318
UoSat 2
1 14781U 84 21  B 90191.57502339  .00001145  00000-0  21968-3 0  7572
2 14781  97.9492 243.3660 0012377 168.3760 191.7741 14.65481731339395
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GPS-0009
1 15039U 84 59  A 90192.31220985  .00000005  00000-0  00000 0 0  9809
2 15039  63.1439  86.2753 0023010 235.6432 124.2608  2.00612198 44525
Cosmos 1574
1 15055U 84 62  A 90191.59177825  .00000084  00000-0  83782-4 0  9039
2 15055  82.9564  45.0586 0026119 259.6776 100.1426 13.73363607303280
GPS-0010
1 15271U 84 97  A 90190.73438651 -.00000024  00000-0  00000 0 0  8670
2 15271  63.2056 325.0945 0105461 327.4682  31.8894  2.00557260 41608
Cosmos 1602
1 15331U 84105  A 90192.37925749  .00002362  00000-0  32111-3 0  3233
2 15331  82.5377 338.4866 0021183 253.1418 106.7471 14.78280251311665
NOAA 9
1 15427U 84123  A 90193.26836137  .00000432  00000-0  25483-3 0  6020
2 15427  99.1684 193.6802 0014361 300.7705  59.2051 14.12616769287523
Cosmos 1686
1 16095U 85 86  A 90192.89458202  .00062964  00000-0  60586-3 0  6933
2 16095  51.5974 178.9362 0003780  47.4514 312.4992 15.65938241269824
GPS-0011
1 16129U 85 93  A 90191.92734684  .00000006  00000-0  00000 0 0  5538
2 16129  63.8810  87.3034 0124447 148.9519 211.8553  2.00510398 34832
Mir
1 16609U 86 17  A 90192.52584680  .00017139  00000-0  19175-3 0  7864
2 16609  51.6114 207.9040 0010622 130.7690 229.4185 15.62780689251901
SPOT 1
1 16613U 86 19  A 90192.24106130  .00000480  00000-0  24362-3 0   228
2 16613  98.7337 266.3703 0001979 106.8768 253.2595 14.20021225 67345
Cosmos 1766
1 16881U 86 55  A 90192.85690217  .00003773  00000-0  52156-3 0   697
2 16881  82.5203  37.0665 0020139 270.0084  89.8821 14.77751575212795
EGP
1 16908U 86 61  A 90192.01392023  .00000034  00000-0  54559-3 0  2324
2 16908  50.0063 182.7528 0010668 259.9377 100.0255 12.44389963177823
NOAA 10
1 16969U 86 73  A 90193.29612781  .00000459  00000-0  21769-3 0  4501
2 16969  98.5976 220.6777 0013064 192.8958 167.1887 14.23661383198186
MOS-1
1 17527U 87 18  A 90192.17254753 -.00000057  00000-0 -29741-4 0  6067
2 17527  99.1090 264.4184 0001044  80.5673 279.5611 13.94870142172605
GOES 7
1 17561U 87 22  A 90190.48031209 -.00000092  00000-0  99999-4 0  5688
2 17561   0.1141 255.6870 0005693 179.1189 285.3301  1.00267160  5663
Kvant-1
1 17845U 87 30  A 90192.84555991  .00026293  00000-0  29051-3 0  1893
2 17845  51.6139 206.2893 0010435 128.0736 232.0314 15.62797584188008
DMSP B5D2-3
1 18123U 87 53  A 90193.31462243  .00000351  00000-0  20424-3 0  6389
2 18123  98.8189  23.5784 0014013 315.2768  44.7274 14.14077943157955
RS-10/11
1 18129U 87 54  A 90192.81494048  .00000073  00000-0  72985-4 0  2510
2 18129  82.9290 310.3307 0013055  55.2587 304.9804 13.72097914152825
Meteor 2-16
1 18312U 87 68  A 90192.62411816  .00000219  00000-0  18868-3 0  4568
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2 18312  82.5537 270.9204 0011321 179.1000 181.0182 13.83661049146369
Meteor 2-17
1 18820U 88  5  A 90192.91527670  .00000097  00000-0  81796-4 0  3140
2 18820  82.5453 330.7997 0015241 254.5921 105.3555 13.84351699123602
DMSP B5D2-4
1 18822U 88  6  A 90193.33079229  .00000022  00000-0  18535-4 0  5558
2 18822  98.6416  71.8428 0006296 189.9933 170.1162 14.21486174126399
AO-13
1 19216U 88 51  B 90191.14540911  .00000190  00000-0  99999-4 0  1379
2 19216  56.9975 146.4527 6986158 231.0027  43.2637  2.09695848 15887
OKEAN 1
1 19274U 88 56  A 90192.85702396  .00001687  00000-0  23490-3 0  8645
2 19274  82.5184 135.7262 0023617  45.8567 314.4487 14.77100713108565
Meteor 3-2
1 19336U 88 64  A 90192.57869552  .00000391  00000-0  99999-3 0  5252
2 19336  82.5405 260.1706 0015560 250.7632 109.1793 13.16900235 94162
NOAA 11
1 19531U 88 89  A 90193.32918854  .00000328  00000-0  20073-3 0  3109
2 19531  98.9837 141.6667 0011681 209.1738 150.8778 14.11647077 92514
TDRS 2
1 19548U 88 91  B 90188.69220174  .00000114  00000-0  99999-4 0  1425
2 19548   0.1628  85.7700 0006248  81.0052 193.2474  1.00275652   467
Cosmos 2001
1 19796U 89 11  A 90192.61546838 -.00001026  00000-0  99999-4 0  5448
2 19796  63.3026  89.8277 7077964 319.8858   5.3004  2.00599296 10293
GPS BII-01
1 19802U 89 13  A 90191.87654583  .00000016  00000-0  99999-4 0  1412
2 19802  55.0568 196.4816 0053804 166.0235 194.1443  2.00644214 10223
Akebono
1 19822U 89 16  A 90192.43338337  .00021274  00000-0  13375-2 0  6771
2 19822  75.0946 226.9742 4174014 206.3432 124.6336  7.12195080  1568
Meteor 2-18
1 19851U 89 18  A 90192.53192138  .00000042  00000-0  32246-4 0  2599
2 19851  82.5190 209.0593 0012652 299.9972  59.9935 13.83987167 68931
TDRS 3
1 19883U 89 21  B 90192.31000318 -.00000234  00000-0  99999-4 0  1447
2 19883   0.2074  76.0353 0001492 127.6888 156.2653  1.00273286 75193
GPS BII-02
1 20061U 89 44  A 90191.11244975 -.00000033  00000-0  00000 0 0  1445
2 20061  54.7754  14.9096 0086773 173.6971 186.4465  2.00485267  7956
Nadezhda 1
1 20103U 89 50  A 90191.62739205  .00000053  00000-0  49891-4 0  1593
2 20103  82.9591 267.7181 0037059 335.6807  24.2603 13.73599510 50937
GPS BII-03
1 20185U 89 64  A 90190.53357977  .00000016  00000-0  99999-4 0  1345
2 20185  54.9238 197.4037 0023956 160.4210 199.6884  2.00624498  6511
Activnyi
1 20261U 89 80  A 90192.48402061  .00000216  00000-0  66321-4 0  6024
2 20261  82.5946 213.1367 1256612 283.4952  62.9454 12.43795893 35612
Activnyi RB
1 20262U 89 80  C 90191.25416251  .00000507  00000-0  15663-3 0  2532
2 20262  82.5991 213.9836 1259296 286.5463  60.1199 12.43225641 35462
Magion 2
```

```
1 20281U 89 80  B 90192.52840960  .00000472  00000-0  14449-3 0  5964
2 20281  82.5928 213.0246 1256331 283.2406  63.1736 12.44061735 35628
GPS BII-04
1 20302U 89 85  A 90186.37739525 -.00000028  00000-0  99999-4 0  1365
2 20302  54.6179 316.3206 0029365 324.1311  35.6734  2.00373177  5230
Meteor 3-3
1 20305U 89 86  A 90192.54974308 -.00000061  00000-0 -17388-3 0  1667
2 20305  82.5499 200.8081 0014455 269.0409  90.9026 13.15860317 34151
COBE
1 20322U 89 89  A 90191.09876437  .00002843  00000-0  18677-2 0  1469
2 20322  99.0189 201.0771 0008494 307.8010  52.2393 14.02551029 32704
Kvant-2
1 20335U 89 93  A 90191.75849017  .00022020  00000-0  24489-3 0  2970
2 20335  51.6118 211.7851 0010353 126.7498 233.4241 15.62746266 35441
GPS BII-05
1 20361U 89 97  A 90191.06758882  .00000015  00000-0  99999-4 0   883
2 20361  54.9603 139.4444 0064503  48.5942 311.9250  2.00581338  4184
SPOT 2
1 20436U 90  5  A 90192.62878880  .00000245  00000-0  13327-3 0  2721
2 20436  98.7351 266.8107 0000884  81.8892 278.2386 14.20021499 24213
UO-14
1 20437U 90  5  B 90191.21810701  .00000556  00000-0  23719-3 0  1780
2 20437  98.7007 267.2604 0012520  87.6306 272.6321 14.28655575 24159
UO-15
1 20438U 90  5  C 90191.24610918 -.00000012  00000-0  32367-5 0  1039
2 20438  98.7002 267.2686 0011305  87.2682 272.9789 14.28391482 24153
PACSAT
1 20439U 90  5  D 90190.22580162  .00000383  00000-0  16807-3 0   920
2 20439  98.7036 266.3813 0012855  90.1085 270.1579 14.28758401 24014
DO-17
1 20440U 90  5  E 90190.22116930  .00000448  00000-0  19354-3 0   966
2 20440  98.7028 266.3884 0012941  90.0577 270.2094 14.28805398 24017
WO-18
1 20441U 90  5  F 90191.18913990  .00000328  00000-0  14621-3 0   963
2 20441  98.7038 267.3753 0013288  86.7771 273.4946 14.28901266 24155
LO-19
1 20442U 90  5  G 90191.18105482  .00000432  00000-0  18672-3 0   969
2 20442  98.7039 267.3869 0013589  87.9843 272.2894 14.28971275 24158
GPS BII-06
1 20452U 90  8  A 90191.64282447  .00000001  00000-0  99999-4 0   808
2 20452  54.5508 255.0660 0027829  44.9864 315.3289  2.00872988  3311
MOS-1B
1 20478U 90 13  A 90192.20021706  .00000445  00000-0  35763-3 0  3403
2 20478  99.1896 262.3189 0000991  55.0300 305.0957 13.94829548 21485
DEBUT
1 20479U 90 13  B 90190.15289263  .00000033  00000-0  12483-3 0   921
2 20479  99.0367 232.5114 0541245 358.8748   1.1095 12.83158249 19560
FO-20
1 20480U 90 13  C 90188.12877240 -.00000096  00000-0 -18566-3 0   913
2 20480  99.0373 230.8658 0541440   3.5074 356.9595 12.83137888 19300
MOS-1B R/B
1 20491U 90 13  D 90191.63266453 -.00000200  00000-0 -35064-3 0   989
2 20491  99.0420 238.0445 0470933 336.4028  21.6098 13.02752874 19454
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Soyuz TM-9
1 20494U 90 14  A 90192.84556552  .00019061  00000-0  21249-3 0  1949
2 20494  51.6093 206.2913 0010189 131.5639 228.5711 15.62793559 23525
LACE
1 20496U 90 15  A 90190.15271799  .00004577  00000-0  28296-3 0  1890
2 20496  43.0944 202.0400 0013926 133.4897 226.7100 15.10853576 21845
RME
1 20497U 90 15  B 90192.22626331  .00010226  00000-0  28630-3 0  1943
2 20497  43.1039 160.0679 0014820 144.1934 215.9878 15.36649134 22538
Nadezhda 2
1 20508U 90 17  A 90192.63818300  .00000097  00000-0  97655-4 0  1198
2 20508  82.9503  41.8773 0043200 279.4434  80.1845 13.73218717 18360
OKEAN 2
1 20510U 90 18  A 90192.85122897  .00001516  00000-0  23084-3 0  2085
2 20510  82.5265  75.0155 0019087 189.8750 170.2019 14.73258722 19702
INTELSAT-6
1 20523U 90 21  A 90192.80329067  .00010313  00000-0  73669-3 0  2119
2 20523  28.3446 102.2658 0017559  90.7430 269.6347 15.02780350 18158
GPS BII-07
1 20533U 90 25  A 90189.84819147 -.00000032  00000-0  00000 0 0   512
2 20533  55.0962  15.0675 0035647 102.0576 258.3794  2.00549504  2034
Offeq 2
1 20540U 90 27  A 90190.02663918  .35642929 -91945-4  71595-3 0  2180
2 20540 143.1699 295.4821 0043797 111.5211 249.4308 16.41348520 14222
PegSat
1 20546U 90 28  A 90191.76785752  .00005512  00000-0  34646-3 0  1444
2 20546  94.1161 227.6248 0147987 246.5893 111.9795 15.00623550 14370
HST
1 20580U 90 37  B 90191.63102895  .00002717  00000-0  29841-3 0  1253
2 20580  28.4710 100.4328 0005385  11.6955 348.3876 14.84576560 11462
1990 043C
1 20609U 90 43  C 90171.49996653  .00002673  00000-0  49253-3 0   346
2 20609  89.8845 194.6763 0115406 134.7122 226.3597 14.61070356  6131
Cosmos 2079
1 20619U 90 45  A 90183.18162415 -.00000015  00000-0  99999-4 0   666
2 20619  64.8990  38.4694 0021232 211.7782 148.1393  2.13102858   940
Cosmos 2080
1 20620U 90 45  B 90170.62952013 -.00000015  00000-0  99999-4 0   507
2 20620  64.8743  38.9184 0008637  40.2121 319.9150  2.13103990   681
Cosmos 2081
1 20621U 90 45  C 90175.84977191 -.00000015  00000-0  99999-4 0   488
2 20621  64.8983  38.7309 0011927 198.4009 161.6165  2.13101327   794
1990 045E
1 20623U          90170.70161879 -.00000015           10000-3 0   305
2 20623  64.8836  38.9024 0015879 342.3694  17.6368  2.13413552   688
Cosmos 2082
1 20624U          90178.33809439  .00000248  00000-0  15642-3 0   499
2 20624  71.0027 289.2272 0005895 345.8847  14.2115 14.12184586  5101
1990 046B
1 20625U 90 46  B 90176.75202607 -.00000199  00000-0 -94929-4 0   175
2 20625  71.0012 292.4176 0016855 297.5224  62.4185 14.13303811  4886
Kristall
1 20635U 90 48  A 90191.69453503  .00023494  00000-0  26076-3 0   731
```

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2 20635  51.6098 212.1089 0009832 122.0069 238.1168 15.62759250  6313
ROSAT
1 20638U 90 49  A 90187.00592365  .00002308  00000-0  21651-3 0   291
2 20638  52.9885 326.8089 0015955  44.1557 316.0698 14.97741876  5108
1990 049B
1 20639U 90 49  B 90186.77313651  .00012056  00000-0  52549-3 0   363
2 20639  52.5158 315.1529 0074503 358.3877   1.6875 15.20114840  5158
1989 100N
1 20640U 89100  N 90164.84157702  .00302012  00000-0  12684-1 0   287
2 20640  73.5282 100.1213 0015575 186.1766 174.0874 15.21911966 25589
INSAT 1-D
1 20643U 90 51  A 90183.98945381 -.00000134  00000-0  99999-4 0   155
2 20643   0.1624 277.6581 0005140 143.5349 298.8135  1.00262305   189
1990 051B
1 20644U 90 51  B 90191.92205366  .03447523 -44880-4  10571-2 0   527
2 20644  27.2693 307.3565 0029794 105.3101 255.5053 16.24173646  4579
1990 051C
1 20645U 90 51  C 90190.98470716  .00146799  24824-4  66570-3 0   250
2 20645  27.1777 158.6411 7466348 194.5605 117.5635  2.10584253   563
Molniya3-38
1 20646U 90 52  A 90191.63506854 -.00000200  00000-0 -24263-2 0   344
2 20646  62.8502 223.4305 7413449 280.1396  11.0122  2.00630704   585
1990 052D
1 20649U 90 52  D 90184.97930720 -.00000874  00000-0 -47338-2 0   153
2 20649  62.8133 224.4544 7455374 280.0783   3.7659  1.96245518   421
Gorizont 20
1 20659U 90 54  A 90190.70317166 -.00000197  00000-0  99999-4 0   213
2 20659   1.4953 269.3339 0018318 240.3001 120.8410  1.00259040   201
1990 054D
1 20662U 90 54  D 90189.65736321 -.00000328  00000-0  99999-4 0   101
2 20662   1.5615 268.5796 0015846 293.5252  67.0470  1.00516475   206
Cosmos 2084
1 20663U          90191.32470881 -.00002096  00000-0 -32034-3 0   355
2 20663  62.8067 112.1697 0124477   6.8452 353.3978 14.66774171  2706
1990 055B
1 20664U 90 55  B 90191.79662564  .01379925  38201-4  13440-2 0   339
2 20664  62.8175  99.9018 0165093 124.6023 235.8814 15.89147243  2970
1990 055C
1 20665U 90 55  C 90190.72996504  .01207377  37517-4  10036-2 0   266
2 20665  62.8554 104.6057 0201106 124.0635 237.8696 15.83585044  2809
1990 055D
1 20666U 90 55  D 90190.74614858  .00002392  00000-0  38426-3 0   163
2 20666  62.7968 113.7639 0120592  13.4822 346.9419 14.69509785  2629
INTELSAT-F6
1 20667U 90 56  A 90188.31401779 -.00000226  00000-0  99999-4 0   114
2 20667   0.3742 256.5319 0023264 329.9148 133.3552  1.00266058   160
1990 056C
1 20669U 90 56  C 90187.33272697  .00004344  00000-0  18739-2 0    94
2 20669  24.2378 259.6867 7414708   8.8202 359.2468  2.10783513   271
Meteor 2-19
1 20670U 90 57  A 90190.71054433  .00000169  00000-0  14260-3 0   120
2 20670  82.5475 270.7909 0015085 220.3947 139.6098 13.83838708  1633
1990 057B
```

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1 20671U 90 57  B 90189.62351797 -.00000304  00000-0 -27867-3 0    54
2 20671  82.5489 271.6497 0014243 226.3577 133.6398 13.84156886  1482
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Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology
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From -3224277949001323458
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c9e3a060df1e4e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,7c9e3a060df1e4e,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-07-16 03:32:11 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!rutgers!att!cbnewsk!wheatley
From: wheatley@cbnewsk.att.com (steven.m.wheatley)
Newsgroups: rec.ham-radio,rec.ham-radio.swap
Subject: TUBES NEEDED (BRITISH DESIGNATION, I THINK)
Message-ID: <1990Jul16.033914.15532@cbnewsk.att.com>
Date: 16 Jul 90 03:39:14 GMT
Followup-To: poster
Organization: AT&T Bell Laboratories
Lines: 17
Xref: gmdzi rec.ham-radio:12909 rec.ham-radio.swap:508
Posted: Mon Jul 16 04:39:14 1990

I am looking for the following tubes for a friend in XX9 - Macau.
If you know where I might find some of these, please fire me a
note. Please include your phone number, so that I can give you a
ring (even if you are in Europe, where I may have to call to get these!)

KTW61 or KTW62 or KTW63 (need 3)
X65 or X66 (need 1)
MHLD6 or DL63 (need 2)
Y61 or Y63 or 6US (need 1)

thanks!
73 steve ku9c
--

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Steven Wheatley    AT&T Consumer Products    (317) 845-3927
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....!att!inuxz!wheatley

From -4450240652040811012
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4305538c131ed6a8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 03:33:39 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio

Subject: AMSAT Bulletins, 7/14/90
Keywords: Ham satellite news
Message-ID: <907@ssc.UUCP>
Date: 16 Jul 90 01:14:17 GMT
Organization: very little
Lines: 492
Posted: Mon Jul 16 02:14:17 1990

SB ALL @ AMSAT $ANS-195.01
DOVE RCVRY EFFORT CONTINUES

HR AMSAT NEWS SERVICE BULLETIN 195.01 FROM AMSAT HQ
SILVER SPRING, MD JULY 14, 1990
TO ALL RADIO AMATEURS BT

DOVE Software Reload & Recovery Effort Continues Despite Temporary Setback

On Sunday, July 8th at 02:30 UTC N4HY was able to successfully command DOVE back on 2M and, for a short time, the familiar ASCII telemetry was heard again. However, by the time DOVE reappeared over North America at around 05:00 UTC, it was evident that its on-board computer (OBC) had crashed. During the short time in which DOVE was sending telemetry, K0RZ copied several minutes of that telemetry which N4HY subsequently studied to evaluate the health of the spacecraft. From these first few frames of telemetry, N4HY declared that DOVE's batteries are in excellent condition with the bus voltage showing 10.9 volts. Also, the RAM memory appeared to be in good condition. Overall, DOVE has survived its four month hiatus very well.

In spite of this initial setback in returning DOVE to regular service, N4HY by no means given up or declared the task impossible. N4HY says that he plans to carefully study the several minutes of telemetry and the diagnostic memory "dumps" in order to discover the cause of the OBC crash. Keep in mind that this is the very first attempt to load software into DOVE using the "auditory" method, i.e., using the ear to tell when a packet stream has been successfully received and then manually sending the next packet group. N4HY further adds that he thinks one of the probable causes of the OBC crash this time was due to his thinking he heard an Acknowledge packet when in fact there was no ACK during the software loading process.

Stay tuned to AMSAT News Service (ANS) bulletins for further updates on the DOVE recovery effort.
/EX
SB ALL @ AMSAT $ANS-195.02
AO-16 OBC RESET COMMANDED

HR AMSAT NEWS SERVICE BULLETIN 195.02 FROM AMSAT HQ
SILVER SPRING, MD JULY 14, 1990
TO ALL RADIO AMATEURS BT

AO-16 On-Board Computer Reset For New Software

On July 12, 1990 at 01:17 UTC N4HY manually reset the AO-16 on-board computer

(OBC). This reset was necessary so that new software updates could be loaded. These updates include improvements to the Whole Orbit Data (WOD) data collection routines. MICROSAT engineers were ready to make the changes to these telemetry functions. AO-16 users should not be alarmed if they see no telemetry coming from AO-16 for the days following the reset. NK6K will load the new software as quickly as possible. N4HY wishes to stress that ALL IS WELL with AO-16 and this is a routine procedure to load new software.
/EX
SB ALL @ AMSAT $ANS-195.03
AO-13 ORBIT DECAY ANALYSES

HR AMSAT NEWS SERVICE BULLETIN 195.03 FROM AMSAT HQ
SILVER SPRING, MD JULY 14, 1990
TO ALL RADIO AMATEURS BT

Further Studies Continue To Examine AO-13 Orbital Decay

In the ever continuing analysis of AO-13's orbital decay situation, more work has been recently done by an orbital dynamics expert to characterize the nature of this problem more fully. Using a very large and detailed mathematical model of the earth's gravitational field and the perturbations to AO-13's orbit due to the sun and moon, the results show a mostly linear decay, but with a few wiggles, in the perigee altitude until 1992. At that point the perigee altitude will start to trend upwards until early 1994 when it will reach a peak. Then it turns around and the math model subsequently predicts that the perigee altitude will plunge to 200 KM by mid 1996. By late 1996 the math model shows that AO-13's perigee will reach 100 KM and eventual reentry into the earth's atmosphere.

HOWEVER, before all AO-13 users start to mourn the loss of this most popular OSCAR, keep in mind the old computer programming axiom, GIGO: "Garbage In, Garbage Out." At the present time this very large computer program used to generate these results is like a "black box." The analyst's answers are only as good as the assumptions that were used in building this computer program and the initial data available to work with. All AO-13 users are requested to keep this in mind when contemplating the impending reentry of AO-13.
/EX
SB ALL @ AMSAT $ANS-195.04
ZRO TEST ROUND NOW COMPLETE

HR AMSAT NEWS SERVICE BULLETIN 195.04 FROM AMSAT HQ
SILVER SPRING, MD JULY 14, 1990
TO ALL RADIO AMATEURS BT

WA5ZIB Reports Success in Recent ZRO Test Runs

The ZRO Tests in June went very well. More will be scheduled when AO-13 is again oriented for NADIR pointing. During the June 30th "JL" run time ran out for the "J" uplink before W6HDO could complete the test but the Mode "B" test went as planned.

Response to the ZRO Tests has been excellent. If you copied any of the June runs please send your results to WA5ZIB, Andy MacAllister, 14714

Knightsway Drive, Houston, TX 77083 U.S.A. A report will be returned after the numbers copied have been checked with the lists from WA5ZIB (mode "B") and W6HDO (mode "JL").

Due to the large volume of reports many certificate requests have been delayed. All replies will be in the mail by the end of July and a new schedule for the Fall will be announced as soon as AO-13's schedule for that period has been released.
/EX
SB ALL @ AMSAT $ANS-195.05
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 195.05 FROM AMSAT HQ
SILVER SPRING, MD JULY 14, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times. Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date UTC	Time	Phs	Mode	NCS	U.S. Day
16 Jul 90	0115	130	B	N5BF	Sunday
27 Jul 90	0030	130	B	N5BF	Thursday
07 Aug 90	0130	170	J/L	N5BF	Monday
18 Aug 90	0045	170	J/L	N5BF	Friday

For information on the amateur satellite program and how you can participate, contact AMSAT-NA at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062, or contact your nearby AMSAT Regional Coordinator
/EX
SB ALL @ AMSAT $ANS-195.06
AO-13 TRANSPONDER SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 195.06 FROM AMSAT HQ
SILVER SPRING, MD JULY 14, 1990
TO ALL RADIO AMATEURS BT

A new Transponder Schedule for AO-13 was put into effect on July 3.

The present transponder schedule for AO-13 is as follows:

Mode-B : MA 003 to MA 165
Mode-JL : MA 165 to MA 190
Mode-LS : MA 190 to MA 195 (Mode S Beacon only)
Mode-S : MA 195 to MA 200
Mode-BS : MA 200 to MA 205
Mode-B : MA 205 to MA 240
Off : MA 240 to MA 003
Omni Antennas : MA 240 to MA 060

Cross mode B and S QSOs are possible from MA 200 to 205.

The current attitude estimate:

BLON = 207 and BLAT = +1

AMSAT-OSCAR-10 appears to be receiving sufficient solar panel illumination to support Mode-B transponder operations, therefore, the transponder is available for general use whenever AO-10 is in view at your location. Please DO NOT use the transponder if the signals are FMing. The current estimate of AO-10's attitude is   LON 24 deg   LAT -9 deg.

Much activity has been heard on AO-10 centering around a popular calling frequency of 145.910 MHz.
/EX
SB ALL @ AMSAT $ORBS-195.O
Orbital Elements 195.OSCAR

HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES
FROM N3FKV LORENA, TX   JULY 14, 1990
TO ALL RADIO AMATEURS BT

```
Satellite: AO-10
Catalog number: 14129
Epoch time:      90177.47365881
Element set:     530
Inclination:       26.0107 deg
RA of node:       197.5005 deg
Eccentricity:    0.5961085
Arg of perigee:   154.3991 deg
Mean anomaly:     254.3150 deg
Mean motion:    2.05881318 rev/day
Decay rate:      -4.10e-07 rev/day^2
Epoch rev:            5292

Satellite: UO-11
Catalog number: 14781
Epoch time:      90191.57502339
Element set:     757
Inclination:       97.9492 deg
RA of node:       243.3660 deg
Eccentricity:    0.0012377
Arg of perigee:   168.3760 deg
Mean anomaly:     191.7741 deg
Mean motion:   14.65481731 rev/day
Decay rate:      1.145e-05 rev/day^2
Epoch rev:           33939

Satellite: RS-10/11
Catalog number: 18129
Epoch time:      90192.81494048
Element set:     251
```

```
Inclination:       82.9290 deg
RA of node:       310.3307 deg
Eccentricity:    0.0013055
Arg of perigee:    55.2587 deg
Mean anomaly:     304.9804 deg
Mean motion:   13.72097914 rev/day
Decay rate:       7.30e-07 rev/day^2
Epoch rev:           15282

Satellite: AO-13
Catalog number: 19216
Epoch time:      90191.14540911
Element set:     137
Inclination:       56.9975 deg
RA of node:       146.4527 deg
Eccentricity:    0.6986158
Arg of perigee:   231.0027 deg
Mean anomaly:      43.2637 deg
Mean motion:    2.09695848 rev/day
Decay rate:       1.90e-06 rev/day^2
Epoch rev:            1588

Satellite: FO-20
Catalog number: 20480
Epoch time:      90190.15289263
Element set:      92
Inclination:       99.0367 deg
RA of node:       232.5114 deg
Eccentricity:    0.0541245
Arg of perigee:   358.8748 deg
Mean anomaly:       1.1095 deg
Mean motion:   12.83158249 rev/day
Decay rate:       3.30e-07 rev/day^2
Epoch rev:            1956
/EX
SB ALL @ AMSAT $ORBS-195.D
Orbital Elements 195.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS
FROM N3FKV LORENA, TX      JULY 14, 1990
TO ALL RADIO AMATEURS BT

Satellite: UO-14
Catalog number: 20437
Epoch time:      90191.21810701
Element set:     178
Inclination:       98.7007 deg
RA of node:       267.2604 deg
Eccentric12520
Arg of perigee:    87.6306 deg
Mean anomaly:     272.6321 deg
Mean motion:   14.28655575 rev/day
Decay rate:       5.56e-06 rev/day^2
```

```
Epoch rev:            2415

Satellite: AO-16
Catalog number: 20439
Epoch time:      90190.22580162
Element set:      92
Inclination:       98.7036 deg
RA of node:       266.3813 deg
Eccentricity:    0.0012855
Arg of perigee:    90.1085 deg
Mean anomaly:     270.1579 deg
Mean motion:   14.28758401 rev/day
Decay rate:       3.83e-06 rev/day^2
Epoch rev:            2401

Satellite: DO-17
Catalog number: 20440
Epoch time:      90190.22116930
Element set:      96
Inclination:       98.7028 deg
RA of node:       266.3884 deg
Eccentricity:    0.0012941
Arg of perigee:    90.0577 deg
Mean anomaly:     270.2094 deg
Mean motion:   14.28805398 rev/day
Decay rate:       4.48e-06 rev/day^2
Epoch rev:            2401

Satellite: WO-18
Catalog number: 20441
Epoch time:      90191.18913990
Element set:      96
Inclination:       98.7038 deg
RA of node:       267.3753 deg
Eccentricity:    0.0013288
Arg of perigee:    86.7771 deg
Mean anomaly:     273.4946 deg
Mean motion:   14.28901266 rev/day
Decay rate:       3.28e-06 rev/day^2
Epoch rev:            2415

Satellite: LO-19
Catalog number: 20442
Epoch time:      90191.18105482
Element set:      96
Inclination:       98.7039 deg
RA of node:       267.3869 deg
Eccentricity:    0.0013589
Arg of perigee:    87.9843 deg
Mean anomaly:     272.2894 deg
Mean motion:   14.28971275 rev/day
Decay rate:       4.32e-06 rev/day^2
Epoch rev:            2415
```

```
/EX
SB ALL @ AMSAT $ORBS-195.M
Orbital Elements 195.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES
FROM N3FKV LORENA, TX      JULY 14, 1990
TO ALL RADIO AMATEURS BT

Satellite: SALYUT 7
Catalog number: 13138
Epoch time:      90192.51169570
Element set:     375
Inclination:       51.6003 deg
RA of node:       180.8778 deg
Eccentricity:    0.0002247
Arg of perigee:    43.2923 deg
Mean anomaly:     316.7891 deg
Mean motion:   15.65886534 rev/day
Decay rate:     3.3467e-04 rev/day^2
Epoch rev:           46866
Satellite: MIR
Catalog number: 16609
Epoch time:      90192.52584680
Element set:     786
Inclination:       51.6114 deg
RA of node:       207.9040 deg
Eccentricity:    0.0010622
Arg of perigee:   130.7690 deg
Mean anomaly:     229.4185 deg
Mean motion:   15.62780689 rev/day
Decay rate:     1.7139e-04 rev/day^2
Epoch rev:           25190

Satellite: HUBBLE
Catalog number: 20580
Epoch time:      90191.63102895
Element set:     125
Inclination:       28.4710 deg
RA of node:       100.4328 deg
Eccentricity:    0.0005385
Arg of perigee:    11.6955 deg
Mean anomaly:     348.3876 deg
Mean motion:   14.84576560 rev/day
Decay rate:      2.717e-05 rev/day^2
Epoch rev:            1146
/EX
SB ALL @ AMSAT $ORBS-195.W
Orbital Elements 195.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM N3FKV LORENA, TX      JULY 14, 1990
TO ALL RADIO AMATEURS BT
```

```
Satellite: NOAA-9
Catalog number: 15427
Epoch time:      90193.26836137
Element set:     602
Inclination:       99.1684 deg
RA of node:       193.6802 deg
Eccentricity:    0.0014361
Arg of perigee:   300.7705 deg
Mean anomaly:      59.2051 deg
Mean motion:   14.12616769 rev/day
Decay rate:       4.32e-06 rev/day^2
Epoch rev:           28752

Satellite: NOAA-10
Catalog number: 16969
Epoch time:      90193.29612781
Element set:     450
Inclination:       98.5976 deg
RA of node:       220.6777 deg
Eccentricity:    0.0013064
Arg of perigee:   192.8958 deg
Mean anomaly:     167.1887 deg
Mean motion:   14.23661383 rev/day
Decay rate:       4.59e-06 rev/day^2
Epoch rev:           19818

Satellite: MET-2/16
Catalog number: 18312
Epoch time:      90192.62411816
Element set:     456
Inclination:       82.5537 deg
RA of node:       270.9204 deg
Eccentricity:    0.0011321
Arg of perigee:   179.1000 deg
Mean anomaly:     181.0182 deg
Mean motion:   13.83661049 rev/day
Decay rate:       2.19e-06 rev/day^2
Epoch rev:           14636

Satellite: MET-2/17
Catalog number: 18820
Epoch time:      90192.91527670
Element set:     314
Inclination:       82.5453 deg
RA of node:       330.7997 deg
Eccentricity:    0.0015241
Arg of perigee:   254.5921 deg
Mean anomaly:     105.3555 deg
Mean motion:   13.84351699 rev/day
Decay rate:       9.70e-07 rev/day^2
Epoch rev:           12360

Satellite: MET-3/2
```

```
Catalog number: 19336
Epoch time:      90192.57869552
Element set:     525
Inclination:       82.5405 deg
RA of node:       260.1706 deg
Eccentricity:    0.0015560
Arg of perigee:   250.7632 deg
Mean anomaly:     109.1793 deg
Mean motion:   13.16900235 rev/day
Decay rate:       3.91e-06 rev/day^2
Epoch rev:            9416

Satellite: NOAA-11
Catalog number: 19531
Epoch time:      90193.32918854
Element set:     310
Inclination:       98.9837 deg
RA of node:       141.6667 deg
Eccentricity:    0.0011681
Arg of perigee:   209.1738 deg
Mean anomaly:     150.8778 deg
Mean motion:   14.11647077 rev/day
Decay rate:       3.28e-06 rev/day^2
Epoch rev:            9251

Satellite: MET-2/18
Catalog number: 19851
Epoch time:      90192.53192138
Element set:     259
Inclination:       82.5190 deg
RA of node:       209.0593 deg
Eccentricity:    0.0012652
Arg of perigee:   299.9972 deg
Mean anomaly:      59.9935 deg
Mean motion:   13.83987167 rev/day
Decay rate:       4.20e-07 rev/day^2
Epoch rev:            6893

Satellite: MET-3/3
Catalog number: 20305
Epoch time:      90192.54974308
Element set:     166
Inclination:       82.5499 deg
RA of node:       200.8081 deg
Eccentricity:    0.0014455
Arg of perigee:   269.0409 deg
Mean anomaly:      90.9026 deg
Mean motion:   13.15860317 rev/day
Decay rate:      -6.10e-07 rev/day^2
Epoch rev:            3415

Satellite: MET-2/19
Catalog number: 20670
```

```
Epoch time:      90190.71054433
Element set:      12
Inclination:       82.5475 deg
RA of node:       270.7909 deg
Eccentricity:    0.0015085
Arg of perigee:   220.3947 deg
Mean anomaly:     139.6098 deg
Mean motion:   13.83838708 rev/day
Decay rate:       1.69e-06 rev/day^2
Epoch rev:             163
```

/EX

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 8658511804300098491
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 03:33:44 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Wayne and Byte...
Message-ID: <908@ssc.UUCP>
Date: 16 Jul 90 01:21:38 GMT
References: <25204@bellcore.bellcore.com> <530016@hpdmd48boi.hp.com>
Organization: very little
Lines: 21
Posted: Mon Jul 16 02:21:38 1990

In article <530016@hpdmd48boi.hp.com>, ritchie@hpdmd48boi.hp.com (David Ritchie) writes:

> Actually, Wayne started Byte, and his wife divorced him and was awarded it
> in the divorce settlement.

Not true. Because of earlier problems with the IRS, Wayne thought he would
be smart and put it in his wife's name. So when his wife AND his staff got
fed up with his antics, they just left with the magazine....no settlement
was needed, since NONE of it was in his name!

>
Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 2830395854897820357
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ecb79cf07c150082
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 03:33:57 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Fundamental Overload (was FCC TVI Complaint)
Summary: fundamental overload, High Pass filter
Message-ID: <909@ssc.UUCP>
Date: 16 Jul 90 01:27:07 GMT
References: <9007131353.AA08667@uunet.uu.net>
Organization: very little
Lines: 41
Posted: Mon Jul 16 02:27:07 1990

In article <9007131353.AA08667@uunet.uu.net>, 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE") writes:
>
>
> Subject: Fundamental Overload (was FCC TVI Complaint)
>
> John Broughton writes, in his tale of TVI tribulations....
>
> (lots deleted)
>
> >   to time, duration and channel. I also sent her a drawing of a filter
> >   setup from a TVI talk given by a TVI expert at my club's hamfest the
> >   end of January. He claimed 90% of TVI is fundamental overload and
> >   the filter configuration he suggested worked in almost all cases.
>
> (lots more deleted)
>
> At the extreme risk of showing my ignorance, I'm a bit curious as to what
> filter configuration helps cut down fundamental overload. I always thought
> fixing that required relocation of the rig, the TV, the antennas, or some
> combination thereof.
>
>

If I am transmitting at 14.2 Mhz, that is the fundamental frequency. If I install a Low Pass filter at the transmitter, this does nothing to attenuate the fundamental signal, but should keep the FCC off my back concerning harmonics above 30 MHz.

At the TV set, if I install a Hi Pass filter that attenuates signals below 50 MHz, then this attenuates the fundamental (14 MHz) signal and lessens fundamental overload.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 8532720068742072903
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 03:34:15 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Wayne and Byte...
Summary: Wayne, Wayne, Wayne....
Message-ID: <910@ssc.UUCP>
Date: 16 Jul 90 01:44:15 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com>
<3721@altos86.Altos.COM>
Organization: very little
Lines: 23
Posted: Mon Jul 16 02:44:15 1990

In article <3721@altos86.Altos.COM>, jerry@altos86.Altos.COM (Jerry Gardner) writes:
>
> I've also read someplace that Wayne Green was convicted of felony tax evasion
> in the seventies.

You ought to read some of the trial transcripts for a good laugh. There was a book published when he was running for Vice President of the United States called "Run Wayne Run" detailing some of his more outrageous exploits. They had some copies of the testmimony in his tax evasion trial. In it, the judge was lambasting Wayne for lying to the court, and Wayne's response was this rambling, self-pitying testimony about how all his life he had suffered from an inferiority complex due to his small penis size!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -7019478447588408204
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,3048ed575895827c
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1990-07-16 03:34:34 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: John Sculley (Was Wayne Green, state of ham radio, etc.)
Summary: Steve, Steve and Wayne
      Apple
Message-ID: <912@ssc.UUCP>
Date: 16 Jul 90 01:57:46 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com>
<42965@apple.Apple.COM>
Organization: very little
Lines: 22
Posted: Mon Jul 16 02:57:46 1990

In article <42965@apple.Apple.COM>, winter@Apple.COM (Patty Winter) writes:
>
> p.s. That story about Wayne Green visiting Steve and Steve in The Garage
> sounds awfully apochryphal. Can anyone (except Wayne) verify it?

I normally take anything Wayne says with a LARGE grain of salt, but this one (I think) is true. The reason I believe it is that Wayne published it back when Apple was one of a few garage operations around the country shipping kits....not later when they made it big.

You're right thought.....it does SOUND apochryphal!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad

```
or, tad@ssc.UUCP


From -6714767465231281673
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b068affc1b8c865
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 05:31:02 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!
rutgers!uwm.edu!ux1.cso.uiuc.edu!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Communicator Class
Message-ID: <336.26A09B83@w8grt.fidonet.org>
Date: 15 Jul 90 19:32:02 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 81
Posted: Sun Jul 15 20:32:02 1990


 > From: mgb@TECNET1.JCTE.JCS.MIL
 > Date: 15 Jul 90 03:33:50 GMT
 > Organization: The Internet
 > Message-ID: <9007150333.AA21267@tecnet1.jcte.jcs.mil>
 > Newsgroups: rec.ham-radio
 >
 >
 >
 > Subject: Communicator Class
 >
 > >>      As for testing, Communicator make code free.  Same with Novice.
 > >> If they are serious about getting into it more into ham, they should make
 > >> 5 wpm code under Tech. class.  The more you get into the hobby, the more
 > >> problems you will get with undesirables satisticly.  This may weed out
 > >> those not really serious about the service/hobby.
 >
 > ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil@ucsd.edu (Phil Howard, KA9WGN)
 > replies:
 >
 > >It has already been concluded that the code does NOT make a good weed-out
 > >filter.  Maybe we need one, but code won't do it.
 >
 >
 > Whoa!  Wait a minute!  The issue of how good or how bad a "filter" CW is
 > for
 > Amateur Radio was debated long and hard for months!  It got really hot
 > there
 > for awhile on this subject... however nothing was ever "CONCLUDED".  You
 > may
 > have believed that one side or the other WON the argument, or you might
 > have
 > happened to agree that your point of view was espoused most heavily, but
 > the
```

> issue was NEVER "concluded". To use that word means that all (or even most) parties agreed to that viewpoint, and such was definitely not the case.
>
> In addition, it is IMPOSSIBLE to judge a bandpass filter by looking at what got through and never knowing what was KEPT OUT!
>
> People can complain about CW, they can flame those that feel there is a need for a "filter" at all, and they can argue the pro's and con's till the Sun burns out, but in my humble opinion... you will never be able to convince me that learning Morse Code doesn't demonstrate a desire to WORK towards a goal, and I am a strong believer in the adage that the more that you work for something, the more you will value it.

I do wish ham radio operators would break themselves of the silly delusions that <a> ham radio is important in today's world and <b> that FCC regulations are intended only to preserve the status exclusivity of those who are already licensed.

Hard, brutal truth #1: In today's world ham radio's only real value is as a National Park of the Mind - for recreation and learning.

Hard, brutal truth #2: Tough, exclusionary licensing processes do not contribute to truth #1.

Hard, brutal truth #3: Because of #1 and #2 above, present ham radio operators are the last people who should be listened to about the no-code petition.

Hard, brutal truth #4: The FCC is well aware of #3.

73 de Jim Grubs, W8GRT

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: {ncar!asuvax!stjhmc!,iuvax!ndmath!nstar}!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From -6834435526932092544
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 107ada,cb0858279d8f8465
X-Google-Attributes: gid107ada,public

X-Google-Thread: 10c9e3,fc07198dd56f7e99,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 05:33:12 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: World Radiosport Team Championship
Keywords: HF contest, 7/20/90
Message-ID: <913@ssc.UUCP>
Date: 16 Jul 90 06:39:26 GMT
Organization: very little
Lines: 71
Posted: Mon Jul 16 07:39:26 1990

SB DXTEST @ ALLUSA $KT7H0716
Radiosport Test, pt. 1 of 2.

World Radiosport Team Championship
Bulletin ID: $KT7H0716
Part 1 of 2.

All beams will be on Seattle July 20-21st! The best of the best contesters will be competing in the first ever World Radiosport Team Championship. This will be a 10-hour sprint with lots of fun and action.

Join in and search out the 7-land/WG calls!

In cooperation with the 1990 Goodwill Games Cultural Exchange program, invited teams from around the world will compete in Seattle for the World Championship. There will be 22, 2-operator teams from 17 countries signing with special designator /WG (World Games). They will not be identifying their nationality, and they will all be running barefoot using identical Icom radios and similar antennas. All WRTC stations will be in the Seattle area. The local competition to be a host station was almost as intense as the contest itself!

This historic event will take place on July 20-21, 2100-0700 UTC. Modes will be CW and SSB on 80-40-20-15-10 meters. There are multiple categories, all CQWW rules. Work any station once per band/mode.

Continued in part 2.
/EX
SB DXTEST @ ALLUSA $KT7H0717
Radiosport Test, pt. 2 of 2.

World Radiosport Team Championship
Bulletin ID: $KT7H0717
Part 2 of 2.

Exchange RST and serial number starting with 001.
Points: 50 pts. each WRTC/WG each band/mode.
3 pts. different continent.
2 pts. same continent, different country.
2x pts each CW QSO.
Multipliers: US, VE, JA call areas, DXCC countries, WRTC stations.
Scoring: QSO points x multipliers = final score.

Prizes to be awarded will be gold, silver, and bronze medals, and plaques for the winning WRTC teams. Any contestant scoring in the top 500 will receive a WRTC T-shirt. You can get a certificate for 5 /WG contacts, or a pin for 30 WRTC /WG contacts. Logs must be postmarked by 8/20/90, to:

WRTC
4821 - 51st Ave. SW,
Seattle, WA 98116-4329
USA.

A video of the event will be shot. Watch for it in a few months!

This operating event is endorsed by the ARRL and the Soviet Radiosport Federation. Sponsors include Icom, MFJ, US Tower, Ham Radio Outlet, CQ magazine, Joe Mullen W3RLR, and other local suppliers.

73,
Tad KT7H @ N7HFZ.WA.USA.NA.
/EX
SP KT7H @ N7HFZ.WA.USA.NA.
WRTC
7/16/90
/EX

From -5038581933300346215
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c96982b42431958b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 05:33:35 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!kuhub.cc.ukans.edu!baxter
From: baxter@kuhub.cc.ukans.edu
Newsgroups: rec.ham-radio
Subject: Re: Online Callbook
Message-ID: <24964.26a0f0fe@kuhub.cc.ukans.edu>
Date: 16 Jul 90 03:41:02 GMT
References: <5A070B0F2C1F0256-MTABWIDENER*DXANDY@widener>
<579@dptspd.sat.datapoint.com>
Organization: University of Kansas Academic Computing Services
Lines: 35
Posted: Mon Jul 16 04:41:02 1990

In article <579@dptspd.sat.datapoint.com>, lcz@dptspd.sat.datapoint.com (Lee

Ziegenhals) writes:
> DXANDY%widener@PUCC.PRINCETON.EDU writes:
>>Hi!
>> There used to be an online callbook for US callsigns that was located at
>>callbook@sat.datapoint.com, but recently I have not been able to get any
>>response from it. Is it still up?
>
> Andy, the server is still up and running! The log shows requests from
> you on 6/14, 7/3, and 7/11. No bounces on any of them. Btw, the
> first two requests came from dxandy%widener.bitnet@cornellc.cit.cornell.edu,
> and the last from dxandy%widener@pucc.princeton.edu.
>
> If you or anyone else is having problem receiving replies from the server,
> you might try including a "path" command in the text of your message. For
> example:
>
>   path user@domain
> or
>   path bang!path
>
> as appropriate. The path should be either a domain address accessable from
> the internet, or a uucp bang path (relative from uunet is fine; my mailer
> knows at least how to get there).
>
> The path shouldn't be necessary, of course, but it's there if needed. If
> you can't seem to get it to work at all, please drop me a note!
>
> 73/Lee, N5LYT
> lcz@sat.datapoint.com

As a new reader of this newsgroup, how does one access this fileserver.
I presume a message is sent to callbook@sat.datapoint.com, but how is
the message structured so that it interprets the query correctly?

Kirk Baxter, N0FPZ

From -8164981186127205613
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eafe7914517c3d81,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-16 05:33:42 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!
kuhub.cc.ukans.edu!baxter
From: baxter@kuhub.cc.ukans.edu
Newsgroups: rec.ham-radio
Subject: Dual-band comments wanted
Message-ID: <24965.26a0f28d@kuhub.cc.ukans.edu>
Date: 16 Jul 90 03:47:40 GMT
Organization: University of Kansas Academic Computing Services
Lines: 9
Posted: Mon Jul 16 04:47:40 1990

I'd like to solicit comments from current users of dual-bander radios (2meter/440) on their feelings about the model of radio they are using

I'm interested in anyone who may have tested the new Alinco 570, and what their opinion of the radio is.

Also, if anyone has compared the ICOM-2400 vs Kenwood's 731.

Any input would be appreciated.

```
From -1270310143683041968
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c96982b42431958b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 14:49:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!zaphod.mps.ohio-state.edu!
swrinde!dptspd!lcz
From: lcz@dptspd.sat.datapoint.com (Lee Ziegenhals)
Newsgroups: rec.ham-radio
Subject: Re: Online Callbook
Message-ID: <579@dptspd.sat.datapoint.com>
Date: 11 Jul 90 21:49:00 GMT
References: <5A070B0F2C1F0256-MTABWIDENER*DXANDY@widener>
Organization: Datapoint Corporation, San Antonio, TX
Lines: 28
Posted: Wed Jul 11 22:49:00 1990
```

DXANDY%widener@PUCC.PRINCETON.EDU writes:

> Hi!
> There used to be an online callbook for US callsigns that was located at callbook@sat.datapoint.com, but recently I have not been able to get any response from it. Is it still up?

Andy, the server is still up and running! The log shows requests from you on 6/14, 7/3, and 7/11. No bounces on any of them. Btw, the first two requests came from dxandy%widener.bitnet@cornellc.cit.cornell.edu, and the last from dxandy%widener@pucc.princeton.edu.

If you or anyone else is having problem receiving replies from the server, you might try including a "path" command in the text of your message. For example:

```
     path user@domain
or
     path bang!path
```

as appropriate. The path should be either a domain address accessable from the internet, or a uucp bang path (relative from uunet is fine; my mailer knows at least how to get there).

The path shouldn't be necessary, of course, but it's there if needed. If you can't seem to get it to work at all, please drop me a note!

73/Lee, N5LYT
lcz@sat.datapoint.com

From -2002707595593996143
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,134fa4f32a5bd4ce
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 102b3b,bb5c510c54b380aa
X-Google-Attributes: gid102b3b,public
X-Google-ArrivalTime: 1990-07-11 19:04:07 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Ramblings on Low Pass Filters
Message-ID: <254@ultrix.uhasun.hartford.edu>
Date: 12 Jul 90 02:04:07 GMT
References: <7950@ncar.ucar.edu>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 11
Posted: Thu Jul 12 03:04:07 1990

In article <7950@ncar.ucar.edu>, elmore@virga.ucar.edu (kim elmore) writes:
>
>   Anyway, a few months ago someone wrote an article in QST about dissi-
> pative LP filters. I think it was Jon Bloom. Anyway, he pointed out that all

Nope, it wasn't me.

--
Jon Bloom, KE3Z | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu |
Snail: 225 Main St., Newington, CT 06111 | "I have no opinions."

From 2603196033249252O3
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e3b24375fc7f3d7e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 19:14:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: TS-140/440 computer interface.
Keywords: TS-140/TS-440
Message-ID: <42900@apple.Apple.COM>
Date: 12 Jul 90 02:14:02 GMT
Organization: Apple Computer Inc, Cupertino, CA
Lines: 19
Posted: Thu Jul 12 03:14:02 1990

In a previous posting, it is written:
>YES, you can pole the status of the radio. In the case of the Kenwood line
>of HF radios, TS-140/440/940 you send it the INFORM command thus...

Can you also czech it??

Patty

p.s. Sorry, I couldn't resist. Ever since this discussion of polling
the Kenwood started, I knew someone would set him/herself up with a
a misspelling....
--
```
*****************************************************************************
Patty Winter N6BIS                        INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                     UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From -3928778237095929146
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10e623,33680fd01be1744d,start
X-Google-Attributes: gid10e623,public
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 19:19:59 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Wayne, state of ham radio (Was Re: The Demise of HR Magazine...)
Message-ID: <255@ultrix.uhasun.hartford.edu>
Date: 12 Jul 90 02:19:59 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com>
<42871@apple.Apple.COM>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 43
Posted: Thu Jul 12 03:19:59 1990

In article <42871@apple.Apple.COM>, winter@Apple.COM (Patty Winter) writes:
>
> I agree with Phil Karn: Wayne [Green] has some good ideas, but they're lost
> in the noise. Besides, people who are against more things than they're
> for drive me up the wall.

And he's a bit shy of specifics, too. For example, in the latest diatribe
(I think it's the latest one) he rakes ARRL over the coals for not policing
ham radio. He fails to explain how an organization with no police or
governmental powers is supposed to do that. (Just imagine the howls from
Wayne if ARRL tried to acquire such powers. Come to think of it, I'd
howl too :-)

> >Just a bunch of rabblerousers, armchair lawyers and
> >frustrated police-wannabe's for the most part (rec.ham-radio is an interesting
> >microcosm of all this).
>
> I'm sorry that this has been your experience. Yes, there's too much
> of this kind of activity. But there are also lots of super nice people,
> including some who will travel anywhere anytime to help with emergency
> communication. I know because there are many of those people in my area.
> I strongly suspect that there are plenty of nice hams in your area, too.

I attended the Central Division convention in Indianapolis last week. At the banquet on Saturday night a number of awards were given out. Nothing unusual about that, right? But these awards were given to hams who had provided tornado tracking information (from the field, you understand, where the tornadoes were); who ran the net supplying, as the National Weather Service official at the banquet said, "the meteorologists dream: more data than we could even process"; and who organized the program with the help of RACES and the state emergency management folks. (The state emergency management director handed out some of the awards.) Of course, by the tenets of some people on this net, these folks are just old farts stuck in the past because they aren't experimenting with microwaves or computers. Feh!

(That last comment isn't intended to apply to Patty, BTW. Her posting just provided a convenient place to say this.)

```
--
Jon Bloom, KE3Z                              | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu         |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

From 3871872543200307732
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,54b0d29a302d0a78
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 19:23:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!mit-eddie!rutgers!bellcore!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Running a PC on 12V
Message-ID: <1990Jul12.022318.26754@bellcore-2.bellcore.com>
Date: 12 Jul 90 02:23:18 GMT
References: <FAUNT.90Jul9201312@dustbin.cisco.com> <11914@netcom.UUCP>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 42
Posted: Thu Jul 12 03:23:18 1990

In article <11914@netcom.UUCP>, mcmahan@netcom.UUCP (Dave Mc Mahan) writes:
|> For the power inverter, we found that the typical square
|> wave output seemed to work just fine for the PC.

On the subject of power inverters, anyone looking for one should be aware that the technology has progressed quite a bit in the past 5-10 years. The main advance has been the power MOSFET. Units with remarkably low "on" resistances are available, and their use in inverters greatly increases efficiency. For example, my Heart Interface 600W model is rated at 95% efficiency at about 100 watts, and it stays in the 90's up almost to rated power. The older bipolar units are lucky to make 70-80%. And my unit draws only about 70mA when idling, so I don't even bother to turn it off when I'm not using it.

Another advance has been what's called the "modified sine wave" output. This is not actually a sine wave, but a square wave modified to have 50% duty cycle, i.e., 0V, +160V, 0V, -160V, etc. This waveform is nice because it simultaneously matches the peak and RMS values of AC power, so it can be used with peak-responding loads (like power supplies) along with RMS-responding loads like lamps. Older square wave units will either burn out light bulbs if they are set to produce the necessary peak voltage for power supplies, or they will not produce enough raw DC voltage in a power supply if they are set for lamps. Another big advantage of the modified sine wave inverter is improved efficiency; the "off" period between each peak voltage swing avoids the current spike that occurs in square wave inverters when both transistors switch simultaneously.

So I would look around for one of the newer MOSFET/modified sine wave units, as I think they are worth the extra money. (Note that the common TRIPP-LITE units are mostly square-wave units.) Heart's main competition is Trace; their products and prices are comparable, although Heart seems to be going after the marine/RV market while Trace sells primarily to the alternative/off-grid energy market.

I use my inverter in a continuous online UPS for my home computers. A pair of surplus 80A 6V Lambda switching power supplies produces 12V for the inverter, and a deep cycle lead-acid battery floats on the 12V bus. The bus also provides power for all my radios.

Phil

From 3106316017018538441
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8768f52d8e33f8d4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 19:28:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!DGAESO51.BITNET!JARVIS
From: JARVIS@DGAESO51.BITNET
Newsgroups: rec.ham-radio
Subject: Can you help me?

Message-ID: <9007120228.AA24708@ucsd.edu>
Date: 12 Jul 90 02:28:19 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 22
Posted: Thu Jul 12 03:28:19 1990
X-Unparsable-Date: 12 JUL 90 04:11-ECT

Date: 12-JUL-1990 04:11:40.58
From: JARVIS AT DGAESO51
To: EARN::"info-hams@wsmr-simtel20.army.mil"
Subj: Can you help me?
This is an appeal for help. I have been trying to deal with a computer
company in Canoga Park, CA 91303 called VALUE PLUS COMPUTERS.
Two months ago they took a $3000.00
order from me on my credit card and I have not seen the goods.
Furthermore I cannot get any sort of shipping information from them.
They were to be shipped to Miami.
I have made countless international phone calls to no avail.
I am now cancelling my order naturally, but I would like to have the
address of their local BETTER BUSINESS BUREAU.

Would some kind sole who knows this earea and can e-mail me the address
please help. The reason I cannot do this myself is that I am trying to do all
this from Chile.

Brian Jarvis   JARVIS@DGAESO51.BITNET
VK7XD/CE2

From 6190201360691831910
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,da06f56b6d687fc5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 20:35:29 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!rsiatl!jgd
From: jgd@rsiatl.UUCP (John G. DeArmond)
Newsgroups: rec.ham-radio
Subject: Wayne Green and 73 magazine.
Message-ID: <3143@rsiatl.UUCP>
Date: 12 Jul 90 03:35:29 GMT
Organization: Radiation Systems, Inc. (a thinktank, motorcycle, car and gun works facility)
Lines: 46
Posted: Thu Jul 12 04:35:29 1990

karn@thumper..bellcore.com (Phil R. Karn) writes:

>But he squanders any credibility he might have gained when he mixes in
>his off-the-wall ramblings about Scientology or UFOs or whatever. Not to

>mention his continuing to carry the Maxcom antenna-matcher ads. Two
>Daytons ago I confronted him about these frauds. Believe it or not, he
>actually tried to tell me that he had no control over what his
>Editor-in-Chief printed in the magazine he (Wayne) published...

He is probably telling it pretty much straight. About 5 years ago, I interviewed with Wayne for the position of Editor in Chief of 73. You may remember when he advertised the position. The first thing that impressed me is how small 73 is. It and Digital Review share about 4000 sq ft of space. The next thing that impressed me was Wayne's absence. He writes his editorials at home and drops in for a few minutes once a week to drop off the copy. (Which is probably one reason the magazine is in such bad shape.)

The editor and publisher had almost complete autonomy. The continuation of this autonomy was a ground rule for my considering the interview. His editorial page was to be off-limits but the rest would be under my and the publisher's control. Unfortunately, the publisher at the time was Norm Strumburg (or something like that) and we had immediate bad chemistry. So I declined the offer. The prospect of a pay cut also entered into the picture.

Trying to deal with Wayne reminds me somewhat of the exercise of trying to nail jello to the wall. He's got a thousand thought processes going at once and none seem focused.   Some thoughts are whacky, others are pretty good.

One thing I don't understand is why the ham community does not make him put up or shut up. He hollers repeatedly about the dearth of technical expertise in ham radio. So why don't some of the technical writers submit technical - really technical - articles for publication. His page rate is as good as any so it would be worth your effort. He SAYS he wants to publish technical articles so why don't we call his bluff? Perhaps 73 is a resource the technical community could tap.

John

```
--
John De Armond, WD4OQC  | We can no more blame our loss of freedom on congress
Radiation Systems, Inc. | than we can prostitution on pimps.  Both simply
Atlanta, Ga             | provide broker services for their customers.
{emory,uunet}!rsiatl!jgd|  - Dr. W Williams |                **I am the NRA**
```

From -2668616909887566860
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1fe885019cd4bebc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 21:43:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
elroy.jpl.nasa.gov!jarthur!ucivax!ucla-cs!eel!cccph
From: cccph@eel.cs.ucla.edu (Charles Hobbs)
Newsgroups: rec.ham-radio

Subject: Re: Some CW procedure questions
Message-ID: <36903@shemp.CS.UCLA.EDU>
Date: 12 Jul 90 04:43:53 GMT
References: <22480003@hpcuha.HP.COM>
Sender: news@CS.UCLA.EDU
Reply-To: cccph@eel.cs.ucla.edu (Charles Hobbs)
Organization: UCLA Computer Club/UCLA ARC W6YRA
Lines: 85
Posted: Thu Jul 12 05:43:53 1990

In article <22480003@hpcuha.HP.COM> nicholso@hpcuha.HP.COM (Ron Nicholson) writes:
>Hi. I've got some questions that maybe the net hams could answer,
>at least those with experience in CW. I'm new to this hobby and have
>been learning about and making some CW contacts in the HF bands. I
>hear all kinds of CW procedures being used, and am wondering what
>procedures are the correct ones.
>
Everyone has their own style. Here's what *I* do....(your mileage
may differ! :-)!

>-   BT vs. periods for punctuation,
Actual periods ("didahdidahdidah") are preferred when transcribing
text (from a book, article, etc); BT is preferred in general
conversation.

>-   one or two BT's at a time,
Generally, only one BT is needed, although during
"breaks" in thought I'll send two or three BT's
(like saying "uh....uh....uh" during conversation?)

>-   R R R vs. FB,
No real difference, I'm used to R R myself, so I use it.

>-   R R R before or after the callsigns,
Again, I'm used to hearing "R R N6YMK DE W#XXX", so that's what
I usually do.

>-   559 vs 55N for the 2nd RST report,
"N" here is just a shorthand for "9". (By the way, with most of
the modern equipment out there, I have never sent/received/heard
an RST with anything but a "9" for 'tone quality'. Of course when
it comes to certain homebrew Soviet stations....)

>-   differing amounts of abbreviations,
Most people use the abbreviations they've heard before; the
list provided in the "ARRL Handbook" and other ham radio
books is a good source of abbbreviations.

>-   BK vs. BK TU vs. callsigns DE callsign KN,
This gets funny. I've heard "BK TU", "BK2U" (thought that was some
foreign call at first!) and all kinds of permutations of this. Whether
you use it or not is up to you.

However, I've always heard "W#XXX DE K#YYY KN" at the end of each transmission. This alone should be sufficient in indicating that it's your turn to transmit, making the "BK2U" business mentioned earlier redundant.

>-   when to use AR (I've only heard it used twice),
AR ("didahdidahdit") is normally used right after the end of your message, but before
the W#XXX DE K#YYY KN. It is the end-of-message marker, and I use it instead of the "BK TU" constructions mentioned earlier. (It has the advantage of being much shorter than BK TU, etc.)

In formal message handling, the procedural signal AS ("didahdididit") is used at the beginning of each transmission; however I have *never* heard it outside of W1AW bulletins and the like; it's not used in informal QSO's.

>-   leaving out one callsign and just send DE callsign,
Occasionally I've heard this; I've also heard stations sending the last three letters of the other station's callsign (e.g. MXR DE W6XUZ)....I know the FCC requires you to send your own callsign every 10 minutes; I'm not absolutely sure about the rules for sending the other station's callsign.

>-   just ending with BK and no callsigns,
Bad form. AT LEAST send your own callsign at the end of each transmission.

>-   SK before or after the closing callsign,
I think the form is "SK W6TTT DE N4WA"....but most hams know that SK means end of QSO anyway, so I don't think it's a real serious matter if you send "W6TTT DE N4WA SK".

>-   the dit dit at the end of contacts.
I know about this....after the two hams have just signed off, one of them will send "dit didit dit dit", and the other will then send "dit dit". I don't know how long this has been going on, but I see nothing wrong with it, just a harmless bit of fun.

```
-------------------------------------------------------------------------
Charles P. Hobbs, N6YMK @ K6VE....
Internet: cccph.eel.cs.ucla.edu      Plink: oar001      Genie: C.HOBBS
------------------------------------------------------------------------
```

```
From -8454072989488203857
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,abe11cd284f72b66
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-12 06:31:49 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpda!hpcuha!jimallen
From: jimallen@hpcuha.HP.COM (Jim Allen)
```

Newsgroups: rec.ham-radio
Subject: Re: Which Rig is Best??
Message-ID: <22480004@hpcuha.HP.COM>
Date: 12 Jul 90 13:31:49 GMT
References: <Iaap5-y00WBL41hV1H@andrew.cmu.edu>
Organization: Hewlett Packard, Cupertino
Lines: 7
Posted: Thu Jul 12 14:31:49 1990

I bought the Yaesu about a month ago.
I am very pleased with it so far. It
gets my vote!

Regards,

Jim Allen

From -1440970534721772191
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,54b0d29a302d0a78
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-12 06:48:04 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
cs.utexas.edu!rutgers!att!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: Running a PC on 12V
Message-ID: <1039@tsdiag.ccur.com>
Date: 12 Jul 90 13:48:04 GMT
References: <FAUNT.90Jul9201312@dustbin.cisco.com> <11914@netcom.UUCP>
Organization: Concurrent Computer Corp. Oceanport NJ
Lines: 27
Posted: Thu Jul 12 14:48:04 1990

In a previous article, faunt@dustbin.cisco.com (Doug Faunt N6TQS 415-688-8269)
writes:
>I would like to be able to run a standard PC/AT clone on 12V,
>efficiently. Where can I get information on buying or building a
>reasonably low cost power supply for this?
>thanx, and 73, doug

How about using straight voltage regulators in conjunction with those cheap
DC-DC voltage converters? Something like this:

```
+13.8V----------------[ +12V regulator ]------------------> to PC
           |
           |
           -----------[ +5V regulator  ]------------------> to PC
           |
           |
           -----------[ -12V converter ]------------------> to PC
           |
           |
           -----------[ -5V converter  ]-----------------> to PC
```

I'd think this would be a little more efficent than using an inverter feeding another power supply.

```
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

```
From 1273901384514553092
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,da95c474b07701c1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-12 09:24:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpda!hpcupt1!hprnd!billt
From: billt@hprnd.HP.COM (Bill Thomas)
Newsgroups: rec.ham-radio
Subject: TH-76 comming soon?
Message-ID: <1140036@hprnd.HP.COM>
Date: 12 Jul 90 16:24:57 GMT
Organization: HP Roseville Networks Division
Lines: 10
Posted: Thu Jul 12 17:24:57 1990
```

Does any know if Kenwood is going to come out with a small dual bander, such as a TH-76, which would compete with the Yaseu 411 and Icom 24sAT?

I am looking for a 5W dual bander with cross band repeat capability and a receiver that can recieve the weather broadcasts at 162.5 MHz.

The reason for Kenwood is our family has four hams, 3 TH-25ATs, and one IC-02AT. When our youngest gets his license, I would like to get a dual bander and give him one of the 25ATs. Therefore, Whatever I get should be able to use all the TH-25AT accessories such as the rapid charger.

```
From 6051467829769635189
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b3cad49544a6731d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-12 09:55:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: What is Phase Noise?
Message-ID: <1250194@hpnmdla.HP.COM>
Date: 12 Jul 90 16:55:58 GMT
References: <11822@netcom.UUCP>
```

Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 35
Posted: Thu Jul 12 17:55:58 1990

I don't know if this is more detail than you want but the term phase noise can get used to describe a whole class of random sources.

If v(t) = V cos[2 Pi F t + Delta(t)] represents a signal with linearly growing phase component 2 Pi F t and a randomly fluctuating term Delta(t) its possible to talk about either phase fluctuations or freuency fluctuation and be talking about the same signal. We are dealing with angular modulation.

Usually short and long term stabilities are separated. Long term gets called drift or aging while short term variations get called phase noise. Where you separate short/long term depends on your interest.

The way these effects appear in frequency domain, that is the slope of their spectral density, result in some special names:

Name of noise	Slope
Random walk	F **-4
Flicker FM	F **-3
Random Walk Phase (White FM)	F **-2
Flicker Phase	F **-1
White Noise	F ** 0

For angular modulation only, the spectral display is symmetric about the carrier (If it's not, then there is some amplitude component present too). I think I got all this right, someone can correct me if I didn't.

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From -4290239953565905658
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a2a2ae7c45f8daf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-12 10:07:45 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: Re: 440 MHz filtering
Message-ID: <1250195@hpnmdla.HP.COM>
Date: 12 Jul 90 17:07:45 GMT

References: <1990Jul10.155835.7459@wam.umd.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 23
Posted: Thu Jul 12 18:07:45 1990

I have had good success using Cu water pipe coaxial resonators at 400 MHz. 5/8" pipe for the inner conductor and 2" or so(whatever the common diameter available at plumbing supplies is) for the outer with a piece of 1/16" flashing at the bottom makes a good high Q line. RF connectors mounted on opposite sides of the outer conductor about 1" from the bottom with loops on them are fine for coupling. You will have to play with coupling loop sizes and positions to get an optimum compromise of insertion loss and operating Q.

I used the one I made (15 years ago I think) as part of an EME system to keep strong out of band signals from intermoding my receiver and raising the noise floor. As I remeber I got around .25 dB insertion loss and a perhaps 10 MHz of 3 dB bandwidth.

I think I still have it in the junk box at home if you need more details.

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From 2305801508077613959
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b260e4ab84dd4d4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-12 12:01:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: How to deal with TVI
Message-ID: <1250196@hpnmdla.HP.COM>
Date: 12 Jul 90 19:01:35 GMT
References: <1990Jun28.172135.11814@lopez.UUCP>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 55
Posted: Thu Jul 12 20:01:35 1990

>All of the above is true, including the part quoted from my earlier
>posting. The apparant difference between our views is that your
>explanation is correct in theory and mine is true in practice. The
>difference between theory and practice is due to the fact that
>practical flexible coax doesn't have perfect shielding, the skin

>effect depth is greater than the depth of the shield, the transmitter chassis is not a perfect Faraday cage, and misc other cables exit and enter the transmitter cabinet to interconnect other necessary operating equipment. All of this creates a SYSTEM that will radiate. I have fought these problems in practice for 25 years at broadcast plants and amateur installations over much of the Eastern US. Careful grounding has been the only practical answer to these problems.

...

>This is not voodoo electronics, this is the real world.

>Gary KE4ZV

I understand that theory and practice do not always coincide. "RF in the shack" can be caused by poor coax (typically a bad connection on the connector shield), poor shielding or other radiation from the transmitter AC leads, etc. In my experience, however, the problem is usually caused by common-mode currents on the outside of the coax shield caused by a problem in the antenna system such as unwanted coupling between antenna and coax (not run at right angles), a bad feedline connection, or inadequate decoupling of the coax shield at the antenna (the old "feeding a balanced antenna with unbalanced feedline" problem.)

Normally, feeding a half-wave dipole with coax (no balun) works reasonably well, because the quarter-wave half of the dipole connected to the shield presents a low impedance -- most of the return currents flow into the antenna instead of into the shield. However, if the length of the coax and other metallic conductors connected to it is such as to present a low impedance at the antenna (odd multiple of a quarter wavelength long), then substantial current will flow in the coax shield, possibly causing "RF in the shack", poor SWR and distortion of the radiation pattern. This problem can usually be corrected by connecting a balun between antenna & feedline.

If your microphone "bites" you whenever you transmit, then it seems to me you should correct the problem. Messing around with the grounds will often reduce or eliminate the symptom, but will not cure the disease -- the leakage or imbalance is still present, you have just changed the standing waves on your ground system to put a node at the operating position.

At legal amateur power levels, using properly shielded/filtered equipment, with good quality coax properly installed, you should not have an "RF grounding" problem. Properly grounding your station is important from a safety standpoint, but should not be necessary for proper operation of the equipment.

AL N1AL

From 7899559867634367870
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-12 12:18:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Re: Wayne and Byte...
Message-ID: <1250197@hpnmdla.HP.COM>
Date: 12 Jul 90 19:18:44 GMT
References: <25204@bellcore.bellcore.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 10
Posted: Thu Jul 12 20:18:44 1990

/ hpnmdla:rec.ham-radio / mo@messy.bellcore.com (Michael O'Dell) / 12:50 pm  Jul
11, 1990 /
Wayne Green didn't start Byte, he started a competitor to Byte
called Kilobaud.  It lasted about a year.  I still have a compete set.

Byte was started by Carl Helmers.  I heard of Byte through the grapevine
and sent him a letter subscribing to whatever he was doing.
His reply letter is bit of cherished youthful memorobelia.

     -Mike
----------



From -8732583901289991620
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-12 12:19:15 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Re: Wayne and Byte...
Message-ID: <1250198@hpnmdla.HP.COM>
Date: 12 Jul 90 19:19:15 GMT
References: <25204@bellcore.bellcore.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 12
Posted: Thu Jul 12 20:19:15 1990

/ hpnmdla:rec.ham-radio / alanb@hpnmdla.HP.COM (Alan Bloom) / 12:18 pm  Jul 12,
1990 /
/ hpnmdla:rec.ham-radio / mo@messy.bellcore.com (Michael O'Dell) / 12:50 pm  Jul
11, 1990 /
Wayne Green didn't start Byte, he started a competitor to Byte
called Kilobaud.  It lasted about a year.  I still have a compete set.

Byte was started by Carl Helmers.  I heard of Byte through the grapevine
```

and sent him a letter subscribing to whatever he was doing.
His reply letter is bit of cherished youthful memorobelia.

-Mike

From -4880026023284031567
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-12 12:21:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Re: Wayne and Byte...
Message-ID: <1250199@hpnmdla.HP.COM>
Date: 12 Jul 90 19:21:54 GMT
References: <25204@bellcore.bellcore.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 17
Posted: Thu Jul 12 20:21:54 1990

/ hpnmdla:rec.ham-radio / alanb@hpnmdla.HP.COM (Alan Bloom) / 12:18 pm Jul 12, 1990 /
/ hpnmdla:rec.ham-radio / mo@messy.bellcore.com (Michael O'Dell) / 12:50 pm Jul 11, 1990 /
>Wayne Green didn't start Byte, he started a competitor to Byte
>called Kilobaud. It lasted about a year. I still have a compete set.

>Byte was started by Carl Helmers. I heard of Byte through the grapevine
>and sent him a letter subscribing to whatever he was doing.
>His reply letter is bit of cherished youthful memorobelia.

My understanding is that Wayne DID start Byte way back when. To save on
income taxes, he put it in his wife's name. When they divorced, she ended
up with the magazine, so Wayne started a new magazine called "Kilobyte".
She sued him for trademark infringrment and won. So he changed the
name to "Kilobaud Microcomputing" which lasted for a few years. I think
it is now defunct.

Al N1AL

From -8265308542750965724
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-12 12:44:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!mailrus!cornell!uw-beaver!sumax!amc-gw!pilchuck!ssc!markz

From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: Wayne and Byte...
Message-ID: <892@ssc.UUCP>
Date: 12 Jul 90 19:44:02 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com>
<25204@bellcore.bellcore.com>
Organization: SSC, Inc., Seattle, WA
Lines: 24
Posted: Thu Jul 12 20:44:02 1990

In article <25204@bellcore.bellcore.com>, mo@messy.bellcore.com (Michael O'Dell) writes:

> Wayne Green didn't start Byte, he started a competitor to Byte
> called Kilobaud. It lasted about a year. I still have a compete set.
>
> Byte was started by Carl Helmers. I heard of Byte through the grapevine
> and sent him a letter subscribing to whatever he was doing.
> His reply letter is bit of cherished youthful memorobelia.
>
>   -Mike

Wayne Green was the first publisher of Byte. It was a spin off of the microcomputer articles in "73". He lost it through some strange maneuver with a ex-wife or a tax dodge or the like.

He then started "Kilobyte" but didn't get trademark registry of the name. Byte then started (Real Quick) a monthly cartoon called Killobyte (or Kil O'byte), and the magazine had to change its name to "Kilobaud".

"Kilobaud" went through a name shift to become "Microcomputing". (They got some strange letters from people describing the effort to get their librarians to get a magazine called "Kill a Bod".) It lasted for 5 or 6 years before being folded into "80 Micro".

Markz@ssc.uucp

From 5327043692017053510
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dce698b71fb7555b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-12 12:51:02 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!trub
From: perley@trub (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Antenna question
Message-ID: <9675@crdgw1.crd.ge.com>
Date: 12 Jul 90 13:29:30 GMT
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@trub.crd.ge.com (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 20

Posted: Thu Jul 12 14:29:30 1990

I was planning on making the delta-v antenna described in the recent antenna issue of Ham Radio (may 1990), and have a couple of questions.

Since this a high impedance (800 ohm) non-resonant antenna with a terminating resistor, is it safe to assume that the wire conductivity is less important than with a resonant antenna? I was hoping to use 14 guage steel fence wire (at ~1 cent/foot, plus I already have enough) rather than copper.

Second, what is the usual practice for enclosing the terminating resistor? Since it may have to dissipate up to 100 watts (not with my current rig), an airtight enclosure doesn't sound ideal. Per the article's suggestion, the termination will be 50 39 Kohm 2 watt resistors in parallel.

-don perley, ke2tp

perley@trub.crd.ge.com

From 6184857854567382198
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,da06f56b6d687fc5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-12 13:29:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!sol.ctr.columbia.edu!cica!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Wayne Green and 73 magazine.
Message-ID: <327.269CDE88@w8grt.fidonet.org>
Date: 12 Jul 90 20:29:18 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 21
Posted: Thu Jul 12 21:29:18 1990

> From: jgd@rsiatl.UUCP (John G. DeArmond)
> Date: 12 Jul 90 03:35:29 GMT
> Organization: Radiation Systems, Inc. (a thinktank, motorcycle, car and
> gun works facility) Message-ID: <3143@rsiatl.UUCP> Newsgroups: rec.ham-
> radio
>
> my and the publisher's control. Unfortunately, the publisher
> at the time was Norm Strumburg (or something like that) and we had

Norm Sternberg, W2JUP????? Smart man, short fuse. Wrote the AEA PK-232 tech manual.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: {ncar!asuvax!stjhmc!,iuvax!ndmath!nstar}!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ___________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From 5919979113103491695
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61b38504f909074a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-12 14:31:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Remotely Tuned HF Beam Antenna
Message-ID: <7880182@hpfcdc.HP.COM>
Date: 12 Jul 90 21:31:57 GMT
References: <882@ssc.UUCP>
Organization: HP Ft. Collins, Co.
Lines: 25
Posted: Thu Jul 12 22:31:57 1990

In addition to electrically altering the length of the elements with reactance, you could also physically alter the length with worm gears and sliding transmission-line-style traps(*). (I dunno the real name for the method, but I see them on the commercial tribanders by KLM, on my venerable Butternut HF6VX, et.al.). This approach could also apply to shifting boom length as well as element length.

Whatever you decide upon, I'm interested in hearing how you approach the problem. Now, who was that who said something about HF being a museum ?

one OF to another,

Perry Scott
KF0CA

(*) I think this thingy works by being a shorted 1/4 wave stub, which transforms to an open at the end of the 1/4 wave radiator. To switch bands, you change the length of the stub and its attachment to the driven element. I have some mechanical concerns about all this.

```
feed ===================+-----------------------+----/ arbitrary /---
                            |    length
              ------------------------+
     1/4 wave radiator      1/4 wave stub
```

From -5545296598836673815
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b3cad49544a6731d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-12 14:38:28 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: What is Phase Noise?
Message-ID: <7880183@hpfcdc.HP.COM>
Date: 12 Jul 90 21:38:28 GMT
References: <11822@netcom.UUCP>
Organization: HP Ft. Collins, Co.
Lines: 15
Posted: Thu Jul 12 22:38:28 1990

>>Doesn't this mean you need to sue a LO that is MUCH more stable than the
>>amount of phase noise you are trying to measure? Then again, I guess the
>>spectrum analyzer LO must also be very pure to make this kind of measurement.
>
>   Correct. This is why LO phase noise is an important spec for
>spectrum analyzers.

This begs the question: how do you measure the phase noise of the
LO in a state-of-the-art phase measurement device ?   :-)

Just curious.

Perry Scott
KF0CA

From -5368588524449531517
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,73cc2e8a918d886d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-12 15:07:13 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: 2 meter quad construction plans
Message-ID: <103634@philabs.Philips.Com>
Date: 12 Jul 90 22:07:13 GMT
Sender: news@philabs.Philips.Com
Lines: 75
Posted: Thu Jul 12 23:07:13 1990

copied from packet:

```
 Msg# TSF  Size #Rd  Date  Time From   MsgID        To
30164 BF   1246   2 08-Jul 0547 AA6MZ  3524_WA6PEZ  QUAD@NYNET ()
```

Sb: Easy 2 Meter Quad

2 Meter, 4 Element Quad Antenna

This describes method for manufacturing a 4 element quad antenna from easily obtainable materials. I have made this antenna and it works great with and SWR below 1.2:1 across the entire 2 meter band.

This project should take about 3 hours to finish.

Material List

1. 8 each 3/8" wood Dowel
2. 1 each 8 foot long, 1 inch dia. PVC Pipe, Heavy wall
3. 1 each 1 inch PVC TEE
4. 25 feet #14 or #16 gage solid insulated wire
5. 1 each PL-259 Socket

```
\-----/  \----/    \----/  \----/
|\   /|  |\  /|    |\  /|  |\  /|
| \ / |  | \/ |    | \/ |  | \/ |
|  ======|=======T=|=======|=== |
| / \ |  | /\ |  | | /\ |  | /\ |
|/   \|  |/  \|  | |/  \|  |/  \|
/-----\  /----\  | /----\  /----\
 REFL     D.E.   |  DIR1    DIR2
```

FROM CENTER OF REFLECTOR TO CENTER OF DRIVEN ELEMENT = 20.5 INCHES
FROM CENTER OF DRIVEN ELEMENT TO CENTER OF DIRECTOR 1 = 12 5/16 INCHES
FROM CENTER OF DIRECTOR 1 TO CENTER OF DIRECTOR 2 = 12 5/16 INCHES

CUT LENGTHS

ELEMENT	WIRE LENGTH	HOLE TO HOLE ON DOWEL *
REFLECTOR	86 1/8 INCH	30 1/8 INCH
DRIVEN EL.	81 15/16 INCH	28 5/16 INCH
DIRECTOR 1	77 15/16	27 1/4 INCH
DIRECTOR 2	74 INCH	25 7/8 INCH

* CUT DOWELS ABOUT 1 INCH LONGER THAN THESE LENGTHS.

```
           DRIVEN ELEMENT
            _________
            |       |
            |       |
            |       =  <- FEED HERE FOR
            |       |  VERTICAL POLARIZATION
            |___ ___|
               | |
```

FEED HERE FOR
HORIZONTAL POLARIZATION

After you have put your antenna together, solder the wires of each element (except the driven) end to end. Run the coax (RG58U is best) and secure with electricians tape. Solder the center of the coax onto one end of the driven element, and solder the shield onto the other end of the driven element. This project begs for creativity. See what you can do to improve this antenna (I made mine in small sections so I could put it into my trunk for portable operations). After you get it built, try it out on a T-hunt. A one sheet instruction sheet, with better information than I was able to pass on here, is available for an SASE to: Tom Shelton, AA6MZ 40672 178th Street East Lancaster, CA. 93535 Make sure you enclose a short note telling me what you want. Have fun with this antenna... 73 de Tom
AA6MZ @ WA6PEZ.CA

Pls write to him direct. WA2ISE
I haven't tried this, proceed at your own risk.

From 6902029408113613008
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-12 16:01:30 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!haven!decuac!shlump.nac.dec.com!ryn.esg.dec.com!ultnix!taber
From: taber@ultnix.enet.dec.com (Patrick Taber)
Newsgroups: rec.ham-radio
Subject: Re: Wayne and Byte...
Message-ID: <2196@ryn.esg.dec.com>
Date: 12 Jul 90 13:06:54 GMT
References: <25204@bellcore.bellcore.com> <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com> <42720@apple.Apple.COM> <1990Jul10.170828.12138@cbnewsh.att.com> <42871@apple.Apple.COM>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick Taber)
Organization: Murder Inc.
Lines: 33
Posted: Thu Jul 12 14:06:54 1990

>
> Wayne Green didn't start Byte, he started a competitor to Byte
> called Kilobaud. It lasted about a year. I still have a compete set.
>
> Byte was started by Carl Helmers. [...]

Au Contraire, Weird Wayne was the original publisher of BYTE and Helmers was the Editor.
Then they had a fight/custody battle which Helmers won. Wayne went off in a corner and

threatened to start a magazine called "KILOBYTE" which after some legal action turned into KILOBAUD. I susbscribed to KILOBYTE and received KILOBAUD for years -- it was to computer magazines as 73 is to ham radio magazines (i.e. a good mag if you don't read the publisher's column.)

I also subscribed to BYTE up until it became too uncomfortable to read it -- it would leave a divot on your chest if you tried to read it while lying on the couch. I still have the first 24 issues of BYTE -- I keep hoping they'll be worth something someday. It was a different world then.

>>>==>PStJTT
Patrick St. Joseph Teahan Taber

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This message may not be used by any law enforcement agency nor may it be used in any legal proceeding. That's the law.

From -2700948586442590622
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c764d947aee75002
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-12 16:30:59 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcupt1!hprnd!jblake
From: jblake@hprnd.HP.COM (John Blake)
Newsgroups: rec.ham-radio
Subject: Re: Renewing operators licenses
Message-ID: <1140037@hprnd.HP.COM>
Date: 12 Jul 90 23:30:59 GMT
References: <1990Jul5.200831.28596@tapa.uucp>
Organization: HP Roseville Networks Division
Lines: 23
Posted: Fri Jul 13 00:30:59 1990

larry@tapa.uucp (Larry Pajakowski) writes:
> Since I've been out of broadcasting for some time perhaps someone can be of
> help. My general radiotelephone license is in need of renewing. What are the
> current procedures for doing this. Since I once held a First Phone do I have
> to do anything to keep my transmitter prividges?
>
> Your help is appreciated.
>

Larry,

I received my general radiotelephone license in August 1988. It required an application to the regional FCC office and taking the 100-question-multiple-guess exam. Incidentally, my license has no expiration date on it. Are you sure yours needs to be renewed? I was told mine was good for life.

****
John Blake   Email: jblake@hprnd.hp.com

"The opinions expressed on this program are those of the participants and guests, and do not necessarily reflect those of this station, its management, or sponsors."
****

From -6183006000412628716
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56c7c522cf6641e3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,56c7c522cf6641e3,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-07-12 16:53:14 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!watserv1!watmath!att!tsdiag!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: MicroSat Satellite Status Report
Keywords: News From AMSAT
Message-ID: <317@ka2qhd.UUCP>
Date: 12 Jul 90 23:53:14 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 102
Xref: gmdzi rec.ham-radio:12897 sci.space:14253
Posted: Fri Jul 13 00:53:14 1990

NK6K Provides MICROSAT Bulletin Board System (BBS) Status Report

Harold Price (NK6K) this week has provided the AMSAT News Service (ANS) with a complete run down on the MICROSAT Bulletin Board System (BBS) software (S/W) development effort. Working in close collaboration with Harold is Jeff Ward (K8KA) at the University of Surry (UoS) on the UO-14 BBS S/W. The following is a brief synopsis of the current progress.

It was decided early on to use UO-14 as a testbed for all MICROSAT BBS development. NK6K points out that there are several advantages to this. First off, all S/W devloped for UO-14 is completely portable to the MICROSATs due to a device programmers call high-level Application Programming Interfaces (API). The APIs hide the differences between the different computer architecture of the MICROSATs and UO-14. The APIs perform the "nitty-gritty" tasks that are peculiar to the hardware of a particular computer system. For example, one of the most common task performed by all computer systems is Input/Ouput (I/O) operations. Thus, to the programmer it makes little difference if the BBS S/W he is writing is for the MICROSATs or for the Packet Communication Experiment (PCE) on UO-14, as long as he uses the APIs.

Another advantage for using UO-14 as a testbed is the 9600 baud uplink/downlink that it uses. NK6K says that he can load new S/W in two passes as compared to eight passes for the MICROSATs. The MICROSATs use the much slower but more common 1200 baud. Also, UO-14 has a completely separate computer system for the PCE operations. The UO-14 On-board Computer (OBC) which controls the satellite is unaffected by what happens with the secondary PCE computer. So if the the BBS S/W crashes, UO-14 will continue to operate normally. If the BBS S/W causes a crash of the OBC on a MICROSAT, a great deal of S/W needs to be reloaded. Although an OBC crash doesn't put a MICROSAT at great risk, it is inconvenient to the users. Except for DOVE, most S/W reloads of a MICROSAT OBC are not very difficult to accomplish.

Lets go down the list of MICROSATs and give the present status for each one:

AO-16

AO-16 is in good shape. RAM memory tests will be done this week in preparation for uploading the BBS S/W. According to NK6K, at the present time, the BBS S/W for AO-16 is targeted to be installed and operational by August. Until that time digipeating operation will be possible.

DO-17

DOVE is still transmitting on S-Band only. Full recovery has been delayed due to an unexplained anomaly in the S-Band transmitter. N4HY has to rely on the S-Band transmitter because the 2M transmitter blocks the 2M receiver on DOVE. This anomaly has required N4HY to use his considerable programming skills to write special Digital Signal Processing (DSP) S/W to work around this problem. Another problem plauging the DOVE recovery is that N4HY's hastily assembled S-band station is about 5 dB SNR lower than what is required for reliable reception. N4HY has, however, been able to use the high quality S-Band station of K0RZ in Boulder, Colorado via phone patch during mutually visible passes for software loading. N4HY has given the DOVE recovery top priority. At press time (Saturday July 7), DOVE had again crashed as evidenced by MBL transmissions from the S-Band beacon. Analysis was under way to determine whether the crash was due to a problem in one of the tricky software upload sessions or, less likely, another hardware problem. Two meter transmissions were not expected before Tuesday July 10.

WO-18

WO-18 is in good shape. The third version of the imaging S/W was uploaded last week. The Weber State University (WSU) engineers haved added more "tunning knobs" to the picture taking S/W in order to improve the contrast of the earth images. Addiditonal information has been added to the image header giving the solar array currents and horizon sensor values when the picture was snapped. These added items will provide more information about where the lens was pointed when the picture was taken. The impact detector, which was orginally designed to indicate when WO-18 was hit by micrometeorites, is being used to verify that the CCD camera iris shutter has clicked. When the shutter is snapped, the impact detector instantaneously sees the vibration that the shutter operations cause in the spacecraft structure.

Each day several images have been downloaded and those who have WeberWare 1.0 can turn the binary data into pictures on CRT screens. Finally, the 1.2 GHz Fast Scan TV receiver was tested and the horizontal sync was detected. A full image is expected to require more gain and/or much more accurate antenna pointing.

One good quality picture of earth features has finally been taken and will be transmitted every evening for the next several days so that WeberWare 1.0 users will be sure to have a chance to capture it. Other testing will continue during each day.

LO-19

LO-19 is in good shape. The RF power output of LO-19 is though to have been varying because of the simultaneous operation of the CW beacon. Once the RAM memory checking S/W has been finished and checked out on AO-16, the same RAM memory check will be performed on LO-19. Eventually the AMSAT-LU Group will take over all the S/W development for LO-19 after the BBS S/W is installed. At the present time all general housekeeping and monitoring tasks are performed by the AMSAT-LU team.

--
AMPR : KD2BD @ NN2Z (Neptune, NJ)
UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
       "For every problem, there is one solution which is simple,
       neat and wrong." -- H.L. Mencken

From -8965008648126686710
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b260e4ab84dd4d4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,1850ba2f994839d0
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-07-12 18:08:12 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!mips!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!execu!sequoia!attdso!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: How to deal with TVI
Summary: hot chassis, no ground?
Message-ID: <890@ssc.UUCP>
Date: 12 Jul 90 01:10:41 GMT
References: <1990Jun28.172135.11814@lopez.UUCP> <1250189@hpnmdla.HP.COM>
Organization: very little
Lines: 32
Posted: Thu Jul 12 02:10:41 1990

In article <1250189@hpnmdla.HP.COM>, alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>

> >How effective is a filter which includes a ground as part of the design,
> >if you leave it UNGROUNDED?
>
> ---------
>
> It works just fine. I guess a lot of people are confused about this, so
> I'll expand further.
>
> The transmitter generates RF voltage BETWEEN the center conductor of the
> output coax and the shield. Note that this voltage is NOT referred to
> earth ground. with
>
> If you have an external low-pass TVI filter, its internal circuitry is
> likewise referenced to CHASSIS ground (same as coax shield).
>

So you could leave the chassis ungrounded, and NOT experience the "hot
chassis" phenomena that you have when the ground lead is high impedance?

Everything seems to work a lot better in my station with it grounded!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -1508954381521039044
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5606acdf117c5316,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-12 18:37:36 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpda!hpcuha!nicholso
From: nicholso@hpcuha.HP.COM (Ron Nicholson)
Newsgroups: rec.ham-radio
Subject: alternate phonetic alphabets
Message-ID: <22480005@hpcuha.HP.COM>
Date: 13 Jul 90 01:37:36 GMT
Organization: Hewlett Packard, Cupertino
Lines: 23
Posted: Fri Jul 13 02:37:36 1990

When listening to DX stations I've been hearing a seemingly standard
phonetic alphabet, different from the published International Phonetic
Alphabet. The letters that I've seen used are:

A America

G Germany
I Italy
J Japan
K Kilowatt
M Mexico
N Norway
R Radio
U United
W Washinton
Y Yokohama

Is this a defacto international standard? What are the words for the
rest of the letters?
====
Ronald H. Nicholson, Jr.   Hewlett Packard
uucp: nicholso@hpda.HP.COM   Cupertino, CA
(408) 447-6603   #include <canonical disclaimer>
KK6MP (formerly N6YWU)   private pilot ASEL 151 hours

From 2469029820503108232
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,702d24f3e304b825,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-12 18:47:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcuha!nicholso
From: nicholso@hpcuha.HP.COM (Ron Nicholson)
Newsgroups: rec.ham-radio
Subject: transmitting Farnsworth CW?
Message-ID: <22480006@hpcuha.HP.COM>
Date: 13 Jul 90 01:47:38 GMT
Organization: Hewlett Packard, Cupertino
Lines: 12
Posted: Fri Jul 13 02:47:38 1990

CW users: There are a bunch of new hams out here who have learned Morse code by listening to tapes and computer programs using the Farnsworth method. It sounds normal to me to hear code with 18-23 WPM characters spaced out to half that speed.

Can I transmit CW like that (Farnsworth), or do I need to relearn some real slow sounding characters to match my true send/receive speed?
====
Ronald H. Nicholson, Jr.   Hewlett Packard
uucp: nicholso@hpda.HP.COM   Cupertino, CA
(408) 447-6603   #include <canonical disclaimer>
KK6MP (formerly N6YWU)   private pilot ASEL 151 hours

From -6958306119284218099
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f4285b9aa5630ddb

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-12 19:16:07 PST
Path: gmdzi!unido!mcsun!uunet!cos!hqda-ai!media!csense!bote
From: bote@csense.uucp (John Boteler)
Newsgroups: rec.ham-radio
Subject: Re: Alligators and kerchunking
Message-ID: <1990Jul13.021607.550@csense.uucp>
Date: 13 Jul 90 02:16:07 GMT
References: <7500021@hpfcso.HP.COM>
Organization: Common Sense Computing, McLean, VA.
Lines: 13
Posted: Fri Jul 13 03:16:07 1990

From article <7500021@hpfcso.HP.COM>, by ron@hpfcso.HP.COM (Ron Miller):
> (old fart voice ON) I remember when you could ragchew on the Tyson's Corner
> 34/94 machine in N. Virginia.... (old fart voice OFF)
> Ron NW0U (formerly WB4UWH)

Should have said old fart memory on; it is 31/91 :) :)

They have chased most of the people off of there nowadays; most got
tired of the b.s. and it sits quiet most of the time now.

--
John Boteler   {uunet | ka3ovk}!media!csense!bote
NCN NudesLine: 703-241-BARE -- VOICE only, Touch-Tone (TM) accessible

---

From 6456300057664843103
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,da06f56b6d687fc5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-12 20:46:59 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!bellcore!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Wayne Green and 73 magazine.
Message-ID: <1990Jul12.182308.29325@bellcore-2.bellcore.com>
Date: 12 Jul 90 18:23:08 GMT
References: <3143@rsiatl.UUCP>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 29
Posted: Thu Jul 12 19:23:08 1990

KA9Q: Believe it or not, he
KA9Q: actually tried to tell me that he had no control over what his
KA9Q: Editor-in-Chief printed in the magazine he (Wayne) published...

WD4OQC: He is probably telling it pretty much straight.

I'd find this more likely if I hadn't talked about the Maxcom ads with the person who did get the Editor-in-Chief job (Brian Hastings, NS1B) only a few minutes before I talked to Wayne. Brian said that he didn't like them either, but that he couldn't override Wayne.

WD4OQC: So why don't some of the technical writers
WD4OQC: submit technical - really technical - articles for publication [to 73].

I have, and they've been published. 73 periodically runs special issues on packet radio with guest editors (first NK6K and then WB6RQN). In the first I ran a fairly detailed discussion of higher layer protocols, and in the second I reviewed the WA4DSY 56kb/s modem. In both cases, my articles appeared almost exactly as I wrote them.

I came close to refusing to deal with 73 the second time around because of their cynical attitude regarding the Maxcom ads, but I figured that it wouldn't accomplish much. I was happy to get the exposure in a mainstream amateur publication. I seriously doubt that they would have been published in QST in as timely a fashion, if at all, and I suspect that they would have been heavily edited.

Phil

From 2739496313960132162
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-12 21:38:49 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!hpdmd48!ritchie
From: ritchie@hpdmd48boi.hp.com (David Ritchie)
Newsgroups: rec.ham-radio
Subject: Re: Re: Wayne and Byte...
Message-ID: <530016@hpdmd48boi.hp.com>
Date: 13 Jul 90 04:38:49 GMT
References: <25204@bellcore.bellcore.com>
Organization: Hewlett Packard - Boise, ID
Lines: 7
Posted: Fri Jul 13 05:38:49 1990

Actually, Wayne started Byte, and his wife divorced him and was awarded it in the divorce settlement.

Dave Ritchie N4DJS

From 3038007659577387403
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-12 23:19:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!execu!sequoia!attdso!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Was Re: The Demise of HR Magazine and Comments on CQ
Summary: Wayne....
Message-ID: <894@ssc.UUCP>
Date: 13 Jul 90 06:19:05 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com> <1990Jul11.050358.23531@bellcore-2.bellcore.com>
Organization: very little
Lines: 62
Posted: Fri Jul 13 07:19:05 1990

In article <1990Jul11.050358.23531@bellcore-2.bellcore.com>, karn@thumper..bellcore.com (Phil R. Karn) writes:

> Wayne does drop a few pearls of wisdom now and then
>
> But he squanders any credibility he might have gained when he mixes in his off-the-wall ramblings about Scientology or UFOs or whatever.

I have been reading Wayne for YEARS, and he is entertaining...but pretty off the wall. I have a large collection of ham magazines going back to long before I was born, and once in awhile I pick up an old CQ back from the 1950s when he was editor, and before that, when he was editor of the RTTY column in CQ.

He always acts like he is at the forefront of developing technology, when in fact he is pretty vague about the details. In the 1950s (and in later retrospectives) he acted like he invented RTTY....same is true for ham FM in the 70s. He talks about how he was a real inovator in ham microwave communications, when in fact I think he rounded up a couple of techie friends and did a little mountaintopping. Of course, years later the truth gets stretched a bit.

The funny thing is that even if you read the early RTTY columns from the 50s, it reads JUST LIKE one of his editorials today! It is hard to tell the difference. Sometimes I think the guy takes methamphetamine before he types.

Back in the mid-60s he formed this alternative to the ARRL, and it took in a fair ammount of money in memberships. They were going to be a lobbying organization, and he had all kinds of ideas about things they were going to do. Funny thing....it kinda faded away, and Wayne found less and less to write about it. Where did the money go?

About 10 years ago he wrote a couple of editorials about how he was going to start a fund for sending ham gear to developing third world nations. Of course, this was going to lead to all kinds of great things....like small African nations developing their on self-sufficient electronics industry from all of the resulting electronic talent.

Wayne announced that from then on he was going to donate all of his fees from speaking engagements to this fund.... a most generous offer. Only thing is, I have never read about what happened to this fund or all of the speaking fees he has collected since then. Musta been a nice tax write off! There have been no details about his fund sending ham gear anywhere.

Lately he has been lambasting us for not using wideband digital voice instead of SSB on 20 meters. He has vague visions of some grand ISDN on 20, yet this guy isn't even active on packet! Try doing a query to the WP server for W2NSD.....he aint there!

Wayne is entertaining, and although his criticism of the league over the years has been unfair, they probably needed a kick in the butt. But it is hard to take this guy seriously!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 3022044603504015532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-12 23:45:12 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!execu!sequoia!attdso!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Wayne, state of ham radio (Was Re: The Demise of HR Magazine...)
Summary: Apple hams, Wayne, etc
Message-ID: <896@ssc.UUCP>
Date: 13 Jul 90 06:45:12 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com> <42871@apple.Apple.COM>
Organization: very little
Lines: 47
Posted: Fri Jul 13 07:45:12 1990

In article <42871@apple.Apple.COM>, winter@Apple.COM (Patty Winter) writes:
> In article <1990Jul10.170828.12138@cbnewsh.att.com> mrb1@cbnewsh.att.com (maurice.r.baker) writes:
> >In article <42720@apple.Apple.COM>, winter@Apple.COM (Patty Winter) writes:
> >> [someone else wrote]:
> >> >I haven't read the latest 73's, but Wayne always seemed to have

```
> >> >plenty of common sense in the past.
> >>
> >> When was this? I must have missed it....
> >
> >Well, he started BYTE magazine and advised hams to get started making
> >money in the upcoming (we're talking 1975 here) microcomputer revolution.
> >Apple Computer [your employer] seems to have done pretty well,
> >along those lines.
>
> Yes, Apple has done fine, but I don't think we can give Wayne Green
> credit for it. :-)

Does anyone recall reading one of Wayne's editorials from the 1970s
when he traveled around the country and visited many of the small
computer companies springing up?  His description of the early Apple
was quite interesting.  He drove up to a suburban home, went to the
front door, and met a woman who said "the boys are out in the garage."
In the garage he found Jobs and Wozniak, putting together Apple I
kits!  I think there were 3 people working there.

>
> I'm not aware of any hams in the early Apple staff. We had a veep a
> few years ago, but that was 'way after the period you're talking about.


Steve Wozniak mentioned awhile back that he got his ham license when he
was a teenager.  He went on to bigger and better things!

> And we didn't get John Sculley (ex-ham) until just few years ago. So


I didn't know Sculley was an ex-ham!  Was this when he was a teen?


Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP


From -8277677085189406151
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-12 23:51:29 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
cs.utexas.edu!execu!sequoia!attdso!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
```

Subject: Re: Wayne and Byte...
Summary: Wayne, BYTE
Message-ID: <897@ssc.UUCP>
Date: 13 Jul 90 06:51:29 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com>
<25204@bellcore.bellcore.com>
Organization: very little
Lines: 25
Posted: Fri Jul 13 07:51:29 1990

In article <25204@bellcore.bellcore.com>, mo@messy.bellcore.com (Michael O'Dell)
writes:
> Wayne Green didn't start Byte, he started a competitor to Byte
> called Kilobaud. It lasted about a year. I still have a compete set.

Yes, Wayne DID start Byte. He started Kilobaud after his wife and the
editor of Byte took off with the magazine. He had it in his wife's name
because of tax problems. He started Baud after Byte, but was sued by
the new Byte, so he changed it to KILObaud.

>
> Byte was started by Carl Helmers. I heard of Byte through the grapevine
> and sent him a letter subscribing to whatever he was doing.
> His reply letter is bit of cherished youthful memorobelia.
>

Carl was the editor that Wayne hired to run Byte.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 9104617945602798388
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8820cebbdd1f5d6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 04:07:33 PST
Path: gmdzi!unido!mcsun!uunet!motcid!reichert
From: reichert@motcid.UUCP (Charles H. Reicher)
Newsgroups: rec.ham-radio
Subject: TECHNICAL HAMS - Where are You?!
Keywords: KD9JQ 7-12-90
Message-ID: <4018@cocoa46.UUCP>
Date: 12 Jul 90 15:49:39 GMT
Distribution: rec.ham-radio
Organization: Motorola Inc., Cellular Infrastructure Div., Arlington Heights, IL
Lines: 24

Posted: Thu Jul 12 16:49:39 1990

I hope that K2EEK comments "Conversation with K2EEK, Editor CQ Magazine (Long)" doesn't really indicate that the "Homebrewer" or Innovative Ham is a thing of the past, but past experience has indicated we're a dieing breed!
The demise of HR and lack of good technical articles in QST, and yes QEX leaves me wondering if there's any method out there for exchanging technical ideas.

My impression of CQ and 73 Magazines is if thats what you want, buy it!   QST seems to exist for the Advertiser and not the Amateur interest.

Are there any Hams out there who still tinker, design, build there own? Are there any Hams out there who write there own design, utility programs?
Are there any Hams who still know what Ohm's Law is and why we use the term Hz instead of Cycles?

Sure "homebrewing" is only one facet of Ham Radio, but to ignore the one aspect that nutured this endeavor from the beginning is short of sacrilegious!

So, if there is anyone still out there, please drop me a line at the QTH, I still like talking shop!

73's Chuck Reichert KD9JQ
955 Concord Lane
Hoffman Estates, IL. 60195

Opinions are my own and in no way reflect those of Motorola Management!

From 101592155111165620
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fceea2ebc382d5b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 04:10:46 PST
Path: gmdzi!unido!mcsun!uunet!ncrlnk!ncrwic!encad!entec!kthompso
From: kthompso@entec.Wichita.NCR.COM (Ken Thompson)
Newsgroups: rec.ham-radio
Subject: Re: Motorola 77-satellite cellular plan
Message-ID: <586@entec.Wichita.NCR.COM>
Date: 12 Jul 90 14:23:23 GMT
References: <1990Jul10.223353.1551@mentor.com>
Reply-To: kthompso@entec.UUCP (Ken Thompson)
Organization: NCR Corporation, Wichita, KS
Lines: 11
Posted: Thu Jul 12 15:23:23 1990

Mike and others,
This global cellular system has been discussed at length lately in sci.electronics. It should still be there if you pick up subscription to that newsgroup.

--

Ken Thompson   N0ITL
NCR Corp. 3718 N. Rock Road
Wichita,Ks. 67226 (316)636-8783
Ken.Thompson@wichita.ncr.com

From -7878839782215577732
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 05:23:24 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!texbell!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Wayne, state of ham radio (Was Re: The Demise of HR Magazine...)
Message-ID: <CKC&X1+@splut.conmicro.com>
Date: 13 Jul 90 12:23:24 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com> <42871@apple.Apple.COM> <255@ultrix.uhasun.hartford.edu>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 18
Posted: Fri Jul 13 13:23:24 1990

In article <255@ultrix.uhasun.hartford.edu> jbloom@uhasun.hartford.edu (Jon Bloom) writes:

>[about hams who got awards for doing good public service:] Of course,
>by the tenets of some people on this net, these folks are just old farts
>stuck in the past because they aren't experimenting with microwaves or
>computers. Feh!

Why, they're probably even more interested in (gasp!) HF.

I agree with Jon: Feh!

Ham radio is no more a technical hobby than it is a public service hobby -
and no less, either.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
"It's a hardware bug!" "It's a      +---------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_
```

From 5415366057681646391
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2be15d00eb336f66,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 05:49:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!asuvax!ncar!husc6!bunny!dhp1

From: dhp1@GTE.COM (David Pascoe)
Newsgroups: rec.ham-radio
Subject: Re: Callsign Server
Summary: callsign server
Message-ID: <9451@bunny.GTE.COM>
Date: 13 Jul 90 12:49:00 GMT
References: <9007130402.AA20268@tecnet1.jcte.jcs.mil>
Organization: GTE Laboratories, Inc., Waltham, MA
Lines: 10
Posted: Fri Jul 13 13:49:00 1990

The callsign server is marvin.cs.buffalo.edu bsocket 2000 (IP address 128.205.32.4). It has a help facility....

```
--
Dave Pascoe KM3T/1       |  Internet: pascoe@edcd.gte.com
(617) 455-5704           |            dhp1@gte.com
                         |            km3t@jjmhome.m2c.org
                         |      UUCP: ....!gte.com!edcd.dnet!pascoe
```

From -4308134335820655897
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8820cebbdd1f5d6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 05:51:09 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!sdd.hp.com!
uakari.primate.wisc.edu!aplcen!haven!decuac!shlump.nac.dec.com!ryn.esg.dec.com!
ultnix!taber
From: taber@ultnix.enet.dec.com (Patrick Taber)
Newsgroups: rec.ham-radio
Subject: Re: TECHNICAL HAMS - Where are You?!
Keywords: KD9JQ 7-12-90
Message-ID: <2201@ryn.esg.dec.com>
Date: 13 Jul 90 12:51:09 GMT
References: <4018@cocoa46.UUCP>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick Taber)
Distribution: rec.ham-radio
Organization: Murder Inc.
Lines: 31
Posted: Fri Jul 13 13:51:09 1990

> Are there any Hams out there who still tinker, design, build there own? Are
> there any Hams out there who write there own design, utility programs?
> Are there any Hams who still know what Ohm's Law is and why we use the
term Hz
> instead of Cycles?

Are there hams out there who know the difference between "there" and "their"? Are there hams out there who also think that the reason we went from Cycles to Hertz was because we were afraid the common folk understood what Cycles meant?

If you find yourself bristling over the correction on grammar, now you know what hams who don't give a hoot about a soldering iron feel when they get upbraided by some self-inflated yutz who thinks anyone who doesn't like building equipment is dogmeat. There are many hobbies within this hobby -- each has a perfect right to exist and none have the moral high ground over the other.

And yes, I've been designing/building electronic stuff since the early 70's.

>>>==>PStJTT
Patrick St. Joseph Teahan Taber

Copyright (c) 1990 Patrick Taber all rights reserved.
This message may not be used by any law enforcement agency nor may it be used in any legal proceeding. That's the law.
NOTE TOI CORRESPONDANTS: NO, the above copyright is unenforceable. It's a joke -- get it? Don't take signature files seriously.

From 8764330277291957300
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1fe885019cd4bebc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 06:22:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!princeton!twg.com!obelix!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: Re: Some CW procedure questions
Message-ID: <7563@gollum.twg.com>
Date: 12 Jul 90 18:25:27 GMT
References: <9007050147.AA11447@ti.com>
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 38
Posted: Thu Jul 12 19:25:27 1990

In article <9007050147.AA11447@ti.com> rlwest@flopn2.csc.ti.com (Bob West, WA8YCD) responds to a request from Ron Nicholson for Some CW procedure questions:

```
>
>    <lot's of stuff I agree with>
>
>> - when to use AR (I've only heard it used twice),
>   QSOs? Maybe never. It is a formalism. It is used to mark specific END OF
>         TRANSMISSION in formal third party traffic and in Net operation.
>         When you're rag-chewing or contact chasing, it's probably not really
```

>   necessary.
>
>   <more stuff I agree with>
>
>> - the dit dit at the end of contacts.
>   Silliness... Shave-and-a-haircut, Two Bits. That's how it started, and
>   has sort of degraded to just the dit-dit.
>

As you can guess, there are two places I disagree with Bob! First, the AR does serve a purpose. It's just like EOB in good old bisynch. If you lose your place copying the other guy's transmission, you are likely to pick out the AR and know that what comes next is your callsign, "de", and then his callsign. Actually, I'm selfish on this point. I tend often to find a QSO in progress where the sending station sounds like he might be DX. Lots of times I go into automatic mode and do other things, like fill in QSL's. But I've got the brain programmed to scan the incoming stream for the AR, and then immediately take note of the two call signs.

The "dit dit" may have started out the way Bob described it, but it too serves a useful purpose. The final transmission from the other station may have had some info content besides the usual courtesy stuff. I send the "dit dit" to let him know I did copy it all and didn't just run off to grab another one while he was telling me how great the contact was, etc. I think it is superflous for the last station sending a real message to use it, but it is a courtesy statement from the receiving side.

Just another 2 cents worth.

AA6KX

From -3261393398926253106
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ecb79cf07c150082,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 06:54:15 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!HICKAM-EMH.AF.MIL!1843eie
From: 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE")
Newsgroups: rec.ham-radio
Subject: Fundamental Overload (was FCC TVI Complaint)
Message-ID: <9007131353.AA08667@uunet.uu.net>
Date: 13 Jul 90 13:54:15 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 34
Posted: Fri Jul 13 14:54:15 1990
X-Unparsable-Date: 11 Jul 90 09:50:00 GMT-10:00

INTEROFFICE MEMORANDUM

Date: 11-Jul-1990 09:48am HST
From: 1843EIG/EIE

1843EIE
Dept: 1843EIG/EIE
Tel No: 656-1158

TO: Remote Addressee (_INFO-HAMS%UCSD.EDU@UUNET.UU.NET)

Subject: Fundamental Overload (was FCC TVI Complaint)

John Broughton writes, in his tale of TVI tribulations....

(lots deleted)

> to time, duration and channel. I also sent her a drawing of a filter
> setup from a TVI talk given by a TVI expert at my club's hamfest the
> end of January. He claimed 90% of TVI is fundamental overload and
> the filter configuration he suggested worked in almost all cases.

(lots more deleted)

At the extreme risk of showing my ignorance, I'm a bit curious as to what filter configuration helps cut down fundamental overload. I always thought fixing that required relocation of the rig, the TV, the antennas, or some combination thereof.

73,

Jeff Miller WD6CQV/KH6 AFA8JM

From 6674493167799000603
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,54b0d29a302d0a78
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 08:04:54 PST
Path: gmdzi!unido!mcsun!hp4nl!nikhefk!henkp
From: henkp@nikhefk.UUCP (Henk Peek)
Newsgroups: rec.ham-radio
Subject: Re: Running a PC on 12V
Message-ID: <760@nikhefk.UUCP>
Date: 13 Jul 90 15:04:54 GMT
References: <FAUNT.90Jul9201312@dustbin.cisco.com> <11914@netcom.UUCP> <1039@tsdiag.ccur.com>
Sender: henkp@nikhefk.uucp (Henk Peek)
Reply-To: henkp@nikhefk.UUCP (Henk Peek)
Organization: Nikhef-K, Amsterdam (the Netherlands).
Lines: 31
Posted: Fri Jul 13 16:04:54 1990

In article <1039@tsdiag.ccur.com> davet@tsdiag.ccur.com (Dave Tiller N2KAU) writes:
-In a previous article, faunt@dustbin.cisco.com (Doug Faunt N6TQS 415-688-8269)

```
writes:
->I would like to be able to run a standard PC/AT clone on 12V,
->efficiently.  Where can I get information on buying or building a
->reasonably low cost power supply for this?
->thanx, and 73, doug
-
-How about using straight voltage regulators in conjunction with those cheap
-DC-DC voltage converters?  Something like this:
-
-+13.8V----------------[ +12V regulator ]------------------> to PC
-           |
-           |
-           -----------[ +5V regulator  ]------------------> to PC
-           |
-           |
-           -----------[ -12V converter ]------------------> to PC
-           |
-           |
-           -----------[ -5V converter  ]------------------> to PC
-
-I'd think this would be a little more efficent than using an inverter feeding
-another power supply.
```

To make it much more efficient, use a down converter for the +5V.
The load for the negative voltages is low. You could generate a unregulated
negatieve voltage from the +5V converter and use 3 wire regulators for
the -12V and -5V.
Use a low drop PNP pass transistor in the +12V regulator.

Henk Peek, PA0HZP   henkp@nikhef.nl

From 8933452990062832974
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6c80c3539ca0cb02,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 08:33:36 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!swrinde!emory!
ducvax.auburn.edu!mhall
From: mhall@ducvax.auburn.edu (HALL_MARK)
Newsgroups: rec.ham-radio
Subject: MODS database Address (Request)
Keywords: Modification Database
Message-ID: <5976@emory.mathcs.emory.edu>
Date: 12 Jul 90 18:57:39 GMT
Sender: news@mathcs.emory.edu
Reply-To: mhall@ducvax.auburn.edu
Organization: Auburn University
Lines: 2
Posted: Thu Jul 12 19:57:39 1990
News-Software: VAX/VMS VNEWS 1.3-4

Would someone please post/e-mail directly the address for the modifications

```
database?  Any assistance will be much appreciated.  Thanks!


From -3602305227849358443
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7e17959fb96c0e7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 08:45:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!usc!gate.oxy.edu!oxy!
d.reeves
From: d.reeves@oxy.edu (Bryan Douglas Reeves)
Newsgroups: rec.ham-radio
Subject: Alinco 2m Amp.
Message-ID: <102845@tiger.oxy.edu>
Date: 12 Jul 90 19:58:17 GMT
Organization: Occidental College, Los Angeles, CA  90041
Lines: 13
Posted: Thu Jul 12 20:58:17 1990

About the 10V connection on the Alinco 2m amp:
I have used it for a while on my Kenwood 25AT, and I have found that it
works fine.  Also, the polarity is a problem.  Fourtiantely for me,
I checked tyhe polarity before making up a cable.  Even so, the DC-1
adapter required for the 25AT series radios has diodes to insure that
you don't smoke your radio.

73s, de N6XHW

------------------------------------------------------------------------
B. Douglas Reeves (N6XHW)      D. Reeves@oxy.edu  (Internet, of course!)
(213)-341-4763     (ma Bell)  1600 Campus Rd., La, Ca, 90041 (USnail)
"Cogito, ergo es."       Occidental College Society of the Clueless


From -8332942691683257834
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3b1b1c05058492eb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 09:24:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!
ucbvax!MATHOM.CISCO.COM!MURDOCK
From: MURDOCK@MATHOM.CISCO.COM (Jim Murdock)
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V1 #72
Message-ID: <12605172267.25.MURDOCK@mathom.cisco.com>
Date: 12 Jul 90 21:59:18 GMT
References: <9007092300.AA25622@ucsd.edu>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 2
Posted: Thu Jul 12 22:59:18 1990
```

From 1888127432231531087
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8820cebbdd1f5d6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 10:09:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!ucsd!swrinde!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcuhc!hpspcoi!mlau
From: mlau@hpspcoi.HP.COM (Mel Lau)
Newsgroups: rec.ham-radio
Subject: Re: TECHNICAL HAMS - Where are You?!
Message-ID: <860004@hpspcoi.HP.COM>
Date: 13 Jul 90 17:09:01 GMT
References: <4018@cocoa46.UUCP>
Organization: HP PCG, Sunnyvale CA
Lines: 7
Posted: Fri Jul 13 18:09:01 1990

All the old Hams here gave up on Radio and became Hamputers and tinker with computers. I have met at least 3 retired ham junkies that have more interest in computers than radio. Can't say I blame them there are more free channels in computers that there are in radio.

mlau@hpscpoi

From -3749207349346046104
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,702d24f3e304b825
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 10:36:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!aplcen!haven!decuac!shlump.nac.dec.com!ryn.esg.dec.com!ultnix!taber
From: taber@ultnix.enet.dec.com (Patrick Taber)
Newsgroups: rec.ham-radio
Subject: Re: transmitting Farnsworth CW?
Message-ID: <2202@ryn.esg.dec.com>
Date: 13 Jul 90 17:36:21 GMT
References: <22480006@hpcuha.HP.COM>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick Taber)
Organization: Murder Inc.
Lines: 17
Posted: Fri Jul 13 18:36:21 1990

>
> Can I transmit CW like that (Farnsworth), or do I need to relearn some
> real slow sounding characters to match my true send/receive speed?

>

You're a licensed ham now, you can do whatever you like. If the guy on the other end understands you, fine. If not, slow down a bit. If you listen to what's being sent on the air, you'll note there's a wide range of styles that fall into the acceptable category.

>>>==>PStJTT
Patrick St. Joseph Teahan Taber

My employer doesn't care what I think. I, in turn, don't care what you think. You probably don't care what my empolyer thinks. Thus is life a circle.

From 649184590183185348
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f41c0aa2c88dc3f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 10:37:06 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!PUCC.PRINCETON.EDU!RAVI%UMUC
From: RAVI%UMUC@PUCC.PRINCETON.EDU (Ravi Sinnarajah)
Newsgroups: rec.ham-radio
Subject: Request For Info. on HAM!
Message-ID: <9007131854.AA09838@ucsd.edu>
Date: 13 Jul 90 17:37:06 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The University of Maryland/University College
Lines: 23
Posted: Fri Jul 13 18:37:06 1990

Greetings!

I am posting this request on behalf of a friend who is an office holder within a non-profit organization in the Washington D.C area. Since he doesn't have access to Internet, I was cajoled into posting this.

He wants to know, what it takes to setup a ham radio facility and any info. or pointers on this matter (even better, any info./docs that have a 'sort of' cookbook approach) will be much appreciated.

Since, I'm not subscribed to this forum, please send the info. via e-mail directly to me and if sufficient interest warrants, then I shall go ahead and post the summary to this group.

ADmany_thanksVANCE for any info. and/or help you may provide in this regard.

W/ kindest regards,

/Ravi.
[e-Mail Internet: Ravi@Umuc.Umd.Edu]

From -7434682665961958895
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-13 11:00:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!rutgers!bellcore!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Was Re: The Demise of HR Magazine and Comments on CQ
Message-ID: <1990Jul13.180034.2980@bellcore-2.bellcore.com>
Date: 13 Jul 90 18:00:34 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com>
<1990Jul11.050358.23531@bellcore-2.bellcore.com> <894@ssc.UUCP>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 19
Posted: Fri Jul 13 19:00:34 1990

In article <894@ssc.UUCP>, tad@ssc.UUCP (Tad Cook) writes:
|> He always acts like he is at the forefront of developing technology, when
|> in fact he is pretty vague about the details.

Yes. My very first encounter with Wayne was on a flight from Boston to Dayton way back in 1981 or so. He noticed my AMSAT name badge and he made some comment about how terrible it was that the FCC killed amateur satellites by taking all our frequencies away. Rather than challenge his basic assertion (since the amateur satellite service was and still is very much alive) I humored him by saying something like "Yeah, the FCC never did let us turn on the 2304 MHz beacon on Oscar 7."

Wayne then tried to tell me that the AO-7 beacon was on 1296. I knew better and politely tried to tell him so, but he insisted that he was right. I dropped the subject, but our brief conversation did illuminate certain facets of his personality to me.

Phil

From -5634570023445569749
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,52b72d4bb0d7fb7e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 08:57:28 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Swindon U.K.")
Newsgroups: rec.ham-radio

Subject: Starting an engine with Nicads?
Message-ID: <06.Jul.90.11:48:16.BST.#9852@UK.AC.NWL.IA>
Date: 6 Jul 90 10:46:10 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 23
Posted: Fri Jul 6 11:46:10 1990

There is a company here in the UK that sell a device called a 'Powerbank' which is a hand-held unit containing (i believe) a set of high current 12volt Nicads and a recharger. The thing is lunchbox-sized, and claims to be able to jumpstart automobiles. It is sold as being ideal for campers/yachtsmen etc. for a portable power supply. It would also make a fine power supply for portable radios. Cost here in the UK is something around one hundred pounds sterling (make that about 180 US dollars).

```
   Pete Lucas         PJML@UK.AC.NERC-WALLINGFORD.IBMA       0793411613

Please use the following addresses for reply:          +     "/Natural
                                                       +    "/"Environment
JANET    : PJML@UK.AC.NERC-WALLINGFORD.IBMA            +   "/"/Research
Internet : PJML%IA.NWL.AC.UK@NSFNET-RELAY.AC.UK        +  "/"/"Council
EARN     : PJML%UK.AC.NWL.IA@UKACRL                    +  NERC Computer Services
AX25     : G6WBJ@GB7SDN.GBR.EU  "144.650MHz"           +   Holbrook House
SPAN     : STAR::"PJML%IA.NWL.AC.UK@NSFNET-RELAY.AC.UK +    Station Road
PHONE    : +44 (0)793411613                            +     SWINDON SN1 1DE
FAX      : +44 (0)793411503                            +      GREAT BRITAIN
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
+                       'The One-Nighters'   86.437.5                         +
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
```

From 9141067425410164286
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31a77bf2d31630b2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 08:58:53 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!ucivax!orion.oac.uci.edu!usc!
zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!mailrus!ames!ads.com!sparkyfs!
hercules!fernwood!portal!cup.portal.com!Justin_Randall_Padawer
From: Justin_Randall_Padawer@cup.portal.com
Newsgroups: rec.ham-radio
Subject: Re: Conversation with K2EEK, Editor CQ Magazine (Long)
Message-ID: <31476@cup.portal.com>
Date: 6 Jul 90 04:56:10 GMT
References: <1990Jul4.041831.24933@kodak.kodak.com>
  <24981@bellcore.bellcore.com>
Organization: The Portal System (TM)
Lines: 4
Posted: Fri Jul 6 05:56:10 1990

WA4VZQ de WA4FJF

Good job, Barry, on a very interesting and enlightening article.
This was of great interest even to those of us who aren't tech-types.
-- Randy Padawer, Knoxville, TN

```
From 8387581290347278616
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 09:03:59 PST
Path: gmdzi!unido!mcsun!uunet!salt.acc.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <15120@ucsd.Edu>
Date: 6 Jul 90 14:49:04 GMT
References: <181503@<1990Jun23> <30500588@ux1.cso.uiuc.edu>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 36
Posted: Fri Jul  6 15:49:04 1990
```

Many receiver voting systems exist; most work upon the principle of encoding the received signal strength (or s/n ratio) at the receiver site and carrying that under the signal on the link to the voting site.

Some use various PL tones and divide the signal strength into two or three levels - strong, moderate, weak - and send an appropriate tone.

Others use a series of audio tones around 2500 Hz or so, and notch them out of the system at the voter.

Still others transmit the strength separately on another channel - most commonly done when there are several clusters connected by microwave, like the City of San Diego does.

This isn't that hard for a ham to build. I can do the PL flavour with just two chips at the receiver: A set of simple comparators (like the 4-in-a-can LM339) watch the signal strength, each set to a laddered level, and go to a priority encoder (like an LS148), with the output from the encoder driving the bottom bits of a simple PL encoder like the SS-32. Voila, you are now encoding the signal strength on the link.

At the voter site, you need a bunch of PL decoders (n per receiver), and you have a uP that samples all of them and decides which to select for feeding the transmitter. The nice thing about the uP is that the circuitry for it will be simpler than doing it with discrete logic, and you can do such things as add hysteresis to avoid chattering between receiver sites.

Disadvantages: it's an A-1 prime pain in the ass to get the audio to sound good and consistent across all those links; and the PL decoders are slow to respond so that the voting system won't act like a diversity setup - it's incapable of following mobile chop, for example.

The person who makes and sells these for the ham market gets to deal with any patent issues.

- Brian

From 4928632396220160743
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,558ab8c3de92e96b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 09:20:46 PST
Path: gmdzi!unido!mcsun!uunet!nems!ark1!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!wellfleet.com!dtheriau
From: dtheriau@wellfleet.com (Doug Theriault)
Newsgroups: rec.ham-radio
Subject: Congrats to N4HY
Message-ID: <9007061231.AA16662@dt.Wellfleet.Com>
Date: 6 Jul 90 12:31:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Fri Jul 6 13:31:50 1990

Having just received a copy of the N4HY QuickTrak software for tracking satellites I must send my congrats to Bob and the others responsible for its creation.   Tracking the "Birds" as they call them is really fun with this program. Now if only the XYL will let me buy a better VHF/UHF XCVR and El/Az antennas... :-)

Congrats on the Technical Excellence Award as well !!

```
===============================================================
[ Doug Theriault    <dtheriau@wellfleet.com>         ARS: NO1D]
[ internet:           no1d@wellfleet.com                      ]
===============================================================
```

From -434269160695918980
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,486f814fdbc020fe
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 10:04:40 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!ceres.physics.uiowa.edu!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!husc6!genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: Re: FM in VHF Contests
Message-ID: <37819@genrad.UUCP>
Date: 6 Jul 90 11:53:29 GMT
References: <9006291408.AA19647@ucsd.edu> <38479@cci632.UUCP> <9405@bunny.GTE.COM>
Sender: news@genrad.UUCP
Reply-To: dls@genrad.UUCP (Diana L. Syriac)
Organization: GenRad, Inc., Concord, Mass.

```
Lines: 21
Posted: Fri Jul  6 12:53:29 1990

In article <9405@bunny.GTE.COM> dhp1@bunny.gte.com.UUCP (David Pascoe) writes:
>In article <38479@cci632.UUCP> cb@cci632.UUCP (Just another hired gun (n2hkd))
writes:
>Some of the highest 2m FM totals I have seen have been from operations near
>Boston (Mt. Wachusett, with the K1TR group) and one between Philadelphia and
                                 ^^^^

Boy, it's a good thing that most of the hams from the local radio club aren't
on Usenet, cuz you're dead wrong.

I was on Mt. Wachusett this year with the radio club and I can assure you
we are NOT K1TR, we are MARA (Montachusett Amateur Radio Association) with
a call of W1GZ and N1GYZ for Novices.  The MARA has been up on Mt. Wachusett
          ^^^^     ^^^^^
on field day for MANY years......



Diana
->Diana L. Syriac   CAP: SM, Freedom 690 Mobile    Ham: KC1SP(1 super pilot)<-
->USmail:   GenRad Inc., Mail Stop 6, 300 Baker Ave, Concord, Mass.  01742  <-
->usenet:   {decvax,mit-eddie}!genrad!dls      or dls@genrad.com
         <-
->tel:       (508) 369-4400 x2459    I'D RATHER BE FLYING!!!
             <-



From -7357404734817185333
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,486f814fdbc020fe
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 10:05:54 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!
ricks.enet.dec.com!reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: Re: FM in VHF Contests
Message-ID: <13144@shlump.nac.dec.com>
Date: 6 Jul 90 14:48:16 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 22
Posted: Fri Jul  6 15:48:16 1990


In article <37819@genrad.UUCP>, dls@genrad.com (Diana L. Syriac) writes...
>>[extracts about the K1TR group on Mt. Wachusett]
>
>Boy, it's a good thing that most of the hams from the local radio club aren't
>on Usenet, cuz you're dead wrong.
> [extracts about the W1GZ group on Mt. Wachusett]
```

Diana, they were referring to the ARRL June VHF QSO Party, which is two weekends before Field Day.

73 - jim, AD1C

=-=

"The opinions expressed here in no way represent the views of Digital
 Equipment Corporation."

James J. Reisert   Internet: reisert@ricks.enet.dec.com
Digital Equipment Corp.   UUCP: ...decwrl!ricks.enet!reisert
77 Reed Road
Hudson, MA 01749-2895

From -8357793585979881348
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1e5e0fe57fb42cc4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 10:12:19 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!rice!uw-beaver!ubc-cs!alberta!dvinci!weyr!shawn.switenky
From: shawn.switenky@weyr.FIDONET.ORG (shawn switenky)
Newsgroups: rec.ham-radio
Subject: Mufax D649L/AS
Message-ID: <721.26948196@weyr.FIDONET.ORG>
Date: 5 Jul 90 20:27:32 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 14
Posted: Thu Jul 5 21:27:32 1990

I recently picked up one of these fax machines, and I intend to use it to recieve WEFAX. Does anybody have anykind of documentation (operatations, maintainence or service manuals) that I could get ahold of?

Shawn Switenky

--
shawn switenky - via FidoNet node 1:140/22
UUCP: alberta!dvinci!weyr!shawn.switenky
Internet: shawn.switenky@weyr.FIDONET.ORG
Standard Disclaimers Apply...

From 6864478613917607298
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8862b5546b85e53a
X-Google-Attributes: gid10c9e3,public

```
X-Google-ArrivalTime: 1990-07-06 10:51:38 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-
state.edu!usc!cs.utexas.edu!rutgers!bellcore!bellcore-2!thumper!karn
From: karn@thumper..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Icom IC-2SAT enhancements, part 2
Message-ID: <1990Jul6.155721.7893@bellcore-2.bellcore.com>
Date: 6 Jul 90 15:57:21 GMT
References: <1990Jul5.184611.20707@ecn.purdue.edu>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 13
Posted: Fri Jul  6 16:57:21 1990

In article <1990Jul5.184611.20707@ecn.purdue.edu> cromwell@rvl4.ecn.purdue.edu
(Bob Cromwell) writes:
>Achtung: nur fu:r den Fachha:ndler zum Zwecke des Service bestimmt.
>     Es mu:ssen die Bestimmungen des Fernmelde-Anlagengesetz
>     heachtet werden.
My colleague Ernst Biersack gives this translation:

  This is meant to be used only by the dealer for maintenance purposes.
  You have to adhere to the regulations for using/operating communications
  equipment.

But then you expected something like that, right?

Phil
```

```
From -3430400465012307063
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,486f814fdbc020fe
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 12:06:18 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!snorkelwacker!husc6!bunny!dhp1
From: dhp1@GTE.COM (David Pascoe)
Newsgroups: rec.ham-radio
Subject: Re: FM in VHF Contests
Summary: Sorry Diana, you're slightly mistaken
Message-ID: <9410@bunny.GTE.COM>
Date: 6 Jul 90 14:53:33 GMT
References: <9006291408.AA19647@ucsd.edu> <38479@cci632.UUCP> <9405@bunny.GTE.COM>
<37819@genrad.UUCP>
Organization: GTE Laboratories, Inc., Waltham, MA
Lines: 35
Posted: Fri Jul  6 15:53:33 1990

In article <37819@genrad.UUCP>, dls@genrad.com (Diana L. Syriac) writes:
> In article <9405@bunny.GTE.COM> dhp1@bunny.gte.com.UUCP (David Pascoe) write
> >Some of the highest 2m FM totals I have seen have been from operations near
> >Boston (Mt. Wachusett, with the K1TR group) and one between Philadelphia and
```

>
> Boy, it's a good thing that most of the hams from the local radio club aren't
> on Usenet, cuz you're dead wrong.
>
> I was on Mt. Wachusett this year with the radio club and I can assure you
> we are NOT K1TR, we are MARA (Montachusett Amateur Radio Association) with
> a call of W1GZ and N1GYZ for Novices. The MARA has been up on Mt. Wachusett
>   ^^^^   ^^^^^
> on field day for MANY years......

Diana, you're certainly right about Field Day. However, I was talking about VHF Contests, not FIELD DAY. Besides, I don't consider Field Day a contest, it's more of a communications exercise, even though it's run like a contest. I long for the day when the Field Day exchange is changed to something a bit more meaningful to emergency communications, something that will require a bit of challenge to copy! And something that could be checked for accuracy. I sure wouldn't want some of the ops I work year to year in Field Day copying priority traffic, especially medical traffic. There are really lots of ops out there who don't seem to hear well, even when signals are strong. And even when things are said phonetically. But I digress.

Anyone who pays attention to VHF contesting surely recognizes K1TR as having operated from Mt. Wachusett since the early 1980's.

Sorry to burst your bubble, Diana. Just wanted to set the record straight.

--
Dave Pascoe KM3T/1 | Internet: pascoe@edcd.gte.com OR dhp1@gte.com
617-455-5704 | UUCP: ....!gte.com!edcd.dnet!pascoe

From -5910741722254482717
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d9a70304ee9b1816,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 12:06:27 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!zaphod.mps.ohio-state.edu!
tut.cis.ohio-state.edu!purdue!haven!uvaarpa!mcnc!rti!dg-rtp!aquila.rtp.dg.com!
harrism
From: harrism@aquila.rtp.dg.com
Newsgroups: rec.ham-radio
Subject: Book Review: Exploring Antennas and Transmission Lines....
Message-ID: <1990Jul6.133411.8767@dg-rtp.dg.com>
Date: 6 Jul 90 13:34:11 GMT
Sender: usenet@dg-rtp.dg.com (Usenet Administration)
Reply-To: harrism@dg-rtp.dg.com ()
Organization: Data General Corporation, Research Triangle Park, NC
Lines: 82
Posted: Fri Jul 6 14:34:11 1990

"Exploring Antennas and Transmission Lines by Personal Computer".

Author: John A. Kuecken; Publisher: Van Nostrand Reinhold.

I've only had this book about a week, but I really like it. It's approach is a bit more engineering oriented than theoretical. I don't have the Jassick classic so I can't compare them. The program sources in the book are mostly in APPLESOFT BASIC although porting them hasn't been a problem. In addition to the technical content, I really appreciate the book for showing how to put the abstract equations into practice on the pc and *see* the results.

About $45 from your local technical bookstore (I had to order it).

If you want to preview it, you should be able to find it at any University library. I found this copy at North Carolina State while researching Smith Charts.

Some tidbits from the cover and TOC:

"Rely on this step-by-step guide to turn your personal computer into a teaching tool for antenna arts."

"John A. Kuecken thoroughly explores antenna, transmission line, and propogation topics. He shows you how to use your computer as an instructional tool while giving you practical design programs. You will be able to use your computer to illustrate concepts that are usually difficult to visualize sucy as contra-rotating vectors in transmission line problems and circular polarizations."

"Exploring Antennas and Transmission Lines by Personal Computer privides detailed coverage of antenna couplers and land mobile antennas, an area not usually examined in most antenna reference books. I enables you to experiment with the Fast Fourier Transform to develop the phase and amplitude distributions required to form arbitrary shaped beams such as the cosecant-squared shape used for search RADAR."

"Antenn Basics are clearly explained including:

x. action of arrays of sources and unfilled arrays.
x. effects of aperture distributions
x. geometric collimators
x. tracking antennas
x. shaped beam antennas

"

"You will also gain valuable insight into the telegraphers equation, ... the steady-state A.C. Case... the Smith Chart...mutual impedance ...electrically small antennas...mobile and vehicular antennas... reflections in space and antennas above the earth."

"Equiped with *this book*, you will have invaluable assistance for mastering professional level antenna and transmission line work."

Table of Contents:

1. A brief History
2. Antenna math with a personal computer
3. Gain and Huygens Principle
4. Arrays of Sources
5. Aperture Distributions
6. Geometric Collimators
7. Off-axix Feeds and Phase Errors
8. Tracking Antennas
9. Shaped Beam Antennas
10. Unfilled Arrays
11. The Telegraphers Equation
12. The Steady-State AC Case
13. The Smith Chart
14. Elementary Radiators
15. Wire Antennas
16. Mutual Impedance
17. Electrically Small Antennas
18. Mobile and Vehicular Antennas
19. Reflections in Space and Antennas above Earth

Mike Harris - KM4UL   harrism@dg-rtp.dg.com
Data General Corporation   {world}!mcnc!rti!dg-rtp!harrism
Research Triangle Park, NC

From 3305651978546057847
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1fe885019cd4bebc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 12:06:59 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!zaphod.mps.ohio-state.edu!
sdd.hp.com!ucsd!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: RE: Some CW procedure questions
Message-ID: <9007060231.AA14137@ti.com>
Date: 6 Jul 90 02:18:45 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 30
Posted: Fri Jul 6 03:18:45 1990

> From: TILDE::"harrism@DG-RTP.DG.COM" "Mike Harris" 5-JUL-1990 19:08:48.69
> Subj: RE: Some CW procedure questions
>
> What are the required ones? ...

Required characters are A-Z, 0-9, PERIOD, COMMA, QUESTION MARK, SLANT BAR,

```
                                    <BT>, <AR> and <SK>.

  Note that in counting characters for "one-minute solid copy" that letters
  A-Z count 1 character each, and everything else, numbers, punctuation, and
  prosigns, all count 2 each.

>    ...                        Is this listed in the ARRL study guides? (along
> with required punctuation?)

Yes it is pretty much listed in any good code study guide, ARRL and otherwise.

It is in PART 97 which is included in the ARRL's "FCC Rule Book" and in the
"Tune in the World" and other code practice stuff. (Gordon West (no relation!
:-) , AMECO, Radio Shack, etc.)

 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                          !   "In order to accomplish the
 Bob West WA8YCD                 !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM        !    the absurd!"
                                 !       -- Miguel de Animo y Jugo
 P. O. Box  863069               !
 Plano Texas 75086               !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

```
From 48617078755474OO423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f1bd01535caaf9e3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 12:07:09 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!ucsd!
tut.cis.ohio-state.edu!ucbvax!TECNET1.JCTE.JCS.MIL!mgb
From: mgb@TECNET1.JCTE.JCS.MIL
Newsgroups: rec.ham-radio
Subject: ANS: Squelch Tails
Message-ID: <9007060347.AA04199@tecnet1.jcte.jcs.mil>
Date: 6 Jul 90 03:47:25 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 54
Posted: Fri Jul  6 04:47:25 1990
```

>> Let me point out one significant advantage to your approach: if one is
>> using remote bases to talk to repeaters (such as TM721 in cross-band
>> repeat mode), a very short tail is a good idea.

John Boteler {uunet | ka3ovk}!media!csense!bote writes:

>I have really gotten on the short hang time bandwagon lately after
>hearing the growing number of hams using the crossband features
>of their new radios. Just one hour ago I listened to a pseudo-QSO

>on a distant repeater which would have become a full-fledged QSO
>had the repeater dropped quickly; as it was, one station had to
>wait nearly five seconds for the repeater to drop, most times
>multiples of five seconds due to the periodic noise bursts from
>distant signals. This prolonged the time the remote base station had
>to wait to reply; you could hear the frustration in his voice!

>I sit back and smile a smile full of vindication now when
>I hear someone praise the simple operation of our repeater
>while using the cross-band feature of his radio.

>It really is more fun to be a smart ham than a flashy ham.

Well John, you can be smart and flashy too! Put a subaudible tone on the repeater transmitter, HOWEVER rig it a little differently than usual. Instead of having the subaudible come on constantly with the transmitter, you have it triggered by COS (carrier operated squelch) only. I.E. The subaudible is on ONLY when someone is transmitting INTO the repeater.

You then take your nifty-neato cross band repeat rigs and equip them with subaudible decoders. Now everything works perfectly no matter how long the repeater's squelch tail is, and ... if you have TWO repeaters that do this... guess what the cross band repeat rig can then do? Should be obvious! This can also be connected (as we did) into a user controlled command so it can be turned on and off. It is cheap and easy and solves the cross band repeat guys problem and also allows a longer squelch tail for those that like it (as I do).

Short or nonexistent squelch tail repeaters have their proponents, but with the band openings around here I get tired of hearing the machine bang up and down constantly. YES, I am aware of hysteresis squelch circuits and there is one in our repeater... yet when the band gets weird, they are not fool proof. Getting into the theory of it all, which is more stressful on the darn thing; A repeater coming up and staying up for 10 minutes, or a repeater keying up and down 50 times in the same period?

Bottom line? It's all just a matter of taste, and there is plenty of room for either method.

Mark Bitterlich
wa3jpy@wb4uou
mgb@tecnet1.jcte.jcs.mil

From -7024508980808044163
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f164b19f60a4e46d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 12:07:57 PST
Path: gmdzi!unido!mcsun!uunet!nems!ark1!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!wuarchive!emory!mephisto!mcnc!rti!dg-rtp!aquila.rtp.dg.com!harrism

From: harrism@aquila.rtp.dg.com
Newsgroups: rec.ham-radio
Subject: Personality Test (long)
Message-ID: <1990Jul6.140651.9297@dg-rtp.dg.com>
Date: 6 Jul 90 14:06:51 GMT
Sender: usenet@dg-rtp.dg.com (Usenet Administration)
Reply-To: harrism@dg-rtp.dg.com ()
Organization: Data General Corporation, Research Triangle Park, NC
Lines: 123
Posted: Fri Jul 6 15:06:51 1990

Here's a fun ham radio personality test. I copied it from the Raleigh Amateur Radio Society newsletter. I believe it originally came from the Laurel (MD) ARC "Feedback" newsletter (via Maria L. Evans, KT5Y).

Directions: Circle the letters of the sentences below that most closely resemble your attitudes about amateur radio. Then read the descriptions of those same letters to determine your personality profile.

A. Twenty meters is the band with all the action. It's propagation, overall characteristics, and the skill of it's regular operators epitomize the entire concept of Amateur Radio.

B. Twenty meters is full of California flakes and East Coast Kilowatts. Amateur Radio is a fraternity, and that fraternity only exists on 40 and 75 meter SSB.

C. Traffic handling is a living example of the history and traditions of Amateur Radio, and traffic handlers exude skills and decorum not found in the amateur community as a whole, and in general, are superior operators in all regards.

D. The high excitement and fever pitch of contest activities sharpen the endurance and stamina needed in emergency operation. Contesting is where it's at.

E. Amateur Radio has few unexplored ares, few real operating frontiers. UHF is one of the last of these outposts of research and exploration.

F. Amateurs have a duty to serve their community in emergency situation. Consequently, each amateur should be prepared that he/she may be called upon to render service above and beyond the call of duty.

G. Personally, I find the traditional modes of Amateur Radio communication quite boring. Amateur Radio's only future is in the growing number of specialty modes and new developments in amateur communication.

H. As a young person involved in Amateur Radio, I find that I am often confronted with cultural gaps in my hobby.

I. Too many hams these days are technically inclined to the point that they aren't good conversationalists. I find the friendships that I've gained via Amateur Radio the most rewarding part of the hobby.

J. Just as women in today's world are breaking into traditionally closed areas, today's YL is also becoming more involved in amateur activity. As one of this new breed of YL, I find the men and women of Amateur Radio exciting and challenging.

That's it. End of test. Now score yourself!

A. You are fat, middle aged, and smoke cigars. A real DX fiend, you own stacked monobanders at 150 feet. King Hussein and Father Moran know you on a first name basis. When you key the mic, the power company declares a peak power emergency.

B. Your idea of state of the art equipment is an HW-101. You own a NCX-3 or a Hallicrafters of some sort. You and your cronies make an 8 KHz wide dent on the upper end of 75. Your only knowledge of the word "splatter" is what bugs do on your windshield. On SSB, you use a chrome plated D-104 lollipop mic. For your annual CW QSO, you use a bug set to send dots at 65 wpm, and dashes at 5 wpm. When people can't sleep, they tune to 40 and listen to you rattle about the "good old AM days."

C. You are basically nosy, and get secret thrills out of reading the traffic that you pass. Your obsession with line noise borders on paranoia. You fantasize about using thermonuclear devices to eliminate all your neighbors' household appliances, and strangling the 75 meter roundtable geezers with hardline.

D. You wear plaid shorts, black socks, and loafers to hamfests. Your call tag has little blinking LEDs on it. Children in your neighborhood get spending money by shoveling out aluminum beer cans at your place that stack up on contest weekends.

E. You think that two meters is for peasants. Your house looks like Mission Control in Houston. Truth is, you have gear for every band above 440, but no one to talk to. People with pacemakers should not tour your shack.

F. Disaster is a turn on for you. You love to jump in your car and follow fire-engines and ambulances. You took every kind of first aid class the Red Cross offers in hopes of becoming a hero. You hover over the local repeater like the Angel of Death.

G. Your shack looks like the cockpit of the Space Shuttle. For X pieces of radio equipment, you have (2*X) pieces of accessory gear, and (5*X) sets of interface cables. It takes you 30 minutes to change modes. In an ordinary garden variety ragchew, you are a total conversational geek.

H. You parents hope that Amateur Radio is just a phase you'll grow out of. You lose points with dates by leaving the two meter rig on at the drive in movie. You tell your friends that you'll be on MARS this afternoon, and they ask if you can get them some of whatever your on.

I. You regularly call CQ on top of BY1s. You call home on the autopatch and your spouse divulges your darkest secrets on the repeater. You have an impressive collection of "borrowed" QSTs. Last week, your neighbors hired a Gypsy to curse your tower.

J. Strange old men call you "honey" on the air. Everybody wants your QSL for WAS-YL. At hamfests, XYLs fume when you buy tickets for both the afgan and the TS-940. While discussing erotic subjects like the Russian Woodpecker, these same XYLs drag their husbands away from you. Sometimes you wonder if these gals are going to get together and buy you a call sign hat with a scarlet A on it.

"As you probably have now discovered, NOBODY won this one!"

Mike Harris - KM4UL   harrism@dg-rtp.dg.com
Data General Corporation   {world}!mcnc!rti!dg-rtp!harrism
Research Triangle Park, NC

From 6131142617817367108
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,47788b47836db050,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 13:54:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!ucsd!ucbvax!LONEX.RADC.AF.MIL!szarekw
From: szarekw@LONEX.RADC.AF.MIL (William J. Szarek)
Newsgroups: rec.ham-radio
Subject: free equipment for schools
Message-ID: <9007061256.AA08170@lonex4.radc.af.mil>
Date: 6 Jul 90 12:56:30 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Fri Jul 6 13:56:30 1990

Our club (MOARC*) will be sponsoring a ham radio club at a local elementary school. I seem to remember that Uniden Co. was giving HR2510s away for free if they were to be used for education. Does anybody know if this is true and if so how to contact Uniden? Is there anybody out there interested in donating equipment to our cause? Is there anybody out there who has successfully done anything like this in their area and what advice can you offer?

Please respond to me at szarekw@lonex.radc.af.mil
If I get a good response I will compile the results for the bb.

Thanks & 73
Buzz Szarek
KB2KKH
*Madison Oneida Amateur Radio Club

From 5051001239502295960
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 14:41:19 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!wuarchive!texbell!nuchat!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <+F-&_0+@splut.conmicro.com>
Date: 6 Jul 90 17:35:10 GMT
References: <30500577@ux1.cso.uiuc.edu> <:6=&.Y-@splut.conmicro.com> <825@ke4zv.UUCP> <14954@ucsd.Edu> <SA#&_-@splut.conmicro.com> <954@ke4zv.UUCP>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 41
Posted: Fri Jul 6 18:35:10 1990

In article <954@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
>In article <SA#&_-@splut.conmicro.com> jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard) writes:
>>In article <14954@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>>>People stop kerchunking the repeater when
>>> a) they own radios they trust never to break
>>> b) they use a repeater they trust never to break
>>> c) you kill them
>>> d) the repeater drops off the air so fast they can't hear the kerchunk
>>>Which do YOU think is the most achievable?
>>
>>D, obviously. Repeaters and user radios may not break, but they will
>>NEVER make the repeater 100% of the time. The problem with D is that the
>>users go away, too, since the repeater is unusable.
>[stuff deleted]
>>radios", and not all of them; my IC32AT definitely doesn't qualify, but
>
>Now we get down to it. The users that go away are the ones with handie-
>scratchies trying to use them from marginal locations on the fringes of
>the repeater's coverage. In my opinion, if you are not equipped to put
>a full quieting signal into the repeater you shouldn't be attempting to
>use the repeater except in that mythical life or death situation where
>no other means of communications are available. And even in that situation,
>if someone is not there to hear your distress call, all the little beeps

>in the world won't help you. The only thing worse than listening to
>endless beeps and boops is listening to someone sitting in his easy
>chair fading in and out of the repeater with each breath because he
>is to lazy to walk over to his base station and put a solid signal
>into the machine.

...or because all his available funds are tied up elsewhere, like a real
Unix computer to put on the packet network.

Face it, Gary...not all hams are rich enough to put money into
high-powered radios for every car and base stations for every band. Some
of us have other things to do for the advancement of the art.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
"It's a hardware bug!" "It's a      +-----------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_
```

```
From -7743454864251420689
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c53254afd46ab1e4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 14:46:08 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!ucbvax!cs.cciw.ca!U009
From: U009@cs.cciw.ca
Newsgroups: rec.ham-radio
Subject: 10 GHz... Looking for N7CCB, W7PUA or WA7SHI
Message-ID: <5A07060E1515014B-MTACY830*U009@cs.cciw.ca>
Date: 6 Jul 90 19:28:10 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Fri Jul  6 20:28:10 1990
```

Does anyone have the addresses for any of the following hams:
Kirk Bailey N7CCB, Robert Larkin W7PUA, or Gary Oliver WA7SHI.
(or are they on the net here?)

They wrote a paper for the '88 Microwave Update entitled "TNT for 10 GHz
(The Tuesday Night Transverter)".

I would like to get in touch with any of them to see what design changes
have been made in the past 2 years.

Regards, Stu Beal, VE3MWM, (U009@CS.CCIW.CA),
National Water Research Institute,
Burlington, Ontario, Canada.

The future lies ahead. And behind us lies, lies... lies.

From 7972948463749953623
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8862b5546b85e53a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 14:55:13 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!xanadu!jeff
From: jeff@xanadu.com (Jeff Crilly (N6ZFX))
Newsgroups: rec.ham-radio
Subject: Re: Icom IC-2SAT enhancements, part 2
Message-ID: <1990Jul6.173135.19712@xanadu.com>
Date: 6 Jul 90 17:31:35 GMT
References: <1990Jul5.184611.20707@ecn.purdue.edu>
Organization: AMIX Corporation, Palo Alto, CA
Lines: 44
Posted: Fri Jul 6 18:31:35 1990

In article <1990Jul5.184611.20707@ecn.purdue.edu> cromwell@rvl4.ecn.purdue.edu (Bob Cromwell) writes:
>
>
>A friend of mine in Germany mailed me a *very* intriguing photocopy of
>a letter he received from someone who works for Icom-Europe. It's an
>internal ICOM memo with details on how to do all sorts of nifty tricks
>with the IC-2SE (which may nicely translate to IC-2SAT tricks).

[rest of article deleted]

The key combos don't seem to work on a IC-2SAT. And the following one:

```
>-----------------------------------------------------------------------------
>LIGHT + FUNC + V/M     RECEIVER MODE (All Band)    All Band - no Tx
>-----------------------------------------------------------------------------
```

will reset your cpu. (there is no "V/M" on the 2sat, only CLR, which is Memory -> VFO mode, and MR which is VFO -> Memory mode. I used CLR instead of V/M and got a reset -- oh well, fortunately I had all those repeater freqs written down.)

```
----------------------------------------------------
Jeff Crilly (N6ZFX)
AMIX Corporation
2345 Yale St.
Palo Alto, CA  94306
jeff@amix.com, {uunet,sun}!markets!jeff
----------------------------------------------------
```

--

Jeff Crilly (N6ZFX)
AMIX Corporation
2345 Yale St.

From -9167331609484657434
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1fe885019cd4bebc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 14:58:09 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Some CW procedure questions
Message-ID: <7880176@hpfcdc.HP.COM>
Date: 6 Jul 90 21:58:09 GMT
References: <22480003@hpcuha.HP.COM>
Organization: HP Ft. Collins, Co.
Lines: 26
Posted: Fri Jul 6 22:58:09 1990

- BT vs. periods for punctuation,

BT seems easier to copy.

- one or two BT's at a time,

I send two when my brain is stuck for a way to say something with
the fewest number of characters :-)

- 559 vs 55N for the 2nd RST report,

5nn is "cut code", an alternate method for transmitting numbers.

- leaving out one callsign and just send DE callsign,

Some of us send so slow that we ID every time, or we may overrun the
10 minute limit. :-)

- the dit dit at the end of contacts.

I use this as an acknowledgement that I received the last transmission
after I've SKed.

Perry Scott
KF0CA

```
From 1364560632246009454
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f52470045d7e759d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 14:59:39 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!know!zaphod.mps.ohio-
state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Vertical Antenna Info request
Message-ID: <7880177@hpfcdc.HP.COM>
Date: 6 Jul 90 21:59:39 GMT
References: <1990Jul3.162520.13501@math.lsa.umich.edu>
Organization: HP Ft. Collins, Co.
Lines: 3
Posted: Fri Jul  6 22:59:39 1990
```

You might also look into the Butternut HF6VX. I like mine.

Perry/KF0CA

```
From 2495205845777224339
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 15:04:28 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: The Demise of HR Magazine and Comments on CQ
Message-ID: <42720@apple.Apple.COM>
Date: 6 Jul 90 20:41:08 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com>
<63@thoreau.nsc.com> <36789@shemp.CS.UCLA.EDU>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 19
Posted: Fri Jul  6 21:41:08 1990
```

In article<36789@shemp.CS.UCLA.EDU>cccph@eel.cs.ucla.edu(Charles Hobbs) writes:
>In article <63@thoreau.nsc.com> rtodd@thoreau.nsc.com (Ron Todd) writes:
>>tech journal along the lines of what HR used to be (and 73 also before
>>Wayne lost a fair amount of his common sense).
>
>I haven't read the latest 73's, but Wayne always seemed to have
>plenty of common sense in the past.

When was this? I must have missed it....

```
Patty

--
*****************************************************************************
Patty Winter N6BIS                         INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                      UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************


From 3087063639880141931
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb3481a2d67edaa2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 21:14:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!uunet!lll-winken!sun-barr!
newstop!east!popcorn!aducharm
From: aducharm@popcorn.East.Sun.COM (Alfred Ducharme - Sun BOS Systems Product
Assurance)
Newsgroups: rec.ham-radio
Subject: Worldband radios
Message-ID: <2161@east.East.Sun.COM>
Date: 6 Jul 90 21:05:35 GMT
Sender: news@east.East.Sun.COM
Reply-To: aducharm@popcorn.East.Sun.COM (Alfred Ducharme - Sun BOS Systems Product
Assurance)
Organization: Sun Microsystems, Billerica MA
Lines: 13
Posted: Fri Jul  6 22:05:35 1990

Hello I wasn't sure if this was the right place to submits this but...

I was thinking of buying my dad Sony's new worldband radio, for the novice.
At first glance it seemed pretty nice.  My dad enjoys being aware of current
events and also likes new toys.  Is a world band radio a good way to satisfy
these two needs????

Also, are there enough stations around the world which broadcast in English
so that my father could understand them???

I would apprieciate it if someone could adress my questions
Thankyou for your time
Fred


From -1184290320139583309
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3e906880d77be894,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 21:16:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!tut.cis.ohio-state.edu!
ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
```

Subject: Re: h-t battery pack meltdown!
Message-ID: <9007062232.AA04468@ti.com>
Date: 6 Jul 90 21:37:39 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11
Posted: Fri Jul 6 22:37:39 1990

I can understand and excuse the cop whose Motorola radio battery was shorted by loose ammunition (and after a chuckle, feel sorry for him). My guess is that most cops know nothing about the technical aspects involved and, unless someone tells them specifically not to mix exposed battery contacts and conducting materials, they wouldn't think of the danger. Hams are another matter however. Maybe we ought to include a question or two in the writtens for all license categories about battery charge levels, rates, internal resistances, discharge rates, and the like.   :)

73,
Dube Todd N5PDK

From -6689906818076350888
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f4bb9499a915bae2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 21:16:46 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!MARLIN.NOSC.MIL!price
From: price@MARLIN.NOSC.MIL (James N. Price)
Newsgroups: rec.ham-radio
Subject: Collins Radio
Message-ID: <9007062238.AA04222@marlin.nosc.mil>
Date: 6 Jul 90 22:38:33 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Fri Jul 6 23:38:33 1990

In a very few days I'll be travelling through Cedar Rapids, Iowa. Are there any historical vestiges of Collins Radio there--like displays of old gear, a museum to old man Collins himself, etc? I'm not interested in trying to see Rockwell/Collins, but thought there might be something in the town or a little corner of the plant devoted to the old days.

I'll be leaving on Sunday, July 8, so any quick responses would be appreciated. I will read my e-mail on Saturday.

Cheers--Jim, K6ZH, ARPANET: price@nosc.mil

```
From -6393292728912638376
X-Google-Language: GERMAN,ASCII-7-bit
X-Google-Thread: 10c9e3,37365d45d8923148,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 12f11c,37365d45d8923148,start
X-Google-Attributes: gid12f11c,public
X-Google-ArrivalTime: 1990-07-06 21:23:43 PST
Path: gmdzi!unido!rmi!infoac!bpk
From: bpk@infoac.rmi.de (Bernd P. Kieck)
Newsgroups: dnet.ham,rec.ham-radio
Subject: DEUTSCHLAND-RUNDSPRUCH DES DARC NR. 26/90 VOM 06.07.1990
Message-ID: <880@infoac.rmi.de>
Date: 6 Jul 90 21:50:12 GMT
Reply-To: "Bernd P. Kieck" <bpk@infoac.rmi.de>
Followup-To: dnet.ham
Distribution: eunet
Organization: RMI Net * Aachen/Hamburg/Flensburg * W.Germany
Lines: 140
Xref: gmdzi dnet.ham:320 rec.ham-radio:12691
Posted: Fri Jul  6 22:50:12 1990
```

DEUTSCHLAND-RUNDSPRUCH DES DARC NR. 26/90 VOM 06.07.1990

TRIER:

Der langjaehrige Redakteur des DX-Rundspruchs Hans-Georg Goebel, DK1RV, hat das DX-Referat aus persoenlichen Gruenden gebeten, den DX-Rundspruch in neue Haende zu legen. Die deutschen DX-Amateure sind DK1RV zu grossem Dank verpflichtet fuer die zuverlaessige Gestaltung des DX-Rundspruchs in den vergangenen Jahren. Gleichzeitig teilt das DX-Referat mit, dass der DX-Rundspruch des DARC und des RSV ab sofort ueber die Station Y62DXR abgestrahlt wird. Redaktion und Bearbeitung liegen bei Ulf Ehrlich, Y42MK. Der Rundspruch wird wie bisher freitags um 17:00 UTC auf etwa 3.745 kHz abgestrahlt. Die zentrale Lage der Rundspruchstation in Thueringen garantiert optimale Empfangsmoeglichkeiten zu allen Jahreszeiten. Der Rundspruchredakteur wird in naechster Zeit ebenfalls mit dem DX-Packet-Cluster verbunden sein, so dass aktuelle Informationen direkt verarbeitet werden koennen.

DUISBURG:

Am 27.06.1990 fand vor dem Oberverwaltungsgericht Muenster die Verwaltungsrechtsberufungssache Gerd Kautz, DL5JP, gegen die Deutsche Bundespost Telekom statt. Seit 1985 verursachte der Klaeger in verschiedenen Empfangsanlagen seiner Nachbarn erhebliche Stoerungen. Messungen der Funkstoerungsmessstelle Duisburg ergaben, dass sowohl die mit FTZ-Nummer versehenen Empfangsanlagen der Nachbarn als auch die Geraetschaften des Funkamateurs in Ordnung waren. Gemaess Paragraph 16 Absatz 4 DV-AFuG wurde dem

Funkamateur zur Auflage gemacht, eine Sendeleistung von maximal 10 Watt einzuhalten oder ausserhalb der ortsueblichen Fernsehsendezeiten Funkbetrieb durchzufuehren. Bei der Verhandlung im November 1988 vor dem Verwaltungsgericht Duesseldorf wurde vorgeschlagen, die Leistungsbeschraenkung von 10 Watt in 100 Watt abzuaendern. Das akzeptierte seinerzeit der Klaeger. Diese abgeaenderte Leistungsbeschraenkung war jedoch aus grundsaetzlichen Erwaegungen heraus nicht annehmbar. Im Berufungsprozess vor dem Oberverwaltungsgericht Muenster wurde neu verhandelt, ob derartige verfuegende Massnahmen ueberhaupt berechtigt seien. Dank der guten Argumentation des DARC-Justitiars Boyke Dettmers, DJ4KD, gegen diese Leistungsbeschraenkung hob die Deutsche Bundespost vor dem Senat des Oberverwaltungsgerichts in Muenster die Ordnungsverfuegung vom 17.12.1987 und den Widerspruchsbescheid vom 12.12.1989 komplett auf.

DARMSTADT:

Im ersten Halbjahr 1990 stieg die Zahl der Amateurfunklizenzen in der Bundesrepublik Deutschland um 840 auf 64.013, d. h. um 1,3 %. Die Verteilung der 61.024 Individuallizenzen blieb prozentual gleich, das heisst 54 % in der Klasse B, 3 % in der Klasse A und 43 % in der Klasse C. Club- und Relaisfunkstellen verzeichneten einen Zuwachs von 2 %. 1.164 zivile Auslaender stellen weiter 1,9 % der Individuallizenzen.

FRIEDRICHSHAFEN:

Vom 29.06. bis 01.07. fand in Friedrichshafen die 15. Ham Radio statt. Mit 16.429 Besuchern aus ueber 30 Laendern, 160 Direktausstellern aus neun Laendern sowie der erstmals grossen Beteiligung aus der DDR wurde eine neue Dimension dieser Ausstellung erreicht. Ueber 31 % der Gaeste kamen aus dem Ausland. Gleichzeitig mit der Ham Radio 90 beging der DARC als ideeller Traeger das 41. Bodenseetreffen. Neben zahlreichen Vortraegen und Treffen wurden vor allem die aktuellen Probleme des Amateurfunks in der Bundesrepublik diskutiert. So warnte der erste Vorsitzende des DARC, Guenther Matz, DJ8BN, in seiner Eroeffnungsrede davor, allein aus wirtschaftlichen Gesichtspunkten heraus das 70-cm-Band zu Gunsten anderer Bedarfstraeger zu beschneiden. Ebenso verfolge man, so DJ8BN, die Belegung der Sonderkanaele im Breitband-Kabelnetz der Deutschen Bundespost mit grosser Sorge. Die Ham Radio 1991 findet vom 28.-30.06. auf dem Friedrichshafener Messegelaende statt.

TOURS:

Im Rahmen einer Montblanc-Expedition im August soll eine Amateurfunkstation vom Gipfel des mit 4.810 m hoechsten Berges Europas betrieben werden. Die Expedition wird zwischen dem 10. und 20.08. 1990, abhaengig von der Wetterlage, aufbrechen und mindestens vier Tage, bei gutem Wetter zwei Tage laenger, dauern. Dabei ist ein 24stuendiges Biwak auf dem Gipfel vorgesehen. Unter dem Rufzeichen F8UFT werden die Operateure versuchen, mit moeglichst vielen Funkamateuren in Kontakt zu treten. Als Arbeitsfrequenzen sind vorgesehen: 144,100 MHz in CW, 144,330 MHz in SSB, 145,550 MHz in FM, 145,350 MHz via Relais FZ8VHB, 145,725 MHz via Relais HB9G, 438,500 MHz in ATV mit der Rueckruffrequenz 144,170 MHz in SSB und 144,150 MHz in FM. Ausserdem wird eine CW-Bake auf 144,050 MHz installiert. Vom Basislager gibt es aktuelle Informationen um 21:00 Uhr Ortszeit auf 3.610 kHz in SSB sowie um 21:30 Uhr Ortszeit auf 3.545 kHz in CW. QSL-Karten gehen via FD1JMH.

DOEBRIACH:

Vom 21.07.-12.08. findet in Doebriach am Millstaetter See in Kaernten/Oesterreich das diesjaehrige DX-Camp statt. Obwohl das DX-Camp in erster Linie fuer Freunde des Kurzwellen- und UKW-Rundfunks gedacht ist, sind auch Funkamateure sehr willkommen. Vom 29.07.-03.08. stellt die ADXB-OE eine Amateurfunkstation fuer Kurzwelle und UKW mit dem Rufzeichen OE8XBC zur Verfuegung.

FUNKWETTERBERICHT: (03.07.)

Der ausgepraegte periodische Verlauf der Sonnenaktivitaet, der sich seit Jahresanfang herausgebildet hatte und der mit dem Monatsrhythmus zusammenfiel, scheint nun zu Ende zu gehen. Ursache war eine sehr ungleichmaessige Verteilung der Aktivitaetsgebiete auf der Sonne. Ob diese Umorientierung eine Erhoehung der Sonnentaetigkeit mit sich bringen wird, laesst sich zur Zeit noch nicht abschaetzen. Der Anstieg der Sonnenfleckenzahl und der 10-cm-Strahlung, der Ende Juni begonnen hatte, setzt sich weiter fort. Am 02.07. erreichte die Radiostrahlung 252 Einheiten. Wegen Verzoegerungen bei der Datenzustellung liegen keine aktuellen R-Werte hier vor. Jedoch duerfte Ende Juni nach der Skala von Boulder/Colorado die Grenze von 300 Einheiten ueberschritten worden sein. Die Magnetik war bisher ruhig, allerdings sind schnelle Aenderungen dieses Zustandes jederzeit moeglich. Infolgedessen muss im Vorhersagezeitraum mit sehr wechselhaftem Funkwetter gerechnet werden.

BAUNATAL:

Fuer den Deutschland-Rundspruch beginnt jetzt eine mehrwoechige Sommerpause. Der naechste Rundspruch wird am 24.08. herausgegeben. Allen Lesern wuenscht die Redaktion eine erholsame Urlaubszeit.

Ende des DL-RS Nr. 26/90 vom 06.07.1990

Bearbeitung: DC7XJ

...-.-

From -6552340674460015308
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c847bee5314304cc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 21:28:48 PST
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From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: SUBSCRIBE
Message-ID: <9007062209.AA04162@ti.com>
Date: 6 Jul 90 21:08:09 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 3
Posted: Fri Jul 6 22:08:09 1990

Subscribe
thanks,
Dube Todd

From -1756739488232106191
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31a77bf2d31630b2
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From: john@frog.UUCP (John Woods)
Newsgroups: rec.ham-radio
Subject: Re: Conversation with K2EEK, Editor CQ Magazine (Long)
Message-ID: <16324@frog.UUCP>
Date: 6 Jul 90 19:19:00 GMT
References: <1990Jul4.041831.24933@kodak.kodak.com> <24981@bellcore.bellcore.com>
Organization: Misanthropes-R-Us
Lines: 25
Posted: Fri Jul 6 20:19:00 1990

In article <24981@bellcore.bellcore.com>, jdn@casux4.uucp (jonathan nagy) writes:
> But you would be surpised at the number of contesters I know ...
> who consider the magazine completely worthless, outside of contest results.
> ...
> Market research is part of K2EEKs job, and I don't want to second
> guess him on this point.
> On the other hand, I am reminded of the quotation:
> "No one ever lost money underestimating the intelligence of the
> American Public." Could this also be true for the Amateur
> Radio public at large and CQ's readership?

Well, the "Big Three" US automakers lost billions of dollars doing just exactly that, once they had carefully crafted the market research organizations in such a way that they confirmed exactly what was already believed. Instead, the Japanese came in and ate their lunch, and they are STILL having difficulty coping with reality.

Businessmen, being human, often become quite attached to what they think their business ought to be and ignore what the market is trying to tell them. Perhaps it is therefore pointless to try to convince CQ to become more technical, but on the other hand, perhaps even K2EEK can be convinced if his market yells loudly enough.

```
--
John Woods, Charles River Data Systems, Framingham MA, (508) 626-1101
...!decvax!frog!john, john@frog.UUCP, ...!mit-eddie!jfw, jfw@eddie.mit.edu
```

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tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9007070538.AA04688@ucsd.edu>
Date: 7 Jul 90 05:35:57 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 378
Posted: Sat Jul  7 06:35:57 1990
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The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

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- Current NASA Prediction Bulletins #716 -
Alouette 1
1 00424U 62B-A  1 90178.73155298  .00000200  00000-0  23105-3 0  3300
2 00424  80.4627 275.6760 0022074 245.1180 114.7661 13.67361478384139
ATS 3
1 03029U 67111  A 90174.59713386 -.00000074  00000-0  99999-4 0  3932
2 03029  13.2228  21.1964 0013921 209.5552 150.3412  1.00272595 82851
Cosmos 398
1 04966U 71 16  A 90186.45121400  .00070259  17730-4  39508-3 0  9646
2 04966  51.5164 192.9997 2258165 181.7698 177.3878 11.08881275593722
Starlette
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1 07646U 75010  A 90186.00274706 -.00000164  00000-0 -82042-4 0   866
2 07646  49.8271  88.1873 0205170 250.1303 107.7378 13.82137453778248
LAGEOS
1 08820U 76039  A 90184.39409696  .00000002  00000-0  00000 0 0   858
2 08820 109.8527   0.6704 0044605 234.6685 124.9782  6.38664210 74978
GPS-0001
1 10684U 78020  A 90186.38505027  .00000007  00000-0  99999-4 0  4474
2 10684  63.7341  89.0138 0107161 200.4280 159.2533  2.00555246 76219
GPS-0002
1 10893U 78 47  A 90182.87182206 -.00000025  00000-0  00000 0 0  2025
2 10893  64.3781 329.9602 0164647  26.4659 334.3571  2.00544298 88964
SeaSat 1
1 10967U 78064  A 90186.43760551  .00000520  00000-0  22288-3 0  3517
2 10967 108.0213 357.8246 0003285 236.3369 123.7507 14.35736521629071
GPS-0003
1 11054U 78093  A 90182.15990706 -.00000024  00000-0  00000 0 0  2411
2 11054  63.9142 326.2367 0060295 118.6606 241.9624  2.00567498 85964
Nimbus 7
1 11080U 78098  A 90184.15098146  .00000090  00000-0  97447-4 0  6832
2 11080  99.1945  88.7147 0009928  42.2736 317.9183 13.83441567590240
GPS-0004
1 11141U 78112  A 90185.75080587  .00000007  00000-0  00000 0 0  3989
2 11141  63.7139  88.8851 0059765 316.2734  43.3375  2.00556225 84739
GPS-0005
1 11690U 80 11  A 90182.40174044  .00000008  00000-0  00000 0 0  9943
2 11690  64.1857  91.0994 0116257 203.0788 156.4073  2.00555711 90520
GPS-0006
1 11783U 80 32  A 90184.70382386 -.00000024  00000-0  00000 0 0  1608
2 11783  63.7081 325.7428 0151228  60.8416 300.6570  2.00558307 74655
GOES 5
1 12472U 81049  A 90176.68212053 -.00000176  00000-0  99999-4 0  9419
2 12472   3.4904  75.8736 0002951 343.0288  16.5596  1.00217042 32317
DE 1
1 12624U 81 70  A 90186.28619442 -.00000309  00000-0 -19537-2 0  4661
2 12624  89.0012 147.7291 6202727 276.2755  20.9453  3.51015838262847
SME
1 12887U 81100  A 90187.03353704  .00036300  00000-0  59844-3 0  7281
2 12887  97.6329 235.6443 0000747  46.5616 313.5759 15.52222066484197
Salyut 7
1 13138U 82 33  A 90187.08643662  .00053987  00000-0  53057-3 0  3643
2 13138  51.5981 208.4200 0002108  12.6384 347.4903 15.65478058467813
Cosmos 1383
1 13301U 82 66  A 90185.73230742  .00000075  00000-0  81009-4 0  5834
2 13301  82.9304 287.9148 0028945 110.7466 249.6793 13.67834126400070
LandSat 4
1 13367U 82 72  A 90186.60077943 -.00000023  00000-0  81466-7 0  3823
2 13367  98.1646 248.7678 0004889  77.3682 282.8114 14.57133102423989
IRAS
1 13777U 83  4  A 90184.30107725 -.00000163  00000-0 -10122-3 0  7918
2 13777  99.0260  20.8499 0012492 345.5752  14.5048 13.98795099 49199
Cosmos 1447
1 13916U 83 21  A 90177.07920937  .00000125  00000-0  12103-3 0  7317
2 13916  82.9434   5.4841 0039009 112.8885 247.6400 13.74047429363891
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GOES 6
1 14050U 83 41  A 90184.80724453  .00000114  00000-0  99999-4 0  2001
2 14050   2.2642  78.0096 0012298 309.1503  50.6703  1.00258517 10439
OSCAR 10
1 14129U 83 58  B 90177.47365881 -.00000041  00000-0  00000 0 0  5303
2 14129  26.0107 197.5005 5961085 154.3991 254.3150  2.05881318 24921
GPS-0008
1 14189U 83 72  A 90186.21471579  .00000006  00000-0  99999-4 0  7929
2 14189  63.4005  87.3064 0147278 219.2344 139.7104  2.00705895 51125
LandSat 5
1 14780U 84 21  A 90186.62851029  .00000418  00000-0  10281-3 0  2454
2 14780  98.2039 246.4264 0001464 126.4818 233.6536 14.57119335337400
UoSat 2
1 14781U 84 21  B 90182.63053424  .00000866  00000-0  16850-3 0  7545
2 14781  97.9480 234.7134 0012006 197.5080 162.5709 14.65457881338084
GPS-0009
1 15039U 84 59  A 90185.83200592  .00000006  00000-0  00000 0 0  9788
2 15039  63.1269  86.4923 0021688 234.9634 124.8654  2.00611986 44398
Cosmos 1574
1 15055U 84 62  A 90184.67055638  .00000085  00000-0  84890-4 0  8993
2 15055  82.9567  50.1618 0026347 279.6630  80.1543 13.73362543302330
GPS-0010
1 15271U 84 97  A 90182.75661095 -.00000024  00000-0  00000 0 0  8651
2 15271  63.2033 325.3467 0105523 327.4444  31.9107  2.00556974 41441
Cosmos 1602
1 15331U 84105  A 90184.93351316  .00001768  00000-0  23988-3 0  3207
2 15331  82.5378 345.3898 0021314 279.2589  80.6231 14.78241261310562
NOAA 9
1 15427U 84123  A 90186.53953292  .00000415  00000-0  24520-3 0  6015
2 15427  99.1683 186.7945 0014629 321.1521  38.8597 14.12611022286572
Cosmos 1686
1 16095U 85 86  A 90186.95873673  .00061860  00000-0  60586-3 0  6862
2 16095  51.6099 209.0595 0005041  38.9158 321.0488 15.65497092268894
GPS-0011
1 16129U 85 93  A 90175.96801790  .00000007  00000-0  00000 0 0  5505
2 16129  63.8864  87.7953 0123552 148.9529 211.8051  2.00510347 34514
Mir
1 16609U 86 17  A 90186.64239909  .00026365  00000-0  29433-3 0  7758
2 16609  51.6126 237.6281 0010676 110.8773 249.3197 15.62524310250989
SPOT 1
1 16613U 86 19  A 90186.67461246  .00000129  00000-0  69297-4 0   159
2 16613  98.7346 260.8770 0001994 116.9936 243.1397 14.20028473 66556
Cosmos 1766
1 16881U 86 55  A 90187.10131097  .00003776  00000-0  52156-3 0   597
2 16881  82.5176  42.4106 0022438 295.1393  64.7473 14.77739325211949
EGP
1 16908U 86 61  A 90179.40444839 -.00000012  00000-0  22485-3 0  2303
2 16908  50.0110 221.5180 0011161 225.4723 134.5165 12.44388644176257
NOAA 10
1 16969U 86 73  A 90183.38641875  .00000322  00000-0  15813-3 0  4474
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2 16969  98.5974 210.9907 0012582 223.1463 136.8731 14.23650603196771
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2 17527  99.1103 259.3184 0001303  92.7184 267.4147 13.94870313171882
GOES 7
1 17561U 87 22  A 90184.60069444 -.00000095  00000-0  99999-4 0  5668
2 17561   0.0626 261.5574 0005650 146.5727 349.1500  1.00290063  5608
Kvant-1
1 17845U 87 30  A 90186.96218296  .00026023  00000-0  29051-3 0  1861
2 17845  51.6123 236.0165 0010106 109.7309 250.4856 15.62539070187087
DMSP B5D2-3
1 18123U 87 53  A 90186.59270762  .00000298  00000-0  17601-3 0  6332
2 18123  98.8192  16.9470 0014399 334.8717  25.1754 14.14071527157009
RS-10/11
1 18129U 87 54  A 90187.05410024  .00000089  00000-0  90897-4 0  2454
2 18129  82.9278 314.5857 0013227  70.0511 290.2091 13.72097140152039
Meteor 2-16
1 18312U 87 68  A 90185.32051146  .00000219  00000-0  18868-3 0  4518
2 18312  82.5544 276.7110 0011204 200.8365 159.2339 13.83658545145359
Meteor 2-17
1 18820U 88  5  A 90185.39849661  .00000076  00000-0  62802-4 0  3099
2 18820  82.5437 336.7763 0015421 278.6447  81.2960 13.84349847122569
DMSP B5D2-4
1 18822U 88  6  A 90186.64385150  .00000342  00000-0  17384-3 0  5417
2 18822  98.6440  65.2958 0005884 211.7199 148.3632 14.21480224125445
AO-13
1 19216U 88 51  B 90184.94672410 -.00000182  00000-0  99999-4 0  1359
2 19216  57.0113 147.4281 6982849 230.6131  43.7356  2.09704960 15750
OKEAN 1
1 19274U 88 56  A 90186.96346041  .00001893  00000-0  26381-3 0  8529
2 19274  82.5169 141.1918 0023844  64.0698 296.3006 14.77075843107690
Meteor 3-2
1 19336U 88 64  A 90185.28497008  .00000391  00000-0  99999-3 0  5187
2 19336  82.5423 265.3282 0016020 273.2973  86.6111 13.16900567 93203
NOAA 11
1 19531U 88 89  A 90185.31988497  .00000428  00000-0  25634-3 0  3018
2 19531  98.9820 133.6476 0011255 232.8678 127.1464 14.11640134 91388
TDRS 2
1 19548U 88 91  B 90186.00000000  .00000113  00000-0  99999-4 0  1410
2 19548   0.1646  76.7547 0003893  45.7156 345.7271  1.00272418   434
Cosmos 2001
1 19796U 89 11  A 90186.63362320 -.00001019  00000-0  99999-4 0  5357
2 19796  63.2833  90.5450 7079780 319.9107   5.2698  2.00611881 10176
GPS BII-01
1 19802U 89 13  A 90184.40091160  .00000016  00000-0  99999-4 0  1374
2 19802  55.0539 196.7762 0054553 166.1778 194.0200  2.00644186 10070
Akebono
1 19822U 89 16  A 90184.70539514  .00023691  00000-0  15721-2 0  6684
2 19822  75.1431 230.7406 4173312 211.2530 115.4717  7.11848521  1017
Meteor 2-18
1 19851U 89 18  A 90185.15776685  .00000105  00000-0  89537-4 0  2533
2 19851  82.5206 214.9347 0013581 324.3790  35.6458 13.83986438 67912
TDRS 3
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1 19883U 89 21  B 90186.00000000 -.00000234  00000-0  99999-4 0  1433
2 19883   0.1901  75.9757 0001557 125.7613  40.4129  1.00269791 75136
GPS BII-02
1 20061U 89 44  A 90184.12958865 -.00000033  00000-0  00000 0 0  1426
2 20061  54.7432  15.2116 0086329 173.7237 186.4263  2.00485127  7815
Nadezhda 1
1 20103U 89 50  A 90184.92591165  .00000062  00000-0  59920-4 0  1548
2 20103  82.9605 272.6577 0038093 354.4497   5.6233 13.73598240 50010
GPS BII-03
1 20185U 89 64  A 90182.55866662  .00000016  00000-0  99999-4 0  1311
2 20185  54.8981 197.6740 0023486 163.6952 196.4181  2.00625058  6354
Activnyi
1 20261U 89 80  A 90186.77308442  .00000881  00000-0  27562-3 0  5915
2 20261  82.5954 216.7635 1256924 296.4351  51.3192 12.43787331 34901
Activnyi RB
1 20262U 89 80  C 90185.21875301  .00000282  00000-0  87287-4 0  2505
2 20262  82.5955 217.8142 1260202 300.2064  48.0039 12.43219206 34710
Magion 2
1 20281U 89 80  B 90186.73826546  .00001091  00000-0  34065-3 0  5867
2 20281  82.5941 216.7058 1256441 296.3585  51.3875 12.44050305 34903
GPS BII-04
1 20302U 89 85  A 90184.38116669 -.00000028  00000-0  99999-4 0  1351
2 20302  54.6284 316.4146 0032915 317.7187  42.0332  2.00372632  5191
Meteor 3-3
1 20305U 89 86  A 90185.09823028  .00000045  00000-0  10126-3 0  1608
2 20305  82.5533 206.0657 0014622 291.1921  68.7663 13.15861166 33172
COBE
1 20322U 89 89  A 90185.10631891  .00004609  00000-0  30151-2 0  1426
2 20322  99.0176 195.1430 0008759 326.0521  34.0094 14.02520168 31861
Kvant-2
1 20335U 89 93  A 90185.61909663  .00023449  00000-0  26303-3 0  2896
2 20335  51.6131 242.7994 0010159 104.8469 255.4309 15.62483724 34486
GPS BII-05
1 20361U 89 97  A 90182.59292898  .00000015  00000-0  99999-4 0   847
2 20361  54.9847 139.7813 0063901  47.9093 312.9006  2.00581291  4018
SPOT 2
1 20436U 90  5  A 90187.06235305 -.00000330  00000-0 -14622-3 0  2638
2 20436  98.7345 261.3149 0001070  76.7826 283.3400 14.20014876 23427
UO-14
1 20437U 90  5  B 90185.19502530  .00000270  00000-0  12340-3 0  1745
2 20437  98.6973 261.2539 0012398 104.9649 255.2960 14.28649049 23296
UO-15
1 20438U 90  5  C 90185.08182632  .00000189  00000-0  83864-4 0   996
2 20438  98.7010 261.1233 0011119 102.2877 257.9548 14.28387788 23272
PACSAT
1 20439U 90  5  D 90185.18358906  .00000241  00000-0  11194-3 0   903
2 20439  98.7037 261.3512 0012717 103.2210 257.0400 14.28753136 23295
DO-17
1 20440U 90  5  E 90185.24914985  .00000263  00000-0  12064-3 0   942
2 20440  98.7035 261.4266 0012939 103.4420 256.8212 14.28799640 23303
WO-18
1 20441U 90  5  F 90185.23712146  .00000243  00000-0  11173-3 0   956
2 20441  98.7034 261.4353 0013505 104.5773 255.6912 14.28895732 23306
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2 20442  98.7030 261.4448 0013820 104.3065 255.9658 14.28964845 23302
GPS BII-06
1 20452U 90  8  A 90182.68216293  .00000001  00000-0  99999-4 0   785
2 20452  54.5667 255.3949 0027124  44.7228 315.5591  2.00873281  3135
MOS-1B
1 20478U 90 13  A 90187.10721954  .00000177  00000-0  15712-3 0  3312
2 20478  99.1901 257.2486 0000990  64.9827 295.1460 13.94825416 20776
DEBUT
1 20479U 90 13  B 90185.08503568  .00000073  00000-0  21269-3 0   919
2 20479  99.0369 228.4026 0541364  10.3474 350.8266 12.83158679 18915
FO-20
1 20480U 90 13  C 90185.08801266 -.00000039  00000-0 -58451-4 0   904
2 20480  99.0374 228.3994 0541312  10.3887 350.7896 12.83138244 18911
MOS-1B R/B
1 20491U 90 13  D 90187.10172609  .00000865  00000-0  16781-2 0   951
2 20491  99.0446 234.2411 0471114 347.0866  11.8415 13.02758627 18863
Soyuz TM-9
1 20494U 90 14  A 90187.02613693  .00020373  00000-0  22904-3 0  1861
2 20494  51.6156 235.6948 0008811 109.3888 250.8046 15.62539712 22614
LACE
1 20496U 90 15  A 90186.18598143  .00003761  00000-0  23538-3 0  1857
2 20496  43.0991 223.8355 0013277 110.4738 249.7581 15.10807037 21248
RME
1 20497U 90 15  B 90187.09108678  .00009367  00000-0  26393-3 0  1871
2 20497  43.1069 189.4278 0014671 107.2596 252.9869 15.36536273 21741
Nadezhda 2
1 20508U 90 17  A 90185.06048061  .00000053  00000-0  49909-4 0  1131
2 20508  82.9515  47.4666 0043541 301.1065  58.5821 13.73217305 17327
OKEAN 2
1 20510U 90 18  A 90187.07813045  .00001878  00000-0  28674-3 0  1984
2 20510  82.5271  80.3323 0018845 209.0226 150.9994 14.73240920 18852
INTELSAT-6
1 20523U 90 21  A 90187.02523188 -.00009563  00000-0 -70606-3 0  2011
2 20523  28.3438 140.1336 0017249  28.2528 331.9058 15.02698843 17283
GPS BII-07
1 20533U 90 25  A 90181.37170140 -.00000032  00000-0  00000 0 0   492
2 20533  55.1078  15.4021 0036036  99.9760 260.4636  2.00549200  1866
Offeq 2
1 20540U 90 27  A 90187.04358143  .04205311 -81582-4  19569-2 0  2048
2 20540 143.1731 274.7202 0202962  78.6052 283.8524 15.88495705 13745
PegSat
1 20546U 90 28  A 90186.56646260  .00000077  00000-0  53998-5 0  1361
2 20546  94.1166 224.8651 0147990 265.7331  92.7391 15.00570864 13596
HST
1 20580U 90 37  B 90187.05941761  .00002335  00000-0  25413-3 0  1164
2 20580  28.4714 129.5212 0006826 330.0571  29.9869 14.84546267 10782
Cosmos 2077
1 20604U          90159.11959646 0.00895918  40743-4  30538-3 0   857
2 20604  62.8254 330.1747 0057360 101.0778 259.6824 16.20610237  5055
1990 043B
1 20608U 90 43  B 90163.07909590  .00000913  00000-0  16762-3 0   270
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1990 043C
1 20609U 90 43  C 90171.49996653  .00002673  00000-0  49253-3 0   346
2 20609  89.8845 194.6763 0115406 134.7122 226.3597 14.61070356  6131
Cosmos 2078
1 20615U 90 44  A 90171.78867040  .00183402  60436-5  15216-3 0  1047
2 20615  69.9841 315.4552 0054706 133.3475 227.2649 16.10297192  5865
Cosmos 2079
1 20619U 90 45  A 90183.18162415 -.00000015  00000-0  99999-4 0   666
2 20619  64.8990  38.4694 0021232 211.7782 148.1393  2.13102858   940
Cosmos 2080
1 20620U 90 45  B 90170.62952013 -.00000015  00000-0  99999-4 0   507
2 20620  64.8743  38.9184 0008637  40.2121 319.9150  2.13103990   681
Cosmos 2081
1 20621U 90 45  C 90175.84977191 -.00000015  00000-0  99999-4 0   488
2 20621  64.8983  38.7309 0011927 198.4009 161.6165  2.13101327   794
1990 045E
1 20623U          90170.70161879 -.00000015           10000-3 0   305
2 20623  64.8836  38.9024 0015879 342.3694  17.6368  2.13413552   688
Cosmos 2082
1 20624U          90178.33809439  .00000248  00000-0  15642-3 0   499
2 20624  71.0027 289.2272 0005895 345.8847  14.2115 14.12184586  5101
1990 046B
1 20625U 90 46  B 90176.75202607 -.00000199  00000-0 -94929-4 0   175
2 20625  71.0012 292.4176 0016855 297.5224  62.4185 14.13303811  4886
Kristall
1 20635U 90 48  A 90186.96218887  .00026880  00000-0  29966-3 0   642
2 20635  51.6129 236.0143 0011441 115.6906 244.5695 15.62540586  5574
ROSAT
1 20638U 90 49  A 90187.00592365  .00002308  00000-0  21651-3 0   291
2 20638  52.9885 326.8089 0015955  44.1557 316.0698 14.97741876  5108
1990 049B
1 20639U 90 49  B 90186.77313651  .00012056  00000-0  52549-3 0   363
2 20639  52.5158 315.1529 0074503 358.3877   1.6875 15.20114840  5158
1989 100N
1 20640U 89100  N 90164.84157702  .00302012  00000-0  12684-1 0   287
2 20640  73.5282 100.1213 0015575 186.1766 174.0874 15.21911966 25589
INSAT 1-D
1 20643U 90 51  A 90183.98945381 -.00000134  00000-0  99999-4 0   155
2 20643   0.1624 277.6581 0005140 143.5349 298.8135  1.00262305   189
1990 051B
1 20644U 90 51  B 90182.91673508  .00807612  27630-3  13249-2 0   368
2 20644  27.2733  17.0581 0079457 357.7788   2.3356 15.96061898  3129
1990 051C
1 20645U 90 51  C 90185.27926440  .00140977  27065-4  56831-3 0   202
2 20645  27.1803 160.5705 7480379 191.3138 129.8867  2.08935230   449
Molniya3-38
1 20646U 90 52  A 90185.65406753  .00000132  00000-0  23586-4 0   246
2 20646  62.8663 224.3298 7416217 280.1251  11.0360  2.00630773   467
1990 052B
1 20647U 90 52  B 90184.08667131  .05890247  41323-4  89674-3 0   461
2 20647  62.8323 149.6397 0047223 131.5467 229.0652 16.29989804  3183
1990 052C
```

```
1 20648U 90 52  C 90179.29475803  .05032304  42918-4  16574-3 0   396
2 20648  62.8106 167.9614 0034014 117.7423 242.9410 16.40222999  2420
1990 052D
1 20649U 90 52  D 90184.97930720 -.00000874  00000-0 -47338-2 0   153
2 20649  62.8133 224.4544 7455374 280.0783   3.7659  1.96245518   421
1990 053A
1 20657U 90 53  A 90183.95331539  .00007458  00000-0  46790-4 0   261
2 20657  82.5899  51.2533 0085258 180.3530 179.7758 15.71432514  2144
Gorizont 20
1 20659U 90 54  A 90186.71567025 -.00000198  00000-0  99999-4 0   165
2 20659   1.4866 270.2906 0017761 240.9594 119.9440  1.00258550   161
1990 054D
1 20662U 90 54  D 90182.69632392 -.00000313  00000-0  99999-4 0    60
2 20662   1.5562 268.7431 0015126 303.3709  58.0420  1.00517597   136
Cosmos 2084
1 20663U 90 55  A 90186.75697407  .00003148  00000-0  52754-3 0   280
2 20663  62.8058 126.8224 0123587   6.2301 354.0182 14.66758372  2038
1990 055B
1 20664U 90 55  B 90183.82883180  .00758670  11984-4  10951-2 0   175
2 20664  62.8198 130.3533 0213579 122.9661 239.3962 15.74333920  1716
1990 055C
1 20665U 90 55  C 90183.43125760  .00938006  36291-4  11109-2 0   151
2 20665  62.8583 132.2405 0253838 123.0236 239.6370 15.68275020  1654
1990 055D
1 20666U 90 55  D 90178.08894458  .00001375  00000-0  23276-3 0   114
2 20666  62.7944 154.5549 0118778  11.6137 348.7643 14.69449759   764
INTELSAT-F6
1 20667U 90 56  A 90185.32207715 -.00000226  00000-0  99999-4 0   105
2 20667   0.3858 258.0016 0023216 328.6423 133.1539  1.00266808   131
1990 056C
1 20669U 90 56  C 90185.90948695  .00004319  00000-0  19052-2 0    83
2 20669  24.2744 260.2294 7414417   7.8646 359.2800  2.10770352   242
1990 057A
1 20670U 90 57  A 90183.04636009 -.00000050  00000-0 -50471-4 0    73
2 20670  82.5475 276.8747 0014659 243.7424 116.2234 13.83835295   578
1990 057B
1 20671U 90 57  B 90180.94905447 -.00000305  00000-0 -27867-3 0    47
2 20671  82.5468 278.5384 0013854 252.1849 107.5915 13.84156905   280
```

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

From -4662286109151390506
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-07 00:47:03 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Re: Kerchunking (was Re: Homebrew repeater controllers)
Message-ID: <102766@philabs.Philips.Com>

Date: 6 Jul 90 13:04:54 GMT
References: <:6=&.Y-@splut.conmicro.com> <1990Jul4.043701.3457@csense.uucp>
<26712@netnews.upenn.edu>
Sender: news@philabs.Philips.Com
Reply-To: rfc@briar.philips.com.UUCP (Robert Casey)
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 16
Posted: Fri Jul 6 14:04:54 1990

In article <26712@netnews.upenn.edu> depolo@eniac.seas.upenn.edu.UUCP (Jeff
DePolo) writes:
>The best way to prevent kerchunking and still maintain a courtesy beep and/or
>a transmit carrier hang time is to have the repeater only key up when a carrier
>breaks squelch, PL is heard (if applicable) AND audio is present. This forces
>the would-be kerchunker to say something, hopefully his call sign. At least
>one repeater I know of here uses this technique, quite successfully. The
>reason it works is that nobody wants to key down and say "Hello" or "Testing",
>without IDing for fear that his voice would be recognized.

This would work until someone figures out that one could press a touch tone
key on his touch tone pad on his HT or mic to make some audio. Or blow some
air into the mic, to make some noise. A dedicated kerchunker will find a way
to kerchunk. But you should ID.

73 de Whiskey Alpha Two India Sierra Echo
(why am I using phonetics on the UUCP net? :-)

From 3263233333879370861
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d9458404d23139d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-07 01:29:48 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Alinco DR510 Crossband Repeater Mod
Keywords: mods
Message-ID: <102933@philabs.Philips.Com>
Date: 7 Jul 90 04:22:14 GMT
Sender: news@philabs.Philips.Com
Lines: 102
Posted: Sat Jul 7 05:22:14 1990

copied from packet:
```
 Msg# TSF  Size #Rd  Date  Time From   MsgID        To
29789 BF   4806   0 24-Jun 0021 N8KNJ  2111_KA3T    MODS@NYNET ()
  Sb: Alinco DR-510 Cross-Band Rpt MOD
```

  DR-510 - Vehicular Extender Modification

  I discovered this modification the other day and wish to share it with other 510 owners, I did it and it works for me!

I did not originate the modification and will NOT accept any
responsibility for any damage the may occur as a result.
(I won't myself. WA2ISE)

How to do it

1. Remove bottom cover

2. Remove 2 Phillips screws at corners of subtone board
(small board near center in front) and move the tone board out of
the way.

3. Solder an 16V electrolytic capacitor
(10MFD to 100MFD but best to use 40MFD to
50MFD) as follows:

A. Neg (-) lead to pin 8 on device (IC) labeled - M54959P
B. Pos (+) lead to pin 3, counting from left while facing front
of transceiver of the white 11 pin connector.

```
         ANT                                     Power cord
         -----------------Rear----------------------------

              l_l_l_l_l_l_l_l
              l   M54959P   l
                      l_____________l     (-)
                        l l l l l l l l------47uF+
                                                /(+)
                                               /
                   [][][][][][] [][][X][][][][][][][][]
          ------------------Front---------------------------
```

4. Remove top cover and faceplate of transceiver. Be careful of speaker wires!
A. To remove faceplate:
 1. Remove main dial knob and retaining nut.
 2. Remove mic. socket retaining ring.
 3. GENTLY lift tabs, located approximately 3/4" in from each side,
on top of faceplate and "rotate" toward front of the transceiver.
 4. When tabs are "free", turn transceiver over and repeat
the process. Remember - gently!
 5. Set free plate aside.

5. Locate surface monnt device labeled R-35 on control board
(front of transceiver).
A. R-35 is positioned between, and slightly below, the squelch and
high/low power button. To the left of device R-35 is a "circle" trace.
inside the "circle" trace are two solder pads, one of which is already
soldered to R-35.

6. Bridge the unsoldered pad to the soldered pad inside the "circle" trace.

7. Short R-35

```
----------------------Top---------------------------------
LCD            (Vol)    (Seq)    [Power]

                       (ll)-  + [Hi/low]
                        ^  ^
                        l R-35
                        l
                        "circle" trace pads

----------------bottom------------------------------------
```

8. Replace faceplate, retaining nut, retaining ring, tone board, bottom and top of transceiver.

Operation

1. Store different bands (2m or UHF) in VFO mode and Memory Channel 1-9. Any thing you can store in memory 1-9, split, subtone enc, subtone dec will work.
2. Store "DUAL" mode in VFO (Simplex) also it will accept subtone enc and subtone dec.
3. Turn power off and then keep pressing the REV key, turn on the power switch.
4. Audio Vol. control is your deviation control in repeater mode.
5. To return to normal operation turn off power then turn on again without pressing any keys.

Notes:

The transceiver scans back and forth between the VFO and Memory until it finds a signal then it locks on and transmits what it hears on the other band. This scanning causes a slight delay when keying up as the radio takes time to scan. I recommend the use of subtones when possible so that the radio will not key up on noise and not allow non-authorized personal to use your radio, the transmissions of which YOU are responsible.

Good Luck, es 73's Rick N8KNJ

Note: I haven't tried this, proceed at your own risk. WA2ISE

From -7631664338912562008
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,50f493f91c0a1155,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-07 01:47:07 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Preliminary Agrement on 7 MHz for WARC-92
Message-ID: <315.2693B42C@w8grt.fidonet.org>

```
Date: 7 Jul 90 04:12:02 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 27
Posted: Sat Jul  7 05:12:02 1990


 > From: perry@hpfcdc.HP.COM (Perry Scott)
 > Newsgroups: rec.ham-radio
 > Message-ID: <7880175@hpfcdc.HP.COM>
 > Date: 3 Jul 90 23:36:45 GMT
 >
 > ... and do I hear the deluge of "how to mod" postings coming.  I vote
 > for "rec.ham-radio.mods".
 >
 > :-)
 >
 >
 > Seriously, this sounds exciting.  This 40-meter fossil would really like
 > to be able to fit 3 SSB QSOs into 10Khz, rather than 2.  The absence of
 > over-the-pole QRM would make everyone's life easier.

It is all very interesting, but where do those displaced go? I know that the
U.S. government, among others, makes use of that 6950-7000 slot.

--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: {ncar!asuvax!stjhmc!,iuvax!ndmath!nstar}!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  __________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"


From -4407379890459879610
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb3481a2d67edaa2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-07 22:39:35 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpfcso!hpfcdc!richard
From: richard@hpfcdc.HP.COM (Richard Artz)
Newsgroups: rec.ham-radio
Subject: Re: Worldband radios
Message-ID: <7880178@hpfcdc.HP.COM>
Date: 8 Jul 90 05:39:35 GMT
References: <2161@east.East.Sun.COM>
Organization: HP Ft. Collins, Co.
Lines: 29
Posted: Sun Jul  8 06:39:35 1990

Fred Ducharme writes:
> Hello I wasn't sure if this was the right place to submits this but...
```

I'd guess the shortwave group would be better. :-)

> I was thinking of buying my dad Sony's new worldband radio, for the novice.

There are many Sonys. Were you thinking of the ICF-SW1S?

> At first glance it seemed pretty nice. My dad enjoys being aware of current
> events and also likes new toys. Is a world band radio a good way to satisfy
> these two needs????

The SW1 may be a great toy since it's sooooo small.
Shortwave listening can be lots of fun.

> Also, are there enough stations around the world which broadcast in English
> so that my father could understand them???

Yes. I think there are "enough",.
but I don't know if your father understands English :-)

> I would apprieciate it if someone could adress my questions
> Thankyou for your time
> Fred

I would also recommend getting him the book: "Passport to World Band Radio"
ISBN 0-914941-20-8 at your local book store. Don't be a fool -- buy it first,
before you buy the radio. (sorry about using the f word, but you really need
the book)

Richard Artz / N0LZR / 303-229-2036 / richard@hpfcww.fc.hp.com
(NO, I don't have a thing to do with the book, I just recommend it highly.)

From -7434156691948130801
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2f7e5d9f25e521b3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 14bc30,2f7e5d9f25e521b3
X-Google-Attributes: gid14bc30,public
X-Google-ArrivalTime: 1990-07-08 08:41:07 PST
Path: gmdzi!unido!mcsun!uunet!samsung!umich!vela!swood
From: swood@vela.acs.oakland.edu (Scott Wood)
Newsgroups: rec.ham-radio,rec.shortwave
Subject: Re: Scanner Antenna / Discone / Technical questions (long)
Message-ID: <1968@vela.acs.oakland.edu>
Date: 7 Jul 90 16:00:05 GMT
References: <1990Jul3.025821.8189@midway.uchicago.edu>
<1990Jul4.172853.22307@axion.bt.co.uk>
Reply-To: swood@vela.acs.oakland.edu (Scott Wood)
Organization: Oakland University, Rochester MI
Lines: 15
Xref: gmdzi rec.ham-radio:12700
Posted: Sat Jul 7 17:00:05 1990

In article <1990Jul4.172853.22307@axion.bt.co.uk> bcollins@axion.bt.co.uk (bill collins) writes:
>

>Quote from a radio handbook (not sure which one, I only have a copy of
>the pages relating to discones, log-periodics and helicals to hand):
>
>"The `discone' antenna ...

From Richard Orr. Radio Handbook. I used that as one of the main sources for
the article that I did on the Discone

swood

```
--
OK, who farted?              | swood@vela.acs.oakland.edu
When you see Scott coming,  | swood@vela.acs.oakland.edu
you can just sense trouble  | swood@nucleus.mi.org
The Notorious Tre'      | Scott Webster Wood
```

From -860845726954207619
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16d0a1d7bde0f8ce,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,16d0a1d7bde0f8ce,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-07-08 09:19:15 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!pacbell.com!ames!eos!
millard
From: millard@eos.UUCP (Millard Edgerton)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: HAM RADIO IN DANGER
Keywords: Ham-Radio, Packet
Message-ID: <6897@eos.UUCP>
Date: 7 Jul 90 21:32:19 GMT
Followup-To: rec.ham-radio, rec.ham-radio.packet
Organization: NASA Ames Research Center, California
Lines: 364
Xref: gmdzi rec.ham-radio:12702 rec.ham-radio.packet:2492
Posted: Sat Jul 7 22:32:19 1990

The following was posted to Packet Radio by Ed Mitchell, formerlly
of the San Francisco bay area and W6AOD, now of Washington state
and KD7NM. Ed is perceptive and a good writer. I hope you on
the net will give this some serious thought.

73s
Edgie

```
***************************************************************************
*  Intelligent people talk about ideas.   | Standard disclaimer(s)        *
*  Average people talk about things.      | Millard J. Edgerton, WA6VZZ   *
*  Small people talk about other people.  | millard@eos.arc.nasa.gov      *
***************************************************************************
*            Fax 415-604-3950             |      Voice 415-604-3480       *
*      Employed by Sterling Software at NASA Ames Research Center.       *
```

****

----------------------------------begin------------------------------------

Date: 01 Jul 90 18:11
From: KF7VY@KD7NM
To: ALL@ALLUSW
Subject: Hams to lose UHF freq? 1/5
Path: WD6CMU!KA6FUB!N6ECP!AL7IN!WB7VMS!N7DXT!N7JQK!W0LVJ!KD7NM

Hams to lose all UHF Freqs?
July 1, 1990

Sorry for the alarmist title but often it takes a knock on the head to wake up.

As you know, ham radio recently lost 2 MHz of spectrum at 220-222 MHz. But did you know that in roughly the last TEN years, ham radio lost an astounding 91 MHz! That works out to 9 MHz per year from 1980 to 1989, making 1989's loss of 220-222 MHz a very good year for ham radio.

Between 1980 and 1989, the U.S. Amateur Radio Service lost forever, a total of 117 MHz of spectrum in the VHF/ UHF region alone:
    420-430 MHz north of 'Line A'.
    1215-1240 MHz .
    2310-2390 MHz.
    220-222 MHz.
The only good news is that we did get 902-928 MHz, for a net loss of 'only' 91.00 Mhz.

What is so frightening about all of this is that the strong arguments we presented to the FCC to save 220-222 MHz were not good enough - and do you seriously believe that we can provide better arguments to retain our holds at 902, 1240, 2400 or even 440 MHz?

Fast Approaching Demands on the Spectrum

Cellular telephones and high definition TV (HDTV) have all received a great deal of press regarding their growth and demands on spectrum. Lesser known are a number of new technologies that will start to come on line during the coming decade and which will demand their own frequency allocations.

Coming soon is the Personal Communications Network, which is best described as a 'micro cellular' system. The idea is that cells will shrink to less than 1 kilometer in size (in some cases maybe a hundred meters) as this is the only way that huge numbers of portable telephones can be accomodated. Conceptually every city block, every shopping center, every business will have a cell site. The single 'cordless phone' that you use at home will operate at your business, at the airport or while shopping. PCN is for real: A U.S. company has received FCC approval to build a pilot system on the east coast. Some systems are already operating in the U.K.

Even cellular is already maxed out in many areas. Today there are 3.5 million cellular subscribers with forecasts that the number will reach 28 million subscribers by 1997. That means that roughly 1 out of every 10 people in the U.S. will have a cellular telephone.

Date: 01 Jul 90 18:25
Message-ID: <2448@KD7NM>
From: KF7VY@KD7NM
To: ALL@ALLUSW
Subject: Hams to lose UHF freq? 2/5
Path: N6QMY!W8GEC!KA6FUB!N6ECP!AL7IN!WB7VMS!N7DXT!N7JQK!W0LVJ!KD7NM

The cellular industry is looking to new technologies, especially digital cellular that will enable them to multiplex multiple signals, and hence, make better use of the available spectrum. Undoubtedly, they will want more spectrum.

Motorola has announced plans to build a world-wide satellite and terrestrial based cellular phone system. Using a large number of low earth orbit satellites, the system will provide worldwide telephone service from rural and remote areas of the entire world. When the user travels into a metropolitan area, the system will automatically switch from satellite operation to the terrestrial cellular phone system.

Before the end of this decade, Digital Audio Broadcasting will likely make its debut. Just as FM broadcasting has nearly replaced AM radio, DAB may do the same, providing CD quality audio broadcasts. This digital broadcasting system will soon be seeking a dedicated frequency allocation, allegedly in the 1.2 to 2.0 GHz range.

And if that were not enough, virtually every single radio service currently in existence is seeking additional allocations.

The Impact

Last month (June 21, 1990 news report), Rep. Edward J. Markey (D-MA) introduced legislation forcing the Department of Defense to give up some of its frequencies. On June 18th, the House committee on Energy and Commerce unanimously approved a bill that would force the U.S. government to give up its hold on large segments of spectrum that it now holds.

Is this good or bad? Considering that ham radio shares frequency allocations with military radar allocations (go take a look at Part 2 of the FCC rules), this means that ham radio could easily lose significant chunks of spectrum. Only 430-440 MHz is an international ham radio allocation; 440-450 is US domestic only and is shared with military radar, as are 1240 to 1300 MHz.

Meanwhile, the Bush adminstration has gone on record saying that it favors the concept of selling 'access rights' to the spectrum. Industry analysts have said that market prices for 1 megahertz of prime spectrum might easily fetch 8 to 10 BILLION DOLLARS. Its hard to see how ham radio can compete with such dollar valued market forces.

Date: 01 Jul 90 18:25
Message-ID: <2448@KD7NM>
From: KF7VY@KD7NM
To: ALL@ALLUSW
Subject: Hams to lose UHF freq? 3/5
Path: N6QMY!W8GEC!KA6FUB!N6ECP!AL7IN!WB7VMS!N7DXT!N7JQK!W0LVJ!KD7NM

Today, approximately one half of the FCC's employees are lawyers. How much do you think the FCC's lawyers value ham radio's contributions to packet radio technology, low cost PACSAT satellite technology and other breakthroughs or even the unbelievably extensive public service of volunteer ham operators?

If all this isn't gloomy enough, restrictive antenna ordinances (the private ones NOT covered by PRB-1) are establishing defacto prohibitions on HF ham operations, at the same time that we are losing our VHF and UHF allocations.

Do we need VHF or UHF frequencies? You had better believe we do! Wide band modes such as ATV and high speed packet are only allowed at UHF frequencies. Packet networks and conventional voice repeater links and control circuits operate on these frequencies. Even if you do not personally use these frequencies, chances are good that the FM voice repeaters or the packet BBS station that you rely upon, all use these frequencies. Further, our future growth and experimentation of new technologies absolutely depend upon the availability of adequate spectrum. Even if you don't see the personal need for these frequencies, the Amateur Radio Service as whole is utterly dependent on these allocations for its future existence.

The Solutions?

Part 15 devices to save us?

Most hams do not realize that virtually all of our VHF and UHF bands are shared allocations, generally allocated to other services such as military radar. In effect, these are 'junk' bands that are incapable of serving the needs of paying customers.

We also share several UHF and SHF bands with unlicensed Part 15 devices, and strangely, the 'junk' nature of these bands may actually save them for ham radio. For example, 902-928 and 2400-2450 MHz are shared 'junk' allocations used also by Part 15 and Industrial, Scientific and Medical transmitters. For example, ordinary microwave ovens operate at 2450 plus or minus 50 MHz.

Right now, nearly a dozen companies are selling or will shortly be selling 1 watt high speed data transceivers in the 902 MHz band. These units operate spread spectrum and have claimed ranges of up to 10 miles; external antennas are allowed. Meanwhile, other companies are building digital cordless telephones on top of this technology. Since these data transceivers operate at a 200 kbps rate, its easy to use them as a basis for long range digital cordless telephones. I suspect we will see the first digital cordless phones, with a 2 to 5 mile range, costing $400-$500 dollars by mid-1991, with shipping units by Christmas of 1991.

Other applications include non spread spectrum, very short range, wireless connections between VCRs and TVs throughout the house.

Date: 01 Jul 90 18:32
Message-ID: <2451@KD7NM>
From: KF7VY@KD7NM
To: ALL@ALLUSW
Subject: Hams to lose UHF freq? 4/5
Path: WD6CMU!W6CUS!KA6FUB!N6ECP!AL7IN!WB7VMS!N7DXT!N7JQK!W0LVJ!KD7NM

Fortunately, the FCC made it very clear that the Part 15 devices are 3rd class citizens here and must put up with interference. Especially noteworthy is that these Part 15 devices will be interfering with each other! In effect, the FCC has recognized that these are 'junk' bands and this may actually help save these bands for ham radio use too (but note that we may already have lost access to 920-928 MHz - see below).

Furthermore, there isn't any reason why a licensed ham radio operator couldn't add a 50 watt amplifier to one of these units and end up with a low cost, mass produced high speed digital data network - unless of course, the FCC bans the sale of 900 MHz amplifiers, just as they banned the sale of 10/11 meter amplifiers!

Increase our Numbers

Ham radio must increase its number of licensees. Between 1980 and 1990, ham radio grew at an average annual growth rate of 2%. That compares to growth in other radio services of many tens of percent per year. Since we are all competing for the same spectrum, guess who wins the request for more spectrum and guess who loses?

The issue over a no-CW class of ham radio license isn't one over whether or not a CW-illiterate license will obliterate ham radio. The choice is whether or not we want to share our VHF and UHF frequencies with licensed ham operators who have passed a technical exam but no CW test, versus losing those frequencies within the next few years to Landmobile and other services who are starving for allocatinos. Most of us would at least like to continue to have access to some of that spectrum versus having industry slam the door in our faces.

The FCC, actually, has been extremely supportive of ham radio. But, based on our relatively low numbers, they cannot continue to justify our radio allocations against the demands of other services. The CW-illiterate license proposal may be their last opportunity for the Amateur Radio Service to kick us into significant growth. If this fails, or if the growth fails to materialize, there are literally hundreds of other services waiting for those frequencies.

The ICOM advertising department has perhaps seen another alternative to help spurn ham radio growth: during the past year or so, their ads have deliberatly emphasized hamming as an activity appropriate for the entire family. Not just Dad, but Mom and the kids too. Maybe the view of hamming as a life-of-leisure, sit back and talk to the world for hours on end, has become dated. Today, when Dad and Mom both work just to meet the mortgage payments, hamming is way to keep in touch and to enjoy social contact on the daily commute. We need to explore new concepts as to what, exactly, ham radio is going to become in the coming decade and in the next century.

Date: 01 Jul 90 18:39
Message-ID: <2452@KD7NM>
From: KF7VY@KD7NM
To: ALL@ALLUSW
Subject: Hams to lose UHF freq? 5/5
Path: WD6CMU!KA6FUB!N6ECP!AL7IN!WB7VMS!N7DXT!N7JQK!W0LVJ!KD7NM

Turn the ARRL into a political organization?

The ARRL must increasingly turn itself from a fraternal organization to a politically active organization, similar to the Sierra Club or the Aircraft Owner's and Pilots Association. These organizations both do an excellent job of motivating their memberships to write Congressman and to take an active role in preservering either the environment or access to the nation's airspace, respectively. The ARRL is currently very poor in this regard and needs to focus attention in QST and elsewhere on the real life political issues facing ham radio today. Most hams are largely oblivious to the technologies and political forces that will be raining upon us during the next decade.

The ARRL is our only national representative. I fear that in the next 1 to 2 years, ham radio may lose additional UHF frequencies (portions of 902-928 MHz, especially 1240-1300 MHz, very likely 420-430 over the rest of the U.S., and potentially even 440-450 if military radar goes away) and that this could result in a backlash against the ARRL, and the rise of a second national ham radio organization. It is not at all clear that 2 voices would be better than one.

What to do?

I strongly urge you to discuss these issues with your ARRL Division Director and ARRL Section Manager and certainly other ham operators. Let's get the ball rolling and let's meet the challenges of the 1990's head on. Most of all - DO SOMETHING! Ask yourself that famous question: What are you, personally, doing to help promote Amateur Radio?

I welcome your thoughts and comments,
Ed Mitchell
KF7VY @ KD7NM.#WWA.WA.NA.USA

P.S. During the weeks that I have written this note, the
'hot' topics on the packet BBS network have been:
- code versus no code
- handicapped access without 13 or 20 wpm code
- closed repeaters

All of these are important issues. However, I fear that we
are putting an enormous amount of emotional enery into
arguing about the quality of each tree - while the entire
forest is rapidly being cut down to make way for a new
development!

Please, let's get some constructive dialogue going on the
basic issue of ham radio existing at all!

----------------------------END...AR-----------------------

PLEASE REpost as you choose.........
tnx,

```
***************************************************************************
*  Intelligent people talk about ideas.   | Standard disclaimer(s)        *
*  Average people talk about things.      | Millard J. Edgerton, WA6VZZ   *
*  Small people talk about other people.  | millard@eos.arc.nasa.gov      *
***************************************************************************
*           Fax 415-604-3950              |      Voice 415-604-3480       *
*      Employed by Sterling Software at NASA Ames Research Center.        *
***************************************************************************
```

From 173289111853716768
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-08 09:28:54 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <955@ke4zv.UUCP>
Date: 7 Jul 90 20:56:10 GMT
References: <30500577@ux1.cso.uiuc.edu> <:6=&.Y-@splut.conmicro.com>
<825@ke4zv.UUCP> <14954@ucsd.Edu> <SA#&_-@splut.conmicro.com> <954@ke4zv.UUCP>
<+F-&_0+@splut.conmicro.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group

Lines: 30
Posted: Sat Jul 7 21:56:10 1990

In article <+F-&_0+@splut.conmicro.com> jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard) writes:
>
[lots of stuff deleted]
>
>...or because all his available funds are tied up elsewhere, like a real
>Unix computer to put on the packet network.
>
>Face it, Gary...not all hams are rich enough to put money into
>high-powered radios for every car and base stations for every band. Some
>of us have other things to do for the advancement of the art.
>

Ok Jay, I admit I have a profound dislike for fighting marginal signals on a local repeater. Most of these problems seem to be related to using a HT with rubber duck in areas where they just don't work well.

I agree that not all hams are rich, Lord knows I'm not, but surely any ham worthy of the name can build a simple quarter wave ground plane antenna and permanantly fix it in a good spot at his home. And any ham should be able to install an outside antenna on his car and use it instead of the terribly inefficent rubber duck INSIDE the car.

There seems to be a mentallity in ham radio today that goes "The manufacturer put a duck on my radio and I don't dare change it."

If you have to rock back and forth in your easy chair to find the "hot spot" you need a better antenna and/or more power to properly work THAT repeater.

Gary KE4ZV

From -1327469112054176791
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,50f493f91c0a1155
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-08 09:48:53 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!att!cbnewse!parnass
From: parnass@cbnewse.att.com (Bob Parnass, AJ9S)
Newsgroups: rec.ham-radio
Subject: Re: Preliminary Agrement [sic] on 7 MHz for WARC-92
Summary: station listings 6.950 - 7.000 MHz
Message-ID: <1990Jul7.230229.26752@cbnewse.att.com>
Date: 7 Jul 90 23:02:29 GMT
References: <315.2693B42C@w8grt.fidonet.org>
Organization: AT&T Bell Laboratories, Naperville, IL
Lines: 34
Posted: Sun Jul 8 00:02:29 1990

In article <315.2693B42C@w8grt.fidonet.org>, jim.grubs@w8grt.fidonet.org
(Jim Grubs) writes:

> ... I know that the
> U.S. government, among others, makes use of that 6950-7000 slot.

Here are a few more stations in that range:

```
   6.9460    CKN_______Canada: Canadian Forces Maritime Radio, navigational bul
                       letins, cw
                       [Vancouver, BC] (B. Parnass)

   6.9500    RJK78_____Kiyev meteo, fax
                       [Kiyev, USSR] (others)

   6.9700    KC2XGF____Woods Hole Oceanographic, experimental
                       [Atlantic Ocean] (govt recds)

   6.9725    RXO_______USSR: Embassy
                       [Warsaw, Poland] (magazines)

   6.9815    CCS_______Chile: Chilean Navy, sending coded msg in 5 letter group
                       s, cw, 12/02/86 @0215Z
                       [Santiago, Chile] (B. Parnass)

   6.9840    GIC26B____Associated Press, rtty 50 baud 425Hz rev 1758-0605Z
                       [London] (magazines)

   6.9930    CVK69_____Associated Press, rtty 50 baud rev 2307-0028Z
                       [Montevideo, Uruguay] (magazines)
```

```
--
============================================================================
Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihuxz!parnass (708)979-5414
```

From -7857598117112967785
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9aa14f29871d0cad,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-08 09:51:54 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.UUCP (Constructive Frivolling)
Newsgroups: rec.ham-radio
Subject: loss of frequencies
Keywords: yes, but...
Message-ID: <33530@ut-emx.UUCP>
Date: 8 Jul 90 00:51:20 GMT
Organization: The University of Texas at Austin, Austin, Texas
Lines: 46
Posted: Sun Jul 8 01:51:20 1990

millard@eos.UUCP (Millard Edgerton) says:

The following was posted to Packet Radio by Ed Mitchell, formerlly [sic]...

As you know, ham radio recently lost 2 MHz of spectrum at 220-222 MHz. But did you know that in roughly the last TEN years, ham radio lost an astounding 91 MHz! That works out to 9 MHz per year from 1980 to 1989, making 1989's loss of 220-222 MHz a very good year for ham radio.

Between 1980 and 1989, the U.S. Amateur Radio Service lost forever, a total of 117 MHz of spectrum in the VHF/ UHF region alone:
420-430 MHz north of 'Line A'.
1215-1240 MHz .
2310-2390 MHz.
220-222 MHz.
The only good news is that we did get 902-928 MHz, for a net loss of 'only' 91.00 Mhz.

This is undoubtedly a serious problem, but it's downright silly talking about how many MHz we have won or lost. Fractional frequency is all that counts. I would gladly give up 20 MHz of allocation around 2300 MHz in return for even a solid 20 MHz elsewhere - e.g. everything from 10-30 MHz. Or even better, everything from 1-21 MHz (0-20 MHz would be fine too).

If you believe this line of reasoning, the powers that be could wipe out our 14-14.35 MHz band and give us 2390-2391 instead - "hey look, we gave you nearly 3 times as many MHz, be grateful".

I don't mean to belittle the problem, but I can't read >300 lines of posting that starts out with an argument like that. It's just asking not to be taken seriously.

end pet peeve mode...

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
oo7@emx.utexas.edu

From -4305811548312485783
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd0ff1cf93ec4443,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-08 09:58:28 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!decwrl!ucbvax!HICKAM-EMH.AF.MIL!

1843eie
From: 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE")
Newsgroups: rec.ham-radio
Subject: Autek QF-1A audio filter manual needed
Message-ID: <9007080201.AA00937@uunet.uu.net>
Date: 8 Jul 90 02:00:39 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 26
Posted: Sun Jul 8 03:00:39 1990
X-Unparsable-Date: 7 Jul 90 15:59:00 GMT-10:00

INTEROFFICE MEMORANDUM

Date: 7-Jul-1990 03:53pm HST
From: 1843EIG/EIE
1843EIE
Dept: 1843EIG/EIE
Tel No: 656-1158

TO: Remote Addressee (_INFO-HAMS%UCSD.EDU@UUNET.UU.NET)

Subject: Autek QF-1A audio filter manual needed

Hi folks,

Just picked up an Autek Research QF-1A Audio Filter for a song...only problem was that the previous owner didn't have any docs for it. Anybody out there in netland have a manual/schematic for this little jewel?

E-mail me direct at 1843EIE"at"Hickam-EMH.AF.MIL. All copying and postage costs gladly repaid.

73,

Jeff Miller   WD6CQV/KH6   AFA8JM

From -755070675573659475
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31a77bf2d31630b2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10d431,c16b07885523e0ce
X-Google-Attributes: gid10d431,public
X-Google-ArrivalTime: 1990-07-08 10:05:09 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!att!hriso!attdso!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: Conversation with K2EEK, Editor CQ Magazine (Long)
Message-ID: <877@ssc.UUCP>

Date: 8 Jul 90 00:20:12 GMT
References: <1990Jul4.041831.24933@kodak.kodak.com> <24981@bellcore.bellcore.com>
<16324@frog.UUCP>
Organization: SSC, Inc., Seattle, WA
Lines: 19
Posted: Sun Jul 8 01:20:12 1990

In article <16324@frog.UUCP>, john@frog.UUCP (John Woods) writes:
> In article <24981@bellcore.bellcore.com>, jdn@casux4.uucp (jonathan nagy)
writes:
> > On the other hand, I am reminded of the quotation:
> > "No one ever lost money underestimating the intelligence of the
> > American Public." Could this also be true for the Amateur
> > Radio public at large and CQ's readership?
>
> Well, the "Big Three" US automakers lost billions of dollars doing just
> exactly that, once they had carefully crafted the market research
> organizations in such a way that they confirmed exactly what was already
> believed.

Closer to home, the Ziff-Davis company tried 2 or 3 times to "broaden"
the appeal of "Popular Electronics". Since the "Modern Electronics" staff
was formed by veterans of this, maybe the editor at CQ should talk to
the people across the hall.

Mark Zenier
markz@ssc.uucp

From 7479117905847288567
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,211b1e0a60b84b9e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-08 10:11:07 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Dentron dummy antenna oil leak warning
Keywords: warning, oil on rug
Message-ID: <103123@philabs.Philips.Com>
Date: 8 Jul 90 01:41:42 GMT
Sender: news@philabs.Philips.Com
Lines: 28
Posted: Sun Jul 8 02:41:42 1990

copied from packet:
```
 Msg# TSF  Size #Rd  Date  Time From   MsgID        To
29945 BF   2084   1 05-Jul 2138 K2OL   19949_WA2UMX NYBBS@NYNET ()
```

```
  TO   : ALL
  FROM : WB2KLD
  RE   : WARNING
```

WARNING: OIL LEAKAGE FROM DENTRON CORPORATION "BIG DUMMY" DUMMY LOAD. DONT LET OUT OF SIGHT BE OUT OF MIND! MY DENTRON "BIG DUMMY" DUMMY ANTENNA, A ONE GALLON METAL CONTAINER SIMILIAR TO A PAINT CAN,FILLED WITH A SILICON BASED COOLING OIL, HAS SAT TUCKED UNDER THE OPERATING POSITION DESK. A ROTARY SWITCH BROUGHT IT ON LINE WHEN NEEDED FOR TUNING OR TESTING. RECENTLY, THE RIG WAS ERRATIC WHEN OPERATED INTO THE DUMMY LOAD. PHYSICAL INSPECTION REVEALED A VERY LIGHT CAN AND AN OIL SOAKED RUG. THE CAN HAD CORRODED THRU FROM THE INSIDE, POSSIBLY A POOR TIN COAT FROM THE MANUFACTURE OF THE CAN. THIS IS NOT, REPEAT NOT, A RUST THRU FROM THE OUTSIDE OF THE CAN! IF YOU OWN SUCH A DEVICE, I STRONGLY SUGGEST YOU PLACE THE DUMMY LOAD INTO A PLASTIC BUCKET OR OTHER CONTAINER OF VOLUME ENOUGH TO HOLD THE CAN AND ITS CONTENTS. MY CAN HELD A SILICON BASED COOLANT. VERY EARLY UNITS, OR HOMEBREW UNITS OF EARLY VINTAGE MAY CONTAIN PCB LADEN COOLANT! USE ALL APPLICABLE CAUTION. THE HEATH COMPANY PRODUCED A SIMILIAR PRODUCT CALLED A "CANTENNA". WIDEST DISSEMENATION THRU THE AMATEUR COMMUNITY IS REQUESTED. TOM VALOSIN WB2KLD SCHOHARIE COUNTY RACES RADIO OFFICER/ARRL COUNTY E.C.

^^^ END of message from WB2KLD

From 1136476516375438463
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b260e4ab84dd4d4
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f44bc,8154bedfc6cb8dbc
X-Google-Attributes: gidf44bc,public
X-Google-ArrivalTime: 1990-07-08 10:17:37 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: How to deal with TVI
Summary: RF Ground
Message-ID: <878@ssc.UUCP>
Date: 8 Jul 90 02:09:28 GMT
References: <1990Jun28.172135.11814@lopez.UUCP> <1250182@hpnmdla.HP.COM>
Organization: very little
Lines: 55
Posted: Sun Jul 8 03:09:28 1990

>
> Could someone please explain to me through what magic a "good ground"
> can cure/prevent TVI? I have seen this claim many times through the
> years, sometimes in reputable ham publications, but I believe it to be
> a total crock.

Why?

>
> For one thing, unless your ham shack is sitting right at ground level
> with a VERY short ground cable, the equipment won't be at RF ground in
> any case (4 feet is 1/8 wavelength at 30 MHz). On VHF/UHF, where the
> TV channels are, it's even worse.

I have my radio room in the corner of the basement for just this reason. My ground system is a series of commercial ten foot ground rods in treated soil, just outside the basement wall. They are tied together with wide copper strap, which runs through the wall, and is bolted to the chassis of my linear amplifier, antenna tuner, and exciter.

You will never get your ground connection EXACTLY AT ground, but the closer the better.

>
> For another thing, so what if you COULD get the station equipment right
> at RF ground potential. It's the antenna that does most of the radiating,
> if your antenna system is working correctly.

Let us suppose that you have various filters in the signal chain, including a bandpass filter at the exciter and a low pass filter between the exciter and the final amplifier, and at the output of the linear. Part of those filters involve capacitors which shunt energy to ground. Isn't it better to have GROUND connected to the ground side of the filter, rather than nothing at all?

>
> Seems to me that shielding, filtering, and reducing the RF field in the
> vicinity of the TV set and antenna are the things to try.
> Grounding is a red herring.
>

Why?

How effective is a filter which includes a ground as part of the design, if you leave it UNGROUNDED?

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 8954127662644418661
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16d0a1d7bde0f8ce
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,16d0a1d7bde0f8ce
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-07-08 10:25:22 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!uc!shamash!

vtcqa
From: vtcqa@shamash.cdc.com (VTC)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: HAM RADIO IN DANGER
Keywords: Ham-Radio, Packet
Message-ID: <23303@shamash.cdc.com>
Date: 8 Jul 90 07:12:59 GMT
References: <6897@eos.UUCP>
Reply-To: vtcqa@shamash.UUCP (Jeff Comstock - VTC)
Followup-To: /dev/null
Organization: Control Data Corporation, Arden Hills, MN
Lines: 4
Xref: gmdzi rec.ham-radio:12713 rec.ham-radio.packet:2497
Posted: Sun Jul 8 08:12:59 1990

Lets get optimistic: Most of the stuff on the hf bands you hear is going to be replaced with satellite communications. I know for a fact that this is true for maritime mobile. Wouldnt an extra 10 or 15 mhz in the hf bands be a nice acquisition ?

From 6446357045409639416
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d7f30bd31055fbec,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-08 10:32:46 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!SC.INTEL.COM!RHAREL%FAB8
From: RHAREL%FAB8@SC.INTEL.COM ("RICHARD HAREL ")
Newsgroups: rec.ham-radio
Subject: NEED HELP W/MOTOROLA MX330S !!!
Message-ID: <9007080829.AA25478@ucsd.edu>
Date: 8 Jul 90 08:27:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Sun Jul 8 09:27:00 1990

A few months ago I posted a message asking for help re: a Motorola MX330S
which I picked up at the Dayton Hamvention this year.
Someone was nice enough to answer - letting me know that it can be programmed
on the ham bands for free - however left no TELEPHONE NUMBER where I can get
hold of this person. The return address on E-Mail for some reason did not go
through.
The person who posted the reply was part of the Motorola Ham Group in Florida.
Are you reading this ??? Or if anyone out there in Net-Land can help with info
as to where I can program the PROM of the MX330S - Please let me know.
Thanks on 73,
Richard Harel
WB2JBS/4X1DA

From 6461759285612834436
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,afeffa02c1019a9e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-08 11:51:42 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!applelink.apple.COM!D1749
From: D1749@applelink.apple.COM ("Disini SW, Emmanuel Disini,PRT")
Newsgroups: rec.ham-radio
Subject: E-Mail via Radio/MicroWave?
Message-ID: <5969518@AppleLink.Apple.COM>
Date: 8 Jul 90 16:48:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Sun Jul 8 17:48:00 1990

Does anyone know of a cheap way to connect multiple sites (200-2000) within a 15 mile radius to a central site using radio/microwave are some other sort of technology? What I'd like to do is setup a multiline (16 lines) E-Mail System in Metro Manila, and have the modems (1200 baud is fine) connect to some sort of radio/microwave rcver/txmitter, that sends data through the airwaves onto some low-cost (>$1000) rcver/txmitter at the remote end. Ideally, the system should work fine even during thunderstorms.

Why not just do the obvious thing and use phone lines? Because the average waiting time here (for a line) is about 5 years!   And if you think that's bad, consider this: PLDT (phil. long distance tel.) service is so notoriously slow, phone lines have actually become a commodity and go for about US$1,500 per line. That's about 3x the income of an average Filipino! Why just today, I was talking to a friend who's had her application in since 1967 and only last week had the line allocated - honest!

If anyone has any suggestions, please send me some E-mail directly, as I haven't subscribed to this group!

thanks,
Joel Disini
Manila, Philippines
d1749@applink.apple.com

From 9127605953918152487
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7596f1ebb9176430,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-08 13:26:10 PST
Path: gmdzi!unido!mcsun!uunet!samsung!know!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!zardoz.cpd.com!dhw68k!daveegan
From: daveegan@dhw68k.cts.com (Dave Egan)
Newsgroups: rec.ham-radio
Subject: Kenwood TS140s computer interface ?
Message-ID: <1990Jul8.202610.2283@dhw68k.cts.com>
Date: 8 Jul 90 20:26:10 GMT
Reply-To: daveegan@dhw68k.cts.com (Dave Egan)

Organization: Wolfskill & Dowling residence; Anaheim, CA (USA)
Lines: 24
Posted: Sun Jul 8 21:26:10 1990

Hello fellow amateur/netters. In my quest to avoid "voodoo radio" as quoted by others, I've been seriously eyeing some information that came over the net in April, 1990. It was a quick and dirty sheet of parts needed to construct a computer interface for a Kenwood TS440s. The instructions told of the main parts needed, some various jumper changes, and the instructions to send the radio to control it from the computer. This originated from Mark C. DiVecchio - K3FWT and was put on the net by Thomas Brown - KA2UGQ.

My problem is: I have a Kenwood TS140s and am very inexperienced in designing stuff (electronics).

I hope somebody out there has done this hardware for the TS140s and can give me a little more help. I don't mind learning how to do it (that's why I'm interested), but I realize that my ignorance can cause damage. Software is my domain. If somebody has the tips, or wants to work through it with me, please mail me. If I anyone wants responses on what I find, please mail and I'll re-post to the Net.

Thanks in advance.
--
```
Dave Egan                                         | Radio: N6XVZ
      uucp: ...{spsd,zardoz,felix}!dhw68k!daveegan  |
  InterNet: daveegan@dhw68k.cts.com                 |
"I knew someone who went in for liposuction & left with a lobotomy"
```

From 1259375592001175221
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16d0a1d7bde0f8ce
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-08 13:34:00 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: HAM RADIO IN DANGER
Message-ID: <30500589@ux1.cso.uiuc.edu>
Date: 8 Jul 90 20:34:00 GMT
References: <6897@eos.UUCP>
Lines: 26
Nf-ID: #R:eos.UUCP:6897:ux1.cso.uiuc.edu:30500589:000:1212
Nf-From: ux1.cso.uiuc.edu!phil   Jul 8 15:34:00 1990
Posted: Sun Jul 8 21:34:00 1990

> Lets get optimistic: Most of the stuff on the hf bands you hear is going to
> be replaced with satellite communications. I know for a fact that this is
> true for maritime mobile. Wouldnt an extra 10 or 15 mhz in the hf bands be
> a nice acquisition ?

Let's get REALISTIC!

As most everything else slowly moves off shortwave, there will be lots of this spectrum for grabs. But the Shortwave Broadcasting service is going to end up with most of it. Hams themselves are going to get some, but nothing near 10 or 15 Mhz.

As a shortwave listener, I actually look forward to more SWBC spectrum. As a ham I'd also like to see us get more, even though my interest in shortwave is primarily as a listener. Nearly ALL of my hamming is on VHF and above.

However, amateur radio is going to be judged. Those who are making the decisions to allocate spectrum are surely not interested in allocating any spectrum to the "shout, cuss, and QRM" service. While VHF and up has these problems as well, we hear them in HF, and everyone else in the world does, too.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 1477078383974188168
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5739b9a1a8f4f635,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-08 14:28:18 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!utgpu!cunews!bcars8!bnrgate!bcarh342!mleech
From: mleech@bcarh342.bnr.ca (Marcus Leech)
Newsgroups: rec.ham-radio
Subject: Needed--1350MHZ VFO
Keywords: UHF Oscillators synthesis
Message-ID: <1990Jul8.210023.22483@bnrgate.bnr.ca>
Date: 8 Jul 90 21:00:23 GMT
Sender: news@bnrgate.bnr.ca (USENET News Administration)
Organization: Bell-Northern Research, Ltd. Ottawa Ontario CANADA
Lines: 22
Posted: Sun Jul 8 22:00:23 1990

I'm the middle of design/fabrication of a 21cm interferometer for
  Amateur Radio-Astronomy. I find that I need a 1350MHZ VFO to generate
  a 70MHZ I.F. for the input frequency of 1420MHZ.
I'm considering several L.O. designs:

PLL-synthesized VFO with stripline oscillator and a doubler.

Conventional VCXO with several multiplier stages.

135MHZ VCXO with a single S.R.D. comb generator, and a couple of stages of
  BandPassFiltering/Amplification to pick off the appropriate harmonic.

I only need a few megahertz (let's say 2.5MHZ in either direction) of tunability.

Having never built such an L.O. before, I'm hoping someone can point me at
  a resonably simple design that I can steal ideas from, or simply "scale"
  to the desired frequency.
Thanx in advance

```
-----------------
Marcus Leech, 4Y11             Bell-Northern Research  |opinions expressed
mleech@bnr.ca                  P.O. Box 3511, Stn. C   |are my own, and not
VE3MDL@VE3JF.ON.CAN.NA         Ottawa, ON, CANADA      |necessarily BNRs
```

```
From 3359071420691344320
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4eb71e843d4dd83,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-08 14:40:41 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!OAC.UCLA.EDU!CSMSCST
From: CSMSCST@OAC.UCLA.EDU (Chris Thomas, AA6SQ)
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V1 #69
Message-ID: <9007082120.AA20670@ucsd.edu>
Date: 8 Jul 90 19:41:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 62
Posted: Sun Jul  8 20:41:00 1990
```

```
> Okay experienced amateurs, I've a question for you.  On the 4th, I was tuning
> around and found what my inexperienced ears thought was a beacon.  It was a
> fast CW code that repeated.  The details are:
>      Freq:   6.477 mhz  - CW   (-2kc for USB and +2kc for LSB)
> Msg:    VVVKPHQSX468121622MHZ  (repeats over and over)
=============================
> The correct parsing is:
>
>   VVV (de) KPH QSX 4 6 8 12 16 22 MHZ
=======================
> KPH is a ship-to-shore coastal station in California.  I have
> found it on other frequencies also:
>
> RCA Global Communications, maritime/coastal, cw
>                        [Bolinas, CA]_______    4.3560____KPH       (govt recds
>               "          "                    13.0020____KPH       (B. Parnass
>               "          "                    17.0165____KPH       (B. Parnass
>               "          "                     6.5005____KPH       (B. Parnass
```

KPH is a maritime costal station located in the San
Francisco area. (Since the transmitters and receivers are
generally seperated by 10-200 miles for such stations,
"location" is not a single value.) Facilities at these

stations are often quite impressive; worth seeing if you happen by one. These stations relay traffic (eg, telegrams) to and from shipboard stations on a commerical basis. When not in QSO with a ship, they generally transmit a continuous loop of CQ or VVV, callsign, and the frequencies that they are montioring. Thus, QSX 4 6 8 12 16 22 MHZ means KPH is currently monitoring (and probably simulcasting) on its assigned frequency in each of those 6 bands. Ships reply on paired frequencies generally about 100-200 khz removed from the shore frequency. Ship stations are generally half duplex or breakin, while the shore station is generally full duplex. The purpose of the loop is to allow a ship station to select the frequency with the best signal at a given time. (Wouldn't that be neat for working DX?) It also keeps intruders off the frequencies. In addition to the CQ loop, you will hear traffic lists (lists of 4-letter ship callsigns) for whom the station is holding msgs, and weather reports. While the CQ loop may be slow, most of these ops can send and copy CW fast enough that it sounds like RTTY, probably while eating lunch and carrying on a converstaion - these guys are pros.

Unfortunately (at least for CW buffs), CW comms for maritime mobile services are rapidly dying out, having been replaced by low-skill automated RTTY and satellite comms. You will hear less and less of these stations in the future, and the MM ship-shore frequencies will probably be reallocated to other services.

For detailed info on these and other utility stations, I recommend Klingenfuss' book "Guide to Utility Stations", available from ham store and mailorder bookstores. For example, he lists about 23 frequencies for KFS. He has a callsign to location cross ref which is neat for figuring out where things you hear are. There is also a lot of freq allocation info, including ship/shore frequency pairing.

```
From 4788727551178073130
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,41d4f0b52d59021c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-08 15:41:10 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!
orion.oac.uci.edu!ucivax!ucla-cs!smcnet!lawrence
From: lawrence@smcnet.smc.edu (Lawrence Roney, Telecomm Dept)
Newsgroups: rec.ham-radio
Subject: IC-24 Transmit mods?
Message-ID: <1990Jul8.212010.26664@smcnet.smc.edu>
Date: 8 Jul 90 21:20:10 GMT
Sender: lawrence@smcnet.smc.edu (Lawrence Roney)
Organization: Santa Monica College, CA 90405
```

Lines: 12
Posted: Sun Jul 8 22:20:10 1990

I have see a few postings about the mods for extending the receive side of the IC-24AT. Does anyone have the mods for the transmit end. I am particulary interested in the 154.000 Mhz commercial area since that is the gear that I service.

Thanks in advance.

```
--
-------------------------------------------------------------------------------
Lawrence Roney - Santa Monica College Telecommunications Department
N6YFN          1900 Pico Blvd., Santa Monica, CA 90405-1628
Mail       UUCP: uunet!ucla-cs!smcnet!lawrence   Internet: lawrence@smc.edu
```

From -8514775961666336961
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,418ba5213afe5e7c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-08 21:57:15 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes, 7/6/90
Message-ID: <1556@n8emr.UUCP>
Date: 9 Jul 90 01:59:46 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 193
Posted: Mon Jul 9 02:59:46 1990

```
==============================================================
|        Relayed from packet radio via                       |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ RTTYDX $RTDX0706
RTTY DX Notes, 1of3, 7/6/90

RTTY DX Notes for Weekending 6th June 1990.
Part 1 of 3.
BID: $RTDX0706

I have noticed of late, and for some time, that a lot of people are not using their callsigns during a QSO. One sits for many minutes watching a QSO (it maybe good DX) only to see it go back and forth with no calls, and even in the signoff it is a case of bye bye, crash. I am talking about RTTY and AMTOR. I am not sure about packet. But where have all the callsigns gone? In VK we have to give our calls every 10 minutes. Not all of us do, but we should, and that is why we have a callsign so that people can identify us.

We wish to thank the following for sending us DX information for the past week. Thank you all. The DX notes without you would be a blank page. Thanks to I5FLN, I5ICY, I5IOQ, JG1NDB, JH1BLV, JH1QDB, OD5NG, TG9VT, W2JGR and the Tri-State DX Association VHF packet cluster.

Bandpass

Friday 29

5N0ETP	14085	at	0017Z	
J73WH	14090	at	0023Z	
RF6FC	14087	at	0305Z	
JY9SR	14088	at	0306Z	
YL20LSF	14090	at	0430Z	QSL
FY4FS	14082	at	1303Z	
RF1F/UA3TT	21087	at	1340Z	Note
BY1BY	14088	at	1352Z	
T5RM	14076	at	1507Z	ARQ
PY0FF	21094	at	1740Z	QSL
VP2C/K2MI	14082	at	2200Z	

Saturday 30

FY4FS	14085	at	0050Z	
VK0DS	14077	at	0840Z	ARQ/QSL
BZ4DAB	21086	at	1443Z	
C31SD	14089	at	1607Z	
5N0ETP	21082	at	1810Z	
PJ8DFS	21089	at	2028Z	
JY9SR	21086	at	2041Z	
EA9MY	21082	at	2150Z	
J73WA	21092	at	2216Z	QSL

Continued in part 2.
/EX
SB RTTYDX @ RTTYDX $RTDX0707
RTTY DX Notes, 2of3, 7/6/90

RTTY DX Notes for Weekending 6th June 1990.
Part 2 of 3.
BID: $RTDX0707

Sunday 1

EA6ZP	14090	at	0038Z	
VU2DPG	21079	at	0115Z	FEC

A41JW	14080	at	0150Z	
HV3SJ	14086	at	0400Z	
RF1F/UA3TT	14085	at	0449Z	
8P6RY	14082	at	0450Z	
EA9MY	14085	at	0600Z	
FM5FA	21085	at	2005Z	QSL
JY9SR	21083	at	2007Z	

Monday 2

J73EH	14084	at	0103Z	
PZ1BS	14082	at	1154Z	
YL1IHF	14087	at	1224Z	QSL
ZS2A	14076	at	1336Z	ARQ
A41KB	14073	at	1424Z	ARQ
EA9MY	14083	at	2250Z	
CO2BB	14085	at	2250Z	
5N0ETP	14087	at	2359Z	

Tuesday 3

YL1IHF	14087	at	0040Z
UQ2HO	14087	at	0107Z
SV2WT	21088	at	1552Z
EA6PZ	14082	at	2055Z
5N0ETP	21083	at	2314Z

Wednesday 4

SU1HN	14088	at	0024Z
LY2WW	21086	at	0026Z
A45IZ/A	14088	at	0130Z
RF6FC	14088	at	0254Z
SV2WT	14084	at	0453Z
TJ1MW	14083	at	0650Z
YL1HF	14083	at	0650Z

Thursday 5

EA6PZ	14091	at	0035Z
SU1HN	21086	at	0052Z
YL1IHF	14082	at	0305Z

QSL Information.

YL20ISF will QSL via Box 50, Riga 226010 USSR.

PY0FF says to QSL via W9VA.

VK0DS will QSL via the bureau when he returns home either December or January.

J73WA, Wayne, 40 Rodney Street, Portsmouth, Commonwealth Of Dominica, Caribbean.

FM5FA will QSL via AJ3H.

YL1IHF will receive his cards via YL1ZW callbook address.

J39BS says to QSL to WB2LCH.

A41KB will QSL via ON6BY.

Continued in part 3.
/EX
SB RTTYDX @ RTTYDX $RTDX0708
RTTY DX Notes, 3of3, 7/6/90

RTTY DX Notes for Weekending 6th June 1990.
Part 3 of 3.
BID: $RTDX0708

Notes of Interest.

VK0DS, Dave, is situated at Mawson Base. He has just started on AMTOR, and is anxious for contacts.

RF1F/UA3TT is about to leave his present QTH, but will be back in September.

P29BT has informed that he hopes to be up on RTTY shortly.

Seychelles. JG1NBD says that he will go to S79 from September 13th to 17th and will be QRV on RTTY.

Ogasawara. JH1QDB informs us that he will sign /JD1 from September 23 to 30th and will be active during the W.W. RTTY Contest. This will be a mainly RTTY operation. QSL to his home address.

Sudan. WZ6C currently holds ST4/WZ6C call and is based in Khartoum. He is looking for a loan of a PK232 or something that will get him on RTTY. He will return to Sudan around 10th July, so if any help is forthcoming, contact him on phone/fax 615-323-4433.

Malpello. HK0 is hoped for in January. RTTY operator will be HK1LDG, who needs assistance with gear, TONO, rig, aerials, etc. Contact him at Box 2624, Baranquilla, Colombia.

I do not want to dishearten you all, but Gin San ,JA1ACB, has just received accreditation for 301 confirmed. He also holds cards for 6 more confirmed, with 5 to come. Congratulations Gin San. Oh well, I think I will stop now, with just over 250.

GL DE DX1.

Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA. Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.
/EX
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From 9106221678256275366
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc761445254ca88b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-08 23:04:30 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: Gateway - QEX Jul 90 p 1 of 7
Message-ID: <1557@n8emr.UUCP>
Date: 9 Jul 90 02:52:33 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 653
Posted: Mon Jul 9 03:52:33 1990

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|        Relayed from packet radio via                      |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

QEX - The ARRL's Experimenters Exchange - GATEWAY Column - July 1990
Edited By Stan Horzepa, WA1LOU - 75 Kreger Drive - Wolcott, CT 06716
Part 1 of 7

WO-18 CCD CAMERA IRIS SETTINGS EXPERIMENTS

For the past several weeks, WEBERSAT-OSCAR-18 (WO-18) has been sending three to four pictures daily from outer space. This continuous stream of imaging data has been part of an ongoing experiment by the students at Weber State University to characterize the amount of natural light which enters the CCD camera for the various iris settings. The goal of this experiment is to find the proper settings for the camera iris for a particular light level in order to improve the overall picture quality.

With the integration of the on-board Earth sensors in the current software, the occurrence of overexposed pictures or totally dark pictures taken when WO-18 isn't pointing at Earth is no longer a problem. Chris Williams, WA3PSD, says that the painstaking task of manually setting the iris from the ground and observing the results will help software engineers in the future as they continue to understand the CCD camera operation. "The early days of random picture taking are gone," according to WA3PSD.

There are 256 possible iris settings which ground controllers can command. A "zero" setting completely closes the iris and a "255" setting opens it wide. The result of this experiment will be a look-up table in WO-18's software which will say "for this light level, use this iris setting." For those wishing to take part in this experiment, WeberWare version 1.0 is currently available from the AMSAT Software Exchange. Contact the Exchange at 301-589-6062 for further information.

from AMSAT

NORTH EAST DIGITAL ASSOCIATION FILLING A NEED

The North East Digital Association (NEDA) was formed to support packet-radio networking in the Northeast. The association's main purpose is to maintain a reliable inter/intra-state packet network that is useful to Amateur Radio operators for emergencies, education and the fun of the hobby. Currently, NEDA's network extends throughout central New England and New York State.

NEDA is a member-supported organization. Members are those hams who feel that the cause of packet-radio networking is worth funding. The goals of NEDA are to form and maintain a reliable and consistent long distance packet-radio network, to educate Amateur Radio operators as to effective methods of long distance packet-radio network construction and operation (NEDA creates and distributes documentation; their 20-page introduction package is an instruction manual for using the network), to provide equipment for sites required to implement redundancy in the major backbones, to provide a common ground for different organizations that are doing long-distance packet-radio networking in the hopes of sharing resources (to achieve NEDA's goal of redundancy with minimum wasted effort).

New NEDA members receive a 20-page information package which includes basics of networking, network maps, instruction manual, who to contact, what it takes to make a node and information on NEDA's node configuration policy. After each quarterly Board of Directors meeting, NEDA sends a copy of the quarterly letter to voting members, supporting members, and clubs that are members. The quarterly includes the latest maps, Treasurer's report, Board of Director's meeting minutes and articles.

NEDA members may send an SASE at any time for copies of the current maps. NEDA maintains eight maps: a user port map and backbone maps for each of NEDA's divisions (Finger Lakes, Hudson, Massachusetts and New Hampshire). NEDA is also committed to generating documents on subjects related to network design and management. These are announced in the quarterly when they are available.

For information on supporting NEDA, send an SASE to PO Box 563, Manchester, NH 03105-0563.

from North East Digital Association

G8BPQ PCNODE VERSION 3.57 AVAILABLE

Version 3.57 of G8BPQ PCNode is now available and includes "multi-KISS," a protocol for operating multiple KISS TNCs on one serial port, improvements in the PK-232 host mode interface for AA4RE BB, an internal KISS interface for TCP/IP applications and several bug fixes. The software may be downloaded from CompuServe's HamNet as a self-extracting LHARC archived file called BPQ357.EXE.

MACINTOSH TCP/IP VERSION 2.0 READY

Version 2.0 of the Apple Macintosh TCP/IP software is now available with a number of enhancements, support for the new features found in the PC versions (including NOS) and bug fixes. The software may be downloaded via Internet using `anonymous ftp' from apple.com, in the directory `pub/ham-radio' or from the N6OYU landline BBS at 408-253-1309 (1200 to 9600 baud). You may also send a $5 donation to Doug Thom, N6OYU, (c/o Thetherless Access Ltd, 1405 Graywood Dr, San Jose, CA 95129-4778) to obtain a diskette containing the software.

from Doug Thom, N6OYU

QEX - The ARRL's Experimenters Exchange - GATEWAY Column - July 1990

Part 2 of 7

C-64 TERMINAL PROGRAM FOR BLIND HAMS

Jerry Johnson, K0QQS, wrote Packet Reader Program, a packet- radio terminal program for his blind friend, John Bloom, K0GCY, that uses a Commodore C-64 computer and Votrax Vo-Talker voice synthesizer. The software causes the synthesizer to read each letter or word as it is typed and to read packets as they are received. Received packets are buffered so that they can be repeated as needed. The program also uses the C-64's disk storage capabilities. For information on how to obtain a copy of the program, send an SASE to John Bloom, K0GCY, 1312 North Union, Fergus Falls, MN 56537.

from John Bloom, K0GCY

CONNECTIONLESS MAIL PROTOCOL AND MORE

It seems to me that the main use of our network is for the transfer of items of general interest (bulletins), first, and personal mail, second. Now this may seem a bit strange particularly when one could put a reasonable case that there are more personal messages generated than bulletins (I do not go along with this, but am willing to be convinced). The trouble is that personal mail has an origin and one destination, bulletins have an origin by N destinations where N is at least every PBBS in the country!

The majority of traffic is the sending of bulletins to every PBBS, ie, over and over again. This leads people, who think in terms of telephone lines, to say we must rationalize, we must stratify, more channels, more bands, etc. Can you not see the beauty of one channel with many stations listening, in other words, use the broadcast nature of our medium. Why must we always think in terms of telephone lines? We are not on the telephone, we are not in a one-to-one, origin-to-destination situation. We can broadcast. Think about it.

Anyway, after a year or so saying I really must do something about it and writing the specification outlined below, I have also started writing a simple terminal program/conferencing system/PMS/PBBS (I haven't quite worked out what it will be yet). One of this program's features is that it listens to the channel and tries to generate messages out of the many copies of a bulletin that are sent. It turns out that it receives between 50 and 90% of all the messages that pass by it on any particular pass through depending on who is sending what to whom locally. This means that there are four local sub-PBBSs and also the original feeds to our local NTS station that I can get 95% or more of my bulletins directly from without actually being connected at any time.

I must say at this point that I don't necessarily believe that we need only one channel. Trunking should occur elsewhere, but I do believe that we should start thinking about what we are using, its nature and use the properties of our medium to the full. I also say that it may be that we could use far less equipment to achieve our goals if we do not go down the "professional's route." One could also ask what would be the point of emulating a known solution? I thought we were in this hobby to invent new and better ways and means. Why else are we tolerated in the busiest and most commercially valuable portions of the spectrum?

What I have done so far, which is merely some fancy pattern matching on monitored BPQ data, is not perfect. It gets it right 99.98% of the time and, as such, is not suitable other than for a leaf PBBS or PMS system. I have designed a UI protocol which could give 100% data integrity while still retaining the flavor of the broadcasting mechanism. I outline it below.

. . . (Continued next page)

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CONNECTIONLESS MAIL PROTOCOL AND MORE - Continued

UI Frame Connectionless Mail Protocol Specification Version 1.00

The aim of this protocol is to utilize the broadcast nature of the radio medium to minimize the amount of air time it seems to take to distribute the mail. This system is not meant to replace all of the current system of connections from one mailbox to another, but to optimize the distribution in a local area within range of a powerful node or other powerful repeating transmitter.

This specification is based on earlier work of mine and G8UFQ (now, sadly, deceased).

The basis on which this protocol is devised is as follows:

1. Radio is a broadcast medium, a packet (particularly if it is sent by a powerful and/or well sited transmitter) can potentially be heard by a large number of receivers.

2. The nature of the TNC, FM radio and CSMA environment is such that if a station can be heard loudly, then all other stations will tend to shut up until a suitable pause appears, at which point, they all tend to jump in.

3. The loudest station usually controls the flow traffic in a given area, thus any other station that uses that loud station usually gets more traffic through more quickly than if they go direct while the loud station is transmitting.

4. If we sent UI framed packets via the loudest station, they will be heard by many people (witness all the complaints about long beacon texts via several repeaters). If those packets can be uniquely identified as part of a particular message and also which part, then a basis of a simple connectionless mail protocol exists that more fully uses the broadcast nature of radio as outlined in (1) above.

5. The concept of acknowledging each packet correctly received is, I believe, inappropriate for a congested FM CSMA channel such as the ones we are using. Research has shown (ZMODEM protocol) that it is more efficient to say what you have not received. Further, because we are sending bulletins which are by their nature to be broadcasted, if the stations listening send their requests for the bits they missed, there will be overlaps such that any requests trampled on could be issued by another station anyway.

6. A bulletin is broadcast. This protocol is a means of broadcasting; the data therefore fits the protocol more nearly than the current method being employed. Individual mail probably fits the existing model quite well and would therefore continue to use the current system as would normal station-to-station conversation.

7. I believe it to be more efficient, overall, to send a complete message via a strong station and then wait for requests for retries of individual parts. In other words, to have a window size of infinity (or the size of the message). Further, because of the long delays between the TNC noticing a clear channel and the transmission actually being heard at full power, it will probably be necessary to send the first packet of a string twice or maybe three times because of the likelihood of its being trampled on by other stations [the main reason why the AX.25 fixed window size of >1 has been shown to be worse than simple window sizes of 1 (KA9Q)]. I propose to overcome this problem by using selective reject rather than the current system of `start again from the beginning even though I did in fact hear your last three of that window of four.' This will be used in the style of the ZMODEM protocol detailed in (5) above.

Because we will probably be repeating, we will need to send packets at reasonable intervals (say 0.5 seconds) in order for the repeater to receive and onward transmit it, this parameter must be tunable to allow for local conditions.

Some Details

AX.25 allows up to seven packets to sent at a time in one gobbit of packets. Therefore, it will be necessary to send a gobbit of 1 to 7 packets, possibly with the first one repeated as it almost certainly will not be heard on a busy channel. Experiments will have to be conducted to find the optimum number of packets to send in a gobbit, taking into account direct broadcast or via a repeater.

Each packet should contain the following info:

- 1-byte Signature (suggest "~") to indicate to the software that this packet may be of interest

- 1-byte Flag to determine the type of packet.
    - M for mail
    - H for the mail header (from, to, subject, etc)
    - E for end of message
    - R for repeat request
    - A for I am active request (could cause mail to be sent to you)

- 14-byte BID. A standard bid, eg, 12345_GB7TLH, some unique message ID, all messages (even mail) has some implicit bid of this form, but it need not be like that above. Anything unique would do. Left justified, excess padded with spaces.

- 5-byte Offset. The offset of this packet within this message. This is used differently in types H and E.

- 200-byte Data. This, of course, contains the data.

. . . (Continued next page)

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CONNECTIONLESS MAIL PROTOCOL AND MORE - Continued

Contents of Data Portion

H - It is suggested that this is of fairly standard form, ie, SB ALL @ GBR < G1TLH xxxxxxxxxxxxxxxxxxxxxxxx where the offset in the header is the size of the message and xxxxxxx is the title. All portions contain the BID.

M - The actual data portion of the message split up into 200-byte chunks. The offset incrementing 200 bytes (or whatever) for each packet. The length of the message and, thus, that of the last packet is arbitrary.

E - Indicates end of message. It has the length of the message in the offset position. It may be useful to have a CRC16 checksum in hex (4 bytes) in the data portion (then again it is probably overkill).

R - Request for more data, in the form address/length. These are free format pairs (starting with the offset position as the first address), eg, 000128/200, 600/200, 1200/400. Each pair is separated by a comma and the last one is followed by a full stop (which could be left out).

A -This is sent by a THL style box when switched on to say here I am, anything interesting?

Addressing Issues

The unproto mail address needs some definition. In order to recognize a packet coming in as being relevant, it must pass certain tests.

1. It must be a UI frame.

2. It must contain the signature character `~' in the first byte of the information part of the frame.

3. The mail broadcasts need to be identified as such and so an unproto address of $$MAIL is suggested. Replies could contain this address for general work, but if a significant number of packets with a particular originating call sign are received, it is better to use an unproto address of that originating call sign such that only that station replies to requests for more data. This should go some way to preventing race conditions when two or more originating stations have the same BID and start replying.

The receiving station will need to be discriminating about who it uses to poll for requests and, if it gets packets from other stations with the required information, it must discard them, but possibly remember the call signs in case of failure with the original station.

. . . Continued next Page

CONNECTIONLESS MAIL PROTOCOL AND MORE - Continued

A Sample Conversation

```
GB7TLH>NP2>$$MAIL <UI C>:
~H12345_GB7VLS 01200SB ALL @ GBR < G9ABC FRED BOGGS IS LICENSED
```

No reply - wait say 5-7 seconds

```
GB7TLH>NP2>$$MAIL <UI C>:
~H12345_GB7VLS 01200SB ALL @ GBR < G9ABC FRED BOGGS IS LICENSED
```

No reply - wait say 5-7 seconds

```
GB7TLH>NP2>$$MAIL <UI C>:
~H12345_GB7VLS 01200SB ALL @ GBR < G9ABC FRED BOGGS IS LICENSED
```

This is repeated 3 to 5 times

```
G4RQN>GB7TLH <UI C>
~R12345_GB7VLS 00000/1200
```

This indicates that you wish the whole lot to be sent. This may be sent three times at one-second intervals, but could perhaps be sent up to 10 times as it constitutes `retries.'

I also may receive

```
GB7RWN>NP2>GB7TLH <UI C>:
~R12345_GB7VLS 00000/1200
```

and

```
GB7LDI>NP2>GB7TLH
~R12345_GB7VLS 00000/1200
```

So I send

```
GB7TLH>NP2>$$MAIL <UI C>
~H12345_GB7VLS 00000xxxxxxxxyyyyyyyy etc etc
GB7TLH>NP2>$$MAIL <UI C>
~H12345_GB7VLS 00200aaaabbbbbbccccccdddd etc etc
GB7TLH>NP2>$$MAIL <UI C>
~H12345_GB7VLS 00400eeeeeeeeffffffffggggg etc etc
GB7TLH>NP2>$$MAIL <UI C>
~H12345_GB7VLS 00600hhhhhhhhiiiiiiiijjjjjj etc etc
GB7TLH>NP2>$$MAIL <UI C>
~H12345_GB7VLS 00800kkkkkkkkllllllllmmmmmm etc etc
GB7TLH>NP2>$$MAIL <UI C>
~H12345_GB7VLS 01000nnnnnnnnoooooopppppppp etc etc
GB7TLH>NP2>$$MAIL <UI C>
~H12345_GB7VLS 01200qqqqqqqqrrrrrrsssssss etc etc
GB7TLH>NP2>$$MAIL <UI C>
~E12345_GB7VLS 01200
```

I then might receive

```
G4RQN>GB7TLH <UI C>
~R12345_GB7VLS 00400/200,1000/200
GB7RWN>NP2>GB7TLH> <UI C>
~H12345_GB7VLS 00200/400
GB7LDI>NP2>GB7TLH <UI C>
~H12345_GB7VLS 00000/0,1000/200
```

This means that the need to resend packets 200, 400 and 100 and also 00000/0 is special. The station either has not heard the header or has woken up in the middle of this exchange and wants to catch up. 00000/0 will cause resending the header packet. It may be worth sending it at the start of an exchange in the first transmission of the message as a `noise' packet that causes the channel to be `grabbed' for this exchange.

So I send

```
GB7TLH>NP2>$$MAIL <UI C>
~H12345_GB7VLS 00000xxxxxxxxyyyyyyyy etc etc
GB7TLH>NP2>$$MAIL <UI C>
~H12345_GB7VLS 00200aaaabbbbbbccccccdddd etc etc
GB7TLH>NP2>$$MAIL <UI C>
~H12345_GB7VLS 00400eeeeeeeeffffffffggggg etc etc
GB7TLH>NP2>$$MAIL <UI C>
~H12345_GB7VLS 01000nnnnnnnnoooooopppppppp etc etc
GB7TLH>NP2>$$MAIL <UI C>
GB7TLH>NP2>$$MAIL <UI C>:
~H12345_GB7VLS 01200SB ALL @ GBR < G9ABC FRED BOGGS IS LICENSED
```

As you will note, these need not be in any particular order, thus, should be slotted in the appropriate place.

I may then receive

```
G4RQN>GB7TLH <UI C>
~R12345_GB7VLS 00400/200,1000/200
```

Because there is only one packet to be sent, I send it twice to make sure.

```
GB7TLH>NP2>$$MAIL <UI C>
~H12345_GB7VLS 00400eeeeeeeeffffffffggggg etc etc
GB7TLH>NP2>$$MAIL <UI C>
~H12345_GB7VLS 00400eeeeeeeeffffffffggggg etc etc
```

I now wait 5 to 7 seconds to see if there are any more. If not, I continue with the next one or shut up if there are no more.

Now there is a potential problem here in that I might receive a delayed request for a packet from the previous message. Two strategies might be used to cope with this. Either note the request and ignore it for the time being or keep the previous message file open and satisfy the request among the rest of the current message. If the first method is used, the current message is run out and the packet(s) from the previous message are then sent.

The reader will note that now three stations have obtained the six packet bulletin at a cost of 11 information packets from the originating station including retries. The actual level of retries is probably optimistic, but even on a dead, quiet channel, you would require 18 packets to be sent to do the same job without retries.

I think it likely that each originating station will have a list of people it is prepared to satisfy requests from to cope with lift conditions, but it may be possible to have a two-tier system in which a distant or unknown station can receive service, but only if a reasonable number of packets seem to be getting through, eg, locals may be allowed 10 retries but unknown stations only 3. After all, if conditions are that good they should be utilized.

This is preliminary, any comments, suggestions, etc would be gratefully received.

by Derek Koopman, G1TLH from Connect International via Hank Greeb, N8XX

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A NEW SERVICE, THE CALL SIGN SERVER

After I did a few keyboard-to-keyboard connections and PBBS log-ins, one of the problems I found with packet-radio communications was what else does it do for me. I can send mail to all those people out in packet-radio land that I do not know, and I can watch messages fly by that don't interest me. What was missing was a true user application. I thought, there has to be something we can do for the packet-radio community.

One afternoon, I was logged into Internet (a worldwide computer network) and saw a message that a group of people were putting a project together to acquire a copy of the Amateur Radio call-sign data base from the FCC. Great! I could put together a service whereby people could contact my packet-radio station and lookup a call sign. This could be an interesting service and, if successful, provide something useful to the community. Since I knew one of the people involved in getting the data, I contacted him and got a copy of the database.

As it turned out, the actual data file is 108 Mbytes in size and contains over 435,000 call signs. Unfortunately, it contains only US call signs, but that's a great start. In addition to the call sign, each record of the file has the mailing and station addresses, the class of license, previous call sign, renewal/process/expiration dates, and even the persons birthdate! Now all I had to do was figure out how to provide access to this data from my packet-radio station, how to store this huge database file, and how to tell people about it.

I was working on another project, porting the KA9Q TCP/IP package to the Macintosh computer, when several people asked the same question, "What are we going to do with TCP/IP?" It is certainly a neat system, but without applications to use it, it suffered the same old problem. Then the light flashed! How about interfacing the call sign database to one of the TCP/IP servers... like the finger server?

The finger server is a utility built-in to the TCP/IP package that allows a remote station to query your station for basic information. "Great idea," said Dewayne Hendricks, WA8DZP, the programmer who did all the work, and in a few days he had written the initial code to access the call sign data file. It took several more weeks of debugging and testing, but finally we had an extension to the finger command. Below is an example of how this all works (bold character are typed by the user). [Bold characters indicated between *s.]

```
net> *finger %wa8dzp@n6oyu*
SYN sent
Established
[N6OYU]

Name: DEWAYNE L. HENDRICKS
License: WA8DZP
License Class: E
Mail address: 43730 VISTA DEL MAR, FREMONT, CA 94539-0000
Station address: 43730 VISTA DEL MAR, FREMONT, CA
Effective date: May. 17, 1988
Expiration date: May. 17, 1998
Previous Callsign:
Previous Class: A
Birthdate: Oct. 11, 1949
Process date: May. 17, 1988

Close wait
Last ACK
Closed (Normal)
```

Note the use of the %callsign@N6Oyu syntax in this command. The typical finger command looks like this:

```
net> *finger doug@N6Oyu*
```

This will look for a text file named "doug" on the system diskette and copy its contents to the TNC. With the call sign server extension, we added the *%* to tell the finger server to lookup the following call sign in the data base and return that information to the TNC.

As it turns out, TCP/IP allows the use of another command to query information provided with the finger command. This involves using the telnet ommand (telnet is the command used for keyboard-to-keyboard communications with another TCP/IP station). This gets fairly complicated, but suffice to say, it works. Below is another example of using the telnet command to get the same information.

```
net> *telnet n6oyu 79*
SYN sent
Established
[N6OYU.norcal.ampr.org]
*%ka9q*

Name: PHILIP R. KARN JR
License:  KA9Q
License Class: E
```

```
Mail address: 25B HILLCREST RD, WARREN, NJ 07060-0000
Station address: 25B HILLCREST RD, WARREN, NJ
Effective date:  Sep. 27, 1988
Expiration date: Sep. 27, 1998
Previous Callsign:
Previous Class:
Birthdate: Oct. 4, 1956
Process date: Sep. 27, 1986
Close wait
Last ACK
Closed (Normal)
```

In the above example, *79* tells the telnet server to forward the request to the finger server, which in this case is the *%ka9q* on the next line. The server processes the request as before.

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A NEW SERVICE, THE CALL SIGN SERVER - Continued

This was all fine, but what about all the rest of the packet-radio users that do not have the TCP/IP package up and running? Well, TCP/IP will support AX.25 connections and provides a mailbox function. So, Dewayne also wrote some code to extend the mailbox function to permit inquiries of the database. The addition of the inquire command to the mailbox code now provides AX.25 connections access to the database. Below is a sample of the process.

```
*Connect N6OYU*
Conn pending
Connected
*<carriage return>*
[NET-$]
Welcome to the N6OYU.norcal.ampr.org TCP/IP Mailbox
(C)hat (I)nquire (S)end (B)ye
*I K6LLK*

Name: JOHN D. CRONIN JR.
License: K6LLK
License Class: E
Mail address: 1543 FORDHAM CT, MOUNTAIN VIEW, CA 94040-0000
Station address: 1543 FORDHAM CT, MOUNTAIN VIEW, CA
Effective date: Dec. 9, 1986
Expiration date: Dec. 9, 1996
Previous Call Sign:
Previous Class:
Birthdate: Jan 1, 1944
Process date: Dec. 9, 1986
(C)hat (I)nquire (S)end (B)ye
*B*
Disconnected
```

Now all packet-radio users have access to the call sign server via several different mechanisms. Since bringing up the sever, there have been over 3500 accesses over a six-month period. The service proved especially useful during the last Field Day exercises with several hundred requests during the weekend. An additional observation is to see what each new user does with the server. First, almost without exception, everyone looks up their own call sign! Then they look up their friends.

What is all this running on? The database file is on a 300-Mbyte hard disk drive which is connected to a Macintosh Plus computer running Apple's AppleShare file-server software. The radio is a Yaesu FT-211RH connected to an AEA PK-232 TNC and another Macintosh Plus computer running the Macintosh version of the KA9Q TCP/IP package. The two computers are connected together via LocalTalk (Apple's networking system). My Macintosh II color system and a LaserWriter IINTX printer also share the network.

The future holds many changes for the service. The first will be a more current data file. Next, we plan on changing the method of access. As it stands currently, the only way to get call sign information is to directly connect to my station via either AX.25 or TCP/IP. What we plan on is similar to the White Pages lookup system that is available now in the PBBS network. You will be able to send a message to the system with whatever means you have and the system will send a reply message with the call sign information you requested. Now back to the coding.

One last note. You can connect to my station on the TCP/IP frequency of 145.75 MHz.

by Douglas Thom, N6OYU from NCPA Downlink

GATEWAY CONTRIBUTIONS

Submissions for publication in Gateway are welcome. You may submit material via the US mail or or electronically, via CompuServe to user ID 70645,247 or via Internet to 70645.247@compuserve.com. Via telephone, your editor can be reached on evenings and weekends at 203-879-1348 and he can switch a modem on line to receive text at 300, 1200 or 2400 bit/s. (Personal messages may be sent to your Gateway editor via packet radio to WA1LOU @ N1DCS or IP address 44.88.0.14.)

The deadline for each installment of Gateway is the tenth day of the month preceding the issue date of QEX.

--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From 2514748338516329136
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,c9a62cea82f08bb8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 13:46:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!twg.com!obelix!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: Re: Worldwide network of HF propagation beacons. . .
Message-ID: <7527@gollum.twg.com>
Date: 10 Jul 90 20:46:00 GMT
References: <1990Jul3.030049.8312@midway.uchicago.edu>
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 55
Posted: Tue Jul 10 21:46:00 1990

In article <1990Jul3.030049.8312@midway.uchicago.edu> gary@ellis.uchicago.edu (gary buchholz) writes:

>I picked up a copy of the ARRL Operating Manual(copyright 1988). On page
>2-17 there is some discussion of the NCDXF worldwide propagation beacon
>network on 14.100 MHz.
>
>There are 9 transmitter sites - in NY, CA, HI, Japan, Israel, Finland,
>Madeira Island, South America and Buenos Aires. These stations signon
>and transmit for 1 minute each on power of 100 watts down to 1/10 watt.
>Each station takes its turn - 1 minute each - 9 stations - with the last
>minute silent. This cycle of 10 minutes repeats.
>
>So says the ARRL Operating Manual. However, I've tuned into this 14.100
>net for several days now and at various times and really haven't heard
>anything but background noise. I'm using a Kenwood TS-140S with a 45ft
>multi-band dipole. I can hear plenty of DX out there so I very much
>doubt its my radio - here in Chicago.
>
>==> The question is this. My ARRL guide is from 1988. Is this beacon still
>==> in operation ?
>
>==> Also, I'd be very much interested in any other such propogation nets on
>==> other ferequencies - or how people generally get "dynamic" propagation
>==> information (ie other than looking at published LUF,MUF charts)
>

The beacon set is very much still in operation. The only serious problem we've had with it was when the unit at Stanford was stolen. I think it's been replaced now, but am not sure. If you have a decent antenna, the propagation is there, and the packet guys will leave the frequency alone, you will hear them. But you do need an accurate clock to know which of the beacons is going off in order to be sure you have your antenna pointed at it at the right time. The TS-140S has pleanty of sensitivity to pick up these signals, but I'm not so sure about your antenna. In the first place, there's no way you can position a dipole so you are pointed at all of the beacons without rotating the dipole--and I kind of doubt you are using a rotatable dipole, since you said it was a multiband antenna. In the second place, I'm a little skeptical of multiband antennas in general. Traps have loss. Period. What you've gained in flexibility you've sacrificed in performance. If you're going to string wire up, put up a different wire for each band. And by the way, I've found that a half-wave loop with a quarter wavelength matching section of 70 ohm coax will way outperform a dipole and be more broadbanded to boot.

If you're looking for more beacons, look in the callbook--there's a long list of 10 meter beacons in the front of one of the two (the international book?). Also, somebody will periodically post a current list here on the net.

Now that you know at least some of what NCDXF does, why not learn more? I think you'ld be amazed at the list of expeditions NCDXF has supported. It was started by a single grant which has been well-invested over the years, but the real support for NCDXF comes from DXers like you and me. We ask people to contribute whatever they feel like. It's really amazing how much a very large number of only $10 and $20 checks can support. Do you have South Sandwich or South Georgia yet? I bet you don't--but after November you will, courtesy of NCDXF. Do yourself and other DXers a favor--drop a line to W6OAT and ask how you can help.

de AA6KX

From 3129979019208391060
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16d0a1d7bde0f8ce
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 13:54:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: HAM RADIO IN DANGER
Message-ID: <25813@usc.edu>
Date: 10 Jul 90 20:54:08 GMT
References: <6897@eos.UUCP> <30500589@ux1.cso.uiuc.edu> <23321@shamash.cdc.com>
Sender: news@usc.edu
Organization: EE-Systems, USC, Los Angeles
Lines: 51
Posted: Tue Jul 10 21:54:08 1990

In article <23321@shamash.cdc.com> vtcqa@shamash.UUCP (Jeff Comstock - VTC) writes:
>I joked to a freind the other nite that I think their should be
>'regional SA's' for our packet radio network.

Agreed, 100%. Now, we need some really bright guy who is also a politition (yecho!) to sell this idea to the anarchistic masses. :-(

>I also realize that there are other problems beyond the control of us
>operators, like not to great of a protocol ...

Agreed. Nobody uses broadcasting like a previous poster suggested. Throughput could probably be increased by using a token system, where an individual station was prohibited from transmitting until the token was obtained. In addition, I would like to see a LAN system where each individual ham had (a minimum of) his own dedicated 1200 bit/sec channel. I envision a system a little like the NTS where the net control station tells people with traffic to go to a specific frequency; of course this requires computer control of radios, but think of the possible throughput! Local stations could communicate without any interference! With synchronized clocks (and that's not too hard with WWV) it would be possible to have stations listen for any bulletins on some specific frequency at some regular interval. There are thousands of other good ideas out there. Why aren't any of them in use by the masses?

Two final ideas/points:

1   I have said in the past that packet just doesn't have enough performance to hold my interest. This is still true.

2   Maybe we need a really tough theory exam for the new no-code license. Topics covered should include computer networking (including the OSI 7 layer model), structured software development methods, data structures, at least one high-level programming language (not BASIC) and assembly language, digital signal processing with all the math (Fourier transforms, Hilbert transforms, Z-transforms, IIR & FIR filters, etc.), communication theory, etc. as a minimum. In short we want to attract the people who are EE and CS majors, and we want to encourage those who aren't to learn this material so they can apply it to amateur radio.

The no-code folks (to my knowledge) don't object to a stringent theory exam. As a matter of fact, a common statement is "Why I'm so technically advanced that I can't be bothered with learning the code since I don't think I ever want to use something so primitive." Well, lets give these people a good tough (but fair) exam. This may also have the effect we desire of attracting more experimenters and less appliance operators. I have changed my mind about no-code, and now am willing to accept it, provided that a very comprehensive theory exam is required. The current theory exams, all the way through extra, are a joke.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

---

From 2143378156355613250
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,54b0d29a302d0a78
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 13:57:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: Running a PC on 12V
Message-ID: <25814@usc.edu>
Date: 10 Jul 90 20:57:50 GMT

References: <FAUNT.90Jul9201312@dustbin.cisco.com>
Sender: news@usc.edu
Organization: EE-Systems, USC, Los Angeles
Lines: 11
Posted: Tue Jul 10 21:57:50 1990

In article <FAUNT.90Jul9201312@dustbin.cisco.com> faunt@dustbin.cisco.com (Doug Faunt N6TQS 415-688-8269) writes:
>I would like to be able to run a standard PC/AT clone on 12V,
>efficiently. Where can I get information on buying or building a
>reasonably low cost power supply for this?

Look in a very old handbook. 1960's or early 1970's should do. Look in the section on mobile rigs. The ideas are the same, but you want just 120V instead of ~800V. 400 Hz will probably work OK. Just use your existing PC power supply.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From -1760418853719054445
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,80ea1f90a268a02e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 14:20:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!math.lsa.umich.edu!spsd3260a.erim.org!hideg
From: hideg@spsd3260a.erim.org (Steve Hideg)
Newsgroups: rec.ham-radio
Subject: Re: Some CW procedure questions (reply is LONG)
Message-ID: <1990Jul10.212044.473@math.lsa.umich.edu>
Date: 10 Jul 90 21:20:44 GMT
References: <900710-121240-5799@Xerox>
Sender: usenet@math.lsa.umich.edu
Organization: Environmental Research Institute
 of Michigan
Lines: 17
Posted: Tue Jul 10 22:20:44 1990

In article <900710-121240-5799@Xerox>
"wayne_a._lightsey.RochXRC"@XEROX.COM writes:
> "DE Callsign" is an extended break-in process except when fulfilling the
> 10-minute identification rule. You are not required to send the other
> stations callsign EXCEPT at the beginning and end of a series of
> transmissions.

You are not required to send the other station's callsign at all in U.S. domestic QSOs.

You are not required to send your callsign at the beginning of a U.S. domestic QSO, only at 10-minute intervals and at the end of the QSO.

Steve Hideg (N8HSC)

hideg@spsd3260a.erim.org

From -397904020420601059
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f88bdc5470fdaa3e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 14:34:01 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!swbatl!texbell!cs.utexas.edu!usc!ucsd!
helios.ee.lbl.gov!hellgate.utah.edu!uplherc!esunix!hcooper
From: hcooper@esunix.UUCP (Harrison Cooper)
Newsgroups: rec.ham-radio
Subject: Re: kenwood 440 mic shock
Summary: mic hangup
Message-ID: <2051@esunix.UUCP>
Date: 10 Jul 90 21:34:01 GMT
References: <3062@unisoft.UUCP>
Organization: Evans & Sutherland, Salt Lake City, Utah
Lines: 14
Posted: Tue Jul 10 22:34:01 1990
X-Local-Date: 10 Jul 90 14:34:01 PDT

Some mic's, especially in the commercial world, have a wire connected to
the hanger or button (I have a Wilson and its called 'hangup'). This is
or can be used to inhibit transmit, or turn on some PL arrangement so
while the person is NOT holding (i.e on the hanger bracket) the receiver
will be silent. This is kind of strange for a 440 setup though, and
normally this would be an input (could be pulled high in the radio) and
grounded for activation of the circuit. As far as being burned by
either voltage or rf, did you happen to be making a good ground contact
with your body, via sweaty palms (from the dx you were doing) and steel
toed shoes?? or something along that line.

H Cooper N7KST

From -3962404610177770873
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fceea2ebc382d5b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 15:33:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!dali.cs.montana.edu!milton!uw-beaver!zephyr.ens.tek.com!
tektronix!sequent!mntgfx!mbutts
From: mbutts@mentor.com (Mike Butts)
Newsgroups: rec.ham-radio
Subject: Motorola 77-satellite cellular plan
Message-ID: <1990Jul10.223353.1551@mentor.com>
Date: 10 Jul 90 22:33:53 GMT

Organization: engr
Lines: 31
Posted: Tue Jul 10 23:33:53 1990

EE Times of 6/25/90 and the popular press in general has reported that Motorola is planning to invest billions of $$ to launch and maintain a network of 77 microsats that will offer cellular service to remote areas in the US and foreign countries that are currently unreachable by terrestrial systems.

Motorola has reportedly proposed an L-band (1-2 GHz) spread-spectrum digital system that it hopes will become a standard for a new generation of portable cellular phones and data terminals. The writer observes that using satellites will greatly reduce reliance on ground-based equipment, and will make it easier to bypass regulatory and tower-construction barriers.

I'm surprised I haven't seen anything about this on the net. Does anyone have more solid technical information on this system? It seems that the success of AMSAT and others with microsats is having some effect.

I'm very excited at the prospect of the old dream of global satellite phones becoming a commercial reality. I'm also very pleased that a US company, for a change, has the foresight and apparently the will to go forward with such a long-range and expensive (but ultimately very profitable) plan.

Thinking in the long term, once such a system is in place and mature, would somebody care to speculate what the role of ham radio will be in a world where anyone can call to anyplace from anyplace anytime with a cheap portable phone?

73 de KC7IT

--
Michael Butts, Research Engineer   KC7IT   503-626-1302(fax:1282)
Mentor Graphics Corporation, 8500 SW Creekside Place, Beaverton, Oregon   97005
!{ogicse,sequent,tessi,apollo}!mntgfx!mbutts   mbutts@pdx.MENTOR.COM
Any opinions are my own, and aren't necessarily shared by Mentor Graphics Corp.

From 6365316872432609473
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7e8f66c5890e575,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 15:39:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!mailrus!sharkey!sbcs!ameristar!rick
From: rick@ameristar.uucp (Rick Spanbauer)
Newsgroups: rec.ham-radio
Subject: Half baked satellite idea
Message-ID: <1990Jul10.223934.1550@ameristar>
Date: 10 Jul 90 22:39:34 GMT
Sender: rick@ameristar (Rick Spanbauer)
Organization: Ameristar Technology, Inc
Lines: 12
Posted: Tue Jul 10 23:39:34 1990

On NPR this evening it was mentioned that there may be a joint USSR-US satellite launch facility built in Australia. The idea is to use Soviet rockets to launch US (& presumably other) satellites. What does this have to do with Amateur Radio? Well, it was mentioned that the first two launches will be with "dummy" payloads. Which sets the mind to wondering whether an amateur radio satellite could take advantage of the free ride (& potentially be larger than usual since the ride is for testing anyways). Have the amateur radio satellite types started pursuing this angle? Enquiring minds want to know ;-)

Rick Spanbauer/wb2cfv
Ameristar

From -4005834771268432556
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dcf47ba9ad58cd25,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 18:08:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL Letter 29-Jun-90
Message-ID: <1559@n8emr.UUCP>
Date: 11 Jul 90 01:08:38 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 314
Posted: Wed Jul 11 02:08:38 1990

```
==============================================================
|         Relayed from packet radio via                |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

ARRL LETTER Volume 9, Number 13, June 29, 1990 - Part 1 of 4

NEW NOVICE EXAM FOR SOUTH AFRICA TO INCLUDE CODE

South Africa soon will institute a Novice license, following closely on the heels of a similar new license in Great Britain. Details of the new Novice, or Class B, license, were published in the June 22 edition of the Government Gazette.

Applicants must be at least 12 years of age, and will be required to pass a 5 wpm Morse code exam administered by the South African Radio League. After passing the CW test, candidates will take a written exam in operating procedure and "knowledge of the ITU phonetic alphabet."

According to Hans van de Groenendaal, ZS6AKV, president of AMSAT S.A., the SARL has been working behind the scenes for several years and "has based their proposal to the South African authorities on the proposed UK Novice license."

"The introduction of the Novice license," says van de Groenendaal, "will stimulate the growth of Amateur Radio in South Africa and will serve as a model for other countries in Southern Africa. Industry sees the introduction as a move to involve more young people in communications and electronics."

The new Novices, who will receive ZU1 call signs, will be allowed 5 watts DC input (or 20 watts PEP output), and will be able to use phone, CW and data on 160 meters; CW and data on 80 and 15 meters; and CW, data, and phone on 10 meters and 70 cm.

SARL is preparing to begin giving code tests, and the first technical examinations will be held in November.

NEW USER FEES TO SUPPORT DXCC

The ARRL DX Century Club will institute a new fee schedule Oct. 1. DXCC, while affecting a relatively small percentage of its members, is a substantial financial burden on the League. User fees, approved by the League's board of directors, will go toward better service (quicker turnaround time).

The fee structure is intended to encourage participants to send less frequent individual submissions to DXCC. Here is the basic outline:

1) After Oct. 1, every first-time applicant for DXCC will be charged $10.00, in addition to the usual charge for return postage. DXCC members as of Oct. 1, 1990 are exempt from this registration fee.

2) ARRL and CRRL members will be allowed free of charge one submission per calendar year; this annual submission may include any number of QSLs, any number of DXCC awards, and any combination of new and endorsement applications. It does not include a person's all-time first submission.

3) Non-League members outside the US and Canada will be charged $10.00 for their first DXCC submission of any kind each calendar year.

4) US and Canadian DXCC participants who submit more than once in a calendar year will be charged $10.00 for each submission after the first one. Foreign non-members will be charged $20.00 for their additional submissions.

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NEW TEST PROCEDURES FOR DISABLED

People suffering certain disabilities will get a break on Morse code requirements, FCC announced June 15 at the sixth annual meeting of Volunteer Examiner Coordinators.

The new procedures will allow volunteer examiners more flexibility in administering exams to handicapped or disabled people.

Given a physician's statement attesting to the handicap or disability, examiners may be able to substitute a Morse sending test for one in receiving, to allow spoken instead of written copy, and to use a Morse code recognition exam. More details on this will be forthcoming.

On other matters, the VEC Question Pool Committee, chaired by Ray Adams, N4BAQ, recommended continuation of all current questions, pending outcome of proposals to change the licensing structure (namely, the FCC's Communicator Class proposal).

FCC personnel listened to comments on the proposed Communicator Class license from the Communicator Recommendations Committee, as well as a summary of the League's "Strawman" position (see July *QST*, p 54).

The CRC also recommended that the 6- and 2-meter bands be included as privileges for the Communicator since "main- streaming" these new amateurs is one of the many goals of the new proposed license class. Also recommended was that all Novice examining be brought under the auspices of the VEC program.

The subject of fraudulent applications was discussed with no consensus reached on the extent of the problem (if indeed a problem exists).

Tom Ingram, K4OOV, of the Central Alabama VEC, was voted Chairman of the Conference for the next year.

The meeting, held in Gettysburg, PA, was attended by 12 of the 18 VECs, seven FCC staff members, Harry Dannals, W2HD (representing QCWA), two ARRL directors (W3ABC and N4MM), Evelyn Garrison, WS7A (of ICOM, representing manufacturers), and observers from the Military Affiliate Radio System (MARS).

PROGRESS FOR INJURED SOVIET HAM

A 25-year-old Soviet amateur is making progress following injuries sustained in an automobile accident, thanks to the assistance of radio amateurs both here and abroad.

As reported last issue, Oleg Porugov, UA4FAY, was in a coma following the May 25 accident, and it has not been possible to move him from a hospital in Ryazan to better facilities. Through the efforts of several American hams, three shipments of supplies have been sent to Ryazan. An additional shipment of intravenous feeding solution has been sent by West German amateurs.

Medical consultation between Dr. Joseph Izzo, of Foster City, CA, Dr. Lawrence M. Probes, ND8S, and Dr. Charles L. Starke, NX2T, and Soviet physicians continues by both Amateur Radio and Telex messages.

A month after the accident, Porugov's condition continues to improve and the doctors are guardedly optimistic. Porugov is able to see and recognize friends, his partial paralysis appears to be abating, and he now is breathing entirely on his own.

RADIOSPORT EVENT RECEIVES GRANT

The World Radiosport Team Championship (see May *QST*, p 48) has received a check for more than seven thousand dollars from the ARRL Mullan Fund, the balance of a grant from the T. Mullan Foundation established to enhance goodwill between the peoples of the US and the Soviet Union.

Final arrangements for operating permission for visiting amateurs from the Soviet Union and several eastern European countries are being hammered out at this time.

Amateur Radio press kits for the WRTC, as announced in May *QST*, are ready for mailing; send an SASE for yours.

TEXAS HAMS WIN TOWER RIGHTS

Amateurs in Bedford, TX won a major tower victory earlier this month. On June 12 the city council of this Dallas-Ft. Worth suburb unanimously approved a 65-foot tower ordinance. A dispute which had begun in October, 1989 over the 60-foot tower of Mike Simpson, WB5SUF, had escalated to include virtually every amateur in the city.

The Simpson case, according to ARRL volunteer counsel Lanny Priddy, K5LP, was not a PRB-1 case, because it concerned plat and deed restrictions, not a local ordinance. Priddy did, however, cite PRB-1 in his arguments.

Ironically, Simpson praised the homeowners who had complained to the city. "They allowed the city to clear up the entire antenna question," Simpson said, because "before the ordinance hams had been given a plethora of conflicting information at city hall."

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IARU MEMBERS TO VOTE ON BURMA

Member societies of the International Amateur Radio Union are being asked to vote on the possible termination of membership of the Burma Amateur Radio Transmitting Society (BARTS). IARU Calendar 149, sent to all IARU societies June 12, notes that Proposal 195 was directed by the IARU Administrative Council at its April meeting in Spain.

Amateur Radio was officially banned by the Burmese government on January 10, 1964. It now is believed that "there is no one presently alive and living in Burma who has any connection with BARTS." The last communication from BARTS to the IARU occurred in 1976, from Zaw Yee, ex-XZ2SY, indicating that the society was inactive. Zaw Yee died the following year.

Votes are due no later than Nov. 12, 1990.

DISASTER RESPONSE DISCUSSED

A meeting of League and emergency response volunteers met June 12 sought to cement emergency planning through the National Disaster Medical Service. The Service, formed in 1983, would be called into operation in the event of a catastrophe beyond even the ability of an entire state or region to handle, only upon a state's request.

Communications still is a sticking point of the plan. While the National Communications System (NCS) is the major player, holding government communications assets such as leased and government-owned telephone lines, microwave systems, satellites and HF radios, the government agencies using these services necessarily will put their own needs first. It is impossible to determine in advance how much excess capacity will be available for medical evacuation and related purposes.

The lead agency for communications is the Federal Emergency Management Agency. FEMA's main mission is to coordinate federal response to disasters. Its plans for handling NDMS messages are unclear.

While all NDMS members at the meeting agreed that amateurs will be a part of any response to a major disaster, the League has expressed its concern that amateurs will be thrust into a de facto *primary* role. Since amateurs would already have been mobilized at the local level, their numbers and resources would likely be strained by a "national call-up."

Further discussion addressed amateurs' assignments and roles, as well as the establishment of message formats and protocols. A drill planned for October likely will include the ARRL in some yet-to-be-determined capacity.

Ultimately, the ARRL Board of Directors will decide whether to approve a formal Memorandum of Understanding between the NDMS and the ARRL.

Further talks are scheduled for July 12 in Washington.

FIELD DAY

Conditions were--to put it gently--rotten. But they tested our mettle as communicators, and that's what ARRL Field Day is all about.

Novices in particular, lulled by superb 10 meter conditions the past couple of years, may have been shocked by the white noise on that band over the June 23-24 weekend. They were treated to a taste of what's to come when the sun quiets down in another year or two.

Alternate modes of communication, particularly VHF packet and satellites, were kept especially busy this FD. Messages appeared on various packet clusters from FD stations in the field, and activity on AMSAT as well as Soviet and Japanese satellites was healthier than ever.

W1AW made a couple thousand FD contacts, in the process shaking down both new aerials and equipment at the visitors' operating positions. Six operators used computers for logging at four operating positions, running prototype FD software developed by ARRL contest assistant Mark Burke, KA1MIS.

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BRIEFS

* Corrections: Gay Milius, W4UG, who died June 6, was not ARRL Hudson Division Vice Director in 1951 and 1952.

The name of Allen Singer, N2KW, was misspelled in Volume 9, Number 12.

* FCC recently adopted an order implementing the license fees for most radio services other than amateur which had been established by Congress in the Budget Reconciliation Act of 1989. An unclearly drafted item in that order relating to duplicate licenses has been misinterpreted, leading many amateurs to believe that a 35-dollar fee is required for duplicate amateur licenses. This is not true--FCC collects no fees for any amateur license transactions.

* Congratulations to Leon A. Faber, W7EH, of Phoenix, and A.G. Wentzel, W2HX, of Trenton, NJ, both of whom recently marked seventy years as League members.

* The new target launch date for Shuttle STS-35 (and SAREX) is August 12 at 0506 UTC.

* Amateurs needing Kenwood parts now can phone toll free 800-637-0388 to place orders at the Kenwood USA facility in Long Beach, CA.

* On June 11 the Shelby (TN) County Commission unanimously approved an amendment allowing Amateur Radio towers up to a height of 65 ft., according to Atty. Albert C. Burnham, W4RIM. Previously, the Memphis City Council and the Land Use Control Board had approved the amendment. Completion of the process now has raised the allowable height from 35 to 65 feet.

* Nathan Gidron, general manager of Motorola Israel, has announced Motorola's "adoption" of the Israel Amateur Radio Club. Operating for years without a home, the club began a fund drive a few years ago that fell short. Thus, Motorola will be allocating a room of 40 square meters for use as the offices of IARC, which is Israel's national society. (From *HaGal*, 4X1MK and 4X1AT, editors).

* Satellite enthusiasts and AMSAT members are advised that the former *Amateur Satellite Report*, now called *Oscar Satellite Report*, no longer is included in AMSAT membership. As of April 1, *OSR* is received by subscription from R. Myers Communications, PO Box 175, Litchfield CT 06759. AMSAT has, according to Myers (who is W1XT), "provided encouragement and support" during the changeover. Myers has been editor of the publication since its inception in 1981.

* Ham club officers will be interested in the latest (1990-91) edition of the *ARRL Club President's Workbook*. Complimentary copies already have

been sent to ARRL officials and ARRL affiliated club presidents. Additional copies are available from HQ.

* Is there anyone who doesn't love museums? We can heartily recommend the Antique Wireless Association's museum, located in the Finger Lakes region of western New York, near Canandaigua. The whole family can enjoy this trip back in time, as the AWA Museum features not only Amateur Radio but just about every kind of wireless, as well. Next door is the East Bloomfield Historical Society with exhibits of interest to everyone.

AWA Museum hours are 2-5 pm Sunday, 2-4 pm Saturday, and 7-9 pm Wednesday, through Oct. 31. Group tours are available by appointment. Bruce Kelley, W2ICE, is curator. AWA Museum, Main Street, Holcomb NY 14469. Phone 716-657-6260.

* First call for papers for the AMSAT-NA Space Symposium, to be held Oct. 10-12 in Houston. The symposium will feature talks on the latest technology in both the manned and unmanned aspects of the Amateur Radio space program. Talks on MICROSAT utilization are particularly wanted. Send summaries of proposed papers to AMSAT-NA, 850 Sligo Ave., Suite #600, Silver Spring MD 20910 by July 15. Those selected for presentation will be notified by August 1.

--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From 6138527631387022018
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b260e4ab84dd4d4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 18:52:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!aplcen!haven!mimsy!mojo!chuck
From: chuck@eng.umd.edu (Chuck Harris)
Newsgroups: rec.ham-radio
Subject: Re: How to deal with TVI
Message-ID: <1990Jul11.015202.12250@eng.umd.edu>
Date: 11 Jul 90 01:52:02 GMT
References: <1990Jun28.172135.11814@lopez.UUCP> <1250189@hpnmdla.HP.COM> <956@ke4zv.UUCP>
Sender: news@eng.umd.edu (The News System)
Organization: College of Engineering, Maryversity of Uniland, College Park
Lines: 64
Posted: Wed Jul 11 02:52:02 1990

....Stuff about ungrounded filters and a CORRECT explanation...
>>
>>It works just fine. I guess a lot of people are confused about this, so
>>I'll expand further.

>>
>>The transmitter generates RF voltage BETWEEN the center conductor of the
>>output coax and the shield. Note that this voltage is NOT referred to
>>earth ground. The chassis could be at 1,000,000 volts (AC or DC) with
>>respect to earth, but there is still the same RF voltage existing between
>>coax center conductor and shield -- the transmitter doesn't care.
>>
>>AL N1AL

...And now the wrong answer...
>
>I'm afraid that YOU are the one that is confused. When an unbalanced filter
>is used to bypass unwanted RF energy to the chassis and the chassis is
>not connected to ground, the chassis structure and the outside of the
>coax shield, the microphone cord, the powerline, and any other wires
>connected to the chassis become RADIATING ELEMENTS for that unwanted
>RF. Thus the desired effect of preventing unwanted radiation is lost.
>The currents between the coax center conductor and shield are supressed,
>but that is of little use if the outside of the coax becomes "hot".
>
>Gary KE4ZV

Gary, get your electrical engineering books out, and look up a Faraday shield. That is the thing that you get when you make a tight metal box. The shield (note the name) on the coax is also an example of a Faraday shield.

The transmitter is full of RF generating stuff that has frequencies that we don't want to radiate, so the manufacturer bottles it all up in a "tight metal box", and filters the unwanted RF off of any leads that leave the box.

NO RF can get out of the box anywhere except thru the Coax.

All of the "unbalanced filters" literally short out the coax for frequencies that are unwanted. This has the effect of sending the unwanted freq's power back into the transmitter where it is dissapated as heat.

As an example, look at this PI filter. Remember that at "High" frequencies capacitors get lower in reactance (kinda like resistance), and inductors get higher in reactance. Notice how C1 and C2 conduct the High frequency current back to the voltage source, and how L blocks the High frequencies by being a high reactance (open circuit).

```
     +-------+---L---+-----------------------+
     | ----+  | ----+  | --------------------+ |
     V     |  C1    |  C2  Antenna Coax  |    R
     | <---+  | <---+  | <-------------------+|
     +-------+-------+-----------------------+  <-- this is the "ground"
                                   that isn't connected!
```

Current can only flow where there is a circuit. This filter's circuit is complete whether or not there is a ground connected anywhere along the bottom "wire".

How does the transmitter's case get "hot" with RF? It does so by near
field coupling with the antenna. If you would feed your balanced "dipole"
like antenna with a balanced source (eg. use a balun), and move the antenna
out of your bedroom you would find that much of your problem would go away.

Chuck Harris - WA3UQV

From -3269586996362410245
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b3cad49544a6731d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 21:02:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!ames!amdahl!netcom!mcmahan
From: mcmahan@netcom.UUCP (Dave Mc Mahan)
Newsgroups: rec.ham-radio
Subject: Re: What is Phase Noise?
Message-ID: <11913@netcom.UUCP>
Date: 11 Jul 90 04:02:17 GMT
References: <11822@netcom.UUCP> <1250187@hpnmdla.HP.COM>
Organization: Dave McMahan @ NetCom Services
Lines: 61
Posted: Wed Jul 11 05:02:17 1990

In a previous article, carmijo@hpnmdla.HP.COM (Chris Armijo) writes:
>>> To me, phase noise IS a form of FM modulation, since one can
>>>slightly change the signal frequency for an instant to shift phase. The stuff
>>>I see on a spectrum analyzer is definately different in appearance, though.
>>>I have asked them to expain it, but can't seem to make sense of the answer.
>>>Can someone please tell me why phase noise is NOT considered a form of FM
>>>modulation?
>
>First, let me say that I'm no expert on the subject -- I've done a little
>work with it, though.

From your post, I assume 'a little' is a lot more than most!

>Phase noise CAN be considered to be a form of FM modulation (or,
>alternatively, Phase Modulation). Essentially, the phase of a CW signal is
>varying over time. The reason that Phase Noise on a carrier looks
>so radically different than narrowband FM (with two discrete sidebands)
>is that the phase varies RANDOMLY with time. This random variaion
>causes the characteristic "smearing" of the CW signal

Of course! This makes sense. When I look at a true FM signal, it is usually
being driven by a constant tone. The tone combines with the sweep rate of the
spectrum analyzer to give the output display I'm familiar with. Even a signal
that causes very little deviation of the FM carrier would appear different than
true phase noise. Thanks for the clarification.

>There are four basic methods to measure the phase noise of a CW source:
>   1. Measure it directly with a spectrum analyzer
>   2. Mix the signal down to a lower frequency and use a counter
>   to measure the variance of the frequency.

Doesn't this mean you need to sue a LO that is MUCH more stable than the amount of phase noise you are trying to measure? Then again, I guess the spectrum analyzer LO must also be very pure to make this kind of measurement.

>   3. Use a phase detector to measure the difference in phase
>   between your source and a reference source. The output of
>   the phase detector is displayed on a spectrum analyzer.
>   4. Use a frequency discriminator to demodulate the "FM" signal
>   and measure the output on a spectrum analyzer.

I guess this assumes that the discriminator is capable of doing some very quick and accurate demodulation of the signal. If phase noise is truely random (which it must be to be considered 'noise'), what kind of instantaneous jumps in discriminator output would one observe using this technique?

>I hope this answers your question. Phase Noise is actually a very
>interesting subject, once you dig into it. It's also one of those
>subjects that are rarely discussed a standard E.E. curriculum.

I know only two RF gurus that are really comfortable talking about this subject. It is HIGHLY important for good communications work, though. They both learned in the lab by looking and playing, with a little help from mentors who knew more than they. Are there any good tips or techniques you (or anyone) can suggest to ensure good phase noise performance?

>Chris Armijo

-dave

From -8089203237392710445
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,54b0d29a302d0a78
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 21:11:15 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!ames!amdahl!netcom!mcmahan
From: mcmahan@netcom.UUCP (Dave Mc Mahan)
Newsgroups: rec.ham-radio
Subject: Re: Running a PC on 12V
Message-ID: <11914@netcom.UUCP>
Date: 11 Jul 90 04:11:15 GMT
References: <FAUNT.90Jul9201312@dustbin.cisco.com>
Organization: Dave McMahan @ NetCom Services
Lines: 31
Posted: Wed Jul 11 05:11:15 1990

In a previous article, faunt@dustbin.cisco.com (Doug Faunt N6TQS 415-688-8269) writes:
>I would like to be able to run a standard PC/AT clone on 12V,
>efficiently. Where can I get information on buying or building a
>reasonably low cost power supply for this?
>thanx, and 73, doug

I have done this for a project. We used deep cycle marine batteries to supply the 12 VDC and a power inverter to provide 120 VAC. We found that to drive a monitor, we had to have 120 VAC and couldn't just do conversions with DC-to-DC converters. For the power inverter, we found that the typical square wave output seemed to work just fine for the PC. We did this for a PC-XT and a PC-II a few years back. The power inverter we used was from GTO Electronics and had a model number of PACS-325SM. The latest info on address for GTO I have is:

GTO Electronics
430 Ritt St.
St. Peter, MN   56082
(507) 931-4137

This stuff is dated 1985, so may be a little old. We used a regular old car battery charger to charge the batteries. Don't use regular car batteries. They don't have the ability to deep-cycle many times, which is what I assume you want. The system shipped to Italy, and last I heard they had replaced our battery charger with a local equivalent that ran off local power, but the rest of the system worked fine.

>   faunt@cisco.com   415-688-8269

-dave

```
From 4697029603215989050
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c2260992162f52f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 21:14:45 PST
Path: gmdzi!unido!mcsun!uunet!comp.vuw.ac.nz!bclwn!bcl.co.nz!chris
From: chris@bcl.co.nz (Chris Mackerell)
Newsgroups: rec.ham-radio
Subject: Positioning weather satellite pictures
Message-ID: <1990Jul11.041445.770@bclwn.bcl.co.nz>
Date: 11 Jul 90 04:14:45 GMT
Sender: chris@bclwn.bcl.co.nz (Chris Mackerell)
Reply-To: chris@bcl.co.nz (Chris Mackerell)
Organization: Business Computers Ltd., Wellington, New Zealand
Lines: 21
Posted: Wed Jul 11 05:14:45 1990
```

Hi,

I'm receiving polar orbiting weather satellite photos on my system
and I would like to plot latitude and longitude lines, coastlines
etc on them.

Does anyone out there have the algorithms required to translate
scan line pixels to lat & long or vice versa?

Cheers,

Chris.

```
--
    _     _
 / /_) / /   / /  / Chris Mackerell <chris@bcl.co.nz> [a/h chris@owdjim.gen.nz]
/ /_) / /_  / /_ /  Ph: +64 (4) 801-6716  Fax: +64 (4) 85-2752
Business Computers Ltd, Box 3236, Wellington 6000, NEW ZEALAND.
```

From -1085019242897647774
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,78cf17e3537d82e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,78cf17e3537d82e,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-10 21:18:30 PST
Path: gmdzi!unido!mcsun!uunet!comp.vuw.ac.nz!bclwn!bcl.co.nz!chris
From: chris@bcl.co.nz (Chris Mackerell)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Wanted: supplier of Drake SPR-4 crystals
Message-ID: <1990Jul11.041830.869@bclwn.bcl.co.nz>
Date: 11 Jul 90 04:18:30 GMT
Sender: chris@bclwn.bcl.co.nz (Chris Mackerell)
Reply-To: chris@bcl.co.nz (Chris Mackerell)
Organization: Business Computers Ltd., Wellington, New Zealand
Lines: 17
Xref: gmdzi rec.radio.shortwave:1589 rec.ham-radio:12786
Posted: Wed Jul 11 05:18:30 1990

Does anyone know of a good supplier of crystals for a Drake SPR-4 receiver
(preferably cheap too!).

Cheers,

Chris.

```
--
    _     _
 / /_) / /   / /  / Chris Mackerell <chris@bcl.co.nz> [a/h chris@owdjim.gen.nz]
/ /_) / /_  / /_ /  Ph: +64 (4) 801-6716  Fax: +64 (4) 85-2752
Business Computers Ltd, Box 3236, Wellington 6000, NEW ZEALAND.
```

```
From 9186115069850161203
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,763e815482d498c9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 21:38:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!
helios.ee.lbl.gov!pasteur!ucbvax!JPNTSUK2.BITNET!870383
From: 870383@JPNTSUK2.BITNET (KOMATSU Toshiki)
Newsgroups: rec.ham-radio
Subject: One-chip KEYer info. needed .
Message-ID: <9007110447.AA17033@ucsd.edu>
Date: 11 Jul 90 04:38:17 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Wed Jul 11 05:38:17 1990
X-Local-Date: 10 Jul 90 21:38:17 PDT
```

Dear OMs,

I'm interested in electric keyer . Do you know '8044 one-chip Keyer' made by CURTIS Electro Devices ? Any information is welcome .

Thank you .

```
/ KOMATSU Toshiki
Dept.of CHEMISTRY,Univ.of Tsukuba.  E-mail:870383@JPNTSUK2.bitnet
phone :+81-(0)298-514590            mail  :P.O.Box 53,Tsukuba-Gakuen,
HAMnet:JF7WED@JI1ZMW.#12.JNET1.JPN           Ibaraki 305 JAPAN
```

```
From 6463216829149378137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84edfbd385185877
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 103802,84edfbd385185877
X-Google-Attributes: gid103802,public
X-Google-ArrivalTime: 1990-07-10 21:50:51 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!rutgers!att!drutx!schu
From: schu@drutx.ATT.COM (Steve Chu)
Newsgroups: rec.ham-radio,rec.radio.noncomm
Subject: Re: General Radiotelephone Operator License
Message-ID: <5857@drutx.ATT.COM>
Date: 11 Jul 90 04:50:51 GMT
References: <1710KOSSACKB@RICEVM1>
Organization: AT&T Denver
Lines: 52
```

Xref: gmdzi rec.ham-radio:12789 rec.radio.noncomm:117
Posted: Wed Jul 11 05:50:51 1990

in article <1710KOSSACKB@RICEVM1>, KOSSACKB@RICEVM1.BITNET (Jordan Kossack) says:

> Xref: drutx rec.ham-radio:21082 rec.radio.noncomm:173
>
> I'm looking for information on the FCC General Radiotelephone Operator License. Specifically, I would like to know the difference between the Class A, B and C licences - what they're required for, what is covered on the exams, etc.
>
> I'm an EE student with an interest in RF engineering and I have a Restricted Radiotelephone license, but that simply requires that one is able to fill out the requisite form. Are there any jobs where one is still required to have a Class A [or Class B or C] license? Any information would be appreciated. Unless you think your response is of general interest, please send e-mail. TNX.
>
> - Jordan, n5qvi

As such there are several classes of RADIOTELEPHONE Operator Licenses. The General RTPOL is issued to all previous holders of First Class and Second Class Licenses and Third Class Permits (47 CFR 13.2). The General RTPOL is valid for the lifetime of the holder (47 CFR 13.4). The Exam, taken after the paperwork, covers only Element 3. Radiotelephone Licenses may be renewed upto five years after expiration with loss of operating priviledges during the grace period.

> "(3) Technical, legal, and other matters, including basic operating practices and provisions of laws, treaties, and regulations, applicable to the operation of radiotelephone stations other than broadcast. (47 CFR 13.21(3)) ".

Transmitter operating, maintenance, and repair duties of transmitters used in accordance with Parts 73, 74, 80, and 87 of 47 Code of Federal Regulations may require a licensed commercial operator (47 CFR 13.61). Part 73 is Radio Broadcast Services i.e. AM, FM, TV, etc. Part 74 is Experimental, Auxiliary, and Special Broadcast Services. Part 80 is Stations in the Maritime Services. Part 87 is Aviation Services.

All citations are from the 1986 edition of CFR, changes may have occured.

ADVICE Warning!!!!!!

Unless you intend to use an EE degree to repair transmitters, then a General RadioTelephone Operators License is of small value. Good engineering practice in the design of RF circuits is more valuable than the rubber stamp of the FCC. RF circuits can be designed to be both rugged and frequency stable. Commercial operators are needed to keep the transmitters in good working order, i.e. on frequency and with in the power envelope. I am a degreed Electrical Engineer and a licensed General Radiotelephone Operator, and I have repaired transmitters for a living.

From -7935237481972974979
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 22:03:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!rutgers!bellcore!bellcore-2!thumper!karn
From: karn@thumper..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Was Re: The Demise of HR Magazine and Comments on CQ
Message-ID: <1990Jul11.050358.23531@bellcore-2.bellcore.com>
Date: 11 Jul 90 05:03:58 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com> <42720@apple.Apple.COM> <1990Jul10.170828.12138@cbnewsh.att.com>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 21
Posted: Wed Jul 11 06:03:58 1990

>In article <42720@apple.Apple.COM>, winter@Apple.COM (Patty Winter) writes:
>>
>> >I haven't read the latest 73's, but Wayne always seemed to have
>> >plenty of common sense in the past.
>>
>> When was this? I must have missed it....

Wayne does drop a few pearls of wisdom now and then (e.g., his strong support of no-code and the role that amateur radio should play in encouraging young people to enter technical careers, even if he does overstate the League's culpability in destroying American technological prowess.)

But he squanders any credibility he might have gained when he mixes in his off-the-wall ramblings about Scientology or UFOs or whatever. Not to mention his continuing to carry the Maxcom antenna-matcher ads. Two Daytons ago I confronted him about these frauds. Believe it or not, he actually tried to tell me that he had no control over what his Editor-in-Chief printed in the magazine he (Wayne) published...

Phil

From 1103717620757371600
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb0305f7ae2820b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 22:11:07 PST

Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!rutgers!bellcore!bellcore-2!thumper!karn
From: karn@thumper..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: flourescent light noise
Keywords: qrn
Message-ID: <1990Jul11.051107.23603@bellcore-2.bellcore.com>
Date: 11 Jul 90 05:11:07 GMT
References: <1779@nvuxr.UUCP>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 11
Posted: Wed Jul 11 06:11:07 1990

Low frequency (e.g., AM broadcast band) interference generated by appliances is almost always conducted back out the AC power cord and either radiated by the house wiring or conducted directly into a receiver. Many tabletop receivers use the power cord as an antenna, so interference isn't that surprising. Try putting an AC power line filter on the lamp and see if that helps. You can find power line filters of all shapes and sizes at just about any hamfest, including units with built-in AC power line connectors.

Phil

From -7833347976225938612
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,585e892d4f3b9863,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 04:44:36 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!samsung!sdd.hp.com!decwrl!
ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: AM Noise from Flourescent Lamps
Message-ID: <9007111144.AA02472@cmr.ncsl.nist.gov>
Date: 11 Jul 90 11:44:36 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 14
Posted: Wed Jul 11 12:44:36 1990

Phil Karn says that some AM radios use the line cord for the antenna. I'll agree if he changes this to ** FM **. All the built-in-antenna AM radios that I have seen (back to 1939 or so) used a loop. In the last few decades it has been wound on a ferrite core. This is generally tuned and is the entire pre-mixer selectivity.

The loop is far less sensitive to conducted noise than using the power line.

Phil is RIGHT in identifying that the noise is getting out of the lamp onto the AC line. Has the line filter gone bad?

Couldn't let this pass (;<)))   (Yes, I'm getting a double chin.)

Bob W3OTC

From 1800431407975883697
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,fca58adfa8850fb9,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,fca58adfa8850fb9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,fca58adfa8850fb9,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-07-11 05:48:06 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!rutgers!mcdchg!tellab5!fayne
From: fayne@tellabs.com (Jeffrey Fayne)
Newsgroups: rec.radio.shortwave,rec.ham-radio,sci.electronics
Subject: Bearcat 200XLT mods (QUERY)
Keywords: mods, 200XLT, Bearcat
Message-ID: <2981@tellab5.tellabs.com>
Date: 11 Jul 90 12:48:06 GMT
Sender: news@Tellabs.COM
Followup-To: rec.radio.shortwave
Lines: 33
Xref: gmdzi rec.radio.shortwave:1605 rec.ham-radio:12833 sci.electronics:7418
Posted: Wed Jul 11 13:48:06 1990

I'm sure this has been requested before, but I don't have any previous requests in my archives:

I just picked up a Bearcat 200XLT and was wondering what sort of mods are available (ie. blocked out freqs, scan speedups, etc.)?

I've seen ads for a book by Dr Rigor Mortis (nice name :)) that covers mostly the PRO series but is supposed to have mods for the 200XLT. Does anybody have a copy of this book and if so what are the mods for the 200XLT? BTW, anybody in the Chicago area know where this book is available?

Any pointers or any "Gee, all you gotta do is clip out the third diode from the left" type info would be greatly appreciated :^)

Thanks in advance,

                       Jeff

```
--
-----------------------------------------------------------------------------

 F-14             |    _    |               |  Jeffrey M. Fayne
   Tomcat         |  /^ ^\  |               |  Tellabs, Inc.
      ____________|_(  .  )_|____________   |  Lisle, IL  (708)-512-7726
           --*/--|_| (___) |_|--\*--        |  fayne@tellabs.com
              *       O O       *     fjs   |  Standard Disclaimer Applies
-----------------------------------------------------------------------------
```

```
From -3192532588896394045
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,80ea1f90a268a02e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 06:05:06 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!samsung!sdd.hp.com!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!ryn.esg.dec.com!ultnix!taber
From: taber@ultnix.enet.dec.com (Patrick Taber)
Newsgroups: rec.ham-radio
Subject: Re: Some CW procedure questions (reply is LONG)
Message-ID: <2186@ryn.esg.dec.com>
Date: 11 Jul 90 13:05:06 GMT
References: <900710-121240-5799@Xerox>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick Taber)
Organization: Murder Inc.
Lines: 30
Posted: Wed Jul 11 14:05:06 1990
```

> "RST 559" is the correct way to send a signal report. 55N has no defined meaning - it is absolute laziness to not send the character "9" in morse code.   If the practice were uniform, your "RST 559" would become "RST FFN". The problem with this, of course is that you do not know if you received a 559, 549, or 449!

An interesting thought, and if your interpretation of "N" was correct, then probably it would also be true. However, the "N" doesn't stand for "Nine" it is cut-code -- asystem of dash concatenation in sending numbers.

"N" is a number consisting of dashes followed by a single dit. the only number that meets that description is 9. Sending a "D" would mean dashes followed by two dits (8) sending an "A" would mean a dit followed by all dashes (1) sending a "U" means two dits followed by all dashes (2) etc. Thus 5 remains a series of 5 dits, since there are no dashes.
10 concatenates to "T".

Cut-code was developed by your beloved commercial telegraphers who did not receive early retirement for the practice,nor were they considered LIDs. The dah concatentation was considered a good thing because dah

were hard to send on a bug, while dits just required holding the paddle.
Cut code was (and still is) only used when there it is unambiguous that
you are sending a number.

>>>==>PStJTT
Patrick St. Joseph Teahan Taber

Copyright (c) 1990 Patrick Taber all rights reserved.
This message may not be used by any law enforcement agency nor may it be
used in any legal proceeding. That's the law.

From -3044458592263114710
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b260e4ab84dd4d4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 06:09:38 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!mcgill-vision!snorkelwacker!usc!samsung!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: How to deal with TVI
Message-ID: <960@ke4zv.UUCP>
Date: 11 Jul 90 13:09:38 GMT
References: <1990Jun28.172135.11814@lopez.UUCP> <1250192@hpnmdla.HP.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 84
Posted: Wed Jul 11 14:09:38 1990

In article <1250192@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>>I'm afraid that YOU are the one that is confused. When an unbalanced filter
>>is used to bypass unwanted RF energy to the chassis and the chassis is
>>not connected to ground, the chassis structure and the outside of the
>>coax shield, the microphone cord, the powerline, and any other wires
>>connected to the chassis become RADIATING ELEMENTS for that unwanted
>>RF. Thus the desired effect of preventing unwanted radiation is lost.
>>The currents between the coax center conductor and shield are supressed,
>>but that is of little use if the outside of the coax becomes "hot".
>
>>Gary KE4ZV
>----------
>
>OK, I'll try to explain it one more time. Perhaps a picture will help.
>

```
>      TRANSMITTER            COAX        L. P. FILTER      COAX
>________________________               ________________
>|                        |             |                |
>|                        ---------------                ---------
>| Transistor Collector---------------------+--coil--+------------ antenna
>|                        ---------------   |        |   ---------
>| Transistor Emitter-+   |             |  cap      cap  |
>|                    |   |             |   |        |   |
>|____________________|___|             |___|________|___|
```
>
>Please excuse the crude schematic.
>
>The transmitter generates an RF potential between the coax center
>conductor and "ground" (= chasses = coax shield). I have omitted the
>tranmitter output coupling network for clarity, but the same principle
>holds -- both input and output of the network are referenced to chassis
>"ground".
>
>The rf current going out the tranmsitter coax center conductor is matched
>by an equal and opposite return current flowing in the shield. Because of
>skin effect, this return current flows on the inside of the shield -- no
>current flows on the outside of the coax. In other words, there is no
>"common mode" current on the coax; it is all "differential mode" which
>means the two equal and opposite currents cancel and there is no radiation
>from the feedline.
>
>The filter acts the same way. To see this, you can ignore what is inside
>the unit and consider it a "black box". Kirchoff's law says that current
>is not created or destroyed in a circuit. If the two currents (center
>conductor and shield) entering on the left sum to zero (equal and opposite),
>then the same must be true of the currents in the center/shield of the coax
>exiting to the right.
>
>Note that the drawing above does not show an earth ground. All voltages
>inside the transmitter and filter are WITH RESPECT TO CHASSIS GROUND, NOT
>EARTH GROUND. You could connect a 1000 volt battery between chassis and
>earth without affecting circuit operation. Or a 1000V RF source.
>
>Even though the low-pass filter circuit is referenced to "ground", this
>does not imply "earth ground".
>
>Al N1AL

All of the above is true, including the part quoted from my earlier
posting. The apparant difference between our views is that your
explanation is correct in theory and mine is true in practice. The
difference between theory and practice is due to the fact that
practical flexible coax doesn't have perfect shielding, the skin
effect depth is greater than the depth of the shield, the transmitter
chassis is not a perfect Faraday cage, and misc other cables exit and
enter the transmitter cabinet to interconnect other necessary operating
equipment. All of this creates a SYSTEM that will radiate. I have
fought these problems in practice for 25 years at broadcast plants
and amateur installations over much of the Eastern US. Careful grounding
has been the only practical answer to these problems.

In mobile installations, we have to make every part of the system as
tight as possible so that we approach as closely as possible the
theoretical case since we have no large disipative ground field to
take care of incidental radiation. Luckily most mobile installations
use relatively low power and any leakage is not severe. In addition,

the mobile system is inclosed in a metal structure (car, plane, etc) that acts as a second shield. However, in high power fixed installations, the problem can be really severe even after we have tightened every leakage point as much as is practical.

This is not voodoo electronics, this is the real world.

Gary KE4ZV

From 1823557486263622470
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93bb952318113a1a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 06:14:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!PICA.ARMY.MIL!rwilgus
From: rwilgus@PICA.ARMY.MIL (Robert Wilgus, FSAC-ND)
Newsgroups: rec.ham-radio
Subject: Alinco 2 meter Amplifier/Kenwood TH225 HT
Message-ID: <9007110914.aa27949@FSAC1.PICA.ARMY.MIL>
Date: 11 Jul 90 13:14:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Wed Jul 11 14:14:50 1990

N2KRQ purchased this amplifier for mobile use,working with KZ2X,W2DDN & KB3TS during the installation of this amplifier it was noticed that the center pin on the 10 volt output jack of the amplifier was negative and the center pin of the input jack on the Kenwood TH225 was positive.A word of caution to all HAMS considering purchasing this amplifier to observe the polarity of the connector.

Once properly installed the Alinco Amplifier performs like a champion and N2KRQ is a satisfied customer.

de KZ2X

From 9157245941309413242
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b260e4ab84dd4d4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 06:26:53 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: How to deal with TVI
Message-ID: <961@ke4zv.UUCP>
Date: 11 Jul 90 13:26:53 GMT
References: <1990Jun28.172135.11814@lopez.UUCP> <1250189@hpnmdla.HP.COM>

<956@ke4zv.UUCP> <1990Jul11.015202.12250@eng.umd.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 37
Posted: Wed Jul 11 14:26:53 1990

In article <1990Jul11.015202.12250@eng.umd.edu> chuck@eng.umd.edu (Chuck Harris) writes:
>Gary, get your electrical engineering books out, and look up a Faraday
>shield. That is the thing that you get when you make a tight metal box.
>The shield (note the name) on the coax is also an example of a Faraday
>shield.

Chuck, get your test equipment out and MEASURE how good your shield really is. I haven't ever met a perfect Faraday shield cabinet in the real world.

>
>The transmitter is full of RF generating stuff that has frequencies that
>we don't want to radiate, so the manufacturer bottles it all up in a "tight
>metal box", and filters the unwanted RF off of any leads that leave the box.
>
>NO RF can get out of the box anywhere except thru the Coax.

It is to laugh. If you really believe this, you haven't TESTED some of the equipment in regular use.

>
[simple theory of filters stuff deleted]
>
>How does the transmitter's case get "hot" with RF? It does so by near
>field coupling with the antenna. If you would feed your balanced "dipole"
>like antenna with a balanced source (eg. use a balun), and move the antenna
>out of your bedroom you would find that much of your problem would go away.

OK, this is real. Feeding a balanced antenna with an unbalanced line is a no no. Of course, in this case we are talking about RF of the fundimental frequency coming back down the coax not incidental radiation at undesired frequencies which is what this disscussion started out to be about.

Please note that I don't disagree with the theory that several posters have quoted. I am merely trying to point out that, in practical equipment that I have had personal experience with, things aren't so simple.

Gary KE4ZV

From 3537332968635987616
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f4285b9aa5630ddb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 07:45:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!ron

From: ron@hpfcso.HP.COM (Ron Miller)
Newsgroups: rec.ham-radio
Subject: Re: Alligators and kerchunking
Message-ID: <7500021@hpfcso.HP.COM>
Date: 11 Jul 90 14:45:05 GMT
References: <12792@cadnetix.COM>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 29
Posted: Wed Jul 11 15:45:05 1990

Re: Kerchunking

I've been thinking and watching this discussion. I have some understanding of the irritation that frequent kerchunking can bring but, in some ways, kerchunking is useful.

I carry my Icom 02AT when I go dayhiking in the mountains here in Colorado. I regard it as a safety device. I cover various parts of the state and don't necessarily know where the repeaters I reach are. If I should need communications for an emergency, I would probably wind up in a search-for-a-kerchunk mode to find a usable repeater since I don't carry the weight of a repeater directory (yeah I could copy the pages but it still leaves an awful lot of choices to try) nor can I be sure of what I can reach (one side of a ridge will have a different selection of machines than the other side). Minimizing transmit time would definitely be a concern in the situation where battery conservation is required so a kerchunk would be more efficient.

Without kerchunking, I might have to listen all day (especially during the week) to find a usable repeater. With repeaters that don't kerchunk, I might not find them at all.

Then again, I suppose most of the concerns come from urban areas. Hell, (old fart voice ON) I remember when you could ragchew on the Tyson's Corner 34/94 machine in N. Virginia.... (old fart voice OFF)

Maybe if the UPS had taken 2 meters we would all be better off........ :-)

Ron NW0U (formerly WB4UWH)

From -7322284906275686502
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,134fa4f32a5bd4ce,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 08:19:23 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!image.soe.clarkson.edu!sunybcs!zaphod.mps.ohio-state.edu!usc!ucsd!ames!ncar!virga.ucar.edu!elmore
From: elmore@virga.ucar.edu (kim elmore)
Newsgroups: rec.ham-radio
Subject: Ramblings on Low Pass Filters
Message-ID: <7950@ncar.ucar.edu>
Date: 11 Jul 90 15:19:23 GMT

Sender: news@ncar.ucar.edu
Reply-To: elmore@virga.ucar.edu (kim elmore)
Organization: Research Applications Program/NCAR, Boulder, CO
Lines: 36
Posted: Wed Jul 11 16:19:23 1990

All of this stuff about LP filters fascinates me. As an Asst. Tech. Coordinator for the ARRL (or Evil Empire, take your pick) I get to play with lots of TVI cases. Especially so since near Denver we are cursed with a channel 2 *and* a channel 6!

Anyway, a few months ago someone wrote an article in QST about dissipative LP filters. I think it was Jon Bloom. Anyway, he pointed out that all a filter does is present a mismatch to the unwanted frequencies and that if the filter were made up only of reactive components, none of the unwanted energy would be dissipated, only reflected. Thus it may get dissipated someplace, but then it just may get radiated, too.

Well, having built a dissipative LP filter, it isn't for the timid. I'm not sure how you'd build one without some good inductance and capacitance meters and get it to work. But, what about some ferrite beads slipped over the coax on either side of the filter? Wouldn't they act to dissipate whatever "gets out"? Now, I'm only a research meteorologist, not a EE, but it makes sense to me.

Turns out that my ground system looked like a 1/4 wave at 56 MHz... So I tried this. It appeared to work very well. I also used the dissipative filter ("Heck, I built it... might as well.") and it helped a little, too. But, by far most progress seemed to be made by judicious use of ferrite beads in strategic places. The idea was to turn the unwanted RF into heat in a controlled fashion, instead of depending on it finding its way to earth ground.

So, all you EE gurus out there: Is this voodoo? Am I all wet? Was I just incredibly lucky? What have I missed?

73, Kim Elmore (N5OP)

****
Disclaimer: NCAR couldn't care less...
****

From -4440287208924679687
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,59a7f236a81e2348,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 103802,59a7f236a81e2348,start
X-Google-Attributes: gid103802,public
X-Google-Thread: 114aac,59a7f236a81e2348,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-11 08:23:21 PST

Path: gmdzi!unido!mcsun!uunet!decwrl!wuarchive!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio,rec.radio.shortwave,rec.radio.noncomm
Subject: Kenwood RZ-1 Birdies
Keywords: Birds
Message-ID: <3516@radio.oakhill.UUCP>
Date: 11 Jul 90 15:23:21 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 29
Xref: gmdzi rec.ham-radio:12832 rec.radio.shortwave:1604 rec.radio.noncomm:119
Posted: Wed Jul 11 16:23:21 1990

I purchased (as-is) a Kenwood RZ-1 wideband receiver at a hamfest (you know that place where 'honest' people go to give you an 'honest' deal). The thing was dead below 60 MHz. I sent it to Kenwood and for a reasonable price they replaced all the band switching diodes in the front end (this radio is surface mount technology and a bitch to work on). Apparently someone had shot a good dose of RF energy up the radio's antenna terminals thus blowing the diodes (nice going bright guys). The radio has bigtime birdies. Lotsa birdies. I traced the source to the control microprocessor. I added a supply bypass cap and the noise went down somewhat but it still has lotsa birdies! The Kenwood service tech says the 2 MHz clock on the control board radiates harmonics. OK so why do I have birdies at less than 2 MHz intervals?? No answer from Kenwood.

My question is ..... does anybody else have one of these little beasties? No self-respecting Japanese engineer would have let this type of behavior out of the design lab and I think there are some surface mount bypass caps that have cracked...thus causing the radiation. I don't believe this is normal behavior for the radio although Kenwood hinted that nothing could be done.

Thanks in advance,

Charlie Thompson (birdwatcher) WB4HVD

From 6121774270975020841
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e3b24375fc7f3d7e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 08:55:31 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!ames!ads.com!sparkyfs!hercules!fernwood!synopsys!georgez
From: georgez@synopsys.com (George Z)
Newsgroups: rec.ham-radio
Subject: TS-140/440 computer interface.

Keywords: TS-140/TS-440
Message-ID: <550@synopsys.COM>
Date: 11 Jul 90 15:55:31 GMT
Organization: Synopsys, Inc. Mountain View, CA USA
Lines: 11
Posted: Wed Jul 11 16:55:31 1990

YES, you can pole the status of the radio. In the case of the Kenwood line of HF radios, TS-140/440/940 you send it the INFORM command thus...

```
                IF;
```

The radio will respond with a string of about 36 ASCII characters which you must then break up into fields. This string contains the current vfo frequency, mode, Rit On/Off status, Rit offset, Split on/off, rx/tx, and other goodies.

73 de George KJ6VU Internet: georgez@synopsys.com

From 6261501915857482118
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,134fa4f32a5bd4ce
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 09:00:23 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!uakari.primate.wisc.edu!larry!sde
From: sde@larry.sal.wisc.edu (Scott Ellington)
Newsgroups: rec.ham-radio
Subject: Re: Ramblings on Low Pass Filters
Message-ID: <1111@larry.sal.wisc.edu>
Date: 11 Jul 90 16:00:23 GMT
References: <7950@ncar.ucar.edu>
Reply-To: sde@larry.sal.wisc.edu.UUCP (Scott Ellington)
Organization: Space Astronomy Lab, Madison, WI
Lines: 18
Posted: Wed Jul 11 17:00:23 1990

Reactive filters reflect power back to the source, so whether or not harmonics are radiated depends on what the source looks like. If there is no way for the harmonics to leak out of the source, they will not radiate. Unfortunately, many transmitters and amplifiers are not shielded and filtered well enough to prevent this type of radiation. A dissipative filter may help, but a more reliable solution is usually to shield and filter the RF source. This means, of course, that ALL the wires and cables passing through the RF source shield must be filtered. It's not always easy to do, but it is foolproof. If the harmonics can't get out, they can't radiate. Then it makes no difference how the system is connected to earth ground. Measures such as improving ground connections and placing ferrite beads all over the place are likely to be marginally effective methods of reducing radiation of harmonics which should never have been allowed to get out of the final amplifier in the first place.

Scott Ellington K9MA
sde@larry.sal.wisc.edu

From 4363192029032116544
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,80ea1f90a268a02e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 09:16:06 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!decwrl!bacchus.pa.dec.com!deccrl!decvax.dec.com!zinn!ubbs-nh!critz!rwc
From: rwc@critz.mv.com (Richard Critz)
Newsgroups: rec.ham-radio
Subject: Re: Some CW procedure questions (reply is LONG)
Message-ID: <234@critz.mv.com>
Date: 11 Jul 90 16:16:06 GMT
References: <900710-121240-5799@Xerox>
Reply-To: rwc@critz.MV.COM (Richard Critz)
Organization: critz - a personal system, nashua, nh
Lines: 47
Posted: Wed Jul 11 17:16:06 1990

In article <900710-121240-5799@Xerox> "wayne_a._lightsey.RochXRC"@XEROX.COM writes:

>"BT" is used for a break in the conversational flow . "II" is another
>abbreviation sometimes used for the same purpose. In traffic handling, the
>various elements of the message header, e.g. message number, "II", message
>precedence, "II", check (group count),"II", time, "II", etc. are seperated
>by the double-I sequence for clarity. After the address information in a
>mesage, there is a "BT" - seperating the heading/address from the text
>about to be sent. In voice traffic handling, the "BT" is sent as "break".
>After the text, another "BT" is sent (in military protocol signaling the
>end of the message, i.e. in lieu of "AR") seperating the text from the
>signature information (in ARRL NTS format).
>

While this is true in some cases for commerical traffic, it is ABSOLUTELY WRONG in NTS procedure. The entire preamble of an NTS message is sent with no punctuation or additional verbiage (excepting the NR on digital modes <yes, CW is digital> and the word "number" on voice modes), regardless of mode. "II" normally means that the operator has made a mistake and will resend the previous word.

>"DE Callsign" is an extended break-in process except when fulfilling the
>10-minute identification rule. You are not required to send the other
>stations callsign EXCEPT at the beginning and end of a series of
>transmissions.
>

This is not true. The only time you are EVER required to send the other station's callsign is when you have just passed a piece of 3rd party traffic to a station not in the U.S.

>"SK", In traffic handling parlance means you have sent the last of a
>series of messages and have no other traffic to send. (You never send

The "SK", though part of the procedure in commercial traffic, is ununsed in NTS traffic handling. You may use it as part of completing a pairing on a net but it is not a part of the traffic itself. On CW, a message ends "AR B" or "AR N" indicating more traffic or no more traffic to follow, respectively.

Rich KB4N
STM NH
--

```
Richard W. Critz, Jr.          |        ...{decvax!ubbs-nh, decuac}!critz!rwc
141 Hills Ferry Road           |                                rwc@critz.mv.com
Nashua, NH  03060              |                Packet:  KB4N @ KB4N.NH.USA.NA
------------------------------------------------------------------------------
```

From 2883431026943072823
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,abe11cd284f72b66,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 09:18:18 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pt.cs.cmu.edu!andrew.cmu.edu!paul+
From: paul+@andrew.cmu.edu (Paul J. Dujmich)
Newsgroups: rec.ham-radio
Subject: Which Rig is Best??
Message-ID: <Iaap5-y00WBL41hV1H@andrew.cmu.edu>
Date: 11 Jul 90 16:18:18 GMT
Organization: Computing Systems, Carnegie Mellon, Pittsburgh, PA
Lines: 18
Posted: Wed Jul 11 17:18:18 1990

I am planning on buying an HF tranciever in the near future.
I have narrowed down the choices to the following:

Yaesu FT-757 GXII (new) or Kenwood TS940 (new) or Kenwood TS440(new)
or ICOM IC745(used).

I would like to take a simple poll.Which one of the above is best, second best etc.(Assuming the used ICOM is in very good shape).
My last radio was an FT-101EE, so I'm not very familiar with the merits of any of the above radios. Please don't waste the net bandwidth. EMAIL me directly, and when I have all the responses, I'll post the results of the poll. Thanks
Paul

WA3TLD
pauld@fs1.ece.cmu.edu   or paul@andrew.cmu.edu

Remember: Only you can prevent me from buying a BUM rig!

From 7648009037837249474
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 09:29:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!bu.edu!xylogics!samsung!sdd.hp.com!decwrl!
bacchus.pa.dec.com!shlump.nac.dec.com!carafe.enet.dec.com!goldstein
From: goldstein@carafe.enet.dec.com (Fred R. Goldstein)
Newsgroups: rec.ham-radio
Subject: Re: Was Re: The Demise of HR Magazine and Comments on CQ
Message-ID: <13329@shlump.nac.dec.com>
Date: 11 Jul 90 16:29:44 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 22
Posted: Wed Jul 11 17:29:44 1990

In article <1990Jul11.050358.23531@bellcore-2.bellcore.com>,
karn@thumper..bellcore.com (Phil R. Karn) writes...
>But he squanders any credibility he might have gained when he mixes in
>his off-the-wall ramblings about Scientology or UFOs or whatever. Not to
>mention his continuing to carry the Maxcom antenna-matcher ads. Two
>Daytons ago I confronted him about these frauds. Believe it or not, he
>actually tried to tell me that he had no control over what his
>Editor-in-Chief printed in the magazine he (Wayne) published...

It's possibly true. When I worked there way back in '75 (yes, I admit it, I'm one of a zillion alumni), Wayne bought articles and wrote editorials, but the (mainly non-ham) staff did most of the work. But he owned it then and could exercise control. A few years ago he sold the whole operation (mostly computer mags) to Patrick McGovern (CW Communiations, as in "Computerworld", not "code") who gives him a long leash but no doubt still wants ad revenue...

Besides, he's possibly even more cynical than I.
---
```
Fred R. Goldstein   goldstein@carafe.enet.dec.com
                 or goldstein@delni.enet.dec.com
                    voice:  +1 508 486 7388
```

From 3081777486160461844
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b3cad49544a6731d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 09:51:10 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!milton!
dali.cs.montana.edu!samsung!sdd.hp.com!hplabs!hpl-opus!hpnmdla!carmijo
From: carmijo@hpnmdla.HP.COM (Chris Armijo)
Newsgroups: rec.ham-radio

Subject: Re: What is Phase Noise?
Message-ID: <1250193@hpnmdla.HP.COM>
Date: 11 Jul 90 16:51:10 GMT
References: <11822@netcom.UUCP>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 45
Posted: Wed Jul 11 17:51:10 1990

>>There are four basic methods to measure the phase noise of a CW source:
>>   1. Measure it directly with a spectrum analyzer
>>   2. Mix the signal down to a lower frequency and use a counter
>>   to measure the variance of the frequency.
>
>Doesn't this mean you need to sue a LO that is MUCH more stable than the
>amount of phase noise you are trying to measure? Then again, I guess the
>spectrum analyzer LO must also be very pure to make this kind of measurement.

Correct. This is why LO phase noise is an important spec for spectrum analyzers. As you might expect, high priced spectrum analyzers have the best phase noise. Lower priced instruments can have quite bad phase noise. In any case, if you doing the measurement using a spectrum analyzer, it's important for you to check the specs on the instrument. 20 dB better than what you are measuring should be o.k.

>>   3. Use a phase detector to measure the difference in phase
>>   between your source and a reference source. The output of
>>   the phase detector is displayed on a spectrum analyzer.
>>   4. Use a frequency discriminator to demodulate the "FM" signal
>>   and measure the output on a spectrum analyzer.

>>I guess this assumes that the discriminator is capable of doing some very
>>quick and accurate demodulation of the signal. If phase noise is truely
>>random (which it must be to be considered 'noise'), what kind of instantaneous
>>jumps in discriminator output would one observe using this technique?

The discriminator should have the same bandwidth as you are trying to measure for the phase noise. For example, if you want to look at the phase noise 100kHz away from the CW signal, you will need at least 100kHz of discriminator bandwidth. This is usually not a big problem because we are most often interested in phase noise close in to the signal.

>> Are there any good tips or techniques you (or anyone) can
>>suggest to ensure good phase noise performance?

I, like a lot of others, learned from a good mentor. A good reference book is:
     "Phase Noise", A. Robbins (I think this is right)
If you are really more interested, drop me a note by e-mail and I can try to find some copies of the H.P. application notes about phase noise. They're pretty good (i.e., readable and down to earth).

Chris Armijo
carmijo@hpnmdla.hp.com

From 2261720242644792912
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93bb952318113a1a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 10:15:38 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!mailrus!cornell!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: Alinco 2 meter Amplifier/Kenwood TH225 HT
Message-ID: <38606@cci632.UUCP>
Date: 11 Jul 90 17:15:38 GMT
References: <9007110914.aa27949@FSAC1.PICA.ARMY.MIL>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 11
Posted: Wed Jul 11 18:15:38 1990

I've tried this operation, also, in my alinco 230 amplifier (with pre-amp). I found that the ratings on the output power jack of the amp SHOULD have allowed me to operate the HT in low power directly from that jack. In reality, when I key up the HT using the amp as the power source, the thing shuts down completely. Power cycling the amplifier makes it work again.

Anybody else seen this? I simply gave up on that connector and don't use it.

Chris

From 8991081801362946175
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 10:40:53 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!mips!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Wayne, state of ham radio (Was Re: The Demise of HR Magazine...)
Message-ID: <42871@apple.Apple.COM>
Date: 11 Jul 90 17:40:53 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com> <42720@apple.Apple.COM> <1990Jul10.170828.12138@cbnewsh.att.com>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 46
Posted: Wed Jul 11 18:40:53 1990

In article <1990Jul10.170828.12138@cbnewsh.att.com> mrb1@cbnewsh.att.com (maurice.r.baker) writes:
>In article <42720@apple.Apple.COM>, winter@Apple.COM (Patty Winter) writes:

```
>> [someone else wrote]:
>> >I haven't read the latest 73's, but Wayne always seemed to have
>> >plenty of common sense in the past.
>>
>> When was this? I must have missed it....
>
>Well, he started BYTE magazine and advised hams to get started making
>money in the upcoming (we're talking 1975 here) microcomputer revolution.
>Apple Computer [your employer] seems to have done pretty well,
>along those lines.

Yes, Apple has done fine, but I don't think we can give Wayne Green
credit for it. :-)

I'm not aware of any hams in the early Apple staff. We had a veep a
few years ago, but that was 'way after the period you're talking about.
And we didn't get John Sculley (ex-ham) until just few years ago. So
as far as Apple is concerned, I don't know of any hams who took Wayne's
advice to make money from microcomputers. Any of the other Apple hams
out there know of any?

I agree with Phil Karn: Wayne has some good ideas, but they're lost
in the noise. Besides, people who are against more things than they're
for drive me up the wall.

>Just a bunch of rabblerousers, armchair lawyers and
>frustrated police-wannabe's for the most part (rec.ham-radio is an interesting
>microcosm of all this).

I'm sorry that this has been your experience. Yes, there's too much
of this kind of activity. But there are also lots of super nice people,
including some who will travel anywhere anytime to help with emergency
communication. I know because there are many of those people in my area.
I strongly suspect that there are plenty of nice hams in your area, too.


Patty

p.s. I'm actually a contractor, just for the record.
--
****************************************************************************
Patty Winter N6BIS                        INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                     UUCP: {decwrl,nsc,sun}!apple!winter
****************************************************************************


From 9039991513611524753
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c9a62cea82f08bb8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 10:46:54 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!mips!apple!winter
From: winter@Apple.COM (Patty Winter)
```

```
Newsgroups: rec.ham-radio
Subject: Re: Worldwide network of HF propagation beacons. . .
Message-ID: <42872@apple.Apple.COM>
Date: 11 Jul 90 17:46:54 GMT
References: <1990Jul3.030049.8312@midway.uchicago.edu> <7527@gollum.twg.com>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 26
Posted: Wed Jul 11 18:46:54 1990

In article <7527@gollum.twg.com> sawyer@twg.com (Bruce B. Sawyer) writes:
>Now that you know at least some of what NCDXF does, why not learn more?  I
>think you'ld be amazed at the list of expeditions NCDXF has supported.
[edited]
>  Do yourself and other DXers a favor--drop a line to W6OAT and ask
>how you can help.

Actually, it would be best to use the address I posted in my followup
to the beacon question last week. Refresher course:

         NCDXF
         P.O. Box 2368
         Stanford, CA 94309

That way it will be given directly to the person who handles information
requests.


73,
Patty

--
*****************************************************************************
Patty Winter N6BIS                       INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                    UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************


From -5032809123693416286
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fca58adfa8850fb9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 10:52:59 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!rutgers!mcdchg!tellab5!fayne
From: fayne@tellabs.com (Jeffrey Fayne)
Newsgroups: rec.ham-radio
Subject: Bearcat 200XLT mods  (QUERY)
Message-ID: <2987@tellab5.tellabs.com>
Date: 11 Jul 90 17:52:59 GMT
Sender: news@Tellabs.COM
Lines: 33
Posted: Wed Jul 11 18:52:59 1990
```

I'm sure this has been requested before, but I don't have any previous
requests in my archives:

I just picked up a Bearcat 200XLT and was wondering what sort
of mods are available (ie. blocked out freqs, scan speedups, etc.)?

I've seen ads for a book by Dr Rigor Mortis (nice name :)) that
covers mostly the PRO series but is supposed to have mods for the
200XLT. Does anybody have a copy of this book and if so what are
the mods for the 200XLT? BTW, anybody in the Chicago area know where
this book is available?

Any pointers or any "Gee, all you gotta do is clip out the third
diode from the left" type info would be greatly appreciated :^)

Thanks in advance,

Jeff

```
--
-----------------------------------------------------------------------------
 F-14             |    _    |               |  Jeffrey M. Fayne
   Tomcat         |  /^ ^\  |               |  Tellabs, Inc.
      ____________|_(  .  )_|____________   |  Lisle, IL  (708)-512-7726
           --*/--|_| (___) |_|--\*--        |  fayne@tellabs.com
              *       O O       *     fjs   |  Standard Disclaimer Applies
-----------------------------------------------------------------------------
```

From 1490966324511448487
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,80ea1f90a268a02e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 10:56:29 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!mips!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: Some CW procedure questions (reply is LONG)
Message-ID: <42873@apple.Apple.COM>
Date: 11 Jul 90 17:56:29 GMT
References: <900710-121240-5799@Xerox> <1990Jul10.212044.473@math.lsa.umich.edu>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 33
Posted: Wed Jul 11 18:56:29 1990

In article <1990Jul10.212044.473@math.lsa.umich.edu> hideg@spsd3260a.erim.org
(Steve Hideg) writes:

>You are not required to send the other station's callsign at all in U.S. domestic QSOs.
>
>You are not required to send your callsign at the beginning of a U.S. domestic QSO, only at 10-minute intervals and at the end of the QSO.

Unless something has changed recently (are you there, KA6S?), it doesn't matter whether it's a domestic QSO or not. All U.S. hams have to do is ID at the end of the QSO, and every 10 minutes if it's longer than that.

However, if you're transmitting third-party traffic, you do need to give the callsign of the station you're talking to, at the end of the QSO.

Patty

p.s. I left the default distribution on this because I know there are some overseas hams who hold U.S. licenses or operate here under their home calls.

p.p.s. How come lots of postings I see don't have a specified distribution? Are there news posting programs that don't require it? Does that mean they don't even prompt the poster to make a choice? Seems like that could account for a lot of postings that wind up with worldwide distribution unnecessarily.

```
--
*****************************************************************************
Patty Winter N6BIS                          INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                       UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From -3696925738962485355
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7e8f66c5890e575
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 11:14:50 PST
Path: gmdzi!unido!mcsun!uunet!seismo!dimacs.rutgers.edu!mips!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: Half baked satellite idea
Message-ID: <42874@apple.Apple.COM>
Date: 11 Jul 90 18:14:50 GMT
References: <1990Jul10.223934.1550@ameristar>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 64
Posted: Wed Jul 11 19:14:50 1990

In article <1990Jul10.223934.1550@ameristar> rick@ameristar.uucp (Rick Spanbauer) writes:
>On NPR this evening it was mentioned that there may be a joint

> USSR-US satellite launch facility built in Australia. The idea is to use Soviet rockets to launch US (& presumably other) satellites. What does this have to do with Amateur Radio? Well, it was mentioned that the first two launches will be with "dummy" payloads. Which sets the mind to wondering whether an amateur radio satellite could take advantage of the free ride (& potentially be larger than usual since the ride is for testing anyways). Have the amateur radio satellite types started pursuing this angle? Enquiring minds want to know ;-)

Hmmm. In addition to AMSAT-NA and the Soviet RS satellite developers, maybe we need to make sure these guys know about it:

From: lindley@ditsyda.oz (Craig.Lindley)
Newsgroups:aus.general,aus.radio,aus.radio.amsat,sci.space,sci.physics,sci.astro
Subject: Amateur Space Engineering Group
Keywords: spacecraft,amsat
Message-ID: <2679@ditsyda.oz>
Date: 6 Jul 90 02:58:19 GMT
Distribution: aus
Organization: CSIRO DIT Sydney, Australia

Formative Meeting for an
Australian Amateur Space Engineering Group

1. Possible projects. Initial suggestions are:
- take on the construction of an Australian AMSAT.
(Already proposed in association with the ALV project.)
- a small space science payload.
- an orbiting telescope (bandwidth?).
- discussion of launchers (to build, buy, borrow, or piggyback).

2. Resources avaiable. This includes
- money
- time
- expertise
- engineering support - facilities, etc..
- operational support - ground stations, etc., many of which already exist for AMSAT.

3. Organizational structure and methods of communication. This includes the number of people to involve, and the issue of whether or not to become a formal group.

4. Existence of related groups, and the formation of relationships with them.

Contact: Craig Lindley, 887 9441
email: lindley@ditsyda.oz

****

Anyone know what the "ALV project" is???

Patty
--
****
Patty Winter N6BIS   INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]   UUCP: {decwrl,nsc,sun}!apple!winter
****

From -2058011167513792322
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7596f1ebb9176430
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 11:31:06 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!koning.enet.dec.com!koning
From: koning@koning.enet.dec.com (Paul Koning)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TS140s computer interface ? & TS140s vs TS440s
Message-ID: <13336@shlump.nac.dec.com>
Date: 11 Jul 90 18:31:06 GMT
References: <38576@cci632.UUCP> <1990Jul8.202610.2283@dhw68k.cts.com> <1990Jul10.004713.26575@midway.uchicago.edu>
Sender: newsdaemon@shlump.nac.dec.com
Reply-To: koning@koning.enet.dec.com (Paul Koning)
Organization: Digital Equipment Corporation
Lines: 21
Posted: Wed Jul 11 19:31:06 1990

>
> Does the command set inside these radios (TS-440, 140, icom, kenwood, etc.)
> allow you to poll the radio for its current frequency, or do they just
> could your electronic logger automatically "grab" the frequency from the
> radio and store it in the computer). I have not seen the command set for
> any of these computer interfaces.

The Kenwood radios definitely offer what you need, in two ways:
1. You can poll the current state of the radio (not just frequency
   but various mode information as well)
2. You can instruct the radio to report the state whenever it changes,
   automatically. When you tune around the band, the report comes out
   as soon as you stop moving the tuning knob for about a second.

Either mechanism is great for logging. I've used #2 to check for subband violations or contest-specific band limits (put up a bold blinking message when the frequency is wrong). Kenwood has a datasheet for the computer connect box that gives one-line summaries of the commands. More details were posted here on the net a year or two ago.

paul

From -8947501682650148283
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7395d509f1cacac8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 11:45:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!hpdmd48!jmcvey
From: jmcvey@hpdmd48.HP.COM (John McVey)
Newsgroups: rec.ham-radio
Subject: Mods wanted for Kenwood TR2500
Message-ID: <530013@hpdmd48.HP.COM>
Date: 11 Jul 90 18:45:34 GMT
Organization: Hewlett Packard - Boise, ID
Lines: 7
Posted: Wed Jul 11 19:45:34 1990

Where can I find out about mods for a Kenwood TR2500 HT?
I am interested in weather band. Any chances?

Thanks in advance,

John McVey
jmcvey%hpbslq@hplabs.hp.com

From -6245230910680703864
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7596f1ebb9176430
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 11:45:55 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!sdd.hp.com!hp-pcd!hplsla!charlier
From: charlier@hplsla.HP.COM (Charlie Panek)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TS140s computer interface ? & TS140s vs TS440s
Message-ID: <5720074@hplsla.HP.COM>
Date: 11 Jul 90 18:45:55 GMT
References: <1990Jul10.004713.26575@midway.uchicago.edu>
Organization: HP Lake Stevens, WA
Lines: 165
Posted: Wed Jul 11 19:45:55 1990

OK, there seems to be some interest, so here's the command set for the
TS-440. I have received mail from someone who tells me that, yup,
ALL the kenwood rigs understand pretty much the same commands.

Command Descriptions for Kenwood TS-440

```
                         Auto Information
    AIn;                 The radio will send the status info automatically when
                         the operator changes any control covered in the IF;
                         command.
```

```
                              n = 0 for Auto Info OFF
                              n = 1 for Auto Info ON

                    See IF; for response

                    Display Memory
DMnnnn;             This is a factory diagnostic and is of no practical
                    use.

                              nnnn = MPU address in hex

                    Response is:
                    DMnnnn-aabbccddeeffgghhiijjkk;
                              nnnn = MPU address in hex
                              aa~kk = 16 bytes of data in hex

                    Down
DN;                 The frequency or memory channel will go down by one
                    step.
   ( KX7L note: The UP; and DN; commands seem to have a bug, at least
    in our '440.  It will only let you do one UP or DN cmd. i.e.
    UP;UP;UP; changes the frequency the same as UP;)

                    Read Frequency
FA;                 Read VFO A.
FB;                 Read VFO B.

                    Response is:
                    Fxggmmmkkkhhh;
                              x = A or B
                              gg  = GHz.
                              mmm = MHz.
                              kkk = KHz.
                              hhh =  Hz.

                    Load VFO register
Fxggmmmkkkhhh;      Loads a frequency into a VFO:
                              x = A or B (selects VFO)
                              gg  = GHz. (May be 00 or spaces)
                              mmm = Mhz.
                              kkk = KHz.
                              hhh =  Hz.

                    Function Select
FNn;                Select VFO or memory
                              n = 0 for VFO A
                              n = 1 for VFO B
                              n = 2 for memory

                    Identify Model Request
ID;                 The radio will respond with:
                              ID001; for a TS-940
                              ID004; for a TS-440
                    The radio may respond with:
                              ID002; for a TS-811
                              ID003; for a TS-711

                    Read Information Request
IF;                 The radio will respond with:
                              IFggmmmkkkhhhsnnnzrxyytdfcp;
                              ggmmmkkkhhh is the frequency (See Fx;)
                              s   = "+" or "-" value of RIT/XIT
                              nnn = value of RIT/XIT
                              z   = "0" (I am not sure what this is)
                              r (see RT;)
                              x (see XT;)
                              yy  = memory channel number
                              t   = 0 for Receive
                                  = 1 for Transmit
                              d (see MD;)
                              f (see FN;)
                              c (see SC;)
                              p (see SP;)

                    Lock Knob
LKn;                Enable or disable manual frequency control:
                              n = 0 for LOCK OFF (manual control enabled)
                              n = 1 for LOCK ON (manual control disabled)

                    Memory Channel Select
MCmmm;              Select a memory channel:
                              mmm = channel number (000 to max for radio)

                    Mode Select
MDn;                Select mode:
                              n = 1 for LSB
                              n = 2 for USB
                              n = 3 for CW
                              n = 4 for FM
                              n = 5 for AM
                              n = 6 for FSK

                    Memory Read
MRnrrr;             Read contents of memory channel:
                              n = 0 for RX VFO
                              n = 1 for TX VFO (split channels only)
                              rrr = channel number (000 to max for radio)

                    The radio will respond with:
                              MRnrrrggmmmkkkhhhdxxxxx;
                              n = 0 for RX VFO
                              n = 1 for TX VFO
                              rrr = channel number
                              ggmmmkkkhhh is freq. (See FA;)
                              d = mode (See MD;)
```

```
                                        xxxxx = not used (seem to always be "0    ")

                              Memory Write
     MWnrrrggmmmkkkhhhdxxxxx;
                              Write a memory. See MR; for format


                              RIT/XIT Clear
     RC;                      The RIT/XIT register will be set to 0.00 KHz.

                              RIT/XIT Down
     RD;                      Decrement the RIT/XIT register by 0.01

                              RIT/XIT Up
     RU;                      Increment the RIT/XIT register by 0.01

                              RIT Enable
     RTn;                     Enable or diable the RIT function
                                        n = 0 for RIT OFF
                                        n = 1 for RIT ON

                              Receive
     RX;                      Enter receive mode.

                              Scan Enable
     SCn;                     Turns scan on and off
                                        n = 0 for Scan off
                                        n = 1 for scan on

                              Transmit
     TX;                      Enter transmit mode.

                              UP
     UP;                      The frequency or memory channel will increment one
                              step

                              XIT Enable/Disable
     XTn;                     Turns XIT on and off
                                        n = 0 for XIT off
                                        n = 1 for XIT on
```

----

courtesy of - Mark Bramwell, VE3PZR

```
Charlie Panek (UUCP:   hplabs!hp-pcd!hplsla!charlier)
KX7L          (domain: charlier%hplsla@hplabs.hp.com)
```

```
From -6086174809548532403
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d949ac3d7622ea35,start
```

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 11:48:24 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpcc01!hpdmd48!jmcvey
From: jmcvey@hpdmd48.HP.COM (John McVey)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood PB-2 nicad packs, open w/o destroying?
Message-ID: <530014@hpdmd48.HP.COM>
Date: 11 Jul 90 18:48:24 GMT
References: <2700011@hp-ptp.HP.COM>
Organization: Hewlett Packard - Boise, ID
Lines: 10
Posted: Wed Jul 11 19:48:24 1990
```

I have just repaired two Kenwood PB-25 packs. After I slid
them off of the HT I just pried apart the two halves from the
top. They are snap fit. No screw removal was necessary.

My packs needed new nicads.

Good luck,

John Mcvey
jmcvey%hpbslq@hplabs.hp.com

```
From 4437766940917446688
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16d0a1d7bde0f8ce
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 12:10:08 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-
state.edu!sol.ctr.columbia.edu!cica!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: HAM RADIO IN DANGER
Message-ID: <326.269B79E0@w8grt.fidonet.org>
Date: 11 Jul 90 19:10:08 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 48
Posted: Wed Jul 11 20:10:08 1990
```

```
 > From: john@anasaz.UUCP (John Moore)
 > Date: 10 Jul 90 19:20:13 GMT
 > Organization: Anasazi, Inc.
 > Message-ID: <2670@anasaz.UUCP>
 > Newsgroups: rec.ham-radio
 >
 > In article <319.2697A4C5@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org
 > (Jim Grubs) writes: ]No. I don't think of ham radio as an antique
 > wireless museum, which is
 > ]basically what happens on HF. I think of ham radio as a National Park
 > ]of the
 > ]Mind where the curious can go adventuring on the frontiers of
 > ]technology. THAT
 > ]is happening on VHF and up.
 >
 > Ah... don't get too down on HF. There are plenty of technical challenges
 > left on HF. For example:
 >   (1) continued research on propagation;
 >   (2) how to do packet radio EFFECTIVELY given the problems of HF
 >       propagation, bandwidth and the inevitable hidden terminal problem;
 >   (3) antenna work (antennae are a LOT more predictable at VHF
 >       because they don't interact with funky grounds as much);
 >   (4) noise reduction/cancellation techniques.
 >
 > I don't think that the future of amateur radio is just on VHF and up!
 > HF has unique problems, and it also has unique capabilities. Don't
 > neglect it just because a lot of old farts hang out there and
 > chew the rag.
```

Well, we could argue the point ad nauseum. I think the main thrust of ham radio in the future (although obviously not to the total exclusion of all else) is in the area of computer networking. Most of the opportunities for research that were listed also happen to be the main reasons why HF is not particularly suitable for mainline networking. That it works at all on HF is a marvel.

In the first place, I don't think we are going to gain HF bands anyway. From what I have read, it is entirely possible we may lose 30 meters and 40 meters to SW broadcasting. (Talk about your basic dinosaurs!)

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: {ncar!asuvax!stjhmc!,iuvax!ndmath!nstar}!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

```
From -3877789574451650950
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,80ea1f90a268a02e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 12:38:04 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!
ricks.enet.dec.com!reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: Re: Some CW procedure questions (reply is LONG)
Message-ID: <13339@shlump.nac.dec.com>
Date: 11 Jul 90 19:38:04 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
```

Lines: 49
Posted: Wed Jul 11 20:38:04 1990

In article <900710-121240-5799@Xerox>, "wayne_a._lightsey.RochXRC"@XEROX.COM writes...

>"RST 559" is the correct way to send a signal report. 55N has no defined
>meaning - it is absolute laziness to not send the character "9" in morse
>code.   If the practice were uniform, your "RST 559" would become "RST
>FFN". The problem with this, of course is that you do not know if you
>received a 559, 549, or 449!

I don't know the history of sending 'N' in place of 9. However, based on other letters that are similarly abbreviated, the 'N' is not an abbreviation for the 'n' in Nine, but rather the abbreviation for "----." Here are the common abbreviations

0 - T
1 - A
9 - N

Numbers are special because there's a pattern to them. Once you hear the transition from "dah" to "dit" you know what number it is. For example, once you hear two "dits", then the first "dah", you know the number is going to be a 2. So you could (if you wanted to), abbreviate 2 as U. So I would guess that T means 0 because there are no dits to transition to. A means 1 because once you get the 1st dit, then the 1st dah, you know the rest are dahs and you know it's a 1. So actually, by this pattern, you would abbreviate 6 as dah-dit (which is an N), but someone decided this would be 9. I wouldn't abbreviate 5 as F, but rather as E (see the 0 case above).

I don't think sending 'N' instead of '9' is a bad practice at all, why waste our bandwidth sending stuff that can be abbreviated? 9 is one of the longest characters in the entire code (besides 0) anyway.

"Seventy Threes and Thank You for the Contact. Hope to See you again"

"73 TKS 4 QSO HPE CU AGN"

Tell me, which one exchanges the info faster?

jim, AD1C

=-=

"The opinions expressed here in no way represent the views of Digital Equipment Corporation."

James J. Reisert   Internet: reisert@ricks.enet.dec.com
Digital Equipment Corp.   UUCP: ...decwrl!ricks.enet!reisert
77 Reed Road
Hudson, MA 01749-2895

From -5267668923909834366
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dce698b71fb7555b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 12:49:47 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!crdgw1!trub
From: perley@trub (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Antenna question
Message-ID: <9638@crdgw1.crd.ge.com>
Date: 11 Jul 90 19:49:47 GMT
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@trub.crd.ge.com (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 20
Posted: Wed Jul 11 20:49:47 1990

I was planning on making the delta-v antenna described in the recent antenna issue of Ham Radio (may?), and have a couple of questions.

Since this a high impedance (800 ohm) non-resonant antenna with a terminating resistor, is it safe to assume that the wire conductivity is less important than with a resonant antenna? I was hoping to use 14 guage steel fence wire (at ~1 cent/foot, plus I already have enough) rather than copper.

Second, what is the usual practice for enclosing the terminating resistor? Since it may have to dissipate up to 100 watts (not with my current rig), an airtight enclosure doesn't sound ideal. Per the article's suggestion, the termination will be 50 39 Kohm 2 watt resistors in parallel.

-don perley, ke2tp

perley@trub.crd.ge.com

From 6590194920015705943
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b260e4ab84dd4d4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 12:49:56 PST
Path: gmdzi!unido!mcsun!uunet!optilink!elliott
From: elliott@optilink.UUCP (Paul Elliott x225)
Newsgroups: rec.ham-radio
Subject: Re: How to deal with TVI
Summary: maybe dissapative filters?
Message-ID: <4007@optilink.UUCP>

Date: 11 Jul 90 19:49:56 GMT
References: <1990Jun28.172135.11814@lopez.UUCP> <1250189@hpnmdla.HP.COM>
<956@ke4zv.UUCP>
Organization: Optilink Corporation, Petaluma, CA
Lines: 39
Posted: Wed Jul 11 20:49:56 1990

In article <956@ke4zv.UUCP>, gary@ke4zv.UUCP (Gary Coffman) writes:
] In article <1250189@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
] >
] >>How effective is a filter which includes a ground as part of the design,
] >>if you leave it UNGROUNDED?
] >[...]
] >If you have an external low-pass TVI filter, its internal circuitry is
] >likewise referenced to CHASSIS ground (same as coax shield).
] >[...]
]
] I'm afraid that YOU are the one that is confused. When an unbalanced filter
] is used to bypass unwanted RF energy to the chassis and the chassis is
] not connected to ground, the chassis structure and the outside of the
] coax shield, the microphone cord, the powerline, and any other wires
] connected to the chassis become RADIATING ELEMENTS for that unwanted
] RF. Thus the desired effect of preventing unwanted radiation is lost.
] The currents between the coax center conductor and shield are supressed,
] but that is of little use if the outside of the coax becomes "hot".

It still seems to me that the "floating" coaxial filter would do a good job, *provided*that* the transmitter shielding is good and the cable from the transmitter to the filter is short. A completely shielded enclosure will not radiate, regardless of what is inside, or what is connected to the outside. If the filter is very close to the enclosure, it can be considered as part of the shield, and will isolate the external connections from the internal ones. Of course real-world filters and shields are not perfect, so maybe that's what we are shouting about (er.. "discussing")..

In any case, perhaps this argues for the use of the "dissapative" type of filters (the ones that are effectively diplexers with dummy load to convert the spurious R.F. to heat). Thus you dont have as much of a problem with stray R.F. circulating around, looking for a way to get out.

-Paul wb6cxc
--
Paul M. Elliott   Optilink Corporation   (707) 795-9444
{uunet, pyramid, tekbspa}!optilink!elliott
"an archetypal entity..., superimposed on our culture by a cosmic template."

From 819678302031812943
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 12:50:52 PST

Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!rutgers!bellcore!messy!mo
From: mo@messy.bellcore.com (Michael O'Dell)
Newsgroups: rec.ham-radio
Subject: Re: Wayne and Byte...
Message-ID: <25204@bellcore.bellcore.com>
Date: 11 Jul 90 19:50:52 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com> <42720@apple.Apple.COM> <1990Jul10.170828.12138@cbnewsh.att.com> <42871@apple.Apple.COM>
Sender: news@bellcore.bellcore.com
Reply-To: mo@messy.UUCP (Michael O'Dell)
Organization: Center for Chaotic Repeatabilty
Lines: 8
Posted: Wed Jul 11 20:50:52 1990

Wayne Green didn't start Byte, he started a competitor to Byte
called Kilobaud. It lasted about a year. I still have a compete set.

Byte was started by Carl Helmers. I heard of Byte through the grapevine
and sent him a letter subscribing to whatever he was doing.
His reply letter is bit of cherished youthful memorobelia.

-Mike

From 5102091256421541242
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,211b1e0a60b84b9e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 12:54:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!hpdmd48!smesko
From: smesko@hpdmd48.HP.COM (Steve Mesko)
Newsgroups: rec.ham-radio
Subject: Re: Dentron dummy antenna oil leak warning
Message-ID: <530015@hpdmd48.HP.COM>
Date: 11 Jul 90 19:54:31 GMT
References: <103123@philabs.Philips.Com>
Organization: Hewlett Packard - Boise, ID
Lines: 6
Posted: Wed Jul 11 20:54:31 1990

I purchased a Cantenna from Heathkit 17 years ago. It still has the
original mineral oil and is in good shape - inside and out. No leaks.

Steve WB7Y

From -4176435849351868091
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,c96982b42431958b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 13:48:30 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!PUCC.PRINCETON.EDU!DXANDY%widener
From: DXANDY%widener@PUCC.PRINCETON.EDU
Newsgroups: rec.ham-radio
Subject: Online Callbook
Message-ID: <5A070B0F2C1F0256-MTABWIDENER*DXANDY@widener>
Date: 11 Jul 90 20:48:30 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Wed Jul 11 21:48:30 1990

Hi!

There used to be an online callbook for US callsigns that was located at callbook@sat.datapoint.com, but recently I have not been able to get any response from it. Is it still up? There was an article recently on the digest about a callbook server on packet, is this accessable from BITNET or Internet?

Andy Greenshields N3IGS
[dxandy@widener.BITNET]

From 7952493778758585702
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b260e4ab84dd4d4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-11 14:45:39 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Re: How to deal with TVI
Message-ID: <9007112154.AA02737@ti.com>
Date: 11 Jul 90 21:45:39 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Wed Jul 11 22:45:39 1990

As in so many other discussions, here is another case of different arguments being correct while at the saame time not addressing the central point. In this case, TVI. What has been neglected up to now is the fact that it is the receiving point, not the transmitting point, that is getting the interference. Al (N1AL) correctly points out that unwanted radiation *going to the antenna* is filtered out. Correctomento. But TVI may not be introduced from the transmitting antenna: As someone pointed out, it can come from the feedline, or any other metal object connected to the transmitter.

The confusion seems to arise over what is the common point. The only point that is common to both the transmitter and the TV in this hypothetical problem is the ground...Earth Ground. Therefore, any rf potential that is generated with reference to Earth Ground is likely to be seen by the TV. Unless some point of the transmitter (usually its "ground") is connected to the Earth Ground, any rf potential between any point of the "floating" transmitter and Earth Ground may become TVI. Phase differentials generated within the set, and even within the filters themselves, can create enough rf potential to cause problems.

I think your best and easiest move to try to eliminate TVI is to use a good Earth Ground for your transmitter first, and then use filtering and shielding.

73,
Dube Todd N5PDK

From -2830419174661448389
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16d0a1d7bde0f8ce
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-09 00:04:12 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: HAM RADIO IN DANGER
Message-ID: <319.2697A4C5@w8grt.fidonet.org>
Date: 8 Jul 90 21:11:46 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 29
Posted: Sun Jul 8 22:11:46 1990

> From: vtcqa@shamash.cdc.com (VTC)
> Date: 8 Jul 90 07:12:59 GMT
> Organization: Control Data Corporation, Arden Hills, MN
> Message-ID: <23303@shamash.cdc.com>
> Newsgroups: rec.ham-radio,rec.ham-radio.packet
>
> Lets get optimistic: Most of the stuff on the hf bands you hear is
> going to
> be replaced with satellite communications. I know for a fact that this
> is
> true for maritime mobile. Wouldnt an extra 10 or 15 mhz in the hf bands
> be
> a nice acquisition ?

No. I don't think of ham radio as an antique wireless museum, which is basically what happens on HF. I think of ham radio as a National Park of the Mind where the curious can go adventuring on the frontiers of technology. THAT is happening on VHF and up.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: {ncar!asuvax!stjhmc!,iuvax!ndmath!nstar}!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ___________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

From -4942844828517885980
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61b38504f909074a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-09 00:07:03 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Remotely Tuned HF Beam Antenna
Summary: problems, yagi
Message-ID: <882@ssc.UUCP>
Date: 8 Jul 90 17:43:55 GMT
References: <3028@sunpix.East.Sun.COM>
Organization: very little
Lines: 49
Posted: Sun Jul 8 18:43:55 1990

In article <3028@sunpix.East.Sun.COM>, gb@sunpix.East.Sun.COM (Gary Bishop - Sun Visualization Products) writes:
> The plan is to put up a three element beam cut for 20 meters. At the
> center of each beam element there will be a tuning unit with a
> variable capacitor that can be controlled from the shack. By tuning
> the elements it should be possible to achieve optimum operation (gain
> or fb ratio, not both simultaneously) on any frequency on the band.

My 3 element 20 meter Yagi has a director and reflector that are each a continuous piece of aluminum tubing. How would a variable capacitor tune these elements?

> If the tuning unit has sufficient range, it should be possible to
> operate the beam on 20, 17, 15, 12, and 10M by retuning the elements
> for proper resonance. The antenna would have increasing gain as
> frequency is increased.

To be effective, a Yagi requires precise spacing in terms of a fraction of a wavelength between each element. If I am using .18 wavelength spacing from the driven element to the director on 20, that becomes .36 wv on 10 meters. Also, my .507 wv driven element on 20 becomes over one wavelength long on 10, no matter how you tune it.

I see problems!

n>

> This brings up several implementation questions for further research.
>
> 1) What sort of tuning unit?

A MAGIC one! :)

>
>   Any other ideas?

How about just buying a commercial triband Yagi with traps? Or perhaps that Mosley model that works all the WARC bands in between? It should work a LOT better!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 4374703868386295089
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b3cad49544a6731d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-09 00:07:57 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!netcom!mcmahan
From: mcmahan@netcom.UUCP (Dave Mc Mahan)
Newsgroups: rec.ham-radio
Subject: What is Phase Noise?
Summary: What's the dif btwn phase noise and FM modulation
Message-ID: <11822@netcom.UUCP>
Date: 9 Jul 90 05:49:05 GMT
Organization: Dave McMahan @ NetCom Services
Lines: 12
Posted: Mon Jul 9 06:49:05 1990
References:

I have (at work) been exposed to phase noise in carriers. I understand the need to have a pure tone for something like a local oscillator, but the guys I work with make a big distinction between phase noise and FM modulation of a signal. To me, phase noise IS a form of FM modulation, since one can slightly change the signal frequency for an instant to shift phase. The stuff I see on a spectrum analyzer is definately different in appearance, though. I have asked them to expain it, but can't seem to make sense of the answer. Can someone please tell me why phase noise is NOT considered a form of FM modulation?

-dave

From -414609000413616473
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5739b9a1a8f4f635
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-09 07:41:50 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: Needed--1350MHZ VFO
Message-ID: <1250185@hpnmdla.HP.COM>
Date: 9 Jul 90 14:41:50 GMT
References: <1990Jul8.210023.22483@bnrgate.bnr.ca>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 27
Posted: Mon Jul 9 15:41:50 1990

You might take a look at June 1989 Ham Radio Magazine, page 19.
I show a design for a 1010 MHz oscillator which has very low phase noise
and can easily be phaselocked. Versions I have built can
operate from 800-1200 MHz by only tuning the resonator. If you really
want lots of tuning range (half octave+) make a quarter wave instead of
a half wave resonator. Unlocked stability won't be as good (mechanical
problem with unsupported line) but that shouldn't be a big deal if
you phaselock it as I did.
  The design center frequency was 1 GHz but things aren't changing very
rapidly with frequency and you should have little difficulty making it
run through 1500 MHz.
  This is the reference I use for a harmonic mixer local oscillator. It's
phase noise gets multiplied and transferred to the microwave local
oscillators which I lock with it. The performance is good enough that
even at 10 GHz the resulting spectrum is cleaner than my ICOM 701 was on
14 MHz. (Not everyone may agree that this is a positive testimonial (:>))
There is a picture of the resulting spectrum in the magazine series too.

Hope this helps.

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From 1996307025599028207
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5739b9a1a8f4f635
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-07-09 07:42:45 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: Needed--1350MHZ VFO
Message-ID: <1250186@hpnmdla.HP.COM>
Date: 9 Jul 90 14:42:45 GMT
References: <1990Jul8.210023.22483@bnrgate.bnr.ca>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 5
Posted: Mon Jul 9 15:42:45 1990

Correction, make that Jun 1988 Ham Radio Magazine.

My how time flies when you are having fun (:>)

de n6gn

From -1062154033661952368
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b3cad49544a6731d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-09 09:38:15 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!carmijo
From: carmijo@hpnmdla.HP.COM (Chris Armijo)
Newsgroups: rec.ham-radio
Subject: Re: What is Phase Noise?
Message-ID: <1250187@hpnmdla.HP.COM>
Date: 9 Jul 90 16:38:15 GMT
References: <11822@netcom.UUCP>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 50
Posted: Mon Jul 9 17:38:15 1990

>> To me, phase noise IS a form of FM modulation, since one can
>>slightly change the signal frequency for an instant to shift phase. The stuff
>>I see on a spectrum analyzer is definately different in appearance, though.
>>I have asked them to expain it, but can't seem to make sense of the answer.
>>Can someone please tell me why phase noise is NOT considered a form of FM
>>modulation?

First, let me say that I'm no expert on the subject -- I've done a little work with it, though.

Phase noise CAN be considered to be a form of FM modulation (or, alternatively, Phase Modulation). Essentially, the phase of a CW signal is varying over time. The reason that Phase Noise on a carrier looks so radically different than narrowband FM (with two discrete sidebands) is that the phase varies RANDOMLY with time. This random variaion causes the characteristic "smearing" of the CW signal

To quantify this relationtionship:

```
     S_delta_f(f)=Spectral Density of frequency fluctuations
               (Frequency fluctuations^2/Hz)
              =(Delta_f_rms(f))^2/B

where
     B = Bandwidth

     Delta f_rms(f)=Fourier Transform of (Delta_f(t))

     Delta_f(t)=Frequency fluctuation of signal as a function of time
            = (1/(2pi)) * d(Delta_phi(t))/dt

     Delta_phi(t)=Phase fluctuation of signal as a function of time
```

S_delta_f(f) is directly releated to what you see on a spectrum analyzer.

There are four basic methods to measure the phase noise of a CW source:

1. Measure it directly with a spectrum analyzer
2. Mix the signal down to a lower frequency and use a counter to measure the variance of the frequency.
3. Use a phase detector to measure the difference in phase between your source and a reference source. The output of the phase detector is displayed on a spectrum analyzer.
4. Use a frequency discriminator to demodulate the "FM" signal and measure the output on a spectrum analyzer.

I hope this answers your question. Phase Noise is actually a very interesting subject, once you dig into it. It's also one of those subjects that are rarely discussed a standard E.E. curriculum.

Chris Armijo

From -1975819007943821377
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b260e4ab84dd4d4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-09 09:45:08 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: How to deal with TVI
Message-ID: <1250188@hpnmdla.HP.COM>
Date: 9 Jul 90 16:45:08 GMT
References: <1990Jun28.172135.11814@lopez.UUCP>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 37
Posted: Mon Jul 9 17:45:08 1990

>Ok the reason grounding is necessary is that your transmitter uses single
>ended unbalanced filters for interstage and output coupling. These filters
>are the primary method of suppressing out of band radiation. It does no
>good for these filters to bypass out of band energy to the chassis if the
>chassis is not at true RF ground. All you get is a "hot" chassis and
>radiation down the OUTSIDE of your coax.

>It is relatively simple to get a good RF ground at your equipment.
>First, use several ground leads of different lengths between your
>equipment and your ground system. This breaks up any resonances in your
>ground leads at the frequencies you are trying to suppress. Second, I
>like to use the shielded ground trick. I use coax for ground runs with
>the shield and center connected to ground and only the center connected
>to the radio. This prevents any ground lead that happens to be at a
>high impedance at the frequency of interest from radiating. This
>technique works sucessfully even if your shack is on the second
>floor as mine is.

>Gary KE4ZV

>>>>>>>>>>>>>>>>

Many people seem to confuse "earth ground" with the "chassis ground" in a piece of equipment. Recall that the term "voltage" is another name for "potential difference." That is, voltage must always be measured WITH RESPECT TO A REFERENCE POINT.

Here is where people get confused. Inside a piece of equipment, the chassis ground is a common reference point for internal circuitry. The filters etc. inside the box don't care whether the chassis is at "earth ground" or not, they work the same in any case. External grounds (assuming they don't affect antenna feedpoint impedance) don't affect the transmitter low-pass filters at all.

Regarding the "shielded ground". Sounds like a quarter-wave decoupling sleeve to me. At the quarter-wave resonant frequency, it will look like an open circuit.

From -1200691595804809046
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b260e4ab84dd4d4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-09 09:56:39 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: How to deal with TVI
Message-ID: <1250189@hpnmdla.HP.COM>
Date: 9 Jul 90 16:56:39 GMT
References: <1990Jun28.172135.11814@lopez.UUCP>
Organization: HP Network Measurements Div, Santa Rosa, CA

Lines: 23
Posted: Mon Jul 9 17:56:39 1990

>How effective is a filter which includes a ground as part of the design,
>if you leave it UNGROUNDED?

It works just fine. I guess a lot of people are confused about this, so I'll expand further.

The transmitter generates RF voltage BETWEEN the center conductor of the output coax and the shield. Note that this voltage is NOT referred to earth ground. The chassis could be at 1,000,000 volts (AC or DC) with respect to earth, but there is still the same RF voltage existing between coax center conductor and shield -- the transmitter doesn't care.

If you have an external low-pass TVI filter, its internal circuitry is likewise referenced to CHASSIS ground (same as coax shield).

Part of the confusion is caused by using the same term "ground" to refer both to "earth ground" and the common connection point for circuitry within a piece of electronic equipment.

AL N1AL

From 2245028942844107727
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c9a62cea82f08bb8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-09 09:58:52 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Worldwide network of HF propagation beacons. . .
Summary: beacons still on
Message-ID: <884@ssc.UUCP>
Date: 9 Jul 90 16:58:52 GMT
References: <1990Jul3.030049.8312@midway.uchicago.edu>
Organization: very little
Lines: 29
Posted: Mon Jul 9 17:58:52 1990

In article <1990Jul3.030049.8312@midway.uchicago.edu>, gary@ellis.uchicago.edu (gary buchholz) writes:
> I picked up a copy of the ARRL Operating Manual(copyright 1988). On page
> 2-17 there is some discussion of the NCDXF worldwide propagation beacon
> network on 14.100 MHz.
>
> So says the ARRL Operating Manual. However, I've tuned into this 14.100
> net for several days now and at various times and really haven't heard

> anything but background noise.
>
> ==> The question is this. My ARRL guide is from 1988. Is this beacon still
> ==> in operation ?

Yes, it is still on. I can get several of the beacons regularly here in
Seattle, even when they are running 100 mw. There has been some packet
QRM in the past few years, but it is still easily readable.

Maybe you have your dial set to exactly 14.1 MHz and the CW signals are
not in your passband. Try tuning just below in the USB mode.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -7435208849542101175
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1772667c76bb366,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-09 10:18:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!ROSEVC.Rose-Hulman.EDU!DERRY
From: DERRY@ROSEVC.Rose-Hulman.EDU
Newsgroups: rec.ham-radio
Subject: Hazer
Message-ID: <6961E9AB885F800F06@ROSEVC.Rose-Hulman.Edu>
Date: 9 Jul 90 17:18:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Mon Jul 9 18:18:00 1990

I am considering buying a Hazer for raising my triband antenna and rotor
to the top of 5 sections of Rohn 25G (And, if I'm lucky, lowering it, too).

I would appreciate any info hams subscribing to info-hams could give me
about good OR bad points of this scheme. TNX ES 73 DE K9CUN.

(Hi, Jim!)

From -2727473963550883742
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5b962fd21769ca47,start

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,5b962fd21769ca47,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-07-09 10:30:39 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!rutgers!njin!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: DOVE turn on and Crash
Keywords: DOVE MICROSAT TELEMETRY
Message-ID: <741@idacrd.UUCP>
Date: 9 Jul 90 17:30:39 GMT
Organization: idacrd, princeton, nj
Lines: 22
Xref: gmdzi rec.ham-radio:12741 rec.ham-radio.packet:2505
Posted: Mon Jul 9 18:30:39 1990

Many of you may have heard the DOVE satellite last evening when I turned it on two meters for the first time in three months. We are still having problems but we are getting much closer to the solution. I have some telemetry but I would like all you may have gotten. I would like packet received confirmation if you claim to have heard it. I need to see the telemetry. I can tell you from that which I have that the spacecraft appears in excellent condition. The three bus voltages are all nominal. The array voltage was nominal, the charging current was nominal and the output power was 2.5 watts (I was being conservative!). I am dumping (on S band) the DEATH_REASON byte (this will take many tries because of the S band modulator problem) from the kernel. I hope this will tell us the answer. The last word I have is that it was not heard on the next pass over the west coast. We will almost surely find the problem this week and fix it. DOVE ON AGAIN SOON.

Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From 1542325218751292534
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31a77bf2d31630b2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-09 10:50:51 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Conversation with K2EEK, Editor CQ Magazine (Long)
Message-ID: <1250190@hpnmdla.HP.COM>
Date: 9 Jul 90 17:50:51 GMT

References: <1990Jul4.041831.24933@kodak.kodak.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 17
Posted: Mon Jul 9 18:50:51 1990

Comments from CQ Magazine's publisher:

>He made this point quite clearly: "the reality is that the world has
>changed." Ham radio is dominated by the appliance operator and those few
>technically minded hams left are a small majority. His magazine is there
>to serve the needs of the masses, not the majority. He added that while CQ
>might become somewhat more technical, the changes would be very slight.

Amateur radio licensing requirements have been steadily relaxing for
40 years. Any chance there is a connection here?

Could someone explain how further easing the requirements is going to
increase the technical quality of hams?

AL N1AL

From 1718946813065444369
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5f2c3234408be41e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,5f2c3234408be41e,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-09 13:35:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!uwm.edu!bionet!ames!eos!shelby!portia.stanford.edu!paulf@jessica.Stanford.EDU
From: paulf@jessica.Stanford.EDU (Paul Flaherty)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: ICOM R1 - The Final Chapter
Message-ID: <1990Jul8.203944.12979@portia.Stanford.EDU>
Date: 8 Jul 90 20:39:44 GMT
Sender: news@portia.Stanford.EDU (USENET News System)
Reply-To: paulf@jessica.Stanford.EDU (Paul Flaherty)
Organization: The Three Packeteers
Lines: 44
Xref: gmdzi rec.ham-radio:12725 rec.radio.shortwave:1577
Posted: Sun Jul 8 21:39:44 1990

Well, folks, I'm back from Japan, and I have a few things to report on the
ICOM R1 story. First of all, if you go to Akihabara, you will not find an R1
for sale. You'll find a very few R1s as display models, with the price crossed
out, and some kanji (usually written in red) amounting to "waiting list several
months long". According to the manager at T-Zone, Akihabara as a whole
receives fewer than a dozen R1s per week. JH1GNU and I went to about a dozen
stores before giving up that weekend.

Thus, ICOM's pleas about inadequate production would seem to be substantiated. This does not rule out, of course, the rumors regarding UNIDEN's patent lawsuits, but at least ICOM is being truthful, if not candid.

For those of you still salivating, here are the receiver specs:

2-25 MHz:
AM   1.6uV
FM   0.79uV
WFM 6.3uV

25-905 MHz:
AM   0.79uV
FM   0.4uV
WFM 3.2uV

The PLL does lock, and the radio does work from 100KHz to 1.3GHz.

That would be all I had if I hadn't stopped again in Akihabara on my way to Narita. It was raining heavily, and I stopped into this little place by the tracks just to get out of the rain. I strolled down the aisles, looking at all the parts, and came across an R1 on display. Just for grins and giggles I decided to ask about it, in my best Japanese (which is very bad). The kid behind the counter smiled, and pulled out a calculator. "Cash?" he asked. "VISA" I replied. After putting on the 3% consumption tax, it came to Y47000. Naw, he's just teasing me, I thought. "In stock?" I asked. "Hai". "Box?" He digs out the box, I look in, and there it is. "Sold", I said. So, for somewhat less than $300, I nabbed one.

I'll put out a real review in about a week or so, but I have noted something of an intermod / ACI problem. However, it does pull in Radio Australia at night, with a rubber duck.

-=Paul Flaherty, N9FZX/VK2WYX | "Anything below 1,000,000,000 Hz
->paulf@shasta.Stanford.EDU | is just nervous DC."

From -4047943006258094693
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16d0a1d7bde0f8ce
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-09 13:45:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: HAM RADIO IN DANGER
Message-ID: <30500590@ux1.cso.uiuc.edu>
Date: 9 Jul 90 20:45:00 GMT
References: <6897@eos.UUCP>
Lines: 15

Nf-ID: #R:eos.UUCP:6897:ux1.cso.uiuc.edu:30500590:000:675
Nf-From: ux1.cso.uiuc.edu!phil   Jul 9 15:45:00 1990
Posted: Mon Jul 9 21:45:00 1990

I attended the "No Code" forum at the Indy hamfest this weekend. The turnout was very low, but this was probably due to the fact that the forum was not listed in the program, and the building indicated on a couple of signs was not on the map.

One of the people who argued against a no-code license indicated that he thought the reason it all started was so that the business interests could make more money.

If businesses keep folding and/or dropping from the ham market, where are we going to buy all our appliances?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 7604959747421839770
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3b80bb29ea1bda79,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-09 13:54:33 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!col!billp
From: billp@col.hp.com (Bill Pherigo)
Newsgroups: rec.ham-radio
Subject: FT-411 DTMF deviation adjust???
Message-ID: <24300021@col.hp.com>
Date: 9 Jul 90 03:51:14 GMT
Organization: HP Colorado Springs Division
Lines: 7
Posted: Mon Jul 9 04:51:14 1990

How do I adjust the DTMF tone deviation on my FT-411?   It's too high for the local autopatch.

Bill Pherigo   WR0Y
<billp@col.hp.com>
(719) 590-3420

From 4058368023318388675
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16d0a1d7bde0f8ce
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-09 13:57:00 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil

From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: HAM RADIO IN DANGER
Message-ID: <30500591@ux1.cso.uiuc.edu>
Date: 9 Jul 90 20:57:00 GMT
References: <6897@eos.UUCP>
Lines: 21
Nf-ID: #R:eos.UUCP:6897:ux1.cso.uiuc.edu:30500591:000:1105
Nf-From: ux1.cso.uiuc.edu!phil   Jul 9 15:57:00 1990
Posted: Mon Jul 9 21:57:00 1990

The ARRL will have to take a LEADERSHIP position rather than a represent and follow position, if it is going to be able to keep amateur radio around.

Don't mislead yourself into thinking that the average ham is like those here on USENET. USENET and the other associated networks tend to be a filter of sorts. The proportion of technically oriented people here is much higher than in the amateur population as a whole.

The ARRL needs leaders. A leader needs to be able to resist even the majority if he believes his ideas are right. Of course that risks being voted out. But hopefully once some really good leadership starts happening at the League, then more people who feel the same way will join up.

We need an organization that considers the preservation of the VHF/UHF/SHF spectrum to be very important. It would be nice if the presently existing structure of the ARRL could do this, but whether or not this is the case, the need exists.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -8862926572600730355
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9aa14f29871d0cad
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-09 16:02:18 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!rutgers!bellcore!bellcore-2!envy!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: loss of frequencies
Keywords: yes, but...
Message-ID: <1990Jul9.230218.19504@bellcore-2.bellcore.com>
Date: 9 Jul 90 23:02:18 GMT
References: <33530@ut-emx.UUCP>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 19
Posted: Tue Jul 10 00:02:18 1990

In article <33530@ut-emx.UUCP>, oo7@ut-emx.UUCP (Constructive
Frivolling) writes:
|> This is undoubtedly a serious problem, but it's downright silly talking
|> about how many MHz we have won or lost. Fractional frequency is all that
|> counts. [...]

I beg to differ. All of the frequencies mentioned except the 220 MHz
band are UHF. They are more similar to each other in propagation
and suitable uses than they are to HF, although I wouldn't say that
220 and 2300 MHz are completely interchangeable.

The point of the original posting was that the 220 MHz band is only
the tip of the iceberg in lost amateur allocations over the past
decade. It is only the shortsightedness of the existing amateur
population that has allowed these earlier losses to go essentially
unchallenged until the 220-222 grab.

Phil

From 5176439945133681144
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f4285b9aa5630ddb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-09 16:13:06 PST
Path: gmdzi!unido!mcsun!uunet!cadnetix.COM!cadnetix!rusty
From: rusty@cadnetix.COM (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Alligators and kerchunking
Message-ID: <12792@cadnetix.COM>
Date: 9 Jul 90 23:13:06 GMT
Sender: news@cadnetix.COM
Reply-To: rusty@cadnetix.COM (Rusty Carruth)
Organization: Cadnetix Corp., Boulder, CO
Lines: 42
Posted: Tue Jul 10 00:13:06 1990

In article <:6=&.Y-@splut.conmicro.com> jay@splut.conmicro.com (Jay "you ignorant
splut!" Maynard) writes:
>...
>Ah, but a series sometimes DOES provide more information,

Probably should not tell this story on myself, but here goes anyway:

Yesterday, while waiting for people to show up for our open house (yup,
our house is up for sale), I decided to make use of the dead time and
try to get one of my dead 2m radios working. To make a long story short,
I thought I got one fixed, so took it out to the car, stuck a mag mount
antenna on the roof, connected the radio to the antenna and tried it.

Nothing.

Ok, time to pull out the HT\amp\5/8 wave combo and stick it on the roof of the car and get both radios talking.

Hmm. Wonder why I cannot hear anything on my HT? Cannot raise ANY of the repeaters I know ("N7IKQ testing", what a pain! :-)) (nor any of the ones I don't know :-). Hmm. Well, anyway, after much fooling around, I happened to go into the house for something and, upon returning,, noticed that I had forgotten to put the ANTENNA on the mag mount... OOps...

Strange thing was, I could easily pick up packets down in the packet zone even without an antenna!

Still have problems with the radio, though. HT can pick it up more or less ok, but even tho its 25 watts I cannot key a repeater. I'm guessing that one of the 3 (!) LOs has some problem, since it hears NOTHING, even my HT with 10+ watts out and antennas 3 feet apart.

So, what does this have to do with kerchunking? Well, I can tell you I felt pretty stupid hitting repeaters with "N7IKQ testing". Kerchunking would have been a lot easier :-)   :-)   :-)   :-)   :-)

Also, I'd be interested in anyone's (semi-) educated guess as to what would cause the radio to: (1) send ok to a local (VERY local) radio, but not key up a repeater; (2) receive a dip meter set to (mostly) AM modulation when brought close to the antenna; and (3) respond to a VERY near field FM transmission by very slightly lowering the noise level coming out the speaker.

Any thoughts? ADVthanksANCE!!!!

From -2410307232138224169
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-09 16:19:36 PST
Path: gmdzi!unido!mcsun!uunet!cadnetix.COM!cadnetix!rusty
From: rusty@cadnetix.COM (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <12793@cadnetix.COM>
Date: 9 Jul 90 23:19:36 GMT
References: <181503@<1990Jun23> <30500577@ux1.cso.uiuc.edu> <:6=&.Y-@splut.conmicro.com> <2617@anasaz.UUCP>
Sender: news@cadnetix.COM
Reply-To: rusty@cadnetix.COM (Rusty Carruth)
Organization: Cadnetix Corp., Boulder, CO
Lines: 20
Posted: Tue Jul 10 00:19:36 1990

In article <2617@anasaz.UUCP> john@anasaz.UUCP (John Moore) writes:
>.... Most repeaters don't give you any indication of how strong
>your ker-chunk is....

Well, there was a repeater down in Tempe (AZ), located on a grain elevator,
which supposedly could give you a signal report if you 'asked it' to.
A friend of mine knew the owner of the repeater and knew all the codes to
send to get it to do all sorts of things. Unfortunately, there was something
wrong with it when he tried to give me a demo. (or he forgot the codes! :-)

John, do you know of which repeater I speak? I'm sorry I don't even remember
the freq it was on, its been a while (but I think 144 or 145).

(I don't suppose you could count such a contact during a contest?)

(On second thought, forget I even asked the question!) :-)   :-)

Rusty "Possibly short for this (usenet) world" :-) and :-(N7IKQ

From -8478452875200523255
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b260e4ab84dd4d4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-09 16:40:30 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: How to deal with TVI
Message-ID: <38557@cci632.UUCP>
Date: 9 Jul 90 13:25:09 GMT
References: <1990Jun28.172135.11814@lopez.UUCP> <1250182@hpnmdla.HP.COM>
<878@ssc.UUCP>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 8
Posted: Mon Jul 9 14:25:09 1990

In article <878@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>My ground system is a series of commercial ten foot ground rods in treated
>soil, just outside the basement wall.

Treated soil? With what, some sort of electrolyte? What prevents the stuff
from just dissapating into the earth? Is it environmentally safe?

Chris

From -8776718813906433819
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7596f1ebb9176430
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-09 17:47:13 PST
Path: gmdzi!unido!mcsun!uunet!midway!gary

From: gary@midway.uchicago.edu (gary buchholz)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TS140s computer interface ? & TS140s vs TS440s
Message-ID: <1990Jul10.004713.26575@midway.uchicago.edu>
Date: 10 Jul 90 00:47:13 GMT
References: <1990Jul8.202610.2283@dhw68k.cts.com>
Organization: University of Chicago Computing Organizations
Lines: 25
Posted: Tue Jul 10 01:47:13 1990

In article <1990Jul8.202610.2283@dhw68k.cts.com> daveegan@dhw68k.cts.com (Dave Egan) writes:
>
>My problem is: I have a Kenwood TS140s and am very inexperienced in designing
>stuff (electronics).
>Dave Egan | Radio: N6XVZ

I also have a Kenwood TS140s and my understanding is that, if one is willing to spend the bucks, you don't have to design anything. Kenwood sells the IF-101 ($52) and the IF-232C ($100) that you need to do this.

Most amazingly Kenwood will not supply any software. And, by the way, feeling the full brunt that I didn't spend the extra $250 or so to get the TS440s over the TS140s, I haven't seen any software on the net for the TS140 - I have seen TS440s software.

BTW - Did I get "ripped off" with the 140 ? The 440 has a notch filter, triple conversion (vs double), selectable IFs, 100 memories (over 30) and 100% duty cycle with a cooling fan. Is it worth it. My after the fact opionion says that it probably would be. Oh well.

In any case, I too would like to know about any =>Mac<= (it seems most hams are blue) control software for the Kenwood TS140s.

Thanks,
 Gary

From 5721029902271825747
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,afc27f4a37bd086
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-09 18:12:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Carrying NiCd packs on airplanes
Message-ID: <7880180@hpfcdc.HP.COM>
Date: 10 Jul 90 01:12:34 GMT
References: <30500583@ux1.cso.uiuc.edu>
Organization: HP Ft. Collins, Co.
Lines: 8

Posted: Tue Jul 10 02:12:34 1990

> ...putting a battery pack in a zip-top bag is a good idea.

I've been using a small nylon drawstring bag to carry my spare battery pack -- inside my daypack or backpack. So far it's worked great. Am I making a mistake?

The metal contacts on the outside of the FT411's battery packs seem to be dioded -- no voltage on them except when charging. Makes sense to me.

From -5332526139622668351
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,94fbb816dba1ad9e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-09 18:40:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Icom 2SAT
Message-ID: <7880181@hpfcdc.HP.COM>
Date: 10 Jul 90 01:40:25 GMT
References: <512@beguine.UUCP>
Organization: HP Ft. Collins, Co.
Lines: 24
Posted: Tue Jul 10 02:40:25 1990

> 1) Does anyone have anything BAD to say about the 2SAT ???

I recently compared side by side and bought a Yaesu FT411. So I haven't used a 2SAT, but I can tell you what I didn't like about it, since you asked.

* Who needs a 180mAh built in NiCad battery? Sounds nice for emergencies, but then you realize you have to carry it anywhere you take the radio, keep it charged, replace it when it dies, ...

* The buttons seemed hard to push, and located too far from the display. Also they don't light up as nicely as an FT411 (though the latter's light only stays on while the switch is held).

* It was somewhat more expensive.

* I think it had fewer memories (not sure). It certainly lacked a couple of bells and whistles, but I forget which ones.

Now, it has somewhat more ergonomic controls in other ways, it has better sensitivity out of the ham bands, and I think it has a 12v jack for external power, all pluses.

I'll be interested in your comments after you buy one. :-)

From 847326305329683l5
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16d0a1d7bde0f8ce
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,16d0a1d7bde0f8ce
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-07-09 19:03:12 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!uc!shamash!vtcqa
From: vtcqa@shamash.cdc.com (VTC)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: HAM RADIO IN DANGER
Summary: okay, maybe only 14 mhz
Message-ID: <23321@shamash.cdc.com>
Date: 10 Jul 90 02:03:12 GMT
References: <6897@eos.UUCP> <30500589@ux1.cso.uiuc.edu>
Reply-To: vtcqa@shamash.UUCP (Jeff Comstock - VTC)
Followup-To: The guy with the flame proof leisure suit.
Organization: VTC Failure Analysis - We aren't too busy....
Lines: 28
Xref: gmdzi rec.ham-radio:12743 rec.ham-radio.packet:2506
Posted: Tue Jul 10 03:03:12 1990

Hey - I wasn't totally serious about getting 15 mhz of the HF bands. (then again, there is a God :-)). After I read that article about the demise of ham radio I almost barfed on my keyboard. It was so depressing and pessimistic I felt I had to post something upbeat.

BTW: I agree that we need more people getting involved in this hobby, but there is a flip side to the coin. Ever try to have a little fun on 20 mtr packet before ? It is a very frustrating experience. I believe that a major problem is dis-organisation and sheer ignorance of the people involved. You have alot, maybe hundredes of people all off by up to what, maybe 400 hz of each other - and total chaos is the result. It would not be a good idea to involve a whole s**tload of more new people into a mess like that. After using HF packet for a while, I wouldn't be surprised if the FCC banned packet radio from HF. It isn't very efficient is it ? Having said that, I am not impressed with operations on the VHF bands either. It leaves much to be desired. My point is that lack of a solid game plan and education is a major enemy to us, at least as far a digital communications goes. I joked to a freind the other nite that I think their should be 'regional SA's' for our packet radio network.

I also realize that there are other problems beyond the control of us operators, like not to great of a protocol, one hell of a lot of development all at once, etc - but I think the above is important.

I have donned the asbestos armor and am awaiting to hear replys from all you lovely people............

Jeff - NR0D

From -969001043414167096
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,54b0d29a302d0a78,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,54b0d29a302d0a78,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 105d97,54b0d29a302d0a78,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-07-09 20:13:12 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!decwrl!ads.com!sparkyfs!hercules!cslb.csl.sri.com!faunt
From: faunt@dustbin.cisco.com (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.electronics
Subject: Running a PC on 12V
Message-ID: <FAUNT.90Jul9201312@dustbin.cisco.com>
Date: 10 Jul 90 03:13:12 GMT
Sender: usenet@csl.sri.com
Followup-To: rec.ham-radio
Organization: cisco Systems, Menlo Park, CA
Lines: 7
Xref: gmdzi rec.ham-radio:12744 rec.ham-radio.packet:2508 sci.electronics:7388
Posted: Tue Jul 10 04:13:12 1990

I would like to be able to run a standard PC/AT clone on 12V, efficiently. Where can I get information on buying or building a reasonably low cost power supply for this?
thanx, and 73, doug

--
faunt@cisco.com   415-688-8269

From -4063551188074238637
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d71f5dcc7466fa55,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-09 22:27:37 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: AMSAT Bulletins, 7/7/90
Message-ID: <885@ssc.UUCP>
Date: 10 Jul 90 05:27:37 GMT
Organization: very little
Lines: 610
Posted: Tue Jul 10 06:27:37 1990

SB ALL @ AMSAT $ANS-188.01
MICROSAT STATUS REPORT, PT I

HR AMSAT NEWS SERVICE BULLETIN 188.01 FROM AMSAT HQ

SILVER SPRING, MD JULY 7, 1990
TO ALL RADIO AMATEURS BT

NK6K Provides MICROSAT Bulletin Board System (BBS) Status Report

Harold Price (NK6K) this week has provided the AMSAT News Service (ANS) with a complete run down on the MICROSAT Bulletin Board System (BBS) software (S/W) development effort. Working in close collaboration with Harold is Jeff Ward (K8KA) at the University of Surry (UoS) on the UO-14 BBS S/W. The following is a brief synopsis of the current progress.

It was decided early on to use UO-14 as a testbed for all MICROSAT BBS development. NK6K points out that there are several advantages to this. First off, all S/W developed for UO-14 is completely portable to the MICROSATs due to a device programmers call high-level Application Programming Interfaces (API). The APIs hide the differences between the different computer architecture of the MICROSATs and UO-14. The APIs perform the "nitty-gritty" tasks that are peculiar to the hardware of a particular computer system. For example, one of the most common task performed by all computer systems is Input/Output (I/O) operations. Thus, to the programmer it makes little difference if the BBS S/W he is writing is for the MICROSATs or for the Packet Communication Experiment (PCE) on UO-14, as long as he uses the APIs.

Another advantage for using UO-14 as a testbed is the 9600 baud uplink/downlink that it uses. NK6K says that he can load new S/W in two passes as compared to eight passes for the MICROSATs. The MICROSATs use the much slower but more common 1200 baud. Also, UO-14 has a completely separate computer system for the PCE operations. The UO-14 On-board Computer (OBC) which controls the satellite is unaffected by what happens with the secondary PCE computer. So if the BBS S/W crashes, UO-14 will continue to operate normally. If the BBS S/W causes a crash of the OBC on a MICROSAT, a great deal of S/W needs to be reloaded. Although an OBC crash doesn't put a MICROSAT at great risk, it is inconvenient to the users. Except for DOVE, most S/W reloads of a MICROSAT OBC are not very difficult to accomplish.
/EX
SB ALL @ AMSAT $ANS-188.02
MICROSAT STATUS, PT II

HR AMSAT NEWS SERVICE BULLETIN 188.02 FROM AMSAT HQ
SILVER SPRING, MD JULY 7, 1990
TO ALL RADIO AMATEURS BT

MICROSAT Status, Part II

Lets go down the list of MICROSATs and give the present status for each one.

AO-16

AO-16 is in good shape. RAM memory tests will be done this week in preparation for uploading the BBS S/W. According to NK6K, at the present time, the BBS S/W for AO-16 is targeted to be installed and operational by August. Until that time digipeating operation will be possible.

DO-17

DOVE is still transmitting on S-Band only. Full recovery has been delayed due to an unexplained anomaly in the S-Band transmitter. N4HY has to rely on the S-Band transmitter because the 2M transmitter blocks the 2M receiver on DOVE. This anomaly has required N4HY to use his considerable programming skills to write special Digital Signal Processing (DSP) S/W to work around this problem. Another problem plaguing the DOVE recovery is that N4HY's hastily assembled S-band station is about 5 dB SNR lower than what is required for reliable reception. N4HY has, however, been able to use the high quality S-Band station of K0RZ in Boulder, Colorado via phone patch during mutually visible passes for software loading. N4HY has given the DOVE recovery top priority. At press time (Saturday July 7), DOVE had again crashed as evidenced by MBL transmissions from the S-Band beacon. Analysis was under way to determine whether the crash was due to a problem in one of the tricky software upload sessions or, less likely, another hardware problem. Two meter transmissions were not expected before Tuesday July 10.
/EX
SB ALL @ AMSAT $ANS-188.03
MICROSAT STATUS, PART III

HR AMSAT NEWS SERVICE BULLETIN 188.03 FROM AMSAT HQ
SILVER SPRING, MD JULY 7, 1990
TO ALL RADIO AMATEURS BT

MICROSAT Status, Part III

WO-18

WO-18 is in good shape. The third version of the imaging S/W was uploaded last week. The Weber State University (WSU) engineers have added more "tuning knobs" to the picture taking S/W in order to improve the contrast of the earth images. Additional information has been added to the image header giving the solar array currents and horizon sensor values when the picture was snapped. These added items will provide more information about where the lens was pointed when the picture was taken. The impact detector, which was originally designed to indicate when WO-18 was hit by micrometeorites, is being used to verify that the CCD camera iris shutter has clicked. When the shutter is snapped, the impact detector instantaneously sees the vibration that the shutter operations cause in the spacecraft structure.

Each day several images have been downloaded and those who have WeberWare 1.0 can turn the binary data into pictures on CRT screens. Finally, the 1.2 GHz Fast Scan TV receiver was tested and the horizontal sync was detected. A full image is expected to require more gain and/or much more accurate antenna pointing.

One good quality picture of earth features has finally been taken and will be transmitted every evening for the next several days so that WeberWare 1.0 users will be sure to have a chance to capture it. Other testing will continue during each day.

LO-19

LO-19 is in good shape. The RF power output of LO-19 is though to have been varying because of the simultaneous operation of the CW beacon. Once the RAM memory checking S/W has been finished and checked out on AO-16, the same RAM memory check will be performed on LO-19. Eventually the AMSAT-LU Group will take over all the S/W development for LO-19 after the BBS S/W is installed.

At the present time all general housekeeping and monitoring tasks are performed by the AMSAT-LU team.
/EX
SB ALL @ AMSAT $ANS-188.04
DOVE RECOVERY EFFORT INTENSE

HR AMSAT NEWS SERVICE BULLETIN 188.04 FROM AMSAT HQ
SILVER SPRING, MD JULY 7, 1990
TO ALL RADIO AMATEURS BT

N4HY Tries The "Auditory" Method For Loading DOVE Software

This past weekend, N4HY was connected through a phone patch to the QTH of Bill McCaa (K0RZ) in order to take advantage of Bill's S-band station in an intense effort to bring DOVE back to life on two meters. In what amounts to an all-time packet radio first, N4HY will listen by ear for the Acknowledge packets to decide if he needs to resend each 128 byte packet. K0RZ provides the downlink station and N4HY uses his own 2M station to uplink S/W to DOVE. N4HY is using his own special bootloader to load 50,000 bytes of S/W instead of the resident ROM based MICROSAT Bootloader (MBL). This new DOVE bootloader will only send an ACK when it receives a good packet stream, but will never send NACKs. If N4HY therefore does not hear an ACK for a particular uplinked packet, he assumes that the packet wasn't received by DOVE and he manually sends it again. So far this "auditory" packet S/W loading technique has worked well.

Although many might view this as a futile effort, N4HY has chided himself for not thinking of this technique several months ago. As N4HY puts it: "WHAT A HACK, but no reason it shouldn't work!" The primary ingredient to making this happen, however, is the outstanding S-band station of K0RZ.

Stay tuned to AMSAT Nets and ANS bulletins for further updates on the recovery of DOVE-OSCAR-17.
/EX
SB ALL @ AMSAT $ANS-188.05
AMSAT-DL STMNT ON AO13 ORBIT

HR AMSAT NEWS SERVICE BULLETIN 188.05 FROM AMSAT HQ
SILVER SPRING, MD JULY 7, 1990
TO ALL RADIO AMATEURS BT

The following statement has been received from Dr. Karl Meinzer (DJ4ZC), President of AMSAT-DL:

"Recently some information has been circulated stipulating the decay of the

AO-13 orbit between 1992 and 1997.

"Elliptic orbits with high inclination (like AO-13) are potentially unstable due to luni-solar perturbations. This has been known for a long time and in fact some Molnija-satellites have prematurely decayed from this mechanism. AMSAT was aware of this problem and had a study performed by a NASA expert in the late nineteen seventies for the P3 programme. The conclusion of the study was, that the perigee height can oscillate with an amplitude of +-1000 km. As a consequence the minimum perigee height for the P3-satellites was chosen to be 1500 km. On AO-13, 2500 km was chosen for additional margin against decay.

Recently, the problem of orbit stability was revisited by Victor Kudielka, OE1VKW (AMSAT-DL Journal 2, 90, pp. 5-7). OE1VKW discovered that the perturbations can have a longer "time-constant" and thus result in much larger effects than previously believed. In particular he predicted a possible decay of AO-13 for early 1997. At this time we do not understand the discrepancy between the old study and OE1VKW's results. Since OE1VKW's results so far are in good agreement with the actual orbit of AO-13, there is little doubt that his computations are basically correct. So the conclusion is inevitable that the old study was either too coarse or that the change of the lunar orbit (18.6 years nutation period, 8.6 years period of perigee rotation) has invalidated the original study.
/EX
SB ALL @ AMSAT $ANS-188.06
AMSAT-DL STATEMENT, PART 2

HR AMSAT NEWS SERVICE BULLETIN 188.06 FROM AMSAT HQ
SILVER SPRING, MD JULY 7, 1990
TO ALL RADIO AMATEURS BT

The publication of OE1VKW's work triggered a flurry of activity in the USA. In particular Bob McGwier, N4HY, used a NORAD tracking program and found that a decay may happen as early as 1992. Bob states that he used the program as a black box without having user instructions. Unfortunately, the orbit situation is such that some very slight parameter changes have a dramatic influence on the lifetime. Also, numerical integration programmes have many potential pitfalls. So at this time, we can only conclude that the perigee height of AO-13 is coming down and this could lead to the loss of AO-13 during the nineties.

Also, at this time it is unclear in what direction the orbit will be influenced by the onset of air drag. It could either make the orbit more stable or accelerate the decay. Also it will be worthwhile to investigate if we have any means to prolong the life of AO-13 by exploiting the on-board systems.

With the orbit of AO-13, we apparently were very lucky and very unlucky at the same time. We were lucky in that we used to our propulsion excess to increase the perigee height over the original figure just to "buy margin" without a strong reason. But we were also unlucky because the present studies were not available in 1988. It would have been easy to either wait after the first motor-burn for a sufficient RAAN-change before the final burn thus eliminating the problem or to increase the perigee height even further.

Certainly we will not be so blue-eyed with P3-D.

Of course, AMSAT-DL will make every effort to keep AO-13 in operation as long as possible. We hope that we can keep AO-13 until P3-D is launched to give us continuity of operation.
/EX
SB ALL @ AMSAT $ANS-188.07
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 188.07 FROM AMSAT HQ
SILVER SPRING, MD JULY 7, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times. Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date UTC	Time	Phs	Mode	NCS	U.S. Day
09 Jul 90	0000	184	B	N5BF	Sunday
16 Jul 90	0115	130	B	N5BF	Sunday
27 Jul 90	0030	130	B	N5BF	Thursday

For information on the amateur satellite program and how you can participate, contact AMSAT-NA at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062, or contact your nearby AMSAT Regional Coordinator
/EX
SB ALL @ AMSAT $ANS-188.08
NEW AO-13 TRANSPONDER SCHED

HR AMSAT NEWS SERVICE BULLETIN 188.08 FROM AMSAT HQ
SILVER SPRING, MD JULY 7, 1990
TO ALL RADIO AMATEURS BT

A new Transponder Schedule for AO-13 was put into effect on July 3.

The present transponder schedule for AO-13 is as follows:

Mode-B : MA 003 to MA 165
Mode-JL : MA 165 to MA 190
Mode-LS : MA 190 to MA 195 (Mode S Beacon only)
Mode-S : MA 195 to MA 200
Mode-BS : MA 200 to MA 205
Mode-B : MA 205 to MA 240
Off : MA 240 to MA 003
Omnis : MA 240 to MA 060

Cross mode B and S QSOs are possible from MA 200 to 205.

The current attitude estimate:

BLON = 207 and BLAT = +1

AMSAT-OSCAR-10 appears to be receiving sufficient solar panel illumination to support Mode-B transponder operations, therefore, the transponder is available for general use whenever AO-10 is in view at your location. Please DO NOT use the transponder if the signals are FMing. The current estimate of AO-10's attitude is   LON 24 deg   LAT -9 deg.

Much activity has been heard on AO-10 centering around a popular calling frequency of 145.910 MHz.
/EX
SB ALL @ AMSAT $ORBS-188.O
Orbital Elements 188.OSCAR

HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES
FROM N3FKV LORENA, TX   JULY 7, 1990
TO ALL RADIO AMATEURS BT

```
Satellite: AO-10
Catalog number: 14129
Epoch time:      90177.47365881
Element set:     530
Inclination:       26.0107 deg
RA of node:       197.5005 deg
Eccentricity:    0.5961085
Arg of perigee:   154.3991 deg
Mean anomaly:     254.3150 deg
Mean motion:    2.05881318 rev/day
Decay rate:      -4.10e-07 rev/day^2
Epoch rev:            5292

Satellite: UO-11
Catalog number: 14781
Epoch time:      90182.63053424
Element set:     754
Inclination:       97.9480 deg
RA of node:       234.7134 deg
Eccentricity:    0.0012006
Arg of perigee:   197.5080 deg
Mean anomaly:     162.5709 deg
Mean motion:   14.65457881 rev/day
Decay rate:       8.66e-06 rev/day^2
Epoch rev:           33808

Satellite: RS-10/11
Catalog number: 18129
Epoch time:      90187.05410024
Element set:     245
Inclination:       82.9278 deg
RA of node:       314.5857 deg
```

```
Eccentricity:    0.0013227
Arg of perigee:    70.0511 deg
Mean anomaly:     290.2091 deg
Mean motion:   13.72097140 rev/day
Decay rate:       8.90e-07 rev/day^2
Epoch rev:           15203

Satellite: AO-13
Catalog number: 19216
Epoch time:      90184.94672410
Element set:     135
Inclination:       57.0113 deg
RA of node:       147.4281 deg
Eccentricity:    0.6982849
Arg of perigee:   230.6131 deg
Mean anomaly:      43.7356 deg
Mean motion:    2.09704960 rev/day
Decay rate:      -1.82e-06 rev/day^2
Epoch rev:            1575

Satellite: FO-20
Catalog number: 20480
Epoch time:      90185.08503568
Element set:      91
Inclination:       99.0369 deg
RA of node:       228.4026 deg
Eccentricity:    0.0541364
Arg of perigee:    10.3474 deg
Mean anomaly:     350.8266 deg
Mean motion:   12.83158679 rev/day
Decay rate:       7.30e-07 rev/day^2
Epoch rev:            1891
/EX
SB ALL @ AMSAT $ORBS-188.D
Orbital Elements 188.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS
FROM N3FKV LORENA, TX      JULY 7, 1990
TO ALL RADIO AMATEURS BT

Satellite: UO-14
Catalog number: 20437
Epoch time:      90185.19502530
Element set:     174
Inclination:       98.6973 deg
RA of node:       261.2539 deg
Eccentricity:    0.0012398
Arg of perigee:   104.9649 deg
Mean anomaly:     255.2960 deg
Mean motion:   14.28649049 rev/day
Decay rate:       2.70e-06 rev/day^2
Epoch rev:            2329
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```
Satellite: AO-16
Catalog number: 20439
Epoch time:      90185.18358906
Element set:      90
Inclination:       98.7037 deg
RA of node:       261.3512 deg
Eccentricity:    0.0012717
Arg of perigee:   103.2210 deg
Mean anomaly:     257.0400 deg
Mean motion:   14.28753136 rev/day
Decay rate:       2.41e-06 rev/day^2
Epoch rev:            2329

Satellite: DO-17
Catalog number: 20440
Epoch time:      90185.24914985
Element set:      94
Inclination:       98.7035 deg
RA of node:       261.4266 deg
Eccentricity:    0.0012939
Arg of perigee:   103.4420 deg
Mean anomaly:     256.8212 deg
Mean motion:   14.28799640 rev/day
Decay rate:       2.63e-06 rev/day^2
Epoch rev:            2330

Satellite: WO-18
Catalog number: 20441
Epoch time:      90185.23712146
Element set:      95
Inclination:       98.7034 deg
RA of node:       261.4353 deg
Eccentricity:    0.0013505
Arg of perigee:   104.5773 deg
Mean anomaly:     255.6912 deg
Mean motion:   14.28895732 rev/day
Decay rate:       2.43e-06 rev/day^2
Epoch rev:            2330

Satellite: LO-19
Catalog number: 20442
Epoch time:      90185.22932602
Element set:      94
Inclination:       98.7030 deg
RA of node:       261.4448 deg
Eccentricity:    0.0013820
Arg of perigee:   104.3065 deg
Mean anomaly:     255.9658 deg
Mean motion:   14.28964845 rev/day
Decay rate:       2.40e-06 rev/day^2
Epoch rev:            2330
/EX
SB ALL @ AMSAT $ORBS-188.M
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Orbital Elements 188.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES
FROM N3FKV LORENA, TX      JULY 7, 1990
TO ALL RADIO AMATEURS BT

Satellite: SALYUT 7
Catalog number: 13138
Epoch time:      90187.08643662
Element set:     364
Inclination:       51.5981 deg
RA of node:       208.4200 deg
Eccentricity:    0.0002108
Arg of perigee:    12.6384 deg
Mean anomaly:     347.4903 deg
Mean motion:   15.65478058 rev/day
Decay rate:     5.3987e-04 rev/day^2
Epoch rev:           46781

Satellite: MIR
Catalog number: 16609
Epoch time:      90186.64239909
Element set:     775
Inclination:       51.6126 deg
RA of node:       237.6281 deg
Eccentricity:    0.0010676
Arg of perigee:   110.8773 deg
Mean anomaly:     249.3197 deg
Mean motion:   15.62524310 rev/day
Decay rate:     2.6365e-04 rev/day^2
Epoch rev:           25098

Satellite: HUBBLE
Catalog number: 20580
Epoch time:      90187.05941761
Element set:     116
Inclination:       28.4714 deg
RA of node:       129.5212 deg
Eccentricity:    0.0006826
Arg of perigee:   330.0571 deg
Mean anomaly:      29.9869 deg
Mean motion:   14.84546267 rev/day
Decay rate:      2.335e-05 rev/day^2
Epoch rev:            1078
/EX
SB ALL @ AMSAT $ORBS-188.W
Orbital Elements 188.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM N3FKV LORENA, TX      JULY 7, 1990
TO ALL RADIO AMATEURS BT

Satellite: NOAA-9
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```
Catalog number: 15427
Epoch time:      90186.53953292
Element set:     601
Inclination:       99.1683 deg
RA of node:       186.7945 deg
Eccentricity:    0.0014629
Arg of perigee:   321.1521 deg
Mean anomaly:      38.8597 deg
Mean motion:   14.12611022 rev/day
Decay rate:       4.15e-06 rev/day^2
Epoch rev:           28657

Satellite: NOAA-10
Catalog number: 16969
Epoch time:      90183.38641875
Element set:     447
Inclination:       98.5974 deg
RA of node:       210.9907 deg
Eccentricity:    0.0012582
Arg of perigee:   223.1463 deg
Mean anomaly:     136.8731 deg
Mean motion:   14.23650603 rev/day
Decay rate:       3.22e-06 rev/day^2
Epoch rev:           19677

Satellite: MET-2/16
Catalog number: 18312
Epoch time:      90185.32051146
Element set:     451
Inclination:       82.5544 deg
RA of node:       276.7110 deg
Eccentricity:    0.0011204
Arg of perigee:   200.8365 deg
Mean anomaly:     159.2339 deg
Mean motion:   13.83658545 rev/day
Decay rate:       2.19e-06 rev/day^2
Epoch rev:           14535

Satellite: MET-2/17
Catalog number: 18820
Epoch time:      90185.39849661
Element set:     309
Inclination:       82.5437 deg
RA of node:       336.7763 deg
Eccentricity:    0.0015421
Arg of perigee:   278.6447 deg
Mean anomaly:      81.2960 deg
Mean motion:   13.84349847 rev/day
Decay rate:       7.60e-07 rev/day^2
Epoch rev:           12256

Satellite: MET-3/2
Catalog number: 19336
```

```
Epoch time:      90185.28497008
Element set:     518
Inclination:       82.5423 deg
RA of node:       265.3282 deg
Eccentricity:    0.0016020
Arg of perigee:   273.2973 deg
Mean anomaly:      86.6111 deg
Mean motion:   13.16900567 rev/day
Decay rate:       3.91e-06 rev/day^2
Epoch rev:            9320

Satellite: NOAA-11
Catalog number: 19531
Epoch time:      90185.31988497
Element set:     301
Inclination:       98.9820 deg
RA of node:       133.6476 deg
Eccentricity:    0.0011255
Arg of perigee:   232.8678 deg
Mean anomaly:     127.1464 deg
Mean motion:   14.11640134 rev/day
Decay rate:       4.28e-06 rev/day^2
Epoch rev:            9138

Satellite: MET-2/18
Catalog number: 19851
Epoch time:      90185.15776685
Element set:     253
Inclination:       82.5206 deg
RA of node:       214.9347 deg
Eccentricity:    0.0013581
Arg of perigee:   324.3790 deg
Mean anomaly:      35.6458 deg
Mean motion:   13.83986438 rev/day
Decay rate:       1.05e-06 rev/day^2
Epoch rev:            6791

Satellite: MET-3/3
Catalog number: 20305
Epoch time:      90185.09823028
Element set:     160
Inclination:       82.5533 deg
RA of node:       206.0657 deg
Eccentricity:    0.0014622
Arg of perigee:   291.1921 deg
Mean anomaly:      68.7663 deg
Mean motion:   13.15861166 rev/day
Decay rate:       4.50e-07 rev/day^2
Epoch rev:            3317

Satellite: MET-2/19
Catalog number: 20670
Epoch time:      90183.04636009
```

```
Element set:       7
Inclination:       82.5475 deg
RA of node:       276.8747 deg
Eccentricity:    0.0014659
Arg of perigee:   243.7424 deg
Mean anomaly:     116.2234 deg
Mean motion:   13.83835295 rev/day
Decay rate:      -5.00e-07 rev/day^2
Epoch rev:              57
/EX
```

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 8428238955044057534
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe26d6617491ef62,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-09 23:45:40 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!n8emr!cmhgate!f160.n226.z1.FIDONET.ORG!Joey.Burgett
From: Joey.Burgett@f160.n226.z1.FIDONET.ORG (Joey Burgett)
Newsgroups: rec.ham-radio
Subject: For Sale
Message-ID: <60591.269A1790@cmhgate.FIDONET.ORG>
Date: 10 Jul 90 06:45:40 GMT
Sender: ufgate@cmhgate.FIDONET.ORG (newsout1.26)
Organization: FidoNet node 1:226/160 - E.A.G.L.E.S. BBS, Columbus OH
Lines: 45
Posted: Tue Jul 10 07:45:40 1990

* Original: AREA.... 4SALE226
* Original: FROM.... Joey Burgett
* Original: TO...... All
* Forwarded by...... Maximus-CBCS v1.00 at 1:226/160.0

For Sale:

12 Mhz IBM Compatible 286 -

o Full size case
o 1-5.25" Floppy 1.2 Meg
o 1-3.5" Floppy 720k

o 2 Meg of Ram
o VGA Graphics Adapter with VGA Gray Scale Monitor
o Sound Blaster sound card, which features:
    - MIDI Port
    - Stereo Sound (Also Adlib Compatible)
    - External Amplified Speakers (Stereo)
    - Game Port
    - Voice Digitizer
o 2 Serial Ports
o 1 2400 Baud internal modem
o Serial Mouse
o 1 Printer Port
o Arcnet Networking Card
o 40 Meg Hard Drive

Price: $1000 - FIRM!

Reason for selling: Need to get new HF Rig for Amateur Radio -

Contact me via my BBS at: 1/614-421-3015 1200 or 2400 Baud
FidoNet: (1:226/160)

or

Contact me packet on W8CQK in Columbus, Ohio

Thanks - N8MPV - Joey

--
Joey Burgett via cmhGate - Net 226 fido<=>uucp gateway Col, OH
UUCP: ...!osu-cis!n8emr!cmhgate!160!Joey.Burgett
INET: Joey.Burgett@f160.n226.z1.FIDONET.ORG

From 1287260822929670441
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b260e4ab84dd4d4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 02:56:36 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: How to deal with TVI
Message-ID: <956@ke4zv.UUCP>
Date: 10 Jul 90 09:56:36 GMT
References: <1990Jun28.172135.11814@lopez.UUCP> <1250189@hpnmdla.HP.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 35
Posted: Tue Jul 10 10:56:36 1990

In article <1250189@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>
>>How effective is a filter which includes a ground as part of the design,
>>if you leave it UNGROUNDED?
>
>---------
>
>It works just fine. I guess a lot of people are confused about this, so
>I'll expand further.
>
>The transmitter generates RF voltage BETWEEN the center conductor of the
>output coax and the shield. Note that this voltage is NOT referred to
>earth ground. The chassis could be at 1,000,000 volts (AC or DC) with
>respect to earth, but there is still the same RF voltage existing between
>coax center conductor and shield -- the transmitter doesn't care.
>
>If you have an external low-pass TVI filter, its internal circuitry is
>likewise referenced to CHASSIS ground (same as coax shield).
>
>Part of the confusion is caused by using the same term "ground" to refer
>both to "earth ground" and the common connection point for circuitry
>within a piece of electronic equipment.
>
>AL N1AL

I'm afraid that YOU are the one that is confused. When an unbalanced filter
is used to bypass unwanted RF energy to the chassis and the chassis is
not connected to ground, the chassis structure and the outside of the
coax shield, the microphone cord, the powerline, and any other wires
connected to the chassis become RADIATING ELEMENTS for that unwanted
RF. Thus the desired effect of preventing unwanted radiation is lost.
The currents between the coax center conductor and shield are supressed,
but that is of little use if the outside of the coax becomes "hot".

Gary KE4ZV

From 8505550753310607257
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b260e4ab84dd4d4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 03:12:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: How to deal with TVI
Message-ID: <957@ke4zv.UUCP>
Date: 10 Jul 90 10:12:31 GMT
References: <1990Jun28.172135.11814@lopez.UUCP> <1250188@hpnmdla.HP.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 54

Posted: Tue Jul 10 11:12:31 1990

In article <1250188@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>>Ok the reason grounding is necessary is that your transmitter uses single
>>ended unbalanced filters for interstage and output coupling. These filters
>>are the primary method of suppressing out of band radiation. It does no
>>good for these filters to bypass out of band energy to the chassis if the
>>chassis is not at true RF ground. All you get is a "hot" chassis and
>>radiation down the OUTSIDE of your coax.
>
>>It is relatively simple to get a good RF ground at your equipment.
>>First, use several ground leads of different lengths between your
>>equipment and your ground system. This breaks up any resonances in your
>>ground leads at the frequencies you are trying to suppress. Second, I
>>like to use the shielded ground trick. I use coax for ground runs with
>>the shield and center connected to ground and only the center connected
>>to the radio. This prevents any ground lead that happens to be at a
>>high impedance at the frequency of interest from radiating. This
>>technique works sucessfully even if your shack is on the second
>>floor as mine is.
>
>>Gary KE4ZV
>----------
>>>>>>>>>>>>>>>>>
>
>Many people seem to confuse "earth ground" with the "chassis ground" in
>a piece of equipment. Recall that the term "voltage" is another name for
>"potential difference." That is, voltage must always be measured WITH
>RESPECT TO A REFERENCE POINT.
>
>Here is where people get confused. Inside a piece of equipment, the chassis
>ground is a common reference point for internal circuitry. The filters etc.
>inside the box don't care whether the chassis is at "earth ground" or not,
>they work the same in any case. External grounds (assuming they don't
>affect antenna feedpoint impedance) don't affect the transmitter low-pass
>filters at all.

Indeed, this is where people become confused! As you stated, the filter
will supress the unwanted frequency components travelling down the
inside of the coax between center and shield. However, the currents
that were bypassed to the chassis excite it exactly like a long wire
antenna is excited and you will see radiation from the chassis, the
outside of your coax, your mic cord and any other wires attached to
the transmitter. Believe me when I tell you that twenty five years
experience with broadcast high power transmitters, and the RF burns
from ungrounded chassis, has given me plenty of practical as well
as theoretical knowledge on this particular subject. :-)
>
>Regarding the "shielded ground". Sounds like a quarter-wave decoupling
>sleeve to me. At the quarter-wave resonant frequency, it will look like
>an open circuit.

This is true. That is why you must use more than one lead, each of a different length so that at least one will not be resonant at a given frequency.

Gary KE4ZV

```
From 8149305785428325760
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31a77bf2d31630b2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 03:44:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!samsung!emory!
emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Conversation with K2EEK, Editor CQ Magazine (Long)
Message-ID: <958@ke4zv.UUCP>
Date: 10 Jul 90 10:44:38 GMT
References: <1990Jul4.041831.24933@kodak.kodak.com> <1250190@hpnmdla.HP.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 44
Posted: Tue Jul 10 11:44:38 1990

In article <1250190@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>Comments from CQ Magazine's publisher:
>
>>He made this point quite clearly: "the reality is that the world has
>>changed."  Ham radio is dominated by the appliance operator and those few
>>technically minded hams left are a small majority.  His magazine is there
                                           ^^^^^^^^
>>to serve the needs of the masses, not the majority.  He added that while CQ
                                            ^^^^^^^^
>>might become somewhat more technical, the changes would be very slight.
>
>----------
>
>Amateur radio licensing requirements have been steadily relaxing for
>40 years.  Any chance there is a connection here?

Data point: In 1963 when I took the General Exam (the highest class
license available for amateurs) the exam was on much simpler technology
and was considerably easier than the FCC First Class commercial exam
that I passed at the same time. I have recently examined the study
guide for the amateur exam and note that the technology is considerably
more complex and IMHO the exam itself is more comprehensive than the
current FCC General commercial exam.

>
>Could someone explain how further easing the requirements is going to
>increase the technical quality of hams?
>
>AL N1AL
```

Times have indeed changed. People still crave electronic excitment, but ham radio, mired as it is in obsolescent operating technology, is no longer relevant to these people's needs. Many of those who would have been the "techie" hams of the 50's are the computer hobbyists of today. They don't see the current ham radio or it's exam structure as RELEVANT to their needs. A radical restructuring of amateur radio and it's exams is necessary to offer something to meet people's current needs. The only way to attract people to amateur radio or any other optional electronic recreational activity is to meet an emotional NEED they have for electronic excitment. Morse code does not meet that need for the vast majority of technically inclined people today anymore than 78rpm records meet the needs of audiophiles accustomed to compact discs.

Gary KE4ZV

From -8902166416915873877
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61b38504f909074a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 04:50:20 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!hplabs!hpda!hpwala!hpnjld!eyg
From: eyg@hpnjld.HP.COM (Ed Gilbert)
Newsgroups: rec.ham-radio
Subject: Re: Remotely Tuned HF Beam Antenna
Message-ID: <4140017@hpnjld.HP.COM>
Date: 10 Jul 90 11:50:20 GMT
References: <3028@sunpix.East.Sun.COM>
Organization: Hewlett Packard NJD, Rockaway NJ
Lines: 28
Posted: Tue Jul 10 12:50:20 1990

>My 3 element 20 meter Yagi has a director and reflector that are each
>a continuous piece of aluminum tubing. How would a variable capacitor
>tune these elements?

A series capacitor, inductor, or both could be used to vary the phase of the current in a parasitic element with respect to the driven element.

>To be effective, a Yagi requires precise spacing in terms of a fraction
>of a wavelength between each element. If I am using .18 wavelength
>spacing from the driven element to the director on 20, that becomes .36 wv
>on 10 meters.

Effective yagis can be designed with very close spacing or very wide spacing. There is an optimum spacing for forward gain, and a different optimum spacing for f/b ratio, but the things will work over quite a wide range of spacings. Just look at some of the simpler tribanders such as the TA33, which uses the same spacings for 10, 15, and 20.

>   Also, my .507 wv driven element on 20 becomes over one
>wavelength long on 10, no matter how you tune it.
>

>I see problems!

The reason your 20 meter elements have these lengths is that it gives the correct phase relationships between the currents in the 3 elements, and it presents a good match to your 50 ohm cable. There are lots of ways to vary phase of the currents and to match the driven element to 50 ohms, even if the elements are much shorter or longer than 1/2 wavelength.

From -8084306184403890934
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,532e0ab232faf364,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 05:17:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!sdd.hp.com!usc!ucsd!ucbvax!UCBEH.SAN.UC.EDU!MORRISTA%UCMCIC
From: MORRISTA%UCMCIC@UCBEH.SAN.UC.EDU
Newsgroups: rec.ham-radio
Subject: Antenna Farms?
Message-ID: <68BA6D4272DFA1024A@UCBEH.SAN.UC.EDU>
Date: 10 Jul 90 12:17:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 27
Posted: Tue Jul 10 13:17:00 1990

University
of
Cincinnati

INTEROFFICE MEMORANDUM

Date: 10-Jul-1990 08:12 EST
From: Theodore Morris
MORRISTA
Dept: MCIC/IR&D
Tel No: 513-558-6046 (Group)

TO: Remote PMDF User (_IN%INFO-HAMS@UCSD.EDU)

Subject: Antenna Farms?

Then there's always the VOA farm just north of Cincinnati...used to be the WLW antenna farm, as I recall (back when WLW was 500KW and came in stronger in Australia than the local AM BC stations!). I remember a QSO with a new Buckeye just moved in from Texas whose old buddies were heckling him about moving North. He drove up the interstate (I-75) to the VOA site and had a friend take a photo of him standing strategically in front of "his new antenna farm in Ohio." I bet he got quite a chuckle out of it...

-- sigh! --

Ted, WB8VNV

From 3541317527971111650
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb0305f7ae2820b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 05:59:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uwm.edu!rutgers!
bellcore!pyuxp!pyuxe!nvuxr!smk
From: smk@nvuxr.UUCP (S.KUZYSZYN)
Newsgroups: rec.ham-radio
Subject: flourescent light noise
Keywords: qrn
Message-ID: <1779@nvuxr.UUCP>
Date: 10 Jul 90 12:59:39 GMT
Organization: Bell Communications Research, Red Bank NJ
Lines: 23
Posted: Tue Jul 10 13:59:39 1990

I am using a small flourescent desk lamp in my study at home.
I recently replaced the tube.
Now when the light is on,
it generates so much RFI that I can no longer use the
AM broadcast band radio that is in the same room.
I tried still another tube with basically the same result.

Is there a way to reduce this RFI
(bypass caps, filter etc)?

During shortwave listening I just shut off the offending lamp,
but for other times I would like to use the lamp and
listen to the AM radio.
Can anyone help?

I briefly checked the ARRL handbook and didn't see anything helpful
for appliance generated RF noise.

Thanks for any help.

--

Steve Kuzyszyn at Bell Communications Research (201) 758-2591

From -5676919841329394853
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7596f1ebb9176430
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 06:05:06 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sunybcs!
uhura.cc.rochester.edu!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio

Subject: Re: Kenwood TS140s computer interface ? & TS140s vs TS440s
Message-ID: <38576@cci632.UUCP>
Date: 10 Jul 90 13:05:06 GMT
References: <1990Jul8.202610.2283@dhw68k.cts.com> <1990Jul10.004713.26575@midway.uchicago.edu>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 8
Posted: Tue Jul 10 14:05:06 1990

Does the command set inside these radios (TS-440, 140, icom, kenwood, etc.) allow you to poll the radio for its current frequency, or do they just let you transmit commands like "switch to memory 5" ? (More to the point: could your electronic logger automatically "grab" the frequency from the radio and store it in the computer). I have not seen the command set for any of these computer interfaces.

Chris

From 5505481897844399947
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,486f814fdbc020fe
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 07:39:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Re: FM in VHF Contests
Message-ID: <24300023@col.hp.com>
Date: 10 Jul 90 14:39:32 GMT
References: <9006291408.AA19647@ucsd.edu>
Organization: HP Colorado Springs Division
Lines: 37
Posted: Tue Jul 10 15:39:32 1990

Mike Owen W9IP writes:

>Recently, Bob Witte, KB0CY, asked about the apparent absence
>of FM in VHF contests. Here are a few comments:
>
>2. About 10 years ago, the VHF contest rules permitted unrestricted
>simplex FM activity. A few of the Big Gun multiops abused this rule
>and "took over" the most popular simplex channels in metropolitan
>areas. Consequently, stiff restrictions were eventually placed on
>FM operation (no 146.52, for example) so the FM people who wanted to
>communicate could do so without contest QRM.

Thanks for the background on this rule. The .52 prohibition
seems to make sense.

>
>3. Most FMers prefer repeaters and seldom spend much time on simplex.
>As a result of the fact that contest stations can't solicit QSOs on

>repeater frequencies, FMers may not be aware that a contest is in progress.
  I suppose this is mostly true, but I keep running into ops that
  are fascinated with the notion of getting to the top of a Colorado
  Mountain and seeing what the propagation characteristics of 2M allows.
  These folks are often not serious enough VHFers to have an SSB rig.
  Also, if they hiked in they only have an HT.

>
>4. They may not care. Many FM-only (or FM-mainly) stations could not
>care less about contesting. So it's only fitting that they should be left
>alone. I think the FM restrictions are pretty reasonable.
  Yup. Don't want to force anybody.

  Thanks for the comments.

Bob Witte   HP Colorado Springs Division
bobw@col.hp.com   P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO 80901
Radio: KB0CY

From -998219253216096200
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc468736c1cdab5a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 08:39:26 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: S-band waveguides
Message-ID: <25779@usc.edu>
Date: 9 Jul 90 19:32:06 GMT
References: <1990Jul5.230534.24436@ecn.purdue.edu>
Sender: news@usc.edu
Organization: EE-Systems, USC, Los Angeles
Lines: 3
Posted: Mon Jul 9 20:32:06 1990

Cu water pipe makes handy dandy (and cheap!) circular waveguide.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From 5975744127207021635
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a2a2ae7c45f8daf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 08:58:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!aplcen!haven!wam!rustyh
From: rustyh@wam.umd.edu (Rusty Haddock)

Newsgroups: rec.ham-radio
Subject: Re: 440 MHz filtering
Message-ID: <1990Jul10.155835.7459@wam.umd.edu>
Date: 10 Jul 90 15:58:35 GMT
References: <1990Jun15.175251.4080@hayes.fai.alaska.edu>
Sender: usenet@wam.umd.edu (USENET Posting)
Reply-To: rustyh@wam.umd.edu (Rusty Haddock)
Organization: University of Maryland at College Park
Lines: 33
Posted: Tue Jul 10 16:58:35 1990

In article <1990Jun15.175251.4080@hayes.fai.alaska.edu> fnddr@acad3.fai.alaska.edu
writes:
>We need a filter for a low-noise preamp in the 440 MHz range. Mostly it
>needs to have a flat passband about 5 MHz wide, and steep rolloff, especially
>on the low end. Can anybody suggest a solution that is more clever than
>your standard LC configurations? Sharper cutoff, less insertion loss?
>
>I'd like to find some good books dealing with VHF/UHF design techniques...
>my library covers HF and microwaves but has quite a hole in between.
>Suggestions are welcome.

You could try a Helical Resonator but to get the low insertion loss it
would have to be large.
Cavity filters are also useful in these applications (but they may end up
larger).

An excellent book on such matters is the RSGB VHF/UHF Manual by Jessop.
(Available through ARRL)
Another good book (bible) on filters (microwave) is "Microwave filters,
Impeadance-Matching Networks, and Coupling Structures" by Matthaei Young &
Jones. (available through Artech House.)

____
Michael Katzmann

Broadcast Sports Technology   Amateur | vk2bea (Australia)
2135 Espey Ct,   Radio | g4nyv   (U.K.)
Crofton MD.   Stations | nv3z   (U.S.A.)

...uunet!mimsy!arinc!vk2bea!michael

--
Rusty Haddock   o {uunet,att,rutgers}!mimsy.umd.edu!fe2o3!rusty
Laurel, Maryland   o "IBM sucks silicon!" -- PC Banana Jr, "Bloom County"

From -5375762835179218910
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b260e4ab84dd4d4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 08:59:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!

```
cs.utexas.edu!execu!sequoia!attdso!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: How to deal with TVI
Summary: soil, ground
Message-ID: <888@ssc.UUCP>
Date: 10 Jul 90 15:59:38 GMT
References: <1990Jun28.172135.11814@lopez.UUCP> <1250182@hpnmdla.HP.COM>
<38557@cci632.UUCP>
Organization: very little
Lines: 31
Posted: Tue Jul 10 16:59:38 1990

In article <38557@cci632.UUCP>, cep@cci632.UUCP ( co-op) writes:
> In article <878@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
> >My ground system is a series of commercial ten foot ground rods in treated
> >soil, just outside the basement wall.
>
> Treated soil?

Yes.

>  With what, some sort of electrolyte?

Yes.  Rock salt.

>  What prevents the stuff
> from just dissapating into the earth?

Nothing.  Everything dissipates into the earth.

>  Is it environmentally safe?

No.


Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP


From -2552682924663753189
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b3cad49544a6731d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 09:32:59 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpfcso!hpfinote!noel
```

From: noel@hpfinote.HP.COM (Noel Pace)
Newsgroups: rec.ham-radio
Subject: Re: What is Phase Noise?
Message-ID: <16170017@hpfinote.HP.COM>
Date: 10 Jul 90 16:32:59 GMT
References: <11822@netcom.UUCP>
Organization: Hewlett Packard CICD
Lines: 8
Posted: Tue Jul 10 17:32:59 1990

I am getting my self out on a limb with this but will go ahead anyway. If we define a pure signal to be only one infinitesimal line on a frequency spectrum then no modulation would exist. Anything different from that would be caused by modulation. The modulation would be a result of changing amplitude or frequency and a change in appearance of the infinitesimal line width or height. This could come through noise or some form of intentional modulation. Since frequency is the rate of change of phase, it seems a relationship does exist but would manifest itself in a different appearance.

From -3643836541289536347
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1fe885019cd4bebc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 09:57:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!pacbell.com!pacbell!att!drutx!druco!gtb
From: gtb@druco.ATT.COM (BiekshaGT)
Newsgroups: rec.ham-radio
Subject: Re: Some CW procedure questions
Summary: Re: the "dit-dit" at the end of a QSO
Message-ID: <4941@druco.ATT.COM>
Date: 10 Jul 90 16:57:38 GMT
References: <22480003@hpcuha.HP.COM> <24940@bellcore.bellcore.com>
Organization: AT&T, Denver, CO
Lines: 6
Posted: Tue Jul 10 17:57:38 1990

Back in the 1960's when I was really active, the "dit-dit" was a very common final signoff to a QSO. It represented the final "two-bits" in response to the other party's "dit--dit-dit-dit-dit" (shave-and-a-haircut).

From -902178847701378778
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 10:08:28 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!rutgers!att!cbnewsh!mrb1

From: mrb1@cbnewsh.att.com (maurice.r.baker)
Newsgroups: rec.ham-radio
Subject: Was Re: The Demise of HR Magazine and Comments on CQ
Summary: Wayne Green has plenty of common sense
Message-ID: <1990Jul10.170828.12138@cbnewsh.att.com>
Date: 10 Jul 90 17:08:28 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com>
<42720@apple.Apple.COM>
Organization: AT&T Bell Laboratories
Lines: 41
Posted: Tue Jul 10 18:08:28 1990

In article <42720@apple.Apple.COM>, winter@Apple.COM (Patty Winter) writes:

>
> >I haven't read the latest 73's, but Wayne always seemed to have
> >plenty of common sense in the past.
>
> When was this? I must have missed it....

Well, he started BYTE magazine and advised hams to get started making money in the upcoming (we're talking 1975 here) microcomputer revolution. Apple Computer [your employer] seems to have done pretty well, along those lines.

He also advised hams to cash in on the home security business....and sure enough, a few did. Now it's a big and still growing market as crime and threats to life/limb/property continue to escalate. Even AT&T [my employer] is selling its own flavor of home security products....

That's two pretty good examples.

He sees that the hobby is dying (and yes, contrary to the professional contesters and full-time hams out there, it IS a hobby for most of us); he is not afraid to say unpopular things. If amateur radio went away altogether, I wouldn't miss it.

As for myself, I'm a very inactive amateur radio operator. I keep my license renewed and that's about it....
it meant a lot to my father (he died in January of this year)
so I'm sure I will keep renewing it.
There's simply no attraction
there to hold my interest in operating a station.
Just a bunch of rabblerousers, armchair lawyers and
frustrated police-wannabe's for the most part (rec.ham-radio is an interesting microcosm of all this).
At least Wayne's editorials are entertaining,
and (God forbid) they DO make you think. More than you can say for QST
or the ARRL (which bears an amazing organizational resemblance to the IEEE).
Nope, I don't belong to either anymore.

M. Baker
WA3ZXO
homxc!jj1028 or   jj1028 @ homxc.att.con

From 8864046996302232487
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7596f1ebb9176430
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 10:28:59 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!hplsla!charlier
From: charlier@hplsla.HP.COM (Charlie Panek)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TS140s computer interface ? & TS140s vs TS440s
Message-ID: <5720073@hplsla.HP.COM>
Date: 10 Jul 90 17:28:59 GMT
References: <1990Jul10.004713.26575@midway.uchicago.edu>
Organization: HP Lake Stevens, WA
Lines: 64
Posted: Tue Jul 10 18:28:59 1990

>/ gary@midway.uchicago.edu (gary buchholz) / 5:47 pm Jul 9, 1990 /
>In article <.2283@dhw68k.cts.com> daveegan@dhw68k.cts.com (Dave Egan) writes:
>>
>>My problem is: I have a Kenwood TS140s and am very inexperienced in designing
>>stuff (electronics).
>>Dave Egan | Radio: N6XVZ
>
>I also have a Kenwood TS140s and my understanding is that, if one is willing
>to spend the bucks, you don't have to design anything. Kenwood sells the
>IF-101 ($52) and the IF-232C ($100) that you need to do this.

I recently added the serial interface to our club's TS-440. Cost us
all of $15 in parts. You need an 8251A USART chip, a CD4040 counter,
and optionally a MAX232 RS-232 to TTL converter. (All available from
JDR Microdevices, mail order) If you eliminate
the MAX232, you'd knock the cost down to about $7. All you need to
do is plug the 8251a and CD4040 into sockets on the 440's processor board.
The manual even mentions it, I believe. (not much design there)
This will bring the serial lines
to the rear connector, but at TTL level (0 and 5V), not RS-232 levels
(+/- 8V). However, most real RS-232 inputs will understand TTL voltages
just fine, as the switching threshold is slightly positive, I believe.
You can also drive TTL from RS-232 by using a couple of diodes and a
series resistor to clamp the voltage to 0 and +5.

By the way, I even stole the +5V from the TS-440. On the processor board
there is a place for a little jumper, which, when installed ties +5V to
the NC (unused) pin on the rear connector. Looks like that's what they
had in mind, but chickened out. (They didn't want you shorting it out)

>
>Most amazingly Kenwood will not supply any software.
Yup that $150 is a rip-off, all right! I haven't had a chance to write
anything yet either, but I ftp'd some BASIC code from hamster that does

some demo type stuff, and I also got a list of the commands from someone there. If enough people are interested, I guess I could post the command summary to the net.

You know, I bet the 140 understands the same commands (or a subset), and requires the same hardware mods. What does the manual say?

>And, by the way,
>feeling the full brunt that I didn't spend the extra $250 or so to get
>the TS440s over the TS140s, I haven't seen any software on the net for
>the TS140 - I have seen TS440s software.
>
>BTW - Did I get "ripped off" with the 140 ? The 440 has a notch filter,
>triple conversion (vs double), selectable IFs, 100 memories (over 30)
>and 100% duty cycle with a cooling fan. Is it worth it. My after the
>fact opionion says that it probably would be. Oh well.

I dunno, but until a recent household emergency evaporated my surplus funds, I was fantasizing about a new rig. I liked the '440, but $1200, was a bit high for me, so I dug out the old QST review of the 140, (June '88) I was somewhat disturbed that the reviewer mentioned a reciever blocking problem several times in the review, concluding "If you're seting up a station to use primarily for contesting, this may not be the rig you are looking for". He said that a signal of S9+40 20 Khz away, would block out an s9 signal on the tuned frequency. Hmmm, sounds like typical 20 meter conditions to me. If I ever get more dough, maybe a used TS-930...

Charlie Panek (UUCP: hplabs!hp-pcd!hplsla!charlier)
KX7L   (domain: charlier%hplsla@hplabs.hp.com)

From 4383926568780688117
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61b38504f909074a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 11:46:47 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!emory!mephisto!mcnc!rti!sunpix!gb
From: gb@sunpix.East.Sun.COM (Sun Visualization Products)
Newsgroups: rec.ham-radio
Subject: Re: Remotely Tuned HF Beam Antenna
Message-ID: <3291@sunpix.East.Sun.COM>
Date: 10 Jul 90 18:46:47 GMT
References: <3028@sunpix.East.Sun.COM> <882@ssc.UUCP>
Followup-To: <882@ssc.UUCP>
Organization: Sun Microsystems, Research Triangle Park, NC
Lines: 90
Posted: Tue Jul 10 19:46:47 1990

Thanks for the reply Tad. To help maintain context, I have included your quotations from my posting (preceded with >>) along with your comments (preceded with >).

>> The plan is to put up a three element beam cut for 20 meters. At the
>> center of each beam element there will be a tuning unit with a
>> variable capacitor that can be controlled from the shack. By tuning
>> the elements it should be possible to achieve optimum operation (gain
>> or fb ratio, not both simultaneously) on any frequency on the band.
>
>My 3 element 20 meter Yagi has a director and reflector that are each
>a continuous piece of aluminum tubing. How would a variable capacitor
>tune these elements?

I was thinking of elements that are insulated at the center, for
example a wire beam, but you could certainly tune solid elements
without breaking them. The linear resonators used by Moxon (HF
Antennas for All Locations) would be one approach, a "delta" match
would be another.

>> If the tuning unit has sufficient range, it should be possible to
>> operate the beam on 20, 17, 15, 12, and 10M by retuning the elements
>> for proper resonance. The antenna would have increasing gain as
>> frequency is increased.
>
>To be effective, a Yagi requires precise spacing in terms of a fraction
>of a wavelength between each element. If I am using .18 wavelength
>spacing from the driven element to the director on 20, that becomes .36 wv
>on 10 meters.

Most multiband yagis have this same problem. A 0.1 wavelength spacing
on 20M is 0.2 wavelength spacing on 10M. Its a compromise. A look at
the charts for gain and front-to-back ratio versus element spacing (in
ARRL antenna book, or in the Yagi Design Handbook) reveals that good
gain and fbr can achieved for a wide range of element spacings. The
wider spacing (in terms of wavelengths) that you get at higher
frequencies (up to the point where excitation of the elements begins
to drop off) along with the increasing length of the elements gives
increased gain. There have been several articles over the years on
the use of extended elements in yagis for increased gain.

>> Also, my .507 wv driven element on 20 becomes over one
>>wavelength long on 10, no matter how you tune it.
>
>I see problems!

The magnitude and phase of the currents in the elements are the
important factors affecting yagi performance not the length of the
elements. If the driven element is matched to the feedline, and isn't
so long that the pattern deviates from the familiar figure 8 of the
dipole, a yagi will work regardless of the length of the driven
element. Moxon describes yagi's that are fed with open wire line and
matched with tuners back at the shack. There is a feedline for each
element so that the elements may be resonated at the appropriate
frequencies. Also, some german outfit sells a multi-band yagi that is
trapless and uses the full element length on each band but with fixed

tuning for each band.

>>
>> This brings up several implementation questions for further research.
>>
>> 1) What sort of tuning unit?
>
>A MAGIC one! :)

No magic required. Moxon's book as well as my own simulation with NEC shows that retuning yagi elements works. I'm looking for ways to implementing such retuning without requiring multiple resonant lines back to the shack.

>>
>>   Any other ideas?
>
>How about just buying a commercial triband Yagi with traps? Or perhaps that
>Mosley model that works all the WARC bands in between? It should work a
>LOT better!

I don't want to buy an appliance antenna. Particularly one with traps that waste power and don't realize the full gain potential of the element length. Besides it wouldn't be as much fun.

Also, a yagi with fixed tuning has a high front-to-back ratio over only a small frequency range. Tunable elements would allow >30db front-to-back ratio across an entire band.

Again, thanks for the reply, Tad. I'm still hoping for greater response. Surely there are some RC modelers or servo gurus out there who can tell me how to control my remote tuners.

73 wa4fut

```
From 5454370637884757824
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c45fe0f673ab5851,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 12:05:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
STL-06SIMA.ARMY.MIL!wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: Contents of the Digest
Message-ID: <9007101906.AA18845@ucsd.edu>
Date: 10 Jul 90 19:05:51 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 32
Posted: Tue Jul 10 20:05:51 1990
```

Sorry about this going to the list itself, but there doesn't seem to be any other way. Mail sent to "info-hams-request@ucsd.edu" appears to be being read only by a "listserv" program, not by a human, so questions and comments elicit only a machine-generated response like a "help" message. Unfortunately, that response still contains no real live person's address to send this sort of thing to...

1) We on the mailing list side have been seeing more and more messages included in the Digest which have "null" in the header info, and no subjects. These tend to be fairly incomprehensible. Can this be fixed so we see meaningful items?

2) Could the Digest header be amended to include a moderator's personal address, if the "-request" address is going to be read by a machine? We need somewhere to send traffic like this note.

3) The standard "undigestify" process (at least the only one I know of, which is implemented here as part of the MMDF "msg" program) has a lot of problems with embedded rows of dashes inside messages. Those are the digest convention to separate individual postings. To those of you who send traffic to the list: please ensure that your ".signature" fields are not preceeded by a line of dashes. Don't use lines of dashes to separate chunks of your messages or postings. Use equal signs or asterisks or some other symbols instead. To the moderator: could the digestification program be adjusted to remove any embedded lines of dashes within postings *before* those postings are combined into a Digest?

Sorry to pester those of you on USENET about this, which is of no interest to you. (But it would help us over here if you noted the bit about lines of dashes...)

Regards, Will Martin

From 3773078948910798351
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,80ea1f90a268a02e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 12:12:03 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!ucbvax!XEROX.COM!"wayne_a._lightsey.RochXRC"
From: "wayne_a._lightsey.RochXRC"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Some CW procedure questions (reply is LONG)
Message-ID: <900710-121240-5799@Xerox>
Date: 10 Jul 90 19:12:03 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 118
Posted: Tue Jul 10 20:12:03 1990

Ronald H. Nicholson, Jr., Hewlett Packard, uucp: nicholso@hpda.HP.COM, Cupertino, CA, writes:"Hi. I've got some questions that maybe the net hams could answer, at least those with experience in CW. ... I hear lots of variation in the use of things like:BT vs. periods for punctuation, one or two BT's at a time, R R R vs. FB, R R R before or after the callsigns, 559 vs 55N for the 2nd RST report, differing amounts of abbreviations, BK vs. BK TU vs. callsigns DE callsign KN, when to use AR (I've only heard it used twice), leaving out one callsign and just send DE callsign, just ending with BK and no callsigns, SK before or after the closing callsign, the dit dit at the end of contacts."

Following are my opinions based upon practice regarding some of the variations you list:

"BT" is used for a break in the conversational flow . "II" is another abbreviation sometimes used for the same purpose. In traffic handling, the various elements of the message header, e.g. message number, "II", message precedence, "II", check (group count),"II", time, "II", etc. are seperated by the double-I sequence for clarity. After the address information in a mesage, there is a "BT" - seperating the heading/address from the text about to be sent. In voice traffic handling, the "BT" is sent as "break". After the text, another "BT" is sent (in military protocol signaling the end of the message, i.e. in lieu of "AR") seperating the text from the signature information (in ARRL NTS format).

More than one BT is a long pause. The operator needs much thinking time! It is used occasionally following one message and prior to sending the next one while an operator shuffled papers, etc. The "BT's were sent to maintain "control" of the frequency and to let the other operator know that you were still there - that atmospheric conditions had not destroyed your communications path. If you really needed some time, you send "AS" meaning stand-by. If several minutes were to elapse, like while you answered a land line telephone call, you would send "AS 5" meaning stand-by five minutes.

"R R R" is poor operating practice. One "R" is sufficient, "Solid Cpy" is more succinct, and "FB" or "OK" means you at least copied the general meaning of the transmission.

"RST 559" is the correct way to send a signal report. 55N has no defined meaning - it is absolute laziness to not send the character "9" in morse code. If the practice were uniform, your "RST 559" would become "RST FFN". The problem with this, of course is that you do not know if you received a 559, 549, or 449!

All I can say about abbreviations are that they are an apparent attempt to speed up communications. In non-standard abbreviations, at high Morse speeds (25 wpm and higher), you are doing word recognition, not character recognition; and abbreviations that are not universally known throw a glitch in the communication. Abbreviations are not good practive in International communications. Mst hv no pblms undrstndg wht is mnt by wl frmd abbrevs lk WX, TMP, HPE CUAGN SN, TKX (or the variation TNX), bng addr as DR by DX stns whs rigs run 1TT WTTS to varius ANT on CLDY DYS WID RAIN! An unclear abbreviation could be a technical violation, considered enciphering - which is prohibited! You pays your money and takes your chances!

"BK" stands for "BREAK" - a signal used in break-in operation. Its intended purpose was to interrupt a message to obtain a fill or correct an error - rather than wait until the entire message had been sent. It is correct to use in traffic handling situations and O.K. if properly used in a normal QSO to interject a comment or thought in a conversational mode contact (most enjoyable to work someone who can do so!). Using this protocol, you are required to identify at the beginning , end and once each 10-minute operating period.

"BK TU is redundant, like "very best 73's - very best best regards's???". "BTU", sometime with a "K", meaning (I think), "back to you" seems to becoming a means of saying "Over" in CW.

"Callsign DE Callsign" " K" or "KN" ("K" means you are willing to have someone "BK"-in, "KN" means no "BK"-in allowed) is still used but was moderated by a rule change several years ago that no longer required station call transmission at the beginning and end of each transmission but only at the beginning and end of a series of transmissions with identification once each 10-minutes during the series of transmissions.

"AR" means "end of message". It is normally used at the completion of transmitting a formal message with header, text, signature, etc. Noah built and sailed an "AR K" but the useage in ham radio casual communications is incorrect and indicative of a LID operator! The only correct ueage of "AR" in ham radio is in conjunction with traffic handling but, like other special signals, is often abused.

"DE Callsign" is an extended break-in process except when fulfilling the 10-minute identification rule. You are not required to send the other stations callsign EXCEPT at the beginning and end of a series of transmissions.

"SK", In traffic handling parlance means you have sent the last of a series of messages and have no other traffic to send. (You never send "AR""SK"). If you expect a reply, you may also send "K" or "KN". If you do not expect a reply (i.e. the other station has already sent "SK" or did not list traffic for you ,"QRU"), then send nothing else! In commercial traffic handling, the "reply" would be message traffic from the other station to you - of which you were previously advised. By sending "SK Callsign DE Callsign K", you would be saying: I have sent the last of my messages for you and am now ready to receive your message(s) for me". The useage of "SK" in ham conversation mode really has no defined meaning.

The "shave and a haircut - two bits" ditting sequence is silly and exists on the ham bands only to my knowledge! In commercial communications, it would mark you as LID - read "unprofessional" and possibly lead to your early retirement if other changes had not already provided that opportunity.

CW QSO transcripts should be personal - not scripted. Your initial exchange should include signal report, location and name - in that order.

Those three items are the most important, in order, in checking rig operation, validating a contact etc. On the next exchange, I usually include rig description with antenna, etc. Weather is optional as is age, occupation, employer, unique geographical features (live on lake, by seashore, on mountain top, in Death Valley, etc.) or whatever else may come to mind if the contact seems like one you would like to extend. Remember, many foreign hams cannot engage in contacts beyond technical exchanges - although I would believe that those restrictions are relaxing now. Like any conversation with a stranger, toss out a little bait and see where it leads. If nowhere, say 73 and move on. 73 Wayne KB6CSP

From 24015450470113567
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16d0a1d7bde0f8ce
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 12:20:13 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!umich!mailrus!ncar!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: HAM RADIO IN DANGER
Message-ID: <2670@anasaz.UUCP>
Date: 10 Jul 90 19:20:13 GMT
References: <319.2697A4C5@w8grt.fidonet.org>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 24
Posted: Tue Jul 10 20:20:13 1990

In article <319.2697A4C5@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
]No. I don't think of ham radio as an antique wireless museum, which is
]basically what happens on HF. I think of ham radio as a National Park of the
]Mind where the curious can go adventuring on the frontiers of technology. THAT
]is happening on VHF and up.

Ah... don't get too down on HF. There are plenty of technical challenges left on HF. For example:
(1) continued research on propagation;
(2) how to do packet radio EFFECTIVELY given the problems of HF propagation, bandwidth and the inevitable hidden terminal problem;
(3) antenna work (antennae are a LOT more predictable at VHF because they don't interact with funky grounds as much);
(4) noise reduction/cancellation techniques.

I don't think that the future of amateur radio is just on VHF and up! HF has unique problems, and it also has unique capabilities. Don't neglect it just because a lot of old farts hang out there and chew the rag.
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu

Voice: (602) 951-9326 FAX:602-861-7642 Advice: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -1799934395874938336
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,70965dce66c9d621,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 12:25:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!XEROX.COM!"wayne_a._lightsey.RochXRC"
From: "wayne_a._lightsey.RochXRC"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Vertical Antenna Info request - Ron Majewsk
Message-ID: <900710-124639-5890@Xerox>
Date: 10 Jul 90 19:25:54 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Tue Jul 10 20:25:54 1990

Ron,

I operated in California for several years with a Hustler 6BTV. Operation was satisfactory when ground mounted, better when roof mounted with radials.

I would recommend the Butternut all band vertical. Consistently, in my experience, Butternut verticals exhibited superior signals vertical to vertical or vertical to horizontal polarization. This may only be characteristic of the Butternut design versus Hustler et al loaded trap design, but I am convinced that they work better and if I were to buy another vertical, it would be the Butternut.

From 8318488254545329502
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b260e4ab84dd4d4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 12:50:43 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: How to deal with TVI
Message-ID: <1250192@hpnmdla.HP.COM>
Date: 10 Jul 90 19:50:43 GMT
References: <1990Jun28.172135.11814@lopez.UUCP>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 56
Posted: Tue Jul 10 20:50:43 1990

>I'm afraid that YOU are the one that is confused. When an unbalanced filter

>is used to bypass unwanted RF energy to the chassis and the chassis is
>not connected to ground, the chassis structure and the outside of the
>coax shield, the microphone cord, the powerline, and any other wires
>connected to the chassis become RADIATING ELEMENTS for that unwanted
>RF. Thus the desired effect of preventing unwanted radiation is lost.
>The currents between the coax center conductor and shield are supressed,
>but that is of little use if the outside of the coax becomes "hot".

>Gary KE4ZV

OK, I'll try to explain it one more time. Perhaps a picture will help.

```
      TRANSMITTER            COAX        L. P. FILTER      COAX
________________________               ________________
|                        |             |                |
|                        ---------------                ---------
| Transistor Collector---------------------+--coil--+------------ antenna
|                        ---------------   |        |   ---------
| Transistor Emitter-+   |             |  cap      cap  |
|                    |   |             |   |        |   |
|____________________|___|             |___|________|___|
```

Please excuse the crude schematic.

The transmitter generates an RF potential between the coax center conductor and "ground" (= chasses = coax shield). I have omitted the tranmitter output coupling network for clarity, but the same principle holds -- both input and output of the network are referenced to chassis "ground".

The rf current going out the tranmsitter coax center conductor is matched by an equal and opposite return current flowing in the shield. Because of skin effect, this return current flows on the inside of the shield -- no current flows on the outside of the coax. In other words, there is no "common mode" current on the coax; it is all "differential mode" which means the two equal and opposite currents cancel and there is no radiation from the feedline.

The filter acts the same way. To see this, you can ignore what is inside the unit and consider it a "black box". Kirchoff's law says that current is not created or destroyed in a circuit. If the two currents (center conductor and shield) entering on the left sum to zero (equal and opposite), then the same must be true of the currents in the center/shield of the coax exiting to the right.

Note that the drawing above does not show an earth ground. All voltages inside the transmitter and filter are WITH RESPECT TO CHASSIS GROUND, NOT EARTH GROUND. You could connect a 1000 volt battery between chassis and earth without affecting circuit operation. Or a 1000V RF source.

Even though the low-pass filter circuit is referenced to "ground", this does not imply "earth ground".

Al N1AL

From 8649822161324511271
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,53fe1851689cf3e1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 12:52:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Faraday Cage
Message-ID: <9007101952.AA00790@cmr.ncsl.nist.gov>
Date: 10 Jul 90 19:52:52 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 10
Posted: Tue Jul 10 20:52:52 1990

I think that the people arguing about low-pass filters and the need for a good ground on the rig's chassis, and the OUTSIDE of the box being hot for RF even with a filter... ought to look into the idea of a Faraday cage. Also look at the TVI prevention articles written years ago in QST, Handbook,\ etc., etc.

Bob W3OTC

Too much Voodoo Radio is going on in this discussion.

From -3006152590471450218
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f4285b9aa5630ddb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-10 13:36:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Re: Alligators and kerchunking
Message-ID: <9007102123.AA06736@ti.com>
Date: 10 Jul 90 20:36:44 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 29
Posted: Tue Jul 10 21:36:44 1990

Rusty Carruth brought up an interesting point when he mentioned that he thought he had problems with his receiver. Funny thing about transceivers:

The transmitter only may fail, and vice versa. When working with repeaters and offsets, how do you know, when you fail to hear the repeater respond, whether it is because the transmitter isn't mitting or the receiver isn't ceiving? With a dead receiver, you could be banging the heck out of the repeater and never know it, all the while thinking you weren't "getting out".

Or the receiver could be mistuned. Or you could have the wrong split.

In my flying days, this used to be a concern, especially in IFR conditions. You reported to air traffic control but didn't hear a response. Was it the transmitter or the receiver? But in that case, there was a live person on the other end who would sooner or later call you and, hearing no response, assume your radio failed; or hearing your call but getting no response to his reply, would pretty well know your receiver was out. Still, you wouldn't know. With repeaters and kerchunks, a casual listener or a monitor wouldn't know who was trying to call unless an ID was given. Assuming the kerchunker giving an ID was in the book and reachable by phone, a monitor could at least tell him (her) that the transmitter was working.

On the receiver problem: I'd check the receive crystals (if there are any in the set). I'd make sure that the receiver is on the proper freq. If that passed, I'd try to do an alignment. Check any switch contacts and socket contacts to make sure all is OK. Use a wattmeter or another receiver to verify that the transmitter is working, not a repeater.

73,
Dube Todd N5PDK

From 3322113413951016
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,afc27f4a37bd086
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-04 18:02:59 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: Carrying NiCd packs on airplanes
Message-ID: <171@bongo.UUCP>
Date: 4 Jul 90 04:43:24 GMT
References: <30500583@ux1.cso.uiuc.edu>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 18
Posted: Wed Jul 4 05:43:24 1990

In article <30500583@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
> I also do NOT use the insulators Periphex sent with my packs that says
> "battery may explode if shorted". Even if all the precautions are taken,
> some security checkpoint person is liable to prohibit them out of ignorance
> of all the work I did to prevent the problems, if they read that. So I just
> use a plain credit card plastic insulating tab. Besides, the ones I made
> fit much better anyway.

I use the nice plastic cards the United give out that say "Seat Occupied" in several languages. They are thinner than credit cards, are easy to cut with scissors and are white. They are also available on all United flights (-:

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From -6740919549761435286
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,39738c41a9acc961
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-04 18:03:02 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: 2m antenna in the attic, bad?
Message-ID: <172@bongo.UUCP>
Date: 4 Jul 90 04:53:31 GMT
References: <101706@philabs.Philips.Com>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 26
Posted: Wed Jul 4 05:53:31 1990

In article <101706@philabs.Philips.Com>, rfc@briar.Philips.Com (Robert Casey) writes:

> Got a question: Is it a bad thing to use a 2m antenna in the attic of the
> house? Does the roof and walls of the house attenuate the RF
> signal greatly?

> I can see these possibilities:
> a) antennas inside the house are a bad idea.

Depends on the material between the antenna and the outside of the house. Ferro-concrete walls and galvanised ("Hot Tin") roofs are excellent shields. If the material is dry and RF transparent, say polystyrene foam then it doesn't matter. If you want a general rule, Outside is best. But if you live in Hurricane alley or you get 15 Ft of snow every winter then inside may be better in the long run.

> b) maybe the position of the attic antenna happened to be in a null

Could be. Move the house a few feet and watch the S meter (-:

> c) DDRR antennas are poor.

They are pretty poor. Why not put up a dipole? For indoor use you can make one in 30 Mins with a soldering iron and staple gun.

In an hour you could make a ruggedised outdoor dipole.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From -5254192867611935285
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed2dd39a7a2df625
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-04 18:18:42 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: distributing schematics
Message-ID: <25710@usc.edu>
Date: 5 Jul 90 00:35:16 GMT
References: <1990Jun30.150812.105@swlabs.uucp>
<1990Jul2.171023.14656@cbnewsm.att.com> <1990Jul3.225719.16615@swlabs.uucp>
Sender: news@usc.edu
Organization: EE-Systems, USC, Los Angeles
Lines: 30
Posted: Thu Jul 5 01:35:16 1990

I don't know why I didn't think of this last week when the question was raised, but at least I thought of it now ...

Use SPICE format to distribute schematics!

Advantages:
1   It's pure ascii text, and it doesn't require a lot of bandwidth.
2   The small bandwidth is a large advantage for the packet people.
3   It fits through existing mailer programs just fine.
4   You can run it through your SPICE program, and play with it.
5   If you don't yet have SPICE for your IBM PC clone, a student version is available free of charge. Any respectable university or corporation will have SPICE running on their workstations.
6   SPICE is well known, and is _gaining_ popularity as device manufacturers are now providing SPICE parameters for their devices. In addition, other manufacturers are providing test equipment that automatically measures devices, and gives you the SPICE parameters.

Disadvantages:
1   Some people may not yet know SPICE. However, it's easy to learn.
2   Some devices used may not yet be parameterized for SPICE. Even though you can't run it through SPICE to simulate it, you can still distribute the schematic.

I think the advantages far outweigh the disadvantages. Any other comments?

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From 4370683451140243063
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1fe885019cd4bebc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-04 19:31:35 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!ucsd!helios.ee.lbl.gov!pasteur!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: RE: Some CW procedure questions
Message-ID: <9007050147.AA11447@ti.com>
Date: 4 Jul 90 02:40:28 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 167
Posted: Wed Jul 4 03:40:28 1990
X-Local-Date: 3 Jul 90 19:40:28 PDT

> From: TILDE::"nicholso@hpcuha.HP.COM" "Ron Nicholson" 3-JUL-1990 17:25:05.78
> Subj: Some CW procedure questions

Ron,

Good luck with it. PROCEDURE is really intended for formal situation, like emergency traffic anmd directed nets. What you find ON THE AIR is more in the realm of CUSTOMARY.

If you have access to ARRL books, I would recommend "The ARRL Operating Manual" and "Operating and Amateur Radio Station". Both give formal and informal examples.

Here, I have commented on your question, to the best of my awareness. As a code instructor, I try to at least keep aware of what's going on out there.

I am sure you will get other responses, and I hope this and those will help answer your questions.

> I hear lots of variation in the use of things like:
> - BT vs. periods for punctuation,

BT is a "double dash" and might be analogous to an "uhhhh..." is speech. It is supposed to be a separator between segments, but some folks send BT just to waste time until their brain catches up with their fingers.
Punctuating takes a little thought. It sounds formal, too. BT sounds quick and informal, and is nice and easy to send.

> - one or two BT's at a time,

They really can't think of what to say.

> - R R R vs. FB,

Partly as before, while gearing up thinking what to say, some folks send

R R R just to waste time. One is probably enough. Imagine on voice, someone saying "I heard you, I heard you,..." over and over.
R means "RECEIVED" and kind of informally, "ROGER" (acknowledged),
FB is abbreviation for FINE BUSINESS (?) which must be a pretty old expression, and only used in radio; I've never heard it in any other context. Think of it as an adjective describing the state of mind of the other operator; he is hearing you well and is happy to talk to you... (I suppose!)

Saying R FB (or worse, R R R FB) is redundant. But you hear it again and again...(sorry about that!)...on the air.

> - R R R before or after the callsigns,

Again, wasting time, getting the brain up to speed with the fingers.

> - 559 vs 55N for the 2nd RST report,

Shorthand. N for 9. You'll also hear 5NN.

> - differing amounts of abbreviations,

I have a list I will mail you, copied from ARRL lists and other sources. If you get other lists from elsewhere, I would appreciate a copy to merge with mine, because I sometimes send them in code practice sessions at the radio club here.

> - BK vs. BK TU vs. callsigns DE callsign KN,

BACK (sometimes read BREAK if quick exchanges are happening) generally BACK with the TU meaning TO YOU.
CALL SIGN DE CALL SIGN is full-out you-from-me identification, with the KN meaning GO-ONLY, the QSO is not meant to be broken into.

> - when to use AR (I've only heard it used twice),

QSOs? Maybe never. It is a formalism. It is used to mark specific END OF TRANSMISSION in formal third party traffic and in Net operation. When you're rag-chewing or contact chasing, it's probably not really necessary.

> - leaving out one callsign and just send DE callsign,

Shorthand. You really only have to send your OWN call sign.

> - just ending with BK and no callsigns,

Shorthand. You really only have to identify every 10 minutes and at the end of the contact, so BK (BACK or maybe BREAK) just passes it back to the other person.

> - SK before or after the closing callsign,

SK means END OF CONTACT. (BTW it is one of the prosigns REQURED in the FCC/VE code exams, along with AR and BT.)

> - the dit dit at the end of contacts.

Silliness... Shave-and-a-haircut, Two Bits. That's how it started, and has sort of degraded to just the dit-dit.

> Also, could someone post or email me some transcripts of some basic CW
> QSO's, including things like a contest contact, a short DX QSO and a
> typical novice interchange (name is, rig is, ...).

REMEMBERING that the PROSIGNS, BT AR SK AS KN, are run together as one character, =***= not =*** =, etc.

(I hope if these call signs exist, the holders won't mind!!)

```
    CQ CQ CQ DE WA8YCD WA8YCD WA8YCD K

    WA8YCD DE KY2D K

    KY2D DE WA8YCD R TNX FER CALL BT
    UR RST 589 BT
    QTH MORGANTOWN, WV BT
    NAME BOB BT
    RIG HR IS DRAKE TR4C ES ANT DIPOLE UP 34 FEET BT
    WX HR IS SUNNY AND WARM, TEMP ABT 80 DEGREES BT
    JUST THOT I WUD SEE WATS ON THE BAND THIS MORNING HI HI
    SO WAT SA? N2EFG DE KA1BCD K

    etc....
```

If conditions were marginal, you might send the RST, your NAME, and QTH twice, but at slow code speeds if it is not necessary, don't make the other OP wait through it.

The other operator may ask for repeats. You may also have to ask for repeats if (QRM, man-made) or (QRN, natural) interference or changing band conditions (such as fading, QSB) keep you from hearing the entire transmission.

VERY IMPORTANT! Send your CQ and generally everything, at the speed YOU want to copy! Don't blame the other OP for sending back too fast if you send that fast too!

QRS (send slower) when asked to, and don't be afraid to ask the other OP to slow down if you are missing too much!

Contesting is a different matter on exchanges... you might hear all kinds of short cuts.

BTW, "CQ TEST" has come to mean "CQ CONTEST", not TEST as in experiment.

```
      CQ FD CQ FD DE WA8YCD WA8YCD K
      WA8YCD DE KY2D K
      KY2D DE WA8YCD TU 1A WV BK
      DE KY2D QSL 1A WV TU 2A NNJ BK
      DE WA8YCD TU GL TEST SK
```

Listen. Not all contesters are doing the same thing, some work faster and hear more distinct calls out of a pile-up and shortcuts work. But if in doubt, pick an exchange that makes sense to you and stick with it.

Some contests have specific formats. Check the magazines for how those work.

I'll look at my Code Practice files and see what else I can send you.

When in doubt, use CUE CARDS (Just like on TV!!)

I recommend to new hams that they write out on a sheet of paper in large, friendly letters the information they would like to send to the other station in a QSO. Such a "script" or "Cue Card" can help you when you can't think of what to say next. After a while, you relax with it and can get rather chatty.

When you can relax, you start enjoying the CW QSO and it becomes a transformation into a language, not just a code.

Good luck!

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                          !   "In order to accomplish the
 Bob West WA8YCD                 !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM        !    the absurd!"
                                 !       -- Miguel de Animo y Jugo
 P. O. Box  863069               !
 Plano Texas 75086               !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

From -4087837079528663538
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,afc27f4a37bd086
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-04 22:03:33 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Carrying NiCd packs on airplanes
Message-ID: <15026@ucsd.Edu>
Date: 5 Jul 90 04:27:40 GMT
References: <30500583@ux1.cso.uiuc.edu> <171@bongo.UUCP>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 18
Posted: Thu Jul 5 05:27:40 1990

I just stick the spare batteries in individual zip-lock plastic bags in my aluminum suitcase. 100,000+ air miles and never a problem.

I have carried 35mm still cameras, film, walkies, walkmen, motion picture and video equipment, oscilloscopes, toolkits, and demo equipment onto I don't know how many planes over the last 15 years, and all they want to look at is my umbrella. Every time; never fails - so

I stick the umbrella in my jacket pocket and throw the whole thing into the xray.

Not ONCE have the wanted to look at my battery stuff, and with the plastic bag trick, I've never had a short or a leak.

I can tell you a story about getting an interesting burn mark when the battery contacts on the bottom of a walkie shorted on a jewelry chain I was wearing, but I suspect there's few of you I know well enough to show you the scar....
              - Brian

From -3032399999902834331
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed2dd39a7a2df625
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-04 22:18:57 PST
Path: gmdzi!unido!mcsun!uunet!samsung!know!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Ham Radio, CQ etc .....
Message-ID: <30500584@ux1.cso.uiuc.edu>
Date: 5 Jul 90 04:28:00 GMT
References: <183631@<1990Jun28>
Lines: 6
Nf-ID: #R:<1990Jun28:183631:ux1.cso.uiuc.edu:30500584:000:267
Nf-From: ux1.cso.uiuc.edu!phil   Jul 4 23:28:00 1990
Posted: Thu Jul 5 05:28:00 1990

I would rather have seen HR sold to 73 than CQ. But stingy old Wayne would probably have never offered as much.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 8153594659166299768
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca98fcff0a6fcb3c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,ca98fcff0a6fcb3c
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-07-04 23:33:09 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!kd4nc!n4hgf!jts
From: jts@n4hgf.Mt-Park.GA.US (John Smith KI4XO)
Newsgroups: rec.ham-radio,rec.ham-radio.swap
Subject: Re: What do people use for sweep generators?
Keywords: sweep generators
Message-ID: <138@n4hgf.Mt-Park.GA.US>
Date: 5 Jul 90 03:27:30 GMT

References: <3478@radio.oakhill.UUCP>
Reply-To: jts@n4hgf.UUCP (John Smith KI4XO)
Followup-To: rec.ham-radio
Organization: Amateur Radio Station N4HGF
Lines: 20
Xref: gmdzi rec.ham-radio:12630 rec.ham-radio.swap:491
Posted: Thu Jul 5 04:27:30 1990

Yes I regularly use a sweep generator for several areas...primarily it
is very useful when couple with the spectrum analyzer to set up cavities
for repeaters and front ends for radios. First I use the sweep generator
as a crude alinement point to get the filters shaped the way I want them,
then I use cw to check the notches and rejection at the 6 db points...
It makes setup time remarkably fast and easy. Sweepers are great for
checking out coax for flatness(as well as using a TDR)

The sweeper I currently use is a PM model 1042   5 to 500 mhz generator
delivers approximately +18 dbm across the entire spectrum, it is fairly
flat in amplitude but has a high degree of phase noise... thus I use it
with some caution when alining things.   There are several nice features
on this unit such as the F1, F2 and Marker are all variable and the sweep
rate is free running, line or can be triggered.   Pretty much all you need
for quick and dirty set up of if filters and the like.
As to seeing many units at hamfests I have not encountered many of them
lately nor is the use of sweep generators a dying art, they are used every
day in our company to setup they equipment we manufacture.
(Forgot to add the sweeper has a variable pad in 10 db steps)

From -5284435746051979686
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a93018165f56ed11,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-04 23:46:43 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!portal!cup.portal.com!Duel
From: Duel@cup.portal.com (Omid M Farr)
Newsgroups: rec.ham-radio
Subject: TRC-430 CB
Message-ID: <31439@cup.portal.com>
Date: 5 Jul 90 03:45:38 GMT
Organization: The Portal System (TM)
Lines: 18
Posted: Thu Jul 5 04:45:38 1990

I recently installed a TRC-430 Realistic (radio shack) CB in my pickup.
I had real bad problems with receiving and sending... forget it!
I just got the SWR meter and after spending an hour fooling around trying
to figure out whats right and whats not heres what i got...
the field strength from about 2 1/2 feet away (with the CAL in the middle..
whats a good setting to put CAL on for field strength anyways??) but i dont
know if thats up to par with what i should have.. or is it?
with the regular SWR testing i was able to get channel 19 to just about 1 and

channels 1 and 40 were at about 2.. i think thats how its supposed to be
if you just want the bands be to "even".
But when you transmit, i was used to the regular setting of all 3 green bars
and the red (4th bar) lighting up. now only 2 bars light up. whats the deal?
I am able to get all 4 bars to light up IF my field strength is 0 (again with
CAL in the middle) and the regular SWR testing showed a 3-4 on all channels..
Shouldn't all 4 bars light up when transmitting?
Maybe one of you experienced CB'ers can help me out with this, I'd really
appreciate it...
Thanks...

From -5400046720969624594
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 00:02:07 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!netnews.upenn.edu!
eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Kerchunking (was Re: Homebrew repeater controllers)
Message-ID: <26712@netnews.upenn.edu>
Date: 5 Jul 90 06:24:56 GMT
References: <:6=&.Y-@splut.conmicro.com> <1990Jul4.043701.3457@csense.uucp>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu.UUCP (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 24
Posted: Thu Jul 5 07:24:56 1990

The best way to prevent kerchunking and still maintain a courtesy beep and/or a transmit carrier hang time is to have the repeater only key up when a carrier breaks squelch, PL is heard (if applicable) AND audio is present. This forces the would-be kerchunker to say something, hopefully his call sign. At least one repeater I know of here uses this technique, quite successfully. The reason it works is that nobody wants to key down and say "Hello" or "Testing", without IDing for fear that his voice would be recognized.

After the repeater is first brought up, the audio-presence test should probably be ignored, as there is a good chance that the first few ms of a transmission may get cut off before the controller realizes that audio is present, but the delay would probably be insignificant if done properly.

The only problem with this system is that unfamiliar users would probably assume that the repeater was down. But hey, if everybody did it this way, kerchunkers would soon become extinct. Yeah, right :-)

```
                                               --- Jeff
+------------------------+-----------------------------------------------------+
| Jeff DePolo N3HBZ/AA   | Internet: depolo@eniac.seas.upenn.edu               |
| Univ. of Pennsylvania | RF: 146.685- 224.40- 442.70+ 144.455s (Philadelpia) |
| Computer Science Eng. | Twisted pair: (215) 386-7199 home                   |
|     Class of 1991     | Carrier pigeon: 420 South 42nd St. Philly, PA 19104 |
+-----------------------+-----------------------------------------------------+
```

From -3204627618758999979
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac8adf3d0433ef8b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 00:33:02 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!helios!venus.tamu.edu!rdw2030
From: rdw2030@venus.tamu.edu
Newsgroups: rec.ham-radio
Subject: QEX
Message-ID: <6361@helios.TAMU.EDU>
Date: 5 Jul 90 06:56:58 GMT
Sender: usenet@helios.TAMU.EDU
Reply-To: rdw2030@venus.tamu.edu
Organization: TAMU
Lines: 15
Posted: Thu Jul 5 07:56:58 1990

I tried in vain yesterday to post this... I just LOVE my news site!

There is usually a sidebar in QST called somthing like "This month in QEX"

I'm surprised noone has mentioned this. Strangely enough, however, it is not
present in the July QST! Pretty unfortunate considering all the people on
here getting interested in QEX recently!

As soon as I find myself a REAL job, I will get it.

:-)

Mark C. Lowe - KB5III

73

From -7134617804138848926
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2f7e5d9f25e521b3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,1c7a7a6cba7fd405,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-05 01:05:28 PST
Path: gmdzi!unido!mcsun!uunet!wa3wbu!compnect!daveh
From: daveh@compnect.UUCP (Dave Hultberg)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Scanner Antenna / Discone / Technical questions
Summary: RS Discone works well for me
Message-ID: <686@compnect.UUCP>
Date: 4 Jul 90 23:31:03 GMT
References: <1990Jul3.025821.8189@midway.uchicago.edu>

Organization: John Core at home, Harrisburg,PA
Lines: 37
Xref: gmdzi rec.ham-radio:12634 rec.radio.shortwave:1556
Posted: Thu Jul 5 00:31:03 1990

In article <1990Jul3.025821.8189@midway.uchicago.edu>, gary@ellis.uchicago.edu (gary buchholz) writes:

> I recently purchased a Discone scanner antenna from (ug) Radio Shack. This
>   <stuff deleted>
> Here's the question(s)
> 1) The "users guide" cliams that the discone recieves 25MHz -> 1.3GHz. So what
> does this mean? A paper clip can recieve 25MHz - 1.3GHz. Is this hype or
> does it actually mean something ?
>

The discone is a very broadbanded antenna. I use mine with a RS PRO-2004 scanner which has the same frequency range as that claimed for the antenna. Mine is mounted on my chimney and pulls in signals very well. Your high frequency performance is dependent on the type and length of your coax feed. RG-58 100 feet long will severely attenuate signals above VHF.

>
> 2) The claim is that it has a 1.5 SWR or better across 144,220,440 and 1296
> MHz. Anyone use the Discone for transmitting ? How well does it work ?
>

I have used to transmit on both 144 and 440 MHZ. Mounted on the chimney I have worked repeaters over 50 miles away. I get good signal reports on both bands, even when using 1.5 watts from a 440 HT. SWR on 144 MHZ was less than 1.5/1. I haven't measured it on 440.

>
> 3) I have a handfull of books on antennas but none discuss an antenna quite
> like the Discone. Can someone tell me qualitatively how this antenna with
> its double set of 8 radials "works"
>

The ARRL antenna book describes the discone in detail. The 8 "radials" as you call them form a disc and an inverted cone, hence the name discone. As I said above it has a low SWR across a broad range in frequencies. The trade off is an antenna with no gain. Bottom line is that I am very satisfied with my RS discone.

--
Dave Hultberg KA3UZR   Mail: 1407 Concord Road, Mechanicsburg, PA 17055-1955
daveh@compnect.uucp   Home: 717-766-0051 CI$: 72437,3215
uunet!wa3wbu!compnect!daveh Work: 717-790-4507 Fidonet: 1:270/111.0
compnect!daveh@uunet.UU.NET FAX: 717-790-3689

From 5566122755695264581
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,69471e8b501a2604
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 01:05:50 PST
Path: gmdzi!unido!mcsun!uunet!wa3wbu!compnect!daveh
From: daveh@compnect.UUCP (Dave Hultberg)
Newsgroups: rec.ham-radio

Subject: Re: Phone number for Grove
Summary: Grove is in NC
Message-ID: <687@compnect.UUCP>
Date: 4 Jul 90 23:40:44 GMT
References: <112338@linus.mitre.org>
Organization: John Core at home, Harrisburg,PA
Lines: 19
Posted: Thu Jul 5 00:40:44 1990

In article <112338@linus.mitre.org>, sra@linus.mitre.org (Stanley R. Ames) writes:
> Can someone please semd me the current phone number for Grove Electronics
> in I believe New Jersey.
>

I think you mean Grove Enterprises, P.O. Box 98, Brasstown, NC 28902
Telephone: 800-438-8155 for orders.

>
> Is this still the best place to purchase scanners?
>

I don't know about buying scanners from them, I got mine at Electronic
Equipment Bank in Vienna, VA.

--
Dave Hultberg KA3UZR   Mail: 1407 Concord Road, Mechanicsburg, PA 17055-1955
daveh@compnect.uucp   Home: 717-766-0051 CI$: 72437,3215
uunet!wa3wbu!compnect!daveh Work: 717-790-4507 Fidonet: 1:270/111.0
compnect!daveh@uunet.UU.NET FAX: 717-790-3689

From -2170752328860951843
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,84edfbd385185877,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 103802,84edfbd385185877,start
X-Google-Attributes: gid103802,public
X-Google-ArrivalTime: 1990-07-05 01:07:03 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!psuvax1!psuvm!ricevm1.bitnet!kossackb
From: KOSSACKB@RICEVM1.BITNET (Jordan Kossack)
Newsgroups: rec.ham-radio,rec.radio.noncomm
Subject: General Radiotelephone Operator License
Message-ID: <1710KOSSACKB@RICEVM1>
Date: 5 Jul 90 05:26:26 GMT
Organization: Rice University   Houston, TX
Lines: 18
Xref: gmdzi rec.ham-radio:12636 rec.radio.noncomm:111
Posted: Thu Jul 5 06:26:26 1990

I'm looking for information on the FCC General Radiotelephone
Operator License. Specifically, I would like to know the difference
between the Class A, B and C licences - what they're required for, what

is covered on the exams, etc.

I'm an EE student with an interest in RF engineering and I have a Restricted Radiotelephone license, but that simply requires that one is able to fill out the requisite form. Are there any jobs where one is still required to have a Class A [or Class B or C] license? Any information would be appreciated. Unless you think your response is of general interest, please send e-mail. TNX.

- Jordan, n5qvi

```
-------
Jordan Kossack  |  N5QVI   |               Student Staff
----------------+----------+  Office of Networking and Computing Systems
KOSSACKB@RICEVM1.RICE.EDU  |        Rice University  Houston Texas
```

From 4145554159220717313
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,afc27f4a37bd086
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 01:17:18 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Carrying NiCd packs on airplanes
Message-ID: <30500586@ux1.cso.uiuc.edu>
Date: 5 Jul 90 04:41:00 GMT
References: <30500583@ux1.cso.uiuc.edu>
Lines: 17
Nf-ID: #R:ux1.cso.uiuc.edu:30500583:ux1.cso.uiuc.edu:30500586:000:993
Nf-From: ux1.cso.uiuc.edu!phil   Jul 4 23:41:00 1990
Posted: Thu Jul 5 05:41:00 1990

The last airplane flight I went on I took 4 BP-8S packs with me. These are the 1200mah biggies. I packed them in the suitcase as usual. When it went through the X-ray machine, the attendant called the other one over. I heard one say to the other "they look like ball bearings to me". They asked me what "all those round things" were. I said I had several radio battery packs inside. They said "ok" and let me pass. Inside the secure area I opened up the suitcase and found that based on the orientation of the 4 BP-8S's AND the 2 BP-70's, they would be been X-raying down the axis of the cells of every pack. I have opened them and know the cell configurations.

BTW, Brian's idea of putting a battery pack in a zip-top bag is a good idea. I don't know why I didn't think of that; I use those bags for just about everything else.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 98311904263051054
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3c704f9e17649fb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 01:17:34 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Starting a car with NiCd's
Message-ID: <30500585@ux1.cso.uiuc.edu>
Date: 5 Jul 90 04:33:00 GMT
References: <30500582@ux1.cso.uiuc.edu>
Lines: 11
Nf-ID: #R:ux1.cso.uiuc.edu:30500582:ux1.cso.uiuc.edu:30500585:000:442
Nf-From: ux1.cso.uiuc.edu!phil   Jul 4 23:33:00 1990
Posted: Thu Jul 5 05:33:00 1990

> I have heard of a form of lithiums (thoicynional?? sp?), which can short
> circuit in the hundreds of amps. Four "C" cells can start a car.
> They are not available to the public for obvious reasons.

Imagine mashing these cells in a 10 ton press.

Don't try this at home, or at work.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 7044050002816864210
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,558ab8c3de92e96b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 01:27:31 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!psuvax1!rutgers!bellcore!bellcore-2!thumper!karn
From: karn@thumper..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Congrats to N4HY
Keywords: AMSAT
Message-ID: <1990Jul5.033115.2582@bellcore-2.bellcore.com>
Date: 5 Jul 90 03:31:15 GMT
References: <3496@radio.oakhill.UUCP>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 9
Posted: Thu Jul 5 04:31:15 1990

In article <3496@radio.oakhill.UUCP> charlie@oakhill.UUCP (Charlie Thompson)
writes:

>Congratulations to Bob McGwier for his Technical Excellence award
>which he received at Dayton. It's always good to see net people
>get their picture in QST.

Yeah, I almost didn't recognize him in that suit. I didn't even know
he owned one. :-)

Phil

From -8256406683295606157
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed2dd39a7a2df625
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 07:13:04 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!rutgers!psuvax1!eds1!wa3wbu!compnect!daveh
From: daveh@compnect.UUCP (Dave Hultberg)
Newsgroups: rec.ham-radio
Subject: Re: Ham Radio, CQ etc .....
Summary: Bring on the technical articles!
Message-ID: <688@compnect.UUCP>
Date: 5 Jul 90 14:13:04 GMT
References: <1990Jun28.183631.18323@cbnewsm.att.com> <1250181@hpnmdla.HP.COM> <1990Jul3.225719.16615@swlabs.uucp>
Organization: John Core at home, Harrisburg,PA
Lines: 25
Posted: Thu Jul 5 15:13:04 1990

In article <1990Jul3.225719.16615@swlabs.uucp>, jack@swlabs.uucp (Jack Bonn) writes:
>
> Now back to the business at hand. What would get us off top dead center
> regarding the proposal to publish technical articles here (including
> graphics, schematics, etc.). Would uuencoded GIF files do the job? (or
> would it be too large?) Is a DOS based reader readily available? Once
> the DOS based reader is available, the Amiga and X11 people will follow.
>   <stuff deleted>
> Or is the net happier with discussion of ordering pizza over the repeater's
> phone patch?
> --
Bring on the technical articles. I would much rather read about technical
topics than sea lawyers arguing about the legality of phonepatches, autopatches
other fine points of interpreting part 95. I would really be pleased if we
could get the technical community to post their articles and projects here. I
am sure that there would be some difficulties with formats for different
computers, but it could be worked out. If the authors are willing, I'd be
happy to have it! 73

--
Dave Hultberg KA3UZR   Mail: 1407 Concord Road, Mechanicsburg, PA 17055-1955
daveh@compnect.uucp   Home: 717-766-0051 CI$: 72437,3215
uunet!wa3wbu!compnect!daveh Work: 717-790-4507 Fidonet: 1:270/111.0

compnect!daveh@uunet.UU.NET FAX: 717-790-3689 Packet: KA3UZR @WB3EAH.PA

From -5726731802766129161
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2f7e5d9f25e521b3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 07:44:15 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!helios.ee.lbl.gov!pasteur!ucbvax!UNB.CA!LANG
From: LANG@UNB.CA
Newsgroups: rec.ham-radio
Subject: Re: Scanner Antenna / Discone / Technical questions
Message-ID: <ID1717.D900705.T095643.LANG@UNB.CA>
Date: 5 Jul 90 12:56:42 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Thu Jul 5 13:56:42 1990
X-Local-Date: 5 Jul 90 05:56:42 PDT

Coincidentally I just took out of our library the 1946 (!) volume of the Proceedings of the Institute of Radio Engineers. The February issue has an article entitled "Three New Antenna Types and Their Applications" by Armig G. Kandoian (pp. 70W - 75W). One of these antennas is the Discone.

```
================================================================================
 Richard B. Langley                            BITnet: LANG@UNB.CA or SE@UNB.CA
 Geodetic Research Laboratory                  Phone:  (506) 453-5142
 Dept. of Surveying Engineering                Telex:  014-46202
 University of New Brunswick                   FAX:    (506) 453-4943
 Fredericton, N.B., Canada  E3B 5A3
================================================================================
```

From -1739716184626510576
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31a77bf2d31630b2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 08:54:33 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!bellcore!casux4!jdn
From: jdn@casux4.uucp (jonathan nagy)
Newsgroups: rec.ham-radio
Subject: Re: Conversation with K2EEK, Editor CQ Magazine (Long)
Message-ID: <24981@bellcore.bellcore.com>
Date: 5 Jul 90 14:46:40 GMT
References: <1990Jul4.041831.24933@kodak.kodak.com>
Sender: news@bellcore.bellcore.com
Reply-To: jdn@casux4.UUCP (jonathan nagy)
Organization: Bell Communications Research, Inc.
Lines: 41

Posted: Thu Jul 5 15:46:40 1990

In article <1990Jul4.041831.24933@kodak.kodak.com> ornitz@kodak.kodak.com (Barry Ornitz) writes:

> The magazine still continues to be directed to the contester and appliance operator.
>
> 73 de Barry, WA4VZQ

Most of the postings in this group seem to come from the technically inclined- I don't recognize many DXers or contest callsigns- so I want to point out something which may be of interest to you.
I, too, lament the loss of Ham Radio as do many other Dxers and contesters I know. Since CQ is sponsor of the greatest DX Contest on earth, it has become the focal point of Contest scores and news. So all the contesters feel required to subscribe for the contest news and scores.

But you would be surpised at the number of contesters I know, (even members of the CQ contest committee) who consider the magazine completely worthless, outside of contest results. (Of course, if you have no interest in contests, then it IS completely worthless!) I think that many contesters and DXers would welcome a more technical editorial policy.

Market research is part of K2EEKs job, and I don't want to second guess him on this point. But perhaps he is underestimating his readership?   After all, the contest community is one of the first to embrace new technology if it leads to higher scores. Witness, for example, the enthusiasm with which contesters adopted computer technology to radio(K1EA, K8CC, etc.).

On the other hand, I am reminded of the quotation:
"No one ever lost money underestimating the intelligence of the American Public." Could this also be true for the Amateur Radio public at large and CQ's readership?

73, Jon NK2D

Jonathan Nagy
jdn@navaho.cc.bellcore.com
(201) 699-4445

From 3133487664572924210
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed2dd39a7a2df625
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 10:08:03 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!trub
From: perley@trub (Donald P Perley)

Newsgroups: rec.ham-radio
Subject: Re: distributing schematics
Message-ID: <9351@crdgw1.crd.ge.com>
Date: 5 Jul 90 14:50:39 GMT
References: <1990Jun30.150812.105@swlabs.uucp>
<1990Jul2.171023.14656@cbnewsm.att.com> <1990Jul3.225719.16615@swlabs.uucp>
<25710@usc.edu>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@trub (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 26
Posted: Thu Jul 5 15:50:39 1990
In-reply-to: kjh@pollux.usc.edu (Kenneth J. Hendrickson)

In article <25710@usc.edu>, kjh@pollux (Kenneth J. Hendrickson) writes:
>I don't know why I didn't think of this last week when the question was
>raised, but at least I thought of it now ...
>
>Use SPICE format to distribute schematics!

>I think the advantages far outweigh the disadvantages. Any other
>comments?

The disadvantage is that it is just a netlist. A well drawn schematic gives you a lot of semantic clues about how a circuit works that just aren't there in a netlist (though you can put comments in).

If this subject has been hashed through before, someone must have brought up EDIF (Electronic Design Interchange Format). It allows you to include graphic schematic information, netlist, physical layout, behaviour, etc. If someone has already designed a board for a circuit, you can include that as well as the netlist.

Disadvantages to EDIF: Reading it directly is probably about as intuitive as reading postscript. There isn't a whole lot (any?) public domain software out there to translate EDIF into more useful forms, but we could change that if we wanted to use it.

-don perley, ke2tp
perley@trub.crd.ge.com

From -6018685355684998590
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56a11428f80a84ff,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 10:25:47 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
sdd.hp.com!ucsd!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: Kenwood Ads 2 - Try Harder!
Message-ID: <9007051610.AA00490@ti.com>

Date: 5 Jul 90 15:06:57 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 22
Posted: Thu Jul 5 16:06:57 1990

Hollywood and our friend Bruce Willis have managed to get the Kenwood name up on the Big Screen again. (really, the producers and studio, I doubt if Mr. Willis knows or cares about the significance... they're just "movie props!")

The HT's were TH45's and you could read "440 MHz" just as plain. I dunno, I should have asked the guy sitting in the row in front of me if he noticed. I sure did, but I would tend to, the average moviegoer probably won't.

They supposedly had "scramblers" and since our hero didn't have the code to key in, he couldn't use the radios like he did in the first film.

They also showed a larger Kenwood rig. Sorry, I couldn't see the model and don't know the product line well enough to sasy what it was; it was on screen a few times, but for seconds at a time. They even had a scope sitting on top displaying a nice sine wave...

I wonder what agreement Kenwood has with 20th Century Fox??

--73
  Bob WA8YCD
  RLWEST@FLOPN2.CSC.TI.COM

From -2544001600869757862
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a616957028b0eb7,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,7a616957028b0eb7,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-07-05 10:28:52 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!haven!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: DOVE turn on
Keywords: DOVE MICROSAT PACKET VOICE
Message-ID: <738@idacrd.UUCP>
Date: 5 Jul 90 17:28:52 GMT
Followup-To: rec.ham-radio
Organization: idacrd, princeton, nj
Lines: 54
Xref: gmdzi rec.ham-radio:12686 rec.ham-radio.packet:2489
Posted: Thu Jul 5 18:28:52 1990

Howdy:

I finally got together enough modified loader code so that we can bypass this problem with the DOVE S band modulator. Hugh Pett, VE3FLL, original author of the BOOTLOADER running on all four microsats, and I worked together for several days getting together a subset of the loader on board, and a modified version of the ground station bootloader exerciser.

The problem with DOVE has been caused by a failure (we believe of a silver mica cap) in the modulator for the S band transmitter. This failure caused the data modulation index to be VERY small. The total phase shift was much less than 180 degrees for a data 1. It was so small that no existing standard PSK modem (TAPR, PACCOMM, or G3RUH) could demodulate it. I wrote a DSP based demodulator that worked fine by moving around the place where the data was sliced. The problem with this approach is that I have a pretty good S band receive setup but not a great one. I couldn't give up the DSP modem as I was doing code development on it for AEA. I finally decided that the one and only weekend I could work on this was this coming weekend and I prepared to go to Boulder to the home of K0RZ. Bill has an outstanding S band setup and is a satellite afficionado. This put me so far into the doghouse at home that I became frightened into the solution that I should have come up with three months ago.

If we could just get a few hundred bytes into the spacecraft by ASSUMING when we heard any response it was an ack, then we could put in a loader that didn't have the faults of the one we flew. I made a mentat computation (in other words I hoped ;-) that if I heard a response from the spacecraft when I sent these ten packets the probability that the response was a NAK instead of an ACK would be low. Furthermore, since this code did NOTHING to the modules in the spacecraft around the transmitter, then the likelihood of doing something dumb if one of the packets was a NAK would be low. The watchdog would just not be banged and it would reset back to the ROM or I would have to resend the reset signal. The only thing that could really go wrong is by some freak accident the 2 meter transmitter got turned on. I really did view this probability to be exceedingly small. So I risked sending code in the blind. The loader came up and from all indications functioned perfectly from the first try. Last evening, K0RZ hooked up a phone patch to his rig and I transmitted load commands to DOVE on two meters. I could easily hear the ACK (remember NAKS are no longer transmitted) and hit the `continue on with the next packet' key now built into the ground station loader code. I finished the operating system (kernel) in one half of a pass. This morning, I found the main problem with the S band system at my house (a lousy job on an N connector in the line between the S band antenna and the S band preamp). After I fixed that up, I was able to load half of the remaining code in two passes. Unless something is really wrong, I will be turning DOVE's 2 meter transmitter (145.825) on by this weekend. All appears to proceed normally.

Bob N4HY

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From -2748241881098222137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,558ab8c3de92e96b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 10:55:07 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!haven!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: Congrats to N4HY
Message-ID: <739@idacrd.UUCP>
Date: 5 Jul 90 17:55:07 GMT
References: <1990Jul5.033115.2582@bellcore-2.bellcore.com>
Organization: idacrd, princeton, nj
Lines: 23
Posted: Thu Jul 5 18:55:07 1990

From article <1990Jul5.033115.2582@bellcore-2.bellcore.com>, by
karn@thumper..bellcore.com (Phil R. Karn):
> In article <3496@radio.oakhill.UUCP> charlie@oakhill.UUCP (Charlie Thompson)
writes:
>>Congratulations to Bob McGwier for his Technical Excellence award
>>which he received at Dayton. It's always good to see net people
>>get their picture in QST.
>
> Yeah, I almost didn't recognize him in that suit. I didn't even know
> he owned one. :-)
>
> Phil

You and my wife both. She (N2HPE) had only one comment to make. "Your
tie was on crooked."

Bob

--
```
-----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
-----------------------------------------------------------------------------
```

From -7748906523347991648
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,801e2c2ce4469eb2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 11:22:57 PST
Path: gmdzi!unido!mcsun!uunet!seismo!ukma!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: Hams in the Public Activity World (was RE: Usenet News Feed on Packet?)

Message-ID: <9007051935.AA04978@ti.com>
Date: 5 Jul 90 18:22:57 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 53
Posted: Thu Jul 5 19:22:57 1990

From: FLOPN2::RLWEST   "Bob West, WA8YCD" 5-JUL-1990 13:22:01.59
To: TILDE::"skipsand@crash.cts.com"
CC: RLWEST
Subj: Re: Usenet News Feed on Packet?

> From: TILDE::"skipsand@crash.cts.com" "Skip Sanders" 5-JUL-1990 12:42:05.64
> Subj: Re: Usenet News Feed on Packet?
>
> ...stuff deleted...
>
> will ALWAYS interpret the rules in the most restrictive way where business
> or non-ham access to ham transmitters is concerned. Hams can't even work
> with the local PD on things like "Halloween Watch Patrols" according to the
> FCC because it's contributing to the "routine business" of the Police Dept.

Let's take a "sideways" look at that, Skip.

I am sort of get the impression that ANY amateur activity involving some public function, walkathons, whatever, COULD BE interpreted in some way by SOMEONE as contributing to the "routine business" of SOME party of agency, unless an actual emergency precluding "normal" communications occurs. Especially with cellular phones being more and more common, that narrows it down even more.

I've read through Part 97, plus the ARRL comments in the "FCC Rule Book," and I sort of understand the logic (?) behind the "routine business" argument, but have you heard of a CASE OF SPECIFIC PROHIBITION in this type of activity?

I'd think that if it were planned just right, we could come up with a ham activity for almost any occasion. One that did not interfere with, and could, in fact, aid the public interest... (call it a training/preparedness drill!) ...no matter what the public activity is!

It would, of course, be to our (hams') best interest to widely publicize such a training exercise in the community (good public relations, don'tcha know!) and to keep the local authorities advised of the activity... and if the hams happened across a lost kid during their Halloween Nite Transmitter Hunt, well, it'd only be public spirited citizenship to communicate that to the police...

Creativity, gang. Non-linear thinking, sometimes...

What say?

73,
 === * * * ===   === * * * ===   === * * * ===   === * * * ===
 73, de   !   "In order to accomplish the

```
 Bob West WA8YCD                ! 	impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM       ! 	the absurd!"
                                ! 	   -- Miguel de Animo y Jugo
 P. O. Box  863069              !
 Plano Texas 75086              !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

From -3300375743388982365
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 11:38:15 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!usc!zaphod.mps.ohio-state.edu!lavaca.uh.edu!uhnix1!sugar!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <SA#&_-@splut.conmicro.com>
Date: 5 Jul 90 12:35:57 GMT
References: <30500577@ux1.cso.uiuc.edu> <:6=&.Y-@splut.conmicro.com> <825@ke4zv.UUCP> <14954@ucsd.Edu>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 31
Posted: Thu Jul 5 13:35:57 1990

In article <14954@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>People stop kerchunking the repeater when
>   a) they own radios they trust never to break
>   b) they use a repeater they trust never to break
>   c) you kill them
>   d) the repeater drops off the air so fast they can't hear the kerchunk
>Which do YOU think is the most achievable?

D, obviously. Repeaters and user radios may not break, but they will NEVER make the repeater 100% of the time. The problem with D is that the users go away, too, since the repeater is unusable.

>(Recall that if you have a real radio, IT won't make any noise when the
>signal comes and goes either, so if the repeater also lacks pinball machine
>noises, it could be kerchunked all day long and nobody'd care.)

Obviously, your definition of "real radio" only includes anything with a MICOR squelch circuit. By that definition, only Motorola makes "real radios", and not all of them; my IC32AT definitely doesn't qualify, but my custom-built Flitefone III full-duplex mobile does, since I built a MICOR squelch for it. Of course, it's easy to tell with a full-duplex radio whether or not you're making the repeater, but the only in-band full-duplex portable radio I've seen is the (surprise!) Motorola APCOR cardiac telemetry radio - at well over $1K on the used market, and it's a luggable.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
"It's a hardware bug!" "It's a      +--------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_
```

From -2712578220309916945
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f6f2fe59fc4981f6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 11:43:21 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!ucsd!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: RE: Carrying NiCd Battery packs on airplanes.
Message-ID: <9007051936.AA05105@ti.com>
Date: 5 Jul 90 18:43:21 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 22
Posted: Thu Jul 5 19:43:21 1990

From: TILDE::"phil@ux1.cso.uiuc.edu" 5-JUL-1990 12:54:07.88
To: info-hams-incoming
CC:
Subj: Re: Carrying NiCd packs on airplanes

The last airplane flight I went on I took 4 BP-8S packs with me. These are the 1200mah biggies. I packed them in the suitcase as usual. When it went through the X-ray machine, the attendant called the other one over. I heard one say to the other "they look like ball bearings to me". They asked me what "all those round things" were. I said I had several radio battery packs inside. They said "ok" and let me pass. Inside the secure area I opened up the suitcase and found that based on the orientation of the 4 BP-8S's AND the 2 BP-70's, they would be been X-raying down the axis of the cells of every pack. I have opened them and know the cell configurations.

BTW, Brian's idea of putting a battery pack in a zip-top bag is a good idea. I don't know why I didn't think of that; I use those bags for just about everything else.

```
--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.
```

From -605218434757892633
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f6f2fe59fc4981f6
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-07-05 11:47:33 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp.physics.uiowa.edu!maverick.ksu.ksu.edu!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: RE: Carrying NiCd Battery packs on airplanes.
Message-ID: <9007052021.AA05945@ti.com>
Date: 5 Jul 90 18:47:33 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 29
Posted: Thu Jul 5 19:47:33 1990

Rats! That's twice recently I've done a FORWARD instead of a FORWARD/EDIT...
sorry about the extraneous mail, gang...

> Subj: Re: Carrying NiCd packs on airplanes
>
> ...
>
> BTW, Brian's idea of putting a battery pack in a zip-top bag is a good idea.
> I don't know why I didn't think of that; I use those bags for just about
> everything else.

I just wrap my batteries up inside tube socks and the Drop-in charger,
TNC, and HT all inside jockey shorts. :-)

If they ever ask to see it, I wonder who'll be more embarrassed, me or the
lady at the security gate!! (Aw, she's probably seen *-everything-* by now!)

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                           !   "In order to accomplish the
 Bob West WA8YCD                  !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM         !    the absurd!"
                                  !       -- Miguel de Animo y Jugo
 P. O. Box  863069                !
 Plano Texas 75086                !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

From 3669744574044195282
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f88bdc5470fdaa3e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 12:05:48 PST
Path: gmdzi!unido!mcsun!uunet!unisoft!washer
From: washer@unisoft.UUCP (Jim Washer)
Newsgroups: rec.ham-radio
Subject: kenwood 440 mic shock

Message-ID: <3062@unisoft.UUCP>
Date: 5 Jul 90 17:40:29 GMT
Lines: 40
Posted: Thu Jul 5 18:40:29 1990

Recently, while operating my kenwood ts440s mobile, I received
an electrical shock from the metal plate on the back of the stock
microphone.
I was opertating 10meter side band. I had been doing so for some
time with no problem, however when I pulled into my driveway (up
close to the house which may have effected the SWR) I began
to 'feel' a burning sensation on my hand. This occurred only
while transmiting.

Opening up the mike reveals that the metal plate is connect to
one of the mic cable pins. see diagram

```
Looking at the microphone cable (not the radio jack)
                v
              o   o
this pin--> o   0   o
              o   o
                o
```

Now, depending on how you interpret the drawing in the 440 manual,
this is either STBY(pin 2) or NC(pin 6).

Now the questions.
a) was this 12v dc coming thru the mic wires?
b) was this rf energy ?
c) what was this?
d) WHY IS THIS PLATE CONNECTED TO ANYTHING TO BEGINE WITH.

Well, Any comments or answers would be appreciated.

Tnx
 jim washer kk6gq
 (415) 420-6410 x137 (w)
 (415) 887-9613 (h)
 washer@unisoft.com   uunet!unisoft!washer

From -8121241319140432671
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 12:26:45 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!uwm.edu!zaphod.mps.ohio-state.edu!

unix.cis.pitt.edu!dsinc!sunybcs!uhura.cc.rochester.edu!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <38492@cci632.UUCP>
Date: 5 Jul 90 14:15:53 GMT
References: <:6=&.Y-@splut.conmicro.com> <1990Jul4.043701.3457@csense.uucp>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott, WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 26
Posted: Thu Jul 5 15:15:53 1990

In article <1990Jul4.043701.3457@csense.uucp> bote@csense.uucp (John Boteler) writes:
>
>I'd like to hear more about phil's intelligent 'carrier level' sensing
>system which decides how strong a signal is and takes appropriate
>action, whether that is keying a repeater, preventing it from being
>keyed, or whatever have you.

This sort of stuff is really neat. Here in Rochester we have a repeater that uses (I believe) a General Electric voting selector. The unit uses an internal noise source to compute the signal-to-noise ratio of the incoming signal, and takes that one. This signal may not necessarily be the one with the highest S-reading (or so I am told). The selector also employs circuitry to provide a switchover "threshhold", i.e. receiver 1 will stay in effect until receiver 2 is markedly improved, so that if you are smack in the middle of the two it won't clack back-and-forth.

The part that amazes me is that it is a completely analog device.   (Yes, I am stuck in the digital world, and I would have guessed DSP only).

Does anybody have any (technical) insight on how these things work?

--
Christopher E. Piggott, WZ2B   (ex-N2JGW)
Computer Consoles, Inc. (an STC company)   Rochester, NY
cs.rochester.edu!cci632!ccird7!cep or uunet!ccicpg!cci632!ccird7!cep

---

From 4856029938978386897
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8862b5546b85e53a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 12:27:07 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!mailrus!iuvax!noose.ecn.purdue.edu!rvl4.ecn.purdue.edu!cromwell
From: cromwell@rvl4.ecn.purdue.edu (Bob Cromwell)
Newsgroups: rec.ham-radio
Subject: Icom IC-2SAT enhancements, part 2
Message-ID: <1990Jul5.184611.20707@ecn.purdue.edu>
Date: 5 Jul 90 18:46:11 GMT

Sender: news@ecn.purdue.edu (USENET news)
Organization: Purdue University Engineering Computer Network
Lines: 161
Posted: Thu Jul 5 19:46:11 1990

A friend of mine in Germany mailed me a *very* intriguing photocopy of a letter he received from someone who works for Icom-Europe. It's an internal ICOM memo with details on how to do all sorts of nifty tricks with the IC-2SE (which may nicely translate to IC-2SAT tricks).

I have attempted to exactly duplicate the memo below, mangled spelling, unclear passages, and all. I don't have an IC-2SAT service manual yet, and so I'm not qualified to say if this is all really applicable or not. And, the German at the closing is a mystery. I typed "fu:r" to indicate "f<u-with-umlaut>r". Anyone with more details, please let us know!

Bob Cromwell   KC9RG
cromwell@ecn.purdue.edu

ps: For the people asking "what was your original diode matrix, that appears at the end. There was some thought that the matrix programming changed after the first few (hundred? thousand?) models. This is from the schematic that came with mine, with serial number in the 9500's.

pps: Before you ask "where's part 1", that was the article titled "Icom IC-2SAT", where I gave results of signal generator testing....

>>>
[page 1]

ICOM

ICOM (Europe) GmbH
Himmelgeister Strasse 100
4000 Du:sseldorf 1
F. R. Germany
Phone: 0211 / 34 60 47
Fax: 0211 / 33 36 39
Telex: 8588082 ICOM D

To: Icom Dealer
Dusseldorf, 14.4.89

ICOM SERVICE INFORMATION IC-2SE

Push Key + switch on	Requested Mode	Remark
LIGHT + MON	CPU RESET	Clear all Memories
LIGHT + FUNC	FULL DISPLAY	Display Func Test
LIGHT + V/M	SIMPLE MODE	Info on Equipment
LIGHT + C (SCAN)	MULTI-FUNCTION MODE	Details in Handb.
LIGHT + FUNC + V/M	RECEIVER MODE (All Band)	All Band - no Tx

```
----------------------------------------------------------------------------
1.  Start SIMPLE MODE   TRANSCEIVER MODE/      Tx only HAM-Band/
2.  Light + FUNC + C    multi-function mode         Rx see list below
----------------------------------------------------------------------------
Extent Transmitter Install Diode AD (D6)       Tx: 139-163 MHz (FM)
============================================================================

Manual AM/FM Mode Change all Bands:            Rx Band Ranges:
1.  Change to RECEIVER MODE (not receive mode)      75 - 106 MHz (FM)
2.  FUNC + PTT (working in RECEIVER MODE)      108 - 130 MHz (AM)
                                 138 - 169 MHz (FM)
Note:  (+)                           174 - 192 MHz (FM)
1.  keep pushing each key at same time,             204 - 243 MHz (FM)
2.  switch on equipment,                  250 - 291 MHz (FM)
3.  hold (about 4sec.) until "SET" appear,          310 - 370 MHz (FM)
4.  release keys and requested mode appear;

Easily tunning step change (5 - 50 KHz):
1.  push and hold FUNC key for 2sec.
2.  rotate TUNING CONTROL.
3.  Push FUNC to return to previous mode.

Frequency ranges are appoximately and not garantied.  Receiver
sensitivity garantied only in HAM-Band (144 - 146 MHz).

In RECEIVER Mode equipment running exclusively as a Receiver, cannot
transmit at all.

Achtung: nur fu:r den Fachha:ndler zum Zwecke des Service bestimmt.
      Es mu:ssen die Bestimmungen des Fernmelde-Anlagengesetz
      heachtet werden.

>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
[page 2]

         IC-2SA/E  Frequency range expantion

 * Remove any diode position on D6
 * Install diode DA (code No. 1750000160) position D6

 After this modification frequency lock range will be expand typicaly :

    RX (MHz)  :  108 - 140 (AM) , 138-169 (FM) , 310-370 (FM) ,
    TX (MHz)  :  139 - 163 (FM) ,

    ------------------------------------------------
    |                           |
    |                           |
    |                           |
    |                           |
    |                      R R  |
    |                      3 3  |
    |                      9 8  |
     |                         o |
     |                  R R R ### <---     |
     |                  4 4 4 ###|
     |                  1 2 3 o o R   |
     |                         6 |
     |           ___________            1  |
     |          /        \            |
     |         /          \      |
     |        |    SP1  |        |
     |        |         |        |
     |        |         |        |
     |         \          /      |
     |          \___________/              |
     |                           |
     -------------------------------------------------
```

>>
[explanation of page 2]

Yeah, the above is crude, just meant to give the relative locations of the mysterious diode, SP1, R38, R39, R41, R42, R43, and R61. The 3-terminal box with an arrow drawn to it (the arrow is in the original image) looks like the below. A diode is connected from the lower left tab to the upper tab.

```
          ___
          | |
     --------------------
     |    /      |
     |     ---   |
     |     /_\   |
     |  ____|    |
     | /         |
     | |         |
     --------------------
      | |     | |
      ---     ---
```

>>
[diode matrix programming]

To simplify/fool-proof this, if the schematic has:

```
          (X) --->|--- (Y)
```

I'll say "from X to Y". From the "IC-2SAT IC-2SET SCHEMATIC DIAGRAM":

```
     Japan Version      D6:  DA115    from KEYI2 to KEYS2
     Europe Version          D5:  DA115    from KEYI0 to KEYS3
                   D6:  DA115    from KEYI2 to KEYS2
     Italy Version      D5:  DAN202U  from KEYI1 to KEYS3 and
                             from KEYI0 to KEYS3
                   D6:  DA114    from KEYI0 to KEYS2
     U.S.A. Version          D4:  DA115    from KEYI2 to KEYS3
                   D9:  ISS254   from KEYI1 to KEYS2
     Australia Version  D5:  DA114    from KEYI1 to KEYS3
```

```
                  D6:  DA115    from KEYI2 to KEYS2
     Asia Version       D4:  DA115    from KEYI2 to KEYS3
```

Now, can anyone use this to figure out the Icom-Europe memo???

Bob KC9RG
cromwell@ecn.purdue.edu

From -7619317651528471710
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c764d947aee75002,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 103802,c764d947aee75002,start
X-Google-Attributes: gid103802,public
X-Google-ArrivalTime: 1990-07-05 13:08:31 PST
Path: gmdzi!unido!mcsun!uunet!bartek1!tapa!larry
From: larry@tapa.uucp (Larry Pajakowski)
Newsgroups: rec.radio.noncomm,rec.ham-radio
Subject: Renewing operators licenses
Message-ID: <1990Jul5.200831.28596@tapa.uucp>
Date: 5 Jul 90 20:08:31 GMT
Organization: Pata Consultants
Lines: 9
Xref: gmdzi rec.radio.noncomm:113 rec.ham-radio:12695
Posted: Thu Jul 5 21:08:31 1990

Since I've been out of broadcasting for some time perhaps someone can be of help. My general radiotelephone license is in need of renewing. What are the current procedures for doing this. Since I once held a First Phone do I have to do anything to keep my transmitter prividges?

Your help is appreciated.

Larry Pajakowski
larry@tapa.uucp ...!ddsw1!tapa!larry

From 4921649380556979670
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,83f2c229e39b9606,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 15:03:54 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!mips!twg.com!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: The World's Largest QSL Collection?
Message-ID: <7488@gollum.twg.com>
Date: 5 Jul 90 17:32:48 GMT
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA

Lines: 39
Posted: Thu Jul 5 18:32:48 1990

Yesterday (July 4) I had the privilege of seeing what is reputed to be the world's largest QSL card collection, and this was so astounding it just begs to be passed along. For those who are "too busy" to QSL or who think that replies via the buro are beneath them (Jim, are you listening?), this collection should be cause for pause.

Lloyd and Iris Colvin held a July 4 picnic for the Northern California DX Club and threw their card collection open to the guests. Let me try to describe. There are two rooms used to house the collection, and the floor has had to be reinforced from below to hold it. In these two rooms, there are a total of 24 filing cabinets stuffed full of QSL cards. Each cabinet has 12 rows of drawers with 2 side-by-side columns of cards each. The stacks were an average of about 2 feet deep. My estimation is thus 24 x 12 x 2 x 2 = 1152 feet of QSL cards. I believe that's a little more than the height of the Empire State Building! The sheer volume wouldn't be so much, but the organization of these is what is incredible. They are sorted alphabetically and meticulously arranged by call sign. And it is not only the amateur QSL's so arranged--every SWL card they have ever received is also filed away in order. Naturally, I went to see if they had all of mine from their recent Niger-Burkina Faso-Bahrain-Algeria-Australia-New Zealand-French Polynesia expedition. Every one of them was in there, filed in precise sequence by date of contact. While we were going through this stack, one fellow came upon a card his GRANDFATHER had sent the Colvins! Still looking for an A6 card? Lloyd and Iris have a 4" stack of them. And on and on it goes.

If you've ever read the front of one of their YASME cards, let me vouch for the authenticity of what is claimed on them. They have operated from 140 different countries, and have now qualified for DXCC from over 100 of them. Lloyd got his ticket back when he was 12, and he's been hard at it ever since. He's now 75. Iris didn't get her license 'till 1945, though. Every award you ever heard of is hanging on the wall--including at least a dozen top score trophies from CQWW and the ARRL DX contest. They only admit to "about" 600,000 cards, but I can't help but believe 1152 feet of QSL cards is more than 600 K. Every one of them, of course, has been answered. Promptly. One person--W6NLG--even told me Lloyd had once bugged him for a card for a contact when he hadn't sent one in! Seeing all of this, I suspect I'll think twice before grumbling about the next stack of SWL cards that comes in with my next buro batch.

de AA6KX

From -6546372947957897817
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,486f814fdbc020fe
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 15:12:03 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!psuvax1!husc6!bunny!dhp1
From: dhp1@GTE.COM (David Pascoe)
Newsgroups: rec.ham-radio

Subject: Re: FM in VHF Contests
Message-ID: <9405@bunny.GTE.COM>
Date: 5 Jul 90 21:07:27 GMT
References: <9006291408.AA19647@ucsd.edu> <38479@cci632.UUCP>
Reply-To: dhp1@bunny.gte.com.UUCP (David Pascoe)
Organization: GTE Laboratories, Waltham, MA
Lines: 52
Posted: Thu Jul 5 22:07:27 1990

In article <38479@cci632.UUCP> cb@cci632.UUCP (Just another hired gun (n2hkd)) writes:

>After reading some of the comments about fm vhf contesting, I was
>compelled to say a few words. FM only is not dead here in WNY,
>Fn02/03/12/13. The local vhf/uhf group has resurrected this
>mode of operation. As a club they have provide incentive for
>contacts by providing competion between groups and individuals
>for FM only competition.

My VHF contest experience has been in four geographic areas:

- Philadelphia/southern NJ
- Pocono mountain region of Pennsylvania
- Maryland/DC
- Boston/Worcester MA.

Virtually all of my operating has been with medium to large multioperator groups. FM, while not the predominant mode used to make contacts, still produces quite a number of contacts, especially on 144 and 220 MHz. I have found that the closer you are to a metropolitan area the more success you will have. This makes sense, of course. The more people there are close to you, the higher your probability of getting *someone's* attention on one of the simplex channels.

Some of the highest 2m FM totals I have seen have been from operations near Boston (Mt. Wachusett, with the K1TR group) and one between Philadelphia and New York (Camelback Mt. in the Pocono region, with the K3MTK group). The location near Boston is on a mountain (approx. 2200' AMSL) with a clear shot into Boston and in most other directions except west. The Camelback Mt. location has an excellent shot towards Philadelphia AND New York, and for that reason is ideally suited to produce a large number of FM contacts.

The best strategy for getting FM contacts seems to be hitting the main simplex channels every fifteen minutes or so for just a few minutes, then going back to SSB/CW.

>Anyway to make a long story short, those fm contacts do help the club,
>at least from looking at the January results.

FM contacts help all entrants' scores, regardless of where they are located. This is true in all VHF contests, but I have to agree that it is most lucrative in the January event. Just check out all those FM only scores in the Western NY Section! Amazing!

--
Dave Pascoe KM3T/1 | Internet: pascoe@edcd.gte.com OR dhp1@gte.com
617-455-5704 | UUCP: ....!gte.com!edcd.dnet!pascoe

From 5241346673932490774
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,654a555df619ed85
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 18:36:05 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!samsung!crackers!cpoint!frog!john
From: john@frog.UUCP (John Woods)
Newsgroups: rec.ham-radio
Subject: Re: Preliminary Agreement on 7 MHz for
Message-ID: <16288@frog.UUCP>
Date: 5 Jul 90 20:25:00 GMT
References: <18826@well.sf.ca.us> <30500581@ux1.cso.uiuc.edu>
Organization: Misanthropes-R-Us
Lines: 10
Posted: Thu Jul 5 21:25:00 1990

In article <30500581@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
> Now the tough parts. Do we just shift the band structure down 50 khz?
> What about extra class CW ops who's rigs won't go below 7000?

What's the point of being an Extra if you can't modify your rig?

(49/100 :-) on that)
--
John Woods, Charles River Data Systems, Framingham MA, (508) 626-1101
...!decvax!frog!john, john@frog.UUCP, ...!mit-eddie!jfw, jfw@eddie.mit.edu

From 6329258662686031188
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9d51c881c2e1cc04,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9d51c881c2e1cc04,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-05 18:39:03 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!apple!portal!cup.portal.com!ckp
From: ckp@cup.portal.com (Christine K Paustian)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re. VOA Feeder on 20125 kHz USB
Message-ID: <31451@cup.portal.com>
Date: 5 Jul 90 22:28:22 GMT

Distribution: usa,world
Organization: The Portal System (TM)
Lines: 45
Xref: gmdzi rec.ham-radio:12651 rec.radio.shortwave:1558
Posted: Thu Jul 5 23:28:22 1990

To add to the discussion about the VOA Feeder on 20125 kHz, the following appears in the July, 1990 edition of The Umbra et Lux Newsletter, published by DX/SWL Press. It is reprinted here with the permission of the publisher, Harry L. Helms:

"The June, 1990 issue of Clandestine Calling published by Harald Kuhl contains news of an unusual signal on 20125 kHz USB being heard in Europe. This station seems to be operating on a more or less continuous basis with music and scrambled voice traffic. It appears that the purpose of the music is to hold the channel for the scrambled voice transmissions.

"A breakthrough in identifying this station took place on May 24 at 1505, when Sweden's Claes Olsson reported hearing the music stop and the following voice traffic in the clear:

> "Greenville calling. Greenville calling Liberia. Do you copy us? (Pause) Gary, Gary Wise. Hello. Hello. Gary Wise. Libera. Liberia. Greenville calling. Over. (Pause, with people heard speaking in the background). Hello Liberia. Liberia, this is Greenville calling, this is Greenville calling. Do you read us? Over. (Pause) Hello Liberia, hello Liberia, this is Greenville calling. Do you read us? Over."

"After this the music started again.

"It so happens that 20125 kHz is listed as a VOA feeder station at Greenville, NC. But what's with the scrambled voice traffic? And is it just a coincidence that the VOA Greenville feeder on 7651 nicely coincides with KKN44 on 7652 kHz? "

The Umbra et Lux Newsletter is available from DX/SWL Press, 10606-8 Camino Ruiz, #174, San Diego, CA 92126. Published monthly $18/yr, $2.00/sample.

```
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%   Christine K. Paustian         %   ckp@cup.portal.com             %
%   Los Numeros On-Line          %%%  sun!portal!cup.portal.com!ckp  %
%   PO Box 149                   %%%  1:272/39  FidoNet              %
%   Briarcliff Manor, NY 10510    %   Where Radio Is Fun Again       %
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

From 5420121174833942544
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,afc27f4a37bd086
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 18:39:45 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!know!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!psuvax1!ukma!andreap
From: andreap@ms.uky.edu (Andrea Peach)
Newsgroups: rec.ham-radio
Subject: Re: Carrying NiCd packs on airplanes
Message-ID: <andreap.647222275@s.ms.uky.edu>
Date: 5 Jul 90 23:57:55 GMT
References: <30500583@ux1.cso.uiuc.edu> <30500586@ux1.cso.uiuc.edu>
Organization: U of Ky, Math. Sciences, Lexington KY
Lines: 29
Posted: Fri Jul 6 00:57:55 1990

phil@ux1.cso.uiuc.edu writes:

>The last airplane flight I went on I took 4 BP-8S packs with me. These are
>the 1200mah biggies. I packed them in the suitcase as usual. When it went
>through the X-ray machine, the attendant called the other one over. I heard
>one say to the other "they look like ball bearings to me". They asked me
>what "all those round things" were. I said I had several radio battery packs
>inside. They said "ok" and let me pass. Inside the secure area I opened up
>the suitcase and found that based on the orientation of the 4 BP-8S's AND
>the 2 BP-70's, they would be been X-raying down the axis of the cells of
>every pack. I have opened them and know the cell configurations.

>BTW, Brian's idea of putting a battery pack in a zip-top bag is a good idea.
>I don't know why I didn't think of that; I use those bags for just about
>everything else.

>--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
><phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

I was stopped by an attendant while leaving Gatwick Airport in London. She
thought the battery pack looked like explosives! They wanted me to open the
sealed pack, and after much conversation finally agreed to let me pass. They
can cause problems.

P.S. The battery pack was attached to an HT in my carry-on bag.

Harold Peach, N4FLZ
hgpeach@ca.uky.edu

From 334797137075537979
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1fe885019cd4bebc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 18:59:09 PST

Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!zaphod.mps.ohio-state.edu!samsung!crackers!cpoint!frog!john
From: john@frog.UUCP (John Woods)
Newsgroups: rec.ham-radio
Subject: Re: Some CW procedure questions
Message-ID: <16289@frog.UUCP>
Date: 5 Jul 90 20:52:00 GMT
References: <22480003@hpcuha.HP.COM>
Organization: Misanthropes-R-Us
Lines: 100
Posted: Thu Jul 5 21:52:00 1990

In article <22480003@hpcuha.HP.COM>, nicholso@hpcuha.HP.COM (Ron Nicholson) writes:

> Hi. I've got some questions that maybe the net hams could answer,
> at least those with experience in CW. I'm new to this hobby and have
> been learning about and making some CW contacts in the HF bands. I
> hear all kinds of CW procedures being used, and am wondering what
> procedures are the correct ones.

Well, I've been off the air for a while, but at least when I was on the air...

> - BT vs. periods for punctuation,

BT isn't so much punctuation as it is the CW equivalent of "uhhhh..."
At least when I used it, it was more like an ellipsis (...) to indicate the end of an incomplete thought, or sometimes as a paragraph marker.

> - one or two BT's at a time,

"uhh..." versus "uuhhhhhhhhh..." :-)

> - R R R vs. FB,

I've never considered them interchangable, but...

> - R R R before or after the callsigns,

Generally it is an emphatic "Roger, yup, copied that, yup, yup, yup",
which sounds silly but quickly becomes habit. (:-) When FB is used as filler
it might occupy the same location (start of a reply, after the IDs).
I generally used FB only when I wanted to specifically indicate approval or
interest in something particular.

> - 559 vs 55N for the 2nd RST report,

That's someone being honest, saying solid copy (5xx), quality signal (xx9),
middling signal strength (x5x). If by "2nd RST report" you mean after hearing
the first person say 599 or 5NN*, then the first person either had a really
hot receiver or was the kind of person who might say "YR SIGS 5NN PSE RPT ALL
AFTER CALLSIGN QSB K"...   (Hmm... is QSB fading? I don't have a
reference handy, and it HAS been quite a while)

* Bonus answer without a question: "cut numbers", exemplified by 5NN, actually are an honored tradition, whose roots are obscured by the fact that you usually hear them in the ham bands only for "5NN" signal reports. When the question of "number or letter" is unambiguous, it is semi-traditional to replace the dashes in a number with one dash, resulting in "AUV456BDNT" for 1..0.

> - differing amounts of abbreviations,

Personal style (and instantaneous level of fist exhaustion :-).

> - BK vs. BK TU vs. callsigns DE callsign KN,

You need only ID every 10 minutes; BK (sometimes B...K, sometimes $\overline{\text{BK}}$) is to hand it over without IDing. KN used to be used to emphasize that you want *only* the addressed station to reply, with K meaning breakers will at least be considered; I understand that KN has become nearly universal and has lost the distinction.

> - when to use AR (I've only heard it used twice),

Oh dear. Great shame. I knew what this meant, it was important, and it has completely slipped my mind. I think it means "end of contact, but I'm just sitting next to the rig with nothing better to do, so someone else can call me if they wish".

> - leaving out one callsign and just send DE callsign,

OF syndrome strikes again; I think you need not identify both stations any more, just yourself (except at the beginning and end), but I'm not sure, since that would be a change from when I was active.

> - SK before or after the closing callsign,

"Pulling switches, don't bother calling me even if you ARE the last DX contact I need for DXCC, because I am going off for dinner just as soon as we finish five minutes worth of the dit-dididit-dit / dit-dit ritual."

> - the dit dit at the end of contacts.

an amusing closing ritual, the full version of which is

```
     WA0AAA            WZ9ZZZ
     dit-dididit-dit
                  dit-dit
                  dit-dididit-dit
     dit-dit
```

To the rhythm of "Shave and a haircut...two bits". Once, someone and I dragged this protocol out for about 20 cycles or so, until I ID'ed again with a very emphatic "dididididahdidaaaaaaaaaaaaaaaaaah" at the end :-).

> Also, could someone post or email me some transcripts of some basic CW
> QSO's, including things like a contest contact, a short DX QSO and a

> typical novice interchange (name is, rig is, ...).

Let's see... I *think* the "ARRL Operating Manual" actually has a few of these in it (and is probably worth having even if not).
--
John Woods, Charles River Data Systems, Framingham MA, (508) 626-1101
...!decvax!frog!john, john@frog.UUCP, ...!mit-eddie!jfw, jfw@eddie.mit.edu

From 6477236233731386405
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,47f6ca2a91493652,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 19:33:57 PST
Path: gmdzi!unido!mcsun!uunet!bartek1!tapa!larry
From: larry@tapa.uucp (Larry Pajakowski)
Newsgroups: rec.ham-radio
Subject: Better muffler for a generator
Message-ID: <1990Jul6.023357.812@tapa.uucp>
Date: 6 Jul 90 02:33:57 GMT
Organization: Pata Consultants
Lines: 21
Posted: Fri Jul 6 03:33:57 1990

I purchased a couple of years ago from K-Mart one of the Coleman 4kw generators which comes complete with a "Low Tone" muffler. Well to my way of thinking it isn't very "Low Tone" at all. It's noisey enough to require ear protection when in a garrage with it running.

Since it has an 8hp. Briggs & Stratton engine I checked with my local repair shop and found out that I could buy for about $30 a "Super Low Tone" muffler kit. The kit includes all the bolts and gaskets neede for the new larger muffler. The only addtional item I needed was some anti-sieze which I got from the local auto parts store. I installed the new muffler in less than 5 minutes and what a difference it makes. I can actually hear the acoustic noise from the generator itself (sort of like a quiet siren) and can be in the garrage the without hearing protectors. Highly recommended mod.

The repair shop had a catalog with "Super Low Tone" mufflers for most all of the Briggs engines. For my 8hp. engine the Briggs part number is 398200.

73

Larry Pajakowski, WA9QOO
larry@tapa.uucp   ...!ddsw1!tapa!larry

From 1598549627370000410
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75f0cdc2aff84125,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 21:23:07 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!swrinde!ucsd!ucbvax!hplabs!

hpl-opus!hpnmdla!donm
From: donm@hpnmdla.HP.COM (Don Montgomery)
Newsgroups: rec.ham-radio
Subject: Re: Voodoo Radio?
Message-ID: <1250184@hpnmdla.HP.COM>
Date: 6 Jul 90 00:06:00 GMT
References: <173@bongo.UUCP>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 6
Posted: Fri Jul 6 01:06:00 1990

Then there's the conversation overheard on 11 meters:

"Roger dodger, good buddy. Say, how's my SWR look over there? Break-break"

Don Montgomery, K6LTS
Extra Class Tinkerer/Hacker/Fixer

From 5320500486138439665
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75f0cdc2aff84125
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 21:41:30 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Voodoo Radio?
Message-ID: <15114@ucsd.Edu>
Date: 6 Jul 90 04:07:31 GMT
References: <173@bongo.UUCP> <1250184@hpnmdla.HP.COM>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 26
Posted: Fri Jul 6 05:07:31 1990

In article <1250184@hpnmdla.HP.COM> donm@hpnmdla.HP.COM (Don Montgomery) writes:
>Then there's the conversation overheard on 11 meters:

Ghad, another one who missed the point entirely.

Explanation: hams are supposed to be technical. They had to pass an exam that purported to show that they were technical.

CB'ers aren't supposed to be technical. Therefore, their ignorance of technical matters is not remarkable. They got their radios to chat with one another, not to be technical. The pseudo-technical discussions of CB operators are just like the chat you have with the gas station attendant about your work - he's just making conversation while you fill up with guzzoline - or the chat you have with your bartender whilst he mixes your favourite popskull. Think of CBers as being the radio equivalent of shade-tree car mechanics.

No, what is remarkable about voodoo radio is that these are people who passed an exam and still couldn't grab their ass with both hands, radio-wise, without an illustrated manual.

As with driving skills, I think periodic mandatory retesting on radio knowledge would be a wonderful idea. After all, how are supposed to advance the state of the art when we don't even insist that people keep current in it?
     - Brian

From -2473038921925101065
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 21:55:10 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <30500587@ux1.cso.uiuc.edu>
Date: 6 Jul 90 01:14:00 GMT
References: <181503@<1990Jun23>
Lines: 20
Nf-ID: #R:<1990Jun23:181503:ux1.cso.uiuc.edu:30500587:000:1023
Nf-From: ux1.cso.uiuc.edu!phil   Jul 5 20:14:00 1990
Posted: Fri Jul 6 02:14:00 1990

> I'd like to hear more about phil's intelligent 'carrier level' sensing
> system which decides how strong a signal is and takes appropriate
> action, whether that is keying a repeater, preventing it from being
> keyed, or whatever have you.
>
> Phil?

I have a number of ideas, none of which I have ever experimented with yet. I really would have to get into the experimenting to really come up with anything useful (or determine if I am off base). But until I can experiment in software without having to build my own hardware (since I don't want to experiment with that right now) the ideas will just have to sit in limbo. We'll see what can be done with the Kantronics DataEngine once they get their promised developer's technical reference manual out. I just hope they have not hired one of George "read my lips; no new taxes" Bush's relatives to publish it.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 8857041762055576063
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-07-05 21:55:22 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!uwm.edu!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <30500588@ux1.cso.uiuc.edu>
Date: 6 Jul 90 01:22:00 GMT
References: <181503@<1990Jun23>
Lines: 14
Nf-ID: #R:<1990Jun23:181503:ux1.cso.uiuc.edu:30500588:000:835
Nf-From: ux1.cso.uiuc.edu!phil   Jul 5 20:22:00 1990
Posted: Fri Jul 6 02:22:00 1990

A voting system would basically be relatively simple to do. Sure you could do it in software, and I personally would rather do so since my software writing experience is a few orders of magnitude greater than my hardware building experience. But a hardware based one would not be that hard to do either. You could do it by having a binary tree where the leaves are hardware representing the input signals. Each node selects the quieter of the two signals and at the end pops out the quietest signal. Rather than have a noise filter and detector pair at each node, only one per input is really needed, and its output, a constant DC level, would be passed on from node to node.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -4007165651715675321
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-05 22:55:42 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!elroy.jpl.nasa.gov!ucla-cs!eel!cccph
From: cccph@eel.cs.ucla.edu (Charles Hobbs)
Newsgroups: rec.ham-radio
Subject: Re: The Demise of HR Magazine and Comments on CQ
Keywords: amateur radio, magazines, Ham Radio, CQ, subscriptions, sour grapes
Message-ID: <36789@shemp.CS.UCLA.EDU>
Date: 6 Jul 90 04:46:21 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com> <63@thoreau.nsc.com>
Sender: news@CS.UCLA.EDU
Reply-To: cccph@eel.cs.ucla.edu (Charles Hobbs)
Organization: UCLA Computer Science Department
Lines: 12
Posted: Fri Jul 6 05:46:21 1990

In article <63@thoreau.nsc.com> rtodd@thoreau.nsc.com (Ron Todd) writes:
>tech journal along the lines of what HR used to be (and 73 also before

>Wayne lost a fair amount of his common sense). A quarterly couldn't put
----

I haven't read the latest 73's, but Wayne always seemed to have
plenty of common sense in the past. What supposedly happened to
him?

Charles P. Hobbs, N6YMK @ K6VE....
Internet: cccph.eel.cs.ucla.edu   Plink: oar001   Genie: C.HOBBS

From 8624174771345872382
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,927abdc006189021,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 01:26:43 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!samsung!rex!ames!
ncar!umigw!rsmas!eakin
From: eakin@rsmas.miami.edu
Newsgroups: rec.ham-radio
Subject: RX mod for Kenwood TW 4100A
Message-ID: <7878.26931d00@rsmas.miami.edu>
Date: 5 Jul 90 14:57:04 GMT
Lines: 15
Posted: Thu Jul 5 15:57:04 1990

I need some help finding a modification for the Kenwood TW4100A. A friend had modified his for out of band RX by means of some keystroke commands. Unfortunately, he reset his CPU & does not remember the sequence. We are not interested in the hardware mod that extends the TX, we do not want to extend the Tx range on the radio, only the Rx.

If anyone knows the modification, please e-mail.

73 de Mark

--
C. Mark Eakin
Internet: Eakin@RSMAS.miami.edu
Amateur Radio: N4SYK   Packet Radio: N4SYK@AB4LU.FL.USA.NA
USnail: Univ. of Miami, RSMAS-BLR, 4600 Rickenbacker Cswy. Miami, FL 33149-1098

From -9141554344495710514
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f88bdc5470fdaa3e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 05:33:12 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!decwrl!
bacchus.pa.dec.com!shlump.nac.dec.com!ryn.esg.dec.com!ultnix!taber
From: taber@ultnix.enet.dec.com (Patrick Taber)
Newsgroups: rec.ham-radio

Subject: Re: kenwood 440 mic shock
Message-ID: <1998@ryn.esg.dec.com>
Date: 6 Jul 90 12:33:12 GMT
References: <3062@unisoft.UUCP>
Sender: guest@ryn.esg.dec.com
Reply-To: taber@ultnix.enet.dec.com (Patrick Taber)
Organization: Murder Inc.
Lines: 23
Posted: Fri Jul 6 13:33:12 1990

In article <3062@unisoft.UUCP>, washer@unisoft.UUCP (Jim Washer) writes:
>
> Recently, while operating my kenwood ts440s mobile, I received
> an electrical shock from the metal plate on the back of the stock
> microphone.
>[...]>
> Now the questions.
> a) was this 12v dc coming thru the mic wires?
> b) was this rf energy ?
> c) what was this?
> d) WHY IS THIS PLATE CONNECTED TO ANYTHING TO BEGINE WITH.
>

My guess is (b). You got zapped by RF as the reflected power increased.
The plate on the
mic is wired to ground.

>>>==>PStJTT
Patrick St. Joseph Teahan Taber

Copyright (c) 1990 Patrick Taber all rights reserved.
This message may not be used by any law enforcement agency nor may it be
used in any legal proceeding. That's the law.

From -8576038132091526988
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,69471e8b501a2604
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 05:59:42 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!inmet!benk
From: benk@inmet.inmet.com
Newsgroups: rec.ham-radio
Subject: Re: Phone number for Grove
Message-ID: <13700017@inmet>
Date: 5 Jul 90 13:09:00 GMT
References: <112338@linus.mitre.org>
Lines: 17
Nf-ID: #R:linus.mitre.org:112338:inmet:13700017:000:353
Nf-From: inmet.inmet.com!benk   Jul 5 09:09:00 1990
Posted: Thu Jul 5 14:09:00 1990

If you mean "Grove Enterprises", you're off by a few hundred miles: they're located in North Carolina.

The address: Grove Enterprises
P.O. Box 98
140 Dog Branch Road
Brasstown, N.C. 28902
U.S.A.

The phone: 704-837-9200

-- Ben Krepp

From internet: benk@inmet.inmet.com
From uunet: uunet!inmet!benk

```
From 2149336812984584078
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,654a555df619ed85
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 06:16:00 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!inmet!benk
From: benk@inmet.inmet.com
Newsgroups: rec.ham-radio
Subject: Re: Preliminary Agreement on 7 MHz for
Message-ID: <13700018@inmet>
Date: 6 Jul 90 13:16:00 GMT
References: <18826@well.sf.ca.us>
Lines: 35
Nf-ID: #R:well.sf.ca.us:18826:inmet:13700018:000:1740
Nf-From: inmet.inmet.com!benk    Jul  6 09:16:00 1990
Posted: Fri Jul  6 14:16:00 1990
```

While I might quibble over the details of which freqencies are allocated to broadcasting and which are allocated to hams, on the whole, I've got to say that I think that this is a great proposal, and I sure do hope that it is put forward and adopted at WARC-92.

The situation in the 41-meter band has basically been unaccepable for as long as *I* can remember (~20 years): neither broadcasters/listeners nor hams have been very happy about it, and it has been the source of needless friction - and occasional outright hostility - between SWLs and hams.

Adoption of the proposal described in the base note (or some similar scheme) will make *everybody* happier. Broadcasters and listeners will get a much- needed chunk of the lower end of the HF spectrum. This will help relieve congestion in the 49- and 31-meter bands, which is guaranteed to get even worse as the solar cycle starts to decline. Hams in North and South America will retain a 300 kiloHertz wide slice of spectrum around 7 MHz; much (most?) existing ham gear won't require extensive modification to work in the newly allocated band, as things have only been "shifted down" by 50 kiloHertz. Its probably true that most 40-meter ham dipoles won't even need to be recut to work pretty well. Hams elsewhere in the world will have a red-letter day, finding a 300 kiloHertz wide band available to them where before only 100 kiloHertz was allocated.

If this proposal is adopted, maybe its only a matter of time before the similar problem in the 75-meter broadcast-band/80-meter ham-band is cleaned up as well.

Hat's off to a great proposal!

-- Ben Krepp

From internet: benk@inmet.inmet.com
From uunet: uunet!inmet!benk

From -3917271550033557534
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-06 06:53:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!usc!zaphod.mps.ohio-state.edu!swrinde!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <954@ke4zv.UUCP>
Date: 5 Jul 90 23:48:46 GMT
References: <30500577@ux1.cso.uiuc.edu> <:6=&.Y-@splut.conmicro.com> <825@ke4zv.UUCP> <14954@ucsd.Edu> <SA#&_-@splut.conmicro.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 29
Posted: Fri Jul 6 00:48:46 1990

In article <SA#&_-@splut.conmicro.com> jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard) writes:

```
>In article <14954@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>>People stop kerchunking the repeater when
>>   a) they own radios they trust never to break
>>   b) they use a repeater they trust never to break
>>   c) you kill them
>>   d) the repeater drops off the air so fast they can't hear the kerchunk
>>Which do YOU think is the most achievable?
>
>D, obviously. Repeaters and user radios may not break, but they will
>NEVER make the repeater 100% of the time. The problem with D is that the
>users go away, too, since the repeater is unusable.
[stuff deleted]
>radios", and not all of them; my IC32AT definitely doesn't qualify, but
```

Now we get down to it. The users that go away are the ones with handie-scratchies trying to use them from marginal locations on the fringes of the repeater's coverage. In my opinion, if you are not equipped to put a full quieting signal into the repeater you shouldn't be attempting to use the repeater except in that mythical life or death situation where no other means of communications are available. And even in that situation, if someone is not there to hear your distress call, all the little beeps in the world won't help you. The only thing worse than listening to endless beeps and boops is listening to someone sitting in his easy chair fading in and out of the repeater with each breath because he is to lazy to walk over to his base station and put a solid signal into the machine.

Gary KE4ZV

From 2811148626478010104
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c2d11677991524eb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,c2d11677991524eb,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-07-06 08:33:35 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!rice!cs.utexas.edu!tut.cis.ohio-state.edu!uc!shamash!vtcqa
From: vtcqa@shamash.cdc.com (VTC)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Eldorado 992 Microwave Universal Counter
Keywords: counter eldorado manual
Message-ID: <23276@shamash.cdc.com>
Date: 6 Jul 90 08:02:58 GMT
Followup-To: andyw@vware.mn.org
Organization: Control Data Corporation, Arden Hills, MN.
Lines: 29
Xref: gmdzi rec.ham-radio:12662 sci.electronics:7351
Posted: Fri Jul 6 09:02:58 1990

This posting is for a friend, whose news feed has dried up for a while. Please reply to him directly as per his signature, please don't hit the "r" key !

Message from friend follows:

Hi,

I've just become the owner of an "Eldorado Model 992 Microwave Universal Counter", but I didn't get the manual :-(. I was told it covered up to about 500MHz directly, and would cover up to 18GHz with a prescaler. I do not have a prescaler, and would very much like one if anyone has one to spare. I am also looking for manual(s) or any information about this item.

The unit seems to have been manufactured by "E+H Research Lab's Inc" of

Oakland, CA; 555-1212 has no current listing for them so either they've closed or moved.

Any information/manuals/prescalers would be gratefully received.

Thanks in advance,
--
andyw   (W0/G1XRL)

```
Andy Warner         US email : andyw@vware.MN.ORG ..or..
VisionWare                ..!{amdahl,hpda,uunet!bulus3}!bungia!vware!andyw
P.O. Box 3991       UK email : ..!ukc!vision!andyw ..or.. andyw@vision.UUCP
Minneapolis
MN 55403-0991       Voice    : (612) 377-3627
```

From 4363762838793112663
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8788365a63c018df,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8788365a63c018df,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-06 08:46:07 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!xylogics!samsung!cg-atla!raybed2!ewb
From: ewb@raybed2.msd.ray.com (EUGENE BALINSKI)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: ATV BALLOON LAUNCH UPDATE
Keywords: East Coast, NEW DATE !
Message-ID: <1658@raybed2.msd.ray.com>
Date: 5 Jul 90 17:27:31 GMT
Followup-To: poster
Organization: Raytheon Co., Tewksbury, Mass.
Lines: 17
Xref: gmdzi rec.ham-radio:12663 rec.radio.shortwave:1560
Posted: Thu Jul 5 18:27:31 1990

TO ALL INTERESTED PARTIES:

The Launch of the balloon CARRYING LIVE ATV has been re-scheduled to SUNDAY JULY 15 at 9:00 AM. The Net will start at around 8:00 AM on 7155 KHz. The launch of the "micro-balloon" with the cw telemetry is still scheduled for this saturday (July 7) at 9:00 am.

Coverage of both the micro balloon and the live ATV balloon should be in excess of a 400 miles radius centered around Peteborough N.H. This should provide coverage south past Washington D.C., west past Rochester N.Y., and north into the Montreal area. ATV beacon (2M) will be 144.34. Video 439.25 (Cable Ch 60). Micro balloon frequency will be different. Details to follow.

73
Gene WA1UXA

From -1518876229725290140
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2f7e5d9f25e521b3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 14bc30,2f7e5d9f25e521b3,start
X-Google-Attributes: gid14bc30,public
X-Google-ArrivalTime: 1990-07-03 00:06:24 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!zaphod.mps.ohio-state.edu!ncar!midway!gary
From: gary@ellis.uchicago.edu (gary buchholz)
Newsgroups: rec.ham-radio,rec.shortwave
Subject: Scanner Antenna / Discone / Technical questions
Message-ID: <1990Jul3.025821.8189@midway.uchicago.edu>
Date: 3 Jul 90 02:58:21 GMT
Sender: gary@midway.uchicago.edu (gary buchholz)
Organization: University of Chicago Computing Organizations
Lines: 33
Xref: gmdzi rec.ham-radio:12571
Posted: Tue Jul 3 03:58:21 1990

I recently purchased a Discone scanner antenna from (ug) Radio Shack. This antenna has 8 horizontal radial elements and 8 radial elements at about a 30 degree angle with the vertical. It comes with a support tube and U bolts to attach to a mast or tripod but its pretty much free standing as it is for living room / portable use.

As far as performance goes - its much better than the rubber duck antenna on my Uniden BC100XLT. I pick up stuff clearly with the Discone that I can't even hear with the rubber duck - (esp useful when giving RST reports to your neighbors on their cordless phone transmissions - if you're in to that :))

But, its not better than my 45ft mult-band dipole. The discone is a bit "noisly" without a good ground connection. The dipole is clear as a bell but slighly less portable.

So thats that.

Here's the question(s)

1) The "users guide" cliams that the discone recieves 25MHz -> 1.3GHz. So what does this mean? A paper clip can recieve 25MHz - 1.3GHz. Is this hype or does it actually mean something ?

2) The claim is that it has a 1.5 SWR or better across 144,220,440 and 1296 MHz. Anyone use the Discone for transmitting ? How well does it work ?

3) I have a handfull of books on antennas but none discuss an antenna quite like the Discone. Can someone tell me qualitatively how this antenna with its double set of 8 radials "works"

Thanks
  Gary

From -3203286571971357434
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c66d9c2af81b8a40,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 00:06:36 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!uwm.edu!rpi!zaphod.mps.ohio-state.edu!usc!wuarchive!psuvax1!rutgers!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Rumor of V31BB's death resolved
Message-ID: <26653@netnews.upenn.edu>
Date: 3 Jul 90 04:45:07 GMT
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 19
Posted: Tue Jul 3 05:45:07 1990

Here's the straight story. It comes from a friend of Jim's family who got the news from Jim's uncle.

Jim passed away at the mic while working DX. The cause of his death was NOT caused by electrocution as was previously rumored. Apparently he died of a heart attack. Approximately 3 days after he died, he was found in front of the 781, log book page half filled, radio still on, etc.

That's the whole story.

--- Jeff

```
+------------------------+-----------------------------------------------------+
| Jeff DePolo N3HBZ/AA   | Internet: depolo@eniac.seas.upenn.edu               |
| Univ. of Pennsylvania  | RF: 146.685- 224.40- 442.70+ 144.455s (Philadelpia) |
| Computer Science Eng.  | Twisted pair: (215) 386-7199 home                   |
|     Class of 1991      | Carrier pigeon: 420 South 42nd St. Philly, PA 19104 |
+------------------------+-----------------------------------------------------+
```

From -2003620767438622452
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,654a555df619ed85
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 01:57:11 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!zaphod.mps.ohio-state.edu!rpi!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Preliminary Agreement on 7 MHz for

Message-ID: <242@ultrix.uhasun.hartford.edu>
Date: 3 Jul 90 04:20:49 GMT
References: <18826@well.sf.ca.us> <30500581@ux1.cso.uiuc.edu>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 23
Posted: Tue Jul 3 05:20:49 1990

In article <30500581@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:

> 6950-7000 and 7300-7750 are surely allocated to other services, some of which
> probably no longer have so much need for this spectrum. But have they been
> consulted yet?

Before we go off the dep end with this, keep in mind that the original posting is about one working group _advising_ on what the US position should be. (And my information is that the agreement within this WG is less cast in concrete than might have been implied.) There are other WG's with differing ideas, and the US position will be an amalgam of the recommendations of these various groups (and other influences). So we are a long way from seeing this made into an official US position. And even if that happens, that's one vote among many countries at the WARC. Not only aren't the chickens hatched, the eggs aren't even laid yet.

(Still, we can dream, can't we? :-)

--
Jon Bloom, KE3Z | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu |
Snail: 225 Main St., Newington, CT 06111 | "I have no opinions."

From -5540278663799184966
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a56ddf7669a45a2b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 01:57:28 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!rpi!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Subscribe to QEX ?
Message-ID: <243@ultrix.uhasun.hartford.edu>
Date: 3 Jul 90 04:28:28 GMT
References: <9007011734.AA05107@cmr.ncsl.nist.gov> <42578@apple.Apple.COM>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 16
Posted: Tue Jul 3 05:28:28 1990

In article <42578@apple.Apple.COM>, kchen@Apple.COM (Kok Chen) writes:

> rc@CMR.NCSL.NIST.GOV (Robert Carpenter) writes:

> >I've found 11.9 pages of advertising for League publications, BUT NOT ONE
> >SINGLE MENTION OF QEX. Call that pushing the tech interests! OK, many of the
> As a more recent member of the ARRL (< 6 mo.), I received, a few
> weeks ago, a literature list of what can be ordered from Newington.
> I scanned it over and over and could *not* find QEX.

First thing tomorrow morning, copies of this thread will be posted
on the main bulletin board in the hall at ARRL. Maybe that'll wake
some people up.

```
--
Jon Bloom, KE3Z                              | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu         |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

From 12832582566718590
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1fe885019cd4bebc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 06:31:35 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!hplabs!hpda!hpcuha!nicholso
From: nicholso@hpcuha.HP.COM (Ron Nicholson)
Newsgroups: rec.ham-radio
Subject: Some CW procedure questions
Message-ID: <22480003@hpcuha.HP.COM>
Date: 3 Jul 90 01:42:07 GMT
Organization: Hewlett Packard, Cupertino
Lines: 28
Posted: Tue Jul 3 02:42:07 1990

Hi. I've got some questions that maybe the net hams could answer,
at least those with experience in CW. I'm new to this hobby and have
been learning about and making some CW contacts in the HF bands. I
hear all kinds of CW procedures being used, and am wondering what
procedures are the correct ones.

I hear lots of variation in the use of things like:

- BT vs. periods for punctuation,
- one or two BT's at a time,
- R R R vs. FB,
- R R R before or after the callsigns,
- 559 vs 55N for the 2nd RST report,
- differing amounts of abbreviations,
- BK vs. BK TU vs. callsigns DE callsign KN,
- when to use AR (I've only heard it used twice),
- leaving out one callsign and just send DE callsign,
- just ending with BK and no callsigns,
- SK before or after the closing callsign,
- the dit dit at the end of contacts.

Also, could someone post or email me some transcripts of some basic CW

QSO's, including things like a contest contact, a short DX QSO and a
typical novice interchange (name is, rig is, ...).

```
Ronald H. Nicholson, Jr.         Hewlett Packard
uucp: nicholso@hpda.HP.COM       Cupertino, CA
(408) 447-6603                   #include <canonical disclaimer>
N6YWU                       private pilot ASEL 151 hours
```

From 6126787018629236848
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10fe4c,a9895d73d443a96b
X-Google-Attributes: gid10fe4c,public
X-Google-Thread: 10c9e3,15af55fb76e98f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 09:50:51 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: DELUGE THE ARRL WITH ARTICLE...
Summary: $$$$$, tear-out section?
Message-ID: <871@ssc.UUCP>
Date: 3 Jul 90 06:34:19 GMT
References: <9006281424.AA15063@ti.com>
Organization: very little
Lines: 21
Posted: Tue Jul 3 07:34:19 1990

In article <9006281424.AA15063@ti.com>, dube@cpdvax.csc.ti.com writes:
>
> How about a separate technical section? It could be one of the "tear-out"
> types that you often see nowadays in other mags. These are usually a little
> smaller; they are separately saddlebound; and they are attached by a single
> (usually perforated) retainer that is bound with the magazine. In this manner

One thing that hold back increasing more of one type of article is expense.
Having a special tear out section with different binding is going to be
even MORE expensive. So you can figure that with the same budget, you
would get LESS articles.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -4360911167583618873
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,69471e8b501a2604,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 10:10:58 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!xylogics!linus!sra
From: sra@linus.mitre.org (Stanley R. Ames)
Newsgroups: rec.ham-radio
Subject: Phone number for Grove
Message-ID: <112338@linus.mitre.org>
Date: 3 Jul 90 11:51:16 GMT
Reply-To: sra@linus.UUCP sra@mitre.org (Stanley R. Ames)
Organization: The MITRE Corporation, Bedford MA
Lines: 6
Posted: Tue Jul 3 12:51:16 1990
References:

Can someone please semd me the current phone number for Grove Electronics
in I believe New Jersey.

Is this still the best place to purchase scanners?

Stan Ames

From -5975759774472542946
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2f7e5d9f25e521b3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 10:16:06 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!uakari.primate.wisc.edu!
dali.cs.montana.edu!rpi!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Scanner Antenna / Discone / Technical questions
Message-ID: <245@ultrix.uhasun.hartford.edu>
Date: 3 Jul 90 13:18:10 GMT
References: <1990Jul3.025821.8189@midway.uchicago.edu>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 32
Posted: Tue Jul 3 14:18:10 1990

In article <1990Jul3.025821.8189@midway.uchicago.edu>, gary@ellis.uchicago.edu
(gary buchholz) writes:
>
> 1) The "users guide" cliams that the discone recieves 25MHz -> 1.3GHz. So what
> does this mean? A paper clip can recieve 25MHz - 1.3GHz. Is this hype or
> does it actually mean something ?

Yes, it means something. According to the ARRL Antenna Book, 15th edition,
   "A discone antenna acts as a high-pass filter. Below some cutoff
    frequency, the SWR will increase rapidly. Above this frequency, the
    antenna SWR remains low up to a maximum of 10 times the cutoff frequency
    value, depending on the design proportions."

> 2) The claim is that it has a 1.5 SWR or better across 144,220,440 and 1296
> MHz. Anyone use the Discone for transmitting ? How well does it work ?

Just yesterday I talked on the phone to a fellow in central PA who is
using one on 220. He seemed to be having success with it. I've heard
of other people using it, too.

> 3) I have a handfull of books on antennas but none discuss an antenna quite
> like the Discone. Can someone tell me qualitatively how this antenna with
> its double set of 8 radials "works"
>

It's described in the ARRL Antenna Book, both 14th and 15th (the newest)
editions. The 15th edition devotes 5 pages to it. Maybe you have the
wrong antenna book :-)

```
--
Jon Bloom, KE3Z                              | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu         |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

```
From -7402959860501147392
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca98fcff0a6fcb3c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,ca98fcff0a6fcb3c,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-07-03 10:16:59 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio,rec.ham-radio.swap
Subject: What do people use for sweep generators?
Keywords: sweep generators
Message-ID: <3478@radio.oakhill.UUCP>
Date: 3 Jul 90 14:18:12 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 10
Xref: gmdzi rec.ham-radio:12579 rec.ham-radio.swap:489
Posted: Tue Jul  3 15:18:12 1990
```

When it comes to aligning receiver front ends and other tuned circuits
a sweep generator seems very useful. Strangely enough, these beasts
are hard to find at hamfests. What do people do for sweeping i.f.'s
and front ends? Does anyone remember this apparent lost art?
Anybody out there have a sweep generator they use regularly that
would like to comment?

-Thanks in advance,
 Charlie Thompson WB4HVD

From 481565359550265789
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1fe885019cd4bebc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 10:17:13 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!rutgers!bellcore!casux4!jdn
From: jdn@casux4.uucp (jonathan nagy)
Newsgroups: rec.ham-radio
Subject: Re: Some CW procedure questions
Message-ID: <24940@bellcore.bellcore.com>
Date: 3 Jul 90 15:27:37 GMT
References: <22480003@hpcuha.HP.COM>
Sender: news@bellcore.bellcore.com
Reply-To: jdn@casux4.UUCP (jonathan nagy)
Organization: Bell Communications Research, Inc.
Lines: 60
Posted: Tue Jul 3 16:27:37 1990

In article <22480003@hpcuha.HP.COM> nicholso@hpcuha.HP.COM (Ron Nicholson) writes:
>I hear all kinds of CW procedures being used, and am wondering what
>procedures are the correct ones.
>
>I hear lots of variation in the use of things like:
>-   BT vs. periods for punctuation,
 Periods are wrong. Use BT for a break in thought
>-   one or two BT's at a time,
 Use one BT
>-   R R R vs. FB,
 Send one R only
>-   R R R before or after the callsigns,
 Send one R only either after your callsign or immediately
 after the other station sends BK. IMPORANT! Send R only
 if you recieved everything without error. Nothing ticks me
 off more than the following:

NK2D de KA4XXX R R R FB OM AND TNX FER INFO
BUT MISSED UR NAME AND PSE RPT MY REPORT AND
YOUR QTH.

GRRRRR!

>-   559 vs 55N for the 2nd RST report,
   Either way is OK
>-   differing amounts of abbreviations,
 The more the better
>-   BK vs. BK TU vs. callsigns DE callsign KN,
 Both are OK, but you should get in the habit of using BK
 instead of identifying each time. The rules require identification
 every 10 minutes, so sending BK instead saves time and leads to
 a more conversational qso. BTW, why add the kn after your callsign?
 you should just use k, especailly on domestic qsos.

>-   when to use AR (I've only heard it used twice),
   At the end of your transmission prior to sending:
           KA4XXX de NK2D K

>-   leaving out one callsign and just send DE callsign,
  This practice is OK.
>-   just ending with BK and no callsigns,
  See above. This is generally best.
>-   SK before or after the closing callsign,
  SK goes after the callsign.
>-   the dit dit at the end of contacts.
   This has become quite common and is OK.
>
>Also, could someone post or email me some transcripts of some basic CW
>QSO's, including things like a contest contact, a short DX QSO and a
>typical novice interchange (name is, rig is, ...).

Try to get a hold of the arrl operators manual. It is basically
sound and has a listing of useful cw abbreviations and Q signals.

73, Jon NK2D

Jonathan Nagy
jdn@navaho.cc.bellcore.com
(201) 699-4445

From -7140936372787230271
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2f7e5d9f25e521b3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 10:21:41 PST
Path: gmdzi!unido!mcsun!uunet!image.soe.clarkson.edu!bray
From: bray@image.soe.clarkson.edu (David Bray)
Newsgroups: rec.ham-radio
Subject: Re: Scanner Antenna / Discone / Technical questions
Message-ID: <1990Jul3.153123.21682@sun.soe.clarkson.edu>
Date: 3 Jul 90 15:31:23 GMT
References: <245@ultrix.uhasun.hartford.edu>
Sender: bray@sun.soe.clarkson.edu (David Bray)
Organization: Clarkson University, Potsdam, NY
Lines: 41
Posted: Tue Jul 3 16:31:23 1990

From article <245@ultrix.uhasun.hartford.edu>, by jbloom@uhasun.hartford.edu (Jon Bloom):
> In article <1990Jul3.025821.8189@midway.uchicago.edu>, gary@ellis.uchicago.edu (gary buchholz) writes:
>>
>> 1) The "users guide" cliams that the discone recieves 25MHz -> 1.3GHz. So what
>> does this mean? A paper clip can recieve 25MHz - 1.3GHz. Is this hype or

```
>> does it actually mean something ?
>
> Yes, it means something.  According to the ARRL Antenna Book, 15th edition,
>    "A discone antenna acts as a high-pass filter.  Below some cutoff
>     frequency, the SWR will increase rapidly.  Above this frequency, the
>     antenna SWR remains low up to a maximum of 10 times the cutoff frequency
>     value, depending on the design proportions."
>
>> 2) The claim is that it has a 1.5 SWR or better across 144,220,440 and 1296
>> MHz.  Anyone use the Discone for transmitting ?  How well does it work ?
>
> Just yesterday I talked on the phone to a fellow in central PA who is
> using one on 220.  He seemed to be having success with it.  I've heard
> of other people using it, too.
>
>> 3) I have a handfull of books on antennas but none discuss an antenna quite
>> like the Discone.  Can someone tell me qualitatively how this antenna with
>> its double set of 8 radials "works"
>>
>
> It's described in the ARRL Antenna Book, both 14th and 15th (the newest)
> editions.  The 15th edition devotes 5 pages to it.  Maybe you have the
> wrong antenna book  :-)
>
   I am using a RS discone on both 2 meters and 70 cm.  The SWR is about
   1.1 on both bands.  It works well.  The gain is, of course, no better
   than a dipole (possibly a little worse), but I am able to work a
   repeater 70 miles away with 2 watts.

   The antenna was designed many years ago and I believe first produced by
   Hy Gain, but I don't see them advertising it any more.

D.W. Bray, K2LMG
Clarkson University
email: bray@sun.soe.clarkson.edu


From -7701644549516114734
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e6907e7ea2ba1f78,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 11:08:09 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!hplabs!hpfcso!hpldola!paul
From: paul@hpldola.HP.COM (Paul Bame)
Newsgroups: rec.ham-radio
Subject: Re: Earmike query
Message-ID: <12120040@hpldola.HP.COM>
Date: 3 Jul 90 18:08:09 GMT
References: <10909@hydra.gatech.EDU>
Organization: HP Elec. Design Div. -ColoSpgs
Lines: 11
Posted: Tue Jul  3 19:08:09 1990
```

I have one of the Maxon ear-mic tranceivers. The ear-mic is very convenient when the external noise is low. When high it can trigger the VOX and cause all sorts of grief. The Maxon literature suggests these things are OK for use in high-noise environments like airport areas - used *underneath* the approved hearing-protection headsets. I haven't tried it but it should work fine.

-Paul "Spice is the Variety of Life"
paul@hpldola.hp.com   N0KCL

From 3895824338164193165
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3d4f882d8bca781e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 11:46:40 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!NISD.CAM.UNISYS.COM!doug
From: doug@NISD.CAM.UNISYS.COM (Doug Hardie)
Newsgroups: rec.ham-radio
Subject: Re: Technical articles
Message-ID: <9007031721.AA12000@KRONOS.NISD.CAM.UNISYS.COM>
Date: 3 Jul 90 17:21:20 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Tue Jul 3 18:21:20 1990

Most of the "technical" articles have been a how to build it. While there needs to be such articles, I think people will only become interested in technical articles if those articles provide new understanding of the issues. When I was just entering the field, I wanted, and looked everywhere, foor articles that explained how the design was derived. Not just why a bypass capacitor was used, but how its value and type was determined. When I want to build something, I don't go out and buy the exact parts and create a clone. Usually I want some mods and to use some parts that are available from cheaper sources. Without an understand of the real design techniques, indescriminate part substitution will most likely lead to project failure and loss of interest in designing and building your own equipment.

-- Doug WA6VVV

From 8272297893155690443
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f8cabf46e386777e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 14:06:39 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!purdue!mentor.cc.purdue.edu!noose.ecn.purdue.edu!news
From: wb9omc@ea.ecn.purdue.edu (Duane P Mantick)
Newsgroups: rec.ham-radio

```
Subject: V31BB
Message-ID: <1990Jul3.175423.12840@ecn.purdue.edu>
Date: 3 Jul 90 17:54:23 GMT
Sender: news@ecn.purdue.edu (USENET news)
Organization: Purdue University Engineering Computer Network
Lines: 11
Posted: Tue Jul  3 18:54:23 1990
```

Well, dying at the mic is really dramatic - the kind of stuff that the
Hollywood "glop factories" make mega-buck movies out of.

I just hope we don't have some morons come around and say that MFJ did it
out of revenge. That would really be a sick suggestion......

So long V31BB - hope you're in ham heaven!

Duane
WB9OMC

```
From 7209482643079156326
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2f7e5d9f25e521b3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 14:07:44 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!sdd.hp.com!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!psuvax1!rutgers!bellcore!bellcore-2!envy.bellcore.com!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Scanner Antenna / Discone / Technical questions
Message-ID: <1990Jul3.173606.27918@bellcore-2.bellcore.com>
Date: 3 Jul 90 17:36:06 GMT
References: <1990Jul3.025821.8189@midway.uchicago.edu>
<245@ultrix.uhasun.hartford.edu>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 8
Posted: Tue Jul  3 18:36:06 1990
```

>Anyone use the Discone for transmitting ? How well does it work ?

Discones work just fine for transmitting. The only problem is that because
they're so broadband, they will gladly radiate any and all harmonics and
spurs generated by your transmitter -- no "free filtering" at the antenna.

Phil

```
From -2847734951421855215
X-Google-Language: ENGLISH,ASCII-7-bit
```

```
X-Google-Thread: 10c9e3,d3c704f9e17649fb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 14:08:24 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!purdue!mentor.cc.purdue.edu!
noose.ecn.purdue.edu!en.ecn.purdue.edu!ghg
From: ghg@ecn.purdue.edu (George Goble)
Newsgroups: rec.ham-radio
Subject: Re: Starting a car with NiCd's
Message-ID: <1990Jul3.175310.22230@ecn.purdue.edu>
Date: 3 Jul 90 17:53:10 GMT
References: <30500582@ux1.cso.uiuc.edu>
Organization: Purdue University Engineering Computer Network
Lines: 33
Posted: Tue Jul  3 18:53:10 1990

In article <30500582@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>
>Has anyone ever tried starting a car with NiCd batteries?  If you could
>validly assert that a certain number of cells of a certain size were able
>to start a car (even if they self destructed in the process) that might
>be significant enough to convince some people of the hazard.
>
>Also, I am curious if anyone has ever tried to charge a regular (but low)
>car battery from alkaline cells.  I would think it would require a number
>of them in series to get above the car battery voltage.  Perhaps 10 D cells
>in series could, in the course of 1-4 hours, charge a car battery up enough
>to start it.

I have done it twice. I built a portable computer (Z-181 laptop +
Telebit Trailblazer plus + Motorola 8000 series cell phone portable +
17 "D" (Radio shaft 4 AH nicads) a couple of years back.  Left the
flashers on for 45 mins on my '90 Pontiac Transsport once..After being
used to a DieHard for years, I didnt realize how weenie those modern
sealed Delco batteries are these days.  All the solenoid did was chatter.
Let stand with no load for 15 mins.. same thing.  I patched up the
battery back from the suitcase terminal to the cigarette lighter, and
put a 12V 55W halogen bulb in series with it (around 21V on the terminal)
This "charged" the car battery at a couple of amps or so.. In 5 mins,
it started on the first try.

2nd time battery was totally dead (left the dome light on)., Did the same
trick, but let it charge for 45 mins and started fine.

I have heard of a form of lithiums (thoicynional?? sp?), which can short
circuit in the hundreds of amps.  Four "C" cells can start a car.
They are not available to the public for obvious reasons.

--ghg


From -4409426060374220939
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7dce6a64dd42d032,start
```

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 14:10:07 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!helios!helios.tamu.edu!wjh0265
From: wjh0265@helios.tamu.edu (Bill Hobson)
Newsgroups: rec.ham-radio
Subject: KA9Q installation on MFJ 1270
Message-ID: <6319@helios.TAMU.EDU>
Date: 3 Jul 90 18:31:37 GMT
Sender: wjh0265@helios.TAMU.EDU
Organization: Texas A&M University
Lines: 7
Posted: Tue Jul 3 19:31:37 1990

I was thinking about installing the KA9Q net pkg. for an MFJ 1270 with 1.1.2 ROM. I was going to burn a new ROM with the patch supplied with the pkg., but I have heard there is a new ROM available that may make that a moot point. I would like dual operability for standard AX.25 and KA9Q. I downloaded the stuff from louie.udel.edu, but it seems to be the same stuff I saw there 2 years ago. Is there new code and docs elsewhere that I don't know about? Any help would be appreciated!

From -9057593733951187945
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79d5b9c618d0ea5d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 15:36:48 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.ham-radio
Subject: Re: ICOM R71A vs KENWOOD R5000
Message-ID: <1990Jul3.163809.21683@lopez.UUCP>
Date: 3 Jul 90 16:38:09 GMT
References: <9006240432.AA10810@ucsd.edu>
Organization: Great White North/UPlink
Lines: 31
Posted: Tue Jul 3 17:38:09 1990

The kenwood is the better rig, but don't take my word for it. Check out Passport to workd band radio, or other reviews that pit the two. I have a kenwood 440, the same thing only with transmit. Have had it for 4 years, and you could not give me the equivalent icom.

Icom used to have passband tuning, but they removed it from the current version of the R-71. This is a very needed feature, and without it you might as well keep your 2010 (I have one of those also, and like you I upgraded, but still use the sony for some listening).

The kenwood has MUCH better audio. Especially if you run it through an amplifier, or hook up an external speaker. The icom sounds like a bucket of tin.

The icom is touted as a DX machine. DX'ers do not care about audio quality, they just want an ID. BUT without the passband tuning, I think the icom suffers even in that aspect.

Kenwood calls their system IF shift. It works just beatifully. I have used it (In combination with usb) to pull out Pirate Stations that would have been lost on a rig without it.

There is no contest at all. The KENWOOD is the winner.

```
--
=Marquette MI: It's Not the END of the world, but you can see it from here=
==  Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash)  GWN UPLink  ==
==  3.950  Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================
```

```
From -591353511297581123
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e3c41677ba47af85,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 15:38:18 PST
Path: gmdzi!unido!mcsun!sunic!tut!hks
From: hks@funet.fi (Harri Salminen)
Newsgroups: rec.ham-radio
Subject: Standard C528 Twinbander? Experiences?
Keywords: VHF, Standard, C528, UHF
Message-ID: <1990Jul3.193121.6767@funet.fi>
Date: 3 Jul 90 19:31:21 GMT
Reply-To: hks@funet.fi
Distribution: rec
Organization: Finnish University & Research Network
Lines: 38
Posted: Tue Jul  3 20:31:21 1990
```

I've been offered by a local ham dealer (ELSTAR Oy) a Standard (Radio Co) Model C528 "Twin bander" which has more features than I have seen in others (ICOM-24ET, YEASY-470,Kenwood-75E) like dual/separate SQL,VOL,displays (including S-meter and memories), dual speaker jacks (maybe I could put TNC on main band and listen the other?), scan functions etc. Also it's supposed to have CODE scuelch/paging, tone scuelch (option), lots of scanning, dual watch etc. functions (a la ICOM) with wide extended coverage, PTT lock, Freq lock, squeclh off, APO etc. Only receiver specification is the sensitivity of 0.16uV at 12dB SINAD which sounds good. Of course it's also supposed to provide 2-5W, fit in to pocket and be raindrop proof. Price is a bit more expensive than ICOM, Heath or YEASY but so is nearly everything here due to low volumes and high taxes :-(

What I'd like to know has anyone any real experience on this Unit (or Standard in general). Can you trust it (them?)? Is it high quality and rugged construction? Any caveats? I or my friends have hardly even heard of the company and I've seen only a very small announcement in a UK ham paper but not in any major ones etc. Also the English grammar is horrible in their brochure (even to a non native speaker :-) although I don't hold that as an evidence of a bad product but bad marketing. Am I missing something or have most others missed an excellent dualbander?

Regards,

Harri Salminen

hks@funet.fi   (please reply directly too because news distribution here
                might have some problems due to rearrangements)
OH2LGE (@OH2TI)

--
Harri K Salminen - Finnish University & Research Network project
hks@funet.fi, LK-HS at FINHUTC, tut!hks, hks@fscc.funet, OPMVAX::hks
FUNET c/o VTKK/TLP, PL 40, 02101 Espoo, Finland - +358-0-4572288
"Virtually, I don't work, I just netWORK :-)"

From -5351339013632190879
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 15:39:32 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <14954@ucsd.Edu>
Date: 3 Jul 90 19:59:12 GMT
References: <30500577@ux1.cso.uiuc.edu> <:6=&.Y-@splut.conmicro.com>
<825@ke4zv.UUCP>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 12
Posted: Tue Jul 3 20:59:12 1990

People stop kerchunking the repeater when
a) they own radios they trust never to break
b) they use a repeater they trust never to break
c) you kill them
d) the repeater drops off the air so fast they can't hear the kerchunk

Which do YOU think is the most achievable?

(Recall that if you have a real radio, IT won't make any noise when the signal comes and goes either, so if the repeater also lacks pinball machine noises, it could be kerchunked all day long and nobody'd care.)
- Brian

From 4482373436150515895
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 15:43:02 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!swrinde!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <2617@anasaz.UUCP>
Date: 3 Jul 90 15:48:53 GMT
References: <181503@<1990Jun23> <30500577@ux1.cso.uiuc.edu> <:6=&.Y-@splut.conmicro.com>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 25
Posted: Tue Jul 3 16:48:53 1990

In article <:6=&.Y-@splut.conmicro.com> jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard) writes:
]>If it is a test in and of itself, it is a complete transmission and needs
]>and ID at the end of it, that means when the testing is done, ID it. Since
]>a series of kerchunks give you no more information that ONE does, you only
]>need one, and you need to ID at the end of it.
]
]Ah, but a series sometimes DOES provide more information, especially
]with the "handheld on the fringe" scenario: you can find out where the
]hot spot is. (No, it's not always where the receiver S-meter peaks, and
]not all radios have S-meters.) The objective is to determine when you're
]likely to get into the repeater; when you find that out, I agree that an
]ID is necessary.

Actually, there is a problem with this. When you are hunting for hot spots,
you are listening on the receive frequency. But... you need a hot spot for
the transmit frequency also. Since hot spots are usually caused by
multipath, the transmit and receive hot spots are often not in the
same place. Most repeaters don't give you any indication of how strong
your ker-chunk is. Micor's, I notice, do give you some hint - the
squelch tail is slightly longer on a weak signal.
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326 FAX:602-861-7642 Advice: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From 8077460081683839095
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3d4f882d8bca781e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 15:48:04 PST

Path: gmdzi!unido!mcsun!uunet!crdgw1!trub
From: perley@trub (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: Technical articles
Message-ID: <9275@crdgw1.crd.ge.com>
Date: 3 Jul 90 20:49:27 GMT
References: <9007031721.AA12000@KRONOS.NISD.CAM.UNISYS.COM>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@trub (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 39
Posted: Tue Jul 3 21:49:27 1990
In-reply-to: doug@NISD.CAM.UNISYS.COM (Doug Hardie)

In article <9007031721.AA12000@KRONOS.NISD.CAM.UNISYS.COM>, doug@NISD (Doug Hardie) writes:
>Most of the "technical" articles have been a how to build it. While there
>needs to be such articles, I think people will only become interested in
>technical articles if those articles provide new understanding of the issues.
>When I was just entering the field, I wanted, and looked everywhere, foor
>articles that explained how the design was derived. Not just why a
>bypass capacitor was used, but how its value and type was determined.

Giving that level of detail would put a severe limit on project complexity given that they can't devote a whole issue to one article.

Usually they give you some clues such as "the next stage is an emitter-follower" which you can then look up in the Radio Handbook or some other text for generic parameter info.

Another explanation is that the size and type was determined by the author's junk box. The author has developed a "feel" for what works for af or rf bypass, etc, but is not up to a quantitative analysis.

On the other hand, if the author says that xxx or anything in the range yyy-zzz will work just as well, and hasn't actually tried them, he may end up with a bunch or irate letters if it doesn't work for some unforseen reason.

> When
>I want to build something, I don't go out and buy the exact parts and create
>a clone. Usually I want some mods and to use some parts that are available
>from cheaper sources. Without an understand of the real design techniques,
>indescriminate part substitution will most likely lead to project failure
>and loss of interest in designing and building your own equipment.

For beginners, I think it would be best to build a couple of projects as described. Then try some "educated" substitutions to see how it changes things.

-don perley ke2tp

perley@trub.crd.ge.com

From -2551163887612832460
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,fa1fad37a70354c0,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,c9a62cea82f08bb8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 15:52:05 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Worldwide network of HF propagation beacons. . .
Message-ID: <42620@apple.Apple.COM>
Date: 3 Jul 90 21:45:16 GMT
References: <1990Jul3.030049.8312@midway.uchicago.edu>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 84
Xref: gmdzi rec.ham-radio:12593 rec.radio.shortwave:1550
Posted: Tue Jul 3 22:45:16 1990

In article <1990Jul3.030049.8312@midway.uchicago.edu> gary@ellis.uchicago.edu (gary buchholz) writes:
>I picked up a copy of the ARRL Operating Manual(copyright 1988). On pages
>2-17 there is some discussion of the NCDXF worldwide propagation beacon
>network on 14.100 MHz.
>==> The question is this. My ARRL guide is from 1988. Is this beacon still
>==> in operation ?

They sure are. In fact, the Stanford beacon now operates on three bands. When it finishes on 20m, it switches to 21.150MHz. Then during the next minute, it's on 28.200MHz. Then it's silent until its next turn on 20m.

Herewith the full scoop (obviously Gary has it, but others might appreciate the information):

******************(cut here)************************

Here's a list of the beacon stations supported by the Northern California DX Foundation on 14.100 MHz.

Schedule: Each beacon occupies a one-minute time slot on a rotating basis with the others. For example, 4U1UN/B at the U.N. headquarters in New York City is on the air at every "0" minute; i.e. at the top of the hour, at 10 minutes after, at 20 minutes after, etc. As yet, there is no beacon in the "9" slot.

Output sequence: Each message begins and ends with a CW id at 100 watts. In between, the beacon broadcasts a series of continuous tones at 100, 10, 1, and 0.1 watts.

TIME	CALL SIGN	LOCATION
00	4U1UN/B	New York
01	W6WX/B	California
02	KH6O/B	Hawaii
03	JA2IGY	Japan
04	4X6TU/B	Israel
05	OH2B	Finland
06	CT3B	Madeira Island (off NW coast of Africa)
07	ZS6DN/B	South Africa
08	LU4AA	Argentina

Also, at 02, the W6WX beacon broadcasts on 21.150 MHz. At 03, it transmits on 28.200 MHz.

Reports: The DX Foundation is eager to get reception reports. They've even worked up a way for individual stations to best evaluate day-to-day propagation changes. (It's based on assigning numbers to the different power levels and adding up the total you can hear.)

For more information, contact the Northern California DX Foundation, P.O. Box 2368, Stanford, CA 94309. I'd suggest you put "Beacon Info" or some such on the envelope so it will immediately be routed to the beacon manager. You can also request information about the Foundation's other activities (such as DXpedition support and free slide shows).

Happy beaconing!

Patty N6BIS

*******************(cut here)*******************

>There are 9 transmitter sites - in NY, CA, HI, Japan, Israel, Finland,
>Madeira Island, South America and Buenos Aires.
          ^^^^^^^^^^^^^

I think you meant "South Africa" there, unless Buenos Aires has moved and can no longer be considered part of South America. :-)

>==> Also, I'd be very much interested in any other such propagation nets on
>==> other frequencies - or how people generally get "dynamic" propagation
>==> information (ie other than looking at published LUF,MUF charts)

There are about a gizillion 10m beacons, but I'll let someone else discuss them because I don't have the list.

73,
Patty

--

****

Patty Winter N6BIS   INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]   UUCP: {decwrl,nsc,sun}!apple!winter

```
*****************************************************************************


From 1637700722842538408
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,675653629eaf883f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 16:22:09 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!usc!
ucselx!crash!scotto
From: scotto@crash.cts.com (Scott O'Connell)
Newsgroups: rec.ham-radio
Subject: Re: h-t battery pack meltdown!
Message-ID: <3388@crash.cts.com>
Date: 3 Jul 90 19:52:22 GMT
References: <49407@iuvax.cs.indiana.edu> <3944@optilink.UUCP>
Organization: Crash TimeSharing, El Cajon, CA
Lines: 25
Posted: Tue Jul  3 20:52:22 1990

In article <3944@optilink.UUCP> elliott@optilink.UUCP (Paul Elliott x225) writes:
>In article <49407@iuvax.cs.indiana.edu>, commgrp@silver.ucs.indiana.edu (BACS
Data Communications Group) writes:
>>
>
>We (very quickly, believe me) identified the problem, and placed fuses in
>the battery packs.  These worked, but did have a non-zero nuisance failure
>rate.  At this time, the Raychem company was introducing a product called
>the "Polyswitch" (probably t.m.)  This is the equivalent of a self-resetting
>circuit-breaker, or a very sharp-kneed PTC (Positive Temperature Coefficient)
>thermistor.  We had Raychem make a unit that would fit into the battery case,
>and the problem was solved.  I believe that it is still being used.
>
>My recommendation:  Remember that NiCd battery packs contain potentially
>catastrophic quantities of energy.  Protect them against common fault
>conditions.  I personally recommend the Raychem Polyswitch for this
>application. (I have no connection with Raychem).
>
>-- Paul Elliott (wb6cxc)

I know that Alexander Batteries use the Polyswitch in their premium line
of replacement batteries.  I don't know about the others, like W&W, etc.
--
Scott O'Connell - N6ZEK      UUCP: {nosc, hplabs!hp-sdd}!crash!ipars!scotto
                             ARPA: crash!ipars!scotto@nosc.mil
                             INET: scotto@ipars.cts.com


From 5628341719360874213
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c7c565fb8a9405a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 16:22:14 PST
```

```
Path: gmdzi!unido!mcsun!uunet!motcid!svec
From: svec@motcid.UUCP (Larry Svec)
Newsgroups: rec.ham-radio
Subject: Kenwood TS930 PROBLEM
Message-ID: <3822@feldspar2.UUCP>
Date: 3 Jul 90 21:31:55 GMT
Organization: Motorola Inc. - Cellular Infrastructure Div., Arlington Heights, IL
60004
Lines: 23
Posted: Tue Jul  3 22:31:55 1990
Summary:


Kenwood TS930 Problem

(I am posting this for Jim-W9NB but you should direct
 replies either to me or rec.ham-radio)

KENWOOD TS930 PROBLEM
I have been having an intermittent problem with tuning...
the frequency will not change with inputs from the main tuning
control knob.  I can turn off the unit and come back to it later
and the problem disappears!  I have tried touching up through-
holes on the synthesizer board but the problem reappears
about a month later.  Does anyone have any ideas?  The
control processor may be getting into the act.  One friend
suggested I reset when I see the problem.

Thankyou,
Jim-W9NB
--
Larry Svec - KD9OF     (good in 1987 or newer callbooks)
      home: 708-526-1256
      work: 708-632-5259    fax: 708-632-2413, -3741
    e-mail: uunet!motcid!svecl


From 6429530358569741726
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7200e16a7c9014b3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,7200e16a7c9014b3,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-07-03 16:22:28 PST
Path: gmdzi!unido!mcsun!uunet!motcid!svec
From: svec@motcid.UUCP (Larry Svec)
Newsgroups: rec.ham-radio.swap,rec.ham-radio
Subject: COLLINS KWM380 INFO/EQUIPMENT WANTED
Message-ID: <3823@feldspar2.UUCP>
Date: 3 Jul 90 21:33:47 GMT
Organization: Motorola Inc. - Cellular Infrastructure Div., Arlington Heights, IL
60004
Lines: 20
```

Xref: gmdzi rec.ham-radio.swap:490 rec.ham-radio:12596
Posted: Tue Jul 3 22:33:47 1990
Summary:

Wanted- Collins KWM380 info/equipment

(I am posting this for Jim-W9NB but you should direct
replies either to me or rec.ham-radio)

COLLINS KWM380 INFO and EQUIPMENT WANTED
Does anyone know where I can buy or swap modules for
the KWM380? Is there a KWM380 net or club? I have a
speech processor board and need a noise blanker.
Also...
Does anyone have any info on the new modifications for the
KWM380? (I checked mods-database and found nothing)
Thankyou,
Jim-W9NB
--
Larry Svec - KD9OF   (good in 1987 or newer callbooks)
home: 708-526-1256
work: 708-632-5259   fax: 708-632-2413, -3741
e-mail: uunet!motcid!svecl

From -1659911471061106330
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3d4f882d8bca781e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 16:27:07 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!hplabs!hpl-opus!
hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: Technical articles
Message-ID: <1250183@hpnmdla.HP.COM>
Date: 3 Jul 90 16:35:09 GMT
References: <1990Jul2.171915.15192@cbnewsm.att.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 45
Posted: Tue Jul 3 17:35:09 1990

Bob Atkins   KA1GT writes:

> I would make a comment on the ongoing discussion about where "technical"
> articles should appear. I have mixed feelings about specialist publications
>
> <text deleted>
>
> and so would never have been exposed to other aspects of ham radio. It is
> important to try to keep up some presence in the major magazines and not
> relegate articles to QEX or other minority publications.

>
> ----------

Bob,
  I agree that we need to keep technical interests in view of the masses
who don't yet know about them but it seems to me that we will have a hard
time getting both general and in-depth coverage in a single publication
of high circulation. Circulation and the resulting advertisement seems
to buy the pages. It may come down to "how much money does the
'technical amateur community' spend?".
  I'm wondering if we (those of us desiring greater technical content) don't
need to band together a bit and support something. That was my reference to
QEX in a previous posting. I'm not partial to one medium over the other
at the moment, I just think we need to act as a group in support of
something.
  I would love to see QEX (or what ever other forum becomes the main
technical one) become something *other* than a minority publication.
As far as I can tell Paul Rinaldo would too, but I can't speak for him
or the ARRL board.
  I think I may myself be guilty of adding to the problem. The discretionary
money I spend into amateur radio pursuits tends to be for components
and materials rather than products from the main amateur manufacturers.
I'm not sure that my activities pay for many magazine pages. I probably do
pay more attention to QEX "fringe" advertisements than QST glossy ones.
Maybe if enough of us support a coomon forum those "fringes" can support
a significant number of solid technical pages. I hope so anyway.

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From -3539591869540613420
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,654a555df619ed85
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 16:36:45 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Preliminary Agreement on 7 MHz for WARC-92
Message-ID: <7880175@hpfcdc.HP.COM>
Date: 3 Jul 90 23:36:45 GMT
References: <18826@well.sf.ca.us>
Organization: HP Ft. Collins, Co.
Lines: 11
Posted: Wed Jul 4 00:36:45 1990

... and do I hear the deluge of "how to mod" postings coming. I vote for "rec.ham-radio.mods".

:-)

Seriously, this sounds exciting. This 40-meter fossil would really like to be able to fit 3 SSB QSOs into 10Khz, rather than 2. The absence of over-the-pole QRM would make everyone's life easier.

Perry/KF0CA

From -5993880955014723139
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a56ddf7669a45a2b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 18:10:26 PST
Path: gmdzi!unido!mcsun!hp4nl!phigate!philica!geertj
From: geertj@philica.ica.philips.nl (Geert Jan de Groot)
Newsgroups: rec.ham-radio
Subject: Re: Subscribe to QEX ?
Message-ID: <621@philica.ica.philips.nl>
Date: 3 Jul 90 21:21:25 GMT
References: <9007011734.AA05107@cmr.ncsl.nist.gov> <42578@apple.Apple.COM>
Reply-To: geertj@ica01.ica.philips.nl (Geert Jan de Groot)
Organization: Philips TDS, Innovation Centre Aachen
Lines: 26
Posted: Tue Jul 3 22:21:25 1990

In article <42578@apple.Apple.COM> kchen@Apple.COM (Kok Chen) writes:
[trouble about subscribing QEX]

Since I have had trouble subscribing QEX, and so far nobody mentioned the address (which took me a month to get), I guess it is appropiate to give some data:

ARRL,   (yep, that address isn't easy to find in Europe, I'd better include it)
225 Main Street, Newington, CT 06111 USA
Phone +1 203 666 1541, FAX +1 203 665 7531

I have had trouble getting the subscription money over to the ARRL. The person who helped me (thanks!) was Chetty Tardette. You might want to contact her for difficult situations (overseas, etc).

Subscription rates:
USA third class mail: member $10, nonmember $20
USA, Canada and Mexico first class mail: member $18, nonmember $28
Elsewhere Airmail: member $38, nonmember $48

I hope this is sufficient. Disclaimer: I am just subscribed to QEX. It took me quite some time to get this info. Maybe it helps others under similar circumstances.

73,
Geert Jan, PE1HZG

From -7270501570110054097
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b3deb4407600ad4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 18:15:25 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!joehol
From: joehol@microsoft.UUCP (Joseph HOLMAN)
Newsgroups: rec.ham-radio
Subject: MIR 2m
Keywords: 2m MIR
Message-ID: <55629@microsoft.UUCP>
Date: 3 Jul 90 22:59:28 GMT
Organization: Microsoft Corp., Redmond WA
Lines: 10
Posted: Tue Jul 3 23:59:28 1990

has anybody communicated w/ MIR lately ?

wondering what times they are likely to be on
the air on 2m ?

joe holman, ka7ldn
microsoft!joehol
joehol@microsoft.uucp

From -1179460661792432038
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a56ddf7669a45a2b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 18:41:44 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!helios.ee.lbl.gov!pasteur!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: Re: Subscribe to QEX ?
Message-ID: <9007050147.AA11422@ti.com>
Date: 4 Jul 90 01:41:44 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 26
Posted: Wed Jul 4 02:41:44 1990
X-Local-Date: 3 Jul 90 18:41:44 PDT

> From: TILDE::"jbloom@uhasun.hartford.edu" "Jon Bloom" 3-JUL-1990 16:00:09.99

```
> Subj:  Re: Subscribe to QEX ?
>
> First thing tomorrow morning, copies of this thread will be posted
> on the main bulletin board in the hall at ARRL.  Maybe that'll wake
> some people up.

Jon,
   Are you the only one from HQ who reads this net?

   It might be interesting if some of the folks there saw some of these
opinions/flames/catterwallling/etc/

   Hope you get a nibble!

73,

 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                        !   "In order to accomplish the
 Bob West WA8YCD               !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM      !    the absurd!"
                               !       -- Miguel de Animo y Jugo
 P. O. Box  863069             !
 Plano Texas 75086             !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===


From 6104477404501978448
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 21:37:01 PST
Path: gmdzi!unido!mcsun!uunet!cos!hqda-ai!media!csense!bote
From: bote@csense.uucp (John Boteler)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <1990Jul4.043701.3457@csense.uucp>
Date: 4 Jul 90 04:37:01 GMT
References: <:6=&.Y-@splut.conmicro.com>
Organization: Common Sense Computing, McLean, VA.
Lines: 20
Posted: Wed Jul  4 05:37:01 1990

From article <:6=&.Y-@splut.conmicro.com>, by jay@splut.conmicro.com (Jay "you
ignorant splut!" Maynard):
> In article <30500577@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>>[I wrote:]
>>> Further, a random kerchunk is no longer illegal, since hams are now only
>
> OK, let's try it from my bedroom with a low-powered handheld, into my
> favorite repeater:

Yes, but none of this has anything to do with 'homebrew repeater controllers'.
```

I'd like to hear more about phil's intelligent 'carrier level' sensing system which decides how strong a signal is and takes appropriate action, whether that is keying a repeater, preventing it from being keyed, or whatever have you.

Phil?

```
--
John Boteler                         {uunet | ka3ovk}!media!csense!bote
NCN NudesLine: 703-241-BARE  --  VOICE only, Touch-Tone (TM) accessible
```

```
From 727543754886691619
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c00160883693e8c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 21:52:05 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: A primer on grounding
Summary: Broadcast quality ground systems
Keywords: Lightning, RF, Grounds
Message-ID: <827@ke4zv.UUCP>
Date: 3 Jul 90 18:18:38 GMT
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Followup-To: Rec.ham-radio
Organization: Gannett Technologies Group
Lines: 123
Posted: Tue Jul  3 19:18:38 1990
References:
```

Grounding Techniques for Radio Installations

by Gary Coffman KE4ZV

There are three main reasons to ground radio equipment.

1. Safety grounding to protect operators from accidental electrical shock.
2. RF grounding to prevent spurious and harmonic radiation and to enhance antenna efficency.
3. Lightning protection.

Each of these require different grounding technique. A careful analysis of the ground methods used is required to determine if all three objectives are met.

Safety grounding is in many ways the easiest criteria to meet. Simply bonding all equipment cabinets to the power company ground with conductors of low resistance and adequate current carrying capacity to blow the circuit breakers will meet safety requirements.

Effective RF grounding is often much harder to achieve. The ground path must not offer any significant impedance at the frequencies of interest. Since the frequencies of interest are often octaves apart, this is challenging. The frequencies of interest are the fundamental frequency of the transmitter, the harmonic frequencies of the transmitter, and any spurious frequencies the transmitter may generate. The latter is usually the toughest.

Grounding for lightning protection is difficult due both to the magnitudes of the voltages and currents involved and to the fact that the lightning waveform is a step function and has considerable RF energy.

Probably the WORST problem one faces in designing an effective grounding system is the prevention of GROUND LOOPS. Ground loops will cause unintended currents to flow in circuitry, often with disasterous effects. Either damage or degraded operation will inevitably be the result of a ground loop.

The best method of securing a good ground for a radio installation is to use a GROUND WINDOW. The ground window technique requires that every cable that enters or leaves the radio room pass through one small area where all ground connections are made.

The power company ground must be bonded to the ground window and surge suppressors such as those marketed by Lightning Protection Associates should be installed in series with the hot wires. Note that simple shunt protectors will not be sufficient to protect the equipment in the event of a direct lightning strike. Series protectors are designed to open the circuit under severe overload.

All coaxial cables must have their shields attached to the ground window and have their inner conductors clamped with an arc cartridge designed to fail shorted. In addition the inner conductor should be fused in a manner that will open the line when the arc cartridge fails.

Telephone cables must enter through the ground window and have their leads clamped with MOVs and arc cartridges that are designed to fail shorted. In addition all leads must be fused in a manner that will open the line when the arc cartridge fails.

Each piece of equipment in the radio room must be attached to the ground window by a wide heavy strap installed so as to be as short and straight as possible. Neatness definitely does not count here. Don't "dress" the ground cable, make it short and direct. Do not "daisy chain" grounds. Make sure that the only path from one piece of equipment to another is via the ground window. This means that interconnecting shielded cables should go from the equipment out to the ground window, have the shield bonded to the ground window, then return to the next piece of equipment. This is the only sure way to prevent circulating ground currents.

Now that every piece of equipment in the radio room is at the same potential as the ground window, the ground window must be brought to true earth ground. This is fairly easy for DC and low frequency AC, just make sure the cable is heavy enough to have the smallest possible voltage drop across it. For RF, inductance and resonance effects must be considered as well as skin effect. A wide flat copper strap that is routed as straight as possible to earth ground is preferred. For maximum lightning protection, the ground strap must never travel upward because the space charge will resist the current flow. Sharp bends will act as single turn inductances and should be avoided. Since a single ground cable will exhibit resonance at certain frequencies due to it's length, several ground cables should be used with each a different length. The lengths should be chosen such that a cable that is near a quarter wavelength at a given frequency will be paralleled by a cable that is near a half wavelength. In practice, several cables varying from the shortest possible length to twice the shortest length should be paralleled so that at least one will present a low impedance at any frequency. Do not coil the longer cables, instead fan them at the center point.

The method used to route cables down the tower will effect the degree of lightning protection achieved. If possible use a plumber's delight type of antenna that is dc grounded to the tower. Route the coax down the inside of the tower, and ground the shield of the coax to the tower at several points. This last will short out the single turn transformer formed by the tower and the shield of the cable. Unless this transformer is shorted, currents flowing in the tower to ground will induce currents in the shield of the coax.

The true ground must be more than a single stake driven into the earth. If the tower is ground mounted, use the base of the tower as the center of the ground field, otherwise drive an eight foot ground rod to form the center point of the ground field. Run radials out from the center of the ground field to a buried loop connecting a series of ground rods separated from each other by no less than eight feet. A minimum of eight rods should be used. If possible, the radials should continue outward for one quarter wavelength at the lowest frequency of operation. If your tower is not ground mounted, bring it's base ground back to the ground window using multiple lengths of cable as discussed above. Do not run a ground cable directly from the isolated tower to the true ground or a ground loop will surely be created that can allow damaging circulating currents to develop.

This all sounds like a lot of work and expense, but field experience has proven that a system like the one described will withstand direct lightning hits without loss of equipment, air time, or lives.

```
From 5490584589609330497
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 22:50:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!usc!zaphod.mps.ohio-
state.edu!swrinde!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <825@ke4zv.UUCP>
Date: 3 Jul 90 13:51:06 GMT
References: <181503@<1990Jun23> <30500577@ux1.cso.uiuc.edu> <:6=&.Y-
@splut.conmicro.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: /etc/MYORG
Lines: 32
Posted: Tue Jul  3 14:51:06 1990

In article <:6=&.Y-@splut.conmicro.com> jay@splut.conmicro.com (Jay "you ignorant
splut!" Maynard) writes:
>In article <30500577@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>>[I wrote:]
>>> Further, a random kerchunk is no longer illegal, since hams are now only
>>> required to ID at the termination of a series of transmissions. For
>>> someone trying to find a hot spot to get into the machine with his
>>> handheld, a series of kerchunks preparatory to IDing is neither illegal
>>              ^^^^^^ ^^ ^^^^^^^^^
>>> nor improper.
>>  ^^^ ^^^^^^^^
>>It is ANNOYING!  Why do you need more that one?  Why do you even need to
>>kerchunk at all?  Just transmit, state your purpose, ID, and let up.
>
[stuff deleted]
>
>Ah, but a series sometimes DOES provide more information, especially
>with the "handheld on the fringe" scenario: you can find out where the
>hot spot is. (No, it's not always where the receiver S-meter peaks, and
>not all radios have S-meters.) The objective is to determine when you're
>likely to get into the repeater; when you find that out, I agree that an
>ID is necessary.
>
OK, I can accept a "this is KA5XXX testing to find the "hot spot" for
my handie scratchie", but repeated and continuing unmodulated kerchunking
followed by BLEEP-BLOOP all day long wears the nerves of monitoring stations
VERY thin. It seems that nearly every operator MUST do this EVERY time
he turns on his radio. You can stand up at club meetings and ASK that
they don't do this, but still it continues day in and day out. The
ONLY thing that seems to stop this kerchunking is to take away the feedback
by going to no squelch tale.

Gary KE4ZV
```

From -7766788164663887425
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3c704f9e17649fb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-03 23:10:45 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!apple!bionet!synoptics!unix!larson
From: larson@unix.SRI.COM (Alan Larson)
Newsgroups: rec.ham-radio
Subject: Re: Starting a car with NiCd's
Message-ID: <13814@unix.SRI.COM>
Date: 4 Jul 90 00:16:05 GMT
References: <30500582@ux1.cso.uiuc.edu>
Reply-To: larson@unix.sri.com (Alan Larson)
Organization: SRI International, Menlo Park, CA
Lines: 18
Posted: Wed Jul 4 01:16:05 1990

In article <30500582@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:

>Has anyone ever tried starting a car with NiCd batteries? If you could
>validly assert that a certain number of cells of a certain size were able
>to start a car (even if they self destructed in the process) that might
>be significant enough to convince some people of the hazard.

Start a car? No. But I have been present for the starting of a Mitsubishi MU-2, which pulls about 2000 amps at 24 volts during the start cycle. It requires spinning the single shaft turbine and the coupled prop up for a suprisingly long time before the engine is ready to run. As I recall, it used wet cell NiCad batteries.

Even the little X sized (slightly larger than D cell) lead acid batteries will give a lot of current. At a trade show, it was claimed that 6 of them would start a car. (Yes, they deliver 100 - 200 amps.)

Alan

From -4417672915213845630
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31a77bf2d31630b2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-04 00:52:43 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!pt.cs.cmu.edu!rochester!kodak!ornitz
From: ornitz@kodak.kodak.com (Barry Ornitz)
Newsgroups: rec.ham-radio
Subject: Conversation with K2EEK, Editor CQ Magazine (Long)
Message-ID: <1990Jul4.041831.24933@kodak.kodak.com>
Date: 4 Jul 90 04:18:31 GMT
Organization: Eastman Kodak Co.
Lines: 225

Posted: Wed Jul 4 05:18:31 1990

After reading a number of replies to my comments about the demise of Ham Radio Magazine and my dissatisfaction with CQ magazine, I decided to call Alan Dorhoffer, K2EEK, the editor of CQ Magazine and ask him to elaborate on the editorial in the June issue of CQ. I felt that Alan's editorial and the message from CQ's publisher, Dick Ross, K2MGA, were quite negative regarding the technical aspect of amateur radio. Quoting a few of their comments:

> CQ for the last 10 1/2 years has worked very hard to carve our a niche among today's amateurs. By todays amateurs, I mean those who are operator oriented and somewhat less technically geared. K2EEK

> But the technicians among us no longer provide the numbers needed to support a monthly magazine of the caliber of Ham Radio. K2MGA

> What changes are we likely to see within the pages of CQ? Probably not too much that you'll notice at first glance other than increased size. K2EEK

> We agreed to the concept of integrating the circulation files of the two magazines, and to the broadening of the editorial scope of CQ to include more technical material, although it was clear that the very highly technical characteristic of the early Ham Radio would not be suitable for the combined audience of CQ and Ham Radio. K2MGA

> There will be no fundamental changes in what has been CQ, right down to the food reviews. K2EEK

> Obviously, we'd like to add more small projects for you to build (and use), and Ham Radio has always had interesting projects for an evening or weekend. K2EEK

These comments are illustrative of the overall tone of CQ after buying out Ham Radio. As someone who loves the technical side of the hobby, I was disgusted that the next three years of my subscription was going to buy a magazine whose editor and publishers felt this way.

At this point, I decided to call Alan, K2EEK, at his office. We spoke for what seemed well over an hour on 6/28 in the afternoon.

I was really quite surprised with some of Alan's comments and asked if I could pass them along to the net, to which he agreed. Alan, unlike the various ARRL officials I have conversed with over the years, was quite articulate while "pulling no punches" with his answers.

The word I would best describe Alan by would be a BUSINESSMAN. CQ magazine is there to make money. Period! While Alan enjoys amateur radio and running the magazine, it is still a business which must be profitable if he is to remain employed. Buying Ham Radio was a business decision based mainly on what the distribution outlet of Ham Radio Bookstore could bring to CQ Communications, Inc. Ham Radio Magazine really was secondary to the decision. Alan felt that Ham Radio Magazine was basically unwanted; the magazine was ailing to begin with, and that CQ would never publish the highly technical articles like Ham Radio did for fear of losing existing CQ readers.

He made this point quite clearly: "the reality is that the world has changed." Ham radio is dominated by the appliance operator and those few technically minded hams left are a small majority. His magazine is there to serve the needs of the masses, not the majority. He added that while CQ might become somewhat more technical, the changes would be very slight.

What was surprising to me was that Alan too mourned the loss of this technical competence in our hobby. He would like to see hams doing more technically challenging projects, but since they are not, CQ will be aimed for the non-technical audience. He said that right now, hams need to learn more about operating procedures, and rules and regulations. Alan lamented the fact that one could pass an amateur exam by passing only the technical questions and missing every question on Rules & Regulations.

I asked Alan about a code-free license and whether he thought it might attract more technical people to the hobby. He answered that it probably would not - that the same percentage of technical people would be hams before and after adding a code-free license. The hobby would certainly grow but it would be basically the same mix of people - only larger. There would be no fundamental shift toward the technical side of the hobby.

{To insert my opinion here, increasing the number of techies might cause some aspects of the hobby, such as digital communications or microwaves, to reach critical mass. Here you need more of the right people, spread across the country. If the larger numbers can be found by keeping the same percentage of a larger total, the effect will be the same as getting just a smaller number of the right folks. However, other problems such as HF and repeater crowding are functions of total numbers. Alan made mention that to keep our government happy, ham radio must create enough jobs and business capital if we are to keep our privileges. We need larger numbers for this.}

I changed the subject back to the needs of the technically oriented ham and what possibilities Alan saw for us. He said that there was always QST, of course, but that the League was also aiming their magazine to the masses and that the masses were NOT technically oriented. He pointed out that QST had several advantages because they were not solely driven by subscriptions and advertiser revenue, and that they were a non-profit publication. Because of this, QST could afford to run an occasional article that would appeal to a specialty audience. CQ could not afford to do this. This is an important point made by several USENET readers. We should continue to encourage the League to run these articles in QST. As someone has pointed out, such articles may attract new people who had not been exposed to the more technical side of the hobby. Alan then said that he felt Wayne (Green) would fold his magazine soon (73). He agreed with me when I commented that I and many other people felt that there was no professional integrity to Wayne's magazine. Alan said that there was a growing trend to produce specialty publications as evidenced on the number of books on packet radio, antennas, QRP, etc. He stated that these were targeted to a specialty audience - something that made them successful. The problem with including more technical articles in CQ was that they would take up room normally given to articles more suited to CQ subscribers. The loss of advertisers because of increasing numbers of "homebrew" construction projects is a moot point. Advertisers have NO worry about hams building their own gear and abandoning commercial rigs. After all, how many of us can build an equivalent to an Icom, Kenwood, or Yaesu transceiver? Or even if we could, how much would the parts cost and where would we find all the necessary test equipment? Commercial ham equipment manufacturers actually want to see experimentation. If the experimenters had not built repeaters from surplus commercial FM gear, or played with OSCAR satellites, we still might be using Gonset Goony-boxes on 2-meter AM and 432 MHz might only be used by a handful of people in VHF contests. The experimenters open up new territory for the rest of the hams; when enough people are using the new technology and there is a demand for equipment, the manufacturers are more than happy to meet that demand. Look at the number of TNC's based on the TAPR design if you want to see a modern example.

Our talking about commercial equipment brought forth some negative comments from me about the equipment reviews in CQ. Alan responded by saying that CQ is not a "Consumers Reports" magazine. He said that even though QST published measured specifications, only a very small number of hams ever understood what the numbers or the intermodulation distortion graphs meant. Alan told me that hams buy equipment based on what other hams are buying - a herd mentality. After all, the major rigs are really quite similar in technical specifications. Want the best rig? Spend the most money! {This is something I do not totally agree with although there is a lot of truth in his statements.} Of course, CQ rates rigs more on operating convenience than actual technical specs.

I pointed out the review of the AEA Iso-Loop as being representative of the type of article that turned me off completely. Alan made it clear that he understood antenna theory fairly well. He said the only reason the model that was reviewed performed so well was that it was very high-Q. Hidden away in the review is the statement that all of the metal connections in the antenna are machined and welded. If the resonant Q is high enough, a small antenna can perform surprisingly well. Of course, it is very expensive to do the machining and welding. Alan and I both wondered how long it would be before this antenna was manufactured using rivets and clamps - and ceased to perform! I told Alan that I felt this point should have been made more prominently in the article. He said if AEA changed their design to lower their manufacturing costs (and seriously degrade the antenna performance), they might consider publishing a follow-up. He also defended the antenna matching unit {?} they reviewed several years ago {Max Com, if memory serves}. This unit was basically a 50 ohm resistor across the dipole center insulator. Paraphrasing his comments: "So what if it is very inefficient. It allows your rig to operate with low SWR on bands that you could not operate on without a tuner." Of course, the unit cost about the same as a tuner. But a tuner requires some adjustments. Me? I use a tuner to match a dipole fed with ladder line. The dummy load is used only when I don't want to radiate a signal!

I then told Alan about my earlier call to Ham Radio where they told me a number of long-time subscribers were indignant about the sale to CQ and had canceled their subscriptions. He replied that he was aware of this although he had seen very few cancellations to date. {There must be more than he cares to admit. CQ now requires you to cancel by mail, sending the subscription labels for both HR and CQ to them for processing.} Alan told me that CQ was happy to cancel anyone's subscription and refund the money for the remainder. He said he wants repeat business and a good reputation; he does not want to make enemies. He reminded me that Skip Tenny, W1NLB, had sold Ham Radio because he wanted to retire, not because the magazine was in dire straits...yet. CQ bought HR mainly for the bookstore business; the gain in subscribers had little to do with the purchase. Alan also mentioned that anyone could choose to have the remainder of their Ham Radio subscription filled by any of the other CQ publications.

Finally, Alan told me of some VERY tentative plans for the future that will definitely be of interest to the technically minded hams. He said that he was considering the publishing of a technical quarterly. This quarterly would be aimed directly at the advanced experimenter. He described it almost as a professional journal, much more refined than QEX but aimed at a similar audience. He said this quarterly would not be sold in newsstands and that he expected a total subscription list of less than ten thousand. While Alan will not say anything definite, he said to expect the first issue late next fall, perhaps in November. I wished him the best of luck with this publication.

After exchanging a few more pleasantries, I said 73 to Alan, K2EEK. He was able to answer virtually all of my questions, but I was certainly not very happy with many of his answers. CQ may add a few more simple construction projects, but will likely never publish a microwave series like Glen Elmore's. The magazine still continues to be directed to the contester and appliance operator. But I must grudgingly admit that the average ham is merely an appliance operator. CQ is a "for profit" business venture, and as such, will not risk losing business to serve the needs of a minority of readers.

So where does this leave me?

I have canceled my subscription to CQ and asked for my money back. No amount of weekend gadget projects can compensate for my complete lack of interest in DXing or contesting.

If CQ comes out with a technical quarterly, I will give it a try. If it is only moderately good, I will support it and try to make it better.

I plan to call my ARRL division director and give him HELL about League advertising that neglects to mention QEX. Your division director is usually much more responsive than League officials in Newington, CT.

I will buy more specialty publications such as the 2nd Antenna Compendium (and the Microwave Handbook if it is EVER finished). I will also buy more RSGB publications.

And finally, I will continue to support the ARRL and QST, especially when they utilize their technical articles to teach beginners. I may even try my hand at writing such an article.

                        73 de Barry, WA4VZQ

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 -----------------
|  ___  ________  |       Dr. Barry L. Ornitz          WA4VZQ
| |  / /       | |  UUCP:  ....rutgers!rochester!kodak!ornitz
| | / /        | |       Eastman Kodak Company
| |< < K O D A K| |       Eastman Chemical Company Research Laboratories
| | \ \        | |       P. O. Box 1972, Building 167B
| |__\ \________| |       Kingsport, TN  37662       615/229-4904
|                 |  INTERNET:   ornitz@kodak.com
 -----------------
```

From 3022252321324973555
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,486f814fdbc020fe
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-04 05:51:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!rochester!rit!cci632!cb
From: cb@cci632.UUCP (Just another hired gun (n2hkd))
Newsgroups: rec.ham-radio
Subject: Re: FM in VHF Contests
Message-ID: <38479@cci632.UUCP>
Date: 3 Jul 90 22:50:32 GMT
References: <9006291408.AA19647@ucsd.edu>
Reply-To: cb@cci632.UUCP (Just another hired gun (n2hkd))
Organization: Ring Ring... The number is
Lines: 24
Posted: Tue Jul 3 23:50:32 1990

After reading some of the comments about fm vhf contesting, I was compelled to say a few words. FM only is not dead here in WNY, Fn02/03/12/13. The local vhf/uhf group has resurrected this mode of operation. As a club they have provide incentive for contacts by providing competion between groups and individuals for FM only competition.
For example I made about 255 QSO's on 2.5 bands FM (my 220 was getting into the local 442.0 machine) and came in an astounding 4th place! (which was embarassing since I came in 3rd the previous year :-).
The local DX club won top honors for the second year in the interclub competion (not bad for bunch of 2m maybe kind of guy :-).

Anyway to make a long story short, those fm contacts do help the club, at least from looking at the January results.

Maybe next year I'll have 4 bands no better have 5 Rich just added 20 more feet to his tower :-).

FM contesting is FUN, thanks Rochester VHF group....

--

email: cb@cci632 or !rochester!kodak!n2hkd!curtis
Curtis Braun, N2HKD, Computronics, PO Box 1002 Fairport NY, 14450

From 3861595372224719629
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed2dd39a7a2df625
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-04 07:12:07 PST
Path: gmdzi!unido!mcsun!uunet!swlabs!jack
From: jack@swlabs.uucp (Jack Bonn)
Newsgroups: rec.ham-radio
Subject: Re: Ham Radio, CQ etc .....
Message-ID: <1990Jul3.225719.16615@swlabs.uucp>
Date: 3 Jul 90 22:57:19 GMT
References: <1990Jun28.183631.18323@cbnewsm.att.com> <1250181@hpnmdla.HP.COM>
<1990Jun30.150812.105@swlabs.uucp> <1990Jul2.171023.14656@cbnewsm.att.com>
Reply-To: jack@swlabs.UUCP (Jack Bonn)
Organization: Software Labs, Ltd.
Lines: 47
Posted: Tue Jul 3 23:57:19 1990

In article <1990Jul2.171023.14656@cbnewsm.att.com> ka1gt@cbnewsm.att.com
(robert.m.atkins) writes:
>
> (quote removed to prevent further flare ups)
>
>The above quote attributed to me (KA1GT) is actually what Glenn said. Please
>be careful in editing.

My mistake. Apologies to both you and Glenn.

>Also, from conversations with HR staff, including
>Skip Tenney, I was under the impression that HR's sale was due to Skip wanting
>to retire and had nothing to do with advertizing revenues. If you have other
>information I would like to know (please quote your sources).

No, I have no such data. Just idle musing. I thought that would be obvious
from the fact that my diatribe ended with the call for a class action suit
against the advertisers who did not place ads in Ham Radio.

Maybe a :-) or two would have helped. :-)

[Sorry to bother the net with this. Both the flame and the reply would
have been better handled by private e-mail, but having been chastised
publicly, it seems that a public reply is in order.]

Now back to the business at hand. What would get us off top dead center
regarding the proposal to publish technical articles here (including
graphics, schematics, etc.). Would uuencoded GIF files do the job? (or

would it be too large?) Is a DOS based reader readily available? Once the DOS based reader is available, the Amiga and X11 people will follow.

Another pertinent question, I think, is whether the authors normally make enough money off their articles that the lack of remuneration would be a deterrent. Or is the payment small enough that it is just a formality that authors would be willing to do without?

I think exposure would be no problem. Already articles from this newsgroup make it onto Fido/Opus, packet (ax.25), and TCP/IP. Hopefully these would too. I think we would then be reaching a good portion of the technically active hams.

Or is the net happier with discussion of ordering pizza over the repeater's phone patch?

--
Jack Bonn, KC1UH, <> Software Labs, Ltd, Box 451, Easton CT 06612
uunet!swlabs!jack (UUCP)
jack@kc1uh   (TCP/IP)
kc1uh@wb1cqo   (AX.25)

From -8634029760961464656
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c1399be9c22b55e7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-04 07:41:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!uunet!swlabs!jack
From: jack@swlabs.uucp (Jack Bonn)
Newsgroups: rec.ham-radio
Subject: Re: oh-oh!
Message-ID: <1990Jul3.222835.16205@swlabs.uucp>
Date: 3 Jul 90 22:28:35 GMT
References: <12709@cadnetix.COM>
Reply-To: jack@swlabs.UUCP (Jack Bonn)
Organization: Software Labs, Ltd.
Lines: 20
Posted: Tue Jul 3 23:28:35 1990

In article <12709@cadnetix.COM> rusty@cadnetix.COM (Rusty Carruth) writes:
>Well, folks, there is a greater than 50-50 chance that I will be
>losing net access Real Soon Now. If mail suddenly bounces when
>sent to me, my apologies, I had absolutely nothing to do with it!
>
>73, and its been a blast! de rusty n7ikq (aka 'Mr Callsign Project')

Well Rusty, I for one have enjoyed your postings. I think you have been a net asset, both regarding the callsign project and with the usenet un-net.

I hope you get net access again soon. I trust that the un-net will be continuing to function.

-Jack
--
Jack Bonn, KC1UH, <> Software Labs, Ltd, Box 451, Easton CT 06612
uunet!swlabs!jack (UUCP)
jack@kc1uh   (TCP/IP)
kc1uh@wb1cqo   (AX.25)

```
From -8713684585227067405
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca98fcff0a6fcb3c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-04 07:58:51 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!
sdd.hp.com!hplabs!hpl-opus!hpnmdla!hpsad!mikew@hpsadpe.HP.COM
From: mikew@hpsadpe.HP.COM (Mike Weihman)
Newsgroups: rec.ham-radio
Subject: Re: What do people use for sweep generators?
Message-ID: <1530046@hpsadpe.HP.COM>
Date: 4 Jul 90 01:10:22 GMT
References: <3478@radio.oakhill.UUCP>
Organization: HP Signal Analysis Division - Rohnert Park, CA
Lines: 19
Posted: Wed Jul  4 02:10:22 1990
```

I don't think you want to hear what I use when I align IFs! (doesn't
everybody have a pair of HP8340Bs and an 8662, 8562, 8753B and 3325 nearby?)

-mike

```
**********************************************************
Mike Weihman                    n1dje:    RACES, CDF-VIP
mikew@hpsadmjw.hp.com
mikew%hpsad@hp-sde.sde.hp.com

Hewlett-Packard Co.             Volunteer firefighter/EMT
Signal Analysis Division        Penngrove Fire Prot. Dist.
1212 Valley House Drive         Penngrove, CA
Rohnert Park, CA 94928
(707)794-4454
**********************************************************
```

```
From 2862250246829331754
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca98fcff0a6fcb3c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-04 09:18:36 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
```

Newsgroups: rec.ham-radio
Subject: Re: What do people use for sweep generators?
Summary: el-cheeso FM IF alignment
Message-ID: <15021@ucsd.Edu>
Date: 4 Jul 90 15:57:00 GMT
References: <3478@radio.oakhill.UUCP> <1530046@hpsadpe.HP.COM>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 24
Posted: Wed Jul 4 16:57:00 1990

Assuming you don't have a tracking generator and coordinated scope, or a broadband noise generator and spectrum analyzer, you can still do a decent job of aligning a mistuned IF in the typical ham FM rig (presumably some other ham has gotten in there and tightened all the screws - IFs rarely need it otherwise!).

Make sure the local oscillators are on freq if you're injecting at the carrier freq, else inject at the IF freq. Be sure to zero the discriminator on this signal.

Peak the IF cans for maximum quieting on a weak signal. Then run a good quieting (but NOT saturated) signal into the radio from a signal generator. Apply FM deviation, and adjust the IF tuning for minimum distortion. Keep increasing the deviation and tweak for minimum crud until you've got the dev up around 30 to 50% above the rated bandwidth of the radio - i.e., 7 or 8 kHz for normal 5 kHz max gear.

You can check for distortion with a scope at the discriminator output, but your ears will probably do a better job. Trust them.

When you're all done, check to make sure that the discriminator idles very near zero on noise. If it doesn't, there's a real good chance that either you screwed up or one of the IF bandpass filters is defective.
     - Brian

From -3557915218722214975
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b642f75bd13ccb06
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109c0d,b642f75bd13ccb06
X-Google-Attributes: gid109c0d,public
X-Google-Thread: 105d97,b642f75bd13ccb06
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-07-04 09:56:40 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!watserv1!watcgl!electro!eric
From: eric@electro.com (Eric)
Newsgroups: misc.forsale,rec.ham-radio,sci.electronics
Subject: Re: Yaesu 757 for sale
Message-ID: <2076@electro.com>
Date: 4 Jul 90 11:31:04 GMT
References: <42053@conexch.UUCP> <861@ssc.UUCP>

Reply-To: eric@electro.UUCP (Eric)
Organization: Electrohome Ltd., Kitchener, ON
Lines: 5
Xref: gmdzi misc.forsale:1731 rec.ham-radio:12611 sci.electronics:7334
Posted: Wed Jul 4 12:31:04 1990

Is anyone in the Waterloo/Toronto/London region interested in a Yaesu 767?
It has all three plug in modules (6m, 2m, 430-440) with about 100 hours on
the rig. Service manual and hand mike are included. aprox $3000
     Eric

From -8957011208160380077
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2f7e5d9f25e521b3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 14bc30,2f7e5d9f25e521b3
X-Google-Attributes: gid14bc30,public
X-Google-ArrivalTime: 1990-07-04 13:35:31 PST
Path: gmdzi!unido!mcsun!ukc!axion!axion.bt.co.uk!bcollins
From: bcollins@axion.bt.co.uk (bill collins)
Newsgroups: rec.ham-radio,rec.shortwave
Subject: Re: Scanner Antenna / Discone / Technical questions (long)
Message-ID: <1990Jul4.172853.22307@axion.bt.co.uk>
Date: 4 Jul 90 17:28:53 GMT
References: <1990Jul3.025821.8189@midway.uchicago.edu>
Sender: news@axion.bt.co.uk
Reply-To: bcollins@axion.bt.co.uk (bill collins)
Organization: British Telecom Research Labs
Lines: 108
Xref: gmdzi rec.ham-radio:12612
Posted: Wed Jul 4 18:28:53 1990

In article <1990Jul3.025821.8189@midway.uchicago.edu>,
gary@ellis.uchicago.edu (gary buchholz) writes:
|> I recently purchased a Discone scanner antenna from (ug) Radio Shack. This

[...]

>
|> Here's the question(s)
|>
|> 1) The "users guide" cliams that the discone recieves 25MHz ->
1.3GHz. So what
|> does this mean? A paper clip can recieve 25MHz - 1.3GHz. Is this hype or
|> does it actually mean something ?
|>
|> 2) The claim is that it has a 1.5 SWR or better across 144,220,440 and 1296
|> MHz. Anyone use the Discone for transmitting ? How well does it work ?
|>
|> 3) I have a handfull of books on antennas but none discuss an antenna quite
|> like the Discone. Can someone tell me qualitatively how this antenna with

|> its double set of 8 radials "works"

Quote from a radio handbook (not sure which one, I only have a copy of the pages relating to discones, log-periodics and helicals to hand):

"The `discone' antenna is a vertically polarised omnidirectional radiator which has very broad-band characteristics and permits a simple, rugged structure. The antenna presents a substantially uniform feedpoint impedance, suitable for direct connection of a coaxial line, over a range of several octaves. Also, the vertical pattern is suitable for ground-wave work over several octaves, the gain varying only slightly over a very wide frequency range.
...

Below the frequency at which the slant height is equal to a free-space quarter wavelength the standing-wave ratio starts to climb, and below a frequency approximately 20 % lower than this the standing-wave ratio climbs very rapidly. This is termed the cutoff frequency of the antenna. By making the slant height approximately equal to a free-space quarter wavelength at the lowest frequency employed (refers out to a diagram), an SWR of less than 1.5 will be obtained throughout the operating range of the antenna."

Unquote.

The essential design of the aerial (sorry, lapsing into English :-)) is, I believe, derived from the biconical, which is a more symetrical aerial. Both are basically vertically-polarised dipoles, but with enormous bandwidth: several octaves instead of about 10% for a standard wire dipole.

```
      ______                                           0.7d
      \    /                                      --------------
       \  /                                             /\
        \/-----------< feed points                     /  \
        /\-----------<                              d /    \
       /  \                                          /      \
      /    \                                        /________\
      ------                                             d

    Biconical                                         Discone

                                            (d=lambda/4 for lowest frequency)
```

Note for discone: Feedpoint is between disc and top of cone, cable and support pole go up the cone.

In its `pure' form, the discone has a sheet disc for the top half, and a hollow cone for the bottom half. This is obviously a substantial aerial to build and keep aloft, so the skeletal form, using rods, is more convenient. However, I would guess that this introduces deviant behavoir in terms of SWR and gain.

Having said that, I am on my second discone, and I find it a really great aerial for use with a wide-band receiver (I've not tried using it for transmitting).

My other wideband aerial is a horizontally-polarised log-periodic array, which is even more wierd in terms of its design, quote from the same source:

"Frequency-independant antennas, of which the `log-periodic' array is an example, are structures that have the same performance at different frequencies by virtue of the fact that the array is self-scaling and has no dimensions that are frequency sensitive. A basic self-scaling structure (refers out to a diagram of a spiral design) is described by angles alone, with no characteristic length. Practical structures of this type are finite in size, thus limiting the frequency-independant behavoir."

|>
|> Thanks
|>   Gary

No problem.

Regards,
     Bill

```
     +-----------------------------------------------------------+
     | Snail Mail : Bill Collins, Dept RT3323,                    |
     |              British Telecom Research Labs,                |
     |              Martlesham Heath, Ipswich, IP5 7RE, UK        |
     | Phone      : +44  473 642760                               |
     | E-mail     : bcollins@axion.bt.co.uk                       |
     |                                                            |
     | Disclaimer : It's MY foot in MY mouth !                    |
     +-----------------------------------------------------------+
```

From 6416637332311037613
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ad7e506e3344886,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-04 13:39:45 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!ncar!umigw!rsmas!eakin
From: eakin@rsmas.miami.edu
Newsgroups: rec.ham-radio
Subject: To John Woods re: Feb. 1985 QST article.
Message-ID: <7862.269208b2@rsmas.miami.edu>
Date: 4 Jul 90 19:18:10 GMT
Lines: 13
Posted: Wed Jul 4 20:18:10 1990

John, I have the Feb. 1985 article that you wanted. If you still need it, please e-mail me so that I can copy it at work & send it to you.

Sorry to post this, mailer keeps bouncing my replies.

73's
Mark

--
C. Mark Eakin
Internet: Eakin@RSMAS.miami.edu
Amateur Radio: N4SYK   Packet Radio: N4SYK@AB4LU.FL.USA.NA
USnail: Univ. of Miami, RSMAS-BLR, 4600 Rickenbacker Cswy. Miami, FL 33149-1098

From -5903931341051274848
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,558ab8c3de92e96b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-04 13:39:54 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio
Subject: Congrats to N4HY
Keywords: AMSAT
Message-ID: <3496@radio.oakhill.UUCP>
Date: 4 Jul 90 19:59:31 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 5
Posted: Wed Jul 4 20:59:31 1990

Congratulations to Bob McGwier for his Technical Excellence award
which he received at Dayton. It's always good to see net people
get their picture in QST.

-Charlie WB4HVD

From 8571953908632747284
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,70aafcd9a269add9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-04 13:40:10 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!ucsd!helios.ee.lbl.gov!pasteur!ucbvax!regent.enet.dec.com!"regent::gettys"
From: regent::gettys@regent.enet.dec.com ("Bob Gettys N1BRM DTN:235-8285 04-Jul-1990 1549")
Newsgroups: rec.ham-radio
Subject: RE: Info-Hams Digest V1 #45
Message-ID: <9007041950.AA17261@decpa.pa.dec.com>
Date: 4 Jul 90 19:50:34 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12

Posted: Wed Jul 4 20:50:34 1990
X-Local-Date: 4 Jul 90 12:50:34 PDT

Hi,

Thanks for the feed of Info-Hams. It has been very useful. I now have direct access to the usenet stuff, so this is no longer needed.

Please remove me from the Info-hams mailings.

Again, Thanks muck

^ that's MUCH

/s/ Bob N1BRM   73's

From -3048043401081311587
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7da7302dcd9253fb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-04 14:58:27 PST
Path: gmdzi!unido!mcsun!sunic!tut!kannel!huopio
From: huopio@kannel.lut.fi (Kauto Huopio)
Newsgroups: rec.ham-radio
Subject: Alinco DJ-500
Message-ID: <HUOPIO.90Jul4231411@kannel.lut.fi>
Date: 5 Jul 90 03:14:11 GMT
Sender: huopio@kannel.lut.fi
Distribution: rec
Organization: Lappeenranta University of Technology, Finland
Lines: 9
Posted: Thu Jul 5 04:14:11 1990
Disclaimer: Opinions expressed below are writers own.
Peruutus: Mielipiteet ovat omiani.

Has anybody any experiences on this? A good buy? Any tecnical problems noted?

--Kauto OH5LFM
--
```
****************** Kauto Huopio (huopio@kannel.lut.fi) **********************
*US Mail: Kauto Huopio, Punkkerikatu 1 A 10, SF-53850 Lappeenranta, Finland *
*WARNING! We have holiday season here, so be patient with my answers..      *
*****************************************************************************
```

From 2421313886538957702
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-04 15:18:23 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!emcard!wa4mei!ke4zv!gary

```
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <828@ke4zv.UUCP>
Date: 4 Jul 90 12:37:30 GMT
References: <30500577@ux1.cso.uiuc.edu> <:6=&.Y-@splut.conmicro.com>
<825@ke4zv.UUCP> <14954@ucsd.Edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: Gannett Technologies Group
Lines: 18
Posted: Wed Jul  4 13:37:30 1990

In article <14954@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>People stop kerchunking the repeater when
>    a) they own radios they trust never to break
>    b) they use a repeater they trust never to break
>    c) you kill them
>    d) the repeater drops off the air so fast they can't hear the kerchunk
>
>Which do YOU think is the most achievable?

c? :-)

>
>(Recall that if you have a real radio, IT won't make any noise when the
>signal comes and goes either, so if the repeater also lacks pinball machine
>noises, it could be kerchunked all day long and nobody'd care.)
>    - Brian

Gary KE4ZV


From -3475497051107358369
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16a30f518fff3dac,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9b5b,16a30f518fff3dac,start
X-Google-Attributes: gidf9b5b,public
X-Google-ArrivalTime: 1990-07-04 16:05:43 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!helios.ee.lbl.gov!nosc!
crash!guhsd000@crash.cts.com
From: guhsd000@crash.cts.com (Paula Ferris)
Newsgroups: rec.ham-radio
Subject: Tower Installation-limited space
Message-ID: <3403@crash.cts.com>
Date: 4 Jul 90 21:15:53 GMT
Sender: root@crash.cts.com
Organization: HALE Telecommunications, San Diego
Lines: 22
Posted: Wed Jul  4 22:15:53 1990
X-Local-Date: 4 Jul 90 14:15:53 PDT
```

Problem: I recently got a 80 foot crank up tower for a very good price, and it's in good condition, and I don't want to get rid of it. Space is the main problem, there are not alot of areas I can put it in and guy it without using the good space we do have. What I wanted to do is stand it off the house (2 stories) and oppose the open side with 2 guy lines on the first 20 foot section.

Her Royalness didn't like the idea, and took one look at it and said put an ad in the paper. I'd hate myself later, no way in the next 20 years could I beat the price I paid.

Possible Solution: Free standing it on a 20" x 20" x 7' deep cement base, fully renforced, with the mounts welded to the re-bar frame. I figrued depth was more important than bulk, and the ARRL seemed to back this up, but the problem is there is no room for wires if I work this way. I figured that several tons of force would be needed to tear the base out of the ground, but 80 feet can pose alot of leverage. The base can handle it on the tower, and has six 1 inch mounting holes.
I was told, in it's last location, it was free standing.
My area does not get regular high winds or storms, or otherwise weather that would regularly threaten the structure.

From -6421967896072299086
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca98fcff0a6fcb3c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-04 18:02:56 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: What do people use for sweep generators?
Keywords: sweep generators
Message-ID: <169@bongo.UUCP>
Date: 4 Jul 90 04:39:04 GMT
References: <3478@radio.oakhill.UUCP>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 36
Posted: Wed Jul 4 05:39:04 1990

In article <3478@radio.oakhill.UUCP>, charlie@oakhill.UUCP (Charlie Thompson) writes:

>
> When it comes to aligning receiver front ends and other tuned circuits
> a sweep generator seems very useful. Strangely enough, these beasts
> are hard to find at hamfests. What do people do for sweeping i.f.'s
> and front ends? Does anyone remember this apparent lost art?
> Anybody out there have a sweep generator they use regularly that
> would like to comment?
>

Surprisingly I have found "professional" shops tuning up front ends and IFs by ear! But getting a sweep is not tricky. In fact most radio service benches already have the gear sitting there.

This is what you need: A VHF/UHF signal generator with an "external FM" input socket. An Oscilloscope with a sawtooth wave output. If the scope does not have the sawtooth available from a socket, you can get it out with minor surgery.

Now connect the sawtooth output to the FM input of the signal gennie. Feed the DC from the discriminator to the vertical input of the 'scope. Tune the signal gennie to the antenna frequency and adjust the vert horiz sweep until you get the IF waveform on the scope tube. This works like a charm. I used this method 20 years ago, I am sure it still works today. Coupla gotchas, the sawtooth may need amplifying with certain gennie/scope combos. The IF disc pickoff may need a do it yerself diode to rectify it to bung in the vert input of the scope.

This will allow you to tune the front end and IF of a radio in minutes. You can get very good at this and do several receivers an hour.

Have fun.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From 5679936038870140725
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b260e4ab84dd4d4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-30 11:02:22 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: How to deal with TVI
Message-ID: <1250182@hpnmdla.HP.COM>
Date: 29 Jun 90 23:26:29 GMT
References: <1990Jun28.172135.11814@lopez.UUCP>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 31
Posted: Sat Jun 30 00:26:29 1990

> A good ground system is your first line of defense against TVI, so
> let's consider it for a moment. I used to have some terrible TVI
> problems when I first started running power. What worked for 100
> watts was a joke of a ground system that was not effective at 1500.
> Your mileage may vary, but here is what I did...

Could someone please explain to me through what magic a "good ground" can cure/prevent TVI? I have seen this claim many times through the years, sometimes in reputable ham publications, but I believe it to be a total crock.

For one thing, unless your ham shack is sitting right at ground level with a VERY short ground cable, the equipment won't be at RF ground in any case (4 feet is 1/8 wavelength at 30 MHz). On VHF/UHF, where the TV channels are, it's even worse.

For another thing, so what if you COULD get the station equipment right at RF ground potential. It's the antenna that does most of the radiating, if your antenna system is working correctly. If you have VHF/UHF leakage from transmitter or coax cables, grounding them might change the radiation pattern somewhat, but this would be as likely to increase TVI as decrease it, depending on the specific location of ham equipment and TV.

Seems to me that shielding, filtering, and reducing the RF field in the vicinity of the TV set and antenna are the things to try.
Grounding is a red herring.

Al N1AL

From -5359341849507621002
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b642f75bd13ccb06
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109c0d,b642f75bd13ccb06
X-Google-Attributes: gid109c0d,public
X-Google-Thread: 105d97,b642f75bd13ccb06
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-06-30 11:03:02 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!apple!mips!max!crisp
From: crisp@mips.COM (Richard Crisp)
Newsgroups: misc.forsale,rec.ham-radio,sci.electronics
Subject: Re: Books on Early Electronics For Sale
Message-ID: <39820@mips.mips.COM>
Date: 30 Jun 90 05:06:16 GMT
References: <42053@conexch.UUCP> <861@ssc.UUCP>
Sender: news@mips.COM
Reply-To: crisp@mips.COM (Richard Crisp)
Followup-To: misc.forsale
Organization: MIPS Computer Systems, Inc.
Lines: 28
Xref: gmdzi misc.forsale:1712 rec.ham-radio:12521 sci.electronics:7287
Posted: Sat Jun 30 06:06:16 1990

In article <861@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>
>
>When I was at Dayton this year, I saw a book by H.P Maxim (ARRL
>founder) that was a real interesting piece of work. It was a
>bona-fide crackpot tome about using radio to communicate with

>extra-terrestrials! The book detailed some of Maxim's far-out
>philosophy, and was a real eye-opener concerning the "eclectic"
>interests of "our founder."

Many of you may be surprised to learn that Hiram Percy Maxim, son of Sir Hiram Stevens Maxim was also the inventor of the world's first practical firearm silencer. His father, H.S. Maxim was the inventor of the first machine gun. His father's invention saw extensive use in the hands of the Germans in WW1 in the form of the MG08. Son Hiram P's invention was very popular with farmers, ranchers and mobsters until 1934 at which time Federal Law in the US made possession of his inventions and his father's inventions subject to federal registration.

Hiram P's uncle, Hudson Maxim, was the inventor of smokeless gunpowder, the self propelled torpedo, and a number of other explosive devices.

```
--
             Richard Crisp              crisp@mips.com
          MIPS Computer Systems        !decwrl!mips!crisp
           928 Arques MS 2-02           (408) 524-8177
           Sunnyvale, Ca 94086
```

From -6257722562856848149
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6e45b267b81c5197,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-30 11:45:48 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!purdue!bu.edu!xylogics!transfer!crackers!m2c!umvlsi!umaecs!lkay
From: lkay@ecs.umass.edu (Leonard Kay, KB2R (UMass/Amherst))
Newsgroups: rec.ham-radio
Subject: <None>
Message-ID: <10167.268bb501@ecs.umass.edu>
Date: 29 Jun 90 20:07:29 GMT
Lines: 8
Posted: Fri Jun 29 21:07:29 1990

Can anyone help me with a QSL route for ZB2JB? I worked him on a net awhile back and stupidly assumed he'd be in the GO list or the CB. Well, he's not. Any mail appreciated.

```
-------------------------------------------------------------------------
Leonard Kay, KB2R  UMass/Amherst      |  "It's always darkest just
(413)545-4762      lkay@ecs.umass.edu |    before it's totally black"
-------------------------------------------------------------------------
```

From 3825847643993446644
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6bbba2ce43479937,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-06-30 12:10:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!bionet!agate!ucbvax!
CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: Phonetic Alphabet
Message-ID: <9006301031.AA04575@cmr.ncsl.nist.gov>
Date: 30 Jun 90 10:31:19 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 3
Posted: Sat Jun 30 11:31:19 1990

The phonetic alphabet can be found in the ARRL Operating Manual, which has
loads of other useful info. Available by mail, at ham stores, etc.
Bob W3OTC

From -3298459740629561949
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bce5b7fb64356de
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-30 13:50:05 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!news!cartan!ndmath!nstar!w8grt!
jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Making ham radio known
Message-ID: <290.268C0F50@w8grt.fidonet.org>
Date: 30 Jun 90 02:26:12 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 25
Posted: Sat Jun 30 03:26:12 1990

> From: dube@cpdvax.csc.ti.com
> Date: 29 Jun 90 13:34:55 GMT
> Organization: The Internet
> Message-ID: <9006291350.AA09667@ti.com>
> Newsgroups: rec.ham-radio
>
> Somehow, Phil Karn fell off the string in "on the subject of tekkies vs
> politicians". What followed made no connection to the subject. How about
> we leave politics completely off this net so that it doesn't become the
> 313 of computerdom?

That sounds good in theory, but I still have this nagging, haunting fear that
when Phil and the other tekkies finally perfect their phantasmagorical
packeting machinery, the politicians may have made off with all the bands to
use it in.

--

```
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: {ncar!asuvax!stjhmc!,iuvax!ndmath!nstar}!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\          of the Mind and ride the NOS!"
```

```
From 4377128393128433005
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b2bce7ac0ac9783,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,b2bce7ac0ac9783,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-06-30 13:54:06 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!udel!
sbcs!ameristar!rick
From: rick@ameristar.uucp (Rick Spanbauer)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Low cost spectrum analyzers
Message-ID: <1990Jun30.142331.295@ameristar>
Date: 30 Jun 90 14:23:31 GMT
Sender: rick@ameristar (Rick Spanbauer)
Followup-To: sci.electronics
Organization: Ameristar Technology, Inc
Lines: 10
Xref: gmdzi sci.electronics:7293 rec.ham-radio:12528
Posted: Sat Jun 30 15:23:31 1990
```

I am looking for a low cost (< US$10K) spectrum analyzer that covers as much of 10 kHz -> 3 gHz as possible. The two units I've looked at so far are the Tek 2710 and the Hameg box.   Comments on the 2710 in particular would be appreciated, as well as any other units you know of.

Thanks,

Rick Spanbauer, wb2cfv
Ameristar

```
From -2148125250839384245
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc45f70577cde227
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-30 15:03:08 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!usc!apple!
winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: Was How to buy a QSO, 20 M mess, etc...
Message-ID: <42530@apple.Apple.COM>
```

Date: 30 Jun 90 19:18:00 GMT
References: <7880168@hpfcdc.HP.COM> <1990Jun27.144648.11928@cbnewsj.att.com> <42447@apple.Apple.COM> <1774@apctrc.UUCP>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 39
Posted: Sat Jun 30 20:18:00 1990

In article <1774@apctrc.UUCP> zslf0a@gpss5 (Steven L. Farmer) writes:
>In article <42447@apple.Apple.COM> winter@Apple.COM (Patricia Winter) writes:
>>That's where I got the vast majority of my awning DXCC contacts.......
>
>Ok, come clean Patty..... Its common knowledge in contest circles that
>you've been running a stacked, phased, microprocessor controlled *array*
>of awnings on a fully rotatable building.
>
>Why you 'big house' ops keep up this pretense of modesty is beyond me.

Damn--I've been found out!

How did you do it, Steve? Did someone who was visiting the Bay Area drop by my mobile home park and notice the network of coax connecting all the houses and feeding back to a giant antenna switch on my porch?

Did he perhaps take a nighttime aerial photo in which he could see that I had switched on just the right awnings to form an arrow of RF pointed towards Albania??

Oh, well--guess it's time I fessed up. Would you like me to write an article for Ham Radio--er, uh, QST?, er, uh, QEX?, explaining how I built a simple homebrew 68030-based controller to control which awnings are active at any given time?? As long as the cat is out of the bag, we might as well use the opportunity to give people one of the state-of-the-art technical articles they've been clamoring for.

:-) :-) :-)

73,
Patty
--
****
Patty Winter N6BIS   INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]   UUCP: {decwrl,nsc,sun}!apple!winter
****

From 3706937458180493836
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd328fb28f14daa4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-30 20:01:32 PST

Path: gmdzi!unido!mcsun!hp4nl!phigate!philica!geertj
From: geertj@philica.ica.philips.nl (Geert Jan de Groot)
Newsgroups: rec.ham-radio
Subject: Re: Denmark & Holland
Message-ID: <618@philica.ica.philips.nl>
Date: 30 Jun 90 23:06:37 GMT
References: <1990Jun21.044345.21793@cbnewsj.att.com>
Reply-To: geertj@spatel.ica.philips.nl (Geert Jan de Groot)
Organization: Philips TDS, Innovation Centre Aachen
Lines: 71
Posted: Sun Jul 1 00:06:37 1990

[This might be of general interest, so I'd better post. Something for Commonly Asked Questions :-)?]

In article <1990Jun21.044345.21793@cbnewsj.att.com> mea1@cbnewsj.att.com (michael.e.alterman) writes:
>Are there repeaters on 2M and 440 MHz around those countries as there are here,
>and will our current equipment be fine for accessing them, or do they have
>different requirements for access, such as special tones, or different offsets?

2M band runs from 144.0-145.99 in Europe. (so only 2MHz available)
Some interesting frequencies are:
145.200-145.575: FM simplex frequencies. 145.500=general calling frequency, 145.550=moble working frequency.
145.600-145.775: Repeater outputs. Inputs are 600 KHz lower.

Stay out of 144.8-145.0 (beacons), 145.8-146.0 (satelite).
Channel space is 25 KHz, sometimes 12.5 KHz (seldom).
Some countries still have repeaters on 145.8 or 145.825 (and apperently don't care about disrupting satelite services :-(.

Working a repeater:
Don't know the American procedure, but in Europe most things are common:
For most repeaters, you need an oscillator of 1750 Hz to 'open' a repeater. You send a burst of a few seconds, and the repeater will usually send its callsign. Some repeaters are voice controlled, so 1750 Hz isn't required.
Subaudio etc not required, telephone access is never available.
All repeaters are open. Third party traffic forbidden.

70 CM situation is different in every country. For Holland: 70cm runs from 430.0-440.0. Shift is +1.6 MHz, so input on 431.7, output on 430.1. 70cm is not as busy as 2M. If I remember correct, repeaters are from 430.0-430.2. Your best luck is to start on 2M. Note that repeater allocation (as well as frequency allocation, which is the source of all this trouble) is different in every country. Some lack 430-432, some 438-440, some both. Repeater shift is sometimes -1.6 Mhz, sometimes 7.6 (don't know the sign). As said, best start is on 2M.

Please don't take the situations on repeaters as representative for the Ham community. You won't find me at those frequencies, for good reasons.

>Are the operating procedures on VHF/UHF repeaters similar to in the USA?

Don't know the American procedure. Just mention your call (_slowly_, English is a second language for us) and tell what you want.

>Can we obtain directories of repeaters, before we leave home.
Send me your FAX number and I'll see what I can do (lists I have are a little aged, but things don't change much)

>What is the required procedure for reciprocal operating privileges?
Contact for Holland:
Hoofddirectie Telecommunicatie en Post
Directie Operationele Zaken
Postbus 450
9700 AL Groningen
HOLLAND
Telephone: +31 50 22 21 20

You might be late for your application.

73, Geert Jan PE1HZG

```
--8<--nip-nip----------------------------------------------------------------

Geert Jan de Groot,         Email: geertj@ica.philips.nl
Philips ICA,                  ..!hp4nl!philica!geertj
Weisshausstrasse,      Ham: PE1HZG
5100 Aachen, West-Germany

phone: +49 241 6003 714      "Programs are like waffles:
fax:   +49 241 6003 709      you should always throw the first one out"
[Standard disclaimers apply]      - Sutherland
```

```
From -6596107712424975300
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-30 21:59:06 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <30500577@ux1.cso.uiuc.edu>
Date: 1 Jul 90 04:03:00 GMT
References: <181503@<1990Jun23>
Lines: 25
Nf-ID: #R:<1990Jun23:181503:ux1.cso.uiuc.edu:30500577:000:1216
Nf-From: ux1.cso.uiuc.edu!phil    Jun 30 23:03:00 1990
Posted: Sun Jul  1 05:03:00 1990
```

> Further, a random kerchunk is no longer illegal, since hams are now only

```
> required to ID at the termination of a series of transmissions. For
> someone trying to find a hot spot to get into the machine with his
> handheld, a series of kerchunks preparatory to IDing is neither illegal
              ^^^^^^ ^^ ^^^^^^^^^
> nor improper.
  ^^^ ^^^^^^^^
```

It is ANNOYING! Why do you need more that one? Why do you even need to kerchunk at all? Just transmit, state your purpose, ID, and let up.

If you don't normally hear a tail on this repeater, kerchunking isn't going to get you anything anyway, so just listen for someone to answer.

If you do normally hear a tail (either a BEEP or just a noise burst) then you know you got in. If not, you might not have, or was seriously choppy.

If it is a test in and of itself, it is a complete transmission and needs and ID at the end of it, that means when the testing is done, ID it. Since a series of kerchunks give you no more information that ONE does, you only need one, and you need to ID at the end of it.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -1626377102547881649
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,486f814fdbc020fe
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-30 21:59:08 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: FM in VHF Contests
Message-ID: <30500578@ux1.cso.uiuc.edu>
Date: 1 Jul 90 04:15:00 GMT
References: <9006291408.AA19647@ucsd.edu>
Lines: 10
Nf-ID: #R:<9006291408.AA19647@ucsd.edu>:-29:ux1.cso.uiuc.edu:30500578:000:561
Nf-From: ux1.cso.uiuc.edu!phil   Jun 30 23:15:00 1990
Posted: Sun Jul 1 05:15:00 1990

Contesting annoys a lot of people. Maybe if the contesters would voluntarily limit themselves to a portion of the band, the attitudes people have against contesting and contesters would ease up. Maybe the contest promoters could improve the situation. I think I'll hang on to my "new" subscription to CQ just long enough to ask them to make their contests off limits to certain frequencies on all bands.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From -8804354244586658865
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,24492ab7a6fc3c28,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-01 01:09:14 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!maverick.ksu.ksu.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: NJ "Scanner Law" PASSES in Senate!!
Message-ID: <30500580@ux1.cso.uiuc.edu>
Date: 1 Jul 90 04:34:00 GMT
Lines: 95
Nf-ID: #R:<9006292120.AA17957@decpa.pa.dec:-37:ux1.cso.uiuc.edu:30500580:000:4047
Nf-From: ux1.cso.uiuc.edu!phil    Jun 30 23:34:00 1990
Posted: Sun Jul  1 05:34:00 1990
```

```
>     ******************************************
>     IMPORTANT NEWS FOR NEW JERSEY READERS!!!!!
                         ^^^^^^^^^^^^^^^^^^
>     ******************************************
>
> There's good news and bad news... S-305 was PASSED by the New Jersey
> Senate. The bill has been referred to the Assembly Judiciary, Law
> and Public Safety committee. New Jerseyites are just two steps away
                               ^^^^^^^^^^^^^^
> from being able to legally use wideband receivers in their automobiles.
```

Does this bill only exempt residents of New Jersey from the anti-scanner law?

Actually I suspect it is being written to exempt all hams, but the first point I am trying to bring up is that residents of New Jersey are NOT the only people affected by this bill. I want to urge anyone and everyone who has important postings on this to NOT restrict the distribution.

Now, maybe this time you will realize the matter in New Jersey is of a national concern, not just in New Jersey.

> The bad news is that NJ's law enforcement community is complaining
> about the bill. I received a letter from Senator John Lynch (sponsor
> of S-305) urging supporters of the bill "to contact Assemblywoman
> Ford (Chairperson of the Assembly Committee reviewing S-305) to
> press for timely consideration of the bill by her committee and assure
> that the amendments to this legislation do address the legitimate
> concerns of law enforcement groups".

We definitely need to write. And people from out of state can be just as important as people from in state. Remember to mention that without this change in law, for many hams the very act of crossing the New Jersey state line is a violation of state law in New Jersey. It isn't simply a matter of hams doing things like boycotting New Jersey, but rather that because it is a matter of law, we simply cannot go to New Jersey without risking arrest. Of course then our dollars are not spent in New Jersey, are they?

> The address for The Honorable Marlene Lynch Ford is:
>
> 200 Main Street, Suite 2
> Toms River, NJ 08753
> 201-240-2200

Write, even from out of state... ESPECIALLY from out of state.

> Senator Lynch attached a letter to Assemblywoman Lynch from P.O.
> Michael Brunson, chairman of the legislative committee of the NJ
> Police Traffic Officer's Association, urging ammendment of S-305.
> His concerns were:
>
> - persons with the ability to receive police communications
> will interfere with emergency activities.

This seems to reflect an attitude problem on the part of the Police in New Jersey. Notice the word "will". An attitude of the assumption of guilt has no place in law enforcement in any state.

> - they will try to avoid traffic tickets by ascertaining
> the location of patrols.

Again, that nasty word "will". Can someone verify if in fact the word "will" really was used?

> - And "many many more reasons that I could cite you and your
> committee" - though apparently he could not think of
> any at the time he wrote his letter.

I bet these are ficticious.

> I agree with Officer Brunson that anyone who uses a scanner to
> interfere with emergency activities should be ARRESTED. And that is
> exactly what S-305 provides for - misuse of radios is ILLEGAL, possesion
> is LEGAL. I disagree with his second point - having listened to police
> communications for a long time, there is little or nothing that would
> be of any use to speeders.

I agree, as well, about the actual criminal acts... arrest is warranted if they occur.

> I strongly suggest readers WRITE or CALL Assemblywoman Ford TODAY, as
> well as your own assemblywoman.
^^^^^^^^^^^^^^^^^

For those of you from out of state, you need to write to the governor of

New Jersey to make sure this bill is signed. Lou, please get us the proper address to write to.

> Thanks,
> Lou

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -6614863094579249534
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,257b4b7132d66dbb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,257b4b7132d66dbb,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-07-01 02:03:13 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!mips!sgi!shinobu!odin!jeffb@music.asd.sgi.com
From: jeffb@music.asd.sgi.com (Jeffrey Becker)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: RUSSIAN PHRASES FOR AMATEUR RADIO
Message-ID: <9814@odin.corp.sgi.com>
Date: 1 Jul 90 08:15:15 GMT
Sender: news@odin.corp.sgi.com
Organization: Silicon Graphics, Inc., Mountain View, CA
Lines: 43
Xref: gmdzi rec.ham-radio:12534 rec.ham-radio.packet:2440
Posted: Sun Jul 1 09:15:15 1990
Cc: sgi!73147,3073@compuserve.com

I am posting this message for Len. You can e-mail to him at 73147,3073@compuserve.com. Since I am not a ham radio operator, and know very little about this project, please contact him with any questions. Also, please mention where the information you received about this project came from.

---------

RUSSIAN PHRASES FOR AMATEUR RADIO: UPDATE

This is a new 20-page syllabus compiled by W6HJK to help amateurs better communicate with their Soviet colleagues. A 90-minute audio cassette has been added to help with pronunciation. You need not be an expert in Russian, only interested in "trying."

The booklet provides (1) English words and phrases for QSOs, accompanied by (2) the Russian translation and (3) the English transliteration, to assist you in pronouncing the Russian.

The syllabus follows the natural sequence of a QSO. There are additional sections on the Russian alphabet, phonetics, CW characters, numerals, and given names. Suggestions are made for addressing mail to the Soviet Union.

The author undertook this project out of a personal interest in
improving the quality of his QSOs with Soviet hams and to enhance USA-
USSR relations. A nominal cost of $5 ($7 international) for the
booklet, and $6 ($8 international) for the audio cassette, are payable
to the Beyond War Foundation, the original sponsor and an educational
endeavor to build global dialogue and cooperation.

Requests should be sent to: RUSSIAN PHRASES FOR AMATEUR RADIO
Len Traubman, W6HJK
1448 Cedarwood Drive
San Mateo, California 94403, USA
Telephone: 415-574-8303
FAX: 415-573-1217

--

Jeff

From -2370901019190699505
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6bbba2ce43479937
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-01 02:38:44 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: Re: Phonetic Alphabet
Message-ID: <9007010635.AA14746@ti.com>
Date: 1 Jul 90 06:25:29 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Sun Jul 1 07:25:29 1990

From: TILDE::"rc@CMR.NCSL.NIST.GOV" "Robert Carpenter" 30-JUN-1990 12:52:49.16
To: info-hams-incoming
CC:
Subj: Re: Phonetic Alphabet

The phonetic alphabet can be found in the ARRL Operating Manual, which has
loads of other useful info. Available by mail, at ham stores, etc.
Bob W3OTC

From 6975057268465997916
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed2dd39a7a2df625
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-07-01 05:32:51 PST
Path: gmdzi!unido!mcsun!uunet!swlabs!jack
From: jack@swlabs.uucp (Jack Bonn)
Newsgroups: rec.ham-radio
Subject: Re: Ham Radio, CQ etc .....
Message-ID: <1990Jun30.150812.105@swlabs.uucp>
Date: 30 Jun 90 15:08:12 GMT
References: <1990Jun28.183631.18323@cbnewsm.att.com> <1250181@hpnmdla.HP.COM>
Reply-To: jack@swlabs.UUCP (Jack Bonn)
Organization: Software Labs, Ltd.
Lines: 38
Posted: Sat Jun 30 16:08:12 1990

In article <1250181@hpnmdla.HP.COM> glenne@hpnmdla.HP.COM (Glenn Elmore) writes:
>Bob Atkins KA1GT writes:
> I got my copy of CQ like everyone else and I see no particular reason that
> the current advertisers should be particularly helpful to articles of
> more technical depth. QEX at least has some of the "fringe" advertisers.

It seems that the key is the advertisers. HR was driven out of business by the lack of advertising revenue.

It seems that the advertisers have everything to lose by supporting publications which help hams "roll your own". If I were in the business of selling "rice boxes", it would be in my best interest to advertise in a publication that encourages appliance operation. I am not putting my product in competition with the article on the next page describing how something similar can be home brewed. Nor am I trying to sell merchandise to those likely to build it themselves.

If I were the paranoid type (which I am not), I would think that the advertisers may have conspired to drive HR out of business. Any lawyer types out there want to start a class action suit?

OK, :-)

Now back to reality. I think HRs demise is a result of the demographics of the amateur radio population. Until we get a crop of operators that think that there is something more to ham radio than getting a $10 or $20K station and contesting (or DXing), there is little else we can do about big monthly publications.

On the other hand, maybe the net is the perfect choice as a medium geared toward technically oriented hams. We could standardize on .GIF or ORCAD files to describe the circuits and distribute them in multipart articles. Seems a bit like the comp.sources hierarchy here on Usenet.
--
Jack Bonn, KC1UH, <> Software Labs, Ltd, Box 451, Easton CT 06612
uunet!swlabs!jack (UUCP)
jack@kc1uh   (TCP/IP)
kc1uh@wb1cqo   (AX.25)

From -8951009267668111053
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,675653629eaf883f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-01 08:35:46 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: h-t battery pack meltdown!
Message-ID: <49407@iuvax.cs.indiana.edu>
Date: 1 Jul 90 15:05:52 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 18
Posted: Sun Jul 1 16:05:52 1990

Last week, a friend was carrying a large aftermarket NiCd battery pack for an Icom IC-02AT in his pants pocket. He bought something at a store, and dropped the change into the same pocket. A coin shorted the terminals on the top of the battery. The plastic case caught fire, burning a one-inch hole in itself and setting the owner's pants on fire. He escaped injury.

This was NOT an Icom product: Those have internal fuses (tiny wires). I don't know the brand; it was larger than Icom's BP-8.

I heard about a cop whose Motorola radio battery was shorted by loose pistol ammunition in his pocket-- A cartridge fired and the bullet went into his leg.

--

Frank Reid   W9MKV @ K9IU   reid@ucs.indiana.edu

From -2619448314431321130
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed2dd39a7a2df625
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-01 11:40:31 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!mips!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: Ham Radio, CQ etc .....
Message-ID: <42548@apple.Apple.COM>
Date: 1 Jul 90 18:18:33 GMT
References: <1990Jun28.183631.18323@cbnewsm.att.com> <1250181@hpnmdla.HP.COM> <1990Jun30.150812.105@swlabs.uucp>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 41
Posted: Sun Jul 1 19:18:33 1990

jack@swlabs.uucp (Jack Bonn) writes:

>On the other hand, maybe the net is the perfect choice as a medium geared
>toward technically oriented hams. We could standardize on .GIF or ORCAD
>files to describe the circuits and distribute them in multipart articles.
>Seems a bit like the comp.sources hierarchy here on Usenet.

Let's give it a try!

This will not just benefit Usenet, imagine what it will do for the amateur packet world too.

The last time schematic exchange was discussed in sci.electronics, no one agreed on a format and the idea simply died. Some folks wanted CAD readable format, some wanted their IMSAI to be able to display it, and so on and on. Personally, I don't believe we need more than what we get from magazines, for now - i.e., hardcopy diagrams.

There is also an attempt currently by Glenn Reid on finding an interchange format for fancy email (i.e., including diagrams, and fancy fonts) around PostScript. IMHO, even that would work for us. Heck, how about posting a compressed version of PCL, even.

Are us Hams more rational and willing to compromise than the more general sci.electronics community? I myself am willing to barf out code for the Mac or the PC in whatever format the majority agrees on to make this interchange a reality. Since I am with Printing here, I certainly would volunteer to do a "Whatever-to-PostScript" translator and a "Whatever-to-PCL" translator (although someone at HP can do the second job much better than I can :-) for the project.

We can then stop posting ASCII J-poles :-). Someone gonna start with an SWR meter or a Grid-dip meter??? :-) :-) :-)

Perhaps there is a silver lining behind CQ's takeover of HR, afterall; if it will move us collectively to do something.

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From -8411385994836098136
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9dc986dfc93255a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-01 14:42:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!apple!portal!cup.portal.com!wordy
From: wordy@cup.portal.com (Steven K Roberts)
Newsgroups: rec.ham-radio
Subject: the Winnebiko 3's Brain-interface Unit
Message-ID: <31319@cup.portal.com>

Date: 1 Jul 90 18:31:23 GMT
Organization: The Portal System (TM)
Lines: 103
Posted: Sun Jul 1 19:31:23 1990

The Brain Interface Unit (BIU)

by Steven K. Roberts, N4RVE
Nomadic Research Labs
(from Nomadness, issue #9)

This issue's cover photo shows the Grand Turing Machine's bio-controller embedded in its interface shell, linked through visual, aural, and kinesthetic channels to on-board silicon-based systems.

As shown in the photograph, every effort has been made to maximize communication bandwidth with the neuron-based system inside the flesh-shrouded head assembly. A 720 X 280-pixel display presents an apparent graphic overlay upon the system's binocular view of the world, spectrally peaked at 720 nanometers to minimize any ambiguity with reality and adjustable in apparent focus to minimize attention-switching stress. A second visual sub-window is provided by a circular optical reflector mounted on the solar attenuation shield, giving the controller a steerable view of conditions aft. Optional visual attenuation filters are shown installed, softening specular reflections while diverting airflow-borne particulates from the moist and delicate components of the image-acquisition optics.

Both of the rider's aural channels are coupled to transducers that allow transmission into the brain of synthesized human language, long-range bidirectional RF communication with others of the same species, alert messages, or any of a number of complex stereophonic wavefronts selected for relaxation, stimulation, motivation, or subjective time-compression purposes. Note that these transducers are of limited bandwidth, but can be augmented by miniature units inserted directly into the auditory canals, or alternatively by high-power acoustical drivers located behind the entire brain packaging system. Human speech utterances are converted into analog data by an input transducer, and are coupled through the audio network to speech recognition, recording, or communication subsystems as required.

Due to the human visual system's insensitivity to infrared and other useful wavelengths, the BIU incorporates powerful directional parabolic light transmitters, with two different degrees of collimation to accommodate varying road conditions. This has been proven more effective than constraining the beam's axis to that of the bike, since the bio-system is capable of rotating the entire head assembly to center the region of interest in its visual frame of reference (which is not necessarily co-axial with the bike's current physical trajectory). Whenever the system is traversing a region of the planet that is devoid of sunlight, reflections of these beams from landscape features allow real-time decision-based navigation at normal velocities. A future version will reduce power requirements by overlaying an image-intensification system upon the visual field, but this is not a standalone solution (since it is beneficial for other autonomous wetware systems -- especially those piloting petroleum-based land vehicles -- to recognize the presence of the Megacycle and take appropriate evasive action).

The ability of the bio-system to track objects of interest through precise 3-axis positioning of the head assembly enables an additional level of interface with the on-board computer network. Three 40 kHz ultrasonic receivers positioned on the BIU's crown and temples receive a reference beam transmitted from the console. Pitch and yaw angles are derived from raw phase and doppler information, and are used by a dedicated processor to determine precise head pointing angle. This data, in quadrature form, is converted to conventional ADB events and passed to the Mac, yielding an apparent link between the rider's nares and the on-screen cursor. All mouse pointing is done with head movement; clicking and dragging are accomplished via handlebar contact closures antipodal to the data-entry keys associated with the user's phalanges.

The BIU is designed to cushion the relatively delicate host organism upon occurrence of rapid deceleration associated with impact. Should the human system separate from the Megacycle and become launched upon a divergent ballistic trajectory, the twin coiled cables carrying all interface lines will achieve full extension, actuating lanyard-release connectors. This is designed to prevent abrupt cervical misalignment or separation in high-velocity emergency situations.

Wetware temperature rise resulting from the accumulated losses of propulsion workload (exacerbated by the low thermal conductivity of the shock-isolating foam shell, especially under conditions of elevated ambient) can be controlled through a fluid heat exchanger closely coupled to the scalp and thermally pumped by a remote 50 watt Peltier-effect module. Continuous bio-system hydration is managed by the same fluid loop via a small sip tube to be positioned next to the speech output device (which doubles as the input port of the human alimentary tract and twin oxygen-uptake units).

Since the osseocarnisanguineoviscericartilaginonervomedullary system is essentially dependent upon fluid-evaporative cooling (despite significant augmentation by the heat-exchanger), there is potential for heavy accumulation of concentrated saline exudate within the BIU interface layer. This is reduced through an absorptive accumulator that can be manually cleared, as well as a circumferential fluid-removal channel that carries waste coolant back to the occipital region and thence into an overflow tube. These measures insure a minimum of irritation to the delicate ocular membranes under heavy load (the wetware information system, though only dissipating about 10 watts, is unfortunately dependent upon the same metabolic processes that support the bio-engine's fuel, waste, and heat management facilities).

In short, the BIU is the key interface link between the Megacycle and all aspects of its biological host organism. It provides crash safety, cooling, hydration, sweat removal, visual graphics display, luminance attenuation, communication and entertainment audio, a voice control channel, a view of the road behind, a steerable

light source, and a mechanism for hands-free mouse control.
     And I never ride anywhere without it.

From 5118547703724687649
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,654a555df619ed85,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,654a555df619ed85,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-01 14:42:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!usc!apple!well!rh
From: rh@well.sf.ca.us (Robert Horvitz)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Preliminary Agreement on 7 MHz for WARC-92
Keywords: spectrum allocation
Message-ID: <18826@well.sf.ca.us>
Date: 1 Jul 90 19:00:57 GMT
Organization: Association of North American Radio Clubs (ANARC)
Lines: 30
Xref: gmdzi rec.radio.shortwave:1535 rec.ham-radio:12540
Posted: Sun Jul 1 20:00:57 1990

A tentative agreement was reached on June 29th at a meeting of the informal working group concerned with shortwave reallocations at WARC-92. If it sticks, it could resolve the current (suboptimal) situation in which hams in North and South America share part of the 7 MHz band with international broadcasters.

The Industry Advisory Committee working group tentatively agreed to propose to the FCC that hams be allocated 6950-7250 kHz on an exclusive basis worldwide, while broadcasters get 7250-7750 kHz on an exclusive worldwide basis.

There will be a follow-up meeting early in July, and in a few months, the FCC will get together with US Government spectrum users and put together the US positions to take to WARC. So the above proposal is quite preliminary. But it was agreed to rather quickly, and no opposition was voiced within the group (pending successful reaccommodation of certain fixed services).

For in-depth and ongoing coverage of preparations for WARC-92, visit the "Airwaves" conference of Capital Online, a new computer conferencing system based in Washington, DC (202-833-1591; 300/1200/2400 baud, 8-N-1; hit the spacebar and type   preview   at the prompt).
--
%^%
Robert Horvitz   1122-1/2 E St. SE   Washington, DC 20003-2232   USA

rh@well.sf.ca.us ...{apple,pacbell,hplabs,ucbvax}!well!rh

From 3241020514424326025
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79695d9ec93911ac
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-01 15:58:13 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!bridge2!mips!sdd.hp.com!uakari.primate.wisc.edu!pikes!udenva!isis!scicom!zebra!vern
From: vern@zebra.UUCP (Vernon C. Hoxie)
Newsgroups: rec.ham-radio
Subject: Re: Grounding a roof top station.
Message-ID: <211@zebra.UUCP>
Date: 1 Jul 90 12:12:45 GMT
References: <715A27FB513F00008E@NRCNET.NRC.CA>
Reply-To: vern@zebra.UUCP (Vernon C. Hoxie)
Organization: Alpha Science Computer Networks, Denver, Colo.
Lines: 48
Posted: Sun Jul 1 13:12:45 1990

In article <715A27FB513F00008E@NRCNET.NRC.CA> EVERETT@HIARAS.NRC.CA writes:
>Greetings all,
>
>I have a problem that I am sure that another fellow ham must have
>encountered before and perhaps could help me out.
>I operate the University of New Brunswick ARC station located in
>Fredericton, NB, Canada. The station is current in the process of
>relocating its tower and we have a bit of a problem. The station is
>located on the 3rd floor of the EE building with a 50 foot coax run out
>to the antennas. The tower and antennas are located on a wide flat
>(as in none-sloping) roof. It is at least 100 ft to the ground from the
>tower site. As a result there is little we can do to ground the tower.

First, find out from the Facilities Engineering group how the building is protected from lightning. Many buildings use the steel of the building frame or the the reinforcing rods is the building columns. These are supposed to be welded together and connected to a ground plane established before the building was constructed. Otherwise, external grounding cables are run down the outside of the building.

When running grounding cables for lightning protection, consider lightning to run downhill like water. Loops and dips in the grounding wire will fail to usher the lightning bolt to the desired sink. The reasoning in considering that lightning runs downhill is that the extreme voltage gradients present in the atmosphere during lightning activity will also be established in the grounding wire and are a function of the distance above the level of your grounding sink. "Uphill" loops in the grounding wire will have the internal voltage gradient overcome by the more intense lightning field and the conductor will be blocked from carrying the bolt current away from the protected structure, antenna or what have you.

There are also considerations that the 'down wires' can produce side flashes through a building wall if there is a lower voltage path within the building than there is in the lightning grounding wire. All down wire paths should be inspected for possible alternative pathes within the building. If you don' find them, the lightning bolt is sure too.

Check with the Architectural plans for the building you are in and consult with people who are learned in the lightning protection field. Here in the US, our National Fire Protection Association (NFPA) has a separate section of the code addressed specifically to lightning protection which is separate from the normal wiring code.

```
--
Vernon C. Hoxie               {ncar,nbires,boulder,isis}!scicom!zebra!vern
3975 W. 29th Ave.                          voice: 303-477-1780
Denver, Colo., 80212                         TB+     uucp: 303-455-2670
```

```
From 7476776392218189733
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b260e4ab84dd4d4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-01 22:13:12 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!swrinde!emory!
wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: How to deal with TVI
Message-ID: <824@ke4zv.UUCP>
Date: 1 Jul 90 15:26:32 GMT
References: <1990Jun28.172135.11814@lopez.UUCP> <1250182@hpnmdla.HP.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: none
Lines: 52
Posted: Sun Jul  1 16:26:32 1990
```

In article <1250182@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:

```
>
>>   A good ground system is your first line of defense against TVI, so
>>   let's consider it for a moment.  I used to have some terrible TVI
>>   problems when I first started running power.  What worked for 100
>>   watts was a joke of a ground system that was not effective at 1500.
>>   Your mileage may vary, but here is what I did...
>
>----------
>
>Could someone please explain to me through what magic a "good ground"
>can cure/prevent TVI?  I have seen this claim many times through the
>years, sometimes in reputable ham publications, but I believe it to be
>a total crock.
>
>For one thing, unless your ham shack is sitting right at ground level
>with a VERY short ground cable, the equipment won't be at RF ground in
```

>any case (4 feet is 1/8 wavelength at 30 MHz). On VHF/UHF, where the
>TV channels are, it's even worse.
>
>For another thing, so what if you COULD get the station equipment right
>at RF ground potential. It's the antenna that does most of the radiating,
>if your antenna system is working correctly. If you have VHF/UHF leakage
>from transmitter or coax cables, grounding them might change the radiation
>pattern somewhat, but this would be as likely to increase TVI as decrease
>it, depending on the specific location of ham equipment and TV.
>
>Seems to me that shielding, filtering, and reducing the RF field in the
>vicinity of the TV set and antenna are the things to try.
>Grounding is a red herring.
>
>Al N1AL

Ok the reason grounding is necessary is that your transmitter uses single ended unbalanced filters for interstage and output coupling. These filters are the primary method of suppressing out of band radiation. It does no good for these filters to bypass out of band energy to the chassis if the chassis is not at true RF ground. All you get is a "hot" chassis and radiation down the OUTSIDE of your coax.

It is relatively simple to get a good RF ground at your equipment. First, use several ground leads of different lengths between your equipment and your ground system. This breaks up any resonances in your ground leads at the frequencies you are trying to suppress. Second, I like to use the shielded ground trick. I use coax for ground runs with the shield and center connected to ground and only the center connected to the radio. This prevents any ground lead that happens to be at a high impedance at the frequency of interest from radiating. This technique works sucessfully even if your shack is on the second floor as mine is.

Gary KE4ZV

```
From 2482433898469214163
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10fe4c,a9895d73d443a96b
X-Google-Attributes: gid10fe4c,public
X-Google-Thread: 10c9e3,d7d61f608e46bc54,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-02 03:24:20 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: AMSAT News, 6/30/90
Message-ID: <870@ssc.UUCP>
Date: 1 Jul 90 22:00:06 GMT
Organization: very little
Lines: 581
Posted: Sun Jul  1 23:00:06 1990
```

Here it is, for June 30th. This is formatted so that you can upload it directly to packet.

Could anyone uploading this to the packet network send me a note via packet? My address is KT7H @ N7HFZ.WA.USA.NA.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

SB ALL @ AMSAT $ANS-181.01
SPECIAL EVENT STN ON AO-13

HR AMSAT NEWS SERVICE BULLETIN 181.01 FROM AMSAT HQ
SILVER SPRING, MD JUNE 30, 1990
TO ALL RADIO AMATEURS BT

Special Event Station W90ES To Be Heard On AO-13 July 7-12th

Richard Gilbert (W5UMZ) of Clute, TX has informed AMSAT News Service (ANS) that the M.D. Anderson Hospital club station (KK5W) has been made available for operation as a Special Event Station during the Economic Summit to be held in Houston, Texas, July 7-12, 1990. The call KK5W/W90ES has been requested and granted from the FCC for this operation. Operations are planned on all the HF bands and AO-13 Mode B for this period. Amateurs who make a contact with W90ES and wish to receive a beautifully colored certificate that will display the flags of all the countries participating in this Economic Summit should send their QSL card to:

W90ES
M.D. Anderson Cancer Center
1515 Holcombe Blvd.
Houston, TX 77030
/EX
SB ALL @ AMSAT $ANS-181.02
OSCAR FD OPS A MAJOR SUCCESS

HR AMSAT NEWS SERVICE BULLETIN 181.02 FROM AMSAT HQ
SILVER SPRING, MD JUNE 30, 1990
TO ALL RADIO AMATEURS BT

Field Day OSCAR Operations A Major Success

As many radio amateurs ponder last week's Field Day simulated emergency exercise, many a devoted FD operator will exclaim that they made their most contacts on 20M. While others will be inclined to say that 15M was the "hottest" band this year. However, for one day this year, those operating OSCAR stations at FD sites can say that AO-13 and AO-10 sounded, in many ways, like 20M! One operator that was surprised by the enormous activity while participating in FD '90 was AMSAT-NA President Doug Loughmiller (KO5I). Doug reported that he had never heard a day when there was so much activity on the birds. And most of the stations he heard were working from FD sites using emergency power. Another AMSAT stalwart, Jim White (WD0E), reports that he made 77 contacts during the first 2 hours of the Mode B segment from his battery powered FD station. Jim said that just when he thought that Mode B had "dried up," more new stations showed up on Mode JL for him to work. After FD was over, Jim remarked that he wondered why he doesn't hear these stations on the OSCARs more often. Still more reports have come in this week to the AMSAT News Service (ANS) about FD activity. W5IU, N8DUY, W0CY, and N5BF all expressed their satisfaction at working plenty of stations on AO-10 and AO-13 from their FD sites.

More than just a novel thing to do on FD, these satellites display their potential in providing another reliable means to move emergency message traffic out of a disaster area. Many of these FD stations mentioned above were using simple stations set up and operated under "less-than-optimium" conditions in the spirit of the FD event. AMSAT congratulates all those who undertook satellite operations during FD '90. If you didn't think it was worth it to set up an OSCAR station in order to make that one necessary satellite contact for a hundred bonus points for FD, think again. "QRZ FD, this is ...."
/EX
SB ALL @ AMSAT $ANS-181.03
AMSAT-NA BOD SLATE SET

HR AMSAT NEWS SERVICE BULLETIN 181.03 FROM AMSAT HQ
SILVER SPRING, MD JUNE 30, 1990
TO ALL RADIO AMATEURS BT

Eight Candidates Run for Three Seats on the Board-of-Directors For AMSAT-NA

The following slate of Candidates has been nominated to run for the Board-of-Directors. They are:

1) Joe Kasser (G3ZCZ)
2) Jack Crabtree (AA0P)
3) John Champa (K8OCL)
4) Junior De Castro (PY2BJO)
5) Doug Loughmiller (KO5I)
6) Tom Clark (W3IWI)
7) Courtney Duncan (N5BF)
8) Ray Soifer (W2RS)

Ballots will go out in September and the three candidates receiving the most

votes will take their seats on the Board for its Annual Meeting this October at the AMSAT-NA Space Symposium & BOD Annual Meeting. The three elected Board members will serve for a two year period in accordance to the AMSAT-NA Bylaws.
/EX
SB ALL @ AMSAT $ANS-181.04
FIRST CALL FOR PAPERS

HR AMSAT NEWS SERVICE BULLETIN 181.04 FROM AMSAT HQ
SILVER SPRING, MD JUNE 30, 1990
TO ALL RADIO AMATEURS BT

Deadline For Summaries Of Papers For AMSAT Symposium Nears

The AMSAT-NA Space Symposium and Annual Meeting will be held October 19-21, 1990 at the Johnson Space Center (JSC) in Houston, Texas. Coming as it does during a year in which two Shuttle missions were scheduled to carry licensed amateurs, this should be an exciting site for the meeting. With the added attraction of the Center's extensive museum and fascinating tours available, the attendance could easily break all records.

However, in order to have a successful meeting, quality papers must be presented. This announcement is to solicit appropriate papers. The AMSAT-NA Space Symposium, to be held in the JSC Visitors' Center Auditorium, is intended to feature talks on the latest in technology in both the manned and unmanned aspects of the Amateur Space Program. Talks on the MICROSATs and their use, Phase IIID, Phase IV, and SAREX are particularly invited. The session Sunday morning at the Ramada Kings Inn will feature presentations aimed at the beginning satellite users and including those wishing to try their hand with the RS birds, AO-13 and the MICROSATs.

Those wishing to present papers are requested to send summaries to the AMSAT-NA office 850 Sligo Ave., Suite #600 Silver Spring, MD, 20910 by July 15, 1990. Those selected for presentation will be notified by August 1, 1990. Final texts will be due in electronic form, either E-mail or floppy disc, by September 1, 1990. Reproducible figures and photographs will be due at the same time.

Let's make this the best AMSAT-NA Symposium ever. Get your summaries in right away.
/EX
SB ALL @ AMSAT $ANS-181.05
SAREX FULL HOUSE

HR AMSAT NEWS SERVICE BULLETIN 181.05 FROM AMSAT HQ
SILVER SPRING, MD JUNE 30, 1990
TO ALL RADIO AMATEURS BT
STS-37 Mission to have Four Licensed Amateurs Aboard

It appears that when STS-37 is launched there will be a pile-up on both ends of the QSOs. When the crew for STS-37 was chosen, Ken Cameron KA5EWP was the only licensed amateur on the list. Since then, Ken has been very busy promoting amateur radio to his crew. In May, Mission Specialist Jay Apt passed the Technician Class license test. Recently, Ken has upgraded to General Class and Mission Commander Steven Nagel and Mission Specialist Linda Godwin passed the Technician Class. Stay tuned to ANS for further updates on the STS-37 Mission.

Word received just prior to press time is that the space shuttle Atlantis, which was being prepared for a secret military launch shortly, is experiencing the same hydrogen leak problem that caused an indefinite postponement of STS-35. As a result, the entire shuttle fleet has been grounded by NASA until further notice. ANS will provide additional news on the STS-35 Astro-1 Mission as it becomes available.
/EX

SB ALL @ AMSAT $ANS-181.06
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 181.06 FROM AMSAT HQ
SILVER SPRING, MD JUNE 30, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times. Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date UTC	Time	Phs	Mode	NCS	U.S. Day
09 Jul 90	0000	184	B	N5BF	Sunday
16 Jul 90	0115	130	B	N5BF	Sunday
27 Jul 90	0030	130	B	N5BF	Thursday

For information on the amateur satellite program and how you can participate, contact AMSAT-NA at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062, or contact your nearby AMSAT Regional Coordinator listed below. Pick the Regional Area Coordinator nearest you and they can give you a list of AMSAT Area Coordinators who may be closer to where you live.

Drew Deskur, KA1M, 19 Parker Dr. North Reading, MA 01864 508 664-0009
Harry Morton, WB2IBO, 261 N. Chestnut St. Massapequa, NY 11758 516 541-1783
David L Filmer, WB9QPG, Box 2077 West La Fayette, IN 47906 317 497-3007
Ron Curry, WA4GSS, 229 W. Green Hill Rd. Ashland, KY 41101 606 928-6672
Byron Lindsey, W4BIW, 1356 Vista Leaf Dr. Decatur, GA 30033 404 636-7452
Keith Pugh, W5IU, Box 121576 Fort Worth, TX 76121 817 292-5633
Jim McKim, W0CY, 1721 Glen Ave. Salina, KS 67401 913 827-2927
Gar Anderson, K0GA, 5820 Chowen Ave. So. Minneapolis, MN 55410 612 922-1160
Joe Holman, KA7LDN, 22909 N.E. 24th Place Redmond, WA 98052 206 868-1040
David Cowdin, WD0HHU, 8325 S. Yukon St. Littleton, CO 80123 303 972-0648
Gene Davies, AA6NP, 3450 Ben Lomond Pl. Los Angeles, CA 90027 213 937-7942
Bob Gobrick, WA6ERB, 8825 Etcheverry Dr. Tracy, CA 95376 209 836-9160
/EX

SB ALL @ AMSAT $ANS-181.07

AO-13 TRANSPONDER SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 181.07 FROM AMSAT HQ
SILVER SPRING, MD JUNE 30, 1990
TO ALL RADIO AMATEURS BT

Transponder Schedule for AO-13 Effective 05MAY90

The present transponder schedule for AO-13 is as follows:

Mode-B : MA 000 to MA 100
Mode-JL : MA 100 to MA 125
Mode-LS : MA 125 to MA 130 (Mode S Beacon only)
Mode-S : MA 130 to MA 135
Mode-BS : MA 135 to MA 140
Mode-B : MA 140 to MA 256
Omnis : MA 220 to MA 040

Cross mode B and S QSOs are possible during MA 135 to 140.

The current attitude is:

BLON = 179.6 and BLAT = -4.7 for 02 Jul 90

Magnetorquing of AO-13 is scheduled to begin 02Jul90 and will extend for a few days. It can be expected that the transponders will be turned off during the magnetorquing period (which occurs toward the perigee end of the orbit). Once magnetorquing has been completed, BLON is expected to be 210 and BLAT is expected to be 0. Check the PSK, RTTY and CW bulletins on AO-13 beacons (145.813 and 435.651 MHz) for up to the minute Magnetorquing information.

AMSAT-OSCAR-10 appears to be receiving sufficient solar panel illumination to support Mode-B transponder operations, therefore, the transponder is available for general use whenever AO-10 is in view at your location. Please DO NOT use the transponder if the signals are FMing. The current estimate of AO-10's attitude is LON 24 deg LAT -9 deg.
/EX
SB ALL @ AMSAT $ANS-181.08
AO13 TRNSPNDR SKED EXPLAINED

HR AMSAT NEWS SERVICE BULLETIN 181.08 FROM AMSAT HQ
SILVER SPRING, MD JUNE 30, 1990
TO ALL RADIO AMATEURS BT

As a point of explanation, the space industry uses the parameter Mean Anomaly (MA) as a term that describes a satellite's position in its orbit. An orbit of any satellite is broken down into 256 equally spaced (from an angular perspective) segments. Mean Anomaly 000 is the point in the orbit which is closest to the earth (perigee). Mean Anomaly 128 is the point in the orbit which is farthest away from the earth (apogee).

AO-13 can operate in a number of different modes:

```
                   Mode B:  435 MHz uplink  145 MHz Downlink
                   Mode L: 1269 MHz uplink  435 MHz Downlink
                   Mode J:  145 MHz uplink  435 MHz Downlink
                   Mode S:  435 MHz uplink 2400 MHz Downlink
```

In addition, AO-13 has two sets of antennae: High Gain and Omni-directional. Except when noted in the schedule, the High Gain antenna are normally used (they are configured for Right Hand Circular Polarization (RHCP).

The AO-13 Transponder schedule will indicate over what portion of AO-13 's orbit you should expect a particular transponder to be operational.
/EX
SB ALL @ AMSAT $ORBS-181.O
Orbital Elements 181.OSCAR

HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES
FROM N3FKV LORENA, TX   JUNE 30, 1990
TO ALL RADIO AMATEURS BT

```
Satellite: AO-10
Catalog number: 14129
Epoch time:      90177.47365881
Element set:     530
Inclination:       26.0107 deg
RA of node:       197.5005 deg
Eccentricity:    0.5961085
Arg of perigee:   154.3991 deg
Mean anomaly:     254.3150 deg
Mean motion:    2.05881318 rev/day
Decay rate:      -4.10e-07 rev/day^2
Epoch rev:            5292

Satellite: UO-11
Catalog number: 14781
Epoch time:      90179.69452449
Element set:     753
Inclination:       97.9469 deg
RA of node:       231.8719 deg
Eccentricity:    0.0011941
Arg of perigee:   207.5607 deg
Mean anomaly:     152.4938 deg
Mean motion:   14.65453597 rev/day
Decay rate:       9.34e-06 rev/day^2
Epoch rev:           33765

Satellite: RS-10/11
Catalog number: 18129
Epoch time:      90179.90773324
Element set:     238
Inclination:       82.9283 deg
RA of node:       319.8661 deg
```

```
Eccentricity:    0.0013376
Arg of perigee:    87.0326 deg
Mean anomaly:     273.2341 deg
Mean motion:   13.72095330 rev/day
Decay rate:      -5.60e-07 rev/day^2
Epoch rev:           15105

Satellite: AO-13
Catalog number: 19216
Epoch time:      90174.93372292
Element set:     134
Inclination:       56.9983 deg
RA of node:       149.0016 deg
Eccentricity:    0.6976006
Arg of perigee:   229.8967 deg
Mean anomaly:      44.7257 deg
Mean motion:    2.09704096 rev/day
Decay rate:      -1.47e-06 rev/day^2
Epoch rev:            1554

Satellite: FO-20
Catalog number: 20480
Epoch time:      90179.39384981
Element set:      89
Inclination:       99.0362 deg
RA of node:       223.7859 deg
Eccentricity:    0.0541315
Arg of perigee:    23.2217 deg
Mean anomaly:     341.1623 deg
Mean motion:   12.83159377 rev/day
Decay rate:       2.63e-06 rev/day^2
Epoch rev:            1818
/EX
SB ALL @ AMSAT $ORBS-181.D
Orbital Elements 181.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS
FROM N3FKV LORENA, TX      JUNE 30, 1990
TO ALL RADIO AMATEURS BT

Satellite: UO-14
Catalog number: 20437
Epoch time:      90179.87228195
Element set:     170
Inclination:       98.6977 deg
RA of node:       255.9484 deg
Eccentricity:    0.0012719
Arg of perigee:   121.2476 deg
Mean anomaly:     238.9942 deg
Mean motion:   14.28641645 rev/day
Decay rate:      -7.04e-06 rev/day^2
Epoch rev:            2253
```

```
Satellite: AO-16
Catalog number: 20439
Epoch time:      90176.98995664
Element set:      89
Inclination:       98.7039 deg
RA of node:       253.1757 deg
Eccentricity:    0.0012780
Arg of perigee:   126.8009 deg
Mean anomaly:     233.4351 deg
Mean motion:   14.28748649 rev/day
Decay rate:       3.38e-06 rev/day^2
Epoch rev:            2212

Satellite: DO-17
Catalog number: 20440
Epoch time:      90176.98575389
Element set:      92
Inclination:       98.7042 deg
RA of node:       253.1816 deg
Eccentricity:    0.0012826
Arg of perigee:   126.4283 deg
Mean anomaly:     233.8075 deg
Mean motion:   14.28794921 rev/day
Decay rate:       4.31e-06 rev/day^2
Epoch rev:            2212

Satellite: WO-18
Catalog number: 20441
Epoch time:      90176.97428078
Element set:      94
Inclination:       98.7032 deg
RA of node:       253.1910 deg
Eccentricity:    0.0013374
Arg of perigee:   127.5597 deg
Mean anomaly:     232.6799 deg
Mean motion:   14.28891914 rev/day
Decay rate:       2.53e-06 rev/day^2
Epoch rev:            2212

Satellite: LO-19
Catalog number: 20442
Epoch time:      90176.96688536
Element set:      93
Inclination:       98.7032 deg
RA of node:       253.1992 deg
Eccentricity:    0.0013755
Arg of perigee:   127.1591 deg
Mean anomaly:     233.0849 deg
Mean motion:   14.28960542 rev/day
Decay rate:       3.28e-06 rev/day^2
Epoch rev:            2212

/EX
```

```
SB ALL @ AMSAT  $ORBS-181.M
Orbital Elements   181.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES
FROM N3FKV LORENA, TX      JUNE 30, 1990
TO ALL RADIO AMATEURS BT

Satellite: SALYUT 7
Catalog number: 13138
Epoch time:      90179.93561358
Element set:     350
Inclination:       51.6021 deg
RA of node:       244.6918 deg
Eccentricity:    0.0001214
Arg of perigee:   347.8774 deg
Mean anomaly:      12.2286 deg
Mean motion:   15.64971553 rev/day
Decay rate:     3.4529e-04 rev/day^2
Epoch rev:           46669

Satellite: MIR
Catalog number: 16609
Epoch time:      90179.92615156
Element set:     762
Inclination:       51.6130 deg
RA of node:       271.5432 deg
Eccentricity:    0.0011071
Arg of perigee:    86.8472 deg
Mean anomaly:     273.3863 deg
Mean motion:   15.62171774 rev/day
Decay rate:     2.5356e-04 rev/day^2
Epoch rev:           24993

Satellite: HUBBLE
Catalog number: 20580
Epoch time:      90179.73122252
Element set:     109
Inclination:       28.4656 deg
RA of node:       176.1458 deg
Eccentricity:    0.0006074
Arg of perigee:   247.5346 deg
Mean anomaly:     112.4613 deg
Mean motion:   14.84512505 rev/day
Decay rate:      1.136e-05 rev/day^2
Epoch rev:             969

/EX
SB ALL @ AMSAT  $ORBS-181.W
Orbital Elements   181.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM N3FKV LORENA, TX      JUNE 30, 1990
TO ALL RADIO AMATEURS BT
```

```
Satellite: NOAA-9
Catalog number: 15427
Epoch time:      90179.17320586
Element set:     598
Inclination:       99.1681 deg
RA of node:       179.2569 deg
Eccentricity:    0.0014941
Arg of perigee:   342.3271 deg
Mean anomaly:      17.7373 deg
Mean motion:   14.12606048 rev/day
Decay rate:       3.96e-06 rev/day^2
Epoch rev:           28553

Satellite: NOAA-10
Catalog number: 16969
Epoch time:      90179.59119274
Element set:     445
Inclination:       98.5968 deg
RA of node:       207.2805 deg
Eccentricity:    0.0012484
Arg of perigee:   234.8151 deg
Mean anomaly:     125.1831 deg
Mean motion:   14.23647950 rev/day
Decay rate:       3.24e-06 rev/day^2
Epoch rev:           19623

Satellite: MET-2/16
Catalog number: 18312
Epoch time:      90179.68009381
Element set:     447
Inclination:       82.5548 deg
RA of node:       281.1812 deg
Eccentricity:    0.0011050
Arg of perigee:   217.3573 deg
Mean anomaly:     142.6811 deg
Mean motion:   13.83656833 rev/day
Decay rate:       2.19e-06 rev/day^2
Epoch rev:           14457

Satellite: MET-2/17
Catalog number: 18820
Epoch time:      90179.97773829
Element set:     305
Inclination:       82.5437 deg
RA of node:       341.0854 deg
Eccentricity:    0.0015613
Arg of perigee:   294.7073 deg
Mean anomaly:      65.2460 deg
Mean motion:   13.84349124 rev/day
Decay rate:       7.60e-07 rev/day^2
Epoch rev:           12181
```

```
Satellite: MET-3/2
Catalog number: 19336
Epoch time:      90179.28285918
Element set:     514
Inclination:       82.5439 deg
RA of node:       269.5748 deg
Eccentricity:    0.0015832
Arg of perigee:   286.5240 deg
Mean anomaly:      73.4129 deg
Mean motion:   13.16898153 rev/day
Decay rate:       3.91e-06 rev/day^2
Epoch rev:            9241

Satellite: NOAA-11
Catalog number: 19531
Epoch time:      90180.21659523
Element set:     299
Inclination:       98.9819 deg
RA of node:       128.5381 deg
Eccentricity:    0.0011009
Arg of perigee:   248.7381 deg
Mean anomaly:     111.2663 deg
Mean motion:   14.11635539 rev/day
Decay rate:       5.48e-06 rev/day^2
Epoch rev:            9066

Satellite: MET-2/18
Catalog number: 19851
Epoch time:      90179.59100063
Element set:     249
Inclination:       82.5206 deg
RA of node:       219.3696 deg
Eccentricity:    0.0013907
Arg of perigee:   340.2395 deg
Mean anomaly:      19.8228 deg
Mean motion:   13.83985534 rev/day
Decay rate:       1.05e-06 rev/day^2
Epoch rev:            6714

Satellite: MET-3/3
Catalog number: 20305
Epoch time:      90180.07986042
Element set:     156
Inclination:       82.5534 deg
RA of node:       209.6047 deg
Eccentricity:    0.0014766
Arg of perigee:   303.7751 deg
Mean anomaly:      56.1898 deg
Mean motion:   13.15860469 rev/day
Decay rate:       7.00e-08 rev/day^2
Epoch rev:            3251
/EX
```

From -3080101875882209405
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f04297a072ccecfb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-02 08:34:34 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!TUMTUM.CS.UMD.EDU!rbarth
From: rbarth@TUMTUM.CS.UMD.EDU (Richard Barth)
Newsgroups: rec.ham-radio
Subject: Info-Hams Digest V1 #56
Message-ID: <9007021350.AA09323@tumtum.cs.umd.edu>
Date: 2 Jul 90 13:50:59 GMT
References: <9007010930.AA10316@ucsd.edu>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11
Posted: Mon Jul 2 14:50:59 1990

I just picked up a second-hand Bearcat 210 scanner. Elderly, but functional. No documentation, of course. Can anyone provide a Xerox copy of the paper (I'll happily pay costs) or at least some idea of scanning range, possible mods, hints, kinks, etc.?

Any help appreciated.

Richard Barth, W3HWN, rbarth@tumtum.cs.umd.edu
Handicapped Educational Exchange... (301) 593-7033 (TDD & 300 baud ASCII)
                                    (301) 593-7357 (300/1200 baud, 8N1)

From -7942537476091740038
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc26a29aec455a43,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-02 08:36:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!ncar!umigw!rsmas!eakin
From: eakin@rsmas.miami.edu
Newsgroups: rec.ham-radio
Subject: Convert Icom IC255E -> 255A?
Message-ID: <7809.268f0df8@rsmas.miami.edu>
Date: 2 Jul 90 13:03:52 GMT
Lines: 15
Posted: Mon Jul 2 14:03:52 1990

I'm working on trying to repair an Icom IC-255E for use on packet. It has a range fixed at 144-146Mhz. While this will work fine on packet, I'd like to be able to use it for occasional repeater use & most of our repeators are 146+.

Does anyone have information on the modification that separates the 255E from the 255A?

Tnx & 73.

Mark

--
C. Mark Eakin
Internet: Eakin@RSMAS.miami.edu
Amateur Radio: N4SYK   Packet Radio: N4SYK@AB4LU.FL.USA.NA
USnail: Univ. of Miami, RSMAS-BLR, 4600 Rickenbacker Cswy. Miami, FL 33149-1098

From 5475806728441505564
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,18a0f8c21780870a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-02 08:48:55 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: Operation from ZF8
Message-ID: <9007021327.AA05846@cmr.ncsl.nist.gov>
Date: 2 Jul 90 13:27:30 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 10
Posted: Mon Jul 2 14:27:30 1990

Bruce Sawyer enthusiases about Caymanm Brac, etc., etc.

Here's a suggestion: go back there in late October or in November, 1990.
Take a good 6-meter SSB station and at least a 5-el beam.
Work the world. Lots of people on the West Coast, in Europe, etc., need
nearly all the Caribbean countries. For the East Coast, ZF8 has been pretty
common on Es.

Go to it....   73,   Bob   W3OTC

From -6175143049539092l8
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a56ddf7669a45a2b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-02 08:49:01 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Subscribe to QEX ?
Message-ID: <9007011734.AA05107@cmr.ncsl.nist.gov>
Date: 1 Jul 90 17:34:02 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 11

Posted: Sun Jul 1 18:34:02 1990

Glenn Elmore convinced me to subscribe to QEX.

So I've gone to the July 1990 issue of QST to find the subscription info. I've found 11.9 pages of advertising for League publications, BUT NOT ONE SINGLE MENTION OF QEX. Call that pushing the tech interests! OK, many of the publications being pushed ARE technical, at least to some extent.

Can anyone help by telling me the price of QEX?

73, Bob W3OTC

From 3453487813824930804
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,654a555df619ed85
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,654a555df619ed85
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-07-02 09:15:02 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Preliminary Agreement on 7 MHz for WARC-92
Summary: WARC
Keywords: spectrum allocation
Message-ID: <70@thoreau.nsc.com>
Date: 2 Jul 90 12:59:41 GMT
References: <18826@well.sf.ca.us>
Organization: National Semiconductor, S. Portland, Maine
Lines: 2
Xref: gmdzi rec.radio.shortwave:1538 rec.ham-radio:12549
Posted: Mon Jul 2 13:59:41 1990

Do I hear a new list of WARC-rigs comming to the dealers shelves??

From 3783526458252391496
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6fc59f366a52f04f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,6fc59f366a52f04f,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-07-02 09:52:48 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
samsung!crackers!cpoint!frog!john
From: john@frog.UUCP (John Woods)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Looking for February 1985 QST Magazine article
Message-ID: <16169@frog.UUCP>

Date: 2 Jul 90 17:40:00 GMT
Followup-To: poster
Organization: Misanthropes-R-Us
Lines: 9
Xref: gmdzi rec.ham-radio:12550 sci.electronics:7307
Posted: Mon Jul 2 18:40:00 1990

I am looking for a copy of an article in the February 1985 QST magazine
on the topic of a direct digital frequency synthesizer using the TRW
TDC1016B7C8 Video DAC. Also, does anyone have a data sheet for this part?
I'll be more than happy to pay for copies and postage for either.

Thanks,
--
John Woods, Charles River Data Systems, Framingham MA, (508) 626-1101
...!decvax!frog!john, john@frog.UUCP, ...!mit-eddie!jfw, jfw@eddie.mit.edu

From 6890738242836947859
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,991e7f029fc56470,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-02 10:26:51 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!NISD.CAM.UNISYS.COM!doug
From: doug@NISD.CAM.UNISYS.COM (Doug Hardie)
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9007021610.AA06343@KRONOS.NISD.CAM.UNISYS.COM>
Date: 2 Jul 90 16:10:11 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Mon Jul 2 17:10:11 1990

Subject: Re: DTMF decoder chip

As for a simple digital pager circuit, I designed and built a slightly more sophisticated unit several years ago. I was in the process of writing it up when QST published one like it. I don't know the year let alone the month any more. One problem I encountered was due to the skew spec for the decoder chip. My design worked great with a direct path (ht to receiver to decoder). However, repeaters caused problems. Repeaters have low frequency audio filtering that tends to alter the levels of the DTMF tones. Typically, that changes the relative amplitudes such that the tones no longer meet the chip specs. I used some heavy filtering in front of the chip to compensate, however, that significantly reduces the ability of the chip to ingore speach.
I get fairly regular false alarms out of the unit.

-- Doug

From -5984935064477641057
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 103748,908d81c6c54f50a8,start
X-Google-Attributes: gid103748,public
X-Google-ArrivalTime: 1990-07-02 10:32:36 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!helios.ee.lbl.gov!nosc!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <3379@crash.cts.com>
Date: 2 Jul 90 15:36:01 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 38
Posted: Mon Jul 2 16:36:01 1990
X-Local-Date: 2 Jul 90 08:36:01 PDT

brian@ucsd.Edu (Brian Kantor) writes:
>In article <1990Jun26.193308.10963@msuinfo.cl.msu.edu> eddy@jafus.mi.org (Eddy J. Gurney) writes:
>>Knowing what the 850 is
>>capable of, it's one HECKUVA controller, and I can understand why when I talked
>>to them in Dayton, they didn't worry too much about "other repeater control-
>>lers." :-) Seriously, though, there isn't much the 850 can't do.
>
>Except sound like a repeater. Every single machine I've ever heard that
>had one of these things in it sounded like a pinball machine. I'll bet
>the ham who designed it drives a 1959 Buick with 400 pounds of chrome
>tailfins and a push-button automatic transmission.
>
Our repeater group has an 850 running here in Sandy Eggo. While the pinball machine may be descriptive on occation, it is not necessarily the norm.

When you have up to four link/remote bases online, it's very easy to get lost as to which reciever(s) are active and which transmitters are enabled (especially in cross-band operation). The 850 allows no courtesy tones or voice to id the carrier/PL closures. I prefer the tones, low level, low freq and of short duration. I think that a few seconds of hang-time go hand in hand with the voice-delay/kerchunk eliminator lash-up (on 220 anyway due to lack of Commercial surplus equipment). I don't like bursts of white noise, twice on each conversation turn-around on a simple Ker-Chunk repeater. And with the junky (aka SLOW PL decoders) on 220 radios, I think the voice delay is a SLIC way around the problem.

But the 850 is not without some bummer bugs, of which ACC, won't acknowledge, fix, or even tell you of. But that's another story (a long story). Basicly, to each his own. If you have one repeater on a clear (more or less, mostly less here in SoCal) let's have hang-time and telemetry. Zero hang-time for multiple repeater/remote base combinations with duplicate coverage.

****

```
Mike Shirley,  WB6WUI        INET: mikey@pnet03.cts.com
PO Box 460                   ARPA: crash!pnet03!mikey@nosc.mil
Lakeside, CA  92040-0460     UUCP: {hplabs!hp-sdd nosc}!crash!pnet03!mikey
***************************************************************************
```

From -5505599566394083364
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed2dd39a7a2df625
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-02 11:34:03 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: Re: Ham Radio, CQ etc .....
Message-ID: <9007021518.AA07111@ti.com>
Date: 2 Jul 90 14:54:07 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25
Posted: Mon Jul 2 15:54:07 1990

> From: TILDE::"swlabs!jack" "Jack Bonn" 2-JUL-1990 02:29:03.47
> Subj: Re: Ham Radio, CQ etc .....
>
> On the other hand, maybe the net is the perfect choice as a medium geared
> toward technically oriented hams. We could standardize on .GIF or ORCAD
> files to describe the circuits and distribute them in multipart articles.
> Seems a bit like the comp.sources hierarchy here on Usenet.

There are also a <<lot>> of folks out there who have never even heard of this network.

I think the number of hams who either know about or have access to this net is a small minority.

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                          !   "In order to accomplish the
 Bob West WA8YCD                 !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM        !    the absurd!"
                                 !       -- Miguel de Animo y Jugo
 P. O. Box  863069               !
 Plano Texas 75086               !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

From 7325528287675797068
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ba6aaf545f2c8aac,start

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-02 11:49:49 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!
CRDEC7.APGEA.ARMY.MIL!wejones
From: wejones@CRDEC7.APGEA.ARMY.MIL ("William E. Jones III")
Newsgroups: rec.ham-radio
Subject: Battery Pack Meltdown
Message-ID: <9007021333.aa09634@crdec7.apgea.army.mil>
Date: 2 Jul 90 17:33:51 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Mon Jul  2 18:33:51 1990
```

> Last week, a friend was carrying a large aftermarket NiCd battery pack
> for an Icom IC-02AT in his pants pocket. He bought something at a
> store, and dropped the change into the same pocket. A coin shorted
> the terminals on the top of the battery. The plastic case caught
> fire, burning a one-inch hole in itself and setting the owner's pants
> on fire. He escaped injury.

This is not uncommon. A few years back I worked on a project for the Library of Congress, Library for the blind. They had tape recorders with NiCd battery packs which kept going up in smoke (in the faces of the blind users who couldn't see the fire starting). It turned out that some NiCd packs route the + and - through strips of foil separated by only a thin layer of teflon tape. On overload or heavy use, the teflon tape melted resulting in an internal short which would then result in a dramatic meltdown. The interesting implication being that even a momentary external short could cause an internal short which could not be stopped. At that time, the battery pack covers contained a polybromophenol fire retardent which while preventing actual flames, resulted in an extremely unpleasantly smelling smoke.

```
From 1839208121143367551
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,269f38c9744a7a04
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-02 11:51:24 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-
state.edu!mips!twg.com!obelix!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: Re: '89 nissan truck - ignition noise
Message-ID: <7479@gollum.twg.com>
Date: 2 Jul 90 16:32:54 GMT
References: <400023@techsup>
```

Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 18
Posted: Mon Jul 2 17:32:54 1990

In article <400023@techsup> kenb@techsup.UUCP (N5LPI) writes:

>does anyone have experience with ignition noise in nissan
>hardbody pickups? i have a 1989 truck that seems to radiate lots
>of ignition noise. i'm pretty sure that the dc from the battery
>is clean -- i can unhook the antenna from the radio and the noise
>is eliminated. transmit audio is clean with the engine running
>-- receive is clean on very strong signals.
>

I have a 1986 Nissan hardbody and have exactly the same problem. I went through the entire ignition system and cleaned it up--new plug wires, rotor, distributor cap, etc. Then started bonding all the metal with braid. Each step seemed to help a little, but the noise is still there. If anybody knows a good trick to clean up this, I (along with Ken) would surely appreciate any info. I have heard that running the power lead through the primary of a 13v transformer will help, but I haven't tried it yet. In my case, the rig is an Icom 228H.

AA6KX

From -4083917320697465587
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c23f33499569bb90,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-02 12:38:38 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!van-bc!ubc-cs!alberta!dvinci!weyr!ken.evans
From: ken.evans@weyr.FIDONET.ORG (ken evans)
Newsgroups: rec.ham-radio
Subject: Scanners
Message-ID: <716.26908B25@weyr.FIDONET.ORG>
Date: 2 Jul 90 19:38:38 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 12
Posted: Mon Jul 2 20:38:38 1990

I just recently picked up a PRO-2021 scanner and was looking for some modifications for it.I had heard that it's capable of receiving more freg. than it does from the factory.Anybody that has any knowledge of this scanner leave me a message.

THANX
73's
Ken Evans
>>>>>>>>>

--

ken evans - via FidoNet node 1:140/22
UUCP: alberta!dvinci!weyr!ken.evans
Internet: ken.evans@weyr.FIDONET.ORG
Standard Disclaimers Apply...

From 3909659865419643276
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,675653629eaf883f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-02 15:18:17 PST
Path: gmdzi!unido!mcsun!uunet!optilink!elliott
From: elliott@optilink.UUCP (Paul Elliott x225)
Newsgroups: rec.ham-radio
Subject: Re: h-t battery pack meltdown!
Summary: NiCd short-circuit protection, a suggestion
Message-ID: <3944@optilink.UUCP>
Date: 2 Jul 90 20:22:41 GMT
References: <49407@iuvax.cs.indiana.edu>
Organization: Optilink Corporation, Petaluma, CA
Lines: 58
Posted: Mon Jul 2 21:22:41 1990

In article <49407@iuvax.cs.indiana.edu>, commgrp@silver.ucs.indiana.edu (BACS Data Communications Group) writes:
>
> Last week, a friend was carrying a large aftermarket NiCd battery pack
> for an Icom IC-02AT in his pants pocket. He bought something at a
> store, and dropped the change into the same pocket. A coin shorted
> the terminals on the top of the battery. The plastic case caught
> fire, burning a one-inch hole in itself and setting the owner's pants
> on fire. He escaped injury.
>
> This was NOT an Icom product: Those have internal fuses (tiny wires).
> I don't know the brand; it was larger than Icom's BP-8.
>
> I heard about a cop whose Motorola radio battery was shorted by loose
> pistol ammunition in his pocket-- A cartridge fired and the bullet
> went into his leg.

This can easily happen with NiCd battery packs. I will now proceed to relate an anecdote, followed by some suggestions... (nothing up my sleeve)...

Many years ago I was involved in the design of a wireless "auditory trainer", essentially a VHF FM hearing-aid for classroom use. It used an 8-cell NiCd pack. The battery was charged while in the trainer, and we included a diode in the charge path to prevent (catastrophic) discharge if a kid stuck a paper clip into the charging jack. We thought that we had covered all the bases as far as battery safety was concerned...

Well, we received a batch of Tantalum capacitors that tended to short-circuit after some months of use. The battery had a capacitor across it (after the power switch), and, perhaps triggered by the inrush current, the capacitors would short out, start smoking, catch fire, and melt through the plasitc case of the trainer.

Many of the hearing-impaired children who use this equipment have other disabilities as well. One child was confined to a wheelchair, having little or no mobility, with one of our radios strapped to his chest, when the radio proceeded to start smoking, then melting. Fortunately the teacher was able to remove the unit before the child was injured.

We (very quickly, believe me) identified the problem, and placed fuses in the battery packs. These worked, but did have a non-zero nuisance failure rate. At this time, the Raychem company was introducing a product called the "Polyswitch" (probably t.m.) This is the equivalent of a self-resetting circuit-breaker, or a very sharp-kneed PTC (Positive Temperature Coefficient) thermistor. We had Raychem make a unit that would fit into the battery case, and the problem was solved. I believe that it is still being used.

My recommendation: Remember that NiCd battery packs contain potentially catastrophic quantities of energy. Protect them against common fault conditions. I personally recommend the Raychem Polyswitch for this application. (I have no connection with Raychem).

-- Paul Elliott (wb6cxc)

--
Paul M. Elliott   Optilink Corporation   (707) 795-9444
{uunet, pyramid, tekbspa}!optilink!elliott
"an archetypal entity..., superimposed on our culture by a cosmic template."

From 1824008879586735129
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc45f70577cde227
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-02 15:32:44 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!mips!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: Was How to buy a QSO, 20 M mess, etc...
Message-ID: <2778@wyse.wyse.com>
Date: 2 Jul 90 17:16:16 GMT
References: <7880168@hpfcdc.HP.COM> <1990Jun27.144648.11928@cbnewsj.att.com> <42447@apple.Apple.COM> <1774@apctrc.UUCP>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 16
Posted: Mon Jul 2 18:16:16 1990

In article <1774@apctrc.UUCP> zslf0a@gpss5 (Steven L. Farmer) writes:
>In article <42447@apple.Apple.COM> winter@Apple.COM (Patricia Winter) writes:

>>That's where I got the vast majority of my awning DXCC contacts.......
>
>Ok, come clean Patty..... Its common knowledge in contest circles that
>you've been running a stacked, phased, microprocessor controlled *array*
>of awnings on a fully rotatable building.
>
>Why you 'big house' ops keep up this pretense of modesty is beyond me.

I've always wondered what that big metal contraption off of 237 was....

Now I know! And all this time I thought you were doing it with
a single element awning!!

Steve KA6S

From 6348927472899347168
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,89c84da0b91c19a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-02 16:15:05 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!ucsd!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: 20 meter mess
Message-ID: <7880173@hpfcdc.HP.COM>
Date: 2 Jul 90 23:15:05 GMT
References: <329@e2big.enet.dec.com>
Organization: HP Ft. Collins, Co.
Lines: 27
Posted: Tue Jul 3 00:15:05 1990

>I don't think the FCC is going to do anything.

Good attitude.

>I run a pretty powerful station on 313 with an omni pattern. If someone
>wanted to try again to bring order (don't even think about it unless you
>have some power to back up your ideas), I will participate.

I'm afraid this is the unfortunate truth of the matter. The net control
will have to have full power into an omni. It wouldn't hurt if there
were a few other strategically placed backup net controls, such as in
Fla and Cal.

>I will NOT,
>however, be discourteous to ANY operator who signs his call, and that
>includes the barf boys who everyone seems to hate.

This is the right way to operate. It would only increase the chaos to
do otherwise. What is needed is a couple strong stations with the
discipline and skill required to run the net.

>It could be done again.

Maybe after I get my linear built. :-)

Perry/KF0CA

From -4209769220300183802
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed2dd39a7a2df625
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-02 16:44:29 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!ucsd!ucbvax!hplabs!hpfcso!hpfcdc!
perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Ham Radio, CQ etc .....
Message-ID: <7880174@hpfcdc.HP.COM>
Date: 2 Jul 90 23:44:29 GMT
References: <1990Jun28.183631.18323@cbnewsm.att.com>
Organization: HP Ft. Collins, Co.
Lines: 12
Posted: Tue Jul 3 00:44:29 1990

>On the other hand, maybe the net is the perfect choice as a medium geared
>toward technically oriented hams. We could standardize on .GIF or ORCAD
>files to describe the circuits and distribute them in multipart articles.
>Seems a bit like the comp.sources hierarchy here on Usenet.
>--
>Jack Bonn, KC1UH, <> Software Labs, Ltd, Box 451, Easton CT 06612

I think this idea has merit. With the gateways from usenet into packet,
we have everything we need to reach all of hamdom.

Perry/KF0CA

From 9024726928375571696
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,654a555df619ed85
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-02 18:41:45 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-
state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Preliminary Agreement on 7 MHz for
Message-ID: <30500581@ux1.cso.uiuc.edu>
Date: 2 Jul 90 22:32:00 GMT
References: <18826@well.sf.ca.us>

Lines: 21
Nf-ID: #R:well.sf.ca.us:18826:ux1.cso.uiuc.edu:30500581:000:1177
Nf-From: ux1.cso.uiuc.edu!phil   Jul 2 17:32:00 1990
Posted: Mon Jul 2 23:32:00 1990

6950-7000 and 7300-7750 are surely allocated to other services, some of which probably no longer have so much need for this spectrum. But have they been consulted yet?

I am glad to see hams keeping, or getting, 300 khz of spectrum, and am also glad to see an expansion of the SWBC service in the portion of the spectrum. I would hope something like this goes through. We need to support it.

Now the tough parts. Do we just shift the band structure down 50 khz? What about extra class CW ops who's rigs won't go below 7000? Considering that the current band structure is based on the fact that most of the rest of the world has LESS, and if this proposal becomes the new allocation, they will have MORE (the same as the US) then we need to probably redesign the whole structure. I might suggest leaving the extra-only 25 khz righ where it is, and open up 6950-7000 for other things. This will depend greatly also on what other countries want to do. It needs to be done cooperatively once this proposal comes to be.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -4320760366531644309
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3c704f9e17649fb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-02 18:41:52 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Starting a car with NiCd's
Message-ID: <30500582@ux1.cso.uiuc.edu>
Date: 2 Jul 90 22:38:00 GMT
Lines: 19
Nf-ID: #N:ux1.cso.uiuc.edu:30500582:000:974
Nf-From: ux1.cso.uiuc.edu!phil   Jul 2 17:38:00 1990
Posted: Mon Jul 2 23:38:00 1990

Has anyone ever tried starting a car with NiCd batteries? If you could validly assert that a certain number of cells of a certain size were able to start a car (even if they self destructed in the process) that might be significant enough to convince some people of the hazard.

Also, I am curious if anyone has ever tried to charge a regular (but low) car battery from alkaline cells. I would think it would require a number of them in series to get above the car battery voltage. Perhaps 10 D cells in series could, in the course of 1-4 hours, charge a car battery up enough to start it.

Then again, they do make those nifty solar cell battery chargers. They don't have much current, but a big one might get the job done, whereas the little one keeps the battery trickle charged if you don't leave your radio on.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 1296858824182797411
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,afc27f4a37bd086,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-02 18:42:32 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Carrying NiCd packs on airplanes
Message-ID: <30500583@ux1.cso.uiuc.edu>
Date: 2 Jul 90 22:45:00 GMT
Lines: 20
Nf-ID: #N:ux1.cso.uiuc.edu:30500583:000:1032
Nf-From: ux1.cso.uiuc.edu!phil   Jul 2 17:45:00 1990
Posted: Mon Jul 2 23:45:00 1990

Be sure to take EXTRA SPECIAL precautions when carrying NiCd battery packs aboard commercial aircraft. I would not want to see an FAA rule banning them.

I usually take a spare or two battery packs with me when travelling. I cover the open ends with a heavy plastic insulator, usually made from a expired credit card, and then wrap the whole thing in electrical tape to cover the charging terminals and hold the insulator in place so it cannot slide out.

I also do NOT use the insulators Periphex sent with my packs that says "battery may explode if shorted". Even if all the precautions are taken, some security checkpoint person is liable to prohibit them out of ignorance of all the work I did to prevent the problems, if they read that. So I just use a plain credit card plastic insulating tab. Besides, the ones I made fit much better anyway.

FYI, I have Icom HT's.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -4625565269051898772

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c1d3a2bf57e1a96d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,c1d3a2bf57e1a96d,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 114aac,c1d3a2bf57e1a96d,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,c1d3a2bf57e1a96d,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-07-02 19:20:16 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!
zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!iuvax!news!cartan!
ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio.packet,rec.ham-
radio
Subject: Crossposts
Message-ID: <307.268F8B25@w8grt.fidonet.org>
Date: 2 Jul 90 17:55:45 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 11
Xref: gmdzi rec.radio.shortwave:1542 rec.ham-radio.swap:484 rec.ham-
radio.packet:2446 rec.ham-radio:12561
Posted: Mon Jul  2 18:55:45 1990

I apologize to the net for the accidental crossposts that 'escaped' from my
site during the course of reconfiguring software parameters.

--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: {ncar!asuvax!stjhmc!,iuvax!ndmath!nstar}!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\           of the Mind and ride the NOS!"


From 8307247305636827376
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,39738c41a9acc961,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-02 19:41:46 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: 2m antenna in the attic, bad?
Message-ID: <101706@philabs.Philips.Com>
Date: 2 Jul 90 03:05:54 GMT
Sender: news@philabs.Philips.Com
Reply-To: rfc@briar.philips.com.UUCP (Robert Casey)
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 21
```

```
Posted: Mon Jul  2 04:05:54 1990

Got a question: Is it a bad thing to use a 2m antenna in the attic of the
house?  Does the roof and walls of the house attenuate the RF signal greatly?
I had been using an antenna in the attic for packet.  I noticed that my
ability to connect to my local BBS (KD6TH) goes bad in the summertime.
Thought it was tree leaf attenuation.  Someone said to try an outdoor antenna.
So, I did, and it made a big difference.  Even though the outdoor antenna was
one my brother used for his VHF scanner.  A groundplane mounted 5 feet above
the ground, on a pole in the middle of the garden filled with trees and
bushes.  (the pole used to hold a bird feeder!).  Fed by about 50 feet of RG58
mostly buried under the lawn.  This worked better than a DDRR antenna in the
attic (about 20 feet higher than the garden antenna), fed by 40 feet of RG8
coax.  (maybe the DDRR antenna is no good?).

I can see these possibilities:
a) antennas inside the house are a bad idea.
b) maybe the position of the attic antenna happened to be in a null
c) DDRR antennas are poor.

Don't have time to make a scientific test.  Anyone know what is going on?

73 de WA2ISE


From 734914722876289884
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-02 20:11:07 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!sdd.hp.com!zaphod.mps.ohio-state.edu!
wuarchive!swbatl!texbell!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <:6=&.Y-@splut.conmicro.com>
Date: 2 Jul 90 22:14:37 GMT
References: <181503@<1990Jun23> <30500577@ux1.cso.uiuc.edu>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 48
Posted: Mon Jul  2 23:14:37 1990

In article <30500577@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>[I wrote:]
>> Further, a random kerchunk is no longer illegal, since hams are now only
>> required to ID at the termination of a series of transmissions. For
>> someone trying to find a hot spot to get into the machine with his
>> handheld, a series of kerchunks preparatory to IDing is neither illegal
>              ^^^^^^ ^^ ^^^^^^^^^
>> nor improper.
>  ^^^ ^^^^^^^^
>It is ANNOYING!  Why do you need more that one?  Why do you even need to
```

>kerchunk at all? Just transmit, state your purpose, ID, and let up.

OK, let's try it from my bedroom with a low-powered handheld, into my
favorite repeater:
"K5ZC monitoring."
If I haven't found a hot spot yet, all a listener will hear is:
"hisssstorsssss".

Really useful. I probably won't get a response, and have learned
absolutely nothing.

>If you don't normally hear a tail on this repeater, kerchunking isn't
>going to get you anything anyway, so just listen for someone to answer.

How do I know whether it's worth it to move a few inches and try again?

>If you do normally hear a tail (either a BEEP or just a noise burst) then
>you know you got in. If not, you might not have, or was seriously choppy.

...exactly why I feel a hang timer is mandatory.

>If it is a test in and of itself, it is a complete transmission and needs
>and ID at the end of it, that means when the testing is done, ID it. Since
>a series of kerchunks give you no more information that ONE does, you only
>need one, and you need to ID at the end of it.

Ah, but a series sometimes DOES provide more information, especially
with the "handheld on the fringe" scenario: you can find out where the
hot spot is. (No, it's not always where the receiver S-meter peaks, and
not all radios have S-meters.) The objective is to determine when you're
likely to get into the repeater; when you find that out, I agree that an
ID is necessary.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
"It's a hardware bug!" "It's a      +---------------------------------------
software bug!" "It's two...two...two bugs in one!" - _Engineer's Rap_
```

From -8723363942089094375
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a56ddf7669a45a2b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-02 20:35:55 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: Subscribe to QEX ?
Message-ID: <42578@apple.Apple.COM>
Date: 3 Jul 90 01:13:53 GMT
References: <9007011734.AA05107@cmr.ncsl.nist.gov>
Organization: Apple Computer Inc., Cupertino, CA

Lines: 19
Posted: Tue Jul 3 02:13:53 1990

rc@CMR.NCSL.NIST.GOV (Robert Carpenter) writes:

>Glenn Elmore convinced me to subscribe to QEX.
>
>So I've gone to the July 1990 issue of QST to find the subscription info.
>I've found 11.9 pages of advertising for League publications, BUT NOT ONE
>SINGLE MENTION OF QEX. Call that pushing the tech interests! OK, many of the
>publications being pushed ARE technical, at least to some extent.

As a more recent member of the ARRL (< 6 mo.), I received, a few
weeks ago, a literature list of what can be ordered from Newington.
I scanned it over and over and could *not* find QEX.

Unbelievable, eh? Sigh.

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From -6321266466929291039
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6bf425f1d17d86d8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-02 20:42:40 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!rutgers!
bellcore!bellcore-2!envy.bellcore.com!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Your response to N8DGN's QST comments.
Message-ID: <1990Jul3.001810.25301@bellcore-2.bellcore.com>
Date: 3 Jul 90 00:18:10 GMT
References: <9006290354.AA01463@cmr.ncsl.nist.gov>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 27
Posted: Tue Jul 3 01:18:10 1990

In article <9006290354.AA01463@cmr.ncsl.nist.gov>, rc@CMR.NCSL.NIST.GOV
(Robert Carpenter) writes:
the schematics.|> "Nobody ever went broke underestimating the intellect of
|> the American public". Does our national ham society's journal have to
|> follow this rule so closely?

I think this is getting closer to the crux of the problem. The ARRL says
that it is only providing what the members want in QST, and how can
anyone argue with that?

Perhaps. But I think there's also some merit in the position that says that the League, as the primary organization of radio amateurs in the US, should also provide some occasional leadership by exposing its members to new ideas and technologies. It doesn't have to be 100% of QST, but it shouldn't be 0% either. But you'll never know if they'll be interested unless you try. Take a look at CQ-DL (Germany) or CQ (Japan). You don't need to read either German or Japanese to immediately see that neither magazine has anything to do with their American namesake. Just count the schematics!

Consider that American commercial television is also a product of the "we only give 'em what they say they want" philosophy. And consider also that cocaine dealers probably have a similar rationalization...
:-)

Phil

From 4478873402728515148
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bce5b7fb64356de
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-02 20:43:29 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!psuvax1!uwm.edu!cs.utexas.edu!rutgers!bellcore!bellcore-2!envy.bellcore.com!karn
From: karn@envy.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Making ham radio known
Message-ID: <1990Jul3.003959.25393@bellcore-2.bellcore.com>
Date: 3 Jul 90 00:39:59 GMT
References: <290.268C0F50@w8grt.fidonet.org>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com
Organization: Packet Communications Research Group (Bellcore)
Lines: 18
Posted: Tue Jul 3 01:39:59 1990

> Somehow, Phil Karn fell off the string in "on the subject of tekkies vs
> politicians". [...]

Sorry you felt that way. Here's a little quote I discovered last week that expresses my feelings about politics and politicians (including amateur radio politicians) that may do it better.

"La politique et le sort des hommes sont formes par des hommes sans ideal et sans grandeur. Ceux qui ont une grandeur en eux ne font pas de politique."
-Albert Camus

I figure that if I don't give the English translation you may pay more attention to it as you attempt to translate it yourself. Consider this to be akin to the tradition of posting Morse Code phrases to rec.ham-radio.

```
:-)

Phil


From -743537494055390122
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed2dd39a7a2df625
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-02 21:01:02 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!cs.utexas.edu!
rutgers!att!cbnewsm!ka1gt
From: ka1gt@cbnewsm.att.com (robert.m.atkins)
Newsgroups: rec.ham-radio
Subject: Re: Ham Radio, CQ etc .....
Summary: HR sale not due to lack of ads
Message-ID: <1990Jul2.171023.14656@cbnewsm.att.com>
Date: 2 Jul 90 17:10:23 GMT
References: <1990Jun28.183631.18323@cbnewsm.att.com> <1250181@hpnmdla.HP.COM>
<1990Jun30.150812.105@swlabs.uucp>
Organization: AT&T Bell Laboratories
Lines: 22
Posted: Mon Jul  2 18:10:23 1990

In article <1990Jun30.150812.105@swlabs.uucp>, jack@swlabs.uucp (Jack Bonn)
writes:
> In article <1250181@hpnmdla.HP.COM> glenne@hpnmdla.HP.COM (Glenn Elmore) writes:
> >Bob Atkins  KA1GT writes:
> > I got my copy of CQ like everyone else and I see no particular reason that
> > the current advertisers should be particularly helpful to articles of
> > more technical depth. QEX at least has some of the "fringe" advertisers.
>
> It seems that the key is the advertisers.  HR was driven out of business
> by the lack of advertising revenue.
>
>
The above quote attributed to me (KA1GT) is actually what Glenn said. Please
be careful in editing. Also, from conversations with HR staff, including
Skip Tenney, I was under the impression that HR's sale was due to Skip wanting
to retire and had nothing to do with advertizing revenues. If you have other
information I would like to know (please quote your sources). The only way
to get your money out of a buisness if you want to retire is to sell it. There
are not many buyers out there for ham radio publications. I'm sorry HR had to
be sold, but Skip did a good job for many years and I would not blame hime
for doing what he did.

                            Bob Atkins  KA1GT


From 2683729964404067819
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61b38504f909074a
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1990-07-02 21:10:50 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!uflorida!mephisto!ncsuvx!mcnc!decvax.dec.com!deccrl!halbert
From: halbert@crl.dec.com (Dan Halbert)
Newsgroups: rec.ham-radio
Subject: Re: Remotely Tuned HF Beam Antenna
Message-ID: <1990Jul2.162951.10999@crl.dec.com>
Date: 2 Jul 90 16:29:51 GMT
References: <3028@sunpix.East.Sun.COM>
Sender: news@crl.dec.com (USENET News System)
Reply-To: halbert@crl.dec.com
Organization: DEC Cambridge Research Lab
Lines: 27
Posted: Mon Jul 2 17:29:51 1990

In article <3028@sunpix.East.Sun.COM>, gb@sunpix.East.Sun.COM (Gary Bishop - Sun Visualization Products) writes:

>The plan is to put up a three element beam cut for 20 meters. At the
>center of each beam element there will be a tuning unit with a
>variable capacitor that can be controlled from the shack. By tuning
>the elements it should be possible to achieve optimum operation (gain
>or fb ratio, not both simultaneously) on any frequency on the band.

G6XN in his book "HF antennas for all locations" discusses simple beam reversing schemes using relays that short out capacitors in the centers of elements. I'd guess a similar technique could be used to vary the capacitance for the kind of beam you're talking about. A stepping relay with a few caps could be used. For just one band, I don't think the fine control you would get would really be that noticeable. A few coarser adjustments would probably suffice.

>If the tuning unit has sufficient range, it should be possible to
>operate the beam on 20, 17, 15, 12, and 10M by retuning the elements
>for proper resonance. The antenna would have increasing gain as
>frequency is increased.

As an existence proof of something easier, Austin Custom Antennas has some multi-band beams fed with open-wire line. You can do the tuning in the shack.

--Dan, KB1RT

From -2389376703961318073
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3c704f9e17649fb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-07-02 21:12:34 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio

Subject: Re: Starting a car with NiCd's
Message-ID: <49599@iuvax.cs.indiana.edu>
Date: 3 Jul 90 03:35:34 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 23
Posted: Tue Jul 3 04:35:34 1990

phil@ux1.cso.uiuc.edu (Phil Howard, KA9WGN) writes:

>Has anyone ever tried starting a car with NiCd batteries? If you
>could validly assert that a certain number of cells of a certain size
>were able to start a car (even if they self destructed in the
>process) that might be significant enough to convince some people of
>the hazard...

In the '60s there were LOTS of wet-cell NiCd batteries available, surplus from obsolete Nike Ajax surface-to-air missiles. Their energy density was somewhat less than that of modern NiCd's, but they could supply enormous current for a short time. I went caving with some guys who used those to power their lights. Their Volkswagen's 6-volt battery was dead when it was time to go home. We were wet, and it was well below freezing. As our clothes began to solidify, we disconnected the car battery, paralleled two (partially discharged) 6v surplus NiCd batteries, connected them to the car, and the engine started! NiCd's work better than lead-acid at low temperature. It didn't seem to hurt the batteries.

--

Frank Reid   W9MKV   NSS 9086   reid@ucs.indiana.edu

From -5309792263672011943
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c9a62cea82f08bb8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 14bc30,c9a62cea82f08bb8,start
X-Google-Attributes: gid14bc30,public
X-Google-ArrivalTime: 1990-07-02 21:33:36 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!elroy.jpl.nasa.gov!ncar!midway!gary
From: gary@ellis.uchicago.edu (gary buchholz)
Newsgroups: rec.ham-radio,rec.shortwave
Subject: Worldwide network of HF propagation beacons. . .
Message-ID: <1990Jul3.030049.8312@midway.uchicago.edu>
Date: 3 Jul 90 03:00:49 GMT
Sender: gary@midway.uchicago.edu (gary buchholz)
Organization: University of Chicago Computing Organizations
Lines: 25
Xref: gmdzi rec.ham-radio:12570
Posted: Tue Jul 3 04:00:49 1990

I picked up a copy of the ARRL Operating Manual(copyright 1988). On page 2-17 there is some discussion of the NCDXF worldwide propagation beacon network on 14.100 MHz.

There are 9 transmitter sites - in NY, CA, HI, Japan, Israel, Finland,
Madeira Island, South America and Buenos Aires. These stations signon
and transmit for 1 minute each on power of 100 watts down to 1/10 watt.
Each station takes its turn - 1 minute each - 9 stations - with the last
minute silent. This cycle of 10 minutes repeats.

So says the ARRL Operating Manual. However, I've tuned into this 14.100
net for several days now and at various times and really haven't heard
anything but background noise. I'm using a Kenwood TS-140S with a 45ft
multi-band dipole. I can hear plenty of DX out there so I very much
doubt its my radio - here in Chicago.

==> The question is this. My ARRL guide is from 1988. Is this beacon still
==> in operation ?

==> Also, I'd be very much interested in any other such propogation nets on
==> other ferequencies - or how people generally get "dynamic" propagation
==> information (ie other than looking at published LUF,MUF charts)

Thanks,
Gary

From -3636401565036695913
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9eab033e18e25465
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 18:52:04 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!texbell!nuchat!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: octopus
Message-ID: <WY7-L+:@splut.conmicro.com>
Date: 28 Jun 90 07:19:27 GMT
References: <747936BC553F80145F@ROSEVC.Rose-Hulman.Edu|
<24616@bellcore.bellcore.com> <38306@cci632.UUCP> <24695@bellcore.bellcore.com>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 21
Posted: Thu Jun 28 08:19:27 1990

In article <24695@bellcore.bellcore.com> jdn@casux4.UUCP (jonathan nagy) writes:
>In article <38306@cci632.UUCP| cep@ccird7.UUCP (Christopher Piggott - co-op)
writes:
>|Hmm. I thought that, once you transmitted on a band, you had to stay
>|on that band for at least 15 minutes.
>The time limit is 10 minutes for the CQWW contests. This rule was
>enacted specifically to address the use of an octopus.

Hmmm...I understood the rule to mean (for FD, anyway) that a transmitter
was considered to be transmitting on a given band for at least 15

minutes after the first QSO for purposes of determining transmitter class. I always wanted to see how high a transmitter class I could achieve with as few actual radios as possible - I think 18A or so is reasonably possible with two transmitters with careful planning and work. Much more than that runs the radio count up, since you have to get into VHF/UHF.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
"I don't usually do vicious;        +-----------------------------------------
 I try to stick to depressing." -- Janis Ian, in concert, 6/6/90
```

From 3020168706544544998
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 19:08:21 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!swrinde!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Keywords: Computer RFI
Message-ID: <817@ke4zv.UUCP>
Date: 28 Jun 90 14:30:40 GMT
References: <1990Jun23.181503.20099@cbnewsj.att.com> <1250179@hpnmdla.HP.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: none
Lines: 45
Posted: Thu Jun 28 15:30:40 1990

In article <1250179@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:

>Re using PC's as repeater controllers:
>
>Nobody has mentioned any potential problems with RFI. My XT causes significant interference to my 2M rig. Seems like there would be a potential problem placing an unshielded PC on a mountaintop in a vault filled with dozens of repeaters at different frequencies.
>
>Al N1AL

There is a potential for real problems here. What we do is use standard shielding techniques (that the manufacturers should have already done) to solve this problem.

Here is roughly how to do it.

1. Choose a multilayer motherboard. The inherent shielding of having ground and power planes in the motherboard is your first line of defense.

2. Scrape ALL the paint off all mating surfaces of the case. Add screws every three to four inches to every mating surface.

3. Add copper tape or copper screening to all openings in the case.

4. Ground the case to the radio ground using low inductance copper strap.

5. Use shielded cables to and from the PC.

This should be all you need to do to quiet the noisest PC. Of course if you are going to leave a monitor and keyboard at the site, then you have to treat them too. I strongly recomend that you do not leave a monitor or keyboard at the site as doing so invites theft.

A well engineered RF site will use good quality hardline for ALL RF cabling including duplexer cabling. Thus RFI from controllers will have to enter through the antenna which is way up the tower out of the near field of the controllers. Of course those of you who maintain repeaters know that most commercial installations are so sloppy that they would embarrass the average ham.

Gary KE4ZV

From 3824495132390802709
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8b69606778719713,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 19:14:12 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!dvinci!news
From: hardie@herald.usask.ca (Peter Hardie)
Newsgroups: rec.ham-radio
Subject: George N9JTD re: GQRP (de VE5VA)
Message-ID: <1990Jun28.161657.1586@dvinci.usask.ca>
Date: 28 Jun 90 16:16:57 GMT
Sender: news@dvinci.usask.ca
Organization: University of Saskatchewan, Saskatoon, Canada
Lines: 20
Posted: Thu Jun 28 17:16:57 1990

Sorry to post this but all attempts to Email have been bounced.
G-QRP is the British QRP club. I joined it mainly because I am a Brit myself
(but not a ham when I lived there).
FYI there is also an active Michigan QRP club as well.
If you are interested in membership in either of them, let me know and
I'll dredge it up for you.
I tried mailing to you through bitnet @gargoyle.uchicago.edu and it bounced
and I also tried through uucp obdient!wheaton which also bounced. If you can
come up with a good bitnet path I can use that'll save me having to post.
The info I sent you about ARCI membership is from their most recent

QRP-Quarterly
magazine and is also the info I used a few days ago to renew my membership.
Hope you have fun with QRP and maybe I'll work you in one of the ARCI
contests or other QRP contest. The next ARCI contest is a ways off though,
October.

73 de Pete VE5VA
hardie@skyfox.usask.ca

From -5634319480808491016
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,276628f2eb446e10,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,276628f2eb446e10,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-06-28 19:24:29 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!frank
From: frank@ut-emx.UUCP (Frank Abernathy)
Newsgroups: sci.space,rec.ham-radio
Subject: NASA Prediction Bulletin Format (for STEPHEN?)
Message-ID: <32768@ut-emx.UUCP>
Date: 28 Jun 90 17:54:48 GMT
Organization: The University of Texas at Austin, Austin, Texas
Lines: 68
Xref: gmdzi sci.space:13630 rec.ham-radio:12476
Posted: Thu Jun 28 18:54:48 1990

Folks, bear with me... I tried to send a reply to Stephen,
I believe was his name, it bounced so I'm posting hoping he'll
see this..
==========================cut==================================

From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Subject: NASA Prediction Bulletins

==

Data for each satellite consists of three lines in the following format:

```
AAAAAAAAAAA
1 NNNNNU NNNNNAAA NNNNN.NNNNNNNN +.NNNNNNNN +NNNNN-N +NNNNN-N N NNNNN
2 NNNNN NNN.NNNN NNN.NNNN NNNNNNN NNN.NNNN NNN.NNNN NN.NNNNNNNNNNNNN
```

Line 1 is a eleven-character name.

Lines 2 and 3 are the standard Two-Line Orbital Element Set Format identical
to that used by NASA and NORAD. The format description is:

Line 2
Column   Description

01-01	Line Number of Element Data
03-07	Satellite Number
10-11	International Designator (Last two digits of launch year)
12-14	International Designator (Launch number of the year)
15-17	International Designator (Piece of launch)
19-20	Epoch Year (Last two digits of year)
21-32	Epoch (Julian Day and fractional portion of the day)
34-43	First Time Derivative of the Mean Motion or Ballistic Coefficient (Depending on ephemeris type)
45-52	Second Time Derivative of Mean Motion (decimal point assumed; blank if N/A)
54-61	BSTAR drag term if GP4 general perturbation theory was used. Otherwise, radiation pressure coefficient. (Decimal point assumed)
63-63	Ephemeris type
65-68	Element number
69-69	Check Sum (Modulo 10) (Letters, blanks, periods = 0; minus sign = 1)

Line 3

Column	Description
01-01	Line Number of Element Data
03-07	Satellite Number
09-16	Inclination [Degrees]
18-25	Right Ascension of the Ascending Node [Degrees]
27-33	Eccentricity (decimal point assumed)
35-42	Argument of Perigee [Degrees]
44-51	Mean Anomaly [Degrees]
53-63	Mean Motion [Revs per day]
64-68	Revolution number at epoch [Revs]
69-69	Check Sum (Modulo 10)

All other columns are blank or fixed.

Note that the International Designator fields are usually blank, as issued in the NASA Prediction Bulletins.
====================================cut==================================

Hope this helps the original requestor...
frank
(Credit for the service of posting the NASA preditions goes, of course, to Dr. Kelso...)

--
Frank Abernathy, University of Texas at Austin, frank@ut-emx.utexas.edu
Work: (512)-471-3216   Home: (512)-244-0625 (ans. mach always on...)

From 4373634524105927119
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8de68c975838c048,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 19:42:33 PST
Path: gmdzi!unido!mcsun!uunet!motcid!reichert

From: reichert@motcid.UUCP (Charles H. Reicher)
Newsgroups: rec.ham-radio
Subject: Amateur Radio Software Programs
Summary: Friendly Design Software
Keywords: Software
Message-ID: <3755@cocoa46.UUCP>
Date: 28 Jun 90 17:49:25 GMT
Distribution: rec
Organization: Motorola Inc., Cellular Infrastructure Div., Arlington Heights, IL
Lines: 32
Posted: Thu Jun 28 18:49:25 1990

To any Ham out there that still has the itch to "Roll their Own" there's still help. New Software Programs aimed at the Amateur who are not fully technical are now available;

A.S.P. Version 1.2 is a fully documented Narrow Band Preamp Design Program utilizing > DOS 2.11 and CGA. Automatic or Interactive Designs, N.F. Optimization, Matching Circuits, and More! Auto Designs optimize for N.F. and output VSWR while maximizing gain or intermodulation distortion. Safe operating conditions for input protection are also provided.

Am-radio
:page=0
A.S.P. Version 2.0 the same as Version 1.2 but requires EGA. An added Screen Plotting Utlity shows Gain, N.F., and Output VSWR. Matching component values can be changed to optimize circuit.

T.A.P. Version 1.0 is a user friendly Triode Power Amplifier Program enabling design of Grounded Grid Amplifiers. Input/Output Matching, along with design parameters, documentation, and much more is provided. Requires > DOS 2.11 and CGA.

PLL3 Version 1.0 is a tool for designing 3rd Order Loop Filters. Documentation is provided. Provides BODE Plot of pertinent parameters and data display/ printout. User interactive program allows component value and system constant changes. Requires > DOS 2.11 and EGA.

For more information on any of these programs contact;

KD9JQ
Chuck Reichert
955 Concord Lane
Hoffman Estates, IL. 60195

From 4346314770519337111
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b654df6668c83e4c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 19:45:20 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!ucbvax!hplabs!hpcc01!col!bobw
From: bobw@col.hp.com (Bob Witte)

Newsgroups: rec.ham-radio
Subject: Any FM in VHF Contests?
Message-ID: <24300020@col.hp.com>
Date: 28 Jun 90 03:08:35 GMT
Organization: HP Colorado Springs Division
Lines: 32
Posted: Thu Jun 28 04:08:35 1990

After participating in the ARRL June VHF contest, I noted again the absence of FM operation in the contest, at least in my area (Colorado). It seems reasonable that most 'serious' VHF contesters would have SSB capability and would tend to make use of that rather than FM. But it also seems that there are about 10 gillion ops with 2M FM rigs out there mobiling around or whatever who would enjoy finding out how far a 2M simplex signal can really go. (Colorado is especially well suited for this with high mountains close to large plains.)

OK, so here are my questions:

1. Is the severe lack of FM activity in VHF contests a fact in other parts of the country? If not, why not? Can you characterize the type of operator (e.g. just out driving around and works the contest, makes it a point to get on the air for a few contacts, seriously pursues the contest, etc.)?

2. What can be done to encourage more VHF contest activity, particularly on FM? Or maybe this isn't a good idea at all?

Your opinions please.

```
--------------------------------------------------------------------
Bob Witte               HP Colorado Springs Division
bobw@col.hp.com         P.O. Box 2197
Phone:(719) 590-3230    Colorado Springs, CO  80901
Radio: KB0CY            Packet: kb0cy@w0lkd
"Any mode, any band."
--------------------------------------------------------------------
```

From -4443656100510191639
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc45f70577cde227
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 19:46:18 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!winter
From: winter@Apple.COM (Patricia Winter)
Newsgroups: rec.ham-radio
Subject: Re: Re: How to buy a QSO, 20 M mess, etc...
Summary: Don't give up on 20m even with modest equipment
Message-ID: <42447@apple.Apple.COM>

Date: 28 Jun 90 17:17:43 GMT
References: <1990Jun25.144036.27405@dg-rtp.dg.com> <7880168@hpfcdc.HP.COM>
<1990Jun27.144648.11928@cbnewsj.att.com>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 26
Posted: Thu Jun 28 18:17:43 1990

In article <1990Jun27.144648.11928@cbnewsj.att.com> kb2glo@cbnewsj.att.com
(thomas.kenny) writes:
>
>As a matter of fact I've stayed of 20m since
>I don't have a beam nor amp. 10m, 12m, 15m, 17m and 40m seem to suit
>me just fine with 100 watts and an omni.

As long as the sunspots cooperate, bands like 10m and 15m are certainly
the best for low-oomph stations. But let me encourage everyone not to
give up on 20m just because you don't have a KW and a tribander. That's
where I got the vast majority of my awning DXCC contacts. (10m and 15m
weren't doing much at the time; the awning is a lousy antenna for 40m
and 80m; and my radio doesn't have the WARC bands.)

If you're patient and clever enough to outwait or sneak around the
big guns, 20m is fine for lower-powered stations. Contests are especially
good; after the loud stations have worked the ones you want, you can jump
in there and get them.

Patty

```
--
*****************************************************************************
Patty Winter N6BIS                          INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                       UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From 559836892053966227
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,479c8bedc2ec8a55
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 20:06:29 PST
Path: gmdzi!unido!mcsun!uunet!munnari.oz.au!bruce!mlacus!ash
From: ash@mlacus.oz (Ash Nallawalla)
Newsgroups: rec.ham-radio
Subject: Re: IRCs
Keywords: cashing them
Message-ID: <537@mlacus.oz>
Date: 29 Jun 90 03:06:29 GMT
References: <31439@ut-emx.UUCP> <161@bongo.UUCP> <137583@sun.Eng.Sun.COM>
Organization: Australian Centre for Unisys Software, Melbourne
Lines: 39
Posted: Fri Jun 29 04:06:29 1990

jneher@tenorman.Eng.Sun.COM (Jonathan Neher X62863) writes:
>I have gathered from reading this newsgroup that IRC's are
>used to mail QSL cards internationally. I still don't know
>exactly what they are and how they should be used when QSL'ing.

Some countries have stopped selling IRCs and some never recognised them. One IRC can be cashed in the form of stamps at a post office but the postage is worth the going rate for a sea mail letter. Three IRCs are supposed to cover one air mail letter. If a Dx ham asks for IRCs then it is safe to send them when you want a QSL back. note that the IRC is only a coupon, not postage stamps. Ask your post office for one. You may have to go to a major post office if the local one has never heard of one.

>Where can you get them?

Apart from post offices, look in the classifieds in ham magazines. Many Dxers sell them for 25c and up - some coupons travel extensively! The going rate may be much higher now, as I last bought some about six years ago. The post office will charge the local amount of an internationally agreed fee.

>Which countries should you use them
>for?

Many countries that are signatories to the Universal Postal Union - but as getting that list might be difficult, look for tips in Dx columns to be safe. In SWL magazines I sometimes see a marking after someone's QSL brag list that denotes whether an IRC or a stamp was sent.

>Do you always send one along with your QSL card if you
>expect the receive a reply from a station outside the U.S.

The safest bet is a Green Stamp, ie US$1 bill. Watch out when sending green stamps to Asian countries - it is illegal in some and encourages pilferage in others. Some of us still QSL via the Bureau :-)

de zl4lm/vk3cit
--
```
============================================================================
Ash Nallawalla         Tel: +61 3 823-1959  Fax: +61 3 820-1434
ZL4LM/VK3CIT       Postal: P.O. Box 539, Werribee VIC 3030, Australia
ash@mlacus.oz.au   Also: 3:635/507.
```

From -4543721455193017615
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,60e20a136f5b93a4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 20:28:35 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!mips!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: making ham radio known (ARRL seems disinterested)
Message-ID: <2774@wyse.wyse.com>
Date: 28 Jun 90 18:52:38 GMT

References: <1990Jun21.135514.2691@ka3ovk.uucp>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 23
Posted: Thu Jun 28 19:52:38 1990

In article <1990Jun21.135514.2691@ka3ovk.uucp> albers@ka3ovk.uucp (Jon Albers) writes:
> Stuff deleted....
>If this is typical of the attitudes of
>the ARRL, then I must agree with Wayne Greene of 73 magazine -- it's time for
>the ARRL to have some competition from another ham radio orgainization. Maybe
>than amateur radio has a chance to survive in the U.S. Unless the hobby can be
>made visible to the public, and be attractive to the public in todays society,
>it is doomed. Honestly, I don't know how to do it, but I do know it needs to
>be done, and soon.
>
>   Jon

Jon,

It seems to me the easiest way to fix it is to get involved. If you
don't like the attitude you see in your ARRL elected officials then
you have 2 options to fix the problem. 1) Vote for someone else that
shares your positions 2) Run for Director yourself! Its true that
one person can't change the whole world(over nite) but they can
have an effect. It just takes some pushing.

73's de Steve KA6S

From -8939298164044041541
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b260e4ab84dd4d4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 20:29:50 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.ham-radio
Subject: How to deal with TVI
Keywords: Finding Peace in a Bedroom Community
Message-ID: <1990Jun28.172135.11814@lopez.UUCP>
Date: 28 Jun 90 17:21:35 GMT
Organization: Great White North/UPlink
Lines: 131
Posted: Thu Jun 28 18:21:35 1990

Tennesee Valley Indians. It is something all hams dread. AND if you
have ever run more than 20 watts, YOU have first hand experience with
it.

Those of us who run a bit more power (I want to see the hands of OTHER Henry owners!) have all had a lot of first hand experience dealing with RFI in its various and nasty forms. Over the years I personally have had many different occaisions to solve my own RFI problems, and I think perhaps we can all contribute to the overall body of knowledge on the subject. I think I have tried just about EVERYTHING, but perhaps I will leave out a few things because no one gets to be in ALL situations...

Here are some TVI tips from the Eccentric Old Hippie....

1. Buy a cheap TV set and put it in your shack. Mine is on a stand next to the linear. I keep it tuned to the Weather Channel, which also gives you the latest info, and ALL hams love to talk about weather. If you notice the wigglies where there were no wigglies before, it is an indication that something is letting loose. If you catch a problem BEFORE it affects your neighbors, you are ahead of the game.

2. Get some copies of the FCC TVI pamphlet. It is part of the standard handout I do when I visit a new neighbor. This will give them an understanding of what different types of interference look like. It is not always the guy with those funny antennas...

3. Check your ground system EVERY spring. Replace any fittings that look corroded. Don't be cheap about it, just replace them. Make sure everything makes good contact.

   A good ground system is your first line of defense against TVI, so let's consider it for a moment. I used to have some terrible TVI problems when I first started running power. What worked for 100 watts was a joke of a ground system that was not effective at 1500. Your mileage may vary, but here is what I did...

   a. Keep the runs to your ground system as short as possible. If you can have your station in the BASEMENT (where most hams wind up by default) so much the better.

   b. Because of the skin effect, you will want to use a large outer diameter. Instead of spending a fortune on #4 copper, you can get the same effect by using the braid of a run of COAX. I use RG-59 for my ground run, and use the shield for my ground wire.

   c. Beware of "floating ground". If you use a ground stake, it could wind up being at a different ground potential than your house wiring. For this reason, if you CAN, tie your ham station to the cold water pipes. This was the magic in my case, and though it involved drilling some holes in a wall (Send the XYL shopping first) you will find that the ground makes all the difference in ALL types of RFI.

   d. Tie all the grounds in your shack together. This is where QST would say to be neat, but NO ham I ever met was neat. Just keep them short and try not to get them tangled with everything.

Again I prefer to use COAX for the ground, but any good heavy wire will do fine.

e. If you pick up some official braided ground strap at a hamfest use it by all means, but coax works exactly the same, and we all have rolls of coax.

You might think I spent too much on the ground system, but since it is the first line of defense, I think it deserves it.

4. YOU make the first move. This might sound like asking for trouble, but when I bought my amplifier, I told my neighbors I was installing some new equipment and that I wanted them to tell me if they had any interference, and if so, mark it down as to type and time. Do not make the mistake of getting into the "it's their problem" mindset. Sure it is their problem, but if you can avoid a lynching party, you are ahead of the game. I also called the cable company, and talked to the chief engineer. Most cable engineers are also into electronic hobbies, and if you are lucky the CE at your cable outfit might be a ham. This will help them isolate problems in their system. Yes if your signal gets into the TV in a cabled community, it is usually the problem of the cable company.

In my case the cable company had to rewire the entire block with RG-6. They also gave me a roll of RG-6 to rewire my own house. When an cable amplifier on the pole in front of my house let go, I could take out the entire south side of town with 10 watts. I found the problem immediately, and saw it go the moment it did, (remember the TV on the stand next to the amp?) When I saw it trash out, I shut down and started checking my own gear first. I was smart enough to stay off the air til the next day when it was fixed.

I also bought a bunch of ferrite donuts and a slew of TVI filters. I gave them to the neighbors who reported problems. You do not have to do this, but PR goes a long way.

Most people value their TV the most, but you will also have problems with neighbors phones, stereos, and broadcast radios. I have found the hardest problem to fix is a cheap vcr, especially with 75 meter operations, since the video heads ARE a 3-4 mhz RECEPTION SYSTEM. The ferrite beads and cascaded TVI filters can help a little. My own JVC VCR in a nice metal case records and plays just fine with NO squiggles.

Of my own stuff, the only problem I have is that I trash out my dolby surround sound audio system. It took a lot of tinkering and rewiring and grounding, but you can cure just about everything but fundamental overload. (I also have some very long speaker runs because the dolby system feeds TWO different viewing sites in my home. Since I don't watch TV and ham it up at the same time, I just shut the thing off.

Cheapo plastic telephones may not respond to choking the phone lines, but since a phone is NOT designed to receive radio signals, if it DOES, the problem is usually the phone, ESPECIALLY of you are properly grounded to minimize local RF fields. I have been able to convince neighbors to get a "real" phone, and the problem went away.

I personally do the bulk of my high power operating after midnight. Your schedule may not permit this, but it is one way to keep everyone happy. If you don't know who to talk to after midnight, join our group on 3950.

Initially it was a lot of work getting my station and my neighborhood TVI proof, but the results are worth it.

And it is nice when you have just signed off the air with a rag chew on 20 to go outside to do a perimiter check and have the neighbors wave a friendly hello.

--
=Marquette MI: It's Not the END of the world, but you can see it from here=
== Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash) GWN UPLink ==
== 3.950 Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================

From 3265832141494577760
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b62de0c855ab28ce,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 20:34:31 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!hplabs!hp-pcd!hplsla!charlier
From: charlier@hplsla.HP.COM (Charlie Panek)
Newsgroups: rec.ham-radio
Subject: Re: ARRL NR 21: FIELD DAY POINTS
Message-ID: <5720072@hplsla.HP.COM>
Date: 28 Jun 90 15:50:08 GMT
References: <1545@n8emr.UUCP>
Organization: HP Lake Stevens, WA
Lines: 14
Posted: Thu Jun 28 16:50:08 1990

>/ hplsla:rec.ham-radio / lewine@dg.dg.com (Don Lewine) / 6:43 am Jun 25, 1990 /
>Does copying the ARRL message via usenet count?
>----------

I quote from the Field Day rules:

"7) W1AW message: A bonus of 100 points will be earned by copying a special ARRL Field Day bulletin sent ofver W!AW on its regularly announced frequencies just before and during Field Day. This message can be recieved directly from W1AW OR BY ANY RELAY METHOD..." (emphasis mine).

So I'd say usenet is fine, but I think the rules also imply that you have to recieve the message AT the field day site, DURING the contest period. Not 5 days later, at home.

```
From 16411714136048330
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,89c84da0b91c19a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 20:42:09 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.ham-radio
Subject: Re: 20 meter mess
Message-ID: <1990Jun28.162927.11300@lopez.UUCP>
Date: 28 Jun 90 16:29:27 GMT
References: <329@e2big.enet.dec.com>
Organization: Great White North/UPlink
Lines: 84
Posted: Thu Jun 28 17:29:27 1990
```

brewer@anarky.enet.dec.com (John Brewer) writes:

> I have had the misfortune to listen to 14.300 and 14.313
>for the past few days, and wonder what *we* or the FCC can do to
>stop this mess.

Well John...

Speaking as someone who TRIED, let me say that there is not a whole lot we can do.

Those who remember my sig block from December might remember I was promoting a NEW net on 14.313. For over a month at 11:00 EST, several of us got together to discuss politics, humanity, etc. Believe it or not, we actually managed to quiet the entire mele for sometimes several hours. We got the topic OFF the phone patch and traffic issue, and ON to something else. While our stuff WAS controvercial to say the least, We ran a NET. Checkins were only acknowledged if they gave their callsigns. Comments without callsigns were totally ignored. A few of the known QRM'ers actually checked in with CALLSIGNS so they could be recognized in the discussions. Following the net, we often had some very good roundtables. Propogation at Christmastime was the best I can ever remember on 20 meters. It was glorious. You could hear EVERYBODY, with NO dead spots. From close in, out to europe.

Eventually due to work schedules, many of the folks dropped out of the net, but a few of us tried to stem the tide, and though the QRM did pick up, we stuck with it. The official net was on Saturday Only.

Then guess who showed up. THE DOG. He decided that he did not like our net. He especially picked on the NCS, NR9Q, who tried to maintain order, but gave up in disgust, and tore down his 20 meter antennas.

I just tuned there before I read your article, John. It was just total chaos, as it often is.

I don't think the FCC is going to do anything. My opinion is they have turned their back on 313 the same way they did with CB. Some of those QRM'ers have been there for over a year. The CW jamming is very organized. I believe that many of those doing the interference ARE people who should know better, but who are emotionally involved. Thing is, the people they love to hate, like KV4FZ, and the rest ARE operating LEGALLY. THEY give call signs, they do not use fowl language. You might not like their opinions about phone patching and net handling, but they have a right to those opinions, and I suppose they have a right to their "mission" as well.

The FCC has given all parties til July something to settle their differences. (Barf, MM, Intercon, etc) ...

I used to listen every day. Without fail. I am, I guess the one responsible for the 75 meter boys moving there and trying to make it into a ragchew frequency. We brought people from 3849.5 and 3950. Some of the 3868 crew also showed. Some of the "big gun" 75 meter personalities like Farmer Bob, Zimbabwe, OEC and the rest.

I made some very good friends on 14313 back in december during the time it was saner. I have some good warm memories about it. I even had "my own" qrmer, a guy who played back one line I had said while making fun of some of the other ops.

Well. THIS is a world wide forum, and we here on USENET can "KEY DOWN" and give our opinion on the situation, and not be QRM'ed.

I run a pretty powerful station on 313 with an omni pattern. If someone wanted to try again to bring order (don't even think about it unless you have some power to back up your ideas), I will participate. I will NOT, however, be discourteous to ANY operator who signs his call, and that includes the barf boys who everyone seems to hate. I had some nice talks with THEM also. They can be pretty reasonable if YOU are reasonable. What WE did was drag THEM into are net as participants, and that got them OFF talking about their "mission" and ONTO something else.

It could be done again.

Did anyone hear the net we ran back around Christmas time? Was it better than what is there TODAY?

--
=Marquette MI: It's Not the END of the world, but you can see it from here=
== Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash) GWN UPLink ==
== 3.950 Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================

From 6935190210560717689

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b654df6668c83e4c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 21:44:43 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!swrinde!emory!mephisto!mcnc!unccvax!cs00jmc
From: cs00jmc@unccvax.uncc.edu (John Covington WN4BBJ)
Newsgroups: rec.ham-radio
Subject: Re: Any FM in VHF Contests?
Message-ID: <2389@unccvax.uncc.edu>
Date: 28 Jun 90 22:44:56 GMT
References: <24300020@col.hp.com>
Reply-To: cs00jmc@unccvax.UUCP (John Covington WN4BBJ)
Organization: University of North Carolina at Charlotte
Lines: 59
Posted: Thu Jun 28 23:44:56 1990

In article <24300020@col.hp.com> bobw@col.hp.com (Bob Witte) writes:
>
> After participating in the ARRL June VHF contest, I noted
> again the absence of FM operation in the contest, at least
> in my area (Colorado). It seems reasonable that most 'serious'
.....stuff deleted....
> OK, so here are my questions:
>
> 1. Is the severe lack of FM activity in VHF contests
>   a fact in other parts of the country? If not, why not?
>   Can you characterize the type of operator (e.g. just out
>   driving around and works the contest, makes it a point to
>   get on the air for a few contacts, seriously pursues
>   the contest, etc.)?
>

There are very few FM contacts in this part of the country. About
10 years ago there used to be lots more FM but with SSB equipment so
much more available now the serious contesters have switched to SSB.
Multipliers are the name of the game and you just don't get that many
extra multipliers from FM stations. Also most of the FM stations are
just not interested in learning how to give proper grid square exchanges.
10 years ago all you had to say was "59 North Carolina" so it was a little
easier to coax random stations to give you a contact.

It is usually worthwhile to listen once in a while on FM but in general
you don't get many contacts from it.

> 2. What can be done to encourage more VHF contest activity,
>   particularly on FM? Or maybe this isn't a good idea at all?
>
> Your opinions please.
>

Local clubs or contest groups would need to explain how to give proper
exchanges and what frequencies to use. This would have to be done in advance

since it takes too much time to do it during a contest (time which could be spent working other stations). If you are going to do this I suggest you bring it up at the club meeting before the contest, explain how to work a contest station and tell what TIME you are going to be listening on FM. Set aside an hour or two to work FM Saturday evening and don't waste any other time looking for FM contacts unless the band is wide open. You can only operate one transmitter per band so if you switch to FM you should make sure that it is going to be worth your while; you will have to stop working SSB until you finish FM even if you have two transmitters capable of operating on the same band.

In summary, set aside a specific time you will work FM, then publicize it along with instructions on how to give a proper contact.

Good Luck and 73
John

```
--
John Covington WN4BBJ        Internet: cs00jmc@unccvax.uncc.edu
P.O. Box 217122              MCI Mail: JCOVINGTON 342-6957
Charlotte, NC 28221-7122     Packet Radio Mail: WN4BBJ @ W4BFB.NC.USA.NA
(704) 537-7653               "Give it back, Eric, it's not yours" (the ICOM)
```

From -6177351876135830066
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6bf425f1d17d86d8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 22:54:19 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: Your response to N8DGN's QST comments.
Message-ID: <9006290354.AA01463@cmr.ncsl.nist.gov>
Date: 29 Jun 90 03:54:31 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 38
Posted: Fri Jun 29 04:54:31 1990

To Jon Bloom,
I think that, at least this time, you've missed the point.
I know that you don't set the ARRL editorial policy, so don't take this too personnally - but you did a "company line" response when you had better ammo. Many of the arguers against the current QST editorial emphasis (like N8DGN) clearly recognize that they themselves are NOT in the mainstream of ham radio. They complain that QST editorial policy has written-off their interests entirely. 'DGN seems to be a microwave enthusiast. What has QST shown him lately? It wasn't very useful for you to tell him that he is out of the ham radio mainstream - why didn't you point out the two-part feature article on 903 MHz linears?

At least it was above the antenna-switch technical level.

**** SOAP-BOX MODE "ON" ****
Many of us DO feel that QST should have at least ONE article above the lowest-common-denominator level (technically) each month. There is a claim
that QST is a publication for ALL HAMS... Don't leave out the 5 or 10% with
some slight technical background. Twelve articles transplanted from QEX
each year couldn't touch all the special-interest higher-tech aspects of
hamdom - BUT THEY COULD ILLUSTRATE TO THE NON-HAM WHO PICKS UP QST THAT THERE
IS STILL SOME TECHNICAL CONTENT IN HAM RADIO. I share your view that articles
are more valuable than monthly non-news special-interest columns. Is there
ever any real info in Rip's satellite column? I think the complaints against
the coverage of operating news and events, DXCC, etc., are unrealistic.
Ham radio wouldn't have any frequencies if we ALL sat in our labs building
great new gear. ARRL/QST has to encourage USE of the gear (VHF/UHF/SHF
operating events and the "World Above 50 MHz" -{Bill WANTS more microwave
operating news}) and QST has to cover events of
interest to a large number of hams (like HF DX and operating events).
**** SOAP-BOX MODE "OFF" ****

Most of the people in this mail-group are in fancy technical jobs/schools
and can't imagine what technical dolts most amateurs are.
"Nobody ever went broke underestimating the intellect of
the American public". Does our national ham society's journal have to
follow this rule so closely?

73, Bob W3OTC

From -5541782593193708825
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 23:02:44 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Keywords: Computer RFI
Message-ID: <26576@netnews.upenn.edu>
Date: 29 Jun 90 02:55:07 GMT
References: <1990Jun23.181503.20099@cbnewsj.att.com> <1250179@hpnmdla.HP.COM> <817@ke4zv.UUCP>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu.UUCP (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 58
Posted: Fri Jun 29 03:55:07 1990

In article <817@ke4zv.UUCP> gary@ke4zv.UUCP (Gary Coffman) writes:
>In article <1250179@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>>Re using PC's as repeater controllers:

>>
>>Nobody has mentioned any potential problems with RFI. My XT causes
>>significant interference to my 2M rig. Seems like there would be a
>>potential problem placing an unshielded PC on a mountaintop in a vault
>>filled with dozens of repeaters at different frequencies.
>>
>>Al N1AL
>
>There is a potential for real problems here. What we do is use standard
>shielding techniques (that the manufacturers should have already done)
>to solve this problem.
>
>Gary KE4ZV

Some of the cheaper import PC's don't even have FCC approval, so the chances of getting a dirty computer are pretty high these days.

Cheap PC's are probably some of the worst polluters, espescially non-metal incased computers such as C64's. But along the lines of IBM PC-clones, they are typically noisy, but RFI leaking through cables or in other ways getting into the actual radios isn't as much of a problem as it may seem. Far field interference down the feedline through the antenna is highly unlikely, considering most repeaters have some sort of bp/br filters in addition to helical resonators on the front end of the receiver itself. A good repeater setup should have RG-214 or similar double-shielded coax connecting the receiver, transmitter, duplexers, filters, preamps, etc. inside the shack. Even the noisiest PC would have a hard time getting into this type of coax. At least I've never seen it happen. Take into consideration that most people have no problem using their PC and TNC with a 2m rig, even with the radio and computer sitting right next to each other, typically neither being particularly well shielded.

The only possible source of interference would be near-field RFI caused by poorly shielded radios located extremely close to the computer itself. Monitors and hard or floppy disk accesses seem to create the most RFI. But once the repeater is up, disk accesses should be nil and it's easy enough to shut off a monitor. Harmonics generated by square and sawtooth waves from inside the PC should be pretty well attenuated by the PC's cabinet itself, no to mention the radios' cabinets. I frequently use an HT in PC labs filled with 20+ PC's and also in a machine room filled with VAXes, Harris machines, DEC and Apollo workstations, etc. and rarely have anything break squelch, even on a wide-open hot-front ended HT. How bad can it really be? Admittedly, I've never use a PC in a repeater installation, but use one all the time on packet and never have problems. Even with the 2m rig sitting on top of the computer and using a 1/4h mag mount next to it on a filing cabinet.

--- Jeff

```
+----------------------+-----------------------------------------------------+
| Jeff DePolo N3HBZ/AA  | Internet: depolo@eniac.seas.upenn.edu               |
| Univ. of Pennsylvania | RF: 146.685- 224.40- 442.70+ 144.455s (Philadelpia) |
| Computer Science Eng. | Twisted pair: (215) 386-7199 home                   |
|     Class of 1991     | Carrier pigeon: 420 South 42nd St. Philly, PA 19104 |
+-----------------------+-----------------------------------------------------+
```

From 834925282057738410
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bce5b7fb64356de
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107ada,a649493a3a0a2f61
X-Google-Attributes: gid107ada,public
X-Google-ArrivalTime: 1990-06-28 23:04:16 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
van-bc!ubc-cs!uw-beaver!sumax!amc-gw!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Making ham radio known
Summary: QEX?
Message-ID: <860@ssc.UUCP>
Date: 28 Jun 90 16:21:58 GMT
References: <9006172224.AA03527@ucsd.edu> <7880159@hpfcdc.HP.COM> <164@bongo.UUCP>
Organization: very little
Lines: 28
Posted: Thu Jun 28 17:21:58 1990

In article <164@bongo.UUCP>, julian@bongo.UUCP (Julian Macassey) writes:
>
> public. The constituency of the ARRL is HF Contesting. Don't believe
> me? Read QST.

Funny....the contesters I know complain that it is dominated by traffic
and 2 meter types! I think the league has a tough time catering to an
increasingly factionalized hobby.

> Remember what happened to the Microwave column in QST? What happened
> to QEX?

I'm still receiving QEX. Did your subscription lapse?

Not a flame....just a couple of comments on a thoughtful posting by
Julian.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 969430978697875712
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b642f75bd13ccb06
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109c0d,b642f75bd13ccb06
X-Google-Attributes: gid109c0d,public
X-Google-Thread: 105d97,b642f75bd13ccb06
X-Google-Attributes: gid105d97,public
X-Google-Thread: f5280,6e657b201eeee64e,start
X-Google-Attributes: gidf5280,public
X-Google-ArrivalTime: 1990-06-28 23:04:32 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!zaphod.mps.ohio-state.edu!van-bc!ubc-cs!uw-beaver!sumax!amc-gw!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: misc.forsale,rec.ham-radio,sci.electronics
Subject: Re: Books on Early Electronics For Sale
Summary: Hiram Percy Maxim, ETs, crackpot
Message-ID: <861@ssc.UUCP>
Date: 28 Jun 90 19:34:06 GMT
References: <42053@conexch.UUCP>
Organization: very little
Lines: 21
Xref: gmdzi misc.forsale:1703 rec.ham-radio:12488 sci.electronics:7275
Posted: Thu Jun 28 20:34:06 1990

When I was at Dayton this year, I saw a book by H.P Maxim (ARRL founder) that was a real interesting piece of work. It was a bona-fide crackpot tome about using radio to communicate with extra-terrestrials! The book detailed some of Maxim's far-out philosophy, and was a real eye-opener concerning the "eclectic" interests of "our founder."

Anyone else run across this? I think it was titled something like "Worlds Beyond", although this recollection is vague.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 2715576027816385183
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,60e20a136f5b93a4
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 11002a,31cbd529f6c48f6f
X-Google-Attributes: gid11002a,public
X-Google-ArrivalTime: 1990-06-29 01:43:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: making ham radio known (ARRL seems disinterested)
Message-ID: <228@ultrix.uhasun.hartford.edu>
Date: 29 Jun 90 02:51:02 GMT
References: <1990Jun21.135514.2691@ka3ovk.uucp>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 24
Posted: Fri Jun 29 03:51:02 1990

In article <1990Jun21.135514.2691@ka3ovk.uucp>, albers@ka3ovk.uucp (Jon Albers) writes:

> were asked of him about what the ARRL was doing to advertize ham radio and
> as I worded it , "Put ham radio back on the kitchen table of America "(very
> patriotic, huh?). Anyhow, the answer was basically, the ARRL had no interest
> in doing that at all, and any elaboration was avoided by Hugh. It seems that

Did he say that specifically, or is that your interpretation? I find it
very hard to believe Hugh would say that. It certainly isn't the case
as I understand it. By the way... when was it exactly that ham radio was
on the kitchen table of America?

> the attitudes of the ARRL are largly one of a typical good-old-boys club,
> who don't want any of those new kids with unconventional ideas about the
> hobby get control of 'their' hobby. If this is typical of the attitudes of
> the ARRL, then I must agree with Wayne Greene of 73 magazine -- it's time for

Having spent a fair amount of time with several directors, I can say that
that's _not_ the way any of the ones I know look at things.

--
Jon Bloom, KE3Z | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu |
Snail: 225 Main St., Newington, CT 06111 | "I have no opinions."

From 7528179033556855163
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc45f70577cde227
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-29 06:39:00 PST
Path: gmdzi!unido!mcsun!uunet!apctrc!gpss5!zslf0a
From: zslf0a@gpss5 (Steven L. Farmer)
Newsgroups: rec.ham-radio
Subject: Re: Was How to buy a QSO, 20 M mess, etc...
Message-ID: <1774@apctrc.UUCP>
Date: 29 Jun 90 13:39:00 GMT

References: <7880168@hpfcdc.HP.COM> <1990Jun27.144648.11928@cbnewsj.att.com>
<42447@apple.Apple.COM>
Sender: news@trc.amoco.com
Organization: Amoco Production Company, Tulsa Research Center
Lines: 10
Posted: Fri Jun 29 14:39:00 1990
X-Checksum-Snefru: e232ada3 73dbd000 d2b6b067 39aa7597

In article <42447@apple.Apple.COM> winter@Apple.COM (Patricia Winter) writes:
>That's where I got the vast majority of my awning DXCC contacts.......

Ok, come clean Patty..... Its common knowledge in contest circles that you've been running a stacked, phased, microprocessor controlled *array* of awnings on a fully rotatable building.

Why you 'big house' ops keep up this pretense of modesty is beyond me.

73's - WA5RPF

From -781092455547168578
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79695d9ec93911ac,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-29 06:39:41 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!HIARAS.NRC.CA!EVERETT
From: EVERETT@HIARAS.NRC.CA
Newsgroups: rec.ham-radio
Subject: Grounding a roof top station.
Message-ID: <715A27FB513F00008E@NRCNET.NRC.CA>
Date: 29 Jun 90 13:54:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 29
Posted: Fri Jun 29 14:54:00 1990

Greetings all,

I have a problem that I am sure that another fellow ham must have encountered before and perhaps could help me out.
I operate the University of New Brunswick ARC station located in Fredericton, NB, Canada. The station is current in the process of relocating its tower and we have a bit of a problem. The station is located on the 3rd floor of the EE building with a 50 foot coax run out to the antennas. The tower and antennas are located on a wide flat (as in none-sloping) roof. It is at least 100 ft to the ground from the tower site. As a result there is little we can do to ground the tower. (Gasp! We do have lighting in the Great White North) To make matters worse we are located in the older section of the building and there is no good earth ground we can latch onto within the station. The only thing we have is the normal 120 ac lines. There are no water pipes, fire alarm conduits or other devices nearby. The only thing metal is the staircase

that goes down three floors and we don't know if it terminates in the earth. (Also I don't like the idea of killing off my fellow engineers who happen to be on the stairwell when a strike happens.) A ground to earth from the tower would be a very long distance with a sharp 90 degree bend as it goes over the roof. I can't find any I beams within the super structure that might serve the purpose. I am open to whatever suggestions anyone may have.

Thanks for the space.
...Jerry Everett VE1DE/VE3
Bitnet: HIARAS@NRC.CA
Packet: VE1DE@VE3JF
Herzberg Institute for Astro Physics, Ottawa, Ont.
=========>> Happy 123rd Birthday CANADA !!, July 1st 1990 <<==========

From 3961755644902981178
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,772a782b4724101a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-29 06:40:27 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!HIARAS.NRC.CA!EVERETT
From: EVERETT@HIARAS.NRC.CA
Newsgroups: rec.ham-radio
Subject: Correction for Email address
Message-ID: <7159816C283F00008E@NRCNET.NRC.CA>
Date: 29 Jun 90 13:58:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Fri Jun 29 14:58:00 1990

The correct Email address for Jerry Everett VE1DE/VE3 who posted a request for station grounding is
Bitnet: EVERETT@HIARAS.NRC.CA
Boy I hate having my blunders broadcast to three continents.
...Jerry

From -7960029388131225361
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d8f08a65bdf6351
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-29 06:43:04 PST
Path: gmdzi!unido!mcsun!uunet!seismo!ukma!tut.cis.ohio-state.edu!cs.utexas.edu!rutgers!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: <$100 voice card
Message-ID: <38395@cci632.UUCP>
Date: 28 Jun 90 18:49:47 GMT
References: <9006281445.AA05789@ucsd.edu>
Reply-To: cep@ccird7.UUCP (Christopher E. Piggott (WZ2B))
Organization: CCI, Communications Systems Division, Rochester, NY

Lines: 11
Posted: Thu Jun 28 19:49:47 1990

In article <9006281445.AA05789@ucsd.edu> BRUCEH@UTKVX3.BITNET writes:
>Someone mentioned that there was a voice card available for less than
>$100. I'm interested in such a card. Does anyone know the name of the
>company and a phone number?

It's called the DVS-1 and there are a few different models...pick up
a copy of BYTE magazine (recent) and look in the advertiser's index
for COMPUTER AGE LTD. They have an 800 number. I bought two of them.
They're neat, and really easy to write software for.

WZ2B

From -8958225549209285727
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5ea62ca5c7cb111,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-29 12:20:55 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!rice!cs.utexas.edu!
samsung!rex!wuarchive!udel!rochester!rit!cci632!ccird1!dls
From: dls@ccird1.uucp (Darren Swartzendruber)
Newsgroups: rec.ham-radio
Subject: Favorite PC logging programs?
Message-ID: <DLS.90Jun29152055@ccird1.uucp>
Date: 29 Jun 90 19:20:55 GMT
Sender: dls@cci632.UUCP
Distribution: rec
Organization: Computer Consoles Inc. an STC Company, Rochester, NY
Lines: 13
Posted: Fri Jun 29 20:20:55 1990

Since there are so many logging programs availiable for the PC,
which ones are worth looking at. I am really interested in no-contest
loggers.
--

```
Darren Swartzendruber       CCCCCCCCCCC CCCCCCCCCCC IIIIIIIIII
   N2KTJ                    CC       CC CC       CC II      II  COMPUTER
                            CC  CCC  CC CC  CCC  CC IIII  IIII  CONSOLES,
cci632!dls@cs.rochester.edu CC  CCCCCCC CC  CCCCCCC IIII  IIII  INCORPORATED
rochester!rit!cci632!dls    CC  CCC  CC CC  CCC  CC IIII  IIII
uunet!ccicpg!cci632!dls     CC       CC CC       CC II      II  An STC Company
uunet!rlgvax!cci632!dls     CCCCCCCCCCC CCCCCCCCCCC IIIIIIIIII
```

From 8812648687452017519
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c251702160adcfa2,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-06-29 12:24:52 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!rice!cs.utexas.edu!
swrinde!zaphod.mps.ohio-state.edu!wuarchive!udel!rochester!rit!cci632!ccird1!dls
From: dls@ccird1.uucp (Darren Swartzendruber)
Newsgroups: rec.ham-radio
Subject: B&W AP-10 -- Portable antenna for apartments...
Message-ID: <DLS.90Jun29152452@ccird1.uucp>
Date: 29 Jun 90 19:24:52 GMT
Sender: dls@cci632.UUCP
Distribution: rec
Organization: Computer Consoles Inc. an STC Company, Rochester, NY
Lines: 15
Posted: Fri Jun 29 20:24:52 1990

I live in an apartment and have no access to the roof, nor can
I have a dipole strung across the lawn. I have come across the
B&W AP-10 in different mag and catalogs. I was wondering if anyone
has one or knows if it is worth the money.

--

```
Darren Swartzendruber       CCCCCCCCCCC CCCCCCCCCCC IIIIIIIII
   N2KTJ                    CC       CC CC       CC II      II  COMPUTER
                            CC  CCC  CC CC  CCC  CC IIII  IIII  CONSOLES,
cci632!dls@cs.rochester.edu CC  CCCCCCC CC  CCCCCCC IIII  IIII  INCORPORATED
rochester!rit!cci632!dls    CC  CCC  CC CC  CCC  CC IIII  IIII
uunet!ccicpg!cci632!dls     CC       CC CC       CC II      II  An STC Company
uunet!rlgvax!cci632!dls     CCCCCCCCCCC CCCCCCCCCCC IIIIIIIII
```

From -3149461403182098314
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61b38504f909074a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-29 14:22:17 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!mcnc!rti!sunpix!
sunpix.East.Sun.COM
From: gb@sunpix.East.Sun.COM (Gary Bishop - Sun Visualization Products)
Newsgroups: rec.ham-radio
Subject: Remotely Tuned HF Beam Antenna
Message-ID: <3028@sunpix.East.Sun.COM>
Date: 29 Jun 90 21:22:17 GMT
Sender: gb@sunpix.East.Sun.COM
Organization: Sun Microsystems, Research Triangle Park, NC
Lines: 69
Posted: Fri Jun 29 22:22:17 1990

Here's an idea for a remotely tuned beam for the HF bands. I'd like
to hear about previous implementations, suggestions for
implementation, reasons why it won't work, etc.

The plan is to put up a three element beam cut for 20 meters. At the center of each beam element there will be a tuning unit with a variable capacitor that can be controlled from the shack. By tuning the elements it should be possible to achieve optimum operation (gain or fb ratio, not both simultaneously) on any frequency on the band. Clearly some mechanism would be needed for measuring the performance to allow this adjustment.

If the tuning unit has sufficient range, it should be possible to operate the beam on 20, 17, 15, 12, and 10M by retuning the elements for proper resonance. The antenna would have increasing gain as frequency is increased.

This brings up several implementation questions for further research.

1) What sort of tuning unit?

I was thinking of a high-voltage variable capacitor constructed along the lines of one in the ARRL Antenna Compendium 2. The unit described there has two metal plates (one fixed and one moving) separated by a thin sheet of glass. The author claims greater than 10k volt breakdown and capacitance varying from 500pf to 10pf for a 4.5 inch square capacitor. I doubt I'd need more than 100pf maximum so I could reduce the size somewhat.

Anyone have other suggestions for a tuning unit? I'd like to avoid sliding electrical connections because of noise on receive. Commercial variable capacitors with high-breakdown voltages are very expensive. Any suggestions for sources of cheap ones?

2) What sort of remote control?

I was thinking of surplus stepper motors. They're pretty cheap, and compact. My impression is that you can know how far you've turned them by counting pulses so I wouldn't need another mechanism for determining tuner position. I've also heard that RC servos might be the right goods. Any suggestions?

3) What sort of performance feedback?

I thought about monitoring element currents with a small probe attached to each element. This wouldn't be too hard but requires putting a signal on the air (though maybe a small one) for adjustment and it provides only an indirect indication of performance.

For a direct measurement, I thought of installing a few very simple remote field-strength meters around the antenna. Using these I could get a direct indication of relative gain and fb ratio. Again this requires generating QRM for adjustment.

Maybe a few remotely controlled noise generators around in the far field? This would allow adjustment with the receiver but other signals might swamp a small noise source.

Any other ideas?

4) What sort of control in the shack?

I would probably start with simple manual controls (say a pot for each) and maybe later try for computer control. A program with some prestored tables could probably adjust the antenna very quickly.

Is anyone interested in discussing this?

gb wa4fut

```
From 1128551184584961739
X-Google-Language: GERMAN,ASCII-7-bit
X-Google-Thread: 10c9e3,72eb3aae79396219,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 12f11c,72eb3aae79396219,start
X-Google-Attributes: gid12f11c,public
X-Google-ArrivalTime: 1990-06-29 16:40:13 PST
Path: gmdzi!unido!rmi!infoac!bpk
From: bpk@infoac.rmi.de (Bernd P. Kieck)
Newsgroups: dnet.ham,rec.ham-radio
Subject: DEUTSCHLAND-RUNDSPRUCH DES DARC NR. 24/90 VOM 22.06.1990
Message-ID: <868@infoac.rmi.de>
Date: 29 Jun 90 13:00:36 GMT
Reply-To: "Bernd P. Kieck" <bpk@infoac.rmi.de>
Followup-To: dnet.ham
Distribution: eunet
Organization: RMI Net * Aachen/Hamburg/Flensburg * W.Germany
Lines: 130
Xref: gmdzi dnet.ham:319 rec.ham-radio:12493
Posted: Fri Jun 29 14:00:36 1990
```

DEUTSCHLAND-RUNDSPRUCH DES DARC NR. 24/90 VOM 22.06.1990

HERNE:

Der naechste ZRO-Test ueber OSCAR 13 wird am 30.06. zu folgenden Zeiten durchgefuehrt: um 18:40 UTC in Mode JL, Elevation 63 Grad, Squintwinkel 7 Grad; um 19:30 UTC in Mode B, Elevation 62 Grad, Squitwinkel 2 Grad. Gute Signale sind bei hoher Elevation und geringen Squintwinkel zu erwarten. Die Frequenzen sind fuer Mode B 145,840 MHz und fuer Mode JL 435,845 MHz. Eine genaue Anleitung zur Teilnahme ist in der cq-DL 8/89, Seite 495, nachzulesen.

HAMBURG:

Am 14.06. legte ein OM im 81. Lebensjahr bei der OPD Hamburg die Amateurfunkpruefung Klasse C ohne Probleme ab. Der glueckliche

Lizenzinhaber ist Hans Mueller, DG7XH. Er wurde 1909 geboren. OM Mueller beschaeftigt sich seit ueber 60 Jahren mit Funkempfang und Amateurfunk. Er baute in seiner Jugend Detektorenempfaenger und spaeter den legendaeren Roehrenempfaenger Lafayette selbst. OM Hans ist fachlich nicht vorbelastet und auch heute noch mit speziellen Kenntnissen in der Fotographie beruflich taetig. Wir wuenschen Hans noch viele Jahre als aktiven Funkamatuer. Herzlichen Glueckwunsch.

FRIEDRICHSHAFEN:

Vom 29.06.-01.07. findet die 15. HAM RADIO mit dem Bodenseetreffen statt. Das internationale Interesse ist weiterhin ausgesprochen gross. Die Unterbringung der vielen DARC-Gaeste aus dem Ausland bereitet den Organisatoren jedes Jahr immer groessere Anstrengungen.

Wie in den Vorjahren kann auch wieder das Messegelaende zum Zelten und Campieren in Anspruch genommen werden. Erstmals wird auch der RSV e.V., der Radio-Sport-Verband der DDR, mit einem Informationsstand vertreten sein. Mit Selbstbauexponaten, die den Funkamateuren bis vor kurzem in der DDR zur Verfuegung standen, soll den Besuchern gezeigt werden, unter welchen Bedingungen Amateurfunk in der DDR betrieben wurde.

Zu dem bereits traditionellen "Round-Table-Talk" werden sich wieder die Repraesentanten der auslaendischen Verbaende treffen. Welche Bedeutung diese Diskussionsrunden haben koennen, ist an dem Beispiel CEPT-Lizenz zu erkennen, dessen Idee in diesen Runden entstanden ist. Damit fuer den Amateurfunkdienst wichtige Themen effizienter besprochen werden koennen, werden nur ein bis zwei Repraesentanten eines jeden Verbandes an diesem Meeting teilnehmen.

Die naechste WARC wirft ihre Schatenn bereits voraus. Unter der Leitung von Wojiech Nietyksza, SP5FM, findet ein Meeting mit den Repraesentanten der anwesenden Amateurfunkverbaende zur Vorbereitung auf die naechste WARC statt. Das diesjaehrige Vortragsprogramm werden Referenten aus dem In- und Ausland gestalten. Zum Rahmenprogramm gehoeren selbstverstaendlich auch ein An- und Abreise-Mobilwettbewerb, Fuchsjagden und Treffen von Interessengruppen.

NIZZA:

Fuer die europaeischen Funkamateure ist der 25.06. ein denkwuerdiger Tag: Vor 5 Jahren, am 25.06.1985, hatte die Fernmelde-Kommission die "CEPT-Lizenz" fuer Funkamateure gebilligt - siehe cq-DL 8/85, Seite 49 und 6/86, Seite 478 -. Mit dieser Empfehlung war der CEPT ein grossartiger Wurf gelungen: Sie erlaubt Funkamateuren den zeitweiligen Betrieb mobiler und portabler Funkanlagen in beteiligten CEPT-Laendern aufgrund ihrer Heimatlizenzurkunde. In dieser muss die CEPT-Lizenzurkunde 1 - fuer alle im Gastland zugelassenen Amateurfunkfrequenzen - bzw. 2 - fuer die entspre-

chenden UKW-Frequenzen oberhalb 144 MHz eingetragen sein. Dabei duerfen beim Uebergang in ein anderes CEPT-Land die Privilegien der Heimatlizenz nicht ausgeweitet werden. Die Zuordnung der nationalen Lizenzklasen zu denen der CEPT-Lizenz bleibt dabei den nationalen Fernmeldeverwaltungen ueberlassen, denen die VO Funk Nr. 2736 die Festsetzung der jeweiligen Pruefungs- und Lizenzbestimmungen uebertragen hat. Mit dieser vom Geist der Liberalitaet und Toleranz gepraegten Regelung hat die CEPT 1985 Massstaebe gesetzt, die weithin und weiterhin Nachahmung verdienen.
Bis Juni 1990 haben folgende 16 der 26 CEPT-Laender die CEPT-Lizenz eingefuehrt: Belgien, Bundesrepublik Deutschland, Daenemark, Finnland, Frankreich, Grossbritannien, Liechtenstein, Luxemburg, Monaco, Niederlande, Norwegen, Oesterreich, Schweiz, Spanien sowie Griechenland - mit laendermaessigen Beschraenkungen - und Schweden - nur auf UKW -. Von den ueberschlaegig 280.000 im CEPT-Raum ansaessigen Funkamateuren koennen damit aber bereits rund 255.000, das sind 90 %, ein solches weltweit einzigartiges Privileg nutzen.
Nachdem sich auch die CEPT-Lizenz in der Praxis weitgehend bewaehrt hat, ist die CEPT nun bemueht, eine vergleichbare Regelung fuer laengerdauernde Aufenthalte an festen Wohnsitzen in anderen CEPT-Laendern zu entwickeln. Wuenschen wir ihr dabei eine aehnlich glueckliche Hand wie mit der CEPT-Empfehlung T/R 61-01.

RASTATT:

Schluss mit Verdruss ueber mangelnde elektromagnetische Vertraeglichkeit - EMV - einem haeufigen Problem in der Naehe von Amateursendeanlagen, stellt eine Firma in Aussicht. Ihr ozonunschaedliches Produkt ist ein neuer, hochleitfaehiger Schutzlack, der einfach auf das Kunststoffgehaeuse gesprueht wird und Eintritt wie Austritt elektromagnetischer Wellen verhindern soll.

FUNKWETTERBERICHT: (19.06.)

Am 12.06. begann ein heftiger Magnetstrum, dessen Ursache nicht bekannt ist. der Mittelwert der magnetischen Kennziffer Ak stieg an diesem Tag in unserem Gebiet auf 88 Einheiten; auch die beiden anschliessenden Tage waren mit Ak = 64 bzw. 68 noch erheblich gestoert. Waehrend des Sturmes kam es zu Aurora-Ausbreitung, die erst am 15.06. zu Ende ging. Seitdem hat sich die Magnetik beruhigt. Die F2-Grenzfrequenzen, die zwischen dem 12. und 14.06. stark abgefallen waren, haben ihr frueheres Niveau von maximal 9 MHz wieder erreicht. Der gegenwaertige Rueckgang der Sonnenaktivitaet, in dessen Verlauf die Sonnenflecken-Relativzahl und die 10-cm-Strahlung am 17.06. bis auf 148 bzw. 179 Einheiten abgesunken sind, wird voraussichtlich erst am Monatsende zum Stillstand kommen und von einem neuen Aktivitaetsschub abgeloest werden. Bis dahin kann mit normalen bis maessigen und nahezu stoerungsfreien Ausbreitungsbedingungen gerechnet werden.

Ende des DL-RS Nr. 24/90 vom 22.06.1990

Bearbeitung: DC7XJ @ DB0GR

···_·_

From 4691450033643335225
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bce5b7fb64356de
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-29 23:53:34 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Re: Making ham radio known
Message-ID: <9006291350.AA09667@ti.com>
Date: 29 Jun 90 13:34:55 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Fri Jun 29 14:34:55 1990

Somehow, Phil Karn fell off the string in "on the subject of tekkies vs politicians". What followed made no connection to the subject. How about we leave politics completely off this net so that it doesn't become the 313 of computerdom?

73,
Dube Todd N5PDK

From -3887261886627457467
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1152b8,2f4fb31130e954e0,start
X-Google-Attributes: gid1152b8,public
X-Google-Thread: 10c9e3,2f4fb31130e954e0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 101376,2f4fb31130e954e0,start
X-Google-Attributes: gid101376,public
X-Google-ArrivalTime: 1990-06-29 23:56:53 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!bloom-beacon!aviator
From: aviator@athena.mit.edu (Joakim Karlsson)
Newsgroups: rec.aviation,misc.emerg-services,rec.ham-radio
Subject: Civil Air Patrol Mailing List
Keywords: Civil Air Patrol, Search and Rescue
Message-ID: <1990Jun29.130654.11385@athena.mit.edu>
Date: 29 Jun 90 13:06:54 GMT
Sender: news@athena.mit.edu (News system)
Followup-To: rec.aviation
Organization: Flight Transportation Associates, Cambridge, MA
Lines: 188

Xref: gmdzi rec.aviation:5088 misc.emerg-services:195 rec.ham-radio:12496
Posted: Fri Jun 29 14:06:54 1990

1. Below is the latest version of the CAP mailing list.

2. I am still looking for someone who can provide a server/echo/alias based on this list. The list has over 40 users. I believe that we could a really interesting discussion going, if we could find out a good way of communicating with each other.

...Joakim

*** CUT HERE ***

Civil Air Patrol Mailing List
Version 3.0 - 27 Jun 90
Mail changes and additions to aviator@athena.mit.edu

```
Name                           Rank                 Callsign
Chart. #   Squadron Name                            Location
Preferred E-mail address

Barford, Lee                   1Lt                  Eagle 618 Mobile
           Jon E. Kramer Squadron 10                CA
barford@hpllab.hpl.hp.com

Barnes, Michael A.             1Lt
20274      Iron Range Composite Squadron            K.I. Sawyer AFB, MI
lwrclmr@sacemnet.af.mil

Baumgartner, Gerry             1Lt                  Sparrow 933 Mobile
08337      Broward Senior Squadron                  FL
gerry@ssd.csd.harris.com

Bell, Mark T.                  Cpt                  BeaverFox 49 Mobile
36065      Aurora Composite Squadron                OR
markb@intruder.wv.tek.com

Boyter, Brian                  Maj
45091      Monticello Squadron                      Charlottesville, VA
boyter@fstc-chville.army.mil

Bradley, Lee S.                1Lt                  Crescent 470 Mobile
39000      South Carolina Wing
wshb!mikebat!lee@uunet.uu.net

Carpenter, Ward                Cpt                  Nutmeg 264
06051      399 Composite Squadron                   Danbury, CT
wardc@orioneb.uunet.uu.net

Chalek, Carl                   Cpt
31043      Capital Group                            Albany, NY
```

```
chalekc@crd.ge.com

Coelho, John                   1Lt                  Pikes Peak 237 Mobile
05147      Thompson Valley Composite Squadron       Fort Collins, CO
coelho@hpsmpa.hp.com

Colvin, Dave
NOT CAP    London Air Patrol, CASARA                London, Ontario, Canada
ppddc@uwocc1.uwo.ca

Davis, Chris
NOT CAP
chris@locus.com

Dubner, Joe                    Cpt                  Magpie 162
10083      Coeur D'Alene  Composite Squadron        Coeur D'Alene, ID
dubner@hpspkla.hp.com

Eberhard, Jer/                 Maj                  Pikes Peak 218
05147      Thompson Valley Composite Squadron       Fort Collins, CO
jle%hpfcla@hplabs.hp.com

Forman, Jack                   Cpt                  Freedom 25 Mobile
19001      Massachusetts Wing HQ                    Hanscom AFB, Bedford, MA
jjf@mid.epps.kodak.com

Gampper, Jim                   SM
05147      Thompson Valley Composite Squadron       Fort Collins, CO
@

Gianino, Ken
           Gateway Squadron                         St. Louis, MO
ken@swbtatl.uucp

Grove, Robert M.
36065      Aurora Composite Squadron                OR
reed!arnav!rgrove@tektronix.tek.com

Gunn, Dale C.                  Cpt
19075      Mt. Wachusett Composite Squadron         Fitchburg, MA
dgunn@decwrl.dec.com

Hatfield, William T.
           Albany Senior Squadron                   Schenectady/Albany, N.Y.
hatfield@zeppo.crd.ge.com

Heil, Michael A.               1Lt
           West Bay Composite Squadron 192
mheil@cupertino.portal.com

Hirsch, Doug                   SM
19043      Hanscom Composite Squadron               Hanscom AFB, Bedford, MA
dhirsch@bbn.com
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```
Hollinger, Mark T.             SM
19075      Mt. Wachusett Composite Squadron         Fitchburg, MA
myth@ultra.enet.dec.com

Hull, Larry                    SM
           Thun Field Squadron                      Puyallup, WA
71150.3204@compuserve.com

Jain, Arun                     SM
           Clover Field Composite Squadron 51       Santa Monica, CA
izzyh79@oac.ucla.edu

Karlsson, Joakim               SM
19043      Hanscom Composite Squadron               Hanscom AFB, Bedford, MA
aviator@athena.mit.edu

Kinzelman, Paul                Cpt                  Freedom 686 Mobile
19075      Mt. Wachusett Composite Squadron         Fitchburg, MA
kinzelman@ecadsr.enet.dec.com

Kirkpatrick, Ron               2Lt                  BeaverFox 151 Mobile
36034      Washington County Composite Squadron     Hillsboro, OR
ronk@tektronix.tek.com

Larner, Joel                   1Lt                  Pikes Peak 293 Mobile
05147      Thompson Valley Composite Squadron       Fort Collins, CO
joell@hpgrrf.gr.hp.com

Perkin, Brian M.               1Lt
           San Jose Senior Squadron 80              San Jose, CA
bmp@hp-ptp.hp.com

Ritter, Roger                  2Lt
           Manchester Cadet Squadron                Manchester, NH
@

Roth, Gary L.                  1Lt
           Washington County Composite Squadron     Hillsboro, OR
garyr@pogo.wv.tek.com

Rucinski, Rollie               SM
05147      Thompson Valley Composite Squadron       Fort Collins, CO
rollier@hpgrzs.gr.hp.com

Sarbin, Ted                    Cpt                  Northwind 15
27001      Nevada Wing HQ                           Reno, NV
ted@tahoe.unr.edu

Spitzmiller, Ted
           Los Alamos Squadron                      Los Alamos, NM [?]
ths%woodsy@lanl.gov
```

```
Stacy, Christopher C.
NOT CAP
cstacy@ai.mit.edu

Swanstrom, John                 SM
19022      Worcester Cadet Squadron                 Worcester, MA
stang@ens.prime.com

Syriac, Diana L.                SM                  Freedom 690 Mobile
19075      Mt. Wachusett Composite Squadron         Fitchburg, MA
dls@genrad.com

Tabor, Dean                     Cpt
EX CAP     Fairbanks Cadet Squadron                 Fairbanks, AK
sxdjt@alaska.bitnet

Tuiskula, Warren J.             Cpt                 Freedom 684 Mobile
19075      Mt. Wachusett Composite Squadron         Fitchburg, MA
warren_tuiskula@es.stratus.com

Van Horn [?], Robert            SM
                                                    Los Alamitos, CA
rvanhorn@nrtc.northrop.com

Zarza, Luis
NOT CAP                                             Puebla, Mexico
ie74443@udlapvms.bitnet
--
Joakim Karlsson            | aviator@athena.mit.edu
Flying Fanatic in Training | Flying Status: 22.3 hrs dual and counting.
                 "Oh, I have slipped the surly bonds of earth
                And danced the skies on laughter-silvered wings"
```

From -5927756889514046411
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,486f814fdbc020fe,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-30 00:02:37 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!STLAWU.BITNET!MROWEN
From: MROWEN@STLAWU.BITNET (Mike Owen W9IP)
Newsgroups: rec.ham-radio
Subject: FM in VHF Contests
Message-ID: <9006291408.AA19647@ucsd.edu>
Date: 29 Jun 90 11:00:01 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Fri Jun 29 12:00:01 1990

Recently, Bob Witte, KB0CY, asked about the apparent absence
of FM in VHF contests. Here are a few comments:

1. FM is not very popular in VHF contests EXCEPT in California, where it is the main mode on 2m, and almost the only mode on 220 and 432 (woops- 223 and 450).

2. About 10 years ago, the VHF contest rules permitted unrestricted simplex FM activity. A few of the Big Gun multiops abused this rule and "took over" the most popular simplex channels in metropolitan areas. Consequently, stiff restrictions were eventually placed on FM operation (no 146.52, for example) so the FM people who wanted to communicate could do so without contest QRM.

3. Most FMers prefer repeaters and seldom spend much time on simplex. As a result of the fact that contest stations can't solicit QSOs on repeater frequencies, FMers may not be aware that a contest is in progress.

4. They may not care. Many FM-only (or FM-mainly) stations could not care less about contesting. So it's only fitting that they should be left alone. I think the FM restrictions are pretty reasonable.

W9IP/2
FN24 ... QRZed contest ...

From -6215882358526472966
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,240cc0d3d9a20c14,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-30 00:37:10 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: K1EA Contest Logging, etc.
Message-ID: <9006291507.AA02439@cmr.ncsl.nist.gov>
Date: 29 Jun 90 15:07:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 3
Posted: Fri Jun 29 16:07:08 1990

What is the current version of the K1EA software? Is it universal in being able to handle VHF contests as well as the HF ones?
Tnx Bob W3OTC

From -5419654080565308180
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6bf425f1d17d86d8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f611e,8da9f30cd7c2caac,start
X-Google-Attributes: gidf611e,public
X-Google-ArrivalTime: 1990-06-30 00:50:29 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!rpi!uupsi!uhasun!

jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Your response to N8DGN's QST comments.
Message-ID: <231@ultrix.uhasun.hartford.edu>
Date: 29 Jun 90 13:27:54 GMT
References: <9006290354.AA01463@cmr.ncsl.nist.gov>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 67
Posted: Fri Jun 29 14:27:54 1990

In article <9006290354.AA01463@cmr.ncsl.nist.gov>, rc@CMR.NCSL.NIST.GOV (Robert Carpenter) writes:
> To Jon Bloom,
> I think that, at least this time, you've missed the point.
> I know that you don't set the ARRL editorial policy, so don't take this too
> personnally - but you did a "company line" response when you had better
> ammo. Many of the arguers against the current QST editorial emphasis
> (like N8DGN) clearly recognize that they themselves are NOT in the
> mainstream of ham radio. They complain that QST editorial policy has
> written-off their interests entirely. 'DGN seems to be a microwave
> enthusiast. What has QST shown him lately? It wasn't very
> useful for you to tell him that he is out of the ham radio mainstream - why
> didn't you point out the two-part feature article on 903 MHz linears?
> At least it was above the antenna-switch technical level.

Well, I say what I think. Sometimes that happens to coincide with the "company line." If I remember right, the posting was about the microwave column. I've mentioned in several recent postings that there are other things published by ARRL--including feature articles--that IMHO more than make up for the loss of that column. Guess I should have said so in that response, too.

> **** SOAP-BOX MODE "ON" ****
> Many of us DO feel that QST should have at least ONE article above the lowest-
> common-denominator level (technically) each month. There is a claim

What's your definition of "lowest common denominator?" Looking over the past few months, I see a two-part article on 902-MHz power amplifiers, a two-part article on a PC-based weather satellite receiving system, an analysis of aurora techniques, an article on short top-loaded verticals (including--gasp!--integral equations), and an article on CP quagis for satellite use, among others. Now, none of those is breaking new technological ground, I'll grant you, but aren't they at least above the lowest common denominator?

> that QST is a publication for ALL HAMS... Don't leave out the 5 or 10% with
> some slight technical background. Twelve articles transplanted from QEX
> each year couldn't touch all the special-interest higher-tech aspects of
> hamdom - BUT THEY COULD ILLUSTRATE TO THE NON-HAM WHO PICKS UP QST THAT THERE
> IS STILL SOME TECHNICAL CONTENT IN HAM RADIO. I share your view that articles

A good point, although I'm not sure who you are trying to get that message to. If it's the man on the street or the high-school kid, the present content of QST is sufficient to overwhelm them technically. If you are trying to impress the professional engineer, I think we'd have to go a lot further than you suggest. But maybe non-ham electronics hobbyists would be drawn in by more technical content.

> are more valuable than monthly non-news special-interest columns. Is there
> ever any real info in Rip's satellite column? I think the complaints against

Well, Rip doesn't do it any more--see the title block on p. 68 of your June QST.

> "Nobody ever went broke underestimating the intellect of
> the American public". Does our national ham society's journal have to
> follow this rule so closely?

Come now, Bob. It's not like it was the New York Post or the National Enquirer. I'd like to see more techninal info in QST too, because that's my particular interest. And who knows, if enough people express an interest in having more technical info (and if it's submitted for publication), maybe it'll happen.

```
--
Jon Bloom, KE3Z                              | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu         |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

From 1062334827511968489
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,150262920fab4e52,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-30 01:22:12 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!DICKINSN.BITNET!GRAY_S
From: GRAY_S@DICKINSN.BITNET ("Gray, Steven")
Newsgroups: rec.ham-radio
Subject: Ham Station For Sale
Message-ID: <9006291613.AA25378@ucsd.edu>
Date: 29 Jun 90 16:09:55 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 21
Posted: Fri Jun 29 17:09:55 1990

The cost of school is such that I am going to have to get out of ham radio until I am sure that I can meet the tuition (sigh). Here's the list of my gear that I am going to have to get rid of:

Drake TX-4C/ R4-C/ AC-4.....just back (4 days ago) from being overhauled by Drake; still in the factory sealed boxes, with Drake warranty.

Icom IC-2SA....with extras, under a year old.

Kenwood TH-215A...also with extras, about a year and a half old.

Cushcraft R5....about a year old, with recent Cushcraft design updates.

I am the original owner on the last three pieces of gear; all are in very good to excellent condition, and function perfectly.

Drop me a line at gray_s@dickinsn.bitnet, or feel free to call at (717)-258-5477 anytime (I have an answering machine). Thanks!

---Steve Gray
NR3B

From 7119113171214984117
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,240cc0d3d9a20c14
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-30 03:27:12 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!haven!decuac!shlump.nac.dec.com!ricks.enet.dec.com!reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: Re: K1EA Contest Logging, etc.
Message-ID: <12979@shlump.nac.dec.com>
Date: 29 Jun 90 17:57:22 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 30
Posted: Fri Jun 29 18:57:22 1990

In article <9006291507.AA02439@cmr.ncsl.nist.gov>, rc@CMR.NCSL.NIST.GOV (Robert Carpenter) writes...

>What is the current version of the K1EA software?

The release version of CT is now 6.14, which was first available at Dayton. Version 6 added true multioperator support which was not present in version 5. Of course, bug fixes and other improvements are also included. CT information can be obtained by sending an SASE (or $25 for the program) to:

BILL McGOWAN, KC1EO
33 TRUELL RD
HOLLIS, NH 03049

>Is it universal in being able to handle VHF contests as well as the HF ones?

What do you mean by universal? CT supports the ARRL VHF QSO Parties (June and Sept), I'm not sure about January (unless it's the same logging information and scoring).

jim, AD1C

=-=

"The opinions expressed here in no way represent the views of Digital
Equipment Corporation."

James J. Reisert Internet: reisert@ricks.enet.dec.com
Digital Equipment Corp. UUCP: ...decwrl!ricks.enet!reisert
77 Reed Road
Hudson, MA 01749-2895

From -4736107515895544155
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,410c94d0c6bae87f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-30 05:12:15 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!RIA-EMH2.ARMY.MIL!jpedley
From: jpedley@RIA-EMH2.ARMY.MIL ("John Pedley, AMSMC-DSP-L")
Newsgroups: rec.ham-radio
Subject: Heath Dualband
Message-ID: <9006292004.AA17002@rutgers.edu>
Date: 29 Jun 90 20:05:05 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11
Posted: Fri Jun 29 21:05:05 1990

I am looking for the mod to expand the frequency coverage on the Heath HW24
dualband mobile. I have looked in the mods database, but there is no listing.
Does anyone on the net have this info? I'll take the mod info for the
handheld if anyone has it also. (all discussion about type acceptance is
duly noted) Thanks!

John Pedley, N0IPO
INTERNET: jpedley@ria-emh2.army.mil

From 3786806471470803696
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae5ea2009c6bc17d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-30 05:14:34 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!van-bc!ubc-cs!alberta!dvinci!news
From: hardie@herald.usask.ca (Peter Hardie)
Newsgroups: rec.ham-radio
Subject: Re: QRP ARCI address
Message-ID: <1990Jun29.192113.13698@dvinci.usask.ca>
Date: 29 Jun 90 19:21:13 GMT

Sender: news@dvinci.usask.ca
Organization: University of Saskatchewan, Saskatoon, Canada
Lines: 13
Posted: Fri Jun 29 20:21:13 1990

Tad Cook corrects my poor proof-reading:
>> Corrollton, TX 75007
>>
>
>actually, it is:
>CARROLLTON, TX   75007-3102
>Tad Cook
Thanks Tad, and MEA CULPA. I presume the zip code would have corrected any confusion at the post office. Also, the QRP Quarterly does not supply the extra -3102 on the end of the zip code.

73 de Pete VE5VA
hardie@skyfox.usask.ca

From 7209350101486272679
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,492caedc4e932abe
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-30 06:06:46 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: 6DQ6B specs
Message-ID: <1250180@hpnmdla.HP.COM>
Date: 29 Jun 90 16:22:38 GMT
References: <536@mlacus.oz>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 46
Posted: Fri Jun 29 17:22:38 1990

> Can anyone supply me with specs for the 6DQ6B TV horizontal sweep tube?
> The ones I have are made by GE. In particular...
>
> - max plate, screen and grid voltages and currents,
>
> - plate dissipation, capacitance.
>
> Any tips for use in linear service.
>
>
Paul

The mention of a 6dq6 brings tears to my eyes (oh no, guess it's just allergies). That was the final in my first transmitter.

My older handbook says:

plate dissipation 18 watts
Cin 1.2 pf
Cout 15 pf
Cgp .55 pf

Plate V 250
Grid bias   -22.5V   /*class C? */
Screen   150V
Screen Ma   2.4
Plate Ma   75
Transconductance 6600 micromhos

6.3V 1.2 A filaments

I don't think I ever ran this tube linear though I did screen modulate one for my first AM contact (Guys I worked thought I was a girl because my voice hadn't changed. Took me a couple of days to make the second QSO..)

Hope this helps...

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From -3349837600815355513
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b9771b8a1dea8a23
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-30 06:17:14 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!ncar!mephisto!rutgers!bellcore!casux4!jdn
From: jdn@casux4.uucp (jonathan nagy)
Newsgroups: rec.ham-radio
Subject: Re: cw rig recommendation
Message-ID: <24831@bellcore.bellcore.com>
Date: 29 Jun 90 20:50:47 GMT
References: <900628-071948-11669@Xerox|
Sender: news@bellcore.bellcore.com
Reply-To: jdn@casux4.UUCP (jonathan nagy)
Organization: Bell Communications Research, Inc.
Lines: 27
Posted: Fri Jun 29 21:50:47 1990

In article <900628-071948-11669@Xerox| "wayne_a._lightsey.RochXRC"@XEROX.COM writes:
| There are very sharp digitally-tuner

|capacitor based audio filters available on the market in the $140 price
|range that would assist the HW-101 tremendously in CW mode. Such a device
|would not help SSB, though.
|
Not so. I have used both the SuperScaf and the MSC switched capacitor
digital audio filters, and they both make quite a difference on SSB,
as well as CW and FSK.

|Additional bells and whistles (TS-940, TS-950, Icom
|767, 781, etc.) rapidly drive the price up to that of a small car (slightly
|used car?).
|
You must mean the Icom 765 here. But the 3 to 6 grand is much better
spent on any of these radios than a car! After all, you can't work
Bouvet with a used VW Bettle! :-)

|Good luck and best regards, Wayne, KB6CSP
Yes, shopping for the current crop of radios is fun.

73, Jon NK2D

Jonathan Nagy
jdn@navaho.cc.bellcore.com
(201) 699-4445

From 4753720216005399780
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d8f08a65bdf6351
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-30 06:17:26 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!ncar!mephisto!rutgers!bellcore!casux4!jdn
From: jdn@casux4.uucp (jonathan nagy)
Newsgroups: rec.ham-radio
Subject: Re: <$100 voice card
Message-ID: <24832@bellcore.bellcore.com>
Date: 29 Jun 90 20:54:00 GMT
References: <9006281445.AA05789@ucsd.edu>
Sender: news@bellcore.bellcore.com
Reply-To: jdn@casux4.UUCP (jonathan nagy)
Organization: Bell Communications Research, Inc.
Lines: 14
Posted: Fri Jun 29 21:54:00 1990

In article <9006281445.AA05789@ucsd.edu> BRUCEH@UTKVX3.BITNET writes:
>Someone mentioned that there was a voice card available for less than
>$100. I'm interested in such a card. Does anyone know the name of the
>company and a phone number?
>
Hmmm. Don't know anything about < $100 but COVOX makes a good
board with software for $150. Don't have their address offhand,
but they usually advertise in BYTE. Perhaps they are in Corvalis, Wash?

>
73, Jon NK2D

Jonathan Nagy
jdn@navaho.cc.bellcore.com
(201) 699-4445

From -1220954695615469105
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,240cc0d3d9a20c14
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-30 06:21:07 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!rutgers!bellcore!casux4!jdn
From: jdn@casux4.uucp (jonathan nagy)
Newsgroups: rec.ham-radio
Subject: Re: K1EA Contest Logging, etc.
Message-ID: <24833@bellcore.bellcore.com>
Date: 29 Jun 90 21:03:48 GMT
References: <9006291507.AA02439@cmr.ncsl.nist.gov>
Sender: news@bellcore.bellcore.com
Reply-To: jdn@casux4.UUCP (jonathan nagy)
Organization: Bell Communications Research, Inc.
Lines: 13
Posted: Fri Jun 29 22:03:48 1990

In article <9006291507.AA02439@cmr.ncsl.nist.gov> rc@CMR.NCSL.NIST.GOV (Robert Carpenter) writes:
>What is the current version of the K1EA software?
6.0
> Is it universal in being
>able to handle VHF contests as well as the HF ones?
No.
>Tnx   Bob W3OTC

73, Jon NK2D

Jonathan Nagy
jdn@navaho.cc.bellcore.com
(201) 699-4445

From 7077096873153797283
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed2dd39a7a2df625,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-30 07:42:25 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: Ham Radio, CQ etc .....
Message-ID: <1250181@hpnmdla.HP.COM>

Date: 29 Jun 90 18:14:30 GMT
References: <1990Jun28.183631.18323@cbnewsm.att.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 47
Posted: Fri Jun 29 19:14:30 1990

Bob Atkins KA1GT writes:

> On the subject of technical article, submitting them is of course required to get them published, but also of great importance is the attitude of the editor of the magazine. There is probably little point in going through the effort (and believe me it requires effort) of writting a detailed technical article on say, a complete solid state 10 GHz transverter, if the editor is going to say "too long", or "too technical", or "not enough reader interest". I very much doubt that such an article would be accepted by 73, CQ or QEX. It might get into QST with enough lead time. I think our best hope for technical articles would be a new publication from the CQ stable. I'm keeping my fingers crossed.

I can tell you that it *didn't* get into QST when I gave them first option on it in 1987 (By "it" I am referring to my all band all-mode microwave station series that went into Feb/June/October 1988 HR which detailed a complete 10368 MHz transverter). They did say "too long" and "too technical".

QST suggested that it could go into QEX in a million installments. Although QEX had handled the 10 GHz filters article I did previously pretty well, I wasn't excited about a 15 part article.

On the other hand HR didn't really seem too sure what the article was about... maybe it was just my poor writing style.

I have the impression that Paul Rinaldo would like to see QEX expand a bunch and I wonder if we shouldn't consider trying to support him in this. I got my copy of CQ like everyone else and I see no particular reason that the current advertisers should be particularly helpful to articles of more technical depth. QEX at least has some of the "fringe" advertisers.

I know that a lot of us are frustrated with the current state of amateur technical publications but maybe even those of here on Usenet can have more impact than we think.

Could we possibly overcome our differences and frustration enough to actually do something in a coordinated way?

In a sense I think this question is a microcosmic view into amateur radio's future. A lot of us care and we are all different. Can we effectively work as a group? This kind of cooperation is what saved amateur radio after we lost all the "good" spectrum above 200M in the early 1900's, I believe we need it again if we are going to survive in the 21st century.

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From -8075644892509044401
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49c02600aa4e1618,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-30 08:17:10 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Technical information for mags.
Message-ID: <9006292251.AA21191@ti.com>
Date: 29 Jun 90 22:38:05 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Fri Jun 29 23:38:05 1990

For all of those who are flaming QST and CQ for the lack of technical articles, here's a suggestion before I depart for vacation: WRITE A TECNICAL ARTICLE AND SUBMIT IT to the mag of your choice. In about 6 months, if we don't haven't noticed an increase and/or update of technical content then we'll know for sure..

In December, we'll look for a report from these folks about how many articles they submitted vs how many were published.

See, it's simple.

73, and CUL
Dube   N5PDK

From -5446660064284611799
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7471b47effbe89cb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-30 08:19:32 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: CB Channel 9 is for emergency traffic!
Message-ID: <286.268BBA4B@w8grt.fidonet.org>
Date: 29 Jun 90 20:19:12 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 35
Posted: Fri Jun 29 21:19:12 1990

In Message-ID: <6215@helios.TAMU.EDU> Bill Gunshannon sez:
> Well, I guess you didn't RTFM either. As it stands right now there is
> no way
> anyone using a CB radio is doing so legally and in accordance with PART
> 95.

>
> You see there is this little piece in there about identifying with your
> FCC
> assigned call-signs and being as the FCC doesn't assign them and enough
> time
> has elapsed that all previous licenses have expired, how do you propose
> to
> comply??

It was my understanding that the FCC sidestepped that issue by issuing a "group license" to all citizens and residents of the USA. If they cared at all about callsigns, they might have specified "tactical callsigns selected by users" or some such gimmick.

This is a different age, Bill. In "our day" people felt the need for the structuring and order provided by licensing and testing - rules and regs and proper procedures and all that good stuff. Today's young people especially feel comfortable in a world of semi-organized chaos.

In other words, we were born in a "Why?" world. Today's society is a "Why not?" world. I'm not saying that's better. It's just the way it is.

```
--
  |\/\/\/|
  |      | Jim Grubs, W8GRT - aka FidoNet node 1:234/1
  | (o)(o) UUCP: {ncar!asuvax!stjhmc!,iuvax!ndmath!nstar}!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____          of the Mind and ride the NOS!"
```

From 2901236716432751947
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c85d0f560d24060,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-30 08:21:46 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!ucbvax!oakisl.enet.dec.com!judice
From: judice@oakisl.enet.dec.com ("Lou Judice, 908-562-4103 29-Jun-1990 1719")
Newsgroups: rec.ham-radio
Subject: NJ "Scanner Law" PASSES in Senate!!!!!
Message-ID: <9006292120.AA17957@decpa.pa.dec.com>
Date: 29 Jun 90 21:20:47 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 51
Posted: Fri Jun 29 22:20:47 1990

****
IMPORTANT NEWS FOR NEW JERSEY READERS!!!!!
****

There's good news and bad news... S-305 was PASSED by the New Jersey Senate. The bill has been referred to the Assembly Judiciary, Law and Public Safety committee. New Jerseyites are just two steps away from being able to legally use wideband receivers in their automobiles.

The bad news is that NJ's law enforcement community is complaining about the bill. I received a letter from Senator John Lynch (sponsor of S-305) urging supporters of the bill "to contact Assemblywoman Ford (Chairperson of the Assembly Committee reviewing S-305) to press for timely consideration of the bill by her committee and assure that the amendments to this legislation do address the legitimate concerns of law enforcement groups".

The address for The Honorable Marlene Lynch Ford is:

200 Main Street, Suite 2
Toms River, NJ 08753
201-240-2200

Senator Lynch attached a letter to Assemblywoman Lynch from P.O. Michael Brunson, chairman of the legislative committee of the NJ Police Traffic Officer's Association, urging ammendment of S-305. His concerns were:

- persons with the ability to receive police communications will interfere with emergency activities.

- they will try to avoid traffic tickets by ascertaining the location of patrols.

- And "many many more reasons that I could cite you and your committee" - though apparently he could not think of any at the time he wrote his letter.

I agree with Officer Brunson that anyone who uses a scanner to interfere with emergency activities should be ARRESTED. And that is exactly what S-305 provides for - misuse of radios is ILLEGAL, possesion is LEGAL. I disagree with his second point - having listened to police communications for a long time, there is little or nothing that would be of any use to speeders.

I strongly suggest readers WRITE or CALL Assemblywoman Ford TODAY, as well as your own assemblywoman.

Thanks,
Lou

From 3850457657875791421
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,37a7226cc37ada42,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-06-30 09:04:26 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!apple!mips!twg.com!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: Contesting from ZF8
Message-ID: <7475@gollum.twg.com>
Date: 30 Jun 90 00:15:59 GMT
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 14
Posted: Sat Jun 30 01:15:59 1990

I recently returned from a diving vacation in Cayman Brac (ZF9), and on the way to and from our little 8-seater plane stopped on the island of Little Cayman (ZF8). This place was so beautiful, and the diving I did there so great, that I've decided to go back with the excuse of running a contest from ZF8. So here's the question I would pose to any other contesters out there: which one should I go for? I don't see where ZF8 would be much for CQWW (you have to get through the east coast wall for Europe), but it would be a great one for the ARRL contest in February. Trouble is, the water is cold enough by February that I'd have to wear a wet suit diving. Same thing for WPX. So...what contest (and I only want to run a CW contest) happens before the end of November and would be a good one with a ZF8 prefix? Any suggestions would be appreciated.

AA6KX

From 2390085103089399371
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca0db8df1aaba218,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-30 09:08:37 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: unsubscribe
Message-ID: <9006292251.AA21195@ti.com>
Date: 29 Jun 90 22:38:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 3
Posted: Fri Jun 29 23:38:50 1990

unsubscribe
tnx
Dube

From -8103989539812207328
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,3bce5b7fb64356de
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-30 09:13:11 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Making ham radio known
Message-ID: <14756@ucsd.Edu>
Date: 29 Jun 90 17:25:12 GMT
References: <9006291350.AA09667@ti.com>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 19
Posted: Fri Jun 29 18:25:12 1990

In article <9006291350.AA09667@ti.com> dube@cpdvax.csc.ti.com writes:
>How about
>we leave politics completely off this net so that it doesn't become the
>313 of computerdom?
>73,
>Dube Todd  N5PDK

Ugh. Ick.  Smells like politics, looks like politics, feels like
politics, tastes like politics.  Glad I didn't step in it.

Actually, this is one of the best places I can think of to argue ham
radio politics.  There's a wide, more-literate-than-elsewhere audience,
and the free exchange of ideas not only encouraged, but not crippled by
needless anachronistic impedimentia (callsigns, q-signals, morris crud,
etc.) that somehow seems to accompany on-the-air discussions.  Who
knows?  We might actually come up with a good idea or two!

Politics, you see, is what mankind evolved to replace battles.
         - Brian


From 516617178608624985
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bce5b7fb64356de
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-30 10:37:47 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!ucbvax!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: ARRL books (was Re: Making ham radio known)
Message-ID: <7880172@hpfcdc.HP.COM>
Date: 29 Jun 90 19:50:46 GMT
References: <9006172224.AA03527@ucsd.edu>
Organization: HP Ft. Collins, Co.
Lines: 27
Posted: Fri Jun 29 20:50:46 1990

> We need all of that we can get.
```

Well not quite ALL, I mean, would you really want, for example, *every* U.S. citizen to be licensed? There isn't that much bandwidth.

I agree, though, that moderately increasing the number of people I can talk with wouldn't be such a bad thing. :-)

> Were those folks (since they were up on a mountain...) part of a club
> or organization...

Well, not those ones in particular, but I see (and sometimes even participate in) Colorado Mountain Club trips.

> Is there a way you can arrange for a presentation at one of their
> meetings about ham radio?

Sounds like work! :-)

> Go try all the neat things you can do, and if you can do a favor for a
> friend or a stranger, let 'em know it was a HAM who did it!

Now that I can do and have been doing. Merely hiking with a radio on my pack has generated lots of comments and questions. Thinking about it, in my 13 years of Colorado mountaineering that's been a really rare sight. I mention to people that if they have an emergency (very unlikely), they should get ahold of me on up the mountain or whatever.

From 3077154015429331823
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,13751fba59da083c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-30 10:51:19 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9006300438.AA02868@ucsd.edu>
Date: 30 Jun 90 04:33:53 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 378
Posted: Sat Jun 30 05:33:53 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial BBS, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

- Current NASA Prediction Bulletins #711 -
Alouette 1

```
1 00424U 62B-A  1 90168.70700584  .00000194  00000-0  22260-3 0  3291
2 00424  80.4632 285.5609 0022255 272.8130  87.0472 13.67357195382760
ATS 3
1 03029U 67111  A 90169.61083641 -.00000074  00000-0  99999-4 0  3900
2 03029  13.2048  21.2123 0013764 209.8859 150.0238  1.00272775 82805
Cosmos 398
1 04966U 71 16  A 90172.56085894  .00071779  17552-4  40041-3 0  9373
2 04966  51.5172 228.0287 2267954 155.4638 217.3728 11.06870828592180
Starlette
1 07646U 75010  A 90165.39663347 -.00000037  00000-0  18111-4 0   840
2 07646  49.8192 169.4922 0205777 181.9634 178.0466 13.82139069775396
LAGEOS
1 08820U 76039  A 90169.20473505  .00000002  00000-0  00000 0 0   840
2 08820 109.8514 355.4704 0044569 237.9393 121.6955  6.38664272 74004
GPS-0001
1 10684U 78020  A 90171.42595927  .00000007  00000-0  99999-4 0  4370
2 10684  63.7567  89.4642 0116043 207.9070 151.4739  2.00557530 75917
GPS-0002
1 10893U 78 47  A 90167.41385619 -.00000025  00000-0  00000 0 0  1963
2 10893  64.2968 330.3615 0166499  24.4299 336.3788  2.00545376 88651
SeaSat 1
1 10967U 78064  A 90169.43698656  .00000944  00000-0  36908-3 0  3462
2 10967 108.0231 322.7349 0003123 231.6281 128.4614 14.35714487626635
GPS-0003
1 11054U 78093  A 90167.20229175 -.00000024  00000-0  00000 0 0  2370
2 11054  63.9268 326.7216 0060143 118.4839 242.1302  2.00567124 85668
Nimbus 7
1 11080U 78098  A 90172.29012292  .00000099  00000-0  11768-3 0  6810
2 11080  99.1949  77.1237 0009855  72.1461 288.0767 13.83439362588605
GPS-0004
1 11141U 78112  A 90168.79787832  .00000007  00000-0  00000 0 0  3880
2 11141  63.7131  89.4147 0059976 316.9543  42.5789  2.00557226 84399
GPS-0005
1 11690U 80 11  A 90168.93914504  .00000008  00000-0  00000 0 0  9904
2 11690  64.1783  91.5102 0116168 202.9906 156.4995  2.00556113 90255
GPS-0006
1 11783U 80 32  A 90172.73721227 -.00000024  00000-0  00000 0 0  1575
2 11783  63.7181 326.1110 0151057  60.7445 300.7515  2.00558097 74410
GOES 5
1 12472U 81049  A 90171.69289864 -.00000181  00000-0  99999-4 0  9370
2 12472   3.4898  75.8399 0002501 334.7230  24.8438  1.00218379 32264
DE 1
1 12624U 81 70  A 90172.04046719  .00000418  00000-0  19338-2 0  4557
2 12624  89.0435 147.8534 6203010 281.0048  19.1270  3.51022568262252
SME
1 12887U 81100  A 90171.68570105  .00037441  00000-0  63830-3 0  7097
2 12887  97.6316 219.3445 0002135  60.4469 299.6947 15.51272493481815
Salyut 7
1 13138U 82 33  A 90172.71892332  .00035407  00000-0  36358-3 0  3380
2 13138  51.6023 281.2703 0000769 286.6913  73.3632 15.64565311465562
Cosmos 1383
1 13301U 82 66  A 90171.83392220  .00000133  00000-0  14472-3 0  5801
2 13301  82.9300 298.1003 0027851 147.5363 212.7513 13.67832765398174
```

```
LandSat 4
1 13367U 82 72  A 90172.04304150 -.00000019  00000-0  79924-6 0  3683
2 13367  98.1657 234.4962 0004572 111.8541 248.3191 14.57131459421866
IRAS
1 13777U 83  4  A 90170.35291732  .00000351  00000-0  26764-3 0  7837
2 13777  99.0276   7.1173 0013724  24.5337 335.6467 13.98800581 47244
Cosmos 1447
1 13916U 83 21  A 90171.61779284  .00000125  00000-0  12142-3 0  7300
2 13916  82.9436   9.5226 0038531 127.7444 232.7212 13.74046222363144
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GOES 6
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2 14050   2.2403  78.2756 0001686 258.5217 100.8038  1.00292057 10309
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LandSat 5
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2 14780  98.2053 232.0831 0000567 126.6055 233.5200 14.57108316335283
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1 14781U 84 21  B 90169.58912495  .00001625  00000-0  30884-3 0  7509
2 14781  97.9489 222.0956 0011372 243.6577 116.3475 14.65432665336172
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Cosmos 1574
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1 15271U 84 97  A 90170.29128355 -.00000024  00000-0  00000 0 0  8621
2 15271  63.2121 325.7569 0105211 327.3740  31.9573  2.00556627 41192
Cosmos 1602
1 15331U 84105  A 90169.56775426  .00002778  00000-0  37866-3 0  3135
2 15331  82.5337 359.6328 0023773 332.6843  27.3135 14.78192508308298
NOAA 9
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2 15427  99.1676 172.2267 0015327   1.9416 358.1810 14.12601877284563
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2 16095  51.6080 285.1580 0001449  30.4940 329.4545 15.64534414266542
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RS-10/11
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Meteor 2-16
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2 18312  82.5545 288.2315 0010939 243.6165 116.3872 13.83653719143343
Meteor 2-17
1 18820U 88  5  A 90172.89461377  .00000155  00000-0  12865-3 0  2960
2 18820  82.5438 346.7171 0015818 315.1391  44.8495 13.84348230120830
DMSP B5D2-4
1 18822U 88  6  A 90172.91794690  .00000546  00000-0  26678-3 0  5192
2 18822  98.6470  51.8560 0005414 260.4843  99.5722 14.21479670123497
AO-13
1 19216U 88 51  B 90169.21205142  .00000183  00000-0  99999-4 0  1323
2 19216  56.9974 149.9110 6972403 229.4910  45.2756  2.09695778 15428
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Meteor 3-2
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2 19336  82.5318 275.2112 0015982 310.2493  49.7114 13.16899625 91363
NOAA 11
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Akebono
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Meteor 2-18
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Magion 2
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Kvant-2
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tkelso@blackbird.afit.af.mil         Air Force Institute of Technology
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From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletin Format
Message-ID: <9006300436.AA02855@ucsd.edu>
Date: 30 Jun 90 04:34:38 GMT
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AAAAAAAAAAA
1 NNNNNU NNNNNAAA NNNNN.NNNNNNNN +.NNNNNNNN +NNNNN-N +NNNNN-N N NNNNN
2 NNNNN NNN.NNNN NNN.NNNN NNNNNNN NNN.NNNN NNN.NNNN NN.NNNNNNNNNNNNNN
```

Line 1 is a eleven-character name.

Lines 2 and 3 are the standard Two-Line Orbital Element Set Format identical to that used by NASA and NORAD. The format description is:

Line 2

Column	Description
01-01	Line Number of Element Data
03-07	Satellite Number
10-11	International Designator (Last two digits of launch year)
12-14	International Designator (Launch number of the year)
15-17	International Designator (Piece of launch)
19-20	Epoch Year (Last two digits of year)
21-32	Epoch (Julian Day and fractional portion of the day)
34-43	First Time Derivative of the Mean Motion or Ballistic Coefficient (Depending on ephemeris type)
45-52	Second Time Derivative of Mean Motion (decimal point assumed; blank if N/A)
54-61	BSTAR drag term if GP4 general perturbation theory was used. Otherwise, radiation pressure coefficient. (Decimal point assumed)
63-63	Ephemeris type

65-68	Element number
69-69	Check Sum (Modulo 10) (Letters, blanks, periods = 0; minus sign = 1; plus sign = 2)

Line 3

Column	Description
01-01	Line Number of Element Data
03-07	Satellite Number
09-16	Inclination [Degrees]
18-25	Right Ascension of the Ascending Node [Degrees]
27-33	Eccentricity (decimal point assumed)
35-42	Argument of Perigee [Degrees]
44-51	Mean Anomaly [Degrees]
53-63	Mean Motion [Revs per day]
64-68	Revolution number at epoch [Revs]
69-69	Check Sum (Modulo 10)

All other columns are blank or fixed.

Example:

```
NOAA 6
1 11416U          86 50.28438588 0.00000140           67960-4 0  5293
2 11416  98.5105  69.3305 0012788  63.2828 296.9658 14.24899292346978
```

Note that the International Designator fields are usually blank, as issued in the NASA Prediction Bulletins.

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

---

From -2924097748877727732
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,66f97db250bd76f2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-30 11:01:04 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: 6DQ6B SPECS
Message-ID: <9006300405.AA26340@ti.com>
Date: 30 Jun 90 03:55:23 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 26
Posted: Sat Jun 30 04:55:23 1990

My GE handbook gives these specs for the 6DQ6-B:

Fil Volts: 6.3
Fil Amps: 1.2

Pdis (Watts): 18
Max Ep: 770 (Supply volts, Design Maximum)
Max Screen Volts: 220 (Design Max)
Max Screen Watts: 3.6 (Design max)
Cin: 15 (without external shield)
Cout: 7.0 (without external shield)
Cg-p: 0.5 (without external shield)

In Horizontal Amp service (TV):
Ep: 250
Es: 150
Eg: -22.5
Ip: 65 mA
Is: 1.5 mA
Rp: 18,000 ohms
Gm: 7,300 uMho

A note says that in this service the design maximum positive plate pulse voltageis 6,500
and the design maximum dc cathode current is 175 mA.

73,
Dube Todd

From -7513410066402702877
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5c423456f1426a14,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 22:03:39 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!hplabs!hpcc01!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: DTMF sel call on TH-26AT & IC-2SAT
Message-ID: <24300017@col.hp.com>
Date: 26 Jun 90 20:42:22 GMT
Organization: HP Colorado Springs Division
Lines: 15
Posted: Tue Jun 26 21:42:22 1990

Can someone tell me how the DTMF selective call feature works
on the Kenwood TH-26AT (or TH-46AT) and the ICOM IC-2SAT?
Also, any comments pro or con on these HT's are hereby solicited.

Bob Witte   HP Colorado Springs Division
bobw@col.hp.com   P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO 80901
Radio: KB0CY   Packet: kb0cy@w0lkd

"Ban all activities that I don't participate in...
 they are obviously non-essential."

From 5505572169481125332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bce5b7fb64356de
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 23:05:11 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: Making ham radio known
Message-ID: <165@bongo.UUCP>
Date: 26 Jun 90 07:10:58 GMT
References: <9006172224.AA03527@ucsd.edu> <7880159@hpfcdc.HP.COM> <164@bongo.UUCP> <202@ultrix.uhasun.hartford.edu>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 93
Posted: Tue Jun 26 08:10:58 1990

In article <202@ultrix.uhasun.hartford.edu>, jbloom@uhasun.hartford.edu (Jon Bloom) writes:
> In article <164@bongo.UUCP>, julian@bongo.UUCP (Julian Macassey) writes:
> > Now my beef is that the ARRL is not pushing the science angle to the
> > public. The constituency of the ARRL is HF Contesting. Don't believe
> > me? Read QST. Then see who the elected officers are, certainly in my
> > neck of the woods, they are all DXCC (No AT&T endorsement) types.
>

Lots of stuff deleted.

> Understand, though, that resources--especially time--are hard to come
> by at ARRL HQ. The EAD has three people in it. Two of them work full
> time getting requested material out to the preople/clubs requesting
> it; the other one (Rosalie) has to do everything else, which includes
> planning the Educational conference, coordinating the SAREX missions,
> coordinating the generation and publication of lesson plans, etc. So
> don't expect that they can initiate a large-scale program and carry
> it through. What works best is when volunteers do more than just come
> up with good ideas. If you can locate someone capable of producing the
> spots, locate the people to appear in them, get scripts written, shoot
> the spots, title them, and deliver them to ARRL HQ, maybe they'll get
> distributed, but it would be better to locate someone to take care of
> distribution too. It's not that we don't care, it's that we don't have
> the time and the money to do all of the good things that you (and we) would
> like us to do. I don't remember the exact numbers, but in the last ten
> years the number of staff has stayed nearly constant while the membership
> has increased by something like 40%. (That's probably not the right number,
> but the point is the number has increased a lot.) So things are operating
> about full-out at HQ.

Let me see, same number of bods and 40% more members, that makes 40% more money.

So what is happening at HQ? Let the ARRL themselves tell us how these scarce resources paid for by our subscriptions (Yes, mine as well) are advancing the radio art and challenging the borders of engineering and science:

+ ARRL LETTER - VOLUME 9 - NUMBER 12 - June 15, 1990 - Page 3 of 4

+ HQ HOSTS OPEN HOUSE

+Lab supervisor Jon Bloom, KE3Z, demonstrated for visitors the League's setup
+for measuring transmitter spectral purity, with a commercial 2 meter FM
+transceiver and a Hewlett Packard spectrum analyzer. Visitors also got a
+peek at a 20 meter transceiver being designed by staff member Zack Lau,
+KH6CP, showing several stages of the development process. This rig is being
+designed for production and donation to amateur societies in third world
+countries.

We are going to pay for the third world to get free U.S. Built radios? For 20M too no less.

+ DXCC BEGINS MOVE TO DATA PROCESSING

+DXCC automation has begun in earnest, with final testing of software
+completed June 1. New applications and endorsements are entered into a mail
+log for tracking through the system. This log helps staff members quickly
+answer questions regarding the status of DXCC applications and endorsements
+in progress. On June 11 "backfilling" began--the process of entering past
+records into the computer on a priority basis. As endorsement applications
+are received they are backfilled to bring the applicant's record up to date;
+the endorsement is then processed.

I wonder how many Microwave columns in QST this would pay for? But hey gotta keep proving to ourselves that with a modern equipment it is technically possible to talk to at least 100 countries, even if some of them are uninhabited reefs. What will we do when the contesters die off?

+* Last week, a formal application for DXCC status was received at HQ for the
+Penguin Islands, a string of 13 islets off the coast of Namibia. The
+application, made by DK9KX, KC1AG, and ZS9A, indicates that the islands are
+claimed by South Africa, and propose DXCC status based on the islets'
+meeting the 75-mile minimum separation from S. Africa. It can be expected
+that the the DX Advisory Committee will require several months to
+deliberate on the application.

My fees pay to prove that more desert islands are really countries? No wonder they are busy at the ARRL, this is important stuff. We can't just leave it up to the UN to decide who and what is a country.

+ * The *RSGB Microwave Handbook Vol. 1* is the latest addition to the
+ARRL library. Edited by G3PFR, it covers microwave theory and practice in
+mostly non-mathematical language. Two additional volumes will follow. 224

+pages.
I recall a time when the ARRL produced manuals that were respected all over the world. Now we have to get the RSGB (1/10 size of ARRL) to produce books on Microwaves etc. The book probably has metric dimensions too.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From 1699140215081706098
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc45f70577cde227
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 23:07:49 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Re: How to buy a QSO, 20 M mess, etc...
Message-ID: <7880168@hpfcdc.HP.COM>
Date: 26 Jun 90 22:47:58 GMT
References: <1990Jun25.144036.27405@dg-rtp.dg.com>
Organization: HP Ft. Collins, Co.
Lines: 33
Posted: Tue Jun 26 23:47:58 1990

Re: 200 W maximum, beam antennas

While I agree in principle (the right tool for the job and all that), there are some realities that creep in -

1. Not everyone can erect a beam. High wind is a problem. Phased Omnis take more real estate than I have. There are also those pesky covenants.

2. I can think of many positionings of 2 receiver/transmitter pairs where a beam won't help.

3. It is sometimes necessary to use >200W on 40/80/160 to get over QRN, especially during summer.

4. The use of omnidirectional antennas is appropriate to a roundtable, which is typical of 40/80.

5. Ever see an 80 meter beam on a tower ? I've seen K0RF's. It looks tenuous.

Yes, one can do a lot with antennas. However, it isn't the technology that is the problem, it's the operator. Any power in excess of that required to make the contact is illegal. We already have the laws;

where is the enforcement ? Maybe the problem is us - macho signal reports seem to be better than good operating skills.

When was the last time I asked someone to QRP ? I dunno. I'm part of the problem, too. S9+40 is real easy listening.

Perry
KF0CA

From 2899336649610992267
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,624b842fa5b06954,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-27 00:47:31 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.UUCP (Constructive Frivolling)
Newsgroups: rec.ham-radio
Subject: CQ reviews
Keywords: vs. CQ ads
Message-ID: <32598@ut-emx.UUCP>
Date: 27 Jun 90 04:52:27 GMT
Organization: The University of Texas at Austin, Austin, Texas
Lines: 20
Posted: Wed Jun 27 05:52:27 1990

I dunno if it's true of the review of the loop antenna thingy discussed here, but a few issues ago there was a review of an HF amplifier in CQ, and an ad for the same thing in that issue as well. I remember noticing that the two were identical in places, as if someone had just reeled off the specs from the ad and called it a review. I remember thinking at the time that this was very poor practise, it was as if the mag had just given the guys selling the amp another page to say the same thing only not head it 'advertisement'. It may have been the same issue as the one with the loop thingy review, if anyone has more energy than I have and wants to go and check.

Interestingly, our Physics-Math-Astronomy library gets CQ Mag, perhaps a previous librarian was a ham.   I'd never see it otherwise.

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
wills@utxvm (Bitnet)

From -685644438013379189
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6bbae5ac4bf56968
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: f5cc0,6bbae5ac4bf56968
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-06-27 04:17:37 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!wuarchive!zaphod.mps.ohio-state.edu!mips!daver!tscs!tct!chip
From: chip@tct.uucp (Chip Salzenberg)
Newsgroups: rec.ham-radio,sci.space
Subject: Broadcast commands?
Keywords: Amateur Satellite News
Message-ID: <2687B955.F01@tct.uucp>
Date: 26 Jun 90 19:36:53 GMT
References: <311@ka2qhd.UUCP>
Organization: ComDev/TCT, Sarasota, FL
Lines: 17
Xref: gmdzi rec.ham-radio:12424 sci.space:13581
Posted: Tue Jun 26 20:36:53 1990

According to kd2bd@ka2qhd.UUCP (John Magliacane):
>Fuji-OSCAR-12 has been heard on recent occasions by G3IOR, G3CAG and G4CUO.
>The spacecraft is apparently receiving enough sunlight to produce a weak
>battery charging current and support low-power transponder and beacon
>operations. FO-12 was switched off by telecommand last year, but apparently
>switched back on when it received commands sent to its sucessor, FO-20.

Now, wait a minute.

Does this mean that the commands to the various spacecraft are not all tagged with destination IDs?

I can imagine what kind of confusion a lack of satellite ID could, and apparently can, cause. "Retract your solar panels. No, not you -- the one with the bent antenna. Yeah, you." :-)
--
Chip Salzenberg at ComDev/TCT   <chip@tct.uucp>, <uunet!ateng!tct!chip>

From -5726239772058709641
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93a723376a71cede
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9270,93a723376a71cede
X-Google-Attributes: gidf9270,public
X-Google-Thread: 105d97,93a723376a71cede
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-06-27 04:19:41 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.video,sci.electronics,rec.ham-radio
Subject: Re: HDTV and Waveform Modulation
Keywords: HDTV waveform PSI
Message-ID: <811@ke4zv.UUCP>
Date: 26 Jun 90 22:13:45 GMT
References: <4454@milton.u.washington.edu>

Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Followup-To: rec.video
Organization: none
Lines: 49
Xref: gmdzi rec.video:2935 sci.electronics:7233 rec.ham-radio:12425
Posted: Tue Jun 26 23:13:45 1990

In article <4454@milton.u.washington.edu> cfogg@milton.u.washington.edu (Chad Fogg) writes:
>A new term to add to the HDTV glossary, waveform modulation is given
>a brief mention in the July 1990 issue of _Video_Magazine_, page 50.
>
>Richard Gerdes, PSI co-founder, explains that their technique "alters
>the shape of the carrier and transmits the result of that altered wave
>shape."

This is called "modulation" and is what all transmitters do to convey
intelligence on a carrier.

>At the NTSC level:
>
>   PSI gas already developed a commercial product using waveform modulation
>   for NTSC broadcasts: an encoder and decoder that allows an NTSC station
>   to broadcast two channels simultaneously from one transmitter. "You
>   could tune to channel 4A or 4B using the decoder," Gerdes says. The
>   FCC has already granted an experimental license for channel 11 in Tuscon,
>   a Fox Network affiliate, to begin testing the system.
>

This technology is not new and has been used on satellite video channels
for several years. Basically what they do is break apart two NTSC pictures
and use field one from one picture and field two from the other. They then
reverse the field sequence for the next frame. Then at
the receiving end they use two framestores and a demultiplexer to
reconstruct the two video signals. As you can tell from the description,
they throw away half of each video frame. This causes some loss of
vertical resolution (though they do frame to frame interpolation which
recovers most of the resolution for stationary pictures). The resulting
artifacts are most noticable on rapidly moving video.

One thing video freaks should know is that broadcasters have expressed
a serious lack of interest in HDTV. In fact the use of minicams and
small format tape has markedly reduced the quality of ordinary NTSC
video being broadcast by networks and affiliates. The over the air
broadcaster has seen a decline in viewership in the last several years
due to low quality VCRs and poor quality NTSC cable channels being
preferred by the average viewer. The broadcaster has responded by
cutting costs to the bone by using cheaper equipment and reducing
the technical requirements for his staff. It is estimated that it
will cost over $50 million to changeover a broadcast plant to HDTV.
With no market (no receivers in place) and the loss of NTSC viewers
(estimated $120 billion invested in NTSC infrastructure) the broadcaster
would have to have deep pockets indeed to pioneer HDTV. Plus there

is no HDTV product available to fill those 24 hours a day.

Gary KE4ZV
Senior Engineer WXIA-TV

From 6331320367945350197
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bda1a7c7e966cda3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-27 04:28:17 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!
zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!wells!edw
From: edw@wells.UUCP (Ed Wells)
Newsgroups: rec.ham-radio
Subject: Re: Rumor of V31BB's death
Summary: Death of V31BB, Jim
Message-ID: <510@wells.UUCP>
Date: 27 Jun 90 06:47:47 GMT
References: <436@beguine.UUCP>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 25
Posted: Wed Jun 27 07:47:47 1990

In article <436@beguine.UUCP>, pswecker@uncmed.med.unc.edu (Peter St.Wecker, N4YRJ) writes:
> I have only heard this third hand, but rumor has it that Jim, V31BB, has
> died in Belize. For those unfamiliar with him, he was probably best known
> as the voice of the MFJ junk net, which was a nice platform for him to
> expound on the evils of buying equipment from the MFJ corp.
>
> Having only spoken to him once, but having listened to V31BB alot, this
> rumor is going to need lots of checking before it can truly be believed.
> One story is that his death was due to electric shock while working on his
> amplifier.
>
> If anyone knows any more about this, please give us the info!
>
>   -- Peter St. Wecker

Yes, I have confirmation that he was found in bed on Wednesday morning, June 20th. He was suppose to meet another ham operator on Wednesday morning. When Jim didn't show up, he went looking for him and found him dead in bed. The exact cause of death is unknown at this time. I don't know where the electric shock story came from. I heard that there are a few rumors that are already floating around...this might be one of them.

If you want more information, try to contact KA2RRK (Jerry, Ft. Dix, NJ), on 28.305 USB after 22:00 EDT if the band opens.

--
==

Edward E. Wells Jr., N3IAS, President   Voice: (215)-943-6061
Wells Computer Systems Corp., Box 343, Levittown, Pa. 19058
{dsinc,francis,hotps,houxl,lgnp1,mdi386,pebco}!wells!edw

From -4302437880693799097
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c1399be9c22b55e7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-27 06:45:43 PST
Path: gmdzi!unido!mcsun!uunet!cadnetix.COM!cadnetix!rusty
From: rusty@cadnetix.COM (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: oh-oh!
Summary: see the org line for a hint as to why this is being posted
Message-ID: <12709@cadnetix.COM>
Date: 26 Jun 90 18:09:44 GMT
Sender: news@cadnetix.COM
Reply-To: rusty@cadnetix.COM (Rusty Carruth)
Organization: Cadnetix Corp., Boulder, CO
Lines: 24
Posted: Tue Jun 26 19:09:44 1990

Well, folks, there is a greater than 50-50 chance that I will be
losing net access Real Soon Now. If mail suddenly bounces when
sent to me, my apologies, I had absolutely nothing to do with it!

It is possible that I will be reachable via telephone at my home
number (303) 673-9041, if needed. I may also move to the Phoenix
area.

I will attempt to make one final posting to the net if my access
is being terminated and I have enough warning.

Thanks, and its been REAL fun!

(This implies that we won't be doing the callsign project any time
too soon, also. Sorry about that, I'll try to get it back on track
as soon as possible.

73, and its been a blast! de rusty n7ikq (aka 'Mr Callsign Project')

---Join the usenet un-net, 28.410 and/or 28.390(+-) 1700Z to 1900Z saturdays!
Rusty Carruth.   Radio: N7IKQ   ^^ or later :-)
DOMAIN: rusty@cadnetix.com   UUCP:{uunet,boulder}!cadnetix!rusty
home: POB. 461, Lafayette CO 80026

From -4077153347389275225
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3d17598b964ad049,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-06-27 07:59:10 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!ttidca!sorgatz@ttidcb.tti.com
From: sorgatz@ttidcb.tti.com (Erik Sorgatz - Avatar)
Newsgroups: rec.ham-radio
Subject: The mess on 20 meters
Keywords: smokescreens, mirrors
Message-ID: <18128@ttidca.TTI.COM>
Date: 26 Jun 90 18:36:39 GMT
Sender: sorgatz@ttidca.TTI.COM
Organization: Citicorp/TTI, Santa Monica
Lines: 34
Posted: Tue Jun 26 19:36:39 1990

In listening to the 20 meter band circus I've noticed that there are 3 problem areas:

1) The small number of American Amateur Extras that have taken it upon themselves to dictate/interpret the FCC rules to the other stations/ operators on the band. All of these jerks that I've heard have been in 4 or 5 land. Looking up their calls and relating their mailing address with a position on my map, I find none of them to be in remote or inaccessable areas - why isn't the Auxillary or ARRL pink-ticketing these individuals?

2) The large number of Spanish-speaking stations that seem hell-bent on doing nothing but jamming the DX parties. These stations never id, nor do they seem to be active in seeking contacts, or conversing amongst themselves. Most of the signals are between S9 and 40+ over S9.. ..I wonder where they are? Perhaps an inquiry with the diplomat kids...

3) The fact that the ARRL, the FCC and the Amateur Community is unwilling to take on these sour-note clowns head-on. Everyone keeps ignoring the obvious! Get 'em on tape, send the pink-tickets - if they keep it up, bust 'em! Just get a Fed Judge to issue a warrent, get a Fed Marshall (with riot gun!) to accompany the FCC Field Engineer and go serve up the warrent. Put their stupid little asses in the clink! Is that so damn difficult?! The FCC does this about 4 times a year to the worst of the CB bad-boys..why not the jerks on 20?

```
-Avatar-> (aka: Erik K. Sorgatz) KB6LUY           +-------------------------+
Citicorp(+)TTI                          *----------> panic trap; type = N+1 *
3100 Ocean Park Blvd. Santa Monica, CA  90405     +-------------------------+
{csun,philabs,psivax,pyramid,quad1,rdlvax,retix}!ttidca!sorgatz **
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR IT'S MANAGEMENT!)
```

From -1332542232068289920
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93a723376a71cede
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 105d97,93a723376a71cede
X-Google-Attributes: gid105d97,public
X-Google-Thread: f9270,93a723376a71cede
X-Google-Attributes: gidf9270,public
X-Google-ArrivalTime: 1990-06-27 09:23:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!cs.utexas.edu!uunet!zephyr.ens.tek.com!tekfdi!videovax!bill
From: bill@videovax.tv.tek.com (William K. McFadden)
Newsgroups: rec.video,sci.electronics,rec.ham-radio
Subject: Re: HDTV and Waveform Modulation
Keywords: HDTV waveform PSI
Message-ID: <5867@videovax.tv.tek.com>
Date: 27 Jun 90 16:23:51 GMT
References: <4454@milton.u.washington.edu>
Reply-To: bill@videovax.tv.tek.com (William K. McFadden)
Followup-To: rec.video
Organization: Tektronix TV Measurement Systems, Beaverton OR
Lines: 23
Xref: gmdzi rec.video:2950 sci.electronics:7257 rec.ham-radio:12453
Posted: Wed Jun 27 17:23:51 1990

This is the GENESYS system that was first introduced about two years ago. As I recall, it stirred quite a controversy due to its "black magic" nature and sketchy details as to how the system worked. A lot of engineers were claiming it violated the laws of physics. I saw Mr. Geddes present a paper on the system at the 1989 NAB convention. My coworkers and I couldn't tell if it was real or snake oil. They also had a demonstration that wasn't working when I went to see it. A coworker said they sort of got it working the next day (apparently there was a lot of crosstalk between the two "channels").

At this year's NAB, another paper was presented that gave a lot more detail on the system and outlined plans for testing it on the air. This time around, it seemed more like a real system, but still had some "snake oil" aspects to it. However, the jury is still out at least until the tests are completed.

Personally, I think it would be great if the system works, but you don't get something for nothing. I think we'll have to give up something to get two video broadcasts on the same channel. Whether it's something we're willing to give up is another story.
--
Bill McFadden   Tektronix, Inc. P.O. Box 500 MS 58-639 Beaverton, OR 97077
bill@videovax.tv.tek.com,   {hplabs,uw-beaver,decvax}!tektronix!videovax!bill
Phone: (503) 627-6920   "The biggest difference between developing a missle
component and a toy is the 'cost constraint.'" -- John Anderson, Engineer, TI

From -2796912780994251482
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,34c192f8a0fb0fa2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-27 11:01:34 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)

Newsgroups: rec.ham-radio
Subject: Re: Dubious quality of CQ review of AEA IsoLoop
Summary: critical reveiews
Message-ID: <853@ssc.UUCP>
Date: 26 Jun 90 18:06:08 GMT
References: <1990Jun19.220825.2911@midway.uchicago.edu> <5720070@hplsla.HP.COM>
Organization: very little
Lines: 27
Posted: Tue Jun 26 19:06:08 1990

In article <5720070@hplsla.HP.COM>, charlier@hplsla.HP.COM (Charlie Panek) writes:
. Would even the ARRL, which
> is a membership organization, not just a magazine, be this openly critical?
> Probably not. Ham radio sorely needs a Consumer Reports type of organization,

Anyone recall the critical review that QST gave of the MFJ Multi-Mode
Data Controller/TNC? MFJ got pissed, and made enough noise that QST
agreed to do ANOTHER review, this time of a MODIFIED unit! Of course,
in the end it had a good effect, because the same mods were allegedly
done to the production units as well....but somehow I can't imagine
Consumer Reports following up a scathing review with a more friendly
one, following acceptance of a modified product from the manufacturer!

Then there was the great review of the bogus "automatic" antenna tuner,
that achieved low SWR with big RESISTORS in the circuit....

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 6601197687916757159
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,34c192f8a0fb0fa2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-27 11:01:44 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Dubious quality of CQ (review of AEA IsoLoop)
Summary: HR, CQ, double mailing
Message-ID: <855@ssc.UUCP>
Date: 26 Jun 90 18:27:58 GMT
References: <1990Jun19.220825.2911@midway.uchicago.edu> <1344@necis.UUCP>
Organization: very little

Lines: 19
Posted: Tue Jun 26 19:27:58 1990

In article <1344@necis.UUCP>, rbono@necis.UUCP (NM1D) writes:
> Needless to say.... I am NOT impressed with "CQ Mag".... I hope they will
> clean up their act.... I will probably let the rest of my subscription run
> its course.....

I have been a subscriber to both CQ and HR for many years. For some reason,
CQ has always listed me as KKT7H on the mailing label. Of course, now that
the change has come, CQ is sending me TWO (!) issues per month...one with
the KT7H from HR, and the other to KKT7H.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 8505690912246183942
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bfe0d7a4b47d01dd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-27 11:01:57 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: QRP ARCI membership
Summary: correction
Message-ID: <857@ssc.UUCP>
Date: 26 Jun 90 20:22:40 GMT
References: <1990Jun21.173429.13746@dvinci.usask.ca>
Organization: very little
Lines: 25
Posted: Tue Jun 26 21:22:40 1990

In article <1990Jun21.173429.13746@dvinci.usask.ca>, hardie@herald.usask.ca (Peter
Hardie) writes:
>
> Membership in QRP ARCI costs $12 U.S. for a first time member.
> Write to Mike Kilgore KG5F
> 2046 Ash Hill Rd.,
> Corrollton, TX 75007
>
> 73 de Pete VE5VA (ARCI 6032, GQRP 3481)

actually, it is:

2046 Ash Hill Road
CARROLLTON, TX   75007-3102

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 857568497062615O344
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,34c192f8a0fb0fa2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-27 11:02:26 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Dubious quality of CQ review of AEA IsoLoop
Message-ID: <854@ssc.UUCP>
Date: 26 Jun 90 18:11:55 GMT
References: <12680@shlump.nac.dec.com>
Organization: very little
Lines: 20
Posted: Tue Jun 26 19:11:55 1990

> In article <1990Jun19.220825.2911@midway.uchicago.edu>, gary@midway.uchicago.edu (gary buchholz) writes...
> >
> >was pretty much disappointed with the "quality" of the review. The review
> >seemed to me to be more of an advertisement for the IsoLoop than any kind
> >of comparative critical analysis.

I don't mind a folksy type semi-technical review, but the thing that really bothered me about this one was that he kept saying that the Isoloop outperformed his conventional HF antenna by several S-units....without ever telling us what the other antenna was!

>
Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 1718571847977856355
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9eab033e18e25465
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-27 11:13:29 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!bellcore!casux4!jdn
From: jdn@casux4.uucp (jonathan nagy)
Newsgroups: rec.ham-radio
Subject: Re: octopus
Message-ID: <24695@bellcore.bellcore.com>
Date: 27 Jun 90 13:43:15 GMT
References: <747936BC553F80145F@ROSEVC.Rose-Hulman.Edu|
<24616@bellcore.bellcore.com> <38306@cci632.UUCP>
Sender: news@bellcore.bellcore.com
Reply-To: jdn@casux4.UUCP (jonathan nagy)
Organization: Bell Communications Research, Inc.
Lines: 25
Posted: Wed Jun 27 14:43:15 1990

In article <38306@cci632.UUCP| cep@ccird7.UUCP (Christopher Piggott - co-op)
writes:
|In article <24616@bellcore.bellcore.com> jdn@casux4.UUCP (jonathan nagy) writes:
|>
|>The idea is that you can have multiple band positions
|>active at the same time, but since the octopus prevents you from
|>putting more than one signal on the air at any given time, you can
|>submit your log as MULTI-SINGLE rather than MULTI-MULTI.
|
|Hmm. I thought that, once you transmitted on a band, you had to stay
|on that band for at least 15 minutes.
|
|WZ2B
The time limit is 10 minutes for the CQWW contests. This rule was
enacted specifically to address the use of an octopus.

After the initial posting, I discussed this with contesters N2AA and N2EA.
Gene was reminiscing about the days when the octopus was still
legal for field day. Apparently, he and K2SS were able to get into
quit a rhythm using the device and had a ball. Sounded like they
were sorry to see it go.

73, Jon NK2D
Jonathan Nagy
jdn@navaho.cc.bellcore.com
(201) 699-4445

From 7241467708347024387
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public

```
X-Google-ArrivalTime: 1990-06-27 11:14:11 PST
Path: gmdzi!unido!mcsun!uunet!nems!ark1!uakari.primate.wisc.edu!zaphod.mps.ohio-
state.edu!unix.cis.pitt.edu!dsinc!wells!edw
From: edw@wells.UUCP (Ed Wells)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Summary: dtmf decoders
Message-ID: <512@wells.UUCP>
Date: 27 Jun 90 09:45:05 GMT
References: <1990Jun23.181503.20099@cbnewsj.att.com> <7880166@hpfcdc.HP.COM>
<38314@cci632.UUCP>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 28
Posted: Wed Jun 27 10:45:05 1990

In article <38314@cci632.UUCP>, cep@cci632.UUCP ( co-op) writes:
# In article <26434@netnews.upenn.edu> depolo@eniac.seas.upenn.edu.UUCP (Jeff
DePolo) writes:
#
# Radio shack has informed me that they have discontinued the SSI2102 touch
# tone decoder IC from the retail line.  They could not tell me whether
# or not the part would be available on order.
#
# It may be worthwhile for all hams to comb the local radio shack's now, as
# any that are still left in stock will probably be half price ($5-6 range).
#
# Unfortunately, these chips are not easy to come by ... DTMF decoders
...
   What is so hard about getting DTMF chips?  Try to call Motorola,
Signetics, National Semiconductor or others and ask them for the part
number to handle what you need.  Then ask them for their local
distributor for the area.
...
# --
# Christopher E. Piggott, WZ2B                                (ex-N2JGW)
# Computer Consoles, Inc. (an STC company)                 Rochester, NY
# cs.rochester.edu!cci632!ccird7!cep  or  uunet!ccicpg!cci632!ccird7!cep


--
=========================================================================
Edward E. Wells Jr., N3IAS, President         Voice: (215)-943-6061
Wells Computer Systems Corp., Box 343, Levittown, Pa. 19058
{dsinc,francis,hotps,houxl,lgnp1,mdi386,pebco}!wells!edw
```

```
From 2869071674125805479
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15af55fb76e98f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-27 11:17:05 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cornell!rochester!uhura.cc.rochester.edu!
uhura!saaf
```

From: saaf@joker.optics.rochester.edu (Lennart Saaf)
Newsgroups: rec.ham-radio
Subject: Re: DELUGE THE ARRL WITH ARTICLE...
Message-ID: <SAAF.90Jun27093554@joker.optics.rochester.edu>
Date: 27 Jun 90 13:35:54 GMT
References: <9006262200.AA18262@ti.com>
Sender: news@uhura.cc.rochester.edu
Organization: The Institute of Optics, University of Rochester
Lines: 32
Posted: Wed Jun 27 14:35:54 1990
In-reply-to: rlwest@flopn2.csc.ti.com's message of 26 Jun 90 21:38:23 GMT

> ...about submitting technical articles to QST...

I don't think that the lack of technical articles appearing in QST is due to a lack of submissions. The recent publication of the second volume of the "Antenna Compendium" seems to indicate that QST has a SURPLUS of technical article submissions. I would rather have seen these articles appear in QST in place of the 20 treatises on building QRP SWR meters or 2-position antenna switches that permeate the magazine. QST makes a conscious decision to limit the number of technical articles. They represent the entire amateur community and have to present what they feel to be a balanced menu of articles. Of course, the readers of the UseNet forum are, in general, more technically inclined than the average ham and would like to see more technical articles in QST or anywhere.

In view of the demise of Ham Radio, wouldn't it be great if the ARRL raised the status of QEX to that of a sister publication of QST? Both could be nice and glossy (and crammed with ads). QST would be mandatory with ARRL membership and QEX optional, like the relationship between, say, Physics Today and Phys Rev Letters. QST could keep recycling the SWR meter material and QEX could publish very technical works without apology (as they, no doubt, do now).

Pie in the sky?

Len
NV2Z
--
```
-----------------------------------------------------------------------
| Len Saaf, The Institute of Optics, Univ. of Rochester, Rochester, NY |
| Internet: saaf@joker.optics.rochester.edu        Bitnet: SAAF@UOROPT |
-----------------------------------------------------------------------
```

From -1112375901170431354
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc45f70577cde227
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-27 11:33:42 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!texbell!nuchat!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)

Newsgroups: rec.ham-radio
Subject: Re: How to buy a QSO, 20 M mess, etc...
Message-ID: <B96-Y-@splut.conmicro.com>
Date: 27 Jun 90 11:02:19 GMT
References: <1990Jun22.221444.25178@ecn.purdue.edu> <1990Jun25.144036.27405@dg-rtp.dg.com>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 20
Posted: Wed Jun 27 12:02:19 1990

In article <1990Jun25.144036.27405@dg-rtp.dg.com> harrism@dg-rtp.dg.com writes:

>I, personally, wouldn't mind it if omnidirectional antennas were also illegal.
>Why should anybody expect to own a frequency in *every* direction. I'd be
>happy, though, to just have a lower power limit. One can do *so* much with
>antenna's - it's amazing.

I dwouldn't have a problem with lower power limits either. I think
you've missed the mark with the beam requirement, though:
1) The number of hams who can afford towers and beams is small.
2) Many hams can put up wire antennas, but can't put up a beam due to
city zoning rules, deed restrictions, etcetera.
3) What about 40 and 80??

Maybe you need to rethink this one.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
"I don't usually do vicious;        +-----------------------------------------
 I try to stick to depressing." -- Janis Ian, in concert, 6/6/90
```

From -2513676318428352360
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f62e255651ab0236,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,f62e255651ab0236,start
X-Google-Attributes: gid105d97,public
X-Google-Thread: 10d431,f62e255651ab0236,start
X-Google-Attributes: gid10d431,public
X-Google-ArrivalTime: 1990-06-27 11:45:14 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!husc6!bunny!dhp1
From: dhp1@GTE.COM (David Pascoe)
Newsgroups: sci.electronics,rec.ham-radio,rec.audio
Subject: Switched capacitor filters above 15 kHz
Message-ID: <9354@bunny.GTE.COM>
Date: 27 Jun 90 15:10:23 GMT
Followup-To: poster
Organization: GTE Laboratories, Inc., Waltham, MA
Lines: 8
Xref: gmdzi sci.electronics:7239 rec.ham-radio:12437 rec.audio:3388
Posted: Wed Jun 27 16:10:23 1990

I'd like to get in touch with anyone who has had direct experience with switched capacitor filters from roughly 15-40 kHz. Write back even if you've done work below this range (audio). Thanks.

```
--
Dave Pascoe KM3T/1       |  Internet: pascoe@edcd.gte.com OR dhp1@gte.com
617-455-5704             |      UUCP: ....!gte.com!edcd.dnet!pascoe
```

From -4053809076713338282
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-27 11:46:41 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!rice!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <217@ultrix.uhasun.hartford.edu>
Date: 27 Jun 90 12:04:12 GMT
References: <1990Jun23.181503.20099@cbnewsj.att.com> <7880166@hpfcdc.HP.COM> <810@ke4zv.UUCP>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 23
Posted: Wed Jun 27 13:04:12 1990

In article <810@ke4zv.UUCP>, gary@ke4zv.UUCP (Gary Coffman) writes:

> Some real world experience. We have been using PCs for packet switches
> on mountain tops for over two years. Hard disk drives have been the
> MOST reliable part of our installations. Of course we are using old
> 5 to 10 megabyte clunkers that have broad tracks and loose tolerances,
> but we have had absolutely zero failures in unconditioned radio huts.
> What does fail is the floppy drive. The diskette disintigrates in
> summer with the oxide peeling off and plating onto the heads. In
> winter the diskette gets so brittle that it fails. So don't leave
> a diskette at the site if you want it to survive.

Interesting. I've had a packet switch on a mountain top here for about a year and the floppy hasn't experienced any problems. (One difference is that I'm using disk drives with head load--the head isn't in contact with the disk unless it's being used.) On the other hand, it only accesses the disk to boot up, which it hasn't had to do for about six months. Hmmm... maybe I had better check the disk that's in there!

```
--
Jon Bloom, KE3Z                               | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu          |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

From 1640937096478425078
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bce5b7fb64356de
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-27 11:48:42 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rice!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Making ham radio known
Message-ID: <221@ultrix.uhasun.hartford.edu>
Date: 27 Jun 90 12:39:25 GMT
References: <9006172224.AA03527@ucsd.edu> <7880159@hpfcdc.HP.COM> <164@bongo.UUCP> <165@bongo.UUCP>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 111
Posted: Wed Jun 27 13:39:25 1990

In article <165@bongo.UUCP>, julian@bongo.UUCP (Julian Macassey) writes:
> > like us to do. I don't remember the exact numbers, but in the last ten
> > years the number of staff has stayed nearly constant while the membership
> > has increased by something like 40%. (That's probably not the right number,
> > but the point is the number has increased a lot.) So things are operating
> > about full-out at HQ.
>   Let me see, same number of bods and 40% more members, that makes 40%
> more money.

Minus inflation, which unfortunately isn't trivial.

>
>   So what is happening at HQ? Let the ARRL themselves tell us how
> these scarce resources paid for by our subscriptions (Yes, mine as
> well) are advancing the radio art and challenging the borders of
> engineering and science:

Ummm... I thought hams at large were supposed to do that. Are we leaving
it up to ARRL to do it all now?

> +   ARRL LETTER - VOLUME 9 - NUMBER 12 - June 15, 1990 - Page 3 of 4
>
> +   HQ HOSTS OPEN HOUSE
>
>
> +Lab supervisor Jon Bloom, KE3Z, demonstrated for visitors the League's setup
> +for measuring transmitter spectral purity, with a commercial 2 meter FM
> +transceiver and a Hewlett Packard spectrum analyzer. Visitors also got a
> +peek at a 20 meter transceiver being designed by staff member Zack Lau,
> +KH6CP, showing several stages of the development process. This rig is being
> +designed for production and donation to amateur societies in third world
> +countries.
>

>   We are going to pay for the third world to get free U.S. Built
> radios? For 20M too no less.

Not the whole third world, Julian, just some parts of it that have no ham radio to speak of. Why? Because by helping to promote ham radio in these parts of the world we may influence the national administrations of these countries to be more favorable to ham radio. And in the ITU, each country has exactly one vote--Zaire's vote counts the same as ours. I don't think tring to increase international support for ham radio is a waste of the members' money. Do you? (BTW, this is not the only effort toward this goal. Although I don't know much about some of the things ARRL is doing in this area, I do know that every year we bring in 7-10 people who are telecomms administrators in third-world countries for a class in amateur radio administration. The class is held at ARRL HQ.)

I think 20m is appropriate technology for the intended purpose and destination.

> +   DXCC BEGINS MOVE TO DATA PROCESSING
>
> +DXCC automation has begun in earnest, with final testing of software
> +completed June 1. New applications and endorsements are entered into a mail
> +log for tracking through the system. This log helps staff members quickly
> +answer questions regarding the status of DXCC applications and endorsements
> +in progress. On June 11 "backfilling" began--the process of entering past
> +records into the computer on a priority basis. As endorsement applications
> +are received they are backfilled to bring the applicant's record up to date;
> +the endorsement is then processed.
>
>   I wonder how many Microwave columns in QST this would pay for? But hey
> gotta keep proving to ourselves that with a modern equipment it is
> technically possible to talk to at least 100 countries, even if some
> of them are uninhabited reefs. What will we do when the contesters die
> off?

If this were the only thing going on at HQ I would agree with your complaint. But it isn't. And a lot of people _are_ interested in this stuff, even if you and I aren't. How about a little tolerance for other people's interests? As for the microwave column, in my opinion good feature articles on microwave do far more to promote those bands than that column ever did. I always thought that column preached to the choir; if you weren't already "into" microwave there wasn't much there for you. Nothing wrong with that if it were the most effective way of doing it, but I think the feature articles are better. I dunno all the reasoning why it was dropped, but I can't say I miss it much. (Explain how 10-GHz DX records are any more relevant than DXCC, not counting the fact that you personally are interested in one and not the other.)

> +   * The *RSGB Microwave Handbook Vol. 1* is the latest addition to the
> +ARRL library. Edited by G3PFR, it covers microwave theory and practice in
> +mostly non-mathematical language. Two additional volumes will follow. 224
> +pages.
>   I recall a time when the ARRL produced manuals that were respected

> all over the world. Now we have to get the RSGB (1/10 size of ARRL) to
> produce books on Microwaves etc. The book probably has metric
> dimensions too.

Agreed. ARRL's microwave book efforts have been beset by problems, largely having to do with turnover in the editorial staff, but also because it simply wasn't a high priority item. (Note that this was within the Tech Department--I'm not talking about policy here.) It should be out soon, I hear. (I suggested the advertising for it borrow from the old movie ads: "10 years in the making!" They were not amused. :-)

On the other hand, what's wrong with ARRL making RSGB books available to the members? Are we so xenophobic that we shouldn't distribute anything that doesn't have "made in the USA" printed on it?

```
>
> --
> Julian Macassey, n6are  julian@bongo.info.com  ucla-an!denwa!bongo!julian
> N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495
```

```
--
Jon Bloom, KE3Z                               | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu          |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

From 839014222385541569
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1b964358e36d2bb3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-27 11:53:47 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!plains!enders@plains.NoDak.edu
From: enders@plains.NoDak.edu (Todd Enders - WD0BCI)
Newsgroups: rec.ham-radio
Subject: QRP vs. the KW Monsters!
Message-ID: <5169@plains.UUCP>
Date: 27 Jun 90 15:06:03 GMT
Sender: enders@plains.UUCP
Organization: North Dakota Higher Education Network
Lines: 24
Posted: Wed Jun 27 16:06:03 1990

The problem with working QRP (IMHO) is that there are soooo many ops running their KW monsters all the time that anyone listening soon learns that he/she has to turn their RF gain down to keep from being blasted out of their chair. If everyone on 20 meters ran 5 watts (you probably don't even need that much most of the time) and depended a little more on operating SKILL, the nasty problems would be greatly reduced.

Of course we'll never get everyone to QRP to 5 watts on 20 anytime soon. Nor will we get rid of those folks who think they *own* a frequency and will defend their *claim* with every last milliwatt of power at their disposal.

I think the people on 30, 17, and 12 meters would attest to the fact that they really don't miss the old KW anyway. :-) I think the two things lacking in HF operation today are COURTESY and PATIENCE. Sadly, this is the root of just about all the trouble on 20 these days.

```
Todd Enders - WD0BCI               ARPA: enders@plains.nodak.edu
Computer Center                    UUCP: ...!uunet!plains!enders
Minot State University               or: ...!hplabs!hp-lsd!plains!enders
Minot ND 58701                   Bitnet: enders@plains.bitnet

Comming Soon---------------------->AMPR: Todd@wd0bci.mot.nd.ampr.org
                                         [44.114.0.12]
```

From 6845559092079494000
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a44063e6e2f247c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-27 12:08:23 PST
Path: gmdzi!unido!mcsun!uunet!nems!mimsy!haven!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!snorkelwacker!bu.edu!xylogics!transfer!crackers!m2c!umvlsi!umaecs!iza
From: iza@ecs.umass.edu
Newsgroups: rec.ham-radio
Subject: ARRL books (was Re: Making ham radio known)
Message-ID: <10151.26890427@ecs.umass.edu>
Date: 27 Jun 90 19:08:23 GMT
Lines: 19
Posted: Wed Jun 27 20:08:23 1990

I read on rec.ham-radio some criticism for the policy of ARRL to distribute a book on Microwaves from RSGB and the lack of ability of the ARRL to publish books on such subject.
My point of view is totally different and there I go with my 2 cents!
ARRL books are, to my knowledge, some of the best books on Ham Radio in the world. I mean it, because I have a big collection of Spanish, Italian, French, German, Dutch, English and American books and, even with the problems involved on purchasing some of the components used on circuits, the quality and the care put on explaining things are worth the money.
If you ask other hams around the world they all will tell you they have at hand the ARRL Handbook. And in some Eastern European countries one of the best presents was a current copy of THE handbook... as well as in other parts of the globe.
Well, I think I make my point clear. ARRL books are a heck of ham books, and I wish and expect there will be more. But they cover for now much of my needs as a ham. Maybe if they publish a handbook on Coherent CW or on Hellschreiber machines... :-)
73 for all.
Jon, W1/EA2SN iza@umaecs.bitnet / iza@ecs.umass.edu

From -5554924062798399858
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a2c3455d979d8e7c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-27 12:55:35 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!ucbvax!hplabs!hpcc01!col!billp
From: billp@col.hp.com (Bill Pherigo)
Newsgroups: rec.ham-radio
Subject: 60KHz receiver help wanted
Message-ID: <24300019@col.hp.com>
Date: 27 Jun 90 19:55:35 GMT
Organization: HP Colorado Springs Division
Lines: 10
Posted: Wed Jun 27 20:55:35 1990

I am building a WWVB (60 KHz) clock. I've designed the digital part out of a 68701 single chip CPU. I need pointers to designs for everything from the antenna to the AM detector, inclusive.

Thanks!

Bill Pherigo
WR0Y
(719) 590-3420

From 6592434051086614325
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,464f017ffb2f263c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-27 13:34:17 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!atha!tech
From: tech@cs.AthabascaU.CA (Richard Loken)
Newsgroups: rec.ham-radio
Subject: Re: The Demise of HR Magazine and Comments on CQ
Message-ID: <1966@aurora.cs.athabascau.ca>
Date: 27 Jun 90 16:33:06 GMT
References: <9006260700.AA08886@ucsd.edu>
Organization: Athabasca University
Lines: 19
Posted: Wed Jun 27 17:33:06 1990

hpcc01!col!bobw@hplabs.hpl.hp.com (Bob Witte) writes:

> Re: Goodbye Ham Radio Magazine

> * Wireless World is a really interesting magazine. It has a
> great mix of electrical engineering, amateur radio, general
> electronics hobbyist stuff, basic theory and pseudo-science.
> The downside is 1) ads are for UK products 2) prices are
> in pounds 3) words like color are spelled 'colour' 4) expensive

The problem with Ham Radio is that it spells colour as "color". You Americans are so lazy. :)

```
--
  Richard Loken VE6BSV                              :  see I took it out!
  Athabasca University                              :  I can't afford Campy
  Athabasca, Alberta Canada                         :  anyhow.
  tech@cs.AthabascaU.CA {alberta|decwrl}!atha!tech :
```

From -8350731769954147750
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,efff767ddccc87c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-27 13:35:11 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!elroy.jpl.nasa.gov!decwrl!ucbvax!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: FT-411E
Message-ID: <7880171@hpfcdc.HP.COM>
Date: 27 Jun 90 20:35:11 GMT
References: <9006251333.AA19149@ucsd.edu>
Organization: HP Ft. Collins, Co.
Lines: 12
Posted: Wed Jun 27 21:35:11 1990

PS:

> Anybody try the 411 mods...

I just wanted to make it clear, my interest in them is for emergency use only, such as reaching the National Park Service last weekend...

> ...adjusted the image filter to center at about 152MHz instead of
> 144MHz, to improve the terrible sensitivity in the 155-166 range?

...which is where weather, marine, and park service listening (and emergency transmit) would be.

From 8681955757330243881
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,803b9cfbf881e02f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-27 13:36:05 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!UCBEH.SAN.UC.EDU!MORRISTA%UCMCIC
From: MORRISTA%UCMCIC@UCBEH.SAN.UC.EDU
Newsgroups: rec.ham-radio
Subject: Need Heath VF-1 VFO schematic
Message-ID: <72C5C7B0CEFFA09CC3@UCBEH.SAN.UC.EDU>

Date: 27 Jun 90 17:31:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 33
Posted: Wed Jun 27 18:31:00 1990

```
    University
        of        I N T E R O F F I C E   M E M O R A N D U M
    Cincinnati
                              Date:     27-Jun-1990 13:27 EST
                              From:     Theodore Morris
                                        MORRISTA
                              Dept:     MCIC/IR&D
                              Tel No:   513-558-6046 (Group)

TO:  Remote PMDF User                    ( _IN%INFO-HAMS@UCSD.EDU )
```

Subject: Need Heath VF-1 VFO schematic

...for a unit that I picked up at a recent hamfest--literally; the folks who were trying to sell it and some other junk left it behind to be trash-picked rather than load the box back into the truck to haul to another hamfest sometime.

The case is in pretty bad shape (dropped in a lake?) but, hey, how hard can it be to recondition, eh? (:-)) With the schematic, that is...

Thanks!

```
=======================================================================
Theodore Allan Morris                 |231 Bethesda Avenue, ML# 574
University of Cincinnati Med. Ctr.    |Cincinnati, OH  45267-0574
Med. Ctr. Information & Communications|513-558-6046 W, 731-3451 H
Information Research and Development  |WB8VNV NTS, U1091 AppleLink,
======================================|MORRISTA@UCMCIC.OA.UC.EDU I'net
Call me up and I'll talk data to ya'! |      - Go Bearcats! -
=======================================================================
```

From -8902875088626771532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,408b2b0fd76f380,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-27 13:36:19 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!GTE.COM!
pescatore_jt%ncsd.dnet
From: pescatore_jt%ncsd.dnet@GTE.COM
Newsgroups: rec.ham-radio
Subject: QST, CQ, Tech Content, blah, blah
Message-ID: <9006271654.AA18661@bunny.gte.com>
Date: 27 Jun 90 16:54:56 GMT

Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 41
Posted: Wed Jun 27 17:54:56 1990

I've written a few articles that have been published in QST, and I can assure you that they do not have a flood of technical articles being held back because they want to fill QST with general interest articles. The published my article "How to Have Fun in Ham Radio" in the May 1990 issue, when it had been accepted for publication circa January 1989! The editor said that they had so many general purpose articles "on the hook" that the 18 month delay was not unusual.

I would bet that if people who complain about the lack of technical content, or the lack of microwave coverage, or the scarcity of pages dedicated to the Albanian 160M EME Amtor contest, were writing about these things instead of whining, there would be no reason to whine. Ahhh, I suppose then they'd whine that there wasn't enough room for ads.

As far as the ads in QST, objecting to the quantity of ads in a magazine doesn't make a hell of a lot of sense:

A. They keep the price of the magazine down.
2. NOBODY FORCES YOU TO LOOK AT THEM!!!!!!!!!!!!!!!!!!!!!!!!!!!!

I personally never really look to QST, CQ, or HR for deep technical content, anyway, just as I don't look at Popular Science for depth in robotics or solar power. There are zillions of great technical journals providing depth in just about any area you could desire. Most of the good technical articles in the journals are written by motivated people, and are oriented towards a narrow target audience. If you want to read about ducks, buy a book about ducks, not one about birds.

Two credos to live by:

1. If you are not part of the solution, you are the problem.
B. Lead or follow; in either case, get out of the way.

and my personal favorite (after STUFF HAPPENS):

III. Don't worry about the horse being blind, just keep loading
up the wagon.

73 John WB2EKK PESCATORE_JT@NCSD.GTE.COM

From 5244885830592415892
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a757f8431e990a2c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-27 13:47:07 PST

Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!purdue!iuvax!noose.ecn.purdue.edu!news
From: wb9omc@ea.ecn.purdue.edu (Duane P Mantick)
Newsgroups: rec.ham-radio
Subject: re: purchsed QSO's
Message-ID: <1990Jun27.182007.17776@ecn.purdue.edu>
Date: 27 Jun 90 18:20:07 GMT
Sender: news@ecn.purdue.edu (USENET news)
Organization: Purdue University Engineering Computer Network
Lines: 53
Posted: Wed Jun 27 19:20:07 1990

>>From: price@marlin.NOSC.MIL (James N. Price)
>net discussions about limits on power. But the true DXer will do
>what he/she feels he/she HAS to do to get thru!

And that is precisely the problem! All too often this means crank up the KW (or more, as other posters here have pointed out) and clobber anybody and everybody in the process. It is this selfish attitude that is the root problem (bear in mind that I am *not* suggesting that James N. Price is in anyway an example of either THE problem OR of the selfish attitude - I am merely borrowing a segment of his posting because I think he hit the nail right on the head).

I have read a number of postings in this newsgroup about this subject. Some revolve around antennas, some revolve around power. I suspect that from the *hardware* side of the argument, it is more realistic to call for a reduced power level, arguments about noise levels on some bands notwithstanding, because from listening I know that it is true.

I can feel most comfortable discussing that part of the low bands which I can legally operate (and for which I actually own equipment for) - the Tech. segment of ten meters. It always used to gall the hell out of me as a Novice that high-power dudes would decide that my puny but legal 75 watts was just the right place to tune up. Now I'm sure that there were some occasions when an op. just *didn't* hear me and thus assumed that nobody was there to QRM. Fine, I can live with that. But it used to gall me that many of these clowns would then start transmitting on that frequency. Why does even a General (again, Advanced or Extra included) need to deliberately go into the novice segment of the band, tune up and then transmit with an absurdly high level of power? Isn't there enough spectrum available for Generals and up that the Novices *can't* use? AND, as a "Tech. on Ten", the same sort of question, by analogy, comes to mind. I don't have CFR47 right in front of my face, but I *think* I am limited to 250 watts from 28.3 to 28.5; if that is true, why not limit EVERYBODY using those freqs. to the same UPPER limit, 250 watts max.? Seems to me that this would be eminently fair - 250 can do an awful lot of good with a reasonable antenna. Then if those who CAN work above 28.5 or below 28.3 want to use a bunch o'power, at least outside of that measly .2 MHz they won't interfere with those who are legally stuck with the reduced power level.

Yeah, I know, "this will just complicate everybody's operating"....well, we Amateurs, by reasoning that we have to take a test that requires us to know how to read, are at least semi-literate and intelligent, right? :-)

A note: if the recent rumors about V31BB's passing are true, I would like to state (since I was one who was publically upset with his on-air anti-MFJ rantings) that I am sorry to see this happen, albeit with details unknown. While I (and others, I'm sure) may have disagreed with what he was doing, as a human being I am saddened to hear of his (possible) demise.

Duane Mantick
WB9OMC

From 643442017226297756
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b9771b8a1dea8a23
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-27 13:54:37 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!hplabs!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: cw rig recommendation
Summary: the old radio
Message-ID: <66@thoreau.nsc.com>
Date: 27 Jun 90 17:12:01 GMT
References: <1990Jun26.175802.12879@agate.berkeley.edu>
Organization: National Semiconductor, S. Portland, Maine
Lines: 10
Posted: Wed Jun 27 18:12:01 1990

Truly, find some deserving novice who is short on funds and give the rig away. Not that an HW-101 is worthless, far from the truth, IT IS WORTH MUCH...MUCH MORE GIVING some on the air experiance to a deserving newcommer!

as for new rigs, drive on over to Burlingame and play with the radios in your price range.

Ron Todd, K3FR

From -3587688586888009277
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6d4c589024ee4548
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-27 14:51:37 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!bacchus.pa.dec.com!decatl!shlump.nac.dec.com!koning.enet.dec.com!koning
From: koning@koning.enet.dec.com (Paul Koning)

Newsgroups: rec.ham-radio
Subject: Re: HR vs CQ magazines - Leaving only 73 Magazine
Message-ID: <12910@shlump.nac.dec.com>
Date: 27 Jun 90 20:27:11 GMT
References: <900626-152508-5672@Xerox>
Sender: newsdaemon@shlump.nac.dec.com
Reply-To: koning@koning.enet.dec.com (Paul Koning)
Organization: Digital Equipment Corporation
Lines: 37
Posted: Wed Jun 27 21:27:11 1990

>...
> HR and 73 have been good "technical" friends, but at different levels. I
> hope 73 continues to survive as it is the only remaining "user" written
> technical magazine that we have. Hopefully, 73 will begin to publish some
> of the more technical articles that previously went to HR and now no longer
> have a home.

I would not put it that way. I subscribed to 73 for about 5 years up to about 3 years ago (when I switched to HR). Initially it was reasonably technical though not significantly more so than QST -- just different.

Then about a year before I gave up, the technical content drifted downward to the point where the MOST advanced articles were about at the Novice level. Between that and the ever increasing amounts of NSD-ravings I called it quits.

As for CQ, many earlier postings echo my opinion of that rag.

QST is, unfortunately, rapidly sliding downhill too. The first 2 or 3 "wonderful elmer" articles were fun, but enough already! it's sickening to see 10 pages of that stuff every month. I've been maintaining an on-line index of the technical articles from my QST collection; it's very informative to compare the number of entries per month. It has been dropping quite a lot. (Hm... I should graph it and submit an article!)

With HR gone, it seems that there are now NO technical magazines for hams left in the USA. (I'm not counting QEX; it sometimes tries, but it's rather small.)

Incidentally, in response to the statement that we shouldn't complain unless we're submitting technical articles to the rags: that's baloney. The STYLE of a magazine is set by the editorial staff, NOT by the article writers. I can't imagine that the editors of a contest magazine would suddenly start to accepts lots of highly technical articles; ditto for Wayne Green.

paul

From -4776568583871954328
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fca625c3001070cd,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-27 14:54:48 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!ucbvax!
XEROX.COM!"wayne_a._lightsey.RochXRC"
From: "wayne_a._lightsey.RochXRC"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: HAM RADIO MAGAZINE
Message-ID: <900627-134126-9424@Xerox>
Date: 27 Jun 90 20:41:15 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Wed Jun 27 21:41:15 1990

Couldn't agree more. Cancelled CQ two years ago as it was and is junk mail. Fortunately, I am within 4 months of renewal of my subscription so will test CQ's ability to change their ways and have so informed Dick Ross, Publisher of CQ.

If CQ doesn't shape up, I suggest you take their offer and cancel for a refund. Lots of cancellations will certainly get their attention. Ham Radio may not have had a big circulation, but ten or twenty thousand cancellations and refunds will certainly put a dent in CQ's economic analysis of the acquisition.

73, Wayne Lightsey KB6CSP

From -2532447671846558906
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,34c192f8a0fb0fa2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-27 14:59:44 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Dubious quality of CQ review of AEA IsoLoop
Message-ID: <2577@anasaz.UUCP>
Date: 27 Jun 90 20:25:04 GMT
References: <1990Jun19.220825.2911@midway.uchicago.edu> <5720070@hplsla.HP.COM>
<853@ssc.UUCP>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 19
Posted: Wed Jun 27 21:25:04 1990

In article <853@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>Anyone recall the critical review that QST gave of the MFJ Multi-Mode
>Data Controller/TNC? MFJ got pissed, and made enough noise that QST
You mean the one that came out just after I bought the unit ;-(

>
>Then there was the great review of the bogus "automatic" antenna tuner,

>that achieved low SWR with big RESISTORS in the circuit....

That antenna tuner is still advertising in 73 magazine. I brought that
to the attention of Wayne Greene (I was also a 73 advertiser) and his
answer was essentially that if people are dumb enough to buy it, it's
their problem.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253 anasaz!john@asuvax.eas.asu.edu
Voice: (602) 951-9326 FAX:602-861-7642 Advice: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -3810401157191562759
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79d5b9c618d0ea5d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 01:55:33 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!zaphod.mps.ohio-state.edu!ncar!boulder!uswat!joeb
From: joeb@uswat.uswest.com (Joe Bushinski #350 x2026)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TS440
Keywords: Comments solicited
Message-ID: <9125@uswat.UUCP>
Date: 27 Jun 90 22:38:08 GMT
References: <9006240432.AA10810@ucsd.edu> <7264@scorn.sco.COM>
Sender: news@uswat.UUCP
Organization: US WEST Advanced Technologies, CO, USA
Lines: 6
Posted: Wed Jun 27 23:38:08 1990

I know many hams that are using the TS440 as a mobile rig and like
it very much. A nice feature to include is the built in automatic
ant tuner. Another rig is the one I use, the Yaesu 757GX. It is a
little smaller than the 440 and is not quite as pricey.

Joe
KE0QA - Denver

From 1778804912891362299
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cecdc1ee081dae9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 05:56:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!uw-beaver!fluke!bbiddle
From: bbiddle@tc.fluke.COM (Bruce Biddlecome)
Newsgroups: rec.ham-radio
Subject: Digitrex Electronics Company
Keywords: Digitrex
Message-ID: <1990Jun27.211623.9706@tc.fluke.COM>
Date: 27 Jun 90 21:16:23 GMT

Organization: John Fluke Mfg. Co., Inc., Everett, WA
Lines: 17
Posted: Wed Jun 27 22:16:23 1990

I ordered an MPX-MINI from Digitrex of Rochester, Minnesota.

After three months of waiting and calling, I am still in doubt
about whether I will ever receive the product. They have cashed
my check but lately I have been getting busy signals or no answer
when calling there number: 313-853-3326.

Letters have gone unanswered.

Am I the only person having this problem?

Any help would be dearly appreciated.
73,

Bruce Biddlecome, WA7SQD
206-356-6023 (work)
206-334-5501 (hme)

From -8589630011722372097
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc45f70577cde227
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 06:04:52 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!att!cbnewsj!kb2glo
From: kb2glo@cbnewsj.att.com (thomas.kenny)
Newsgroups: rec.ham-radio
Subject: Re: Re: How to buy a QSO, 20 M mess, etc...
Message-ID: <1990Jun27.144648.11928@cbnewsj.att.com>
Date: 27 Jun 90 14:46:48 GMT
References: <1990Jun25.144036.27405@dg-rtp.dg.com> <7880168@hpfcdc.HP.COM>
Organization: AT&T Bell Laboratories
Lines: 46
Posted: Wed Jun 27 15:46:48 1990

In article <7880168@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>Re: 200 W maximum, beam antennas
>
>1. Not everyone can erect a beam. High wind is a problem. Phased
>   Omnis take more real estate than I have. There are also those
>   pesky covenants.

Putting up a beam would be very difficult for me I plan on having one in
the future but just can't do it now for several reasons.

>3. It is sometimes necessary to use >200W on 40/80/160 to get over QRN,
>   especially during summer.

This is a very good point but on the othter hand this past FD shortly after
sunrise there were alot of QRO nets that wiped out the band for our
40m dipole station.... Next year we know to QSY off 40m after sunrise.

>4. The use of omnidirectional antennas is appropriate to a roundtable,
>   which is typical of 40/80.

Right on... maybe even on other bands like 10 meter nets but of course
NOT the 20 meter DX nets. As a matter of fact I've stayed of 20m since
I don't have a beam nor amp. 10m, 12m, 15m, 17m and 40m seem to suit
me just fine with 100 watts and an omni.

>5. Ever see an 80 meter beam on a tower ? I've seen K0RF's. It looks
>   tenuous.

Hey anybody have a 160m beam in their back yard?

>Yes, one can do a lot with antennas. However, it isn't the technology
>that is the problem, it's the operator. Any power in excess of that
>required to make the contact is illegal. We already have the laws;
>where is the enforcement ? Maybe the problem is us - macho signal
>reports seem to be better than good operating skills.
>When was the last time I asked someone to QRP ? I dunno. I'm part
>of the problem, too. S9+40 is real easy listening.

Maybe whenever we give an S9+ report we should tell them to QRP but
some how I don't expect they would. Maybe they wouldn't even know how to!

--
Tom Kenny, KB2GLO
US mail: AT&T, 307 Middletown-Lincroft Rd, Lincroft NJ 07738
voice: 201-576-3888
uucp: att!lzatt!tek   internet: kb2glo@cbnewsj.att.com

From 4568761061680198313
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15af55fb76e98f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 06:34:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: DELUGE THE ARRL WITH ARTICLE...
Summary: QST vs QEX technical content
Message-ID: <222@ultrix.uhasun.hartford.edu>
Date: 28 Jun 90 00:49:55 GMT
References: <9006262200.AA18262@ti.com>
<SAAF.90Jun27093554@joker.optics.rochester.edu>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 66
Posted: Thu Jun 28 01:49:55 1990

In article <SAAF.90Jun27093554@joker.optics.rochester.edu>,
saaf@joker.optics.rochester.edu (Lennart Saaf) writes:

> > ...about submitting technical articles to QST...
>
> I don't think that the lack of technical articles appearing in QST is due to a lack of submissions. The recent publication of the second volume of the "Antenna Compendium" seems to indicate that QST has a SURPLUS of technical article submissions. I would rather have seen these articles appear in QST in place of the 20 treatises on building QRP SWR meters or 2-position antenna switches that permeate the magazine. QST makes a conscious decision to limit the number of technical articles. They represent the entire amateur community and have to present what they feel to be a balanced menu of articles. Of course, the readers of the UseNet forum are, in general, more technically inclined than the average ham and would like to see more technical articles in QST or anywhere.

While there are only a specified number of pages of "technical" material each month, I think the gripe I'm hearing has less to do with quantity than with the level of technical sophistication. It is absolutely intentional. Perhaps this extract from the ARRL Author's Guide will help spell it out:

ARTICLE TYPES	QST	QEX
Construction	Projects easily reproduced by majority of hams. Simple projects with broad appeal.	Enough information for readers familiar with common construction techniques to duplicate the project. More complex, state-of-the-art equipment
Theoretical/tutorial	Help beginners learn radio/electronics. Report new advances in technology, the latest designs and constuction techniques.	Discussion of advanced topics. Theoretical analyses of radio/electronics topics.

So if "Another Look at Reflections" (remember? the mid-70's series about transmission lines) were submitted today, it probably wouldn't run at all ("too long"), and certainly not in QST. Things _have_ changed, no doubt about it. (Interestingly, there have been so many requests over the years for reprints of that series--and the concluding articles that the author, Walt Maxwell, never finished--that it is being turned into a book. Walt and the editorial staff have been working on it for a while now. So _somebody_ out there is interested.)

> In view of the demise of Ham Radio, wouldn't it be great if the ARRL raised the status of QEX to that of a sister publication of QST? Both

> could be nice and glossy (and crammed with ads). QST would be
> mandatory with ARRL membership and QEX optional, like the relationship
> between, say, Physics Today and Phys Rev Letters. QST could keep
> recycling the SWR meter material and QEX could publish very technical
> works without apology (as they, no doubt, do now).
>

There has been some spitballing about expanding QEX, but I don't know how serious it is. Tell your Director what you want. That's the quickest and best way to effect change.

```
--
Jon Bloom, KE3Z                              | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu         |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

From -8872484810425577065
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 15:16:45 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!cs.utexas.edu!know!samsung!usc!elroy.jpl.nasa.gov!decwrl!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <1250179@hpnmdla.HP.COM>
Date: 28 Jun 90 01:01:14 GMT
References: <1990Jun23.181503.20099@cbnewsj.att.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 8
Posted: Thu Jun 28 02:01:14 1990

Re using PC's as repeater controllers:

Nobody has mentioned any potential problems with RFI. My XT causes significant interference to my 2M rig. Seems like there would be a potential problem placing an unshielded PC on a mountaintop in a vault filled with dozens of repeaters at different frequencies.

Al N1AL

From -6461453738529612691
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bce5b7fb64356de
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 15:18:42 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!bellcore!bellcore-2!envy!karn
From: karn@envy..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio

Subject: Re: Making ham radio known
Message-ID: <1990Jun28.045352.8359@bellcore-2.bellcore.com>
Date: 28 Jun 90 04:53:52 GMT
References: <14575@ucsd.Edu> <205@ultrix.uhasun.hartford.edu>
Sender: usenet@bellcore-2.bellcore.com (Poster of News)
Reply-To: karn@thumper.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 30
Posted: Thu Jun 28 05:53:52 1990

On the subject of tekkies vs politicians:

I've given this subject quite a bit of thought over the past few years. Although I definitely consider myself a tekkie, I often take a strong interest in many of the political issues of the day -- and not just those of amateur radio.

The problem with politicians, and the usual reason I get interested in a particular political issue in the first place, is that they can cause a lot of damage with very little effort. Whether it's the ARRL Board in 1984 shooting down a perfectly reasonable no-code proposal or the US Congress in 1990 trying to abolish the First Amendment, the problem is almost always one of limiting the damage politicians can do.

Although it's very easy for politicians to drill holes in the dike, each of us has only ten fingers to use in plugging them. And while we're standing there with our fingers stuck in the dike, there's little in the way of *constructive* work we can be doing. I would much rather write code, build equipment and do other fun tekkie things than play politics. But when the politicians screw up, the rest of us have an obligation to try to stop them. In other words, getting involved in politics is a dirty job, but somebody's got to do it.

It would be nice if mechanisms could be set up to limit the power of those people who LIKE to play politics, so the rest of us wouldn't have to spend so much unproductive time keeping them in check. That was the original idea behind the US Constitution. I wonder how much longer it can last, given the pounding it has been taking lately...

Phil

From -2319055294532244158
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,492caedc4e932abe,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 15:58:09 PST
Path: gmdzi!unido!mcsun!uunet!munnari.oz.au!bruce!mlacus!pault
From: pault@mlacus.oz (Paul Taylor)
Newsgroups: rec.ham-radio
Subject: 6DQ6B specs
Message-ID: <536@mlacus.oz>
Date: 28 Jun 90 05:48:43 GMT

Organization: Aust Centre for UNISYS Software(ACUS Melb)
Lines: 14
Posted: Thu Jun 28 06:48:43 1990

Can anyone supply me with specs for the 6DQ6B TV horizontal sweep tube?
The ones I have are made by GE. In particular...

- max plate, screen and grid voltages and currents,

- plate dissipation, capacitance.

Any tips for use in linear service.

73 de VK3BLY
--

Paul Taylor (VK3BLY), Australian Centre for Unisys Software (ACUS).
pault@mlacus.oz

From -4114472854765473130
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f9856,3969c48f35e8b5b3,start
X-Google-Attributes: gidf9856,public
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 16:30:15 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <224@ultrix.uhasun.hartford.edu>
Date: 28 Jun 90 11:06:11 GMT
References: <1990Jun23.181503.20099@cbnewsj.att.com> <1250179@hpnmdla.HP.COM>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 26
Posted: Thu Jun 28 12:06:11 1990

In article <1250179@hpnmdla.HP.COM>, alanb@hpnmdla.HP.COM (Alan Bloom) writes:
> Re using PC's as repeater controllers:
>
> Nobody has mentioned any potential problems with RFI. My XT causes
> significant interference to my 2M rig. Seems like there would be a
> potential problem placing an unshielded PC on a mountaintop in a vault
> filled with dozens of repeaters at different frequencies.
>
> Al N1AL

Oddly enough, this is the one problem I expected to see that I _didn't_
see in setting up the packet switch here. (The packet switch is probably
a worst-case problem; it has 3 computers: the PC and 2 TNCs.) Considering
that the equipment is in a _wooden_ enclosure, so there's practically

nothing between the equipment and the antenna, electrically speaking, and considering that the antenna is only about 30 feet away, I was amazed. Perhaps it's because a ground-plane antenna has very little response in the down direction? I don't think it's anything to do with the particular antenna, since I have a 2-meter antenna and a 220 antenna of different designs and neither one hears the computer. Maybe I'm just incredibly lucky. (Although other experiences on the mountain make me doubt that!)

```
--
Jon Bloom, KE3Z                                | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu           |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

From -5811528886391947318
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15af55fb76e98f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 16:35:58 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Re: DELUGE THE ARRL WITH ARTICLE...
Message-ID: <9006281424.AA15063@ti.com>
Date: 28 Jun 90 14:06:05 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 31
Posted: Thu Jun 28 15:06:05 1990

I agree with Len (saaf@joker.optics.rochester.edu) almost 100 percent. Especially with his comment about QST being a mag for the entire amateur community. I feel that they address every segment and every interest at the moment. But I also agree that there aren't enough technical articles and maybe that's due to the emphasis placed on other areas. Len dropped a few good suggestions, and, in case anyone at ARRL is listening, here's another suggestion.

How about a separate technical section? It could be one of the "tear-out" types that you often see nowadays in other mags. These are usually a little smaller; they are separately saddlebound; and they are attached by a single (usually perforated) retainer that is bound with the magazine. In this manner they can either be left with the original magazine, or removed and saved separately. All the advertisements from parts and components suppliers could be placed in this "supplement", where the advertisers would be assured that their market would see them, even when they were removed from the mag.

Articles that required some special part or component would have to specify the source of such a part and more-or-less guarantee the availability of the part(s). Nothing will kill the credibility of a construction section quicker than the publishment of projects for which the specified parts can't be found.

I vote for a separate technical section, in which not only are state-of-the-art information published, but also advanced construction projects for radios, computer equipment and antennas. How about a series on the "third-world" radio that Julian McCassey mentioned that is under development at ARRL as a starter???

73,
Dube Todd   N5PDK

From 6460122789586483575
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b9771b8a1dea8a23
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 16:38:02 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!sdd.hp.com!decwrl!ucbvax!XEROX.COM!"wayne_a._lightsey.RochXRC"
From: "wayne_a._lightsey.RochXRC"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: cw rig recommendation
Message-ID: <900628-071948-11669@Xerox>
Date: 28 Jun 90 14:19:15 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 97
Posted: Thu Jun 28 15:19:15 1990

agate!iodine.cchem.berkeley.edu!eric@ucbvax.Berkeley.EDU (eric peterson) writes: ...
*What, if any, of the new bells and whistles are really useful to the cw op
(I do * use SSB at times too.). RIT seems handy, as does the notch filter.
Does *variable passband and those sorts of controls help?   I would like to
have full *break-in. What are the memories used for? Are they mostly for
the *general coverage mode of usage?
*
*Lastly, what rigs would you recommend and why? I seem to recall that
*things like the Drake CR-7 were good, but they don't seem to exist
*anymore. What if I reask this question with the stipulation that the price
be *less than $1000. What could I sell the HW101 for?
*
*Thanks for your help!!
*
*Eric Peterson   iodine.cchem.berkeley.edu
*Department of Chemistry
*University of CA, Berkely"

Eric:
Given the crowded conditions on the HF bands today, variable passband, i.f. shift, RIT, notch filters and narrow filters help tremendously at times to isolate the one signal you are trying to work. At other times, they are not needed at all. You will probably find your HW-101 useable but unsatisfactory during periods of high QRM due to the receiver bandwidth and lack of selectivity features. There are very sharp digitally-tuner

capacitor based audio filters available on the market in the $140 price range that would assist the HW-101 tremendously in CW mode. Such a device would not help SSB, though.

Memories are used to store frequencies and on some radios mode and other operational parameters. They are very useful when you work nets, cross frequency within a band, cross band or just to have one set to WWV to save tuning time. I use them for all the purposes mentioned plus save one to store the freq. of a juicy DX station in who is buried under a pile-up while I look elsewhere in the bands for another. Usine one memory and two vfo's, I can rapidly switch between three if need be.

In your price range are a number of radios such as the Yaesu 747, Icom 725 , and Kenwood TS-140. Most are without power supply (another $140 and up depending upon whether you buy a generic power supply, e.g. Astron, or the manufacturer's supply - which is usually overpriced for what you get) and lack bandpass filters beyond one basic filter. Ten Tec also makes (domestically) a rig, Argosy, I believe, in this price range which is reputed to be very good but I have no experience with it. Some come with antenna tuners, some without. An antenna tuner is a practical necessity for the solid state finals rigs. If you are a traditionalist, Kenwood also still sells the hybrid TS-530 and TS-830 lines, I think - very good and rugged rigs. Personally, I would receommend the Kenwood TS-140S or Icom 725 as they give you all the necessities and just enough amenities - i.e. bang for the buck. Additional bells and whistles (TS-940, TS-950, Icom 767, 781, etc.) rapidly drive the price up to that of a small car (slightly used car?).

Drake no longer manufacturers ham radio equipment but continues to service their products. Drake TR-7's and other models are generally available at Ham Fests and used equipment dealers for reasonable prices ($500 range). All the contemporary rigs are good and personal preference plays a large part in selection. Reputation-wise, Yaesu does not rate well in customer support, Kenwood and Icom seem about equal and generally good if slow. Ten Tec is said to have outstanding customer support My experiences with all three Japanese manufacturers have been satisfactory.

I suggest you go the your local ham radio emporiums (Ham Radio Outlet has a store in your area somewhere plus there are others) and try before you buy. Almost all of the stores have demo units set up so you can operate them. If you are not a subscriber to any ham radio magazines, do so. I recommend ARRL membership and QST. If you are interested in a used rig, you may also find one at vendors who advertise in QST as well as other journals or area ham fests. Equipment information on older gear can be obtained from fellow hams with collections of QST's, CQ's 73's & the late Ham Radio magazines.

CQ magazine publishes a Buyers Guide which may have some value but I would be skeptical of it based upon the lack of quality evident in their product evaluations - whic are more like editorial commercials. They never say anything black about a product, not even slightly gray. QST product evaluations appear the most rigorous and unbiased.

As far as ham radio equipment vendors are concerned, most are o.k. and reputable but operate on slim profit margins, so don't expect any freebies. I bought my TS-430 at HRO in Anaheim and received excellent service. I have since purchased equipment from a range of vendors coast to coast with generally satisfactory results. My current favorite is R&L Electronics in Hamilton, Ohio. My method is to decide what I want and get on the telephone utilizing their 800- numbers or direct-dialing if they don't have one. There will not be a lot of difference in price - expect 8-15% discount from advertised retail or so-called ham-net price. You have to consider the value of saving sales tax (6-8% of the price tag) by buying out of state , shipping charges and wait time. Sometimes, particularly if you are buying more than a basic rig, you can shave another 2-5% or more off the price, save the sales tax, and get the dealer to pay for the shipping if you buy all items from one vendor.

Value of your HW-101 depends upon condition but generally would be in the $200 range at a ham fest - lower on trade in, I suspect.

Good luck and best regards, Wayne, KB6CSP

From 3277713803647882696
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 16:39:03 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!hydra!jta
From: jta@hydra.Jpl.Nasa.Gov (Jon T. Adams)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <1990Jun28.142911.29632@elroy.jpl.nasa.gov>
Date: 28 Jun 90 14:29:11 GMT
References: <1990Jun23.181503.20099@cbnewsj.att.com> <1250179@hpnmdla.HP.COM>
Sender: news@elroy.jpl.nasa.gov (Usenet)
Organization: Jet Propulsion Laboratory, Pasadena, CA
Lines: 30
Posted: Thu Jun 28 15:29:11 1990

In article <1250179@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>Re using PC's as repeater controllers:
>
>Nobody has mentioned any potential problems with RFI. My XT causes significant interference to my 2M rig. Seems like there would be a potential problem placing an unshielded PC on a mountaintop in a vault filled with dozens of repeaters at different frequencies.

Actually, Al, there are. That's why site owners throw hams off the hill first. Well, maybe not always first, but in the back of their minds, it's not a bad idea...

PC on hilltops need to be in fairly well-shielded cases, complete with feedthroughs and such, and preferably no outward indication that it's a pc.

'Course, on our local hilltop, the biggest problem is the guy who runs
three GMRS radios, with no isolators on the transmitters; the transmitters
also put out broadband hash that flames our own receiver on 440.

But, heck, for the few more years that it'll be in existence, ham radio's a
great hobby...

- 73 -
jon nw6h
--
```
Jon Trent Adams, NW6H          |"As nightfall does not come at once, neither
JTA@hydra.jpl.nasa.gov         | does oppression... It is in such twilight that
"jpl don't know me from squat"| we all must be most aware of change in the air-
however slight- lest we become unwitting victims of the darkness." W.O. Douglas
```

From -1351850006973893185
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,408b2b0fd76f380
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 17:56:27 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: QST, CQ, Tech Content, blah, blah
Summary: ducks..!!
Message-ID: <67@thoreau.nsc.com>
Date: 28 Jun 90 13:48:07 GMT
References: <9006271654.AA18661@bunny.gte.com>
Organization: National Semiconductor, S. Portland, Maine
Lines: 10
Posted: Thu Jun 28 14:48:07 1990

In article <9006271654.AA18661@bunny.gte.com>, pescatore_jt%ncsd.dnet@GTE.COM
writes:
>
> If you want to read about ducks, buy a book about
> ducks, not one about birds.
>

BUT the problem is that now there are no more books about DUCKS!
The bird books just say that there are ducks and SOME of them
are: ... blah...de...blah...blah...

Ron Todd, K3FR

From -3502878085353139417
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d8f08a65bdf6351,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 17:59:12 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!UTKVX3.BITNET!BRUCEH

From: BRUCEH@UTKVX3.BITNET
Newsgroups: rec.ham-radio
Subject: <$100 voice card
Message-ID: <9006281445.AA05789@ucsd.edu>
Date: 28 Jun 90 15:45:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Thu Jun 28 16:45:00 1990

Someone mentioned that there was a voice card available for less than $100. I'm interested in such a card. Does anyone know the name of the company and a phone number?

Bruce Harrison WB4MJG
Univ. of Tennessee at Martin
BRUCEH@UTKVX   (bitnet)

From 5478521557064948735
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fca625c3001070cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 18:06:11 PST
Path: gmdzi!unido!mcsun!uunet!midway!ncar!asuvax!cs.utexas.edu!usc!ucsd!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: RE: HAM RADIO MAGAZINE
Message-ID: <9006281238.AA13287@ti.com>
Date: 28 Jun 90 12:05:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 23
Posted: Thu Jun 28 13:05:08 1990

> From: TILDE::"""wayne_a._lightsey.RochXRC""@XEROX.COM" 28-JUN-1990 00:56:31.10
> Subj: HAM RADIO MAGAZINE
>
> mail. Fortunately, I am within 4 months of renewal of my subscription so
> will test CQ's ability to change their ways and have so informed Dick Ross,
> Publisher of CQ.

Unfortunately, 4 months is not much lead time. If there were significant changes to appear in that time frame, I might expect them to be really pushing it in light of the H.R. acquisition.

In other words, they *-may-* change, but it *-will-* take time.

73,
 === * * * ===   === * * * ===   === * * * ===   === * * * ===

```
 73, de                        !   "In order to accomplish the
 Bob West WA8YCD               !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM      !    the absurd!"
                               !       -- Miguel de Animo y Jugo
 P. O. Box  863069             !
 Plano Texas 75086             !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

From -8661829643433554771
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15af55fb76e98f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 18:16:56 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!decwrl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: DELUGE THE ARRL WITH ARTICLE...
Summary: !!...DIRECTORS...! (not the Yagi kind)
Message-ID: <69@thoreau.nsc.com>
Date: 28 Jun 90 14:16:10 GMT
References: <9006262200.AA18262@ti.com> <222@ultrix.uhasun.hartford.edu>
Organization: National Semiconductor, S. Portland, Maine
Lines: 19
Posted: Thu Jun 28 15:16:10 1990

In article <222@ultrix.uhasun.hartford.edu>, jbloom@uhasun.hartford.edu (Jon Bloom) writes:
> There has been some spitballing about expanding QEX, but I don't know how
> serious it is. Tell your Director what you want. That's the quickest
> and best way to effect change.

YES, YES, the directors DO listen and they ARE ELECTED by us members. There are seven director posts up for election this year, that's more than HALF of the directorships. Let's tell them how we feel about this attempt to redirect our technical appetites. The director and vice-directorships up this year are: Central, Hudson, New England, Northwestern, Roanoke, Rocky Mountain, Southwestern and West Gulf Divisions. Those of you in clubs, get petitions signed or resolutions passed which state your feelings regarding QST technical content and QEX status, make these interests KNOWN to any and all candidates and then, (for members only) get statments from the candidates and VOTE when you get your ballot. It COULD work.

K3FR

From -2687475591015183375
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,34c192f8a0fb0fa2
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-06-28 18:30:28 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!uwm.edu!zaphod.mps.ohio-state.edu!
sdd.hp.com!decwrl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: Dubious quality of CQ review of AEA IsoLoop
Summary: WayNSDe Green
Message-ID: <68@thoreau.nsc.com>
Date: 28 Jun 90 14:00:33 GMT
References: <1990Jun19.220825.2911@midway.uchicago.edu> <5720070@hplsla.HP.COM>
<2577@anasaz.UUCP>
Organization: National Semiconductor, S. Portland, Maine
Lines: 10
Posted: Thu Jun 28 15:00:33 1990

In article <2577@anasaz.UUCP>, john@anasaz.UUCP (John Moore) writes:
> his
> answer was essentially that if people are dumb enough to buy it, it's
> their problem.

I always knew Wayne was a bit of a showman but to openly paraphrase
P. T. Barnum. Well, I guess we techies need to remember the great
driver ...Greenbacks...

K3FR

From 7498660722939466137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b654df6668c83e4c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-28 18:32:51 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!
uwm.edu!zaphod.mps.ohio-state.edu!swrinde!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Any FM in VHF Contests?
Message-ID: <820@ke4zv.UUCP>
Date: 29 Jun 90 01:32:51 GMT
References: <24300020@col.hp.com>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: none
Lines: 31
Posted: Fri Jun 29 02:32:51 1990

In article <24300020@col.hp.com> bobw@col.hp.com (Bob Witte) writes:
>
> After participating in the ARRL June VHF contest, I noted
> again the absence of FM operation in the contest, at least
> in my area (Colorado). It seems reasonable that most 'serious'
> VHF contesters would have SSB capability and would tend to
> make use of that rather than FM. But it also seems that there
> are about 10 gillion ops with 2M FM rigs out there mobiling around or

```
> whatever who would enjoy finding out how far a 2M simplex
> signal can really go. (Colorado is especially well suited for this
> with high mountains close to large plains.)
>
> OK, so here are my questions:
>
> 1. Is the severe lack of FM activity in VHF contests
>    a fact in other parts of the country? If not, why not?
>    Can you characterize the type of operator (e.g. just out
>    driving around and works the contest, makes it a point to
>    get on the air for a few contacts, seriously pursues
>    the contest, etc.)?
>
> 2. What can be done to encourage more VHF contest activity,
>    particularly on FM? Or maybe this isn't a good idea at all?
                         ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
> Your opinions please.
```

Well you did ask. Many of the folks who moved to VHF did so partly to get away from the endless contesting and DXing that have ruined the HF bands.

Gary KE4ZV

From -2086717447298411292
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f52dcdbc274cb4d8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-25 14:49:01 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Reposting something I saved, Pt. 2
Message-ID: <254.2685523B@w8grt.fidonet.org>
Date: 25 Jun 90 15:32:02 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 137
Posted: Mon Jun 25 16:32:02 1990

From: gb@sunpix.East.Sun.COM (Gary Bishop - Sun Visualization Products)
Newsgroups: rec.ham-radio
Subject: Ham Radio Magazines of the World
Message-ID: <1483@sunpix.East.Sun.COM>
Date: 11 May 90 20:06:14 GMT
Sender: gb@sunpix.East.Sun.COM
Organization: Sun Microsystems, Research Triangle Park, NC

[Part 2 of 2]

HAM JOURNAL. (Text in Japanese) q. CQ Publishing Co., 1-14-2 Sugamo, Toshima, Tokyo 170, Japan Ed. TOmo Hayami.

621.38 II ISSN 0019-624X
INDIAN RADIO AMATEUR. 1966. 3/yr. Rs.11. Amateur Radio Society of India. Treasurer, 5-E Connaught Place, New Delhi 1, India. Ed. O.P. Verma. adv. charts. illus.

621.38 CN ISSN 0048-1734
ONTARIO AMATEUR. 1964. bi-m. membership. Radio Society of Ontairo, Inc. Box 246, Port Credit Postal Station, Mississauga, Ont. L5G4L8, Canada. TEL 416-925-3311. Ed. R.D. Pellowe. adv. circ. 1,400.

621.38 DK
OZ; tidsskrift for amatoer-radio. 1927. m. Kr.385. Landsforeningen Edsperimenterende Danske Radioamatoerer, Postbox 172, DK-5100 Oden: C, Denmark, Ed. Flemming Hessel. adv. bk. rev. charts. illus. index. circ. 6,000.

384.4 UK ISSN 0141-0857
PRACTICAL WIRELESS. 1932. m. $22.40. I P C Magazines Ltd., Pratical Group, Westover House, West Quay Rd., Poole, Dorset BH15 1JG, England. Ed. Geoff Arnold. circ. 41752.

621.38 US ISSN 0886-8093
QEX ARRL EXPERIMENTERS' EXCHANGE AND AMSAT SATELLITE JOURNAL. m. $12 to non-members. American Radio Relay League, Inc. 225 Main St., Newington, CT 06111. Ed. Paul L. Rinaldo. circ. 4,500.

621.38 US ISSN 0033-4812 TK1
QST; devoted entirely to amateur radio. 1915. m. $25 to non-members. American Radio Relay League, Inc., 225 Main St. Newington, CT 06111. Ed. Paul Rinaldo. adv. bk. rev. charts. illus. index. circ. 145,000.

621.384 SW ISSN 0033-4820
QTC. 1927. 11/yr. Kr.127.50($16.30) Foereningen Sveriges Saendareamatoerer, Oestmarksgatan 43, S-123 42 Farsta, Sweden. Ed. Sven Granberg. adv. bk. rev. illus. circ. 7,300.

621.38 RH
QUA (Text in English) 1966. bi-m. controlled circulation to members only. Zimbabwe Amateur Radio Society, Box 2377. Harare, Zimbabwe. Ed. Molly Henderson. (processed)

621.38 US ISSN 0033-7161
RTTY JOURNAL. 1953. 10/yr. $10. RTTY Journal, 9085 La Casita Ave., Fountain Valley, CA 92708. TEL 714-847-5050. Ed. Dale S. Sinner. adv. bk. rev. charts. illus. pat. tr.lit. index. cum-index: 1956-1980. circ. 5,700.

621.38 YU ISSN 0033-8168
RADIO-AMATEUR; casopis Saveza radio-amatera Jugoslavije. 1947. m. 3360 din($30) (Savez Radio-Amatera Jogoslavije) Technicka Knjiga 7 Jula 26, Belgrade, Yugoslavia. Ed. Zarko Resanovic.

621.38 US ISSN 0033-779X CODEN: PRCAAO
RADIO CLUB OF AMERICA, PROCEEDINGS. 1920. s-a. $6. Radio Club of
America. Inc., c/0 John Oirrisey, Ed., 45 S. Fifth St. Park Ridge, NJ
07656. TEL 201-246-7271. bk. rev. illus. index. circ. 1,200. Indexed:
Sci.Abstr.

384.5 UK ISSN 0033-7803
RADIO COMMUNICATION. 1924. m. membership. Radio Society of Grat
Britain, Lambda House, Cranborne Rd., Potters Bar, Herts EN63Je,
England. Ed. A.W. Hutchinson. adv. bk. rev. bibl. charts. index. circ.
36,000.

791.4 FR ISSN 0033-7668
RADIO - PLANS. 1933. m. 50 F. Publications Georges Ventillard, 2.12
rue de Bellevue, 75940 Paris Cedex 19, France. Ed. J.C. Roussez. adv.
charts. illus. index. circ. 49,000.

621.3 II
RADIO_TRANSITRONIC CONSTRUCTOR; radio, television audio electronics.
(Text in English) vol. 7, 1970.m. Rs.8. 132-3612 Pantnagar, Bombay 75,
India. Ed. Sushil Bhatia. adv. bk. rev. charts. illus. tr.lit.

681.384 UK ISSN 0037.4261
SHORT WAVE MAGAZINE. 1937. m. L3.75. Short Wave Magazine Ltd., 34 High
Street, Welwyn, Herts, England. Ed. Paul Essery. adv. charts. illus.
circ. 15,000. Indexed: Br.Tech.Ind.

621.38 CN ISSN 0049-5778
V E 6. 1964. m. Can. $5. Amateur Radio League of Alberta, Box 447,
Thorhild, Alta. TOA 3J0, Canada. Ed. Vic Prodanink. adv. circ. 500.

384.5 US
WORLDRADIO. 1971. m. $12. Worldradio, Inc., 2120 28th St. Sacramento,
CA 95818. TEL 916-457-3655. Ed. Christine Wilson. adv. bk. rev. illus.
circ 26,600.

621.384 US ISSN 0883-234X TK9956
73 FOR RADIO AMATEURS. 1960. m. $24.97. C.W. Communications, Inc.
(Peterborough), 80 Elm st., Peterborough, NH 03458. TEL 603-924-9471.
Ed. Susan Philbrick. adv. bk. rev. illus. index. circ 65,000.
Path: w8grt!nstar!ndmath!cartan!news!iu
vax!mailrus!cs.utexas.edu!uunet!fernwood!portal!cup.portal.com!ckp From:
ckp@cup.portal.com (Christine K Paustian) Newsgroups: rec.ham-radio Subject:
Re: Ham Radio Magazines of the World Message-ID: <29834@cup.portal.com> Date:
12 May 90 13:36:05 GMT References: <1483@sunpix.East.Sun.COM> Organization:
The Portal System (TM) Lines: 13

Two additions to the list:

RADIOSCAN MAGAZINE - Spanish Edition - 175 Fontainebleau Boulevard, Suite
2K-5, Miami, FL 33172. Subscriptions: Domestic - one year $19.95, two
years $38, three years $58.00. Foreign Air Mail - one year $50.00, two
years $90.00, three years $130.00. Circulation is to 21 Spanish-speaking

countries.

RADIOSCAN MAGAZINE - English Edition - ISSN 1049-9121 - published monthly
by RADIOSCAN Corporation, 175 Fontainebleau Boulevard, Suite 2K05, Miami,
FL 33172. Subscriptions: Domestic - one year $14.95, two years $30.00,
three years $40.00. Canada/Mexico - one year $19.95. Foreign Air Mail:
one year $70.00.

```
--- FD 1.99c
 * Origin: Moderator, HAM_TECH / HAM4SALE Echoes (1:234/1)

--
  |\/\/\/|
  |      | Jim Grubs - via FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\         of the Mind and ride the NOS!"
```

From -5222765236537107443
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95580c46a828efa5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-25 14:51:01 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!mips!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: Amateur Auxiliary
Keywords: QRM, Illegal
Message-ID: <2767@wyse.wyse.com>
Date: 25 Jun 90 18:13:46 GMT
References: <54551@lanl.gov>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 98
Posted: Mon Jun 25 19:13:46 1990

In article <54551@lanl.gov> rdw2030@venus.tamu.edu writes:
>
>Are there any members of the Amateur Auxiliary here? What ability does the
>(ahem) AA :-) have to help control this sort of crap that's going on on 20M
>and elsewhere? I would love to get in on such an activity. Just tuning
>around, I hear so much garbage and feel helpless to do anything about it, as
>many others have stated here.

I guess I qualify as a member of the auxiliary (OOC for SCV ;-)
so I'll try to answer some of your questions. The Amateur Auxiliary
is able to send notices to stations who the OO believes is in some
manner not complying with Part 97. This can be anything from
not IDing every ten minutes to jamming. This is an attempt at

self-policing. The OO doesn't have any special powers, he's just another ham, no more than that.

>How does the Auxiliary work? I guess I can whip out the Handbook. Hmmm...
>precious little. It refers to an article in QST of Aug '84.

Well, we listen alot. If we hear something that sounds like a violation we'll write a card to the station we heard. The card indicates what the OO heard, along with a reference to the relevant section of Part 97.

If a problem persists the OO can bring the situation to the attention of the OO Co-ordinator for his section. The OOC can either ask for help from what is known as the Regional Monitoring Station or try to deal with it himself. In my section I worry mostly about VHF problems, and will try to deal with these myself. If its an HF problem I'll pass it up the chain to the RMS.

The RMS stations are appointed by directors and are the ham equivalent of the FCC monitoring stations. There aren't to many of these stations. In CA we have a total of 3(that I'm aware of).

When a problem can't be solved by peer pressure then the only choice left to the OOC/RMS is to turn the problem over to the FCC. Before this can happen the OOC/RMS must inform the ARRL division director about the case. How this turn over occurs is different in each section. My section (Santa Clara Valley) has a Memorandum of Understanding with the the San Francisco FCC office about how this is to happen. This agreement has been in place for just a year and we've had pretty good results so far.

The FCC in our section requires that we supply them with information about what the we believe the violation is, when it is occuring, and which city we believe the station to be located. The biggest part of this list is the nature of when the offense is occuring. It must be repetitive and predictable for the FCC to come out. They don't have a great deal of man-power so FCC uses the amateur auxiliary to do some of the foot work before they show up on the seen. FCC gets alot of calls of the sort "Well, this guy is on the repeater and he's cussing all the time." So the FCC asks when he's on and gets the reply "Oh, he's on all the time...I heard him on last night, then he was on maybe a week ago in the morning." That's why the repetitive/perdictable part ;-)

>But hey, if we all write to our section managers (the guys that control the
>Auxiliary for their area) and find out about this, maybe we CAN do something!

Feel free! I can assure you that the next SM of the SCV has a pretty good understanding of the situation here ;-) and for that matter the current one does too (Glen, WB6W, is my partner when I go out on most of my DFing expeditions.) Your SM can at least direct you to the OOC in your section.

The real problem we have isn't VHF because that can be dealt with
fairly effectively at the local level. HF with its' capability
of spanning the country/globe is harder nut to crack. How do
you DF someone thats half a continent away, then do something
about it? I'm not sure there is a good answer for this one.
I sure don't have it anyway....

>I'm not one to advocate "tattling" on a fellow ham, but if he is deliberately
>abusing the privilege, than screw it! Let the FCC know and hope that $1000
>fine does the trick!

This is a fine point that maybe needs to be discussed. The Auxiliary tries
to use peer pressure to get people to moderate their behavior. Thats
the only tool we have. We aren't band cops, just merely other hams that
have to live-on/use the same frequencies. When peer pressure fails then
the FCC is the only resort we have. FCC also gives a person one chance
before fines start getting levied. If the person heeds that warning
that will be the end of it. This is what happened in the two casses
that I've turned over to FCC in the last year. I'm glad it turned
out that way. The two offending parties started behaving themselves
and that was the end of it.

>What do you all say? I have not heard of ANYONE being in the Aux., nor have I
>heard any mention of it in all my many years of hamming. (1.5, to be
>precise!) :-)

Well now you've heard from someone ;-) I'll be glad to try and answer
any questions you've got.

Steve Wilson KA6S
OOC for SCV section

From -5103980344018433099
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e784e44bf9149a2d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-25 14:51:05 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!mips!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: 20M garbage, etc.
Message-ID: <2768@wyse.wyse.com>
Date: 25 Jun 90 18:18:00 GMT
References: <54907@lanl.gov>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 11
Posted: Mon Jun 25 19:18:00 1990

In article <54907@lanl.gov> rdw2030@venus.tamu.edu writes:
>I guess noone heard my request for Amateur Auxiliary info...
>
>hint hint
> stuff deleted...
>Mark C. Lowe - KB5III

Geessssh Mark......Even OO's go on field day. See my comments in
the previous posting.

73's de Steve KA6S

From 8193010637039916755
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3e227ebfc59d37e0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-25 14:51:06 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!mips!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: HR mag
Keywords: sigh...
Message-ID: <2769@wyse.wyse.com>
Date: 25 Jun 90 18:25:16 GMT
References: <8205@b11.ingr.com>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 14
Posted: Mon Jun 25 19:25:16 1990

In article <8205@b11.ingr.com> herbster@b11.ingr.com (Joe Herbster) writes:
>
>I got my fist license the year HAM-RADIO magazine started publishing. I have
>now received my first EVER issue of "Contest-Quarterly" as a consolation prize.
>   Why do i feel like i got the very short end of the stick??
>   What a R.I.P.
>
>   de km4jn

Cuz you were!

I tried canceling my subscription, they didn't do it!

Steve KA6S

From 6891214718440032296
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,89c84da0b91c19a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-25 14:52:32 PST

Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: 20 meter mess
Message-ID: <1250178@hpnmdla.HP.COM>
Date: 25 Jun 90 16:20:38 GMT
References: <329@e2big.enet.dec.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 14
Posted: Mon Jun 25 17:20:38 1990

>>alanb@hpnmdla.HP.COM (Alan Bloom) writes:

>>I have an idea. Eliminate voice as a legal mode in Amateur radio.

>>Al N1AL

>actually, I'll agree that CW operators tend to be more civil, and it's about
----

It's interesting that everyone assumed that I thought the only alternative was CW.

Al N1AL

From 3745799890576290293
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc45f70577cde227
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-25 15:05:51 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!trub
From: perley@trub (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: How to buy a QSO, 20 M mess, etc...
Message-ID: <8993@crdgw1.crd.ge.com>
Date: 25 Jun 90 21:21:32 GMT
References: <1990Jun22.221444.25178@ecn.purdue.edu> <1990Jun25.144036.27405@dg-rtp.dg.com>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@trub (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 25
Posted: Mon Jun 25 22:21:32 1990
In-reply-to: harrism@aquila.rtp.dg.com (Mike Harris)

In article <1990Jun25.144036.27405@dg-rtp.dg.com>, harrism@aquila (Mike Harris) writes:

>I, personally, wouldn't mind it if omnidirectional antennas were also illegal.
>Why should anybody expect to own a frequency in *every* direction. I'd be

>happy, though, to just have a lower power limit. One can do *so* much with
>antenna's - it's amazing.

>We'd have *alot* more room on our bands if people used directional antennas
>and ran reduced power. The latter would force the fomer somewhat.

It sure would cut down on the round-table QSO's & networks.

Oh, and the mobile operators might think it was a bit of an imposition.

I would think that Kilowatt ops are more likely to have a beam & tower
already. Either they have more money to spend, or are willing to spend
more of what they have on the hobby.

We have a lot more room with most people running SSB rather than AM,
but we didn't have to legislate to accomplish it. People switched for
their own reasons (like more bang for the watt).

-don perley - ke2tp

perley@trub.crd.ge.com

From -4404477228061539506
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9748cd30228d1e92,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-25 15:30:05 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: RE: Making Ham Radio Known
Message-ID: <9006252139.AA22365@ti.com>
Date: 25 Jun 90 19:31:17 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 64
Posted: Mon Jun 25 20:31:17 1990

> From: TILDE::"ajs@hpfcdc.HP.COM" "Alan Silverstein" 24-JUN-1990 01:31:25.18
> To: info-hams-incoming
> Subj: Re: Making ham radio known
>
> > Think about what you do in ham radio. Do you yak with your friends on
> > the way to work on the 2-meter repeater?
>
> Well I've only been Tech-licensed a week and a half, but one thing I do
> is help people make phone calls to friends from the top of 14000'
> mountains. If that doesn't stimulate interest, I dunno what will.
>
OK, you've made a positive contribution right there, only two weeks out of
the mailbox. (Congrats, BTW!)

Anything a ham does for the public, whether its a courtesy phone patch/remote call, or getting help to someone stranded in a flood or earthquake, is on the plus side.

We need all of that we can get. Good show.

Now. Were those folks (since they were up on a mountain...) part of a club or organization (climbing club, environmentalist organization, whatever?)

Is there a way you can arrange for a presentation at one of their meetings about ham radio? If not yourself, maybe someone from your radio club is not uncomfortable in front of a strange group...

SYSMSGSBE-W-WARNING: SOAPBOX MODE ENGAGED...

That's a little more agressive, and I think that is what Patty and some of us were looking for. I unfortunately, between work and running code practice for the club and helping out with the VE team have plenty to do. If I had about three more nights per week, I'd like to seek out new life and new civi-... oops... new organizations that need programs and present to Lion's Club and Elks and Shriner's and Ladies' Auxiliary of the Volunteer Fire Department... and present ham radio as it is (or as we hope it to be!)

Two things are possible if you do that right...

(1) Jane and John Q. Public know FOR REAL what ham radio is, not what rumor and misinformation make of it, and
(2) SOMEBODY might get interested.

(2) is nice, but they're not going to beat your door down. (1) builds a firm foundation on which (2) can build from.

Maybe, maybe not. But it sure can't hurt...if it's done well.

SYSMSGSBE-I-NOTICE: SOAPBOX MODE TERMINATED.

Have fun with your new license. Go try all the neat things you can do, and if you can do a favor for a friend or a stranger, let 'em know it was a HAM who did it!

73,

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                          !   "In order to accomplish the
 Bob West WA8YCD                 !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM        !    the absurd!"
                                 !       -- Miguel de Animo y Jugo
 P. O. Box  863069               !
 Plano Texas 75086               !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

From -6625245172941530796
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e386a94184fce544,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-25 15:32:20 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: RE: ... Teaching Science, etc.
Message-ID: <9006252141.AA22506@ti.com>
Date: 25 Jun 90 20:24:27 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 34
Posted: Mon Jun 25 21:24:27 1990

> From: TILDE::"BRUCEH@UTKVX3.BITNET" 25-JUN-1990 15:01:53.93
> To: info-hams-incoming
> Subj: HR/CQ, Teaching Science, etc.
>
> one of the best ways to support science education is to become INVOLVED
> in the science fair programs in a local school. If they don't have one
> start one (with the help of the local school). One has to be careful
> not to step on the toes of the local science teachers, principles, etc.
> but I've found them to be open to ideas, HELP, etc. We raised money for

Maybe one slightly different tack is to approach the TEACHERS, make resources and training availble to them, and offer to assist with transferring it to the students.

I get the impression a lot of teachers feel tied up with budget constraints and administrative policy.

If you can get one teacher interested in ham radio, that might lead to getting a dozen students involved...

Just a thought!!

73,
Bob

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                          !   "In order to accomplish the
 Bob West WA8YCD                 !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM        !    the absurd!"
                                 !       -- Miguel de Animo y Jugo
 P. O. Box  863069               !
 Plano Texas 75086               !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

From -3260430599491179197

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38d0080cff917e06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-25 15:44:07 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!bionet!synoptics!unix!hplabs!hpda!hpcupt1!hprnd!hprpcd!!stan
From: stan@.HP.COM (Stan Witherspoon)
Newsgroups: rec.ham-radio
Subject: Re: YAESU FT-411 MOD, please help!
Message-ID: <15780005@.HP.COM>
Date: 25 Jun 90 22:44:07 GMT
References: <7880152@hpfcdc.HP.COM>
Organization: HP, Systems Technology Div., Roseville, Ca.
Lines: 101
Posted: Mon Jun 25 23:44:07 1990

Here is the info for the mods server:

Stan

```
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
~  Stan Witherspoon            ~      Disclaimer      ~
~  Systems Technology Division ~~~~~~~~~~~~~~~~~~~~~~~~
~  Hewlett Packard Company     ~ These are my         ~
~  8010 Foothills Blvd.        ~ personal opinions    ~
~  Roseville Ca. 95678         ~ and do not represent ~
~  Phone: (916) 785-5071       ~ the views of anyone  ~
~  RF: N6SCE                   ~ or anything else     ~
~  Email: ucbvax!hplabs!hprpcd!stan                   ~
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
```

This file is: INTRO MODS

MODS database
---- --------

This database was setup to archive files containing information on how to modify radio equipement to either improve its performance, or add new functions or capabilities to the radio.

*** AS of Nov 1, 1989 FTP access from the internet is available
HAMSTER.business.uwo.ca   [129.100.22.100]

To access a file from the archive via mail, send a message to the server running under userid -> BITLIB@UWO.CA
Also you may try the userid -> BITLIB@UWO.CDN

The subject of the message MUST be ->   MODS
If your mailer does not ask for the subject; make the first line of your message look like this:

SUBJECT: MODS

The server ignores all messages that do not have MODS in the subject field. All bad requests get re-routed to my userid ,and I eventually read them, fix them, and re-submit them.

The text of your message descibes what files you want. For example:
sendme intro mods
sendme radio mods
sendme TH215 mods

You can have as many requests in the same message as required.
INTRO MODS is the file you are reading now.
RADIO MODS is a list of files available.
TH-215 MODS is a file that can be requested.

Below is an example of a file request message:

```
......................................................................
.
.   Date:    Friday, April 5, 1989
.   From:    MBRAMWEL@BUSINESS.UWO.CA (Mark Bramwell)
.   Subject: MODS
.   To:      bitlib@uwo.ca
.
.   from: mbramwel@uwo.ca
.   sendme radio mods
.   sendme pro2004 mods
.   sendme tm721 mods
.
.................................................................
```

In the above example I have a 'from:' line in my message. That will tell the server to send to an id other than the id listed in the header. The userid should be reachable from bitnet. That means UUCP users should include a gateway in their id.

To submit a file for the database, send me the message and I will add your entry to the database.

**Note: If you don't seem to be getting a reply to your requests, it is probally due to the fact that your header doesn't show a reachable address. You must be reachable from UWO. You can place your return address in the first line of your message. Example:
  FROM: someuser@somenode

UUCP users have had some success by stating their address as:
  userx!usery!userz@julian.uucp
Julian can usually find most gateways.

Any questions or concerns can be directed to:

Mark Bramwell VE3PZR
University of Western Ontario
School of Business Administration
London, Ontario

Bitnet: MBRAMWEL@UWO.CA Packet: VE3PZR @ VE3GYQ

FTP Server: HAMSTER.business.uwo.ca [129.100.22.100]

From 4755194393389865101
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 04:36:12 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!hplabs!hpcc01!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Re: The Demise of HR Magazine and Comments on CQ
Message-ID: <24300016@col.hp.com>
Date: 25 Jun 90 16:38:38 GMT
References: <2480@kodak.UUCP>
Organization: HP Colorado Springs Division
Lines: 30
Posted: Mon Jun 25 17:38:38 1990

Re: Goodbye Ham Radio Magazine

* I said goodbye to HR some time ago. I feel that they lost the formula that made them successful. The magazine appealed to the more technical portion of the amateur radio population. About three or four years ago, I think they forgot this fact and started watering down their technical content. I had written a couple of articles for them and conversations with their editors began to center more on sure fire idiot proof construction and less on technical content (IMHO).
  At that point I pulled the plug on my subscription, so I have no recent experience with HR.

* Wireless World is a really interesting magazine. It has a great mix of electrical engineering, amateur radio, general electronics hobbyist stuff, basic theory and pseudo-science. The downside is 1) ads are for UK products 2) prices are in pounds 3) words like color are spelled 'colour' 4) expensive in the US.

```
--------------------------------------------------------------------
Bob Witte              HP Colorado Springs Division
bobw@col.hp.com        P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO  80901
Radio: KB0CY           Packet: kb0cy@w0lkd
--------------------------------------------------------------------


From -6122551893936318821
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3c28b71e9f7bf5e1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 06:27:29 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-
state.edu!tut.cis.ohio-state.edu!ucbvax!mbian.gal.utexas.edu!John.Perry.-.KG5RG
From: John.Perry.-.KG5RG@mbian.gal.utexas.edu
Newsgroups: rec.ham-radio
Subject: test
Message-ID: <74156B1FBBFF001C69@mbian.gal.utexas.edu>
Date: 26 Jun 90 02:28:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: PERRY@mbian.gal.utexas.edu
Organization: The Internet
Lines: 1
Posted: Tue Jun 26 03:28:00 1990

test


From 7701991162619268831
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8cd2e2196a0e8c8a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 06:32:57 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!mbian.gal.utexas.edu!
John.Perry.-.KG5RG
From: John.Perry.-.KG5RG@mbian.gal.utexas.edu
Newsgroups: rec.ham-radio
Subject: startup message
Message-ID: <7414437482DF001C69@mbian.gal.utexas.edu>
Date: 26 Jun 90 02:36:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: PERRY@mbian.gal.utexas.edu
Organization: The Internet
Lines: 1
Posted: Tue Jun 26 03:36:00 1990

startup message


From 372570911586952275
X-Google-Language: ENGLISH,ASCII-7-bit
```

X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 07:06:29 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!sdd.hp.com!decwrl!ucbvax!
hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: The Demise of HR Magazine and Comments on CQ
Message-ID: <7880165@hpfcdc.HP.COM>
Date: 25 Jun 90 20:18:49 GMT
References: <2480@kodak.UUCP>
Organization: HP Ft. Collins, Co.
Lines: 21
Posted: Mon Jun 25 21:18:49 1990

>I see a lot of people p*ssing and moaning about the lack of technical
>material. I _don't_ see those people writing and submitting articles.
>
>Jon Bloom, KE3Z

I agree. Magazines don't dream up this stuff - we do. When was the last time you did something original ? If you have a better, cheaper, faster way to do something and don't publish, it's as if you never thought of it at all.

What about me ? I'm working on a cheaper soft-start for high-power (tube) RF amps. Does one already exist ? I don't know - I haven't seen one yet.

By the way, I find this newsgroup to be a powerful counter point to the regular mags. We can say what we want against CQ and QST in an unedittted manner. We can also exchange ideas in a way not possible via a magazine. I even find technically useful information, despite the lack of graphics.

Perry Scott, KF0CA

From 6942267082506382219
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,48d858f8ce8288f6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 07:14:35 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!
brutus.cs.uiuc.edu!apple!usc!ucsd!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Strange RFI
Message-ID: <7880163@hpfcdc.HP.COM>
Date: 25 Jun 90 19:47:54 GMT
References: <54550@lanl.gov>
Organization: HP Ft. Collins, Co.
Lines: 11

Posted: Mon Jun 25 20:47:54 1990

>Is there a television set operating nearby? I get all kinds of RFI from my TV,
>and a bit from the neighbors'. The horizontal oscillator operates at
>15.734 KHz.

Yeah, I get this one, too. Lessee - 30 Mhz is on about the 2000th
harmonic. That's a sharp sawtooth indeed ! Can I put a ferrite bead
on a wire somewhere in the telly to get rid of this ?

My wife finds it ironic she QRMs me as much as I QRM her. :-)

Perry

From -1533666924896158449
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 07:14:37 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!usc!ucsd!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <7880166@hpfcdc.HP.COM>
Date: 25 Jun 90 20:21:23 GMT
References: <1990Jun23.181503.20099@cbnewsj.att.com>
Organization: HP Ft. Collins, Co.
Lines: 5
Posted: Mon Jun 25 21:21:23 1990

Just a word of caution - disk drives are less rugged than most electronics.
If the controller spends most of it's time in an air-conditioned shack, it
should be fine. :-)

Perry Scott

From 999341453411322211
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d05507801e665fad,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 07:56:14 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes, 6/22/90
Message-ID: <1548@n8emr.UUCP>
Date: 25 Jun 90 21:56:32 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 159

Posted: Mon Jun 25 22:56:32 1990

```
==============================================================
|         Relayed from packet radio via                  |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ RTTYDX $RTDX0622
RTTY DX Notes, 1of3, 6/22/90

RTTY DX Notes for Weekending 22nd June 1990.
Part 1 of 3.
BID: $RTDX0622

The ANARTS contest has come and gone, and if you thought that the propagation was poor for that weekend, you should have a look at it now. Even the intruders are missing. But we have received some logs, and from some of the scores there was little to complain about. Keep the logs coming, chaps.

Our thanks this week go to I5FLN, I5ICY, I5IGQ, OD5NG, PJ2MI, TG9VT, VK2EG, W2JGR and the Tri-State DX Association VHF packet cluster. Thank you all for your assistance. Every little bit helps.

Bandpass:

Friday 15:

ED9CI	14083	at	0001Z	QSL/Note
KR6N/KP4	14087	at	0034Z	
FO5EM	14081	at	0610Z	
VR6WH	14088	at	0655Z	
BV2HC	14087	at	1252Z	
PJ2WOL	14074	at	1407Z	ARQ
CU2AT	14090	at	1642Z	
HK0BKX	21090	at	2110Z	QSL
T5RM	14074	at	2114Z	QSL/ARQ

Continued in part 2.
/EX
SB RTTYDX @ RTTYDX $RTDX0623
RTTY DX Notes, 2of3, 6/22/90

RTTY DX Notes for Weekending 22nd June 1990.
Part 2 of 3.
BID: $RTDX0623

Saturday 16:

FY5DG	14090	at	0040Z	QSL
SU1HN	14083	at	0305Z	QSL

ED9CI	14091	at	0310Z	
HK0BKX	14088	at	0335Z	
V31AR	14075	at	0400Z	ARQ
EA6BH	14078	at	0703Z	
9M2AX	14085	at	1138Z	
FM2WL	14086	at	1159Z	
YB0GI	14093	at	1329Z	
HS1BV	21091	at	2005Z	
EA9MY	14083	at	2257Z	

Sunday 17:

ED9CI	14091	at	0036Z	
J28TY	14089	at	0252Z	
UZ3AWP	14088	at	0410Z	
UQ2HO	14088	at	0703Z	
HI8BJ	14089	at	1240Z	
PP8DA	21089	at	1528Z	
5N0ETP	21089	at	1532Z	
CU2CB	21090	at	1556Z	
VR6WH	14089	at	1725Z	
SV5TS	14082	at	1957Z	
EA9MY	14081	at	2252Z	

Monday 18:

UZ3AWP	14081	at	0605Z	
J28TY	21090	at	1400Z	
9Q5BG	21084	at	1742Z	
KC5RY/HP1	14074	at	2000Z	ARQ
6Y5EW	14074	at	2055Z	ARQ
YL1WW	21084	at	2116Z	

Tuesday 19:

J73WA	14086	at	0149Z	
YL1WW	14090	at	0300Z	
FY4FS	14088	at	0537Z	
LY1BYL	14086	at	2027Z	
RF1F/UA3TT	14082	at	2322Z	
V44KW	14088	at	2339Z	

Continued in part 3.

```
/EX
SB RTTYDX @ RTTYDX $RTDX0624
```

RTTY DX Notes, 3of3, 6/22/90

RTTY DX Notes for Weekending 22nd June 1990.
Part 3 of 3.
BID: $RTDX0624

Wednesday 20:

LY2WW	21083	at	0235Z	
RA3AL	14097	at	0345Z	
EA6MQ	14097	at	0518Z	QSL

```
KL7KJ       14087  at  0522Z
VR6WH       14089  at  0635Z
PJ2MI       14074  at  1040Z  ARQ
ES2WX       14084  at  1153Z
UA9EAL      14085  at  1352Z
BV4VB       21088  at  1745Z
PZ1DZ       14084  at  2338Z
```

Thursday 21:

```
UQ2HO       14089  at  0348Z
J73EH       14082  at  0440Z
EA6MQ       14088  at  0516Z
```

QSL Information:

ED9CI says to QSL via EA9KQ.

T5RM will QSL via HB9RTR, 134 Saules, 1233 Bernex, Switzerland.

HK0BKX (San Andres) via WB9NUL.

FY5DG is at Box 450, Kouru, French Guyana.

SU1HN will QSL via Box 1578, Alf Maskan, Cairo.

EA6MQ will QSL via his Callbook address.

Notes of Interest:

ED9CI was the station that was reported last week as having the callsign of AN9CI. The call was changed at the last moment, but it was still Aure on Chafarinas Island.

YL1WW is in Riga, USSR. No further information at this time.

TV9GIR will be a special call from Margaux Island (north of Bordeaux) on June 23/24. They will operate all bands and modes (including CW on 10 MHz). QSL via FD1MRE or via the bureau.

We appear to be a little short of information this week, but propagation has been very poor, and someone has taken Africa off the map.

GL DE DX1 (VK2EG) VIA TG9VT.

Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA. Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.
/EX
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]

HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From 3427223874158495479
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd328fb28f14daa4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 08:13:17 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!AMC.UVA.NL!POSCH
From: POSCH@AMC.UVA.NL ("Cor Posch, A.M.C. Amsterdam")
Newsgroups: rec.ham-radio
Subject: Denmark & Holland
Message-ID: <73B7EA92789F001D0B@AMC.UVA.NL>
Date: 26 Jun 90 07:38:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 52
Posted: Tue Jun 26 08:38:00 1990

In article <1990jun21>att!cbnewsj!mea1@ucbvax.Berkeley.EDU (michael.e.alterman) writes:

>We are planning a vacation to Denmark and the Netherlands this summer.
>My wife and I are both licensed hams and we would like to bring our HT
>and or mobile transceiver with us. (ICOM-IC24AT and 3210, USA models)
>We would like to use them to meet local hams, as well as for travel advice.
>Are there repeaters on 2M and 440 MHz around those countries as there are here,
>and will our current equipment be fine for accessing them, or do they have
>different requirements for access, such as special tones, or different offsets?

The repeaters in Holland are all located in the 145.6 - 145.775 region, and most of them do not require a tone burst to start them up. The offset is as in the US, -600 Kc for the input frequency. On 70cm most of the repeaters are in the 430.000 - 430.500 region, requiring a +1.6Mc shift for the input frequency. Remember the bandplan is a lot smaller in Holland for 2m and 70cm as it is in the US, but you can easaly find that your reciprocal license (I guess).

>Are the operating procedures on VHF/UHF repeaters similar to in the USA?

When I was over in the US, I noticed no big differences, so I guess they are the same.

>Can we obtain directories of repeaters, before we leave home.

It'll be probably (again) in your receprocal license agreement, but if not, I'm quite willing to help you out.

>What is the required procedure for reciprocal operating privileges?

As I did for Canada and the US, request one. The address, I think, you can use for Holland is:

HDTP/ Directie Operationele Zaken
Postbus 450
9700 AL Groningen
The Netherlands.

Include to speed up the procedure, copies of your US licenses. As noted before, you might have to pay for your license(s)!

>Please reply via email, if possible.

Why personaly, I think it could be of interest for a wider audiance too.

Hope to hear you.

Cor Posch, PA3DYW
POSCH@AMC.UVA.NL

From 4520660361649133327
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 08:18:30 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <26434@netnews.upenn.edu>
Date: 26 Jun 90 06:17:05 GMT
References: <1990Jun23.181503.20099@cbnewsj.att.com> <7880166@hpfcdc.HP.COM>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu.UUCP (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 56
Posted: Tue Jun 26 07:17:05 1990

In article <7880166@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>Just a word of caution - disk drives are less rugged than most electronics.
>If the controller spends most of it's time in an air-conditioned shack, it
>should be fine. :-)
>
>Perry Scott

IMHO, using a PC as a repeater controller is a good idea, and shouldn't be difficult to implement. PC's are nice because most of the hard work that would normally have to be done in hardware in a non-CPU based repeater can be done in software. Access codes can be easily changed, PROMS don't have to be burned for different CW ID's, the ID's themselves can be generated by the computer, etc. The way I see it, the above caveat can easily be remedied by not using floppy drives/a hard drive in normal operation. The system should be set up so that upon booting, both the control software and all data necessary to run the repeater, including the custom control codes, ID's, messages, etc. should all be loaded into memory to prevent unnecessary use of the disk drive and also to increase speed. But that's probably pretty obvious. I can't think of any real reason why the computer would have to write anything to disk as the repeater is used. What's there to be logged that easily be converted to a digital format that's of any use?

BTW, most of the interfacing can probably be done without having to directly communicate with the computer byte-wise. Control lines on the RS232 port make handy binary lines. Having the computer set lines high is a quick and efficient way of flipping relays, keying CW, etc. They can be used as input as well - have a receiver set the line high when a signal opens squelch. It's a lot easier than having to read and write 8 bits on the data lines and allows for more than one device to be connected to the computer unlike 2-device serial communications. And if one port isn't enough, another serial port can be added for about $25. A stripped-down single-floppy XT clone with 2 serial ports should cost less than $500 new, probably under $300 used. If money is really tight, use as C64 (ick) or trash-80.

About the only "real" communications that would be necessary would be getting DTMF tones from the receiver to the computer. That shouldn't be all that difficult either. Less than 5 chips in actuality. Take a DTMF decoder and a UART and you're 99% done. Things like detecting S/N for voting or detecting PL might be a bit more difficult, but they would be necessary in a non-computer-based repeater anyway. Control of the repeater would be simple - just tack on a modem.

If you do decide to go through with the project, keep us posted. I'd be interested in hearing how you went about the whole project. I'm sure it's been done many other times before, but it would still be interesting.

```
                                      --- Jeff
+------------------------+------------------------------------------------------+
| Jeff DePolo N3HBZ/AA   | Internet: depolo@eniac.seas.upenn.edu                |
| Univ. of Pennsylvania  | RF: 146.685- 224.40- 442.70+ 144.455s (Philadelpia)  |
| Computer Science Eng.  | Twisted pair: (215) 386-7199 home                    |
|     Class of 1991      | Carrier pigeon: 420 South 42nd St. Philly, PA 19104  |
+------------------------+------------------------------------------------------+
```

From 1373629047074086162
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88f28923824ba371,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 08:25:23 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!mbian.gal.utexas.edu!
John.Perry.-.KG5RG
From: John.Perry.-.KG5RG@mbian.gal.utexas.edu

```
Newsgroups: rec.ham-radio
Subject: (From: IN%"Info-Hams@UCSD.Edu") Info-Hams Digest V1 #41
Message-ID: <73E5741EBF1F001D95@mbian.gal.utexas.edu>
Date: 26 Jun 90 08:11:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Reply-To: PERRY@mbian.gal.utexas.edu
Organization: The Internet
Lines: 777
Posted: Tue Jun 26 09:11:00 1990

Received: from nic.the.net by mbian.gal.utexas.edu; Tue, 26 Jun 90 03:10 CDT
Received: from ucsd.edu by nic.the.net; Tue, 26 Jun 90 03:10 CDT
Received: by ucsd.edu; id AA08976 sendmail 5.64/UCSD-2.1-sun Tue, 26 Jun 90
 00:00:23 -0700
Received: by ucsd.edu; id AA08886 sendmail 5.64/UCSD-2.1-sun Tue, 26 Jun 90
 00:00:09 -0700 for /usr/lib/sendmail -oc -odb -oQ/var/spool/lqueue -oi
 -finfo-hams-relay info-hams-list
Date: Tue, 26 Jun 90 00:00:05 PDT
From: Info-Hams Mailing List and Newsgroup </dev/null@ucsd.edu>
Subject: Info-Hams Digest V1 #41
To: Info-Hams@ucsd.edu
Reply-to: Info-Hams@UCSD.Edu
Message-id: <9006260700.AA08886@ucsd.edu>
X-Envelope-to: perry
```

Info-Hams Digest   Tue, 26 Jun 90   Volume 90 : Issue 41

Today's Topics:

... Teaching Science, etc.
arrl PFB 26
ATV BALLOON LAUNCH (Northeastern USA)
Denmark & Holland
Dubious quality of CQ review of AEA IsoLoop
Ham calls seen in horrible movie
Homebrew repeater controllers
How to buy a QSO, 20 M mess, etc...
HR mag
Making Ham Radio Known
RTTY DX Notes, 6/22/90
startup message
Strange RFI
test
The Demise of HR Magazine and Comments on CQ
Wanted: TRS-80 Model 100 software - packet radio

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

Date: Mon, 25 Jun 90 15:24:27 CDT
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Subject: ... Teaching Science, etc.
To: infohams@flopn2.csc.ti.com

> From: TILDE::"BRUCEH@UTKVX3.BITNET" 25-JUN-1990 15:01:53.93
> To: info-hams-incoming
> Subj: HR/CQ, Teaching Science, etc.
>
> one of the best ways to support science education is to become INVOLVED in the science fair programs in a local school. If they don't have one start one (with the help of the local school). One has to be careful not to step on the toes of the local science teachers, principles, etc. but I've found them to be open to ideas, HELP, etc. We raised money for

Maybe one slightly different tack is to approach the TEACHERS, make resources and training availble to them, and offer to assist with transferring it to the students.

I get the impression a lot of teachers feel tied up with budget constraints and administrative policy.

If you can get one teacher interested in ham radio, that might lead to getting a dozen students involved...

Just a thought!!

73,
Bob

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                          !   "In order to accomplish the
 Bob West WA8YCD                 !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM        !    the absurd!"
                                 !       -- Miguel de Animo y Jugo
 P. O. Box  863069               !
 Plano Texas 75086               !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

Date: 25 Jun 90 22:00:20 GMT
From: n8emr!gws@tut.cis.ohio-state.edu (Gary Sanders)
Subject: arrl PFB 26
To: info-hams@ucsd.edu

```
==============================================================
|        Relayed from packet radio via                |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

ZCZC AP30

PROPAGATION FORECAST BULLETIN 26 ARLPP026
FROM ED TILTON, W1HDQ
SPRING HILL FL JUNE 25, 1990
TO ALL RADIO AMATEURS

THE SOLAR FLUX WAS OFF TO A GOOD START EARLY IN JUNE, BUT IT PEAKED AT 217 ON THE 12TH. THIS WAS 51 POINTS BELOW THE YEARS HIGH OF 268 SET ONE MONTH EARLIER. THE SOLAR FLUX THEN SLID BACK TO 133 BY THE 23RD. IT ROSE A BIT ON THE 24TH AND IT MAY BE ON ITS WAY TO HIGHER LEVELS THIS WEEK.

SOME NEW ACTIVITY WAS SEEN IN THE EASTERN PORTION OF THE SUN OVER THE WEEKEND, AND MORE MAY BE SHOWING UP IN THE NEXT FEW DAYS. ITS PROGRESS CAN BE FOLLOWED BY LISTENING TO INFORMATION GIVEN BY WWV AT 18 MINUTES AFTER EACH HOUR.

DESPITE THE LOW SOLAR FLUX, PROPAGATION WAS FAIRLY GOOD LAST WEEK, EXCEPT THAT BANDS ABOVE 21 MHZ MAY HAVE BEEN MARGINAL FOR DX USE AT TIMES WHEN SPORADIC E SKIP WAS IN. IT MAY HAVE BEEN MUCH OF THE TIME AND IT WILL BE WITH US OFTEN WELL INTO JULY, AT LEAST.

E SKIP IS USEFUL FOR MEDIUM DISTANCE WORK ON 28 AND 50 MHZ, AND IT MAY SHOW UP ON 144 MHZ AT TIMES, ESPECIALLY IN JUNE AND EARLY JULY. IT IS LIKELY TO BE VERY ERRATIC AND SHORT LIVED ON 144 MHZ.

AMERICAN SUNSPOT NUMBERS FOR JUNE 14 THROUGH 20 WERE BETWEEN 67 AND 125 WITH A MEAN OF 95.4. AR

--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

Date: 25 Jun 90 14:35:53 GMT
From: usc!samsung!cg-atla!raybed2!ewb@ucsd.edu (EUGENE BALINSKI)
Subject: ATV BALLOON LAUNCH (Northeastern USA)
To: info-hams@ucsd.edu

WB8ELK's BALLOON Launch carrying LIVE ATV is going on as scheduled. The launch net will be on 40 meters LSB 7155 KHz. "CAP COMM" will be WA3USG. Net will commence at 8:30 AM EDT with launch expected at 9:00 AM EDT. Video will be on 439.25 (CABLE CH 60). Beacon frequency 144.34.

Bill (WB8ELK) is inviting everyone out to the launch sight to view the launch. Bill is also in need of some people with FOX HUNTING skills to help with the recovery. If you can help please contact him direct at 73 Mag Phone: 603-525-4201.

If you view the video or hear the beacon please get in touch with Bill. He will certainly want to get reception reports.

73
Gene WA1UXA

Note: Bill's Packet address is WB8ELK @ WA1WOK.NH.USA.NA

Date: Tue, 26 Jun 90 08:38 MET
From: "Cor Posch, A.M.C. Amsterdam" <POSCH%AMC.UVA.NL@CUNYVM.CUNY.EDU>
Subject: Denmark & Holland
To: INFO-HAMS@WSMR-SIMTEL20.ARMY.MIL

In article <1990jun21>att!cbnewsj!mea1@ucbvax.Berkeley.EDU (michael.e.alterman) writes:

>We are planning a vacation to Denmark and the Netherlands this summer.
>My wife and I are both licensed hams and we would like to bring our HT
>and or mobile transceiver with us. (ICOM-IC24AT and 3210, USA models)
>We would like to use them to meet local hams, as well as for travel advice.
>Are there repeaters on 2M and 440 MHz around those countries as there are here,
>and will our current equipment be fine for accessing them, or do they have
>different requirements for access, such as special tones, or different offsets?

The repeaters in Holland are all located in the 145.6 - 145.775 region, and most of them do not require a tone burst to start them up. The offset is as in the US, -600 Kc for the input frequency. On 70cm most of the repeaters are in the 430.000 - 430.500 region, requiring a +1.6Mc shift for the input frequency. Remember the bandplan is a lot smaller in Holland for 2m and 70cm as it is in the US, but you can easaly find that your reciprocal license (I guess).

>Are the operating procedures on VHF/UHF repeaters similar to in the USA?

When I was over in the US, I noticed no big differences, so I guess they are the same.

>Can we obtain directories of repeaters, before we leave home.

It'll be probably (again) in your receprocal license agreement, but if not, I'm quite willing to help you out.

>What is the required procedure for reciprocal operating privileges?

As I did for Canada and the US, request one. The address, I think, you can use for Holland is:

HDTP/ Directie Operationele Zaken
Postbus 450
9700 AL Groningen
The Netherlands.

Include to speed up the procedure, copies of your US licenses. As noted before, you might have to pay for your license(s)!

>Please reply via email, if possible.

Why personaly, I think it could be of interest for a wider audiance too.

Hope to hear you.

Cor Posch, PA3DYW
POSCH@AMC.UVA.NL

Date: 25 Jun 90 13:52:33 GMT
From: apctrc!gpss5!zslf0a@uunet.uu.net (Steven L. Farmer)
Subject: Dubious quality of CQ review of AEA IsoLoop
To: info-hams@ucsd.edu

In article <42200@apple.Apple.COM> kchen@Apple.COM (Kok Chen) writes:
>Theoretical arguments against small antennas are very compelling. (The

Well, I dunno. One of my antenna references (_Antenna Theory and Design_, W. Stutzman, G. Thiele) does an analysis of a circular loop 0.2 wavelengths in circumference at 1 MHz. The calculated impedance is 0.316+j285.8. With copper wire with a conductivity of 5.7E-07 mhos/m, the total input resistance is calculated at 0.324 ohms. This yields an efficiency of 97.5%. Not bad. The horizontal radiation pattern (free space) is only slightly inferior to a dipole in its most favored direction. Again, not bad.

Of course, losses in any network used for matching to the transmission line aren't considered in this. But it still indicates that small loops *might* work pretty well. Whether the AEA job does or not is still an open question. Hopefully, someone out there will actually TEST one and let the rest of us know.

73's - Steve WA5RPF

Date: 25 Jun 90 13:15:30 GMT
From: att!tsdiag!davet@ucbvax.Berkeley.EDU (Dave Tiller N2KAU)
Subject: Ham calls seen in horrible movie
To: info-hams@ucsd.edu

In article <1990Jun20.191715.20514@cbnewsc.att.com> tedk@cbnewsc.att.com (ted.g.kekatos) writes:
>In article <1014@tsdiag.ccur.com> davet@tsdiag.ccur.com (Dave Tiller N2KAU) writes:
>|

>|On the late, late, way-late movie the other night on NY channel 7 there
>|was shown a movie starring Larry Hagman as a chivalrous helicopter pilot
>
>But, what was the name of this movie? I want to rent it!
>

Ah hah! Another fan of good bad movies! I think it was called "Dangerous
Rescue." It was produced by Zarkoff. We (Jim Blakey and I) use our own
rating scheme:

- good/good : Star Wars, Die Hard, etc. A movie that tries to be a good movie and succeeds.
- bad/good : Out Of Africa (IMHO), Star Trek V. A movie that tries to be a good movie and fails.
- good/bad : Toxic Avenger, Killer Klowns. A movie intended to be bad that succeeds.
- bad/bad : Toxic Avenger II, etc. A movie intended to be bad that fails. These are the most painful to watch.

See ya at the bad movies! (too bad I can't use my ATV setup to broadcast
them locally.)
--
```
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

Date: 26 Jun 90 06:17:05 GMT
From: netnews.upenn.edu!eniac.seas.upenn.edu!depolo@rutgers.edu (Jeff DePolo)
Subject: Homebrew repeater controllers
To: info-hams@ucsd.edu

In article <7880166@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>Just a word of caution - disk drives are less rugged than most electronics.
>If the controller spends most of it's time in an air-conditioned shack, it
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>
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IMHO, using a PC as a repeater controller is a good idea, and shouldn't be
difficult to implement. PC's are nice because most of the hard work that
would normally have to be done in hardware in a non-CPU based repeater
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If you do decide to go through with the project, keep us posted. I'd be interested in hearing how you went about the whole project. I'm sure it's been done many other times before, but it would still be interesting.

```
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| Jeff DePolo N3HBZ/AA  | Internet: depolo@eniac.seas.upenn.edu                |
| Univ. of Pennsylvania | RF: 146.685- 224.40- 442.70+ 144.455s (Philadelpia) |
| Computer Science Eng. | Twisted pair: (215) 386-7199 home                    |
|     Class of 1991     | Carrier pigeon: 420 South 42nd St. Philly, PA 19104 |
+------------------------+-----------------------------------------------------+
```

Date: 25 Jun 90 21:21:32 GMT
From: crdgw1!trub@uunet.uu.net (Donald P Perley)
Subject: How to buy a QSO, 20 M mess, etc...
To: info-hams@ucsd.edu

In article <1990Jun25.144036.27405@dg-rtp.dg.com>, harrism@aquila (Mike Harris) writes:

>I, personally, wouldn't mind it if omnidirectional antennas were also illegal.
>Why should anybody expect to own a frequency in *every* direction. I'd be
>happy, though, to just have a lower power limit. One can do *so* much with
>antenna's - it's amazing.

>We'd have *alot* more room on our bands if people used directional antennas
>and ran reduced power. The latter would force the fomer somewhat.

It sure would cut down on the round-table QSO's & networks.

Oh, and the mobile operators might think it was a bit of an imposition.

I would think that Kilowatt ops are more likely to have a beam & tower already. Either they have more money to spend, or are willing to spend more of what they have on the hobby.

We have a lot more room with most people running SSB rather than AM, but we didn't have to legislate to accomplish it. People switched for their own reasons (like more bang for the watt).

-don perley - ke2tp

perley@trub.crd.ge.com

Date: 25 Jun 90 13:35:50 GMT
From: rochester!rit!cci632!cep@rutgers.edu (co-op)
Subject: HR mag
To: info-hams@ucsd.edu

In article <1990Jun23.042526.6014@maverick.ksu.ksu.edu> steve@matt.ksu.ksu.edu (Steve Schallehn) writes:

>
> I wonder if QEX from the ARRL is any good as an experimentation magazine?
> Someone has to come out with a new HR! Someone has to!
>
> -Steve Schallehn, KB0AGD

Not really. My club just got its renewal notice for QEX and I have decided not to renew it. (We are an ARRL-affiliated club, by the way, which has some *teriffic* benefits).

My problem with QEX is redundancy. I have seen an article that says, "Let's have fun and build a 20-meter cw portable tranceiver that works on a 9-volt battery!" SOOOOO many times - this is the sort of thing that belongs in the handbook, and not to pop up in QEX two or three times a year.

Chris WZ2B

--
Christopher E. Piggott, WZ2B (ex-N2JGW)
President - Rochester Institute of Technology Amateur Radio Club K2GXT
cs.rochester.edu!cci632!ccird7!cep or uunet!ccicpg!cci632!ccird7!cep

----

Date: Mon, 25 Jun 90 14:31:17 CDT
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)

Subject: Making Ham Radio Known
To: infohams@flopn2.csc.ti.com

> From: TILDE::"ajs@hpfcdc.HP.COM" "Alan Silverstein" 24-JUN-1990 01:31:25.18
> To: info-hams-incoming
> Subj: Re: Making ham radio known
>
> > Think about what you do in ham radio. Do you yak with your friends on
> > the way to work on the 2-meter repeater?
>
> Well I've only been Tech-licensed a week and a half, but one thing I do
> is help people make phone calls to friends from the top of 14000'
> mountains. If that doesn't stimulate interest, I dunno what will.
>

OK, you've made a positive contribution right there, only two weeks out of the mailbox. (Congrats, BTW!)

Anything a ham does for the public, whether its a courtesy phone patch/remote call, or getting help to someone stranded in a flood or earthquake, is on the plus side.

We need all of that we can get. Good show.

Now. Were those folks (since they were up on a mountain...) part of a club or organization (climbing club, environmentalist organization, whatever?)

Is there a way you can arrange for a presentation at one of their meetings about ham radio? If not yourself, maybe someone from your radio club is not uncomfortable in front of a strange group...

SYSMSGSBE-W-WARNING: SOAPBOX MODE ENGAGED...

That's a little more agressive, and I think that is what Patty and some of us were looking for. I unfortunately, between work and running code practice for the club and helping out with the VE team have plenty to do. If I had about three more nights per week, I'd like to seek out new life and new civi-... oops... new organizations that need programs and present to Lion's Club and Elks and Shriner's and Ladies' Auxiliary of the Volunteer Fire Department... and present ham radio as it is (or as we hope it to be!)

Two things are possible if you do that right...

   (1) Jane and John Q. Public know FOR REAL what ham radio is, not what rumor and misinformation make of it, and
   (2) SOMEBODY might get interested.

(2) is nice, but they're not going to beat your door down. (1) builds a firm foundation on which (2) can build from.

Maybe, maybe not. But it sure can't hurt...if it's done well.

SYSMSGSBE-I-NOTICE: SOAPBOX MODE TERMINATED.

Have fun with your new license. Go try all the neat things you can do, and if you can do a favor for a friend or a stranger, let 'em know it was a HAM who did it!

73,

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                          !   "In order to accomplish the
 Bob West WA8YCD                 !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM        !    the absurd!"
                                 !       -- Miguel de Animo y Jugo
 P. O. Box  863069               !
 Plano Texas 75086               !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

Date: 25 Jun 90 21:56:32 GMT
From: n8emr!gws@tut.cis.ohio-state.edu (Gary Sanders)
Subject: RTTY DX Notes, 6/22/90
To: info-hams@ucsd.edu

```
==============================================================
|        Relayed from packet radio via                 |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ RTTYDX $RTDX0622
RTTY DX Notes, 1of3, 6/22/90

RTTY DX Notes for Weekending 22nd June 1990.
Part 1 of 3.
BID: $RTDX0622

The ANARTS contest has come and gone, and if you thought that the propagation was poor for that weekend, you should have a look at it now. Even the intruders are missing. But we have received some logs, and from some of the scores there was little to complain about. Keep the logs coming, chaps.

Our thanks this week go to I5FLN, I5ICY, I5IGQ, OD5NG, PJ2MI, TG9VT, VK2EG, W2JGR and the Tri-State DX Association VHF packet cluster. Thank you all for your assistance. Every little bit helps.

Bandpass:

Friday 15:

ED9CI	14083	at	0001Z	QSL/Note
KR6N/KP4	14087	at	0034Z	
FO5EM	14081	at	0610Z	
VR6WH	14088	at	0655Z	

```
BV2HC        14087  at  1252Z
PJ2WOL       14074  at  1407Z  ARQ
CU2AT        14090  at  1642Z
HK0BKX       21090  at  2110Z  QSL
T5RM         14074  at  2114Z  QSL/ARQ

Continued in part 2.
/EX
SB RTTYDX @ RTTYDX $RTDX0623
RTTY DX Notes, 2of3, 6/22/90

RTTY DX Notes for Weekending 22nd June 1990.
Part 2 of 3.
BID: $RTDX0623


Saturday 16:
FY5DG        14090  at  0040Z  QSL
SU1HN        14083  at  0305Z  QSL
ED9CI        14091  at  0310Z
HK0BKX       14088  at  0335Z
V31AR        14075  at  0400Z  ARQ
EA6BH        14078  at  0703Z
9M2AX        14085  at  1138Z
FM2WL        14086  at  1159Z
YB0GI        14093  at  1329Z
HS1BV        21091  at  2005Z
EA9MY        14083  at  2257Z

Sunday 17:
ED9CI        14091  at  0036Z
J28TY        14089  at  0252Z
UZ3AWP       14088  at  0410Z
UQ2HO        14088  at  0703Z
HI8BJ        14089  at  1240Z
PP8DA        21089  at  1528Z
5N0ETP       21089  at  1532Z
CU2CB        21090  at  1556Z
VR6WH        14089  at  1725Z
SV5TS        14082  at  1957Z
EA9MY        14081  at  2252Z

Monday 18:
UZ3AWP       14081  at  0605Z
J28TY        21090  at  1400Z
9Q5BG        21084  at  1742Z
KC5RY/HP1    14074  at  2000Z  ARQ
6Y5EW        14074  at  2055Z  ARQ
YL1WW        21084  at  2116Z

Tuesday 19:
J73WA        14086  at  0149Z
YL1WW        14090  at  0300Z
```

FY4FS	14088	at	0537Z	
LY1BYL	14086	at	2027Z	
RF1F/UA3TT	14082	at	2322Z	
V44KW	14088	at	2339Z	

Continued in part 3.
/EX
SB RTTYDX @ RTTYDX $RTDX0624
RTTY DX Notes, 3of3, 6/22/90

RTTY DX Notes for Weekending 22nd June 1990.
Part 3 of 3.
BID: $RTDX0624

Wednesday 20:

LY2WW	21083	at	0235Z	
RA3AL	14097	at	0345Z	
EA6MQ	14097	at	0518Z	QSL
KL7KJ	14087	at	0522Z	
VR6WH	14089	at	0635Z	
PJ2MI	14074	at	1040Z	ARQ
ES2WX	14084	at	1153Z	
UA9EAL	14085	at	1352Z	
BV4VB	21088	at	1745Z	
PZ1DZ	14084	at	2338Z	

Thursday 21:

UQ2HO	14089	at	0348Z
J73EH	14082	at	0440Z
EA6MQ	14088	at	0516Z

QSL Information:

ED9CI says to QSL via EA9KQ.

T5RM will QSL via HB9RTR, 134 Saules, 1233 Bernex, Switzerland.

HK0BKX (San Andres) via WB9NUL.

FY5DG is at Box 450, Kouru, French Guyana.

SU1HN will QSL via Box 1578, Alf Maskan, Cairo.

EA6MQ will QSL via his Callbook address.

Notes of Interest:

ED9CI was the station that was reported last week as having the callsign of AN9CI. The call was changed at the last moment, but it was still Aure on Chafarinas Island.

YL1WW is in Riga, USSR. No further information at this time.

TV9GIR will be a special call from Margaux Island (north of Bordeaux) on June 23/24. They will operate all bands and modes (including CW on 10 MHz). QSL via FD1MRE or via the bureau.

We appear to be a little short of information this week, but propagation has been very poor, and someone has taken Africa off the map.

GL DE DX1 (VK2EG) VIA TG9VT.

Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA. Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.
/EX
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

Date: Mon, 25 Jun 90 21:36 CDT
From: John.Perry.-.KG5RG@mbian.gal.utexas.edu
Subject: startup message
To: INFO-HAMS@ucsd.edu

startup message

Date: 25 Jun 90 19:47:54 GMT
From: hpfcso!hpfcdc!perry@hplabs.hpl.hp.com (Perry Scott)
Subject: Strange RFI
To: info-hams@ucsd.edu

>Is there a television set operating nearby? I get all kinds of RFI from my TV,
>and a bit from the neighbors'. The horizontal oscillator operates at
>15.734 KHz.

Yeah, I get this one, too. Lessee - 30 Mhz is on about the 2000th harmonic. That's a sharp sawtooth indeed ! Can I put a ferrite bead on a wire somewhere in the telly to get rid of this ?

My wife finds it ironic she QRMs me as much as I QRM her. :-)

Perry

x.Berkeley.EDU (5.63/1.41)
     id AA26315; Mon, 25 Jun 90 21:10:32 -0700
Received: from USENET by ucbvax.Berkeley.EDU with netnews

for info-hams-ddn@ucsd.edu (info-hams@ucsd.edu)
(contact usenet@ucbvax.Berkeley.EDU if you have questions)
Date: 25 Jun 90 20:18:49 GMT
From: hpfcso!hpfcdc!perry@hplabs.hpl.hp.com (Perry Scott)
Organization: HP Ft. Collins, Co.
Subject: Re: The Demise of HR Magazine and Comments on CQ
Message-Id: <7880165@hpfcdc.HP.COM>
References: <2480@kodak.UUCP>
Sender: info-hams-relay@ucsd.edu
To: info-hams@ucsd.edu

>I see a lot of people p*ssing and moaning about the lack of technical
>material. I _don't_ see those people writing and submitting articles.
>
>Jon Bloom, KE3Z

I agree. Magazines don't dream up this stuff - we do. When was the last time you did something original ? If you have a better, cheaper, faster way to do something and don't publish, it's as if you never thought of it at all.

What about me ? I'm working on a cheaper soft-start for high-power (tube) RF amps. Does one already exist ? I don't know - I haven't seen one yet.

By the way, I find this newsgroup to be a powerful counter point to the regular mags. We can say what we want against CQ and QST in an unedditted manner. We can also exchange ideas in a way not possible via a magazine. I even find technically useful information, despite the lack of graphics.

Perry Scott, KF0CA

Date: Mon, 25 Jun 90 21:28 CDT
From: John.Perry.-.KG5RG@mbian.gal.utexas.edu
Subject: test
To: INFO-HAMS@ucsd.edu

test

Date: 25 Jun 90 16:38:38 GMT
From: hpcc01!col!bobw@hplabs.hpl.hp.com (Bob Witte)
Subject: The Demise of HR Magazine and Comments on CQ
To: info-hams@ucsd.edu

Re: Goodbye Ham Radio Magazine

* I said goodbye to HR some time ago. I feel that they lost the formula that made them successful. The magazine appealed to

the more technical portion of the amateur radio population.
About three or four years ago, I think they forgot this fact
and started watering down their technical content. I had written
a couple of articles for them and conversations with their
editors began to center more on sure fire idiot proof construction
and less on technical content (IMHO).
At that point I pulled the plug on my subscription,
so I have no recent experience with HR.

* Wireless World is a really interesting magazine. It has a great mix of electrical engineering, amateur radio, general electronics hobbyist stuff, basic theory and pseudo-science. The downside is 1) ads are for UK products 2) prices are in pounds 3) words like color are spelled 'colour' 4) expensive in the US.

```
--------------------------------------------------------------------
Bob Witte              HP Colorado Springs Division
bobw@col.hp.com        P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO  80901
Radio: KB0CY           Packet: kb0cy@w0lkd
--------------------------------------------------------------------
```

Date: 25 Jun 90 21:44:24 GMT
From: att!cbnewsc!tedk@ucbvax.Berkeley.EDU (ted.g.kekatos)
Subject: Wanted: TRS-80 Model 100 software - packet radio
To: info-hams@ucsd.edu

Wanted: Software for Radio Shack TRS-80 Model 100

* Terminal program for packet radio TNC (split screen?)
* Amateur Radio speciality programs

Send info/program source to:

Ted G. Kekatos   N9IXE
UUCP: ..!att!ihlpl!tedk
INTERNET: tedk@i88.isc.com
(708) 979-0804

End of Info-Hams Digest
****

From 1211932066698497104
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,93a723376a71cede,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,93a723376a71cede,start
X-Google-Attributes: gid105d97,public
X-Google-Thread: f9270,93a723376a71cede,start
X-Google-Attributes: gidf9270,public
X-Google-ArrivalTime: 1990-06-26 08:27:30 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!ogicse!milton!cfogg
From: cfogg@milton.u.washington.edu (Chad Fogg)
Newsgroups: rec.video,sci.electronics,rec.ham-radio
Subject: HDTV and Waveform Modulation
Summary: new method squeezes an HDTV + NTSC signal in one, compatible channel
Keywords: HDTV waveform PSI
Message-ID: <4454@milton.u.washington.edu>
Date: 26 Jun 90 08:23:39 GMT
Organization: Never Twice a Sane Committee
Lines: 27
Xref: gmdzi rec.video:2925 sci.electronics:7212 rec.ham-radio:12389
Posted: Tue Jun 26 09:23:39 1990

A new term to add to the HDTV glossary, waveform modulation is given a brief mention in the July 1990 issue of _Video_Magazine_, page 50.

According to the article, Production Services, Inc. of Tuscon, Arizona claims they can "squeeze a full-blown HDTV signal and a conventional NTSC signal within the same 6 MHz frequency channel" by using "a new modulation technology to add information to the spectrum without interference."

Richard Gerdes, PSI co-founder, explains that their technique "alters the shape of the carrier and transmits the result of that altered wave shape."

At the NTSC level:

> PSI gas already developed a commercial product using waveform modulation for NTSC broadcasts: an encoder and decoder that allows an NTSC station to broadcast two channels simultaneously from one transmitter. "You could tune to channel 4A or 4B using the decoder," Gerdes says. The FCC has already granted an experimental license for channel 11 in Tuscon, a Fox Network affiliate, to begin testing the system.

Article aside, has anyone in Tuscon seen this? Any elaborations on waveform modulation; PSI's technology?   And does WM have implications for other EM-based communications?

From -8171713451066255141
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,464f017ffb2f263c,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-06-26 08:32:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!princeton!udel!wuarchive!rex!ames!aplvax!ames!uakari.primate.wisc.edu!samsung!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!mbian.gal.utexas.edu!John.Perry.-.KG5RG
From: /dev/null@ucsd.edu (Info-Hams Mailing List and Newsgroup)
Newsgroups: rec.ham-radio
Subject: Info-Hams Digest V1 #41
Message-ID: <9006260700.AA08886@ucsd.edu>
Date: 26 Jun 90 07:00:05 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Reply-To: Info-Hams@UCSD.Edu
Organization: The Internet
Lines: 761
Posted: Tue Jun 26 08:00:05 1990
To: Info-Hams@ucsd.edu
X-Envelope-to: perry

Info-Hams Digest   Tue, 26 Jun 90   Volume 90 : Issue 41

Today's Topics:
... Teaching Science, etc.
arrl PFB 26
ATV BALLOON LAUNCH (Northeastern USA)
Denmark & Holland
Dubious quality of CQ review of AEA IsoLoop
Ham calls seen in horrible movie
Homebrew repeater controllers
How to buy a QSO, 20 M mess, etc...
HR mag
Making Ham Radio Known
RTTY DX Notes, 6/22/90
startup message
Strange RFI
test
The Demise of HR Magazine and Comments on CQ
Wanted: TRS-80 Model 100 software - packet radio

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

Date: Mon, 25 Jun 90 15:24:27 CDT
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Subject: ... Teaching Science, etc.
To: infohams@flopn2.csc.ti.com

> From: TILDE::"BRUCEH@UTKVX3.BITNET" 25-JUN-1990 15:01:53.93
> To: info-hams-incoming
> Subj: HR/CQ, Teaching Science, etc.
>

> one of the best ways to support science education is to become INVOLVED
> in the science fair programs in a local school. If they don't have one
> start one (with the help of the local school). One has to be careful
> not to step on the toes of the local science teachers, principles, etc.
> but I've found them to be open to ideas, HELP, etc. We raised money for

Maybe one slightly different tack is to approach the TEACHERS, make resources and training availble to them, and offer to assist with transferring it to the students.

I get the impression a lot of teachers feel tied up with budget constraints and administrative policy.

If you can get one teacher interested in ham radio, that might lead to getting a dozen students involved...

Just a thought!!

73,
Bob

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                          !   "In order to accomplish the
 Bob West WA8YCD                 !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM        !    the absurd!"
                                 !       -- Miguel de Animo y Jugo
 P. O. Box  863069               !
 Plano Texas 75086               !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

Date: 25 Jun 90 22:00:20 GMT
From: n8emr!gws@tut.cis.ohio-state.edu (Gary Sanders)
Subject: arrl PFB 26
To: info-hams@ucsd.edu

```
==============================================================
|        Relayed from packet radio via                 |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

ZCZC AP30
PROPAGATION FORECAST BULLETIN 26 ARLPP026
FROM ED TILTON, W1HDQ
SPRING HILL FL JUNE 25, 1990
TO ALL RADIO AMATEURS

THE SOLAR FLUX WAS OFF TO A GOOD START EARLY IN JUNE, BUT IT PEAKED AT 217 ON THE 12TH. THIS WAS 51 POINTS BELOW THE YEARS HIGH OF 268 SET ONE MONTH EARLIER. THE SOLAR FLUX THEN SLID BACK TO 133 BY THE 23RD. IT ROSE A BIT ON THE 24TH AND IT MAY BE ON ITS WAY TO HIGHER

LEVELS THIS WEEK.

SOME NEW ACTIVITY WAS SEEN IN THE EASTERN PORTION OF THE SUN OVER THE WEEKEND, AND MORE MAY BE SHOWING UP IN THE NEXT FEW DAYS. ITS PROGRESS CAN BE FOLLOWED BY LISTENING TO INFORMATION GIVEN BY WWV AT 18 MINUTES AFTER EACH HOUR.

DESPITE THE LOW SOLAR FLUX, PROPAGATION WAS FAIRLY GOOD LAST WEEK, EXCEPT THAT BANDS ABOVE 21 MHZ MAY HAVE BEEN MARGINAL FOR DX USE AT TIMES WHEN SPORADIC E SKIP WAS IN. IT MAY HAVE BEEN MUCH OF THE TIME AND IT WILL BE WITH US OFTEN WELL INTO JULY, AT LEAST.

E SKIP IS USEFUL FOR MEDIUM DISTANCE WORK ON 28 AND 50 MHZ, AND IT MAY SHOW UP ON 144 MHZ AT TIMES, ESPECIALLY IN JUNE AND EARLY JULY. IT IS LIKELY TO BE VERY ERRATIC AND SHORT LIVED ON 144 MHZ.

AMERICAN SUNSPOT NUMBERS FOR JUNE 14 THROUGH 20 WERE BETWEEN 67 AND 125 WITH A MEAN OF 95.4. AR

--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

Date: 25 Jun 90 14:35:53 GMT
From: usc!samsung!cg-atla!raybed2!ewb@ucsd.edu (EUGENE BALINSKI)
Subject: ATV BALLOON LAUNCH (Northeastern USA)
To: info-hams@ucsd.edu

WB8ELK's BALLOON Launch carrying LIVE ATV is going on as scheduled. The launch net will be on 40 meters LSB 7155 KHz. "CAP COMM" will be WA3USG. Net will commence at 8:30 AM EDT with launch expected at 9:00 AM EDT. Video will be on 439.25 (CABLE CH 60). Beacon frequency 144.34.

Bill (WB8ELK) is inviting everyone out to the launch sight to view the launch. Bill is also in need of some people with FOX HUNTING skills to help with the recovery. If you can help please contact him direct at 73 Mag Phone: 603-525-4201.

If you view the video or hear the beacon please get in touch with Bill. He will certainly want to get reception reports.

73
Gene WA1UXA

Note: Bill's Packet address is WB8ELK @ WA1WOK.NH.USA.NA

Date: Tue, 26 Jun 90 08:38 MET
From: "Cor Posch, A.M.C. Amsterdam" <POSCH%AMC.UVA.NL@CUNYVM.CUNY.EDU>
Subject: Denmark & Holland
To: INFO-HAMS@WSMR-SIMTEL20.ARMY.MIL

In article <1990jun21>att!cbnewsj!mea1@ucbvax.Berkeley.EDU (michael.e.alterman) writes:

>We are planning a vacation to Denmark and the Netherlands this summer.
>My wife and I are both licensed hams and we would like to bring our HT
>and or mobile transceiver with us. (ICOM-IC24AT and 3210, USA models)
>We would like to use them to meet local hams, as well as for travel advice.
>Are there repeaters on 2M and 440 MHz around those countries as there are here,
>and will our current equipment be fine for accessing them, or do they have
>different requirements for access, such as special tones, or different offsets?

The repeaters in Holland are all located in the 145.6 - 145.775 region, and most of them do not require a tone burst to start them up. The offset is as in the US, -600 Kc for the input frequency. On 70cm most of the repeaters are in the 430.000 - 430.500 region, requiring a +1.6Mc shift for the input frequency. Remember the bandplan is a lot smaller in Holland for 2m and 70cm as it is in the US, but you can easaly find that your reciprocal license (I guess).

>Are the operating procedures on VHF/UHF repeaters similar to in the USA?

When I was over in the US, I noticed no big differences, so I guess they are the same.

>Can we obtain directories of repeaters, before we leave home.

It'll be probably (again) in your receprocal license agreement, but if not, I'm quite willing to help you out.

>What is the required procedure for reciprocal operating privileges?

As I did for Canada and the US, request one. The address, I think, you can use for Holland is:

HDTP/ Directie Operationele Zaken
Postbus 450
9700 AL Groningen
The Netherlands.

Include to speed up the procedure, copies of your US licenses. As noted before, you might have to pay for your license(s)!

>Please reply via email, if possible.

Why personaly, I think it could be of interest for a wider audiance too.

Hope to hear you.

Cor Posch, PA3DYW
POSCH@AMC.UVA.NL

Date: 25 Jun 90 13:52:33 GMT
From: apctrc!gpss5!zslf0a@uunet.uu.net (Steven L. Farmer)
Subject: Dubious quality of CQ review of AEA IsoLoop
To: info-hams@ucsd.edu

In article <42200@apple.Apple.COM> kchen@Apple.COM (Kok Chen) writes:
>Theoretical arguments against small antennas are very compelling. (The

Well, I dunno. One of my antenna references (_Antenna Theory and Design_,
W. Stutzman, G. Thiele) does an analysis of a circular loop 0.2 wavelengths
in circumference at 1 MHz. The calculated impedance is 0.316+j285.8. With
copper wire with a conductivity of 5.7E-07 mhos/m, the total input resistance
is calculated at 0.324 ohms. This yields an efficiency of 97.5%. Not bad.
The horizontal radiation pattern (free space) is only slightly inferior to
a dipole in its most favored direction. Again, not bad.

Of course, losses in any network used for matching to the transmission line
aren't considered in this. But it still indicates that small loops *might*
work pretty well. Whether the AEA job does or not is still an open question.
Hopefully, someone out there will actually TEST one and let the rest of us
know.

73's - Steve WA5RPF

Date: 25 Jun 90 13:15:30 GMT
From: att!tsdiag!davet@ucbvax.Berkeley.EDU (Dave Tiller N2KAU)
Subject: Ham calls seen in horrible movie
To: info-hams@ucsd.edu

In article <1990Jun20.191715.20514@cbnewsc.att.com> tedk@cbnewsc.att.com
(ted.g.kekatos) writes:
>In article <1014@tsdiag.ccur.com> davet@tsdiag.ccur.com (Dave Tiller N2KAU)
writes:
>|
>|On the late, late, way-late movie the other night on NY channel 7 there
>|was shown a movie starring Larry Hagman as a chivalrous helicopter pilot
>
>But, what was the name of this movie? I want to rent it!
>
Ah hah! Another fan of good bad movies! I think it was called "Dangerous
Rescue." It was produced by Zarkoff. We (Jim Blakey and I) use our own
rating scheme:

good/good : Star Wars, Die Hard, etc. A movie that tries to be
a good movie and succeeds.
bad/good : Out Of Africa (IMHO), Star Trek V. A movie that tries
to be a good movie and fails.
good/bad : Toxic Avenger, Killer Klowns. A movie intended to be
bad that succeeds.
bad/bad   : Toxic Avenger II, etc. A movie intended to be bad that
fails. These are the most painful to watch.

See ya at the bad movies! (too bad I can't use my ATV setup to broadcast them locally.)

--

David E. Tiller   davet@tsdiag.ccur.com | Concurrent Computer Corp.
FAX: 201-870-5952   Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet | Oceanport NJ, 07757
ICBM: 40 16' 52" N   73 59' 00" W | N2KAU @ NN2Z

Date: 26 Jun 90 06:17:05 GMT
From: netnews.upenn.edu!eniac.seas.upenn.edu!depolo@rutgers.edu (Jeff DePolo)
Subject: Homebrew repeater controllers
To: info-hams@ucsd.edu

In article <7880166@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>Just a word of caution - disk drives are less rugged than most electronics.
>If the controller spends most of it's time in an air-conditioned shack, it
>should be fine. :-)
>
>Perry Scott

IMHO, using a PC as a repeater controller is a good idea, and shouldn't be difficult to implement. PC's are nice because most of the hard work that would normally have to be done in hardware in a non-CPU based repeater can be done in software. Access codes can be easily changed, PROMS don't have to be burned for different CW ID's, the ID's themselves can be generated by the computer, etc. The way I see it, the above caveat can easily be remedied by not using floppy drives/a hard drive in normal operation. The system should be set up so that upon booting, both the control software and all data necessary to run the repeater, including the custom control codes, ID's, messages, etc. should all be loaded into memory to prevent unnecessary use of the disk drive and also to increase speed. But that's probably pretty obvious. I can't think of any real reason why the computer would have to write anything to disk as the repeater is used. What's there to be logged that easily be converted to a digital format that's of any use?

BTW, most of the interfacing can probably be done without having to directly communicate with the computer byte-wise. Control lines on the RS232 port make handy binary lines. Having the computer set lines high is a quick and efficient way of flipping relays, keying CW, etc. They can be used as input as well - have a receiver set the line high when a signal opens squelch. It's a lot easier than having to read and write 8 bits on the data lines and allows for more than one device to be connected

to the computer unlike 2-device serial communications. And if one
port isn't enough, another serial port can be added for about $25.
A stripped-down single-floppy XT clone with 2 serial ports should cost
less than $500 new, probably under $300 used. If money is really
tight, use as C64 (ick) or trash-80.

About the only "real" communications that would be necessary would be
getting DTMF tones from the receiver to the computer. That shouldn't be
all that difficult either. Less than 5 chips in actuality. Take
a DTMF decoder and a UART and you're 99% done. Things like detecting
S/N for voting or detecting PL might be a bit more difficult, but they would
be necessary in a non-computer-based repeater anyway. Control of the
repeater would be simple - just tack on a modem.

If you do decide to go through with the project, keep us posted. I'd
be interested in hearing how you went about the whole project. I'm
sure it's been done many other times before, but it would still
be interesting.

```
                                              --- Jeff
+------------------------+-----------------------------------------------------+
| Jeff DePolo N3HBZ/AA   | Internet: depolo@eniac.seas.upenn.edu               |
| Univ. of Pennsylvania  | RF: 146.685- 224.40- 442.70+ 144.455s (Philadelpia) |
| Computer Science Eng.  | Twisted pair: (215) 386-7199 home                   |
|     Class of 1991      | Carrier pigeon: 420 South 42nd St. Philly, PA 19104 |
+------------------------+-----------------------------------------------------+
```

Date: 25 Jun 90 21:21:32 GMT
From: crdgw1!trub@uunet.uu.net (Donald P Perley)
Subject: How to buy a QSO, 20 M mess, etc...
To: info-hams@ucsd.edu

In article <1990Jun25.144036.27405@dg-rtp.dg.com>, harrism@aquila (Mike Harris)
writes:

>I, personally, wouldn't mind it if omnidirectional antennas were also illegal.
>Why should anybody expect to own a frequency in *every* direction. I'd be
>happy, though, to just have a lower power limit. One can do *so* much with
>antenna's - it's amazing.

>We'd have *alot* more room on our bands if people used directional antennas
>and ran reduced power. The latter would force the fomer somewhat.

It sure would cut down on the round-table QSO's & networks.

Oh, and the mobile operators might think it was a bit of an imposition.

I would think that Kilowatt ops are more likely to have a beam & tower
already. Either they have more money to spend, or are willing to spend
more of what they have on the hobby.

We have a lot more room with most people running SSB rather than AM, but we didn't have to legislate to accomplish it. People switched for their own reasons (like more bang for the watt).

-don perley - ke2tp

perley@trub.crd.ge.com

Date: 25 Jun 90 13:35:50 GMT
From: rochester!rit!cci632!cep@rutgers.edu (co-op)
Subject: HR mag
To: info-hams@ucsd.edu

In article <1990Jun23.042526.6014@maverick.ksu.ksu.edu> steve@matt.ksu.ksu.edu (Steve Schallehn) writes:
>
>I wonder if QEX from the ARRL is any good as an experimentation magazine?
>Someone has to come out with a new HR! Someone has to!
>
>-Steve Schallehn, KB0AGD

Not really. My club just got its renewal notice for QEX and I have decided not to renew it. (We are an ARRL-affiliated club, by the way, which has some *teriffic* benefits).

My problem with QEX is redundancy. I have seen an article that says, "Let's have fun and build a 20-meter cw portable tranceiver that works on a 9-volt battery!" SOOOOO many times - this is the sort of thing that belongs in the handbook, and not to pop up in QEX two or three times a year.

Chris WZ2B

--
Christopher E. Piggott, WZ2B (ex-N2JGW)
President - Rochester Institute of Technology Amateur Radio Club K2GXT
cs.rochester.edu!cci632!ccird7!cep or uunet!ccicpg!cci632!ccird7!cep

----

Date: Mon, 25 Jun 90 14:31:17 CDT
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Subject: Making Ham Radio Known
To: infohams@flopn2.csc.ti.com

> From: TILDE::"ajs@hpfcdc.HP.COM" "Alan Silverstein" 24-JUN-1990 01:31:25.18
> To: info-hams-incoming
> Subj: Re: Making ham radio known
>
> > Think about what you do in ham radio. Do you yak with your friends on
> > the way to work on the 2-meter repeater?

>
> Well I've only been Tech-licensed a week and a half, but one thing I do
> is help people make phone calls to friends from the top of 14000'
> mountains. If that doesn't stimulate interest, I dunno what will.
>

OK, you've made a positive contribution right there, only two weeks out of the mailbox. (Congrats, BTW!)

Anything a ham does for the public, whether its a courtesy phone patch/remote call, or getting help to someone stranded in a flood or earthquake, is on the plus side.

We need all of that we can get. Good show.

Now. Were those folks (since they were up on a mountain...) part of a club or organization (climbing club, environmentalist organization, whatever?)

Is there a way you can arrange for a presentation at one of their meetings about ham radio? If not yourself, maybe someone from your radio club is not uncomfortable in front of a strange group...

SYSMSGSBE-W-WARNING: SOAPBOX MODE ENGAGED...

That's a little more agressive, and I think that is what Patty and some of us were looking for. I unfortunately, between work and running code practice for the club and helping out with the VE team have plenty to do. If I had about three more nights per week, I'd like to seek out new life and new civi-... oops... new organizations that need programs and present to Lion's Club and Elks and Shriner's and Ladies' Auxiliary of the Volunteer Fire Department... and present ham radio as it is (or as we hope it to be!)

Two things are possible if you do that right...
   (1) Jane and John Q. Public know FOR REAL what ham radio is, not what rumor and misinformation make of it, and
   (2) SOMEBODY might get interested.

(2) is nice, but they're not going to beat your door down. (1) builds a firm foundation on which (2) can build from.

Maybe, maybe not. But it sure can't hurt...if it's done well.

SYSMSGSBE-I-NOTICE: SOAPBOX MODE TERMINATED.

Have fun with your new license. Go try all the neat things you can do, and if you can do a favor for a friend or a stranger, let 'em know it was a HAM who did it!

73,

 === * * * ===   === * * * ===   === * * * ===   === * * * ===
 73, de   !   "In order to accomplish the
 Bob West WA8YCD   !   impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM   !   the absurd!"

```
                                !       -- Miguel de Animo y Jugo
 P. O. Box  863069              !
 Plano Texas 75086              !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

Date: 25 Jun 90 21:56:32 GMT
From: n8emr!gws@tut.cis.ohio-state.edu (Gary Sanders)
Subject: RTTY DX Notes, 6/22/90
To: info-hams@ucsd.edu

```
==============================================================
|         Relayed from packet radio via                 |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ RTTYDX $RTDX0622
RTTY DX Notes, 1of3, 6/22/90

RTTY DX Notes for Weekending 22nd June 1990.
Part 1 of 3.
BID: $RTDX0622

The ANARTS contest has come and gone, and if you thought that the propagation was poor for that weekend, you should have a look at it now. Even the intruders are missing. But we have received some logs, and from some of the scores there was little to complain about. Keep the logs coming, chaps.

Our thanks this week go to I5FLN, I5ICY, I5IGQ, OD5NG, PJ2MI, TG9VT, VK2EG, W2JGR and the Tri-State DX Association VHF packet cluster. Thank you all for your assistance. Every little bit helps.

Bandpass:

Friday 15:

```
ED9CI       14083  at  0001Z  QSL/Note
KR6N/KP4    14087  at  0034Z
FO5EM       14081  at  0610Z
VR6WH       14088  at  0655Z
BV2HC       14087  at  1252Z
PJ2WOL      14074  at  1407Z  ARQ
CU2AT       14090  at  1642Z
HK0BKX      21090  at  2110Z  QSL
T5RM        14074  at  2114Z  QSL/ARQ
```

Continued in part 2.
/EX
SB RTTYDX @ RTTYDX $RTDX0623

RTTY DX Notes, 2of3, 6/22/90

RTTY DX Notes for Weekending 22nd June 1990.
Part 2 of 3.
BID: $RTDX0623

Saturday 16:

FY5DG	14090	at	0040Z	QSL
SU1HN	14083	at	0305Z	QSL
ED9CI	14091	at	0310Z	
HK0BKX	14088	at	0335Z	
V31AR	14075	at	0400Z	ARQ
EA6BH	14078	at	0703Z	
9M2AX	14085	at	1138Z	
FM2WL	14086	at	1159Z	
YB0GI	14093	at	1329Z	
HS1BV	21091	at	2005Z	
EA9MY	14083	at	2257Z	

Sunday 17:

ED9CI	14091	at	0036Z
J28TY	14089	at	0252Z
UZ3AWP	14088	at	0410Z
UQ2HO	14088	at	0703Z
HI8BJ	14089	at	1240Z
PP8DA	21089	at	1528Z
5N0ETP	21089	at	1532Z
CU2CB	21090	at	1556Z
VR6WH	14089	at	1725Z
SV5TS	14082	at	1957Z
EA9MY	14081	at	2252Z

Monday 18:

UZ3AWP	14081	at	0605Z	
J28TY	21090	at	1400Z	
9Q5BG	21084	at	1742Z	
KC5RY/HP1	14074	at	2000Z	ARQ
6Y5EW	14074	at	2055Z	ARQ
YL1WW	21084	at	2116Z	

Tuesday 19:

J73WA	14086	at	0149Z
YL1WW	14090	at	0300Z
FY4FS	14088	at	0537Z
LY1BYL	14086	at	2027Z
RF1F/UA3TT	14082	at	2322Z
V44KW	14088	at	2339Z

Continued in part 3.
/EX
SB RTTYDX @ RTTYDX $RTDX0624
RTTY DX Notes, 3of3, 6/22/90

RTTY DX Notes for Weekending 22nd June 1990.
Part 3 of 3.
BID: $RTDX0624

Wednesday 20:

LY2WW	21083	at	0235Z	
RA3AL	14097	at	0345Z	
EA6MQ	14097	at	0518Z	QSL
KL7KJ	14087	at	0522Z	
VR6WH	14089	at	0635Z	
PJ2MI	14074	at	1040Z	ARQ
ES2WX	14084	at	1153Z	
UA9EAL	14085	at	1352Z	
BV4VB	21088	at	1745Z	
PZ1DZ	14084	at	2338Z	

Thursday 21:

UQ2HO	14089	at	0348Z
J73EH	14082	at	0440Z
EA6MQ	14088	at	0516Z

QSL Information:

ED9CI says to QSL via EA9KQ.

T5RM will QSL via HB9RTR, 134 Saules, 1233 Bernex, Switzerland.

HK0BKX (San Andres) via WB9NUL.

FY5DG is at Box 450, Kouru, French Guyana.

SU1HN will QSL via Box 1578, Alf Maskan, Cairo.

EA6MQ will QSL via his Callbook address.

Notes of Interest:

ED9CI was the station that was reported last week as having the callsign of AN9CI. The call was changed at the last moment, but it was still Aure on Chafarinas Island.

YL1WW is in Riga, USSR. No further information at this time.

TV9GIR will be a special call from Margaux Island (north of Bordeaux) on June 23/24. They will operate all bands and modes (including CW on 10 MHz). QSL via FD1MRE or via the bureau.

We appear to be a little short of information this week, but propagation has been very poor, and someone has taken Africa off the map.

GL DE DX1 (VK2EG) VIA TG9VT.

Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA. Send RTTY DX tips
to VK2SG @ VK2AGE.AUS.AU.
/EX
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

Date: Mon, 25 Jun 90 21:36 CDT
From: John.Perry.-.KG5RG@mbian.gal.utexas.edu
Subject: startup message
To: INFO-HAMS@ucsd.edu

startup message

Date: 25 Jun 90 19:47:54 GMT
From: hpfcso!hpfcdc!perry@hplabs.hpl.hp.com (Perry Scott)
Subject: Strange RFI
To: info-hams@ucsd.edu

>Is there a television set operating nearby? I get all kinds of RFI from my TV,
>and a bit from the neighbors'. The horizontal oscillator operates at
>15.734 KHz.

Yeah, I get this one, too. Lessee - 30 Mhz is on about the 2000th
harmonic. That's a sharp sawtooth indeed ! Can I put a ferrite bead
on a wire somewhere in the telly to get rid of this ?

My wife finds it ironic she QRMs me as much as I QRM her. :-)

Perry

x.Berkeley.EDU (5.63/1.41)
     id AA26315; Mon, 25 Jun 90 21:10:32 -0700
Received: from USENET by ucbvax.Berkeley.EDU with netnews
     for info-hams-ddn@ucsd.edu (info-hams@ucsd.edu)
     (contact usenet@ucbvax.Berkeley.EDU if you have questions)
Date: 25 Jun 90 20:18:49 GMT
From: hpfcso!hpfcdc!perry@hplabs.hpl.hp.com (Perry Scott)
Organization: HP Ft. Collins, Co.
Subject: Re: The Demise of HR Magazine and Comments on CQ
Message-Id: <7880165@hpfcdc.HP.COM>
References: <2480@kodak.UUCP>
Sender: info-hams-relay@ucsd.edu

To: info-hams@ucsd.edu

>I see a lot of people p*ssing and moaning about the lack of technical
>material. I _don't_ see those people writing and submitting articles.
>
>Jon Bloom, KE3Z

I agree. Magazines don't dream up this stuff - we do. When was the last time you did something original ? If you have a better, cheaper, faster way to do something and don't publish, it's as if you never thought of it at all.

What about me ? I'm working on a cheaper soft-start for high-power (tube) RF amps. Does one already exist ? I don't know - I haven't seen one yet.

By the way, I find this newsgroup to be a powerful counter point to the regular mags. We can say what we want against CQ and QST in an uneditted manner. We can also exchange ideas in a way not possible via a magazine. I even find technically useful information, despite the lack of graphics.

Perry Scott, KF0CA

Date: Mon, 25 Jun 90 21:28 CDT
From: John.Perry.-.KG5RG@mbian.gal.utexas.edu
Subject: test
To: INFO-HAMS@ucsd.edu

test

Date: 25 Jun 90 16:38:38 GMT
From: hpcc01!col!bobw@hplabs.hpl.hp.com (Bob Witte)
Subject: The Demise of HR Magazine and Comments on CQ
To: info-hams@ucsd.edu

Re: Goodbye Ham Radio Magazine

* I said goodbye to HR some time ago. I feel that they lost the formula that made them successful. The magazine appealed to the more technical portion of the amateur radio population. About three or four years ago, I think they forgot this fact and started watering down their technical content. I had written a couple of articles for them and conversations with their editors began to center more on sure fire idiot proof construction and less on technical content (IMHO).
  At that point I pulled the plug on my subscription,
  so I have no recent experience with HR.

* Wireless World is a really interesting magazine. It has a great mix of electrical engineering, amateur radio, general electronics hobbyist stuff, basic theory and pseudo-science. The downside is 1) ads are for UK products 2) prices are in pounds 3) words like color are spelled 'colour' 4) expensive in the US.

```
-------------------------------------------------------------------
Bob Witte              HP Colorado Springs Division
bobw@col.hp.com        P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO  80901
Radio: KB0CY           Packet: kb0cy@w0lkd
-------------------------------------------------------------------
```

Date: 25 Jun 90 21:44:24 GMT
From: att!cbnewsc!tedk@ucbvax.Berkeley.EDU (ted.g.kekatos)
Subject: Wanted: TRS-80 Model 100 software - packet radio
To: info-hams@ucsd.edu

Wanted: Software for Radio Shack TRS-80 Model 100

* Terminal program for packet radio TNC (split screen?)
* Amateur Radio speciality programs

Send info/program source to:

Ted G. Kekatos   N9IXE
UUCP: ..!att!ihlpl!tedk
INTERNET: tedk@i88.isc.com
(708) 979-0804

End of Info-Hams Digest
****

From -1040661769616355208
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c4264c6cc20f3a8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 08:58:57 PST
Path: gmdzi!unido!mcsun!uunet!nems!mimsy!haven!aplcen!uakari.primate.wisc.edu!sdd.hp.com!decwrl!ucbvax!mbian.gal.utexas.edu!John.Perry.-.KG5RG
From: John.Perry.-.KG5RG@mbian.gal.utexas.edu
Newsgroups: rec.ham-radio
Subject: (From: IN%"Info-Hams@UCSD.Edu") Info-Hams Digest V1 #42
Message-ID: <73CDA851193F001CAC@mbian.gal.utexas.edu>

Date: 26 Jun 90 11:02:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: PERRY@mbian.gal.utexas.edu
Organization: The Internet
Lines: 899
Posted: Tue Jun 26 12:02:00 1990

Received: from nic.the.net by mbian.gal.utexas.edu; Tue, 26 Jun 90 06:00 CDT
Received: from ucsd.edu by nic.the.net; Tue, 26 Jun 90 06:00 CDT
Received: by ucsd.edu; id AA16701 sendmail 5.64/UCSD-2.1-sun Tue, 26 Jun 90
 02:30:38 -0700
Received: by ucsd.edu; id AA16644 sendmail 5.64/UCSD-2.1-sun Tue, 26 Jun 90
 02:30:20 -0700 for /usr/lib/sendmail -oc -odb -oQ/var/spool/lqueue -oi
 -finfo-hams-relay info-hams-list
Date: Tue, 26 Jun 90 02:30:14 PDT
From: Info-Hams Mailing List and Newsgroup </dev/null@ucsd.edu>
Subject: Info-Hams Digest V1 #42
To: Info-Hams@ucsd.edu
Reply-to: Info-Hams@UCSD.Edu
Message-id: <9006260930.AA16644@ucsd.edu>
X-Envelope-to: perry

Info-Hams Digest   Tue, 26 Jun 90   Volume 90 : Issue 42

Today's Topics:
(From: IN%"Info-Hams@UCSD.Edu") Info-Hams Digest V1 #41
ARRL NR 21: FIELD DAY POINTS
HDTV and Waveform Modulation
How to buy a QSO

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

Date: Tue, 26 Jun 90 03:11 CDT
From: John.Perry.-.KG5RG@mbian.gal.utexas.edu
Subject: (From: IN%"Info-Hams@UCSD.Edu") Info-Hams Digest V1 #41
To: INFO-HAMS@ucsd.edu

Received: from nic.the.net by mbian.gal.utexas.edu; Tue, 26 Jun 90 03:10 CDT
Received: from ucsd.edu by nic.the.net; Tue, 26 Jun 90 03:10 CDT
Received: by ucsd.edu; id AA08976 sendmail 5.64/UCSD-2.1-sun Tue, 26 Jun 90
 00:00:23 -0700
Received: by ucsd.edu; id AA08886 sendmail 5.64/UCSD-2.1-sun Tue, 26 Jun 90
 00:00:09 -0700 for /usr/lib/sendmail -oc -odb -oQ/var/spool/lqueue -oi
 -finfo-hams-relay info-hams-list
Date: Tue, 26 Jun 90 00:00:05 PDT
From: Info-Hams Mailing List and Newsgroup </dev/null@ucsd.edu>
Subject: Info-Hams Digest V1 #41

To: Info-Hams@ucsd.edu
Reply-to: Info-Hams@UCSD.Edu
Message-id: <9006260700.AA08886@ucsd.edu>
X-Envelope-to: perry

Info-Hams Digest   Tue, 26 Jun 90   Volume 90 : Issue 41

Today's Topics:
... Teaching Science, etc.
arrl PFB 26
ATV BALLOON LAUNCH (Northeastern USA)
Denmark & Holland
Dubious quality of CQ review of AEA IsoLoop
Ham calls seen in horrible movie
Homebrew repeater controllers
How to buy a QSO, 20 M mess, etc...
HR mag
Making Ham Radio Known
RTTY DX Notes, 6/22/90
startup message
Strange RFI
test
The Demise of HR Magazine and Comments on CQ
Wanted: TRS-80 Model 100 software - packet radio

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>

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Date: Mon, 25 Jun 90 15:24:27 CDT
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Subject: ... Teaching Science, etc.
To: infohams@flopn2.csc.ti.com

> From: TILDE::"BRUCEH@UTKVX3.BITNET" 25-JUN-1990 15:01:53.93
> To: info-hams-incoming
> Subj: HR/CQ, Teaching Science, etc.
>
> one of the best ways to support science education is to become INVOLVED
> in the science fair programs in a local school. If they don't have one
> start one (with the help of the local school). One has to be careful
> not to step on the toes of the local science teachers, principles, etc.
> but I've found them to be open to ideas, HELP, etc. We raised money for

Maybe one slightly different tack is to approach the TEACHERS, make resources
and training availble to them, and offer to assist with transferring it to
the students.

I get the impression a lot of teachers feel tied up with budget constraints and administrative policy.

If you can get one teacher interested in ham radio, that might lead to getting a dozen students involved...

Just a thought!!

73,
Bob

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                         !   "In order to accomplish the
 Bob West WA8YCD                !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM       !    the absurd!"
                                !       -- Miguel de Animo y Jugo
 P. O. Box  863069              !
 Plano Texas 75086              !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

Date: 25 Jun 90 22:00:20 GMT
From: n8emr!gws@tut.cis.ohio-state.edu (Gary Sanders)
Subject: arrl PFB 26
To: info-hams@ucsd.edu

```
==============================================================
|         Relayed from packet radio via                      |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

ZCZC AP30
PROPAGATION FORECAST BULLETIN 26 ARLPP026
FROM ED TILTON, W1HDQ
SPRING HILL FL JUNE 25, 1990
TO ALL RADIO AMATEURS

THE SOLAR FLUX WAS OFF TO A GOOD START EARLY IN JUNE, BUT IT PEAKED AT 217 ON THE 12TH. THIS WAS 51 POINTS BELOW THE YEARS HIGH OF 268 SET ONE MONTH EARLIER. THE SOLAR FLUX THEN SLID BACK TO 133 BY THE 23RD. IT ROSE A BIT ON THE 24TH AND IT MAY BE ON ITS WAY TO HIGHER LEVELS THIS WEEK.

SOME NEW ACTIVITY WAS SEEN IN THE EASTERN PORTION OF THE SUN OVER THE WEEKEND, AND MORE MAY BE SHOWING UP IN THE NEXT FEW DAYS. ITS PROGRESS CAN BE FOLLOWED BY LISTENING TO INFORMATION GIVEN BY WWV AT 18 MINUTES AFTER EACH HOUR.

DESPITE THE LOW SOLAR FLUX, PROPAGATION WAS FAIRLY GOOD LAST WEEK, EXCEPT THAT BANDS ABOVE 21 MHZ MAY HAVE BEEN MARGINAL FOR DX USE AT TIMES WHEN SPORADIC E SKIP WAS IN. IT MAY HAVE BEEN MUCH OF THE TIME AND IT WILL BE WITH US OFTEN WELL INTO JULY, AT LEAST.

E SKIP IS USEFUL FOR MEDIUM DISTANCE WORK ON 28 AND 50 MHZ, AND IT MAY SHOW UP ON 144 MHZ AT TIMES, ESPECIALLY IN JUNE AND EARLY JULY. IT IS LIKELY TO BE VERY ERRATIC AND SHORT LIVED ON 144 MHZ.

AMERICAN SUNSPOT NUMBERS FOR JUNE 14 THROUGH 20 WERE BETWEEN 67 AND 125 WITH A MEAN OF 95.4. AR

--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

Date: 25 Jun 90 14:35:53 GMT
From: usc!samsung!cg-atla!raybed2!ewb@ucsd.edu (EUGENE BALINSKI)
Subject: ATV BALLOON LAUNCH (Northeastern USA)
To: info-hams@ucsd.edu

WB8ELK's BALLOON Launch carrying LIVE ATV is going on as scheduled. The launch net will be on 40 meters LSB 7155 KHz. "CAP COMM" will be WA3USG. Net will commence at 8:30 AM EDT with launch expected at 9:00 AM EDT. Video will be on 439.25 (CABLE CH 60). Beacon frequency 144.34.

Bill (WB8ELK) is inviting everyone out to the launch sight to view the launch. Bill is also in need of some people with FOX HUNTING skills to help with the recovery. If you can help please contact him direct at 73 Mag Phone: 603-525-4201.

If you view the video or hear the beacon please get in touch with Bill. He will certainly want to get reception reports.

73
Gene WA1UXA

Note: Bill's Packet address is WB8ELK @ WA1WOK.NH.USA.NA

Date: Tue, 26 Jun 90 08:38 MET
From: "Cor Posch, A.M.C. Amsterdam" <POSCH%AMC.UVA.NL@CUNYVM.CUNY.EDU>
Subject: Denmark & Holland
To: INFO-HAMS@WSMR-SIMTEL20.ARMY.MIL

In article <1990jun21>att!cbnewsj!mea1@ucbvax.Berkeley.EDU (michael.e.alterman) writes:

>We are planning a vacation to Denmark and the Netherlands this summer.
>My wife and I are both licensed hams and we would like to bring our HT

>and or mobile transceiver with us. (ICOM-IC24AT and 3210, USA models)
>We would like to use them to meet local hams, as well as for travel advice.
>Are there repeaters on 2M and 440 MHz around those countries as there are here,
>and will our current equipment be fine for accessing them, or do they have
>different requirements for access, such as special tones, or different offsets?

The repeaters in Holland are all located in the 145.6 - 145.775 region, and most of them do not require a tone burst to start them up. The offset is as in the US, -600 Kc for the input frequency. On 70cm most of the repeaters are in the 430.000 - 430.500 region, requiring a +1.6Mc shift for the input frequency. Remember the bandplan is a lot smaller in Holland for 2m and 70cm as it is in the US, but you can easaly find that your reciprocal license (I guess).

>Are the operating procedures on VHF/UHF repeaters similar to in the USA?

When I was over in the US, I noticed no big differences, so I guess they are the same.

>Can we obtain directories of repeaters, before we leave home.

It'll be probably (again) in your receprocal license agreement, but if not, I'm quite willing to help you out.

>What is the required procedure for reciprocal operating privileges?

As I did for Canada and the US, request one. The address, I think, you can use for Holland is:

HDTP/ Directie Operationele Zaken
Postbus 450
9700 AL Groningen
The Netherlands.

Include to speed up the procedure, copies of your US licenses. As noted before, you might have to pay for your license(s)!

>Please reply via email, if possible.

Why personaly, I think it could be of interest for a wider audiance too.

Hope to hear you.

---
Cor Posch, PA3DYW
POSCH@AMC.UVA.NL

Date: 25 Jun 90 13:52:33 GMT
From: apctrc!gpss5!zslf0a@uunet.uu.net (Steven L. Farmer)
Subject: Dubious quality of CQ review of AEA IsoLoop

To: info-hams@ucsd.edu

In article <42200@apple.Apple.COM> kchen@Apple.COM (Kok Chen) writes:
>Theoretical arguments against small antennas are very compelling. (The

Well, I dunno. One of my antenna references (_Antenna Theory and Design_, W. Stutzman, G. Thiele) does an analysis of a circular loop 0.2 wavelengths in circumference at 1 MHz. The calculated impedance is 0.316+j285.8. With copper wire with a conductivity of 5.7E-07 mhos/m, the total input resistance is calculated at 0.324 ohms. This yields an efficiency of 97.5%. Not bad. The horizontal radiation pattern (free space) is only slightly inferior to a dipole in its most favored direction. Again, not bad.

Of course, losses in any network used for matching to the transmission line aren't considered in this. But it still indicates that small loops *might* work pretty well. Whether the AEA job does or not is still an open question. Hopefully, someone out there will actually TEST one and let the rest of us know.

73's - Steve WA5RPF

Date: 25 Jun 90 13:15:30 GMT
From: att!tsdiag!davet@ucbvax.Berkeley.EDU (Dave Tiller N2KAU)
Subject: Ham calls seen in horrible movie
To: info-hams@ucsd.edu

In article <1990Jun20.191715.20514@cbnewsc.att.com> tedk@cbnewsc.att.com (ted.g.kekatos) writes:
>In article <1014@tsdiag.ccur.com> davet@tsdiag.ccur.com (Dave Tiller N2KAU) writes:
>|
>|On the late, late, way-late movie the other night on NY channel 7 there
>|was shown a movie starring Larry Hagman as a chivalrous helicopter pilot
>
>But, what was the name of this movie? I want to rent it!
>

Ah hah! Another fan of good bad movies! I think it was called "Dangerous Rescue." It was produced by Zarkoff. We (Jim Blakey and I) use our own rating scheme:

good/good : Star Wars, Die Hard, etc. A movie that tries to be a good movie and succeeds.
bad/good : Out Of Africa (IMHO), Star Trek V. A movie that tries to be a good movie and fails.
good/bad : Toxic Avenger, Killer Klowns. A movie intended to be bad that succeeds.
bad/bad   : Toxic Avenger II, etc. A movie intended to be bad that fails. These are the most painful to watch.

See ya at the bad movies! (too bad I can't use my ATV setup to broadcast them locally.)
--

David E. Tiller   davet@tsdiag.ccur.com | Concurrent Computer Corp.
FAX: 201-870-5952   Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet | Oceanport NJ, 07757
ICBM: 40 16' 52" N   73 59' 00" W | N2KAU @ NN2Z

Date: 26 Jun 90 06:17:05 GMT
From: netnews.upenn.edu!eniac.seas.upenn.edu!depolo@rutgers.edu (Jeff DePolo)
Subject: Homebrew repeater controllers
To: info-hams@ucsd.edu

In article <7880166@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:

> Just a word of caution - disk drives are less rugged than most electronics.
> If the controller spends most of it's time in an air-conditioned shack, it
> should be fine. :-)
>
> Perry Scott

IMHO, using a PC as a repeater controller is a good idea, and shouldn't be difficult to implement. PC's are nice because most of the hard work that would normally have to be done in hardware in a non-CPU based repeater can be done in software. Access codes can be easily changed, PROMS don't have to be burned for different CW ID's, the ID's themselves can be generated by the computer, etc. The way I see it, the above caveat can easily be remedied by not using floppy drives/a hard drive in normal operation. The system should be set up so that upon booting, both the control software and all data necessary to run the repeater, including the custom control codes, ID's, messages, etc. should all be loaded into memory to prevent unnecessary use of the disk drive and also to increase speed. But that's probably pretty obvious. I can't think of any real reason why the computer would have to write anything to disk as the repeater is used. What's there to be logged that easily be converted to a digital format that's of any use?

BTW, most of the interfacing can probably be done without having to directly communicate with the computer byte-wise. Control lines on the RS232 port make handy binary lines. Having the computer set lines high is a quick and efficient way of flipping relays, keying CW, etc. They can be used as input as well - have a receiver set the line high when a signal opens squelch. It's a lot easier than having to read and write 8 bits on the data lines and allows for more than one device to be connected to the computer unlike 2-device serial communications. And if one port isn't enough, another serial port can be added for about $25. A stripped-down single-floppy XT clone with 2 serial ports should cost less than $500 new, probably under $300 used. If money is really tight, use as C64 (ick) or trash-80.

About the only "real" communications that would be necessary would be getting DTMF tones from the receiver to the computer. That shouldn't be all that difficult either. Less than 5 chips in actuality. Take a DTMF decoder and a UART and you're 99% done. Things like detecting S/N for voting or detecting PL might be a bit more difficult, but they would be necessary in a non-computer-based repeater anyway. Control of the repeater would be simple - just tack on a modem.

If you do decide to go through with the project, keep us posted. I'd be interested in hearing how you went about the whole project. I'm sure it's been done many other times before, but it would still be interesting.

```
                                       --- Jeff
+------------------------+-----------------------------------------------------+
| Jeff DePolo N3HBZ/AA   | Internet: depolo@eniac.seas.upenn.edu               |
| Univ. of Pennsylvania  | RF: 146.685- 224.40- 442.70+ 144.455s (Philadelpia) |
| Computer Science Eng.  | Twisted pair: (215) 386-7199 home                   |
|     Class of 1991      | Carrier pigeon: 420 South 42nd St. Philly, PA 19104 |
+------------------------+-----------------------------------------------------+
```

Date: 25 Jun 90 21:21:32 GMT
From: crdgw1!trub@uunet.uu.net (Donald P Perley)
Subject: How to buy a QSO, 20 M mess, etc...
To: info-hams@ucsd.edu

In article <1990Jun25.144036.27405@dg-rtp.dg.com>, harrism@aquila (Mike Harris) writes:

>I, personally, wouldn't mind it if omnidirectional antennas were also illegal.
>Why should anybody expect to own a frequency in *every* direction. I'd be
>happy, though, to just have a lower power limit. One can do *so* much with
>antenna's - it's amazing.

>We'd have *alot* more room on our bands if people used directional antennas
>and ran reduced power. The latter would force the fomer somewhat.

It sure would cut down on the round-table QSO's & networks.

Oh, and the mobile operators might think it was a bit of an imposition.

I would think that Kilowatt ops are more likely to have a beam & tower already. Either they have more money to spend, or are willing to spend more of what they have on the hobby.

We have a lot more room with most people running SSB rather than AM, but we didn't have to legislate to accomplish it. People switched for their own reasons (like more bang for the watt).

-don perley - ke2tp

perley@trub.crd.ge.com

Date: 25 Jun 90 13:35:50 GMT

From: rochester!rit!cci632!cep@rutgers.edu (co-op)
Subject: HR mag
To: info-hams@ucsd.edu

In article <1990Jun23.042526.6014@maverick.ksu.ksu.edu> steve@matt.ksu.ksu.edu
(Steve Schallehn) writes:
>
>I wonder if QEX from the ARRL is any good as an experimentation magazine?
>Someone has to come out with a new HR! Someone has to!
>
>-Steve Schallehn, KB0AGD

Not really. My club just got its renewal notice for QEX and I have
decided not to renew it. (We are an ARRL-affiliated club, by the
way, which has some *teriffic* benefits).

My problem with QEX is redundancy. I have seen an article that says,
"Let's have fun and build a 20-meter cw portable tranceiver that works
on a 9-volt battery!" SOOOOO many times - this is the sort of thing
that belongs in the handbook, and not to pop up in QEX two or three
times a year.

Chris WZ2B

--
Christopher E. Piggott, WZ2B   (ex-N2JGW)
President - Rochester Institute of Technology Amateur Radio Club K2GXT
cs.rochester.edu!cci632!ccird7!cep or uunet!ccicpg!cci632!ccird7!cep

----

Date: Mon, 25 Jun 90 14:31:17 CDT
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Subject: Making Ham Radio Known
To: infohams@flopn2.csc.ti.com

> From: TILDE::"ajs@hpfcdc.HP.COM" "Alan Silverstein" 24-JUN-1990 01:31:25.18
> To: info-hams-incoming
> Subj: Re: Making ham radio known
>
> > Think about what you do in ham radio. Do you yak with your friends on
> > the way to work on the 2-meter repeater?
>
> Well I've only been Tech-licensed a week and a half, but one thing I do
> is help people make phone calls to friends from the top of 14000'
> mountains. If that doesn't stimulate interest, I dunno what will.
>
OK, you've made a positive contribution right there, only two weeks out of
the mailbox. (Congrats, BTW!)

Anything a ham does for the public, whether its a courtesy phone patch/remote
call, or getting help to someone stranded in a flood or earthquake, is on
the plus side.

We need all of that we can get. Good show.

Now. Were those folks (since they were up on a mountain...) part of a club or organization (climbing club, environmentalist organization, whatever?)

Is there a way you can arrange for a presentation at one of their meetings about ham radio? If not yourself, maybe someone from your radio club is not uncomfortable in front of a strange group...

SYSMSGSBE-W-WARNING: SOAPBOX MODE ENGAGED...

That's a little more agressive, and I think that is what Patty and some of us were looking for. I unfortunately, between work and running code practice for the club and helping out with the VE team have plenty to do. If I had about three more nights per week, I'd like to seek out new life and new civi-... oops... new organizations that need programs and present to Lion's Club and Elks and Shriner's and Ladies' Auxiliary of the Volunteer Fire Department... and present ham radio as it is (or as we hope it to be!)

Two things are possible if you do that right...
   (1) Jane and John Q. Public know FOR REAL what ham radio is, not what rumor and misinformation make of it, and
   (2) SOMEBODY might get interested.

(2) is nice, but they're not going to beat your door down. (1) builds a firm foundation on which (2) can build from.

Maybe, maybe not. But it sure can't hurt...if it's done well.

SYSMSGSBE-I-NOTICE: SOAPBOX MODE TERMINATED.

Have fun with your new license. Go try all the neat things you can do, and if you can do a favor for a friend or a stranger, let 'em know it was a HAM who did it!

73,

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                          !   "In order to accomplish the
 Bob West WA8YCD                 !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM        !    the absurd!"
                                 !       -- Miguel de Animo y Jugo
 P. O. Box  863069               !
 Plano Texas 75086               !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

Date: 25 Jun 90 21:56:32 GMT
From: n8emr!gws@tut.cis.ohio-state.edu (Gary Sanders)
Subject: RTTY DX Notes, 6/22/90

To: info-hams@ucsd.edu

```
==============================================================
|         Relayed from packet radio via                      |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ RTTYDX $RTDX0622
RTTY DX Notes, 1of3, 6/22/90

RTTY DX Notes for Weekending 22nd June 1990.
Part 1 of 3.
BID: $RTDX0622

The ANARTS contest has come and gone, and if you thought that the propagation was poor for that weekend, you should have a look at it now. Even the intruders are missing. But we have received some logs, and from some of the scores there was little to complain about. Keep the logs coming, chaps.

Our thanks this week go to I5FLN, I5ICY, I5IGQ, OD5NG, PJ2MI, TG9VT, VK2EG, W2JGR and the Tri-State DX Association VHF packet cluster. Thank you all for your assistance. Every little bit helps.

Bandpass:

Friday 15:

ED9CI	14083	at	0001Z	QSL/Note
KR6N/KP4	14087	at	0034Z	
FO5EM	14081	at	0610Z	
VR6WH	14088	at	0655Z	
BV2HC	14087	at	1252Z	
PJ2WOL	14074	at	1407Z	ARQ
CU2AT	14090	at	1642Z	
HK0BKX	21090	at	2110Z	QSL
T5RM	14074	at	2114Z	QSL/ARQ

Continued in part 2.
/EX
SB RTTYDX @ RTTYDX $RTDX0623
RTTY DX Notes, 2of3, 6/22/90

RTTY DX Notes for Weekending 22nd June 1990.
Part 2 of 3.
BID: $RTDX0623

Saturday 16:

FY5DG	14090	at	0040Z	QSL
SU1HN	14083	at	0305Z	QSL
ED9CI	14091	at	0310Z	

```
HK0BKX      14088  at  0335Z
V31AR       14075  at  0400Z  ARQ
EA6BH       14078  at  0703Z
9M2AX       14085  at  1138Z
FM2WL       14086  at  1159Z
YB0GI       14093  at  1329Z
HS1BV       21091  at  2005Z
EA9MY       14083  at  2257Z

Sunday 17:
ED9CI       14091  at  0036Z
J28TY       14089  at  0252Z
UZ3AWP      14088  at  0410Z
UQ2HO       14088  at  0703Z
HI8BJ       14089  at  1240Z
PP8DA       21089  at  1528Z
5N0ETP      21089  at  1532Z
CU2CB       21090  at  1556Z
VR6WH       14089  at  1725Z
SV5TS       14082  at  1957Z
EA9MY       14081  at  2252Z

Monday 18:
UZ3AWP      14081  at  0605Z
J28TY       21090  at  1400Z
9Q5BG       21084  at  1742Z
KC5RY/HP1   14074  at  2000Z  ARQ
6Y5EW       14074  at  2055Z  ARQ
YL1WW       21084  at  2116Z

Tuesday 19:
J73WA       14086  at  0149Z
YL1WW       14090  at  0300Z
FY4FS       14088  at  0537Z
LY1BYL      14086  at  2027Z
RF1F/UA3TT  14082  at  2322Z
V44KW       14088  at  2339Z

Continued in part 3.
/EX
SB RTTYDX @ RTTYDX $RTDX0624
RTTY DX Notes, 3of3, 6/22/90

RTTY DX Notes for Weekending 22nd June 1990.
Part 3 of 3.
BID: $RTDX0624


Wednesday 20:
LY2WW       21083  at  0235Z
RA3AL       14097  at  0345Z
EA6MQ       14097  at  0518Z  QSL
KL7KJ       14087  at  0522Z
```

VR6WH	14089	at	0635Z	
PJ2MI	14074	at	1040Z	ARQ
ES2WX	14084	at	1153Z	
UA9EAL	14085	at	1352Z	
BV4VB	21088	at	1745Z	
PZ1DZ	14084	at	2338Z	

Thursday 21:

UQ2HO	14089	at	0348Z
J73EH	14082	at	0440Z
EA6MQ	14088	at	0516Z

QSL Information:

ED9CI says to QSL via EA9KQ.

T5RM will QSL via HB9RTR, 134 Saules, 1233 Bernex, Switzerland.

HK0BKX (San Andres) via WB9NUL.

FY5DG is at Box 450, Kouru, French Guyana.

SU1HN will QSL via Box 1578, Alf Maskan, Cairo.

EA6MQ will QSL via his Callbook address.

Notes of Interest:

ED9CI was the station that was reported last week as having the callsign of AN9CI. The call was changed at the last moment, but it was still Aure on Chafarinas Island.

YL1WW is in Riga, USSR. No further information at this time.

TV9GIR will be a special call from Margaux Island (north of Bordeaux) on June 23/24. They will operate all bands and modes (including CW on 10 MHz). QSL via FD1MRE or via the bureau.

We appear to be a little short of information this week, but propagation has been very poor, and someone has taken Africa off the map.

GL DE DX1 (VK2EG) VIA TG9VT.

Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA. Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.
/EX
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553

Voice: 614-895-2552 (eves/weekends)

Date: Mon, 25 Jun 90 21:36 CDT
From: John.Perry.-.KG5RG@mbian.gal.utexas.edu
Subject: startup message
To: INFO-HAMS@ucsd.edu

startup message

Date: 25 Jun 90 19:47:54 GMT
From: hpfcso!hpfcdc!perry@hplabs.hpl.hp.com (Perry Scott)
Subject: Strange RFI
To: info-hams@ucsd.edu

>Is there a television set operating nearby? I get all kinds of RFI from my TV,
>and a bit from the neighbors'. The horizontal oscillator operates at
>15.734 KHz.

Yeah, I get this one, too. Lessee - 30 Mhz is on about the 2000th
harmonic. That's a sharp sawtooth indeed ! Can I put a ferrite bead
on a wire somewhere in the telly to get rid of this ?

My wife finds it ironic she QRMs me as much as I QRM her. :-)

Perry

x.Berkeley.EDU (5.63/1.41)
     id AA26315; Mon, 25 Jun 90 21:10:32 -0700
Received: from USENET by ucbvax.Berkeley.EDU with netnews
     for info-hams-ddn@ucsd.edu (info-hams@ucsd.edu)
     (contact usenet@ucbvax.Berkeley.EDU if you have questions)
Date: 25 Jun 90 20:18:49 GMT
From: hpfcso!hpfcdc!perry@hplabs.hpl.hp.com (Perry Scott)
Organization: HP Ft. Collins, Co.
Subject: Re: The Demise of HR Magazine and Comments on CQ
Message-Id: <7880165@hpfcdc.HP.COM>
References: <2480@kodak.UUCP>
Sender: info-hams-relay@ucsd.edu
To: info-hams@ucsd.edu

>I see a lot of people p*ssing and moaning about the lack of technical
>material. I _don't_ see those people writing and submitting articles.
>
>Jon Bloom, KE3Z

I agree. Magazines don't dream up this stuff - we do. When was the
last time you did something original ? If you have a better, cheaper,
faster way to do something and don't publish, it's as if you never

thought of it at all.

What about me ? I'm working on a cheaper soft-start for high-power (tube) RF amps. Does one already exist ? I don't know - I haven't seen one yet.

By the way, I find this newsgroup to be a powerful counter point to the regular mags. We can say what we want against CQ and QST in an uneditted manner. We can also exchange ideas in a way not possible via a magazine. I even find technically useful information, despite the lack of graphics.

Perry Scott, KF0CA

Date: Mon, 25 Jun 90 21:28 CDT
From: John.Perry.-.KG5RG@mbian.gal.utexas.edu
Subject: test
To: INFO-HAMS@ucsd.edu

test

Date: 25 Jun 90 16:38:38 GMT
From: hpcc01!col!bobw@hplabs.hpl.hp.com (Bob Witte)
Subject: The Demise of HR Magazine and Comments on CQ
To: info-hams@ucsd.edu

Re: Goodbye Ham Radio Magazine

* I said goodbye to HR some time ago. I feel that they lost the formula that made them successful. The magazine appealed to the more technical portion of the amateur radio population. About three or four years ago, I think they forgot this fact and started watering down their technical content. I had written a couple of articles for them and conversations with their editors began to center more on sure fire idiot proof construction and less on technical content (IMHO). At that point I pulled the plug on my subscription, so I have no recent experience with HR.

* Wireless World is a really interesting magazine. It has a great mix of electrical engineering, amateur radio, general electronics hobbyist stuff, basic theory and pseudo-science. The downside is 1) ads are for UK products 2) prices are in pounds 3) words like color are spelled 'colour' 4) expensive in the US.

Bob Witte   HP Colorado Springs Division

bobw@col.hp.com   P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO 80901
Radio: KB0CY   Packet: kb0cy@w0lkd

Date: 25 Jun 90 21:44:24 GMT
From: att!cbnewsc!tedk@ucbvax.Berkeley.EDU (ted.g.kekatos)
Subject: Wanted: TRS-80 Model 100 software - packet radio
To: info-hams@ucsd.edu

Wanted: Software for Radio Shack TRS-80 Model 100

 * Terminal program for packet radio TNC (split screen?)
 * Amateur Radio speciality programs

Send info/program source to:

Ted G. Kekatos   N9IXE
UUCP: ..!att!ihlpl!tedk
INTERNET: tedk@i88.isc.com
(708) 979-0804

End of Info-Hams Digest
****

Date: 25 Jun 90 13:43:47 GMT
From: dg!lewine@uunet.uu.net (Don Lewine)
Subject: ARRL NR 21: FIELD DAY POINTS
To: info-hams@ucsd.edu

Does copying the ARRL message via usenet count?

Date: 26 Jun 90 08:23:39 GMT
From: cs.utexas.edu!swrinde!emory!ogicse!milton!cfogg@tut.cis.ohio-state.edu
(Chad Fogg)
Subject: HDTV and Waveform Modulation
To: info-hams@ucsd.edu

A new term to add to the HDTV glossary, waveform modulation is given
a brief mention in the July 1990 issue of _Video_Magazine_, page 50.

According to the article, Production Services, Inc. of Tuscon, Arizona
claims they can "squeeze a full-blown HDTV signal and a conventional
NTSC signal within the same 6 MHz frequency channel" by using "a new

modulation technology to add information to the spectrum without interference."

Richard Gerdes, PSI co-founder, explains that their technique "alters the shape of the carrier and transmits the result of that altered wave shape."

At the NTSC level:

PSI gas already developed a commercial product using waveform modulation for NTSC broadcasts: an encoder and decoder that allows an NTSC station to broadcast two channels simultaneously from one transmitter. "You could tune to channel 4A or 4B using the decoder," Gerdes says. The FCC has already granted an experimental license for channel 11 in Tuscon, a Fox Network affiliate, to begin testing the system.

Article aside, has anyone in Tuscon seen this? Any elaborations on waveform modulation; PSI's technology? And does WM have implications for other EM-based communications?

Date: 25 Jun 90 13:40:15 GMT
From: dg!lewine@uunet.uu.net (Don Lewine)
Subject: How to buy a QSO
To: info-hams@ucsd.edu

In article <1990Jun22.221444.25178@ecn.purdue.edu> wb9omc@ea.ecn.purdue.edu (Duane P Mantick) writes:
>>>From: k4bnc@cbnewsh.att.com (john.a.siegel)
> One time I had the satisfaction of turning this situation
> around. I was sitting with my measly 20 watts on top of
> a mountain in the Smokies and encountered a pileup with
> a New Zealand ham - I put up my call at the appropriate
> time and he responded immediately. He didn't believe that
> I was running a Uniden 2510 with no amp and told me I was
> not only 59+ but louder than some fellows who told him they
> were running about 1 KW! Made me feel just *fine*.

That is correct. The difference between 20 watts and 1000 watts is 13 db or about 2 S-units. A good antenna in a good QTH can make much more of a difference. The difference between someone that the gods of propagation are smiling on and someone that they are not can be 60 db or more.

I remember on night working about 50 east european stations in a row. They said that I was the only W/K station that they could hear. This was not due to monster antennas or high power. It was mostly the dumb luck of being exactly where the opening was. Sill, it was great to be the target of a pileup for once.

P.S. My attitude to DXCC is, if I happen to work them great, if not, no big deal. I have about 125 confirmed countries. Almost all of them came back on the first or second call and QSL via the buro. After all, ham radio should be fun. If you are not having fun do something else.

```
                     --73,
                          WB2UMF
```

End of Info-Hams Digest
****

```
From 2383123370954176247
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,656c2422b7f183b2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 09:01:20 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!mbian.gal.utexas.edu!
John.Perry.-.KG5RG
From: John.Perry.-.KG5RG@mbian.gal.utexas.edu
Newsgroups: rec.ham-radio
Subject: (From: IN%"Info-Hams@UCSD.Edu") Info-Hams Digest V1 #43
Message-ID: <73B9A5E1B6FF001BE2@mbian.gal.utexas.edu>
Date: 26 Jun 90 13:25:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: PERRY@mbian.gal.utexas.edu
Organization: The Internet
Lines: 937
Posted: Tue Jun 26 14:25:00 1990

Received: from nic.the.net by mbian.gal.utexas.edu; Tue, 26 Jun 90 08:23 CDT
Received: from ucsd.edu by nic.the.net; Tue, 26 Jun 90 08:23 CDT
Received: by ucsd.edu; id AA29370 sendmail 5.64/UCSD-2.1-sun Tue, 26 Jun 90
 04:30:21 -0700
Received: by ucsd.edu; id AA29342 sendmail 5.64/UCSD-2.1-sun Tue, 26 Jun 90
 04:30:09 -0700 for /usr/lib/sendmail -oc -odb -oQ/var/spool/lqueue -oi
 -finfo-hams-relay info-hams-list
Date: Tue, 26 Jun 90 04:30:05 PDT
From: Info-Hams Mailing List and Newsgroup </dev/null@ucsd.edu>
Subject: Info-Hams Digest V1 #43
To: Info-Hams@ucsd.edu
Reply-to: Info-Hams@UCSD.Edu
Message-id: <9006261130.AA29342@ucsd.edu>
X-Envelope-to: perry
```

```
Info-Hams Digest            Tue, 26 Jun 90       Volume 90 : Issue  43
```

Today's Topics:
       (From: IN%"Info-Hams@UCSD.Edu") Info-Hams Digest V1 #42

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>

```
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>

Archives of past issues of the Info-Hams Digest are available
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----------------------------------------------------------------------

Date: Tue, 26 Jun 90 06:02 CDT
From: John.Perry.-.KG5RG@mbian.gal.utexas.edu
Subject: (From: IN%"Info-Hams@UCSD.Edu") Info-Hams Digest V1 #42
To: INFO-HAMS@ucsd.edu

Received: from nic.the.net by mbian.gal.utexas.edu; Tue, 26 Jun 90 06:00 CDT
Received: from ucsd.edu by nic.the.net; Tue, 26 Jun 90 06:00 CDT
Received: by ucsd.edu; id AA16701 sendmail 5.64/UCSD-2.1-sun Tue, 26 Jun 90
 02:30:38 -0700
Received: by ucsd.edu; id AA16644 sendmail 5.64/UCSD-2.1-sun Tue, 26 Jun 90
 02:30:20 -0700 for /usr/lib/sendmail -oc -odb -oQ/var/spool/lqueue -oi
 -finfo-hams-relay info-hams-list
Date: Tue, 26 Jun 90 02:30:14 PDT
From: Info-Hams Mailing List and Newsgroup </dev/null@ucsd.edu>
Subject: Info-Hams Digest V1 #42
To: Info-Hams@ucsd.edu
Reply-to: Info-Hams@UCSD.Edu
Message-id: <9006260930.AA16644@ucsd.edu>
X-Envelope-to: perry


Info-Hams Digest            Tue, 26 Jun 90       Volume 90 : Issue  42

Today's Topics:
       (From: IN%"Info-Hams@UCSD.Edu") Info-Hams Digest V1 #41
                     ARRL NR 21: FIELD DAY POINTS
                     HDTV and Waveform Modulation
                           How to buy a QSO

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----------------------------------------------------------------------

Date: Tue, 26 Jun 90 03:11 CDT
From: John.Perry.-.KG5RG@mbian.gal.utexas.edu
Subject: (From: IN%"Info-Hams@UCSD.Edu") Info-Hams Digest V1 #41
To: INFO-HAMS@ucsd.edu

Received: from nic.the.net by mbian.gal.utexas.edu; Tue, 26 Jun 90 03:10 CDT
Received: from ucsd.edu by nic.the.net; Tue, 26 Jun 90 03:10 CDT
Received: by ucsd.edu; id AA08976 sendmail 5.64/UCSD-2.1-sun Tue, 26 Jun 90
 00:00:23 -0700
Received: by ucsd.edu; id AA08886 sendmail 5.64/UCSD-2.1-sun Tue, 26 Jun 90
 00:00:09 -0700 for /usr/lib/sendmail -oc -odb -oQ/var/spool/lqueue -oi
```

-finfo-hams-relay info-hams-list
Date: Tue, 26 Jun 90 00:00:05 PDT
From: Info-Hams Mailing List and Newsgroup </dev/null@ucsd.edu>
Subject: Info-Hams Digest V1 #41
To: Info-Hams@ucsd.edu
Reply-to: Info-Hams@UCSD.Edu
Message-id: <9006260700.AA08886@ucsd.edu>
X-Envelope-to: perry

Info-Hams Digest   Tue, 26 Jun 90   Volume 90 : Issue 41

Today's Topics:

... Teaching Science, etc.
arrl PFB 26
ATV BALLOON LAUNCH (Northeastern USA)
Denmark & Holland
Dubious quality of CQ review of AEA IsoLoop
Ham calls seen in horrible movie
Homebrew repeater controllers
How to buy a QSO, 20 M mess, etc...
HR mag
Making Ham Radio Known
RTTY DX Notes, 6/22/90
startup message
Strange RFI
test
The Demise of HR Magazine and Comments on CQ
Wanted: TRS-80 Model 100 software - packet radio

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Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>

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Date: Mon, 25 Jun 90 15:24:27 CDT
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Subject: ... Teaching Science, etc.
To: infohams@flopn2.csc.ti.com

> From: TILDE::"BRUCEH@UTKVX3.BITNET" 25-JUN-1990 15:01:53.93
> To: info-hams-incoming
> Subj: HR/CQ, Teaching Science, etc.
>
> one of the best ways to support science education is to become INVOLVED
> in the science fair programs in a local school. If they don't have one
> start one (with the help of the local school). One has to be careful
> not to step on the toes of the local science teachers, principles, etc.
> but I've found them to be open to ideas, HELP, etc. We raised money for

Maybe one slightly different tack is to approach the TEACHERS, make resources and training availble to them, and offer to assist with transferring it to the students.

I get the impression a lot of teachers feel tied up with budget constraints and administrative policy.

If you can get one teacher interested in ham radio, that might lead to getting a dozen students involved...

Just a thought!!

73,
Bob

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                          !   "In order to accomplish the
 Bob West WA8YCD                 !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM        !    the absurd!"
                                 !       -- Miguel de Animo y Jugo
 P. O. Box  863069               !
 Plano Texas 75086               !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

Date: 25 Jun 90 22:00:20 GMT
From: n8emr!gws@tut.cis.ohio-state.edu (Gary Sanders)
Subject: arrl PFB 26
To: info-hams@ucsd.edu

```
==============================================================
|         Relayed from packet radio via                 |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

ZCZC AP30
PROPAGATION FORECAST BULLETIN 26 ARLPP026
FROM ED TILTON, W1HDQ
SPRING HILL FL JUNE 25, 1990
TO ALL RADIO AMATEURS

THE SOLAR FLUX WAS OFF TO A GOOD START EARLY IN JUNE, BUT IT PEAKED AT 217 ON THE 12TH. THIS WAS 51 POINTS BELOW THE YEARS HIGH OF 268 SET ONE MONTH EARLIER. THE SOLAR FLUX THEN SLID BACK TO 133 BY THE 23RD. IT ROSE A BIT ON THE 24TH AND IT MAY BE ON ITS WAY TO HIGHER LEVELS THIS WEEK.

SOME NEW ACTIVITY WAS SEEN IN THE EASTERN PORTION OF THE SUN OVER THE WEEKEND, AND MORE MAY BE SHOWING UP IN THE NEXT FEW DAYS. ITS PROGRESS CAN BE FOLLOWED BY LISTENING TO INFORMATION GIVEN BY WWV AT 18 MINUTES AFTER EACH HOUR.

DESPITE THE LOW SOLAR FLUX, PROPAGATION WAS FAIRLY GOOD LAST WEEK, EXCEPT THAT BANDS ABOVE 21 MHZ MAY HAVE BEEN MARGINAL FOR DX USE AT TIMES WHEN SPORADIC E SKIP WAS IN. IT MAY HAVE BEEN MUCH OF THE TIME AND IT WILL BE WITH US OFTEN WELL INTO JULY, AT LEAST.

E SKIP IS USEFUL FOR MEDIUM DISTANCE WORK ON 28 AND 50 MHZ, AND IT MAY SHOW UP ON 144 MHZ AT TIMES, ESPECIALLY IN JUNE AND EARLY JULY. IT IS LIKELY TO BE VERY ERRATIC AND SHORT LIVED ON 144 MHZ.

AMERICAN SUNSPOT NUMBERS FOR JUNE 14 THROUGH 20 WERE BETWEEN 67 AND 125 WITH A MEAN OF 95.4. AR

--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

Date: 25 Jun 90 14:35:53 GMT
From: usc!samsung!cg-atla!raybed2!ewb@ucsd.edu (EUGENE BALINSKI)
Subject: ATV BALLOON LAUNCH (Northeastern USA)
To: info-hams@ucsd.edu

WB8ELK's BALLOON Launch carrying LIVE ATV is going on as scheduled. The launch net will be on 40 meters LSB 7155 KHz. "CAP COMM" will be WA3USG. Net will commence at 8:30 AM EDT with launch expected at 9:00 AM EDT. Video will be on 439.25 (CABLE CH 60). Beacon frequency 144.34.

Bill (WB8ELK) is inviting everyone out to the launch sight to view the launch. Bill is also in need of some people with FOX HUNTING skills to help with the recovery. If you can help please contact him direct at 73 Mag Phone: 603-525-4201.

If you view the video or hear the beacon please get in touch with Bill. He will certainly want to get reception reports.

73
Gene WA1UXA

Note: Bill's Packet address is WB8ELK @ WA1WOK.NH.USA.NA

Date: Tue, 26 Jun 90 08:38 MET
From: "Cor Posch, A.M.C. Amsterdam" <POSCH%AMC.UVA.NL@CUNYVM.CUNY.EDU>
Subject: Denmark & Holland
To: INFO-HAMS@WSMR-SIMTEL20.ARMY.MIL

In article <1990jun21>att!cbnewsj!mea1@ucbvax.Berkeley.EDU (michael.e.alterman)

writes:

>We are planning a vacation to Denmark and the Netherlands this summer.
>My wife and I are both licensed hams and we would like to bring our HT
>and or mobile transceiver with us. (ICOM-IC24AT and 3210, USA models)
>We would like to use them to meet local hams, as well as for travel advice.
>Are there repeaters on 2M and 440 MHz around those countries as there are here,
>and will our current equipment be fine for accessing them, or do they have
>different requirements for access, such as special tones, or different offsets?

The repeaters in Holland are all located in the 145.6 - 145.775 region, and most of them do not require a tone burst to start them up. The offset is as in the US, -600 Kc for the input frequency. On 70cm most of the repeaters are in the 430.000 - 430.500 region, requiring a +1.6Mc shift for the input frequency. Remember the bandplan is a lot smaller in Holland for 2m and 70cm as it is in the US, but you can easaly find that your reciprocal license (I guess).

>Are the operating procedures on VHF/UHF repeaters similar to in the USA?

When I was over in the US, I noticed no big differences, so I guess they are the same.

>Can we obtain directories of repeaters, before we leave home.

It'll be probably (again) in your receprocal license agreement, but if not, I'm quite willing to help you out.

>What is the required procedure for reciprocal operating privileges?

As I did for Canada and the US, request one. The address, I think, you can use for Holland is:

HDTP/ Directie Operationele Zaken
Postbus 450
9700 AL Groningen
The Netherlands.

Include to speed up the procedure, copies of your US licenses. As noted before, you might have to pay for your license(s)!

>Please reply via email, if possible.

Why personaly, I think it could be of interest for a wider audiance too.

Hope to hear you.

Cor Posch, PA3DYW
POSCH@AMC.UVA.NL

Date: 25 Jun 90 13:52:33 GMT
From: apctrc!gpss5!zslf0a@uunet.uu.net (Steven L. Farmer)
Subject: Dubious quality of CQ review of AEA IsoLoop
To: info-hams@ucsd.edu

In article <42200@apple.Apple.COM> kchen@Apple.COM (Kok Chen) writes:
>Theoretical arguments against small antennas are very compelling. (The

Well, I dunno. One of my antenna references (_Antenna Theory and Design_, W. Stutzman, G. Thiele) does an analysis of a circular loop 0.2 wavelengths in circumference at 1 MHz. The calculated impedance is 0.316+j285.8. With copper wire with a conductivity of 5.7E-07 mhos/m, the total input resistance is calculated at 0.324 ohms. This yields an efficiency of 97.5%. Not bad. The horizontal radiation pattern (free space) is only slightly inferior to a dipole in its most favored direction. Again, not bad.

Of course, losses in any network used for matching to the transmission line aren't considered in this. But it still indicates that small loops *might* work pretty well. Whether the AEA job does or not is still an open question. Hopefully, someone out there will actually TEST one and let the rest of us know.

73's - Steve WA5RPF

Date: 25 Jun 90 13:15:30 GMT
From: att!tsdiag!davet@ucbvax.Berkeley.EDU (Dave Tiller N2KAU)
Subject: Ham calls seen in horrible movie
To: info-hams@ucsd.edu

In article <1990Jun20.191715.20514@cbnewsc.att.com> tedk@cbnewsc.att.com (ted.g.kekatos) writes:
>In article <1014@tsdiag.ccur.com> davet@tsdiag.ccur.com (Dave Tiller N2KAU) writes:
>|
>|On the late, late, way-late movie the other night on NY channel 7 there
>|was shown a movie starring Larry Hagman as a chivalrous helicopter pilot
>
>But, what was the name of this movie? I want to rent it!
>
Ah hah! Another fan of good bad movies! I think it was called "Dangerous Rescue." It was produced by Zarkoff. We (Jim Blakey and I) use our own rating scheme:

good/good : Star Wars, Die Hard, etc. A movie that tries to be a good movie and succeeds.
bad/good : Out Of Africa (IMHO), Star Trek V. A movie that tries to be a good movie and fails.
good/bad : Toxic Avenger, Killer Klowns. A movie intended to be bad that succeeds.
bad/bad : Toxic Avenger II, etc. A movie intended to be bad that

fails. These are the most painful to watch.
See ya at the bad movies! (too bad I can't use my ATV setup to broadcast them locally.)
--
David E. Tiller   davet@tsdiag.ccur.com | Concurrent Computer Corp.
FAX: 201-870-5952   Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet | Oceanport NJ, 07757
ICBM: 40 16' 52" N   73 59' 00" W | N2KAU @ NN2Z

Date: 26 Jun 90 06:17:05 GMT
From: netnews.upenn.edu!eniac.seas.upenn.edu!depolo@rutgers.edu (Jeff DePolo)
Subject: Homebrew repeater controllers
To: info-hams@ucsd.edu

In article <7880166@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>Just a word of caution - disk drives are less rugged than most electronics.
>If the controller spends most of it's time in an air-conditioned shack, it
>should be fine. :-)
>
>Perry Scott

IMHO, using a PC as a repeater controller is a good idea, and shouldn't be difficult to implement. PC's are nice because most of the hard work that would normally have to be done in hardware in a non-CPU based repeater can be done in software. Access codes can be easily changed, PROMS don't have to be burned for different CW ID's, the ID's themselves can be generated by the computer, etc. The way I see it, the above caveat can easily be remedied by not using floppy drives/a hard drive in normal operation. The system should be set up so that upon booting, both the control software and all data necessary to run the repeater, including the custom control codes, ID's, messages, etc. should all be loaded into memory to prevent unnecessary use of the disk drive and also to increase speed. But that's probably pretty obvious. I can't think of any real reason why the computer would have to write anything to disk as the repeater is used. What's there to be logged that easily be converted to a digital format that's of any use?

BTW, most of the interfacing can probably be done without having to directly communicate with the computer byte-wise. Control lines on the RS232 port make handy binary lines. Having the computer set lines high is a quick and efficient way of flipping relays, keying CW, etc. They can be used as input as well - have a receiver set the line high when a signal opens squelch. It's a lot easier than having to read and write 8 bits on the data lines and allows for more than one device to be connected to the computer unlike 2-device serial communications. And if one port isn't enough, another serial port can be added for about $25.
A stripped-down single-floppy XT clone with 2 serial ports should cost less than $500 new, probably under $300 used. If money is really tight, use as C64 (ick) or trash-80.

About the only "real" communications that would be necessary would be getting DTMF tones from the receiver to the computer. That shouldn't be all that difficult either. Less than 5 chips in actuality. Take a DTMF decoder and a UART and you're 99% done. Things like detecting S/N for voting or detecting PL might be a bit more difficult, but they would be necessary in a non-computer-based repeater anyway. Control of the repeater would be simple - just tack on a modem.

If you do decide to go through with the project, keep us posted. I'd be interested in hearing how you went about the whole project. I'm sure it's been done many other times before, but it would still be interesting.

```
                                     --- Jeff
+------------------------+-----------------------------------------------------+
| Jeff DePolo N3HBZ/AA   | Internet: depolo@eniac.seas.upenn.edu               |
| Univ. of Pennsylvania  | RF: 146.685- 224.40- 442.70+ 144.455s (Philadelpia) |
| Computer Science Eng.  | Twisted pair: (215) 386-7199 home                   |
|     Class of 1991      | Carrier pigeon: 420 South 42nd St. Philly, PA 19104 |
+------------------------+-----------------------------------------------------+
```

Date: 25 Jun 90 21:21:32 GMT
From: crdgw1!trub@uunet.uu.net (Donald P Perley)
Subject: How to buy a QSO, 20 M mess, etc...
To: info-hams@ucsd.edu

In article <1990Jun25.144036.27405@dg-rtp.dg.com>, harrism@aquila (Mike Harris) writes:

>I, personally, wouldn't mind it if omnidirectional antennas were also illegal.
>Why should anybody expect to own a frequency in *every* direction. I'd be
>happy, though, to just have a lower power limit. One can do *so* much with
>antenna's - it's amazing.

>We'd have *alot* more room on our bands if people used directional antennas
>and ran reduced power. The latter would force the fomer somewhat.

It sure would cut down on the round-table QSO's & networks.

Oh, and the mobile operators might think it was a bit of an imposition.

I would think that Kilowatt ops are more likely to have a beam & tower already. Either they have more money to spend, or are willing to spend more of what they have on the hobby.

We have a lot more room with most people running SSB rather than AM, but we didn't have to legislate to accomplish it. People switched for their own reasons (like more bang for the watt).

-don perley - ke2tp

perley@trub.crd.ge.com

Date: 25 Jun 90 13:35:50 GMT
From: rochester!rit!cci632!cep@rutgers.edu (co-op)
Subject: HR mag
To: info-hams@ucsd.edu

In article <1990Jun23.042526.6014@maverick.ksu.ksu.edu> steve@matt.ksu.ksu.edu (Steve Schallehn) writes:
>
>I wonder if QEX from the ARRL is any good as an experimentation magazine?
>Someone has to come out with a new HR! Someone has to!
>
>-Steve Schallehn, KB0AGD

Not really. My club just got its renewal notice for QEX and I have decided not to renew it. (We are an ARRL-affiliated club, by the way, which has some *teriffic* benefits).

My problem with QEX is redundancy. I have seen an article that says, "Let's have fun and build a 20-meter cw portable tranceiver that works on a 9-volt battery!" SOOOOO many times - this is the sort of thing that belongs in the handbook, and not to pop up in QEX two or three times a year.

Chris WZ2B

--
Christopher E. Piggott, WZ2B   (ex-N2JGW)
President - Rochester Institute of Technology Amateur Radio Club K2GXT
cs.rochester.edu!cci632!ccird7!cep or uunet!ccicpg!cci632!ccird7!cep

---

Date: Mon, 25 Jun 90 14:31:17 CDT
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Subject: Making Ham Radio Known
To: infohams@flopn2.csc.ti.com

> From: TILDE::"ajs@hpfcdc.HP.COM" "Alan Silverstein" 24-JUN-1990 01:31:25.18
> To: info-hams-incoming
> Subj: Re: Making ham radio known
>
> > Think about what you do in ham radio. Do you yak with your friends on
> > the way to work on the 2-meter repeater?
>
> Well I've only been Tech-licensed a week and a half, but one thing I do
> is help people make phone calls to friends from the top of 14000'
> mountains. If that doesn't stimulate interest, I dunno what will.
>

OK, you've made a positive contribution right there, only two weeks out of the mailbox. (Congrats, BTW!)

Anything a ham does for the public, whether its a courtesy phone patch/remote call, or getting help to someone stranded in a flood or earthquake, is on the plus side.

We need all of that we can get. Good show.

Now. Were those folks (since they were up on a mountain...) part of a club or organization (climbing club, environmentalist organization, whatever?)

Is there a way you can arrange for a presentation at one of their meetings about ham radio? If not yourself, maybe someone from your radio club is not uncomfortable in front of a strange group...

SYSMSGSBE-W-WARNING: SOAPBOX MODE ENGAGED...

That's a little more agressive, and I think that is what Patty and some of us were looking for. I unfortunately, between work and running code practice for the club and helping out with the VE team have plenty to do. If I had about three more nights per week, I'd like to seek out new life and new civi-... oops... new organizations that need programs and present to Lion's Club and Elks and Shriner's and Ladies' Auxiliary of the Volunteer Fire Department... and present ham radio as it is (or as we hope it to be!)

Two things are possible if you do that right...
   (1) Jane and John Q. Public know FOR REAL what ham radio is, not what rumor and misinformation make of it, and
   (2) SOMEBODY might get interested.

(2) is nice, but they're not going to beat your door down. (1) builds a firm foundation on which (2) can build from.

Maybe, maybe not. But it sure can't hurt...if it's done well.

SYSMSGSBE-I-NOTICE: SOAPBOX MODE TERMINATED.

Have fun with your new license. Go try all the neat things you can do, and if you can do a favor for a friend or a stranger, let 'em know it was a HAM who did it!

73,

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                          !   "In order to accomplish the
 Bob West WA8YCD                 !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM        !    the absurd!"
                                 !       -- Miguel de Animo y Jugo
 P. O. Box  863069               !
 Plano Texas 75086               !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

Date: 25 Jun 90 21:56:32 GMT
From: n8emr!gws@tut.cis.ohio-state.edu (Gary Sanders)
Subject: RTTY DX Notes, 6/22/90
To: info-hams@ucsd.edu

```
==============================================================
|        Relayed from packet radio via                |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ RTTYDX $RTDX0622
RTTY DX Notes, 1of3, 6/22/90

RTTY DX Notes for Weekending 22nd June 1990.
Part 1 of 3.
BID: $RTDX0622

The ANARTS contest has come and gone, and if you thought that the propagation was poor for that weekend, you should have a look at it now. Even the intruders are missing. But we have received some logs, and from some of the scores there was little to complain about. Keep the logs coming, chaps.

Our thanks this week go to I5FLN, I5ICY, I5IGQ, OD5NG, PJ2MI, TG9VT, VK2EG, W2JGR and the Tri-State DX Association VHF packet cluster. Thank you all for your assistance. Every little bit helps.

Bandpass:

Friday 15:

ED9CI	14083	at	0001Z	QSL/Note
KR6N/KP4	14087	at	0034Z	
FO5EM	14081	at	0610Z	
VR6WH	14088	at	0655Z	
BV2HC	14087	at	1252Z	
PJ2WOL	14074	at	1407Z	ARQ
CU2AT	14090	at	1642Z	
HK0BKX	21090	at	2110Z	QSL
T5RM	14074	at	2114Z	QSL/ARQ

Continued in part 2.
/EX
SB RTTYDX @ RTTYDX $RTDX0623
RTTY DX Notes, 2of3, 6/22/90

RTTY DX Notes for Weekending 22nd June 1990.
Part 2 of 3.
BID: $RTDX0623

```
Saturday 16:
FY5DG       14090  at  0040Z  QSL
SU1HN       14083  at  0305Z  QSL
ED9CI       14091  at  0310Z
HK0BKX      14088  at  0335Z
V31AR       14075  at  0400Z  ARQ
EA6BH       14078  at  0703Z
9M2AX       14085  at  1138Z
FM2WL       14086  at  1159Z
YB0GI       14093  at  1329Z
HS1BV       21091  at  2005Z
EA9MY       14083  at  2257Z

Sunday 17:
ED9CI       14091  at  0036Z
J28TY       14089  at  0252Z
UZ3AWP      14088  at  0410Z
UQ2HO       14088  at  0703Z
HI8BJ       14089  at  1240Z
PP8DA       21089  at  1528Z
5N0ETP      21089  at  1532Z
CU2CB       21090  at  1556Z
VR6WH       14089  at  1725Z
SV5TS       14082  at  1957Z
EA9MY       14081  at  2252Z

Monday 18:
UZ3AWP      14081  at  0605Z
J28TY       21090  at  1400Z
9Q5BG       21084  at  1742Z
KC5RY/HP1   14074  at  2000Z  ARQ
6Y5EW       14074  at  2055Z  ARQ
YL1WW       21084  at  2116Z

Tuesday 19:
J73WA       14086  at  0149Z
YL1WW       14090  at  0300Z
FY4FS       14088  at  0537Z
LY1BYL      14086  at  2027Z
RF1F/UA3TT  14082  at  2322Z
V44KW       14088  at  2339Z

Continued in part 3.
/EX
SB RTTYDX @ RTTYDX $RTDX0624
RTTY DX Notes, 3of3, 6/22/90

RTTY DX Notes for Weekending 22nd June 1990.
Part 3 of 3.
BID: $RTDX0624


Wednesday 20:
```

LY2WW	21083	at	0235Z	
RA3AL	14097	at	0345Z	
EA6MQ	14097	at	0518Z	QSL
KL7KJ	14087	at	0522Z	
VR6WH	14089	at	0635Z	
PJ2MI	14074	at	1040Z	ARQ
ES2WX	14084	at	1153Z	
UA9EAL	14085	at	1352Z	
BV4VB	21088	at	1745Z	
PZ1DZ	14084	at	2338Z	

Thursday 21:

UQ2HO	14089	at	0348Z
J73EH	14082	at	0440Z
EA6MQ	14088	at	0516Z

QSL Information:

ED9CI says to QSL via EA9KQ.

T5RM will QSL via HB9RTR, 134 Saules, 1233 Bernex, Switzerland.

HK0BKX (San Andres) via WB9NUL.

FY5DG is at Box 450, Kouru, French Guyana.

SU1HN will QSL via Box 1578, Alf Maskan, Cairo.

EA6MQ will QSL via his Callbook address.

Notes of Interest:

ED9CI was the station that was reported last week as having the callsign of AN9CI. The call was changed at the last moment, but it was still Aure on Chafarinas Island.

YL1WW is in Riga, USSR. No further information at this time.

TV9GIR will be a special call from Margaux Island (north of Bordeaux) on June 23/24. They will operate all bands and modes (including CW on 10 MHz). QSL via FD1MRE or via the bureau.

We appear to be a little short of information this week, but propagation has been very poor, and someone has taken Africa off the map.

GL DE DX1 (VK2EG) VIA TG9VT.

Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA. Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.
/EX

--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

Date: Mon, 25 Jun 90 21:36 CDT
From: John.Perry.-.KG5RG@mbian.gal.utexas.edu
Subject: startup message
To: INFO-HAMS@ucsd.edu

startup message

Date: 25 Jun 90 19:47:54 GMT
From: hpfcso!hpfcdc!perry@hplabs.hpl.hp.com (Perry Scott)
Subject: Strange RFI
To: info-hams@ucsd.edu

>Is there a television set operating nearby? I get all kinds of RFI from my TV,
>and a bit from the neighbors'. The horizontal oscillator operates at
>15.734 KHz.

Yeah, I get this one, too. Lessee - 30 Mhz is on about the 2000th
harmonic. That's a sharp sawtooth indeed ! Can I put a ferrite bead
on a wire somewhere in the telly to get rid of this ?

My wife finds it ironic she QRMs me as much as I QRM her. :-)

Perry

x.Berkeley.EDU (5.63/1.41)
     id AA26315; Mon, 25 Jun 90 21:10:32 -0700
Received: from USENET by ucbvax.Berkeley.EDU with netnews
     for info-hams-ddn@ucsd.edu (info-hams@ucsd.edu)
     (contact usenet@ucbvax.Berkeley.EDU if you have questions)
Date: 25 Jun 90 20:18:49 GMT
From: hpfcso!hpfcdc!perry@hplabs.hpl.hp.com (Perry Scott)
Organization: HP Ft. Collins, Co.
Subject: Re: The Demise of HR Magazine and Comments on CQ
Message-Id: <7880165@hpfcdc.HP.COM>
References: <2480@kodak.UUCP>
Sender: info-hams-relay@ucsd.edu
To: info-hams@ucsd.edu

>I see a lot of people p*ssing and moaning about the lack of technical
>material. I _don't_ see those people writing and submitting articles.
>
>Jon Bloom, KE3Z

I agree. Magazines don't dream up this stuff - we do. When was the last time you did something original ? If you have a better, cheaper, faster way to do something and don't publish, it's as if you never thought of it at all.

What about me ? I'm working on a cheaper soft-start for high-power (tube) RF amps. Does one already exist ? I don't know - I haven't seen one yet.

By the way, I find this newsgroup to be a powerful counter point to the regular mags. We can say what we want against CQ and QST in an uneditted manner. We can also exchange ideas in a way not possible via a magazine. I even find technically useful information, despite the lack of graphics.

Perry Scott, KF0CA

Date: Mon, 25 Jun 90 21:28 CDT
From: John.Perry.-.KG5RG@mbian.gal.utexas.edu
Subject: test
To: INFO-HAMS@ucsd.edu

test

Date: 25 Jun 90 16:38:38 GMT
From: hpcc01!col!bobw@hplabs.hpl.hp.com (Bob Witte)
Subject: The Demise of HR Magazine and Comments on CQ
To: info-hams@ucsd.edu

Re: Goodbye Ham Radio Magazine

* I said goodbye to HR some time ago. I feel that they lost the formula that made them successful. The magazine appealed to the more technical portion of the amateur radio population. About three or four years ago, I think they forgot this fact and started watering down their technical content. I had written a couple of articles for them and conversations with their editors began to center more on sure fire idiot proof construction and less on technical content (IMHO).
  At that point I pulled the plug on my subscription, so I have no recent experience with HR.

* Wireless World is a really interesting magazine. It has a great mix of electrical engineering, amateur radio, general electronics hobbyist stuff, basic theory and pseudo-science. The downside is 1) ads are for UK products 2) prices are in pounds 3) words like color are spelled 'colour' 4) expensive in the US.

Bob Witte   HP Colorado Springs Division
bobw@col.hp.com   P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO 80901
Radio: KB0CY   Packet: kb0cy@w0lkd

Date: 25 Jun 90 21:44:24 GMT
From: att!cbnewsc!tedk@ucbvax.Berkeley.EDU (ted.g.kekatos)
Subject: Wanted: TRS-80 Model 100 software - packet radio
To: info-hams@ucsd.edu

Wanted: Software for Radio Shack TRS-80 Model 100

- Terminal program for packet radio TNC (split screen?)
- Amateur Radio speciality programs

Send info/program source to:

Ted G. Kekatos   N9IXE
UUCP: ..!att!ihlpl!tedk
INTERNET: tedk@i88.isc.com
(708) 979-0804

End of Info-Hams Digest
****

Date: 25 Jun 90 13:43:47 GMT
From: dg!lewine@uunet.uu.net (Don Lewine)
Subject: ARRL NR 21: FIELD DAY POINTS
To: info-hams@ucsd.edu

Does copying the ARRL message via usenet count?

Date: 26 Jun 90 08:23:39 GMT
From: cs.utexas.edu!swrinde!emory!ogicse!milton!cfogg@tut.cis.ohio-state.edu
(Chad Fogg)
Subject: HDTV and Waveform Modulation
To: info-hams@ucsd.edu

A new term to add to the HDTV glossary, waveform modulation is given
a brief mention in the July 1990 issue of _Video_Magazine_, page 50.

According to the article, Production Services, Inc. of Tuscon, Arizona claims they can "squeeze a full-blown HDTV signal and a conventional NTSC signal within the same 6 MHz frequency channel" by using "a new modulation technology to add information to the spectrum without interference."

Richard Gerdes, PSI co-founder, explains that their technique "alters the shape of the carrier and transmits the result of that altered wave shape."

At the NTSC level:

> PSI gas already developed a commercial product using waveform modulation for NTSC broadcasts: an encoder and decoder that allows an NTSC station to broadcast two channels simultaneously from one transmitter. "You could tune to channel 4A or 4B using the decoder," Gerdes says. The FCC has already granted an experimental license for channel 11 in Tuscon, a Fox Network affiliate, to begin testing the system.

Article aside, has anyone in Tuscon seen this? Any elaborations on waveform modulation; PSI's technology? And does WM have implications for other EM-based communications?

Date: 25 Jun 90 13:40:15 GMT
From: dg!lewine@uunet.uu.net (Don Lewine)
Subject: How to buy a QSO
To: info-hams@ucsd.edu

In article <1990Jun22.221444.25178@ecn.purdue.edu> wb9omc@ea.ecn.purdue.edu (Duane P Mantick) writes:
>>>From: k4bnc@cbnewsh.att.com (john.a.siegel)
>   One time I had the satisfaction of turning this situation
>   around. I was sitting with my measly 20 watts on top of
>   a mountain in the Smokies and encountered a pileup with
>   a New Zealand ham - I put up my call at the appropriate
>   time and he responded immediately. He didn't believe that
>   I was running a Uniden 2510 with no amp and told me I was
>   not only 59+ but louder than some fellows who told him they
>   were running about 1 KW! Made me feel just *fine*.

That is correct. The difference between 20 watts and 1000 watts is 13 db or about 2 S-units. A good antenna in a good QTH can make much more of a difference. The difference between someone that the gods of propagation are smiling on and someone that they are not can be 60 db or more.

I remember on night working about 50 east european stations in a row. They said that I was the only W/K station that they could hear. This was not due to monster antennas or high power. It was mostly the dumb luck of being exactly where the opening was. Sill, it was great to be the target of a pileup for once.

P.S. My attitude to DXCC is, if I happen to work them great, if not, no big deal. I have about 125 confirmed countries. Almost all of them came back on the first or second call and QSL via the buro. After all, ham radio should be fun. If you are not having fun do something else.

--73,
WB2UMF

End of Info-Hams Digest
****

End of Info-Hams Digest
****

From 3517146018806242532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,caddb59d6bc0612c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 09:51:44 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!rutgers!cmcl2!lanl!
rdw2030@venus.tamu.edu
From: rdw2030@venus.tamu.edu
Newsgroups: rec.ham-radio
Subject: AA info...
Message-ID: <55209@lanl.gov>
Date: 26 Jun 90 04:40:58 GMT
Sender: news@lanl.gov
Reply-To: rdw2030@venus.tamu.edu
Organization: TAMU
Lines: 5
Posted: Tue Jun 26 05:40:58 1990

Many thanks for the excellent description of your program there, Steve! You guys sound like you've really got it together over there! I hope you will continue to keep us informed about how things are going in the future!

Mark C. Lowe - KB5III

From 4886373190681698655
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a4b5f7875557393,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 09:52:45 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!rutgers!cmcl2!lanl!

```
rdw2030@venus.tamu.edu
From: rdw2030@venus.tamu.edu
Newsgroups: rec.ham-radio
Subject: Deluge ARRL with mail...
Message-ID: <55207@lanl.gov>
Date: 26 Jun 90 04:14:47 GMT
Sender: news@lanl.gov
Reply-To: rdw2030@venus.tamu.edu
Organization: TAMU
Lines: 16
Posted: Tue Jun 26 05:14:47 1990
```

Well, what do you think would be the effect of a mass mailing telling the ARRL what we would like to see in QST? All of us sitting on here saying QST's ok, BUT... That doesn't fix the problem!

I think it needs to be BIGGER! Not necessarily in size, but content! Have you ever noticed that fully ONE-HALF!!! of QST is ads? It's really a bit more than that, considering the ads that come between articles and such. That's pathetic!! I subscribe because I feel I need to keep a leg in somehow but it IS a bit sad! It's almost like BYTE!

Where's the beef? I agree... we need more technical stuff!!! I wonder how many people subscribed to Ham Radio. If someone started up a strictly "high-tech" ham magazine, I wonder how much support they could realistically expect. As was mentioned before... the mag can only be as good as its submissions!

Mark C. Lowe - KB5III

```
From 1343891767640126098
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,776596f7626aeae2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 09:53:42 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!uwm.edu!bionet!ames!aplvax!ames!ads.com!
decwrl!ucbvax!mbian.gal.utexas.edu!John.Perry.-.KG5RG
From: /dev/null@ucsd.edu (Info-Hams Mailing List and Newsgroup)
Newsgroups: rec.ham-radio
Subject: Info-Hams Digest V1 #42
Message-ID: <9006260930.AA16644@ucsd.edu>
Date: 26 Jun 90 09:30:14 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: Info-Hams@UCSD.Edu
Organization: The Internet
Lines: 883
Posted: Tue Jun 26 10:30:14 1990
To: Info-Hams@ucsd.edu
X-Envelope-to: perry
```

```
Info-Hams Digest            Tue, 26 Jun 90       Volume 90 : Issue  42
```

Today's Topics:

(From: IN%"Info-Hams@UCSD.Edu") Info-Hams Digest V1 #41
ARRL NR 21: FIELD DAY POINTS
HDTV and Waveform Modulation
How to buy a QSO

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

```
Date: Tue, 26 Jun 90 03:11 CDT
From: John.Perry.-.KG5RG@mbian.gal.utexas.edu
Subject: (From: IN%"Info-Hams@UCSD.Edu") Info-Hams Digest V1 #41
To: INFO-HAMS@ucsd.edu

Received: from nic.the.net by mbian.gal.utexas.edu; Tue, 26 Jun 90 03:10 CDT
Received: from ucsd.edu by nic.the.net; Tue, 26 Jun 90 03:10 CDT
Received: by ucsd.edu; id AA08976 sendmail 5.64/UCSD-2.1-sun Tue, 26 Jun 90
 00:00:23 -0700
Received: by ucsd.edu; id AA08886 sendmail 5.64/UCSD-2.1-sun Tue, 26 Jun 90
 00:00:09 -0700 for /usr/lib/sendmail -oc -odb -oQ/var/spool/lqueue -oi
 -finfo-hams-relay info-hams-list
Date: Tue, 26 Jun 90 00:00:05 PDT
From: Info-Hams Mailing List and Newsgroup </dev/null@ucsd.edu>
Subject: Info-Hams Digest V1 #41
To: Info-Hams@ucsd.edu
Reply-to: Info-Hams@UCSD.Edu
Message-id: <9006260700.AA08886@ucsd.edu>
X-Envelope-to: perry
```

Info-Hams Digest   Tue, 26 Jun 90   Volume 90 : Issue 41

Today's Topics:

... Teaching Science, etc.
arrl PFB 26
ATV BALLOON LAUNCH (Northeastern USA)
Denmark & Holland
Dubious quality of CQ review of AEA IsoLoop
Ham calls seen in horrible movie
Homebrew repeater controllers
How to buy a QSO, 20 M mess, etc...
HR mag
Making Ham Radio Known
RTTY DX Notes, 6/22/90
startup message
Strange RFI
test
The Demise of HR Magazine and Comments on CQ
Wanted: TRS-80 Model 100 software - packet radio

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>

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Date: Mon, 25 Jun 90 15:24:27 CDT
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Subject: ... Teaching Science, etc.
To: infohams@flopn2.csc.ti.com

> From: TILDE::"BRUCEH@UTKVX3.BITNET" 25-JUN-1990 15:01:53.93
> To: info-hams-incoming
> Subj: HR/CQ, Teaching Science, etc.
>
> one of the best ways to support science education is to become INVOLVED
> in the science fair programs in a local school. If they don't have one
> start one (with the help of the local school). One has to be careful
> not to step on the toes of the local science teachers, principles, etc.
> but I've found them to be open to ideas, HELP, etc. We raised money for

Maybe one slightly different tack is to approach the TEACHERS, make resources and training availble to them, and offer to assist with transferring it to the students.

I get the impression a lot of teachers feel tied up with budget constraints and administrative policy.

If you can get one teacher interested in ham radio, that might lead to getting a dozen students involved...

Just a thought!!

73,
Bob

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                         !   "In order to accomplish the
 Bob West WA8YCD                !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM       !    the absurd!"
                                !       -- Miguel de Animo y Jugo
 P. O. Box  863069              !
 Plano Texas 75086              !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

Date: 25 Jun 90 22:00:20 GMT
From: n8emr!gws@tut.cis.ohio-state.edu (Gary Sanders)
Subject: arrl PFB 26
To: info-hams@ucsd.edu

```
==============================================================
|        Relayed from packet radio via                |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

ZCZC AP30
PROPAGATION FORECAST BULLETIN 26 ARLPP026
FROM ED TILTON, W1HDQ
SPRING HILL FL JUNE 25, 1990
TO ALL RADIO AMATEURS

THE SOLAR FLUX WAS OFF TO A GOOD START EARLY IN JUNE, BUT IT PEAKED AT 217 ON THE 12TH. THIS WAS 51 POINTS BELOW THE YEARS HIGH OF 268 SET ONE MONTH EARLIER. THE SOLAR FLUX THEN SLID BACK TO 133 BY THE 23RD. IT ROSE A BIT ON THE 24TH AND IT MAY BE ON ITS WAY TO HIGHER LEVELS THIS WEEK.

SOME NEW ACTIVITY WAS SEEN IN THE EASTERN PORTION OF THE SUN OVER THE WEEKEND, AND MORE MAY BE SHOWING UP IN THE NEXT FEW DAYS. ITS PROGRESS CAN BE FOLLOWED BY LISTENING TO INFORMATION GIVEN BY WWV AT 18 MINUTES AFTER EACH HOUR.

DESPITE THE LOW SOLAR FLUX, PROPAGATION WAS FAIRLY GOOD LAST WEEK, EXCEPT THAT BANDS ABOVE 21 MHZ MAY HAVE BEEN MARGINAL FOR DX USE AT TIMES WHEN SPORADIC E SKIP WAS IN. IT MAY HAVE BEEN MUCH OF THE TIME AND IT WILL BE WITH US OFTEN WELL INTO JULY, AT LEAST.

E SKIP IS USEFUL FOR MEDIUM DISTANCE WORK ON 28 AND 50 MHZ, AND IT MAY SHOW UP ON 144 MHZ AT TIMES, ESPECIALLY IN JUNE AND EARLY JULY. IT IS LIKELY TO BE VERY ERRATIC AND SHORT LIVED ON 144 MHZ.

AMERICAN SUNSPOT NUMBERS FOR JUNE 14 THROUGH 20 WERE BETWEEN 67 AND 125 WITH A MEAN OF 95.4. AR

--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

Date: 25 Jun 90 14:35:53 GMT
From: usc!samsung!cg-atla!raybed2!ewb@ucsd.edu (EUGENE BALINSKI)
Subject: ATV BALLOON LAUNCH (Northeastern USA)
To: info-hams@ucsd.edu

WB8ELK's BALLOON Launch carrying LIVE ATV is going on as scheduled. The launch net will be on 40 meters LSB 7155 KHz. "CAP COMM" will be WA3USG. Net will commence at 8:30 AM EDT with launch expected at 9:00 AM EDT. Video will be on 439.25 (CABLE CH 60). Beacon frequency 144.34.

Bill (WB8ELK) is inviting everyone out to the launch sight to view the launch. Bill is also in need of some people with FOX HUNTING skills to help with the recovery. If you can help please contact him direct at 73 Mag Phone: 603-525-4201.

If you view the video or hear the beacon please get in touch with Bill. He will certainly want to get reception reports.

73
Gene WA1UXA

Note: Bill's Packet address is WB8ELK @ WA1WOK.NH.USA.NA

Date: Tue, 26 Jun 90 08:38 MET
From: "Cor Posch, A.M.C. Amsterdam" <POSCH%AMC.UVA.NL@CUNYVM.CUNY.EDU>
Subject: Denmark & Holland
To: INFO-HAMS@WSMR-SIMTEL20.ARMY.MIL

In article <1990jun21>att!cbnewsj!mea1@ucbvax.Berkeley.EDU (michael.e.alterman) writes:

>We are planning a vacation to Denmark and the Netherlands this summer.
>My wife and I are both licensed hams and we would like to bring our HT
>and or mobile transceiver with us. (ICOM-IC24AT and 3210, USA models)
>We would like to use them to meet local hams, as well as for travel advice.
>Are there repeaters on 2M and 440 MHz around those countries as there are here,
>and will our current equipment be fine for accessing them, or do they have
>different requirements for access, such as special tones, or different offsets?

The repeaters in Holland are all located in the 145.6 - 145.775 region, and most of them do not require a tone burst to start them up. The offset is as in the US, -600 Kc for the input frequency. On 70cm most of the repeaters are in the 430.000 - 430.500 region, requiring a +1.6Mc shift for the input frequency. Remember the bandplan is a lot smaller in Holland for 2m and 70cm as it is in the US, but you can easaly find that your reciprocal license (I guess).

>Are the operating procedures on VHF/UHF repeaters similar to in the USA?

When I was over in the US, I noticed no big differences, so I guess they are the same.

>Can we obtain directories of repeaters, before we leave home.

It'll be probably (again) in your receprocal license agreement, but if not, I'm quite willing to help you out.

>What is the required procedure for reciprocal operating privileges?

As I did for Canada and the US, request one. The address, I think, you can use for Holland is:

HDTP/ Directie Operationele Zaken
Postbus 450
9700 AL Groningen
The Netherlands.

Include to speed up the procedure, copies of your US licenses. As noted before, you might have to pay for your license(s)!

>Please reply via email, if possible.

Why personaly, I think it could be of interest for a wider audiance too.

Hope to hear you.

Cor Posch, PA3DYW
POSCH@AMC.UVA.NL

Date: 25 Jun 90 13:52:33 GMT
From: apctrc!gpss5!zslf0a@uunet.uu.net (Steven L. Farmer)
Subject: Dubious quality of CQ review of AEA IsoLoop
To: info-hams@ucsd.edu

In article <42200@apple.Apple.COM> kchen@Apple.COM (Kok Chen) writes:
>Theoretical arguments against small antennas are very compelling. (The

Well, I dunno. One of my antenna references (_Antenna Theory and Design_, W. Stutzman, G. Thiele) does an analysis of a circular loop 0.2 wavelengths in circumference at 1 MHz. The calculated impedance is 0.316+j285.8. With copper wire with a conductivity of 5.7E-07 mhos/m, the total input resistance is calculated at 0.324 ohms. This yields an efficiency of 97.5%. Not bad. The horizontal radiation pattern (free space) is only slightly inferior to a dipole in its most favored direction. Again, not bad.

Of course, losses in any network used for matching to the transmission line aren't considered in this. But it still indicates that small loops *might* work pretty well. Whether the AEA job does or not is still an open question. Hopefully, someone out there will actually TEST one and let the rest of us know.

73's - Steve WA5RPF

Date: 25 Jun 90 13:15:30 GMT
From: att!tsdiag!davet@ucbvax.Berkeley.EDU (Dave Tiller N2KAU)
Subject: Ham calls seen in horrible movie

To: info-hams@ucsd.edu

In article <1990Jun20.191715.20514@cbnewsc.att.com> tedk@cbnewsc.att.com (ted.g.kekatos) writes:
>In article <1014@tsdiag.ccur.com> davet@tsdiag.ccur.com (Dave Tiller N2KAU) writes:
>|
>|On the late, late, way-late movie the other night on NY channel 7 there
>|was shown a movie starring Larry Hagman as a chivalrous helicopter pilot
>
>But, what was the name of this movie? I want to rent it!
>

Ah hah! Another fan of good bad movies! I think it was called "Dangerous Rescue." It was produced by Zarkoff. We (Jim Blakey and I) use our own rating scheme:

```
     good/good : Star Wars, Die Hard, etc.  A movie that tries to be
              a good movie and succeeds.
     bad/good  : Out Of Africa (IMHO), Star Trek V. A movie that tries
              to be a good movie and fails.
     good/bad  : Toxic Avenger, Killer Klowns.  A movie intended to be
              bad that succeeds.
     bad/bad   : Toxic Avenger II, etc. A movie intended to be bad that
              fails.  These are the most painful to watch.
```

See ya at the bad movies! (too bad I can't use my ATV setup to broadcast them locally.)

```
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

Date: 26 Jun 90 06:17:05 GMT
From: netnews.upenn.edu!eniac.seas.upenn.edu!depolo@rutgers.edu (Jeff DePolo)
Subject: Homebrew repeater controllers
To: info-hams@ucsd.edu

In article <7880166@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>Just a word of caution - disk drives are less rugged than most electronics.
>If the controller spends most of it's time in an air-conditioned shack, it
>should be fine. :-)
>
>Perry Scott

IMHO, using a PC as a repeater controller is a good idea, and shouldn't be difficult to implement. PC's are nice because most of the hard work that would normally have to be done in hardware in a non-CPU based repeater can be done in software. Access codes can be easily changed, PROMS don't have to be burned for different CW ID's, the ID's themselves can be generated by the computer, etc. The way I see it, the above caveat can easily be remedied by not using floppy drives/a hard drive in normal operation. The system should be set up so that upon booting, both the control software and all data necessary to run the repeater, including the custom control codes, ID's, messages, etc. should all be loaded into memory to prevent unnecessary use of the disk drive and also to increase speed. But that's probably pretty obvious. I can't think of any real reason why the computer would have to write anything to disk as the repeater is used. What's there to be logged that easily be converted to a digital format that's of any use?

BTW, most of the interfacing can probably be done without having to directly communicate with the computer byte-wise. Control lines on the RS232 port make handy binary lines. Having the computer set lines high is a quick and efficient way of flipping relays, keying CW, etc. They can be used as input as well - have a receiver set the line high when a signal opens squelch. It's a lot easier than having to read and write 8 bits on the data lines and allows for more than one device to be connected to the computer unlike 2-device serial communications. And if one port isn't enough, another serial port can be added for about $25. A stripped-down single-floppy XT clone with 2 serial ports should cost less than $500 new, probably under $300 used. If money is really tight, use as C64 (ick) or trash-80.

About the only "real" communications that would be necessary would be getting DTMF tones from the receiver to the computer. That shouldn't be all that difficult either. Less than 5 chips in actuality. Take a DTMF decoder and a UART and you're 99% done. Things like detecting S/N for voting or detecting PL might be a bit more difficult, but they would be necessary in a non-computer-based repeater anyway. Control of the repeater would be simple - just tack on a modem.

If you do decide to go through with the project, keep us posted. I'd be interested in hearing how you went about the whole project. I'm sure it's been done many other times before, but it would still be interesting.

--- Jeff

```
+------------------------+-----------------------------------------------------+
| Jeff DePolo N3HBZ/AA   | Internet: depolo@eniac.seas.upenn.edu               |
| Univ. of Pennsylvania  | RF: 146.685- 224.40- 442.70+ 144.455s (Philadelpia) |
| Computer Science Eng.  | Twisted pair: (215) 386-7199 home                   |
|     Class of 1991      | Carrier pigeon: 420 South 42nd St. Philly, PA 19104 |
+------------------------+-----------------------------------------------------+
```

Date: 25 Jun 90 21:21:32 GMT
From: crdgw1!trub@uunet.uu.net (Donald P Perley)
Subject: How to buy a QSO, 20 M mess, etc...
To: info-hams@ucsd.edu

In article <1990Jun25.144036.27405@dg-rtp.dg.com>, harrism@aquila (Mike Harris) writes:

>I, personally, wouldn't mind it if omnidirectional antennas were also illegal.
>Why should anybody expect to own a frequency in *every* direction. I'd be
>happy, though, to just have a lower power limit. One can do *so* much with
>antenna's - it's amazing.

>We'd have *alot* more room on our bands if people used directional antennas
>and ran reduced power. The latter would force the fomer somewhat.

It sure would cut down on the round-table QSO's & networks.

Oh, and the mobile operators might think it was a bit of an imposition.

I would think that Kilowatt ops are more likely to have a beam & tower already. Either they have more money to spend, or are willing to spend more of what they have on the hobby.

We have a lot more room with most people running SSB rather than AM, but we didn't have to legislate to accomplish it. People switched for their own reasons (like more bang for the watt).

-don perley - ke2tp

perley@trub.crd.ge.com

Date: 25 Jun 90 13:35:50 GMT
From: rochester!rit!cci632!cep@rutgers.edu (co-op)
Subject: HR mag
To: info-hams@ucsd.edu

In article <1990Jun23.042526.6014@maverick.ksu.ksu.edu> steve@matt.ksu.ksu.edu (Steve Schallehn) writes:
>
>I wonder if QEX from the ARRL is any good as an experimentation magazine?
>Someone has to come out with a new HR! Someone has to!
>
>-Steve Schallehn, KB0AGD

Not really. My club just got its renewal notice for QEX and I have decided not to renew it. (We are an ARRL-affiliated club, by the way, which has some *teriffic* benefits).

My problem with QEX is redundancy. I have seen an article that says, "Let's have fun and build a 20-meter cw portable tranceiver that works on a 9-volt battery!" SOOOOO many times - this is the sort of thing that belongs in the handbook, and not to pop up in QEX two or three times a year.

Chris WZ2B

--
Christopher E. Piggott, WZ2B   (ex-N2JGW)

President - Rochester Institute of Technology Amateur Radio Club K2GXT
cs.rochester.edu!cci632!ccird7!cep or uunet!ccicpg!cci632!ccird7!cep

----

Date: Mon, 25 Jun 90 14:31:17 CDT
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Subject: Making Ham Radio Known
To: infohams@flopn2.csc.ti.com

> From: TILDE::"ajs@hpfcdc.HP.COM" "Alan Silverstein" 24-JUN-1990 01:31:25.18
> To: info-hams-incoming
> Subj: Re: Making ham radio known
>
> > Think about what you do in ham radio. Do you yak with your friends on
> > the way to work on the 2-meter repeater?
>
> Well I've only been Tech-licensed a week and a half, but one thing I do
> is help people make phone calls to friends from the top of 14000'
> mountains. If that doesn't stimulate interest, I dunno what will.
>

OK, you've made a positive contribution right there, only two weeks out of
the mailbox. (Congrats, BTW!)

Anything a ham does for the public, whether its a courtesy phone patch/remote call, or getting help to someone stranded in a flood or earthquake, is on the plus side.

We need all of that we can get. Good show.

Now. Were those folks (since they were up on a mountain...) part of a club or organization (climbing club, environmentalist organization, whatever?)

Is there a way you can arrange for a presentation at one of their meetings about ham radio? If not yourself, maybe someone from your radio club is not uncomfortable in front of a strange group...

SYSMSGSBE-W-WARNING: SOAPBOX MODE ENGAGED...

That's a little more agressive, and I think that is what Patty and some of us were looking for. I unfortunately, between work and running code practice for the club and helping out with the VE team have plenty to do. If I had about three more nights per week, I'd like to seek out new life and new civi-... oops... new organizations that need programs and present to Lion's Club and Elks and Shriner's and Ladies' Auxiliary of the Volunteer Fire Department... and present ham radio as it is (or as we hope it to be!)

Two things are possible if you do that right...

(1) Jane and John Q. Public know FOR REAL what ham radio is, not what rumor and misinformation make of it, and
(2) SOMEBODY might get interested.

(2) is nice, but they're not going to beat your door down. (1) builds a

firm foundation on which (2) can build from.

Maybe, maybe not. But it sure can't hurt...if it's done well.

SYSMSGSBE-I-NOTICE: SOAPBOX MODE TERMINATED.

Have fun with your new license. Go try all the neat things you can do, and if you can do a favor for a friend or a stranger, let 'em know it was a HAM who did it!

73,

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                          !   "In order to accomplish the
 Bob West WA8YCD                 !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM        !    the absurd!"
                                 !       -- Miguel de Animo y Jugo
 P. O. Box  863069               !
 Plano Texas 75086               !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

Date: 25 Jun 90 21:56:32 GMT
From: n8emr!gws@tut.cis.ohio-state.edu (Gary Sanders)
Subject: RTTY DX Notes, 6/22/90
To: info-hams@ucsd.edu

```
==============================================================
|         Relayed from packet radio via                  |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ RTTYDX $RTDX0622
RTTY DX Notes, 1of3, 6/22/90

RTTY DX Notes for Weekending 22nd June 1990.
Part 1 of 3.
BID: $RTDX0622

The ANARTS contest has come and gone, and if you thought that the propagation was poor for that weekend, you should have a look at it now. Even the intruders are missing. But we have received some logs, and from some of the scores there was little to complain about. Keep the logs coming, chaps.

Our thanks this week go to I5FLN, I5ICY, I5IGQ, OD5NG, PJ2MI, TG9VT, VK2EG, W2JGR and the Tri-State DX Association VHF packet cluster. Thank you all for your assistance. Every little bit helps.

Bandpass:

Friday 15:

ED9CI	14083	at	0001Z	QSL/Note
KR6N/KP4	14087	at	0034Z	
FO5EM	14081	at	0610Z	
VR6WH	14088	at	0655Z	
BV2HC	14087	at	1252Z	
PJ2WOL	14074	at	1407Z	ARQ
CU2AT	14090	at	1642Z	
HK0BKX	21090	at	2110Z	QSL
T5RM	14074	at	2114Z	QSL/ARQ

Continued in part 2.
/EX
SB RTTYDX @ RTTYDX $RTDX0623
RTTY DX Notes, 2of3, 6/22/90

RTTY DX Notes for Weekending 22nd June 1990.
Part 2 of 3.
BID: $RTDX0623

Saturday 16:

FY5DG	14090	at	0040Z	QSL
SU1HN	14083	at	0305Z	QSL
ED9CI	14091	at	0310Z	
HK0BKX	14088	at	0335Z	
V31AR	14075	at	0400Z	ARQ
EA6BH	14078	at	0703Z	
9M2AX	14085	at	1138Z	
FM2WL	14086	at	1159Z	
YB0GI	14093	at	1329Z	
HS1BV	21091	at	2005Z	
EA9MY	14083	at	2257Z	

Sunday 17:

ED9CI	14091	at	0036Z
J28TY	14089	at	0252Z
UZ3AWP	14088	at	0410Z
UQ2HO	14088	at	0703Z
HI8BJ	14089	at	1240Z
PP8DA	21089	at	1528Z
5N0ETP	21089	at	1532Z
CU2CB	21090	at	1556Z
VR6WH	14089	at	1725Z
SV5TS	14082	at	1957Z
EA9MY	14081	at	2252Z

Monday 18:

UZ3AWP	14081	at	0605Z
J28TY	21090	at	1400Z
9Q5BG	21084	at	1742Z

KC5RY/HP1	14074	at	2000Z	ARQ
6Y5EW	14074	at	2055Z	ARQ
YL1WW	21084	at	2116Z	

Tuesday 19:

J73WA	14086	at	0149Z
YL1WW	14090	at	0300Z
FY4FS	14088	at	0537Z
LY1BYL	14086	at	2027Z
RF1F/UA3TT	14082	at	2322Z
V44KW	14088	at	2339Z

Continued in part 3.
/EX
SB RTTYDX @ RTTYDX $RTDX0624
RTTY DX Notes, 3of3, 6/22/90

RTTY DX Notes for Weekending 22nd June 1990.
Part 3 of 3.
BID: $RTDX0624

Wednesday 20:

LY2WW	21083	at	0235Z	
RA3AL	14097	at	0345Z	
EA6MQ	14097	at	0518Z	QSL
KL7KJ	14087	at	0522Z	
VR6WH	14089	at	0635Z	
PJ2MI	14074	at	1040Z	ARQ
ES2WX	14084	at	1153Z	
UA9EAL	14085	at	1352Z	
BV4VB	21088	at	1745Z	
PZ1DZ	14084	at	2338Z	

Thursday 21:

UQ2HO	14089	at	0348Z
J73EH	14082	at	0440Z
EA6MQ	14088	at	0516Z

QSL Information:

ED9CI says to QSL via EA9KQ.

T5RM will QSL via HB9RTR, 134 Saules, 1233 Bernex, Switzerland.

HK0BKX (San Andres) via WB9NUL.

FY5DG is at Box 450, Kouru, French Guyana.

SU1HN will QSL via Box 1578, Alf Maskan, Cairo.

EA6MQ will QSL via his Callbook address.

Notes of Interest:

ED9CI was the station that was reported last week as having the callsign of AN9CI. The call was changed at the last moment, but it was still Aure on Chafarinas Island.

YL1WW is in Riga, USSR. No further information at this time.

TV9GIR will be a special call from Margaux Island (north of Bordeaux) on June 23/24. They will operate all bands and modes (including CW on 10 MHz). QSL via FD1MRE or via the bureau.

We appear to be a little short of information this week, but propagation has been very poor, and someone has taken Africa off the map.

GL DE DX1 (VK2EG) VIA TG9VT.

Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA. Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.
/EX
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

Date: Mon, 25 Jun 90 21:36 CDT
From: John.Perry.-.KG5RG@mbian.gal.utexas.edu
Subject: startup message
To: INFO-HAMS@ucsd.edu

startup message

Date: 25 Jun 90 19:47:54 GMT
From: hpfcso!hpfcdc!perry@hplabs.hpl.hp.com (Perry Scott)
Subject: Strange RFI
To: info-hams@ucsd.edu

>Is there a television set operating nearby? I get all kinds of RFI from my TV,
>and a bit from the neighbors'. The horizontal oscillator operates at
>15.734 KHz.

Yeah, I get this one, too. Lessee - 30 Mhz is on about the 2000th harmonic. That's a sharp sawtooth indeed ! Can I put a ferrite bead on a wire somewhere in the telly to get rid of this ?

My wife finds it ironic she QRMs me as much as I QRM her. :-)

Perry

x.Berkeley.EDU (5.63/1.41)
     id AA26315; Mon, 25 Jun 90 21:10:32 -0700
Received: from USENET by ucbvax.Berkeley.EDU with netnews
     for info-hams-ddn@ucsd.edu (info-hams@ucsd.edu)
     (contact usenet@ucbvax.Berkeley.EDU if you have questions)
Date: 25 Jun 90 20:18:49 GMT
From: hpfcso!hpfcdc!perry@hplabs.hpl.hp.com (Perry Scott)
Organization: HP Ft. Collins, Co.
Subject: Re: The Demise of HR Magazine and Comments on CQ
Message-Id: <7880165@hpfcdc.HP.COM>
References: <2480@kodak.UUCP>
Sender: info-hams-relay@ucsd.edu
To: info-hams@ucsd.edu

>I see a lot of people p*ssing and moaning about the lack of technical
>material. I _don't_ see those people writing and submitting articles.
>
>Jon Bloom, KE3Z

I agree. Magazines don't dream up this stuff - we do. When was the last time you did something original ? If you have a better, cheaper, faster way to do something and don't publish, it's as if you never thought of it at all.

What about me ? I'm working on a cheaper soft-start for high-power (tube) RF amps. Does one already exist ? I don't know - I haven't seen one yet.

By the way, I find this newsgroup to be a powerful counter point to the regular mags. We can say what we want against CQ and QST in an uneditted manner. We can also exchange ideas in a way not possible via a magazine. I even find technically useful information, despite the lack of graphics.

Perry Scott, KF0CA

Date: Mon, 25 Jun 90 21:28 CDT
From: John.Perry.-.KG5RG@mbian.gal.utexas.edu
Subject: test
To: INFO-HAMS@ucsd.edu

test

Date: 25 Jun 90 16:38:38 GMT
From: hpcc01!col!bobw@hplabs.hpl.hp.com (Bob Witte)

Subject: The Demise of HR Magazine and Comments on CQ
To: info-hams@ucsd.edu

Re: Goodbye Ham Radio Magazine

* I said goodbye to HR some time ago. I feel that they lost the formula that made them successful. The magazine appealed to the more technical portion of the amateur radio population. About three or four years ago, I think they forgot this fact and started watering down their technical content. I had written a couple of articles for them and conversations with their editors began to center more on sure fire idiot proof construction and less on technical content (IMHO). At that point I pulled the plug on my subscription, so I have no recent experience with HR.

* Wireless World is a really interesting magazine. It has a great mix of electrical engineering, amateur radio, general electronics hobbyist stuff, basic theory and pseudo-science. The downside is 1) ads are for UK products 2) prices are in pounds 3) words like color are spelled 'colour' 4) expensive in the US.

```
-------------------------------------------------------------------
Bob Witte              HP Colorado Springs Division
bobw@col.hp.com        P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO  80901
Radio: KB0CY           Packet: kb0cy@w0lkd
-------------------------------------------------------------------
```

Date: 25 Jun 90 21:44:24 GMT
From: att!cbnewsc!tedk@ucbvax.Berkeley.EDU (ted.g.kekatos)
Subject: Wanted: TRS-80 Model 100 software - packet radio
To: info-hams@ucsd.edu

Wanted: Software for Radio Shack TRS-80 Model 100

* Terminal program for packet radio TNC (split screen?)
* Amateur Radio speciality programs

Send info/program source to:

Ted G. Kekatos   N9IXE
UUCP: ..!att!ihlpl!tedk
INTERNET: tedk@i88.isc.com
(708) 979-0804

End of Info-Hams Digest
****

Date: 25 Jun 90 13:43:47 GMT
From: dg!lewine@uunet.uu.net (Don Lewine)
Subject: ARRL NR 21: FIELD DAY POINTS
To: info-hams@ucsd.edu

Does copying the ARRL message via usenet count?

Date: 26 Jun 90 08:23:39 GMT
From: cs.utexas.edu!swrinde!emory!ogicse!milton!cfogg@tut.cis.ohio-state.edu
(Chad Fogg)
Subject: HDTV and Waveform Modulation
To: info-hams@ucsd.edu

A new term to add to the HDTV glossary, waveform modulation is given a brief mention in the July 1990 issue of _Video_Magazine_, page 50.

According to the article, Production Services, Inc. of Tuscon, Arizona claims they can "squeeze a full-blown HDTV signal and a conventional NTSC signal within the same 6 MHz frequency channel" by using "a new modulation technology to add information to the spectrum without interference."

Richard Gerdes, PSI co-founder, explains that their technique "alters the shape of the carrier and transmits the result of that altered wave shape."

At the NTSC level:

> PSI gas already developed a commercial product using waveform modulation for NTSC broadcasts: an encoder and decoder that allows an NTSC station to broadcast two channels simultaneously from one transmitter. "You could tune to channel 4A or 4B using the decoder," Gerdes says. The FCC has already granted an experimental license for channel 11 in Tuscon, a Fox Network affiliate, to begin testing the system.

Article aside, has anyone in Tuscon seen this? Any elaborations on waveform modulation; PSI's technology?   And does WM have implications for other EM-based communications?

Date: 25 Jun 90 13:40:15 GMT
From: dg!lewine@uunet.uu.net (Don Lewine)

Subject: How to buy a QSO
To: info-hams@ucsd.edu

In article <1990Jun22.221444.25178@ecn.purdue.edu> wb9omc@ea.ecn.purdue.edu (Duane P Mantick) writes:
>>>From: k4bnc@cbnewsh.att.com (john.a.siegel)
> One time I had the satisfaction of turning this situation
> around. I was sitting with my measly 20 watts on top of
> a mountain in the Smokies and encountered a pileup with
> a New Zealand ham - I put up my call at the appropriate
> time and he responded immediately. He didn't believe that
> I was running a Uniden 2510 with no amp and told me I was
> not only 59+ but louder than some fellows who told him they
> were running about 1 KW! Made me feel just *fine*.

That is correct. The difference between 20 watts and 1000 watts is 13 db or about 2 S-units. A good antenna in a good QTH can make much more of a difference. The difference between someone that the gods of propagation are smiling on and someone that they are not can be 60 db or more.

I remember on night working about 50 east european stations in a row. They said that I was the only W/K station that they could hear. This was not due to monster antennas or high power. It was mostly the dumb luck of being exactly where the opening was. Sill, it was great to be the target of a pileup for once.

P.S. My attitude to DXCC is, if I happen to work them great, if not, no big deal. I have about 125 confirmed countries. Almost all of them came back on the first or second call and QSL via the buro. After all, ham radio should be fun. If you are not having fun do something else.

--73,
WB2UMF

End of Info-Hams Digest
****

From 5519049287127969759
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2d8fc9ee48b197f4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 10:21:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!bionet!ames!aplvax!ames!lll-winken!uunet!decwrl!ucbvax!mbian.gal.utexas.edu!John.Perry.-.KG5RG
From: /dev/null@ucsd.edu (Info-Hams Mailing List and Newsgroup)
Newsgroups: rec.ham-radio
Subject: Info-Hams Digest V1 #43
Message-ID: <9006261130.AA29342@ucsd.edu>
Date: 26 Jun 90 11:30:05 GMT
Sender: daemon@ucbvax.BERKELEY.EDU

Reply-To: Info-Hams@UCSD.Edu
Organization: The Internet
Lines: 921
Posted: Tue Jun 26 12:30:05 1990
To: Info-Hams@ucsd.edu
X-Envelope-to: perry

Info-Hams Digest   Tue, 26 Jun 90   Volume 90 : Issue 43

Today's Topics:
       (From: IN%"Info-Hams@UCSD.Edu") Info-Hams Digest V1 #42

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

Date: Tue, 26 Jun 90 06:02 CDT
From: John.Perry.-.KG5RG@mbian.gal.utexas.edu
Subject: (From: IN%"Info-Hams@UCSD.Edu") Info-Hams Digest V1 #42
To: INFO-HAMS@ucsd.edu

Received: from nic.the.net by mbian.gal.utexas.edu; Tue, 26 Jun 90 06:00 CDT
Received: from ucsd.edu by nic.the.net; Tue, 26 Jun 90 06:00 CDT
Received: by ucsd.edu; id AA16701 sendmail 5.64/UCSD-2.1-sun Tue, 26 Jun 90
 02:30:38 -0700
Received: by ucsd.edu; id AA16644 sendmail 5.64/UCSD-2.1-sun Tue, 26 Jun 90
 02:30:20 -0700 for /usr/lib/sendmail -oc -odb -oQ/var/spool/lqueue -oi
 -finfo-hams-relay info-hams-list
Date: Tue, 26 Jun 90 02:30:14 PDT
From: Info-Hams Mailing List and Newsgroup </dev/null@ucsd.edu>
Subject: Info-Hams Digest V1 #42
To: Info-Hams@ucsd.edu
Reply-to: Info-Hams@UCSD.Edu
Message-id: <9006260930.AA16644@ucsd.edu>
X-Envelope-to: perry

Info-Hams Digest   Tue, 26 Jun 90   Volume 90 : Issue 42

Today's Topics:
       (From: IN%"Info-Hams@UCSD.Edu") Info-Hams Digest V1 #41
                     ARRL NR 21: FIELD DAY POINTS
                     HDTV and Waveform Modulation
                           How to buy a QSO

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>

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Date: Tue, 26 Jun 90 03:11 CDT
From: John.Perry.-.KG5RG@mbian.gal.utexas.edu
Subject: (From: IN%"Info-Hams@UCSD.Edu") Info-Hams Digest V1 #41
To: INFO-HAMS@ucsd.edu

Received: from nic.the.net by mbian.gal.utexas.edu; Tue, 26 Jun 90 03:10 CDT
Received: from ucsd.edu by nic.the.net; Tue, 26 Jun 90 03:10 CDT
Received: by ucsd.edu; id AA08976 sendmail 5.64/UCSD-2.1-sun Tue, 26 Jun 90
 00:00:23 -0700
Received: by ucsd.edu; id AA08886 sendmail 5.64/UCSD-2.1-sun Tue, 26 Jun 90
 00:00:09 -0700 for /usr/lib/sendmail -oc -odb -oQ/var/spool/lqueue -oi
 -finfo-hams-relay info-hams-list
Date: Tue, 26 Jun 90 00:00:05 PDT
From: Info-Hams Mailing List and Newsgroup </dev/null@ucsd.edu>
Subject: Info-Hams Digest V1 #41
To: Info-Hams@ucsd.edu
Reply-to: Info-Hams@UCSD.Edu
Message-id: <9006260700.AA08886@ucsd.edu>
X-Envelope-to: perry

Info-Hams Digest Tue, 26 Jun 90 Volume 90 : Issue 41

Today's Topics:

... Teaching Science, etc.
arrl PFB 26
ATV BALLOON LAUNCH (Northeastern USA)
Denmark & Holland
Dubious quality of CQ review of AEA IsoLoop
Ham calls seen in horrible movie
Homebrew repeater controllers
How to buy a QSO, 20 M mess, etc...
HR mag
Making Ham Radio Known
RTTY DX Notes, 6/22/90
startup message
Strange RFI
test
The Demise of HR Magazine and Comments on CQ
Wanted: TRS-80 Model 100 software - packet radio

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>

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(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

Date: Mon, 25 Jun 90 15:24:27 CDT
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Subject: ... Teaching Science, etc.

To: infohams@flopn2.csc.ti.com

> From: TILDE::"BRUCEH@UTKVX3.BITNET" 25-JUN-1990 15:01:53.93
> To: info-hams-incoming
> Subj: HR/CQ, Teaching Science, etc.
>
> one of the best ways to support science education is to become INVOLVED
> in the science fair programs in a local school. If they don't have one
> start one (with the help of the local school). One has to be careful
> not to step on the toes of the local science teachers, principles, etc.
> but I've found them to be open to ideas, HELP, etc. We raised money for

Maybe one slightly different tack is to approach the TEACHERS, make resources
and training availble to them, and offer to assist with transferring it to
the students.

I get the impression a lot of teachers feel tied up with budget constraints
and administrative policy.

If you can get one teacher interested in ham radio, that might lead to getting
a dozen students involved...

Just a thought!!

73,
Bob

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                        !   "In order to accomplish the
 Bob West WA8YCD               !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM      !    the absurd!"
                               !       -- Miguel de Animo y Jugo
 P. O. Box  863069             !
 Plano Texas 75086             !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

Date: 25 Jun 90 22:00:20 GMT
From: n8emr!gws@tut.cis.ohio-state.edu (Gary Sanders)
Subject: arrl PFB 26
To: info-hams@ucsd.edu

```
==============================================================
|        Relayed from packet radio via                |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

ZCZC AP30
PROPAGATION FORECAST BULLETIN 26 ARLPP026
FROM ED TILTON, W1HDQ
SPRING HILL FL JUNE 25, 1990

TO ALL RADIO AMATEURS

THE SOLAR FLUX WAS OFF TO A GOOD START EARLY IN JUNE, BUT IT PEAKED AT 217 ON THE 12TH. THIS WAS 51 POINTS BELOW THE YEARS HIGH OF 268 SET ONE MONTH EARLIER. THE SOLAR FLUX THEN SLID BACK TO 133 BY THE 23RD. IT ROSE A BIT ON THE 24TH AND IT MAY BE ON ITS WAY TO HIGHER LEVELS THIS WEEK.

SOME NEW ACTIVITY WAS SEEN IN THE EASTERN PORTION OF THE SUN OVER THE WEEKEND, AND MORE MAY BE SHOWING UP IN THE NEXT FEW DAYS. ITS PROGRESS CAN BE FOLLOWED BY LISTENING TO INFORMATION GIVEN BY WWV AT 18 MINUTES AFTER EACH HOUR.

DESPITE THE LOW SOLAR FLUX, PROPAGATION WAS FAIRLY GOOD LAST WEEK, EXCEPT THAT BANDS ABOVE 21 MHZ MAY HAVE BEEN MARGINAL FOR DX USE AT TIMES WHEN SPORADIC E SKIP WAS IN. IT MAY HAVE BEEN MUCH OF THE TIME AND IT WILL BE WITH US OFTEN WELL INTO JULY, AT LEAST.

E SKIP IS USEFUL FOR MEDIUM DISTANCE WORK ON 28 AND 50 MHZ, AND IT MAY SHOW UP ON 144 MHZ AT TIMES, ESPECIALLY IN JUNE AND EARLY JULY. IT IS LIKELY TO BE VERY ERRATIC AND SHORT LIVED ON 144 MHZ.

AMERICAN SUNSPOT NUMBERS FOR JUNE 14 THROUGH 20 WERE BETWEEN 67 AND 125 WITH A MEAN OF 95.4. AR

--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

Date: 25 Jun 90 14:35:53 GMT
From: usc!samsung!cg-atla!raybed2!ewb@ucsd.edu (EUGENE BALINSKI)
Subject: ATV BALLOON LAUNCH (Northeastern USA)
To: info-hams@ucsd.edu

WB8ELK's BALLOON Launch carrying LIVE ATV is going on as scheduled. The launch net will be on 40 meters LSB 7155 KHz. "CAP COMM" will be WA3USG. Net will commence at 8:30 AM EDT with launch expected at 9:00 AM EDT. Video will be on 439.25 (CABLE CH 60). Beacon frequency 144.34.

Bill (WB8ELK) is inviting everyone out to the launch sight to view the launch. Bill is also in need of some people with FOX HUNTING skills to help with the recovery. If you can help please contact him direct at 73 Mag Phone: 603-525-4201.

If you view the video or hear the beacon please get in touch with Bill. He will certainly want to get reception reports.

73
Gene WA1UXA

Note: Bill's Packet address is WB8ELK @ WA1WOK.NH.USA.NA

Date: Tue, 26 Jun 90 08:38 MET
From: "Cor Posch, A.M.C. Amsterdam" <POSCH%AMC.UVA.NL@CUNYVM.CUNY.EDU>
Subject: Denmark & Holland
To: INFO-HAMS@WSMR-SIMTEL20.ARMY.MIL

In article <1990jun21>att!cbnewsj!mea1@ucbvax.Berkeley.EDU (michael.e.alterman) writes:

>We are planning a vacation to Denmark and the Netherlands this summer.
>My wife and I are both licensed hams and we would like to bring our HT
>and or mobile transceiver with us. (ICOM-IC24AT and 3210, USA models)
>We would like to use them to meet local hams, as well as for travel advice.
>Are there repeaters on 2M and 440 MHz around those countries as there are here,
>and will our current equipment be fine for accessing them, or do they have
>different requirements for access, such as special tones, or different offsets?

The repeaters in Holland are all located in the 145.6 - 145.775 region, and most of them do not require a tone burst to start them up. The offset is as in the US, -600 Kc for the input frequency. On 70cm most of the repeaters are in the 430.000 - 430.500 region, requiring a +1.6Mc shift for the input frequency. Remember the bandplan is a lot smaller in Holland for 2m and 70cm as it is in the US, but you can easaly find that your reciprocal license (I guess).

>Are the operating procedures on VHF/UHF repeaters similar to in the USA?

When I was over in the US, I noticed no big differences, so I guess they are the same.

>Can we obtain directories of repeaters, before we leave home.

It'll be probably (again) in your receprocal license agreement, but if not, I'm quite willing to help you out.

>What is the required procedure for reciprocal operating privileges?

As I did for Canada and the US, request one. The address, I think, you can use for Holland is:

HDTP/ Directie Operationele Zaken
Postbus 450
9700 AL Groningen
The Netherlands.

Include to speed up the procedure, copies of your US licenses. As noted before, you might have to pay for your license(s)!

>Please reply via email, if possible.

Why personaly, I think it could be of interest for a wider audiance too.

Hope to hear you.

Cor Posch, PA3DYW
POSCH@AMC.UVA.NL

Date: 25 Jun 90 13:52:33 GMT
From: apctrc!gpss5!zslf0a@uunet.uu.net (Steven L. Farmer)
Subject: Dubious quality of CQ review of AEA IsoLoop
To: info-hams@ucsd.edu

In article <42200@apple.Apple.COM> kchen@Apple.COM (Kok Chen) writes:
>Theoretical arguments against small antennas are very compelling. (The

Well, I dunno. One of my antenna references (_Antenna Theory and Design_, W. Stutzman, G. Thiele) does an analysis of a circular loop 0.2 wavelengths in circumference at 1 MHz. The calculated impedance is 0.316+j285.8. With copper wire with a conductivity of 5.7E-07 mhos/m, the total input resistance is calculated at 0.324 ohms. This yields an efficiency of 97.5%. Not bad. The horizontal radiation pattern (free space) is only slightly inferior to a dipole in its most favored direction. Again, not bad.

Of course, losses in any network used for matching to the transmission line aren't considered in this. But it still indicates that small loops *might* work pretty well. Whether the AEA job does or not is still an open question. Hopefully, someone out there will actually TEST one and let the rest of us know.

73's - Steve WA5RPF

Date: 25 Jun 90 13:15:30 GMT
From: att!tsdiag!davet@ucbvax.Berkeley.EDU (Dave Tiller N2KAU)
Subject: Ham calls seen in horrible movie
To: info-hams@ucsd.edu

In article <1990Jun20.191715.20514@cbnewsc.att.com> tedk@cbnewsc.att.com (ted.g.kekatos) writes:
>In article <1014@tsdiag.ccur.com> davet@tsdiag.ccur.com (Dave Tiller N2KAU) writes:
>|
>|On the late, late, way-late movie the other night on NY channel 7 there
>|was shown a movie starring Larry Hagman as a chivalrous helicopter pilot
>

>But, what was the name of this movie? I want to rent it!
>

Ah hah! Another fan of good bad movies! I think it was called "Dangerous Rescue." It was produced by Zarkoff. We (Jim Blakey and I) use our own rating scheme:

good/good : Star Wars, Die Hard, etc. A movie that tries to be a good movie and succeeds.
bad/good : Out Of Africa (IMHO), Star Trek V. A movie that tries to be a good movie and fails.
good/bad : Toxic Avenger, Killer Klowns. A movie intended to be bad that succeeds.
bad/bad : Toxic Avenger II, etc. A movie intended to be bad that fails. These are the most painful to watch.

See ya at the bad movies! (too bad I can't use my ATV setup to broadcast them locally.)
--
David E. Tiller davet@tsdiag.ccur.com | Concurrent Computer Corp.
FAX: 201-870-5952 Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet | Oceanport NJ, 07757
ICBM: 40 16' 52" N 73 59' 00" W | N2KAU @ NN2Z

Date: 26 Jun 90 06:17:05 GMT
From: netnews.upenn.edu!eniac.seas.upenn.edu!depolo@rutgers.edu (Jeff DePolo)
Subject: Homebrew repeater controllers
To: info-hams@ucsd.edu

In article <7880166@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>Just a word of caution - disk drives are less rugged than most electronics.
>If the controller spends most of it's time in an air-conditioned shack, it
>should be fine. :-)
>
>Perry Scott

IMHO, using a PC as a repeater controller is a good idea, and shouldn't be difficult to implement. PC's are nice because most of the hard work that would normally have to be done in hardware in a non-CPU based repeater can be done in software. Access codes can be easily changed, PROMS don't have to be burned for different CW ID's, the ID's themselves can be generated by the computer, etc. The way I see it, the above caveat can easily be remedied by not using floppy drives/a hard drive in normal operation. The system should be set up so that upon booting, both the control software and all data necessary to run the repeater, including the custom control codes, ID's, messages, etc. should all be loaded into memory to prevent unnecessary use of the disk drive and also to increase speed. But that's probably pretty obvious. I can't think of any real reason why the computer would have to write anything to disk as the repeater is used. What's there to be logged that easily be converted to a digital format that's of any use?

BTW, most of the interfacing can probably be done without having to directly communicate with the computer byte-wise. Control lines on the RS232 port make handy binary lines. Having the computer set lines high is a quick and efficient way of flipping relays, keying CW, etc. They can be used as input as well - have a receiver set the line high when a signal opens squelch. It's a lot easier than having to read and write 8 bits on the data lines and allows for more than one device to be connected to the computer unlike 2-device serial communications. And if one port isn't enough, another serial port can be added for about $25. A stripped-down single-floppy XT clone with 2 serial ports should cost less than $500 new, probably under $300 used. If money is really tight, use as C64 (ick) or trash-80.

About the only "real" communications that would be necessary would be getting DTMF tones from the receiver to the computer. That shouldn't be all that difficult either. Less than 5 chips in actuality. Take a DTMF decoder and a UART and you're 99% done. Things like detecting S/N for voting or detecting PL might be a bit more difficult, but they would be necessary in a non-computer-based repeater anyway. Control of the repeater would be simple - just tack on a modem.

If you do decide to go through with the project, keep us posted. I'd be interested in hearing how you went about the whole project. I'm sure it's been done many other times before, but it would still be interesting.

```
                                  --- Jeff
+------------------------+-----------------------------------------------------+
| Jeff DePolo N3HBZ/AA  | Internet: depolo@eniac.seas.upenn.edu               |
| Univ. of Pennsylvania | RF: 146.685- 224.40- 442.70+ 144.455s (Philadelpia) |
| Computer Science Eng. | Twisted pair: (215) 386-7199 home                   |
|     Class of 1991     | Carrier pigeon: 420 South 42nd St. Philly, PA 19104 |
+------------------------+-----------------------------------------------------+
```

Date: 25 Jun 90 21:21:32 GMT
From: crdgw1!trub@uunet.uu.net (Donald P Perley)
Subject: How to buy a QSO, 20 M mess, etc...
To: info-hams@ucsd.edu

In article <1990Jun25.144036.27405@dg-rtp.dg.com>, harrism@aquila (Mike Harris) writes:

>I, personally, wouldn't mind it if omnidirectional antennas were also illegal.
>Why should anybody expect to own a frequency in *every* direction. I'd be
>happy, though, to just have a lower power limit. One can do *so* much with
>antenna's - it's amazing.

>We'd have *alot* more room on our bands if people used directional antennas
>and ran reduced power. The latter would force the fomer somewhat.

It sure would cut down on the round-table QSO's & networks.

Oh, and the mobile operators might think it was a bit of an imposition.

I would think that Kilowatt ops are more likely to have a beam & tower
already. Either they have more money to spend, or are willing to spend
more of what they have on the hobby.

We have a lot more room with most people running SSB rather than AM,
but we didn't have to legislate to accomplish it. People switched for
their own reasons (like more bang for the watt).

-don perley - ke2tp

perley@trub.crd.ge.com

Date: 25 Jun 90 13:35:50 GMT
From: rochester!rit!cci632!cep@rutgers.edu (co-op)
Subject: HR mag
To: info-hams@ucsd.edu

In article <1990Jun23.042526.6014@maverick.ksu.ksu.edu> steve@matt.ksu.ksu.edu
(Steve Schallehn) writes:
>
>I wonder if QEX from the ARRL is any good as an experimentation magazine?
>Someone has to come out with a new HR! Someone has to!
>
>-Steve Schallehn, KB0AGD

Not really. My club just got its renewal notice for QEX and I have
decided not to renew it. (We are an ARRL-affiliated club, by the
way, which has some *teriffic* benefits).

My problem with QEX is redundancy. I have seen an article that says,
"Let's have fun and build a 20-meter cw portable tranceiver that works
on a 9-volt battery!" SOOOOO many times - this is the sort of thing
that belongs in the handbook, and not to pop up in QEX two or three
times a year.

Chris WZ2B

--
Christopher E. Piggott, WZ2B   (ex-N2JGW)
President - Rochester Institute of Technology Amateur Radio Club K2GXT
cs.rochester.edu!cci632!ccird7!cep or uunet!ccicpg!cci632!ccird7!cep

---

Date: Mon, 25 Jun 90 14:31:17 CDT
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Subject: Making Ham Radio Known
To: infohams@flopn2.csc.ti.com

> From: TILDE::"ajs@hpfcdc.HP.COM" "Alan Silverstein" 24-JUN-1990 01:31:25.18
> To: info-hams-incoming
> Subj: Re: Making ham radio known
>
> > Think about what you do in ham radio. Do you yak with your friends on the way to work on the 2-meter repeater?
>
> Well I've only been Tech-licensed a week and a half, but one thing I do is help people make phone calls to friends from the top of 14000' mountains. If that doesn't stimulate interest, I dunno what will.
>

OK, you've made a positive contribution right there, only two weeks out of the mailbox. (Congrats, BTW!)

Anything a ham does for the public, whether its a courtesy phone patch/remote call, or getting help to someone stranded in a flood or earthquake, is on the plus side.

We need all of that we can get. Good show.

Now. Were those folks (since they were up on a mountain...) part of a club or organization (climbing club, environmentalist organization, whatever?)

Is there a way you can arrange for a presentation at one of their meetings about ham radio? If not yourself, maybe someone from your radio club is not uncomfortable in front of a strange group...

SYSMSGSBE-W-WARNING: SOAPBOX MODE ENGAGED...

That's a little more agressive, and I think that is what Patty and some of us were looking for. I unfortunately, between work and running code practice for the club and helping out with the VE team have plenty to do. If I had about three more nights per week, I'd like to seek out new life and new civi-... oops... new organizations that need programs and present to Lion's Club and Elks and Shriner's and Ladies' Auxiliary of the Volunteer Fire Department... and present ham radio as it is (or as we hope it to be!)

Two things are possible if you do that right...
   (1) Jane and John Q. Public know FOR REAL what ham radio is, not what rumor and misinformation make of it, and
   (2) SOMEBODY might get interested.

(2) is nice, but they're not going to beat your door down. (1) builds a firm foundation on which (2) can build from.

Maybe, maybe not. But it sure can't hurt...if it's done well.

SYSMSGSBE-I-NOTICE: SOAPBOX MODE TERMINATED.

Have fun with your new license. Go try all the neat things you can do, and if you can do a favor for a friend or a stranger, let 'em know it was a HAM who did it!

73,

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                         !   "In order to accomplish the
 Bob West WA8YCD                !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM       !    the absurd!"
                                !       -- Miguel de Animo y Jugo
 P. O. Box  863069              !
 Plano Texas 75086              !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

Date: 25 Jun 90 21:56:32 GMT
From: n8emr!gws@tut.cis.ohio-state.edu (Gary Sanders)
Subject: RTTY DX Notes, 6/22/90
To: info-hams@ucsd.edu

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==============================================================
|         Relayed from packet radio via                 |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
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SB RTTYDX @ RTTYDX $RTDX0622
RTTY DX Notes, 1of3, 6/22/90

RTTY DX Notes for Weekending 22nd June 1990.
Part 1 of 3.
BID: $RTDX0622

The ANARTS contest has come and gone, and if you thought that the propagation was poor for that weekend, you should have a look at it now. Even the intruders are missing. But we have received some logs, and from some of the scores there was little to complain about. Keep the logs coming, chaps.

Our thanks this week go to I5FLN, I5ICY, I5IGQ, OD5NG, PJ2MI, TG9VT, VK2EG, W2JGR and the Tri-State DX Association VHF packet cluster. Thank you all for your assistance. Every little bit helps.

Bandpass:

Friday 15:

ED9CI	14083	at	0001Z	QSL/Note
KR6N/KP4	14087	at	0034Z	
FO5EM	14081	at	0610Z	
VR6WH	14088	at	0655Z	
BV2HC	14087	at	1252Z	
PJ2WOL	14074	at	1407Z	ARQ
CU2AT	14090	at	1642Z	

```
HK0BKX      21090  at  2110Z  QSL
T5RM        14074  at  2114Z  QSL/ARQ

Continued in part 2.
/EX
SB RTTYDX @ RTTYDX $RTDX0623
RTTY DX Notes, 2of3, 6/22/90

RTTY DX Notes for Weekending 22nd June 1990.
Part 2 of 3.
BID: $RTDX0623


Saturday 16:
FY5DG       14090  at  0040Z  QSL
SU1HN       14083  at  0305Z  QSL
ED9CI       14091  at  0310Z
HK0BKX      14088  at  0335Z
V31AR       14075  at  0400Z  ARQ
EA6BH       14078  at  0703Z
9M2AX       14085  at  1138Z
FM2WL       14086  at  1159Z
YB0GI       14093  at  1329Z
HS1BV       21091  at  2005Z
EA9MY       14083  at  2257Z

Sunday 17:
ED9CI       14091  at  0036Z
J28TY       14089  at  0252Z
UZ3AWP      14088  at  0410Z
UQ2HO       14088  at  0703Z
HI8BJ       14089  at  1240Z
PP8DA       21089  at  1528Z
5N0ETP      21089  at  1532Z
CU2CB       21090  at  1556Z
VR6WH       14089  at  1725Z
SV5TS       14082  at  1957Z
EA9MY       14081  at  2252Z

Monday 18:
UZ3AWP      14081  at  0605Z
J28TY       21090  at  1400Z
9Q5BG       21084  at  1742Z
KC5RY/HP1   14074  at  2000Z  ARQ
6Y5EW       14074  at  2055Z  ARQ
YL1WW       21084  at  2116Z

Tuesday 19:
J73WA       14086  at  0149Z
YL1WW       14090  at  0300Z
FY4FS       14088  at  0537Z
LY1BYL      14086  at  2027Z
RF1F/UA3TT  14082  at  2322Z
```

V44KW	14088	at	2339Z	

Continued in part 3.

/EX

SB RTTYDX @ RTTYDX $RTDX0624

RTTY DX Notes, 3of3, 6/22/90

RTTY DX Notes for Weekending 22nd June 1990.

Part 3 of 3.

BID: $RTDX0624

Wednesday 20:

LY2WW	21083	at	0235Z	
RA3AL	14097	at	0345Z	
EA6MQ	14097	at	0518Z	QSL
KL7KJ	14087	at	0522Z	
VR6WH	14089	at	0635Z	
PJ2MI	14074	at	1040Z	ARQ
ES2WX	14084	at	1153Z	
UA9EAL	14085	at	1352Z	
BV4VB	21088	at	1745Z	
PZ1DZ	14084	at	2338Z	

Thursday 21:

UQ2HO	14089	at	0348Z
J73EH	14082	at	0440Z
EA6MQ	14088	at	0516Z

QSL Information:

ED9CI says to QSL via EA9KQ.

T5RM will QSL via HB9RTR, 134 Saules, 1233 Bernex, Switzerland.

HK0BKX (San Andres) via WB9NUL.

FY5DG is at Box 450, Kouru, French Guyana.

SU1HN will QSL via Box 1578, Alf Maskan, Cairo.

EA6MQ will QSL via his Callbook address.

Notes of Interest:

ED9CI was the station that was reported last week as having the callsign of AN9CI. The call was changed at the last moment, but it was still Aure on Chafarinas Island.

YL1WW is in Riga, USSR. No further information at this time.

TV9GIR will be a special call from Margaux Island (north of Bordeaux) on June 23/24. They will operate all bands and modes (including CW on 10 MHz). QSL via FD1MRE or via the bureau.

We appear to be a little short of information this week, but propagation has been very poor, and someone has taken Africa off the map.

GL DE DX1 (VK2EG) VIA TG9VT.

Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA. Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.
/EX
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

Date: Mon, 25 Jun 90 21:36 CDT
From: John.Perry.-.KG5RG@mbian.gal.utexas.edu
Subject: startup message
To: INFO-HAMS@ucsd.edu

startup message

Date: 25 Jun 90 19:47:54 GMT
From: hpfcso!hpfcdc!perry@hplabs.hpl.hp.com (Perry Scott)
Subject: Strange RFI
To: info-hams@ucsd.edu

>Is there a television set operating nearby? I get all kinds of RFI from my TV,
>and a bit from the neighbors'. The horizontal oscillator operates at
>15.734 KHz.

Yeah, I get this one, too. Lessee - 30 Mhz is on about the 2000th harmonic. That's a sharp sawtooth indeed ! Can I put a ferrite bead on a wire somewhere in the telly to get rid of this ?

My wife finds it ironic she QRMs me as much as I QRM her. :-)

Perry

```
x.Berkeley.EDU (5.63/1.41)
     id AA26315; Mon, 25 Jun 90 21:10:32 -0700
Received: from USENET by ucbvax.Berkeley.EDU with netnews
     for info-hams-ddn@ucsd.edu (info-hams@ucsd.edu)
     (contact usenet@ucbvax.Berkeley.EDU if you have questions)
Date: 25 Jun 90 20:18:49 GMT
```

From: hpfcso!hpfcdc!perry@hplabs.hpl.hp.com (Perry Scott)
Organization: HP Ft. Collins, Co.
Subject: Re: The Demise of HR Magazine and Comments on CQ
Message-Id: <7880165@hpfcdc.HP.COM>
References: <2480@kodak.UUCP>
Sender: info-hams-relay@ucsd.edu
To: info-hams@ucsd.edu

>I see a lot of people p*ssing and moaning about the lack of technical
>material. I _don't_ see those people writing and submitting articles.
>
>Jon Bloom, KE3Z

I agree. Magazines don't dream up this stuff - we do. When was the last time you did something original ? If you have a better, cheaper, faster way to do something and don't publish, it's as if you never thought of it at all.

What about me ? I'm working on a cheaper soft-start for high-power (tube) RF amps. Does one already exist ? I don't know - I haven't seen one yet.

By the way, I find this newsgroup to be a powerful counter point to the regular mags. We can say what we want against CQ and QST in an uneditted manner. We can also exchange ideas in a way not possible via a magazine. I even find technically useful information, despite the lack of graphics.

Perry Scott, KF0CA

Date: Mon, 25 Jun 90 21:28 CDT
From: John.Perry.-.KG5RG@mbian.gal.utexas.edu
Subject: test
To: INFO-HAMS@ucsd.edu

test

Date: 25 Jun 90 16:38:38 GMT
From: hpcc01!col!bobw@hplabs.hpl.hp.com (Bob Witte)
Subject: The Demise of HR Magazine and Comments on CQ
To: info-hams@ucsd.edu

Re: Goodbye Ham Radio Magazine

* I said goodbye to HR some time ago. I feel that they lost the formula that made them successful. The magazine appealed to the more technical portion of the amateur radio population. About three or four years ago, I think they forgot this fact and started watering down their technical content. I had written

a couple of articles for them and conversations with their editors began to center more on sure fire idiot proof construction and less on technical content (IMHO).
At that point I pulled the plug on my subscription, so I have no recent experience with HR.

- Wireless World is a really interesting magazine. It has a great mix of electrical engineering, amateur radio, general electronics hobbyist stuff, basic theory and pseudo-science. The downside is 1) ads are for UK products 2) prices are in pounds 3) words like color are spelled 'colour' 4) expensive in the US.

Bob Witte HP Colorado Springs Division
bobw@col.hp.com P.O. Box 2197
Phone:(719) 590-3230 Colorado Springs, CO 80901
Radio: KB0CY Packet: kb0cy@w0lkd

Date: 25 Jun 90 21:44:24 GMT
From: att!cbnewsc!tedk@ucbvax.Berkeley.EDU (ted.g.kekatos)
Subject: Wanted: TRS-80 Model 100 software - packet radio
To: info-hams@ucsd.edu

Wanted: Software for Radio Shack TRS-80 Model 100

- Terminal program for packet radio TNC (split screen?)
- Amateur Radio speciality programs

Send info/program source to:

Ted G. Kekatos N9IXE
UUCP: ..!att!ihlpl!tedk
INTERNET: tedk@i88.isc.com
(708) 979-0804

End of Info-Hams Digest
****

Date: 25 Jun 90 13:43:47 GMT
From: dg!lewine@uunet.uu.net (Don Lewine)
Subject: ARRL NR 21: FIELD DAY POINTS
To: info-hams@ucsd.edu

Does copying the ARRL message via usenet count?

Date: 26 Jun 90 08:23:39 GMT
From: cs.utexas.edu!swrinde!emory!ogicse!milton!cfogg@tut.cis.ohio-state.edu (Chad Fogg)
Subject: HDTV and Waveform Modulation
To: info-hams@ucsd.edu

A new term to add to the HDTV glossary, waveform modulation is given a brief mention in the July 1990 issue of _Video_Magazine_, page 50.

According to the article, Production Services, Inc. of Tuscon, Arizona claims they can "squeeze a full-blown HDTV signal and a conventional NTSC signal within the same 6 MHz frequency channel" by using "a new modulation technology to add information to the spectrum without interference."

Richard Gerdes, PSI co-founder, explains that their technique "alters the shape of the carrier and transmits the result of that altered wave shape."

At the NTSC level:

> PSI gas already developed a commercial product using waveform modulation for NTSC broadcasts: an encoder and decoder that allows an NTSC station to broadcast two channels simultaneously from one transmitter. "You could tune to channel 4A or 4B using the decoder," Gerdes says. The FCC has already granted an experimental license for channel 11 in Tuscon, a Fox Network affiliate, to begin testing the system.

Article aside, has anyone in Tuscon seen this? Any elaborations on waveform modulation; PSI's technology? And does WM have implications for other EM-based communications?

Date: 25 Jun 90 13:40:15 GMT
From: dg!lewine@uunet.uu.net (Don Lewine)
Subject: How to buy a QSO
To: info-hams@ucsd.edu

In article <1990Jun22.221444.25178@ecn.purdue.edu> wb9omc@ea.ecn.purdue.edu (Duane P Mantick) writes:
>>>From: k4bnc@cbnewsh.att.com (john.a.siegel)
>   One time I had the satisfaction of turning this situation
>   around. I was sitting with my measly 20 watts on top of
>   a mountain in the Smokies and encountered a pileup with
>   a New Zealand ham - I put up my call at the appropriate

> time and he responded immediately. He didn't believe that
> I was running a Uniden 2510 with no amp and told me I was
> not only 59+ but louder than some fellows who told him they
> were running about 1 KW! Made me feel just *fine*.

That is correct. The difference between 20 watts and 1000 watts is 13 db or about 2 S-units. A good antenna in a good QTH can make much more of a difference. The difference between someone that the gods of propagation are smiling on and someone that they are not can be 60 db or more.

I remember on night working about 50 east european stations in a row. They said that I was the only W/K station that they could hear. This was not due to monster antennas or high power. It was mostly the dumb luck of being exactly where the opening was. Sill, it was great to be the target of a pileup for once.

P.S. My attitude to DXCC is, if I happen to work them great, if not, no big deal. I have about 125 confirmed countries. Almost all of them came back on the first or second call and QSL via the buro. After all, ham radio should be fun. If you are not having fun do something else.

--73,
WB2UMF

End of Info-Hams Digest
****

End of Info-Hams Digest
****

From -8412442872732408431
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dfd930aa900812f7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 10:46:53 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!mbian.gal.utexas.edu!
John.Perry.-.KG5RG
From: John.Perry.-.KG5RG@mbian.gal.utexas.edu
Newsgroups: rec.ham-radio
Subject: Mail Loop
Message-ID: <73A9B5D18F5F001DCF@mbian.gal.utexas.edu>
Date: 26 Jun 90 15:19:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: PERRY@mbian.gal.utexas.edu
Organization: The Internet
Lines: 22
Posted: Tue Jun 26 16:19:00 1990

To the entire net:

I just caught the mail lop that I was inadvertently creating! I offer my sincerest aplogies to everyone ont the INFO-HAMS mailing list! It has been caught and corrected. I'm sorry for any problems I may have created!

John Perry - KG5RG
University of Texas Medical Branch
The Marine Biomedical Institute
200 University Blvd. H-43
Galveston, Texas 77550-2772
Voice : (409) 761-2124
FAX   : (409) 762-9382

You can send mail to me at any of the following addresses:

DECnet   : MBIAN::PERRY
THEnet   : MBIAN::PERRY
Internet : perry@mbian.gal.utexas.edu
SPAN   : UTSPAN::UTADNX::MBIAN::PERRY

From 9175360877839214688
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9748cd30228d1e92
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 10:48:17 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: Making Ham Radio Known
Summary: Let'em KNOW
Message-ID: <65@thoreau.nsc.com>
Date: 26 Jun 90 13:50:13 GMT
References: <9006252139.AA22365@ti.com>
Organization: National Semiconductor, S. Portland, Maine
Lines: 15
Posted: Tue Jun 26 14:50:13 1990

In article <9006252139.AA22365@ti.com>, rlwest@flopn2.csc.ti.com (Bob West, WA8YCD) writes:
>
> Have fun with your new license. Go try all the neat things you can do, and
> if you can do a favor for a friend or a stranger, let 'em know it was a
> HAM who did it!
>

One thing I did when I became SM of Utah in '83 was to have some buisness cards printed up with the ARRL logo in red (the SM color). Besides handing these out at club meetings and ham fests I also used them whenever I lent a hand to an organization or an individual. Stopping by the road to help a stranded motorist call for assistance or ringing up a patch during a race I always indicated that I was a RADIO HAM not a CB, I then gave them one of my cards and made a short statment that we were always glad to help out.

Ron Todd, K3FR

From -4554757053765704157
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bda1a7c7e966cda3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 11:38:55 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!rutgers!mcnc!beguine!uncmed.med.unc.edu!pswecker
From: pswecker@uncmed.med.unc.edu (Peter St.Wecker, N4YRJ)
Newsgroups: rec.ham-radio
Subject: Rumor of V31BB's death
Message-ID: <436@beguine.UUCP>
Date: 26 Jun 90 15:14:02 GMT
Sender: usenet@beguine.UUCP
Reply-To: pswecker@uncmed.med.unc.edu (Peter St.Wecker, N4YRJ)
Organization: UNC-CH School of Medicine, Office of Information Systems
Lines: 18
Posted: Tue Jun 26 16:14:02 1990

I have only heard this third hand, but rumor has it that Jim, V31BB, has died in Belize. For those unfamiliar with him, he was probably best known as the voice of the MFJ junk net, which was a nice platform for him to expound on the evils of buying equipment from the MFJ corp.

Having only spoken to him once, but having listened to V31BB alot, this rumor is going to need lots of checking before it can truly be believed. One story is that his death was due to electric shock while working on his amplifier.

If anyone knows any more about this, please give us the info!

-- Peter St. Wecker

```
-------------------------------------------------------------------------------
       Peter St.Wecker, N4YRJ           Internet:pswecker@med.unc.edu
       (919) 966-1096                   UUCP:pswecker@uncmed.uucp
      Dept. of Physiology, Univ. of North Carolina,  Chapel Hill NC
```

From -8079855520792540198
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9eab033e18e25465
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 11:40:01 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio

Subject: Re: octopus
Summary: OCTOPI
Message-ID: <62@thoreau.nsc.com>
Date: 26 Jun 90 13:18:42 GMT
References: <747936BC553F80145F@ROSEVC.Rose-Hulman.Edu>
Organization: National Semiconductor, S. Portland, Maine
Lines: 23
Posted: Tue Jun 26 14:18:42 1990

In article <747936BC553F80145F@ROSEVC.Rose-Hulman.Edu>, DERRY@ROSEVC.Rose-Hulman.EDU writes:

> During planning for field day our group heard references to a device used
> illegally by some filed day groups. This device was referred to as an
> OCTOPUS. Does anyone want to tell me what the heck it is?
>
> Thanks a whole bunch.   73 es cul de K9CUN

The item called an OCTOPUS can actually have two applications. In the first case it is totally legal, it is an old term for a power cord. The illegal version is an interlock system which enables a team with multipul transmitters to abide by the rule which prohibits a single transmitter team from transmitting on more than one transmitter at a time. The interlock works like this:

The transmit buttons are all interlocked such that the first station pushing a transmit button locks out all others from transmitting until he releases his button. When he is finished then the nest request is honored. Often these have an override function which enables a station to transmit until he explicitly releases the lockout. This is by ARRL FD rules totally illegal as not complying with the spirit of the definition of single transmitter class. The concept could be expanded to several transmitter setups but would be equally illegal.

Ron Todd, K3FR

From -7555429014476878765
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 11:40:05 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!sdd.hp.com!decwrl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: The Demise of HR Magazine and Comments on CQ
Summary: CQ .... Unsubscribe??
Keywords: amateur radio, magazines, Ham Radio, CQ, subscriptions, sour grapes
Message-ID: <63@thoreau.nsc.com>
Date: 26 Jun 90 13:32:33 GMT
References: <2480@kodak.UUCP> <1990Jun25.150137.27983@dg-rtp.dg.com>
Organization: National Semiconductor, S. Portland, Maine
Lines: 20
Posted: Tue Jun 26 14:32:33 1990

In article <1990Jun25.150137.27983@dg-rtp.dg.com>, harrism@aquila.rtp.dg.com (Mike Harris) writes:
> Remember, money
> talks and bullshit walks. They *are* touting the "new" subscription numbers
> to advertisers. You can bet that the advertisers are watching the sub numbers.
> If you have the time, you should also perhaps indicate to them what will make
> you subscribe. Perhaps a technical journal? Give them suggestions and
> alternatives if you do this.

I know it takes a lot more letters but why not write to the advertizers??
A few well composed suggestions to some of the bigger advertizers might
just put some pressure where it might do some good. That coupled with
reduced subscription lists ?could? have an effect. CQ Used (c 1945-1970)
to be a reasonable good rag. I still think we should push for a quarterly
tech journal along the lines of what HR used to be (and 73 also before
Wayne lost a fair amount of his common sense). A quarterly couldn't put
too much burden to the publishing buisness, they would have the ability
to select really prime tech stuff and put out a good quality mag, something
with less half-tone and a darned sight less glitz.

Ron Todd, K3FR

From -5112646031263501687
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95580c46a828efa5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 11:40:07 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: Amateur Auxiliary
Summary: Good Guys
Keywords: QRM, Illegal
Message-ID: <64@thoreau.nsc.com>
Date: 26 Jun 90 13:41:21 GMT
References: <54551@lanl.gov> <2767@wyse.wyse.com>
Organization: National Semiconductor, S. Portland, Maine
Lines: 7
Posted: Tue Jun 26 14:41:21 1990

Another thing the OOC does is to issue "GOOD GUY TICKETS"
these are sort of warm fuzzies to the guys who they believe
exemplify correct and curteous on the air practice!! Be
a GOOD GUY and get told so.

Ron Todd, K3FR

From -1553512019287379982
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,5890829ed408164b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 11:40:32 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!execu!sequoia!attdso!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: AMSAT News, 6/23/90
Message-ID: <851@ssc.UUCP>
Date: 26 Jun 90 05:17:20 GMT
Organization: very little
Lines: 121
Posted: Tue Jun 26 06:17:20 1990

SB ALL @ AMSAT $ANS-174.01
EUROPEAN FIELD DAY

HR AMSAT NEWS SERVICE BULLETIN 174.01 FROM AMSAT HQ
SILVER SPRING, MD JUNE 23, 1990
TO ALL RADIO AMATEURS BT

While amateurs in North America were involved in Field Day '90 (scores of stations were working AO-13 alone!), plans were underway for a similar emergency communications test in Europe the following weekend. AMSAT Education Advisor, Rich Ensign (N8IWJ) relays the following details:

Jurgen, DG7NBH reports that hams in the Nurenberg, West Germany area are gathering for their annual test of emergency operations on June 30, 1990. Jurgen and his group have a special emphasis this year. They are calling their event an "American Activity Day." American hams living in the Nurenberg area are being invited to the operations site to share in contacting as many stations in the U.S. as possible. Jurgen will have his Mode B OSCAR station on site and he will be found on OSCAR 13 on a downlink frequency of 145.925 MHz between 20:00 and 22:30 UTC. At that time there is an excellent window between the U. S. and Europe. Why not give DG7NBH a call!
/EX
SB ALL @ AMSAT $ANS-174.02
ZRO TEST SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 174.02 FROM AMSAT HQ
SILVER SPRING, MD JUNE 23, 1990
TO ALL RADIO AMATEURS BT

Last ZRO Test of the Current Set to be Held Last Saturday in June

You have one more chance to test out your receive station on AO-13 during the latest round of The ZRO Memorial Technical Achievement Award Program. The "ZRO Test", which is a test of operating skill and equipment performance, has been run over the past few weeks and will conclude at the end of June.

The following schedule of Mode "B" and "JL" ZRO tests were chosen for convenient operating times and favorable squint angles. The "B" tests can be heard on 145.840 MHz and the "JL" tests on 435.945 MHz.

Saturday June 30, 1990 at 1840 UTC "JL"
Saturday June 30, 1990 at 1930 UTC "B"

Any changes will be announced as soon as possible via the AMSAT HF and AO-13 Operations Nets. Recently updated ZRO brochures are available from WA5ZIB, Andy MacAllister, AMSAT V.P. User Operations, 14714 Knightsway Drive, Houston, TX 77083 for an S.A.S.E. with two units of postage. The brochure describes test procedures, means for obtaining certificates and gives some historical background about the program.

All listener reports with date of test and numbers copied should be sent to WA5ZIB at the address above. A report will be returned verifying the level of accurate reception. Good luck!
/EX
SB ALL @ AMSAT $ANS-174.03
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 174.03 FROM AMSAT HQ
SILVER SPRING, MD JUNE 23, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times. Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date UTC	Time	Phs	Mode	NCS	U.S. Day
26 Jun 90	0115	144	B	N5BF	Monday
Orientation Change to 210/0					
09 Jul 90	0000	184	B	N5BF	Sunday
16 Jul 90	0115	130	B	N5BF	Sunday
27 Jul 90	0030	130	B	N5BF	Thursday

For information on the amateur satellite program and how you can participate, contact AMSAT-NA at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062, or contact your local AMSAT Area Coordinator.
/EX
SB ALL @ AMSAT $ANS-174.04
AO-13 TRANSPONDER SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 174.04 FROM AMSAT HQ
SILVER SPRING, MD JUNE 23, 1990
TO ALL RADIO AMATEURS BT

Transponder Schedule for AO-13 Effective 05MAY90

The present transponder schedule for AO-13 is as follows:

Mode-B : MA 000 to MA 100
Mode-JL : MA 100 to MA 125
Mode-LS : MA 125 to MA 130 (Mode S Beacon only)
Mode-S : MA 130 to MA 135
Mode-BS : MA 135 to MA 140
Mode-B : MA 140 to MA 256
Omnis : MA 220 to MA 040

The current attitude is:

BLON = 179.4 and BLAT = -4.1 for 25 Jun 90

Cross mode B and S QSOs are possible during MA 135 to 140.

AO-10's Mode-B Transponder Now Available for Use:

AMSAT-OSCAR-10 appears to be receiving sufficient solar panel illumination to support Mode-B transponder operations, therefore, the transponder is available for general use whenever AO-10 is in view at your location. Please DO NOT use the transponder if the signals are FMing. The current estimate of AO-10's attitude is LON 24 deg LAT -9 deg.

[AO-10 update received from Graham Ratcliff, VK5AGR, via AO-13 beacons.]
/EX

From -3223836870706593842
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bda1a7c7e966cda3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 11:41:43 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!hpb
From: hpb@unix.cis.pitt.edu (Harry P Bloomberg)
Newsgroups: rec.ham-radio
Subject: Re: Rumor of V31BB's death
Message-ID: <25222@unix.cis.pitt.edu>
Date: 26 Jun 90 16:00:20 GMT
References: <436@beguine.UUCP>
Reply-To: hpb@unix.cis.pitt.edu (Harry P Bloomberg)
Organization: Univ. of Pittsburgh, Comp & Info Services
Lines: 15
Posted: Tue Jun 26 17:00:20 1990

In article <436@beguine.UUCP> pswecker@uncmed.med.unc.edu (Peter St.Wecker, N4YRJ) writes:
>I have only heard this third hand, but rumor has it that Jim, V31BB, has
>died in Belize.
>

>One story is that his death was due to electric shock while working on his
>amplifier.
>

IF TRUE (I do not know either way)...

Would it not be ironic if the amp was manufactured by Ameritron, a division of MFJ?

73,
Harry Bloomberg, WA3TBL
hpb@hpb.cis.pitt.edu

From 2327793791237408643
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eb07dcff905ec6d5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 13:11:56 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!cs.cciw.ca!U009
From: U009@cs.cciw.ca
Newsgroups: rec.ham-radio
Subject: 10 GHz Repeater
Message-ID: <5A061A0B1D2F0393-MTACY830*U009@cs.cciw.ca>
Date: 26 Jun 90 16:45:17 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 28
Posted: Tue Jun 26 17:45:17 1990

In article <1990Jun12.154433.8267@sunee.waterloo.edu>, pgray@sunee.waterloo.edu (Peter Gray) writes:

> The computer would control the dishes and initially they would search the
> area for signals. When a signal is found, the dish is stopped and adjusted
> for max signal. Then the second dish is used to repeat the input. If a signal
> is heard on the second dish, it is locked also.
>

How about a wide-band/packet approach... digitize and send the blocks to rptr.
assume the rotation speed of the antennas (2 will be needed, similar
to a radar scanner I have in the basement at the moment) is 30 rpm, continuous.
Digitize your voice into .5 second segments at 3K sps (12 K samples per
rotation). Transmit the last 8 segments at 500K to 1M bps to the repeater,
and hopefully, it can receive and interleave your packets with everyone elses,
transmitting all of them for the next 2 rotations (oldest get dropped).
You receive these packets and reconstruct the audio. Limited full duplex
with the problems of missed packets, of course.
Transmit only when you hear the repeater spewing packets.
A small bit-slice machine should be able to keep up doing the packet
reassembly.

Is Roger (VE3RKS) in on this? Say hi for me.

Regards, Stu Beal, VE3MWM, (U009@CS.CCIW.CA),
National Water Research Institute,
Burlington, Ontario, Canada.

The future lies ahead. And behind us lies, lies... lies.

From -68862459929974181
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b9771b8a1dea8a23,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 14:03:51 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!agate!iodine.cchem.berkeley.edu!eric
From: eric@iodine.cchem.berkeley.edu (eric peterson)
Newsgroups: rec.ham-radio
Subject: cw rig recommendation
Message-ID: <1990Jun26.175802.12879@agate.berkeley.edu>
Date: 26 Jun 90 17:58:02 GMT
Sender: usenet@agate.berkeley.edu (USENET Administrator;;;;ZU44)
Reply-To: eric@iodine.cchem.berkeley.edu (eric peterson)
Organization: University of California, Berkeley
Lines: 34
Posted: Tue Jun 26 18:58:02 1990

Howdy Folks!!

I have just discovered this newsgroup and it has prompted me to ask a few questions about rigs for cw. I have been inactive for about 10 years now due to school (college and grad school), and since an end of school isn't in sight, I figured that I would try to get back into hamming and not wait. I am most interested in cw, sort of a purist perhaps. Looking at the rigs over the past years and with the addition and implementations of the new bands from WARC '79 has made me desire a new rig.

My old (and I think still working) rig is a Heathkit HW101 from about '73 I think. It has 80, 40, 20, 15, and 10 meters on it. The only controls are the rf, af, filter, and tuning knobs (final amp and VFO). It sort of makes me laugh comparing it to what is available now. The receiver has a 0.36 microvolt sensitivity I seem to recall.

Now the questions. What, if any, of the new bells and whistles are really useful to the cw op (I do use SSB at times too.). RIT seems handy, as does the notch filter. Does variable passband and those sorts of controls help?   I would like to have full break-in. What are the memories used for? Are they mostly for the general coverage mode of usage?

Lastly, what rigs would you recommend and why? I seem to recall that things like the Drake CR-7 were good, but they don't seem to exist anymore. What if I reask this question with the stipulation that the price be less than $1000. What could I sell the HW101 for?

Thanks for your help!!

Eric Peterson   iodine.cchem.berkeley.edu
Department of Chemistry
University of CA, Berkely

From -1150942214331234642
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aa1744def8e317a5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 14:04:04 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!ucbvax!cs.cciw.ca!U009
From: U009@cs.cciw.ca
Newsgroups: rec.ham-radio
Subject: 10 GHz NB Skeds wanted
Message-ID: <5A061A0B2F0A03AE-MTACY830*U009@cs.cciw.ca>
Date: 26 Jun 90 16:52:10 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Tue Jun 26 17:52:10 1990

I am located in FN03bi looking for eastwardly contacts on 10 GHz ssb or CW. Buffalo, Rochester, Toronto type areas. I can go to a better location at FN03al if necessary (more height). Email me and we'll set up some skeds for testing before the contest.

(Dave, KD5RO, do you have a new net address yet?)

Regards, Stu Beal, VE3MWM, (U009@CS.CCIW.CA),
National Water Research Institute,
Burlington, Ontario, Canada.

The future lies ahead. And behind us lies, lies... lies.

From 6420746680908606515
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9eab033e18e25465
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 14:26:54 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!rutgers!
rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: octopus
Message-ID: <38306@cci632.UUCP>
Date: 26 Jun 90 13:43:41 GMT
References: <747936BC553F80145F@ROSEVC.Rose-Hulman.Edu>
<24616@bellcore.bellcore.com>

Reply-To: cep@ccird7.UUCP (Christopher Piggott - co-op)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 11
Posted: Tue Jun 26 14:43:41 1990

In article <24616@bellcore.bellcore.com> jdn@casux4.UUCP (jonathan nagy) writes:
>
>The idea is that you can have multiple band positions
>active at the same time, but since the octopus prevents you from
>putting more than one signal on the air at any given time, you can
>submit your log as MULTI-SINGLE rather than MULTI-MULTI.

Hmm. I thought that, once you transmitted on a band, you had to stay
on that band for at least 15 minutes.

WZ2B

From 5885944553144062075
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,175ecd4a8c09d7c5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 14:27:07 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!hplabs!hpfcso!hpldola!paul
From: paul@hpldola.HP.COM (Paul Bame)
Newsgroups: rec.ham-radio
Subject: Re: MORE ON HAM RADIO'S DEMISE
Message-ID: <12120039@hpldola.HP.COM>
Date: 26 Jun 90 21:27:07 GMT
References: <9006251231.AA17747@ucsd.edu>
Organization: HP Elec. Design Div. -ColoSpgs
Lines: 12
Posted: Tue Jun 26 22:27:07 1990

Just picked up the latest issue of '73 after being somewhat disappointed
with my gratuitous copy of CQ - and besides, '73 was focused on DF which
I find interesting.

In an editorial or publisher's note, the '73 folk said they planned to
help make up for the demise of HR with more technical content. Anyone
want to review the latest '73?

-Paul "Spice is the Variety of Life"
paul@hpldola.hp.com   N0KCL

From 5381594672669631759
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 14:27:45 PST

Path: gmdzi!unido!mcsun!uunet!seismo!ukma!mailrus!iuvax!rutgers!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <38314@cci632.UUCP>
Date: 26 Jun 90 17:25:31 GMT
References: <1990Jun23.181503.20099@cbnewsj.att.com> <7880166@hpfcdc.HP.COM> <26434@netnews.upenn.edu>
Reply-To: cep@ccird7.UUCP (Christopher Piggott - co-op)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 24
Posted: Tue Jun 26 18:25:31 1990

In article <26434@netnews.upenn.edu> depolo@eniac.seas.upenn.edu.UUCP (Jeff DePolo) writes:

>About the only "real" communications that would be necessary would be
>getting DTMF tones from the receiver to the computer.

Radio shack has informed me that they have discontinued the SSI2102 touch tone decoder IC from the retail line. They could not tell me whether or not the part would be available on order.

It may be worthwhile for all hams to comb the local radio shack's now, as any that are still left in stock will probably be half price ($5-6 range).

Unfortunately, these chips are not easy to come by ... DTMF decoders are not listed by Digikey, JDR Microdevices, Jameco, or any of the other "standby's". The alternative - building DTMF decoders out of eight (seven if you don't care about ABCD tones) 567's - is messy and a pain in the neck to align properly.

73's Chris WZ2B

```
--
Christopher E. Piggott, WZ2B                                (ex-N2JGW)
Computer Consoles, Inc. (an STC company)                 Rochester, NY
cs.rochester.edu!cci632!ccird7!cep  or  uunet!ccicpg!cci632!ccird7!cep
```

From 7453397130413789297
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e933493938692541,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 14:31:50 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!mirror!necntc!necis!rbono
From: rbono@necis.UUCP (NM1D)
Newsgroups: rec.ham-radio
Subject: ICOM IC24AT command summary
Message-ID: <1347@necis.UUCP>
Date: 26 Jun 90 15:56:55 GMT
Organization: NEC Technologies, Inc., Boxborough, MA

Lines: 113
Posted: Tue Jun 26 16:56:55 1990

I have noticed that many on the net seem to be interested in the new ICOM series of hand held radios, and have received many email requests for futher information, therefore I thought you (the net) may be interested in the following information that KC1IY and myself put together...

```
********************************************************************************
********************************************************************************
**                    ICOM IC24AT keyboard command summary                    **
**                            Copyright (c) 1990                              **
**                              KC1IY and NM1D                                **
**                               Revision 1.1                                 **
**      Distribution allowed if this notice is included in its entirety       **
********************************************************************************
********************************************************************************
```

This is an attempt to document all of the known key sequences for the ICOM IC24AT (144/440MHz dual band hand held). Some key sequences may be common with the IC[2,3,4]SAT, therefore a few key sequences for those radios are also on this list. Some key sequences require options (such as the PL encode/decode board).

This is not designed to replace the owners manual, but to summarize the information in one place.

Note: Many controls vary depending on the current mode, i.e.: Scan up/down will search frequencies when in VFO mode, and will scan memory channels when in Memory mode. Consult the owners guide for complete information.

```
KEY/COMBINATION = Result, action
---------------   -------------------------------------------------------------
0-9,A,B,C,D,#,* = note: when transmitting these will generate DTMF tones
0-9             = Enter frequency (can also use the VFO knob)
A               = VFO mode / clear incomplete entry
B               = Memory mode
C               = VHF / UHF change
D               = Call channel
*               = Step frequency down/scan down
#               = Step frequency up/scan up
MONI            = Open squelch and change to input frequency (if not simplex)
                   while button is depressed
H/L/DTMF        = Select High/Low power, or (while transmitting) send
                   preprogrammed DTMF codes

FUNC + 0        = Dial set
FUNC + 1        = PL enable (when option is installed)
FUNC + 2        = Code squelch [NOT for the IC24AT, IC[2,3,4]SAT option only]
FUNC + 3        = Skip memory
```

FUNC + 4 = Duplex operation
FUNC + 5 = Code [NOT for the IC24AT, IC[2,3,4]SAT option only]
FUNC + 6 = Mask frequency
FUNC + 7 = Priority mode on/off (operation dependent on current mode)
FUNC + 8 = Set mode (several different functions, press A to exit)
FUNC + 9 = Real time clock and timer functions (press PTT to exit)
FUNC + A = Memory to VFO transfer
FUNC + B = Memory Write
FUNC + C = Split operation (cross band full duplex)
FUNC + D = Lock mode / Cross Band Repeat disable
FUNC + * = Scan programmed limits (down)
FUNC + # = Scan programmed limits (up)
FUNC + 5 + D = Cross Band Repeat enable (split mode must be on!) Diode D14 (right diode on CPU board) must be removed to enable the use of this function)
FUNC + MONI = RX/TX light enable / disable
FUNC + H/L/DTMF = Select DTMF Autodialer memory
Func + VFO knob = Change frequency/memory channel (according to dial set, see FUNC+0)
Func + LIGHT = Lock light on (don't time out)

H/L/DTMF + VFO knob = Change output power (4 power levels when using 13.8 vdc)

The following key combinations selects "power on modes". Start with the radio OFF, then hold down the indicated keys, and continue to hold them while turning the power ON. Some 'modes' override others.

LIGHT + * = PTT enable
LIGHT + 0 = PTT Disabled (inhibits the transmitter, good security method)
LIGHT + 1 = 1 MHz digit set (4 digit frequency entry)
LIGHT + 2 = 10 MHz digit set (5 digit frequency entry)
LIGHT + 3 = 100 MHz digit set (6 digit frequency entry)
LIGHT + 4 = Scan pause until signal disappears
LIGHT + 5 = Scan pause for 10 seconds
LIGHT + 6 = ???? Unknown action
LIGHT + 7 = Power Save deactivated (use this for packet operation)
LIGHT + 8 = Power Save (minimum - 0.125 / 0.5 second)
LIGHT + 9 = Power Save (maximum - 0.125 / 2.0 seconds)
LIGHT + A = ???? Unknown action
LIGHT + B = ???? Unknown action
LIGHT + C = ???? Unknown action
LIGHT + D = ???? Unknown action
LIGHT + # = ???? Unknown action
LIGHT + B + # = RX Extended Range enable This requires that diode D13 is removed (left diode on CPU board). Note that this diode has already been removed by ICOM at the factory on many units. Be sure to hold these keys down until the activity display stops and is showing a receive frequency.

FUNC + A = Reset the CPU (this will clear all the memory channels to the factory defaults)

```
  If you have any corrections or additions, please send them to
  uucp:rbono@necis.nec.com or packet:NM1D@WB1DSW.
********************************************************************************
********************************************************************************

--
 /**************************************************************************\
 * Rich Bono (NM1D)    If I could only 'C' forever!!    rbono@necis.nec.com *
 * (508) 635-6300          NEC Technologies Inc.                NM1D@WB1DSW *
 \**************************************************************************/
```

From -6617804747028028104
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 15:42:25 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
swrinde!ucsd!rutgers!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <26480@netnews.upenn.edu>
Date: 26 Jun 90 20:23:01 GMT
References: <1990Jun23.181503.20099@cbnewsj.att.com> <7880166@hpfcdc.HP.COM>
<26434@netnews.upenn.edu> <38314@cci632.UUCP>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu.UUCP (Jeff DePolo)
Organization: University of Pennsylvania
Lines: 26
Posted: Tue Jun 26 21:23:01 1990

In article <38314@cci632.UUCP> cep@ccird7.UUCP (Christopher Piggott - co-op)
writes:

>
> Radio shack has informed me that they have discontinued the SSI2102 touch
> tone decoder IC from the retail line. They could not tell me whether
> or not the part would be available on order.

Since the chip is made by SSI, I'd imagine that some of the better distributors that carry SSI components would still have them. If not, there are lot of companies that make DTMF decoders for the sole purpose of repeater control. They can't be all that expensive. With the expanding use of DTMF for controlling devices like phone answering machines or even BSR remote control power switches, they should still be pretty easy to find. I have a couple of the SSI chips from Radio Shack and for $7.77, which is what I paid, you can't beat the deal. If you can still find them, grab a few. They are definately worth it.

--- Jeff

```
+------------------------+-----------------------------------------------------+
| Jeff DePolo N3HBZ/AA   | Internet: depolo@eniac.seas.upenn.edu               |
| Univ. of Pennsylvania  | RF: 146.685- 224.40- 442.70+ 144.455s (Philadelpia) |
| Computer Science Eng.  | Twisted pair: (215) 386-7199 home                   |
|     Class of 1991      | Carrier pigeon: 420 South 42nd St. Philly, PA 19104 |
+------------------------+-----------------------------------------------------+
```

From 3881720707300184488
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79d5b9c618d0ea5d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 16:10:19 PST
Path: gmdzi!unido!mcsun!uunet!sco!hiramc
From: hiramc@sco.COM (Hiram Clawson)
Newsgroups: rec.ham-radio
Subject: Kenwood TS440
Keywords: Comments solicited
Message-ID: <7264@scorn.sco.COM>
Date: 26 Jun 90 15:53:42 GMT
References: <9006240432.AA10810@ucsd.edu>
Sender: news@sco.COM
Reply-To: hiramc@sco.COM (Hiram Clawson)
Organization: The Santa Cruz Operation, Inc.
Lines: 11
Posted: Tue Jun 26 16:53:42 1990

I'm looking at possible mobile rigs. This TS440 seems
to be able to do everything. I have no experience
with Kenwoods. Does anyone have any complaints about it?
Limitations? Common difficulties? Reliability?

Is it an exceptional rig?

Thanks for the comments.

--Hiram   [uunet!sco!hiramc || hiramc@sco.COM]
WB6RSS

From 832580441686787124
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15af55fb76e98f8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 17:52:33 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: DELUGE THE ARRL WITH ARTICLE SUBMISSIONS INSTEAD!!!!!!!!!!!
Message-ID: <9006262200.AA18262@ti.com>
Date: 26 Jun 90 21:38:23 GMT
Sender: daemon@ucbvax.BERKELEY.EDU

Organization: The Internet
Lines: 46
Posted: Tue Jun 26 22:38:23 1990

From: TILDE::"rdw2030@venus.tamu.edu" 26-JUN-1990 16:27:00.81
To: info-hams-incoming
Subj: Deluge ARRL with mail...

> Where's the beef? I agree... we need more technical stuff!!! I wonder how
> many people subscribed to Ham Radio. If someone started up a strictly "high-
> tech" ham magazine, I wonder how much support they could realistically expect.
> As was mentioned before... the mag can only be as good as its submissions!
>
> Mark C. Lowe - KB5III

Mark!

You are a hot-out-of-the-gate engineer (didn't you say communications technology?) with what should be cutting-edge awareness of what's out there in the "high-tech" world.

What would it take for YOU, YES, YOU! to write an article for such a publication (be it QST or QEX or HAM RADIO-if-it-were-resurrected, whatever) on some topic of interest to amateurs?

Do it!

Convince yourself that nobody else is gonna do it.

Then do it.

THAT is what it takes. Not "somebody oughta..." but "I will...".

Seriously.

I'm not kidding, :-)'ing, flaming, or being sarcastic.

REALLY!

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                          !   "In order to accomplish the
 Bob West WA8YCD                 !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM        !    the absurd!"
                                 !       -- Miguel de Animo y Jugo
 P. O. Box  863069               !
 Plano Texas 75086               !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

From 6630939689035479426

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,efff767ddccc87c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 18:04:35 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!decwrl!ucbvax!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: FT-411E
Message-ID: <7880169@hpfcdc.HP.COM>
Date: 27 Jun 90 01:04:35 GMT
References: <9006251333.AA19149@ucsd.edu>
Organization: HP Ft. Collins, Co.
Lines: 9
Posted: Wed Jun 27 02:04:35 1990

> Does anyone have information about the modifications made to the Yaesu
> FT-411E (versus the 411)?

No, but thanks to Mark Bramwell I have the 411 mods, and can forward if anyone wants a copy. What's different about the 411E?

Anybody try the 411 mods, and if so, how did it go? Also, has anybody adjusted the image filter to center at about 152MHz instead of 144MHz, to improve the terrible sensitivity in the 155-166 range?

From -154850359923539126
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c28335572226e63,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 18:23:33 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!uwm.edu!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.UUCP (Constructive Frivolling)
Newsgroups: rec.ham-radio
Subject: db's and QRP
Message-ID: <32567@ut-emx.UUCP>
Date: 26 Jun 90 23:15:47 GMT
Organization: The University of Texas at Austin, Austin, Texas
Lines: 25
Posted: Wed Jun 27 00:15:47 1990

lewine@dg.dg.com (Don Lewine) claims that...

>>The difference between 20 watts and 1000 watts is 13 db or
>>about 2 S-units.

It's not, it's a factor of 50, which is 17 db, basically 3 S-points. Face it, if you are called by someone who is S5 and someone who is S8 you are usually going to answer the S8 person. But if the only person calling you is S5 then you hear and answer them. So yes, you can work a lot of DX on low power if you know when to keep trying and when to give up.   In a recent contest I lowered the power to 5 watts and worked all continents (those Big Stations have good antennas and good ops and they will hear you eventually). But having done that, I admit that I raised the power again and went searching for new countries.

QRP is fun, but it many cases QRO is funner :-)

(exit left dodging rotten fruit etc.)

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
wills@utxvm (Bitnet)

From 2984481569433839601
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6d4c589024ee4548,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 18:37:27 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!wuarchive!decwrl!ucbvax!
XEROX.COM!"Hugh_E._Wells.ElSegundo"
From: "Hugh_E._Wells.ElSegundo"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: HR vs CQ magazines - Leaving only 73 Magazine
Message-ID: <900626-152508-5672@Xerox>
Date: 26 Jun 90 22:21:41 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 28
Posted: Tue Jun 26 23:21:41 1990

Hi Gang,

Guess we all received a big disappointment upon receiving the latest copy of CQ. Years ago, I took CQ and enjoyed its technical content. Can't believe the change! Judging from the editorial, the magazine will never return to a technical format.

I've taken Ham Radio Magazine since its inception and have provided technical articles to it over the years. It was a fine magazine and I too, suffer the loss.

HR and 73 have been good "technical" friends, but at different levels. I hope 73 continues to survive as it is the only remaining "user" written technical magazine that we have. Hopefully, 73 will begin to publish some of the more technical articles that previously went to HR and now no longer have a home.

It would be my suggestion that subscriptions be pulled from CQ and placed with 73 along with a note indicating the need to pick-up technical articles from former HR authors. At the moment, this course of action may be the only way to save our technical forum. I recognize that it would be difficult for 73 to shift from the current less technical format, but perhaps one or more HR level technical articles in each issue would work out OK.

Hugh Wells - W6WTU
Manhattan Beach, CA

```
From 6875711277854534197
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 19:13:05 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!swrinde!emory!wa4mei!ke4zv!
gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <809@ke4zv.UUCP>
Date: 26 Jun 90 13:22:30 GMT
References: <181503@<1990Jun23> <30500575@ux1.cso.uiuc.edu>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: none
Lines: 25
Posted: Tue Jun 26 14:22:30 1990
```

In article <30500575@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:

```
>
>> I'm interested to know if anyone has built a repeater controller based
>> upon an IBM PC or clone.  I'm willing to dedicate the entire PC with
>> harddisk to the repeater controller operation.
>
>It seems like a lot of money to me to tie up in a controller.
```

A group of local amateurs led by N4CLA has developed a controller based on a plugin board for the PC. It digitizes the receiver output, processes it, and converts it back to analog for the transmitter. It is roughly a DSP system with shared dual ported memory that allows voice mail, a dynamic voice detection type squelch, touchtone detection and generation, and over 200 commands. It will work in any PC, even the original IBM PC1, and it can be used without the PC if you don't need voice mail.

They have installed it on two repeaters so far and plan to introduce it commercially at the upcoming Atlanta Hamfest. It is a very flexible system with very high quality audio.

I am of the school that says "two wires make a light" and don't feel the need to have such a powerful controller. However for those who feel the need, this thing is a technical marvel.

Gary KE4ZV

From 7702815216823678146
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-26 19:13:13 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!swrinde!emory!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <810@ke4zv.UUCP>
Date: 26 Jun 90 21:42:32 GMT
References: <1990Jun23.181503.20099@cbnewsj.att.com> <7880166@hpfcdc.HP.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: none
Lines: 18
Posted: Tue Jun 26 22:42:32 1990

In article <7880166@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>Just a word of caution - disk drives are less rugged than most electronics.
>If the controller spends most of it's time in an air-conditioned shack, it
>should be fine. :-)
>
>Perry Scott

Some real world experience. We have been using PCs for packet switches
on mountain tops for over two years. Hard disk drives have been the
MOST reliable part of our installations. Of course we are using old
5 to 10 megabyte clunkers that have broad tracks and loose tolerances,
but we have had absolutely zero failures in unconditioned radio huts.
What does fail is the floppy drive. The diskette disintigrates in
summer with the oxide peeling off and plating onto the heads. In
winter the diskette gets so brittle that it fails. So don't leave
a diskette at the site if you want it to survive.

Gary KE4ZV

From -6208756892073847851
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,89c84da0b91c19a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-22 22:05:53 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!mplvax!rec
From: rec@mplvax.EDU (Richard Currier)
Newsgroups: rec.ham-radio
Subject: Re: 20 meter mess
Message-ID: <1219@mplvax.EDU>
Date: 22 Jun 90 22:36:29 GMT
References: <329@e2big.enet.dec.com> <1250177@hpnmdla.HP.COM>
Reply-To: rec@mplvax.ucsd.edu.UUCP (Richard Currier)

Organization: U.C. San Diego, Marine Physical Laboratory
Lines: 47
Posted: Fri Jun 22 23:36:29 1990

In article <1250177@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:

>
> I have an idea. Eliminate voice as a legal mode in Amateur radio.
>
> Al N1AL

This may sound like a subtle dig to the the no-code folks but it may become a viable solution in the not so distant future. If the Amateur Radio Service continues to deteriorate in quality and the number of illegal operators continues to expand at their current rates, the HF spectrum will become enough of a problem to the other services that the politicos will have to act. To head off the total banning of Amateur Radio, the ARRL, FCC etc. might offer to ban the voice mode where the problem exists and give up the voice spectrum without a fight. In other words, bribe the power brokers to leave us with at least a minimal amount of spectrum and the CW/digital modes. This would make enforcement of a ban on illegal radio transmissions easier as any voice transmission would be illegal. Further, the small amount of relatively unobtrusive CW/digital the air would cause few problems and would bring little attention to itself.
I have a feeling that, under this scenario, there would be good deal of technological advancement in CW and the digital modes and at least the technical and educational basis for Amateur Radio would survive. One of the arguments for no-code is that CW is outmoded. Well, in the digital age SSB is outmoded or will be soon as new hardware based DSP technology comes on line. So melt down your D-104s OM's. The days of shouting into a mike at your good buddies across town are coming to an end.

See you on the narrow bandwidth, high throughput modes OM's. Its happening now.

AA6PN

Richard Currier
UCSD/MPL
Mail Sta P-004
La Jolla, CA
92093

619-534-1730
rec@mpl.ucsd.edu

--
richard currier   marine physical lab   u.c. san diego
{decvax|ucbvax}   !ucsd!mplvax!rec
rec@mpl.ucsd.edu

From -3921118194039279210
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc45f70577cde227,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-22 22:08:44 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!mailrus!iuvax!
noose.ecn.purdue.edu!news
From: wb9omc@ea.ecn.purdue.edu (Duane P Mantick)
Newsgroups: rec.ham-radio
Subject: How to buy a QSO
Message-ID: <1990Jun22.221444.25178@ecn.purdue.edu>
Date: 22 Jun 90 22:14:44 GMT
Sender: news@ecn.purdue.edu (USENET news)
Organization: Purdue University Engineering Computer Network
Lines: 73
Posted: Fri Jun 22 23:14:44 1990

>>From: k4bnc@cbnewsh.att.com (john.a.siegel)
>More seriously, QST edited out a portion of my letter to the editor on the
>3Y5 mess that implied that the ARRL DXCC program was due a share of the blame.

This should surprise no one. The ARRL has a quite notorious past history of trying to surpress opposing points of view - but don't just take my word for it, go look it up for yourself. Check around - while you will find that the ARRL has done a lot of good things for Amateur radio, some of the abuses of their own membership is simply appalling.

>Does anyone else think that the DXCC endorsement/Honor Roll program contributes
>to the overly competitive, work em at any cost attitude that also leads to
>jamming? How about a DXCC for 100 countries and no further endorsements?

John, I've said it before and I'll say it again here. It isn't just any one award that is responsible for this totally disgusting behavior. It is an attitude which you summed up quite nicely and accurately - "...work em at any cost..."

I have stated openly for some time that many hams simply write a check for their QSO's. By that, I mean that they decide they want to achieve a certain award or a certain "level" of recognition and they go out and buy equipment that is sufficiently powerful enough to do the job. Now if they were buying equipment that fell within the "just powerful enough" concept, that would be fine. But NOOOOOOOO, they have to go out and buy the Kilowatt, the tower and the mega-antenna.

What happens? Simple! All it takes is for a few of these guys to get into the same pileup for a station, and the poor schmuck that everybody WANTS to QSO with can hear ONLY the kilowatt hams! So what can the rest do - THEY go out and buy the KW, assuming they can afford it, just to be heard. And those of us who don't run that power level can never get through to a DX station Because of all the kilowatters covering us up.

One time I had the satisfaction of turning this situation around. I was sitting with my measly 20 watts on top of a mountain in the Smokies and encountered a pileup with a New Zealand ham - I put up my call at the appropriate time and he responded immediately. He didn't believe that I was running a Uniden 2510 with no amp and told me I was not only 59+ but louder than some fellows who told him they were running about 1 KW! Made me feel just *fine*.

Now that, of course, does not mean that I intend to move into the mountains just to get a DX QSO now and then. I *do* occasionally run into very considerate types who will periodically ASK for QRP stations only. Compared to a KW I do consider myself QRP. I wish more stations both stateside and DX would do this and give the little guys a chance.

This ties in perfectly with what you are saying - there is a real bad attitude in Amateur radio (and NO, it isn't everyone....) that says make the QSO no matter what you have to do because by God! I paid for that piece of spectrum and by God! I own it!!!!! This attitude is pure crapola and is, IMHO, the source of a great deal of the malicious QRM that is going on.

I think the majority of hams aren't guilty of the worst offenses but by their silence they contribute to the problem. If enough of us screamed bloody murder to the FCC about some of the more obnoxious cases, you bet something would be done about it. But not enough of us do scream, so the FCC figures it isn't a big enough problem for them to waste manpower on.

For a supposedly self-policing service we are doing a pretty lousy job of it.

Duane Mantick
WB9OMC

From 8171188545072211458
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,48d858f8ce8288f6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-22 22:30:45 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!utgpu!watserv1!watmath!att!cbnewsl!sbk
From: sbk@cbnewsl.att.com (stanley.b.king)
Newsgroups: rec.ham-radio
Subject: Re: Strange RFI
Message-ID: <1990Jun22.133114.20734@cbnewsl.att.com>
Date: 22 Jun 90 13:31:14 GMT
References: <54550@lanl.gov>
Organization: AT&T Bell Laboratories

Lines: 11
Posted: Fri Jun 22 14:31:14 1990

If the interference shows up on ALL bands, then see if your receiver has a built-in loopstick antenna that's used for the lower frequency bands. If so, you can use the fact that there's a sharp decrease in signal strength with the signal hits these antennas end-on. If the inteference is fairly local, like a neighbor's television set, then you can walk around the area, take bearings, and triangulate to find the source of the interference.

Stan King, stan@floyd.att.com

From 4312281824214194238
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a2a2ae7c45f8daf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-22 22:57:54 PST
Path: gmdzi!unido!mcsun!uunet!deimos.cis.ksu.edu!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: 440 MHz filtering
Message-ID: <30500574@ux1.cso.uiuc.edu>
Date: 22 Jun 90 21:21:00 GMT
References: <175251@<1990Jun15>
Lines: 20
Nf-ID: #R:<1990Jun15:175251:ux1.cso.uiuc.edu:30500574:000:1091
Nf-From: ux1.cso.uiuc.edu!phil   Jun 22 16:21:00 1990
Posted: Fri Jun 22 22:21:00 1990

What would be the bandpass curves of simple coaxial 1/4 wave shorting stubs attached to a T-connector? 1 of them? 2 of them spaced apart?

I am wanting to use some 1/4 shorting stubs for static dissipation and lightning protection, but would like to have some flexibility in the transmit range (we are talking <= 25w and typically <= 5w). I'd like to cover the whole 144-148 Mhz band if I can. Filtration is NOT my goal, but rather the ability to dissipate some static electricity. Resistors are out as they are destroyable components for surges. I also am planning to build this for 154-159 Mhz for some local public service radios in use.

I'd also like to know if anyone has tried this for dual-band use, and how good a bandpass can be had for both 144-148 and 440-450 (not exactly 3:1 ratio but close). I'm thinking to aim for the 147/441 Mhz harmonic pair as the center frequency. How high would my Q be on UHF as a 3/4 stub?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society

<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 5965644595511811954
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2a63e53513bdde09,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-22 23:14:30 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!decwrl!ucbvax!TRIUMFER.BITNET!MULTI
From: MULTI@TRIUMFER.BITNET
Newsgroups: rec.ham-radio
Subject: 3N211 upgrade for 3sk40M in Yaesu FT101
Message-ID: <90Jun22.201848edt.57919@ugw.utcs.utoronto.ca>
Date: 23 Jun 90 00:17:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4
Posted: Sat Jun 23 01:17:00 1990

Apparently the Motorola 3N211 dual gate fet has higher gain than the
standard issue 3SK40 used in the front end and the mixer of the FT101E.
Does anybody have any experience swapping the 3N211 for the 3SK40 in
the Yaesu FT101 series of transceivers.

From -3840572862874619327
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3e227ebfc59d37e0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-23 00:23:34 PST
Path: gmdzi!unido!mcsun!uunet!ingr!b11!herbster
From: herbster@b11.ingr.com (Joe Herbster)
Newsgroups: rec.ham-radio
Subject: HR mag
Keywords: sigh...
Message-ID: <8205@b11.ingr.com>
Date: 22 Jun 90 18:03:13 GMT
Organization: Intergraph Corp. Huntsville, AL
Lines: 7
Posted: Fri Jun 22 19:03:13 1990

I got my fist license the year HAM-RADIO magazine started publishing. I have
now received my first EVER issue of "Contest-Quarterly" as a consolation prize.
     Why do i feel like i got the very short end of the stick??
     What a R.I.P.

          de km4jn

From 6524158085826695256
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,567b259a7c52e0c3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-23 00:38:57 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: Uniden hr2510/2600 conversion idea
Message-ID: <9006230304.AA21029@ucsd.edu>
Date: 23 Jun 90 03:04:39 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 2
Posted: Sat Jun 23 04:04:39 1990

I'd say leave them alone, get convertors and transverters, and get on
UHF and higher.


From -2729870334876497770
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,48d858f8ce8288f6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-23 00:43:33 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!tekfdi!videovax!bill
From: bill@videovax.tv.tek.com (William K. McFadden)
Newsgroups: rec.ham-radio
Subject: Re: Strange RFI
Message-ID: <5864@videovax.tv.tek.com>
Date: 22 Jun 90 20:45:59 GMT
References: <54550@lanl.gov>
Reply-To: bill@videovax.tv.tek.com (William K. McFadden)
Organization: Tektronix TV Measurement Systems, Beaverton OR
Lines: 11
Posted: Fri Jun 22 21:45:59 1990

Is there a television set operating nearby?  I get all kinds of RFI from my TV,
and a bit from the neighbors'.  The horizontal oscillator operates at
15.734 KHz.  A high-voltage sawtooth makes a wonderful harmonics generator.
The interference is modulated at 60 Hz by the picture brightness.  On my
SW receiver it sounds like a buzz that changes in loudness when the TV scene
changes.
--
Bill McFadden    Tektronix, Inc.  P.O. Box 500  MS 58-639  Beaverton, OR  97077
bill@videovax.tv.tek.com,     {hplabs,uw-beaver,decvax}!tektronix!videovax!bill
Phone: (503) 627-6920       "The biggest difference between developing a missle
component and a toy is the 'cost constraint.'" -- John Anderson, Engineer, TI


From 2004405396203595197
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95580c46a828efa5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-23 00:53:52 PST
```

Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Amateur Auxiliary
Keywords: QRM, Illegal
Message-ID: <2536@anasaz.UUCP>
Date: 22 Jun 90 21:12:18 GMT
References: <54551@lanl.gov>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 48
Posted: Fri Jun 22 22:12:18 1990

In article <54551@lanl.gov> rdw2030@venus.tamu.edu writes:
]
]Are there any members of the Amateur Auxiliary here? What ability does the
](ahem) AA :-) have to help control this sort of crap that's going on on 20M
]and elsewhere? I would love to get in on such an activity. Just tuning
]around, I hear so much garbage and feel helpless to do anything about it, as
]many others have stated here.
Yes, am a member of Amateur Auxiliary (OOC, AZ). There's not a damn
thing we can do about the problem on 20 meters. The AA basically
has three ways of dealing with these sorts of problems:
  (1) Education - let an offender know that he/she is in violation of
      either FCC rules or good amateur practice.
  (2) Peer Pressure - let an offender know that he/she is not going to
      get approval from other amateurs for his/her activities.
  (3) Assist the FCC in gathering information necessary for
      a prosecution.

When there are people who are very familiar with the rules and with
standard amateur practice, and who don't give a damn what other
people think, (1) and (2) don't work. We all know the problems with
#3.

]
]How does the Auxiliary work? I guess I can whip out the Handbook. Hmmm...
]precious little. It refers to an article in QST of Aug '84.
]
]But hey, if we all write to our section managers (the guys that control the
]Auxiliary for their area) and find out about this, maybe we CAN do something!
]
]I'm not one to advocate "tattling" on a fellow ham, but if he is deliberately
]abusing the privilege, than screw it! Let the FCC know and hope that $1000
]fine does the trick!

Don't go to the FCC. Do go to your SM and get involved in the AA program.
]
]What do you all say? I have not heard of ANYONE being in the Aux., nor have I
]heard any mention of it in all my many years of hamming. (1.5, to be
]precise!) :-)

It's not our job to make a lot of noise. It also varies greatly from
one ARRL section to another.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253
Voice: (602) 951-9326 FAX:602-861-7642 Advice: Long palladium, Short Petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -6670625618326605408
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38dd5bbd21d6497d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-23 01:06:24 PST
Path: gmdzi!unido!mcsun!uunet!stretch.cs.mun.ca!leif!jcraig
From: jcraig@kean.ucs.mun.ca
Newsgroups: rec.ham-radio
Subject: Re: 20 Metre Mess
Message-ID: <98307@kean.ucs.mun.ca>
Date: 22 Jun 90 11:29:08 GMT
Organization: Memorial University. St.John's Nfld, Canada
Lines: 3
Posted: Fri Jun 22 12:29:08 1990

Leave the Phonies to their own devices... as long as they leave me
alone.   CW FOREVER!!!!!

From 2981491644139180049
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-23 01:07:44 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!pt.cs.cmu.edu!
rochester!newkodak!kodak!ornitz
From: ornitz@kodak.UUCP (Barry Ornitz)
Newsgroups: rec.ham-radio
Subject: The Demise of HR Magazine and Comments on CQ
Keywords: amateur radio, magazines, Ham Radio, CQ, subscriptions, sour grapes
Message-ID: <2480@kodak.UUCP>
Date: 23 Jun 90 03:15:36 GMT
Organization: Eastman Kodak Co., Rochester, NY
Lines: 87
Posted: Sat Jun 23 04:15:36 1990

Like many others who have commented lately about the dubious quality of CQ
magazine, I feel a great loss at the demise of Ham Radio Magazine. When I
read that HR had been sold to CQ in last month's HR, I first felt a great loss
which turned to anger when I realized that I had just sent in a three year
renewal. The thought that any of my hard-earned (or even not so hard-earned)

money would go to a subscription to CQ riled me. The numerous times I have read CQ have convinced me that the magazine is tailored for contesters and appliance operators. While I have no complaint with people who get their kicks out of contesting, it is not for me (except maybe Field Day). The technical content of CQ is about the worst of any ham radio publication I have ever seen. It is certainly not for my tastes!

I decided to call the subscription office of Ham Radio and see if my renewal could be cancelled. I spoke with a very nice lady whose name I do not remember. She said that I could certainly cancel my subscription and get a refund. When I told her my subscription number, she remarked that I had been reading Ham Radio for a long time - since early 1971. I said yes, and that I was sorry to see it go - especially to CQ. She remarked that I was not alone and that a very large number of other hams were doing as I had done: cancelling their subscription immediately and asking for a refund. It was rather sad talking to this lady, who obviously was not happy with the events either. She said the decision was purely a financial one on the part of their owner, even though a number of the staff felt that CQ was the wrong magazine to sell to. Ham Radio realized that their audience was a specialized one leaning heavily toward technical topics and that CQ was just the opposite.

Well, I received a CQ magazine the other day and the mailing label indicated that I had three years and a few months of subscription left. Perhaps they have not had time to cancel it yet, or perhaps my cancellation got lost in the shuffle. In any event, I will call them in a few days to see what happened. I certainly expect that all of my renewal fee should be refunded.

In any event, if enough former Ham Radio subscribers cancel what is left of their subscription to CQ, it should deliver a quite powerful message: the amateur radio community still supports a technically oriented magazine and that CQ is inadequate. Perhaps CQ will come around and greatly improve their technical content. If they make enough of an improvement, I'll subscribe. In the mean time, I renewed my membership in the Applied Computational Electromagnetics Society, and I am looking into some of the European amateur radio journals. Perhaps others on the net can make suggestions about some of the smaller technical newsletters on VHF/UHF/microwaves. I am open to all suggestions. For those of you who are eligible for a free subscription, RF Design is an EXCELLENT magazine.

BTW, when I sent in my renewal to Ham Radio in April, I asked for an author's guide so I could submit an article. As far as submitting it to CQ, no thanks! Unfortunately it is a fact of life that when an advanced construction article is published in a magazine like CQ, a large number of people may attempt the project who really have no business doing so. The poor author gets stuck with a number of irate letters and lots of dumb questions. Well, technical questions are good and I enjoy answering them - but I don't have the time for such things as: "I substituted a Radio Shack 2N2222 for the GaAs FET and I used masking tape instead of PTFE. I used 1 microfarad mylars from my old speaker crossovers instead of the tantalum electrolytics. Why doesn't it work like you said on page 23? I know I followed your article exactly, and I have lots of experience. Why I built that 10 minute ID timer last year from the pre-etched circuit board with all the parts from my local Radio Shack!" And he doesn't even send a SASE....

I do not mean to sound elitist, but unless the technical competance of the average reader is at least somewhat near that of the audience the author intended, the highly technical article is a waste. Don't get me wrong, though. I am very much in favor of improving the technical know-how of hams. It is just that I would have to write on a far less technical level if I were trying to tailor an article for the average CQ reader. Someone has suggested that the way to improve CQ is to flood them with good technical articles. Perhaps. I hope so. But I doubt if CQ will risk losing its far larger circulation of DXers and contesters by running many highly technical articles in place of contest announcements and product "reviews" of faithful advertizers.

And before the DXers and contesters complain, let me again say that you deserve your own specialized magazine. These activities are just not for me, and I don't want to pay for a magazine that does not fit my interests.

Well, tomorrow is Field Day and I have to get the rigs ready for the mountain top! The motorcycle battery is charging and Murphy is warming up! 73
Barry WA4VZQ

```
 -----------------
|  ___  ________  |       Dr. Barry L. Ornitz          WA4VZQ
| |  / /       | |  UUCP:  ....rutgers!rochester!kodak!ornitz
| | / /        | |       Eastman Kodak Company
| |< < K O D A K| |       Eastman Chemical Company Research Laboratories
| | \ \        | |       P. O. Box 1972, Building 167B
| |__\ \_______| |       Kingsport, TN  37662       615/229-4904
|                 |  INTERNET:   ornitz@kodak.com
 -----------------
```

From -4589013635686712220
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3e227ebfc59d37e0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-23 01:11:58 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!rutgers!maverick.ksu.ksu.edu!matt.ksu.ksu.edu!steve
From: steve@matt.ksu.ksu.edu (Steve Schallehn)
Newsgroups: rec.ham-radio
Subject: Re: HR mag
Keywords: sigh...
Message-ID: <1990Jun23.042526.6014@maverick.ksu.ksu.edu>
Date: 23 Jun 90 04:25:26 GMT
References: <8205@b11.ingr.com>
Sender: news@maverick.ksu.ksu.edu (The News Guru)
Organization: Kansas State University
Lines: 24
Posted: Sat Jun 23 05:25:26 1990

herbster@b11.ingr.com (Joe Herbster) writes:

>I got my fist license the year HAM-RADIO magazine started publishing. I have
>now received my first EVER issue of "Contest-Quarterly" as a consolation prize.
>   Why do i feel like i got the very short end of the stick??
>   What a R.I.P.
>   de km4jn

I would tend to agree with you. My consolation prize of CQ magizine came
in the mail this week. Sorry, I am an experimenter, not a appliance
operator. CQ just does not cut it!

I wonder if QEX from the ARRL is any good as an experimentation magazine?
Someone has to come out with a new HR! Someone has to!

-Steve Schallehn, KB0AGD
 Kansas State University ARC, W0QQQ
--
____
```
Steve Schallehn           | Internet : steve@ksuvm.ksu.edu
Kansas State University   | UUCP : ..!rutgers!ksuvax1!ksuvm.bitnet!steve
Manhattan, Kansas 66506   | Bitnet   : STEVE@KSUVM
```

From 5834960213576252347
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,89c84da0b91c19a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-23 01:40:22 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!decwrl!
ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: 20 meter mess
Message-ID: <7880162@hpfcdc.HP.COM>
Date: 22 Jun 90 21:54:34 GMT
References: <329@e2big.enet.dec.com>
Organization: HP Ft. Collins, Co.
Lines: 7
Posted: Fri Jun 22 22:54:34 1990

>I have an idea. Eliminate voice as a legal mode in Amateur radio.
>
>Al N1AL

The jamming was in CW - well N0N, but that's close enuf. Eliminate CW. :-)

Perry/KF0CA

From -7889194053543664423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,699f7715a9af863c
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-06-23 02:11:30 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!hplabs!hpfcso!hpfcdc!jle
From: jle@hpfcdc.HP.COM (Jer Eberhard)
Newsgroups: rec.ham-radio
Subject: Re: Re: Info-Hams Digest V1 #32
Message-ID: <7880161@hpfcdc.HP.COM>
Date: 22 Jun 90 19:50:02 GMT
References: <782A9ADDA73F005DBE@NKUVAX.BITNET>
Organization: HP Ft. Collins, Co.
Lines: 15
Posted: Fri Jun 22 20:50:02 1990

> Interesting! I heard a ham call used by the Higgins character in the
> Magnum series. It was N6DBZ. Anybody know who it belongs to - a
> TV producer or tech or friend of one of the writers, etc etc??

Subject: Re: N6DBZ

N6DBZ (E, exp 98333)
MICHEL TER SARKISSOFF
8680 BODEGA HWY
SEBASTOPOL, CA 95472

```
Jer/ Eberhard, (SLASH), HAM = N0FZD | Hewlett-Packard - MS99, 1UP10, 15' East
CAP SAR Pilot, COMM,INST,CFI-GLIDER | 3404 East Harmony Road  (303) 229-2861
UUCP:hplabs!hpfcla!jle              | Fort Collins, Colorado  80525-9599
ARPA:jle%hpfcla@hplabs.HP.COM
```

From -2679179049743976168
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b642f75bd13ccb06,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109c0d,b642f75bd13ccb06,start
X-Google-Attributes: gid109c0d,public
X-Google-Thread: 105d97,b642f75bd13ccb06,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-06-23 06:08:50 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!rutgers!rochester!rit!cci632!ccicpg!conexch!root
From: root@conexch.UUCP (Larry Dighera)
Newsgroups: misc.forsale,rec.ham-radio,sci.electronics
Subject: Books on Early Electronics For Sale
Message-ID: <42053@conexch.UUCP>
Date: 22 Jun 90 18:14:19 GMT
Reply-To: root@conexch.UUCP (Larry Dighera)
Organization: The Consultants' Exchange, Orange County, CA. (714) 842-6348
Lines: 57
Xref: gmdzi misc.forsale:1657 rec.ham-radio:12334 sci.electronics:7182
Posted: Fri Jun 22 19:14:19 1990

Here is a list of the wireless electronics books that I would like to sell:

1. Modern Views of Electricity
   Oliver Lodge

` 2. Talks About Radio
   Oliver Lodge

3. Conqueror of Space
   Biography of Lee De Forest

4. Man of High Fidelity, Edwin Armstrong
   Biography

5. Loki, The Life of Steinmetz
   Biography

6. From Immigrant to Inventor, Pupin
   Biography

7. Radio Telephony,
   Goldsmith, 1918

8. Elements of Electricity.
   Millikan, 1919 $100

9. Experimental Electrical Engineering
   Karapetoff, 1909, First Edition $100

10. Principales Underlying Radio Communications
    U. S. Army Signal Corps, 1921

11. Hjemmets Radio, Norwegian, 1934

12. Standard Handbook for Electrical Engineeres
    1915, 1983 pages

13. Radio for Everybody, 1922

14. ICS Handbook for Electrical Engineeres, 1908

15. Radio Laboratory Handbook, British

16. Hawkins Electrical Guide,
    Ten Volumes, 1917

Contact me by E-mail or phone: (714) 842-2862
Larry Dighera

--
USPS: The Consultants' Exchange, PO Box 12100, Santa Ana, CA 92712

```
TELE: (714) 842-6348: BBS (N81); (714) 842-5851: Xenix guest account (E71)
UUCP: conexch Any ACU 2400 17148425851 ogin:-""-ogin:-""-ogin: nuucp
UUCP: ...!uunet!spsd!conexch!root || ...!ccicpg!conexch!root
```

```
From 7133501680727001566
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2910fe5e54d8a52,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109c0d,f2910fe5e54d8a52,start
X-Google-Attributes: gid109c0d,public
X-Google-Thread: 105d97,f2910fe5e54d8a52,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-06-23 06:38:39 PST
Path: gmdzi!unido!mcsun!uunet!seismo!ukma!rex!samsung!usc!apple!rutgers!rochester!
rit!cci632!ccicpg!conexch!root
From: root@conexch.UUCP (Larry Dighera)
Newsgroups: misc.forsale,rec.ham-radio,sci.electronics
Subject: Vintage Radio Equipment For Sale
Message-ID: <42052@conexch.UUCP>
Date: 22 Jun 90 18:12:41 GMT
Reply-To: root@conexch.UUCP (Larry Dighera)
Organization: The Consultants' Exchange, Orange County, CA.  (714) 842-6348
Lines: 57
Xref: gmdzi misc.forsale:1658 rec.ham-radio:12335 sci.electronics:7184
Posted: Fri Jun 22 19:12:41 1990
```

Thu May 31 12:03:12 PDT 1990

RADIOS:

1. Atwater Kent Model 10 "Radiodyne" breadboard. Rare model fully operational with 120V power supply, tubes, owner's manual, and Model M horn speaker. $1,000.00

2. Western Coil Model WC19 "Radiodyne" mint conditon and working. $200.00

3. R C A Radiola III and Balanced Amplifier with tubes. $200.00

4. Priess "Stright Eight" with loop antenna. $185.00

5. Grebe "Synchrophase" excelent condition. $195.00

6. Philco Model 90 "cathedral" $495.00

7. Kennedy Model 20 Type 440 with tubes. $175.00

SPEAKERS:

1. Burns curved "petal" horn speaker, sounds great. $250.00

2. Western Electric Model 540-AW paper cone, works. 60.00

3. Bristol Baby Grand hard rubber horn speaker. $55.00

4. Atwater Kent Model "R", rare. $80.00

5. Sonochord paper cone with cloth front, mint, nice. $80.00

6. Music Master wooden horn speaker, nice. $130.00

7. Small Magnavox metal horn speaker, works. $65.00

MISC.

1. F. B. Myers RAC3 "Audion" new in box. $125.00

2. '99's, 01A's,... $10.00 - $25.00

3. Rider Manual I-V Abridged $35.00

4. Rider Manual II $30.00

5. Books ... Fine historical colletcion. Offers accepted.

Contact me via E-mail or phone: (714) 842-2862
Larry Dighera

--
USPS: The Consultants' Exchange, PO Box 12100, Santa Ana, CA 92712
TELE: (714) 842-6348: BBS (N81); (714) 842-5851: Xenix guest account (E71)
UUCP: conexch Any ACU 2400 17148425851 ogin:-""-ogin:-""-ogin: nuucp
UUCP: ...!uunet!spsd!conexch!root || ...!ccicpg!conexch!root

From -6778704009084878383
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,167328f3b327132d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-23 07:26:23 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!cmcl2!lanl!rdw2030@venus.tamu.edu
From: rdw2030@venus.tamu.edu
Newsgroups: rec.ham-radio
Subject: HR
Message-ID: <55065@lanl.gov>
Date: 23 Jun 90 14:47:21 GMT
Sender: news@lanl.gov
Reply-To: rdw2030@venus.tamu.edu
Organization: TAMU
Lines: 7
Posted: Sat Jun 23 15:47:21 1990

Unfortunately, I never really knew about Ham Radio magazine. I have some old issues (early late 70's, early 80's) but just assumed they weren't around anymore. Maybe it's a good thing, because I'm not in mourning over it. I am sad to see a quality publication go, though. I am an experimenter, too, just starting in RF projects.

Mark C. Lowe - KB5III

From -3938354314729481606
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a776c9fdbe73ffc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-23 07:34:16 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!ukma!husc6!bunny!dhp1
From: dhp1@GTE.COM (David Pascoe)
Newsgroups: rec.ham-radio
Subject: Kenwood TM-701A Crossband Repeater Mod Prob
Keywords: low audio
Message-ID: <9334@bunny.GTE.COM>
Date: 23 Jun 90 14:00:17 GMT
Organization: GTE Laboratories, Inc., Waltham, MA
Lines: 11
Posted: Sat Jun 23 15:00:17 1990

I just finished the crossband repeater mod on my TM-701A dual-band mobile rig. After running several tests I discovered that the repeated audio is extremely low. Has anyone else seen this problem? The circuitry in the TM-721/731 should be the same.....

Any help would be appreciated....

73

```
--
Dave Pascoe KM3T/1       |  Internet: pascoe@edcd.gte.com OR dhp1@gte.com
617-455-5704             |      UUCP: ....!gte.com!edcd.dnet!pascoe
```

From -4433262367534804809
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,695ef217ba4d93b1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,695ef217ba4d93b1,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-06-23 08:09:04 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!watserv1!watmath!att!tsdiag!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: News From OSCAR-11 08Jun90
Keywords: Amateur Satellite News From SPACE
Message-ID: <310@ka2qhd.UUCP>
Date: 23 Jun 90 15:09:04 GMT
Organization: KA2QHD - OCEAN NJ
Lines: 98

Xref: gmdzi rec.ham-radio:12352 sci.space:13497
Posted: Sat Jun 23 16:09:04 1990

```
* UOSAT-2 OBC STATUS INFORMATION *

DIARY OPERATING SYSTEM V3.1 SMH MLJM MSH

 Today's date is 23 /6 /90  (Saturday)
 Time is 14 :22 :38 UTC
 Auto Mode is selected
 Spin Period is - 288
 Z Mag firings  = 0
 + SPIN firings = 27
 - SPIN firings = 12
 SEU count      = 361
 RAM WASH pointer at C80E
 WOD commenced 23 /6 /90 at 0 :0 :8
 with channels 10 ,11 ,19 ,29 ,
 Last cmnd was 109 to 0 , 0
 Attitude control initiated, mode 1
 Digitalker active
```

**** UoSAT-OSCAR-11 BULLETIN - 217   08 June 1990 ****

UoSAT MISSION CONTROL CENTRE
University of Surrey, Guildford, Surrey, GU2 5XH, England

** UoSAT-OSCAR-14 **

A new version of the PCE Housekeeping Integration Task (HIT) has been uploaded to the spycecraft. In addition to providing telemetry and file broadcast, this version also incorporates digipeating. The digipeat callsign is UOSAT3 (SSID 0). All binary data (e.g. telemetry & broadcast packets) will now be sent from UOSAT3-11 to allow filtering with the LCALLS command.

** CPE DETECTS SOLAR FLARE **

The Cosmic Particle Experiment (CPE) on UO-14 has been monitoring the LEO radiation environment since late April. On Mondqy 21st May, at just before Midnight, the CPE picked up enhanced activity at high latitudes, in which the particle count rate grew by two orders magnitude, peaking after about 8 hours - indicating that a solar flare had occurred. There was then a slow decay until about 22:00 hours on Thursday 24th, when there was a very sudden increase in auroral region activity - again about two orders of magnitude. This activity decreased rather more slowly, with further enhancements occurring on the evening of the 26th May and the morning of the 28th. Since then, the activity has decreased, reaching its 'normal' level by 1st June. Data from this experiment are collected and analysed at UoSAT Mission Control before being passed on to RAE Farnborough.

** 5th AMSAT-UK/UoSAT Colloquium **

The 5th AMSAT-UK/UoSAT Colloquium is taking place at the University of Surrey, England from July 26th - 29th 1990. As usual, there will be a varied programme of lectures for both the beginner and the experienced operator. Booking forms must be returned by 1st July 1990. Further details are available from Ron Broadbent, G3AAJ at AMSAT-UK.

** AO-13 **

The present transponder schedule for AO-13 is as follows:

Mode-B : MA 000 to MA 100
Mode-JL : MA 100 to MA 125
Mode-LS : MA 125 to MA 130 (Mode S Beacon only)
Mode-S : MA 130 to MA 135
Mode-BS : MA 135 to MA 140
Mode-B : MA 140 to MA 256
Omnis : MA 220 to MA 040

The best estimate of the current attitude is:

BLON = 179 and BLAT = -2.1 for 04 Jun 90

Cross mode B and S QSOs are possible during MA 135 to 140.

** AO-10 **

AMSAT-OSCAR-10 appears to be receiving sufficient solar panel illumination to support Mode-B transponder operations, therefore, the transponder is available for general use whenever AO-10 is in view at your location. Please DO NOT use the transponder if the signals are FMing. The current estimate of AO-10's attitude is LON 24 deg LAT -9 deg.

** BID **

Please use BID $UOSAT.217 when copying to the packet network.

--
AMPR : KD2BD @ NN2Z (Neptune, NJ)
UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
"For every problem, there is one solution which is simple,
neat and wrong." -- H.L. Mencken

From 832773064897131145
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bce5b7fb64356de

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-23 09:34:04 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Making ham radio known
Message-ID: <202@ultrix.uhasun.hartford.edu>
Date: 23 Jun 90 14:39:20 GMT
References: <9006172224.AA03527@ucsd.edu> <7880159@hpfcdc.HP.COM> <164@bongo.UUCP>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 83
Posted: Sat Jun 23 15:39:20 1990

In article <164@bongo.UUCP>, julian@bongo.UUCP (Julian Macassey) writes:

> Now my beef is that the ARRL is not pushing the science angle to the public. The constituency of the ARRL is HF Contesting. Don't believe me? Read QST. Then see who the elected officers are, certainly in my neck of the woods, they are all DXCC (No AT&T endorsement) types.

Maybe that's because the experimenter/scientist types consider themselves above mere "politics." Hey, the voters can't vote for a person who isn't a candidate. As long as the technical types stay out of the political arena, they will be poorly represented. This is as true of the ARRL Board of Directors as it is of any other political body.

> Remember what happened to the Microwave column in QST? What happened to QEX? Then Ham Radio Mag just died. CQ Mag the home of "How I worked the contest from the Djibouti Hilton" type articles is doing fine. When the contesters finally die what are we going to do?

Ummm... what specifically are you referring to with QEX? I can tell you that the biggest problem with QEX is that people don't submit good material for it. On numerous occasions, the editors have suggested that a piece submitted for QST go into QEX, only to have the author leave in a snit. The reality is that the technical level of QST is going to approach (hopefully from above) the technical level of the _average_ ham, not the techie. (That's one reason why Ham Radio was successful for so many years--little competition in its niche market.) If people want to get highly technical information published by ARRL, QEX and the conference proceedings are the only available forums. (BTW, the technical editors probably wouldn't agree with that statement, but I think they would agree that a "simple but engaging" project has a better chance of appearing in QST than a highly technical one.)

> Today I called the ARRL to see if they had any Public Service Announcement (PSA) Videos. A PSA is really a free ad that stations run as filler, they sometimes make it on the air early Sunday morning. I was told they had one with Ronnie Milsap. I will have it in a week or two and see what it is like. How about a video of a group of guys at consoles at JPL or somewhere saying that they started life wondering about ham radio and now they steer spacecraft across the heavens. How about an airline pilot on a flight deck saying that he learned about

> foreign countries, weather and radio communications as a ham and the
> wonder of it all made him want to do it for a living so now he's a
> pilot. We must all know people who have prestigious careers because
> they became interested in amateur radio. Can't that too often about
> bowling.

A wonderful idea. It's worth suggesting directly to the folks in the Educational Activities Department at HQ. Write to Rosalie White. (They are getting some spots done by the ham astronauts, but I don't know the content.)

Understand, though, that resources--especially time--are hard to come by at ARRL HQ. The EAD has three people in it. Two of them work full time getting requested material out to the preople/clubs requesting it; the other one (Rosalie) has to do everything else, which includes planning the Educational conference, coordinating the SAREX missions, coordinating the generation and publication of lesson plans, etc. So don't expect that they can initiate a large-scale program and carry it through. What works best is when volunteers do more than just come up with good ideas. If you can locate someone capable of producing the spots, locate the people to appear in them, get scripts written, shoot the spots, title them, and deliver them to ARRL HQ, maybe they'll get distributed, but it would be better to locate someone to take care of distribution too. It's not that we don't care, it's that we don't have the time and the money to do all of the good things that you (and we) would like us to do. I don't remember the exact numbers, but in the last ten years the number of staff has stayed nearly constant while the membership has increased by something like 40%. (That's probably not the right number, but the point is the number has increased a lot.) So things are operating about full-out at HQ.

>   Let's interest people in the science of it all. If you just like to
> yak, you can bowl. If you like to be rude and obnoxious, rather than
> contesting, you could sell encyclopedias door to door. If we get

Part of the problem we have now is the "I'm OK, you're not" attitude reflected by comments like those. Ham radio has a lot of facets, and bickering between the proponents of one thing or the other is not helpful to anyone.

```
--
Jon Bloom, KE3Z                             | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu        |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

```
From 5356655389925133140
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3e227ebfc59d37e0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-23 09:34:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
```

Newsgroups: rec.ham-radio
Subject: Re: HR mag
Keywords: sigh...
Message-ID: <203@ultrix.uhasun.hartford.edu>
Date: 23 Jun 90 14:43:05 GMT
References: <8205@b11.ingr.com> <1990Jun23.042526.6014@maverick.ksu.ksu.edu>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 14
Posted: Sat Jun 23 15:43:05 1990

In article <1990Jun23.042526.6014@maverick.ksu.ksu.edu>, steve@matt.ksu.ksu.edu
(Steve Schallehn) writes:
> I wonder if QEX from the ARRL is any good as an experimentation magazine?

It's as good as the material submitted to it--no better.

I see a lot of people p*ssing and moaning about the lack of technical
material. I _don't_ see those people writing and submitting articles.

How about it, folks?

--
```
Jon Bloom, KE3Z                             | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu        |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

From -6049194232159544684
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bce5b7fb64356de
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-23 11:43:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!usc!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Making ham radio known
Summary: "Vote? Do you really think the government would let us hold elections
Message-ID: <14575@ucsd.Edu>
Date: 23 Jun 90 16:56:52 GMT
Organization: The Avant-Garde of the Now, Ltd.
Lines: 66
Posted: Sat Jun 23 17:56:52 1990

Expires:
Sender:
Followup-To:
Distribution:
Organization: The Avant-Garde of the Now, Ltd.
Keywords:

>Maybe that's because the experimenter/scientist types consider themselves
>above mere "politics."

Actually, that statement reflects that

1) the speaker isn't an experimenter/scientist type
2) he doesn't understand the experimenter/scientist type
3) he considers himself a politician
4) he thinks that e/s types think they're superior
5) political types think they're superior
6) he like you to think the same

a lot of baggage to pack into one sentence. But let me provide an alternative view:

I've been in ham radio politics - I'm not well suited for it. It's not very different [from my perspective] from ordinary politics - you'd expect that. But it's very different from the world that the experimenter/scientist works in every day.

To an experimenter (or even more so, a scientist), the world is a rational place, where there are rules which strictly determine the effect from the causes. Often these are simple rules, linear, predictable, comfortable. Sometimes they are complex, as are the non-linearities of the chaoticists.

But it is a comfortable rational world, where all you have to do to make it work for you is learn the rules and extrapolate them to cover your situation or experiment. Never do rules work against their own nature, or out of spite, or for hidden reasons or to further covert agenda. And the scientist likes this comfortable rational world, where all pull together to further the one cause of knowing and doing more. In science, those who don't reason scientifically don't last long.

The political world isn't like that. Oh, it has its rules, but they are not linear, nor predictively chaotic. They are, in the main, based on estimating the worst possible motives of all concerned and the irrationalities of the common man, coupled with the need to attain and maintain power and control. In a sort of Darwinism, the political world breeds that type of person - those who cannot control do not last.

This is regrettably necessary, as people will not be governed by rational men, for the people themselves are not rational. They will not stand for strict rational control. Indeed, out of the desire for rational control grew some of the worst dictatorships of history, better only than those governed by madmen.

So the scientist (or experimenter) is not well suited to politics.

So don't ask the scientist to play politics, and don't ask the politicians to play science.

Their minds are of different bents and do not easily change.

Instead, they have to work together to determine what is best balanced agains what is really achievable.

There must be some way to help this happen in the ARRL and the rest of
amateur radio. I don't think we've been very successful so far.

- Brian

From 7722869750981362556
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3e227ebfc59d37e0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-23 14:21:40 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: HR mag
Keywords: sigh...
Message-ID: <2547@anasaz.UUCP>
Date: 23 Jun 90 16:22:40 GMT
References: <8205@b11.ingr.com> <1990Jun23.042526.6014@maverick.ksu.ksu.edu>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 29
Posted: Sat Jun 23 17:22:40 1990

In article <1990Jun23.042526.6014@maverick.ksu.ksu.edu> steve@matt.ksu.ksu.edu
(Steve Schallehn) writes:
]herbster@b11.ingr.com (Joe Herbster) writes:
]
]
]>I got my fist license the year HAM-RADIO magazine started publishing. I have
]>now received my first EVER issue of "Contest-Quarterly" as a consolation prize.
]>   Why do i feel like i got the very short end of the stick??
]>   What a R.I.P.
]>   de km4jn
]
]I would tend to agree with you. My consolation prize of CQ magizine came
]in the mail this week. Sorry, I am an experimenter, not a appliance
]operator. CQ just does not cut it!
]
Yeah... me too. I think I'll wait a couple of months to see if they
start running interesting stuff before I cancel my subscription.

]I wonder if QEX from the ARRL is any good as an experimentation magazine?
QEX is a fine magazine. Unfortunately it is quite small... only a couple
of articles (plus some columns) per issue. One nice thing about QEX
is occasionally they have articles that are essentially calls for discussion
on various issues. If you don't get QEX, I recommend it.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {ames!ncar!noao!asuvax,mcdphx}!anasaz!john
USnail: 7525 Clearwater Pkwy, Scottsdale,AZ 85253
Voice: (602) 951-9326 FAX:602-861-7642 Advice: Long palladium, Short Petroleum

Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

```
From -8131664211816918790
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e61ab78f338d9b4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-23 16:51:36 PST
Path: gmdzi!unido!mcsun!uunet!samsung!crackers!cpoint!die
From: die@cpoint.UUCP (David I. Emery)
Newsgroups: rec.ham-radio
Subject: Re: The Saturday REAL EBS test
Message-ID: <5677@cpoint.UUCP>
Date: 23 Jun 90 22:03:09 GMT
References: <9006201317.AA21484@ucsd.edu>
Reply-To: die@cpoint.UUCP (David I. Emery)
Organization: Clearpoint Research Corp., Hopkinton Mass.
Lines: 58
Posted: Sat Jun 23 23:03:09 1990
```

In article <9006201317.AA21484@ucsd.edu> SPADGETT@AUDUCVAX.BITNET writes:

>
>Several people have mentioned about the Saturday in 1971 the
>news wire services transmitted the EBS message that said an
>attack on the United States had been detected.

I think I have pointed this out before, but this thread reminds me again... I have a friend who worked on computerizing the UPI wire service in the early to mid 70's (used RCA's Spectra-70 IBM 370 clones). He told me that before this incident the Cheyanne Mountain Norad complex was hard wired into the distribution network for the UPI and AP broadcast wires so that any time they sent characters down the wire from their end it would automatically disconnect the New York national feed or local feeds from state offices and run the Norad message. No editor at AP or UPI got to review the message, control of the wire was completely in the hands of the Norad operator's Teletype as soon as he started a (paper) tape rolling.

After the incident they disconnected all of that magic and of the late 70's (much could have changed since then of course) all the Norad message did was interrupt the editors in New York who could then decide to run it on the wire.

One scary thing about the way they computerized the UPI was that all wires for everywhere went through the main computer complex (initially in New York City, since moved to Texas (Dallas ?)). If the main complex went out there would be no UPI anywhere. The AP took a more conservative approach and had local computer equipment in each state office that could at least originate local news feeds and network to the other local offices if the national (New York) wire control points died.

I haven't kept up with the wire service's current configurations since the revolution in computing power on a desktop and the more recent revolution in wideband digital communications via fiber. I know that the UPI and AP both used satellite systems in the 1980's to distribute news to end users (radio stations and newspapers) and to their offices, but whether they still do, and how they currently handle the control of their national streams of news is unclear to me. In the 70's most news was distributed either by a FDM multiplexed 120 hz channel spaced low speed FSK system carrying 5 level Baudot (used for all the radio and TV wires) and 6 level TTS (teletypesetter used for newspaper wires) or by 1200 baud ASCII (carried everything). Both were sent to the clients over leased private line voice grade data circuits. What is currently used I don't know, but with modern modems and micro's much more than just one stream of 1200 baud could be sent over a voice grade line, and of course a VSAT terminal can handle tens to hundreds of kbps over a two or three foot dish. (If anybody out there knows how things are now set up I'd be curious to hear).

--
David I. Emery   Clearpoint Research Corp.
35 Parkwood Dr, Hopkinton Ma. 01748 1-508-435-7462
{decvax, cybvax0, mirror}!frog!cpoint!die
{m2c}!jjmhome!cpoint!die,   Internet: die@cpoint.clearpoint.com

```
From 5535908958423270765
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6fa8938403d7cfc8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-23 18:45:21 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Audio mod for Icom IC02 and IC04
Keywords: mods
Message-ID: <100248@philabs.Philips.Com>
Date: 23 Jun 90 03:25:20 GMT
Sender: news@philabs.Philips.Com
Lines: 28
Posted: Sat Jun 23 04:25:20 1990
```

copied from packet:

```
 Msg# TSF  Size #Rd  Date  Time From   MsgID        To
28795 BF   1630   1 10-Jun 1416 KC4MCQ 25840_K6IYK  MODS@NYNET ()
  Sb: Icom 02 and 04 Audio Fix

  ===== AUDIO MODIFICATION FOR ICOM IC02 AND IC04 RADIOS =====
  ------------------------------------------------------------------------------
```

This audio mod works on the 02 and 04AT. It increases the level of audio, as well as rolling off some of the lows. Sounds real nice. It involves the circuit around Q105.

1. Replace C119 with a .01 uF cap (disc ceramic is fine).

2. Parallel R131 with a 1 uF cap (use a tantalum cap).

3. Parallel R132 with a .01 uF cap (disc ceramic is fine).

This is not the same mod as the one International Radio is advertising, which involves changing C117.

I tried an AB-1 Audio Blaster from Engineering Consulting, and was very unhappy with the results. I am very pleased with the audio given by this mod (much cheaper too!).

Note: I haven't tried or verified this, proceed at your own risk. WA2ISE

From 2707951456668987051
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bce5b7fb64356de
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 106082,da6972a78ee4de73,start
X-Google-Attributes: gid106082,public
X-Google-ArrivalTime: 1990-06-24 02:04:22 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!njin!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Making ham radio known
Message-ID: <205@ultrix.uhasun.hartford.edu>
Date: 24 Jun 90 02:57:52 GMT
References: <14575@ucsd.Edu>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 51
Posted: Sun Jun 24 03:57:52 1990

In article <14575@ucsd.Edu>, brian@ucsd.Edu (Brian Kantor) writes:
>
> >Maybe that's because the experimenter/scientist types consider themselves
> >above mere "politics."
>
> Actually, that statement reflects that
>   1) the speaker isn't an experimenter/scientist type
>   2) he doesn't understand the experimenter/scientist type
>   3) he considers himself a politician
>   4) he thinks that e/s types think they're superior
>   5) political types think they're superior
>   6) he like you to think the same
> a lot of baggage to pack into one sentence. But let me provide an
> alternative view:

I'll ignore the insults and simply remark that you infer considerably more than I implied. I _do_ think that a lot of s/e types consider themselves above politics. But then, so do the members of most every group--except politicians.

[much deleted]
> So the scientist (or experimenter) is not well suited to politics.

Gee, that doesn't say much for their adaptability, does it?

> So don't ask the scientist to play politics, and don't ask the
> politicians to play science.
>
> Their minds are of different bents and do not easily change.
>
> Instead, they have to work together to determine what is best balanced
> agains what is really achievable.

I don't accept that there is some irreversible dichotomy between the so-called "scientific" mind and the "political" one. Such a characterization is incredibly simplistic. It also runs counter to my experience (I do have some, in spite of what you assume). I do agree that all players must be involved in devising solutions to problems, which is all I was suggesting in the first place, one of the more effective ways of getting involved being to run for office.

> There must be some way to help this happen in the ARRL and the rest of
> amateur radio. I don't think we've been very successful so far.

No, and if the prevailing attitude is one of "leave politics to the politicians" we aren't likely to be.

--
Jon Bloom, KE3Z | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu |
Snail: 225 Main St., Newington, CT 06111 | "I have no opinions."

From -2498745238993578105
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,60a3fb88c17bf439,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-24 02:45:32 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9006240423.AA10646@ucsd.edu>
Date: 24 Jun 90 04:21:26 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 378

Posted: Sun Jun 24 05:21:26 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #711 -
Alouette 1
1 00424U 62B-A  1 90168.70700584  .00000194  00000-0  22260-3 0  3291
2 00424  80.4632 285.5609 0022255 272.8130  87.0472 13.67357195382760
ATS 3
1 03029U 67111  A 90169.61083641 -.00000074  00000-0  99999-4 0  3900
2 03029  13.2048  21.2123 0013764 209.8859 150.0238  1.00272775 82805
Cosmos 398
1 04966U 71 16  A 90172.56085894  .00071779  17552-4  40041-3 0  9373
2 04966  51.5172 228.0287 2267954 155.4638 217.3728 11.06870828592180
Starlette
1 07646U 75010  A 90165.39663347 -.00000037  00000-0  18111-4 0   840
2 07646  49.8192 169.4922 0205777 181.9634 178.0466 13.82139069775396
LAGEOS
1 08820U 76039  A 90169.20473505  .00000002  00000-0  00000 0 0   840
2 08820 109.8514 355.4704 0044569 237.9393 121.6955  6.38664272 74004
GPS-0001
1 10684U 78020  A 90171.42595927  .00000007  00000-0  99999-4 0  4370
2 10684  63.7567  89.4642 0116043 207.9070 151.4739  2.00557530 75917
GPS-0002
1 10893U 78 47  A 90167.41385619 -.00000025  00000-0  00000 0 0  1963
2 10893  64.2968 330.3615 0166499  24.4299 336.3788  2.00545376 88651
SeaSat 1
1 10967U 78064  A 90169.43698656  .00000944  00000-0  36908-3 0  3462
2 10967 108.0231 322.7349 0003123 231.6281 128.4614 14.35714487626635
GPS-0003
1 11054U 78093  A 90167.20229175 -.00000024  00000-0  00000 0 0  2370
2 11054  63.9268 326.7216 0060143 118.4839 242.1302  2.00567124 85668
Nimbus 7
1 11080U 78098  A 90172.29012292  .00000099  00000-0  11768-3 0  6810
2 11080  99.1949  77.1237 0009855  72.1461 288.0767 13.83439362588605
GPS-0004
1 11141U 78112  A 90168.79787832  .00000007  00000-0  00000 0 0  3880
2 11141  63.7131  89.4147 0059976 316.9543  42.5789  2.00557226 84399
GPS-0005
1 11690U 80 11  A 90168.93914504  .00000008  00000-0  00000 0 0  9904
2 11690  64.1783  91.5102 0116168 202.9906 156.4995  2.00556113 90255
GPS-0006
1 11783U 80 32  A 90172.73721227 -.00000024  00000-0  00000 0 0  1575
2 11783  63.7181 326.1110 0151057  60.7445 300.7515  2.00558097 74410
GOES 5
1 12472U 81049  A 90171.69289864 -.00000181  00000-0  99999-4 0  9370
2 12472   3.4898  75.8399 0002501 334.7230  24.8438  1.00218379 32264
```

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DE 1
1 12624U 81 70  A 90172.04046719  .00000418  00000-0  19338-2 0  4557
2 12624  89.0435 147.8534 6203010 281.0048  19.1270  3.51022568262252
SME
1 12887U 81100  A 90171.68570105  .00037441  00000-0  63830-3 0  7097
2 12887  97.6316 219.3445 0002135  60.4469 299.6947 15.51272493481815
Salyut 7
1 13138U 82 33  A 90172.71892332  .00035407  00000-0  36358-3 0  3380
2 13138  51.6023 281.2703 0000769 286.6913  73.3632 15.64565311465562
Cosmos 1383
1 13301U 82 66  A 90171.83392220  .00000133  00000-0  14472-3 0  5801
2 13301  82.9300 298.1003 0027851 147.5363 212.7513 13.67832765398174
LandSat 4
1 13367U 82 72  A 90172.04304150 -.00000019  00000-0  79924-6 0  3683
2 13367  98.1657 234.4962 0004572 111.8541 248.3191 14.57131459421866
IRAS
1 13777U 83  4  A 90170.35291732  .00000351  00000-0  26764-3 0  7837
2 13777  99.0276   7.1173 0013724  24.5337 335.6467 13.98800581 47244
Cosmos 1447
1 13916U 83 21  A 90171.61779284  .00000125  00000-0  12142-3 0  7300
2 13916  82.9436   9.5226 0038531 127.7444 232.7212 13.74046222363144
TDRS 1
1 13969U 83 26  B 90171.00000000  .00000129  00000-0  99999-4 0   111
2 13969   4.4889  65.5696 0001571  54.4040 337.2530  1.00273914 93148
GOES 6
1 14050U 83 41  A 90171.84268055  .00000110  00000-0  99999-4 0  1917
2 14050   2.2403  78.2756 0001686 258.5217 100.8038  1.00292057 10309
OSCAR 10
1 14129U 83 58  B 90163.39968501  .00000001  00000-0  00000 0 0  5290
2 14129  26.0015 199.7252 5965020 150.6381 263.1683  2.05879628 24630
GPS-0008
1 14189U 83 72  A 90171.76556490  .00000006  00000-0  99999-4 0  7794
2 14189  63.3570  87.7585 0147119 219.2367 139.7100  2.00705477 50831
LandSat 5
1 14780U 84 21  A 90172.07059127 -.00000342  00000-0 -70770-4 0  2275
2 14780  98.2053 232.0831 0000567 126.6055 233.5200 14.57108316335283
UoSat 2
1 14781U 84 21  B 90169.58912495  .00001625  00000-0  30884-3 0  7509
2 14781  97.9489 222.0956 0011372 243.6577 116.3475 14.65432665336172
GPS-0009
1 15039U 84 59  A 90171.87469294  .00000006  00000-0  00000 0 0  9592
2 15039  63.1040  86.9135 0021949 234.3941 125.4108  2.00612104 44114
Cosmos 1574
1 15055U 84 62  A 90170.17242414  .00000120  00000-0  11746-3 0  8903
2 15055  82.9570  60.8504 0027402 321.5786  38.3426 13.73360368300345
GPS-0010
1 15271U 84 97  A 90170.29128355 -.00000024  00000-0  00000 0 0  8621
2 15271  63.2121 325.7569 0105211 327.3740  31.9573  2.00556627 41192
Cosmos 1602
1 15331U 84105  A 90169.56775426  .00002778  00000-0  37866-3 0  3135
2 15331  82.5337 359.6328 0023773 332.6843  27.3135 14.78192508308298
NOAA 9
1 15427U 84123  A 90172.30266998  .00000542  00000-0  31393-3 0  5954
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2 15427  99.1676 172.2267 0015327   1.9416 358.1810 14.12601877284563
Cosmos 1686
1 16095U 85 86  A 90171.95241643  .00059475  00000-0  60586-3 0  6726
2 16095  51.6080 285.1580 0001449  30.4940 329.4545 15.64534414266542
GPS-0011
1 16129U 85 93  A 90168.98579620  .00000007  00000-0  00000 0 0  5491
2 16129  63.8823  88.0120 0123333 149.0756 211.6528  2.00510602 34375
Mir
1 16609U 86 17  A 90172.76073718  .00026387  00000-0  30221-3 0  7515
2 16609  51.6147 307.7072 0011048  63.3425 296.7817 15.61859519248814
SPOT 1
1 16613U 86 19  A 90171.73687454  .00000175  00000-0  91107-4 0  9932
2 16613  98.7342 246.1317 0001539 139.2265 220.9022 14.20018663 64437
Cosmos 1766
1 16881U          90172.40737064  .00003774  00000-0  52156-3 0   370
2 16881  82.5184  56.0495 0023734 339.5473  20.4780 14.77697927209771
EGP
1 16908U 86 61  A 90171.37293989 -.00000016  00000-0  19101-3 0  2292
2 16908  50.0075 246.2041 0011767 202.8455 157.1857 12.44387676175252
NOAA 10
1 16969U 86 73  A 90172.28185337  .00000486  00000-0  22966-3 0  4442
2 16969  98.5967 200.1358 0012309 257.1591 102.8208 14.23643091195190
MOS-1
1 17527U 87 18  A 90171.65763325 -.00000039  00000-0 -15942-4 0  5840
2 17527  99.1100 244.1660 0001300 102.1264 258.0014 13.94860756169743
GOES 7
1 17561U 87 22  A 90161.65641300  .00000079  00000-0  99999-4 0  5521
2 17561   0.0121 301.7081 0063038 358.7262  59.0452  0.99317656  5353
Kvant-1
1 17845U 87 30  A 90171.86490762  .00082318  00000-0  92401-3 0  1727
2 17845  51.6121 312.2418 0010830  60.2337 299.6211 15.61852643184720
DMSP B5D2-3
1 18123U 87 53  A 90172.29971071  .00000556  00000-0  31126-3 0  6161
2 18123  98.8193   2.8470 0015029  15.0939 345.0682 14.14063679154986
RS-10/11
1 18129U 87 54  A 90171.81336743  .00000134  00000-0  13451-3 0  2299
2 18129  82.9264 325.8470 0013220 107.0326 253.2224 13.72095123149940
Meteor 2-16
1 18312U 87 68  A 90170.78557919  .00000218  00000-0  18868-3 0  4419
2 18312  82.5545 288.2315 0010939 243.6165 116.3872 13.83653719143343
Meteor 2-17
1 18820U 88  5  A 90172.89461377  .00000155  00000-0  12865-3 0  2960
2 18820  82.5438 346.7171 0015818 315.1391  44.8495 13.84348230120830
DMSP B5D2-4
1 18822U 88  6  A 90172.91794690  .00000546  00000-0  26678-3 0  5192
2 18822  98.6470  51.8560 0005414 260.4843  99.5722 14.21479670123497
AO-13
1 19216U 88 51  B 90169.21205142  .00000183  00000-0  99999-4 0  1323
2 19216  56.9974 149.9110 6972403 229.4910  45.2756  2.09695778 15428
OKEAN 1
1 19274U 88 56  A 90171.85654817  .00001538  00000-0  21411-3 0  8316
2 19274  82.5157 155.2035 0023875 109.2023 251.1799 14.77034684105460
Meteor 3-2
```

```
1 19336U 88 64  A 90171.30534747  .00000391  00000-0  99999-3 0  5075
2 19336  82.5318 275.2112 0015982 310.2493  49.7114 13.16899625 91363
NOAA 11
1 19531U 88 89  A 90172.98691171  .00000501  00000-0  29549-3 0  2950
2 19531  98.9822 121.3021 0011291 272.4805  87.5060 14.11633376 89649
TDRS 2
1 19548U 88 91  B 90161.76543195  .00000114  00000-0  99999-4 0  1357
2 19548   0.0907  88.8162 0003705  26.8285 244.3580  1.00274699   211
Cosmos 2001
1 19796U 89 11  A 90172.17907949 -.00001015  00000-0  99999-4 0  5179
2 19796  63.2395  92.3898 7085903 319.9032   5.2085  2.00642981  9887
GPS BII-01
1 19802U 89 13  A 90157.48846768  .00000016  00000-0  99999-4 0  1318
2 19802  55.0571 197.8390 0055238 165.2883 194.9589  2.00642175  9537
Akebono
1 19822U 89 16  A 90171.62976481  .00001860  00000-0  12435-3 0  6515
2 19822  75.1095 237.1597 4176621 219.6351 101.0174  7.11210961    89
Meteor 2-18
1 19851U 89 18  A 90171.63847248  .00000242  00000-0  20864-3 0  2422
2 19851  82.5192 225.7056 0016123   0.1614 359.9550 13.83985121 66048
TDRS 3
1 19883U 89 21  B 90162.00000000 -.00000234  00000-0  99999-4 0  1369
2 19883   0.1193  71.3863 0000120 162.1134 344.5358  1.00279466 74877
GPS BII-02
1 20061U 89 44  A 90157.19570991 -.00000032  00000-0  00000 0 0  1376
2 20061  54.7543  16.2374 0086335 172.7547 187.4207  2.00485469  7273
Nadezhda 1
1 20103U 89 50  A 90171.52293882  .00000134  00000-0  13087-3 0  1436
2 20103  82.9603 282.5371 0038892  31.0147 329.3288 13.73597098 48177
GPS BII-03
1 20185U 89 64  A 90171.09512743  .00000016  00000-0  99999-4 0  1293
2 20185  54.9291 198.1287 0023918 158.1710 202.0849  2.00625953  6126
Activnyi
1 20261U 89 80  A 90172.77756111  .00000694  00000-0  21547-3 0  5694
2 20261  82.5963 225.6521 1257611 328.0841  24.9618 12.43769122 33168
Activnyi RB
1 20262U 89 80  C 90169.28571788  .00000617  00000-0  19045-3 0  2447
2 20262  82.5967 227.9224 1261030 336.1895  18.5383 12.43211102 32726
Magion 2
1 20281U 89 80  B 90172.74567304  .00000961  00000-0  29790-3 0  5647
2 20281  82.5950 225.5961 1257204 328.0091  25.0260 12.44028410 33162
GPS BII-04
1 20302U 89 85  A 90158.92932112 -.00000028  00000-0  99999-4 0  1328
2 20302  54.6414 317.4514 0032318 318.4744  41.2700  2.00374314  4682
Meteor 3-3
1 20305U 89 86  A 90171.63988592 -.00000036  00000-0 -10881-3 0  1487
2 20305  82.5517 215.5580 0015334 324.2236  35.7865 13.15858946 31406
COBE
1 20322U 89 89  A 90171.12317209  .00004297  00000-0  28182-2 0  1397
2 20322  99.0203 181.2994 0009659   8.1232 352.0103 14.02393286 29905
Kvant-2
1 20335U 89 93  A 90171.92889242  .00077875  00000-0  87509-3 0  2757
2 20335  51.6133 311.9040 0009997  55.3453 304.5187 15.61858512 32343
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GPS BII-05
1 20361U 89 97  A 90156.17029847  .00000015  00000-0  99999-4 0   800
2 20361  54.9860 140.8057 0062556  46.6808 313.9547  2.00579991  3486
SPOT 2
1 20436U 90  5  A 90171.63135856  .00000294  00000-0  15603-3 0  2439
2 20436  98.7346 246.0829 0001128  82.2733 277.8573 14.20025623 21234
UO-14
1 20437U 90  5  B 90171.88813790  .00000563  00000-0  24025-3 0  1679
2 20437  98.6972 247.9857 0011417 139.1583 221.0451 14.28642103 21396
UO-15
1 20438U 90  5  C 90170.86188423  .00000376  00000-0  16638-3 0   958
2 20438  98.7014 246.9472 0010787 142.4110 217.7830 14.28382798 21247
PACSAT
1 20439U 90  5  D 90170.05686079  .00000584  00000-0  24775-3 0   851
2 20439  98.7039 246.2572 0012294 145.5192 214.6788 14.28745186 21138
DO-17
1 20440U 90  5  E 90168.79235554  .00000768  00000-0  32107-3 0   895
2 20440  98.7035 245.0046 0012120 148.5397 211.6509 14.28790263 20950
WO-18
1 20441U 90  5  F 90170.67209536  .00000633  00000-0  26654-3 0   911
2 20441  98.7035 246.9010 0012865 144.2589 215.9452 14.28889020 21229
LO-19
1 20442U 90  5  G 90170.52496173  .00000564  00000-0  23913-3 0   896
2 20442  98.7035 246.7695 0013515 145.3700 214.8365 14.28957434 21201
GPS BII-06
1 20452U 90  8  A 90147.83563653  .00000001  00000-0  99999-4 0   755
2 20452  54.5567 256.8002 0028456  44.6049 315.6465  2.00875970  2439
MOS-1B
1 20478U 90 13  A 90171.82820685  .00000075  00000-0  69125-4 0  3129
2 20478  99.1891 242.0325 0001262  77.7884 282.3441 13.94849028 18641
DEBUT
1 20479U 90 13  B 90169.17967046  .00000026  00000-0  87560-4 0   821
2 20479  99.0383 215.5008 0541780  46.3291 318.1420 12.83157754 16871
FO-20
1 20480U 90 13  C 90171.05366904  .00000026  00000-0  10651-3 0   836
2 20480  99.0390 217.0162 0541731  42.1674 321.9813 12.83138036 17112
MOS-1B R/B
1 20491U 90 13  D 90172.04979028  .00000167  00000-0  36082-3 0   882
2 20491  99.0364 221.6026 0471052  22.3165 339.7787 13.02735227 16908
Soyuz TM-9
1 20494U 90 14  A 90171.86491347  .00097497  00000-0  10912-2 0  1716
2 20494  51.6135 312.2269 0010720  61.1127 298.7892 15.61855087 20244
LACE
1 20496U 90 15  A 90171.77264232  .00006771  00000-0  41401-3 0  1746
2 20496  43.1004 303.0383 0012850   9.5804 350.5267 15.10703885 19069
RME
1 20497U 90 15  B 90172.65878206  .00012556  00000-0  35337-3 0  1779
2 20497  43.1102 271.8856 0014057   4.2180 355.8485 15.36320503 19527
Nadezhda 2
1 20508U 90 17  A 90171.65378911  .00000142  00000-0  14101-3 0  1001
2 20508  82.9535  57.3535 0044591 338.7687  21.1580 13.73216180 15489
OKEAN 2
1 20510U 90 18  A 90171.86398912  .00002112  00000-0  32342-3 0  1805
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2 20510  82.5267  94.3422 0017977 263.7789  96.1280 14.73199779 16614
INTELSAT-6
1 20523U 90 21  A 90172.28190577  .00007319  00000-0  51766-3 0  1846
2 20523  28.3450 236.7735 0016498 230.3449 128.4438 15.02917402 15065
GPS BII-07
1 20533U 90 25  A 90161.92445237 -.00000032  00000-0  00000 0 0   482
2 20533  55.0522  16.1760 0013220  57.8524 302.0320  2.00566529  1471
Offeq 2
1 20540U 90 27  A 90172.81744156  .01279835 -70756-4  15950-2 0  1601
2 20540 143.1802 183.2531 0443741 313.6997  42.8862 15.24811948 11539
PegSat
1 20546U 90 28  A 90172.56198062 -.00001710  00000-0 -10697-3 0  1238
2 20546  94.1201 217.4290 0148463 317.1437  41.8558 15.00457709 11497
HST
1 20580U 90 37  B 90171.52889924  .00002722  00000-0  29953-3 0   994
2 20580  28.4703 228.3351 0006133 166.0301 194.0409 14.84492270  8472
Cosmos 2075
1 20581U 90 38  A 90144.24709396 -.00004275  00000-0 -17923-3 0   877
2 20581  74.0254 356.0235 0023185 277.7210  82.1092 15.23022306  4379
Molniya1-77
1 20583U 90 39  A 90144.15730607  .00000070  00000-0 -16867-2 0   793
2 20583  62.7982 183.9973 7353596 288.2139   9.5835  2.00619305   573
1990 039B
1 20584U 90 39  B 90144.83967752  .03903616  41472-4  10039-2 0  1048
2 20584  62.7619  78.2685 0067648 125.7776 235.2487 16.21902308  4540
1990 39D
1 20586U 90 39  D 90143.60954820  .00000419  00000-0  68663-3 0   226
2 20586  62.8248 184.0281 7395335 288.1806   9.3720  1.96420289   535
Cosmos 2076
1 20596U 90 40  A 90151.40303225 -.00001233  00000-0  79009-3 0   438
2 20596  63.0666 334.8186 7375665 318.5072   4.4103  2.00587266   669
1990 40B
1 20597U 90 40  B 90148.20589656  .39662252  43947-4  29451-3 0   822
2 20597  62.7886 226.6703 0013442 121.7004 238.9820 16.52106649  4698
1990 40D
1 20599U 90 40  D 90150.97163910 -.00000504  00000-0 -84377-3 0   296
2 20599  63.1771 334.5570 7351260 318.5828   4.4750  2.03474794   660
Cosmos 2077
1 20604U          90159.11959646 0.00895918  40743-4  30538-3 0   857
2 20604  62.8254 330.1747 0057360 101.0778 259.6824 16.20610237  5055
1990 043A
1 20607U 90 43  A 90154.58485080  .00001120  00000-0  20723-3 0   192
2 20607  89.8914 194.9155 0111658 193.2628 166.5623 14.60797763  3634
1990 043B
1 20608U 90 43  B 90163.07909590  .00000913  00000-0  16762-3 0   270
2 20608  89.8877 194.8050 0113706 163.3438 197.1583 14.60807011  4879
1990 043C
1 20609U 90 43  C 90171.49996653  .00002673  00000-0  49253-3 0   346
2 20609  89.8845 194.6763 0115406 134.7122 226.3597 14.61070356  6131
Cosmos 2078
1 20615U 90 44  A 90171.78867040  .00183402  60436-5  15216-3 0  1047
2 20615  69.9841 315.4552 0054706 133.3475 227.2649 16.10297192  5865
Cosmos 2079
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1 20619U 90 45  A 90170.98085623 -.00000015  00000-0  99999-4 0   519
2 20619  64.8719  38.8869 0021352 211.0413 148.8961  2.13104966   685
Cosmos 2080
1 20620U 90 45  B 90170.62952013 -.00000015  00000-0  99999-4 0   507
2 20620  64.8743  38.9184 0008637  40.2121 319.9150  2.13103990   681
Cosmos 2081
1 20621U 90 45  C 90170.68787481 -.00000015  00000-0  99999-4 0   420
2 20621  64.8979  38.9113 0011765 200.8677 159.1381  2.13103485   680
1990 045E
1 20623U 90 45  E 90163.20436945 -.00000015  00000-0  99999-4 0   259
2 20623  64.8823  39.1778 0014747 338.6120  21.3945  2.13414211   527
Cosmos 2082
1 20624U 90 46  A 90171.39641548  .00000471  00000-0  27737-3 0   421
2 20624  70.9990 303.7385 0005429   0.8841 359.2281 14.12180135  4123
1990 046B
1 20625U 90 46  B 90165.28612832  .00000008  00000-0  14867-4 0   143
2 20625  70.9992 316.4299 0016110 313.0544  46.9234 14.13305988  3267
RESURS-F
1 20632U 90 47  A 90164.82233651  .00093889  29426-5  14473-3 0   407
2 20632  82.3338   5.1094 0009706 271.1520  88.9515 16.04091927  2491
Kristall
1 20635U 90 48  A 90171.80097653  .00027444  00000-0  31454-3 0   489
2 20635  51.6123 312.5532 0011873  60.8599 299.2947 15.61807758  3209
ROSAT
1 20638U 90 49  A 90172.05794610  .00004016  00000-0  36101-3 0   189
2 20638  52.9905  33.1186 0013920 358.2765   1.8155 14.97680491  2869
1990 049B
1 20639U 90 49  B 90172.04434621  .00013977  00000-0  61127-3 0   229
2 20639  52.5253  23.5318 0075222 311.3412  48.1129 15.19808183  2910
1989 100N
1 20640U 89100  N 90164.84157702  .00302012  00000-0  12684-1 0   287
2 20640  73.5282 100.1213 0015575 186.1766 174.0874 15.21911966 25589
1990 051A
1 20643U 90 51  A 90170.02499123 -.00000056  00000-0  99999-4 0    34
2 20643   0.2125 274.8674 0024444 116.1052 329.4430  0.99973246    47
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1 20644U 90 51  B 90171.36776106  .00390128  47406-4  10493-2 0   151
2 20644  27.2738 104.2768 0100070 215.0671 144.2514 15.84909865  1282
1990 051C
1 20645U 90 51  C 90170.83076531  .00144957  27220-4  10087-2 0   101
2 20645  27.1890 165.4801 7506130 183.1906 165.8885  2.05378272   143
1990 052A
1 20646U 90 52  A 90171.19925190  .00000331  00000-0  00000 0 0    85
2 20646  62.8438 226.5785 7426700 280.0455  11.0001  2.00423474    27
1990 052B
1 20647U 90 52  B 90171.42404771  .00873256  11572-4  11179-2 0   164
2 20647  62.8467 199.5626 0148143 126.4116 235.1676 15.88964493  1158
1990 052C
1 20648U 90 52  C 90170.90587622  .01241910  38417-4  91326-3 0   161
2 20648  62.8204 201.3552 0156234 118.3996 243.0484 15.94239816  1071
1990 052D
1 20649U 90 52  D 90169.19268561 -.00003756  00000-0 -23016-1 0    54
2 20649  62.8385 226.8468 7465608 280.0157  10.1759  1.96227319   115
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1990 053A
1 20657U 90 53  A 90171.78996475  .00000042  00000-0  00000 0 0    86
2 20657  82.5910  64.1622 0084649 226.5671 132.6700 15.71279153   233
1990 053B
1 20658U 90 53  B 90172.01029418  .22936512 -65877-5  19941-3 0    89
2 20658  82.5792  63.8626 0008396  84.5802 277.3345 16.51835735   274
--
Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology
```

```
From 3284403915815026319
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-24 02:45:59 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!tekigm2!jimla
From: jimla@tekigm2.MEN.TEK.COM (James G Larsen)
Newsgroups: rec.ham-radio
Subject: Re: The Demise of HR Magazine and Comments on CQ
Summary: european technical ham magazines
Keywords: amateur radio, magazines, Ham Radio, CQ, subscriptions, sour grapes
Message-ID: <9453@tekigm2.MEN.TEK.COM>
Date: 24 Jun 90 03:47:01 GMT
References: <2480@kodak.UUCP>
Organization: Tektronix Inc., Beaverton, Or.
Lines: 9
Posted: Sun Jun 24 04:47:01 1990
```

I also regret the passing of Ham Radio Magazine. For general electronics coverage, I have been reading Electronics & Wireless World published in England. Their tutorials on electromagnetics have been excellent. Is there a comparable magazine that specializes in Ham Radio?

Jim Larsen
N7IHQ

```
From -7349915911854890038
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79d5b9c618d0ea5d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-24 02:46:34 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!SACEMNET.AF.MIL!812spg
From: 812spg@SACEMNET.AF.MIL ("812SPG")
Newsgroups: rec.ham-radio
Subject: ICOM R71A vs KENWOOD R5000
Message-ID: <9006240432.AA10810@ucsd.edu>
Date: 24 Jun 90 04:31:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
```

```
Lines: 22
Posted: Sun Jun 24 05:31:00 1990

Having used a SONY ICF-2010 for several years, I'm now ready to
"upgrade" my SWL equipment.  Keeping finances in mind, I've
narrowed my selection down to two receivers -- the ICOM R71A and
the Kenwood R5000.

My question is, which of these two receivers would give me more
"bang for the buck?"  The price is the same for both receivers, so
what's the difference between the two (if any)?

Any comments on either of these receivers by those who've had the
chance to own or operate one would be greatly appreciated.  I'd
just hate to slap myself in the forehead later on down the road and
say, "Wow, I could have had a [fill-in-the-blank]!"

===================================================================
Disclaimer: All comments, questions and views are mine only and do
NOT in any way reflect those of the United States Air Force.
-------------------------------------------------------------------
SSgt Larry Zielasko, 812 SPG/SPOT, Ellsworth AFB SD  57706-5000
-------------------------------------------------------------------
INTERNET: 812SPG@SACEMNET.AF.MIL   AV: 675-4057   VOICE: 385-4057
===================================================================


From 6940886994105626125
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a776c9fdbe73ffc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-24 09:21:45 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!jarthur!bridge2!mips!pacbell.com!
pacbell!sactoh0!unify!csusac!mmsac!jim
From: jim@mmsac.UUCP (Jim Lips Earl)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TM-701A Crossband Repeater Mod Prob
Message-ID: <5348@mmsac.UUCP>
Date: 24 Jun 90 04:48:25 GMT
References: <9334@bunny.GTE.COM>
Lines: 13
Posted: Sun Jun 24 05:48:25 1990
In-reply-to: dhp1@GTE.COM's message of 23 Jun 90 14:00:17 GMT

>I just finished the crossband repeater mod on my TM-701A dual-band
>mobile rig.  After running several tests I discovered that the repeated
>audio is extremely low.  Has anyone else seen this problem?  The circuitry
>in the TM-721/731 should be the same.....

I've got a 731, and the crossband-repeat level is fine on my radio.
Are you unplugging the local microphone when you use the
crossband-repeat mode?  That might lower the level some.
--
```

Jim "Lips" Earl   UUCP: ucbvax!ucdavis!csusac!mmsac!jim
KB6KCP   INTERNET: mmsac!jim@csusac.csus.edu
===
The opinions stated herein are all mine.

From 5232596541481318999
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-24 11:38:36 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!tektronix!sequent!upba!dsndata!unocss!wilhite
From: wilhite@unocss.unomaha.edu (wilhite)
Newsgroups: rec.ham-radio
Subject: Re: The Demise of HR Magazine and Comments on CQ
Summary: Subscription
Keywords: amateur radio, magazines, Ham Radio, CQ, subscriptions, sour grapes
Message-ID: <3006@unocss.unomaha.edu>
Date: 24 Jun 90 11:53:12 GMT
References: <2480@kodak.UUCP> <9453@tekigm2.MEN.TEK.COM>
Organization: U. of Nebraska at Omaha
Lines: 14
Posted: Sun Jun 24 12:53:12 1990

In article <9453@tekigm2.MEN.TEK.COM>, jimla@tekigm2.MEN.TEK.COM (James G Larsen) writes:

>
> I also regret the passing of Ham Radio Magazine. For general
> electronics coverage, I have been reading Electronics & Wireless World
> published in England. Their tutorials on electromagnetics have been
> excellent. Is there a comparable magazine that specializes in Ham
> Radio?

Jim, I would be interested in getting information on the electronics magazine that you were referring to in you post. Thanks.

--
Timothy R. Wilhite KB0ASO

From 201988665341295888
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-24 13:11:33 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: The Demise of HR Magazine and Comments on CQ
Keywords: amateur radio, magazines, Ham Radio, CQ, subscriptions, sour grapes
Message-ID: <42297@apple.Apple.COM>

Date: 24 Jun 90 19:42:03 GMT
References: <2480@kodak.UUCP> <9453@tekigm2.MEN.TEK.COM> <3006@unocss.unomaha.edu>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 47
Posted: Sun Jun 24 20:42:03 1990

wilhite@unocss.unomaha.edu (wilhite) writes:

>In article <9453@tekigm2.MEN.TEK.COM>, jimla@tekigm2.MEN.TEK.COM (James G Larsen) writes:
>>
>> I also regret the passing of Ham Radio Magazine. For general electronics coverage, I have been reading Electronics & Wireless World published in England. Their tutorials on electromagnetics have been excellent.
>
>Jim, I would be interested in getting information on the electronics magazine that you were referring to in you post. Thanks.

Perhaps I should also help plug WW, having read it since the early 60s when it was known simply as Wireless World. Back then, it was a little different. How can I describe it -- it's like WW is to Popular Electronics as HR is to CQ :-) :-). There were lots of interesting articles that you seldom find anywhere else, e.g., class D amplifiers. These were not construction articles as you see them in other magazines but simply schematics and descriptions of how they work. I loved them as a high school kid.

Between then and now, Wireless World merged with, I think, Electronics (or some such) and is now called "Electronics World and Wireless World." What you have now is a mixture of the old and what reminds you of McGraw Hill's "Electronics." Quite often, there will be some articles of interest (Cross Field Antennas??) to Hams. And sometimes there are articles of interests to audio tinkerers (preamps and amps and the like). Letters to the Editor are truly, umm, how should I say it ... entertaining? (Maybe it is just very "Brit." :-) All sorts of flames regarding CFAs, cold fusion, alternate "theories" (translation: wild ideas that will *never* pass peer review :-) on Relativity, Ether, Shannon's theory and so on. What some people might call pseudo-science.

In the Silicon Gulch, you can usually pick up WW at bookstores such as "Printers, Inc" and "Tower Books." But, hey, this part of W6-land is weird. I don't expect normal bookstores in sane communities to carry it.

This is the info I can find in its pages: subscription rates in the US is stated as $116, airmail, to Reed Business Publishing, 205 E. 42nd Street, NY 10117. The rate seems high, since the single issues go for $5.95 around here and #1.95 (substitute appropriate "pound" sign if necessary) in the UK.

Kok Chen, AA6TY   kchen@apple.com

Apple Computer, Inc.

From -1113687234370301126
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bce5b7fb64356de
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-24 15:10:25 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: Making ham radio known
Message-ID: <42301@apple.Apple.COM>
Date: 24 Jun 90 21:35:45 GMT
References: <9006172224.AA03527@ucsd.edu> <7880159@hpfcdc.HP.COM> <164@bongo.UUCP>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 69
Posted: Sun Jun 24 22:35:45 1990

In article <164@bongo.UUCP> julian@bongo.UUCP (Julian Macassey) writes:
> Today you can
>work 100 countries in an afternoon with the AT&T endorsement - Your
>itemised phone bill is confirmation. So people are no longer amazed
>that you can tell someone in Africa that they are "Fahvnahncuessell?"

I keep hearing this, but I don't believe it. I've talked to people
who do ham demos for kids, and the kids are enthralled with being
able to hear someone in Minnesota, ferevvins sake--all the more so
for countries outside the U.S.

In order to call 100 countries, you either have to know someone there
or be willing to waste a lot of money on dialing random numbers. Either
way, where's the adventure? I believe it *is* still exciting to dial
around a band, not knowing who you'll find.

Last year I dialed past the local 440 MHz repeater that has a 10m link
and heard a Californian, a Mexican, and an Australian chatting away.
All this on a radio that I can hold in my hand! *I* was sure impressed.

Does everyone get reactions from non-hams (or even from hams) like
Julian describes? Or are people less blase' than he thinks?

> I have been told that in US schools Geography is no longer a
>subject. Fancy going for DXCC and not knowing where the countries
>really are.

Yeah, well, listen to a DX club repeater sometime and it probably
won't cheer you up in this regard. I've been appalled at the lack
of knowledge of (1) geography, (2) callsign prefixes, (3) languages, etc.
by the so-called hotshot DXers.

>   Today I called the ARRL to see if they had any Public Service

>Announcement (PSA) Videos.

I have some print ads for amateur radio that I roughed out a couple of years ago. One is aimed at computer magazines. Some of you won't like it, though, because it starts by suggesting a code key as a relaxing low-tech pastime for a computerist's off-hours. :-) It goes on, of course, to talk about using computers to decode CW, and about packet radio, satellites, etc. etc.

Ad campaigns don't come cheap, though. Anyone want to pony up the money so the League can run stuff like this in the major computer mags on a consistent basis??

As for Julian's suggestion about having PSAs in which people talk about how ham radio led them to their careers, that's a great idea. But we don't need to wait until we find a film crew to film PSAs: that's a great idea for a feature article in a local newspaper or a professional magazine.

You don't need to write it yourself--have your local ham radio PR person contact the business or feature desk at the local paper and tell them about 2-3 well-known people in your area who are hams. (And who have already agreed to be interviewed.) Contact the editor of magazines in those people's professions and give them the same lead. I'm working on just such a project in this area and have a nibble from the business editor of one of the major Bay Area papers. As valuable a resource as Newington is, we don't need to wait for them to do everything for us.

Patty
--

```
*****************************************************************************
Patty Winter N6BIS                        INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                     UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From -2610765662543991020
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6bbae5ac4bf56968,start
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cs.utexas.edu!news-server.csri.toronto.edu!utgpu!watserv1!watmath!att!tsdiag!
ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: * SpaceNews 25-Jun-90 *
Keywords: Amateur Satellite News
Message-ID: <311@ka2qhd.UUCP>
Date: 24 Jun 90 22:12:34 GMT

Organization: KA2QHD - OCEAN NJ
Lines: 82
Xref: gmdzi rec.ham-radio:12377 sci.space:13538
Posted: Sun Jun 24 23:12:34 1990

Bulletin ID: SPC0625

SpaceNews

MONDAY JUNE 25, 1990

SpaceNews is published and distributed weekly around the world on USENET and Amateur Packet Radio. It is available for unlimited distribution.

* SHUTTLE NEWS *

The crew for mission STS-38 arrived at the Kennedy Space Center last week for the Terminal Countdown Demonstration Test. Atlantis was rolled out to launch pad 39-A last week. The hot firing test of the orbiter's two APUs (Auxiliary Power Units) went well. The APUs were run for seven minutes each at normal speed and for ten seconds at high speed. The launch date for this mission will be announced this week.

* OSCAR-12 LIVES AGAIN *

Fuji-OSCAR-12 has been heard on recent occasions by G3IOR, G3CAG and G4CUO. The spacecraft is apparently receiving enough sunlight to produce a weak battery charging current and support low-power transponder and beacon operations. FO-12 was switched off by telecommand last year, but apparently switched back on when it received commands sent to its sucessor, FO-20. FO-12 transponder and beacon activity cease when it receives strong uplink signals intended for FO-20.

* CRRES LAUNCH *

CRRES, to be launched aboard an Atlas Centaur Rocket on July 9th, will embark on a joint NASA/USAF mission to study the Earth's magnetic field and the effects of the radiation environment of space on advanced electronics. Chemical releases from the satellite in the ionosphere and magnetosphere will briefly "paint" the waves and lines of magnetic fields with luminous particles. During the mission's first year, canisters of five chemical tracers expelled from the spacecraft will create brilliantly visible releases over the Carribean, South Pacific, and North America.

* CQ DX *

If there are any Amateur Radio operators outside of North America who have both UUCP and Amateur Packet radio availability and would like to help distributing SpaceNews through existing packet networks, please send me a note so we can establish a distribution network. I can place interested stations on a UUCP mailing list so they will be able to forward SpaceNews to their local packet systems and help reduce the long delay many foreign stations are reporting before receiving SpaceNews.

* FEEDBACK WELCOMED *
=====================
Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

UUCP   : ...uunet!rutgers!petsd!tsdiag!ka2qhd!kd2bd
AMPR   : KD2BD @ NN2Z.NJ.USA.NA

MAIL   : John A. Magliacane
Department of Electronics Technology
Advanced Technology Center
Brookdale Community College
Newman Springs Road
Lincroft, New Jersey 07738
U.S.A.

(The callbook address also works.)

<eof>

--
AMPR : KD2BD @ NN2Z (Neptune, NJ)
UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
"For every problem, there is one solution which is simple,
neat and wrong." -- H.L. Mencken

From 4463822680156331742
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f06cbdd9e80b88f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-25 00:36:28 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Homebrew repeater controllers
Message-ID: <30500575@ux1.cso.uiuc.edu>
Date: 25 Jun 90 03:31:00 GMT
References: <181503@<1990Jun23>
Lines: 79
Nf-ID: #R:<1990Jun23:181503:ux1.cso.uiuc.edu:30500575:000:3670
Nf-From: ux1.cso.uiuc.edu!phil   Jun 24 22:31:00 1990
Posted: Mon Jun 25 04:31:00 1990

> I'm interested to know if anyone has built a repeater controller based
> upon an IBM PC or clone. I'm willing to dedicate the entire PC with
> harddisk to the repeater controller operation.

It seems like a lot of money to me to tie up in a controller.

> I would expect that the controller would offer all the features of
> the ACC line plus things like:

Well, these things are about as expensive (and in my opinion, not worth it due to lack of the features I want).

> Has anyone built the necessary interface hardware? I'd be more likely
> to program such a thing if I didn't have to build the hardware.

It would be nice to have all the functionality of a controller for a repeater on a single board you can plug into a PC. I had asked about the interface between controllers and the actual repeaters some while back here on rec.ham-radio, and the general concensus I got was that there is not standard interface bewteen the repeater hardware and the controller. I don't know what assumptions, or excess hardware for all the variations, controllers like the ACC ones have.

I would consider the following connections to be essential:

Controller ---> Repeater
1. On/Off (PTT) the transmitter.
2. On/Off the audio.
3. On/Off the transmit CTCSS.
4. Audio from CPU for ID, battery mode indicator, etc.

Repeater ---> Controller
1. Carrier level
2. Discriminator noise level
3. Discriminator output
4. Audio

Other ---> Controller
1. Battery voltage
2. Battery current
3. PA voltage
4. PA current
5. SWR
6. Tower lights current
7. Clock/Time

Whether or not things like CTCSS decoder/encoder, DTMF decoder/encoder, squelch level, etc., should be in the "radio" or on the controller are probably religious issues. I personally want CPU control over these things so I can do everything from setting them remotely to programming them to dynamically change to meet conditions. For instance, I would want different squelch levels in effect for "idle" and "ready" states (idle is when the repeater has not been transmitting lately; ready is between transmissions of an active QSO) so that it requires a good signal to bring up the machine, but it will tolerate some fading during the QSO. Likewise a different set of squelch levels would be required if CTCSS is present (to allow locals to access w/o CTCSS, but DX needs CTCSS). Another possibility is to allow users to turn off the need for CTCSS on a per-QSO basis (it comes back on when the machine goes to idle state). Perhaps CTCSS could be required to bring up the machine, and not needed once it is up. I could put all these things in a huge matrix and plug in LOTS of values to program the machine with, and I know that ACC controllers cannot do this.

Cross-band and multi-band repeaters need even more sophisticated control, especially when multiple receivers are concurrently receiving different but good signals; what do you want your repeater to do?

I, too, prefer to program the software (and I mean writing machine/assembly code, not CONFIGURING as you would do to an ACC even though they CALL that "programming") instead of building the hardware. However, building a controller from a PC compatible mother board, or perhaps (depending on just how easily boards can be added) Kantronics new DataEngine, seems like a reasonable way to get the hardware in place ready for programming. Having a hard disk is not essential, but does give you some flexibility. You could, if you are careful, upload new controller code via radio.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From -6741043976109000060
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4f1bfdf21f4f804,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-25 01:01:15 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL Letter 15-Jun-90
Message-ID: <1547@n8emr.UUCP>
Date: 25 Jun 90 02:47:16 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 302
Posted: Mon Jun 25 03:47:16 1990
```

```
==============================================================
|        Relayed from packet radio via                 |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

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GAY E. MILIUS, W4UG, SK

ARRL Director Emeritus Gay E. Milius Jr., W4UG, of Virginia Beach, VA, died June 6 after a long illness. He was 79, and the husband of Martha Milius.

Milius was vice director of the ARRL Hudson Division in 1951 and 1952, and vice director of the Roanoke Division from 1977 to 1980. He became Roanoke Division director in 1980 and held that post until 1989.

An active DXer and DXCC Honor Roll member, he was the Roanoke Division's representative to the ARRL DX Advisory Committee at the time of his death.

He was a 1933 graduate of Dartmouth College and a 1941 graduate of Fordham Law School. He was a retired commander in the US Naval Reserve and a veteran of the Second World War and of the Korean War.

Besides his wife, he leaves two daughters, Carroll Huffman of Twin Lakes, MN and Mitzi Milius of Aspen, CO; a son, Gay E. Milius III of New York City; and a brother, Howard Milius of Cranford, NJ.

The funeral and burial were June 11 in Virginia Beach.

The family requests that memorial donations be made to the American Radio Relay League.

TRANSCONTINENTAL RELAY AIDS YOUNG SOVIET AMATEUR

American amateurs from coast to coast, using HF as well as VHF FM and packet, have come to the aid of a critically injured Russian amateur.

On May 25 a group of Soviet hams, from the UZ4FWO club station in Penza, were involved in an automobile accident enroute to a radiosport event. RA4FB, Oleg Kolosilin, was killed. Oleg Porugov, UA4FAY, was seriously injured.

Porugov, 25, lies in a coma in a hospital near Ryazan, about 150 miles from Moscow. He suffers from pneumonia and one lung has collapsed. Hiscondition prevents doctors from moving him to better facilities.

Porugov's attending physician, a Dr. Makarov, has stated "In small Soviet towns the doctors can be good, but medical supplies--even disposable syringes--are scarce."

In daily contact with Makarov is an American neurosurgeon, Dr. Joseph Izzo of Foster City, Calif. Izzo responds to Telex and E-mail messages from Makarov, answering questions by Amateur Radio. The responses, carried on a daily schedule, are between the stations of Len Traubman, W6HJK, a dentist in San Mateo, and UZ4FWO, in Soviet Russia. Help with relaying and translation has been provided by Ed Kritsky, NT2X, and Angel Garcia, WA2VUY.

Kritsky, who came to the United States from Leningrad in 1978, took a telephone call shortly after the accident from another American amateur. "UZ4FWO needs to talk to you, Ed. They need medical consultation."

Kritsky asked Igor, the UZ4FWO operator, if he had any American ham acquaintances in the medical profession. Igor suggested Traubman and Dr. Lawrence M. Probes, ND8S, who also has acted as a relay station. Meanwhile, Kritsky also had contacted a local physician, Dr. Anatoly Barkan of Brooklyn, another Soviet emigre.

Igor passed the condition of the patient to Kritsky via Amateur Radio, and Kritsky sent it by facsimile to Traubman and Dr. Izzo (who although not a ham, paid for the initial shipment of drugs).

In addition to medical advice, several hundred dollars worth of supplies for Porugov, including powerful antibiotics and special tracheal tubing, have been arranged for and shipped from the United States. Charles L. Starke, NX2T, a medical internist, arranged for the tubing, which was shuttled to JFK airport by Alan Singer, N2KW.

Singer located Starke using the Tri-State DX PaketCluster Network.

Thanks to Amateur Radio, Soviet amateurs have been able to receive word that the shipments are enroute, allowing them to get to tche Moscow airport in time to arrange for expeditious treatment by customs authorities. One of the UZ4FWO operators has been standing by in Moscow to receive the shipments.

Kritsky observed that initially the chief of medicine in Ryazan was skeptical of these arrangements, of taking advice from outsiders. "But once he heard the tone of voice of those talking on 20 meters," Kritsky said, "he knew we were there to help. He knew we cared."

"We are just a few American hams doing what we can," said WA2VUY. "If Igor were not a ham, none of this probably could have happened," he said.

On Monday, June 11, 17 days after the accident, Oleg Porugov, UA4FAY, opened his eyes for the first time, and moved his hand.

MORE HAMS IN SPACE

Three more astronauts soon will have Amateur Radio call signs, joining Ken Cameron, KB5AWP, aboard STS-37 (a SAREX mission) in November. Flight commander Steve Nagel and mission specialists Linda Godwin and Jay Apt all have recently passed Technician class exams. Godwin and Nagel took their exams in Dallas at the Ham Con on June 9, where Cameron upgraded to General class. Nagel passed his test in May.

The fifth STS-37 crewmember, Jerry Ross, has yet to take the plunge, but he "has some books on his desk," according to Cameron.

Space Shuttle STS-35, also a SAREX flight by astronaut Ron Parise, WA4SIR, was postponed again May 29 and has been returned to its hangar for major repairs. Since another Shuttle, carrying a military payload, is scheduled for launch soon, STS-35 has been pushed back to at least August.

KANSAS CITY HOSTS NATIONAL CONVENTION

More than 5000 radio amateurs attended the 1990 ARRL National Convention June 9 and 10 in Kansas City, MO. The convention, sponsored by the PhD Amateur Radio Association, featured forums on many areas of interest to amateurs, as well as a very strong turnout by manufacturers and retailers of Amateur Radio gear.

Banquet speaker Dave Bell, W6AQ, entertained some 350 guests with his presentation "The King and I," recounting how King Hussein, JY1, of Jordan, came to appear in the 1979 ARRL film "The World of Amateur Radio."

In addition to the *Westlink* Young Ham of the Year award given to Mary Alestra, KB2IGG (and reported earlier), Advanced Electronics Applications made their fifth Amateur Ambassador Award to James Heil, KB5AWM. The 22-year-old Heil, of Houston, was instrumental in creating the Clear Lake Amateur Radio Club, a general interest club with a special mission to recruit and train new amateurs.

Also in attendance was Ralph Haller, chief of FCC's Private Radio Bureau, who hosted an informal question and answer session attended by more than a dozen League directors and other officials.

HQ HOSTS OPEN HOUSE

On June 3 ARRL HQ and W1AW hosted several hundred visitors during the annual Open House. Coinciding each year with the Newington Amateur Radio League's hamfest, the event this year featured tours of the newly renovated W1AW, where visitors were able to operate as well as use two computers (recently donated by the Tandy Corporation) in conjunction with various logging programs and databases.

Lab supervisor Jon Bloom, KE3Z, demonstrated for visitors the League's setup for measuring transmitter spectral purity, with a commercial 2 meter FM transceiver and a Hewlett Packard spectrum analyzer. Visitors also got a peek at a 20 meter transceiver being designed by staff member Zack Lau, KH6CP, showing several stages of the development process. This rig is being designed for production and donation to amateur societies in third world countries.

DXCC BEGINS MOVE TO DATA PROCESSING

DXCC automation has begun in earnest, with final testing of software completed June 1. New applications and endorsements are entered into a mail log for tracking through the system. This log helps staff members quickly answer questions regarding the status of DXCC applications and endorsements in progress. On June 11 "backfilling" began--the process of entering past records into the computer on a priority basis. As endorsement applications are received they are backfilled to bring the applicant's record up to date;

the endorsement is then processed.

* Last week, a formal application for DXCC status was received at HQ for the Penguin Islands, a string of 13 islets off the coast of Namibia. The application, made by DK9KX, KC1AG, and ZS9A, indicates that the islands are claimed by South Africa, and propose DXCC status based on the islets' meeting the 75-mile minimum separation from S. Africa. It can be expected that the the DX Advisory Committee will require several months to deliberate on the application.

MORE ON SCANNER LAWS

ARRL has submitted to FCC reply comments supporting preemption of local and state laws regulating the use of mobile radios by licensed Radio Amateurs. In its May 31 comments, the League pointed out several comments filed in the proceeding that buttressed the League's position.

The League contends that possession by licensed amateurs of radio receivers that incidentally cover public safety frequencies should not be prohibited by local or state laws. This, the League pointed out, is supported by the Associated Public-Safety Communications Officers (APCO), "the nation's oldest and largest public safety communications organization."

Comments filed by Uniden America Corporation noted that all radio communications are interstate, and as such the state and local laws which prohibit the possession of radio receivers by licensed amateurs interfere with "instrumentalities of interstate commerce," which should not be permitted.

The League requested that "the Commission determine that statutes or local ordinances which preclude the possession of radio equipment by licensed radio amateurs merely because such equipment is capable of reception of police or other public service communications conflict with Federal communications law and policy, and are therefore void."

NOVICE TICKET COMING TO GREAT BRITAIN

Great Britain will have new Novice class licensees sometime in 1991, according to Radio Communication, the official journal of the Radio Society of Great Britain. The final draft of the Novice License was announced April 19.

Recognizing "the value of amateur radio as a training ground for careers in electronics and radio engineering," ministers of the Radiocommunications Agency approved, according to *RadCom*, the following guidelines:

A Novice Class B license, permitting operation on 50 and 430 MHz, as well as on 1.3 and 10 GHz. Passing of a 5 wpm Morse test after one year as a Novice Class B licensee will allow the licensee privileges on 1.8, 3.5, 10, 21, and 28 MHz, with 5 watts dc input. The 28 MHz privileges include radiotelephony in the 28.3 to 28.5 MHz segment.

(In Great Britain both "full" and Novice licensees are designated either "A" (including CW) or "B" (codeless).

It should be noted that after 25 years of a codeless "full" license (with full privileges above 30 MHz), Great Britain now prepares to institute a Novice license along the lines of the Novice license that has existed in the US for more than 30 years.

Training courses conducted by RSGB will be followed by a written exam for the Novice Class B license. June *RadCom* features an article on preparing to teach such classes.

* On an unrelated matter of interest from England, the April 1990 issue of RadCom reports the results of a survey of 10 "old timers" (over 50 years old). These CW operators were first asked to specify at what frequency they preferred to copy code, then were allowed to actually copy CW. The frequency of the tone they chose was measured, and averaged about 500 Hertz. Manufacturers who design transceivers should note this. "The impact on AF filter design and BFO crystal selection," RadCom says, "is obvious."

BRIEFS

* The latest issue of *WARC Countdown*, a newsletter to all IARU member societies, stresses the need to "ensure that at least one suitably qualified radio amateur is designated as a full participant in his country's WARC-92 delegation." Member societies are encouraged to, if necessary, first convince their governments of the value of Amateur Radio, then to make a ham a delegate. "It goes without saying," the newsletter says, "that the case for Amateur Radio at WARC-92 can best be made by a ham."

* ARRL Volunteer Counsel Frank Terranella, N2IGO, has announced a meeting and forum in conjunction with the ARRL Hudson Division Convention on Sunday, July 8, at the New York Institute of Technology. A one-hour meeting of all the division's VCs will be followed by a public forum, where VCs will answer questions regarding legal issues of concern to hams. For more information, contact Terranella at 201-947-4100.

*Every new ham is special, but Jack Lee is something else again. He eagerly awaits arrival of his Novice ticket after passing the exam May 30 under the watchful eyes of the Newington Amateur Radio League and the Pioneer Valley (Connecticut) Radio Association. The test, administered at W1AW, concluded a licensing class directed by N1FCK and W1VMY. By the way, Mr. Lee's full name is John Maxim Lee, and his grandfather was Hiram Percy Maxim, founder and first president of ARRL.

* FCC has denied a request to establish an Amateur Radio "license" free of any examination. The request for rule making, by Donald L. Stoner, W6TNS, was for a "digital communicator class" permit that would have allowed licensed amateurs to grant permission to up to 26 non-licensed persons to be control operators. Proposed operations would have been on the 33 cm amateur band.

In its denial, dated May 22, the Commission cited federal law precluding operators who have not demonstrated "their qualifications" to the Commisssion.

* The *RSGB Microwave Handbook Vol. 1* is the latest addition to the ARRL library. Edited by G3PFR, it covers microwave theory and practice in mostly non-mathematical language. Two additional volumes will follow. 224 pages.

* Don't forget Field Day! It's June 23 and 24 this year, and there's just time to request a Field Day package from HQ. Rules are in May *QST*, pp 84 and 85.

* The June issue of *QEX*, the ARRL Experimenters' Exchange, features a system for TNCs using NET/ROM software to prevent packet collision. This should be of special interest to operators of PacketCluster and similar networks.

* July *QST* solicits nominations for director and vice director in the following ARRL divisions: Central, Hudson, New England, Northwestern, Roanoke, Rocky Mountain, Southwestern, and West Gulf. See the July *QST* "Happenings" column for details.

--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From -7280361251508079053
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3e227ebfc59d37e0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-25 06:35:50 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: HR mag
Keywords: sigh...
Message-ID: <38282@cci632.UUCP>
Date: 25 Jun 90 13:35:50 GMT
References: <8205@b11.ingr.com> <1990Jun23.042526.6014@maverick.ksu.ksu.edu>
Reply-To: cep@ccird7.UUCP (Christopher Piggott - co-op)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 23
Posted: Mon Jun 25 14:35:50 1990

In article <1990Jun23.042526.6014@maverick.ksu.ksu.edu> steve@matt.ksu.ksu.edu (Steve Schallehn) writes:
>
>I wonder if QEX from the ARRL is any good as an experimentation magazine?

>Someone has to come out with a new HR! Someone has to!
>
>-Steve Schallehn, KB0AGD

Not really. My club just got its renewal notice for QEX and I have
decided not to renew it. (We are an ARRL-affiliated club, by the
way, which has some *teriffic* benefits).

My problem with QEX is redundancy. I have seen an article that says,
"Let's have fun and build a 20-meter cw portable tranceiver that works
on a 9-volt battery!" SOOOOO many times - this is the sort of thing
that belongs in the handbook, and not to pop up in QEX two or three
times a year.

Chris WZ2B

--
Christopher E. Piggott, WZ2B   (ex-N2JGW)
President - Rochester Institute of Technology Amateur Radio Club K2GXT
cs.rochester.edu!cci632!ccird7!cep or uunet!ccicpg!cci632!ccird7!cep

From 5492299241757010724
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc45f70577cde227
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-25 06:40:15 PST
Path: gmdzi!unido!mcsun!uunet!dg!lewine
From: lewine@dg.dg.com (Don Lewine)
Newsgroups: rec.ham-radio
Subject: Re: How to buy a QSO
Message-ID: <556@dg.dg.com>
Date: 25 Jun 90 13:40:15 GMT
References: <1990Jun22.221444.25178@ecn.purdue.edu>
Reply-To: uunet!dg!lewine (Don Lewine)
Organization: Data General, Westboro, MA.
Lines: 29
Posted: Mon Jun 25 14:40:15 1990

In article <1990Jun22.221444.25178@ecn.purdue.edu> wb9omc@ea.ecn.purdue.edu (Duane
P Mantick) writes:
>>>From: k4bnc@cbnewsh.att.com (john.a.siegel)
>   One time I had the satisfaction of turning this situation
>   around. I was sitting with my measly 20 watts on top of
>   a mountain in the Smokies and encountered a pileup with
>   a New Zealand ham - I put up my call at the appropriate
>   time and he responded immediately. He didn't believe that
>   I was running a Uniden 2510 with no amp and told me I was
>   not only 59+ but louder than some fellows who told him they
>   were running about 1 KW! Made me feel just *fine*.

That is correct. The difference between 20 watts and 1000 watts is 13 db or
about 2 S-units. A good antenna in a good QTH can make much more of a

difference. The difference between someone that the gods of propagation are smiling on and someone that they are not can be 60 db or more.

I remember on night working about 50 east european stations in a row. They said that I was the only W/K station that they could hear. This was not due to monster antennas or high power. It was mostly the dumb luck of being exactly where the opening was. Sill, it was great to be the target of a pileup for once.

P.S. My attitude to DXCC is, if I happen to work them great, if not, no big deal. I have about 125 confirmed countries. Almost all of them came back on the first or second call and QSL via the buro. After all, ham radio should be fun. If you are not having fun do something else.

--73,
WB2UMF

From 6955861683512857226
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,175ecd4a8c09d7c5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-25 06:46:27 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!ISS1.AF.MIL!THM33
From: THM33@ISS1.AF.MIL (Tom Mullins - WB8MVR)
Newsgroups: rec.ham-radio
Subject: MORE ON HAM RADIO'S DEMISE
Message-ID: <9006251231.AA17747@ucsd.edu>
Date: 25 Jun 90 15:30:34 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Mon Jun 25 16:30:34 1990

The other day I received the July issue of CQ. To say that it is garbage would be the understatement of the year. Maybe if enough people write to IEEE they can publish a Transactions on Ham Radio, or something....
In any event, with the passing of Ham Radio seems to be an omen that the technical side of amateur radio may be doomed to extinction, along with flying, and any other hobby that involves active participation/learning (read: EFFORT) on the part of the individual. Could this be a reflection on American society in general ?

```
-----------------------------------------------------------------------
Tom Mullins - WB8MVR   | Uh, Biplane on short final - Get a move on --
THM33@ISS1.AF.MIL      | You've got a P-51 on your tail!
                       |
                       |       - Unknown Controller, Oshkosh, WI
-----------------------------------------------------------------------
```

From -5089254346908838007
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,efff767ddccc87c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-25 07:27:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!ARO-EMH1.ARMY.MIL!tom
From: tom@ARO-EMH1.ARMY.MIL ("SINGLETON")
Newsgroups: rec.ham-radio
Subject: FT-411E
Message-ID: <9006251333.AA19149@ucsd.edu>
Date: 25 Jun 90 13:31:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 2
Posted: Mon Jun 25 14:31:00 1990

Does anyone have information about the modifications made to the
Yaesu FT-411E (versus the 411)? I can't tell anything from the QST ad.

From 2035434590305105024
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9eab033e18e25465,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-25 08:13:43 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!ROSEVC.Rose-Hulman.EDU!DERRY
From: DERRY@ROSEVC.Rose-Hulman.EDU
Newsgroups: rec.ham-radio
Subject: octopus
Message-ID: <747936BC553F80145F@ROSEVC.Rose-Hulman.Edu>
Date: 25 Jun 90 14:34:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Mon Jun 25 15:34:00 1990

During planning for field day our group heard references to a device used
illegally by some filed day groups. This device was referred to as an
OCTOPUS. Does anyone want to tell me what the heck it is?

Thanks a whole bunch.   73 es cul de K9CUN

From 5175183977529653082
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,18b888c70ee81b4a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-25 09:31:16 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!UTKVX3.BITNET!BRUCEH
From: BRUCEH@UTKVX3.BITNET
Newsgroups: rec.ham-radio
Subject: FT101E
Message-ID: <9006251545.AA23825@ucsd.edu>
Date: 25 Jun 90 16:33:00 GMT

Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Mon Jun 25 17:33:00 1990

I have a FT101E and it has the speech processor, noise blanker, and calibrator. I think the EE version did not have the speech processor and maybe the noise blanker.

Bruce Harrison WB4MJG
Univ. of Tennessee at Martin
BRUCEH@UTKVX (bitnet)

From 5030481434262374419
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,741c18d9f2d347a4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-25 09:55:45 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!UTKVX3.BITNET!BRUCEH
From: BRUCEH@UTKVX3.BITNET
Newsgroups: rec.ham-radio
Subject: HR/CQ, Teaching Science, etc.
Message-ID: <9006251607.AA25426@ucsd.edu>
Date: 25 Jun 90 17:00:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19
Posted: Mon Jun 25 18:00:00 1990

I also got my copy of CQ (instead of Ham Radio). I guess i'll let the subscription expire (October or so), but i'll not renew it. It would be nice to see a list of other magazines that are available, cost, etc. I'm afraid there is not a lot of choice. QST is ok, but there sure is a lot of contest, ARRL news, etc, etc, etc.

one of the best ways to support science education is to become INVOLVED in the science fair programs in a local school. If they don't have one start one (with the help of the local school). One has to be careful not to step on the toes of the local science teachers, principles, etc. but I've found them to be open to ideas, HELP, etc. We raised money for prizes, organized field trips, etc. It works. A ham radio display at a local science fair would be a good idea.

Bruce Harrison WB4MJG
Univ. of Tennessee at Martin
BRUCEH@UTKVX (bitnet)

```
From -4268393950418107236
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b642f75bd13ccb06
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109c0d,b642f75bd13ccb06
X-Google-Attributes: gid109c0d,public
X-Google-Thread: 105d97,b642f75bd13ccb06
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-06-25 10:45:38 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!ames!ptolemy!eos!
shelby!lindy!lowood
From: lowood@lindy.Stanford.EDU (Henry Lowood)
Newsgroups: misc.forsale,rec.ham-radio,sci.electronics
Subject: Re: Books on Early Electronics For Sale
Message-ID: <10157@lindy.Stanford.EDU>
Date: 25 Jun 90 16:36:24 GMT
References: <42053@conexch.UUCP>
Sender: lowood@lindy.Stanford.EDU (Henry Lowood)
Reply-To: lowood@lindy.Stanford.EDU (Henry Lowood)
Organization: Stanford Data Center
Lines: 12
Xref: gmdzi misc.forsale:1665 rec.ham-radio:12361 sci.electronics:7196
Posted: Mon Jun 25 17:36:24 1990

In article <42053@conexch.UUCP> root@conexch.UUCP (Larry Dighera) writes:
>
>Here is a list of the wireless electronics books that I would
>like to sell:
>
>    3.  Conqueror of Space
>         Biography of Lee De Forest
>
Is this book still available?  You did not list a price or condition; can
you tell me more about the condition and about how much you want for it?

Henry
```

```
From 9013706618857081947
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9adf8e6605ff581a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-25 11:43:42 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!uwm.edu!zaphod.mps.ohio-state.edu!usc!ucsd!
ucbvax!TRIUMFER.BITNET!MULTI
From: MULTI@TRIUMFER.BITNET
Newsgroups: rec.ham-radio
Subject: FT101B vs FT101E
Message-ID: <90Jun25.133735edt.58193@ugw.utcs.utoronto.ca>
Date: 25 Jun 90 17:37:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11
```

Posted: Mon Jun 25 18:37:00 1990

The previous reason for my query was that I had an excellent opportunity to buy a Yaesu FT101E, and was unsure whether it came with RF speech clipper. It turns out that the FT101E does have a factory-installed speech clipper, and the deal included a Yaesu FV101 vfo, all for the price of $499 Canadian. Now if I can locate a Yaesu antenna tuner which covers 160 meters, I will be all set.

Y.N. Miles,
<MULTI@TRIUMFcl.bitnet>

ps: I replaced the 3SK40 dual-gate mosfets with Motorola 3N211 mosfets.

From 7362097124722045823
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc45f70577cde227
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-25 12:06:33 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!mcnc!rti!dg-rtp!aquila!harrism
From: harrism@aquila.rtp.dg.com (Mike Harris)
Newsgroups: rec.ham-radio
Subject: Re: How to buy a QSO, 20 M mess, etc...
Message-ID: <1990Jun25.144036.27405@dg-rtp.dg.com>
Date: 25 Jun 90 14:40:36 GMT
References: <1990Jun22.221444.25178@ecn.purdue.edu>
Sender: usenet@dg-rtp.dg.com (Usenet Administration)
Reply-To: harrism@dg-rtp.dg.com
Organization: Data General Corp., Research Triangle Park, NC
Lines: 23
Posted: Mon Jun 25 15:40:36 1990

The majority of us shmucks are running 200 watts input and are doing just fine. I'd bet that a vote to reduce max input power on HF to 200 would pass! (if it could only be put to a vote...) Sure, some would still have amps and/or build them, but I'd also bet that *most* of the KW ops couldn't build one. Imagine how one of us 200 watters sounds to a QRPer. Same difference but a move in the right direction.

I, personally, wouldn't mind it if omnidirectional antennas were also illegal. Why should anybody expect to own a frequency in *every* direction. I'd be happy, though, to just have a lower power limit. One can do *so* much with antenna's - it's amazing.

We'd have *alot* more room on our bands if people used directional antennas and ran reduced power. The latter would force the fomer somewhat.

Perhaps we should all go back to nursery school and kindergarten and learn how to share.

What a deal - my $100 worth - for free!

```
Mike Harris - KM4UL                        harrism@dg-rtp.dg.com
Data General Corporation                   {world}!mcnc!rti!dg-rtp!harrism
Research Triangle Park, NC
```

```
From 5896913289750145319
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdce0483f103d23b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-25 12:06:57 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!mcnc!rti!dg-rtp!aquila!harrism
From: harrism@aquila.rtp.dg.com (Mike Harris)
Newsgroups: rec.ham-radio
Subject: Re: The Demise of HR Magazine and Comments on CQ
Keywords: amateur radio, magazines, Ham Radio, CQ, subscriptions, sour grapes
Message-ID: <1990Jun25.150137.27983@dg-rtp.dg.com>
Date: 25 Jun 90 15:01:37 GMT
References: <2480@kodak.UUCP>
Sender: usenet@dg-rtp.dg.com (Usenet Administration)
Reply-To: harrism@dg-rtp.dg.com
Organization: Data General Corp., Research Triangle Park, NC
Lines: 24
Posted: Mon Jun 25 16:01:37 1990
```

In article <2480@kodak.UUCP>, ornitz@kodak.UUCP (Barry Ornitz) writes:

> I decided to call the subscription office of Ham Radio and see if my renewal
> could be cancelled. I spoke with a very nice lady whose name I do not
> remember. She said that I could certainly cancel my subscription and get a
> refund. When I told her my subscription number, she remarked that I had been
> reading Ham Radio for a long time - since early 1971. I said yes, and that I
> was sorry to see it go - especially to CQ. She remarked that I was not alone
> and that a very large number of other hams were doing as I had done:
> cancelling

This is very excellent advice and a *very* effective way to make your point to them. Much quicker than composing a letter which will get scanned at best. I'm going to cancel. If and when they want to send me free copies of a new-and-improved CQ to entice me to sub I'll scan it. Remember, money talks and bullshit walks. They *are* touting the "new" subscription numbers to advertisers. You can bet that the advertisers are watching the sub numbers.

If you have the time, you should also perhaps indicate to them what will make you subscribe. Perhaps a technical journal? Give them suggestions and alternatives if you do this.

```
Mike Harris - KM4UL                        harrism@dg-rtp.dg.com
Data General Corporation                   {world}!mcnc!rti!dg-rtp!harrism
Research Triangle Park, NC
```

```
From 4886993825030727586
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9eab033e18e25465
```

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-25 12:07:02 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!bellcore!casux4!jdn
From: jdn@casux4.uucp (jonathan nagy)
Newsgroups: rec.ham-radio
Subject: Re: octopus
Message-ID: <24616@bellcore.bellcore.com>
Date: 25 Jun 90 17:35:46 GMT
References: <747936BC553F80145F@ROSEVC.Rose-Hulman.Edu>
Sender: news@bellcore.bellcore.com
Reply-To: jdn@casux4.UUCP (jonathan nagy)
Organization: Bell Communications Research, Inc.
Lines: 37
Posted: Mon Jun 25 18:35:46 1990
```

In article <747936BC553F80145F@ROSEVC.Rose-Hulman.Edu> DERRY@ROSEVC.Rose-Hulman.EDU writes:

>During planning for field day our group heard references to a device used
>illegally by some filed day groups. This device was referred to as an
>OCTOPUS. Does anyone want to tell me what the heck it is?
>

I have some vague idea what its all about, but if there are more knowledgeable contesters on the net, please come to my aid.

The OCTOPUS is a switching network which connects a number of operating transmitters, but only allows a single transmitter to transmit at any given time. The idea is that you can have multiple band positions active at the same time, but since the octopus prevents you from putting more than one signal on the air at any given time, you can submit your log as MULTI-SINGLE rather than MULTI-MULTI. Clearly, the performance of the station using an octopus is going to be closer to MULTI-MULTI and far beyond anything you hope to achieve with the traditional MULTI-SINGLE.

I believe the octopus was first introduced by a very cleaver bunch at one of the big eastern european contest clubs. I would not view it as "illegal" but rather as a very clever innovation. Subsequent to its introduction, I believe, the rules of the CQ World Wide DX Contest were revised to exclude its use in MULTI-SINGLE.

I have not looked closely at FD rules, but perhaps they are not properly phrased to exclude the octopus? If so, be careful not to criticize the operators for "illegal" operation- they may just be more clever than the rest!

73, Jon NK2D

Jonathan Nagy
jdn@navaho.cc.bellcore.com
(201) 699-4445

```
From 8533368189910130603
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc45f70577cde227
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-25 13:38:54 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
sunybcs!uhura.cc.rochester.edu!uhura!saaf
From: saaf@joker.optics.rochester.edu (Lennart Saaf)
Newsgroups: rec.ham-radio
Subject: Re: How to buy a QSO, 20 M mess, etc...
Message-ID: <SAAF.90Jun25141951@joker.optics.rochester.edu>
Date: 25 Jun 90 18:19:51 GMT
References: <1990Jun22.221444.25178@ecn.purdue.edu>
     <1990Jun25.144036.27405@dg-rtp.dg.com>
Sender: news@uhura.cc.rochester.edu
Organization: The Institute of Optics, University of Rochester
Lines: 18
Posted: Mon Jun 25 19:19:51 1990
In-reply-to: harrism@aquila.rtp.dg.com's message of 25 Jun 90 14:40:36 GMT
```

In article <1990Jun25.144036.27405@dg-rtp.dg.com> harrism@aquila.rtp.dg.com (Mike Harris) writes:

> I'd bet that a vote to reduce max input power on HF to 200 would pass!

This raises an interesting question: how many big guns do you think limit themselves to 1500? I would not be surprised if there were one hundred stations running at least 10kW in the US. There will always be people who run as much as they please regardless of the rules. Not to say that they are necessarily bad ops (whatever that means :^).

Len
NV2Z

```
--
------------------------------------------------------------------------
| Len Saaf, The Institute of Optics, Univ. of Rochester, Rochester, NY |
| Internet: saaf@joker.optics.rochester.edu        Bitnet: SAAF@UOROPT |
------------------------------------------------------------------------
```

```
From -8961474405942987664
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4bcc7ea9c002f17f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-25 13:47:52 PST
Path: gmdzi!unido!mcsun!uunet!samsung!know!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!iuvax!news!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Reposting something I saved
```

Message-ID: <253.2685522E@w8grt.fidonet.org>
Date: 25 Jun 90 15:32:02 GMT
Organization: QRV de W8GRT, Sylvania, OH
Lines: 130
Posted: Mon Jun 25 16:32:02 1990

From: gb@sunpix.East.Sun.COM (Gary Bishop - Sun Visualization Products)
Newsgroups: rec.ham-radio
Subject: Ham Radio Magazines of the World
Message-ID: <1483@sunpix.East.Sun.COM>
Date: 11 May 90 20:06:14 GMT
Sender: gb@sunpix.East.Sun.COM
Organization: Sun Microsystems, Research Triangle Park, NC

[Part 1 of 2]

Magazines related to ham radio from Ulrich's International Periodicals Directory 1988-89 edition. Comments on the content or value of any of these from those who have seen them would be appreciated. I might have missed some of the foreign language ones since it didn't always give a hint as to the subject matter. Also, the US magazine "Ham Radio" was not included in their list. I don't know what the criteria was for inclusion in their listing. If you notice an omission, please send me the relevant info, so I can maintain the list. Enjoy.

gb wa4fut

section: Communications - Radio and Television

384.5 CS
AMATERSKE Radio. 1952. m. 60 Kcs($27.30) Vydavatelstvi Nase Vojsko, Vladislova 26, 11366 Prague 1, Czechoslovakia. Ed. Frantisek Smolik.

621.38 CS
AMATERSKE RADIO B. 1965. bi-m. 30 Kcs. Vydavatelstvi Nase Vojsko, Vladislavova 26, 11366 Prague 1, Czechoslovakia (Subscr. to: Artia Ve Smeckach 30, 111 27 Prague 1) Ed. Jan Klabal. circ. 85,000

621.38 AT ISSN 0002-6859
AMATEUR RADIO. 1933. m. Aus $45. Wireless Institute of Australia, Box 300, South Caulfield Vic. 3162, Australia TEL 03-528-5962. Ed. W. Rice. adv. bk. rev. abstr. charts. illus. cum.index every 5 years. circ. 8,700. Indexed: Pinpointer.

621.34 UK ISSN 0264-2557
AMATEUR RADIO. 1982. m. L10.80 Goodhead Publications. Ltd., 27 Murdock Rd., Bicester, Oxon, England. Ed. Richard Lamont. adv. circ. 30,000.

621.38 US ISSN 0889-6089
AMATEUR SATELLITE REPORT. 1981. bi-w. $24 6000. Radio Amateur Satellite Corporation, 850 Sligo Ave., No. 601, Silver Spring, MD

20910. TEL 301-589-6062. Ed Vern Riportella. (back issues avail.)

621.38 IT ISSN 0003-5386
ANTENNA; rassegna mensile di technica elettronica. 1928. m. L. 10000. Editrice Il Rostro, Via Monte Generoso 6-A, Milan, Italy. Ed. Alfonso Giovene. adv. charts. illus. index. circ 25,0000. Indexed: Sci.Abstr.

384.5 BL ISSN 0101-9112
ANTENNA - ELETRONICA POPULAR. 1926. m. $25 (Cz.$450) Antenna Edicoes Tecnicas Ltda. Av. Marechal Floriano 143, 20060 Rio De Janeiro RJ, Brazil. TEL (021) 223-2442. Ed. Gilberto A. Penna. adv. bk. rev. index every 6 mos. cir. 25,000.

384.5 001.6 621.381 UK
BERNARDS AND BABANI PRESS RADIO & ELECTRONICS & COMPUTER BOOKS. 1971. irreg., no.5, 1972. Bernard Babani (Publishing) Ltd. The Grampians, Shepherds Bush Rd., London W67NF, England

621.38 NZ ISSN 0006-9523
BREAK-IN. 1928. m. NZ. $50. New Zealand Association of Radio Transmitters, Inc. Box 1733, Christchurch, New Zealand. TEL 3-484-739. Ed. C.R. Craford. adv. bk. rev. charts. illus index. circ. 3,600. Description: Monthly journal for members of New Zealand amateur radio society (NZART) including technical construction articles, news and general operating information.

621.384 US ISSN 0007-893X
CQ; the radio amateurs' journal. 1945. m. $18. CQ Publishing, Inc., 76 N. Broadway, Hicksville, NY 11801. TEL 516-681-2922. Ed. A.M. Dorhoffer. adv. bk. rev. charts. illus. circ. 107,000. Indexed: Sci. Abstr.

621.384 JA ISSN 0007-8964
CQ HAM RADIO. (Text in Japanese) 1946. m. 13680 Yen($55) CQ Publishing Co., 1-14-2 Sugamo, Toshima, Tokyo 170, Japan. Ed. Mitsunobu Koiso. adv. charts. illus.

621.38 CN ISSN 0318-0867
The CANADIAN AMATEUR; Canadian amateur radio from coast to coast. Short title: TCA. 1973. m (Jul. & Aug. combined) CAN $25($25) (Canadian Amateur Radio Federation Inc.) C.A.R.F. Publications Ltd., Box 356, Kingston, Ont. K7L4W2, Canada. TEL 613-545-9100. Ed. George Sansom. adv. cir. 5,000.

621 VE
CIRCUIT - FOTON. 1980. m. Bs.200($40) M.G. Ediciones Especializadas S.A., Ave. Maturin No. 15, Urb. Los Cedros, El Bosque, Caracas 1050, Venezuela. adv. cir. 3,500.

621.384 GW ISSN 0178-269X
CQ DL. 1927. m. DM.52 for no-members. Deutscher Amateur-Radio-Club, Lindenallee 6, 3507 Baunatal, W. Germany (B.R.D.) Ed. Dr.Hans Schwarz. adv. bk. rev. charts. illus. tr.lit. index. cum-index: 1951-1954;

1960-1965; 1966-1970. circ. 50,000.

621.384 NE ISSN 0013-4767
ELECTRON: maandblad voor de Nederlandse radio-amateur. 1945. m. fl.62.50. Vereniging voor Experimenteel Radio Onderzoek in Nederland, Postbox 1166, 6801 BD Arnhem, Netherlands. TEL (085)426760. Ed. H.H. Duivenvoorden. adv. bk. rev. charts. illus. tr.lit. index. circ. 13,000. Description: publication for radio amateurs covering news and information, technology, amateur satelites, antennas, international news, reports of events, and contest results. Includes calendar of events, and association library news.

384 GE
FUNK AMATEUR. m. M.60.40. Militaerverlag der Deutschen Demokratischen Republik, Storkower Str. 158, 1055 Berlin, E. Germany (D.D.R.) Ed. Karl-Heinz Schubert. charts. illus.

621.38 JA

--- FD 1.99c
 * Origin: Moderator, HAM_TECH / HAM4SALE Echoes (1:234/1)

```
--
  |\/\/\/|
  |      | Jim Grubs - via FidoNet node 1:234/1
  | (o)(o) UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
  |     _) INTERNET: jim.grubs@w8grt.fidonet.org
  | ,___|  ____________________________________________
  |   /     "I wanna go to the ham radio National Park
 /____\         of the Mind and ride the NOS!"
```

```
From 1013150074981550696
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38d0080cff917e06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 17:38:56 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!helios.ee.lbl.gov!
hellgate.utah.edu!uplherc!wicat!keithm
From: keithm@wicat.UUCP (Keith McQueen)
Newsgroups: rec.ham-radio
Subject: Re: YAESU FT-411 MOD, please help!
Message-ID: <464@wicat.UUCP>
Date: 20 Jun 90 00:38:56 GMT
References: <7880152@hpfcdc.HP.COM> <99533@philabs.Philips.Com>
Reply-To: keithm@wicat.UUCP (Keith McQueen)
Organization: WICAT Systems, Orem, Utah
Lines: 37
Posted: Wed Jun 20 01:38:56 1990
X-Local-Date: 19 Jun 90 17:38:56 PDT
```

In article <99533@philabs.Philips.Com> rfc@briar.philips.com.UUCP (Robert Casey) writes:

```
.
.
.
    [stuff about ft-411 & ft-470]

    [About the '470]...
>
>HOWEVER!  If you turn on the radio with the RPT key depressed, the radio
>becomes a crossband repeater.  Try it! ...
    [Stuff about the audio not being great]

    You can fix this audio problem easily by building a Audio pass-through
cable.  Very simply build a cable that connects the tip of the earphone
jack to the tip of the microphone jack.  Like this:

            --------           100K ohms         ---------
      <----------------------/\/\/\/\/\/\/-------------------->
            --------                             ---------
         mini-plug                               sub-mini plug

Connect only the tips.  Do not connect the grounds.  This results in
very good audio, the level of which is controlable by the volume
control.

>
>73's & happy dual/crossbanding!
>
>Collier Chun
>NM7B @ WA7ARI
>Intel Corporation, OEM Platforms Operation
>Hillsboro, Oregon


--
 Keith McQueen, Wicat Systems Inc. , (801)224-6400      | My opinions are |
 N7HMF @ NV7V.UT.USA.NA (84058), 147.34+, 449.675-      | all mine...     |


From -6388911399544339585
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,34c192f8a0fb0fa2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 18:06:53 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!decwrl!
bacchus.pa.dec.com!decatl!shlump.nac.dec.com!ricks.enet.dec.com!reisert
From: reisert@ricks.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: Re: Dubious quality of CQ review of AEA IsoLoop
Message-ID: <12680@shlump.nac.dec.com>
Date: 20 Jun 90 01:06:53 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 23
```

Posted: Wed Jun 20 02:06:53 1990

In article <1990Jun19.220825.2911@midway.uchicago.edu>, gary@midway.uchicago.edu (gary buchholz) writes...
>
>was pretty much disappointed with the "quality" of the review. The review
>seemed to me to be more of an advertisement for the IsoLoop than any kind
>of comparative critical analysis.

This isn't about the review, but I noticed at least two errors in K2EEK's editorial, "Zero Bias". First, he used J. Craig Clark's old call, N1ACH, instead of his current call, NX1G. Second, they printed the word "peaked" when the really meant "piqued". I'm starting to miss _ham radio_ already!

jim, AD1C

=-=

"The opinions expressed here in no way represent the views of Digital Equipment Corporation."

James J. Reisert   Internet: reisert@ricks.enet.dec.com
Digital Equipment Corp.   UUCP: ...decwrl!ricks.enet!reisert
77 Reed Road
Hudson, MA 01749-2895

From 6375110633370945938
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,48d858f8ce8288f6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 21:27:45 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!yale!cmcl2!lanl!rdw2030@venus.tamu.edu
From: rdw2030@venus.tamu.edu
Newsgroups: rec.ham-radio
Subject: Strange RFI
Message-ID: <54550@lanl.gov>
Date: 20 Jun 90 04:27:45 GMT
Sender: news@lanl.gov
Reply-To: rdw2030@venus.tamu.edu
Organization: TAMU
Lines: 15
Posted: Wed Jun 20 05:27:45 1990

David Tiller talks of some mysterious and growly interference on 10M. If that is the only place you hear this, you are lucky!

I have them on all bands. They come in intervals just like yours! They seem to be about 20-30KHz wide and occur every 50-60KHz. They are EXTREMELY annoying, I agree. I just always assumed that they are from noisy power lines in the area, but have never really tried to verify this theory.

I was thrilled to see you mention this! As I read, I was amazed at how similar to my problem yours is and how well you described it.

Anyone got any ideas? I'm sure someone SOMEWHERE knows what it is! But like I said, I have a sneaky suspicion that it's power line noise.

Mark Lowe - KB5III

From 6338119683692229985
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95580c46a828efa5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 21:38:09 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!cs.utexas.edu!yale!cmcl2!lanl!rdw2030@venus.tamu.edu
From: rdw2030@venus.tamu.edu
Newsgroups: rec.ham-radio
Subject: Amateur Auxiliary
Keywords: QRM, Illegal
Message-ID: <54551@lanl.gov>
Date: 20 Jun 90 04:38:09 GMT
Sender: news@lanl.gov
Reply-To: rdw2030@venus.tamu.edu
Organization: TAMU
Lines: 27
Posted: Wed Jun 20 05:38:09 1990

Are there any members of the Amateur Auxiliary here? What ability does the (ahem) AA :-) have to help control this sort of crap that's going on on 20M and elsewhere? I would love to get in on such an activity. Just tuning around, I hear so much garbage and feel helpless to do anything about it, as many others have stated here.

How does the Auxiliary work? I guess I can whip out the Handbook. Hmmm... precious little. It refers to an article in QST of Aug '84.

But hey, if we all write to our section managers (the guys that control the Auxiliary for their area) and find out about this, maybe we CAN do something!

I'm not one to advocate "tattling" on a fellow ham, but if he is deliberately abusing the privilege, than screw it! Let the FCC know and hope that $1000 fine does the trick!

What do you all say? I have not heard of ANYONE being in the Aux., nor have I heard any mention of it in all my many years of hamming. (1.5, to be precise!) :-)

I really get steamed hearing it, though... and I'm ready to DO something about it, dammit!

Mark C. Lowe - KB5III

The C is for CILL!! C-I-L-L!

From -6139075558968471216
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9379d92f8aaa84a1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-20 03:23:32 PST
Path: gmdzi!unido!mcsun!sunic!dkuug!iesd!iesd.auc.dk!sunesen
From: sunesen@iesd.auc.dk (Peter Sunesen)
Newsgroups: rec.ham-radio
Subject: Kenwood TS440 Remote control program
Message-ID: <1990Jun20.102332.21047@iesd.auc.dk>
Date: 20 Jun 90 10:23:32 GMT
Sender: sunesen@iesd.auc.dk (Peter Sunesen)
Reply-To: sunesen@iesd.auc.dk (Peter Sunesen)
Organization: Mathematics & Computer Science, University of Aalborg
Lines: 15
Posted: Wed Jun 20 11:23:32 1990

I have made a program that can control a TS440 via the seriel command set. The program is called TSRem and runs on a IBM or compatible computer. It requires the interface IF232 from Kenwood or a self made that can concert 0/5V logic to standard RS232 +/-12V.

All seriel available functions can be controlled, and there is a menu for controlling the 100 memories. You can save or load memory files, and write a comment to every memory channel.

You can write to me at E-mail:
sunesen@iesd.auc.dk

Att: Lars Rasmussen

or write to me on my home BBS: OZ1HMN @OZ9BBS

From 7592321696817441717
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1fe3cda5f3a62791,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-20 04:20:37 PST
Path: gmdzi!unido!mcsun!uunet!midway!ncar!zaphod.mps.ohio-state.edu!mips!
pacbell.com!decwrl!ucbvax!STLAWU.BITNET!MROWEN
From: MROWEN@STLAWU.BITNET (Mike Owen W9IP)
Newsgroups: rec.ham-radio
Subject: CQ Magazine reviews
Message-ID: <9006201126.AA19141@ucsd.edu>
Date: 20 Jun 90 11:20:37 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15

Posted: Wed Jun 20 12:20:37 1990

A recent poster complained about the quality of the "review"
of the AEA Isopole antenna in the most recent CQ. He asked
whether this is a normal review for CQ ...

Well, it is. CQ has been notorious for years regarding its so-called
equipment reviews. They are almost never more than "gee, I liked
it and it fit in my Porsche." I would never, ever, make a buying
decision based on anything I read in CQ. The only reviews with
any credibility at all are those in QST. They have the lab equipment
to evaluate gear, the smarts to conduct the tests correctly, the
wisdom to refrain from testing stuff they can't evaluate properly, and
the cojones to point out shortcomings. They aren't perfect, but they're
a long shot better than the drivel that CQ passes off as "reviews."

There.

From -5924473057622882724
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,52fbceb4e8f9325,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-20 05:22:23 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!
zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!yale!cmcl2!lanl!rdw2030@venus.tamu.edu
From: rdw2030@venus.tamu.edu
Newsgroups: rec.ham-radio
Subject: QRP Notebook
Keywords: QRP, W1FB
Message-ID: <54597@lanl.gov>
Date: 20 Jun 90 12:22:23 GMT
Sender: news@lanl.gov
Reply-To: rdw2030@venus.tamu.edu
Organization: TAMU
Lines: 12
Posted: Wed Jun 20 13:22:23 1990

Well, I finally got my backordered QRP Notebook today! I'm glad it went
backorder, because it's the brand-new 1990 edition!

From what I've already seen, it's a GREAT reference.

I got this plus the three QST's I missed for rejoining the ARRL last month.
That's over $10 of goodies, there... FREE!

If your membership expires... wait a little bit to renew! :-)
It's worth it!

Mark C. Lowe - KB5III

From 7638929504692634411

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e61ab78f338d9b4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-20 06:12:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!AUDUCVAX.BITNET!SPADGETT
From: SPADGETT@AUDUCVAX.BITNET
Newsgroups: rec.ham-radio
Subject: The Saturday REAL EBS test
Message-ID: <9006201317.AA21484@ucsd.edu>
Date: 20 Jun 90 13:12:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 42
Posted: Wed Jun 20 14:12:00 1990

Several people have mentioned about the Saturday in 1971 the news wire services transmitted the EBS message that said an attack on the United States had been detected. I was working on the air at WMMB in Melbourne, Florida when that message rolled down the wire.

What I remember most about that day was immediately after the message that in effect announced the start of World War III, the AP followed with the Chicago hog prices. It was hard to take the message seriously when the wire is giving more coverage to hogs than the attack.

Every radio station was susposed to have a red envelope containing the "authenticator list" for EBS tests. The authenticator list was a series of words for each day of the month. The word in the envelope must match the authenticator word on the message before you can consider the message as real. The word for that day was HATEFULNESS. The EBS message had the correct authenticator word. I had to consider the message as real and read the "red card" EBS message over the air then took the station off the air. (We were not the primary EBS station.)

It took the AP 40 minutes to properly terminate the EBS message. During that time, I remember taking many phone calls from irate listeners and very upset station manager. The station manager cooled down when the FCC investigated and found that very few broadcast stations around the country actually did what they were susposed to during the alert.

Steve Padgett
KK4NM

Assistant Professor of Mass Communication
Department of Communication
6030 Haley Center
Auburn University
Auburn, AL   36849-5211

Bitnet: SPADGETT@AUDUCVAX

Phone: (205) 844-2750

From 6090266107157645604
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,34c192f8a0fb0fa2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-20 06:22:33 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!wuarchive!decwrl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: Dubious quality of CQ review of AEA IsoLoop
Message-ID: <58@thoreau.nsc.com>
Date: 20 Jun 90 13:22:33 GMT
References: <1990Jun19.220825.2911@midway.uchicago.edu>
Organization: National Semiconductor, S. Portland, Maine
Lines: 29
Posted: Wed Jun 20 14:22:33 1990

In article <1990Jun19.220825.2911@midway.uchicago.edu>, gary@midway.uchicago.edu (gary buchholz) writes:

> Just read the review of the AEA IsoLoop in the July CQ.
>
> What kind of review is this - "It didn't matter" ?
>
> Where's the hard numbers...
>
> (I would of expected to derive the answer to this question from the CQ
> review - but I didn't. . .)

While most hams don't possess the type of equipment to make detailed measurements on review antennas you are correct to indicate that there are a few parameters which every ham could benefit knowing before rushing out to buy one of these wallet smashers.

I guess this is how CQ can manage to run several reviews of the same item (they have done it in the past). All the more reason to join ARRL and read QST, this is the type of review they will have a ball with. Several years ago QST did a review
on a broad band dipole; after running all the usual tests they even X-RAYed! the matching network and discovered several components in the potting that were not even connected!!! And they even FLAMED the product in the report. That is QUALITY
in editorial policy, it's a shame that this is being diluted by the need to mantain a broad base of readership.

So we'll all have to wait for the QST review of the AEA IsoLoop.

73,
Ron Todd, K3FR

From 9207981131767500450
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1b0189ea875dd6b6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-20 07:54:06 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!decwrl!ucbvax!TOPS20.RADC.AF.MIL!POPYACK
From: POPYACK@TOPS20.RADC.AF.MIL
Newsgroups: rec.ham-radio
Subject: [mgb@tecnet1.jcte.jcs.mil: ANS: Field day software bugs]
Message-ID: <12599327694.14.POPYACK@TOPS20.RADC.AF.MIL>
Date: 20 Jun 90 14:54:06 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 51
Posted: Wed Jun 20 15:54:06 1990

Return-Path: <mgb@tecnet1.jcte.jcs.mil>
Received: from tecnet1.jcte.jcs.mil by TOPS20.RADC.AF.MIL with TCP; Tue 19 Jun 90 17:35:29-EST
Received: by tecnet1.jcte.jcs.mil (5.54/SMI-4.0)
     id AA20355; Tue, 19 Jun 90 17:27:37 EDT
Date: Tue, 19 Jun 90 17:27:37 EDT
From: mgb@tecnet1.jcte.jcs.mil
Message-Id: <9006192127.AA20355@tecnet1.jcte.jcs.mil>
To: popyack@tops20.radc.af.mil
Posted: Jun 19 17:24 EDT
Subject: ANS: Field day software bugs

Let me know PLEASE if you get an answer! I have the same problem and have written him email on it. Also ftp'ed the file again just to make 100% sure that it didn't get damaged in transit... unlikely but I wanted to make absolutely sure. Same thing.

I am considering calling on the phone... I have no other replacement for the program and we now are counting on it.

Last ditch effort would be to take the data files after field day and write a routine to comma delimit them, or in some other way make them readable for DBASE or one of its many cousins.

What a bummer :-(

Mark Bitterlich
wa3jpy@wb4uou
mgb@tecnet1.jcte.jcs.mil
>The following is the message that was responded to.

```
>
>To: tecnet@tecnet-clemson.arpa
>From: POPYACK@TOPS20.RADC.AF.MIL
>Posted: Jun 18 15:27
>Cc:
>Subject: Field day software bugs
>
>I have tried the field day program (FIELDAY.ZIP) by Paul Cassel, VE3SY.
>It works well until I run the program to print the results.  It hangs up
>all the machines I have tried it on.  I would love to use this program for
>field day, but it is useless if it cannot print the results!
>
>Paul, if you are out there, send me a response to
>
>POPYACK@TOPS20.RADC.AF.MIL
>
>I have been unable to get mail to you.  73 Len WF2V
>-------
>
-------



From -4906065940280090269
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,34c192f8a0fb0fa2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-20 08:24:30 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!usc!zaphod.mps.ohio-
state.edu!sdd.hp.com!hp-pcd!hplsla!charlier
From: charlier@hplsla.HP.COM (Charlie Panek)
Newsgroups: rec.ham-radio
Subject: Re: Dubious quality of CQ review of AEA IsoLoop
Message-ID: <5720070@hplsla.HP.COM>
Date: 20 Jun 90 15:24:30 GMT
References: <1990Jun19.220825.2911@midway.uchicago.edu>
Organization: HP Lake Stevens, WA
Lines: 29
Posted: Wed Jun 20 16:24:30 1990

/ rec.ham-radio / gary@midway.uchicago.edu (gary  buchholz) 3:08 pm Jun 19, 1990
>
>Just read the review of the AEA IsoLoop in the July CQ.  Being interested in
>review - but I didn't. . .)
>
  Well, for a "review" of the Iso-Loop that isn't an advertisement, check
out the May issue of WorldRadio News.  The antenna column, written
under the pseudonym "Kurt N. Sterba" contained some fairly critical
text.  I threw that issue away, unfortunately, but that column in the July
issue is interesting.  Seems that the publisher gave "Kurt" a phone
call, and demanded to know what was the deal (Apparently Mike Lamb of AEA had
given Armond a call)  Anyway, "Kurt" isn't backing down, but they did give
Lamb space for a "rebuttal", where he says just about what Gary did in his
note. (i.e. no hard numbers, the advantages of narrow bandwidth, etc.)
```

In any even, AEA has sent "Kurt" an IsoLoop to play with, and he says he will report his results in a month or two.

You know, I've never taken WorldRadio very seriously (I got a life subscription to it when I was a teenager (thanks Dad!)), But the fact that they even printed an article critical of one of their advertisers bumps up my estimation of them a notch or two. Would even the ARRL, which is a membership organization, not just a magazine, be this openly critical? Probably not. Ham radio sorely needs a Consumer Reports type of organization, to give impartial reviews, but alas, who would/could fund such a thing?

OK, OK, I'll get off my soapbox.

Charlie
KX7L

From 5332357093782453148
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b5b90037feaae26
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-20 09:29:00 PST
Path: gmdzi!unido!mcsun!uunet!seismo!ukma!psuvax1!brutus.cs.uiuc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: My own funky call
Message-ID: <7880156@hpfcdc.HP.COM>
Date: 20 Jun 90 16:29:00 GMT
References: <564@entec.Wichita.NCR.COM>
Organization: HP Ft. Collins, Co.
Lines: 5
Posted: Wed Jun 20 17:29:00 1990

> In addition to n0pay and n0mad, n0ise would be interesting.

They're issuing faster than I would'a guessed. A friend just got N0MCR -- they whizzed through N0MA and MB in a hurry. (I wonder if they skipped a lot of the word-like calls in that range.)

From 3542236470041119366
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bce5b7fb64356de
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-20 09:42:54 PST
Path: gmdzi!unido!mcsun!uunet!seismo!ukma!psuvax1!brutus.cs.uiuc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: Making ham radio known
Message-ID: <7880159@hpfcdc.HP.COM>
Date: 20 Jun 90 16:42:54 GMT

References: <9006172224.AA03527@ucsd.edu>
Organization: HP Ft. Collins, Co.
Lines: 16
Posted: Wed Jun 20 17:42:54 1990

> Think about what you do in ham radio. Do you yak with your friends on
> the way to work on the 2-meter repeater?

Well I've only been Tech-licensed a week and a half, but one thing I do
is help people make phone calls to friends from the top of 14000'
mountains. If that doesn't stimulate interest, I dunno what will.

-- Last Sunday I had a chat with someone in Greeley from the top of
Mount Lincoln, 14286', through the Horsetooth Mountain repeater, 95.5
miles distant, using 2.5 watts on a 2m handheld with a Hot Rod antenna.

Right after that I raised someone in Colorado Springs through
line-of-sight (and what a pretty sight) to Pikes Peak, 68 miles away.

And within minutes I contacted N0UA air mobile on his way into
Centennial Airport at 8500', on simplex.

From -5615822489163853777
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38d0080cff917e06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-20 09:47:04 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!mailrus!uwm.edu!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: YAESU FT-411 MOD, please help!
Message-ID: <7880160@hpfcdc.HP.COM>
Date: 20 Jun 90 16:47:04 GMT
References: <99533@philabs.Philips.Com>
Organization: HP Ft. Collins, Co.
Lines: 11
Posted: Wed Jun 20 17:47:04 1990

> To allow the FT-411 to recieve from 130 MHz to 174MHz and to transmit
> from 140 MHz to 151 MHz...

Thanks but, as it came from the factory, it already receives on 130.0 -
174.0 (inclusive) and transmits on 140.0 - 150.0 (inclusive). (The
latter surprised me, considering the ham band is 144.0-148.0, right?)

Is there anything interesting in 150.0 - 151.0?

And how do I access the mods server? (I know, "groan", there's that
question again. Please bear with the new guy on the frequency.)

From 3145519482326268684
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,89c84da0b91c19a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-20 10:09:25 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!
ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: 20 meter mess
Message-ID: <1250177@hpnmdla.HP.COM>
Date: 20 Jun 90 17:09:25 GMT
References: <329@e2big.enet.dec.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 14
Posted: Wed Jun 20 18:09:25 1990

>
> I do however agree that the garbage heard on the Nets and
> DXpeditions on all of our heavily used bands is getting way out of
> hand, and will probably cost us some of our precious frequency
> allocations in the future. I even avoid tuning across 20 or 80 with
> a prospective new ham in the shack listening because of the illegal
> activities that are quite often taking place.
>
> Anyone have any ideas ...

I have an idea. Eliminate voice as a legal mode in Amateur radio.

Al N1AL

From 1942834727859546544
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7433d9003efba4ba,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-20 11:23:30 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!decwrl!ucbvax!
XEROX.COM!"wayne_a._lightsey.RochXRC"
From: "wayne_a._lightsey.RochXRC"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: From: uc!shamash!mpe@tut.cis.ohio-state.edu (2375)
Message-ID: <900620-112418-5507@Xerox>
Date: 20 Jun 90 18:23:30 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25
Posted: Wed Jun 20 19:23:30 1990

I may have seen your questions, but do not recall. If they were posed in a
manner that would require a tome to answer, I probably skipped over them -
I plead guilty. I all too often assume that dozens of others will bury you

with answers - which apparently didn't happen in this case.

If you will pose the questions once again (directly to me if you do not wish to bore the net again), I will certainly attempt to answer them to the best of my ability. Understand though, that you will obtain opinion only - based upon 25 years of professional engineering/sales/marketing/consulting and 36 years of amateur radio experience - not necessarily expert nor in total agreement with what others will tell you. Just what I think. The net result is that the advice you get is worth exactly what you pay for it -- meaning you will still have to decide for yourself after I and others share with and probably confuse moreso than enlighten you.

Just in case you didn't indicate before, it would be helpful to know the intended use(s) (SW listening, two-way communications, fixed frequency monitoring, weather satellite monitoring, RTTY, Packet, AMTOR, etc.), frequency ranges and types of modulation (AM, FM, SSB, CW, etc.) desired, whether to be used in conjunction with a transmitter now or later, portability and/or power requirements, age of the operator(s), any physical disabilities (sight, hearing ,etc.) and other pertinent requirements.

Listening is a big part of ham radio. It starts with receiving. What is it you want hear? Best regards, Wayne, KB6CSP

```
From 1967628728577968960
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c635a2704a0818fd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-20 11:33:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!decwrl!
ucbvax!ALDERAAN.SCRC.SYMBOLICS.COM!Ed
From: Ed@ALDERAAN.SCRC.SYMBOLICS.COM (Ed Schwalenberg)
Newsgroups: rec.ham-radio
Subject: Call for Comment, CB "Traffic Advisory Channel" petition
Message-ID: <19900620183321.7.ED@PEREGRINE.SCRC.Symbolics.COM>
Date: 20 Jun 90 18:33:00 GMT
References: <usc!cs.utexas.edu!texbell!uudell!bigtex!natinst!sequoia!attdso!ssc!
markz@ucsd.edu>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Wed Jun 20 19:33:00 1990
```

    Date: 14 Jun 90 19:06:15 GMT
    From: usc!cs.utexas.edu!texbell!uudell!bigtex!natinst!sequoia!attdso!ssc!
markz@ucsd.edu (Mark Zenier)

    In article <25212@usc.edu>, kjh@pollux.usc.edu (Kenneth J. Hendrickson)
writes:
    > A few hams on here are old
    > enough to remember when the band was _stolen_ from us.

Your bad attitude in unpardonable. 33 years is a long time for a stupid grudge.

I think his bad attitude is especially unpardonable because he's only 27.
He is falsely attempting to don the mantle of an old-timer, when in fact
he's just a premature old fart.

From 1992434467907004746
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,699f7715a9af863c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-20 13:46:00 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!ucbvax!NKUVAX.BITNET!JOHNSTON
From: JOHNSTON@NKUVAX.BITNET ("Gary Johnston, Music Department")
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V1 #32
Message-ID: <782A9ADDA73F005DBE@NKUVAX.BITNET>
Date: 20 Jun 90 20:46:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Wed Jun 20 21:46:00 1990

RE: From: att!tsdiag!davet@ucbvax.Berkeley.EDU (Dave Tiller N2KAU)
Subject: Ham calls seen in horrible movie
Subject: Ham calls seen in horrible movie

Interesting! I heard a ham call used by the Higgins character in the
Magnum series. It was N6DBZ. Anybody know who it belongs to - a
TV producer or tech or friend of one of the writers, etc etc??

Gary Johnston, KI4LA
JOHNSTON@NKUVAX.BITNET
Covington, Ky

From 8972148724977074619
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,147706227b181a79
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-20 14:44:33 PST
Path: gmdzi!unido!mcsun!uunet!wa3wbu!compnect!daveh
From: daveh@compnect.UUCP (Dave Hultberg)
Newsgroups: rec.ham-radio
Subject: Re: Radio Shack Pro-200x series Mods
Summary: handheld 200x???
Message-ID: <643@compnect.UUCP>
Date: 20 Jun 90 03:28:06 GMT
References: <1990Jun14.233941.21457@cbnewsd.att.com> <22542@shamash.cdc.com>

Organization: John Core at home, Harrisburg,PA
Lines: 12
Posted: Wed Jun 20 04:28:06 1990

In article <22542@shamash.cdc.com>, mpe@shamash.cdc.com (2375) writes:
> I am interested in any modifications for the Radio Shack Pro-200x series
> hand-held receivers.

I am unaware of any handhelds in the RS PRO-200x series. There are mods for
the PRO-34 handheld. The best collection of mods for the RS-200x series of
scanners, IMHO is Bill Cheek's Scanner Modification Handbook. It is available
from CRB Research Books, P.O. Box 56, Commack, NY 11725. I have no connection
with the company, but I am a satisfied customer. 73

```
--
==============================================================================
Dave Hultberg   Radio:  KA3UZR             UUCP:  uunet!wa3wbu!compnect!daveh
CIS:  72437,3215   US Snail:  1407 Concord Road, Mechanicsburg, PA  17055-1955
```

From 6916348582322875022
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,406d01b08c1fe0b3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-20 14:56:24 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: Oops! This weekend is Field Day!
Message-ID: <9006200255.AA12695@ti.com>
Date: 20 Jun 90 02:41:48 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 30
Posted: Wed Jun 20 03:41:48 1990

Oops!

I didn;t think about what I was saying...

OF COURSE, EVERYONE IS GOING OUT TO FIELD DAY THIS WEEKEND.

If you go to a movie *-NEXT-* weekend, please note what you find and
let me know, if you would, via e-mail...

AS AN AFTERTHOUGHT,

maybe if the NCN folk could be convinced this was to be a nation-wide
campaign, a "quantity" discount could be arranged for smaller clubs that
could not afford the normally exorbitant rates...

I doubt if the rates are too bad as advertising rates go, it's just a lot
of money for a rubber-band & paper-clip budget...

Cheers, all!

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                         !   "In order to accomplish the
 Bob West WA8YCD                !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM       !    the absurd!"
                                !       -- Miguel de Animo y Jugo
 P. O. Box  863069              !
 Plano Texas 75086              !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

```
From 176000332825835879
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bce5b7fb64356de
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-20 15:36:48 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: RE: Making ham radio known
Message-ID: <9006200239.AA12505@ti.com>
Date: 20 Jun 90 02:29:56 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 43
Posted: Wed Jun 20 03:29:56 1990
```

I go to a lot of movies. Several of the local theatres (particularly those franchised under Loew's and AMC) show slides between the features. As I sat there waiting for some film to begin, it occurred to me that we could do nicely to have one or two frames in that tray to show various aspects of hamateur radio. With a local club or contact address/phone number.

I called the National Cinema Network rep who informed me of the price. It was really high--more than *-I-* could afford, but maybe a club could manage it...? ((I mean a really BIG club!))

If these folks could be cajoled into running it as a Public Service Announcement (PSA) it might be cheaper.

The main thing the rep told me was how many people, statistically, see those frames. They're only on-screen for a few seconds (Kodak Carousel on 5-sec??) but they come back around. Two or three frames in each tray would almost guarantee that each audience would see one of them.

If the slides were well done... professional media whiz needed!... it just might be worthwhile if it gets some folks aware of (1) what amateur radio is, and (2) who to contact for more information.

Comments/suggestions, anyone?

Anyone who goes to a movie this weekend, notice if your theatre does the slides (usually local adverts, coming attractions, and the ones down here in the Dallas area all have Movie Trivia questions.) Also please, try to notice who runs it, whether it's N.C.N. or someone else.

Just a thought...

73, all!

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                         !   "In order to accomplish the
 Bob West WA8YCD                !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM       !    the absurd!"
                                !       -- Miguel de Animo y Jugo
 P. O. Box  863069              !
 Plano Texas 75086              !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

```
From -3373923162100788531
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd3c00c16f90dd05
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-20 16:22:50 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!elroy.jpl.nasa.gov!jato!cduncan
From: cduncan@jato.Jpl.Nasa.Gov (Courtney Duncan N5BF)
Newsgroups: rec.ham-radio
Subject: Re: QRV 4 FD / Satellite info wanted
Message-ID: <4119@jato.Jpl.Nasa.Gov>
Date: 20 Jun 90 23:22:50 GMT
References: <9006191959.AA24156@uunet.uu.net>
Reply-To: cduncan@jato.Jpl.Nasa.Gov (Courtney Duncan N5BF)
Organization: Jet Propulsion Laboratory, Pasadena, CA
Lines: 23
Posted: Thu Jun 21 00:22:50 1990
```

To make QSOs via the current pacsats requires more than just a TNC and radio. A 1200 baud PSK modem (kits are available from TAPR, AMSAT, and RadioKit, among others) must be constructed and interfaced with a TNC-2 or equivalent. Packcom has units already assembled that will also work. These take audio from an SSB receiver on 435 or 437 MHz pacsat frequencies and input data to the TNC. For uplinking, a 2 meter FM transmitter is used. Uplink data is "manchesterized" within the same PSK modem box, as a convenience. Satellites using this mode (known as "Mode JD, or FO-12 mode in deference to the first satellite utilizing it, the now defunct FO-12) are AO-16, LO-19 and FO-20. UO-14 uses 9600 baud packet and may also be available on FD.

If you are not already pacsat capable, getting ready in the two days remaining before set-up starts will be difficult. Of course,

analog (SSB or CW) satellite contacts will be possible via RS-10/11 (which
uses 2 meters up and 10 meters down) and/or AO-13 (which uses 435 MHz
up and 2 meters down, among other modes). If you are interested
in attempting contacts of any of these types, I can provide times
of passes for your location and frequencies of operation. Of course,
programs which provide the former and literature providing the latter
are available from AMSAT-NA, POB 27, Washington, DC 20044; 301-589-6062.

73, Courtney, N5BF

From 1135434131095238051
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc6ad0d1caaad42d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-20 17:06:37 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!tektronix!sequent!dale
From: dale@sequent.UUCP (Dale Mosby)
Newsgroups: rec.ham-radio
Subject: Need Kenwood TS 430S manual
Message-ID: <37167@sequent.UUCP>
Date: 21 Jun 90 00:06:37 GMT
Reply-To: dale@sequent.UUCP (Dale Mosby)
Organization: Sequent Computer Systems, Inc
Lines: 15
Posted: Thu Jun 21 01:06:37 1990

Well, I bought a used radio, a Kenwood TS 430S. It lacks
a manual. Since it is a first radio other than 2 meter handheld,
I would *really* benefit having a manual for it. So if you
have one and can make a copy, please send me e-mail, or give
me a call. I'll be happy to pay copying and postage. Might
want to contact me first in case I've alread received an offer.
(Could I be so lucky as to have multiple responses?)

A good e-mail path is uunet!sequent!dale.
Work phone is (503) 627-9842, home (503) 640-0217.
Thanks!
--
```
   { uunet  pur-ee  tektronix sun  ogcvax cs.utexas.edu } !sequent!dale
   Dale Mosby   503-626-5700   // Sequent Computer Systems, Inc.
   15450 SW Koll Parkway       // Beaverton, Or.  97006-6063
```

From 8427437931540195019
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,39aa6c826d622db1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-20 17:43:18 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.UUCP (oo7)
Newsgroups: rec.ham-radio
Subject: bad movie, ham calls

Message-ID: <32035@ut-emx.UUCP>
Date: 20 Jun 90 07:33:22 GMT
Organization: The University of Texas at Austin, Austin, Texas
Lines: 30
Posted: Wed Jun 20 08:33:22 1990

>>davet@tsdiag.ccur.com (Dave Tiller N2KAU)

>>his partnership's name as well, YGH aviation.) As the camera panned thru
>>his shack, I noticed several QSL cards tacked to the shelf. I could make
>>out for sure WD9ARK, and K5VNJ, and the others looked like WB8VCM and
>>WD6NJY. Anyone know these Hams in person? The calls come back to:

>>If you know these Hams, tell 'em they're celebrities since their cards
are stars in a movie!
--

WD6NJY might be WD6DJY - the Kenwood Employees' club. I heard them on the air the other day, first thought "what a mouthful of a call", then realized it rang a bell from those Kenwood ads I've seen in QST and Other Fine Mags, I guess that says something about the power oif advertising. They have that ad showing a typical ham station with about a million $ worth of gear, and some QSL cards from faraway places like Puerto Rico on the wall. Their card with this call is featured somewhere in the ad, you could try and match it up with what you saw if you can be bothered - anything rather than spending your time watching bad xenophobic movies.

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
wills@utxvm (Bitnet)

From -6843679636031582344
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29a7dfd2108bd2f0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-20 19:09:00 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!rice!cs.utexas.edu!samsung!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!TRIUMFER.BITNET!MULTI
From: MULTI@TRIUMFER.BITNET
Newsgroups: rec.ham-radio
Subject: While Yaesu FT101 has the speech processor?
Message-ID: <90Jun20.212848edt.57975@ugw.utcs.utoronto.ca>
Date: 21 Jun 90 02:09:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7

Posted: Thu Jun 21 03:09:00 1990

Can anyone tell me the difference between a Yaesu FT101, an FT101B, and FT101E, and FT101EE, and an FT101EX. I would prefer a unit with a speech clipper and an integral 12 volt power supply as well as the 120 volt ac power supply. 600 hZ CW filter is a necessity.

Y.N. Miles,
<MULTI@TRIUMFcl.bitnet>

From -991915002345369953
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd328fb28f14daa4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-20 21:43:45 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!att!cbnewsj!mea1
From: mea1@cbnewsj.att.com (michael.e.alterman)
Newsgroups: rec.ham-radio
Subject: Denmark & Holland
Message-ID: <1990Jun21.044345.21793@cbnewsj.att.com>
Date: 21 Jun 90 04:43:45 GMT
Organization: AT&T Bell Laboratories
Lines: 23
Posted: Thu Jun 21 05:43:45 1990

We are planning a vacation to Denmark and the Netherlands this summer.

My wife and I are both licensed hams and we would like to bring our HT and or mobile transceiver with us. (ICOM-IC24AT and 3210, USA models)

We would like to use them to meet local hams, as well as for travel advice.

Are there repeaters on 2M and 440 MHz around those countries as there are here, and will our current equipment be fine for accessing them, or do they have different requirements for access, such as special tones, or different offsets?

Are the operating procedures on VHF/UHF repeaters similar to in the USA?

Can we obtain directories of repeaters, before we leave home.

What is the required procedure for reciprocal operating privileges?

Please reply via email, if possible.
Thank you very much.

--
Mike Alterman, N2KIC
uucp: att!mtfmi!mea or mea@mtfmi@att.com

From 1159178284785728462

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,60e20a136f5b93a4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-21 06:55:14 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!cdin-1!ki4pv!ka3ovk!albers
From: albers@ka3ovk.uucp (Jon Albers)
Newsgroups: rec.ham-radio
Subject: Re: making ham radio known (ARRL seems disinterested)
Message-ID: <1990Jun21.135514.2691@ka3ovk.uucp>
Date: 21 Jun 90 13:55:14 GMT
Organization: Internal Revenue Service
Lines: 32
Posted: Thu Jun 21 14:55:14 1990

Well, this message thread brings up sour memories of a meeting I was involved in planning back in March. Our club, MADRAS, invited Hugh Turnbull, W3ABC, and Kay Cragie, KC3LM, the ARRL Mid Atlantic Director/assitant Director, to speak before an open house at the Montgomery County Office building. The audience consisted of representatives of local ARRL member clubs, and we pretty well filled the cafeteria of the building. Anyhow, I was very impressed by Kay Cragie, who is the new kid on the block, and was very enthusistic about ham radio and had some very interesting ideas about expanding the hobby. However, I was very dissappointed in Hugh Turnbull, whom I voted for in the previous election. Several times during his time as the podium, questions were asked of him about what the ARRL was doing to advertize ham radio and as I worded it , "Put ham radio back on the kitchen table of America "(very patriotic, huh?). Anyhow, the answer was basically, the ARRL had no interest in doing that at all, and any elaboration was avoided by Hugh. It seems that the attitudes of the ARRL are largly one of a typical good-old-boys club, who don't want any of those new kids with unconventional ideas about the hobby get control of 'their' hobby. If this is typical of the attitudes of the ARRL, then I must agree with Wayne Greene of 73 magazine -- it's time for the ARRL to have some competition from another ham radio orgainization. Maybe than amateur radio has a chance to survive in the U.S. Unless the hobby can be made visible to the public, and be attractive to the public in todays society, it is doomed. Honestly, I don't know how to do it, but I do know it needs to be done, and soon.

Jon

```
--
| Jon Albers, IRS, Information Systems Management, Support and Installation.  |
| Office Symbols: ISM:S:S:SI   voice: (202/FTS)535-3729  Packet: KA3OVK@N4QQ  |
| UUCP:(media|teemc|tcsc3b2|ki4pv)!ka3ovk!albers ARPA: JALBERS@SIMTEL20       |
```

From -6850741980863163612
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,34c192f8a0fb0fa2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-21 06:57:17 PST

Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!know!zaphod.mps.ohio-state.edu!rpi!bu.edu!mirror!necntc!necis!rbono
From: rbono@necis.UUCP (NM1D)
Newsgroups: rec.ham-radio
Subject: Re: Dubious quality of CQ (review of AEA IsoLoop)
Summary: I want my Ham Radio Magazine!!!
Message-ID: <1344@necis.UUCP>
Date: 21 Jun 90 13:57:17 GMT
References: <1990Jun19.220825.2911@midway.uchicago.edu>
Organization: NEC Technologies, Inc., Boxborough, MA
Lines: 71
Posted: Thu Jun 21 14:57:17 1990

In article <1990Jun19.220825.2911@midway.uchicago.edu>, gary@midway.uchicago.edu (gary buchholz) writes:

>
> Just read the review of the AEA IsoLoop in the July CQ. Being interested in purchasing one the these antennas it was the first thing I read. . . but was pretty much disappointed with the "quality" of the review. The review seemed to me to be more of an advertisement for the IsoLoop than any kind of comparative critical analysis. Further, the "performance" characteristics of the IsoLoop were given as subjective judgements when in fact a quantitative comparison could have been used.
>

I also read this artical, beacause that it was one of the first I have seen on the IsoLoop. I ended up with many of the SAME questions that GARY did.

I also noticed several other errors in the magazine, the editorial which, by the way, was the only mention of the "takeover" of Ham Radio by CQ Mag. also it made a mistake in the call sign of one of its "new" employees from Ham Radio Mag (Craig has not held N1ACH for a while now (he is now NX1G).
I don't always read the editorials..... I wonder how many devoted Ham Radio subscribers will be surprized to find a "CQ" rag in their mailbox?!?!?

Back to the review.... This same author telephoned me to get the latest copy of my DOSGATE packet application. He praised himself... kept telling of his hundreds/thousands of dedicated readers.... Basically, he wanted to perform a review of DOSGATE, and publish it in "his column".... Never having read his column, I had him send me an S.A.S.E. for the DOSGATE disk, the same offer I make to everyone else.....

A few months later.... I heard that the artical was published (this author never contacted me again... and I was not even told of the publishing date or target). I friend gave me his copy of the magazine with the artical (I think it was April, '90)... The author used over 75% of text from my documentation. There was very little 'review'.... I believe that a 'lay' person (one who is NOT familliar with DOSGATE) would not be able to figure out what DOSGATE is all about from this artical....

So I guess we should get use to these sorts of reviews... No wonder I hear so many beginers saying things like: "I talked with Italy today on 10 meters using a rubber ducky, 5 inch antenna. So it must be a good antenna". Or, (when they are listening to the output of a repeater) "Yes, your new hand held 1 watt radio is doing fine.... your signal here is 'full pin' on my S-meter"....

I guess we can only try to 'educate' the beginers... explain how to do some simple experiments, and to interpret the results.

Back to the IsoLoop (sorry for the rambling)... If anyone buys one of these things.... please let us know how it compares with a dipole cut for the band of interest, installed at a similar height, and make some contacts 'broadside' to the dipole, and switch back and forth between the two antennas while in contact with the same station.... Somehow I don't think that the IsoLoop will outperform any 'standard' antenna... It may be good as far as 'limited' space antennas go... If anyone has one, I would be glad to evaluate it for them!!

Needless to say.... I am NOT impressed with "CQ Mag".... I hope they will clean up their act.... I will probably let the rest of my subscription run its course.....

Geesh... my 'first' issue (since Ham Radio).... and I am already VERY UNHAPPY...... as 'Dire Straits' (sp?, the Rock Group) says:

I WANT MY H R M (HAM RADIO MAGAZINE)!

Rich

```
--
 /***************************************************************************\
 * Rich Bono (NM1D)    If I could only 'C' forever!!    rbono@necis.nec.com *
 * (508) 635-6300          NEC Technologies Inc.               NM1D@WB1DSW *
 \***************************************************************************/
```

From -5491674603659241946
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,89c84da0b91c19a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-21 07:22:44 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!utgpu!watserv1!watmath!att!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: 20 meter mess
Message-ID: <1021@tsdiag.ccur.com>
Date: 21 Jun 90 14:22:44 GMT
References: <329@e2big.enet.dec.com> <1250177@hpnmdla.HP.COM> <192@ultrix.uhasun.hartford.edu>
Organization: Concurrent Computer Corp. Oceanport NJ
Lines: 24
Posted: Thu Jun 21 15:22:44 1990

In article <192@ultrix.uhasun.hartford.edu> jbloom@uhasun.hartford.edu (Jon Bloom)

```
writes:
-In article <1250177@hpnmdla.HP.COM>, alanb@hpnmdla.HP.COM (Alan Bloom) writes:
->
-> I have an idea.  Eliminate voice as a legal mode in Amateur radio.
->
-> Al N1AL
-
-Something about babies and bath water springs to mind :-)
-
-Jon

Or just for hams with Extra calls...  :-)
>
>--
>Jon Bloom, KE3Z                              | American Radio Relay League
>Internet: jbloom@uhasun.hartford.edu         |
>Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."


--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z


From -3455219902600233536
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,269f38c9744a7a04,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-21 11:02:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!jarthur!elroy.jpl.nasa.gov!lll-
winken!sun-barr!newstop!texsun!texbell!merch!cpe!techsup!kenb
From: kenb@techsup.UUCP
Newsgroups: rec.ham-radio
Subject: '89 nissan truck - ignition noise
Message-ID: <400023@techsup>
Date: 21 Jun 90 18:02:00 GMT
Lines: 19
Nf-ID: #N:techsup:400023:000:724
Nf-From: techsup.UUCP!kenb    Jun 21 12:02:00 1990
Posted: Thu Jun 21 19:02:00 1990



...
does anyone have experience with ignition noise in nissan
hardbody pickups?  i have a 1989 truck that seems to radiate lots
of ignition noise.  i'm pretty sure that the dc from the battery
is clean -- i can unhook the antenna from the radio and the noise
is eliminated.  transmit audio is clean with the engine running
-- receive is clean on very strong signals.

this occurs with a kenwood tm-201 and an icom 3210.  the hood's
```

been "bonded" with braid. the noise is spike-type ignition
noise. i don't have a problem with alternator whine.

anyway, i'm looking for opinions before i start spending money on
suppressor-type gadgetry. thanks...

ken brookner, n5lpi
kenb@techsup.lonestar.org
...!texbell!techsup!kenb

From -1061438897877283482
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8cb345dd4df425b4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8cb345dd4df425b4,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 1153e1,8cb345dd4df425b4,start
X-Google-Attributes: gid1153e1,public
X-Google-ArrivalTime: 1990-06-21 11:58:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!cmic!garvey
From: garvey@cmic.UUCP (Joe Garvey)
Newsgroups: comp.sources.wanted,rec.ham-radio,rec.radio.shortwave
Subject: Satellite Link Calculation Software Wanted
Keywords: Wanted, Source or Binary, HELP, please
Message-ID: <348@cmic.UUCP>
Date: 21 Jun 90 18:58:16 GMT
Reply-To: garvey%cmic@mips.com
Followup-To: poster
Organization: Califonia Microwave Inc., Sunnyvale, CA.
Lines: 16
Xref: gmdzi comp.sources.wanted:9666 rec.ham-radio:12315 rec.radio.shortwave:1493
Posted: Thu Jun 21 19:58:16 1990

I'm hoping someone in net-land can help me locate software that does
satellite link calulations. The more variables that it includes the better
I'll like it. Sources in C preferred. However, I'll try just about anything
(once :-)). We have an HP 9000/370 running HPUX. However, if it is for an
IBM PC, or Apple MacIntosh... it's still useful.

Please respond via e-mail. I'll summarize or e-mail depending on the number
of "me toos" recieved.

--

Joe Garvey   UUCP: {apple,backbone}!versatc!mips!cmic!garvey
California Microwave   Internet: garvey%cmic@mips.com
990 Almanor Ave   HP Desk: garvey (cmic@mips.com) / hp1900/ux
Sunnyvale, Ca, 94086   800-831-3104 (outside CA)
408-720-6439 (let it ring)   800-824-7814 (inside CA)

From -58457201532295033

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6fb55c8d3ceeb876,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,6fb55c8d3ceeb876,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-06-21 12:47:17 PST
Path: gmdzi!unido!mcsun!uunet!wa3wbu!compnect!daveh
From: daveh@compnect.UUCP (Dave Hultberg)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Experimental Callsigns
Keywords: Correction to "X" suffix calls
Message-ID: <644@compnect.UUCP>
Date: 21 Jun 90 19:47:17 GMT
Organization: John Core at home, Harrisburg,PA
Lines: 31
Xref: gmdzi rec.ham-radio:12311 rec.radio.shortwave:1491
Posted: Thu Jun 21 20:47:17 1990

In response to the earlier posts on US callsign assignments, I checked the FCC ham callsign database for "X" suffix calls and found the following:

AA0X-AL9X	Ham calls AA0X-AL7X in database
AA0XA-AL9XZ	Ham calls AA4XA-AA4XZ & AA6XI & AA6XX in database
AA0XAA-AL9XZZ	No ham calls assigned in this block
K0XA-K9XZ	Ham calls K0XA thru K9XZ in database
K1XAA-K9XZZ	No ham calls assigned in this block
KA1X-KZ9X	Ham calls KA1X-KZ9X in database
KA1XA-KZ9XZ	Ham calls KA1XA-KM4XZ in database
KA1XAA-KZ9XZZ	No ham calls assigned in this block
N0XA-N9XZ	Ham calls N0XA-N9XZ in database
N0XAA-N9XZZ	No ham calls assigned in this block
NA0X-NZ9X	Ham calls NA0X-NZ9X in database
NA0XA-NZ9XZ	Ham calls NP4XA-NP4XZ in database
NA0XAA-NZ9XZZ	No ham calls assigned in this block
W0XA-W9XZ	Ham calls W0XA-W9XZ in database
W0XAA-W9XZZ	No ham calls assigned in this block
WA0X-WZ9X	Ham calls WA0X-WZ9X in database
WA0XA-WZ9XZ	No ham calls assigned in this block
WA0XAA-WZ9XZZ	No ham calls assigned in this block

The above was extracted from a fall 1989 copy of the FCC ham callsign database. X suffix ham calls have been assigned in 1x2, 2x1 and 2x2 callsign blocks. I was unable to to find any ham 1x3 or 2x3 ham calls with an "X" suffix, so these do appear to be reserved for experimental licenses. There are also no W 2x2 X suffix calls assigned yet.
--
==
Dave Hultberg   Radio: KA3UZR   UUCP: uunet!wa3wbu!compnect!daveh
CIS: 72437,3215   US Snail: 1407 Concord Road, Mechanicsburg, PA 17055-1955

From 2408431734528372214
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,89c84da0b91c19a6
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 103cba,a8dd3d11c76a4f94,start
X-Google-Attributes: gid103cba,public
X-Google-ArrivalTime: 1990-06-21 17:55:59 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!rpi!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: 20 meter mess
Message-ID: <192@ultrix.uhasun.hartford.edu>
Date: 21 Jun 90 03:14:48 GMT
References: <329@e2big.enet.dec.com> <1250177@hpnmdla.HP.COM>
Sender: news@uhasun.hartford.edu
Organization: The University of Hartford
Lines: 14
Posted: Thu Jun 21 04:14:48 1990

In article <1250177@hpnmdla.HP.COM>, alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>
> I have an idea.  Eliminate voice as a legal mode in Amateur radio.
>
> Al N1AL

Something about babies and bath water springs to mind :-)

Jon

--
Jon Bloom, KE3Z                              | American Radio Relay League
Internet: jbloom@uhasun.hartford.edu         |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."


From 5711506121917728675
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bf57973e378a160d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1159ed,bf57973e378a160d,start
X-Google-Attributes: gid1159ed,public
X-Google-ArrivalTime: 1990-06-21 20:02:00 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!uflorida!stat!sun13!sun8.scri.fsu.edu!nall
From: nall@sun8.scri.fsu.edu (John Nall)
Newsgroups: rec.scuba,rec.ham-radio
Subject: Diver/Boat Communications
Message-ID: <127@sun13.scri.fsu.edu>
Date: 21 Jun 90 15:44:05 GMT
Sender: news@sun13.scri.fsu.edu
Reply-To: nall@sun8.scri.fsu.edu (John Nall)
Followup-To: rec.scuba
Organization: Supercomputer Computations Research Institute
Lines: 19
Xref: gmdzi rec.scuba:872 rec.ham-radio:12289
Posted: Thu Jun 21 16:44:05 1990
```

On pretty much a $0 budget, I need to come up with a method of having a diver communicate with a (slowly) moving boat from depths ranging from about 20 to 70 feet.

In brainstorming, someone mentioned the possibility of having a very low-powered transceiver, sealed for underwater use, and using the same frequency as our video depth-finder (200 KC). This should give an on-off capability, which obviously can be used for Morse.

Anyone ever heard of such? Are we all wet? (No pun intended). Any better ideas?

All suggestions, comments, etc., gladly received. Please e-mail, as I have doubts this would be of general interest.

--
John W. Nall | Supercomputation Computations Research Institute
nall@nu.cs.fsu.edu | Florida State University
#include <clever.h> | Tallahassee, FL 32306

From 1660817563127701282
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bce5b7fb64356de
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-21 21:23:29 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!apple!sun-barr!newstop!texsun!texbell!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: Making ham radio known
Message-ID: <164@bongo.UUCP>
Date: 22 Jun 90 04:23:29 GMT
References: <9006172224.AA03527@ucsd.edu> <7880159@hpfcdc.HP.COM>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 93
Posted: Fri Jun 22 05:23:29 1990

I am going to try not to waffle on this. It is an emotional subject. It even touches on Morris See-Dubblya.

We are faced with two items that trouble me: Ham radio is becoming an old man's game. Science is not catching the imagination of today's youth. This is not limited to the U.S., depending on whose survey you read, either the Limey's or the Yanks are getting stupider in the sciences. The only consensus seems to be that the Japanese are doing well in teaching their kids science.

I think that ham radio is applied science. Even to make a CW contact, you need to know some physics - less and less with plug 'n' play gear alas - and talking to the DX station teaches you some Geography. Hey, if you get to chat about the weather, you may learn some meteorology. Let's face it ham radio is more educational than bowling on Wednesday nights.

If we get anyone, even youth, interested in amateur radio, we are doing a small bit for the knowledge base of the world. If you learn about the piezo-electric effect, you are less likely to think that having the right crystal will give you more vivid dreams or clear up the dog's halitosis.

This forum is probably read by some of the best minds in the amateur ranks. These minds could help spread the word about amateur radio. What we should tell people is how great minds and great men enjoy amateur radio. Telling people that some overweight old farts in the local park in the last weekend in June is "Amateur Radio" is not going to fire any imaginations. Let's show them the wonder, the gee wiz stuff. We need to push the science and experimentation. Today you can work 100 countries in an afternoon with the AT&T endorsement - Your itemised phone bill is confirmation. So people are no longer amazed that you can tell someone in Africa that they are "Fahvnahncuessell?"

Tell 'em that you know how the stuff works, show 'em a globe, explain satellites, show them your computer receiving email from around the world via radio. Show them the wonder.

No doubt about it, amateur radio is one of the best applied science lessons you can give.

Now my beef is that the ARRL is not pushing the science angle to the public. The constituency of the ARRL is HF Contesting. Don't believe me? Read QST. Then see who the elected officers are, certainly in my neck of the woods, they are all DXCC (No AT&T endorsement) types. Remember what happened to the Microwave column in QST? What happened to QEX? Then Ham Radio Mag just died. CQ Mag the home of "How I worked the contest from the Djibouti Hilton" type articles is doing fine. When the contesters finally die what are we going to do?

So we have a situation where maybe if we pushed science on the public - like teaching it in schools - we could have more radio amateurs. Then if we had more amateurs, maybe there would be more interest in Science. I have been told that in US schools Geography is no longer a subject. Fancy going for DXCC and not knowing where the countries really are.

I have taught amateur radio courses and I was floored at the ignorance of my students. I had everything from housewives to a high school math teacher, an insurance salesman and even a stocks fraudster who could h do things with money that only Ivan Boesky would appreciate. My best student was a Vietnamese woman who is now an extra. She understood the wonder.

Today I called the ARRL to see if they had any Public Service Announcement (PSA) Videos. A PSA is really a free ad that stations run as filler, they sometimes make it on the air early Sunday morning. I was told they had one with Ronnie Milsap. I will have it in a week or two and see what it is like. How about a video of a group of guys at consoles at JPL or somewhere saying that they started life wondering about ham radio and now they steer spacecraft across the heavens. How about an airline pilot on a flight deck saying that he learned about foreign countries, weather and radio communications as a ham and the wonder of it all made him want to do it for a living so now he's a pilot. We must all know people who have prestigious careers because they became interested in amateur radio. Can't that too often about bowling.

I know this is long and rambling, but it is much shorter than the original. Thanks for bearing with me, I feel much better now.

Let's interest people in the science of it all. If you just like to yak, you can bowl. If you like to be rude and obnoxious, rather than contesting, you could sell encyclopedias door to door. If we get people interested in the wonder of it all, maybe the general standards will improve. They could use it.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From 2854755568821513405
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bfe0d7a4b47d01dd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-21 21:40:11 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cornell!uw-beaver!ubc-cs!alberta!dvinci!news
From: hardie@herald.usask.ca (Peter Hardie)
Newsgroups: rec.ham-radio
Subject: QRP ARCI membership
Message-ID: <1990Jun21.173429.13746@dvinci.usask.ca>
Date: 21 Jun 90 17:34:29 GMT
Sender: news@dvinci.usask.ca
Organization: University of Saskatchewan, Saskatoon, Canada
Lines: 7
Posted: Thu Jun 21 18:34:29 1990

Membership in QRP ARCI costs $12 U.S. for a first time member.
Write to Mike Kilgore KG5F
2046 Ash Hill Rd.,
Corrollton, TX 75007

73 de Pete VE5VA (ARCI 6032, GQRP 3481)

From 5743600128070715126
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,567b259a7c52e0c3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-21 21:40:31 PST
Path: gmdzi!unido!mcsun!uunet!samsung!rex!rouge!pc!jpd
From: jpd@pc.usl.edu (Dugal James P.)
Newsgroups: rec.ham-radio
Subject: Uniden hr2510/2600 conversion idea
Message-ID: <10410@rouge.usl.edu>
Date: 21 Jun 90 18:32:02 GMT
Sender: anon@rouge.usl.edu
Organization: Univ. of Southwestern La., Lafayette
Lines: 17
Posted: Thu Jun 21 19:32:02 1990

A local ham asked that I put this idea out for comment:

With the waning of the sunspot cycle the Uniden 2510 and 2600 radios
will probably drop in price; could they be converted to operate on lower
frequence bands, yielding an affordable multimode radio? 15m & 18m?
12m & 15m?

I believe the hr2510 (pre-epoxy) can cover a 4 MHz bandwidth, so maybe
15 & 18 meter coverage is not preposterous!

73 de
james n5knx & Tom n5off
--

```
-- James Dugal,    N5KNX          Internet: jpd@usl.edu
Associate Director     Ham packet: n5knx@w5ddl
Computing Center       US Mail: PO Box 42770  Lafayette, LA  70504
University of Southwestern LA.   Tel. 318-231-6417  U.S.A.
```

From 5849954906442905908
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4119135f65f249ed,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,4119135f65f249ed,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 105d97,4119135f65f249ed,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-06-21 23:15:34 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!usc!
cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio,rec.radio.shortwave,sci.electronics
Subject: Omega Navigation Receivers?
Keywords: Omega
Message-ID: <3417@radio.oakhill.UUCP>
Date: 21 Jun 90 20:52:19 GMT
Organization: Motorola Inc. Austin, Tx

Lines: 10
Xref: gmdzi rec.ham-radio:12292 rec.radio.shortwave:1483 sci.electronics:7156
Posted: Thu Jun 21 21:52:19 1990

I would like to try recieving Omega navigation signals on 10-15KHz
(Not sure of specific frequency). Has anyone out there built a
TRF receiver for this band? I understand the Omega signals are
pretty strong. What kind of passband filtering and gain stages
would one use...seems like 5534 op-amps should work for the gain
stages. Perhaps LC bandpass for the TRF section?

Thanks in advance,

-Charlie Thompson

From -3354094476310416083
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3a44f2887631a6b5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-21 23:43:01 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!xanadu!jeff
From: jeff@xanadu.com (Jeff Crilly (N6ZFX))
Newsgroups: rec.ham-radio
Subject: Re: Undocumented features in handhelds? WAS: ICOM IC24/AT...
Message-ID: <1990Jun21.215200.28505@xanadu.com>
Date: 21 Jun 90 21:52:00 GMT
References: <1335@necis.UUCP> <932@cameron.egr.duke.edu> <1341@necis.UUCP>
Organization: AMIX Corporation, Palo Alto, CA
Lines: 59
Posted: Thu Jun 21 22:52:00 1990

In article <1341@necis.UUCP> rbono@necis.UUCP (NM1D) writes:
>In article <932@cameron.egr.duke.edu>, jsm1@dukee.egr.duke.edu (J Scott
McCalmont) writes:
>> From article <1335@necis.UUCP>, by rbono@necis.UUCP (NM1D):
>> >
>> > Here is some of the "interesting" information. The so-called "modification"
>> > to enable the wide range RECEIVE ONLY frequency converage did NOT require
>> > any hardware changes to the unit.... (a FEW early units did require a diode
>> > to be removed)... simply hold down a few buttons when turning on the unit and
>> > keep them held until the unit is done with it's self test (Light-B-#).
>> >
>>
>> Well, to be adventuresome, I tried the "light-B-#" on my IC-2SAT.
>> I didn't get wide-range receive coverage, but I did get ALL the
>> LCD segments to turn on right after I powered the rig up.
>> None of the other key combinations that NM1D noted seemed to have
>> any effect.

[stuff deleted...]

>If you release the keys before the display has settled down, you won't

>enable the wide-range receive.

[....]

>
>Also, keep in mind.... this was done on the IC24A... The dual band 144/440MHz
>handheld.... I have not tried this on a IC2SA/T, IC3SA/T, or IC4SA/T.
>
[....]
>--
> /***\
> * Rich Bono (NM1D)   If I could only 'C' forever!!   rbono@necis.nec.com *
> * (508) 635-6300   NEC Technologies Inc.   NM1D@WB1DSW *
> ***/

I recently received my IC-2SAT and tried the LIGHT+B+#+<ON> trick. The dial now goes from 0 to something like 1309.9750. However, below 76.1 and above 355.30 the display shows a "U" where the memory channel is displayed. I assume this means some kind of error, and that the radio will only really receive between 76.1 and 355.30. Is this correct? Before I bought the set I looked at the spec sheet from ICOM. It claimed only 140 to 150 mhz recieve. However, when I went shopping the sales guy said "Yeah, the specs are usually bogus....here look for yourself...". From the factory, the 2SAT will receive 134 to 174 mhz. Also, it appeared that there was no way to quickly change the 100 and 10 mhz digit; e.g. to get from 140 to 150 mhz you had to dial in "9990" (which gives you 149.990 mhz), the turn the vfo dial to get 150 mhz. With the LIGHT+B+#+<on> you can access the 100's and 10's digit. I don't know if this "mod" is such a good idea: I like to do band scan and now the band is huge. I suppose there is a way to program skip freqs though.

--

Jeff Crilly (N6ZFX)
AMIX Corporation
2345 Yale St.

From -4896991587989218272
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9a63622e9f64a7be
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-22 01:52:44 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!watserv1!rnelson
From: rnelson@watserv1.waterloo.edu (Randy Nelson VE3WRN)
Newsgroups: rec.ham-radio
Subject: Re: ANS: Field day software bugs
Message-ID: <1990Jun22.030405.2473@watserv1.waterloo.edu>
Date: 22 Jun 90 03:04:05 GMT

References: <9006192127.AA20355@tecnet1.jcte.jcs.mil>
Organization: University of Waterloo
Lines: 18
Posted: Fri Jun 22 04:04:05 1990

In article <9006192127.AA20355@tecnet1.jcte.jcs.mil> mgb@tecnet1.jcte.jcs.mil writes:
>Let me know PLEASE if you get an answer! I have the same problem and
>have written him email on it. Also ftp'ed the file again just to make
>100% sure that it didn't get damaged in transit... unlikely but I wanted
>to make absolutely sure. Same thing.
>
There is a new copy of sort-fd.exe on ucsd.edu. The file within fielday.zip
is broken. I have mailed both of you a uuencoded version of this program.
It should resolve the problem. Anyone else wanting the fix may ftp it
from ucsd.edu in /hamradio/sort-fd.zip.
Sorry for any problems this has caused.
73 de Randy

```
--
Randy Nelson VE3WRN  Ontario Representative      rnelson@watserv1.uwaterloo.edu
197A Cedarvale Cr.   Disability Information    ..uunet!watmath!watserv1!rnelson
WATERLOO, ON         Services of Canada.         rnelson@uncaedu.bitnet
N2L 4T3          (519)884-2989 (Voice and TDD)   VE3WRN @ VE3EUK.ON.CAN.NA
```

From 5957221438672938878
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,34c192f8a0fb0fa2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-22 08:35:34 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!hplsla!charlier
From: charlier@hplsla.HP.COM (Charlie Panek)
Newsgroups: rec.ham-radio
Subject: Re: Dubious quality of CQ review of AEA IsoLoop
Message-ID: <5720071@hplsla.HP.COM>
Date: 22 Jun 90 15:35:34 GMT
References: <1990Jun19.220825.2911@midway.uchicago.edu>
Organization: HP Lake Stevens, WA
Lines: 20
Posted: Fri Jun 22 16:35:34 1990

>/ hplsla:rec.ham-radio / winter@Apple.COM (Patty Winter) / 7:08 pm Jun 20, 1990 /
>
>BTW, didn't Worldradio say once that "Kurt" is a woman?
>
>Patty

No, you're thinking of "Lil Paddle", the other person who
occasionally pens the Antenna column in WRN. I'm not exactly sure
what the relationship is, if any, between the the two. They both

claim to be uh, "Old Timers", though... As you can tell, that
column is about the only one I usually read, more for its entertainment
value than anything else.

BTW, Getting back to CQ. I was pleasantly surprised to read 2 antenna
articles in the same July issue (first one for me) by Les McCoy, K1ICP,
who has been missing from QST's pages for quite some time. It's interesting
to note that he brings up the very same point about low efficiency of
small antennas.

Charlie, KX7L

From -8605980035213083539
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,479c8bedc2ec8a55
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-22 09:10:46 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!
elroy.jpl.nasa.gov!lll-winken!sun-barr!newstop!sun!tenorman.Eng.Sun.COM!jneher
From: jneher@tenorman.Eng.Sun.COM (Jonathan Neher X62863)
Newsgroups: rec.ham-radio
Subject: Re: IRCs
Keywords: cashing them
Message-ID: <137583@sun.Eng.Sun.COM>
Date: 21 Jun 90 18:14:52 GMT
References: <31439@ut-emx.UUCP> <161@bongo.UUCP>
Sender: news@sun.Eng.Sun.COM
Reply-To: jneher@sun.UUCP (Jonathan Neher X62863)
Organization: Sun Microsystems, Mountain View
Lines: 15
Posted: Thu Jun 21 19:14:52 1990

Hi,

I have gathered from reading this newsgroup that IRC's are
used to mail QSL cards internationally. I still don't know
exactly what they are and how they should be used when QSL'ing.
Where can you get them? Which countries should you use them
for? Do you always send one along with your QSL card if you
expect the receive a reply from a station outside the U.S.
So far I have only QSL'd and received QSL's from
foreign stations using regular postage stamps.

Thanks in advance for the answers to these questions,

Jon Neher
N6XUI

From -9104920109970257304
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e784e44bf9149a2d,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-22 12:08:28 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!lanl!rdw2030@venus.tamu.edu
From: rdw2030@venus.tamu.edu
Newsgroups: rec.ham-radio
Subject: 20M garbage, etc.
Message-ID: <54907@lanl.gov>
Date: 22 Jun 90 09:15:39 GMT
Sender: news@lanl.gov
Reply-To: rdw2030@venus.tamu.edu
Organization: TAMU
Lines: 14
Posted: Fri Jun 22 10:15:39 1990

I guess noone heard my request for Amateur Auxiliary info...

hint hint

Seriously... is anyone on here in it? Do you think the Aux. is a tool that may assist us in our woes? WARC 92 is coming, you know! If we start now, maybe we can improve the situation and not lose as much as we probably are going to if things keep going like they are now. After all... we ARE supposed to be self-policing! So far, all I've heard of self-policing was "police men" creating more QRM telling wrong-doers that they are doing wrong! That does noone any good, and it seldom works. We need to crack down!! Does anyone even care?

Mark C. Lowe - KB5III

From 5039145802813235080
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,89c84da0b91c19a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-22 12:19:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!unmvax!bbx!yenta!dt
From: dt@yenta.alb.nm.us (David B. Thomas)
Newsgroups: rec.ham-radio
Subject: Re: 20 meter mess
Message-ID: <1413@yenta.alb.nm.us>
Date: 22 Jun 90 07:33:13 GMT
References: <329@e2big.enet.dec.com> <1250177@hpnmdla.HP.COM>
Reply-To: yenta!dt@bbx.basis.com
Organization: yenta unix pc, Rio Rancho, NM
Lines: 21
Posted: Fri Jun 22 08:33:13 1990

alanb@hpnmdla.HP.COM (Alan Bloom) writes:

>I have an idea. Eliminate voice as a legal mode in Amateur radio.

>Al N1AL

(inserting tongue into cheek)
-.-- . .- ....   - .... .- -   .-- .. .-.. .-..   -.. ---   .-   .-.. --- -

--- ..-.   ..-. ..--.. ..--.. -.- .. -. --.   --. --- --- -.. .-.-.-
(extracting tongue)

actually, I'll agree that CW operators tend to be more civil, and it's about
the only mode I enjoy lately. However, communication is communication.
There is hostility on telephones, cb, the usenet, and all modes of amateur
radio. 20 meters probably just seems worse because it is such a hot band.
Everyone in the world can hear everyone else much of the time. That's a
lot of people trying to get along.

David (yenta!dt@bbx.basis.com)

From 8647995529849038519
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,34c192f8a0fb0fa2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-22 13:44:58 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: Dubious quality of CQ (review of AEA IsoLoop)
Summary: Me Too!
Message-ID: <61@thoreau.nsc.com>
Date: 22 Jun 90 13:30:13 GMT
References: <1990Jun19.220825.2911@midway.uchicago.edu> <1344@necis.UUCP>
Organization: National Semiconductor, S. Portland, Maine
Lines: 21
Posted: Fri Jun 22 14:30:13 1990

Yes, I will miss my "Ham Radio Magazine" and the outlet for part 3 of PATHFINDER.
Given the realities of publishing we may need a little more time to see the fruits
of the merger(?), Terry and Craig always quoted a minimum 4 month lead time which
could be violated only on national emergency or the like. It seems that the July
issue was pretty well buttoned up then the deal went down. Let's give them a
couple more months to demonstrate wheither the presence of Terry, Craig and the
others from HRM are going to make any difference. Another thing we could try
doing is stop talking about technical content of "CQ" and flood them with the kind
of manuscripts we would like to see. No, the day of the W2PV and K2BT type
text book is probably gone but there are other outlets for this kind of work.

Is there any one out there who would like to suggest to Craig that he push for
a quarterly technical publication under the present banner but of the quality that
we have come to expect from "Ham Radio Magazine"? They could offer it at a
discount
to "CQ" subscribers and sell it full price on the news stands and via the
bookstore.

If we are to recover our technical publications then we will have to work for them.

Ron Todd, K3FR

From -815251042909883443
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a2a2ae7c45f8daf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-22 14:01:03 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!watserv1!watcgl!electro!eric
From: eric@electro.com (Eric)
Newsgroups: rec.ham-radio
Subject: Re: 440 MHz filtering
Message-ID: <2012@electro.com>
Date: 22 Jun 90 11:45:27 GMT
References: <1990Jun15.175251.4080@hayes.fai.alaska.edu>
Reply-To: eric@electro.UUCP (Eric)
Organization: Electrohome Ltd., Kitchener, ON
Lines: 13
Posted: Fri Jun 22 12:45:27 1990

Interdigital filters can be built for this band and so can resonate
coils in a shielded containor (in 1988 Ham?/Antenna? Book). The
easiest is to use a set of tuned stubs or a version of the hairpin
filter. Look under microstrip or stripline filters for the lower
microwave bands. These can be cut and tuned with a knife/chissel
from regular copper clad epoxy.
  But what can I say. I have built quite a few for 1.2GHz but all
  have suffered from high 10-16db losses. If you get the notes
  from the microwave conferences from the past few years you can
  see what some people have played with (hair-pin) and get some
  references but losses will be in the 2db range.
                 Eric (VE3 WNR)

From -8159215117930382146
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,91088ea172fbcf12,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-22 14:47:55 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!hplabs!hpfcso!hplisa!hplvli!chris
From: chris@hplvli.HP.COM (Chris Kelly)
Newsgroups: rec.ham-radio
Subject: Re: Icom R7000 sensitivity?
Message-ID: <20200004@hplvli.HP.COM>
Date: 22 Jun 90 21:47:55 GMT
References: <200@nachos.SSESCO.com>

Organization: Loveland Inst. Div
Lines: 30
Posted: Fri Jun 22 22:47:55 1990

You indeed do have a problem with the R7000.
My R7000 met it's specs in all measured frequencies
up the limits of the HP-8640B signal generator.
Calibration of the S-meter was good (linearity and
accuracy) within my ability to read the meter.
SINAD sensitivity measurements were also fine,
per the ICOM spec, and good by comparison to any
"normal" ham receiver. I will try to remember to
post a copy of my measurements. It sounds like you have
a front end problem of major proportions, which
usually means it will be simple to find. Anything which
will cause 50 dB loss in sensitivity will be a broken
wire or relay, or a transistor really evaporated by ESD,
lightning, etc. Buy a service manual for the unit, it
has complex IF switching design, which changes with
receive frequency selection.

Then look for something obvious, like a module connector
having fallen out of it's socket, etc.
Just to be safe, see what you can measure in the way of
low-level sensitivity, ie NOT S-meter readings, but
what signal strength just starts to quiet the FM receiver
noise. Bad S-meter readings may indicate S meter AMP
problems, but bad low-level sensitivity means broken
RF or IF modules.

Take heart, a problem as large as this is usually simple
to fix.
73, de WD5IBS...chris

From -1501499131980844120
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e784e44bf9149a2d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-22 15:15:08 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!sdd.hp.com!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!e2big!anarky.enet.dec.com!brewer
From: brewer@anarky.enet.dec.com (John Brewer)
Newsgroups: rec.ham-radio
Subject: Re: 20M garbage, etc.
Message-ID: <334@e2big.enet.dec.com>
Date: 22 Jun 90 15:17:24 GMT
Sender: usenet@e2big.enet.dec.com
Organization: Digital Equipment Corporation
Lines: 27
Posted: Fri Jun 22 16:17:24 1990

>
>
>Seriously... is anyone on here in it? Do you think the Aux. is a tool that
>may assist us in our woes? WARC 92 is coming, you know! If we start now,
>maybe we can improve the situation and not lose as much as we probably are
>going to if things keep going like they are now. After all... we ARE
>supposed to be self-policing! So far, all I've heard of self-policing was
>"police men" creating more QRM telling wrong-doers that they are doing wrong!
>That does noone any good, and it seldom works. We need to crack down!! Does
>anyone even care?
>
>Mark C. Lowe - KB5III

  * Mark, I'm not sure that it is a question of caring, Im just not
    sure what to *do* in this situation! Obviously since call signs
       are given, the individuals could care less about peer pressure
       and the "good image and fraternity" of Amateur Radio.

    What can be done?!?!?

    73
    /john wb5oau

```
+-----------------------------------------------------------------+
|John Brewer    WB5OAU           |      Brewer@ace.enet.dec.com  |
|Digital Equipment Corporation   |   Brewer@cup.portal.com    |
|Albuquerque NM                  |      WB5OAU@KN5D              |
+-----------------------------------------------------------------+
```

From -4372348125932734921
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95580c46a828efa5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-22 15:21:44 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!rutgers!rochester!rit!cci632!
cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: Amateur Auxiliary
Keywords: QRM, Illegal
Message-ID: <38242@cci632.UUCP>
Date: 22 Jun 90 13:05:49 GMT
References: <54551@lanl.gov>
Reply-To: cep@ccird7.UUCP (Christopher Piggott - co-op)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 11
Posted: Fri Jun 22 14:05:49 1990

In article <54551@lanl.gov> rdw2030@venus.tamu.edu writes:
>I'm not one to advocate "tattling" on a fellow ham, but if he is deliberately
>abusing the privilege, than screw it! Let the FCC know and hope that $1000
>fine does the trick!

Notice that in June's QST, there are lots of good stories about bad apples "got theirs", including two hams causing malicious QRM, and a few illegal CB salespeople. I got a lot of satisfaction out of reading this stuff :-)

Chris

From -2488417690523181053
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2d9346c9a2e62e96,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-22 18:46:45 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!CCF1.NRL.NAVY.MIL!lambert
From: lambert@CCF1.NRL.NAVY.MIL ("ROBERT J. LAMBERT")
Newsgroups: rec.ham-radio
Subject: CB "Traffic Advisoy Channel"
Message-ID: <9006221814.AA27497@ucsd.edu>
Date: 22 Jun 90 18:01:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4
Posted: Fri Jun 22 19:01:00 1990

Almost everyone has a broadcast band receiver in the car. Why not use one of those broadcast band advisories like they use around amusement parks and tourist attractions? The CHP could be advised via CB channel 9, and then broadcast the information to the rest of the citizens.

From -6112333825182303059
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e9ea3759e6c653c0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-18 12:52:38 PST
Path: gmdzi!unido!mcsun!uunet!nems!ark1!uakari.primate.wisc.edu!samsung!usc!randvax!ucla-an!stb!driver8
From: driver8@stb.info.com (Hugh Whats-his-name)
Newsgroups: rec.ham-radio
Subject: Re: The bands are dead!
Summary: Cycle 22's a big one.
Keywords: Sun Blew Up Again...
Message-ID: <1990Jun18.195238.8246@stb.info.com>
Date: 18 Jun 90 19:52:38 GMT
References: <1990Jun13.015147.4993@lopez.UUCP>
Sender: driver8@stb.info.com (Hugh Stegman)
Organization: The Serial Tree BBS, +1 213 397 3137
Lines: 31
Posted: Mon Jun 18 20:52:38 1990

In article <1990Jun13.015147.4993@lopez.UUCP> flash@lopez.UUCP (Gary Bourgois)

writes:
>
>Is it just ME, or is this the WORST solar peak you can remember. I mean
>dismal dismal dismal. Sunspots are supposed to being exciting stuff to
>the HF bands, but what the sunspot giveth, the solar flare taketh away.
>
>Previous solar cycles brought me some great SWL reception, and wonderful
>memorable ham contacts with coathanger antennas all over the world.
>

Yeah, you have to go back to '58 to find a year like '89. There have been
a lot more of the really big flares (the ones that register so high that
they saturate the x-ray detectors on the satellites and the strength has to
be estimated...) this time around than in the past couple of cycles.

But there has been REAL good DX on 10 meters. Novices are making DXCC all
over the place. Stations in Germany have been taking standbys for mobiles
in rare U.S. counties and people have been coming back with 10 watts and a
trunk-mounted whip. And 50 MHz has become a real DX band, at least in the
fall and spring. I worked some rare stuff on 10 from a location I have
decided is a total RF sink (a dummy load without coax) until the pileups
got too intense.

Except for the spring of '89, which I rate a total washout here, it's been
fun hereabouts.

```
--
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
 Hugh Stegman NV6H                                         driver8@stb.info.com
 RCMA Below 30 MHz                                            denwa!stb!driver8
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
```

From 2629150781285083845
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b5b90037feaae26
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-18 13:17:53 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!
mailrus!tut.cis.ohio-state.edu!ucbvax!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: My own funky call
Message-ID: <7880155@hpfcdc.HP.COM>
Date: 18 Jun 90 20:17:53 GMT
References: <564@entec.Wichita.NCR.COM>
Organization: HP Ft. Collins, Co.
Lines: 5
Posted: Mon Jun 18 21:17:53 1990

> Has the upcoming call N0PAY been overlooked?

It's a ways off. Sometime in the last week or two, some lucky ham got

N0MAD. I'd love to have that, but alas, I don't expect my new call for
about four weeks, probably something icky like N0CVE...

From 3866565437184163804
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e3c0df7e29b00adf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-18 13:27:28 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!bionet!ames!amdahl!pyramid!
tekbspa!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!TOPS20.RADC.AF.MIL!POPYACK
From: POPYACK@TOPS20.RADC.AF.MIL
Newsgroups: rec.ham-radio
Subject: Field day software bugs
Message-ID: <12588864092.8.POPYACK@TOPS20.RADC.AF.MIL>
Date: 18 Jun 90 20:27:28 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11
Posted: Mon Jun 18 21:27:28 1990

I have tried the field day program (FIELDAY.ZIP) by Paul Cassel, VE3SY.
It works well until I run the program to print the results. It hangs up
all the machines I have tried it on. I would love to use this program for
field day, but it is useless if it cannot print the results!

Paul, if you are out there, send me a response to

POPYACK@TOPS20.RADC.AF.MIL

I have been unable to get mail to ynu. 73 Len WF2V

From -4703574286692447535
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7224bb414d71408d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-18 16:03:52 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!
watserv1!watmath!att!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Ham calls seen in horrible movie
Keywords: Ham calls, movie, Larry Hagman, Ugh
Message-ID: <1014@tsdiag.ccur.com>
Date: 18 Jun 90 23:03:52 GMT
Organization: CONCURRENT,ENG. SERVICES,OCEANPORT NJ
Lines: 42
Posted: Tue Jun 19 00:03:52 1990

On the late, late, way-late movie the other night on NY channel 7 there was shown a movie starring Larry Hagman as a chivalrous helicopter pilot in Mexico. Early on in the film he was complaining to his partner that he could only talk to him via CB or Ham Radio. Interested by the mention of Ham Radio, I watched on (it was a _bad_ movie, but hey, I like _bad_ movies!). Sure enough, he started calling his buddy with real live Mexican calls (XE12L this is XE2YGH...the YGH stood for Yankee Go Home, which was his partnership's name as well, YGH aviation.) As the camera panned thru his shack, I noticed several QSL cards tacked to the shelf. I could make out for sure WD9ARK, and K5VNJ, and the others looked like WB8VCM and WD6NJY. Anyone know these Hams in person? The calls come back to:

Call-Sign: WB8VCM   Class: ADVANCED
Real Name: BRUCE M SPACER   Birthday: OCT 2, 1958
Mailing Address: 5829 TREE MOSS LN, NORTH RIDGEVILLE, OH 44039
Station Address: SAME AS MAILING ADDRESS
Valid From: MAR 10, 1987   To: MAR 10, 1997
Records Last Processed: MAR 10, 1987

Call-Sign: K5VNJ   Class: EXTRA
Previously: SAME CALL   Class: ADVANCED
Real Name: ALAN L BONNER   Birthday: JAN 5, 1947
Mailing Address: 5754 LONGVIEW ST, PAPILLION, NE 68133
Station Address: SAME AS MAILING ADDRESS
Valid From: MAR 15, 1988   To: MAR 15, 1998
Records Last Processed: MAR 15, 1988

Call-Sign: WD9ARK   Class: ADVANCED
Real Name: DALE A CARLSON   Birthday: APR 13, 1946
Mailing Address: 1411 EUNICE AVE, JOLIET, IL 60433
Station Address: SAME AS MAILING ADDRESS
Valid From: APR 7, 1987   To: APR 7, 1997
Records Last Processed: APR 7, 1987

If you know these Hams, tell 'em they're celebrities since their cards are stars in a movie!

--
David E. Tiller   davet@tsdiag.ccur.com | Concurrent Computer Corp.
FAX: 201-870-5952   Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet | Oceanport NJ, 07757
ICBM: 40 16' 52" N   73 59' 00" W | N2KAU @ NN2Z

From 3744036935155759852
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,54a329550854dfdc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-18 16:19:17 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!usc!apple!rutgers!news-server.csri.toronto.edu!utgpu!watserv1!watmath!att!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Strange interference
Keywords: growler, buzz, humm, strange, sneaky

Message-ID: <1015@tsdiag.ccur.com>
Date: 18 Jun 90 23:19:17 GMT
Organization: CONCURRENT,ENG. SERVICES,OCEANPORT NJ
Lines: 32
Posted: Tue Jun 19 00:19:17 1990

As an avid fan of 10m, I seem to be besieged by a most annoying bit of RF interference. It occurs in my apartment, but only in certain chunks of the band. It sounds kind of growly, and appears at approximately 210KHz intervals and lasts for about 140KHz. If it helps, here are the places I measured the noise one day:

28.040 - 28.195
28.250 - 28.390
28.460 - 28.600
28.675 - 28.810
28.885 - 29.020
29.095 - 29.230

This racket is very loud, most of the time S7 or so on my meter. The higher frequency edge is very well defined, accompanied by an increase in noise strength just before it drops to nil over the range of only a couple of KHz. Here's the kicker: If I apply RF to the antenna within the noise bands, even a few watts, the noise goes away for ~5-10 seconds, then slowly returns. I know it's not the AGC of the receiver - it's a TEN-TEC 580D and is capable of semi-QSK. (Read _reel_ fast recovery). Could it be a static buildup on the antenna that is shunted to ground by my finals when I transmit? Could it be a piece of hardware on a nearby phone pole oscillating? Could it be ... Satan? If any OM out there has had experience dealing with strange interference, I'd certainly be in your debt if you'd shed a little light on this strange beasty, so that I can enjoy what's left on this sunspot cycle in peace! Thank you in advance from the twisted mind of:

```
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

From 1516067972795594957
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bce5b7fb64356de
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-18 16:28:35 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!mips!prls!pyramid!decwrl!elroy.jpl.nasa.gov!usc!snorkelwacker!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: Making ham radio known
Summary: spkrs buro, slide show, articles in non-ham mags
Message-ID: <42091@apple.Apple.CNM>
Date: 18 Jun 90 23:28:35 GMT

References: <9006172224.AA03527@ucsd.edu>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 50
Posted: Tue Jun 19 00:28:35 1990

In article <9006172224.AA03527@ucsd.edu> RDW2030@TAMVENUS.BITNET writes:
>The question is... what good ideas can you guys come up with to really get
>people to know about ham radio and what it does for them as well as what a
>great hobby it could be for many.

Here are a couple of ideas I've implemented.

A few years ago our ARRL Section Manager here in the Santa Clara Valley section started a speakers bureau. We found hams who were outgoing and could speak enthusiastically and *with a minimum of technical jargon* to service clubs (such as the Lions and Rotary) and other organizations. (Don't forget your county and city supervisors.)

To support this effort, I came up with a slide show and script illustrating the variety of ham activites in the area. I purposely only used photos of hams in this section, so that it would be more personal instead of just "hams somewhere are doing this." I did, however, show them hamming in other locations, such as for DXpeditions and emergency communications. I'd be happy to send the ASCII file of the script to anyone who wanted to use it as a template.

When the SM became Division Director, he asked me to write up guidelines for the speakers bureau, and he distributed them to other SMs and PIOs (public information officers, now public information coordinators) in the division. I don't think any of them ever implemented a speakers bureau, and his successor as SM didn't keep ours going. As far as I know, the slide shows are currently sitting on shelves somewhere. With only minor modifications (we can replace the Coalinga earthquake pictures with our own :-)), it would still be a fine show. Perhaps our incoming SM (I know you're out there, Steve!) can resuscitate these ideas.

More recently, in my capacity as an Assistant Director for the Pacific Division, I wrote up guidelines for hams who wished to write articles about amateur radio for *non-ham* publications. There are lots of hobby and professional magazines out there that would be great for ham stories, gang!! Rod publicized the guidelines in his newsletter, and I got about a dozen requests for them. Excerpts also appeared in "Field Forum", a newsletter from HQ for ARRL field appointees. I don't know whether anyone has actually produced any articles based on my suggestions.

That should give everyone a few ideas to chew on!

Patty

-,
****
Patty Winter N6BIS   INTERNET: winter@apple.com

AMPR.ORG: [44.4.0.44]   UUCP: {decwrl,nsc,sun}!apple!winter
****

From -7799574097827397985
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c587bcbe825e278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-18 17:49:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!lavaca.uh.edu!
uhnix1!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: US calls starting with N (was Re: USA ham call words -corrected)
Message-ID: <7HY-HGA@splut.conmicro.com>
Date: 19 Jun 90 00:49:32 GMT
References: <andreap.645128686@s.ms.uky.edu> <36324@shemp.CS.UCLA.EDU>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 22
Posted: Tue Jun 19 01:49:32 1990

In article <36324@shemp.CS.UCLA.EDU> wales@CS.UCLA.EDU (Rich Wales) writes:
>In article <andreap.645128686@s.ms.uky.edu> andreap@ms.uky.edu (Stephen
>McNatton) gave a list of US call letter assignments.

>This list didn't say anything about four-letter calls starting with N.
>Are these calls assigned to any service?

Four-letter calls as in:
1) N5KV? Those are ham calls, and, coincidentally, aircraft calls as well.
(US-registered aircraft are assigned calls that match their registration
number, and N#xx are legal airplane registrations.)
2) NAEF? I believe this block is assigned to ships of the US Navy.
3) N5KVXX? I don't believe four-letter suffixes are assigned anywhere.
4) NF5QX? Those are amateur calls, to be assigned when the KX5XX calls
are all gone.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jay@splut.conmicro.com   (eieio)| adequately be explained by stupidity.
"I don't usually do vicious;   +---------------------------------------
 I try to stick to depressing." -- Janis Ian, in concert, 6/6/90

From 8524100160795549421
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a63051b6e7b1f0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-18 17:56:21 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!ULKYVM.BITNET!
MEHARP01

```
From: MEHARP01@ULKYVM.BITNET (Michael Harpe)
Newsgroups: rec.ham-radio
Subject: Vote for info-hams-binaries
Message-ID: <9006181503.AA09129@ucsd.edu>
Date: 18 Jun 90 15:00:40 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: University of Louisville
Lines: 4
Posted: Mon Jun 18 16:00:40 1990
```

I think that would be a terrific idea!

de N4PLE

```
From -2446921970424476955
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75125d82cfe9d9f6
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,75125d82cfe9d9f6
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-06-18 18:29:08 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!littlei!rosie.hf.intel.com!rcollier
From: rcollier@rosie.hf.intel.com.ogc.edu
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Blue Angels info'
Keywords: scanners, frequencies
Message-ID: <1101@gandalf.littlei.UUCP>
Date: 18 Jun 90 13:43:48 GMT
Sender: news@littlei.UUCP
Reply-To: rcollier@rosie.hf.intel.com (Collier Chun)
Organization: Intel Corp., OEM Microcomputer Platforms Division, Hillsboro, Oregon
Lines: 30
Xref: gmdzi rec.radio.shortwave:1464 rec.ham-radio:12218
Posted: Mon Jun 18 14:43:48 1990
```

Well, the Blue Angels have finished their performance at the annual Rose Festival Airshow in Hillsboro, Oregon. Using the information provided in previous postings, I was able to capture a lot of interesting stuff on the scanner.

The preset frequencies in the planes included 251.6 MHz (preset 8) and 307.7 MHz (preset 16), both AM. The soloists were on 251.6 MHz while the four-ship formation was on 307.7 MHz. According to what I heard, 307.7 MHz applies to the west coast.

The team this year includes:

#1 Cmdr. Pat Moneymaker (flight leader = "Boss")
#2 Maj. Chase Moseley ("Ace")
#3 Lt. Cmdr. Dave Inman ("Moe")
#4 Lt. Cmdr. Doug McClain ("Mad Dog")

#5 Lt. Lee Grawn ("Bush") (?)
#6 Lt. Matt Seamon ("Spurt") (?)

Note that I'm not completely sure of the tactical callsigns, as they're used *VERY* briefly during transmissions. It got real interesting during the last practice sessions before the show when #6 lost an engine. Fortunately these are F-18's, not F-16's!

Oh yes, Team America was here too, using 123.475 MHz AM.

Collier Chun
NM7B
Intel Corporation
Hillsboro, Oregon

From -3966635146763285934
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ec323002bb65411,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-18 18:35:07 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL Letter 01-Jun-90
Message-ID: <1543@n8emr.UUCP>
Date: 19 Jun 90 01:35:07 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 333
Posted: Tue Jun 19 02:35:07 1990

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More bad news for the Shuttle

Space Shuttle flight STS-35 was postponed again just hours from launch on Tuesday, May 29. A reported hydrogen leak caused the launch to be scrubbed and no new launch date had been set at presstime. This flight is scheduled to carry astronaut Ron Parise, WA4SIR, and the robot packet "SAREX" (Shuttle Amateur Radio Experiment).

Techs Get Relief From Michigan "Scanner Law"

Technician class licensees now are included in an exemption to Michigan's "scanner law," thanks to the efforts of a number of state amateurs. Gov. James J. Blanchard on Wednesday, May 23, signed House Bill 4750, making the change official.

Although a law had been on Michigan's books for many years excluding "Conditional, General, Advanced, and Extra class" licensees, it apparently had never been prosecuted. The general feeling among hams was that they were excluded from laws pertaining to the monitoring of police radio frequencies, but in fact Technician class hams fell under the existing law.

Among the many hams who worked behind the scenes for passage of the bill were Don Spillman, WZ8O, an international representative for the United Auto Workers, and Dave Norris, N8HKV, a former police officer.

The signing ceremony was carried live via Amateur Radio, on 440 MHz to an in-car repeater parked outside the statehouse, then to a Lansing repeater and on to some 14 repeaters around the state.

Gov. Blanchard, upon seeing the bill before him, remarked, "When I was a young boy a friend's father had a ham station in his basement. I remember going there to 'tune in the world.'" Blanchard was carried live on the repeater hook-up.

Lobbying for an amendment to the law began in 1986, and in 1987 a bill identical to No. 4750 died in session.

On a related note, ARRL on May 16 filed additional comments with the FCC, citing its earlier petition and asking once again for federal exemption for Amateur Radio operations of all such restrictive local and state "scanner laws."

FIVE PARTICIPATE IN IARU SEMINAR

Another session of the US Telecommunications Training Institute concluded May 11, under the direction of IARU president Dick Baldwin, W1RU. Participants in the course in Amateur Radio administration, held in Newington, included communications officials from Jamaica (6Y5EE), St. Vincent, Thailand (HS1KPR), Hong Kong, and Aruba.

Baldwin was assisted by IARU Region 2 president Al Shaio, HK3DEU, and by members of the Headquarters staff. In addition to the bookwork, the students participated in a 10 GHz demonstration using Gunnplexers, set a new class record for constructing code practice oscillators in the lab, and got a taste of PacketCluster.

PacketCluster, under the guidance of ARRL Technical Manager Chuck Hutchinson, K8CH, settled the traditional question of which student had traveled the farthest to attend the seminar. Connecting with a local node of the Yankee Clipper Contest Club's network, the "Show Heading" (and distance) command revealed that Mr. Aran Promata, from Thailand, nosed out Chak-lum Ng of Hong Kong for the "DX award"!

FCC EASES 902 MHZ RESTRICTIONS

Amateurs in Colorado and Wyoming have gained some privileges in the 902-928 MHz range thanks to an initiative by the Colorado Council of Amateur Radio Clubs and ARRL.

FCC, while noting that "various governmental agencies" still have fixed services in the 902 MHz band, polled those agencies and found that amateur operations in certain portions of the band would not be detrimental. Thus, effective July 2, 1990, FCC has waived Section 2.106 Footnote US267 and Section 97.303(g)(1) of its Rules to permit amateurs in the restricted area to transmit in the following segments: 902.0-902.4, 902.6-904.3, 904.7-925.3, 925.7-927.3, and 927.7-928.0 MHz.

The order stipulates that amateurs "must not cause harmful interference to, and will receive no protection from, any interference due to the operation of industrial, scientific and medical devices (ISM), automatic vehicle monitoring systems or Government stations authorized to operate in this band."

Government users of 902-928 MHz will, according to the FCC Order, eventually move to new fixed service bands, at which time the Commission will "consider removing the area restriction on amateur stations entirely."

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"YOUNG HAM OF THE YEAR" NAMED

Mary F. Alestra, KB2IGG, 12, of Staten Island, NY, has been selected as the 1990 *Westlink Report* Young Ham of the Year, according to *Westlink*.

Mary, a seventh grade student at Rocco Laurie School, holds a Technician class license. She was selected from a field of candidates based on her work at IS-72 relating to the 10 meter "CQ All Schools Net" and dedication to recruiting new young hams through speeches, personal appearances, cable television appearances, and similar activities.

The award will be presented at the grand banquet of the ARRL National Convention in Kansas City, Mo., on June 9.

FORMER HAM ARRESTED

Richard A. Burton, formerly WB6JAC, was arrested May 17 for allegedly operating a radio transmitter without a license, following an investigation by Los Angeles area FCC engineers acting on complaints from amateurs. Burton was charged with three felony counts of violating sections 301 and 501 of the U.S. Code.

In the early 1980s Burton's license was revoked for various Part 97 violations. After his appeals were turned down he was ordered off the air but continued to operate using his rescinded WB6JAC call sign. On Jan. 15, 1984, U.S. District Court Judge Manuel Real sentenced Burton on four misdemeanor counts of operating a transmitter without a license. Following appeals Burton served seven months in jail and five years on probation.

On Monday, May 21, Burton pleaded not guilty on all counts, and was bound over for trial in early July. He could face up to six years in federal prison and substantial fines. (Thanks WA6ITF, N6AHU).

OTHER FCC ENFORCEMENT ACTIONS

- On April 26, the FCC seized four illegal CB linear amplifiers valued at over $1000 from R. H. Electronics of Magalia, Calif. The store is owned by Ray Hanson, W7KMM. The marketing, manufacture and use of illegal radio equipment violates Section 302(b) of the Communications Act of 1934, As amended, and carries potential criminal penalties. (FCC Public Notice, May 14, 1990.)

- Sue Swanson of Lago Vista, Texas has been fined $1000 for illegally operating on 27.970 MHz, a frequency allocated to the US Government for fixed and mobile operation. (FCC Public Notice, May 11, 1990.)

- On April 24, US Marshals, with assistance from the FCC's New York office, seized 27 pieces of radio equipment belonging to Dwayne Mayo of Jamaica, New York, after he did not respond to FCC directives to stop operating his CB equipment until television interference could be eliminated. The FCC's New York office told ARRL that "the seizure took place under Federal civil forfeiture provisions which were initiated by the US Attorney for the Eastern District of New York."

  The FCC received letters from 30 area residents who complained that Mayo's illegal CB transmissions caused interference to their televisions and telephones. After several FCC letters to Mayo went unheeded, the FCC fined him $1600 for unauthorized CB operation. (FCC News Release, May 11, 1990.)

CAJUNS SUPPORT WARC FUND

The Acadiana Amateur Radio Association, of Lafayette, Louisiana, has donated $250 to the ARRL "WARC Fund" for the defense of amateur frequencies. The funds were derived from a club hamfest.

"The membership of this association," said club president Carolyn Oubre, KA5IJU, "acknowledges the importance of WARC and understands that if amateur radio is to continue to develop and grow, both technically and numerically, our frequencies must be defended. We also acknowledge the outstanding accomplishments of the 1979 WARC ARRL team. To duplicate that effort will require the support of every Amateur Radio operator in the US, together with other societies of the IARU."

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BARBARA P. PRICE

Barbara P. Price, 55, died May 17 at Bulloch Memorial Hospital in Statesboro, Ga., after a long illness. She was the wife of Larry E. Price, President of the American Radio Relay League.

She was born in Waterbury, Conn., and lived in Statesboro the past 27 years. She was a member of Trinity Episcopal Church in Statesboro.

"Barbara was a frequent companion of President Price on his trips for ARRL and IARU," ARRL Executive Vice President Dave Sumner said, "and she supported him in the countless other ways that made it possible for Larry to devote so much of himself to Amateur Radio, while at the same time raising a fine family.

"We feel a great sense of personal loss," Sumner said.

Besides her husband, she leaves two daughters, Jane P. Brunner of Indianapolis and Carol P. Faircloth of Statesboro; a son, Steven R. Price of Savannah, Ga.; and two grandchildren.

The funeral and burial were May 19 in Statesboro.

Memorial contributions may be made to the Bulloch County Chapter of the American Cancer Society, PO Box 2027, Statesboro, GA 30458.

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AMATEUR CALL SIGN UPDATE

The following is a list of the FCC's most recently issued call signs as of May 1.

Group	"A"	"B"	"C"	"D"
DIST	Extra	Advan	Tech/Gen	Novice
0	AA0AZ	KF0KC	N0LVA	KB0GPB
1	WF1J	KC1UO	N1HOA	KA1VOO
2	WY2C	KE2TJ	N2KPW	KB2JYY
3	NZ3I	KD3SC	N3IAV	KA3WET
4	AB4VB	KN4ID	N4YWA	KC4QGP
5	AA5RQ	KI5FA	N5QJH	KB5MNR
6	AA6VL	KK6JU	N6YRK	KC6KPM
7	AA7EM	KG7DG	N7OQX	KB7KPA
8	AA8BA	KF8GC	N8MEX	KB8JTR
9	WR9N	KE9WJ	N9JOA	KB9EQI
Guam	KH2M	AH2CG	KH2EJ	WH2AMM
Hawaii	**	AH6KJ	NH6WL	WH6CHT
Alaska	**	AL7LZ	NL7TW	WL7BYC
USVI	NP2F	KP2BT	NP2DT	WP2AHB
PR	**	KP4QQ	WP4XS	WP4IYE

* All 2 X 1 call signs have been assigned in these districts.
* Note: N-prefixed Group C calls for the fourth and sixth districts have nearly been exhausted. After N4ZZZ and N6ZZZ have been assigned, the FCC will assign Technicians and Generals Group D (2 X 3) call signs.

ARRL INSURANCE PAYS OFF

At a sales meeting in early May, the Albert H. Wohlers & Co. insurers, carriers of the ARRL Ham Radio Equipment Insurance Program, released figures for claims paid relating to Hurricane Hugo and to the northern California earthquake, both of which took place in the autumn of 1989.

Holders of the League's plan were paid $48,104 for Hugo claims and $14,815 for earthquake damage. 13 Hugo claims were made, primarily from Puerto Rico and the US Virgin Islands; three earthquake claims were paid.

SECTION MANAGER ELECTION RESULTS

In elections just concluded, the following ARRL section managers were elected:

Alaska: Harley Steward, KL7IZZ;
Indiana: Peggy Coulter, W9JUJ;
Maine: Jeff Weinstein, K1JW;
Oregon: Randy Stimson, KZ7T;
Vermont: Mitch Stern, WB2JSJ;

Four races were uncontested and the following were declared elected:

Delaware: Bob Pegritz, KC3TI
llinois: Sharon Harlan, WB9SFT
Santa Clara Valley: Steve Wilson, KA6S
Wisconsin: Richard Regent, K9GDF

For details see "Happenings" in July *QST*.

SECTION MANAGER ELECTION NOTICE

July *QST* solicits nominations for section manager in the following ARRL sections: Eastern Massachusetts, Missouri, Nebraska, New York City-Long Island, South Carolina, Southern New Jersey and Western Pennsylvania sections. Incumbents are listed in every issue of *QST*, on page 8.

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ISRAEL SHORTENS "BANNED LIST"

On March 25, 1990, the Israel Ministry of Communications rescinded its prohibition on contacting neighboring countries with whom peace treaties have not been conducted. Consequently, Israeli amateurs now may legally contact amateurs in Algeria, United Arab Emirates, Bahrain, Tunisia, Jordan, Kuwait, Lebanon, Libya, Mauritania, Morocco, Sudan, Syria, Oman, Iraq, Saudi Arabia, Qatar, and both North and South Yemen.

Correction: Vol. 9, Number 9, referred to "CW subbands," which was inaccurate. The correct term is "non-voice subbands."

ARRL DX CONTEST PRELIMINARIES

The contest branch at Headquarters has released domestic high claimed scores for the ARRL International DX Contest, held last February and March, and while the Northeast continued its domination of single-operator scores on both modes, other areas of the country made serious inroads in other categories.

Exceptions to the single operator domination by stations in the first and second call areas include W9RE (second place CW, third on voice); N5RZ (number 10 CW); and NA8V and K0RF (both in the top ten on SSB).

On CW, WO0G, K4VX/0, and WN4KKN/5 all lead single band listings, while W0ZV and W7WA top single band 20 and 15, respectively, on SSB.

Official results are scheduled for October *QST*.

COMMISSION OFFICE MOVES

Effective May 17 the FCC Denver Office has moved to 165 S. Union Blvd., Suite 860, Lakewood, CO 80228 (303-969-6497/8).

QSL ETIQUETTE FOR SOVIET HAMS

In late 1988 a new world opened for Soviet Amateur Radio operators, when they received permission to send and receive QSL cards direct. In the February issue of their *Radio* magazine, G. Chilyants, UY5XE implores Soviet hams not to request International Reply Coupons from overseas (IRCs are neither sold nor negotiable in the USSR).

"...letters are beginning to come in," Chilyants writes, "to the [RadioSports Federation], the Central Radio Club, and to individual radio amateurs from foreign shortwavers, surprised by such behavior on the air by Soviet stations."

Chilyants offers the following advice on "how to make use of the right to give one's personal address over the air":

* "Give your address only when asked to do so by the other station, or after he has given you his;

* "Avoid giving your address when working DX stations and expeditions; your information won't be noted in the log anyhow;

* "It's not ethical to indicate the need for IRCs, much less the number of IRCs needed. These things will be determined by the other station. If there are no enclosures in the envelope sent to you, send your QSL via the bureau;

* "If one IRC is enclosed, send your QSL by direct surface mail; if two IRCs are enclosed, send your QSL by direct air mail." (Translation from *Radio* by Dexter Anderson, W4KM).

From -8080938411959846568
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e8919c22b389dee
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-06-18 19:42:36 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!news!cartan!ndmath!nstar!towers!brian
From: brian@towers.UUCP (Brian Murrey)
Newsgroups: rec.ham-radio
Subject: Re: Uniden and Education
Message-ID: <68@towers.UUCP>
Date: 19 Jun 90 02:42:36 GMT
References: <9006150703.AA02478@ucsd.edu> <8960@cg-atla.agfa.com>
Organization: The Twin Towers - Indianapolis, IN USA
Lines: 13
Posted: Tue Jun 19 03:42:36 1990

Subj: Uniden for Education

The following is straight out of the July issue of 73, in the QRX area... Uniden America is offering a quantity of their HR-2510 transceivers to schools who have a licensed radio amateur on staff authorized to operate on 10 meters. The school must agree to install the equipment. When it is no longer in use, for whatever reason, the equipment must be returned for redistribution to another user. The radio cannot be sold or re-donated. The HR-2510 operates between 28.0 and 29.7, for information on how to apply for an HR 2510, contact Paul Davis at (817)858-3300. TNX Uniden

---

From 6063875446690096744
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7b48a0f4bc7e4a6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-18 20:16:32 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!MTS.RPI.EDU!Joel_Glickman
From: Joel_Glickman@MTS.RPI.EDU
Newsgroups: rec.ham-radio
Subject: Field Day Logging Program
Message-ID: <1851901@MTS.RPI.EDU>
Date: 19 Jun 90 03:16:32 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Tue Jun 19 04:16:32 1990

Could someone please post the FTP site where the Field Day Logging program is? I would like to download it and use it for field day....
Thanks,
Joel Glickman
W2SZ - RPI Amateur Radio Club
Rensselaer Polytechnic Institute
Troy, NY

From -3427592649785044257
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e3c0df7e29b00adf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-18 20:18:13 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!news-server.csri.toronto.edu!utgpu!watserv1!watmath!att!cbnewsj!k2ph
From: k2ph@cbnewsj.att.com (The QRPer)
Newsgroups: rec.ham-radio
Subject: Re: Field day software bugs
Message-ID: <1990Jun19.031813.8618@cbnewsj.att.com>
Date: 19 Jun 90 03:18:13 GMT
References: <12598864092.8.POPYACK@TOPS20.RADC.AF.MIL>
Organization: QRM Central
Lines: 32
Posted: Tue Jun 19 04:18:13 1990

From article <12598864092.8.POPYACK@TOPS20.RADC.AF.MIL>, by POPYACK@TOPS20.RADC.AF.MIL:
> I have tried the field day program (FIELDAY.ZIP) by Paul Cassel, VE3SY.
> It works well until I run the program to print the results. It hangs up
> all the machines I have tried it on. I would love to use this program for
> field day, but it is useless if it cannot print the results!

And here I thought it was something I was doing wrong! I tried to run fieldday on a Philips P3105 (XT compatible) and noticed a couple of undocumented features (hate to say "bugs"). It seems that the running total of contacts always lists 1 contact on each of the other bands, so the contact total is always wrong.

The other problem is when the contest is over and it's time to print things out. I tried running sortfd from inside the fieldday program and tried running sort-fd from outside fieldday. Either way made no difference--the computer hangs and has to be rebooted. Interestingly enough, I tried it again using different data and got "divide overflow" when I tried to sort.

I'd love to see these features ironed out. The program runs considerably faster than some other Field Day loggers I've seen (one of them also called "fieldday"). But, as was pointed out, if you can't print the results it doesn't have a lot of usefulness.

And I was all set to ask for CW keying of the DTR lead on the COM1 port (a la K1EA and K8CC). :-)

```
--
=========================================================================
Bob Schreibmaier K2PH  | UUCP: att!oblivion!k2ph or k2ph@oblivion.att.com
AT&T Bell Laboratories | ARPA: k2ph%oblivion@att.arpa
Lincroft, N.J. 07738   | ICBM: 40o21'N, 74o8'W
```

From 2714441325307398912

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1eb3a77d3134445,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-18 23:26:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!TAMVENUS.BITNET!RDW2030
From: RDW2030@TAMVENUS.BITNET
Newsgroups: rec.ham-radio
Subject: !!
Message-ID: <9006191517.AA14425@ucsd.edu>
Date: 19 Jun 90 06:26:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Tue Jun 19 07:26:00 1990

Guess what guys! I found a news server!! I can be selective now! Yea!! I don't believe it. There are a couple hundred different lists available, too.

What a great way to waste away the hours, eh?

Mark Lowe - KB5III

Wish I could get my old account working!!

From -6852799672483073985
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c587bcbe825e278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 01:04:08 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: US calls starting with N (was Re: USA ham call words -corrected)
Message-ID: <25397@usc.edu>
Date: 19 Jun 90 08:04:08 GMT
References: <andreap.645128686@s.ms.uky.edu> <36324@shemp.CS.UCLA.EDU>
Sender: news@usc.edu
Organization: EE-Systems, USC, Los Angeles
Lines: 9
Posted: Tue Jun 19 09:04:08 1990

I'm sure that most hams have noticed, but for those who haven't:

Aircraft always have license numbers painted on them that follow the same scheme as radio transmitter callsigns, for international prefixes.

Why aircraft, and not land vehicles? I don't know about watercraft. Does anybody else?

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From 4076527869115096717
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,405adbf5e8408d9c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 01:28:24 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.UUCP (Constructive Frivolling)
Newsgroups: rec.ham-radio
Subject: QSLs
Keywords: getting it right
Message-ID: <31933@ut-emx.UUCP>
Date: 19 Jun 90 08:28:24 GMT
Organization: The University of Texas at Austin, Austin, Texas
Lines: 22
Posted: Tue Jun 19 09:28:24 1990

Someone mentioned writing calls clearly on QSL cards to ensure that they reach the right person. I have been a manager in a small way for Usenet personality Trey WN4KKN, who was WN4KKN/KP2 for a day or two before and after operating KP2A multi-single in last year's WPX (which he won worldwide, yay...). Anyway, the cards that I have received for Trey, direct or via the bureau, now include *eighteen* different wrong versions of his call. And these represent just the cards that are correctly routed to me. A couple of cards went to AA5B who sent them on, some were made out "via AA4BT" but reached me through the bureau, and so on. Whereas many hams make up wall displays of their most exotic QSL cards, Trey is planning an exhibit of the cards with the wrong calls on them. I emphasize that it's not just 18 cards that had the wrong call, it's 18 different wrong calls among a much larger number of incorrect cards. OK, so it's quite a long call (and was only used on CW), but sheesh...

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
wills@utxvm (Bitnet)

From 3431114434443871178
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bce5b7fb64356de
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 01:32:34 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: RE: Making ham radio known
Message-ID: <9006181707.AA03323@ti.com>

Date: 18 Jun 90 16:48:30 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 84
Posted: Mon Jun 18 17:48:30 1990

From: TILDE::"RDW2030@TAMVENUS.BITNET" 17-JUN-1990 22:55:13.72
Subj: Making ham radio known

Mark & all...

Your remarks reminded me of some cards a club back home had. It was about the size of a QSL, and had printing about like a weeding or graduation invitation might.

It essentially commented about amateur radio in general, something about the local club, and the ARRL (it was, after all, an affiliated club!).

We all had a couple hundred of these, and kept them in the glove compartment (now called a map compartment, and barely big enough to hold maps!) and when we encountered a person who asked, we all had descriptions and pitches we practiced, then gave them one of those cards.

Gee, that was back in the early 70's.

Now, unless you carry a video or can do it in 'rap' you might not hold anyone's attention too long. :-)

But maybe a handout brochure is *-not-* that bad an idea, with addresses of the local clubs, description paragraphs (with pictures?) of packet, oscar, atv, etc., and of course, the emergency preparedness and dx stuff.

As a minimum, I went to one of those quick print places and for $10 or so got some cards made up with my name and address and phone number. In the center where the copmany name might be is my call.

Some QSL printers were selling those years ago as "eyeball QSLs". But in addition to giving them to fellow hams at conventions, they can be useful to give to non-hams. It at least says to that person, if you want to find out more, give me a call... On one occasion, I had an individual call me using the number on the card. They weren't too interested at first, but thought about it and called later.

%MSG5107-W-SBMON, SOAPBOX MODE ON

I think a first step is to THINK about what would you say to someone if they asked you about ham radio? The way we represent ham radio will be what we think about ham radio, or maybe what we think ham radio should be.

But a good idea would be to know what you want to say and even practice it a few times. Grab a friend who doesn't care and practice on them. (You might have to buy them a pizza to get the opportunity!)

The point is, if someone asks you and you just shrug and mumble something about dx and morse code, that leaves a pretty fuzzy impression.

Think about what you do in ham radio. Do you yak with your friends on the way to work on the 2-meter repeater? Well, what do you talk about? Do you exchange cookie recipes and talk about what was on TV last night, or do you discuss the merits of antennas and propagation conditions the past week?
I suspect you hear a little of both on some repeaters.

Do you go on transmitter hunts? Why? Do you work contests? Why? Realize my asking why is not a challenge to anyone personally. It is a challenge to the group at large to be ready to enthuse (is that a real verb?) others in what they do.

Ham radio's greatest resource isn't the hardware or the technology itself, it is the people that develop and use that hardware, that understand the need and the enjoyment of it. And even more so if they are ready to share that understanding and enjoyment with others.

%MSG5108-S-SBMOFF, SOAPBOX MODE OFF

Mark, good luck. I hope you can get a real movement going.

-73, Bob

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                          !   "In order to accomplish the
 Bob West WA8YCD                 !    impossible, you must attempt
 RLWEST@FLOPN2.CSC.TI.COM        !    the absurd!"
                                 !       -- Miguel de Animo y Jugo
 P. O. Box  863069               !
 Plano Texas 75086               !
 214/917-1908  FAX 214/917-7519 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

From -5935282578276165082
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cde50b2853a13297
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 01:34:37 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!decwrl!nsc!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: ... revisited
Summary: rec.ham-radio.software ????
Message-ID: <56@thoreau.nsc.com>
Date: 18 Jun 90 15:34:23 GMT
References: <9006160526.AA08376@ucsd.edu>
Organization: National Semiconductor, S. Portland, Maine

Lines: 17
Posted: Mon Jun 18 16:34:23 1990

In article <9006160526.AA08376@ucsd.edu>, RDW2030@TAMVENUS.BITNET writes:
>
> Why can't we create a separate list for binaries?
>
> What do you say, INFO-HAMS admin?? How about a separate list for programs?
>
> Mark Lowe - KB5III

Great idea Mark, I know the flow of programs here on rec.ham-radio is not that high but it would sure be a nice adder to have a place to exchange programs. I'll contribute "PATHFINDER" since I wrote the program and am still getting a reasonable flow of mail on it. I don't have the time but there is a prescribed format for kicking off a new discussion group which this is what we are probably talking about. Can some one pick up the ball and run with it?

Ron Todd, K3FR

From 3890872043515757459
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a63051b6e7b1f0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 02:30:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!rutgers!cunixf.cc.columbia.edu!cunixa.cc.columbia.edu!cy5
From: cy5@cunixa.cc.columbia.edu (Conway Yee)
Newsgroups: rec.ham-radio
Subject: Re: Vote for info-hams-binaries
Message-ID: <1990Jun18.174022.26049@cunixf.cc.columbia.edu>
Date: 18 Jun 90 17:40:22 GMT
References: <9006181503.AA09129@ucsd.edu>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Reply-To: cy5@cunixa.cc.columbia.edu (Conway Yee)
Organization: Columbia University
Lines: 9
Posted: Mon Jun 18 18:40:22 1990

In article <9006181503.AA09129@ucsd.edu> MEHARP01@ULKYVM.BITNET (Michael Harpe) writes:
>
>I think that would be a terrific idea!
>

I am not so sure such a group would be a good idea? There can't be that many binaries that could use such a newsgroups.

Conway Yee, N2JWQ

From -8451532102781031281
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c587bcbe825e278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 02:31:53 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucla-cs!valeria.cs.ucla.edu!wales
From: wales@valeria.cs.ucla.edu (Rich Wales)
Newsgroups: rec.ham-radio
Subject: US calls starting with N (was Re: USA ham call words -corrected)
Message-ID: <36324@shemp.CS.UCLA.EDU>
Date: 18 Jun 90 18:26:00 GMT
References: <andreap.645128686@s.ms.uky.edu>
Sender: news@CS.UCLA.EDU
Reply-To: wales@CS.UCLA.EDU (Rich Wales)
Organization: UCLA CS Department, Los Angeles
Lines: 10
Posted: Mon Jun 18 19:26:00 1990

In article <andreap.645128686@s.ms.uky.edu> andreap@ms.uky.edu (Stephen
McNatton) gave a list of US call letter assignments.

This list didn't say anything about four-letter calls starting with N.
Are these calls assigned to any service?

--
-- Rich Wales <wales@CS.UCLA.EDU> // UCLA Computer Science Department
   3531 Boelter Hall // Los Angeles, CA 90024-1596 // +1 (213) 825-5683
   "This is yet another example of how our actions have random results."

From 2596244331456156435
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cde50b2853a13297
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 02:33:05 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!rutgers!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: ... revisited
Message-ID: <38130@cci632.UUCP>
Date: 18 Jun 90 14:57:41 GMT
References: <9006160526.AA08376@ucsd.edu>
Reply-To: cep@ccird7.UUCP (Christopher Piggott - co-op)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 11
Posted: Mon Jun 18 15:57:41 1990

In article <9006160526.AA08376@ucsd.edu> RDW2030@TAMVENUS.BITNET writes:

[all kinds of stuff about INFO-HAMS hating uuencoded binaries in digest]

Question: should rec.ham-radio readers be concerned about this, i.e.

does what I type get digested (??) and shipped on to the mailing list,
even though I'm not on that list?

Chris WZ2B
cs.rochester.edu!cci632!ccird7!cep

From -4579731837253206353
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cde50b2853a13297
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 02:33:10 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: ... revisited
Message-ID: <14433@ucsd.Edu>
Date: 18 Jun 90 18:45:25 GMT
References: <9006160526.AA08376@ucsd.edu> <38130@cci632.UUCP>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 7
Posted: Mon Jun 18 19:45:25 1990

In article <38130@cci632.UUCP> cep@ccird7.UUCP (Christopher Piggott - co-op)
writes:
>does what I type get digested (??) and shipped on to the mailing list,
>even though I'm not on that list?

Yes, all articles posted to the newsgroup go to the mailing list digest,
and all articles mailed to the digest get posted to the newsgroup.
- Brian

From -3549918120371511331
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bce5b7fb64356de
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 02:53:03 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!rutgers!cunixf.cc.columbia.edu!
cunixa.cc.columbia.edu!cy5
From: cy5@cunixa.cc.columbia.edu (Conway Yee)
Newsgroups: rec.ham-radio
Subject: Re: Making ham radio known
Message-ID: <1990Jun18.173737.20882@cunixf.cc.columbia.edu>
Date: 18 Jun 90 17:37:37 GMT
References: <9006172224.AA03527@ucsd.edu>
Sender: news@cunixf.cc.columbia.edu (The Daily News)
Reply-To: cy5@cunixa.cc.columbia.edu (Conway Yee)
Organization: Columbia University
Lines: 19
Posted: Mon Jun 18 18:37:37 1990

In article <9006172224.AA03527@ucsd.edu> RDW2030@TAMVENUS.BITNET writes:

```
>What unusual methods have you used yourself or seen other hams use to really
>get people interested in what was going on?  We are in serious need of more
>grass-roots exposure, I think.  If we can get some good ideas going, then we
>can possibly carry them out.  I am a big ham radio evangelist, looking for more
>ways to let people know about it!

I sign my posts to all newsgroups,

                    Conway Yee, N2JWQ

I have gotten at least a half a dozen requests by e-mail asking what N2JWQ
meant.  I explain and then offer to give them more information if they want.
At the very least, this increases the number of people who know about ham
radio.

                    Conway Yee, N2JWQ

P.S.  Nobody has yet requested any additional info about ham radio.


From 2022378817130370932
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e3c0df7e29b00adf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 03:56:20 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!
TOPS20.RADC.AF.MIL!POPYACK
From: POPYACK@TOPS20.RADC.AF.MIL
Newsgroups: rec.ham-radio
Subject: Field day software bugs
Message-ID: <12598864092.8.POPYACK@TOPS20.RADC.AF.MIL>
Date: 18 Jun 90 20:27:28 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11
Posted: Mon Jun 18 21:27:28 1990

I have tried the field day program (FIELDAY.ZIP) by Paul Cassel, VE3SY.
It works well until I run the program to print the results.  It hangs up
all the machines I have tried it on.  I would love to use this program for
field day, but it is useless if it cannot print the results!

Paul, if you are out there, send me a response to

POPYACK@TOPS20.RADC.AF.MIL

I have been unable to get mail to you.  73 Len WF2V
-------


From -5043843465475214831
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38fcad724ab46eed,start
```

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,38fcad724ab46eed,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-06-19 04:26:05 PST
Path: gmdzi!unido!mcsun!uunet!fernwood!hercules!cslb.csl.sri.com!faunt
From: faunt@dustbin.cisco.com (Doug Faunt N6TQS 415-688-8269)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Wanted, pointer to manufacturer or power supply schematic
Message-ID: <FAUNT.90Jun18113945@dustbin.cisco.com>
Date: 18 Jun 90 18:39:46 GMT
Sender: usenet@csl.sri.com
Followup-To: sci.electronics
Distribution: sci
Organization: cisco Systems, Menlo Park, CA
Lines: 9
Xref: gmdzi sci.electronics:7120 rec.ham-radio:12227
Posted: Mon Jun 18 19:39:46 1990

I have a Standard Power Inc, SPS120-15 power supply for which I would like to get a schematic. In the 1988 Thomas Register they are listed in Santa Ana, but the number given just rings, and directory assistance has no listing there. I am looking for a schematic for this power supply, or a pointer to the manufacturer, who may have moved,
thanks, and 73, doug
--
faunt@cisco.com   415-688-8269

From -7544894881698107930
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d4848d2a6527109a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 04:54:18 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!PICA.ARMY.MIL!cfishman
From: cfishman@PICA.ARMY.MIL (Clark Fishman, FSAC-FCD)
Newsgroups: rec.ham-radio
Subject: HELP
Message-ID: <9006190754.aa15153@FSAC1.PICA.ARMY.MIL>
Date: 19 Jun 90 11:54:18 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Tue Jun 19 12:54:18 1990

I just got a KLM ECHO II TWO METER SSB TRANCEIVER AT
A LOCAL HAMFEST....AS USUAL NO DOCUMENTATION.....
I AM LOOKING FOR ANY AND ALL INFO ON THIS RIG...
COPYING COST WILL BE GLADLY PAID.....

TNX IN ADVANCE

CLARK FISHMAN WA2UNN

P O BOX 150 ANDOVER,NJ 07821

PHONE DAY: 201-724-6041
NIGHT: 201-852-7416 (ANSWERING MACHINE ALWAYS ANSWERS)

From -112854960761089661
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7844f5e9c201b54f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 05:38:52 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!usc!apple!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: QSLing
Summary: Call sign up to date???
Message-ID: <57@thoreau.nsc.com>
Date: 19 Jun 90 12:38:52 GMT
References: <9006111248.AA22930@ucsd.edu> <623@compnect.UUCP> <37631@genrad.UUCP>
Organization: National Semiconductor, S. Portland, Maine
Lines: 18
Posted: Tue Jun 19 13:38:52 1990

In article <37631@genrad.UUCP>, dls@genrad.UUCP (Diana L. Syriac) writes:
> As a courtesy, I will send out a postcard for hams who are in the callbook
> (HINT, is your name and address up to date in the callbook? If not, WHY NOT?)

Barring typos in the callbook (notify the callbook people) your call and address should be up to date both there and with the FCC. The callbook gets most of its info from the FCC which brings me to the point I want to note. I should like to remind ALL that the FCC requires us to keep them up to date with our current address. This is necessary, not only from an enforcement standpoint but to enable easier written communications. It use to be adaquate to mail a hand written letter informing them of a new address but not any more; now one is required to file on an FCC-610 form (a valid one). This is also to your advantage, as Diana kindly notes.

(Not ranting, just a friendly reminder from one who cares.)

73,
Ron Todd, K3FR

From 8339408505142781991
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8f735558ae2a06f6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 05:42:49 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!TOPS20.RADC.AF.MIL!POPYACK
From: POPYACK@TOPS20.RADC.AF.MIL
Newsgroups: rec.ham-radio
Subject: W2SEX

Message-ID: <12598865767.8.POPYACK@TOPS20.RADC.AF.MIL>
Date: 18 Jun 90 20:36:40 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 3
Posted: Mon Jun 18 21:36:40 1990

I thought W2SEX Belongs to BARA (Buffalo Amateur Radio Club) -- not
Adirondack ARC....

From 412986536768961481
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b4bfb610c7eda140,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 06:07:57 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!samsung!uakari.primate.wisc.edu!
dali.cs.montana.edu!milton!uw-beaver!cornell!vax8530!fysy
From: fysy@vax5.cit.cornell.edu
Newsgroups: rec.ham-radio
Subject: mods wanted for ts140s
Message-ID: <4282.267deb6e@vax5.cit.cornell.edu>
Date: 19 Jun 90 13:07:57 GMT
Distribution: rec
Lines: 5
Posted: Tue Jun 19 14:07:57 1990

I am a new ham (waiting on the FCC for a callsign), and have recently
purchased a kenwood ts140s. I am interested in knowing any and all mods
for this radio. Please email directly, and I will post a summary.
Thanks, Donald Drinkwater
fysy@crnlvax5.bitnet   fysy@vax5.cit.cornell.edu

From -970635386144973829
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a2a2ae7c45f8daf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 06:08:20 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!cg-atla!raybed2!ewb
From: ewb@raybed2.msd.ray.com (EUGENE BALINSKI)
Newsgroups: rec.ham-radio
Subject: Re: 440 MHz filtering
Summary: Helical Resonators
Message-ID: <1639@raybed2.msd.ray.com>
Date: 19 Jun 90 13:08:20 GMT
References: <1990Jun15.175251.4080@hayes.fai.alaska.edu>
Organization: Raytheon Co., Tewksbury, Mass.
Lines: 21
Posted: Tue Jun 19 14:08:20 1990

In article <1990Jun15.175251.4080@hayes.fai.alaska.edu>,

fnddr@acad3.fai.alaska.edu writes:
> We need a filter for a low-noise preamp in the 440 MHz range. Mostly it
> needs to have a flat passband about 5 MHz wide, and steep rolloff, especially
> on the low end. Can anybody suggest a solution that is more clever than
> your standard LC configurations? Sharper cutoff, less insertion loss?

The type of filtering you are looking for can probably be accomplished
using Helical Resonator Filters. See the ARRL Hand Book or the RSGB VHF handbook
for design criteria.

> I'd like to find some good books dealing with VHF/UHF design techniques...
> my library covers HF and microwaves but has quite a hole in between.
> Suggestions are welcome.
>

The RSGB VHF Handbook may be what you are looking for. Also give the
Ham Radio Book Store (Greenville New Hampshire) a call and ask for their
catalogue. It is quite good.

73
WA1UXA

"59 New Hampshire FN-42 QRZ ??""

From -1851865818939749914
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8f735558ae2a06f6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 07:27:49 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!uwm.edu!rutgers!rochester!newkodak!eastman!hpcore!gerwitz
From: gerwitz@hpcore.Kodak.Com (Paul Gerwitz)
Newsgroups: rec.ham-radio
Subject: Re: W2SEX
Message-ID: <1238@eastman.UUCP>
Date: 19 Jun 90 14:27:49 GMT
References: <12598865767.8.POPYACK@TOPS20.RADC.AF.MIL>
Sender: news@eastman.UUCP
Reply-To: gerwitz@Kodak.com
Organization: Eastman Kodak Co.
Lines: 14
Posted: Tue Jun 19 15:27:49 1990

In article <12598865767.8.POPYACK@TOPS20.RADC.AF.MIL>,
POPYACK@TOPS20.RADC.AF.MIL writes:
|> I thought W2SEX Belongs to BARA (Buffalo Amateur Radio Club) -- not
|> Adirondack ARC....
|> -------

Wrong Again.... W2SEX belongs to ARATS, Amateur Radio Association of the
Tonawanda's (Suburb of Buffalo)

+--+

```
 | Paul F Gerwitz  WA2WPI  | SMTP: gerwitz@kodak.com                      |
 | Eastman Kodak Co        | UUCP: ..rutgers!rochester!kodak!eastman!gerwitz  |
 +--------------------------------------------------------------------------+
```

From 747641147372605973
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bce5b7fb64356de
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 07:31:52 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: Making ham radio known
Summary: spkrs buro, slide show, articles in non-ham mags
Message-ID: <42091@apple.Apple.COM>
Date: 18 Jun 90 23:28:35 GMT
References: <9006172224.AA03527@ucsd.edu>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 50
Posted: Tue Jun 19 00:28:35 1990

In article <9006172224.AA03527@ucsd.edu> RDW2030@TAMVENUS.BITNET writes:
>The question is... what good ideas can you guys come up with to really get
>people to know about ham radio and what it does for them as well as what a
>great hobby it could be for many.

Here are a couple of ideas I've implemented.

A few years ago our ARRL Section Manager here in the Santa Clara Valley section started a speakers bureau. We found hams who were outgoing and could speak enthusiastically and *with a minimum of technical jargon* to service clubs (such as the Lions and Rotary) and other organizations. (Don't forget your county and city supervisors.)

To support this effort, I came up with a slide show and script illustrating the variety of ham activites in the area. I purposely only used photos of hams in this section, so that it would be more personal instead of just "hams somewhere are doing this." I did, however, show them hamming in other locations, such as for DXpeditions and emergency communications. I'd be happy to send the ASCII file of the script to anyone who wanted to use it as a template.

When the SM became Division Director, he asked me to write up guidelines for the speakers bureau, and he distributed them to other SMs and PIOs (public information officers, now public information coordinators) in the division. I don't think any of them ever implemented a speakers bureau, and his successor as SM didn't keep ours going. As far as I know, the slide shows are currently sitting on shelves somewhere. With only minor modifications (we can replace the Coalinga earthquake pictures with our own :-)), it would still be a fine show. Perhaps our incoming SM (I know you're out there, Steve!) can resuscitate these ideas.

More recently, in my capacity as an Assistant Director for the Pacific Division, I wrote up guidelines for hams who wished to write articles about amateur radio for *non-ham* publications. There are lots of hobby and professional magazines out there that would be great for ham stories, gang!! Rod publicized the guidelines in his newsletter, and I got about a dozen requests for them. Excerpts also appeared in "Field Forum", a newsletter from HQ for ARRL field appointees. I don't know whether anyone has actually produced any articles based on my suggestions.

That should give everyone a few ideas to chew on!

Patty

```
--
*****************************************************************************
Patty Winter N6BIS                         INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                      UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From 3019989755899112267
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bce5b7fb64356de
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 08:12:44 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: Making ham radio known
Message-ID: <42094@apple.Apple.COM>
Date: 18 Jun 90 23:40:50 GMT
References: <9006181707.AA03323@ti.com>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 37
Posted: Tue Jun 19 00:40:50 1990

In article <9006181707.AA03323@ti.com> rlwest@flopn2.csc.ti.com (Bob West, WA8YCD) writes:
>Your remarks reminded me of some cards a club back home had. It was about
>the size of a QSL, and had printing about like a weeding or graduation
>invitation might.
>
>It essentially commented about amateur radio in general, something about
>the local club, and the ARRL (it was, after all, an affiliated club!).
>
>But maybe a handout brochure is *-not-* that bad an idea, with addresses of
>the local clubs, description paragraphs (with pictures?) of packet, oscar,
>atv, etc., and of course, the emergency preparedness and dx stuff.

Ah, right, this reminds me of a couple other PR projects I've done.

One was a brochure for civic officials about ARES. Yes, stuff like that is available from the League, but I figured it would be more effective to show local examples of how we've helped in emergencies. I had it all written and ready for the Section Emergency Coordinator to review. He never did anything with it. Scratch that project.

Another was a flyer (actually, a series of flyers) for handing out at Field Day and other public events. It's just on both sides of a regular sheet of paper, and explains what we're doing and why. They came in very handy the times we had groups up at a 9,000-foot elevation parking lot running VHF contests and the California QSO party. The parking lot is right on the way to a national monument, so quite a few people came by.

Again, I'd be happy to send ASCII files to anyone who wants them.

Patty

--
****
Patty Winter N6BIS   INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]   UUCP: {decwrl,nsc,sun}!apple!winter
****

From -6683048071195047703
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c1736cbc21081b24,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 08:49:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!dogie.macc.wisc.edu!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!UTO
From: wim@hlis07.dec.com (W.Beekman-PA3AGZ @UTO DTN 838-2088)
Newsgroups: rec.ham-radio
Subject: AMSAT presentations available on USENET ?
Message-ID: <12644@shlump.nac.dec.com>
Date: 19 Jun 90 15:49:05 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 14
Posted: Tue Jun 19 16:49:05 1990

Are AMSAT presentations available on USENET ?

As I can't attend AMSAT meetings in the USA. (Too expensive for me personally..)
==
Wim Beekman PA3AGZ   wim@hlis07.dec.com
Digital Equipment B.V.   -- or -- !decwrl!hlis07.dec.com!wim
Utrecht, The Netherlands   -- or -- wim%hlis07.dec@decwrl.dec.com

==
"The opinions expressed here are my own and in no way represents the views

of Digital Equipment Corporation "

==

From -6715648730974788176
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c587bcbe825e278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 08:58:23 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: US calls starting with N (was Re: USA ham call words -corrected)
Message-ID: <38174@cci632.UUCP>
Date: 19 Jun 90 15:58:23 GMT
References: <andreap.645128686@s.ms.uky.edu> <36324@shemp.CS.UCLA.EDU>
<25397@usc.edu>
Reply-To: cep@ccird7.UUCP (Christopher Piggott - co-op)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 19
Posted: Tue Jun 19 16:58:23 1990

In article <25397@usc.edu> kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
>Aircraft always have license numbers painted on them that follow the
>same scheme as radio transmitter callsigns, for international prefixes.
>Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

This probably isn't worth a giant discussion, but there is a 2m weekly
net out on Long Island with the topic "Aviation" ... once, when I was
listening, someone pointed out that private pilots who were hams lucky
enough to have NA[0-9][other_stuff] callsigns could request the call as
their airplane license/registration ID, also (from the FAA).

Again, the letter X might come into play, because I seem to remember
X being reserved for experimental aircraft.

I am *NOT* a pilot and I am operating from memory here...just an interesting
note. Made me wish I had one of those calls ... and a pilots license ...
and an airplane ... and ... :-)

Chris WZ2B

From -7469725859370881545
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e9ea3759e6c653c0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 09:02:52 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Re: The bands are dead!
Summary: X-rays receiver saturation and radar

Keywords: Sun Blew Up Again...
Message-ID: <38175@cci632.UUCP>
Date: 19 Jun 90 16:02:52 GMT
References: <1990Jun13.015147.4993@lopez.UUCP>
<1990Jun18.195238.8246@stb.info.com>
Reply-To: cs.rochester.edu!cci632!cep (Christopher Piggott - WZ2B)
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 11
Posted: Tue Jun 19 17:02:52 1990

In article <1990Jun18.195238.8246@stb.info.com> driver8@stb.info.com (Hugh Whats-his-name) writes:
>There have been
>a lot more of the really big flares (the ones that register so high that
>they saturate the x-ray detectors on the satellites and the strength has to
>be estimated...) this time around than in the past couple of cycles.

I wonder if this could you out of a speeding ticket :-) :-) :-)

(OH NO, NOT THAT TOPIC AGAIN! Shhh, I didn't bring up RADAR. :-))

WZ2B

From -8504913139819764079
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3d08d2e115afdc37,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,3d08d2e115afdc37,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-06-19 09:06:46 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!rpi!bu.edu!mirror!necntc!necis!rbono
From: rbono@necis.UUCP (NM1D)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Repeater Technical survey
Keywords: VHF, UHF, repeater, duplexer
Message-ID: <1343@necis.UUCP>
Date: 19 Jun 90 16:06:46 GMT
Organization: NEC Technologies, Inc., Boxborough, MA
Lines: 73
Xref: gmdzi rec.ham-radio:12263 sci.electronics:7141
Posted: Tue Jun 19 17:06:46 1990

I am looking to the net for some information concerning VHF/UHF repeaters. I hope to gain some FACTUAL data, I am NOT looking for quotes from the data sheets, so please consider this when replying.

A couple of us are responsible for four VHF/UHF Amateur NBFM repeaters in our area. Two machines are on 2 meters, one on 1.25 and the other on 70cm. With such a small sample (and each machine has different equipment), we want to be sure that our systems are operating within a 'normal' performance range.

The main question concerns the use of band-pass/band-reject duplexers. If you are using another type of duplexer, please describe:

Optional, manufacturer of the duplexer (with model number):

When operating into bp/br duplexers (when the output of such is connected to a single feed-line/antenna system). Please answer (as you have experience) the following questions separately for the 146/220/440 MHz bands (600KHz, 1.6MHz, and 5MHz tx/rx offsets):

1) How much "measured" loss do you experience through your duplexer?

2) What is the VSWR (or reflected power) into your duplexer?

3) How much tx/rx isolation have you actually measured (i.e.: 100db?) ?

4) What is your duplexer configuration (i.e.: 3 rx and 3 tx cans) ?

5) Are you using a circulator or an isolator?

6) Are you using a "Z-match" device between your transmitter & duplexer?

7) How much output power are you running (power into the duplexers)?

8) Are the final output devices (last stage into the duplexer) tube(s) or solid state?

9) Are you using a "Z-match" device between your transmitter & duplexer?

10) Have you experienced a need for using coax of higher quality than RG-214 between the TX/RX and the duplexers (and interconnecting the cans) with respect to shielding/desense problems ?

Also, noting that we are an Amateur group (in other words, we don't have very much money to spend), we would like to build "Z-match" devices for our equipment (A.K.A. narrow-range transmatch). Does anyone have any design data, schematics, or other information on these devices FOR USE IN A REPEATER SYSTEM?

We would love to use a circulator/isolator, but the cost of these devices are severely limiting (to us). Does anyone have any suggestions on these devices (construction, alternatives, etc.)?

If you are not directly responsible for a repeater, but know someone who is, please foward these questions to the person who can best answer the questions.

If you desired not to 'clutter' the net you mail email any response to me at "rbono@necis.nec.com" or, if you think the net would be interested in this technical "dribble", post it!! Packet: NM1D@WB1DSW.NH.USA

    Thank you in advance,

    Rich (NM1D)

```
--
 /**************************************************************************\
 * Rich Bono (NM1D)    If I could only 'C' forever!!    rbono@necis.nec.com *
 * (508) 635-6300          NEC Technologies Inc.                NM1D@WB1DSW *
 \**************************************************************************/
```

From -6144663905248994882
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6154db777706474f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 09:07:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!rutgers!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: club stations and the callbook
Message-ID: <38176@cci632.UUCP>
Date: 19 Jun 90 16:07:09 GMT
Reply-To: cep%cci632@cs.rocehster.edu (Christopher Piggott - WZ2B)
Organization: Computer Consoles Inc. an STC company, Rochester, NY
Lines: 12
Posted: Tue Jun 19 17:07:09 1990

I have noticed that most of the club calls listed in the callbook state the name and address of the trustee (except for clubs which have purchased special listings).

This year, I will conquer this by applying for a special listing for K2GXT, but I wonder if it occurs to the publishers that our club license reflects the CLUB'S address, not the trustee's, and that this is a particularly annoying facet of club QSL'ing.

```
% /usr/local/bin/stop_complaining  :-)
```

Chris WZ2B

From 4979323457763303800
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bce5b7fb64356de
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 09:53:50 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!mips!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson x2580 dept303)
Newsgroups: rec.ham-radio
Subject: Re: Making ham radio known

Message-ID: <2753@wyse.wyse.com>
Date: 19 Jun 90 16:53:50 GMT
References: <9006172224.AA03527@ucsd.edu> <42091@apple.Apple.COM>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson x2580 dept303)
Organization: Wyse Technology
Lines: 82
Posted: Tue Jun 19 17:53:50 1990

In article <42091@apple.Apple.COM> winter@Apple.COM (Patty Winter) writes:

> stuff deleted...
>
>When the SM became Division Director, he asked me to write up guidelines
>for the speakers bureau, and he distributed them to other SMs and PIOs
>(public information officers, now public information coordinators) in
>the division. I don't think any of them ever implemented a speakers bureau,
>and his successor as SM didn't keep ours going. As far as I know, the
>slide shows are currently sitting on shelves somewhere. With only
>minor modifications (we can replace the Coalinga earthquake pictures
>with our own :-)), it would still be a fine show. Perhaps our incoming
>SM (I know you're out there, Steve!) can resuscitate these ideas.

Ok Ok.....Geesh, I get the point....OUCH ;-)

Actually I have an idea VERY similar to this which had its' roots in trying to improve the support to affiliated clubs in our section.

Each of the field organization heads, i.e. the OO Co-Ordinator, Section Emergency Co-Ordinator, etc is required to come up with a 30-45 minute presentation about their respective areas. The idea is that any club can request one of these people to come down and speak at the club meeting. This has the two fold effect of providing the clubs with programs(which always seem hard to find) and getting the word out about services provided by the ARRL field organization.

There is nothing that says these presentations can't be aimed at a slightly more general audience like the Kawanas, etc. Or that we can't collect/encourage other presentations and make them available.

Gee Patty....did I see a volunteer to co-ordinate all this ;-)

We do have other programs running in the section (which I'm sure Patty is aware of) that are helping some to get the word out about Ham Radio. Most of these are spear headed by our PIC(Public Information Co-Ordinator) Randy, KK6BO.

The most recent addition to our efforts is the Childrens Discovery Museum in San Jose. There is a permanent ham station at the Museum which was donated by Kenwood. A club was formed around the Museum's exhibit to staff the exhibit during Museum operating hours.
Randy has been actively involved in getting this club and exhibit off the ground(there are several others who have put in a great deal of effort also!)

The section has also purchased a large banner which is available
for any club holding a public event to advertise the hobby. This
is another item co-ordinated by Randy.

These exhibits turn up a lot of names of people who are interested
in finding out more about ham radio. Our latest effort is aimed
at channeling the names of interested people to local clubs who
are holding classes(another of Randy's ideas).

I know of at least 3 articles in local Newspapers about ham radio
in recent months(one of which was in the San Jose Mecury News) and
two spots on TV. So we have been getting some exposure in the
local news media but they came to us as oppossed to the other
way around. We still haven't figured out a way to guarantee
an editor is going to print our news releases ;-)

Point to all this is that we are working on the problem on
different fronts. (And all of this was under the current
SM, Glen WB6W. I wish I could take credit for it all but can't ;-)
What it really takes is finding some people who are interested
in the problem AND have the energy to try new things. We
got lucky and found Randy.

>More recently, in my capacity as an Assistant Director for the Pacific
>Division, I wrote up guidelines for hams who wished to write articles
>about amateur radio for *non-ham* publications. There are lots of hobby
>and professional magazines out there that would be great for ham stories,
>gang!! Rod publicized the guidelines in his newsletter, and I got about
>a dozen requests for them. Excerpts also appeared in "Field Forum", a
>newsletter from HQ for ARRL field appointees. I don't know whether anyone
>has actually produced any articles based on my suggestions.

Patty, did you make this available to ARRL HQ? They should be
giving this out too!

73's de Steve KA6S
        SCV Section Manager Elect

From -4950543631396337090
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,89c84da0b91c19a6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 11:18:52 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!decwrl!bacchus.pa.dec.com!
shlump.nac.dec.com!e2big!anarky.enet.dec.com!brewer
From: brewer@anarky.enet.dec.com (John Brewer)
Newsgroups: rec.ham-radio
Subject: 20 meter mess
Message-ID: <329@e2big.enet.dec.com>
Date: 19 Jun 90 18:18:52 GMT
Sender: usenet@e2big.enet.dec.com

Organization: Digital Equipment Corporation
Lines: 26
Posted: Tue Jun 19 19:18:52 1990

I have had the misfortune to listen to 14.300 and 14.313 for the past few days, and wonder what *we* or the FCC can do to stop this mess.

I am not sure of the absolute legality of the MM traffic net, but I am certain that intentional jamming, obscenities, transmitting of CW passaages from nursery rhymes etc is certainly not permitted by the rules.

Two stations were most blantantly jamming. Both had Extra class calls.

It's tough seeing a nice hobby "circle the drain". Is the FCC considering any action against any of the participants in this childish dispute? Is the FCC totally useless as far as taking punative actions?

/john

```
+-----------------------------------------------------------------+
|John Brewer    WB5OAU           |      Brewer@ace.enet.dec.com  |
|Digital Equipment Corporation   |   Brewer@cup.portal.com    |
|Albuquerque NM                  |      WB5OAU@KN5D              |
+-----------------------------------------------------------------+
```

From -7394297756763938166
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a2a2ae7c45f8daf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 11:59:38 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!emcard!wa4mei!ke4zv!gary
From: gary@ke4zv.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: 440 MHz filtering
Message-ID: <614@ke4zv.UUCP>
Date: 19 Jun 90 18:59:38 GMT
References: <1990Jun15.175251.4080@hayes.fai.alaska.edu> <12120038@hpldola.HP.COM>
Reply-To: gary@ke4zv.UUCP (Gary Coffman)
Organization: none
Lines: 19
Posted: Tue Jun 19 19:59:38 1990

In article <12120038@hpldola.HP.COM> paul@hpldola.HP.COM (Paul Bame) writes:
>> >We need a filter for a low-noise preamp in the 440 MHz range. Mostly it
>> >needs to have a flat passband about 5 MHz wide, and steep rolloff, especially

>> >on the low end. Can anybody suggest a solution that is more clever than
>> >your standard LC configurations? Sharper cutoff, less insertion loss?
>
>> In metropolitan areas (like L. A.) weak signal VHF and UHF users (satellite
>> operators) often use cans. There are cans (duplexers, single filters, etc.)
>> for 440 MHz. Have you considered these? They are very sharp.
>

Since he says he needs a flat bandpass of 5Mhz (fast scan tv?), cans would
be too sharp. Coaxial cavity filters (cans) with any reasonable Q at all
will have a 3db point at about plus and minus 30khz. A better choice would
be a stagger tuned interdigital filter. A seven section filter could be
designed to have a plus or minus 2.5Mhz 3db passband. Trying to make it
phase linear could be tough though.

Gary KE4ZV

From -2902772890697213417
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2383db3e0dcfb08a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 12:31:04 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!usc!apple!agate!shelby!
portia.stanford.edu!stankus
From: stankus@portia.Stanford.EDU (John Stankus)
Newsgroups: rec.ham-radio
Subject: Re: Strange Call Signs
Message-ID: <1990Jun19.193104.19410@portia.Stanford.EDU>
Date: 19 Jun 90 19:31:04 GMT
References: <6282@gollum.twg.com> <30500549@ux1.cso.uiuc.edu>
Organization: AIR, Stanford Universit
Lines: 28
Posted: Tue Jun 19 20:31:04 1990

Newsgroups: rec.ham-radio
Subject: Re: Strange Call Signs
Summary:
Expires:
References: <6282@gollum.twg.com> <30500549@ux1.cso.uiuc.edu>
Sender:
Followup-To:
Distribution:
Organization: AIR, Stanford Universit
Keywords:

>In article <30500549@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>>
><>> One of my favorites is the shortest CW call in the US, N5EE, whom I've
>>> worked in contests (no, he doesn't send RST 555), although since the cal>l
>>> sign restructuring, this call is of course matched by NE5E.
>>
>>And AE5E.

On this line my brother holds the call N5EHE. We always used to kid him about his call sounding like a dah followed by machine gun fire.

My call on the other hand trades two dits for two dahs --> N5PEE
Great call eh?

John J. Stankus N5PEE   Dept. of Chemistry
stankus@portia.stanford.edu   Stanford University

```
From 3984396533659459325
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd3c00c16f90dd05,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 12:59:42 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!decwrl!ucbvax!HICKAM-EMH.AF.MIL!1843eie
From: 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE")
Newsgroups: rec.ham-radio
Subject: QRV 4 FD / Satellite info wanted
Message-ID: <9006191959.AA24156@uunet.uu.net>
Date: 19 Jun 90 19:59:42 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 38
Posted: Tue Jun 19 20:59:42 1990
X-Unparsable-Date: 19 Jun 90 09:55:00 GMT-10:00
```

INTEROFFICE MEMORANDUM

```
                                        Date:      19-Jun-1990 09:52am HST
                                        From:      1843EIG/EIE
                                                   1843EIE
                                        Dept:      1843EIG/EIE
                                        Tel No:    656-1158

TO:  Remote Addressee                     ( _INFO-HAMS%UCSD.EDU@UUNET.UU.NET )
```

Subject: QRV 4 FD / Satellite info wanted

In case anyone's interested....

The USAF MARS Affiliates, Hawaii, will be QRV for Field Day from sunny Bellows Field Beach, Waimanalo, Oahu, Hawaii, working most modes/bands using the call KH6CTQ. Pete was pictured in the Handbook a couple of years back with his windmill he built especially for Field Day. It (and Pete :-)) will be doing yeoman duty again this year.

And now, a request....

I was intrigued with the possibility of actually making a satellite QSO
this FD, thanks to the AMSAT bulletins that were posted yesterday. Now
the question: Could some kind soul out in netland explain to a totally
uninitiated user how to configure my equipment to make some satellite
packet QSO's, as well as tell me where to find the birds?

Thanks in advance....and yes, I know it's kind of late, but isn't
adaptability part of what FD is all about? :-)

73,

Jeff   WD6CQV/KH6 AFA8JM
1843eie"at"hickam-emh.af.mil

From 5566996668129972479
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8f735558ae2a06f6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 13:16:24 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: W2SEX
Message-ID: <1250176@hpnmdla.HP.COM>
Date: 19 Jun 90 20:16:24 GMT
References: <12598865767.8.POPYACK@TOPS20.RADC.AF.MIL>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 9
Posted: Tue Jun 19 21:16:24 1990

/ hpnmdla:rec.ham-radio / POPYACK@TOPS20.RADC.AF.MIL / 1:36 pm Jun 18, 1990 /
I thought W2SEX Belongs to BARA (Buffalo Amateur Radio Club) -- not
Adirondack ARC....

I thought it stood for Amateur Radio Society of the Tonawandas.

Al N1AL

From 470438360670289433
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e25874efc9eb9b32,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f74ae,e25874efc9eb9b32,start
X-Google-Attributes: gidf74ae,public
X-Google-Thread: 105d97,e25874efc9eb9b32,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-06-19 13:46:05 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!decwrl!megatest!suprtek!jc

From: jc@suprtek (John Cincotta 415 790 9382)
Newsgroups: sci.astro,rec.ham-radio,sci.electronics
Subject: Thanks for 60khz info
Keywords: thanks 60Khz
Message-ID: <190@suprtek>
Date: 19 Jun 90 20:46:05 GMT
Organization: Supertek Computers, Santa Clara, CA
Lines: 8
Xref: gmdzi sci.astro:4620 rec.ham-radio:12261 sci.electronics:7140
Posted: Tue Jun 19 21:46:05 1990

Thanks to all of you who sent me mail or called on the phone with information about time standards. We were able to use this to try and figure out where we have to go.

THANKS AGAIN

John Cincotta N6PLR

From 6144744271136588706
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9a63622e9f64a7be,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 14:27:37 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!ames!aplvax!ames!uakari.primate.wisc.edu!sdd.hp.com!decwrl!ucbvax!TOPS20.RADC.AF.MIL!POPYACK
From: mgb@tecnet1.jcte.jcs.mil
Newsgroups: rec.ham-radio
Subject: ANS: Field day software bugs
Message-ID: <9006192127.AA20355@tecnet1.jcte.jcs.mil>
Date: 19 Jun 90 21:27:37 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 38
Posted: Tue Jun 19 22:27:37 1990
Return-Path: <mgb@tecnet1.jcte.jcs.mil>
To: popyack@tops20.radc.af.mil

Let me know PLEASE if you get an answer! I have the same problem and have written him email on it. Also ftp'ed the file again just to make 100% sure that it didn't get damaged in transit... unlikely but I wanted to make absolutely sure. Same thing.

I am considering calling on the phone... I have no other replacement for the program and we now are counting on it.

Last ditch effort would be to take the data files after field day and write a routine to comma delimit them, or in some other way make them readable for DBASE or one of its many cousins.

What a bummer :-(

Mark Bitterlich
wa3jpy@wb4uou
mgb@tecnet1.jcte.jcs.mil
>The following is the message that was responded to.
>
>To: tecnet@tecnet-clemson.arpa
>From: POPYACK@TOPS20.RADC.AF.MIL
>Posted: Jun 18 15:27
>Cc:
>Subject: Field day software bugs
>
>I have tried the field day program (FIELDAY.ZIP) by Paul Cassel, VE3SY.
>It works well until I run the program to print the results. It hangs up
>all the machines I have tried it on. I would love to use this program for
>field day, but it is useless if it cannot print the results!
>
>Paul, if you are out there, send me a response to
>
>POPYACK@TOPS20.RADC.AF.MIL
>
>I have been unable to get mail to you. 73 Len WF2V
>-------
>

From 3745740967953660308
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,34c192f8a0fb0fa2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 15:08:25 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!cica!iuvax!
ux1.cso.uiuc.edu!midway!gary
From: gary@midway.uchicago.edu (gary buchholz)
Newsgroups: rec.ham-radio
Subject: Dubious quality of CQ review of AEA IsoLoop
Summary: Where's the beef!
Message-ID: <1990Jun19.220825.2911@midway.uchicago.edu>
Date: 19 Jun 90 22:08:25 GMT
Organization: University of Chicago Computing Organizations
Lines: 79
Posted: Tue Jun 19 23:08:25 1990

Just read the review of the AEA IsoLoop in the July CQ. Being interested in purchasing one the these antennas it was the first thing I read. . . but was pretty much disappointed with the "quality" of the review. The review seemed to me to be more of an advertisement for the IsoLoop than any kind of comparative critical analysis. Further, the "performance" characteristics of the IsoLoop were given as subjective judgements when in fact a quantitative comparison could have been used.

Here are some specifics...

A minor nit with AEA. . .

From the review it seems that to use the AEA IsoLoop you need "four-conductor control cable" that is not included in the package. It would seem that AEA could include such a trivial item without the buyer having to make another trip / phone-call / order to get this. What length to ship might be a problem. But, since the antenna is advertised to be "portable" (campsites, RVs, condos, etc) - some appropriate length consistent with these uses should be shipped.

X is better than Y - but whats Y ? . . .

The author compared the IsoLoop with his "old 20 meter" antenna and found a 2 to 4 S-unit difference between them on 14.105 - but he didn't say what kind of antenna he was comparing the IsoLoop to other than "old 20 meter". I think that when you say "X" is better than "Y" then you should tell us what "Y" is.

Propagation conditions or antenna - "It doesn't matter". . .

On transmit, the author seems to do a very unscientific comparison. Using the IsoLoop the author attempts a contact with a friend that he normally contacts through a node in southeast Arizona... he writes.. "There was a difference in the incoming signals that day, and the difference I was seeing Zip direct [not through the node]".

The author seems to confound the performance of the IsoLoop with propagation conditions. He didn't again try the contact with an antenna other than the IsoLoop. In fact, he writes this

> "Was it the conditions, or was it the antenna. IT DIDN'T MATTER.
> We were having fun batting it back and forth, discussing Hamcation
> at Orlando."   (Emphasis mine)

What kind of review is this - "It didn't matter" ?

Where's the hard numbers...

The author seems to make an uncontested virtue out of the very narrow/sharp bandpass. It seems to me that for receive and transmit one has to constantly adjust the antenna with the stepper motor. Depending how sharp this is, and how much deviation there is in S units across the tuning range and what kind of SWRs you can expect across the tuning range for different bands ... all this "tuning" could be a real bummer. The author never mentions any of this nor are there any hard numbers reported - like S unit ranges/comparison or any SWR performance data across bands.

So, I'm real disappointed with this review. Despite the review, I'm still interested in the IsoLoop and was wondering if anyone out there can do any better than this CQ "kid review" of the IsoLoop.

I'd like to know...

A S-unit comparison with a "known" other antenna. I just have a very simple 45ft dipole with traps. IsoLoop better than this ? What's the IsoLoop better than ?

Typical SWRs as a function of frequency. And maybe expected high/low SWR values across stepper motor tuning ranges within bands.

IsoLoop covers 14MHz-30MHz. Any possibility using this on outside this range (say 7Mhz) with an Antenna Tuner ?

The AEA IsoLoop is $319. I have a $100 dipole with 3 sets of traps. Is the IsoLoop better than what I already have ?

(I would of expected to derive the answer to this question from the CQ review - but I didn't. . .)

Thanks,
Gary

From 8268876539703104166
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,66ad2ca3e204bd1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 15:27:03 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: QSL'ing
Message-ID: <9006192353.AA08869@ti.com>
Date: 19 Jun 90 22:27:03 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Tue Jun 19 23:27:03 1990

I agree with Ron Todd (no relation) that you should keep your address current. I recently received one of my cards back from an address that had an irate note to the postmaster that the individual had not lived at the address for YEARS, and she kept receiving the cards and other mail. I got the address from the 1989 callbook. So the individual is either still alive, or I QSO's with a bandit who is just using the guy's call.

73,
Dube Todd   N5PDK

From -6785522022071251043
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8fc74d49ed76fbdc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-19 15:29:34 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!ubc-cs!alberta!adec23!aunro!atha!lyndon

From: lyndon@cs.AthabascaU.CA (Lyndon Nerenberg)
Newsgroups: rec.ham-radio
Subject: Re: New Canadian Satellite Repeater?
Summary: Well, sort of ...
Message-ID: <1948@aurora.cs.athabascau.ca>
Date: 19 Jun 90 22:29:34 GMT
References: <1324@nyx.UUCP>
Organization: Athabasca University
Lines: 36
Posted: Tue Jun 19 23:29:34 1990

In article <1324@nyx.UUCP> whester@nyx.UUCP (William R. Hester) writes:
>Stop the press! Just heard today on Newline (old Westlink Report) that
>the hams in Canada now have a satellite repeater that covers the entire
>country. Is this correct? How does it work in practice? Please
>post more info ASAP.

Geez, you Americans get so HYPER ... :-)

What you're hearing about is IPARN - a group of people working on building a voice (and digital, someday) repeater network that will cover most of the populated areas of the country.

The first step was completed last week when repeaters in British Columbia (VE7) were linked with a repeater network in southern Alberta (VE6) via the Anik D3 (?) satellite and a series of UHF point-to-point relays. Unfortunately, they were a bit optimistic about the UHF link budgets. On one of the links an increase in air temperature over the path introduces enough attenuation to make the link unusable. When the temperature drops, the UHF link improves, but the Ku band satellite link degrades. (I might have this backwards but you get the idea). Right now the link only works within a fairly narrow temperature range.

I was in Victoria/Vancouver last week and had a chance to try it out. As per usual Murphy was traveling with me so nothing worked. The Vancouver end of the link is on 147.06+. Give a call there for more information. The Alberta contact is VE6AMC. You might catch him on the Alberta Public Service Net at 1830MDT on 3770 (or there abouts) weeknights. Or try the Trans Canada net Saturdays at 1800Z on 14140 (W's dust off your keyers :-)

--
Lyndon Nerenberg VE6BBM / Computing Services / Athabasca University
{alberta,cbmvax,mips}!atha!lyndon || lyndon@cs.athabascau.ca
Practice Good Government
Use A Kingdom

From 1523270187934395105
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,89c84da0b91c19a6
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-06-19 15:35:26 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!decwrl!bacchus.pa.dec.com!shlump.nac.dec.com!shodha.dec.com!nfinit!djf
From: djf@nfinit.enet.dec.com (Dale J. Frederick)
Newsgroups: rec.ham-radio
Subject: Re: 20 meter mess
Message-ID: <1367@shodha.dec.com>
Date: 19 Jun 90 22:35:26 GMT
References: <329@e2big.enet.dec.com>
Sender: news@shodha.dec.com
Reply-To: djf@nfinit.enet.dec.com (Dale J. Frederick)
Organization: Digital Equipment Corporation
Lines: 30
Posted: Tue Jun 19 23:35:26 1990

If the FCC is really doing anything, I doubt they would be talking about it publically. As participants in this hobby, there is nothing that we really have legal power to do, other than complain to the FCC, or to the operator who is misbehaving (assuming someone else is not using their call).

I do however agree that the garbage heard on the Nets and DXpeditions on all of our heavily used bands is getting way out of hand, and will probably cost us some of our precious frequency allocations in the future. I even avoid tuning across 20 or 80 with a prospective new ham in the shack listening because of the illegal activities that are quite often taking place.

We are supposed to be "self policing" in many of these matters. I however feel helpless when I hear this kind of stuff going on. As any on the air response to these activities is only an acknowlegement to their (the jammers, etc.) effectiveness in having disrupted the Net or DXpedition.

Anyone have any ideas, or know what is proper procedure in these kinds of matters?

/dale

```
+-----------------------------------------------------------------------------+
| Dale J. Frederick -- KB5IY           | djf@nfinit.enet.dec.com              |
| Digital Equipment Corporation        |                                      |
| Albuquerque NM                       |                                      |
+-----------------------------------------------------------------------------+
```

From -4970216522308505353
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,147706227b181a79,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-14 16:39:41 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!usc!zaphod.mps.ohio-

```
state.edu!mips!pacbell.com!pacbell!att!cbnewsd!polo
From: polo@cbnewsd.att.com (mark.b.colosia)
Newsgroups: rec.ham-radio
Subject: IC 751A Mods
Keywords: HF, ICOM, modifications
Message-ID: <1990Jun14.233941.21457@cbnewsd.att.com>
Date: 14 Jun 90 23:39:41 GMT
Organization: AT&T Bell Laboratories
Lines: 7
Posted: Fri Jun 15 00:39:41 1990
```

I am interested in any modifications for the ICOM 751A hf-transceiver.
If you know of any, I would appreciate any suggestions that you may have.

thanks in advance.

```
-------------------------------------------------------------------------
Mark Colosia                          at&t bell labs, naperville, IL, usa
UUCP: att!iceland!polo                     work: 708-713-4955;
```

```
From -2698713775106450437
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64101f0c7d9228f2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-14 17:35:10 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-
state.edu!sdd.hp.com!hplabs!hpda!hpcupt1!hprnd!dblake
From: dblake@hprnd.HP.COM (Dan Blake)
Newsgroups: rec.ham-radio
Subject: Re: Battery Charge Info Wanted
Message-ID: <1140035@hprnd.HP.COM>
Date: 15 Jun 90 00:35:10 GMT
References: <7120126@hpcupt1.HP.COM>
Organization: HP Roseville Networks Division
Lines: 21
Posted: Fri Jun 15 01:35:10 1990
```

jholly@hpcupt1.HP.COM (Jim Hollenback) writes:

> I would like to get the charge verus voltage figures for a lead-acid
> wet cell. Five points, 0%, 25%, 50%, 75%, and 100% will be adequate.
> Thanks and 73's
> Jim, WA6SDM

I'm sorry to be the bearer of bad news, Jim, but the data you are looking for doesn't exist. To be sure, a lead-acid battery does exhibit a *slight* decrease in cell voltage as it discharges, but the specific values depend on battery age, cycle history, maintenance history, etc. Your only hope would be to characterize each individual battery of interest to you. And then, those numbers would only be valid while the battery was at chemical equilibrium with no load.

The best (and sometime only) way to determine the state of charge of a lead-acid wet cell is to measure the specific gravity of the electrolyte.

Best regards,
Dan Blake
<dblake@hprnd.hp.com>

From 4675122186181269957
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c587bcbe825e278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-14 18:10:01 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!uakari.primate.wisc.edu!
dali.cs.montana.edu!ogicse!emory!mephisto!rutgers!cunixf.cc.columbia.edu!gp15
From: gp15@cunixf.cc.columbia.edu (Gerald Pulver)
Newsgroups: rec.ham-radio
Subject: Re: "X" callsigns (was: Re: USA ham call words -corrected)
Message-ID: <1990Jun14.171848.24941@cunixf.cc.columbia.edu>
Date: 14 Jun 90 17:18:48 GMT
References: <andreap.645128686@s.ms.uky.edu> <7856@pitt.UUCP>
<14104@burdvax.PRC.Unisys.COM> <30772@cup.portal.com>
Reply-To: gp15@cunixf.cc.columbia.edu (Gerald Pulver)
Organization: Columbia University
Lines: 6
Posted: Thu Jun 14 18:18:48 1990

In article <30772@cup.portal.com> Bill_A_Morgan@cup.portal.com writes:
> I have one of those *X* calls - and I'm still trying to think of some
>mnemonics for X*G*X - but it sounds kinda neat on a key.....
>Bill N6XGX

XeroGraphic Xylophones ?

From 7584858171700943638
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14e9780aab78e234
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-14 18:11:59 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!jarthur!elroy.jpl.nasa.gov!jato!
cduncan
From: cduncan@jato.Jpl.Nasa.Gov (Courtney Duncan N5BF)
Newsgroups: rec.ham-radio
Subject: Re: DOVE
Message-ID: <4066@jato.Jpl.Nasa.Gov>
Date: 14 Jun 90 18:34:57 GMT
References: <1990Jun13.223601.17459@tc.fluke.COM>
Reply-To: cduncan@jato.Jpl.Nasa.Gov (Courtney Duncan N5BF)
Organization: Jet Propulsion Laboratory, Pasadena, CA
Lines: 9
Posted: Thu Jun 14 19:34:57 1990

>Has anybody head DOVE on 2m lately?

Dove has not been transmitting on two meters since late March. It is currently the top priority of the microsat software development team and may be back on two meter FM as early as sometime next week. Meanwhile, listen for it on 2401.2205 MHz (+/- 100 KHz doppler shift). It has been transmitting there for weeks with no known problems.

73, Courtney, N5BF

From 1000123866904367756
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e9ea3759e6c653c0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-14 18:13:09 PST
Path: gmdzi!unido!mcsun!uunet!ncrlnk!ncrwic!encad!ensub!msjohnso
From: msjohnso@ensub.Wichita.NCR.COM (Mark Johnson)
Newsgroups: rec.ham-radio
Subject: Re: The bands are dead!
Message-ID: <351@ensub.Wichita.NCR.COM>
Date: 14 Jun 90 17:33:32 GMT
References: <1990Jun13.015147.4993@lopez.UUCP>
Reply-To: msjohnso@ensub.Wichita.NCR.COM (Mark Johnson)
Organization: NCR Corporation, Wichita, KS
Lines: 17
Posted: Thu Jun 14 18:33:32 1990
Keywords:Sun Blew Up Again...

My limited experience this cycle indicates that the bands are not really dead...in fact this is a much better peak than the last one, which was a real bust (smoothed max sunspot count of only 90 or so, monthly average; this one came out to about 150, as I recall reading somewhere). Solar flares do cause trouble, as you note, and we may well be past the peak. We can only hope it's going to be a bimodal this time...

BTW, my experience has been that except for disturbances, the bands always have some life to them...I've heard 10m openings during sunspot valleys that would surprise anybody. It seems that what really happens is that everybody says "cycle peak is over, p*ss on hamming", and doesn't even try.

--
Mark Johnson   WB9QLR/0   NCR Peripheral Products Division
Mark.Johnson@Wichita.NCR.COM   3718 N. Rock Rd.
(316) 636-8189   NAR #14025   Wichita, KS 67226

From 7232834076437690747
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,65e4646d1ef2e3e9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-14 18:22:49 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!

XEROX.COM!"hugh_davies.WGC1RX"
From: "hugh_davies.WGC1RX"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: CB in GB/11 meter bandits on 10 meters (again)
Message-ID: <900614-084047-7042@Xerox>
Date: 14 Jun 90 15:22:32 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Thu Jun 14 16:22:32 1990

In Vol 1 #22, philmtl!philabs!ttidca!sorgatz@uunet.uu.net (Avatar) writes;

<... Soooo...it's happening in the UK too! Well Hugh, it *could* be worse...
..I mean at least the bootleggers over there all speak English, here they
all speak SPANISH! ;-) Heheheh! Time for t-hunts, time to write down some
addresses..start harrassing 'em back!...>

Nice idea. Unfortunately most of the "bootleggers" actually speak Italian, not because the UK has a large Italian bootlegger population, but because Italy has a *HUGE* CB community, and with 10 meter propagation the way it is, they are usually 50 over 9 here. Most of them are running about 5kW erp to talk to their friends 2 miles away. Why do you think most of the CB "linears" available are made in Italy?

73, Hugh, G0CNR.

From 242719587929137024
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2f7008a95f89d285,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-14 19:44:06 PST
Path: gmdzi!unido!mcsun!ukc!warwick!covpoly!esf100
From: esf100@cck.cov.ac.uk (Pierre BESSON)
Newsgroups: rec.ham-radio
Subject: Pro-2010 VHF-UHF scanner service manual needed (France or UK)
Keywords: scanners
Message-ID: <1990Jun14.124517.19064@cck.cov.ac.uk>
Date: 14 Jun 90 12:45:17 GMT
Followup-To: e-mail
Distribution: eunet
Organization: C.P.S.U. Radio & Electronics Society
Lines: 10
Posted: Thu Jun 14 13:45:17 1990

Would you be kind enough to let me know
if you own a copy of the above document ?

Thanks in anticipation.

--

```
****      EAN/X.400 : esf100@cck.cov.ac.uk (Pierre BESSON) (G0/FD1NMR)    ****
****  Room G14.4 Priory Halls of residence Priory street COVENTRY CV1 5FB ****
****  Adress in France : 05 av Ed Herriot 38500 VOIRON tel : +33 76658003 ****
```

```
From 6160228345487969751
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c974e91d4756b1e7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-15 00:31:45 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Call for Comment, CB "Traffic Advis
Message-ID: <30500572@ux1.cso.uiuc.edu>
Date: 15 Jun 90 03:35:00 GMT
References: <7605@pbhyf.PacBell.COM>
Lines: 12
Nf-ID: #R:pbhyf.PacBell.COM:7605:ux1.cso.uiuc.edu:30500572:000:491
Nf-From: ux1.cso.uiuc.edu!phil    Jun 14 22:35:00 1990
Posted: Fri Jun 15 04:35:00 1990
```

> You have this backwards. UPS already stole the 220 Mhz band. A
> Portland, Ore. HAM proposed PELTS, which was approved, and he 'STOLE'
> one of the 220 Mhz frequencies back from UPS.

Nope...

Aerotron stole the 220 Mhz band and SOLD it to the first buyer willing to
help them do it, then a ham proposed PELTS which is TEN channels.

```
--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.
```

```
From 4938902559389924689
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e8919c22b389dee,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-15 02:14:30 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!
ucbvax!TAMVENUS.BITNET!RDW2030
From: RDW2030@TAMVENUS.BITNET
Newsgroups: rec.ham-radio
Subject: ...
Message-ID: <9006150703.AA02478@ucsd.edu>
Date: 15 Jun 90 07:03:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Fri Jun 15 08:03:00 1990
```

Ok... last time... this is your brain on info-hams...

```
ASDGLKJ#$^()*ERGIOGEGHPOIW$%IPO^&R}{P}{|}{O^%Y#PIOJ@W#%$PYOJW$P%OYJ$W%Y
@$OK@%TOPJK@#$T%JOP#Q$OTJPOJP:OJ|POJ}PO|J|POJP:_&^(OJ$%W^OPJ@#Q$%POJ$#%
```

etc. etc. for 50K...

Please please PLEASE don't post programs as mail messages to info-hams!! It's just a machine! It doesn't have the sense to put it at the end of the mailing, or even in a separate mailing! It sticks it in there like ANY OTHER MAIL MESSAGE... and then you have to scroll through 20 screens at 2400 (or faster if you're at work) before you realize that it's not going to end any time soon. Then you have to extract it to a file and jump to the end to read the messages that come after the program!

ACK!

Logger12 could have been uploaded via FTP to some site. If you don't have FTP, I'm sure something else could have been arranged. I hope I'm not the only one that thinks this was a bit uncalled for. On the VAX you read things ONE SCREEN AT A TIME... and it costs a lot more than a dime!

KB5III

From -5313392765121592502
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,68795d2d1aeccc7d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-15 02:54:16 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!mintaka!snorkelwacker!tut.cis.ohio-state.edu!ucbvax!TAMVENUS.BITNET!RDW2030
From: RDW2030@TAMVENUS.BITNET
Newsgroups: rec.ham-radio
Subject: Yaesu Sigmasizer 200R
Message-ID: <9006150840.AA05867@ucsd.edu>
Date: 15 Jun 90 08:40:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 22
Posted: Fri Jun 15 09:40:00 1990

I have this old mobile rig from the good ol' days of crystals. It's the Yaesu Sigmasizer 200R. A 2m rig with about 50 crystals in it! Looking back in some old QSTs, it seems to be from about 1975. This rig was thrown in with the deal a couple o' years ago when I bought my Drake TR-4C.

The radio works excellently, with the exception of a couple frequencies. This may just be bad crystals, but I would like to ask if anyone has the manual and/or schematic for one of these. It's a great rig, and I plan on using it until I can afford something better (and after that I'll still use it for SOMETHING!).

Also... you Drake owners out there... how about letting me know if you have any mods for the Drake TR-4C. Also, I would like to know what the optional 34PNB noise blanker was made of (ie-could I make one myself or will I have to find this at a swap fest?). There is simply a jumpered tube-socket where this blanker goes.

Thanks for the help and please post to the list, because I am in the middle of account switching!

Mark Lowe - KB5III

From 2030249972025796222
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c79e8dac64aa236,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-15 07:04:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!usc!rutgers!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Where the 2 callsigns are
Message-ID: <38062@cci632.UUCP>
Date: 14 Jun 90 17:08:47 GMT
Reply-To: cep@ccird7.UUCP (Christopher Piggott - 911 engineering)
Organization: Computer Consoles Inc. an STC company, Rochester, NY
Lines: 7
Posted: Thu Jun 14 18:08:47 1990

With the perpetual discussion about where the callsigns are, I should throw in that I just got my new call, and it is WZ2B, and it took 6 weeks (upgrade). Also, I have learned that N2KKK was skipped, so the FCC list of 'exceptions' (callsigns not to give out) apparently works :-)

--Chris

From 339594937894059908
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6fcd536eb243e49,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-15 07:12:42 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!cs.cciw.ca!U009
From: U009@cs.cciw.ca
Newsgroups: rec.ham-radio
Subject: Gel-CELL recovery
Message-ID: <5A060F0811360201-MTACY830*U009@cs.cciw.ca>
Date: 15 Jun 90 13:28:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU

Organization: The Internet
Lines: 20
Posted: Fri Jun 15 14:28:00 1990

Larry was asking about the possibility of recovering Gel-Cells. I have not had much luck with totally discharged cells. The Gates application book I have indicates cells should be re-charged if the cell voltage drops to 1.8 or 1.6 volts(I can't remember exactly) after sitting on the shelf. During actual discharge, the voltage can be permitted to fall to lower values as long as the cells get re-charged reasonably quickly.
Some cells will pass current with very high voltages (40 or more) and can be partially recovered, but not completely. The cause is apparently insoluble lead salts forming a high resistance in the cell if it remains in a discharged condition for too long. This is probably irreversable.

All that said, I am looking for a couple of BC cells in reasonable condition (2 volts, 25 AH) and reasonable price to complete a 14 volt battery. If you have a lead for me (or a lead cell- hi hi), please write.

Regards, Stu Beal, VE3MWM, (U009@CS.CCIW.CA),
National Water Research Institute,
Burlington, Ontario, Canada.

The future lies ahead. And behind us lies, lies... lies.

From -5137434698361027033
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38d0080cff917e06,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-15 07:34:00 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!jle
From: jle@hpfcdc.HP.COM (Jer Eberhard)
Newsgroups: rec.ham-radio
Subject: YAESU FT-411 MOD, please help!
Message-ID: <7880152@hpfcdc.HP.COM>
Date: 14 Jun 90 15:16:29 GMT
Organization: HP Ft. Collins, Co.
Lines: 17
Posted: Thu Jun 14 16:16:29 1990

Announcing new HAM!!   WB0GPX

My friend bought the Yaesu FT-411 handheld.

I confess, I haven't been following the posts about how to access the MODS database. The current set of information on my system doesn't contain any info on the MODS database.

Please post how to get to MODS, or how to mod the FT-411.

Thanks,

Jer/ Eberhard, (SLASH), HAM = N0FZD | Hewlett-Packard - MS99, 1UP10, 15' East
CAP SAR Pilot, COMM,INST,CFI-GLIDER | 3404 East Harmony Road (303) 229-2861
UUCP:hplabs!hpfcla!jle | Fort Collins, Colorado 80525-9599
ARPA:jle%hpfcla@hplabs.HP.COM

From -8183257964907045802
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38d0080cff917e06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-15 07:34:23 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!usc!samsung!uakari.primate.wisc.edu!
sdd.hp.com!hplabs!hpfcso!hpfcdc!ajs
From: ajs@hpfcdc.HP.COM (Alan Silverstein)
Newsgroups: rec.ham-radio
Subject: Re: YAESU FT-411 MOD, please help!
Message-ID: <7880153@hpfcdc.HP.COM>
Date: 14 Jun 90 18:43:07 GMT
References: <7880152@hpfcdc.HP.COM>
Organization: HP Ft. Collins, Co.
Lines: 12
Posted: Thu Jun 14 19:43:07 1990

> Announcing new HAM!! WB0GPX

Thanks, Jer/. As you are the mentor who said "never let 'em get your
call wrong", I must correct you, it's: KB0GPX/KT

> My friend bought the Yaesu FT-411 handheld.

...for which I have been sufficiently berated by ICOM-owning friends. ;-)

> Please post how to get to MODS, or how to mod the FT-411.

My question exactly. :-) Thanks, Jer/.

From 5314755967013960924
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,44a853bfb27dfb3c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-15 08:17:00 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!
torsqnt!tmsoft!masnet!canremote!greg.trice
From: greg.trice@canremote.uucp (GREG TRICE)
Newsgroups: rec.ham-radio
Subject: RECEIVER
Message-ID: <79e293ca92ee2679180c@canremote.uucp>
Date: 15 Jun 90 15:17:00 GMT
Organization: Canada Remote Systems Limited, Mississauga, ON, Canada
Lines: 17

Posted: Fri Jun 15 16:17:00 1990

-> >Sensitivity of 0.5 uV
-> >Ability to withstand 1000V pulses on input without blocking or
-> damage.
->
-> This sounds a lot like a receiver with a Blocking Dynamic Range of
-> over 180dB. If such a receiver is found, Greg, let us know...and let
-> us know the price.
->
-> 73, Dube Todd N5PDK
Perhaps I phrased this badly. The receiver does not have to FUNCTION with 1000 volt input, merely not be damaged by it, and to recover immediately (in a few microseconds) as soon as the overload is removed. Most commercial receivers I have tried either suffer damage or block for several seconds following a gross overload. The signal I am looking for occurs in the few milliseconds following the overload. I think a tube front-end is probably essential - probably related to the electronic t/r switches used by some CW operators to achieve instant break-in.

From -8496160433222338572
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e9ea3759e6c653c0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-15 09:13:36 PST
Path: gmdzi!unido!mcsun!sunic!chalmers!afs-news!utc.chalmers.se!bernerus
From: bernerus@utc.chalmers.se (Christer Bernerus)
Newsgroups: rec.ham-radio
Subject: Re: The bands are dead!
Keywords: Sun Blew Up Again...
Message-ID: <1990Jun15.085938.23633@afs-news.utc.chalmers.se>
Date: 15 Jun 90 08:59:38 GMT
References: <1990Jun13.015147.4993@lopez.UUCP> <8507@crdgw1.crd.ge.com>
Sender: news@afs-news.utc.chalmers.se (News System)
Reply-To: bernerus@utc.chalmers.se (Christer Bernerus)
Organization: Chalmers University of Technology
Lines: 16
Posted: Fri Jun 15 09:59:38 1990

Must have been another flare on June 14, at least we had a good aurora opening here in Europe (well, that's on 2m). The band was, from here, wide open down to northern F and OK at least until about 18UT.

Btw, not all hams swear about solar flares. HI. If you get tired of those dead HF bands, get yourself 100 watts, 10 elements and CW on 2m and have some fun! (Apology to all of you that live too near the equator)

Chris.

Christer Bernerus (SM6FBQ)   ! E-mail: bernerus@{cs,utc}.chalmers.se

Chalmers University of Technology   ! Phone: +46 31 721000
Department of Computer Science   ! LOC: JO67BQ
S-412 96 Gothenburg, SWEDEN

From -420877676948276943
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64101f0c7d9228f2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-15 09:15:37 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcupt1!hprnd!hprpcd!!stan
From: stan@.HP.COM (Stan Witherspoon)
Newsgroups: rec.ham-radio
Subject: Re: Battery Charge Info Wanted
Message-ID: <15780004@.HP.COM>
Date: 15 Jun 90 16:15:37 GMT
References: <7120126@hpcupt1.HP.COM>
Organization: HP, Systems Technology Div., Roseville, Ca.
Lines: 31
Posted: Fri Jun 15 17:15:37 1990

My Gates manual shows the following voltages. The line is linear, so any other points are easy to calculate. Gates notes that the actual state of charge will be within 5% of the chart if the battery has not been charged or discharged for 24 hours.

Charge	0	25%	50%	75%	100%
Cell voltage	1.975	2.025	2.075	2.125	2.175

Note that this is open circuit voltage. The actual discharge characteristics are also relatively linear (except at the end!), but both of these voltages are temperature dependent. The Gates data sheet shows that the capacity varies from 50% of nominal at -40 deg C to 103% of nominal at 60 deg. C (nominal is at 25 deg. C). Most of my experience has been with the Gates batteries, so other batteries may have different characteristics. You might try writing to to the manufacturer of your battery for a data sheet.

stan

```
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
~  Stan Witherspoon            ~      Disclaimer      ~
~  Systems Technology Division ~~~~~~~~~~~~~~~~~~~~~~~~
~  Hewlett Packard Company     ~ These are my         ~
~  8010 Foothills Blvd.        ~ personal opinions    ~
~  Roseville Ca. 95678         ~ and do not represent ~
~  Phone: (916) 785-5071       ~ the views of anyone  ~
~  RF: N6SCE                   ~ or anything else     ~
~  Email: ucbvax!hplabs!hprpcd!stan                   ~
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
```

From 6784369305022149684
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c587bcbe825e278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-15 12:29:01 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!ttidca!sorgatz
From: sorgatz@ttidca.TTI.COM (Avatar)
Newsgroups: rec.ham-radio
Subject: XYZ suffix callsigns (was: Re: "X" callsigns)
Message-ID: <17882@ttidca.TTI.COM>
Date: 15 Jun 90 03:40:35 GMT
References: <7856@pitt.UUCP> <5540036@hpccc.HP.COM>
Organization: Citicorp/TTI, Santa Monica
Lines: 12
Posted: Fri Jun 15 04:40:35 1990

In many articles (Ross Wille and others) writes:
{a bunch of stuff about x series calls}

Funny, I noticed a strange anomoly...no XYZ calls! Anywhere..my call book is on "oldie"..1989..? Someone said that the reason was that those calls were reserved for advertising...?? Anyone else?

```
-Avatar-> (aka: Erik K. Sorgatz) KB6LUY           +-------------------------+
Citicorp(+)TTI                              *----------> panic trap; type = N+1 *
3100 Ocean Park Blvd. Santa Monica, CA  90405     +-------------------------+
{csun,philabs,psivax,pyramid,quad1,rdlvax,retix}!ttidca!sorgatz **
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR IT'S MANAGEMENT!)
```

From -8522823671722653362
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a2a2ae7c45f8daf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-15 14:25:22 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!bionet!hayes!usenet
From: fnddr@acad3.fai.alaska.edu
Newsgroups: rec.ham-radio
Subject: 440 MHz filtering
Message-ID: <1990Jun15.175251.4080@hayes.fai.alaska.edu>
Date: 15 Jun 90 17:52:51 GMT
Sender: usenet@hayes.fai.alaska.edu (J Random USENET)
Organization: University of Alaska Fairbanks
Lines: 14
Posted: Fri Jun 15 18:52:51 1990

We need a filter for a low-noise preamp in the 440 MHz range. Mostly it needs to have a flat passband about 5 MHz wide, and steep rolloff, especially on the low end. Can anybody suggest a solution that is more clever than your standard LC configurations? Sharper cutoff, less insertion loss?

I'd like to find some good books dealing with VHF/UHF design techniques...
my library covers HF and microwaves but has quite a hole in between.
Suggestions are welcome.

Thanks,
Don Rice KL7JIQ   Internet: fnddr@acad3.fai.alaska.edu
Geophysical Institute   E-mail: fnddr@alaska.bitnet
University of Alaska   Phone: (907) 474-7569
Fairbanks, AK 99775   Loran: 64.86N 212.16E

From 8796870733797718051
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c635a2704a0818fd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-15 15:07:51 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Call for Comment, CB "Traffic Advisory Channel" petition
Message-ID: <7880154@hpfcdc.HP.COM>
Date: 15 Jun 90 22:07:51 GMT
References: <7605@pbhyf.PacBell.COM>
Organization: HP Ft. Collins, Co.
Lines: 15
Posted: Fri Jun 15 23:07:51 1990

Rather than petitioning the FCC for new regulations that cannot be enforced, the users of CB need to arrive at a "gentlemen's agreement" about an advisory channel. I would think 19 (or 9 if it is life-threatening) are already for this purpose.

This presupposes that a traffic advisory channel is effective. I suggest attempting to hold a "traffic net" on a particular channel, plus advertisements on other channels. It may be that nobody has their CBs turned on !

Frankly, I'd be surprised if the anarchists on CB would allow such a useful service.

Perry Scott
KF0CA

From 8132541284852818445
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a2a2ae7c45f8daf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-15 16:18:26 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!elroy.jpl.nasa.gov!jato!cduncan
From: cduncan@jato.Jpl.Nasa.Gov (Courtney Duncan N5BF)

Newsgroups: rec.ham-radio
Subject: Re: 440 MHz filtering
Summary: Tried Cans?
Message-ID: <4078@jato.Jpl.Nasa.Gov>
Date: 15 Jun 90 18:46:59 GMT
References: <1990Jun15.175251.4080@hayes.fai.alaska.edu>
Reply-To: cduncan@jato.Jpl.Nasa.Gov (Courtney Duncan N5BF)
Organization: Jet Propulsion Laboratory, Pasadena, CA
Lines: 11
Posted: Fri Jun 15 19:46:59 1990

In article <1990Jun15.175251.4080@hayes.fai.alaska.edu> fnddr@acad3.fai.alaska.edu writes:

>We need a filter for a low-noise preamp in the 440 MHz range. Mostly it
>needs to have a flat passband about 5 MHz wide, and steep rolloff, especially
>on the low end. Can anybody suggest a solution that is more clever than
>your standard LC configurations? Sharper cutoff, less insertion loss?

In metropolitan areas (like L. A.) weak signal VHF and UHF users (satellite operators) often use cans. There are cans (duplexers, single filters, etc.) for 440 MHz. Have you considered these? They are very sharp.

Courtney, N5BF

From 5862396229493732930
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b45c77688540a80d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-15 16:20:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!bionet!apple!sun-barr!newstop!texsun!waveguide.central.sun.com!mwester
From: mwester@waveguide.central.sun.com
Newsgroups: rec.ham-radio
Subject: Are there Weather Radar Feeds?
Message-ID: <244@texsun.Central.Sun.COM>
Date: 15 Jun 90 17:44:33 GMT
Sender: news@texsun.Central.Sun.COM
Reply-To: mwester@waveguide.central.sun.com ()
Organization: Sun Microsystems, Inc. Mt. View, Ca.
Lines: 13
Posted: Fri Jun 15 18:44:33 1990

Our local cable company dropped the weather radar. I found that channel to be incredibly useful during (of course) bad weather, but also useful to alert me to band openings.

Does anyone know how the information from these radar sites is distributed? Has anyone have information on construction of equipment to receive this information?

Mike Westerhof   KA9WSB

```
Mike.Westerhof@Central.Sun.COM

#include <standard.disclaimer>


From -5808893994655668777
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e8919c22b389dee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-15 17:25:36 PST
Path: gmdzi!unido!mcsun!uunet!samsung!cg-atla!mason
From: mason@cg-atla.agfa.com (Bob Mason)
Newsgroups: rec.ham-radio
Subject: Re: ...
Message-ID: <8960@cg-atla.agfa.com>
Date: 15 Jun 90 16:53:39 GMT
References: <9006150703.AA02478@ucsd.edu>
Reply-To: mason@cg-atla.UUCP (Bob Mason)
Organization: Agfa Compugraphic Division
Lines: 17
Posted: Fri Jun 15 17:53:39 1990

In article <9006150703.AA02478@ucsd.edu> RDW2030@TAMVENUS.BITNET writes:
>
>Ok... last time... this is your brain on info-hams...
>
If you didn't use a brain dead news.reader this would not be a problem.

>
>KB5III
I knew K1III back in the 60's.  He ran an ice cream stand.

de K1JTP

--
   __              Anger is just love having a bad day
  /  )      /
 /--<   _  /_      Suffering is the sole origin of consciousness - Dostoyevski
/___/_<_/_<__/     {decvax, samsung}!cg-atla!mason


From 6330064377110327739
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c1ff89ee51515600
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-15 17:28:25 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!atha!tech
From: tech@cs.AthabascaU.CA (Richard Loken)
Newsgroups: rec.ham-radio
Subject: Re: Items for sale
Message-ID: <1942@aurora.cs.athabascau.ca>
Date: 15 Jun 90 21:10:48 GMT
References: <9006121728.AA26402@KRONOS.NISD.CAM.UNISYS.COM>
```

Organization: Athabasca University
Lines: 27
Posted: Fri Jun 15 22:10:48 1990

doug@NISD.CAM.UNISYS.COM (Doug Hardie) writes:

>Once again the number of for sale message has started to rise. Now that
>Arpanet is gone, does that mean that this is a commercial media for any
>commercial use I might desire?

>-- Doug   WA6VVV

This brings up an interesting caprice of the net. In the past when a for sale item showed up in the ham-radio group there were angry comments from the arpanet side and threats to close the gateway. Meanwhile on comp.os.cpm there are for sale articles on a daily basis but if a long source code file appeared there were angry comments from the Arpanet side and threats to close the gateway.

I have noticed the occasional long ham-radio posting in the past (yes even the occasional source listing) but they are greeted with nary a whimper.

What is the Arpanet policy? Is there a policy? Is this all dependant on the perspective of the gateway manager? So it appears out here in the land of little sticks.

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--
  Richard Loken VE6BSV                              : "If it doesn't copy Campy
  Athabasca University                              :  then its just a marketing
  Athabasca, Alberta Canada                         :  gimmick." - M. S. Lueke
  tech@cs.AthabascaU.CA {alberta|decwrl}!atha!tech :
```

From -4878840907457748806
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e00232d4d75f0a7c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,e00232d4d75f0a7c,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-06-15 17:31:30 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!uakari.primate.wisc.edu!nic.MR.NET!nic.stolaf.edu!thor.acc.stolaf.edu!buckij
From: buckij@thor.acc.stolaf.edu
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: INFO-HAMS
Message-ID: <671@nic.stolaf.edu>
Date: 15 Jun 90 13:46:52 GMT
Sender: news@nic.stolaf.edu
Reply-To: buckij@thor.acc.stolaf.edu bartsch@pnet51.CTS.COM
Followup-To: rec.ham-radio
Organization: St. Olaf College; Northfield, MN
Lines: 11
Xref: gmdzi rec.ham-radio:12186 rec.ham-radio.packet:2371

Posted: Fri Jun 15 14:46:52 1990

Hello,
I'm not yet a ham, but I have a friend who is and he asked me to post and find out something about info-hams for him. Unfortunately he is unable to read news, but he can send/receive mail. Could someone please send us information on info-hams, so this poor young lad can indulge in newsfeed on a regular basis? All input is appreciated.

Thank you,
Jonathan S. Bucki
(for Eric Bartsch, bartsch@pnet51.CTS.COM)

From 1267681305844047334
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,efd37d6d68fb7894
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-16 00:19:41 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9006160351.AA05853@ucsd.edu>
Date: 16 Jun 90 03:44:51 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 372
Posted: Sat Jun 16 04:44:51 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #708 -
Alouette 1
1 00424U 62B-A  1 90160.80442551  .00000193  00000-0  22226-3 0  3270
2 00424  80.4633 293.3522 0022606 294.0886  65.7886 13.67354373381683
ATS 3
1 03029U 67111  A 90161.63289382 -.00000074  00000-0  99999-4 0  3892
2 03029  13.1931  21.2785 0014019 209.6558 150.2526  1.00272612 82720
Cosmos 398
1 04966U 71 16  A 90165.33442527  .00093799  17460-4  52204-3 0  9211
2 04966  51.5118 246.1985 2273302 141.8257 236.7789 11.05692616591385
Starlette
1 07646U 75010  A 90159.46787825 -.00000035  00000-0  19740-4 0   835
2 07646  49.8222 192.8871 0206607 162.4566 198.2721 13.82138831774577
```

```
LAGEOS
1 08820U 76039  A 90155.11151443  .00000002  00000-0  00000 0 0   838
2 08820 109.8519 350.6475 0044611 240.8397 118.7855  6.38664271 73101
GPS-0001
1 10684U 78020  A 90162.45149942  .00000007  00000-0  99999-4 0  4331
2 10684  63.7300  89.7340 0117197 199.0955 160.4761  2.00557255 75733
GPS-0002
1 10893U 78 47  A 90161.92879515 -.00000025  00000-0  00000 0 0  1955
2 10893  64.3732 330.5959 0165447  25.8417 334.9873  2.00544988 88548
SeaSat 1
1 10967U 78064  A 90161.42428572  .00000604  00000-0  25192-3 0  3423
2 10967 108.0190 306.1985 0002644 260.7742  99.3104 14.35693858625483
GPS-0003
1 11054U 78093  A 90161.21922426 -.00000024  00000-0  00000 0 0  2341
2 11054  63.9140 326.9061 0060347 117.8957 242.7029  2.00567038 85540
Nimbus 7
1 11080U 78098  A 90158.25955896  .00000052  00000-0  63508-4 0  6781
2 11080  99.1944  63.4117 0009658 106.5035 253.7182 13.83435322586661
GPS-0004
1 11141U 78112  A 90163.31316602  .00000007  00000-0  00000 0 0  3864
2 11141  63.7118  89.5841 0060039 316.8576  42.6782  2.00557373 84288
GPS-0005
1 11690U 80 11  A 90156.47372252  .00000008  00000-0  00000 0 0  9863
2 11690  64.1661  91.8933 0117900 202.5365 156.8890  2.00555864 90008
GPS-0006
1 11783U 80 32  A 90161.26923246 -.00000024  00000-0  00000 0 0  1554
2 11783  63.7272 326.4784 0151631  60.6534 300.8459  2.00557947 74182
GOES 5
1 12472U 81049  A 90160.72993055 -.00000191  00000-0  99999-4 0  9366
2 12472   3.4597  76.0223 0002486 336.0928  27.8711  1.00221381 32152
DE 1
1 12624U 81 70  A 90161.78364331 -.00000094  00000-0 -80886-3 0  4514
2 12624  88.9709 147.9656 6202078 284.4373  17.7865  3.51015932261891
SME
1 12887U 81100  A 90163.10463564  .00037049  00000-0  64841-3 0  6934
2 12887  97.6349 210.2445 0002855  80.4771 279.6818 15.50530386480482
Salyut 7
1 13138U 82 33  A 90163.45529334  .00043115  00000-0  45538-3 0  3194
2 13138  51.6027 328.1900 0001226 204.4803 155.6220 15.63752866464110
Cosmos 1383
1 13301U 82 66  A 90161.44668413  .00000104  00000-0  11065-3 0  5787
2 13301  82.9289 305.7125 0026721 176.3506 183.7839 13.67830238396757
LandSat 4
1 13367U 82 72  A 90163.87147063  .00000079  00000-0  22470-4 0  3601
2 13367  98.1655 226.4835 0004140 129.5549 230.6045 14.57135348420670
IRAS
1 13777U 83  4  A 90160.33885088  .00000458  00000-0  34160-3 0  7812
2 13777  99.0271 357.2570 0014267  51.0510 309.1917 13.98793391 45840
Cosmos 1447
1 13916U 83 21  A 90160.11237820  .00000100  00000-0  99512-4 0  7285
2 13916  82.9439  18.0290 0037819 159.7342 200.5330 13.74043399361563
TDRS 1
1 13969U 83 26  B 90161.93672056  .00000125  00000-0  99999-4 0    57
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2 13969   4.6242  61.9790 0001428 240.6775 122.7368  1.00255821 93056
GOES 6
1 14050U 83 41  A 90161.87190339  .00000114  00000-0  99999-4 0  1888
2 14050   2.2090  78.3061 0001743 252.5770 106.7532  1.00288493 10205
OSCAR 10
1 14129U 83 58  B 90160.48774259 -.00000027  00000-0  00000 0 0  5280
2 14129  25.9994 200.1859 5961905 149.8173 264.9419  2.05881257 24571
GPS-0008
1 14189U 83 72  A 90161.80068102  .00000006  00000-0  99999-4 0  7741
2 14189  63.3585  88.0793 0147997 219.1468 139.7646  2.00705354 50634
LandSat 5
1 14780U 84 21  A 90163.89892208  .00000135  00000-0  35075-4 0  2187
2 14780  98.2058 224.0346 0000356 121.4485 238.6750 14.57114212334092
UoSat 2
1 14781U 84 21  B 90156.61567397  .00000860  00000-0  16760-3 0  7446
2 14781  97.9462 209.5469 0011698 287.2040  72.7880 14.65389143334278
GPS-0009
1 15039U 84 59  A 90164.39762319  .00000006  00000-0  00000 0 0  9551
2 15039  63.0490  87.2221 0019918 239.3571 120.4585  2.00612562 43963
Cosmos 1574
1 15055U 84 62  A 90163.76118841  .00000109  00000-0  10506-3 0  8850
2 15055  82.9576  65.5772 0028074 339.3600  20.6407 13.73358668299461
GPS-0010
1 15271U 84 97  A 90164.30787364 -.00000024  00000-0  00000 0 0  8537
2 15271  63.1913 325.9335 0105573 327.1119  32.2652  2.00559758 41079
Cosmos 1602
1 15331U 84105  A 90164.55853605  .00002066  00000-0  28085-3 0  3093
2 15331  82.5389   4.2808 0023770 349.3484  10.7277 14.78155559307550
NOAA 9
1 15427U 84123  A 90165.21961954  .00000390  00000-0  23132-3 0  5920
2 15427  99.1671 164.9793 0015642  21.1307 339.0508 14.12591755283567
Cosmos 1686
1 16095U 85 86  A 90164.86116037  .00079578  00000-0  82557-3 0  6645
2 16095  51.6075 321.0789 0000750 284.5003  75.7349 15.63950524265436
GPS-0011
1 16129U 85 93  A 90164.49727841  .00000007  00000-0  00000 0 0  5482
2 16129  63.8809  88.1563 0122799 149.2266 211.5151  2.00510674 34284
Mir
1 16609U 86 17  A 90164.82563862  .00050055  00000-0  57642-3 0  7332
2 16609  51.6137 347.7347 0011372  34.2360 325.9585 15.61392351247572
SPOT 1
1 16613U 86 19  A 90165.04304367  .00001085  00000-0  52746-3 0  9811
2 16613  98.7337 239.5250 0001530 147.6443 212.4888 14.20048561 63485
Cosmos 1766
1 16881U 86 55  A 90165.02638854  .00003770  00000-0  52156-3 0   276
2 16881  82.5210  62.8981 0023977   2.4069 357.7249 14.77652013208684
EGP
1 16908U 86 61  A 90160.04851916 -.00000075  00000-0 -25510-3 0  2268
2 16908  50.0248 281.0160 0011516 166.9805 193.1359 12.44387361173845
NOAA 10
1 16969U 86 73  A 90165.32390073  .00000475  00000-0  22492-3 0  4413
2 16969  98.6019 193.3341 0012478 281.4238  78.5544 14.23632416194201
MOS-1
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1 17527U 87 18  A 90164.98667280  .00001038  00000-0  79865-3 0  5763
2 17527  99.1088 237.5802 0001471 114.3622 245.7797 13.94857755168817
GOES 7
1 17561U 87 22  A 90161.65641300  .00000079  00000-0  99999-4 0  5521
2 17561   0.0121 301.7081 0063038 358.7262  59.0452  0.99317656  5353
Kvant-1
1 17845U 87 30  A 90164.82560628  .00080923  00000-0  92401-3 0  1656
2 17845  51.6134 347.7332 0010815  32.8654 327.1643 15.61417386183627
DMSP B5D2-3
1 18123U 87 53  A 90165.22393486  .00000419  00000-0  23989-3 0  6092
2 18123  98.8195 355.8658 0015375  34.8046 325.4134 14.14053019153989
RS-10/11
1 18129U 87 54  A 90164.95867299 -.00000090  00000-0 -10583-3 0  2219
2 18129  82.9268 330.9120 0013025 124.3978 235.8400 13.72092852149006
Meteor 2-16
1 18312U 87 68  A 90163.84350850  .00000219  00000-0  18868-3 0  4368
2 18312  82.5504 293.7260 0011310 270.3251  89.6614 13.83651108142384
Meteor 2-17
1 18820U 88  5  A 90164.07684249  .00000113  00000-0  95443-4 0  2885
2 18820  82.5443 353.7293 0016652 341.5232  18.5270 13.84346044119617
DMSP B5D2-4
1 18822U 88  6  A 90165.31587192  .00000730  00000-0  35093-3 0  5102
2 18822  98.6458  44.4099 0005591 285.1078  74.9465 14.21462531122418
AO-13
1 19216U 88 51  B 90159.67587371  .00000063  00000-0  99999-4 0  1315
2 19216  56.9863 151.4377 6966655 228.8202  46.2038  2.09700013 15228
OKEAN 1
1 19274U 88 56  A 90165.01426603  .00001948  00000-0  27212-3 0  8227
2 19274  82.5154 161.5509 0023541 130.4716 229.8584 14.77008186104458
Meteor 3-2
1 19336U 88 64  A 90163.78370784  .00000391  00000-0  99999-3 0  5011
2 19336  82.5382 280.5406 0016914 328.9130  31.0929 13.16897489 90373
NOAA 11
1 19531U 88 89  A 90165.33192995  .00000888  00000-0  50939-3 0  2912
2 19531  98.9821 113.6372 0011113 295.3133  64.6886 14.11625036 88568
TDRS 2
1 19548U 88 91  B 90161.76543195  .00000114  00000-0  99999-4 0  1357
2 19548   0.0907  88.8162 0003705  26.8285 244.3580  1.00274699   211
Cosmos 2001
1 19796U 89 11  A 90164.20517070 -.00001023  00000-0  99999-4 0  5108
2 19796  63.2356  93.3785 7088505 319.9242   5.2057  2.00659456  9721
GPS BII-01
1 19802U 89 13  A 90157.48846768  .00000016  00000-0  99999-4 0  1318
2 19802  55.0571 197.8390 0055238 165.2883 194.9589  2.00642175  9537
Akebono
1 19822U 89 16  A 90164.59502005  .00035668  00000-0  24134-2 0  6397
2 19822  75.1144 240.6024 4178242 224.1230  93.9058  7.10780779 33170
Meteor 2-18
1 19851U 89 18  A 90164.04741426  .00000243  00000-0  20864-3 0  2364
2 19851  82.5207 231.7537 0016300  19.7446 340.4341 13.83982445 64993
TDRS 3
1 19883U 89 21  B 90162.00000000 -.00000234  00000-0  99999-4 0  1369
2 19883   0.1193  71.3863 0000120 162.1134 344.5358  1.00279466 74877
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GPS BII-02
1 20061U 89 44  A 90157.19570991 -.00000032  00000-0  00000 0 0  1376
2 20061  54.7543  16.2374 0086335 172.7547 187.4207  2.00485469  7273
Nadezhda 1
1 20103U 89 50  A 90163.80164745  .00000065  00000-0  62504-4 0  1378
2 20103  82.9597 288.2281 0039206  52.4232 308.0475 13.73594406 47119
GPS BII-03
1 20185U 89 64  A 90157.13918754  .00000016  00000-0  99999-4 0  1283
2 20185  54.9022 198.6985 0024309 159.3722 200.8240  2.00626333  5841
Activnyi
1 20261U 89 80  A 90164.81469156  .00000077  00000-0  22144-4 0  5500
2 20261  82.5956 230.7082 1257932 346.0856  10.8308 12.43750588 32177
Activnyi RB
1 20262U 89 80  C 90164.37712902  .00000495  00000-0  15177-3 0  2421
2 20262  82.5960 231.0353 1260979 347.2890   9.8964 12.43203967 32118
Magion 2
1 20281U 89 80  B 90164.86486638  .00003265  00000-0  10235-2 0  5497
2 20281  82.5941 230.6036 1257395 345.8324  11.0379 12.44011096 32188
GPS BII-04
1 20302U 89 85  A 90158.92932112 -.00000028  00000-0  99999-4 0  1328
2 20302  54.6414 317.4514 0032318 318.4744  41.2700  2.00374314  4682
Meteor 3-3
1 20305U 89 86  A 90163.65612208  .00000042  00000-0  97929-4 0  1426
2 20305  82.5530 221.1891 0015743 346.3592  13.7110 13.15859810 30356
COBE
1 20322U 89 89  A 90161.06310505  .00004304  00000-0  28270-2 0  1387
2 20322  99.0199 171.3415 0010224  34.0829 326.0985 14.02306878 28490
Kvant-2
1 20335U 89 93  A 90164.82562947  .00080620  00000-0  92037-3 0  2684
2 20335  51.6150 347.7357 0011347  33.6587 326.4943 15.61417433 31232
GPS BII-05
1 20361U 89 97  A 90156.17029847  .00000015  00000-0  99999-4 0   800
2 20361  54.9860 140.8057 0062556  46.6808 313.9547  2.00579991  3486
SPOT 2
1 20436U 90  5  A 90165.00802140  .00000928  00000-0  45418-3 0  2329
2 20436  98.7345 239.5452 0001354  80.0836 280.0523 14.20018653 20294
UO-14
1 20437U 90  5  B 90164.18410863  .00000610  00000-0  25872-3 0  1650
2 20437  98.6975 240.3067 0011625 161.6770 198.4834 14.28632237 20295
UO-15
1 20438U 90  5  C 90160.07428719  .00000165  00000-0  74071-4 0   935
2 20438  98.7055 236.1924 0010564 172.3979 187.7399 14.28373664 19709
PACSAT
1 20439U 90  5  D 90158.29152781  .00000382  00000-0  16757-3 0   836
2 20439  98.7019 234.5188 0011186 180.6504 179.4668 14.28730423 19450
DO-17
1 20440U 90  5  E 90160.38881602  .00000545  00000-0  23233-3 0   885
2 20440  98.7040 236.6199 0011891 172.3905 187.7455 14.28777289 19757
WO-18
1 20441U 90  5  F 90165.14016211  .00000409  00000-0  17744-3 0   891
2 20441  98.7035 241.3797 0012933 160.5777 199.5931 14.28879685 20433
LO-19
1 20442U 90  5  G 90164.50314377  .00000371  00000-0  16268-3 0   871
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2 20442  98.7034 240.7589 0013232 162.1532 198.0118 14.28947935 20340
GPS BII-06
1 20452U 90  8  A 90147.83563653  .00000001  00000-0  99999-4 0   755
2 20452  54.5567 256.8002 0028456  44.6049 315.6465  2.00875970  2439
MOS-1B
1 20478U 90 13  A 90164.87027449 -.00002269  00000-0 -16782-2 0  3019
2 20478  99.1889 235.1042 0001454  95.4969 264.6356 13.94844418 17679
DEBUT
1 20479U 90 13  B 90162.16250383  .00000004  00000-0  37772-4 0   794
2 20479  99.0403 209.8098 0541470  62.2494 303.2469 12.83156814 15971
FO-20
1 20480U 90 13  C 90160.13790314  .00000109  00000-0  29439-3 0   824
2 20480  99.0396 208.1632 0541985  66.8667 298.8596 12.83136875 15710
MOS-1B R/B
1 20491U 90 13  D 90164.52368062  .00000167  00000-0  36082-3 0   831
2 20491  99.0407 215.2885 0470880  40.0146 323.4696 13.02722910 15927
Soyuz TM-9
1 20494U 90 14  A 90164.88952142  .00069993  00000-0  80130-3 0  1647
2 20494  51.6162 347.4088 0010817  40.0527 319.4758 15.61412264 19156
LACE
1 20496U 90 15  A 90164.56551367  .00005696  00000-0  35137-3 0  1680
2 20496  43.0950 342.6319 0014753 323.5758  36.4141 15.10586208 17974
RME
1 20497U 90 15  B 90164.46645691  .00012752  00000-0  36094-3 0  1688
2 20497  43.1079 318.6900 0016631 315.3355  44.6296 15.36096706 18268
Nadezhda 2
1 20508U 90 17  A 90164.07609737  .00000092  00000-0  92991-4 0   919
2 20508  82.9544  62.9408 0045298 359.5898   0.5248 13.73213737 14442
OKEAN 2
1 20510U 90 18  A 90165.00390927  .00004097  00000-0  63065-3 0  1712
2 20510  82.5273 100.6598 0018094 287.4460  72.5074 14.73166675 15602
INTELSAT-6
1 20523U 90 21  A 90164.51322042  .00004611  00000-0  31926-3 0  1744
2 20523  28.3481 287.7142 0016174 148.6335 211.5287 15.03164905 13891
GPS BII-07
1 20533U 90 25  A 90161.92445237 -.00000032  00000-0  00000 0 0   482
2 20533  55.0522  16.1760 0013220  57.8524 302.0320  2.00566529  1471
Offeq 2
1 20540U 90 27  A 90164.57844551  .01265902 -68061-4  20085-2 0  1471
2 20540 143.1901 132.9928 0519627 245.2621 110.1231 15.05054592 10284
PegSat
1 20546U 90 28  A 90163.55857894  .00001389  00000-0  87912-4 0  1158
2 20546  94.1200 212.6440 0149726 349.9018   9.9725 15.00313125 10146
Palapa-B2R
1 20570U 90 34  A 90137.02166144 -.00000317  00000-0  99999-4 0   514
2 20570   0.0523  15.3218 0007680 110.1335 231.8008  1.00108506   295
1990 034B
1 20571U 90 34  B 90135.25637826  .00001978  00000-0  32479-3 0   554
2 20571  22.7504 176.4934 0628149 118.0040 248.5409 13.82067297  4332
1990 034C
1 20572U 90 34  C 90135.84989660  .00032231  00000-0  39037-2 0   491
2 20572  18.9297 347.9472 7375661 200.8035  96.7659  2.18270624   692
Cosmos 2074
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1 20577U 90 36  A 90136.03907435  .00000094  00000-0  93615-4 0   474
2 20577  82.9451 138.3064 0025496 217.6457 142.2914 13.73710956  3463
1990 036B
1 20578U 90 36  B 90142.63696705  .00000143  00000-0  13889-3 0   539
2 20578  82.9423 133.3810 0019220 181.1997 178.9117 13.75020736  4373
HST
1 20580U 90 37  B 90164.46937243  .00005409  00000-0  61247-3 0   916
2 20580  28.4698 273.2428 0005745  91.9520 268.1794 14.84442420  7422
Cosmos 2075
1 20581U 90 38  A 90144.24709396 -.00004275  00000-0 -17923-3 0   877
2 20581  74.0254 356.0235 0023185 277.7210  82.1092 15.23022306  4379
1990 038B
1 20582U 90 38  B 90142.57824248  .00024584  00000-0  98348-3 0   723
2 20582  74.0294 359.4297 0031040 293.1471  66.6509 15.24541833  4124
Molniya1-77
1 20583U 90 39  A 90144.15730607  .00000070  00000-0 -16867-2 0   793
2 20583  62.7982 183.9973 7353596 288.2139   9.5835  2.00619305   573
1990 039B
1 20584U 90 39  B 90144.83967752  .03903616  41472-4  10039-2 0  1048
2 20584  62.7619  78.2685 0067648 125.7776 235.2487 16.21902308  4540
1990 39D
1 20586U 90 39  D 90143.60954820  .00000419  00000-0  68663-3 0   226
2 20586  62.8248 184.0281 7395335 288.1806   9.3720  1.96420289   535
Cosmos 2076
1 20596U 90 40  A 90151.40303225 -.00001233  00000-0  79009-3 0   438
2 20596  63.0666 334.8186 7375665 318.5072   4.4103  2.00587266   669
1990 40B
1 20597U 90 40  B 90148.20589656  .39662252  43947-4  29451-3 0   822
2 20597  62.7886 226.6703 0013442 121.7004 238.9820 16.52106649  4698
1990 40D
1 20599U 90 40  D 90150.97163910 -.00000504  00000-0 -84377-3 0   296
2 20599  63.1771 334.5570 7351260 318.5828   4.4750  2.03474794   660
Cosmos 2077
1 20604U          90159.11959646 0.00895918  40743-4  30538-3 0   857
2 20604  62.8254 330.1747 0057360 101.0778 259.6824 16.20610237  5055
1990 043A
1 20607U 90 43  A 90154.58485080  .00001120  00000-0  20723-3 0   192
2 20607  89.8914 194.9155 0111658 193.2628 166.5623 14.60797763  3634
1990 043B
1 20608U 90 43  B 90163.07909590  .00000913  00000-0  16762-3 0   270
2 20608  89.8877 194.8050 0113706 163.3438 197.1583 14.60807011  4879
1990 043C
1 20609U 90 43  C 90163.07566110  .00002672  00000-0  49376-3 0   279
2 20609  89.8839 194.7899 0114374 163.6330 196.8641 14.61008848  4901
Cosmos 2078
1 20615U 90 44  A 90164.83377734  .00289155  69501-5  20522-3 0   837
2 20615  69.9860 336.2405 0058425  98.8162 262.0862 16.11896690  4743
Cosmos 2079
1 20619U 90 45  A 90164.41121750 -.00000015  00000-0  99999-4 0   444
2 20619  64.8778  39.1129 0021338 213.1652 146.7515  2.13111725   543
Cosmos 2080
1 20620U 90 45  B 90163.59060821 -.00000015  00000-0  99999-4 0   423
2 20620  64.8735  39.1499 0008428  36.0537 324.0642  2.13106645   533
```

```
Cosmos 2081
1 20621U 90 45  C 90163.17974895 -.00000015  00000-0  99999-4 0   344
2 20621  64.8958  39.1669 0011949 201.4501 158.5673  2.13103691   522
1990 045E
1 20623U 90 45  E 90163.20436945 -.00000015  00000-0  99999-4 0   259
2 20623  64.8823  39.1778 0014747 338.6120  21.3945  2.13414211   527
Cosmos 2082
1 20624U 90 46  A 90164.87971482  .00000396  00000-0  23694-3 0   355
2 20624  71.0013 317.3590 0004905  11.4611 348.6705 14.12173283  3208
1990 046B
1 20625U 90 46  B 90165.28612832  .00000008  00000-0  14867-4 0   143
2 20625  70.9992 316.4299 0016110 313.0544  46.9234 14.13305988  3267
RESURS-F
1 20632U 90 47  A 90164.82233651  .00093889  29426-5  14473-3 0   407
2 20632  82.3338   5.1094 0009706 271.1520  88.9515 16.04091927  2491
Kristall
1 20635U 90 48  A 90164.82563094  .00045885  00000-0  52924-3 0   406
2 20635  51.6140 347.7359 0011213  34.9887 325.1690 15.61390323  2113
1990 048B
1 20636U 90 48  B 90162.55779398  .18051505  61541-4  17570-3 0   359
2 20636  51.6162 355.7655 0006513 187.5550 172.8813 16.50721119  1691
ROSAT
1 20638U 90 49  A 90164.38348357  .00003862  00000-0  34852-3 0   133
2 20638  52.9885  67.1587 0014051 336.0685  23.9650 14.97606281  1712
1990 049B
1 20639U 90 49  B 90165.20499030  .00015469  00000-0  68022-3 0   122
2 20639  52.5173  55.2560 0074371 288.0161  71.2795 15.19593664  1872
1989 100N
1 20640U 89100  N 90164.84157702  .00302012  00000-0  12684-1 0   287
2 20640  73.5282 100.1213 0015575 186.1766 174.0874 15.21911966 25589
--
Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology
```

From 1878849062706387145
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e9ea3759e6c653c0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-16 00:37:59 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!helios.ee.lbl.gov!nosc!crash!simpact!jeh
From: jeh@dcs.simpact.com
Newsgroups: rec.ham-radio
Subject: Re: The bands are dead!
Message-ID: <1362.26790525@dcs.simpact.com>
Date: 15 Jun 90 22:56:21 GMT
References: <1990Jun13.015147.4993@lopez.UUCP>
Followup-To: rec.ham-radio
Organization: Simpact Associates, San Diego CA
Lines: 13
Posted: Fri Jun 15 23:56:21 1990
X-Local-Date: 15 Jun 90 15:56:21 PDT

In article <1990Jun13.015147.4993@lopez.UUCP>, flash@lopez.UUCP (Gary Bourgois) writes:
> The title says it all. I just sat down for a nice peaceful evening of a
> little SWL'ing and Hamming (I do both)... AND the bands are dead...at
> least up here in the aroural zone (Marquette, Michigan

I've been noticing this too for the past week or two. I'm in San Diego, about 30 deg. north latitude. If I'm lucky I can hear WWV on 15 MHz...

I'm surprised that no one else has commented.

--- Jamie Hanrahan, Simpact Associates, San Diego CA
Internet: jeh@dcs.simpact.com, or if that fails, jeh@crash.cts.com
Uucp: ...{crash,scubed,decwrl}!simpact!jeh

From 7414172791490129885
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cde50b2853a13297,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-16 00:53:53 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!TAMVENUS.BITNET!RDW2030
From: RDW2030@TAMVENUS.BITNET
Newsgroups: rec.ham-radio
Subject: ... revisited
Message-ID: <9006160526.AA08376@ucsd.edu>
Date: 16 Jun 90 05:26:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18
Posted: Sat Jun 16 06:26:00 1990

As I expected, I got some strong replies to my bitch about the uuencoded program stuck in the middle of info-hams digests... everyone seems to think I can just hit N and skip to the next entry... MY problem is that I wasnt to read what comes AFTER the program in the SAME digest! We have no means to undigestify, in other words.

Why can't we create a separate list for binaries? I know that is fairly standard practice. As one person said, posting them directly is a good way to see that more people can get them. I agree. But not in the middle of a digest.

What do you say, INFO-HAMS admin?? How about a separate list for programs? I'm all for the idea. I agree that it's a great way to distribute the programs! I would gladly subscribe. We have ftp, but others do not and I want everyone to have a shot at the software.

Mark Lowe - KB5III

From -6873018833539385546
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e0172e8d5e9f0159,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-16 00:54:09 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!TAMVENUS.BITNET!RDW2030
From: RDW2030@TAMVENUS.BITNET
Newsgroups: rec.ham-radio
Subject: Oh yeah...
Message-ID: <9006160527.AA08402@ucsd.edu>
Date: 16 Jun 90 05:27:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4
Posted: Sat Jun 16 06:27:00 1990

If you have a undigestify utility for VAX... DO please send it my way!!

MCL - KB5III

From 455615626164375597
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f0a498a918563f6c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-16 01:05:52 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!usc!ucsd!ucbvax!
TAMVENUS.BITNET!RDW2030
From: RDW2030@TAMVENUS.BITNET
Newsgroups: rec.ham-radio
Subject: 6JB6 worries false alarm in actuality
Message-ID: <9006160559.AA09192@ucsd.edu>
Date: 16 Jun 90 05:59:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Sat Jun 16 06:59:00 1990

A couple weeks ago, I requested info on sources for 6JB6s, since Drake wants $26 apiece for them. This was before I even bothered to look at the RF Parts ads in QST. They want a whopping...

$15 each. Not bad. And I was all worried!

Mark Lowe - KB5III

From 4620982445555586135
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7844f5e9c201b54f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-16 01:34:11 PST

Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: QSLing
Summary: bureau policy, check first
Message-ID: <829@ssc.UUCP>
Date: 16 Jun 90 02:48:54 GMT
References: <9006111248.AA22930@ucsd.edu>
Organization: very little
Lines: 68
Posted: Sat Jun 16 03:48:54 1990

In article <9006111248.AA22930@ucsd.edu>, lwrclmr@SACEMNET.AF.MIL ("LWRCLMR") writes:
> Ref QSL INbound bureaus.
>

Not knowing the going rates for this
> service I sent a letter to the Willamette Valley DX Club (W7 bureau per the
> CallBook) along with a check for $20.00. They did not hesitate to cash my
> check, but I never heard from them again.

This was a mistake on your part. They probably thought it was a donation to the club. They need 5x7.5 inch SASEs with your call in block letters in the upper left hand corner. They also apreciate donations.

When I left the island a few
> months later and moved to Michigan, I sent them a change of address and
> waited for cards. I had been told by someone that cards can take a long
> time, so I waited patiently. During that year on the island I had worked
> around 1500 DX stations and sent cards to the foriegn bureaus for most of
> them. After a year, I figured I had waited long enough and wrote another
> letter asking what the deal was. I received a package of about 30 cards
> several months later and a note saying my funds were more than adequate.

Some bureaus will take money, and furnish envelopes with your address on them, but you have to check first.

Remember that you are dealing with a bunch of volunteers. The Willamette club does not sell credits for envelopes.

> That all was three years ago. I have not received anymore cards, notes,
> messages, nothing.
>
> Has anyone else had experience with the Willamette Valley DX Club? Is this
> standard practice? Is $20.00 the going fee for one-time pack of 30 cards? Do
> they ever explain what their policy is or their rates?

I have used the 7 area bureau for years, and never had any problems. But they handle the cards with SASEs (they HAVE to be 5 inch by 7 1/2 inch) just like all the other bureaus. The ones that take money and do every thing for you are the exception, rather than the rule.

According to The ARRL Operating Manual, only the 2nd, 5th, 6th, 9th,
0, Puerto Rico, KH6 and KL7 bureaus will "sell" envelopes and postage.

>
> Before thirty-seven of you refer me to back issues of QST, please no flames,
> but I like many other hams, am not a member of the League, and none of the
> local libraries carry QST, nor is it available on the newsstands.

I thought about posting the list, but it is too long. Write to the
ARRL, 225 Main St, Newington, CT, 06111 and ask for their sheets on
both the incoming and outgoing bureaus.

Anyone

> willing to post how bureaus are supposed to work? (Not just post references
> to read that we don't have access to?)

I already posted a long article the other day on how it all works.

Good luck!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

```
From 3215515600751302859
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1335b14f585b7b1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-16 11:34:23 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: Funky Callsigns
Message-ID: <9006161823.AA09810@ucsd.edu>
Date: 16 Jun 90 18:23:24 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1
Posted: Sat Jun 16 19:23:24 1990
```

K6SEX is active, and gets mail @W6PW.

```
From 4898929154593188164
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae87c61a01be8e4
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1990-06-16 12:30:54 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!usc!ucsd!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: California Help Needed
Message-ID: <9006161915.AA11466@ucsd.edu>
Date: 16 Jun 90 19:15:01 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6
Posted: Sat Jun 16 20:15:01 1990

```
>      6880      6280   -600        #Oakland Hills    wb6cts
```

This is WD6NDJ, and has a PL of 77Hz, to minimize interference from
the Sacramento and Ukiah repeaters on the same frequency.

From 3164694126837944329
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,147706227b181a79
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-16 14:41:20 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!uc!shamash!mpe
From: mpe@shamash.cdc.com (2375)
Newsgroups: rec.ham-radio
Subject: Radio Shack Pro-200x series Mods
Message-ID: <22542@shamash.cdc.com>
Date: 16 Jun 90 21:41:20 GMT
References: <1990Jun14.233941.21457@cbnewsd.att.com>
Reply-To: mpe@shamash.cdc.com   .
Organization: Control Data Corporation, Arden Hills, MN
Lines: 8
Posted: Sat Jun 16 22:41:20 1990

I am interested in any modifications for the Radio Shack Pro-200x series
hand-held receivers.

If you know of any, I would appreciate any suggestions that you may have.

Thank you for any effort that you might be able to lend,

mpe@shamash.cdc.com

From 4030334606558194601
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,90e08e315f3f8ee8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-16 16:14:18 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!SACEMNET.AF.MIL!lwrclmr

From: lwrclmr@SACEMNET.AF.MIL ("LWRCLMR")
Newsgroups: rec.ham-radio
Subject: PRO-AM ANTENNA HELP NEEDED
Message-ID: <9006162302.AA18821@ucsd.edu>
Date: 16 Jun 90 22:52:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 27
Posted: Sat Jun 16 23:52:00 1990

I am need of information regarding PRO-AM mobile antennas.

I have two HF PRO-AM whip antennas, one for 40 and one for 75 meters. When I got these whips, the instructions said to insert a capacitor in the mount from the whip to ground for proper operation. I have since lost the instructions and the capacitor somehow fell off the mounting and is gone. I need the information as to what size capacitor this needs to be.

As I recall, I used the cap specified for the 80 meter antenna, even though I frequently switched antennas as required. Without the cap I can't seem to get the SWR down on the antennas.

Please E-mail me the information as to the required values if you have them. I am leaving on a cross-country trip on the 25th and can't imagine going without mobile HF.

Thanks for any help anyone can provide.

73,
Michael
WA7SKG

INTERNET: LWRCLMR@SACEMNET.AF.MIL
INTERNET: LMR@TINCAN.SAWYER.AF.MIL
UUCP: sharkey!lopez!mabarnes
BELLNET: 906-346-6646
DSNET: 472-2811

From -1537874994935576706
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cde50b2853a13297
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-16 22:34:54 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: ... revisited
Message-ID: <14415@ucsd.Edu>
Date: 17 Jun 90 05:00:37 GMT
References: <9006160526.AA08376@ucsd.edu>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 12

Posted: Sun Jun 17 06:00:37 1990

I suspect that the person posting the program didn't know about the gateway to the mailing list or he wouldn't have posted it; those flaming you are demonstrating their ignorance.

I was out of town. If I'd been around to catch it, the program wouldn't have appeared in the mailing list digest.

But really, folks, the chances of any significant number of people wanting any specific program on this newsgroup/mailing list is probably quite small; it would much more courteous to let people know that it's available and mail it to those specifically requesting it.
- Brian (ayatolah of info-hams)

From -2508429354863073O9
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61d31aa59c04ba80,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-17 06:41:14 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: AMSAT News, 6/16/90
Message-ID: <832@ssc.UUCP>
Date: 17 Jun 90 07:44:58 GMT
Organization: very little
Lines: 609
Posted: Sun Jun 17 08:44:58 1990

SB SAT @ AMSAT $ANS-167.01
FD OSCAR OPERATIONS, PART I

HR AMSAT NEWS SERVICE BULLETIN 167.01 FROM AMSAT HQ
SILVER SPRING, MD JUNE 16, 1990
TO ALL RADIO AMATEURS BT

Field Day An Excellent Opportunity To Demonstrate Emergency OSCAR Operations

This year the annual ARRL sponsored Field Day (FD) event will take place on the weekend of June 23-24, starting Saturday at 18:00 UTC and ending Sunday at 21:00 UTC. FD is a simulated emergency preparedness exercise which challenges all of its participants to set up and operate an amateur radio station under "less-than-optimum conditions." This year OSCAR stations will find their way into many FD sites for good reasons. First, there is the pure excitement of making satellite QSOs at remote QTHs. Also, there are the satellite bonus points which can be earned for making just one satellite QSO. More importantly, with the current availability of packet radio store-and-forward message capability on FO-20 and the advent of BBS operations on AO-16, LO-19, UO-14, emergency traffic handling will soon be possible from anywhere in the world. Using the current flock of packet radio message

satellites, there will be no place in the world which will not see several passes of these satellites per day. If a natural disaster should befall a certain geographical region, it will be possible for the PACSATs to provide additional capability to move "health-and-welfare" traffic in and out of the disaster area. With the current flock of PACSATs, small stations consisting of small, non-tracking antennas, small radios, and a laptop computer can make a simple PACSAT station in remote locations. Already, many PACSAT users are finding that a simple dual-band J-Pole antenna (see AMSAT Journal, March '90) will work quite well.
/EX
SB SAT @ AMSAT $ANS-167.02
FD OSCAR OPERATIONS, PART II

HR AMSAT NEWS SERVICE BULLETIN 167.02 FROM AMSAT HQ
SILVER SPRING, MD JUNE 16, 1990
TO ALL RADIO AMATEURS BT

Field Day An Excellent Opportunity To Demonstrate Emergency OSCAR Operations

FD will provide an excellent opportunity to not only test a simple station for PACSAT operations, it will also challenge those who want to use the other OSCARs such as AO-10, AO-13, and RS-10/11. With AO-10/AO-13, reliable emergency communications will be possible for a large portion of the northern hemisphere for many hours each day. For those who do not think it is possible to operate an AO-10/AO-13 station during FD, see the account of K8OCL in ASR #189. John describes the station that he and N8DUY set up for AO-13 during FD '89. Their simple station netted them 60 FD contacts and convinced them even more that it is possible to have fun with OSCARs on FD.

Still another reason to set up a FD OSCAR station is to expose and introduce other hams and non-hams to OSCAR operations. Many amateurs participating at an OSCAR equipped FD site will have an excellent opportunity to work PACSATs and OSCARs for the first time. Many non-hams who are invited to the FD site will not only have a chance to see HF operations, but will also experience what radio amateurs do with satellites. Today's non-hams are almost completely unaware that hams use their own satellites every day. Demonstrating an OSCAR FD station will certainly provide a surprise to both hams and non-hams alike.

AMSAT encourages all hams who will be participating in FD '90 to consider setting up an OSCAR FD station. Look for many new stations this year sending "CQ FD" on AO-10, AO-13, AO-16, FO-20, LO-19, RS-10/11, and UO-14. "GOOD LUCK and QRZ FD."
/EX
SB SAT @ AMSAT $ANS-167.03
AMSAT SPACE SYM & ANNUAL MTG

HR AMSAT NEWS SERVICE BULLETIN 167.03 FROM AMSAT HQ
SILVER SPRING, MD JUNE 16, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Symposium to be held at Johnson Space Center

AMSAT has announced that the 1990 AMSAT Space Symposium will be held at NASA's Johnson Space Center Visitor's Center near Houston, Texas. The date for the weekend meeting will be October 19, 20 and 21 and it will be hosted by the Johnson Space Center Amateur Radio Club (W5RRR).

Registration will open on Friday afternoon, and tours of the Center will be made available not only on Friday but throughout the entire weekend. The tour includes areas such as Mission Control, the Shuttle Mock-up facility as well as the "Zero-G" Tank, a massive swimming pool used to train mission specialists for Shuttle EVAs (rubber rafts and water wings are not allowed).

The Symposium will take place on Saturday in the Visitor Center's Main Auditorium. It will feature talks on many aspects of amateur space communication and related subjects. There are sure to be a number of talks on Microsat operations. There will also be a talk on the results of the SAREX STS-35 Shuttle Mission as well as details of planned SAREX operations on STS-37.

The day will conclude with the now legendary "AMSAT attitude-adjustment hour", a Texas-style Bar-B-Que and the AMSAT annual meeting. Sunday's program will consist of a series of talks emphasizing how the average ham' can use the various amateur satellites - especially the newer Microsats.

Accommodations at a low-priced "convention rate" has been secured at the King's Inn adjacent to JSC. For more information on this year's symposium, send an SASE to: AMSAT, 850 Sligo Ave., Silver Spring MD 20910 or call the AMSAT office at (301) 589-6062.
/EX
SB SAT @ AMSAT $ANS-167.04
CALL FOR PAPERS

HR AMSAT NEWS SERVICE BULLETIN 167.04 FROM AMSAT HQ
SILVER SPRING, MD JUNE 16, 1990
TO ALL RADIO AMATEURS BT

First Call For Papers For the AMSAT-NA Space Symposium For Oct. 10-12th

The AMSAT-NA Space Symposium and Annual Meeting will be held October 10, 11 and 12 at the Johnson Space Center (JSC) in Houston, Texas. Coming, as it does, during a year in which two Shuttle missions are scheduled to carry licensed amateurs, this should be an exciting site for the meeting. With the added attraction of the Center's extensive museum and fascinating tours available, attendance could easily break all records.

However, in order to have a successful meeting, quality papers must be presented. This announcement is to solicit appropriate papers. The AMSAT-NA Space Symposium, to be held in the JSC Visitors' Center Auditorium, is intended to feature talks on the latest in technology in both the manned and unmanned aspects of the Amateur Space Program. Talks on MICROSAT utilization are particularly invited. The session Sunday morning at the Ramada Kings Inn will feature presentations aimed at the beginning satellite users and those wishing to try their hand with the RS birds, AO-13 and the

MICROSATs.

Those wanting to present papers are requested to send summaries to the AMSAT-NA office 850 Sligo Ave., Suite #600 Silver Spring, MD, 20910 by July 15, 1990. Those selected for presentation will be notified by August 1, 1990.

Final texts will be due in electronic form, either E-mail or floppy disc, by September 1, 1990. Reproducible figures and photographs will be due at the same time.

Let's make this the best AMSAT-MA meeting ever. Get your summaries in right away.

[A LATE BREAKING NEWS ITEM: According to Rich Ensign, at the Dallas HamCom 3 convention last week four more NASA Shuttle astronauts became Technicians and Ken Cameron upgraded to General class license. The AMSAT News Service (ANS) will get more details on names and calls soon but suffice it to say that both the Mission commander and the YL astronaut on board have now joined the ranks of amateur radio operators. STS-37 should be a real experience!

Congratulations to the crew of STS-37 for making it a foursome.]
/EX
SB SAT @ AMSAT $ANS-167.05
AO-13 ORBIT UNDER STUDY

HR AMSAT NEWS SERVICE BULLETIN 167.05 FROM AMSAT HQ
SILVER SPRING, MD JUNE 16, 1990
TO ALL RADIO AMATEURS BT

Many attentive satellite operators have noticed that the AO-13 orbit perigee has been decreasing steadily since the final orbit change maneuver was completed in mid 1988. This effect is not one of orbital decay but is a symptom of deep space perturbations, most notably from the sun and moon, which cause the eccentricity of an elliptical orbit to increase and decrease over a long term cycle. If the perigee at some point in the cycle is low enough, AO-13 will begin to enter the earth's atmosphere, decay will begin to dominate, and eventually AO-13 may re-enter catastrophically and be lost.

Several amateurs, OE1VKW, N4HY, N6NKF, G3RUH, KA9Q, and WA5NOM among them, have undertaken to learn as much as possible about these effects and to attempt to numerically model the AO-13 orbit as far into the future as possible in order to determine, if possible, what will happen. While most of these models project a re-entry for AO-13 sometime within this decade, it must be emphasized at this point that all results thus far are thought to be incomplete and therefore inconclusive. Formal errors resulting from projections months or years into the future still leave open the question of whether or when AO-13 will in fact re-enter prematurely.

AMSAT has contacted various institutions, including Millstone Hill (the radar complex that provided early orbital data during AO-10 and AO-13 burns), NASA's Goddard Spaceflight Center, and other NASA Centers in order to have the most complete possible analysis of the problem performed by experienced professionals. Any decisions or plans on the part of AMSAT must wait until after these results are obtained and fully understood. Bob McGwier (N4HY) expects to report as fully as possible in the upcoming AMSAT-NA Journal and in a presentation at the AMSAT-UK meeting in July.

[This statement was provided for ANS by N5BF.]
/EX
SB SAT @ AMSAT $ANS-167.06
ZRO TEST SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 167.06 FROM AMSAT HQ
SILVER SPRING, MD JUNE 16, 1990
TO ALL RADIO AMATEURS BT

Station Receiving Tests Schedule Announced
You have one more chance to test out your receive station on AO-13 during the latest round of The ZRO Memorial Technical Achievement Award Program. The "ZRO Test", which is a test of operating skill and equipment performance, has been running over the past few weeks and will continue through the end of June.

During a typical ZRO run, a control station will send numeric code groups using CW at 10 words-per-minute. At the beginning of the run, uplink power from the control station is set to match the general beacon downlink strength. This is level "zero". The control operator will send and repeat a random five-digit number, then lower their uplink power by 3 dB (half power) and repeat the procedure with a new random number. This will continue to a level 27 dB below the beacon (level "nine").

The following schedule of Mode "B" and "JL" ZRO tests were chosen for convenient operating times and favorable squint angles. The "B" tests can be heard on 145.840 MHz and the "JL" tests on 435.945 MHz.

Saturday June 30, 1990 at 1840 UTC "JL"
Saturday June 30, 1990 at 1930 UTC "B"

Any changes will be announced as soon as possible via the AMSAT HF and AO-13 Operations Nets. Recently updated ZRO brochures are available from WA5ZIB, Andy MacAllister, AMSAT V.P. User Operations, 14714 Knightsway Drive, Houston, TX 77083 for an S.A.S.E. with two units of postage. The brochure describes test procedures, means for obtaining certificates and gives some historical background about the program.

All listener reports with date of test and numbers copied should be sent to WA5ZIB at the address above. A report will be returned verifying the level of accurate reception. Good luck!
/EX
SB SAT @ AMSAT $ANS-167.07
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 167.07 FROM AMSAT HQ

SILVER SPRING, MD JUNE 16, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times. Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date UTC	Time	Phs	Mode	NCS	U.S. Day
26 Jun 90	0115	144	B	N5BF	Monday
Orientation Change to 210/0					
09 Jul 90	0000	184	B	N5BF	Sunday
16 Jul 90	0115	130	B	N5BF	Sunday
27 Jul 90	0030	130	B	N5BF	Thursday

For information on the amateur satellite program and how you can participate, contact AMSAT-NA at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062, or contact your local AMSAT Area Coordinator.
/EX
SB SAT @ AMSAT $ANS-160.08
AO-13 TRANSPONDER SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 160.08 FROM AMSAT HQ
SILVER SPRING, MD JUNE 9, 1990
TO ALL RADIO AMATEURS BT

Transponder Schedule for AO-13 Effective 05MAY90

The present transponder schedule for AO-13 is as follows:

Mode-B : MA 000 to MA 100
Mode-JL : MA 100 to MA 125
Mode-LS : MA 125 to MA 130 (Mode S Beacon only)
Mode-S : MA 130 to MA 135
Mode-BS : MA 135 to MA 140
Mode-B : MA 140 to MA 256
Omnis : MA 220 to MA 040

The current attitude is:

BLON = 179.4 and BLAT = -4.1 for 25 Jun 90

Cross mode B and S QSOs are possible during MA 135 to 140.

AO-10's Mode-B Transponder Now Available for Use:

AMSAT-OSCAR-10 appears to be receiving sufficient solar panel illumination to support Mode-B transponder operations, therefore, the transponder is available for general use whenever AO-10 is in view at your location. Please DO NOT use the transponder if the signals are FMing. The current estimate of AO-10's attitude is LON 24 deg LAT -9 deg.

[AO-10 update received from Graham Ratcliff, VK5AGR, via AO-13 beacons.]
/EX
SB SAT @ AMSAT $ORBS-167.O
Orbital Elements 167.OSCAR

HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES
FROM N3FKV LORENA, TX   JUNE 16, 1990
TO ALL RADIO AMATEURS BT

```
Satellite: AO-10
Catalog number: 14129
Epoch time:      90160.48774259
Element set:     528
Inclination:       25.9994 deg
RA of node:       200.1859 deg
Eccentricity:    0.5961905
Arg of perigee:   149.8173 deg
Mean anomaly:     264.9419 deg
Mean motion:    2.05881257 rev/day
Decay rate:      -2.70e-07 rev/day^2
Epoch rev:            5257
```

```
Satellite: UO-11
Catalog number: 14781
Epoch time:      90156.61567397
Element set:     744
Inclination:       97.9462 deg
RA of node:       209.5469 deg
Eccentricity:    0.0011698
Arg of perigee:   287.2040 deg
Mean anomaly:      72.7880 deg
Mean motion:   14.65389143 rev/day
Decay rate:       8.60e-06 rev/day^2
Epoch rev:           33427
```

```
Satellite: RS-10/11
Catalog number: 18129
Epoch time:      90164.95867299
Element set:     221
Inclination:       82.9268 deg
RA of node:       330.9120 deg
Eccentricity:    0.0013025
Arg of perigee:   124.3978 deg
Mean anomaly:     235.8400 deg
Mean motion:   13.72092852 rev/day
Decay rate:      -9.00e-07 rev/day^2
Epoch rev:           14900
```

```
Satellite: AO-13
Catalog number: 19216
Epoch time:      90159.67587371
Element set:     131
Inclination:       56.9863 deg
RA of node:       151.4377 deg
Eccentricity:    0.6966655
Arg of perigee:   228.8202 deg
Mean anomaly:      46.2038 deg
Mean motion:    2.09700013 rev/day
Decay rate:       6.30e-07 rev/day^2
Epoch rev:            1522

Satellite: FO-20
Catalog number: 20480
Epoch time:      90162.16250383
Element set:      79
Inclination:       99.0403 deg
RA of node:       209.8098 deg
Eccentricity:    0.0541470
Arg of perigee:    62.2494 deg
Mean anomaly:     303.2469 deg
Mean motion:   12.83156814 rev/day
Decay rate:       4.00e-08 rev/day^2
Epoch rev:            1597
/EX
SB SAT @ AMSAT $ORBS-167.D
Orbital Elements 167.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS
FROM N3FKV LORENA, TX      JUNE 16, 1990
TO ALL RADIO AMATEURS BT

Satellite: UO-14
Catalog number: 20437
Epoch time:      90164.18410863
Element set:     165
Inclination:       98.6975 deg
RA of node:       240.3067 deg
Eccentricity:    0.0011625
Arg of perigee:   161.6770 deg
Mean anomaly:     198.4834 deg
Mean motion:   14.28632237 rev/day
Decay rate:       6.10e-06 rev/day^2
Epoch rev:            2029

Satellite: AO-16
Catalog number: 20439
Epoch time:      90158.29152781
Element set:      83
Inclination:       98.7019 deg
RA of node:       234.5188 deg
```

```
Eccentricity:    0.0011186
Arg of perigee:   180.6504 deg
Mean anomaly:     179.4668 deg
Mean motion:   14.28730423 rev/day
Decay rate:       3.82e-06 rev/day^2
Epoch rev:            1945

Satellite: DO-17
Catalog number: 20440
Epoch time:      90160.38881602
Element set:      88
Inclination:       98.7040 deg
RA of node:       236.6199 deg
Eccentricity:    0.0011891
Arg of perigee:   172.3905 deg
Mean anomaly:     187.7455 deg
Mean motion:   14.28777289 rev/day
Decay rate:       5.45e-06 rev/day^2
Epoch rev:            1975

Satellite: WO-18
Catalog number: 20441
Epoch time:      90165.14016211
Element set:      89
Inclination:       98.7035 deg
RA of node:       241.3797 deg
Eccentricity:    0.0012933
Arg of perigee:   160.5777 deg
Mean anomaly:     199.5931 deg
Mean motion:   14.28879685 rev/day
Decay rate:       4.09e-06 rev/day^2
Epoch rev:            2043

Satellite: LO-19
Catalog number: 20442
Epoch time:      90164.50314377
Element set:      87
Inclination:       98.7034 deg
RA of node:       240.7589 deg
Eccentricity:    0.0013232
Arg of perigee:   162.1532 deg
Mean anomaly:     198.0118 deg
Mean motion:   14.28947935 rev/day
Decay rate:       3.71e-06 rev/day^2
Epoch rev:            2034
/EX
SB SAT @ AMSAT $ORBS-167.M
Orbital Elements 167.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES
FROM N3FKV LORENA, TX      JUNE 16, 1990
TO ALL RADIO AMATEURS BT
```

```
Satellite: SALYUT 7
Catalog number: 13138
Epoch time:      90163.45529334
Element set:     319
Inclination:       51.6027 deg
RA of node:       328.1900 deg
Eccentricity:    0.0001226
Arg of perigee:   204.4803 deg
Mean anomaly:     155.6220 deg
Mean motion:   15.63752866 rev/day
Decay rate:     4.3115e-04 rev/day^2
Epoch rev:           46411

Satellite: MIR
Catalog number: 16609
Epoch time:      90164.82563862
Element set:     733
Inclination:       51.6137 deg
RA of node:       347.7347 deg
Eccentricity:    0.0011372
Arg of perigee:    34.2360 deg
Mean anomaly:     325.9585 deg
Mean motion:   15.61392351 rev/day
Decay rate:     5.0055e-04 rev/day^2
Epoch rev:           24757

Satellite: HUBBLE
Catalog number: 20580
Epoch time:      90164.46937243
Element set:      91
Inclination:       28.4698 deg
RA of node:       273.2428 deg
Eccentricity:    0.0005745
Arg of perigee:    91.9520 deg
Mean anomaly:     268.1794 deg
Mean motion:   14.84442420 rev/day
Decay rate:      5.409e-05 rev/day^2
Epoch rev:             742
/EX
SB SAT @ AMSAT $ORBS-167.W
Orbital Elements 167.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM N3FKV LORENA, TX      JUNE 16, 1990
TO ALL RADIO AMATEURS BT

Satellite: NOAA-9
Catalog number: 15427
Epoch time:      90165.21961954
Element set:     592
Inclination:       99.1671 deg
RA of node:       164.9793 deg
Eccentricity:    0.0015642
```

```
Arg of perigee:    21.1307 deg
Mean anomaly:     339.0508 deg
Mean motion:   14.12591755 rev/day
Decay rate:       3.90e-06 rev/day^2
Epoch rev:           28356

Satellite: NOAA-10
Catalog number: 16969
Epoch time:      90165.32390073
Element set:     441
Inclination:       98.6019 deg
RA of node:       193.3341 deg
Eccentricity:    0.0012478
Arg of perigee:   281.4238 deg
Mean anomaly:      78.5544 deg
Mean motion:   14.23632416 rev/day
Decay rate:       4.75e-06 rev/day^2
Epoch rev:           19420

Satellite: MET-2/16
Catalog number: 18312
Epoch time:      90163.84350850
Element set:     436
Inclination:       82.5504 deg
RA of node:       293.7260 deg
Eccentricity:    0.0011310
Arg of perigee:   270.3251 deg
Mean anomaly:      89.6614 deg
Mean motion:   13.83651108 rev/day
Decay rate:       2.19e-06 rev/day^2
Epoch rev:           14238

Satellite: MET-2/17
Catalog number: 18820
Epoch time:      90164.07684249
Element set:     288
Inclination:       82.5443 deg
RA of node:       353.7293 deg
Eccentricity:    0.0016652
Arg of perigee:   341.5232 deg
Mean anomaly:      18.5270 deg
Mean motion:   13.84346044 rev/day
Decay rate:       1.13e-06 rev/day^2
Epoch rev:           11961

Satellite: MET-3/2
Catalog number: 19336
Epoch time:      90163.78370784
Element set:     501
Inclination:       82.5382 deg
RA of node:       280.5406 deg
Eccentricity:    0.0016914
Arg of perigee:   328.9130 deg
```

```
Mean anomaly:      31.0929 deg
Mean motion:   13.16897489 rev/day
Decay rate:       3.91e-06 rev/day^2
Epoch rev:            9037

Satellite: NOAA-11
Catalog number: 19531
Epoch time:      90165.33192995
Element set:     291
Inclination:       98.9821 deg
RA of node:       113.6372 deg
Eccentricity:    0.0011113
Arg of perigee:   295.3133 deg
Mean anomaly:      64.6886 deg
Mean motion:   14.11625036 rev/day
Decay rate:       8.88e-06 rev/day^2
Epoch rev:            8856

Satellite: MET-2/18
Catalog number: 19851
Epoch time:      90164.04741426
Element set:     236
Inclination:       82.5207 deg
RA of node:       231.7537 deg
Eccentricity:    0.0016300
Arg of perigee:    19.7446 deg
Mean anomaly:     340.4341 deg
Mean motion:   13.83982445 rev/day
Decay rate:       2.43e-06 rev/day^2
Epoch rev:            6499

Satellite: MET-3/3
Catalog number: 20305
Epoch time:      90163.65612208
Element set:     142
Inclination:       82.5530 deg
RA of node:       221.1891 deg
Eccentricity:    0.0015743
Arg of perigee:   346.3592 deg
Mean anomaly:      13.7110 deg
Mean motion:   13.15859810 rev/day
Decay rate:       4.20e-07 rev/day^2
Epoch rev:            3035
/EX
```

Upload these to your local packet BBS!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089

```
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP


From -2891757305261849056
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c635a2704a0818fd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-17 10:31:45 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!jarthur!uci-ics!ucla-cs!eel!cccph
From: cccph@eel.cs.ucla.edu (Charles Hobbs)
Newsgroups: rec.ham-radio
Subject: Re: Call for Comment, CB "Traffic Advisory Channel" petition
Message-ID: <36303@shemp.CS.UCLA.EDU>
Date: 17 Jun 90 17:06:29 GMT
References: <7605@pbhyf.PacBell.COM> <7880154@hpfcdc.HP.COM>
Sender: news@CS.UCLA.EDU
Reply-To: cccph@eel.cs.ucla.edu (Charles Hobbs)
Organization: UCLA Computer Science Department
Lines: 15
Posted: Sun Jun 17 18:06:29 1990

In article <7880154@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>Rather than petitioning the FCC for new regulations that cannot be
>enforced, the users of CB need to arrive at a "gentlemen's agreement"
                                               ----------------------
>about an advisory channel.  I would think 19 (or 9 if it is life-

GENTLEMEN? Where! Where! Damned few I've heard on CB lately.
(There are exceptions, but they are few and far between)

But for the most part, "CB gentlemen's agreements" sounds like
"military intelligence" to me.
-------------------------------------------------------------------------
Charles P. Hobbs, N6YMK @ K6VE....
Internet: cccph.eel.cs.ucla.edu      Plink: oar001      Genie: C.HOBBS
------------------------------------------------------------------------


From 502562986817197497
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc91dd501d313dd3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-17 12:47:26 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!ucsd!ucbvax!CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: California Help Needed
Message-ID: <9006171911.AA27671@ucsd.edu>
Date: 17 Jun 90 19:11:40 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
```

Organization: The Internet
Lines: 1
Posted: Sun Jun 17 20:11:40 1990

Correction to correction: that's WB6NDJ.

From 7992562803906725910
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bce5b7fb64356de,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-17 16:20:28 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!TAMVENUS.BITNET!RDW2030
From: RDW2030@TAMVENUS.BITNET
Newsgroups: rec.ham-radio
Subject: Making ham radio known
Message-ID: <9006172224.AA03527@ucsd.edu>
Date: 17 Jun 90 22:25:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 21
Posted: Sun Jun 17 23:25:00 1990

It's really funny just how many people have never heard of ham radio. They don't understand "ham" or "amateur" radio. I usually have to mention shortwave (such a misnomer!) and "talking to people all over the world" to ring a bell in most people's minds.

The question is... what good ideas can you guys come up with to really get people to know about ham radio and what it does for them as well as what a great hobby it could be for many.

This goes above and beyond the Radiogram service and the occasional passer-by that says "What's that radio for?" We hear this a lot at RDF hunts.

What unusual methods have you used yourself or seen other hams use to really get people interested in what was going on? We are in serious need of more grass-roots exposure, I think. If we can get some good ideas going, then we can possibly carry them out. I am a big ham radio evangelist, looking for more ways to let people know about it!

Mark Lowe - KB5III

73 and let's hear those ideas!

From -7781626762706067891
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,65b22a69ba251519,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-17 21:56:10 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube

From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Heathkit information needed
Message-ID: <9006172336.AA18141@ti.com>
Date: 17 Jun 90 23:30:09 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Mon Jun 18 00:30:09 1990

I need the instructions/schematics, etc. for the Heathkit HD-15 "Hybrid Phone Patch".

Also, I have a 2-meter power amp by Heathkit, but there's no ID number or model number on the unit. It uses two transistors, type 2N6084. If any one has information, schematics, etc. Please let me know.

73,
Dube Todd   N5PDK

From -5841539251385843864
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f071e9e02dcab3f2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-17 21:56:26 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: The bands are dead!
Message-ID: <30500573@ux1.cso.uiuc.edu>
Date: 17 Jun 90 22:03:00 GMT
References: <15147@<1990Jun13>
Lines: 45
Nf-ID: #R:<1990Jun13:15147:ux1.cso.uiuc.edu:30500573:000:2140
Nf-From: ux1.cso.uiuc.edu!phil   Jun 17 17:03:00 1990
Posted: Sun Jun 17 23:03:00 1990

> anywhere. 75 meters is totally gone. SHORTWAVE stations sound like
> they are under water, and nobody is higher than S-2. Surprisingly, W1AW
> was there at 0130 with their bulletin on 21329.8 (announced 21390, they
> can not get closer to the freq than good old Glen Baxter can)...

Keep tuning higher and higher.

> Is it just ME, or is this the WORST solar peak you can remember. I mean
> dismal dismal dismal. Sunspots are supposed to being exciting stuff to
> the HF bands, but what the sunspot giveth, the solar flare taketh away.

And why do you not try VHF?

> Previous solar cycles brought me some great SWL reception, and wonderful
> memorable ham contacts with coathanger antennas all over the world.
>
> Not so this time. This cycle has been a bust IMHO. The bands have been
> literally DEAD for days on end. No communication in or out. This is my
> THIRD solar cycle as an active radio nut. This time I have much more
> sophisiticated equipment, AND more time to play with it than the last
> two... (Well I used to skip school to play TV DXer when the e's came
> alive back when I was a kid...)

Well turn on the TV again. Geez, you STARTED on VHF, so why not come
back to VHF.

> I have had very few memorable days playing with DX this time around.
> What I remember the most from this cycle is the total trashing of the
> bands many many many times. Some of it is the black hole effect (as
> posted previously) but I am sure that this dismal reception must be
> affecting others as well. Days when the band is "broken" seem to happen
> far more regularly than I can ever recall.

A higher MUF does not mean the lower frequencies remain usable.

> Hello, CQ CQ CQ USENET. CQ CQ CQ CQ USENET. THIS IS WB8EOH. WIND BAG
> NUMBER EIGHT ECCENTRIC OLD HERMIT, WB8EOH, WHITE BREAD 8 EXTRA OILY
> HAMBURGERS.... CALLING AND STANDING BY....

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·__· ··· ·   __·_ ··· _·__   ___ __   ···_ ···· ··_·   ···_ ···· ··_·
···_ ···· ··_·   _·· ·   _·_ ·_ ____· ·__ __· _·
```

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 1736853353140386533
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a33c48a14b627a4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-18 00:22:46 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes, 6/15/90
Message-ID: <1540@n8emr.UUCP>
Date: 17 Jun 90 13:56:31 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 164
Posted: Sun Jun 17 14:56:31 1990

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==============================================================
|         Relayed from packet radio via                      |
```

SB RTTYDX @ ALLUSA $RTDX0615
RTTY DX Notes, 1of3, 6/15/90

RTTY DX Notes for Weekending 15th June 1990.
Part 1 of 3.
BID: $RTDX0615

Well, band conditions for the contest were not as good as one would have wished, but we cannot always get what we have wished for. But it could be said that they were fair, and from reports received it would appear that there will be some good scores showing up. At least we hope so. Now is the time for you to get to work and send your logs to 55 Prince Charles Road, Frenches Forest, Sydney 2086. If you do not know how to score, send them in anyway. We have a couple of good calculators that know how to do that.

Our thanks this week go to I5FLN, I5ICY, I5IGQ, JG1NBD, N2HOS, OD5NG, TG9VT and VK2EG. Thank you all for your efforts, and hope that you all enjoyed the contest.

Bandpass:

Friday 8:

FY4FR	14089	at	0155Z	
EA9MY	14084	at	0210Z	
UQ2HO	14086	at	0237Z	
VK9LI	14075	at	0421Z	QSL
FO5EM	14088	at	0436Z	
UZ3AYR	21086	at	1402Z	

Continued in part 2.
/EX
SB RTTYDX @ ALLUSA $RTDX0616
RTTY DX Notes, 2of3, 6/15/90

RTTY DX Notes for Weekending 15th June 1990.
Part 2 of 3.
BID: $RTDX0616

Saturday 9:

HV3SJ	14091	at	0040Z	
OM2BXW	14087	at	0114Z	Note
PP8BW	14087	at	0459Z	Note
VK9LI	14090	at	0601Z	
EA9MY	14093	at	0647Z	
7J6CAS	21090	at	0654Z	
7Q7LI	14092	at	0944Z	

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TJ1MW     21088  at  1108Z
LY1BZB    14088  at  1730Z
A45ZO     14083  at  1748Z
VU2SJV    14086  at  1822Z
BV4VB     21090  at  1837Z
TU2BB     14074  at  2130Z  ARQ

Sunday 10:
KP4OP     14088  at  0300Z
EA9MY     14083  at  0300Z
ES7FU     14087  at  0523Z
RA3DX     14084  at  0552Z
RB5MT     14084  at  0557Z
TA3D      14085  at  0602Z
VR6WH     14082  at  0725Z
TL8GM     28089  at  0854Z
FO5MA     14067  at  0855Z  ARQ
BZ4RDX    21088  at  0922Z
7J6CAS    21082  at  1017Z
TJ1MW     21082  at  1107Z
VU2JSV    14085  at  1656Z
VK9LI     14087  at  2305Z

Monday 11:
LY1BYL    14090  at  0150Z
UQ2HO     14091  at  0310Z
RF6FC     14086  at  0320Z
VK9LI     21088  at  0421Z
UG7GWY    14082  at  0508Z  QSL
FO5EM     14088  at  0726Z
TJ1MW     14076  at  1853Z  ARQ
A45ZO     14079  at  1904Z  ARQ

Tuesday 12:
RA3AG/A   14089  at  0156Z
FY4FS     14091  at  0158Z
IZ0MR/90  14085  at  0430Z  QSL
SV2WT     14089  at  0435Z
UQ2HO     14084  at  0453Z
VK9LI     14075  at  0537Z  ARQ
YI1BGD    21085  at  1555Z

Continued in part 3.
/EX
SB RTTYDX @ ALLUSA $RTDX0617
RTTY DX Notes, 3of3, 6/15/90

RTTY DX Notes for Weekending 15th June 1990.
Part 3 of 3.
BID: $RTDX0617


Wednesday 13:
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KR6N/KP4	14090	at	0025Z	QSL
HC1BV	14083	at	0200Z	
CE0ZIG	14073	at	0400Z	ARQ

Thursday 14:

8P9AT	14087	at	0410Z	QSL

QSL Information:

VK9LI will QSL via VK2SG as soon as the cards are printed.

IZ0MR/90 will QSL via I0IA.

UG7GWY asks for cards to be sent via Armenia Verevan Indeks 5, Padio Club, 375007 Armenia, Verevan, USSR.

KP6N/KP4 is via KP4USA.

8P9AT, Wolf Wagner, 12230 St James Road, Potomac, MD 20854, or via DL8KY.

Information Of Interest:

OM2BXW is a special call for OK land.

PP8BW is a special call for PY land.
And just to confuse you all, KJ is the stateside call, not Johnston Island, which is KH3.

ZD9BV has informed that the equipment that was sent to him has disappeared enroute. A search party has been dispatched, but so far they have not reported back that they have found the gear.

H44RW has informed that his RTTY gear will not work, so maybe we can forget the Solomon Islands for the moment.

ED9CI, Chafartnas Island should be active now by EA9JV. This will count for IOTA and prefix hunters awards, but unfortunately, not as a new country.

GL DE DX 1 (VK2SG) VIA TG9VT.

Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA. Send RTTY DX tips to VK2SG @ VK2AGE.AUS.AU.
/EX

--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553

Voice: 614-895-2552 (eves/weekends)

From -4679275612073514366
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75125d82cfe9d9f6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,75125d82cfe9d9f6,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-06-18 06:43:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!samsung!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!apple!voder!pyramid!decwrl!run-barr!lll-winken!uunet!ogicse!littlei!rosie.hf.intel.bom!rcollier
From: rcollier@rosie.hf.intel.com.ofc.edu
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Blue Angels info'
Message-ID: <1100@gandalf.littleh.UUCP>
Date: 18 Jun 90 13:43:48 GMT
Sender: news@littleh.UUBP
Lines: 30
Xref: gmdzi rec.radio.shortwave:1466 rec.ham-radio:12230
Posted: Mon Jun 18 14:43:48 1990
Heywords: scanners, frequencies
Rdply-To: rcollier@rorie.hf.intel.com (Collier Chtn)
Nrganization: Intel Borp., OEL Microcomputer Platforls Divisinn, Hillsboro, Oregon

Well, the Blue Angels have finished their performance at the annual Rose Fdstival Airshow in Hillsboro, Oregon. Using the infnrmation provided in previour postinfs, H was able to capturd a lot nf interesting stuff nn the scanner.

The prdset frequencies in the planes included 251.6 MHz (preset 8) and 307.7 MHz (presdt 16), bnth AM. The soloists were on 251.6 LHz while the four-ship formatinn was on 307.7 LHz. Acbordhng to what I heard, 307.7 MHz applies tn the wert cnast.

The tdam this year includds:

#1 Cmdr. Pat Moneymaker (flight leader = "Boss"(
#2 Maj. Chase Loseley ("Ace")
"3 Lt. Cmdr. Davd Inlan ("Moe")
"4 Lt. Cldr. Douf McBlain ("Mad Dog")
#5 Lt. Lee Gravn ("Bush") (?)
#6 Lt. Matt Rdamnn ("Spurt") (?)

Note that I'm not completely sure of the tactical callsigns, as they'rd used *VERY* brieflx during transmirsions. It got real interesting during the last practicd sessions before the shnw when #6 lost an engine. Forttnately these ard F-18's, not F-06's!

Oh yes, Tdam America was here too, ushng 023.475 LHz AM.

Collier Chun

NM7B
Intel Corporation
Hillsboro, Oregon

From -2201353169959416291
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7844f5e9c201b54f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-18 07:21:28 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!yale!husc6!genrad!dls
From: dls@genrad.UUCP (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: Re: QSLing
Summary: rules for 1st call area
Message-ID: <37631@genrad.UUCP>
Date: 18 Jun 90 11:56:11 GMT
References: <9006111248.AA22930@ucsd.edu> <623@compnect.UUCP>
Organization: GenRad, Inc., Concord, Mass.
Lines: 56
Posted: Mon Jun 18 12:56:11 1990

In article <623@compnect.UUCP> daveh@compnect.UUCP (Dave Hultberg) writes:
```
>In article <9006111248.AA22930@ucsd.edu>, lwrclmr@SACEMNET.AF.MIL ("LWRCLMR")
writes:
>> Ref QSL INbound bureaus.
>Each Incoming QSL has its own rules, so what I am about do post is only
>guaranteed to represent 3rd call area policy.  First, to get a copy of our
                         ^^^^^^^^
```
Rules for 1st call area are similar, but not same. Money is accepted in lieu of envelopes, and we will buy envelopes on an as needed basis, if money is there to buy them (generally 10 cents an envelope or 25 cents for three, but this figure may differ from sorter to sorter). I ask that you do NOT put more than 25 cents on each envelope, but supply separate postage if you figure it may be more than 1 ounce. I do NOT hold onto cards for more cards to come in, although occasionally I will hold cards from one month to the next....for example, when I've already sent out one envelope and then find a few more cards missorted, rather than sending out another envelope, I'll just hold them for the next month. Please send envelopes NO SMALLER than 5 x 7"; they are difficult to find and tend to get lost... plus many QSL cards won't fit in smaller envelopes. As a courtesy, I will send out a postcard for hams who are in the callbook (HINT, is your name and address up to date in the callbook? If not, WHY NOT?), but have no envelopes on file, generally asking for $2.00 or $3.00 in postage/envelopes/cash, to open his account (and keep it going for awhile). This is NOT expected, and it DOES come out of my pocket, although we do request that the ham send 15 cents to cover the cost of the postcard, not all do (I guess they figure it's their right to receive a postcard). No response to requests for envelopes within 45 days results in cards being disposed and a big red "NO INTEREST DISPOSE" being placed on the ham's file card. When the last envelope, or low postage or money occurs, I send out an index card with the last batch, informing the ham of his status.

There are many cards that come in that are IMPOSSIBLE to determine who they go to. Foreign stations very often do not write clearly...I try to match up the cards as best I can using all available data. For example, if the QSL card has the receiver's first name on it, then I can start playing guessing names using the callbook: let's see, is it K1JTL, K1YTL, K1UTL, K1GTL, or K1TTL, Ah, K1JTL has the same first name, must be his, send it back to Call 1 bureau to be forwarded to the next sorter (this is only an example, but it gives you an idea of my thinking). If you get cards that don't belong to you, 'twould be nice if you returned them to the bureau next time you send in money or envelopes.....but not required...remember, that other ham may really NEED that QSL card, and sorters aren't perfect (at least I'm not :-).

To all Hams: DO YOU HAVE AN ENVELOPE ON FILE? IF NOT, WHY NOT?

CHEERS!
Diana

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--
->Diana L. Syriac   CAP: SM, Freedom 690 Mobile    Ham: KC1SP(1 super pilot)<-
->USmail:   GenRad Inc., Mail Stop 6, 300 Baker Ave, Concord, Mass.  01742  <-
->usenet:   {decvax,mit-eddie}!genrad!dls      or dls@genrad.com
         <-
->tel:       (508) 369-4400 x2459    I'D RATHER BE FLYING!!!
             <-
```

From -6936699880080514778
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7844f5e9c201b54f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-18 07:21:38 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!yale!husc6!genrad!dls
From: dls@genrad.UUCP (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: Re: QSLing
Summary: donations to QSL bureaus
Message-ID: <37632@genrad.UUCP>
Date: 18 Jun 90 11:57:22 GMT
References: <9006111248.AA22930@ucsd.edu> <829@ssc.UUCP>
Organization: GenRad, Inc., Concord, Mass.
Lines: 39
Posted: Mon Jun 18 12:57:22 1990

In article <829@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>In article <9006111248.AA22930@ucsd.edu>, lwrclmr@SACEMNET.AF.MIL ("LWRCLMR") writes:
>> Ref QSL INbound bureaus.
>>
>Not knowing the going rates for this

>> service I sent a letter to the Willamette Valley DX Club (W7 bureau per the
>> CallBook) along with a check for $20.00. They did not hesitate to cash my
>> check, but I never heard from them again.
>
>This was a mistake on your part. They probably thought it was a donation
>to the club. They need 5x7.5 inch SASEs with your call in block letters
>in the upper left hand corner. They also apreciate donations.

This is NOT necessarily true. A few weeks ago, I received a $10 check for
one of my "customers". Since this ham was a friend of mine and I had told
him earlier that his account was just fine, I decided to call and tell him
don't send the QSL bureau anymore money. He replied, "gee, I had sent in
a DONATION, not money for my QSL cards." Anyway, money to the bureau is
not necessarily assumed to be donations. You must specify that it is, else
it would be assumed that it is for future QSL cards.

By the way, I do have a few large customers....20-30 dollars....but most
just send 2-3 envelopes and/or 2-3 dollars.

>> Has anyone else had experience with the Willamette Valley DX Club? Is this
>> standard practice? Is $20.00 the going fee for one-time pack of 30 cards? Do
>> they ever explain what their policy is or their rates?

$20 would go a long way with me.....And yes, if you ask for information, we
have a page of data that we send, if you send a SASE requesting it.

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--
->Diana L. Syriac   CAP: SM, Freedom 690 Mobile    Ham: KC1SP(1 super pilot)<-
->USmail:   GenRad Inc., Mail Stop 6, 300 Baker Ave, Concord, Mass.  01742  <-
->usenet:   {decvax,mit-eddie}!genrad!dls      or dls@genrad.com
         <-
->tel:       (508) 369-4400 x2459    I'D RATHER BE FLYING!!!
             <-
```

From 5411633386029972623
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc30dcb5eb79bda5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-18 08:47:09 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!
mailrus!uwm.edu!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hplisa!
hplvli!chris
From: chris@hplvli.HP.COM (Chris Kelly)
Newsgroups: rec.ham-radio
Subject: STOLEN KENWOOD TM-701 Dual Bander
Message-ID: <20200003@hplvli.HP.COM>
Date: 18 Jun 90 15:47:09 GMT
Organization: Loveland Inst. Div
Lines: 13

Posted: Mon Jun 18 16:47:09 1990

Stolen in auto burglary June 16, 1990:

Kenwood TM-701A Dual Band (144/440) Transceiver

Serial Number 0021709

notes: also contains optional CTCSS Decoder

If found, contact Loveland (CO) Police Dept:
1-303-667-2151 ref case number 90-10428

Thanks.....Chris Kelly, alias WD5IBS

From -3726105258922568268
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38d0080cff917e06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-18 11:32:35 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Re: YAESU FT-411 MOD, please help!
Message-ID: <99533@philabs.Philips.Com>
Date: 18 Jun 90 18:32:35 GMT
References: <7880152@hpfcdc.HP.COM>
Sender: news@philabs.Philips.Com
Reply-To: rfc@briar.philips.com.UUCP (Robert Casey)
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 58
Posted: Mon Jun 18 19:32:35 1990

someone wanted this info posted, so...
from my files:
>From: stan@hprpcd.HP.COM (Stan Witherspoon)
Newsgroups: rec.ham-radio
Subject: Re: Yaesu FT-411 mods?

To allow the FT-411 to recieve from 130 MHz to 174MHz and to transmit
from 140 MHz to 151 MHz, turn off the radio and hold down both of the arrow
keys and turn on the radio. Be sure to write down all of the contents of
your memories first as this will erase them ! This is the MARS modification.
Repeating this procedure will turn the FT-411 back into a HAM only transciever.
Refer to the mods server for a more involved mod that will allow you to
set the transmit and recieve frequency limits at will within the capability
of the rf deck.

WARNING: Do not transmit over the air outside of the ham bands unless you have
the appropriate MARS license! For other frequencies, don't transmit at all
because the FT-411 is not a FCC-Type-Accepted radio for the public service

bands! Also make sure that your radio can't accidently transmit on a public service repeater (in case you are all thumbs, or your radio gets stolen!)

Stan Witherspoon
RF: N6SCE

Note: I haven't tried any of this, proceed at your own risk. WA2ISE

more stuff:
Newsgroups: rec.ham-radio
Subject: FT-470 neat whizzy stuff
Keywords: mods, crossband repeater

Well, since there's a lot of mod' req's floating around, I thought I'd mention something I discovered while attempting to perform a clone data dump on the Yaesu FT-470.

The Yaesu Customer Service Rep' that I called today claimed that the FT-470 *does* have a cloning capability despite the lack of instructions in the manual. Supposedly, the way to get into Clone Mode is to turn on the radio with the F/M key depressed.

HOWEVER! If you turn on the radio with the RPT key depressed, the radio becomes a crossband repeater. Try it! Dial up two frequencies you want to crosslink (be sure to pay attention to transmit offsets, if any), turn the radio off, depress the RPT key, and turn it back on. The tone encode/decode flags and the -+ flags will be flashing. When either band's squelch opens, the other band is moved into the primary frequency display and the transmitter keys. Note that the power output is decreased to Low power. One note: the crossband audio isn't great, probably because it's whatever comes out the speaker and gets fed back into the mike. I suppose if you got serious, you could create a short interface cable to plug into the top of the radio.

73's & happy dual/crossbanding!

Collier Chun
NM7B @ WA7ARI
Intel Corporation, OEM Platforms Operation
Hillsboro, Oregon

From 4210697878562801688
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bf83f25a6c96a6df,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-18 11:33:21 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!usc!ucsd!ucbvax!UTKVX3.BITNET!BRUCEH
From: BRUCEH@UTKVX3.BITNET
Newsgroups: rec.ham-radio
Subject: WWV time board for PC
Message-ID: <9006181425.AA07800@ucsd.edu>
Date: 18 Jun 90 15:22:00 GMT

Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Mon Jun 18 16:22:00 1990

A couple of weeks ago someone was asking about accurate time keeping,etc for an astronomical purpose. I just saw a half-card board for a pc that contains a wwv receiver and interface for a PC/XT or PC/AT type computer. It claims an accuracy of +- 20ms. It updates the system clock. It operates on the 10MHz signal. Cost is $225.00. The company is:

Coordinated Time Link
Santa Clara, CA
408-980-1305
408-980-1468 (fax)

I know absolutely nothing about this company. The above is what I read in a short magazine article.

Bruce Harrison WB4MJG
Univ. of Tennessee at Martin
BRUCEH@UTKVX (bitnet)

From 3106329334806232570
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a2a2ae7c45f8daf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-18 12:22:48 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!hplabs!hpfcso!hpldola!paul
From: paul@hpldola.HP.COM (Paul Bame)
Newsgroups: rec.ham-radio
Subject: Re: 440 MHz filtering
Message-ID: <12120038@hpldola.HP.COM>
Date: 18 Jun 90 19:22:48 GMT
References: <1990Jun15.175251.4080@hayes.fai.alaska.edu>
Organization: HP Elec. Design Div. -ColoSpgs
Lines: 19
Posted: Mon Jun 18 20:22:48 1990

> >We need a filter for a low-noise preamp in the 440 MHz range. Mostly it
> >needs to have a flat passband about 5 MHz wide, and steep rolloff, especially
> >on the low end. Can anybody suggest a solution that is more clever than
> >your standard LC configurations? Sharper cutoff, less insertion loss?

> In metropolitan areas (like L. A.) weak signal VHF and UHF users (satellite
> operators) often use cans. There are cans (duplexers, single filters, etc.)
> for 440 MHz. Have you considered these? They are very sharp.

"cans" are probably usually 1/4 wave coaxial filters - typically used in repeater duplexors. Since it's for a receiver you don't need the high power capability and should consider helical resonators - much smaller for one thing. I haven't any idea of a good reference for building

or designing them but you can get ready-mades from Digi-Key (Toko?)
tho' they're not real cheap. You might check out the recent ARRL
VHF/UHF book too.

-Paul "Spice is the Variety of Life"
paul@hpldola.hp.com N0KCL

From -6016177859101406707
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1c75e01dc8761df
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-11 22:59:55 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpcc01!hpcuhb!fel
From: fel@hpcuhb.HP.COM (Skip La Fetra)
Newsgroups: rec.ham-radio
Subject: Re: time for FCC to process a license application
Message-ID: <10510009@hpcuhb.HP.COM>
Date: 11 Jun 90 16:22:36 GMT
References: <9006061536.AA12961@frisky.Franz.COM>
Organization: Hewlett Packard, Cupertino
Lines: 17
Posted: Mon Jun 11 17:22:36 1990

/ hpcuhb:rec.ham-radio / henryb@hpspdra.HP.COM (Henry Black) / 8:06 am Jun 7, 1990 /
> > Another data point for others waiting for the FCC:
> And another data point for others waiting for the FCC:
>
> My recent advanced class license took seven weeks, this was a
> first (US) license, not an upgrade.
> Henry Black KK6JR, G4NOC +1 415 857 6655 KK6JR @ WW6L.#NOCAL.CA.USA.NA

Another data point, if people are still interested....

My first license (exam taken Feb 12th) took 5 weeks to the day to be
delivered in the mail.

My upgrade exam was passed thirty days ago today (May 12th). I'm still
waiting for my new callsign.

- Skip KK6HK (till the new call arrives)

From -5043109796940734336
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,479c8bedc2ec8a55,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-12 04:48:18 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!usc!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.UUCP (Constructive Frivolling)
Newsgroups: rec.ham-radio

Subject: IRCs
Keywords: cashing them
Message-ID: <31439@ut-emx.UUCP>
Date: 12 Jun 90 04:23:33 GMT
Organization: The University of Texas at Austin, Austin, Texas
Lines: 31
Posted: Tue Jun 12 05:23:33 1990

Has anyone actually tried cashing an IRC? Are the USPO staff as clueless about cashing them as they sometimes are when you buy them? Some of those folks seem to have a hard job reading English, so the French on the front must be a real challenge for some of them.

One thing that's useful to know is that if the IRC originated in the USA you can cash it for 1 cent less than the face value. The others get you the equivalent of an overseas stamp for surface mail - so in principle you cover the return postage for a QSL card with one IRC, if you don't mind it coming back via surface mail. In my limited experience as a QSL manager, I always reply airmail if I am sent one IRC - the IRC is worth 45c to me, which is the overseas air postage rate, and although you may lose out by the cost of the card, that happens anyway when you reply to a USA card with an SASE. But then I'm just a Good Guy... (and I didn't buy the cards :-)).

I have this, er, friend, that has a number of IRCs that are incorrectly stamped (no stamp, or it's on the wrong side). This friend would feel happier cashing them in for 40c than sending them to DXers who might regard them as worthless. Are the USPO guys clued in? Of course, IRCs are rarely cashed, they get sold or traded for QSL cards, but when a new issue comes out someone must be left holding the baby. How much notice do we get when a new issue is imminent?

Happy QSLing -

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
wills@utxvm (Bitnet)

From 1607117598538480979
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d4d6ea78f154c4,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,95d4d6ea78f154c4,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,95d4d6ea78f154c4,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-06-12 05:35:32 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!mcgill-vision!quiche!sami
From: sami@quiche.cs.mcgill.ca (Sami BOULOS)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio

Subject: KENWOOD R-5000 FOR SALE
Message-ID: <3544@quiche.cs.mcgill.ca>
Date: 12 Jun 90 04:26:17 GMT
Followup-To: poster
Organization: SOCS, McGill University, Montreal, Canada
Lines: 12
Xref: gmdzi rec.radio.shortwave:1424 rec.ham-radio.swap:459 rec.ham-radio:12118
Posted: Tue Jun 12 05:26:17 1990

For Sale:
  Kenwood R-5000. Bought new in late 1988. Has no modifications, rarely
  used, and is in excellent condition. Reason for selling: acquiring
  transceiver. Contact Sami Boulos at (514) 656-8345 (night) or
  (514) 398-7084 (ext. 5928) (day) or at address below.
  Make me an offer.

--
Sami Boulos   sami@quiche.cs.mcgill.ca
McGill University, School of Computer Science, 3480 University,
Montreal, Quebec H3A 2A7

From 8412393561323949528
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc433950a76d388c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-12 07:10:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uwm.edu!ogicse!
zephyr.ens.tek.com!vice!georgep
From: georgep@vice.ICO.TEK.COM (George Pell)
Newsgroups: rec.ham-radio
Subject: Re: Need pointers for literature about building satelite receivers
Message-ID: <5188@vice.ICO.TEK.COM>
Date: 12 Jun 90 07:18:38 GMT
References: <1094@wrs.wrs.com> <2420@anasaz.UUCP>
Reply-To: georgep@vice.ICO.TEK.COM (George Pell)
Distribution: rec
Organization: Tektronix, Inc., Beaverton, OR.
Lines: 20
Posted: Tue Jun 12 08:18:38 1990

In article <2420@anasaz.UUCP> bobm@anasaz.UUCP (Bob Maccione) writes:
+In article <1094@wrs.wrs.com> james@roover.wrs.com (James Moore) writes:
+}A friend of mine is visiting from Moscow (Soviet Union, not Idaho) and
+}would like to find literature about building and maintaining satelite
+}receivers.
+
+Please post the sources (or email me also), I'm this far --> <--- from
+getting a dish after seeing the pics from the C-band sat subcarrier. Now
+the problem (as usual) is getting the bucks up for the LNA, etc.
+
+bob Maccione..

There are lots and lots of used sat receivers out there. Since the
advent of scrambling, anything that doesn't have a built in descrambler
goes for cheeeeeep. You should be able to pick up the whole kit for
two hundred, minus the dish itself (receiver, down converter, lna, feedhorn).

I've even got one on the shelf.

geo

From 3521311215099172572
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e08ac11a3238c8f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-12 07:11:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!rutgers!news-server.csri.toronto.edu!utgpu!watserv1!watmath!att!
cbnewsj!k2ph
From: k2ph@cbnewsj.att.com (The QRPer)
Newsgroups: rec.ham-radio
Subject: Re: ZA5DX/CW
Message-ID: <1990Jun12.000134.25251@cbnewsj.att.com>
Date: 12 Jun 90 00:01:34 GMT
References: <7278@gollum.twg.com>
Organization: QRM Central
Lines: 25
Posted: Tue Jun 12 01:01:34 1990

From article <7278@gollum.twg.com>, by sawyer@twg.com (Bruce B. Sawyer):
> This past Sunday (June 10) I had a qso with a person using the call ZA5DX.
>   [Lots of stuff deleted...]
>   - While the signal was coming from the right beam heading, it was a little
>   too strong for the high A index we had, and I didn't hear many other
>   Europeans quite so strong;
>   [Lots of other stuff deleted...]

Interesting that the beam heading was correct from 6-land. In New
Jersey, he was peaking at 315 degrees! I've never heard Europe come
in from that direction on any band! :-)

I know we should WFWL, but that beam heading was just too ridiculous
for words!

By the way, our local packet reported XU1SS/ZA and ZA2PL today.
The saga continues...

Now watch, it will turn out to be real...

--
===
Bob Schreibmaier K2PH | UUCP: att!oblivion!k2ph or k2ph@oblivion.att.com
AT&T Bell Laboratories | ARPA: k2ph%oblivion@att.arpa

Lincroft, N.J. 07738 | ICBM: 40o21'N, 74o8'W

From 4318918250640987059
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2f9550bb8e11ac4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-12 10:27:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!oakhill!val!ben
From: ben@val.com (Ben Thornton)
Newsgroups: rec.ham-radio
Subject: TH75 Mods
Message-ID: <1990Jun11.214419.11607@val.com>
Date: 11 Jun 90 21:44:19 GMT
Distribution: rec
Organization: Video Associates Labs, Inc.
Lines: 12
Posted: Mon Jun 11 22:44:19 1990

Does anyone know of any mods for the TH-75A talkie for extended coverage?

Please E-Mail responses.

Thanks in advance.
--

```
Ben Thornton             packet:  WD5HLS @ KB5PM   Internet:  ben@val.com
Video Associates Labs      uucp:  ...!cs.utexas.edu!val!ben
Austin, TX              fidonet:  1:382/40 - The Antenna Farm BBS
```

From 3870095700833448532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,459adaf9adc7105b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-12 15:12:27 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!ttidca!sorgatz
From: sorgatz@ttidca.TTI.COM (Avatar)
Newsgroups: rec.ham-radio
Subject: Re: CB in GB/11 meter bandits on 10 meters
Message-ID: <17838@ttidca.TTI.COM>
Date: 12 Jun 90 22:12:27 GMT
References: <900611-084950-8056@Xerox>
Organization: Citicorp/TTI, Santa Monica
Lines: 19
Posted: Tue Jun 12 23:12:27 1990

In article <900611-084950-8056@Xerox> "hugh_davies.WGC1RX"@XEROX.COM writes:
+
+I just wish we could keep them out of 10 meters, since the UK CB allocation
+finishes just below the CW segment of 10. There are enough people who can

+hack the PLLs to give them access to all these "silent" (they can't hear
+the CW, and don't care anyway) channels. Sigh.
+73, Hugh.
+G0CNR.

Soooo...it's happening in the UK too! Well Hugh, it *could* be worse...
..I mean at least the bootleggers over there all speak English, here they
all speak SPANISH! ;-) Heheheh! Time for t-hunts, time to write down some
addresses..start harrassing 'em back!

```
-Avatar-> (aka: Erik K. Sorgatz) KB6LUY           +-------------------------+
Citicorp(+)TTI                          *----------> panic trap; type = N+1 *
3100 Ocean Park Blvd. Santa Monica, CA  90405     +-------------------------+
{csun,philabs,psivax,pyramid,quad1,rdlvax,retix}!ttidca!sorgatz **
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR IT'S MANAGEMENT!)
```

From 77161787677997648
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e08ac11a3238c8f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-12 18:15:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali.cs.montana.edu!samsung!cs.utexas.edu!rutgers!bellcore!casux4!jdn
From: jdn@casux4.uucp (jonathan nagy)
Newsgroups: rec.ham-radio
Subject: Re: ZA5DX/CW
Message-ID: <24113@bellcore.bellcore.com>
Date: 12 Jun 90 12:43:15 GMT
References: <7278@gollum.twg.com>
Sender: news@bellcore.bellcore.com
Reply-To: jdn@casux4.UUCP (jonathan nagy)
Organization: Bell Communications Research, Inc.
Lines: 35
Posted: Tue Jun 12 13:43:15 1990

In article <7278@gollum.twg.com> sawyer@twg.com (Bruce B. Sawyer) writes:
>This past Sunday (June 10) I had a qso with a person using the call ZA5DX.
>Normally, I'd write this off as a slim, but there are several things that
>give it a faint note of credibility:
> - There was an article in last week's "DX Bulletin" that Zoli, HA?PP, is
>   now in Tirana trying to get permission to operate as a ZA;
> - Zoli (aka XU?DX, XU?CW, etc.) usually gets the calls ending in "DX" (for
>   SSB) and "CW" (for CW);
> - The ZA5DX I contacted gave Zoli's call, HA?PP, as the QSL route.
> - The guy was experienced at working pile-up's, and seemed to have the same
>   style as Zoli.
>
>
>Does anybody have any more information on this one? I surely would like to
>   AA6KX
Here is an interesting piece of information. On Monday, I was discussing
the slim with Guy, KE2CG. Guy told me that at the moment the ZA was

posted on the packet cluster, he (KE2CG) happened to be in qso with Zoli, HA5PP! He told Zoli about it who got all excited-" Yeah? where is the guy, I want to go work him!"

According to most sources (including Guy, which is only third hand) Zoli's trip was purely exploratory, he brought no radios with him, and was a big success. He obtained official permission to operate from Albania, and should be on the air within 2 to 3 weeks.

Then you can work the real thing!

73, Jon NK2D

Jonathan Nagy
jdn@navaho.cc.bellcore.com
(201) 699-4445

From -761140397060667322
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e9ea3759e6c653c0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,e9ea3759e6c653c0,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-06-12 18:51:47 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: The bands are dead!
Keywords: Sun Blew Up Again...
Message-ID: <1990Jun13.015147.4993@lopez.UUCP>
Date: 13 Jun 90 01:51:47 GMT
Followup-To: rec.ham-radio
Organization: Great White North/UPlink
Lines: 48
Xref: gmdzi rec.radio.shortwave:1435 rec.ham-radio:12142
Posted: Wed Jun 13 02:51:47 1990

The title says it all. I just sat down for a nice peaceful evening of a little SWL'ing and Hamming (I do both)... AND the bands are dead, at least up here in the aroural zone (Marquette, Michigan, the land that time forgot)... When I say DEAD, I mean Dead. I can not get WWV anywhere. 75 meters is totally gone. SHORTWAVE stations sound like they are under water, and nobody is higher than S-2. Surprisingly, W1AW was there at 0130 with their bulletin on 21329.8 (announced 21390, they can not get closer to the freq than good old Glen Baxter can)...

Is it just ME, or is this the WORST solar peak you can remember. I mean dismal dismal dismal. Sunspots are supposed to being exciting stuff to the HF bands, but what the sunspot giveth, the solar flare taketh away.

Previous solar cycles brought me some great SWL reception, and wonderful memorable ham contacts with coathanger antennas all over the world.

Not so this time. This cycle has been a bust IMHO. The bands have been literally DEAD for days on end. No communication in or out. This is my THIRD solar cycle as an active radio nut. This time I have much more sophisiticated equipment, AND more time to play with it than the last two... (Well I used to skip school to play TV DXer when the e's came alive back when I was a kid...)

I have had very few memorable days playing with DX this time around. What I remember the most from this cycle is the total trashing of the bands many many many times. Some of it is the black hole effect (as posted previously) but I am sure that this dismal reception must be affecting others as well. Days when the band is "broken" seem to happen far more regularly than I can ever recall.

Thank goodness that usenet is not affected by solar flares (to a GREAT degree, though I blame a big one for bring lopez down... gotta blame something...)

Hello, CQ CQ CQ USENET. CQ CQ CQ CQ USENET. THIS IS WB8EOH. WIND BAG NUMBER EIGHT ECCENTRIC OLD HERMIT, WB8EOH, WHITE BREAD 8 EXTRA OILY HAMBURGERS.... CALLING AND STANDING BY....

click

crackle crackle hissssssssssssssss

```
--
=Marquette MI: It's Not the END of the world, but you can see it from here=
==  Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash)  GWN UPLink  ==
==  3.950  Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================
```

```
From -1753825237332533090
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,82896b9f0b26bceb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,82896b9f0b26bceb,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-06-12 20:29:46 PST
Path: gmdzi!unido!mcsun!uunet!wa3wbu!compnect!daveh
From: daveh@compnect.UUCP (Dave Hultberg)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Computer Control of PRO-2004/5/6
Keywords: Computer Control of Scanner
Message-ID: <622@compnect.UUCP>
Date: 13 Jun 90 03:29:46 GMT
Organization: John Core at home, Harrisburg,PA
Lines: 12
```

Xref: gmdzi rec.radio.shortwave:1437 rec.ham-radio:12145
Posted: Wed Jun 13 04:29:46 1990

Not too long ago several articles were posted by individuals who had successfully modifed their PRO-2004 or 2005 so that a computer could input frequencies into memory. I attempted to email questions to whoever posted the articles, but my site's outgoing mail got hosed up and dumped instead of being sent. I would really like to modify my PRO-2004 for as much computer control as possible. Would anyone who has done this please post or email directions on how you did it. 73

```
--
=============================================================================
Dave Hultberg   Radio:  KA3UZR             UUCP:  uunet!wa3wbu!compnect!daveh
CIS:  72437,3215   US Snail:  1407 Concord Road, Mechanicsburg, PA  17055-1955
```

From -4550070595984750464
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c1ff89ee51515600,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-12 21:49:05 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!NISD.CAM.UNISYS.COM!doug
From: doug@NISD.CAM.UNISYS.COM (Doug Hardie)
Newsgroups: rec.ham-radio
Subject: Items for sale
Message-ID: <9006121728.AA26402@KRONOS.NISD.CAM.UNISYS.COM>
Date: 12 Jun 90 17:28:09 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Tue Jun 12 18:28:09 1990

Once again the number of for sale message has started to rise. Now that Arpanet is gone, does that mean that this is a commercial media for any commercial use I might desire?

-- Doug   WA6VVV

From 1608740804308121293
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d371a52b2a6ad3b4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-12 21:49:06 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!skvax1.csc.ti.com!anderson
From: anderson@skvax1.csc.ti.com (John H. Anderson N5OPY)
Newsgroups: rec.ham-radio
Subject: Butternut Butterfly for sale
Message-ID: <9006121722.AA17077@ti.com>
Date: 12 Jun 90 17:14:02 GMT

Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Tue Jun 12 18:14:02 1990

I have a Butternut 10m Butterfly that I would like to sell,
or trade for an older 2m ht or TNC2 clone.

Am asking $75.

--
John H. Anderson, N5OPY
anderson@skvax1.csc.ti.com

From -6603259894724486043
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae87c61a01be8e4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-12 22:11:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!zaphod.mps.ohio-state.edu!
sdd.hp.com!hplabs!hpda!hpcupt1!hprnd!hprmokg!barry
From: barry@hprmokg.HP.COM (Barry Fowler)
Newsgroups: rec.ham-radio
Subject: Re: California Help Needed
Message-ID: <29490014@hprmokg.HP.COM>
Date: 13 Jun 90 05:11:00 GMT
References: <93331@kean.ucs.mun.ca>
Organization: HP Networked Computer Mfg. Operation
Lines: 435
Posted: Wed Jun 13 06:11:00 1990

rockwood@kean.ucs.mun.ca writes:

>With a California trip fast approaching, and plans to be in
>Sacramento, San Francisco and Los Angeles over a 3 and 1/2
>week period, I hope to do some operating on 2 meters. Does
>anyone have a listing of OPEN repeaters for these areas? I'm

This one is of general interest so I'll reply over the net.
Check below for a repeater listing. It is a couple of years old
but all of the repeaters I use are current.

>So would anyone have any recommendations on Ham Stores in
>Sacramento particularly??
>Please E-Mail

I'll send you this info via e-mail.

>Thanks in advance.
>

>Art Rockwood VO1AX

'Welcome,
Barry WB6JZL

output	input	offset	location	call
4505	5105	600	Hollywood Hills	w6ord
4945	6475	1530	#Oat Mt.	wd6fab
4950	4950	0	Sacramento	w6ti
4970	7410	2440	#Johnstone Peak	ka6ncr
4985	6475	1490	Irvine	ka6eek
5035	6505	1470	#Venice	n6jlr
5110	4510	-600	Lompoc	wb6qev
5110	4510	-600	San Pablo/San Pablo	wd6ezc
5120	4520	-600	Running Springs	wb6zir
5130	4530	-600	#Willits/Laughlin Ri	wd6fgx
5130	4530	-600	Vacaville	nc6x
5130	4530	-600	#Hayward	k6eag
5130	4530	-600	Meadow Lakes/Bald Mt	wb6tia
5140	4540	-600	Santiago Peak	w6cnl
5150	4550	-600	#Bakersfield/Brecken	wa6qfj
5150	4550	-600	#San Francisco/San B	w6pw
5160	4560	-600	Santiago Peak	ka6eek
5160	4560	-600	Heaps Peak	y
5170	4570	-600	#Manteca	wb6mfv
5170	4570	-600	#Jenner	wb6rhp
5170	4570	-600	#Atascadero	n6ahw
5180	4580	-600	Pasadena	w6mph
5180	4580	-600	#Hanford	k6rgz
5180	4580	-600	Santa Ynez Peak	wb6rdv
5190	4590	-600	Alum Rock	wa2ibm
5190	4590	-600	Sacramento	k6is
5200	4600	-600	Monterey Park	n6bwe
5200	4600	-600	Juniper Hills	w9ttt
5210	4610	-600	Stockton/mt. Delux	wa6sek
5220	4620	-600	Santiago Peak	wb6dnu
5230	4630	-600	Palo Alto	w6apz
5230	4630	-600	Sacramento	w6jyq
5240	4640	-600	#Hanford	n6dtz
5240	4640	-600	Van Nuys	nk6s
5240	4640	-600	#Monterey	n6ahw
5250	4650	-600	#Sonoma Mt.	wa6ygd
5250	4650	-600	#Sonora	wb6lsc
5250	4650	-600	Stockton/Mt. Delux	wa6fbf
5260	4660	-600	Corona	wa6yec
5260	4660	-600	Santiago Peak	w6krw
5260	4660	-600	Malibu	k6aze
5270	4670	-600	#Auburn	wb6gwz
5270	4670	-600	Mountain View	w6ash
5280	4680	-600	Camarillo	wa6vbu
5280	4680	-600	Vista	wd6fcg
5280	4680	-600	Table Mt.	wb6tzs

5290	4690	-600	Mt. Tamalpais	wa6twx
5290	4690	-600	Grizzley Peak	wa6twx
5300	4700	-600	Mt. disappointment	k6cpt
5310	4710	-600	Cohasset Ridge	wd6cpm
5310	4710	-600	#Portervill/Bule Rid	wa6cyn
5310	4710	-600	Mt. Diablo	k6pou
5310	4710	-600	#Fowler Peak	k6lhr
5310	4710	-600	#Vallejo	wa6yxv
5320	4720	-600	San Diego	wd6app
5320	4720	-600	Redondo Beach	w6trw
5340	4740	-600	Santa Barbara	ke6ki
5340	4740	-600	Orange	wa6lur
5350	4750	-600	#Breckenridge	wa6qfj
5350	4750	-600	#Shasta Bally	w6qwn
5370	4770	-600	Belmont	kb6wr
5370	4770	-600	Livermore	wa6odp
5380	4780	-600	Palmdale	ca6twt
5380	4780	-600	Palos Verdes	wa6tmj
5380	4780	-600	Garden Grove	w6tas
5380	4780	-600	Pt. Loma	n6gwy
5380	4780	-600	Snow Summit	wb6riw
5390	4790	-600	Stockton/Mt. Oso	wd6ejf
5400	4800	-600	Fullerton	n6me
5410	4810	-600	Ojai	n6fl
5410	4810	-600	#Mt. Diablo	wa6euz
5420	4820	-600	Idyllwild	w6nbj
5420	4820	-600	Beverly Hills	wa6olx
5420	4820	-600	Newport Beach	wb6sfx
5430	4830	-600	#Huckleberry Hill	n6ahw
5430	4830	-600	#San Martin	k6thr
5430	4830	-600	Livermore	wa6odp
5430	4830	-600	Auburn	k6arr
5440	4840	-600	Lemon Grove	aa1z
5450	4850	-600	#Los Gatos	k6fb
5460	4860	-600	Buzzard Peak	w6fxn
5470	4870	-600	Salinas	k6je
5470	4870	-600	Quincy/Mt. Hough	k6bjf
5480	4880	-600	Mt. Lukens	ad6p
5490	4890	-600	#Beacon Hill	wa6euz
5490	4890	-600	#Williams Hill	ka6azi
6025	6625	600	Cactus City/Indio	k6eo
6025	6625	600	Pomona	w6elz
6025	6625	600	La Canada	wb6zty
6055	6655	600	#Porterville/ Blue R	y
6070	5470	-600	#San Jose	wa6tkt
6085	6685	600	Anza	k6vds
6085	6685	600	#Palo Escrito	n6ahw
6085	6685	600	San Diego	k6opy
6085	6685	600	Duarte	ka6amr
6115	6715	600	Beverly Hills	k6cjx
6145	6745	600	#Donner Beacon	wa6fwu
6145	6745	600	Foresthill	wa6znm
6160	6760	600	San Diego	w6ss

6160	6760	600	Box Springs	w6skf
6160	6760	600	Blythe	w6skf
6160	6760	600	sunland	w6jam
6160	6760	600	#Foothill Glen	w6oth
6175	6775	600	Whittier	w6gns
6190	6790	600	Santee	wa6bgs
6235	6835	600	Pine Grove	wa6wiy
6235	6835	600	Palos Verdes	wa6rja
6265	6865	600	Van Nuys	k6qyb
6265	6865	600	Lyons Peak	w6ss
6355	6955	600	Monterey Park	k6dlg
6355	6955	600	#Mt. Diablo	wb6biu
6385	6985	600	#San Jose	w6uu
6385	6985	600	Hall Mt.	wa6kbd
6610	6010	-600	#Casa Roblo Peak	k6pxf
6610	6010	-600	Los Angeles	wb6aam
6610	6010	-600	#Eureka	w6rnl
6610	6010	-600	#Woodside	w6ede
6610	6010	-600	#Meadow Lakes	wa6sbm
6610	6010	-600	#Cambria	wb6iiy
6610	6010	-600	El Cajion	ka6eeg
6625	6025	-600	#Pleasanton	wa6odp
6625	6025	-600	#Rocklin	wb6cun
6640	6040	-600	South Fork Mt.	wa6ieo
6640	6040	-600	#Donner Beacon	wa6fwu
6640	6040	-600	Mt. Otay	wb6wlv
6640	6040	-600	Loma Prieta	w6wsh
6655	6055	-600	Whittier	wa6gev
6655	6055	-600	#Richmond	wa6khg
6655	6055	-600	#Santa Barbara	wa6ruj
6655	6055	-600	#Livermore	wa6odp
6670	6070	-600	Lancaster	wb6rsm
6670	6070	-600	Inperial Beach	nf6b
6670	6070	-600	#Mt. Shasta	wa6wtt
6670	6070	-600	Thousand Oaks	n6jmi
6670	6070	-600	#Shingle Springs	w6jyb
6670	6070	-600	#Mt. Adelaide	wa6cls
6670	6070	-600	Mt. Lopse	w6biiy
6670	6070	-600	#Skyline Ridge	wb6shu
6670	6070	-600	Table top Mt.	wb6pmf
6670	6070	-600	Bel Air	wa6piv
6685	6085	-600	Marysville/Sutter Bu	wd6axm
6700	6100	-600	Fresno	wb6itm
6700	6100	-600	#Eureka	w6rnl
6700	6100	-600	Desert Hot Springs	w6bby
6700	6100	-600	Borrego Springs	wa6mdd
6700	6100	-600	Excondido	w6mno
6700	6100	-600	Mt. Tamalpais	k6gwe
6700	6100	-600	os angeles	w6iwo
6715	6115	-600	#San Jose/Mt. Hamilt	wb6adz
6730	6130	-600	#Weaverville	wd6fhx
6730	6130	-600	Hauser Peak	k6gxo
6730	6130	-600	Oxanrd	wb6ztx

6730	6130	-600	Industrial Hills	k0jpk
6730	6130	-600	#Williams Hill	w6lio
6730	6130	-600	#Santa Rosa/Sonoma M	wb6pvs
6730	6130	-600	Mt. Palomar	w6nwg
6745	6145	-600	Garden Grove	no6b
6745	6145	-600	El Cajon	ka6kta
6760	6160	-600	Lake Elsinore	w6wpp
6760	6160	-600	#San Luis Obispo	w6bhz
6760	6160	-600	#San Jose/Mt. Chual	wb6oqs
6760	6160	-600	Barstow	w6zgc
6760	6160	-600	Shasta Bally	w6qwn
6760	6160	-600	Point Mugu	wd6bzs
6760	6160	-600	#Mt. Pierce	w6rnl
6760	6160	-600	Mazourka Peak	w6td
6775	6175	-600	#Livermore	wa6odp
6790	6190	-600	#Fort Bragg	na6t
6790	6190	-600	#Meadow Lakes	wb6jit
6790	6190	-600	#Yreka	k6zza
6790	6190	-600	Yucca Valley	ks6t
6790	6190	-600	Lake Hughes	wb6nrl
6790	6190	-600	#Garberville	ke6wc
6790	6190	-600	#Santa Cruz	k6bj
6790	6190	-600	Santa Barbara	k6tz
6790	6190	-600	San Francisco	wb6fdt
6790	6190	-600	Anaheim	kc6k
6805	6205	-600	Saddel Peak	w6tez
6805	6205	-600	signal Hill	w6thp
6805	6205	-600	#Mt. Hamilton	wr6lpz
6805	6205	-600	#Pollock Pines	ka6gwy
6805	6205	-600	#Cuesta Park	wb6fmc
6820	6220	-600	Johnstone Peak	w6fno
6820	6220	-600	Clovis/Fresno	k6kdm
6820	6220	-600	Onyx Peak	w6fno
6820	6220	-600	Dunsmuir	w6omr
6820	6220	-600	3fort Bragg	wa6fbl
6820	6220	-600	#Roundtop Mt.	wb6aee
6820	6220	-600	#San Diego	wa6eeh
6835	6235	-600	Big Sur	wb6ggy
6850	6250	-600	#Mt. San Bruno	wa6qfr
6850	6250	-600	Crestline	w6jbt
6850	6250	-600	#Bear Mt.	k6kdm
6850	6250	-600	Thousand Oaks	wa6iyz
6850	6250	-600	Chico	w6rch
6850	6250	-600	#South Lake Tahoe	w6csp
6865	6265	-600	#Woodside	wb6jkv
6865	6265	-600	#Rolph Mt.	wb6rhc
6880	6280	-600	#Susanville/Hamilton	w6fxp
6880	6280	-600	#Oakland Hills	wb6cts
6880	6280	-600	Riverside	w6tj
6880	6280	-600	#Crescent City	w6hnl
6880	6280	-600	Ukiah/Sanel Mt.	wa6qxv
6880	6280	-600	#Visalia/Bule Ridge	wa6bai
6880	6280	-600	#Paso Robles	w6ydz

6880	6280	-600	Stockton/Mt. Oso	wa6tcg
6880	6280	-600	Escondido	w6mnh
6880	6280	-600	Bishop	w6cpy
6880	6280	-600	Sulphur Mt.	wa6ztt
6895	6295	-600	Orange	w6krw
6895	6295	-600	Crystal Peak	w1pw
6895	6295	-600	Pleasant Hill	k6ih
6910	6310	-600	Running Springs	kj6b
6910	6310	-600	Sacramento	w6ak
6910	6310	-600	Mt. Otay	w6lnb
6910	6310	-600	#Mt. McKittrick	wb6vgz
6910	6310	-600	#Salinas	wb6can
6910	6310	-600	#Sonoma Mt.	wb6sxc
6925	6325	-600	Pacifica	wa6tow
6925	6325	-600	#Modesto	wa6oyf
6925	6325	-600	Los Angeles	kb6gy
6925	6325	-600	Baldwin Hills	wa6tfd
6925	6325	-600	San Clemente	w6pmj
6940	6340	-600	Victorville/Quartzit	wa6efw
6940	6340	-600	Pomona	wb6rsk
6940	6340	-600	Disneyland	wa6biz
6940	6340	-600	Palm Springs	k6an
6940	6340	-600	Santa Maria	wb6iiy
6940	6340	-600	Silver Peak	n6bvi
6940	6340	-600	#Pacific Grove	n6ahw
6940	6340	-600	Meadow Lakes	w6to
6940	6340	-600	Chico	w6ece
6940	6340	-600	Ridgecrest	wa6ybn
6940	6340	-600	Los Angeles	k0jpk
6940	6340	-600	#Mt. Pratt	w6rnl
6940	6340	-600	Fremont	w6jka
6970	6370	-600	Oxnard	wa6oys
6970	6370	-600	Trona	wb6lyb
6970	6370	-600	Vista	k6yuh
6970	6370	-600	#Exeter	wa6rlw
6970	6370	-600	Berryessa Peak	w6hir
6970	6370	-600	Saugus	wa6nis
6970	6370	-600	Fullerton	k6qeh
6970	6370	-600	#monterey	k6ly
6970	6370	-600	#San Leandro	wb6hmd
6970	6370	-600	Barstorw	wa6qod
6985	6385	-600	#Lake Tahoe	w6csp
6985	6385	-600	Keller Peak	wb6rsd
6985	6385	-600	#Coalinga	kb6air
7000	7600	600	#Eureka/Horse Mt.	w6rnl
7000	7600	600	Hollywood Hills	cb6bjm
7000	7600	600	#Hanford	k6rgz
7000	6400	-600	#Salinas	wb6huk
7000	7600	600	#Saddle Peak	wb6bjm
7000	6400	-600	Mt. Vaca	wa6ugy
7000	7600	600	Santa Barbara	n6zf
7015	7615	600	santiago Peak	Wa6mpv
7015	7615	600	Signal Hill	wa6mpv

7015	7615	600	Mt. Wilson	ku6l
7015	7615	600	Niles District	w6skm
7030	7630	600	#Redding	n6icz
7030	7630	600	Bel Air	w6njy
7030	7630	600	#Bakersfield	wa6gml
7030	7630	600	#San Leandro	n6dod
7030	7630	600	Poway	wa6ilh
7030	7630	600	#Gualala	ae6u
7030	7630	600	#Mt. Bullion	w6bxn
7045	7645	600	#Sunol	wa6sbj
7060	7660	600	#Tehachapi	k6rl
7060	7660	600	Bishop	w6iwy
7060	7660	600	Costa Mesa	n6fm
7060	7660	600	El Paso Peak	w6iwy
7060	7660	600	Chula Vista	w6tie
7060	7660	600	#San Ramon/Mt. Diabl	w6cx
7060	7660	600	Twentynine Palms	wa6aty
7060	7660	600	#Visalia	wa6blb
7060	7660	600	#Eureka/Horse Mt.	wa6jwb
7075	7675	600	#Mt. Hamilton	wd6fxk
7075	7675	600	Lancaster	wb6fiu
7075	7675	600	fullerton	n6joq
7090	7690	600	Belmont	wb6ckt
7090	7690	600	Catalina Island	aa6dp
7090	7690	600	#Bakersfield	n6ur
7090	7690	600	#Mt. Patricia	k6kzt
7090	7690	600	#Delano	ka6bzp
7105	7705	600	#Sampson Peak	w7por
7105	7705	600	#Fresno	w7por
7105	7705	600	San Francisco	k6tw
7120	7720	600	Brawley	wb6pmf
7120	7720	600	#Santa Rosa	kd6lc
7120	7720	600	#Bakersfield	k6ape
7120	7720	600	Livermore	wa6odp
7120	7720	600	#Los Gatos	n6rz
7120	7720	600	Lompoc	w6eko
7120	7720	600	#Grass Valley	n6aub
7120	7720	600	Glendale	wa6nrb
7120	7720	600	Victorville	wa6efw
7150	7750	600	Tujunga	wa6yvx
7150	7750	600	Barstow	w6pvr
7150	7750	600	#Fresno	wb6qdn
7150	7750	600	Mt. Umunhum	wa6ycz
7150	7750	600	Mt. laguna	wa6yvx
7165	7765	600	Pine Grove	w6sf
7180	7780	600	Contractors Point	wa6bsc
7180	7780	600	#Crescent City	k6hy
7180	7780	600	Palos Verdes	w6loo
7180	7780	600	Mt. St Helena	wa6zqh
7180	7780	600	Coronado	kg6lf
7180	7780	600	San Bernardino	wa6caw
7180	7780	600	Madera/Deadwood Peak	w6wgz
7195	7795	600	Cuyamaca Peak	wb6sfj

7195	7795	600		El Cajon	wd6app
7195	7795	600		Santa Susanna	n6yn
7195	7795	600		Sacramento	n6icw
7195	7795	600		#Berkeley	wb6ixh
7210	7810	600		#Stockton	w6bwk
7210	7810	600		Sunset Ricge	wb6ggl
7210	7810	600		#Gilroy	k6thr
7210	7810	600		#Nipomo	wb6iiy
7210	7810	600		Covelo	wb6kfa
7225	7825	600		Lake Elsinore	k6jhx
7225	7825	600		Castro Peak	k6jhx
7240	7840	600		#Coalinga	w6dcp
7240	7840	600		Mt. Wilsom	w6mep
7240	7840	600		Lancaster	wa6twt
7240	7840	600		#San Leandro	w6rgg
7240	7840	600		Big Bear Valley	w6zju
7270	7870	600		#Vacaville/Mt. Vaca	w6aex
7270	7870	600		#Shandon	wb6rhr
7270	7870	600		#June Mt.	wa6tyu
7270	7870	600		Mt. disappointment	wa6ztr
7285	7885	600		#Half Moon Bay	wb6asd
7285	7885	600		#Grass Valley	w6zuz
7300	7900	600		Poway	n6aam
7300	7900	600		Upland	wb6qhb
7300	7900	600		Hesperia	ka6mna
7300	7900	600		Oat Mt.	wa6pps
7300	7900	600		#Bakersfield	k6acr
7300	7900	600		#San Mateo	n6ine
7300	7900	600		Chico	k6np
7315	7915	600		#Palo Alto	w6zyh
7330	7930	600		Big Bear	w6zju
7330	7930	600		#Coalinga	w6iyy
7330	7930	600		$choasset Ridge	wa6gnk
7330	7930	600		San Rafael/San Pedro	k6gwe
7360	7960	600		Mt. Laguna	ka6dac
7360	7960	600		Black Mt.	w6ti
7360	7960	600		Mt. Disappointment	k6vgp
7360	7960	600		Verdugo Peak	k6vgp
7360	7960	600		Palos Verdes	k6vgp
7360	7960	600		Mt. Wilson	k6vgp
7360	7960	600		Beverly Hills	k6vgp
7360	7960	600		Malibu	k6vgp
7375	7975	600		Palo Escrito	wb6sat
7390	7990	600		#Paradise	w6ece
7390	7990	600		#San Jose	ku6u
7390	7990	600		#Sacramento	wa6mnm
7390	7900	510		Sacramento	k6np
7420	6475	-945	?	#San Diego	wb6fzc
7435	6400	-1035	?	Sierra Peak	wb6jpi
7450	6595	-855	?	#Oat Mt.	wa6uzs
7465	6505	-960	?	#Running Springs	kb5zk
7645	7045	-600		Laguna Beach	wd6awp
7705	7105	-600		Victorville/Quartzit	wa6wwb

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      7705      7105   -600      Paradise/Red Mt.     k6biq
      7705      7015   -690            flint Peak     k6qqn
      7735      7135   -600   Clayton/Kregor Peak    wa6wvh
      7735      7135   -600        Magic Mountain      kb6c
      7735      7135   -600             Oceanside     w6fox
      7735      7135   -600            Loma Linda     w6fzv
      7765      7165   -600          #Simi Valley     k3hzp
      7765      7165   -600             San Diego     k6jey
      7765      7165   -600               Arcadia     w6qfk
      7825      7225   -600                Camino     w6hbh
      7825      7225   -600           #Anchor Bay      nx6g
      7825      7225   -600            San Martin     k6thr
      7825      7225   -600            San Martin     k6thr
      7855      7255   -600          #Mt. Bullion    wb6inm
      7855      7255   -600             San Diego    wa6zmz
      7855      7255   -600               Anaheim    wa6ynt
      7885      7285   -600             #Campbell     k6iln
      7885      7285   -600             San Diego    wa6ail
      7885      7285   -600         Thousand Oaks     n6jmi
      7885      7285   -600                Pomona    wb6iuk
      7915      7315   -600               Anaheim    wb6ypx
      7915      7315   -600             San Diego     k6ghm
      7945      7345   -600             3Monterey     n6ahw
      7945      7345   -600          Del Rey Oaks     n6hrx
      7945      7345   -600           Canoga Park    wd6ezi
      7945      7345   -600        #San Francisco     n6fjs
      7945      7345   -600         Santa Barbara     ke6ki
      7945      7345   -600          Skyland Peak      w6cv
      7975      7375   -600         Forrest Ranch    wb6sat
      7975      7375   -600  Watsonville/Loma Pri     w6ojo
      7975      7375   -600               Yucaipa     n6atf
      7975      7375   -600                Oxnard     n6ahi
      7975      7375   -600            San Marcos    wb0vsr
      7975      7375   -600             fullerton    wd6dpy
      7990      7390   -600              Mt. Otay     w6jam
      7990      7390   -600           Mt. Woodson     w6jam
      7990      7390   -600               Tujunga     w6jam
      7990      7390   -600       Running Springs     w6jam
      7990      7390   -600           Smokey Peak     w6jam
      7990      7390   -600       Borrego Springs     w6jam
      7990      7390   -600              Pt. Loma     w6jam
      7990      7390   -600           Hauser Peak    wb7usy
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From -327580796482711532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1c75e01dc8761df
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-12 22:36:59 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!rpi!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
```

Subject: Re: time for FCC to process a license application
Message-ID: <8490@crdgw1.crd.ge.com>
Date: 12 Jun 90 17:10:49 GMT
References: <9006061536.AA12961@frisky.Franz.COM> <10510009@hpcuhb.HP.COM>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@galaxy (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 14
Posted: Tue Jun 12 18:10:49 1990
In-reply-to: fel@hpcuhb.HP.COM (Skip La Fetra)

In article <10510009@hpcuhb.HP.COM>, fel@hpcuhb (Skip La Fetra) writes:
> My first license (exam taken Feb 12th) took 5 weeks to the day to be
> delivered in the mail.

I recently renewed (lapsed license, so a new call was involved).

After 3 weeks I got a letter saying they were processing my application.

The license arrived at about 7 weeks.

-don perley ke2tp. at least its shorter.

perley@trub.crd.ge.com

From -5737610924436293125
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c587bcbe825e278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-12 22:57:14 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pt.cs.cmu.edu!dsl.pitt.edu!
pitt!speedy.cs.pitt.edu!hoffman
From: hoffman@speedy.cs.pitt.edu (Bob Hoffman)
Newsgroups: rec.ham-radio
Subject: "X" callsigns (was: Re: USA ham call words -corrected)
Message-ID: <7856@pitt.UUCP>
Date: 12 Jun 90 17:28:14 GMT
References: <andreap.645128686@s.ms.uky.edu>
Sender: news@pitt.UUCP
Reply-To: hoffman@cs.pitt.edu (Bob Hoffman)
Organization: Univ. of Pittsburgh Computer Science
Lines: 31
Posted: Tue Jun 12 18:28:14 1990

In article <andreap.645128686@s.ms.uky.edu> andreap@ms.uky.edu (Stephen McNatton)
writes:

[slightly rearranged and edited]

>From   To   Service

```
>K0AA     K9WZ      Amateur
>K0YA     K9ZZ      Amateur

>K0AAA    K9WZZ     Amateur
>K0YAA    K9ZZZ     Amateur

>KA0A     KZ9W      Amateur
>KA0Y     KZ9Z      Amateur

>KA0AA    KZ9WZ     Amateur
>KA0YA    KZ9ZZ     Amateur

>KA0AAA   KZ9WZZ    Amateur
>KA0YAA   KZ9ZZZ    Amateur
```

And similarly for the As, Ns, and Ws. While it seems to be the case that 1x3 and 2x3 "X" calls are reserved for experimental licenses, this is certainly not the case for the 1x2, 2x1, and 2x2 calls. I know W2XO and KE8X myself, and a quick persual of the callbook shows KB3XC and KB4XA.

---Bob.

--
Bob Hoffman, N3CVL   {allegra, bellcore, cadre, idis, psuvax1}!pitt!hoffman
Pitt Computer Science   hoffman@cs.pitt.edu

From -1452820339093164851
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c1ff89ee51515600
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-13 01:58:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!usc!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Items for sale
Summary: let's be reasonable and astonish people thereby
Message-ID: <14304@ucsd.Edu>
Date: 12 Jun 90 19:25:47 GMT
References: <9006121728.AA26402@KRONOS.NISD.CAM.UNISYS.COM>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 44
Posted: Tue Jun 12 20:25:47 1990

Doug Hardie writes:
>Once again the number of for sale message has started to rise. Now that
>Arpanet is gone, does that mean that this is a commercial media for any
>commercial use I might desire? -- Doug   WA6VVV

You know better than that. If that was an attempt to be sarcastic, you missed.

It's an iffy question: ham radio itself cannot be used for commercial advantage, but the FCC has stated that buying and selling your own personal ham equipment isn't a commercial enterprise and so mentioning items in your shack that you'll trade for dollars (:-)) isn't against the regs. That might be relevant to how we treat the info-hams mailing list and rec.ham-radio newsgroup.

The newsgroup is a Usenet newsgroup, and as you know, anything goes on usenet. There is a ham swap newsgroup that is probably more appropriate.

The info-hams list isn't hosted on a Milnet site anymore, but at UCSD, a non-profit organization. We allow people here to put used equipment notices up on the various paper tack-boards around campus, and there is a swap column in the campus paper, so I'd suspect there's no rabid anti-money feeling by the administration as a whole on the subject of personal items for sale. I don't have an official policy decision on that and I'm loathe to ask. The various networks over which the articles travel undoubtedly have some sort of policies of their own.
A few months ago someone (Dave ?) resigned from the mailing list in a flaming Pyrrhic stroke claiming that it was illegal for his site to carry for-sale ads. So I've no solid feeling to go by.

I suspect that no reasonable person will mind an occasional mention that you have something that you'd like to part with by trading it for happy little bits of green paper, but I really don't want to encourage that because for some reason it really upsets the less stable element, particularly those at MILNET sites (although at the rate that mail is failing to hosts on the MILNET, they may never notice!).

So I'd like to encourage people to advertise ham radio items for sale elsewhere, and if you do see a message from someone ignorant of that guideline, please just GENTLY mention in a COURTEOUS way that it would be better for all concerned if they didn't do it again here.

Is this a reasonable policy that all can deal with?
     - Brian   (ayatollah of info-hams)

```
From 7557126177120231174
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,432e57038c2165ae,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-13 02:44:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!batcomputer!cornell!lrj
From: lrj@ishtar.cs.cornell.edu (Lewis Jansen)
Newsgroups: rec.ham-radio
Subject: DOVE query
Message-ID: <42092@cornell.UUCP>
Date: 12 Jun 90 20:44:02 GMT
Sender: nobody@cornell.UUCP
Reply-To: lrj@cs.cornell.edu (Lewis Jansen)
Distribution: rec
Organization: Lab of Atomic and Solid State Physics, Cornell University
Lines: 15
```

Posted: Tue Jun 12 21:44:02 1990

I recall a question posted here some time ago as to the current fate of DOVE, but never saw any replies. Does anyone know what's up with it? I also remember hearing that someone was uploading new software after the transmitter problem. What's the story?

Also, many thanks to all who helped out with the problem with my FT-101EE rig, especially Mark Bitterlich and Dube Todd. The problem is apparently a "classic" case of bad finals. When I get some time, I'll replace them, neutralize 'em, and see how it goes.

-- Lewis R. Jansen, N2KNV   lrj@helios.tn.cornell.edu
LASSP/LNS Systems Manager   (607) 255-6065

"You can't fight in here, this is the War Room!"

From -4728773857449302770
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eda307ef0622b7f7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-13 05:44:54 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!purdue!haven!decuac!shlump.nac.dec.com!carafe.enet.dec.com!goldstein
From: goldstein@carafe.enet.dec.com (Fred R. Goldstein k1io)
Newsgroups: rec.ham-radio
Subject: Re: Phone line low voltage and poor audio problem
Message-ID: <12405@shlump.nac.dec.com>
Date: 12 Jun 90 20:23:00 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 39
Posted: Tue Jun 12 21:23:00 1990

In article <3043@crash.cts.com>, mikey@pnet01.cts.com (Mike Shirley) writes...
>I have a repeater autopatch and personal phone lines comming into my
>residence. Both lines are sitting at 17-22 volts on-hook and 4.4-4.6 volts
>off-hook using a Western Electric model 2500D telephone set (standard TT desk
>phone). My understanding of the phone system is limitted but I would expect
>to have 45-51 volts at the service block. ...
>I checked the on-hook voltage at a neighbors residence and it was 46.3 volts.
>I called a friend in a distant community and he had 51.2 volts/51.5 volts and
>10.6 volts/10.6 volts on his 2 lines on-hook/off-hook. These 3 lines appear
>to be normal.
>The service rep response to this voltage comparison was that "the company
>doesn't gaurantee the line voltage.

Telco tolerances have a fair amount of leeway.

In general, a telephone line can have well below 48 volts and still be within what the telco deems acceptable. If you live more than a few cable-miles from the central office, you should expect it! In some cases the telco will have a mux out somewhere, so you're not fed power directly from the CO but from someplace closer, at whatever voltage you end up with (usually okay). That can account for differences among different lines in a neighborhood.

The audio level is what counts. If you dial the milliwatt test number (usually nxx-0010 in CA), you'll get exactlly 1 mw. at 600 ohms (or is it really 900?). It's "normal" to have 3-9 dB loss in the wire, so if you get less than -10 dBm or something, using a properly calibrated test set, you may have a problem. Low voltage per se does not mean low level; it could just be the nature of your battery feed and wire combination.

It's also possible you are just on too thin a wire pair (maybe part of the way), or they're using a really bogus mux (like the "AML") which normally delivers inadequate levels. Have fun getting telco to own up.

```
Fred R. Goldstein   goldstein@carafe.enet.dec.com
                 or goldstein@delni.enet.dec.com
                    voice:  +1 508 486 7388
```

From 795599699665908149
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f29e8d10fb03df06,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 111a55,f29e8d10fb03df06,start
X-Google-Attributes: gid111a55,public
X-Google-Thread: 114aac,f29e8d10fb03df06,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-06-13 06:35:58 PST
Path: gmdzi!unido!mcsun!sunic!nuug!hod!rpi!uwm.edu!bionet!apple!portal!atari!mn
From: mn@atari.UUCP (Mike Nowicki)
Newsgroups: comp.sys.atari.st,rec.radio.shortwave,rec.ham-radio
Subject: Atari ST ham software needed
Keywords: ham, Atari ST
Message-ID: <2215@atari.UUCP>
Date: 12 Jun 90 23:54:53 GMT
Organization: Atari Corp., Sunnyvale, CA
Lines: 18
Xref: gmdzi comp.sys.atari.st:25134 rec.radio.shortwave:1429 rec.ham-radio:12131
Posted: Wed Jun 13 00:54:53 1990

I'm looking for a ham radio group called ASTUR (or something similar to that) which is supposed to have PD disks with various ham radio programs for the Atari ST.

The address which I have used before doesn't get a reply even with an SASE. Does anyone know if they still exist, or of a site I could download from?

In particular I need a graphics oriented great circle program and any new WEFAX stuff that might be out there.

Thanks in advance.

```
------------------------------------------------------------------------------
|  Michael Nowicki   N6LUU      Atari Corp,Sunnyvale CA     /TT/UNIX/X team  |
|............................................................................|
|  char *disclaimer="  Views expressed are my own, not my employer's";       |
------------------------------------------------------------------------------
```

From -5920197602101636423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,691fe3534f2bcda2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-13 06:36:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!GTE.COM!pescatore_jt%ncsd.dnet
From: pescatore_jt%ncsd.dnet@GTE.COM
Newsgroups: rec.ham-radio
Subject: ZA On The Air??
Message-ID: <9006122140.AA16395@bunny.gte.com>
Date: 12 Jun 90 21:40:12 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4
Posted: Tue Jun 12 22:40:12 1990

A freind of mine, G4PDQ, called a local ham to tell him that a ZA was on, coming from the right direction. The ZA worked a bunch of EU stations and some Ws. Might be for real. I'm not sure I care, when ZA opens up it will be about as rare as Bulgaria or Romania.

From -2413311542823930546
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f680a8728bac7243,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-13 07:07:09 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!ucsd!ucbvax!tadams.austin.ibm.COM!tadams
From: tadams@tadams.austin.ibm.COM
Newsgroups: rec.ham-radio
Subject: tm731 European vs American versions
Message-ID: <9006131407.AA00412@tadams.austin.ibm.com>
Date: 13 Jun 90 14:07:09 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 3
Posted: Wed Jun 13 15:07:09 1990

Does anyone have any experience converting the American version to the European

version? The 450 band changes as do the steps. This is for an Italian friend
who is in the us on assignment. Tom WA5QZM

From 952484735818917137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f680a8728bac7243
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-13 07:11:47 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!tadams.austin.ibm.COM!tadams
From: tadams@tadams.austin.ibm.COM
Newsgroups: rec.ham-radio
Subject: tm731 European vs American versions
Message-ID: <9006131411.AA00418@tadams.austin.ibm.com>
Date: 13 Jun 90 14:11:47 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 3
Posted: Wed Jun 13 15:11:47 1990

Does anyone have any experience converting the American version to the European
version? The 450 band changes as do the steps. This is for an Italian friend
who is in the US on assignment. Tom WA5QZM

From -5556284846174472946
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7844f5e9c201b54f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-13 07:56:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!usc!rutgers!psuvax1!eds1!wa3wbu!compnect!daveh
From: daveh@compnect.UUCP (Dave Hultberg)
Newsgroups: rec.ham-radio
Subject: Re: QSLing
Summary: W3 QSL Bureau Rules
Message-ID: <623@compnect.UUCP>
Date: 13 Jun 90 14:56:22 GMT
References: <9006111248.AA22930@ucsd.edu>
Organization: John Core at home, Harrisburg,PA
Lines: 28
Posted: Wed Jun 13 15:56:22 1990

In article <9006111248.AA22930@ucsd.edu>, lwrclmr@SACEMNET.AF.MIL ("LWRCLMR") writes:
> Ref QSL INbound bureaus.
  stuff deleted
> How about it. Any members of the WVDXC out there to answer up? Anyone
> willing to post how bureaus are supposed to work? (Not just post references
> to read that we don't have access to?)

Each Incoming QSL has its own rules, so what I am about do post is only
guaranteed to represent 3rd call area policy. First, to get a copy of our

rules, all we ask for is an SASE. We operate strictly on an SASE basis. You send us SASEs (5x7 clasp envelopes) with at least one unit of postage. If you expect larger volumes of cards, you can put extra postage on the envelopes. As soon as the weight of cards on file at the bureau matches up with the postage on your envelopes, we drop it in the mail to you. We stamp or write last envelope on your last envelope when we mail it to remind you to send more SASEs. As a courtesy, we send a onetime postcard to hams who have cards on file at the bureau, but no envelopes. If they don't send the SASEs within 45 days of notification, the cards are discarded and a note is made in the file to discard all future cards. Believe it or not I have over 6 pounds of cards for one very active DXer that will soon be pitched if he doesn't get his act together. Hope this explanation helps. BTW, I would send your bureau a letter with an enclosed SASE and ask for an accounting of your funds. 73

```
--
==============================================================================
Dave Hultberg   Radio:  KA3UZR             UUCP:  uunet!wa3wbu!compnect!daveh
CIS:  72437,3215   US Snail:  1407 Concord Road, Mechanicsburg, PA  17055-1955
```

From -1769412021165818518
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,432e57038c2165ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-13 09:02:07 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!sdd.hp.com!
elroy.jpl.nasa.gov!jato!cduncan
From: cduncan@jato.Jpl.Nasa.Gov (Courtney Duncan N5BF)
Newsgroups: rec.ham-radio
Subject: Re: DOVE query
Summary: DOVE to return to 2 meters shortly
Keywords: DOVE microsat
Message-ID: <4011@jato.Jpl.Nasa.Gov>
Date: 12 Jun 90 21:34:55 GMT
References: <42092@cornell.UUCP>
Reply-To: cduncan@jato.Jpl.Nasa.Gov (Courtney Duncan N5BF)
Distribution: rec
Organization: Jet Propulsion Laboratory, Pasadena, CA
Lines: 18
Posted: Tue Jun 12 22:34:55 1990

There was no transmitter problem with DOVE, a software problem caused the two meter transmitter to lock on making it nearly impossible to command.

Once control was regained, it was left executing from the onboard ROM loader (MBL) with the S-band transmitter only turned on. It has been reasonably healthy and safe ever since. The S-band transmitter is on 2401.2205 MHz.

At the moment, DOVE is top priority for microsat software development. A software reload (using the under-modulated S-band transmitter for return acks and nacks) was to have started last weekend. As soon as we're absolutely sure everything is right, the two meter transmitter will be re-activated. Shortly thereafter, some digitalker messages will be tested.

We are aware of the tremendous popularity and potential for DOVE with its two meter FM transmitter, therefore we have to be incredibly careful in developing, and later managing its operation.

73, Courtney, AMSAT-NA VP Operations

From -8652285145515306576
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac598d95f0cbd19d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-13 09:49:59 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!natinst!sequoia!attdso!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: QSL Basics
Summary: all about QSLs
Message-ID: <826@ssc.UUCP>
Date: 13 Jun 90 16:49:59 GMT
References: <9006071545.AA17103@ucsd.edu>
Organization: very little
Lines: 119
Posted: Wed Jun 13 17:49:59 1990

In article <9006071545.AA17103@ucsd.edu>, wmartin@STL-06SIMA.ARMY.MIL (Will Martin) writes:
> We've been discussing this topic like we all know what we're talking about,
> but I know that's not true in my case... :-)

Don't feel bad....it can be fairly complicated to the uninitiated!
>
> Anyway, how about some basic info? I know what a QSL card is, and understand
> hams exchanging them directly. But when we get into the infrastructure of
> all these extensions and enhancements that have been build up around this
> simple exchange, I really don't understand what the details are.
>
> Just who is a "QSL Manager"?

He is someone who handles cards for another ham. Many times it is someone in the USA who handles QSLs for a DX ham. The foreign ham says "QSL VIA W6XYZ", and then sends W6XYZ copies of his log. If you want the DX QSL, you send an SASE to W6XYZ along with your QSL, and he sends a card back for the foreign ham.

Who takes on such a job and why? Are they
> "appointed" by a foreign ham,

YES.

and are there people clamoring to get

> these positions,

NO.

 or are they people who volunteer to experience drudgery
> and annoyance for the sake of a foreign ham who is a personal friend, or
> what?

YES.

 Is the usual thing that one person is a "QSL Manager" for many
> foreign hams, or is this a one-to-one thing normally?

It can be either. Some QSL managers do it for many stations.

 Are there "QSL
> Managers" outside the US, or is this something that is US-unique?

Yes, there are QSL managers outside the USA. I think that most of
them are here, just because there are so many U.S. hams who are in
the pileup collecting cards. But a QSL manager can be anywhere.
Going through a manager in a foreign country is not as easy, because
you need to send a donation rather than an SASE (unless you have a
collection of foreign postage).

>
> What is a "bureau"? Who runs it/them, and why? Does each country have
> one? Do they have any "official" status, like being registered with that
> country's FCC-equivalent?

Here is how a bureau (or BURO) works. They are not registered or regulated,
but are generally run by the national ham radio organization in the country
that they are in.

In the USA we have a bureau for each call area. You send a 5x7inch
envelope to the bureau with several ounces of postage on it, your
return address on the front, and your callsign in block letters in
the upper left corner. Actually, send several. The addresses are
printed in QST a couple of times per year, are also in the ARRL
Operating Manual, and are in the DX Callbook. They file it in
alphanumeric order, and when they fill up an envelope (or a long
time has passed with no more cards) they seal it and drop it in the
mail to you.

Overseas hams send bunches of cards directly to the ARRL HQ, and they
are then distributed to the regional bureaus. Every month or so the
volunteers at the bureaus sort the cards and mail them.

For outgoing cards, you can send these direct, send them to the
incoming bureau for the country, or use the ARRL outgoing bureau
(if you are an ARRL member). The outgoing bureau is great. You
pay $2/pound, sort your cards alphanumerically, and send them
off to ARRL HQ with your QST mailing label. At HQ they sort

them by country, and ship huge boxes of cards to the incoming bureaus of each country. This is the cheapest way to go, and will work for most run-of-the-mill overseas contacts, EXCEPT when the recipient is not using the bureau in his country, or only uses a QSL manager.

Note that the outgoing bureau is in Newington, and you incoming bureau is somewhere in your call area. When you move to another call area but don't change calls, you still use the bureau in your old call area.

.>
> When did this stuff start? Any history notes or comments?

It just sort of evolved.

>
> Post responses, don't mail them; this should be of interest to all the people out there who post "how can I become a ham?" or similar new-guy type queries.

OK. I hope this helps.

Ask the ARRL for copies of their sheets on the OUTGOING QSL BUREAU and the INCOMING QSL BUREAU. Their address is ARRL, 225 Main St, Newington, CT 06111.

You can also reach them via e-mail from usent at:

....mcimail.com!2155052

>
Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -7310213943264616373
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64101f0c7d9228f2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-13 13:54:40 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.HP.COM (Jim Hollenback)
Newsgroups: rec.ham-radio

Subject: Battery Charge Info Wanted
Message-ID: <7120126@hpcupt1.HP.COM>
Date: 13 Jun 90 20:54:40 GMT
Organization: Hewlett Packard, Cupertino
Lines: 5
Posted: Wed Jun 13 21:54:40 1990

I would like to get the charge verus voltage figures for a lead-acid
wet cell. Five points, 0%, 25%, 50%, 75%, and 100% will be adequate.
Thanks and 73's
Jim, WA6SDM
jholly@hpcupt1.hp.com

From 2955102038930312442
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,47756765c799a2ca
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-13 17:52:22 PST
Path: gmdzi!unido!mcsun!uunet!nems!ark1!uakari.primate.wisc.edu!samsung!
cs.utexas.edu!usc!apple!portal!cup.portal.com!Justin_Randall_Padawer
From: Justin_Randall_Padawer@cup.portal.com
Newsgroups: rec.ham-radio
Subject: Re: specific 73 magazines needed--HELP!!
Message-ID: <30736@cup.portal.com>
Date: 13 Jun 90 04:53:54 GMT
References: <30533@cup.portal.com> <5120010@hpindda.HP.COM>
Organization: The Portal System (TM)
Lines: 2
Posted: Wed Jun 13 05:53:54 1990

Thanks to everyone for offers of help. I now have the magazines I
needed. Thank you again. --Randy, WA4FJF

From 8671323512967649076
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,479c8bedc2ec8a55
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-13 18:00:05 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!uokmax!occrsh!att!cbnewsk!wheatley
From: wheatley@cbnewsk.att.com (steven.m.wheatley)
Newsgroups: rec.ham-radio
Subject: Re: IRCs
Keywords: cashing them
Message-ID: <1990Jun13.035844.7924@cbnewsk.att.com>
Date: 13 Jun 90 03:58:44 GMT
References: <31439@ut-emx.UUCP>
Organization: AT&T Bell Laboratories
Lines: 57
Posted: Wed Jun 13 04:58:44 1990

In article <31439@ut-emx.UUCP>, oo7@ut-emx.UUCP (Constructive Frivolling) writes:

> Has anyone actually tried cashing an IRC? Are the USPO staff as clueless about cashing them as they sometimes are when you buy them? Some of those folks seem to have a hard job reading English, so the French on the front must be a real challenge for some of them.

You hit the nail on the head here! The Post office is usually not fully aware of IRCs' unless you go to a big one, and catch the right clerk at the right time. Usually, they are more than willing to resort to a huge manual, and after a few minutes, determine that it is 40 cents per each dx IRC (which is why I usually sell them to other hams .....)

>
> One thing that's useful to know is that if the IRC originated in the USA you can cash it for 1 cent less than the face value. The others get you the equivalent of an overseas stamp for surface mail - so in principle you cover the return postage for a QSL card with one IRC, if you don't mind it coming back via surface mail. In my limited experience as a QSL manager, I always reply airmail if I am sent one IRC - the IRC is worth 45c to me, which is the overseas air postage

SOMETIMES! If you read the fine print, you can only get 1cent under face value if you are the purchaser of the irc! I recently returned from Singapore with a few hundred of these type of IRCs...and it took several trips to the post office before I was able to get 94 cents for each one. Usually, they tried to give me 40 cents...only once did the 'fine print' come into play. Face it, IRCs are a darn hassle!

> I have this, er, friend, that has a number of IRCs that are incorrectly stamped (no stamp, or it's on the wrong side). This friend would feel happier cashing them in for 40c than sending them to DXers who might regard them as worthless. Are the USPO guys clued in? Of course, IRCs are rarely cashed, they get sold or traded for QSL cards, but when a new issue comes out someone must be left holding the baby. How much notice do we get when a new issue is imminent?

I think the last time the issue was changed, there was a few year redemption period...this was about 10 years ago, i recall.
Sometimes a post office will redeem 'improper' stamped IRCS. I know that some QSL managers sell this kind of IRC for the normal 50 cents....which has led to a bunch of moaning about 'salting' the good IRCs they sell with bad ones. I personally pitch them, or return them with the QSL card with a stock note saying...these ain't worth the paper they are printed on. In almost every case, I usually get a note with either 2 (or sometimes more?!) IRCS in return that are GOOD, or a Green Stamp, or whatever. Most hams (and post offices) are uninformed of the proper method of issuing a IRC. It MUST be stamped on the left side (which says "Empreinte de controle du pays d'origine (date facultative).

cheers

--

Steven Wheatley   AT&T Consumer Products   (317) 845-3927

....!att!inuxz!wheatley

From 735475330404780362
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e0fd53283bf69e99,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-13 18:01:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Bounced mail
Message-ID: <9006131341.AA08368@ti.com>
Date: 13 Jun 90 13:40:59 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Wed Jun 13 14:40:59 1990

I tried to reply to Chris piggot's note Re: concerns over TCP/IP but it
bounced. My Mailer-daemon gave me this:

```
  >554 ccird7!cep... No local host called ccird7 in cep @ ccird7
```

Is this a problem on my end? I've been trying to reach Chris for months
with no luck.

Dube

From 3182085858763265383
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c587bcbe825e278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-13 18:12:20 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!mailrus!iuvax!purdue!
haven!udel!burdvax!bigburd.PRC.Unisys.COM!darrel
From: darrel@bigburd.PRC.Unisys.COM (Darrel J. Van Buer)
Newsgroups: rec.ham-radio
Subject: Re: "X" callsigns (was: Re: USA ham call words -corrected)
Message-ID: <14104@burdvax.PRC.Unisys.COM>
Date: 13 Jun 90 12:35:20 GMT
References: <andreap.645128686@s.ms.uky.edu> <7856@pitt.UUCP>
Sender: news@PRC.Unisys.COM
Organization: Unisys Corporation, Culver City, CA
Lines: 5
Posted: Wed Jun 13 13:35:20 1990

Also, the X experimental call reservation does NOT seem to apply to N series
calls, since here in California, I started hearing a number of tech/general
N6X** calls (by September, all the N6*** calls will be used!)

Darrel Van Buer, KI6VY

From -2823255497889837977
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,422c3e20c4e0882d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-13 18:17:12 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!ucbvax!NISD.CAM.UNISYS.COM!
doug
From: doug@NISD.CAM.UNISYS.COM (Doug Hardie)
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V1 #21
Message-ID: <9006131506.AA01433@KRONOS.NISD.CAM.UNISYS.COM>
Date: 13 Jun 90 15:06:11 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Wed Jun 13 16:06:11 1990

Subject: Re: Items for sale
While the host is on Usenet, there is a considerable distribution via the internet. I don't know who administers and pays for the internet, but I suspect that the government is somehow involved. We knew who administered the Arpanet and what their tollerance limits were. I, for one would hate to lose that distribution mechanism.

-- Doug WA6VVV

From 4095401849382894015
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b32f68ed1c92da9f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-13 18:17:14 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!SC.INTEL.COM!
RHAREL%FAB8
From: RHAREL%FAB8@SC.INTEL.COM ("RICHARD HAREL ")
Newsgroups: rec.ham-radio
Subject: Packet Radio in The Middle East
Message-ID: <9006131506.AA25225@ucsd.edu>
Date: 13 Jun 90 08:17:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 28
Posted: Wed Jun 13 09:17:00 1990

How's your digital communications system doing these days ???
I'd be happy to hear about your system's capabilities/developments.
please direct your responses to the net or via E-mail.

Some info about Packet radio here in the middle east...

- The main frequency on VHF is 144.675.
- There are 3 active BBS's on this frequency in Israel and one in Cyprus.
  4Z4SV - JERUSALEM
  4X4HF - HAIFA
  4X1RU - HERZELIA (VHF-HF Gateway)
  5B4TX-6 - CYPRUS

- TCP/IP is used extensively by about 30 percent of the 200 or so active Packet stations.
- There are 10 active NETROM digipeaters scattered throughout the country.
- The BBS's use RLI or MBL software at 1200 baud. Each BBS has an additional port for TCP/IP
- Visitors are welcome to use the system to pass traffic back home.(Overnight delivery most of the time !) A laptop, HT and small TNC will get you country-wide coverage - from your mobile.
- Work is being done presently to have links done on UHF at 9600 baud.

Anyone using Full Duplex BBS's (with a dualbander-this sounds possible) ???

73,
Richard Harel
4X1DA

From 4677684224451590430
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a88a983aef863b44,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-13 18:19:06 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!ucsd!ucbvax!UWOCC1.UWO.CA!PPDDC
From: PPDDC@UWOCC1.UWO.CA (Dave Colvin)
Newsgroups: rec.ham-radio
Subject: YAESU 73R MOD
Message-ID: <19900613.111155.PPDDC@UWOCC1.UWO.CA>
Date: 13 Jun 90 15:11:54 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Wed Jun 13 16:11:54 1990

I had the opportunity to purchase a Yaesu FT73R UHF handheld.

This radio had been modified BY SOMEONE ELSE to operate as the commercial version FTH-7005. We have tried tuning it back to the ham band but can only make it transmit there, not receive. We could not see a jumper anywhere.

What we need to know is what do we have to do to REVERSE THE MOD and get it OUT OF THE COMMERCIAL BAND. The Canadian distributor couldn't help.

Anyone out there have any info?

Dave Colvin

VE3ZDC
PPDDC@UWOCC1.UWO.CA
(519)661-3301

From 4517106484536813086
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e9ea3759e6c653c0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-13 22:13:58 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!
uwm.edu!cs.utexas.edu!sdd.hp.com!ucsd!ucbvax!UNB.CA!LANG
From: LANG@UNB.CA
Newsgroups: rec.ham-radio
Subject: Re: The bands are dead!
Message-ID: <ID7079.D900613.T092259.LANG@UNB.CA>
Date: 13 Jun 90 12:22:58 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 36
Posted: Wed Jun 13 13:22:58 1990

On Tue, 12 Jun 90 21:30:04 PDT Info-Hams Mailing List and Newsgroup
</dev/null@UCSD.EDU> writes:

> Date: 13 Jun 90 01:51:47 GMT
> From: usc!cs.utexas.edu!mailrus!sharkey!lopez!flash@ucsd.edu (Gary

> The title says it all. I just sat down for a nice peaceful evening of
> a little SWL'ing and Hamming (I do both)... AND the bands are dead, at
> least up here in the aroural zone (Marquette, Michigan, the land that
> time forgot)... When I say DEAD, I mean Dead. I can not get WWV
> anywhere. 75 meters is totally gone. SHORTWAVE stations sound like
> they are under water, and nobody is higher than S-2. Surprisingly,
> W1AW was there at 0130 with their bulletin on 21329.8 (announced
> 21390, they can not get closer to the freq than good old Glen Baxter
> can)...
> Is it just ME, or is this the WORST solar peak you can remember. I

A major flare occurred at 0541 UT, 12 June
A major geomagnetic storm began at 0820 UT, 12 June
A satellite proton event began at 1140 UT, 12 June
A polar cap absorption event began at 1545 UT, 12 June.

Last night (around 0300 UT), I couldn't hear WWV on any frequency, but
there was still a lot of other SW activity on the bands at regular
strengths.

Beautiful very pale green aurora seen from Fredericton. Quite
extensive; some patches directly overhead.

==
Richard B. Langley   BITnet: LANG@UNB.CA or SE@UNB.CA

From 8814845901745280584
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e9ea3759e6c653c0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-13 22:14:48 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!trub
From: perley@trub (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: The bands are dead!
Keywords: Sun Blew Up Again...
Message-ID: <8507@crdgw1.crd.ge.com>
Date: 13 Jun 90 13:03:46 GMT
References: <1990Jun13.015147.4993@lopez.UUCP>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@trub (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 22
Posted: Wed Jun 13 14:03:46 1990
In-reply-to: flash@lopez.UUCP (Gary Bourgois)

In article <1990Jun13.015147.4993@lopez.UUCP>, flash@lopez (Gary Bourgois) writes:

>The title says it all.
> When I say DEAD, I mean Dead. I can not get WWV
>anywhere. 75 meters is totally gone. SHORTWAVE stations sound like
>they are under water, and nobody is higher than S-2.

>Not so this time. This cycle has been a bust IMHO. The bands have been
>literally DEAD for days on end. No communication in or out.

I tuned through 20 meters this morning at ~5:30 just to see if it was worth getting up and heading for the shack. I drew a complete blank. Many mornings over the last week or 2 it has been wall to wall with Australia and New Zealand, some of them running 20-30 watts. You can't get much more DX than that from the east coast.

Last week I picked up a British station working mobile (mid afternoon our time)

It has been boom or bust, but the booms have seemed pretty good to me.
Now I just have to get my antenna outdoors so I can get out a little better.

-don perley ke2tp
perley@trub.crd.ge.com

From 4978267099659093039
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,541e45b84f8603b5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-13 23:13:02 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!UWPLATT.EDU!UCSBPM
From: UCSBPM@UWPLATT.EDU ("Brian P. McCarty ", N9IWP)
Newsgroups: rec.ham-radio
Subject: stamp?????
Message-ID: <7DDFB7CBF8FFE0069C@uwplatt.edu>
Date: 13 Jun 90 15:27:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Wed Jun 13 16:27:00 1990

You mean the post office has to STAMP the IRC for it to be valid?
OOOPS. (They knew what they were here, but they took 10 minutes to
find any, and they only had 12, I bought them out.
Funny, because I sent 1 unstamped IRC to 2 people (Estonia and Austrailia)
and they came back very quickly with cards. The VK station even said
"Yes, the IRC will cover postage OK" (I know 1 IRC isn't enough for air mail,
but I figured it would help) [hey-I'm a poor, starving colledge student,
I can't afford IRC's :)]
Maybe I just talked to nice people :)

This message nominated for the worst use of netspace,

Brian P. McCarty, N9IWP
internet:UCSBPM@UWPLATT
oops UCSBPM@UWPLATT.EDU
bitnet:UCSBPM@UWPLATT

From -8318040779418709174
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9be8d269239feda0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-14 00:58:04 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!rutgers!rochester!rit!cci632!cep
From: cep@cci632.UUCP (co-op)
Newsgroups: rec.ham-radio
Subject: Electronic callsign database question
Keywords: expiration date
Message-ID: <38031@cci632.UUCP>
Date: 13 Jun 90 14:44:08 GMT
Reply-To: cep@ccird7.UUCP (Christopher Piggott - co-op)
Organization: Computer Consoles Inc. an STC company, Rochester, NY
Lines: 9
Posted: Wed Jun 13 15:44:08 1990

In the callsign database, is it really necessary to have both the
issuance date and the expiration date? With universal 10-year
licenses, I have only kept the expiration dates and have stripped
out the issuance date. This _seems_ pretty safe to me, and that

if I want to know when the guy got his license, subtract 10 years
from expiration. I want to know if there are any caveats or glitches
that I am missing in this assumption.

Chris

From 4728982560306995509
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcb5a4738f5f9075,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-14 01:05:17 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!ogicse!unicorn!bobh
From: bobh@unicorn.WWU.EDU (Bob Hayes)
Newsgroups: rec.ham-radio
Subject: Morrow MBR-5 receiver
Keywords: info, morrow, receiver
Message-ID: <1110@unicorn.WWU.EDU>
Date: 13 Jun 90 19:19:15 GMT
Organization: Western Washington Univ, Bellingham, WA
Lines: 14
Posted: Wed Jun 13 20:19:15 1990

I have received a donation of a Morrow MBR-5 receiver. No docs,
no specs. It has an octal power connector, with no voltage/function
indications on it.
Does anyone have the power pinout for this ancient piece of gear?
I would love to get it fired up!
Any pointers to a source for the schematics/docs etc, for this
beast would be appreaciated.
Thanks,

--
Bob Hayes < bob@arthur.wwu.edu | bobh@unicorn.wwu.edu > USnail follows:
Western Washington University
Computer Science Dept. Bond Hall 302,   Bellingham, Washington 98225
Obbligato Disclaimers: All; Std Joke: 4 nickels for a used paradigm??;

From 8788898132964551022
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3a44f2887631a6b5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-14 01:15:32 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!bu.edu!mirror!necntc!necis!rbono
From: rbono@necis.UUCP (NM1D)
Newsgroups: rec.ham-radio
Subject: Re: Undocumented features in handhelds? WAS: ICOM IC24/AT...
Message-ID: <1341@necis.UUCP>
Date: 13 Jun 90 13:07:26 GMT
References: <1335@necis.UUCP> <932@cameron.egr.duke.edu>
Organization: NEC Technologies, Inc., Boxborough, MA
Lines: 64

Posted: Wed Jun 13 14:07:26 1990

In article <932@cameron.egr.duke.edu>, jsm1@dukee.egr.duke.edu (J Scott McCalmont) writes:

> From article <1335@necis.UUCP>, by rbono@necis.UUCP (NM1D):
>
> > Here is some of the "interesting" information. The so-called "modification" to enable the wide range RECEIVE ONLY frequency converage did NOT require any hardware changes to the unit.... (a FEW early units did require a diode to be removed)... simply hold down a few buttons when turning on the unit and keep them held until the unit is done with it's self test (Light-B-#).
>
> Well, to be adventuresome, I tried the "light-B-#" on my IC-2SAT. I didn't get wide-range receive coverage, but I did get ALL the LCD segments to turn on right after I powered the rig up. None of the other key combinations that NM1D noted seemed to have any effect.
>
> So, are the digital processors the same? Can these "software" changes be applied to other Icom handhelds? Has anyone found useful key combinations?

Maybe I wasn't clear enough... I made this mistake also...

Turn off the radio..
Hold down the Light, B and # keys (it isn't easy)
While holding down these keys, turn on the radio (even harder for two handed people!!!)

THIS IS THE IMPORTANT STEP

**** DO NOT RELEASE THE Light-B-# KEYS UNTIL THE SELF TEST IS OVER AND THE RADIO IS DISPLAYING A FREQUENCY ****

If you release the keys before the display has settled down, you won't enable the wide-range receive.

Or maybe you have a very early unit that requires the removal of a diode. My unit has a serial number in the 1900's, I am told (by a good source) that the 'first' batch of IC24A's required the diode to be removed. All other batches (from Japan) don't require the diode to be removed (of course, they could change this at any time!).

Also, keep in mind.... this was done on the IC24A... The dual band 144/440MHz handheld.... I have not tried this on a IC2SA/T, IC3SA/T, or IC4SA/T.

The combinations that change the number of digit-frequency-entry did work on an IC3SAT, but I beleive that unit had a diode removed to enable some 'extended' frequencies. If I had an IC2SAT, I might try removing the 'programming' diodes (they are very obvious), and 'see' what happens... One could always replace them (I hope) if the effect was not desired.

Good luck...   My wife (WG1G), still won't let me near 'her' radio... she loves it.... I guess I will have to get one of my own!

Hope this helps,

Rich

--
/***\
* Rich Bono (NM1D)   If I could only 'C' forever!!   rbono@necis.nec.com *
* (508) 635-6300   NEC Technologies Inc.   NM1D@WB1DSW *
***/

From -6052970698156359814
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c587bcbe825e278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-14 01:19:31 PST
Path: gmdzi!unido!mcsun!uunet!unisoft!washer
From: washer@unisoft.UUCP (Jim Washer)
Newsgroups: rec.ham-radio
Subject: Re: "X" callsigns (was: Re: USA ham call words -corrected)
Message-ID: <3030@unisoft.UUCP>
Date: 13 Jun 90 16:05:29 GMT
References: <andreap.645128686@s.ms.uky.edu> <7856@pitt.UUCP>
Reply-To: washer@unisoft.UUCP (Jim Washer)
Lines: 36
Posted: Wed Jun 13 17:05:29 1990

In article <7856@pitt.UUCP> hoffman@cs.pitt.edu (Bob Hoffman) writes:
>In article <andreap.645128686@s.ms.uky.edu> andreap@ms.uky.edu (Stephen McNatton) writes:
>
>[slightly rearranged and edited]
>
>>From   To   Service
>
>>K0AA   K9WZ   Amateur
>>K0YA   K9ZZ   Amateur
>
>>K0AAA   K9WZZ   Amateur
>>K0YAA   K9ZZZ   Amateur
>
>>KA0A   KZ9W   Amateur
>>KA0Y   KZ9Z   Amateur
>
>>KA0AA   KZ9WZ   Amateur
>>KA0YA   KZ9ZZ   Amateur
>
>>KA0AAA   KZ9WZZ   Amateur

>>KA0YAA   KZ9ZZZ   Amateur
>
>And similarly for the As, Ns, and Ws. While it seems to be the case
>that 1x3 and 2x3 "X" calls are reserved for experimental licenses,
>this is certainly not the case for the 1x2, 2x1, and 2x2 calls.
>I know W2XO and KE8X myself, and a quick persual of the callbook
>shows KB3XC and KB4XA.
>
>   ---Bob.

Nope, not even the 1x3's are reserved!

I know, I had one.

Jim Washer KK6GQ (ex N6XHK)

From 1127240252598335687
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3b4a79f4e900bb0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-14 02:13:43 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!STLAWU.BITNET!MROWEN
From: MROWEN@STLAWU.BITNET (Mike Owen W9IP/2)
Newsgroups: rec.ham-radio
Subject: VHF Transverters
Message-ID: <9006131842.AA07748@ucsd.edu>
Date: 13 Jun 90 18:38:02 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11
Posted: Wed Jun 13 19:38:02 1990

A local ham friend of mine is seeking to purchase a
used transverter for 6m and one for 432/435, both with
28 MHz IFs. For 6, he's particularly interested in the
Kenwood TV506, and for 432/435, he's looking for a Micro-
wave Modules unit.

If you have one of these transverters, or know someone
who does, could you please drop me a note via BitNet:
MROWEN @ STLAWU and I'll pass the information to him.

Thanks -

From 1958675376679511625
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1c75e01dc8761df
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-14 02:27:18 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!samsung!xylogics!bu.edu!

mirror!necntc!necis!rbono
From: rbono@necis.UUCP (NM1D)
Newsgroups: rec.ham-radio
Subject: Re: time for FCC to process a license application
Message-ID: <1342@necis.UUCP>
Date: 13 Jun 90 13:20:51 GMT
References: <9006061536.AA12961@frisky.Franz.COM> <12280007@hpspdra.HP.COM>
Organization: NEC Technologies, Inc., Boxborough, MA
Lines: 21
Posted: Wed Jun 13 14:20:51 1990

My wife recently (June 4th) received her Extra ticket (WG1G)... this was done through a VE upgrade... She received the ticket in 6 weeks (almost to the day).

Another local Amateur (WF1W), received his license in exactly 3 weeks, this was a call-sign change only (610 form sent directly to the FCC).

Local Novices have been receiving their ticket in 5-6 weeks.

Gee, how come when I was upgrading, I had to wait about 8 weeks!! Looks like I missed about 2 weeks of Amateur Radio activity :-)!!!

Rich

```
--
 /**************************************************************************\
 * Rich Bono (NM1D)    If I could only 'C' forever!!    rbono@necis.nec.com *
 * (508) 635-6300          NEC Technologies Inc.                NM1D@WB1DSW *
 \**************************************************************************/
```

From 1391243414070721082
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,589dc7717e10403,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-14 02:33:28 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!TRIUMFER.BITNET!MULTI
From: MULTI@TRIUMFER.BITNET
Newsgroups: rec.ham-radio
Subject: Yaesu FT101B sick
Message-ID: <90Jun13.180940edt.57942@ugw.utcs.utoronto.ca>
Date: 13 Jun 90 22:56:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Wed Jun 13 23:56:00 1990

While tuning into an antenna with high SWR, my Yaesu FT-101B suddenly delevoped the following bug. The plate current refuses to dip on all bands except 10 meters, where it dips over in the 20 meter position.

Output power is similarly low (10 watts or so) on all bands except 10 meters, where it peaks at 70 watts. ALC, drive, and plate current appear adequate, so I am somewhat reluctant to blame the final 6JS6C tubes. Ideas/Suggestions?

Y.N. Miles, VE7-ALQ,
<Multi@TRIUMFcl.bitnet>

From 4836364663946955507
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14e9780aab78e234,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-14 04:34:41 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rice!uw-beaver!fluke!limey
From: limey@tc.fluke.COM (Paul Baldock)
Newsgroups: rec.ham-radio
Subject: DOVE
Message-ID: <1990Jun13.223601.17459@tc.fluke.COM>
Date: 13 Jun 90 22:36:01 GMT
Organization: John Fluke Mfg. Co., Inc., Everett, WA
Lines: 6
Posted: Wed Jun 13 23:36:01 1990

Has anybody head DOVE on 2m lately?

Paul
KW7Y

From -4093556069924543334
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c587bcbe825e278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-14 07:30:15 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpl-opus!hpccc!wille
From: wille@hpccc.HP.COM (Ross Wille)
Newsgroups: rec.ham-radio
Subject: Re: "X" callsigns (was: Re: USA ham call words -corrected)
Message-ID: <5540036@hpccc.HP.COM>
Date: 13 Jun 90 21:56:00 GMT
References: <7856@pitt.UUCP>
Organization: HP Corporate Computing Center
Lines: 31
Posted: Wed Jun 13 22:56:00 1990

/ hpccc:rec.ham-radio / hoffman@speedy.cs.pitt.edu (Bob Hoffman) / 10:28 am Jun 12, 1990 /
> In article <andreap.645128686@s.ms.uky.edu> andreap@ms.uky.edu (Stephen McNatton) writes:

>
> [greatly rearranged and edited]
>
> >From   To   Service
>
> >K0AA   K9WZ   Amateur
> >K0YA   K9ZZ   Amateur
>
> >KA0YAA   KZ9ZZZ   Amateur
>
> And similarly for the As, Ns, and Ws. While it seems to be the case
> that 1x3 and 2x3 "X" calls are reserved for experimental licenses,
       ^^^
> this is certainly not the case for the 1x2, 2x1, and 2x2 calls.
> I know W2XO and KE8X myself, and a quick persual of the callbook
> shows KB3XC and KB4XA.
>
>   ---Bob.
> --
> Bob Hoffman, N3CVL   {allegra, bellcore, cadre, idis, psuvax1}!pitt!hoffman
> Pitt Computer Science   hoffman@cs.pitt.edu

This was an issue in California now that the N6aaa calls are nearly exhausted.
It was unclear whether or not the FCC would issue N6Xaa calls. But, my YL
recently got her Tech and it has an X suffix. So, it appears that there are
no 1x3 N calls reserved for experimental use.

-Ross N6SJD
wille@hpda.hp.com

From 6071324452842602419
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,459adaf9adc7105b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-14 07:40:42 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!apple!agate!shelby!portia.stanford.edu!mdbomber
From: mdbomber@portia.Stanford.EDU (Matt Bartley)
Newsgroups: rec.ham-radio
Subject: Re: CB in GB/11 meter bandits on 10 meters
Message-ID: <1990Jun14.024126.4826@portia.Stanford.EDU>
Date: 14 Jun 90 02:41:26 GMT
References: <900611-084950-8056@Xerox> <17838@ttidca.TTI.COM>
Organization: AIR, Stanford Universit
Lines: 31
Posted: Thu Jun 14 03:41:26 1990

In article <17838@ttidca.TTI.COM> sorgatz@ttidca.TTI.COM (Avatar) writes:
>In article <900611-084950-8056@Xerox> "hugh_davies.WGC1RX"@XEROX.COM writes:
>+finishes just below the CW segment of 10. There are enough people who can
>+hack the PLLs to give them access to all these "silent" (they can't hear
>+the CW, and don't care anyway) channels. Sigh.

> Soooo...it's happening in the UK too! Well Hugh, it *could* be worse...
>..I mean at least the bootleggers over there all speak English, here they
>all speak SPANISH! ;-) Heheheh! Time for t-hunts, time to write down some
>addresses..start harrassing 'em back!

I've heard of CB bootlegging for a while. I've heard things that have me a little confused though. It it people with CB radios modifying them to work on the 10m band or the other way around? I really don't see why a 10m operator would want to try to move onto CB...

Also, if a CB radio is on 10m, it's going to be in fullwave AM right? If you are tuning around on your receiver in SSB mode, will you receive it? Certainly you will hear something, but will you be able to dial it in so that it becomes clear? I believe I heard a fullwave AM signal once, I forget where (it was in a ham band). Does this always mean trouble?

Is it really possible to DF these things? Especially if there is a lot of skip propagation going on.

--
Internet: mdbomber@portia.stanford.edu   Matt Bartley
Bitnet: mdbomber%portia@stanford.bitnet   73, N6YWI
     Kirk: "Spock! Where the hell's that power you promised?"
     Spock: "One damn minute, Admiral."   -- Star Trek IV : The Voyage Home

From -62522717818367836
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8b4ed06df5857e14,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8b4ed06df5857e14,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 103802,8b4ed06df5857e14,start
X-Google-Attributes: gid103802,public
X-Google-ArrivalTime: 1990-06-14 07:58:40 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!usc!samsung!umich!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.ham-radio,rec.radio.shortwave,rec.radio.noncomm
Subject: EBS, This is NOT a test (I was there)
Keywords: How they COULD have destroyed the USA
Message-ID: <1990Jun13.224546.15798@lopez.UUCP>
Date: 13 Jun 90 22:45:46 GMT
Followup-To: rec.ham.radio
Organization: Great White North/UPlink
Lines: 110
Xref: gmdzi rec.ham-radio:12158 rec.radio.shortwave:1444 rec.radio.noncomm:100
Posted: Wed Jun 13 23:45:46 1990

First we had CONELRAD. If you have a radio made in the 1950's, you will still find the little circle with a triangle in the middle of it at 640 and 1240khz.

In the late 1960's, I worked at a station that happened to broadcast on 1240 KHZ. Though EBS had taken over, and conelrad was no longer used, I still used to say "Where Listening is HOT on the CONELRAD DOT" as a funny one liner.

Anyway, Back in the 1960's EVERY SATURDAY MORNING, at exactly the same time (10:30 or so I do not recall the time, except that it was EXACTLY the same time every week) the UPI machine (In those days a klunking thumping mechanical TTY) would go into spasms. There would be 10 bells: BINGBINGBINGBINGBINGBINGBINGBINGBINGBINGBINGBING and a row of

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

and ten more bing bing bing bells....

And then:

EMERGENCY BROADCAST SYSTEM TEST...

THIS IS A TEST OF THE EMERGENCY BROADCAST SYSTEM

And a test message would follow.

We were required by the FCC to save these tests, and staple them to the station logs.

There was a "hook" (nail on the wall) where news was sorted, and the first hook was for EBBS tests.

They came during our local top 20 program, where I played the station's most popular songs as tabulated by requests of the past week. It was a busy shift, and "Tearing the wire" was mixed in with answering the phone, being the station's engineer, and drinking lots of coffee. At that small station in Ishpeming Michigan, I was the only employee there on saturdays.

Pegging the EBBS test was part of the routine.

So when I heard the bells go off, and the RED LIGHT above the console go on (Stepper relay wired to a BIG TRUCK TAIL LIGHT whenever the bell rang more than 8 times within a 30 sec period), I would go out and rip off the test, and stick it on the wall, and go back to playing the hits.

Well, to my surprise a half hour later, when we joined the NBC network, I was informed that a mistake had been made, and AN ACTUAL EBBS ALERT had gone out.

I ran to the hook and saw:

UPI

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

EMERGENCY BROADCAST NETWORK ALERT *** THIS IS NOT A TEST *****

THIS IS NOT A TEST. THIS IS AN ACTUAL ALERT. THE UNITED STATES

IS NOW UNDER ATTACK. ALL STATIONS ARE REQUESTED TO BROADCAST

THE EBBS WARNING MESSAGE. STATIONS NOT AUTHORIZED TO TRANSMIT

DURING A NATIONAL EMERGENCY ARE ORDERED TO LEAVE THE AIR. ONLY

AUTHORIZED EBBS STATIONS WILL TRANSMIT. FURTHER INFORMATION

WILL BE FORTHCOMMING

THIS IS NOT A TEST

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

I was absolutely flabberghasted. We did not have a xerox machine back in those days, or I would have a copy of the exact message in my files here (the above is only a very rough reconstruction of what I read.

Of course NBC mentioned that hardly ANYONE complied with the message as most people either figured it was a mistake, or did not even notice it (like me) because it came at 10:22 PM EST which was the standard test time.

This got me to speculating that if the RUSKIES (back then THEY were bad guys, not our huggy pals like in modern times) wanted to blow up the country, all they would have to do is plan the "big one" for just after 10pm on a saturday morning.

This incident caused a total revamp of the WIRE EBBS system, and I imagine someone lost his job over it.

Was anyone else working in broadcasting back then (It was 67 or 68 I think) on that fateful Saturday Morning? Does anyone have the text of the actual message that so many of us pinned on the wall without reading it because we saw the row of XXXXXXXXX's and went back to our business?

Radio. It was a wonderful Job. God, I'm glad I got out of it....

--
=Marquette MI: It's Not the END of the world, but you can see it from here=
== Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash) GWN UPLink ==
== 3.950 Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==

From 7286297600911586977
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c587bcbe825e278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-14 08:13:58 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!portal!cup.portal.com!
Bill_A_Morgan
From: Bill_A_Morgan@cup.portal.com
Newsgroups: rec.ham-radio
Subject: Re: "X" callsigns (was: Re: USA ham call words -corrected)
Message-ID: <30772@cup.portal.com>
Date: 14 Jun 90 05:03:46 GMT
References: <andreap.645128686@s.ms.uky.edu> <7856@pitt.UUCP>
  <14104@burdvax.PRC.Unisys.COM>
Organization: The Portal System (TM)
Lines: 11
Posted: Thu Jun 14 06:03:46 1990

I have one of those *X* calls - and I'm still trying to think of some mnemonics for X*G*X - but it sounds kinda neat on a key.....

Bill   N6XGX

From -8640877978693884448
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b5b90037feaae26
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-14 08:56:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!cs.utexas.edu!uunet!ncrlnk!
ncrwic!encad!entec!kthompso
From: kthompso@entec.Wichita.NCR.COM (Ken Thompson)
Newsgroups: rec.ham-radio
Subject: Re: My own funky call
Message-ID: <564@entec.Wichita.NCR.COM>
Date: 13 Jun 90 17:54:30 GMT
References: <7880150@hpfcdc.HP.COM>
Reply-To: kthompso@entec.UUCP (Ken Thompson)
Organization: NCR Corporation, Wichita, KS
Lines: 8
Posted: Wed Jun 13 18:54:30 1990

Has the upcoming call N0PAY been overlooked?

```
--
Ken Thompson     N0ITL
NCR Corp.  3718 N. Rock Road
Wichita,Ks. 67226  (316)636-8783
Ken.Thompson@wichita.ncr.com


From -8403679118476106750
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5554f55d5689a9de,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-14 10:45:28 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!usc!ucsd!ucbvax!BGUNOS.BitNet!DFAH100
From: DFAH100@BGUNOS.BitNet
Newsgroups: rec.ham-radio
Subject: AZDEN - PCS-5000 manual
Message-ID: <9006141330.AA09328@ucsd.edu>
Date: 14 Jun 90 12:21:23 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Thu Jun 14 13:21:23 1990
```

I own the PCS-5000 xcvr. Unfortunately, I don't have its operator manual,
and don't know how to use the PL tones, the Touch-Tones, and Repeater
programming shifts.

I would appreciate it very much if anyone could either get me the
Operator's Manual, or give me instructions.

73 - Emanuel

BITNET: DFAH100@BGUNOS
PACKET: 4X1GV @4Z4SV

```
From -8158101738435O2036
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0ecc39eae35a895,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-08 15:25:08 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!ucbvax!CONSRT.ROK.COM!
postmstr"%mrgate."ssxmb.decnet
From: postmstr%mrgate.ssxmb.decnet@CONSRT.ROK.COM ("MRGATE::"SSXMB::POSTMSTR"")
Newsgroups: rec.ham-radio
Subject: Delivery Failure Report
Message-ID: <9006082137.AA25850@ucsd.edu>
Date: 8 Jun 90 22:38:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
```

```
Lines: 17
Posted: Fri Jun  8 23:38:00 1990

From:    POSTMSTR @SSXMB
To:  MRREMNET @MRGATE
     WINS%"INFO-HAMS @UCSD.EDU" @CONSRT @MRGATE


      Author:
      Sender:  WINS%"INFO-HAMS @UCSD.EDU"@CONSRT@MRGATE@CONSRT
      Subject: Info-Hams Digest V1 #15
      Message Class:

      Recipients:

           BCCROWE@DALMAC


Unable to deliver mail from Sender name WINS%"INFO-
HAMS@UCSD.EDU"@CONSRT@MRGATE@CONSRT.
Please contact your Soft-Switch Administrator to register this user in the Name
Translate Directory.


From 6633373093087221570
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b95205ea4c8465
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-08 16:04:29 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!srhqla!orchard.la.locus.com!
prodnet.la.locus.com!lando.la.locus.com!dana
From: dana@lando.la.locus.com (Dana H. Myers)
Newsgroups: rec.ham-radio
Subject: Re: Packet radio advice
Message-ID: <10449@oolong.la.locus.com>
Date: 8 Jun 90 19:13:57 GMT
References: <9446@pt.cs.cmu.edu> <266aa419-d1.1rec.ham-radio-1@vpnet.chi.il.us>
<14122@ucsd.Edu> <1990Jun6.134435.28931@comm.wang.com>
Sender: news@locus.com
Organization: Locus Computing Corporation, Inglewood, CA
Lines: 46
Posted: Fri Jun  8 20:13:57 1990

In article <1990Jun6.134435.28931@comm.wang.com> joer@comm.wang.com (Joe
Reinhardt) writes:
>brian@ucsd.Edu (Brian Kantor) writes:
>>And if you install the TAPR XR2211-DCD modification, for $11, you'll be
>>able to run with your radio's squelch open, which means the other guy
>>can cut his TXD in half or better, which means that EVERYONE on the
>>channel will enjoy increased throughput and fewer collisions.
>
>I have been using the 1270B unmodified for two years always WITH the
>squelch open.  In fact, I had not even heard of this mod, and have had no
```

>trouble either using plain ax.25 or KISS mode.
>

I've breadboarded both the 2211 and 7910 modems. Well, well, the things you can get away with :-). The XR-2211 Carrier Detect circuit is pretty good. Essentially, it is "true" (1) when the PLL has locked onto a signal. If you use a large enough filter capacitor (Cd in the Exar app notes) the Carrier Detect will work pretty well, with a few notes:

1. It will trigger on any kind of coherent signal in the PLL lock range. A steady tone will trigger it (my TR-2600A HT makes a beep when you push a keypad button... this triggers it). This is essentially OK. I don't think the TAPR mod will affect this behavior.

2. A signal may fade briefly. This may cause CD to drop, and the otherwise good packet may be dropped. This will be more of a problem on HF. The problem is worse when running with persistance (like in KISS mode). If the TNC wants to transmit and is deferring to an active channel, the chance of him transmitting during other traffic is increased. The TAPR mod is said to improve this considerably.

The Am7910 is not as good. The CD output on that chip seems to be most sensitive to signal amplitude. Turn your squelch off, and DCD will always be on when the volume is at a good level for data. This keeps your TNC really busy receiving and throwing away bogus packets. Furthermore, the TNC may defer to an empty channel. Ughh.

I've ordered the State Machine DCD upgrade for my PK-88... this is supposed to trigger on actual valid looking data. This is probably the optimum for VHF use.

****
* Dana H. Myers KK6JQ | Views expressed here are *
* (213) 337-5136 (ex WA6ZGB) | mine and do not necessarily
     *
* dana@locus.com | reflect those of my employer   *
****

From -5418667538749103653
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d38ac5dc3844979b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-08 16:27:09 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!ames!eos!shelby!portia.stanford.edu!mdbomber
From: mdbomber@portia.Stanford.EDU (Matt Bartley)
Newsgroups: rec.ham-radio
Subject: Re: Ham Tricks
Message-ID: <1990Jun8.205839.8893@portia.Stanford.EDU>
Date: 8 Jun 90 20:58:39 GMT
References: <9006052251.AA14005@ucsd.edu>

Organization: AIR, Stanford Universit
Lines: 45
Posted: Fri Jun 8 21:58:39 1990

In article <9006052251.AA14005@ucsd.edu> lwrclmr@SACEMNET.AF.MIL ("LWRCLMR") writes:

>REF ham radio and radar detectors
> [great story]
>Unfortunately most two-meter rigs don't set off the new detectors today, but
>J.C. Whitney advertises a radar gun that should do the job nicely, no license
>required!
>
>73

I love this stuff. One of my friends at home and I have done a little of this ourselves. He has a radar gun, and when the thought crosses our mind, we pull it out and play with it. The funnest thing was as you said setting off peoples' detectors. My friend, who is a commuter student there and therefore spends his life on the freeway has done this a lot more than I have. I've only seen it work one. Just not that many people have detectors.

This is one of the funniest things he's done. He saw some new slick looking car in the next lane going by, and noticed a curly wire coming down from one of it's sunvisors. Radar detector! He immediately got out the radar gun and took aim. The first thing to do is to switch it on and watch a row of LED's suddenly light up <zzzzzip!> The next thing he did was, using the "trigger switch" he switched the transmitter on and off repeatedly. The driver looked at the detector funny, adjusted knobs, smacked the thing around a little, etc and no doubt turned it off soon thereafter. Beautiful.

He got the thing mail order somewhere. It is a late model thing, that can measure speeds of other cars, even while the car it's in is moving. One guy he knows in AFROTC who he showed it to is in Explorers police division. He took a look at the thing and said, "You know, you have better equipment than the cops do?"

What is this source you mention? Also what are the deals with licensing with them? X band is just outside one of the microwave ham bands. We've never really worried about it. The most credible thing I've heard as a requirement is a Restricted Radiotelephone Operator's Permit, which we both have anyway.

--
Internet: mdbomber@portia.stanford.edu   Matt Bartley
Bitnet: mdbomber%portia@stanford.bitnet   73, N6YWI
     Kirk: "Spock! Where the hell's that power you promised?"
     Spock: "One damn minute, Admiral."   -- Star Trek IV : The Voyage Home

From -6620712608622947283

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,506157a9dfa594e0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-08 20:20:51 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: TS440S operating software
Keywords: software
Message-ID: <98536@philabs.Philips.Com>
Date: 9 Jun 90 03:20:51 GMT
Sender: news@philabs.Philips.Com
Lines: 29
Posted: Sat Jun 9 04:20:51 1990

copied from packet:

```
 Msg# TSF  Size #Rd Date/Time MsgID        From   To
27948 BF   1959   8 0529/2146 14995_KA5EJX K5KNC  ALL@NYNET ()
  Sb: TS-440S Software/New Version
```

We've just completed the beta-test version of The 440 Spoiler for controling Kenwood TS-440S transceivers. Version two incorporates high density display (color if you want it), total control of tuning by keypad, combined scanning of memory groups and frequency ranges, and more robust communication-port handling. You can now control a 440 from your PC sitting next to it or across the nation from it (through whatever voice and data paths you devise external to the program).

The package is shareware, and it's available on landline BBS ECHO (education) at 806-741-1570. Leave me a comment when you call to register, and I'll see that you're upgraded to download within a few hours.

I'll be happy to make you a copy of the package if you'll be so kind as to send me SASE (like a diskette mailer) and a formatted diskette.

Beta (user) testing lasts through June, and I would be very delighted to get bug reports or feasible suggestions for improvements during the beta-test period.

73 de Bill Brewer, K5KNC
5518 12th Street
Lubbock, TX 79416

From 7523838698572433169
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f43c728cecea0eb3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-08 22:13:38 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!usc!pollux.usc.edu!kjh

From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: Before the miss conception
Message-ID: <25210@usc.edu>
Date: 9 Jun 90 00:09:51 GMT
References: <9006071840.AA15854@ti.com>
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 20
Posted: Sat Jun 9 01:09:51 1990

On the subject of points for packet radio contacts during field day:

(Please note that I am not on packet radio at all, the current bandwidth isn't high enough to interest me. I'm a snob I guess.)

I feel that points should also be awarded to all stations that are used as "repeater" stations. If points are not awarded for this, then people will try to prohibit others from using their stations as repeaters. This is a self-defeating concept, as networking (the big advantage to packet radio) can't happen under these hostile conditions. (I'm not commenting about the current technology, just the idea that station owners might try to prohibit others from using their sites.)

Also, I think that some people have published papers showing great advantages of full duplex repeaters for packet use. Why prohibit this technology during field day, if it is superior? (Oh well, nobody ever accused the league of sanity or intelligence. Here's just another example of how the league is impeding progress.)

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

---

From 5551677354916389343
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,862d1a9c08ac684,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-09 00:52:33 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: USA ham call words
Message-ID: <30500568@ux1.cso.uiuc.edu>
Date: 9 Jun 90 04:38:00 GMT
Lines: 27
Nf-ID: #N:ux1.cso.uiuc.edu:30500568:000:1335
Nf-From: ux1.cso.uiuc.edu!phil   Jun 8 23:38:00 1990
Posted: Sat Jun 9 05:38:00 1990

This list is by no means complete, as it is based on /usr/dict/words which is certainly not complete. Note that 1 might be I or L.

```
ac1d k1d  kn1t na5ty     n0nce     wa1nut  wh1g  w1g  w1ve w0und
ac0rn     K1dde     kn0ck     ne0n n0ne Wa1t wh1m w1n  w0e  w0ve
ad1eu     K1ev kn0t ne5t n0r  Wa1ter  wh1ne w1nce     w0k  w0ven
Ad1er     K1m  Kn0tt     n1ce n0rm wa1tz     wh1nny  w1nch w0ke
     w0w
ad0pt     k1n  kn0tty  n1che N0rma     wa5h wh1p w1nd w0man
     wr1ght
ad0re     k1nd kn0w n1ck n0rth     wa5hy     wh1r w1ndy     w0men
     wr1ng
ad0rn     k1ng kn0wn     n1ece     n0t  wa5p wh1t w1ne w0n  wr1t
af1re     k1nk Kn0x N1ger     n0tch     wa5t wh1te     w1ng W0ng
     wr1te
af1ame  k1nky  K0ch n1gh n0te wa5te     wh1ten  w1nk  w0nt wr1the
ag1ng     k1rk k0dak     n1ght     n0un we8er     wh1z w1ny w0p
     wr0ng
ag1eam  k1t   K0ng N1na N0v  we1gh     wh0a w1pe w0rd wr0te
ag0ne     k1te K0ran     n1ne n0va we1ght  wh0m  w1re w0rdy
ag0ny     k1tty     K0rea     n1nth     N0vak     we1r wh0p w1ry
     w0re
ah0y k1va ku1ak     n1p  n0w  we1rd     wh0re     w1t  w0rk
ak1n k1vu Ky1e n1t  wa1t We1ch     w1ck w1tch     w0rm
ka1e K1an na1ad     n1tty     Wa1te     we1d w1de w1th w0rmy
Ka1muk  K1ux  Na1r N0ah wa1ve     we1t w1den     w1the     w0rn
Ke1th     kn1ck     na1ve     n0d  Wa1den  we5t  w1dth     w1thy
     w0rry
ke1p kn1fe     Na5h n0de wa1e wh1ch     W1er W1tt w0rth
k1ck kn1ght  Na5hua  n0n     wa1k wh1ff     w1fe w1tty     W0tan
```

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -6615780077769396650
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,862d1a9c08ac684
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-09 00:52:47 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: USA ham call words
Message-ID: <30500569@ux1.cso.uiuc.edu>
Date: 9 Jun 90 05:01:00 GMT
References: <30500568@ux1.cso.uiuc.edu>
Lines: 698
Nf-ID: #R:ux1.cso.uiuc.edu:30500568:ux1.cso.uiuc.edu:30500569:000:23548
Nf-From: ux1.cso.uiuc.edu!phil   Jun 9 00:01:00 1990
Posted: Sat Jun 9 06:01:00 1990

```
Trying...
Connected to marvin.cs.buffalo.edu.
Escape character is '^]'.
Callbook v1.1  Bug reports to bowen@cs.buffalo.edu  Type 'help' for help
>> call ac1d
Call-Sign: AC1D                    Class: EXTRA
Real Name: MATTHEW G VARTANIAN     Birthday: NOV 30, 1962
Mailing Address: 10 CARPENTER RD, WAYLAND, MA  01778
Station Address: SAME AS MAILING ADDRESS
Valid From: MAR 9, 1984            To: MAR 9, 1994
Records Last Processed: MAR 9, 1984
>> call ac0rn
No references found
>> call ad1eu
No references found
>> call Ad1er
No references found
>> call ad0pt
No references found
>> call ad0re
No references found
>> call ad0rn
No references found
>> call af1re
No references found
>> call af1ame
No references found
>> call ag1ng
No references found
>> call ag1eam
No references found
>> call ag0ne
No references found
>> call ag0ny
No references found
>> call ah0y
No references found
>> call ak1n
Call-Sign: AK1N                    Class: EXTRA
Real Name: JOEL A WILKS            Birthday: AUG 8, 1946
Mailing Address: 27 CHAMPION HILL RD, EAST HAMPTON, CT  06424
Station Address: SAME AS MAILING ADDRESS
Valid From: APR 2, 1985            To: APR 2, 1995
Records Last Processed: APR 2, 1985
>> call ka1e
Call-Sign: KA1E                    Class: EXTRA
Real Name: RALPH J GANDOLFO        Birthday: JUL 31, 1938
Mailing Address: 5 LAKE ST, PEABODY, MA  01960
Station Address: SAME AS MAILING ADDRESS
Valid From: OCT 8, 1985            To: OCT 8, 1995
Records Last Processed: OCT 8, 1985
>> call Ka1muk
Call-Sign: KA1MUK                  Class: TECHNICIAN
```

```
Previously: SAME CALL               Class: NOVICE
Real Name: HARRY D EVANS IV         Birthday: FEB 11, 1970
Mailing Address: POB 314, LANESBORO, MA  01237
Station Address: 93 PROSPECT ST, LANESBORO, MA
Valid From: APR 8, 1986             To: APR 8, 1996
Records Last Processed: APR 8, 1986
>> call Ke1th
No references found
>> call ke1p
Call-Sign: KE1P                     Class: EXTRA
Previously:  WB1ETI                 Class: ADVANCED
Real Name: RONALD R MAZZEO          Birthday: MAY 26, 1935
Mailing Address: 121 BROADVIEW TER, PITTSFIELD, MA  01201
Station Address: SAME AS MAILING ADDRESS
Valid From: MAY 27, 1986            To: MAY 27, 1996
Records Last Processed: MAY 27, 1986
>> call k1ck
Call-Sign: K1CK                     Class: EXTRA
Real Name: SAMUEL B ISSOKSON        Birthday: NOV 27, 1920
Mailing Address: POB 903 15 DAVIS ST, VINEYARD HAVEN, MA  02568
Station Address: 15 DAVIS ST, VINEYARD HAVEN, MA
Valid From: MAR 17, 1987            To: MAR 17, 1997
Records Last Processed: MAR 17, 1987
>> call k1d
No references found
>> call K1dde
No references found
>> call K1ev
No references found
>> call K1m
No references found
>> call k1n
No references found
>> call k1nd
No references found
>> call k1ng
Call-Sign: K1NG                     Class: EXTRA
Real Name: JOHN R OLSEN JR          Birthday: APR 29, 1945
Mailing Address: 938 WIDOW SWEETS RD, EXETER, RI  02822
Station Address: SAME AS MAILING ADDRESS
Valid From: SEP 3, 1985             To: SEP 3, 1995
Records Last Processed: SEP 3, 1985
>> call k1nk
No references found
>> call k1nky
No references found
>> call k1rk
Call-Sign: K1RK                     Class: EXTRA
Real Name: FRANCIS A KOHOUT         Birthday: APR 24, 1924
Mailing Address: 64 MUSKEGAT RD, EAST FALMOUTH, MA  02536
Station Address: SAME AS MAILING ADDRESS
Valid From: SEP 21, 1982            To: SEP 21, 1987
Records Last Processed: SEP 21, 1982
```

```
>> call k1t
No references found
>> call k1te
Call-Sign: K1TE                     Class: EXTRA
Real Name: BRADSHAW B LUPTON JR     Birthday: MAY 2, 1950
Mailing Address: 227 MAPLE AVE, SHREWSBURY, MA  01545
Station Address: SAME AS MAILING ADDRESS
Valid From: JUL 12, 1988            To: JUL 12, 1998
Records Last Processed: JUL 12, 1988
>> call k1tty
Call-Sign: K1TTY                    Class: GENERAL
Real Name: JAMES P MC CAFFREY       Birthday: JUL 30, 1922
Mailing Address: 381 CONCORD RD, WESTON, MA  02193
Station Address: SAME AS MAILING ADDRESS
Valid From: DEC 31, 1985            To: DEC 31, 1995
Records Last Processed: DEC 31, 1985
>> call k1va
No references found
>> call k1vu
No references found
>> call K1an
Call-Sign: K1AN                     Class: EXTRA
Real Name: JOHN P O CONNELL         Birthday: JUL 16, 1912
Mailing Address: 43 PROSPECT ST, NEWBURYPORT, MA  01950
Station Address: SAME AS MAILING ADDRESS
Valid From: APR 22, 1986            To: APR 22, 1996
Records Last Processed: APR 22, 1986
>> call K1ux
No references found
>> call kn1ck
No references found
>> call kn1fe
No references found
>> call kn1ght
No references found
>> call kn1t
Call-Sign: KN1T                     Class: EXTRA
Previously:  KA1FHM                 Class: ADVANCED
Real Name: MANFRED A MATTHEWS       Birthday: AUG 31, 1924
Mailing Address: 35 MARIA AVE, DRACUT, MA  01826
Station Address: SAME AS MAILING ADDRESS
Valid From: DEC 15, 1987            To: DEC 15, 1997
Records Last Processed: DEC 15, 1987
>> call kn0ck
No references found
>> call kn0t
Call-Sign: KN0T                     Class: EXTRA
Previously:  KA0IOL                 Class: GENERAL
Real Name: ROBERT W MC GOWAN        Birthday: MAY 30, 1952
Mailing Address: 3127 HUXLEY LN SW, CEDAR RAPIDS, IA  52404
Station Address: SAME AS MAILING ADDRESS
Valid From: MAR 4, 1986             To: MAR 4, 1996
Records Last Processed: MAR 4, 1986
```

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>> call Kn0tt
No references found
>> call kn0tty
No references found
>> call kn0w
Call-Sign: KN0W                     Class: EXTRA
Previously:   N0BUF                 Class: ADVANCED
Real Name: PHILIP M OSTERHUS        Birthday: FEB 7, 1962
Mailing Address: 4567 TOLEDO AVE N, ROBBINSDALE, MN  55422
Station Address: SAME AS MAILING ADDRESS
Valid From: NOV 10, 1986            To: NOV 10, 1996
Records Last Processed: NOV 10, 1986
>> call kn0wn
No references found
>> call Kn0x
Call-Sign: KN0X                     Class: EXTRA
Previously:  WD0HCT                 Class: GENERAL
Real Name: CHRIS C SARTIN           Birthday: MAY 8, 1961
Mailing Address: RR 1, AURORA, MO  65605
Station Address: 4 MI N OF, AURORA, MO
Valid From: OCT 21, 1986            To: OCT 21, 1996
Records Last Processed: OCT 21, 1986
>> call K0ch
Call-Sign: K0CH                     Class: EXTRA
Real Name: ROBERT A HAGGARD JR      Birthday: MAR 4, 1926
Mailing Address: 10488 VARESE LN, DENVER, CO  80234
Station Address: SAME AS MAILING ADDRESS
Valid From: FEB 28, 1989            To: FEB 28, 1999
Records Last Processed: FEB 28, 1989
>> call k0dak
No references found
>> call K0ng
Call-Sign: K0NG                     Class: EXTRA
Real Name: CHARLES E CONNER         Birthday: FEB 18, 1939
Mailing Address: 1801 SO 48TH ST, LINCOLN, NE  68506
Station Address: SAME AS MAILING ADDRESS
Valid From: OCT 26, 1984            To: OCT 26, 1994
Records Last Processed: OCT 26, 1984
>> call K0ran
No references found
>> call K0rea
No references found
>> call ku1ak
No references found
>> call Ky1e
Call-Sign: KY1E                     Class: EXTRA
Previously:  KA1TJ                  Class: ADVANCED
Real Name: THOMAS R KNIGHT          Birthday: FEB 15, 1944
Mailing Address: BOX 504, WEST FARMINGTON, ME  04992
Station Address: 10 OAKES ST, WEST FARMINGTON, ME
Valid From: JAN 25, 1985            To: JAN 25, 1995
Records Last Processed: JAN 25, 1985
>> call na1ad
```

```
No references found
>> call Na1r
Call-Sign: NA1R                    Class: EXTRA
Previously:   N1CWU                Class: GENERAL
Real Name: THOMAS H WINDHORN       Birthday: DEC 28, 1947
Mailing Address: 41 W 577 FAR VIEW RD, ELBURN, IL  60119
Station Address: SAME AS MAILING ADDRESS
Valid From: NOV 10, 1987           To: NOV 10, 1997
Records Last Processed: NOV 10, 1987
>> call na1ve
No references found
>> call Na5h
Call-Sign: NA5H                    Class: EXTRA
Previously:  KB5UB                 Class: ADVANCED
Real Name: WILBERT R FARRIS SR     Birthday: NOV 21, 1947
Mailing Address: BOX 86, PATTERSON, LA  70392
Station Address: 1017 ROSE MARY, PATTERSON, LA
Valid From: MAR 7, 1989            To: MAR 7, 1999
Records Last Processed: MAR 7, 1989
>> call Na5hua
No references found
>> call na5ty
No references found
>> call ne0n
Call-Sign: NE0N                    Class: EXTRA
Previously:  WB7BRC                Class: ADVANCED
Real Name: LEON F CLUFF            Birthday: OCT 25, 1953
Mailing Address: 3841 LOGAN AVE, LOVELAND, CO  80537
Station Address: SAME AS MAILING ADDRESS
Valid From: JAN 24, 1984           To: JAN 24, 1994
Records Last Processed: JAN 24, 1984
>> call ne5t
Call-Sign: NE5T                    Class: EXTRA
Previously:   K6AZ                 Class: SAME CLASS
Real Name: ARTHUR C WHITE          Birthday: OCT 31, 1916
Mailing Address: ROUTE 2 BOX 5600, TALIHINA, OK  74571
Station Address: 1/4 MI S OF STATE ROUTE 1 6 MI W, TALIHINA, OK
Valid From: JAN 19, 1988           To: JAN 19, 1998
Records Last Processed: JAN 19, 1988
>> call n1ce
Call-Sign: N1CE                    Class: EXTRA
Real Name: GEORGE C BLUNCK         Birthday: JUL 20, 1925
Mailing Address: 899 RIDGEVIEW DR, PINEVILLE, LA  71360
Station Address: SAME AS MAILING ADDRESS
Valid From: OCT 29, 1985           To: OCT 29, 1995
Records Last Processed: OCT 29, 1985
>> call n1che
Call-Sign: N1CHE                   Class: GENERAL
Previously:   W4JEW                Class: SAME CLASS
Real Name: EDWARD T MICKEY III     Birthday: MAY 2, 1935
Mailing Address: RFD 1 BOX 2670, HARTLAND, ME  04943
Station Address: NE CORNER BROWNS CORNER & STEAM MILL RD, CORNVILLE, ME
Valid From: AUG 3, 1982            To: AUG 3, 1987
```

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Records Last Processed: AUG 3, 1982
>> call n1ck
No references found
>> call n1ece
Call-Sign: N1ECE                    Class: GENERAL
Previously:   N2ERQ                 Class: SAME CLASS
Real Name: DONALD J STEINER         Birthday: JUN 4, 1947
Mailing Address: 39 GREY HOLLOW RD, NORWALK, CT  06850
Station Address: SAME AS MAILING ADDRESS
Valid From: APR 22, 1986            To: APR 22, 1996
Records Last Processed: APR 22, 1986
>> call N1ger
Call-Sign: KC1PG                    Class: ADVANCED
Previously:   N1GER                 Class: TECHNICIAN
Real Name: KEVIN J PARSONS          Birthday: DEC 1, 1952
Mailing Address: 81 DUDLEY RD, WETHERSFIELD, CT  06109
Station Address: SAME AS MAILING ADDRESS
Valid From: MAY 30, 1989            To: MAY 30, 1999
Records Last Processed: MAY 30, 1989
>> call n1gh
No references found
>> call n1ght
Call-Sign: N1GHT                    Class: TECHNICIAN
Real Name: ARCHIBALD A TALMAGE III  Birthday: OCT 13, 1943
Mailing Address: 438 BEACHWOOD RD, KENNEBUNKPORT, ME  04046
Station Address: SAME AS MAILING ADDRESS
Valid From: FEB 21, 1989            To: FEB 21, 1999
Records Last Processed: FEB 21, 1989
>> call N1na
Call-Sign: N1NA                     Class: EXTRA
Real Name: CHARLES P MICHAUD        Birthday: MAY 21, 1941
Mailing Address: 98 RUTH AVE, RUMFORD, RI  02916
Station Address: SAME AS MAILING ADDRESS
Valid From: JUN 3, 1986             To: JUN 3, 1996
Records Last Processed: JUN 3, 1986
>> call n1ne
No references found
>> call n1nth
No references found
>> call n1p
No references found
>> call n1t
No references found
>> call n1tty
No references found
>> call N0ah
No references found
>> call n0d
No references found
>> call n0de
Call-Sign: N0DE                     Class: EXTRA
Real Name: JAMES M ROHLER           Birthday: JAN 13, 1941
Mailing Address: 1967 BRISTOL DR, BETTENDORF, IA  52722
```

```
Station Address: SAME AS MAILING ADDRESS
Valid From: MAR 10, 1987            To: MAR 10, 1997
Records Last Processed: MAR 10, 1987
>> call n0n
No references found
>> call n0nce
No references found
>> call n0ne
No references found
>> call n0r
No references found
>> call n0rm
Call-Sign: N0RM                     Class: EXTRA
Real Name: RICHARD C MACK           Birthday: JUN 19, 1920
Mailing Address: 19 GRAVELLY RANGE RD, ENNIS, MT  59729
Station Address: ON CALL RD 9 MI S OF, ENNIS, MT
Valid From: FEB 25, 1986            To: FEB 25, 1996
Records Last Processed: FEB 25, 1986
>> call N0rma
No references found
>> call n0rth
No references found
>> call n0t
No references found
>> call n0tch
No references found
>> call n0te
Call-Sign: N0TE                     Class: EXTRA
Real Name: ALLEN W STEINER          Birthday: MAR 18, 1937
Mailing Address: RT 1 BOX 114, BURLINGTON, KS  66839
Station Address: RR 1 5 MILES N OF, BURLINGTON, KS
Valid From: JAN 5, 1988             To: JAN 5, 1998
Records Last Processed: JAN 5, 1988
>> call n0un
No references found
>> call N0v
No references found
>> call n0va
No references found
>> call N0vak
No references found
>> call n0w
No references found
>> call wa1t
No references found
>> call Wa1te
No references found
>> call wa1ve
No references found
>> call Wa1den
No references found
>> call wa1e
No references found
```

```
>> call wa1k
No references found
>> call wa1nut
No references found
>> call Wa1t
No references found
>> call Wa1ter
Call-Sign: WA1TER                   Class: TECHNICIAN
Real Name: JEFFREY W SPENCER        Birthday: JUL 4, 1960
Mailing Address: 1817 COLDSPRINGS RD, LIVERPOOL, NY  13090
Station Address: SAME AS MAILING ADDRESS
Valid From: JUL 12, 1988            To: JUL 12, 1998
Records Last Processed: JUL 12, 1988
>> call wa1tz
No references found
>> call wa5h
Call-Sign: WA5H                     Class: EXTRA
Previously:  KE5SL                  Class: ADVANCED
Real Name: JACK B ROGERS            Birthday: APR 7, 1960
Mailing Address: 129 SPRINGBRANCH CIR, BRANDON, MS  39042
Station Address: SAME AS MAILING ADDRESS
Valid From: SEP 24, 1985            To: SEP 24, 1995
Records Last Processed: SEP 24, 1985
>> call wa5hy
No references found
>> call wa5p
Call-Sign: WA5P                     Class: EXTRA
Previously:  KA5DNB                 Class: ADVANCED
Real Name: PHILLIP B WILLIAMS       Birthday: OCT 31, 1941
Mailing Address: RT 1 BOX 115A, RUDY, AR  72952
Station Address: 4.2 MI W HWY 282 ON LANCASTER RD 3.6 MI N OF ALMA, RUDY, AR
Valid From: AUG 4, 1987             To: AUG 4, 1997
Records Last Processed: AUG 4, 1987
>> call wa5t
Call-Sign: WA5T                     Class: EXTRA
Previously:  KD5OT                  Class: ADVANCED
Real Name: PETER M WENE             Birthday: JUL 18, 1949
Mailing Address: 316 TOPEKA CT, ANDREWS AFB, MD  20335
Station Address: SAME AS MAILING ADDRESS
Valid From: DEC 3, 1985             To: DEC 3, 1995
Records Last Processed: DEC 3, 1985
>> call wa5te
No references found
>> call we8er
No references found
>> call we1gh
No references found
>> call we1ght
No references found
>> call we1r
No references found
>> call we1rd
No references found
```

```
>> call We1ch
No references found
>> call we1d
No references found
>> call we1t
No references found
>> call we5t
Call-Sign: WE5T                     Class: EXTRA
Previously:  KB5EI                  Class: ADVANCED
Real Name: MYRON R ERWIN            Birthday: DEC 9, 1918
Mailing Address: POB 205, TALLULAH, LA  71282
Station Address: 309 MONROE ST, TALLULAH, LA
Valid From: DEC 31, 1985            To: DEC 31, 1995
Records Last Processed: DEC 31, 1985
>> call wh1ch
No references found
>> call wh1ff
No references found
>> call wh1g
No references found
>> call wh1m
No references found
>> call wh1ne
No references found
>> call wh1nny
No references found
>> call wh1p
No references found
>> call wh1r
No references found
>> call wh1t
No references found
>> call wh1te
No references found
>> call wh1ten
No references found
>> call wh1z
No references found
>> call wh0a
No references found
>> call wh0m
No references found
>> call wh0p
No references found
>> call wh0re
No references found
>> call w1ck
Call-Sign: W1CK                     Class: EXTRA
Real Name: ETIENNE J RESWEBER       Birthday: FEB 8, 1958
Mailing Address: 2454 SILVER STRAND AVE, HERMOSA BEACH, CA  90254
Station Address: SAME AS MAILING ADDRESS
Valid From: APR 21, 1987            To: APR 21, 1997
Records Last Processed: APR 21, 1987
```

```
>> call w1de
Call-Sign: W1DE                     Class: EXTRA
Real Name: EDWARD J DROZDICK        Birthday: JAN 5, 1924
Mailing Address: 30 NEBO ST, MEDFIELD, MA  02052
Station Address: SAME AS MAILING ADDRESS
Valid From: NOV 30, 1984            To: NOV 30, 1994
Records Last Processed: NOV 30, 1984
>> call w1den
No references found
>> call w1dth
No references found
>> call W1er
Call-Sign: W1ER                     Class: EXTRA
Real Name: JOHN E TRAUB             Birthday: MAY 29, 1929
Mailing Address: RFD 1 HYVUE DR, NEWTOWN, CT  06470
Station Address: SAME AS MAILING ADDRESS
Valid From: SEP 2, 1986             To: SEP 2, 1996
Records Last Processed: SEP 2, 1986
>> call w1fe
No references found
>> call w1g
No references found
>> call w1n
No references found
>> call w1nce
No references found
>> call w1nch
No references found
>> call w1nd
Call-Sign: W1ND                     Class: EXTRA
Real Name: JAMES P MORAN            Birthday: MAR 14, 1917
Mailing Address: 41 ATLANTIC ST, WINTHROP, MA  02152
Station Address: SAME AS MAILING ADDRESS
Valid From: JAN 6, 1984             To: JAN 6, 1994
Records Last Processed: JAN 6, 1984
>> call w1ndy
Call-Sign: W1NDY                    Class: GENERAL
Real Name: LESTER J VINCENT         Birthday: SEP 20, 1920
Mailing Address: 161 COOPER HILL ST, MANCHESTER, CT  06040
Station Address: SAME AS MAILING ADDRESS
Valid From: APR 2, 1985             To: APR 2, 1995
Records Last Processed: APR 2, 1985
>> call w1ne
Call-Sign: W1NE                     Class: EXTRA
Real Name: GEORGE E ROGERS          Birthday: FEB 25, 1903
Mailing Address: 8 SPRING ST, LEXINGTON, MA  02173
Station Address: SAME AS MAILING ADDRESS
Valid From: APR 20, 1984            To: APR 20, 1994
Records Last Processed: APR 20, 1984
>> call w1ng
Call-Sign: W1NG                     Class: EXTRA
Real Name: KENNETH N BOLIN          Birthday: JUL 10, 1947
Mailing Address: 132 HIGH MEADOW DR, SOUTHBURY, CT  06488
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Station Address: SAME AS MAILING ADDRESS
Valid From: OCT 16, 1984            To: OCT 16, 1994
Records Last Processed: OCT 16, 1984
>> call w1nk
Call-Sign: W1NK                     Class: ADVANCED
Real Name: ROBERT E COLEMAN         Birthday: APR 7, 1910
Mailing Address: 19 BANKS ST, WINTHROP, MA  02152
Station Address: SAME AS MAILING ADDRESS
Valid From: FEB 3, 1987             To: FEB 3, 1997
Records Last Processed: FEB 3, 1987
>> call w1ny
No references found
>> call w1pe
Call-Sign: W1PE                     Class: EXTRA
Real Name: CHESTER J GORSKI         Birthday: MAR 5, 1944
Mailing Address: STONEHOUSE RD, AMSTON, CT  06231
Station Address: SAME AS MAILING ADDRESS
Valid From: JUL 14, 1987            To: JUL 14, 1997
Records Last Processed: JUL 14, 1987
>> call w1re
No references found
>> call w1ry
No references found
>> call w1t
No references found
>> call w1tch
No references found
>> call w1th
No references found
>> call w1the
No references found
>> call w1thy
No references found
>> call W1tt
Call-Sign: W1TT                     Class: EXTRA
Real Name: MILTON W MIX             Birthday: SEP 7, 1903
Mailing Address: 25 HIGH ROCK RD, WAYLAND, MA  01778
Station Address: SAME AS MAILING ADDRESS
Valid From: SEP 23, 1983            To: SEP 23, 1988
Records Last Processed: SEP 23, 1983
>> call w1tty
Call-Sign: W1TTY                    Class: ADVANCED
Real Name: HORACE SCHERMERHORN      Birthday: JUL 19, 1925
Mailing Address: 10 VILLAGE DR, EAST SANDWICH, MA  02537
Station Address: SAME AS MAILING ADDRESS
Valid From: MAR 12, 1985            To: MAR 12, 1995
Records Last Processed: OCT 27, 1987
>> call w1ve
No references found
>> call w0e
No references found
>> call w0k
No references found
```

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>> call w0ke
Call-Sign: W0KE                     Class: EXTRA
Real Name: KENNETH E BLEICH         Birthday: DEC 27, 1936
Mailing Address: 13124 GASCOGNE CT, CREVE COVER, MO  63141
Station Address: SAME AS MAILING ADDRESS
Valid From: JUL 20, 1984            To: JUL 20, 1994
Records Last Processed: JUL 20, 1984
>> call w0man
No references found
>> call w0men
No references found
>> call w0n
No references found
>> call W0ng
No references found
>> call w0nt
Call-Sign: W0NT                     Class: EXTRA
Real Name: DAVID B ROBERTS          Birthday: AUG 15, 1946
Mailing Address: 6860 S PENNSYLVANIA ST, LITTLETON, CO  80122
Station Address: SAME AS MAILING ADDRESS
Valid From: MAR 3, 1987             To: MAR 3, 1997
Records Last Processed: MAR 3, 1987
>> call w0p
No references found
>> call w0rd
No references found
>> call w0rdy
Call-Sign: W0RDY                    Class: ADVANCED
Real Name: RUBEN B DERKSEN          Birthday: MAR 2, 1917
Mailing Address: 4224 291ST ST, RANDOLPH, MN  55065
Station Address: SAME AS MAILING ADDRESS
Valid From: OCT 29, 1985            To: OCT 29, 1995
Records Last Processed: OCT 29, 1985
>> call w0re
Call-Sign: W0RE                     Class: EXTRA
Real Name: JAMES R STOWE            Birthday: MAR 12, 1918
Mailing Address: BOX 36, COALDALE, CO  81222
Station Address: 13457 COUNTY RD 45, COALDALE, CO
Valid From: OCT 22, 1985            To: OCT 22, 1995
Records Last Processed: OCT 22, 1985
>> call w0rk
Call-Sign: W0RK                     Class: EXTRA
Real Name: THOMAS W VESTLE          Birthday: APR 24, 1919
Mailing Address: 308 E 15TH ST, HUTCHINSON, KS  67501
Station Address: SAME AS MAILING ADDRESS
Valid From: JAN 3, 1989             To: JAN 3, 1999
Records Last Processed: JAN 3, 1989
>> call w0rm
Call-Sign: W0RM                     Class: EXTRA
Real Name: LARS E WAHLIN            Birthday: AUG 31, 1929
Mailing Address: 4696 FORDHAM CIR, BOULDER, CO  80301
Station Address: SAME AS MAILING ADDRESS
Valid From: JAN 13, 1984            To: JAN 13, 1994
```

```
Records Last Processed: JAN 13, 1984
>> call w0rmy
Call-Sign: W0RMY                    Class: GENERAL
Real Name: JAMES P ASHER            Birthday: JAN 27, 1942
Mailing Address: 6857 E THOMAS RD, SCOTTSDALE, AZ  85251
Station Address: 6101 N 9TH AVE, PHOENIX, AZ
Valid From: APR 28, 1987            To: APR 28, 1997
Records Last Processed: APR 28, 1987
>> call w0rn
Call-Sign: W0RN                     Class: EXTRA
Real Name: HARRY C SNYDER           Birthday: APR 16, 1927
Mailing Address: BOX 6107, CAREFREE, AZ  85377
Station Address: 8601 DOGLEG DR, CAREFREE, AZ
Valid From: NOV 8, 1988             To: NOV 8, 1998
Records Last Processed: NOV 8, 1988
>> call w0rry
Call-Sign: W0RRY                    Class: EXTRA
Previously: SAME CALL               Class: ADVANCED
Real Name: CHARLES E CALHOUN        Birthday: JAN 25, 1941
Mailing Address: 13914 N 90 E AVE, COLLINSVILLE, OK  74021
Station Address: SAME AS MAILING ADDRESS
Valid From: MAY 5, 1987             To: MAY 5, 1997
Records Last Processed: MAY 5, 1987
>> call w0rth
Call-Sign: W0RTH                    Class: ADVANCED
Real Name: ROBERT C TESAR           Birthday: AUG 1, 1918
Mailing Address: 3390 CORTINA DR, COLORADO SPRINGS, CO  80918
Station Address: SAME AS MAILING ADDRESS
Valid From: NOV 24, 1987            To: NOV 24, 1997
Records Last Processed: NOV 24, 1987
>> call W0tan
No references found
>> call w0und
No references found
>> call w0ve
Call-Sign: W0VE                     Class: EXTRA
Real Name: JAMES C STALLMAN         Birthday: AUG 19, 1941
Mailing Address: 1301 BRADSHAW, COLUMBIA, MO  65201
Station Address: SAME AS MAILING ADDRESS
Valid From: APR 28, 1987            To: APR 28, 1997
Records Last Processed: APR 28, 1987
>> call w0ven
No references found
>> call w0w
No references found
>> call wr1ght
No references found
>> call wr1ng
No references found
>> call wr1t
No references found
>> call wr1te
No references found
```

```
>> call wr1the
No references found
>> call wr0ng
No references found
>> call wr0te
No references found
>> quit
Connection closed by foreign host.
```

```
From -7830708110090009426
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ead4ecd7a00e55aa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-09 05:16:12 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!apple!agate!ucbvax!ucsfcgl!pixar!pixar.uucp!whorfin
From: whorfin@pixar.uucp (Nail.  Head.  Bang.)
Newsgroups: rec.ham-radio
Subject: Request for mods for Pro-2024
Message-ID: <11381@pixar.UUCP>
Date: 9 Jun 90 08:01:58 GMT
Sender: news@pixar.UUCP
Organization: Pixar -- Marin County, California
Lines: 10
Posted: Sat Jun  9 09:01:58 1990

My request for mods for the Pro-38 met with thunderous silence.  I have heard
from two sources that ``you can't do that''.

In the mean time, how about the Pro-2024?  The usual - restoral of 66-88,
800, more memory.  I note that this model is extremely similar to the Pro-2022
which has far more memory, and 800 coverage.
---
     Rick Sayre                       "Use more honey;
            ucbvax!pixar!whorfin              find out what she knows"
            ucbvax!pixar.com!whorfin (after 6/15)
```

```
From 2656191128001820923
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1f0c6cd47c43f162,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-09 06:12:56 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!RADAR.NRL.NAVY.MIL!hemenway
From: hemenway@RADAR.NRL.NAVY.MIL (Don Hemenway)
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V1 #16
Message-ID: <9006091257.AA14490@radar.nrl.navy.mil>
Date: 9 Jun 90 13:57:02 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 2
```

Posted: Sat Jun 9 14:57:02 1990

From -5676166267845114423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0ecc39eae35a895
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-09 06:22:54 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!ucbvax!CONSRT.ROK.COM!
postmstr"%mrgate."ssxmb.decnet
From: postmstr%mrgate.ssxmb.decnet@CONSRT.ROK.COM ("MRGATE::"SSXMB::POSTMSTR"")
Newsgroups: rec.ham-radio
Subject: Delivery Failure Report
Message-ID: <9006091152.AA04935@ucsd.edu>
Date: 9 Jun 90 12:53:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Sat Jun 9 13:53:00 1990

From: POSTMSTR @SSXMB
To: MRREMNET @MRGATE
WINS%"INFO-HAMS @UCSD.EDU" @CONSRT @MRGATE

Author:
Sender: WINS%"INFO-HAMS @UCSD.EDU"@CONSRT@MRGATE@CONSRT
Subject: Info-Hams Digest V1 #16
Message Class:

Recipients:

BCCROWE@DALMAC

Unable to deliver mail from Sender name WINS%"INFO-HAMS@UCSD.EDU"@CONSRT@MRGATE@CONSRT.
Please contact your Soft-Switch Administrator to register this user in the Name Translate Directory.

From -737913973207220213
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,30a4d4605750768f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-09 14:04:10 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pt.cs.cmu.edu!andrew.cmu.edu!
hs0u+
From: hs0u+@andrew.cmu.edu (Harry Stumpf)
Newsgroups: rec.ham-radio

Subject: need filter advice
Message-ID: <kaQJFpW00WB8JEBkNh@andrew.cmu.edu>
Date: 9 Jun 90 19:56:37 GMT
Organization: Physics, Carnegie Mellon, Pittsburgh, PA
Lines: 5
Posted: Sat Jun 9 20:56:37 1990

I'm considering IRCI and Fox Tango filters for my TS-430S. Does anyone out there in netland have an opinion as to which I should get? I plan on getting a 400Hz CW filter and a 1.8kHz narrow SSB filter. Thanks and 73.

-Harry   hs0u@andrew.cmu.edu   NR3L-

From -8501550895784463343
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,efd37d6d68fb7894,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-09 17:27:40 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9006092317.AA05222@ucsd.edu>
Date: 9 Jun 90 23:14:30 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 378
Posted: Sun Jun 10 00:14:30 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #707 -
Alouette 1
1 00424U 62B-A  1 90143.97482870  .00000248  00000-0  28755-3 0  3260
2 00424  80.4630 309.9464 0023488 337.6047  22.4082 13.67348077379387
ATS 3
1 03029U 67111  A 90151.66034044 -.00000074  00000-0  99999-4 0  3820
2 03029  13.1859  21.3716 0015101 210.9434 148.9146  1.00272196 82623
Cosmos 398
1 04966U 71 16  A 90157.64682096  .00074385  17346-4  41232-3 0  9079
2 04966  51.5077 265.4854 2280288 127.3380 255.7838 11.04308279590535
Starlette
1 07646U 75010  A 90157.51573560  .00000167  00000-0  22642-3 0   815
2 07646  49.8225 200.6145 0203658 155.8244 205.2283 13.82144149774306
LAGEOS
```

```
1 08820U 76039  A 90155.11151443  .00000002  00000-0  00000 0 0   838
2 08820 109.8519 350.6475 0044611 240.8397 118.7855  6.38664271 73101
GPS-0001
1 10684U 78020  A 90155.47091011  .00000007  00000-0  99999-4 0  4327
2 10684  63.7236  89.9508 0117389 199.1014 160.4309  2.00556802 75598
GPS-0002
1 10893U 78 47  A 90154.94772732 -.00000025  00000-0  00000 0 0  1930
2 10893  64.3934 330.8205 0164724  26.0941 334.7260  2.00545329 88404
SeaSat 1
1 10967U 78064  A 90156.40757967  .00000773  00000-0  31024-3 0  3404
2 10967 108.0166 295.8371 0002359 246.4380 113.6480 14.35689827624769
GPS-0003
1 11054U 78093  A 90156.73194876 -.00000024  00000-0  00000 0 0  2331
2 11054  63.9214 327.0514 0060334 117.5287 243.0859  2.00567300 85453
Nimbus 7
1 11080U 78098  A 90150.23174242  .00000147  00000-0  16206-3 0  6775
2 11080  99.1974  55.5638 0009343 126.7484 233.4523 13.83434684585558
GPS-0004
1 11141U 78112  A 90156.33258608  .00000007  00000-0  00000 0 0  3858
2 11141  63.7439  89.8035 0060238 316.6931  42.8076  2.00557366 84141
GPS-0005
1 11690U 80 11  A 90155.47651219  .00000008  00000-0  00000 0 0  9832
2 11690  64.1721  91.9181 0119932 203.1963 156.2488  2.00555246 89985
GPS-0006
1 11783U 80 32  A 90154.78731032 -.00000024  00000-0  00000 0 0  1531
2 11783  63.7148 326.7147 0150709  60.8950 300.6108  2.00557638 74051
GOES 5
1 12472U 81049  A 90151.74245802 -.00000177  00000-0  99999-4 0  9351
2 12472   3.4380  76.1453 0004762 252.1896 106.8950  1.00148172 32068
DE 1
1 12624U 81 70  A 90154.94579701  .00000378  00000-0  17339-2 0  4473
2 12624  88.9352 148.0227 6202534 286.6997  17.0446  3.51021965261659
SME
1 12887U 81100  A 90157.36014481  .00021595  00000-0  38485-3 0  6849
2 12887  97.6363 204.1504 0003038  97.1878 262.9722 15.50125999479592
Salyut 7
1 13138U          90158.21426006  .00027475  00000-0  29800-3 0  3092
2 13138  51.6033 354.7111 0001640 169.8273 190.2785 15.63305589463296
Cosmos 1383
1 13301U 82 66  A 90148.93808898  .00000141  00000-0  15440-3 0  5770
2 13301  82.9274 314.8799 0026057 212.3583 147.5979 13.67828297395043
LandSat 4
1 13367U 82 72  A 90156.79860944  .00000407  00000-0  10031-3 0  3563
2 13367  98.1660 219.5506 0003824 148.8429 211.2997 14.57138558419645
IRAS
1 13777U 83  4  A 90151.04001392  .00000194  00000-0  15827-3 0  7791
2 13777  99.0258 348.1000 0013985  77.1669 283.1050 13.98784104 44549
Cosmos 1447
1 13916U 83 21  A 90149.04385117  .00000150  00000-0  14772-3 0  7275
2 13916  82.9436  26.2109 0036769 191.2634 168.7704 13.74041873360045
TDRS 1
1 13969U 83 26  B 90151.00000000  .00000128  00000-0  99999-4 0  9993
2 13969   4.4329  65.8056 0001047  18.4789 353.0624  1.00268768 92946
```

```
GOES 6
1 14050U 83 41  A 90153.89443675  .00000116  00000-0  99999-4 0  1854
2 14050   2.1661  78.6431 0000971 250.5098 108.2760  1.00290166 10126
OSCAR 10
1 14129U 83 58  B 90157.09033828 -.00000065  00000-0  00000 0 0  5274
2 14129  25.9956 200.7381 5958911 148.8920 266.8516  2.05881905 24509
GPS-0008
1 14189U 83 72  A 90157.31650164  .00000006  00000-0  99999-4 0  7691
2 14189  63.3537  88.2218 0147823 219.0765 139.8278  2.00705561 50544
LandSat 5
1 14780U 84 21  A 90156.82596767 -.00000197  00000-0 -38636-4 0  2145
2 14780  98.2062 217.0655 0000389  44.5431 315.5798 14.57109643333069
UoSat 2
1 14781U 84 21  B 90156.61567397  .00000860  00000-0  16760-3 0  7446
2 14781  97.9462 209.5469 0011698 287.2040  72.7880 14.65389143334278
GPS-0009
1 15039U 84 59  A 90154.92659091  .00000006  00000-0  00000 0 0  9461
2 15039  63.0904  87.4927 0021045 238.5319 121.2408  2.00612209 43773
Cosmos 1574
1 15055U 84 62  A 90156.25712067  .00000146  00000-0  14569-3 0  8838
2 15055  82.9570  71.1067 0028672 359.6003   0.5121 13.73358060298433
GPS-0010
1 15271U 84 97  A 90156.82878847 -.00000024  00000-0  00000 0 0  8475
2 15271  63.2257 326.1849 0105519 327.2953  32.0527  2.00556131 40925
Cosmos 1602
1 15331U 84105  A 90157.11218551  .00002269  00000-0  30916-3 0  3059
2 15331  82.5405  11.1834 0024076  13.0630 347.1115 14.78130265306456
NOAA 9
1 15427U 84123  A 90156.71989706  .00000163  00000-0  10956-3 0  5894
2 15427  99.1664 156.2832 0016025  44.3419 315.9035 14.12583291282365
Cosmos 1686
1 16095U 85 86  A 90156.87181822  .00026722  00000-0  29085-3 0  6573
2 16095  51.6041   1.5048 0001268 180.3937 179.6965 15.63231255264183
GPS-0011
1 16129U 85 93  A 90157.01633112  .00000007  00000-0  00000 0 0  5401
2 16129  63.8791  88.3801 0122683 149.3112 211.3932  2.00510552 34138
Mir
1 16609U          90158.23225767  .00027135  00000-0  32175-3 0  7176
2 16609  51.6143  20.9704 0010772  15.9591 344.2325 15.60941065246544
SPOT 1
1 16613U 86 19  A 90156.23552424 -.00000082  00000-0 -29431-4 0  9703
2 16613  98.7346 230.8301 0000890 156.0442 204.0787 14.20037170 62238
Cosmos 1766
1 16881U          90158.39007569  .00003766  00000-0  52156-3 0   160
2 16881  82.5226  69.0548 0023347  24.5741 335.6567 14.77617010207700
EGP
1 16908U 86 61  A 90158.36190645 -.00000208  00000-0 -11952-2 0  2256
2 16908  50.0309 286.2016 0011266 164.4734 195.6555 12.44385519173631
NOAA 10
1 16969U 86 73  A 90156.60881657  .00000617  00000-0  28704-3 0  4383
2 16969  98.6027 184.8145 0013018 308.0247  51.9755 14.23626479192966
MOS-1
1 17527U 87 18  A 90156.23547063 -.00000247  00000-0 -17085-3 0  5701
```

```
2 17527  99.1106 228.9414 0001147 112.2816 247.8467 13.94851561167593
GOES 7
1 17561U 87 22  A 90153.60387927  .00000077  00000-0  99999-4 0  5493
2 17561   0.0171  20.3779 0048741 239.7389  99.8136  0.99328507  5277
Kvant-1
1 17845U 87 30  A 90156.75987091 -.00153865  00000-0 -18695-2 0  1588
2 17845  51.6132  28.3870 0012059   6.8213 354.1225 15.60781394182366
DMSP B5D2-3
1 18123U 87 53  A 90156.80369046  .00000473  00000-0  26797-3 0  6046
2 18123  98.8200 347.5590 0015484  57.3226 302.9438 14.14046633152799
RS-10/11
1 18129U          90158.24981126  .00000138  00000-0  14059-3 0  2152
2 18129  82.9256 335.8699 0012672 141.2476 218.9588 13.72091938148086
Meteor 2-16
1 18312U 87 68  A 90156.46754170  .00000219  00000-0  18868-3 0  4349
2 18312  82.5505 299.5764 0011428 292.9706  67.0229 13.83649868141362
Meteor 2-17
1 18820U 88  5  A 90156.99370699  .00000167  00000-0  13946-3 0  2851
2 18820  82.5449 359.3631 0017422   0.8056 359.3129 13.84345313118634
DMSP B5D2-4
1 18822U 88  6  A 90156.86905236  .00000472  00000-0  23294-3 0  5030
2 18822  98.6504  36.1357 0006386 315.8695  44.1969 14.21453543121212
AO-13
1 19216U 88 51  B 90148.23246392  .00000105  00000-0  99999-4 0  1283
2 19216  56.9522 153.1540 6957743 228.0483  47.3201  2.09698248 14984
OKEAN 1
1 19274U 88 56  A 90158.23959183  .00000326  00000-0  44547-4 0  8137
2 19274  82.5150 167.8346 0022971 151.2605 208.9749 14.76982904103454
Meteor 3-2
1 19336U 88 64  A 90157.85755550  .00000392  00000-0  99999-3 0  4975
2 19336  82.5402 284.7291 0018110 344.3398  15.7102 13.16898493 89592
NOAA 11
1 19531U 88 89  A 90157.39337851  .00000328  00000-0  20095-3 0  2886
2 19531  98.9815 105.6890 0011353 319.0808  40.9513 14.11614778 87447
TDRS 2
1 19548U 88 91  B 90152.78897618  .00000113  00000-0  99999-4 0  1349
2 19548   0.0907  87.0989 0017504  52.2280 220.4072  1.00262977   126
Cosmos 2001
1 19796U 89 11  A 90157.72677111 -.00001034  00000-0  99999-4 0  4998
2 19796  63.2130  94.1996 7091103 319.9399   5.1434  2.00673222  9595
GPS BII-01
1 19802U 89 13  A 90142.03861096  .00000016  00000-0  99999-4 0  1303
2 19802  55.0581 198.4458 0055803 164.4555 195.7971  2.00642300  9225
Akebono
1 19822U 89 16  A 90157.69625927  .00025094  00000-0  17716-2 0  6276
2 19822  75.1160 243.9668 4178937 228.5100  87.3760  7.10291187 32685
Meteor 2-18
1 19851U 89 18  A 90154.64893920  .00000243  00000-0  20864-3 0  2344
2 19851  82.5236 239.2428 0016253  45.5452 314.7035 13.83979217 63691
TDRS 3
1 19883U 89 21  B 90154.00000000 -.00000236  00000-0  99999-4 0  1340
2 19883   0.0904  72.6212 0000439 153.4348 343.7667  1.00277031 74792
GPS BII-02
```

```
1 20061U 89 44  A 90157.19570947 -.00000032  00000-0  00000 0 0  1366
2 20061  54.7550  16.2398 0086227 172.8349 187.3452  2.00485486  7278
Nadezhda 1
1 20103U 89 50  A 90156.80876097  .00000094  00000-0  94094-4 0  1337
2 20103  82.9585 293.3830 0039498  70.2655 290.2754 13.73593794 46157
GPS BII-03
1 20185U 89 64  A 90157.13918754  .00000016  00000-0  99999-4 0  1283
2 20185  54.9022 198.6985 0024309 159.3722 200.8240  2.00626333  5841
Activnyi
1 20261U          90158.29956211  .00000561  00000-0  17286-3 0  5387
2 20261  82.5964 234.8436 1257934   0.8168 359.4599 12.43728992 31365
Activnyi RB
1 20262U 89 80  C 90155.28413880  .00000309  00000-0  94910-4 0  2397
2 20262  82.5949 236.8011 1261388   7.8075 354.0725 12.43197158 30985
Magion 2
1 20281U          90158.35106130  .00000453  00000-0  13782-3 0  5379
2 20281  82.5957 234.7406 1257603   0.5604 359.6563 12.43988275 31376
GPS BII-04
1 20302U 89 85  A 90156.43405920 -.00000028  00000-0  99999-4 0  1313
2 20302  54.6273 317.5443 0031592 318.8925  40.8724  2.00374350  4631
Meteor 3-3
1 20305U 89 86  A 90158.25758036  .00000034  00000-0  75770-4 0  1371
2 20305  82.5550 224.9950 0016118 359.3191   0.7905 13.15855924 29641
COBE
1 20322U 89 89  A 90157.06744326  .00004381  00000-0  28787-2 0  1360
2 20322  99.0196 167.3866 0009990  44.3898 315.8062 14.02273853 27936
Kvant-2
1 20335U 89 93  A 90156.82369817 -.00043141  00000-0 -50744-3 0  2617
2 20335  51.6150  28.0685 0010566   7.8203 352.0365 15.60844212 29985
GPS BII-05
1 20361U 89 97  A 90156.17029847  .00000015  00000-0  99999-4 0   800
2 20361  54.9860 140.8057 0062556  46.6808 313.9547  2.00579991  3486
SPOT 2
1 20436U 90  5  A 90158.24371357 -.00003117  00000-0 -14569-2 0  2235
2 20436  98.7345 232.8674 0001659  84.3734 275.7462 14.20033042 19333
UO-14
1 20437U 90  5  B 90157.25043101  .00000110  00000-0  51686-4 0  1611
2 20437  98.7088 233.4001 0012400 180.1294 179.9886 14.28624817 19307
UO-15
1 20438U 90  5  C 90158.25299533  .00001430  00000-0  58804-3 0   911
2 20438  98.6989 234.3758 0010733 177.3715 182.7528 14.28376096 19442
PACSAT
1 20439U 90  5  D 90158.29152781  .00000382  00000-0  16757-3 0   836
2 20439  98.7019 234.5188 0011186 180.6504 179.4668 14.28730423 19450
DO-17
1 20440U 90  5  E 90157.23747009  .00000464  00000-0  20042-3 0   860
2 20440  98.7038 233.4739 0011196 182.3300 177.7827 14.28775949 19301
WO-18
1 20441U 90  5  F 90156.24698547  .00000472  00000-0  20304-3 0   852
2 20441  98.7040 232.5010 0011787 186.8265 173.2720 14.28874390 19169
LO-19
1 20442U 90  5  G 90158.20120028  .00000224  00000-0  96556-4 0   864
2 20442  98.7038 234.4690 0012274 181.7350 178.3790 14.28941930 19442
```

```
GPS BII-06
1 20452U 90  8  A 90147.83563653  .00000001  00000-0  99999-4 0   755
2 20452  54.5567 256.8002 0028456  44.6049 315.6465  2.00875970  2439
MOS-1B
1 20478U 90 13  A 90157.84059613  .00000084  00000-0  75563-4 0  2919
2 20478  99.1903 228.1033 0001798  93.9160 266.2061 13.94842011 16694
DEBUT
1 20479U 90 13  B 90158.26403898 -.00000072  00000-0 -13252-3 0   772
2 20479  99.0392 206.6464 0541781  71.0355 294.8623 12.83156596 15478
FO-20
1 20480U 90 13  C 90157.17501493  .00000048  00000-0  15597-3 0   802
2 20480  99.0408 205.7596 0542049  73.5802 292.4161 12.83136818 15337
MOS-1B R/B
1 20491U 90 13  D 90158.07262524  .00000056  00000-0  15088-3 0   818
2 20491  99.0380 209.8719 0471504  54.9996 309.4446 13.02718520 15089
Soyuz TM-9
1 20494U 90 14  A 90156.75950432 -.00040572  00000-0 -47667-3 0  1556
2 20494  51.6210  28.3954 0010529   7.7024 351.1921 15.60847906 17886
LACE
1 20496U 90 15  A 90158.08524949  .00002837  00000-0  18211-3 0  1628
2 20496  43.0970  18.2377 0015244 289.3117  70.6085 15.10503846 16995
RME
1 20497U 90 15  B 90157.96371997  .00007765  00000-0  22395-3 0  1632
2 20497  43.1040 355.8221 0018695 276.9709  82.8911 15.35938890 17267
Nadezhda 2
1 20508U 90 17  A 90156.27980339  .00000091  00000-0  91038-4 0   888
2 20508  82.9547  68.6881 0045708  20.9415 339.3603 13.73212551 13375
OKEAN 2
1 20510U 90 18  A 90158.27948448  .00000864  00000-0  13062-3 0  1642
2 20510  82.5260 106.8498 0018553 311.1933  48.7706 14.73128082 14612
INTELSAT-6
1 20523U 90 21  A 90157.87360466 -.00006666  00000-0 -48863-3 0  1637
2 20523  28.3467 331.2429 0015658  84.4123 275.8501 15.03104486 12895
GPS BII-07
1 20533U 90 25  A 90140.98718512 -.00000032  00000-0  00000 0 0   473
2 20533  55.0719  17.0265 0033840  99.7665 260.6670  2.00594792  1054
Offeq 2
1 20540U 90 27  A 90157.70828851  .01021835 -65614-4  18085-2 0  1364
2 20540 143.1923  92.2139 0586142 189.0492 169.9981 14.88786265  9255
PegSat
1 20546U 90 28  A 90157.55574584  .00002454  00000-0  15538-3 0  1083
2 20546  94.1208 209.4551 0150803  11.4357 349.0374 15.00214947  9245
1990 030B
1 20559U 90 30  B 90133.67279168  .00011178  00000-0  37832-2 0   528
2 20559  31.2905  11.0753 7319241 198.5461 105.1812  2.22962208   811
Cosmos 2072
1 20568U 90 33  A 90133.90710463  .00331011  56513-4  42018-3 0  1052
2 20568  64.7618  49.0650 0033867  86.1627 274.2603 16.05900007  4844
Palapa-B2R
1 20570U 90 34  A 90137.02166144 -.00000317  00000-0  99999-4 0   514
2 20570   0.0523  15.3218 0007680 110.1335 231.8008  1.00108506   295
1990 034B
1 20571U 90 34  B 90135.25637826  .00001978  00000-0  32479-3 0   554
```

```
2 20571  22.7504 176.4934 0628149 118.0040 248.5409 13.82067297  4332
1990 034C
1 20572U 90 34  C 90135.84989660  .00032231  00000-0  39037-2 0   491
2 20572  18.9297 347.9472 7375661 200.8035  96.7659  2.18270624   692
Cosmos 2074
1 20577U 90 36  A 90136.03907435  .00000094  00000-0  93615-4 0   474
2 20577  82.9451 138.3064 0025496 217.6457 142.2914 13.73710956  3463
1990 036B
1 20578U 90 36  B 90142.63696705  .00000143  00000-0  13889-3 0   539
2 20578  82.9423 133.3810 0019220 181.1997 178.9117 13.75020736  4373
HST
1 20580U 90 37  B 90157.74572456  .00002439  00000-0  26731-3 0   829
2 20580  28.4703 316.0141 0005785  20.6795 339.3984 14.84389289  6428
Cosmos 2075
1 20581U 90 38  A 90144.24709396 -.00004275  00000-0 -17923-3 0   877
2 20581  74.0254 356.0235 0023185 277.7210  82.1092 15.23022306  4379
1990 038B
1 20582U 90 38  B 90142.57824248  .00024584  00000-0  98348-3 0   723
2 20582  74.0294 359.4297 0031040 293.1471  66.6509 15.24541833  4124
Molniya1-77
1 20583U 90 39  A 90144.15730607  .00000070  00000-0 -16867-2 0   793
2 20583  62.7982 183.9973 7353596 288.2139   9.5835  2.00619305   573
1990 039B
1 20584U 90 39  B 90144.83967752  .03903616  41472-4  10039-2 0  1048
2 20584  62.7619  78.2685 0067648 125.7776 235.2487 16.21902308  4540
1990 39D
1 20586U 90 39  D 90143.60954820  .00000419  00000-0  68663-3 0   226
2 20586  62.8248 184.0281 7395335 288.1806   9.3720  1.96420289   535
Cosmos 2076
1 20596U 90 40  A 90151.40303225 -.00001233  00000-0  79009-3 0   438
2 20596  63.0666 334.8186 7375665 318.5072   4.4103  2.00587266   669
1990 40B
1 20597U 90 40  B 90148.20589656  .39662252  43947-4  29451-3 0   822
2 20597  62.7886 226.6703 0013442 121.7004 238.9820 16.52106649  4698
1990 40D
1 20599U 90 40  D 90150.97163910 -.00000504  00000-0 -84377-3 0   296
2 20599  63.1771 334.5570 7351260 318.5828   4.4750  2.03474794   660
Cosmos 2077
1 20604U          90158.37886313  .00725924  40759-4  27080-3 0   814
2 20604  62.8257 333.1699 0060076 101.9574 258.8145 16.19247749  4933
1990 043A
1 20607U 90 43  A 90154.58485080  .00001120  00000-0  20723-3 0   192
2 20607  89.8914 194.9155 0111658 193.2628 166.5623 14.60797763  3634
1990 043B
1 20608U 90 43  B 90156.63732514  .00001208  00000-0  22219-3 0   243
2 20608  89.8880 194.8777 0113098 185.9515 174.0359 14.60976579  3936
1990 043C
1 20609U 90 43  C 90158.04272350  .00002861  00000-0  46262-3 0   259
2 20609  89.6516 194.0171 0061245 223.5827 136.0538 14.69865436  4163
Cosmos 2078
1 20615U          90158.37720371  .00197490  70517-5  14302-3 0   671
2 20615  69.9871 355.5385 0057186  63.4735 297.2329 16.11825372  3705
Cosmos 2079
```

```
1 20619U 90 45  A 90158.34964756 -.00000015  00000-0  99999-4 0   327
2 20619  64.8781  39.3223 0112084 293.8514  65.0395  2.16695999   413
Cosmos 2080
1 20620U 90 45  B 90157.95794243 -.00000015  00000-0  99999-4 0   316
2 20620  64.8642  39.3398 0008394  35.3122 323.5262  2.13116105   415
Cosmos 2081
1 20621U 90 45  C 90158.01787985 -.00000015  00000-0  99999-4 0   275
2 20621  64.8936  39.3435 0011990 201.8322 158.1664  2.13104100   412
1990 045E
1 20623U 90 45  E 90157.58152101 -.00000015  00000-0  99999-4 0   140
2 20623  64.8887  39.3528 0010572 338.3290  21.6928  2.13414266   400
Cosmos 2082
1 20624U 90 46  A 90157.93797763  .00000192  00000-0  12640-3 0   276
2 20624  70.9987 331.8707 0004985  24.6719 335.4671 14.12167408  2229
1990 046B
1 20625U 90 46  B 90157.50064328  .00000135  00000-0  82761-4 0   127
2 20625  71.0017 332.7393 0015618 324.5381  35.4708 14.13306829  2163
RESURS-F
1 20632U          90158.33324088  .00058061  00000-0  89185-4 0   308
2 20632  82.3325  12.5786 0009662 279.1301  80.8865 16.03998167  1458
Kristall
1 20635U          90158.47684551  .00037857  00000-0  52092-3 0   283
2 20635  51.6219  19.6431 0025887 300.6576  49.2469 15.56490615  1123
1990 048B
1 20636U 90 48  B 90158.01145399  .01322133  56734-4  70784-3 0   199
2 20636  51.6289  20.9710 0047722 115.2729 246.2898 16.16274986   951
1990 049A
1 20638U 90 49  A 90157.50950153  .00001326  00000-0  13464-3 0    96
2 20638  52.9871  97.6478 0013898 313.0357  46.9464 14.97548511   687
1990 049B
1 20639U 90 49  B 90156.12811349  .00006926  00000-0  31515-3 0    51
2 20639  52.5172  97.3647 0075626 258.1541 101.0934 15.19333934   494
1989 100N
1 20640U 89100  N 90158.39260232  .00104636  00000-0  49542-2 0    98
2 20640  73.5286 114.0673 0012065 203.4022 156.5470 15.18754076 24608
```

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```
Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology
```

From -4440473566276592207
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1591df6be7d06c38,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-09 20:59:53 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!uokmax!occrsh!att!watmath!watserv1!rnelson
From: rnelson@watserv1.waterloo.edu (Randy Nelson VE3WRN)
Newsgroups: rec.ham-radio
Subject: Field Day Logging Program Available
Message-ID: <1990Jun9.051130.24168@watserv1.waterloo.edu>
Date: 9 Jun 90 05:11:30 GMT
Distribution: rec

```
Organization: University of Waterloo
Lines: 13
Posted: Sat Jun  9 06:11:30 1990
```

A new field day logging program is now available via anonymous ftp at ucsd.edu (128.54.16.1) in /pub/hamradio. FIELDAY.ZIP was tested by our club (VE3IC) last year. The author, Paul Cassel (VE3SY) has done an excellent job. Please try out this program and let me know what you think of it. I will pass on your comments to Paul.

```
73 de Randy VE3WRN
--
Randy Nelson VE3WRN  Ontario Representative      rnelson@watserv1.uwaterloo.edu
197A Cedarvale Cr.   Disability Information    ..uunet!watmath!watserv1!rnelson
WATERLOO, ON         Services of Canada.         rnelson@uncaedu.bitnet
N2L 4T3          (519)884-2989 (Voice and TDD)   VE3WRN @ VE3EUK.ON.CAN.NA
```

```
From -8036069178180069911
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0ecc39eae35a895
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-09 23:48:41 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!CONSRT.ROK.COM!
postmstr"%mrgate."ssxmb.decnet
From: postmstr%mrgate.ssxmb.decnet@CONSRT.ROK.COM ("MRGATE::"SSXMB::POSTMSTR"")
Newsgroups: rec.ham-radio
Subject: Delivery Failure Report
Message-ID: <9006100633.AA17789@ucsd.edu>
Date: 10 Jun 90 07:32:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Sun Jun 10 08:32:00 1990

From:    POSTMSTR @SSXMB
To:  MRREMNET @MRGATE
     WINS%"INFO-HAMS @UCSD.EDU" @CONSRT @MRGATE


      Author:
      Sender:  WINS%"INFO-HAMS @UCSD.EDU"@CONSRT@MRGATE@CONSRT
      Subject: Info-Hams Digest V1 #17
      Message Class:

      Recipients:

           BCCROWE@DALMAC
```

Unable to deliver mail from Sender name WINS%"INFO-HAMS@UCSD.EDU"@CONSRT@MRGATE@CONSRT.

Please contact your Soft-Switch Administrator to register this user in the Name Translate Directory.

From -2192094643842012109
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f92aac733dcffee6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-10 02:14:35 PST
Path: gmdzi!unido!mcsun!uunet!wa3wbu!compnect!dave
From: dave@compnect.UUCP (Dave Ratcliffe)
Newsgroups: rec.ham-radio
Subject: Re: EBS Recordings, etc.
Summary: Tapes OR script...
Message-ID: <615@compnect.UUCP>
Date: 9 Jun 90 23:22:48 GMT
References: <9006071242.AA21383@decpa.pa.dec.com>
Organization: John Core at home, Harrisburg,PA
Lines: 49
Posted: Sun Jun 10 00:22:48 1990

In article <9006071242.AA21383@decpa.pa.dec.com>, judice@sulaco.enet.dec.com ("Louis J. Judice") writes:
>
>
> My understanding from talking to a former radio station employee is that
> there are/were two classes of stations (primary and secondary - my terms).

Good choice of terms. They're correct.

> The secondary stations, in the event of an emergency, tuned to one of the
> primary stations and rebroadcast it. The EBS equipment rack included
> tone detection, etc. and a specially packaged AM radio (not mil-spec, though,
> supposedly of lower quality than the cheapest auto AM radios).

In the OLD days, we used 'semi-cheap' rack mount radios that operated on carrier the carrier detect idea. You tuned it to the Primary EBS station for your region and pressed a button to lock a relay to silence the receiver. As long as the primary maintained a carrier, the receiver stayed quiet. When the primary ran a test, they started by turning the plates off and on on the transmitter 3 times to trigger all the monitors at the secondary sites, then ran a cart with the old familiar tone followed by the "....If this had been an actual alert, you would have been instructed...". When a primary ran a test, the secondaries only logged it but ran their own according to a set schedule. If a REAL notification came through, secondaries were supposed to tell people where to tune (just like the old Conelrad 640/1240 stuff) then sign-off, NOT rebroadcast material. I guess the idea was to cut the clutter and make sure ONLY authorized info was disseminated.

> I think this is why there is divergent opionion in this discussion from
> knowledgeable radio station people - the EBS implementation varied, depending
> on what kind of station it was installed in.

Basically it's the same now except the old carrier latch receivers have been replaced with the dual tone decoders and there are now several more levels of alert as opposed to the old "The sky is falling! Run for your lives!" approach :-)

As to the tapes everyone is talking about, some stations still keep the scripts in a copy book for the console operator to read and others have them already canned so all the jock has to do is stuff in the cart, hit a button and run for the shelter (:-) again)

          >> Dave <<

```
[------: Dave Ratcliffe :--------:-: 2832 Croyden Rd. Harrisburg Pa. 17104 :-]
:   dave@compnect.uucp    -or-   :          The Data Factory BBS            :
: uunet!wa3wbu!compnect!dave -or-:   Data: (717)657-4997 - (717)657-4992     :
:   compnect!dave@uunet.UU.NET   :..........................................]
[........use what works.........]
```

```
From 7306690042872794084
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31a91051c4a495a3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-10 05:55:45 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: AMSAT Bulletins, 6/9/90
Message-ID: <818@ssc.UUCP>
Date: 10 Jun 90 03:29:11 GMT
Organization: very little
Lines: 449
Posted: Sun Jun 10 04:29:11 1990
```

SB ALL @ AMSAT $ANS-160.01
STS-35/SAREX MISSION DELAYED

HR AMSAT NEWS SERVICE BULLETIN 160.01 FROM AMSAT HQ
SILVER SPRING, MD JUNE 9, 1990
TO ALL RADIO AMATEURS BT

STS-35/SAREX Mission Delayed Possibly for Two Months

This week NASA engineers and technicians found the hydrogen leak which prevented the lift-off of the shuttle Columbia (STS-35) on May 29th. Because of the danger of an explosion from a hydrogen leak in the engine compartment, NASA officials scrubbed the launch and worked up a plan to find it. The leak was located between two plates that connect the shuttle and the external tank. Since this is considered a major repair and one that cannot be performed on the launch pad, Columbia will have to be rolled back to the huge Vehicle Assembly Building (VAB). The roll-back will happen sometime next week and the repair of the leak and the return to flight readiness status of Columbia could take about a month. Complicating the repair work is the planned launch of the shuttle Atlantis (STS-38) for mid-July. Since Atlantis is carrying a secret military payload, it has national security priority over the scientific mission of STS-35. NASA officials now are saying that it could be August before Columbia and the STS-35/SAREX mission can get off the ground.

STS-35 is planned to be an all scientific shuttle mission carrying the ASTRO-1 observatory in its cargo bay. Also flying aboard as a secondary experiment is the Shuttle Amateur Radio Experiment (SAREX) payload. The SAREX station consists of a packet radio ROBOT TNC, a 2 meter FM hand-held transceiver, and a Grid laptop computer to be operated by Payload Specialist, Ron Parise (WA4SIR). The special software written for this packet station will allow amateurs to receive a QSO number after they successfully connect with the station on packet. Also, the plan is for WA4SIR to conduct 2 meter FM voice QSOs with amateurs on the ground.

Please stay tuned to AMSAT Nets and for further updates on the STS-35/SAREX mission.
/EX
SB ALL @ AMSAT $ANS-160.02
ZRO TESTS CONTINUE

HR AMSAT NEWS SERVICE BULLETIN 160.02 FROM AMSAT HQ
SILVER SPRING, MD JUNE 9, 1990
TO ALL RADIO AMATEURS BT

Station Receiving Tests Continue

The following Mode "B" and "JL" ZRO tests remain in the current test rotation. They are scheduled for convenient operating times and favorable squint angles. The "B" tests can be heard on 145.840 MHz and the "JL" tests on 435.945 MHz.

Saturday	June 16, 1990 at 2200 UTC	"JL"
Saturday	June 16, 1990 at 2340 UTC	"B"
Saturday	June 30, 1990 at 1840 UTC	"JL"
Saturday	June 30, 1990 at 1930 UTC	"B"

Any changes will be announced as soon as possible via the AMSAT HF and AO-13 Operations Nets. Recently updated ZRO brochures are available from WA5ZIB, Andy MacAllister, AMSAT V.P. User Operations, 14714 Knightsway Drive, Houston, TX 77083 for an S.A.S.E. with two units of postage. The brochure describes test procedures and means for obtaining certificates and gives some historical background about the program.

All listener reports with date of test and numbers copied should be sent to WA5ZIB at the address above. A report will be returned verifying the level of accurate reception. Good luck!
/EX
SB ALL @ AMSAT $ANS-160.03
NOMINATIONS FOR AMSAT-NA BOD

HR AMSAT NEWS SERVICE BULLETIN 160.03 FROM AMSAT HQ
SILVER SPRING, MD JUNE 9, 1990
TO ALL RADIO AMATEURS BT

Nominations Period for Three Seats on AMSAT-NA BOD to Close Soon

Nominations are sought for the AMSAT Board of Directors. Directors are elected by the membership for a two-year term. Any member society or group of five members may nominate someone (a member) to run for the position.

This year there are three seats to be filled. Those directors whose seats are up for election are Phil Karn, KA9Q, Tom Clark, W3IWI, and the seat vacated by the resignation of Vern Riportella, WA2LQQ.

All nominations should be sent to AMSAT BoD Nominations, 850 Sligo Ave #600, Silver Spring, MD 20910 to arrive no later than June 15, 1990.
/EX
SB ALL @ AMSAT $ANS-160.04
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 160.04 FROM AMSAT HQ
SILVER SPRING, MD JUNE 9, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times. Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date UTC	Time	Phs	Mode	NCS	U.S. Day
15 Jun 90	0115	104	J/L	N5BF	Thursday
26 Jun 90	0115	144	B	N5BF	Monday

For information on the amateur satellite program and how you can participate, contact AMSAT-NA at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062, or contact your local AMSAT Area Coordinator.
/EX
SB ALL @ AMSAT $ANS-160.05
AO-13 TRANSPONDER SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 160.05 FROM AMSAT HQ
SILVER SPRING, MD JUNE 9, 1990
TO ALL RADIO AMATEURS BT

Transponder Schedule for AO-13 Effective 05MAY90

The present transponder schedule for AO-13 is as follows:

Mode-B : MA 000 to MA 100
Mode-JL : MA 100 to MA 125
Mode-LS : MA 125 to MA 130 (Mode S Beacon only)
Mode-S : MA 130 to MA 135
Mode-BS : MA 135 to MA 140
Mode-B : MA 140 to MA 256
Omnis : MA 220 to MA 040

The current attitude is:

BLON = 179.2 and BLAT = -2.8 for 11 Jun 90

Cross mode B and S QSOs are possible during MA 135 to 140.

AO-10's Mode-B Transponder Now Available for Use:

AMSAT-OSCAR-10 appears to be receiving sufficient solar panel illumination to support Mode-B transponder operations, therefore, the transponder is available for general use whenever AO-10 is in view at your location. Please DO NOT use the transponder if the signals are FMing. The current estimate of AO-10's attitude is LON 24 deg LAT -9 deg.

[AO-10 update received from Graham Ratcliff, VK5AGR, via AO-13 beacons.]
/EX
SB ALL @ AMSAT $ORBS-160.O
Orbital Elements 160.OSCAR

HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES
FROM N3FKV LORENA, TX JUNE 9, 1990
TO ALL RADIO AMATEURS BT

Satellite: AO-10
Catalog number: 14129
Epoch time: 90157.09033828
Element set: 527
Inclination: 25.9956 deg
RA of node: 200.7381 deg
Eccentricity: 0.5958911
Arg of perigee: 148.8920 deg
Mean anomaly: 266.8516 deg
Mean motion: 2.05881905 rev/day
Decay rate: -6.50e-07 rev/day^2
Epoch rev: 5250

Satellite: UO-11
Catalog number: 14781
Epoch time: 90156.61567397
Element set: 744
Inclination: 97.9462 deg
RA of node: 209.5469 deg
Eccentricity: 0.0011698
Arg of perigee: 287.2040 deg
Mean anomaly: 72.7880 deg

```
Mean motion:   14.65389143 rev/day
Decay rate:       8.60e-06 rev/day^2
Epoch rev:           33427

Satellite: RS-10/11
Catalog number: 18129
Epoch time:      90158.24981126
Element set:     215
Inclination:       82.9256 deg
RA of node:       335.8699 deg
Eccentricity:    0.0012672
Arg of perigee:   141.2476 deg
Mean anomaly:     218.9588 deg
Mean motion:   13.72091938 rev/day
Decay rate:       1.38e-06 rev/day^2
Epoch rev:           14808

Satellite: AO-13
Catalog number: 19216
Epoch time:      90148.23246392
Element set:     128
Inclination:       56.9522 deg
RA of node:       153.1540 deg
Eccentricity:    0.6957743
Arg of perigee:   228.0483 deg
Mean anomaly:      47.3201 deg
Mean motion:    2.09698248 rev/day
Decay rate:       1.05e-06 rev/day^2
Epoch rev:            1498

Satellite: FO-20
Catalog number: 20480
Epoch time:      90158.26403898
Element set:      77
Inclination:       99.0392 deg
RA of node:       206.6464 deg
Eccentricity:    0.0541781
Arg of perigee:    71.0355 deg
Mean anomaly:     294.8623 deg
Mean motion:   12.83156596 rev/day
Decay rate:      -7.20e-07 rev/day^2
Epoch rev:            1547
/EX
SB ALL @ AMSAT $ORBS-160.D
Orbital Elements 160.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS
FROM N3FKV LORENA, TX      JUNE 9, 1990
TO ALL RADIO AMATEURS BT

Satellite: UO-14
Catalog number: 20437
Epoch time:      90157.25043101
```

```
Element set:     161
Inclination:       98.7088 deg
RA of node:       233.4001 deg
Eccentricity:    0.0012400
Arg of perigee:   180.1294 deg
Mean anomaly:     179.9886 deg
Mean motion:   14.28624817 rev/day
Decay rate:       1.10e-06 rev/day^2
Epoch rev:            1930

Satellite: AO-16
Catalog number: 20439
Epoch time:      90158.29152781
Element set:      83
Inclination:       98.7019 deg
RA of node:       234.5188 deg
Eccentricity:    0.0011186
Arg of perigee:   180.6504 deg
Mean anomaly:     179.4668 deg
Mean motion:   14.28730423 rev/day
Decay rate:       3.82e-06 rev/day^2
Epoch rev:            1945

Satellite: DO-17
Catalog number: 20440
Epoch time:      90157.23747009
Element set:      86
Inclination:       98.7038 deg
RA of node:       233.4739 deg
Eccentricity:    0.0011196
Arg of perigee:   182.3300 deg
Mean anomaly:     177.7827 deg
Mean motion:   14.28775949 rev/day
Decay rate:       4.64e-06 rev/day^2
Epoch rev:            1930

Satellite: WO-18
Catalog number: 20441
Epoch time:      90156.24698547
Element set:      85
Inclination:       98.7040 deg
RA of node:       232.5010 deg
Eccentricity:    0.0011787
Arg of perigee:   186.8265 deg
Mean anomaly:     173.2720 deg
Mean motion:   14.28874390 rev/day
Decay rate:       4.72e-06 rev/day^2
Epoch rev:            1916

Satellite: LO-19
Catalog number: 20442
Epoch time:      90158.20120028
Element set:      86
```

```
Inclination:       98.7038 deg
RA of node:       234.4690 deg
Eccentricity:    0.0012274
Arg of perigee:   181.7350 deg
Mean anomaly:     178.3790 deg
Mean motion:   14.28941930 rev/day
Decay rate:       2.24e-06 rev/day^2
Epoch rev:            1944
/EX
SB ALL @ AMSAT $ORBS-160.M
Orbital Elements 160.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES
FROM N3FKV LORENA, TX      JUNE 9, 1990
TO ALL RADIO AMATEURS BT

Satellite: SALYUT 7
Catalog number: 13138
Epoch time:      90158.21426006
Element set:     309
Inclination:       51.6033 deg
RA of node:       354.7111 deg
Eccentricity:    0.0001640
Arg of perigee:   169.8273 deg
Mean anomaly:     190.2785 deg
Mean motion:   15.63305589 rev/day
Decay rate:     2.7475e-04 rev/day^2
Epoch rev:           46329

Satellite: MIR
Catalog number: 16609
Epoch time:      90158.23225767
Element set:     717
Inclination:       51.6143 deg
RA of node:        20.9704 deg
Eccentricity:    0.0010772
Arg of perigee:    15.9591 deg
Mean anomaly:     344.2325 deg
Mean motion:   15.60941065 rev/day
Decay rate:     2.7135e-04 rev/day^2
Epoch rev:           24654

Satellite: HUBBLE
Catalog number: 20580
Epoch time:      90157.74572456
Element set:      82
Inclination:       28.4703 deg
RA of node:       316.0141 deg
Eccentricity:    0.0005785
Arg of perigee:    20.6795 deg
Mean anomaly:     339.3984 deg
Mean motion:   14.84389289 rev/day
Decay rate:      2.439e-05 rev/day^2
```

```
Epoch rev:             642
/EX
SB ALL @ AMSAT $ORBS-160.W
Orbital Elements 160.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM N3FKV LORENA, TX      JUNE 9, 1990
TO ALL RADIO AMATEURS BT

Satellite: NOAA-9
Catalog number: 15427
Epoch time:      90156.71989706
Element set:     589
Inclination:       99.1664 deg
RA of node:       156.2832 deg
Eccentricity:    0.0016025
Arg of perigee:    44.3419 deg
Mean anomaly:     315.9035 deg
Mean motion:   14.12583291 rev/day
Decay rate:       1.63e-06 rev/day^2
Epoch rev:           28236

Satellite: NOAA-10
Catalog number: 16969
Epoch time:      90156.60881657
Element set:     438
Inclination:       98.6027 deg
RA of node:       184.8145 deg
Eccentricity:    0.0013018
Arg of perigee:   308.0247 deg
Mean anomaly:      51.9755 deg
Mean motion:   14.23626479 rev/day
Decay rate:       6.17e-06 rev/day^2
Epoch rev:           19296

Satellite: MET-2/16
Catalog number: 18312
Epoch time:      90156.46754170
Element set:     434
Inclination:       82.5505 deg
RA of node:       299.5764 deg
Eccentricity:    0.0011428
Arg of perigee:   292.9706 deg
Mean anomaly:      67.0229 deg
Mean motion:   13.83649868 rev/day
Decay rate:       2.19e-06 rev/day^2
Epoch rev:           14136

Satellite: MET-2/17
Catalog number: 18820
Epoch time:      90156.99370699
Element set:     285
Inclination:       82.5449 deg
```

```
RA of node:       359.3631 deg
Eccentricity:    0.0017422
Arg of perigee:     0.8056 deg
Mean anomaly:     359.3129 deg
Mean motion:   13.84345313 rev/day
Decay rate:       1.67e-06 rev/day^2
Epoch rev:           11863

Satellite: MET-3/2
Catalog number: 19336
Epoch time:      90157.85755550
Element set:     497
Inclination:       82.5402 deg
RA of node:       284.7291 deg
Eccentricity:    0.0018110
Arg of perigee:   344.3398 deg
Mean anomaly:      15.7102 deg
Mean motion:   13.16898493 rev/day
Decay rate:       3.92e-06 rev/day^2
Epoch rev:            8959

Satellite: NOAA-11
Catalog number: 19531
Epoch time:      90157.39337851
Element set:     288
Inclination:       98.9815 deg
RA of node:       105.6890 deg
Eccentricity:    0.0011353
Arg of perigee:   319.0808 deg
Mean anomaly:      40.9513 deg
Mean motion:   14.11614778 rev/day
Decay rate:       3.28e-06 rev/day^2
Epoch rev:            8744

Satellite: MET-2/18
Catalog number: 19851
Epoch time:      90154.64893920
Element set:     234
Inclination:       82.5236 deg
RA of node:       239.2428 deg
Eccentricity:    0.0016253
Arg of perigee:    45.5452 deg
Mean anomaly:     314.7035 deg
Mean motion:   13.83979217 rev/day
Decay rate:       2.43e-06 rev/day^2
Epoch rev:            6369

Satellite: MET-3/3
Catalog number: 20305
Epoch time:      90158.25758036
Element set:     137
Inclination:       82.5550 deg
RA of node:       224.9950 deg
```

```
Eccentricity:    0.0016118
Arg of perigee:   359.3191 deg
Mean anomaly:       0.7905 deg
Mean motion:   13.15855924 rev/day
Decay rate:       3.40e-07 rev/day^2
Epoch rev:            2964
/EX
```

From -8287584388899381739
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c1129811308768,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-10 10:37:00 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!zaphod.mps.ohio-state.edu!
sdd.hp.com!ucsd!ucbvax!BGUVMS.BITNET!RAFI
From: RAFI@BGUVMS.BITNET (Bruner Rafi)
Newsgroups: rec.ham-radio
Subject: RE: Info-Hams Digest V1 #12
Message-ID: <9006101624.AA08919@ucsd.edu>
Date: 10 Jun 90 16:23:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4
Posted: Sun Jun 10 17:23:00 1990

PLEASE DROP ME FROM THE MAILING LIST FROM PRESENT TO 7 JULY.

MANY THANKS
RAFI@BENGUS.BITNET

From -7523217521325636353
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c1129811308768
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-10 11:32:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!
ucbvax!BGUVMS.BITNET!RAFI
From: RAFI@BGUVMS.BITNET (Bruner Rafi)
Newsgroups: rec.ham-radio
Subject: RE: Info-Hams Digest V1 #12
Message-ID: <9006101624.AA08924@ucsd.edu>
Date: 10 Jun 90 16:24:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4
Posted: Sun Jun 10 17:24:00 1990

PLEASE DROP ME FROM THE INFO HAMS MAILING LIST FROM PRESENT TO
7 JULY
THANKS
RAFI@BGUVMS.BITNET

```
From 8678650459133479079
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,44a853bfb27dfb3c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-10 12:08:11 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!well!rld
From: rld@well.sf.ca.us (Rick Davis)
Newsgroups: rec.ham-radio
Subject: Re: RECEIVER
Message-ID: <18423@well.sf.ca.us>
Date: 10 Jun 90 15:53:24 GMT
References: <79e293caa7ff266fe3a4@canremote.uucp>
Lines: 23
Posted: Sun Jun 10 16:53:24 1990

greg.trice@canremote.uucp (GREG TRICE) writes:

>I'm looking for a receiver with the following specs. If they seem a
>little unusual, it's because it's not for communication, but rather used
>in connection with magnetic resonance experiments.
>  Frequency coverage 100-1000MHz (continuous, not channelized)
>  Bandwidth adjustable from 500Hz to 50kHz (can be in steps)
>  Must have bfo (signals are akin to cw transmissions)
>  Sensitivity of 0.5uV
>  Ability to withstand 1000V pulses on input without blocking or damage.
>  The receiver will operate in an environment of very high EMI including
>  huge pulsed magnetic fields.
>If nothing like this exists on the market I will design and build one,
>but I'd prefer to buy.

I can't help you myself but you might try to contact Rich Muller's group
at LBL in Berkely. About 5 years ago they were working on a mini cyclotron
to use for very precise mass spectrometry/Radioisotope dating.  They needed
a stable, wide-band frequency source and found that one of the Kenwood
transmitters would do the job better and at a fraction of the price
of a lab-grade signal generator.  Couple of his grad students ended up
getting their tickets as a result!
73 - Rick D.


From 5618118385892209350
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1ef99bd86cd7808b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-10 13:44:51 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!TECNET1.JCTE.JCS.MIL!mgb
From: mgb@TECNET1.JCTE.JCS.MIL
Newsgroups: rec.ham-radio
Subject: Field Day Logging Programs
Message-ID: <9006102018.AA00751@tecnet1.jcte.jcs.mil>
Date: 10 Jun 90 20:18:08 GMT
```

Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 29
Posted: Sun Jun 10 21:18:08 1990

att!watmath!watserv1!rnelson@ucbvax.Berkeley.EDU (Randy Nelson VE3WRN) writes:

>A new field day logging program is now available via anonymous ftp
>at ucsd.edu (128.54.16.1) in /pub/hamradio. FIELDAY.ZIP was tested by
>our club (VE3IC) last year. The author, Paul Cassel (VE3SY) has done
>an excellent job. Please try out this program and let me know what
>you think of it. I will pass on your comments to Paul.

>73 de Randy VE3WRN

I grabbed this program from ucsd.edu and it appears to be excellent! (Thanks Randy!)

This brings up an interesting question which is apt at this time of year. Does anyone know of other good field-day logging programs written for older machines such as the Apple II+ (or in my case) for some of the CP/M machines? I really hate to consider taking my mega-buck 386 to field day for logging purposes.. but the old Model-4 would be absolutely perfect! Call me old and nervous... but a generator running my computer makes me a little queasy! :-)

Anything buried in the recesses of SIMTEL or any other FTP sites?

Mark Bitterlich
wa3jpy@wb4uou
mgb@tecnet1.jcte.jcs.mil

From 5369748114812887667
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd208992aac66b0f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-10 19:52:05 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!bellcore!bellcore-2!usenet
From: usenet@bellcore-2.bellcore.com (Poster of News)
Newsgroups: rec.ham-radio
Subject: Re: TNC Simulation
Message-ID: <1990Jun10.224919.229@bellcore-2.bellcore.com>
Date: 10 Jun 90 22:49:19 GMT
References: <12183@shlump.nac.dec.com>
Reply-To: karn@thumper.bellcore.com (Phil R. Karn)
Followup-To: rec.ham-radio.packet
Organization: Bell Communications Research, Inc
Lines: 40
Posted: Sun Jun 10 23:49:19 1990

In article <12183@shlump.nac.dec.com> pompano@deaths.dec.com (Jim Pompano) writes:
>
>Is anyone aware of software that will emulate a TNC?

It depends on what you mean by "emulate a TNC". Your typical TNC can be broken into three major pieces:

1. AX.25 link level protocol and user interface software
2. HDLC frame encoding/decoding
3. 1200 bps modem

Software is definitely available to do #1; I've written it. It's part of the KA9Q "NOS" package. Although it was written primarily to support TCP/IP over amateur packet radio, it does include a full-blown AX.25 and NET/ROM implementation (the latter thanks to W9NK and SM0RGV).

However, there is no truly practical way to do #2 except in hardware, which does not come standard with your garden-variety PC clone. HDLC boards are available from several vendors (DRSI, PACCOMM, HAPN) that plug into a PC bus. In the early days of amateur packet radio there were software packages that emulated HDLC chips, but they were extremely slow, clumsy, and prone to losing or corrupting data. Don't bother with them.

As for #3, the type of modem most amateurs use (Bell 202) is so obsolete that it is now quite rare in the non-amateur world. Contemporary telephone modems do NOT support this mode of operation, so you cannot use it and be compatible with other amateur packet users. The HDLC boards I just mentioned all contain on-board 202 modems, since they are specifically designed for amateur packet radio use.

I recommend the plug-in card approach if you will always use your PC to run packet, and especially if you want to use or experiment with higher level protocols like TCP/IP. The "TNC" was designed for an erstwhile era, when everybody used dumb terminals. It makes much more sense to build packet stations around computers, not terminals.

I've redirected followups to rec.ham-radio.packet.

Phil

From -31594616031097761
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,44a853bfb27dfb3c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-10 19:55:53 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: RECEIVER
Message-ID: <9006101850.AA02291@ti.com>

Date: 10 Jun 90 18:32:38 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Sun Jun 10 19:32:38 1990

In "canremote!greg.trice", Greg Trice writes a need for a receiver with,
among other things, a

>Sensitivity of 0.5 uV
>Ability to withstand 1000V pulses on input without blocking or damage.

This sounds a lot like a receiver with a Blocking Dynamic Range of over
180dB. If such a receiver is found, Greg, let us know...and let us know
the price.

73,
Dube Todd N5PDK

From 5573946548117814622
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c587bcbe825e278,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-10 20:25:31 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!silver!charyd
From: charyd@silver.ucs.indiana.edu (david chary)
Newsgroups: rec.ham-radio
Subject: Re: USA ham call words -corrected
Message-ID: <47211@iuvax.cs.indiana.edu>
Date: 11 Jun 90 01:45:42 GMT
References: <30500570@ux1.cso.uiuc.edu>
Sender: root@iuvax.cs.indiana.edu
Lines: 31
Posted: Mon Jun 11 02:45:42 1990

In article <30500570@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>
>The previous posting of usa ham call words was incorrect. The following is
>the corrected list. Note that capitalized words are proper names. Fully

.
.
.

>--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society

In this age of "turtle madness" n1nja (unassigned) would be a good
'1'. :)

Some interesting letters I learned from a calculator game book:

6,9: G , 2: Z, 4 (as most people write it) Y or A

In the Russian alphabet, 3 is the character for 'Z' and would
also make for a good 'E robatne' (sp?)

When the FCC runs out of N's for Regions 4 and 6, where will they go
next? If they go to NA4AAA, think of what will happen when NA1's
are finally assigned!

Who got lucky on VHF Friday night? :)

David Chary
(charyd@jade.ucs.indiana.edu)
N9JRV

From -2088452551710491034
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f92aac733dcffee6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-10 20:26:16 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Re: EBS Recordings, etc.
Message-ID: <98633@philabs.Philips.Com>
Date: 11 Jun 90 00:28:41 GMT
References: <9006071242.AA21383@decpa.pa.dec.com> <615@compnect.UUCP>
Sender: news@philabs.Philips.Com
Reply-To: rfc@briar.philips.com.UUCP (Robert Casey)
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 7
Posted: Mon Jun 11 01:28:41 1990

Back in my college days, at Steven's Tech (which I soon left, and went
to and graduated from Syracuse U, a *real* college), someone at the
college radio station WCPR (carrier current) found a joke version of
the EBS test on some comedy album, and put it on cart. Later on, one
of the jocks played it on the air! Instead of the dual freq tone, there was
the sound of a flute. Good thing that we were not a *real* radio station
broadcasting over real air.

From -7798978476952589770
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c587bcbe825e278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-10 20:27:08 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: USA ham call words -corrected

Message-ID: <30500570@ux1.cso.uiuc.edu>
Date: 10 Jun 90 21:31:00 GMT
Lines: 60
Nf-ID: #N:ux1.cso.uiuc.edu:30500570:000:3438
Nf-From: ux1.cso.uiuc.edu!phil   Jun 10 16:31:00 1990
Posted: Sun Jun 10 22:31:00 1990

The previous posting of usa ham call words was incorrect. The following is the corrected list. Note that capitalized words are proper names. Fully upper case words are acronyms. Quite many of these have never been assigned by the FCC, so this may further encourage you to get the FCC to allow us to request vanity callsigns. DO NOT use any of these words for passwords, as they were derived from /usr/dict/words which also means some proper names are not capitalized.

```
ab8as    Al8any  Ke1ler  kn0ll   n1ce n0ok wa1rus  wh0le w1ndy
     w0nt
ab8e al8eit  Ke1ley  kn0t    n1che    no0k Wa1sh    wh0'll  w1ne
     w0o
ab8ey    Al8ert  ke1ly Kn0tt    n1ck n0on Wa1t wh0lly  w1ng
     w0od
ab8ot    al8um    ke1p kn0tty  n1ece noOn Wa1ter  wh0m  w1nk
     wo0d
Ab8ott  al1a  Ke1sey  kn0w  N1ger    n0ose    Wa1ton  wh0op
     w1no wo0den
ab1de    al1as    Ke1vin  kn0wn n1gh no0se    wa1tz    wh0osh  w1ny
     W0ods
ab1ate  al1bi ki8itz  Kn0x  n1ght    n0r  wa5h wh0p w1pe Wo0ds
ab1aze  Al1ce k1ck k0ala    N1H  n0rm wa5hy    wh0re    w1re
     w0ody
ab1e Al1cia  k1d   K0ch N1kko    N0rma    wa5n't  wh0se w1ry
     wo0dy
ab0ard  al1en K1dde    k0dak    n1l  n0rth    wa5p w1ck wi5dom  w0ol
ab0de    al1ght  K1ev  k0la N1le n0se wa5t w1de w1se wo0l
ab0rt    al1gn    k1ll ko1a Ni1e no5e wa5te    w1den    wi5e
     wo0len
ab0und  al1ke ki1l k0mbu    N1MH n0t  We8b w1dow    w1sh w0p
ab0ut    Al1son  ki1ohm  K0ng   N1na n0tch    we8er    w1dth
     wi5h w0rd
ab0ve    al1ve    K1m  K0ran    n1ne n0te we1gh    w1eld
     w1shy    w0rdy
ab5ent  Al1ah k1n  K0rea    n1nth    n0un we1ght  W1er  wi5hy
     w0re
ab5orb  al1ay k1nd ko5her  N1obe N0v  we1r w1fe w1sp w0rk
ab5urd  al1ege  k1ng   ku1ak    Ni0be    n0va we1rd    w1g
     wi5p w0rld
ac1d al1ele  k1nk  Ky1e n1p  N0vak    We1ss    Wi1bur  w1spy
     w0rm
ac1dic  Al1en k1nky    Ky0to    n1t  n0vel    We1ch    Wi1cox  wi5py
     w0rmy
ac0rn    al1ey    k1osk    na1ad    n1tty    n0vo we1d w1ld
     w1t  w0rn
```

```
ad1eu    al1ied  ki0sk na1l N1xon    n0w  We1don  wi1d  w1tch
     w0rry
ad1pic  Al1is K1owa    Na1r N0AA N5F  we1l w1le w1th w0rse
Ad1er    al1ot    Ki0wa    na1ve    N0ah NT1S We1ler  wi1e
     w1the    w0rst
ad0be    al1ow    K1rby    Na0mi    n0b  Nu8ia    We1les  W1ley
     w1thy    w0rth
Ad0lph  al1oy k1rk NA5A N0bel    nu8ile  We1ls Wi1ey    W1tt
     W0tan
Ad0nis  al1ude  K1rov  na5al    No8el    nu1l we1sh    wi1ful  w1tty
     w0uld
ad0pt    al1ure  k1ss  Na5h n0ble    ny1on    we1t Wi1kes  w1ve
     w0und
ad0re    al1y ki5s Na5hua  no8le Wa8ash  We5ley  w1ll    wo8ble  w0ve
ad0rn    al1yl    k1t  Na5sau  no8ody  wa1l    we5t wi1l w0e
     w0ven
ad5orb  Al1yn k1te na5ty    n0d  wa1st    We5ton  W1lla w0k
     w0w
Ae0lus  al0e  k1tty    N8C  n0dal    wa1t wh1ch    Wi1la
     w0ke wr1ght
af1eld  al0ft k1va N8S  n0de Wa1te    wh1ff    Wi1lie  w0ld
     wr1ng
af1re    al0ha    k1vu ne8ula  N0el  wa1ve    wh1g Wi1lis  wo1d
     wr1st
af1ame  al0ne K1an Ne1l n0ise    Wa1den  wh1le wi1low  w0lf
     wr1t
af1oat  al0ng K1aus    Ne1l no1se    Wa1do    wh1m W1lls
     wo1f wr1te
af0ot    al0of    K1ein    Ne1lie  n0isy wa1e wh1ne    Wi1ls
     W0lfe    wr1the
ag1le    al0ud    K1ine    Ne1sen  no1sy wa1k wh1nny  W1lma
     Wo1fe    wr0ng
ag1ng    al5o Kl1ne    Ne1son  N0lan wa1kie  wh1p  Wi1ma
     W0lff    wr0te
ag1eam  Al5op K1ux ne0n No1an    wa1l wh1r Wi1son  Wo1ff Wy1ie
ag0ne    Ka8uki  kn1ck Ne5s N0ll Wa1ler  wh1rl w1lt w0lve
ag0ny    Ka8ul    kn1fe    ne5t No1l wa1let  wh1sk wi1t wo1ve
ag0uti  ka1ser  kn1ght  ne5tle  n0lo  Wa1lis  wh1t  w1ly w0man
ah0y ka1e kn1t Ne5tor  no1o  wa1lop  wh1te wi1y w0mb
ai1e ka1mia  kn1ves  n1b    n0n  wa1low  wh1ten  w1n    w0men
ai5le    Ka1muk  kn0b  ni8ble  n0nce Wa1ls    wh1z w1nce
     w0n
ak1n ka0lin  kn0bby  n1bs    n0ne wa1ly    wh0a w1nch    W0ng
al8a Ke1th    kn0ck    ni8s no0dle  wa1nut  wh0'd  w1nd w0n't
```

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -5626816295946003838
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0ecc39eae35a895
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-06-10 20:29:45 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!CONSRT.ROK.COM!postmstr"%mrgate."ssxmb.decnet
From: postmstr%mrgate.ssxmb.decnet@CONSRT.ROK.COM ("MRGATE::"SSXMB::POSTMSTR"")
Newsgroups: rec.ham-radio
Subject: Delivery Failure Report
Message-ID: <9006110232.AA25583@ucsd.edu>
Date: 11 Jun 90 03:33:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Mon Jun 11 04:33:00 1990

From: POSTMSTR @SSXMB
To: MRREMNET @MRGATE
     WINS%"INFO-HAMS @UCSD.EDU" @CONSRT @MRGATE

Author:
Sender: WINS%"INFO-HAMS @UCSD.EDU"@CONSRT@MRGATE@CONSRT
Subject: Info-Hams Digest V1 #18
Message Class:

Recipients:

BCCROWE@DALMAC

Unable to deliver mail from Sender name WINS%"INFO-HAMS@UCSD.EDU"@CONSRT@MRGATE@CONSRT.
Please contact your Soft-Switch Administrator to register this user in the Name Translate Directory.

From -544322898447542846
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,862d1a9c08ac684
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-10 20:54:21 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Re: USA ham call words
Message-ID: <98632@philabs.Philips.Com>
Date: 11 Jun 90 00:13:18 GMT
References: <30500568@ux1.cso.uiuc.edu> <30500569@ux1.cso.uiuc.edu>
Sender: news@philabs.Philips.Com
Reply-To: rfc@briar.philips.com.UUCP (Robert Casey)
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 2
Posted: Mon Jun 11 01:13:18 1990

Ah! You missed W1SE!

73 de WA2ISE

From -7931366082314028000
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f92aac733dcffee6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-10 21:49:26 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!ames!ncar!umigw!mthvax!wb8foz
From: wb8foz@mthvax.cs.miami.edu (David Lesher)
Newsgroups: rec.ham-radio
Subject: Re: EBS Recordings, etc.
Message-ID: <1990Jun10.140218.14882@mthvax.cs.miami.edu>
Date: 10 Jun 90 14:02:18 GMT
References: <9006071242.AA21383@decpa.pa.dec.com> <615@compnect.UUCP>
Reply-To: wb8foz@mthvax.cs.miami.edu (David Lesher)
Organization: NRK Clinic for habitual NetNews abusers
Lines: 15
Posted: Sun Jun 10 15:02:18 1990

{re: carts machines @ some stations}

It may be hard to believe, but there are stations with no cart machines. WFMT in Chicago comes to mind. NO recorded commercials allowed--the announcer read it, or you didn't hear it. Just imagine, no blabber music at all. No SAVE SAVE SAVE at Ed's Edsel of Edgewood.

Sure wish the rest of the world got WFMT.

```
--
A host is a host from coast to coast.....wb8foz@mthvax.cs.miami.edu
& no one will talk to a host that's close............(305) 255-RTFM
Unless the host (that isn't close).......................pob 570-335
is busy, hung or dead....................................33257-0335
```

From -2597273558208105377
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d56b559618997f08
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-11 00:29:44 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!att!cbnewsk!wheatley
From: wheatley@cbnewsk.att.com (steven.m.wheatley)
Newsgroups: rec.ham-radio
Subject: Re: IRC prices
Message-ID: <1990Jun11.050112.20383@cbnewsk.att.com>
Date: 11 Jun 90 05:01:12 GMT
References: <1832533@MTS.RPI.EDU> <1990May31.033156.12240@cbnewsk.att.com>
<37516@genrad.UUCP>
Organization: AT&T Bell Laboratories
Lines: 15
Posted: Mon Jun 11 06:01:12 1990

In article <37516@genrad.UUCP>, dls@genrad.com (Diana L. Syriac) writes:
> In article <1990May31.033156.12240@cbnewsk.att.com> wheatley@cbnewsk.att.com
(steven.m.wheatley) writes:
> >
> ....I just asked our post office....they told me they cost 90 cents. Wouldn't
> they cost the same at ALL US post offices????? I'm confused....
> ps, no, I've not had the occasion to use any yet....but I do have 8 of them
> at the moment.

Diane, they may be 90 cents now, but that would be a price
decrease. I have some postmarked april 90 that are definitely 95
cents. Don't know whats going on....!
--
Steven Wheatley   AT&T Consumer Products   (317) 845-3927

....!att!inuxz!wheatley

From -5252265866866514142
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c587bcbe825e278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-11 01:08:52 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!wuarchive!brutus.cs.uiuc.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: USA ham call words -corrected
Message-ID: <30500571@ux1.cso.uiuc.edu>
Date: 11 Jun 90 04:46:00 GMT
References: <30500570@ux1.cso.uiuc.edu>
Lines: 13
Nf-ID: #R:ux1.cso.uiuc.edu:30500570:ux1.cso.uiuc.edu:30500571:000:581
Nf-From: ux1.cso.uiuc.edu!phil   Jun 10 23:46:00 1990
Posted: Mon Jun 11 05:46:00 1990

> When the FCC runs out of N's for Regions 4 and 6, where will they go
> next? If they go to NA4AAA, think of what will happen when NA1's
> are finally assigned!

This would be logical, but from rumors, perhaps the FCC won't do this.
I've heard they intend to just let Tech's and General's be stuck with
the novice calls out of the KC4AAA and KC6AAA and beyond groups.

They might be holding the NA1AAA group for Communicator.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 3146846299780471690

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc76877587532e2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-11 05:44:16 PST
Path: gmdzi!unido!mcsun!uunet!nems!ark1!uakari.primate.wisc.edu!samsung!
cs.utexas.edu!mailrus!cornell!uw-beaver!zephyr.ens.tek.com!tektronix!sequent!dale
From: dale@sequent.UUCP (Dale Mosby)
Newsgroups: rec.ham-radio
Subject: Question about used 2 M equipment
Message-ID: <36508@sequent.UUCP>
Date: 11 Jun 90 04:38:24 GMT
Reply-To: dale@sequent.UUCP (Dale Mosby)
Organization: Sequent Computer Systems, Inc
Lines: 25
Posted: Mon Jun 11 05:38:24 1990

I am interested in purchasing some used 2 Meter equipment
and wondered what I would expect to pay for 2M mobile equipment.
I know of an ICOM unit for $195, however it does not have
a touch tone microphone (TTM) which I want. I'm told it has
a standard 8 pin connection, and would accept other ICOM TTM's.
A catalog I have shows a couple close to $60, so the rig would
come out about $255. Is this a reasonable price for a 4 to 5
year old 45 watt 2M rig?

Note to hams in the Portland/Salem Or. area: Can anyone tell
me the name of the person that runs the Saturday morning swap
from 9 to 11 on 147.020? I believe his name is Doug and lives
in Salem. I evidently copied his call incorrectly and lookup
was for the wrong person. I've got a borrowed hand held, but
until license shows up (another 5 weeks or so) I can't give him
a call on the radio so would like to phone him. E-mail direct
to me if you know his name or call.

```
--
   { uunet pur-ee tektronix sun ogcvax cs.utexas.edu } !sequent!dale
   Dale Mosby   503-626-5700   // Sequent Computer Systems, Inc.
   15450 SW Koll Parkway       // Beaverton, Or.  97006-6063
```

From -4529996866311507853
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae01357bb52d458c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,ae01357bb52d458c,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-06-11 05:46:15 PST
Path: gmdzi!unido!mcsun!uunet!samsung!think!snorkelwacker!bu.edu!xylogics!
transfer!lectroid!jjmhome!zinn!ubbs-nh!noel
From: noel@ubbs-nh.MV.COM (N. Del More)

Newsgroups: rec.ham-radio.packet,rec.ham-radio
Subject: KA9Q TCP/IP Xenix Sources Wanted
Message-ID: <4389@ubbs-nh.MV.COM>
Date: 10 Jun 90 16:28:13 GMT
Followup-To: poster
Organization: Business Integration & Office Systems - Nashua, NH
Lines: 14
Xref: gmdzi rec.ham-radio.packet:2346 rec.ham-radio:12099
Posted: Sun Jun 10 17:28:13 1990

I, and several others, are searching for TCP/IP sources which have been ported to SCO Xenix.

Sources, assistance and/or leads most appreciated.

Thanks!

Noel
KC1RB

```
--
Noel B. Del More            |                             decvax!ubbs-nh!noel
17 Meredith Drive           |                             noel@ubbs-nh.mv.com
Nashua, New Hampshire  03063 | It's unix me son!  `taint spozed tah make cents
```

From -7067459384447332859
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bdf0245a70728988,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-11 05:53:06 PST
Path: gmdzi!unido!mcsun!uunet!samsung!think!mintaka!mit-eddie!bu.edu!xylogics!transfer!lectroid!jjmhome!zinn!ubbs-nh!noel
From: noel@ubbs-nh.MV.COM (N. Del More)
Newsgroups: rec.ham-radio
Subject: Unix/Xenix Logging Program Wanted
Message-ID: <4391@ubbs-nh.MV.COM>
Date: 10 Jun 90 16:46:04 GMT
Organization: Business Integration & Office Systems - Nashua, NH
Lines: 18
Posted: Sun Jun 10 17:46:04 1990

Not being a programmer is sometimes a real drag...

I'd like to find the sources for a logging program written for Unix or Xenix, or a DOS version written in C which has possibilites of being ported.

I'd even be willing to purchase such an animal if it were available.

Any help, sources, binaries, leads or other info greatly appreciated.

Thanks!

Noel
KC1RB
--
```
Noel B. Del More            |                              decvax!ubbs-nh!noel
17 Meredith Drive           |                              noel@ubbs-nh.mv.com
Nashua, New Hampshire  03063 | It's unix me son!  `taint spozed tah make cents
```

From 8186246022165078172
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7844f5e9c201b54f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-11 06:18:03 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!SACEMNET.AF.MIL!
lwrclmr
From: lwrclmr@SACEMNET.AF.MIL ("LWRCLMR")
Newsgroups: rec.ham-radio
Subject: QSLing
Message-ID: <9006111248.AA22930@ucsd.edu>
Date: 11 Jun 90 12:46:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 40
Posted: Mon Jun 11 13:46:00 1990

Ref QSL INbound bureaus.

I never knew exactly how to use a QSL bureau either. After many years of hamming, the DX bug bit when I was on an island in the Pacific and I could work lot's of DX without pileups, what fun!

Anyhow, I started getting DX cards and asked a local ham (the only other one on the island) about DX cards. He received about a shoebox full every couple of weeks, but he was a little more ambitious than I. He said he just sent the bureau a check and they sent him his cards and let him know when the money ran out. Sounded good to me. Not knowing the going rates for this service I sent a letter to the Willamette Valley DX Club (W7 bureau per the CallBook) along with a check for $20.00. They did not hesitate to cash my check, but I never heard from them again. When I left the island a few months later and moved to Michigan, I sent them a change of address and waited for cards. I had been told by someone that cards can take a long time, so I waited patiently. During that year on the island I had worked around 1500 DX stations and sent cards to the foriegn bureaus for most of them. After a year, I figured I had waited long enough and wrote another letter asking what the deal was. I received a package of about 30 cards several months later and a note saying my funds were more than adequate. That all was three years ago. I have not received anymore cards, notes, messages, nothing.

Has anyone else had experience with the Willamette Valley DX Club? Is this standard practice? Is $20.00 the going fee for one-time pack of 30 cards? Do they ever explain what their policy is or their rates?

Before thirty-seven of you refer me to back issues of QST, please no flames, but I like many other hams, am not a member of the League, and none of the local libraries carry QST, nor is it available on the newsstands.

How about it. Any members of the WVDXC out there to answer up? Anyone willing to post how bureaus are supposed to work? (Not just post references to read that we don't have access to?)

Thanks and 73,
Michael WA7SKG

From 7555278886624172822
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d56b559618997f08
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-11 06:19:01 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!husc6!m2c!umvlsi!umaecs!lkay
From: lkay@ecs.umass.edu (Leonard Kay, KB2R (UMass/Amherst))
Newsgroups: rec.ham-radio
Subject: Re: IRC prices
Message-ID: <10038.2672b00b@ecs.umass.edu>
Date: 10 Jun 90 20:39:39 GMT
References: <1832533@MTS.RPI.EDU> <1990May31.033156.12240@cbnewsk.att.com> <37516@genrad.UUCP> <1702@apctrc.UUCP>
Lines: 27
Posted: Sun Jun 10 21:39:39 1990

In article <1702@apctrc.UUCP>, zslf0a@gpss5 (Steven L. Farmer) writes:

> residents to have foreign currency. To be on the safe side, I check the
> 'Greenstamp Guide' published by DX QSL Associates first. It lists countries
> where greenstamps are ok. DX QSL Associates also sells 'European' airmail
> envelopes and foreign stamps. The prices seem a little high, but you don't
> need a big supply of either. I've been having very good returns on Soviet

This posting is good advice. I usually use greenstamps, but even where they're OK (which is most places) you always run the risk of the local P.O. workers filching the money. Thus foreign airmail stamps do help sometimes. I get mine from William Plum, 12 Glenn Road, Flemington, NJ 08822. An SASE will bring a price list. Generally the stamps will run you $1-$1.50 so it's reasonably priced against a greenstamp. And I agree with the above - the return is on average quicker.

P.S. - My PO charges 95c for IRCs also. You gotta watch the USPS employees, though - a lot of them don't know what they are, and even more don't know which side *they* stamp it on (if it's stamped on the wrong side it's invalid)!

Len

```
----------------------------------------------------------------------------
Leonard Kay, KB2R  UMass/Amherst      |  "It's always darkest just
(413)545-4762      lkay@ecs.umass.edu |    before it's totally black"
----------------------------------------------------------------------------
```

From -174948524319569862
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eda307ef0622b7f7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-11 09:24:16 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!sdd.hp.com!hplabs!hpda!hpcupt1!hprnd!billt
From: billt@hprnd.HP.COM (Bill Thomas)
Newsgroups: rec.ham-radio
Subject: Re: Phone line low voltage and poor audio problem
Message-ID: <1140034@hprnd.HP.COM>
Date: 11 Jun 90 16:24:16 GMT
References: <3043@crash.cts.com>
Organization: HP Roseville Networks Division
Lines: 21
Posted: Mon Jun 11 17:24:16 1990

At my home there is an interface box between the Pac Bell line and my house wiring. Inside the box there is a standard phone connector which connects the output of the box to the house wiring. On the Pac Bell side of this box the line voltage is 48 volts. On the house side the voltage is 20 Volts.

All of my phones work fine with this Voltage.

I called Pac Bell about the low voltage in the house before I discovered the box was cutting the voltage in half. The technician I talked to was quite surprised that the voltage was anything other than 48 Volts.

Since you are doing something which is interesting, I suggest you try to identify the person who tried to follow up on what he did for you and establish a friendly relationship, like you were trying to get him interested enough in amateur radio to get a license. Such inside help should go a long was towards getting your problem fixed and make getting future help from the phone company a lot easier.

Good luck,
Bill
WB0ALN

From -8938952802429028300
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,459adaf9adc7105b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-11 09:42:42 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!

XEROX.COM!"hugh_davies.WGC1RX"
From: "hugh_davies.WGC1RX"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Re: CB in GB
Message-ID: <900611-084950-8056@Xerox>
Date: 11 Jun 90 15:46:55 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 36
Posted: Mon Jun 11 16:46:55 1990

In V1 #15, <usc!snorkelwacker!mintaka!ogicse!littlei!foobar!jim@ucsd.edu>
(aargh!) asks;

<...The seller said it was a CB radio from England. Is this correct?...>

I doubt it. It sounds like it might have been a UK spec machine once upon a time, and someone has hacked it. Currently, the UK has two allocations at 27MHz. One starts at 27.60125MHz, and runs up in forty 10kHz channels to 27.90125MHz. The channels are numbered sequentially from the bottom. The other allocation, which is the CEPT European allocation, is the same as the FCC allocations (complete with that curious hop, skip & a jump). Both allocations are allowed 4 watts of FM from type-approved equipment into restricted aerials (basically, no beams). The UK allocation will be withdrawn at some point in the future, leaving the CEPT one, although no-one will pay any attention, after all, there are 500,000 rigs out there. There also used to be another 40 channels at 934MHz, but I believe this has been withdrawn to make room for cellular phones. The conversation's no more intelligent, but everybody involved makes more money.

<...Besides
the wider band coverage, the FM aspect intrigues me. I wish it was this way in the U.S. Instead of all the heterodynes, imagine how peaceful a "silent pileup" might be...>

Hah! In urban areas with 500 other people on the same freq as you, you can forget capture effect, especially since half a dozen of them will be running 400 watts into big aerials (why, Ghod only knows). And you still get heterodynes.

I just wish we could keep them out of 10 meters, since the UK CB allocation finishes just below the CW segment of 10. There are enough people who can hack the PLLs to give them access to all these "silent" (they can't hear the CW, and don't care anyway) channels. Sigh.

73, Hugh.
G0CNR.

From 4062027133229919942
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c587bcbe825e278
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-06-11 09:57:24 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ukma!andreap
From: andreap@ms.uky.edu (Andrea Peach)
Newsgroups: rec.ham-radio
Subject: Re: USA ham call words -corrected
Message-ID: <andreap.645119532@s.ms.uky.edu>
Date: 11 Jun 90 15:52:12 GMT
References: <30500570@ux1.cso.uiuc.edu> <30500571@ux1.cso.uiuc.edu>
Organization: U of Ky, Math. Sciences, Lexington KY
Lines: 23
Posted: Mon Jun 11 16:52:12 1990

phil@ux1.cso.uiuc.edu writes:

>> When the FCC runs out of N's for Regions 4 and 6, where will they go
>> next? If they go to NA4AAA, think of what will happen when NA1's
>> are finally assigned!

>This would be logical, but from rumors, perhaps the FCC won't do this.
>I've heard they intend to just let Tech's and General's be stuck with
>the novice calls out of the KC4AAA and KC6AAA and beyond groups.

>They might be holding the NA1AAA group for Communicator.

I am at work and don't have a CFR handy but I believe the reason the FCC will not continue the N series is due to a conflict with another service; the navy.

Part of A, all of W & K & N are assigned to the USA by the ITU. The USA has in turn broken down what services can use which letters and in what combinations. So, a 2x1 N call is not just arbitrary, it has been designated for use by the amateur radio service.

Harold Peach, N4FLZ

From -6347706186187363799
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b996e5b09ab18b3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-11 10:00:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!usc!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpfcso!hplisa!hplvli!chris
From: chris@hplvli.HP.COM (Chris Kelly)
Newsgroups: rec.ham-radio
Subject: Re: Dual-banders
Message-ID: <20200001@hplvli.HP.COM>
Date: 11 Jun 90 17:00:00 GMT
References: <8105@b11.ingr.com>
Organization: Loveland Inst. Div
Lines: 6
Posted: Mon Jun 11 18:00:00 1990

You act too fast in eliminating the TM-701A, which does
indeed have separate antenna jacks for VHF and UHF.
With the readily available mods, it is a fine
unit for consideration of your needs.
73 de WD5IBS.........chris

From 3191885071710719068
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55421db7ca9ec78b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-11 10:16:21 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!uakari.primate.wisc.edu!
sdd.hp.com!hplabs!hpfcso!hplisa!hplvli!chris
From: chris@hplvli.HP.COM (Chris Kelly)
Newsgroups: rec.ham-radio
Subject: Re: RE: EBS MESSAGES
Message-ID: <20200002@hplvli.HP.COM>
Date: 11 Jun 90 17:16:21 GMT
References: <9006041832.AA27821@ti.com>
Organization: Loveland Inst. Div
Lines: 31
Posted: Mon Jun 11 18:16:21 1990

Indeed the real message was sent back in the early
1970's. I was a poor university student working at
KOB radio in Albuquerque at the time, and though it
did not occur on my shift, I recall the incident
clearly. I believe that it was a Saturday morning,
and the message came over the AP and/or UPI wires
to the news teletypes. These emergency messages had
a certain format (10 bells in a row?) that set off an
alarm on the newsdesk. The skeleton staff on duty
at most stations did not event notice the alarms and
messages, or else ignored them. The message contains
an authentication code, which is to be compared with
the daily codes in a sealed envelope sent to every
participating station. If no occasion exists to cause
you to open the envelope (alert) then it must be
returned, unopened, to the coordinating agency.
Each envelope had code words for 1 or more months.

Some stations, fairly consciencious about their duties,
did see and act on the message right away, and alerted
their listeners. The rate of response was dismal, something
like 1% of all stations noticed and acted on the alert.

It has often been speculated that the "accidental"
sending of the real codes was itself a test, which
indicated that in the event of a real emergency,
you would not have been instructed about anything,

and the first warning most americans would have would
be the flash.

...de WD5IBS....chris

From -1146587197206516075
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0ecc39eae35a895
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-11 11:17:36 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!ncar!umigw!mthvax!wb8foz
From: wb8foz@mthvax.cs.miami.edu (David Lesher)
Newsgroups: rec.ham-radio
Subject: Re: Delivery Failure Report
Message-ID: <1990Jun11.160339.24910@mthvax.cs.miami.edu>
Date: 11 Jun 90 16:03:39 GMT
References: <9006110232.AA25583@ucsd.edu>
Reply-To: wb8foz@mthvax.cs.miami.edu (David Lesher)
Organization: NRK Clinic for habitual NetNews abusers
Lines: 29
Posted: Mon Jun 11 17:03:39 1990

In <9006110232.AA25583@ucsd.edu> postmstr%mrgate.ssxmb.decnet@CONSRT.ROK.COM
("MRGATE::"SSXMB::POSTMSTR"") writes:

>From: POSTMSTR @SSXMB
>To: MRREMNET @MRGATE
>   WINS%"INFO-HAMS @UCSD.EDU" @CONSRT @MRGATE

>   Author:
>   Sender: WINS%"INFO-HAMS @UCSD.EDU"@CONSRT@MRGATE@CONSRT
>   Subject: Info-Hams Digest V1 #18
>   Message Class:

>   Recipients:

>   BCCROWE@DALMAC

>Unable to deliver mail from Sender name WINS%"INFO-HAMS@UCSD.EDU"@CONSRT@MRGATE@CONSRT.
>Please contact your Soft-Switch Administrator to register this user in the Name Translate Directory.

These are starting to be a pain...
Is anyone going to find the offender and woff-hong him/her/it ?

--
A host is a host from coast to coast.....wb8foz@mthvax.cs.miami.edu
& no one will talk to a host that's close............(305) 255-RTFM

Unless the host (that isn't close)......................pob 570-335
is busy, hung or dead....................................33257-0335

From 4525831916920089171
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11256b6768b48f14,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-11 11:22:48 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!cs.cciw.ca!U009
From: U009@cs.cciw.ca
Newsgroups: rec.ham-radio
Subject: Gamma Match Problems
Message-ID: <5A060B0B0B1B0007-MTACY830*U009@cs.cciw.ca>
Date: 11 Jun 90 16:12:13 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 54
Posted: Mon Jun 11 17:12:13 1990

Hello net:
I have a problem trying to build a Gamma match for the driven element of a portable, knock down 2M beam.

I put together a 5 element, .8 wavelength NBS yagi as per the book (using 3/16 inch insulated elements). The frequency the antenna is designed for is 144.1 and since I want to use it on 144.2 I figure the errors aren't enough to require scaling.

The problem is in the matching of the driven element. I can't get the match down as far as I would like. (A similar driven element for 2M I built some time ago has a very good match although the construction is not exactly the same.)

```
------------+------------------------|---------------- < Driven element
            |                     ---|--------------------
            |       --------------   ^ shorting block.  ^match rod
            +-------        ^ Matching rod.              extends beyond
            ^     ^ Capacitor.                           driven element.
            Coax connector.
```

(The match rod bends evenly up from the cap to the shorting block.)

The shield of the coax and it's connector is connected to the center of the driven element (inside the boom, actually). The capacitor in the center conductor is formed by a piece of 3/16 inch brass tubing about 3 inches long and a 3/32 inch rod insulated with shrink wrap inside it. The rod then extends out to the shorting block where it connects to the driven element. The capacitor is parallel to the DE and approximately 1 inch away at the center but the rod bends in to about 1/2 inch separation at the shorting block. I find that the only acceptable match occurs when the rod is actually longer than the DE. There is about 8 to 10 inches of rod beyond the shorting bar in this case, and trimming it

back increases the reflected power substantially. (I also had a similar problem with the match on the DEs of some K1FO 432 yagis I built a few years ago. They used a 1/2 wavelength delay to feed the T match and the match rods had to be 1/2 inch longer than the DE on both sides to get an acceptable match.)
I haven't been able to find any design "rules of thumb" for any type gamma or T match. What sort of spacing is reasonable between the match rod and the element? (The single driven element referred to above has about 1/4 inch spacing and a reasonable location for the shorting bridge. Also, the match rod is cut off just beyond the bridge.) Should I try to decrease the spacing? Should the rod be closer in diameter to that of the DE? Is this effect a characteristic of the DE being too short or long for correct resonance? The elements are all supposed to be insulated. Would this effect occur if the outer conductor were shorted to the boom at the center if the DE?

Regards, Stu Beal, VE3MWM, (U009@CS.CCIW.CA),
National Water Research Institute,
Burlington, Ontario, Canada.

The future lies ahead. And behind us lies, lies... lies.

From -4234956067720683503
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7e08ac11a3238c8f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-11 13:18:51 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!sun-barr!newstop!sun!amdahl!twg.com!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: ZA5DX/CW
Message-ID: <7278@gollum.twg.com>
Date: 11 Jun 90 16:22:13 GMT
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 26
Posted: Mon Jun 11 17:22:13 1990

This past Sunday (June 10) I had a qso with a person using the call ZA5DX. Normally, I'd write this off as a slim, but there are several things that give it a faint note of credibility:

- There was an article in last week's "DX Bulletin" that Zoli, HA?PP, is now in Tirana trying to get permission to operate as a ZA;
- Zoli (aka XU?DX, XU?CW, etc.) usually gets the calls ending in "DX" (for SSB) and "CW" (for CW);
- The ZA5DX I contacted gave Zoli's call, HA?PP, as the QSL route.
- The guy was experienced at working pile-up's, and seemed to have the same style as Zoli.

On the other hand, there were some slim indicators:

- This was a CW contact, and he was using the "DX" suffix;
- Later in the day I picked him up using the call ZA5CW--on CW;
- He got some modest pile-up's going, but nothing like I would expect a real ZA would generate;
- While the signal was coming from the right beam heading, it was a little too strong for the high A index we had, and I didn't hear many other Europeans quite so strong;
- He kept taking too many breaks, but he was on for quite a few hours.

Does anybody have any more information on this one? I surely would like to believe it's for real, but I'm already well on the way to "worked all pirates" and would just as soon note add a new one to my collection. Did anybody else pick him up?

AA6KX

```
From -1102818069659525777
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c587bcbe825e278
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-11 13:19:50 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ukma!andreap
From: andreap@ms.uky.edu (Stephen McNatton)
Newsgroups: rec.ham-radio
Subject: Re: USA ham call words -corrected
Message-ID: <andreap.645128686@s.ms.uky.edu>
Date: 11 Jun 90 18:24:46 GMT
References: <30500570@ux1.cso.uiuc.edu> <30500571@ux1.cso.uiuc.edu>
<andreap.645119532@s.ms.uky.edu>
Organization: U of Ky, Math. Sciences, Lexington KY
Lines: 128
Posted: Mon Jun 11 19:24:46 1990
```

andreap@ms.uky.edu (Andrea Peach) writes:

>phil@ux1.cso.uiuc.edu writes:

>>> When the FCC runs out of N's for Regions 4 and 6, where will they go
>>> next? If they go to NA4AAA, think of what will happen when NA1's
>>> are finally assigned!

>>This would be logical, but from rumors, perhaps the FCC won't do this.
>>I've heard they intend to just let Tech's and General's be stuck with
>>the novice calls out of the KC4AAA and KC6AAA and beyond groups.

>>They might be holding the NA1AAA group for Communicator.

>I am at work and don't have a CFR handy but I believe the reason the
>FCC will not continue the N series is due to a conflict with another
>service; the navy.

>Part of A, all of W & K & N are assigned to the USA by the ITU. The

>USA has in turn broken down what services can use which letters and
>in what combinations. So, a 2x1 N call is not just arbitrary, it has
>been designated for use by the amateur radio service.

Here is the the US assignments for each service. I was mistaken!
The other N calls are assigned to the amateur service as long as
they contain a number:

From	To	Service
AA0A	AI9W	Amateur
AA0AA	AL9WZ	Amateur
AA0AAA	AL9WZZ	Amateur
AA0Y	AI9Z	Amateur
AA0YA	AL9ZZ	Amateur
AA0YAA	AL9ZZZ	Amateur
AAA	AEZ	Department of the Army
AFA	AKZ	Department of the Air Force
ALA	ALZ	Department of the Army
K0001	K9999	Personal radio in trust territories
K02AA	K83ZZ	Television broadcast translator
K0A	K9W	Amateur
K0AA	K9WZ	Amateur
K0AAA	K9WZZ	Amateur
K0Y	K9Z	Amateur
K0YA	K9ZZ	Amateur
K0YAA	K9ZZZ	Amateur
KA0A	KZ9W	Amateur
KA0AA	KZ9WZ	Amateur
KA0AAA	KZ9WZZ	Amateur
KA0Y	KZ9Z	Amateur
KA0YA	KZ9ZZ	Amateur
KA0YAA	KZ9ZZZ	Amateur
KA2000	KZ9999	Land Mobile (Telephone); Marine Utility; Shipyard Mobile
KA2XAA	KZ9XZZ	Experimental (Letter "X" follows the digit)
KAA	KZZ	Coast (Class I) except Alaska; Broadcasting (Standard)
KAA00000	KZZ99999	Personal radio, temporary permit
KAA0001	KZZ9999	Personal radio
KAA2	KZZ9	Aeronautical
KAA20	KZZ99	Coast (Class I) telephone in Alaska; Fixed
KAA200	KZZ999	Coast (Cls 2 & 3) & maritime rdo; Land Mob; Marine Rcv Test
KAAA	KZZZ	Broadcasting (Std, FM, TV); Ship Telephone and/or Telegraph
KAAA-BT	KZZZ-BT	Cable-repair ship marker buoy
KAAA-FM	KZZZ-FM	Broadcasting with suffix "FM"
KAAA-TV	KZZZ-TV	Broadcasting with suffix "TV"
KAAA0001	KZZZ9999	Personal radio
KAAA2	KZZZ9	Disaster station, except US Govmt; Land Mobile (Mob Telgph)
KAAA20	KZZZ99	Ship survival craft
KAAAA	KZZZZ	Aircraft Telegraph and/or Telephone
KAAAA2	KZZZZ9	Aircraft survival craft
N0A	N9W	Amateur
N0AA	N9WZ	Amateur
N0AAA	N9WZZ	Amateur

N0Y	N9Z	Amateur
N0YA	N9ZZ	Amateur
N0YAA	N9ZZZ	Amateur
NA0A	NZ9W	Amateur
NA0AA	NZ9WZ	Amateur
NA0AAA	NZ9WZZ	Amateur
NA0Y	NZ9Z	Amateur
NA0YA	NZ9ZZ	Amateur
NA0YAA	NZ9ZZZ	Amateur
NAA	NZZ	Department of the Navy; US Coast Guard
W02AA	W83ZZ	Television broadcast translator
W0A	W9W	Amateur
W0AA	W9WZ	Amateur
W0AAA	W9WZZ	Amateur
W0Y	W9Z	Amateur
W0YA	W9ZZ	Amateur
W0YAA	W9ZZZ	Amateur
WA0A	WZ9W	Amateur
WA0AA	WZ9WZ	Amateur
WA0AAA	WZ9WZZ	Amateur
WA0Y	WZ9Z	Amateur
WA0YA	WZ9ZZ	Amateur
WA0YAA	WZ9ZZZ	Amateur
WA2000	WZ9999	Land mobile (telephone); Ship Radar and/or Telephone
WA2XAA	WZ9XZZ	Experimental (Letter "X" follows the digit)
WAA	WWU	Coast (Class I) except Alaska; Broadcasting (Standard)
WWW	WZZ	Coast (Class I) except Alaska; Broadcasting (Standard)
WAA0000	WZZ9999	Ship radar and/or Telephone
WAA0001	WPZ9999	Personal radio
WAA2	WZZ9	Aeronautical
WAA20	WZZ99	Coast telephone in Alaska; Fixed
WAA200	WZZ999	Coast (Cl 2&3) & Martim Rdo; Lnd Mob; Marine Rcv Tst; Fixed
WAAA	WWUZ	Broadcasting (Std, FM, TV); Ship Telephone and/or Telegraph
WWVA	WWVA	Broadcasting (Std, FM, TV); Ship Telephone and/or Telegraph
WWVJ	WWVK	Broadcasting (Std, FM, TV); Ship Telephone and/or Telegraph
WWVM	WWVR	Broadcasting (Std, FM, TV); Ship Telephone and/or Telegraph
WWVT	WWVZ	Broadcasting (Std, FM, TV); Ship Telephone and/or Telegraph
WAWA	WZZZ	Broadcasting (Std, FM, TV); Ship Telephone and/or Telegraph
WAAA-BT	KZZZ-BT	Cable-repair ship marker buoy
WAAA-FM	WZZZ-FM	Broadcasting with suffix "FM"
WAAA-TV	WZZZ-TV	Broadcasting with suffix "TV"
WAAA2	WZZZ9	Disaster station, except US Govmt; Land Mobile (Telegrph)
WAAA20	WZZZ99	Ship survival craft
WAAAA	WZZZZ	Aircraft Telegraph and/or Telephone
WAAAA2	WZZZZ9	Aircraft survival craft
WT2200000	WT9999999	Business radio, Gen Mob Rdo Svc, & Part 90 Temp. Permits
WWV	WWV	Std Freq; Broadcasting (Std, FM, TV); Ship Tele ph a/o grph
WWVB	WWVI	Std Freq; Broadcasting (Std, FM, TV); Ship Tele ph a/o grph
WWVL	WWVL	Std Freq; Broadcasting (Std, FM, TV); Ship Tele ph a/o grph
WWVS	WWVS	Std Freq; Broadcasting (Std, FM, TV); Ship Tele ph a/o grph
WZZ200	WZZ999	Coast telephone in Alaska

Harold G. Peach, Jr., N4FLZ
hgpeach@ca.uky.edu (InterNet)

From 2805864868041016600
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c197c36a3c9016,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-11 17:42:12 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
XEROX.COM!"Geoffrey_C._Williams.WBST207V"
From: "Geoffrey_C._Williams.WBST207V"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: RE: CB IN UK
Message-ID: <900611-135431-1189@Xerox>
Date: 11 Jun 90 18:28:05 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: GCW.WBST207V@Xerox.COM
Organization: The Internet
Lines: 13
Posted: Mon Jun 11 19:28:05 1990

Sorry I can't get to Jim Carver direct.
Yes the seller was correct CB in the UK is FM. I'm sure you should get a
reply direct from the UK detailing the channel allocations which are also
different and do not have the spaces for remote control.
But it was decided to go FM, (which does make a lot good of sense) for
several rumoured reasons, To get away from the thousands of illegal US type
CB's, To allow all vendors to have an opportunity to supply the CB's, and
just to be different !
73's
-- GEOFF WILLIAMS
ARPA   -   G4JJO.WBST207V@Xerox.COM

From -1946699393110143622
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc433950a76d388c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-11 17:43:53 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!bobm
From: bobm@anasaz.UUCP (Bob Maccione)
Newsgroups: rec.ham-radio
Subject: Re: Need pointers for literature about building satelite receivers
Message-ID: <2420@anasaz.UUCP>
Date: 11 Jun 90 16:52:47 GMT
References: <1094@wrs.wrs.com>
Reply-To: bobm@anasaz.UUCP (Bob Maccione)
Distribution: rec
Organization: Anasazi, Inc.
Lines: 19

Posted: Mon Jun 11 17:52:47 1990

In article <1094@wrs.wrs.com> james@roover.wrs.com (James Moore) writes:
}A friend of mine is visiting from Moscow (Soviet Union, not Idaho) and
}would like to find literature about building and maintaining satelite
}receivers. They've put together one system that can pull in CNN, and
}they'd like to be able to get more. This is an area that I'm totally
}unfamiliar with, so any pointers at all would be useful. (They have
}limited space and limited resources, so if you know of something that talks
}about how to do this on a shoestring budget, so much the better.)
}
}Thanks,
}
>James Moore | Wind River Systems

Please post the sources (or email me also), I'm this far --> <--- from
getting a dish after seeing the pics from the C-band sat subcarrier. Now
the problem (as usual) is getting the bucks up for the LNA, etc.

bob Maccione..

From -7684201179981736383
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1152b8,10b57ffe3a4b764e,start
X-Google-Attributes: gid1152b8,public
X-Google-Thread: 10c9e3,10b57ffe3a4b764e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,10b57ffe3a4b764e,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,10b57ffe3a4b764e,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-06-11 18:18:11 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!milano!peyote!majec
From: majec@peyote.cactus.org (Majec Systems)
Newsgroups: rec.aviation,rec.ham-radio.swap,rec.ham-radio,rec.radio.shortwave
Subject: for sale:HANDHELD TRANSCEIVERS
Keywords: VOR AVIATION 108.000 to 139.975
Message-ID: <928@peyote.cactus.org>
Date: 11 Jun 90 20:49:28 GMT
Organization: Capital Area Central Texas Unix Society, Austin, TX
Lines: 21
Xref: gmdzi rec.aviation:4656 rec.ham-radio.swap:458 rec.ham-radio:12112 rec.radio.shortwave:1422
Posted: Mon Jun 11 21:49:28 1990

I am listing two transceiver radios for a friend who wishes to sell them. They are as
follows.

1) STS model AV7600VOR handheld 118.000 to 135.975 mhz

vor freq 108.000 to 117.975
manual included

2) Ten Tec TT920 Aviation band handheld good condition
no manual but manufacturer can provide one.

Please e_mail your offers. These are both excellent tools for emergency air
to ground communications as well as navigation backups incase of nav
equipment failure. Scanner fans will enjoy the programming features of
both radios.

Thanks e Guinn

"nothing funny to say"

From 924794986599881922
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6041b6544cd6e4a8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-11 21:24:25 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!uwrf.BITNET!ACS_BLOOM
From: ACS_BLOOM@uwrf.BITNET ("Harlan...")
Newsgroups: rec.ham-radio
Subject: unsubscribe
Message-ID: <9006112324.AA26626@ucsd.edu>
Date: 11 Jun 90 23:14:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Tue Jun 12 00:14:00 1990

unsubscribe
Please unsubscribe me from the list.

Thanks,
Harlan...

From -288894121547911343
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f92aac733dcffee6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-11 21:46:47 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!
elroy.jpl.nasa.gov!turnkey!orchard.la.locus.com!prodnet.la.locus.com!
lando.la.locus.com!dana
From: dana@lando.la.locus.com (Dana H. Myers)
Newsgroups: rec.ham-radio
Subject: Re: EBS Recordings, etc.
Message-ID: <10607@oolong.la.locus.com>

Date: 11 Jun 90 22:00:15 GMT
References: <9006071242.AA21383@decpa.pa.dec.com> <615@compnect.UUCP>
Sender: news@locus.com
Organization: Locus Computing Corporation, Inglewood, CA
Lines: 20
Posted: Mon Jun 11 23:00:15 1990

In article <615@compnect.UUCP> dave@compnect.UUCP (Dave Ratcliffe) writes:
>In article <9006071242.AA21383@decpa.pa.dec.com>, judice@sulaco.enet.dec.com ("Louis J. Judice") writes:
>
>logged it but ran their own according to a set schedule. If a REAL
>notification came through, secondaries were supposed to tell people
>where to tune (just like the old Conelrad 640/1240 stuff) then sign-off,
>NOT rebroadcast material. I guess the idea was to cut the clutter and
>make sure ONLY authorized info was disseminated.
>

This doesn't really belong on rec.ham-radio, but the idea was not to reduce clutter. The idea was to reduce the number of radio sources the enemy could use for radio direction finding, to get a bearing on targets. Remember this stuff was all pre-satellite navigation, etc.

```
*****************************************************************
* Dana H. Myers KK6JQ       | Views expressed here are  *
* (213) 337-5136 (ex WA6ZGB)     | mine and do not necessarily
     *
* dana@locus.com       | reflect those of my employer   *
*****************************************************************
```

From 8592872405188244581
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d56b559618997f08
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-11 22:04:42 PST
Path: gmdzi!unido!mcsun!uunet!husc6!m2c!umvlsi!umaecs!lkay
From: lkay@ecs.umass.edu (Leonard Kay, KB2R (UMass/Amherst))
Newsgroups: rec.ham-radio
Subject: Buying IRCs (was Re: IRC prices)
Message-ID: <10041.267389df@ecs.umass.edu>
Date: 11 Jun 90 12:09:03 GMT
References: <1832533@MTS.RPI.EDU> <1990May31.033156.12240@cbnewsk.att.com> <37516@genrad.UUCP> <1702@apctrc.UUCP> <10038.2672b00b@ecs.umass.edu>
Lines: 20
Posted: Mon Jun 11 13:09:03 1990

In article <10038.2672b00b@ecs.umass.edu>, lkay@ecs.umass.edu (Leonard Kay, KB2R (UMass/Amherst)) writes:
> P.S. - My PO charges 95c for IRCs also. You gotta watch the USPS employees,
> though - a lot of them don't know what they are, and even more don't know
> which side *they* stamp it on (if it's stamped on the wrong side it's
> invalid)!

I've gotten a couple E-mails on this, so I figured I'd post this. The side the IRC must be stamped on when you buy it is (I haven't bought one in awhile, so I hope my memory is good) is the left. To be sure, look at it. It's the side marked `imprimee de poste d'origine' or some similar phrase in French (the official language of the IPU) which stands for place of *origin*. The other side is reserved for the postmark of where it is *redeemed*. See why it matters now?

Len

```
--------------------------------------------------------------------------
Leonard Kay, KB2R  UMass/Amherst      |  "It's always darkest just
(413)545-4762      lkay@ecs.umass.edu |    before it's totally black"
--------------------------------------------------------------------------
```

From 5648902185657979136
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d9e700522c1b57d3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-06 06:07:56 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!haven!decuac!shlump.nac.dec.com!
ryn.esg.dec.com!..notusedbyDECnet...!taber
From: taber...notusedbyDECnet... (>>>==>PStJTT)
Newsgroups: rec.ham-radio
Subject: Re: qsl bureau, czech is in the mail?
Message-ID: <1698@ryn.esg.dec.com>
Date: 6 Jun 90 13:07:56 GMT
Sender: guest@ryn.esg.dec.com
Lines: 18
Posted: Wed Jun 6 14:07:56 1990
Organisation: Digital Equipment Corporation

```
>
>> My callbook lists OL and ON as Czechoslovakia and Belgium  with OM
>> allocated to the Czechs but none issued yet, so unless I hear
>> different, I will assume it is Czech.
>
>You assume correctly. I've been hearing OM calls for a few weeks now.
>
```

I worked OM7AN on Sunday and he gave a direct QSL address in Czechoslovakia. He said the OM prefix was a special event thing, but didn't say what the special event was. I've been trying to find out, but no luck so far.

                >>>==>PStJTT
              Patrick St. Joseph Teahan Taber

Mail address: Nahhhhh, you don't want to send me mail....

From -5998515847751593390
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55421db7ca9ec78b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-06 06:10:25 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!uakari.primate.wisc.edu!aplcen!haven!decuac!shlump.nac.dec.com!ryn.esg.dec.com!..notusedbyDECnet...!taber
From: taber...notusedbyDECnet... (>>>==>PStJTT)
Newsgroups: rec.ham-radio
Subject: Re: RE: EBS MESSAGES
Message-ID: <1699@ryn.esg.dec.com>
Date: 6 Jun 90 13:10:25 GMT
Sender: guest@ryn.esg.dec.com
Lines: 21
Posted: Wed Jun 6 14:10:25 1990
Organisation: Digital Equipment Corporation

>> Back in the late 60's? there was the famous incident I actually heard on my
>> car radio while traveling in Michigan where the a glitch occurred during on of
>> those "tests of the EBS". Apparently, some airman at Cheyenne Mountain who's
>> on the other end of the tests, played the wrong tape.

I have the honor of knowing the officer in charge of that test... what happened was that they were running a test and hooked up the input that was simulating missles coming over the pole, but someone forgot to unplug the outputs to the Early Warning System. Most of the stations on the East and West Coast ignored the war message, but middle America wet it's pants. The guy I know didn't have enough rank to get fired for the screw-up, so they fired his boss.

It's a great story -- it might even be true. You know what military stories are like...

>>>==>PStJTT
Patrick St. Joseph Teahan Taber

Mail address: Nahhhhh, you don't want to send me mail....

From -5291007576585750863
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e38c23490a05af69
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-06 08:17:15 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cornell!lrj
From: lrj@ishtar.cs.cornell.edu (Lewis Jansen)
Newsgroups: rec.ham-radio
Subject: Re: Yaesu FT-101EE questions
Message-ID: <41819@cornell.UUCP>
Date: 6 Jun 90 15:17:15 GMT
References: <9006052049.AA26601@ti.com>

Sender: nobody@cornell.UUCP
Reply-To: lrj@cs.cornell.edu (Lewis Jansen)
Organization: Lab of Atomic and Solid State Physics, Cornell University
Lines: 61
Posted: Wed Jun 6 16:17:15 1990

In article <9006052049.AA26601@ti.com> dube@cpdvax.csc.ti.com writes:
>
>In lrj@helios.tn.cornell.edu Lewis R. Jansen writes
>
> >I put an Ohm meter across the mic terminals (with the mic disconnected
> >and saw ~500 ohm impedance.
>
>Impedance is a term that is associated with AC circuits. An ohm-meter is
>a DC circuit instrument. Although the term "ohms" is used as the unit of
>measurement of resistance and impedance, the two are not synonymous. An
>ohm=meter cannot measure impedance *UNLESS* you are positive that what you
>are calling impedance is a pure resistance.

The mic element had been removed from the PTT/mic assembly and the leads had been desoldered. I put the ohm meter across the two terminals and got the above reading. The mic element is from the mid 1970's, and is ~3/4 inch thick and ~1 inch in diameter. Interestingly, it's identical to the mic element in a 1976 Midland CB radio I have (I wanted to make sure that the mic element in the Yaesu mic wasn't bad; the Midland was known to work). There may be something other than pure resistance in there, but I don't have the equipment to really check for it.

>If by keying the transmitter you get a different-from-normal reading with
>NO modulation, I would doubt that the input and mike impedances would be a
>consideration. It would be better to know what the pin-outs of the mike are
>compared to what the rig's mike connector wants to see. Sounds more like
>a keying-line problem to me. I'd double check the connector wiring for the
>mike against the FT-101 schematic.

I think I stated that the readings were normal for no modulation, but that the meters weren't reading anything signifigant when modulation was applied.

Checking the wiring on the mic and making sure it matched what the FT-101 wanted was the *FIRST* thing I did. Additionally, I *did* have a local QSO with a couple people despite the meters reading no output power (they *do* read appropriate value when tuning up into a dummy load or doing CW). This would indicate that the mic & PTT are working normally; for some reason the meters aren't catching it...

>Regards,
>73,
>Dube Todd N5PDK

Based on some more testing into a dummy load, and the input of a couple people on the net, I get the impression that the meters on the

FT-101 and the Drake MN7 are too *SLOW* to provide accurate readings on the upper HF bands. All was working as it was supposed to be in the lower HF bands (at least to the Cantenna... :)

I'll borrow a good wattmeter (comparable to Bird) from the Cornell ARC and do some more checking tonight. Now for 10m to open up... *sigh*

Anyway thanks for the input, Dube; hope to catch you on the air sometime.

```
    -- Lewis R. Jansen, N2KNV        lrj@helios.tn.cornell.edu
    LASSP/LNS Systems Manager             (607) 255-6065

         "You can't fight in here, this is the War Room!"
```

```
From -8205971946147699188
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc433950a76d388c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,fc433950a76d388c,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-06-06 11:08:38 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!amdahl!rtech!wrs!roover!james
From: james@roover.wrs.com (James Moore)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Need pointers for literature about building satelite receivers
Message-ID: <1094@wrs.wrs.com>
Date: 6 Jun 90 18:08:38 GMT
Sender: news@wrs.wrs.com
Followup-To: rec.ham-radio
Distribution: rec
Lines: 14
Xref: gmdzi rec.ham-radio:12059 rec.radio.shortwave:1411
Posted: Wed Jun  6 19:08:38 1990
```

A friend of mine is visiting from Moscow (Soviet Union, not Idaho) and would like to find literature about building and maintaining satelite receivers. They've put together one system that can pull in CNN, and they'd like to be able to get more. This is an area that I'm totally unfamiliar with, so any pointers at all would be useful. (They have limited space and limited resources, so if you know of something that talks about how to do this on a shoestring budget, so much the better.)

Thanks,

```
-------------------------------------------------------------------------------
James Moore                   | Wind River Systems
james@wrs.com                 | Emeryville, California
-------------------------------------------------------------------------------
```

```
From 4384701897279296496
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,53843cf69ca23ecf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-06 11:31:56 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!apple!voder!nsc!amdahl!twg.com!obelix!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: Re: WPX CW TEST
Message-ID: <7258@gollum.twg.com>
Date: 6 Jun 90 18:31:56 GMT
References: <683.2661E6C2@weyr.FIDONET.ORG>
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 22
Posted: Wed Jun 6 19:31:56 1990

In article <683.2661E6C2@weyr.FIDONET.ORG> katz@weyr.FIDONET.ORG (SYLVAN KATZ) writes:
>How was your WPX CW Contest? At this location things were lousy. It seemed as
>though I was in a BLACK HOLE. About 2050Z on saturday there was a complete
>blackout of everything from DC to light. For about 45 mins WWV on all
>frequencies was completely wiped out. There was not a single amateur station
>to be heard on 14/21/28. During the whole time of the contest I worked every
>european station I heard - six stations - 2 DJ's, 1 G, 2 YU's and 1 Y41. Not
>a single OK/LA/ON/OH, etc was heard. Even more dissappointing not a single JA
>was heard... Did any of the rest of you experience a similar WPX contest?
>
I knew the conditions were bad enough that I didn't even bother trying to work this one. So I took off driving (ugh!) to Seattle to see some visiting Russian hams I know who were visiting with the Western Washington DX Club. It turned out that the main guy I had gone up to see--UA3ABW--had gone over to Vancouver to work WPX as a VE7 (he could get permission to operate from Canada, but of course in the U.S. it's not quite so simple). He went up with KE7V, who is quite a good contester, and they did a multi-single entry. Net for the two of them for the whole weekend was about 800 qso's. Not bad considering the conditions, but on the grand scale of contesting that's pretty miserable. Knowing KE7V as I do, that will probably be one of the higher scores recorded.

AA6KX

From -6363167819790830233
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd208992aac66b0f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-06 16:27:41 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!umich!pmsmam!wwm
From: wwm@pmsmam.uucp (Bill Meahan)
Newsgroups: rec.ham-radio
Subject: Re: TNC Simulation
Message-ID: <1990Jun6.232741.29406@pmsmam.uucp>

Date: 6 Jun 90 23:27:41 GMT
References: <12183@shlump.nac.dec.com> <808@ssc.UUCP>
Reply-To: wwm@pmsmam.UUCP (Bill Meahan)
Organization: Ford Motor Co EFHD Ypsilanti Plant, Ypsilanti MI
Lines: 12
Posted: Thu Jun 7 00:27:41 1990

>In article <12183@shlump.nac.dec.com>, pompano@deaths.dec.com (Jim Pompano) writes:
>
>> Is anyone aware of software that will emulate a TNC?
>

Actually, PE1CHL's version of the KA9Q NET program includes a full TNC-2 emulator, but it does require an 8530 board for operation.

73
--
Bill Meahan WA8TZG   uunet!mailrus!umich!pmsmam!wwm
I speak only for myself - even my daughter's cat won't let me speak for her!

From 5672064654591769920
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16d9f08f560aebaf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-06 16:34:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!uunet!philmtl!philabs!ttidca!sorgatz
From: sorgatz@ttidca.TTI.COM (Avatar)
Newsgroups: rec.ham-radio
Subject: Re: EBS Nuclear Announcement
Message-ID: <16854@ttidca.TTI.COM>
Date: 6 Jun 90 23:34:32 GMT
References: <9006032356.AA15701@ucsd.edu> <1530045@hpsadpei.HP.COM>
Organization: Citicorp/TTI, Santa Monica
Lines: 24
Posted: Thu Jun 7 00:34:32 1990

In article <1530045@hpsadpei.HP.COM> mikew@hpsadpei.HP.COM (Mike Weihman) writes:
+From: TCOMGRD1@OUACCVMB.BITNET (Pete Simpson):
+Re: EBS nuclear alert tapes...
+>   Does anyone out there know what these say? If so could you email me
+> what is says, or is that illegal somehow?? WHATEVER YOU DO... Dont reply with
+> the actual message to the net!!!!!
+Why not?? Is the stuff copyrighted? Top Secret? Or is it like the
+Monty Python World's Funniest Joke, that will cause instant death to
+all listeners from overlaughter?
+Seriously, is there a good reason not to post it, or a good reason you
+should not havbe been permitted to hear the tapes in the first place?

I agree with Mike, there is NO reason why we should not be allowed to hear what these announcements sound like. It can't be classified, the EBS system isn't actually a part of the DoD or similar agency. I'd bet thet it's just one of those stupid little management-policy games that these people are so fond of playing...as if they have the wisdom to dictate anything that might be in the best interests of the Public. Let's hear it!

```
-Avatar-> (aka: Erik K. Sorgatz) KB6LUY           +------------------------+
Citicorp(+)TTI                          *----------> panic trap; type = N+1 *
3100 Ocean Park Blvd. Santa Monica, CA  90405     +------------------------+
{csun,philabs,psivax,pyramid,quad1,rdlvax,retix}!ttidca!sorgatz **
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR IT'S MANAGEMENT!)
```

From -6917436200769051939
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f86cbb60d149804,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 00:39:06 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!UCBEH.SAN.UC.EDU!MORRISTA%UCMCIC
From: MORRISTA%UCMCIC@UCBEH.SAN.UC.EDU
Newsgroups: rec.ham-radio
Subject: Identify old radio?
Message-ID: <83453C39677F20CB0D@UCBEH.SAN.UC.EDU>
Date: 6 Jun 90 17:38:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 36
Posted: Wed Jun 6 18:38:00 1990

```
    University
        of        I N T E R O F F I C E   M E M O R A N D U M
    Cincinnati
                              Date:     06-Jun-1990 13:36 EST
                              From:     Theodore Morris
                                        MORRISTA
                              Dept:     MCIC/IR&D
                              Tel No:   513-558-6046 (Group)

TO:  Remote PMDF User                     ( _IN%INFO-HAMS@UCSD.EDU )
```

Subject: Identify old radio?

My wife's great uncle is closing his home and moving into an apartment with his widowed sister; I have an opportunity to pick up a floor model Delco 3-band radio (don't know if it's currently working, but I bet the electrolytics are all shot!). Can anyone tell me anything about this from this meager discription:

DELCO R-1131, S/N 019293, "Delco Super Heterodyne Receiver," 3 bands (.55-1.610, ~1.7-~5.5, ~5.5-~18 MHz). Couldn't find a date on the S/N plaque on the back, might be one inside on the tube layout chart, but

it was too dusty and we were moving other stuff that weekend, so I
couldn't linger...but we're going back for a second load!

Thanks for any info.

```
=======================================================================
Theodore Allan Morris                  |231 Bethesda Avenue, ML# 574
University of Cincinnati Med. Ctr.     |Cincinnati, OH  45267-0574
Med. Ctr. Information & Communications|513-558-6046 W, 731-3451 H
Information Research and Development  |WB8VNV NTS, U1091 AppleLink,
=======================================|MORRISTA@UCMCIC.OA.UC.EDU I'net
No good deed ever goes unpunished.    |      - Go Bearcats! -
=======================================================================
```

From 5308749594277349094
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1c75e01dc8761df,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 01:01:53 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!Franz.COM!jkf
From: jkf@Franz.COM (Sean Foderaro)
Newsgroups: rec.ham-radio
Subject: time for FCC to process a license application
Message-ID: <9006061536.AA12961@frisky.Franz.COM>
Date: 6 Jun 90 15:36:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Lines: 4
Posted: Wed Jun 6 16:36:50 1990

Another data point for others waiting for the FCC:
A friend (kc6loc) just got his novice license in the mail after waiting 4
weeks and 2 days.   I'm still waiting for mine.

From -8844739830164111737
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,54ab4433658d6ac9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 01:18:26 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!OUACCVMB.BITNET!TCOMGRD1
From: TCOMGRD1@OUACCVMB.BITNET
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9006061754.AA09359@ucsd.edu>
Date: 6 Jun 90 17:52:03 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Wed Jun 6 18:52:03 1990

Date: 6 June 1990, 13:48:19 EDT

From: TCOMGRD1 at OUACCVMB
To: INFO-HAMS@WSMR-SIMTEL20.ARMY.MIL at MIL

About the EBS tapes...
     Thats what I was saying, I've Never heard them!!! (as the note explains). No one replied to me with what they said... so I cant tell ya either. I'm out-of-school tommrow, and am leaving... but I'll see if I cant sneak a listen this afternoon if I have time between packing and studying (Studying? Whats that!?) for finals.
     If anyone DOES mail me with the actual message, I'll post it, since everyone seems to be curious...

Pete Simpson
Bitnet: TCOMGRD1@OUACCVMB.BITNET
Internet: psimpson@oucsace.cs.ohiou.edu

From 8640500779814177435
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b95205ea4c8465
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 01:46:22 PST
Path: gmdzi!unido!mcsun!uunet!wang!comm.wang.com!joer
From: joer@comm.wang.com (Joe Reinhardt)
Newsgroups: rec.ham-radio
Subject: Re: Packet radio advice
Message-ID: <1990Jun6.134435.28931@comm.wang.com>
Date: 6 Jun 90 13:44:35 GMT
References: <9446@pt.cs.cmu.edu> <266aa419-d1.1rec.ham-radio-1@vpnet.chi.il.us> <14122@ucsd.Edu>
Organization: Wang Labs, Platform Comms.
Lines: 24
Posted: Wed Jun 6 14:44:35 1990

brian@ucsd.Edu (Brian Kantor) writes:

>In article <266aa419-d1.1rec.ham-radio-1@vpnet.chi.il.us> ken@vpnet.chi.il.us (Ken Linder) writes:
>>I have used the MFJ 1270B TNC for a while now and find that it
>>has very few operating problems. I have heard of a few people who
>>had diodes go bad on them, but it is not the majority of the users,
>>and anyway, these were older models.... I do recomend the 1270B....
>>KA9RVK   Ken Linder.....7373

>And if you install the TAPR XR2211-DCD modification, for $11, you'll be
>able to run with your radio's squelch open, which means the other guy
>can cut his TXD in half or better, which means that EVERYONE on the
>channel will enjoy increased throughput and fewer collisions.

I have been using the 1270B unmodified for two years always WITH the squelch open. In fact, I had not even heard of this mod, and have had no trouble either using plain ax.25 or KISS mode.

Joe AF2J

```
-----
Joe Reinhardt, AF2J       Wang Laboratories         joer@comm.wang.com
508-967-3163               Lowell, MA, USA          uunet!comm.wang.com!joer
```

From 1466978481648580269
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,243159f41db2b59c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 01:48:41 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!cs.cciw.ca!U009
From: U009@cs.cciw.ca
Newsgroups: rec.ham-radio
Subject: 10 GHz Weekends in FN03 country.
Message-ID: <5A06060E230500D6-MTACY830*U009@cs.cciw.ca>
Date: 6 Jun 90 19:44:01 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Wed Jun 6 20:44:01 1990

There is a group of hams in the EN93/FN02/03 area who will be active
during the 10 GHz Contest weekends, August 18-19 and September 15-16.

If you are near us, drop us a line and we'll try to hook up for some
interesting travelling and QSO attempts on these weekends.
If you hear any of us on 2M SSB give us a call and we'll chat about
skeds, or drop me a line here and we'll try to coordinate something.

Look for us when the higher band activity drops at night during the
VHF contest.

73 de VE3MWM VE3SMA VE3RKS VE3WCB VE3EZP VE3LPP

From -2914514108250821063
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e754e4733b44a06,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 02:20:36 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!mit-eddie!rutgers!att!cbnewsm!ka1gt
From: ka1gt@cbnewsm.att.com (robert.m.atkins)
Newsgroups: rec.ham-radio
Subject: VHF/UHF/EME Dxpedition to Azores
Keywords: Skeds wanted by F6KSX
Message-ID: <1990Jun6.165800.1752@cbnewsm.att.com>
Date: 6 Jun 90 16:58:00 GMT
Organization: AT&T Bell Laboratories
Lines: 29

Posted: Wed Jun 6 17:58:00 1990

I received a letter from F6EZV this morning. The following is a condensed version of the contents:

The F6KSX group has mounted previous Dxpeditions for 432MHz EME to C30BVA and TK4EME. This year they will be operating from CU8EME in the Azores. (Locator HM49JN). Operation will be as follows:-

July 10-17 144MHz MS/ES/Tropo 144.025MHz 17el, 1kW, 0.4dB NF
July 12-17 432MHz EME 16x21el, 1kW, 0.3dB NF
July 18-22 144MHz EME/MS/ES/Tropo 144.025MHz 4x17el, 1.2kW, 0.3dB NF
July 10-22 HF VHF net 14.345MHz for skeds

They are looking for skeds. They would like to try for the 1st EU/NA contact by other than EME (i.e. E-skip, Meteor scatter or tropo.

Contact Alain Bironneau (F6EZV), 8, imp des Perdix, 94 210 La Varenne, France

The group will be F1EHN, F6CTW, F6EZV and F6HKA

For those not familar with the Azores, they are a group of islands about 1000 miles west of Lisbon. The distance to the closest point in NA (the eastern tip of Newfoundland) is about 1500 miles. The distance to the eastern seaboard of the USA is about 2000 miles (Maine) to 3000 miles (FL).

Please pass this info on to anyone with well equiped stations, especially to anyone in Newfoundland or Nova Scotia who might have a chance for a non EME contact.

Bob Atkins   KA1GT

From -8612935053644291553
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,23279edc4efedfb2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 04:31:43 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!mailrus!cs.utexas.edu!sdd.hp.com!hplabs!hpda!hpwala!hpnjld!eyg
From: eyg@hpnjld.HP.COM (Ed Gilbert)
Newsgroups: rec.ham-radio
Subject: Re: Ford Taurus HF Mobile question
Message-ID: <4140016@hpnjld.HP.COM>
Date: 7 Jun 90 11:31:43 GMT
References: <4630013@hpspkla.spk.hp.com>
Organization: Hewlett Packard NJD, Rockaway NJ
Lines: 5
Posted: Thu Jun 7 12:31:43 1990

I have an '89 Taurus. I haven't tried HF mobiling in it, but I have a 2M rig in it and I've found that the car radiates a lot of ignition noise. Does anyone have any suggestions for taming this?

- WA2SRQ

From 4476500813611944819
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f43c728cecea0eb3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 08:47:37 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!ucbvax!MCTGATE.MCT.ANL.GOV!Loren_Thompson
From: Loren_Thompson@MCTGATE.MCT.ANL.GOV (Loren Thompson)
Newsgroups: rec.ham-radio
Subject: Before the miss conception
Message-ID: <9006070028.AA04973@ucsd.edu>
Date: 7 Jun 90 00:35:37 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Thu Jun 7 01:35:37 1990

Before the miss conception is taken as law on field day:

Under bonus points #8 of field day rules it clearly states that for packet radio rule 7C is waived!! Rule 7C states no repeater contacts. Therefore the no repeater rule is not in effect for the packet station during field day. The same rules were in effect last year with the result being contest policemen tell you that QSO's digipeated thru them were no good so stop it.
Repeaters on other modes are not allowed, PACKET is the exception!

From 1606786059366335859
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b996e5b09ab18b3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 09:49:21 PST
Path: gmdzi!unido!mcsun!uunet!mnetor!ghp!jim
From: jim@ghp.UUCP (Jim Stewart)
Newsgroups: rec.ham-radio
Subject: Re: Dual-banders
Keywords: Need info
Message-ID: <611@ghp.UUCP>
Date: 6 Jun 90 21:26:59 GMT
References: <8105@b11.ingr.com> <3211@sactoh0.UUCP>
Reply-To: jim@ghp.UUCP (Jim Stewart)
Organization: Gellman Hayward & Partners Ltd.
Lines: 13
Posted: Wed Jun 6 22:26:59 1990

In article <3211@sactoh0.UUCP> jre@sactoh0.UUCP (Jim R. Earl) writes:

>The Kenwood 731 has two antenna ports.
>It is also easily modified (just clip a diode) to operate

>as a "cross-band repeater",

Which?? Any other goodies??

tnx, jim
--
Jim Stewart, VE3SRJ
UUCP: jim%ghp@mnetor.uucp
BELL: (416)862-0430

From 3906747158221326142
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55421db7ca9ec78b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaed,44f8e382a98918a2,start
X-Google-Attributes: gid10aaed,public
X-Google-ArrivalTime: 1990-06-07 10:27:49 PST
Path: gmdzi!unido!mcsun!uunet!midway!ncar!asuvax!cs.utexas.edu!swrinde!ucsd!
helios.ee.lbl.gov!nosc!crash!skipsand
From: skipsand@crash.cts.com (Skip Sanders)
Newsgroups: rec.ham-radio
Subject: Re: RE: EBS MESSAGES
Message-ID: <3029@crash.cts.com>
Date: 7 Jun 90 04:21:44 GMT
References: <1699@ryn.esg.dec.com>
Organization: Crash TimeSharing, El Cajon, CA
Lines: 10
Posted: Thu Jun 7 05:21:44 1990
X-Local-Date: 6 Jun 90 21:21:44 PDT

Hmm.. The story I remember from the "old days" was that a technicial at the
NORAD HQ made a boo-boo, as the alert message to Radio Stations (at that time)
was by TELETYPE, and there were two pre-punched tapes (remember punch-tape?)
at his console, one "test", one "we're at war, let them know"... and one day,
he accidentally sent the REAL war tape instead of the test, with all the
right authenticators in it. As was noted before, most radio stations ignored
the message (on air, anyway) (makes you real sure of the local radio stn's
concern for your stress level, eh?), but a few did tell their listeners that
the war was on. Supposedly, subsiquently the system was changed to avoid
this happening again, thru more "human in loop" design.

From -4214695668013392285
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f92aac733dcffee6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 11:31:41 PST
Path: gmdzi!unido!mcsun!uunet!husc6!rutgers!ucsd!ucbvax!sulaco.enet.dec.com!judice
From: judice@sulaco.enet.dec.com ("Louis J. Judice")
Newsgroups: rec.ham-radio
Subject: re: EBS Recordings, etc.
Message-ID: <9006071242.AA21383@decpa.pa.dec.com>

Date: 7 Jun 90 12:47:24 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18
Posted: Thu Jun 7 13:47:24 1990

My understanding from talking to a former radio station employee is that
there are/were two classes of stations (primary and secondary - my terms).

The secondary stations, in the event of an emergency, tuned to one of the
primary stations and rebroadcast it. The EBS equipment rack included
tone detection, etc. and a specially packaged AM radio (not mil-spec, though,
supposedly of lower quality than the cheapest auto AM radios).

Primary stations would supposedly have the tapes "telling you what to do",
as well as feeds from "official sources".

I think this is why there is divergent opionion in this discussion from
knowledgeable radio station people - the EBS implementation varied, depending
on what kind of station it was installed in.

/ljj

From -9133911751176799343
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d56b559618997f08
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 11:46:17 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!asuvax!noao!ncar!husc6!genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: Re: IRC prices
Message-ID: <37516@genrad.UUCP>
Date: 7 Jun 90 11:53:01 GMT
References: <1832533@MTS.RPI.EDU> <1990May31.033156.12240@cbnewsk.att.com>
Sender: news@genrad.UUCP
Reply-To: dls@genrad.UUCP (Diana L. Syriac)
Organization: GenRad, Inc., Concord, Mass.
Lines: 21
Posted: Thu Jun 7 12:53:01 1990

In article <1990May31.033156.12240@cbnewsk.att.com> wheatley@cbnewsk.att.com
(steven.m.wheatley) writes:
>
>> I use a similar how-to-get-a-dx-QSL method, but I must be in the
>> dark about IRC's! I have been paying uncle sam $0.95 for each at
>> my local post office. How do you get them for $0.40 and where??
>>
>> Tell us about this secondary market (or e-mail direct)!

>....
>each one....they cost 95 at the post office, thus the 'secondary'
>market.

....I just asked our post office....they told me they cost 90 cents. Wouldn't
they cost the same at ALL US post offices????? I'm confused....
ps, no, I've not had the occasion to use any yet....but I do have 8 of them
at the moment.

->Diana L. Syriac   CAP: SM, Freedom 690 Mobile   Ham: KC1SP(1 super pilot)<-
->USmail: GenRad Inc., Mail Stop 6, 300 Baker Ave, Concord, Mass. 01742 <-
->usenet: {decvax,mit-eddie}!genrad!dls   or dls@genrad.com
<-
->tel: (508) 369-4400 x2459   I'D RATHER BE FLYING!!!
<-

From -4992743876648762342
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b996e5b09ab18b3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 12:02:16 PST
Path: gmdzi!unido!mcsun!uunet!midway!ncar!asuvax!cs.utexas.edu!sdd.hp.com!ucsd!ucbvax!ARO-EMH1.ARMY.MIL!tom
From: tom@ARO-EMH1.ARMY.MIL ("SINGLETON")
Newsgroups: rec.ham-radio
Subject: Dual-banders
Message-ID: <9006071151.AA08967@ucsd.edu>
Date: 7 Jun 90 11:32:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4
Posted: Thu Jun 7 12:32:00 1990

The Alinco DR-570T and the DR-590T both use a single port for VHF and UHF
antenna connection. For what it's worth, I'm quite pleased with the 590T.

Tom, N9CGD

From -8341448866144547374
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5eb792fc0a839e94,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,5eb792fc0a839e94,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-06-07 12:03:24 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!cunews!bcars8!bnrgate!bcarh342!mleech
From: mleech@bcarh342.bnr.ca (Marcus Leech)
Newsgroups: rec.ham-radio,sci.electronics
Subject: TMS3450

Keywords: clock-chips silicon texas-instruments brain-death
Message-ID: <1990Jun7.141107.6790@bnrgate.bnr.ca>
Date: 7 Jun 90 14:11:07 GMT
Sender: news@bnrgate.bnr.ca (USENET News Administration)
Organization: Bell-Northern Research, Ltd. Ottawa Ontario CANADA
Lines: 20
Xref: gmdzi rec.ham-radio:12033 sci.electronics:6968
Posted: Thu Jun 7 15:11:07 1990

A couple of years ago I bought a Radio-Shack 24-hour digital clock with a *BIG* display.

Radio-Shack stopped selling this beast, but a local discount store is offering a remarkably similar clock that only provides 12-hour display. It turns out that they both use the same display, and electronics--namely the TMS3450 clock chip.

I tried to get information out of Texas Instruments on this chip, but they steadfastly refused to acknowledge its existence. The chips have the TI logo on them, and they use the TMS numbering scheme characteristic of TI.

Can anybody (TI, are you listening??) give me any information on this chip--I would like to modify the twelve-hour version of the clock to twenty-four. I almost have it, but I need some info about the chip.

Marcus Leech, 4Y11 Bell-Northern Research |opinions expressed
mleech@bnr.ca P.O. Box 3511, Stn. C |are my own, and not
VE3MDL@VE3JF.ON.CAN.NA Ottawa, ON, CANADA |necessarily BNRs

From -694754141091844373
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,692cfd0f4050c56d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 12:14:58 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!hpbbn!hpbbrd!hpfcmdd!hpfcso!hpldola!paul
From: paul@hpldola.HP.COM (Paul Bame)
Newsgroups: rec.ham-radio
Subject: PRO-200[4,5] Birdies
Message-ID: <12120037@hpldola.HP.COM>
Date: 6 Jun 90 21:48:19 GMT
Organization: HP Elec. Design Div. -ColoSpgs
Lines: 15
Posted: Wed Jun 6 22:48:19 1990

I have a problem with birdies on my PRO-2004 and have seen this on other 2004's and 2005's but it's not listed in the birdie table.

They occur every 2MHz on the odd MHz at *.750 - that is, 453.750, 455.750 and so forth. I've checked high and low freqs and it seems to be everywhere so I guess it's getting into an internal mixer or something. Since 453.750 is a local police freqency this is a real problem.

Anyone know where this comes from and/or how to fix it? I'm not shy about minor scanner hacking.

                -Paul "Spice is the Variety of Life"
                paul@hpldola.hp.com   N0KCL

```
From -1206965966716030056
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac598d95f0cbd19d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 12:29:45 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!STL-06SIMA.ARMY.MIL!wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: QSL Basics
Message-ID: <9006071545.AA17103@ucsd.edu>
Date: 7 Jun 90 15:45:55 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 31
Posted: Thu Jun  7 16:45:55 1990
```

We've been discussing this topic like we all know what we're talking about, but I know that's not true in my case... :-)

Anyway, how about some basic info? I know what a QSL card is, and understand hams exchanging them directly. But when we get into the infrastructure of all these extensions and enhancements that have been build up around this simple exchange, I really don't understand what the details are.

Just who is a "QSL Manager"? Who takes on such a job and why? Are they "appointed" by a foreign ham, and are there people clamoring to get these positions, or are they people who volunteer to experience drudgery and annoyance for the sake of a foreign ham who is a personal friend, or what? Is the usual thing that one person is a "QSL Manager" for many foreign hams, or is this a one-to-one thing normally? Are there "QSL Managers" outside the US, or is this something that is US-unique?

What is a "bureau"? Who runs it/them, and why? Does each country have one? Do they have any "official" status, like being registered with that country's FCC-equivalent?

When did this stuff start? Any history notes or comments?

Post responses, don't mail them; this should be of interest to all the people out there who post "how can I become a ham?" or similar new-guy type queries.

[Someone writing a comprehensive reply to this would have more than half the work done on the QSL article for CQ magazine that I mentioned in a posting a week or so ago... Hint, hint, nudge, nudge... :-)]

Regards, Will

From -2939140925082215394
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f162f65edacb305,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 13:10:22 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!zaphod.mps.ohio-state.edu!uwm.edu!lll-winken!quintro!bpdsun1!dwg
From: dwg@bpdsun1.uucp (David W. Glessner)
Newsgroups: rec.ham-radio
Subject: Special Event: WIARC 50th anniversary
Message-ID: <1990Jun7.201022.4898@bpdsun1.uucp>
Date: 7 Jun 90 20:10:22 GMT
Reply-To: dwg@bpdsun1.uucp (David W. Glessner)
Organization: Harris Broadcast Div., Quincy, IL
Lines: 19
Posted: Thu Jun 7 21:10:22 1990

Announcement for Quincy, IL, and sister city Herford, West Germany, special event between June 25 and July 1:

To celebrate Quincy German Festival Days and the 50th anniversary of the Western Illinois Amateur Radio Club, members of the WIARC and the Herford ARC will operate club stations W9AWE and DK0HF (respectively) as well as their individual stations, June 25 through July 1. SSB operation will be on all bands 15 kHz above the bottom of the General class segment and the bottom of the 10 m Novice segment. CW will be 35 kHz above the bottom of the CW segment. Emphasis will be on the 20, 15, and 10 meter bands when these bands are open into Germany. For a certificate, QSL with a #10 SASE to WIARC, Box 3132, Quincy, IL 62301. A special sister city endorsement will be added to certificates for stations contacting both a Quincy and a Herford station.

--
David (WB9VGB)
     quintro!bpdsun1!dwg@lll-winken.llnl.gov
     uunet!tiamat!quintro!bpdsun1!dwg

From 587305915642469864
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac598d95f0cbd19d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 14:44:39 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio

Subject: Re: QSL Basics
Message-ID: <8296@crdgw1.crd.ge.com>
Date: 7 Jun 90 17:14:11 GMT
References: <9006071545.AA17103@ucsd.edu>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@trub.crd.ge.com (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 30
Posted: Thu Jun 7 18:14:11 1990
In-reply-to: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)

In article <9006071545.AA17103@ucsd.edu>, wmartin@STL-06SIMA (Will Martin) writes:
>We've been discussing this topic like we all know what we're talking about,
>but I know that's not true in my case... :-)

>What is a "bureau"? Who runs it/them, and why? Does each country have
>one? Do they have any "official" status, like being registered with that
>country's FCC-equivalent?

Bureaus are set up to reduce postage costs for overseas QSL's. From looking
in the call book, most of them are run by some radio club; most likely
that countries equivalent of ARRL (who runs the US bureau). The idea
is that if you do a lot of DX, you can send a bunch of cards at once
with some money to ARRL. They put all the cards for Lower Slobovia
in one package and send it off. The Slobovian bureau then puts all the
cards for an individual ham into his SASE (or however they arrange it)
and send it to him. It is much cheaper to ship a box of cards by the
pound then to put a stamp on each one and mail it.

You have to be a member of ARRL to use their service for outgoing cards.
If you aren't in the ARRL, you should be able to mail direct to a foreign
bureau. The addresses are in the foreign callbook.

This is a bit more than I knew when I posted my question about bureaus.
The big thing I still need is the details of assuring that the return card
gets to me from ARRL. Where do I send my SASE or do they want money, etc?

don perley ke2tp

perley@trub.crd.ge.com

From 313687347257186495
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a9293a3b1e989d11,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 15:48:44 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
usc!apple!sun-barr!newstop!west!service.West.Sun.COM!stan
From: stan@service.West.Sun.COM (Stan Galonski Sun DCSM El Segundo, CA)
Newsgroups: rec.ham-radio
Subject: HSOA QSL route

Message-ID: <835@west.West.Sun.COM>
Date: 7 Jun 90 18:20:00 GMT
Sender: news@west.West.Sun.COM
Reply-To: stan@service.West.Sun.COM (Stan Galonski Sun DCSM El Segundo, CA)
Lines: 9
Posted: Thu Jun 7 19:20:00 1990

Can anyone help with a QSL route for HS0A, the contact was in
Oct 88. I have tried the 'burro' with no luck. Got a note back
from HS0AC saying that he didn't have logs for '88.

Stan KB6RQZ

From 7551027160287021133
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae87c61a01be8e4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 15:49:22 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: California Help Needed
Message-ID: <41714@apple.Apple.COM>
Date: 7 Jun 90 18:47:50 GMT
References: <93331@kean.ucs.mun.ca>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 42
Posted: Thu Jun 7 19:47:50 1990

In article <93331@kean.ucs.mun.ca> rockwood@kean.ucs.mun.ca writes:
>With a California trip fast approaching, and plans to be in
>Sacramento, San Francisco and Los Angeles over a 3 and 1/2
>week period, I hope to do some operating on 2 meters. Does
>anyone have a listing of OPEN repeaters for these areas?

There are hundreds and hundreds of them. I'd suggest you get an
ARRL Repeater Directory. If you can't buy one in your area, try to
get to a ham store as soon as you get to California.

>I'm told by some people who've been to these areas that there are
>a lot of closed repeaters and that it's very difficult to find
>many that are open to all users.

This isn't true on 2m here in Northern California! There are very few
closed 2m repeaters. And most of the "closed" 440 MHz systems only use
tone access because of intermod problems, not because of a desire to
exclude people. They mostly use a 100Hz tone.

>Also as most of my time will be spent in the Sacramento and
>San Francisco areas, I plan on doing a little shopping as well.
>I hope to trade in my ICOM micro 2AT on a 2SAT, and possibly
>pick up a couple of other goodies (good second hand if I can
>find it).
>So would anyone have any recommendations on Ham Stores in
>Sacramento particularly??

I'll leave the Sacramento answer to the folks over there, but here
in the Bay Area, you can try the Ham Radio Outlet stores in Alameda
and Burlingame and Quement Electronics in San Jose.

73,
Patty

```
--
*****************************************************************************
Patty Winter N6BIS                          INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                       UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From 1067735044942215619
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac598d95f0cbd19d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 15:50:42 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: QSL Basics
Summary: Check Sept. '88 _CQ_ and Feb. '89 _QST_
Message-ID: <41716@apple.Apple.COM>
Date: 7 Jun 90 18:55:46 GMT
References: <9006071545.AA17103@ucsd.edu>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 33
Posted: Thu Jun 7 19:55:46 1990

In article <9006071545.AA17103@ucsd.edu> wmartin@STL-06SIMA.ARMY.MIL (Will Martin) writes:
>Anyway, how about some basic info? I know what a QSL card is, and understand
>hams exchanging them directly. But when we get into the infrastructure of
>all these extensions and enhancements that have been build up around this
>simple exchange, I really don't understand what the details are.

The following two articles should answer most questions about
QSLing procedures:

Bill's Basics: Postal Rates, QSL Cards, and DX QSL Bureaus

_CQ_, September 1988

Novice Notes: Paper Tiger (With some basic information,
QSLing can be easy and fun)
QST, February 1989

>[Someone writing a comprehensive reply to this would have more than half the
>work done on the QSL article for CQ magazine that I mentioned in a posting
>a week or so ago... Hint, hint, nudge, nudge... :-)]

Not sure which article this refers to, but the one by Bill Welsh that I
just mentioned is rerun occasionally.

73,
Patty

--
```
******************************************************************************
Patty Winter N6BIS                          INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                       UUCP: {decwrl,nsc,sun}!apple!winter
******************************************************************************
```

From 1100305362772824848
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f43c728cecea0eb3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 15:50:48 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: RE: Before the miss conception
Message-ID: <9006071840.AA15854@ti.com>
Date: 7 Jun 90 17:21:06 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 30
Posted: Thu Jun 7 18:21:06 1990

> Subj: Before the miss conception
>
> Before the miss conception is taken as law on field day:
>
> Under bonus points #8 of field day rules it clearly states that for packet
> radio rule 7C is waived!! Rule 7C states no repeater contacts. Therefore the
> no repeater rule is not in effect for the packet station during field day. The
> same rules were in effect last year with the result being contest policemen
> tell you that QSO's digipeated thru them were no good so stop it.
> Repeaters on other modes are not allowed, PACKET is the exception!
>

Thanks for the clarification; I guess I fell victim to the "contest policemen" <shouldn't that be police-persons? :-) > without following up on my own.

I guess that's a lesson to be learned. Whenever someone tells you what "th facts" are, you should check it out anyway... no "sole sourcing"!

73 es GL in the contest! QRZ FD <stop that! it ain't time yet! :-) >

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                         !
 Bob West WA8YCD                !   "In order to accomplish the
 RLWEST@FLOPN2.CSC.TI.COM       !    impossible, you must attempt
                                !    the absurd!"
 P. O. Box  863069              !       -- Miguel de Animo y Jugo
 Plano Texas 75086              !
 (214) 995-1908                 !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

From -1798067862911202388
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,22b1d50989889b71,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 15:58:33 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!
XEROX.COM!"Joel_Rossbach.HENR801c"
From: "Joel_Rossbach.HENR801c"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Re Battery packs
Message-ID: <900607-120840-1696@Xerox>
Date: 7 Jun 90 18:56:24 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 41
Posted: Thu Jun 7 19:56:24 1990

Greetings,

I recently purchased a Yeasu FT 470, along with various accessories, at the Rochester, NY Hamfest. This HT was purchased, primarily, for my wife's use. We are quite impressed with the quality, features, and price.

Anyhow, about the battery pack, I have not had occasion to attempt to open the NiCad packs, as they are brand new. We have a pair of FNB-17 packs which may not be constructed similarly to the FNB-12. However, the FBA-17 Alkaline Cell Pack appears to be of the same external construction as the FNB-17 NiCad packs. I would expect that they probably open in the same general manner. The NiCad packs may be cemented together, but that may be a minor complication.

The FBA-17 is opened by gently prying up the tab between the rails on top of the pack then seperating the two halves from the top. There is an interlocking hinge at the bottom of the pack. Reassembly consists of mating the interlocking parts at the bottom and swinging the two halves back together until the top latch snaps.

I suspect that the FNB-17 could be opened in the same manner. There is a label between the top rails which covers what appears to be the same sort of locking tab as on the FBA-17. The FNB-17 may be cemented, hopefully not ultrasonically welded, together. If they are, a thin XActo knife may be usefull to gently seperate the seam, but be careful not to destroy the interlocking hinge at the bottom.

Hope the wordy information helps. I would recommend that the entior battery insert be replaced with one from a reputable supplier. The replacement of individual cells may appear to be financially prudent in the short term, but will probably result in the necessity to reenter the pack numerous times as the other cells die and the capacity will not be as great as with a new set of matched cells. Enough rambling!

Good Luck, 73,
Joel, N2EZV

```
From -6347659861617629546
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8ae0b42d1b9342cf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 16:23:59 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!ucbvax!HICKAM-EMH.AF.MIL!
1843eie
From: 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE")
Newsgroups: rec.ham-radio
Subject: USAF MARS
Message-ID: <9006072016.AA03271@uunet.uu.net>
Date: 7 Jun 90 20:13:47 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 41
Posted: Thu Jun  7 21:13:47 1990
X-Unparsable-Date: 7 Jun 90 10:14:00 GMT-10:00
```

INTEROFFICE MEMORANDUM

Date: 7-Jun-1990 10:11am HST
From: 1843EIG/EIE
1843EIE
Dept: 1843EIG/EIE

Tel No: 656-1158

TO: Remote Addressee   (_INFO-HAMS%UCSD.EDU@UUNET.UU.NET)
TO: Remote Addressee   (_INFOHAMS@UCSD.EDU)

Subject: USAF MARS

I couldn't get this to go thru on e-mail, so I'll post it, besides, someone else might be interested....

For N5LTL and N5NFQ:

USAF MARS Contact for Texas:

Edward P. Jones, AFF4TX
5638 Mona Lane
Dallas, TX 75236-1720

73, and thanks for your interest in the USAF MARS program,

```
-------------------------------------------------------------------------------
Jeff Miller, WD6CQV/KH6                |  "Just because I'm a Californian,
USAF MARS:  AFA8JM                     |     it doesn't mean I'm not an
Chief, Engineering Workload Control    |             American!"
1843 EIG/EIP                           |                 -- Agnes DiPesto,
Wheeler AFB, HI  96854-6348            |                   "Moonlighting"
Commercial: (808) 656-1226             |
AUTOVON: (315) 456-1226                |

Opinions?   Me?   On government time?   Ya gotta be kidding!

         USAF MARS: Providing the Reins of Command -- In an Emergency
-------------------------------------------------------------------------------
```

From -6116622363652933082
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f92aac733dcffee6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 16:34:24 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: EBS Recordings, etc.
Message-ID: <2390@anasaz.UUCP>
Date: 7 Jun 90 17:13:07 GMT
References: <9006071242.AA21383@decpa.pa.dec.com>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 20
Posted: Thu Jun 7 18:13:07 1990

In article <9006071242.AA21383@decpa.pa.dec.com> judice@sulaco.enet.dec.com
("Louis J. Judice") writes:
]
]The secondary stations, in the event of an emergency, tuned to one of the
]primary stations and rebroadcast it. The EBS equipment rack included
]tone detection, etc. and a specially packaged AM radio (not mil-spec, though,
]supposedly of lower quality than the cheapest auto AM radios).
]
]Primary stations would supposedly have the tapes "telling you what to do",
]as well as feeds from "official sources".

I worked at a secondary station (KANU-FM, Lawrence, Ks) in the late '60s.
We had the sealed envelopes and the authenticators. Our EBS warning was
given by detecting a carrier drop from a primary station. This would
cause our EBS receiver (an ordinary radio, that was rack mounted) to
go off. We had no standard method for rebroadcasting the primary.
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {asuvax,mcdphx}!anasaz!john john@anasaz.UUCP
Voice: (602) 951-9326 (day or eve)   FAX:602-861-7642 Advice: Long palladium,
USnail: 7525 Clearwater Pkwy, Scottsdale, AZ 85253   ......: Short petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From 8146378890756404244
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,692cfd0f4050c56d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 16:34:30 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!swrinde!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: PRO-200[4,5] Birdies
Message-ID: <2391@anasaz.UUCP>
Date: 7 Jun 90 17:16:37 GMT
References: <12120037@hpldola.HP.COM>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 32
Posted: Thu Jun 7 18:16:37 1990

In article <12120037@hpldola.HP.COM> paul@hpldola.HP.COM (Paul Bame) writes:
]
]I have a problem with birdies on my PRO-2004 and have seen this on other
]2004's and 2005's but it's not listed in the birdie table.
]
]They occur every 2MHz on the odd MHz at *.750 - that is, 453.750, 455.750
]and so forth. I've checked high and low freqs and it seems to be everywhere
]so I guess it's getting into an internal mixer or something. Since 453.750
]is a local police freqency this is a real problem.
]
]Anyone know where this comes from and/or how to fix it? I'm not shy about
]minor scanner hacking.

]
I can tell you where it comes from, but not how to fix it. You have
a strong signal coming in from a UHF station (I think channel 21). This
signal mixes with the 2nd LO. When the second LO is tuned to *.750,
the mix gets into the 2nd IF.

From memory, the frequencies involved are:
  1st IF 610-612 MHz (or was it 608-610). LO about 75 MHz lower.
TV station 75 MHz lower than that (you are hearing the audio subcarrier
of the TV which is always at a *.750 frequency).

I have the same problem, and am locate 15 miles from the UHF station.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {asuvax,mcdphx}!anasaz!john john@anasaz.UUCP
Voice: (602) 951-9326 (day or eve)   FAX:602-861-7642 Advice: Long palladium,
USnail: 7525 Clearwater Pkwy, Scottsdale, AZ 85253   ......: Short petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -8255981477562854515
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5eb792fc0a839e94
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,5eb792fc0a839e94
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-06-07 16:35:57 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!wuarchive!swbatl!ken
From: ken@swbatl.sbc.com (9081)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: TMS3450
Keywords: clock-chips silicon texas-instruments brain-death
Message-ID: <1569@swbatl.sbc.com>
Date: 7 Jun 90 21:00:12 GMT
References: <1990Jun7.141107.6790@bnrgate.bnr.ca>
Reply-To: ken@swbatl.UUCP (Ken Gianino 5-9081)
Organization: Southwestern Bell Tele. Co. - Advanced Technology Lab - St. Louis
Lines: 33
Xref: gmdzi rec.ham-radio:12046 sci.electronics:6974
Posted: Thu Jun 7 22:00:12 1990

In article <1990Jun7.141107.6790@bnrgate.bnr.ca> mleech@bcarh342.bnr.ca (Marcus Leech) writes:
>
>A couple of years ago I bought a Radio-Shack 24-hour digital clock
> with a *BIG* display.
>Radio-Shack stopped selling this beast, but a local discount
> store is offering a remarkably similar clock that only
> provides 12-hour display. It turns out that they both use
> the same display, and electronics--namely the TMS3450

```
>  clock chip.
>I tried to get information out of Texas Instruments on this chip,
>  but they steadfastly refused to acknowledge its existence.
>  The chips have the TI logo on them, and they use the TMS
>  numbering scheme characteristic of TI.
>Can anybody (TI, are you listening??) give me any information on this
>  chip--I would like to modify the twelve-hour version of the clock
>  to twenty-four.  I almost have it, but I need some info about the
>  chip.
>-----------------
>Marcus Leech, 4Y11             Bell-Northern Research  |opinions expressed
>mleech@bnr.ca                  P.O. Box 3511, Stn. C   |are my own, and not
>VE3MDL@VE3JF.ON.CAN.NA         Ottawa, ON, CANADA      |necessarily BNRs


    Here's a brief note about converting those 12 H LED clocks to 24 H. I
    was going to buy a Radio Shack 24Hr clock untill I noticed a local
    discount store had the exact same clock (less the 24/12Hr switch) for
    about $5. It didn't take too long to figure out the little solder pads
    for the options (12/24Hr and 50/60 Hz). Lo and behold, when I turned it
    on I discovered that the LED display had only enough segments for 18:88.
    They actually left the other led's off the display module! It does still
    work, though.

    Ken -WB0QNA-


From -2499597802815277954
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1c75e01dc8761df
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 16:40:23 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpl-opus!hpspdra!henryb
From: henryb@hpspdra.HP.COM (Henry Black)
Newsgroups: rec.ham-radio
Subject: Re: time for FCC to process a license application
Message-ID: <12280007@hpspdra.HP.COM>
Date: 7 Jun 90 15:06:46 GMT
References: <9006061536.AA12961@frisky.Franz.COM>
Organization: HP Stanford Park - Palo Alto, CA
Lines: 7
Posted: Thu Jun  7 16:06:46 1990

> Another data point for others waiting for the FCC:
And another data point for others waiting for the FCC:

My recent advanced class license took seven weeks, this was a
first (US) license, not an upgrade.
---------------------------------------------------------------------------
Henry Black   KK6JR, G4NOC  +1 415 857 6655   KK6JR @ WW6L.#NOCAL.CA.USA.NA
```

From -2439331520101588808
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,459adaf9adc7105b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 18:22:06 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!littlei!foobar!jim
From: jim@foobar.hf.intel.com (Jim Garver)
Newsgroups: rec.ham-radio
Subject: CB in GB
Keywords: english CB radio
Message-ID: <418@foobar.hf.intel.com>
Date: 7 Jun 90 17:28:50 GMT
Sender: news@foobar.hf.intel.com
Organization: - Intel Corp - Hawthorne Farms - Hillsboro, OR -
Lines: 12
Posted: Thu Jun 7 18:28:50 1990

I have obtained an FM CB radio at recent hamfest. It covers 26-28 Mhz in 40 channel steps, is powered by 240v. 50hz, and outputs about 4 watts of frequency modulated carrier. I intend to convert it to cover frequencies on or around 29.6 Mhz. It uses the Motorola MC145106 PLL chip.
The seller said it was a CB radio from England. Is this correct? Besides the wider band coverage, the FM aspect intrigues me. I wish it was this way in the U.S. Instead of all the heterodynes, imagine how peaceful a "silent pileup" might be.

```
--
Jim Garver     Intel Corp.   <tektronix!psueea | uunet!littlei>!foobar!jim
 WA7LDV     Hillsboro, Oregon              jim@foobar<.hf.intel.com|.uucp>
```

From -7967627808499160910
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3a44f2887631a6b5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 18:26:10 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!tut.cis.ohio-state.edu!rutgers!mcnc!duke!egr.duke.edu!dukee!jsm1
From: jsm1@dukee.egr.duke.edu (J Scott McCalmont)
Newsgroups: rec.ham-radio
Subject: Undocumented features in handhelds? WAS: ICOM IC24/AT...
Message-ID: <932@cameron.egr.duke.edu>
Date: 7 Jun 90 20:27:27 GMT
References: <1335@necis.UUCP>
Sender: news@egr.duke.edu
Lines: 23
Posted: Thu Jun 7 21:27:27 1990

From article <1335@necis.UUCP>, by rbono@necis.UUCP (NM1D):
>
> Here is some of the "interesting" information.   The so-called "modification"
> to enable the wide range RECEIVE ONLY frequency converage did NOT require
> any hardware changes to the unit.... (a FEW early units did require a diode

> to be removed)... simply hold down a few buttons when turning on the unit and
> keep them held until the unit is done with it's self test (Light-B-#).
>

Well, to be adventuresome, I tried the "light-B-#" on my IC-2SAT.
I didn't get wide-range receive coverage, but I did get ALL the
LCD segments to turn on right after I powered the rig up.
None of the other key combinations that NM1D noted seemed to have
any effect.

So, are the digital processors the same? Can these "software"
changes be applied to other Icom handhelds? Has anyone found
useful key combinations?

Scott
Scott McCalmont - N4YRP   (919) 660-5244
Department of Electrical Engineering   jsm1@dukee.egr.duke.edu
Duke University, Durham, NC 27706   ...mcnc!dukee!jsm1

From -6031587746405813061
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,45af65f2c1bbf4c1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 19:04:29 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
samsung!noose.ecn.purdue.edu!news
From: wb9omc@ea.ecn.purdue.edu (Duane P Mantick)
Newsgroups: rec.ham-radio
Subject: 24 hour clocks
Message-ID: <1990Jun7.222620.27929@ecn.purdue.edu>
Date: 7 Jun 90 22:26:20 GMT
Sender: news@ecn.purdue.edu (USENET news)
Organization: Purdue University Engineering Computer Network
Lines: 18
Posted: Thu Jun 7 23:26:20 1990

>>From: mleech@bcarh342.bnr.ca (Marcus Leech)
>A couple of years ago I bought a Radio-Shack 24-hour digital clock
>with a *BIG* display.
>Radio-Shack stopped selling this beast, but a local discount

It might interest you to know that radio shack DOES still have such
a clock available - the model number is 63-805B. It has switch selectable
24 time, a battery backup (it is 110volt powered), and 1.8" red
LED's. I know - I just bought one today. Cost was very reasonable,
about $22.

This is not just an old one either, because the manual in the box
has a 1989 date on it. I suggest that you go back to your local shack
and holler....although I don't know if Canadian shacks sell different
stuff. I think you said you were from Canada, right? If so, perhaps
a trip across the border would be well advised.

Duane WB9OMC

From -6234533541642604247
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c021dc625fa81bf2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 19:21:18 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Field Day rules in re "packet QSO"
Summary: digi QSOs OK
Message-ID: <813@ssc.UUCP>
Date: 7 Jun 90 15:26:49 GMT
References: <9006041551.AA24213@ti.com>
Organization: very little
Lines: 18
Posted: Thu Jun 7 16:26:49 1990

In article <9006041551.AA24213@ti.com>, rlwest@flopn2.csc.ti.com (Bob West, WA8YCD) writes:
>
> Unless the rules have changed from last year, NO, BBS and DIGIPEATER
> contacts DO NOT COUNT. Only direct connects.

While the FD rules don't allow voice repeater QSOs, they specifically
allow DIGIPEATED QSOs. I assume that this includes THEnet and Net/ROM
repeated contacts.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 6658322768322670460
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,459adaf9adc7105b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 19:29:51 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: CB in GB
Message-ID: <30500566@ux1.cso.uiuc.edu>
Date: 7 Jun 90 21:37:00 GMT

References: <418@foobar.hf.intel.com>
Lines: 17
Nf-ID: #R:foobar.hf.intel.com:418:ux1.cso.uiuc.edu:30500566:000:957
Nf-From: ux1.cso.uiuc.edu!phil   Jun 7 16:37:00 1990
Posted: Thu Jun 7 22:37:00 1990

> I have obtained an FM CB radio at recent hamfest. It covers 26-28 Mhz
> in 40 channel steps, is powered by 240v. 50hz, and outputs about 4 watts
> of frequency modulated carrier. I intend to convert it to cover frequencies
> on or around 29.6 Mhz. It uses the Motorola MC145106 PLL chip.
> The seller said it was a CB radio from England. Is this correct? Besides
> the wider band coverage, the FM aspect intrigues me. I wish it was this
> way in the U.S. Instead of all the heterodynes, imagine how peaceful a
> "silent pileup" might be.

As FM gets narrower and narrower, the stronger station has to be stronger
and stronger to capture the receiver. At some point it cannot be done.
While FM with the deviation we use is certainly better than AM, it also
comes from a tradeoff of bandwidth.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 8306163114928074783
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,47756765c799a2ca
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 19:57:52 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!hpcuhb!hpindda!genem
From: genem@hpindda.HP.COM (Gene Marshall)
Newsgroups: rec.ham-radio
Subject: Re: specific 73 magazines needed--HELP!!
Message-ID: <5120010@hpindda.HP.COM>
Date: 7 Jun 90 16:51:26 GMT
References: <30533@cup.portal.com>
Organization: HP Information Networks, Cupertino, CA
Lines: 15
Posted: Thu Jun 7 17:51:26 1990

/ hpindda:rec.ham-radio / Justin_Randall_Padawer@cup.portal.com / 9:35 pm Jun 4, 1990 /
> I desperately need these four 73 magazines. I would be willing to
> photocopy what I need and return them at my expense, reimbursing
> any postal costs. Will someone please help me? Please email.
> The four needed 73 mags (ALL 1989, last year)... April, June, Aug., Nov.
> Thanks.
> Internet: Justin_Randall_Padawer@cup.portal.com

I will double check tonight, but am sure I must have these. Let me know
if you still need them. I don't want to pack them all up if you will already

be getting them from somewhere.

73 es ttul,
Gene - AA6IY
San Jose, CA

From 1676974119836477643
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b5b90037feaae26,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-07 22:35:28 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpfcso!hpfcdc!richard
From: richard@hpfcdc.HP.COM (Richard Artz)
Newsgroups: rec.ham-radio
Subject: My own funky call
Message-ID: <7880150@hpfcdc.HP.COM>
Date: 8 Jun 90 05:35:28 GMT
Organization: HP Ft. Collins, Co.
Lines: 13
Posted: Fri Jun 8 06:35:28 1990

Hello all,
I had this feeling that today would be the day, so I ran home at lunch
and, sure enough, my new Tech ticket was in the mailbox. Back at work, I
showed my boss (not a ham but a comic) and he stared at it awhile and said,

"Oh, no lazier than you, huh?"

My new call is N0LZR

I guess someone will soon be a N0MAD (nomad)

Richard Artz   / N0LZR (formerlly KB0GMO/KT) /   richard@hpfcww.fc.hp.com
Hewlett-Packard / MS11 / 3404 E. Harmony Road / Fort Collins, CO 80525-9599

From -2423427305269288057
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eda307ef0622b7f7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-08 01:52:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucselx!
crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley)
Newsgroups: rec.ham-radio
Subject: Phone line low voltage and poor audio problem
Message-ID: <3043@crash.cts.com>
Date: 8 Jun 90 04:36:03 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 49

Posted: Fri Jun 8 05:36:03 1990

I been going around and around with Pacific Telephone with a nebulous "low audio level" problem and have'nt got it fixed yet in 3 attempts over the last few months.

I have a repeater autopatch and personal phone lines comming into my residence. Both lines are sitting at 17-22 volts on-hook and 4.4-4.6 volts off-hook using a Western Electric model 2500D telephone set (standard TT desk phone). My understanding of the phone system is limitted but I would expect to have 45-51 volts at the service block. I called the 611 repair to complain about this low audio problem. The rep called back and told me that I have a short on my inside wiring. So I removed the modular plug from the service block (this removes the inside wiring form the incomming service line) and took my 2500D set outside to the service block and made the following measurements:

line 1: off-hook 4.33 volts @ 23.7 mA = .1026 watts

line 2: off-hook 4.28 volts @ 23.9 mA = .1023 watts

I checked the on-hook voltage at a neighbors residence and it was 46.3 volts. I called a friend in a distant community and he had 51.2 volts/51.5 volts and 10.6 volts/10.6 volts on his 2 lines on-hook/off-hook. These 3 lines appear to be normal.

The service rep response to this voltage comparison was that "the company doesn't gaurantee the line voltage. I said that some of my jap track phones (line powered) won't dial and decode properly on my lines but work fine at other residences. She said that she would have a tech respond but that it would cost $35 min if the fault were mine. I said that the situation was unacceptable and send 'em out.

Well, a few hours later, my wife gets a call from a different person saying that the problem was a faultly splice. That everything was fine now. No one ever came to our house. As I had left for work, I heard about this later. I rechecked the 2 lines again, both were still at 22 volts. It appears that the bad splice (singular) had no effect and the audio on both lines is still poor.

The (unknown) rep called the following day and left a msg on the recorder asking if our phone was OK now. Did'nt leave a name/number. So problem is not resolved.

Any thoughts or hints on how to prod a big baby bell into some real service?

```
**************************************************************************
Mike Shirley,  WB6WUI        INET: mikey@pnet03.cts.com
PO Box 460                   ARPA: crash!pnet03!mikey@nosc.mil
Lakeside, CA  92040-0460     UUCP: {hplabs!hp-sdd nosc}!crash!pnet03!mikey
**************************************************************************
```

From 8813305999070928710
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,221c006cdc83223f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-08 02:48:54 PST
Path: gmdzi!unido!mcsun!uunet!stretch.cs.mun.ca!leif!rockwood
From: rockwood@kean.ucs.mun.ca
Newsgroups: rec.ham-radio
Subject: California Help Needed....Thanks!!
Message-ID: <93998@kean.ucs.mun.ca>
Date: 8 Jun 90 09:48:54 GMT
Organization: Memorial University. St.John's Nfld, Canada
Lines: 13
Posted: Fri Jun 8 10:48:54 1990

To all who took the time to reply to my request for information
on repeaters Northern Cal., a million thanks. I was swamped with
replys on repeaters, and advice on Ham Radio Stores in the
area. There was a lot of advice and information given which
seemed to be common to almost all who replied.
The one thing I will miss while I'm in California in the
monthly flea market. I'll be in L-A at that time. However, on
the other side of the coin I will be in the Disneyland area
during their special On-Air event commemorating the 35th
anniversary.
Again many tnx for the info, and C U on 2 in June and July.
73,
Art VO1AX

From 485650212460997335
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d56b559618997f08
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-08 06:16:39 PST
Path: gmdzi!unido!mcsun!uunet!apctrc!gpss5!zslf0a
From: zslf0a@gpss5 (Steven L. Farmer)
Newsgroups: rec.ham-radio
Subject: Re: IRC prices
Message-ID: <1702@apctrc.UUCP>
Date: 8 Jun 90 13:16:39 GMT
References: <1832533@MTS.RPI.EDU> <1990May31.033156.12240@cbnewsk.att.com>
<37516@genrad.UUCP>
Sender: news@trc.amoco.com
Organization: Amoco Production Company, Tulsa Research Center
Lines: 24
Posted: Fri Jun 8 14:16:39 1990

In article <37516@genrad.UUCP> dls@genrad.UUCP (Diana L. Syriac) writes:
>
>....I just asked our post office....they told me they cost 90 cents. Wouldn't
>they cost the same at ALL US post offices????? I'm confused....

Well, they're 95 cents here in Tulsa, so maybe its really your post office that is confused. Unfortunately, an airmail reply from most countries takes 2, 3 or even 4 irc's. There is a table in the Callbook with this information. Since a greenstamp appears to be convertible to first class airmail postage *almost* everywhere, that's what I use. In some countries though, its illegal for the residents to have foreign currency. To be on the safe side, I check the 'Greenstamp Guide' published by DX QSL Associates first. It lists countries where greenstamps are ok. DX QSL Associates also sells 'European' airmail envelopes and foreign stamps. The prices seem a little high, but you don't need a big supply of either. I've been having very good returns on Soviet QSL's using the appropriate stamps, with some cards coming in only 30 days after the QSO. I don't stock up on stamps though - postal rates change more often in some parts of the world. I recently received a card from Cyprus and the op had added stamps beside mine. Fortunately, I had included a 'cheap' irc as well - I *really* needed a 5B card ;-) Rarely, a country is is not listed in either the Callbook irc table or the 'guide' (9Y Trinidad comes to mind). In that case, I stick to ircs.

73's - Steve WA5RPF

From 5869794217398350826
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b58db6526c181660
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-08 08:36:17 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpcc01!hp-ptp!bmp
From: bmp@hp-ptp.HP.COM (Brian Perkin)
Newsgroups: rec.ham-radio
Subject: Re: 2M antenna ideas for Dodge caravan wanted
Message-ID: <2700010@hp-ptp.HP.COM>
Date: 7 Jun 90 23:51:19 GMT
References: <577@mtune.ATT.COM>
Organization: HP Pacific Technology Park - Sunnyvale, Ca.
Lines: 11
Posted: Fri Jun 8 00:51:19 1990

I have a low door and have two glass mounts on the back window of my Subaru wagon. The 2M element is mounted at the bottom of the back window, which is slanted, so the element stands away from the glass, completely vertical. The Larsen whips are pretty flexible and take a lot of abuse. SWR is less than 2:1 although the 2 whips affect each other. I regulary hear the tips of the whip scraping on my garage door as I drive under it. I get about a year life out of the whip, although I haven't worn one out yet, just done something stupid instead.
Brian Perkin
N6RSW

From 8836897028411256946
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,44a853bfb27dfb3c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-08 08:43:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!attcan!telly!lethe!torsqnt!tmsoft!masnet!canremote!greg.trice
From: greg.trice@canremote.uucp (GREG TRICE)
Newsgroups: rec.ham-radio
Subject: RECEIVER
Message-ID: <79e293caa7ff266fe3a4@canremote.uucp>
Date: 8 Jun 90 15:43:00 GMT
Organization: Canada Remote Systems Limited, Mississauga, ON, Canada
Lines: 12
Posted: Fri Jun 8 16:43:00 1990

I'm looking for a receiver with the following specs. If they seem a little unusual, it's because it's not for communication, but rather used in connection with magnetic resonance experiments.

  Frequency coverage 100-1000MHz (continuous, not channelized)
  Bandwidth adjustable from 500Hz to 50kHz (can be in steps)
  Must have bfo (signals are akin to cw transmissions)
  Sensitivity of 0.5uV
  Ability to withstand 1000V pulses on input without blocking or damage.
  The receiver will operate in an environment of very high EMI including huge pulsed magnetic fields.

If nothing like this exists on the market I will design and build one, but I'd prefer to buy.

From 8646335873144018785
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fb7a4904944e6a31,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,fb7a4904944e6a31,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-06-08 09:28:00 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!haven!adm!abc
From: abc@adm.BRL.MIL (Brinton Cooper)
Newsgroups: rec.ham-radio,rec.ham-radio.swap
Subject: Yaesu Model Number Needed
Keywords: FT-208/R, power supply
Message-ID: <23576@adm.BRL.MIL>
Date: 8 Jun 90 14:19:26 GMT
Followup-To: rec.ham-radio.swap
Organization: Ballistic Research Laboratory
Lines: 17
Xref: gmdzi rec.ham-radio:12058 rec.ham-radio.swap:452
Posted: Fri Jun 8 15:19:26 1990

Please, does someone have the model number for the mobile charger/power suply for the Yaesu FT-208/R, 2 Meter handheld transceiver? Mine was stolen from last week. I am trying to locate another one and don't even know what to ask for.

Incidentally, if you have one which you'd like to sell, please contact
me.

Thanks

_Brint Cooper
K3IIS
<abc@brl.mil>
301-879-8927

--
_Brinton Cooper   BRL - Where "Research" is our Middle Name.

From 8795485512618684115
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,157892cceab51a90,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-08 14:12:09 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rice!uw-beaver!ubc-cs!alberta!dvinci!weyr!katz
From: katz@weyr.FIDONET.ORG (SYLVAN KATZ)
Newsgroups: rec.ham-radio
Subject: Teletype Station at 14.024 MHz
Message-ID: <693.266FE89F@weyr.FIDONET.ORG>
Date: 8 Jun 90 16:34:42 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 15
Posted: Fri Jun 8 17:34:42 1990

[NOTE: Message modified, SYLVAN KATZ, 08 Jun 90 10:35:14]
Does anyone know if the teletype station that has been continuously
transmitting at 14.024 MHz is a commercial station. From this QTH
the signal seems to come from over the pole (beam heading a little
west of north). I can hear the transmission 24 hours a day and the
signal is S9 at this location even when there are no openings to
europe. My QTH is about 250 miles north of the North Dakota/Canada
border.

--
Sylvan Katz   Ham: VE5ZX
203 Ball Crescent   UUCP: alberta!dvinci!weyr!katz
Saskatoon, Sask   Internet: katz@weyr.FIDONET.ORG
Canada S7K 6E1   Ham bands: below 14.025/21.025/28.025 @ 0100-0300Z
(306) 934-3168

From 1952874637460343085
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8ec2d8222f9c262,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-08 14:14:51 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!

HAMSTER.BUSINESS.UWO.CA!mark
From: mark@HAMSTER.BUSINESS.UWO.CA ("Mark Bramwell")
Newsgroups: rec.ham-radio
Subject: tm 731 mods
Message-ID: <9006081606.AA20745@ria.ccs.uwo.ca>
Date: 8 Jun 90 17:06:26 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: <watmath!ria.ccs.uwo.ca!Hamster.Business.UWO.CA!Mark@uunet.UU.NET>
Organization: The Internet
Lines: 51
Posted: Fri Jun 8 18:06:26 1990

Someone requested TM731 info....

>Date: 16 Sep 89 11:26
>Message-ID: <7602@VE3WZL>
>From: VE3WZL@VE3WZL
>To: ALL@VE3GYQ
Subject: TM-731A RPTR & OUT-OF-BAND MODS
Path: N8HTG!VE3WZL

Thanks to the efforts of our local technical wizard, Bob VE3GVD, we now have the secret to making the new Kenwood TM-731A do the same fancy tricks that its sister rig the TM-721A did. Here is how it's done:

1) Remove the top and bottom covers, and take out the screws that will allow the front panel assembly to swing down.

2) With the rigs front facing you and the top side up, locate R 121 and R 125 which are both immediately to the left of the lithium battery.

3) Using a low wattage iron and tweezers, remove R 121 which is about the seven o'clock position with respect to the battery and reinstall it in the blank position designated for R 125 which is about the eight-thirty position with respect to the battery.

4) Now locate R 25 on the back of the circuit board that is attached vertically to the main chassis. (It's the board behind the front panel when the panel is folded up) Carefully un-solder and lift off the grounded end.

That completes the mod. Having a service manual, or at least a board layout will assist you in locating the components. It will be neccessary to do a reset on the microprocessor as described in the user manual after doing the mods described.

For those curious as to what does what, removing R 121 enables the repeater cross-band function, and the adding of R 125/removal of R 25 enables the out-of-band features.

73, Weazle, VE3EAR @ VE3WZL.ON.CAN.NA

```
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Mark Bramwell, VE3PZR                Located in sunny London, Ontario

Internet: mark@hamster.business.uwo.ca  IP Address: 129.100.22.100
  Packet:  VE3PZR @ VE3GYQ               UWO Phone: (519) 661-3714


From 5811835631729246537
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2edfc12f80876764,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 10:41:14 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
ncar!tank!mimsy!mojo!chuck
From: chuck@eng.umd.edu (Chuck Harris)
Newsgroups: rec.ham-radio
Subject: I need Manuals
Message-ID: <1990Jun4.160718.21321@eng.umd.edu>
Date: 4 Jun 90 16:07:18 GMT
Sender: news@eng.umd.edu (The News System)
Organization: College of Engineering, Maryversity of Uniland, College Park
Lines: 14
Posted: Mon Jun  4 17:07:18 1990

Hi gang!
     I am looking for a couple of manuals for some equipment that I own:

     1) Systron Donner 6057 Microwave Freq. Counter.
     2) Systron Donner 7244A System DVM
     3) Dana 6900 Digital Multimeter.

If anybody has a copy of any of these manuals that I can borrow/buy, please
let me know.

     Thanx,
          Chuck Harris - WA3UQV
          chuck@eng.umd.edu
          (301)490-7443


From 4947925093828458051
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16d9f08f560aebaf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 10:41:47 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
```

Subject: Re: EBS Nuclear Announcement
Message-ID: <30500563@ux1.cso.uiuc.edu>
Date: 4 Jun 90 15:08:00 GMT
References: <9006032356.AA15701@ucsd.edu>
Lines: 23
Nf-ID: #R:<9006032356.AA15701@ucsd.edu>:-29:ux1.cso.uiuc.edu:30500563:000:1120
Nf-From: ux1.cso.uiuc.edu!phil   Jun 4 10:08:00 1990
Posted: Mon Jun 4 16:08:00 1990

> Some of the DD's there said they dont want to know what they say... but
> I still want to know, heck, if yer nuked your nuked.... what doesit matter
> if you know the announcemnt ahead of time! I asked some more authoritative
> people at the station if i could listen to one of the "carts" in an isolated
> room sometime and was told "No.".

Never never never ask first. They will ALWAYS just say "NO" when there is any doubt whatsoever, and there always is some. Just go ahead and do it and ask for forgiveness later.

[BTW, this also applies to asking they FCC if "it" is illegal]

> Does anyone out there know what these say? If so could you email me
> what is says, or is that illegal somehow?? WHATEVER YOU DO... Dont reply with
> the actual message to the net!!!!!

Sure, go ahead and post it after you listen to it, unless the cart begins with a COPYRIGHT NOTICE :-)   I doubt if it is copyrighted, so feel free to make duplicates and all that.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 2568075086657186176
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f1e5aa1d4fb846da
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 10:41:49 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!cica!iuvax!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: 2m/70cm Repeaters
Message-ID: <30500564@ux1.cso.uiuc.edu>
Date: 4 Jun 90 15:10:00 GMT
Lines: 8
Nf-ID: #R:<5A06010A2E14019A-MTABWIDENER*DX:-45:ux1.cso.uiuc.edu:30500564:000:387
Nf-From: ux1.cso.uiuc.edu!phil   Jun 4 10:10:00 1990
Posted: Mon Jun 4 16:10:00 1990

There are in fact networks of repeaters linked together. He may have been operating through such a network. Also, the new dual-band radios have a repeater feature that allows cross-band repeater (fun to try, boring after a while).

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 701845364626953761
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61925a37eb8c1086,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,61925a37eb8c1086,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-06-04 11:04:02 PST
Path: gmdzi!unido!mcsun!uunet!samsung!rex!rouge!pc!jpd
From: jpd@pc.usl.edu (jpd DugalJP)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: G3RUH's FT736R mods for 9600 baud
Message-ID: <9442@rouge.usl.edu>
Date: 4 Jun 90 17:23:58 GMT
Sender: anon@rouge.usl.edu
Followup-To: rec.ham-radio
Organization: Univ. of Southwestern La., Lafayette
Lines: 91
Xref: gmdzi rec.ham-radio:11967 rec.ham-radio.packet:2322
Posted: Mon Jun 4 18:23:58 1990

Originated From: G3RUH 90/05/28 22:51 Msg# 184

FT736 & 9600 Baud Operation

by James Miller G3RUH

These notes tell you where to get FM RX audio direct from the discriminator, and where to modulate the FM TX varactor directly. These mods are non-destructive and take no more than a few minutes. The signals bypass the "DATA SOCKET" for high grade FM operations.

The RX mod is suitable for:

- UOSAT-D 9600 baud downlink and terrestrial links
- 1200 baud AFSK/FM Standard Packet - BUT IT'S UNSQUELCHED.

The TX mod is suitable for:

- FO-20/PACSAT uplink (1200 bps Manchester FM)
- UOSAT-D 9600 baud uplink direct FSK and terrestrial links
- 1200 baud AFSK/FM Standard Packet.

---*****---

FT736 - FM Direct from Discriminator

Detected FM direct from the receiver discriminator is available from the RX UNIT at the junction of R91 and C83. These components are shown in the top right-hand corner of the schematic.

Proceed thus:

1. Disconnect FT736 from the mains electricity. (Safety).
2. Remove top cover only.
3. RX Unit is the vertical module on the left.
4. Locate R91 which is about 25mm from the top, 50mm from the radio rear. the resistor is "on-end", and near a couple of glass diodes.
5. Scrape any paint off R91's free end and wet with solder.
6. Your RXaudio lead should be a fine screened cable; connect the inner to R91, and the outer braid to a ground point (e.g. can of TO09)
7. Route the cable out though any convenient aperture in the case.
8. The discriminator sensitivity (FM Normal) as about 6 kHz/volt.

Important note on 9600 Baud Use

Most FT736 receivers are fitted with an LFH12-S IF filter for FM. (CF01 at the top front of the RX Unit). This is a 12 kHz bandwidth filter which is a little narrow for 9600 bps FSK operation. It is recommended you change this to 15 kHz or better still for UOSAT-D use, 20 kHz bandwidth which will allow more tolerance for doppler shift, and give a far better "eye". Suitable filters are: LFH-15S or CFW455E, and LFH-20S or CFW455D. The first of these is a Yaesu spare part, and is often already fitted. Try the standard first and see what happens; these filters have moderate part to part variations.

---***---

FT736 DIRECT VARACTOR FM MODULATION

Refer to the circuit diagram; inject your TXaudio at the junction of R32/C29 on the TX Unit. The signal level at this point should be 800 mV peak-peak, and will give +/- 3 kHz deviation. DO NOT EXCEED THIS LEVEL. Set Mic Gain to min.

Modulating the FM transmitter this way you get an LF response down to 18 Hz (at which point the associated synthesiser PLL begins to track the modulation), and an HF response which is flat to some 10 kHz.

Proceed thus:

1. Disconnect FT736 from the mains electricity. (Safety).
2. Remove top cover only.
3. TX Unit is the module flat on the left (not the one tucked down the side vertically).
4. R32 is just to the left of the rectangular shielded enclosure. The resistor is "on end". Scrape any paint off the free leg.
5. Your TXaudio lead should be a fine screened cable; connect the inner to R32, and the outer braid to the adjacent enclosure.
6. Route the cable out though any convenient aperture in the case.

```
 7a. 1200 BAUD G3RUH PSK MODEM: TXAudio of 800 mV pk-pk can be obtained by
     adjusting the components C9= 1uf, R3=47k, R5=infinity (i.e. remove).
     C10 stays at 10nf (0.01uf).

 7b. 9600 BAUD FSK MODEM: Adjust TXAudio level with VR1

 Notes compiled by G3RUH @ GB7SPV 1990 Mar 16
--
-- James Dugal,   N5KNX         Internet: jpd@usl.edu
Associate Director     Ham packet: n5knx@w5ddl
Computing Center       US Mail: PO Box 42770  Lafayette, LA  70504
University of Southwestern LA.   Tel. 318-231-6417  U.S.A.


From 8672763169115023778
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55421db7ca9ec78b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 11:06:58 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!sdd.hp.com!ucsd!ucbvax!
flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: RE:  EBS MESSAGES
Message-ID: <9006041832.AA27821@ti.com>
Date: 4 Jun 90 18:06:58 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 31
Posted: Mon Jun  4 19:06:58 1990


I forwarded your message about EBS messages to some folks here...

> From:  SKVAX1::PANZER       "I survived the 1750A"  4-JUN-1990 12:44:44.54
> To:    FLOPN2::RLWEST
 re-forwarded to INFO-HAMS
>
> Back in the late 60's? there was the famous incident I actually heard on my
> car radio while traveling in Michigan where the a glitch occurred during on of
> those "tests of the EBS". Apparently, some airman at Cheyenne Mountain who's
> on the other end of the tests, played the wrong tape. Instead of the familiar
> "This is a test of the EBS. For the next 30 seconds we will conduct ..." with
> a long beep, it came on "This is the Emergency broadcast system. All
normalprogramming will now be discontinued. Standby for civil defense information
> from the EBS." (or words real close to that). I had the Dow Chemical complex
> in Midland right behind and was watching my rearview for bright flashes. It
    (Midland, Texas)
> caused a real mess because some radio stations went off the air for a while
> like they were supposed to and others figured quickly it must be a mistake and
> went right back to normal programming. So at least I heard that part of the
> actual EBS messaging. Yes, it can be scary.
```

```
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
 73, de                          !
 Bob West WA8YCD                 !   "In order to accomplish the
 RLWEST@FLOPN2.CSC.TI.COM        !    impossible, you must attempt
                                 !    the absurd!"
 P. O. Box  863069               !       -- Miguel de Animo y Jugo
 Plano Texas 75086               !
 (214) 995-1908                  !
 === * * * ===    === * * * ===    === * * * ===    === * * * ===
```

From -149048875614049100
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5168ee85d060d888,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 11:44:52 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Whatever you do, don't post this to the net..."
Message-ID: <9006041850.AA28196@ti.com>
Date: 4 Jun 90 18:44:52 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Mon Jun 4 19:44:52 1990

It has been reported that an alien vessel has landed near Hamtramck, MI. This event closely followed the mysterious disappearance of all orbiting AMSAT satellites. Pointing smoking lasers at the population, the aliens demanded to know the way to the satellite launch site, and said that, due to a malfunction in their ILS, they missed their PIL by "a few hundred" miles.

Oh, heck! I wasn't supposed to post this to the net.......

:)

Dube Todd   N5PDK

From -1257847949087162318
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1e519fd5a4e3ef16,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 13:10:39 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpccc!hpcc01!hpcuhb!hpda!hpcupt1!holly
From: holly@hpcupt1.HP.COM (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Tower help

Message-ID: <7120124@hpcupt1.HP.COM>
Date: 4 Jun 90 20:10:39 GMT
Organization: Hewlett Packard, Cupertino
Lines: 15
Posted: Mon Jun 4 21:10:39 1990

I am planning to install a tower and have interest in the Aluma Tower T-40H from the Aluma Tower Company in Vero Beach,Fl. There are no local dealers where I can go "kick the tires" so I would appreciate comments from owners of these towers. Comments on quality, installation problems, permit problems, any problems on weathering, problems on raising/lowering the tower, would you buy again, how long you have had the tower, and the like, both pro and con, would be appreciated. In the area of installation and permits, comments on what you would do different next time would also be appreciated. Also if you have owned other towers and have comparision comments I would appreciate these.
73's
Jim, WA6SDM @ N6LDL
jholly.hpcupt1.hp.com
405-447-0725 work
408-923-4074 home

From -2636716663107927175
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56fbd4c54adf26bf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 13:28:45 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!usc!ucsd!ucbvax!HAMSTER.BUSINESS.UWO.CA!mark
From: mark@HAMSTER.BUSINESS.UWO.CA ("Mark Bramwell")
Newsgroups: rec.ham-radio
Subject: MOD FILE: ts790a
Message-ID: <9006041928.AA21802@ria.ccs.uwo.ca>
Date: 4 Jun 90 20:28:45 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Reply-To: <watmath!ria.ccs.uwo.ca!Hamster.Business.UWO.CA!Mark@uunet.UU.NET>
Organization: The Internet
Lines: 151
Posted: Mon Jun 4 21:28:45 1990

==

I received this in the mail so I am posting it to the net.

x---- cut -----x

CROSS BAND REPEATER MOD

To operate the TS790A in the repeater cross band mode,diode D32 on the control board must be opened.In addition,two resistors must be soldered to a 13 pin din plug which will be connected to the ACC. 2 jack on the back panel of the transceiver.

TO LOCATE AND OPEN D32

1 Disconnect the power supply and antenna from the radio.

2 Remove the 14 screws that secure the top and bottom covers.

3 Carefully remove the top and bottom covers.

4 Locate the control board. this is a vertically mounted board that is positioned approximately 1 inch behind the front panel.

5 Locate diode d32 towards the top right side of the board.

6 Using a small pair of wire cutters,cut the lead of the diode. do not pull on the lead or the diode as this may tear the foil on the other side of the board.

7 assemble the radio by reversing steps 1-3.

13 PIN DIN PLUG CONFIGURATION.

1 Using a small flat blade screwdriver,lift up on the tab of the nylon cover.

2 Once the tab clears the slot of the metal holder,pull the cover off the plug.

3 Carefully separate the two metal holders and remove the pin assembly.

4 First tin pins 1,8 and 11 of the assembly so the resistors can easily be soldered in place.

5 SOLDER A 100K ohm,1/4 watt resistor between pins 1 and 11 of the assembly (the resistor leads should be cut and shaped before soldering).

6 Solder a 1.5K ohm,1/4 watt resistor between pin 8 and the lead of the 100K ohm resistor that is attached to pin 11.(the resistor leads should be cut and shaped before soldering)

7 Wrap a small piece of electrical tape around the resistors.This will insulate them from the metal holder after the plug is assembled.

8 Mount the pin assembly in the two metal holders.

9 Slide the cover over the plug until the tab engages in the slot. The "U" shaped strain relief will not be used.

10 Plug the 13 pin din plug in the ACC2 jack on the back panel of the radio.

OPERATING PROCEDURES

The repeater cross band operation allows the TS790A to receive on one band and re-transmit the signal on the other band. Incoming signals will automatically be switched to the sub band.The TS790A will then re-transmit the signals from the main band. Each band may contain offset and sub-audible tone information (an optional TSU-5 must be installed in EACH BAND for decode).

1 Press the MAIN function swich to select the MAIN band.

2 Select the first operating frequency and mode (fm only).Select the offset as required.

3 If the CH.Q is on,press the CH.Q switch to turn the function off.

4 Select the sub-audible tone as required .

5 Transfer the contents of the MAIN band to the SUB band.

6 Select the second operating frequency anf mode (FM ONLY) and turn the CH.Q off.

7 Select the offset and sub-audible tone as required.

8 Adjust the MAIN and SUB band squelch controls to the threshold point.The TS790A will transmit in the repeater crossband mode if the squelch controls are set too low or a signal is received.

9 Adjust the power control to allow normal output power from the MAIN band.

10 Adjust the sub band volume control to a normal listening level to monitor incoming signals.

11 To place the radio in the repeater cross-band mode,press the F. switch and then press the M.IN switch. An asterisk will light in the MAIN band display for confirmation.

12 To cancel the operation,repeat step 11 and disconnect the DIN plug.

13. If the DIN plug is left in place after use,bleedover from the SUB band audio if present will be mixed with any transmitted audio. This will make your audio during a conversation hard to understand.

TSU-5 TONE UNIT

When the TSU-5 tone units are not installed,only the tone (encode) function can be used.
If CTCSS is to be used it must be installed in both bands to function with the cross-band repeater mode.

TX AUDIO ADJUSTMENT

The audio gain can be adjusted by variable resistor VR36 on the IF unit.

If the range of VR36 does not suffice for normal transmit audio,the values of the resistors on the 13 pin din plug can be changed.
as an example,if the audio is too low,reduce the value of the 100K ohm resistor and increase the value of the 1.5K ohm resistor.

TO ACCESS VR36

1 Remove the bottom cover of the radio to expose the IF unit.

2 locate VR36

3 Use a plastic alignment tool to adjust VR36 for normal TX audio.

4 After the audio is adjusted,install the bottom cover.

73 AND HAPPY MODING

CARL

packet: VE3ZCO@VE3GYQ BBS

Internet: VE3ZCO@ardsley.business.uwo.ca

```
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Mark Bramwell, VE3PZR                Located in sunny London, Ontario

Internet: mark@hamster.business.uwo.ca  IP Address: 129.100.22.100
  Packet:  VE3PZR @ VE3GYQ               UWO Phone: (519) 661-3714
```

From -2734281230003679089
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8380dd56752c9d26,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 13:29:40 PST
Path: gmdzi!unido!mcsun!uunet!fernwood!decwrl!shlump.nac.dec.com!decuac!haven!udel!wuarchive!usc!ucsd!ucbvax!HAMSTER.BUSINESS.UWO.CA!mark
From: mark@HAMSTER.BUSINESS.UWO.CA ("Mark Bramwell")
Newsgroups: rec.ham-radio
Subject: MOD FILE: alr22t
Message-ID: <9006041929.AA21821@ria.ccs.uwo.ca>
Date: 4 Jun 90 20:29:40 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Reply-To: <watmath!ria.ccs.uwo.ca!Hamster.Business.UWO.CA!Mark@uunet.UU.NET>
Organization: The Internet
Lines: 76
Posted: Mon Jun 4 21:29:40 1990

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I received this in the mail so I am posting it to the net.

x----- cut ------x

EXTENDED FREQUENCY RX AND TX OF THE ALR22T & ALR22HT
ALINCO 2 METER RADIOS.

BEWARE OF ANY STATIC WHEN WORKING WITH THIS RADIO !!!

1 Remove the top and bottom covers of the radio.

2 Remove the 4 screws that hold the front panel assembly to the main chassis.

3 Pull front panel away from the main chassis very gently.

4 Locate the Volume\Squelch pot on the left side of the radio.

5 Locate the VFO control on the left side of the radio.

6 Between the two above units is an IC that runs vertically between the two units. (ONLY THE 12 PINS OF THE IC ARE SEEN FROM THE BACK)

7 After locating the IC locate 3 sets of unsoldered jumper pads between the IC pins.

8 Make a solder bridge between the top 2 pads,then the middle 2 pads,then between the bottom 2 ONLY of the bottom set of 3 pads.

REAR VIEW OF FRONT PANEL

```
    / ------\  12 PIN   O  *  O                        /---------\
   / VOLUME  \  IC ->      |<-SOLDER BRIDGE           /           \
  / CONTROL   \         O  *  O                      /             \
 /             \                                    /     VFO       \
 \             /        O  *  O                      \  CONTROL     /
   \         /             |<-SOLDER BRIDGE           \           /
     \-----/            O  *  O                        \--------/

                        O  *  O
                           *  DO NOT SOLDER THE TOP PAD
                        O  |< O   OF THESE 3 PADS
                           * \SOLDER BRIDGE HERE
```

9 RE-ASSEMBLE RADIO .

10 RESET MICROPROCESSOR.

11 This mod will extend the RX range as well as the TX range of the above unit.The display will have a range   from 29mhz to 299 mhz but this is

just an erroneos display as the PLL on a typical radio will rx between
130 mhz and 180mhz with a TX range that may be a little beyond these
these frequencies.

GOOD LUCK AND HAPPY MODING

73 CARL

Packet: VE3ZCO@VE3GYQ

Internet: VE3ZCO@ardsley.business.uwo.ca

CARL VE3ZCO [44.135.80.8]

```
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Mark Bramwell, VE3PZR                Located in sunny London, Ontario

Internet: mark@hamster.business.uwo.ca  IP Address: 129.100.22.100
  Packet:  VE3PZR @ VE3GYQ               UWO Phone: (519) 661-3714
```

From -9085863169156504957
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e39df4bbfd211ae1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 13:50:29 PST
Path: gmdzi!unido!mcsun!uunet!bu.edu!husc6!encore!slightbo
From: slightbo@encore.com (Sam Lightbourne)
Newsgroups: rec.ham-radio
Subject: Re: VHF Es on May31/June1
Message-ID: <126689@infocenter.encore.com>
Date: 4 Jun 90 18:43:20 GMT
Organization: Encore Computer Corp, Fort Lauderdale, FL
Lines: 26
Posted: Mon Jun 4 19:43:20 1990

From article <9006011846.AA17602@cmr.ncsl.nist.gov>, by rc@CMR.NCSL.NIST.GOV
(Robert Carpenter):
>
> Last evening, May 31 U.S. time, there was a good 6- and 2-meter Es opening.
> The 6-meter opening didn't have anything RARE from here in W3, mostly 5s.
> The big event was an hour of loud 2-meter sigs from Texas and Oklahoma. I
managed
> to p;ick up a few new grids.
> An attempt to DX on the FM BC band failed as usual. The 50+ local stations don't
> allow much chance to hear DX.
>
> What did you hear?
> Bob W3OTC

> (The June 1 refers to the fact that the 2-meter opening started about 0005 UTC
> June 1.)

That thursday evening around midnight driving home from work I tuned in the Miami National Weather Service on 162.55 Mhz. Only to find it was being wiped out by the NWS from Melbourne, FL over 150 miles to the North. This is usually a good reliable indicator of some kind of opening. This has happened several times in the past. Thats when I scan the bands looking for distant repeaters.

Sam Lightbourne KI4JJ
Sunrise, FL
Encore Computer Corporation "Together We Will...."
Ft. Lauderdale, FL

From 770040513569020355
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e39df4bbfd211ae1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 13:53:05 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!iuvax!silver!charyd
From: charyd@silver.ucs.indiana.edu (david chary)
Newsgroups: rec.ham-radio
Subject: Re: VHF Es on May31/June1
Message-ID: <46654@iuvax.cs.indiana.edu>
Date: 4 Jun 90 19:45:23 GMT
References: <126689@infocenter.encore.com>
Sender: root@iuvax.cs.indiana.edu
Organization: Indiana University, Bloomington IN.
Lines: 25
Posted: Mon Jun 4 20:45:23 1990

On the night of May 31, I was able to monitor the following from my Gary, IN location:

Various fire calls in south central Pennsylvania (33.6-34.0 MHz)
An 6m FM repeater in Wichita, Kansas (I think it was 29.66 MHz)
KVOU-TV Channel 4 (FOX) in Billings, Montana.

Whenever a band opening such as this comes about, I tune my tv to WBBM Channel 2 in Chicago to determine the "severity" of the band opening. Sometimes the interference in the picture is such that it becomes unintelligible. I have seen stations in Connecticut, Texas, Montana, and Quebec (including a French version of Wheel of Fortune!) during such band openings. Last June (appropiately enough on Field Day :)), there was a E opening and a tropospheric opening at the same time, and lasted almost the entire weekend. I was able to record an FM broadcast in French around 92 Mhz. I could not get the call sign, but I am unaware of any local French language broadcasts.

David Chary
(charyd@amber.ucs.indiana.edu)
N9JRV

From -8661589324615581409
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16d9f08f560aebaf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 14:46:38 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!hplabs!hpl-opus!hpnmdla!hpsad!
mikew@hpsadpei.HP.COM
From: mikew@hpsadpei.HP.COM (Mike Weihman)
Newsgroups: rec.ham-radio
Subject: Re: EBS Nuclear Announcement
Message-ID: <1530045@hpsadpei.HP.COM>
Date: 4 Jun 90 17:18:40 GMT
References: <9006032356.AA15701@ucsd.edu>
Organization: HP Signal Analysis Division - Rohnert Park, CA
Lines: 29
Posted: Mon Jun 4 18:18:40 1990

From: TCOMGRD1@OUACCVMB.BITNET (Pete Simpson):

Re: EBS nuclear alert tapes...
>
>   Does anyone out there know what these say? If so could you email me
> what is says, or is that illegal somehow?? WHATEVER YOU DO... Dont reply with
> the actual message to the net!!!!!
>

Why not?? Is the stuff copyrighted? Top Secret? Or is it like the
Monty Python World's Funniest Joke, that will cause instant death to
all listeners from overlaughter?

Seriously, is there a good reason not to post it, or a good reason you
should not havbe been permitted to hear the tapes in the first place?

-mike

****
Mike Weihman   n1dje: RACES, CDF-VIP
mikew@hpsadmjw.hp.com
mikew%hpsad@hp-sde.sde.hp.com

Hewlett-Packard Co.   Volunteer firefighter/EMT
Signal Analysis Division   Penngrove Fire Prot. Dist.
1212 Valley House Drive   Penngrove, CA
Rohnert Park, CA 94928
(707)794-4454

****

From 3816268942054092633
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b58db6526c181660
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 14:48:26 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sunybcs!
uhura.cc.rochester.edu!rochester!rit!cci632!cb
From: cb@cci632.UUCP (Just another hired gun (n2hkd))
Newsgroups: rec.ham-radio
Subject: Re: 2M antenna ideas for Dodge caravan wanted
Message-ID: <37589@cci632.UUCP>
Date: 4 Jun 90 19:06:00 GMT
References: <577@mtune.ATT.COM> <DLS.90Jun1073126@ccird1.uucp>
Reply-To: cb@cci632.UUCP (Just another hired gun (n2hkd))
Organization: Ring Ring... The number is
Lines: 12
Posted: Mon Jun 4 20:06:00 1990

I have first seen the FIN (can you say shark) type antennas on airplanes
a few years back. I'm pretty sure the antenna specialists make some for
150 & 450 bands. I have seen then around here on school buses (151.XXX)
and other vehicles. They are usually white and I thisn that they're
about 2 inches wide 7or8 inches long and maybe 5 inches (440<3) high.
Sorry I don't have my catalog(s) handy, but if there's interest I'll
look it up. IS Anyone using these antennas?.
--

email: cb@cci632 or !rochester!kodak!n2hkd!curtis
Curtis Braun, N2HKD, Computronics, PO Box 1002 Fairport NY, 14450

From 1624293470868524043
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd208992aac66b0f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 14:50:35 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!uwm.edu!zaphod.mps.ohio-state.edu!
sdd.hp.com!decwrl!decatl!shlump.nac.dec.com!deaths!pompano
From: pompano@deaths.dec.com (Jim Pompano)
Newsgroups: rec.ham-radio
Subject: TNC Simulation
Message-ID: <12183@shlump.nac.dec.com>
Date: 4 Jun 90 20:26:15 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 16
Posted: Mon Jun 4 21:26:15 1990

Is anyone aware of software that will emulate a TNC?

The reason I'm asking is that I have computer (VAXStation-3100) and a 2400 Modem. I've been considering the purchase of a TNC (MFJ-1278), however it is about a $280 investment.

I would like to test the whole idea of TNC (i.e. CW, RTTY, Packet, etc.) without investing a lot of mony up front.

The second part of the above "project" is getting the signal amplified from the radio output level (mv?) to modem-input level (24-48 volts). I was planing on building a simple audio amp (with good freq-response).

Any suggestions from the TNC-qeru's?
Jim

From 6743162779353630130
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a4174b443a7f1c0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 15:03:05 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!ogicse!littlei!foobar!jim
From: jim@foobar.hf.intel.com (Jim Garver)
Newsgroups: rec.ham-radio
Subject: Re: Battery Packs
Keywords: It can be done
Message-ID: <414@foobar.hf.intel.com>
Date: 4 Jun 90 15:35:19 GMT
References: <9006011721.AA10744@rutgers.edu>
Sender: news@foobar.hf.intel.com
Reply-To: jim@foobar.UUCP (WA7LDV)
Organization: - Intel Corp - Hawthorne Farms - Hillsboro, OR -
Lines: 27
Posted: Mon Jun 4 16:35:19 1990

In article <9006011721.AA10744@rutgers.edu> jpedley@RIA-EMH2.ARMY.MIL ("John Pedley, AMSMC-DSP-L") writes:
>
>Does anyone have any good ideas on how to open up some of these sealed
>battery packs that are used on late model hand helds? Specifically
>I am trying to open and repair a Yaesu FNB-12 battery pack.
>

While I own two FNB-12s, I haven't had to open them yet. But that day will come. They don't look as hard to do as some of the plastic puzzles I have tackled. The worst one was a battery pack for the STS AV7600 aircraft handheld. It had a L-joint on the top and a neat job was not to be had, but results were usable.
I use various small sharp things like an industrial razor blade, jewelers screwdrivers, hammer and cold chisel, and whatever else it takes to split the seam. I used to have an Ungar soldering iron tip that had an Xacto blade on it, but I haven't had to resort to that yet. This tip was great

for making doors that open on model cars, but I haven't seen it since 1966. Persistance is the word, and I absolutely will not pay $50 to $70 for a new battery pack when all that is wrong in there is usually one bad cell. About 12 volts across its butt for a moment sometimes gives it a new lease on life, but my experience doing this is about 50% success. If you try this, only zap the shorted cell, not the whole pack. Good luck and good cracking.

```
--
Jim Garver     Intel Corp.   <tektronix!psueea | uunet!littlei>!foobar!jim
 WA7LDV     Hillsboro, Oregon              jim@foobar<.hf.intel.com|.uucp>
```

From -3097491842823265556
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93eda2a5a157b821
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 16:31:18 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!cica!iuvax!rutgers!
bellcore!pyuxp!towernet!hera!rcmcc
From: rcmcc@hera.uucp (23310-mcconnell)
Newsgroups: rec.ham-radio
Subject: Re: Callsign re-structure
Summary: extra class diplomas were still being issued about 1980.
Message-ID: <14@towernet.UUCP>
Date: 4 Jun 90 11:10:53 GMT
References: <26320@ucbvax.Berkeley.EDU> <386400009@.Prime.COM> <492@norvax.UUCP>
Sender: netnews@towernet.UUCP
Lines: 6
Posted: Mon Jun 4 12:10:53 1990

I requested and received one of the blue and white Extra class diplomas about 1980 from my local FCC office in New York.   With all the budget cuts the FCC has had I doubt that they're still available.

Ron McConnell, W2IOL

From 4010033336520937392
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16d9f08f560aebaf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 22:30:52 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!
zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!apple!uokmax!nsslsun.gcn.uoknor.edu!
skaggs
From: skaggs@nsslsun.gcn.uoknor.edu (Gary Skaggs)
Newsgroups: rec.ham-radio
Subject: Re: EBS Nuclear Announcement
Message-ID: <1990Jun5.001657.12028@uokmax.uucp>
Date: 5 Jun 90 00:16:57 GMT

```
References: <9006032356.AA15701@ucsd.edu> <1990Jun4.102657.22867@swlabs.uucp>
Sender: usenet@uokmax.uucp (Nets)
Organization: National Severe Storms Laboratory
Lines: 40
Posted: Tue Jun  5 01:16:57 1990

In article <1990Jun4.102657.22867@swlabs.uucp> jack@swlabs.UUCP (Jack Bonn)
writes:
>In article <9006032356.AA15701@ucsd.edu> TCOMGRD1@OUACCVMB.BITNET writes:
>>                              I asked what the heck they were, and was told
>>that they (one male voice and one female voice) were the tapes to be played
>>in event of Nuclear War.  Ever curious, I asked what they said. No one knows.
>> .
>> .
>> .
>>     Does anyone out there know what these say? If so could you email me
>>what is says, or is that illegal somehow?? WHATEVER YOU DO... Dont reply with
>>the actual message to the net!!!!!
>
>Oh come on.  Why not just post it?
>
>You have us all curious now.
>
>Heck, I'd be tempted to play them on the air!  :-)  OK, at least into the
>input of the local repeater.  Seems to be better than ordering a pizza
>(a thermonuclear pizza, now that's well-done).
>
>This isn't one of those jokes that will drive you insane, is it?  :-)
>--

I used to be the supervisor of the NOAA Weather Radio unit at the NWS office
in the OKC/Norman area.  That message (from memory!) says, "The United States
Government has declared that a Nuclear Attack is imminent(sp?).  You are
directed to tune to your local Emergency Broadcast Station for safety
information."  Or some such nonsense.

Procedure was: tone alert it.  Do it live while recording and leave it as
the only one running on the console.

Off the record, most of my employees said that if it were the real thing, they
would append .."and stick your head between your legs and kiss your a..
goodbye."  I would've problably done it too.

------------------------------------------------------------------------------
Gary Skaggs            Internet: skaggs@nsslsun.gcn.uoknor.edu
The National Severe Storms Laboratory (The Tornado People)
      "Shall we repair to my tent?" "I didn't know it was broken!"


From 4606404538724667253
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7d7ea364412ea21a,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-Thread: 114aac,7d7ea364412ea21a,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-06-04 22:40:47 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!psuvax1!rutgers!mcnc!ncsuvx!news
From: garvin@ccvr1.ncsu.edu (Michael A. Garvin)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Review: AOR AR-1000 Handheld Scanner
Message-ID: <1990Jun5.010202.6800@ncsuvx.ncsu.edu>
Date: 5 Jun 90 01:02:02 GMT
Reply-To: garvin@ccvr1.ncsu.edu (Michael A. Garvin)
Organization: Bill 'n Opus Campaign HQ
Lines: 122
Xref: gmdzi rec.ham-radio:11977 rec.radio.shortwave:1395
Posted: Tue Jun 5 02:02:02 1990

As I mentioned in an article a few weeks ago I ordered the new AOR AR-1000 handheld scanner from Grove Enterprises. I had been looking at the ICOM R-1 intending it as a replacement for my old Bearcat 100XLT, but the R1 is either a short or a long way off depending on the phase of the moon. Several people have posted or mailed asking for a report on how the scanner performs, so here is my review.

* * * * *

DISCLAIMER: These are my opinions. I am not an engineer, just a scanning fan. I do not work for any of the companies mentioned below, nor will I gain any compensation for this report.

* * * * *

AOR AR-1000 Handheld Wide Range Communications Monitor

o Frequency range: 8-600, 805-1300 Mhz (minus TV)
o Scan/search/manual tuning
o 1000 non-volatile memories, 10 banks of 100 channels/bank
o Scan rate: 20 memories/sec
o Tuning steps: 5 to 995 kHz, divisible by 5 or 12.5
o Receiving modes: AM, NFM, WFM
o Sensitivity: 0.35 uV NFM, 1 uV AM/WFM
o Search: 40 increments/sec
o Features: delay/hold, squelch, priority on any channel, 10 db selectable attenuator, 4 AA nicads (13.6 VDC), 12 oz weight, 2.5"W x 6.84"H x 1.75"D, AC wall charger/adapter, carrying case, belt clip, cigarette lighter adapter
o Price: $499, Grove has for $459

First (open box) impressions:

The case looks much better than the Uniden cases. There is a removable metal belt clip poking through from the back of the scanner and a clear plastic shield over the keys. The whip antenna looks like one of the Larsens. The weight and feel are JUST right, unlike the heavy and tiring

Bearcat. The manual tuning knob on the top seems a bit too long for the unit; it rotates left/right to decrement/increment the frequency by the desired step. Squelch and volume are a single knob on the top; the squelch is the outside jacket of the volume. The local/DX switch is also on top.

The keypad looks nice, and so does the display. The light is a little wimpy, though. Four(4) AA nicads supply power to the unit, no more hunting for odd battery packs.

Operation:

Here we go. It took about 1 hour to master the Bearcat; it took 3 _DAYS_ to learn the AOR. Their manual didn't help matters. It looks like something an engineer knocked out (no offense intended). It is a piece of junk. Things are cut-and-pasted into a mess, there are two(2) sections on scan limiting that are identical, and there are general errors. But the manual is vital in order to learn the unit. It's like flying the shuttle. Take entering bank numbers to scan for example:

- Bearcat: hit <SCAN>, then the bank number. For multiple banks press their numbers. The numbers are toggles (on/off).
- AOR: hit <SCAN>, <BANK>, <PROG>, <LIMIT>, lower bank limit, <LIMIT>, upper bank limit, <ENTER>.

Searching is MUCH worse.

Gripe: if I wanted to scan banks 1 and 5, I can't. I'd have to scan banks 1 THROUGH 5. Trying to lock and unlock banks is also a pain. I accidentally locked out all the banks, and it took 2 hours of unlocking every channel to get the scanner back.

Scanning:

Performance rolls off below 30 Mhz and above 1200 Mhz. As a shortwave receiver I don't put much stock in the AOR. It didn't do well. I was able to copy a few stations but they faded in and out. OK, so I didn't hook it up to an active antenna or a longwire. I only used the whip and a shortwire. But I barely picked up anything under 30 Mhz even under good conditions.

UHF, particularly ~460 Mhz (local police): does OK. Some birdies and false detections around here (400 to 600 Mhz), but all-in-all just as good as the Bearcat. Couldn't test the 200 Mhz region since we don't have any close military installations, and I couldn't get any drug/FBI/Secret Service/gov't stuff.

Aircraft bands (108-136 Mhz): here I had a problem. Even sitting at the end of the runway I could not pick up traffic as well as the Bearcat. The transmissions were garbled and faint. The AOR apparently has problems with this region.

Cellular? Of course I didn't listen, so I can't say (ahem). I imagine, though, that it would do as well as can be expected (cough). The upper reaches (900+ Mhz) went untested as I never could hear anything.

Conclusion:

It went back to Grove 12 days after receipt. I got tired of fighting it and constantly being reminded of its shortcomings. And I really wanted shortwave, where it showed its worst performance. Perhaps a real shortwave antenna would have helped. As far as the other bands were concerned I used the unit with the supplied whip and with a Radio Shack discone antenna (25-1300 Mhz). Reception improved, but so did the false reports (it locked more noise as a station). Rejection was not too good.

Also, it seemed that every time I turned the unit on I had to re-adjust the squelch, even if I had not moved it. Another thing: it picks up harmonics VERY well. One of our local stations on 89.7 Mhz FM came through on our local NWS weather channel (162.55 Mhz), down to about 50 Mhz, and all the way up to 200 Mhz in good conditions. Admittedly this is their problem, but the AOR didn't make it its problem.

In short, I was disappointed. Looking back I have to realize that AOR was trying to cram quite a lot into such a small package and that I should not have set my hopes too high (an ICOM R-9000 in a handheld). But I still feel that a separate shortwave and scanner are the way to go with the current market situation. I continue to await the ICOM R1, and will make a road trip to see and test it. But I'm going to be happy with my new Bearcat 200XLT until then.

This may, however, be the scanner for you. I will not go onto the record as opposed to the AOR; it simply wasn't what I wanted. You should try one out before you buy it or any other.

If anyone has any specific questions or discussion I'll be happy to answer them as best I can without the unit. Just drop me some mail.

```
---------------------------------------------------------------------------
Michael Garvin                       garvin@ccvr1.ncsu.edu
NCSU Computing Center - Systems      Raleigh, NC
---------------------------------------------------------------------------
```

From -8268096644690336614
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b996e5b09ab18b3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 23:39:21 PST
Path: gmdzi!unido!mcsun!uunet!ingr!b11!herbster
From: herbster@b11.ingr.com (Joe Herbster)
Newsgroups: rec.ham-radio
Subject: Dual-banders
Keywords: Need info
Message-ID: <8105@b11.ingr.com>
Date: 4 Jun 90 16:12:58 GMT
Organization: Intergraph Corp. Huntsville, AL
Lines: 14
Posted: Mon Jun 4 17:12:58 1990

Hello,

I am looking for a mobile dual-bander (2m/70cm) rig for the car. My problem is this, nowhere in the ads do they mention whether they have single or dual antenna ports. I would like one with seperate ports for the antennae. The units in question are;

Kenwood TM-731A, Icom IC-2400, Alinco DR-570T and DR-590T. I have already eliminated the Kenwood TM-701 as a single porter. I know the Yaesu 4700RH has two, but would like more memories. Any help appreciated.

73's de KM4JN

From -8604975865901371283
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e6d7fe87e85c90b0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 23:57:06 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!shelby!neon!kaufman
From: kaufman@Neon.Stanford.EDU (Marc T. Kaufman)
Newsgroups: rec.ham-radio
Subject: Re: EBS followup and comments on the "old" EBS stuff
Message-ID: <1990Jun5.035758.27520@Neon.Stanford.EDU>
Date: 5 Jun 90 03:57:58 GMT
References: <9006041620.AA24453@ucsd.edu>
Organization: Computer Science Department, Stanford University
Lines: 13
Posted: Tue Jun 5 04:57:58 1990

In article <9006041620.AA24453@ucsd.edu> MEHARP01@ULKYVM.BITNET (Michael Harpe) writes:

>   ...Incidents like that are bound to happen, especially with deregulation
>allowing untrained personnel to operate broadcast stations.

What does deregulation have to do with it? The old FCC 3rd class license didn't particularly require brains, you know. Besides, when you are the sole operator of a station, for hours at a time, you're bound to make some mistakes. Blame the station manager (or Chief Engineer) for putting the tapes where they could be confused with the test tapes. This stuff was happening in the late 50's and 60's, when we were still regulated.

Marc Kaufman (kaufman@Neon.stanford.edu)

From -8759899889417159029
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16d9f08f560aebaf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 23:57:59 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!uwm.edu!zaphod.mps.ohio-state.edu!mips!prls!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)

Newsgroups: rec.ham-radio
Subject: Re: EBS Nuclear Announcement
Message-ID: <97859@philabs.Philips.Com>
Date: 4 Jun 90 13:05:34 GMT
References: <9006032356.AA15701@ucsd.edu>
Sender: news@philabs.Philips.Com
Reply-To: rfc@briar.philips.com.UUCP (Robert Casey)
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 4
Posted: Mon Jun 4 14:05:34 1990

"Beeeeeeeeeeeeeeeeep! This is only a test. If this was real, we would all be dead by now!"

:-)

From -5952983550745553727
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e39df4bbfd211ae1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-05 00:17:45 PST
Path: gmdzi!unido!mcsun!sunic!tut!korppi!rk76073
From: rk76073@korppi.tut.fi (Risto Kotalampi)
Newsgroups: rec.ham-radio
Subject: Re: VHF Es on May31/June1
Message-ID: <13467@etana.tut.fi>
Date: 5 Jun 90 06:15:12 GMT
References: <126689@infocenter.encore.com>
Sender: News@tut.fi
Reply-To: rk76073@korppi.tut.fi (Risto Kotalampi)
Organization: Tampere University of Technology, Finland
Lines: 24
Posted: Tue Jun 5 07:15:12 1990

In article <126689@infocenter.encore.com> slightbo@encore.com (Sam Lightbourne) writes:

>
>That thursday evening around midnight driving home from work I tuned in the
>Miami National Weather Service on 162.55 Mhz. Only to find it was being
>wiped out by the NWS from Melbourne, FL over 150 miles to the North.
>This is usually a good reliable indicator of some kind of opening. This
>has happened several times in the past. Thats when I scan the bands look
>ing for distant repeaters.
>
>Sam Lightbourne KI4JJ
>Sunrise, FL
>Encore Computer Corporation "Together We Will...."
>Ft. Lauderdale, FL

This can't be Sporadic E because the station you heard is only 150 miles away but tropo-opening.

```
# Risto Kotalampi rk76073@tut.fi   # Phones :                           #
# Tampere University of Technology # Work (room SL 212) : (931) 162 921 #
# Signal Processing Laboratory     # Home               : (931) 615 025 #
# P.O.Box 527, 33101 TAMPERE       # Radioclub (SH 101) : (931) 162 010 #
```

```
From -6465253623041847622
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,53cfd322c903fbbe,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-05 00:24:49 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes, 6/1/90
Message-ID: <1511@n8emr.UUCP>
Date: 5 Jun 90 01:17:20 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 153
Posted: Tue Jun  5 02:17:20 1990
```

```
==============================================================
|         Relayed from packet radio via                      |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ RTTYDX $RTDX0106
RTTY DX Notes, 1of3, 6/1/90

RTTY DX Notes for Weekending 1st June 1990.
Part 1 of 3.
BID: $RTDX0106

If this week's DX notes appear a little sparse, I must apologize, as I can only report what information I receive. This week there has been very little activity, or maybe everyone was chasing the Yemen station. Conditions of course were not the best for most of the week, and that did not help either. So all that I can say is that we are not up to our usual standard this week. We will try harder next week in the ANARTS contest.

Our thanks this week go to I5FLN, I5ICY, I5IGQ, JA1BLV, OD5NG, TG9VT, VK2EG, VU2DPG, and W0LHS. Thanks chaps for the news and DX in your areas. It all helps a lot.

```
Bandpass:

Friday 25:
ZP6DN     14089  at  0020Z
FY4FS     14090  at  0023Z
EA9MY     14087  at  0026Z  QSL
9K2EC     14074  at  0140Z  ARQ
TK/DL7HZ  14074  at  0140Z  ARQ
RB5TF     14087  at  0646Z
FO5MA     14086  at  0700Z
3B8CS     14098  at  1807Z  50 Baud
UQ2HO     14090  at  1845Z
SV0GB     14087  at  1857Z
UO5OK     14083  at  1900Z

Continued in part 2.
/EX
SB RTTYDX @ RTTYDX $RTDX0206
RTTY DX Notes, 2of3, 6/1/90

RTTY DX Notes for Weekending 1st June 1990.
Part 2 of 3.
BID: $RTDX0206


Saturday 26:
RB5TV     14085  at  0650Z
TJ1MW     14090  at  0655Z
FO5MA     14086  at  0710Z
5B3ONC    21084  at  0825Z
EA9MY     14085  at  0856Z
TK/DL7HZ  14081  at  0920Z
HI8BG     14085  at  1221Z
FR4EC     21087  at  1435Z
UM8MU     21091  at  1436Z
BY1QH     14088  at  1526Z
5N8ALE    21077  at  1527Z  QSL/FEC
UQ2HO     14085  at  1612Z

Sunday 27:
FY4FS     14086  at  0044Z
CN8CC     14086  at  0049Z

Monday 28:
EA9MY     14083  at  0224Z
HK4DUM    14086  at  0248Z
UQ2HO     14087  at  0357Z
RB5TF     14089  at  1330Z

Tuesday 29:
VQ9ZZ     14075  at  0120Z  FEC/Note

Wednesday 30:
```

9M2AX	21086	at	1609Z	

Thursday 31:

SU1HN	14087	at	0035Z	
FY4FS	14091	at	0235Z	
TK/DL7HZ	14082	at	0325Z	
9M2CR/SM5	14072	at	0930Z	ARQ
AL0C/KL7	14099	at	2100Z	

QSL Information:

EA9MY says to QSL via Box 368 Melilla, via Spain.

5N8ALE will QSL via DJ2VZ.

Notes of Interest:

Minami Torishima. KA2XX should be active from June 1st for a one week operation. QSL to KD7P.

Solomon Islands H44. ZL1AMO, Ron, will be QRV from June 6th until June 24th, signing H44RW. It is believed that he will be on RTTY as usual. QSL to his home call.

Continued in part 3.
/EX
SB RTTYDX @ RTTYDX $RTDX0306
RTTY DX Notes, 3of3, 6/1/90

RTTY DX Notes for Weekending 1st June 1990.
Part 3 of 3.
BID: $RTDX0306

Lord Howe Island. VK9LI will be active from June 7th until approximately June 13th, especially during the ANARTS RTTY Contest from June 9th to 11th. He will operate RTTY only, maybe some AMTOR. Due to the sudden rise in costs, small donations would be appreciated.

Chafartnas Island, AN9CI. EA9JV will be qrv from June 14th for one week. This is good for IOTA and prefix hunters awards.

Yemen, 7O1AA. Beware. There are pirates using this call. Make sure that you work the right one. They are only on SSB at the moment and for the next nine days.

Marion Island. ZS8MI has a new operator. He may turn up on RTTY, who knows?

VQ9ZZ. He is active again. The last time we saw this call he was onboard ship in the harbor, and using commercial gear. Hence he

cannot use the four letter selcal, so that is why he is on FEC Only.
Maybe it is the same operator, and not being on land it does not count
as a legitimate VQ9 operation.

Everyone is smiling. They have received their JT0DX cards. It pays
to wait and wait at times.

See you in the ANARTS contest on 9th June 0000Z until 11th June 0000Z.

For VK9LI QSL card and donations send via VK2SG.

Sorry for the brief notes, chaps. Hope for better things next week.

GL DE DX1 (VK2SG) VIA TG9VT.

Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA. Send RTTY DX tips
to VK2SG @ VK2AGE.AUS.AU.
/EX

From -2359067508480455628
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,23279edc4efedfb2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-05 00:25:17 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!zaphod.mps.ohio-state.edu!
sdd.hp.com!hp-pcd!hpcvca!hpcvck!mcross
From: mcross@hpcvck.CV.HP.COM (Minor Cross)
Newsgroups: rec.ham-radio
Subject: Re: Ford Taurus HF Mobile question
Message-ID: <5440015@hpcvck.CV.HP.COM>
Date: 4 Jun 90 14:33:36 GMT
References: <4630013@hpspkla.spk.hp.com>
Organization: Hewlett-Packard Co., Corvallis, Oregon
Lines: 13
Posted: Mon Jun 4 15:33:36 1990

Don't know about the Taurus but, in a 1986 Sable a 2M handitalkie was
able to turn on the warning panel and advise me that the taillamps were
all bad!
Insert Standard Disclaimer notice here:

```
           ___
       /  /        Minor Cross     KD7YJ
      /  /        Hewlett-Packard  Northwest IC Division  [ NID ]
     /  /_____           _________       1020 NE Circle Blvd.
       /  ___   /  ____    /  ___   /     Corvallis, OR    97330
      /  /  /  /  /___/   /  /__/  /       -------------------------
     /__/  /__/          /  ______/       AT&T:  (503) 750-2044
                        /  /           HP telnet  750-2044
                /__/     }inhp4!hplabs!hp-pcd!hpcvca!hpcvck!mcross
```

From -5307159538776347277
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5b6d8c457c713aa3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-05 00:41:33 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!think!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!pikes!udenva!news
From: news@udenva.cair.du.edu (netnews)
Newsgroups: rec.ham-radio
Subject: Logbook program available (Logger v1.2)
Message-ID: <13281@udenva.cair.du.edu>
Date: 5 Jun 90 04:55:09 GMT
Reply-To: awinterb@diana.cair.du.edu (Art Winterbauer)
Organization: Univ. of Denver
Lines: 15
Posted: Tue Jun 5 05:55:09 1990

I've written a quick-and-dirty computer-based logbook to keep track of stations contacted/heard. I'll post it to the group if I receive more than 5 requests for it.

It uses the MS-DOS sort routine, and I've only tested the program with MS-DOS v3.3.

This program requires beta testing. It's freeware. You're welcome to use it, and if you think someone else would like to try it, pass it on.

Art Winterbauer
awinterb@du.edu

From 1995158152860346771
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,47756765c799a2ca,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-05 00:43:54 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!brutus.cs.uiuc.edu!apple!portal!cup.portal.com!Justin_Randall_Padawer
From: Justin_Randall_Padawer@cup.portal.com
Newsgroups: rec.ham-radio
Subject: specific 73 magazines needed--HELP!!
Message-ID: <30533@cup.portal.com>
Date: 5 Jun 90 04:35:42 GMT
Organization: The Portal System (TM)
Lines: 11
Posted: Tue Jun 5 05:35:42 1990

I desperately need these four 73 magazines. I would be willing to photocopy what I need and return them at my expense, reimbursing any postal costs. Will someone please help me? Please email.

The four needed 73 mags (ALL 1989, last year)... April, June, Aug., Nov.
Thanks.
Internet: Justin_Randall_Padawer@cup.portal.com
GEnie: RANDYPAD
America Online: RandyPad1
--Randy Padawer, WA4FJF
P.O. Box 1167
Knoxville, TN 37901

From 3095420495258340799
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e87063499b9a0805,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-05 01:06:23 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!uakari.primate.wisc.edu!aplcen!haven!udel!udccvax1!mercenary
From: mercenary@vax1.acs.udel.EDU (Chad M Amberg)
Newsgroups: rec.ham-radio
Subject: modifications
Message-ID: <6570@vax1.acs.udel.EDU>
Date: 5 Jun 90 04:59:43 GMT
Reply-To: mercenary@vax1.udel.edu (Chad M Amberg)
Organization: Bwana Productions
Lines: 13
Posted: Tue Jun 5 05:59:43 1990

if anyone has any information regarding the following radios concerning modifications or repair tips I would greatly appreciate it as it would help my radio repair work.

Cobra 142, 146, 148 gtl sideband models (particularly 10 meter modifications)
Cobra 2000 gtl
President (Uniden) Grant, Lincoln, Washington and Madison, as well as 2510 and 2600

ANY help would be apreciated.

Jake Fortune
general radiotelephone

From -7410432448921401131
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b996e5b09ab18b3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-05 01:26:23 PST
Path: gmdzi!unido!mcsun!uunet!deimos.cis.ksu.edu!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Dual-banders
Message-ID: <30500565@ux1.cso.uiuc.edu>

Date: 5 Jun 90 06:19:00 GMT
References: <8105@b11.ingr.com>
Lines: 22
Nf-ID: #R:b11.ingr.com:8105:ux1.cso.uiuc.edu:30500565:000:1082
Nf-From: ux1.cso.uiuc.edu!phil   Jun 5 01:19:00 1990
Posted: Tue Jun 5 07:19:00 1990

>   I am looking for a mobile dual-bander (2m/70cm) rig for
>   the car. My problem is this, nowhere in the ads do they mention
>   whether they have single or dual antenna ports. I would like one
>   with seperate ports for the antennae. The units in question are;
>
>   Kenwood TM-731A, Icom IC-2400, Alinco DR-570T and DR-590T. I have
>   already eliminated the Kenwood TM-701 as a single porter. I know
>   the Yaesu 4700RH has two, but would like more memories. Any help
>   appreciated.

The Icom IC-2400 is a dual antenna port radio. The IC-3210 uses one port
but it is on sale right now while dealers try to unload their stock. The
difference is greater than the cost of an external VHF-UHF duplexor.

The IC-2400 has 20 memories. I believe it might even be possible to save
20 VHF and 20 UHF frequencies with offsets, but I am not sure.

Icom also has a matching UHF/UHF dual band, the IC-2500, with 70cm and 23cm.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -1639395679496779321
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b58db6526c181660
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-05 07:13:29 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Re: 2M antenna ideas for Dodge caravan wanted
Message-ID: <24300013@col.hp.com>
Date: 5 Jun 90 05:53:48 GMT
References: <577@mtune.ATT.COM>
Organization: HP Colorado Springs Division
Lines: 27
Posted: Tue Jun 5 06:53:48 1990

>/ col:rec.ham-radio / jak@mtune.ATT.COM (Jim Kutsch) / 10:33 am May 22, 1990 /
>
>I have a Dodge caravan and a garage with a fairly low door.
>I want to install a permanent 2M antenna on the Caravan.
>The mag mount gets knocked over and scratches the roof.

```
>Does anyone have any success stories or recommendations?
>
>Thanks in advance.
>73, jim ky2d
>---------

  I don't have a Caravan, but I do have a Jeep Cherokee and a similar
  problem. I ended up using a Larson 1/4 wave with the L-shaped
  mounting bracket that is designed to attache between the trunk lid
  and fender of a sedan using sheet
  metal screws. I mounted this antenna at the top of the hatchback.
  The antenna doesn't quite miss the open garage door (by about 1.5 inches)
  but its good enough to enter and exit without problems. It ends up
  being a pretty good low profile antenna.

--------------------------------------------------------------------
Bob Witte              HP Colorado Springs Division
bobw@col.hp.com        P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO  80901
Radio: KB0CY           Packet: kb0cy@w0lkd
"All disclaimers apply."
--------------------------------------------------------------------



From 4145079675332691221
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c7de3cf46e7161
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-05 08:10:40 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!psuvax1!rutgers!att!mcdchg!laidbak!obdient!vpnet!ken
From: ken@vpnet.chi.il.us (Ken Linder)
Newsgroups: rec.ham-radio
Subject: Hamster??
Message-ID: <266aa4df-d5.1rec.ham-radio-1@vpnet.chi.il.us>
Date: 4 Jun 90 21:55:05 GMT
References: <9005290700.AA02859@ucbvax.Berkeley.EDU>
Lines: 6
Posted: Mon Jun  4 22:55:05 1990

Well, some friends of mine, and myself had a bowling team called
'The Hamsters'.....but I doubt if that would help....  Seriously
I think it is a server somewhere in UUCPland but I am not sure....

Questioning......
KA9RVK    Ken LInder


From -4172482719727363458
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b95205ea4c8465
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-05 08:11:36 PST
```

Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!rutgers!att!mcdchg!laidbak!obdient!vpnet!ken
From: ken@vpnet.chi.il.us (Ken Linder)
Newsgroups: rec.ham-radio
Subject: Packet radio advice
Message-ID: <266aa419-d1.1rec.ham-radio-1@vpnet.chi.il.us>
Date: 4 Jun 90 21:55:05 GMT
References: <9446@pt.cs.cmu.edu>
Lines: 6
Posted: Mon Jun 4 22:55:05 1990

I have used the MFJ 1270B TNC for a while now and find that it
has very few operating problems. I have heard of a few people who
had diodes go bad on them, but it is not the majority of the users,
and anyway, these were older models.... I do recomend the 1270B....

DE KA9RVK   Ken Linder.....7373

From 9200790192016312786
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16d9f08f560aebaf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-05 09:31:35 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!natinst!sequoia!attdso!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: EBS Nuclear Announcement
Summary: Generic EBS tape
Message-ID: <805@ssc.UUCP>
Date: 5 Jun 90 16:31:35 GMT
References: <9006032356.AA15701@ucsd.edu> <1990Jun4.102657.22867@swlabs.uucp>
Organization: very little
Lines: 35
Posted: Tue Jun 5 17:31:35 1990

In article <1990Jun4.102657.22867@swlabs.uucp>, jack@swlabs.uucp (Jack Bonn) writes:
> >   I asked what the heck they were, and was told
> >that they (one male voice and one female voice) were the tapes to be played
> >in event of Nuclear War. Ever curious, I asked what they said. No one knows.
> > .
> > .
> > .
> >   Does anyone out there know what these say? If so could you email me
> >what is says, or is that illegal somehow?? WHATEVER YOU DO... Dont reply with
> >the actual message to the net!!!!!
>
> Oh come on. Why not just post it?
>
> You have us all curious now.
>

I played one of these tapes at a non-commercial station in the 1960s. The reference to nuke war must have been a joke. These are generic tapes for any emergency (tornado, hurricane, civil unrest) and simply direct listeners to tune to the EBS station serving their community.

Any implication that these are only for nuclear conflict are the result of someone's fantasy and cold war hysteria.

1
Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 424225416588976088
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8316fbd0ec91f004
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8316fbd0ec91f004
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-06-05 09:40:49 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!ames!ucsd!sdd.hp.com!zaphod.mps.ohio-state.edu!usc!randvax!ucla-an!stb!driver8
From: driver8@stb.info.com (Hugh Whats-his-name)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Who's on 407.75MHz?
Summary: AF-1 is USAF
Keywords: Mystery Frequency
Message-ID: <1990Jun4.185720.7037@stb.info.com>
Date: 4 Jun 90 18:57:20 GMT
References: <3342@radio.oakhill.UUCP> <4ab5c461.20b6d@apollo.HP.COM>
Sender: driver8@stb.info.com (Hugh Stegman)
Organization: The Serial Tree BBS, +1 213 397 3137
Lines: 15
Xref: gmdzi rec.ham-radio:11991 rec.radio.shortwave:1404
Posted: Mon Jun 4 19:57:20 1990

In article <4ab5c461.20b6d@apollo.HP.COM> hays@apollo.HP.COM (John Hays) writes:
>
>Air Force 1 is any aircraft carryin the president ... thus the helicopter
>for that short trip was AF-1 ....

Uh-uh. Were POTUS (the Prez) to take a non-military aircraft, ID would be "Executive One". Helicopters are usually USMC, and ID "Nighthawk #" until the Prez boards, then it's "Marine One". Perhaps a USAF helo would be AF-1 for the trip.

```
--
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
 Hugh Stegman NV6H                                             driver8@stb.info.com
 RCMA Below 30 MHz                                                denwa!stb!driver8
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
```

From 8660291721415436782
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b95205ea4c8465
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-05 10:47:39 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Packet radio advice
Message-ID: <14122@ucsd.Edu>
Date: 5 Jun 90 15:40:27 GMT
References: <9446@pt.cs.cmu.edu> <266aa419-d1.1rec.ham-radio-1@vpnet.chi.il.us>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 14
Posted: Tue Jun 5 16:40:27 1990

In article <266aa419-d1.1rec.ham-radio-1@vpnet.chi.il.us> ken@vpnet.chi.il.us (Ken Linder) writes:
>I have used the MFJ 1270B TNC for a while now and find that it
>has very few operating problems. I have heard of a few people who
>had diodes go bad on them, but it is not the majority of the users,
>and anyway, these were older models.... I do recomend the 1270B....
>KA9RVK   Ken Linder.....7373

And if you install the TAPR XR2211-DCD modification, for $11, you'll be able to run with your radio's squelch open, which means the other guy can cut his TXD in half or better, which means that EVERYONE on the channel will enjoy increased throughput and fewer collisions.

Takes about 15 minutes to install, assuming you know how to solder.
     - Brian

From -4987571461204243896
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5421f68346d04141,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-05 10:48:05 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!rpi!batcomputer!cornell!lrj
From: lrj@ishtar.cs.cornell.edu (Lewis Jansen)
Newsgroups: rec.ham-radio
Subject: Yaesu FT-101EE question
Message-ID: <41755@cornell.UUCP>
Date: 5 Jun 90 15:39:02 GMT

Sender: nobody@cornell.UUCP
Reply-To: lrj@cs.cornell.edu (Lewis Jansen)
Distribution: rec
Organization: Lab of Atomic and Solid State Physics, Cornell University
Lines: 44
Posted: Tue Jun 5 16:39:02 1990

I've a question regarding a Yaesu FT-101EE HF rig. Essentially, what should the microphone impedance be?

When I purchased the rig a few days ago, I got a Yaesu four-pin hand-mike with it. I'm not sure if this is working properly. Here we go:

Here is supposed to happen: you key up the mic and start talking into it. The ALC needle starts at full scale with no modulation, and you advance the mic gain until voice peaks are causing the needle to dip about halfway through the green region on the meter. This translates to the needle dipping to roughly 2/3 of full-scale.

What happens: at full mic gain, the ALC hardly even moves. Yelling/whistling into the mic will obtain some deflection. However, I had a QSO with two friends last night on 10m and I had to drop the mic gain to "2" to be intelligible. At this level, neither the Power Out nor the ALC indicators moved. The Drake matching network also didn't indicate any output power. The two friends were about 1 mile and 15 miles away and were getting S9 signals.

Before I purchased the rig, the fellow I bought it from demonstrated it using a desk mike (which he wanted to keep). I've not yet had a chance to get in touch with him to find out what he knows about the mic he gave me.

As a side note; the power output needle (on the Drake and the Yaesu) does move to appropriate values when operating 10m CW.

So, anyone know what's happening? I put an Ohm meter across the mic terminals (with the mic disconnected) and saw ~500 ohm impedance.

73

-- Lewis R. Jansen, N2KNV   lrj@helios.tn.cornell.edu
LASSP/LNS Systems Manager   (607) 255-6065

"You can't fight in here, this is the War Room!"

From 695609161362928986
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,447e527bbf0a76c8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-05 10:48:43 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!sulaco.enet.dec.com!judice
From: judice@sulaco.enet.dec.com ("Lou Judice, 908-562-4103 05-Jun-1990 1159")
Newsgroups: rec.ham-radio
Subject: NJ Scanner Law Coming up for Vote
Message-ID: <9006051603.AA18569@decpa.pa.dec.com>
Date: 5 Jun 90 16:03:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19
Posted: Tue Jun 5 17:03:08 1990

According to Senator John Lynch's office, S-305 is coming up for a vote shortly in the NJ Senate. This bill repeals Public Law 1977 and makes it a crime to MISUSE information intercepted by radio, while LEGALIZING the installation/use of scanners and wide-band tranceivers in vehicles.

New Jersey residents should call their State Senator TODAY to express support, for this legislation.

If you don't know who your state senator is, call:

NJ State House - 609-292-2121 and ask for the public affairs office.

Call today!

/ljj

From -3524433495083116748
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,13d6ab1dac806021,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-05 11:48:06 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!ucsd!ucbvax!cs.cciw.ca!U009
From: U009@cs.cciw.ca
Newsgroups: rec.ham-radio
Subject: WA4LPR Waveguide Filter Program wanted.
Message-ID: <5A06050D2621003B-MTACY830*U009@cs.cciw.ca>
Date: 5 Jun 90 18:43:20 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11

Posted: Tue Jun 5 19:43:20 1990

I am looking for a copy of the Waveguide filter program Dennis published in "Microwave Update '89". If he is on the net, or if anyone else has a copy, I would appreciate receiving it. If you know an FTP site that has it, I can try there too.

Regards, Stu Beal, VE3MWM, (U009@CS.CCIW.CA),
National Water Research Institute,
Burlington, Ontario, Canada.

The future lies ahead. And behind us lies, lies... lies.

From 923790572929506838
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ebb7c79e3a007151,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f74ae,ebb7c79e3a007151,start
X-Google-Attributes: gidf74ae,public
X-Google-Thread: f5cc0,ebb7c79e3a007151,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-06-05 12:32:31 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!rsiatl!nanovx!chara!don
From: don@chara.UUCP (Donald J. Barry)
Newsgroups: sci.astro,sci.space,rec.ham-radio
Subject: E. Journal of the Astro. Soc. of the Atlantic Vol. I, No. XI
Message-ID: <172@slipher.chara.UUCP>
Date: 5 Jun 90 19:32:31 GMT
Reply-To: don@chara.UUCP ()
Organization: Center for High Angular Resolution Astronomy
Lines: 826
Xref: gmdzi sci.astro:4399 sci.space:13032 rec.ham-radio:12010
Posted: Tue Jun 5 20:32:31 1990

THE ELECTRONIC JOURNAL OF THE ASTRONOMICAL SOCIETY OF THE ATLANTIC

Volume 1, Number 11 - June 1990

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The Electronic Journal of the Astronomical Society of the Atlantic (EJASA) is published monthly by the Astronomical Society of the Atlantic, Inc. The ASA is a non-profit organization dedicated to the advancement of amateur and professional astronomy and space exploration, and to the social and educational needs of its members.

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c/o Center for High Angular Resolution Astronomy (CHARA)
Georgia State University (GSU)
Atlanta, Georgia 30303
U.S.A.

asa%chara@gatech.edu or asa@chara.uucp

ASA BBS: (404) 985-0408, 300/1200 Baud.

or telephone the Society recording at (404) 264-0451 to leave your address and/or receive the latest Society news.

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klaes@wrksys.enet.dec.com
or - ...!decwrl!wrksys.enet.dec.com!klaes
or - klaes%wrksys.dec@decwrl.enet.dec.com

or - klaes%wrksys.enet.dec.com@uunet.uu.net

You may also use the above net addresses for EJASA backissue requests, letters to the editor, and ASA membership information.

Please be certain to include either a network or regular mail address where you can be reached, a telephone number, and a brief biographical sketch.

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A COMPARISON OF OPTICAL AND RADIO ASTRONOMY

by David J. Babulski

Electromagnetic radiation from space arrives at all wavelengths, from very short wavelength gamma rays to long wavelength radio waves. This wide spectrum of electromagnetic radiation is constantly bombarding the atmosphere of Earth. We humans live on the surface of the planet at the bottom of a giant ocean of atmosphere. This several-hundred-kilometer thick layer of mixed gases filters out most of the impinging electromagnetic radiation, leaving only two substantial "windows" into the Cosmos.

The narrower of these two primary windows is called the Optical Window and includes three portions of the spectrum:

The near-ultraviolet, that is, wavelengths longer than about three thousand Angstroms (an Angstrom is equal to one-hundred-millionth of a centimeter) or 0.3 micrometers (a micrometer is equal to ten to the negative six power or 0.000010 meter).

The "visible" section, which includes the "colors" that we can see: Blue (about five thousand Angstroms or 0.5 micrometers) to red (about seven thousand Angstroms or 0.7 micrometers).

Portions of the infrared (with wavelengths up to forty Angstroms or 0.04 micrometers).

The other, larger portal into the Cosmos is called the Radio Window. It includes wavelengths from about one millimeter to about twenty meters. The long wavelength cutoff depends somewhat on conditions in Earth's ionosphere.

Before we continue with a comparison of optical and radio astronomy, it may be useful to discuss the major component that these two disciplines have in common: Electromagnetic radiation.

Electromagnetic Radiation -

To fully understand electromagnetic radiation, we must first travel back in time. Our first stop is to early Greek history circa 585 B.C. It was around this period that Thales of Miletus (c.624-c.547 B.C.) noted that bits of amber rubbed with fur mysteriously attracted feathers and other lightweight objects. Also during this era, the curious property of the mineral lodestone to attract bits of iron was observed.

These observations were long regarded as curiosities and were generally ignored until the early years of the Nineteenth Century, when such curiosities were described in terms of electricity and magnetism.

In the early 1800s, Charles A. de Coulomb (1736-1806) in France measured the electrostatic force acting against a spring. About the same time, Count Alessandro Volta (1745-1827) in Italy invented a battery which was the first practical source of continuous electrical current.

Stepping ahead twenty years to 1820, Oersted of Denmark demonstrated that a magnetic field existed around a wire which was carrying electrical current. In this same time period, a French physicist named Andre Marie Ampere (1775-1836) described the attraction and repulsion between two wires carrying electrical current in the same or opposite directions.

It was shortly after these discoveries in the early 1820s that Georg S. Ohm (1787-1854) of Germany developed a thermocouple of iron and copper bars. When the junction of these bars was placed in a fire, Ohm noted that electrical current was generated. By using various lengths of copper wire, he formulated the famous laws that bear his name. These laws relate the flow of electric charges (current) in a conductor to the electrical potential (voltage) and the reaction of the circuit (resistance).

By the year 1830, it was fairly well known in scientific circles that when current flowed through a conductor, a magnetic field was formed around the wire. The reverse case was not an easy experiment to verify. Several luckless investigators tried to wrap a wire around a magnet to generate an electrical current in the wire.

In 1831 an English physicist named Michael Faraday (1791-1867) almost accidentally discovered that it was a moving magnet and not a stationary one that produced an electrical current in an adjacent conductor. Faraday proposed the daring concept that all space was filled with various force fields: Magnetic, electric, radiant, thermal, and gravitational. Based on his field theory, Faraday daringly postulated the principles of electromagnetic induction and the field theory, which proved to be the missing links between electricity and magnetism.

In the United States one decade later, a scientist by the name of Joseph Henry (1797-1878) demonstrated the concept that electromagnetic energy could be propagated through space and detected at a distance by noting the inductive action of a spark circuit picked up by a parallel circuit some nine meters (thirty feet) away.

By the 1850s, the various bits and pieces about electricity and magnetism were well known and documented: Coulomb's Law covering the relationship between the electric charge and the mechanical force it produced; Ampere's Law relating electrical current and magnetism; Gauss' Law covering the relationship between electric charge and the electric field; and Faraday's Law, which explained the relationship between the magnetic field and the induced voltage.

It was not until the late 1860s that the brilliant Scottish theoretician James Clerk Maxwell (1831-1879) unified these various laws into a complete electromagnetic theory which is today ranked in importance with Sir Isaac Newton's (1642-1727) concept of gravitation and Albert Einstein's (1879-1955) theory of relativity.

James Clerk Maxwell -

This Scottish physicist and mathematician is generally considered to be the greatest theoretical physicist of the Nineteenth Century. Maxwell became a student of the senior scientist Faraday, studying all of Faraday's work in order to become thoroughly familiar with his concepts and line of reasoning. Maxwell was intrigued by the apparent lack of a unified theory of electric and magnetic behavior.

From Faraday's work and his own experiments, Maxwell derived a breathtaking concept and a set of elegant equations that encompassed the various laws of electricity and magnetism and which form today's basis of electromagnetic theory.

The unique picture presented by Maxwell of the interchange between electric and magnetic fields in free space was supported by a set of equations descriptive of any form of wave motion propagating itself freely from place to place.

Equation 1: $\text{div } E = 0$

Equation 2: $\text{div } H = 0$

Equation 3: $\text{curl } E = -1/c \; dH/dt$

Equation 4: $\text{curl } H = 1/c \; dE/dt$

In these equations, the term "E" represents the electric field, commonly expressed in Volts/meter, and the term "H" represents magnetic induction and is expressed in "Teslas" (1 Tesla = 1 Weber/meter squared).

The term "Div", referring to the mathematical operation "Divergence" is a measure of the total flow of E or H into or out of a point in space. Similarly, the term "Curl" is a mathematical operation measuring "vorticity", the amount of whirlpool-like structure about a point in space. A detailed analysis of Maxwell's Equations is beyond the scope of this article. However, a brief discussion of what each of the four equations describes follows:

Equation 1 states that in the absence of electric charges, electric lines of force can neither be created nor destroyed.

Equation 2 states that in the absence of electric charges, magnetic lines of force can neither be created nor destroyed. In addition, Equation 2 states that magnetic charges do not exist.

Equation 3 is a generalized statement of Faraday's Law that a changing magnetic field produces an electric field and that the ratio of the electrostatic units to the electromagnetic units is a constant related to the speed of light (300,000 kilometers per second/186,000 miles per second).

Equation 4 states that a changing electric field produces a magnetic field.

These four equations also showed that a "disturbance" in the electromagnetic field did not die out, but rather could propagate outwards from its origin in the form of waves traveling at the speed of light.

Maxwell termed such a disturbance in the electric and magnetic fields an "electromagnetic wave" and pictured it as an electric wave at right angles to a magnetic field with both waves propagating in phase. Maxwell was able to show that these waves have all the known properties of light. Light was therefore discovered to be an electromagnetic phenomenon.

As the 1800s neared an end, Heinrich Hertz (1857-1894) of Germany succeeded in generating electromagnetic waves of long wavelength, which we now call radio waves. Further, Hertz found that the velocity of these long waves was exactly equal to the velocity of light. Thanks to Maxwell and Hertz, we now know that light and radio waves are both forms of electromagnetic radiation, with light being composed of very short wavelength and radio waves composed of very long wavelength. Equation 5 shows the mathematical relationship between wavelength and frequency:

v = c/lambda

In Equation 5, the symbol "c" equals the speed of light in meters per second; the Greek letter lambda is the wavelength in meters; and the symbol "v" equals the frequency in Hertz (or cycles per second). A more convenient arrangement is to convert Hertz to megahertz (abbreviated "MHz"). The revised mathematical expression is shown in Equation 6:

v (in MHz) = 300/lambda (in meters)

To see how this relationship works, let us convert the mid-point wavelength of the Optical and Radio windows to their corresponding frequencies.

The mid-point wavelength of the Optical window is about two micrometers (or 0.000002 meter). Using the relationship in Equation 6, the corresponding frequency is 150 million MHz - a very high frequency indeed!

At the other extreme, the mid-point wavelength of the Radio window is about 0.5 meters. Again, using the relationship in Equation 6, the corresponding frequency is about six thousand MHz, or six gigahertz (GHz).

Most amateur radio telescopes operate in the meter wavelength range. For example, the radio telescopes described later in this series of articles will operate at a wavelength of about 2.9 meters. Using the relationship in Equation 6, the corresponding frequency is about 103 MHz.

With this perspective in mind, we will now look at the instruments used to investigate these two regions of the electromagnetic spectrum.

Short Wavelength Astronomy -

For millennia, humans were able to observe the Cosmos with only their unaided eyes. History has shown that the construction of major observatories has been a continuous practice for a wide variety of cultures of varying levels of sophistication.

However, for most of recorded time, these ancient observatories were concerned almost exclusively with astrology and not astronomy. Telescopes, as we know them today, were a relatively late addition to the complement of instruments in observatories. This is somewhat surprising, as the technology for making glass is ancient. The Mesopotamians were the first to fuse sand and ash together to form glass. By the year 1200 B.C., the Babylonians knew how to make objects of blown glass and the Chinese were manufacturing mirrors long before the birth of Jesus Christ.

However, no one put this technology together to make a telescope until sometime in the early 1600s. Spectacles were in use in Europe by the late 1300s, and it was probably a happy accident by an obscure spectacle-maker that resulted in the first telescope.

By chance, if one aligned two lenses, one concave and the other convex, objects far away appeared to be closer. Once the first telescope was made, word traveled quickly throughout Europe - so quickly, in fact, that it was impossible to ascertain the original inventor. Most scholars now believe that the actual inventor of the telescope was Dutch spectacle maker Jan Lippershey.

On August 25, 1609, the Italian astronomer Galileo Galilei (1564-1642) demonstrated one of his first telescopes, which had a magnification factor of nine, to officials of the Venetian government. A magnification factor of nine, or 9x, means that the object being viewed appears nine times closer than it actually is.

Although he had won over the Venetian officials, Galileo did not use this new instrument to observe the heavens right away. First he designed a more stable mount, then improved the optics to raise the magnification factor to thirty.

Perhaps more importantly, Galileo had to gain confidence in this new instrument, the "telescope". In the early 1600s, the eyes were believed to be the final authority about the truth of sizes, shapes, and colors. Lenses and mirrors were known to distort images by enlarging them, reducing them, or even inverting them. Galileo spent several months and countless experiments to convince himself that what he observed through the telescope was indeed real.

Once Galileo did turn the telescope toward the night sky, humanity's view of the Universe was changed forever. His observations of the four largest moons of the planet Jupiter and their motions demonstrated without doubt that Earth was not the center of orbital motion. This observation established empirically that one body (a moon in this case) could orbit a second (Jupiter) while the second body, in turn, orbited a third body (Earth's star, the Sun). The realization that the Milky Way Galaxy was composed of countless individual stars brought forth the idea that the Universe could be infinite in extent.

The Refracting Telescope -

The telescope that Galileo used to make these startling observations was a refractor telescope. A refractor consists of an objective lens at one end of a long tube and one or more lenses (which form the eyepiece) at the other end. Contrary to popular belief, it is the diameter of the objective and not the magnification of the eyepiece that is important in any telescope.

The primary job of any telescope is to gather as much electromagnetic energy (in this case, visible light) as possible. An image of a far away object, say a star, is a point of light surrounded by a diffraction disk.

The resolving power of a telescope (or how much "detail" can be revealed) is dependent on the size of the diffraction disk. The smaller the diffraction disk, the more detail can be resolved. The size of the diffraction disk is, in turn, directly related to the wavelength of the electromagnetic energy (light in this case) and the diameter of the telescope objective.

In general terms, the larger the objective the smaller the diffraction disk. If the wavelength and objective diameter are measured in the same units (for example, both measured in centimeters), then the smallest angle alpha (Greek letter) in seconds of arc that can be resolved by a lens (or mirror) of diameter "d" is given by the relationship shown in Equation 7:

alpha = 2.1 x 10 (to the fifth power) x lambda/d (arcseconds)

The formula shown in Equation 7 is called the Dawes' Criterion. It represents the theoretical resolution for a telescope. An example for telescopes of ten-centimeter (four-inch) and twenty-centimeter (eight-inch) diameter objectives may be instructive: In the examples shown in Table 1, wavelength (lambda) will be ten to the negative five centimeters (or 5,500 Angstroms - visible light in the yellow-green portion of the spectrum).

Table 1: Maximum Resolution of Optics (Dawes' Limit)

Aperture	Resolution
60 mm	1.93"
3"	1.52"
4.5"	1.02"
6"	0.75"
8"	0.58"
10"	0.46"
12.5"	0.37"
16"	0.29"

From the table, a ten-centimeter (four-inch) diameter telescope has a Dawes' Limit of 1.16 seconds of arc. This means that two celestial objects separated by 1.16 seconds of arc or greater will be resolved as two separate objects. Celestial objects separated by less than 1.16 seconds of arc will not be resolved and will appear as one object.

To give you some sense of scale, the diameter of a period appearing on this screen/page is about 180 seconds of arc when viewed from a distance of nine meters (three feet). That same period would subtend a distance of 0.023 seconds of arc when viewed from a distance of 0.8 kilometers (0.5 miles). By increasing the diameter of the telescope objective, the Dawes' Limit is correspondingly decreased. This same mathematical relationship also holds for radio telescopes, as we shall see.

Telescopes larger than twenty-five centimeters (ten inches) cannot reach the Dawes limit except under exceptional seeing conditions because of turbulence in Earth's atmosphere. To achieve their true potential, methods must be employed such as speckle interferometry, which removes atmospheric blurring by analysis of many freeze-frame snapshots of an object. At the present time, the largest refracting telescope on Earth has an objective lens of one meter (forty inches) in diameter. This refractor is at the Yerkes Observatory in Williams Bay, Wisconsin. The instrument went into operation during the 1890s.

Refractor telescopes tend to be somewhat expensive due to the high cost of the objective lens. Typically, modern refractor telescopes designed for the amateur astronomer tend to have objective diameters of ten centimeters (four inches) or less.

The Reflecting Telescope -

Most modern telescopes for short wavelength (optical) astronomy are of the reflector type. Unlike the refractor, the reflector telescope uses a parabolic mirror at the bottom of a long tube rather than a lens at the front of the tube. All of the large research telescopes are reflecting telescopes, with this type also being the most popular among amateur astronomers.

The reflecting telescope was first conceived by James Gregory, a Scottish scientist, in 1663. Sir Isaac Newton, a British physicist, is generally credited with the first practical reflector telescope, which he built in 1668.

There is a fundamental problem with using a mirror to collect and focus an image. To see the image you must place your eye at the point where the electromagnetic energy is focused (called the "prime focus"). Unfortunately, your head will get in the way and you will not see anything!

Newton got around this problem by placing a small mirror at an angle in the middle of the telescope tube. This mirror deflects focused energy from the mirror to a point outside the tube. This type of reflector is called a Newtonian, in honor of its inventor.

Another type of reflecting telescope was invented by the French mathematician Guillaume Cassegrain (c.1650-1700) in 1672. Cassegrain reflectors use a small convex mirror to intercept the energy from the primary mirror and reflect it back through a hole in the primary mirror. This type of telescope has the advantage of small physical size, as the energy path is folded inside the tube and is sometimes called a Catadioptric (meaning literally "many optical surfaces") telescope.

A more recent reflecting telescope design which is very popular with amateur astronomers is the Schmidt-Cassegrain reflector. This is a catadioptric-type reflecting telescope using a spherical primary mirror at the bottom of the telescope tube and a lens-like corrector plate at the front of the tube. The corrector plate compensates for astigmatism from the spherical reflecting surface. The Cassegrain secondary mirror is mounted to the inside surface of the Schmidt corrector plate. This telescope type has the advantage of lower cost (It is cheaper to make a spherical mirror than a parabolic mirror) and small size with excellent field of view.

The energy gathered by the telescopes described so far can be processed by our eyes. Because we can "see" the images produced by the telescope, astronomers use the term "magnitude" to describe the "brightness" (the amount of short wavelength energy flux, or light energy) received from a star or other luminous body.

The system of magnitudes currently used by astronomers to denote the brightness of stars was invented by the ancient Greek astronomer Hipparchus (c.180-c.125 B.C.). The brightest stars Hipparchus saw in the sky he called first magnitude stars. Those about half as bright he called second magnitude and so on to the sixth magnitude, which were the dimmest stars he could see. Later, when telescopes came into use, astronomers extended the Hipparchus magnitude scale to describe the dimmer stars that they could see in their instruments. Over time astronomers have refined the magnitude scale so that each magnitude difference of one corresponds to a factor of 2.512 in light energy flux. The apparent magnitude scale is shown below:

Sun (Sol)	-27
Full Moon	-12
Venus	-4
Sirius	-2
Unaided eye limit	+5 to +6
Binocular limit	+10
Pluto	+14
Visual limit for large telescopes	+20
Photographic limit for large telescopes	+25

One should be careful not to confuse "apparent magnitude", which is how bright the star looks to us from Earth, with "absolute magnitude", which is how much light energy the star is actually producing.

The absolute magnitude of a star is the apparent magnitude it would have if it were moved to a distance of exactly ten parsecs from Earth. Note: One parsec is a unit of astronomical distance equal to 3.26 light years. Therefore, ten parsecs is equal to a distance of 32.6 light years. For example: If the Sun was at a distance of ten parsecs from Earth, it would have an apparent magnitude of +4.8. The absolute magnitude range of other stars varies from -10 for the brightest to +15 for the dimmest.

Now that you know about the most common instruments for short wavelength (optical) astronomy, let us next look at instruments for long wavelength (radio) astronomy.

Long Wavelength Astronomy -

Unlike optical astronomy, we humans cannot "see" energy flux at radio wavelengths. In order to process energy flux at radio wavelengths, we must use a collection device to capture the energy flux and a conversion device to convert the received energy to a form that we can readily process. Astronomers call the radio energy flux collection device an "antenna". Conversion of the received radio energy into a form that we can process is handled by a "receiver".

In most cases, radio telescopes are categorized by the type and size of the antenna used. Most of the professional radio telescopes are categorized as Large Dish Antenna ("LDA") types.

Because we can not "see" electromagnetic energy at radio wavelengths, we must devise another way to describe the "brightness" of a radio source. Instead of the term "magnitude" to denote the brightness of an energy source, radio astronomers use the term "flux density".

The basic unit of flux density is "Watts per Square meter per Hertz". However, as most radio sources are extremely small fractions of that value, the basic unit of flux density is defined as a flux unit. One flux unit is ten to the negative twenty-sixth power watt per square meter per hertz.

To give you a sense of scale, the Sun has an average flux density of ten to the fourth power or ten thousand flux units at a frequency of about 150 MHz. Earth's Moon, in contrast, has a 150-MHz flux density of only 85 flux units.

Unlike optical astronomy, the most powerful radio source in the sky is not the Sun, but an extragalactic radio source named Cassiopeia A at a 150-MHz flux density of seventeen thousand flux units!

We can think of a radio telescope as analogous to an optical telescope in the following ways: The antenna in a radio telescope is analogous to the objective lens in an optical instrument. The Receiver is analogous to the eyepiece. Keep in mind that one does not "listen" to the output from a radio telescope in the same way that you listen to a conventional radio tuned to a typical radio station. The electromagnetic energy flux detected by the radio telescope covers a very wide band of frequencies and sounds very much like static.

A conventional radio uses a radio frequency filtering system to select a very narrow range of frequencies and reject all others (as when you "tune in" a radio station).

A radio telescope receiver, on the other hand, uses a similar radio frequency filtering system, not to select a very narrow frequency band, but rather to reject narrow band frequency interference from adjacent radio services. We want the radio telescope receiver to be as wide band as possible, in order to capture as much radio energy flux as we can.

In most cases, the output from a radio telescope is converted to digital code for computer processing or, as is the case with most amateur instruments, is converted to strip chart recorder output. In this later case, the position of a line on a sheet of graph paper represents the level of radio energy flux received by the radio telescope.

We can take our optical telescope analogy one step further in describing the types of radio telescopes. Remember, there are two fundamental types of optical telescopes, the refractor and the reflector. In like fashion, there are two basic types of radio telescopes: The Multi-Element Array (MEA)-type antenna, which is roughly analogous to the optical refractor, and the Large Dish Antenna (LDA), which is roughly analogous to the optical reflector.

Radio Telescope Refractors -

The typical MEA-type antenna is based on the Yagi-Uda multi-element antenna, usually called a "Yagi", in honor of its primary inventor. A conventional television antenna is an example of a Yagi antenna. This type of energy collector concentrates incoming radio energy flux toward a collecting element (usually called a "driven element") by using electrically isolated parasitic elements in front of and behind the collecting element.

An electrically conductive feedline (usually coaxial cable) is connected to the collecting element to convey the received radio frequency energy to the receiver. Electric currents are induced in the parasitic elements by the passing electromagnetic wave.

These induced currents in turn generate wave fronts of radio frequency energy that constructively or destructively interfere with the incoming radio energy. By adjusting the spacing between the parasitic elements and the collecting element and the length of the parasitic elements, the induced wavefronts can cause incoming radio energy flux to be concentrated at the collecting element. The parasitic elements in front of the collecting element are called "directors" and the parasitic element behind the collecting element is called a "reflector".

A multi-element antenna, such as the Yagi type just described, is said to be "directive" and has "gain". That is, the antenna is most sensitive or responds most readily to incoming radio energy flux in the direction that the directors are pointing. The term "gain" refers to the power gain of the antenna, or put another way, how much of the radio energy is concentrated toward the collecting element and is usually expressed in decibels (dB).

Another interesting antenna used in arrays is the Helical antenna invented by Dr. John Kraus of the United States in the early 1940s. This type of antenna uses a continuous antenna element in the shape of a coil or helix working against a ground plane.

A helical antenna has two characteristics that make it especially interesting for radio astronomy applications: The helix is circularly polarized (Contrast this with the Yagi antenna, which is linearly polarized), and its combination of broad bandwidth and high gain.

Unfortunately, the cross-sectional area, or aperture, of a single, multi-element antenna is rather small. The cross-sectional area, or the "effective aperture", of an antenna is not as straightforward as it might seem, but is a function of both antenna directivity and the antenna design center wavelength.

The mathematical relationship called Dawes' Criterion also applies to radio astronomy as well as the optical branch. As we have learned earlier, an optical telescope with an aperture (objective lens diameter) of ten centimeters (four inches) can resolve an astronomical object to within about one arcsecond.

The primary difficulty with radio telescopes is that the wavelength of radio energy is much greater than that for visible light energy. For example: Radio energy at a wavelength of twenty centimeters is roughly 400,000 times longer than the wavelength of visible light. As a result, to resolve the same angle of one arcsecond at a wavelength of twenty centimeters, a radio telescope would have to be nearly forty kilometers (24.8 miles) in diameter.

Fortunately, there are ways around this problem which will be discussed later. How much detail a radio telescope can resolve is a function of its "beamwidth". The "beam" is a cone-shaped bundle of radio energy of such an angular size that within it details cannot be resolved. The beam width would correspond in optical astronomy to the angular size of the central diffraction disk of a stellar image.

For a large optical telescope, that size would be roughly a few hundredths of a second of arc, but for a typical large radio telescope, the beam width is on the order of several minutes of arc. The beam width of a typical single multi-element Yagi antenna (similar to what may be used in a small amateur radio telescope), for example, is on the order of fifteen degrees! However, by connecting a large number of multi-element antennas together electrically in phase, the beam width can be reduced to about one to two degrees - still a far cry from one to two arc seconds!

The size of the antenna beam depends to a large degree on the wavelength. In general, the shorter the wavelength (the higher the frequency) the smaller the antenna beam. One way around the problem of large beamwidth is to use a techniques called "interferometry". In this technique, two identical radio telescope antennas are placed some distance apart. Incoming radio energy flux will strike one antenna a brief instant before the other one so that the two antennas will receive the same energy at slightly different times and thus will be "out of phase" with each other. The difference in phase between the two antennas can be measured electronically.

Because this phase difference depends on the angle of the radio source relative to the antennas, positional information on the radio source can be readily obtained with this technique. One of the projects to be discussed in this series is a two-station radio interferometer.

Radio Telescope Reflectors -

In an effort to reduce antenna beamwidth and improve the sensitivity of a radio telescope to weak sources of radio energy flux, radio astronomers shorten the radio wavelength at which they will observe and employ large reflecting "dish" antennas to collect and concentrate the radio energy. The form of these reflecting radio telescopes closely follows the form of their optical counterparts. It is interesting to note that the highest gain antenna on Earth (148 dB) is the five-meter (two hundred-inch) telescope on Mount Palomar in California. The very short wavelength of light energy causes such a high gain to be realized.

One of the most common radio telescope reflectors is the "Prime Focus" arrangement In this radio telescope configuration, the receiver is located at the prime focus. Another common radio telescope reflector arrangement is the Cassegrain system. This arrangement is similar to its optical counterpart in that a primary parabolic reflector and a convex secondary reflector are used to "fold" the radio energy path. This arrangement has the advantage of slightly smaller size and placement of the receiver where it is easier to adjust and service. The Cassegrain system (and its cousin, the Gregorian system, which uses a concave rather than a convex subreflector) is usually only used in very short wavelength radio astronomy (centimeter wavelengths and shorter). As the radio wavelength gets larger, the size of the sub-reflector must also get larger. A point is soon reached where the amount of energy blockage caused by the sub-reflector negates any advantage of the system.

Summary -

Speaking in general terms, both optical and radio astronomy are observing the same thing: Electromagnetic energy. The primary difference is the wavelength of the electromagnetic energy: Optical wavelengths being very short and radio wavelengths being very long. Since we can "see" optical wavelengths as visible light, our brain can be used in conjunction with our eyes to process information gathered by the telescope. Because we can not see in radio wavelengths, we typically use electronic devices to process the received energy collected by a radio telescope and convert it to a form that we can then "see". Astronomically speaking, the primary advantage of radio astronomy is its ability to detect energy sources hidden behind dark obscuring matter. This dark matter blocks the shorter wavelengths of visible light, but the longer wavelengths of radio energy are able to pass through the dark matter.

Another application of this characteristic of radio energy is Radar Astronomy. In this application, a high energy pulse of electromagnetic energy, at radio wavelengths, is directed toward an astronomical object. The reflected energy is then used to deduce details about that object. For example, the surface of the planet Venus is hidden from view at optical wavelengths by the planet's thick obscuring clouds. By using radar astronomy, we have been able to create computer-generated images of what the surface of cloud-covered Venus looks like. Radar astronomy has also recently been used to study the surface of the planet Saturn's largest moon, Titan, which is shrouded in thick orange clouds of nitrogen and methane.

Although radio astronomy has been a relatively late addition to the discipline of astronomy, it serves as a valuable "second eye" into the Cosmos. Because radio astronomy is a relatively young discipline, it offers the amateur radio astronomer a unique opportunity to work alongside the professional astronomical community to make valuable contributions to science. Future articles in EJASA will describe how to construct small, relatively inexpensive radio telescopes for use by amateur radio astronomers.

Editor's Note -

ASA members Bill Black and Jeff Lichtman coordinate a Radio Astronomy Interest Group for those who wish to pursue this important branch of observational astronomy. Both men operate their own radio telescopes: Bill's instrument detects meteors by reflection of distant television stations from ionized trails in the upper atmosphere. Jeff's dish measures intensities of variable sources. Low-cost availability of computers and radio components has opened the doors for amateur participation in this field. If you wish to learn more about the RAIG, please contact the ASA at one of the addresses listed in this EJASA.

Jeff is also President of the national Society of Amateur Radio Astronomers (SARA), an organization of nearly 250 radio hobbyists. For more information on SARA, please contact Jeff at the following address:

1425 Parkmont Drive
Roswell, Georgia 30076
Telephone: (404) 992-4959

Jeff is the author of "Getting Started in Amateur Radio Astronomy", in the February 1990 issue of EJASA.

About the Author -

David J. Babulski is an amateur astronomer and professional science writer, with particular interest in aerospace and radio astronomy. David's science articles have been published in such magazines as RADIO HANDBOOK and others.

David is the author of "Radio Astronomy: A Historical Perspective", in the February 1990 issue of EJASA.

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Center for High Angular Resolution Astronomy | President, Astronomical
Georgia State University, Atlanta, GA 30303 | Society of the Atlantic

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From 4531156897506658916
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6c0d9d365eea3523,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-05 14:23:41 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!MTS.RPI.EDU!
Joel_Glickman
From: Joel_Glickman@MTS.RPI.EDU
Newsgroups: rec.ham-radio
Subject: June VHF QSO Party
Message-ID: <1838219@MTS.RPI.EDU>
Date: 5 Jun 90 19:35:26 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 49
Posted: Tue Jun  5 20:35:26 1990
```

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************************************************
*             June VHF QSO Party               *
************************************************
```

W2SZ/1 will operate a multi-op station high atop Mt. Greylock in Adams, Massachusetts. Our location is:

Grid: FN32
Elevation: 3491 ft.
Latitude: 42.6364 degrees
Longitude: 73.1667 degrees

We will have active stations on *all* bands up to 24 GHz. If you would like to sked a contact, please E-mail me by 4:00pm Thursday afternoon.

We shall be on the calling frequencies of 903.100 Mhz and 1296.100 Mhz for the most part,

and you can establish contact to make a sked
for microwave contacts there if needed. We can
also be reached at * 518-864-5472 * during the
contest.

On the higher bands, we can be worked at:
2304.020 Mhz
3456.020 Mhz
5760.020 Mhz
10368.020 Mhz

We will of course be operating 6 meters, 2m,
220, and 432 stations. If you hear us on any
of these bands, give us a call and make a
sked for a higher band if you can.

Everyone can join in on the fun. It is,
after all, a QSO *Party*! If you have an FM
rig with 2 meters, 220, or 440 capabilities,
look for us on the following FM simplex freqs.
146.550 Mhz
223.500 Mhz
446.000 Mhz

****
See you on the air guys.......

Joel Glickman (KA1PRT)
2 meter op W2SZ/1
Mt Greylock, Massachusetts

From 5055122119773658326
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d9e700522c1b57d3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-05 14:33:01 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!trub
From: perley@trub (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: qsl bureau, czech is in the mail?
Message-ID: <8215@crdgw1.crd.ge.com>
Date: 5 Jun 90 20:03:44 GMT
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@trub.crd.ge.com (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 13
Posted: Tue Jun 5 21:03:44 1990

Last night I worked an OMxxx who said to "qsl via the buro". There
has been enough here about how managers work, but how about bureaus?

Do I mail my card to his bureau with IRC, or does he reply to the US bureau?

My callbook lists OL and ON as Czechoslovakia and Belgium with OM
allocated to the Czechs but none issued yet, so unless I hear
different, I will assume it is Czech.

-don perley ke2tp
perley@trub.crd.ge.com

From -7799706363471811276
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b996e5b09ab18b3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-05 15:07:35 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
usc!apple!ames!pacbell.com!pacbell!sactoh0!jre
From: jre@sactoh0.UUCP (Jim R. Earl)
Newsgroups: rec.ham-radio
Subject: Re: Dual-banders
Keywords: Need info
Message-ID: <3211@sactoh0.UUCP>
Date: 5 Jun 90 17:23:39 GMT
References: <8105@b11.ingr.com>
Reply-To: jre@sactoh0.UUCP (Jim R. Earl)
Organization: SAC-UNIX, Sacramento, Ca.
Lines: 18
Posted: Tue Jun 5 18:23:39 1990

The Kenwood 731 has two antenna ports. I highly recommend
this radio. It is the best dual-bander I've ever used.

It has 14 memories per band, plus a seperate VFO per band,
plus a call channel. I've got more memories than I know
what to do with. And it is easily modified to receive
out of band (so it can be used as a scanner to listen
to the fire dept, etc).

It is also easily modified (just clip a diode) to operate
as a "cross-band repeater", which allows you to use the
radio as a "mobile extender" from your low-powered HT.

--
```
####################################
# UUCP=...ames!pacbell!sactoh0!jre #
# SAC-UNIX, Sacramento, California #
####################################
```

From 9158616166682548479
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d9e700522c1b57d3

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-05 15:26:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!tut.cis.ohio-
state.edu!purdue!bu.edu!xylogics!transfer!crackers!m2c!umvlsi!umaecs!lkay
From: lkay@ecs.umass.edu (Leonard Kay, KB2R (UMass/Amherst))
Newsgroups: rec.ham-radio
Subject: Re: qsl bureau, czech is in the mail?
Message-ID: <9997.266c3178@ecs.umass.edu>
Date: 5 Jun 90 22:26:00 GMT
References: <8215@crdgw1.crd.ge.com>
Lines: 32
Posted: Tue Jun  5 23:26:00 1990

In article <8215@crdgw1.crd.ge.com>, perley@trub (Donald P Perley) writes:
> Last night I worked an OMxxx who said to "qsl via the buro".  There
> has been enough here about how managers work, but how about bureaus?
>
> Do I mail my card to his bureau with IRC, or does he reply to the US bureau?
>

Yes and no. You don't need the IRC; just mail the card. However, that's still
a 45c stamp. If you're a big gun and work 1000+ DX stations a month, then you
*may* want to speed up your replies by bundling all your Russian QSL's, etc.
and sending them to the buros yourself.

The other method, for everyone else (like you & me) is to use the ARRL's
Outgoing Buro. If you're a League member, the details are in QST every few
months or so. Basically you sort your cards by prefix, mail 'em to Newington
with $2 per pound, and *they* send the mail sacks overseas. You gotta be a
member to use it. If that doesn't seem fair, remember that most DX stations
have to be a member of their League to even get *incoming* cards.

> My callbook lists OL and ON as Czechoslovakia and Belgium  with OM
> allocated to the Czechs but none issued yet, so unless I hear
> different, I will assume it is Czech.

You assume correctly. I've been hearing OM calls for a few weeks now.


Len

------------------------------------------------------------------------
Leonard Kay, KB2R  UMass/Amherst      |  "It's always darkest just
(413)545-4762      lkay@ecs.umass.edu |    before it's totally black"
------------------------------------------------------------------------


From -326928907290931421
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3a44f2887631a6b5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-05 15:32:30 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!bu.edu!mirror!necntc!necis!rbono
```

From: rbono@necis.UUCP (NM1D)
Newsgroups: rec.ham-radio
Subject: ICOM IC24/AT realy does more than advertized
Keywords: IC24AT, ICOM, receive, simplex repeat
Message-ID: <1335@necis.UUCP>
Date: 5 Jun 90 16:14:38 GMT
Organization: NEC Technologies, Inc., Boxborough, MA
Lines: 130
Posted: Tue Jun 5 17:14:38 1990

I have seen several postings concerning the ICOM IC-24AT. This is the latest/hotest hand held tranceiver from ICOM, the local radio shops (there are three of them in the area) can't keep these things in stock, one store sold 10 of them in less than a week! Most postings were concerning how to "modify" the radio to expand its receive range, and how to get it to do 'cross-band-SIMPLEX-repeat' functions.....

Well, I purchased one of these neat little 'babies' for my wife!!! She recently passed her Extra exams (she is now WG1G), and held me to my promise of buying her any radio that she wanted if she passed the Extra. (Boy, am I glad she doen't *like* CW and has not YET found out how much fun the HF bands are... I might have had to buy her an IC-781..... about $6,000.00!!!).

So I thought that I would let the net know what I have found out about this radio first hand.... (instead of a 'I heard that it can do this' message).

The radio is very well designed (in my opinion). No, there is not just one Integrated Circuit inside the thing!!! It appears to be very ruggedly constructed. Out of the BOX it does everything that ICOM says.

One thing that is confusing in the advertisements.... they state that each memory channel (there are 40 of them) is 'double spaced' and can hold a separate frequency for each band. This implies to me that I should be able to use about 80 channels (since the radio has two bands, 2 meters, and 70 cm). What this really means is that each memory 'channel' can hold all information concerning offset, split, etc... and including, FOR CHANNELS PROGRAMMED AS FULL DUPLEX or 'split' mode, both frequencies used for the 'split' operation (this 'split' is for full duplex-cross-band, not a transmitter offset for repeater use). Although you can (with some button pushing) use each frequency stored as 'split' in a simplex mode, you have to not mind pushing a few buttons.

By the way, only one 'band' can be active at a time... you can't listen to both bands at the same time. My wife thinks that this is a blessing... If you were able to listen to both bands at the same time, there could be confusion on which band someone called you from.

Here is some of the "interesting" information. The so-called "modification" to enable the wide range RECEIVE ONLY frequency converage did NOT require any hardware changes to the unit.... (a FEW early units did require a diode to be removed)... simply hold down a few buttons when turning on the unit and keep them held until the unit is done with it's self test (Light-B-#).

If you also do one of the following (each one override the other) you can 'modify' the method used to enter the frequency: (Hold down the indicated keys WHILE turning on the power switch)

Light-1	must enter the 1 MHz through 5 KHz (4 digit entry)
Light-2	must enter the 10 MHz throuth 5 KHz (5 digit entry (default))
Light-3	must enter the 100 MHz throuth 5 KHz (6 digit entry)

When the Light-3 mode is set, I can get the radio's display to go from 0.000 to 1.3GHz (or so, enter 999.995 MHz and then use the 'vfo' knob to 'scroll' up into the 1 GHz 'display' range).... sorry to report that the dislpay shows that the PLL is 'unlocked' over *most* of this range.

The radio will RECEIVE (only) on many interesting frequencies... alas, some have lower sensitivity (this is acutally a plus, the radio's front end is not as wide open as a 'barn door').

I have heard significant signals on the aircraft band (Yes it does demodulate the AM signals here), the Marine, and VHF commercial range (including NOAA weather), and a lot of interesting signals around the 800+ frequency range. Sorry to say that the sensitivity is a bit lacking around the 220MHz range. I live less than 1/2 mile from a 220MHz repeater and I couldn't hear the repeater on the IC24AT with it's flexible antenna... yet I could hear a 1 watt handheld when used on my property (line of sight??).

The radio offers a significant number of scanning modes, searching, etc, that can be programmed as each user desired... see the manual, there are too many 'programmable' modes to mention here.

The ONE hardware mod that I performed on my radio (oops, her radio) was the removal of a diode from the CPU board... the diode is VERY easy to locate (D14), it is NOT a 'surface mount' device, and it's very obvious, it can be 'clipped' out if the user is not handy with a soldering iron (if you are not handy with tools, DON'T dive into your radio... get someone to help you who is technically able).

After D14 is removed, the radio can be placed into 'cross-band-simlex-repeat' mode by pressing a few buttons (Function-5D). This works ONLY when the radio is set to 'split' mode (Function-C). The way it works is as follows:

Program two SIMPLEX frequencies into the VHF and UHF vfo's and set the radio for cross-band-full-duplex (press Function-C until the 'split' indicator is displayed) (or use a memory channel programmed for 'split' operation), then put the radio into 'reapeat' mode (press Function-5D). The radio will start to quickly 'scan' back and forth between the two frequencies. When a signal opens the squelch on one band, the transmitter turns ON on the other band, viola! instant SIMPLEX repeater! When the first signal drops its carrier, the radio continues to scan the two frequencies. To turn off the 'repeater' function, press Function-D.

This works great, and will allow a 146MHz to 440MHz 2 way link. But you must remember that it is a SIMPLEX link. As long as there is a carrier present, the transmitter is ON for the other band. DON'T TRY TO LINK TO A 'STANDARD' REPEATER in this mode. One drawback (or blessing) is that the transmit offset is cancelled when in split mode. This forces a simplex circuit on each band.

We have used these types of things to allow hams without 146MHz hand held radios to work with a public service event that is using a 146MHz simplex frequency as the operating frequency. One of these babies set to 'link' in a 440MHz to the operating 146MHz frequency allows hams with 440 hand helds to operate. We just have to be careful about several things....,
there is no (auto) IDer... so we need to remember to ID the link in voice.
Also, don't remote mount one of these babies... if something goes wrong, the only control is to walk up to the unit and turn it off, or press some buttons.... BE CAREFULL out there, and refer to part 97 of the FCC rules governing links, remote bases, repeaters, and other such things!!!

I hope *someone* finds this information useful.   I am sorry that I don't have the radio in front of me so that I can describe a lot of other things that it does... But my wife will not let me near the thing!!! She says that everytime I pick it up, I reprogram it, and don't return it to her 'favorite' settings.... Gee, maybe there is a way to program its mode for a particular operator, with password security, and such!!!! I'll just have to sell my IC-u2AT, IC-3AT so that I can afford one of these IC-24ATs for myself!!!

Rich (NM1D)

--

```
 /**************************************************************************\
 * Rich Bono (NM1D)    If I could only 'C' forever!!    rbono@necis.nec.com *
 * (508) 635-6300          NEC Technologies Inc.               NM1D@WB1DSW *
 \**************************************************************************/
```

From 8437391443388610425
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cd208992aac66b0f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,b96f048026928885,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-06-05 17:36:57 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: TNC Simulation
Summary: telephone line levels, modems
Message-ID: <808@ssc.UUCP>
Date: 6 Jun 90 00:36:57 GMT
References: <12183@shlump.nac.dec.com>
Organization: very little
Lines: 24

Posted: Wed Jun 6 01:36:57 1990

In article <12183@shlump.nac.dec.com>, pompano@deaths.dec.com (Jim Pompano)
writes:
>
> Is anyone aware of software that will emulate a TNC?

The only one I am aware of works on the Commodore 64.
>
> The second part of the above "project" is getting the signal amplified from
> the radio output level (mv?) to modem-input level (24-48 volts). I was
> planing on building a simple audio amp (with good freq-response).
>

Your modem requires telephone line levels of +30 to +36 dBm??!!?!? I don't
think so. You must be thinking of the ON HOOK DC from the PBX or Central
Office....not the AC signal levels on the line.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -380884658124161296
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95451e385318ebb8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-05 17:42:12 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!swrinde!cs.utexas.edu!mailrus!news-server.csri.toronto.edu!utgpu!watserv1!watmath!att!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: QSL'ing for money
Keywords: QSL cards, money, $1
Message-ID: <998@tsdiag.ccur.com>
Date: 5 Jun 90 12:58:13 GMT
References: <991@tsdiag.ccur.com> <1990Jun2.134941.28957@cbnewsk.att.com>
Organization: Concurrent Computer Corp. Oceanport NJ
Lines: 59
Posted: Tue Jun 5 13:58:13 1990

In article <1990Jun2.134941.28957@cbnewsk.att.com> wheatley@cbnewsk.att.com
(steven.m.wheatley) writes:
-In article <991@tsdiag.ccur.com>, davet@tsdiag.ccur.com (Dave Tiller N2KAU)
writes:
->

-> Could earning money in excess of the cost of QSL cards, postage, etc
-> be considered doing buisness on the air? Just like VE's aren't allowed
-> to charge more than the cost of materials for exams, couldn't the same
-
-With few exceptions...the manager does not
-request more than the cost of returning the card. In fact, consider
-that, if one sends a manager a SASE with his/her card, then the
-manager AUTOMATICALLY is out some money due to QSL card printing.
-Admittedly that isn't much, but when you get something in excess of
-500 cards per month (as I do), it adds up. Add to that the cost of
-replying to bureau replies (the envelopes at the bureau, postage and
-cost to send back thru the buro, etc...) NOT TO MENTION THE TIME!,
-QSL managing isn't a profitable situation.   (Note...some managers
-DO NOT reply to bureau cards, but there is increased pressure from
-various ham organizations to do so).
-
-The folks that send a greenstamp for return postage without being
-required to do so are essentially 'donating' to the QSL manager's
-war chest. I think your point is interesting, but unless required,
-the money sent above and beyond the cost of returning a QSL is
-usually an attempt on that ham's part to keep the Manager from
-LOSING any more money, rather than 'padding his/her wallet'. As
-mentioned earlier, of all the DX stations I QSL for, the balance
-runs positive for only one, that because he is extremely rare, and
-does some 1000+ contacts a month, often on rare modes (VHF,
-Satellite, RTTY, etc). The balance is kept near '0' by sending
-equipment to further these operations. I am more comfortable doing
-this than 'pocketing' the change, but this decision is my own. I
-suspect, having been in this arena for some time, that managers are
-not a profitable function. If you doubt it, try being one sometime!
-
-73, steve ku9c

In my original article I didn't intend to imply that all or even most
QSL managers are trying to line their pockets!! I understand that the
vast majority are volunteering their time and efforts (and sometimes money)
to the cause, and I appreciate that. The problem I have is with folks who
say, "You want my QSL? Send SASE and $1." If they expect me to pay return
postage that's OK, but I fear too many people are using QSL cards to finance
trips and the purchase of new equipment. This income is earned over the air,
and IMHO, could be construed as business/using Amateur radio for profit.
QSL'ing is for the joy of collecting cards from exotic places, not for trying
to finance your next DXpedition or your next rig out of it. If money is
earned(?) above and beyond the cost of QSL'ing, I think that (ideally) it
should go back to the Amateur community at large, either donated to RACES
or other worthwhile public service, Amateur related groups. Another place
that needs money is for educating the young about AR. What about setting
up a program (like uniden) to donate radios/time for schools out of this
money? Just a thought. I'm sorry if I offended any QSL managers - you don't
set your Dx station's policy for QSLing, they do. I know you put in long
hours and lots of labor, and I certainly do appreciate it!

--
David E. Tiller   davet@tsdiag.ccur.com | Concurrent Computer Corp.

```
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

From 2991504913442081655
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,413e346e45caf6b3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-05 19:10:39 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!ISS1.AF.MIL!THM33
From: THM33@ISS1.AF.MIL (Tom Mullins - WB8MVR)
Newsgroups: rec.ham-radio
Subject: EBS NUCLEAR CART
Message-ID: <9006060107.AA21810@ucsd.edu>
Date: 5 Jun 90 14:01:49 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Tue Jun 5 15:01:49 1990

I've always been curious about the EBS Nuclear Announcement also.
C'mon, P*O*S*T IT !!!

```
----------------------------------------------------------------------
Tom Mullins - WB8MVR   | Uh, Biplane on short final - Get a move on,
FTD/SDJMM              | You've got a P-51 on your tail!
WPAFB, OH 45433-6508   |
THM33@ISS1.AF.MIL      |        - Unknown Controller, Oshkosh, WI
----------------------------------------------------------------------
```

From -6188628674468245230
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e38c23490a05af69,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-05 19:21:15 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!
cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Yaesu FT-101EE questions
Message-ID: <9006052049.AA26601@ti.com>
Date: 5 Jun 90 20:14:41 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 34
Posted: Tue Jun 5 21:14:41 1990

In lrj@helios.tn.cornell.edu Lewis R. Jansen writes

>I put an Ohm meter across the mic terminals (with the mic disconnected
>and saw ~500 ohm impedance.

Impedance is a term that is associated with AC circuits. An ohm-meter is a DC circuit instrument. Although the term "ohms" is used as the unit of measurement of resistance and impedance, the two are not synonymous. An ohm=meter cannot measure impedance *UNLESS* you are positive that what you are calling impedance is a pure resistance.

If there is a capacitance or inductance anywhere in the circuit path you were measuring, the impedance could be far different from the resistance you saw on the meter. Note that the formula for impedance (Z) includes resistance, capacitance and inductance:

```
                 /---------------
       Z = sqrt (R-square + (XL - XC))
```

If by keying the transmitter you get a different-from-normal reading with NO modulation, I would doubt that the input and mike impedances would be a consideration. It would be better to know what the pin-outs of the mike are compared to what the rig's mike connector wants to see. Sounds more like a keying-line problem to me. I'd double check the connector wiring for the mike against the FT-101 schematic.

Errata the formula above should have read:

```
       Z = sqrt (R squared + (XL - XC) squared )
```

Regards,
73,
Dube Todd   N5PDK

From 5983368204456009OO
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3927be313d362d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-05 20:15:41 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!ucsd!ucbvax!HICKAM-EMH.AF.MIL!1843eie
From: 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE")
Newsgroups: rec.ham-radio
Subject: Looking for a Butternut Butterfly antenna
Message-ID: <9006060248.AA10829@uunet.uu.net>
Date: 6 Jun 90 02:44:46 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 21
Posted: Wed Jun 6 03:44:46 1990
X-Unparsable-Date: 4 Jun 90 18:09:00 GMT-10:00

INTEROFFICE MEMORANDUM

Date: 4-Jun-1990 06:06pm HST
From: 1843EIG/EIE
1843EIE
Dept: 1843EIG/EIE
Tel No: 656-1158

TO: Remote Addressee (_INFO-HAMS%UCSD.EDU@UUNET.UU.NET)

Subject: Looking for a Butternut Butterfly antenna

Would the gentleman who's looking for the butterfly beam please email me with a good return path at 1843 EIE"at"Hickam-EMH.AF.MIL? I tried email, but of course, it bounced.

73 and Aloha,

Jeff WD6CQV/KH6

From -1778886037931956970
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16d9f08f560aebaf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-05 22:10:30 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!jarthur!uci-ics!ucla-cs!eel!cccph
From: cccph@eel.cs.ucla.edu (Charles Hobbs)
Newsgroups: rec.ham-radio
Subject: Re: EBS Nuclear Announcement
Message-ID: <35994@shemp.CS.UCLA.EDU>
Date: 6 Jun 90 04:15:19 GMT
References: <9006032356.AA15701@ucsd.edu>
Sender: news@CS.UCLA.EDU
Reply-To: cccph@eel.cs.ucla.edu (Charles Hobbs)
Organization: UCLA Computer Science Department
Lines: 22
Posted: Wed Jun 6 05:15:19 1990
Distribution:usa

In article <9006032356.AA15701@ucsd.edu> TCOMGRD1@OUACCVMB.BITNET writes:
.
.
. (stuff about a particular radio station deleted)
.
.
>early) for the EBS. There were 2 carts, bright flourscent orange, marked
>something to the effect of: EBS (0:30min [30secs]) xx/xx/xx [date] Male Voice.
>"Thermonuclear Announcement". I asked what the heck they were, and was told
>that they (one male voice and one female voice) were the tapes to be played
>in event of Nuclear War. Ever curious, I asked what they said. No one knows.
>It seems only the station manager has ever heard them, and he decided that

>they are potentially too stress provoking to let anyone else hear.
>
The tapes probably say...."Duck and cover under a table....place
your head between your legs....and kiss your #@$ goodbye!!!"
:-)

Charles P. Hobbs, N6YMK @ K6VE....
Internet: cccph.eel.cs.ucla.edu   Plink: oar001   Genie: C.HOBBS

From -8610659302368745731
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae87c61a01be8e4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-06 03:18:46 PST
Path: gmdzi!unido!mcsun!uunet!stretch.cs.mun.ca!leif!rockwood
From: rockwood@kean.ucs.mun.ca
Newsgroups: rec.ham-radio
Subject: California Help Needed
Message-ID: <93331@kean.ucs.mun.ca>
Date: 6 Jun 90 10:18:46 GMT
Organization: Memorial University. St.John's Nfld, Canada
Lines: 18
Posted: Wed Jun 6 11:18:46 1990

With a California trip fast approaching, and plans to be in
Sacramento, San Francisco and Los Angeles over a 3 and 1/2
week period, I hope to do some operating on 2 meters. Does
anyone have a listing of OPEN repeaters for these areas? I'm
told by some people who've been to these areas that there are
a lot of closed repeaters and that it's very difficult to find
many that are open to all users.
Also as most of my time will be spent in the Sacramento and
San Francisco areas, I plan on doing a little shopping as well.
I hope to trade in my ICOM micro 2AT on a 2SAT, and possibly
pick up a couple of other goodies (good second hand if I can
find it).
So would anyone have any recommendations on Ham Stores in
Sacramento particularly??
Please E-Mail
Thanks in advance.

Art Rockwood VO1AX

From 3557939170574099827
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6ddb4d59e91fd7c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 18:26:24 PST
Path: gmdzi!unido!mcsun!uunet!seismo!ukma!rex!uflorida!uakari.primate.wisc.edu!

```
zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!STL-06SIMA.ARMY.MIL!
wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: Re:  QSL managers
Message-ID: <9006011932.AA20091@ucsd.edu>
Date: 1 Jun 90 19:32:56 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 23
Posted: Fri Jun  1 20:32:56 1990
```

The latest (June '90) issue of CQ has a letter in the letters-to-the-editor column from a QSL manager about some of the problems and expenses he has, and he suggests they run an article explaining *all* the details and proper procedures for QSLs via bureaus and managers. There was no editorial response indicating that the magazine would do this, but, since there's been so much discussion here on the net about this topic, I think one of you out there could make a little money on the side by writing such an article and submitting it to CQ. I know that I didn't really understand what the problems he was complaining about really were, and I'm sure others could use clear and detailed explanations, aimed at a level starting with the very basics, and written with practical considerations in mind -- exactly what actions should the ham take, and what should the manager/bureau do, to handle all this stuff with the maximum efficiency, speediest turnaround, and minimum cost (to *all* concerned).

(If anyone out there does this, do it on-line, and send the list an electronic copy of the article so we can compare it with the edited version that eventually gets published. So many people claim magazine editors mangle their submissions that it would be informative to have a chance to see the "before and after" of such an exercise.)

Regards, Will

```
From -6998829625240582316
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c43d3abf4f8a5d7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 18:47:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!think!samsung!usc!pollux.usc.edu!
kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: Shortest Ham Call ?
Message-ID: <25016@usc.edu>
Date: 1 Jun 90 02:11:05 GMT
References: <30500560@ux1.cso.uiuc.edu>
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 17
```

Posted: Fri Jun 1 03:11:05 1990

In article <30500560@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>It just so happens that the call signs K0A-K9Z, N0A-N9Z, and W0A-W9Z
>are allocated to the Amateur Service.

If they would use them, it might be nice to let them be chosen only by extras who had had amateur (extra class) licenses for some long continuous period, like 25 years or more.

There is a great difficulty in choosing a method which is somewhat fair, and I think this method is fair, and it would also be possible to make sure that the demand didn't exceed the supply by making the long continuous period long enough.

Also, I think you might have overlooked, K0-K9, N0-N9, W0-W9, and AA0-AL9.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From 3196444124848633302
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c979a163ceca76c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5280,f0d590d3f79e68ec,start
X-Google-Attributes: gidf5280,public
X-Google-ArrivalTime: 1990-06-01 18:48:46 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!pasteur!helios.ee.lbl.gov!nosc!crash!guhsd000
From: guhsd000@crash.cts.com (Paula Ferris)
Newsgroups: rec.ham-radio
Subject: Re: Neat ham tricks...
Message-ID: <2949@crash.cts.com>
Date: 1 Jun 90 19:47:09 GMT
References: <9005262018.AA09589@ucbvax.Berkeley.EDU> <5540035@hpccc.HP.COM> <1375@yenta.alb.nm.us>
Organization: HALE Telecommunications, San Diego
Lines: 18
Posted: Fri Jun 1 20:47:09 1990
X-Local-Date: 1 Jun 90 12:47:09 PDT

Reguarding the burger place....

While I'm in the mobile, I'm usally yacking at my pal who lives about 2 blocks from me, and when I get to the window, the girl usally has a goofy look on her face. I have an AS 927 antenna, which is pretty fine, and un-noticible, esp from the angle of her position at the driveup window.

I ask her, "What's wrong?" not realizing I'm bleeding over again, to which she replied "Something strange is happening..."

Then I realize what happened, and pick up the mike, turn it up all the way, and
said to look for Rod Sterling, she turned around as I was still keyed up...

"THAT'S SOOooo WIERD!!"

I now play little mind games with them, mumble something like Cancel the order,
and I'd like a orange drink instead, when there's no one at the intercom...

From 8624054051291261307
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c43d3abf4f8a5d7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 19:17:32 PST
Path: gmdzi!unido!mcsun!uunet!salt.acc.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Shortest Ham Call ?
Message-ID: <14059@ucsd.Edu>
Date: 1 Jun 90 02:38:33 GMT
References: <30500560@ux1.cso.uiuc.edu> <25016@usc.edu>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 15
Posted: Fri Jun 1 03:38:33 1990

In article <25016@usc.edu> kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
>In article <30500560@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>>It just so happens that the call signs K0A-K9Z, N0A-N9Z, and W0A-W9Z
>>are allocated to the Amateur Service.
>
>If they would use them, it might be nice to let them be chosen only by
>extras who had had amateur (extra class) licenses for some long
>continuous period, like 25 years or more.

I think special call signs such as these should be reserved for those
hams who have in some technical way advanced the state of the art.
There'd be damned few qualified applicants.

Let's start rewarding quality instead of quantity, eh?
     - Brian

From 1979678879035441380
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6fa2f3f95de08199,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 19:28:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com (DUBE TODD)
Newsgroups: rec.ham-radio
Subject: Callsigns
Message-ID: <9006010327.AA01739@ti.com>

Date: 1 Jun 90 03:13:35 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Fri Jun 1 04:13:35 1990

Just a little while ago I had the pleasure of working Stan, N1HAM. Now
THERE'S a call you could be happy with!

73,
Dube   N5PDK

P.S. Stan's in Bangor, Maine, in case you want to point your beams his way.

From 3440949621630068044
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c43d3abf4f8a5d7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 19:54:53 PST
Path: gmdzi!unido!mcsun!uunet!deimos.cis.ksu.edu!maverick.ksu.ksu.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Shortest Ham Call ?
Message-ID: <30500562@ux1.cso.uiuc.edu>
Date: 1 Jun 90 04:18:00 GMT
Lines: 12
Nf-ID: #R:<9005302304.AA13302@cmr.ncsl.nis:-38:ux1.cso.uiuc.edu:30500562:000:439
Nf-From: ux1.cso.uiuc.edu!phil   May 31 23:18:00 1990
Posted: Fri Jun 1 05:18:00 1990

> I think special call signs such as these should be reserved for those
> hams who have in some technical way advanced the state of the art.
> There'd be damned few qualified applicants.
>
> Let's start rewarding quality instead of quantity, eh?
>   - Brian

I agree on this one 100%.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 4812593459947857242
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c43d3abf4f8a5d7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 19:58:31 PST
Path: gmdzi!unido!mcsun!uunet!deimos.cis.ksu.edu!maverick.ksu.ksu.edu!

ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Shortest Ham Call ?
Message-ID: <30500561@ux1.cso.uiuc.edu>
Date: 1 Jun 90 04:17:00 GMT
Lines: 27
Nf-ID: #R:<9005302304.AA13302@cmr.ncsl.nis:-38:ux1.cso.uiuc.edu:30500561:000:1075
Nf-From: ux1.cso.uiuc.edu!phil   May 31 23:17:00 1990
Posted: Fri Jun 1 05:17:00 1990

> If they would use them, it might be nice to let them be chosen only by extras who had had amateur (extra class) licenses for some long continuous period, like 25 years or more.

Seems reasonable, although I'd think I'd rather hold them for things like special events and such.

We could also have a super class requiring an EE dissertion and 40 WPM and them have them.

> There is a great difficulty in choosing a method which is somewhat fair, and I think this method is fair, and it would also be possible to make sure that the demand didn't exceed the supply by making the long continuous period long enough.

No matter what system might be considered, it would be very important for the FCC to recycle the calls.

> Also, I think you might have overlooked, K0-K9, N0-N9, W0-W9, and AA0-AL9.

I believe these were aallocated to something else. They definitely were not allocated to the amateur service.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 3616926342428222702
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8316fbd0ec91f004
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8316fbd0ec91f004
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-06-01 20:01:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!nosc!crash!skipsand
From: skipsand@crash.cts.com (Skip Sanders)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Who's on 407.75MHz?
Keywords: Mystery Frequency

Message-ID: <2937@crash.cts.com>
Date: 1 Jun 90 03:30:28 GMT
References: <3342@radio.oakhill.UUCP> <4ab5c461.20b6d@apollo.HP.COM>
Organization: Crash TimeSharing, El Cajon, CA
Lines: 3
Xref: gmdzi rec.ham-radio:11911 rec.radio.shortwave:1374
Posted: Fri Jun 1 04:30:28 1990

Actually, it's more likely to have been MARINE-ONE... it's only AF-1 if it's an Air Force Aircraft. the Helios used by the President are usually Marine Corps Aircraft.   Same thing applies to Navy-1, Coast Guard-1, etc.

From -7527103038513027544
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,827336fb2036282b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 20:17:12 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!apple!vsi1!wyse!pgraham
From: pgraham@wyse.wyse.com (PC-NFS Philip Graham x2530 dept200)
Newsgroups: rec.ham-radio
Subject: Satellite antenna help?
Keywords: Satellite Antenna Oscar
Message-ID: <2738@wyse.wyse.com>
Date: 1 Jun 90 20:53:56 GMT
Organization: Wyse Technology, San Jose
Lines: 23
Posted: Fri Jun 1 21:53:56 1990

Hello all,
I am looking to get into satellite and I have found (but not yet aquired) a KLM 435-40CX, KLM 2M-22C and a Kenpro KR500 Elevation rotor...

What I need is feedback about each of these. I am just starting out so any feed back would be great!

I have heard that these may have too narrow beamwidth and this may make tracking satellites difficult, can any one comment on this?

I have also heard that if you do not have the space you can remove one section (the end director) and you can shorten the antenna from 19 ft to about 15 feet. While this affects gain a little the antenna is still supposed to perform as well as antennas of this size.

Thanks inadvance folks...
DE KJ6NN
Phil

(You can also reply to KJ6NN @ N6IIU-1)
(on packet or on the Northern Cal packetcluster)

From 4788515625023754923
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6fa2f3f95de08199
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 20:31:24 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!voder!pyramid!prls!philabs!
briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Re: Callsigns
Message-ID: <97633@philabs.Philips.Com>
Date: 2 Jun 90 03:31:24 GMT
References: <9006010327.AA01739@ti.com>
Sender: news@philabs.Philips.Com
Reply-To: rfc@briar.philips.com.UUCP (Robert Casey)
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 4
Posted: Sat Jun 2 04:31:24 1990

I imagine noone would want to be assigned A1DS nowdays.

Is this a USA call, or is A1 assigned to another country? I don't believe
that this is a USA call myself.

From 1847645823187304447
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c43d3abf4f8a5d7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 20:32:36 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: Shortest Ham Call ?
Message-ID: <25021@usc.edu>
Date: 1 Jun 90 05:34:45 GMT
References: <30500560@ux1.cso.uiuc.edu> <25016@usc.edu> <14059@ucsd.Edu>
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 11
Posted: Fri Jun 1 06:34:45 1990

In article <14059@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>I think special call signs such as these should be reserved for those
>hams who have in some technical way advanced the state of the art.
>There'd be damned few qualified applicants.
>Let's start rewarding quality instead of quantity, eh?

Brian, I wholeheartedly agree with you. I take back my original
suggestion. Let's stand together and fend off the impending attacks

from the so-called "public service" hams.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

```
From 7904100877365372934
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e0977f608ee69c6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 111787,9e0977f608ee69c6,start
X-Google-Attributes: gid111787,public
X-Google-Thread: 10a89e,9e0977f608ee69c6,start
X-Google-Attributes: gid10a89e,public
X-Google-ArrivalTime: 1990-06-01 21:27:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!tut.cis.ohio-state.edu!ucbvax!
ucdavis!csusac!sactoh0!flt
From: flt@sactoh0.UUCP (Frank L. Topping)
Newsgroups: rec.railroad,rec.ham-radio,sac.general
Subject: Czech Pony Express Riders!
Message-ID: <3191@sactoh0.UUCP>
Date: 1 Jun 90 05:26:57 GMT
Reply-To: flt@sactoh0.UUCP (Frank L. Topping)
Organization: SAC-UNIX, Sacramento, Ca.
Lines: 60
Xref: gmdzi rec.railroad:720 rec.ham-radio:11918
Posted: Fri Jun  1 06:26:57 1990
```

An EDUCATIONAL EXCHANGE OPPORTUNITY for teachers & kids worldwide!

In commemoration of the 130th anniversary of the PONY EXPRESS a group of riders will be making a venture from the wild west marking the original route of the HISTORIC MAIL RUN.

I received a call yesterday from the ST. JOSEPH MISSOURI PONY EXPRESS MUSEUM that four of the courageous riders will be from CZECHOSLOVAKIA representing their enthusiastic chapter of the INTERNATIONAL PONY EXPRESS ASSOCIATION. Braving some of the original trail on horseback that was covered by young riders long ago the contingent intends to visit SUTTER'S FORT and the PONY EXPRESS STATUE in OLD SACRAMENTO on FRIDAY, JUNE 1ST 1990.

As Sacramento readies for - RAILFAIR '91 - we are reminded of our history and the important parts in communication that the PONY EXPRESS, the TELEGRAPH, and the RAILROAD INDUSTRY each played in it. I have invited this group to visit the COMMUNICATIONS MUSEUM in the historic CALIFORNIA SUPREME COURT BUILDING where we will be wishing them well on their journey and passing "mail" to them of greetings to the CHILDREN of ST. JOSEPH and CZECHOSLOVAKIA on the occasion of their trip and the SACRAMENTO CHILDREN'S FESTIVAL this weekend.

ANY EDUCATORS who would care to join us in congratulating them further on the completion of the journey - June 17th - are invited to forward joint or individual (batch) messages from their students either to me via ELECTRONIC MAIL _or_ TO THE ST. JOSEPH MUSEUM DIRECTLY BY LETTER to meet the group at trail's end at the following address:

Scott Koch, museum display technician
St. Joseph Museum
11th & Charles
St. Joseph, MO 64501

- note: -

At this time we have no address for receipt of Email in St. Joseph or along the historic route. If any users are aware of an Email address of an educator, member of the INTERNATIONAL PONY EXPRESS ASSOCIATION or chapter of the AMERICAN RADIO RELAY LEAGUE along the route or in St. Joseph that might enjoy helping out please contact. (Individual expressions of international goodwill and peace would also be welcome of course.)

I'll post updates as they are known.

Please consider joining this effort.

Frank L. Topping, docent
Sacramento Convention & Visitor's Bureau

Phone: (916) 455-5154, 451-0282

--
  Frank Topping - CIS: 76537,1713   SAC-*NIX, Sacramento, Ca.
  FidoNet: EDUCATORS ECHO   UUCP=..ames!pacbell!sactoh0!flt
  "OERI": "The Educational Exchange Conference" (800)222-4922

From 5429072377236761188
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9eb59604aa435655
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 21:50:54 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!brutus.cs.uiuc.edu!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Bypass wire on a power amp module, help needed.
Message-ID: <1250175@hpnmdla.HP.COM>
Date: 1 Jun 90 19:21:52 GMT
References: <97457@philabs.Philips.Com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 49

Posted: Fri Jun 1 20:21:52 1990

WA2ISE tried to bypass his 2 meter power amplifier (so his HT could hear on receive) by connecting a pair of 1/4-wave coaxes between input and output with a pair of back-to-back diodes shunting the junction between the two lines.

The diodes do not act as a perfect short when the high-power RF turns them on. Forward conduction voltage is .7 Volts or so peak, perhaps .5 VRMS of fundamental energy, which represents 12.5 Watts into 50 Ohms.

The amplifier will oscillate with all this feedback. In fact, you might be in danger of overdriving the amplifier input with this much power.

Messing with the phase (by changing line length) probably won't help. The phase shift of the amplifier is a strong function of frequency -- achieving negative feedback at one frequency is no guarantee that you won't have positive feedback at some other frequency.

Try replacing the switching diodes with a PIN diode, and run a high DC current through it on transmit. To get enough isolation you might need two diodes, separated by a 1/4-wave line (total of 3 lines). Some people have had success using 1N4004 power supply rectifiers as PIN diodes. Their switching time is slow enough that they work pretty well, and they have good power dissipation.

```
HT ---------------+---------AMPLIFIER-------------+---------- ANTENNA
                  |                               |
                  | 1/4-wave             1/4-wave |
                  | coax                     coax |
                  |                               |
                 === 470 pF                      === 470 pF
                  |                               |
                  +-------------------------------+
                  |          1/4-wave coax        |
                 ---                              V
                  ^   1N4004                     --- 1N4004
+12 V             |                               |
on -----RESISTOR--+                               |
Xmit.             |                               |
                 === 470 pF                       |
                  |                               |
               GROUND                          GROUND
```

Sorry for the crude diode symbols. You may need to stick a 1 uH choke in series with the resistor to keep RF out of the +V line. Resistor value might be 120 Ohms, 2W (100 mA thru the diodes).

If the 1N4004's don't work, you might have to use real PIN diodes.

Al N1AL

From -1432889659216692983
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9afa4277afb133b2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 22:03:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!wuarchive!brutus.cs.uiuc.edu!apple!fernwood!portal!atari!mn
From: mn@atari.UUCP (Mike Nowicki)
Newsgroups: rec.ham-radio
Subject: Re: "Espionage Devices"
Message-ID: <2206@atari.UUCP>
Date: 1 Jun 90 20:57:38 GMT
References: <30186@cup.portal.com> <38120002@hpindwa.HP.COM>
Reply-To: mn@atari.UUCP (Mike Nowicki)
Organization: Atari Corp., Sunnyvale, CA
Lines: 19
Posted: Fri Jun 1 21:57:38 1990

In article <38120002@hpindwa.HP.COM> stephenm@hpindwa.HP.COM (Stephen Meredith) writes:
>mn@atari.UUCP writes
>
>>There's a monthly ham radio flea market here, lots of surplus electronic
>
>Where and when is this flea market? I would like to check it out.
>
>Steve

Foothill College has a ham radio flea market on the 2nd Saturday of each month March-September. Get there early, like 6 AM if you want a crack at the good stuff.

```
------------------------------------------------------------------------------
|  Michael Nowicki   N6LUU      Atari Corp,Sunnyvale CA     /TT/UNIX/X team  |
|............................................................................|
|  char *disclaimer="  Views expressed are my own, not my employer's";       |
------------------------------------------------------------------------------
```

From 792087891056317320
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,57aba39f95d76c81
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 22:22:32 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!ut-emx!trey
From: trey@ut-emx.UUCP (Trey Garlough)
Newsgroups: rec.ham-radio
Subject: Re: E-skip city or tropo or something
Message-ID: <30813@ut-emx.UUCP>
Date: 1 Jun 90 15:18:58 GMT
References: <12048@shlump.nac.dec.com> <1919@aurora.cs.athabascau.ca>
Organization: The University of Texas at Austin, Austin, Texas

Lines: 24
Posted: Fri Jun 1 16:18:58 1990

> Well, two unusual occurances in San Diego yesterday--it rained
> almost an inch (probably hasn't rained in Southern Calif. on
> Memorial Day for 50 years) AND the TV was hopping with E-skip all
> day long! The 6-meter guys were going nutz with working rare grid
> squares, too.

While driving home from work yesterday I had the FM radio on in the car. The band was open a little and I was hearing the usual unusual stations down by Corpus Christi and so forth. Then I hit the "seek" button on the radio and it stopped on 107.something and I heard some kind of Q5 screaming redneck truck dealer selling his wares, "Yeah. We got trucks. All kinda trucks. Big trucks. Little trucks. Pre-owned trucks" (I love that expression "pre-owned") and I was thinking the band must be open toward Beaumont someplace. "We got a great deal on a 1986 F-150. A real beauty. Low mileage. Only $4995!!!! Just take the blah-blah-blah exit off of I-95 and go east." I-95???? "That's at Biscayne (or whatever it was) Ford Truck.

Pretty neat.

Trey Garlough
Computation Center, University of Texas, Austin, Texas 78712
trey@emx.CC.UTEXAS.EDU (internet) (512-471-3241)

From -8282187861044892675
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8316fbd0ec91f004
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8316fbd0ec91f004
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-06-01 22:46:59 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!bgsuvax!fyfe
From: fyfe@bgsuvax.UUCP (Bob Fyfe)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Air Force One (was Re: Who's on 407.75MHz?)
Message-ID: <5878@bgsuvax.UUCP>
Date: 1 Jun 90 15:31:37 GMT
References: <2239@speedy.mcnc.org>
Followup-To: rec.ham-radio
Organization: Bowling Green State University B.G., Oh.
Lines: 15
Xref: gmdzi rec.ham-radio:11923 rec.radio.shortwave:1378
Posted: Fri Jun 1 16:31:37 1990

From article <2239@speedy.mcnc.org>, by spl@duck.ncsc.org (Steve Lamont):
> In article <4ab5c461.20b6d@apollo.HP.COM> hays@apollo.HP.COM (John Hays) writes:
> I don't think that's correct. I believe the Presidential helicopter is flown
> by the Marine Corps and is called Marine 1.

....I agree....

```
--
***************************************************************************
* Bob Fyfe / EMT-A/ Ham Radio KA8YWQ | INTERNET: fyfe@andy.bgsu.edu       *
* University Computer Services       | BITNET:   fyfe@bgsuopie            *
* Bowling Green State University (OH)| UUCP:     ...!osu-cis!bgsuvax!fyfe *
***************************************************************************
```

From 6594824035965372652
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c979a163ceca76c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 22:49:28 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp!deimos.cis.ksu.edu!rutgers!rochester!rit!cci632!tvf
From: tvf@cci632.UUCP (Tom Frauenhofer)
Newsgroups: rec.ham-radio
Subject: Re: Neat ham tricks...
Message-ID: <37535@cci632.UUCP>
Date: 1 Jun 90 20:24:51 GMT
References: <9005262018.AA09589@ucbvax.Berkeley.EDU> <5540035@hpccc.HP.COM> <1375@yenta.alb.nm.us>
Reply-To: tvf@cci632.UUCP (Tom Frauenhofer)
Organization: Computer Consoles, Inc., An STC Icon, Rochester, NY
Lines: 30
Posted: Fri Jun 1 21:24:51 1990

I don't know if this counts, but..

I used to hang around with a group of hams who ran several repeaters in town (BTW, are there any other old Gridd Radio Network people here besides myself?). They all seemed to have PA's in their cars, too.

Anyway, the local county government used to have a tape message for rat control that sounded like a friendly phone conversation. The voice was something like an older gentleman, slightly gravelly, and he said something like this:

"Hey there! How're ya doing? Oh, everybody's fine. Except we've got this problem. Yeah, rats. There all over the place. In the basement, in the cupboards. One of them almost bit the baby! Scared the wife half to death. Yeah, I'm going to call the Monroe County Pest Control Board at XXX-YYYY. They'll be ablt to help me.

"Uh-oh, gotta go. One of them's trying to chew up the phone cord. Get outta there!"

We would go to our favorite restaurant/hangout, dial this up on the

autopatch on one of the repeaters, and pump it out the PA. Then we'd go in
and hang around for a few hours, eat, and gab.

Gawd, it's been years now...
--
Thomas V. Frauenhofer   ...!rutgers!rochester!kodak!swamps!!frau!tvf *or*
...!uunet!atexnet!kodak!swamps!frau!tvf (tvf@frau, tvf@cci632)   WA2YYW
"Why don't you try acting? It's much easier."
- Laurence Olivier to Dustin Hoffman during filming of "Marathon Man"

From -6062931297603318881
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95451e385318ebb8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-02 06:49:41 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!watserv1!watmath!att!cbnewsk!wheatley
From: wheatley@cbnewsk.att.com (steven.m.wheatley)
Newsgroups: rec.ham-radio
Subject: Re: QSL'ing for money
Keywords: QSL cards, money, $1
Message-ID: <1990Jun2.134941.28957@cbnewsk.att.com>
Date: 2 Jun 90 13:49:41 GMT
References: <991@tsdiag.ccur.com>
Organization: AT&T Bell Laboratories
Lines: 40
Posted: Sat Jun 2 14:49:41 1990

In article <991@tsdiag.ccur.com>, davet@tsdiag.ccur.com (Dave Tiller N2KAU)
writes:
>
> Could earning money in excess of the cost of QSL cards, postage, etc
> be considered doing buisness on the air? Just like VE's aren't allowed
> to charge more than the cost of materials for exams, couldn't the same

With few exceptions (in which cases, the card can become invalid for
things like DXCC - I have a TI9 card that is of this variety - the
operator was 'obviously' padding his pocket), the manager does not
request more than the cost of returning the card. In fact, consider
that, if one sends a manager a SASE with his/her card, then the
manager AUTOMATICALLY is out some money due to QSL card printing.
Admittedly that isn't much, but when you get something in excess of
500 cards per month (as I do), it adds up. Add to that the cost of
replying to bureau replies (the envelopes at the bureau, postage and
cost to send back thru the buro, etc...) NOT TO MENTION THE TIME!,
QSL managing isn't a profitable situation.   (Note...some managers
DO NOT reply to bureau cards, but there is increased pressure from
various ham organizations to do so).

The folks that send a greenstamp for return postage without being
required to do so are essentially 'donating' to the QSL manager's
war chest. I think your point is interesting, but unless required,

the money sent above and beyond the cost of returning a QSL is usually an attempt on that ham's part to keep the Manager from LOSING any more money, rather than 'padding his/her wallet'. As mentioned earlier, of all the DX stations I QSL for, the balance runs positive for only one, that because he is extremely rare, and does some 1000+ contacts a month, often on rare modes (VHF, Satellite, RTTY, etc). The balance is kept near '0' by sending equipment to further these operations. I am more comfortable doing this than 'pocketing' the change, but this decision is my own. I suspect, having been in this arena for some time, that managers are not a profitable function. If you doubt it, try being one sometime!

73, steve ku9c
--
Steven Wheatley   AT&T Consumer Products   (317) 845-3927

....!att!inuxz!wheatley

From 7914253564376836230
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,27bf0029c5dd2039
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f74ae,27bf0029c5dd2039
X-Google-Attributes: gidf74ae,public
X-Google-Thread: 105d97,27bf0029c5dd2039
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-06-02 06:53:00 PST
Path: gmdzi!unido!mcsun!uunet!munnari.oz.au!uhccux!ames!cincsac.arc.nasa.gov!medin
From: medin@cincsac.arc.nasa.gov (Milo S. Medin)
Newsgroups: rec.ham-radio,sci.astro,sci.electronics
Subject: Re: HST transmissions
Message-ID: <50750@ames.arc.nasa.gov>
Date: 2 Jun 90 05:38:52 GMT
References: <2631@orbit.cts.com> <1990May30.174352.9182@portia.Stanford.EDU>
Sender: usenet@ames.arc.nasa.gov
Reply-To: medin@cincsac.arc.nasa.gov (Milo S. Medin)
Followup-To: rec.ham-radio
Organization: NASA Science Internet Project Office
Lines: 26
Xref: gmdzi rec.ham-radio:11927 sci.astro:4353 sci.electronics:6907
Posted: Sat Jun 2 06:38:52 1990

In article <1990May30.174352.9182@portia.Stanford.EDU> paulf@jessica.stanford.edu (Paul Flaherty) writes:

>HST uses the Tracking Data Relay Satellite System (TDRSS), which is
>encrypted (with something presumably stronger than DES). It would be
>the proverbial good thing if someone at STSCI would make some of the
>images available via anonymous ftp....

Paul, the HST PI's have exclusive access to HST data for a year after it's acquisition I believe. This is inline with NASA policy for spacecraft data. This is the reason that no images of the voyager Neptune encounter (except those digitized from NASA Select video by Stanford) have been released to the public (except for press photos). If the PI's choose to release data early, I guess this could be made available.

This is designed to protect scientists who may have waited years for their experiment to fly, and not allow some 3rd party to quickly analyze the data and publish before the PI can. I think this is reasonable, but it certainly can be frustrating. Perhaps it would be possible to get some low resolution bitmaps of press photos released to the public.

Thanks,
Milo

PS Usual disclaimers about this not representing NASA or Government policies or positions apple of course.

From -858708685621014021
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c35c,8a80ac347f26ae86
X-Google-Attributes: gid10c35c,public
X-Google-Thread: 10c9e3,4c43d3abf4f8a5d7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb802,8a80ac347f26ae86
X-Google-Attributes: gidfb802,public
X-Google-ArrivalTime: 1990-06-02 06:57:17 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!mcgill-vision!snorkelwacker!usc!ucsd!nosc!crash!skipsand
From: skipsand@crash.cts.com (Skip Sanders)
Newsgroups: rec.ham-radio
Subject: Re: Shortest Ham Call ?
Message-ID: <2958@crash.cts.com>
Date: 2 Jun 90 05:11:35 GMT
References: <30500560@ux1.cso.uiuc.edu> <25016@usc.edu> <14059@ucsd.Edu>
Organization: Crash TimeSharing, El Cajon, CA
Lines: 3
Posted: Sat Jun 2 06:11:35 1990

While the K0A etc calls are available for hams, the general rule (last I saw a list of callsign types from FCC) is that in general, these 1 by 1 type calls are used for SPACE stations... so, STS-35 could be assigned A1A, and be in line with the normal callsign assigning rules.

From 8371704717839622494
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,27bf0029c5dd2039
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f74ae,27bf0029c5dd2039
X-Google-Attributes: gidf74ae,public
X-Google-Thread: 105d97,27bf0029c5dd2039

```
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-06-02 07:04:04 PST
Path: gmdzi!unido!mcsun!uunet!munnari.oz.au!uhccux!ames!ucsd!usc!rutgers!mcnc!
thorin!ornat!leech
From: leech@ornat.cs.unc.edu (Jonathan Leech)
Newsgroups: rec.ham-radio,sci.astro,sci.electronics
Subject: Re: HST transmissions
Message-ID: <14424@thorin.cs.unc.edu>
Date: 2 Jun 90 06:12:00 GMT
References: <2631@orbit.cts.com> <1990May30.174352.9182@portia.Stanford.EDU>
Sender: news@thorin.cs.unc.edu
Reply-To: leech@ornat.cs.unc.edu (Jonathan Leech)
Organization: University Of North Carolina, Chapel Hill
Lines: 14
Xref: gmdzi rec.ham-radio:11929 sci.astro:4354 sci.electronics:6909
Posted: Sat Jun  2 07:12:00 1990
Summary:
Expires:
Sender:
Followup-To:
Distribution:
Keywords:

In article <1990May30.174352.9182@portia.Stanford.EDU> paulf@jessica.stanford.edu
(Paul Flaherty) writes:
>encrypted (with something presumably stronger than DES).  It would be
>the proverbial good thing if someone at STSCI would make some of the
>images available via anonymous ftp....

    It would certainly not be a good thing for their network
connection and whatever machine hosted the images, as it would rapidly
be swamped under hundreds to thousands of connections.  Using the
Internet to copy large images merely to satisfy people's curiosity
and/or give them more background bitmaps is not wise.
--
    Jon Leech (leech@cs.unc.edu)    __@/
    ``There ain't hardly nothin' cuter nor a sleepin' baby tad
      lessen it's a pork chop'' - Churchy La Femme


From 4709186085193297465
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,57aba39f95d76c81
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-02 11:45:05 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!usc!
elroy.jpl.nasa.gov!ames!pacbell.com!pacbell!att!cbnewse!parnass
From: parnass@cbnewse.att.com (Bob Parnass, AJ9S)
Newsgroups: rec.ham-radio
Subject: Re: E-skip city!!
Summary: saw ch3 tv Tampa/St. Pete from here in northern Illinois
Message-ID: <1990Jun2.015032.24645@cbnewse.att.com>
Date: 2 Jun 90 01:50:32 GMT
```

References: <12048@shlump.nac.dec.com> <1919@aurora.cs.athabascau.ca>
Organization: AT&T Bell Laboratories, Naperville, IL
Lines: 7
Posted: Sat Jun 2 02:50:32 1990

There's a neat band opening tonight (Friday) also.
I saw WEDU(?) in the Tampa (Florida) area on TV channel 3 here tonight.
I live 60 miles SW of Chicago, Illinois.
--
==
Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihuxz!parnass (708)979-5414

From 2886776404637037066
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9afa4277afb133b2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-02 15:03:59 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!mit-eddie!snorkelwacker!bu.edu!orc!decwrl!ames!uhccux!querubin
From: querubin@uhccux.uhcc.Hawaii.Edu (Antonio Querubin)
Newsgroups: rec.ham-radio
Subject: FT-207 battery
Message-ID: <8021@uhccux.uhcc.Hawaii.Edu>
Date: 2 Jun 90 09:03:10 GMT
References: <30186@cup.portal.com> <38120002@hpindwa.HP.COM>
Reply-To: querubin@uhccux.UUCP (Antonio Querubin)
Organization: University of Hawaii
Lines: 4
Posted: Sat Jun 2 10:03:10 1990

I've inherited an old Yaesu FT-207 walkie that is supposed to use an NBP-9 battery pack (which it doesn't have). So far I haven't been able to locate any dealer who sells a replacement battery pack. Does anyone know where I might be able to buy one?

From 3167479955144517625
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c43d3abf4f8a5d7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-02 15:24:43 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!husc6!m2c!umvlsi!umaecs!lkay
From: lkay@ecs.umass.edu (Leonard Kay, KB2R)
Newsgroups: rec.ham-radio
Subject: Re: Shortest Ham Call ?
Message-ID: <9979.2667b7fa@ecs.umass.edu>
Date: 2 Jun 90 12:58:33 GMT
References: <30500560@ux1.cso.uiuc.edu> <25016@usc.edu> <14059@ucsd.Edu> <2958@crash.cts.com>
Lines: 16

Posted: Sat Jun 2 13:58:33 1990

In article <2958@crash.cts.com>, skipsand@crash.cts.com (Skip Sanders) writes:
> While the K0A etc calls are available for hams, the general rule (last I saw a
> list of callsign types from FCC) is that in general, these 1 by 1 type calls
> are used for SPACE stations... so, STS-35 could be assigned A1A, and be in
> line with the normal callsign assigning rules.

Except that A1 is not a valid US prefix. US only owns AA-AL. In fact, a quick glance at my ITU allocation table shows that no ?1 prefix blocks are assigned, except for the countries that own entire first letters (F,G,K,etc.)

Too bad U.K. owns MAA-MZZ. The USSR could have used M1R instead of U1MIR!

```
-------------------------------------------------------------------------
Leonard Kay, KB2R  UMass/Amherst      |  "It's always darkest just
(413)545-4762      lkay@ecs.umass.edu |    before it's totally black"
-------------------------------------------------------------------------
```

From -1813198283206060061
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,27bf0029c5dd2039
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-02 15:31:37 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!tut.cis.ohio-state.edu!ucbvax!agate!shelby!portia.stanford.edu!jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: HST transmissions
Message-ID: <1990Jun2.195937.11784@portia.Stanford.EDU>
Date: 2 Jun 90 19:59:37 GMT
References: <2631@orbit.cts.com> <1990May30.174352.9182@portia.Stanford.EDU> <14424@thorin.cs.unc.edu>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 16
Posted: Sat Jun 2 20:59:37 1990

In article <14424@thorin.cs.unc.edu> leech@ornat.cs.unc.edu (Jonathan Leech) writes:
>   It would certainly not be a good thing for their network
>connection and whatever machine hosted the images, as it would rapidly
>be swamped under hundreds to thousands of connections. Using the
>Internet to copy large images merely to satisfy people's curiosity
>and/or give them more background bitmaps is not wise.

Sad, but true. VGA quality GIFs run about 300kB per shot, and the combination of disk saturation and network saturation usually dooms most image sites.

It should be posible for one of the T1 - based NSFNet sites to carry the images, on something like a NET based pc with lots of scsi disk (ala grape). Once the PI exclusion period is over, maybe this will be a possibility.

```
-=Paul Flaherty, N9FZX/VK2WYX | "Anything below 1,000,000,000 Hz
->paulf@shasta.Stanford.EDU   |  is just nervous DC."


From -7936708988477627914
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c43d3abf4f8a5d7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-02 16:06:25 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: Shortest Ham Call ?
Message-ID: <25068@usc.edu>
Date: 2 Jun 90 22:02:12 GMT
References: <25016@usc.edu> <14059@ucsd.Edu> <2958@crash.cts.com>
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 8
Posted: Sat Jun  2 23:02:12 1990

In article <2958@crash.cts.com> skipsand@crash.cts.com (Skip Sanders) writes:
>so, STS-35 could be assigned A1A, and be in line
>with the normal callsign assigning rules.

No, it wouldn't be in line if it was to be considered a US callsign.  We
only have AA0-AL9.  We don't have A0-A9.

Ken Hendrickson N8DGN/6      kjh@usc.edu      ...!uunet!usc!pollux!kjh


From -2080893218620113276
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4985c21450e146ee,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-02 16:10:36 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!GANDALF.LL.MIT.EDU!tcs
From: tcs@GANDALF.LL.MIT.EDU (Tom Sefranek)
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9006021959.AA18319@GANDALF.LL.MIT.EDU>
Date: 2 Jun 90 19:59:06 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 87
Posted: Sat Jun  2 20:59:06 1990

First:  An appology to Al well in advance of this reply.
     I really enjoy most of your comments Al, I just choked on this one!

>Date: 1 Jun 90 19:21:52 GMT
>From: hpl-opus!hpnmdla!alanb@hplabs.hp.com  (Alan Bloom)
```

>Subject: Bypass wire on a power amp module, help needed.
>To: info-hams@wsmr-simtel20.army.mil

>WA2ISE tried to bypass his 2 meter power amplifier (so his HT could hear on receive) by connecting a pair of 1/4-wave coaxes between input and output with a pair of back-to-back diodes shunting the junction between the two lines.

>The diodes do not act as a perfect short when the high-power RF turns them on.

This is O.K.

>Forward conduction voltage is .7 Volts or so peak, perhaps .5 VRMS of fundamental energy, which represents 12.5 Watts into 50 Ohms.

??? What does this mean??? =============^^^^^^^^^^^^^^^^^^^^^

Suppose you wished to have a shunting impedance of 1 ohm, I=.5/1 = .5 Ampere.
Power = .5 VRMS *.5 A = .25 Watt!!! [This might be a problem for the amp!]
For 10 Ohms, The Power in the diode is .025 Watt.
It's real hard for me to imagine a 12.5 Watt, 25 Amp signal diode for .02 Ohm.
You can't have meant that!

Since the impedance of the diodes determine the "I" in the above equation, and the impedance of the diode is driven by the applied voltage and current it cannot be explaned so simply. Still, I agree there is very little current in these diodes. As you might guess from the size of the diode packages used in these circuits.

>The amplifier will oscillate with all this feedback. In fact, you might be in danger of overdriving the amplifier input with this much power.

Probably, NOT the real culprit!

BUT,,, Your missing the point of the 1/4 wave transmission line transformers.
Imagine a Smith Chart...
The diodes receive enough energy (RF) to conduct from the amplifier.
Ths energy is about .5 volt at a small current. Why???
Well it's the magic of the transformer. The low impedance presented by the diodes to the end of the 1/4 wave line is transformed to a very high impedance at the amplifier. The amount of energy actually getting to the diodes is controlled by how accurate the 1/4 wave lines are, and how good the diodes are.
I don't have a chart here, but I seen to remember that 1 ohm shunt get you well over 2500 ohms at the other end of the cable. Assuming a loss-less transformer, the amount of power that can couple into a >2500 ohm load from a 50 Ohm source is what will arrive at the diodes. But nothing like 12.5 Watts.
And we haven't even begun to consider the non-resistive effects of the diodes.

I have built many of these solid state RF switches for "brick" power amps.
The real problem is how good (bandwidth) the coax 1/4 wave line is. What is really needed is a 1/4 wave transformer that only works over "our" band of frequencies. Alas! Reality strikes! As frequency departs from the band of interest, the transformer action produces a very different result. Where the amplifier's gain bandwidth is greater than our desired switch, enough energy at

(typically) lower frequencies now passes unhindered (except possibly by diode clipping) to the amplifier's input. (Check and see if your amp is an oscilator at a frequency other than in the band of choice! If so, there's your problem!)

The other thing not mentioned, is the necessity of dual diodes at the input and output of the amp. These are to isolate the 50 ohm "load" of the unpowered amplifier from robbing your incoming receive signal. These diodes will not see enough voltage to conduct and therefore represent an open circuit to the receive signals.

>Messing with the phase (by changing line length) probably won't help. The phase
>shift of the amplifier is a strong function of frequency -- achieving negative
>feedback at one frequency is no guarantee that you won't have positive feedback
>at some other frequency.

Attempting a "phase change" by varying line length is a BAD idea! First look up how much line you need to even vary the phase 10 degrees! But far more important is the implication of what you are doing to the 1/4 wave transformer. Phase changes end up being made with LOTS of coax and must ALWAYS arrive at odd wave lengths, E.I 1/4, 3/4, 1 1/4, etc.

>Al N1AL

Again, NO FLAME INTENDED, I might be missing something here, but this is my experience and sense of what is happening.

73
DE
Tom WA1RHP

From -6686351846428903799
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17526e371e2c5663
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-02 22:36:59 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!ucsd!rutgers!bellcore!ka9q.bellcore.com!karn
From: karn@ka9q.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Re: 100 GHz and up
Message-ID: <23828@bellcore.bellcore.com>
Date: 3 Jun 90 02:15:29 GMT
References: <30500551@ux1.cso.uiuc.edu> <12012@shlump.nac.dec.com>
Sender: news@bellcore.bellcore.com
Reply-To: karn@ka9q.bellcore.com (Phil Karn)
Organization: Secular Humanists for No-Code
Lines: 11
Posted: Sun Jun 3 03:15:29 1990

In article <12012@shlump.nac.dec.com> koning@koning.enet.dec.com (Paul Koning) writes:
>That's a common misconception. Scrambling has no effect on whether

>a code is self-clocking. All it does is change WHICH user data pattern
>causes absence of clocking.

True, but instead of runs of 1s or 0s causing absence of clocking, the user data pattern must be a long pseudo-random sequence with just the right phase. This is MUCH less likely in practice. That's why scrambling is still a very useful and widespread practice.

Phil

From 7816571349252390179
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,872006fede81b41b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,872006fede81b41b,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-06-02 23:18:29 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: MJF1278 Multi-level FAX
Message-ID: <2366@anasaz.UUCP>
Date: 2 Jun 90 22:42:54 GMT
Reply-To: john@anasaz.UUCP (John Moore)
Followup-To: rec.ham-radio
Organization: Anasazi, Inc.
Lines: 12
Xref: gmdzi rec.ham-radio:11942 rec.radio.shortwave:1386
Posted: Sat Jun 2 23:42:54 1990

Has anyone figured out the format of the multi-level fax format for RS232 from the MFJ1278. The documentation indicates that the lower 6 bits of each character represent 3 2-bit pixels. However, as far as I can tell (using a signal generator), individual pixels are meaningless - only the average 6-bit values are real.

Does anyone know?
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {asuvax,mcdphx}!anasaz!john john@anasaz.UUCP
Voice: (602) 951-9326 (day or eve)   FAX:602-861-7642 Advice: Long palladium,
USnail: 7525 Clearwater Pkwy, Scottsdale, AZ 85253   ......: Short petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -5124653516308344593
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c43d3abf4f8a5d7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-02 23:18:41 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!rutgers!bellcore!news
From: news@bellcore.bellcore.com (news)
Newsgroups: rec.ham-radio

Subject: Re: Shortest Ham Call ?
Message-ID: <23829@bellcore.bellcore.com>
Date: 3 Jun 90 04:41:15 GMT
References: <30500560@ux1.cso.uiuc.edu> <25016@usc.edu> <14059@ucsd.Edu>
<2958@crash.cts.com> <9979.2667b7fa@ecs.umass.edu>
Reply-To: karn@ka9q.bellcore.com (Phil Karn)
Organization: Secular Humanists for No-Code
Lines: 14
Posted: Sun Jun 3 05:41:15 1990

In article <2958@crash.cts.com>, skipsand@crash.cts.com (Skip Sanders) writes:
>> is that in general, these 1 by 1 type calls
>> are used for SPACE stations... so, STS-35 could be assigned A1A, and be in
>> line with the normal callsign assigning rules.

Even if this is true (I don't know) I doubt they'll be used any time soon.
All of the ham-in-space operations have used the existing callsign of the
astronaut (even though they've all gotten waivers of the Extra Class
requirement) and all of the US-licensed Oscars have also used the existing
callsigns of their licensees. And because space stations are exempted from
ID requirements, most of you don't even know what these callsigns are,
I bet...

Phil

From -6652569267523756950
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9afa4277afb133b2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-02 23:45:46 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!ames!pacbell.com!
pacbell!att!cbnewse!parnass
From: parnass@cbnewse.att.com (Bob Parnass, AJ9S)
Newsgroups: rec.ham-radio
Subject: Re: FT-207 battery
Summary: JaBro Batteries offers NiCd for FT-207 Yaesu
Message-ID: <1990Jun3.004451.15878@cbnewse.att.com>
Date: 3 Jun 90 00:44:51 GMT
References: <30186@cup.portal.com> <38120002@hpindwa.HP.COM>
<8021@uhccux.uhcc.Hawaii.Edu>
Organization: AT&T Bell Laboratories, Naperville, IL
Lines: 18
Posted: Sun Jun 3 01:44:51 1990

In article <8021@uhccux.uhcc.Hawaii.Edu>, querubin@uhccux.uhcc.Hawaii.Edu (Antonio
Querubin) writes:
> I've inherited an old Yaesu FT-207 walkie that is supposed to use an NBP-9
> battery pack (which it doesn't have)...Does anyone know where I might
> be able to buy one?

The JaBro catalog in front of me lists 2 NiCds available for
the Yaesu FT-207R: a 450 mAH and a 500 mAH, both 11.25 volts.

Keep in mind that Wilson walkie-talkies were made by Yaesu so
you could look for batteries for the Wilson BP-4 also.

Contact:
JaBro Batteries, Inc. 5003 Chase Drive, Downers Grove, IL 60515
tel. 708-964-9358

--
==
Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihuxz!parnass (708)979-5414

From -4902278415087466122
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b55c01c1490b1df2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-03 00:38:26 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!ucsd!
ucbvax!ucdavis!csusac!sactoh0!jre
From: jre@sactoh0.UUCP (Jim R. Earl)
Newsgroups: rec.ham-radio
Subject: Re: EBS tones
Summary: Frequency of tones
Message-ID: <3201@sactoh0.UUCP>
Date: 3 Jun 90 04:31:15 GMT
References: <9005262017.AA09500@ucbvax.Berkeley.EDU> <12553@cadnetix.COM>
Reply-To: jre@sactoh0.UUCP (Jim R. Earl)
Organization: SAC-UNIX, Sacramento, Ca.
Lines: 3
Posted: Sun Jun 3 05:31:15 1990

The frequencies of the tones are 853 Hz and 960 Hz. They
are broadcast for a period of 23.5 seconds. Hope this
helps.

From -3952078678741885948
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4dc78fa60128ce0e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-03 18:35:50 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9006031605.AA00855@ucsd.edu>
Date: 3 Jun 90 14:56:44 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 396
Posted: Sun Jun 3 15:56:44 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #704 -
Alouette 1
1 00424U 62B-A  1 90143.97482870  .00000248  00000-0  28755-3 0  3260
2 00424  80.4630 309.9464 0023488 337.6047  22.4082 13.67348077379387
ATS 3
1 03029U 67111  A 90149.66583382 -.00000074  00000-0  99999-4 0  3810
2 03029  13.1793  21.3844 0015148 211.1036 148.7618  1.00272295 82604
Cosmos 398
1 04966U 71 16  A 90151.76171728  .00076993  17286-4  43192-3 0  8987
2 04966  51.5045 280.2288 2283971 116.2467 269.0482 11.03418353589884
Starlette
1 07646U 75010  A 90151.22546814 -.00000008  00000-0  41305-4 0   799
2 07646  49.8202 225.4107 0206578 135.4438 226.3271 13.82138596773430
LAGEOS
1 08820U 76039  A 90140.54852092  .00000002  00000-0  00000 0 0   826
2 08820 109.8518 345.6617 0044634 244.1467 115.4691  6.38664018 72179
GPS-0001
1 10684U 78020  A 90146.99449198  .00000007  00000-0  99999-4 0  4305
2 10684  63.7146  90.2072 0117429 199.3293 160.1953  2.00557062 75428
GPS-0002
1 10893U 78 47  A 90149.96132770 -.00000025  00000-0  00000 0 0  1916
2 10893  64.3944 330.9686 0164756  26.1341 334.7165  2.00545706 88301
SeaSat 1
1 10967U 78064  A 90150.34570317  .00001223  00000-0  46575-3 0  3377
2 10967 108.0149 283.3299 0002480 251.6485 108.4364 14.35684161623892
GPS-0003
1 11054U 78093  A 90150.74895542 -.00000024  00000-0  00000 0 0  2312
2 11054  63.9196 327.2396 0060796 116.2799 244.3401  2.00566660 85330
Nimbus 7
1 11080U 78098  A 90150.23174242  .00000147  00000-0  16206-3 0  6775
2 11080  99.1974  55.5638 0009343 126.7484 233.4523 13.83434684585558
GPS-0004
1 11141U 78112  A 90147.35759457  .00000007  00000-0  00000 0 0  3814
2 11141  63.7068  90.0816 0060289 316.4213  43.0769  2.00557907 83969
GPS-0005
1 11690U 80 11  A 90147.99727796  .00000009  00000-0  00000 0 0  9813
2 11690  64.1695  92.1341 0117246 203.4235 156.0117  2.00555200 89838
GPS-0006
1 11783U 80 32  A 90147.30816754 -.00000024  00000-0  00000 0 0  1503
2 11783  63.7175 326.9205 0150877  60.6471 300.8528  2.00557428 73908
GOES 5
1 12472U 81049  A 90144.75391302 -.00000192  00000-0  99999-4 0  9347
2 12472   3.4415  75.9252 0005789 267.4498  92.2838  1.00150874 31994
DE 1
1 12624U 81 70  A 90145.00000000  .00000072  00000-0  99999-4 0  4454
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2 12624  88.9917 148.1417 6199927 290.3392 225.0727  3.51092079901445
SME
1 12887U 81100  A 90151.16251463  .00034539  00000-0  61913-3 0  6758
2 12887  97.6377 197.5868 0003128 107.2562 252.8993 15.49863040478634
Salyut 7
1 13138U 82 33  A 90151.88508010  .00030730  00000-0  33680-3 0  2964
2 13138  51.6028  26.7166 0001926 147.6701 212.4059 15.62973778462305
Cosmos 1383
1 13301U 82 66  A 90148.93808898  .00000141  00000-0  15440-3 0  5770
2 13301  82.9274 314.8799 0026057 212.3583 147.5979 13.67828297395043
LandSat 4
1 13367U 82 72  A 90151.09913306 -.00000516  00000-0 -10958-3 0  3507
2 13367  98.1665 213.9611 0002830 164.5448 195.5894 14.57124235418812
IRAS
1 13777U 83  4  A 90151.04001392  .00000194  00000-0  15827-3 0  7791
2 13777  99.0258 348.1000 0013985  77.1669 283.1050 13.98784104 44549
Cosmos 1447
1 13916U 83 21  A 90149.04385117  .00000150  00000-0  14772-3 0  7275
2 13916  82.9436  26.2109 0036769 191.2634 168.7704 13.74041873360045
TDRS 1
1 13969U 83 26  B 90148.00000000  .00000127  00000-0  99999-4 0  9987
2 13969   4.4267  65.7775 0001262  25.9874 342.6523  1.00264093 92917
GOES 6
1 14050U 83 41  A 90145.91808644  .00000119  00000-0  99999-4 0  1829
2 14050   2.1829  78.4061 0002724 298.0016  61.3412  1.00277319 10043
OSCAR 10
1 14129U 83 58  B 90141.55893209 -.00000034  00000-0  00000 0 0  5259
2 14129  25.9838 203.2065 5966345 144.7263 275.5441  2.05881342 24183
GPS-0008
1 14189U 83 72  A 90151.33752823  .00000006  00000-0  99999-4 0  7636
2 14189  63.3512  88.4085 0148353 219.4478 139.4362  2.00706295 50427
LandSat 5
1 14780U 84 21  A 90151.12639736 -.00000874  00000-0 -18903-3 0  2097
2 14780  98.2061 211.4477 0001375 359.3198   0.8046 14.57105466332238
UoSat 2
1 14781U 84 21  B 90150.60681341  .00002274  00000-0  42882-3 0  7394
2 14781  97.9502 203.7363 0012427 309.2706  50.7376 14.65386404333392
GPS-0009
1 15039U 84 59  A 90147.94792292  .00000006  00000-0  00000 0 0  9411
2 15039  63.1139  87.6999 0021411 240.1042 119.6554  2.00612096 43636
Cosmos 1574
1 15055U 84 62  A 90148.75304990  .00000157  00000-0  15702-3 0  8805
2 15055  82.9571  76.6383 0028994  19.6955 340.5312 13.73356223297405
GPS-0010
1 15271U 84 97  A 90147.35481838 -.00000025  00000-0  00000 0 0  8418
2 15271  63.1533 326.4832 0108663 326.8812  32.7246  2.00579678 40733
Cosmos 1602
1 15331U 84105  A 90151.56118705  .00003489  00000-0  47700-3 0  2987
2 15331  82.5387  16.3278 0024525  30.5366 329.7183 14.78120361305639
NOAA 9
1 15427U 84123  A 90151.33671649  .00000535  00000-0  30985-3 0  5887
2 15427  99.1661 150.7762 0016197  58.6978 301.5781 14.12582294281608
Cosmos 1686
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1 16095U 85 86  A 90151.69326974  .00047626  00000-0  51779-3 0  6523
2 16095  51.6018  27.6852 0001996 155.1133 204.9901 15.62969339263377
GPS-0011
1 16129U 85 93  A 90147.54052903  .00000007  00000-0  00000 0 0  5388
2 16129  63.8715  88.6778 0122491 149.3321 211.3666  2.00510357 33944
Mir
1 16609U 86 17  A 90151.89394067  .00025638  00000-0  30525-3 0  7042
2 16609  51.6144  52.9043 0010267 351.6325   8.4458 15.60876417245554
SPOT 1
1 16613U 86 19  A 90150.66915162  .00000485  00000-0  24565-3 0  9624
2 16613  98.7334 225.3352 0000677 162.6722 197.4486 14.20036008 61449
Cosmos 1766
1 16881U          90151.41503776  .00003766  00000-0  52156-3 0    77
2 16881  82.5226  75.5264 0023773  46.3381 313.9790 14.77597639206678
EGP
1 16908U 86 61  A 90151.13353072 -.00000025  00000-0  99182-4 0  2247
2 16908  50.0119 308.4246 0011567 150.6038 209.5417 12.44387145172739
NOAA 10
1 16969U 86 73  A 90151.33758012  .00000776  00000-0  35651-3 0  4369
2 16969  98.6028 179.6616 0013195 324.3723  35.6572 14.23622739192217
MOS-1
1 17527U 87 18  A 90150.64043371 -.00009554  00000-0 -71278-2 0  5605
2 17527  99.1082 223.4167 0001591 108.7193 251.3776 13.94843014166813
GOES 7
1 17561U 87 22  A 90150.60088712 -.00000074  00000-0  99999-4 0  5476
2 17561   0.0357  65.3356 0017803 270.7418  24.2189  1.00299769  5243
Kvant-1
1 17845U 87 30  A 90151.70199822 -.00153708  00000-0 -18695-2 0  1536
2 17845  51.6198  53.8745 0012087 357.5892   3.1789 15.60753678181574
DMSP B5D2-3
1 18123U 87 53  A 90151.35527382  .00000750  00000-0  41368-3 0  6005
2 18123  98.8199 342.1842 0015584  71.5806 288.7060 14.14044879152028
RS-10/11
1 18129U 87 54  A 90150.88464022  .00000158  00000-0  16207-3 0  2068
2 18129  82.9265 341.3123 0012162 160.4836 199.6814 13.72090897147075
Meteor 2-16
1 18312U 87 68  A 90148.94694968  .00000219  00000-0  18868-3 0  4307
2 18312  82.5526 305.5432 0011639 313.9154  46.1044 13.83647461140325
Meteor 2-17
1 18820U 88  5  A 90149.04324165  .00000259  00000-0  22073-3 0  2815
2 18820  82.5454   5.6828 0017771  22.4076 337.7855 13.84344066117536
DMSP B5D2-4
1 18822U 88  6  A 90151.30820641  .00000813  00000-0  38912-3 0  4996
2 18822  98.6512  30.6904 0006637 330.7506  29.3289 14.21452407120424
AO-13
1 19216U 88 51  B 90148.23246392  .00000105  00000-0  99999-4 0  1283
2 19216  56.9522 153.1540 6957743 228.0483  47.3201  2.09698248 14984
OKEAN 1
1 19274U 88 56  A 90150.78736689  .00000946  00000-0  13068-3 0  8077
2 19274  82.5160 174.7474 0022300 175.0080 185.1272 14.76973880102359
Meteor 3-2
1 19336U 88 64  A 90148.81638992  .00000391  00000-0  99999-3 0  4914
2 19336  82.5393 291.1318 0018163   5.3412 354.7893 13.16897428 88401
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NOAA 11
1 19531U 88 89  A 90151.29768223  .00000422  00000-0  25334-3 0  2875
2 19531  98.9813  99.5874 0011697 337.4032  22.6622 14.11610796 86580
TDRS 2
1 19548U 88 91  B 90149.59999999  .00000115  00000-0  99999-4 0  1329
2 19548   0.0622  73.9550 0002349   5.1610 209.6580  1.00271293    93
Cosmos 2001
1 19796U 89 11  A 90149.25500550 -.00001106  00000-0  99999-4 0  4900
2 19796  63.2050  95.2686 7096507 319.9211   5.1075  2.00539617  9422
GPS BII-01
1 19802U 89 13  A 90142.03861096  .00000016  00000-0  99999-4 0  1303
2 19802  55.0581 198.4458 0055803 164.4555 195.7971  2.00642300  9225
Akebono
1 19822U 89 16  A 90151.21630117  .00031269  00000-0  21332-2 0  6196
2 19822  75.1299 247.1118 4182379 232.6414  81.6185  7.09971076 32221
Meteor 2-18
1 19851U 89 18  A 90146.33488642  .00000242  00000-0  20864-3 0  2307
2 19851  82.5223 245.8618 0016457  68.4243 291.8676 13.83974338 62547
TDRS 3
1 19883U 89 21  B 90150.00000000 -.00000237  00000-0  99999-4 0  1336
2 19883   0.0845  72.3959 0001135  75.3140  58.1378  1.00260322 74754
GPS BII-02
1 20061U 89 44  A 90148.21773375 -.00000032  00000-0  00000 0 0  1347
2 20061  54.7621  16.6280 0084996 173.2298 186.9331  2.00485672  7098
Nadezhda 1
1 20103U 89 50  A 90148.79606181  .00000182  00000-0  18404-3 0  1306
2 20103  82.9566 299.2900 0039317  91.2423 269.3237 13.73592784 45054
GPS BII-03
1 20185U 89 64  A 90148.66599514  .00000016  00000-0  99999-4 0  1279
2 20185  54.9117 199.0425 0024309 158.5464 201.6329  2.00626849  5674
Activnyi
1 20261U 89 80  A 90151.94524728  .00000969  00000-0  30214-3 0  5299
2 20261  82.5958 238.8764 1258004  15.1738 348.3793 12.43731760 30579
Activnyi RB
1 20262U 89 80  C 90149.32940519  .00000711  00000-0  21905-3 0  2377
2 20262  82.5967 240.5799 1261492  21.2551 343.6429 12.43194614 30243
Magion 2
1 20281U 89 80  B 90151.91760807  .00000978  00000-0  30321-3 0  5286
2 20281  82.5940 238.8269 1257601  15.1068 348.4279 12.43981641 30575
GPS BII-04
1 20302U 89 85  A 90148.44922332 -.00000028  00000-0  99999-4 0  1305
2 20302  54.6386 317.8760 0032365 318.4218  41.3207  2.00374813  4479
Meteor 3-3
1 20305U 89 86  A 90148.67705882  .00000004  00000-0 -29841-5 0  1329
2 20305  82.5528 231.7493 0016722  22.7210 337.4648 13.15857469 28388
COBE
1 20322U 89 89  A 90150.07480559  .00004720  00000-0  31031-2 0  1339
2 20322  99.0180 160.4641 0010103  61.0335 299.1824 14.02216762 26951
Kvant-2
1 20335U 89 93  A 90151.76587851  .00039560  00000-0  46701-3 0  2565
2 20335  51.6049  53.5506 0011181 345.1484  14.8346 15.60855246 29194
GPS BII-05
1 20361U 89 97  A 90134.23449072  .00000015  00000-0  99999-4 0   797
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2 20361  54.9699 141.6148 0062040  50.1010 310.4793  2.00579149  3041
SPOT 2
1 20436U 90  5  A 90150.63401732  .00000538  00000-0  27031-3 0  2175
2 20436  98.7345 225.3553 0001390  88.2566 271.8944 14.20038838 18254
UO-14
1 20437U 90  5  B 90151.43733054 -.00002350  00000-0 -92812-3 0  1534
2 20437  98.7024 227.5906 0010468 201.5841 158.4689 14.28616292 18471
UO-15
1 20438U 90  5  C 90149.42673205  .00000467  00000-0  20312-3 0   880
2 20438  98.7014 225.5743 0009407 205.2460 154.8262 14.28370125 18184
PACSAT
1 20439U 90  5  D 90142.25412747  .00000692  00000-0  29135-3 0   801
2 20439  98.7039 218.5151 0010628 229.1515 130.8783 14.28715882 17162
DO-17
1 20440U 90  5  E 90150.23446723  .00000754  00000-0  31558-3 0   835
2 20440  98.7039 226.4855 0011009 204.9054 155.1593 14.28772891 18305
WO-18
1 20441U 90  5  F 90150.64496878  .00000667  00000-0  28031-3 0   832
2 20441  98.7040 226.9105 0011547 204.2814 155.7811 14.28871939 18363
LO-19
1 20442U 90  5  G 90150.63884055  .00000694  00000-0  29056-3 0   838
2 20442  98.7046 226.9194 0011741 205.3066 154.7526 14.28941027 18363
GPS BII-06
1 20452U 90  8  A 90147.83563653  .00000001  00000-0  99999-4 0   755
2 20452  54.5567 256.8002 0028456  44.6049 315.6465  2.00875970  2439
MOS-1B
1 20478U 90 13  A 90151.95860156 -.00000602  00000-0 -43545-3 0  2841
2 20478  99.1888 222.2462 0001664 105.8337 254.2939 13.94837739 15879
DEBUT
1 20479U 90 13  B 90144.15135168  .00000003  00000-0  34803-4 0   753
2 20479  99.0426 195.1993 0541743 102.9595 263.2557 12.83155784 13666
FO-20
1 20480U 90 13  C 90150.62541163  .00000166  00000-0  42108-3 0   789
2 20480  99.0422 200.4479 0542054  88.4220 277.8864 12.83137126 14496
MOS-1B R/B
1 20491U 90 13  D 90136.10780581 -.00000427  00000-0 -77931-3 0   792
2 20491  99.0427 191.4403 0471504 106.3773 258.9702 13.02729566 12220
Soyuz TM-9
1 20494U 90 14  A 90151.70175299  .00205185  00000-0  23423-2 0  1505
2 20494  51.6174  53.8693 0010807 339.5718  19.8705 15.60927967 17090
LACE
1 20496U 90 15  A 90151.07568746  .00007091  00000-0  43543-3 0  1570
2 20496  43.1047  56.7343 0014831 243.5782 116.3509 15.10471662 15934
RME
1 20497U 90 15  B 90151.07029405  .00010952  00000-0  31371-3 0  1560
2 20497  43.1068  35.1846 0016798 234.7806 125.1398 15.35841557 16206
Nadezhda 2
1 20508U 90 17  A 90148.26491101  .00000112  00000-0  10797-3 0   822
2 20508  82.9548  74.5968 0046077  42.6772 317.7945 13.73210926 12276
OKEAN 2
1 20510U 90 18  A 90150.80779470  .00001776  00000-0  27183-3 0  1585
2 20510  82.5256 113.7302 0019264 336.8355  23.2213 14.73114524 13515
INTELSAT-6
```

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1 20523U 90 21  A 90150.90188554  .00003458  00000-0  23603-3 0  1561
2 20523  28.3487  16.9746 0014233 358.0027   2.0446 15.03223310 11847
GPS BII-07
1 20533U 90 25  A 90140.98718512 -.00000032  00000-0  00000 0 0   473
2 20533  55.0719  17.0265 0033840  99.7665 260.6670  2.00594792  1054
1990 026A
1 20536U 90 26  A 90122.10370766 -.00001185  00000-0  99999-4 0   780
2 20536  62.9350  19.4659 7361653 318.4665   4.7275  2.00601511   721
1990 026D
1 20539U 90 26  D 90123.19890815 -.00000836  00000-0  35903-4 0   467
2 20539  63.1476  18.9963 7337411 318.6473   4.7855  2.03011371   773
Offeq 2
1 20540U 90 27  A 90149.55125110  .00910991 -63433-4  18994-2 0  1260
2 20540 143.2014  44.8999 0646506 123.7204 241.9367 14.73300769  8041
1990 027B
1 20541U 90 27  B 90123.04805883  .00708832 -16106-4  16657-2 0   794
2 20541 143.1984 260.2975 0736069 284.9261  66.9139 14.51751386  4221
PegSat
1 20546U 90 28  A 90151.55259018  .00005390  00000-0  33942-3 0  1024
2 20546  94.1203 206.2684 0151628  32.7329 328.3125 15.00157096  8348
1990 028B
1 20547U 90 28  B 90122.74447785  .00003392  00000-0  26009-3 0   760
2 20547  94.1448 191.0320 0130894 131.0001 230.2685 14.95392931  4025
Cosmos 2065
1 20550U 90 29  B 90123.10692118 -.00000007  00000-0  00000 0 0   410
2 20550  73.9831 214.6497 0008708 267.9873  92.0182 12.48998567  3377
Cosmos 2071
1 20556U 90 29  H 90124.02949648 -.00000007  00000-0  00000 0 0   411
2 20556  73.9817 213.3030 0002572  55.7863 304.3394 12.50727585  3491
1990 029J
1 20557U 90 29  J 90122.70329070  .00001049  00000-0  95280-2 0   453
2 20557  73.9852 216.8636 0148428 234.1468 124.5703 12.22657531  3258
1990 030B
1 20559U 90 30  B 90133.67279168  .00011178  00000-0  37832-2 0   528
2 20559  31.2905  11.0753 7319241 198.5461 105.1812  2.22962208   811
Cosmos 2072
1 20568U 90 33  A 90133.90710463  .00331011  56513-4  42018-3 0  1052
2 20568  64.7618  49.0650 0033867  86.1627 274.2603 16.05900007  4844
Palapa-B2R
1 20570U 90 34  A 90137.02166144 -.00000317  00000-0  99999-4 0   514
2 20570   0.0523  15.3218 0007680 110.1335 231.8008  1.00108506   295
1990 034B
1 20571U 90 34  B 90135.25637826  .00001978  00000-0  32479-3 0   554
2 20571  22.7504 176.4934 0628149 118.0040 248.5409 13.82067297  4332
1990 034C
1 20572U 90 34  C 90135.84989660  .00032231  00000-0  39037-2 0   491
2 20572  18.9297 347.9472 7375661 200.8035  96.7659  2.18270624   692
Cosmos 2074
1 20577U 90 36  A 90136.03907435  .00000094  00000-0  93615-4 0   474
2 20577  82.9451 138.3064 0025496 217.6457 142.2914 13.73710956  3463
1990 036B
1 20578U 90 36  B 90142.63696705  .00000143  00000-0  13889-3 0   539
2 20578  82.9423 133.3810 0019220 181.1997 178.9117 13.75020736  4373
```

```
HST
1 20580U 90 37  B 90150.88742595  .00003084  00000-0  34287-3 0   754
2 20580  28.4718 359.6348 0005887 308.7717  51.2277 14.84364223  5406
Cosmos 2075
1 20581U 90 38  A 90144.24709396 -.00004275  00000-0 -17923-3 0   877
2 20581  74.0254 356.0235 0023185 277.7210  82.1092 15.23022306  4379
1990 038B
1 20582U 90 38  B 90142.57824248  .00024584  00000-0  98348-3 0   723
2 20582  74.0294 359.4297 0031040 293.1471  66.6509 15.24541833  4124
Molniya1-77
1 20583U 90 39  A 90144.15730607  .00000070  00000-0 -16867-2 0   793
2 20583  62.7982 183.9973 7353596 288.2139   9.5835  2.00619305   573
1990 039B
1 20584U 90 39  B 90144.83967752  .03903616  41472-4  10039-2 0  1048
2 20584  62.7619  78.2685 0067648 125.7776 235.2487 16.21902308  4540
1990 39D
1 20586U 90 39  D 90143.60954820  .00000419  00000-0  68663-3 0   226
2 20586  62.8248 184.0281 7395335 288.1806   9.3720  1.96420289   535
Cosmos 2076
1 20596U 90 40  A 90151.40303225 -.00001233  00000-0  79009-3 0   438
2 20596  63.0666 334.8186 7375665 318.5072   4.4103  2.00587266   669
1990 40B
1 20597U 90 40  B 90148.20589656  .39662252  43947-4  29451-3 0   822
2 20597  62.7886 226.6703 0013442 121.7004 238.9820 16.52106649  4698
1990 40D
1 20599U 90 40  D 90150.97163910 -.00000504  00000-0 -84377-3 0   296
2 20599  63.1771 334.5570 7351260 318.5828   4.4750  2.03474794   660
Progress 42
1 20602U 90 41  A 90147.79608887  .00055396  00000-0  65860-3 0   322
2 20602  51.6168  73.5490 0010704 331.8751  28.3807 15.60528331  3439
Cosmos 2077
1 20604U 90 42  A 90151.93363997  .00480988  40460-4  31058-3 0   695
2 20604  62.8309 358.9785 0081250  37.0574 323.5882 16.09679053  3896
1990 043A
1 20607U 90 43  A 90142.18591923  .00001682  00000-0  31334-3 0   158
2 20607  89.8923 195.0757 0110837 236.8242 122.2311 14.60769425  1824
1990 043B
1 20608U 90 43  B 90143.14391612  .00004472  00000-0  83439-3 0   163
2 20608  89.8888 195.0566 0111317 233.7917 125.2989 14.60920699  1963
1990 043C
1 20609U 90 43  C 90151.57511911  .00006531  00000-0  10602-2 0   176
2 20609  89.6510 194.2885 0060793 248.4749 110.9840 14.69840818  3216
Cosmos 2078
1 20615U 90 44  A 90151.92089799  .00193167  60843-5  15211-3 0   515
2 20615  69.9892  14.8457 0052594  43.9159 316.5783 16.11252561  2661
Cosmos 2079
1 20619U 90 45  A 90150.96592927 -.00000015  00000-0  99999-4 0   223
2 20619  64.8786  39.5832 0112514 293.8670  65.0137  2.16693521   252
Cosmos 2080
1 20620U 90 45  B 90150.99278110 -.00000015  00000-0  99999-4 0   223
2 20620  64.8721  39.5790 0089249 300.7926  58.3720  2.16022862   264
Cosmos 2081
1 20621U 90 45  C 90150.97805050 -.00000015  00000-0  99999-4 0   186
```

```
2 20621  64.8784  39.5975 0031792 269.3757  87.7594  2.14046704   265
1990 046E
1 20623U 90 45  E 90148.67855131 -.00000015  00000-0  99999-4 0    75
2 20623  64.8767  39.6709 0011797 337.3294  22.6646  2.13413399   217
1990 046A
1 20624U 90 46  A 90150.92537201  .00008575  00000-0  46808-2 0   171
2 20624  71.0021 346.5317 0004155  36.6079 323.5640 14.12193837  1230
1990 046B
1 20625U 90 46  B 90150.70603916 -.00000171  00000-0 -80227-4 0   109
2 20625  71.0024 346.9638 0015606 334.6764  25.3566 14.13303293  1200
1990 047A
1 20632U 90 47  A 90151.90599695  .00057938  00000-0  92827-4 0   198
2 20632  82.3355  19.9789 0009349 310.0627  49.9470 16.03296291   426
1990 047B
1 20633U 90 47  B 90150.95164055  .13828572 -65775-5  19311-3 0   108
2 20633  82.3310  21.0787 0010549  87.3806 273.8570 16.48569860   273
Kristall
1 20635U 90 48  A 90151.93124717  .00558866  13869-4  61629-3 0    51
2 20635  51.6189  53.9284 0083548  88.8595 272.2165 16.01912758    83
1990 048B
1 20636U 90 48  B 90151.93010197  .00798325  14312-4  77759-3 0    60
2 20636  51.6271  53.9153 0068995  88.0671 272.8524 16.05696453    87
--
Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology
```

```
From 657326349195251707
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4f7c6c705955bef,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-03 18:41:14 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletin Format
Message-ID: <9006031605.AA00817@ucsd.edu>
Date: 3 Jun 90 14:57:13 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 69
Posted: Sun Jun  3 15:57:13 1990
```

As a service to the satellite user community, the following description of the NASA Prediction Bulletin's two-line orbital element set format is uploaded to sci.space on a monthly basis. The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

==

Data for each satellite consists of three lines in the following format:

```
AAAAAAAAAAA
1 NNNNNU NNNNNAAA NNNNN.NNNNNNNN +.NNNNNNNN +NNNNN-N +NNNNN-N N NNNNN
2 NNNNN NNN.NNNN NNN.NNNN NNNNNNN NNN.NNNN NNN.NNNN NN.NNNNNNNNNNNNNN
```

Line 1 is a eleven-character name.

Lines 2 and 3 are the standard Two-Line Orbital Element Set Format identical to that used by NASA and NORAD. The format description is:

Line 2

Column	Description
01-01	Line Number of Element Data
03-07	Satellite Number
10-11	International Designator (Last two digits of launch year)
12-14	International Designator (Launch number of the year)
15-17	International Designator (Piece of launch)
19-20	Epoch Year (Last two digits of year)
21-32	Epoch (Julian Day and fractional portion of the day)
34-43	First Time Derivative of the Mean Motion or Ballistic Coefficient (Depending on ephemeris type)
45-52	Second Time Derivative of Mean Motion (decimal point assumed; blank if N/A)
54-61	BSTAR drag term if GP4 general perturbation theory was used. Otherwise, radiation pressure coefficient. (Decimal point assumed)
63-63	Ephemeris type
65-68	Element number
69-69	Check Sum (Modulo 10) (Letters, blanks, periods = 0; minus sign = 1; plus sign = 2)

Line 3

Column	Description
01-01	Line Number of Element Data
03-07	Satellite Number
09-16	Inclination [Degrees]
18-25	Right Ascension of the Ascending Node [Degrees]
27-33	Eccentricity (decimal point assumed)
35-42	Argument of Perigee [Degrees]
44-51	Mean Anomaly [Degrees]
53-63	Mean Motion [Revs per day]
64-68	Revolution number at epoch [Revs]
69-69	Check Sum (Modulo 10)

All other columns are blank or fixed.

Example:

```
NOAA 6
1 11416U          86 50.28438588 0.00000140           67960-4 0  5293
2 11416  98.5105  69.3305 0012788  63.2828 296.9658 14.24899292346978
```

Note that the International Designator fields are usually blank, as issued in the NASA Prediction Bulletins.

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

From -3539306457755867998
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,21f6a0f67584ab27,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-03 18:51:18 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: shortest ham call
Message-ID: <9006031027.AA18911@cmr.ncsl.nist.gov>
Date: 3 Jun 90 10:27:33 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 10
Posted: Sun Jun 3 11:27:33 1990

Jim Docke, WB2HBZ, has sent me a message claiming a tie for shortest ham call between my candidate (I5I) and King Hussein (JY1).

I calim to still be winning (on CW), since I5I is just two "dits" away from the shortest possible "letter-number-letter" call - E5E.

73, Bob W3OTC

Ah, the serious technical matters discussed in this group !

From 4265589480415366214
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,827336fb2036282b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-03 19:29:41 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!apple!portal!cup.portal.com!wordy
From: wordy@cup.portal.com (Steven K Roberts)
Newsgroups: rec.ham-radio
Subject: Re: Satellite antenna help?
Message-ID: <30490@cup.portal.com>
Date: 3 Jun 90 17:08:06 GMT
References: <2738@wyse.wyse.com>
Organization: The Portal System (TM)
Lines: 25
Posted: Sun Jun 3 18:08:06 1990

Phil KJ6NN asked about comments on the KLM satellite antennas....

They work fine, and beamwidth is about 25-30 degrees effectively (at least on my shortened model, probably less on the full size units). This is by no means too narrow, especially since you will be using an Az-El tracker. Actually, with Oscar 13, you can set it and forget it for an hour or so during the good part of the orbit, as long as you use something like Instant-Track to point it in the first place. During my early bicycle-mobile satellite experiments, I had no trouble pointing using only a compass and an eyeball (pedaling with the things attached was another matter entirely, and caused great guffaws from passers-by, snagged tree limbs, and a bit too much instability for comfort).

Tracking microsats or other low-orbit birds is considerably more challenging, and does require active control on the part of your computer. And in the case of Microsats, a well-designed omni system (like the stacked J-poles described by Dick Jansson in a recent AMSAT news) should work almost as well.

Best of luck, and see you on the birds....

Steve Roberts N4RVE
Nomadic Research Labs

From -2881402493360549373
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,23279edc4efedfb2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-03 23:06:08 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!hp-pcd!hpspkla!summers
From: summers@hpspkla.spk.hp.com (Jim B. Summers)
Newsgroups: rec.ham-radio
Subject: Ford Taurus HF Mobile question
Message-ID: <4630013@hpspkla.spk.hp.com>
Date: 3 Jun 90 21:00:03 GMT
Organization: Hewlett Packard Company, Spokane, Wa.
Lines: 23
Posted: Sun Jun 3 22:00:03 1990

I am thinking about trying HF mobile operation from my 1987 Ford Taurus sedan. I would like to hear from anyone who has successfully (or otherwise) attempted this. Several specific questions I have are:

1. What type of antenna system (mounting) did you use?

2. I intend to operate with output powers of about 100 watts PEP. Did you experience any problems with the electronic control system (fuel injection, cruise control, etc) caused by the transmitted RF? If so were you able to remedy the problems?

3. Is there any noise generated by the Taurus that a good quality noise blanker would have trouble with at HF? If so, any effective fixes?

My current plans are to try to get some sort of an antenna mount built for a hustler mobile antenna (which I already have) that would bolt to the frame similar to a trailer hitch. What ever I do I have to get it done in less than a month (trip planned) so I am hoping to get a jump on any problems by asking for any experiences out in net-land. Thanks in advance for any responses.

Jim Summers, KD7F

From 6652569007688037807
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16d9f08f560aebaf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-03 23:45:58 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!OUACCVMB.BITNET!TCOMGRD1
From: TCOMGRD1@OUACCVMB.BITNET
Newsgroups: rec.ham-radio
Subject: EBS Nuclear Announcement
Message-ID: <9006032356.AA15701@ucsd.edu>
Date: 3 Jun 90 23:33:47 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 34
Posted: Mon Jun 4 00:33:47 1990

Date: 3 June 1990, 19:22:11 EDT
From: TCOMGRD1 at OUACCVMB
To: INFO-HAMS@WSMR-SIMTEL20.ARMY.MIL at MIL

About the EBS (Emergency Broadcast Network)....

I worked at out campus staion fall quarter (semester) [WOUB/WOUC -- Athens (ch 20) and Cambridge (ch 44?) in Ohio]. We had the EBS button right there by the Duty Directors console (the guy who does the on-air switching of programs) as well as the audio carts (commonly used in radio for commercials. We use them with slides for quick voice-overs and to fill space when satellite shows end early) for the EBS. There were 2 carts, bright flourscent orange, marked something to the effect of: EBS (0:30min [30secs]) xx/xx/xx [date] Male Voice. "Thermonuclear Announcement". I asked what the heck they were, and was told that they (one male voice and one female voice) were the tapes to be played in event of Nuclear War. Ever curious, I asked what they said. No one knows. It seems only the station manager has ever heard them, and he decided that they are potentially too stress provoking to let anyone else hear.

Some of the DD's there said they dont want to know what they say... but I still want to know, heck, if yer nuked your nuked.... what doesit matter if you know the announcemnt ahead of time! I asked some more authoritative people at the station if i could listen to one of the "carts" in an isolated room sometime and was told "No.".

Does anyone out there know what these say? If so could you email me what is says, or is that illegal somehow?? WHATEVER YOU DO... Dont reply with the actual message to the net!!!!!

```
Pete Simpson              as of June 7th:
KB9DWN
226 Tiffin Hall           R.R. 2, Box 450 [NOT P.O. BOX!]
Ohio University           Fremont, IN  46737
Athens, OH   45701        (219) 833-2552
(614) 597-3568
```

From 2764113675205511611
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3467af5cbdd1c8bc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 00:04:12 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!ucbvax!NKUVAX.BITNET!JOHNSTON
From: JOHNSTON@NKUVAX.BITNET ("Gary Johnston, Music Department")
Newsgroups: rec.ham-radio
Subject: Re: Info-Hams Digest V1 #5
Message-ID: <854685049D5F0003C3@NKUVAX.BITNET>
Date: 4 Jun 90 04:24:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Mon Jun 4 05:24:00 1990

>>>>
I've got a kenwood tr-2400 handheld, but no manual. I desperately need to find out from the schematic what kind of transistor Q11 is.
>>>>

My Instruction Manual says Q11 functions as an AVR using a 2SC2603 (E). At least that's what the block diagram says. The schematic diagram on the next shows it as a 2CS2668 (Y) ?!!   Good luck. If this doesn't help, I have a Service Manual tucked in a drawer somewhere around here. Maybe a third opinion might help!

Gary KI4LA

From -4370448672721573673
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c979a163ceca76c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1153e1,7e9370a78d37dcba
X-Google-Attributes: gid1153e1,public
X-Google-ArrivalTime: 1990-06-04 00:21:08 PST

Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Neat ham tricks...
Summary: Don Wallace
Message-ID: <798@ssc.UUCP>
Date: 4 Jun 90 01:33:25 GMT
References: <9005262018.AA09589@ucbvax.Berkeley.EDU> <5540035@hpccc.HP.COM>
<1375@yenta.alb.nm.us>
Organization: very little
Lines: 28
Posted: Mon Jun 4 02:33:25 1990

In article <1375@yenta.alb.nm.us>, dt@yenta.alb.nm.us (David B. Thomas) writes:
> I used to have a cb in my car, and it came over the intercom at a local
> burger joint perfectly. My 'neat ham trick' was to go and order my burger,
> get my order number ("We'll call number 21 when that's ready") then go back
> to the CB and transmit "Number 20, your order is ready", and watch the fun!

Reminds me of a story....

Don Wallace, W6AM, had a KW rig in his convertable back in the early 1950s.
According to an item I read in an old magazine (CQ? QST?) he used to drop
his wife off at a department store in LA for shopping, and then drive off
and visit a ham store or do some hamming.

The killowatt transmitter got into the store's PA system very nicely on
AM (I don't recall the band). When Don was ready to pick her up, he
would pull up in front of the store and announce, "WILL MRS DON WALLACE
PLEASE COME TO THE FRONT OF THE STORE".

>
Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 2687320880038025814
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3c6d39e3e1e43f8a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 00:21:23 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: AMSAT Bulletins for 6/2/90
Message-ID: <801@ssc.UUCP>

Date: 4 Jun 90 02:21:46 GMT
Organization: very little
Lines: 564
Posted: Mon Jun 4 03:21:46 1990

KA9Q used to post AMSAT bulletins on a regular basis. Awhile back I wrote to him and asked if he was going to continue doing it, and he said he was too busy. To get them on the local packet network, I have been calling the BBS in Texas every weekend where they are posted (214/394-7438) and downloading them. From now on I will post them here. I have made some minor changes to clean them up for packet, such as limiting titles to 30 characters, line length to less than 79 characters, and running them through a spelling checker (there seem to be 3 or 4 minor misspellings per week).

I encourage anyone who is on VHF packet to download them from the BBS, or get them here, and upload them to packet. BE SURE to preserve the bulletin IDs (BID$) so that we don't have multiple copies running around the packet network. This should help fill in some of the holes in distribution around the country.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

SB ALL @ AMSAT $ANS-153.01
WO-18 STATUS REPORT

HR AMSAT NEWS SERVICE BULLETIN 153.01 FROM AMSAT HQ
SILVER SPRING, MD JUNE 2, 1990
TO ALL RADIO AMATEURS BT

WO-18 CCD Camera Iris Settings Experiments

For the past several weeks WEBERSAT-OSCAR-18 (WO-18) has been sending three to four pictures daily from outer-space. This continuous stream of imaging data has been part of an on going experiment by the students at Weber State University (WSU) to characterize the amount of natural light which enters the CCD camera for the various iris settings. The goal of this experiment is to find the proper settings for the camera iris for a particular light level. This will help considerably in improving the overall picture quality. With the integration of the on-board earth's sensors in the current software, the occurrence of over exposed pictures or totally dark pictures taken when WO-18 isn't earth pointing is no longer a problem. Chris Williams (WA3PSD) says that the painstaking task of manually setting the iris from the ground and observing the results will help software engineers in the future as they continue to understand the CCD camera operation. "The early days of random picture taking are gone," according to WA3PSD. There are 256 possible settings which ground controllers can command the camera iris to; a "zero" setting has the iris completely closed, a "255" setting has it wide open.

What will ultimately come out of this experiment is a look-up table in WO-18's software which will say "for this light level, use this iris setting."

For those wishing to take part in this experiment, WeberWare 1.0 is currently available from the AMSAT Software Exchange. Contact the Exchange at (301) 589-6062 for further information.
/EX
SB ALL @ AMSAT $ANS-153.02
WEBERWARE 1.0 USER QUESTIONS

HR AMSAT NEWS SERVICE BULLETIN 153.02 FROM AMSAT HQ
SILVER SPRING, MD JUNE 2, 1990
TO ALL RADIO AMATEURS BT

Most Asked Questions About WeberWare 1.0

WeberWare 1.0 is a software program for IBM PCs and clones which will take raw packets from WO-18 and turn the packets into pictures on EGA/VGA CRT screens.

Recently, as more amateurs start to use WeberWare 1.0, the following questions are being asked of AMSAT Area Coordinators about its use:

"Does the TNC [automatically] go into KISS Mode?"
The answer to this no. You must command your TNC into KISS mode by typing: KISS ON. After this, the TNC must be RESTARTed or turned off and back on so that it will actually start to operate in KISS mode.

"How do you store the files? As ASCII"
The picture data from WO-18 comes down as raw binary data, that is, it is not displayable as ASCII characters. As the data is received, your communications program must store the binary packets in a file. Do not be concerned about ASCII telemetry frames which occasionally come down along with the binary packets. WeberWare 1.0 ignores the ASCII telemetry.

"How do you upload a picture to WeberWare 1.0?"
When you store the data from a WO-18 pass, name the file so that its file extension has a ".RAW" and put the file in the same directory in which WeberWare 1.0 resides. After you have invoked WeberWare 1.0 and the main menu comes up, you will see an option for "PACKETS TO PIXELS." Upon choosing that option, WeberWare will give you a choice

of all files that have file extensions ".RAW"

Chris Williams (WA3PSD) of Weber State University (WSU) points out that a complete picture file will take up about 156 Kbytes in a disk file. According to Chris, one can quickly start to run out of hard disk space in a HURRY!
/EX
SB ALL @ AMSAT $ANS-153.03
NOMINATIONS FOR AMSAT-NA BOD

HR AMSAT NEWS SERVICE BULLETIN 153.03 FROM AMSAT HQ
SILVER SPRING, MD JUNE 2, 1990
TO ALL RADIO AMATEURS BT

Nominations Period for Three Seats on AMSAT-NA BOD to Close Soon

Nominations are sought for the AMSAT Board of Directors. Directors are elected by the membership for two-year terms. Any member society or group of five members can nominate someone (a member) to run for the position.

This year there are three seats to be filled. Those directors whose seats are up for election are Phil Karn, KA9Q, Tom Clark, W3IWI, and the seat vacated by the resignation of Vern Riportella, WA2LQQ.

All nominations should be sent to AMSAT BoD Nominations, 850 Sligo Ave #600, Silver Spring, MD 20910 to arrive no later than June 15, 1990.
/EX
SB ALL @ AMSAT $ANS-153.04
SAREX PACKET HINTS (PART-1)

HR AMSAT NEWS SERVICE BULLETIN 153.04 FROM AMSAT HQ
SILVER SPRING, MD JUNE 2, 1990
TO ALL RADIO AMATEURS BT

You learn very quickly when venturing into the world of Packet Radio that unless you use the correct call sign when attempting to connect to another packet station, you won't get too far. Such is the case with the packet operation on SAREX. A number of publications reported earlier this year that the SSID for the SAREX packet ROBOT would be = 1 (ie: WA4SIR-1). Tom Clark, W3IWI, reports that both the HK21 ROBOT TNC and the operational software for the GRID laptop computer have the calls defaulted to WA4SIR (SSID = 0) and that call should be used unless, for some unanticipated reason, the defaults are overridden. Tom continues, the best advice is for you to MONITOR the downlink signals from STS-35 and use whatever call you see on the downlink. The ROBOT TNC code uses only one SSID at a time.

Because the WA4SIR SAREX ROBOT will be bombarded with signals from tens or hundreds of ground-based users when STS-35 is flying over populated areas, it is not possible for the ROBOT TNC and radio to use normal half-duplex packet procedures -- the CD (carrier detect) signal will simply never drop! The ROBOT will be running in a modified full-duplex mode. When the ROBOT copies a valid packet frame (or when it is time to send a beacon), the data to be sent is put into a buffer and a timer (which is called the FUDtimer) is started. The ROBOT firmware then queues all other outgoing transmissions in the buffer until FUDtimer expires (3 seconds later), and all downlink frames in the queue are sent in one long transmission. You may discover that the response time while running in this mode is sluggish when compared to normal packet operation.

Since the SAREX handheld radio cannot receive when it is transmitting, users should insure that they remain silent and listen when the shuttle is transmitting. In other words, DO NOT RUN FULL DUPLEX ON THE GROUND! Leave your TNC in half-duplex mode (FULLDUP OFF) with CD active just like you do for normal VHF packet operations.
/EX
SB ALL @ AMSAT $ANS-153.05
SAREX PACKET HINTS (PART-2)

HR AMSAT NEWS SERVICE BULLETIN 153.05 FROM AMSAT HQ
SILVER SPRING, MD JUNE 2, 1990
TO ALL RADIO AMATEURS BT

You should be careful with the setting of two of your TNC's timers: DWAIT and FRACK. DWAIT is the time interval after your Carrier Detect light goes out and before your transmitter turns on. You want to make sure your connects requests and acks are contained in the 3 second FUDtimer window. If everybody runs the same DWAIT (like the typical 0.1 - 0.5 second values used for terrestrial packet), then everybody will be transmitting at the same time. Part of the key to your success when uplink QRM is heavy is to pick a DWAIT that nobody else is using! (sort of like picking a lottery number!)

FRACK sets the time interval between your transmissions. After you send a frame, your TNC waits for the FRACK time, and then waits for the Carrier Detect signal to drop, then waits DWAIT, and then tries again. You should make sure your FRACK is at least 3 seconds so that you are not transmitting when the ROBOT's FUDtimer decides it is time for it to transmit -- if you are transmitting at the same time, you will miss any packets the shuttle is addressing to you and you won't have a successful QSO.

Note that your DWAIT (how soon do I transmit?) and FRACK (then how long do I wait?) parameters and the need to stop transmitting so you can hear a reply are just like you encounter when working a DXpedition pileup on HF. If the DX station has a pattern of listening for a few seconds (=FUDtimer) before transmitting, you may have better luck being the LAST station they hear, after the din dies down. The differences are that (1) the ROBOT is a computer and is very predictable and (2) the ROBOT can be working several stations at one time.

[ANS thanks W3IWI for compiling the information for this bulletin]

Note: At press time, the leak problem in Columbia's Hydrogen fuel system had not been resolved and a new launch date had not been set. Usually reliable sources indicated that a launch date before June 8, 1990 was not to be expected and the delays could persist for several more weeks.

/EX
SB ALL @ AMSAT $ANS-153.06
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 153.06 FROM AMSAT HQ
SILVER SPRING, MD JUNE 2, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times. Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date UTC	Time	Phs	Mode	NCS	U.S. Day
04 Jun 90	0100	104	J/L	WB9ANQ	Sunday
15 Jun 90	0115	104	J/L	N5BF	Thursday
26 Jun 90	0115	144	B	N5BF	Monday

For information on the amateur satellite program and how you can participate, contact AMSAT-NA at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062, or contact your local AMSAT Area Coordinator.
/EX
SB ALL @ AMSAT $ANS-153.07
AO-13 TRANSPONDER SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 153.07 FROM AMSAT HQ
SILVER SPRING, MD JUNE 2, 1990
TO ALL RADIO AMATEURS BT

Transponder Schedule for AO-13 Effective 05MAY90

The present transponder schedule for AO-13 is as follows:

Mode-B : MA 000 to MA 100
Mode-JL : MA 100 to MA 125
Mode-LS : MA 125 to MA 130 (Mode S Beacon only)
Mode-S : MA 130 to MA 135
Mode-BS : MA 135 to MA 140
Mode-B : MA 140 to MA 256
Omnis : MA 220 to MA 040

The best estimate of the current attitude is:

BLON = 179 and BLAT = -2.1 for 04 Jun 90

Cross mode B and S QSOs are possible during MA 135 to 140.

AO-10's Mode-B Transponder Now Available for Use:

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AMSAT-OSCAR-10 appears to be receiving sufficient solar panel illumination
to support Mode-B transponder operations, therefore, the transponder is
available for general use whenever AO-10 is in view at your location.
Please DO NOT use the transponder if the signals are FMing.  The current
estimate of AO-10's attitude is   LON 24 deg   LAT -9 deg.
/EX
SB ALL @ AMSAT $ORBS-153.O
Orbital Elements 153.OSCAR

HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES
FROM N3FKV LORENA, TX      JUNE 2, 1990
TO ALL RADIO AMATEURS BT

Satellite: AO-10
Catalog number: 14129
Epoch time:      90141.55893209
Element set:     525
Inclination:       25.9838 deg
RA of node:       203.2065 deg
Eccentricity:    0.5966345
Arg of perigee:   144.7263 deg
Mean anomaly:     275.5441 deg
Mean motion:    2.05881342 rev/day
Decay rate:      -3.40e-07 rev/day^2
Epoch rev:            5218

Satellite: UO-11
Catalog number: 14781
Epoch time:      90150.60681341
Element set:     739
Inclination:       97.9502 deg
RA of node:       203.7363 deg
Eccentricity:    0.0012427
Arg of perigee:   309.2706 deg
Mean anomaly:      50.7376 deg
Mean motion:   14.65386404 rev/day
Decay rate:      2.274e-05 rev/day^2
Epoch rev:           33339

Satellite: RS-10/11
Catalog number: 18129
Epoch time:      90150.88464022
Element set:     206
Inclination:       82.9265 deg
RA of node:       341.3123 deg
Eccentricity:    0.0012162
Arg of perigee:   160.4836 deg
Mean anomaly:     199.6814 deg
Mean motion:   13.72090897 rev/day
Decay rate:       1.58e-06 rev/day^2
Epoch rev:           14707

Satellite: AO-13
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Catalog number: 19216
Epoch time:      90148.23246392
Element set:     128
Inclination:       56.9522 deg
RA of node:       153.1540 deg
Eccentricity:    0.6957743
Arg of perigee:   228.0483 deg
Mean anomaly:      47.3201 deg
Mean motion:    2.09698248 rev/day
Decay rate:       1.05e-06 rev/day^2
Epoch rev:            1498

Satellite: FO-20
Catalog number: 20479
Epoch time:      90144.15135168
Element set:      75
Inclination:       99.0426 deg
RA of node:       195.1993 deg
Eccentricity:    0.0541743
Arg of perigee:   102.9595 deg
Mean anomaly:     263.2557 deg
Mean motion:   12.83155784 rev/day
Decay rate:       3.00e-08 rev/day^2
Epoch rev:            1366
/EX
SB ALL @ AMSAT $ORBS-153.D
Orbital Elements 153.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS
FROM N3FKV LORENA, TX      JUNE 2, 1990
TO ALL RADIO AMATEURS BT

Satellite: UO-14
Catalog number: 20437
Epoch time:      90151.43733054
Element set:     153
Inclination:       98.7024 deg
RA of node:       227.5906 deg
Eccentricity:    0.0010468
Arg of perigee:   201.5841 deg
Mean anomaly:     158.4689 deg
Mean motion:   14.28616292 rev/day
Decay rate:     -2.350e-05 rev/day^2
Epoch rev:            1847

Satellite: AO-16
Catalog number: 20439
Epoch time:      90142.25412747
Element set:      80
Inclination:       98.7039 deg
RA of node:       218.5151 deg
Eccentricity:    0.0010628
Arg of perigee:   229.1515 deg
```

```
Mean anomaly:     130.8783 deg
Mean motion:   14.28715882 rev/day
Decay rate:       6.92e-06 rev/day^2
Epoch rev:            1716

Satellite: DO-17
Catalog number: 20440
Epoch time:      90150.23446723
Element set:      83
Inclination:       98.7039 deg
RA of node:       226.4855 deg
Eccentricity:    0.0011009
Arg of perigee:   204.9054 deg
Mean anomaly:     155.1593 deg
Mean motion:   14.28772891 rev/day
Decay rate:       7.54e-06 rev/day^2
Epoch rev:            1830

Satellite: WO-18
Catalog number: 20441
Epoch time:      90150.64496878
Element set:      83
Inclination:       98.7040 deg
RA of node:       226.9105 deg
Eccentricity:    0.0011547
Arg of perigee:   204.2814 deg
Mean anomaly:     155.7811 deg
Mean motion:   14.28871939 rev/day
Decay rate:       6.67e-06 rev/day^2
Epoch rev:            1836

Satellite: LO-19
Catalog number: 20442
Epoch time:      90150.63884055
Element set:      83
Inclination:       98.7046 deg
RA of node:       226.9194 deg
Eccentricity:    0.0011741
Arg of perigee:   205.3066 deg
Mean anomaly:     154.7526 deg
Mean motion:   14.28941027 rev/day
Decay rate:       6.94e-06 rev/day^2
Epoch rev:            1836
/EX
SB ALL @ AMSAT $ORBS-153.M
Orbital Elements 153.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES
FROM N3FKV LORENA, TX      JUNE 2, 1990
TO ALL RADIO AMATEURS BT

Satellite: SALYUT 7
Catalog number: 13138
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```
Epoch time:      90151.88508010
Element set:     296
Inclination:       51.6028 deg
RA of node:        26.7166 deg
Eccentricity:    0.0001926
Arg of perigee:   147.6701 deg
Mean anomaly:     212.4059 deg
Mean motion:   15.62973778 rev/day
Decay rate:     3.0730e-04 rev/day^2
Epoch rev:           46230

Satellite: MIR
Catalog number: 16609
Epoch time:      90151.89394067
Element set:     704
Inclination:       51.6144 deg
RA of node:        52.9043 deg
Eccentricity:    0.0010267
Arg of perigee:   351.6325 deg
Mean anomaly:       8.4458 deg
Mean motion:   15.60876417 rev/day
Decay rate:     2.5638e-04 rev/day^2
Epoch rev:           24555
/EX
SB ALL @ AMSAT $ORBS-153.W
Orbital Elements 153.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM N3FKV LORENA, TX      JUNE 2, 1990
TO ALL RADIO AMATEURS BT

Satellite: NOAA-9
Catalog number: 15427
Epoch time:      90151.33671649
Element set:     588
Inclination:       99.1661 deg
RA of node:       150.7762 deg
Eccentricity:    0.0016197
Arg of perigee:    58.6978 deg
Mean anomaly:     301.5781 deg
Mean motion:   14.12582294 rev/day
Decay rate:       5.35e-06 rev/day^2
Epoch rev:           28160

Satellite: NOAA-10
Catalog number: 16969
Epoch time:      90151.33758012
Element set:     436
Inclination:       98.6028 deg
RA of node:       179.6616 deg
Eccentricity:    0.0013195
Arg of perigee:   324.3723 deg
Mean anomaly:      35.6572 deg
Mean motion:   14.23622739 rev/day
Decay rate:       7.76e-06 rev/day^2
Epoch rev:           19221

Satellite: MET-2/16
Catalog number: 18312
Epoch time:      90148.94694968
Element set:     430
Inclination:       82.5526 deg
RA of node:       305.5432 deg
Eccentricity:    0.0011639
Arg of perigee:   313.9154 deg
Mean anomaly:      46.1044 deg
Mean motion:   13.83647461 rev/day
Decay rate:       2.19e-06 rev/day^2
Epoch rev:           14032

Satellite: MET-2/17
Catalog number: 18820
Epoch time:      90149.04324165
Element set:     281
Inclination:       82.5454 deg
RA of node:         5.6828 deg
Eccentricity:    0.0017771
Arg of perigee:    22.4076 deg
Mean anomaly:     337.7855 deg
Mean motion:   13.84344066 rev/day
Decay rate:       2.59e-06 rev/day^2
Epoch rev:           11753

Satellite: MET-3/2
Catalog number: 19336
Epoch time:      90148.81638992
Element set:     491
Inclination:       82.5393 deg
RA of node:       291.1318 deg
Eccentricity:    0.0018163
Arg of perigee:     5.3412 deg
Mean anomaly:     354.7893 deg
Mean motion:   13.16897428 rev/day
Decay rate:       3.91e-06 rev/day^2
Epoch rev:            8840

Satellite: NOAA-11
Catalog number: 19531
Epoch time:      90151.29768223
Element set:     287
Inclination:       98.9813 deg
RA of node:        99.5874 deg
Eccentricity:    0.0011697
Arg of perigee:   337.4032 deg
Mean anomaly:      22.6622 deg
Mean motion:   14.11610796 rev/day
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Decay rate:       4.22e-06 rev/day^2
Epoch rev:            8658

Satellite: MET-2/18
Catalog number: 19851
Epoch time:      90146.33488642
Element set:     230
Inclination:       82.5223 deg
RA of node:       245.8618 deg
Eccentricity:    0.0016457
Arg of perigee:    68.4243 deg
Mean anomaly:     291.8676 deg
Mean motion:   13.83974338 rev/day
Decay rate:       2.42e-06 rev/day^2
Epoch rev:            6254

Satellite: MET-3/3
Catalog number: 20305
Epoch time:      90148.67705882
Element set:     132
Inclination:       82.5528 deg
RA of node:       231.7493 deg
Eccentricity:    0.0016722
Arg of perigee:    22.7210 deg
Mean anomaly:     337.4648 deg
Mean motion:   13.15857469 rev/day
Decay rate:       4.00e-08 rev/day^2
Epoch rev:            2838
/EX
```

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 7901329978134176479
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16d9f08f560aebaf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 05:53:21 PST
Path: gmdzi!unido!mcsun!uunet!swlabs!jack
From: jack@swlabs.uucp (Jack Bonn)
Newsgroups: rec.ham-radio
Subject: Re: EBS Nuclear Announcement
Message-ID: <1990Jun4.102657.22867@swlabs.uucp>
Date: 4 Jun 90 10:26:57 GMT
References: <9006032356.AA15701@ucsd.edu>

Reply-To: jack@swlabs.UUCP (Jack Bonn)
Organization: Software Labs, Ltd.
Lines: 25
Posted: Mon Jun 4 11:26:57 1990

In article <9006032356.AA15701@ucsd.edu> TCOMGRD1@OUACCVMB.BITNET writes:
>   I asked what the heck they were, and was told
>that they (one male voice and one female voice) were the tapes to be played
>in event of Nuclear War. Ever curious, I asked what they said. No one knows.
> .
> .
> .
>   Does anyone out there know what these say? If so could you email me
>what is says, or is that illegal somehow?? WHATEVER YOU DO... Dont reply with
>the actual message to the net!!!!!

Oh come on. Why not just post it?

You have us all curious now.

Heck, I'd be tempted to play them on the air! :-) OK, at least into the
input of the local repeater. Seems to be better than ordering a pizza
(a thermonuclear pizza, now that's well-done).

This isn't one of those jokes that will drive you insane, is it? :-)
--
Jack Bonn, KC1UH, <> Software Labs, Ltd, Box 451, Easton CT 06612
uunet!swlabs!jack (UUCP)
jack@kc1uh   (TCP/IP)
kc1uh@wb1cqo   (AX.25)

From -8924284563470775823
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e39df4bbfd211ae1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 07:16:46 PST
Path: gmdzi!unido!mcsun!sunic!tut!uta!tijoma
From: tijoma@uta.fi (Jorma M{ntyl{)
Newsgroups: rec.ham-radio
Subject: Re: VHF Es on May31/June1
Keywords: Es-skip
Message-ID: <1359@kielo.uta.fi>
Date: 4 Jun 90 12:47:35 GMT
References: <9006011846.AA17602@cmr.ncsl.nist.gov>
Reply-To: tijoma@kielo.uta.fi (Jorma M{ntyl{)
Organization: University of Tampere, Finland
Lines: 25
Posted: Mon Jun 4 13:47:35 1990

In article <9006011846.AA17602@cmr.ncsl.nist.gov> rc@CMR.NCSL.NIST.GOV (Robert
Carpenter) writes:
>

>Last evening, May 31 U.S. time, there was a good 6- and 2-meter Es opening.
>The 6-meter opening didn't have anything RARE from here in W3, mostly 5s.
>The big event was an hour of loud 2-meter sigs from Texas and Oklahoma. I managed
>to p;ick up a few new grids.
>An attempt to DX on the FM BC band failed as usual. The 50+ local stations don't
>allow much chance to hear DX.
>
>What did you hear?
>Bob W3OTC

Actually I am not radioamateur but DX-listener, but I am also interested
in VHF. It is surprising that there was an Es opening at the same time
in North America and in Europe. Here in Finland I was able to hear on
June 1 1700-2000 UTC and June 2 0500-0700 UTC stations from Southern
Europe in the BC-FM-band 87,5-108 MHz. Most powerful signals from
France and Italy but I also heard stns from Austria, Yugoslavia,
Switzerland and W-Germany. MUF was not very high and sometimes there
were stns only below 100 MHz, the 100-108 MHz part was open for less
than 2 hours.
****
Jorma Mantyla   tijoma@uta.fi
Univ.of Tampere, PO Box 607, SF-33101 Tampere, Finland
****

From 1410044905422609108
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f1e5aa1d4fb846da
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 08:18:45 PST
Path: gmdzi!unido!mcsun!uunet!samsung!xanth!ames!rex!rouge!pc!jpd
From: jpd@pc.usl.edu (jpd DugalJP)
Newsgroups: rec.ham-radio
Subject: Re: 2m/70cm Repeaters
Message-ID: <9434@rouge.usl.edu>
Date: 4 Jun 90 14:58:43 GMT
References: <5A06010A2E14019A-MTABWIDENER*DXANDY@widener>
Sender: anon@rouge.usl.edu
Organization: Univ. of Southwestern La., Lafayette
Lines: 9
Posted: Mon Jun 4 15:58:43 1990

He may have been using one of the new dual-band radios in cross-band
repeat mode. Say, an HT on 446.x repeated on the 2m repeater input
freq.
--
-- James Dugal,   N5KNX   Internet: jpd@usl.edu
Associate Director   Ham packet: n5knx@w5ddl
Computing Center   US Mail: PO Box 42770 Lafayette, LA 70504
University of Southwestern LA.   Tel. 318-231-6417 U.S.A.

From 1725533858900666870
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d38ac5dc3844979b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 08:36:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!SACEMNET.AF.MIL!lwrclmr
From: lwrclmr@SACEMNET.AF.MIL ("LWRCLMR")
Newsgroups: rec.ham-radio
Subject: Ham Tricks
Message-ID: <9006052251.AA14005@ucsd.edu>
Date: 4 Jun 90 15:36:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 22
Posted: Mon Jun 4 16:36:00 1990

REF ham radio and radar detectors

A few years back, I had just turned south on I-75 from I-10 when I was nearly blown off the road by a station wagon with the sign of a real estate agency on the door and Georgia license plates. I keyed up the old tube type two-meter rig on 52 and gave a call, of course not expecting an answer in that particular area. The expected result was, of course, to set off his fuzzbuster. The guy immediately slowed down and got on the CB looking for Smokey. Minutes later, he sped up again and several miles later, I repeated the episode. More calling on the CB and re-adjusting the sensitivity on the detector (he turned the dome light on for this). I slowed down and dropped back, then caught up agian to repeat the senario several times. Finally he turned on the dome light again, ripped the detector from his windshield, and threw it into the rear of the wagon and took off. He lost me at about 75 and accelerating. Twenty miles later I passed him whilst he was in the presence of one of Floridas finest receiving his welcome to the state. Justice triumphs again!

Unfortunately most two-meter rigs don't set off the new detectors today, but J.C. Whitney advertises a radar gun that should do the job nicely, no license required!

73

From 5191493117533646386
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c021dc625fa81bf2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 08:39:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!ucsd!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: RE: Field Day rules in re "packet QSO"
Message-ID: <9006041551.AA24213@ti.com>
Date: 4 Jun 90 15:39:00 GMT

Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25
Posted: Mon Jun 4 16:39:00 1990

From: FLOPN2::RLWEST   "Bob West, WA8YCD" 4-JUN-1990 10:35:15.02
To: TILDE::"faunt@CISCO.COM"
CC: RLWEST
Subj: RE: Field Day rules in re "packet QSO"

> From: TILDE::"faunt@CISCO.COM" "Doug Faunt N6TQS 415-688-8269" 4-JUN-1990 03:42:34.52
> To: info-hams-incoming
> CC:
> Subj: Field Day rules in re "packet QSO"
>
> So, what constitutes a "packet QSO"? Does a contact with a BBS count,
> or do I have to find someone to keyboard to keyboard with?
> thanx, and 73, doug

Doug,

Unless the rules have changed from last year, NO, BBS and DIGIPEATER contacts DO NOT COUNT. Only direct connects.

73 ES GL TEST QRZ FD QRZ FD DE WA8YCD
--oops, a littel early for that!

--Bob WA8YCD
RLWEST@FLOPN2.CSC.TI.COM

From 7948562373170113815
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,872006fede81b41b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 08:58:59 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!ucsd!helios.ee.lbl.gov!pasteur!agate!shelby!portia.stanford.edu!jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: MJF1278 Multi-level FAX
Message-ID: <1990Jun3.194955.2544@portia.Stanford.EDU>
Date: 3 Jun 90 19:49:55 GMT
References: <2366@anasaz.UUCP>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 18
Posted: Sun Jun 3 20:49:55 1990
X-Local-Date: 3 Jun 90 12:49:55 PDT

In article <2366@anasaz.UUCP> john@anasaz.UUCP (John Moore) writes:
>Has anyone figured out the format of the multi-level fax
>format for RS232 from the MFJ1278. The documentation indicates that
>the lower 6 bits of each character represent 3 2-bit pixels. However,
>as far as I can tell (using a signal generator), individual pixels
>are meaningless - only the average 6-bit values are real.
>Does anyone know?

If you have the latest ROM Rev, you should have 8 level capability as well
as 4 level. MULTIFAX should be ON, 8LEVEL should be ON. The pixels are packed
two to a byte, and 40H is added to the byte to make it printable ASCII. WEFAX
comes out to 607.5 pixels per line; I usually just drop a pixel every other
line.

If you don't have the documentation on this, call or write MFJ.

-=Paul Flaherty, N9FZX/VK2WYX | "Anything below 1,000,000,000 Hz
->paulf@shasta.Stanford.EDU | is just nervous DC."

From 1141749987733091015
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95451e385318ebb8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 08:59:17 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!bbn.com!husc6!genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: Re: QSL'ing for money
Keywords: QSL cards, money, $1
Message-ID: <37421@genrad.UUCP>
Date: 4 Jun 90 12:53:05 GMT
References: <991@tsdiag.ccur.com>
Sender: news@genrad.UUCP
Reply-To: dls@genrad.UUCP (Diana L. Syriac)
Organization: GenRad, Inc., Concord, Mass.
Lines: 28
Posted: Mon Jun 4 13:53:05 1990

In article <991@tsdiag.ccur.com> davet@tsdiag.ccur.com (Dave Tiller N2KAU) writes:
>
>Could earning money in excess of the cost of QSL cards, postage, etc
>be considered doing buisness on the air? Just like VE's aren't allowed
>to charge more than the cost of materials for exams, couldn't the same
>idea be applied? I thought Amateur radio was for enjoyment, not for profit
>or extortion in order to get a rare card. Just a thought.

For those who believe that QSL managers and the like are simply doing it for
the money, let me remind you that MOST of us do it simply for the enjoyment
and the public service it provides to others. I actually end up putting
my own money into it....although I have to think long and hard before I
continue to send QSL cards and/or post cards to those hams who feel it's
their right to receive QSL cards at another's expense.

I generally send a post card once maybe twice.....after that, their QSL cards go in the trash.

I enjoy sorting QSL cards, but I sure can't say I make any money at it.....

CHEERS!

```
->Diana L. Syriac   CAP: SM, Freedom 690 Mobile    Ham: KC1SP(1 super pilot)<-
->USmail:   GenRad Inc., Mail Stop 6, 300 Baker Ave, Concord, Mass.  01742  <-
->usenet:   {decvax,mit-eddie}!genrad!dls      or dls@genrad.com
        <-
->tel:       (508) 369-4400 x2459    I'D RATHER BE FLYING!!!
             <-
```

```
From 3244109325997005885
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,21f6a0f67584ab27
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 09:41:56 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!husc6!m2c!umvlsi!umaecs!lkay
From: lkay@ecs.umass.edu (Leonard Kay, KB2R (UMass/Amherst))
Newsgroups: rec.ham-radio
Subject: Re: shortest ham call
Message-ID: <9981.266a234e@ecs.umass.edu>
Date: 4 Jun 90 09:01:02 GMT
References: <9006031027.AA18911@cmr.ncsl.nist.gov>
Lines: 17
Posted: Mon Jun  4 10:01:02 1990
```

In article <9006031027.AA18911@cmr.ncsl.nist.gov>, rc@CMR.NCSL.NIST.GOV (Robert Carpenter) writes:

> Jim Docke, WB2HBZ, has sent me a message claiming a tie for shortest ham call
> between my candidate (I5I) and King Hussein (JY1).

A tie, of course, in # of Roman characters only. In standard Morse spacing, I5I wins hands down (21 units to 49). But JY1 probably breaks through the pileups faster.

Another JY1 tidbit: I was browsing through the '90 CB (I know, it's like reading the phone book, but I was sitting in a pileup anyway) and found that Hussein also has an Iranian call - EP1JY. Hmmm.... Also, I5I is not in the 90 CB, but that's probably not surprising.

```
-------------------------------------------------------------------------
Leonard Kay, KB2R  UMass/Amherst      |  "It's always darkest just
(413)545-4762      lkay@ecs.umass.edu |    before it's totally black"
-------------------------------------------------------------------------
```

From 8559710917674308373
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e6d7fe87e85c90b0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-04 10:12:34 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!ucbvax!ULKYVM.BITNET!MEHARP01
From: MEHARP01@ULKYVM.BITNET (Michael Harpe)
Newsgroups: rec.ham-radio
Subject: EBS followup and comments on the "old" EBS stuff
Message-ID: <9006041620.AA24453@ucsd.edu>
Date: 4 Jun 90 14:39:59 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: University of Louisville
Lines: 43
Posted: Mon Jun 4 15:39:59 1990

Thanks to all for the reply on the EBS tones. I have information I need.

As for the old EBS nuclear annoucements...

Play the cart. It's pretty wild. If they are the ones I remember, those are the carts that used to come with the packet of authenticator words for the validation of the War Warning message. They essentialy tell you to "Be strong" and "listen for emergency information." The scripts were published in Government documents years ago. They are typical Cold War Doom and Gloom material. They have old strident sounding 1950's-type announcers reading the messages. They don't make 'em like that anymore.

They stopped shipping the carts after at least one (maybe two) incidents involving stations accidentally broadcasting the war carts when they were supposed to run the EBS test. One of those incidents caused a panic in the town it was played. Station got in trouble, national press, etc., etc. It's bad enough to be an idiot, but to become a Nationally Known Idiot is really bad. Incidents like that are bound to happen, especially with deregulation allowing untrained personnel to operate broadcast stations.

I work as a board op at a PBS affiliate here in Louisville. We still get the sealed envelopes with the authenticator words in them. When the old envelope expired once, we opened it to see what was in it. There's a red card with a list of words and dates. There are also scripts for use when you get the messages. I think that replaced the pre-recorded carts. I know we just have a test cart in our stack. I'll ask around about the war carts. I'm sure a paraphenalia junkie has one around somewhere. I don't think they'll cause stress, except if they get played when they shouldn't be :-). Talk about your Maalox Moments!

Yours for a better tomorrow!

de N4PLE

```
Michael Harpe, N4PLE                    | BITNET: MEHARP01@ULKYVM
106B Ormsby Building                    | VOICE:  502-588-7785
University of Louisville                | FAX:    502-588-5048
Louisville, KY  40292                   | AURAL:  "Mike!"
---------------------------------------------------------------------
"Sir, there is a large multi-legged creature crawling on your shoulder"
                                                  - Spock


From -6167657637906863634
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,52346cc641455727
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-31 00:49:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!
CONSRT.ROK.COM!postmstr"%mrgate."ssxmb.decnet
From: postmstr%mrgate.ssxmb.decnet@CONSRT.ROK.COM ("MRGATE::"SSXMB::POSTMSTR"")
Newsgroups: rec.ham-radio
Subject: Delivery Failure Report
Message-ID: <9005310825.AA14869@ucsd.edu>
Date: 31 May 90 07:49:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Thu May 31 08:49:00 1990

From:    POSTMSTR @SSXMB
To:  MRREMNET @MRGATE
     WINS%"INFO-HAMS @UCSD.EDU" @CONSRT @MRGATE


     Author:
     Sender:  WINS%"INFO-HAMS @UCSD.EDU"@CONSRT@MRGATE@CONSRT
     Subject: Info-Hams Digest V1 #3
     Message Class:

     Recipients:

          BCCROWE@DALMAC


Unable to deliver mail from Sender name WINS%"INFO-
HAMS@UCSD.EDU"@CONSRT@MRGATE@CONSRT.
Please contact your Soft-Switch Administrator to register this user in the Name
Translate Directory.


From 7886858801640895462
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c979a163ceca76c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-31 01:22:10 PST
Path: gmdzi!unido!mcsun!uunet!seismo!sundc!newstop!sun-barr!apple!usc!ucsd!ucselx!
```

crash!guhsd000
From: guhsd000@crash.cts.com (Paula Ferris)
Newsgroups: rec.ham-radio
Subject: Re: Neat ham tricks...
Message-ID: <2916@crash.cts.com>
Date: 31 May 90 08:22:10 GMT
References: <46012@iuvax.cs.indiana.edu> <8223@jpl-devvax.JPL.NASA.GOV>
<377@hfsi.UUCP>
Organization: HALE Telecommunications, San Diego
Lines: 13
Posted: Thu May 31 09:22:10 1990

A variation of the pretend to run a plate trick I have used a few times,
esp when I know they are listening to the radio is throw my tranmitter way
out of tune, and hit the power, and sneak into the early stages of their
amplifier.

It drives speakers faintly when they arn't even hooked up at all.

Also screws up my electronic ignition, set off car alarms, and pay phones
seem to be made to pick up stray RF.

I know it's not a good practice, but driving behind me with your brights on
isn't either.

From -4829597185153533693
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8316fbd0ec91f004
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8316fbd0ec91f004
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-31 02:20:59 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!apple!bionet!ames!
uhccux!keith
From: keith@uhccux.uhcc.Hawaii.Edu (Vampires R Us)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Who's on 407.75MHz?
Keywords: Mystery Frequency
Message-ID: <7975@uhccux.uhcc.Hawaii.Edu>
Date: 31 May 90 09:20:59 GMT
References: <3342@radio.oakhill.UUCP> <4ab5c461.20b6d@apollo.HP.COM>
Reply-To: keith@uhccux.UUCP (Vampires R Us)
Followup-To: rec.ham-radio
Organization: University of Hawaii
Lines: 17
Xref: gmdzi rec.ham-radio:11877 rec.radio.shortwave:1361
Posted: Thu May 31 10:20:59 1990

In article <4ab5c461.20b6d@apollo.HP.COM> hays@apollo.HP.COM (John Hays) writes:
>Air Force 1 is any aircraft carryin the president ... thus the helicopter
>for that short trip was AF-1 ....

Air Force One is any aircraft that is carrying the President
crewed by Air Force personnel. A specialized VIP Military Airlift unit
in the Air Force is responsible for this.
The helicopters are Marine Corps helicopters, and I believe
there is a specialized VIP unit within the Corps that takes care
of the helicopters. If he is in the Marines helicopters the aircraft
isn't called "Air Force One," but "Marines One."

```
--
Keith Kinoshita, UHCC Mac Pgmr & UHCC NeXT CuBE NeOPHyTE (SoON-PgMR)
INTERNET: keith@uhccux.UHCC.HAWAII.EDU     ARPA:  uhccux!keith@nosc.MIL
BITNET:   keith@uhccux                     UUCP: ...!ucsd!nosc!uhccux!keith
"Rise, Sir Pooh de Bear, most faithful of all my Knights." -Christopher Robin
```

```
From -7232220516833183605
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8316fbd0ec91f004
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8316fbd0ec91f004
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-31 05:23:27 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!haven!decuac!shlump.nac.dec.com!
ryn.esg.dec.com!pstjtt.enet.dec.com!taber
From: taber@pstjtt.enet.dec.com
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Air Force One (was Re: Who's on 407.75MHz?)
Message-ID: <1640@ryn.esg.dec.com>
Date: 31 May 90 12:23:27 GMT
Sender: guest@ryn.esg.dec.com
Followup-To: rec.ham-radio
Organization: Digital Equipment Corporation
Lines: 22
Xref: gmdzi rec.ham-radio:11859 rec.radio.shortwave:1352
Posted: Thu May 31 13:23:27 1990
```

In article <2239@speedy.mcnc.org>, spl@duck.ncsc.org (Steve Lamont) writes...
>In article <4ab5c461.20b6d@apollo.HP.COM> hays@apollo.HP.COM (John Hays) writes:
.>>Air Force 1 is any aircraft carryin the president ... thus the helicopter
.>>for that short trip was AF-1 ....
>
>I don't think that's correct. I believe the Presidential helicopter is flown
>by the Marine Corps and is called Marine 1.
>
>I tried looking this up in a couple of references that I had handy but
>couldn't find anything either confirming or negating. Does anyone have a
>better library?
>
Well, I can say from first-hand experience that the Army helicopter
designated for presidential transport is called "Army 1". It hangs
out at Davidson Army Airfield just outside D.C. It's probably the

only Chinook in the Army inventory that doesn't drip hydraulic fluid...

>>>==>PStJTT
Patrick St. Joseph Teahan Taber

Mail address: Nahhhhh, you don't want to send me mail....

From 9022792150310596793
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c43d3abf4f8a5d7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-31 05:30:04 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!cs.utexas.edu!rutgers!mcnc!unccvax!cs00jmc
From: cs00jmc@unccvax.UUCP (John Covington WN4BBJ)
Newsgroups: rec.ham-radio
Subject: Re: Shortest Ham Call ?
Message-ID: <2079@unccvax.UUCP>
Date: 31 May 90 12:30:04 GMT
References: <30500560@ux1.cso.uiuc.edu>
Reply-To: cs00jmc@unccvax.UUCP (John Covington WN4BBJ)
Organization: University of North Carolina at Charlotte
Lines: 22
Posted: Thu May 31 13:30:04 1990

In article <30500560@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>
>In Part 2 of the FCC Rules and Regulations is where allocations are made.
>Frequencies are allocated to services as well as call signs. It just so
>happens that the call signs K0A-K9Z, N0A-N9Z, and W0A-W9Z are allocated
>to the Amateur Service. There happens to be not policy of issuing them,
>but if they decided to do so, the rules are in place and they could do
>so w/o a rulemaking proceeding.

Back in the late 70s the call N6V was issued as a special event call. I think they were broadcasting SSTV pictures from Pioneer or Voyager spacecraft. The main reason I remember it is that they were using some unusual feedline for some of their antennas (nitrogen-filled hardline or something, it's been too long!).

```
--
John Covington WN4BBJ        Internet: cs00jmc@unccvax.uncc.edu
P.O. Box 217122              MCI Mail: JCOVINGTON 342-6957
Charlotte, NC 28221-7122     Packet Radio Mail: WN4BBJ @ W4BFB.NC.USA.NA
(704) 537-7653               "Give it back, Eric, it's not yours" (the ICOM)
```

From -5803970644239131892
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43769fa522a1ed06

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-31 05:31:56 PST
Path: gmdzi!unido!mcsun!uunet!ncrlnk!ncrwic!encad!ensub!msjohnso
From: msjohnso@ensub.Wichita.NCR.COM (Mark Johnson)
Newsgroups: rec.ham-radio
Subject: Re: strange call signs
Message-ID: <344@ensub.Wichita.NCR.COM>
Date: 31 May 90 12:31:56 GMT
References: <9005220028.AA01349@ti.com> <H1#-XQH@splut.conmicro.com>
<4a913ecf.20b6d@apollo.HP.COM> <18500@mbf.UUCP>
Reply-To: msjohnso@ensub.Wichita.NCR.COM (Mark Johnson)
Organization: NCR Corporation, Wichita, KS
Lines: 6
Posted: Thu May 31 13:31:56 1990
Keywords:

When I was at Purdue in the middle 1970's there was a YL ham named Alicia
who had the callsign WB9LAD.

```
--
Mark Johnson      WB9QLR/0      NCR Peripheral Products Division
Mark.Johnson@Wichita.NCR.COM    3718 N. Rock Rd.
(316) 636-8189    NAR #14025    Wichita, KS  67226
```

From 4005088636202921516
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95451e385318ebb8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-31 05:47:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!ge-dab!tarpit!peora!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: QSL'ing for money
Keywords: QSL cards, money, $1
Message-ID: <991@tsdiag.ccur.com>
Date: 31 May 90 12:47:11 GMT
Organization: CONCURRENT,ENG. SERVICES,OCEANPORT NJ
Lines: 11
Posted: Thu May 31 13:47:11 1990

Could earning money in excess of the cost of QSL cards, postage, etc
be considered doing buisness on the air? Just like VE's aren't allowed
to charge more than the cost of materials for exams, couldn't the same
idea be applied? I thought Amateur radio was for enjoyment, not for profit
or extortion in order to get a rare card. Just a thought.

```
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

```
From -8646364918012617170
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4db9d1effc74d8e5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-31 06:17:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!
HIARAS.NRC.CA!EVERETT
From: EVERETT@HIARAS.NRC.CA
Newsgroups: rec.ham-radio
Subject: Request addition to Digest
Message-ID: <9006022236.AA00329@ucsd.edu>
Date: 31 May 90 13:17:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1
Posted: Thu May 31 14:17:00 1990

sub INFO-HAMS Jerry Everett VE1DE
```

```
From 7778117484594205727
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d365eab72677391
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 107f5a,907749717fef2275,start
X-Google-Attributes: gid107f5a,public
X-Google-ArrivalTime: 1990-05-31 06:21:44 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!zaphod.mps.ohio-state.edu!rpi!
uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: 6JB6s etc.
Message-ID: <122@ultrix.uhasun.hartford.edu>
Date: 31 May 90 13:21:44 GMT
References: <9005310602.AA10386@ucsd.edu>
Sender: news@uhasun.hartford.edu
Lines: 16
Posted: Thu May 31 14:21:44 1990

In article <9005310602.AA10386@ucsd.edu>, MCL9337@TAMVENUS.BITNET writes:
>
> through some torture.  Does anyone know of a good source for tubes of all
> kinds, especially the 6JB6s.  I need three and they must be matched.  Drake
> wants about $26 apiece (double their price a year ago!).
>
Well, RF Parts wants $93.75 for a matched set of 3 6JB6's, so I don't
think Drake's price is that unreasonable.  Face it, tubes are becoming
scarcer and scarcer, and when that happens prices rise.

Jon

--
Jon Bloom, KE3Z                               | American Radio Relay League
```

```
Internet: jbloom@uhasun.hartford.edu         |
Snail:    225 Main St., Newington, CT 06111  | "I have no opinions."
```

From -650275863879831682
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,697ea0ffe271e59e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-31 06:55:04 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!CRDEC7.APGEA.ARMY.MIL!wejones
From: wejones@CRDEC7.APGEA.ARMY.MIL ("William E. Jones III")
Newsgroups: rec.ham-radio
Subject: Weather fax question?
Message-ID: <9005310955.aa21400@crdec7.apgea.army.mil>
Date: 31 May 90 13:55:04 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 30
Posted: Thu May 31 14:55:04 1990

I have been trying for a couple of years to download readable wefax charts using the pakrat pk-232 fax option. Up until recently, my attempts have been limited to the Halifax transmissions, and although I was able to generate low quality maps, much of the lettering on the maps has been unreadable. I blamed this problem on noise, and the fact that my antenna is not ideal (50 foot wire making turns through tree limbs and window jams, etc). Recently, however, someone posted information on the re-transmission of GOES wefax on the C band satellite S3-channel 17, so I tried it (ie hooked up hf receiver to baseband out of the satellite receiver). This signal is a strong clean signal, so I figured there should be no problems. The maps I get from this signal are nice clean maps, however again, the lettering (ie temperatures, pressures, etc) seem to be too small to be readable. I am using the highest resolution available on the PK-232 (1900+), and have tried different aspect ratios, but it seems that the maps put out by this service are much more detailed than those from Halifax. ?What kind of resolution is necessary for these maps?! Has anyone (ie the original poster of this info) produced readable maps from this service? If so, what equipment is requirred? I assume that these maps must be the same as what comes off the GOES, and it was my understanding the the pk-232 fax capability was being used by people to get readable maps from this satellite. Am I doing something wrong, or am I just expecting too much from the equipment I have?

From -4789853347418793868

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,be83448f0c45cdcd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-31 07:30:00 PST
Path: gmdzi!unido!mcsun!uunet!attcan!ncrcan!aimed!genat!george
From: george@genat.UUCP (George Gorsline)
Newsgroups: rec.ham-radio
Subject: Re: Choosing calls.
Message-ID: <172@genat.UUCP>
Date: 31 May 90 14:30:00 GMT
References: <25.May.90.17:06:57.BST.#9290@UK.AC.NWL.IA>
Reply-To: george@genat.UUCP (George Gorsline)
Organization: Genamation Inc. (Toronto Ontario, Canada)
Lines: 21
Posted: Thu May 31 15:30:00 1990

While you're at it on nice calls to have; DX calls:

RG8U Beldon op QSL via C0AX
PH0OL
SP0OF
APR1L

and ligit (from some years ago)

ST0RK

There's a story about RG8U because recently a group in USSR tried to get
it issued for a contest club and were turned down. Best time to work
the above is any April 1st (UTC)

--
```
     George Gorsline    Director of Marketing   (416) 475-9434
     Genamation, Inc., 351 Steelcase Rd. W, Markham Ontario L3R 3W1
     uunet{!mnetor,!utzoo}!genat!george
     __... ...__  . ...  _.. _.._  _.. .   VE3FIU / K8HI
```

From 4173215438923483067
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,de3c93b39f8029e4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-31 07:34:11 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!ucsd!
ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com (DUBE TODD)
Newsgroups: rec.ham-radio
Subject: RE: QSL managers (continued)
Message-ID: <9005311455.AA15059@ti.com>
Date: 31 May 90 14:34:11 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet

Lines: 7
Posted: Thu May 31 15:34:11 1990

Just noticed that some of my message got lost somehow. Here's the rest: But I appreciate all that I get in return. In most cases, I probably won't ever see or hear these people again, and the cards are a lasting reminder ot our one contact with each other.

73, Dube N5PDK "Ask not what we can do for ourselves, but what can we
do for one another"

From -8768213558567757179
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9eb59604aa435655,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-31 08:35:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!apple!voder!pyramid!prls!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Bypass wire on a power amp module, help needed.
Keywords: coax, diodes, how to?
Message-ID: <97457@philabs.Philips.Com>
Date: 31 May 90 15:35:35 GMT
Sender: news@philabs.Philips.Com
Lines: 27
Posted: Thu May 31 16:35:35 1990

Last night, I tried to build a bypass wire on a power amp module I have. The module is a brick that amplifies and makes about 7W on the 440 band. Made by Motorola. I put it in a shielded box with heatsink. Works fine, except, of course, the HT driving it cannot 'hear' anything in receive mode. I had heard that a way to fix that is to measure out two lengths of coax, connect one length to the input of the module, the other to the output, and join the two lengths at the far end. Put two diodes from center to shield at the joint, one with cathode on center, the anode of the other on center. (back to back) The idea is to create shorted stubs during transmit (the high RF voltage turns the diodes on), and to give the received signals a path to travel around the module to the HT receiver. I thought that the lengths should be 1/4 wavelength (adjusted for propagation factor of the coax). I tried some HP high speed diodes, and also tried some IN914s.

Tried it, didn't work. Turn on the power to the module, then key up the HT (whose' power level is attenuated to a proper value that the module wants to see). Looking at the amp meter on the power supply, I see current draw go up. then key off the HT. current stays at the same level (indicating that the module is oscillating). Tried connecting the coax at a few different spots (like a few inches away from the module. still oscillates). One thought springs to mind, maybe oscillation happens because the input phase and output phase of the module are in phase, maybe if I insert a half wave length of coax between the module output and the spot where I connect the bypass to make it look like 180 phase might work (something to try tonight).

BTW, the module worked after I removed the bypass. So, I didn't blow it
up! :-)
Is this concept correct, or is there something missing, or wrong?
thanks in advance, 73 de WA2ISE

From -3753472444206253796
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9afa4277afb133b2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-31 09:11:04 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!hpcuhb!hpda!hpcupt1!hpindwa!stephenm
From: stephenm@hpindwa.HP.COM (Stephen Meredith)
Newsgroups: rec.ham-radio
Subject: Re: "Espionage Devices"
Message-ID: <38120002@hpindwa.HP.COM>
Date: 31 May 90 16:11:04 GMT
References: <30186@cup.portal.com>
Organization: Hewlett-Packard, Cupertino CA
Lines: 7
Posted: Thu May 31 17:11:04 1990

mn@atari.UUCP writes

>There's a monthly ham radio flea market here, lots of surplus electronic

Where and when is this flea market? I would like to check it out.

Steve

From 8488422134337210156
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,57aba39f95d76c81
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-31 09:12:43 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!infotel!smunews!ti-csl!osage!hoenig
From: hoenig@osage.csc.ti.com (Mike Hoenig)
Newsgroups: rec.ham-radio
Subject: Re: E-skip city!!
Message-ID: <125959@ti-csl.csc.ti.com>
Date: 31 May 90 16:12:43 GMT
References: <12048@shlump.nac.dec.com> <30698@ut-emx.UUCP>
Sender: news@ti-csl.csc.ti.com
Organization: TI Computer Science Center, Dallas
Lines: 33
Posted: Thu May 31 17:12:43 1990

In article <30698@ut-emx.UUCP> trey@ut-emx.UUCP (Trey Garlough) writes:
>In article <12048@shlump.nac.dec.com>, reisert@tallis.enet.dec.com (Jim Reisert) writes:

(deleted)

>| Here in the "Nawtheast" the band opened up on Sunday afternoon for the first
>| time. W1JR managed to work a VP9 and FY, but the W2's had a much better
>| day, working Cuba, Uruguay and Argentina. On Monday, LU2DEK finally broke
>| through the W2 curtain (about 55 here), as did a couple of CO2s (CB and KK).
>
>No joke. HF Conditions were so bad this weekend during the contest that
>I occasionally wandered over and worked some guys on 50 MHz. I managed
>to pick up HR1LW (Honduras), VP2VCW (Tortola) and some Cubans. You could

(more deleted)

>
>Trey Garlough

I also experienced some good sporadic-E effects (I've never seen it this good).

I watched about an hour of CKVR-TV Channel 3, Ontario, Canada, Tuesday evening. I have a Radio Slack fringe-area TV antenna just above roof-level at my house and the Canadian signal was interfering with the signals from Channels 2 and 4 here in the Metromess. The antenna was pointed SSW toward the D/FW antenna farm in Cedar Hill, approximately 50 miles away, as the grackle flies (we don't have many crows here...just those ugly grackles). All I've got to say about the remote station is this: You Canucks get a whole lot better quality TV than the drivel and recycled pablum we get spooned here in the States!

de N5LTL
Deep in the Heart of Texas...naaah! Too far north for that!
Mike

From 8674127400779212510
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f9532,61955363ba55d89c,start
X-Google-Attributes: gidf9532,public
X-Google-Thread: 10c9e3,61955363ba55d89c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,61955363ba55d89c,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-31 11:05:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!dali!milton!uw-beaver!fluke!swifty
From: swifty@tc.fluke.COM (Steve Swift)
Newsgroups: rec.ham-radio,misc.wanted,rec.radio.shortwave
Subject: Antenna wanted.
Message-ID: <1990May31.180502.8756@tc.fluke.COM>
Date: 31 May 90 18:05:02 GMT
Organization: John Fluke Mfg. Co., Inc., Everett, WA
Lines: 11
Xref: gmdzi rec.ham-radio:11906 misc.wanted:4457 rec.radio.shortwave:1373
Posted: Thu May 31 19:05:02 1990

Does anyone have an Hewlett-Packard 117A receiver antenna
cluttering up their storage shed? I would like to get
one. Please send e-mail if you have one.

Thanks.

```
--
            Steve Swift
    Domain: swifty@tc.fluke.COM
     Voice: (206) 347-6100, Ext. 5737 direct: 356-5737
      UUCP: {microsof,sun}!fluke!swifty
  U S mail: John Fluke Mfg. Co. / P.O. Box C9090 / MS 241F / Everett WA  98206
```

From 7654081679983200111
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4e1d4fde4248ecb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-31 11:17:28 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpcc01!hpcuhb!hpda!hpwala!hpnjld!bert
From: bert@hpnjld.HP.COM (Bert Bjorklund)
Newsgroups: rec.ham-radio
Subject: Re: learning code
Message-ID: <4140015@hpnjld.HP.COM>
Date: 31 May 90 18:17:28 GMT
References: <12984@mcdphx.phx.mcd.mot.com>
Organization: Hewlett Packard NJD, Rockaway NJ
Lines: 16
Posted: Thu May 31 19:17:28 1990

Have you tried MM? It is a package that I got off of a free BB that
my company maintains. I imagine that it is out there lots of places.
It is a good package with little overhead. It consists of a mm.exe
and mm.doc file. It is well enough written so you don't need the
mm.doc file.

```
/\__/\
   (Q__Q)              Bert Bjorklund NJD tn 586-5885
   =(oo)=              bert@hpnjld.hp.com
  VV GRRRR!        WA2GOX/3 mon 224.14 Mhz FM in Bangor PA.
  ^U         FAA A&P Tech.
   '         ARNG UH1M Crew Chief E-5
   `
   @
```

From -9146734902026258904
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f4a6dd58fd6203a7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-31 11:18:22 PST

Path: gmdzi!unido!mcsun!sunic!tut!santra!puukko.hut.fi!s36572u
From: s36572u@puukko.hut.fi (Karl R. Tigerstedt)
Newsgroups: rec.ham-radio
Subject: HELP! Kenwood TR-2400 handheld
Message-ID: <1990May31.181822.15894@santra.uucp>
Date: 31 May 90 18:18:22 GMT
Sender: news@santra.uucp (Cnews - USENET news system)
Reply-To: s36572u@puukko.hut.fi (Karl R. Tigerstedt)
Organization: Helsinki University of Technology, FINLAND
Lines: 15
Posted: Thu May 31 19:18:22 1990

I've got a kenwood tr-2400 handheld, but no manual. I desperately need to find out from the schematic what kind of transistor Q11 is.
It says on this transistor:

```
    603
    99E
```

, but so far it has been of no help.
So, help me, if you can! What kind of transistors could be used to replace this one??

"Life's a bitch - and then you marry one..."

```
----------------------
Karl R. Tigerstedt                            email : s36572u@puukko.hut.fi
Helsinki University of Technology            packet : OH2MBM@OH2TI.OH.EU
```

From -4761558744920023643
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c979a163ceca76c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-31 12:27:05 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpcc01!hpccc!wille
From: wille@hpccc.HP.COM (Ross Wille)
Newsgroups: rec.ham-radio
Subject: Re: Neat ham tricks...
Message-ID: <5540035@hpccc.HP.COM>
Date: 31 May 90 19:27:05 GMT
References: <9005262018.AA09589@ucbvax.Berkeley.EDU>
Organization: HP Corporate Computing Center
Lines: 40
Posted: Thu May 31 20:27:05 1990

I live in the San Francisco Bay Area and have a friend, Mark, who is stationed at Moffett Naval Air Station near where I live. I wanted to visit him one evening at his home on the base, so he arranged to have a guest pass waiting for me at the main gate.

Upon entering the base and driving around for a while in the dark I was totally lost. All the streets looked the same with block after block of standard base housing. "Good thing I'm a ham," I thought, "I'll just bring up the autopatch and give Mark a call." I parked my car at the side of the road and stuck my whip antenna out thru the sun roof. The repeater was in use, so I waited a minute or so for a chance to break in.

Just as I was starting to make my call I noticed that it was getting brighter. Several security vehicles had converged on me and all I could see were spotlights aimed in my direction. I started to get out of my car to explain the situation. Big mistake! I was ordered to FREEZE. I felt that it might be most appropriate to keep my hands on my head. They ordered me out of the car and made me hug a tree while they frisked me. (I guess they thought I was carrying an extra battery pack.) I could now see that several weapons were trained on me.

This was a military base, not your local police and I was starting to get a little nervous. They asked me a ton of questions (it's hard to think when guns are pointed at you) and I answered as best I could. I told them that I held a valid FCC license to use my radio, but that didn't seem to matter. They had obviously captured a spy!

Fortunately a base security officer is a friend of mine and I asked my custodians to please check me out thru him. They also contacted my friend Mark and got his address. I was "escorted" to his house by a convoy of security vehicles-- front and back. The funny thing was that the lead vehicle didn't know where to go either. We would drive into the wrong parking lot and have to turn around. One lot was so small that we all had to back out. After several wrong turns we finally arrived at Mark's house and they had him identify me as his friend and take responsibility for me.

I learned my lesson... Ham radio works! If you're ever in trouble just grab your rig. Even if you don't transmit, help will arrive!

Ross Wille - N6SJD

From 7970480046244535923
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,af3851e8e35519cf,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,af3851e8e35519cf,start
X-Google-Attributes: gid105d97,public
X-Google-Thread: 109c0d,af3851e8e35519cf,start
X-Google-Attributes: gid109c0d,public
X-Google-ArrivalTime: 1990-05-31 13:13:01 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!uwm.edu!cs.utexas.edu!usc!apple!rutgers!rochester!rit!cci632!ccicpg!conexch!root
From: root@conexch.UUCP (Larry Dighera)
Newsgroups: rec.ham-radio,misc.forsale,sci.electronics
Subject: Antique Radio Equipment For Sale
Message-ID: <41595@conexch.UUCP>
Date: 31 May 90 20:13:01 GMT
Reply-To: root@conexch.UUCP (Larry Dighera)
Organization: The Consultants' Exchange, Orange County, CA. (714) 842-6348

Lines: 63
Xref: gmdzi rec.ham-radio:11925 misc.forsale:1568 sci.electronics:6904
Posted: Thu May 31 21:13:01 1990

Thu May 31 12:03:12 PDT 1990

The following antique wireless radio equipment is offered for sale. This collection represents fine examples of some of the first commercially available electronic equipment available to the public. Please contact: Larry Dighera, P. O. Box 12100, Santa Ana, CA, 92712,(714) 842-2862 for details.

RADIOS:

1. Atwater Kent Model 10 "Radiodyne" breadboard. Rare model fully operational with 120V power supply, tubes, owner's manual, and Model M horn speaker. $1,000.00

2. Western Coil Model WC19 "Radiodyne" mint conditon and working. $200.00

3. R C A Radiola III and Balanced Amplifier with tubes. $200.00

4. Priess "Stright Eight" with loop antenna. $185.00

5. Grebe "Synchrophase" excelent condition. $195.00

6. Philco Model 71 "Cathedral". $285.00

7. Philco Model 90 "Cathedral". $495.00

8. Kennedy Model 20 Type 440 with tubes. $175.00

SPEAKERS:

1. Burns curved "petal" horn speaker, sounds great. $250.00

2. Western Electric Model 540-AW paper cone, works. 60.00

3. Bristol Baby Grand hard rubber horn speaker. $55.00

4. Atwater Kent Model "R", rare. $80.00

5. Sonochord paper cone with cloth front, mint, nice. $80.00

6. Music Master wooden horn speaker, nice. $130.00

7. Small Magnavox metal horn speaker, works. $65.00

MISC.

1. F. B. Myers RAC3 "Audion" triode tube new in box. $125.00

2. Tubes: '99's, 01A's,... $10.00 - $25.00

3. Rider Manual I-V Abridged $35.00

4. Rider Manual II $30.00

5. Books ... Fine historical colletcion. Offers accepted.

--
USPS: The Consultants' Exchange, PO Box 12100, Santa Ana, CA 92712
TELE: (714) 842-6348: BBS (N81); (714) 842-5851: Xenix guest account (E71)
UUCP: conexch Any ACU 2400 17148425851 ogin:-""-ogin:-""-ogin: nuucp
UUCP: ...!uunet!spsd!conexch!root || ...!ccicpg!conexch!root

From -262912706483507839
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,57aba39f95d76c81
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-31 14:57:21 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!myrias!aunro!atha!lyndon
From: lyndon@cs.AthabascaU.CA (Lyndon Nerenberg)
Newsgroups: rec.ham-radio
Subject: Re: E-skip city!!
Summary: It's everywhere!
Message-ID: <1919@aurora.cs.athabascau.ca>
Date: 31 May 90 21:57:21 GMT
References: <12048@shlump.nac.dec.com>
Organization: Athabasca University
Lines: 21
Posted: Thu May 31 22:57:21 1990

>>Well, two unusual occurances in San Diego yesterday--it rained
>>almost an inch (probably hasn't rained in Southern Calif. on
>>Memorial Day for 50 years) AND the TV was hopping with E-skip all
>>day long! The 6-meter guys were going nutz with working rare grid
>>squares, too.

This one made it up to central VE6 as well. We began to get suspicious after hearing FM BCST stations from San Francisco, Dallas, and somewhere in the southeastern US all fight over the same frequency.

I managed to dash home and fire up the TS-680, but it wasn't too happy to load up my HF dipole :-(I managed to pick up 5 or 6 W6's on CW, however we had a *very* high noise level. Oh well ...

The openings occured on Monday and Tuesday between 1400 and 1630 MDT.
Nothing's been heard here since then.
--
Lyndon Nerenberg VE6BBM / Computing Services / Athabasca University
{alberta,cbmvax,mips}!atha!lyndon || lyndon@cs.athabascau.ca
Sendmail has been described as the largest program yet created

that does absolutely nothing. -- Mr. Protocol

From -3035347293177114878
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b55c01c1490b1df2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-31 15:42:24 PST
Path: gmdzi!unido!mcsun!uunet!cadnetix.COM!cadnetix!rusty
From: rusty@cadnetix.COM (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: EBS tones
Message-ID: <12553@cadnetix.COM>
Date: 31 May 90 22:42:24 GMT
References: <9005262017.AA09500@ucbvax.Berkeley.EDU>
Sender: news@cadnetix.COM
Reply-To: rusty@cadnetix.COM (Rusty Carruth)
Organization: Cadnetix Corp., Boulder, CO
Lines: 27
Posted: Thu May 31 23:42:24 1990

In article <9005262017.AA09500@ucbvax.Berkeley.EDU> MEHARP01@ULKYVM.BITNET (Michael Harpe) writes:
>
>Can someone out there tell what the composition of an EBS alert tone is?
>

A solid tone of (I forgot the frequency) for 30 seconds. My understanding is that 'most' of the ebs recievers trigger on 15 seconds of continuous tone.

Sorry that I don't know the exact freq. Seems to me that I had to know it when I took the 3rd class test years ago, see if you can find an old 3rd class Radiotelephone license study manual (you don't need a 3rd class license anymore, so there will be no new manuals :-), they should have the freqs there.

BTW, it used to be 15 seconds (or more or less, I forget) of no carrier, followed by 15 seconds of silent carrier, followed by 30 seconds of tone. (I'm pretty fuzzy on this, it has been a LONG time) It was pretty exciting to be sitting there working the station and have that doggone EBS monitor go off on you. Just about enough to send you through the ceiling, as you got the last 15 seconds of alert tone at FULL VOLUME. Now they only do the 30 seconds of tone.

(I ran an AM station for a few months while in Jr. college, years ago...)

```
---Join the usenet un-net, 28.410 and/or 28.390(+-) 1700Z to 1900Z saturdays!
Rusty Carruth.                  Radio: N7IKQ                 ^^ or later :-)
DOMAIN: rusty@cadnetix.com      UUCP:{uunet,boulder}!cadnetix!rusty
home: POB. 461, Lafayette CO 80026
```

From -666392413184226786
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,f6a7f72c688bfd50,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-31 15:51:36 PST
Path: gmdzi!unido!mcsun!uunet!cadnetix.COM!cadnetix!rusty
From: rusty@cadnetix.COM (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: the un-net
Message-ID: <12554@cadnetix.COM>
Date: 31 May 90 22:51:36 GMT
Sender: news@cadnetix.COM
Reply-To: rusty@cadnetix.COM (Rusty Carruth)
Organization: Cadnetix Corp., Boulder, CO
Lines: 17
Posted: Thu May 31 23:51:36 1990

In article <12549@cadnetix.COM> rusty@cadnetix.COM (Rusty Carruth) (that's me!) writes:

>---Join the usenet un-net, 28.410 and/or 28.390(+-) 1700Z to 1900Z saturdays!

Well, due to our lightning season fast approaching, I am going to be removing my 10m ground plane RSN. Also, there are quite a few house projects which must be done VERY RSN, so it looks like I will not be around during the un-net for a while.

However, lets not let that stop others from getting on 10 before it goes totally dead!

---Join the usenet un-net, 28.410 and/or 28.390(+-) 1700Z to 1900Z saturdays!
Rusty Carruth.   Radio: N7IKQ   ^^ or later :-)
DOMAIN: rusty@cadnetix.com   UUCP:{uunet,boulder}!cadnetix!rusty
home: POB. 461, Lafayette CO 80026

From -8044875567740774289
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0d76351c2030dcb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-31 17:21:25 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!wuarchive!udel!mvac23!thomas
From: thomas@mvac23.UUCP (Thomas Lapp)
Newsgroups: rec.ham-radio
Subject: Info on antenna wanted
Message-ID: <256.UUL1.3#5131@mvac23.UUCP>
Date: 1 Jun 90 00:21:25 GMT
Sender: usenet@udel.EDU
Organization: MultiVac23, Newark, DE, U.S.A.
Lines: 37
Posted: Fri Jun 1 01:21:25 1990

Here is a message that one of the folks at work wondered about. He does

not have net.access, so please send responses back to the group or send
them to me, and I will see that he gets the response.

-tom

================= begin forwarded message =================

```
 From:   NAME: RICHARD L PHILLIPS
         FUNC: PPD
         TEL: 695-4302
 Date:   30-May-1990
 Posted-date: 30-May-1990
 Precedence: 1
 Subject: R5 CUSHCRAFT VERTICAL ANTENNA
```

HAS ANYONE HAVE ANY INFORMATION ON THE CUSHCRAFT R5 VERTICAL,

I'M LOOKING FOR INFO TO FIND OUT IF IT IS AS GOOD AS THE STD.

1/4 WAVE TRAP TYPE WHICH USES A GROUND PLANE AND IF ANY PROBLEMS

HAVE ARISED AFTER USING IT FOR A SHORT TIME.

Thanks,
- tom

```
--
internet     : mvac23!thomas@udel.edu  or  thomas%mvac23@udel.edu
uucp         : {ucbvax,mcvax,psuvax1,uunet}!udel!mvac23!thomas
Europe Bitnet: THOMAS1@GRATHUN1         Location: Newark, DE, USA
Quote   : The only way to win thermonuclear war is not to play.
```

--
The UUCP Mailer

```
From -3228544525849757556
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c979a163ceca76c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-31 23:18:31 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!bloom-beacon!cambridge.apple.com!
emory!kd4nc!rbdc!andy
From: andy@rbdc (Andy Pitts)
Newsgroups: rec.ham-radio
Subject: Re: Neat ham tricks...
Message-ID: <1990Jun1.061831.15233@rbdc>
Date: 1 Jun 90 06:18:31 GMT
References: <9005262018.AA09589@ucbvax.Berkeley.EDU> <345@wyn386.mi.org>
<8236@jpl-devvax.JPL.NASA.GOV>
Organization: Red Barn Data Center Public Access Unix, Winston-Salem, NC.
```

Lines: 8
Posted: Fri Jun 1 07:18:31 1990

Did you know that radar detectors of the mid 70's could be faked out by 220 fm? Well...while driving down the interstate, wait for a truck to pass and call cq (or something) and the truck slows down *REAL* fast and pulls back into the right lane. You would be amazed how many trucks you can get all lined up behind you on the way to ham fests.

--
Andy Pitts andy@rbdc.UUCP : "God is an overwhelming responsibility"
...!emory!kd4nc!rbdc!andy :   --Jethro Tull--

From -269202382607781194
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c85003c1dff2b0cd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 02:19:57 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!mcgill-vision!snorkelwacker!usc!ucsd!ucbvax!SC.INTEL.COM!RHAREL%FAB8
From: RHAREL%FAB8@SC.INTEL.COM ("RICHARD HAREL ")
Newsgroups: rec.ham-radio
Subject: Neat Ham stories...
Message-ID: <9005311212.AA29304@ucsd.edu>
Date: 31 May 90 12:10:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 31
Posted: Thu May 31 13:10:00 1990

To begin with, I must say that carrying a Motorola MX-360 - (converted to the ham bands) has it's advantages and they're not only technical. It happens to be the "Law Enforcement" industry standard and just having one on you leaves all (including Hams !) baffled as to who you are and whom you work for.
Numerous times in New York City - I've had Patrol Cars pull up to me, assuming I was a street crime unit and asked if I needed any assistance ! (This will often happen in cities too large for government agencies to know exactly who's who). Carrying other HT's such as the small Japanese go-anywhere-do-everything type don't seem to carry as much clout since they don't have much resemblance to the real thing from the standpoint of one who uses an MX3xx 8 TO 10 hours a day.
I carry a two fold wallet with my driver's license on one side and my FCC license on the other. I added a small photo of myself to the top right corner of the FCC license. Since the photo is not actually attached to the license but rather between the license and the outer plastic - I have legally not tampered with the license. The small alteration leaves the wallet looking very official with the FCC Logo standing out very nicely. The few times that I've been pulled over for traffic violations I've handed over the whole wallet when asked to show my driver's license. The fact that I'm immediately called "Sir" in every instance and have never been ticketed might say something. The radio antennas certainly give it more credibility. They don't call Feds "Untouchables" for nothing. - Assumption - is the key word here.
The last cop that stopped me in Brooklyn at 4 AM - asked me if I was aware

that I had just made an illegal U-turn ? As I handed him my driver's license
he caught a glimpse of the radio equipment and clearly heard the "Modat"
signal transmissions (we've all heard that "Brroop- Brroop" kind of
sound before somewhere...) coming from the car.
"Excuse me - why the radio ?" he asked.
"I'm monitoring Narrow-Band FM spurious emissions on the VHF spectrum officer"
he looked at the wallet again and then confided in me by admitting that he
never notices that "No U-turn" sign either when he's off duty.

From -9198526363946243636
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,35d9d3bd0c040c73,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 07:17:36 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!zaphod.mps.ohio-state.edu!
tut.cis.ohio-state.edu!pt.cs.cmu.edu!andrew.cmu.edu!hs0u+
From: hs0u+@andrew.cmu.edu (Harry Stumpf)
Newsgroups: rec.ham-radio
Subject: Need info on SYT corporation
Message-ID: <UaNHGoC00WB_IJ91EY@andrew.cmu.edu>
Date: 31 May 90 15:13:56 GMT
Organization: Physics, Carnegie Mellon, Pittsburgh, PA
Lines: 6
Posted: Thu May 31 16:13:56 1990

I have an SYT TeleConnect 870 simplex autopatch, and would like to add
an option board to it. Unfortunately, I cannot locate SYT corporation,
formerly of El Paso, Texas. If anyone knows what happened to SYT, please
let me know. Thanks and 73.

-Harry NR3L hs0u@andrew.cmu.edu -

From 4667765333373567994
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,82e6e85309ec0564,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 07:32:59 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!PICA.ARMY.MIL!
batchler
From: batchler@PICA.ARMY.MIL ("Laing T. Batchler", FSAC)
Newsgroups: rec.ham-radio
Subject: weird calls
Message-ID: <9005311415.aa22928@FSAC1.PICA.ARMY.MIL>
Date: 31 May 90 18:15:24 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 2
Posted: Thu May 31 19:15:24 1990

what about the poor soul with K0TEX
kb3ts

From 5915337771915787874
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6901dba5df60bc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 07:58:19 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!uwm.edu!ogicse!decwrl!
shlump.nac.dec.com!carafe.enet.dec.com!goldstein
From: goldstein@carafe.enet.dec.com (Fred R. Goldstein)
Newsgroups: rec.ham-radio
Subject: Re: Calls we'd like to hear (was re:funky calls...)
Message-ID: <12107@shlump.nac.dec.com>
Date: 31 May 90 19:38:16 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 17
Posted: Thu May 31 20:38:16 1990

In article <14035@ucsd.Edu>, brian@ucsd.Edu (Brian Kantor) writes...
>In article <2078@unccvax.UUCP> cs00jmc@unccvax.UUCP (John Covington WN4BBJ)
writes:
>>In article <14026@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>>>That's "RG8AU, stranded on polyfoam island. Handle here is Braid."
>>I thought it was Belden.
>Belden is his last name, and he lives at 52 Ohm Drive, Coaxial, CA, 82140

But before Africa was decolonialized, he was 5U4GB in the Belden Congo.

A friend of mine (a printer by trade, and a big DXer) made a faux-QSL
for something like 5Y3GT, in the Emirate of Tubobia. Now that's rare
DX!

```
Fred R. Goldstein   goldstein@carafe.enet.dec.com
k1io             or goldstein@delni.enet.dec.com
                    voice:  +1 508 486 7388
```

From 6717855913453627642
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f1e5aa1d4fb846da,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 08:56:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!WIDENER.BITNET!DXANDY
From: DXANDY@WIDENER.BITNET
Newsgroups: rec.ham-radio
Subject: 2m/70cm Repeaters
Message-ID: <5A06010A2E14019A-MTABWIDENER*DXANDY@widener>
Date: 1 Jun 90 15:56:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14

Posted: Fri Jun 1 16:56:00 1990

Hi All!

Since my new Tech license allows me full privileges on the vhf bands I have decided to buy an HT to play with. I have been reading with interest all the recommendations for the various HTs available, but so far I have not seen anyone mention Alinco's equipment. Their stuff seems competevely priced (plus their HTs look good :-)). Is it any good?

Last night I was listening on my receiver to someone on 2m who said he was working through two repeaters. Maybe I misheard, but if I didn't, does this mean that the output frequency of one repeater is on the input of another? Would this mean that every time the first repeater was used, the second would also be operated?

Andy Greenshields [dxandy@widener.BITNET]

From -7434362863276101658
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e28ee45d513f9149
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 09:25:09 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!van-bc!ubc-cs!alberta!ccu!umrose05
From: umrose05@ccu.umanitoba.ca (Dave Rose)
Newsgroups: rec.ham-radio
Subject: Re: Request for mods for Pro-38 handheld scanner
Message-ID: <1990May31.192642.2078@ccu.umanitoba.ca>
Date: 31 May 90 19:26:42 GMT
References: <11034@pixar.UUCP>
Organization: University of Manitoba, Winnipeg, Canada
Lines: 17
Posted: Thu May 31 20:26:42 1990

In article <11034@pixar.UUCP> whorfin@pixar.uucp (Entropy is the essence of free will.) writes:
>If anyone knows of mods to the Radio Shack Pro-38, would you please mail them
>to me? This might even be of general interest, since I could not find them
>on the hamster archive. I'm particularly interested in adding 800 Mhz coverage,
>adding 66-88 Mhz, and expanding the channel memory. Responses which say
>``you can't do that'' are also welcome.
>

I would like to get a copy of this as well, please "followup" all messages on this newsgroup.

Dave (umrose05@ccu.umanitoba.ca)

```
--
Dave Rose                  : Local (UnixWS) - UMRose05@CCU.UManitoba.CA
P.O. Box 403               : Local (Amdahl) - #Rose05@CCM.UManitoba.CA
Winnipeg, Manitoba, Canada: UUCP Node #005 - drose@trash.UUCP
R2M-5H3                    :
```

From -5510557039639573470
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8316fbd0ec91f004
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 11:29:39 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!sdd.hp.com!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: Air Force One (was Re: Who's on 407.75MHz?)
Message-ID: <18230021@hpfcdj.HP.COM>
Date: 1 Jun 90 18:29:39 GMT
References: <3342@radio.oakhill.UUCP>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 13
Posted: Fri Jun 1 19:29:39 1990

>Air Force 1 is any aircraft carryin the president ... thus the helicopter
>for that short trip was AF-1 ....

I don't think so; it's true that there are (currently) several aircraft, converted 707s, which can be Air Force One when the President is aboard. However, I seem to recall that the helicopters used by the President are NOT Air Force craft, and are called either Marine One or Army One (I don't recall which service operates the 'copters) when the Chief is aboard.

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
myers%hpfcla@hplabs.hp.com               |  sentient life-form on this planet.
```

From -5211031958856956038
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49027d545a4a46d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 11:52:12 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: Cable (As in fire breathing monster cable)
Message-ID: <18230022@hpfcdj.HP.COM>
Date: 1 Jun 90 18:52:12 GMT
References: <2906@crash.cts.com>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 26
Posted: Fri Jun 1 19:52:12 1990

I would think that you'd have no problems using this cable IF you can manage to obtain and use the necessary connectors. By the way, you should be able to figure out the characteristic impedance using the following formula:

$$Z = 138*(1/SQRT(K))*\log_{10}(D/d)$$

where D is the inner diameter of the outer conductor (shield), d is the outer diameter of the inner conductor, and K is the dielectric constant of the insulator (foam). Typical numbers here are -

Foam polystyrene	1.02-1.24
Teflon	2.1
Polystyrene	2.45-4.0
Polypropylene	3.5-3.6

Note that the dielectric constant of foamed material is *less* than that of the "unfoamed" version.

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
myers%hpfcla@hplabs.hp.com               |  sentient life-form on this planet.
```

From -2928248996428099257
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c979a163ceca76c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 12:00:27 PST
Path: gmdzi!unido!mcsun!uunet!yenta!dt
From: dt@yenta.alb.nm.us (David B. Thomas)
Newsgroups: rec.ham-radio
Subject: Re: Neat ham tricks...
Message-ID: <1375@yenta.alb.nm.us>
Date: 1 Jun 90 07:26:20 GMT
References: <9005262018.AA09589@ucbvax.Berkeley.EDU> <5540035@hpccc.HP.COM>
Organization: yenta unix pc, Rio Rancho, NM
Lines: 7
Posted: Fri Jun 1 08:26:20 1990

I used to have a cb in my car, and it came over the intercom at a local burger joint perfectly. My 'neat ham trick' was to go and order my burger, get my order number ("We'll call number 21 when that's ready") then go back to the CB and transmit "Number 20, your order is ready", and watch the fun!

David N5IZU Thomas
dt@yenta.alb.nm.us

From 1165114307243986342
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b58db6526c181660

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 12:01:40 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!rutgers!rochester!rit!cci632!ccird1!dls
From: dls@ccird1.uucp (Darren Swartzendruber)
Newsgroups: rec.ham-radio
Subject: Re: 2M antenna ideas for Dodge caravan wanted
Message-ID: <DLS.90Jun1073126@ccird1.uucp>
Date: 1 Jun 90 11:31:26 GMT
References: <577@mtune.ATT.COM>
Sender: dls@cci632.UUCP
Organization: Computer Consoles Inc. an STC Company, Rochester, NY
Lines: 32
Posted: Fri Jun 1 12:31:26 1990
In-reply-to: jak@mtune.ATT.COM's message of 22 May 90 16:33:49 GMT

In article <577@mtune.ATT.COM> jak@mtune.ATT.COM (Jim Kutsch) writes:

> I have a Dodge caravan and a garage with a fairly low door.
> I want to install a permanent 2M antenna on the Caravan.
> The mag mount gets knocked over and scratches the roof.
> Does anyone have any success stories or recommendations?
>
> Thanks in advance.
> 73, jim ky2d

This past Memorial Day, I was coming home on the NYS Thruway and was talking to N2ERX. John said he was using a Un-tanna. It was only 5" tall (or short!). It had a diameter of about 7". He uses it on the trunk of his new car; it has a mag mount and a trunk lip mount.

He also said that it rates as well as, and sometimes better, than the Larsen he also has (I cannot remember if he said a 1/4 wave or a 5/8th wave Larson).

He said he picked it up at one of the areas hamfests. But he did say that it was made in Buffalo, NY. Maybe someone else here has more info.

--

```
Darren Swartzendruber       CCCCCCCCCCC CCCCCCCCCCC IIIIIIIII
   KB2JJO/KT                CC       CC CC       CC II      II  COMPUTER
                            CC  CCC  CC CC  CCC  CC IIII  IIII  CONSOLES,
cci632!dls@cs.rochester.edu CC  CCCCCCC CC  CCCCCCC IIII  IIII  INCORPORATED
rochester!rit!cci632!dls    CC  CCC  CC CC  CCC  CC IIII  IIII
uunet!ccicpg!cci632!dls     CC       CC CC       CC II      II  An STC Company
uunet!rlgvax!cci632!dls     CCCCCCCCCCC CCCCCCCCCCC IIIIIIIII
```

From -4807700524871290935
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,be6623b2cb50f91c,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 12:14:58 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!think!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!PICA.ARMY.MIL!carrigan
From: carrigan@PICA.ARMY.MIL ("Charles W. Carrigan Jr.", PBMA)
Newsgroups: rec.ham-radio
Subject: Weird Calls
Message-ID: <9006010854.aa07484@COR3.PICA.ARMY.MIL>
Date: 1 Jun 90 12:54:15 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4
Posted: Fri Jun 1 13:54:15 1990

Talking of weird calls; I remember reading in QST that during the election
of 1978 there were reports of station N1XON working F0RD! Oh well....

Chuck, W2RK

From 7318766431442060892
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8316fbd0ec91f004
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8316fbd0ec91f004
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-06-01 13:12:55 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!uwm.edu!wuarchive!texbell!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Air Force One (was Re: Who's on 407.75MHz?)
Keywords: Mystery Frequency
Message-ID: <8SF-PF:@splut.conmicro.com>
Date: 1 Jun 90 12:10:12 GMT
References: <3342@radio.oakhill.UUCP> <4ab5c461.20b6d@apollo.HP.COM> <2239@speedy.mcnc.org>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 23
Xref: gmdzi rec.ham-radio:11879 rec.radio.shortwave:1362
Posted: Fri Jun 1 13:10:12 1990

In article <2239@speedy.mcnc.org> spl@duck.ncsc.org (Steve Lamont) writes:
>In article <4ab5c461.20b6d@apollo.HP.COM> hays@apollo.HP.COM (John Hays) writes:
>>Air Force 1 is any aircraft carryin the president ... thus the helicopter
>>for that short trip was AF-1 ....
>I don't think that's correct. I believe the Presidential helicopter is flown
>by the Marine Corps and is called Marine 1.
>I tried looking this up in a couple of references that I had handy but
>couldn't find anything either confirming or negating. Does anyone have a
>better library?

This one came up on rec.aviation a while back.

Whenever the President is aboard a military aircraft, that aircraft uses the callsign [service] One. The 707 is operated by the Air Force, and that helicopter is operated by the Marines; if he was to use a Navy C-2 Greyhound (AKA COD) to get to a carrier at sea, that would be Navy One, etcetera.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
attctc, RIP. It was nice knowing ya +---------------------------------------
 Teaching a Yankee to be polite is a lot like teaching a Texan to be humble.
```

```
From -1393177055247508708
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8316fbd0ec91f004
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 13:15:48 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!rutgers!mcnc!nagshead!mjt
From: mjt@nagshead.ncsc.org (Mike Tighe)
Newsgroups: rec.ham-radio
Subject: Re: Air Force One (was Re: Who's on 407.75MHz?)
Message-ID: <2244@speedy.mcnc.org>
Date: 1 Jun 90 13:56:04 GMT
References: <1640@ryn.esg.dec.com>
Sender: daemon@mcnc.org
Organization: North Carolina Supercomputing Center
Lines: 26
Posted: Fri Jun  1 14:56:04 1990
```

In article <2239@speedy.mcnc.org>, spl@duck.ncsc.org (Steve Lamont) writes...

```
>In article <4ab5c461.20b6d@apollo.HP.COM> hays@apollo.HP.COM (John Hays) writes:
>>Air Force 1 is any aircraft carryin the president ... thus the helicopter
>>for that short trip was AF-1 ....
>
>I don't think that's correct.  I believe the Presidential helicopter is flown
>by the Marine Corps and is called Marine 1.
>
>I tried looking this up in a couple of references that I had handy but
>couldn't find anything either confirming or negating.  Does anyone have a
>better library?
```

Experience. From the ATC point of view, the helicopter is called Marine-1, the plane is called AF-1. However the crew and support staff usually referred to the plane as 26000 (2-6-thousand) or 27000. These numbers refer to the tail numbers of the planes. One is the real plane, the other is the back up (This info is two years old).

Interesting sidenote: When President Nixon resigned from office, he left the DC area aboard AF-1 before his resignation took effect (1200 08-Aug, I think). However, enroute, his resignation took effect and he was no longer

the President. Therefore, when he landed his plane was referred to as
AF-xxxxx, not AF-1.
--
Michael Tighe, mjt@ncsc.org
(919)-248-1157

From 7586944136006782864
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c43d3abf4f8a5d7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 14:07:10 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!uwm.edu!lll-winken!ames!pasteur!helios.ee.lbl.gov!nosc!logicon.com!trantor.harris-atd.com!x102c!gbastin
From: gbastin@x102c.harris-atd.com (Gary Bastin 60293)
Newsgroups: rec.ham-radio
Subject: Re: Shortest Ham Call ?
Message-ID: <3758@trantor.harris-atd.com>
Date: 1 Jun 90 14:34:57 GMT
References: <30500560@ux1.cso.uiuc.edu> <2079@unccvax.UUCP>
Sender: news@trantor.harris-atd.com
Reply-To: gbastin@x102c.ess.harris.com (Gary Bastin 60293)
Organization: Harris Corporation GSS, Melbourne, Florida
Lines: 26
Posted: Fri Jun 1 15:34:57 1990
X-Local-Date: 1 Jun 90 07:34:57 PDT

In article <2079@unccvax.UUCP> cs00jmc@unccvax.UUCP (John Covington WN4BBJ) writes:
>
>Back in the late 70s the call N6V was issued as a special event call. I
>think they were broadcasting SSTV pictures from Pioneer or Voyager spacecraft.
>The main reason I remember it is that they were using some unusual feedline
>for some of their antennas (nitrogen-filled hardline or something, it's been
>too long!).
>

I worked N6V, and later received the QSL card. It was for Nasa6Viking, the 6 being ostensibly for 1976. Nice QSL, folded out, and showed the descent to Mars.

My all-time favorite though, was NU3DE. It was a nudist colony in Crownsville Md. And, yes, I did get the QSL from this one too! The operator was Phil, and the front features a family around the ham rig. This one was from the late 70's also. The FCC was more amenable to special event stations back then.

```
Gary Bastin              /-/-/      Internet: gbastin@x102c.ess.harris.com
Mail Stop 102-4826         |        phone: (407) 729-3045
```

```
Harris Corporation GASD    |        packet: WB4YAF @ N4JLR.FL.USA.NA
P.O.B. 94000, Melbourne FL 32902    Speaking from, but not for, Harris!
```

From 1243352707414024775
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8316fbd0ec91f004
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 14:09:05 PST
Path: gmdzi!unido!mcsun!uunet!deimos.cis.ksu.edu!maverick.ksu.ksu.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!richardn
From: richardn@sdd.hp.com (Richard Natali)
Newsgroups: rec.ham-radio
Subject: Re: Air Force One (was Re: Who's on 407.75MHz?)
Message-ID: <1990Jun1.164117.2877@sdd.hp.com>
Date: 1 Jun 90 16:41:17 GMT
References: <2239@speedy.mcnc.org> <5878@bgsuvax.UUCP>
Sender: news@sdd.hp.com (Usenet News)
Organization: Hewlett-Packard, San Diego Division
Lines: 10
Posted: Fri Jun 1 17:41:17 1990

Sony SW-7600 vs. ICF-SW1S

Does anyone know the difference between these two radios?
I have seen a picture of the SW1 and it looks like the 7600.
The specs say that the SW1S is not as good as the 2003.
Is the 7600 as good as the 2003 (sensitivity, etc.)?
Any ideas?
I'm not sure what to buy...

From -1494020367593365027
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f7344,1e65f1a0d7bd0b2d
X-Google-Attributes: gidf7344,public
X-Google-Thread: 10c9e3,d365eab72677391
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 14:13:19 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp!deimos.cis.ksu.edu!rutgers!ucsd!helios.ee.lbl.gov!nosc!crash!guhsd000
From: guhsd000@crash.cts.com (Paula Ferris)
Newsgroups: rec.ham-radio
Subject: Re: 6JB6s etc.
Message-ID: <2944@crash.cts.com>
Date: 1 Jun 90 08:19:54 GMT
References: <9005310602.AA10386@ucsd.edu>
Organization: HALE Telecommunications, San Diego
Lines: 20
Posted: Fri Jun 1 09:19:54 1990
X-Local-Date: 1 Jun 90 01:19:54 PDT

This is of general interest to most radio radio oriented hobbies so
I made it a public response.

RF PARTS
1320 #16 Grand Ave.
San Marcos, CA 92069
(619) 744-0728

They carry mainly RF Transistors, have a good slection of common RF tubes, and can usally special order anything they don't have sitting on the shelf.

They carry tubes from the small 6X4 to the monster amp eater 4CX5000A.

Some books, related equipment and parts. They are part of what is left of Palomar, which basically has split into two divisions, the RF Parts, and a local retail store mainly dealing in CB/10 METER (although they carry other bands, this is what they seem to be geared for...)

I'm not affiliated with them, or anything along those lines, but they have kept me as a satisfied customer so far.

From 1111949770286991419
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f01e4d9ed760932,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 14:57:59 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!TOPS20.RADC.AF.MIL!POPYACK
From: POPYACK@TOPS20.RADC.AF.MIL
Newsgroups: rec.ham-radio
Subject: TS-140S TX All Freq Mod
Message-ID: <12594388639.10.POPYACK@TOPS20.RADC.AF.MIL>
Date: 1 Jun 90 18:43:04 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Fri Jun 1 19:43:04 1990

To enable the TS-140S ofor transmitting on all bands:

1. Disconnect radio from power supply and antenna
2. Remove top and Bottom covers
3. Locate the control board (I believe it is on the bottom --NOT BEHIND TH THE KNOBS LIKE THE 440!!)
4. Cut D31 on the control board
5. Reassemble the radio
6. Reset the radio by holding the A=B switch while powering up the rig.

Disclaimer: This Modification is for those who need it to operate MARS only.

73 wf2v

From 8410468350532033518
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5a4174b443a7f1c0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 14:58:49 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!RIA-EMH2.ARMY.MIL!jpedley
From: jpedley@RIA-EMH2.ARMY.MIL ("John Pedley, AMSMC-DSP-L")
Newsgroups: rec.ham-radio
Subject: Battery Packs
Message-ID: <9006011721.AA10744@rutgers.edu>
Date: 1 Jun 90 17:22:10 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Fri Jun 1 18:22:10 1990

Does anyone have any good ideas on how to open up some of these sealed battery packs that are used on late model hand helds? Specifically I am trying to open and repair a Yaesu FNB-12 battery pack.

Thanks,

John, N0IPO

From 9033836828610953181
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c43d3abf4f8a5d7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 14:58:52 PST
Path: gmdzi!unido!mcsun!uunet!samsung!think!husc6!m2c!umvlsi!umaecs!lkay
From: lkay@ecs.umass.edu (Leonard Kay, KB2R)
Newsgroups: rec.ham-radio
Subject: Calls without suffixes (was Re: Shortest Ham Call ?)
Message-ID: <9972.26664056@ecs.umass.edu>
Date: 1 Jun 90 10:15:50 GMT
References: <30500560@ux1.cso.uiuc.edu> <25016@usc.edu>
Lines: 14
Posted: Fri Jun 1 11:15:50 1990

In article <25016@usc.edu>, kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
>
> Also, I think you might have overlooked, K0-K9, N0-N9, W0-W9, and
> AA0-AL9.

The only `prefix-only' call I'm aware of is, of course, King Hussein, JY1. Are there any others? His wife is JY1?? and King Juan Carlos of Spain has his own prefix and his initials as his suffix, EA0JC, but I think he's the only one sans suffix.

```
--------------------------------------------------------------------------
Leonard Kay, KB2R  UMass/Amherst      |  "It's always darkest just
(413)545-4762      lkay@ecs.umass.edu |    before it's totally black"
--------------------------------------------------------------------------
```

From 6036440239420757206
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c85003c1dff2b0cd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 15:34:42 PST
Path: gmdzi!unido!mcsun!uunet!seismo!ukma!rex!samsung!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!utzoo!mnetor!ghp!jim
From: jim@ghp.UUCP (Jim Stewart)
Newsgroups: rec.ham-radio
Subject: Re: Neat Ham stories...
Message-ID: <605@ghp.UUCP>
Date: 1 Jun 90 13:01:24 GMT
References: <9005311212.AA29304@ucsd.edu>
Reply-To: jim@ghp.UUCP (Jim Stewart)
Organization: Gellman Hayward & Partners Ltd.
Lines: 16
Posted: Fri Jun 1 14:01:24 1990

RHAREL%FAB8@SC.INTEL.COM ("RICHARD HAREL ") writes:

>he caught a glimpse of the radio equipment and clearly heard the "Modat"
>signal transmissions (we've all heard that "Brroop- Brroop" kind of
>sound before somewhere...) coming from the car.

What information (if any) is in this transmission? Also, some
local people claim that if you give them some $$, they will make
a modification to your scanner to squelch out that signal--what
do they actually do to the radio?

tnx
--
Jim Stewart, VE3SRJ
UUCP: jim%ghp@mnetor.uucp
BELL: (416)862-0430

From 3365686387608995194
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e39df4bbfd211ae1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 16:16:44 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: VHF Es on May31/June1
Message-ID: <9006011846.AA17602@cmr.ncsl.nist.gov>

Date: 1 Jun 90 18:46:22 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
     formerly National Bureau of Standards
Lines: 12
Posted: Fri Jun 1 19:46:22 1990

Last evening, May 31 U.S. time, there was a good 6- and 2-meter Es opening.
The 6-meter opening didn't have anything RARE from here in W3, mostly 5s.
The big event was an hour of loud 2-meter sigs from Texas and Oklahoma. I managed to p;ick up a few new grids.
An attempt to DX on the FM BC band failed as usual. The 50+ local stations don't allow much chance to hear DX.

What did you hear?
Bob W3OTC
(The June 1 refers to the fact that the 2-meter opening started about 0005 UTC June 1.)

From -3806327683827816975
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8316fbd0ec91f004
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8316fbd0ec91f004
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-06-01 16:22:04 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!aplcen!haven!decuac!shlump.nac.dec.com!ryn.esg.dec.com!cimnet.dec.com!pierson
From: pierson@cimnet.dec.com
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Air Force One (was Re: Who's on 407.75MHz?)
Message-ID: <1659@ryn.esg.dec.com>
Date: 1 Jun 90 17:10:09 GMT
Sender: guest@ryn.esg.dec.com
Followup-To: rec.ham-radio
Organization: Digital Equipment Corporation
Lines: 25
Xref: gmdzi rec.ham-radio:11896 rec.radio.shortwave:1368
Posted: Fri Jun 1 18:10:09 1990

In article <5878@bgsuvax.UUCP>, fyfe@bgsuvax.UUCP (Bob Fyfe) writes...
>From article <2239@speedy.mcnc.org>, by spl@duck.ncsc.org (Steve Lamont):
>> In article <4ab5c461.20b6d@apollo.HP.COM> hays@apollo.HP.COM (John Hays)
>>writes:
>> I don't think that's correct. I believe the Presidential helicopter is flown
>> by the Marine Corps and is called Marine 1.
>.....I agree....

     From a vaguely recalled article (maybe in Smithsonian?): [service]1 is the call used by an aircraft _with_ _the_ _president_ _on_ _board_. The usual

White House shuttle is a Marine chopper, hence, Marine 1. There exists an Army 1. When the same a/c does not have the president on board, it has a conventional callsign (forgotten...). If one of the back up planes is in use, by the president, _it_ assumes the [service]1 callsign. They recounted Nixon flying to California after resigning. Someplace in midcontinent, the a/c stopped answering Air_Force1 and started using a conventional call.

thanks
dave pierson |the facts, as accurately as i can manage,
Digital Equipment Corporation |the opinions, my own.
600 Nickerson Rd
Marlboro, Mass
01752 pierson@cimnet.enet.dec.com

"He has read everything, and, to his credit, written nothing" A J Raffles

From 6403595534705719692
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0761d0430f041ac,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 16:28:08 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!TAMVENUS.BITNET!MCL9337
From: MCL9337@TAMVENUS.BITNET
Newsgroups: rec.ham-radio
Subject: Wow...
Message-ID: <9005312351.AA08550@ucsd.edu>
Date: 31 May 90 23:51:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11
Posted: Fri Jun 1 00:51:00 1990

When did info-hams switch over to UCSD??

Also... PLEASE don't post a megabyte of AMSAT stuff right in the middle of a digest! I wanted to read the messages after the AMSAT stuff in the recent V1 #1 of the new digest, but fifty screens later I decided to call it quits and go for a swim! The digest is TOO BIG!!!

Mark Lowe - KB5III

MCL9337@TAMVENUS.BITNET

From -3004229982992807810
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ef902db57c2b37cb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 16:33:29 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!apollo!

hays
From: hays@apollo.HP.COM (John Hays)
Newsgroups: rec.ham-radio
Subject: Re: FUNKY CW CALLS
Message-ID: <4abacdae.20b6d@apollo.HP.COM>
Date: 31 May 90 23:46:00 GMT
References: <b00693cafdc12661792c@canremote.uucp> <XNB-4A#@splut.conmicro.com>
Sender: root@apollo.HP.COM
Reply-To: hays@apollo.HP.COM (John Hays KD7UW)
Organization: Hewlett-Packard Company, Apollo Division; Chelmsford, MA
Lines: 9
Posted: Fri Jun 1 00:46:00 1990

In article <XNB-4A#@splut.conmicro.com> jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard) writes:

>valid. I don't believe 1AA-1ZZ is assigned, either, so that makes the
>longest calls [JY]00[JQY][JQY][JQY]. I think Y0A-Y0Z is assigned to the
>DDR (for now), but can't guess about J0A-J0Z.

Shouldn't that be [[0JY][JQY]][0|00][JQY][JQY][JQY] ????

John KD7UW

From 4767008645927480398
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c3e5ef1850e65b9d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-06-01 17:30:18 PST
Path: gmdzi!unido!mcsun!uunet!samsung!dali!rpi!zaphod.mps.ohio-state.edu!
tut.cis.ohio-state.edu!ucbvax!NKUVAX.BITNET!JOHNSTON
From: JOHNSTON@NKUVAX.BITNET ("Gary Johnston, Music Department")
Newsgroups: rec.ham-radio
Subject: Re: INFO-HAMS Digest V90 #559
Message-ID: <87C115E092DF0071AB@NKUVAX.BITNET>
Date: 1 Jun 90 00:41:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Fri Jun 1 01:41:00 1990

Talk about funky callsigns... I endured the first few young
and tender years as a ham as WN4FAT then WB4FAT. Thank heavens
I didn't look the part (at least then!) cuz I took a load of
kidding. BUT, people remembered my call!

Gary Johnston KI4LA

From 5670652513617841755

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e1556eb72344ec7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 13:37:20 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!ttidca!sorgatz
From: sorgatz@ttidca.TTI.COM (Avatar)
Newsgroups: rec.ham-radio
Subject: Re: Any mods for Yaesu FT726R?
Keywords: mods yaesu ft736r
Message-ID: <14497@ttidca.TTI.COM>
Date: 29 May 90 20:37:20 GMT
References: <948@soleil.UUCP> <14055@ttidca.TTI.COM> <9009@rouge.usl.edu>
Organization: Citicorp/TTI, Santa Monica
Lines: 16
Posted: Tue May 29 21:37:20 1990

In article <9009@rouge.usl.edu> jpd@pc.usl.edu (jpd DugalJP) writes:
+An interesting report, Erik. But are you describing the ft736 or the ft726
+or what? My ft736 covers 430-450 with one module, and I am sure the 220
+module is available. The ft736 comes with 2m & 70cm; you can add 2 more
+band units, choosing from 6m, 220Mhz, and 1.2GHz.

James is correct! My blunder, those mods are good for the FT-726R, and to
my knowledge have never been tried on the FT-736R. Sorry for any confusion,
if anyone has other mods or has tried something like this on either radio
I'd love to hear about it. 73.

```
-Avatar-> (aka: Erik K. Sorgatz) KB6LUY           +------------------------+
Citicorp(+)TTI                              *----------> panic trap; type = N+1 *
3100 Ocean Park Blvd. Santa Monica, CA  90405     +------------------------+
{csun,philabs,psivax,pyramid,quad1,rdlvax,retix}!ttidca!sorgatz **
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR IT'S MANAGEMENT!)
```

From -7567471066359348601
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c979a163ceca76c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 13:46:31 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!mailrus!sharkey!wyn386!danielw
From: danielw@wyn386.mi.org (Daniel Wynalda)
Newsgroups: rec.ham-radio
Subject: Re: Neat ham tricks...
Message-ID: <345@wyn386.mi.org>
Date: 29 May 90 20:46:31 GMT
References: <9005262018.AA09589@ucbvax.Berkeley.EDU>
Reply-To: danielw@wyn386.UUCP (Daniel Wynalda)
Organization: Wynalda Litho Inc, Rockford MI
Lines: 24
Posted: Tue May 29 21:46:31 1990

In article <9005262018.AA09589@ucbvax.Berkeley.EDU> MCL9337@TAMVENUS.BITNET

writes:
>
>So... let's hear your stories about how you were rescued from various real
>and not-so-real emergencies thanks to the radio. I carrry my HT with me

I became a HAM last year. About 6 weeks after I got my license it paid for itself. A group of college age kids from our church went North here in Michigan to do some water skiing. One of the kids who went along has had medical problems (Epilepsy) but hadn't had a fit for about 5 years. He came along and was enjoying the day. After getting done skiing he was lying on a towel and went into a fit. There were no telephones for quite a ways (2-3 miles) from the place we were skiing. This would have been a long run. I called out on the local repeater frequency (I didn't know how to use it's autopatch -- or if they had 911).   A local ham called the ambulance and it arrived it <5 minutes. Definitely saved the day and helped our friend out.

Frankly, this one incident was enough to make getting my license worthwhile.

```
--
Daniel Wynalda       | (616) 866-1561 X22  Ham:N8KUD Net:danielw@wyn386.mi.org
Wynalda Litho Inc.   | It's soon to be a united, neutral, mediocre world.
8221 Graphic Ind Pk. | You know you're losing your freedom when everything you
Rockford, MI  49341  | like to do is taxed, charged "user" fees, or banned.
```

From -7767732215329224869
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,197953dbf00879ca,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 14:06:10 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp!deimos.cis.ksu.edu!rutgers!ucsd!ucbvax!WIDENER.BITNET!DXANDY
From: DXANDY@WIDENER.BITNET
Newsgroups: rec.ham-radio
Subject: Thanks
Message-ID: <5A051D0F3B1502FB-MTABWIDENER*DXANDY@widener>
Date: 29 May 90 21:06:10 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11
Posted: Tue May 29 22:06:10 1990

Hi!

I would like to thank everyone who replied to my request for help. Their advice was very much appreciated and as a result of it, I have decided to go ahead and erect a vertical antenna (a Cushcraft R5) on the garage.

I tried to reply to everyone who sent me email, but our mailer went down in a big way and I did lose some mail. The amount of advice and encouragement I have received from hams everywhere never ceases to amaze me. I am now looking forward, more than ever, to getting on the air.

Thanks again,

Andy Greenshields [dxandy@widener.BITNET]

From -586024552605538571
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,78ae0967fb79360a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 14:25:38 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!hpcuhb!fel
From: fel@hpcuhb.HP.COM (Skip La Fetra)
Newsgroups: rec.ham-radio
Subject: Re: UK reciprocal license
Message-ID: <10510008@hpcuhb.HP.COM>
Date: 29 May 90 21:25:38 GMT
References: <37400012@cpe>
Organization: Hewlett Packard, Cupertino
Lines: 23
Posted: Tue May 29 22:25:38 1990

/ hpcuhb:rec.ham-radio / davew@cpe.UUCP / 9:59 am May 26, 1990 /

> I am planning a
> trip to the UK in September and would like to get a '
> reciprocal license. Does anyone know where to apply for one?
>
> I assume that there is an appropriate form and fee required. Any help
> and information is appreciated.
>
> David Williams
> "Passed the tests, just waitn' for the FCC to digest my 610"

I tried mail, but it bounced. The answer is probably of general enough interest. The U.K. recip licence costs 12 pounds Sterling, and is good for 2 months if mobile, 1 year if you supply a U.K. station address. Third-party traffic is prohibited.

Since David just passed his exams, there may be bad news -- you have to be General or above for the reciprocal priviliges. A Technician license isn't good enough.

- Skip ("just did the same thing myself -- I'm G0KK6HK there") La Fetra
  KK6HK
  fel@hpda.HP.COM

From -7089420308566736308
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2d3079e520903b38,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 14:34:05 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!dvinci!weyr!katz
From: katz@weyr.FIDONET.ORG (SYLVAN KATZ)

Newsgroups: rec.ham-radio
Subject: E/H Wave Eaters
Message-ID: <685.26630E01@weyr.FIDONET.ORG>
Date: 29 May 90 21:34:05 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 30
Posted: Tue May 29 22:34:05 1990

Jon writes in reply to my comments about WPX CW condx:
> Ahhh-HAH! More of those mysterious high-latitude, iron-ore
> and fresh water signal-eating antics! Gotta have something
> to do with sitting smack-dab in the middle of the Laurentian
> Shield!
> - jon NW6H

For some reason every time there is a DX contest the E/H wave eaters
show up. Some time the geo-magnetic conditions get so bad that I can't
even hear myself think --- Now that's real bad. I know that others
live in QTH's which have the same difficulty. That is why I asked about some ideas
on a FAIR INTERNATIONAL DX CONTEST which would
account for band conditions as well as the station ERP. I guess
I could move but then who would be here to give all you guys the
VE5 prefix for the SS/Sprint/WPX contest. Oh well I guess no matter
how much I spend on rigs/towers/antennae the protons/electrtons
which swirl around up here are going to win any way!
See you all in the next contest .... provided the God's are in a good
mood.
PS. I am moving my QTH in the fall to the south of England. I am
going to take a QRP rig with me but I expect that I will only have
some bedsprings for an antenna. At least I will be able to experience
conditions from another QTH.
73's - Gud DX - Syl (VE5ZX)

```
--
Sylvan Katz             Ham: VE5ZX
203 Ball Crescent       UUCP: alberta!dvinci!weyr!katz
Saskatoon, Sask         Internet: katz@weyr.FIDONET.ORG
Canada S7K 6E1          Ham bands: below 14.025/21.025/28.025 @ 0100-0300Z
(306) 934-3168
```

From 6409221937269202028
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2bfbaa5a4f6994e0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 14:54:35 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!uakari.primate.wisc.edu!aplcen!
haven!adm!cmcl2!dasys1!schuster
From: schuster@dasys1.uucp (Michael Schuster)
Newsgroups: rec.ham-radio
Subject: Re: Bearcat scanner
Message-ID: <1990May29.215435.13145@dasys1.uucp>
Date: 29 May 90 21:54:35 GMT

References: <38120001@hpindwa.HP.COM>
Reply-To: schuster@dasys1.UUCP (Michael Schuster)
Organization: The Big Electric Cat; New York, N.Y. USA
Lines: 15
Posted: Tue May 29 22:54:35 1990

In article <38120001@hpindwa.HP.COM> stephenm@hpindwa.HP.COM (Stephen Meredith) writes:
>
>Does anybody have a bearcat 70 XLS? (I think it was XLS... I know it
>was XL something, or something XL.) It $100 a good buy on one of these?

I have the 70XLT (tiny, 20 channels). It cost $169 new, so I guess $100 is a good buy. If you really want one, I'd sell you =mine= for $75.

---mike

```
--
l\  /l'   _  Mike Schuster          70346.1745@compuserve.com
l \/ lll/(_  Big Electric Cat       schuster@dasys1.UUCP   CIS:70346,1745
l    lll\(_  New York, NY USA       DELPHI,GEnie,MCI Mail:MSCHUSTER
```

From 4325152344979555974
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,45e1004debb7acd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 15:25:06 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!trey
From: trey@ut-emx.UUCP (Trey Garlough)
Newsgroups: rec.ham-radio
Subject: Re: QSL Managers
Keywords: Volunteer, make a little
Message-ID: <30654@ut-emx.UUCP>
Date: 29 May 90 22:25:06 GMT
References: <1990May25.124640.7792@cbnewse.att.com>
Organization: The University of Texas at Austin, Austin, Texas
Lines: 43
Posted: Tue May 29 23:25:06 1990

In article <1990May25.124640.7792@cbnewse.att.com>, waco@cbnewse.att.com (john.l.broughton) writes:
> As usual, I sent my card with a green
> stamp for each contact as they were worked at different times. I have
> received one card back. Guess what? It was mailed from California with
> a 25-cent stamp. Say he handles QSLs for a dxpedition and gets 1,000
> cards from U.S. hams with a green stamp. He spends $250.00 for stamps
> and keeps $750.00. This is more than a making a little money. I have
> had this happen a very few times over the past 13 years. Most QSL
> managers do not do this.
>
> If QSLs are to be mailed back from the U.S., the QSL information should

> include the fact that an sase should be sent with the card. I have no
> problem with honesty, but do have a problem with deception! It is good
> that this type of QSL managing is the exception to the rule.

I don't agree with this sentiment. I don't see this as a deception; I see it as economy. When I send cards to a manager overseas I include: QSL cards (average of two or three), compensation (a green stamp or two IRCs; IRCs can be had for $0.40 on the secondary market) and a return envelope. I try to view this as a fixed expense for getting cards from overseas. Want a card? Send a buck.

What's wrong with making those incoming dollars go a little further? They can be used to buy QSLs, or reply to bureau cards. (QSLing via the bureau is not gratis in every country like it is here .. and face it, $2 per pound of outgoing approximates free.) The money can be used to pay DXpedition bills. What's wrong with spending your money wisely?

For example, if it cost approx. $US 0.80 to send cards from Finland, but only approx. $US 0.60 to send them from Sweden, would you be irate if they drove over to Sweden and sent the cards? I wouldn't.

Where I draw the line is when DXpeditioners expect me to foot the cost of their DXpedition. I don't go for the "I'm doing you a favour by going on a DXpeditions so you can work a new country. You owe it to me to help pay the bills." Bzzzzzt. WRONG. You're going on DXpeditions because you derive personal satisfaction from this kind of activity (in the form of recognition from your peers, you enjoy travelling, you enjoy the challenge, whatever).

Trey Garlough
Computation Center, University of Texas, Austin, Texas 78712
trey@emx.CC.UTEXAS.EDU (internet) (512-471-3241)

From 8189388152261735002
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4d6b3418c48ab50
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 16:14:42 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: Stealth Paint Needed
Message-ID: <1250172@hpnmdla.HP.COM>
Date: 29 May 90 23:14:42 GMT
References: <2341@anasaz.UUCP>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 28
Posted: Wed May 30 00:14:42 1990

I used clear Krylon at one time and discovered that it came apart pretty badly after a little while, presumably due to UV exposure but I never proved that was the cause.

I've been building and measuring vhf/uhf antennas for quite a while and I often use brazing rod for elements and copper water pipes for the boom. One of the subtle problems that can occur with such construction is due to corrosion, oxides sulfides and I don't know what all, building up on the elements if they are not protected. This has the insidious effect of reducing antenna efficiency without showing up in the pattern. Essentially the gain drops on both transmit and receive and unless you have a known good reference antenna you may not even notice it! (It's a little like the budget deficit (:>) Everything appears to be "normal".

I have had good results with standard spray paints. I don't remember the brands, but I've seen no problem as far as changes in feedpoint impedance before and after spray painting, I've measured quite a number using a vector network analyzer. The finished (painted)antennas have appeared to have the correct gains for their number of elements/boomlength. I can't say that I ever tried camoflouge paint but I don't expect that would fool the electrons (:>).

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From -294151493448732850
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c979a163ceca76c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 18:04:35 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!rutgers!bellcore!thumper.bellcore.com!karn
From: karn@thumper.bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Neat ham tricks...
Message-ID: <23705@bellcore.bellcore.com>
Date: 30 May 90 01:04:35 GMT
References: <252.UUL1.3#5131@mvac23.UUCP>
Sender: news@bellcore.bellcore.com
Reply-To: karn@thumper.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 30
Posted: Wed May 30 02:04:35 1990

I can't think of any cases in which having a radio has gotten me out of a real jam (except for the one time I ran out of gas), but I *can* cite one case in which it almost got me INTO a serious jam.

It was about 9 years ago, just after a USENIX conference. I was taking the San Francisco BART across the bay to visit a friend at UC Berkeley.

I had all my luggage with me, and my 2m HT was sticking out of my coat pocket. As I gazed out the window at nothing in particular, I noticed from the reflection in the window that the guy sitting on the other side of the car was counting out pills into the palm of a young girl's hand. This surprised me, and before my better judgement could prevail I reflexively turned my head and looked directly at the guy to see if I saw what I thought I saw.

Yes, this was indeed a mistake. He saw the radio and antenna sticking out of my pocket and apparently took me for some sort of narc or cop: "Hey, what YOU looking at?" All I could do was to turn back to the window and ignore him as best I could, wondering if I'd be alive at the next stop. I stared outside until the guy finally got off at the Oakland stop. He continued to harass me through the window (he apparently didn't like the way I looked right through him) until the doors closed and the train began to move. At this point, I couldn't help myself; I broke into a wide grin and gave him the biggest obscene gesture I could muster.

Since I moved to the NNJ/NYC area about 8 years ago I have ridden the NYC subway many times, but never have I been as concerned for my personal safety as I was that night on the SF BART. But when I carry my HT, I usually hide it under my coat.

Phil

```
From 5696337861348279776
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6aaa38df91c0584,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 18:06:15 PST
Path: gmdzi!unido!mcsun!uunet!nems!ark1!uakari.primate.wisc.edu!zaphod.mps.ohio-
state.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL Letter 18-May-90
Message-ID: <1508@n8emr.UUCP>
Date: 30 May 90 01:06:15 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 356
Posted: Wed May 30 02:06:15 1990
```

```
==============================================================
|         Relayed from packet radio via                 |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

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BOARD TO HONE CODELESS LICENSE STAND

League officials met recently to consider the ARRL position on proposed changes to the Amateur Radio licensing structure. The "strawman" committee, appointed by President Larry Price, W4RA, on recommendation of the Executive Committee, was charged with weighing the League's position in light of the FCC's Notice of Proposed Rule Making on the subject (for the full text of PR 90- 55 see April QST page 38).

The League's board of directors now actively seeks input from all interested members. The board will consider this input, as well as the recommendations of the April 21 working group, to formulate a position.

The "strawman" committee consisted of five directors, First Vice President George Wilson III, W4OYI, and Executive Vice President David Sumner, K1ZZ. Among their recommendations to the board:

* Reaffirmation that the Novice class license as a route of entry into Amateur Radio is absolutely essential.

* Support for the incorporation of Novice testing into the accredited Volunteer Examiner system. This would permit examination elements earned in obtaining a Novice license to be used for credit toward upgrading, without retesting.

* Pursuing rules changes to permit VECs to recoup examination expenses for Novice exams, provided that no fees are charged for any applicant under age 16.

* Retention of the Technician class license as a distinct class of amateur license, and its continued availability to new applicants.

* Clarification of the League's position with regard to Element 3A: that the existing Element 3A should be expanded by five questions (i.e., the pool should be expanded by 50 questions). Requirements for the Novice, Communicator, and Technician licenses would be as follows:
    Novice: Elements 1A (5-wpm code) and 2 (30-question written);
    Communicator: Elements 2 and 3A (30-question written);
    Technician: Elements 1A, 2, and 3A;
    Upgrading from Novice to Technician would require passing Element 3A;
    Upgrading from Communicator to Technician would require passing Element 1A;

* Certificates of Successful Completion should be issued to candidates who pass either Element 1A or Element 2 without qualifying for a license by passing another element;

* Frequency privileges for Communicators should be as proposed in RM-6995 (the League's original codeless license proposal). The FCC proposal of a 200-watt PEP output power limit for Communicators was acceptable to the working group. However, since the only difference between Communicator and Technician qualifications is the 5-wpm code test, the Committee could find no rationale for denying Communicators control operator privileges for repeater and auxiliary stations. Therefore, the Committee recommended the

Board reconsider its position on this matter;

* Technician licensees who have credit for Element 3B by virtue of having taken the old, 50-question Element 3 examination should retain this credit (permitting them to upgrade to General upon passing just the Element 1B 13-wpm code test);

* In all other respects, the committee recommended there be no departures from the ARRL position as adopted in RM-6995. The recommendations of the committee are just that--recommendations.

AWAITING "THE NEW CQ"

Subscribers to both CQ and Ham Radio magazines eagerly await the July issue of CQ, for the first indication of how CQ assimilates Ham Radio.

"[Ham Radio readers] can expect to see the best of what is good in the magazine you already know molded into an even better product," says Ham Radio publisher Skip Tenney, W1NLB, in the June--and final--issue of HR. "The expanded CQ," Tenney says in his final editorial, "will incorporate the best efforts of two of the most experienced publishing staffs anywhere in the Amateur world."

CQ, in an April 27 letter to advertisers, says "we'll be looking at a new circulation figure of just over 100,000. That includes newsstand sales of 32,500..."

CQ's advertising rates also are rising, by "less than 30 percent" (their letter stated).

While organizational planning is still "in the formulative stage," as one of the principals puts it, CQ will waste no time addressing the task of retaining former Ham Radio readers.

Articles accepted for publication by Ham Radio will not necessarily appear in CQ. Their authors were given the option of taking their work elsewhere or automatically letting CQ consider them.

As for staff, no immediate changes have been announced at CQ. Ham Radio assistant publisher J. Craig Clark, NX1G, will remain in New Hampshire, to manage the Ham Radio Bookstore and to "develop new properties."

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TWO BLOWS STRUCK FOR 220

The Federal Communications Commission continues to consider ways in which the 220-222 MHz band might be used for non-amateur communications, while amateurs still occupy the segment and in spite of the matter being under appeal in federal court. Recent FCC proposals have given the League two more opportunities to remind the Commission that "action to implement the band in the Part 90 rules is premature, and subject to reversal by the Court."

"Bait and switch" is how ARRL General Counsel Christopher Imlay, N3AKD, referred to land mobile industry comments in FCC's PR Docket 89-552, in which it is suggested the Commission group the proposed 5 kHz voice channels into contiguous blocks of five or ten channels, and to permit time division multiple access (TDMA) schemes for data transmission.

In his Reply Comments, Imlay points out that the 25- or 50-kHz channels proposed by industry for 220-222 MHz in the name of "spectrum efficiency" already are available in existing land mobile bands.

"...the entire rationale for the reallocation of the 220-222 MHz band...is now gone ... It is time that the Commission reevaluated the premises which led to the reallocation of the 220-222 MHz band," the League's comments contend. "The conclusions in Docket 87-14 were never correct, and have been shown...to be untimely."

In PR Docket 89-599, FCC in December proposed a "Personal Emergency Locator Transmitter System (PELTS) within the 220-222 MHz band. In comments last March the League pointed out:

* The proposal was premature;
* Rules compliance would likely to be poor;
* Few non-amateurs have receivers for those frequencies--most scanners don't cover them.

The League, in its most recent comments on the matter (May 4), noted that professional search and rescue organizations also saw PELTS as unlikely to be effective, especially in light of the ongoing development of satellite locating systems and of the burden that would be imposed on users to acquire new equipment.

ARRL comments again concluded by seeking "no action" on the PELTS proposal, particularly in light of the uncertain status of the actual reallocation of the frequencies involved.

FDA ISSUES RF ADVISORY

A recent US Food and Drug Administration advisory concerning infant apnea monitors mentions their susceptibility to RF fields, but the risk appears to be minimal, according to experts.

The FDA Drug Bulletin (Vol. 20, No. 1) urges health care professionals to ensure proper setup and use of the monitors. The devices, used primarily to detect cessation of breathing, are used in both hospitals and in homes. The hospital units are more sophisticated than portable devices used in the home.

Infant apnea monitors are hooked up to a child by gluing two wires to the chest; the monitor detects changes in impedance across the wires, setting off an audible alarm. IA monitors are primarily subject to false alarms; fail-safe mechanisms in their microprocessors virtually ensure they will detect episodes of apnea.

The FDA safety alert letter mentions a number of possible flaws in set-up and use of IA monitors; among them:

- "Keep the monitor away from possible sources of interference such as electrical appliances"; and

- "Be aware that strong radio signals from nearby TV or radio stations, airports, ham radios, or police stations could interfere with the monitor, and check for this interference if the monitor is to be operated in such areas."

A biomedical technician contacted by The ARRL Letter said he has experienced not a single incident of an IA monitor interfered with by an RF field. The technician, who maintains the monitors for a home health care company, does say that older units, using analog technology, can be susceptible to all sorts of electrical interference.

Static electricity affects them; "You can get a false alarm by running your hand over the case of an older unit," he said. "A device with a compressor--a refrigerator or air conditioner--on the same circuit can cause a false alarm via a voltage spike."

On the other hand, every instance of failure the technician knew of was due to incorrect usage. His company recommends parents perform a power-up test every time their IA monitor is used.

Copies of the advisory letter are available from FDA, HFZ- 240, Rockville MD 20857.

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FCC ENFORCEMENT ACTIONS

On 1 April 1990 Amateur Radio operator Joseph A. Della Barba (N3HGB) of Annapolis, Maryland was fined $1000 for "operating a pirate radio station," according to an FCC public notice. An electronics technician and engineer from FCC's Baltimore and Laurel offices located the operator transmitting on radio equipment in his vehicle.

The unauthorized station, using the call sign WTNU, ("The Nation's Underground") had been initially overheard during routine monitoring of the aeronautical mobile band. Della Barba was operating on 25,000 kHz, a frequency assigned to the National Bureau of Standards station WWV. (FCC Public Notice 13 April 1990).

Acting on a tip from a "local amateur radio operator," FCC's Seattle Office identified and fined one George M. Muchin for unauthorized and unlicensed operation of a marine radio transmitter. According to the FCC, Muchin, owner of Redmond Plumbing, was fined $1500 for using 156.575 MHz, a VHF marine frequency, for conducting non-marine business. Mobile direction finding equipment was used "to trace the transmissions first to a worker's truck and then to a private residence." (FCC Public Notice 30 April 1990).

Following several years of complaints by amateurs operating in the 40 meter band from the Pacific Northwest, FCC has tracked down and fined two amateurs for "willfully interfering" with other amateur radio communications. Robert N. Frizzell, W6UCB, of Beatty, Ore., and Richard L. Young, W6UGH, of Los Angeles, each were fined $1000.

FCC personnel observed Frizzell and Young "consistently operat[ing] adjacent to the operations of other amateurs and within the bandpass of state of the art receivers. When the affected amateurs moved, these two amateurs would follow and operate adjacent to them, again within the receiver bandpass of adjacent operators."

The case has been referred to FCC in Washington. (FCC Public Notice, 30 April 1990).

A licensed amateur has been charged with jamming a commercial broadcast satellite, according to the FCC. Thomas M. Haynie of Virginia Beach, Va., has been indicted by a grand jury in the Eastern District of Virginia. Haynie was charged with three counts of intentional interference and three counts of unlicensed operation of a satellite uplink.

Haynie, WB4PVK, is 38 and holds an Advanced class amateur license, according to FCC records.

On September 6, 1987, the indictment alleges, Haynie was uplink operator on duty at the Christian Broadcasting Network facility in Virginia Beach. On three separate occasions a video text message "completely overrode" programming carried on two satellites: Satcom IV and Spacenet I. The programming allegedly jammed was that of The Playboy Channel. (FCC News, 27 April 1990).

IARU PRESIDENT HONORED

International Amateur Radio Union president Richard L. Baldwin, W1RU, has received the Roy Stevens, G2BVN Memorial Trophy for service to international Amateur Radio. The triennial honor was unanimously awarded to Baldwin at the IARU's Region 1 conference, held last month in Spain.

Baldwin joined the ARRL Headquarters staff in 1948, served from 1975 to 1982 as general manager, and was an IARU representative at the general WARC in 1979.

Baldwin recalled his job interview at ARRL Headquarters 42 years ago. "When asked about my qualifications, by General Manager A.L. Budlong," Baldwin said, "I replied 'I'm reasonably intelligent and I can type.'"

"Anybody can type," Budlong replied. "So what's your code speed?"

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TOWARD AN INTER-ISLAND ACCORD

Using Hurricane Hugo as just the latest example, Caribbean communications officers met recently to continue plans for cooperation in times of need. Their goal, to join in a "regional mechanism," would include relaxing third party restrictions, facilitate reciprocal licensing, and ease customs barriers between islands.

Amateur Radio representatives from 11 Caribbean nations met on St. Lucia in late April to discuss these issues. Included were Trinidad and Tobago; Grenada; St. Vincent; Barbados; St. Lucia; Dominica; Montserrat; Antigua; St. Kitts and Nevis; the British Virgin Islands; and Jamaica.

Meeting under an umbrella organization formed in 1980, the Pan Caribbean Disaster Preparedness and Prevention Project (PCDPPP), comprised of 33 Caribbean and Central American islands and countries, the group focused on presenting a collective front to regional governments and agencies, specifically the Caribbean Telecommunication Union.

Attending as observers and resources were Office of US Foreign Disaster Assistance communications officer Art Feller, KB4ZJ, Texas A&M telecommunications professor Pierre Catala, WA1UAT, and ARRL Field Services Manager Richard Palm, K1CE.

According to Palm, PCDPPP seeks to improve the dissemination of warnings as well as all communications in the event of a natural disaster such as Hugo. The strengthening of Amateur Radio bridges joins commercial telecommunications networks as part of the plan. For this reason, Palm says, the PCDPPP has worked closely with the region's amateur community, including sponsoring the late-April conference.

Several of the participants reported conducting emergency drills on their islands, and most are developing the use of packet radio.

Regularly scheduled nets, such as the twice-daily Antilles Emergency and Weather Net, also play a part in disaster communications. The conference agreed to promote greater participation in such nets and to encourage continued association of such nets with IARU, ARRL, and the Amateur Radio organizations of member countries.

Three conference working groups, Technical, Organizational, and Emergency Procedure, made recommendations to the overall conference, which agreed to form a new Amateur Radio regional organization. To that end a task force was formed.

At the conference, Palm noted the League's work to educate US amateurs in proper techniques during Caribbean emergencies, based on lessons learned from hurricanes Gilbert and Hugo and from Palm's meetings with Caribbean amateurs in Trinidad and Jamaica.

W1AW RENOVATION UPDATE

Contributions to the Maxim Memorial Station renovation continue to arrive, from manufacturers as well as private individuals. The station, rededicated last July, is nearing completion (as if a ham station is ever complete, or permanent!), with some antennas yet to go up, according to W1AW station manager Eddy Pollock, W6LC.

Last week W1AW was the beneficiary of two Tandy 1000 TL/2 computer systems, through the auspices of Ed Juge, W5TOO, marketing director for the Tandy Corporation. These computers initially will be used--in conjunction with a Buckmaster CD ROM call sign data base--for record keeping and QSLing at the station, as well as for visiting operators to use in log keeping.

Tandy's gift, valued at some $6000, adds their name to a list of corporate supporters of the station that includes Andrew Corp., Bencher, Cushcraft, Digital Radio Systems, Hammond Mfg., Harris Corp., ICOM America, Kenwood USA, MFJ, and Ten-Tec.

Three plaques soon will be on public display at the station, listing individual donors at the $1000 and $500 levels, as well as recognizing corporate supporters of Amateur Radio's most famous station.

SAREX ON HOLD

The launch of shuttle STS-35 was aborted May 15 and postponed until month's end, at the earliest. STS-35 will carry WA4SIR and the SAREX (Shuttle Amateur Radio Experiment).

--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From -5571478772921649051
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,772c44f95df49c52
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,772c44f95df49c52
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-29 18:16:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!randvax!ucla-an!stb!driver8
From: driver8@stb.info.com (Hugh Whats-his-name)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: strange claims
Keywords: advertising
Message-ID: <1990May30.011638.28831@stb.info.com>
Date: 30 May 90 01:16:38 GMT
References: <96594@philabs.Philips.Com>
Sender: driver8@stb.info.com (Hugh Stegman)
Organization: The Serial Tree BBS, +1 213 397 3137
Lines: 17
Xref: gmdzi rec.ham-radio:11828 rec.radio.shortwave:1344
Posted: Wed May 30 02:16:38 1990

In article <96594@philabs.Philips.Com> rfc@briar.Philips.Com (Robert Casey)

writes:
> "It hunts the airwaves for hidden and weak signals and pulls them in
>like a radio magnet."

Another fave of mine was the ad for a rabbit-ears TV antenna last year:

"Uses revolutionary new 'RF' technology to literally snatch TV programs from
the thin air. Now you can forget those high cable bills forever!"

Yow.

--
```
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
 Hugh Stegman NV6H                                            driver8@stb.info.com
 RCMA Below 30 MHz                                               denwa!stb!driver8
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
```

From 477764355610139767
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cef85b299ecd0fe,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 18:43:23 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
usc!ucsd!ucbvax!skvax1.csc.ti.com!anderson
From: anderson@skvax1.csc.ti.com (John H. Anderson N5OPY)
Newsgroups: rec.ham-radio
Subject: TAPR TNC2 kits
Message-ID: <9005300154.AA03874@ti.com>
Date: 30 May 90 01:43:23 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Wed May 30 02:43:23 1990

I was wondering if anyone knows if it is still possible to get the
TNC2 from TAPR as a kit. Or if not, where to look for the cheapest
TNC2 with Kiss support?

I have a need for a number of inexpensive basic TNCs. Some friends
of mine are interested in setting up a packet network in New Guinea.
They are missionary language translators and have very limited budgets.
Most do have portable pcs.

Any help with acquiring information would be appreciated.

--
John H. Anderson, N5OPY
anderson@skvax1.csc.ti.com

From -28488377977209749
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4e1d4fde4248ecb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 18:52:18 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!cs.utexas.edu!asuvax!mcdphx!citek.phx.mcd.mot.com!hbg6
From: hbg6@citek.phx.mcd.mot.com
Newsgroups: rec.ham-radio
Subject: learning code
Summary: advice?
Message-ID: <12984@mcdphx.phx.mcd.mot.com>
Date: 30 May 90 01:52:18 GMT
Sender: daemon@mcdphx.phx.mcd.mot.com
Reply-To: hbg6@citek.phx.mcd.mot.com
Organization: Motorola Microcomputer Division, Tempe, Az.
Lines: 14
Posted: Wed May 30 02:52:18 1990
Sender:
Distribution:na

A friend and myself are struggling along trying to prepare for our novice/tech test this July. I got a copy of 'morse tutor' for our computers and I've been doing quite well with it. My friend however says he just isn't picking it up. Does anyone out there have any experience learning code from software like this and what is the nets advice on how to use it. I have been running the teach mode for the group I'm working on for a few minutes, the going to test mode until I make a mistake. I then resume teach mode again for a few minutes.

I'm interested in how others have successfully used these tools.

Thanks,
John R. Schuch
(maybe in a couple of months I'll be able to put a call in my .sig)

From -459764254681256850
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17526e371e2c5663
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 22:07:18 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: 100 GHz and up
Message-ID: <2351@anasaz.UUCP>
Date: 30 May 90 05:07:18 GMT
References: <30500551@ux1.cso.uiuc.edu> <12012@shlump.nac.dec.com>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 35
Posted: Wed May 30 06:07:18 1990

In article <12012@shlump.nac.dec.com> koning@koning.enet.dec.com (Paul Koning) writes:
]> If the data is scrambled properly, it is virtually assured of self clocking.
]
]That's a common misconception. Scrambling has no effect on whether
]a code is self-clocking. All it does is change WHICH user data pattern
]causes absence of clocking.
]
]Unfortunately this mistake is common in certain parts of the communication
]industry. The reality is that the ONLY way to have guaranteed clocking is
]to use a code that has minimum transition density guarantees. For example,
]FDDI is self-clocking; SONET is not.
]

On the other hand, scrambling can be used for self clocking for most
communications schemes. For example, if you can stand the loss of
clock for 20 bits, then the probability of losing clock because
you didn't GUARANTEE clocking is about 1E-6 - probably better
than your BER anyway. This assumes:
  (1) You are receiving and sending crystal controlled (I can't imagine
      doing it any other way.
  (2) You design your clocking so it can miss clocks and not do anything
      silly.
  (3) When a packet is retransmitted, it is not scrambled the same as
      when it was first sent (again, any normal scrambling modem
      will act properly in this regard).

So... from a perfectionist standpoint, scrambling won't work. From
any practical engineering standpoint (except perhaps in extremely
low SWR FEC/no-ACK protocols), scrambling will work just fine.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {asuvax,mcdphx}!anasaz!john john@anasaz.UUCP
Voice: (602) 951-9326 (day or eve)   FAX:602-861-7642 Advice: Long palladium,
USnail: 7525 Clearwater Pkwy, Scottsdale, AZ 85253   ......: Short petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -8160980661784618351
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e724d6ea41b2e3ea
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c9e3,edd01e93322652ed
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 22:10:15 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
cs.utexas.edu!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: Damped waves, B waves
Message-ID: <768@ssc.UUCP>
Date: 30 May 90 05:10:15 GMT

References: <981@tsdiag.ccur.com> <30500556@ux1.cso.uiuc.edu>
Organization: SSC, Inc., Seattle, WA
Lines: 19
Posted: Wed May 30 06:10:15 1990

In article <30500556@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
>
> > Does anyone out there hapen to know what a 'damped wave' or 'B wave' is?
>
> They are also mentioned all over the place in (as far as I can tell) every
> radio service. So far I have not found the actual definition of damped
> waves, but I'm guessing it is spark-gap. The "damping" is the filtering
> used to select a frequency of a broad nature.

Damped Wave. - From the description of the oscillatory discharge of a condenser, a clear understanding of the damped wave is obtained. The word "damp", as use in connection with a radio wave, means to choke or to stifle, to die out. The damped wave is choked off or stifled, according to the characteristics of the circuit in which it is oscillating. ...
"Practical Radio Telegraphy, Nilson and Hornung, McGraw-Hill 1928"

Or in modern terms, a ringing resonant circuit decaying exponentially.

markz@ssc.uucp

From 3788543408179799515
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,395725a5b4a8dc07,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 22:58:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!rutgers!bellcore!ka9q.bellcore.com!karn
From: karn@ka9q.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Lotsa AMSAT Bulletins
Message-ID: <23711@bellcore.bellcore.com>
Date: 30 May 90 05:58:25 GMT
Sender: news@bellcore.bellcore.com
Reply-To: karn@ka9q.bellcore.com (Phil Karn)
Organization: Secular Humanists for No-Code
Lines: 1889
Posted: Wed May 30 06:58:25 1990

Posted: Sun, Apr 29, 1990   6:01 AM GMT   Msg: MGJA-4241-5565
From: CDUNCAN
To: is
CC: w1aw
Subj: ANS$118

SB ALL @ AMSAT $ANS-118.01
DOVE STATUS REPORT

HR AMSAT NEWS SERVICE BULLETIN 118.01 FROM AMSAT HQ
SILVER SPRING, MD APRIL 28, 1990
TO ALL RADIO AMATEURS BT

On the AMSAT-NA Operations Net of 22 April 90, Microsat command engineer Bob McGwier, N4HY gave a brief rundown on the current status of the BRAMSAT Project DOVE satellite. After a DOVE CPU crash in March, the primary transmitter (on 145.825 MHz) was locked on in a condition where no data was being transmitted. Routine commanding of the spacecraft was impossible. Eventually, with the help of the moonbounce array at W5UN and fortuitous circumstances, the CPU was reset and control was regained. On the following day, the two meter transmitter was turned off and the experimental S band transmitter was activated as the only downlink during an interim recovery period.

A decision was made not to resume any DOVE operation on two meters until a new software load could be accomplished. This meant that return packets from the Microsat Boot Loader (running in onboard ROM) would have to be recovered from the S band transmissions. DOVE's owner, BRAMSAT President Dr. Junior DeCastro, PY2BJO, provided N4HY with an S band receive converter and antenna system to be used in the recovery effort. When this equipment was installed at N4HY, Bob was able to verify what other S band receiving stations around the world (including ON6UG, K0RZ, and KF4AU) had already discovered, that the phase shift keying modulation index on the transmitter was much lower than expected. Simply put, the binary data does not shift the S band carrier a full plus and minus 180 degrees as it had been designed to. Listening on a sideband receiver, the signal sounds like mostly carrier with data only at a low volume. Additionally, data being sent via this transmitter is from the MBL which transmits incomplete telemetry packets, and those only infrequently. Command stations have experience with this data format, but it cannot be decoded directly by regular TNCs so it is difficult for other operators to participate in data collection though they may have S band gear.

Since the reset, it has been determined that DOVE is in a safe and stable condition running the MBL firmware. N4HY has developed a DSP based technique to decode with some certainty the undermodulated packets returned on DOVE S band during software uploads. He expects to be able to load and verify a new operating system on DOVE with some difficulty and then resume 2 meter transmissions. A full recovery is expected.

During the time required to get the S-band receive gear and demodulation techniques developed, work has been proceeding on the first, rudimentary PBBS systems for LUSAT and PACSAT. After these systems are installed and in use (very shortly), full attention will be concentrated on the DOVE recovery.

AMSAT-NA and BRAMSAT recognize the popularity of DOVE and regret the inconvenience that these startup delays have caused to educators and other amateurs worldwide who are anxious to see DOVE begin its operational mission. It is, of course, imperative that all facets of spacecraft checkout and operation, including this first crash recovery, be done thoroughly and with the utmost care.

/EX
SB ALL @ AMSAT $ANS-118.02
PROJECT OSCAR MEETING REPORT

HR AMSAT NEWS SERVICE BULLETIN 118.02 FROM AMSAT HQ
SILVER SPRING, MD APRIL 28, 1990
TO ALL RADIO AMATEURS BT

Future Plans Made During Project OSCAR Meeting

Project OSCAR's Executive Committee met on April 22 and has set forth on a number of new projects. Among the items covered was renewed interest to again produce the Project OSCAR Orbital Prediction Calendar Book. The purpose of the orbital prediction book is to provide simple and inexpensive tracking information to anyone interested in the low orbiting satellites such as Microsat, UoSAT, Fuji and the Radio Sputnik series of amateur satellites.

It was determined that Project OSCAR members would like to participate in future satellite projects. Therefore, the Executive Committee will be submitting thoughts to the group meeting in Marburg, West Germany in May, discussing ideas on a Phase IIID satellite.

Project OSCAR will look to develop a Mode S receive system from available (and cost effective) modules now available on the market. Project OSCAR members will complete this project and write up a description of the system for publication in the Amateur Radio media so that anyone interested in Mode S will be able to make the move into this new area of OSCAR communication.

Finally, in response to many who have asked for information, Project OSCAR will sponsor a seminar about operating on all of the available Amateur Radio satellites. This seminar will take place on September 29th and 30th on the San Francisco Peninsula. In addition to a full schedule of talks aimed at the beginning and advanced satellite user, there will be demonstrations available, plus published papers provided to all in attendance. Complete details of this OSCAR seminar, along with names of the speakers scheduled to speak will appear in the AMSAT bulletins, on Packet and phone BBS', and the usual Amateur Radio Media. To receive complete registration information as soon as it's available, send a Self-Addressed Stamped Envelope (SASE) to:

OSCAR Seminar
Project OSCAR, Inc.
P. O. Box 1136
Los Altos, CA 94023-1136

[ANS thanks Project Oscar President, Ross Forbes, WB6GFJ for the information for this bulletin.]

/EX
SB ALL @ AMSAT $ANS-118.03
R3MIR/7 ON THE AIR

HR AMSAT NEWS SERVICE BULLETIN 118.03 FROM AMSAT HQ
SILVER SPRING, MD APRIL 28, 1990
TO ALL RADIO AMATEURS BT

Club Station at Russian Launch Site Active.

R3MIR/7 is the clubstation in Bajkonur Cosmodrome (UL7-land). The operator most active at the present time is UA6HZ, Valery Agabekov. He is the one responsible for providing the FT-290 for the MIR mission 2 years ago.

[AMSAT thanks DB2OS and Leonid Labutin for supplying this bulletin]

/EX
SB ALL @ AMSAT $ANS-118.04
UO-14 UPDATE

HR AMSAT NEWS SERVICE BULLETIN 118.04 FROM AMSAT HQ
SILVER SPRING, MD APRIL 28, 1990
TO ALL RADIO AMATEURS BT

New Bird is Hot Bed of High Speed Data Activity

The level of activity at 9600 baud on UO-14 demonstrates that it is relatively easy to become operational at that speed. A complete list of stations logged on the UoSAT-OSCAR-14 MHEARD list over the last week includes:

DF3LZ, DF5DP, DG3LAE, G0BDD, G3RUH, G4WFQ, G8TZJ, GM4IHJ, I2KBD, JA6FTL, JH1LVN, JH3FDA, JH7CKF, JR1EDE, JR1FRF, KA2MOV, KF4WQ, LU1BEE, LU8DYF, N4HY, ON6UG, VK3DTO, W7KRC.

It was reported that KA2MOV was able to connect to N4HY using 25 watts on transmit and omni-directional antennas for both transmit and receive.

UO-14's command team are planning to load increasingly sophisticated housekeeping software to the PCE this week. The new housekeeping software includes a "file system" for storing WOD and data frames from the Cosmic Particle Experiment (CPE). This data will be downlinked using the standard PACSAT Broadcast Protocol, inside AX.25 UI frames.

Once the housekeeping software is installed, Jeff Ward of the University of Surrey will begin working on the BBS software. This will be a host-mode BBS designed by Jeff and Harold Price, NK6K, specifically for the PACSATs.

[AMSAT thanks AMSAT-UK for the information for this bulletin]

/EX
SB ALL @ AMSAT $ANS-118.05
AO-13 OPERATING SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 118.05 FROM AMSAT HQ
SILVER SPRING, MD APRIL 28, 1990

TO ALL RADIO AMATEURS BT

AO-13 Transponder Schedule to 09May90

Mode-B : MA 000 to MA 165
Mode-JL : MA 165 to MA 195
Mode-S : MA 195 to MA 200
Mode-BS : MA 200 to MA 205
Mode-B : MA 205 to MA 256
Omnis : MA 240 to MA 060

BLON = 208 and BLAT = 0.1 for 30Apr90

Only the Mode-S transponder andd the Mode-B beacon will be ON from MA 195 to MA 200. Beginning in early May, there will be a transponder and attitude change on AO-13. During magnetorquing to BLON/BLAT 180/0 the transponders will be switched off from MA 200 to MA 060. After the attitude change, a new schedule will be announced.

AO-10 is currently experiencing poor solar panel illumination angles and until further notice its transponder is not available for use. It is expected that this will continue for several weeks.

/EX
SB ALL @ AMSAT $ANS-118.06
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 118.06 FROM AMSAT HQ
SILVER SPRING, MD APRIL 28, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times. Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970. The net on May 6 may be on Mode B or J/L depending on the transponder schedule at that time.

Date UTC	Time	Phs	Mode	NCS	U.S. Day
06 May 90	0145	168	***	N5BF	Saturday
13 May 90	0250	111	J/L	N5BF	Saturday
24 May 90	0205	112	J/L	TBD	Wednesday
04 Jun 90	0120	112	J/L	TBD	Sunday
15 Jun 90	0035	111	J/L	N5BF	Thursday
26 Jun 90	0150	156	B	N5BF	Monday

For information on the amateur satellite program and how you can participate, contact AMSAT-NA at P.O. Box 27, Washington, DC 20044, or phone (301) 589-6062, or contact your local AMSAT Area Coordinator.

/EX

Posted: Sun, May 6, 1990 6:10 AM GMT Msg: CGJA-4251-7551
From: CDUNCAN
To: is
CC: w1aw
Subj: ANS$125

SB ALL @ AMSAT $ANS-125.01
AMSAT'S GREAT SHOWING AT DAYTON

HR AMSAT NEWS SERVICE BULLETIN 125.01 FROM AMSAT HQ
SILVER SPRING, MD MAY 5, 1990
TO ALL RADIO AMATEURS BT

Radio Amateurs Show Great Enthusiasm For MICROSATs At Dayton Hamvention '90

At this year's Dayton Hamvention, many thousands of radio amateurs were exposed to the radio amateur satellite service and AMSAT. During the world famous event in which over 35,000 hams participated, over $21,000 was donated to AMSAT. This is taken as a significant expression of support for the MICROSATs and AMSAT's SAREX-II activities. In addition, over 190 hams either became new AMSAT members or renewed their existing membership.

Throughout the weekend, there was always a major traffic jam in front of the AMSAT booth as the friendly AMSAT volunteers worked to answer questions and provide information. All of the volunteers (AA0P, WD0HHU, VK5AGR, N4HY, W5IU, KO5I, W1XT, W3IWI, WA4GSS, K8QKY, K8MU, WA3GOV, WB2IBO, N2QQ, KA8JBA, Martha Sargarovitz, and Barbara Myers) put in long hours to help make this the best Dayton ever for AMSAT.

AMSAT sponsored two forums. AMSAT-NA General Manager and President Doug Loughmiller (KO5I) started things off with a discussion titled: "1990: Year of the Amateur Radio Satellite." At this very well attended forum, Doug presented WD0HHU with a gold watch given to him for his efforts in Kourou, French Guiana during the MICROSAT launch campaign. Doug also talked about where AMSAT has been and what its goals are for the upcoming years.

After Doug, Tom Clark (W3IWI) discussed the Shuttle Amateur Radio Experiment (SAREX) currently planned for mid May. Bill Tynan (W3XO), AMSAT-NA's VP for Manned Operations and news correspondent Roy Neal (N6DUE) further elaborated on the SAREX mission and what it means for hams and school age youngsters all over the world.

Finally, Bob McGwier (N4HY) gave a complete run-down on the MICROSATs. Bob stated that he and Harold Price (NK6K) plan to have all the MICROSAT mailbox BBS software working by Field Day '90. Also, the next time you hear DOVE-OSCAR-17 (DO-17) on two meters, it will not only be sending packets but also voice transmissions.

During the Saturday evening banquet, N4HY was honored for his many technical contributions to amateur radio by having the "Technical Excellence Award" bestowed upon him by the Dayton Amateur Radio Association.

AMSAT-NA VP for Field Operations, Jack Crabtree (AA0P), coordinator of this year's AMSAT Dayton Hamvention volunteers, wants to thank all those who came by the booth at Dayton. Next year Jack hopes to have an even bigger AMSAT showing at the Hamvention, including an AMSAT dinner banquet.

/EX
SB ALL @ AMSAT $ANS-125.02
WEBERWARE 1.0 NOW AVAILABLE

HR AMSAT NEWS SERVICE BULLETIN 125.02 FROM AMSAT HQ
SILVER SPRING, MD MAY 5, 1990
TO ALL RADIO AMATEURS BT

Weberware 1.0 Imaging Software Now Available To Process WO-18 Pictures

Beta testing of Weberware 1.0 (WW 1.0) is complete their testing and it is now released for general distribution. This unique package made its debut at the Dayton Hamvention last week. Many a radio satellite enthusiast was thrilled as an actual picture captured from WEBERSAT-OSCAR-18 (WO-18) was processed on an IBM PC as they watched. Chris Williams (WA3PSD) of Weber State University (WSU) said that although the early pictures from WO-18 were perhaps not all that interesting, now that the ground controllers at WSU have a better understand of this MICROSAT's attitude motion, they have modified the on-board software so that more pictures of the earth are now being snapped. In addition, the software now maintains better control the CCD camera iris settings and settling time. Through more operational experience, many more exciting pictures of the earth are expected soon.

Weberware 1.0 is designed to work on IBM PC clones which support EGA or VGA graphics. WO-18 is constantly sending picture data and the imaging data can be easily collected with a PSK modem. For further information about Weberware 1.0, contact the AMSAT-NA software exchange at (301) 589-6062.

/EX
SB ALL @ AMSAT $ANS-125.03
UOSAT-OSCAR-14 STATUS

HR AMSAT NEWS SERVICE BULLETIN 125.03 FROM AMSAT HQ
SILVER SPRING, MD MAY 5, 1990
TO ALL RADIO AMATEURS BT

New Software Being Uploaded Into UO-14

The past several weeks have seen 9600 baud packet activity begin through UO-14's Packet Communication Experiment (PCE). This week a much more sophisticated multi-tasking operating system, known as qcF, was installed in several stages. The first stage involved the multi-tasking kernal and the Prototype Housekeeping Task (PHT). The PHT greatly facilitates the loading of software into the RAM memory of UO-14. This new software also allows ground stations to digipeat through the PCE. Many stations have been using this digipeating capacity of UO-14 to test their 9600 baud modems. Also added to the PHT software is the telemetry support for the Cosmic Particle Experiment (CPE). The CPE continuously monitors cosmic particle activity and the observations are reported in 53 bytes of data in the telemetry every five minutes.

To complete the final software load to UO-14 so that its mailbox BBS will be in operation, a great deal more work needs to be done. The software which performs the BBS functions include a file server system, the AX.25 packet handling algorithms, and more telemetry development to handle the Whole Orbit Data (WOD) tasks. A major programming milestone was reached on April 27 when a partial load of the final flight software was loaded into UO-14. Software engineers NK6K, G0/K8KA, and WB6YMH are working very diligently on both sides of the Atlantic to get the message store-and-forward software completed soon.

[ANS would like to thank G0/K8KA for providing the information for this bulletin.]

/EX
SB ALL @ AMSAT $ANS-125.04
SAREX-II INFORMATION, PART I

HR AMSAT NEWS SERVICE BULLETIN 125.04 FROM AMSAT HQ
SILVER SPRING, MD MAY 5, 1990
TO ALL RADIO AMATEURS BT

Shuttle Amateur Radio Experiment (SAREX) Set To Fly On May 16, 1990

STS-35 is now scheduled to lift-off on May 16, 1990. It will be carrying not only the ASTRO-1 experiment but also SAREX-II. The following is a discussion of the goals of SAREX-II by NASA and the ARRL.

SAREX-II is a secondary payload on STS-35, currently scheduled for launch on May 16, 1990. It will be located in the Aft Flight Deck of the Space Shuttle Columbia. Ron Parise, WA4SIR, the Payload Specialist and astronomer on Columbia will be the Astronaut ham operator.

SAREX-II-02 is a secondary payload on STS-37, currently scheduled for launch on November 1, 1990. It will be located in the Aft Flight Deck of the Space Shuttle Atlantis. Ken Cameron, KB5AWP, the pilot of Atlantis will be the Astronaut ham operator.

The American Radio Relay League (ARRL) is the customer on the SAREX-II payloads. NASA gave its authorization for SAREX operations for the following reasons:

> To encourage our youth to become excited about science and technology, and
>
> To familiarize large numbers of the general public with manned space flight

NASA's intent in making astronauts available for SAREX operations is to involve the largest possible number of people, particularly youngsters, in Amateur Radio and the US space program. With amateur radio clubs and hams, our astronauts will speak over amateur frequencies directly with large groups of students, showing teachers, parents and communities how Amateur Radio energizes youngsters about science, technology, and learning.

You can easily become a part of this activity in your local school, as the astronauts will operate the SAREX equipment in the amateur two meter band. You will be able to send and receive messages via packet for periods of about 12 hours daily. The astronauts' work schedules will determine your chances for a voice or television message, but Ron and Ken may have an hour or more each day for these modes.

The Johnson Space Center's Amateur Radio Club station, W5RRR, in Houston, Texas, will re-transmit astronaut's signals to WA3NAN, at Goddard Space Flight Center, in Greenbelt, MD (near Washington, DC), and to W6VIO, at the Jet Propulsion Laboratory in Pasadena, CA. These stations, plus W1AW and several VHF and UHF repeater groups, will re-transmit the signals on most amateur bands so that you and the students can copy the communications. You will hear NASA Mission Commentary, frequent bulletins to advise listeners of astronaut planned transmissions, and all amateur two-way voice and amateur television transmissions with the shuttles. Using a simple hand-held transceiver, you can open the world of science to hundreds of youngsters. Students themselves can take part in the shuttle flight via a packet connection, and some will even be able to talk directly to the astronauts in orbit.

ARRL and AMSAT are co-sponsoring these exciting missions, with AMSAT heading up technical operations. Hundreds of Amateur Radio operators have already been working behind the scenes for months. The ARRL takes the lead with information and educational support. ARRL Educational Activities Branch (EAB) and NASA HQ will create lesson plans for teachers. All you need to provide is a 2-meter rig or a packet radio setup. If you are a teacher or instructor, contact ARRL EAB to get everything you will need and regular news updates. If you are a parent or a grandparent, contact ARRL EAB and a local school. EAB will send you materials, including ways to convince teachers and school administrators that Amateur Radio is an important discipline the school should take advantage of on a full-time basis.

This a tremendous opportunity for you to showcase SAREX 1990 and amateur radio to kids of all ages in a big way. Plan on being a part of it; contact ARRL EAB now and give your best to our exciting hobby and to our hope for tomorrow: America's youth.

Listen to the ARRL Bulletins on W1AW (see QST for CW and voice bulletins) on a daily basis; and to the AMSAT Nets on Tuesdays (U. S.), 3.840 MHz, 01:30Z to 03:00Z, and on Sundays (international), 14.282 MHz, 18:00Z to 21:00Z, +/- QRM.

[ANS would like to thank ARRL and NASA for this contribution. Stay tuned next week to the ANS bulletins for more details about the STS-35 mission and its amateur radio operations.]

/EX
SB ALL @ AMSAT $ANS-125.05
OPERATIONS NET SCHEDULE, REVISED

HR AMSAT NEWS SERVICE BULLETIN 125.05 FROM AMSAT HQ
SILVER SPRING, MD MAY 5, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times. Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Note that the times of these nets have been advanced slightly from the schedule released last week. Please discard the old schedule and refer to this one when planning to participate in the AMSAT-NA Operations Net.

Date UTC	Time	Phs	Mode	NCS	U.S. Day
13 May 90	0230	104	J/L	N5BF	Saturday
24 May 90	0145	104	J/L	TBD	Wednesday
04 Jun 90	0100	104	J/L	TBD	Sunday
15 Jun 90	0115	104	J/L	N5BF	Thursday
26 Jun 90	0115	144	B	N5BF	Monday

For information on the amateur satellite program and how you can participate, contact AMSAT-NA at P.O. Box 27, Washington, DC 20044, or phone (301) 589-6062, or contact your local AMSAT Area Coordinator.

/EX
SB ALL @ AMSAT $ANS-125.06
PHASE III-D DESIGN MEETING

HR AMSAT NEWS SERVICE BULLETIN 125.06 FROM AMSAT HQ
SILVER SPRING, MD MAY 5, 1990
TO ALL RADIO AMATEURS BT

Preliminary Design Review for New Satellite Held in Germany

Amateurs from around the world who are involved in the Radio Amateur Satellite Service are meeting in Marburg, West Germany from May 7 through May 9 to begin work on another major amateur satellite project. The purpose of the meeting is to set specific design goals for Phase III-D. The three days of meetings will cover a wide range of topics. Areas to be discussed will include: launch opportunities, orbit choices and constraints, transponder choices, antenna design, on-board computer systems, and propulsion systems. In addition to setting hardware and software design goals, equally important discussions will focus on labor division between groups, monetary commitment required, and development of a communication structure between groups involved in the program.

AMSAT-NA will be represented at the meeting by Jan King, W3GEY, VP-Engineering, Bob McGwier, N4HY, Dick Jannson, WD4FAB, and Dick Daniels, W4PUJ. (It appears that these guys just can't seem to grasp the concept of "taking a break").

Once formal design goals have been determined, they will made available through the AMSAT News Service.

/EX

SB ALL @ AMSAT $ANS-125.07
FO-20 SCHEDULE ANNOUNCED

HR AMSAT NEWS SERVICE BULLETIN 125.07 FROM AMSAT HQ
SILVER SPRING, MD MAY 5, 1990
TO ALL RADIO AMATEURS BT

FO-20 to Remain in JA Mode Temporarily

JAMSAT has announced that while software improvements to the Store and Forward Digital BBS on FO-20 are being implemented, the satellite will remain in Mode-JA. The week of April 29 through May 6 is a Holiday in Japan, and it is expected that the software improvements will be finalized and tested during that week.

/EX

SB ALL @ AMSAT $ANS-125.08
NEW AO-13 TRANSPONDER SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 125.08 FROM AMSAT HQ
SILVER SPRING, MD MAY 5, 1990
TO ALL RADIO AMATEURS BT

New Transponder Schedule in Effect After Magnetorquing

Command Stations have been magnetorquing AO-13 during the perigees of orbits this past week. This procedure is essentialy complete and has re-aligned AO-13 for better pointing (squint) angles. A new transponder schedule has been announced by the AO-13 Command Station Team:

AO-13 Transponder Schedule from 05 May 90

Mode-B : MA 000 to MA 100
Mode-JL : MA 100 to MA 125
Mode-LS : MA 125 to MA 130
Mode-S : MA 130 to MA 135
Mode-BS : MA 135 to MA 140
Mode-B : MA 140 to MA 256
Omnis   : MA 220 to MA 040

The best estimate of the current attitude is:

BLON = 180 and BLAT = +3   for 05 May 90

More exact values will be announced soon. Only the Mode-S transponder and the Mode-B beacon will be ON from MA 135 to MA 140.

AO-10 is currently experiencing poor solar panel illumination angles and until further notice its transponder is not available for use.

/EX

Posted: Sun, May 6, 1990   6:13 AM GMT   Msg: MGJA-4251-7561
From: TCLARK
To: is
Subj: SAREX News Bulletins

SB SAREX @ AMSAT < W3IWI $SAREX.001
SAREX Bulletin #1: Concerning logs

SAREX INFORMATION BULLETIN SAREX.001
de W3IWI 5/6/90

The WA4SIR flight aboard the STS-35 flight of the Shuttle Columbia is still officially scheduled for early May 16th (GMT), although there are some hints that it might slip by one day. The SAREX mission will carry the packet ROBOT automatic QSO machine which will allow many amateurs around the world to have two-way packet QSO's with the Shuttle during the times when our ham astronaut, Ron Parise is busy.

To work the ROBOT, you transmit on 144.950 MHz and listen to the Shuttle on 145.550 MHz. Subsequent SAREX information bulletins will give you operating hints and describe the schedule in more detail.

If you are successful in making a two-way QSO, you call and your unique QSO serial number will be automatically logged and you will receive a QSL card after the mission. You will know you met all requirements of a two-way QSO by seeing your call in the QSL beacon which will be sent every 2 minutes and looks something like:

```
    WA4SIR>QSL <UI>:
    NI3F/186 WB2TNL/185 W3IUI/179 WB3AFL/177 NF3N/176 WA3EPT/175
    N4QQ/174 W3IWI/172 JY1/153 U6MIR/127
```

If you are heard by the ROBOT, your call will appear in the QRZ beacon which will look something like:

```
    WA4SIR>QRZ <UI>:
    #3405-NE3H NI3F K1LNJ WB2TNL WB3ILO N3ACL N3FWX WA3TSD WA3USG
    etcetera
```

where the #3405 is a serial number incremented every 2 minutes when the QRZ beacon is sent.

Unlike the QSL "worked" list, the QRZ "heard" list is not retained in the ROBOT and the laptop computer on the shuttle. In order to send SWL cards to those who were heard, it will be necessary to have amateurs around the world help to collect the list. When you are monitoring the WA4SIR SAREX transmissions, try to capture the beacons and send them in to us in machine readable format. We are only interested in the QRZ and QSL beacon information; please strip out everything else (like QSOs monitored, any other beacons, etc.). You may send it through the amateur packet network addressed like this:

SP SAREX @ W3IWI.MD.USA

or via the Internet addressed like:

sarex@tomcat.gsfc.nasa.gov

and make the Subject: field contain the date/time of the beacons like:

May 19 @ 03:42z

/EX
SB SAREX @ AMSAT < W3IWI $SAREX.002A
SAREX Bulletin #2: Hints and Suggestions

SAREX INFORMATION BULLETIN SAREX.002
de W3IWI 5/6/90

Here are several hints that may help you make a successful packet QSO with the SAREX ROBOT that will fly with Ron Parise, WA4SIR in mid-May.

1. Frequencies: Your transmitter uplink frequency should be 144.950 MHz and you should listen for the shuttle downlink 600 kHz higher on 145.550 MHz. Under no conditions should you transmit on the 145.550 downlink!

Since there may be other packet or voice activity in your area on these frequencies, local coordination to insure a clear frequency during the ten day STS-35 mission may be needed.

2. Modulation: The uplinks and downlinks are ordinary AFSK/FM 1200 BPS signals, just like most terrestrial VHF packets. No special modems are needed. You are advised to check your transmitter's FM deviation and set it to 3 kHz or less. Most radios are typically set to 5-6 kHz and this will be too wide because of doppler shifts. If you don't have a deviation meter, listen on another radio and crank the tone level down until you hear the volume drop noticeably. Most people run too much deviation on their packet signals anyway, and you will probably find this improves the reliability on terrestrial paths too!

3. When to hear/work the shuttle: During the mission Keplerian elements and predictions will be sent frequently by WA3NAN, W5RRR, W6VIO, and many local FM repeaters, as well as by packet bulletins addressed to @AMSAT. Check with your local AMSAT area coordinators for information in your area. In general in the USA, the windows are in the late evening and early morning hours. Don't expect the SAREX hardware to be activated until the second day of the ten-day mission. Because the inclination of the shuttle orbit is only 28.5 degrees, the signals can only be heard

between about +43 and -43 degrees latitude.

[continued in part 2]

/EX
SB SAREX @ AMSAT < W3IWI $SAREX.002B
SAREX Bulletin #2: Hints cont'd

SAREX INFORMATION BULLETIN SAREX.002 continued
de W3IWI 5/6/90

4. LISTEN!!!: Most packeteers don't listen to the BRAAAAP! from their radios, but you should listen during the shuttle activity. If Ron is personally available, he may turn off the SAREX packet hardware and be QRV on voice.

5. Connecting to the shuttle: All you do is to issue a connect. If you are heard, you will see something like this:

```
   cmd: CONNECT WA4SIR
   *** Connected to WA4SIR
   #191--- Tnx QSO with the SAREX Shuttle "ROBOT" automatic QSO machine
   *** DISCONNECTED
```

When the ROBOT hears your "ack" of its transmission, it will disconnect and you will be in the log. Because the ROBOT queues information for 3 seconds and sends several replies in one transmission, you should set your DWAIT to about 4 seconds.

6. Multiple QSO's: Once you have worked the ROBOT and make it into the log, no further QSO's from you will be logged (even if you use a different SSID). Give others a chance and don't connect multiple times!

7. Monitor!!!: Every 2 minutes a beacon addressed to QRZ will list stations heard recently, and the QSL beacon will list those worked. Every 3 minutes the Metabeacon (up to 1.7 kbytes in 7 packet frames) addressed to QST will send text describing shuttle activities. Monitor these beacons to keep informed. In Bulletin #1 we ask for you to submit copies of the QRZ and QSL beacons you copy.

8: Your chances for success: Signals from many hundreds of stations can be heard from the shuttle. With FM transmissions, only the strongest signal "wins", just like in a DX pileup. To help, the ROBOT can have up to 9 QSO's in progress at any one time. Perserverance and a well equipped station will help -- but if activity levels are high and the uplink channels are busy, it will be a matter of luck.

/EX

SB SAREX @ AMSAT < W3IWI $SAREX.003
SAREX Bulletin #3: ASTRO-1

SAREX INFORMATION BULLETIN SAREX.003

de W3IWI 5/6/90

Despite all the SAREX activity, our STS-35 ham astronaut Dr. Ron Parise, WA4SIR, is NOT officially going into orbit for the ultimate DXpedition! The reason for the STS-35 mission is to fly ASTRO-1.

With the recent successful STS-31 mission deploying the Hubble Space Telescope (HST) was the first step of an astronomical "double-header". It will be followed in mid-May by the ASTRO-1 mission which will carry a number of specialized telescopes on its 10 day mission. Ron is one of the STS-35's crew of seven which also includes

Vance Brand, Mission Commander
Col. Guy Gardner, Pilot
Dr. Bob Parker and Mike Lounge, Mission Specialists
Drs. Jeff Hoffman, Sam Durrance and Ron Parise, Payload Specialists

The ASTRO-1 Observatory in the STS-35 payload bay consists of four instruments. The first three are mounted on a single pointing systems and fly above the earth's atmosphere to observe in the ultraviolet spectral regions:

1. HUT: The Hopkins Ultraviolet Telescope from Johns Hopkins Univ. is a spectroscopic instrument for observing faint objects like quasars, active galactic nuclei and normal galaxies in the far UV.

2. UIT: The NASA/Goddard Ultraviolet Imaging Telescopy is designed to obtain images (pictures) of hot stars and galaxies with a wide field of view.

3. WUPPE: The Wisconsin Ultraviolet Photo-Polarimeter Experiment is intended to observe the polarization of UV light from quasars, hot stars and galaxies.

This cluster of three UV instruments work together and should make 200-300 observations during the mission.

The fourth instrument is an X-ray experiment with its own independent pointing system:

4. BBXRT: The Broad-Band X-Ray Telescope views high-energy objects like active galaxies and quasars. While BBXRT can be operated independently of the 3 UV instruments, it can be slaved to the UV telescopes for coordinated observations. It is also expected to make 200-300 observations during the mission.

The ASTRO-1 mission is but the first of a series. These and similar instruments will be reflown on later missions. ASTRO requires an orbit with maximum time at night, and minimum exposure to charged particles in the South Atlantic Anomaly -- these requirements dictate a nighttime launch from Cape Kennedy.

/EX

Posted: Thu, May 10, 1990 3:47 AM GMT Msg: CGJA-4255-7711
From: TCLARK
To: is
Subj: SAREX.004: Launch Delay

SB SAREX @ AMSAT < W3IWI $SAREX.004
WA4SIR SAREX/STS-35 LAUNCH DELAYED

SAREX Bulletin SAREX.004
de W3IWI 5/9/90

The flight of WA4SIR with the SAREX hardware aboard the Shuttle Columbia is delayed at least 2 weeks, meaning the flight will be in June at the earliest. The problem is contamination in a valve in one of the two redundant freon cooling systems. All the tubing associated with the valve is sweated together and there is a lot of concern about using torches in the orbiter to fix it on the launch pad. Normally a repair like this would be done in Orbiter Processor Facility, but this would mean a rollback of the Columbia and a long delay which would in turn force a re-scheduling of the mission. Since the valve replacement is not a usual activity, it is not possible to predict the delay. Stay tuned for more information.

The following is excerpted from a 5/9 NASA press release:

NASA managers today decided to replace an apparently faulty valve in the orbiter Columbia's freon coolant loop. The work, will likely delay the launch of STS-35 by 2 to 3 weeks. A better estimate of the time required to perform the work will be available early next week. Shuttle managers assessed the relative risks associated with performing the work at the launch pad, versus in the Orbiter Processing Facility, and decided that completing the replacement and checkout on the pad is as safe and effective.

"We are obviously disappointed that we are not ready to fly," said Space Flight Associate Administrator Dr. William B. Lenoir. "However, this particular system is absolutely critical to the safety of the crew and overall mission success, so we have decided to change the component."
/EX

Posted: Sun, May 13, 1990 12:58 AM GMT Msg: MGJA-4258-6063
From: CDUNCAN
To: is
CC: w1aw
Subj: ANS$132

SB ALL @ AMSAT $ANS-132.01
STS-35/SAREX-II MISSION DELAYED

HR AMSAT NEWS SERVICE BULLETIN 132.01 FROM AMSAT HQ
SILVER SPRING, MD MAY 12, 1990
TO ALL RADIO AMATEURS BT

Payload Cooling Problem Delays STS-35/SAREX-II Mission

NASA managers this week announced that they have decided to delay the launch of STS-35 due to a problem in a freon cooling system designed to keep the temperature of electronic instruments in the ASTRO-1 Observatory payload within safe limits. The repair of the faulty cooling valve in Shuttle Columbia could take up to three weeks depending on if the work can be done at the launch pad. It is hoped that Columbia will not have to be rolled back to the Orbiter Processing Facility for this work. On this STS-35 mission, payload specialist Ron Parise (WA4SIR) will be be the station operator of WA4SIR-1 for the Shuttle Amateur Radio Experiment (SAREX) that will consist of a ROBOT packet station and voice operation on 2 meter FM.

Based on information from NASA press releases, it appears that the STS-35/SAREX mission will not be launched before the first week of June. And that depends on how well this never-done-before repair goes. As soon as ARRL/AMSAT officials have be notified about the new launch date, all pertinent information will be issued immediately via ARRL bulletins, ANS bulletins, and AMSAT Nets.

/EX

SB ALL @ AMSAT $ANS-132.02
AMSAT HF NET SCHEDULES

HR AMSAT NEWS SERVICE BULLETIN 132.02 FROM AMSAT HQ
SILVER SPRING, MD MAY 12, 1990
TO ALL RADIO AMATEURS BT

Numerous Regularly Scheduled AMSAT HF Nets Provide Timely Information

With events occuring so quickly in the world of amateur radio satellites, the quickest place to find information about operational news is on one of the many weekly HF AMSAT Nets. The following is a schedule some of these nets:

DAY	TIME	FREQUENCY	NCS	COMMENT
Sunday	09:00 UTC	14.280 MHz	ZS6AKV	AMSAT-SA Net
Sunday	10:00 UTC	3.685 MHz	VK5AGR	AMSAT Australia
Sunday	19:00 UTC	14.282 MHz	WD0HHU	AMSAT International Net
Sunday	19:00 UTC	21.280 MHz	W8GQW	Simulcasts On AO-13 when in View On 145.955 Mode B
Sunday	23:00 UTC	18.155 MHz	N4QQ	Excellent DX Windows
Tuesday	9:00 P.M. EDT	3.840 MHz	W8GUS	AMSAT East Coast Net
Tuesday	9:00 P.M. CDT	3.840 MHz	W0CY	AMSAT Mid America Net
Tuesday	9:00 P.M. PDT	3.840 MHz	KI6QE	AMSAT West Coast Net
Saturday	15:00 UTC	28.460 MHz	WB2YGA	AMSAT Beginner's Net

Saturday	10:00 UTC	14.280 MHz	PA0DLO	AMSAT European Net
Saturday	22:00 UTC	14.282 MHz	ZL1WN	AMSAT South Pacific Net

In addition to these weekly nets, there are also AMSAT Operations Nets held on AO-13 on a regular basis. The Operation's Net Schedules are published by AMSAT VP of Operations, Courtney Duncan (N5BF). If you are unable to copy any of the above nets, the AMSAT News Service (ANS) bulletins are found on many packet radio BBSs throughout the world. The ANS bulletins contain the latest operational information.

The AMSAT/DRIG land-line BBS contains the not only the current ANS bulletins for the week but also the bulletins for the past several months and other timely information. The AMSAT/DRIG BBS can be reached at (214) 394-7438. Check into the AMSAT Net nearest you and stay up to date in the exciting world of OSCAR satellites.

/EX
SB ALL @ AMSAT $ANS-132.03
MOUSE DRIVER PROBLEM WITH INSTANTTRACK

HR AMSAT NEWS SERVICE BULLETIN 132.03 FROM AMSAT HQ
SILVER SPRING, MD MAY 12, 1990
TO ALL RADIO AMATEURS BT

Microsoft Software Found to Cause Intermittant Problems

Some InstantTrack users have recently discovered a problem where the map "goes away" or "freezes" when they use their mouse. InstantTrack's author Franklin Antonio (N6NKF) has determined that this problem is a result of a conflict with the Microsoft mouse driver [MOUSE.COM] versions 7.00, 7.01, 7.02, and 7.03. Changing to a mouse driver version earlier than 7.00 or later than 7.03 is the cure. An update of InstantTrack is not required to resolve this problem.

Microsoft is aware of the problem, as it occurs with many programs other than InstantTrack. InstantTrack users who are experiencing this problem should contact Microsoft and ask to obtain version 7.04 of MOUSE.COM.

/EX
SB ALL @ AMSAT $ANS-132.04
TELEMETRY ARCHIVE FORMAT ANNOUNCED

HR AMSAT NEWS SERVICE BULLETIN 132.04 FROM AMSAT HQ
SILVER SPRING, MD MAY 12, 1990
TO ALL RADIO AMATEURS BT

OSCAR Telemetry Archive Data Submission Format Announced

Reid Bristor (WA4UPD), AMSAT-NA Microsat Data Archive Manager has released the following information intended to govern submissions to the telemetry archive. Submissions using any file naming convention will be accepted through June 1, 1990 as previously announced. Following that date, files submitted not conforming to the following requirements may be returned for updating by the submitter.

Data is currently being stored within the archive in raw format since this form contains all information and uses the smallest amount of file space. Abbreviated submissions may consist only of raw digital telemetry or CW.

Whole Orbit Data collected from the Microsats to date has been archived; it was collected in single sessions and downlinked repeatedly afterwards. Future WOD reports and all live data, past, present, and future are requested from all satellite listeners.

Reid reports that submissions of and requests for Microsat data are picking up.

DATA SUBMISSION REQUIREMENTS

MEDIA FORMAT:** IBM 5 1/4", 180k,360k,1.2m
IBM 3 1/2", 770k,1.44m
COMMODORE 1541, 1571, 1581
DEC RX01/02, RX50, TK50

FILE FORMAT: 1 file per pass
Filename - mmddhhmm.ssx
mm = Month (02=Feb, 05=MAY, 11=NOV, etc.)
dd = DAY (Correct UTC DAY)
hh = HOUR OF AOS (UTC)
mm = MINUTE OF AOS
ss = SATELLITE NUMBER (17 = DOVE, 19 = LUSAT, etc.)
x = DATA TYPE AS INDICATED

DATA TYPE (x) - A = ASCII (DOVE ascii text, N4HY dump)
C = CW (LUSAT, FO20, AO13, etc.)
P = Processed (N4HY, or LU7ABF, etc.)
R = RAW (KISS format)
T = TELEMETRY
* W = WEBERSAT info

"*" indicates additional characters will be assigned as WEBERSAT PICTURE data matures.

"**" For accomodation of other disk formats, contact WA4UPD.

SUBMIT TO: Reid Bristor, WA4UPD
4535 Deerwood Trail
Melbourne, Florida 32934
Phone (407) 242-0082

/EX
SB ALL @ AMSAT $ANS-132.05
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 132.05 FROM AMSAT HQ
SILVER SPRING, MD MAY 12, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times. Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date UTC	Time	Phs	Mode	NCS	U.S. Day
24 May 90	0145	104	J/L	TBD	Wednesday
04 Jun 90	0100	104	J/L	TBD	Sunday
15 Jun 90	0115	104	J/L	N5BF	Thursday
26 Jun 90	0115	144	B	N5BF	Monday

For information on the amateur satellite program and how you can participate, contact AMSAT-NA at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062, or contact your local AMSAT Area Coordinator.

/EX
SB ALL @ AMSAT $ANS-132.06
NEW AO-13 TRANSPONDER SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 132.06 FROM AMSAT HQ
SILVER SPRING, MD MAY 12, 1990
TO ALL RADIO AMATEURS BT

New Transponder Schedule in Effect After Magnetorquing

Command Stations have completed magnetorquing of AO-13 during the perigees of recent orbits. This procedure is essentialy complete and has re-aligned AO-13 for better Sun angles. The new transponder schedule has been announced by the AO-13 Command Station Team:

AO-13 Transponder Schedule from 05 May 90

Mode-B : MA 000 to MA 100
Mode-JL : MA 100 to MA 125
Mode-LS : MA 125 to MA 130 (Mode S Beacon only)
Mode-S : MA 130 to MA 135
Mode-BS : MA 135 to MA 140
Mode-B : MA 140 to MA 256
Omnis : MA 220 to MA 040

The best estimate of the current attitude is:

BLON = 180 and BLAT = +3   for 05 May 90

More exact values will be announced soon. Only the Mode-L transponder and the Mode-S beacon will be on from MA 125 to MA 130. Cross mode B and S QSOs are possible during MA 135 to 140.

AO-10 is currently experiencing poor solar panel illumination angles and until further notice its transponder is not available for use.

/EX
SB ALL @ AMSAT $ANS-132.07
FO-20 ELEMENT SET PROBLEMS NOTED

HR AMSAT NEWS SERVICE BULLETIN 132.07 FROM AMSAT HQ
SILVER SPRING, MD MAY 12, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NAs Orbital Data Manager, Dick Campbell, N3FKV has been informed by Tak Okamoto of JAMSAT that the NASA elements for FO-20 are in error. It appears that NORAD is tracking another vehicle launched with MOS-1B and FO-20 (called DEBUT). This vehicle is about 2.75 minutes behind FO-20 and the elements from NASA appear to be for this spacecraft. The current elements being distributed for FO-20 are valid if approximately 2.5-3.0 minutes are added to the user's clock, which should be acceptable in most cases. Dick is working to resolve this element set problem.

Dissemination of this information to FO-20 users will be appreciated.

/EX

Posted: Sun, May 20, 1990   3:42 AM GMT   Msg: NGJA-4265-5154
From: TCLARK
To: is
Subj: SAREX.005 Bulletin

SB SAREX @ AMSAT < W3IWI $SAREX.005
SAREX/WA4SIR flight May 30th

SAREX Bulletin SAREX.005
de W3IWI May 19, 1990

AMSAT has received word that launch of the Shuttle Columbia STS-35 mission with Ron Parise, WA4SIR and the SAREX amateur radio hardware may now take place as early as Wed. May 30 at 04:38z. A flight readiness review that will confirm the launch date is planned for Thurs. May 24.

The NASA launch status report issued 14:30z on Friday, May 18th from

Cape Kennedy reports:

STS-35 - COLUMBIA (OV 102) - PAD 39-A

"A new flow proportional valve was successfully installed in Columbia's freon cooling system. A leak check of the freon cooling system pump is planned today. Later today, vacuuming of the system will begin and will continue through the weekend. Early next week, the system will be filled with refrigerant and tested. Repair work and associated testing of the freon cooling system is estimated to be complete by next week."

"Payload officials are continuing to monitor the status of the Astro payload. The Broad Band X-ray Telescope, one of the Astro-1 telescopes, was serviced with argon yesterday."

"Pre-launch activities scheduled this weekend include the installation of ordnance devices, pressurization of the orbiter's hypergolic propellant tanks and loading the dewars, or storage tanks, on the pad's structure with liquid oxygen and liquid hydrogen reactants. During the launch countdown, the orbiter's fuel cell storage tanks will be loaded from these dewars."

Based on an 04:38z launch, the following preliminary Keplerian elements have been supplied by W5RRR at the NASA Johnson Space Center. First the "2-liner" element set JSC-0011:

```
STS-35
1 00035U          90150.24513889  .00031000           22174-3 0   110
2 00035  28.4690 148.3930 0005720 246.6067 119.6564 15.71792660    20
```

And the same data in the longer "AMSAT standard" format:

```
Satellite: STS-35
Epoch time:      90150.24513889
Element set:     JSC-0011
Inclination:       28.4690 deg
RA of node:       148.3930 deg
Eccentricity:    0.0005720
Arg of perigee:   246.6067 deg
Mean anomaly:     119.6564 deg
Mean motion:   15.71792660 rev/day
Decay rate:       3.1e-04  rev/day^2
Epoch rev:            2
```

/EX

Posted: Sun, May 20, 1990   6:16 AM GMT   Msg: HGJA-4265-5204
From: CDUNCAN
To: is
CC: w1aw

Subj: ANS$139

SB ALL @ AMSAT $ANS-139.01
ZRO TEST SCHEDULE ANNOUNCED

HR AMSAT NEWS SERVICE BULLETIN 139.01 FROM AMSAT HQ
SILVER SPRING, MD MAY 19, 1990
TO ALL RADIO AMATEURS BT

Station Receiving Tests Schedule Announced

The ZRO Memorial Technical Achievement Award Program, or "ZRO Test" will be reactivated in late May following the mid-May reorientation of AMSAT-OSCAR-13. This activity is a test of operating skill and equipment performance.

During a typical ZRO run, a control station will send numeric code groups using CW at 10 words-per-minute. At the beginning of the run, uplink power from the control station is set so that the downlink matches the general beacon downlink strength. This is level "zero". The control operator will send and repeat a random five-digit number, then lower uplink power by 3 dB (half power) and repeat the procedure with a new random number. This pattern is repeated until a level 27 dB below the beacon is reached (level "nine").

A participating listener monitors the downlink signals until they can no longer copy the numbers. Those who can hear the beacon will qualify for the basic award by copying the code group heard at level "zero". The challenge is to improve receiving station performance to a point where the lower level downlink signals can be copied (levels 6 through 9).

The following schedule of Mode "B" and "JL" ZRO tests were chosen for convenient operating times and favorable squint angles. The "B" tests can be heard on 145.840 MHz and the "JL" tests on 435.945 MHz.

Saturday May 26, 1990 at 2230 UTC "JL"
Sunday May 27, 1990 at 0010 UTC "B"
Sunday June 03, 1990 at 0210 UTC "JL"
Sunday June 03, 1990 at 0350 UTC "B"
Saturday June 16, 1990 at 2200 UTC "JL"
Saturday June 16, 1990 at 2340 UTC "B"
Saturday June 30, 1990 at 1840 UTC "JL"
Saturday June 30, 1990 at 1930 UTC "B"

Any changes will be announced as soon as possible via the AMSAT HF and AO-13 Operations Nets. Recently updated ZRO brochures are available from WA5ZIB, Andy MacAllister, AMSAT V.P. User Operations, 14714 Knightsway Drive, Houston, TX 77083 for an S.A.S.E. with two units of postage. The brochure describes test procedures and means for obtaining certificates and gives some historical background about the program.

All listener reports with date of test and numbers copied should be sent to WA5ZIB at the address above. A report will be returned verifying the level of accurate reception. Good luck!

/EX
SB ALL @ AMSAT $ANS-139.02
PHASE 3A REMEMBERED, PART I

HR AMSAT NEWS SERVICE BULLETIN 139.02 FROM AMSAT HQ
SILVER SPRING, MD MAY 19, 1990
TO ALL RADIO AMATEURS BT

PHASE 3A Lost Ten Years Ago May 23, 1980, Part I

Next Wednesday marks the tenth anniversary of the death of an OSCAR -- an OSCAR which had all the potential of being a great satellite. On May 23, 1980 Phase 3A sat atop the Ariane launch vehicle known as LO-2, attach sideways to the huge Max Planck Institute's Firewheel experiment (See ORBIT June/July '80, pg 9). On that day optimism was running high at the European Space Agency's Kourou, Fr. Guianna launch center because of a previous launch success, and there was no reason to think that LO-2 wouldn't be equally successful. For those who are straining to remember, AMSAT President Tom Clark (W3IWI) was giving the "play-by-play-action" from the Goddard Space Flight Center (GSFC) radio club station, WA3NAN, to radio amateurs around the world through the AMSAT Launch Information Net/Service (ALINS). The launch window opened at 11:30 UTC; because of intermittent rain showers and minor equipment malfunctions "holds" were common during the first hours of the launch window. Finally, the LO-2 vehicle lifted off at 14:29:40 UTC. At this point thousands of hams were holding their breaths as FY7KRU and WA3NAN provided the commentary on the last few moments Phase 3A's short life: at 14:32:57 UTC French controllers were heard saying things like: "non-nominal flying...problem in one engine...the rocket is going down...Kourou radar still tracking" and finally, the worst shock of all, the word "splashdown" was uttered. Phase 3A never reached orbit and the greatness it was destined for. Jan King, holding back tears, summed it up shortly after the launch failure when he said that "the [radio amateur] community will never know what they lost today."

/EX
SB ALL @ AMSAT $ANS-139.03
PHASE 3A, REMEMBERED PART II

HR AMSAT NEWS SERVICE BULLETIN 139.03 FROM AMSAT HQ
SILVER SPRING, MD MAY 19, 1990
TO ALL RADIO AMATEURS BT

Phase 3A Lost Ten Years Ago May 23, 1980, Part II

Jan, Tom, and many of the volunteers who had helped build Phase 3A listened with great sadness as they realized that the focus of many thousands of hours of effort (Jan estimated 30 man years!) was now sitting at the bottom of the Atlantic. Jan recently related the events of that day to WD0HHU saying that upon realizing what had happened he flung a very large book across the room and shouted something appropriate at the top of his lungs. Now, however, he says he doesn't recall what he said -- it is all a "blurr." It should be noted that Jan and the other volunteers were not very far from the tiny little building on the GSFC grounds where Phase 3A was built, integrated, and tested.

According to Tom Clark, "the gloom, despair, and depression lasted for about a day" when Jan and Karl Miezer (DJ4ZC) were heard saying: "Darn it! We worked to hard to quit now. Lets try again. Lighting can't strike twice." At that point Tom wrote to all the AMSAT members requesting their moral and financal support in order to start Phase 3B. The reponse was immediate: over $30,000 was raised in a few months to start the construction of Phase 3B. This unequivocal show of support proved that radio amateurs from around the world wanted to see the AMSAT OSCAR satellite program continue. Recovering quickly from this disaster, AMSAT volunteers realized they still had the knowledge and know-how to build another OSCAR satellite and another: Phase 3B became AO-10, and later, Phase 3C became AO-13.

This week, May 23, 1990, one decade later, take a moment to think about Phase 3A, at 14:36:38 UTC when mission controllers in Kourou announced a "splashdown."

/EX
SB ALL @ AMSAT $ANS-139.04
UO-14 9600 BAUD UPDATE

HR AMSAT NEWS SERVICE BULLETIN 139.04 FROM AMSAT HQ
SILVER SPRING, MD MAY 19, 1990
TO ALL RADIO AMATEURS BT

TNC operations at 9600 bps

Jeff Ward G0/K8KA and other members of the University of Surrey Engineering Team have recently been experimenting with 9600-baud operation using KISS software on TNC-2 clones. The clones used are a Pac-Com TINY-2 and an MFJ 1270. Initially, a version of KISS dated "26 Mar 87" was used but it was found that this version did not work very well for near-full-duplex 9600-baud KISS operation.

Jeff et. al. upgraded the firmware in the TNCs to a version of KISS dated "20 Mar 88". They found that operating on either the Pac-Com or the MFJ TNC with the updated KISS firmware will correctly receive a continuous stream of 9600 baud packets and relay them to the host computer at 9600 baud. The TNC did not seem to drop packets, even when operating at the 2 MHz standard clock speed. It is believed that this is the version of KISS which shipped with the current TAPR firmware version 1.1.7.

Jeff reports that, unfortunately, with a 9600 baud synchronous input stream and a 9600 baud asynchronous output stream, the TNC's buffers begin to fill up. When the buffer fills (after a minute or so), the TNC crashes. An extra long packet is passed to the host, and operation (on the async side) ceases. You can cure this by turning the async link up to 19.2 kbps - if your host hardware and software can keep up.

Recently, the UoS Engineering Team received a version of KISS firmware dated "11 Dec 89". This version seems not to crash when presented with a continuous 9600 baud input stream and 9600 baud async speed. A setup running this code ran successfully for a number of hours. Unfortunately, this version of the firmware cannot keep up with the input stream unless the TNC clock rate is increased to 4 MHz. If a 2 MHz clock is used, approximately 50% of the packets on a BTTW 9600 baud downlink will be missed.

Jeff concludes: "Get KISS dated "11 Dec 89" or later, jump your TNC-2 clock rate up (using JMP2), and wait for further entertainment as we try full-duplex, full-duty cycle 9600 baud connected mode in a month or so."

[AMSAT thanks Jeff Ward G0/K8KA for the information for this bulletin]

/EX
SB ALL @ AMSAT $ANS-139.05
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 139.05 FROM AMSAT HQ
SILVER SPRING, MD MAY 19, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times. Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date UTC	Time	Phs	Mode	NCS	U.S. Day
24 May 90	0145	104	J/L	WB9ANQ	Wednesday
04 Jun 90	0100	104	J/L	N5BF	Sunday
15 Jun 90	0115	104	J/L	N5BF	Thursday
26 Jun 90	0115	144	B	N5BF	Monday

For information on the amateur satellite program and how you can participate, contact AMSAT-NA at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062, or contact your local AMSAT Area Coordinator.

/EX
SB ALL @ AMSAT $ANS-139.06
AO-13 TRANSPONDER SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 139.06 FROM AMSAT HQ
SILVER SPRING, MD MAY 19, 1990
TO ALL RADIO AMATEURS BT

Transponder Schedule for AO-13 Effective 05MAY90

The present transponder schedule for AO-13 is as follows:

Mode-B : MA 000 to MA 100
Mode-JL : MA 100 to MA 125
Mode-LS : MA 125 to MA 130 (Mode S Beacon only)

Mode-S : MA 130 to MA 135
Mode-BS : MA 135 to MA 140
Mode-B : MA 140 to MA 256
Omnis : MA 220 to MA 040

The best estimate of the current attitude is:

BLON = 180 and BLAT = +3 for 05 May 90

More exact values will be announced soon. Only the Mode-L transponder and the Mode-S beacon will be on from MA 125 to MA 130. Cross mode B and S QSOs are possible during MA 135 to 140.

AO-10's Mode-B Transponder Now Available for Use:

AMSAT-OSCAR-10 appears to be receiving sufficient solar panel illumination to support Mode-B transponder operations, therefore, the transponder is available for general use whenever AO-10 is in view at your location. Please DO NOT use the transponder if the signals are FMing. The current estimate of AO-10's attitude is LON 24 deg LAT -9 deg.

[AO-10 update received from Graham Ratcliff, VK5AGR, via AO-13 beacons.]

/EX

Posted: Wed, May 23, 1990 3:47 AM GMT Msg: GGJA-4268-4161
From: TCLARK
To: is
Subj: SAREX.006 & .007 Bulletins

SB SAREX @ AMSAT < W3IWI $SAREX.006
SAREX Btn #6: WA4SIR-? Call Clarification

SAREX BULLETIN SAREX.006
de W3IWI May 23,1990

Concerning the WA4SIR-? call for SAREX ROBOT operations: In the articles in the AMSAT JOURNAL and 73 MAGAZINE, it was indicated that the SAREX ROBOT would use the call WA4SIR-1 (i.e. using a SSID = 1), and in more recent SAREX @ AMSAT packet bulletins it was indicated that the call would just be just WA4SIR (i.e. SSID = 0); several people sent messages indicating that they were confused.

Both the HK21 ROBOT TNC and the operational software for the GRID laptop computer have the calls defaulted to WA4SIR (SSID = 0) and that call should be used unless, for some unanticipated reason, the defaults are over-ridden.

The best advice is for you to MONITOR the downlink signals from STS-35 and use whatever call you see on the downlink. The ROBOT TNC code uses only one

SSID at a time.

/EX
SB SAREX @ AMSAT < W3IWI $SAREX.007
SAREX Btn #7: Some comments on timers

SAREX BULLETIN SAREX.007
de W3IWI May 23,1990

This note is to give you some additional information on timers involved in sequencing ROBOT packet transmissions.

Because the WA4SIR SAREX ROBOT will be bombarded with signals from tens or hundreds of ground-based users when STS-35 is flying over populated areas, it is not possible for the ROBOT TNC and radio to use normal half-duplex packet procedures -- the CD (carrier detect) signal will simply never drop!

The ROBOT will be running in a modified full-duplex mode. When the ROBOT copies a valid packet frame (or when it is time to send a beacon), the data to be sent is put into a buffer and a timer (which we call the FUDtimer) is started. The ROBOT firmware then queues all other outgoing transmissions in the buffer until FUDtimer expires (3 seconds later), and all downlink frames in the queue are sent in one long transmission. Many who had QSOs with the SAREX demo station at the AMSAT or HEATH booths at Dayton commented on how sluggish the 3 second FUDtimer seemed to be when compared to normal packet operations.

Since the SAREX handheld radio cannot receive when it is transmitting, users should insure that they remain silent and listen when the shuttle is transmitting. In other words, DO NOT RUN FULL DUPLEX ON THE GROUND! Leave your TNC in half-duplex mode (FULLDUP OFF) with CD active just like you do for normal VHF packet operations.

However you should be careful with the setting of two of your TNC's timers -- DWAIT and FRACK. DWAIT is the time interval after your Carrier Detect light goes out and before your transmitter turns on. You want to make sure your connects requests and acks are contained in the 3 second FUDtimer window. If everybody runs the same DWAIT (like the typical 0.1 - 0.5 second values used for terrestrial packet), then everybody will be transmitting at the time. Part of the key to your success when uplink QRM is heavy is to pick a DWAIT that nobody else is using!

FRACK sets the time interval between your transmissions. After you send a frame, your TNC waits for the FRACK time, and then waits for the Carrier Detect signal to drop, then waits DWAIT, and then tries again. You should make sure your FRACK is at least 3 seconds so that you are not transmitting when the ROBOT's FUDtimer decides it is time for it to transmit -- if you are transmitting at the same time, you will miss any packets the shuttle is addressing to you and you won't have a successful QSO.

Note that your DWAIT (how soon do I transmit?) and FRACK (then how long do I wait?) parameters and the need to stop transmitting so you can hear a reply are just like you encounter when working a DXpedition pileup on HF. If the DX station has a pattern of listening for a few seconds (=FUDtimer) before transmitting, you may have better luck being the LAST station he hears, after the din dies down. The differences are that (1) the ROBOT is a computer and is very predictable and (2) the ROBOT can be working several stations at one time.

WA4SIR's SAREX mission on STS-35 is the ultimate DXpedition!
/EX

Posted: Fri, May 25, 1990 3:03 AM GMT Msg: LGJA-4270-7634
From: TCLARK
To: is
Subj: SAREX.008: NASA SETS LAUNCH DATE

SB SAREX @ AMSAT < W3IWI $SAREX.008
SAREX Btn 8: NASA Announces Launch Date

SAREX Bulletin AREX.008
de W3IWI May 24,1990

Late this afternoon NASA released the following announcement concerning next week's launch of the Shuttle Columbia with WA4SIR and the SAREX hardware:

"STS-35 FLIGHT READINESS REVIEW STATEMENT 5/24/90 5:10P.M. EDT"

NASA managers today set May 30 as the launch date for Shuttle Mission STS-35 which will carry the Astro-1 payload into orbit. Columbia will be launched during a window that opens at 12:38 a.m. EDT and extends for 2 1/2 hours. The mission is scheduled to last 10 days. Landing is set for 4:24 p.m. PDT on June 8."

The May 30 at 12:38 AM EDT = 04:38z launch window is the same as was indicated in our SAREX.005 bulletin released May 20th. That bulletin contains the predicted Keplerian element set JSC-0011 which will apply for a nominal launch at the time the window opens.

We plan to circulate a bulletin this weekend (probably SAREX.009) which will contain a more detailed time-line for the SAREX activities.
/EX

Posted: Sun, May 27, 1990 3:02 AM GMT Msg: HGJA-4272-3958
From: TCLARK
To: is
CC: sarex
Subj: SAREX.009 Bulletin: Operating Schedule

SB SAREX @ AMSAT < W3IWI $SAREX.009
SAREX Btn 9: Operations Timeline

SAREX Bulletin SAREX.009
de W3IWI May 27, 1990

This table details planned events for Ron Parise, WA4SIR's SAREX activities on the STS-35 mission of the Shuttle Columbia. The tabular entries are given in both Mission Elapsed Time (MET) and UTC (GMT) time. If the launch is delayed from May 30th at 04:38z, the all UTC times should be adjusted accordingly. All times are approximate and should only be used for guidance.

In general Ron's voice opportunities for scheduled demonstrations all take place during the pre-sleep and post-sleep periods. The planned classroom demonstrations to be relayed via Australia and Brazil are denoted by the (VK) and (PY) windows. Any time Ron might choose to try general voice operation should also be during the pre- and post-sleep windows. Ron must also eat and take care of personal matters during these pre- and post-sleep periods.

SAREX ROBOT packet operations are planned for the approximately 12 hour windows between the post- and pre-sleep while Ron is on duty with the ASTRO experiments.

UTC DATE	FROM HH:MM	-TO- HH:MM	MISSION ELAPSED TIME DAY FROM # HH:MM	DAY -TO- # HH:MM	ACTIVITY
30-May	04:38		0d+00:00		NOMINAL LAUNCH
30-May	15:08	15:38	0d+10:30	0d+11:00	Pre-Sleep, no activity
30-May	23:38	02:23	0d+19:00	0d+21:45	Post-Sleep
30-May	23:38	01:18	0d+19:00	0d+20:40	Setup SAREX
31-May	01:03	01:18	0d+20:25	0d+20:40	Demo #0 (VK)
31-May	01:23	14:58	0d+20:45	1d+10:20	SAREX ROBOT
31-May	14:58	16:38	1d+10:20	1d+12:00	Pre-Sleep
31-May	14:58	15:08	1d+10:20	1d+10:30	Demo #1 (PY)
01-Jun	01:00	01:53	1d+20:22	1d+21:15	Post-Sleep
01-Jun	01:53	13:38	1d+21:15	2d+09:00	SAREX ROBOT
01-Jun	13:13	15:08	2d+08:35	2d+10:30	Pre-Sleep
01-Jun	13:48	14:03	2d+09:10	2d+09:25	Demo #2 (PY)
01-Jun	23:08	00:38	2d+18:30	2d+20:00	Post-Sleep
02-Jun	00:18	00:38	2d+19:40	2d+20:00	Demo #3 (VK)
02-Jun	00:38	12:33	2d+20:00	3d+07:55	SAREX ROBOT
02-Jun	12:30	14:08	3d+07:52	3d+09:30	Pre-Sleep
02-Jun	12:38	12:48	3d+08:00	3d+08:10	Demo #4 (PY)
02-Jun	22:08	23:38	3d+17:30	3d+19:00	Post-Sleep
02-Jun	23:08	23:28	3d+18:30	3d+18:50	Demo #5 (VK)

```
02-Jun 14:38 - 11:33 | 3d+10:00 - 4d+06:55 | SAREX ROBOT
03-Jun 11:18 - 13:08 | 4d+06:40 - 4d+08:30 | Pre-Sleep
03-Jun 13:03 - 13:18 | 4d+08:25 - 4d+08:40 | Demo #6 (PY)
                     |                     |
03-Jun 21:08 - 22:53 | 4d+16:30 - 4d+18:15 | Post-Sleep
03-Jun 21:53 - 22:13 | 4d+17:15 - 4d+17:35 | Demo #7 (VK)
03-Jun 22:38 - 10:38 | 4d+18:00 - 5d+06:00 | SAREX ROBOT
04-Jun 10:23 - 12:38 | 5d+05:45 - 5d+08:00 | Pre-Sleep
04-Jun 11:58 - 12:08 | 5d+07:20 - 5d+07:30 | Demo #11 (PY)
                     |                     |
04-Jun 21:38 - 21:58 | 5d+17:00 - 5d+17:20 | Post-Sleep
04-Jun 21:58 - 10:38 | 5d+17:20 - 6d+06:00 | SAREX ROBOT
05-Jun 10:23 - 12:38 | 6d+05:45 - 6d+08:00 | Pre-Sleep
05-Jun 12:18 - 12:33 | 6d+07:40 - 6d+07:55 | Demo #8 (PY)
                     |                     |
05-Jun 20:38 - 21:15 | 6d+16:00 - 6d+16:37 | Post-Sleep
05-Jun 21:08 - 10:43 | 6d+16:30 - 7d+06:05 | SAREX ROBOT
06-Jun 10:38 - 11:38 | 7d+06:00 - 7d+07:00 | Pre-Sleep
                     |                     |
06-Jun 19:38 - 22:28 | 7d+15:00 - 7d+17:50 | Post-Sleep
06-Jun 19:58 - 20:18 | 7d+15:20 - 7d+15:40 | Demo #9 (VK)
06-Jun 21:38 - 21:58 | 7d+17:00 - 7d+17:20 | Demo #10 (VK)
06-Jun 22:08 - 09:23 | 7d+17:30 - 8d+04:45 | SAREX ROBOT
                     |                     |
07-Jun 09:23         | 8d+04:45            | QRT & Stow Hardware
07-Jun 19:33         | 8d+14:55            | Begin De-Orbit
```

This material was compiled by W3IWI with inputs from W3XO, WA4SIR and W5DID. It is provided for guidance only and is in no way an offical list.

Check your local packet BBS for bulletins addressed to SAREX @ AMSAT and listen to WA3NAN, W5RRR and W6VIO for updates during the mission.
/EX

Posted: Sun, May 27, 1990   4:16 AM GMT   Msg: NGJA-4272-4062
From: CDUNCAN
To: is
CC: w1aw, bpasternak
Subj: ANS$146

SB ALL @ AMSAT $ANS-146.01
SAREX-2/STS-35 LAUNCH SET

HR AMSAT NEWS SERVICE BULLETIN 146.01 FROM AMSAT HQ
SILVER SPRING, MD MAY 26, 1990
TO ALL RADIO AMATEURS BT

STS-35/SAREX-2 Planned Lift-off Set For May 30, 1990 04:38:00 UTC

This week, NASA officals informed AMSAT and the ARRL that the planned lift-off of the Shuttle Columbia carrying the Shuttle Amateur Radio Experiment (SAREX) is now planned for Wednesday, May 30, 1990 at 04:38:00 UTC. PLEASE NOTE: this is Wednesday morning, 12:38 A.M. EDT in the U.S. Payload Specialist Ron Parise (WA4SIR) will be the control station operator during the ten day mission. The SAREX payload will consist of a ROBOT packet radio station which will use the call WA4SIR. Also, Ron will be operating 2 meter FM voice when his work schedule permits. Stations wishing to connect to WA4SIR will receive a QSO number which they can use to verify their contact when they send in their QSL card. QSL'ing will be handled by the ARRL. Cards may be sent to the American Radio Relay League, 225 Main Street, Newington, CT, 06111. Please include a s.a.s.e. with your QSL card.

/EX
SB ALL @ AMSAT $ANS-146.02
STS-35 PRELIMINARY ELEMENTS

HR AMSAT NEWS SERVICE BULLETIN 146.02 FROM AMSAT HQ
SILVER SPRING, MD MAY 26, 1990
TO ALL RADIO AMATEURS BT

STS-35/SAREX-2 Preliminary Orbital Elements & Packet/Voice Frequencies

On Wednesday, May 30, 1990, 04:38:00 UTC the Shuttle Columbia is scheduled to lift-off from Cape Canaveral carrying the Shuttle Amateur Radio Experiment (SAREX). As part of the crew, Ron Parise (WA4SIR) will be aboard with the capability to work 2M FM voice and packet radio. The primary frequencies which will be used for both operations will be a simple 600 kHz repeater split of 145.550/144.950 MHz.

The following is the best set of orbital elements available at press time from NASA for the STS-35 mission.

```
STS-35
1 00035U          90150.24513889  .00031000           22174-3 0   110
2 00035  28.4690 148.3930 0005720 246.6067 119.6564 15.71792660    20
```

And the same data in the longer "AMSAT standard" format:

```
Satellite: STS-35
Epoch time:      90150.24513889
Element set:     JSC-0011
Inclination:       28.4690 deg
RA of node:       148.3930 deg
Eccentricity:    0.0005720
Arg of perigee:   246.6067 deg
Mean anomaly:     119.6564 deg
Mean motion:   15.71792660 rev/day
Decay rate:       3.1e-04  rev/day^2
Epoch rev:            2
```

For updates on the orbital elements for STS-35 throughout the ten day mission, stay tuned to WA3NAN, W5RRR, W6VIO, AMSAT Nets, and ARRL bulletins.

/EX

SB ALL @ AMSAT $ANS-146.03
SAREX FREQUENCY LISTING

HR AMSAT NEWS SERVICE BULLETIN 146.03 FROM AMSAT HQ
SILVER SPRING, MD MAY 26, 1990
TO ALL RADIO AMATEURS BT

Downlink/Uplink Frequencies to be used on Upcoming Mission

Get out your HTs and HT programming manuals. You will want to program your 2 meter FM transceivers with the following information.

	Shuttle TX Freq	Shuttle RX Freq	
North/South American Frequencies	145.55 MHz	144.95 MHz	*** Primary ***
	"	144.91 MHz	
	"	144.97 MHz	
Remainder of the World Frequencies	145.55 MHz	144.95 MHz	*** Primary ***
	"	144.70 MHz	
	"	144.75 MHz	
	"	144.80 MHz	
	"	144.85 MHz	

These are the frequencies Ron Parise (WA4SIR) will use on both voice and packet. Please note that the frequencies where Ron will be listening for stations ARE DIFFERENT than the one he will transmit on. This is a very important fact to understand. Ron will transmit to earth (downlink) on a single frequency: 145.55 MHz. He will listen for stations transmitting to him (uplink) on the other frequencies listed. This "split" operation is used quite successfully by DXers when operating in an environment where large pile ups are expected.

The first pair of frequencies (noted as primary) is a standard 600 KHz split used by repeaters. This pair was selected so that communicating with SAREX could be accomplished by Hams using standard FM transceivers. If Ron finds that the receive QRM becomes unmanageable, he may listen on the alternate frequencies listed. In North America, the lower section of the FM repeater bandplan extends as high as 144.90. This is why the uplink frequencies only extend down to 144.91 MHz.

There will be no simplex operation with SAREX on either voice or packet. Although packeteers are not used to operation with a TX/RX offset, in this case, it is the only way to connect to SAREX. If you transmit on 145.55 MHz the only people who will hear you are those other Hams in your area trying to contact SAREX (You will most likely become an notorious instantly!).

There should be about 3 KHz of Doppler shift due to the orbital velocity of the Columbia spacecraft. By limiting the deviation of your transmitter to 3 KHz, Ron's receiver should have little trouble capturing your signal.

[This information was extracted from an article written by W3IWI, WA4SIR, and W3XO and published in the March 1990 issue of The AMSAT-NA Journal]

/EX
SB ALL @ AMSAT $ANS-146.04
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 146.04 FROM AMSAT HQ
SILVER SPRING, MD MAY 26, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

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Date UTC	Time	Phs	Mode	NCS	U.S. Day
04 Jun 90	0100	104	J/L	N5BF	Sunday
15 Jun 90	0115	104	J/L	N5BF	Thursday
26 Jun 90	0115	144	B	N5BF	Monday

For information on the amateur satellite program and how you can participate, contact AMSAT-NA at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062, or contact your local AMSAT Area Coordinator.

/EX
SB ALL @ AMSAT $ANS-146.05
AO-13 TRANSPONDER SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 146.05 FROM AMSAT HQ
SILVER SPRING, MD MAY 26, 1990
TO ALL RADIO AMATEURS BT

Transponder Schedule for AO-13 Effective 05MAY90

The present transponder schedule for AO-13 is as follows:

```
         Mode-B          : MA 000 to MA 100
         Mode-JL         : MA 100 to MA 125
         Mode-LS         : MA 125 to MA 130  (Mode S Beacon only)
         Mode-S          : MA 130 to MA 135
         Mode-BS         : MA 135 to MA 140
         Mode-B          : MA 140 to MA 256
         Omnis           : MA 220 to MA 040
```

The best estimate of the current attitude is:

BLON = 180 and BLAT = +3 for 05 May 90

Cross mode B and S QSOs are possible during MA 135 to 140.

AO-10's Mode-B Transponder Now Available for Use:

AMSAT-OSCAR-10 appears to be receiving sufficient solar panel illumination to support Mode-B transponder operations, therefore, the transponder is available for general use whenever AO-10 is in view at your location. Please DO NOT use the transponder if the signals are FMing. The current estimate of AO-10's attitude is LON 24 deg LAT -9 deg.

[AO-10 update received from Graham Ratcliff, VK5AGR, via AO-13 beacons.]

/EX
SB ALL @ AMSAT $ANS-146.06
FIFTH ANNUAL AMSAT-UK COLLOQUIUM

HR AMSAT NEWS SERVICE BULLETIN 146.06 FROM AMSAT HQ
SILVER SPRING, MD MAY 26, 1990
TO ALL RADIO AMATEURS BT

AMSAT-UK Sponsors 5th Annual Satellite Colloquium at U. of Surrey.

AMSAT-UK is sponsoring a symposium dealing with all OSCAR satellites and digital communications. With the recent launch of the MICROSATs, UOSAT D & E, and FO-20, OSCAR enthusiasts should find this year's meeting particularly interesting. Questions & Answer sessions with various Amateur Satellite and Packet experts are planned as are tours of the UoSat command station. As in years past, the University of Surrey will be the meeting place for this colloquium. The following is the "line-up" of programs planned for the week of July 26-29:

Thursday	July 26th:	International Satellite Day
Friday	July 27th:	Introductory Satellite Sessions
Saturday	July 28th:	Advanced Satellite Sessions/Packet
Sunday	July 29th:	Advanced Satellite Sessions/Packet

If you are interested in finding out more details concerning accommodations and the programs to be presented, contact:

Ron Broadbent, G3AAJ
94 Herongate Road
Wanstead Park
London E12 5EQ England

Tel: 081-989-6741
Fax: 081-989-3430 (24 Hours)

Information is also available on the DRIG BBS and the Hamnet Forum of Compuserve in Data Library 5. The file name is UKCOLL.TXT. It is in MSDOS text format. A file in Wordperfect 5.0 format, named UKCOLL.WP5, is also available in the same data library on Compuserve.

Note that the area code for AMSAT-UK has changed. To use AT&T in the United States to call AMSAT-UK replace the 081 prefix with 011-44-81. Contact your long distance carrier for their international dialing instructions.

[ANS thanks Ron Broadbent G3AAJ and Eric Cottrell WB1HBU for this bulletin]

/EX

Posted: Sun, May 27, 1990   4:39 AM GMT   Msg: LGJA-4272-4088
From: TCLARK
To: is
Subj: SAREX.009A: Minor correction to SAREX.009

SB SAREX @ AMSAT < W3IWI $SAREX.009A
SAREX Btn #9 correction

A minor typographical error crept into one entry in the timeline in the SAREX.009 bulletin. The line which was sent as:

```
    02-Jun 14:38 - 11:33 | 3d+10:00 - 4d+06:55 | SAREX ROBOT
```

should have read:

```
    02-Jun 23:38 - 11:33 | 3d+19:00 - 4d+06:55 | SAREX ROBOT
```

73 de Tom, W3IWI
/EX

Posted: Sun, May 27, 1990   4:43 AM GMT   Msg: BGJA-4272-4092
From: TCLARK
To: is
Subj: Concerning changed BIDs

Some of us who post these bulletins onto the packet channels have been taking a lot of heat because some stations, somewhere are changing the BIDs, creating un-necessary duplication of the @AMSAT bulletins. I had complaints from Washington state, Costa Rica, Delaware, Wisconsin just today. Here is the text of a packet bulletin I have circulated about this topic:

SP SYSOP@AMSAT < W3IWI $14001_W3IWI
Concerning @AMSAT BIDs
R:900526/1826z 14001@W3IWI.MD.USA [Balto/Wash MD/DC/VA/DE] Z:21029

Concerning @AMSAT dupes and their BIDs: The @AMSAT bulletins originate (usually on weekends) on a non-amateur channel and are fanned out to regional distribution points with a standard BID like ORB-139.M or ANS-125.03. The local gateways (including KD9QB, W3IWI, N4QQ, WA4ONG) all post them with the same pre-assigned BID but with their own call as the originating station. Any you see with BIDs like 12345_W3IWI or 23456_KD9QB have been changed somewhere!

The past couple of weeks (and for the duration of the WA4SIR STS-35 flight) you have also seen some SAREX @ AMSAT bulletins with BIDs like SAREX.008 originating here at W3IWI. Occasionally (like right after a launch) you may also see some @AMSAT bulletins with "hot" news originating with non-standard BIDs, and some @AMSAT bulletins from elsewhere (like Europe and Australia) may also "leak" into the system with non-standard BIDs.

It appears that some BBS stations have their software configured to drop the original BIDs under some conditions, while others have their software configured to reassign BIDs (or MIDs=Message IDs) based on the forwarding headers in a message. It appears that AA4RE's REBBS and WA8BXN's MSYS code may have some options which may permit this to happen. No problems have been seen that could be traced to WA7MBL, W0RLI, CBBS or PRMBS BBS code.

The problem is serious -- some weeks I have seen as many as 3 or 4 copies of some @AMSAT and @ARRL bulletins make it into the system. Please review your BBS software configuration options and make sure that you are not the unwitting source of problems.

Tnx & 73 de Tom, W3IWI

/EX

From -5611381446708836003
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4d6b3418c48ab50
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 00:43:11 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp!deimos.cis.ksu.edu!rutgers!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!TECNET1.JCTE.JCS.MIL!mgb
From: mgb@TECNET1.JCTE.JCS.MIL
Newsgroups: rec.ham-radio
Subject: Stealth Paint Needed
Message-ID: <9005300743.AA29059@tecnet1.jcte.jcs.mil>
Date: 30 May 90 07:43:11 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 28
Posted: Wed May 30 08:43:11 1990

In article<2341@anasaz.UUCP> Reply-To: john@anasaz.UUCP (John Moore) writes:

>The problem is that the paint apparently had a significant dielectric
>effect, screwing up the antenna. I certainly don't want to mess up
>my HF beam!

>Does anyone KNOW where to get paint with minimal effect, that can be
>applied directly to aluminum radiating surfaces? Does anyone know what
>this stuff is called, or specific brands?

I would suggest either an epoxy-polymide base paint or a polyurethane (poly-u) commonly called by the trade name of Imron. Poly-u is rather hazardous to your health if you happen to inhale it... like it coats your lungs and then you die by suffocation. I won't bore you with a lot of horror stories, but it is dangerous if you are careless, so be careful... enough said.

Neither of these paints contain any form of lead base or anything else that will screw up RF with the proviso of the pigment. Some colors contain lead and WILL cause weird things to happen. We have used these paints on aircraft antennas that operate across the spectrum (well, at least up to about 20 Ghz) with no measured ill effects.

Commercially, ask for Imron, but be careful to study the contents of pigmentation.

Mark Bitterlich
mgb@tecnet1.jcte.jcs.mil

From -8364217787879544289
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b58db6526c181660
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 04:21:00 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp!deimos.cis.ksu.edu!rutgers!ucsd!ucbvax!ARO-EMH1.ARMY.MIL!tom
From: tom@ARO-EMH1.ARMY.MIL ("SINGLETON")
Newsgroups: rec.ham-radio
Subject: 2M antenna ideas for Dodge caravan wanted
Message-ID: <9005301137.AA20427@ucsd.edu>
Date: 30 May 90 11:21:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Wed May 30 12:21:00 1990

I have a Plymouth Voyager, and mounted a Larsen dual-band (2/70) antenna using the "L-bracket" on the front hood of the car (directly opposite to the van's broadcast band antenna). The coax is easy to snake into the passenger compartment through one of the firewall feedthroughs. The biggest difficulty I had was physically mounting the rig: my van has the "console" option, which doesn't leave much room for a radio. I have it mounted just over the drivers right knee, which seems to work OK (but you need to use care when mounting it to give it adequate support, and keep it insulated from the car electronics). Other hams I know have mounted theirs on the drivers chair. My only problem now is a spur created by the car electronics on 146.52 (you can pick this up quite well on caravans/voyager from quite a distance with your HT!).

Tom, N9CGD

From 5955570456392460673
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c979a163ceca76c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 05:03:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!uunet!hfsi!bower
From: bower@hfsi.UUCP (Michael Bower Comm.)
Newsgroups: rec.ham-radio
Subject: Re: Neat ham tricks...
Message-ID: <377@hfsi.UUCP>
Date: 30 May 90 12:03:20 GMT
References: <46012@iuvax.cs.indiana.edu> <8223@jpl-devvax.JPL.NASA.GOV>
Reply-To: bower@hfsi.UUCP (Michael Bower Comm.)
Organization: Honeywell Federal Systems Inc., McLean VA.
Lines: 26
Posted: Wed May 30 13:03:20 1990

One afternoon, while driving home (on an interstate toll road), I was being held up by someone driving UNDER 55 in the left lane. I flashed my lights at the driver and was ignored. I did it again and was still ignored. The third time (I avoid passing on the right since I consider it very dangerous) I was not ignored. I was flipped the bird by the passenger.

Well, that was enough so I started to go around on the right. As I drew beside the car, I noticed that the passenger noticed my strange antenna on the roof. (I have a dual bander in the car and my antenna is actually two short whips on one base in a "V" shape.) I QUICKLY reached for my microphone and started (from her visual perception) describing the car in detail. She could see I was talking on the microphone and she could see that I was looking very intently at parts of the car but she couldn't see that I didn't have the mic keyed. After "describing" the car, I backed off to "get the license number" and report that. When I dropped back, she QUICKLy moved to the right lane. She must have thought I was the cops or something.

```
-----------------------------------------------------------------
Michael Bower - N4NMR              Honeywell Federal Systems Inc.
e-mail: uunet!hfsi!bower                      7900 Westpark Drive.
phone:(h) 703-435-5081  (o) 703-827-3559         McLean, VA 22102
-----------------------------------------------------------------
```

From -4536879029519908527
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93eda2a5a157b821
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 05:56:42 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!gvlv2!gvlv3.gvl.unisys.com!ean

From: ean@gvlv3.gvl.unisys.com (Ed Naratil)
Newsgroups: rec.ham-radio
Subject: Re: Callsign re-structure
Message-ID: <753@gvlv2.GVL.Unisys.COM>
Date: 30 May 90 12:56:42 GMT
Sender: news@gvlv2.GVL.Unisys.COM
Reply-To: ean@gvlv3.gvl.unisys.com (Ed Naratil)
Organization: Unisys Defense Systems, Great Valley Labs, Paoli, Pa
Lines: 15
Posted: Wed May 30 13:56:42 1990

In article <9005251954.AA06231@ti.com> dube@cpdvax.csc.ti.com (DUBE TODD) writes:
>Robert Casey (rfc@briar.Philips.com (Robert Casey)) mentions commercial
>radio call sign "NERD" and wondered if there were a "N3RD". How about
>a new "B" prefix? It would be great for one of our private pilots...
>it could be "B1RD".

Yes, indeedy, there is a N3RD. Dave Hawes who once lived a block from
me holds that call. He *IS* active in DX.

Ed Naratil   (All standard disclaimers apply)
AMPR: W3BNR@N3LA.#EPA.PA.USA.NA   ean@gvlv3.gvl.unisys.com

From -1702210604658094216
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,57aba39f95d76c81
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 07:56:45 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!
zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!sdd.hp.com!decwrl!
shlump.nac.dec.com!tallis.enet.dec.com!reisert
From: reisert@tallis.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: Re: E-skip city!!
Message-ID: <12048@shlump.nac.dec.com>
Date: 30 May 90 14:56:45 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 30
Posted: Wed May 30 15:56:45 1990

In article <9005291534.AA12629@marlin.nosc.mil>,
     price@MARLIN.NOSC.MIL (James N. Price) writes...

>Well, two unusual occurances in San Diego yesterday--it rained
>almost an inch (probably hasn't rained in Southern Calif. on
>Memorial Day for 50 years) AND the TV was hopping with E-skip all

>day long! The 6-meter guys were going nutz with working rare grid
>squares, too.

Here in the "Nawtheast" the band opened up on Sunday afternoon for the first time. W1JR managed to work a VP9 and FY, but the W2's had a much better day, working Cuba, Uruguay and Argentina. On Monday, LU2DEK finally broke through the W2 curtain (about 55 here), as did a couple of CO2s (CB and KK). There were also reports of W7s (double hop). Yesterday afternoon was poorer, didn't hear any SA, but did work K1FJM in Miami with great signals. This is in addition to the 'normal' stateside E-skip in the evenings.

jim, AD1C

=-=

"The opinions expressed here in no way represent the views of Digital
 Equipment Corporation."

James J. Reisert   Internet: reisert@tallis.enet.dec.com
Digital Equipment Corp.   UUCP: ...decwrl!tallis.enet!reisert
295 Foster Street
P.O. Box 1123
Littleton, MA 01460

From -149539253997932038
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c979a163ceca76c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 08:18:38 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!jpl-devvax!jenkins
From: jenkins@jpl-devvax.JPL.NASA.GOV (Steve Jenkins)
Newsgroups: rec.ham-radio
Subject: Re: Neat ham tricks...
Summary: "seizure", not "fit"
Message-ID: <8236@jpl-devvax.JPL.NASA.GOV>
Date: 30 May 90 15:18:38 GMT
References: <9005262018.AA09589@ucbvax.Berkeley.EDU> <345@wyn386.mi.org>
Reply-To: jenkins@jpl-devvax.JPL.NASA.GOV (Steve Jenkins)
Organization: Jet Propulsion Laboratory, Pasadena, CA
Lines: 12
Posted: Wed May 30 16:18:38 1990

In article <345@wyn386.mi.org> danielw@wyn386.UUCP (Daniel Wynalda) writes:
>I became a HAM last year. About 6 weeks after I got my license it paid
>for itself. [story deleted]

I was going to email a reply, but this warrants wider distribution. Please don't use the word "fit" to describe an epileptic seizure. It's an archaic term, a vestige of darker times when epilepsy was seen as more sinister than it is today.

--

Steve Jenkins N6UNI jenkins@jpl-devvax.jpl.nasa.gov
Caltech/Jet Propulsion Laboratory (818) 354-0162

From 7961028297138758203
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6901dba5df60bc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 08:44:40 PST
Path: gmdzi!unido!mcsun!uunet!samsung!think!husc6!m2c!umvlsi!umaecs!lkay
From: lkay@ecs.umass.edu (Leonard Kay, KB2R)
Newsgroups: rec.ham-radio
Subject: Calls we'd like to hear (was re:funky calls...)
Message-ID: <9964.2663ea69@ecs.umass.edu>
Date: 30 May 90 15:44:40 GMT
Lines: 15
Posted: Wed May 30 16:44:40 1990

Of course, it's only a matter of time before the USSR issues:

RG8U

I don't remember seeing it in the '90 CB, and, forgive me, I can't remember where UG* is right this moment (Georgia?).... I do remember a friend (not me, of course) goofing off at Field Day a few years back, passing out QSOs at 4 am on 40 phone from RG8U in the Coaxial Islands....

Len
--
```
------------------------------------------------------------------------
Leonard Kay, KB2R  UMass/Amherst      |  "It's always darkest just
(413)545-4762      lkay@ecs.umass.edu |    before it's totally black"
------------------------------------------------------------------------
```

From 1918060247388582455
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,52346cc641455727,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 08:53:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!CONSRT.ROK.COM!postmstr"%mrgate."ssxmb.decnet
From: postmstr%mrgate.ssxmb.decnet@CONSRT.ROK.COM ("MRGATE::"SSXMB::POSTMSTR"")
Newsgroups: rec.ham-radio
Subject: Delivery Failure Report
Message-ID: <9005301451.AA26599@ucsd.edu>
Date: 30 May 90 15:53:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Wed May 30 16:53:00 1990

From: POSTMSTR @SSXMB

To: MRREMNET @MRGATE
WINS%"INFO-HAMS @UCSD.EDU" @CONSRT @MRGATE

Author:
Sender: WINS%"INFO-HAMS @UCSD.EDU"@CONSRT@MRGATE@CONSRT
Subject: Info-Hams Digest V1 #1
Message Class:

Recipients:

BCCROWE@DALMAC

Unable to deliver mail from Sender name WINS%"INFO-HAMS@UCSD.EDU"@CONSRT@MRGATE@CONSRT.
Please contact your Soft-Switch Administrator to register this user in the Name Translate Directory.

From 3627220449692207109
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,22d9226c512c2b66,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 09:00:07 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!dptspd!lcz
From: lcz@dptspd.sat.datapoint.com (Lee Ziegenhals)
Newsgroups: rec.ham-radio
Subject: Re: TH215 speaker woes
Message-ID: <527@dptspd.sat.datapoint.com>
Date: 30 May 90 16:00:07 GMT
References: <4179@uwm.edu>
Organization: Datapoint Corporation, San Antonio, TX
Lines: 22
Posted: Wed May 30 17:00:07 1990

dave@csd4.csd.uwm.edu (David A Rasmussen) writes:
>I turned on my kenwood Th215 the other day and got no audio from the speaker.
>The earphone jack still works but I hadn't used that before the speaker died.

I have not had exactly that problem, but yesterday I had to replace the volume control on my 215 for the THIRD time. The first time was under warrenty, but not the last two. The problem is that the only mechanical support for the volume (and squelch) control is from the leads soldered to the PCB. In each case, the control developed a hairline crack in one of the leads. This time, when I replaced the control, I used a hot glue gun to add some support.

Has anyone else had this problem, or am I just lucky? One of the guys at the local ham store told me that Kenwood had this problem, as well as a problem with the PTT switch, in the 215. He said that they supposedly fixed them in the 225. Any truth to this?

As a side issue, can anyone tell me the difference between the 215 and the 225? The ads look almost identical, except that the 225 is rated for 6 watts when run from an external power supply.

73/Lee, N5LYT

From -8195135321858453107
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3b2fab146e1c394a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 09:28:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!noose.ecn.purdue.edu!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Finding power-line noise
Message-ID: <46167@iuvax.cs.indiana.edu>
Date: 30 May 90 16:28:31 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 101
Posted: Wed May 30 17:28:31 1990

The following was received from KA5FYI (Austin, Texas). I have sent a copy to a friend at the local power company:

TIPS FOR FINDING LINE NOISE

The City of Austin Electric Utility Department (397-1433) will look for and repair sources of radio noise provided the noise source can be found and that it is caused by equipment owned by the City. This process can be greatly speeded up if you perform as many of the following as possible and have a good idea of the noise source from your own investigation.

1. CHECK YOUR SHACK AND HOME FIRST

Kill the power to your house and listen on a portable receiver. Test the individual loads if necessary.

2. LOCATE THE GENERAL NEIGHBORHOOD OF NOISE

A low-frequency radio like an A.M. radio can be used to find the boundaries of a large area that is noisy.

3. WALKING DIRECTLY TO A SOURCE USING ONLY AN A.M. RADIO

Sometimes it is possible to use the null position on an A.M. portable radio and walk directly to the source. Walk in a direction that parallels the axis of the rod antenna. If noise standing-waves are present, this method will not work.

4. SWITCH TO A HIGHER FREQUENCY

The higher the frequency on which the noise can be heard, generally the nearer you are to the source and the more direct will be the radiation from the source.

5. USE A BEAM ANTENNA ON THE HIGHEST FREQUENCY POSSIBLE

If the noise can be heard on VHF (2 meters) and you have a beam antenna and a portable rig (transmitter hunters), then you are all set up to pinpoint the noise source. Even FM rigs indicate noise on their S meters. Also try your 10 meter beam antenna to find the general direction of noise.

6. FREQUENCY CHARACTERISTIC OF THE NOISE

If the noise can be herd loudly on 80 or 40 meters and very weakly on 10 meters, the noise may be blocks from you. If it is loud on all bands it is probably nearby. If it is loud on a higher frequency band like 15 meters but cannot be heard on other bands, then the noise is radiating from a metal object resonant on that band.

7. PERIODIC NATURE OF NOISE GIVES CLUES

If the noise comes on at a given time, it is probably not power line noise; try to find the culprit by observation.

8. THE SOUND OF THE NOISE GIVES CLUES

A sharp-sounding noise that a noise-blanker handles well is probably a shunt discharge to ground (lightning arrestor or leaky insulator). This is a low-current leakage (it would blow up with high current) through a high resistance go ground. An exception to this is a sharp noise that comes from a loose ground connection. A soft buzzing sound that varies considerably with time indicates a bad connection with a relatively high current (a bad switch or connector).

9. VARIATION WITH WIND AND RAIN

If the noise stops with rain, it probably was caused by a bad switch, connector, or a very slack span of bell insulators. The rain fills the microscopic gap, thereby extinguishing the arc momentarily. On windy days a noise source may vary with the motion of the conductor in the wind. Either of these eliminates the source being a leaky lightning arrestor.

10. SLOWLY PULLING ELECTRIC GUY-WIRES YIELDS INFORMATION

If pulling hard but smoothly on a guy wire on about 2-second intervals causes the noise to drop in and out, it's time to call the Electric Utility.

11. THINK SAFETY FIRST; NOISE IS SECONDARY TO LIVING

Be careful around power lines. They can produce as much power as a dynamite explosion under a fault condition if it occurs near a substation. Do not use ladders, poles, etc. to touch any 'hot' elements. Watch for anything else that might come in contact with the line, such as a tree. Also, the noise could be caused by loose hardware hanging and touching something that has high resistance.

12. NOISE IS 99.9% CERTAINLY NOT FROM A TRANSFORMER

They self-destruct if noisy enough to be heard.

....K5GP

--

Frank W9MKV reid@ucs.indiana.edu

From 3351157683266121682
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d56b559618997f08,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 09:59:48 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!ucsd!ucbvax!MTS.RPI.EDU!Luigi
From: Luigi@MTS.RPI.EDU
Newsgroups: rec.ham-radio
Subject: IRC prices
Message-ID: <1832533@MTS.RPI.EDU>
Date: 30 May 90 16:59:48 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25
Posted: Wed May 30 17:59:48 1990

>From: swrinde!cs.utexas.edu!ut-emx!trey@ucsd.edu (Trey Garlough)
>Subject: QSL Managers
>Message-ID: <30654@ut-emx.UUCP>
>....<other stuff here>....
>QSL cards (average of two or three), compensation (a green stamp or
>two IRCs; IRCs can be had for $0.40 on the secondary market) and a
>return envelope. I try to view this as a fixed expense for getting
>cards from overseas....

I use a similar how-to-get-a-dx-QSL method, but I must be in the dark about IRC's! I have been paying uncle sam $0.95 for each at my local post office. How do you get them for $0.40 and where??

Tell us about this secondary market (or e-mail direct)!

```
          --... ...--    -.. .    -.- .- .---- ..- - ..-
 J. Luigi Giasi, KA1UTU:   luigi@mts.rpi.edu;  luigi@RPITSMTS.BITNET
 President of W2SZ, RPI-ARC (dammit Joel, why didn't you run again!)
 Rensselaer Polytechnic Institute ARC, Troy, NY          W2SZ@WA2UMX
 W2SZ/1 FN32 Mount Greylock, Massachusetts: Work us 6m->24Ghz 6/9-10
    "Even a blind chipmunk stumbles across an acorn once in awhile!"
 ------------------------------------------------------------ ----.-
```

From 2516720126460025943
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f7c59a3b717c507,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 10:04:25 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!rutgers!rochester!newkodak!kodak!
ektools!kinsman
From: kinsman@ektools.UUCP (Andrew A. Kinsman)
Newsgroups: rec.ham-radio
Subject: Need copy of ascii to braille filter
Message-ID: <2671@ektools.UUCP>
Date: 30 May 90 17:04:25 GMT
Sender: kinsman@ektools (Andrew A. Kinsman)
Reply-To: kinsman@ektools.UUCP (Andrew A. Kinsman)
Organization: Eastman Kodak, Dept. 47, Rochester NY
Lines: 17
Posted: Wed May 30 18:04:25 1990

Hello net, I'm searching for a copy of a program which was popular in the early to mid 70's. It would take a line of characters destined for a printer and convert them to braille characters in a 2x3 pattern of periods which after multiple strike-overs could be read as braille through the back of stiff paper. An impact type printer like an old ASR 33, or IBM selectric was required, but the end result was tolerable braille output. These old printers often are sold at ham fests, I've had requests from several bind hams for software to do this type of conversion. If you have a program like this for general distribution, I'd truly enjoy a copy. Thanks.

Andrew Kinsman   rutgers!rochester!kodak!ektools!kinsman
Eastman Kodak Co., Rochester, N.Y. "Little Yellow Box Factory"

From -6016316212188304254
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b4b3bde8b85877db,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 10:18:01 PST

Path: gmdzi!unido!mcsun!uunet!samsung!noose.ecn.purdue.edu!news
From: wb9omc@ea.ecn.purdue.edu (Duane P Mantick)
Newsgroups: rec.ham-radio
Subject: RE: funny callsigns etc.
Message-ID: <1990May30.171801.6378@ecn.purdue.edu>
Date: 30 May 90 17:18:01 GMT
Sender: news@ecn.purdue.edu (USENET news)
Organization: Purdue University Engineering Computer Network
Lines: 43
Posted: Wed May 30 18:18:01 1990

>>From: AllanWS@cup.portal.com (Allan BA Schlaugat)
>> "So who got VD....."
>ragchew repeater it became clear that someone local got KE9VD.
>Yup.. my good friend contracted the call. :-)) To add misery
>to this story, he works in the local hospital as a surgical
>technician.
>By the way, he applied for a change of call from the FCC citing
>that he thought it was "disgusting". He did get a new call:
>KE9VV.. humm the beginning of a exam!! ;-)))

Wow...funny this would pop up - I just worked KE9VV on 10M recently. If I'd have known about this, I would have suggested he keep KE9VD. Here's why:

Some years ago, I used to work Field Day with the La Porte, IN, club, call K9JSI. Used to be great fun, mostly because the group of guys were really nice folks - there weren't any overbearing snobs involved with the contest stuff.

At any rate, this particular FD there was quite a nice opening on 40M somewhere around, oh, I'd guess about 3AM. Stuff rolling in from about anywhere.

Upon having more or less established a frequency and becoming the center of a minor pileup, we called, once again, "QRZ - here is K9JSI" and got called by (I think this is the right call) W2SEX. Everybody in the tent laughed and the op. at the time (I was tracking dupe sheets) asked, "have you contracted, er, contacted W4VD yet?" (we had and thought it an amusing co-incidence). He said no, and immediately we heard W4VD, who was still listening to our pile-up, come back - they completed an extremely funny contest QSO and would have gone on their respective ways were it not for the relative anarchy of probably 100 stations all calling at once asking "may I contract W4VD?" and/or "we'd like some W2SEX..."

K9JSI vacated the frequency for them. :-)

Disclaimer: Not having the K9JSI log sheets available, I am *not* 100% certain about the callsigns. It *was* 3 AM, you know... :-)

Gosh, WB9JLH was one of the other fellows, but that call isn't in the database. Shows KD9FG - wonder if it is the same fellow.....

Duane - WB9OMC

From -3795103481277983916
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,27bf0029c5dd2039
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f74ae,27bf0029c5dd2039
X-Google-Attributes: gidf74ae,public
X-Google-Thread: 105d97,27bf0029c5dd2039
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-05-30 10:43:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!bionet!agate!shelby!portia.stanford.edu!jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio,sci.astro,sci.electronics
Subject: Re: HST transmissions
Message-ID: <1990May30.174352.9182@portia.Stanford.EDU>
Date: 30 May 90 17:43:52 GMT
References: <2631@orbit.cts.com>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 8
Xref: gmdzi rec.ham-radio:11839 sci.astro:4301 sci.electronics:6873
Posted: Wed May 30 18:43:52 1990

HST uses the Tracking Data Relay Satellite System (TDRSS), which is encrypted (with something presumably stronger than DES). It would be the proverbial good thing if someone at STSCI would make some of the images available via anonymous ftp....

```
-=Paul Flaherty, N9FZX/VK2WYX | "Anything below 1,000,000,000 Hz
->paulf@shasta.Stanford.EDU   |  is just nervous DC."
```

From 6226554924040710662
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,57aba39f95d76c81
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 10:51:27 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!cs.utexas.edu!ut-emx!trey
From: trey@ut-emx.UUCP (Trey Garlough)
Newsgroups: rec.ham-radio
Subject: Re: E-skip city!!
Message-ID: <30698@ut-emx.UUCP>
Date: 30 May 90 17:51:27 GMT
References: <12048@shlump.nac.dec.com>
Organization: The University of Texas at Austin, Austin, Texas
Lines: 25
Posted: Wed May 30 18:51:27 1990

In article <12048@shlump.nac.dec.com>, reisert@tallis.enet.dec.com (Jim Reisert)

writes:
|
| In article <9005291534.AA12629@marlin.nosc.mil>,
| price@MARLIN.NOSC.MIL (James N. Price) writes...
|
| >Well, two unusual occurances in San Diego yesterday--it rained
| >almost an inch (probably hasn't rained in Southern Calif. on
| >Memorial Day for 50 years) AND the TV was hopping with E-skip all
| >day long! The 6-meter guys were going nutz with working rare grid
| >squares, too.
|
| Here in the "Nawtheast" the band opened up on Sunday afternoon for the first
| time. W1JR managed to work a VP9 and FY, but the W2's had a much better
| day, working Cuba, Uruguay and Argentina. On Monday, LU2DEK finally broke
| through the W2 curtain (about 55 here), as did a couple of CO2s (CB and KK).

No joke. HF Conditions were so bad this weekend during the contest that
I occasionally wandered over and worked some guys on 50 MHz. I managed
to pick up HR1LW (Honduras), VP2VCW (Tortola) and some Cubans. You could
call one CQ and get a pileup of W4's and W8's. I guess it's getting to
be summertime again.

Trey Garlough
Computation Center, University of Texas, Austin, Texas 78712
trey@emx.CC.UTEXAS.EDU (internet) (512-471-3241)

From 5070200893846671996
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6ddb4d59e91fd7c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 11:44:19 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com (DUBE TODD)
Newsgroups: rec.ham-radio
Subject: Re: QSL managers
Message-ID: <9005301901.AA22060@ti.com>
Date: 30 May 90 18:44:19 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Wed May 30 19:44:19 1990

I used to qsl 100%. After 9 months of operation and qsl's to a number of
European and Japanese stations/managers/bureaus who haven't seen fit to
respond, I've reduced my qsl-ing to 100% U.S., where I get about 65 percent
return.

I've always felt that the qsl was a neat little courtesy that you extend to
other Hams whom you've not worked before; not a means to finance your station.

As for me sending blackmail money to get qsl cards back; well, forget it! If

I don't get theirs, it's no biggie. I got 'em in my log.

No, you don't owe me your qsl card, even if I send one to you. But

```
From 7212639225768748305
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9afa4277afb133b2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 12:08:17 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cica!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: "Espionage Devices"
Message-ID: <46187@iuvax.cs.indiana.edu>
Date: 30 May 90 19:08:17 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 19
Posted: Wed May 30 20:08:17 1990
```

In article <999@s8.Morgan.COM> amull@Morgan.COM (Andrew P. Mullhaupt) writes:
>>I would assume this is why in the recent anti-espionage law, they
\>>only outlawed high capacity burst transmitters, as opposed to burst
\>>transmitters in general.

>...
\>Gawd. What idiocy.

\>Phil

Like the ECPA, this is just another step toward a brutopia where
everything not mandatory is forbidden.

--

Frank   W9MKV   reid@ucs.indiana.edu
"In Pottsylvania, everybody is a spy and everything is a secret."
--Bullwinkle

```
From 2575119156565315068
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d365eab72677391,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 12:19:00 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!TAMVENUS.BITNET!MCL9337
From: MCL9337@TAMVENUS.BITNET
Newsgroups: rec.ham-radio
Subject: 6JB6s etc.
Message-ID: <9005310602.AA10386@ucsd.edu>
Date: 30 May 90 19:19:00 GMT
```

Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25
Posted: Wed May 30 20:19:00 1990

I have a Drake TR-4C (my first HF rig--purchased a year ago in November) and as it was my first rig, in learning to tune up, etc. the finals have been through some torture. Does anyone know of a good source for tubes of all kinds, especially the 6JB6s. I need three and they must be matched. Drake wants about $26 apiece (double their price a year ago!).

As an example of the wear and tear these tubes have seen, when I first got the rig, I was able to get out over 100 W on 10M. That's now down to < 25W on a good day!

On lower bands (15,20,40,80) I was able to get out over 200 and am now down to < 150W. Not too bad, really. But under 25 W doesn't cut it for me on 10M.

The Drake is capable of over 300 barefoot, so you can understand my interest in new tubes! At least now I can tune up quickly and properly, so the old finals served their purpose.

Donations will be accepted!! :-)

Thanks for your help, as usual.

Mark Lowe - KB5III

MCL9337@TAMVENUS.BITNET

From 8501694849518323649
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c979a163ceca76c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 12:37:03 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Neat ham tricks...
Summary: cop hams
Message-ID: <772@ssc.UUCP>
Date: 30 May 90 19:37:03 GMT
References: <9005262018.AA09589@ucbvax.Berkeley.EDU>
<1990May29.170925.26184@portia.Stanford.EDU>
Organization: very little
Lines: 24
Posted: Wed May 30 20:37:03 1990

N9FZX told about being pulled over by a ham/hiway patrolman who wanted to use his two meter radio.

Last year I was on my first date (and last) with Heidi, and she was kind of wondering about the antennas on my car. We were headed down Roosevelt Way in Seattle, when I saw flashing blue lights behind me. I got out of the car to meet the Seattle police officer. He had just gotten his ham license, and all he wanted to know was what kind of radios I had in the car!
We chatted for a few minutes, and then I was on my way.
f
I think after that Heidi KNEW we
hams were crazy.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -4697007383777001908
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,625585198c9552c6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 12:40:58 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!elroy.jpl.nasa.gov!ames!amdcad!
mozart.amd.com!positron!brian
From: brian@positron.amd.com (Brian McMinn)
Newsgroups: rec.ham-radio
Subject: e-mail callsign server
Message-ID: <1990May30.194058.13167@mozart.amd.com>
Date: 30 May 90 19:40:58 GMT
Sender: usenet@mozart.amd.com (Usenet News)
Reply-To: brian@positron.AMD.COM (Brian McMinn)
Organization: Advanced Micro Devices, Inc., Austin, Texas
Lines: 12
Posted: Wed May 30 20:40:58 1990

Is there a callsign server on the network that responds to e-mail
requests? How recent is its database?

--
Brian McMinn brian@amd.com
Advanced Micro Devices N5PSS
Austin, Texas 1-(512)-462-5389
"You can't leap a chasm in two jumps."
Brian McMinn brian@amd.com
Advanced Micro Devices N5PSS
Austin, Texas 1-(512)-462-5389
"You can't leap a chasm in two jumps."

From 5436238537339092533
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d49027d545a4a46d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9b5b,d49027d545a4a46d,start
X-Google-Attributes: gidf9b5b,public
X-Google-ArrivalTime: 1990-05-30 14:32:06 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!zaphod.mps.ohio-state.edu!usc!sdsu!crash!guhsd000@crash.cts.com
From: guhsd000@crash.cts.com (Paula Ferris)
Newsgroups: rec.ham-radio
Subject: Cable (As in fire breathing monster cable)
Message-ID: <2906@crash.cts.com>
Date: 30 May 90 21:32:06 GMT
Sender: root@crash.cts.com
Organization: HALE Telecommunications, San Diego
Lines: 18
Posted: Wed May 30 22:32:06 1990

I have quite a bit if Andrew Twinax (no number on it, sorry) that's 100% shielded, foam, and a center conductor of more than 1/8 inch in diameter.

The shielding looks alot more like conduit. I know it's for microwave, basically no loss, quality cable.

But, since I don't own a microwave tower and dishes, waveguides etc...and have no plans to, can I use it for regular applications? I'm not worried about the cable, the way it's designed it could be used to carry AC to the house, I just don't know the ratings of such monsters, dielectric/impedence/etc...

I can load it for 50 ohm if need be, yes, I know it would be over designing my antenna system quite a bit, but I rather use it than sell it off, if I could find someone interested in such a small quanity, when utilities buy it in 2000 foot bolts.

Ideas? (Constructive) Comments?

From 6851704118488756510
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,625585198c9552c6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 15:51:50 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!dptspd!lcz
From: lcz@dptspd.sat.datapoint.com (Lee Ziegenhals)
Newsgroups: rec.ham-radio
Subject: Re: e-mail callsign server
Message-ID: <528@dptspd.sat.datapoint.com>
Date: 30 May 90 22:51:50 GMT
References: <1990May30.194058.13167@mozart.amd.com>

Organization: Datapoint Corporation, San Antonio, TX
Lines: 22
Posted: Wed May 30 23:51:50 1990

brian@positron.amd.com (Brian McMinn) writes:
>Is there a callsign server on the network that responds to e-mail
>requests? How recent is its database?

I have a callsign server that responds to mail requests. To access it,
send mail to callbook@sat.datapoint.com. In the body of the message,
include a line with the word "lookup" followed by one or more callsigns.

For example:

     lookup n5lyt w5ifp kz5zzz

For more information, include a line with the single word "help".

The database is based on September 1989 FCC records, but does not
include club stations. U.S. callsigns only, of course. I intend to
update the database each year.

Currently, you can lookup by callsign only. I hope to add other
search criteria in the future.

73/Lee, N5LYT

From -1525611171068336441
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c43d3abf4f8a5d7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 16:04:58 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Shortest Ham Call ?
Message-ID: <9005302304.AA13302@cmr.ncsl.nist.gov>
Date: 30 May 90 23:04:58 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
     formerly National Bureau of Standards
Lines: 12
Posted: Thu May 31 00:04:58 1990

I've noticed a running series of messages concerning short or odd ham calls.
Here's another. Looking through the RSGB Call Book which I bought a couple of
weeks ago at the RSGB VHF Conference, I came across a list of VHF/UHF ham
beacon stations. It lists a number of those in the US, but also a lot we don't
ever hear this side of the Pond..... one of which is ---   I5I   !!!!
That must hold the record as the shortest ham call.
Full details are: frequency 1296.855 MHz   location   Pistoia (Italy)

Grid locator JN53LL   height asl 550 meters   antenna 4 Mini wheels
ERP 10 W
Can you top this?
73, Bob W3OTC

From 1154112170048668631
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8316fbd0ec91f004
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8316fbd0ec91f004
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-30 16:44:00 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!uwm.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!apollo!hays
From: hays@apollo.HP.COM (John Hays)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Who's on 407.75MHz?
Keywords: Mystery Frequency
Message-ID: <4ab5c461.20b6d@apollo.HP.COM>
Date: 30 May 90 23:44:00 GMT
References: <3342@radio.oakhill.UUCP>
Sender: root@apollo.HP.COM
Reply-To: hays@apollo.HP.COM (John Hays)
Organization: Hewlett-Packard Company, Apollo Division; Chelmsford, MA
Lines: 12
Xref: gmdzi rec.ham-radio:11845 rec.radio.shortwave:1347
Posted: Thu May 31 00:44:00 1990

In article <3342@radio.oakhill.UUCP> charlie@oakhill.UUCP (Charlie Thompson) writes:
>
>The AF-1 phone patch frequencies were silent but later I found out
>that Bush had taken a helicopter to Austin from Houston so AF-1
>never landed in Austin hence no AF-1 activity.
>   C.T.
>   WB4HVD

Air Force 1 is any aircraft carryin the president ... thus the helicopter
for that short trip was AF-1 ....

John KD7UW

From 7104542768014252486
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ec5d5a74b9080f59
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 17:06:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!apollo!hays
From: hays@apollo.HP.COM (John Hays)
Newsgroups: rec.ham-radio
Subject: Re: Callsign restructuring

Message-ID: <4ab5d808.20b6d@apollo.HP.COM>
Date: 31 May 90 00:06:00 GMT
References: <9005250813.AA16300@ucbvax.Berkeley.EDU>
Sender: root@apollo.HP.COM
Reply-To: hays@apollo.HP.COM (John Hays)
Organization: Hewlett-Packard Company, Apollo Division; Chelmsford, MA
Lines: 5
Posted: Thu May 31 01:06:00 1990

While living in Seattle area I was told I could mae a good deal of money if I could sell my callsign (KD7UW) .. seems University of Washington fans like those sort of things?!?

John KD7UW

From 3929826067765689562
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8316fbd0ec91f004
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8316fbd0ec91f004
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-30 17:28:42 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!xanth!mcnc!duck!spl
From: spl@duck.ncsc.org (Steve Lamont)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Air Force One (was Re: Who's on 407.75MHz?)
Keywords: Mystery Frequency
Message-ID: <2239@speedy.mcnc.org>
Date: 31 May 90 00:28:42 GMT
References: <3342@radio.oakhill.UUCP> <4ab5c461.20b6d@apollo.HP.COM>
Sender: daemon@mcnc.org
Organization: Foo Bar Brewers Cooperative
Lines: 19
Xref: gmdzi rec.ham-radio:11846 rec.radio.shortwave:1348
Posted: Thu May 31 01:28:42 1990

In article <4ab5c461.20b6d@apollo.HP.COM> hays@apollo.HP.COM (John Hays) writes:
>Air Force 1 is any aircraft carryin the president ... thus the helicopter
>for that short trip was AF-1 ....

I don't think that's correct. I believe the Presidential helicopter is flown by the Marine Corps and is called Marine 1.

I tried looking this up in a couple of references that I had handy but couldn't find anything either confirming or negating. Does anyone have a better library?

spl (the p stands for
Presidential Candidate
of the Silly Party)

--

```
Steve Lamont, sciViGuy (919) 248-1120         EMail:   spl@ncsc.org
NCSC (The other one), Box 12889, Research Triangle Park, NC 27709
"It's not a question of whose habitat it is, it's a question of how hard you
hit it."      -Douglas Adams, "Hitchhiker's Guide to the Galaxy"


From 4481706385369756698
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6901dba5df60bc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 18:12:10 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Calls we'd like to hear (was re:funky calls...)
Message-ID: <14026@ucsd.Edu>
Date: 31 May 90 01:12:10 GMT
References: <9964.2663ea69@ecs.umass.edu>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 3
Posted: Thu May 31 02:12:10 1990

That's "RG8AU, stranded on polyfoam island.  Handle here is Braid."

At least you got part of it right.


From -4499665937061557796
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6901dba5df60bc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 18:31:35 PST
Path: gmdzi!unido!mcsun!uunet!samsung!xanth!mcnc!unccvax!cs00jmc
From: cs00jmc@unccvax.UUCP (John Covington WN4BBJ)
Newsgroups: rec.ham-radio
Subject: Re: Calls we'd like to hear (was re:funky calls...)
Message-ID: <2078@unccvax.UUCP>
Date: 31 May 90 01:31:35 GMT
References: <9964.2663ea69@ecs.umass.edu> <14026@ucsd.Edu>
Reply-To: cs00jmc@unccvax.UUCP (John Covington WN4BBJ)
Organization: University of North Carolina at Charlotte
Lines: 15
Posted: Thu May 31 02:31:35 1990

In article <14026@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>That's "RG8AU, stranded on polyfoam island.  Handle here is Braid."
>
>At least you got part of it right.

I thought it was Belden.
```

```
--
John Covington WN4BBJ        Internet: cs00jmc@unccvax.uncc.edu
P.O. Box 217122              MCI Mail: JCOVINGTON 342-6957
Charlotte, NC 28221-7122     Packet Radio Mail: WN4BBJ @ W4BFB.NC.USA.NA
(704) 537-7653               "Give it back, Eric, it's not yours" (the ICOM)
```

From 3454295653854090063
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d56b559618997f08
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 20:31:56 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!att!cbnewsk!wheatley
From: wheatley@cbnewsk.att.com (steven.m.wheatley)
Newsgroups: rec.ham-radio
Subject: Re: IRC prices
Message-ID: <1990May31.033156.12240@cbnewsk.att.com>
Date: 31 May 90 03:31:56 GMT
References: <1832533@MTS.RPI.EDU>
Organization: AT&T Bell Laboratories
Lines: 25
Posted: Thu May 31 04:31:56 1990

> I use a similar how-to-get-a-dx-QSL method, but I must be in the
> dark about IRC's! I have been paying uncle sam $0.95 for each at
> my local post office. How do you get them for $0.40 and where??
>
> Tell us about this secondary market (or e-mail direct)!

Well, here we go. Several places often let you know that they have IRCS available. the W6GO list often has them, and I just saw a note a few weeks back that Joe, W3HNK, perhaps the most famous QSL manager in the US, had some. First, both ask 50 cents for an IRC, not 40.....and I believe both are out at the present. There is a guy in VE land that sells them as well, but I think he wants 55 or 60 cents each. Basically, the post office gives you 40 cents for each one....they cost 95 at the post office, thus the 'secondary' market.

I sometimes have them in 'limited' quantities of a few hundred or less, as most of the DX QSLs I get seem to have GreenStamps (i.e., $1.00 bills). Send me an email if interested.

```
--
Steven Wheatley    AT&T Consumer Products    (317) 845-3927

....!att!inuxz!wheatley
```

From 6596774250833888415

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f57fbe63fdf63ee6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 20:54:34 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!
mailrus!ames!apple!hercules!fernwood!portal!cup.portal.com!wordy
From: wordy@cup.portal.com (Steven K Roberts)
Newsgroups: rec.ham-radio
Subject: Re: AEA Loop Antenna Comparison
Message-ID: <30355@cup.portal.com>
Date: 31 May 90 03:54:34 GMT
References: <1990May29.195348.11993@cbnewsi.att.com>
Organization: The Portal System (TM)
Lines: 41
Posted: Thu May 31 04:54:34 1990
```

Fred requested A-B comparison of the IsoLoop with anything else...

I'm deveoping a bicycle-mobile system, and am thus constrained to things I can carry. My wire dipoles have thus been left out of the testing, and I don't even want to know how a beam compares.

My A-B tests have been against a mini-dipole made out of Hustler mobile resonators (2 for each band) and a pair of MO-4 masts. This assembly is much more portable and packable than the IsoLoop, but operationally, it's not so simple.

The basic trade-off is gain-bandwidth. The IsoLoop is EXTREMELY narrow, requiring tweaking with almost every change of the VFO. Using an Icom 725, this requires switching to CW, turning power all the way down, and sending a carrier while watching SWR and nudging the stepper in the antenna. Not a long process, but a bit of a nuisance... and it could very easily be automated (derive DC from an SWR bridge and drive the stepper until it is lowest; interpolate between band edges if using computer control of the radio and output stepper pulses at the same time; etc).

On 20 meters, the IsoLoop receives consistently better reports -- like the difference between 54 and 59. On 10 and 15, they seem similar, though I seem to have better subjective penetration of the QRM with the loop but less effort working with the mini-dipole. I've been using the loop in horizontal (omni) mode with the coupling loop at 45 degrees.

I've been thinking of packaging options, including increasing the size of the loop to include 40 meters (and match the solar panel array on my trailer). But it's heavier and requires more setup effort, so in my particular application it may not be optimal. But after this testing, I can easily recommend the IsoLoop to anyone with limited space or more conventional mobile needs. One big plus is that it's ALL BANDS between 14 and 30 MhZ, including 17 and 12 meters. With the other approach, I need 7 pairs of resonators.

CHeers and 73...
   Steven K. Roberts   N4RVE

From 4463040687474875193
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b6901dba5df60bc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 21:12:50 PST
Path: gmdzi!unido!mcsun!uunet!salt.acc.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Calls we'd like to hear (was re:funky calls...)
Message-ID: <14035@ucsd.Edu>
Date: 31 May 90 04:12:50 GMT
References: <9964.2663ea69@ecs.umass.edu> <14026@ucsd.Edu> <2078@unccvax.UUCP>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 7
Posted: Thu May 31 05:12:50 1990

In article <2078@unccvax.UUCP> cs00jmc@unccvax.UUCP (John Covington WN4BBJ) writes:
>In article <14026@ucsd.Edu> brian@ucsd.Edu (Brian Kantor) writes:
>>That's "RG8AU, stranded on polyfoam island. Handle here is Braid."
>
>I thought it was Belden.

Belden is his last name, and he lives at 52 Ohm Drive, Coaxial, CA, 82140

From 9054887123978676092
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d56b559618997f08
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 21:38:30 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!sdd.hp.com!cs.utexas.edu!ut-emx!trey
From: trey@ut-emx.UUCP (Trey Garlough)
Newsgroups: rec.ham-radio
Subject: Re: IRC prices
Message-ID: <30739@ut-emx.UUCP>
Date: 31 May 90 04:38:30 GMT
References: <1832533@MTS.RPI.EDU>
Organization: The University of Texas at Austin, Austin, Texas
Lines: 28
Posted: Thu May 31 05:38:30 1990

In article <1832533@MTS.RPI.EDU>, Luigi@MTS.RPI.EDU writes:
> >From: swrinde!cs.utexas.edu!ut-emx!trey@ucsd.edu (Trey Garlough)
> >two IRCs; IRCs can be had for $0.40 on the secondary market) and a
> >return envelope.
>

> I use a similar how-to-get-a-dx-QSL method, but I must be in the
> dark about IRC's! I have been paying uncle sam $0.95 for each at
> my local post office. How do you get them for $0.40 and where??
>
> Tell us about this secondary market (or e-mail direct)!

I used to send $40 and a few stamps to KX6DS's QSL manager and get 100 IRCs back. I have done similarly with managers for other operations.

Often there will be ads in DX bulletins from W3HNK or somebody who is selling recycled IRCs for $0.50. This still beats $0.95.

I have neither bought nor redeemed an IRC through the post office. I view them as ham currency. Of course, for all I know this is probably against the law or something. Sillier things are illegal.

Personally, I operate lots of contests and consequently get scores of IRCs in a given year. As few cards as I ever initiate any more (I'm too lazy), the incoming supply is adequate for me.

Trey Garlough
Computation Center, University of Texas, Austin, Texas 78712
trey@emx.CC.UTEXAS.EDU (internet) (512-471-3241)

From -5446978124094494054
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c43d3abf4f8a5d7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 22:17:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Shortest Ham Call ?
Message-ID: <30500560@ux1.cso.uiuc.edu>
Date: 31 May 90 05:17:00 GMT
Lines: 10
Nf-ID: #R:<9005302304.AA13302@cmr.ncsl.nis:-38:ux1.cso.uiuc.edu:30500560:000:549
Nf-From: ux1.cso.uiuc.edu!phil   May 31 00:17:00 1990
Posted: Thu May 31 06:17:00 1990

In Part 2 of the FCC Rules and Regulations is where allocations are made. Frequencies are allocated to services as well as call signs. It just so happens that the call signs K0A-K9Z, N0A-N9Z, and W0A-W9Z are allocated to the Amateur Service. There happens to be not policy of issuing them, but if they decided to do so, the rules are in place and they could do so w/o a rulemaking proceeding.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 3404321530781142802
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,52346cc641455727
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-30 23:31:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!ucsd!ucbvax!CONSRT.ROK.COM!postmstr"%mrgate."ssxmb.decnet
From: postmstr%mrgate.ssxmb.decnet@CONSRT.ROK.COM ("MRGATE::"SSXMB::POSTMSTR"")
Newsgroups: rec.ham-radio
Subject: Delivery Failure Report
Message-ID: <9005310529.AA09321@ucsd.edu>
Date: 31 May 90 06:31:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Thu May 31 07:31:00 1990

From: POSTMSTR @SSXMB
To: MRREMNET @MRGATE
WINS%"INFO-HAMS @UCSD.EDU" @CONSRT @MRGATE

Author:
Sender: WINS%"INFO-HAMS @UCSD.EDU"@CONSRT@MRGATE@CONSRT
Subject: Info-Hams Digest V1 #2
Message Class:

Recipients:

BCCROWE@DALMAC

Unable to deliver mail from Sender name WINS%"INFO-HAMS@UCSD.EDU"@CONSRT@MRGATE@CONSRT.
Please contact your Soft-Switch Administrator to register this user in the Name Translate Directory.

From -7581099041605248850
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93eda2a5a157b821
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-26 06:29:15 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!dogie.macc.wisc.edu!uwvax!astroatc!nicmad!norvax!beams
From: beams@norvax.UUCP (David Beams)
Newsgroups: rec.ham-radio
Subject: Re: Callsign re-structure
Message-ID: <492@norvax.UUCP>
Date: 25 May 90 14:02:09 GMT
References: <26320@ucbvax.Berkeley.EDU> <386400009@.Prime.COM>
Organization: Norland Corp., Fort Atkinson, WI 53538

Lines: 44
Posted: Fri May 25 15:02:09 1990

> of the "full" licenses as incentive to learn more technically. The full incentive licensing program, established in the late 50's or early 60's, established the present five license classes that tied more privileges to demonstration of more knowledge and skills.
>
>
> 73 de Scott KC1ST (ex WN1TEW)
>

Actually, incentive licensing became reality in November, 1967. Prior to that, full privileges were conveyed by the General/Conditional Classes. (Does anyone recall the Conditional Class? It was equivalent to a General-Class license, but it was taken by mail. It was available to those who were physically unable by virtue of disability or distance to present themselves at a place where the FCC held amateur exams at least quarterly). The Amateur Extra Class conveyed no special privileges, only a warm, fuzzy feeling and a blue-and-white diploma-like sheepskin (suitable for framing) that resembled the diplomas the FCC gave for Commercial Radiotelephone/Radiotelegraph licenses. At the time the FCC adopted incentive licensing (late summer of 1967), there were about 5,000 Extra Class licensees out of an amateur population of some 250,000. Please don't hold me to that statistic, though; memories THAT old rely on residual magnetization of the old cores :-) :-)

The old Class A was rejuvenated and re-named "Advanced Class" in November, 1967; I recall going to Chicago just after Christmas of 1967 to take the Advanced exam, just a month after the class was re-opened. The first restriction of privileges to persons other than Extra Class licensees took place in November, 1968; the second restriction, which established the subbands in largely the form in which they exist today, took place in November, 1969.

My privileges were restricted for a while, because I could not take the Extra Class exam until August, 1969. At that time, an applicant (or was the correct term "supplicant?") for the Extra Class had to have accumulated two years as a licensee of the General Class or higher.

Anyone else recall those old Extra Class diplomas?

--73, Dave KK9Y

--
UUCP: ...seismo!uwvax!astroatc!norvax!beams
US Mail: David Beams / Norland Corporation / Fort Atkinson, WI 53538-8999
Registered Professional Thaumaturgist -- Hours by Appointment Only

From 6136043265696229306
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a8ba0e60c85c3dcf
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-05-26 10:57:03 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!ge-dab!tarpit!peora!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: request for information on Motorola "Pageboy II"
Message-ID: <983@tsdiag.ccur.com>
Date: 25 May 90 19:25:16 GMT
References: <2792@crash.cts.com> <1990May24.144341.3856@uokmax.uucp>
Organization: Concurrent Computer Corp. Oceanport NJ
Lines: 26
Posted: Fri May 25 20:25:16 1990

In article <1990May24.144341.3856@uokmax.uucp> skaggs@nsslsun.gcn.uoknor.edu (Gary Skaggs) writes:
->rcm@andante.UUCP (Bob Melville) writes:
->>
->>I am interested in any documentation on the Motorola
->>"Pageboy II" paging receiver. A schematic would
->>be particularly nice. I want to try to make the thing
->>into a monitor receiver for two meters.
->>
-
-Hold on, Bob. Don't give up yet! I have a pageboy II tone and voice that
-has been *squelched*. Give me a few days to round up the mods (not real
-convenient, but workable) and I'll blast them off to you by USnail.

Please send these to me also! I've been hankerin' for these mods ever
since I moved to New Jersey and cancelled my old voice pager service in Va.
I'll be glad to cover postage, handling, and copying fees in return. Thank
you greatly in advance,

Dave Tiller n2kau
35 Sternberger Ave #H
West End, NJ 07740

```
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

From -6641389584868869503
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,83f2eb7636958b0b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-26 13:24:41 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!mailrus!ncar!umigw!mthvax!wb8foz
From: wb8foz@mthvax.cs.miami.edu (David Lesher)
Newsgroups: rec.ham-radio
Subject: Re: WWV
Message-ID: <1990May26.183412.12152@mthvax.cs.miami.edu>
Date: 26 May 90 18:34:12 GMT
References: <1990May24.125208.13119@cbnewse.att.com> <7880149@hpfcdc.HP.COM>

Reply-To: wb8foz@mthvax.cs.miami.edu (David Lesher)
Organization: NRK Clinic for habitual NetNews abusers
Lines: 19
Posted: Sat May 26 19:34:12 1990

In <7880149@hpfcdc.HP.COM> richard@hpfcdc.HP.COM (Richard Artz) writes:

>The atomic clocks are in Boulder, 499 prefix, the antenna farm is on the
>north end of Fort Collins.

Last time I got the tour, there were clocks at both places.
I remember the number in Ft. Collins as 3.

They compared the two sets by looking at a TV station
equaldistant from both places, and relating time to the sync
signal or such. THAT struck me as a bit of lash-up, but they
were happy with it.

--
A host is a host from coast to coast.....wb8foz@mthvax.cs.miami.edu
& no one will talk to a host that's close...........(305) 255-RTFM
Unless the host (that isn't close).....................pob 570-335
is busy, hung or dead....................................33257-0335

From 8096755915417710999
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c979a163ceca76c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-26 13:35:41 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!TAMVENUS.BITNET!
MCL9337
From: MCL9337@TAMVENUS.BITNET
Newsgroups: rec.ham-radio
Subject: Neat ham tricks...
Message-ID: <9005262018.AA09589@ucbvax.Berkeley.EDU>
Date: 25 May 90 22:00:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 35
Posted: Fri May 25 23:00:00 1990

One night last summer, a friend of mine and I were out performing car acrobatics. I ended up with a tailpipe stuffed with a few inches of hard-packed dirt (DON'T ASK!!)

Digging it out with a key was a long, slow process and it was getting nowhere fast. We decided to make our way to a wild party we could see from the street. A few girls were yelling at us from there. So, we drove over to the apartment and knocked on the door several times to ask for a butter knife. (Pretty unusual request, eh?)

The door was answered by a few drunk types who weren't very happy to be disturbed. Of course, they were not to be reasoned with. They began to get somewhat unruly and started speaking about violence (not realizing that my friend was a student of the martial arts). I very casually walked over to my car and keyed up on 147.14 and listened to good ol' WB5KFJ the talking repeater with the volume up loud.

The drunks practically came unglued! There were several minors at this party and they thought we were cops!! Things settled down VERY quickly, and we left without further incident. Ham radio saved the day!

So... let's hear your stories about how you were rescued from various real and not-so-real emergencies thanks to the radio. I carrry my HT with me EVERYWHERE I go, and people give me a hard time about it. But I know that it will come in very handy someday when there is some form of accident or other incident that precludes my getting to a telephone.

I KNOW this will make for some interesting reading!

Mark Lowe - KB5III

Looking for a job in Telecommunications

MCL9337@TAMVENUS.BITNET

From -6732288546108632986
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c22515b600b01f4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-26 13:36:09 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!ucsd!ucbvax!gte.com!pescatore_jt%ncsd.dnet
From: pescatore_jt%ncsd.dnet@gte.com
Newsgroups: rec.ham-radio
Subject: Tanzanian Call Signs
Message-ID: <9005252056.AA28681@bunny.gte.com>
Date: 25 May 90 20:55:59 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Fri May 25 21:55:59 1990

> Rumor has it that 5H3TW was trying for a special call for the WPX
> Contest this weekend: 5H5H. Beware!

For last year's WPX contests, Tom Warren K3TW/5H3TW was trying to get 5H1T. Think of the QSL card possibilities.

From -5613979614458382490
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ee03dc93854dc4e8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,ee03dc93854dc4e8
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-26 13:36:12 PST
Path: gmdzi!unido!mcsun!uunet!arris!rshapiro
From: rshapiro@arris.com (Richard Shapiro)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Sony 7600 & stereo (was: Listening to freq. > 30.000Khz)
Message-ID: <1990May26.155920.300@arris.com>
Date: 26 May 90 15:59:20 GMT
References: <112@heimat.UUCP> <1264@urbana.mcd.mot.com> <116@heimat.UUCP> <14290@thorin.cs.unc.edu>
Organization: ARRIS Pharmaceutical, Cambridge, MA
Lines: 9
Xref: gmdzi rec.radio.shortwave:1325 rec.ham-radio:11764
Posted: Sat May 26 16:59:20 1990

In article <14290@thorin.cs.unc.edu> hardarso@unc.cs.unc.edu (Kari Hardarson) writes:
>I bought a Sony receiver (7600DS) I like it a lot, except for the fact
>that you need a converter to be able to use stereo headphones with it.

Lest anyone get confused by the similar numbers: the 7600DS is a different radio from the new 7600 (no suffix). The 7600, which replaces the 2002/3, is compatible with stereo phones -- no adaptor needed.

From -3580556624555958408
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,78ae0967fb79360a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-26 17:06:58 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!cs.utexas.edu!texbell!merch!cpe!davew
From: davew@cpe.UUCP
Newsgroups: rec.ham-radio
Subject: UK reciprocal license
Message-ID: <37400012@cpe>
Date: 26 May 90 16:59:00 GMT
Lines: 15
Nf-ID: #N:cpe:37400012:000:380
Nf-From: cpe.UUCP!davew   May 26 10:59:00 1990
Posted: Sat May 26 17:59:00 1990

I am planning a trip to the UK in September and would like to get a '
reciprocal license. Does anyone know where to apply for one?

I assume that there is an appropriate form and fee required. Any help
and information is appreciated.

David Williams
"Passed the tests, just waitn' for the FCC to digest my 610"
(...microsoft!trsvax!cpe!davew)
Daytime (817) 390-2626

From 2526885866651214793
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8751daaba5ea90c4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-26 22:24:28 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!dvinci!weyr!katz
From: katz@weyr.FIDONET.ORG (SYLVAN KATZ)
Newsgroups: rec.ham-radio
Subject: QSL Info
Message-ID: <682.265F43DC@weyr.FIDONET.ORG>
Date: 27 May 90 02:48:53 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 16
Posted: Sun May 27 03:48:53 1990

I need help locating QSL information for the follwoing:
V85TT
5A8CZ
5A7JAD
HZ1HZ
TT8CW
Please e-mail any information that you might have directly to me at
the fidonet address listed below.
TNX, 73's - Syl VE5ZX

--
Sylvan Katz   Ham: VE5ZX
203 Ball Crescent   UUCP: alberta!dvinci!weyr!katz
Saskatoon, Sask   Internet: katz@weyr.FIDONET.ORG
Canada S7K 6E1   Ham bands: below 14.025/21.025/28.025 @ 0100-0300Z
(306) 934-3168

From -919630871602796144
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ec5d5a74b9080f59
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-26 23:03:12 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!pollux.usc.edu!kjh

From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: Callsign restructuring
Message-ID: <24932@usc.edu>
Date: 27 May 90 05:50:54 GMT
References: <9005250813.AA16300@ucbvax.Berkeley.EDU>
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 9
Posted: Sun May 27 06:50:54 1990

In article <9005250813.AA16300@ucbvax.Berkeley.EDU> MROWEN@STLAWU.BITNET (Mike Owen W9IP) writes:
>here in New York
>people only toggle to the obvious implication of my callsign.
>Mike Owen, W9IP/2

That's funny. I wouldn't expect that most hams would know that IP stands for "Internet Protocol", in NY or anywhere else!

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

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From -4276145666398493478
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64015797f5ee873f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-27 00:23:32 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9005270703.AA10727@ucbvax.Berkeley.EDU>
Date: 26 May 90 20:11:59 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 405
Posted: Sat May 26 21:11:59 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #701 -
Alouette 1
1 00424U 62B-A  1 90143.97482870  .00000248  00000-0  28755-3 0  3260
2 00424  80.4630 309.9464 0023488 337.6047  22.4082 13.67348077379387
ATS 3
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1 03029U 67111  A 90142.68492804 -.00000074  00000-0  99999-4 0  3789
2 03029  13.1768  21.4399 0015629 212.3151 147.5102  1.00272520 82535
Cosmos 398
1 04966U 71 16  A 90144.78341152  .00089186  17344-4  49750-3 0  8878
2 04966  51.5025 297.6666 2289506 103.1750 283.2674 11.02262262589116
Starlette
1 07646U 75010  A 90142.69374957  .00000095  00000-0  16908-3 0   769
2 07646  49.8190 259.0813 0206493 106.9745 255.3890 13.82140148772257
LAGEOS
1 08820U 76039  A 90140.54852092  .00000002  00000-0  00000 0 0   826
2 08820 109.8518 345.6617 0044634 244.1467 115.4691  6.38664018 72179
GPS-0001
1 10684U 78020  A 90135.02785213  .00000008  00000-0  99999-4 0  4297
2 10684  63.7072  90.5779 0117004 199.3695 160.1636  2.00556962 75187
GPS-0002
1 10893U 78 47  A 90141.98331441 -.00000025  00000-0  00000 0 0  1893
2 10893  64.3834 331.2073 0165040  25.9786 335.0424  2.00545445 88144
SeaSat 1
1 10967U 78064  A 90144.28379506  .00001750  00000-0  64809-3 0  3364
2 10967 108.0132 270.8255 0002415 254.7085 105.3794 14.35670372623022
GPS-0003
1 11054U 78093  A 90142.77153556 -.00000024  00000-0  00000 0 0  2273
2 11054  63.9271 327.4966 0059623 117.6617 242.9655  2.00567167 85170
Nimbus 7
1 11080U 78098  A 90135.18859138  .00000105  00000-0  12445-3 0  6760
2 11080  99.1976  40.8596 0008718 166.2796 193.8597 13.83428874583473
GPS-0004
1 11141U 78112  A 90139.37985724  .00000008  00000-0  00000 0 0  3793
2 11141  63.7037  90.3248 0060489 316.3486  43.1534  2.00558433 83809
GPS-0005
1 11690U 80 11  A 90141.51530849  .00000009  00000-0  00000 0 0  9805
2 11690  64.1955  92.3363 0114675 203.8799 155.5733  2.00556264 89700
GPS-0006
1 11783U 80 32  A 90143.81786223 -.00000024  00000-0  00000 0 0  1489
2 11783  63.7679 327.0523 0150081  60.9630 300.4896  2.00556700 73837
GOES 5
1 12472U 81049  A 90142.00000000 -.00000205  00000-0  99999-4 0  9339
2 12472   3.3543  76.0268 0001280 348.4696  97.4541  1.00223925 31969
DE 1
1 12624U 81 70  A 90142.97965549  .00000028  00000-0 -13758-3 0  4444
2 12624  89.0128 148.1432 6203794 290.6605  15.6910  3.51019898261237
SME
1 12887U 81100  A 90144.64058167  .00056819  00000-0  10309-2 0  6723
2 12887  97.6396 190.6793 0002917 108.8975 251.2521 15.49404875477621
Salyut 7
1 13138U 82 33  A 90144.14729790  .00043996  00000-0  48953-3 0  2715
2 13138  51.6029  65.8230 0002183 114.0252 246.0579 15.62409190461094
Cosmos 1383
1 13301U 82 66  A 90141.98886682  .00000115  00000-0  12394-3 0  5760
2 13301  82.9289 319.9776 0025924 232.7471 127.1336 13.67825967394090
LandSat 4
1 13367U 82 72  A 90143.20221691  .00000594  00000-0  14168-3 0  3444
2 13367  98.1676 206.2206 0003106 190.9069 169.2062 14.57142983417665
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IRAS
1 13777U 83  4  A 90143.31478788  .00000065  00000-0  57575-4 0  7771
2 13777  99.0248 340.4960 0013754  97.4772 262.7962 13.98779880 43462
Cosmos 1447
1 13916U 83 21  A 90142.12601580  .00000143  00000-0  14035-3 0  7265
2 13916  82.9434  31.3243 0036480 211.4354 148.4624 13.74039821359092
TDRS 1
1 13969U 83 26  B 90141.99206601  .00000127  00000-0  99999-4 0  9961
2 13969   4.4155  65.9541 0001246 356.2620   3.5170  1.00261056 92857
GOES 6
1 14050U 83 41  A 90143.53194444  .00000175  00000-0  99999-4 0  1812
2 14050   2.1351  78.1750 0002140 243.8360 137.1820  1.00275888 10029
OSCAR 10
1 14129U 83 58  B 90141.55893209 -.00000034  00000-0  00000 0 0  5259
2 14129  25.9838 203.2065 5966345 144.7263 275.5441  2.05881342 24183
GPS-0008
1 14189U 83 72  A 90141.87097250  .00000006  00000-0  99999-4 0  7607
2 14189  63.3477  88.7062 0148381 219.3184 139.5685  2.00706694 50230
LandSat 5
1 14780U 84 21  A 90144.74012127  .00001441  00000-0  32970-3 0  2017
2 14780  98.2064 205.1559 0001472  17.9887 342.1368 14.57137497331307
UoSat 2
1 14781U 84 21  B 90144.18821664  .00002736  00000-0  51446-3 0  7382
2 14781  97.9491 197.5257 0012145 329.2889  30.7646 14.65360581332454
GPS-0009
1 15039U 84 59  A 90143.46166368  .00000006  00000-0  00000 0 0  9402
2 15039  63.1097  87.8436 0021292 241.3245 118.4455  2.00612799 43549
Cosmos 1574
1 15055U 84 62  A 90141.90466492  .00000135  00000-0  13430-3 0  8779
2 15055  82.9557  81.6843 0029202  37.6802 322.6392 13.73353524296465
GPS-0010
1 15271U 84 97  A 90143.86467912 -.00000025  00000-0  00000 0 0  8383
2 15271  63.1957 326.6091 0105852 325.8924  33.4583  2.00574648 40668
Cosmos 1602
1 15331U 84105  A 90144.11462915  .00004269  00000-0  58471-3 0  2967
2 15331  82.5387  23.2256 0025372  51.0228 309.3320 14.78073592304536
NOAA 9
1 15427U 84123  A 90144.32439189  .00000867  00000-0  48940-3 0  5854
2 15427  99.1671 143.6008 0016245  76.7906 283.5075 14.12576075280614
Cosmos 1686
1 16095U 85 86  A 90144.85087677  .00036908  00000-0  41135-3 0  6444
2 16095  51.6013  62.2657 0001899 109.6630 250.5118 15.62449565262301
GPS-0011
1 16129U 85 93  A 90143.55066174  .00000007  00000-0  00000 0 0  5368
2 16129  63.8737  88.7947 0121680 149.5578 211.1216  2.00511243 33867
Mir
1 16609U 86 17  A 90144.14534100  .00083639  00000-0  10021-2 0  6778
2 16609  51.6147  91.9310 0010445 323.3826  36.6361 15.60154523244346
SPOT 1
1 16613U 86 19  A 90144.04585752  .00001238  00000-0  59926-3 0  9566
2 16613  98.7344 218.7963 0000312 150.5724 209.5630 14.20030367 60502
Cosmos 1766
1 16881U          90144.37216972  .00004403  00000-0  61074-3 0    26
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2 16881  82.5189  82.0594 0024432  69.6711 290.7123 14.77555994205638
EGP
1 16908U 86 61  A 90136.83742943  .00000012  00000-0  39252-3 0  2231
2 16908  50.0103 352.3714 0011605 113.8362 246.3777 12.44387250170951
NOAA 10
1 16969U 86 73  A 90144.30924627  .00000724  00000-0  33440-3 0  4340
2 16969  98.6040 172.7910 0013777 344.3742  15.7011 14.23609747191211
MOS-1
1 17527U 87 18  A 90143.61090469  .00000248  00000-0  20967-3 0  5524
2 17527  99.1097 216.4765 0001119 117.7406 242.3890 13.94878819165837
GOES 7
1 17561U 87 22  A 90143.53194444 -.00000024  00000-0  99999-4 0  5442
2 17561   0.0343 312.8259 0004700  87.1989 280.5848  1.00300439  5173
Kvant-1
1 17845U 87 30  A 90144.78587323  .00054732  00000-0  65860-3 0  1478
2 17845  51.6146  88.7064 0011226 326.1505  33.9004 15.60211075180496
DMSP B5D2-3
1 18123U 87 53  A 90144.27938778  .00000795  00000-0  43749-3 0  5927
2 18123  98.8204 335.2042 0015623  90.2952 270.0013 14.14033620151027
RS-10/11
1 18129U 87 54  A 90144.02991973  .00000208  00000-0  21763-3 0  1997
2 18129  82.9269 346.3798 0011655 179.3822 180.7365 13.72089768146135
Meteor 2-16
1 18312U 87 68  A 90141.93254173  .00000219  00000-0  18868-3 0  4275
2 18312  82.5518 311.1038 0012666 334.5397  25.5136 13.83645271139351
Meteor 2-17
1 18820U 88  5  A 90142.10464462  .00000257  00000-0  22012-3 0  2787
2 18820  82.5462  11.1979 0018023  40.6628 319.5877 13.84340544116572
DMSP B5D2-4
1 18822U 88  6  A 90144.26914728  .00000832  00000-0  39759-3 0  4916
2 18822  98.6528  23.7964 0006740 350.3359   9.7688 14.21439878119429
AO-13
1 19216U 88 51  B 90135.35859508  .00000197  00000-0  99999-4 0  1271
2 19216  57.0525 155.0769 6950293 227.1818  48.5912  2.09695352 14714
OKEAN 1
1 19274U 88 56  A 90144.01255727  .00003050  00000-0  42878-3 0  7984
2 19274  82.5172 181.0303 0021524 197.2747 162.7823 14.76956537101359
Meteor 3-2
1 19336U 88 64  A 90143.95390851  .00000391  00000-0  99999-3 0  4889
2 19336  82.5384 294.5715 0018254  17.2463 342.9214 13.16896060 87763
NOAA 11
1 19531U 88 89  A 90144.77668677  .00000952  00000-0  54436-3 0  2853
2 19531  98.9809  93.0606 0011961 355.4554   4.6528 14.11604827 85661
TDRS 2
1 19548U 88 91  B 90140.00000000  .00000152  00000-0  99999-4 0  1288
2 19548   0.0221  74.6829 0002606   4.7527 353.3595  1.00269968   148
Cosmos 2001
1 19796U 89 11  A 90143.27136713 -.00001084  00000-0  99999-4 0  4840
2 19796  63.1807  96.0344 7098898 319.9212   5.0699  2.00553655  9303
GPS BII-01
1 19802U 89 13  A 90142.03861096  .00000016  00000-0  99999-4 0  1303
2 19802  55.0581 198.4458 0055803 164.4555 195.7971  2.00642300  9225
Akebono
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1 19822U 89 16  A 90144.59217864  .00042335  00000-0  30712-2 0  6164
2 19822  75.1449 250.3378 4181689 236.8635  76.0645  7.09537296 31754
Meteor 2-18
1 19851U 89 18  A 90142.06940292  .00000243  00000-0  20864-3 0  2285
2 19851  82.5219 249.2604 0016333  80.2466 280.0547 13.83971007 61958
TDRS 3
1 19883U 89 21  B 90140.00000000 -.00000237  00000-0  99999-4 0  1324
2 19883   0.0464  73.4636 0001318  87.7460  35.0624  1.00258788 74650
GPS BII-02
1 20061U 89 44  A 90135.24962722 -.00000032  00000-0  00000 0 0  1331
2 20061  54.8022  17.1844 0084016 173.3576 186.7998  2.00487261  6833
Nadezhda 1
1 20103U 89 50  A 90141.94882989  .00000144  00000-0  14334-3 0  1270
2 20103  82.9565 304.3395 0039101 109.8653 250.6737 13.73589707 44116
GPS BII-03
1 20185U 89 64  A 90135.20864478  .00000016  00000-0  99999-4 0  1268
2 20185  54.9279 199.5760 0024523 156.3286 203.8620  2.00627610  5402
Activnyi
1 20261U 89 80  A 90144.22343259  .00013078  00000-0  41251-2 0  5141
2 20261  82.5964 243.7752 1258198  32.6269 334.6529 12.43724848 29612
Activnyi RB
1 20262U 89 80  C 90142.32847841  .00000995  00000-0  30920-3 0  2364
2 20262  82.5958 245.0186 1261417  37.0543 331.1227 12.43184894 29375
Magion 2
1 20281U 89 80  B 90144.27775614 -.00004177  00000-0 -13174-2 0  5147
2 20281  82.5962 243.6781 1257752  32.3783 334.8525 12.43962096 29624
GPS BII-04
1 20302U 89 85  A 90136.47204060 -.00000028  00000-0  99999-4 0  1294
2 20302  54.6464 318.3597 0032189 318.2521  41.5102  2.00376078  4234
Meteor 3-3
1 20305U 89 86  A 90141.68174839  .00000094  00000-0  22910-3 0  1297
2 20305  82.5562 236.6844 0016813  40.2042 320.0340 13.15858763 27462
COBE
1 20322U 89 89  A 90142.08285841  .00005161  00000-0  33951-2 0  1320
2 20322  99.0171 152.5573 0010017  82.2728 277.9645 14.02144055 25838
Kvant-2
1 20335U 89 93  A 90144.84988993  .00083080  00000-0  99231-3 0  2458
2 20335  51.6157  88.3857 0010541 329.4303  30.4322 15.60238613 16022
GPS BII-05
1 20361U 89 97  A 90134.23449072  .00000015  00000-0  99999-4 0   797
2 20361  54.9699 141.6148 0062040  50.1010 310.4793  2.00579149  3041
SPOT 2
1 20436U 90  5  A 90144.01073008  .00000954  00000-0  46572-3 0  2073
2 20436  98.7354 218.8151 0001429  97.1802 262.9468 14.20032878 17316
UO-14
1 20437U 90  5  B 90142.89274141  .00000637  00000-0  26982-3 0  1507
2 20437  98.7039 219.0787 0010223 228.5651 131.4469 14.28611994 17253
UO-15
1 20438U 90  5  C 90144.24304599  .00000489  00000-0  21191-3 0   860
2 20438  98.7025 220.4095 0009296 223.6163 136.4325 14.28364422 17447
PACSAT
1 20439U 90  5  D 90142.25412747  .00000692  00000-0  29135-3 0   801
2 20439  98.7039 218.5151 0010628 229.1515 130.8783 14.28715882 17162
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1 20440U 90  5  E 90142.18098675  .00000741  00000-0  31046-3 0   826
2 20440  98.7035 218.4490 0010757 229.7609 130.2650 14.28759321 17150
WO-18
1 20441U 90  5  F 90142.24192189  .00000573  00000-0  24299-3 0   824
2 20441  98.7036 218.5247 0011438 228.2713 131.7531 14.28858223 17166
LO-19
1 20442U 90  5  G 90145.10710640  .00000732  00000-0  30525-3 0   827
2 20442  98.7046 221.3983 0011576 221.9768 138.0539 14.28933348 17575
GPS BII-06
1 20452U 90  8  A 90133.39933581  .00000001  00000-0  99999-4 0   741
2 20452  54.5888 257.3903 0030965  44.6887 315.5533  2.00876723  2149
MOS-1B
1 20478U 90 13  A 90144.21157743 -.00037473  00000-0 -28256-1 0  2681
2 20478  99.1908 214.5302 0001818 109.7259 250.4091 13.94832491 14793
DEBUT
1 20479U 90 13  B 90144.15135168  .00000003  00000-0  34803-4 0   753
2 20479  99.0426 195.1993 0541743 102.9595 263.2557 12.83155784 13666
FO-20
1 20480U 90 13  C 90136.04441588  .00000027  00000-0  10967-3 0   772
2 20480  99.0411 188.6183 0541794 121.3290 244.1992 12.83133338 12620
MOS-1B R/B
1 20491U 90 13  D 90136.10780581 -.00000427  00000-0 -77931-3 0   792
2 20491  99.0427 191.4403 0471504 106.3773 258.9702 13.02729566 12220
Soyuz TM-9
1 20494U 90 14  A 90144.84988993  .00083052  00000-0  99231-3 0  1435
2 20494  51.6149  88.3853 0011197 325.8849  33.9645 15.60221548 16023
LACE
1 20496U 90 15  A 90144.06587920  .00010026  00000-0  61163-3 0  1521
2 20496  43.0927  95.2274 0013510 206.1986 153.8218 15.10377360 14870
RME
1 20497U 90 15  B 90144.17633443  .00017790  00000-0  50725-3 0  1545
2 20497  43.1061  74.5555 0013875 190.8459 169.2232 15.35683438 15142
Nadezhda 2
1 20508U 90 17  A 90141.34294283  .00000199  00000-0  20218-3 0   796
2 20508  82.9565  79.7000 0046342  61.3999 299.1816 13.73208836 11325
OKEAN 2
1 20510U 90 18  A 90144.01526209  .00003116  00000-0  47967-3 0  1482
2 20510  82.5244 119.9839 0020133 358.8480   1.2907 14.73089954 12518
INTELSAT-6
1 20523U 90 21  A 90143.99690577 -.00001540  00000-0 -11741-3 0  1501
2 20523  28.3466  62.2638 0014406 282.0434  77.7494 15.03213826 10806
Cosmos 2060
1 20525U 90 22  A 90116.74325817  .00006881  00000-0  11809-3 0  1224
2 20525  65.0254 293.0192 0009915 265.8547  94.0928 15.51981409  6691
1990 023B
1 20528U 90 23  B 90116.25209824  .00000318  00000-0  33441-3 0   711
2 20528  82.9402 184.2292 0025359 154.1527 206.0898 13.72643528  5101
GPS BII-07
1 20533U 90 25  A 90140.98718512 -.00000032  00000-0  00000 0 0   473
2 20533  55.0719  17.0265 0033840  99.7665 260.6670  2.00594792  1054
1990 025C
1 20535U 90 25  C 90119.93776890  .00236304  16509-4  17720-2 0   779
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2 20535  37.5934 350.2506 5957213 233.0842  56.2815  4.22207149  1462
1990 026A
1 20536U 90 26  A 90122.10370766 -.00001185  00000-0  99999-4 0   780
2 20536  62.9350  19.4659 7361653 318.4665   4.7275  2.00601511   721
1990 026D
1 20539U 90 26  D 90123.19890815 -.00000836  00000-0  35903-4 0   467
2 20539  63.1476  18.9963 7337411 318.6473   4.7855  2.03011371   773
Offeq 2
1 20540U 90 27  A 90143.49683308  .00975904 -16224-4  22742-2 0  1172
2 20540 143.2078  10.4627 0690512  76.5175 291.1847 14.62162587  7159
1990 027B
1 20541U 90 27  B 90123.04805883  .00708832 -16106-4  16657-2 0   794
2 20541 143.1984 260.2975 0736069 284.9261  66.9139 14.51751386  4221
PegSat
1 20546U 90 28  A 90144.74864608  .00015951  00000-0  99999-3 0   975
2 20546  94.1205 202.6551 0152821  56.6484 305.0361 15.00047512  7328
1990 028B
1 20547U 90 28  B 90122.74447785  .00003392  00000-0  26009-3 0   760
2 20547  94.1448 191.0320 0130894 131.0001 230.2685 14.95392931  4025
Cosmos 2064
1 20549U          90116.01026782 0.00000057           43968-3 0   404
2 20549  73.9807 224.1524 0017296 242.0227 117.9069 12.47018719  2487
Cosmos 2065
1 20550U 90 29  B 90123.10692118 -.00000007  00000-0  00000 0 0   410
2 20550  73.9831 214.6497 0008708 267.9873  92.0182 12.48998567  3377
Cosmos 2066
1 20551U          90115.81425470 -.00000007                    0   403
2 20551  73.9816 223.8136 0049303  55.5001 305.0697 12.59478807  2484
Cosmos 2067
1 20552U          90116.00096998 -.00000007                    0   405
2 20552  73.9808 223.6499 0039668  63.6918 296.8202 12.57707620  2504
Cosmos 2068
1 20553U          90116.10683679 -.00000007                    0   405
2 20553  73.9825 223.5724 0030768  57.5033 302.8992 12.56043351  2514
Cosmos 2069
1 20554U          90116.05451226 -.00000006                    0   400
2 20554  73.9822 223.7680 0021679  55.3317 304.9776 12.54315162  2509
Cosmos 2070
1 20555U 90 29  G 90120.39446764 -.00000024  00000-0 -11083-3 0   414
2 20555  73.9810 218.0025 0013351  33.6226 326.5671 12.52583315  3042
Cosmos 2071
1 20556U 90 29  H 90124.02949648 -.00000007  00000-0  00000 0 0   411
2 20556  73.9817 213.3030 0002572  55.7863 304.3394 12.50727585  3491
1990 029J
1 20557U 90 29  J 90122.70329070  .00001049  00000-0  95280-2 0   453
2 20557  73.9852 216.8636 0148428 234.1468 124.5703 12.22657531  3258
AsiaSat-1
1 20558U 90 30  A 90118.10702338 -.00000306  00000-0  99999-4 0   434
2 20558   0.1484 304.1688 0000300 214.8139 201.0181  1.00269829   235
1990 030B
1 20559U 90 30  B 90133.67279168  .00011178  00000-0  37832-2 0   528
2 20559  31.2905  11.0753 7319241 198.5461 105.1812  2.22962208   811
Cosmos 2072
```

```
1 20568U 90 33  A 90133.90710463  .00331011  56513-4  42018-3 0  1052
2 20568  64.7618  49.0650 0033867  86.1627 274.2603 16.05900007  4844
Palapa-B2R
1 20570U 90 34  A 90137.02166144 -.00000317  00000-0  99999-4 0   514
2 20570   0.0523  15.3218 0007680 110.1335 231.8008  1.00108506   295
1990 034B
1 20571U 90 34  B 90135.25637826  .00001978  00000-0  32479-3 0   554
2 20571  22.7504 176.4934 0628149 118.0040 248.5409 13.82067297  4332
1990 034C
1 20572U 90 34  C 90135.84989660  .00032231  00000-0  39037-2 0   491
2 20572  18.9297 347.9472 7375661 200.8035  96.7659  2.18270624   692
Cosmos 2074
1 20577U 90 36  A 90136.03907435  .00000094  00000-0  93615-4 0   474
2 20577  82.9451 138.3064 0025496 217.6457 142.2914 13.73710956  3463
1990 036B
1 20578U 90 36  B 90136.23343766  .00000116  00000-0  10984-3 0   526
2 20578  82.9425 138.1225 0018758 199.9176 160.1224 13.75018107  3492
HST
1 20580U 90 37  B 90144.02899116  .00005995  00000-0  68256-3 0   683
2 20580  28.4702  43.2557 0006169 241.1778 118.8166 14.84320861  4381
Cosmos 2075
1 20581U 90 38  A 90144.24709396 -.00004275  00000-0 -17923-3 0   877
2 20581  74.0254 356.0235 0023185 277.7210  82.1092 15.23022306  4379
1990 038B
1 20582U 90 38  B 90142.57824248  .00024584  00000-0  98348-3 0   723
2 20582  74.0294 359.4297 0031040 293.1471  66.6509 15.24541833  4124
Molniya1-77
1 20583U 90 39  A 90144.15730607  .00000070  00000-0 -16867-2 0   793
2 20583  62.7982 183.9973 7353596 288.2139   9.5835  2.00619305   573
1990 039B
1 20584U 90 39  B 90144.83967752  .03903616  41472-4  10039-2 0  1048
2 20584  62.7619  78.2685 0067648 125.7776 235.2487 16.21902308  4540
1990 039C
1 20585U 90 39  C 90143.00299260  .20468736  43342-4  40268-3 0  1065
2 20585  62.8104  85.7676 0038637 119.0946 241.4648 16.42373635  4259
1990 39D
1 20586U 90 39  D 90143.60954820  .00000419  00000-0  68663-3 0   226
2 20586  62.8248 184.0281 7395335 288.1806   9.3720  1.96420289   535
Cosmos 2076
1 20596U 90 40  A 90140.43592262 -.00001123  00000-0  18585-2 0   338
2 20596  63.0470 336.4823 7378466 318.4128   4.4963  2.00612122   441
1990 40B
1 20597U 90 40  B 90144.75265162  .02278390  40065-4  10912-2 0   714
2 20597  62.8093 240.6705 0105258 118.7545 242.5981 16.08880787  4131
1990 40D
1 20599U 90 40  D 90144.58281151 -.00000772  00000-0  45121-3 0   272
2 20599  63.1799 335.5428 7351883 318.5347   4.4816  2.03490017   535
Progress 42
1 20602U 90 41  A 90144.91397539  .00054728  00000-0  65860-3 0   274
2 20602  51.6166  88.0591 0010255 327.1455  32.9027 15.60220336180514
Cosmos 2077
1 20604U 90 42  A 90144.23101305  .00715179  39503-4  35097-3 0   475
2 20604  62.8360  29.6479 0112523  15.8681 344.6911 16.07320776  2659
```

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1990 043A
1 20607U 90 43  A 90138.62376053  .00001191  00000-0  22151-3 0   137
2 20607  89.8927 195.1221 0110687 249.3349 109.5974 14.60755225  1304
1990 043B
1 20608U 90 43  B 90140.74654777  .00004026  00000-0  75110-3 0   140
2 20608  89.8892 195.0887 0111176 242.1256 116.8664 14.60896106  1610
1990 043C
1 20609U 90 43  C 90140.61370719  .00008751  00000-0  14273-2 0    93
2 20609  89.6543 194.7454 0060768 287.8767  71.6111 14.69646090  1609
1990 044A
1 20615U 90 44  A 90144.22287104  .00274709  58231-5  21222-3 0   283
2 20615  69.9912  37.8532 0046850  14.8302 345.3427 16.12118530  1424
1990 044B
1 20616U 90 44  B 90139.22787774  .24509000  21024-4  35996-3 0   177
2 20616  69.9895  52.6361 0010629  56.4710 303.9306 16.48103991   621
1990 045D
1 20622U 90 45  D 90139.71514960  .22460648  37705-4  13934-3 0    21
2 20622  64.8674  38.8465 0010650 258.4808 102.3977 16.53666045    67
```

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

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From -2415635830661890748
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93eda2a5a157b821
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-27 08:04:25 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!texbell!nuchat!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Callsign re-structure
Message-ID: <7&A-G2&@splut.conmicro.com>
Date: 27 May 90 13:29:13 GMT
References: <9005251954.AA06231@ti.com>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 16
Posted: Sun May 27 14:29:13 1990

In article <9005251954.AA06231@ti.com> dube@cpdvax.csc.ti.com (DUBE TODD) writes:
>Robert Casey (rfc@briar.Philips.com (Robert Casey)) mentions commercial
>radio call sign "NERD" and wondered if there were a "N3RD". How about
>a new "B" prefix? It would be great for one of our private pilots...
>it could be "B1RD".

There was an article in one of the aviation magazines a few months ago
that featured a family named Bird; all of their aircraft were registered
as Nx81RD. One of their helicopters even had the 8 modified to look more
like a B.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can

```
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
attctc, RIP. It was nice knowing ya +---------------------------------------
 Teaching a Yankee to be polite is a lot like teaching a Texan to be humble.


From 4789275422794168547
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4d6b3418c48ab50,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,e4d6b3418c48ab50,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-05-27 13:49:54 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Stealth Paint Needed
Message-ID: <2341@anasaz.UUCP>
Date: 27 May 90 15:53:49 GMT
Reply-To: john@anasaz.UUCP (John Moore)
Followup-To: rec.ham-radio
Organization: Anasazi, Inc.
Lines: 20
Xref: gmdzi rec.ham-radio:11777 sci.electronics:6859
Posted: Sun May 27 16:53:49 1990

I would like to paint my HF beam with some camo-colors so as to
reduce its visual impact. I tried this once before with a 2-meter
beam, and the effect was stunning - the antenna just disappeared.
I should mention that the only angles at which it was visible in
the first place were from a long distance, horizontal, with mountain/
folliage backdrop.

The problem is that the paint apparently had a significant dielectric
effect, screwing up the antenna. I certainly don't want to mess up
my HF beam!

Does anyone KNOW where to get paint with minimal effect, that can be
applied directly to aluminum radiating surfaces? Does anyone know what
this stuff is called, or specific brands?

--
John Moore HAM:NJ7E/CAP:T-Bird 381  {asuvax,mcdphx}!anasaz!john john@anasaz.UUCP
Voice: (602) 951-9326 (day or eve)   FAX:602-861-7642  Advice: Long palladium,
USnail: 7525 Clearwater Pkwy, Scottsdale, AZ 85253     ......: Short petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!


From 7422023026420882941
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,27bf0029c5dd2039,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f74ae,27bf0029c5dd2039,start
X-Google-Attributes: gidf74ae,public
```

X-Google-Thread: 105d97,27bf0029c5dd2039,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-05-27 15:13:14 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!apple!agate!
helios.ee.lbl.gov!nosc!crash!orbit!pnet51!schaper
From: schaper@pnet51.orb.mn.org (S Schaper)
Newsgroups: rec.ham-radio,sci.astro,sci.electronics
Subject: Re: HST transmissions
Message-ID: <2631@orbit.cts.com>
Date: 27 May 90 22:13:14 GMT
Sender: news@orbit.cts.com
Organization: People-Net [pnet51], Minneapolis, MN.
Lines: 6
Xref: gmdzi rec.ham-radio:11786 sci.astro:4279 sci.electronics:6866
Posted: Sun May 27 23:13:14 1990
X-Local-Date: 27 May 90 15:13:14 PDT

Does this mean that some people with the proper equiptment could intercept digital image downloads from the HST, (in the future of course)?

UUCP: {amdahl!bungia, uunet!rosevax, chinet, killer}!orbit!pnet51!schaper
ARPA: crash!orbit!pnet51!schaper@nosc.mil
INET: schaper@pnet51.cts.com

From -4500484920074359964
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11242b,d6ef81551021de8d
X-Google-Attributes: gid11242b,public
X-Google-Thread: 10c9e3,93eda2a5a157b821
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-28 00:42:40 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!natinst!sequoia!attdso!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Callsign re-structure
Summary: custom calls
Message-ID: <758@ssc.UUCP>
Date: 27 May 90 15:12:37 GMT
References: <9005230703.AA26136@ucbvax.Berkeley.EDU>
Organization: very little
Lines: 24
Posted: Sun May 27 16:12:37 1990

In article <9005230703.AA26136@ucbvax.Berkeley.EDU>, MCL9337@TAMVENUS.BITNET writes:
>
>
> I understand that you used to be able to pick your own. Is this true? One of
> our more notable hams in town, Tom Comstock, has N5TC.
>

Years ago you could request a "custom" call for $20.00. I think you
had to be General class or higher to do this.

For a period in the 1970s if you upgraded to Extra, you could choose
a 2 letter suffix of a 1x2 call to your liking. My pal K7JCA chose
K7SS, because it was snappy in contests (especially ARRL Sweepstakes).

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -5931275412504078142
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e28ee45d513f9149,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-28 00:47:16 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!ucbvax!ucsfcgl!pixar!
pixar.uucp!whorfin
From: whorfin@pixar.uucp (Entropy is the essence of free will.)
Newsgroups: rec.ham-radio
Subject: Request for mods for Pro-38 handheld scanner
Message-ID: <11034@pixar.UUCP>
Date: 28 May 90 00:19:47 GMT
Sender: news@pixar.UUCP
Organization: Pixar -- Marin County, California
Lines: 11
Posted: Mon May 28 01:19:47 1990

If anyone knows of mods to the Radio Shack Pro-38, would you please mail them
to me? This might even be of general interest, since I could not find them
on the hamster archive. I'm particularly interested in adding 800 Mhz coverage,
adding 66-88 Mhz, and expanding the channel memory. Responses which say
``you can't do that'' are also welcome.

Thanks.

```
     Rick Sayre                        "Use more honey;
             ucbvax!pixar!whorfin              find out what she knows"
             ucbvax!pixar.com!whorfin (after 6/15)
```

From -7280193951785805518
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c979a163ceca76c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-28 00:51:09 PST

Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!wuarchive!udel!mvac23!thomas
From: thomas@mvac23.UUCP (Thomas Lapp)
Newsgroups: rec.ham-radio
Subject: Re: Neat ham tricks...
Message-ID: <252.UUL1.3#5131@mvac23.UUCP>
Date: 28 May 90 02:14:17 GMT
References: <9005262018.AA09589@ucbvax.Berkeley.EDU>
Sender: usenet@udel.EDU
Organization: MultiVac23, Newark, DE, U.S.A.
Lines: 21
Posted: Mon May 28 03:14:17 1990

> So... let's hear your stories about how you were rescued from various real
> and not-so-real emergencies thanks to the radio. I carrry my HT with me
> EVERYWHERE I go, and people give me a hard time about it. But I know that
> it will come in very handy someday when there is some form of accident or
> other incident that precludes my getting to a telephone.

I met a fellow recently who carries his HT with him on his belt loop like
an official looking person. Both he and his wife have tickets, so when
he is out and about town he can contact her via a local repeater. So
his HT is basically a cellular phone! (Actually more truth to that since
the repeater he hits has an autopatch).
                         - tom

--
internet   : mvac23!thomas@udel.edu or thomas%mvac23@udel.edu
uucp   : {ucbvax,mcvax,psuvax1,uunet}!udel!mvac23!thomas
Europe Bitnet: THOMAS1@GRATHUN1   Location: Newark, DE, USA
Quote   : The only way to win thermonuclear war is not to play.

--
The UUCP Mailer

From 3565527812213559705
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e364b46aa275d979,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-28 01:43:43 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Uniden 2600 mod warning
Keywords: NG
Message-ID: <97054@philabs.Philips.Com>
Date: 28 May 90 03:42:40 GMT
Sender: news@philabs.Philips.Com
Lines: 18
Posted: Mon May 28 04:42:40 1990

copied from packet:

```
 Msg# TSF  Size #Rd Date/Time MsgID        From   To
27353 BF   1022   0 0527/1129 449_N3DFD    WA2RCB ALL@ALLBBS ()
  Sb: UNIDEN 2600 UPDATE
```

AS YOU ARE PROBABLY AWARE, THE UNIDEN 2510 WAS CAPABLE OF EXPANDED FREQUENCY COVERAGE WITH A SIMPLE MODIFICATION. THE NEW UNIDEN 2600 HAS A DIFFERENT TYPE CONTROLLER, A UC1202. THE DESIGN OF THE CIRCUT BOARD AROUND THIS CHIP HAS ALSO BEEN CHANGED. DO NOT ATTEMPT ANY MODIFICATION OF A 2600 WITH THIS CHIP INSTALLED. ANYONE HAVING ANY MODIFICATIONS FOR THIS GENERATION RADIO WOULD BE APPRECIATED.

Signed: WA2RCB @ N3DFD.Phila. Pa.. Z:19124. F:144.99/145.01. (GEORGE).

===

A notice found on a piece of test equipment made in Japan:
"IT PUT ON THE VINYL SHEET ON THE SURFACE OF UPPER & LOWER PANEL FOR THE PROTECTION PLEASE USE AFTER TEAR OFF VINYL SHEET WHEN USING.

From 7463679637522901920
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,98c7de3cf46e7161,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-28 06:48:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!ucbvax!BEACH.GAL.UTEXAS.EDU!perry%mbian.decnet
From: perry%mbian.decnet@BEACH.GAL.UTEXAS.EDU ("MBIAN::PERRY")
Newsgroups: rec.ham-radio
Subject: Hamster??
Message-ID: <9005290700.AA02859@ucbvax.Berkeley.EDU>
Date: 28 May 90 13:48:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 21
Posted: Mon May 28 14:48:00 1990

I have seen several references to the Hamster-Archives. What is that? Where is it? Is it ann FTP site? I guess you can tell I am new to all of this.

John Perry - KG5RG
University of Texas Medical Branch
The Marine Biomedical Institute
200 University Blvd. H-43
Galveston, Texas 77550-2772
Voice : (409) 761-2124
FAX   : (409) 762-9382

You can send mail to me at any of the following addresses:

DECnet   : MBIAN::PERRY
THEnet   : MBIAN::PERRY

Internet : perry%mbian.decnet@beach.gal.utexas.edu
BITNET   : PERRYJ@UTMBEACH
SPAN   : UTSPAN::UTADNX::MBIAN::PERRY
CSNET   : perry%mbian.decnet%beach.gal.utexas.edu@RELAY.CS.NET

From 2089096348739024115
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ef902db57c2b37cb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-28 10:17:00 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!torsqnt!tmsoft!masnet!canremote!greg.trice
From: greg.trice@canremote.uucp (GREG TRICE)
Newsgroups: rec.ham-radio
Subject: FUNKY CW CALLS
Message-ID: <b00693cafdc12661792c@canremote.uucp>
Date: 28 May 90 17:17:00 GMT
Organization: Canada Remote Systems Limited, Mississauga, ON, Canada
Lines: 1
Posted: Mon May 28 18:17:00 1990

Is I5E the shortest possible ham call on CW? And 0Q0QJY the longest?

From 3221314561192568404
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,45e1004debb7acd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-28 16:35:05 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!tekigm2!davidn
From: davidn@tekigm2.MEN.TEK.COM (David C Norton)
Newsgroups: rec.ham-radio
Subject: Re: QSL Managers
Summary: Don't complain if you got the card
Keywords: Volunteer, make a little
Message-ID: <9296@tekigm2.MEN.TEK.COM>
Date: 28 May 90 18:46:24 GMT
References: <1990May25.124640.7792@cbnewse.att.com>
Organization: Tektronix Inc., Beaverton, Or.
Lines: 39
Posted: Mon May 28 19:46:24 1990

In article <1990May25.124640.7792@cbnewse.att.com>, waco@cbnewse.att.com (john.l.broughton) writes:

> QSL managers. However, some would appear to make more than a 'little'
> at it. These people tend to tick me off a bit. I recently had the
> ocassion to work some stations who have OH2BN for a QSL manager (he
> seems to be a popular manager). As usual, I sent my card with a green
> stamp for each contact as they were worked at different times. I have
> received one card back. Guess what? It was mailed from California with

Boy, you must really have trouble with the managers who accept direct cards, but only reply via bureau.

> a 25-cent stamp. Say he handles QSLs for a dxpedition and gets 1,000
> cards from U.S. hams with a green stamp. He spends $250.00 for stamps
> and keeps $750.00. This is more than a making a little money. I have

Are you ignoring the postage from Finland to California? In case the cards were hand carried to California, the round trip air fare?

What is this really costing you? You sound as if you would be happy if the manager had spent all your money on postage. Why not just be happy you got the card?

> If QSLs are to be mailed back from the U.S., the QSL information should
> include the fact that an sase should be sent with the card. I have no
> problem with honesty, but do have a problem with deception! It is good

This information is not always known before or during an operation.

> John L. Broughton WB9VGJ
> AT&T Bell Laboratories
> 1200 E. Warrenville Rd.
> Naperville, IL 60566-7045
> (708) 713-4319
> john.l.broughton@att.com

Let us all stop complaining and have some fun!

David, AB9O

From 9150320830082296417
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7d644f381e6d604d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-28 17:46:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!TAMVENUS.BITNET!MCL9337
From: MCL9337@TAMVENUS.BITNET
Newsgroups: rec.ham-radio
Subject: Log software
Message-ID: <9005290701.AA02908@ucbvax.Berkeley.EDU>
Date: 29 May 90 00:46:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Tue May 29 01:46:00 1990

I'm thinking about writing the ultimate contact log program in Turbo C.

I would like to take ideas about what the program should be able to do. Send me your ideas by direct email, please. This should be fun.

Mark Lowe - KB5III

MCL9337@TAMVENUS.BITNET

```
From 1256865430193536748
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ef902db57c2b37cb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-28 18:20:28 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!texbell!nuchat!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: FUNKY CW CALLS
Message-ID: <XNB-4A#@splut.conmicro.com>
Date: 29 May 90 01:20:28 GMT
References: <b00693cafdc12661792c@canremote.uucp>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 20
Posted: Tue May 29 02:20:28 1990
```

In article <b00693cafdc12661792c@canremote.uucp> greg.trice@canremote.uucp (GREG TRICE) writes:
>Is I5E the shortest possible ham call on CW?

Given current ITU/ICAO callsign block assignments, yes. The only shorter
ham call would be E5E, and there's no current assignment for the E5A-E5Z
block.
I don't know if the Italians would assign it, though.

> And 0Q0QJY the longest?

Again, assuming current callsign block assignments, this one's not
valid. I don't believe 1AA-1ZZ is assigned, either, so that makes the
longest calls [JY]00[JQY][JQY][JQY]. I think Y0A-Y0Z is assigned to the
DDR (for now), but can't guess about J0A-J0Z.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
attctc, RIP. It was nice knowing ya +-------------------------------------
 Teaching a Yankee to be polite is a lot like teaching a Texan to be humble.
```

```
From 3513776266643320316
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,53843cf69ca23ecf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-28 18:28:09 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!dvinci!weyr!katz
```

From: katz@weyr.FIDONET.ORG (SYLVAN KATZ)
Newsgroups: rec.ham-radio
Subject: WPX CW TEST
Message-ID: <683.2661E6C2@weyr.FIDONET.ORG>
Date: 29 May 90 01:28:09 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 19
Posted: Tue May 29 02:28:09 1990

How was your WPX CW Contest? At this location things were lousy. It seemed as
though I was in a BLACK HOLE. About 2050Z on saturday there
was a complete blackout of everything from DC to light. For about 45 mins WWV on
all frequencies was completely wiped out. There was not
a single amateur station to be heard on 14/21/28. During the whole
time of the contest I worked every european station I heard - six
stations - 2 DJ's, 1 G, 2 YU's and 1 Y41. Not a single OK/LA/ON/OH,
etc was heard. Even more dissappointing not a single JA was heard.
The contest at this location (which is about 300 miles north of the
North Dakota - Sask border) was very, very bad. Just for the fun of
it I tried to work as many state side and SA stations as I could.
My approx 20 hours of effort yielded 245 QSO's - I can normally do that
on a good sunday afternoon. Did any of the rest of you experience
a similar WPX contest?

```
--
Sylvan Katz             Ham: VE5ZX
203 Ball Crescent       UUCP: alberta!dvinci!weyr!katz
Saskatoon, Sask         Internet: katz@weyr.FIDONET.ORG
Canada S7K 6E1          Ham bands: below 14.025/21.025/28.025 @ 0100-0300Z
(306) 934-3168
```

From 2361654956995084580
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b95205ea4c8465,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-28 19:42:04 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!pt.cs.cmu.edu!
g.gp.cs.cmu.edu!lehmann
From: lehmann@g.gp.cs.cmu.edu (Eric Lehmann)
Newsgroups: rec.ham-radio
Subject: Packet radio advice
Message-ID: <9446@pt.cs.cmu.edu>
Date: 29 May 90 02:42:04 GMT
Reply-To: lehmann@g.gp.cs.cmu.edu (Eric Lehmann)
Organization: Carnegie-Mellon University, CS/RI
Lines: 20
Posted: Tue May 29 03:42:04 1990
Keywords:

I am interested in setting up a packet radio station. I plan to operate
both HF and VHF. I may also want to operate RTTY. The transceiver end

will be a kenwood 440s or a kenwood 2m HT. The computer is a mac plus.
I am looking for hardware/software recommendations and advice.

Interesting TNC/Data controllers include:
MFJ 1278 (Data Controller), 1270, 1274 (TNCs)

AEA PK-232 (Data Controller), PK-88 (TNC)

Kantronics KAM (Data Controller), KPC-4, KPC-2, KPC-2400

I will attempt to buy the equipment used so please note any problems of early models.

If you have any recommendations or advice please send me mail. I will summerize for the net.

-Eric, n3hut

From 2308451908261264234
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fa3fe1a2052c1e4a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-28 19:58:25 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!orion.oac.uci.edu!uci-ics!gateway
From: turner@ICS.UCI.EDU (Clark Savage Turner)
Newsgroups: rec.ham-radio
Subject: Hallicrafters SX-122
Message-ID: <9005281952.aa04811@ICS.UCI.EDU>
Date: 29 May 90 02:58:25 GMT
Lines: 18
Posted: Tue May 29 03:58:25 1990

Greetings:

I just found a Hallicrafters SX-122 sitting in the trash. I want to revive it for old times sake (been a ham since these things were state of the art....)

Anyone have a manual or schematic for this radio? I would be thrilled to find one.

```
----------
Clark S. Turner                        "When the going gets weird,
WA3JPG                                  the weird turn pro."
turner@ics.uci.edu                     -Hunter Thompson
----------
-and via US Mail:
Dept. of ICS,
University of California, Irvine
Irvine, CA. 92717.
```

```
From 5280406652221102963
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,45e1004debb7acd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-28 21:42:01 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!att!cbnewsk!wheatley
From: wheatley@cbnewsk.att.com (steven.m.wheatley)
Newsgroups: rec.ham-radio
Subject: Re: QSL Managers
Summary: whew!
Keywords: Volunteer, make a little
Message-ID: <1990May29.044201.16152@cbnewsk.att.com>
Date: 29 May 90 04:42:01 GMT
References: <1990May25.124640.7792@cbnewse.att.com>
Organization: AT&T Bell Laboratories
Lines: 43
Posted: Tue May 29 05:42:01 1990
```

> This is NOT meant to flame Steve. I greatly appreciate the efforts of
 (WHEW!)

Thanks for the pat on the back John! You bring up a good point.
However, this happens quite often. For example, some guys do this,
who manage their own qsl cards, to 'fund their dx-peditions. While
I don't know this for sure, i believe ZL1AMO does this, as each card
I have sent him comes back with a us stamp. Worse than this, is the
F6 manager who requires 2 bucks for airmail reply. send one buck,
and it comes back via the buro, send a sase, and it gets trashed. I
believe this is what is happening, and has been written up in many
dx magazines. Some awards will no longer accept his qsls any more!

I guess it would be interesting to find out what happens to
the 'difference' between the money you send and the us stamp that is
used. If it goes for a 'good purpose', i.e, other than lining ones
wallet, then I suspect that, if the delay incurred in making this
happen is insignificant, maybe it is ok. I know that, for a dx
station to get a card from me, two ircs are worth 80 cents at the
post office, and 1.00 in the ham market. the stamp is 45 cents for
return air mail, and the card ranges from 2-4 cents. If
a 'donation' is included (i.e., more than 2 ircs, etc..) i usually
include a note and a picture of the ham, or some such thing. I keep
pretty accurate records, which is easy once you organized to do it
(which is a must for QSL managing!).....and as I mention before, use
it to help the dx ham out. For the garden variety dx i manage,
i.e., 8p6 and ti, i run in the red.....as some stations do not even
include sases. For the xx9 stations i manage, they generate money
in the 100's of dollars when active. thus....purchases of
significant equipment are possible. You can argue whether this is
the 'best, or appropriate' use of the money, but it seems that any
other use would come under more fire!

cheers, and thanks for the kind words for QSL managers in

general..for the most part, they are a GREAT group of people.
Consider the XX9 station i manage for, before me, hadn't answered a
QSL in 3 years! I carried over 7000 qsl cards back from my first
trip there...

--
Steven Wheatley   AT&T Consumer Products   (317) 845-3927

....!att!inuxz!wheatley

```
From -1812056443904550403
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17526e371e2c5663,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-28 23:21:00 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!brutus.cs.uiuc.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: 100 GHz and up
Message-ID: <30500551@ux1.cso.uiuc.edu>
Date: 29 May 90 06:21:00 GMT
Lines: 24
Nf-ID: #R:<9005210708.AA17201@ucbvax.Berke:-40:ux1.cso.uiuc.edu:30500551:000:1290
Nf-From: ux1.cso.uiuc.edu!phil    May 29 01:21:00 1990
Posted: Tue May 29 07:21:00 1990
```

KE9TV writes...

> Just for pedantry, the angle is not normally the phase angle of the
> carrier relative to some absolute phase reference, but the phase shift
> between the previous symbol and the current one. That way the
> modulation scheme is self-clocking.

If the data is scrambled properly, it is virtually assured of self clocking. It really does not matter if you rotate your relative angle each time you transmit a symbol; there is still a chance that some data will lose clocking on you. In the unscrambled case, consider 0000 in both absolute and relative angle systems. If not 0000, then whichever symbol will result in no angle change. With scrambling, though, it probably does not matter.

> Also, the 4x4 grid isn't quite square; it's more of a pincushion.

I would guess an array of points in a hexagonal arrangement would be ideal, but the circuitry would be more complex. Think of the problem as packing a number (in this case specifically 16) small circles in a larger one. Add to that the mathematical formula for deriving the circle id from a coordinate in the larger circle needs to be as simple as possible.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From -8034300101744119637
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3229ad8a3dacec28,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-28 23:33:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Any mods for Yaesu FT736R?
Message-ID: <30500553@ux1.cso.uiuc.edu>
Date: 29 May 90 06:33:00 GMT
References: <948@soleil.UUCP>
Lines: 15
Nf-ID: #R:soleil.UUCP:948:ux1.cso.uiuc.edu:30500553:000:769
Nf-From: ux1.cso.uiuc.edu!phil    May 29 01:33:00 1990
Posted: Tue May 29 07:33:00 1990


> >available only-in-Japan to do the 70-71 MHz band.  The 220-225  MHz  range
> >never  wound  up as an available unit.  Too Bad!  I'd guess that one could
>
> An interesting report, Erik.  But are you describing the ft736 or the ft726
> or what?  My ft736 covers 430-450 with one module, and I am sure the 220
> module is available.  The ft736 comes with 2m & 70cm; you can add 2 more
> band units, choosing from 6m, 220Mhz,  and 1.2GHz.

When I played with the FT-736 at Dayton 1.1 years ago, it tuned through the
220-225 Mhz band just fine.  Kenwood and Icom didn't see fit to consider the
non-Oscar VHF DX-er.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From -8554320073085286600
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8316fbd0ec91f004
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-28 23:37:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Who's on 407.75MHz?
Message-ID: <30500554@ux1.cso.uiuc.edu>
Date: 29 May 90 06:37:00 GMT
References: <3342@radio.oakhill.UUCP>
Lines: 15
Nf-ID: #R:radio.oakhill.UUCP:3342:ux1.cso.uiuc.edu:30500554:000:733
Nf-From: ux1.cso.uiuc.edu!phil    May 29 01:37:00 1990
Posted: Tue May 29 07:37:00 1990
```

> I suspect that what you heard was an image frequency. Most news media
> (on the UHF band) is situated from 450 to 451 MHz. Try looking up the
> IF (intermediate frequency) of the UHF receiver portion of your scanner,
> multiply by 2 and add it to 407.750. See if the real channel is not
> 450.xxx. In order to obtain the wide tuning ranges, most scanners do
> not have tuned "front ends", thus are susceptible to images; a frus-
> trating, but common, problem.
>
> Ken Wyatt (kenw@col.hp.com)

407.750 + (2 * 21.4 [a common IF]) = 450.550 [a common radio remote link]

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 1405642048155414095
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2586e9a36dd73d55,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-28 23:42:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!brutus.cs.uiuc.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Advice needed (requesting permissio
Message-ID: <30500555@ux1.cso.uiuc.edu>
Date: 29 May 90 06:42:00 GMT
Lines: 34
Nf-ID: #R:<9005250030.AA00582@decpa.pa.dec:-37:ux1.cso.uiuc.edu:30500555:000:1159
Nf-From: ux1.cso.uiuc.edu!phil   May 29 01:42:00 1990
Posted: Tue May 29 07:42:00 1990

> Since my prime interest in radio is monitoring railroad frequencies,
> specifically Conrail, on a whim I wrote to my local chief, politely
> asking for such a permit. To my shock, he returned a letter saying
> YES, provided I gave him:

What about the NOAA weather frequencies ???????????????????????????????

>   1. my reason for asking to listen to these frequencies.
>   (no problem).
>
>   2. "provided you present me with proof that Conrail has no
>   objection to you monitoring them".

IN the case of NOAA, there are good reasons, and they surely do not mind.

> This brings many questions to mind:
>
>   1. Will Conrail provide me with such proof?

Conrail and NOAA might both laugh an the "need" for such proof.

>   2. How should such a request be worded/phrased to eliminate
>   a negative reply?
>
>   3. Is "proof" the fact that under the ECPA and Communications
>   Act of 1934, Conrail hasn't any business objecting ANYWAY?
>
> Any ideas??? Thanks very much,

Try the NOAA approach.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -476323697314671509
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e724d6ea41b2e3ea
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-28 23:48:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Damped waves, B waves
Message-ID: <30500556@ux1.cso.uiuc.edu>
Date: 29 May 90 06:48:00 GMT
References: <981@tsdiag.ccur.com>
Lines: 19
Nf-ID: #R:tsdiag.ccur.com:981:ux1.cso.uiuc.edu:30500556:000:1008
Nf-From: ux1.cso.uiuc.edu!phil   May 29 01:48:00 1990
Posted: Tue May 29 07:48:00 1990

> Does anyone out there hapen to know what a 'damped wave' or 'B wave' is?
> They're mentioned in the FCC rules, Title 47, part 97 (that's us, boys!)
> and are _strictly_prohibited_. Is this some old spark-gap stuff, or is
> it a vague reference to 'Berthold Rays' from Star Trek? Inquiring minds
> gots'ta know....See ya on DaveTV (427.25, 439.25)

They are also mentioned all over the place in (as far as I can tell) every radio service. So far I have not found the actual definition of damped waves, but I'm guessing it is spark-gap. The "damping" is the filtering used to select a frequency of a broad nature. I supposed if this is the case, one could argue that the non-coherent radiation from an incandescent light bulb through a narrowband Wratten* or dichroic filter would be prohibited by this.

[*Wratten is a trade-mark of Eastman Kodak]

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society

```
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From -5133975096043095050
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8316fbd0ec91f004
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 05:12:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!usc!jarthur!bridge2!
mips!pacbell.com!pacbell!att!cbnewse!parnass
From: parnass@cbnewse.att.com (Bob Parnass, AJ9S)
Newsgroups: rec.ham-radio
Subject: Re: Who's on 407.75MHz?
Summary: Doubt phantom was an image if heard on 3 scanners with different IFs
Message-ID: <1990May29.121239.28784@cbnewse.att.com>
Date: 29 May 90 12:12:39 GMT
References: <3342@radio.oakhill.UUCP> <30500554@ux1.cso.uiuc.edu>
Organization: AT&T Bell Laboratories, Naperville, IL
Lines: 21
Posted: Tue May 29 13:12:39 1990


charlie@oakhill.UUCP (Charlie Thompson):

 > .... I cranked up my BC-210, R-7000, and MX4000 to listen ...
 > Much to my surprise I found a local AM radio station (KLBJ-AM) using
 > 407.750 MHz as studio-to-remote director's link.

In article <30500554@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:

> > I suspect that what you heard was an image frequency...
> 407.750 + ( 2 * 21.4 [a common IF] ) = 450.550 [a common radio remote link]

In an earlier posting, I suggested Charlie heard a spur rather than an
image.  An image seemed unlikely given that the BC-210, R-7000, and
MX4000 have different IF frequencies.

Perhaps Charlie could reiterate whether he heard the signal on
all three receivers.
--
============================================================================
Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihuxz!parnass (708)979-5414


From 4849533424591038551
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3927be313d362d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,d3927be313d362d,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-05-29 06:40:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!
helios.ee.lbl.gov!nosc!crash!simpact!hamavnet!henderson
```

From: henderson@hamavnet.com
Newsgroups: rec.ham-radio.swap,rec.ham-radio
Subject: Looking for a Butternut Butterfly antenna
Message-ID: <1672.26621960@hamavnet.com>
Date: 29 May 90 13:40:32 GMT
Organization: Hamilton Avnet Computer; Culver City, CA
Lines: 10
Xref: gmdzi rec.ham-radio.swap:438 rec.ham-radio:11922
Posted: Tue May 29 14:40:32 1990
X-Local-Date: 29 May 90 06:40:32 PDT

Hello, good people,

I am looing for a used Butternut Butterfly antenna. Does anyone have one that's willing to part with?

Thanks,

```
Javier Henderson     | crash!simpact!hamavnet!henderson | These opinions
Engineering Services | Ham Packet: N6VBG @ KD7XG-1      | are all mine.
Hamilton Avnet       | WWIVNet: 1@2397                  |
```

From -5308725136190780341
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,53843cf69ca23ecf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 06:42:06 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!elroy.jpl.nasa.gov!hydra!jta
From: jta@hydra.Jpl.Nasa.Gov (Jon T. Adams)
Newsgroups: rec.ham-radio
Subject: Re: WPX CW TEST
Message-ID: <1990May29.134206.17845@elroy.jpl.nasa.gov>
Date: 29 May 90 13:42:06 GMT
References: <683.2661E6C2@weyr.FIDONET.ORG>
Sender: Jon T. Adams NW6H
Organization: Jet Propulsion Laboratory, Pasadena, CA
Lines: 19
Posted: Tue May 29 14:42:06 1990

In article <683.2661E6C2@weyr.FIDONET.ORG> katz@weyr.FIDONET.ORG (SYLVAN KATZ) writes:
>How was your WPX CW Contest? At this location things were lousy. It seemed as though I was in a BLACK HOLE. About 2050Z on saturday there
>was a complete blackout of everything from DC to light. For about 45 mins WWV on all frequencies was completely wiped out. There was not
>a single amateur station to be heard on 14/21/28. During the whole

Ahhh-HAH! More of those mysterious high-latitude, iron-ore and fresh water signal-eating antics! Gotta have something to do with sitting smack-dab in the middle of the Laurentian Shield!

@:^)

- jon NW6H

```
--
Jon Trent Adams, NW6H          | "Per Aspera Ad Astra" A Dead Roman
JTA@hydra.jpl.nasa.gov         | Way-Rad : Opinionated : Single : Prevaricator :
"jpl don't know me from squat"| Raconteur : Engineer : President, Local Chapter
Ghenghis Khan Fan Club : Honorable Mention, "Calvin" Lookalike Contest
```

From -3209059798479728O6
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95c67b013f6cda87
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 103c3f,95c67b013f6cda87
X-Google-Attributes: gid103c3f,public
X-Google-Thread: 105d97,95c67b013f6cda87
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-05-29 07:54:46 PST
Path: gmdzi!unido!mcsun!sunic!tut!santra!hemuli.tik.vtt.fi!mattila
From: mattila@hemuli.tik.vtt.fi (Sakari Mattila)
Newsgroups: comp.sys.apple2,rec.ham-radio,sci.electronics
Subject: Re: Need help with Apple2 146.76Mhz birdie (please).
Keywords: apple2, birdie, interference, rf, 146.76, clock
Message-ID: <4940@hemuli.tik.vtt.fi>
Date: 28 May 90 19:07:43 GMT
References: <4714@plains.UUCP>
Followup-To: comp.sys.apple2
Organization: Technical Research Centre of Finland, Laboratory for Information Processing (VTT/TIK)
Lines: 11
Xref: gmdzi comp.sys.apple2:2410 rec.ham-radio:11783 sci.electronics:6864
Posted: Mon May 28 20:07:43 1990

If you can not detune Apple II's clock oscillator (because of NTSC monitor), try putting FR chokes to all leads coming out of the Apple II main unit. There are quite good two part put together chokes made by Amidon Associates, Inc in the USA. Using these there is no need to remove any connectors or cut cables. Put whole cables thru chokes as near as possible to the Apple II main unit. Ask help from a radio amateur or look up some book on RFI.

```
--
Sakari M. Mattila    71307.1525@CompuServe.COM
                     mattila@tik.vtt.fi    Sakari Mattila@3:663*371.0.FNET
```

From -7589425958420436705
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b58db6526c181660
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-05-29 08:08:19 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!sdd.hp.com!hp-pcd!hplsla!bobc
From: bobc@hplsla.HP.COM (Bob Cutler)
Newsgroups: rec.ham-radio
Subject: Re: 2M antenna ideas for Dodge caravan wanted
Message-ID: <5720069@hplsla.HP.COM>
Date: 29 May 90 15:08:19 GMT
References: <577@mtune.ATT.COM>
Organization: HP Lake Stevens, WA
Lines: 15
Posted: Tue May 29 16:08:19 1990

I have a Ford Aerostar that had exactly the same problem. What I did was use a 1/2 wave glass mount antenna. The Aerostar has small triangular windows between the doors and the windshield. These are windows are low (and thin). I mounted the antenna on the drivers side window. Now, this installation isn't optimal. The antenna runs very close to the door pillar and protrudes only a few inches above the roof line. Also, I can't run more than 15W without affecting the electronic instruments (which aren't far away). All things considered, it works pretty well.
--

Bob Cutler
KE7ZJ

Hewlett-Packard
Lake Stevens Instrument Division
hplsla!bobc

From 2506392829714765885
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,57aba39f95d76c81,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 08:34:02 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp!deimos.cis.ksu.edu!rutgers!ucsd!ucbvax!MARLIN.NOSC.MIL!price
From: price@MARLIN.NOSC.MIL (James N. Price)
Newsgroups: rec.ham-radio
Subject: E-skip city!!
Message-ID: <9005291534.AA12629@marlin.nosc.mil>
Date: 29 May 90 15:34:02 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 26
Posted: Tue May 29 16:34:02 1990

Well, two unusual occurances in San Diego yesterday--it rained almost an inch (probably hasn't rained in Southern Calif. on Memorial Day for 50 years) AND the TV was hopping with E-skip all day long! The 6-meter guys were going nutz with working rare grid squares, too.

Over the course of the day I logged:

KUSD 2 Vermillion, S.D.
KXMA 2 Dickinson, N.D.
KMID 2 Midland, TX
KTWO 2 Casper, WY
KBTX 3 Bryan, TX
KSNW 3 Wichita, KS
KENM 3 Portales, NM
"Prairie Public TV" on channel 3--don't know where.

And there was lots of other stuff, too, incl. channels 4 and 5. But I couldn't stay glued to the TV all day!

Anyone else have some VHF fun yesterday?

--Jim, K6ZH

From 9136001224319330108
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c979a163ceca76c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 09:15:40 PST
Path: gmdzi!unido!mcsun!uunet!samsung!noose.ecn.purdue.edu!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: Neat ham tricks...
Message-ID: <46012@iuvax.cs.indiana.edu>
Date: 29 May 90 16:15:40 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 30
Posted: Tue May 29 17:15:40 1990

>...The drunks practically came unglued! There were several minors at
>this party and they thought we were cops!! Things settled down VERY
>quickly, and we left without further incident. Ham radio saved the day!
>
>So... let's hear your stories about how you were rescued from various
>real and not-so-real emergencies thanks to the radio...
>
>Mark Lowe - KB5III

Our local 2m repeater used to be housed in the elevator-machinery room of a building on the local university campus. The door to the room was at the top of a stairway that went nowhere else except a locked roof door.

One early Sunday morning, a ham went to the repeater site to make minor repairs. He carried his h-t on his belt. When he arrived at the machine-room door, he surprised two students smoking dope.

"You're a plainclothesman, aren't you?" one of them asked.

"Well, yeah, I've got my plain clothes on."

"Will this be alright?" asked the doper, handing him a $20 bill.

"Sure. You boys be careful, now," he said as they departed.

--

Frank   W9MKV   reid@ucs.indiana.edu

From -9162309151837505243
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17526e371e2c5663
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 09:17:13 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!mailrus!iuvax!purdue!haven!decuac!shlump.nac.dec.com!koning.enet.dec.com!koning
From: koning@koning.enet.dec.com (Paul Koning)
Newsgroups: rec.ham-radio
Subject: Re: 100 GHz and up
Message-ID: <12012@shlump.nac.dec.com>
Date: 29 May 90 16:17:13 GMT
References: <30500551@ux1.cso.uiuc.edu>
Sender: newsdaemon@shlump.nac.dec.com
Reply-To: koning@koning.enet.dec.com (Paul Koning)
Organization: Digital Equipment Corporation
Lines: 17
Posted: Tue May 29 17:17:13 1990

> If the data is scrambled properly, it is virtually assured of self clocking.
> It really does not matter if you rotate your relative angle each time you
> transmit a symbol; there is still a chance that some data will lose clocking
> on you. In the unscrambled case, consider 0000 in both absolute and relative
> angle systems. If not 0000, then whichever symbol will result in no angle
> change. With scrambling, though, it probably does not matter.

That's a common misconception. Scrambling has no effect on whether a code is self-clocking. All it does is change WHICH user data pattern causes absence of clocking.

Unfortunately this mistake is common in certain parts of the communication industry. The reality is that the ONLY way to have guaranteed clocking is to use a code that has minimum transition density guarantees. For example, FDDI is self-clocking; SONET is not.

paul

From 6750538757346219294
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f051a59f0bcce504,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 09:54:25 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!atha!tech
From: tech@cs.AthabascaU.CA (Richard Loken)
Newsgroups: rec.ham-radio
Subject: Heath/Zenith Canada has committed Suppuku
Message-ID: <1912@aurora.cs.athabascau.ca>
Date: 29 May 90 16:54:25 GMT
Organization: Athabasca University
Lines: 18
Posted: Tue May 29 17:54:25 1990

I ordered a Heathkit TNC in early April and today the order was returned with the announcement that all Heath Canada stores except Mississauga are closed and Mississauga is gone by July. I was referred to Benton Harbour.

Apparently Heath Canada was not unsuccessful but is more a victem of the new Corporate masters. Something like Studabaker.

Is this the beginning of a trend? Is Heathkit marked for execution? I know that Heath is no longer the major force that they were in the fifties through early seventies but I would still miss them.

The homogenization of planet earth.

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--
  Richard Loken VE6BSV                             : "If it doesn't copy Campy
  Athabasca University                             :  then its just a marketing
  Athabasca, Alberta Canada                        :  gimmick." - M. S. Lueke
  tech@cs.AthabascaU.CA {alberta|decwrl}!atha!tech :
```

From -3722801403257357553
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c979a163ceca76c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 10:09:25 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!elroy.jpl.nasa.gov!ames!amelia!eos!shelby!portia.stanford.edu!jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: Neat ham tricks...
Message-ID: <1990May29.170925.26184@portia.Stanford.EDU>
Date: 29 May 90 17:09:25 GMT
References: <9005262018.AA09589@ucbvax.Berkeley.EDU>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 36
Posted: Tue May 29 18:09:25 1990

Last summer, I drove from California to eastern North Dakota. While passing through Bozeman, Montana, I decided to fire up my 2m handheld, and see if I could get into the Bozeman 2m machine. So, with a QSO in progress, I look in my rear - view mirror, to see a Montana HP car with his lights on. Having been through the routine before (owning a performance car has its problems), I pulled over, and reached for the registration stuff. I noticed that the officer wasn't carrying anything, so maybe I was going to get off with a warning. Down goes the window...

"Hi Officer. What can I do for you?"

"Could I borrow your radio?"

(Shock, relief, puzzlement...)

"Are you a ham?"

"Yep"

"What's your call?"

"N7..."

So, I hand him the HT. He brings up the patch on the repeater, calls his wife, tells her he's going to be a few hours late because someone didn't show for his shift, hands me back the radio, and says thanks, and starts walking away. He then turns around, and says:

"Oh, by the way, you really should get ham license plates. We generally don't pull over hams unless they do something really stupid."

Yep, needless to say, I now have ham plates.

```
-=Paul Flaherty, N9FZX/VK2WYX | "Unix could use a more user-friendly front
->paulf@shasta.Stanford.EDU   |  end.  Does anyone have a card punch handy?"
```

```
From -3818464351289934918
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93eda2a5a157b821
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 10:16:30 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!rutgers!bellcore!casux4!jdn
From: jdn@casux4.uucp (jonathan nagy)
Newsgroups: rec.ham-radio
Subject: Re:  Callsign re-structure
Message-ID: <23686@bellcore.bellcore.com>
Date: 29 May 90 17:16:30 GMT
References: <9005251954.AA06231@ti.com>
Sender: news@bellcore.bellcore.com
Reply-To: jdn@casux4.UUCP (jonathan nagy)
Organization: Bell Communications Research, Inc.
```

Lines: 12
Posted: Tue May 29 18:16:30 1990

In article <9005251954.AA06231@ti.com> dube@cpdvax.csc.ti.com (DUBE TODD) writes:
>Robert Casey (rfc@briar.Philips.com (Robert Casey)) mentions commercial
>radio call sign "NERD" and wondered if there were a "N3RD". How about

N3RD is Dave, a very active contester, member of the Frankford Radio Club, and first class operator.

73, Jon NK2D

Jonathan Nagy
jdn@navaho.cc.bellcore.com
(201) 699-4445

From 5315865506690586611
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c979a163ceca76c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 10:26:57 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!elroy.jpl.nasa.gov!jpl-devvax!jenkins
From: jenkins@jpl-devvax.JPL.NASA.GOV (Steve Jenkins)
Newsgroups: rec.ham-radio
Subject: Re: Neat ham tricks...
Summary: don't mess with *me*
Message-ID: <8223@jpl-devvax.JPL.NASA.GOV>
Date: 29 May 90 17:26:57 GMT
References: <46012@iuvax.cs.indiana.edu>
Reply-To: jenkins@jpl-devvax.JPL.NASA.GOV (Steve Jenkins)
Organization: Jet Propulsion Laboratory, Pasadena, CA
Lines: 18
Posted: Tue May 29 18:26:57 1990

I was walking along a busy street one afternoon when two cars hit nearly head-on. I whipped my 2m HT from my belt and walked out into the street to get a better look at one driver, who was dazed and bleeding, but apparently not seriously hurt. I autodialed 911 and had the report in within 20 seconds or so.

While I was in the street my wife overheard a bystander say "He must be a cop or something."

The funny part was that a paramedic ambulance, probably just leaving Cedars-Sinai emergency (half a block away), happened upon the scene almost immediately. The whole thing took less than a minute. By then, I was no longer a cop, but somebody *really* important, because when *I* called, they got there in a hurry!

--
Steve Jenkins N6UNI   jenkins@jpl-devvax.jpl.nasa.gov
Caltech/Jet Propulsion Laboratory   (818) 354-0162

```
From -2322565243355965748
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,da89f5655be648dc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 11:06:34 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp!deimos.cis.ksu.edu!rutgers!ucsd!ucbvax!
MTS.RPI.EDU!Joel_Glickman
From: Joel_Glickman@MTS.RPI.EDU
Newsgroups: rec.ham-radio
Subject: TH215A Speaker woes
Message-ID: <1831292@MTS.RPI.EDU>
Date: 29 May 90 18:06:34 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 26
Posted: Tue May 29 19:06:34 1990
```

David A Rasmussen writes:

>I turned on my kenwood Th215 the other day and got no audio from the speaker.
>The earphone jack still works but I hadn't used that before the speaker died.
>Is this anything for someone whose electronics experience has been limited to
>soldering heathkit terminals together to look at, or is this a job for the
>folks at amateur electronic supply?

David, I had the *exact* same problem with my brand new TH215A. I think I bought the thing about 2 years ago and when I received the radio, it was in perfect working order. About 5 days later, the speaker just cut out on me. There was still audio coming out of the speaker jack however. The remedy to this problem was to order a new speaker from Kenwood. The speakers have these hair-thin wires that tend to break very easily and I suspect that this is what happened to you. It is fairly simple to replace the speaker. Simply take the cover off of the 215, desolder and pry the speaker out of the front panel. Resolder and replace with a new speaker from Kenwood. You will want to apply some kind of adhesive to the edge of the speaker to firmly secure it back in place. It should only take you less then 10 minutes... The phone number for the Kenwood parts dept. is (213) 639-9000.

Joel Glickman
Rensselaer Polytechnic Institute
Home of W2SZ and W2SZ/1 - Getting ready for June!

```
From 6305769886051513853
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,381b921f946c4620,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 11:11:00 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp!deimos.cis.ksu.edu!rutgers!ucsd!ucbvax!
```

UWPLATT.EDU!UCSBPM
From: UCSBPM@UWPLATT.EDU ("Brian P. McCarty ", N9IWP)
Newsgroups: rec.ham-radio
Subject: network analyzers
Message-ID: <899259EA97FF203FB1@uwplatt.edu>
Date: 29 May 90 18:11:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 26
Posted: Tue May 29 19:11:00 1990

A while ago someone posted plans for a 2-meter J-pole. Then some one said "use a network analyzer to find the 50 ohm point" to which someone else replied "Ya, like we have one, dream on, dude"

Well, it just so happens I have one, well, ahave acess to one. Here at UW-Platteville, we have TWO HP 3577A (5Hz-200MHz) network analyzers (while I'm bragging, let me empisize that UWP is only one of 4 or 5 universities that has these for undergrad use, and i think the only one that has 2 and lets sophmores at them, also, UWP graduated approx 30 EE's this may)

(brag mode off)

We also have an s-parameter test set along with 50.000 ohm resistors
How do I use a network analyzer to find the 50 ohm point? I'm familiar with smith charts and the general operation of the machine, but since I'm a digital emphisis, I don't really have experience with doing this sort of thing. Could someone e-mail me some hints?
Something like "probe along until 146 MHZ crossess the r=50 ohm circle" would be great.

Thanks in advance,

Brian P. McCarty, N9IWP
internet:UCSBPM@UWPLATT.EDU
bitnet:UCSBPM@UWPLATT

From 7211420475834028109
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8316fbd0ec91f004
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 11:40:58 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!elroy.jpl.nasa.gov!hydra!jta
From: jta@hydra.Jpl.Nasa.Gov (Jon T. Adams)
Newsgroups: rec.ham-radio
Subject: Re: Who's on 407.75MHz?
Message-ID: <1990May29.184058.1751@elroy.jpl.nasa.gov>
Date: 29 May 90 18:40:58 GMT
References: <3342@radio.oakhill.UUCP> <30500554@ux1.cso.uiuc.edu>
<1990May29.121239.28784@cbnewse.att.com>
Sender: Jon T. Adams NW6H

Organization: Jet Propulsion Laboratory, Pasadena, CA
Lines: 31
Posted: Tue May 29 19:40:58 1990

In article <1990May29.121239.28784@cbnewse.att.com> parnass@cbnewse.att.com (Bob Parnass, AJ9S) writes:
>
>charlie@oakhill.UUCP (Charlie Thompson):
>
> > .... I cranked up my BC-210, R-7000, and MX4000 to listen ...
> > Much to my surprise I found a local AM radio station (KLBJ-AM) using
> > 407.750 MHz as studio-to-remote director's link.
>
>In article <30500554@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
>
>> > I suspect that what you heard was an image frequency...
>> 407.750 + (2 * 21.4 [a common IF]) = 450.550 [a common radio remote link]
>
>In an earlier posting, I suggested Charlie heard a spur rather than an
>image. An image seemed unlikely given that the BC-210, R-7000, and
>MX4000 have different IF frequencies.
>
One thing that you all haven't yet considered is that it was the second harmonic of the remote microphones that are used for studio work. Not having the exact channel frequencies before me, the remote mike stuff can occupy many spectrum within many different VHF TV channels, especially around 200 - 215 MHz. Sorry I can't be more exact...

- H

--
Jon Trent Adams, NW6H | "Per Aspera Ad Astra" A Dead Roman
JTA@hydra.jpl.nasa.gov | Way-Rad : Opinionated : Single : Prevaricator :
"jpl don't know me from squat"| Raconteur : Engineer : President, Local Chapter
Ghenghis Khan Fan Club : Honorable Mention, "Calvin" Lookalike Contest

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From 7820812152036712288
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,329ae93b0fd68af1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 11:49:25 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!udel!udccvax1!mercenary
From: mercenary@vax1.acs.udel.EDU (Chad M Amberg)
Newsgroups: rec.ham-radio
Subject: president 2510
Message-ID: <6541@vax1.acs.udel.EDU>
Date: 29 May 90 18:49:25 GMT
Reply-To: mercenary@vax1.udel.edu (Jake M. Fortune)
Organization: Bwana Productions, Inc.
Lines: 18
Posted: Tue May 29 19:49:25 1990

I recently repaired a President model 2510 radio and promptly fell in love with it. Even though it is not the greatest 10 meter radio, it is a damn good one, and I have had some remarkable dx's with it. I am now in the process of buying one, and i need to know all the modifications that can be done to it. These are the ones I know of, the 11-meter conversion, and the power pod.
But i have just heard of these. If anyone could send me any information that they have i will try to post a modification on how to convert it to 100 watts am and 250 peak sideband.
please email any information, and if neccessary i will cover any postage for schemeatics.
i have heard that some of the mods were in mags like 73, so if you could at least send the issue number.
many thanks and 73's\
Jake Fortune
general radiotelephone op.
Bwana Productions
P.O. Box 9742
Newark, De. 19714

From 6523187009579806575
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c979a163ceca76c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 12:16:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Neat ham tricks...
Message-ID: <30500557@ux1.cso.uiuc.edu>
Date: 29 May 90 19:16:00 GMT
Lines: 13
Nf-ID: #R:<9005262018.AA09589@ucbvax.Berke:-40:ux1.cso.uiuc.edu:30500557:000:434
Nf-From: ux1.cso.uiuc.edu!phil   May 29 14:16:00 1990
Posted: Tue May 29 20:16:00 1990

> "You're a plainclothesman, aren't you?" one of them asked.
>
> "Well, yeah, I've got my plain clothes on."
>
> "Will this be alright?" asked the doper, handing him a $20 bill.
>
> "Sure. You boys be careful, now," he said as they departed.

He should have held out for $50.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From 3427592269844240311
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8ccb998c967c58af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 12:23:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!ncar!mephisto!mcnc!rti!tijc02!jkl141
From: jkl141@tijc02.UUCP (John Leroy    )
Newsgroups: rec.ham-radio
Subject: Re: Need diagram for old Henry TEMPO fmh-2 HT
Message-ID: <955@tijc02.UUCP>
Date: 29 May 90 19:23:09 GMT
References: <1068@xroads.UUCP>
Distribution: rec.ham-radio
Organization: Texas Instr., Johnson City TN
Lines: 32
Posted: Tue May 29 20:23:09 1990

From article <1068@xroads.UUCP>, by kjustice@xroads.UUCP (Keith Justice):
>
>
> I urgently need a schematic diagram for an old Henry Radio Tempo fmh-2
> handie talkie.  I had been using this for packet work, but it died.
> It doesn't look too tough to work on, but without a diagram ...
>
> I will be glad to pay for copying, or reasonable price for original, and
> postage.
>
> Please reply via E-mail or packet:
>
>    asuvax!xroads!kjustice
> or
>    KF7TP@W1FJI.AZ.USA.NA
>
> Thanks for anyone who can help!!!   Keith
> --
> \  /  C r o s s r o a d s  C o m m u n i c a t i o n s
>  /\   (602) 941-2005 300|1200|2400 Baud 24 hrs/day
> /  \  hplabs!hp-sdd!crash!xroads!kjustice

Call Henry Radio.  They sent me one for free.

--

         -John LeRoy

Packet Radio:      WA4VLV @ WX4S
Compuserve: 74136,401
UUCP:   mcnc!rti!tijc02!jkl141
Phone: 615-461-2440


From 3432910328311632096
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f57fbe63fdf63ee6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-29 12:53:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!tut.cis.ohio-state.edu!att!cbnewsi!fwc
From: fwc@cbnewsi.att.com (frank.w.camposano..jr)
Newsgroups: rec.ham-radio
Subject: AEA Loop Antenna Comparison
Keywords: AEA verticle beam dipole
Message-ID: <1990May29.195348.11993@cbnewsi.att.com>
Date: 29 May 90 19:53:48 GMT
Organization: AT&T Bell Laboratories
Lines: 6
Posted: Tue May 29 20:53:48 1990

I am very interested in comparison type results with the new AEA Loop antenna verses anything else. I have read some good things about the antenna here but nothing comparing it side by side with other types of antennas, even a dipole.

Thanks in advance....Frank n2bqt

From 2973802452116371428
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f830fc799690aae5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 19:41:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!aplcen!haven!decuac!shlump.nac.dec.com!
tallis.enet.dec.com!reisert
From: reisert@tallis.enet.dec.com (Jim Reisert)
Newsgroups: rec.ham-radio
Subject: Re: One less DXCC country?
Message-ID: <11940@shlump.nac.dec.com>
Date: 24 May 90 22:49:54 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 36
Posted: Thu May 24 23:49:54 1990

In article <41307@apple.Apple.COM>, winter@apple.com (Patty Winter) writes...

> [news article about the merging of the two Yemens]

>Does this mean that 4W or 70 is going away? Gee, and we're probably
>going to lose one German prefix, too. We've got to put a stop to
>all this global gemutlichkeit before we wind up with only two or
>three countries on the DXCC list. :-) :-)
>
>But seriously, anyone know what the scoop is on this one?

I can speculate. It would seem that the proper thing to do would be to delete *both* PDR Yemen and (the other - is it Arab People's Republic?) Yemen and add a new country for the merged Yemen. Remember that Germany was deleted to make way for E. and W. Germany. I also suspect that when the two Germanys merge, we'll get *back* the deleted Germany, but E. and W. Germany will become deleted. Sounds like a net loss of 2 current countries (Yemen+Germany-DL-DM-4W-7O) and a net gain of 3 deleted countries (DL+DM+4W+7O-Germany) to me. But it'll only put me one country closer to the honor roll, since I've never worked either Yemen.

jim, AD1C

p.s. Even though my Dad's on the DXAC, I don't speak for him or anyone else.

=-=

"The opinions expressed here in no way represent the views of Digital
 Equipment Corporation."

James J. Reisert   Internet: reisert@tallis.enet.dec.com
Digital Equipment Corp.   UUCP: ...decwrl!tallis.enet!reisert
295 Foster Street
P.O. Box 1123
Littleton, MA 01460

From -7643313548778104236
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3ca6730a9ecac0a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 21:38:03 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!ucla-cs!eel!cccph
From: cccph@eel.cs.ucla.edu (Charles Hobbs)
Newsgroups: rec.ham-radio
Subject: Re: Funky CW calls...
Message-ID: <35685@shemp.CS.UCLA.EDU>
Date: 25 May 90 03:50:56 GMT
References: <9005190704.AA02413@ucbvax.Berkeley.EDU> <1250171@hpnmdla.HP.COM> <45712@iuvax.cs.indiana.edu>
Sender: news@CS.UCLA.EDU
Reply-To: cccph@eel.cs.ucla.edu (Charles Hobbs)
Organization: UCLA Computer Science Department
Lines: 22
Posted: Fri May 25 04:50:56 1990

In article <45712@iuvax.cs.indiana.edu> barkeyp@silver.ucs.indiana.edu (patrick barkey) writes:
 .
 .
 . (stuff about non-US calls deleted....)
 .
 .

>Speaking of sending CW, how many of you in net-land had a chance to
>work W4KFC when he was alive? Now there was a guy who knew how to
>send code ... and knew how to operate, too.
>
W4 *K* *F* *C*????

This isn't who I think it is.....nawww, it couldn't be.....

>   -- Pat
>   WA8YVR

Charles P. Hobbs, N6YMK @ K6VE....
Internet: cccph.eel.cs.ucla.edu   Plink: oar001   Genie: C.HOBBS

From -480232082619997904
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,45e1004debb7acd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 21:55:58 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!watserv1!watmath!att!cbnewsk!wheatley
From: wheatley@cbnewsk.att.com (steven.m.wheatley)
Newsgroups: rec.ham-radio
Subject: Re: QSL Managers
Summary: from a qsl manager
Keywords: QSL
Message-ID: <1990May25.045558.1077@cbnewsk.att.com>
Date: 25 May 90 04:55:58 GMT
References: <105@ctbilbo.UUCP>
Organization: AT&T Bell Laboratories
Lines: 60
Posted: Fri May 25 05:55:58 1990

In article <105@ctbilbo.UUCP>, pete@ctbilbo.UUCP (Pete Ritter) writes:
> Is it necessary to send QSL cards to QSL managers in order to get a card
> from the station worked? Is a simple note to the manager with the usual
> band, mode, date & time (and SASE or SAE and IRC) good enough?

I do qsl cards for some 20 active stations. For me, as long as the
note contains the 'information on a qsl card' (i.e., I should be
able to use the note for an award if needed) then I am happy. Just
don't put the information buried throughout a 3 page letter telling
me about your life. I do 100 qsl cards every few days, so needless
to say, I probably won't get to that one!

>
> Do the stations worked ever get these cards? Do they even want them? If

```
> not, then we can save money by not sending cards.  If we work a station
> on several modes and or bands, do we have to send a card for each?  Again
> we can save money by sending a list with the info and not the cards.

Cards are not necessary, just convenient.  Just got a was award by
sending in a post card where someone carefully wrote out the qso
details longhand.  Stations sometimes get the cards, sometimes
not...it depends.  Usually, the dx station is casually, at least,
chasing some award or another.  If money is the issue, take your
card, or design a card, and go to a print shop.  size isn't too big
an issue...you can probably get 10 pseudo-qsl cards on a 8.5x11
piece of paper....and this will do for most purposes.

>
> If the operator worked really does want my card, then I have no problem
> sending mine, of course, but if the manager tips them, then it's a waste.
> With even simple cards costing 15 - 20 cents each, quite a cost saving
> can be had by using a list.

not sure where you buy your cards....but W4MPY sells something like
1000 'basic' qsl cards for $31.45 (see march/april 1990 National
Contest Journal, page 32 or write him callbook address).  These
cards are quite nice, and I see a lot of 'basic qsl' cards in the
managing business.  Thus, you can get away a lot cheaper than noted
above if you are willing to live with heavy card stock and one color
ink.

> Any QSL managers out there want to comment?

Being a QSL manager is a lot of fun, but also a lot of pain.  If
anyone has any other questions, fire away.  Probably the most
important rule is remember that QSL managing is a volunteer effort.
I suspect that one might make a 'little' at it, depending on the DX
station...but I doubt it pays for the coffee/beer/soft drinks
consumed, let alone the time.  I take any money gained and roll it
into the dx station in terms of new equipment, etc.  As an example,
I have furnished a good part of a satellite station in Macau over
the last year, buying amplifiers, etc in the used market.

steve wheatley KU9C
--
Steven Wheatley    AT&T Consumer Products    (317) 845-3927

....!att!inuxz!wheatley


From -8731484783303946944
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,45e1004debb7acd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 22:02:04 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!
watserv1!watmath!att!cbnewsk!wheatley
```

From: wheatley@cbnewsk.att.com (steven.m.wheatley)
Newsgroups: rec.ham-radio
Subject: Re: QSL Managers
Summary: thanks!
Keywords: QSL
Message-ID: <1990May25.050204.1241@cbnewsk.att.com>
Date: 25 May 90 05:02:04 GMT
References: <105@ctbilbo.UUCP> <23539@bellcore.bellcore.com>
Organization: AT&T Bell Laboratories
Lines: 31
Posted: Fri May 25 06:02:04 1990

> Yes, you can just send a list on a piece of paper (or a single card
> with multiple qso information on it) but there are certain risks
> involved. For one thing, this complicates life for the qsl manager
> so there is a good chance that your request will relegated to the
> bottom of the processing stack. Furthermore, suppose that you work

Good points, Joe. Even more aggravating, not so much to me, but to the ham sending a qsl to a manager, is multiple requests in one SASE for MORE than one station. Then, the dilemna is, do I just send one, or wait until the logs clear for all the qsl cards involved. I usually do the latter, but this sometimes holds a qsl card for a few months. Remember, I wait to receive verification before I send you a card. SOmetimes this is over the air (1 day after receipt of qsl), sometimes via packet, sometimes via mail. Even though I 'keep on hounding' the guys i do cards for, some of them are somewhat slow. Thus, if you have two cards to send to me, and one (or both) are needed for an award and you are hot to get them, invest in two SASES. If I can verify both at the same time, you will get one SASE back unused.

Now that I am done, I will note that some managers REQUIRE a SASE or equivalent per QSL. I don't and I find this practice (of dictating) somewhat offensive, but the realities of life indicate that, if you are in a hurry, send a SASE for each card.

cheers
--
Steven Wheatley   AT&T Consumer Products   (317) 845-3927

....!att!inuxz!wheatley

From 6864330014750023032
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,81ccb6b8728d5799
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 23:19:14 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!richard
From: richard@hpfcdc.HP.COM (Richard Artz)

Newsgroups: rec.ham-radio
Subject: Re: Need address Butternut Electronics (please)
Message-ID: <7880148@hpfcdc.HP.COM>
Date: 25 May 90 06:19:14 GMT
References: <1990May22.103921.869@mdcbbs.com>
Organization: HP Ft. Collins, Co.
Lines: 19
Posted: Fri May 25 07:19:14 1990

>/ hpfcdc:rec.ham-radio / perschau@mdcbbs.com / 4:39 am May 22, 1990 /
>Help ! After serving me faithfully for 8 years, my Butternut HF6V antenna has
>given up a few key parts to midwest winters. The owners manual lists a phone
>number that now belongs to a Texaco gas station. If anyone can send me the
>correct phone and/or address, I would sure appreciate it. Directory assistance
>does not have any listings for them.   tnx in advance.

>   Bob Perschau KA9ART (A Real Turkey)
>   uunet   uucp%uunet!mdcbbs.com!perschau
>   internet perschau@mdcbbs.com

I got my HF6V-X last month. Nice antenna, lousy documentation.
Their sheet says:
     Butternut Electronics Company
     405 East Market Street
     Lockhart, TX 78644
     (512) 398-7117

 Richard Artz   KB0GMO/KT richard@hpfcww.fc.hp.com

From -2416922109250672156
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f7742aabc27f8b94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 23:20:28 PST
Path: gmdzi!unido!mcsun!uunet!seismo!ukma!tut.cis.ohio-state.edu!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!m.cs.uiuc.edu!kenny
From: kenny@m.cs.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: TNC's / Packet Pirates
Message-ID: <13900018@m.cs.uiuc.edu>
Date: 24 May 90 17:31:00 GMT
Lines: 20
Nf-ID: #R:<9005210708.AA17246@ucbvax.Berke:-40:m.cs.uiuc.edu:13900018:000:831
Nf-From: m.cs.uiuc.edu!kenny   May 24 12:31:00 1990
Posted: Thu May 24 18:31:00 1990

KA9WGN writes:

>Yet another, and more common, way to encode multiple values is to deal
>with a sinusoidal carrier in the complex plane. Imagine an array of

>4x4 dots. Assign a number from 0 to 15 to each one. Now put a 17th
>dot in the center. The center dot refers to the carrier being turned
>off. A line from the center to any dot is the vector value. The
>length of the line is the amplitude of the carrier at that time and
>the angle of the line is the phase angle of the carrier.

Just for pedantry, the angle is not normally the phase angle of the
carrier relative to some absolute phase reference, but the phase shift
between the previous symbol and the current one. That way the
modulation scheme is self-clocking.

Also, the 4x4 grid isn't quite square; it's more of a pincushion.

Kevin, KE9TV
kenny@cs.uiuc.edu

From 8441073867332117182
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e1556eb72344ec7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 23:30:25 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!ttidca!sorgatz
From: sorgatz@ttidca.TTI.COM (Avatar)
Newsgroups: rec.ham-radio
Subject: Re: Any mods for Yaesu FT736R?
Summary: Lots of things to play with on ur 736
Keywords: mods yaesu ft736r
Message-ID: <14055@ttidca.TTI.COM>
Date: 24 May 90 18:06:24 GMT
References: <948@soleil.UUCP>
Organization: Citicorp/TTI, Santa Monica
Lines: 67
Posted: Thu May 24 19:06:24 1990

In article <948@soleil.UUCP> gopstein@soleil.UUCP (Rich Gopstein) writes:
+
+Are there any mods for the Yaesu FT736R? I checked the mods
+database, but didn't see any. I'm most interested in extended
+receive, but if you know of any mods, I'd appreciate hearing about
+them. Thanks.

I modified mine. There's a catch tho - the mod involves adding a pair of switches to the module-address lines into each of the rf modules..it's kinda funky but it does work. Look at your schematic, then wire up the switches such that your 2m and 6m modules *think* that they're 440MHz modules! The trick then is to look at the display, which reads 443.000, and mentally adding 6.0 such that you know the real frequency is 49.000MHz.

Similarly, the display will read 445.000 when the 2m module is really at 145.000. When you finish adding the switches, you'll have to powerup the '736 with the switches in the 'extended range' position. Then use one of your existing memory frequencies, transferred to either the A or B vfo, to then bandswitch up or down to the 440 band. Bingo! If you goof, the display will read "error". Start over by powering down, and then repeat the procedure. Sometimes the frontpanel logic will simply lock, just start over and it will eventually work. Mine never takes more than 2 tries. With the switches in the 'normal range' position the '736 will function as a stocker.

The range for the 6m unit is therefore 46-56 MHz, and the 2m unit will give you 140-150 MHz. Yes, the transmitter will also work this span, but keep in mind a 10 watt signal on the 49 MHz band sticks out like a sore thumb! ;-) ("Wow! Listen to *that*! He must have a better walkie-talkie than these RadioShack junkers!") ;-)

My attempts to modify the range on the 430 MHz rf module have not meet with much success, and a careful look at the schematics/numbers tell the story quite well; The module covers 430-440, a 10MHz range. Therefore, the address-line trick will yield no more coverage. The base reference crystal might be changed, but then you'll have to tweek the coils to put it into resonance. I've considered adding a submini-step relay, a pair of crystals and a pair of extra coils. This would give the module 420-430, 430-440, and 440-450 as it's total range...I'll let you know if it works..or maybe you could try it and tell me!

You will discover (if you play with the address lines) that the front panel processor has code in it's ROM to display the numbers for 1.6-2.0 MHz, 3.3-4.0 MHz, 7.0-7.2 MHz, 10.0-10.5 MHz, 18.0-18.5 MHz, 21.0-21.9 MHz, 24-25 MHz, 27-27.5 MHz, 28.0-29.7 Mhz, 50-54 MHz, 70-71 MHz (really!), 143-149 MHz, 220-225 MHz, and the 2 ranges for the 430-440/440-450 Mhz bands. I know that Yeasu made an HF module that was able to do 20,15 & 10 meters, and that there was a module thta was available only-in-Japan to do the 70-71 MHz band. The 220-225 MHz range never wound up as an available unit. Too Bad! I'd guess that one could be constructed from a spare 2m module, given some extensive changes.

There is also the possibility of adding more modules to the '736! Yup. I've seen a couple that have a 4th module added 'outboard'. Look at the schematic, you'll notice that the module-select is capable of it, but watch the line lengths! It's also possible to add some more switches to put more than 4 modules on! Think of it as a shift-key...;-) My only lament in doing these sorts of things is the lack of a proper cabinet and/or overloading the poor power supply.

Have Fun, 73! C U on OSCAR!

```
--
-Avatar-> (aka: Erik K. Sorgatz) KB6LUY          +-------------------------+
Citicorp(+)TTI                               *----------> panic trap; type = N+1 *
3100 Ocean Park Blvd. Santa Monica, CA  90405     +-------------------------+
{csun,philabs,psivax,pyramid,quad1,rdlvax,retix}!ttidca!sorgatz **
```

From 7220416300149852903
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,f3569a95476a7d96,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 02:45:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!GTE.COM!pescatore_jt%ncsd.dnet
From: pescatore_jt%ncsd.dnet@GTE.COM
Newsgroups: rec.ham-radio
Subject: The Future of Call Signs
Message-ID: <9005241113.AA03455@bunny.gte.com>
Date: 24 May 90 11:13:36 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 31
Posted: Thu May 24 12:13:36 1990

Way back when you could request call signs if you had an extra, I went to the NY City FCC Office to take the extra test. It was only open from 0900 - 1100on Wednesdays, and it was quite an adventure for a 9th grader to get into the City from Long Island (I was licensed at 12, went for the extra when I was 14 OR 15), especially during the week when you were supposed to be in school. After walking to the Long Island Rail Road station instead of high school, taking the LIRR into the City, figuring out which subway line to get close to the FCC office, finding the FCC office, etc. I got there at 0915 and was told" "Go away, kid, we give the code test only at 0905 SHARP. AND WE MEAN SHARP. Thoroughly traumatized, I did get my advanced but it wasn't until I moved to Maryland 7 or 8 years later that I went back for my extra.

Which explains why, surrounded by great contest calls like N2FB, K3SA, N3RR, K3ZO, etc., I still have a humongous call like WB2EKK. I've had it now for 20 years (wow, I'm an old fart! QCWA here I come! I will soon remember stuff in the "25 Years Ago" column in QST) and it has sorta become like a middle name. I just can't convince myself to trade it in for NZ3Z. Maryland has just about run out of those calls and is starting in on WA3x type calls. If I could be assured of becoming W A 3 DAWG I might go for it, but until you can choose your own, I guess I'm stuck. I guess it will be many, many years until they actually run out.

By the way, local guys here who work at the FCC say the reason the buy you r callsign proposal was ruled out was because of the increase in manpower required to make sure that monitoring and field offices had the latest callsign info. sounds kinda hokie to me, with about 500,000 hams at 100 500 bytes per entry, that is still only a 250 MB data base. I think most high school hackers could handle that on their dad's 386 machines.

Oh, well, meantime my advice to you rare DX stations is to work all the long calls in the pileups first to get them out of the way. Then call the KM3T and K6ZHs of the world! 73 John Pescatore W B   2   E   K   K

From 5681728316574978238
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e74e12748d8238fa,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-05-25 02:45:43 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!SMCVAX.BITNET!GOODWIN
From: GOODWIN@SMCVAX.BITNET
Newsgroups: rec.ham-radio
Subject: HT Features Advice
Message-ID: <9005250809.AA15993@ucbvax.Berkeley.EDU>
Date: 24 May 90 12:49:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 27
Posted: Thu May 24 13:49:00 1990

As a new ham of 2 months (disregard the General Callsign; I got lucky), I could use some advice on desireable features on a new 2m HT. I have around $300 to spend, and intend to use the radio for ragchewing on the local repeaters and to try some packet activity. Of course, all the manufacturer's ads just list features and acronyms and I have no idea what it all means!

Please feel free to offer an opinion on what I might want to look for in a radio. Any specific suggestions on units in my price range would also be helpful. As an aside, comments on a reliable TNC would also be useful. I don't think I need a multimode, but is there any disadvantage to not getting one?

Thanx to all, in advance, for any info...

```
==========================================================================
Dave Goodwin                                 |
Coordinator, PC Support/User Services        | To err is human.
VAX System Manager                           | To really foul things up,
---------------------------------------------| You need a computer.
BitNet/CREN : Goodwin@Smcvax                 |
Ma Bell     : (802)655-2000 X2220            |
Pony Express: Saint Michael's College        |          -Who Knows?
              Department of Computer Services |
              Winooski Park                  |
              Colchester, VT 05439           |
Ham Radio   : KA1VLJ/AG                      |
==========================================================================
```

From 4273101447747904805
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2383db3e0dcfb08a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 02:46:01 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!DDN-WMS.DDN.MIL!rtaggart
From: rtaggart@DDN-WMS.DDN.MIL (Robert Taggart)
Newsgroups: rec.ham-radio
Subject: Strange Call Signs
Message-ID: <XX.180.20673.643554522@XX.QMAIL>

Date: 24 May 90 13:08:45 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 21
Posted: Thu May 24 14:08:45 1990

While stationed in West Germany, I held three DA prefixed calls two of which were based on my last name (i.e. Taggart). They were DA1TA and DA1TG. The best one however was the last one I held because of the phonetics I derived for it. The call was DA1AV. I was in the Army and had (still have) a very deep voice so the phonetics became Department of the Army's number 1 Amateur Voice. All these calls were issued by the DBP and not selected by me.

Of course I also liked HL9AA while I was the Korea Area MARS director but that's another war story.

I think though that I probably have the worst stateside call for voice at least since no one but me seems to be able to say it without either biting their tongue or ending up calling me Ray. It's K8RYA. Doesn't look that hard but try it on the air!

Bob Taggart - K8RYA

rtaggart@ddn-wms.ddn.mil

~

From 7023250223323858310
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ef2649acb3b1ba48,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 02:46:22 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!NISD.CAM.UNISYS.COM!doug
From: doug@NISD.CAM.UNISYS.COM (Doug Hardie)
Newsgroups: rec.ham-radio
Subject: Re: INFO-HAMS Digest V90 #539
Message-ID: <9005241454.AA27272@KRONOS.NISD.CAM.UNISYS.COM>
Date: 24 May 90 14:54:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Thu May 24 15:54:50 1990

Subject: Call Signs
I got my original Novice call: WV6VVV through the lottery
What a bummer on CW. A string of Vs was the universal test signal then so no one ever came back to me. Nowdays people use "test" strung together as one letter so my call is no longer mistaken. My only regret is that I no longer have a copy of my novice QSL card. I was so relieved to get the General that I must have tossed them out. Doc, W6ZRJ, was one of my high school teachers and it was obvious that my grade would be affected

by not making General that semester. I've been in situations where my life was in danger, but it just wasn't the same as taking the General test in the S.F. FCC office at age 15.

-- Doug WA6VVV

From 2170011098301566124
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1153965540028194,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 02:46:32 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!STL-06SIMA.ARMY.MIL!wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: Book on solar phenomena
Message-ID: <9005250811.AA16130@ucbvax.Berkeley.EDU>
Date: 24 May 90 15:31:27 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Thu May 24 16:31:27 1990

Since the sun has such a major effect on radio propagation, I thought I'd mention that I've been reading a book on solar phenomena that might be of interest to people on this list -- THE RESTLESS SUN, by Donat G. Wentzel (1989, Smithsonian Institution Press, ISBN 0-87474-982-4, 279 pgs, no price indicated on dust jacket). I found this at the St. Louis Public Library; it should be available at many public and school libraries.

This looks to be a pretty good overview of the current thought about solar mechanics, behavior, and cycles. There is some degree of coverage of the terrestrial effects of solar activities, but the emphasis is on the the reasons behind the sun's actions. Reading this might make the solar forecasts and reports on the various DX programs and ham bulletins more understandable.

Regards, Will Martin

From -2103774574503232258
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,38b40c2ce843bc91,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 02:46:34 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!MEMSTVX1.BITNET!SKAGOO
From: SKAGOO@MEMSTVX1.BITNET (Suresh Kagoo)
Newsgroups: rec.ham-radio
Subject: 440 Repeater Wanted/Info
Message-ID: <9005250812.AA16169@ucbvax.Berkeley.EDU>
Date: 24 May 90 16:45:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet

Lines: 21
Posted: Thu May 24 17:45:00 1990

I am the Vice-President of the Delta Amateur Radio Club here in Memphis, Tennessee. We have a membership of about 250 members. We operate a 2m/220 linked repeater with a coverage of about 50-75 miles. We are hoping to put a standalone 440 repeater on the air soon.

I would like to hear from anybody who has either a 440 repeater for sale or has any comments on the various commercialy manufactured repeaters available on the market.

73 de N9GSA

Suresh

```
***********************************************************************

Suresh Kagoo                           Internet: Skagoo@memstvx1.bitnet
Academic Computer Services             Bitnet  : SKAGOO@MEMSTVX1
Memphis State University               Amateur Radio : N9GSA
Memphis, Tennessee                     Others available on request
***********************************************************************
```

From 3113849217517144601
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ec5d5a74b9080f59,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 02:46:45 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!STLAWU.BITNET!MROWEN
From: MROWEN@STLAWU.BITNET (Mike Owen W9IP)
Newsgroups: rec.ham-radio
Subject: Callsign restructuring
Message-ID: <9005250813.AA16300@ucbvax.Berkeley.EDU>
Date: 24 May 90 12:03:35 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Thu May 24 13:03:35 1990

To Patty Winter @ Apple.Com   (I don't know how to capture previous text yet)

I got W9IP because they didn't have any of my requested callsigns left; I indicated "whatever is next" and they gave it to me. I didn't ask for my initials because I wanted to get on EME. "W9MO" would have wreaked havoc on EME because M and O are used for signal reports. As it turned out, W9IP wasn't too bad because I lived in Illinois where the electric company is Illinois Power. However, here in New York people only toggle to the obvious implication of my callsign.

Mike Owen, W9IP/2

From -3145943742302690641
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a38f0cfebaf547f6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 02:46:45 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!sulaco.enet.dec.com!judice
From: judice@sulaco.enet.dec.com ("Lou Judice 201-562-4103 judice@sulaco.dec.com 24-May-1990 2029")
Newsgroups: rec.ham-radio
Subject: Advice needed (requesting permission to monitor)
Message-ID: <9005250030.AA00582@decpa.pa.dec.com>
Date: 25 May 90 00:30:45 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 36
Posted: Fri May 25 01:30:45 1990

Help! Advice needed!

Without going into details, in NJ any radio that operates on police frequencies is illegal in vechicles, unless you obtain a permit from your local police chief. The general belief is that such permits are impossible to get, unless you are on a local rescue squad.

Since my prime interest in radio is monitoring railroad frequencies, specifically Conrail, on a whim I wrote to my local chief, politely asking for such a permit. To my shock, he returned a letter saying YES, provided I gave him:

1. my reason for asking to listen to these frequencies. (no problem).

2. "provided you present me with proof that Conrail has no objection to you monitoring them".

This brings many questions to mind:

1. Will Conrail provide me with such proof?

2. How should such a request be worded/phrased to eliminate a negative reply?

3. Is "proof" the fact that under the ECPA and Communications Act of 1934, Conrail hasn't any business objecting ANYWAY?

Any ideas??? Thanks very much,

Lou Judice

judice@sulaco.dec.com
judice@sulaco.enet.dec.com

From -7114853432255295411
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f830fc799690aae5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 02:49:19 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!uwm.edu!rutgers!bellcore!ka9q.bellcore.com!karn
From: karn@ka9q.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Re: One less DXCC country?
Keywords: DXCC, Yemen
Message-ID: <23615@bellcore.bellcore.com>
Date: 25 May 90 07:27:33 GMT
References: <41307@apple.Apple.COM>
Sender: news@bellcore.bellcore.com
Reply-To: karn@ka9q.bellcore.com (Phil Karn)
Organization: Secular Humanists for No-Code
Lines: 25
Posted: Fri May 25 08:27:33 1990

In article <41307@apple.Apple.COM> winter@apple.com (Patty Winter) writes:
>Does this mean that 4W or 7O is going away? Gee, and we're probably
>going to lose one German prefix, too. We've got to put a stop to
>all this global gemutlichkeit before we wind up with only two or
>three countries on the DXCC list. :-) :-)

As far as telephone "country" codes go, there is not necessarily a one-to-one correspondence between country codes and actual political "countries". You quoted one example of a country with more than one code. The reverse situation also exists, right here in North America -- the US, Canada, Mexico City, and several Caribbean islands all share telephone country code "1".

Radio prefixes may also change as a result of all the unifications going on. But what *I* really want to know is what will happen to representation in the UN after 1992. As far as I'm concerned, after 1992 the entire European Community ought to get only ONE vote in the UN. Or, if they don't like that, we'll give them the alternative of allowing the US *50* votes. After all, Western Europe shouldn't be allowed to have its cake and eat it too.

Can you imagine how different the UN sponsored bodies like the ITU and CCITT would be if this were to happen? We might actually get some reasonable spectrum allocations and telecommunications standards for once. :-)

Phil

From -8834759924146218315
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43769fa522a1ed06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 02:49:35 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!uwm.edu!rutgers!
bellcore!ka9q.bellcore.com!karn
From: karn@ka9q.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Re: strange call signs
Message-ID: <23616@bellcore.bellcore.com>
Date: 25 May 90 07:52:02 GMT
References: <9005220028.AA01349@ti.com> <H1#-XQH@splut.conmicro.com>
<4a913ecf.20b6d@apollo.HP.COM> <41305@apple.Apple.COM> <2728@wyse.wyse.com>
Sender: news@bellcore.bellcore.com
Reply-To: karn@ka9q.bellcore.com (Phil Karn)
Organization: Secular Humanists for No-Code
Lines: 53
Posted: Fri May 25 08:52:02 1990

My favorite ham/license plate/policeman story of all time comes from a high school ham buddy of mine. Some years ago he worked for the Baltimore FCC field office. He had a "company car" sitting in his driveway when I dropped by his place, and I asked to poke around inside. It was a nondescript sedan from which the right front seat had been removed and replaced by a rack of equipment. It contained general coverage HF/VHF/UHF receivers, direction finding equipment, TV demodulators, you name it. Obviously they used it for undercover field enforcement. This was before I bought my R-7000, so the chance to play with a station (mobile, no less) that tuned from DC to daylight was still a novelty to me.

Anyway, as I was twiddling the knobs on the gear I casually asked my friend if the car had US Government plates or ordinary state plates (I hadn't noticed). He replied "Um, I'm not sure. I think state plates." Me: "What do you mean, you're not sure?" "Well, there's a story here I think you'll enjoy."

My friend went on to explain that the car came equipped with a stack of license plates from about 20 states. They would swap them occasionally during an investigation to keep people from getting suspicious (as though a car with a large rack of electronics where the right front seat should be wouldn't be suspicious enough.) Well, it seems that my friend often commuted to work in this car. One day, the state trooper who lived in the next block pulled him over:

"Sir, have you been in Maryland longer than 30 days?"
"Yessir." (My friend has lived in Maryland all his life.)
"Well, sir, if you're going to be in Maryland longer than 30 days, you can't have West Virginia plates on your vehicle."
"OK, no problem. I'll fix it right now"

My friend then gets out of the car, opens the trunk, pulls out a large stack of license plates, pulls out the Pennsylvania plate, and grabs a screwdriver. As he begins to swap the plates, the cop interrupts him.

"Uh, sir, if you're going to be in Maryland, then you need MARYLAND plates!!"
"Oh, why didn't you say so!"

My friend returns to the trunk, pulls out the Maryland set, and returns to work.

"Uh, sir, do you have REGISTRATIONS for all these plates?"
"Sure." My friend pulls out a thick wallet containing 20 fanfolded vehicle registrations, one for each plate. Each is registered to "US GOVERNMENT".
"Uh, sir, JUST WHO ARE YOU ANYWAY?"

My friend finally had to play his hand. He pulled out his FCC identification.

"Sir, if you had only shown that to me at the beginning we could have saved us both a lot of time..."

--Phil

From -3675297611623334674
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8ba0d7d04163cf3b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 05:05:06 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!STLAWU.BITNET!MROWEN
From: MROWEN@STLAWU.BITNET (Mike Owen W9IP/2)
Newsgroups: rec.ham-radio
Subject: Any Mods for FT736R?
Message-ID: <9005260703.AA04833@ucbvax.Berkeley.EDU>
Date: 25 May 90 12:05:06 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 21
Posted: Fri May 25 13:05:06 1990

Thanks a million to Erik Sorgatz for his out-of-band RX mod for the FT736. This is the first mod I have ever heard of for this rig. I guess its complexity is not conducive to tinkering...

One small correction, though: there is indeed a 220 MHz module for the '736. I have one, and it works fine. Got it from the dealer when I bought the rig.

Now, if someone could just find a way to get the '736 to scan with the squelch open, then we'd be making some progress.

Other suggested mods, if anyone feels up to the challenge:
  1. A=B VFO jumping

2. Set-and-forget RIT (RIT stays on while you tune around, for EME)
3. 25 watts out on 6 meters (to adequately drive a 3CX800)
4. Tunable memories

Thanks again to Mr. Sorgatz!

M.R.O.

From 4710813883219548008
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ee03dc93854dc4e8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,ee03dc93854dc4e8
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-25 06:06:39 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!bpa!cbmvax!heimat!dan
From: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Query on PRO-34 frequency mod
Message-ID: <116@heimat.UUCP>
Date: 25 May 90 04:13:09 GMT
References: <112@heimat.UUCP> <1264@urbana.mcd.mot.com>
Reply-To: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Organization: Sneakers Computing, West Lawn, PA
Lines: 27
Xref: gmdzi rec.radio.shortwave:1298 rec.ham-radio:11727
Posted: Fri May 25 05:13:09 1990

In article <1264@urbana.mcd.mot.com> paul@urbana.mcd.mot.com (Paul Jones) writes:
>In article <112@heimat.UUCP> dan@heimat.UUCP (Dan 'Sneakers' Schein) writes:
>
>>   Well I finally decided to do the 'euro' mod to my PRO-34 (restore the
>> 66 - 88 MHz range). Based on the collection of PRO-34 mods I collected
>> from the net I added a diode to D-9 (the old one removed from D-11 when
>> I restored full 800 Mhz). It appears as though I now have this new range
>> of frequencies -BUT- at the cost of my 30-54 MHz range :-(
>
>Yes, indeed. 30-54 disappears when you install D-9. I just pulled
>mine out last night. None of the instructions I saw mentioned this.

I spoke with the original poster of the mod to the net (you know the one that includes step-by-step doxs). He said the mod does kill data entry in the 30-54 range BUT freqs already entered will still scan and receive. So it looks like a small momentary contact switch will do the trick. I havent gotten chance to try it yet as ive been busy with other things.

```
--
     Dan 'Sneakers' Schein     |\/\/\/|  Quote:
     Sneakers Computing        |      |        Those who worked the hardest
     2455 McKinley Ave.        | (o)(o)        are the last to surrender.
     West Lawn, PA 19609       C      _)             -= Gary Ward =-
```

```
                              | ,___|
                              |   /
     uunet!cbmvax!heimat!dan   /____\   (or)   dan%heimat@commodore.com


From -4354716730901127874
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9fbcfc3eb50f11df,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9fbcfc3eb50f11df,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-25 06:11:49 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!ucsd!rutgers!bpa!cbmvax!heimat!dan
From: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Mods for DX-160 wanted
Message-ID: <117@heimat.UUCP>
Date: 25 May 90 05:15:27 GMT
Reply-To: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Organization: Sneakers Computing, West Lawn, PA
Lines: 15
Xref: gmdzi rec.ham-radio:11728 rec.radio.shortwave:1299
Posted: Fri May 25 06:15:27 1990

[-=-]

    Well ive finally replaced my old DX-160 with a Sangean 803A. Im very
  happy with the Sangean but im still not ready to retire my 160. So if
  you know of any mods for this old timer please mail them to me.

  Thanx in advance.
--
     Dan 'Sneakers' Schein     |\/\/\/|  Quote:
     Sneakers Computing        |      |        Those who worked the hardest
     2455 McKinley Ave.        | (o)(o)        are the last to surrender.
     West Lawn, PA 19609       C      _)              -= Gary Ward =-
                                | ,___|
                                |   /
     uunet!cbmvax!heimat!dan   /____\   (or)   dan%heimat@commodore.com


From -8318688939998668986
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ccade09745266482,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 06:28:01 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!cpdvax.csc.ti.com!
dube
From: dube@cpdvax.csc.ti.com (DUBE TODD)
Newsgroups: rec.ham-radio
Subject: Re: strange call signs (now Ham plates)
Message-ID: <9005251337.AA01193@ti.com>
Date: 25 May 90 13:28:01 GMT
```

Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6
Posted: Fri May 25 14:28:01 1990

Maybe California should emulate Texas and identify the license plates as "radio operator" right on the plates themselves. This eliminates the problem of the cop cadets who sleep through license plate identification class.

Dube   N5PDK

From -1697797277516439315
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c990000566029959,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 07:11:46 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!STL-06SIMA.ARMY.MIL!wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: Getting the back off a Sony 2002/7600D
Message-ID: <9005262014.AA09282@ucbvax.Berkeley.EDU>
Date: 25 May 90 14:11:46 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Fri May 25 15:11:46 1990

Over on the SWL group, a person posted a request for the trick of getting the back off a Sony ICF-2002/7600D radio.

I distinctly recall reading a network posting many moons ago (maybe 2 years? maybe mere?) on the ham group/list (before the SWL list existed) where the trick of dissassembling the 2002/7600D was described. I also remember carefully saving the info because I have a 7600D and might need the data sometime. Now I cannot locate it!

AAAAARRGHH!

One of those days... :-)

If the person who posted that info is still around, could you mail me the instructions, or post them? Or if anyone else out there saved the info and is better organized than I and can find it, please send me a copy. Thanks much!

Regards, Will
wmartin@st-louis-emh2.army.mil OR wmartin@stl-06sima.army.mil

From -8259180924910569478

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ee03dc93854dc4e8
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,ee03dc93854dc4e8
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-25 09:05:12 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!xanth!mcnc!thorin!news
From: news@thorin.cs.unc.edu (news)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Listening to freq. > 30.000Khz
Message-ID: <14290@thorin.cs.unc.edu>
Date: 25 May 90 14:00:40 GMT
References: <112@heimat.UUCP> <1264@urbana.mcd.mot.com> <116@heimat.UUCP>
Reply-To: hardarso@unc.cs.unc.edu (Kari Hardarson)
Organization: University Of North Carolina, Chapel Hill
Lines: 12
Xref: gmdzi rec.radio.shortwave:1301 rec.ham-radio:11730
Posted: Fri May 25 15:00:40 1990

I bought a Sony receiver (7600DS) I like it a lot, except for the fact
that you need a converter to be able to use stereo headphones with it.
I have a question which may be dumb. Is there a way to get above the
limit of 29.999MHZ. I'd really like to listen to all those exciting
stations a lot of people are describing here. Thanks.
From: hardarso@unc.cs.unc.edu (Kari Hardarson)
Path: unc!hardarso

Kari Hardarson
217 Jackson Circle
27514 Chapel Hill, NC

From 8821858714796743657
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,be83448f0c45cdcd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 09:05:42 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!ucsd!ucbvax!ibma.nerc-wallingford.ac.uk!PJML
From: PJML@ibma.nerc-wallingford.ac.uk ("Pete Lucas, NCS-TLC, Swindon U.K.")
Newsgroups: rec.ham-radio
Subject: Choosing calls.
Message-ID: <25.May.90.17:06:57.BST.#9290@UK.AC.NWL.IA>
Date: 25 May 90 16:05:42 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Fri May 25 17:05:42 1990

I always liked the idea of going to countries and trying to get 'nice'
calls. 5Z4GT and 6V6GT would have been my favourites to try for.....

(for the neophytes amongst you, a 5Z4GT is a rectifier tube, and a 6V6GT is a power beam-tetrode......)

Pete Lucas G6WBJ   PJML@UK.AC.NERC-WALLINGFORD.IBMA   0793411613

From -1956588279514950046
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43769fa522a1ed06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 09:20:49 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!trey
From: trey@ut-emx.UUCP (Trey Garlough)
Newsgroups: rec.ham-radio
Subject: Re: strange call signs
Message-ID: <30470@ut-emx.UUCP>
Date: 25 May 90 15:22:46 GMT
References: <9005220028.AA01349@ti.com> <H1#-XQH@splut.conmicro.com> <4a913ecf.20b6d@apollo.HP.COM>
Organization: The University of Texas at Austin, Austin, Texas
Lines: 29
Posted: Fri May 25 16:22:46 1990

In article <4a913ecf.20b6d@apollo.HP.COM>, hays@apollo.HP.COM (John Hays) writes:
> I am waiting for the poor soul who gets NH5HHH   :)

A few years ago when I was in the Rio Grande Valley I heard the "CW call from hell" on one of the two meter repeaters: WS5H. Getting a call like this is one of the reasons I never opted to enter the FCC Random 2x1 Callsign Sweepstakes.

In retrospect, the likelyhood of getting a *really* bad call was quite small. I just didn't understand how to play the game. Not too many calls are ever issued in a given day (or week) for a particular call area. If you pick a prefix you like (such as KM5, or whatever), you could get it with proper timing. Personally, I would avoid the letters in the beginning of the alphabet (dit-intensive letters like H and I and B don't tickle me). Given such, I could pretty much accept anything in the M-Z range, although I'm not crazy about S and V. So be it.

Call the FCC and ask what the "next" callsign is in your block. Once they get up to the right spot (say KM5M), then Fed-Ex your 610 to Gettysburg. Unfortunately, the were in the AA5xx calls by the time I got comfortable with this idea and I am having trouble getting excited by the thought of becoming a yay-yay-five. Sigh.

Maybe another PRB-3 or whatever will come along someday.

Trey Garlough
Computation Center, University of Texas, Austin, Texas 78712

trey@emx.CC.UTEXAS.EDU (internet) (512-471-3241)

From 1717948167304294389
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e1556eb72344ec7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 09:23:12 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!rex!rouge!pc!jpd
From: jpd@pc.usl.edu (jpd DugalJP)
Newsgroups: rec.ham-radio
Subject: Re: Any mods for Yaesu FT736R?
Keywords: mods yaesu ft736r
Message-ID: <9009@rouge.usl.edu>
Date: 25 May 90 15:48:55 GMT
References: <948@soleil.UUCP> <14055@ttidca.TTI.COM>
Sender: anon@rouge.usl.edu
Organization: Univ. of Southwestern La., Lafayette
Lines: 22
Posted: Fri May 25 16:48:55 1990

In article <14055@ttidca.TTI.COM> sorgatz@ttidca.TTI.COM (Avatar) writes:
> My attempts to modify the range on the 430 MHz rf module have not meet
>with much success, and a careful look at the schematics/numbers tell the
>story quite well; The module covers 430-440, a 10MHz range. Therefore,
...
>available only-in-Japan to do the 70-71 MHz band. The 220-225 MHz range
>never wound up as an available unit. Too Bad! I'd guess that one could

An interesting report, Erik. But are you describing the ft736 or the ft726
or what? My ft736 covers 430-450 with one module, and I am sure the 220
module is available. The ft736 comes with 2m & 70cm; you can add 2 more
band units, choosing from 6m, 220Mhz, and 1.2GHz.

-- James Dugal,   N5KNX   Internet: jpd@usl.edu
Associate Director   Ham packet: n5knx@w5ddl
Computing Center   US Mail: PO Box 42770 Lafayette, LA 70504
University of Southwestern LA.   Tel. 318-231-6417 U.S.A.
--
-- James Dugal,   N5KNX   Internet: jpd@usl.edu
Associate Director   Ham packet: n5knx@w5ddl
Computing Center   US Mail: PO Box 42770 Lafayette, LA 70504
University of Southwestern LA.   Tel. 318-231-6417 U.S.A.

From 8030918497308412658
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3ca6730a9ecac0a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 09:33:32 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!trey
From: trey@ut-emx.UUCP (Trey Garlough)
Newsgroups: rec.ham-radio

Subject: Re: Funky CW calls...
Message-ID: <30471@ut-emx.UUCP>
Date: 25 May 90 15:34:45 GMT
References: <9005190704.AA02413@ucbvax.Berkeley.EDU> <1250171@hpnmdla.HP.COM>
Organization: The University of Texas at Austin, Austin, Texas
Lines: 19
Posted: Fri May 25 16:34:45 1990

In article <1250171@hpnmdla.HP.COM>, donm@hpnmdla.HP.COM (Don Montgomery) writes:

> My "Elmer", W6ATJ, had a great call. didah Dah! DIDAADAAADAAAAAHHH!!!
>
> Then there's a big gun DXer in San Francisco whose call is W6AWT- I don't know
> if he's still around or not- anyway he liked to stretch out the "T" to make
> sure everyone got it right- didah didadah DAAAAAAAAAAAAAAAAAHHHHHHHHHH!! The
> guy had such a hairy signal that I could I can still envision the white-hot
> PP 2000TH plates and the neighborhood streetlights dimming in synchronism
> with his keying.

This reminds me of a conversation I had with K1MM and K1MEM at Dayton one year. Since they are both avid DXers, I asked if this didn't cause some confusion in the pileups. Jim (MEM) joked that it was actually a windfall for him, because he never had to send his whole call, just a properly timed dit.

Trey Garlough
Computation Center, University of Texas, Austin, Texas 78712
trey@emx.CC.UTEXAS.EDU (internet) (512-471-3241)

From 7102209779274334506
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3ca6730a9ecac0a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 09:33:36 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!trey
From: trey@ut-emx.UUCP (Trey Garlough)
Newsgroups: rec.ham-radio
Subject: Re: Funky CW calls...
Message-ID: <30472@ut-emx.UUCP>
Date: 25 May 90 15:37:34 GMT
References: <9005190704.AA02413@ucbvax.Berkeley.EDU> <1250171@hpnmdla.HP.COM>
<45712@iuvax.cs.indiana.edu>
Organization: The University of Texas at Austin, Austin, Texas
Lines: 11
Posted: Fri May 25 16:37:34 1990

In article <45712@iuvax.cs.indiana.edu>, barkeyp@silver.ucs.indiana.edu (patrick barkey) writes:

> 5H3TW in the last ARRL DX contest was a fun one too, at 40 WPM.
> A friend of mine (who shall go nameless) thought he had worked
> Haiti on 5 bands instead of Tanzania ...

Rumor has it that 5H3TW was trying for a special call for the WPX

Contest this weekend: 5H5H. Beware!

Trey Garlough
Computation Center, University of Texas, Austin, Texas 78712
trey@emx.CC.UTEXAS.EDU (internet) (512-471-3241)

From -1009048508447625456
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3e36df3e3dbb2b9c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,3e36df3e3dbb2b9c,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-25 11:00:56 PST
Path: gmdzi!unido!mcsun!uunet!dino!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: The PRO 2006!!!! In GROVES Catalogue ++ CONSPIRACY THEORY
Keywords: it's comming and it wants your momma
Message-ID: <1990May25.180056.1974@lopez.UUCP>
Date: 25 May 90 18:00:56 GMT
Followup-To: rec.radio.shortwave
Organization: Great White North/UPlink
Lines: 93
Xref: gmdzi rec.radio.shortwave:1324 rec.ham-radio:11755
Posted: Fri May 25 19:00:56 1990

I have not seen any one else post this, but I am sure by the time you see this, someone else might, but JUST IN CASE:

Page 23 of the latest BOB GROVE mailing says:

The Realistic Pro-2006

The most popular high performance scanner ever is even better

COMING SOON!

Well leave it to old Bob G to know more than the boys at the local RS (Radio Slouch) store!

What does it LOOK LIKE? Gosh, I said to myself. Looks exactly like my 2005. Well sure enough, Bob (Master of Hype, creator of the soon to be delivered SR-1000 with the FAKE mock up picture in every catalogue [I have DONE fake MOCKUPS I know what to look for, can you say VAPORWARE, I KNEW YOU COULD]) the picture in the 2006 ad is really a 2005. The photo is underexposed to make the scanner at first glance seem new because it is not the light grey, but a much darker hue.

RAPID 26 channels per second search. He does not mention the metal case.

Correct me if I am wrong, but can't you just clip a diode to get this feature?

NOW HERE is where I have the WB8EOH Theory of the RS SCANNER DIODES CONSPIRACY. Read closely folks, I think I am on to something.

Let us suppose that you were a marketing genius. Let us say, you wanted to OWN the scanner market for the next 5 years. What would YOU do. Now if I were in that position, here would be my plan (Let us assume that I am also greedy, and slightly devious)

I would have my people in Japan design a scanner so advanced it would blow everything else on the market out of the water ten times over.

Then I would order a billion circuit boards, but in the design I would do this.

I would set it up so that instead of selling this remarkable scanner outright, I would add DIODES to it that would CUT BACK on the performance.

One diode to CUT BACK the number of channels from the 400 that was designed into it, back to 300. One diode to SLOW DOWN the scanning rate. One diode to DELETE a band of frequencies, and so on.

So I would release the FIRST version of the scanner, and everyone would say: WOW a 300 channel scanner, wow!

I would sell that scanner for a couple years, then I would retool the case, but keep the same circuit. ONLY I would instruct the people doing the wiring to omit the diode that keeps it a 300 channel scanner, so I could sell my NEW 400 CHANNEL SCANNER!!!!

I would sell that one for a year, and then I would blow it out at a cut price, and introduce my NEXT version of the circuit board, and instruct my guys to LEAVE OUT the diode that cuts the scan rate down, so I could say "NOW A REMARKABLE 26 channels a SECOND"

Now if the WB8EOH theory holds, here is what happens next:

I would sell this new scanner for a year or two, waiting for a test case of ECPA, which will certainly get that silly law repealed, and then instruct my boys to build them without that last diode. Then I would blow out the 2006 at a rediculous low price and tell Bob Grove he could be the first to print:

THE BEST IS EVEN BETTER!!!!! NEW PRO 2007 NOW INCLUDES CELULAR!!!!!

The only fly in the ointment would be if some scanner underground had the original 300 channel pro 2003's and found out that by clipping the diodes themselves they could upgrade their OLD scanner to the one I would be selling in FIVE years, and they would not spend the $419 on the SAME scanner every one or two years.

That's what I would do if I were a savvy marketing expert wanting to corner the entire scanner market for myself.....

Sounds like science fiction huh. I shoulda cross posted to alt.conspiracy.

Comments??????

```
--
=Marquette MI: It's Not the END of the world, but you can see it from here=
==  Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash)  GWN UPLink  ==
==  3.950  Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================
```

From -1617384605353082030
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c75c4a884030bc9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 11:17:52 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!rutgers!att!cbnewsm!ka1gt
From: ka1gt@cbnewsm.att.com (robert.m.atkins)
Newsgroups: rec.ham-radio
Subject: Uniden HR-2600 Mods wanted
Keywords: How to reduce power, change scan steps ......
Message-ID: <1990May25.165649.13428@cbnewsm.att.com>
Date: 25 May 90 16:56:49 GMT
Organization: AT&T Bell Laboratories
Lines: 11
Posted: Fri May 25 17:56:49 1990

I would like to make a few mods to a Uniden Hr-2600 10m all mode radio mainly in connection with is use as an IF for transverters to 144 MHz and the higher bands. I would like to reduce the output power to a sub 100mW level to save having to use a high power attenuator and to conserve battery power (/P operation). It would also be nice to change the 5kHz scanning step size to 1kHz and to extend the frequency coverage to 28-30 MHz. Before I go digging into the radio with a soldering iron, has anyone done these mods or can anyone direct me to a source of such information?

```
                         Tnx in advance, 73   Bob Atkins KA1GT
                                              att!mhuxo!rma
```

From -487310395811086985
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b55c01c1490b1df2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 11:25:19 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!ULKYVM.BITNET!
MEHARP01
From: MEHARP01@ULKYVM.BITNET (Michael Harpe)

Newsgroups: rec.ham-radio
Subject: EBS tones
Message-ID: <9005262017.AA09500@ucbvax.Berkeley.EDU>
Date: 25 May 90 18:25:19 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: University of Louisville
Lines: 17
Posted: Fri May 25 19:25:19 1990

Can someone out there tell what the composition of an EBS alert tone is?
I am considering building an AM receiver with an EBS tone decoder on it
for use during severe weather emergencies. Our local EBS primary station
transmits the tone with severe weather alerts.

Thanks in advance. By the way, if you know of a cheap (under $50) unit
that does this, let me know as well.

```
---------------------------------------------------------------------
Michael Harpe, N4PLE                    | BITNET: MEHARP01@ULKYVM
106B Ormsby Building                    | VOICE:  502-588-7785
University of Louisville                | FAX:    502-588-5048
Louisville, KY  40292                   | AURAL:  "Mike!"
---------------------------------------------------------------------
"Sir, there is a large multi-legged creature crawling on your shoulder"
                                                  - Spock
```

From 2246577188365412631
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,98ea9c244f522653,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,98ea9c244f522653,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 11:40:50 PST
Path: gmdzi!unido!mcsun!uunet!dino!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Can I hear SATELLITES on my PRO-2005?
Keywords: birds wanted
Message-ID: <1990May25.184050.2315@lopez.UUCP>
Date: 25 May 90 18:40:50 GMT
Followup-To: rec.radio.shortwave
Organization: Great White North/UPlink
Lines: 35
Xref: gmdzi rec.radio.shortwave:1323 rec.ham-radio:11754
Posted: Fri May 25 19:40:50 1990

One thing that has always eluded my old monitoring ears has been REAL
communications satellites. The good stuff like FLTSATCOM, etc. I have
talked to people who have heard such things on their REAL communications
receivers (R-7000, etc), but nothing here has ever showed up.

Yeah, I know, Sow's Ear != Silk Purse   The 2005 is a nifty highly advanced scanner, but does not have fine tuning capabilities, etc. And it is not overly sensitive compared to an ICOM R-7000. It does what it does very well.

I have heard some of the WHEEDLE WHEEDLE sats, but I want to hear voice coms. One guy I was talking to on 20m once told me about hearing satellite relays of riverboat traffic.

Now I do have a fairly good antenna (CHANNELMASTER 5094) BUT it does not have any gain in the region (200mhz-300mhz) where I have heard some of these birds live.

I am wondering if someone out there in netland has bagged a real voice com sat on the 2005, and if so using what antenna, and what freq, and what quality signal.

This sounds like a nifty hobby, satlistening, but before I go drop a bundle of bucks on an R-7000, I would like to know what is there, and if I can at least get a hint with the 2005.

```
I will understand if the answer is:  GET A REAL RADIO, KID...
                                            ~~~~
```

```
--
=Marquette MI: It's Not the END of the world, but you can see it from here=
==  Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash)  GWN UPLink  ==
==  3.950  Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================
```

From -3606855800333147027
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3ca6730a9ecac0a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 11:53:18 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!elroy.jpl.nasa.gov!usc!ucsd!nosc!marlin!price
From: price@marlin.NOSC.MIL (James N. Price)
Newsgroups: rec.ham-radio
Subject: Re: Funky CW calls...
Message-ID: <1414@marlin.NOSC.MIL>
Date: 25 May 90 18:21:34 GMT
References: <9005190704.AA02413@ucbvax.Berkeley.EDU> <1250171@hpnmdla.HP.COM> <30471@ut-emx.UUCP>
Reply-To: price@marlin.nosc.mil.UUCP (James N. Price)
Organization: Naval Ocean Systems Center, San Diego
Lines: 20
Posted: Fri May 25 19:21:34 1990

In article <30471@ut-emx.UUCP> trey@ut-emx.UUCP (Trey Garlough) writes:
>This reminds me of a conversation I had with K1MM and K1MEM at Dayton

>one year. Since they are both avid DXers, I asked if this didn't cause
>some confusion in the pileups. Jim (MEM) joked that it was actually
>a windfall for him, because he never had to send his whole call, just
>a properly timed dit.
>
>Trey Garlough

I've had an interesting ambiguity problem of late, too. W6ZH is
also an active DXer (Pete Hoover) and he and I have been in the
pileups together a few times.

And now KI6ZH has burst on the DX scene, and he's also in San
Diego. The three of us get a few of each other's QSLs, especially
thru the buro. But we've all had a problem with trying to
convince some DX stations that it was the OTHER 6ZH who was in the
log a few minutes ago!

--Jim, K6ZH

From -4974390128610245505
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e724d6ea41b2e3ea,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 12:26:22 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!rpi!crdgw1!ge-dab!tarpit!peora!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Damped waves, B waves
Keywords: damped, waves, mode, FCC, old, antiquated
Message-ID: <981@tsdiag.ccur.com>
Date: 24 May 90 22:24:36 GMT
Organization: CONCURRENT,ENG. SERVICES,OCEANPORT NJ
Lines: 10
Posted: Thu May 24 23:24:36 1990

Does anyone out there hapen to know what a 'damped wave' or 'B wave' is?
They're mentioned in the FCC rules, Title 47, part 97 (that's us, boys!)
and are _strictly_prohibited_. Is this some old spark-gap stuff, or is
it a vague reference to 'Berthold Rays' from Star Trek? Inquiring minds
gots'ta know....See ya on DaveTV (427.25, 439.25)
--

```
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

From 2294912579278828153
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93eda2a5a157b821
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-05-25 12:36:42 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com (DUBE TODD)
Newsgroups: rec.ham-radio
Subject: Re: Callsign re-structure
Message-ID: <9005251954.AA06231@ti.com>
Date: 25 May 90 19:36:42 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Fri May 25 20:36:42 1990

Robert Casey (rfc@briar.Philips.com (Robert Casey)) mentions commercial radio call sign "NERD" and wondered if there were a "N3RD". How about a new "B" prefix? It would be great for one of our private pilots... it could be "B1RD".

:)

Dube

From -1864492799579485036
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8316fbd0ec91f004
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 14:11:50 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpcc01!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: Who's on 407.75MHz?
Message-ID: <24300011@col.hp.com>
Date: 25 May 90 16:26:43 GMT
References: <3342@radio.oakhill.UUCP>
Organization: HP Colorado Springs Division
Lines: 9
Posted: Fri May 25 17:26:43 1990

I suspect that what you heard was an image frequency. Most news media (on the UHF band) is situated from 450 to 451 MHz. Try looking up the IF (intermediate frequency) of the UHF receiver portion of your scanner, multiply by 2 and add it to 407.750. See if the real channel is not 450.xxx. In order to obtain the wide tuning ranges, most scanners do not have tuned "front ends", thus are susceptible to images; a frustrating, but common, problem.

Ken Wyatt (kenw@col.hp.com)

From 3790357738516099220
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,3b1a89cf2b98cc8c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 14:52:56 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!voder!nsc!amdahl!twg.com!obelix!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: Re: Talking to someone in Korea
Message-ID: <6789@gollum.twg.com>
Date: 25 May 90 16:51:24 GMT
References: <5274@hub.ucsb.edu>
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Distribution: rec.ham-radio
Organization: The Wollongong Group, Palo Alto, CA
Lines: 32
Posted: Fri May 25 17:51:24 1990

In article <5274@hub.ucsb.edu> 6600dong@ucsbuxa.ucsb.edu (Dong Hwan Kim) writes:

>I do now know much about Ham-Radio and I just want to know how I can communicate with my friend in korea thru ham-radio.
>Is the novice license enough for me to talk to me friend in Korea?
>Do I need to buy a very good radio since Korea is so far from USA?

Dong Hwan Kim:

It is absolutely possible to communicate with your friends in Korea using ham radio. It will not be completely reliable, and you will have to choose your time of day carefully, but you can probably have good communications with Korea several times a week. You raise several points, which I'll answer in turn:

a. A novice license is absolutely adequate, but you will have to do your communications using the international morse code. A novice license will allow you to communicate in the band 7.100 MHz - 7.150 MHz (among others), and it is on the 7 MHz band that I hear the Koreans most frequently. It is almost always possible to hear Korea from California just about sunrise each morning. You have to search hard to find them, because there are many Japanese stations active on 7 MHz at that time of day, and some of them are quite strong. But the Koreans are in there! A novice license will also allow you to transmit using voice in the range of 28.300 MHz - 28.5 MHz, but long-distance communications in that frequency range is highly unpredictable. It is only good during the daytime, and there needs to be a high level of ionization in the upper atmosphere in order for the signals to refract back to earth rather than escape into space.

b. You will not need a particularly expensive radio to reach Korea. You should expect to pay maybe $1000, somewhat less used. What will be more important than the radio will be the antenna you use. It will probably be a wire stretched horizontally (roughly 66' long, and it needs to be up as high as you can get it, and in no case less than about 45' from the ground), or a vertical aluminum tube about 33' long. Either can be made from inexpensive materials from a local hardware store.

Good luck!

From -3097979065235827431
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,821509810ea7515f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 15:35:20 PST
Path: gmdzi!unido!mcsun!uunet!ncrlnk!ncrwic!encad!enprt!hburford
From: hburford@enprt.Wichita.NCR.COM (Harry Burford)
Newsgroups: rec.ham-radio
Subject: Re: FT-470 rapid charger?
Message-ID: <654@enprt.Wichita.NCR.COM>
Date: 25 May 90 22:35:20 GMT
References: <1140033@hprnd.HP.COM>
Organization: NCR Corporation, Wichita KS
Lines: 23
Posted: Fri May 25 23:35:20 1990

billt@hprnd.HP.COM (Bill Thomas) writes:

>Is there such a thing as a rapid charger for the FT-470? I know Yaseu makes a
>fast charger, 6 hours, but what I am looking for is a true rapid charger like
>what Kenwood has for the HT 25AT.
>Thanks in advance for the information.
>Bill

I've been using the GMS-403 Nicad battery charger from Control Products Unlimited 215-383-6395 to charge ALL of my nicad batteries.   I have program modules to charge my lap-top computer battery, electric screwdriver, radio batteries, ... ect...   I have been able to recover several packs that had developed 'memory' and I thought were lost by using the chargers memory erase feature.   The 470 pack is charged in about an hour, typically.   Give CPU a call and request a brochure.
hb

--
Harry Burford - NCR Peripheral Products Division, Printer Products
PHONE: 316-636-8016   TELEX: 417-465   FAX: 316-636-8889
SLOWNET: 3718 N. Rock Road, Wichita KS   CALL: KA0TTY
C-$erve: 76367,151   SS: 9.5   Harry.Burford@Wichita.NCR.COM

From -2093005774692384883
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,821509810ea7515f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 15:38:20 PST
Path: gmdzi!unido!mcsun!uunet!ncrlnk!ncrwic!encad!enprt!hburford
From: hburford@enprt.Wichita.NCR.COM (Harry Burford)
Newsgroups: rec.ham-radio
Subject: Re: FT-470 rapid charger?
Message-ID: <655@enprt.Wichita.NCR.COM>
Date: 25 May 90 22:38:20 GMT
References: <1140033@hprnd.HP.COM> <1932@east.East.Sun.COM>

Organization: NCR Corporation, Wichita KS
Lines: 18
Posted: Fri May 25 23:38:20 1990

jimv@hienergy.East.Sun.COM (Jim Vienneau - CSS Program Manager) writes:

>>Is there such a thing as a rapid charger for the FT-470? I know Yaseu makes a
>>fast charger, 6 hours, but what I am looking for is a true rapid charger like
>I have a drop-in charger for my 470 (and the XYL's 411) that charges the
>battery in 3 hours, then reverts to a trickle charge. I think I paid about
>$60.00 for it a few months ago.
>Jim Vienneau, Sun Microsystems Inc - Billerica, MA

I have an NC-29 that takes 5 to 6 hours to 'fast' charge the pack.
What charger are you using?
hb
--
Harry Burford - NCR Peripheral Products Division, Printer Products
PHONE: 316-636-8016   TELEX: 417-465   FAX: 316-636-8889
SLOWNET: 3718 N. Rock Road, Wichita KS   CALL: KA0TTY
C-$erve: 76367,151   SS: 9.5   Harry.Burford@Wichita.NCR.COM

From -1233905875652441423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43769fa522a1ed06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 16:27:55 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!rutgers!
rochester!rit!cci632!ccicpg!mbf!wizm
From: wizm@mbf.UUCP (Marc Wiz)
Newsgroups: rec.ham-radio
Subject: Re: strange call signs
Summary: Strange but true callsign!
Message-ID: <18500@mbf.UUCP>
Date: 25 May 90 23:27:55 GMT
References: <9005220028.AA01349@ti.com> <H1#-XQH@splut.conmicro.com>
<4a913ecf.20b6d@apollo.HP.COM>
Reply-To: wizm@mbf.UUCP (Marc Wiz)
Organization: MAI Basic Four, Inc., Tustin, CA
Lines: 11
Posted: Sat May 26 00:27:55 1990

Back in the 60's a man by the name of Issac Roach got a ham ticket. He thought
the FCC had it out for him when they assigned him WA3DDT as his callsign.

```
--
:                                                    Marc Wiz                :
:      Yes, that really is my last name.             MAI Basic Four, Inc.    :
:                                                    Tustin, CA  92680       :
```

```
:  UUCP:sun!sequent!mbf!wizm                       Ma Bell:1-714-730-2602   :
:       uunet!ccicpg!mbf!wizm                                                :
```

From -734457015428636076
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eee900915d51d95a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 16:32:30 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!uoft02.utoledo.edu!desire!ums
From: ums@desire.wright.edu
Newsgroups: rec.ham-radio
Subject: Re: NUmbers Stations & Belated Rantings
Message-ID: <419.265d3c0d@desire.wright.edu>
Date: 25 May 90 19:07:09 GMT
Lines: 20
Posted: Fri May 25 20:07:09 1990

Ah, dem numbers how I loves 'em. In fact, I have only
heard a few. But then, I haven't been on the air long enough in the
past years -- my wife yupped out on me and I had to take the station
out of the living room -- so if them number stations is still around,
I'm not surprised.
But, judging from what I've heard and read, I firmly believe that
they are conspiracy con to try and dupe the true believers in the
One Trualesman into thinkng that there really is a con from somehwere
else! Gawlee, do I love that.
Those sullen sobs out there with their AR17 and AK47 -- most of 'em in
the oil soaked hills of Montana (Hi, Liz. How's the Crutch United and
Flatulent?) are dead serios. They want you to be dead serious too. Most
of all they want you dead. So, do, indeed, be careful around 'em.
Which makes me wonder if they might not have something to do with Olie
the Colonel and his gang of badgers. How many hostages have the numbers
stations caused? Will we ever know? Given the climate of the media, will
we ever want to know?
Only "Bob" Dobbs knows for sure, and he ain't talking.

WB8IJN

From -6802189915182087412
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d4007870fe67545a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 20:40:28 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!zaphod.mps.ohio-state.edu!mips!prls!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: ETO 86 amp free upgrade
Message-ID: <96833@philabs.Philips.Com>
Date: 26 May 90 03:40:28 GMT

Sender: news@philabs.Philips.Com
Lines: 10
Posted: Sat May 26 04:40:28 1990

copied from packet:

```
 Msg# TSF  Size #Rd Date/Time MsgID        From   To
26975 BF   1226   0 0517/0030 20402_K2ZM   N0HAY  INFO@NYNET ()
  Sb: ETO 86 Amps - Free Upgrade

  HI, ETO HAS A NEW CONTROLL BOARD FOR THE PA 86 AMP.  EVERY AMP SENt
  IN FOR REPair WILL BE UPGRADEd WITH NO COST PER RAY H.  ALL AMPS NOT
  UPCRADEd ON 08.01.90 WILL BE RECALLD TO THE FACT.  SO yoU ALL SEND
  yoUR AMPS IN FOR MINOR REPAIRS BEFORe THE RUSH STARTS
  73`S AND GooD DX      MARK >>>
```

From -4972206098848010884
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,45e1004debb7acd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 22:52:49 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!husc6!rutgers!att!cbnewse!waco
From: waco@cbnewse.att.com (john.l.broughton)
Newsgroups: rec.ham-radio
Subject: Re: QSL Managers
Keywords: Volunteer, make a little
Message-ID: <1990May25.124640.7792@cbnewse.att.com>
Date: 25 May 90 12:46:40 GMT
Organization: AT&T Bell Laboratories
Lines: 51
Posted: Fri May 25 13:46:40 1990

In article <1990May25.045558.1077@cbnewsk.att.com> Steven M. Wheatly writes:
>> Any QSL managers out there want to comment?

>Being a QSL manager is a lot of fun, but also a lot of pain. If
>anyone has any other questions, fire away. Probably the most
>important rule is remember that QSL managing is a volunteer effort.
>I suspect that one might make a 'little' at it, depending on the DX
>station...but I doubt it pays for the coffee/beer/soft drinks
>consumed, let alone the time. I take any money gained and roll it
>into the dx station in terms of new equipment, etc. As an example,
>I have furnished a good part of a satellite station in Macau over
>the last year, buying amplifiers, etc in the used market.

>steve wheatley KU9C
>--
>Steven Wheatley   AT&T Consumer Products   (317) 845-3927

>....!att!inuxz!wheatley

This is NOT meant to flame Steve. I greatly appreciate the efforts of QSL managers. However, some would appear to make more than a 'little' at it. These people tend to tick me off a bit. I recently had the ocassion to work some stations who have OH2BN for a QSL manager (he seems to be a popular manager). As usual, I sent my card with a green stamp for each contact as they were worked at different times. I have received one card back. Guess what? It was mailed from California with a 25-cent stamp. Say he handles QSLs for a dxpedition and gets 1,000 cards from U.S. hams with a green stamp. He spends $250.00 for stamps and keeps $750.00. This is more than a making a little money. I have had this happen a very few times over the past 13 years. Most QSL managers do not do this.

If QSLs are to be mailed back from the U.S., the QSL information should include the fact that an sase should be sent with the card. I have no problem with honesty, but do have a problem with deception! It is good that this type of QSL managing is the exception to the rule.

Most QSL managers deserve a large pat on the back for their efforts. Without them DXing would not be very worthwhile.

John L. Broughton WB9VGJ
AT&T Bell Laboratories
1200 E. Warrenville Rd.
Naperville, IL 60566-7045
(708) 713-4319
john.l.broughton@att.com

From 8786894080523431081
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,83f2eb7636958b0b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-25 23:10:09 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpfcso!hpfcdc!richard
From: richard@hpfcdc.HP.COM (Richard Artz)
Newsgroups: rec.ham-radio
Subject: Re: WWV
Message-ID: <7880149@hpfcdc.HP.COM>
Date: 25 May 90 06:49:51 GMT
References: <1990May24.125208.13119@cbnewse.att.com>
Organization: HP Ft. Collins, Co.
Lines: 16
Posted: Fri May 25 07:49:51 1990

John WB9VGJ writes:

>As a last resort you can listen to WWV at Ft. Collins by caling
>(303) 499-7111 and the U.S. Naval Observatory at 900-410-8463. WWV

>gives other useful information besides the time, including solar flux/
>sunspot numbers. The Naval Observatory, I believe, just gives the time.

The atomic clocks are in Boulder, 499 prefix, the antenna farm is on the north end of Fort Collins. I grew up in northern Indiana and would listen to WWV on my dad's shortwave radio. At that time I never dreamed I would some day live out here in Fort Collins. Or maybe I did dream it...

Out here WWV comes in great on shortwave, pretty well on cheap AM radios, and not to badly on a toaster. :-)

Richard Artz   KB0GMO/KT

From 8101632746495045956
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43769fa522a1ed06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-26 00:46:03 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!uwm.edu!cs.utexas.edu!samsung!usc!zaphod.mps.ohio-state.edu!rpi!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: strange call signs
Message-ID: <113@ultrix.uhasun.hartford.edu>
Date: 26 May 90 03:00:44 GMT
References: <9005220028.AA01349@ti.com> <H1#-XQH@splut.conmicro.com> <23616@bellcore.bellcore.com>
Sender: news@uhasun.hartford.edu
Lines: 16
Posted: Sat May 26 04:00:44 1990

I heard a similar story recently at a talk given by an FCC employee who used to do location work. In his case, he was waved over by a NY state (I think it was) inspection unit that checks the validity of safety inspection stickers. The trouble was that the "company car" was wearing NY plates but they had forgotten to put the inspection sticker on the windshield. (Apparently they are stocked with the appropriate stickers as well as license plates.) The fellow looked in the glove box--no stickers left. So, while he was waiting in the line of cars at the inspection point, he casually got out of the car, went to the back, opened the trunk and changed to another state's plate. When he got to the front of the line, the cop looked at his plate, shook his head in disgust and waved him on!

--

Jon Bloom

From -6934218745461136515
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c58dbefbc7088855,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-26 01:26:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!hpcvca!hpcvck!mcross
From: mcross@hpcvck.CV.HP.COM (Minor Cross)
Newsgroups: rec.ham-radio
Subject: Re: Using an ICOM speaker mic on a Yaseu FT-470
Message-ID: <5440013@hpcvck.CV.HP.COM>
Date: 25 May 90 16:59:41 GMT
References: <1990May21.232655.17551@smcnet.smc.edu>
Organization: Hewlett-Packard Co., Corvallis, Oregon
Lines: 13
Posted: Fri May 25 17:59:41 1990

I found that my ICOM headset (HS-10) and the VOX unit work on the
FT-470! No mods needed, just plug it in and talk.
73
Insert Standard Disclaimer notice here:

```
           ___
       /  /       Minor Cross     KD7YJ
      /  /       Hewlett-Packard  Northwest IC Division  [ NID ]
     /  /_____          _________       1020 NE Circle Blvd.
       /  ___   /  ____    /  ___   /     Corvallis, OR   97330
      /  /  /  /  /___/   /  /__/  /       -------------------------
     /__/  /__/          /  ______/       AT&T:  (503) 750-2044
                        /  /           HP telnet  750-2044
                /__/     }inhp4!hplabs!hp-pcd!hpcvca!hpcvck!mcross
```

From 5757905974736243017
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,772c44f95df49c52,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,772c44f95df49c52,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-26 01:26:40 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!usc!zaphod.mps.ohio-state.edu!mips!prls!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: strange claims
Keywords: advertising
Message-ID: <96594@philabs.Philips.Com>
Date: 25 May 90 19:43:00 GMT
Sender: news@philabs.Philips.Com
Lines: 11
Xref: gmdzi rec.ham-radio:11747 rec.radio.shortwave:1319
Posted: Fri May 25 20:43:00 1990

Found the following description of the operation of an amplified FM broadcast antenna: "It hunts the airwaves for hidden and weak signals and pulls them in like a radio magnet."
"Once it locks on to a signal, a Gallium Arsenide Field Effect Transistor

(GaAsFET) inside the antenna traps noise and static-hiss and literally obliterates it."

Kind of a strange way to describe a pre-amp. Wouldn't think that a pre-amp would "trap" noise!

73 de WA2ISE

From 3563727455092388544
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c2454443efc7994,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-26 01:26:52 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!mips!prls!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: funky callsigns
Keywords: cw
Message-ID: <96603@philabs.Philips.Com>
Date: 25 May 90 22:06:07 GMT
Sender: news@philabs.Philips.Com
Lines: 10
Posted: Fri May 25 23:06:07 1990

Was thinking back when (summer of 76) I took my Tech test at the FCC office in NYC. If I remember correctly, the code test was easy, and I probably got most all of it correct. I did worse on the theory and rules part. Almost failed it, the FCC person said I got the minimun +1 correct. Maybe the person who assigned the calls saw the test results, and figured I'd be a CW fan, and gave me WA2ISE .. ... . from what they had on the list that week?
Turns out that I don't like code much!

73 de WA2ISE

From -3738861065597115444
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8316fbd0ec91f004
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8316fbd0ec91f004
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-26 01:49:10 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!att!cbnewse!parnass
From: parnass@cbnewse.att.com (Bob Parnass, AJ9S)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Who's on 407.75MHz?
Summary: 407.75 MHz used by Postal Svc in Chicago...never been to Texas
Keywords: Mystery Frequency
Message-ID: <1990May25.193129.27297@cbnewse.att.com>
Date: 25 May 90 19:31:29 GMT

References: <3342@radio.oakhill.UUCP>
Followup-To: rec.radio.shortwave
Organization: AT&T Bell Laboratories, Naperville, IL
Lines: 37
Xref: gmdzi rec.ham-radio:11749 rec.radio.shortwave:1321
Posted: Fri May 25 20:31:29 1990

In article <3342@radio.oakhill.UUCP>, charlie@oakhill.UUCP (Charlie Thompson) writes:

> I'd guess Bob Parnass might know the answer to this ....
> Much to my surprise I found a local AM radio station (KLBJ-AM) using
> 407.750 MHz as studio-to-remote director's link.

I've never visited Texas, but in northern Illinois, this is what folks hear on that frequency:

```
 407.7500    call?_____US: Postal Svc, DVP scrambling, f3, input to 415.050
                       [Chicago] (others)
```

Two years ago, I found a similar signal on my R-7000 and BC-300.

A remote broadcast link transmitter was wandering several megahertz up through the 462 MHz GMRS range and beyond. I traced it to a spur in the WSPY remote transmitter being used to broadcast the local high school football game. I called the station and argued with the non-technical guy at the studio for 30 minutes.

[The only way I convinced him it was his equipment problem and get him off the phone was to tell him
   1) I work at Bell Labs (big deal, eh?)
   2) My pizza was getting cold.]

He finally admitted that the remote transmitter had a history of these problems and they never used a spectrum analyzer to check the spectral purity of the signal. The remote's signal sounded fine on its assigned fundamental frequency, but the phantom spur had muddy modulation and wandered around the UHF spectrum like it had a mind of its own.

```
--
============================================================================
Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihuxz!parnass (708)979-5414
```

From -7495137530894812287
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,670eb6aa26b549c8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-26 06:28:39 PST
Path: gmdzi!unido!mcsun!uunet!dev!dftsrv!sage0!jrm
From: jrm@sage0.gsfc.nasa.gov (John Mattox)

Newsgroups: rec.ham-radio
Subject: Retransmission of SAREX communications
Keywords: STS-35 shuttle SAREX
Message-ID: <2161@dftsrv.gsfc.nasa.gov>
Date: 25 May 90 14:59:11 GMT
Sender: news@dftsrv.gsfc.nasa.gov
Lines: 14
Posted: Fri May 25 15:59:11 1990

During the STS-35 SAREX mission, AMSAT will provide a network to link
US classrooms through local repeaters to a amateur ground station
in contact with ham astronaut Ron Parise.

WA3NAN at Goddard Space Flight Center hopes to retransmit the SAREX
communications - interrupting the NASCOM shuttle communications
retransmission for the duration of the SAREX communications.
However this will require that a phone patch operate at our station with a
kilowatt of power on four different HF bands. Installation and testing
are in progress.
--
John R. Mattox
NASA/ Goddard Space Flight Center   Internet: jrm@sage0.gsfc.nasa.gov

---

From -3000790596370556113
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d22681f4d8ca9f5b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-22 22:25:16 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpcc01!hpcuhb!hpsqf!hpqtdla!jdg
From: jdg@hpqtdla.HP.COM (James Gentles)
Newsgroups: rec.ham-radio
Subject: Re: Looking for 2m HT purchase advice.
Message-ID: <3430006@hpqtdla.HP.COM>
Date: 22 May 90 15:58:32 GMT
References: <10110001@hpislx.HP.COM>
Organization: HP, Queensferry Telecomms, Scotland
Lines: 17
Posted: Tue May 22 16:58:32 1990

$> | receiver coverage to 138-163MHz.
$> what else do you have to do to be able to receive 138 to 163? My HT does
$>Many of the older synthesizers required a little readjustment of the PLL

Ken's right. Full details in July 1986 Ham Radio

73de James

Opinions expressed are my own, and are not intended to be an official
statement by Hewlett-Packard Company

```
---------------------------------------------------------------------
Name:         James Gentles   GM4WZP
Organization: Hewlett-Packard  Queensferry Telecomunications Division
Email:        jdg@hpqtdla.hpsqf.hp.com                         hp-sdd
Address:      Station Road, South Queensferry, West Lothian, Scotland
---------------------------------------------------------------------
```

```
From 7232886857907858213
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93eda2a5a157b821,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-23 00:31:15 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!
TAMVENUS.BITNET!MCL9337
From: MCL9337@TAMVENUS.BITNET
Newsgroups: rec.ham-radio
Subject: Callsign re-structure
Message-ID: <9005230703.AA26136@ucbvax.Berkeley.EDU>
Date: 22 May 90 07:55:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Tue May 22 08:55:00 1990
```

Some of you OTs out there... please explain this! I've been licensed for over a year now, and I have heard about "the way it used to be" a few times, but was never told exactly how it used to be! And it was recently mentioned again (by a WB6...) about the callsign "change".

I understand that you used to be able to pick your own. Is this true? One of our more notable hams in town, Tom Comstock, has N5TC.

Please explain, OT's... How did it USED to be?

Mark C. Lowe - KB5III

MCL9337@TAMVENUS.BITNET

```
From -2560176309484343260
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11e2b8adcbc80985,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-23 00:34:55 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!brutus.cs.uiuc.edu!
zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!NISD.CAM.UNISYS.COM!doug
From: doug@NISD.CAM.UNISYS.COM (Doug Hardie)
Newsgroups: rec.ham-radio
Subject: 4 Year Old Hams
Message-ID: <9005221537.AA16983@KRONOS.NISD.CAM.UNISYS.COM>
Date: 22 May 90 15:37:18 GMT
```

```
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Tue May 22 16:37:18 1990
```

I was poking around through the ARRL Handbook the other day and came across this info:

86 Handbook, page 36-3,
  Guy Mitchell, WD0DVX passed the code test at age 4 and passed
  the written novice test at age 5 with the above resulting call.
  There is a picture of him also, but I think the picture was taken
  when he was a couple of years older. No date was given when
  all this took place.

I am not sure this is the situation that was referred to earlier, but it is mighty close. Granted, the novice test is trivial, but I still don't see how a 5 year old could have understood the concepts behind the questions. It must have been memorized without meaning.

-- Doug WA6VVV

```
From -5698364316390021752
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93eda2a5a157b821
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-23 00:35:26 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!
STLAWU.BITNET!MROWEN
From: MROWEN@STLAWU.BITNET (Mike Owen W9IP)
Newsgroups: rec.ham-radio
Subject: Callsign re-structure
Message-ID: <9005230705.AA26320@ucbvax.Berkeley.EDU>
Date: 22 May 90 18:07:34 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Tue May 22 19:07:34 1990
```

Waaay back in the ooolllddd days (pass me the Geritol, wouldja?), say around 1972-1973, the FCC experienced a momentary, fleeting spasm of good-natured-ness and let Extras request a 1X2 callsign. You had to pay a modest fee, but it was well worth it. If they didn't have the callsign you asked for, you could request "next available," as I did. This system was the way that most of today's 1Xmy initials came from. Needless to say, it's too bad that the spasm didn't last.

M.R.O.

```
From -578562407105537059
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,198ae02764c4e0df,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-23 00:36:04 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!WIDENER.BITNET!DXANDY
From: DXANDY@WIDENER.BITNET
Newsgroups: rec.ham-radio
Subject: Help!
Message-ID: <5A05160E22300291-MTABWIDENER*DXANDY@widener>
Date: 22 May 90 20:03:24 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18
Posted: Tue May 22 21:03:24 1990

Hi All!

Well, I thought I had cleared the biggest obstacle to becoming a ham when I passed the code and theory and got credit for my Technician class license (I passed the theory for General and plan to take the 13wpm next month). However, I now find out that I cannot mount an antenna on the tallest point on the house. My Dad thinks that if a strong wind blows, the whole house will fall down (or something like that!). Anyway, I can put up an antenna on the side of the garage. The only problem is, we live at the bottom of a small valley. If the antenna was mounted on the side of the house, a signal that radiated 20 degrees from the horizontal would just about clear the surrounding terrain.

My question is this, is it worth it to mount the antenna on the garage, some ten to fifteen feet lower? Or should I just forget trying to work the HF bands for the time being and buy a 2m HT instead and drive to a higher place?

Thanks in advance,
Andy Greenshields [dxandy@widener.BITNET]
3* <----- Waiting for call sign!

From 4603455697894282940
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a23ca2284be17831,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-23 00:38:26 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!mailrus!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com (DUBE TODD)
Newsgroups: rec.ham-radio
Subject: MARS Affiliation
Message-ID: <9005222159.AA22730@ti.com>
Date: 22 May 90 21:56:37 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6
Posted: Tue May 22 22:56:37 1990

Has anyone had an affiliation with the MARS net? What is required to be
a member? May non-military hams participate? If so, what is the procedure/paperwork routine?

Thanks,
Dube Todd   N5PDK

From 512970859699278312
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93eda2a5a157b821
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-23 00:38:42 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!think!zaphod.mps.ohio-state.edu!
tut.cis.ohio-state.edu!ucbvax!NUWES-LLL.NAVY.MIL!nfunamura%mis2.decnet
From: nfunamura%mis2.decnet@NUWES-LLL.NAVY.MIL ("MIS2::NFUNAMURA")
Newsgroups: rec.ham-radio
Subject: Callsign re-structure
Message-ID: <9005230706.AA26432@ucbvax.Berkeley.EDU>
Date: 23 May 90 07:06:54 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Wed May 23 08:06:54 1990
X-Unparsable-Date: 22 May 90 12:34:00 GMT-10:00

Mike Owen W9IP writes:

>Waaay back in the ooolllddd days (pass me the Geritol, wouldja?),
>say around 1972-1973, the FCC experienced a momentary, fleeting
>spasm of good-natured-ness and let Extras request a 1X2 callsign.
>You had to pay a modest fee, but it was well worth it. If they didn't
>have the callsign you asked for, you could request "next available,"
>as I did. This system was the way that most of today's 1Xmy initials
>came from. Needless to say, it's too bad that the spasm didn't
>last.

As a result of the above, there's a couple here with his and hers call
signs. KH6OM and KH6YL are Husband and wife.

73, Norman
KH6R

From 5411774968975970411
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d6cad03e34e613a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-23 06:27:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!WILLIAMS.BITNET!
MABELSON

From: MABELSON@WILLIAMS.BITNET (RATMASTER)
Newsgroups: rec.ham-radio
Subject: RE: INFO-HAMS Digest V90 #532
Message-ID: <9005240756.AA21531@ucbvax.Berkeley.EDU>
Date: 23 May 90 13:27:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 21
Posted: Wed May 23 14:27:00 1990

I, too am interested in becoming a ham and using a computer for code practice. I would appreciate any information on Public Domain (commercial is O.K. too) software written for the IBM for purposes of code practice. Suggestions are welcome. Thanks :-)

```
       |            MABELSON@WILLIAMS.BITNET
       |               Michael L. Abelson
       |            Department of Psychology
      /\             Bronfman Science Center
     /  \               Williams College
    /    \      Williamstown, Massachusetts  01267
  /|      |\             (413) 597-3229
 ''|      |''
   |      |
   |      |
   /\ oo /\               The RatMaster
  '' \__/ ''
    --\/--
```

mla

From 3158071086718777249
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,42f4166b02170d6a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,42f4166b02170d6a,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-23 07:14:15 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!snorkelwacker!apple!netcom!mcmahan
From: mcmahan@netcom.UUCP (Dave Mc Mahan)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: WEFAX test tape recordings
Keywords: WEFAX, recording
Message-ID: <12429@netcom.UUCP>
Date: 23 May 90 09:13:19 GMT
Followup-To: rec.radio.shortwave
Organization: Dave McMahan @ NetCom Services
Lines: 20
Xref: gmdzi rec.radio.shortwave:1289 rec.ham-radio:11670
Posted: Wed May 23 10:13:19 1990

Is there a place where I can purchase or get an audio tape containing valid WEFAX signals? I have written a program, but need to test it on a known good signal and am having severe trouble making sure I have a valid station tuned in and all is ok. I can live with some distortion in the playback, but would like to at least make sure I am doing a reasonable job of decoding the signal. If there is a kind soul out there that could record a couple of WEFAX signals while simultaneously making a WEFAX picture to send me, I would be forever in their debt. With a tape and a picture, I can figure out how to reproduce the picture from the tape and will KNOW what I should get. If there is a shortwaver or Ham in the Santa Clara Valley of Ca that wouldn't mind just doing the recording, I'd like to try that as well. I can live without the picture, but it would be nice to have both the tape and the picture.

I did manage to get one decent copy of a WEFAX signal that is very recognizable, but have changed the software since then and am not able to get a decent picture. I don't know if it is the software or if I just don't have a good signal.

-dave

From 4257473187671108799
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,198ae02764c4e0df
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-23 08:52:21 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!rutgers!bellcore!casux4!jdn
From: jdn@casux4.uucp (jonathan nagy)
Newsgroups: rec.ham-radio
Subject: Re: Help!
Message-ID: <23527@bellcore.bellcore.com>
Date: 23 May 90 14:12:28 GMT
References: <5A05160E22300291-MTABWIDENER*DXANDY@widener>
Sender: news@bellcore.bellcore.com
Reply-To: jdn@casux4.UUCP (jonathan nagy)
Organization: Bell Communications Research, Inc.
Lines: 19
Posted: Wed May 23 15:12:28 1990

In article <5A05160E22300291-MTABWIDENER*DXANDY@widener> DXANDY@WIDENER.BITNET writes:
>Hi All!
> My question is this, is it worth it to mount the antenna on the garage, some
>ten to fifteen feet lower? Or should I just forget trying to work the HF bands
>

Sure it is worthwhile! Don't forsake the low bands just because of a less than ideal location. You will; be surprised at all the DX you work with a modest setup.

Set up whatever you can manage and have fun!

73, NK2D

Jonathan Nagy
jdn@navaho.cc.bellcore.com
(201) 699-4445

From 6108662939319347386
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93eda2a5a157b821
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-23 11:37:55 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!aplcen!haven!decuac!shlump.nac.dec.com!carafe.enet.dec.com!goldstein
From: goldstein@carafe.enet.dec.com (Fred R. Goldstein k1io)
Newsgroups: rec.ham-radio
Subject: Re: Callsign re-structure
Message-ID: <11886@shlump.nac.dec.com>
Date: 23 May 90 16:13:47 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 41
Posted: Wed May 23 17:13:47 1990

In article <9005230703.AA26136@ucbvax.Berkeley.EDU>, MCL9337@TAMVENUS.BITNET writes...
>
>I understand that you used to be able to pick your own. Is this true? One of
>our more notable hams in town, Tom Comstock, has N5TC.
>
>Please explain, OT's... How did it USED to be?

At the risk of redundancy...

In the Very Early years (up to the early 20s?), calls took the form 1AW, 2YZ, etc. National prefices came into being in the 20s. (The US was NU for a year and then W and K when they redid the scheme.) The FCC gave domestic hams W#xxx calls after the 2-letter suffixes ran out. The K series was used for territories (K6 for Hawaii, etc.).

After the war, the FCC gave Kx# to territories and when Novices were introduced, they got WN#xxx, with the N dropped on upgrade. The W's ran out so K#xxx followed. Then around 1958 WA's began, with WV for novices (in 2, 4 and 6 only, I think); WB's had corresonding WNs. I had a WN2 call in 1965 that would have become WB2 had I stapled the novice to my tech application. (Instead I got a different WB2). The WB2Z series ran out by 1967 so they started reissuing vacant WA and WBs. For a short time in the 1970s WDs were issued in a few districts. (WC was the novice variant of KC, which was the Caroline Islands/TTPI.)

In the late '60s, Extras could request (for $20) a random 2-letter call. In the early '70s, fees were abolished. (Long story omitted.) In the mid '70s, Extras could request a pick of calls (send list of choices); if you were an Extra prior to such-and-such date, you went before those in a later class. I got my Extra in '76 in order to get in the line; fortunately, my first choice (K1IO) was still vacant by 1977 when my turn came up.

Then in '78 or so they adopted the current horrorshow and stopped allowing any choice. They more recently turned down a proposal to allow the ARRL (or another outsider) to administer a u-pick-em program.

```
Fred R. Goldstein   goldstein@carafe.enet.dec.com
                 or goldstein@delni.enet.dec.com
                    voice:  +1 508 486 7388
```

From -1579592585263871984
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,45e1004debb7acd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-23 12:00:07 PST
Path: gmdzi!unido!mcsun!uunet!ctbilbo!pete
From: pete@ctbilbo.UUCP (Pete Ritter)
Newsgroups: rec.ham-radio
Subject: QSL Managers
Keywords: QSL
Message-ID: <105@ctbilbo.UUCP>
Date: 23 May 90 17:12:42 GMT
Lines: 22
Posted: Wed May 23 18:12:42 1990

Is it necessary to send QSL cards to QSL managers in order to get a card from the station worked? Is a simple note to the manager with the usual band, mode, date & time (and SASE or SAE and IRC) good enough?

Do the stations worked ever get these cards? Do they even want them? If not, then we can save money by not sending cards. If we work a station on several modes and or bands, do we have to send a card for each? Again we can save money by sending a list with the info and not the cards.

If the operator worked really does want my card, then I have no problem sending mine, of course, but if the manager tips them, then it's a waste. With even simple cards costing 15 - 20 cents each, quite a cost saving can be had by using a list.

Any QSL managers out there want to comment?

73 - pete WB5KLY
--
****

```
* Pete Ritter    uunet!ctbilbo!pete          |    Yu no can kaikai buai na    *
* Communications Technology Corp. Dallas, Tx |    spet long makit.            *
******************************************************************************
```

```
From -7335294775211015989
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11e2b8adcbc80985
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-23 12:06:53 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-
state.edu!swrinde!emory!kd4nc!n4hgf!wht
From: wht@n4hgf.uucp (Warren Tucker)
Newsgroups: rec.ham-radio
Subject: Re: 4 Year Old Hams
Message-ID: <701@n4hgf.uucp>
Date: 23 May 90 17:13:45 GMT
References: <9005221537.AA16983@KRONOS.NISD.CAM.UNISYS.COM>
Reply-To: wht@n4hgf.UUCP (Warren Tucker)
Organization: Amateur Radio Station N4HGF
Lines: 39
Posted: Wed May 23 18:13:45 1990
```

In article <9005221537.AA16983@KRONOS.NISD.CAM.UNISYS.COM>
doug@NISD.CAM.UNISYS.COM (Doug Hardie) writes:

```
>I was poking around through the ARRL Handbook the other day and came
>across this info:
>
>86 Handbook, page 36-3,
>  Guy Mitchell, WD0DVX passed the code test at age 4 and passed
>I ...
>don't see how a 5 year old could have understood the concepts behind
>the questions.  It must have been memorized without meaning.
```

I know of a four-year old who can read a great deal of the newspaper. Granted, he has trouble with words like Vladivostok, but he groks gross national product and Hawaiian volcanoes. A regular chip off the old block too -- his dad and he were in front of the TV one day when one of the local yokels was making his pitch for Georgia governor. Daddy said [after Mr. Roger's style] "Can you say 'sound bite'?". From then on, the kid sees a political ad, he says "sound bite." Funny thing, the wisdom of children often surprises us all: now, when he sees a TV lawyer who want to help us with "debt relief and settlement protection" and he says "sound bite." :-) :-)

I know very well one individual who could read (granted, with little comprehension) at 1 1/2, pronouncing all the "regular" words very well. He __doesn't remember__ learning to read and, for all he knew, kids were born with things like the Star Spangled Banner and the 23rd Psalm already memorized. His theory is that his grandfather unwittingly taught him to read sitting on pappy's knee while the old man read out loud to himself, pointing at the words and spelling out the letters of words over six characters in length [some times an 8th grade education can accomplish more than that of a Ph. D.].

A three-year old is learning at a rate an order of magnitude or better above a 10-year old. Some don't wait 'til later to get into the meatier stuff.

Warren Tucker, TuckerWare gatech!n4hgf!wht or wht%n4hgf@gatech.edu
Sforzando (It., sfohr-tsahn'-doh). A direction to perform the tone
or chord with special stress, or marked and sudden emphasis.

From 5916174442320716953
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a76e6fea648b47b9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-23 12:49:23 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: question about TEC-200 film
Message-ID: <1250168@hpnmdla.HP.COM>
Date: 23 May 90 15:19:10 GMT
References: <1990May22.140312.29766@bnrgate.bnr.ca>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 22
Posted: Wed May 23 16:19:10 1990

> I'm looking for a Canadian supplier of a film known as
> TEC-200. This is a thermal-transfer film that can be used
> to produce "iron-on" PCB artwork. Anybody know who manufactures
> this stuff?

From the price list 9/87:

"TEC-200" is a trademark of the Meadowlake Corp.

25 Blanchard Drive,
Northport, NY 11768
USA
(516) 757-3385

I've used it but I have no other connection with 'em.

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From -5205412389099156861
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16bf398bb332bf55
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-23 12:49:30 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: question about TEC-200 film
Message-ID: <1250169@hpnmdla.HP.COM>
Date: 23 May 90 15:39:24 GMT
References: <11830@shlump.nac.dec.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 36
Posted: Wed May 23 16:39:24 1990

>
> Is TEC-200 film any different from the normal overhead transparency film
> that one feeds into the hopper of a copier, like Folatran X-100? (not the
> stuff you combine with a paper copy and put through a thermal transfer
> machine).
>
> Has anyone tried to use this film to make iron-on PWB resist?
>
> de KB1RB

I've used Tec-200 but I'm not certain that it is different from copier transparancies since I haven't ever tried the same trick with them. It definitely handles high temperatures better than some materials. As far as I can tell, the magic is that it doesn't distort too badly when you heat it to 275 degrees or so to get the toner on it to come off and stick to the PC board. Even Meadowlake, the manufacturer, recommends that you trim the material back to just slightly larger than the actual board you are trying to make.

I've made a number of boards with varying degrees of success. Success seems to have a lot to do with how much toner your particular photocopier can deliver to the film. I've usually ended up going over the transferred toner with an indellible marker to "fill in" the pin holes.

My next attempt at prototype boards is going to be generate photowork directly using transparancy film and a laser printer. I think I will bypass the idea of plotting directly to a board with an X-Y plotter due to experiences with using hpgl output and difficulty of getting good area fills.

If anyone else has found successful tricks for moderate complexity two-layer no-plated via boards I would like to hear about them.

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From -999713561869247420
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,45e1004debb7acd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-23 13:22:05 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!rutgers!bellcore!casux4!jdn
From: jdn@casux4.uucp (jonathan nagy)
Newsgroups: rec.ham-radio
Subject: Re: QSL Managers
Keywords: QSL
Message-ID: <23539@bellcore.bellcore.com>
Date: 23 May 90 19:06:58 GMT
References: <105@ctbilbo.UUCP>
Sender: news@bellcore.bellcore.com
Reply-To: jdn@casux4.UUCP (jonathan nagy)
Organization: Bell Communications Research, Inc.
Lines: 45
Posted: Wed May 23 20:06:58 1990

In article <105@ctbilbo.UUCP> pete@ctbilbo.UUCP (Pete Ritter) writes:
>Is it necessary to send QSL cards to QSL managers in order to get a card
>from the station worked? Is a simple note to the manager with the usual
>band, mode, date & time (and SASE or SAE and IRC) good enough?
>
Yes, this should be good enough

>Do the stations worked ever get these cards? Do they even want them? If
Yes. Yes.

>not, then we can save money by not sending cards. If we work a station
>on several modes and or bands, do we have to send a card for each? Again
>we can save money by sending a list with the info and not the cards.
>
Yes, you can just send a list on a piece of paper (or a single card
with multiple qso information on it) but there are certain risks
involved. For one thing, this complicates life for the qsl manager
so there is a good chance that your request will relegated to the
bottom of the processing stack. Furthermore, suppose that you work
a station on 5 bands/modes and send one letter. Suppose the manager
finds 4 of the qsos in the log, but can't find the 5th immdiately.
Then (since you presumably sent 1 sase) he will hold up the 4 good
cards until he gets a chance to investigate the 5th. For a busy
DXpedition, this could mean a 6 month to 1 year delay in getting
your cards.

>If the operator worked really does want my card, then I have no problem
>sending mine, of course, but if the manager tips them, then it's a waste.
>With even simple cards costing 15 - 20 cents each, quite a cost saving
>can be had by using a list.

Since when do cards cost 20 cents? You can buy 1000 cards for under

$50. Remember that the qsl manager is a volunteer; you should do everything possible to ease his burden and speed his processing. Also remember that YOU are the one who wants the DX stations card. The DX station is really under no obligation whatsoever to QSL.

I think in general most qsl managers do a fantastic job for no rewards. We should do what we can to lighten their load.

73, Jon NK2D

Jonathan Nagy
jdn@navaho.cc.bellcore.com
(201) 699-4445

From -3952617056182438962
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43769fa522a1ed06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-23 13:59:58 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!apollo!hays
From: hays@apollo.HP.COM (John Hays)
Newsgroups: rec.ham-radio
Subject: Re: strange call signs
Message-ID: <4a913ecf.20b6d@apollo.HP.COM>
Date: 23 May 90 17:26:00 GMT
References: <9005220028.AA01349@ti.com> <H1#-XQH@splut.conmicro.com>
Sender: root@apollo.HP.COM
Reply-To: hays@apollo.HP.COM (John Hays)
Organization: Hewlett-Packard Company, Apollo Division; Chelmsford, MA
Lines: 3
Posted: Wed May 23 18:26:00 1990

I am waiting for the poor soul who gets NH5HHH   :)

73, John -.- -.. --... ..- .--

From 3485764981695484070
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43769fa522a1ed06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-23 14:29:12 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!sdd.hp.com!zaphod.mps.ohio-state.edu!usc!apple!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: strange call signs
Summary: another call
Message-ID: <53@thoreau.nsc.com>
Date: 23 May 90 19:57:45 GMT
References: <9005220028.AA01349@ti.com>
Organization: National Semiconductor, S. Portland, Maine

Lines: 18
Posted: Wed May 23 20:57:45 1990

My dad's call was W2UM, when I used it for cw contests it
usually came out as :
W22   .-- ..--- ..- --

and mine at the time was WA2JAM which often was heard as
WA2JJ   .-- .- ..--- .--- .- --

then I had VE2AXW in Canada for a while, that one was a
bugger on phone as well as cw. I gave up the fight and
and requested my current call

K3FR   -.- ...-- ..-. .-.
"KING THREE FRIED RICE"

That one got a lot of chuckles and tickled K7FR enough
that he picked up the phonetics for his own call.

Ron Todd,   K3FR

From 5398044141258158954
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93eda2a5a157b821
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-23 15:33:50 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!
usc!snorkelwacker!bloom-beacon!primerd!ENI!!SS
From: SS@.Prime.COM
Newsgroups: rec.ham-radio
Subject: Re: Callsign re-structure
Message-ID: <386400009@.Prime.COM>
Date: 23 May 90 16:39:00 GMT
References: <26320@ucbvax.Berkeley.EDU>
Lines: 62
Nf-ID: #R:ucbvax.Berkeley.EDU:-2632000::386400009:000:2781
Nf-From: .Prime.COM!SS   May 23 16:39:00 1990
Posted: Wed May 23 17:39:00 1990

[are there really any line eaters out there?...]

In a recent posting, Jim K6ZH <price@marlin.UUCP> says...

>Next there were WA6xxx calls, again issued until they ran
>out which in Calif. was 1962.
>And then there were WB6xxx calls, most of which were
>issued by the early 70s.

While it may be true that the WA and WB calls were all used up in
6-land, they were not in many (most?) other call sign districts

(like 1-land). I remember reading ham rags in the 70's where the FCC realized they were running out of WA and WB calls, didn't want to keep going on with WE, WF, WG, etc., and had decided to reissue old WA and WB calls. My impression is that the class-specific call sign scheme we have today did *not* result from running out of a particular call sign format, but rather from the desire to have the license class recognizable from the call sign format (makes policing much easier!).

>And for a brief time the FCC issued WD6xxx calls, but only
>get about 1/3 into the alphabet. No WC calls were issued.

WC calls were issued exclusively to CAP (and maybe MARS, too?) stations.

>Meanwhile, incentive licensing was being implemented
>which brought with it distinctive calls for each class of license,

Incentive licensing was entrenched well before the recent class-specific call sign mania. I've heard that at one time there were only two classes of licenses, "A" and "B", I think. The Novice license seems to be the real beginnings of incentive licensing: make entry into amateur radio quite easy but provide very limited privileges and use the privileges of the "full" licenses as incentive to learn more technically. The full incentive licensing program, established in the late 50's or early 60's, established the present five license classes that tied more privileges to demonstration of more knowledge and skills.

To the comments already posted, I will add...

Prior to the distinctive call signs scheme used now, there were some other noteworthy call sign schemes:

- Novices were issued calls like KN1ABC which were changed to K1ABC when they upgraded. Later they were issued WN1ABC calls which were changed to WA1ABC, WB1ABC, etc. when they upgraded. The point here is that they got to keep their three-letter suffix.

- I think at one time Technicians were issued K1xxx calls at the same time Generals and Advanceds were issued WA1xxx. This would have been in the early to mid 70's. Can someone confirm or deny this?

73 de Scott KC1ST (ex WN1TEW)

=========

Scott Sminkey, TCP/IP Development
Prime Computer, Inc.   ss@s47.prime.com
500 Old Conn Path 10-20   {sun,decvax}!cvbnet!s47.prime.com!ss
Framingham, MA 01701   (508) 879-2960 x4097
Disclaimer: If captured, my employer will disavow all knowledge of my opinions.

From -1027723006842346411

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,81ccb6b8728d5799
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-23 18:32:45 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!think!snorkelwacker!apple!portal!cup.portal.com!HAVANAMOON
From: HAVANAMOON@cup.portal.com (Havana - Moon)
Newsgroups: rec.ham-radio
Subject: Re: Need address Butternut Electronics (please)
Message-ID: <30164@cup.portal.com>
Date: 24 May 90 01:32:45 GMT
References: <1990May22.103921.869@mdcbbs.com>
Organization: The Portal System (TM)
Lines: 8
Posted: Thu May 24 02:32:45 1990

The Butternut Electronics address:
BUTTERNUT ELECTRONICS CO.
405 East Market
Lockhart
Texas 78644

73s
"HM"

From 3822587444994010090
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f7742aabc27f8b94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-23 22:10:36 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: TNC's / Packet Pirates
Message-ID: <30500550@ux1.cso.uiuc.edu>
Date: 23 May 90 20:00:00 GMT
Lines: 53
Nf-ID: #R:<9005210708.AA17246@ucbvax.Berke:-40:ux1.cso.uiuc.edu:30500550:000:3117
Nf-From: ux1.cso.uiuc.edu!phil   May 23 15:00:00 1990
Posted: Wed May 23 21:00:00 1990

> >vary the bits/second and still have the same baud rate. If there is only
> >1 symbol/second, then the bit rate and baud rate are the same number.
>
> I hate to pick nits, but shouldn't the above read "If there is 1 bit/symbol,
> then the bit rate and the baud rate are the same number."

One of the problems I have often had in grasping new concepts is the poor choice of terminology. This is one of those cases. When I was originally learning this about bit rate and baud rate, the term "symbols" resulted in a lot of confusion because I had a different understanding of the term. In actuality, both this usage, and the understanding I had were correct; the term has a very broad usage. The problem is that even if I did know the full meaning of "symbols" then I would not have known what was meant anyway.

Symbols are a member of a set of values. Characters are symbols. However in the usage as it relates to baud rate, it really is referring to the modulation symbols, or more specifically, the values the modulation can have. If the modulation can emit 20 different values in one second then the baud rate is 20. At each of those 20 positions in time (or space) the number number of different values that could appears might be very large or very small, but this does not affect the baud rate.

Bit rate refers to the number of data bits that can be encoded in some sequence of these value symbols. Usually the "encoding" is very simple as in FSK where there are only 2 values (space and mark or 0 and 1) to choose from. Only 1 bit can be encoded for each value, so this is the case where the number of data bits equals the number of values in a given time period and the baud rate equals the bit rate.

If there were 16 different data values to choose from at some point in time, then you could encode 4 data bits in that one value. In this case, the bit rate will be 4 times the baud rate. If you transmitted 1200 of these data values each second, you would be able to transmit 4 bit for each one, or a total of 4800 bits per second.

When a single value can be chosen from a set of 2 possibilities, we can easily think of this in terms of understanding the 0/1 or off/on state of digital circuits. If there are more than 2 values, then it becomes more difficult. One possibility is to have 16 different voltage levels with a circuit that can detect which is it. Noise immunity would be less because it would only take much less voltage as before to fool the circuit. Yet another, and more common, way to encode multiple values is to deal with a sinusoidal carrier in the complex plane. Imagine an array of 4x4 dots. Assign a number from 0 to 15 to each one. Now put a 17th dot in the center. The center dot refers to the carrier being turned off. A line from the center to any dot is the vector value. The length of the line is the amplitude of the carrier at that time and the angle of the line is the phase angle of the carrier.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From 2112012341106223636
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,45e1004debb7acd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-23 22:24:09 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!network.ucsd.edu!brent
From: brent@network.ucsd.edu (Brent Jones)
```

Newsgroups: rec.ham-radio
Subject: Re: QSL Managers
Keywords: QSL
Message-ID: <2476@network.ucsd.edu>
Date: 24 May 90 00:04:25 GMT
References: <105@ctbilbo.UUCP>
Organization: Society to Reunite Gondwanaland.
Lines: 33
Posted: Thu May 24 01:04:25 1990

In article <105@ctbilbo.UUCP> pete@ctbilbo.UUCP (Pete Ritter) writes:
>Is it necessary to send QSL cards to QSL managers in order to get a card
>from the station worked? Is a simple note to the manager with the usual
>band, mode, date & time (and SASE or SAE and IRC) good enough?
>
>Do the stations worked ever get these cards? Do they even want them? If
>not, then we can save money by not sending cards. If we work a station
>on several modes and or bands, do we have to send a card for each? Again
>we can save money by sending a list with the info and not the cards.
>

Yes! The stations usually end up getting the cards, even though there may be a couple years of delay in the process. I was operating KC4AAA at South Pole last year 13 months and had a QSL manager back in the states handling everything for me. When I returned from my trip in December, there was a box of 2,000+ cards that had been answered awaiting whatever plans I have for them.

Will these cards ever be used? Yes, I'm SLOWLY going through them for my DXCC and whatever other awards that would match the decor or my room. Now, however, I'm just trying to separate them into three piles, USA, JAPAN, and real DX; and the cards keep coming! The U.S. ones will probably get used for a WAS award. But realistically I'll have many more U.S. cards than I'll know what to do with.

So, if you're a U.S. ham working a D.X. station, chances are he won't NEED your card, and a note with the contact info will suffice. BTW,the note will even count as a "QSL" should the D.X. station wish to submit it for an award. But he can also look you up later should he want a real card. All cards are appreciated, USA included(!). And in my case, all cards are being read.

Brent KB1UK, (former KC4AAA)

From -14195652808895367
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93eda2a5a157b821
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-23 23:00:52 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)

Newsgroups: rec.ham-radio
Subject: Re: Callsign re-structure
Message-ID: <1250170@hpnmdla.HP.COM>
Date: 23 May 90 19:34:22 GMT
References: <9005230703.AA26136@ucbvax.Berkeley.EDU>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 20
Posted: Wed May 23 20:34:22 1990

Please explain, OT's... How did it USED to be?

Mark C. Lowe - KB5III

MCL9337@TAMVENUS.BITNET

It used to be that Extra class hams could choose their own call. This only lasted a few years (like 3 or 4) and was phased in gradually, with the old-timers getting first choice. I was fortunate enough to have the Extra during the time this was in effect.

Also it used to be that ANYBODY could request a previously-held callsign to be reassigned to them. I remember when they started issuing non-WN callsigns to Novices, one fellow requested his old WN call back (since it was now not officially a Novice callsign.) He got a lot of flack when he used it on the 2M repeaters.

AL N1AL

From 6018741732513980276
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5580263f146de96c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-23 23:30:48 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!usc!apple!snorkelwacker!mit-eddie!rutgers!aramis.rutgers.edu!topaz.rutgers.edu!gaddam
From: gaddam@topaz.rutgers.edu (Surekha Gaddam)
Newsgroups: rec.ham-radio
Subject: Shortwave/Teletype Reception
Message-ID: <May.23.20.48.28.1990.2496@topaz.rutgers.edu>
Date: 24 May 90 00:48:35 GMT
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 27
Posted: Thu May 24 01:48:35 1990

Posting on behalf of Mr.Cadet Rick Yoder

Subject: Shortwave/Teletype Reception

I recently bought the Teletype conversion program for shortwave bands (up to 26100 kHz) from Software Systems Consulting. My reception problem stems from the fact I can't have my radio (a Siemens RK651) more than 3 feet from my computer. I've grounded both and it doesn't seem to help much. I have an antenna that runs out my window and up to the roof.

It's a typical shortwave listeners setup, and I'd really like some advice on some how shielding the radio from the computer's emissions, or inducing them down another path than my radio. Also, does anyone from the NorthEast have any verified teletype freqs? I live about 52 miles north of New York City. If something doesn't improve, I just waisted money on this software.

Please mail replies to x13689e2@usma3.usma3.edu

Thanks in Advance,

Cadet Rick Yoder
United States Military Academy

From -2691444134288832142
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43769fa522a1ed06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-23 23:50:14 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!usc!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: strange call signs
Message-ID: <41305@apple.Apple.COM>
Date: 24 May 90 02:11:17 GMT
References: <9005220028.AA01349@ti.com> <H1#-XQH@splut.conmicro.com>
<4a913ecf.20b6d@apollo.HP.COM>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 20
Posted: Thu May 24 03:11:17 1990

hays@apollo.HP.COM (John Hays) writes:

>I am waiting for the poor soul who gets NH5HHH   :)

>73, John -.- -.. --... ..- .--

What about the poor soul who gets KO0OO? :-) (For computer displays that don't distinguish betweens Zeros and Ohs, thats Kilo Oscar Zero Oscar Oscar.) Should be a legit Advanced call, no? Will probably take ages for the Novice calls to get to KO0OOO, though. Hopefully, by that time, a no-code licensee will get that call :-) :-).

I missed KK6CQ by 25 calls, KK6CW by 19 calls, KK6DX by 8 calls, and AA6TX by one bloody call. Time to move to another state and enter the lottery again :-).

```
Kok Chen, AA6TY              kchen@apple.com
Apple Computer, Inc.
```

```
From 3939873512204634464
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a8ba0e60c85c3dcf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-23 23:50:35 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-
state.edu!sdd.hp.com!ucsd!nosc!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley)
Newsgroups: rec.ham-radio
Subject: Re: request for information on Motorola "Pageboy II"
Message-ID: <2792@crash.cts.com>
Date: 23 May 90 23:56:03 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 35
Posted: Thu May 24 00:56:03 1990
```

```
rcm@andante.UUCP (Bob Melville) writes:
>
>:
>
>
>
>R
>
>d
>
>I am interested in any documentation on the Motorola
>"Pageboy II" paging receiver. A schematic would
>be particularly nice. I want to try to make the thing
>into a monitor receiver for two meters.
>
>The problem seems to be in defeating the tone-activated
>squelch.
>
>Bob Melville
>room 3D483
>AT&T Bell Labs
>600 Mountain Ave.
>Murray Hill, N.J. 07974
>
>thanks!
```

The PB II has no carrier squelch in it. It's 2 tone/voice only. Go find a Minitor for tone/carrier squelch.

```
**************************************************************************
Mike Shirley,  WB6WUI        INET: mikey@pnet03.cts.com
PO Box 460                   ARPA: crash!pnet03!mikey@nosc.mil
Lakeside, CA  92040-0460     UUCP: {hplabs!hp-sdd nosc}!crash!pnet03!mikey
**************************************************************************
```

From -1268784984543670410
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9ca1f1c3c1e4f26e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 00:22:00 PST
Path: gmdzi!unido!mcsun!uunet!husc6!rutgers!ucsd!ucbvax!TAMVENUS.BITNET!MCL9337
From: MCL9337@TAMVENUS.BITNET
Newsgroups: rec.ham-radio
Subject: Thanks fer all the... callsigns!
Message-ID: <9005250701.AA12274@ucbvax.Berkeley.EDU>
Date: 24 May 90 07:22:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25
Posted: Thu May 24 08:22:00 1990

Many thanks to all the hams that responded to my "useta be" request on the callsigns! It's made for some lively reading here, lately.

I really enjoy hearing about the way ham radio was in the past. There really have been so many changes, and we should never forget where we came from!

It is a pity that there is less homebrew nowadays, what with the complexity of the radio world. But there are still challenges in ham radio, and all you guys (and ladies) make it all so worth it!

I had my first CW QSO since about a year ago on 40m tonight with Dube Todd. It was great to get back on HF again after so long.

This is one of the greatest hobbies there is. I try to get ALL my friends involved, at the risk of making them tired of hearing it, but what the hey!? We won't get any new hams by not talking about it, will we?

We should have an INFO-HAMS net sometime. Nothing political now!!

Mark C. "Bro!" Lowe - KB5III

College Station, TX

MCL9337@TAMVENUS.BITNET

From -3382734561402712105
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ef1de3f49e94322b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 02:07:49 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!ibma.nerc-wallingford.ac.UK!PJML
From: PJML@ibma.nerc-wallingford.ac.UK ("Pete Lucas, NCS-TLC, Swindon U.K.")
Newsgroups: rec.ham-radio
Subject: Dongles?
Message-ID: <24.May.90.10:11:53.BST.#8196@UK.AC.NWL.IA>
Date: 24 May 90 09:07:49 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19
Posted: Thu May 24 10:07:49 1990

Whats in a dongle? well most of the dongles i have come across make use of the
SERIAL port (COM1/2/3/4) on an IBM-PC. There appears to be a single large
IC inside the dongle i have for AutoCAD(tm).
I have a protocol analyser, so someday, i may try to see what the dongle does.
Some of the early dongles were a simple AND-gate driving an oscillator.
The software raised control-lines on the interface in a particular sequence
and the oscillator started. Output from the oscillator was routed to one of the
input pins of the RS232. A software counter/timer in the PC software looked
at the input pin for a known time, and clocked the number of transitions on the
relevant pin; looking for the 'right' oscillator frequency. If it got
the right number of counts, all was OK and the software executed.
Otherwise, the software gagged, saying 'no lock device installed'.
If you had a frequency-counter and a signal generator, you could find out the
necessary frequency, and fake the presence of the dongle. However some software
tested for the dongle at times during EXECUTION (not just at load time!) so
sometimes this approach failed.

Pete Lucas G6WBJ   PJML@UK.AC.NERC-WALLINGFORD.IBMA   0793411613

From -6361983277169884975
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93eda2a5a157b821
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 06:40:02 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: RE: Callsign re-structure
Message-ID: <9005231712.AA13526@ti.com>
Date: 23 May 90 17:08:22 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet

Lines: 38
Posted: Wed May 23 18:08:22 1990

> From: TILDE::"MCL9337@TAMVENUS.BITNET" 23-MAY-1990 10:29:00.12
> To: info-hams-incoming
> CC:
> Subj: Callsign re-structure
>
>
> Some of you OTs out there... please explain this! I've been licensed for over
> a year now, and I have heard about "the way it used to be" a few times, but
> was never told exactly how it used to be! And it was recently mentioned again
> (by a WB6...) about the callsign "change".
>
> I understand that you used to be able to pick your own. Is this true? One of
> our more notable hams in town, Tom Comstock, has N5TC.
>
> Please explain, OT's... How did it USED to be?
>
> Mark C. Lowe - KB5III
>
> MCL9337@TAMVENUS.BITNET

There was a window for a while in which EXTRA CLASS license holders could turn
in a one-time preferred call list.

FCC would take your list and assign you the highest one on your list that was
not previously assigned.

This was a limited time offer back in the 70's and has not (very likely will
not ever) been repeated.

It ONLY applied to Extras.

73
Bob WA8YCD
Texins Amateur Radio Club
Dallas Texas

RLWEST@FLOPN2.CSC.TI.COM

From -7635392583209320160
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14c5e12a762d2fd7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 06:41:56 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com (DUBE TODD)
Newsgroups: rec.ham-radio
Subject: Call Sign Re-structure
Message-ID: <9005231849.AA16138@ti.com>

Date: 23 May 90 18:33:54 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Wed May 23 19:33:54 1990

Let me add to Mike Owens' comment. Back in the ancient days, even before 1972 (perhaps even before Geritol), there were W's and there were K's. If you were one of the Hams from the "brown-shoe" days you had a W prefix. The newcomers all got K prefixes. Novices got a (by that time) KN call (KNnXXX). You didn't get to select. You got what came up, a la today. As a novice you had one year to upgrade to General or else. On upgrade, you simply lost your "N" and your call became KnXXX. If, after a year, you didn't upgrade, you lost your privileges (your non-renewable license expired) and your call went into the dead file.

73,
Dube Todd   N5PDK

From -6154984956080996136
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a23ca2284be17831
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 06:44:41 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!HICKAM-EMH.AF.MIL!1843eie
From: 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE")
Newsgroups: rec.ham-radio
Subject: MARS Affiliation
Message-ID: <9005240756.AA21577@ucbvax.Berkeley.EDU>
Date: 24 May 90 07:57:06 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 98
Posted: Thu May 24 08:57:06 1990
X-Unparsable-Date: 23 May 90 10:33:00 GMT-10:00

INTEROFFICE MEMORANDUM

Date: 23-May-1990 10:24am HST
From: 1843EIG/EIE
           1843EIE
Dept: 1843EIG/EIE
Tel No: 656-1158

TO: Remote Addressee   (_INFO-HAMS@WSMR-SIMTEL20.ARMY.MIL)

Subject: MARS Affiliation

Dube Todd asked, so I thought I'd post this for everybody's benefit:

The Military Affiliate Radio System (MARS) is a Department of Defense sponsored program, and each military department (Army, Air Force, and Navy/Marine Corps) runs its own MARS program. You can only join one at a time.

The MARS mission is to provide Department of Defense sponsored emergency communications on a local, regional, national, and international basis as an adjunct to normal military communications. It also provides auxiliary communications for military, civil, and disaster officials during periods of emergency. The MARS program also provides morale and quasi-official record and voice communications traffic for Armed Forces and US Government personnel stationed around the world.

The requirements to become a MARS affiliate are as follows:

1. Be 14 years old or older (parental consent required under age 17).
2. Be a US citizen or resident alien.
3. Possess a valid amateur radio license (Note: Novices must upgrade within 12 months of entry into the program).
4. Possess a station capable of operating on MARS HF frequencies.
5. Be able to operate the minimum amount of time for each quarter (12 hours/quarter for Army and Air Force; 18 hours/quarter for Navy).

The benefits of MARS membership are:

1. Being part of a worldwide communications network supporting vital US interests, and contributing to the welfare and preparedness of the nation.
2. Increasing your radio skills by specialized training and participation in structured traffic nets.
3. Operating on specially-assigned military frequencies using SSB, RTTY, CW, and packet.
4. Participating in the MARS Excess/Surplus Equipment Program after six months of membership.

OK, that's the official line, now here's my pitch:

I've been in the USAF MARS program since September 1985, and have had a blast passing traffic, participating in military open houses, and other activities. Some MARS affiliates get together and operate Field Day and other contests, so your activity isn't necessarily limited to military activities. The 12 hours/quarter requirement may sound like a lot, but it works out to just 1 hour a week. With today's solid state rigs, getting on the oddball frequencies isn't a problem at all -- that's why you see "MARS capable" or similar wording in many equipment ads. The Excess Equipment program can yield some real gems and, quite frankly, some real junk; however, hunting the stuff down is half the fun! Before Novice Enhancement, MARS was a good way for Novices and Techs to get on HF SSB; it still serves the same purpose, although you'll never be able to work DX on a MARS net like you can on 10 meters.

The May and June 1990 issues of "CQ" also have information about MARS.

So you think MARS may be right for you -- here's how to get more
information and membership application forms (USAF MARS only -- I
don't have the addresses for the other services):

1. Contact the Chief of Operations of the Communications Squadron
or Group at the Air Force base nearest you, or
2. Write to: Chief, Air Force MARS
HQ AFCC/DOOCM
Scott AFB, IL 62225-6001, or
3. E-mail me at 1843EIE "AT" HICKAM-EMH.AF.MIL.

73,

```
-------------------------------------------------------------------------------
Jeff Miller, WD6CQV/KH6                  |  "Just because I'm a Californian,
USAF MARS:  AFA8JM                       |     it doesn't mean I'm not an
Chief, Engineering Workload Control      |             American!"
1843 EIG/EIP                             |                 -- Agnes DiPesto,
Wheeler AFB, HI  96854-6348              |                   "Moonlighting"
Commercial: (808) 656-1226               |
AUTOVON: (315) 456-1226                  |

Opinions?   Me?   On government time?   Ya gotta be kidding!

         USAF MARS: Providing the Reins of Command -- In an Emergency
-------------------------------------------------------------------------------
```

From -5645542990466963586
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f7742aabc27f8b94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 06:54:23 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: TNC's / Packet Pirates
Summary: TNC speeds
Message-ID: <747@ssc.UUCP>
Date: 23 May 90 19:38:17 GMT
References: <9005210708.AA17246@ucbvax.Berkeley.EDU>
Organization: very little
Lines: 35
Posted: Wed May 23 20:38:17 1990

In article <9005210708.AA17246@ucbvax.Berkeley.EDU>, TCOMGRD1@OUACCVMB.BITNET
writes:
>
>   Well now, if packet radio does actually just "repeat" messages whithout

> checking authorization (if it is not destined for me send it on) would
> it not be possible for some non-licensed pirate to upload files and
> have them sent with no authorization??

If you are worried about this, just set the DIGI parameter OFF in your
TNC.
>
>   Also (again), What baud rate (Whats the diff between baud and bps [bits per
> second]?) should I get? I see ads that say "2400 baud with up to 1200bps".
> I'm confused. I use a 2400baud modem on my Apple already, so dont want to
> run packet slower than that unless it will cost an arm and a leg.

Will you be on VHF? Probably 1200 baud, unless someone is doing something
unusual in your area. At HF you would run 300 baud.

>   And last, but not least, Could my current modem be used for packet at all? I

No.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -5726431901453962319
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f9532,ec432c84cde24d7b,start
X-Google-Attributes: gidf9532,public
X-Google-Thread: 10c9e3,ec432c84cde24d7b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 06:58:56 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!mit-eddie!rutgers!
rochester!rit!ultb!wlw2286
From: wlw2286@ultb.isc.rit.edu (W.L. Ware)
Newsgroups: rec.ham-radio,misc.wanted
Subject: Laser Power Supply
Message-ID: <3205@ultb.isc.rit.edu>
Date: 23 May 90 21:59:48 GMT
Followup-To: poster
Organization: Information Systems and Computing @ RIT, Rochester, New York
Lines: 15
Xref: gmdzi rec.ham-radio:11694 misc.wanted:4397
Posted: Wed May 23 22:59:48 1990

I need plans for a simple He-Ne Laser power supply.
It must be 1700 V at a min of 6 mA. I have a 0-50 VDC 0-30 A bench power
supply which I wouldn't mind incorporating, I would like it to allow me
to vary the 1700 V. I have seen laser power supplies that ran off of 12
V car batteries but I have not seen the schematics for these.

Any Info is appreciated.

Lance

```
--
***********************************************************************
*W.L.Ware                                             LANCEWARE SYSTEMS*
*WLW2286%ritvax.cunyvm.cuny.edu                    Value Added reseller*
*WLW2286%ultb.isc.rit.edu                          Mac and IBM Access. *
```

From -8478746647051233408
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,198ae02764c4e0df
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 06:59:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!sdd.hp.com!hplabs!
hpcc01!hpcuhb!hpda!hpcupt1!holly
From: holly@hpcupt1.HP.COM (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: Help!
Message-ID: <7120122@hpcupt1.HP.COM>
Date: 23 May 90 18:34:47 GMT
References: <5A05160E22300291-MTABWIDENER*DXANDY@widener>
Organization: Hewlett Packard, Cupertino
Lines: 12
Posted: Wed May 23 19:34:47 1990

Andy,
I would put up the antenna on the side of the garage and have fun! You
don't say what kind of antenna you have in mind, but it should work.
There is a lady out here in net-land that lives in a mobile home park,
(read NO ANTENNAS) and she loads up the aluminum carport cover. She
has a DXCC so carport covers can't be all that bad! There are plenty of
hams living in apartments that can only string up inside dipoles or other
less than optimal antenna and get out fine. Just about any antenna you
put up will work and give you plenty of fun.
73's and hope to work you some time
Jim, WA6SDM
jholly.hpcupt1.hp.com

From -4000479008269295102
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df7e666e3957b9ff,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-05-24 07:00:42 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!wuarchive!cs.utexas.edu!
sdd.hp.com!hplabs!hpcc01!hpcuhb!hpda!hpcuha!nicholso
From: nicholso@hpcuha.HP.COM (Ron Nicholson)
Newsgroups: rec.ham-radio
Subject: FM detection question
Message-ID: <22480002@hpcuha.HP.COM>
Date: 23 May 90 19:25:37 GMT
Organization: Hewlett Packard, Cupertino
Lines: 15
Posted: Wed May 23 20:25:37 1990

First, I just got my Technician class license and call sign in the mail from the FCC. It took exactly 5 weeks and 2 days from test day.

I've been shopping around for a 2M HT. I just realized that almost all the HT's are FM and that all the repeaters are FM. But I've been listening to the 2M band on my Sony Air-8 AM scanner. Am I very confused? Or is slope detection or some other form of parasitic detection that good?

Thanks,
---

```
Ronald H. Nicholson, Jr.         Hewlett Packard
uucp: nicholso@hpda.HP.COM       Cupertino, CA
(408) 447-6603                   #include <canonical disclaimer>
brand new >>> N6YWU <<<          private pilot ASEL 151 hours
```

From -6428776218635129016
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61d8b26d21442440,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 07:12:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!wuarchive!cs.utexas.edu!samsung!
sdd.hp.com!hplabs!hpcc01!hpcuhb!hpda!hpcupt1!holly
From: holly@hpcupt1.HP.COM (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: Standardized testing
Message-ID: <7120121@hpcupt1.HP.COM>
Date: 23 May 90 16:57:16 GMT
References: <23523@bellcore.bellcore.com>
Organization: Hewlett Packard, Cupertino
Lines: 16
Posted: Wed May 23 17:57:16 1990

Yes, the "standardized" test can provide a barrier and perhaps does not test the individual for the proficiency/ability on the subject. But... on a open ended question, essay type of exam you are now subject to the subjective interpetation of the exam grader. This is the sort of thing that makes lawyers hyperventilate and start to look at the latest of hot sports cars. The standardized multiple choice exam on the other hand is very hard to attack because all candidates take the exam. The only

thing open for attack is the cutural type bias that may exist in the
question. IQ tests are famous for this type of problem.

In the college area, and especially in the lower level everyone-takes-this
course that has a 200 student class, the multiple choice, electronically
graded exam is the only way you could expect to get a result back in a
reasonable period of time.
Jim, WA6SDM
jholly@hpcupt1.hp.com

From -7733950483478283602
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43769fa522a1ed06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 08:22:16 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!uwm.edu!rutgers!bellcore!casux4!jdn
From: jdn@casux4.uucp (jonathan nagy)
Newsgroups: rec.ham-radio
Subject: Re: strange call signs
Message-ID: <23564@bellcore.bellcore.com>
Date: 24 May 90 13:27:57 GMT
References: <9005220028.AA01349@ti.com> <H1#-XQH@splut.conmicro.com>
<4a913ecf.20b6d@apollo.HP.COM> <41305@apple.Apple.COM>
Sender: news@bellcore.bellcore.com
Reply-To: jdn@casux4.UUCP (jonathan nagy)
Organization: Bell Communications Research, Inc.
Lines: 18
Posted: Thu May 24 14:27:57 1990

In article <41305@apple.Apple.COM> kchen@Apple.COM (Kok Chen) writes:
>
>I missed KK6CQ by 25 calls, KK6CW by 19 calls, KK6DX by 8 calls, and
>AA6TX by one bloody call. Time to move to another state and enter the
>lottery again :-).
>
>
>Kok Chen, AA6TY   kchen@apple.com

Its interesting, Ken. Of all the calls listed above, I think that
the call you actually got is the best! At least, from the
point of view of cw contesting, your call is clearly best.

73, NK2D

Jonathan Nagy
jdn@navaho.cc.bellcore.com
(201) 699-4445

From 6550088138195862037
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,43769fa522a1ed06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 08:42:48 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!news-server.csri.toronto.edu!utgpu!watserv1!watmath!att!cbnewsj!kb2glo
From: kb2glo@cbnewsj.att.com (thomas.kenny)
Newsgroups: rec.ham-radio
Subject: Re: strange call signs
Summary: strange call signs
Message-ID: <1990May24.154248.7343@cbnewsj.att.com>
Date: 24 May 90 15:42:48 GMT
References: <9005220028.AA01349@ti.com> <H1#-XQH@splut.conmicro.com>
Organization: AT&T Bell Laboratories
Lines: 22
Posted: Thu May 24 16:42:48 1990

When I got my novice ticket in the mail I was very surprised and happy to get not only my license but what I thought was a pretty neat call, KB2GLO. I am now General licensed and plan on getting Advanced soon. I really like my suffix but often think I'd like to get a shorter call for contesting... I even like the rythm of it in code. I don't know maybe I like it because it's mine and I've heard it so often that to me it just seems to bounce along, and no body ever got it wrong on CW. On voice though it seems alot of people think it's KB2GLL. This even happens on the 2 meter repeaters. I just find that I try to say LO more distinctly but for some reason new contacts sometimes thinks it's LL this has happen sometimes even when I gave the standard phonetics. Some people just don't get it until I tell them the suffix is like GLOW. I guess it works both ways. I mean there are some calls that are fine on CW but are harder to copy via voice!

```
--
+----------------------------------------------------------------------+
|   Tom Kenny                                                          |
|   US mail: AT&T, 307 Middletown-Lincroft Rd, Lincroft NJ 07738      |
|   voice: 201-576-3888                                                |
```

From -8279178735930020545
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f830fc799690aae5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 09:49:24 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!usc!apple!apple.com!winter
From: winter@apple.com (Patty Winter)
Newsgroups: rec.ham-radio
Subject: One less DXCC country?
Summary: Are we down to one Yemen now?
Keywords: DXCC, Yemen
Message-ID: <41307@apple.Apple.COM>

Date: 24 May 90 07:43:24 GMT
Sender: usenet@Apple.COM
Organization: Apple Computer Inc, Cupertino, CA
Lines: 41
Posted: Thu May 24 08:43:24 1990

I found this in comp.dcom.telecom:

From: moscom!de@cs.rochester.edu (Dave Esan)
Newsgroups: comp.dcom.telecom
Subject: Joined Countries
Message-ID: <8172@accuvax.nwu.edu>
Date: 23 May 90 15:06:56 GMT
Organization: Moscom Corp., E. Rochester, NY

The Yemen Arab Republic (country code 967) and the People's Democratic Republic of Yemen (country code 969) announced recently that they will merge and form a new country called (surprise) Yemen.

Has anyone heard or thought of what will happen to the country codes? Will they merge into one, or will the North still be 967 and the south be 969?

When Tanganika (255) merged with Zanzibar (259) to form Tanzania they kept both country codes. Of course, Zanzibar, an island, is physically removed from what was Tanganika.

Does anyone know the intentions of the soon to be united Germanys in regard to dialling patterns to what is presently East Germany (DDR), and which will soon be part of a single Germany?

Thanks.

 -->   David Esan   {rutgers, ames, harvard}!rochester!moscom!de

----

Does this mean that 4W or 7O is going away? Gee, and we're probably going to lose one German prefix, too. We've got to put a stop to all this global gemutlichkeit before we wind up with only two or three countries on the DXCC list. :-) :-)

But seriously, anyone know what the scoop is on this one?

Patty

From 615423399185372928
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a8ba0e60c85c3dcf
X-Google-Attributes: gid10c9e3,public

```
X-Google-ArrivalTime: 1990-05-24 10:25:36 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!uakari.primate.wisc.edu!
zaphod.mps.ohio-state.edu!uwm.edu!rutgers!deimos.cis.ksu.edu!unmvax!uokmax!
nsslsun.gcn.uoknor.edu!skaggs
From: skaggs@nsslsun.gcn.uoknor.edu (Gary Skaggs)
Newsgroups: rec.ham-radio
Subject: Re: request for information on Motorola "Pageboy II"
Message-ID: <1990May24.144341.3856@uokmax.uucp>
Date: 24 May 90 14:43:41 GMT
References: <2792@crash.cts.com>
Sender: usenet@uokmax.uucp (Nets)
Organization: National Severe Storms Laboratory
Lines: 33
Posted: Thu May 24 15:43:41 1990

In article <2792@crash.cts.com> mikey@pnet01.cts.com (Mike Shirley) writes:
>rcm@andante.UUCP (Bob Melville) writes:
>>
>>I am interested in any documentation on the Motorola
>>"Pageboy II" paging receiver. A schematic would
>>be particularly nice. I want to try to make the thing
>>into a monitor receiver for two meters.
>>
>>The problem seems to be in defeating the tone-activated
>>squelch.
>>
>>Bob Melville
>>room 3D483
>>AT&T Bell Labs
>>600 Mountain Ave.
>>Murray Hill, N.J. 07974
>>
>>thanks!
>
>
>The PB II has no carrier squelch in it.  It's 2 tone/voice only.  Go find a
>Minitor for tone/carrier squelch.
>
>***************************************************************************
>Mike Shirley,  WB6WUI        INET: mikey@pnet03.cts.com

Hold on, Bob.  Don't give up yet!  I have a pageboy II tone and voice that
has been *squelched*.  Give me a few days to round up the mods (not real
convenient, but workable) and I'll blast them off to you by USnail.
------------------------------------------------------------------------------
Gary Skaggs             Internet: skaggs@nsslsun.gcn.uoknor.edu
The National Severe Storms Laboratory (The Tornado People)
      "Shall we repair to my tent?" "I didn't know it was broken!"
```

```
From -7962387595662922836
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ec432c84cde24d7b
```

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 10:37:45 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!hp-pcd!hplsla!tomb
From: tomb@hplsla.HP.COM (Tom Bruhns)
Newsgroups: rec.ham-radio
Subject: Re: Laser Power Supply
Message-ID: <5720068@hplsla.HP.COM>
Date: 24 May 90 15:21:42 GMT
References: <3205@ultb.isc.rit.edu>
Organization: HP Lake Stevens, WA
Lines: 12
Posted: Thu May 24 16:21:42 1990

wlw2286@ultb.isc.rit.edu (W.L. Ware) writes:
>I need plans for a simple He-Ne Laser power supply.
>It must be 1700 V at a min of 6 mA. I have a 0-50 VDC 0-30 A bench power
>supply which I wouldn't mind incorporating, I would like it to allow me
>to vary the 1700 V. I have seen laser power supplies that ran off of 12
>V car batteries but I have not seen the schematics for these.

Radio-Electronics had an article on building a laser PS -- about a year ago, I think. They gave pretty complete specs, including the core for the transformer, as I recall, and also gave (as usual) a place you could buy the parts. Usual disclaimer: I haven't actually built it...

From -8798002517222952518
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,198ae02764c4e0df
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 11:31:14 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!zaphod.mps.ohio-state.edu!sdd.hp.com!apollo!hays
From: hays@apollo.HP.COM (John Hays)
Newsgroups: rec.ham-radio
Subject: Re: Help!
Message-ID: <4a963a30.20b6d@apollo.HP.COM>
Date: 24 May 90 17:13:00 GMT
References: <5A05160E22300291-MTABWIDENER*DXANDY@widener> <7120122@hpcupt1.HP.COM>
Sender: root@apollo.HP.COM
Reply-To: hays@apollo.HP.COM (John Hays)
Organization: Hewlett-Packard Company, Apollo Division; Chelmsford, MA
Lines: 11
Posted: Thu May 24 18:13:00 1990

When I was a teenager living at home, I was not even permitted an antenna outside of my basement bedroom. So I built an 80 meter helical whip on 3 feet of 3/4" dowel with 14" of copper out the top. It's useful bandwidth was about 10khz. but it loaded and I got 579 from a couple hundred miles with 75 watts (DX-60) from the basement .... part of the fun of Ham Radio is experimentation, try various antennas where and when you can build them. One of these days I will get something like a beam and tower. But in 15 years of activity in

Ham Radio ... I have had lottsa fun!!!

John KD7UW

From 7071623021544063121
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43769fa522a1ed06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 11:55:35 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!vsi1!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson xttemp dept303)
Newsgroups: rec.ham-radio
Subject: Re: strange call signs
Message-ID: <2728@wyse.wyse.com>
Date: 24 May 90 17:16:03 GMT
References: <9005220028.AA01349@ti.com> <H1#-XQH@splut.conmicro.com>
<4a913ecf.20b6d@apollo.HP.COM> <41305@apple.Apple.COM>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson xttemp dept303)
Organization: Wyse Technology
Lines: 33
Posted: Thu May 24 18:16:03 1990

In article <41305@apple.Apple.COM> kchen@Apple.COM (Kok Chen) writes:
>What about the poor soul who gets KO0OO? :-) (For computer displays that
>don't distinguish betweens Zeros and Ohs, thats Kilo Oscar Zero Oscar Oscar.)
>Should be a legit Advanced call, no?

This reminded me of a cute story told to me by a friend who happens to own WA6OOO. Darrel was driving up along highway 101 between Santa Barbara and San Luis Obispo some number of years ago in his old beat-up orange VW station wagon. Darrel has had call plates on this car for quite awhile...Anyway, he's minding his own business and obeying the speed limit(probably no choice on that count ;-) and a CHP officer decides to pull him over.

The officer walks up to him a says in an alarming fashion "Mr., I hope you have a registration to match that license plate of yours!" Now at this point it would help if you all knew Darrel just a little bit...he's got just a bit of the Devil in him...he knew this and had been waiting for the setup for YEARS. He just smiled at the officer and said "Of course I do officer" and proceeded to reach into the glove compartment and fetches the registration then hands it to the CHP officer. The cop walked away from the car scratching his head to go run the registration...Darrel was thoroughly enjoying the cop's consternation...The cop's confusion stems from the fact that in California at the time trailers were issued a 2 letter, 4 number series....like wa6000.............
I gather it took the officer a while to call in the license plate correctly and Darrel didn't offer the officer any help either.
Finally the officer came back up to him and asked "Why didn't you

tell me it was a ham license plate?!?" Darrel just smiled again
and said "Youd didn't ask."

Steve KA6S

From 3833752519007665469
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3ca6730a9ecac0a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 12:10:33 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
sdd.hp.com!hplabs!hpl-opus!hpnmdla!donm
From: donm@hpnmdla.HP.COM (Don Montgomery)
Newsgroups: rec.ham-radio
Subject: Re: Funky CW calls...
Message-ID: <1250171@hpnmdla.HP.COM>
Date: 24 May 90 15:13:46 GMT
References: <9005190704.AA02413@ucbvax.Berkeley.EDU>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 17
Posted: Thu May 24 16:13:46 1990

My "Elmer", W6ATJ, had a great call. didah Dah! DIDAADAAADAAAAAHHH!!!

Then there's a big gun DXer in San Francisco whose call is W6AWT- I don't know
if he's still around or not- anyway he liked to stretch out the "T" to make
sure everyone got it right- didah didadah DAAAAAAAAAAAAAAAAAHHHHHHHHHH!! The
guy had such a hairy signal that I could I can still envision the white-hot
PP 2000TH plates and the neighborhood streetlights dimming in synchronism
with his keying.

I worked a guy in the '50's whose call was K6ESE. dit dididit dit. I
wonder how many people wanted to add a "didit" to the end of that call.

Only dyed-in-the-wool CW freaks like myself can appreciate this type
of humor...

73
Don Montgomery, K6LTS

From 5525942548837472957
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3ca6730a9ecac0a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 13:10:58 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cica!iuvax!silver!barkeyp
From: barkeyp@silver.ucs.indiana.edu (patrick barkey)
Newsgroups: rec.ham-radio
Subject: Re: Funky CW calls...

Message-ID: <45712@iuvax.cs.indiana.edu>
Date: 24 May 90 19:44:05 GMT
References: <9005190704.AA02413@ucbvax.Berkeley.EDU> <1250171@hpnmdla.HP.COM>
Sender: root@iuvax.cs.indiana.edu
Organization: Indiana University, Bloomington IN.
Lines: 13
Posted: Thu May 24 20:44:05 1990

Gee, why limit the discussion to US calls? There have been some great ones out of Central and South America over the years. The best one I can remember was 6E5EBE. 5H3TW in the last ARRL DX contest was a fun one too, at 40 WPM. A friend of mine (who shall go nameless) thought he had worked Haiti on 5 bands instead of Tanzania ...

Speaking of sending CW, how many of you in net-land had a chance to work W4KFC when he was alive? Now there was a guy who knew how to send code ... and knew how to operate, too.

-- Pat
WA8YVR

From -7968429112663019165
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8316fbd0ec91f004,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8316fbd0ec91f004,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-24 16:17:28 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Who's on 407.75MHz?
Keywords: Mystery Frequency
Message-ID: <3342@radio.oakhill.UUCP>
Date: 24 May 90 18:50:57 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 22
Xref: gmdzi rec.ham-radio:11706 rec.radio.shortwave:1296
Posted: Thu May 24 19:50:57 1990

I'd guess Bob Parnass might know the answer to this ....

When President Bush was here in Austin last week I cranked up my BC-210, R-7000, and MX4000 to listen for possible secret service/Air Force-1 activity.

Question:
Much to my surprise I found a local AM radio station (KLBJ-AM) using 407.750 MHz as studio-to-remote director's link. 407.750 MHz is also one of the White House's secret service freuquencies...WHAT GIVES?

Incedently, I found the Ex-presidential detail frequency of 165.212 MHz was the only activity in town. Probably covering Lady Bird Johnson.

The AF-1 phone patch frequencies were silent but later I found out that Bush had taken a helicopter to Austin from Houston so AF-1 never landed in Austin hence no AF-1 activity.

Funny what you can learn when the President comes to town!

C.T.
WB4HVD

From 7561873969395244444
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e567d4f0ea2c05a0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 16:19:15 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!ncar!mephisto!mcnc!rti!dg-rtp!rtpsql0.rtp.dg.com!harrism
From: harrism@rtpsql0.rtp.dg.com
Newsgroups: rec.ham-radio
Subject: MININEC3 Primer (LONG)
Message-ID: <1990May24.213439.16068@dg-rtp.dg.com>
Date: 24 May 90 21:34:39 GMT
Sender: usenet@dg-rtp.dg.com (Usenet Administration)
Reply-To: harrism@rtpsql0.rtp.dg.com ()
Organization: Data General Corporation, Research Triangle Park, NC
Lines: 184
Posted: Thu May 24 22:34:39 1990

Here is some help for new mininec3 users who don't have the manual...

Segments - you need to tell it, for each wire, how many pieces to break it up into for the computations. In general, the more segments, the better the accuracy, the slower the computations. You should typically use an even number of segments.

Pulses - pulses are assigned to portions of the wire based upon the number of segments. Chose the pulse (for source or load) based upon the endpoint coordinates for each pulse. (Look at the geometry output). The pulse will be applied to the middle.

Source pulses are how you feed your antenna. the assigned pulse number located where you want to feed it is the source pulse number. Normally chose a voltage of 1 volt and a phase of zero degrees

Load pulses - these would correspond to loads such as traps, resistors (as in a rhombic), etc. You normally don't have theses.

As an example, take the following wire: (remember - dimensions are in meters....)

```
0    -5.277   10       5.277    0    10
```

This would be (roughly) a 20 meter dipole at 10 meters high. The program will compute the connections based upon the coordinates.

chose the frequency (say 14.2 Mhz).
enter the wire and specify 10 segments
use a diameter of, say, .002 meters

Note that pulse number 5 cooresponds to the middle of the antenna.
(obained from the mininec3 geometry report)

specify pulse 5, 1 volt, 0 degrees for the source
specify zero load pulses

Tell it to compute currents.

I got an impedence of (77+J40) for this run.

Tell it to compute far field patterns,.....

The key is to run it once, with output to disk or printer to get the antenna geometry and pulses, and then to run it again once you know this info (scrolls by much too quickly)...

A handy aid it to use mnpre to pre format input for mininec3 based upon file input. Remember that mnpre takes a xxx.NEC file and generates a mininec.INP file (you lose the xxx part), and mininec3 will *not* ask you for geometry input if it finds the MININEC.INP file laying around.

The format of the mnpre file is:

```
GW,,pulses,x1,y1,z1,z2,y2,z2,diameter
```

with a line for each wire.

thus, the TEST.NEC input file for our sample run would contain the following line:

```
GW,,10,0,-5.277,10,5.277,0,10,.002
```

Now, part two of the series answers some common questions and hopefully fills in all the gaps.

------Real questions and answers follow-----------------------------------

> Fantastic, all is approaching elightenement.

I always get worried when that happens.....
>
> Only minor problem is that if I have a "bent" wire, such as an
> inverted-Vee, do I put that in as TWO wires which have a common end - does

yes. Anything that isn't straight has to be broken into discreet straight wires.

> MININEC assume wires with coincident (X,Y,Z) are in fact connected?
> And if they are in fact insulated, do I just specify slightly different
> (X,Y,Z)s ??

yes, and yes.

> Doesn't feel right cos it seems too easy! Will try it in a second! ...

> I think I am getting my orientation in free space confused ... which only
> matters when there is ground --- and when I visualise
> ZENITH   AZIMUTH   VERTICAL   HORIZONTAL

For the coordinate system, imagine you were looking at the antenna.
X would be a distance along the ground pointing at you; Y would be a distance along the ground pointing 90 degrees from X, and to your right; Z is the altitude above ground.

For Zenith, imagine your hand pointing straight up at the sky. Then rotate your hand towards the horizon, say 10 degrees. This is a zenith angle of 10 degrees. Thus, the horizon is at 90 degrees. (I looked at alot of strange pattern plots until I figured this out).

For Azimuth, the angle is the angle between the X axis and a ray rotating towards the Y axis (looking down from the (0,0,Z) axis, it rotate counter clockwise).

```
         Z

         |
         | <phi>/ Q
         |     /|
         |    / |
         |   /  |
         |  /   |
         | /    |
         |/     |
         .______|__________________ Y
               / \     |
           /   \    |
             /     \   |
         /       \  |
        /         \ |
       / <theta>   \|
      /_____________\
     X
```

where theta is the azimuth angle ane phi is the zenith angle.
Rotating away from Z towards the point Q is positive zenith angle.
Rotating away from X counter clockwise is a positive azimuth angle.

Part three concerns connections. While mininec3 will automatically compute connections for you, you should check it's geometry output to ensure that YOU didn't make any mistakes. You can do this by checking the connection data of the geometry output.

A connection value of

zero indicates that the end of the wire isn't connected to anything (*yet*).

a negative integer with a magnitude equal to the wire number indicates a connection to ground

a negative integer with a magnitude less then the wire number indicates a wire junction. Specifically, it indicates that this end (end1 for example) is connected to the same end (end1 again) of another wire. For mininec3 this number should be the wire number of the previously defined wire that this wire connects to.

a positive integer with a magnitude less then the wire number indicates a wire junction. Specifically, it indicates that this end (end1 for example) is connected to the other end (end2 for example) of another wire. For mininec3 this number should be the wire number of the previously defined wire that this wire connects to.

I complemented this by writing a script that takes .NEC files and display's them with xgraph. Most errors show up right away!

The demand for help hasn't been swamping me, so I'd be glad to help people get started (I'm not an expert - I just have the manual!) I've been having luck with X-beams and V beams, but a friend has been having trouble with "parallel" dipoles.
Play with it!

Hope this gets you started - good luck!

Mike Harris - KM4UL harrism@dg-rtp.dg.com
Data General Corporation {world}!mcnc!rti!dg-rtp!harrism
Research Triangle Park, NC

From 3678354220552457238
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2bfbaa5a4f6994e0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 17:58:10 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpcc01!hpcuhb!hpda!hpcupt1!hpindwa!stephenm
From: stephenm@hpindwa.HP.COM (Stephen Meredith)
Newsgroups: rec.ham-radio
Subject: Bearcat scanner
Message-ID: <38120001@hpindwa.HP.COM>
Date: 24 May 90 01:00:46 GMT
Organization: Hewlett-Packard, Cupertino CA
Lines: 3
Posted: Thu May 24 02:00:46 1990

Does anybody have a bearcat 70 XLS? (I think it was XLS... I know it was XL something, or something XL.) It $100 a good buy on one of these?

From 2263794691417099277
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11e2b8adcbc80985
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 18:19:49 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!rutgers!att!cbnewsh!mrb1
From: mrb1@cbnewsh.att.com (maurice.r.baker)
Newsgroups: rec.ham-radio
Subject: Re: 4 Year Old Hams
Summary: More on kiddie hams
Message-ID: <1990May24.170215.3292@cbnewsh.att.com>
Date: 24 May 90 17:02:15 GMT
References: <9005221537.AA16983@KRONOS.NISD.CAM.UNISYS.COM> <701@n4hgf.uucp>
Organization: AT&T Bell Laboratories
Lines: 26
Posted: Thu May 24 18:02:15 1990

In article <9005221537.AA16983@KRONOS.NISD.CAM.UNISYS.COM> doug@NISD.CAM.UNISYS.COM (Doug Hardie) writes:

>I was poking around through the ARRL Handbook the other day and came
>across this info:
>
>86 Handbook, page 36-3,
> Guy Mitchell, WD0DVX passed the code test at age 4 and passed
>I ...

>don't see how a 5 year old could have understood the concepts behind
>the questions. It must have been memorized without meaning.

I had a Novice license at age 6 in 1963......had my picture in QST and everything (KN3ZIM). Doug is right --- it was basically rote memorization without understanding the concepts. Thinking back, I remember it took a lot of cajoling from my (well-meaning) parents to even sit down at my little station (Hallicrafters SX-140 and HT-40....no VFOs then). Only made a few contacts, and once the license expired (1 year term, nonrenewable) I let the stuff gather dust. Outside of a brief nerdish encounter with the hobby as a 2 Meter lid [my term, not an indictment of everybody on VHF, so no flames please] during the mid '70s CB craze I haven't been on the air (or wanted to be) for a long time.

Don't push kids....it's just not worth it.

M. Baker
homxc!jj1028

```
From 7822902807504517321
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93eda2a5a157b821
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-24 19:39:15 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Re: Callsign re-structure
Message-ID: <96473@philabs.Philips.Com>
Date: 24 May 90 14:15:04 GMT
References: <26320@ucbvax.Berkeley.EDU> <386400009@.Prime.COM>
Sender: news@philabs.Philips.Com
Reply-To: rfc@briar.philips.com.UUCP (Robert Casey)
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 22
Posted: Thu May 24 15:15:04 1990
```

In article <386400009@.Prime.COM> SS@.Prime.COM writes:
>- I think at one time Technicians were issued K1xxx calls at the
> same time Generals and Advanceds were issued WA1xxx. This would
> have been in the early to mid 70's. Can someone confirm or deny
> this?

Though not a precise answer to the above, here in 2land, I went down to the NYC FCC office and passed my Tech test (had no license before), in the summer of '76. Got issued WA2ISE, which had been used before. Once looked for and found the previous user in an old callbook. Someone in upstate NY.

If I should ever get around to learning 13wpm and get a general or advanced (I'd take the advanced test anyway), I'll still keep my current call. I like W's. and also, when I tell ordinary people about amateur radio, and mention my callsign, people can relate it to the local broadcast radio stations, as

both begin with W. Though the two services are much different, the similarity of the calls helps establish that amateurs are a radio service, and not some sort of phone modem computer thing, etc. More obvious than if I had an N, K, or A call. (I would like to see a broadcast station "NERD" :-))
(anyone get assigned N3RD :-))

73 de WA2ISE

From 8522913600298708877
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2383db3e0dcfb08a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,e0fd63b18f527438
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-05-21 09:40:17 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!execu!sequoia!attdso!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Strange Call Signs
Summary: crazy calls, CW
Message-ID: <736@ssc.UUCP>
Date: 21 May 90 06:43:53 GMT
References: <9004242215.AA02030@ti.com> <1250157@hpnmdla.HP.COM>
<6282@gollum.twg.com>
Organization: very little
Lines: 50
Posted: Mon May 21 07:43:53 1990

In article <6282@gollum.twg.com>, sawyer@twg.com (Bruce B. Sawyer) writes:
> In article <1250157@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) pokes
> a little fun at some of the strange CW call signs he has encountered:
> >
> >I suppose that a morse code fan would have liked being assigned my call:
> >WA2ISE   all dits in the suffix!   .. ... .
> >
> >My favorite is the (at one time) very active contest station WB5EEE
> >(known in some circles as "WB5S"). After the first dash in the "B", it's
> >all dits: .__ _... ....
> >
> told me she was a CW-only op, and had moved up to extra largely in the hopes
> of getting a decent CW call. You see, her general call had been N5DWN, and
> every time she answered somebody they would QSY down 5. I guess this shows
> that the FCC, just like lightening, DOES strike twice in the same place.
>   de AA6KX

My pal John and I have been hamming together for years. Back when he was N7COV and I was WA7CSK, we used to enter contests together at each other's stations.

This all changed, at least on CW, when we got new calls.

Now he is NT7S, and I am KT7H. Imagine being either one of us, and
going to the other guy's station to operate a CW contest.

My call:

-.- - --... ....

His call:

-. - --... ...

Mine has one more dah on the front and one more dit on the end. We have
real problems getting used to sending the other guy's call on CW!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 4226644664898680810
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed607579fbff3c07,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,ed607579fbff3c07,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-05-21 09:45:32 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!cica!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: 60 kHz time standard.
Message-ID: <45374@iuvax.cs.indiana.edu>
Date: 21 May 90 15:51:59 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 30
Xref: gmdzi sci.electronics:6783 rec.ham-radio:11613
Posted: Mon May 21 16:51:59 1990

WWVB references
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1. "A WWVB 60 kHz Frequency Comparator Receiver" by Ernest P. Manly,
_73_ Magazine, Sept. 1972. The now-obsolete RTL integrated circuits
in this design can probably be replaced with CMOS. It's similar in
function to the Hewlett-Packard 117A VLF Comparator but has no phase-

locked oscillator output.

2. Don Lancaster published plans for a 60-kHz WWVB receiver with time-code output, in _Radio-Electronics_, August 1973, p. 48. Methods of phase-locking are discussed. Article includes time-code format.

3. "Low-Frequency Receiving Techniques," a series of articles by R. W. Burhans in _Radio-Electronics_, March-July 1983, describes state-of-the-art LF/VLF active antennas, and a method for using LORAN-C (100 kHz) for time and frequency calibration. A set of reprints, with errata/addenda, is available from the author for $4.00:

Burhans Electronics
161 Grosvenor St.
Athens, Ohio 45701

Send SASE for catalog. See also Prof. Burhans' three-part article about Omega navigation receivers (10-14 kHz) in _Byte_ magazine, February, March, April, 1977.

--

Frank Reid   W9MKV   reid@ucs.indiana.edu

From 2816490118917612571
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8efd48b33774023
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-21 10:16:03 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!ucdavis!csusac!
From: emmonsl@athena.csus.edu (L. Scott Emmons)
Newsgroups: rec.ham-radio
Subject: Re: Automated observatory, was Re: 60Kh
Message-ID: <1990May21.154538.24612@csusac.csus.edu>
Date: 21 May 90 15:45:38 GMT
References: <981@ringwood.Morgan.COM> <30500545@ux1.cso.uiuc.edu> <1990May20.003019.8670@gpu.utcs.utoronto.ca>
Reply-To: emmonsl@athena.UUCP (L. Scott Emmons)
Organization: California State University, Sacramento
Lines: 13
Posted: Mon May 21 16:45:38 1990

In article <1990May20.003019.8670@gpu.utcs.utoronto.ca> dennis@gpu.utcs.utoronto.ca (Dennis Ferguson) writes:
>A receiver which does a good job of decoding this can be a fairly
>simple thing.

Does anyone happen to have schematics to do such a thing? The only one I've ever seen was a pre-fab and too expensive. I think it was a Heathkit. It had a built-in clock for when it lost RF, so it would still be able to keep time.

Thanks,
L. Scott Emmons

...[ucbvax]!ucdavis!csusac!athena!emmonsl
"Droppen sie dead!" -Col. Hogan

From 4012095174251228961
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17298af68db4fe04,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-21 11:25:17 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!cornell!lrj
From: lrj@ishtar.cs.cornell.edu (Lewis Jansen)
Newsgroups: rec.ham-radio
Subject: radar detector front end overload?
Message-ID: <41226@cornell.UUCP>
Date: 21 May 90 17:21:12 GMT
Sender: nobody@cornell.UUCP
Reply-To: lrj@cs.cornell.edu (Lewis Jansen)
Distribution: rec
Organization: Lab of Atomic and Solid State Physics, Cornell University
Lines: 28
Posted: Mon May 21 18:21:12 1990

Okay, here's one that I've started noticing recently. In my car I have a radar detector (Whistler 425) on the visor, and I usually also have my 2m HT (IC-2GAT). When I key up the HT, the radar detector will frequently start falsing. This happens occasionally when the HT is using the rubber ducky & 1 watt output. It's more regular when running high power (7W) with either the ducky or the 1/4 wave mag-mount on the roof.

Yesterday I installed a RF Concepts 2-23 power amp, and the >30W output to the magmount will regularly set off the detector, reading about a half-scale alert.

Has anyone else run into this problem? If this is front-end overload on the part of the radar detector, is there anything that could be done? Obviously, putting the detector into a Faraday cage is not an acceptable solution... :) Another note is that this *does* happen when the HT is running off of battery and is not connected to the amp.

Any and all ideas regarding this problem would be appreciated.

-- Lewis R. Jansen, N2KNV
LASSP/LNS Systems Manager
lrj@helios.tn.cornell.edu

From 8096711843385590768
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8efd48b33774023
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-21 12:13:16 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!dennis
From: dennis@gpu.utcs.utoronto.ca (Dennis Ferguson)
Newsgroups: rec.ham-radio
Subject: Re: Automated observatory, was Re: 60Kh
Message-ID: <1990May21.175105.567@gpu.utcs.utoronto.ca>
Date: 21 May 90 17:51:05 GMT
References: <981@ringwood.Morgan.COM> <30500546@ux1.cso.uiuc.edu>
Organization: CA*net Support
Lines: 94
Posted: Mon May 21 18:51:05 1990

In article <30500546@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>And what how are these bits encoded? I means thinks like which seconds
>of the minute cooreспond to which data item, etc? And what is this
>"other junk"? Anything useful?

I'll bite, since I once typed this in for another reason and still have a copy. For your edification the WWV(H) time code is included as well. You can actually decode the latter by ear if your short wave receiver's audio section will give you enough bass to hear the 100 Hz.

WWVB drops carrier power 10 db at the beginning of every second, and stays down for 200 ms for a 0 bit, 500 ms for a 1 bit and 800 ms for a marker. WWV(H) transmits a 100 Hz subcarrier which begins 30 ms after the on-time second (except for second 0, where the pulse is omitted) and remains on for 170 ms for a 0 bit, 470 ms for a 1 bit and 770 ms for a marker. (m)'s in the table indicate markers, while unused bits are transmitted as 0.

Note that this all comes from my copy of NBS special publication 432, which is old. WWVB has recently been upgraded to include, in addition to this, the year-of-century and a leap second warning bit in the unused bits at the end of the minute, but I've misplaced the note concerning where the new bits are actually located (I think the year is sent during seconds 45-48 and 50-53). WWV and WWVH were also to be modified to include this information but the company building the new time code generators went out of business. They are still tendering for bidders to do this, if anyone is interested.

The WWVB format is essentially IRIG-H, which is a standard time code format for laboratory use. The WWV format is unique.

```
        WWVB    WWV(H)
```

```
              m  0 hole (no 100 Hz subcarrier)
           | 40  1
           | 20  2
           | 10  3
      minute|     4
           |  8  5
           |  4  6
           |  2  7
           |  1  8
              m  9 m
                10 1  |
                11 2  |
           | 20 12 4  |
           | 10 13 8  |minute
           |    14    |
        hour|  8 15 10 |
           |  4 16 20 |
           |  2 17 40 |
           |  1 18
              m 19 m
                20 1  |
                21 2  |
           |200 22 4  |
           |100 23 8  |hour
           |    24    |
           | 80 25 10 |
           | 40 26 20 |
           | 20 27
day-of-year| 10 28
           |  m 29 m
           |  8 30 1  |
           |  4 31 2  |
           |  2 32 4  |
           |  1 33 8  |
                34    |
                35 10 |day-of-year
  1 if DUT1 +ve 36 20 |
  1 if DUT1 -ve 37 40 |
  1 if DUT1 +ve 38 80 |
              m 39 m  |
           |0.8 40 100|
        DUT1|0.4 41 200|
           |0.2 42
           |0.1 43
                44
                45
                46
                47
                48
              m 49 m
                50 1 if DUT1 +ve
                51
                52
                53
                54
  leap year ind 55 DST indicator
                56 0.1|
  DST indicator 57 0.2|DUT1
                58 0.4|
              m 59 m
```

From -3030963762747958103
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d01003e8ec7357f0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-21 12:46:12 PST
Path: gmdzi!unido!mcsun!uunet!samsung!rex!rouge!pc.usl.edu!jpd
From: jpd@pc.usl.edu (DugalJP)
Newsgroups: rec.ham-radio
Subject: Re: Dongles!!
Message-ID: <8765@rouge.usl.edu>
Date: 21 May 90 18:47:11 GMT
References: <9005200703.AA12340@ucbvax.Berkeley.EDU>
Sender: anon@rouge.usl.edu
Organization: Univ. of Southwestern La., Lafayette
Lines: 18
Posted: Mon May 21 19:47:11 1990

The Rode-PC data entry package requires these gadgets. It's one step better than copy protection, but I did have one fail and had to return it for replacement (it was free, but the package was dead until I got the new one.

I suspect that there is a state machine in the dongle, that looks at sequences of bytes sent, until it is satisfied, then returns a pattern on the parallel port status input lines. Since the printer still works, the Rode package must be sending bytes out WITHOUT the data strobe (I assume this is possible, but haven't a programming reference nearby). Perhaps one data bit is used as a strobe. Someone with a data analyzer could probably figure out the sequence.

```
--
-- James Dugal,    N5KNX         Internet: jpd@usl.edu
Associate Director     Ham packet: n5knx@w5ddl
Computing Center       US Mail: PO Box 42770  Lafayette, LA  70504
University of Southwestern LA.   Tel. 318-231-6417  U.S.A.
```

From -7998105154340095133
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d517fee9a9265898,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-21 13:04:11 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!cs.utexas.edu!rutgers!rochester!rit!ultb!wlw2286

From: wlw2286@ultb.isc.rit.edu (W.L. Ware)
Newsgroups: rec.ham-radio
Subject: Motorola Radius VHF HTs
Message-ID: <3195@ultb.isc.rit.edu>
Date: 21 May 90 18:11:28 GMT
Organization: Information Systems and Computing @ RIT, Rochester, New York
Lines: 18
Posted: Mon May 21 19:11:28 1990

Two questions on Motorola HTs.

What is list price for the VHF HTs with Antenna, Belt Clip, AC Adapter, NICAD, & Charger.

What is a good selling price for these?

And (woops) a third question, what is the Green-Dot Freq?

Thanks,
Lance Ware

```
--
************************************************************************
*W.L.Ware                                                LANCEWARE SYSTEMS*
*WLW2286%ritvax.cunyvm.cuny.edu                       Value Added reseller*
*WLW2286%ultb.isc.rit.edu                             Mac and IBM Access. *
```

From -5174398278451585883
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,821509810ea7515f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-21 14:00:09 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!newstop!east!hienergy!jimv
From: jimv@hienergy.East.Sun.COM (Jim Vienneau - CSS Program Manager)
Newsgroups: rec.ham-radio
Subject: Re: FT-470 rapid charger?
Message-ID: <1932@east.East.Sun.COM>
Date: 21 May 90 20:01:26 GMT
References: <1140033@hprnd.HP.COM>
Sender: news@east.East.Sun.COM
Reply-To: jimv@hienergy.East.Sun.COM (Jim Vienneau - CSS Program Manager)
Organization: Sun Microsystems, Billerica MA
Lines: 11
Posted: Mon May 21 21:01:26 1990

>Is there such a thing as a rapid charger for the FT-470? I know Yaseu makes a
>fast charger, 6 hours, but what I am looking for is a true rapid charger like

I have a drop-in charger for my 470 (and the XYL's 411) that charges the battery in 3 hours, then reverts to a trickle charge. I think I paid about

$60.00 for it a few months ago.

Jim Vienneau, Sun Microsystems Inc - Billerica, MA
Email: jvienneau@east.sun.com   Amateur Radio: WB1B
Good old Ma Bell (well old anyway): (508)671-0372

From 9079412258555817330
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f7742aabc27f8b94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-21 15:18:02 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!think!snorkelwacker!apple!netcom!mcmahan
From: mcmahan@netcom.UUCP (Dave Mc Mahan)
Newsgroups: rec.ham-radio
Subject: Re: TNC's / Packet Pirates
Message-ID: <12387@netcom.UUCP>
Date: 21 May 90 21:16:49 GMT
References: <9005210708.AA17246@ucbvax.Berkeley.EDU>
Organization: Dave McMahan @ NetCom Services
Lines: 20
Posted: Mon May 21 22:16:49 1990

In a previous article, TCOMGRD1@OUACCVMB.BITNET writes:
>Whats the diff between baud and bps [bits per second]?

Bits/second is just what it sounds like, the total number of bits transmitted each second. Baud is a term that can be also read as 'symbols per second'. Since a symbol can be either 1 bit, 2 bits, 3 bits, 4 bits, or more, you can vary the bits/second and still have the same baud rate. If there is only 1 symbol/second, then the bit rate and baud rate are the same number. Usually, the number of bits/symbol is an integer, but it doesn't have to be. A symbol time is the rate at which data is truely transferred on the carrier. The It is up to the equipment at each end to encode the proper number of bits in each symbol and to recover them on the receiving end. For QPSK (Quadrature Phase Shift Keying), there are 2 bits/symbol. For BPSK (Binary Phase Shift Keying), there is 1 bit/symbol.

>Pete Simpson   Bitnet: TCOMGRD1@OUACCVMB.BITNET

-dave

From 8162194714220300577
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2383db3e0dcfb08a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-21 16:19:09 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!husc6!m2c!umvlsi!umaecs!lkay
From: lkay@ecs.umass.edu (Leonard Kay, KB2R)

```
Newsgroups: rec.ham-radio
Subject: Re: Strange Call Signs
Message-ID: <9885.265818da@ecs.umass.edu>
Date: 21 May 90 16:35:38 GMT
References: <9004242215.AA02030@ti.com> <1250157@hpnmdla.HP.COM>
<6282@gollum.twg.com> <736@ssc.UUCP>
Lines: 21
Posted: Mon May 21 17:35:38 1990

In article <736@ssc.UUCP>, tad@ssc.UUCP (Tad Cook) writes:
> In article <6282@gollum.twg.com>, sawyer@twg.com (Bruce B. Sawyer) writes:
>> In article <1250157@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) pokes
>> >My favorite is the (at one time) very active contest station WB5EEE
>> >(known in some circles as "WB5S").  After the first dash in the "B", it's
>> >all dits:  .__ _... ..... . . .
>> >
> Now he is NT7S, and I am KT7H.  Imagine being either one of us, and
> going to the other guy's station to operate a CW contest.
>
One of my favorites is the shortest CW call in the US, N5EE, whom I've
worked in contests (no, he doesn't send RST 555), although since the call
sign restructuring, this call is of course matched by NE5E.

I once operated Nov. SS from a club station using another member's call,
KR2B. THAT was tough....
--
-------------------------------------------------------------------------
Leonard Kay, KB2R  UMass/Amherst      |  "It's always darkest just
(413)545-4762      lkay@ecs.umass.edu |    before it's totally black"
-------------------------------------------------------------------------



From 8306865361516479783
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7e650e6f758eb3d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,b7e650e6f758eb3d,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-21 16:19:20 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!netcom!mcmahan
From: mcmahan@netcom.UUCP (Dave Mc Mahan)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Longwire antennas for a novice with DX-440
Keywords: Longwire, antenna, DX-440
Message-ID: <12391@netcom.UUCP>
Date: 21 May 90 21:46:51 GMT
Followup-To: rec.radio.shortwave
Organization: Dave McMahan @ NetCom Services
Lines: 23
Xref: gmdzi rec.ham-radio:11622 rec.radio.shortwave:1278
Posted: Mon May 21 22:46:51 1990

I have recently purchased a DX-440 radio from Radio Shack.  I would like to
```

receive the station at 10863 KHz. I seem to have antenna problems (not enough gain) for this signal. What is the best way to go? Right now, I have a 35 ft piece of wire soldered to the center conductor of a coax cable (not sure if it is 50 ohm or 75 ohm. Does it matter?) and have the shield of the coax soldered to a piece of copper braid 1/2 wide (I use solder-wick) and have the braid attached to a cleaned water pipe just before it goes into the ground next to my house. Is this kosher? The antenna I have made doesn't seem to work as well as the built-in antenna. How can I improve this? My questions are:

1) Should the longwire antenna be mounted horizontally or vertically for best performance?

2) Is there some method to better match impedances for the long wire? (What is the impedance of a long wire?)

3) Radio Shack sells an antenna kit for this radio. Is this worth purchasing?

4) What other tips and techniques could you suggest?

-dave

From -8283622744788154549
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5bdcd8879fe3d57
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-21 17:54:32 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!swrinde!zaphod.mps.ohio-state.edu!rpi!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: ATV frequencies of upcoming SAREX mission
Keywords: ATV Shuttle orbiter frequencies humungous yagi
Message-ID: <107@ultrix.uhasun.hartford.edu>
Date: 21 May 90 21:29:17 GMT
References: <951@tsdiag.ccur.com> <40884@apple.Apple.COM>
Sender: news@uhasun.hartford.edu
Lines: 15
Posted: Mon May 21 22:29:17 1990

In article <40884@apple.Apple.COM>, winter@Apple.COM (Patty Winter) writes:

>
> Is there any real evidence that there even will *be* any ATV (FS or SS)
> on STS-35?
>

I hope not, since there *won't* be ATV on STS-35. Only packet and voice will be available; the TV (SSTV and FSTV) equipment is too bulky to fit in the (severely limited) space available for this mission.

Assuming all goes as planned, STS-37 (scheduled for November, if memory serves) will include two-way SSTV and *uplink only* FSTV capability, along with the usual voice and packet.

Jon, KE3Z

From 4434015495965888259
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fd24f215aaf8d710
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-21 17:54:36 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!brutus.cs.uiuc.edu!zaphod.mps.ohio-state.edu!rpi!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Packet/Internet gateways
Summary: *Really* no way!
Message-ID: <108@ultrix.uhasun.hartford.edu>
Date: 21 May 90 21:48:45 GMT
References: <223.UUL1.3#5131@mvac23.UUCP> <1990May14.165043.20321@smcnet.smc.edu>
Sender: news@uhasun.hartford.edu
Lines: 40
Posted: Mon May 21 22:48:45 1990

In article <1990May14.165043.20321@smcnet.smc.edu>, neal@smcnet.smc.edu (Neal Pollack) writes:

> In article <223.UUL1.3#5131@mvac23.UUCP> thomas@mvac23.UUCP (Thomas Lapp) writes:
> >I've often seen messages on this net which have been reproduced from packet
> >sources. I'm wondering if there is either 1. a gateway packet machine which
> >allows someone like me to send e-mail to a packet site or 2. someone on the
> >east coast of the USA who is interested in performing that function.
> >internet   : mvac23!thomas@udel.edu or thomas%mvac23@udel.edu
> >uucp   : {ucbvax,mcvax,psuvax1,uunet}!udel!mvac23!thomas
>
> Unfortunately, this is not currently permissible. Internet permits the
> seven bad words, commercial messages, and any other form of free
> expression.
>

Actually, the content of the traffic is probably the lesser concern. The greater concern is that no third party can initiate amateur transmissions without the participation (monitoring) of a licensed ham. Effectively, this means that *all* traffic in the Internet-to-packet direction has to be read by a ham before it is allowed to be transmitted. This isn't a gray area, by the way, in spite of the flaming you may hear to the contrary. It is perfectly clear in Part 97, as I have confirmed by discussing it with Perry Williams, the ARRL lobbyist. Much as I would *love* to see gateways of this sort, it just isn't legal to have an automatic relay from Internet to packet.

Of course, if hams could develop a track record of operating attended (monitored) gateways and show that the traffic flowing through them is benign, who knows? Maybe eventually we could have legal automatic gateways, Internet willing. The trick is to convince the FCC that there is very little opportunity for misuse of the network, particularly by criminals and the like. (You may think I'm kidding about the criminals; I'm not. A few weeks ago W4RI and I gave a packet briefing to several of the FCC staff in Washington, and it was quite obvious that the question of how to identify the originating station of a message was one of their top concerns. Perry later explained to me that they are worried that the ability to send data that isn't monitored by anyone could be used by druggies to establish communications for their illegal activities. Personally, I would think that there are better options for the illegals to use.)

Jon, KE3Z

From -5732440378816548578
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eeeba3c582b96a88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-21 17:54:39 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!think!zaphod.mps.ohio-state.edu!rpi!uupsi!uhasun!jbloom
From: jbloom@uhasun.hartford.edu (Jon Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Modem to Packet
Message-ID: <110@ultrix.uhasun.hartford.edu>
Date: 21 May 90 21:55:25 GMT
References: <1820962@MTS.RPI.EDU>
Sender: news@uhasun.hartford.edu
Lines: 18
Posted: Mon May 21 22:55:25 1990

In article <1820962@MTS.RPI.EDU>, Joel_Glickman@MTS.RPI.EDU writes:

> perhaps this is a good opportunity to ask people's views about a Modem->Packet
> server. I have set one of these up whereby I can call in from a terminal on
> a phone line and access my station. I have also allowed other ham friends to
> do the same. I believe it is legitimate remote operation when *I* am operating
> with my callsign from a remote terminal. Is it within the regs to allow fellow
> hams to access this system and use their callsigns on my TNC to connect to
> packet BBS's... etc..??
>

Sure it's legal. They are simply operating a station under remote control. Nothing wrong with that at all! The fact that the equipment is at your QTH is irrelevent; this was dealt with a couple of years ago when the FCC ruled that it was OK to use your own call sign regardless of the fact that you may be at the location of another licensed station. (As I recall, the question originally came up at about the time handhelds became popular :-)

Jon, KE3Z

From -2022142555514407814

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d22681f4d8ca9f5b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-21 17:57:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: Looking for 2m HT purchase advice.
Message-ID: <24300008@col.hp.com>
Date: 21 May 90 16:02:52 GMT
References: <10110001@hpislx.HP.COM>
Organization: HP Colorado Springs Division
Lines: 31
Posted: Mon May 21 17:02:52 1990

> From: billt@hprnd.HP.COM (Bill Thomas)
>
> | / hprnd:rec.ham-radio / jdg@hpqtdla.HP.COM (James Gentles) / 8:01 am May 17, 1990 /
> | Another vote for a IC02 AT/E as a good buy for a second hand HT
> |
> | Advantages: External DC/mic/speaker if you want. Standard ICOM batteries
> | reasonable power (3W), good reports of audio from internal mic. Can extend
> | receiver coverage to 138-163MHz.
> |
> | 73 de James
> |
> Once the diode is removed which restricts the range to the amateur band,
> what else do you have to do to be able to receive 138 to 163? My HT does
> not keep phase lock above 156MHz.
>
>   73 de Bill
>   billt.hprnd.hp.com

Many of the older synthesizers required a little readjustment of the PLL voltage control once the frequency was "opened up". This control is most likely a inductor or capacitor located in the (typically) shielded PLL module. The adjustment hole may be covered with a small sticker. I'll try to Email the details to you if I have them. Also, I remember an article (actually several) in 73 Magazine on the mods to this radio. In particular, there was one written about early 80s by Robert Morrow in 73.

Basically, you slowly tweak this control until the radio unlocks just below the lower desired frequency limit. Then you end up with the upper edge as high as it will go; for the IC-02A, typically 163 MHz.

73, Ken WA6TTY (kenw@col.hp.com)

From 4349658370887620263
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95c67b013f6cda87

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 103c3f,95c67b013f6cda87
X-Google-Attributes: gid103c3f,public
X-Google-Thread: 105d97,95c67b013f6cda87
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-05-21 21:52:52 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: comp.sys.apple2,rec.ham-radio,sci.electronics
Subject: Re: Need help with Apple2 146.76Mhz birdie (please).
Keywords: apple2, birdie, interference, rf, 146.76, clock
Message-ID: <3332@radio.oakhill.UUCP>
Date: 21 May 90 22:36:20 GMT
References: <4714@plains.UUCP>
Reply-To: charlie@radio.UUCP (Charlie Thompson)
Organization: Motorola Inc., Austin, Texas
Lines: 38
Xref: gmdzi comp.sys.apple2:2259 rec.ham-radio:11627 sci.electronics:6796
Posted: Mon May 21 23:36:20 1990

In article <4714@plains.UUCP> bezenek@plains.UUCP (Todd M. Bezenek KO0N) writes:

> I have a neighbor with an Apple2. It emmits a strong signal on 146.76Mhz. I have heard of this being a problem with all Apple2's, and know two other people who have a problem because of it.
>
> If anyone has information on how to move the frequency of this signal, PLEASE send me email.

Well let's see...the 41st harmonic of 3.579545 MHz (Apple II clock divided by 4 and also the NTSC chroma burst frequency) just happens to be 146.761 MHz. IF your neighbor doesn't use an NTSC color monitor (i.e. doesn't use composite color video output) then you might be able to change the AII's 14.31818 MHz crystal to 14.320 MHz with hopefully no bad effects. The new frequency of 14.320 MHz will give a birdie at 146.780 MHz which should be out of your receiver passband.

An even BETTER thing to do is to STOP the Apple][from radiating! Try ferrite cores an all wires leaving the unit. IF the Apple II is really old it will NOT be class B certified.... however the newer Class B FCC certified Apple II should not be radiating all the way from your neighbor's house if it is properly configured. Also on the Class B FCC certified Apple II's there is a flame-spray zinc coating on the enclosure underneath the paint. There are unpainted spots where the lid is supposed to contact the rest of the case to form an RF tight seal. This, along with various ferrite beads on the mother board, were some of the steps taken to get the original Apple II to pass FCC Class B standards.

If your neighbor has a very old Apple good luck!

-C.T. WB4HVD

p.s. if your neighbor uses an RF modulator and a color TV
you will not be able to change the crystal freq without
blitzing his colors :-(.

From -6437008946073914053
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8efd48b33774023
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-21 21:53:05 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Automated observatory, was Re: 60Kh
Message-ID: <30500547@ux1.cso.uiuc.edu>
Date: 21 May 90 20:35:00 GMT
References: <981@ringwood.Morgan.COM>
Lines: 72
Nf-ID: #R:ringwood.Morgan.COM:981:ux1.cso.uiuc.edu:30500547:000:1924
Nf-From: ux1.cso.uiuc.edu!phil   May 21 15:35:00 1990
Posted: Mon May 21 21:35:00 1990

Sorry for continuing questions, but the advantaging of usenet and internet for finding out things quickly does not work well for stuff that refers to other stuff I don't have.

First questions, is: does the minute/hour/day specified refer to the exact minute just past or the one coming up? The remaining questions refer to some bits below:

```
>               m  0
>            | 40  1
>            | 20  2
>            | 10  3
>      minute|     4
>            |  8  5
>            |  4  6
>            |  2  7
>            |  1  8
>               m  9
>                 10
>                 11
>            | 20 12
>            | 10 13
>            |    14
>        hour|  8 15
>            |  4 16
>            |  2 17
>            |  1 18
>               m 19
>                 20
>                 21
>            |200 22
>            |100 23
>            |    24
>            | 80 25
>            | 40 26
>            | 20 27
> day-of-year| 10 28
>            |  m 29
>            |  8 30
>            |  4 31
>            |  2 32
>            |  1 33
>                 34
>                 35
>   1 if DUT1 +ve 36   <----- What is DUT1 ?
>   1 if DUT1 -ve 37   <----- What is -ve ?
>   1 if DUT1 +ve 38   <----- What is +ve ?
>               m 39
>            |0.8 40   <--
>        DUT1|0.4 41   <--
>            |0.2 42   <--
>            |0.1 43   <--
>                 44
>                 45
>                 46
>                 47
>                 48
>               m 49
>                 50
>                 51
>                 52
>                 53
>                 54
>   leap year ind 55   <-- I assume ON in 1988, 1992, etc.
>                 56
>   DST indicator 57   <-- I assume does not affect time since it is UTC
>                 58
>               m 59
```

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -3674286079816967648
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,932aae2cd5fd084c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,932aae2cd5fd084c
X-Google-Attributes: gid105d97,public
X-Google-Thread: f74ae,932aae2cd5fd084c

X-Google-Attributes: gidf74ae,public
X-Google-ArrivalTime: 1990-05-21 21:57:12 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!network.ucsd.edu!celit!fpssun!mbn
From: mbn@fpssun.fps.com (Mike Northam ext 2651)
Newsgroups: rec.ham-radio,sci.astro,sci.electronics
Subject: Re: 60Khz time standard.
Keywords: 60Khz NIST
Message-ID: <7527@mbn.fps.com>
Date: 21 May 90 21:14:28 GMT
References: <188@suprtek> <998@gold.GVG.TEK.COM>
<1990May19.185105.28390@gpu.utcs.utoronto.ca>
Reply-To: mbn@fpssun.fps.com (Mike Northam ext 2651)
Followup-To: rec.ham-radio
Organization: FPS Computing, Beaverton,OR
Lines: 46
Xref: gmdzi rec.ham-radio:11629 sci.astro:4219 sci.electronics:6797
Posted: Mon May 21 22:14:28 1990

In article <1990May19.185105.28390@gpu.utcs.utoronto.ca>
dennis@gpu.utcs.utoronto.ca (Dennis Ferguson) writes:
| In article <998@gold.GVG.TEK.COM> grege@gold.GVG.TEK.COM (Greg Ebert) writes:
| >In article <188@suprtek> jc@suprtek (John Cincotta 415 790 9382) writes:
| >>
| >> Hi. I am a member of Group 70 which is building a large amateur
| >>astronomical observatory. We eventually intend to have it completely
| >>automated (remote controlled ?) and need a very accurate clock for the
| >>observatory.
| >>
| > NBS transmits 5, 10, and 15 (or is it 10, 15, 20 ?) Mhz signals which
| > are reputed to be THE time standard. Broadcasts are from Boulder, CO,
| > (WWVB), Hawaii (WWVH), and Idunno, (WWVL). They have an amplitude-
| > modulated tone (1Khz I think) and maybe some other stuff. Heathkit
| > (I'm not advertising for them) sells a "most accurate clock" kit which
| > will spit-out the time on a serial port for your computer's enjoyment.
|
| Some of the above reply is not quite correct. The NBS (now NIST)
| transmits HF time signals on 2.5, 5, 10, 15 and 20 MHz from Ft. Collins,
| CO (WWV) and Kauai, HI (WWVH, omits 20 MHz). They also do indeed transmit
| a time signal on 60 kHZ (WWVB, in Ft. Collins, CO). WWVL was a 20 kHz
| station at the Ft. Collins site but was shut down 20 years ago. In
| addition to this, NIST transmits a time code on the interrogation
| channel of the GOES satellites, this at slightly above 468 MHz. All
| this is from NBS Special Publication 432.
|
| While the WWV(H) time signals are certainly very accurate as transmitted,
| HF signals propagate by F-layer skip which means the transmission path
| length will vary somewhat unpredictably from day to night, summer to
| winter, and with changes in solar activity. The time you receive will
| thus jitter by something on the order of several milliseconds. Also,
| since HF propagation is fairly unreliable, you will need a reasonably
| stable oscillator backing the receiver for periods when the time signal
| is unreceivable.

|
Isn't time information available via C band satellite (TVRO)? I know
that CHU is available on Anik D1 (when the Canadian parliament is not
in session), and I seem to recall details of other time standard broadcasts
available via satellite. Unfortunately, I don't have any specific
information.

--
Mike Northam   mbn@fpssun.fps.com   Home:123 11' 40"W   45 37' 14"N
(503) 641-3151 x2651   {tektronix}!fpssun!mbn
FPS Computing has a company spokesperson, and it's certainly not me
"Every now and then things become clear." Jane Siberry, "The Walking"

From -6003457268819650946
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f45fcc27e31b4ab
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-21 22:40:33 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: FOC
Message-ID: <1250167@hpnmdla.HP.COM>
Date: 21 May 90 16:24:18 GMT
References: <674.26558A92@weyr.FIDONET.ORG>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 5
Posted: Mon May 21 17:24:18 1990

FOC = "First-class Operators' Club". Emphasis is on the "Club" not the
"First-class". You have to be nominated somehow to get in. It's kind
of a long-distance social club for CW DX'ers.

Al N1AL

From -1409090715765762007
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eeeba3c582b96a88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-21 23:40:32 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Modem to Packet
Message-ID: <13853@ucsd.Edu>
Date: 22 May 90 02:20:07 GMT
References: <1820962@MTS.RPI.EDU> <110@ultrix.uhasun.hartford.edu>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 14

Posted: Tue May 22 03:20:07 1990

In article <110@ultrix.uhasun.hartford.edu> jbloom@uhasun.hartford.edu (Jon Bloom) writes:
>(As I recall, the question
>originally came up at about the time handhelds became popular :-)
>Jon, KE3Z

Actually, it was simply recognition of the fact that hams have always considered their callsigns to be personal identifiers, rather than station identifiers, and have always used them as such. Even the people who bothered with using the club call always added "W6xyz at the mike".

As for coming up about the time handhelds became popular, well... Let's just say it was about the time handhelds became popular in Newington. The rest of us had already been using walkies for about 10 years or so.
     - Brian

From -8799091732617618543
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8efd48b33774023
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-22 00:20:30 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!dennis
From: dennis@gpu.utcs.utoronto.ca (Dennis Ferguson)
Newsgroups: rec.ham-radio
Subject: Re: Automated observatory, was Re: 60Kh
Message-ID: <1990May22.033031.23648@gpu.utcs.utoronto.ca>
Date: 22 May 90 03:30:31 GMT
References: <981@ringwood.Morgan.COM> <30500547@ux1.cso.uiuc.edu>
Organization: CA*Net Support
Lines: 22
Posted: Tue May 22 04:30:31 1990

Phil,

No trouble. WWVB's time code refers to the time at second 0 of the minute, i.e. the on-time minute just past. UT1 is the astronomical time scale, defined by the position of things in the sky, while UTC is the time scale defined by the cesium frequency standard. DUT1 is UT1 - UTC. Leap seconds are inserted into UTC to keep it within 0.6 or 0.7 seconds of UT1 Since the earth is currently running slow compared to the atom, DUT1 starts off positive after a leap second and drifts negative. When DUT1 reaches -0.4 or -0.6 or so, they add a leap second to UTC to make it positive again.

The leap year bit is indeed set during leap years. This is to help radio clocks do day-of-year to month/day conversions (note that the year was included in the time code only recently, so a radio clock couldn't determine what year it was and hence couldn't convert to month/day without knowing the state of this bit). WWVB returns UTC, so the DST bit doesn't affect this, but it does help radio clocks which display the time in a local timezone.

Dennis Ferguson

From -5140424658607225684
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eeeba3c582b96a88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-22 01:19:12 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Modem to Packet
Message-ID: <30500548@ux1.cso.uiuc.edu>
Date: 22 May 90 03:36:00 GMT
References: <1820962@MTS.RPI.EDU>
Lines: 15
Nf-ID: #R:MTS.RPI.EDU:1820962:ux1.cso.uiuc.edu:30500548:000:834
Nf-From: ux1.cso.uiuc.edu!phil   May 21 22:36:00 1990
Posted: Tue May 22 04:36:00 1990

> By the way, aren't there restrictions on the types of things which can be
> posted on some machines in the internet? Like advertisements?

Yes. However the specifics vary from network to network, and do not happen to be exactly the same as amateur radio. To start with, the amateur radio service restrictions originate in federal regulations whereas the restrictions on networks originate in many other places and in different forms. There can be specific policy (e.g. Dod for Arpanet) and implied or specific policies from funding sources. You may even be able to find things that are legal and accepted over ham radio and are technically against the policy of a network.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 1740878565227386899
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2383db3e0dcfb08a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-22 01:29:09 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Strange Call Signs
Message-ID: <30500549@ux1.cso.uiuc.edu>
Date: 22 May 90 03:37:00 GMT

References: <6282@gollum.twg.com>
Lines: 9
Nf-ID: #R:gollum.twg.com:6282:ux1.cso.uiuc.edu:30500549:000:376
Nf-From: ux1.cso.uiuc.edu!phil   May 21 22:37:00 1990
Posted: Tue May 22 04:37:00 1990

> One of my favorites is the shortest CW call in the US, N5EE, whom I've worked in contests (no, he doesn't send RST 555), although since the call sign restructuring, this call is of course matched by NE5E.

And AE5E.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 3071628394543636146
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2383db3e0dcfb08a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-22 01:33:34 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!umich!yale!think!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!hydra!jta
From: jta@hydra.Jpl.Nasa.Gov (Jon T. Adams)
Newsgroups: rec.ham-radio
Subject: Re: Strange Call Signs
Message-ID: <1990May22.051311.17209@elroy.jpl.nasa.gov>
Date: 22 May 90 05:13:11 GMT
References: <6282@gollum.twg.com> <30500549@ux1.cso.uiuc.edu>
Sender: Jon T. Adams
Organization: Jet Propulsion Laboratory, Pasadena, CA
Lines: 24
Posted: Tue May 22 06:13:11 1990

In article <30500549@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>
>> One of my favorites is the shortest CW call in the US, N5EE, whom I've
>...
>And AE5E.
>

And back in '83, when I first began working at JPL, one of my co-workers was AE6S. My call at the time was WA6IRH, but I was quite inactive; however, when I discovered his call and learned that there were more weird ones like that to be issued, I got to work on my code and on 18 Nov 1983 I received my new call. However, I had really hoped to avoid the two letters of my old callsign that I least liked: W and H. Of course, the FCC knew this and cursed me with them again... It can be a very confusing call on voice: the N is nearly the equivalent of an "uhh" and so the call is copied as W6H? . Of course, then there was XE2CCC who never was able to figure out my call one evening on 40m. I turned off the radio and went to bed. Yeeesh.

- H

```
--
Jon Trent Adams, NW6H         | "Per Aspera Ad Astra" A Dead Roman
JTA@hydra.jpl.nasa.gov        | Way-Rad : Opinionated : Single : Prevaricator :
"jpl don't know me from squat"| Raconteur : Engineer : President, Local Chapter
Ghenghis Khan Fan Club : Honorable Mention, "Calvin" Lookalike Contest
```

From -2475747168183380656
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,932aae2cd5fd084c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-22 02:00:49 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!ut-emx!
walt.cc.utexas.edu!jerry
From: jerry@walt.cc.utexas.edu (Jerry Porter)
Newsgroups: rec.ham-radio
Subject: Re: 60Khz time standard.
Summary: Timing accuracy.
Keywords: 60Khz NIST
Message-ID: <30284@ut-emx.UUCP>
Date: 22 May 90 06:10:59 GMT
References: <188@suprtek> <998@gold.GVG.TEK.COM> <7781@crdgw1.crd.ge.com>
Sender: news@ut-emx.UUCP
Reply-To: jerry@walt.cc.utexas.edu (Jerry Porter)
Organization: The University of Texas at Austin, Austin, Texas
Lines: 15
Posted: Tue May 22 07:10:59 1990

There are a number of considerations to be made when using Radio for timing signals. First you have the source. This can be WWV broadcasts, Loran C navigation signals, or whatever happens to be handy. Next you need to consider path length and path route. Radio waves travel faster over water. For high enough accuracy, the path length needs to be determined within 5 meters. This is about the best you can do as far as timing precision. I do have anything detail on this handy, but these type of systems cost in the 10K range. I can get more information if anyone is interested, but I don't know who's question this was.

```
Jerry Porter AKA Bass Wastelan        | Disclaimer, we don't need no stinkn'
Star's End 512-255-1030 2400baud      | disclaimers.
jerry@ccwf.cc.utexas.edu              |
--------------------------------------|       |---------------------------|
                I LIKE it.            |       | All roads lead to Trantor.|
```

From 7840380711033353033
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1f1b7f49a0782107
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c9e3,200f7ec04cfa08bf,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,200f7ec04cfa08bf,start

X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-22 02:05:24 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Modem->Packet
Summary: remote TNC, legal
Message-ID: <741@ssc.UUCP>
Date: 22 May 90 00:41:41 GMT
References: <1821899@MTS.RPI.EDU>
Organization: very little
Lines: 48
Posted: Tue May 22 01:41:41 1990

In article <1821899@MTS.RPI.EDU>, Joel_Glickman@MTS.RPI.EDU writes:
>
> In article <1820962@MTS.RPI.EDU> I wrote:
> >>server. I have set one of these up whereby I can call in from a terminal on
> >>a phone line and access my station. I have also allowed other ham friends to
> >>do the same.
>
> lrj@cs.cornell.edu replies:
>
> > Also; what happens when some non-ham dials your modem and goes
> >through your TNC? What happens to your license if this person starts
> >sending out messages of an offensive nature?
> >

Shouldn't be any more of a problem legally than if someone breaks into
your home and dinks around with your station on the air....as long as
you have taken some precautions to provide a reasonable amount of
security, you shouldn't be held liable.
>
>
> Certainly I have taken precautions so that non-hams will *not* have access
> to this system. There is a logon procedure which will only allow users which
> have been registered to use the system. People without ID's and PW's are not
> told anything, they are just hung up on. Basically, it's a closed system.
>
> My real concern is whether or not it this considered legal operation of my
> station. If my friend dials in, logs on, changes mycall, and uses my station
> under his call, is it the same as him coming over to my place, sitting down
> at my computer, changing mycall and making a contact?

This should be the same as you giving your house key to your licensed ham
friend, who then comes over and operates your station when you are not
around. No problem, as long as you take reasonable precautions.

Tad Cook
Seattle, WA

Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

****

From -7295497146633715095
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8733455cacd1bd2a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,8733455cacd1bd2a,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-05-22 05:53:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!bu.edu!mirror!necntc!necis!rbono
From: rbono@necis.UUCP (NM1D)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Help finding parts!!!
Keywords: CTC, Aerotron, VHF power
Message-ID: <1331@necis.UUCP>
Date: 21 May 90 19:17:23 GMT
Organization: NEC Technologies, Inc., Boxborough, MA
Lines: 53
Xref: gmdzi rec.ham-radio:11639 sci.electronics:6805
Posted: Mon May 21 20:17:23 1990

.
.
.
HELP.... We have a two meter (146 MHz) Amateur Radio repeater to repair. The manufacturer wants full commercial prices, and will only sell us the "whole module" at full commercial prices instead of selling us just the parts we need to repair the Power Amplifier.

We need to repair our Aerotron 60BT100R transmitter. The finals in this 100 Watt unit have destroyed themselves, and in the process destroyed the printed circuit board.

Since the commercial world is expensive (almost $500.00 to replace the whole module), and they will NOT consider selling us the parts to repair our Power Amplifier module, I am looking to the NET to help our repeater group out (Yes, this is to support an OPEN repeater).

The final transistors are made by CTC and are part number BM70-12, we need TWO (2) of these. I am told that these are no longer in production, and are very hard to locate.

If you have, or know anyone who has connections that might be able to help us, please contact me!!

We are looking for any or all of the following:

(quantity 2) CTC BM70-12 power transistors.

Circuit board for the Aerotron 60BT100 Power Amplifier strip.

Used (or new) 60BT100 Power Amp strip (we will consider a lower
power strip also), this is the 146MHz unit (VHF range A??).

Telephone
home: (603) 432-9002
work: (508) 635-6300

Address:
Rich Bono   (NM1D)
7 Redfield Circle
Derry, New Hampshire 03038

Thanks in advance!

```
--
 /***************************************************************************\
 * Rich Bono (NM1D)    If I could only 'C' forever!!    rbono@necis.nec.com *
 * (508) 635-6300          NEC Technologies Inc.                NM1D@WB1DSW *
 \***************************************************************************/
```

From -8838853979906712915
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d22681f4d8ca9f5b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-22 06:01:14 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!tut.cis.ohio-state.edu!rutgers!rochester!rit!cci632!ccird1!dls
From: dls@ccird1.uucp (Darren Swartzendruber)
Newsgroups: rec.ham-radio
Subject: Re: Looking for 2m HT purchase advice.
Message-ID: <DLS.90May22090114@ccird1.uucp>
Date: 22 May 90 13:01:14 GMT
References: <10110001@hpislx.HP.COM> <3430005@hpqtdla.HP.COM>
Sender: dls@cci632.UUCP
Organization: Computer Consoles Inc. an STC Company, Rochester, NY
Lines: 25
Posted: Tue May 22 14:01:14 1990
In-reply-to: jdg@hpqtdla.HP.COM's message of 17 May 90 15:01:42 GMT

>>>>> On 17 May 90 15:01:42 GMT, jdg@hpqtdla.HP.COM (James Gentles) said:

James> Another vote for a IC02 AT/E as a good buy for a second hand HT

James> Can extend
James> receiver coverage to 138-163MHz.

James> 73 de James

I too love my 02AT that I bought 2nd hand as my first 2m HT.

Could someone please pass along the mod for the above mentioned receiver coverage?

Thanks.

```
--

Darren Swartzendruber       CCCCCCCCCCC CCCCCCCCCCC IIIIIIIII
   KB2JJO/KT                CC       CC CC       CC II      II  COMPUTER
                            CC  CCC  CC CC  CCC  CC IIII  IIII  CONSOLES,
cci632!dls@cs.rochester.edu CC  CCCCCCC CC  CCCCCCC IIII  IIII  INCORPORATED
rochester!rit!cci632!dls    CC  CCC  CC CC  CCC  CC IIII  IIII
uunet!ccicpg!cci632!dls     CC       CC CC       CC II      II  An STC Company
uunet!rlgvax!cci632!dls     CCCCCCCCCCC CCCCCCCCCCC IIIIIIIII
```

From 6943228074415353851
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ce6e6877fb80ebeb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-22 06:06:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!ucsd!ucbvax!TOPS20.RADC.AF.MIL!FRANK
From: FRANK@TOPS20.RADC.AF.MIL
Newsgroups: rec.ham-radio
Subject: TS140 Mod
Message-ID: <12591452532.11.FRANK@TOPS20.RADC.AF.MIL>
Date: 21 May 90 13:54:33 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Mon May 21 14:54:33 1990

Could someone please supply me with the mod for all band transmit for the Kenwood TS140S? Your help would be greatly appreciated. Thanks.

```
          Joe -- WD2F
-------
```

From 1960031645261726577
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43769fa522a1ed06,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-05-22 06:06:56 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!ucsd!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: RE: strange call signs
Message-ID: <9005220028.AA01349@ti.com>
Date: 22 May 90 00:19:55 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 31
Posted: Tue May 22 01:19:55 1990

This is not so much STRANGE as interesting.

We gave a NOVICE exam a while back and the guy got his call:

KB5MIJ

As he was pondering phunny phonetics, the best he had discovered
to date had been "Made In Japan". I pointed out that the last
three letters were quite significant-- if run backwards!

His name is JIM.

There is a lady in North Carolina (she and her OM are formerly from 8-land,
West Virginia) whose call is wD8EBI and her name is DEBBI.

Her 610 went in with a stack from a Novice/Tech class at the local club.

What's the probablility that hers fell right without help?

==============================

Almost makes yah think the FCC is human after all...

--Bob West WA8YCD   (Willy Adams ATE Your Chicken Dinner)
Dallas Texas

RLWEST@FLOPN2.CSC.TI.COM

From 7855060896853958206
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc9e2e07df0d38,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-22 06:07:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!ucsd!ucbvax!TECNET1.JCTE.JCS.MIL!mgb

From: mgb@TECNET1.JCTE.JCS.MIL
Newsgroups: rec.ham-radio
Subject: ANS: Request for Repeat of WEFAX/GEOS Info
Message-ID: <9005220131.AA27529@tecnet1.jcte.jcs.mil>
Date: 22 May 90 01:31:42 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Tue May 22 02:31:42 1990

John Moore HAM:NJ7E/CAP:T-Bird 381
{asuvax,mcdphx}!anasaz!john john@anasaz.UU writes:

>Recently there was a posting that mentioned C-band satellite (TVRO)
>subcarriers that carried the GOES-E, GOES-W and charts images.
>Could someone please send me that data again. I lost it, and it
>has already been purged from our news directories.
> THanx

Twas I John. Hook the unclamped baseband video on your IRD up to your HF rig and I would suggest about a 30 DB pad in the middle. The bird is Spacenet-3 (S-3) transponder 17. The emission is FM and I suspect it is around 20 KHz deviation because I am clipping a little bit using the standard 10 KHz bandwidth found in most amateur rigs in FM mode. The images are sent in APT mode usually using HF modes of 120 lpm and a IOC that matches HF also. I have heard them shift to 240 lines per minute on occasion. The freqs. are around 1.5720 Mhz for the charts and 1.8840 and 1.9315 Mhz for the GOES WEST and GOES EAST images respectfully. They use the standard start and stop tones also.

Mark Bitterlich
mgb@tecnet1.jcte.jcs.mil

From -1970966078973458633
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db912ce243b14834,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-22 06:17:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!ucsd!ucbvax!CONSRT.ROK.COM!nix%muppet.decnet
From: nix%muppet.decnet@CONSRT.ROK.COM ("MUPPET::NIX")
Newsgroups: rec.ham-radio
Subject: Question About Military RTTY Practices
Message-ID: <9005220703.AA07559@ucbvax.Berkeley.EDU>
Date: 21 May 90 19:45:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Mon May 21 20:45:00 1990

I was trying to work NPG, Saturday afternoon on 20 Meter RTTY, during Armed Forces Day. Although he heard me once, we didn't manage to have a proper `exchange'.

A question came to mind. With NPG transmitting (just below the bottom end of 20 Meters) `upside down' (ie. his mark-space frequencies were inverted, as compared to amateur radio practice), was he listening `inverted' also?

My second question is, when a military station announces "listening on 14.080 MHz", does he expect to find our mark (or space) carrier on that frequency or, should we `straddle' it? I believe that its been an accepted practice, among hams, to refer to the `mark' frequency, when it's necessary to specify frequency. What are the accepted military/commercial standards? Is this sort of thing specified in some CCIR publication?

Any thoughts on this subject would be appreciated.

Please reply to (InterNet) "nix%muppet.decnet@consrt.rok.com".

Thanks,

Paul Nix WB5AGF

From -3675030119575762813
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eecbd483151d705a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-22 06:17:40 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!ucsd!ucbvax!S51.PRIME.COM!BUSH
From: BUSH@S51.PRIME.COM
Newsgroups: rec.ham-radio
Subject: The GAP Antennas
Message-ID: <9005220704.AA07614@ucbvax.Berkeley.EDU>
Date: 21 May 90 19:51:17 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Mon May 21 20:51:17 1990

I was unable to respond directly to the person interested in this antenna.

Therefore: Check out the March 1990 issue of CQ magazine, pp. 32-33 for and article by Lew McCoy W1ICP.

Lew seems impressed by the antenna, and comments that the DX-VI works out very nicely from 80 through 2 meters! Yes, it works well on 6 and 2 meters as a bonus.

Check it out.

```
From -6312456686677269463
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eeeba3c582b96a88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-22 07:50:54 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!hobbes
From: perley@hobbes (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: callsign as personal id (Re: Modem to Packet)
Message-ID: <7840@crdgw1.crd.ge.com>
Date: 22 May 90 13:02:38 GMT
References: <1820962@MTS.RPI.EDU> <110@ultrix.uhasun.hartford.edu>
<13853@ucsd.Edu>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@hobbes (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 15
Posted: Tue May 22 14:02:38 1990
In-reply-to: brian@ucsd.Edu (Brian Kantor)
```

In article <13853@ucsd.Edu>, brian@ucsd (Brian Kantor) writes:

>Actually, it was simply recognition of the fact that hams have always
>considered their callsigns to be personal identifiers, rather than
>station identifiers, and have always used them as such. Even the people
>who bothered with using the club call always added "W6xyz at the mike".

Not always... There is a guy who works here who didn't even get a call sign when he became a ham. His brother was already a ham, and at the time (late 30's?) the FCC would not issue a second station license for the same address. So he just got the operators ticket and no station until his brother moved out.

-don perley
perley@trub.crd.ge.com

```
From 3545166005450987752
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95c67b013f6cda87
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,95c67b013f6cda87
X-Google-Attributes: gid105d97,public
X-Google-Thread: 103c3f,95c67b013f6cda87
X-Google-Attributes: gid103c3f,public
X-Google-ArrivalTime: 1990-05-22 07:51:22 PST
```

Path: gmdzi!unido!mcsun!uunet!crdgw1!hobbes
From: perley@hobbes (Donald P Perley)
Newsgroups: comp.sys.apple2,rec.ham-radio,sci.electronics
Subject: Re: Need help with Apple2 146.76Mhz birdie (please).
Keywords: apple2, birdie, interference, rf, 146.76, clock
Message-ID: <7839@crdgw1.crd.ge.com>
Date: 22 May 90 12:45:32 GMT
References: <4714@plains.UUCP> <3332@radio.oakhill.UUCP>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@hobbes (Donald P Perley)
Followup-To: comp.sys.apple2
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 22
Xref: gmdzi comp.sys.apple2:2267 rec.ham-radio:11647 sci.electronics:6806
Posted: Tue May 22 13:45:32 1990
In-reply-to: charlie@oakhill.UUCP (Charlie Thompson)

In article <3332@radio.oakhill.UUCP>, charlie@oakhill (Charlie Thompson) writes:
>In article <4714@plains.UUCP> bezenek@plains.UUCP (Todd M. Bezenek KO0N) writes:
>>
>>I have a neighbor with an Apple2. It emmits a strong signal on 146.76Mhz.
>>I have heard of this being a problem with all Apple2's, and know two
>>other people who have a problem because of it.
>>
>>   If anyone has information on how to move the frequency of this
>>signal, PLEASE send me email.

>Well let's see...the 41st harmonic of 3.579545 MHz (Apple II clock
>divided by 4 and also the NTSC chroma burst frequency) just happens
>to be 146.761 MHz.

If you can find out which node on the computer has this harmonic, you could soften up the signal edges with a small capacitor. Either find it with a signal strength meter with high pass filter, or look on the schematic for a clock line that may be overdriven.

-don perley ke2tp

perley@trub.crd.ge.com

From -2832558205042115529
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eec2b87ee9e0450,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109c0d,eec2b87ee9e0450,start
X-Google-Attributes: gid109c0d,public
X-Google-Thread: f76e2,eec2b87ee9e0450,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-05-22 08:07:01 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!rutgers!rochester!rit!ultb!wlw2286
From: wlw2286@ultb.isc.rit.edu (W.L. Ware)
Newsgroups: rec.ham-radio.swap,misc.forsale,rec.ham-radio

Subject: Motorola P 10s
Keywords: Possibly Forsale, Interest
Message-ID: <3199@ultb.isc.rit.edu>
Date: 22 May 90 03:14:33 GMT
Followup-To: poster
Organization: Information Systems and Computing @ RIT, Rochester, New York
Lines: 17
Xref: gmdzi rec.ham-radio.swap:423 misc.forsale:1516 rec.ham-radio:11648
Posted: Tue May 22 04:14:33 1990

A friend of mine has about 20 Motorola P-10 Handhelds, all crystalled
the same and all with Chargers, Antennas, etc... He is considering
selling them however he would like to get a feel for how much people
would pay for them. These are all brand-new units with 2 year
warranties.

If you are interested in them please send you mail to my address and I
will forward it to him. Please no UNREASONABLE offers, he does not need
to sell these units.

Lance Ware

```
--
************************************************************************
*W.L.Ware                                                LANCEWARE SYSTEMS*
*WLW2286%ritvax.cunyvm.cuny.edu                       Value Added reseller*
*WLW2286%ultb.isc.rit.edu                             Mac and IBM Access. *
```

From -1691923503957302152
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4e2da0e570fea074
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-22 08:09:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!ge-dab!tarpit!peora!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: ** Another Novice Question **
Message-ID: <965@tsdiag.ccur.com>
Date: 21 May 90 17:44:02 GMT
References: <860002@hpspcoi.HP.COM>
Organization: Concurrent Computer Corp. Oceanport NJ
Lines: 19
Posted: Mon May 21 18:44:02 1990

In article <860002@hpspcoi.HP.COM> mlau@hpspcoi.HP.COM (Mel Lau) writes:
>
>If you take the NOVICE test and pass can you immediatley take
>the TECHNICIAN test, which I believe is just another written test ?
>
>If you pass that can you immediately take the GEN test ?
>

Yep, you sure can. In fact, I did just that. Since I didn't have _any_ license at all when I walked into the test, I had to wait for the FCC to be able to transmit. (There is no "temporary KN for novices!) If you already have a license, you'll get a temporary authorization to use your new privs.

```
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

From 1774470875161384892
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b5a7775fc249ca1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-22 08:32:28 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!rutgers!bellcore!casux4!jdn
From: jdn@casux4.uucp (jonathan nagy)
Newsgroups: rec.ham-radio
Subject: Re: GAP FED ANTENNA
Message-ID: <23483@bellcore.bellcore.com>
Date: 22 May 90 13:49:13 GMT
References: <9005220703.AA07537@ucbvax.Berkeley.EDU>
Sender: news@bellcore.bellcore.com
Reply-To: jdn@casux4.UUCP (jonathan nagy)
Organization: Bell Communications Research, Inc.
Lines: 27
Posted: Tue May 22 14:49:13 1990

In article <9005220703.AA07537@ucbvax.Berkeley.EDU> LCASHIN@UNCAEDU.BITNET (Laurence M. Cashin) writes:
>
>I am a new subscriber to Info-HAms and I am a recently Licensed
>Amateur V O 1 X C. I am interested in learning of any experience
>

Congratulations!

>you may have had with the Challenger DX-V and/or DX-VI Antennae from
>Gap Antenna Products of Vero Beach Forida,

The antenna is basically a half-wave vertical on 20 meters with additional stubs to provide matching on other bands. I gave it a look at Dayton a few weeks ago, and my friend N2EA bought one and erected it as described in the instructions sheet. The antenna works very well on 20 meters, but is a complete wash out on the other bands. 40 and 80 are particularly dissapointing.

I would find the room for radials and put up a Butternut if you want to go with a vertical.

73, NK2D

Jonathan Nagy
jdn@navaho.cc.bellcore.com
(201) 699-4445

From 8286031345855921674
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9f0cc5b4e1a6ba23,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9f0cc5b4e1a6ba23,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-22 08:49:54 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!uwm.edu!bionet!arisia!roo!halvorse
From: halvorse@parc.xerox.com (Per-Kristian Halvorsen)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Drake R-4B or similar sought
Message-ID: <HALVORSE.90May22070206@fanaraaken.parc.xerox.com>
Date: 22 May 90 14:02:06 GMT
Sender: news@parc.xerox.com
Reply-To: Halvorsen@xerox.com,Figueroa.pa@xerox.com
Followup-To: rec.ham-radio
Distribution: rec
Organization: Xerox PARC, Palo Alto, CA
Lines: 6
Xref: gmdzi rec.ham-radio:11651 rec.radio.shortwave:1281
Posted: Tue May 22 15:02:06 1990

I am interested in purchasing a used Drake-4B or similar receiver suitable for occasional DX use (not interested in a portable). Any leads or suggestions would be appreciated.

Thanks,
Per-Kristian

From -2530873178510719l3
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a76e6fea648b47b9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-22 08:56:19 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!news-server.csri.toronto.edu!utgpu!cunews!bcars8!bnrgate!bcarh342!mleech
From: mleech@bcarh342.bnr.ca (Marcus Leech)
Newsgroups: rec.ham-radio
Subject: TEC-200 film
Keywords: pcb pcb-fabrication thermal-transfer-films
Message-ID: <1990May22.140312.29766@bnrgate.bnr.ca>
Date: 22 May 90 14:03:12 GMT

Sender: news@bnrgate.bnr.ca (USENET News Administration)
Organization: Bell-Northern Research, Ltd. Ottawa Ontario CANADA
Lines: 9
Posted: Tue May 22 15:03:12 1990

I'm looking for a Canadian supplier of a film known as
TEC-200. This is a thermal-transfer film that can be used
to produce "iron-on" PCB artwork. Anybody know who manufactures
this stuff?

```
-----------------
Marcus Leech, 4Y11             Bell-Northern Research  |opinions expressed
mleech@bnr.ca                  P.O. Box 3511, Stn. C   |are my own, and not
VE3MDL@VE3JF.ON.CAN.NA         Ottawa, ON, CANADA      |necessarily BNRs
```

From 166436010815464101
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d01003e8ec7357f0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-22 09:04:57 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!mcdphx!citek.phx.mcd.mot.com!hbg6
From: hbg6@citek.phx.mcd.mot.com
Newsgroups: rec.ham-radio
Subject: Re:Dongles!!
Message-ID: <12940@mcdphx.phx.mcd.mot.com>
Date: 22 May 90 04:45:43 GMT
Sender: listen@mcdphx.phx.mcd.mot.com
Reply-To: hbg6@citek.phx.mcd.mot.com
Lines: 20
Posted: Tue May 22 05:45:43 1990
Summary:
Expires:
References:<9005200703.AA12340@ucbvax.Berkeley.EDU>
Sender:
Followup-To:
Distribution:

In article <9005200703.AA12340@ucbvax.Berkeley.EDU> 702WFG@SCRVMSYS.BITNET (bill gunshannon) writes:
>...hook up to the printer port (paralel) and don't interfere with the normal
>operation of the printer. I had always assumed they had enough smarts to
>
>Anybody got more info?? Anybody from Banyan out there??
> Inquiring minds want to know!

This 'enquiring' mind Xray'd the damn thing. It appears to have a voltage
regulator, a four bit CMOS counter, and some misc analog voltage/drive
looking components. The counter is of the presetable variety and you can
see traces on the board where cuts have programmed the devide by ratio
of the counter. Our guess is one data line sets the clock, another line

strobes it, and the program reads the devided clock on yet another line.
We think all of the analog stuff kills this clock circuit when the
data strobe is asserted. We haven't tried to defeat it. Since we're a
large corporation, we just buy more keys. Luckily, inquiring minds run
the Xray equipment.

John

From 5607363230276246350
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b58db6526c181660,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-22 09:33:49 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!
mips!pacbell.com!pacbell!att!dptg!mtune!jak
From: jak@mtune.ATT.COM (Jim Kutsch)
Newsgroups: rec.ham-radio
Subject: 2M antenna ideas for Dodge caravan wanted
Message-ID: <577@mtune.ATT.COM>
Date: 22 May 90 16:33:49 GMT
Organization: AT&T BL Middletown/Lincroft NJ USA
Lines: 8
Posted: Tue May 22 17:33:49 1990

I have a Dodge caravan and a garage with a fairly low door.
I want to install a permanent 2M antenna on the Caravan.
The mag mount gets knocked over and scratches the roof.
Does anyone have any success stories or recommendations?

Thanks in advance.
73, jim ky2d

From 2326871447663697732
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e4c1b750251a5aa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-22 10:17:20 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: 20m Bandits
Message-ID: <41255@apple.Apple.COM>
Date: 22 May 90 16:00:08 GMT
Organization: Apple Computer Inc., Cupertino, CA
Lines: 34
Posted: Tue May 22 17:00:08 1990

It's bad enough to be invaded on 10m by taxi drivers, but while slumming
on 20m last evening (a little after 0600Z), I came across a sideband signal

at 14.084 MHz. Sideband at 14.084? Moreover, it is *lower* side-band. Now, what self-respecting Ham would do that? I got curious and listened. Sounded like a bunch of stations (at least 3) conversing in what seemed to me to be the Hakka dialect of Chinese. They were yakking away as if they were on cellular telephone or something. The strongest was coming in with a good S9. Quite likely to be fishermen in the Pacific. Certainly not Hams.

It gets more interesting. When I tuned across again about half an hour later, there is this "fake" CW station trying to jam them. Well, I say "trying" because this lid was at absolute zero beat with them. HI. Didn't do squat to QRM them. He/she was also sending gibberish CW (hey, my morse ain't *that* bad to not be able to read proper CW :-). But, now and then, a couple of CQs and VVVs got through. Smoking gun. A fellow Ham almost for sure. For a while, I though I heard an RTTY signal on top of them, too. But, at that frequency, it could be a legitimate one who wasn't aware that he was sharing the spectrum in an intimate fashion. Anyway, the CW jammer finally wised up and started to sweep slowly back and forth across the LSB signals -- that finally drove the non-hams away.

So. We are not supposed to cause malicious interference. But, has the FCC interpreted whether this applies to interference to a service that is not supposed to be there in the first place? If so, how does one get rid of these strangers?

Would be interesting for 3D2AM to say "listening 14,084, plus minus 5."
:-) :-) :-).

Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From 3322051465585450750
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16bf398bb332bf55,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-22 10:52:41 PST
Path: gmdzi!unido!mcsun!uunet!samsung!rex!ames!haven!decuac!shlump.nac.dec.com!nodename.dec.com!elkind
From: elkind@nodename.dec.com (Steven A. Elkind)
Newsgroups: rec.ham-radio
Subject: question about TEC-200 film
Message-ID: <11830@shlump.nac.dec.com>
Date: 22 May 90 16:08:18 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corporation
Lines: 9
Posted: Tue May 22 17:08:18 1990

Is TEC-200 film any different from the normal overhead transparency film that one feeds into the hopper of a copier, like Folatran X-100? (not the stuff you combine with a paper copy and put through a thermal transfer machine).

Has anyone tried to use this film to make iron-on PWB resist?

de KB1RB

From 8220088101580037908
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3ca6730a9ecac0a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-22 15:00:28 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!helios.ee.lbl.gov!h2opolo.ee.lbl.gov!jackz
From: jackz@h2opolo.ee.lbl.gov (Jack Zelver)
Newsgroups: rec.ham-radio
Subject: Re: Funky CW calls...
Message-ID: <5673@helios.ee.lbl.gov>
Date: 22 May 90 19:32:59 GMT
References: <9005190704.AA02413@ucbvax.Berkeley.EDU>
Sender: usenet@helios.ee.lbl.gov
Reply-To: jackz@h2opolo.ee.lbl.gov (Jack Zelver)
Organization: Lawrence Berkeley Laboratory, Berkeley
Lines: 12
Posted: Tue May 22 20:32:59 1990
X-Local-Date: 22 May 90 12:32:59 PDT

In article <9005190704.AA02413@ucbvax.Berkeley.EDU> MCL9337@TAMVENUS.BITNET writes:
>
>There's always mine... KB5III
>
>_._ _... ....
>
>Mark Lowe - KB5III

Gee, Mark, that's a really great CW call! You should consider
yourself a very fortunate ham! Enjoy it!

73, Jack Zelver - W6RST

From 6616057240181650280
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,43769fa522a1ed06
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-22 17:44:46 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!mailrus!uwm.edu!rpi!zaphod.mps.ohio-state.edu!lavaca.uh.edu!uhnix1!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: strange call signs

Message-ID: <H1#-XQH@splut.conmicro.com>
Date: 22 May 90 16:27:13 GMT
References: <9005220028.AA01349@ti.com>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 15
Posted: Tue May 22 17:27:13 1990

In article <9005220028.AA01349@ti.com> rlwest@flopn2.csc.ti.com (Bob West, WA8YCD) writes:
>We gave a NOVICE exam a while back and the guy got his call:
>   KB5MIJ
>As he was pondering phunny phonetics, the best he had discovered
>to date had been "Made In Japan". I pointed out that the last
>three letters were quite significant-- if run backwards!
>His name is JIM.

Do you know Jim McClellan, N5MIJ? He lives up there, too.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jay@splut.conmicro.com   (eieio)| adequately be explained by stupidity.
attctc, RIP. It was nice knowing ya +---------------------------------------
  "Flying is a lot more fun than being in the Senate." -- Senator Jake Garn

From 2505522342197649410
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a76e6fea648b47b9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-22 17:49:30 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!mephisto!mcnc!rti!dg-rtp!aquila!harrism
From: harrism@aquila.rtp.dg.com (Mike Harris)
Newsgroups: rec.ham-radio
Subject: Re: TEC-200 film
Keywords: pcb pcb-fabrication thermal-transfer-films
Message-ID: <1990May22.205315.4323@dg-rtp.dg.com>
Date: 22 May 90 20:53:15 GMT
References: <1990May22.140312.29766@bnrgate.bnr.ca>
Sender: usenet@dg-rtp.dg.com (Usenet Administration)
Reply-To: harrism@dg-rtp.dg.com
Organization: Data General Corp., Research Triangle Park, NC
Lines: 14
Posted: Tue May 22 21:53:15 1990

In article <1990May22.140312.29766@bnrgate.bnr.ca>, mleech@bcarh342.bnr.ca (Marcus Leech) writes:
> I'm looking for a Canadian supplier of a film known as
> TEC-200. This is a thermal-transfer film that can be used

     I heard *somewhere* that TEC-200 is just a special type of
     transparency film for copiers. Not a special one designed

just for PCB work; just one of the ones that happens to work well. Can't remember where I saw this, but you might want to try it. Post results if you do.

Mike Harris - KM4UL   harrism@dg-rtp.dg.com
Data General Corporation   {world}!mcnc!rti!dg-rtp!harrism
Research Triangle Park, NC

From -4305924628121621573
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88f779132603669a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-22 17:51:15 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: HT use in Guadalupe Mountains, Texas
Message-ID: <24300009@col.hp.com>
Date: 22 May 90 15:52:24 GMT
References: <1990May21.154448.20870@mozart.amd.com>
Organization: HP Colorado Springs Division
Lines: 7
Posted: Tue May 22 16:52:24 1990

I was just there this last Easter vacation. The only two repeaters I could bring up (I believe) were 19-79 and 34-94, both in Carlsbad. Both have the capability to link into the Zia Network, which covers much of New Mexico, part of Texas, and Arizona. However, nothing (as far as I could tell) would reach to Guadelupe NP. I even double-checked with some locals in the area. The exception might be if you climb up to the mountain tops.

From -3076686744190038372
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,81ccb6b8728d5799,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-22 18:38:02 PST
Path: gmdzi!unido!mcsun!uunet!mdcbbs.com!perschau
From: perschau@mdcbbs.com
Newsgroups: rec.ham-radio
Subject: Need address Butternut Electronics (please)
Message-ID: <1990May22.103921.869@mdcbbs.com>
Date: 22 May 90 10:39:21 GMT
Organization: McDonnell Douglas M&E, Cypress CA
Lines: 9
Posted: Tue May 22 11:39:21 1990

Help ! After serving me faithfully for 8 years, my Butternut HF6V antenna has given up a few key parts to midwest winters. The owners manual lists a phone number that now belongs to a Texaco gas station. If anyone can send me the

correct phone and/or address, I would sure appreciate it. Directory assistance
does not have any listings for them.   tnx in advance.

Bob Perschau KA9ART (A Real Turkey)
uunet   uucp%uunet!mdcbbs.com!perschau
internet perschau@mdcbbs.com

From 6255207788639391694
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,ee03dc93854dc4e8
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,ee03dc93854dc4e8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-22 22:22:14 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!asuvax!mcdphx!udc!paul
From: paul@urbana.mcd.mot.com (Paul Jones)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Query on PRO-34 frequency mod
Message-ID: <1264@urbana.mcd.mot.com>
Date: 22 May 90 11:53:52 GMT
References: <112@heimat.UUCP>
Organization: Motorola Microcomputer Division, Urbana, IL
Lines: 19
Xref: gmdzi rec.radio.shortwave:1288 rec.ham-radio:11661
Posted: Tue May 22 12:53:52 1990

In article <112@heimat.UUCP> dan@heimat.UUCP (Dan 'Sneakers' Schein) writes:

>   Well I finally decided to do the 'euro' mod to my PRO-34 (restore the
> 66 - 88 MHz range). Based on the collection of PRO-34 mods I collected
> from the net I added a diode to D-9 (the old one removed from D-11 when
> I restored full 800 Mhz). It appears as though I now have this new range
> of frequencies -BUT- at the cost of my 30-54 MHz range :-(

>   Its an easy job to remove the diode and be back where I started but my
> question is: Has anyone been able to get both? Does anyone actually use
> or check these mods (in particular this one)?

Yes, indeed. 30-54 disappears when you install D-9. I just pulled
mine out last night. None of the instructions I saw mentioned this.
--

Paul Jones, Motorola MCD-UDC   paul@urbana.mcd.mot.com
1101 E. University Ave.   ...!uiucuxc!udc!paul
Urbana, IL 61801, USA   (217) 384-8529

From 2626954509390424O0
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d22681f4d8ca9f5b
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-05-18 14:46:24 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpcc01!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Re: Looking for 2m HT purchase advice.
Message-ID: <24300006@col.hp.com>
Date: 18 May 90 15:25:44 GMT
References: <10110001@hpislx.HP.COM>
Organization: HP Colorado Springs Division
Lines: 39
Posted: Fri May 18 16:25:44 1990

As a newcomer to ham radio, I am looking for some advice on purchasing
my first rig, a 2m HT. I want to start with a couple-year-old used one

----

A few more opinions:

* By now you have noted that folks are pretty opiniated on the merits of various rigs. The ideal feature set/user interface varies a great deal with the speaker. The technical issues are a bit more concrete. If someone has actually tested a radio and found it lousy then its probably lousy and overrides thousands of comments of "I've never had a problem.")

* I would suggest that EVERY radio mfg has introduced a dog a one time or other. But generally ICOM, KENWOOD & YAESU have all built some fine radios.

* Power output: most folks I know leave their HT's on low power due to battery life considerations. Most repeaters in Colo do just fine with fairly low power. The exception might be the "HT in the car" mode. First action there is an external antenna. Along these same lines I vote for multiple small battery packs rather than one big one. Keeps the HT size down and allows you to recharge one pack while using the other.

* Memories: try to get an HT that remembers the offset in memory. Some of the older ones (Yaesu FT208R, for example) require you to muck with the offset control every time you switch memories.

* The IC2AT is a fine radio, but doesn't have memories.

Bob Witte   HP Colorado Springs Division
bobw@col.hp.com   P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO 80901
Radio: KB0CY   Packet: kb0cy@w0lkd
"Ban all activities that I don't participate in...
 they are obviously non-essential."

From 4780569497539281486
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,781fbba7065cf176
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-18 15:16:52 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: New Wide Band Scanner (hand Held)
Keywords: Good Bye ICOM, Hello AOR
Message-ID: <2281@anasaz.UUCP>
Date: 18 May 90 18:37:16 GMT
References: <1598@raybed2.msd.ray.com> <1990May16.202509.2429@ncsuvx.ncsu.edu> <3174@ultb.isc.rit.edu>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 17
Posted: Fri May 18 19:37:16 1990

In article <3174@ultb.isc.rit.edu> wlw2286@ultb.isc.rit.edu (W.L. Ware) writes:
]Does anyone know if the 600-805 MHz is recoverable?
]
]What are the specs on the Icom?
]
]Lance

The wide-band radio shack scanners use a UHF local oscillator (~750-... MHz), and ~610 MHz first IF. Since this 610 is also the first IF in standard cable TV converters, this is probably not a coincidence. Thus, if you try to receive in this frequency range, you run into problems - both LO frequency stretch, and feedback between front end and IF.
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {asuvax,mcdphx}!anasaz!john john@anasaz.UUCP
Voice: (602) 951-9326 (day or eve)   FAX:602-861-7642 Advice: Long palladium,
USnail: 7525 Clearwater Pkwy, Scottsdale, AZ 85253   ......: Short petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From 1440493053314570175
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,821509810ea7515f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-18 15:39:47 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpcc01!hpcuhb!hpda!hpcupt1!hprnd!billt
From: billt@hprnd.HP.COM (Bill Thomas)
Newsgroups: rec.ham-radio
Subject: FT-470 rapid charger?
Message-ID: <1140033@hprnd.HP.COM>
Date: 18 May 90 22:39:47 GMT
Organization: HP Roseville Networks Division
Lines: 7

Posted: Fri May 18 23:39:47 1990

Is there such a thing as a rapid charger for the FT-470? I know Yaseu makes a fast charger, 6 hours, but what I am looking for is a true rapid charger like what Kenwood has for the HT 25AT.

Thanks in advance for the information.

Bill

From -3293194077115190074
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0d5521820dc9076,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-18 15:42:45 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!ducvax.auburn.edu
From: mhall@ducvax.auburn.edu (Mark Hall)
Newsgroups: rec.ham-radio
Subject: 2m Mobile Purchase Advice Sought
Keywords: 2m mobile
Message-ID: <5501@emory.mathcs.emory.edu>
Date: 18 May 90 20:50:03 GMT
Sender: news@mathcs.emory.edu
Reply-To: mhall@ducvax.auburn.edu
Organization: Auburn University
Lines: 11
Posted: Fri May 18 21:50:03 1990

I want to purchase a 2m mobile rig that will serve as a rig for the car (my home away from home) and a radio to support packet. The rigs that I am considering are the Kenwood TR751A, Yaesu FT290R, and a used Icom 255A. I will appreciate any feedback I can get concerning these rigs, or any others that any of you might think worthy of consideration, but are not on my list. I would prefer the "all mode" feature, but it isn't a necessity. I will gladly summarize my results, and repost in a few days. Thanks in advance for any and all assistance!

```
Mark Hall       Internet==>  MHall@Ducvax.Auburn.Edu
                MaBell  ==>  205/844-9185
```

From 6882488898392181810
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,932aae2cd5fd084c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-18 17:09:07 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!zaphod.mps.ohio-state.edu!usc!apple!netcom!mcmahan
From: mcmahan@netcom.UUCP (Dave Mc Mahan)
Newsgroups: rec.ham-radio
Subject: Re: 60Khz time standard.
Keywords: 60Khz NIST

Message-ID: <12320@netcom.UUCP>
Date: 18 May 90 23:16:51 GMT
References: <188@suprtek> <998@gold.GVG.TEK.COM> <7781@crdgw1.crd.ge.com>
Organization: NetCom- The Bay Area's Public Access Unix System
Lines: 21
Posted: Sat May 19 00:16:51 1990

>In article <188@suprtek> jc@suprtek (John Cincotta 415 790 9382) writes:
>
>   Hi. I am a member of Group 70 which is building a large amateur
>astronomical observatory. We eventually intend to have it completely
>automated (remote controlled ?) and need a very accurate clock for the
>observatory.

In the last radio telescope I worked on in Japan (34 Meter dish in Kashima, completed late last year) they used a hydrogen maser to provide a 10 MHz reference for things like downconverters. Unfortunately, they had only one located about 700 Meters away from our dish, and ran it out on some cheapo coax (RG-58, I think) that was quite prone to the 50 Hz power line frequency used locally. REALLY screwed up the maser purity. The local oscillators wouldn't lock because the PLO's weren't getting a stale frequency. They also used the dial up 'phone time' to set all their clocks for pointing the telescopes. Seemed kind of wierd, after dropping $10M on the telescope, but I guess it works for them.

Just thought you might get a chuckle from this info.

   -dave

From 6863334494794361184
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9adc762330d199a8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,9adc762330d199a8,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-05-18 21:02:23 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio.packet,rec.ham-radio
Subject: Mod file: Uniden 2510 AGC speed mod for packet
Keywords: *WARNING: mod file WARNING*
Message-ID: <95833@philabs.Philips.Com>
Date: 19 May 90 04:02:23 GMT
Sender: news@philabs.Philips.Com
Lines: 27
Xref: gmdzi rec.ham-radio.packet:2270 rec.ham-radio:11592
Posted: Sat May 19 05:02:23 1990

copied from packet:
```
 Msg# TSF  Size #Rd Date/Time MsgID        From   To
26389 BF   1878   1 0508/1111 6894_TI3DJT  TI3DJT MODS@NYNET ()
  Sb: speeding up Uniden 2510 AGC
```

For those of you who are using a Uniden 2510 for packet, you can speed up AGC speed considerably, just by removing the AGC SSB switch transistor Q-111 This transistor switches the AGC off for CW operation, and on for SSB operation. All I did was remove it and my radio now works with very good speed on 10m. You may put a switch between the pads that were for collector and ground. When you want slow AGC turn the switch ON pulling line to ground. For fast agc turn switch off leaving line floating. That is all there is to it.

The description of the mod for the 2510 may work for the 2600. Those who have the Uniden 2600 may find that the AGC is the same for this radio. Look for NJM2902 IC (this is the AGC amp), you may find a transistor connected thru a RC network, to pin 12 of said ic. Remove also. (this mod not tested!)

Ciao de Chuck ti3djt @ ti0paq.cri.na

Note: I haven't tried or verified this, proceed at your own risk! WA2ISE

===

A notice found on a piece of test equipment made in Japan:
"IT PUT ON THE VINYL SHEET ON THE SURFACE OF UPPER & LOWER PANEL FOR THE PROTECTION PLEASE USE AFTER TEAR OFF VINYL SHEET WHEN USING.

From -5261650784371043330
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,932aae2cd5fd084c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-18 23:09:28 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!sdd.hp.com!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: Automated observatory, was Re: 60Khz time standard.
Message-ID: <18230020@hpfcdj.HP.COM>
Date: 18 May 90 18:03:49 GMT
References: <188@suprtek>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 36
Posted: Fri May 18 19:03:49 1990

The 60 kHz time transmissions are WWVB, which is believe is very similar in format to the transmissions from WWV or WWVH on 2.5, 5, 10, 15, and 25 MHz. All are run by the NIST (formerly NBS); WWV's transmitters are right here in good ol' Ft. Fun, Colorado (if I stand up and look north right now, I can just make out the antenna farm!). WWVH is near Kehaka, Dauai, Hawaii.

These stations supply VERY accurate time and frequency information; not only is the carrier on-frequency to within an inch of its life, but the various beeps, clicks, and other tones used in the transmissions are similarly accurate. (For example, the tone at the top of the minute is EXACTLY(tm) 1kHz.)

The time is also encoded in a BCD format on a 100 Hz subcarrier.

My 1981 copy of the ARRL _Radio_Amateur's_Handbook_ has a one-page diagram outlining the format, and I suppose that you could find this information in later editions as well. Or, simply write to:

Radio Station WWV
2000 E. County Rd. 58
Ft. Collins, CO 80524

Another station which provides a similar service is CHU, operated by the Canadian government on 3330 kHz, 7335 kHz, and 14670 kHz. They also provided encoded time information (although theirs is in a different format). Unfortunately, I do not have an address for CHU information.

There used to be a Heathkit clock which used WWV's time codes to keep itself correctly set, and I believe an RS-232 interface (or some such) was available as an option; I don't know if they still make this or not, but it or similar commercially-available products might be just the thing for unattended operation.

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
myers%hpfcla@hplabs.hp.com               |  sentient life-form on this planet.
```

From -8631647646071420122
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1f1b7f49a0782107,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-19 02:38:14 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!uwm.edu!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!MTS.RPI.EDU!Joel_Glickman
From: Joel_Glickman@MTS.RPI.EDU
Newsgroups: rec.ham-radio
Subject: Modem->Packet
Message-ID: <1821899@MTS.RPI.EDU>
Date: 18 May 90 15:54:28 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 37
Posted: Fri May 18 16:54:28 1990

In article <1820962@MTS.RPI.EDU> I wrote:
>>While the subject of Internet->Packet gateways is floating around netland,
>>perhaps this is a good opportunity to ask people's views about a Modem->Packet
>>server. I have set one of these up whereby I can call in from a terminal on
>>a phone line and access my station. I have also allowed other ham friends to
>>do the same. I believe it is legitimate remote operation when *I* am operating
>>with my callsign from a remote terminal. Is it within the regs to allow fellow
>>hams to access this system and use their callsigns on my TNC to connect to

>>packet BBS's... etc..??
>>

lrj@cs.cornell.edu replies:

> Also; what happens when some non-ham dials your modem and goes
>through your TNC? What happens to your license if this person starts
>sending out messages of an offensive nature?
>
> This isn't a flame, just want to make sure you have all the
>potential disasters in mind...

Certainly I have taken precautions so that non-hams will *not* have access
to this system. There is a logon procedure which will only allow users which
have been registered to use the system. People without ID's and PW's are not
told anything, they are just hung up on. Basically, it's a closed system. Only
the people who I've given access to manually can get on.

My real concern is whether or not it this considered legal operation of my
station. If my friend dials in, logs on, changes mycall, and uses my station
under his call, is it the same as him coming over to my place, sitting down
at my computer, changing mycall and making a contact? I believe that through
my interpretation of the rules, this is legitimate. What do you think?

===
Joel Glickman (KA1PRT)
Troy, NY

From -3886490971365797681
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4a16f5414158bf44,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-19 02:38:21 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!NISD.CAM.UNISYS.COM!
doug
From: doug@NISD.CAM.UNISYS.COM (Doug Hardie)
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9005182138.AA29037@KRONOS.NISD.CAM.UNISYS.COM>
Date: 18 May 90 21:38:02 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Fri May 18 22:38:02 1990

Subject: SPICE models

Are there any SPICE models for common components (transistors etc.)
available through the internet? I need a few and can't justify the
expense of an entire library.

-- Doug WA6VVV

From -2959866008238457477
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3ca6730a9ecac0a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-19 02:38:23 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!TAMVENUS.BITNET!MCL9337
From: MCL9337@TAMVENUS.BITNET
Newsgroups: rec.ham-radio
Subject: Funky CW calls...
Message-ID: <9005190704.AA02413@ucbvax.Berkeley.EDU>
Date: 19 May 90 06:58:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Sat May 19 07:58:00 1990

There's always mine... KB5III

_._ _... ....

Mark Lowe - KB5III

MCL9337@TAMVENUS.BITNET

From 1974923533933057355
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d22681f4d8ca9f5b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-19 05:56:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!hpcuhb!hpda!hpcupt1!hprnd!billt
From: billt@hprnd.HP.COM (Bill Thomas)
Newsgroups: rec.ham-radio
Subject: Re: Looking for 2m HT purchase advice.
Message-ID: <1140032@hprnd.HP.COM>
Date: 18 May 90 16:32:41 GMT
References: <10110001@hpislx.HP.COM>
Organization: HP Roseville Networks Division
Lines: 15
Posted: Fri May 18 17:32:41 1990

| / hprnd:rec.ham-radio / jdg@hpqtdla.HP.COM (James Gentles) / 8:01 am May 17, 1990 /
| Another vote for a IC02 AT/E as a good buy for a second hand HT
|

| Advantages: External DC/mic/speaker if you want. Standard ICOM batteries
| reasonable power (3W), good reports of audio from internal mic. Can extend
| receiver coverage to 138-163MHz.
|
| 73 de James
|

Once the diode is removed which restricts the range to the amateur band,
what else do you have to do to be able to receive 138 to 163? My HT does
not keep phase lock above 156MHz.

73 de Bill
billt.hprnd.hp.com

From -6843491563566225111
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8ccb998c967c58af,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-19 07:03:25 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!hrc!xroads!kjustice
From: kjustice@xroads.UUCP (Keith Justice)
Newsgroups: rec.ham-radio
Subject: Need diagram for old Henry TEMPO fmh-2 HT
Message-ID: <1068@xroads.UUCP>
Date: 19 May 90 00:14:35 GMT
Reply-To: kjustice@xroads.UUCP (Keith Justice)
Distribution: rec.ham-radio
Organization: Crossroads, Phoenix, AZ 85046
Lines: 20
Posted: Sat May 19 01:14:35 1990

I urgently need a schematic diagram for an old Henry Radio Tempo fmh-2
handie talkie. I had been using this for packet work, but it died.
It doesn't look too tough to work on, but without a diagram ...

I will be glad to pay for copying, or reasonable price for original, and
postage.

Please reply via E-mail or packet:

asuvax!xroads!kjustice
or
KF7TP@W1FJI.AZ.USA.NA

Thanks for anyone who can help!!!   Keith
--
```
\  /  Crossroads Communications
 /\   (602) 941-2005 300|1200|2400 Baud 24 hrs/day
/  \  hplabs!hp-sdd!crash!xroads!kjustice
```

From 2617896919737940510
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cdf98ae0a79cbeb
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c9e3,6ada4bba2dd3271e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-19 07:43:41 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!execu!sequoia!attdso!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Armed Forces Day. What frequencies will be used???
Summary: AFD Schedule
Keywords: Armed Forces Day, Frequency
Message-ID: <728@ssc.UUCP>
Date: 19 May 90 00:08:04 GMT
References: <512@synopsys.COM>
Organization: very little
Lines: 85
Posted: Sat May 19 01:08:04 1990

In article <512@synopsys.COM>, georgez@synopsys.com (George Z) writes:

>
> Does anyone out there in ham radio land know what the schedule is for
> Armed Forces Day? Do you have a list of the stations, times and
> frequencies and modes they will be operating? Thanks alot.
>
> 73 de George KJ6VU   aka: georgez@synopsys.com

Here is a copy of a bulletin that I picked up off of packet the other day:

Armed Forces Day Operations Schedule, May 19, 1990

AAE	>		LSB	4030.5
AAE	>		LSB	7358.5
AAE	>	Ft.Sam, Houston, TX	USB	13994.5
AAE	>		USB	227992.5
AAE	>		CW/RTTY	14511.5
AAH	>		LSB	4033.5
AAH	>		USB	14488.5
AAH	>	Fort Lewis, WA	USB	20975.0
AAH	>		USB	27820.0
AAH	>		CW/RTTY	6988.0
AIR	>		LSB	4025.0
AIR	>		LSB	7315.0
AIR	>	Washington, DC	USB	14408.0
AIR	>		RTTY	13986.5
AIR	>		CW	6995.5
AIR	>		CW	13997.5
NAM		Norfolk, VA	USB	14400.0
NAM		--- " ---	CW/RTTY	14400.0

NAV	>	Cheltenham, MD	USB	14389.5
NAV	>		RTTY	7372.5
NPG	>		LSB	7301.5
NPG	>		USB	14375.0
NPG	>		USB	20625.0
NPG	>		USB	27950.0
NPG	>	Stockton, CA	RTTY	13927.5
NPG	>		CW	6970.0
NPG	>		CW	7365.0
NPG	>		CW	10259.5
NPG	>		CW	13975.5
NPG	>		CW	20998.5
NPG	>		CW	24805.0
NPL		San Diego, CA	USB	14385.0
NPL		--- " ---	RTTY	7382.5
NMH	>		LSB	7346.3
NMH	>		USB	20937.5
NMH	>	Alexandria, VA	RTTY	14440.0
NMH	>		CW	4015.0
NMN		Portsmouth, VA	CW/RTTY	7393.0
NZJ		El Toro, CA	USB	14480.0
NZJ		--- " ---	RTTY	7375.0
WAR	>		LSB	4018.5
WAR	>		USB	14403.5
WAR	>	Fort Derrick, MD	USB	20994.0
WAR	>		CW/RTTY	10180.0
WAR	>		CW	6998.5

Compiled by K4ON from May, 1990 QST

Last year I went out to Fort Lewis, Washington (near Tacoma) to operate the Army MARS station there. Quite impressive! For some reason, I pictured a small station with old gear tucked into the back of a Quonset hut somewhere. What I found was a LARGE antenna farm that definately looked like a high-powered HF military station. There was a nice building with a separate room for each operating position. I got to operate some very nice Harris mil-spec high powered HF radios into some huge log-periodics and wire arrays. It was fun working cross-band on all those weird frequencies.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -7643876415317990243
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,932aae2cd5fd084c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-19 07:54:08 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!utastro!ward
From: ward@utastro.UUCP (Mike Ward)
Newsgroups: rec.ham-radio
Subject: Re: 60Khz time standard.
Keywords: 60Khz NIST
Message-ID: <5114@utastro.UUCP>
Date: 19 May 90 06:40:53 GMT
References: <188@suprtek> <998@gold.GVG.TEK.COM> <7781@crdgw1.crd.ge.com>
Reply-To: ward@astro.UUCP (Mike Ward)
Organization: UT AUSTIN Astronomy Department/McDonald Observatory
Lines: 38
Posted: Sat May 19 07:40:53 1990

In article <7781@crdgw1.crd.ge.com> perley@hobbes (Donald P Perley) writes:
>In article <998@gold.GVG.TEK.COM>, grege@gold (Greg Ebert) writes:
>>In article <188@suprtek> jc@suprtek (John Cincotta 415 790 9382) writes:
>>>
>>> Hi. I am a member of Group 70 which is building a large amateur
>>>astronomical observatory. We eventually intend to have it completely
>>>automated (remote controlled ?) and need a very accurate clock for the
>>>observatory.
>>>
<< stuff deleted >>
>> (I'm not advertising for them) sells a "most accurate clock" kit which
>> will spit-out the time on a serial port for your computer's enjoyment.
>
>I may stick my foot in my mouth here, but John Cincotta said he needed
>accuracy better than 300 microseconds. That means (assuming
<< stuff deleted >>
>-don perley
>perley@trub.crd.ge.com

Why do you need such an accuracy? With a clock that is only 0.001s accurate, you can achieve a pointing accuracy of 0.015 arcsec.s, which is much less than the errors introduced by telescope flexure and atmospheric conditions. At McDonald Observatory we automated our 36" telescope with a clock that has about the same accuracy as the Heathkit 'most accurate clock'. The system puts the object on the cross-hairs every time. We are currently looking to port this system onto our 107", 82" and 30" scopes also.

A clock with only millisecond time accuracy can also serve as the time standard for your insturments. VERY rarely do you ever need a more accurate time than a millisecond in astronomical data collection.

Mike Ward

Supv. Computer Support
University of Texas
McDonald Observatory
ward@astro.as.utexas.edu

From 3190867190439811075
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b5a7775fc249ca1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-19 11:13:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!ucsd!ucbvax!UNCAEDU.BITNET!LCASHIN
From: LCASHIN@UNCAEDU.BITNET (Laurence M. Cashin)
Newsgroups: rec.ham-radio
Subject: GAP FED ANTENNA
Message-ID: <9005220703.AA07537@ucbvax.Berkeley.EDU>
Date: 19 May 90 18:13:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Sat May 19 19:13:00 1990

I am a new subscriber to Info-HAms and I am a recently Licensed
Amateur V O 1 X C. I am interested in learning of any experience

you may have had with the Challenger DX-V and/or DX-VI Antennae from
Gap Antenna Products of Vero Beach Forida,
As I have limited space available for Antennae the concept appeals
to me but As with any new product, I am a little hesitant to be the
first Kid on the block with one .
I would appreciate any info on this product that you may be able to provide.
73's
Laurie Cashin
V O 1 X C
St. John's, Nfld.

From 4278118516188107229
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0d5521820dc9076
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-19 11:45:20 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ames!pacbell.com!pacbell!att!cbnewse!parnass
From: parnass@cbnewse.att.com (Bob Parnass, AJ9S)
Newsgroups: rec.ham-radio
Subject: Re: 2m Mobile Purchase Advice Sought (IC-228H review)
Summary: Icom IC-228H product review - FM only, no SSB/CW
Keywords: 2m mobile

Message-ID: <1990May19.121755.9718@cbnewse.att.com>
Date: 19 May 90 12:17:55 GMT
References: <5501@emory.mathcs.emory.edu>
Organization: AT&T Bell Laboratories, Naperville, IL
Lines: 183
Posted: Sat May 19 13:17:55 1990

In article <5501@emory.mathcs.emory.edu>,
mhall@ducvax.auburn.edu (Mark Hall) writes:

> I want to purchase a 2m mobile rig that will serve as a rig for the
> car (my home away from home) and a radio to support packet.

PRODUCT REVIEW: ICOM IC-228H 2M TRANSCEIVER

by Bob Parnass, AJ9S

My Icom IC28A performed very well, and giving it to my wife afforded me the opportunity to buy another 2 meter radio.

What do I look for in a 2 meter transceiver? Being a scanner enthusiast, I look for wide frequency coverage on receive, and reasonable scanning facilities. Reliability and ease of obtaining schematics and parts are important, and Icom, Kenwood, and Yaesu score well here.

I prefer 25 watt radios to 45 watt radios for a few reasons:

1. I believe manufacturers overrate their transmitters' power specifications. Most models use hybrid modules for the driver/final amplifier stage. As a recent QEX article points out, the hybrid modules are only 25% - 50% efficient, which means the bulk of the power is dissipated in the form of heat.1

   The heat sinks on today's radios are just not big enough to dissipate the kind of heat developed during my typical QSO (conversation). The heat sink on my old 25 watt Motorola MetrumTM never got nearly as hot at the heat sinks on late model 25 watt Japanese radios. My 25 watt Kenwood TR-7800 and IC28A became very hot during QSOs. Pity those who bought Kenwood's "45 watt" TM-221A transceiver. It's not until they read the owner's manual that they learned Kenwood recommends against transmitting for more than 1 minute out of 3.

   Heat shortens the already finite life of the hybrid modules, and I've been forced to replace these modules on various radios, to the tune of over $55 apiece (not including my labor).

2. It's easier to find power supplies for 25 watt radios, because they require only 6 - 7 amperes, versus 9 - 10 amperes for their 45 watt counterparts. The smaller power supplies are less expensive and are easier to find surplus.

3. Signals from 25 watt transmitters are almost as strong as those from 45 watt radios.

The IC228A/H series is Icom's replacement for the IC28A/H two meter radios. The tradition of offering two models at different transmitter power levels continues, with the 25 watt IC228A and 45 watt IC228H.

The IC228 contains a single VFO, and 20 memory channels. All the memory channels behave the same, as contrasted with some Kenwood designs which limit the flexibility of certain memory channels, while permitting special operations with others. Each IC228 memory channel can store receive frequency, CTCSS tone, transmit frequency offset, and scan list lockout.

Unlike Yaesu radios, the IC228 comes equipped with a synthesized CTCSS (PLTM) tone encoder, which is almost a necessity for using repeaters in the Chicagoland area. Any one of 32 tone frequencies can be selected from the front panel, and associated with a memory channel or VFO.

Repeater offsets are selectable from 5 KHz through 10 MHz, and can be stored in memory. You could conceivably store 20 different repeater frequencies in the IC228, each with a different offset and tone.

I wanted the 25 watt IC228A, but only IC228H models were available at the time. I'm glad I bought the IC228H high power model, because an internal potentiometer made it easy to reduce power output from 45 watts down to 25 watts. The large heat sink affords extra cooling capacity, and the final amplifier should last longer. Even so, the heat sink becomes too hot to hold during a moderately long QSO! Heat is eventually transferred from the heat sink to the entire radio case, making the entire radio "untouchable."

The major changes in IC228 circuitry from the IC28 design involve the microprocessor. The RF circuits remain similar, using the same transistor lineup in the transmitter stages and the now familiar Motorola MC3357 IF detector/squelch chip popular in scanners.

Icom took cues from the Kenwood TM2530 series to improve the LCD display panel and make the front panel controls visible in the dark. The display on the IC228 makes use of colored backgrounds for various fields, and is easier to read than the display in the IC28.

Unlike the IC28, the IC228 emits a beep tone each time a key is depressed. Although some people find this feature annoying in walkie-talkies, the beeps make it more convenient to operate the IC228 while driving. Icom recognizes freedom of choice, and permits the user to disable the beep.

The volume, squelch, and tuning knobs, as well as several buttons, are now backlit - an improvement over the IC28. The IC28 contained a photocell which automatically varied the LCD backlighting with changing ambient light levels, however the newer IC228 permits the user to select from 4 fixed levels of backlighting.

There is no free lunch, and Icom fans had to give up something in exchange for the new control backlighting: the plastic front panel and tuning knob on IC228 feel chintzier than the metal panel and rubber padded knob on the IC28.

Another new feature is a "lock" pushbutton, which disables the radio's front panel controls. I haven't found this as useful as the lock slide switch on the DTMF up/down microphone. The up/down pushbuttons on the microphone can be bumped accidentally in the mobile environment, and the slide switch prevents unplanned frequency changes.

The IC228's scanning features are on par with, or slightly above those of other 2 meter transceivers, but not as well implemented as in "real" scanners. The IC228 scans at the same speed as the 28 - rather slowly. A reasonable memory scan, with channel lockout, is provided. This is an improvement over the early Kenwood TH-215 walkie-talkie memory scan, which lacked a lockout feature, so one was forced to scan ALL channels.2

The timer operated scanning in the IC228 causes the radio to resume scanning 2 seconds after the carrier drops, or after 15 seconds - whichever occurs first. Too bad the IC228 lacks a carrier operated mode, like the feature in the Kenwood TM2530, so the receiver would "stay put" until the carrier drops.

The IC228 includes the ability to search between 2 frequency limits, and users of the American versions can select tuning steps of 5 KHz or more. The search limits are programmed into a special register pair, so they don't tie up memory channels. The search will pause as soon as the squelch opens, which usually brings the receiver to a halt off the center of the station you want to hear. Unfortunately, Icom didn't adopt the Kenwood "center tuning" or Bearcat ZeromaticTM feature, which forces the searching to stop right on the center frequency. The Bearcat window detector circuit employs operational amplifiers, fed by the discriminator signal, to generate a logic level when the receiver is tuned within 2.5 KHz of center frequency.

When the IC28 was first introduced, it was offered with either the standard or DTMF microphones, at two different prices. Apparently, most people wanted DTMF mikes, and a DTMF microphone is provided with the IC228.

Except for the high heat sink temperatures, the IC228 performed well during a recent cross country trip. With the radio bolted to the center console of my truck, the receiver audio output was ample, the display easy to read day and night, and stations in Pennsylvania and Ohio praised the transmitted audio quality.

I'm pleased with the IC228, and recommend it.

---

1. See "RF Hybrid Modules: Building with Bricks," by Bill Olson W3HQR, in July 1988 QEX.

2. Late vintage Kenwood TH-215 walkie-talkies now come with upgraded firmware which permits channel lockout. A new CPU chip may be retrofitted into earlier units, but Kenwood charges for this service.

```
--
============================================================================
Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihuxz!parnass (708)979-5414
```

From 1000760859450337274
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,932aae2cd5fd084c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,932aae2cd5fd084c
X-Google-Attributes: gid105d97,public
X-Google-Thread: f74ae,932aae2cd5fd084c
X-Google-Attributes: gidf74ae,public
X-Google-ArrivalTime: 1990-05-19 12:06:06 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!utgpu!dennis
From: dennis@gpu.utcs.utoronto.ca (Dennis Ferguson)
Newsgroups: rec.ham-radio,sci.astro,sci.electronics
Subject: Re: 60Khz time standard.
Keywords: 60Khz NIST
Message-ID: <1990May19.185105.28390@gpu.utcs.utoronto.ca>
Date: 19 May 90 18:51:05 GMT
References: <188@suprtek> <998@gold.GVG.TEK.COM>
Organization: CA*Net Support
Lines: 105

Xref: gmdzi rec.ham-radio:11577 sci.astro:4192 sci.electronics:6765
Posted: Sat May 19 19:51:05 1990

In article <998@gold.GVG.TEK.COM> grege@gold.GVG.TEK.COM (Greg Ebert) writes:
>In article <188@suprtek> jc@suprtek (John Cincotta 415 790 9382) writes:
>>
>>   Hi. I am a member of Group 70 which is building a large amateur
>>astronomical observatory. We eventually intend to have it completely
>>automated (remote controlled ?) and need a very accurate clock for the
>>observatory.
>>
>   NBS transmits 5, 10, and 15 (or is it 10, 15, 20 ?) Mhz signals which
>   are reputed to be THE time standard. Broadcasts are from Boulder, CO,
>   (WWVB), Hawaii (WWVH), and Idunno, (WWVL). They have an amplitude-
>   modulated tone (1Khz I think) and maybe some other stuff. Heathkit
>   (I'm not advertising for them) sells a "most accurate clock" kit which
>   will spit-out the time on a serial port for your computer's enjoyment.

Some of the above reply is not quite correct. The NBS (now NIST) transmits HF time signals on 2.5, 5, 10, 15 and 20 MHz from Ft. Collins, CO (WWV) and Kauai, HI (WWVH, omits 20 MHz). They also do indeed transmit a time signal on 60 kHZ (WWVB, in Ft. Collins, CO). WWVL was a 20 kHz station at the Ft. Collins site but was shut down 20 years ago. In addition to this, NIST transmits a time code on the interrogation channel of the GOES satellites, this at slightly above 468 MHz. All this is from NBS Special Publication 432.

While the WWV(H) time signals are certainly very accurate as transmitted, HF signals propagate by F-layer skip which means the transmission path length will vary somewhat unpredictably from day to night, summer to winter, and with changes in solar activity. The time you receive will thus jitter by something on the order of several milliseconds. Also, since HF propagation is fairly unreliable, you will need a reasonably stable oscillator backing the receiver for periods when the time signal is unreceivable.

Heathkit does make a clock to receive the WWV(H) time code (which is modulated on a 100 Hz subcarrier, you can hear it if you turn up the bass on your radio), and it is cheap, but it is also incredibly poorly done. The time code from the serial port only gives you the time to one decimal place after the seconds (i.e. 100 ms), you have to guess at the rest. Worse, if the receiver loses the time signal (which it will, this is HF radio) the time will sail off into never-never land with no indication that all is not well. A well-done WWV(H) receiver with an RS-232 interface is sold by

Traconex Inc.
1140 N. Kraemer Blvd, Ste. G
Anaheim, CA 92806

but this is probably not a big volume item and is quite pricey (I think $1200 or so). This will provide time to within a few milliseconds of UTC under most conditions.

Because low frequency radio is less affected by ionospheric variation (it propagates using the earth's surface and the ionospheric D-layer as a wave guide), WWVB will in principle give you accuracy better than 500 us, and perhaps as good as 100 us. There are a number of companies which sell WWVB receivers, including

Spectracom Corp.
101 Despatch Dr.
East Rochester, NY 14445

Kinemetrics/Truetime
3243 Santa Rosa Ave.
Santa Rosa, CA 95407

but if you don't like the price of the Traconex receiver you aren't going to like these at all. Note also that if you really need 300 us time at all times you would probably want to back these radios with a good quality ovenized crystal oscillator to cover periods of signal dropout (though this is less of a problem at 60 kHz than at high frequencies), so add another $800. Kinemetrics (among others) also makes a GOES receiver for even better accuracy and reliability, but at correspondingly higher prices.

If these are outside your budget but you don't mind doing some soldering and you are located close to the east coast you might look at the CHU time signal instead, at 3330, 7335 and 14670 kHz. You can build a quite decent receiver for the timecode with a consumer HF radio and a well-filtered 300 bps modem (the latter you might have to construct). Carefully done, this can give you the precision of the Traconex receiver during periods when the signal is recievable, though to match the reliability of the Traconex you'd need a radio receiver which allows computer control of the frequency (this puts the price up) and this will still only give you several-millisecond precision. Homebrewing a WWVB receiver from scratch would actually be a fair bit easier and cheaper than WWV/CHU if you are into LF radio receiver design, but would still be in the category of major project.

I think the upshot is that there is currently no cheap way to buy a time code receiver which is accurate to 300 us, and no easy way to build one. Milliseconds are cheaper/easier to come by, but still pricey. The Heathkit radio is cheap but I wouldn't trust it for more than setting my watch and even then I'd want a second opinion.

If you've got a few years to wait, however, I'd watch the price of GPS receivers. Even the degraded version of GPS that non-military people get to use should be able to provide microsecond timing (it has to to provide the positional precision it does), and now that there actually exist some GPS satellites I wouldn't be surprised to see the price of these receivers eventually fall to not much more than that of a good quality scanner as volumes increase. This is definitely a future item, though, as the price of current GPS receivers is absolutely frightening.

Dennis Ferguson

From -6064062303411385169
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1930d23c86e8c45b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-19 12:21:42 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!vsi1!zorch!ditka!zinn!ubbs-nh!noel
From: noel@ubbs-nh.MV.COM (N. Del More)
Newsgroups: rec.ham-radio
Subject: Kenwood RC-20/IF-20 info sought
Message-ID: <4386@ubbs-nh.MV.COM>
Date: 19 May 90 19:21:42 GMT
Organization: Business Integration & Office Systems - Nashua, NH
Lines: 10
Posted: Sat May 19 20:21:42 1990

I'd like to know if the Kenwood RC-20/IC-20 remote head/interface will
permit crossband repeat when used with the tm-231, 331, 431 ect.

Thanks!
Noel
KC1RB
--
```
Noel B. Del More             |                             decvax!ubbs-nh!noel
17 Meredith Drive            |                             noel@ubbs-nh.mv.com
Nashua, New Hampshire  03063 | It's unix me son!  `taint spozed tah make cents
```

From -2852185163378217434
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2ca2036cb7d6091,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-19 12:26:07 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!usc!apple!vsi1!zorch!ditka!zinn!ubbs-nh!noel
From: noel@ubbs-nh.MV.COM (N. Del More)
Newsgroups: rec.ham-radio
Subject: Extended UHF Recieve Mod(s) For Yaesu FT-470
Message-ID: <4387@ubbs-nh.MV.COM>
Date: 19 May 90 19:26:07 GMT
Organization: Business Integration & Office Systems - Nashua, NH
Lines: 11
Posted: Sat May 19 20:26:07 1990

I, and a few other fellow 470 owners are interested in determining
whether or not the FT-470 can be modified for extended recieve on the UHF
band.

Thanks,

```
Noel
KC1RB
--
Noel B. Del More             |                               decvax!ubbs-nh!noel
17 Meredith Drive            |                               noel@ubbs-nh.mv.com
Nashua, New Hampshire  03063 | It's unix me son!  `taint spozed tah make cents
```

From -3795980866208683259
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f45fcc27e31b4ab,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-19 13:37:13 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!van-bc!ubc-cs!alberta!dvinci!weyr!katz
From: katz@weyr.FIDONET.ORG (SYLVAN KATZ)
Newsgroups: rec.ham-radio
Subject: FOC
Message-ID: <674.26558A92@weyr.FIDONET.ORG>
Date: 19 May 90 16:09:50 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 10
Posted: Sat May 19 17:09:50 1990

I am curious about the origin of the FOC CW operators and how one
goes about securing sponsorship to become a FOC.
What are the criteria for selection of FOC members?

```
--
Sylvan Katz             Ham: VE5ZX
203 Ball Crescent       UUCP: alberta!dvinci!weyr!katz
Saskatoon, Sask         Internet: katz@weyr.FIDONET.ORG
Canada S7K 6E1          Ham bands: below 14.025/21.025/28.025 @ 0100-0300Z
(306) 934-3168
```

From 1829104162157411082
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9afe56830ba6e360,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-19 13:37:24 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!van-bc!ubc-cs!alberta!dvinci!weyr!katz
From: katz@weyr.FIDONET.ORG (SYLVAN KATZ)
Newsgroups: rec.ham-radio
Subject: Your E-mail Address
Message-ID: <675.26558A96@weyr.FIDONET.ORG>
Date: 19 May 90 16:22:38 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 9
Posted: Sat May 19 17:22:38 1990

I have been trying to send mail to John WB2EKK at the E-mail address that he sent

me a couple of weeks ago. It was PESCATORE_JT%ncsd@gte.com
But for some reason the mail will not go through. Help Please!

--
Sylvan Katz   Ham: VE5ZX
203 Ball Crescent   UUCP: alberta!dvinci!weyr!katz
Saskatoon, Sask   Internet: katz@weyr.FIDONET.ORG
Canada S7K 6E1   Ham bands: below 14.025/21.025/28.025 @ 0100-0300Z
(306) 934-3168

From 7788695702597686772
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,932aae2cd5fd084c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-19 17:14:15 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: 60Khz time standard.
Message-ID: <30500543@ux1.cso.uiuc.edu>
Date: 19 May 90 21:45:00 GMT
References: <188@suprtek>
Lines: 12
Nf-ID: #R:suprtek:188:ux1.cso.uiuc.edu:30500543:000:699
Nf-From: ux1.cso.uiuc.edu!phil   May 19 16:45:00 1990
Posted: Sat May 19 22:45:00 1990

At 60 khz, the WWVB carrier cycles every 16.67 usec. The best resolution
you can get would be at least 1/4 of that and possibly even better. The
hitch is knowing the propogation path delay between you and the WWVB
transmitter site. While the distance can be calculated very accurately,
I'm not so sure there are no propogation effects that need to be accounted
for. But the WWVB signal does not have the regularly changing effects
you would see at HF frequencies. Also, 60 khz is easier to digitize and
do some slick stuff with than 5 Mhz.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -5732787379890806235
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,19a31fc67973e1a4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-19 17:14:16 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: ICOM R1 Rumors
Message-ID: <30500544@ux1.cso.uiuc.edu>
Date: 19 May 90 21:51:00 GMT

References: <112@<1990May9>
Lines: 6
Nf-ID: #R:<1990May9:112:ux1.cso.uiuc.edu:30500544:000:250
Nf-From: ux1.cso.uiuc.edu!phil   May 19 16:51:00 1990
Posted: Sat May 19 22:51:00 1990

We will need to simply compare features of an R1 purchased in Japan, Europe, and North America.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 3052655459421634929
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b3773e8fca748f6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,2b3773e8fca748f6,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-19 17:14:40 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!apple!portal!cup.portal.com!ckp
From: ckp@cup.portal.com (Christine K Paustian)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Numbers Stations - New Newsletter
Message-ID: <30051@cup.portal.com>
Date: 19 May 90 20:38:24 GMT
Distribution: usa,world
Organization: The Portal System (TM)
Lines: 38
Xref: gmdzi rec.ham-radio:11582 rec.radio.shortwave:1266
Posted: Sat May 19 21:38:24 1990

Given the on-going interest in this newsgroup about Numbers stations and related shortwave mysteries, I am posting the following announcement of publication.

Announcing THE NUMBERS FACTSHEET, a quarterly publication compiled and edited by the acknowledged authority on Spy Numbers Stations, Havana Moon. Nobody knows Numbers like HM - and nobody does Numbers like HM.

This hard hitting newsletter covers Numbers like no other publication out there and includes the following:

- Unusual Intercepts
- Little Known Facts
- Book Reviews
- Articles by Numbers Experts
- An Intercept Database Sorted by Time and Frequency
- Commentary by Havana Moon

THE NUMBERS FACTSHEET is available from MoonBeam Press, PO Box 149, Briarcliff Manor, NY 10510 at an annual subscription price of $16.00

domestic, $25.00 international air mail.

A sample copy is available for $1.00 to cover the cost of postage and handling.

```
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%   Christine K. Paustian         %   ckp@cup.portal.com             %
%   Los Numeros On-Line          %%%  sun!portal!cup.portal.com!ckp  %
%   PO Box 149                   %%%  1:272/39  (FidoNet)            %
%   Briarcliff Manor, NY 10510    %   C.PAUSTIAN (GEnie)             %
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

```
From 1081753367790413450
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8efd48b33774023
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-19 21:40:54 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Automated observatory, was Re: 60Kh
Message-ID: <30500545@ux1.cso.uiuc.edu>
Date: 19 May 90 21:52:00 GMT
References: <981@ringwood.Morgan.COM>
Lines: 6
Nf-ID: #R:ringwood.Morgan.COM:981:ux1.cso.uiuc.edu:30500545:000:262
Nf-From: ux1.cso.uiuc.edu!phil    May 19 16:52:00 1990
Posted: Sat May 19 22:52:00 1990
```

Now what is the format of WWVB the 60 khz VLF signal?

Now what is the format of WWVB the 60 khz VLF signal?

```
--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.
```

```
From -1857027048918041267
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8efd48b33774023
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-19 22:04:41 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!
```

dennis
From: dennis@gpu.utcs.utoronto.ca (Dennis Ferguson)
Newsgroups: rec.ham-radio
Subject: Re: Automated observatory, was Re: 60Kh
Message-ID: <1990May20.003019.8670@gpu.utcs.utoronto.ca>
Date: 20 May 90 00:30:19 GMT
References: <981@ringwood.Morgan.COM> <30500545@ux1.cso.uiuc.edu>
Organization: CA*Net Support
Lines: 15
Posted: Sun May 20 01:30:19 1990

In article <30500545@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>Now what is the format of WWVB the 60 khz VLF signal?

The carrier is dropped in power by 10 db at the beginning of every second, and stays down for 200, 500 or 800 ms depending on whether the bit is a 0, a 1 or a marker, respectively. A marker is sent every tenth second, with a pair of them at seconds 59 and 0 of the minute. The other bits encode the time, date and some other junk, in BCD.

A receiver which does a good job of decoding this can be a fairly simple thing. Phase lock to the 60 kHz carrier and use the output of the PLL as a detector for the amplitude changes. This gives you both the time code and a nice, accurate frequency source.

Dennis Ferguson

From -4361859574293352552
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eeeba3c582b96a88
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-19 22:53:30 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!mvac23!thomas
From: thomas@mvac23.UUCP (Thomas Lapp)
Newsgroups: rec.ham-radio
Subject: Re: Modem to Packet
Message-ID: <235.UUL1.3#5131@mvac23.UUCP>
Date: 20 May 90 01:27:41 GMT
References: <1820962@MTS.RPI.EDU>
Sender: usenet@udel.EDU
Organization: MultiVac23, Newark, DE, U.S.A.
Lines: 25
Posted: Sun May 20 02:27:41 1990

Since I started this thread, let me ask another question about packet systems.

As I understand it, the packet network exists because when a packet is broadcast, any other node which receives that packet and finds that it is not addressed to them, rebroadcasts that packet. (Digipeater?)

If this is so, than it seems to me that unless the operator of each repeater is verifying each packet sent out over his transmitter, than he is in essence doing just what some people were commenting on: the ability to resend mail addressed to a packet site which originates on a land-line based network (ie. uucp or internet).

By the way, aren't there restrictions on the types of things which can be posted on some machines in the internet? Like advertisements?
- tom

--
internet   : mvac23!thomas@udel.edu or thomas%mvac23@udel.edu
uucp   : {ucbvax,mcvax,psuvax1,uunet}!udel!mvac23!thomas
Europe Bitnet: THOMAS1@GRATHUN1   Location: Newark, DE, USA
Quote   : The only way to win thermonuclear war is not to play.

--
The UUCP Mailer

From -6730463839822636641
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,932aae2cd5fd084c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f74ae,932aae2cd5fd084c
X-Google-Attributes: gidf74ae,public
X-Google-Thread: 105d97,932aae2cd5fd084c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-05-19 22:57:19 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!atha!lyndon
From: lyndon@cs.AthabascaU.CA (Lyndon Nerenberg)
Newsgroups: rec.ham-radio,sci.astro,sci.electronics
Subject: Re: 60Khz time standard.
Summary: The *real* facts
Keywords: 60Khz NIST
Message-ID: <1861@aurora.cs.athabascau.ca>
Date: 20 May 90 02:40:24 GMT
References: <188@suprtek> <998@gold.GVG.TEK.COM>
Organization: Athabasca University
Lines: 118
Xref: gmdzi rec.ham-radio:11587 sci.astro:4194 sci.electronics:6773
Posted: Sun May 20 03:40:24 1990

In article <998@gold.GVG.TEK.COM> grege@gold.GVG.TEK.COM (Greg Ebert) writes:

> NBS transmits 5, 10, and 15 (or is it 10, 15, 20 ?) Mhz signals which
> are reputed to be THE time standard. Broadcasts are from Boulder, CO,
> (WWVB), Hawaii (WWVH), and Idunno, (WWVL).

Actually, NIST transmits as follows:

WWV	(Fort Collins, CO)	5000, 10000, 15000 (*)
WWVH	(Kaui, HI)	5000, 10000, 15000 (*)
WWVB	(Fort Collins, CO)	60

Frequencies are in KHz. The entries flagged with a (*) may also transmit on any or all of 2500 and 20000 KHz - it's been a while since I checked :-) NIST used to operate a station on 20 KHz (WWVL). It was shut down a number of years ago. You can also get the time broadcasts over the phone. No, I don't have the number.

> They have an amplitude-
> modulated tone (1Khz I think) and maybe some other stuff. Heathkit
> (I'm not advertising for them) sells a "most accurate clock" kit which
> will spit-out the time on a serial port for your computer's enjoyment.

There is quite a bit of "other stuff" encoded in the transmissions. A call to NIST will scare up various bits of documentation on the formats used.

There are quite a few LF time stations in operation. Following is a repeat of a posting documenting some of them.

```
>From: rfc@briar.philips.com (Robert Casey;6282;3.57;$0201)
Newsgroups: rec.ham-radio
Subject: VLF time and frequency radio stations list
Date: 27 Nov 89 21:07:09 GMT
Original-From: ka2raf@nn2z.ampr.org (Chris Crosby)
```

```
WORLD STANDARD TIME and FREQUENCY STATIONS (sorted by freq)
-------------------------------------------------------------------------

    Station                     | Power   | Std Freq      |Accr'cy|DUT1
--------------------------------|---------|---------------|-------|--------
Call Sign|Approximate|Latitude |Carrier  |Carrier |Mod  |Parts  |
         |Location   |Longitude|Power    |(KHz)   |(Hz) |     9 |
         |           |         | (kw)    |        |     |in 10  |
 --------|-----------|---------|---------|--------|-----|-------|--------
  GBR(1) |Rugy,      |52 22'N  | 750     | 15.95  | 1(9)|+/-0.02|CCIR code by
  (31)   |UK         |01 11'W  | 60(2)   | 16.00  | (9) |       |dble pulse
---------|-----------|---------|---------|--------|-----|-------|---------
  NDT(1) |Yosami,Jap |34 58'N  | 40(2)   | 17.4   | nil |+/-0.1 |
  (32)               |137 01'E
---------|-----------|---------|---------|--------|-----|-------|---------
  NAA(1) |Cutler,ME  |44 38'N  | 2000    | 17.8   | nil |+/-0.1 |
(22)(32) |USA        |67 17'W  | 1000(2)
---------|-----------|---------|---------|--------|-----|-------|---------
 NLK(1)  |Jim Creek, |48 12'N  | 1200    | 18.6   | nil |+/-0.1 |
  (32)   |Wash.,USA  |121 55'W | 130(2)
---------|-----------|---------|---------|--------|-----|-------|---------
  UQC3   |Khabarovsk,|48 30'N  | 300     | 26.6   |1,10,|
         |USSR       |134 51'E |         | 25.1   |40   |       |
                               | 25.5   |     |       |
                            | 23.0   |(42) |       |
                            | 20.5   |     |       |
---------|-----------|---------|---------|--------|-----|-------|---------
UTR3     |Gorky,     |56 11'N  | 300     | 25.0   |1,10,|       |
         |USSR       |43 58'E  |         | 25.1   |40   |       |
```

				25.5 23.0 20.5	(42)		
NSS(1) (32)	Annapolis, MD,USA	38 59'N 76 27'W	1000 400(2)	21.4	nil	+/-0.1	
NWC(1) (22)(32)	North West Cape,Astrla	21 49'S 114 10'E	1000(2)	22.3	nil	+/-0.1	
NPM(1) (22)(32)	Lualualei HI,USA	21 25'N 158 09'W	1000 630(2)	23.4	nil	+/-0.1	
JJF-2(1) JG2AS	Sanwa, Sashima, Ibaraki,Jap	36 11'N 139 51'E	10	40	1 (21)	+/-0.1	
OMA	Podebrady, CZECH.,SR	50 08'N 15 08'E	5	50	1 (90	+/-10	No DUT1 trans
RTZ(1)	Irkutsk USSR	52 18'N 104 18'E	10	50	1; 10	+/-0.1	CCIR Code by dble pls(41)
MSF	Rugby UK	52 22'N 01 11'W	25(2)	60	1 (12)	+/-0.02	CCIR Code dble pulse
WWVB(1)	Ft Collins CO,USA	40 40'N 105 03'W	13(2)	60	1 (3)	+/-0.1	No CCIR code
RBU(1)	Moskva, USSR	55 19'N 38 41'E	10	66 2/3	1; 10	+/-0.1	CCIR Code by pulse(41)
HBG(39)	Prangins Switz	46 24'N 06 15'E	20	75	1 (28)	+/-0.2	No DUT1 trans
DCF77(1)	Mainflingen FR Germany	50 01'N 09 00'E	20	77.5	1	+/- 0.005	No DUT1 trans
?	Donebach, FR Germany	49 34'N 09 11'E	250	151	nil	+/-0.5	
?	Allouis, France	47 10'N 02 12'E	1000 to 2000	163 84(33)	nil	+/-0.1	
?	Droitwich, UK	52 16'N 02 09'W	400	200	nil	+/-0.2	
RW-166	Irkutsk, USSR	52 18'N 104 18'E	40	200		+/-0.1	

--
Lyndon Nerenberg VE6BBM / Computing Services / Athabasca University

```
    {alberta,cbmvax,mips}!atha!lyndon || lyndon@cs.athabascau.ca


From -3784795901961327994
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f45fcc27e31b4ab
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-19 22:59:03 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: FOC
Message-ID: <13822@ucsd.Edu>
Date: 20 May 90 03:55:33 GMT
References: <674.26558A92@weyr.FIDONET.ORG>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 8
Posted: Sun May 20 04:55:33 1990

In article <674.26558A92@weyr.FIDONET.ORG> katz@weyr.FIDONET.ORG (SYLVAN KATZ)
writes:
>I am curious about the origin of the FOC CW operators and how one

Friends of Carlotta?  Fogies on Chariots?  Fondlers of Children?
Followers of Christ?  Fatsos on Choppers?  Fresh outta Cream?

Now you've got ME curious!
     - Brian


From 7247189727085113954
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a56a1b7fdee39116
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-19 23:03:27 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-
state.edu!usc!apple!agate!ucbvax!hplabs!hpcc01!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Re: Need Schematic for DTMF Decoder
Message-ID: <24300007@col.hp.com>
Date: 20 May 90 00:03:30 GMT
References: <3175@ultb.isc.rit.edu>
Organization: HP Colorado Springs Division
Lines: 13
Posted: Sun May 20 01:03:30 1990

>
>Why make one?  There is a DTMF decoder chip, SSI202, that does it all for
>you.  All this in a 18 pin package.  You supply the audio in and it produces
>a BCD output on 4 pins plus some other control lines.
>
>There is a construction article in one of the old QST mags I have that
```

```
>has most of what you want. I don't have the month/year of the issue but
>can look for it if you are interested.
>----------

 The article appeared in QST Feb 1988.

 (I just happened to look it up the other day.)


From -4523918856251110249
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d01003e8ec7357f0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-20 05:52:24 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!SCRVMSYS.BITNET!702WFG
From: 702WFG@SCRVMSYS.BITNET (bill gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: Dongles!!
Message-ID: <9005200703.AA12340@ucbvax.Berkeley.EDU>
Date: 19 May 90 15:37:30 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18
Posted: Sat May 19 16:37:30 1990

Dongle, now there's an interesting term.  Banyan uses them on their servers
and just called them 'keys'.

I can't speak for the ones need on the Amiga but I would imagine the ones
used by Banyan were a little more complex than just jumpers because they
hook up to the printer port (paralel) and don't interfere with the normal
operation of the printer.  I had always assumed they had enough smarts to
return an answer when queried about their status.  Then all the software
has to do is read/write the printer port.

Anybody got more info??  Anybody from Banyan out there??

Inquiring minds want to know!!!

bill   KB3YV

                                          bill gunshannon
                                       702WFG@SCRVMSYS.BITNET


From 8895407022692073657
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c3dffd08c95c593,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-20 05:53:15 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!OUACCVMB.BITNET!
TCOMGRD1
From: TCOMGRD1@OUACCVMB.BITNET
```

Newsgroups: rec.ham-radio
Subject: Dongle's
Message-ID: <9005200703.AA12351@ucbvax.Berkeley.EDU>
Date: 19 May 90 18:48:56 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Sat May 19 19:48:56 1990

Date: 19 May 1990, 14:46:13 EDT
From: TCOMGRD1 at OUACCVMB
To: INFO-HAMS@WSMR-SIMTEL20.ARMY.MIL at MIL

Ok... now I have a few questions:

1) What the heck IS a dongle?? I'm and Apple person myself, and at first though
t it was a joke... but apparantly not.

2) Why did they give it such a silly name?

pete simpson
Bitnet: tcomgrd1@ouaccvmb.bitnet
aldstf51@ouaccvmb.bitnet
Internet: psimpson@oucsace.cs.ohiou.edu

From 5919699694316720775
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,39727a76433ed901,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-20 09:45:24 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!aramis.rutgers.edu!
topaz.rutgers.edu!gaddam
From: gaddam@topaz.rutgers.edu (Surekha Gaddam)
Newsgroups: rec.ham-radio
Subject: Antena question
Message-ID: <May.20.12.34.51.1990.6067@topaz.rutgers.edu>
Date: 20 May 90 16:34:57 GMT
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 13
Posted: Sun May 20 17:34:57 1990

I would like to know is there any harm in connecting an external wire
antena (to be used with a SW radio) to a TV antena which is on the top
of our apartment complex. By doing so it improved the signal strength
to some extent but it sounds like either the circuitary is generating
static or the antena is overloading. However if I connect the same antena
to an adjacent(to TV antena) chimney, the overloading/static disappears.

* I am using SONY ICF 2010

From 8417741573198393325
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3ed58249d2ecc3f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-20 13:36:27 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!husc6!m2c!umvlsi!umaecs!lkay
From: lkay@ecs.umass.edu (Leonard Kay, KB2R)
Newsgroups: rec.ham-radio
Subject: RTTY firmware help, please?
Message-ID: <9870.26569ac4@ecs.umass.edu>
Date: 20 May 90 13:25:23 GMT
Lines: 21
Posted: Sun May 20 14:25:23 1990

At a recent hamfest, I acquired for a *very* reasonable sum a simple RTTY setup consisting of AEA CP-100, an MFJ crosshair tuning aid, monitor, and (here's the laugh(?)) a Model 2 TRS Coco, complete with ROM software cartridge. It serves me just fine, *except* that the ROM cartridge is sorely lacking in features; I'd like to tinker with the system and do better.

My question for the net is: (1) Does anyone have or can tell me where to get an assembly/tech manual for the Coco 2 so I can write my own demod code and chuck the ROM? (2) Does anyone know of a *good* ROM cartridge that existed for the Coco 2 for RTTY? (I don't care if it doesn't have AMTOR) Or even a good piece of software?

Any answer is helpful. I just want to tinker and have maximum fun on RTTY for my small investment.

Tnx,
Len

```
-------------------------------------------------------------------------
Leonard Kay, KB2R  UMass/Amherst      |  "It's always darkest just
(413)545-4762      lkay@ecs.umass.edu |    before it's totally black"
-------------------------------------------------------------------------
```

From -5289678874839644528
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,932aae2cd5fd084c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-20 14:24:22 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!rutgers!bellcore!
ka9q.bellcore.com!karn
From: karn@ka9q.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Re: 60Khz time standard.
Message-ID: <23442@bellcore.bellcore.com>
Date: 20 May 90 21:04:36 GMT

References: <188@suprtek> <30500543@ux1.cso.uiuc.edu>
Sender: news@bellcore.bellcore.com
Reply-To: karn@ka9q.bellcore.com (Phil Karn)
Organization: Secular Humanists for No-Code
Lines: 19
Posted: Sun May 20 22:04:36 1990

A factor that must be considered when using accurate time sources for telescope pointing is the slightly irregular rotation rate of the earth due to seasonal movements of water and the atmosphere. (These movements cause small changes in the earth's moment of intertia. Since angular momentum must be conserved, the earth's rotation rate must change to compensate.)

UTC is based on atomic clocks that are much more stable than the earth's rotation, so much more so that UTC has to be adjusted occasionally to keep it within a second of "earth time". This is the reason for the "leap seconds" that you hear so much about at the end of most years. The difference between UTC and UT1 (or "earth time") is encoded in a series of double ticks at the beginning of each minute on both WWV and CHU. These codes only have a resolution of 100 ms, so even if you knew UTC precisely you could point your telescope to a given point on the celestial sphere to a peak-to-peak error of 1.5 arc-seconds along the right ascension axis. Given that this is about the resolution of the best ground-based telescopes, I wouldn't worry about this level of error.

Phil

From 1187175968541604889
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,932aae2cd5fd084c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,932aae2cd5fd084c
X-Google-Attributes: gid105d97,public
X-Google-Thread: f74ae,932aae2cd5fd084c
X-Google-Attributes: gidf74ae,public
X-Google-ArrivalTime: 1990-05-20 20:05:09 PST
Path: gmdzi!unido!mcsun!uunet!samsung!munnari.oz.au!csc!kjm100
From: kjm100@csc.anu.oz
Newsgroups: rec.ham-radio,sci.astro,sci.electronics
Subject: "Automatic" observatories and time standards (was 60 Khz time standard)
Message-ID: <2104.2657ba68@csc.anu.oz>
Date: 21 May 90 09:52:40 GMT
References: <188@suprtek> <998@gold.GVG.TEK.COM>
<1990May19.185105.28390@gpu.utcs.utoronto.ca>
Organization: Computer Services, Australian National University
Lines: 64
Xref: gmdzi rec.ham-radio:11596 sci.astro:4200 sci.electronics:6778
Posted: Mon May 21 10:52:40 1990

In article <1990May19.185105.28390@gpu.utcs.utoronto.ca>,
dennis@gpu.utcs.utoronto.ca (Dennis Ferguson) writes:
> In article <998@gold.GVG.TEK.COM> grege@gold.GVG.TEK.COM (Greg Ebert) writes:

>>In article <188@suprtek> jc@suprtek (John Cincotta 415 790 9382) writes:
>>>
>>> Hi. I am a member of Group 70 which is building a large amateur
>>>astronomical observatory. We eventually intend to have it completely
>>>automated (remote controlled ?) and need a very accurate clock for the
>>>observatory.
>>>
>>   NBS transmits 5, 10, and 15 (or is it 10, 15, 20 ?) Mhz signals which
>>   are reputed to be THE time standard. Broadcasts are from Boulder, CO,
>>   (WWVB), Hawaii (WWVH), and Idunno, (WWVL). They have an amplitude-
>>   modulated tone (1Khz I think) and maybe some other stuff. Heathkit
>>   (I'm not advertising for them) sells a "most accurate clock" kit which
>>   will spit-out the time on a serial port for your computer's enjoyment.
>
> [deleted]
>
> While the WWV(H) time signals are certainly very accurate as transmitted,
> HF signals propagate by F-layer skip which means the transmission path
> length will vary somewhat unpredictably from day to night, summer to
> winter, and with changes in solar activity. The time you receive will
> thus jitter by something on the order of several milliseconds. Also,
> since HF propagation is fairly unreliable, you will need a reasonably
> stable oscillator backing the receiver for periods when the time signal
> is unreceivable.
>

A time standard for an automatic observatory must deal with radio propagation delays AND changes in the official definition of time itself (i.e. leap seconds). This unfortunately is not a joke...

I winter-overed at the Amundsen-Scott South Pole station during the 1982-83 season as a support scientist for various U.S. National Science Foudation research projects. My partner and I had to keep all the clocks of the instruments in the Skylab building accurate to within 10 ms. We would manually set the time standard by monitoring the time signal with an oscilloscope on the back end of our radio receiver.

The South Pole station was effectively cut off from the rest of humanity for about six weeks during the depths of the austral winter (June-July) when we could not receive any radio signals at all. After we rejoined the world and could once again receive radio signals, my partner and I decided to check the clock... We were shocked to find that all our clocks were precisely off by 1.000 +- 5 ms from UT! A leap second had occured and we had not been warned. Sigh...

So the upshot is that the definition of time itself can change and a truely automatic observatory must take this into account. A SEMI-automatic observatory would, of course, not have to worry about leap seconds.

Yours in the pursuit of accuracy and precision,

Ken Mighell

```
---------------------------------------+----------------------------------------
Kenneth John Mighell                   |
Mount Stromlo Observatory              |   INTERNET: MIGHELL@MSO.ANU.OZ.AU
Private Bag                            |
Post Office Weston Creek, ACT 2611     |  Telephone: +61-6-2490230 or 2490234
Canberra, AUSTRALIA                    |    Telefax: +61-6-2490233
---------------------------------------+----------------------------------------
```

Heisenberg might have been here...

From 186624205854236879
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c3dffd08c95c593
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-20 20:08:27 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: Dongle's
Summary: Dangle yer dongle
Message-ID: <146@bongo.UUCP>
Date: 21 May 90 03:08:27 GMT
References: <9005200703.AA12351@ucbvax.Berkeley.EDU>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 36
Posted: Mon May 21 04:08:27 1990

In article <9005200703.AA12351@ucbvax.Berkeley.EDU>, TCOMGRD1@OUACCVMB.BITNET writes:
>
> Ok... now I have a few questions:
>
> 1) What the heck IS a dongle?? I'm and Apple person myself, and at first though
> t it was a joke... but apparantly not.
>
> 2) Why did they give it such a silly name?
>

I went to a few dictionaries to check for a kosher definition and found nothing. It may be in the latest and greatest OED, but I don't have that one.

The first official reference I recall for the term dongle was used in reference to the Sinclair QL computer (What dat?).

By the time Sir Clive and chums had got all the circuitry together, it no longer fit in the spiffy case. So they had a little box hanging off the back with the extra parts in it. This was referred to in the press as the "dongle board".

The QL and its dongle board have disappeared into computer history, but apparently the term dongle lives on

I looked at the word "dong" to see if it was derived from that. I assume not, dong means to hit or strike in Aussie slang, a small aluminium coin in Vietnam and of course a penis as John Steinbeck noted in the Grapes of Wrath. I would say that dongle is just an amusing variation of dangle.

Maybe now the Apple people can work on a copywrited dongle icon (-:

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From 2873209779649205027
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,932aae2cd5fd084c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,932aae2cd5fd084c
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-05-20 20:58:11 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!dali!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!elroy.jpl.nasa.gov!ames!haven!sayshell.umd.edu!louie
From: louie@sayshell.umd.edu (Louis A. Mamakos)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: 60Khz time standard.
Message-ID: <1990May21.031114.1068@haven.umd.edu>
Date: 21 May 90 03:11:14 GMT
References: <188@suprtek> <30500543@ux1.cso.uiuc.edu> <23442@bellcore.bellcore.com>
Sender: usenet@haven.umd.edu (USENET News Posting)
Organization: The University of Maryland, College Park
Lines: 16
Xref: gmdzi rec.ham-radio:11597 sci.electronics:6779
Posted: Mon May 21 04:11:14 1990

In article <23442@bellcore.bellcore.com> karn@ka9q.bellcore.com (Phil Karn) writes:

> These codes only have a resolution of 100 ms, so even if you knew UTC precisely you could point your telescope to a given point on the celestial sphere to a peak-to-peak error of 1.5 arc-seconds along the right ascension axis.

If you want to synchronize your clocks to within 100ms or even 50ms, you can dispense with a WWV(B) radio clock, and just get an internet connection. You can easily synchronize your clocks to these accuracies using NTP (the Network Time Protocol) across the Internet. Have the network connection has other, obvious benefits as well...

See RFC-1129 for all of the gory details.

louie

From 403434616381786621
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d63e3023c5cb7240,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-21 00:15:23 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!ucbvax!ILJCT.BITNET!ARYEH
From: ARYEH@ILJCT.BITNET
Newsgroups: rec.ham-radio
Subject: 100 GHz and up
Message-ID: <9005210708.AA17201@ucbvax.Berkeley.EDU>
Date: 20 May 90 09:25:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Sun May 20 10:25:00 1990

From: ILJCT::ARYEH   17-MAY-1990 16:08:12.92
To: IN%"infohams@taunivm"
CC: ARYEH
Subj: 100 GHz and up

What is currently being done 100 GHz and up? Is there commercial communications gear in that range, and if so, does any show up on the surplus market? Does anyone on the net have experience in that area?

I posted this once before, but had some mail trouble and missed info-hams for a while. Please email, and I will summarize to the net.

--aryeh

Aryeh Weiss 4X/KA1PB aryeh@iljct.BITNET
Department of Electro-Optics
Jerusalem College of Technology

From 1793337315804113255
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f7742aabc27f8b94,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-21 00:15:34 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!OUACCVMB.BITNET!TCOMGRD1
From: TCOMGRD1@OUACCVMB.BITNET
Newsgroups: rec.ham-radio
Subject: TNC's / Packet Pirates
Message-ID: <9005210708.AA17246@ucbvax.Berkeley.EDU>
Date: 20 May 90 17:55:17 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25

Posted: Sun May 20 18:55:17 1990

Date: 20 May 1990, 13:44:41 EDT
From: TCOMGRD1 at OUACCVMB
To: INFO-HAMS@WSMR-SIMTEL20.ARMY.MIL at MIL

Well now, if packet radio does actually just "repeat" messages whithout checking authorization (if it is not destined for me send it on) would it not be possible for some non-licensed pirate to upload files and have them sent with no authorization??

Also.. I'm preparing to purchase a TNC myself, the computer I will be using is an Apple][c. Are there any programs to interpret WEFAX and such on the Apple? I know some exist for the Macintosh, and MANY more for IBM's, but I'm looking for Apple][series.

Also (again), What baud rate (Whats the diff between baud and bps [bits per second]?) should I get? I see ads that say "2400 baud with up to 1200bps". I'm confused. I use a 2400baud modem on my Apple already, so dont want to run packet slower than that unless it will cost an arm and a leg.

And last, but not least, Could my current modem be used for packet at all? I know packet is a "burst" transmission with temporary carriers, and modems are constant carriers.... but is it possible?? (trying to save $$)

```
Pete Simpson                     Bitnet: TCOMGRD1@OUACCVMB.BITNET
226 Tiffin Hall                          ALDSTF51@OUACCVMB.BITNET
Ohio Univ.                     Internet: psimpson@oucsace.cs.ohiou.edu
Athens   OH  45701
```

From -1500231018543552505
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,932aae2cd5fd084c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-21 00:15:48 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!UNB.CA!LANG
From: LANG@UNB.CA
Newsgroups: rec.ham-radio
Subject: Re: 60Khz time standard.
Message-ID: <ID8865.D900520.T094811.LANG@UNB.CA>
Date: 20 May 90 12:48:11 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 33
Posted: Sun May 20 13:48:11 1990

On Sat, 19 May 90 13:15:24 MDT
cs.utexas.edu!news-server.csri.toronto.edu!utgpu!dennis@tut.cis.ohio-state.edu (Dennis Ferguson) writes:

> If you've got a few years to wait, however, I'd watch the price of
> GPS receivers. Even the degraded version of GPS that non-military
> people get to use should be able to provide microsecond timing (it

> has to to provide the positional precision it does), and now that there actually exist some GPS satellites I wouldn't be surprised to see the price of these receivers eventually fall to not much more than that of a good quality scanner as volumes increase. This is definitely a future item, though, as the price of current GPS receivers is absolutely frightening.

1. GPS satellites have been up since 1978. The Block I's were and are o.k. for time transfer; actually they are better than the Block II's since Selective Availability is not currently implemented on the Block I's.

2. You can get a basic GPS receiver now for $3,000 (U.S.) and several companies have announced receivers for delivery this year with even lower prices. Perhaps not at hobby prices yet (but well within the gra$p of a well-healed yachtsman) but the time will come (within 5 years, probably) when you'll be able to get one for about $500.

```
===============================================================================
 Richard B. Langley                            BITnet: LANG@UNB.CA or SE@UNB.CA
 Geodetic Research Laboratory                  Phone:  (506) 453-5142
 Dept. of Surveying Engineering                Telex:  014-46202
 University of New Brunswick                   FAX:    (506) 453-4943
 Fredericton, N.B., Canada  E3B 5A3
===============================================================================
```

From -5112779914049560130
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64015797f5ee873f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-21 00:31:06 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9005210708.AA17238@ucbvax.Berkeley.EDU>
Date: 20 May 90 16:00:45 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 396
Posted: Sun May 20 17:00:45 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #699 -
Alouette 1
1 00424U 62B-A  1 90135.92586332  .00000237  00000-0  27437-3 0  3257
2 00424  80.4646 317.8855 0023872 357.9129   2.1911 13.67344214378282
ATS 3
1 03029U 67111  A 90135.70436545 -.00000075  00000-0  99999-4 0  3752
2 03029  13.1509  21.4856 0015120 212.1527 147.7519  1.00273606 82469
Cosmos 398
1 04966U 71 16  A 90137.88752248  .00091991  17152-4  51528-3 0  8705
2 04966  51.5020 314.8808 2295753  90.2006 295.9763 11.00901850588357
Starlette
1 07646U 75010  A 90136.83716742 -.00000099  00000-0 -30654-4 0   750
2 07646  49.8205 282.1899 0206159  87.7183 274.7244 13.82137218771448
LAGEOS
1 08820U 76039  A 90137.10350988  .00000002  00000-0  00000 0 0   775
2 08820 109.8544 344.4895 0044534 244.9764 114.6381  6.38664518 71957
GPS-0001
1 10684U 78020  A 90135.02785213  .00000008  00000-0  99999-4 0  4297
2 10684  63.7072  90.5779 0117004 199.3695 160.1636  2.00556962 75187
GPS-0002
1 10893U 78 47  A 90134.50365453 -.00000025  00000-0  00000 0 0  1848
2 10893  64.3935 331.4120 0171285  25.3619 335.5291  2.00542526 87994
SeaSat 1
1 10967U 78064  A 90135.99209436  .00000984  00000-0  38398-3 0  3335
2 10967 108.0137 253.7162 0002378 258.2124 101.8743 14.35639095621834
GPS-0003
1 11054U 78093  A 90135.79133641 -.00000024  00000-0  00000 0 0  2247
2 11054  63.9355 327.7179 0059547 117.7361 242.9100  2.00567296 85037
Nimbus 7
1 11080U 78098  A 90135.18859138  .00000105  00000-0  12445-3 0  6760
2 11080  99.1976  40.8596 0008718 166.2796 193.8597 13.83428874583473
GPS-0004
1 11141U 78112  A 90134.39377047  .00000008  00000-0  00000 0 0  3782
2 11141  63.6997  90.4808 0060528 316.2916  43.2022  2.00558581 83703
GPS-0005
1 11690U 80 11  A 90137.02792868  .00000009  00000-0  00000 0 0  9784
2 11690  64.1920  92.4833 0114903 203.9014 155.6432  2.00555600 89610
GPS-0006
1 11783U 80 32  A 90136.83736101 -.00000024  00000-0  00000 0 0  1405
2 11783  63.6897 327.2351 0150326  60.3469 301.1958  2.00557890 73697
GOES 5
1 12472U 81049  A 90136.76428174 -.00000224  00000-0  99999-4 0  9310
2 12472   3.2754  78.5220 0341937 225.3979 132.8109  1.00228605 31931
DE 1
1 12624U 81 70  A 90133.57773882  .00000337  00000-0  14927-2 0  4379
2 12624  89.0492 148.2345 6204235 293.7692  14.7049  3.51022766260900
SME
1 12887U 81100  A 90138.05154559  .00042560  00000-0  79518-3 0  6583
2 12887  97.6423 183.7132 0004141 137.3251 222.8395 15.48629451476605
Salyut 7
1 13138U 82 33  A 90137.74979663  .00047851  00000-0  54618-3 0  2583
2 13138  51.6012  98.1196 0002434  82.2018 277.9628 15.61713777460096
Cosmos 1383
```

```
1 13301U 82 66  A 90137.52673056  .00000100  00000-0  10560-3 0  5750
2 13301  82.9288 323.2490 0025906 245.8301 114.0142 13.67824728393483
LandSat 4
1 13367U 82 72  A 90137.77741664  .00000163  00000-0  41202-4 0  3415
2 13367  98.1681 200.9000 0002639 212.7179 147.3855 14.57134965416879
IRAS
1 13777U 83  4  A 90133.94434844 -.00000142  00000-0 -86111-4 0  7758
2 13777  99.0271 331.2727 0013664 120.6148 239.6382 13.98778414 42159
Cosmos 1447
1 13916U 83 21  A 90133.16923176  .00000143  00000-0  14090-3 0  7246
2 13916  82.9431  37.9446 0036415 237.2158 122.5488 13.74037587357863
TDRS 1
1 13969U 83 26  B 90137.00553923  .00000128  00000-0  99999-4 0  9893
2 13969   4.4063  66.0897 0001787 344.4157  15.3562  1.00260669 92805
GOES 6
1 14050U 83 41  A 90131.95923259  .00000121  00000-0  99999-4 0  1786
2 14050   2.1360  78.8231 0002684 254.0882 105.5215  1.00277112  9900
OSCAR 10
1 14129U 83 58  B 90132.33668422 -.00000029  00000-0  00000 0 0  5245
2 14129  25.9780 204.6832 5968372 142.2306 280.2867  2.05881701 23991
GPS-0008
1 14189U 83 72  A 90135.39389241  .00000007  00000-0  99999-4 0  7589
2 14189  63.3379  88.9181 0148259 219.1425 139.7575  2.00706927 50100
LandSat 5
1 14780U 84 21  A 90137.80456603  .00001127  00000-0  26002-3 0  1982
2 14780  98.2066 198.3248 0001423  40.4048 319.7263 14.57117566330299
UoSat 2
1 14781U 84 21  B 90136.67692711  .00001582  00000-0  30151-3 0  7351
2 14781  97.9532 190.2574 0012604 352.8905   7.2122 14.65315314331353
GPS-0009
1 15039U 84 59  A 90136.98144697  .00000006  00000-0  00000 0 0  9378
2 15039  63.1197  88.0180 0022760 243.5413 116.1915  2.00611834 43412
Cosmos 1574
1 15055U 84 62  A 90135.78481649  .00000115  00000-0  11219-3 0  8758
2 15055  82.9550  86.1953 0029276  53.8482 306.5387 13.73351537295629
GPS-0010
1 15271U 84 97  A 90134.39189235 -.00000025  00000-0  00000 0 0  8302
2 15271  63.2330 326.9092 0105329 326.7682  32.6014  2.00575074 40471
Cosmos 1602
1 15331U 84105  A 90135.71997154  .00003222  00000-0  44121-3 0  2911
2 15331  82.5385  31.0043 0025301  78.9727 281.4323 14.77998791303290
NOAA 9
1 15427U 84123  A 90138.09117387  .00000560  00000-0  32337-3 0  5813
2 15427  99.1671 137.2237 0016305  93.3333 266.9702 14.12563867279731
Cosmos 1686
1 16095U 85 86  A 90137.87781063  .00006691  00000-0  78919-4 0  6388
2 16095  51.6015  97.4761 0001150  89.8761 270.4818 15.61691273261214
GPS-0011
1 16129U 85 93  A 90135.07235926  .00000007  00000-0  00000 0 0  5325
2 16129  63.8640  89.0565 0121923 149.4056 211.2895  2.00510822 33697
Mir
1 16609U 86 17  A 90137.73860412  .00026855  00000-0  33576-3 0  6636
2 16609  51.6131 124.1568 0011085 301.4240  58.5646 15.59553661243343
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SPOT 1
1 16613U 86 19  A 90137.63389859  .00000498  00000-0  25147-3 0  9502
2 16613  98.7339 212.4670 0000132  23.1211 336.9988 14.20015483 59598
Cosmos 1766
1 16881U 86 55  A 90137.93856156  .00002965  00000-0  41103-3 0  9951
2 16881  82.5201  88.0285 0024331  88.6306 271.7704 14.77491308204681
EGP
1 16908U 86 61  A 90136.83742943  .00000012  00000-0  39252-3 0  2231
2 16908  50.0103 352.3714 0011605 113.8362 246.3777 12.44387250170951
NOAA 10
1 16969U 86 73  A 90134.25861603  .00000589  00000-0  27532-3 0  4295
2 16969  98.6039 162.9598 0014170  13.4663 346.6884 14.23593234189782
MOS-1
1 17527U 87 18  A 90137.65732224 -.00000026  00000-0 -61159-5 0  5462
2 17527  99.1098 210.5987 0000989 118.9672 241.1526 13.94874967165003
GOES 7
1 17561U 87 22  A 90136.64283460 -.00000066  00000-0  99999-4 0  5371
2 17561   0.0185 289.7270 0013510  55.2428  15.2452  1.00301306  5106
Kvant-1
1 17845U 87 30  A 90137.93079443  .00053425  00000-0  65860-3 0  1418
2 17845  51.6086 123.1862 0011118 308.8056  50.9492 15.59588910179421
DMSP B5D2-3
1 18123U 87 53  A 90137.84027474  .00000561  00000-0  31470-3 0  5877
2 18123  98.8207 328.8502 0015429 107.7237 252.5622 14.14020124150118
RS-10/11
1 18129U 87 54  A 90137.90441671  .00000369  00000-0  39482-3 0  1930
2 18129  82.9276 350.9038 0011345 196.2205 163.8574 13.72088384145293
Meteor 2-16
1 18312U 87 68  A 90137.01522077  .00000219  00000-0  18868-3 0  4258
2 18312  82.5532 315.0025 0013035 348.2335  11.8518 13.83643717138670
Meteor 2-17
1 18820U 88  5  A 90136.25018662  .00000198  00000-0  16801-3 0  2764
2 18820  82.5461  15.8491 0018104  56.6058 303.6829 13.84337533115760
DMSP B5D2-4
1 18822U 88  6  A 90137.86354860  .00000545  00000-0  26633-3 0  4872
2 18822  98.6535  17.5191 0007108   7.7795 352.3493 14.21424818118514
AO-13
1 19216U 88 51  B 90135.35859508  .00000197  00000-0  99999-4 0  1271
2 19216  57.0525 155.0769 6950293 227.1818  48.5912  2.09695352 14714
OKEAN 1
1 19274U 88 56  A 90137.91511268  .00002601  00000-0  36537-3 0  7920
2 19274  82.5175 186.6834 0021113 217.8262 142.1553 14.76919549100451
Meteor 3-2
1 19336U 88 64  A 90135.90042628  .00000391  00000-0  99999-3 0  4858
2 19336  82.5386 300.2730 0018059  36.5334 323.6920 13.16891154 86703
NOAA 11
1 19531U 88 89  A 90137.75947853  .00000840  00000-0  48291-3 0  2789
2 19531  98.9808  86.0377 0012418  15.2834 344.8722 14.11592059 84675
TDRS 2
1 19548U 88 91  B 90136.00000000  .00000115  00000-0  99999-4 0  1260
2 19548   0.0140  60.1175 0003167  13.4823 345.7660  1.00267085   103
Cosmos 2001
1 19796U 89 11  A 90137.28821799 -.00001066  00000-0  99999-4 0  4782
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2 19796  63.1920  96.7877 7101441 319.9316   5.0787  2.00567306  9183
GPS BII-01
1 19802U 89 13  A 90137.05503174  .00000016  00000-0  99999-4 0  1286
2 19802  55.0609 198.6467 0055947 164.5925 195.8384  2.00643822  9127
Akebono
1 19822U 89 16  A 90137.68135689  .00031859  00000-0  22955-2 0  6024
2 19822  75.1215 253.7006 4185310 241.2468  70.7401  7.08961520 31266
Meteor 2-18
1 19851U 89 18  A 90136.28567566  .00000243  00000-0  20864-3 0  2269
2 19851  82.5210 253.8688 0016075  93.2554 267.0444 13.83967826 61154
TDRS 3
1 19883U 89 21  B 90128.48589593 -.00000235  00000-0  99999-4 0  1273
2 19883   0.0099  76.3162 0000597 173.2228 110.4748  1.00269319  3492
GPS BII-02
1 20061U 89 44  A 90135.24962722 -.00000032  00000-0  00000 0 0  1331
2 20061  54.8022  17.1844 0084016 173.3576 186.7998  2.00487261  6833
Nadezhda 1
1 20103U 89 50  A 90135.90284800  .00000109  00000-0  10465-3 0  1257
2 20103  82.9563 308.7985 0038418 126.1756 234.2959 13.73587854 43285
GPS BII-03
1 20185U 89 64  A 90135.20864478  .00000016  00000-0  99999-4 0  1268
2 20185  54.9279 199.5760 0024523 156.3286 203.8620  2.00627610  5402
Activnyi
1 20261U 89 80  A 90137.70795509  .00001521  00000-0  47623-3 0  5022
2 20261  82.5942 247.9099 1258362  47.3516 322.6968 12.43689834 28808
Activnyi RB
1 20262U 89 80  C 90136.29305964  .00000701  00000-0  21568-3 0  2350
2 20262  82.5964 248.8460 1261795  50.6795 319.9482 12.43173530 28626
Magion 2
1 20281U 89 80  B 90137.68312931  .00001822  00000-0  56806-3 0  5022
2 20281  82.5931 247.8641 1258072  47.2947 322.7391 12.43929444 28800
GPS BII-04
1 20302U 89 85  A 90135.47393960 -.00000028  00000-0  99999-4 0  1280
2 20302  54.6500 318.4011 0032265 318.1583  41.5954  2.00376060  4213
Meteor 3-3
1 20305U 89 86  A 90135.37076290  .00000021  00000-0  42912-4 0  1260
2 20305  82.5491 241.1298 0017445  52.2776 307.9923 13.15856355 26630
COBE
1 20322U 89 89  A 90136.08860498  .00004252  00000-0  28046-2 0  1295
2 20322  99.0184 146.6303 0009812  98.1534 262.0741 14.02078677 24993
Kvant-2
1 20335U 89 93  A 90136.58519317  .00003317  00000-0  44104-4 0  2387
2 20335  51.6159 129.9548 0011779 301.3049  58.7736 15.59486459 26814
GPS BII-05
1 20361U 89 97  A 90134.23449072  .00000015  00000-0  99999-4 0   797
2 20361  54.9699 141.6148 0062040  50.1010 310.4793  2.00579149  3041
SPOT 2
1 20436U 90  5  A 90137.66925102  .00000438  00000-0  22338-3 0  2012
2 20436  98.7339 212.5551 0001326  91.6960 268.4333 14.20019778 16410
UO-14
1 20437U 90  5  B 90137.70993177  .00000459  00000-0  19875-3 0  1446
2 20437  98.6952 213.9045 0010321 244.6817 115.3306 14.28601795 16515
UO-15
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1 20438U 90  5  C 90136.25732382  .00001051  00000-0  43678-3 0   823
2 20438  98.6986 212.4449 0009256 243.1265 116.8985 14.28357248 16308
PACSAT
1 20439U 90  5  D 90136.16125611  .00000929  00000-0  38513-3 0   785
2 20439  98.7034 212.4355 0010532 246.5541 113.4540 14.28707615 16298
DO-17
1 20440U 90  5  E 90136.29839382  .00000479  00000-0  20627-3 0   808
2 20440  98.7031 212.5803 0010641 246.7308 113.2754 14.28749133 16319
WO-18
1 20441U 90  5  F 90138.11039346  .00000433  00000-0  18766-3 0   805
2 20441  98.7036 214.4021 0011372 240.2626 119.7427 14.28851339 16570
LO-19
1 20442U 90  5  G 90136.07420874  .00000422  00000-0  18344-3 0   797
2 20442  98.7049 212.3813 0011375 250.8254 109.1702 14.28917047 16284
GPS BII-06
1 20452U 90  8  A 90133.39933581  .00000001  00000-0  99999-4 0   741
2 20452  54.5888 257.3903 0030965  44.6887 315.5533  2.00876723  2149
MOS-1B
1 20478U 90 13  A 90137.68397268  .00000236  00000-0  20136-3 0  2565
2 20478  99.1892 208.0283 0001519 118.1407 242.0053 13.94829509 13888
FO-20
1 20480U 90 13  C 90136.04441588  .00000027  00000-0  10967-3 0   772
2 20480  99.0411 188.6183 0541794 121.3290 244.1992 12.83133338 12620
1990 013D
1 20491U          90126.58440591 0.00000094           22256-3 0   757
2 20491  99.0477 183.4396 0471396 128.6119 235.8183 13.02738023 10983
Soyuz TM-9
1 20494U 90 14  A 90136.71341649 -.00001760  00000-0 -18475-4 0  1376
2 20494  51.6117 129.3170 0011469 298.6013  61.8322 15.59485302 14756
LACE
1 20496U 90 15  A 90138.04759175  .00007028  00000-0  43438-3 0  1450
2 20496  43.0929 128.2771 0013788 170.0624 190.0585 15.10244426 13961
RME
1 20497U 90 15  B 90137.34647431  .00013516  00000-0  39044-3 0  1462
2 20497  43.1061 113.5118 0015235 149.8840 210.2896 15.35430983 14092
Nadezhda 2
1 20508U 90 17  A 90135.36817123  .00000116  00000-0  11329-3 0   764
2 20508  82.9553  84.1048 0046401  77.6229 283.0115 13.73206338 10504
OKEAN 2
1 20510U 90 18  A 90137.96977545  .00001963  00000-0  30122-3 0  1428
2 20510  82.5246 125.5511 0020524  18.0590 342.1317 14.73051055 11625
INTELSAT-6
1 20523U 90 21  A 90137.95510681  .00005289  00000-0  36658-3 0  1446
2 20523  28.3473 101.8875 0015458 215.1631 144.7858 15.03324764  9891
Cosmos 2060
1 20525U 90 22  A 90116.74325817  .00006881  00000-0  11809-3 0  1224
2 20525  65.0254 293.0192 0009915 265.8547  94.0928 15.51981409  6691
Cosmos 2061
1 20527U          90110.23391170 0.00000127           12989-3 0   209
2 20527  82.9406 188.7193 0030435 184.8026 175.2840 13.71244824  4285
1990 023B
1 20528U 90 23  B 90116.25209824  .00000318  00000-0  33441-3 0   711
2 20528  82.9402 184.2292 0025359 154.1527 206.0898 13.72643528  5101
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GPS BII-07
1 20533U 90 25  A 90134.00812371 -.00000032  00000-0  00000 0 0   466
2 20533  55.0667  17.3062 0033714  99.3306 261.0974  2.00595451   911
1990 025C
1 20535U 90 25  C 90119.93776890  .00236304  16509-4  17720-2 0   779
2 20535  37.5934 350.2506 5957213 233.0842  56.2815  4.22207149  1462
1990 026A
1 20536U 90 26  A 90122.10370766 -.00001185  00000-0  99999-4 0   780
2 20536  62.9350  19.4659 7361653 318.4665   4.7275  2.00601511   721
1990 026D
1 20539U 90 26  D 90123.19890815 -.00000836  00000-0  35903-4 0   467
2 20539  63.1476  18.9963 7337411 318.6473   4.7855  2.03011371   773
Offeq 2
1 20540U 90 27  A 90137.39434968  .00798310 -15169-4  20148-2 0  1089
2 20540 143.2051 336.3225 0736146  29.4148 334.8651 14.50942438  6262
1990 027B
1 20541U 90 27  B 90123.04805883  .00708832 -16106-4  16657-2 0   794
2 20541 143.1984 260.2975 0736069 284.9261  66.9139 14.51751386  4221
PegSat
1 20546U 90 28  A 90137.54360920  .00012494  00000-0  78585-3 0   914
2 20546  94.1219 198.8303 0153885  82.5020 279.3750 14.99836901  6249
1990 028B
1 20547U 90 28  B 90122.74447785  .00003392  00000-0  26009-3 0   760
2 20547  94.1448 191.0320 0130894 131.0001 230.2685 14.95392931  4025
Cosmos 2064
1 20549U          90116.01026782 0.00000057           43968-3 0   404
2 20549  73.9807 224.1524 0017296 242.0227 117.9069 12.47018719  2487
Cosmos 2065
1 20550U 90 29  B 90123.10692118 -.00000007  00000-0  00000 0 0   410
2 20550  73.9831 214.6497 0008708 267.9873  92.0182 12.48998567  3377
Cosmos 2066
1 20551U          90115.81425470 -.00000007                   0   403
2 20551  73.9816 223.8136 0049303  55.5001 305.0697 12.59478807  2484
Cosmos 2067
1 20552U          90116.00096998 -.00000007                   0   405
2 20552  73.9808 223.6499 0039668  63.6918 296.8202 12.57707620  2504
Cosmos 2068
1 20553U          90116.10683679 -.00000007                   0   405
2 20553  73.9825 223.5724 0030768  57.5033 302.8992 12.56043351  2514
Cosmos 2069
1 20554U          90116.05451226 -.00000006                   0   400
2 20554  73.9822 223.7680 0021679  55.3317 304.9776 12.54315162  2509
Cosmos 2070
1 20555U 90 29  G 90120.39446764 -.00000024  00000-0 -11083-3 0   414
2 20555  73.9810 218.0025 0013351  33.6226 326.5671 12.52583315  3042
Cosmos 2071
1 20556U 90 29  H 90124.02949648 -.00000007  00000-0  00000 0 0   411
2 20556  73.9817 213.3030 0002572  55.7863 304.3394 12.50727585  3491
1990 029J
1 20557U 90 29  J 90122.70329070  .00001049  00000-0  95280-2 0   453
2 20557  73.9852 216.8636 0148428 234.1468 124.5703 12.22657531  3258
AsiaSat-1
1 20558U 90 30  A 90118.10702338 -.00000306  00000-0  99999-4 0   434
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2 20558   0.1484 304.1688 0000300 214.8139 201.0181  1.00269829   235
1990 030B
1 20559U 90 30  B 90133.67279168  .00011178  00000-0  37832-2 0   528
2 20559  31.2905  11.0753 7319241 198.5461 105.1812  2.22962208   811
Cosmos 2072
1 20568U 90 33  A 90133.90710463  .00331011  56513-4  42018-3 0  1052
2 20568  64.7618  49.0650 0033867  86.1627 274.2603 16.05900007  4844
Palapa-B2R
1 20570U 90 34  A 90131.03760613 -.00000335  00000-0  99999-4 0   509
2 20570   0.0750   0.0447 0025782 135.2934 224.8777  1.00266113   236
1990 034B
1 20571U 90 34  B 90135.25637826  .00001978  00000-0  32479-3 0   554
2 20571  22.7504 176.4934 0628149 118.0040 248.5409 13.82067297  4332
1990 034C
1 20572U 90 34  C 90135.84989660  .00032231  00000-0  39037-2 0   491
2 20572  18.9297 347.9472 7375661 200.8035  96.7659  2.18270624   692
Cosmos 2074
1 20577U 90 36  A 90136.03907435  .00000094  00000-0  93615-4 0   474
2 20577  82.9451 138.3064 0025496 217.6457 142.2914 13.73710956  3463
1990 036B
1 20578U 90 36  B 90134.26871840  .00000108  00000-0  10241-3 0   512
2 20578  82.9430 139.5779 0018565 205.8241 154.1993 13.75018280  3222
HST
1 20580U 90 37  B 90137.90995889  .00004687  00000-0  53109-3 0   628
2 20580  28.4686  82.1705 0006642 177.4737 182.5868 14.84245000  3478
Cosmos 2075
1 20581U 90 38  A 90135.37823762  .00016139  00000-0  68871-3 0   738
2 20581  74.0250  14.7113 0022500 298.0063  61.8804 15.22661423  3024
1990 038B
1 20582U 90 38  B 90136.14661759  .00021971  00000-0  88807-3 0   675
2 20582  74.0299  13.0059 0030821 307.0111  52.8328 15.24226078  3148
Molniya1-77
1 20583U          90135.18523788 0.00000141           10000-3 0   695
2 20583  62.8075 185.3029 7358186 288.1991   9.5731  2.00619918   395
1990 039B
1 20584U 90 39  B 90135.58686035  .00866541  12393-4  10982-2 0   826
2 20584  62.7708 114.6381 0164621 124.8439 236.8433 15.85913382  3069
1990 039C
1 20585U 90 39  C 90135.33237153  .01300703  38200-4  10019-2 0   823
2 20585  62.8183 116.0511 0189691 118.0798 244.0847 15.86831687  3020
1990 39D
1 20586U 90 39  D 90135.46430597 -.00000271  00000-0  48387-3 0   173
2 20586  62.8268 185.2010 7399393 288.1595   9.3524  1.96439329   372
Cosmos 2076
1 20596U          90134.45435492 -.00001190           67011-3 0   276
2 20596  63.0381 337.3806 7379727 318.3610   4.4851  2.00623342   328
1990 40B
1 20597U 90 40  B 90135.39506393  .00990580  12579-4  13101-2 0   507
2 20597  62.8152 277.0227 0193123 119.6037 242.6341 15.79650548  2646
1990 40D
1 20599U 90 40  D 90134.75374249  .00000271  00000-0  96743-3 0   214
2 20599  63.1718 337.0577 7353985 318.4654   4.4827  2.03469176   335
Progress 42
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1 20602U 90 41  A 90137.93081927  .00035066  00000-0  43630-3 0   207
2 20602  51.6177 123.1895 0008876 297.4683  62.4149 15.59563384  1899
Cosmos 2077
1 20604U 90 42  A 90135.80369205  .00917814  40006-4  27463-3 0   235
2 20604  62.8375  63.3983 0123179  67.2500 294.2549 16.10187674  1298
1990 043A
1 20607U 90 43  A 90136.15763689  .00001054  00000-0  19518-3 0   117
2 20607  89.8924 195.1556 0110779 257.8904 100.9888 14.60750656   946
1990 043B
1 20608U 90 43  B 90136.29420226  .00002807  00000-0  52363-3 0   112
2 20608  89.8877 195.1502 0111215 257.5688 101.3060 14.60859704   960
1990 043C
1 20609U 90 43  C 90135.91544641  .00007415  00000-0  12112-2 0    59
2 20609  89.6543 194.9517 0060998 304.3215  55.2224 14.69558448   914
--
Dr TS Kelso                          Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil         Air Force Institute of Technology
```

```
From 4943287598140783752
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,51ac0dfab1eeaa46,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-21 00:31:10 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!TECNET1.JCTE.JCS.MIL!
mgb
From: mgb@TECNET1.JCTE.JCS.MIL
Newsgroups: rec.ham-radio
Subject: 9600 Baud modems.
Message-ID: <9005202015.AA04789@tecnet1.jcte.jcs.mil>
Date: 20 May 90 20:15:51 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Sun May 20 21:15:51 1990
```

Has anyone gotten a G3RUH 9600 baud modem working on any radio on 220 MHz? If so, could you please specify what radio, and any other personal experience that you may have had with these modems. I am especially interested in any reports of problems using them with PLL radios.

I am aware that they are a "plug and play" with the new Kantronics DVR units, but Kantronics doesn't make one for 220. In addition, the TAPR packet-RADIO seems to be pretty well bogged down, and their beta test models are now going to be strictly on 2 meters vice both 144, and 220 MHz.

Any "hints or kinks" would be MOST appreciated!

Thanks for your time.

Mark Bitterlich
wa3jpy@wb4uou
mgb@tecnet1.jcte.jcs.mil

From -5323420254268575295
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8efd48b33774023
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-21 01:46:55 PST
Path: gmdzi!unido!mcsun!uunet!samsung!know!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Automated observatory, was Re: 60Kh
Message-ID: <30500546@ux1.cso.uiuc.edu>
Date: 21 May 90 05:50:00 GMT
References: <981@ringwood.Morgan.COM>
Lines: 16
Nf-ID: #R:ringwood.Morgan.COM:981:ux1.cso.uiuc.edu:30500546:000:808
Nf-From: ux1.cso.uiuc.edu!phil   May 21 00:50:00 1990
Posted: Mon May 21 06:50:00 1990

> In article <30500545@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
> >Now what is the format of WWVB the 60 khz VLF signal?
>
> The carrier is dropped in power by 10 db at the beginning of every
> second, and stays down for 200, 500 or 800 ms depending on whether
> the bit is a 0, a 1 or a marker, respectively. A marker is sent every
> tenth second, with a pair of them at seconds 59 and 0 of the minute.
> The other bits encode the time, date and some other junk, in BCD.

And what how are these bits encoded? I means thinks like which seconds
of the minute cooresspond to which data item, etc? And what is this
"other junk"? Anything useful?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 1679339571619771329
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a5a10ac54fa04b82
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-21 01:50:28 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Radio in Saudi-Arabia
Summary: Saudi hamming
Keywords: Need info & experiences
Message-ID: <730@ssc.UUCP>
Date: 20 May 90 17:19:26 GMT
References: <8012@b11.ingr.com>
Organization: very little

Lines: 22
Posted: Sun May 20 18:19:26 1990

In article <8012@b11.ingr.com>, herbster@b11.ingr.com (Joe Herbster) writes:
>
>   I may be spending a long while in Saudi-Arabia real soon and would
>   appreciate any information and experiences from anyone regarding
>   the (slim) possibility of being able to operate while there.

As I understand it, you can't just apply for a reciprocal license while
there. The only people I have heard of who were able to operate there
buddied up with a member of the royal family and operated his station.

I would check with the ARRL at 203-666-1541.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -5747531855282252252
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3df55b7ba5f1c6b9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-21 05:05:31 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ntvax!iex!neptune!bert
From: bert@neptune.iex.com (Bert Campbell)
Newsgroups: rec.ham-radio
Subject: Re: Why they just don't make 'em like t
Message-ID: <1990May21.120531.471@iex.uucp>
Date: 21 May 90 12:05:31 GMT
References: <7648@lynx.UUCP> <30500541@ux1.cso.uiuc.edu>
Sender: news@iex.uucp (C News)
Organization: IEX Corporation, Dallas
Lines: 40
Posted: Mon May 21 13:05:31 1990

In article <30500541@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>
>But that does not yield a completely self contained portable scanner.
]
True, but I don't do much mobile work. I can re-program all of the
R7000's 99 memories from the computer, so when I want to run
computer-less, at least I can set it up easier. I think that
"relational" databases and the like on a mobile unit is a bit
much, I don't want all that stuff while I'm trying to drive :-)

However, the nice scan-delay features would be useful anywhere.

If you're talking portable, it's no problem to run from a laptop. He** many laptops are no bigger than an R7000!

>Can you have it stay on the frequency as long as there is a signal for
>up to 30 seconds, and have it stay after the signal is lost for up to
>2 seconds? Does the computer get to control things at this level? Does
>it get to know when a signal is present and gone instantly?

Yes on all counts. Set either timer to anything with about 10th second resolution. The R7000 makes signal-detection easy, the recorder-control relay is lightning fast, you do lose that function for recorder-control though. This is no problem for me, I use a VOX recorder for that.

Again, the computer has some drawbacks, but I still claim it will be a long time before manufacturers obviate the need. My program uses tons of memory, just the channels data takes 64K. Because when you start having hundreds of channels, you really need a text description to keep track of it all. Also, you'd like to be able to deal with your frequency lists with a text editor, import them from BBS files, print them, etc. That's going to take quite a bit of hardware and software to build into a scanner.

I've noticed lately a couple of products that will let you "download" your PRO 2004 from a computer, i.e. set the channels up. It's slow so this type of control isn't good enough for scanning, but its a start.

Bert.   N5KGT   ...uunet!iex!bert

From 1505423253678112701
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d63e3023c5cb7240
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-21 05:44:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: 100 GHz and up
Message-ID: <24804@usc.edu>
Date: 21 May 90 09:40:04 GMT
References: <9005210708.AA17201@ucbvax.Berkeley.EDU>
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 18
Posted: Mon May 21 10:40:04 1990

In article <9005210708.AA17201@ucbvax.Berkeley.EDU> ARYEH@ILJCT.BITNET writes:
>What is currently being done 100 GHz and up?

Only laser work, that I'm aware of.

>Is there commercial communications
>gear in that range, and if so, does any show up on the surplus market?

I doubt it. It's still largely undeveloped, and (totally) under-utilized.

Since 24, 47, and 76 GHz have all been done already, the next band to tackle (in the USA) would be 120 GHz. (At least I think that's where it is; I don't have any reference materials handy.) I was working on 76 GHz before I quit my job and came back to school, but I don't have any time for it anymore.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From -2866112122812436728
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8efd48b33774023
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-21 09:05:15 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!cs.utexas.edu!sdd.hp.com!uakari.primate.wisc.edu!aplcen!haven!decuac!shlump.nac.dec.com!koning.enet.dec.com!koning
From: koning@koning.enet.dec.com (Paul Koning)
Newsgroups: rec.ham-radio
Subject: Re: Automated observatory, was Re: 60Kh
Message-ID: <11775@shlump.nac.dec.com>
Date: 21 May 90 13:38:54 GMT
References: <1990May20.003019.8670@gpu.utcs.utoronto.ca> <981@ringwood.Morgan.COM> <30500545@ux1.cso.uiuc.edu>
Sender: newsdaemon@shlump.nac.dec.com
Reply-To: koning@koning.enet.dec.com (Paul Koning)
Organization: Digital Equipment Corporation
Lines: 11
Posted: Mon May 21 14:38:54 1990

Re format of WWVB transmission: you can find it in a lot of detail in "Reference data for radio engineers" which a good library would have. I would assume that a letter to WWVB asking for information would also work.

As for phase locking to the carrier, be aware of the WWVB ident! The way it identifies (if memory serves) is that the carrier phase shifts by 45 degrees at n:05 and back at n:10 every hour. If you weren't expecting that, you might see some strange effects...

paul, ni1d

From 5491843884077969613

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ea2c0ac44d956f7f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10f38d,9ff88fbaa5b5cb7a
X-Google-Attributes: gid10f38d,public
X-Google-Thread: 111a55,b78409962011a2a2
X-Google-Attributes: gid111a55,public
X-Google-ArrivalTime: 1990-05-21 09:39:52 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!execu!sequoia!attdso!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: AEA Loop Antenna
Summary: Isoloop
Message-ID: <734@ssc.UUCP>
Date: 21 May 90 05:45:55 GMT
References: <965@nyx.UUCP>
Organization: very little
Lines: 38
Posted: Mon May 21 06:45:55 1990

In article <965@nyx.UUCP>, whester@nyx.UUCP (William R. Hester) writes:
. Well, I hummed and hawed and was still
> "thinking" about possibly building one (if I could figure out a neat
> cheap way to build my own variable capacitor that could withstand the
> very high voltages developed across it)...when AEA advertised a small
> loop with remote tuning, etc.
>
> So far I have not seen any prices...is this a real product...available
> for shippment?...or is AEA just testing the waters to see if there is
> any interest before starting production?
>

Yes, the AEA Isoloop is a real product. I saw one up close at Dayton, and several hams in the Seattle area have been beta-testing them and reporting great results. Personally, I prefer a larger antenna, but it sure seems small and versatile, and the remote tuning makes it flexible and fairly efficient. My friend KA7MCX bought one, and has been working a lot of DX on 12 and 17 meters with it. I wish I could get him to replace the radials on his Butternut vertical and do some A/B testing just out of curiosity.

On the plane back from Dayton I ran into Mike Lamb, N7ML, AEA president. He showed me a log sheet of all the DX he has been working on his. Quite impressive. Of course you could work the same stuff with a dipole, but I think they have a hot product here. It does seem a little expensive to me though.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA

Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -5481855675518460326
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4e2da0e570fea074
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,430d2a9fd2b5a638
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-05-21 09:40:04 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!usc!cs.utexas.edu!execu!sequoia!attdso!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: ** Another Novice Question **
Summary: Novice, Tech, General....
Message-ID: <735@ssc.UUCP>
Date: 21 May 90 05:55:39 GMT
References: <860002@hpspcoi.HP.COM>
Organization: very little
Lines: 28
Posted: Mon May 21 06:55:39 1990

In article <860002@hpspcoi.HP.COM>, mlau@hpspcoi.HP.COM (Mel Lau) writes:
> If you take the NOVICE test and pass can you immediatley take
> the TECHNICIAN test, which I believe is just another written test ?
>
> If you pass that can you immediately take the GEN test ?
>

Yes, you can keep taking tests until you have passed them all. It has even been done in one sitting. My friend JA5GLY came to visit me in 1981, when they were still testing hams at the FCC. He went to the FCC office in Seattle and in one sitting passed all of the exams, Novice through Extra.

If you pass the Novice test, it makes sense to sit for the Tech exam too, even if you have not studied for it. You never know...you might get lucky!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW

USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -8166778036224898042
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2ab9fb97e7470e2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-16 07:26:14 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
SC.INTEL.COM!RHAREL%FAB8
From: RHAREL%FAB8@SC.INTEL.COM (Intel-FAB8 7589)
Newsgroups: rec.ham-radio
Subject: TO MOTOROLA HAM CLUB MEMBER...
Message-ID: <9005160750.AA00532@ucbvax.Berkeley.EDU>
Date: 16 May 90 06:49:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18
Posted: Wed May 16 07:49:00 1990

THIS MESSAGE IS FOR THE GENTLEMAN WHO ANSWERED MY QUESTION RE: PROGRAMMING
AN MX-330S. SORRY... DON'T HAVE YOU NAME OR ADDRESS SO HOPE THIS MESSAGE GETS
TO YOU. MY MAIL WASN'T FORWARDABLE DIRECT.

SORRY FOR THE DELAY IS ANSWERING YOUR MESSAGE...
THANKS FOR YOUR RESPONSE CONCERNING THE PROGRAMMING INFORMATION ON THE
MX-330 PROM. I HAVE A NEW PROM WITH 48 EMPTY SLOTS (12 X 4). ALL THE
FREQUENCIES I'D LIKE TO HAVE BURNED IN ARE ON THE 2 METER HAM BAND SO THERE IS
NO COMMERCIAL INTENT HERE. MY CALSIGN IS WB2JBS. I'M NOW PORTABLE 4X AS I'M
WITH A FAB OF INTEL ELECTRONICS HERE. I ACQUIRED THE MX-330S WHEN I WAS AT THE
DAYTON HAMVENTION - I WAS LOOKING FOR ONE FOR QUITE SOME TIME... NOW ALL I HAVE
TO DO IS GET IT ON FREQUENCY !. PLEASE SEND ME THE PERTINENT INFORMATION
IF YOU CAN HELP AND I WILL FOLLOW UP IMMEDIATELY.
E-MAIL SEEMS TO WORK WELL BETWEEN US...

THANKS AND 73
RICHARD HAREL
WB2JBS/4X

From -1242698641932440405
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8084d9b3df69d450
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-16 08:50:33 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!maytag!watserv1!rsanders
From: rsanders@watserv1.waterloo.edu (Roger K. Sanderson P.Eng.)
Newsgroups: rec.ham-radio
Subject: Re: License Renewal
Message-ID: <1990May16.142645.18651@watserv1.waterloo.edu>
Date: 16 May 90 14:26:45 GMT
References: <5300@hub.ucsb.edu> <12280006@hpspdra.HP.COM>

Organization: University of Waterloo
Lines: 12
Posted: Wed May 16 15:26:45 1990

In Canada we have to renew our Station Licence every year (currently $22). Our Operators Certificate is good for life.

--
Roger Sanderson P.Eng. VE3RKS :
usenet: {clyde|decvax|ihnp4|tektronix|ubc-vision|utzoo}!watmath!watdcsu!rsanders
bitnet: rsanders@watserv1.UWaterloo.ca
internet: rsanders@watserv1.waterloo.edu

From 6830287558298857550
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,51ace17f41b9df1e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-16 08:51:30 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!sdd.hp.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Automatic antenna trackers...
Message-ID: <13710@ucsd.Edu>
Date: 16 May 90 14:59:59 GMT
References: <195@nachos.SSESCO.com>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 32
Posted: Wed May 16 15:59:59 1990

In article <195@nachos.SSESCO.com> elmquist@nachos.SSESCO.com (Chris Elmquist) writes:
>I've seen the Kansas City Tracker package... but am wondering what
>other choices are out there. I thought I once saw a posting on here
>about someone who was building a 'generic tracking box' that hooked
>to the RS232 of the computer. Is this real? Are they still working
>on the project? Does anyone know?

I don't know if it is I that you were referring to, but I was designing such a widget. It turned out to be MUCH easier to build an on-the-PC-bus card for driving a rotor, with a TSR to drive it. What you need is an Analog-to-Digital Converter to read the rotor position, and a couple of bits of parallel port to drive the rotators.

I built mine from a JDR Microdevices PC breadboard card (the one with all the bus interface and address decoding on the board already), an ADC0809 chip, an 8255 chip, and some transistors. Total cost, around $30 or so. Took an evening to build it.

Software to drive it took another two evenings; it's a short program in assembler that just samples the ADC and compares it with a desired value that's fed to it from the InstantTrak tracking program. It's compatable with the Kansas City Tracker calls that IT uses; if you're using some other program it might not be.

I'm planning to add two serial ports to the card (probably an SIO or a dual 8250 or something like that) so that it can talk to the controllers inside my radios and do tuning and such. Haven't done that yet; part of the reason is that several of the tracking program principals aren't yet in agreement over how to pass the value for 'range rate' (change in distance between you and the bird, which determines the doppler shift).

- Brian

From 8735379380184059185
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e42b34b463b97d12
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,e42b34b463b97d12
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-16 12:19:11 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!agate!darkstar!ucscc.UCSC.EDU!haynes
From: haynes@ucscc.UCSC.EDU (99700000)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Numbers Stations
Message-ID: <3491@darkstar.ucsc.edu>
Date: 16 May 90 18:11:43 GMT
References: <2795@husc6.harvard.edu> <13474@ttidca.TTI.COM>
Sender: usenet@darkstar.ucsc.edu
Reply-To: haynes@ucscc.UCSC.EDU.UUCP (Jim Haynes)
Followup-To: rec.ham-radio
Organization: University of California, Santa Cruz CATS
Lines: 23
Xref: gmdzi rec.ham-radio:11512 rec.radio.shortwave:1246
Posted: Wed May 16 19:11:43 1990

In article <13474@ttidca.TTI.COM> sorgatz@ttidcb.tti.com (Erik Sorgatz - Avatar) writes:

>were greeted by a regular-Army Sargent with a nasty looking M16 and told
>to "go away, and forget you ever saw this place...the whole area is
>ours...deadly force, next time, bla-blah, NOW BEAT IT!" Uhuh, right
>Uncle...take it easy, eh? ;-) They escorted our vehicles out of the
>canyon!

---

all of which underscores the existence of a cult-like security mentality in certain government agencies. Their codes are presumably secure; their transmissions can be monitored by anybody; their site can be found by anybody by DF-ing; they are not located in a war zone where they're likely to be overrun by a raiding party at

any moment. They have nothing to fear from ordinary citizens
knowing the location and purpose of the site. It's safe to assume
that any "enemy secret agents" already know these things, if they
want to. Pardon me for sounding political and cynical...
haynes@ucscc.ucsc.edu
haynes@ucscc.bitnet
..ucbvax!ucscc!haynes

"Any clod can have the facts, but having opinions is an Art."
        Charles McCabe, San Francisco Chronicle

From 4894784358796106017
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9cdf98ae0a79cbeb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-16 12:41:34 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!usc!apple!fernwood!synopsys!georgez
From: georgez@synopsys.com (George Z)
Newsgroups: rec.ham-radio
Subject: Armed Forces Day. What frequencies will be used???
Keywords: Armed Forces Day, Frequency
Message-ID: <512@synopsys.COM>
Date: 16 May 90 15:35:40 GMT
Organization: Synopsys, Inc. Mountain View, CA USA
Lines: 6
Posted: Wed May 16 16:35:40 1990

Does anyone out there in ham radio land know what the schedule is for
Armed Forces Day? Do you have a list of the stations, times and
frequencies and modes they will be operating? Thanks alot.

73 de George KJ6VU   aka: georgez@synopsys.com

From -3072068922212500938
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,40c0daf1735cffeb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-16 13:37:43 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!rutgers!mcnc!uvaarpa!murdoch!news
From: jvb7u@astsun.astro.Virginia.EDU (Jon Brinkmann)
Newsgroups: rec.ham-radio
Subject: DAK MR-101 receiver summary
Keywords: DAK receiver summary
Message-ID: <1990May16.192718.22219@murdoch.acc.Virginia.EDU>
Date: 16 May 90 19:27:18 GMT
Sender: news@murdoch.acc.Virginia.EDU
Organization: Astronomy Department, University of Va.
Lines: 441
Posted: Wed May 16 20:27:18 1990

OK, OK, enough! I'm tired of seeing requests for info on the DAK receiver, so I decided to pare down my file on it and post what I have along with my own observations (mine arrive on Monday 5/14). First, my observations:

It's noisy and not very sensitive. I guess it works better than my old Heathkit GR-64 five tube set, but definitely not up to the better sets. With a 50 foot long wire, it is not the equal to my Hammarlund HQ-180 with a 3 foot wire dropped on the floor. The Hammarlund was pulled from a dumpster and with the exception of cleaning, straightening the tuning cap plates and replacing the VFO tube, it hasn't been touched. I have no idea how out of alignment it really is.

AM and FM performance is VERY bad. My daughter's $39 Emerson boom box pulls in stations (and sounds better) than the DAK set. Sound quality is harsh and garbled on some stations.

I monitored a pile-up on 40 meters last night with my Hammarlund. It was able to separate stations quite well with the 2kHz selectivity. The DAK was hopeless.. my guess is at least 10 kHz selectivity. I also tuned it WWV at 15 mHz with a good signal and found an image at 14.100 mHz that was almost as strong as the original. Reminds me of the GR-64 ;`) I also get an RTTY signal on the AM band at 1260 kHz, so image rejection there must be poor also.

I also monitored several stations that had severe fading. The ANL on the DAK radio has about a few second time constant, so that it didn't help much. The Hammarlund worked fine!

My recommendation: If you're a casual listener and don't care to listen to anything but strong stations (WWV, VOA, BBC, etc), this is a bargain, otherwise, look elsewhere.

Jon

Jon Brinkmann   Astronomy Department
Internet: jvb7u@Virginia.EDU   University of Virginia
UUCP: ...!uunet!virginia!jvb7u   P.O. Box 3818
SPAN/HEPnet: 6654::jvb7u   Charlottesville, VA 22903-0818

Date: Sun, 1 Apr 90 17:13:06 edt
From: Peter J. Dotzauer <pjd@hpuxa.ircc.ohio-state.edu>
To: kavan@amarna.gsfc.nasa.gov
Subject: Re: Request for Info on DAK radio
Newsgroups: rec.radio.shortwave
In-Reply-To: <1498@dftsrv.gsfc.nasa.gov>
Organization: Ohio State Univ IRCC

I've had one for two weeks now. I ordered it because of the digital frequency readout, and that 'PLL' stuff that supposedly is the best for SW (although I don't excatly know what it is).

However, the shortwave is disappointing. I don't know if it is the receiver or the antenna, or something else. I have a 14 year old Telefunken radio casette, and although I have to play patiently with the analog dial (and never know what frequency is exactly tuned), I usually get the Deutsche Welle as clear as a bell, whereas on the DAK I often don't get it at all, or it's with a noisy background.

I'll keep the DAK, though, for other reasons. It's a neat little AM/FM receiver with digital frequency readout and station buttons, and it's also a radio alarm clock (when it's turned off, you see the clock in the digital display). It has adapters for AC, external antenna (for better shortwave reception, I suppose), and headphones). With good headphones, it has a reasonably good sound, and the amplifier has plenty of reserves you'll never use.

Regards

--
Peter Dotzauer, Numerical Cartography Lab, Dept of Geography, OSU, Columbus, OH
VOICE (614) 292-1357   FAX (614) 292-6213   DATA (614) 293-0081
BITNET pjd@ohstvmb   UUCP ...!osu-cis!hpuxa.ircc.ohio-state.edu!pjd
FIDO 1:226/330   INTERNET pjd@hpuxa.ircc.ohio-state.edu [128.146.1.5]

Date: Sun, 1 Apr 90 22:41:36 edt
From: Peter J. Dotzauer <pjd@hpuxa.ircc.ohio-state.edu>
To: KAVAN@amarna.gsfc.nasa.gov, pjd@hpuxa.ircc.ohio-state.edu
Subject: Re: Request for Info on DAK radio

Kavan:

No, it has just one timer. Actually, the SW is not quite as bad as I may have described it. Especially if you go outside and play around with the antenna, you get quite a few stations, at least in the 49 m band (my favorite band), with reasonably low-noise reception. So the problem may actually be in the antenna; at this point, I don't know.

On the other hand, my old Telefunken keeps astonishing me. When I bought it in 1976, I didn't even worry about shortwave, I just needed a portable radio recorder. Then I find that it has not only quite good short-wave reception. You'd have to get an expensive stereo to match the sound quality (over good earphones). I really wish I'd find a similar compact unit with all these qualities, PLUS digital frequency readout. ... Well, just got carried away a bit.

Regards,
Peter

Article 1307 of rec.radio.shortwave:

Path: murdoch!uvaarpa!haven!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!nisca.ircc.ohio-state.edu!hpuxa.ircc.ohio-state.edu!pjd
From: pjd@hpuxa.ircc.ohio-state.edu (Peter J. Dotzauer)
Newsgroups: rec.radio.shortwave
Subject: DAK details & experiences
Message-ID: <956@nisca.ircc.ohio-state.edu>
Date: 6 Apr 90 02:01:39 GMT
References: not bad for a $50 unit?
Sender: news@nisca.ircc.ohio-state.edu
Distribution: usa
Organization: Ohio State Univ IRCC
Lines: 52

Due to popular demand, here are some details about the $50 DAK MR-101. First, I was positively surprised to find that the small unit (7 x 4 1/2 x 1 1/2 ", one pound) not only had an external antenna jack, but also a headphone jack and a connector for a 6V DC power converter, such that you don't have to 'subside' on batteries alone. Normally, the thing is powered by six AA cells.

The amplification is more than adequate, and the sound is reasonably adequate with headphones. When it is off, the time shows in the LCD display, with a 'ticking' mark for the seconds. So far (for about 2 weeks), the clock has been accurate.

Shortwave tuning is in 5 Khz increments. There is nothing to show signal strength. Since I don't have much experience with SW radios and nothing suitable to compare it to, I submit a test of the 49 m band (5,800 to 6,200 Khz). The test was done at 9:30 p.m. EDT in Columbus, OH. I am listing the stations with what I consider 'usable' reception. That includes stations with various levels of background noise, but not that much that you can't make out the actual broadcast anymore. I just categorize them into 'relatively noise-free' (default) and 'noisy' (I did not attempt to identify the stations - just happen to know that at 6040 Khz was Deutsche Welle).

Khz	reception
5850	noisy
5945	noisy
5950	
5960	
5975	
5980	noisy
5985	
5995	
6040	
6050	noisy
6130	
6145	noisy
6165	
6175	noisy
6180	noisy

6119

Some stations came in as clear as a bell. On other days, and later at night, I received Deutsche Welle at 6075, and Swiss Radio Int'l at 6135 (the latter a bit noisy).

I hope this amateurish benchmark test gives the pros among you some idea about the DAK. Given the above, I would also like to know what YOU think.
-=-
Peter Dotzauer, Numerical Cartography Lab, Dept of Geography, OSU, Columbus, OH
VOICE (614) 292-1357   FAX (614) 292-6213   DATA (614) 293-0081
BITNET pjd@ohstvmb   UUCP ...!osu-cis!hpuxa.ircc.ohio-state.edu!pjd
FIDO 1:226/330   INTERNET pjd@hpuxa.ircc.ohio-state.edu [128.146.1.5]

Article 1317 of rec.radio.shortwave:
Path: murdoch!uvaarpa!haven!aplcen!uakari.primate.wisc.edu!brutus.cs.uiuc.edu!
psuvax1!psuvm!cunyvm!ndsuvm1!plains!KSRAO@POWER
From: ksrao@power.eee.ndsu.nodak.edu (K. Sankara Rao)
Newsgroups: rec.radio.shortwave
Subject: DAK Radio
Message-ID: <00934C3D.3A5C25E0@POWER>
Date: 6 Apr 90 00:39:03 GMT
Sender: Unknown@plains.UUCP
Reply-To: ksrao@power.eee.ndsu.nodak.edu (K. Sankara Rao)
Organization: EEE dept. NDSU
Lines: 33

I received my DAK radio, finally, this afternoon. Here are my first imressions:

The sensitivity seems pretty decent. Something similar to Sony 2001. I was able to receive BBC (15260), RA (21470) and some other station. A notable one was All Idia Radio External Service at 1300 UTC on 15110. The weather and prpagation were good today. I have thirty days to see whether it is worth keeping.

On the negative side:

It has two bands The upper band starts at 9500 and goes to 26000. So some of the 31 meter stations (like 9400) cannot be picked up.

It does not have direct tuning. So it is not very quick to go from one station to the other unless it is one of the six preset frequencies.

The frequency steps are in 5 kHz and not 1 kHz.

All in all it seems to be good radio to take along to office or on atrip so as not to miss your favourite BBC sports roundup or some some such program.

It is made in China and I do not know if it is a licensed clone of the Phillips radio.

I'll give a detailed account of my impressions in a day or two if nobody does it so by then.

K. Sankara Rao   ksrao@power.eee.ndsu.nodak.edu
Department of Electrical Engineering
North Dakota State University, Fargo

Article 1349 of rec.radio.shortwave:
Path: murdoch!uvaarpa!haven!aplcen!uunet!tut.cis.ohio-state.edu!snorkelwacker!husc6!m2c!umvlsi!dime!forster
From: forster@cs.umass.edu
Newsgroups: rec.radio.shortwave
Subject: DAK radio
Message-ID: <12668@dime.cs.umass.edu>
Date: 8 Apr 90 03:25:14 GMT
Sender: news@dime.cs.umass.edu
Organization: COINS, UMass, Amherst
Lines: 15

I heard a review of the DAK receiver on Radio Canada International this evening. I don't remember all the details, but there were pluses and minuses. It's apparently a very good deal for the $49.90, but there are some caveats: 1. it's made in the PRC (they're having cash flow problems since that little `incident' with the tanks, not surprisingly), 2. there's no tuning knob (instead they have a few station select buttons and a couple of buttons to scan with), 3. it's not very sensitive (apparently only people in coastal areas will do well with reception), and 4. the 5 kHz jumps between frequencies limit its useability outside of North America. Caveat number 1 was enough to kill it for me.

Disclaimer: I am only reporting what I remember of the review. I have never seen the DAK receiver myself, and have nothing to do with DAK or the PRC.

- David Forster

Article 1390 of rec.radio.shortwave:
Path: murdoch!uvaarpa!haven!aplcen!uakari.primate.wisc.edu!dali!milton!uw-beaver!cornell!chandra
From: chandra@mimir.cs.cornell.edu (Tushar D Chandra)
Newsgroups: rec.radio.shortwave
Subject: DAK shortwave blues.
Keywords: Lemon.
Message-ID: <39795@cornell.UUCP>
Date: 12 Apr 90 18:28:47 GMT
Sender: nobody@cornell.UUCP
Reply-To: chandra@cs.cornell.edu (Tushar D Chandra)
Distribution: usa

Organization: Cornell Univ. CS Dept, Ithaca NY
Lines: 30

Hello world!

While playing around with the DAK I discovered some strange anomolies:

1. It performs quite well WITHOUT its antenna extended.
2. When I use the antenna, its reception improves marginally (if at all).
3. When I use an external antenna and plug it into the external antenna socket, its reception DEGRADEs dramatically.
4. When I attach an external antenna to the regular antenna, reception improves.
5. If I partially insert the external antenna into the headphone socket, reception improves.

To give you an idea of how it performs: I compared the DAK with a SONY SW1S and a 2001 and found that the reception on the DAK is much worse than the SONYs. As noted above, my DAK without its antenna extended receives better than the SW1 without its antenna but then who cares about that?

Further when I tuned into BBC at 5975 Khz, the DAK added a loud whine to the BBC transmission. I'm certain this whine is introduced by the SW rather than some external source because neither SONY picked it up.

All in all I'm pretty disappointed by the DAK. I'd like to know what other people feel about their DAKs - maybe I got a lemon. I suspect that my antenna is grounded. Any suggestions, comments?

Going back to TV

-Tushar Chandra
email-chandra@cs.cornell.edu

Article 1394 of rec.radio.shortwave:
Path: murdoch!uvaarpa!haven!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!venera.isi.edu!mittal
From: mittal@venera.isi.edu (Vibhu O. Mittal)
Newsgroups: rec.radio.shortwave
Subject: The DAK Radio
Message-ID: <12881@venera.isi.edu>
Date: 12 Apr 90 23:30:37 GMT
Reply-To: mittal@venera.isi.edu (Vibhu O. Mittal)
Distribution: usa
Organization: USC/Information Sciences Institute
Lines: 11

Well, my $50 DAK radio has conked already. The Power switch stopped working, so I used the "Sleep" button to turn it on, and even that went today. I can not turn on the radio now at all. It'll go back to DAK today.

What I'm wondering is -- how is the $200 unit by Sangean that DAK advertises in its latest catalog ? The one with direct entry tuning and so on? How would that compare with the SONYs/PANASONICs in that price range?

Thanks in advance,

Vibhu Mittal

Article 1412 of rec.radio.shortwave:
Path: murdoch!uvaarpa!haven!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!mips!prls!pyramid!infmx!marc
From: marc@infmx.UUCP (Marc Kenig)
Newsgroups: rec.radio.shortwave
Subject: DAK radio
Keywords: cheap imitation
Message-ID: <3860@infmx.UUCP>
Date: 13 Apr 90 17:10:38 GMT
Organization: Informix Software Inc., Menlo Park, CA.
Lines: 58

In article <2774@hudson.acc.virginia.edu> (Jon Brinkmann) writes:
>...The DAK is not
>the Philips AE-3805 (although my bet is that it's a clone!)...

Right you are. I had hoped to post a review of the receiver by now, since mine finally came last week. Unfortunately, I had a case of infant mortality: somethings blown in the radio's amp, and even turning it up full blast I barely get any sound.

Since it could have been a simple short or loose wire or something, I couldn't resist opening it (if anybody tells DAK, I'll scream since I'm returning it). The answer is:

ACE ELECTRONICS, China. Printed on the circuit board.

Mini review:

The radio *feels* cheap. The volume slide pot is extremely wimpy, and slides all too easily. The keys and case are all hard plastique, no texturing, which combined with the light weight, also adds to this perception. The "dial" light is almost no help, illuminating the edges of the display too much and not enough on the center. It also created an audible pop when I hit the "Light" button, but that may have been an artifact of the other problems my specimen had. The speaker is real wimpy, I wouldn't expect much fidelity of any sort (.5 watt amp 8 ohms, 2 inch speaker); there's no tone control.

Basically the radio has all the advertised features, and they all work. The central computer module, which I bet is OEM'd from Phillips, has all the features of the Phillips radio including standby, clock, timer, alarm, etc. I don't understand why the "Lock/Unlock" key is there. It's in the same place as the on/off, the same kind of switch, and doesn't stop the radio from turning on anyway, just from changing freqs. When the radio is off the display shows the time, and when it's on, you can toggle from time to alarm to freq display. The major controls were all unbelievably wimpy in design (on/off, lock, volume) except the "computer" keys (tuning, alarm, memory) which are a rubber membrane with studs shorting points on the upper computer circuit card).

From the little I could hear, the radio could get the major stations, but was much susceptible to noise (no shielding and a dozen patch wires on the circuit board) and fading. So I'm used to my Sony 2010, and it's wonderful Synchronous circuit, sue me. I heard to BBC (5975 & 9640, Moscow(15425) WWV (5&10) and Australia on 9580. Fine. I could get these with a tin can with an antenna, but it lent credence to the fact that this really was a SW radio. I couldn't hear CFRB (6070), Tahiti (15171) or anything of moderate DX difficulty, but given the radio was barely putting out any sound, I can't tell whether it's the radio design defficiency or the audio amp problems.

Tuning via the slew keys takes some getting used to. Holding the slew key puts the radio into a scan mode, stopping at loud stations. If you want to stop at a particular frequency, you have to time it right and hit the opposite slew key to stop the radio from scanning. The memories worked, but there is no backup battery - you lose the settings whenever you change batteries :-(.

Now for the real test. I get to return it and see how long it takes to get a replacement or repair from DAK. So whaddya want for $50?

marc

Article 1416 of rec.radio.shortwave:
Path: murdoch!uvaarpa!haven!uflorida!rex!samsung!uunet!decwrl!fernwood!portal!cup.portal.com!HAVANAMOON
From: HAVANAMOON@cup.portal.com (Havana - Moon)
Newsgroups: rec.radio.shortwave
Subject: Re: DAK radio
Message-ID: <28938@cup.portal.com>
Date: 14 Apr 90 21:52:16 GMT
References: <3860@infmx.UUCP>
Organization: The Portal System (TM)
Lines: 10

I suspect the DAK radio performs just about as well as the thirty nine cent cigarette lighter I just purchased at a local drugstore. Made in China and --you guessed it-- no flame no matter how many times you flik! Maybe if I attached a long-wire . . .

At least you stand a chance of getting your money refunded.

As for the lighter . . .

Havana Moon

Article 1455 of rec.radio.shortwave:
Path: murdoch!uvaarpa!haven!aplcen!samsung!hubdub!ellie

From: ellie@merrimack.edu
Newsgroups: rec.radio.shortwave
Subject: A Brief Review of the DAK Shortwave
Message-ID: <18997.262cabf2@merrimack.edu>
Date: 18 Apr 90 18:03:29 GMT
Organization: Merrimack College, No. Andover, MA
Lines: 13

You get what you pay for...

DAK shortwave radio for $49 is not very sensitive, but does lock onto the stations reasonably well. The FM sound is very good, but alas, it really is just a fifty dollar shortwave radio. Its battery consumption is surprisingly high, and the unit is not stable on the table (it tips easily). It serves well as a second portable, but one of the first things I had to do for it was purchase an AC adapter from Radio Shack (approx. $8).

For serious portable shortwave listening, I recommend Sony Pro-80 ($350-$400).

-This is not the voice of Ellie, this is Max.
--
```
Jon Brinkmann                     Astronomy Department
Internet:jvb7u@Virginia.EDU      University of Virginia
UUCP:         ...!uunet!virginia!jvb7u    P.O. Box 3818
SPAN/HEPnet:  6654::jvb7u            Charlottesville, VA 22903-0818
```

From 1037814533560122641
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,781fbba7065cf176
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-16 14:59:25 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!rutgers!mcnc!ncsuvx!news
From: garvin@ccvr1.ncsu.edu (Michael A. Garvin)
Newsgroups: rec.ham-radio
Subject: Re: New Wide Band Scanner (hand Held)
Keywords: Good Bye ICOM, Hello AOR
Message-ID: <1990May16.202509.2429@ncsuvx.ncsu.edu>
Date: 16 May 90 20:25:09 GMT
References: <1598@raybed2.msd.ray.com>
Reply-To: garvin@ccvr1.ncsu.edu (Michael A. Garvin)
Organization: Bill 'n Opus Campaign HQ
Lines: 30
Posted: Wed May 16 21:25:09 1990

In article <1598@raybed2.msd.ray.com> ewb@raybed2.msd.ray.com (EUGENE BALINSKI) writes:
>
>NEW AOR SCANNER
>
>1000 Channels, 8-600 and 805-1300 MHz
>Continuous coverage (except for 600-805 MHz UHF TV)

>AM, FM and WFM modes
>10 scan banks, 10 search banks
>selectable priority channel
>*** Selectable search increments (5 to 955 KHz)
>permanant memory backup
>no freqs cut out (yes it does get cellular - Gasp!)
>Size: 6 7/8" H x 1 3/4" D x 2 1/2" W
>12 ozs weight
>Price 499.00 incl shipping
>Ace Communications
>toll free 800 445-7717

FYI, I ordered one today from Grove. They have them for $459, and they are in stock and shipping. Here's the address & number:

Grove Enterprises
P.O. Box 98
Brasstown, NC 28902
(704) 837-9200
Free Catalog

Michael Garvin
garvin@ccvr1.ncsu.edu
NCSU Computing Center, Raleigh, NC

From 7834094398423729404
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,27e65c1fbe9a9f5e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-16 15:51:01 PST
Path: gmdzi!unido!mcsun!uunet!kaukau.comp.vuw.ac.nz!massey.ac.nz!GMoretti
From: GMoretti@massey.ac.nz (Giovanni Moretti)
Newsgroups: rec.ham-radio
Subject: Re: Crossed Field Antennas (CFAs)
Keywords: CFA, Crossed-field antenna
Message-ID: <722@massey.ac.nz>
Date: 16 May 90 22:51:01 GMT
References: <CMM.0.88.642700952.geirha@hornet.uio.no>
Organization: Massey University, Palmerston North, New Zealand
Lines: 36
Posted: Wed May 16 23:51:01 1990
X-Reader: NETNEWS/PC Version 2.2

>> Refs to Crossed Field Antenna

There is an article "The Cross-field Antenna in Practise" by C.Bryan Wells in the English magazine "Electronics World + Wireless World" November 1989 pp1109 - 1111 in which the author describes his experiment and comes to the conclusion that it really does work.

He's using an antenna made of tinfoil covered milk powder tins (REAL ham-radio :-) which gives a size of 700mm (about 2 feet 6").

I quote (he's talking about using the antenna on 40m):

... " At night the results are almost as good as both my double zepp
and an 82m (meter) circumference vertical loop, both at about 10m (32ft).
The full-sized (700mm) CFA is mounted against the peak of the roof space
in the house at about 8m (20ft) above ground"

```
---                       the bits in parentheses are my additions
```

He then goes on to describe various checks to ensure that the CFA really
is doing the radiating and not just acting as a bit of metal at the end
of a feedline and comes to the conclusion that it really is radiating.

The person in the next office informs me that there's another article in
the latest issue but I haven't seen it yet.

Cheers
Giovanni ZL2BOI

```
--
-------------------------------------------------------------------------------
|   GIOVANNI MORETTI, Consultant     | EMail: G.Moretti@massey.ac.nz          |
|Computer Centre,  Massey University | Ph 64 63 69099 x8398, FAX 64 63 505607 |
|   Palmerston North, New Zealand    | QUITTERS NEVER WIN, WINNERS NEVER QUIT |
-------------------------------------------------------------------------------
```

```
From -856464426351802122
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,83e0def944d75c51
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-16 17:53:29 PST
Path: gmdzi!unido!mcsun!uunet!samsung!cpoint!die
From: die@cpoint.UUCP (David I. Emery)
Newsgroups: rec.ham-radio
Subject: Re: Were US scanner makers pressured to
Message-ID: <5093@cpoint.UUCP>
Date: 16 May 90 22:35:29 GMT
References: <223637@<1990May13> <30500539@ux1.cso.uiuc.edu>
Reply-To: die@cpoint.UUCP (David I. Emery)
Organization: Clearpoint Research Corp., Hopkinton Mass.
Lines: 57
Posted: Wed May 16 23:35:29 1990
```

In article <30500539@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:

```
>
>I would like to know what level of technology that is used in the radios
>used by the secret service agents when they are covering the president,
>vice-president or other important white house staff.  I would suspect they
>use the low 400 Mhz frequencies.  Can someone confirm?
```

The Secret Service currently uses Motorola radios with DES based DVP security mostly on a group of frequencies in the 160-170 mhz federal segment. As far as I can tell, the frequencies are mostly the same old phonetic alphabet channels (BAKER, CHARLIE, DELTA, GOLF, NOVEMBER, OSCAR, TANGO, SIERRA) that they have used for the last 40 years for presidential protection. I do not have a list of the frequencies here at work, but if someone is interested I can look them up. There has been some realignment of the 160 mhz federal frequency spectrum by the IRAC as more and more federal stuff shifts to secure modes such as DVP and more flexible operation such as trunking. This may have resulted in some reassignment of traditional 160 mhz secret service channels, but they seem to have been using the old standard ones pretty regularly too.

Communications on the presidential protection channels are mostly all encrypted now with DVP, but occasionally someone will transmit a message or two in the clear. The secret service also has available some assignments in the 409 and 414 mhz areas - as far as I know these are not heavily used for presidential security. Much of this 406-420 mhz band has been restructured and the old secret service frequencies here may and may not still belong to the secret service any more.

DVP is FSK modulation (frequency shift about 8 Khz or so) of DES encrypted CSVD digitized voice. My recollection is that the bit rate is 16 kbs. The system is pretty secure, since it uses DES in a cipher feedback mode, and the keys are changed every month or so (or so I have been told). The radios all have dual secure/clear mode capability and appropriate squelch circuits so communications can be sent either in the clear on NBFM voice or secure on a transmission by transmission basis. I think they either have a secure push to talk and a clear push to talk or a mode switch since one occasionally hears one half of a conversation in the clear and the other half secure. To untrained ears the DVP signal sounds like white noise, but it will unsquelch many scanners.

In addition to the presidential protection channels now rendered largly useless to scanner freaks there are channels that the secret service sets up for coordination with local law enforcement. These vary on a city by city basis, but often have quite a bit of activity on them. They are often secondary frequencies licensed to local or regional police agencies and used during special events.

And of course for the hard core, there are the various radio-telephone systems used by the president and vice president as well. I have posted descriptions of these to the net at various time in the past.

--

David I. Emery   Clearpoint Research Corp.
35 Parkwood Dr, Hopkinton Ma. 01748 1-508-435-7462
{decvax, cybvax0, mirror}!frog!cpoint!die
{m2c}!jjmhome!cpoint!die,   Internet: die@cpoint.clearpoint.com

From 3591467534832420408

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,27e65c1fbe9a9f5e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-16 23:18:13 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!uakari.primate.wisc.edu!
sdd.hp.com!hplabs!hpfcso!hpfinote!jsb
From: jsb@hpfinote.HP.COM (Jeff Beauprez)
Newsgroups: rec.ham-radio
Subject: Re: RE: Crossed Field Antennas (CFAs)
Message-ID: <16170015@hpfinote.HP.COM>
Date: 16 May 90 15:37:57 GMT
References: <CMM.0.88.642700952.geirha@hornet.uio.no>
Organization: Hewlett Packard CICD
Lines: 14
Posted: Wed May 16 16:37:57 1990
```

Ok, what is an 'Army Loop'? As an avid antenna experimenter this CFA discussion is very interesting, and I would like to receive more info on the antenna. I would also like someone to email me a discription of an Army loop.

```
   --... ...--   --... ...--    -.. .   .-- --- ----- .---
   Jeff Beauprez WO0J  Volunteer Examiner
   ARRL/FCC Field Operations Bureau, Official Observer

   Hewlett-Packard CICD R&D                jsb@hpfijsb.HP.COM
   3400 E. Harmony Rd                      (303)229-3964
   Ft. Collins, CO 80525
   --.- .-. .--.   .. -.   - .... .   .-. --- -.-. -.- .. . ...
```

```
From 6411638636901389790
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85b8fb39c46820be,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-16 23:18:15 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!umich!samsung!uakari.primate.wisc.edu!
sdd.hp.com!hplabs!hpfcso!hpfinote!jsb
From: jsb@hpfinote.HP.COM (Jeff Beauprez)
Newsgroups: rec.ham-radio
Subject: How is Dove?
Message-ID: <16170016@hpfinote.HP.COM>
Date: 16 May 90 16:58:51 GMT
Organization: Hewlett Packard CICD
Lines: 13
Posted: Wed May 16 17:58:51 1990
```

What is the latest on Dove? It's been some time sence we've heard how the software upload is progressing.

```
   --... ...--   --... ...--    -.. .   .-- --- ----- .---
   Jeff Beauprez WO0J

   Hewlett-Packard CICD R&D                jsb@hpfijsb.HP.COM
   3400 E. Harmony Rd                      (303)229-3964
   Ft. Collins, CO 80525
   --.- .-. .--.   .. -.   - .... .   .-. --- -.-. -.- .. . ...
```

From -3049904733347291048
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e5f172b06882ab9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-16 23:29:25 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!brutus.cs.uiuc.edu!zaphod.mps.ohio-state.edu!swrinde!ucsd!helios.ee.lbl.gov!nosc!crash!guhsd000@crash.cts.com
From: guhsd000@crash.cts.com (Paula Ferris)
Newsgroups: rec.ham-radio
Subject: E. F. Johnson Viking Ranger [restoration]
Message-ID: <2693@crash.cts.com>
Date: 16 May 90 23:21:53 GMT
Sender: root@crash.cts.com
Organization: HALE Telecommunications, San Diego
Lines: 24
Posted: Thu May 17 00:21:53 1990
X-Local-Date: 16 May 90 16:21:53 PDT

I've wanted to have a Ranger for some time, mainly because I always liked the way it was set up, and the broad coverage.

to have been plugged in since 1975, judging from the decayed rubber of the power cord and a service tag. Over all, it's on great shape, I doubt I'd look that good after being sealed in a box for 15 years.

Major problem: The band selector was frozen, now it's really high drag, I can fix that, but the knob, and the cam (inside that shifts a pot[core/switch?] as the shaft turns.) have both become loose. Anyone know what position these should be in at 160 meters and 10 meters?

Also, I could use the pinouts for the crystal socket(and other crystal info for it's use), the jumper socket on the back, the phono jack in the back (Best guess s
is for the key.) And the shielded plug, which I belive is the mike jack.

At full drive, what is the rated power out? And a good antenna for such a widebander? A 160m wire is pretty much
out of the question.

Thanks in advance.

From -1635152804947937123
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fcf488c180981d73,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-17 01:39:36 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!ibma.nerc-wallingford.ac.UK!PJML
From: PJML@ibma.nerc-wallingford.ac.UK ("Pete Lucas, NCS-TLC, Swindon U.K.")
Newsgroups: rec.ham-radio
Subject: Priority Scan.
Message-ID: <17.May.90.09:40:52.BST.#5401@UK.AC.NWL.IA>
Date: 17 May 90 08:39:36 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Thu May 17 09:39:36 1990

I agree a 'priority' sampling rate of several seconds is quite silly.
What is *really* needed to implement this properly is a second, independent
receive channel for the 'priority' frequency. Yhis receiver sits on its
allotted frequency all the time, listening. Then by some simple logic,
you just switch the audio from one receive strip to the other when the
'priority' squelch opens.
This is quite common on marine receivers where they have a 'watch'
receiver on 2182KHz (or the other distress frequency - 500KHz isnt it?)
which is on all the time.
If it can be done with dual-band ham rigs, how long before some smart
manufacturer does it in a scanner?

Pete Lucas   PJML@UK.AC.NERC-WALLINGFORD.IBMA   0793411613

From -4055201475511859997
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,44a27e1f9c3c1b48
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb8d6,44a27e1f9c3c1b48
X-Google-Attributes: gidfb8d6,public
X-Google-ArrivalTime: 1990-05-17 02:26:23 PST
Path: gmdzi!unido!mcsun!sunic!tut!ousrvr!news
From: so-luru@stekt.oulu.fi (Ari Husa OH8NUP)
Newsgroups: rec.ham-radio,comp.misc.forsale
Subject: Re: Teletype Model 43s for sale
Message-ID: <SO-LURU.90May17023349@stekt.oulu.fi>
Date: 16 May 90 23:29:39 GMT
References: <1990May16.060024.14132@grian.cps.altadena.ca.us>
Sender: news@ousrvr.oulu.fi
Organization: United Lusers Against SO Prefix
Lines: 20
Xref: gmdzi rec.ham-radio:11521

```
Posted: Thu May 17 00:29:39 1990
In-reply-to: alex@grian.cps.altadena.ca.us's message of Wed, 16 May 90 11:56:56 GM
```

In article <1990May16.060024.14132@grian.cps.altadena.ca.us>
alex@grian.cps.altadena.ca.us (Alex Pournelle) writes:

> for (no lie!) $15 each, or $25 a pair, F.O.B. Pasadena CA, plus UPS COD

Funny. I don't want to spoil your business, but I just want to share something with you guys over ther in NetLand. Keep your eyes open and you can make some *real* deals.

A couple of weeks ago I found out that a local hospital was dumping their VT-52-compatible terminals (new ones coming in, of course) and had no idea what to do with 'em. Unfortunately, they decided to literally dump them - and when we got there, only few were left.

Well, one dollar (approx.) per terminal wasn't all that bad. And those TT-43's we got three for $2.. kinda quantity discount.

Terrific fot packet, work like a charm. I sure will keep my ears and eyes open and act quicker next time.

Luru

```
From 4655708622123029363
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e054e8a7ca6f40f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-17 03:02:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!
ucbvax!SC.INTEL.COM!RHAREL%FAB8
From: RHAREL%FAB8@SC.INTEL.COM (Intel-FAB8 7589)
Newsgroups: rec.ham-radio
Subject: Info Please on Ohio Repeater Links ??
Message-ID: <9005180703.AA13133@ucbvax.Berkeley.EDU>
Date: 17 May 90 10:02:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Thu May 17 11:02:00 1990
```

While I was in Dayton, I keyed up a repeater on 2 meters (exact freq.- I don't remember) that was linked with something like 20 other repeaters in the Mid-West. It was quite impressive and didn't seem to be abused. Can someone fill me in on some more info ? I think the Southern CA. - South-Western US area may have a similar set-up...
Internet is fine.
73,
Richard Harel
4X1DA

From -5068341177141662632
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,932aae2cd5fd084c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f74ae,932aae2cd5fd084c,start
X-Google-Attributes: gidf74ae,public
X-Google-Thread: 105d97,932aae2cd5fd084c,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-05-17 03:08:33 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!decwrl!megatest!suprtek!jc
From: jc@suprtek (John Cincotta 415 790 9382)
Newsgroups: rec.ham-radio,sci.astro,sci.electronics
Subject: 60Khz time standard.
Keywords: 60Khz NIST
Message-ID: <188@suprtek>
Date: 16 May 90 18:27:26 GMT
Organization: Supertek Computers, Santa Clara, CA
Lines: 20
Xref: gmdzi rec.ham-radio:11522 sci.astro:4170 sci.electronics:6726
Posted: Wed May 16 19:27:26 1990

Hi. I am a member of Group 70 which is building a large amateur astronomical observatory. We eventually intend to have it completely automated (remote controlled ?) and need a very accurate clock for the observatory.

I believe that NIST?(NBS)transmits a very accurate clock on 60khz, Could someone give me information about how I could use this to calibrate a local clock? We need absolute time that is accurate to better that +- 300 microseconsd of course, greater accuracy ie even better for astrometric purposes.

I have looked at a 8 year old copy of the 559 manual but it makes no mention of the 60Khz signals.

Thanks

John Cincotta N6PLR
home phone 415 790-9382
work phone 408 727-5749

From 882071608669622940
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,91854b74c56af7ed,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-17 04:06:32 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!WPAFB-AMS1.AF.MIL!bob%50781.decnet
From: bob%50781.decnet@WPAFB-AMS1.AF.MIL ("50781::BOB")
Newsgroups: rec.ham-radio

Subject: Dwaine Hurta
Message-ID: <9005170847.AA24837@ucbvax.Berkeley.EDU>
Date: 16 May 90 19:30:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Wed May 16 20:30:00 1990

This is for Dwaine Hurta,

Dwaine,
I couldn't send to you directly, let me know your numeric internet address.

Bob, N5GNA

From -990233767576187615
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,545caf01e464eeab,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-17 04:06:42 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!rutgers!tut.cis.ohio-state.edu!ucbvax!ibma.nerc-wallingford.ac.UK!PJML
From: PJML@ibma.nerc-wallingford.ac.UK ("Pete Lucas, NCS-TLC, Swindon U.K.")
Newsgroups: rec.ham-radio
Subject: Coax power rating.
Message-ID: <16.May.90.14:31:57.BST.#5084@UK.AC.NWL.IA>
Date: 16 May 90 13:23:41 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Wed May 16 14:23:41 1990

How much power can a piece of coax handle? Well, it depends on what is at the end! With a perfectly matched load, your coax will actually handle a lot more power than with a mismatched load. Mismatch generates standing waves (hence current and voltage nodes) due to the energy reflected from the load.
A perfectly matched load absorbs all the energy fed into it, so no reflection and no standing waves. This state of nirvana is rarely, if ever, achieved in the real world, despite what antenna makers wish to tell us.
I have pushed 400 watts down a length of RG58 when it has been properly matched (that is, feeding a dummy load) yet similarly i have seen flashover at 200 watts on the same feedline with chronic feeder mismatch (open circuit at antenna feedpoint;. Oooer!). Of course, feeder losses will also increase with increased mismatch - the ultimate feeder loss being when it flashes over or cooks the dielectric... exit one length of feeder :-)

Pete Lucas G6WBJ PJML@UK.AC.NERC-WALLINGFORD.IBMA   86.437.5

From 1644861093157933360

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c3c15e4e5c0158d0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-17 04:12:08 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!tut.cis.ohio-state.edu!ucbvax!SC.INTEL.COM!RHAREL%FAB8
From: RHAREL%FAB8@SC.INTEL.COM (Intel-FAB8 7589)
Newsgroups: rec.ham-radio
Subject: RE: Scanning Low end of UHF Spectrum
Message-ID: <9005170904.AA25804@ucbvax.Berkeley.EDU>
Date: 16 May 90 11:23:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 32
Posted: Wed May 16 12:23:00 1990

<I would like to know what level of technology that is used in the radios
<used by the secret service agents when they are covering the president,
<vice-president or other important white house staff. I would suspect they
<use the low 400 Mhz frequencies. Can someone confirm?

<--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

Actually Phil, they're on VHF around 167 Mhz. (You can also know the exact frequency by asking around or by checking out some of the "Secret Government Freq. Listings" directories. Don't get your hope up too high - they're on DVP mode - all you'll hear is white noise when they transmit and a short tone burst at the end of every transmission (this let's the agent know that the DVP feature on the radio is still working - the DVP "Key" is easily erased by disconnecting the battery when the radio is on). This "key" is a 64 bit algorythm developed by Motorola. It's based on the NIST 72 bit Data Encryption Standard (DES). The NSA rolled it's own form of voice encryption code named "Fascinator" used by the President and "above". Some agencies are now using another high level encryption method called RSA. Unless you have a super-computer and know how to tackle the problem, this stuff will remain encrypted the way it was meant to be... there's always the Japanese who might put "DVP decoding" features in their hand-held scanners one day.

73,
4X1DA
RICHARD HAREL
****
Disclaimer:
My Employer in no way warrents these ideas, opinions, comments etc. I am responsible for my actions...
****

From -4830720206565772081
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ee03dc93854dc4e8,start

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,ee03dc93854dc4e8,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-17 05:06:56 PST
Path: gmdzi!unido!mcsun!uunet!cbmvax!heimat!dan
From: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Query on PRO-34 frequency mod
Message-ID: <112@heimat.UUCP>
Date: 17 May 90 12:06:56 GMT
Reply-To: dan@heimat.UUCP (Dan 'Sneakers' Schein)
Organization: Sneakers Computing, West Lawn, PA
Lines: 31
Xref: gmdzi rec.radio.shortwave:1273 rec.ham-radio:11598
Posted: Thu May 17 13:06:56 1990

[-=-]

Well I finally decided to do the 'euro' mod to my PRO-34 (restore the 66 - 88 MHz range). Based on the collection of PRO-34 mods I collected from the net I added a diode to D-9 (the old one removed from D-11 when I restored full 800 Mhz). It appears as though I now have this new range of frequencies -BUT- at the cost of my 30-54 MHz range :-(

Its an easy job to remove the diode and be back where I started but my question is: Has anyone been able to get both? Does anyone actually use or check these mods (in particular this one)?

One other note on the PRO-34, a few nights back while busy with other things I wanted to place the scanner in manual and select channel 21. Not watching what I was doing, I somehow got the scanner on channel 210! At this point I could step with the manual key and the #'s kept going up. When I pressed scan it continued going up unitl the PRIORITY kicked in. Since then I have not been able to reproduce this, has anyone had any luck with extra channels? (Oh yea - these new channels were all set to "0.0" while my original 200 remained programmed)

Sneakers
--

```
                                    ___
     Dan "Sneakers" Schein         ////  Quote:
     Sneakers Computing           ////        Those who worked the hardest
     2455 McKinley Ave.     ___  ////         are the last to surrender.
     West Lawn, PA 19609    \\\////                 -= Gary Ward =-
                             \\///
     dan%heimat@commodore.com        (or)        uunet!cbmvax!heimat!dan
```

From 3283788005945621235
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d9a9fd9b46866bd6,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-05-17 06:51:06 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: George Carlin (was Re: Packet/Internet gateways)
Message-ID: <1250166@hpnmdla.HP.COM>
Date: 16 May 90 20:51:26 GMT
References: <40944@apple.Apple.COM>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 19
Posted: Wed May 16 21:51:26 1990

|
I don't know if amateur radio is subject to different regulations than
other services, but I should point out that HBO is transmitted, via RF
frequencies, by satellite, to home viewers (TVRO). I don't quite catch
the distinction that would allow this and preclude Internet-originated

transmissions.

The difference is the Amateur Radio regulations.
For one thing, business communications are not permitted.
For another thing, the originating station is supposed to have control over
any transmissions from his station. This means he must read each message
before it is transmitted.

I believe internet messages COULD be sent over Amateur packet radio if
the originating station licensee were willing to read 1000% of the messages
before they are transmitted.

Al N1AL

From -4643453143847816274
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6604267f854ebee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-17 08:43:30 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!ucsd!rutgers!rochester!ray
From: ray@cs.rochester.edu (Ray Frank)
Newsgroups: rec.ham-radio
Subject: Re: Two scanner patents
Message-ID: <1990May17.141412.1194@cs.rochester.edu>
Date: 17 May 90 14:14:12 GMT
References: <1990May13.221801.10819@cbnewse.att.com> <24300002@col.hp.com>
Reply-To: ray@cs.rochester.edu (Ray Frank)
Organization: University of Rochester Computer Science Department
Lines: 32
Posted: Thu May 17 15:14:12 1990

In article <24300002@col.hp.com> kenw@col.hp.com (Ken Wyatt) writes:

>> >I have a Motorola Saber-III HT that scans with _Dual-Priority_ and _Lockout_
>> >
>> >Also, IMHO, "PRIORTY" is a poor choice of wording for scanners & amateur
>> >radios that check a predetermined frequency once every X seconds. I have
>> >seen this from 2 to 5 seconds, never faster. Commerical gear, on the other
>> >hand, samples the pre-determined frequency several times a second allowing
>> >the operator to hear the entire transmission instead of the trailing carrier
>> >or "hang-time" of a repeater.
>> >--
>> >Scott O'Connell - KC6KFX   UUCP: {nosc, hplabs!hp-sdd}!crash!ipars!scotto
>>
>>
>> OK, so what's your point? And will this be a long story?
>>
>> Mike Shirley, WB6WUI   INET: mikey@pnet03.cts.com
>
>Mike, I guess I don't understand your point either. I find I must agree
>with Scott. Priority scan rates of several seconds is a worthless feature
>in a scanner. Any manufacturers listening?

I also agree with Scott. My pro-34 interupts normal scanning every 2 seconds to monitor the priority channel. This is a very annoying interuption to have to contend with if nothing is happening on the priority channel.
I would rather have a scanner that doesn't interupt normal scanning unless a carrier is present on the priority channel. As it is now, the pro-34 interupts regardless. It wouldn't be so difficult to have circuitry monitor the priority channel to see if a carrier is present and if it is then and only then go to it. I believe some of the later bearcat scanners are doing this.

ray

From -171719080747557597
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8084d9b3df69d450
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-17 08:43:33 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!rutgers!rochester!cornell!uw-beaver!sumax!amc-gw!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: License Renewal
Summary: renewal
Message-ID: <722@ssc.UUCP>
Date: 16 May 90 19:09:14 GMT
References: <5300@hub.ucsb.edu>
Distribution: rec.ham-radio
Organization: very little
Lines: 19
Posted: Wed May 16 20:09:14 1990

In article <5300@hub.ucsb.edu>, 6600dong@ucsbuxa.ucsb.edu (Dong Hwan Kim) writes:

> Does the Ham-Radio license have to be renewed every certain years like driver's license?

Yes, every ten years. A few years back the license term increased from five to ten years. This is true for all license classes. The same Form 610 that is used for change of address and modification to the license is used. There is no re-examination required.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 9025401466325166476
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,40c0daf1735cffeb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-17 11:57:11 PST
Path: gmdzi!unido!mcsun!uunet!optilink!elliott
From: elliott@optilink.UUCP (Paul Elliott x225)
Newsgroups: rec.ham-radio
Subject: Re: DAK MR-101 receiver summary
Summary: A-B test with Sony ICF-2003
Keywords: DAK receiver summary
Message-ID: <3633@optilink.UUCP>
Date: 17 May 90 15:33:20 GMT
References: <1990May16.192718.22219@murdoch.acc.Virginia.EDU>
Organization: Optilink Corporation, Petaluma, CA
Lines: 22
Posted: Thu May 17 16:33:20 1990

Briefly...

We took one of the DAK MR-101 rcvrs outside and compared it's performance to a Sony ICF-2003. Immediately obvious was the DAK's low audio level (this was using the built-in whip antenna on both units). We plugged the Sony long-wire antenna (hardly a long-wire electrically, but you know what I mean), into both radios and noticed that the Sony output changed little, but the DAK's increased dramatically. The AGC on the DAK seemed marginal, either a poor control range/slope or a ridiculously high threshold. The audio quality was not much worse than the Sony.

With the external antennas, both radios seemed to have similar sensitivities. All this testing was done at 3:00PM PST, receiving stations from 5MHz to 21MHz. The comments made in other postings seem to match our experience,

```
especially in regards to the lack of "quality feel" to the radio.



--
      Paul M. Elliott      Optilink Corporation     (707) 795-9444
            {uunet, pyramid, pixar, tekbspa}!optilink!elliott
    "Less than perfect, that's what I've been aiming for all along."


From 28019603790175747
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8084d9b3df69d450
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-17 13:58:58 PST
Path: gmdzi!unido!mcsun!hp4nl!nikhefk!henkp
From: henkp@nikhefk.UUCP (Henk Peek)
Newsgroups: rec.ham-radio
Subject: Re: License Renewal
Message-ID: <751@nikhefk.UUCP>
Date: 17 May 90 19:51:34 GMT
References: <5300@hub.ucsb.edu> <12280006@hpspdra.HP.COM>
Reply-To: henkp@nikhefk.UUCP (Henk Peek)
Organization: Nikhef-K, Amsterdam (the Netherlands).
Lines: 18
Posted: Thu May 17 20:51:34 1990

In article <12280006@hpspdra.HP.COM> henryb@hpspdra.HP.COM (Henry Black) writes:
->> 6600dong@ucsbuxa.ucsb.edu (Dong Hwan Kim) /  9:11 pm  May 14, 1990 /
->>Does the Ham-Radio license have to be renewed every certain years like
->> driver's license?
->
->Yup, but rules vary:
->
->    U.S.A.     Ten years      Presently no fee
->    U.K.       One year       UK Pounds 12
->
->Anyone care to add entries for other places please?

    Holland     One year       hfl 65,=   (about $35,=)

    For each exam the charge is hfl 65,=


Henk,  PA0HZP


From -3812532372689759360
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3df55b7ba5f1c6b9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-17 17:59:38 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!zaphod.mps.ohio-state.edu!
```

uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Why they just don't make 'em like t
Message-ID: <30500541@ux1.cso.uiuc.edu>
Date: 17 May 90 21:39:00 GMT
References: <7648@lynx.UUCP>
Lines: 20
Nf-ID: #R:lynx.UUCP:7648:ux1.cso.uiuc.edu:30500541:000:1011
Nf-From: ux1.cso.uiuc.edu!phil   May 17 16:39:00 1990
Posted: Thu May 17 22:39:00 1990

> Lots of people are already using scanners that have these features.
> They are using computer-controlled scanners! The ICOM R7000, R9000
> Yeasu FRG 9600, AOR ???? and probably other radios all have a nice
> computer (RS232 or thereabouts) interface.

But that does not yield a completely self contained portable scanner.

> I use an R7000. I have all the channels I want. In banks organized
> the way I want. I can set up scan-continue and delays to work exactly
> the way I want. I can auto-search over and over without logging the
> freqs I already know about. etc. etc.

Can you have it stay on the frequency as long as there is a signal for
up to 30 seconds, and have it stay after the signal is lost for up to
2 seconds? Does the computer get to control things at this level? Does
it get to know when a signal is present and gone instantly?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -3593527128897216111
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a8be3f02229c6b6c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-17 17:59:40 PST
Path: gmdzi!unido!mcsun!uunet!samsung!dali!rpi!uwm.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: 3rd Party Agreements
Message-ID: <30500542@ux1.cso.uiuc.edu>
Date: 17 May 90 21:45:00 GMT
References: <9005151506.AA04466@ti.com>
Lines: 9
Nf-ID: #R:<9005151506.AA04466@ti.com>:-27:ux1.cso.uiuc.edu:30500542:000:480
Nf-From: ux1.cso.uiuc.edu!phil   May 17 16:45:00 1990
Posted: Thu May 17 22:45:00 1990

I gather there are some unusual political problems with third party agreements. Last time I looked we had them with countries like Cuba and Nicaragua, but not with Great Britain or Germany. It seems to me that the biggest reason a country does not is the paranoia that it may lead to long distance telephone revenue losses.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 4053272407145099892
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a5a10ac54fa04b82,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-17 19:36:57 PST
Path: gmdzi!unido!mcsun!uunet!ingr!b11!herbster
From: herbster@b11.ingr.com (Joe Herbster)
Newsgroups: rec.ham-radio
Subject: Radio in Saudi-Arabia
Keywords: Need info & experiences
Message-ID: <8012@b11.ingr.com>
Date: 17 May 90 16:32:13 GMT
Organization: Intergraph Corp. Huntsville, AL
Lines: 8
Posted: Thu May 17 17:32:13 1990

I may be spending a long while in Saudi-Arabia real soon and would appreciate any information and experiences from anyone regarding the (slim) possibility of being able to operate while there. Also, I will be within driving distance of Bahrain, would it be possible to work from there when visiting on weekends??

Tnx, de km4jn

From 4039352210533055735
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ea2c0ac44d956f7f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-17 22:54:56 PST
Path: gmdzi!unido!mcsun!uunet!maverick.ksu.ksu.edu!zaphod.mps.ohio-state.edu!sunybcs!boulder!pikes!udenva!isis!nyx!whester
From: whester@nyx.UUCP (William R. Hester)
Newsgroups: rec.ham-radio
Subject: AEA Loop Antenna
Message-ID: <965@nyx.UUCP>
Date: 18 May 90 03:16:19 GMT
Reply-To: whester%nyx@isis.du.edu.uucp (William Hester)
Organization: Public Access Unix - University of Denver
Lines: 23
Posted: Fri May 18 04:16:19 1990

Several months ago I purchased the latest A.R.R.L. Antenna Book (blue cover, 1988 copywrite) and found a fasinating article on small loop antennas tuned remotely by a motorized capacitor at the high impedance point in the loop. This article is "Small High Efficiency Loop Antennas for Transmitting" on page 5-11 of the Antenna Book.

What was so special was the data listed for several sizes and the very high efficiencies claimed. Well, I hummed and hawed and was still "thinking" about possibly building one (if I could figure out a neat cheap way to build my own variable capacitor that could withstand the very high voltages developed across it)...when AEA advertised a small loop with remote tuning, etc.

So far I have not seen any prices...is this a real product...available for shippment?...or is AEA just testing the waters to see if there is any interest before starting production?

Anyway, has anyone actually built the antenna described in the Antenna Book? I
I'm considering it for use in an attic with foil backed fiberglass insulation used as the groundplane as described in the article.

Please post to this newsgroup. Thanks. Bill, N0LAJ, Denver

From 2053723176043295869
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95c67b013f6cda87,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,95c67b013f6cda87,start
X-Google-Attributes: gid105d97,public
X-Google-Thread: 103c3f,95c67b013f6cda87,start
X-Google-Attributes: gid103c3f,public
X-Google-ArrivalTime: 1990-05-18 01:09:15 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!psuvax1!psuvm!cunyvm!ndsuvm1!plains!bezenek
From: bezenek@plains.UUCP (Todd M. Bezenek KO0N)
Newsgroups: comp.sys.apple2,rec.ham-radio,sci.electronics
Subject: Need help with Apple2 146.76Mhz birdie (please).
Keywords: apple2, birdie, interference, rf, 146.76, clock
Message-ID: <4714@plains.UUCP>
Date: 18 May 90 02:42:39 GMT
Reply-To: bezenek@plains.UUCP (Todd M. Bezenek KO0N)
Organization: North Dakota State University, Fargo
Lines: 16
Xref: gmdzi comp.sys.apple2:2100 rec.ham-radio:11540 sci.electronics:6744
Posted: Fri May 18 03:42:39 1990

I have a neighbor with an Apple2. It emmits a strong signal on 146.76Mhz.
I have heard of this being a problem with all Apple2's, and know two other people who have a problem because of it.

If anyone has information on how to move the frequency of this signal, PLEASE send me email.

Thank you very much,

Todd M. Bezenek
--
Todd Michael Bezenek, KO0N
bezenek@plains.nodak.edu
UUCP: uunet!plains!bezenek
Bitnet: bezenek@plains
NU040889@ndsuvm1

From 5416927585626554712
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8efd48b33774023,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f74ae,e8efd48b33774023,start
X-Google-Attributes: gidf74ae,public
X-Google-Thread: 105d97,e8efd48b33774023,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-05-18 02:55:21 PST
Path: gmdzi!unido!mcsun!uunet!mstan!joec
From: joec@Morgan.COM (Joe Collins)
Newsgroups: rec.ham-radio,sci.astro,sci.electronics
Subject: Automated observatory, was Re: 60Khz time standard.
Message-ID: <981@ringwood.Morgan.COM>
Date: 17 May 90 18:39:09 GMT
Reply-To: joec@Morgan.COM (Joe Collins)
Organization: Morgan Stanley & Co. NY, NY
Lines: 16
Xref: gmdzi rec.ham-radio:11542 sci.astro:4182 sci.electronics:6745
Posted: Thu May 17 19:39:09 1990

In article <188@suprtek> jc@suprtek (John Cincotta 415 790 9382) writes:
>
> Hi. I am a member of Group 70 which is building a large amateur
>astronomical observatory. We eventually intend to have it completely
>automated (remote controlled ?) and need a very accurate clock for the
>observatory.

[stuff deleted]
John,
I cannot help with you your clock question but I wish to mention
that SKY AND TELESCOPE some 3-4 years ago (don't quote me) did an
article on a person in the southwest who built a completely
automated observatory on his property (in UTAH?). I don't
recall anything beyond that but suggest you ask S&T the details.
They may point you to who that individual is.
good luck,
joec@morgan.com

```
From -3658619043876779770
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,165b23a4c2654236,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-18 06:35:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpcc01!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Re: Need info on Kenwood Digital Code Squelch (TR3600A)
Message-ID: <24300003@col.hp.com>
Date: 17 May 90 14:32:25 GMT
References: <7137@orca.wv.tek.com>
Organization: HP Colorado Springs Division
Lines: 29
Posted: Thu May 17 15:32:25 1990

From: miker@porkface2.WV.TEK.COM / 10:44 am  May 16, 1990 /
I just picked up a Kenwood TR3600A with DCS.  I'd like to program a
paging function into my repeater using this technique.  Unfortunately,
the manual sez little about how this works.
  [stuff deleted]
I'm also interested in why the scheme never caught on.  I don't think
I've ever heard the digital bursts on the air.
----------

  Sorry, I can't help you with the technical info on DCS.

  I believe that it never caught because it was a single-vendor
  solution and one which did not allow easy upgrade/capatability
  with existing equipment.

  Kenwood has recently put a DTMF squelch system in the TH-26
  handitalkie. (ICOM has put this in a few rigs also.) This
  makes alot more sense to me. Anyone with a DTMF encoder can
  call you if they know the magic sequence.


--------------------------------------------------------------------
Bob Witte              HP Colorado Springs Division
bobw@col.hp.com        P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO  80901
Radio: KB0CY           Packet: kb0cy@w0lkd
"Ban all activities that I don't participate in...
 they are obviously non-essential."
--------------------------------------------------------------------


From 2720239664083594249
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4e2da0e570fea074,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1990-05-18 06:35:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!hpcuhb!hpda!hpcuhc!hpspcoi!mlau
From: mlau@hpspcoi.HP.COM (Mel Lau)
Newsgroups: rec.ham-radio
Subject: ** Another Novice Question **
Message-ID: <860002@hpspcoi.HP.COM>
Date: 17 May 90 17:24:51 GMT
Organization: HP PCG, Sunnyvale CA
Lines: 15
Posted: Thu May 17 18:24:51 1990

Hi,

I have a question I am hoping the HamNet can answer.

If you take the NOVICE test and pass can you immediatley take
the TECHNICIAN test, which I believe is just another written test ?

If you pass that can you immediately take the GEN test ?

thanks in advance,
Mel

Curious minds want to know,

From -8585262973409877076
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11942683b9f8fccb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-18 06:36:04 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: IC-24AT Receive Mods
Message-ID: <24300005@col.hp.com>
Date: 17 May 90 16:07:15 GMT
References: <24300004@col.hp.com>
Organization: HP Colorado Springs Division
Lines: 33
Posted: Thu May 17 17:07:15 1990

Following the frequency expansion modification (as specified by Icom), a sample IC-24 was recently tested for tuning range and input sensitivity for an S9 signal. While the sensitivity measurements should not be directly compared with the manufacturer's specifications (usually measured reference to a signal-to-noise quieting ratio), this "quick and dirty" data should give you a good idea of the sensitivity to a medium-strength signal.

Tuning Range	Mode	Band	Sensitivity for S9 Signal
74 - 107.995 MHz	(fm)	VHF range	approx 1 mV
108 - 136 MHz	(am)	VHF range	10 - 30 uV
138 - 240 MHz	(fm)	VHF range	1 uV - 1 mV (1)
250 - 302 MHz	(am)	VHF range	50 uV - 1 mV (2)
310 - 354.995 MHz	(fm)	VHF range	50 uV - 3 uV (2)
355 - 409 MHz	(fm)	UHF range	3 - 10 uV
417 - 490 MHz	(fm)	UHF range	1 uV - 100 uV (3)
805 - 955 MHz	(fm)	UHF range	10 - 100 uV

Notes:

(1) The sensitivity from 138 - 150 MHz was 1 uV. From 150 - 240, the sensitivity decreased almost linearly from 1 uV to 1 mV (with input voltage plotted logarithmically).

(2) The sensitivity increased almost linearly for both these ranges (with input voltage plotted logarithmically).

(3) The sensitivity plot looked like a "U" with the bottom of the "U" corresponding to the range 440 - 450 MHz (1 uV). The sensitivity then got worse below 440 and above 450.

(Tests courtesy of WB6GTM)

From 5393311045849644498
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d22681f4d8ca9f5b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-18 07:02:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!hpcuhb!hpsqf!hpqtdla!jdg
From: jdg@hpqtdla.HP.COM (James Gentles)
Newsgroups: rec.ham-radio
Subject: Re: Looking for 2m HT purchase advice.
Message-ID: <3430005@hpqtdla.HP.COM>
Date: 17 May 90 15:01:42 GMT
References: <10110001@hpislx.HP.COM>
Organization: HP, Queensferry Telecomms, Scotland
Lines: 27
Posted: Thu May 17 16:01:42 1990

Another vote for a IC02 AT/E as a good buy for a second hand HT

I have been using the European version IC02E for 5 years now. It has had a hard life, and has been a trusty companion. I use it for hill-walking and backpacking, its small enough and light enough to be a 'must' in the rucksack.
I have operated in rain, snow and temperatures from -10 to +30 degrees C.
The NiCd's had a bit of difficulty at -10. It is ruggedly constructed with

a metal back and anti moisture grommets on all the knobs.

Disadvantages: Only got 10 memories, repeater shift a pain to program, scanning is funeral procession speed.
Advantages: External DC/mic/speaker if you want. Standard ICOM batteries reasonable power (3W), good reports of audio from internal mic. Can extend receiver coverage to 138-163MHz.

73 de James

```
---------------------------------------------------------------------
Opinions expressed are my own, and are not intended to be an official
              statement by Hewlett-Packard Company
---------------------------------------------------------------------
Name:         James Gentles   GM4WZP
Organization: Hewlett-Packard  Queensferry Telecomunications Division
Email:        jdg@hpqtdla.hpsqf.hp.com                         hp-sdd
Address:      Station Road, South Queensferry, West Lothian, Scotland
---------------------------------------------------------------------
```

From 1460627818159765574
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11942683b9f8fccb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-18 07:03:23 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: IC-24AT Receive Mods
Message-ID: <24300004@col.hp.com>
Date: 17 May 90 15:54:21 GMT
Organization: HP Colorado Springs Division
Lines: 56
Posted: Thu May 17 16:54:21 1990

At the request of several interested hams, I am posting the modification instructions for the Icom IC-24AT. This set of instructions originated from Icom America and was downloaded from the Icom Library of HamNet (Compuserve).

Ken WA6TTY (kenw@col.hp.com)

IC-24AT Undocumented Features - (from ICOM)

The IC-24AT dual band handheld had three additional features that are not described in the owners manual. These have been left out of the owners manual because some countries restrict the use of the radio in these modes.

AM AIRCRAFT RECEIVE PLUS 740 to 960 MHz RECEIVE

Remove D13 from the main logic board (this diode may already be removed by ICOM in some units). This diode may already be removed in some radios. D13 is on the main logic board and is a discreet diode (one of the two in the radio) near the center of the board. It is the left discreet diode of the two on the board when the radio is open and held with the controls away from you.

Simultaneously hold "Light", "B", and "#" keys depressed and turn power on.

It is important to note that the radio will not meet specification on the out of band receive frequencies that are enabled with this modification.

DIRECT KEYBOARD ENTRY of 100 MHz FREQUENCY

Simultaneously hold "Light" and "3" keys depressed and turn power on.

CROSS BAND REPEAT (simplex)

Remove D14 from the main logic board (this diode may already be removed by ICOM in some units). The diode is a discreet diode to the right of D13 (from above) and directly beside it.

Simultaneously hold "Funct" depressed and push "C".

To turn on cross band repeat:
Hold "Funct" depressed then push "5" and then push "D".

To turn off cross band repeat simultaneously hold "Funct" and "D" depressed.

2-14-90

From -617608989781592061
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,781fbba7065cf176
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-18 07:13:45 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!haven!udel!rochester!rit!ultb!wlw2286
From: wlw2286@ultb.isc.rit.edu (W.L. Ware)
Newsgroups: rec.ham-radio
Subject: Re: New Wide Band Scanner (hand Held)
Keywords: Good Bye ICOM, Hello AOR
Message-ID: <3174@ultb.isc.rit.edu>

Date: 17 May 90 23:36:57 GMT
References: <1598@raybed2.msd.ray.com> <1990May16.202509.2429@ncsuvx.ncsu.edu>
Reply-To: wlw2286@ultb.isc.rit.edu (W.L. Ware)
Organization: Information Systems and Computing @ RIT, Rochester, New York
Lines: 11
Posted: Fri May 18 00:36:57 1990

Does anyone know if the 600-805 MHz is recoverable?

What are the specs on the Icom?

Lance

```
--
************************************************************************
*W.L.Ware                                             LANCEWARE SYSTEMS*
*WLW2286%ritvax.cunyvm.cuny.edu                    Value Added reseller*
*WLW2286%ultb.isc.rit.edu                          Mac and IBM Access. *
```

From 7923383350701386102
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a56a1b7fdee39116,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9532,a56a1b7fdee39116,start
X-Google-Attributes: gidf9532,public
X-Google-ArrivalTime: 1990-05-18 07:13:54 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!uakari.primate.wisc.edu!aplcen!haven!udel!rochester!rit!ultb!wlw2286
From: wlw2286@ultb.isc.rit.edu (W.L. Ware)
Newsgroups: rec.ham-radio,misc.wanted
Subject: Need Schematic for DTMF Decoder
Keywords: DTMF
Message-ID: <3175@ultb.isc.rit.edu>
Date: 18 May 90 00:14:44 GMT
Followup-To: rec.ham-radio
Organization: Information Systems and Computing @ RIT, Rochester, New York
Lines: 15
Xref: gmdzi rec.ham-radio:11549 misc.wanted:4360
Posted: Fri May 18 01:14:44 1990

I am interested in building a DTMF decoder with either an Alph-Numeric Display, or single leds for each digit. The device will need to hold each digit for 1 second, although I would prefer a large display that would hold 10 digits.

Lance

I am not adverse to buying one for a REASONABLE price, either new or used.

```
--
************************************************************************
```

```
From -8963579231531442940
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bd44508b6d00712c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-18 08:04:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!
ucbvax!ROSEVC.Rose-Hulman.EDU!EE469APROF
From: EE469APROF@ROSEVC.Rose-Hulman.EDU
Newsgroups: rec.ham-radio
Subject: Hustler on a conversion van
Message-ID: <9318F23B659F200C03@ROSEVC.Rose-Hulman.Edu>
Date: 17 May 90 15:15:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Thu May 17 16:15:00 1990
```

I am planning to mount a Hustler h. f. antenna on the ladder that runs up the back door of my full size GMC conversion van.

Some have said, "Don't do it!". Their reasons vary

I would like to hear from anyone who can give me any information/tips/warnings about this.

TNX ES 73 DE K9CUN

```
From -5515775181779778693
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eeeba3c582b96a88,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-18 08:04:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
MTS.RPI.EDU!Joel_Glickman
From: Joel_Glickman@MTS.RPI.EDU
Newsgroups: rec.ham-radio
Subject: Modem to Packet
Message-ID: <1820962@MTS.RPI.EDU>
Date: 17 May 90 16:36:22 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Thu May 17 17:36:22 1990
```

While the subject of Internet->Packet gateways is floating around netland, perhaps this is a good opportunity to ask people's views about a Modem->Packet server. I have set one of these up whereby I can call in from a terminal on a phone line and access my station. I have also allowed other ham friends to do the same. I believe it is legitimate remote operation when *I* am operating with my callsign from a remote terminal. Is it within the regs to allow fellow hams to access this system and use their callsigns on my TNC to connect to packet BBS's... etc..??

From -1339382003321764659
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe399983e5fc855c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-18 08:04:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!WPAFB-AMS1.AF.MIL!bob%50781.decnet
From: bob%50781.decnet@WPAFB-AMS1.AF.MIL ("50781::BOB")
Newsgroups: rec.ham-radio
Subject: Dayton linked repeaters
Message-ID: <9005180704.AA13170@ucbvax.Berkeley.EDU>
Date: 17 May 90 20:48:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Thu May 17 21:48:00 1990

The repeater set you are probably thinking of is the 145.19. It is linked as far west as Indy, and I think, maybe as far east as Akron? Maybe just Columbus. It does strech down into Kentucky. It is nice on the road. I believe the net is managed by the Fairfield (OH, Near Cincinatti) club.

Bob, N5GNA
In Dayton.

From -2096308812575496261
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8a2df3e0bcc281f7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-18 08:04:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!SACEMNET.AF.MIL!lwrclmr
From: lwrclmr@SACEMNET.AF.MIL ("LWRCLMR")
Newsgroups: rec.ham-radio
Subject: Armed Forces Day Communications Test
Message-ID: <9005180704.AA13218@ucbvax.Berkeley.EDU>
Date: 17 May 90 22:09:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 138
Posted: Thu May 17 23:09:00 1990

Per a previous request, here is the Armed Forces Day Frequency info:

Military Stations:

AAE
Army MARS Radio Station
Fort Sam Houston, TX

NPL
Naval Communication Station
San Diego, CA

AAH
Army MARS Station
Fort Lewis, WA

NMH
Coast Guard Radio Station
Alexandria, VA

AIR
2045 Communications Group (USAF)
Andrews AFB, MD

NMN
Coast Guard Communications Station
Portsmouth, VA

NAM
Naval Communications Area
Master Station LANT
Norfolk, VA

NZJ
Marine Corps Air Station
El Toro, CA

NAV
HQ Navy-Marine Corps
MARS Radio Station
Cheltenham, MD

WAR
HQ, Army MARS Radio Station
Fort Derrick, MD

NPG
Naval Communications Station
NTTC Mare Island
Vallejo, CA

TRANSMITTING TEST: Military stations will transmit on the below listed frequencies and announce the specific amateur band frequency being monitored.

FREQ	MODE	STATION	FREQ	MODE	STATION
4005.5	USB	NAM	13975.5	CW	NPG
4015.0	CW	NMH	13986.5	RTTY	AIR
4018.5	LSB	WAR	13994.5	USB	AAE
4025.0	LSB	AIR	13997.5	CW	AIR
4030.5	LSB	AAE	14375.0	USB	NPG
4033.5	LSB	AAH	14385.0	USB	NPL
6970.0	CW	NPG	14389.5	USB	NAV
6988.0	RTTY/CW	AAH	14400.0	USB/ CW/RTTY	NAM
6995.5	CW	AIR	14403.5	USB	WAR
6998.5	CW	WAR	14408.0	USB	AIR
7301.5	LSB	NPG	14440.0	RTTY	NMH
7315.0	LSB	AIR	14480.0	USB	NZJ
7346.5	LSB	NMH	14488.5	USB	AAH
7358.5	LSB	AAE	14511.5	RTTY/CW	AAE
7365.0	CW	NPG	20937.5	USB	NMH
7372.5	RTTY	NAV	20975.0	USB	AAH
7375.0	RTTY	NZJ	20994.5	USB	WAR
7382.5	RTTY	NPL	20625.0	USB	NPG
7393.0	LSB/ RTTY/CW	NMN	24805.0	CW	NPG
10180.0	RTTY/CW	WAR	27820.0	USB	AAH
10259.5	CW	NPG	27950.0	USB	NPG
13927.5	RTTY	NPG	27992.5	USB	AAE

RECEIVING TEST:
The CW/Phone/RTTY broadcast will begin with a 10 minute tuning call and will precede each trans mission. The CW test will be transmitted at 25 words per minute beginning at 0300 UTC May 19. The phone/RTTY broadcast will begin at 0345 UTC May 20 and transmit at 20 wpm using 170 Hz shift. Both broadcasts will be transmitted from the stations below:

AAE: 4018.5, 6988.0, 9990.0
AAH: 4021.5, 7309.5, 13994.5
AIR: 6995.5, 13997.5
NAM: 4005.0, 7393.0, 14400.0
NAV: 7372.5, 14389.5
NPG: 7365.0, 13975.5, 24805.0
WAR: 4030.5, 6998.5, 14403.5

SUBMISSION OF TEST ENTRIES:
Transcripts of the CW/Phone/RTTY receiving tests should be submitted "as received". No attempt should be made to correct possible transmission errors. The time, frequency, and call sign of the military station copied as well as the name, callsign and address of the person submitting the entry must be included on the page containing the test message. Entries must be postmarked no later than May 27, and submitted to therepective military commands as follows:

STATION COPIED	ADDRESS
AIR	Armed Forces Day Test 2045 CG/DOJM

Andrews AFB, MD
20331-6345

AAE, AAH, WAR
Armed Forces Day test
Commander, USAISC
ATTN: ASOP-HF
Fort Huachuca, AZ
85613-5000

NAM, NAV, NPG
Armed Forces Day Test
Naval Communication Unit
Washington, DC
20397-5101

The above information was extracted from the May 11, 1990 issue of the AFCC Intercom, the newspaper of the Air Force Communications Command.

My apologies that I didn't get this uploaded sooner.
Good luck in the Armed Forces Day test.

PLEASE REMEMBER: DO NOT TRANSMIT OUTSIDE OF THE AMATEUR BANDS.
THE MILITARY STATIONS WILL BE ANNOUNCING WHAT FREQUENCIES THEY WILL BE LISTENING TO WITHIN THE AMATUER BANDS. THIS WILL NORMALLY BE IN THE LOWER PORTION OF THE GENERAL CLASS BANDS.

73,
Michael, WA7SKG

From 4671891204722166942
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f6f9c3699193f353,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-18 08:05:23 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!UWPLATT.EDU!UCSBPM
From: UCSBPM@UWPLATT.EDU ("Brian P. McCarty ", N9IWP)
Newsgroups: rec.ham-radio
Subject: Looking for a dual band HT + misc
Message-ID: <92AA2D589A9F201E5F@uwplatt.edu>
Date: 18 May 90 04:28:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 41
Posted: Fri May 18 05:28:00 1990

First, a little background:
I recently (hopefully) graduated*, and I was going to buy myself a TS-440 with antenna tuner, but since I don't have a real job yet (hint hint)

I am probably going to buy a 2m/70cm HT.

* I participated in the ceremony, but I don't have that BSEE until the postman visits with the diploma in hand [with my luck, it will be delivered to Madagascar or Pitcairn Island :)]

The point:I already know quite a lot about the "big 3"'s offering for dual band HT's, but I am curious about Alinco's DJ-500T (I think). Does anyone here have one? Know where I can find a review? Any opinions? [It's significantly cheaper and has a 2yr warrantee]. How about any other dual band HT's out there? I am staying here in rural Wisconsin, nearest repeater 25 miles away {if you don't count our schools that isn't yet up}. 2m is certainly not crowded, and 70cm (I believe) is practically non-existent. However, there is enough 70cm stuff on the trip home to warrant a dual band HT (IMHO). Besides, I'll be living somewhere else in August.

Please E-mail, unless you think your comments deserve a post. I'll post a summary if there is significant replies.

To the person who set up the mail-access callbook: A giga-blessing on you and your kin! Some of us don't have telnet, and you saved our club $$ (since we don't need a callbook now). Suggestions: Updated list, DX calls, and search by name (ya, I know, all hard to implement but one can dream)

Oh, as part of my graduation present, I got the CQ antenna manual, and I opened it up to see an arcticle by "our very own" Patty Winter (N6BIS).It's always neat to see an arcticle by a name you recognize.

Thanks for any input about the radio

Brian P. McCarty, N9IWP
internet:UCSBPM@UWPLATT.EDU
bitnet:UCSBPM@UWPLATT

"Nearly graduated and have the empty diploma holder to prove it!"

From 549400220680021451
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d894689e3a83c26a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-18 08:36:30 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!uakari.primate.wisc.edu!xanth!mka
From: mka@cs.odu.edu (Mark K Arquette)
Newsgroups: rec.ham-radio
Subject: Crossed Field Antennas
Keywords: CFA antennas
Message-ID: <12559@xanth.cs.odu.edu>
Date: 18 May 90 14:22:15 GMT
Organization: Old Dominion University, Norfolk, Va.

Lines: 7
Posted: Fri May 18 15:22:15 1990

I just caught the end of this discussion where the is a reference to a 40m antenna that is made of tinfoil covered dry milk cans ...? I would like to see any info on this but none of the earlier messages are still on our system. Could someone please summarize this for the net or send me any references that I could look up. Or if anyone has the other messages that made up this thread could they email them to me? Thanks in advance for any help.

From 4788058938349782799
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,781fbba7065cf176
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-18 08:39:46 PST
Path: gmdzi!unido!mcsun!hp4nl!ruuinf!praxis!edwin
From: edwin@praxis.cs.ruu.nl (Edwin Kremer)
Newsgroups: rec.ham-radio
Subject: Re: New Wide Band Scanner (hand Held)
Keywords: Good Bye ICOM, Hello AOR
Message-ID: <3298@ruuinf.cs.ruu.nl>
Date: 18 May 90 15:03:38 GMT
References: <1598@raybed2.msd.ray.com> <1990May16.202509.2429@ncsuvx.ncsu.edu>
Sender: news@ruuinf.cs.ruu.nl
Lines: 39
Posted: Fri May 18 16:03:38 1990

In article <1598@raybed2.msd.ray.com> ewb@raybed2.msd.ray.com (EUGENE BALINSKI) writes:

| >NEW AOR SCANNER
| >1000 Channels, 8-600 and 805-1300 MHz
| >Continuous coverage (except for 600-805 MHz UHF TV)

Hey, is this the same company that made the wonderful AOR 2001 and AOR 2002 scanners??
I was very charmed by these two scanners, they only lacked a lot of memory channels, but it looks like AOR has learned. Very interesting! If this is the same company, I'd like to know more, maybe Michael (see below) is willing to post some first impressions...

In article <1990May16.202509.2429@ncsuvx.ncsu.edu> garvin@ccvr1.ncsu.edu (Michael A. Garvin) writes:

| FYI, I ordered one today from Grove. They have them for $459, and they
| are in stock and shipping.

Ah, an experienced user by now, I think ;-)
I'd love to hear your opinions on it. I'm pretty much interested in how it performs in the following frequency ranges:

```
68-88    VHF low, NFM
108-136 Air band, AM
```

200-400	Military Air Band, AM
440-512	UHF, NFM

Of course, there's a big difference in for what services frequencies are used in the USA and over here in the Netherlands, but maybe you can tell something about it anyway.

thanks for your time,
--[Edwin]--

--
Edwin Kremer (SysAdm), Dept. of Computer Science, Utrecht University
Padualaan 14,   P.O. Box 80.089, 3508 TB Utrecht, The Netherlands
Telephone: +31-30-534104 | UUCP: ...!uunet!mcsun!hp4nl!ruuinf!edwin
Telefax : +31-30-513791 | Email: edwin@cs.ruu.nl   [131.211.80.5]

From -5630224233625461192
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a56a1b7fdee39116
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-18 09:53:48 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!newstop!sun!enterprise!kirk
From: kirk%enterprise@Sun.COM (`Captain' Kirk DeHaan)
Newsgroups: rec.ham-radio
Subject: Re: Need Schematic for DTMF Decoder
Message-ID: <135936@sun.Eng.Sun.COM>
Date: 18 May 90 16:05:23 GMT
References: <3175@ultb.isc.rit.edu>
Sender: news@sun.Eng.Sun.COM
Lines: 34
Posted: Fri May 18 17:05:23 1990

From article <3175@ultb.isc.rit.edu>, by wlw2286@ultb.isc.rit.edu (W.L. Ware):
> I am interested in building a DTMF decoder with either an Alph-Numeric
> Display, or single leds for each digit. The device will need to hold
> each digit for 1 second, although I would prefer a large display that
> would hold 10 digits.
>
> Lance
>
> I am not adverse to buying one for a REASONABLE price, either new or
> used.
>
> --
> **
> *W.L.Ware   LANCEWARE SYSTEMS*
> *WLW2286%ritvax.cunyvm.cuny.edu   Value Added reseller*
> *WLW2286%ultb.isc.rit.edu   Mac and IBM Access. *

Why make one? There is a DTMF decoder chip, SSI202, that does it all for you. All this in a 18 pin package. You supply the audio in and it produces a BCD output on 4 pins plus some other control lines.

There is a construction article in one of the old QST mags I have that
has most of what you want. I don't have the month/year of the issue but
can look for it if you are interested.

The circuit is a simple DTMF actuated controller. You can turn on LEDs, relays
and just about anything else you want. It uses flip-flops to store the incoming
DTMF digits. Once the proper sequence has been passed it will activate the
corresponding device.

```
 'Captain' Kirk DeHaan                    net - kirk@sun.com
  Sun Microsystems Inc.                   packet - n6sxr.ampr.org
                                cis - 73427,1657
```

From 2889287371464476372
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,932aae2cd5fd084c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,932aae2cd5fd084c
X-Google-Attributes: gid105d97,public
X-Google-Thread: f74ae,932aae2cd5fd084c
X-Google-Attributes: gidf74ae,public
X-Google-ArrivalTime: 1990-05-18 11:11:31 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!gvgpsa!gold!grege
From: grege@gold.GVG.TEK.COM (Greg Ebert)
Newsgroups: rec.ham-radio,sci.astro,sci.electronics
Subject: Re: 60Khz time standard.
Keywords: 60Khz NIST
Message-ID: <998@gold.GVG.TEK.COM>
Date: 18 May 90 15:56:48 GMT
References: <188@suprtek>
Organization: Grass Valley Group, Grass Valley, CA
Lines: 13
Xref: gmdzi rec.ham-radio:11560 sci.astro:4184 sci.electronics:6751
Posted: Fri May 18 16:56:48 1990

In article <188@suprtek> jc@suprtek (John Cincotta 415 790 9382) writes:
>
>   Hi. I am a member of Group 70 which is building a large amateur
>astronomical observatory. We eventually intend to have it completely
>automated (remote controlled ?) and need a very accurate clock for the
>observatory.
>

NBS transmits 5, 10, and 15 (or is it 10, 15, 20 ?) Mhz signals which
are reputed to be THE time standard. Broadcasts are from Boulder, CO,
(WWVB), Hawaii (WWVH), and Idunno, (WWVL). They have an amplitude-
modulated tone (1Khz I think) and maybe some other stuff. Heathkit
(I'm not advertising for them) sells a "most accurate clock" kit which
will spit-out the time on a serial port for your computer's enjoyment.

From 709100108020803926З
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,932aae2cd5fd084c
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,932aae2cd5fd084c
X-Google-Attributes: gid105d97,public
X-Google-Thread: f74ae,932aae2cd5fd084c
X-Google-Attributes: gidf74ae,public
X-Google-ArrivalTime: 1990-05-18 11:18:32 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!hobbes
From: perley@hobbes (Donald P Perley)
Newsgroups: rec.ham-radio,sci.astro,sci.electronics
Subject: Re: 60Khz time standard.
Keywords: 60Khz NIST
Message-ID: <7781@crdgw1.crd.ge.com>
Date: 18 May 90 17:25:21 GMT
References: <188@suprtek> <998@gold.GVG.TEK.COM>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@hobbes (Donald P Perley)
Followup-To: rec.ham-radio
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 26
Xref: gmdzi rec.ham-radio:11561 sci.astro:4186 sci.electronics:6753
Posted: Fri May 18 18:25:21 1990
In-reply-to: grege@gold.GVG.TEK.COM (Greg Ebert)

In article <998@gold.GVG.TEK.COM>, grege@gold (Greg Ebert) writes:
>In article <188@suprtek> jc@suprtek (John Cincotta 415 790 9382) writes:
>>
>>   Hi. I am a member of Group 70 which is building a large amateur
>>astronomical observatory. We eventually intend to have it completely
>>automated (remote controlled ?) and need a very accurate clock for the
>>observatory.
>>
>   NBS transmits 5, 10, and 15 (or is it 10, 15, 20 ?) Mhz signals which
>   are reputed to be THE time standard. Broadcasts are from Boulder, CO,
>   (WWVB), Hawaii (WWVH), and Idunno, (WWVL). They have an amplitude-
>   modulated tone (1Khz I think) and maybe some other stuff. Heathkit
>   (I'm not advertising for them) sells a "most accurate clock" kit which
>   will spit-out the time on a serial port for your computer's enjoyment.

I may stick my foot in my mouth here, but John Cincotta said he needed accuracy better than 300 microseconds. That means (assuming everything else is ideal) that you need to know the signal path length to within 90 kilometers. That may be a problem on frequencies where propagation may be by skip. Here is the part where I guess that a VLF signal is guaranteed to be arriving by ground wave so you just need to know the distance to the transmitter.

-don perley

perley@trub.crd.ge.com

```
From -1503249778955444295
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2383db3e0dcfb08a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-18 11:47:28 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!oliveb!amdahl!twg.com!
obelix!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: Re: Strange Call Signs
Message-ID: <6282@gollum.twg.com>
Date: 18 May 90 16:38:32 GMT
References: <9004242215.AA02030@ti.com> <1250157@hpnmdla.HP.COM>
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 23
Posted: Fri May 18 17:38:32 1990

In article <1250157@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) pokes
a little fun at some of the strange CW call signs he has encountered:
>
>I suppose that a morse code fan would have liked being assigned my call:
>WA2ISE    all dits in the suffix!   .. ... .
>
>My favorite is the (at one time) very active contest station WB5EEE
>(known in some circles as "WB5S").  After the first dash in the "B", it's
>all dits:  .__ _... ..... . . .
>
>There used to be an operator at W1AW with the call WA9HHH.  On CW, this
>sounds like the error signal.   .... .... ....
>
I can go you one better.  I got baffled one night in a pile-up trying to
track the DX station's listening frequency (he was operating split).  Finally
I found out why:  there was a station hard at it in there with the call AA5NN!
A few weeks later I met the proud owner of this call and discovered it was
a very pleasant and friendly YL, Linda.  Well, as we got to chatting, Linda
told me she was a CW-only op, and had moved up to extra largely in the hopes
of getting a decent CW call.  You see, her general call had been N5DWN, and
every time she answered somebody they would QSY down 5.  I guess this shows
that the FCC, just like lightening, DOES strike twice in the same place.
                                  de AA6KX
```

```
From 6705425111062124162
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,781fbba7065cf176
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-18 12:56:48 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!
elroy.jpl.nasa.gov!ames!uhccux!hokulea!doug
From: doug@hokulea.hig.hawaii.edu (Doug Myhre)
```

Newsgroups: rec.ham-radio
Subject: Re: New Wide Band Scanner (hand Held)
Keywords: Good Bye ICOM, Hello AOR
Message-ID: <7765@uhccux.uhcc.hawaii.edu>
Date: 18 May 90 19:07:32 GMT
References: <3174@ultb.isc.rit.edu>
Sender: news@uhccux.uhcc.hawaii.edu
Reply-To: doug@loihi.soest.hawaii.edu (Doug Myhre)
Organization: University of Hawaii, Honolulu
Lines: 17
Posted: Fri May 18 20:07:32 1990

In article <3174@ultb.isc.rit.edu> wlw2286@ultb.isc.rit.edu (W.L. Ware) writes:
>What are the specs on the Icom?

The ICOM IC-R1 handheld receives 0.1 - 1300 MHz in AM, FM, & WFM. It only
has 100 memories. I was a little disappointed in this. I've filled up
the 400 channels in my pro-2004 and made the modification to make it a
6400 channel scanner [This should do me for a while :-)]. The R1 is
1.9"W x 4.0"H x 1.4"D & has a 24 hour clock & rotary tuning (the first
handheld to have this I believe).

```
*==================================================*
*  Douglas Myhre   <doug@loihi.soest.hawaii.edu>  *
*  Hawaii Institute of Geophysics                  *
*  Research Computing Facility                     *
*  2525 Correa Rd.                                 *
*  Honolulu, HI 96822           (808) 948-8713   *
*==================================================*
```

From -1361764229511470112
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb43564dd6189d0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-06 22:07:57 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!helios!drycas.club.cc.cmu.edu!taxman
From: taxman@drycas.club.cc.cmu.edu
Newsgroups: rec.ham-radio
Subject: Magazine for scanners and mods
Message-ID: <5243@helios.TAMU.EDU>
Date: 7 May 90 05:31:09 GMT
Sender: usenet@helios.TAMU.EDU
Reply-To: taxman@drycas.club.cc.cmu.edu
Organization: Scorched Earth Software- Dallas Texas
Lines: 10
Posted: Mon May 7 06:31:09 1990

Is there a magazine that I can buy at a newsstand that would have info
on scanners and modifications thereof. I have and old Bearcat 210 that
Id like to teach some new tricks.

Thanks...

Mike...Ya know it! Taxman@Drycas Taxman@Drycas.Club.Cc.Cmu.Edu
Drycas::Taxman !Uunet!Drycas.Club.Cc.Cmu.Edu!Taxman
Aj696@Cleveland.Freenet.Edu Mike.Wommack@Samba.Acs.Unc.Edu
How ya gonna dis me when ya don't even know me?

From -4343793004176816078
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a04655f159d8cb9e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-06 23:53:49 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!network.ucsd.edu!brent
From: brent@network.ucsd.edu (Brent Jones)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TH-75A mods
Message-ID: <2394@network.ucsd.edu>
Date: 7 May 90 06:40:04 GMT
References: <40771@apple.Apple.COM>
Organization: Society to Reunite Gondwanaland.
Lines: 46
Posted: Mon May 7 07:40:04 1990

In article <40771@apple.Apple.COM> pvh@Apple.COM (Pete Helme) writes:
>Could someone please send me the details on how to modify the Kenwood TH-75A
>dual band radio for out of band receive etc.?
>
>Thanks,
>
>Pete

The TH75 mod is pretty easy to perform. It might help to have the service manual handy to reference against the board layout diagrams on page 54.

Remove the front panel of the radio by removing the two screws next to the PTT switch, one screw on the opposite side of the radio, and the two front screws of the battery plate. Looking at the inside front cover, the lithium battery is at the top and the CPU just below that. Near the bottom left corner of the CPU is a short jumper wire. Using this as a reference, locate two surface mount diodes directly above the wire on the board. They are d3 and d4 from bottom to top.

```
              D4 ---|  cpu
              D3 ---|
     jumper wire>  |____   ---------
            W1                |||||||
```

D4 connects to the second pin from the bottom on the left of the CPU.
- Remove d4.

- Also cut the jumper wire. It's labeled W1 in the service manual.

This will give receive and transmit capability over the entire VCO locking range; 136 to approx 168 on 2M, and 385 to approx 455 on UHF. I did not try re-tuning the VHF VCO since that range seemed sufficient. On UHF though, I moved the range upward on my radio to cover from 430 to 473MHz; a little bit more useful segment. Getting to the VCOs to tweak on them is a bitch though, and I do not recommend trying it without the service manual. You will find also that you'll want to re-align the UHF front end if you plan on any serious work above 455MHz. The radios come tuned for the 430 to 450 range, and as such, sensitivity dropped to worse than 10uV at 460MHz. A little tweaking on L242 and L243 band pass filters solved that problem.

Happy out-of-banding!

Brent Jones, KB1UK (former KC4AAA)

From -2844531222497992319
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,90d568397c00c977,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-07 00:53:43 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!WIDENER.BITNET!DXANDY
From: DXANDY@WIDENER.BITNET
Newsgroups: rec.ham-radio
Subject: More Questions and a Couple of Comments
Message-ID: <5A0506150428006E-MTABWIDENER*DXANDY@widener>
Date: 7 May 90 02:50:49 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 35
Posted: Mon May 7 03:50:49 1990

Hello All!
I would like to thank everyone who replied to my last batch of questions. Your advice was invaluable. I have another couple of questions that I would like to ask. I got a lot of replies from people who thought that the Kenwood TS-440S with the automatic antenna tuner was probably the best buy. When I buy a linear amp, I assume that I can no longer use the tuner in the rig since it can only handle 100W and it will be in the wrong place anyway. I am right?

My other question reguards satelite operations; I read an article in the ARRL handbook about using the OSCAR satelites and it sounded very interesting. The information was a bit out of date and it didn't mention whether there were any satelites in geostationary orbit. What kind of equipment is needed to track satelites that aren't in a geostationary stationary orbits; and is this easy to do?

And now for the promised comments! I have read a lot of postings from hams concerned about the future of Amateur Radio. There is a lot of talk about the "no-code" license to encourage new hams to get on the air. I don't think this will have that much of an effect. I don't think Morse is that hard to learn, all it takes is a little time. I think the biggest factor stopping people from becoming hams is that most people have absolutely no idea what Amateur Radio is.

Both the ham stores in my area are not easy to find. So noone will just stop by just have a look, because you can't see them from the road. You very rarely see any mention of Amateur Radio on the television. I think that if Amateur Radio had a higher public profile, then there wouldn't be the need for lowering the standards to get more people interested.

Another thing that concerns me is the volume of insults that see to fly around airwaves at various times. For some reason, most of this seems to go on on the 20m band (I don't know if it is me, or whether it happens on other bands and I haven't noticed). This cannot do the service any good at all. If you want to attract people to the service, then there has to be a serious effort to curb this kind of behaviour.

Andy Greenshields [dxandy@widener.BITNET]

From 4437873983254854902
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d7f3d95879d09f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-07 06:49:08 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!rutgers!mcnc!decvax.dec.com!zinn!ubbs-nh!noel
From: noel@ubbs-nh.MV.COM (N. Del More)
Newsgroups: rec.ham-radio
Subject: Mods/Info For Yaesu FT-470 Wanted
Message-ID: <4383@ubbs-nh.MV.COM>
Date: 6 May 90 21:17:14 GMT
Organization: Business Integration & Office Systems - Nashua, NH
Lines: 16
Posted: Sun May 6 22:17:14 1990

Just picked up a couple FT-470's for myself and the spouse who just got her ticket a few weeks ago (N1HMW).

I really like the radio and am curious if it has additional capabilities.

To make a long story much shorter, if you have any mods or other information concerning this piece of equipment I would appreciate hearing from you and/or receiving it.

Thanks!
Noel
KC1RB

```
--
Noel B. Del More            |                            decvax!ubbs-nh!noel
17 Meredith Drive           |                            noel@ubbs-nh.mv.com
Nashua, New Hampshire  03063 | It's unix me son!  `taint spozed tah make cents
```

From -5655898194892309991

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ba856d3097d2e05e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-07 09:30:23 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: QST article?
Summary: crystal grinding, shaving; the old folks know!
Message-ID: <49@thoreau.nsc.com>
Date: 7 May 90 13:49:50 GMT
References: <56500004@uxa.cso.uiuc.edu>
Organization: National Semiconductor, S. Portland, Maine
Lines: 113
Posted: Mon May 7 14:49:50 1990

In article <56500004@uxa.cso.uiuc.edu>, aaa33750@uxa.cso.uiuc.edu writes:
>
> If it`s possible, and there`s an article on it, is there a file someplace
> to grep to find the issue of QST that would have an article on crystal
> shaving?
> (What good would computers be if I had to use the Readers` Guide or had to
> thumb through a couple dozen index issues:-)
> pse e-mail aaa33750@uxa.cso.uiuc.edu or a-arnett1@uiuc.edu
> tnx
> .

Don't know if there's an index on the net but what you want is real ancient history. I did some grinding back in the 50's to get a couple of rocks into the Novice bands (we use to be limited to Xtal control and 75 watts dc input then)!

I assume you have some FT-243 crystals or the old Blailey mounts in mind; these hermetics are a bear to work on, particularly the HC-18's and the little watch bar blanks. The mounted rocks are the easiest to work on, the hermetics usually have the electrical contacts plated on so you can't make them go very far. You mostly take material off a crystal, that makes the frequency go up. You can put a little pencil lead on to bring the frequency down but that usually ruins the stability and can "wear-off" after a while. In any case the activity often suffers from any work you do on the blanks.

If you are still of a mind to do this kind of work here is what I know. (damn little compared to some of the old masters)

Materials:

    a piece of FLAT 1/4th inch plate glass 9" x 9" is a good size
    some carborundum or diamond dust, grade 600 or 1200 grit is best
    distilled water
    solvent alcohol
    a cookie sheet
    several small cleaning dishes
    a CLEAN place to work

Procedure:

Remove the blank from the mount. For the FT-243 holders this can be done with a small screw driver. Take note of the assembly sequence so you can remount when needed. For the hermetic rocks you first unseal the can at the evacuation hole using a small soldering iron then unsolder the can around the base; be careful not to crack the base.

For the plane blanks you can grind the face but for the plated blanks as are more common now you have to grind the edges. The difference here is that you can move a blank further by grinding a face than you can by grinding the edges. If you are working with plane blanks and only need to move it a few hundred hertz then try cleaning the blank first and remounting it before you go to work, make note of the starting frequency and ending frequency. To clean, first rinse off in the distilled water and blow dry, then a couple of dunks in the alcohol and dry again. If you have access to an utlrasonic bath these are great for cleaning. One thing to mention is once the blank is clean DON'T TOUCH it with your hands. I guess you could use CLEAN rubber gloves or a pair of tweezers with a bit of neoprene on the tips to handle the blank. The reason for cleanlieness is that any dirt on the blank will lower the frequency and reduce the activity of the crystal.

As you reassemble the blank and holder (you did clean the holder too didn't you?) you can move the frequency by changing the spring tension of the holder though don't try to move it too much.

Now comes the real messy work. To really move a crystal blank you need to take material off the blank or put it on. Make a few pencil marks on the surface of the blank near the center to lower the frequency. Grinding material off the blank (face or edge) raises the frequency. Make a slurrey of the grinding powder and water, some people use a bit of "terps" to keep it from drying out. Put about 1/4th teaspoon of powder on the face of the plate glass and add a couple drops of water and mix to form a light paste about the consistancy of tomatoe soup or a little lighter.

If you are grinding the edges then determine the current angle of the edge and try to keep the blank at that angle all during the work. The plated blanks have usually been touched a bit and so have a flat spot on the edge, work there. Use straight strokes through the slurrey which you have spread thinly over the working area of the plate glass. Maintain constant pressure and angle while you work. Stroke parallel to the edge of the blank. After a 5 or 10 strokes on the edge clean up the blank and remount the crystal to check how far you've moved the frequency. Do this a few times until you know how many hertz per stroke you are getting out of this blank. Each blank will move at a different rate so forget about any rule of thumb.

Now if you are bolder you will be grinding the face of the blank. You need to work out how to hold the blank flat and parallel to the surface. A small piece of plate glass about 2" square will probably work. Spread out the slurrey with one face of the small holder glass, get things as even as you can. You may need more slurrey to evenly cover the holder glass. You don't want too much slurrey, only enough to be about as thick as the blank. Place the blank in the center of the slurrey, put the holder glass on top and maintaining even and ballanced pressure on the holder glass (try using a pencil eraser in the center) drive the holder glass and blank in circles to grind the blank down. Again start off in small steps, check your progress frequently and clean the blank and holder well. If you notice some loss in activity then reclean the blank, if that doesn't bring it back to life then you are probably getting the blank off axis. It's best to give up on a blank which has lost much activity as it will be darn near impossible to get it back on axix.

Anything else is cut and try, go find a real OH (some one from the the time before RF transistors) and see what they have to say about crystal grinding. I've got a fairly extensive collection of QST, CQ, 73 and Ham Radio (latter 3 from the first issue, QST back to 1928) I don't remember a lot of detail on grinding crystals, what I know I picked up from my Dad (licenced in 1919) who was one of those guys who could do or fix **ANYTHING**.

Good luck

Ron Todd, K3FR   the PATHFINDER guy

From 178810496151468628
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d22681f4d8ca9f5b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-07 09:42:13 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hplisa!hpislx!bfc
From: bfc@hpislx.HP.COM (Bryan Carpenter)
Newsgroups: rec.ham-radio
Subject: Looking for 2m HT purchase advice.
Message-ID: <10110001@hpislx.HP.COM>
Date: 7 May 90 16:42:13 GMT
Organization: Measurement Systems Operation - Loveland, CO
Lines: 21
Posted: Mon May 7 17:42:13 1990

As a newcomer to ham radio, I am looking for some advice on purchasing my first rig, a 2m HT. I want to start with a couple-year-old used one so I can start operating without shelling out the bucks for the latest-and-greatest.

Features I know I want:
- Synthesized tuning
- DTMF pad
- Tone burst for repeater access
- At least a few freq. memories
- Power output on the high side of allowable range

- Rechargeable batteries with decent capacity and good replacement availability

What else should I look for? Could you suggest some models I should consider?
When I head to my first swapfest, I want to know something about what I'm
looking for. Thanks in advance!

Bryan Carpenter
(no call yet, I'll be watching the mailbox.)
bfc%hpislx@hplabs.hp.com

From -2947332044899559709
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d33404d49c0a005
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-07 09:49:33 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: What is a CB radio?
Message-ID: <51@thoreau.nsc.com>
Date: 7 May 90 14:40:48 GMT
References: <12850@bambam.WELLESLEY.EDU> <7880143@hpfcdc.HP.COM>
Organization: National Semiconductor, S. Portland, Maine
Lines: 10
Posted: Mon May 7 15:40:48 1990

In article <7880143@hpfcdc.HP.COM>, perry@hpfcdc.HP.COM (Perry Scott) writes:
> Anyone know the story behind the unused frequencies on 11 meters ? Are
> they dead frequencies, or allocated to another service ?
>
> Perry/KF0CA

There's a couple of Radio Control channels in there, the smart RC's don't
use them though because of the HF'ers and other pirates.

Ron   K3FR

From -894382959211179072
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,23ccd005d9c84fc7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-07 10:25:12 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!
usc!apple!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: Hereditary Hams (was Re: 3-year-old learns Morse Code)
Summary: kids & the code
Message-ID: <50@thoreau.nsc.com>
Date: 7 May 90 14:24:02 GMT
References: <36037@genrad.UUCP> <681@ssc.UUCP>

Organization: National Semiconductor, S. Portland, Maine
Lines: 18
Posted: Mon May 7 15:24:02 1990

In article <681@ssc.UUCP>, markz@ssc.UUCP (Mark Zenier) writes:
> In article <36037@genrad.UUCP>, dls@genrad.com (Diana L. Syriac) writes:
> > I've heard rumors that there is a 3-year-old that just took AND PASSED
>
> The Question is: How many children, who's parents are NOT ham radio
> operators, are learning morse code?
>
> markz@ssc.uucp

My guess is darned few, they don't even require Morse code for the First Class Boy Scout Rank anymore!! Can you imagine a couple of boys doing 7 wpm with a flag on a 5 foot pole? Hint: dots right, dash left and space down. My buddy (ex WV2LMQ) and I did it for the council scout-o-ramma, it takes a bit hustle but we could probably have done 13. I wonder if that would be an acceptable way for hearing impared persons to take the code test?

Ron Todd, K3FR   the PATHFINDER guy

From -2456301303939223214
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8a79902664d746a6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8a79902664d746a6,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-07 12:17:26 PST
Path: gmdzi!unido!mcsun!uunet!samsung!umich!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Cordless Phone Monitoring in USA and GERMANY
Keywords: fun with wireless phones
Message-ID: <1990May7.174138.28262@lopez.UUCP>
Date: 7 May 90 17:41:38 GMT
Followup-To: rec.radio.shortwave
Organization: Great White North/UPlink
Lines: 103
Xref: gmdzi rec.radio.shortwave:1166 rec.ham-radio:11317
Posted: Mon May 7 18:41:38 1990

SAY *YES* To rec.radio.scanner (If it ever comes to a vote)

The topic of cordless phone monitoring is a bit controvercial. If you have any compunctions against evesdropping on your neighbors (legally, of course), skip to the next article.

On our local system, The Great White North UPLink (Public Access Unix), we not only have SIGS devoted to radio and scanning, but we have a cordless phone monitor SIG. Not everyone who owns a scanner will admit that they devote a lot of time monitoring 46-47 mHz for the pedistal transmitters of cordless phones, but I would say most folks with scanners have at least punched the range in just to see what is there.

With the addition of a good outside antenna (Like the CHANNEL MASTER 5094A) these signals can be picked up at distances over a mile, meaning that even in a small town you will get PLENTY of action on this band. In fact, you might find conversations stacked several signals deep during prime phone times.

Listening to cordless phone calls in the USA is still legal under the ECPA, from everything we have been able to determine. In fact, courts continue to uphold convictions for crimes committed over the cordless phone when a listener turns in a drug dealer, prostitute, or terrorist. (USE your own conscience, YOU have to live with yourself).

There are supposedly only 10 cordless frequencies in use here:

> 46.61, 46.63, 46.67, 46.71, 46.73, 46.77, 46.83, 46.87, 46.93, and 46.97.

Looking at this list, you see the pattern, and notice that there should be operations on 46.81 and 46.91, if things were "true to form". Well SURPRISE, SURPRISE.... There ARE some cordless phones on these two frequencies! Not many, but they exist. Technically these are illegal, but the old style cordless phones also sometimes wound up in the amateur 160 meter band, also not legal, but they existed. (Note, there is STILL activity to be had on the 1600-1800 band, though cordless phones THERE use FM. Your ham tranceiver switched to FM will do just fine, though modulation levels seem quite low here. I have found ONE local phone on 1740khz, and this is NOT an authorized frequency either. These older style phones are no longer made, but show up at garage sales and Goodwill stores all the time.

The handsets operate in the 49-50 mhz range, but you only hear ONE side of the conversation on these frequencies, so they are not practical, although this is a way to find activity where the pedistal is in the 1600-1800 range (MF).

If you have a PRO 2004 or PRO 2005, a handy thing to do is to program a range from 46.61 to 46.97 as a permanent search bank. Your scanner will search the entire range in just over a second, and you have the advantage of picking up units that are not on the "approved" frequencies.

NOTE: Recently the FCC gave the go ahead to double the channel capacity by splitting the channels by 5khz (46.615, 43.635, etc).

So much for the good old USA.

You might be interested to know that there are cordless phones in other countries, but things work differently.

In GERMANY, it is illegal to own a 46/49 type cordless phone (the USA type), though MANY people there do use them. The legal cordless phone system in West Germany is quite complicated, and offers the scanner owner a real challenge. Instead of the 10 (or 12) frequencies we have here, there are 1,800 channels in potential use in Germany. A cordless phone there operates in the 931-976 mhz band (way up there!) with a channel plan of: XXX.X10, XXX.X35, XXX.X60, XXX.X85) (25khz spacing). The German phones "hunt" for a clear frequency, so the phone NEVER is on the same frequency twice for all practical purposes. Using 5 khz steps, it takes 5 minutes to scan the whole band, so you stand a good chance of missing conversations. 50khz steps mean you will MISS frequencies, and 12.5KHZ steps do not seem to line up properly for some reason. The phones also are known to SWITCH frequencies in the middle of a conversation, if the caller is quiet for a while.

German legal cordless phones can ONLY be obtained (rented) from the PTT. You can not "own" one, as you can here.

NOTE: In Germany it is ILLEGAL to monitor cordless phones. In GERMANY it is illegal to monitor anything. Scanners are verboten. However, in practice, there are enthusiasts who DO listen.

Perhaps someone with a 2004 or 2005 might have ideas on how to make cordless phone monitoring a bit simpler in areas where there ARE so many channels.

I am curious about cordless phones in other countries. What bandplans, legalities, etc. apply to other nations? Is the USA the only country where it is legal (so far) to monitor low power unlicensed cordless telephones?

No flames please. It is a legal hobby here, and sure beats TV soap operas!

```
--
=Marquette MI: It's Not the END of the world, but you can see it from here=
==  Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash)  GWN UPLink  ==
==  3.950  Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================
```

```
From 4283582176117573967
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93f9163823588166,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-07 16:20:24 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!elroy.jpl.nasa.gov!ames!eos!
shelby!lindy!paulf@jessica.Stanford.EDU
From: paulf@jessica.Stanford.EDU (Paul Flaherty)
Newsgroups: rec.ham-radio
```

Subject: ICOM R1 Rumors
Message-ID: <9354@lindy.Stanford.EDU>
Date: 7 May 90 20:51:51 GMT
Sender: root@lindy.Stanford.EDU (Rooter)
Reply-To: paulf@jessica.Stanford.EDU (Paul Flaherty)
Organization: The Three Packeteers
Lines: 14
Posted: Mon May 7 21:51:51 1990

Just for grins and giggles, I called ICOM this morning, to find out what was up with the shipments of the R1. The rep told me that, at the moment, ICOM was concentrating on filling back orders for other equipment, and as a result, production for the R1 hasn't been ramped up yet. She discounted the rumor about the patent lawsuit, and also told me that the R1 is currently selling in Japan.

Incidentally, I talked to Dick at AES, and he said that the level of interest in the R1 has been phenomenal...

```
-=Paul Flaherty, N9FZX/VK2WYX | "Unix could use a more user-friendly front
->paulf@shasta.Stanford.EDU   |  end.  Does anyone have a card punch handy?"
```

From 5868689617637239759
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8de4aaa1e26ce9d7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-07 18:09:57 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!utzoo!mnetor!ghp!jim
From: jim@ghp.UUCP (Jim Stewart)
Newsgroups: rec.ham-radio
Subject: Re: Cat's Wiskers
Message-ID: <586@ghp.UUCP>
Date: 7 May 90 17:38:33 GMT
References: <830@gazette.bcm.tmc.edu> <7880145@hpfcdc.HP.COM>
Reply-To: jim%ghp@mnetor.UUCP (Jim Stewart)
Organization: Gellman Hayward & Partners Ltd.
Lines: 15
Posted: Mon May 7 18:38:33 1990

In article <7880145@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:

>My old cub scout handbook said to use a safety pin and a piece of
>galena (lead crystal). You probe the galena until you find a spot
>that behaves like a diode.

How about a paper clip held down with a thumbtack and probing an old penny?

>I'd rather use a 1N34. :-)

Me too!
--
Jim Stewart, VE3SRJ
UUCP: jim%ghp@mnetor.uucp
BELL: (416)862-0430

From -4680670413917057406
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,39cf0b44ed51863d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-07 18:09:59 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!utzoo!mnetor!ghp!jim
From: jim@ghp.UUCP (Jim Stewart)
Newsgroups: rec.ham-radio
Subject: Mod's and Fixes for Kenwood 7850
Message-ID: <587@ghp.UUCP>
Date: 7 May 90 17:52:58 GMT
Lines: 17
Posted: Mon May 7 18:52:58 1990

I have an old Kenwood 7850. A friend was telling me about some mod's to increase its frequency coverage (this request is asked so often we should assign a number for this request, we could have 73, 88, and 51--extend frequency coverage :-) He also told me about a fix to apply when replacing the finals (this is more serious).

He saw these in a newsletter from International Radio and Computer of Port St.Lucie FL. Of course, he couldn't find which issues they were in, he put the indexes in a _SAFE_ place... Anybody know of these?

PS: I am also looking for the Operator's Manual...

tnx
--
Jim Stewart, VE3SRJ
UUCP: jim%ghp@mnetor.uucp
BELL: (416)862-0430

From 5034529290902956269
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d34482065f53b813,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10a148,d34482065f53b813,start
X-Google-Attributes: gid10a148,public
X-Google-Thread: fddbf,d34482065f53b813,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-05-07 18:14:27 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!rpi!crdgw1!ge-dab!tarpit!peora!tsdiag!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)

Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.space.shuttle
Subject: SAREX Information And Operating Hints
Keywords: Shuttle Amateur Radio Experiment on STS-35
Message-ID: <289@ka2qhd.UUCP>
Date: 8 May 90 01:14:27 GMT
Organization: KA2QHD PBBS SYSTEM, OCEAN NJ
Lines: 202
Xref: gmdzi rec.ham-radio:11372 rec.ham-radio.packet:2227 sci.space.shuttle:3964
Posted: Tue May 8 02:14:27 1990

SAREX-II is a secondary payload on STS-35, currently scheduled for launch on May 17, 1990. It will be located in the Aft Flight Deck of the Space Shuttle Columbia. Ron Parise, WA4SIR, the Payload Specialist and astronomer on Columbia will be the Astronaut ham operator.

SAREX-II-02 is a secondary payload on STS-37, currently scheduled for launch on November 1, 1990. It will be located in the Aft Flight Deck of the Space Shuttle Atlantis. Ken Cameron, KB5AWP, the pilot of Atlantis will be the Astronaut ham operator.

The American Radio Relay League (ARRL) is the customer on the SAREX-II payloads. NASA gave its authorization for SAREX operations for the following reasons:

> To encourage our youth to become excited about science and technology, and
>
> To familiarize large numbers of the general public with manned space flight

NASA's intent in making astronauts available for SAREX operations is to involve the largest possible number of people, particularly youngsters, in Amateur Radio and the US space program. With amateur radio clubs and hams, our astronauts will speak over amateur frequencies directly with large groups of students, showing teachers, parents and communities how Amateur Radio energizes youngsters about science, technology, and learning.

You can easily become a part of this activity in your local school, as the astronauts will operate the SAREX equipment in the amateur two meter band. You will be able to send and receive messages via packet for periods of about 12 hours daily. The astronauts' work schedules will determine your chances for a voice or television message, but Ron and Ken may have an hour or more each day for these modes.

The Johnson Space Center's Amateur Radio Club station, W5RRR, in Houston, Texas, will re-transmit astronaut's signals to WA3NAN, at Goddard Space Flight Center, in Greenbelt, MD (near Washington, DC), and to W6VIO, at the Jet Propulsion Laboratory in Pasadena, CA. These stations, plus W1AW and several VHF and UHF repeater groups, will re-transmit the signals on most amateur bands so that you and the students can copy the communications. You will hear NASA Mission Commentary, frequent bulletins to advise listeners of astronaut planned transmissions, and all amateur two-way voice and amateur television transmissions with the shuttles. Using a simple hand-held transceiver, you can open the world of science to hundreds of youngsters. Students themselves can take part in the shuttle flight via a packet connection, and some will even be able to talk directly to the astronauts in orbit.

ARRL and AMSAT are co-sponsoring these exciting missions, with AMSAT heading up technical operations. Hundreds of Amateur Radio operators have already been working behind the scenes for months. The ARRL takes the lead with information and educational support. ARRL Educational Activities Branch (EAB) and NASA HQ will create lesson plans for teachers. All you need to provide is a 2-meter rig or a packet radio setup. If you are a teacher or instructor, contact ARRL EAB to get everything you will need and regular news updates. If you are a parent or a grandparent, contact ARRL EAB and a local school. EAB will send you materials, including ways to convince teachers and school administrators that Amateur Radio is an important discipline the school should take advantage of on a full-time basis.

This a tremendous opportunity for you to showcase SAREX 1990 and amateur radio to kids of all ages in a big way. Plan on being a part of it; contact ARRL EAB now and give your best to our exciting hobby and to our hope for tomorrow: America's youth.

Listen to the ARRL Bulletins on W1AW (see QST for CW and voice bulletins) on a daily basis; and to the AMSAT Nets on Tuesdays (U. S.), 3.840 MHz, 01:30Z to 03:00Z, and on Sundays (international), 14.282 MHz, 18:00Z to 21:00Z, +/- QRM.

[ANS would like to thank ARRL and NASA for this contribution. Stay tuned next week to the ANS bulletins for more details about the STS-35 mission and its amateur radio operations.]

The WA4SIR flight aboard the STS-35 flight of the Shuttle Columbia is still officially scheduled for early May 16th (GMT), although there are some hints that it might slip by one day. The SAREX mission will carry the packet ROBOT automatic QSO machine which will allow many amateurs around the world to have two-way packet QSO's with the Shuttle during the times when our ham astronaut, Ron Parise is busy.

To work the ROBOT, you transmit on 144.950 MHz and listen to the Shuttle on 145.550 MHz. Subsequent SAREX information bulletins will give you operating hints and describe the schedule in more detail.

If you are successful in making a two-way QSO, you call and your unique QSO serial number will be automatically logged and you will receive a QSL card after the mission. You will know you met all requirements of a two-way QSO by seeing your call in the QSL beacon which will be sent every 2 minutes and looks something like:

```
    WA4SIR>QSL <UI>:
    NI3F/186 WB2TNL/185 W3IUI/179 WB3AFL/177 NF3N/176 WA3EPT/175
    N4QQ/174 W3IWI/172 JY1/153 U6MIR/127
```

If you are heard by the ROBOT, your call will appear in the QRZ beacon which will look something like:

```
    WA4SIR>QRZ <UI>:
    #3405-NE3H NI3F K1LNJ WB2TNL WB3ILO N3ACL N3FWX WA3TSD WA3USG
    etcetera
```

where the #3405 is a serial number incremented every 2 minutes when the QRZ beacon is sent.

Unlike the QSL "worked" list, the QRZ "heard" list is not retained in the ROBOT and the laptop computer on the shuttle. In order to send SWL cards to those who were heard, it will be necessary to have amateurs around the world help to collect the list. When you are monitoring the WA4SIR SAREX transmissions, try to capture the beacons and send them in to us in machine readable format. We are only interested in the QRZ and QSL beacon information; please strip out everything else (like QSOs monitored, any other beacons, etc.). You may send it through the amateur packet network addressed like this:

```
     SP SAREX @ W3IWI.MD.USA
```

or via the Internet addressed like:

sarex@tomcat.gsfc.nasa.gov

and make the Subject: field contain the date/time of the beacons like:

May 19 @ 03:42z

Here are several hints that may help you make a successful packet QSO with the SAREX ROBOT that will fly with Ron Parise, WA4SIR in mid-May.

1. Frequencies: Your transmitter uplink frequency should be 144.950 MHz and you should listen for the shuttle downlink 600 kHz higher on 145.550 MHz. Under no conditions should you transmit on the 145.550 downlink!

Since there may be other packet or voice activity in your area on these frequencies, local coordination to insure a clear frequency during the ten day STS-35 mission may be needed.

2. Modulation: The uplinks and downlinks are ordinary AFSK/FM 1200 BPS signals, just like most terrestrial VHF packets. No special modems are needed. You are advised to check your transmitter's FM deviation and set it to 3 kHz or less. Most radios are typically set to 5-6 kHz and this will be too wide because of doppler shifts. If you don't have a deviation meter, listen on another radio and crank the tone level down until you hear the volume drop noticeably. Most people run too much deviation on their packet signals anyway, and you will probably find this improves the reliability on terrestrial paths too!

3. When to hear/work the shuttle: During the mission Keplerian elements and predictions will be sent frequently by WA3NAN, W5RRR, W6VIO, and many local FM repeaters, as well as by packet bulletins addressed to @AMSAT. Check with your local AMSAT area coordinators for information in your area. In general in the USA, the windows are in the late evening and early morning hours. Don't expect the SAREX hardware to be activated until the second day of the ten-day mission. Because the inclination of the shuttle orbit is only 28.5 degrees, the signals can only be heard between about +43 and -43 degrees latitude.

4. LISTEN!!!: Most packeteers don't listen to the BRAAAAP! from their radios, but you should listen during the shuttle activity. If Ron is personally available, he may turn off the SAREX packet hardware and be QRV on voice.

5. Connecting to the shuttle: All you do is to issue a connect. If you are heard, you will see something like this:

```
   cmd: CONNECT WA4SIR
   *** Connected to WA4SIR
   #191--- Tnx QSO with the SAREX Shuttle "ROBOT" automatic QSO machine
   *** DISCONNECTED
```

When the ROBOT hears your "ack" of its transmission, it will disconnect and you will be in the log. Because the ROBOT queues information for 3 seconds and sends several replies in one transmission, you should set your DWAIT to about 4 seconds.

6. Multiple QSO's: Once you have worked the ROBOT and make it into the log, no further QSO's from you will be logged (even if you use a different SSID). Give others a chance and don't connect multiple times!

7. Monitor!!!: Every 2 minutes a beacon addressed to QRZ will list stations heard recently, and the QSL beacon will list those worked. Every 3 minutes the Metabeacon (up to 1.7 kbytes in 7 packet frames) addressed to QST will send text describing shuttle activities. Monitor these beacons to keep informed. In Bulletin #1 we ask for you to submit copies of the QRZ and QSL beacons you copy.

8: Your chances for success: Signals from many hundreds of stations can be heard from the shuttle. With FM transmissions, only the strongest signal "wins", just like in a DX pileup. To help, the ROBOT can have up to 9 QSO's in progress at any one time. Perserverance and a well equipped station will help -- but if activity levels are high and the uplink channels are busy, it will be a matter of luck.

[From: w3iwi%w3iwi.md.usa@bbs.nn2z.ampr.org]

--
AMPR : KD2BD @ NN2Z (Neptune, NJ)
UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
"For every problem, there is one solution which is simple,
neat and wrong." -- H.L. Mencken

From -3047604999897163363
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8de4aaa1e26ce9d7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-07 22:38:06 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!wrgate!copper!michaelk
From: michaelk@copper.WR.TEK.COM (Michael D. Kersenbrock)
Newsgroups: rec.ham-radio
Subject: Re: Cat's Wiskers
Keywords: In article <586@ghp.UUCP> jim%ghp@mnetor.UUCP (Jim Stewart) writes:
Message-ID: <2465@wrgate.WR.TEK.COM>
Date: 8 May 90 00:22:56 GMT
References: <830@gazette.bcm.tmc.edu> <7880145@hpfcdc.HP.COM> <586@ghp.UUCP>
Sender: news@wrgate.WR.TEK.COM
Reply-To: michaelk@copper.WR.TEK.COM.UUCP (Michael D. Kersenbrock
Lines: 38
Posted: Tue May 8 01:22:56 1990

> My old cub scout handbook said to use a safety pin and a piece of galena (lead crystal). You probe the galena until you find a spot that behaves like a diode.
>
>> How about a paper clip held down with a thumbtack and probing an old penny?
>
> I'd rather use a 1N34. :-)
>
>> Me too!

Not me. If I'm going though the trouble of making a crystal radio, why use a 1N34? Might as well use a commerical radio.

The whole point of a crystal radio (in my mind anyway) is the hunk of galena.

I plan to build a crystal radio, using state-of-the-art IC's for the *rest* of the unit. However, I already have bought my galena crystal (nice looking one too) at a rock-and-gem "show" (for a quarter not counting the entrance fee -- I was going there anyway).

Haven't figured out the mechanics to hold the safety pin yet. What's the optimum material for the pin?

Too bad the one I built thirty years ago (as a 7 or 8 year old) isn't around anymore....sigh.... :-)

--
Mike Kersenbrock
Tektronix Microprocessor Development Products
michaelk@copper.WR.TEK.COM
Aloha, Oregon

```
From 6065704532609306802
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e73637ef6fb3b898,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-07 23:02:12 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!brutus.cs.uiuc.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Cellular Telephone
Message-ID: <30500523@ux1.cso.uiuc.edu>
Date: 7 May 90 17:53:00 GMT
References: <24518@usc.edu>
Lines: 30
Nf-ID: #R:usc.edu:24518:ux1.cso.uiuc.edu:30500523:000:1769
Nf-From: ux1.cso.uiuc.edu!phil    May  7 12:53:00 1990
Posted: Mon May  7 18:53:00 1990
```

From what I've heard and read, I've put together that digital cellular will be or has been allocated spectrum in or around 1600 MHz. It will be purely digital and not compatible whatsoever with the analog system. Since the existing analog phones cannot operate on 1600 Mhz, compatibility is moot. I also understand that LA will be the first place to see digital cellular since it is now the most crowded, followed by the other major cities as financial resources come available. I have not determined if the present dual-provider requirements will be part of the 1600 MHz digital system.

I've also heard that there will be dual technology phones available, which will be, of course, much more expensive, so that the user can choose between digital and analog. You would need the analog side just to be able to travel to places that don't have digital. The analog service, even in LA, would continue to exist for 10 or more years beyond the introduction of digital cellular. Can you say "poor man's cellular"?

I am curious, as digital cellular starts to get going, if salesmen will suddenly start promoting the security aspects of digital over analog? If they do before digital is available everywhere analog is, then they will be admitting that some people don't have a choice but to use a secure cellular system. Since digital will be more expensive, they will need to push it in some way. In places like LA it might be easy enough to push as a service with available channels. I understand the situations is a mess there now, with cell full situations causing no call completion and failed hand-off's.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -3312913647128111542
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2383db3e0dcfb08a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-07 23:04:34 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Morse Coding standards (non-ham question)
Message-ID: <1250157@hpnmdla.HP.COM>
Date: 7 May 90 19:40:02 GMT
References: <9004242215.AA02030@ti.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 15
Posted: Mon May 7 20:40:02 1990

>I suppose that a morse code fan would have liked being assigned my call:
>WA2ISE   all dits in the suffix!   .. ... .
>I never operate code myself, though.

>73 de WA2ISE

My favorite is the (at one time) very active contest station WB5EEE
(known in some circles as "WB5S"). After the first dash in the "B", it's
all dits: .__ _... ....

There used to be an operator at W1AW with the call WA9HHH. On CW, this
sounds like the error signal.   ....

de N1AL

From 8368792475558317504
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93f9163823588166
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9f52b8c2eddfb890,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-07 23:47:22 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!ames!uhccux!hokulea!doug
From: doug@hokulea.hig.hawaii.edu (Doug Myhre)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: ICOM R1 Rumors
Message-ID: <7597@uhccux.uhcc.hawaii.edu>
Date: 8 May 90 01:54:05 GMT
References: <9354@lindy.Stanford.EDU>
Sender: news@uhccux.uhcc.hawaii.edu

Reply-To: doug@loihi.soest.hawaii.edu (Doug Myhre)
Followup-To: rec.ham-radio
Organization: University of Hawaii, Honolulu
Lines: 25
Xref: gmdzi rec.ham-radio:11324 rec.radio.shortwave:1172
Posted: Tue May 8 02:54:05 1990

In article <9354@lindy.Stanford.EDU> paulf@jessica.Stanford.EDU (Paul Flaherty) writes:

>Just for grins and giggles, I called ICOM this morning, to find out what was
>up with the shipments of the R1.   The rep told me that, at the moment, ICOM
>was concentrating on filling back orders for other equipment, and as a result,
>production for the R1 hasn't been ramped up yet. She discounted the rumor
>about the patent lawsuit, and also told me that the R1 is currently selling
>in Japan.

I talked to someone at EEB, and he told me that ICOM was recalling all scanners and EEB was pulling their ads because of a "patent problem". This he said was the unofficial reason. He said the scanners were still available outside the country. He seemed to indicate that there was a real reason the radios weren't available any more and a official reason that they were told to tell customers. Eather ICOM is giving you some BS or this guy was giving me the run around.
I also called Grove Enterprises and they confirmed that ICOM was no longer making the R1 available in the US.

```
*==================================================*
*  Douglas Myhre   <doug@loihi.soest.hawaii.edu>  *
*  Hawaii Institute of Geophysics                 *
*  Research Computing Facility                    *
*  2525 Correa Rd.                                *
*  Honolulu, HI 96822           (808) 948-8713    *
*==================================================*
```

From 503246110431077697
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb43564dd6189d0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-08 04:20:50 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!apple!portal!cup.portal.com!HAVANAMOON
From: HAVANAMOON@cup.portal.com (Havana - Moon)
Newsgroups: rec.ham-radio
Subject: Re: Magazine for scanners and mods
Message-ID: <29700@cup.portal.com>
Date: 8 May 90 01:58:50 GMT
References: <5243@helios.TAMU.EDU>
Organization: The Portal System (TM)
Lines: 7
Posted: Tue May 8 02:58:50 1990

Scanner Mods Magazine
You might try MONITORING TIMES. While not generally available on the

stands, this magazine does --at times-- go into scanner mods in a limited manner.

You also might try Dromedary Techincal Services, 141, Jackson Road,
Roopville, Georgia 30170. Phone: 404/854-8846.

From 8096294326584381016
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f1dc7bd67e9605af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-08 04:26:36 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!usc!apple!portal!cup.portal.com!Justin_Randall_Padawer
From: Justin_Randall_Padawer@cup.portal.com
Newsgroups: rec.ham-radio
Subject: Re: CQ buys HAM RADIO
Message-ID: <29709@cup.portal.com>
Date: 8 May 90 04:02:27 GMT
References: <12049@cbnewsm.ATT.COM> <29630@cup.portal.com>
Organization: The Portal System (TM)
Lines: 1
Posted: Tue May 8 05:02:27 1990

That should have read "Hear, hear..." I stand duly corrected. :-)

From 5061221051212787257
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,42b36382ae1596f9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-08 04:26:46 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!swrinde!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!apple!portal!cup.portal.com!Justin_Randall_Padawer
From: Justin_Randall_Padawer@cup.portal.com
Newsgroups: rec.ham-radio
Subject: Packet with FT-207R????? help
Message-ID: <29710@cup.portal.com>
Date: 8 May 90 04:06:32 GMT
Organization: The Portal System (TM)
Lines: 6
Posted: Tue May 8 05:06:32 1990

I have an FT-207r... Can anyone send me a wiring diagram to interface with the MFJ-1224 and Commodore 64. Please recommend software as well for the Commodore 64 and for the Mac. (I may end up trying to interface with the Mac instead.) Help? I understand there's a world waiting for me...
--Randy Padawer

From -8074771375702618322
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,4d33404d49c0a005
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-08 04:30:12 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!helios.ee.lbl.gov!hellgate.utah.edu!uplherc!wicat!keithm
From: keithm@wicat.UUCP (Keith McQueen)
Newsgroups: rec.ham-radio
Subject: Re: What is a CB radio?
Message-ID: <457@wicat.UUCP>
Date: 7 May 90 22:06:03 GMT
References: <12850@bambam.WELLESLEY.EDU> <7880143@hpfcdc.HP.COM>
Reply-To: keithm@wicat.UUCP (Keith McQueen)
Organization: WICAT Systems, Orem, Utah
Lines: 15
Posted: Mon May 7 23:06:03 1990
X-Local-Date: 7 May 90 15:06:03 PDT

In article <7880143@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>Anyone know the story behind the unused frequencies on 11 meters ? Are
>they dead frequencies, or allocated to another service ?
>
>Perry/KF0CA

The next time that you walk through a hobby or toy store, notice that many of the less expensive radio-control cars etc. operate on 27Mhz.

The unused channels are for radio-control.

```
--
 Keith McQueen, Wicat Systems Inc. , (801)224-6400      | My opinions are |
 N7HMF @ NV7V.UT.USA.NA (84058), 147.34+, 449.675-      | all mine...     |
```

From -4605008269725410681
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e574df4109da4561,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-08 04:33:05 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!donm
From: donm@hpnmdla.HP.COM (Don Montgomery)
Newsgroups: rec.ham-radio
Subject: Copying Code In Your Head
Message-ID: <1250159@hpnmdla.HP.COM>
Date: 7 May 90 23:18:36 GMT
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 9
Posted: Tue May 8 00:18:36 1990

What determines the top speed that you can copy CW in your head? Is it how your ears hear the interrupted pulse trains (mechanical) or is it how it's processed by your brain (software)? How about the inner ear (interface)? Why can some copy 60+ wpm and others only 30? Why doesn't practice make perfect? Or does it come down to the cold, hard facts that some people "have it" and others don't???

73
Don K6LTS

From -4792772804972358251
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e654a1f9151aabe3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-08 04:35:08 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!rutgers!mcnc!decvax.dec.com!zinn!ubbs-nh!wa1omm!paul
From: paul@wa1omm.UUCP (Paul MacDonald)
Newsgroups: rec.ham-radio
Subject: Re: SlowScan on Amiga
Message-ID: <3464.AA3464@wa1omm.UUCP>
Date: 7 May 90 22:31:29 GMT
Followup-To: rec.ham-radio
Lines: 17
Posted: Mon May 7 23:31:29 1990

Check out the gadget AEA has on the market. It does FAX, and I believe it copies slow scan and sends slowscan. There should be an ad for it in the May QST.

--

```
                         /\  /\
                        //\\//\\
            +--------------------------------------------+
            | From the shack of WA1OMM -- Paul MacDonald |
            | Using the power of the multitasking Amiga! |
            |                                            |
            | Compuserve: 70411,626   PLink:  UPPERCRUST |
            | Amateur Packet Radio:   WA1OMM@KB4N.NH.USA |
            +--------------------------------------------+
                        \\//\\//
                         \/  \/
```

From -6409857219397601172
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,72d90ddf9c457a65,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-08 04:35:18 PST
Path: gmdzi!unido!mcsun!ukc!tcdcs!swift.cs.tcd.ie!dit.ie!smacsuibhne
From: smacsuibhne@dit.ie
Newsgroups: rec.ham-radio

Subject: TRIO TR-2200GX MANUAL/ CIRCUIT DIAGRAM HELP!
Message-ID: <7462.2645abc9@dit.ie>
Date: 7 May 90 17:09:29 GMT
Organization: Dublin Institute of Technology
Lines: 18
Posted: Mon May 7 18:09:29 1990

Hi,
I am looking for a manual and / or circuit diagram for

a TRIO TR-2200GX FM TRANSCEIVER. I wounder can any body help?

The set I have is faulty and I'd like to get it working again.

Thanks

Sean Mac Suibhne
Telecoms Dept.
Kevin Street C.O.T.
Kevin Street
Dublin 8
Ireland

SMACSUIBHNE@DIT.IE

From 6184981310065076567
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a43b49bba1784695,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-08 04:43:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!NISD.CAM.UNISYS.COM!doug
From: doug@NISD.CAM.UNISYS.COM (Doug Hardie)
Newsgroups: rec.ham-radio
Subject: Re: INFO-HAMS Digest V90 #480
Message-ID: <9005071803.AA03245@KRONOS.NISD.CAM.UNISYS.COM>
Date: 7 May 90 18:03:22 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Mon May 7 19:03:22 1990

Subject: Re: Heriditary Hams...

"7 wpm with a flag on a 5 foot pole". The way to speed up that mode of transmission is to use a shorter pole. The speed is limited by the time it takes to move the flag which has very high air resistance. By shortening the pole you reduce the path length for the flag. I normally use a 3 ft pole with a 2x2 flag. That is a lot easier to move over an extended transmission. I have sent around 10 wpm without serious problems, but it required hams at both ends. If you make a transmission error, it takes a lot of time for 8 dits. Speed average is blown away. Also, the normal (old Boy Scout) protocol was an ack at the end of each word. That takes two people at the receiving end to keep up the transmission speed - one working the flag and the other copying. Then you have to use a slightly modified form of block ahead transmission - start the next word before the previous word ack is received. With a little practice, it works quite well. I would guess, however, that in practical use, 5 wpm is going pretty fast. It works when nothing else does, but it sure is easier to reach over and grab that HT.

-- Doug   WA6VVV

```
From -8854230619179250762
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8de4aaa1e26ce9d7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-08 04:44:06 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!
ucbvax!ALDERAAN.SCRC.SYMBOLICS.COM!Ed
From: Ed@ALDERAAN.SCRC.SYMBOLICS.COM (Ed Schwalenberg)
Newsgroups: rec.ham-radio
Subject: Coherers
Message-ID: <19900507153227.5.ED@PEREGRINE.SCRC.Symbolics.COM>
Date: 7 May 90 15:32:00 GMT
References: <3294@milton.acs.washington.edu>
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 23
Posted: Mon May  7 16:32:00 1990
```

> Date: 4 May 90 22:57:34 GMT
> From: usc!zaphod.mps.ohio-state.edu!uwm.edu!ogicse!blake!milton!whit@ucsd.edu (John Whitmore)
>
> An old variation on a cat's whisker was a "coherer"; this was a glass tube with metal chips. When the rectification failed, one simply shook the tube to change the chips' contact points.

Coherers don't work by rectification, they work by cohering.

```
          ---------------------         <-glass tube
ant--o------|:.:.:.:.:.:.:.:|----o--gnd <-electrodes, connected to antenna
     |    ---------------------  |      .:.: iron filings
     |                           |
     \----battery---headphones---/
```

The loose agglomeration of iron filings in a coherer had a high resistance; an increase in current from the antenna would cause the filings to "cohere" and the resistance would drop suddenly, causing an audible click in the headphones. To detect the next signal, the tube would have to be tapped to loosen the filings again. Automatic decoherers were invented to help out: the increased current flow through the coherer would trigger a

small solenoid which would tap the coherer, thereby setting up for the
next pulse.

From -3971955919752216243
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc02a75c1d88e8b3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-08 05:51:19 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!tut.cis.ohio-state.edu!ucbvax!STL-06SIMA.ARMY.MIL!wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: Heath followup
Message-ID: <9005090704.AA20783@ucbvax.Berkeley.EDU>
Date: 8 May 90 12:51:19 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Tue May 8 13:51:19 1990

Some weeks back, there was a discussion on the list about Heath, and several of us mentioned that we filled out a marketing survey from them and sent it in with letters of comment and suggestion. I just thought I'd mention that I just received a letter of acknowledgement from Heath, singed by "Lisa Tarpoff", a marketing research analyst there, thanking me for my comments. So it appears that at least someone is reading such letters.

Regards, Will

From 2791958993679410884
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ee5fdc5f35a7ccd3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-08 06:08:45 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!HICKAM-EMH.AF.MIL!1843eie
From: 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE")
Newsgroups: rec.ham-radio
Subject: Public Perception of Ham Radio
Message-ID: <9005080706.AA13957@ucbvax.Berkeley.EDU>
Date: 8 May 90 07:06:24 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 55
Posted: Tue May 8 08:06:24 1990
X-Unparsable-Date: 7 May 90 10:08:00 GMT-10:00

INTEROFFICE MEMORANDUM

Date: 7-May-1990 10:05am HST
From: 1843EIG/EIE
1843EIE
Dept: 1843EIG/EIE
Tel No: 656-1158

TO: Remote Addressee (_INFO-HAMS@WSMR-SIMTEL20.ARMY.MIL)

Subject: Public Perception of Ham Radio

>learn, all it takes is a little time. I think the biggest factor stopping
>people from becoming hams is that most people have absolutely no idea what
>Amateur Radio is.
> Both the ham stores in my area are not easy to find. So noone will just
>stop by just have a look, because you can't see them from the road. You very
>rarely see any mention of Amateur Radio on the television. I think that if
>Amateur Radio had a higher public profile, then there wouldn't be the need
>for lowering the standards to get more people interested.

Bravo! You hit the mail right on the head. It's the chicken-and-egg problem -- No one knows we're here, so no one joins, thereby reducing the attractiveness of the market to potential retailers, which results in hidden stores, which no one can see, so no one knows we're here, etc., etc. :-(

> Another thing that concerns me is the volume of insults that see to fly
>around airwaves at various times. For some reason, most of this seems to
>go on on the 20m band (I don't know if it is me, or whether it happens on
>other bands and I haven't noticed). This cannot do the service any good
>at all. If you want to attract people to the service, then there has to be
>a serious effort to curb this kind of behaviour.
>
>Andy Greenshields [dxandyidener.BITNET]

Also true, unfortunately.

```
-------------------------------------------------------------------------------
Jeff Miller, WD6CQV/KH6                |  "Just because I'm a Californian,
USAF MARS:  AFA8JM                     |     it doesn't mean I'm not an
Chief, Engineering Workload Control    |            American!"
1843 EIG/EIP                           |                -- Agnes DiPesto,
Wheeler AFB, HI  96854-6348            |                  "Moonlighting"
Commercial: (808) 656-1226             |
AUTOVON: (315) 456-1226                |

Opinions?   Me?   On government time?   Ya gotta be kidding!

         USAF MARS: Providing the Reins of Command -- In an Emergency
-------------------------------------------------------------------------------
```

From -982405625316273271
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56d6b96fdb3cc270,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-08 06:08:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!UDLAPVMS.MTY.ITESM.MX!RI79011
From: RI79011@UDLAPVMS.MTY.ITESM.MX
Newsgroups: rec.ham-radio
Subject: RE: INFO-HAMS Digest V90 #473
Message-ID: <900507134647.64e@UDLAPVMS.MTY.ITESM.MX>
Date: 7 May 90 18:46:47 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 26
Posted: Mon May 7 19:46:47 1990

DX's today (may 7 1990) we are going to transmit with special prefix from the Pope Juan Pablo II during the visit to Mexico, the frecuency is 14226Mhz in the family hour.
The special prefix is 6DAPAX this prefix it will be operated by the Radio Club Azteca from: Mexico City, Puebla City, Cuernavaca Morelos & Mexico City's metropolitan area.
Today's operators:

6DAPAX oper. XE1LD QRA: Raymundo Lopez Ayo
6DAPAX oper. XE1KH QRA: Mss. Carmelita de Lopez.
6DAPAX oper. XE1OZG QRA: Oscar.
Sorry...XE1ZOG not XE1OZG...
6DAPAX oper. XE1MLG QRA: Mario.
6DAPAX oper. XE1RHZ QRA: Hector Rodriguez (Mexico City.)
6DAPAX oper. XE1SRA QRA: Hector Rodriguez Jr. (Puebla City)

Those are the today's operators With this prefix.

Hector Rodriguez Armendariz
XE1SRA
RI79011@UDLAPVMS.BITNET
P.O. Box 434
University of the Americas foundation.
72820 Sta. Catarina Martir
Puebla, United Mexican States. (Mexico)

From 341767829730971128
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ddb3de05c9252f51,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-08 06:14:23 PST
Path: gmdzi!unido!mcsun!uunet!nems!ark1!uakari.primate.wisc.edu!sdd.hp.com!ucsd!ucbvax!ibma.nerc-wallingford.ac.UK!PJML

From: PJML@ibma.nerc-wallingford.ac.UK ("Pete Lucas, NCS-TLC, Swindon U.K.")
Newsgroups: rec.ham-radio
Subject: Coherers and primitive receivers.
Message-ID: <08.May.90.14:15:44.BST.#3565@UK.AC.NWL.IA>
Date: 8 May 90 13:14:23 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19
Posted: Tue May 8 14:14:23 1990

Coherers; yes they need a mechanical shock to restore the high resistance state. The Science Museum in London had a fine collection of these in the 'sixties. Some used metal filings, with a clockwork (yes, wound-up-spring!) mechanism that tapped the filings in the tube at regular intervals to de-cohere it. Another had a trembler mechanism like an electric bell, with the armature tapping the filings. There was also the 'mercury wheel' coherer - a metal disk mounted above a pool of mercury in a dish, so that the wheel just touched the mercury. A thin film of thin mineral oil was then put on top of the mercury -this formed an insulating barrier between the disk and the mercury. High-frequency voltages broke down the oil-film, so the device conducted. A clockwork motor rotated the disk slowly (so as to bring a new film of oil between the disk and the mercury and achieve 'de-coherence'.)
I also have dim memories of a coherer using two metal balls separated by an oxide-film and mounted in an evacuated bell-jar; also i guess that bio-galvanic mechanisms could have been used: wonder what the DX record is for a pair of frogs legs?

Pete Lucas   PJML@UK.AC.NERC-WALLINGFORD.IBMA   0793-411613

From 1507658217510106859
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,65e789e63043732c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-08 06:21:55 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!ibma.nerc-wallingford.ac.UK!PJML
From: PJML@ibma.nerc-wallingford.ac.UK ("Pete Lucas, NCS-TLC, Swindon U.K.")
Newsgroups: rec.ham-radio
Subject: Crystal shaving...
Message-ID: <08.May.90.14:29:08.BST.#3573@UK.AC.NWL.IA>
Date: 8 May 90 13:21:55 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25
Posted: Tue May 8 14:21:55 1990

One way to change the frequency of a crystal is to use chemical methods; a solution of hydrofluoric acid will etch the rock (making it thinner so raising the frequency) whereas it is also possible to plate materials onto the rock electrolytically. This lowers the frequency by loading the rock.
Hydrofluoric acid is hazardous stuff; if i had any, i would run away quick!

I would not recommend using it, specially in unskilled hands. It dissolves glass in a most spectacular way. Likewise human flesh, clothing etc.

Plating a rock is easy; use copper sulphate solution, 0.1 molar. Link both the electrodes of the crystal together, and dangle the rock into a beaker of the solution. Hang a copper wire into the beaker too, making sure it does not touch the rock. Connect a variable-voltage power unit to the wire and rock (anode is wire, cathode is crystal). Give it about 10 milliamps for a minute or so, take the rock out, wash it in industrial alcohol to remove any remaining solution, dry it off, then put it in circuit and see what frequency you hit. Repeat this until you get the right frequency. Of course if you go too far, you can reverse the polarity of the supply, and strip off some of the plating. Beware though; activity falls as you increase the plated-on loading, and cannot always be restored by the reverse-polarity trick (because the plated-on material is not deposited evenly).

I shifted a HC6U rock from 7055KHz down to 7001KHz this way (i was aiming for 7000KHz but could pull it the last 1KHz with the trimmer). It seemed to still have reasonable long-term stability (drifted about 2KHz high over 5 years).

Pete Lucas G6WBJ   PJML@UK.AC.NERC-WALLINGFORD.IBMA   0793-411613

From 4957132003698499749
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,973c31b46ec6c982,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-08 07:58:11 PST
Path: gmdzi!unido!mcsun!uunet!nems!ark1!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!XEROX.COM!"hugh_davies.WGC1RX"
From: "hugh_davies.WGC1RX"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: re: Getting a ham radio operator's licence.
Message-ID: <900508-105459-13844@Xerox>
Date: 8 May 90 14:58:11 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Tue May 8 15:58:11 1990

In Vol 90, #477, usc!cs.utexas.edu!helps!bongo!julian@ucsd.edu (Julian Macassey) says;

<...I have heard a rumour that US exams are given at a British ham fest...>

Not a rumour. US exams are given regularly here, by a number of VEs. I was considering getting a US call because of frequent visits (my parents live in the USA), but hell, reciprocal licenses are free, give Tech privileges, and I don't have to sit another *stinking* Morse exam.

Hugh, G0CNR.

From 5300663102048911559
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2817e382fc52e14a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-08 08:15:39 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!cs.utexas.edu!swrinde!ucsd!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: Morse Code Standards (non-ham question)
Message-ID: <9005081515.AA03174@cmr.ncsl.nist.gov>
Date: 8 May 90 15:15:39 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 13
Posted: Tue May 8 16:15:39 1990

And then there was Jack Colson, W3TMZ. When Extras were given the chance of picking a two-letter call of their choice, Jack picked W3OZ.

```
W3TMZ   . _ _   . . . . _ _   _   _ _   _ _ . .
W3OZ    . _ _   . . . . _ _   _ _ _   _ _ . .
```

However, when one could no longer hold twe calls, he chose to give up W3OZ!
How about K2RTH, also known as K2R6 by the way he sends it.

Many people couldn't understand why W3EIS turned it in and got a 2-letter call

Bob W3OTC

From 3637085536039238891
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d187e4e93ba828bd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-08 09:54:29 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcupt1!hprnd!billt
From: billt@hprnd.HP.COM (Bill Thomas)
Newsgroups: rec.ham-radio
Subject: Re: RE: 2 meter simple j-pole
Message-ID: <1140030@hprnd.HP.COM>
Date: 8 May 90 16:54:29 GMT
References: <2615@ektools.UUCP>
Organization: HP Roseville Networks Division
Lines: 4
Posted: Tue May 8 17:54:29 1990

One of the problems in making twin lead J poles is that not all twin lead is the same. Low loss twin lead has a different velocity factor and hence the lengths are different. If possible check out the J pole on a network analyzer to find out what its resonant frequency and impedance is.

From -3861868599196716697
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8de4aaa1e26ce9d7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-08 10:07:00 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!usc!ucsd!ucbvax!ALDERAAN.SCRC.SYMBOLICS.COM!Ed
From: Ed@ALDERAAN.SCRC.SYMBOLICS.COM (Ed Schwalenberg)
Newsgroups: rec.ham-radio
Subject: Cat's Whiskers
Message-ID: <19900508170731.3.ED@PEREGRINE.SCRC.Symbolics.COM>
Date: 8 May 90 17:07:00 GMT
References: <2465@wrgate.WR.TEK.COM>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Tue May 8 18:07:00 1990

> Date: 8 May 90 00:22:56 GMT
> From: zephyr.ens.tek.com!wrgate!copper!michaelk@uunet.uu.net (Michael D. Kersenbrock)
>
> I plan to build a crystal radio, using state-of-the-art IC's for the *rest* of the unit.

Well, gee, why not build a totally digital crystal set? For the detector, you'll need an XOR gate, a flip-flop and about two feet of wire. Connect one input of the XOR gate to a square wave generator at the carrier frequency (Fc) of the station you intend to receive. Connect the output of the XOR to the other input with the two feet of wire, arranged so that you can vary the length of the wire. The output of the XOR gate will be very narrow pulses at Fc. Connect the output of the XOR to the trigger of the flip-flop. Adjust the two-foot hunk of wire until the flip-flop triggers about half the time-- that is, make the pulses so narrow that they fail to trigger the flip-flop half the time. By connecting an antenna to the trigger of the flip-flop, you can let RF energy vary that triggering percentage, and the output of the flop will vary with the instantaneous modulation on the signal. Of course, you need a low-pass filter and audio stage; a small speaker connected to an output of the flop will serve nicely.

Please note that the device described above does not meet Part 15 specifications concerning spurious emissions.

From 6356967843244943108
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,de0866b35dff9f6f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-08 10:21:19 PST

```
Path: gmdzi!unido!mcsun!uunet!mailrus!wuarchive!zaphod.mps.ohio-state.edu!
sdd.hp.com!ucsd!ucbvax!STLAWU.BITNET!MROWEN
From: MROWEN@STLAWU.BITNET (Mike Owen W9IP)
Newsgroups: rec.ham-radio
Subject: Little ceramic things
Message-ID: <9005090706.AA21086@ucbvax.Berkeley.EDU>
Date: 8 May 90 17:21:19 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6
Posted: Tue May  8 18:21:19 1990

Several weeks ago, a netmember asked about some 3/8" diam.
ceramic cylinders, rounded at the end.  I just figured out
what they are.  If the person would like to know what they
are, contact me via BitNet at MROWEN @ STLAWU

Mike Owen W9IP/2


From 3537836017452542570
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c8b9473a579b7faf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-08 15:59:03 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!VM.TCS.TULANE.EDU!PL6AAIU
From: PL6AAIU@VM.TCS.TULANE.EDU (Andrew Nulman)
Newsgroups: rec.ham-radio
Subject: Re: INFO-HAMS Digest V90 #482
Message-ID: <9005110727.AA02756@ucbvax.Berkeley.EDU>
Date: 8 May 90 22:59:03 GMT
References: <INFO-HAMS-REQUEST@WSMR-SIMTEL20.ARMY.MIL>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1
Posted: Tue May  8 23:59:03 1990

unsub Andrew Nulman


From -4583431979809338683
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc23b738f1da5871,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-08 16:29:14 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
dgc.mceo.dg.COM!Pete_Simpson
From: Pete_Simpson@dgc.mceo.dg.COM
Newsgroups: rec.ham-radio
Subject: On-glass antennas
Message-ID: <9005090029.AA00031@adam.DG.COM>
Date: 8 May 90 23:29:14 GMT
```

Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: PZS%mercury.mceo.dg.com@RELAY.CS.NET
Organization: The Internet
Lines: 21
Posted: Wed May 9 00:29:14 1990

CEO summary:

I'd advise against using them for all but low power transmitters. I have had personal experience with one and it has a very narrow bandwidth, so the SWR rises very quickly as you change frequency. I also know a commercial radio dealer who tried them and then offered me the 5 remaining ones, free! His comments were along the lines of "burns up real quick," but remember, this was commercial gear with 30 to 100 watt output. The cellular guys seem to get away with them but they're only running a watt or two. Don't know how they get wide bandwidth...

(I punched a 3/4 inch hole in my roof and put in a Larsen NMO mount and a 1/4 wave spike...ran the coax down the front roof pillar to the radio. Done it that way in 3 Japanese cars. Power for my 25 watt rig comes from the cigarette lighter (I don't smoke) and the rig is installed where the ash tray used to fit.)

Whichever way you go, I'd suggest putting "anti-seize" compund (a greasy material with flakes of metal in it...available at auto parts stores) on all threads exposed to weather and on the whip element where it enters the clamping socket. Seals against water (and salt) getting in there and corroding the connection...thereby raising SWR. Silicone grease on all "o" rings, of course.

From 3273293415594660636
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93f9163823588166
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-08 17:01:12 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!sdd.hp.com!elroy.jpl.nasa.gov!ames!pasteur!agate!shelby!portia.stanford.edu!jessica.stanford.edu!paulf
From: paulf@jessica.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: ICOM R1 Rumors
Message-ID: <1990May9.000112.7833@portia.Stanford.EDU>
Date: 9 May 90 00:01:12 GMT
References: <9354@lindy.Stanford.EDU> <7597@uhccux.uhcc.hawaii.edu>
Sender: news@portia.Stanford.EDU (USENET News System)
Organization: The Three Packeteers
Lines: 26
Posted: Wed May 9 01:01:12 1990

In article <7597@uhccux.uhcc.hawaii.edu> doug@loihi.soest.hawaii.edu (Doug Myhre) writes:

>I talked to someone at EEB, and he told me that ICOM was recalling all scanners
>and EEB was pulling their ads because of a "patent problem". This he said
>was the unofficial reason. He said the scanners were still available outside

>the country. He seemed to indicate that there was a real reason the radios
>weren't available any more and a official reason that they were told to tell
>customers. Eather ICOM is giving you some BS or this guy was giving me the
>run around.

Another call to ICOM [(206) 454-8155] and the Amateur Radio Sales Rep was
made. Again, she she said that the problem was production, and that there
was no plan whatsoever not to market the R1 in the US.

>I also called Grove Enterprises and they confirmed that ICOM was no longer
>making the R1 available in the US.

Well, she also talked to Bob Grove, and he in turn relayed EEB's comments.
She has no idea what's behind EEB's move, and that she told Grove that they'd
be shipping Real Soon Now.

Calls to AES and HRO revealed no plans to stop marketing.

Doug, something truly strange is going on here. Somebody isn't telling the
truth; either EEB is hallucinating, or ICOM is full of it...
-=Paul Flaherty, N9FZX/VK2WYX | "Unix could use a more user-friendly front
->paulf@shasta.Stanford.EDU | end. Does anyone have a card punch handy?"

From 2831043143240677152
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8a79902664d746a6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-08 20:32:29 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!zaphod.mps.ohio-state.edu!
sdd.hp.com!hplabs!hpfcso!hpfcmgw!roger
From: roger@hpfcmgw.HP.COM (Roger Jollis)
Newsgroups: rec.ham-radio
Subject: Re: Cordless Phone Monitoring in USA and GERMANY
Message-ID: <1690052@hpfcmgw.HP.COM>
Date: 9 May 90 03:32:29 GMT
References: <1990May7.174138.28262@lopez.UUCP>
Organization: HP Fort Collins, CO
Lines: 15
Posted: Wed May 9 04:32:29 1990

> In GERMANY, it is illegal to own a 46/49 type cordless phone (the USA
> type), though MANY people there do use them. The legal cordless phone

> NOTE: In Germany it is ILLEGAL to monitor cordless phones. In GERMANY
> it is illegal to monitor anything. Scanners are verboten. However, in
> practice, there are enthusiasts who DO listen.

Interesting story about the invisible cordless audience out there...

I was considering giving a 46/49 Mhz set for my American friend living in
Germany. Do you know what the chances of him getting caught with it and if
he does, what are the consiquences?

Roger Jollis
Ft. Collins, CO

From -4323071144392863694
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4daf9921ade78729
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,4daf9921ade78729
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-05-09 04:02:29 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!uwm.edu!cs.utexas.edu!ut-emx!frank
From: frank@ut-emx.UUCP (Frank Abernathy)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: PC-Pakratt patch
Summary: turn of audio
Message-ID: <29621@ut-emx.UUCP>
Date: 8 May 90 13:20:12 GMT
References: <1990May4.203531.15322@swlabs.uucp>
Organization: The University of Texas at Austin, Austin, Texas
Lines: 34
Xref: gmdzi rec.ham-radio:11337 rec.ham-radio.packet:2217
Posted: Tue May 8 14:20:12 1990

In article <1990May4.203531.15322@swlabs.uucp>, jack@swlabs.uucp (Jack Bonn) writes:

> The software indicates that it is "Unable to establish communications
> with Pakratt" and terminates.
>
> So it looks like the near term solution is to patch the timing loop to
> eliminate the problem. To save the time, has anyone on the net
> hacked/patched PC-Pakratt to eliminate this problem?
> --
> Jack Bonn, KC1UH, <> Software Labs, Ltd, Box 451, Easton CT 06612
> uunet!swlabs!jack (UUCP)   jack%swlabs.uucp@uunet.uu.net (INTERNET)
> jack@kc1uh   (TCP/IP)   kc1uh@wb1cqo   (AX.25)

I also had a problem as you described above.

What I did to resolve it was to turn down the volume, disconnect the audio-in or set the DCD Threshold to a point where the CD light doesn't come on.

Then reinitialize the I/O.

Works every time for me. PK-232/MBX with PC-Pakratt.

I suspect that having active data transitions while it's trying to initialize just blows their firmware's mind..

hope this helps
later
frank

--
Frank Abernathy, University of Texas at Austin, frank@ut-emx.utexas.edu
Work: (512)-471-3216   Home: (512)-244-0625 (ans. mach always on...)

From -6666537635746942440
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2383db3e0dcfb08a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-09 05:45:19 PST
Path: gmdzi!unido!mcsun!uunet!ncrlnk!ncrwic!encad!ensub!msjohnso
From: msjohnso@ensub.Wichita.NCR.COM (Mark Johnson)
Newsgroups: rec.ham-radio
Subject: Re: Morse Coding standards (non-ham question)
Message-ID: <325@ensub.Wichita.NCR.COM>
Date: 9 May 90 12:45:19 GMT
References: <9004242215.AA02030@ti.com> <1250157@hpnmdla.HP.COM>
Reply-To: msjohnso@ensub.Wichita.NCR.COM (Mark Johnson)
Organization: NCR Corporation, Wichita, KS
Lines: 22
Posted: Wed May 9 13:45:19 1990
Keywords:

In article <1250157@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
>
>My favorite is the (at one time) very active contest station WB5EEE
>(known in some circles as "WB5S"). After the first dash in the "B", it's
>all dits: .__ _... ....
>There used to be an operator at W1AW with the call WA9HHH. On CW, this
>sounds like the error signal.   ....

My call sign is a real turkey in Morse (WB9QLR) and little better on phone.
My first name, however, has a nice swing to it, since after the initial
double dah, it alternates:

_ _   · _   · _ ·   _ · __

Haven't run code in years, but thought I'd throw in my .02 worth. On top
of that, I can't think how many times people thought they heard an extra
dah on my last name and called me "Mary" - instant gender change :-)

--
Mark Johnson   WB9QLR/0   NCR Peripheral Products Division
Mark.Johnson@Wichita.NCR.COM   3718 N. Rock Rd.
(316) 636-8189   Wichita, KS 67226

From 7682603730974174409

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29c4871172598656,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-09 05:45:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
XEROX.COM!GCW.WBST207V
From: GCW.WBST207V@XEROX.COM
Newsgroups: rec.ham-radio
Subject: RE:TV UFH Spectrum (Was WARC RECORDINGS)
Message-ID: <900509-063741-17267@Xerox>
Date: 9 May 90 12:45:33 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: GCW.WBST207V@Xerox.COM
Organization: The Internet
Lines: 34
Posted: Wed May 9 13:45:33 1990

Jim Austin KA2RVO writes :-

>About the lack of spectrum space for the Land Modile service,
>it seems to me, that the UHF television channels are underutilized.
>In rochester we have channels 21 and 31, what is the rest of the
>space from ~500 -> ~800 MHz used for, if anything?

I suppose that there must be similar circustances in a lot of other cities
in the country ie apparently only 1 or 2 UFH stations in town.
I also live in Rochester and have recently noticed a new rather weak signal
on the air on channel 38 signing W38AW. On questioning a few people locally
I find it is a new low power (less than 1,00 watts by FCC definition)
Commercial TV station. The local FCC people did not no a great deal about
them except that there are a large number of construction permits for these
type of TV stations already issued, and an even greater number of potential
applications pending. The stations according to the FCC are meant to have
a range of 10 miles, but must not cause interrference with other channels.

Anyway I guess the bottom line is that vast wasteland of UFH that appears
to be currently unused in many areas may be very soon be consumed by the
allocated users. All of this will undoutedly put an even greater pressure
on the Ham bands.

PS anybody have some more info on these low power TV stations ?

Cheer' s and 73's   Geoff   G4JJO

-- Geoff C. Williams,
Building 207-02B   Landline 716-422-7422
Xerox Corporation
800 Philips Road   ARPA   G4JJO.WBST207V@Xerox.COM
Webster NY

From 6729487670177102942
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f14ab4cb09a13d2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-09 07:02:12 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!texbell!texsun!waveguide.central.sun.com!mwester
From: mwester@waveguide.central.sun.com
Newsgroups: rec.ham-radio
Subject: Help - glass-mount antennas?
Message-ID: <156@texsun.Central.Sun.COM>
Date: 8 May 90 15:42:06 GMT
Sender: news@texsun.Central.Sun.COM
Reply-To: mwester@waveguide.central.sun.com ()
Organization: Sun Microsystems, Inc. Mt. View, Ca.
Lines: 20
Posted: Tue May 8 16:42:06 1990

I posted this question a week ago or so, but I don't think it made it out...

I'm looking for any thoughts/opinions/experiences with on-glass antennas and tinted windows. Specifically I have an Antenna Specialists 2-meter glass-mount and a Chrysler mini-van with the factory "sun-screen" windows. Has anyone tried this combination or anything similar.

I'm concerned because the antenna came off my Monte Carlo last year 'cause everytime I keyed up, the cruise control turned off. There was no way to mount the shoe on the rear window without straddling at least one defroster wire... the salesman claimed that it didn't matter, just center the shoe between two wires and it would work fine (so much for my faith in instruction manuals and salesmen).

I heard somewhere that some company makes an on-glass antenna that has a groove cut in the shoe to allow straddling the defroster wires... Does anyone have any idea who this might be?

Thanks,
  Mike (KA9WSB) [mike.westerhof@Central.Sun.COM]

From 4055676369740069919
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4e0e8d64123dafe
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-09 07:20:02 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!hp-pcd!hplsla!charlier
From: charlier@hplsla.HP.COM (Charlie Panek)
Newsgroups: rec.ham-radio
Subject: Re: CW and conversation
Message-ID: <5720066@hplsla.HP.COM>
Date: 8 May 90 16:02:39 GMT
References: <9005050651.AA01128@ucbvax.Berkeley.EDU>
Organization: HP Lake Stevens, WA

Lines: 20
Posted: Tue May 8 17:02:39 1990

>/ rec.ham-radio / MROWEN@STLAWU.BITNET (Mike Owen W9IP) sez:
>
>   However, I have found that I simply
>cannot speak while sending. Listening to others speak, even while
>copying CW, is easy, but I can't utter a sound while sending. I suspect
>that the fact I'm left-handed has something to do with it (you know,
>brain organization and all that).
>
>Has anyone else encountered this, or have any suggested interpretation?
>
>Mike Owen W9IP
>----------

I'm right handed, but suffer from the same "disability". My wife
finds this extremely amusing; she'll ask me a question while I'm sending,
I get red in the face, stop sending for a second, blurt out a reply,
and resume. Guess my brain has DOS for an operating system instead of UN*X
;-)

Charlie KX7L

From -4775259715291132137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4cba013517b85e9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-09 07:25:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!CMS.CC.WAYNE.EDU!MEDELMA
From: MEDELMA@CMS.CC.WAYNE.EDU (Mike Edelman)
Newsgroups: rec.ham-radio
Subject: New AEA Antenna & Unrelated Matters
Message-ID: <9005110725.AA02604@ucbvax.Berkeley.EDU>
Date: 9 May 90 14:25:22 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 22
Posted: Wed May 9 15:25:22 1990

I was looking at an ad for the new AEA antenna ad in AES's latest
catalog, and I'm slightly intrigued. It's another varient on the
small capacitively tuned loop idea- just a loop and a big remotely
tuned capacitor mounted on the roof (or tower, or whatever).

Has anyone played with this thing yet, or perhaps with other varients
on the same idea..?

In a completely unrelated matter: I apologize in advance for asking on this
list, but since I have run into a number of blind alleys and this group
has so many educated technical types....:

I need a software package- micro (IBM, Mac) or mainframe (IBM), object or source, for monitoring our University's compliance with NRC license requirements regarding radioisotopes. It should keep track of who's got what, compute decay rates and so forth. I'm sure there's something out there better than the awful FORTRAN program someone wrote here 20 years ago...and I don't feel up to writing another one :). Thanks...

Mike Edelman KE8YY
medelma@cms.wayne.cc.edu
medelma@waynest1 (bitnet)

From 9131181216994372866
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8de4aaa1e26ce9d7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-09 07:49:28 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: Cat's Whiskers
Message-ID: <44315@iuvax.cs.indiana.edu>
Date: 8 May 90 18:55:35 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 19
Posted: Tue May 8 19:55:35 1990

> My old cub scout handbook said to use a safety pin and a piece of
> galena (lead crystal). You probe the galena until you find a spot
> that behaves like a diode...

The crystal set that has been diagrammed in the Cub Scout handbook forever DOES NOT WORK because the sliding coil-tap makes shorted turns. Kits were even produced, and they didn't work either. I suspect the original author never tested it.

It's about time they published something workable, using available parts. There have been lots of excellent but simple crystal-set articles in magazines like _Popular Electronics_ since the '60s. Does anybody out there have connections with the BSA publishing establishment?

--

Frank Reid   reid@ucs.indiana.edu

From -3808195304688719558
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ba856d3097d2e05e
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-05-09 08:38:12 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: QST article?
Message-ID: <1250160@hpnmdla.HP.COM>
Date: 8 May 90 16:02:00 GMT
References: <56500004@uxa.cso.uiuc.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 25
Posted: Tue May 8 17:02:00 1990

>>
>> If it`s possible, and there`s an article on it, is there a file someplace
>> to grep to find the issue of QST that would have an article on crystal

>Materials:

>   some carborundum or diamond dust, grade 600 or 1200 grit is best
>   distilled water
>   solvent alcohol

Back in the good old days, I got a half-dozen surplus crystals right at the bottom end of the 40 meter Novice band and ground them up using a piece of plate glass and a "slurry" of water and Ajax cleanser. This works OK if you are only trying to move the frequency 20 or 30 kHz, but it does tend to reduce crystal activity if you are not careful. The trick is to try to keep the two crystal faces exactly parallel -- in other words, try to make the grind as even as possible.

I had heard that toothpaste works well for crystal grinding. I could never make it work. Perhaps a "whiter than white" abrasive-type toothpaste would work better.

Good luck!

Al N1AL

From -6922968254621786819
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a22fb121fdff29fc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-09 09:43:52 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!elroy.jpl.nasa.gov!ames!amdahl!pacbell!att!drutx!druhi!n2ic
From: n2ic@druhi.ATT.COM (LondonSM)
Newsgroups: rec.ham-radio
Subject: Sunspot Cycle 22 - What's going on ?
Message-ID: <4781@druhi.ATT.COM>
Date: 9 May 90 16:43:52 GMT
Distribution: rec

Organization: AT&T, Denver, CO
Lines: 74
Posted: Wed May 9 17:43:52 1990

Many of you may have noticed the sharp drop in the solar flux this month (down to 121), and wondered what's going on with sunspot cycle 22 !

Are we headed back down already ? Will 10 meters be any good this fall and winter ?

By using solar flux data from the SESC (given to me by W1GD), I have examined the current sunspot cycle, and have tried to make some comparisons with the previous 3 sunspot cycles.

To examine the sunspot cycles, I have taken a 12 month running average of the solar flux numbers. I call this the "smoothed solar flux". This tends to damp out the day-to-day and month-to-month variations that confuse the issue !

Cycle 22 (the current cycle) rose monotonically until June, 1989, peaking at a smoothed solar flux of 214. The smoothed solar flux stayed at 213 or 214 from June 8, 1989, until July 12, 1989. From mid-July, until November, 1989 (the latest date from which a 12 month running average can be constructed), there has been a downward trend in the smoothed solar flux. The flux has been between 205 and 206 from September 12, 1989 until the most recent date (November 6, 1989). This represents a 9 point drop from the peak. Another way to look at the peak interval is to examine the interval of time that the flux was within 9 points of its peak value. For cycle 22, the smoothed flux was 205 or greater from April 17, 1989 until the "current" date of November 6, 1989 - an interval of slightly less than 7 months.

Now, a comparison with previous solar cycles:

Cycle 21 rose monotonically until April, 1980 (smoothed flux = 199), then dropped 3 points, then rose to a smoothed flux of 201 in October, 1980. Cycle 21 then dropped 6 points, before rising to the cycle peak of 204 in April, 1981. There was then a 4 point drop, followed by another cycle peak of 204 in September, 1981. Finally, cycle 21 dropped rapidly.

Cycle 21 was within 9 points of its peak value for an interval of 25 months.

Cycle 20 was bizarre ! There was no pronounced peak. The smoothed flux maximum was only 156. However, cycle 20 was within 9 points of its peak value for an interval of 40 months.

Cycle 19 rose monotonically until June, 1957 (smoothed flux = 233), dropped 2 points, then rose to 243 in December, 1957. Cycle 19 then dropped 2 points, before rising to the cycle peak of 245 in March, 1958. The flux fell rapidly following the cycle peak. Cycle 19 was within 9 points of its peak value for an interval of 9 months. However, cycle 19 had a smoothed solar flux above 200 for 33 consecutive months !

Observations:

It seems that the higher the absolute value of the maximum smoothed solar flux, the more "peaked" is the cycle (a faster rise and decay).

If cycle 22 has already passed its peak, it will be remarkable in terms of the short length of time it was near its peak value. This tends to imply that perhaps cycle 22 has not yet reached its peak value.

On the other hand, cycle 22 has already dropped 9 points from its peak value. None of the other 3 sunspot cycles that I compared against had dips of more than 6 points before rising to the cycle peak. The 9 point drop of cycle 22 seems to imply that we are past the peak.

Conclusion:

The jury is still out on cycle 22. Only time will tell !

Steve, N2IC/0

```
From -4747026175284024003
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fa194f3e3d4c86e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-09 10:19:26 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!ULKYVM.BITNET!MEHARP01
From: MEHARP01@ULKYVM.BITNET (Michael Harpe)
Newsgroups: rec.ham-radio
Subject: Status of the ICOM R-1
Message-ID: <9005110729.AA02891@ucbvax.Berkeley.EDU>
Date: 9 May 90 17:19:26 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: University of Louisville
Lines: 26
Posted: Wed May  9 18:19:26 1990
```

Well, folks it appears that the ICOM R-1 was either vaporware or just couldn't be sold in the U.S. The ICOM folks at Dayton said the radio has been "cancelled indefinitely" and EEB says that they may still get some someday. EEB said ICOM was citing "production problems" as the reason for cancelling the receiver.

What's interesting is that ICOM ran a back cover ad on the May issue of Popular Communications advertsing their new receivers. EEB (a major ICOM

dealer) had also run ads for May, 1990. The people at EEB sounded really
annoyed at ICOM for pulling this rig so suddenly. I sense a production
yield or tariff problem here. I personally think the radios exist and they
and they can't get them into the U.S.
This is a Stone Cold Bummer :-(:-(. I was really looking forward
to that radio.

Anyone else heard anything?

```
----------------------------------------------------------------------
Michael Harpe, N4PLE                   | BITNET: MEHARP01@ULKYVM
106B Ormsby Building                   | VOICE:  502-588-7785
University of Louisville               | FAX:    502-588-5048
Louisville, KY  40292                  | AURAL:  "Mike!"
----------------------------------------------------------------------
"Sir, there is a large multi-legged creature crawling on your shoulder"
                                                  - Spock
```

From -8065616479214292515
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e73637ef6fb3b898
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-13 00:44:49 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Cellular Telephone
Message-ID: <30500537@ux1.cso.uiuc.edu>
Date: 13 May 90 07:08:00 GMT
References: <7624@lynx.UUCP>
Lines: 76
Nf-ID: #R:lynx.UUCP:7624:ux1.cso.uiuc.edu:30500537:000:4252
Nf-From: ux1.cso.uiuc.edu!phil   May 13 02:08:00 1990
Posted: Sun May 13 08:08:00 1990

> From what I have read, it is unlikely that there will be a new set of freqs
> assigned for a new system, and upward compatibility will be the goal of the
> new digital cellular system. Lots of people who own the presently available
> analog cell phones are not going to rush out and buy a brand new digital
> capable cell phone......they have already made an investment in equipment
> and are going to want that equipment to continue to work.

An article in Mobile Electronics has said that there will be dual mode phones
available because people won't want digital only to begin with. They mentioned
that even if digital can be made as cheap as analog, which is not expected,
that the dual mode would still be even more costly. Yet for some who really
want a channel in downtown LA at rush hour, the cost might well be worth it.

> Also, analog only phones will probably be available for some time after the
> digital capable phones come on the market....the digital capable phones will

> be more expensive at first, but will drop in price as the production ramps up.
> A few years after digital is available, I expect to see all phones offered for
> sale to have digital capability, the result of lower cost of the phones and
> the cell companies' desire to increase the availability of useable channels to
> consumers.

I can believe this.

You might even see salesmen telling customers that the new digital cellular
is even "MORE SECURE than analog", even though analog is still "completely
secure".

> The plans that I have read about will use the standard cell freqs with an FDMA
> scheme, and will multiplex four digital voice signals onto one present 30 KHz
> channel....a kind of FDMA/TDMA system. Each of the new digital cellphones will
> be assigned a time division slot and a channel each time it switches from cell
> to cell, when it is operating in the digital mode. The new digital cellphones
> will be upward compatible with the old system in a fashion similar to the way
> the expanded spectrum phones (832 chanels) are upward compatible with the old
> original specturm phones (666 channels).

And what is the slicing rate? That automatically forces a wider signal if it
is very high. They cannot slice ABOVE the audio range as that would splatter
all over the place. They will have to packetize somewhere in the 100 hz
range.

> The digital cell phones will also be capable of using the analog system, and
> will be agile enough to switch quickly so that a user is not even aware
> (except perhaps by an increase in noise when the analog is being used). Thus,
> as the user of a digital capable phone moves from one cell to another, the
> switchover might involve not only a channel switch, but a change from use of
> the analog signal format to the digital signal format!

Would be a nice feature. But surely they can do this on two cellular bands
as well.

> Initially, digital will probably only be available in the most dense urban
> areas, and only a few channels per cell will be assigned to the digital
> service. The MTSO, which handles all of the channel assignements as the
> cell phones move from cell to cell, will know which phones are capable of
> digital, and which are analog only. It will then assign channels and time
> slots, and analog/digital modes, with this information accounted for.

> As digital phones become more popular, the number of channels at each cell
> site that is assigned to digital will be increased.....this will happen more
> quickly in major urban areas, and perhaps not for another 20 years or so
> in the sparsely populated rural areas of the US. I think the process will
> be rather like the way that the digital pagers took over the frequencies
> assigned to analog pagers: it happend gradually over a period of years, mostly
> in major urban areas, and in some rural areas not yet, if ever.

I would hope this is the approach they will take.

> Also, I read that the first tests of compatible digital cellular were
> succesfully carried out.....digital is on its way!

But what about the salesmen who lie about security?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -1525267744369584883
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f409509ddbfdff01,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-13 01:29:25 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!voder!pyramid!prls!philabs!
briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: TM731A function beep disable procedure
Keywords: no disassembly needed, but don't blame me if you break it! WA2ISE
Message-ID: <95115@philabs.Philips.Com>
Date: 12 May 90 14:20:08 GMT
Sender: news@philabs.Philips.Com
Lines: 18
Posted: Sat May 12 15:20:08 1990

copied from packet:

```
 Msg# TSF  Size #Rd Date/Time MsgID        From   To
26203 BF   2688   1 0426/1600 6834_KA5BML  KG5JJ  ALL@NYNET ()
  Sb: Kenwood TM 731A Function Beeps

  I found no mention of how to disable those irritating status and function
  beeps in the manual supplied with this rig, and stumbled across it by
  accident.
  1-Turn rig off.
  2-Depress call key and hold.
  3-Turn rig on.
  4-Release call key.
  This will ensure your sanity under any and all operating conditions.
  --73-- de KG5JJ (Mike) @ KA5BML.AR.USA
==============================================================================
```

A notice found on a piece of test equipment made in Japan:
"IT PUT ON THE VINYL SHEET ON THE SURFACE OF UPPER & LOWER PANEL FOR THE
PROTECTION PLEASE USE AFTER TEAR OFF VINYL SHEET WHEN USING.

From -8383609843027311158
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3b1a89cf2b98cc8c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-13 04:29:06 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!sdd.hp.com!ucsd!hub.ucsb.edu!ucsbuxa!6600dong

From: 6600dong@ucsbuxa.ucsb.edu (Dong Hwan Kim)
Newsgroups: rec.ham-radio
Subject: Talking to someone in Korea
Message-ID: <5274@hub.ucsb.edu>
Date: 13 May 90 08:54:50 GMT
Sender: news@hub.ucsb.edu
Distribution: rec.ham-radio
Lines: 3
Posted: Sun May 13 09:54:50 1990

I do now know much about Ham-Radio and I just want to know how I can communicate with my friend in korea thru ham-radio.
Is the novice license enough for me to talk to me friend in Korea?
Do I need to buy a very good radio since Korea is so far from USA?

From 5838162455688457154
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d22681f4d8ca9f5b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-13 10:38:47 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!samsung!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!kd4nc!ke4zv
From: ke4zv@kd4nc.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Looking for 2m HT purchase advice.
Summary: Yaesu bashing
Message-ID: <4487@kd4nc.UUCP>
Date: 13 May 90 14:58:30 GMT
References: <10110001@hpislx.HP.COM> <30500532@ux1.cso.uiuc.edu>
Reply-To: ke4zv@kd4nc.UUCP (Gary Coffman)
Organization: none
Lines: 23
Posted: Sun May 13 15:58:30 1990

This is a reply to the spate of Yaesu bashing in this thread. While I have owned every Icom radio imported into this country at one time or another, the radio that regularly hangs on my belt is a Yaesu FT470. This radio has been dropped on cement, stepped on, sat on, and dropped in water yet it continues to function perfectly. It has more USABLE features than any handheld that I have ever used. In side by side comparisons with my IC2AT, u2AT, and IC4AT, it wins in sensitivity and is no worse in intermod performance than my IC900 mobile rig. It has a METAL case that doubles as it's heat sink (yes it can get hot if you yak a lot on UHF with the 12 volt battery pack). It has the best night illumination of ANY handheld, even the TTpad keys are backlit. The scaning system is the most flexible I have seen. The ability to work duplex is superb. It will act as a crossband repeater with NO mods. I have only two complaints, the belt clip supplied is too flimsy--use an ICOM clip -- and the internal speaker is too small and inefficent--use a headset or earphone. If Yaesu fixes the audio and supplies a stiffer belt clip, this would be the perfect handheld available for $396. Icom makes excellent radios even if they are stodgy and pricey, and Kenmore (er Kenwood) makes some cheap HiFi equipment, but for the best HT for the money the FT470 has no competition.

Gary KE4ZV

From -2726187161829414198
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9ef91968331543e6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-13 12:44:17 PST
Path: gmdzi!unido!mcsun!uunet!samsung!umich!fog!kschang
From: kschang@fog.ann-arbor.mi.us (Ken Schang)
Newsgroups: rec.ham-radio
Subject: Mac to Icom IC-765
Message-ID: <1990May13.165706.855@fog.ann-arbor.mi.us>
Date: 13 May 90 16:57:06 GMT
Organization: Fog, Ann Arbor, MI
Lines: 4
Posted: Sun May 13 17:57:06 1990

Is anyone aware of a program to interface my IC-765 and Mac through Icom's computer interface? If so, please describe the program and advise of how I could obtain it.
Tnx and 73 de Ken, W8LU

From -2748881655588462314
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fa194f3e3d4c86e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-13 14:49:09 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Status of the ICOM R-1
Message-ID: <2242@anasaz.UUCP>
Date: 13 May 90 15:57:42 GMT
References: <30500530@ux1.cso.uiuc.edu>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 26
Posted: Sun May 13 16:57:42 1990

In article <30500530@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
]The rumors on this will go on for a while. When the radio does ship
]in the US, its features or lack thereof will tell some of the story.
]If the cellular frequencies are removed, then I personally would urge
]that the radio be boycotted as a form of counter pressure to the
]manufacturers to convince them that buckling under to pressure from
]other sources is not to be taken trivially. There is no valid reason
]to delete any frequency range in the receiver.

Errr.... if they make it trivially easy to restore the coverage (remove a diode or chip resistor), then I see no reason to flame them. They (and we) get the best of both worlds: the cell phone profiteers are satisified and don't further screw things up; and, we still have full coverage.

I would point out that the cell phone profiteers had enough power in 1986 to get absurd provisions added to the ECPA. They could do it again if sufficiently threatened. How would you like them to buy congress to pass a law that said: "Import, manufacture or modification of a receiver which results in a capability to receive the xxx-yyy frequency range is a class x felony" or some such rot?

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--
John Moore HAM:NJ7E/CAP:T-Bird 381  {asuvax,mcdphx}!anasaz!john john@anasaz.UUCP
Voice: (602) 951-9326 (day or eve)   FAX:602-861-7642  Advice: Long palladium,
USnail: 7525 Clearwater Pkwy, Scottsdale, AZ 85253     ......: Short petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!
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```
From 7150230587262968349
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6604267f854ebee,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a6604267f854ebee,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-14 01:08:37 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!att!cbnewse!parnass
From: parnass@cbnewse.att.com (Bob Parnass, AJ9S)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Two scanner patents
Keywords: lockout, priority scan, GRE
Message-ID: <1990May13.221801.10819@cbnewse.att.com>
Date: 13 May 90 22:18:01 GMT
Followup-To: rec.ham-radio
Organization: AT&T Bell Laboratories, Naperville, IL
Lines: 90
Xref: gmdzi rec.ham-radio:11464 rec.radio.shortwave:1219
Posted: Sun May 13 23:18:01 1990
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x

TWO SCANNER PATENTS

by Bob Parnass, AJ9S

Here is the information I published a few years ago about two of the scanner patents held by General Research Electronics (GRE), makers of most Radio Shack scanners. You can find out this type of information by spending a few minutes in your corporate or academic law library.

A Channel Lockout Invention

Almost every model scanner sold today provides a way to bypass, or "lock out" channels from being scanned. It wasn't always this way. The first Bearcat scanner, a crystal controlled model with a row of red lights, had no lockout provision.

On February 26, 1974, a U.S. patent was granted to a Japanese citizen for a "frequency skipping system" for scanning receivers. Patent 3,794,925 was granted to Kazuyoshi Imazeki, of Tokyo for a "Frequency-Skipping System for a Signal-Seeking Receiver."

Filed almost two years earlier, Imazeki's development was described as a "switching network" operable "to cause the scanning circuit to skip those frequencies which the operator does not want to monitor."

The need for a lockout circuit was evident: "in some situations the operator may not be interested in receiving one or more of the channels. Unless some provision is made for skipping these undesired channels, the system automatically tunes the receiver to them whereupon the operator must either listen to the undesired channel until it goes off the air or manually advance the receiver to the next channel."

Earlier lockout schemes had drawbacks. The circuitry was "relatively complex and expensive" and had "the further disadvantage of requiring almost as much time to skip a channel as that required to tune to, and through, that channel. In a system having ten or more channels of which only two or three are of interest to a particular operator, a relatively substantial amount of time is lost tuning through the 'skipped' channels."

An example of this slower scheme was the way the Heathkit GR-110 scanner accomplished lockout, by merely providing a switch in series with each crystal.

In Imazeki's scheme, an extra clock pulse was applied to the scanning counter circuit when a locked out channel was next in the scan sequence. This innovation allowed faster scanning of desired channels, by forcing the scanner to the next channel.

The patent assignee is General Research of Electronics Inc.

Priority Scanning Scheme

It was 16 years ago last month that a U.S. patent was granted to a Japanese citizen for a priority scheme for scanning receivers. On April 2, 1974, patent 3,801,914 was granted to Kazuyoshi Imazeki, of Tokyo for a "Priority-

Frequency System for a Signal-Seeking Receiver".

Filed almost two years earlier, the system provided for a "signal seeking receiver to automatically tune" ... "to a priority signal whenever it is received. During non-priority receiver operation, a scanning circuit causes the receiver to automatically scan a plurality of predetermined frequencies and tune to a received signal have a frequency corresponding to one of the predetermined frequencies."

In Imazeki's scheme, a low frequency priority oscillator periodically halts the scanner's clock circuit, interrupting the normal scan sequence. The priority oscillator's output is also connected through a multi-position switch, which allowed the user to designate an arbitrary channel as the priority channel.

The circuit diagram in the patent looks familiar. That's because it forms the basis for the priority feature found in many crystal controlled scanners. The assignee is General Research of Electronics Inc.

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============================================================================
Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihuxz!parnass (708)979-5414
```

```
From 5815285180223526795
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d284ca749f9de5d5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,d284ca749f9de5d5,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-14 01:08:41 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!rutgers!att!cbnewse!parnass
From: parnass@cbnewse.att.com (Bob Parnass, AJ9S)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Were US scanner makers pressured to omit frequencies?
Keywords: scanner radio, FCC Part 15
Message-ID: <1990May13.223637.11411@cbnewse.att.com>
Date: 13 May 90 22:36:37 GMT
Followup-To: rec.ham-radio
Organization: AT&T Bell Laboratories, Naperville, IL
Lines: 42
Xref: gmdzi rec.ham-radio:11465 rec.radio.shortwave:1220
Posted: Sun May 13 23:36:37 1990
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x

WERE SCANNER MANUFACTURERS PRESSURED TO LIMIT FREQUENCY COVERAGE?

by Bob Parnass, AJ9S

The 406 - 420 MHz band has long been used by federal government agencies for communication of sensitive information. Until just a few years ago, this range was not receivable on programmable scanners sold by Electra (Bearcat), Regency, or Radio Shack.

Speaking at a scanner club meeting in Berkeley, Illinois, an engineer from Electra confirmed the rumor that it was US government pressure which persuaded scanner manufacturers, eager for timely FCC Part 15 certification, to omit this band from their models.

Tradition was broken in 1982 when Radio Shack imported the 2020 scanner, made by General Research Electronics of Tokyo, which featured coverage down to 410 MHz. Sales literature for JIL's imported SX200 even went so far as to openly tell customers that they could "Tune Military, FBI, ..., DEA, Defense Department, Justice Department, plus other restricted radio bands no other scanner is programmed to pick up."

Not to be outdone by the imports, Electra introduced its American made Bearcat 200 with coverage to 406 MHz. Regency, whose American scanners were spec'd down to only 440 MHz, made service manuals available which revealed coverage below 440 MHz was possible on all its programmables by simply striking the "." key before entering the frequency digits.

Today, government agencies are using digital voice scrambling and spread spectrum techniques to ensure privacy of sensitive communications.

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============================================================================
Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihuxz!parnass (708)979-5414


From -5701769846422079225
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c7418902ef07921,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-14 04:49:54 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
swrinde!ucsd!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9005140701.AA12002@ucbvax.Berkeley.EDU>
Date: 14 May 90 02:49:25 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 393
Posted: Mon May 14 03:49:25 1990
```

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #696 -
Alouette 1
1 00424U 62B-A  1 90127.58418270  .00000318  00000-0  37011-3 0  3232
2 00424  80.4654 326.1110 0024348  18.5381 341.6615 13.67342437377148
ATS 3
1 03029U 67111  A 90125.73156569 -.00000074  00000-0  99999-4 0  3725
2 03029  13.0883  21.4149 0014705 206.1412 153.7924  1.00270338 82367
Cosmos 398
1 04966U 71 16  A 90128.89192676  .00076341  17261-4  42479-3 0  8493
2 04966  51.5025 337.2630 2303870  73.3551 310.6169 10.99292128587364
Starlette
1 07646U 75010  A 90125.84688953  .00000019  00000-0  11061-3 0   728
2 07646  49.8254 325.5533 0205959  51.4088 310.5075 13.82138316769929
LAGEOS
1 08820U 76039  A 90117.21641459  .00000002  00000-0  00000 0 0   715
2 08820 109.8549 337.6721 0044572 249.3013 110.3003  6.38664311 70686
GPS-0001
1 10684U 78020  A 90127.05006167  .00000008  00000-0  99999-4 0  4262
2 10684  63.7089  90.8254 0116033 199.3418 160.1732  2.00557309 75026
GPS-0002
1 10893U 78 47  A 90123.53331051 -.00000025  00000-0  00000 0 0  1767
2 10893  64.4045 331.7983 0164018  26.1366 334.7160  2.00546915 87779
SeaSat 1
1 10967U 78064  A 90128.81511761  .00000356  00000-0  16662-3 0  3305
2 10967 108.0118 238.9079 0002294 262.4796  97.5630 14.35622745620800
GPS-0003
1 11054U 78093  A 90128.31249529 -.00000024  00000-0  00000 0 0  2228
2 11054  63.9359 327.9507 0059505 117.1370 243.4902  2.00567099 84885
Nimbus 7
1 11080U 78098  A 90126.14820543  .00000195  00000-0  20602-3 0  6734
2 11080  99.1975  32.0217 0008489 191.5725 168.5235 13.83428053582222
GPS-0004
1 11141U 78112  A 90128.90908593  .00000008  00000-0  00000 0 0  3777
2 11141  63.6938  90.6516 0060664 316.3301  43.1524  2.00558640 83595
GPS-0005
1 11690U 80 11  A 90126.05823953  .00000009  00000-0  00000 0 0  9729
2 11690  64.1922  92.6965 0119238 202.9526 156.5174  2.00556083 89397
GPS-0006
1 11783U 80 32  A 90128.36103745 -.00000025  00000-0  00000 0 0  1339
2 11783  63.7249 327.5170 0150594  60.4341 301.0832  2.00556689 73525
GOES 5
1 12472U 81049  A 90126.79775538 -.00000217  00000-0  99999-4 0  9290
2 12472   3.2950  76.6886 0007806 309.7188  50.2171  1.00234549 31834
DE 1
```

```
1 12624U 81 70  A 90127.02491309 -.00000031  00000-0 -42428-3 0  4307
2 12624  89.0172 148.2989 6205199 295.9642  14.0165  3.51021837260672
SME
1 12887U 81100  A 90128.29203711  .00024116  00000-0  46495-3 0  6409
2 12887  97.6404 173.3895 0002561 130.4370 229.7103 15.47848121475096
Salyut 7
1 13138U 82 33  A 90128.91704628  .00038333  00000-0  45193-3 0  2458
2 13138  51.6015 142.6644 0002607  54.9404 305.1465 15.60971735458717
Cosmos 1383
1 13301U 82 66  A 90123.04307206  .00000177  00000-0  19668-3 0  5722
2 13301  82.9340 333.8729 0026696 288.8952  70.9308 13.67823075391509
LandSat 4
1 13367U 82 72  A 90128.85049923  .00000536  00000-0  12880-3 0  3315
2 13367  98.1686 192.1449 0002139 248.3624 111.7346 14.57139156415571
IRAS
1 13777U 83  4  A 90125.36074002 -.00000020  00000-0 -13310-5 0  7736
2 13777  99.0282 322.8185 0013358 139.9092 220.3056 13.98780762 40956
Cosmos 1447
1 13916U 83 21  A 90121.22685591  .00000249  00000-0  25271-3 0  7224
2 13916  82.9417  46.7705 0036841 272.1903  87.5036 13.74035784356227
TDRS 1
1 13969U 83 26  B 90127.03241609  .00000129  00000-0  99999-4 0  9790
2 13969   4.3440  66.3834 0001536 317.9794  41.8173  1.00256135 92660
GOES 6
1 14050U 83 41  A 90126.97314079  .00000121  00000-0  99999-4 0  1753
2 14050   2.1304  78.4714 0002898 252.8062 107.1706  1.00275218  9855
OSCAR 10
1 14129U 83 58  B 90125.54117172  .00000005  00000-0  00000 0 0  5222
2 14129  25.9728 205.7937 5970316 140.3781 283.6886  2.05880041 23857
GPS-0008
1 14189U 83 72  A 90122.93795877  .00000007  00000-0  99999-4 0  7569
2 14189  63.3228  89.3184 0148284 219.0061 139.8950  2.00707037 49855
LandSat 5
1 14780U 84 21  A 90128.94616784 -.00000751  00000-0 -16179-3 0  1905
2 14780  98.2070 189.5957 0001786  67.0556 293.0835 14.57089569329001
UoSat 2
1 14781U 84 21  B 90128.20942196  .00002199  00000-0  41582-3 0  7306
2 14781  97.9527 182.0634 0014420  16.5194 343.6345 14.65299153330114
GPS-0009
1 15039U 84 59  A 90128.50748595  .00000006  00000-0  00000 0 0  9295
2 15039  63.0908  88.2981 0021778 242.2257 117.5445  2.00612719 43249
Cosmos 1574
1 15055U 84 62  A 90125.36647347  .00000155  00000-0  15553-3 0  8726
2 15055  82.9540  93.8758 0029259  81.6674 278.7798 13.73349821294199
GPS-0010
1 15271U 84 97  A 90123.92199928 -.00000025  00000-0  00000 0 0  8275
2 15271  63.2352 327.2413 0105522 326.6741  32.6976  2.00574450 40267
Cosmos 1602
1 15331U 84105  A 90128.20506878  .00002903  00000-0  39764-3 0  2873
2 15331  82.5402  37.9603 0025121  99.8845 260.5168 14.77962154302186
NOAA 9
1 15427U 84123  A 90128.24543126  .00000316  00000-0  19201-3 0  5783
2 15427  99.1665 127.1516 0016240 119.5743 240.7047 14.12554028278343
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Cosmos 1686
1 16095U 85 86  A 90128.85303292  .00038332  00000-0  45193-3 0  6294
2 16095  51.6000 142.9498 0002246  51.1147 309.0468 15.60973509458704
GPS-0011
1 16129U 85 93  A 90127.09273594  .00000007  00000-0  00000 0 0  5264
2 16129  63.8652  89.3043 0122009 149.5144 211.1675  2.00510597 33536
Mir
1 16609U 86 17  A 90129.02218507  .00055286  00000-0  69765-3 0  6483
2 16609  51.6161 167.9661 0011247 266.1458  93.8201 15.58957057241986
SPOT 1
1 16613U 86 19  A 90128.19203166  .00000449  00000-0  22870-3 0  9370
2 16613  98.7352 203.1458 0000491  27.5962 332.5280 14.20005854 58253
Cosmos 1766
1 16881U 86 55  A 90128.93110908  .00001889  00000-0  26115-3 0  9869
2 16881  82.5229  96.3863 0022838 113.4879 246.8695 14.77438373203355
EGP
1 16908U 86 61  A 90117.80270731 -.00000047  00000-0 -56616-4 0  2210
2 16908  50.0085  50.8868 0011721  66.2389 293.9677 12.44386374168588
NOAA 10
1 16969U 86 73  A 90128.56554787  .00000791  00000-0  36420-3 0  4262
2 16969  98.6045 157.3944 0014194  28.4142 331.7806 14.23590134188971
MOS-1
1 17527U 87 18  A 90128.18894298 -.00000015  00000-0  19155-5 0  5354
2 17527  99.1100 201.2508 0000780 122.4078 237.7170 13.94866757163688
GOES 7
1 17561U 87 22  A 90127.66973979 -.00000059  00000-0  99999-4 0  5309
2 17561   0.0363 268.9641 0004829 120.8783 330.1878  1.00300593  5019
Kvant-1
1 17845U 87 30  A 90128.95811072  .00011416  00000-0  15015-3 0  1312
2 17845  51.6126 168.2843 0011924 258.1713 101.9722 15.58926778241977
DMSP B5D2-3
1 18123U 87 53  A 90128.92448438  .00000713  00000-0  39444-3 0  5792
2 18123  98.8209 320.0533 0015136 131.8913 228.3543 14.14012628148853
RS-10/11
1 18129U 87 54  A 90128.93492094  .00000195  00000-0  20309-3 0  1832
2 18129  82.9292 357.5325 0010616 224.0737 135.9606 13.72085655144061
Meteor 2-16
1 18312U 87 68  A 90125.95122763  .00000220  00000-0  18868-3 0  4225
2 18312  82.5557 323.7766 0012930  17.6903 342.4703 13.83641648137147
Meteor 2-17
1 18820U 88  5  A 90124.68578301  .00000364  00000-0  31555-3 0  2723
2 18820  82.5479  25.0423 0018193  84.9990 275.3243 13.84334414114167
DMSP B5D2-4
1 18822U 88  6  A 90128.92376769  .00000745  00000-0  35854-3 0  4799
2 18822  98.6545   8.7600 0007498  32.9005 327.2637 14.21418094117247
AO-13
1 19216U 88 51  B 90125.34576345  .00000168  00000-0  99999-4 0  1238
2 19216  57.0583 156.6296 6943088 226.4635  49.6630  2.09696073 14500
OKEAN 1
1 19274U 88 56  A 90128.83646268  .00001099  00000-0  15268-3 0  7838
2 19274  82.5188 195.1027 0020460 249.7826 110.1213 14.76879138 99115
Meteor 3-2
1 19336U 88 64  A 90126.93518888  .00000391  00000-0  99999-3 0  4789
```

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2 19336  82.5247 306.5914 0018623  49.0002 311.2706 13.16892241 85522
NOAA 11
1 19531U 88 89  A 90124.07930769  .00000457  00000-0  27229-3 0  2746
2 19531  98.9789  72.3456 0013042  51.4595 308.7740 14.11575449 82748
TDRS 2
1 19548U 88 91  B 90122.86902574  .00000109  00000-0  99999-4 0  1225
2 19548   0.0198 179.4030 0003266 252.7651 287.8809  1.00213328  4989
Cosmos 2001
1 19796U 89 11  A 90128.31416926 -.00001042  00000-0  99999-4 0  4669
2 19796  63.1567  97.9639 7105178 319.9113   5.0253  2.00586106  9003
GPS BII-01
1 19802U 89 13  A 90126.58577878  .00000016  00000-0  99999-4 0  1240
2 19802  55.0602 199.0648 0057508 161.6471 198.6252  2.00562626  8918
Akebono
1 19822U 89 16  A 90127.80077564  .00020334  00000-0  14531-2 0  5862
2 19822  75.1276 258.5137 4188984 247.5433  63.6093  7.08389251 30567
Meteor 2-18
1 19851U 89 18  A 90125.44114857  .00000189  00000-0  16080-3 0  2237
2 19851  82.5181 262.5108 0015482 120.9289 239.3396 13.83963833 59653
TDRS 3
1 19883U 89 21  B 90122.50231026 -.00000235  00000-0  99999-4 0  1242
2 19883   0.0121 329.3754 0001054 289.0258 101.6376  1.00270904  3439
GPS BII-02
1 20061U 89 44  A 90126.27095210 -.00000032  00000-0  00000 0 0  1287
2 20061  54.5938  17.6142 0083115 174.7513 185.3657  2.00559212  6650
Nadezhda 1
1 20103U 89 50  A 90124.53928427  .00000198  00000-0  19987-3 0  1216
2 20103  82.9577 317.1798 0037514 157.5059 202.7736 13.73587310 41723
GPS BII-03
1 20185U 89 64  A 90125.73878346  .00000016  00000-0  99999-4 0  1231
2 20185  54.9108 199.9267 0022204 151.8242 208.4422  2.00629936  5218
Activnyi
1 20261U 89 80  A 90128.53761093 -.00000537  00000-0 -17205-3 0  4901
2 20261  82.5925 253.7293 1258661  68.0692 304.9289 12.43661053 27662
Activnyi RB
1 20262U 89 80  C 90127.36033721  .00001170  00000-0  36338-3 0  2292
2 20262  82.5987 254.5117 1261859  70.8331 302.4653 12.43167075 27516
Magion 2
1 20281U 89 80  B 90128.51453076 -.00001844  00000-0 -58168-3 0  4905
2 20281  82.5914 253.6856 1258423  68.0141 304.9702 12.43893567 27668
GPS BII-04
1 20302U 89 85  A 90125.99203916 -.00000028  00000-0  99999-4 0  1243
2 20302  54.6434 318.7943 0032388 317.9007  41.8612  2.00376671  4021
Meteor 3-3
1 20305U 89 86  A 90125.79021151  .00000017  00000-0  32380-4 0  1231
2 20305  82.5490 247.8897 0017481  75.4119 284.8925 13.15855819 25374
COBE
1 20322U 89 89  A 90126.52582993  .00004491  00000-0  29656-2 0  1253
2 20322  99.0186 137.1646 0008560 116.3418 243.8569 14.01999644 23655
Kvant-2
1 20335U 89 93  A 90128.95808275  .00067218  00000-0  84593-3 0  2298
2 20335  51.6244 168.2660 0009783 265.0053  94.9817 15.58963606241974
GPS BII-05
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1 20361U 89 97  A 90124.26376158  .00000015  00000-0  99999-4 0   748
2 20361  54.9715 142.0705 0058784  50.4509 310.1127  2.00578522  2849
SPOT 2
1 20436U 90  5  A 90128.72064256  .00000055  00000-0  34819-4 0  1868
2 20436  98.7358 203.7207 0001210  99.4886 260.6426 14.20008351 15147
UO-14
1 20437U 90  5  B 90128.18467471 -.00002912  00000-0 -11529-2 0  1334
2 20437  98.7015 204.4080 0010697 263.2419  96.7084 14.28587248 15151
UO-15
1 20438U 90  5  C 90128.27156329 -.00000070  00000-0 -19956-4 0   798
2 20438  98.7018 204.4836 0009210 272.9326  87.0806 14.28348675 15162
PACSAT
1 20439U 90  5  D 90126.49663921  .00000390  00000-0  17130-3 0   752
2 20439  98.7042 202.7928 0010616 280.6159  79.3827 14.28697544 14916
DO-17
1 20440U 90  5  E 90128.52491509  .00000611  00000-0  25869-3 0   766
2 20440  98.7047 204.8206 0010441 277.9662  82.0333 14.28742434 15204
WO-18
1 20441U 90  5  F 90126.48601299  .00000654  00000-0  27527-3 0   758
2 20441  98.7040 202.7989 0011235 283.6659  76.3258 14.28843483 14910
LO-19
1 20442U 90  5  G 90126.41102021  .00000622  00000-0  26250-3 0   769
2 20442  98.7043 202.7345 0011264 282.6813  77.3029 14.28911423 14909
GPS BII-06
1 20452U 90  8  A 90126.43006909  .00000000  00000-0  99999-4 0   720
2 20452  54.5978 257.6754 0030665  44.1464 316.0651  2.00876980  2006
MOS-1B
1 20478U 90 13  A 90128.50223064 -.00000277  00000-0 -19284-3 0  2411
2 20478  99.1913 198.8851 0001430 125.4667 234.6650 13.94827589 12605
FO-20
1 20480U 90 13  C 90126.60941508 -.00000034  00000-0 -47653-4 0   740
2 20480  99.0431 180.9615 0541789 142.6696 221.3396 12.83130831 11413
1990 013D
1 20491U          90116.13925673 0.00000564           11082-2 0   718
2 20491  99.0470 174.6675 0471570 153.0728 209.5717 13.02737081  9623
Soyuz TM-9
1 20494U 90 14  A 90128.82990727  .00011410  00000-0  15015-3 0  1294
2 20494  51.6173 168.9333 0011391 266.6715  93.4674 15.58915886241955
LACE
1 20496U 90 15  A 90128.25869174  .00001726  00000-0  11746-3 0  1370
2 20496  43.0947 182.0270 0012727 107.3065 252.8903 15.10110598 12486
RME
1 20497U 90 15  B 90128.43369538  .00008065  00000-0  23838-3 0  1390
2 20497  43.1032 164.3497 0013098  89.5363 270.6962 15.35208288 12722
Nadezhda 2
1 20508U 90 17  A 90124.36580677  .00000141  00000-0  14010-3 0   727
2 20508  82.9514  92.2172 0046294 107.2224 253.4017 13.73204478  8999
OKEAN 2
1 20510U 90 18  A 90128.93527973  .00000817  00000-0  12349-3 0  1339
2 20510  82.5244 133.8691 0021543  45.4720 314.8231 14.73016549 10297
INTELSAT-6
1 20523U 90 21  A 90128.92599829 -.00001610  00000-0 -12271-3 0  1355
2 20523  28.3467 161.1122 0016294 119.2217 240.9986 15.03111797  8532
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Cosmos 2060
1 20525U 90 22  A 90116.74325817  .00006881  00000-0  11809-3 0  1224
2 20525  65.0254 293.0192 0009915 265.8547  94.0928 15.51981409  6691
Cosmos 2061
1 20527U          90110.23391170 0.00000127           12989-3 0   209
2 20527  82.9406 188.7193 0030435 184.8026 175.2840 13.71244824  4285
1990 023B
1 20528U 90 23  B 90116.25209824  .00000318  00000-0  33441-3 0   711
2 20528  82.9402 184.2292 0025359 154.1527 206.0898 13.72643528  5101
GPS BII-07
1 20533U 90 25  A 90126.03209041 -.00000032  00000-0  00000 0 0   442
2 20533  55.0513  17.6339 0033648 101.0004 259.4328  2.00593449   754
1990 025C
1 20535U 90 25  C 90119.93776890  .00236304  16509-4  17720-2 0   779
2 20535  37.5934 350.2506 5957213 233.0842  56.2815  4.22207149  1462
1990 026A
1 20536U 90 26  A 90122.10370766 -.00001185  00000-0  99999-4 0   780
2 20536  62.9350  19.4659 7361653 318.4665   4.7275  2.00601511   721
1990 026D
1 20539U 90 26  D 90123.19890815 -.00000836  00000-0  35903-4 0   467
2 20539  63.1476  18.9963 7337411 318.6473   4.7855  2.03011371   773
Offeq 2
1 20540U 90 27  A 90128.88977872  .00559485 -14514-4  14635-2 0   960
2 20540 143.1996 289.5649 0790221 324.9834  30.2856 14.38306325  5030
1990 027B
1 20541U 90 27  B 90123.04805883  .00708832 -16106-4  16657-2 0   794
2 20541 143.1984 260.2975 0736069 284.9261  66.9139 14.51751386  4221
PegSat
1 20546U 90 28  A 90128.60265963  .00006024  00000-0  38096-3 0   838
2 20546  94.1236 194.0816 0154845 114.0953 247.6711 14.99620137  4906
1990 028B
1 20547U 90 28  B 90122.74447785  .00003392  00000-0  26009-3 0   760
2 20547  94.1448 191.0320 0130894 131.0001 230.2685 14.95392931  4025
Cosmos 2064
1 20549U          90116.01026782 0.00000057           43968-3 0   404
2 20549  73.9807 224.1524 0017296 242.0227 117.9069 12.47018719  2487
Cosmos 2065
1 20550U 90 29  B 90123.10692118 -.00000007  00000-0  00000 0 0   410
2 20550  73.9831 214.6497 0008708 267.9873  92.0182 12.48998567  3377
Cosmos 2066
1 20551U          90115.81425470 -.00000007                    0   403
2 20551  73.9816 223.8136 0049303  55.5001 305.0697 12.59478807  2484
Cosmos 2067
1 20552U          90116.00096998 -.00000007                    0   405
2 20552  73.9808 223.6499 0039668  63.6918 296.8202 12.57707620  2504
Cosmos 2068
1 20553U          90116.10683679 -.00000007                    0   405
2 20553  73.9825 223.5724 0030768  57.5033 302.8992 12.56043351  2514
Cosmos 2069
1 20554U          90116.05451226 -.00000006                    0   400
2 20554  73.9822 223.7680 0021679  55.3317 304.9776 12.54315162  2509
Cosmos 2070
1 20555U 90 29  G 90120.39446764 -.00000024  00000-0 -11083-3 0   414
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2 20555  73.9810 218.0025 0013351  33.6226 326.5671 12.52583315  3042
Cosmos 2071
1 20556U 90 29  H 90124.02949648 -.00000007  00000-0  00000 0 0   411
2 20556  73.9817 213.3030 0002572  55.7863 304.3394 12.50727585  3491
1990 029J
1 20557U 90 29  J 90122.70329070  .00001049  00000-0  95280-2 0   453
2 20557  73.9852 216.8636 0148428 234.1468 124.5703 12.22657531  3258
AsiaSat-1
1 20558U 90 30  A 90118.10702338 -.00000306  00000-0  99999-4 0   434
2 20558   0.1484 304.1688 0000300 214.8139 201.0181  1.00269829   235
1990 030B
1 20559U 90 30  B 90123.37630193  .00016701  00000-0  55540-2 0   458
2 20559  31.2506  14.7032 7321258 192.9662 124.9166  2.22754442   584
Cosmos 2072
1 20568U          90128.55259758 0.00358175  69915-4  35317-3 0   948
2 20568  64.7634  68.8623 0035618  78.5446 282.0035 16.09595823  3981
Palapa-B2R
1 20570U 90 34  A 90126.05079716 -.00000335  00000-0  99999-4 0   478
2 20570   0.0485 324.3207 0025541 170.0350 225.7651  1.00268722   182
1990 034B
1 20571U 90 34  B 90128.46837171  .00001618  00000-0  25665-3 0   509
2 20571  22.7564 215.1517 0628014  49.8477 315.5296 13.82044053  3391
1990 034C
1 20572U 90 34  C 90120.74881329  .00016808  00000-0  18790-2 0   469
2 20572  18.9298 353.6071 7384275 190.3849 134.8717  2.17363475   368
Cosmos 2074
1 20577U 90 36  A 90125.98761081  .00000108  00000-0  10511-3 0   436
2 20577  82.9454 145.7322 0025533 246.9162 112.9301 13.73709280  2084
1990 036B
1 20578U 90 36  B 90123.06252700  .00000321  00000-0  32482-3 0   480
2 20578  82.9423 147.8765 0018514 239.3207 120.6125 13.75016174  1682
HST
1 20580U 90 37  B 90128.83179859  .00001242  00000-0  12867-3 0   531
2 20580  28.4710 139.9104 0005462  79.7768 280.3476 14.84172083  2120
Cosmos 2075
1 20581U          90128.54463238 0.00015451           66362-3 0   623
2 20581  74.0242  29.0983 0022380 314.0965  45.8526 15.22451424  1989
1990 038B
1 20582U 90 38  B 90128.20381079  .00012109  00000-0  49720-3 0   581
2 20582  74.0305  29.7676 0027738 326.9783  32.9680 15.23895717  1939
Molniya1-77
1 20583U 90 39  A 90128.20619738  .00000170  00000-0  72862-3 0   587
2 20583  62.8164 186.3338 7361595 288.2028   9.0028  2.00616887   259
1990 039B
1 20584U          90129.00650041 0.00622640  97912-5  10655-2 0   696
2 20584  62.7747 139.7957 0198518 123.8425 238.2010 15.75159490  2028
1990 039C
1 20585U          90128.87121967 0.00907339  36533-4  10200-2 0   688
2 20585  62.8200 140.6559 0244986 117.5082 245.0979 15.70792735  2001
1990 39D
1 20586U 90 39  D 90128.33749515  .00000059  00000-0 -59815-3 0   109
2 20586  62.8110 186.2100 7402915 288.1381   9.3556  1.96428991   230
Cosmos 2076
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1 20596U          90127.97485842 -.00001921          -10051-1 0   205
2 20596  63.0153 338.3885 7380724 318.2969   4.5863  2.00636250   199
1990 40B
1 20597U 90 40  B 90129.04047190  .00777783  10181-4  13501-2 0   359
2 20597  62.8191 301.0463 0232274 119.4674 242.9830 15.68031258  1649
1990 40C
1 20598U          90129.00891074 0.02602077  39200-4  10867-2 0   418
2 20598  62.8521 300.2755 0175033 122.8706 239.0278 15.96218455  1656
1990 40D
1 20599U 90 40  D 90127.87298639  .00000792  00000-0  29134-2 0   157
2 20599  63.1588 338.1092 7355706 318.4265   4.6199  2.03458325   197
1990 41A
1 20602U 90 41  A 90129.02221472  .00011413  00000-0  15015-3 0   104
2 20602  51.6142 167.9742 0010876 265.6195  94.5088 15.58932302   500
1990 042A
1 20604U          90129.32422831 0.00556617  39078-4  26573-3 0    86
2 20604  62.8428  89.0059 0150687  65.9637 299.1184 16.00080371   255
1990 042B
1 20605U          90128.82365000 0.01844714  40335-4  88767-3 0    96
2 20605  62.8235  91.0018 0089235 117.5106 255.2482 16.11699605   178
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Dr TS Kelso                          Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil         Air Force Institute of Technology
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From -4304333757183101054
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d22681f4d8ca9f5b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-14 08:55:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpcc01!aspen!hpcuha!hpda!hpcupt1!hprnd!!stan
From: stan@.HP.COM (Stan Witherspoon)
Newsgroups: rec.ham-radio
Subject: Re: Looking for 2m HT purchase advice.
Message-ID: <15780003@.HP.COM>
Date: 14 May 90 15:55:27 GMT
References: <10110001@hpislx.HP.COM>
Organization: HP, Systems= Technology= Div.,= Roseville,= Ca.=
Lines: 44
Posted: Mon May 14 16:55:27 1990
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I have had good luck with both Kenwood and Yaesu (TH-21AT and Ft-411). The 411 uses the same battery packs/accessories as the Ft-23. I also prefer the smaller HT's so that I can carry them in my pocket. Because they are small, I can take them on lots of occaisions where I wouldn't want to have a radio hanging off of my belt. Several times I have forgotten that it is there!. Five other people here at HP in roseville have the Kenwood TH-25AT and are very happy with them. One person has both the TH-25At and the FT-411 in his family. The father prefers the TH-25AT and the son prefers the ft-411. One problem I have worried about with the newer radios is that they in general are more suseptable to intermod and interference because of the wide recieve coverage. I would think that it would be harder to keep IM and interference down on a front end that tunes 40MHz than on a front end that only tunes 4Mhz.

I guess my advice is; figure out what your requirements are and then talk to as many people as possible with different radios as possible. (I would have looked at ICOM more seriously when I bought my Ft-411 if I could have found someone that had one in my area!) If they will let you, play with the radio and see how it feels and how easy it is to operate, whether the controls are solid and in the right place (especially if you are left handed!). Don't forget to ask people where they bought it and if they have had any problem with service.

Last of all, when you get your radio, BUY THE SERVICE MANUAL. They usually cost about $15 and are well worth the cost even if you don't intend to work on it yourself. Buy it now, not three years from now when somthing breaks, the service center is out of copies and has to order it from Japan, or the local dealer says "Gee, I could fix it real soon, but I don't seem to have the service manual for your model .....". The manual is also good for figuring out what that extended receive/cellular/more memory/RS-232/etc mod really does (This may take some work , the manual gives you clues, not answers).

Good luck,

Stan

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~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
~  Stan Witherspoon            ~      Disclaimer      ~
~  Systems Technology Division ~~~~~~~~~~~~~~~~~~~~~~~~
~  Hewlett Packard Company     ~ These are my         ~
~  8010 Foothills Blvd.        ~ personal opinions    ~
~  Roseville Ca. 95678         ~ and do not represent ~
~  Phone: (916) 785-5071       ~ the views of anyone  ~
~  RF: N6SCE                   ~ or anything else     ~
~  Email: ucbvax!hplabs!hprpcd!stan                   ~
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
```

From 1465903675188515921
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,27e65c1fbe9a9f5e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-14 10:34:29 PST
Path: gmdzi!unido!mcsun!sunic!nuug!ifi!hornet!geirha
From: geirha@hornet.uio.no (Geir Egil Hauge)
Newsgroups: rec.ham-radio
Subject: RE: Crossed Field Antennas (CFAs)
Message-ID: <CMM.0.88.642700952.geirha@hornet.uio.no>
Date: 14 May 90 16:02:32 GMT
Sender: news@ifi.uio.no
Lines: 6
Posted: Mon May 14 17:02:32 1990

I have heard something about a new antenna called Crossed Field Antenna. This antenna is said to be as good as ordinary antennas, but is very small in size, and can be placed in the desk, at a window. Is there anybody out there, who has tried this kind of antenna?

-geh

From -3952043263238444865
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fa194f3e3d4c86e
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X-Google-ArrivalTime: 1990-05-14 11:05:30 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!rpi!uupsi!sunic!luth!hagbard!bj
From: bj@dc.luth.se (B|rje Josefsson)
Newsgroups: rec.ham-radio
Subject: Re: Status of the ICOM R-1
Message-ID: <1460@hagbard.dc.luth.se>
Date: 14 May 90 16:56:20 GMT
References: <30500533@ux1.cso.uiuc.edu>
Organization: University of Lulea, Sweden
Lines: 26
Posted: Mon May 14 17:56:20 1990

Hi!

I talked to the Swedish ICOM rep. (Swedish Radio Supply) today about the availability of ICOM R1 and R100. They have starded shipping R100s to their customers now, and expect the first batch of R1's in the beginning of June. The person I spoke with didn't expect any trouble in getting the R1 (they are getting the radios directly from Japan).

They have orders on the R1 covering two months of deliveries so if I order one now, I will get it in the end of July.... There are also a shortage of R100's, one month delivery time there.

If ICOM in the US are having trouble, perhaps there is a possibility for some of You to buy japaneese radios from Europe :-) SRS are accepting major credit cards etc.

(No - I am not paid by SRS to say this, I'm not even sure they're selling things overseas.)

```
--Borje
-----------------------------------------------------------------------------
Borje Josefsson, Computer centre, University of Lulea, S-951 87 Lulea, Sweden
Tel: +46 920 91 262 (direct), +46 920 91 000 (operator).  Fax: +46 920 972 88

Domain:  bj@dc.luth.se                Path: {uunet,mcsun,sunic}!dc.luth.se!bj
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From 7277567386556020037
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fd24f215aaf8d710

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-14 12:05:41 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucla-cs!smcnet!neal
From: neal@smcnet.smc.edu (Neal Pollack)
Newsgroups: rec.ham-radio
Subject: Re: Packet/Internet gateways
Summary: NO WAY
Message-ID: <1990May14.165043.20321@smcnet.smc.edu>
Date: 14 May 90 16:50:43 GMT
References: <223.UUL1.3#5131@mvac23.UUCP>
Organization: Santa Monica College, CA 90405
Lines: 28
Posted: Mon May 14 17:50:43 1990

In article <223.UUL1.3#5131@mvac23.UUCP> thomas@mvac23.UUCP (Thomas Lapp) writes:
>I've often seen messages on this net which have been reproduced from packet
>sources. I'm wondering if there is either 1. a gateway packet machine which
>allows someone like me to send e-mail to a packet site or 2. someone on the
>east coast of the USA who is interested in performing that function.
>internet   : mvac23!thomas@udel.edu or thomas%mvac23@udel.edu
>uucp   : {ucbvax,mcvax,psuvax1,uunet}!udel!mvac23!thomas

Unfortunately, this is not currently permissible. Internet permits the seven bad words, commercial messages, and any other form of free expression.

Under FCC rules, an Internet (as in the existing DARPA Internet) Gateway would need *amazing* computational power to filter each message and determine if it was commercial for sale junk, bad words, etc.

We were interested in using packet to distribute the UseNet BBS type of news system that exists on the Internet. While the technology was not a problem, even for 1 MegaBit Links, the Rules were a definite obstacle.

Neal

--
Neal Pollack - Santa Monica College Telecommunications Department
N6YFM   1900 Pico Blvd., Santa Monica, CA 90405-1628
Voice: Work- 213-450-5150 x9845 Internet: neal@smc.edu
UUCP: uunet!ucla-cs!smcnet!neal or ...!csun!smcnet!neal

From 718922761785305681
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6604267f854ebee
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9b5b,b4c7edebc656ec0f
X-Google-Attributes: gidf9b5b,public
X-Google-ArrivalTime: 1990-05-14 15:20:42 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!ucsd!helios.ee.lbl.gov!nosc!crash!scotto

From: scotto@crash.cts.com (Scott O'Connell)
Newsgroups: rec.ham-radio
Subject: Re: Two scanner patents
Keywords: lockout, priority scan, GRE
Message-ID: <2665@crash.cts.com>
Date: 14 May 90 18:02:16 GMT
References: <1990May13.221801.10819@cbnewse.att.com>
Organization: Crash TimeSharing, El Cajon, CA
Lines: 29
Posted: Mon May 14 19:02:16 1990
X-Local-Date: 14 May 90 11:02:16 PDT

In article <1990May13.221801.10819@cbnewse.att.com> parnass@cbnewse.att.com (Bob Parnass, AJ9S) writes:

>x
>
> TWO SCANNER PATENTS
>
> by Bob Parnass, AJ9S
>
>...
>
> A Channel Lockout Invention
>
>...
>
> Priority Scanning Scheme

Would these patents only apply to scanning RECEIVERS or would they also apply to scanning TRANSCEIVERS?

I have a Motorola Saber-III HT that scans with _Dual-Priority_ and _Lockout_ capabilities. Motorola calls this "SaberScan" (of course they also have scanning on their other radios) and has a TM on the name. I wonder if they must license the use of PRIORITY & LOCKOUT?

Also, IMHO, "PRIORTY" is a poor choice of wording for scanners & amateur radios that check a predetermined frequency once every X seconds. I have seen this from 2 to 5 seconds, never faster. Commerical gear, on the other hand, samples the pre-determined frequency several times a second allowing the operator to hear the entire transmission instead of the trailing carrier or "hang-time" of a repeater.

```
--
Scott O'Connell - KC6KFX     UUCP: {nosc, hplabs!hp-sdd}!crash!ipars!scotto
                             ARPA: crash!ipars!scotto@nosc.mil
                             INET: scotto@ipars.cts.com
```

From 4537951742634929588
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d22681f4d8ca9f5b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-14 15:23:11 PST
Path: gmdzi!unido!mcsun!uunet!kaukau.comp.vuw.ac.nz!comp.vuw.ac.nz!gp.govt.nz!gpwrdcs
From: don@gp.govt.nz (Don Stokes)
Newsgroups: rec.ham-radio

Subject: Re: Looking for 2m HT purchase advice.
Message-ID: <1194.264f3cfe@gp.govt.nz>
Date: 14 May 90 21:16:48 GMT
References: <10110001@hpislx.HP.COM> <30500532@ux1.cso.uiuc.edu>
Organization: Government Printing Office, Wellington, New Zealand
Lines: 17
Posted: Mon May 14 22:16:48 1990

In article <30500532@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
>> Yaesu is still good in features (back lit keyboard in 470), and design.
>
> Can you really read EVERYTHING on it in the dark?

Most things. There are a couple of labels on the keypad that you can't
see, but they aren't terribly important.

A nice feature of some Icom HTs is the way the lamp stays on for a time
after pressing the lamp button. I wouldn't mind this feature on the my
470.

```
Don Stokes, ZL2TNM    /  /                              PSI%(5301)47000028::DON
Systems Programmer   /GP/ Government Printing Office      Postmaster@gp.govt.nz
____________________/  /__Wellington__New_Zealand________________don@gp.govt.nz
      There is never time to do it right, but always time to do it over.
```

From 7677250597142571172
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6604267f854ebee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-14 22:37:36 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Two scanner patents
Message-ID: <30500538@ux1.cso.uiuc.edu>
Date: 14 May 90 21:11:00 GMT
References: <221801@<1990May13>
Lines: 9
Nf-ID: #R:<1990May13:221801:ux1.cso.uiuc.edu:30500538:000:443
Nf-From: ux1.cso.uiuc.edu!phil   May 14 16:11:00 1990
Posted: Mon May 14 22:11:00 1990

These patents describe circuitry techniques to achieve certain goals that
are no longer needed with today's microprocessor controlled scanners.

A feature such as skipping or not skipping a single channel is actually
rather primitive considering what could be done in software these days.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -1372474967111757430
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,83e0def944d75c51,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-14 22:37:58 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Were US scanner makers pressured to
Message-ID: <30500539@ux1.cso.uiuc.edu>
Date: 14 May 90 21:14:00 GMT
References: <223637@<1990May13>
Lines: 8
Nf-ID: #R:<1990May13:223637:ux1.cso.uiuc.edu:30500539:000:429
Nf-From: ux1.cso.uiuc.edu!phil   May 14 16:14:00 1990
Posted: Mon May 14 22:14:00 1990

I would like to know what level of technology that is used in the radios
used by the secret service agents when they are covering the president,
vice-president or other important white house staff. I would suspect they
use the low 400 Mhz frequencies. Can someone confirm?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 2032829663465026880
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8084d9b3df69d450,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-15 02:06:29 PST
Path: gmdzi!unido!mcsun!uunet!tank!ncar!asuvax!cs.utexas.edu!sdd.hp.com!ucsd!
hub.ucsb.edu!ucsbuxa!6600dong
From: 6600dong@ucsbuxa.ucsb.edu (Dong Hwan Kim)
Newsgroups: rec.ham-radio
Subject: License Renewal
Message-ID: <5300@hub.ucsb.edu>
Date: 15 May 90 04:11:31 GMT
Sender: news@hub.ucsb.edu
Distribution: rec.ham-radio
Lines: 1
Posted: Tue May 15 05:11:31 1990

Does the Ham-Radio license have to be renewed every certain years like driver's
license?

From 7487772778185033559
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e0dbebfd114d9335,start

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,e0dbebfd114d9335,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-05-15 04:54:29 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!xanth!mka
From: mka@cs.odu.edu (Mark K Arquette)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Atari Portfolio on packet = interference
Keywords: interference packet atari
Message-ID: <12527@xanth.cs.odu.edu>
Date: 15 May 90 02:56:33 GMT
Followup-To: rec.ham-radio.packet
Organization: Old Dominion University, Norfolk, Va.
Lines: 14
Xref: gmdzi rec.ham-radio:11477 rec.ham-radio.packet:2242
Posted: Tue May 15 03:56:33 1990

I need some help from the interference gurus out there. I am trying to set up a portable packet station using a kenwood th-21at, a heathkit hk-21 tnc and a portfolio. The problem is that the portfolio creates a whining sound right around 145.01 and 223.5 Mhz. I doubt that anyone has specific info on the atari but how about some general idea on supressing computer interference that are applicable to the portfolio. I know that the computer is the culpret through the process of elimination, and the realy nice part it that it only interfers when running a program, especially the term program for it. I am going to try some other programs but it's serial port is not quite standard at the low level so I doubt that they will work, also they (the other programs) are very big. The term program for the portfolio is just over 2k and includes xmodem file transfers and programmable function key strings. Oh well, any help will be appreciated.

From -2055265169369517016
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d618c03afa119e72,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,d618c03afa119e72,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-15 05:15:03 PST
Path: gmdzi!unido!mcsun!uunet!fernwood!portal!cup.portal.com!Justin_Randall_Padawer
From: Justin_Randall_Padawer@cup.portal.com
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: difference between SONY ICF-20002 and 2003???
Message-ID: <29916@cup.portal.com>
Date: 15 May 90 04:26:52 GMT
Organization: The Portal System (TM)
Lines: 5
Xref: gmdzi rec.ham-radio:11478 rec.radio.shortwave:1231
Posted: Tue May 15 05:26:52 1990

I have a Sony ICF-2002. I notice Sony now sells the ICF-2003.

What is the difference between the two radios? For that matter,
what was the difference between the ICF-2001 and the ICF-2002?
How about it, Sony experts? Can anyone shed some needed light
on this one? --Randy

From 2888718708454004743
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b4f63589fea292a6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-15 05:21:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!
ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com (DUBE TODD)
Newsgroups: rec.ham-radio
Subject: BC-654A wanted
Message-ID: <9005150105.AA21392@ti.com>
Date: 14 May 90 22:00:21 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6
Posted: Mon May 14 23:00:21 1990

I'm looking for a BC-654A radio, and/or schematics. This was a WW-II
radio transmitter-receiver operating in the frequency range of about
3.7 to 5.8 MHz. Any information appreciated.

Thanks,
Dube Todd   N5PDK

From 3474791694156862216
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1b3e273ba3eea3f2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-15 05:21:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!
ucbvax!TAMVENUS.BITNET!MCL9337
From: MCL9337@TAMVENUS.BITNET
Newsgroups: rec.ham-radio
Subject: MFJ address
Message-ID: <9005150702.AA03349@ucbvax.Berkeley.EDU>
Date: 15 May 90 05:56:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Tue May 15 06:56:00 1990

Not to try and propagate any ill feelings or anything here, but I bought an
MFJ half-wave telescoping antenna for the HT last year for about $16. Though
some will say it doesn't help any because you don't have a ground plane, my
transmission and reception improved dramatically (ANYTHING beats the ol'

stubby dummy load!).

Well, I had this for only a couple months before the antenna came separated from the connector!! This was long, long ago, and I decided to just blow it off thinking how much trouble it would be to get a replacement. Now I think I would like MFJ's address, because I think they may be interested in good PR and might actually ship me a new one. So...

Anyone got the address?? Any stories about how "friendly" they are?

Thanks!

Mark C. Lowe - KB5III

MCL9337@TAMVENUS.BITNET

From 1902298080410100932
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d22681f4d8ca9f5b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-15 05:21:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!ucselx.sdsu.edu!coxc0010
From: coxc0010@ucselx.sdsu.edu (David Tse)
Newsgroups: rec.ham-radio
Subject: Re: Looking for 2m HT purchase advice.
Message-ID: <1990May15.070114.20570@ucselx.sdsu.edu>
Date: 15 May 90 07:01:14 GMT
References: <10110001@hpislx.HP.COM> <30500532@ux1.cso.uiuc.edu> <4487@kd4nc.UUCP>
Reply-To: coxc0010@ucselx.sdsu.edu (David Tse)
Organization: San Diego State University Computing Services
Lines: 27
Posted: Tue May 15 08:01:14 1990

In article <4487@kd4nc.UUCP> ke4zv@kd4nc.UUCP (Gary Coffman) writes:
>This is a reply to the spate of Yaesu bashing in this thread.
thanks for standing w/ my posting, (i.e. Yaesu is not that bad!)

>pricey, and Kenmore (er Kenwood) makes some cheap HiFi equipment,
>but for the best HT for the money the FT470 has no competition.
>
>Gary KE4ZV

Kenwood makes mediocre Hi-Fi, not too cheap (Yorx from Taiwan is cheap :-) Kenwood once makes the best affordable tuner for Hi-Fi, you ham guys should guess the reason of Kenwood experience of RF manufacturing, and instuments like scopes.

I'm disappointed about the audio of FT470, I wish they fix it since the FT23! Is it better than FT23 though?

how is it compare to the IC24? audio? freq. range? functions?

73,

David

```
--
/*****************************************************************************/
/*    David Tse      Internet: coxc0010@ucselx.sdsu.edu (expire 5/31/90)     */
/*                  U.S. Mail: P.O. Box 15634, San Diego, CA 92115-0634, USA */
/*               Organisation: San Diego State University, California, USA   */
```

From -1909964776961522842
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2383db3e0dcfb08a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-15 06:09:21 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!usc!zaphod.mps.ohio-state.edu!rpi!crdgw1!ge-dab!tarpit!peora!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: Morse Coding standards (non-ham question)
Message-ID: <958@tsdiag.ccur.com>
Date: 15 May 90 13:09:21 GMT
References: <9004242215.AA02030@ti.com> <1250157@hpnmdla.HP.COM> <325@ensub.Wichita.NCR.COM>
Organization: Concurrent Computer Corp. Oceanport NJ
Lines: 19
Posted: Tue May 15 14:09:21 1990

In article <325@ensub.Wichita.NCR.COM> msjohnso@ensub.Wichita.NCR.COM (Mark Johnson) writes:
-In article <1250157@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:

-My first name, however, has a nice swing to it, since after the initial
-double dah, it alternates:

```
-
 _ _   · _    · _ ·   _ · __
-                ^--------- The Freudian dah
```

-On top
-of that, I can't think how many times people thought they heard an extra
-dah on my last name and called me "Mary" - instant gender change :-)
-

I didn't hear it - I saw it!!   A little Freudian dah? :-) :-)

```
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

From -2230972982559598475
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,a6604267f854ebee
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9b5b,2ca740cf7fd76d6f
X-Google-Attributes: gidf9b5b,public
X-Google-ArrivalTime: 1990-05-15 06:58:56 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!
cs.utexas.edu!hellgate.utah.edu!helios.ee.lbl.gov!nosc!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley -- W B 6 W U I)
Newsgroups: rec.ham-radio
Subject: Re: Two scanner patents
Message-ID: <2674@crash.cts.com>
Date: 15 May 90 06:56:06 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 20
Posted: Tue May 15 07:56:06 1990
X-Local-Date: 14 May 90 23:56:06 PDT

>
>I have a Motorola Saber-III HT that scans with _Dual-Priority_ and _Lockout_
>
>Also, IMHO, "PRIORTY" is a poor choice of wording for scanners & amateur
>radios that check a predetermined frequency once every X seconds.  I have
>seen this from 2 to 5 seconds, never faster.  Commerical gear, on the other
>hand, samples the pre-determined frequency several times a second allowing
>the operator to hear the entire transmission instead of the trailing carrier
>or "hang-time" of a repeater.
>--
>Scott O'Connell - KC6KFX     UUCP: {nosc, hplabs!hp-sdd}!crash!ipars!scotto


OK, so what's your point?  And will this be a long story?

**************************************************************************
Mike Shirley,  WB6WUI        INET: mikey@pnet03.cts.com
PO Box 460                   ARPA: crash!pnet03!mikey@nosc.mil
Lakeside, CA  92040-0460     UUCP: {hplabs!hp-sdd nosc}!crash!pnet03!mikey
**************************************************************************


From 1067660537065062724
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a46564225909fd1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 109e3b,13aed8b27d1ec4f5
X-Google-Attributes: gid109e3b,public
X-Google-ArrivalTime: 1990-05-15 06:59:13 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!hellgate.utah.edu!helios.ee.lbl.gov!nosc!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley -- W B 6 W U I)
Newsgroups: rec.ham-radio
Subject: Re: Boat Anchor Restoration
Message-ID: <2675@crash.cts.com>
```

Date: 15 May 90 07:36:04 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 56
Posted: Tue May 15 08:36:04 1990
X-Local-Date: 15 May 90 00:36:04 PDT

mgaidos@mentor.com writes:
>
> Yep, I'm one of those nuts you see at flea markets and swap meets,
>loading into my trunk some 100 lb hunk of iron that someone was relieved to
>be rid of. It's got to have green glowing dials, generate hundreds of watts
>of heat and weigh more than a Hyundai, or it's not a real receiver.
>
> My current project/basket case is a Hallicrafters SX-25 which has been
>
>Mark Gaidos

Reminds me what a nut I can be/am while at the local Ham Swap Meets. And yes, this might be a long story and no Scott, it has no point.

Being an avid buyer, I lack the spirit in the sales arena. But for a few months I did manage to get out there and try to hustle a buck. To whit, I rounded up most of my boat anchers and fork lifted them into the family ride and trucked off to younder arena at O'dark thirty O'clock in the morning.

...stuff and 3 wasted hours deleted...now the sun is out and I haven't made even coffee money yet. Well, I thinks that maybe these lead piles (did I tell you that these are Motorola Motracs, L recievers?) are getting the proper exposure sitting next to me, stacked 8 high. So I take one of 'um and move it out into the isle, so that folks would, well you know, sorta trip over it and discover precious cargo beneath their feet. Well, it worked right off in broad (sorry, BRIGHT) daylight. This guy picks it up and brings it back to me. What an idiot, he didn't wanna buy it. He thought somebody moved it. DAMB right! I had to lug the pile back out into the roadway. Always some yuck out there tryin' to screw with the advertizing.

Meanwhile, back at the sales lot. Another guy pulls it over to the other side of the seller's space. To my competition no less. Well Chuck is mad now. He's sellin' Micors and some CHP pull-outs with repeater options and he don't like my stinkin' Trac trashing up his neighborhood. He chucks (no pun) it across the road at me. Suc{er wieghs better than 80 pounds. Shoulda blown his arm out, but life's not fair. So I got my Trac back less some heat sink fins. I discretely placed it back into it's normal display location and

more stuff deleted.....

we had great giggles with that Trac. Guess you had to be there to get the idea of how much entertainment from folks tripping over a wayward Trac. Anyway, I wanted to leave the Tracs (all of 'um-didn't sell any) for the management to figure out, but Chuck sez he didn't want to get blamed for the waste, so I took them back home. Figure to use them as cornerstones on my next house.

Then there was the old boat-repeater that I bought just for the cabinet.
Weighed over 200 lbs with the junk technology inside....but that's a longer
story and has no point either.

```
**************************************************************************
Mike Shirley,  WB6WUI        INET: mikey@pnet03.cts.com
PO Box 460                   ARPA: crash!pnet03!mikey@nosc.mil
Lakeside, CA  92040-0460     UUCP: {hplabs!hp-sdd nosc}!crash!pnet03!mikey
**************************************************************************
```

From 1501178782077356463
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1d885ed9295c3145,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-15 08:28:07 PST
Path: gmdzi!unido!mcsun!uunet!samsung!think!linus!sra
From: sra@linus.UUCP (Stanley R. Ames)
Newsgroups: rec.ham-radio
Subject: New scanner
Keywords: scanner
Message-ID: <108998@linus.UUCP>
Date: 14 May 90 20:28:24 GMT
Reply-To: sra@linus.UUCP (Stanley R. Ames)
Organization: The MITRE Corporation, Bedford MA
Lines: 9
Posted: Mon May 14 21:28:24 1990

I have just received information on a new AOR scanner AR1000 that features
such things as 1000 channels in a hand held.

Does anyone have experience with AOR scanners and could compare them with
others in their class

Stan Ames

From -3646483608624729835
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8034f00c4e048aaa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-15 11:46:26 PST
Path: gmdzi!unido!mcsun!uunet!wa3wbu!compnect!daveh
From: daveh@compnect.UUCP (Dave Hultberg)
Newsgroups: rec.ham-radio
Subject: Need QSL Info
Keywords: Need QSL info for CQ Contest Special Calls
Message-ID: <574@compnect.UUCP>
Date: 15 May 90 03:24:06 GMT
Organization: John Core at home, Harrisburg,PA

Lines: 11
Posted: Tue May 15 04:24:06 1990

I am looking for QSL routes and/or addresses for some stations I worked during the CQ WPX phone contest March 24th. I believe most of these are special calls assigned for the contest. None of them are in the 90 callbook. I would rather not QSL via the buro because these stations are probably not known to the buro anyway. The ones I still need are ED4VPM, FF1COM, FF1MKK, PB0AIU, TM6A and Y38I.

```
--
==============================================================================
Dave Hultberg   Radio:  KA3UZR             UUCP:  uunet!wa3wbu!compnect!daveh
CIS:  72437,3215   US Snail:  1407 Concord Road, Mechanicsburg, PA  17055-1955
```

From -7591567538037833264
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d618c03afa119e72
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,d618c03afa119e72
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-15 11:46:38 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!ncar!boulder!spot!kirstein
From: kirstein@spot.Colorado.EDU (KIRSTEIN DALE)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: difference between SONY ICF-20002 and 2003???
Message-ID: <21152@boulder.Colorado.EDU>
Date: 15 May 90 16:17:37 GMT
References: <29916@cup.portal.com>
Sender: news@boulder.Colorado.EDU
Reply-To: kirstein@spot.Colorado.EDU (KIRSTEIN DALE)
Organization: University of Colorado, boulder
Lines: 5
Xref: gmdzi rec.ham-radio:11486 rec.radio.shortwave:1234
Posted: Tue May 15 17:17:37 1990

Here's one similarity; They are ALL discontinued now! The replacement is now called the SW7600. (Confusing, isn't it.)

Dale Kirstein
Founder; Society To Stamp Out Self Indulgent .sigs And Acronyms (STSOSI.sAA)

From 9193183086674036604
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,27e65c1fbe9a9f5e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-15 12:54:36 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio

Subject: Re: Crossed Field Antennas (CFAs)
Summary: References
Message-ID: <52@thoreau.nsc.com>
Date: 15 May 90 17:49:13 GMT
References: <CMM.0.88.642700952.geirha@hornet.uio.no>
Organization: National Semiconductor, S. Portland, Maine
Lines: 66
Posted: Tue May 15 18:49:13 1990

In article <CMM.0.88.642700952.geirha@hornet.uio.no>, geirha@hornet.uio.no (Geir Egil Hauge) writes:

> I have heard something about a new antenna called Crossed Field Antenna.
> This antenna is said to be as good as ordinary antennas, but is very
> small in size, and can be placed in the desk, at a window. Is there
> anybody out there, who has tried this kind of antenna?
>
> -geh

The Cross-Field Field antenna is purported to be capable of directly synthesizing the Poynting Vector. I don't have my copies of the info at hand but the relivant articles may be found in:

"Electronics and Wireless World" March 1989, Nov 1989 and March 1990.
a "flame" letter may also be found in the July 1989 issue of same magazine.

EWW is a British publication and might be found in some of the large public libraries, particularly those with technical emphasis. Some university libraries may also carry it. BTW, if any one can come up with a copy of the March 1989 article I would appreciate a copy, our library here at work lost that issue.

Schematicly the thing looks like:

```
 _______
 |     |
 |     |
 |     |      < - a cylinder
 |     |
 |     |
 |     |
 |-----|<------   feed point A

---------   <-  a torroidal disk  feed point B

_________   <-  another torroidal disk  feed point C

 -------<------   feed point D
 |     |
 |     |
 |     |    < - another cylinder
 |     |
 |     |
 |     |
              |-----|
```

The overall height is about 0.7m, cyliners are hollow and about 0.1m in diameter. The torroidal disks are about 0.15m outer diameter and 0.08m inner diameter. I don't know the spacing off hand but a good guess would be about 0.025m. The author split the drive with a phasing network and then used 300ohm twin-lead to feed the antenna. Points B and C are fed by one of the twin-lead feeds (on the inner edge of the torruses (torri?) and points A and D are fed from the other twin-lead. The feed lines come up through the lower cylinder.

That's all I have on the thing from my memory. It looks interesting as an object-d'art as well as a neat summer project. The author claims good results on 40 and 20 meters, possibly as good as his dipole. What we need is some one to put the thing through MININEC and then let's play around with it. It may be as good as the AEA loop.

Has anyone tried using surplus CATV hardline for things like the Army Loop or an home-brew version of the AEA loop?? That might be some neat material for things like that.

Ron Todd,   K3FR   the PATHFINDER guy

```
From -7336184576747498376
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8084d9b3df69d450
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-15 12:58:12 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!sdd.hp.com!hplabs!
hpl-opus!hpspdra!henryb
From: henryb@hpspdra.HP.COM (Henry Black)
Newsgroups: rec.ham-radio
Subject: Re: License Renewal
Message-ID: <12280006@hpspdra.HP.COM>
Date: 15 May 90 15:41:24 GMT
References: <5300@hub.ucsb.edu>
Organization: HP Stanford Park - Palo Alto, CA
Lines: 13
Posted: Tue May 15 16:41:24 1990
```

> 6600dong@ucsbuxa.ucsb.edu (Dong Hwan Kim) / 9:11 pm May 14, 1990 /
>Does the Ham-Radio license have to be renewed every certain years like
> driver's license?

Yup, but rules vary:

U.S.A.	Ten years	Presently no fee
U.K.	One year	UK Pounds 12

Anyone care to add entries for other places please?

Henry Black (G4NOC, KK6JR) henryb@hpspd   +1 415 857 6655   KK6JR @ WW6L

From 6449323879984428713
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,27e65c1fbe9a9f5e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-15 13:38:57 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: Crossed Field Antennas (CFAs)
Message-ID: <40971@apple.Apple.COM>
Date: 15 May 90 19:47:01 GMT
References: <CMM.0.88.642700952.geirha@hornet.uio.no> <52@thoreau.nsc.com>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 67
Posted: Tue May 15 20:47:01 1990

Regarding the Cross-field Antenna, rtodd@thoreau.nsc.com (Ron Todd) writes:

>That's all I have on the thing from my memory. It looks interesting
>as an object-d'art as well as a neat summer project. The author claims
>good results on 40 and 20 meters, possibly as good as his dipole. What
>we need is some one to put the thing through MININEC and then let's play
>around with it. It may be as good as the AEA loop.

Can MININEC really analyse aerials of arbitrary geometry? I thought
it was only good for line antennas and arrays of line antennas. I
believe you may have to go to the original NEC to get the capabilities
of analysing the CFA. I have been waiting to get some free time to
analyse the CFA by first principles (using a computer to do the
numerical integration, of course -- I am not *that* masochistic,
just barely masochistic enough to try modelling the CFA; maybe :-).

>"Electronics and Wireless World" March 1989, Nov 1989 and March 1990.
>a "flame" letter may also be found in the July 1989 issue of same magazine.

The author of the November '89 article is also selling a kit of the
CFA in G-land. Anyone on the other side of the pond tried it?

```
>Schematicly the thing looks like:
>
>              _______
>              |     |
>              |     |
>              |     |      < - a cylinder
>              |     |
>              |     |
>              |     |
>              |-----|<------   feed point A
>
>             ---------   <-  a torroidal disk  feed point B
>
>             _________   <-  another torroidal disk  feed point C
>
>              -------<------   feed point D
>              |     |
>              |     |
>              |     |    < - another cylinder
>              |     |
>              |     |
>              |     |
>              |-----|
```

An interesting variant (pretty obvious, but also written up somewhere, I forgot where I read it now) of the above is to cut the above diagram at the halfway point and installing a perfect ground plane there to get the mirror of the bottom half. Another variant that occured to me is to replace the "D-plates" by a slotted loop in this ground plane. If you go through the field equations, you can see that the H-field generated by the slotted loop is orthogonal to the E-field generated from the stubby E-cylinder, satisfying the Poynting-vector junkies :-).

I wonder if there is anyone *seriously* experimenting with the CFA who could report trustworthy real-world results to the net?

(Ron: send me a FAX number or a snail-mail address. I have the CFA article you are missing.)

73,
Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From 3102371954899847615
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5ee33917db6ca655,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-15 14:14:14 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: coax power handling
Keywords: coax power
Message-ID: <24716@usc.edu>
Date: 15 May 90 20:27:56 GMT
References: <102@ctbilbo.UUCP>
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 7

Posted: Tue May 15 21:27:56 1990

In article <102@ctbilbo.UUCP> pete@ctbilbo.UUCP (Pete Ritter) writes:
>Does anyone know the power handling capability of RG-8X?

It depends on what frequency you will be using it at. It can handle a lot more power at 80m than it can at 70cm.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From -1130682918870411996
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3be5af116c22f16a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-15 15:17:53 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!ucsd!hub.ucsb.edu!ucsbuxa!6600dong
From: 6600dong@ucsbuxa.ucsb.edu (Dong Hwan Kim)
Newsgroups: rec.ham-radio
Subject: License Fee?
Message-ID: <5315@hub.ucsb.edu>
Date: 15 May 90 21:40:57 GMT
Sender: news@hub.ucsb.edu
Distribution: rec.ham-radio
Lines: 5
Posted: Tue May 15 22:40:57 1990

How much $ does it cost to get a ham-radio license?
Do I need to pay to take a test?
Where can I take the test?

The above questions sound silly, but I am learning morse code and planning to take the test soon.

From 6038551411359650762
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7b79f6abb50d0d52,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,7b79f6abb50d0d52,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-05-15 19:00:06 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!uunet!bu.edu!husc6!bunny!dhp1
From: dhp1@GTE.COM (David Pascoe)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Looking to correspond with VLF/LF enthusiasts
Keywords: VLF,LF,propagation,homebrew,receivers
Message-ID: <9111@bunny.GTE.COM>
Date: 15 May 90 22:20:58 GMT
Followup-To: poster
Organization: GTE Laboratories, Inc., Waltham, MA

Lines: 6
Xref: gmdzi sci.electronics:6698 rec.ham-radio:11493
Posted: Tue May 15 23:20:58 1990

I would like to contact (via e-mail or postal mail) other VLF/LF radio enthusiasts. This includes those interested in any aspect of VLF/LF radio, including wave propagation, homebrew receiver construction, etc.

Please respond via e-mail if possible.

From 6517571217260982539
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5fcb0489da2ef1ef,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,5fcb0489da2ef1ef,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-15 19:10:45 PST
Path: gmdzi!unido!mcsun!uunet!voa3!eab
From: eab@voa3.UUCP (Al Brown)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Corrected Version - Voice of America Broadcast Schedules
Message-ID: <34@voa3.UUCP>
Date: 16 May 90 00:20:50 GMT
Followup-To: poster
Organization: Voice of America, Washington, D.C.
Lines: 24
Xref: gmdzi rec.radio.shortwave:1242 rec.ham-radio:11494
Posted: Wed May 16 01:20:50 1990

This is a corrected posting. My first posting included an incorrect phone number and Internet address. My apologies.

The response to my query about posting the VOA broadcast schedule was overwhelming. Dan Ferguson, in VOA Engineering, has agreed to compile the information and post it in rec.radio.shortwave. Look for it in the next few days. In addition, I am going to suggest to Dan that he repost the schedule quarterly.

For those who asked specific questions, I'll try to answer by e-mail or refer your questions to the proper people.

Thanks again for your input.

73 es good dxing.

--
E. Allen (Al) Brown (VOA/BBC)   Voice of America
Wilber J. Cohen Building, Room G-748   Broadcast Operations

```
Washington, DC 20547                          Computer Services Division
...uunet!voa3!eab                                          +1 202-619-2020
```

```
From -4459061896439491536
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b551fe45e0949e0b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-15 19:14:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: bounced mail to N4HGF
Message-ID: <30500540@ux1.cso.uiuc.edu>
Date: 15 May 90 21:34:00 GMT
Lines: 39
Nf-ID: #N:ux1.cso.uiuc.edu:30500540:000:1694
Nf-From: ux1.cso.uiuc.edu!phil    May 15 16:34:00 1990
Posted: Tue May 15 22:34:00 1990
```

I recently received some mail from N4HGF (Warren Tucker) which I tried to reply to. The reply address was wht@n4hgf.gatech.edu. Unfortunately the mail bounced with an error I frequently get from the host gatech.edu. I'd appreciated getting a better contact to N4HGF to thank him for the data he sent to me, and to ask him to see if he can get some pressure put in the gatech.edu mail sysadmin to clean up their act with respect to the mail routing there. It seems that it is routing the mail TO ITSELF!

```
> From MAILER-DAEMON@gatech.edu Tue May 15 16:19:11 1990
> Received: from gatech.edu by ux1.cso.uiuc.edu with SMTP
>    (5.61+/IDA-1.2.8) id AA20422; Tue, 15 May 90 16:19:08 -0500
> Received: by gatech.edu (5.58/GATECH-8.6)
>    id AA16536 for phil@ux1.cso.uiuc.edu; Tue, 15 May 90 17:15:49 EDT
> Date: Tue, 15 May 90 17:15:49 EDT
> From: MAILER-DAEMON@gatech.edu (Mail Delivery Subsystem)
> Subject: Returned mail: Service unavailable
> Message-Id: <9005152115.AA16536@gatech.edu>
> To: <phil@ux1.cso.uiuc.edu>
> Status: R
>
>    ----- Transcript of session follows -----
> >>> HELO gatech.edu
> <<< 553 gatech.edu I refuse to talk to myself
> 554 <wht@n4hgf.gatech.edu>... Service unavailable: Bad file number
>
>    ----- Unsent message follows -----
> Received: from ux1.cso.uiuc.edu by gatech.edu (5.58/GATECH-8.6)
>    id AA16502 for ; Tue, 15 May 90 17:14:31 EDT
> Received: by ux1.cso.uiuc.edu
>    (5.61+/IDA-1.2.8) id AA20221; Tue, 15 May 90 16:17:08 -0500
> Date: Tue, 15 May 90 16:17:08 -0500
```

> From: Phil Howard KA9WGN <phil@ux1.cso.uiuc.edu>
> Message-Id: <9005152117.AA20221@ux1.cso.uiuc.edu>
> To: wht@n4hgf.gatech.edu
> Subject: Thanks
>
> Thanks for the frequency data.
>

From -9006884904677678762
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1b3e273ba3eea3f2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-15 20:22:05 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!apple!portal!cup.portal.com!HAVANAMOON
From: HAVANAMOON@cup.portal.com (Havana - Moon)
Newsgroups: rec.ham-radio
Subject: Re: MFJ address
Message-ID: <29934@cup.portal.com>
Date: 16 May 90 01:32:45 GMT
References: <9005150702.AA03349@ucbvax.Berkeley.EDU>
Organization: The Portal System (TM)
Lines: 6
Posted: Wed May 16 02:32:45 1990

MFJ Address: MFJ ENTERPRISES, INC.
Box 494
Miss. State, MS 39762
601-323/5869
73s
"HM"

From 1711758361508558826
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d22681f4d8ca9f5b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-15 22:13:32 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!cica!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: Looking for 2m HT purchase advice.
Message-ID: <24300001@col.hp.com>
Date: 15 May 90 22:01:18 GMT
References: <10110001@hpislx.HP.COM>
Organization: HP Colorado Springs Division
Lines: 17
Posted: Tue May 15 23:01:18 1990

Regarding the differences in audio, and frequency ranges between the FT-470 and IC-24:

Audio - The FT-470 has relatively low audio level. Impossible to hear very well in a noisy car. The IC-24 has a louder amplifier and I feel it is acceptable.

Freq Range - Both radios have expanded VHF coverage (138-174). The IC-24 is easily modifiable to expand the UHF range as well. Believe it or not, following the modification, you will also enable the 800 MHz range. Also, it is possible to expand the VHF range to include the aircraft band (118-138 MHz). The radio includes a built-in am demodulator which automatically switches in/out depending upon the appropriate frequency. How 'bout them apples?

Ken Wyatt
(kenw@col.hp.com)

From -6285118172029372418
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6604267f854ebee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-15 22:13:37 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: Two scanner patents
Message-ID: <24300002@col.hp.com>
Date: 15 May 90 22:12:32 GMT
References: <1990May13.221801.10819@cbnewse.att.com>
Organization: HP Colorado Springs Division
Lines: 19
Posted: Tue May 15 23:12:32 1990

> >I have a Motorola Saber-III HT that scans with _Dual-Priority_ and _Lockout_
> >
> >Also, IMHO, "PRIORTY" is a poor choice of wording for scanners & amateur
> >radios that check a predetermined frequency once every X seconds. I have
> >seen this from 2 to 5 seconds, never faster. Commerical gear, on the other
> >hand, samples the pre-determined frequency several times a second allowing
> >the operator to hear the entire transmission instead of the trailing carrier
> >or "hang-time" of a repeater.
> >--
> >Scott O'Connell - KC6KFX   UUCP: {nosc, hplabs!hp-sdd}!crash!ipars!scotto
>
>
> OK, so what's your point? And will this be a long story?
>
> Mike Shirley, WB6WUI   INET: mikey@pnet03.cts.com

Mike, I guess I don't understand your point either. I find I must agree with Scott. Priority scan rates of several seconds is a worthless feature in a scanner. Any manufacturers listening?

From -8884162686113968138
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,781fbba7065cf176,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-16 01:50:42 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cg-atla!raybed2!ewb
From: ewb@raybed2.msd.ray.com (EUGENE BALINSKI)
Newsgroups: rec.ham-radio
Subject: New Wide Band Scanner (hand Held)
Keywords: Good Bye ICOM, Hello AOR
Message-ID: <1598@raybed2.msd.ray.com>
Date: 15 May 90 19:15:51 GMT
Organization: Raytheon Co., Tewksbury, Mass.
Lines: 33
Posted: Tue May 15 20:15:51 1990

Subject: AOR AR1000

Here's the ad for the newest AOR toy:

NEW AOR SCANNER

1000 Channels, 8-600 and 805-1300 MHz

Continuous coverage (except for 600-805 MHz UHF TV)

AM, FM and WFM modes

10 scan banks, 10 search banks

selectable priority channel

*** Selectable search increments (5 to 955 KHz)

permanant memory backup

no freqs cut out (yes it does get cellular - Gasp!)

Size: 6 7/8" H x 1 3/4" D x 2 1/2" W

12 ozs weight

Price 499.00 incl shipping

Ace Communications

toll free 800 445-7717

From 8632388564134614393
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,44a27e1f9c3c1b48,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb8d6,44a27e1f9c3c1b48,start
X-Google-Attributes: gidfb8d6,public
X-Google-ArrivalTime: 1990-05-16 04:44:47 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!sdd.hp.com!elroy.jpl.nasa.gov!grian!alex
From: alex@grian.cps.altadena.ca.us (Alex Pournelle)
Newsgroups: rec.ham-radio,comp.misc.forsale
Subject: Teletype Model 43s for sale
Message-ID: <1990May16.060024.14132@grian.cps.altadena.ca.us>
Date: 16 May 90 06:00:24 GMT
Organization: Workman & Associates
Lines: 30
Xref: gmdzi rec.ham-radio:11500
Posted: Wed May 16 07:00:24 1990

I've got a whole buuuunch of Teletype Model 43 KSR terminals, some with RS-232, some with built-in 300 baud modems. They're all in good shape, service pulls, known working. Great for any low-speed printing application, transaction recording, SMDR printing, what have you.

I'll throw in two ribbons (black, unused) per TTY, too. You can buy 'em for (no lie!) $15 each, or $25 a pair, F.O.B. Pasadena CA, plus UPS COD shipping (at our cost, straight off the UPS chart). If you're interested, please contact:

Workman & Associates
1925 East Mountain Street
Pasadena, CA 91104
818-791-7979
fax:794-2297
bbs:791-1013 8N1 24/12/3

Catch? None! I have quite a few more than I need, and would like to find good homes for them. Heck, at this price you can use them for targets!

If you'd like a quantity, call and we'll wrangle.

Alex
--
Alex Pournelle, freelance thinker
Also: Workman & Associates, Data recovery for PCs, Macs, others
...elroy!grian!alex; BIX: alex; voice: (818) 791-7979
fax: (818) 794-2297   bbs: 791-1013; 8N1 24/12/3

From 8185247074306006952
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,d22681f4d8ca9f5b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-16 05:57:20 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!mips!daver!ditka!zinn!ubbs-nh!noel
From: noel@ubbs-nh.MV.COM (N. Del More)
Newsgroups: rec.ham-radio
Subject: Re: Looking for 2m HT purchase advice.
Message-ID: <4384@ubbs-nh.MV.COM>
Date: 16 May 90 12:57:20 GMT
References: <10110001@hpislx.HP.COM> <18230011@col.hp.com>
Reply-To: noel@ubbs-nh.MV.COM (N. Del More)
Organization: Business Integration & Office Systems - Nashua, NH
Lines: 76
Posted: Wed May 16 13:57:20 1990

In article <18230011@col.hp.com> kenw@col.hp.com (Ken Wyatt) writes:
>I second John's opinions above. Particular brands to stay away from (in
>my opinion) are Yeasu (all of them) and probably some models of Kenwood.
>Also, the Icom IC-24AT might be one to avoid for a while until they start
>selling a better antenna (poor gain compared to other dual band flex types)
>and improving the display readability. Yeasu radios typically have poorly
>designed receivers and are subject to intermod and spurious reception.

Geez! I wish people (like you) would be just a little more conservative
in their remarks concerning other manufacturers equipment, especially
when you admit that you have never owned a Yaesu!

I won't comment on all of the HT's available on the market, however, I
would like to say that I am ESPECIALLY pleased with my Yaesu FT-470 dual
band HT.

This rig has everything! built in no less without ANY additional expense.
It is nearly as small as the ICOM IC-24 (appearances can be decieving),
has built in encode/decode, crossband repeat and extended vhf recieve
without modification. The list of features goes on and on. Yaesu did
have a problem with intermod on early versions of the rig, but that has
been fixed and they are upgrading older units.

The best part is the radio is commonly available for less than $400.

Now if I could only find a mobile rig that does all that the 470 does..
sorry folks... it isn't available, not even from Yaesu (dumbies!).

Two other points, the intermod problem that all manufacturers are
suffering are due in large part to the demand by Amatuers for extended
recieve on their HT's. If you open up the front end to allow extended
recieve your bound to suffer intermod to some degree or another.

Final point.... all of my vhf/uhf gear has historically been ICOM, but
you can't beat the 470 for all around performance AND price. ICOM's
nearest is the IC-24 at $570+, and then you still have to buy extras.

Heck... I liked it so much I bought two!

Noel
KC1RB

>
>I have purchased many Icom models and one Kenwood. Although Icom seems
>a bit stodgy (conservative) regarding features, they seem to make a very
>high quality and reliable product. The one Kenwood I bought (TH-21) has
>had nothing but problems.
>
>The IC-2AT was a good model, but has no memories (thumbwheel switches set
>a single freq at a time). The IC-02AT was a good general purpose radio
>with all the features you are desiring. The IC-2GAT is also good if you
>want to run up to 7 watts of power. However, there is a tradeoff between
>power and battery life. I feel that 2-4 watts is a good range to stick
>with as you will still have adequate operating life, plus most repeaters
>will work fine with those power levels; especially in Colorado where most
>repeaters are 3 to 5 thousand feet above you! Icom also has very good
>service support. They have provided me with small parts for free and are
>always very helpful. Kenwood also seems to have good service support, but
>I recently had to order an electret microphone element for my TH-21. The
>mic element was about the size of an aspirin tablet and weighed maybe all
>of 1/100th of an ounce, but they insisted on charging $4.00 for "shipping
>and handling"! The part itself wasn't so bad (about 5.50).
>
>As an aside, when I owned the IC-2AT, I was riding my motorcycle/sidecar
>rig down the highway at about 45 mph. It came unclipped from my belt,
>fell to the pavement, bounced up and hit the bottom of the sidecar, and
>again hit the pavement, then slid along the ground for a while. After
>all that, it still worked ok! Nice rig. I now have a IC-32AT and have
>come to really love it. At $550, it is not the cheapest radio, but it
>covers both 2m and 440MHz, has 20 memories, and can receive public
>service on VHF-Highband and UHF (with some simple mods).

```
--
Noel B. Del More             |                             decvax!ubbs-nh!noel
17 Meredith Drive            |                             noel@ubbs-nh.mv.com
Nashua, New Hampshire  03063 | It's unix me son!  `taint spozed tah make cents
```

From 5203589981059637094
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a46564225909fd1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-16 06:25:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!aspen!hpcuha!jimallen
From: jimallen@hpcuha.HP.COM (Jim Allen)
Newsgroups: rec.ham-radio
Subject: Re: Boat Anchor Restoration
Message-ID: <22480001@hpcuha.HP.COM>
Date: 15 May 90 13:53:18 GMT

References: <1990May14.043403.13695@mentor.com>
Organization: Hewlett Packard, Cupertino
Lines: 15
Posted: Tue May 15 14:53:18 1990

Mark,

I too drag off 100-200 lb. receivers
from flea markets. I am interested
in doing restorations and would also
very much like to know how to save
the letters. Please let me know if
you get a response that doesn't show
up on the BB.

Regards,

Jim Allen

Jimallen@hpcuha

From 5275688169494823145
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e42b34b463b97d12
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,e42b34b463b97d12
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-16 06:39:25 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!ttidca!sorgatz@ttidcb.tti.com
From: sorgatz@ttidcb.tti.com (Erik Sorgatz - Avatar)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Numbers Stations
Message-ID: <13474@ttidca.TTI.COM>
Date: 15 May 90 22:07:11 GMT
References: <2795@husc6.harvard.edu>
Sender: sorgatz@ttidca.TTI.COM
Organization: Citicorp/TTI, Santa Monica
Lines: 39
Xref: gmdzi rec.ham-radio:11503 rec.radio.shortwave:1243
Posted: Tue May 15 23:07:11 1990

In article <2795@husc6.harvard.edu> weir@husc8.HARVARD.EDU (Robert Weir) writes:
+I have heard an interesting "numbers station" over the past 4 months or so
+and was wondering if anyone out on the NET might have any leads as to its
+location.
+here in Boston. IT ALMOST OVERLOADS MY RECIEVER WITH THE ANTENNA UNATTACHED!
+This station is not coming from Cuba, but most likely from someplace in the
+New England area.
+Another thing that caught my attention a few days ago, was that the announcer,
+who seemed not to have an accent, does have one. She has a Boston accent, one
+I didn't notice because I am so used to it.
+If anyone has ideas, or has heard this station from other locations, please

In short OM, *NO SHIT*?!!:-) Several of us here in So.Cal traced one like this to a "fenced-off" area in the local foothills. The place was a little brick building, with a sloped roof and a heavy-duty looking generator on a small trailer. There was a trailer-mounted vertical antenna and it seemed to be connected to the building with some LARGE size coax (like about 3" dia!) and a few cables...the door was a metal-with-rivets affair. No insignias on the door, a few olive jeeps and a black Ford 4-door-staff car were parked nearby. Outside the fence, we were greeted by a regular-Army Sargent with a nasty looking M16 and told to "go away, and forget you ever saw this place...the whole area is ours...deadly force, next time, bla-blah, NOW BEAT IT!" Uhuh, right Uncle...take it easy, eh? ;-) They escorted our vehicles out of the canyon!

We traced another one to downtown L.A. on Spring Street, that's where the local FBI/CIA offices are...soooo..try looking in the phonebook and start your DFing wherever the local spys 'n' spooks hangout. When you find it, be circumspect, be polite, they have no sense of humor whatsoever and might just shoot or bag you for kicks.

Officially the government has no-comment on these stations but the fact is the US intelligence community uses number stations (just like all the rest!) to orchestrate their covert operations. Once discovered, they tend to move or disappear. The point being: Don't fuck with these people, they'll make your life miserable if you annoy them! Ordinary citizens disappear every day and no one will blame the government if you suddenly don't show up to work/school/etc....be careful!

From 4052944091784126752
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,214e1f2aa976cca9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-16 07:23:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!skvax1.csc.ti.com!anderson
From: anderson@skvax1.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Packet to New Guinea
Message-ID: <9005151507.AA04527@ti.com>
Date: 15 May 90 14:33:16 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Tue May 15 15:33:16 1990

I have a friend in Paupau New Guinea with whom I would like to communicate with using packet radio. We both have HF rigs and will be getting TNCs eventually.

I was planning to use 10 meter HF, but understand only ASCII data can be transmitted. Is this correct?

I know that binary data could be converted to ASCII, transmitted,
and then converted back. Would this be considered legal, or not?

Does anyone know any networks that work that part of the world,
that would allow me to go through them rather than attempting
a direct link.

Is there a VHF or UHF network link between here(Dallas) and there?

Thanks

John H. Anderson, N5OPY
anderson@skvax1.csc.ti.com

From -2396358969329034118
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d187e4e93ba828bd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-16 07:23:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com (DUBE TODD)
Newsgroups: rec.ham-radio
Subject: Re: RE: 2 meter simple j-pole
Message-ID: <9005152040.AA11514@ti.com>
Date: 15 May 90 19:00:22 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Tue May 15 20:00:22 1990

Perry Scott writes
>   ...and an hour to kill probing for the 50 ohm point.   <

Could you describe how I should go about probing for this point, and how
do you know when you find it?   I'm interested to find out if I can do
this with just a simple SWR meter after I've done my trimming, or do I
need some other equipment?

Thanks in advance,
Dube Todd

From 4794247300280904329
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a8be3f02229c6b6c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-16 07:25:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!skvax1.csc.ti.com!anderson
From: anderson@skvax1.csc.ti.com

Newsgroups: rec.ham-radio
Subject: 3rd Party Agreements
Message-ID: <9005151506.AA04466@ti.com>
Date: 15 May 90 14:27:28 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Tue May 15 15:27:28 1990

I am interested in knowing if there is any Amateur organiation that is working on increasing the number of countries that have 3rd party agreements with the US.

If there isn't, I think US amateurs should start such an endeavor. Why is the list so small?

--
John H. Anderson, N5OPY
anderson@skvax1.csc.ti.com

From -7781647425400334408
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ffbef27e14c70151,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-16 07:25:59 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!TAMVENUS.BITNET!MCL9337
From: MCL9337@TAMVENUS.BITNET
Newsgroups: rec.ham-radio
Subject: Boat anchors
Message-ID: <9005160750.AA00515@ucbvax.Berkeley.EDU>
Date: 16 May 90 05:44:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Wed May 16 06:44:00 1990

We have used an old army GRC-10 field transceiver as a coffee table in our apartment for about two years. It is three separate units mounted on a large base that was meant to be bolted to a jeep. It weighs almost 200 pounds, and we are thinking of using it to hold up my car today while I do my own brake drum re-turn with sand paper, using the rear axle as a lathe!

It's a beauty of a boat anchor, but it has its uses!!

Yes, we are college students (and especially Texas Aggies!)

Mark C. "Bro!" Lowe - KB5III

MCL9337@TAMVENUS.BITNET

PS- I just got my VE accreditation from ARRL yesterday. Scary, eh?

From 7838423542110095057
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3be5af116c22f16a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-16 07:26:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: RE: License Fee?
Message-ID: <9005160545.AA22138@ti.com>
Date: 16 May 90 05:37:10 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 82
Posted: Wed May 16 06:37:10 1990

> From: TILDE::"6600dong@ucsbuxa.ucsb.edu" "Dong Hwan Kim" 15-MAY-1990 23:04:19.93
> To: info-hams-incoming
> Subj: License Fee?

> How much $ does it cost to get a ham-radio license?

The administrative fees for the exams would be as little as $4.95 if you took and passed all the tests you ever planned to take in one sitting.

If you fail a test, you are charged the administrative fee again when you return to retake the test (even if it were the same day at the same place!)

> Do I need to pay to take a test?

Not for the NOVICE. All you need for the NOVICE exam is two GENERAL CLASS or HIGHER volunteers who are at least 18 years of age and not related to you. They are responsible for all the paperwork and scheduling.

TECHNICIAN, GENERAL, ADVANCED, and EXTRA all are administered under the VOLUNTEER EXAMINER (VE) system, and an administrative charge (currently $4.95) per sitting is required. A VE Session is held by accredited Volunteer Examiners (usually associated with a radio club or event). Three VEs must be present and none of them may be related to you.

By the way, you can take the NOVICE at a VE session, too.

> Where can I take the test?
>

VE sessions are held periodically in many cities. If you are not near a town where regular sessions are held, look for a hamfest you can go to. Tests are given at many hamfests under the VE system.

If you know any local clubs or hams, ask them. If there is an electronics store nearby (especially one that carries ham radio equipment!) they will have test schedules posted. A college or universities may have a radio club, and Community Colleges or Vocational Centers sometimes even have classes and host testing sessions.

If you can't find anything obvious, call or write the American Radio Relay League, 225 Main Street, Newington Connecticut 06111, (203) 666-1544.

(We had a guy do that here in Dallas, and they gave him our club's address. Another member and I dropped by his house one evening after work and gave him the NOVICE code and written exams. He passed, and is now KB5MIJ!!)

Or, if all else fails, Email or call me; I can check some other sources for your area.

CHECK WITH YOUR LOCAL VE TEAM REGARDING PREPARATIONS FOR THE EXAM! YOU MAY BE ASKED TO BRING YOUR OWN PENCILS, SCRATCH PAPER, BLACK OR BLUE PEN FOR SIGNING FORMS, AND CALCULATOR.

PLAN TO BRING SUFFICIENT IDENTIFICATION (DRIVER'S LICENSE WITH PHOTO IS GOOD!) SOME VE TEAMS REQUIRE *-TWO-* FORMS OF ID!

IF YOU HAVE ANY LICENSE OR CERTIFICATE THAT PROVES YOU HAVE CREDIT FOR EXAM ELEMENTS YOU SHOULD BRING *-BOTH-* THE ORIGINAL AND A PHOTOCOPY SINCE A COPY WILL NEED TO BE FILED WITH YOUR APPLICATION.

YOU ARE NORMALLY GIVEN ALL THE TIME YOU NEED TO FINISH THE EXAM. PLAN YOUR TIME ACCORDINGLY. ARRIVE ON TIME OR A LITTLE EARLY.

> The above questions sound silly, but I am learning morse code and planning
> to take the test soon.
>

No, they don't sound silly. Everyone has to learn somehow, and this is a good place to ask.

GOOD LUCK!

Bob West WA8YCD
Texins Amateur Radio Club
Dallas Texas
(214) 917-1908

RLWEST@FLOPN2.CSC.TI.COM

From -1531066616974294686

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,e42b34b463b97d12
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,e42b34b463b97d12
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 07:42:12 PST
Path: gmdzi!unido!mcsun!uunet!mstan!amull
From: amull@Morgan.COM (Andrew P. Mullhaupt)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Numbers Stations
Keywords: CIA
Message-ID: <960@s6.Morgan.COM>
Date: 11 May 90 14:42:12 GMT
References: <3285@radio.oakhill.UUCP> <1990May11.003927.21037@val.com>
Organization: Morgan Stanley & Co. NY, NY
Lines: 30
Xref: gmdzi rec.ham-radio:11435 rec.radio.shortwave:1214
Posted: Fri May 11 15:42:12 1990

In article <1990May11.003927.21037@val.com>, ben@val.com (Ben Thornton) writes:
> charlie@oakhill.UUCP (Charlie Thompson) writes:
>
> >I believe that the numbers system is fairly secure as long
> >as you don't have a clue as to what the substitution cipher
> >key is derived from.

I would have trouble with this: given the regularity of the traffic,
I think you'd be able to intercept enough to break a simple substitution.
>
> >Hence all of this simplicity is fairly secure and doesn't require
> >a lot of expensive (and vulnerable to capture) crypto equipment.

This would tend toward the 'low-grade' or easy to break cipher point
of view.

>
>    This is true so long as the receiving party doesn't need the
> information within a week of receipt :-).   This mode doesn't
> break any speed records.
>
>    My theory is that the numbers stations ARE in fact the key
> to some cipher that is transmitted via a different medium...

Well I doubt this. If you put the key out there in plaintext for all
to catch, then you have really compromised the cipher, and all the
opponent needs to do is intercept the traffic.

Later,
Andrew Mullhaupt


From 5774678266651577535
X-Google-Language: ENGLISH,ASCII-7-bit
```

X-Google-Thread: 10c9e3,93f9163823588166
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 07:56:54 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pt.cs.cmu.edu!rochester!rit!ultb!wlw2286
From: wlw2286@ultb.isc.rit.edu (W.L. Ware)
Newsgroups: rec.ham-radio
Subject: Re: ICOM R1 Rumors
Message-ID: <3129@ultb.isc.rit.edu>
Date: 10 May 90 22:17:26 GMT
References: <9354@lindy.Stanford.EDU> <324@mikebat.UUCP>
Reply-To: wlw2286@ultb.isc.rit.edu (W.L. Ware)
Organization: Information Systems and Computing @ RIT, Rochester, New York
Lines: 14
Posted: Thu May 10 23:17:26 1990

Is there no where that one can purchase an R1 in the U.S.?

Are the US and Japanesse models the same?

If so will anyone in Japan buy me one?

Lance

```
--
************************************************************************
*W.L.Ware                                             LANCEWARE SYSTEMS*
*WLW2286%ritvax.cunyvm.cuny.edu                    Value Added reseller*
*WLW2286%ultb.isc.rit.edu                          Mac and IBM Access. *
```

From 8921384481671508423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fa194f3e3d4c86e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 09:54:44 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!bellcore!casux4!jdn
From: jdn@casux4.uucp (jonathan nagy)
Newsgroups: rec.ham-radio
Subject: Re: Status of the ICOM R-1
Message-ID: <23109@bellcore.bellcore.com>
Date: 11 May 90 14:29:50 GMT
References: <9005110729.AA02891@ucbvax.Berkeley.EDU>
Sender: news@bellcore.bellcore.com
Reply-To: jdn@casux4.UUCP (jonathan nagy)
Organization: Bell Communications Research, Inc.
Lines: 45
Posted: Fri May 11 15:29:50 1990

In article <9005110729.AA02891@ucbvax.Berkeley.EDU> MEHARP01@ULKYVM.BITNET (Michael Harpe) writes:
>

>Well, folks it appears that the ICOM R-1 was either vaporware or just
>couldn't be sold in the U.S. The ICOM folks at Dayton said the radio
>has been "cancelled indefinitely" and EEB says that they may still get
>some someday. EEB said ICOM was citing "production problems" as the
>reason for cancelling the receiver.
>
>What's interesting is that ICOM ran a back cover ad on the May issue of
>Popular Communications advertsing their new receivers. EEB (a major ICOM
>dealer) had also run ads for May, 1990. The people at EEB sounded really
>annoyed at ICOM for pulling this rig so suddenly. I sense a production
>yield or tariff problem here. I personally think the radios exist and they
>and they can't get them into the U.S.
>This is a Stone Cold Bummer :-(:-(. I was really looking forward
>to that radio.
>
>Anyone else heard anything?
>

Here is what I heard from a friend who travels regularly to Japan
and has contacts with Icom in Japan.

The radio, as currently designed, is capable of receiving the
cellular phone band. Since it is illegal to intercept cellular
phone, Icom is having difficulty getting FCC type acceptance and
importing the radios. Therefore, Icom has decided to pull the
current radio, and come out with a slightly modified version
which does not receive cellular phone. I think you will see
this radio back on the market in modified form very shortly.
I also suspect that enterprising hams will find a way to
"remodify" the radio back to its original form.

By the way, my friend picked one up last month in Tokyo and he
really loves it. Don't worry. Icom has no problems with the
radio or its production. You will be able to buy one real soon
now.

73, Jon NK2D

Jonathan Nagy
jdn@navaho.cc.bellcore.com
(201) 699-4445

From -6707582796438357442
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,886296a5084ed849
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 10:38:24 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!psuvax1!rutgers!mcnc!rti!dg-rtp!aquila!harrism
From: harrism@aquila.rtp.dg.com (Mike Harris)

Newsgroups: rec.ham-radio
Subject: Re: Summary of NEC type products. (LONG)
Message-ID: <1990May11.142500.29866@dg-rtp.dg.com>
Date: 11 May 90 14:25:00 GMT
References: <1990May10.213924.23707@dg-rtp.dg.com>
Sender: usenet@dg-rtp.dg.com (Usenet Administration)
Reply-To: harrism@dg-rtp.dg.com
Organization: Data General Corp., Research Triangle Park, NC
Lines: 21
Posted: Fri May 11 15:25:00 1990

> So! That is what I've learned from my research.
>
> If you'd just like to tinker, I'd chose (not in order)
>
>
> If you're into heavy modeling, I'd chose (not in order)
>
> These opinions are my own, and I hope I haven't miss represented
> any products. Let me hear from you - with reviews of the ones I haven't
> played with, or ,especially if you port MININEC3 to "C".

Sorry - I forgot to include ELNEC in my summary. Anyway, I don't know whether to put it in tinker or modeling as I don't have enough info on it. I'd reccomend getting more info from the authors before you drop the $$ on the pricey packages just to be sure you know what you're getting and what you're not getting. Remember, your mileage may vary.

Mike Harris - KM4UL   harrism@dg-rtp.dg.com
Data General Corporation   {world}!mcnc!rti!dg-rtp!harrism
Research Triangle Park, NC

From -1941945324854867762
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d7eb8cb2bfabf12d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 11:07:39 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!sdd.hp.com!hp-pcd!hplsla!charlier
From: charlier@hplsla.HP.COM (Charlie Panek)
Newsgroups: rec.ham-radio
Subject: 8J90XPO - ?
Message-ID: <5720067@hplsla.HP.COM>
Date: 11 May 90 15:35:34 GMT
Organization: HP Lake Stevens, WA
Lines: 10
Posted: Fri May 11 16:35:34 1990

On 15m CW last night, I worked a bizzare one:

8J90XPO

Conditions were fading, so it was a quick QSO. According to my list, this prefix belongs to Japan. Sounds like a special events station. Anyone know anything about it?

Charlie, KX7L

From -6182100267545514288
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7757db0a73f66f45
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 11:47:07 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.ham-radio
Subject: Re: WWV
Message-ID: <7560@crdgw1.crd.ge.com>
Date: 11 May 90 17:25:16 GMT
References: <9005110728.AA02844@ucbvax.Berkeley.EDU>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@trub.crd.ge.com (Donald P Perley)
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 21
Posted: Fri May 11 18:25:16 1990
In-reply-to: 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE")

In article <9005110728.AA02844@ucbvax.Berkeley.EDU>, 1843eie@HICKAM-EMH ("1843 EIG/EIE") writes:
>
>>Where is WWV on HF? Do they give solar flux/sunspot numbers?

>This is *not* a personal flame against Doug, but rather our collective
>education/examination process...

>How in the h*ll could someone get a Tech/General ticket without learning this
>most basic information about HF?

Since WWV doesn't transmit near any of the old ham bands (80,40,20,15,10), no ham reciever I have ever owned can pick up WWV. I think this is pretty typical of pre PLL receivers. In light of that trend, how can you say that WWV information is most basic?

Regarding the exam process, I think the idea of a small fixed question pool is more of a problem than whether WWV is covered in the pool.

-don perley
perley@trub.crd.ge.com

From 8834118825124474681

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6971b3e5d952006b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 11:52:24 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!hplabs!hpcc01!hpccc!wille
From: wille@hpccc.HP.COM (Ross Wille)
Newsgroups: rec.ham-radio
Subject: DOVE! Info please?
Message-ID: <5540034@hpccc.HP.COM>
Date: 11 May 90 18:52:24 GMT
Organization: HP Corporate Computing Center
Lines: 26
Posted: Fri May 11 19:52:24 1990
```

I have some questions regarding DOVE-Oscar-17.

1. Has the beacon on 145.825 been turned back on yet? If not, when?
   I think I hear a weak signal at times that correspond approximately
   to DOVE's period, but not to my orbit predictions (see #3).

2. When DOVE-1 starts transmitting voice, will it be on 145.825 FM,
   or on some other frequency?

3. How long are orbital elements good for and where can I get updates
   when the ones I have get old? I know they are occasionally posted
   to the net. The ones I have don't work, or it might be that the
   beacon is just turned off.

4. How do I capture the DOVE telemetry data? (I realize that this
   was discussed a while back, but I didn't have my PK-232 then! :-)

Thank you for your help,

Ross - N6SJD

```
 +============================================================================+
 | Ross Wille - N6SJD | Email: wille@hpda.hp.com  | "Undetectable errors are |
 | Hewlett Packard    | -or-   wille@hpccc.hp.com |  treated as if no error  |
 | Cupertino, CA      | Phone: (408)447-0215      |  occurred." - IBM Manual |
 +============================================================================+
```

```
From -9093517101475666220
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7757db0a73f66f45
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 12:22:13 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!elroy.jpl.nasa.gov!hydra!jta
From: jta@hydra.Jpl.Nasa.Gov (Jon T. Adams)
Newsgroups: rec.ham-radio
Subject: Re: WWV
Message-ID: <1990May11.184037.10155@elroy.jpl.nasa.gov>
Date: 11 May 90 18:40:37 GMT
```

References: <9005110728.AA02844@ucbvax.Berkeley.EDU> <7560@crdgw1.crd.ge.com>
Sender: Jon T. Adams
Organization: Jet Propulsion Laboratory, Pasadena, CA
Lines: 19
Posted: Fri May 11 19:40:37 1990

In article <7560@crdgw1.crd.ge.com> perley@trub.crd.ge.com (Donald P Perley)
writes:
>In article <9005110728.AA02844@ucbvax.Berkeley.EDU>, 1843eie@HICKAM-EMH ("1843
EIG/EIE") writes:
>>
>>>Where is WWV on HF? Do they give solar flux/sunspot numbers?
>...
>Since WWV doesn't transmit near any of the old ham bands (80,40,20,15,10),
>no ham reciever I have ever owned can pick up WWV. I think this is
>pretty typical of pre PLL receivers. In light of that trend, how can you
>say that WWV information is most basic?
>
Well, the Yaesu FT101 (pre-PLL) had a special bandswitch position for
WWV/JYY, and I believe some/most Collins could get to WWV...

 - 73 - jon
--
```
Jon Trent Adams, NW6H          | "Per Aspera Ad Astra" A Dead Roman
JTA@hydra.jpl.nasa.gov         | Way-Rad : Opinionated : Single : Prevaricator :
"jpl don't know me from squat"| Raconteur : Engineer : President, Local Chapter
Ghenghis Khan Fan Club : Honorable Mention, "Calvin" Lookalike Contest
```

From -2695868170664084429
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d33404d49c0a005
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 12:29:13 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!sdd.hp.com!hplabs!hpl-opus!hpspdra!
henryb
From: henryb@hpspdra.HP.COM (Henry Black)
Newsgroups: rec.ham-radio
Subject: Re: What is a CB radio?
Message-ID: <12280005@hpspdra.HP.COM>
Date: 11 May 90 16:08:25 GMT
References: <12850@bambam.WELLESLEY.EDU>
Organization: HP Stanford Park - Palo Alto, CA
Lines: 42
Posted: Fri May 11 17:08:25 1990

In article <2794@violet15.UUCP> lyman@motcid.UUCP (Michael Lyman) WA0ZVI
writes:

>mcmahan@netcom.UUCP (Dave Mc Mahan) writes:
>>............... If you want to make it private, DONT'T do it on cellular.
>
>True! Very true, at least for now. Current domestic analog

```
>cellular communications use traditional FM transmission
>characteristics at least for the voice channels. The only
>thing that may provide a bit of a problem for eavesdroppers is
>........                                      ^^^^^^^^^^^^^
```

The use of emotive words like "eavesdroppers" to try to sway arguments is
called innuendo, the neutral word would be "listeners".   Listening to
cellular telephone conversations may be _illegal_ in the US, but radio
waves have a history of not respecting national boundaries. The question
of whether it is morally wrong to take radio transmissions that are not
intended for your reception is, in my opinion, moot.   However cellular
transmissions are a special case only inasmuch as there are large and
powerful vested interests. A problem with all telephone systems is that
the users have been systematically lied to about how much privacy they
have.

```
>
>The beginning of the end of this is near however. The analog RF
>transmission will soon begin to be replaced by digital RF transmission... .
>. . . . . . . While I wouldnt say that it would be impossible to
>decode this, those thinking of it will be sumpremely challenged: One
>RF radio channel will have several digital voice channels
>multiplexed onto it and will be encoded using some pretty high-speed
>digital signal processors.
>
```

Unless of course experimenters acquire commercial equipment and modify
it. Radio experimenters have something of tradition of doing just this.

If cellular radio really will be secure against unathorized reception,
then surely there should be no law against such reception, after all
we don't have laws against teleportation or telepathy do we?

```
---------------------------------------------------------------------------
Henry Black (G4NOC, KK6JR)   henryb@hpspd.HP.COM +1 415 857 6655
These are my views, not necessarily my employer's views.
---------------------------------------------------------------------------
P.S. I'm in favour of radiotelephony including cellular, but also
     in favour of truth and openness.
```

```
From 6414594160267609876
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ba856d3097d2e05e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 12:38:48 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!mips!wdl1!
engle
From: engle@wdl1.UUCP (David Engle)
Newsgroups: rec.ham-radio
Subject: Re: QST article?
Message-ID: <4820026@wdl1.UUCP>
Date: 11 May 90 16:41:02 GMT
References: <9005090708.AA21263@ucbvax.Berkeley.EDU>
Lines: 22
Posted: Fri May 11 17:41:02 1990
```

Here are the answers to the question I posed a few days ago. Kevin mailed the answers so, I'll just use his posting and add a litle more explaination.

>From: "Kevin B. Kenny [the Arch-Traitor] KE9TV" <kenny@cs.uiuc.edu>
>
>>Anybody out there know what the community now calls these measures?
>>cps, kmc, mickey-mikes.
>
>Hertz, `gigs' (GHz), and `puffs' (pF), respectively.

cps is cycles per second, which we now know as Hertz.
kmc is kilo-mega-cycles, which we now know as giga-Hertz.
mickey-mikes is for micro-micro-farads, micro-micro is now referred to as pico or puffs and is usually used when referring to capacitor Farad values.

regards, Dave

David Engle, KE6ZE - engle@wdl1.wdl.fac.com - 408/473-4419 @ Ford Aerospace
Facts, what facts. I don't got to show you no stinking facts. These are opinions expressed here. "Any clod can have the facts, its an art to have an opinion" Herb Caen, SF Chronicle.

From 3487178530946814448
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4cba013517b85e9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 14:47:53 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!apple!agate!shelby!csli!kawai
From: kawai@csli.Stanford.EDU (goh kawai - n6uok)
Newsgroups: rec.ham-radio
Subject: Re: New AEA Antenna & Unrelated Matters
Message-ID: <13578@csli.Stanford.EDU>
Date: 11 May 90 15:42:36 GMT
References: <9005110725.AA02604@ucbvax.Berkeley.EDU>
Sender: kawai@csli.Stanford.EDU (goh kawai - n6uok)
Organization: dept of linguistics, stanford university
Lines: 17
Posted: Fri May 11 16:42:36 1990

Mike Edelman (KE8YY) inquires:

>I was looking at an ad for the new AEA antenna ad in AES's ...
>another variant on the small capacitively tuned loop idea ...
>Has anyone played with this thing yet, or perhaps with other variants
>on the same idea..?

To shorten an antenna, you have to load it. However, most of the RF gets eaten up by the coils. So you start taking off as many turns on the coil as you can. But you have to offset the L component with a C component. So you have a big capacitor at the end. Which gives you very narrow bandwidth.

I have not used the AEA loop (looks like a football stadium portable seat to me), but a friend calculated that the bandwidth should be in the range of 10 to 20 kHz with around 80% efficiency - that is, you sacrifice bandwidth for the sake of RF.

>goh<

From 8669916493278296564
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4ae72a472d559a08,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 14:49:35 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!ucsd!rutgers!mcnc!rti!sunpix!sunpix.East.Sun.COM!gb
From: gb@sunpix.East.Sun.COM (Gary Bishop - Sun Visualization Products)
Newsgroups: rec.ham-radio
Subject: Ham Radio Magazines of the World
Message-ID: <1483@sunpix.East.Sun.COM>
Date: 11 May 90 20:06:14 GMT
Sender: gb@sunpix.East.Sun.COM
Organization: Sun Microsystems, Research Triangle Park, NC
Lines: 201
Posted: Fri May 11 21:06:14 1990

Magazines related to ham radio from Ulrich's International Periodicals Directory 1988-89 edition. Comments on the content or value of any of these from those who have seen them would be appreciated. I might have missed some of the foreign language ones since it didn't always give a hint as to the subject matter. Also, the US magazine "Ham Radio" was not included in their list. I don't know what the criteria was for inclusion in their listing. If you notice an omission, please send me the relevant info, so I can maintain the list. Enjoy.

gb wa4fut

section: Communications - Radio and Television

384.5 CS
AMATERSKE Radio. 1952. m. 60 Kcs($27.30) Vydavatelstvi Nase Vojsko, Vladislova 26, 11366 Prague 1, Czechoslovakia. Ed. Frantisek Smolik.

621.38 CS
AMATERSKE RADIO B. 1965. bi-m. 30 Kcs. Vydavatelstvi Nase Vojsko, Vladislavova 26, 11366 Prague 1, Czechoslovakia (Subscr. to: Artia Ve Smeckach 30, 111 27 Prague 1) Ed. Jan Klabal. circ. 85,000

621.38 AT ISSN 0002-6859
AMATEUR RADIO. 1933. m. Aus $45. Wireless Institute of Australia, Box 300, South Caulfield Vic. 3162, Australia TEL 03-528-5962. Ed. W. Rice. adv. bk. rev. abstr. charts. illus. cum.index every 5 years. circ. 8,700. Indexed: Pinpointer.

621.34 UK ISSN 0264-2557
AMATEUR RADIO. 1982. m. L10.80 Goodhead Publications. Ltd., 27 Murdock Rd., Bicester, Oxon, England. Ed. Richard Lamont. adv. circ. 30,000.

621.38 US ISSN 0889-6089
AMATEUR SATELLITE REPORT. 1981. bi-w. $24 6000. Radio Amateur Satellite Corporation, 850 Sligo Ave., No. 601, Silver Spring, MD 20910. TEL 301-589-6062. Ed Vern Riportella. (back issues avail.)

621.38 IT ISSN 0003-5386
ANTENNA; rassegna mensile di technica elettronica. 1928. m. L. 10000. Editrice Il Rostro, Via Monte Generoso 6-A, Milan, Italy. Ed. Alfonso Giovene. adv. charts. illus. index. circ 25,0000. Indexed: Sci.Abstr.

384.5 BL ISSN 0101-9112
ANTENNA - ELETRONICA POPULAR. 1926. m. $25 (Cz.$450) Antenna Edicoes Tecnicas Ltda. Av. Marechal Floriano 143, 20060 Rio De Janeiro RJ, Brazil. TEL (021) 223-2442. Ed. Gilberto A. Penna. adv. bk. rev. index every 6 mos. cir. 25,000.

384.5 001.6 621.381 UK
BERNARDS AND BABANI PRESS RADIO & ELECTRONICS & COMPUTER BOOKS. 1971. irreg., no.5, 1972. Bernard Babani (Publishing) Ltd. The Grampians, Shepherds Bush Rd., London W67NF, England

621.38 NZ ISSN 0006-9523
BREAK-IN. 1928. m. NZ. $50. New Zealand Association of Radio Transmitters, Inc. Box 1733, Christchurch, New Zealand. TEL 3-484-739. Ed. C.R. Craford. adv. bk. rev. charts. illus index. circ. 3,600. Description: Monthly journal for members of New Zealand amateur radio society (NZART) including technical construction articles, news and general operating information.

621.384 US ISSN 0007-893X
CQ; the radio amateurs' journal. 1945. m. $18. CQ Publishing, Inc., 76 N. Broadway, Hicksville, NY 11801. TEL 516-681-2922. Ed. A.M. Dorhoffer. adv. bk. rev. charts. illus. circ. 107,000. Indexed: Sci. Abstr.

621.384 JA ISSN 0007-8964
CQ HAM RADIO. (Text in Japanese) 1946. m. 13680 Yen($55) CQ Publishing Co., 1-14-2 Sugamo, Toshima, Tokyo 170, Japan. Ed. Mitsunobu Koiso. adv. charts. illus.

621.38 CN ISSN 0318-0867
The CANADIAN AMATEUR; Canadian amateur radio from coast to coast. Short title: TCA. 1973. m (Jul. & Aug. combined) CAN $25($25) (Canadian Amateur Radio Federation Inc.) C.A.R.F. Publications Ltd., Box 356, Kingston, Ont. K7L4W2, Canada. TEL 613-545-9100. Ed. George Sansom. adv. cir. 5,000.

621 VE
CIRCUIT - FOTON. 1980. m. Bs.200($40) M.G. Ediciones Especializadas

S.A., Ave. Maturin No. 15, Urb. Los Cedros, El Bosque, Caracas 1050, Venezuela. adv. cir. 3,500.

621.384 GW ISSN 0178-269X
CQ DL. 1927. m. DM.52 for no-members. Deutscher Amateur-Radio-Club, Lindenallee 6, 3507 Baunatal, W. Germany (B.R.D.) Ed. Dr.Hans Schwarz. adv. bk. rev. charts. illus. tr.lit. index. cum-index: 1951-1954; 1960-1965; 1966-1970. circ. 50,000.

621.384 NE ISSN 0013-4767
ELECTRON: maandblad voor de Nederlandse radio-amateur. 1945. m. fl.62.50. Vereniging voor Experimenteel Radio Onderzoek in Nederland, Postbox 1166, 6801 BD Arnhem, Netherlands. TEL (085)426760. Ed. H.H. Duivenvoorden. adv. bk. rev. charts. illus. tr.lit. index. circ. 13,000. Description: publication for radio amateurs covering news and information, technology, amateur satelites, antennas, international news, reports of events, and contest results. Includes calendar of events, and association library news.

384 GE
FUNK AMATEUR. m. M.60.40. Militaerverlag der Deutschen Demokratischen Republik, Storkower Str. 158, 1055 Berlin, E. Germany (D.D.R.) Ed. Karl-Heinz Schubert. charts. illus.

621.38 JA
HAM JOURNAL. (Text in Japanese) q. CQ Publishing Co., 1-14-2 Sugamo, Toshima, Tokyo 170, Japan Ed. TOmo Hayami.

621.38 II ISSN 0019-624X
INDIAN RADIO AMATEUR. 1966. 3/yr. Rs.11. Amateur Radio Society of India. Treasurer, 5-E Connaught Place, New Delhi 1, India. Ed. O.P. Verma. adv. charts. illus.

621.38 CN ISSN 0048-1734
ONTARIO AMATEUR. 1964. bi-m. membership. Radio Society of Ontairo, Inc. Box 246, Port Credit Postal Station, Mississauga, Ont. L5G4L8, Canada. TEL 416-925-3311. Ed. R.D. Pellowe. adv. circ. 1,400.

621.38 DK
OZ; tidsskrift for amatoer-radio. 1927. m. Kr.385. Landsforeningen Edsperimenterende Danske Radioamatoerer, Postbox 172, DK-5100 Oden: C, Denmark, Ed. Flemming Hessel. adv. bk. rev. charts. illus. index. circ. 6,000.

384.4 UK ISSN 0141-0857
PRACTICAL WIRELESS. 1932. m. $22.40. I P C Magazines Ltd., Pratical Group, Westover House, West Quay Rd., Poole, Dorset BH15 1JG, England. Ed. Geoff Arnold. circ. 41752.

621.38 US ISSN 0886-8093
QEX ARRL EXPERIMENTERS' EXCHANGE AND AMSAT SATELLITE JOURNAL. m. $12 to non-members. American Radio Relay League, Inc. 225 Main St., Newington, CT 06111. Ed. Paul L. Rinaldo. circ. 4,500.

621.38 US ISSN 0033-4812 TK1
QST; devoted entirely to amateur radio. 1915. m. $25 to non-members. American Radio Relay League, Inc., 225 Main St. Newington, CT 06111. Ed. Paul Rinaldo. adv. bk. rev. charts. illus. index. circ. 145,000.

621.384 SW ISSN 0033-4820
QTC. 1927. 11/yr. Kr.127.50($16.30) Foereningen Sveriges Saendareamatoerer, Oestmarksgatan 43, S-123 42 Farsta, Sweden. Ed. Sven Granberg. adv. bk. rev. illus. circ. 7,300.

621.38 RH
QUA (Text in English) 1966. bi-m. controlled circulation to members only. Zimbabwe Amateur Radio Society, Box 2377. Harare, Zimbabwe. Ed. Molly Henderson. (processed)

621.38 US ISSN 0033-7161
RTTY JOURNAL. 1953. 10/yr. $10. RTTY Journal, 9085 La Casita Ave., Fountain Valley, CA 92708. TEL 714-847-5050. Ed. Dale S. Sinner. adv. bk. rev. charts. illus. pat. tr.lit. index. cum-index: 1956-1980. circ. 5,700.

621.38 YU ISSN 0033-8168
RADIO-AMATEUR; casopis Saveza radio-amatera Jugoslavije. 1947. m. 3360 din($30) (Savez Radio-Amatera Jogoslavije) Technicka Knjiga 7 Jula 26, Belgrade, Yugoslavia. Ed. Zarko Resanovic.

621.38 US ISSN 0033-779X CODEN: PRCAAO
RADIO CLUB OF AMERICA, PROCEEDINGS. 1920. s-a. $6. Radio Club of America. Inc., c/0 John Oirrisey, Ed., 45 S. Fifth St. Park Ridge, NJ 07656. TEL 201-246-7271. bk. rev. illus. index. circ. 1,200. Indexed: Sci.Abstr.

384.5 UK ISSN 0033-7803
RADIO COMMUNICATION. 1924. m. membership. Radio Society of Grat Britain, Lambda House, Cranborne Rd., Potters Bar, Herts EN63Je, England. Ed. A.W. Hutchinson. adv. bk. rev. bibl. charts. index. circ. 36,000.

791.4 FR ISSN 0033-7668
RADIO - PLANS. 1933. m. 50 F. Publications Georges Ventillard, 2.12 rue de Bellevue, 75940 Paris Cedex 19, France. Ed. J.C. Roussez. adv. charts. illus. index. circ. 49,000.

621.3 II
RADIO_TRANSITRONIC CONSTRUCTOR; radio, television audio electronics. (Text in English) vol. 7, 1970.m. Rs.8. 132-3612 Pantnagar, Bombay 75, India. Ed. Sushil Bhatia. adv. bk. rev. charts. illus. tr.lit.

681.384 UK ISSN 0037.4261
SHORT WAVE MAGAZINE. 1937. m. L3.75. Short Wave Magazine Ltd., 34 High Street, Welwyn, Herts, England. Ed. Paul Essery. adv. charts. illus. circ. 15,000. Indexed: Br.Tech.Ind.

621.38 CN ISSN 0049-5778
V E 6. 1964. m. Can. $5. Amateur Radio League of Alberta, Box 447,
Thorhild, Alta. TOA 3J0, Canada. Ed. Vic Prodanink. adv. circ. 500.

384.5 US
WORLDRADIO. 1971. m. $12. Worldradio, Inc., 2120 28th St. Sacramento,
CA 95818. TEL 916-457-3655. Ed. Christine Wilson. adv. bk. rev. illus.
circ 26,600.

621.384 US ISSN 0883-234X TK9956
73 FOR RADIO AMATEURS. 1960. m. $24.97. C.W. Communications, Inc.
(Peterborough), 80 Elm st., Peterborough, NH 03458. TEL 603-924-9471.
Ed. Susan Philbrick. adv. bk. rev. illus. index. circ 65,000.

From 8604851446232984624
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fa194f3e3d4c86e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 14:50:30 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!zaphod.mps.ohio-state.edu!
mips!max!crisp
From: crisp@mips.COM (Richard Crisp)
Newsgroups: rec.ham-radio
Subject: Re: Status of the ICOM R-1
Message-ID: <38722@mips.mips.COM>
Date: 11 May 90 21:02:48 GMT
References: <9005110729.AA02891@ucbvax.Berkeley.EDU> <23109@bellcore.bellcore.com>
Sender: news@mips.COM
Reply-To: crisp@mips.COM (Richard Crisp)
Organization: MIPS Computer Systems, Inc.
Lines: 23
Posted: Fri May 11 22:02:48 1990

In article <23109@bellcore.bellcore.com> jdn@casux4.UUCP (jonathan nagy) writes:
>In article <9005110729.AA02891@ucbvax.Berkeley.EDU> MEHARP01@ULKYVM.BITNET
(Michael Harpe) writes:
>Here is what I heard from a friend who travels regularly to Japan
>and has contacts with Icom in Japan.
>
>The radio, as currently designed, is capable of receiving the
>cellular phone band. Since it is illegal to intercept cellular
>phone, Icom is having difficulty getting FCC type acceptance and
>importing the radios. Therefore, Icom has decided to pull the
>current radio, and come out with a slightly modified version
>which does not receive cellular phone. I think you will see
>this radio back on the market in modified form very shortly.
>I also suspect that enterprising hams will find a way to
>"remodify" the radio back to its original form.
>
>

I don't understand how the Icom R9000, Icom R7000, and Yaesu FRG9600
are type accepted if this is true.

--
Making the world safe for technocracy.

From -3488915595189785343
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85dd56ce018aa4b4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 15:40:12 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!netnews.upenn.edu!msuinfo!cpsin2!gurney
From: gurney@cpsin2.uucp (Eddy J Gurney)
Newsgroups: rec.ham-radio
Subject: Re: AMSAT bulletins via FTP?
Summary: I'd like the ARRL stuff, too!
Keywords: Amateur Radio Posts via FTP
Message-ID: <1990May11.204355.26227@msuinfo.cl.msu.edu>
Date: 11 May 90 20:43:55 GMT
References: <191@nachos.SSESCO.com>
Sender: news@msuinfo.cl.msu.edu
Organization: Michigan State University, East Lansing
Lines: 37
Posted: Fri May 11 21:43:55 1990

In article <191@nachos.SSESCO.com> elmquist@nachos.SSESCO.com (Chris Elmquist) writes:
>I posted this awhile ago and got no response....perhaps it didn't
>go out.
>
>Does anyone keep the latest AMSAT bulletins on-line anywhere for
>anonymous FTP?
>
>Someone was posting them to this newsgroup for awhile (KA9Q ??)
>but that action seems to have stopped.
>
>The AMSAT BBS is nice...but continuously busy. I can perhaps
>offer to be the FTP site if someone will e-mail me current
>bulletins (including the AO-13 mode schedule please...)
>
>Thanks. 73, N0JCF

I would also like to see an FTP site for Amateur related news items.
Especially for the electronic versions of the ARRL Newsletter, GateWay,
QEX Experimenters Exchange, and maybe even the W5YI Electronic Version
from Compu$erve(??).

I know of an FTP site named 'hamster', but I don't know if they have the
latest bulletins. Also, 'k9iu.bacs.indiana.edu' seems to have SOME of the
ARRL Newsletters and Gateways, but not always the most recent ones.

(The reason I'm interested is for extracting useful articles for our club newsletter, so I don't have to key them in manually. :-) If someone gets them regularly and we be so kind as to mail them to me, I'd also be very interested.)

aTdHvAaNnKcSe,

--
Eddy J. Gurney, N8FPW

gurney@frith.egr.msu.edu -- gurney@cpsin.cps.msu.edu -- gurney@cpsin.uucp
17158ejg@ibm.cl.msu.edu -- 17158ejg@MSU.BITNET ...pick one that works for you!

From 8472453875854628967
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,70d7c9b20ea37c63,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,ad34cc50de6fdd84
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-11 15:49:59 PST
Path: gmdzi!unido!mcsun!uunet!crdgw1!galaxy
From: perley@galaxy (Donald P Perley)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Sony 2010 receiver
Message-ID: <7578@crdgw1.crd.ge.com>
Date: 11 May 90 21:46:34 GMT
References: <1990May7.215337.27074@gpu.utcs.utoronto.ca>
Sender: news@crdgw1.crd.ge.com
Reply-To: perley@trub.crd.ge.com (Donald P Perley)
Followup-To: rec.radio.shortwave
Organization: GE Corp. R & D, Schenectady, NY 12345
Lines: 19
Xref: gmdzi rec.radio.shortwave:1208 rec.ham-radio:11417
Posted: Fri May 11 22:46:34 1990

I am considering a Sony 2010, but have a couple of questions that are unanswered by the reviews I have read here and in Passport.

1) What are the dimensions? I can just guess that the thickness is slightly larger than a D cell diameter.

2) With SSB and CW, there is no carrier for the synchronous detector to lock on to.. Does it just act like a normal BFO for these signals?

3) Would it be suitable as a ham reciever for field use or at home, maybe with a homebrew qrp tranmitter. I guess I would just turn it off during transmit if there is no "standby" mode.

Thanks,

Don Perley
perley@trub.crd.ge.com

From -8045092464629252549
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2383db3e0dcfb08a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 16:23:23 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Morse Coding standards (non-ham question)
Message-ID: <2221@anasaz.UUCP>
Date: 11 May 90 15:33:35 GMT
References: <9004242215.AA02030@ti.com> <1250157@hpnmdla.HP.COM>
<325@ensub.Wichita.NCR.COM>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 15
Posted: Fri May 11 16:33:35 1990

In article <325@ensub.Wichita.NCR.COM> msjohnso@ensub.Wichita.NCR.COM (Mark Johnson) writes:
]In article <1250157@hpnmdla.HP.COM> alanb@hpnmdla.HP.COM (Alan Bloom) writes:
]>
]>My favorite is the (at one time) very active contest station WB5EEE
]>(known in some circles as "WB5S"). After the first dash in the "B", it's
]>all dits: .__ _... ....

I used to have the call WA6SIE. Very nice for CW (at least the suffix).
Unfortunately, the entire time I had the call I lived in apartments with
no HF gear or antennae, so I never used it on CW.
--
John Moore HAM:NJ7E/CAP:T-Bird 381 {asuvax,mcdphx}!anasaz!john john@anasaz.UUCP
Voice: (602) 951-9326 (day or eve)   FAX:602-861-7642 Advice: Long palladium,
USnail: 7525 Clearwater Pkwy, Scottsdale, AZ 85253   ......: Short petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From 3494619455346018497
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7757db0a73f66f45
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 16:50:40 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!snorkelwacker!usc!
zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: WWV
Message-ID: <30500528@ux1.cso.uiuc.edu>
Date: 11 May 90 21:44:00 GMT

Lines: 12
Nf-ID: #R:<9005110728.AA02844@ucbvax.Berke:-40:ux1.cso.uiuc.edu:30500528:000:579
Nf-From: ux1.cso.uiuc.edu!phil   May 11 16:44:00 1990
Posted: Fri May 11 22:44:00 1990

> Since WWV doesn't transmit near any of the old ham bands (80,40,20,15,10),
> no ham reciever I have ever owned can pick up WWV. I think this is
> pretty typical of pre PLL receivers. In light of that trend, how can you
> say that WWV information is most basic?

I started getting interested in ham radio with an old Hallicrafters SX-111
receiver. It had WWV builtin with a 100 khz calibrator that I could use
as well.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -6562039184649570531
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fa194f3e3d4c86e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 16:50:44 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Status of the ICOM R-1
Message-ID: <30500529@ux1.cso.uiuc.edu>
Date: 11 May 90 21:53:00 GMT
Lines: 46
Nf-ID: #R:<9005110729.AA02891@ucbvax.Berke:-40:ux1.cso.uiuc.edu:30500529:000:2412
Nf-From: ux1.cso.uiuc.edu!phil   May 11 16:53:00 1990
Posted: Fri May 11 22:53:00 1990

> The radio, as currently designed, is capable of receiving the
> cellular phone band. Since it is illegal to intercept cellular
> phone, Icom is having difficulty getting FCC type acceptance and
> importing the radios. Therefore, Icom has decided to pull the
> current radio, and come out with a slightly modified version
> which does not receive cellular phone. I think you will see
> this radio back on the market in modified form very shortly.
> I also suspect that enterprising hams will find a way to
> "remodify" the radio back to its original form.

If the FCC is refusing type-acceptance just because it is capable
of receiving frequencies that happen to also be used for cellular
services, then we need to know about this, and immediately. There
is no authority I know of for the FCC to refuse the type acceptance
on such grounds since the ECPA does not outlaw the ownership, sale,
or import of such devices. There *IS* legitimate use for hams to

receive signals on such frequencies without receiving cellular.
If you don't know what I mean, get out your interference handbook
and reread it.

If Icom is having this problem, then we need to find out from them
just who at the FCC is their contact, or who it is that has ordered
the type-acceptance refusal, and do something about it. But we need
to get this info (or the truth, whatever it really is) from Icom.
I plan to call Icom as soon as I find the phone numbers again and
talk to them about it. I certainly won't accept the silly "production
delays" answers since my question will be one for their lawyers instead
of their marketers. Perhaps I should ask for their legal office right
at the first answer.

> By the way, my friend picked one up last month in Tokyo and he
> really loves it. Don't worry. Icom has no problems with the
> radio or its production. You will be able to buy one real soon
> now.

Well, since we know this, we certainly know the "production delay"
problem is more than just a delay. It certainly is one of these
various possible cases. I just hate to see us get shafted with
a lesser useful radio because of Icom-America buckling under some
sort of uncalled for pressure from the FCC or the cellular industry.

WE NEED TO GENERATE SOME COUNTER PRESSURE!

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 4724622413305504278
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d7eb8cb2bfabf12d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 22:56:32 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!zaphod.mps.ohio-state.edu!mips!
apple!agate!shelby!csli!kawai
From: kawai@csli.Stanford.EDU (goh kawai - n6uok)
Newsgroups: rec.ham-radio
Subject: Re: 8J90XPO - ?
Message-ID: <13587@csli.Stanford.EDU>
Date: 11 May 90 19:46:44 GMT
References: <5720067@hplsla.HP.COM>
Sender: kawai@csli.Stanford.EDU (goh kawai - n6uok)
Organization: dept of linguistics, stanford university
Lines: 35
Posted: Fri May 11 20:46:44 1990

Charlie (KX7L) asks:

> On 15m CW last night, I worked a bizzare one:
>   8J90XPO

>Anyone know anything about it?

Intimately. You got the call right; there's a big controversy among JA hams about the "90" in the callsign. Packet people don't like the numbers of characters. Purists argue that there is no call district 90 and insist on the /JA3 suffix.

8J90XPO, or, according to nit-pickers, 8J90XPO/JA3, is the "Osaka Hana no Banpaku Kinenkyoku" ("Osaka Flower Festival Special Events Station"). As all other special events stations, it is sponsored by JARL, and is open for use by JARL members (a rule I hate). The Flower Festival itself has been a fair success; you have gardens both indoors and outdoors, with hothouses for tropical plants and air-conditioned rooms for Arctic flora. The Japanese have always been passionate about flowers, and this time, people are queueing for several hours just to see flowers! And they pay for it, too.

8J calls are being assigned, by convention, to special events stations. Other 8J calls include 8J1XPO, 8J1YES, and so on.

Incidentally, 7J calls (which also belong to Japan - Japan has JA thru JS, 7J thru 7N, and 8J thru 8N) are assigned to recriprocal calls. Unfortunately, recriprocal licenses are terribly expensive in Japan (9,000 yen, or roughly 60 dollars). I hate this, and have argued against it, but have been ignored so far. (I'm Japanese, so I can't get a recripocal anyway, but I don't think it's polite to have your guests pay for a hobby that you share.)

```
----------------- stanford university + sri international
--- Goh Kawai --- arpanet/junet:  kawai@csli.stanford.edu
----------------- compuserve: 76056,1726     radio: n6uok
```

```
From -4626208821566749371
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,370c37a801f125c9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 23:42:28 PST
Path: gmdzi!unido!mcsun!ukc!strath-cs!cs.glasgow.ac.uk!willisa
From: willisa@cs.glasgow.ac.uk (Mark Willis)
Newsgroups: rec.ham-radio
Subject: Online call-book in UK
Keywords: uk, call book, callsign
Message-ID: <5183@samoa.cs.glasgow.ac.uk>
Date: 11 May 90 21:24:08 GMT
Reply-To: willisa@cs.glasgow.ac.uk (Mark Willis)
Distribution: rec
Organization: Comp Sci, Glasgow Univ, Scotland
Lines: 12
Posted: Fri May 11 22:24:08 1990
References:
```

Does anyone have a copy of the UK callbook available online or for ftp?

Thanks,

Mark

--
JANet: willisa@gla.cs |
Internet: willisa@cs.glasgow.ac.uk | and:
USENET: ...!mcsun!ukc!cs.glasgow.ac.uk!willisa | GI7GDF
BITNET: willisa%cs.glasgow.ac.uk@ukacrl.bitnet | willisa@gla.geology

From -4696024157095798250
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d187e4e93ba828bd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 23:45:45 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: RE: 2 meter simple j-pole
Message-ID: <7880147@hpfcdc.HP.COM>
Date: 11 May 90 21:18:33 GMT
References: <1140030@hprnd.HP.COM>
Organization: HP Ft. Collins, Co.
Lines: 13
Posted: Fri May 11 22:18:33 1990

> One of the problems in making twin lead J poles is that not all twin lead is
> the same. Low loss twin lead has a different velocity factor and hence the
> lengths are different. If possible check out the J pole on a network
> analyzer to find out what its resonant frequency and impedance is.

Gee, and all I had was a $20 SWR meter to trim the J, and an hour to
kill probing for the 50 ohm point.

Contrary to popular belief, HP engineers don't use a $50,000 instrument
to build a $5 circuit.... Unless it just happens to be on the shelf. :-)

Perry Scott

From -6844216954315604940
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7757db0a73f66f45
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-12 01:08:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!sdd.hp.com!elroy.jpl.nasa.gov!turnkey!orchard.la.locus.com!prodnet.la.locus.com!lando.la.locus.com!dana

```
From: dana@lando.la.locus.com (Dana H. Myers)
Newsgroups: rec.ham-radio
Subject: Re: WWV
Message-ID: <8913@oolong.la.locus.com>
Date: 12 May 90 00:14:11 GMT
References: <9005110728.AA02844@ucbvax.Berkeley.EDU> <7560@crdgw1.crd.ge.com>
<1990May11.184037.10155@elroy.jpl.nasa.gov>
Sender: news@locus.com
Reply-To: dana@lando.UUCP (Dana H. Myers)
Organization: Locus Computing Corporation, Inglewood, CA
Lines: 14
Posted: Sat May 12 01:14:11 1990

In article <1990May11.184037.10155@elroy.jpl.nasa.gov> jta@hydra.Jpl.Nasa.Gov (Jon
T. Adams) writes:
>
>Well, the Yaesu FT101 (pre-PLL) had a special bandswitch position for
>WWV/JYY, and I believe some/most Collins could get to WWV...
>

  My TS-520S, bless its PTO VFO, tunes WWV/JJY on 15.000000000000000000 Mhz


*****************************************************************
* Dana H. Myers KK6JQ       | Views expressed here are  *
* (213) 337-5136 (ex WA6ZGB)     | mine and do not necessarily
     *
* dana@locus.com       | reflect those of my employer   *
*****************************************************************


From 8906690209587284200
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,500f9e7d0227ea35
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-12 01:08:47 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!rice!cs.utexas.edu!
swrinde!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!sdd.hp.com!hplabs!
hpcc01!hpcuhb!hpscdc!rkarlqu
From: rkarlqu@hpscdc.scd.hp.com (Rick Karlquist)
Newsgroups: rec.ham-radio
Subject: Re: Phase-Sequence filters for SSB
Message-ID: <5490097@hpscdc.scd.hp.com>
Date: 11 May 90 18:07:24 GMT
References: <33977@sequent.UUCP>
Organization: Hewlett-Packard, Santa Clara Div.
Lines: 61
Posted: Fri May 11 19:07:24 1990

> / hpscdc:rec.ham-radio / rjk@sequent.UUCP (Robert Kelley) / 11:13 am  Apr 28,
1990 /
> One way to implement the audio phase difference for the phasing method
> of SSB generation is described in _The_ARRL_Handbook_ and in Horowitz
```

> and Hill's _The_Art_of_Electronics_ 2nd ed. page 295. They call it a
> PHASE-SEQUENCE FILTER and it consists of a cyclic network of resistors
> and capacitors, driven by two signals of 180 degree phase difference,
> producing four outputs 90 degrees apart. Does anyone here have any
> experience with these filters? In particular, how are they designed and
> analyzed? References?
>
> Thanks,
> Bob Kelley
> ----------

BIBLIOGRAPHY OF PHASE-SEQUENCE FILTER PAPERS
(Polyphase modulation)

Note: this covers *only* the phase-sequence type of networks, not the much more common lattice quadrature networks.

Hartley, RVL: "Modulation system", patent 1,666,206, April 17, 1928

Macdiarmid, IF & Tucker, DG: "Polyphase modulation as a solution of certain filtration problems in telecommunications" Proc. IEE, 97, part III, p 349, 1950.

Tucker, DG: "A two-phase telecommunication system", Electronic Engineering, 20, p 150 and p 192 (1948)

Tucker, DG: "Modulators and frequency changers", 1953, p 51-61

Gingell, MJ: "Single sideband modulation using sequence asymmetric polyphase networks", p 21-25, Electrical Communication, Vol. 48, No. 1 &2, 1973

McGee, WF: "The analysis and synthesis of modulator filters using symmetrical components, Intl. Symp. of large engineering systems, Univ. of Waterloo, May 15-16, 1978, p15-22, Sandford Educ. Press, Waterloo, Ont.

Mikhael, WB: "Sequence discriminators and their use in frequency division multiplex communication systems, IEEE transactions on circuits and systems, Feb. 1979, p117-129

Daoud, E & Mikheal, WB & Swamy, MNS: New active RC-networks for the generation and detection of single-sideband signals IEEE transaction of circuits and systems, Dec. 1980, p 1140-1154 see especially p 1141-1143.

See also: Rogers, AEE: "Broad-band passive 90 degree RC hybrid with low component sensitivity for use in the video range of frequencies, Proc. IEEE, Nov. 1971, p 1617-1618.

Also is described in any recent ARRL handbook in chapter on "Voice Communications" as "A high performance audio phase shifter made from ordinary loose-tolerance components, Figure 13".

Rick Karlquist N6RK
rkarlqu@hpscdc.scd.hp.com

From -7474260160502496266
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ba856d3097d2e05e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-12 02:05:42 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!tekfdi!tomh
From: tomh@tekfdi.FDI.TEK.COM (Tom Hill)
Newsgroups: rec.ham-radio
Subject: Re: QST article?
Summary: Finding old articles
Message-ID: <4289@tekfdi.FDI.TEK.COM>
Date: 12 May 90 08:07:14 GMT
References: <56500004@uxa.cso.uiuc.edu> <49@thoreau.nsc.com>
Reply-To: tomh@tekfdi.FDI.TEK.COM (Tom Hill)
Organization: Tektronix, Inc., Beaverton, OR.
Lines: 27
Posted: Sat May 12 09:07:14 1990
Followup-To:rec.ham-radio
Distribution:usa

Someone wrote asking about an old crystal grinding article. (I missed the original article while at MTT-S).

There is indeed a computerized way of finding old Ham related articles.
It is a program supplied by: didah publishing
P.O. Box 7368
Nashua, NH. 03060

I just ran the copy I bought at Dayton, and got a list of some 390 or so articles related to "crystal".   The ones following looked like they might relate to the original question of grinding or shaving freq:

QST jul '52 p68
QST jun '49 p120
CQ   oct '49 p36
QST apr '30 p41
73   jul '68 p50
CQ   jul '45 p16
QST aug '56 p65
QST apr '53 p51
QST jul '53 p48
QST mar '53 p138

I used my own guess from the listed titles to choose these, so for better completeness , run your own copy of the program. (runs on a PC.)

Tom, WA3RMX

From 2621297773403842631
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d22681f4d8ca9f5b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-12 05:47:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpcc01!aspen!laubach
From: laubach@aspen.IAG.HP.COM (Mark Laubach)
Newsgroups: rec.ham-radio
Subject: Re: Looking for 2m HT purchase advice.
Message-ID: <3080003@aspen.IAG.HP.COM>
Date: 11 May 90 15:32:02 GMT
References: <10110001@hpislx.HP.COM>
Organization: HP Information Architecture Group - Cupertino, CA
Lines: 18
Posted: Fri May 11 16:32:02 1990

Unlike the other HP responses, I have had great success with Kenwood HT products. I've had a TR2600A for 3+ years that I've just retired to be my packet radio transceiver. To upgrade, I purchased a new Kenwood TH-26AT last month, which I like alot.

The problem with trying to find a reasonably priced used HT with all the feature sets you are after is that they are all getting grabbed up quickly by folks looking for portable packet radios. Unless you've got a good swap source, you'll be trying to buy in a seller's market and the $'s you spend won't be reasonable.

My advice, would be to buy new. 1) you get all the features you want now, 2) you get the manufacturer's warranty, and 3) you can incrementally add on options within the lifetime of the product. This last point is important in that the radio model probably won't go obsolete too quickly.

73's - Mark, N3BMN

From 2819437171670073851
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b9fae9ccbeec03f4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-12 05:47:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
ibma.nerc-wallingford.ac.UK!PJML
From: PJML@ibma.nerc-wallingford.ac.UK ("Pete Lucas, NCS-TLC, Swindon U.K.")
Newsgroups: rec.ham-radio
Subject: Crystal grinding - use rouge.
Message-ID: <11.May.90.15:29:23.BST.#3306@UK.AC.NWL.IA>
Date: 11 May 90 14:18:46 GMT
Sender: usenet@ucbvax.BERKELEY.EDU

Organization: The Internet
Lines: 11
Posted: Fri May 11 15:18:46 1990

If you want to try grinding a crystal, i suggest you try Jewellers Rouge as the abrasive. This is much finer than household scouring powder (AJAX) and although it takes a lot longer to grind, you are less likely to lose the crystal activity (activity loss is, in part, due to the unevenness of the ground surface as a result of the harsh abrasives).
Rouge is used for polishing some types of lens; you can get an optically good surface if you are careful.

And i thought 'kitchen table engineering' was a thing of the past...!

Pete Lucas G6WBJ PJML@UK.AC.NERC-WALLINGFORD.IBMA   0793-411613

From 8213483817477831295
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,29c4871172598656
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-12 07:20:45 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!sunybcs!uhura.cc.rochester.edu!rochester!rit!cci632!dvh
From: dvh@cci632.UUCP (David Hallidy)
Newsgroups: rec.ham-radio
Subject: Re: TV UFH Spectrum (Was WARC RECORDINGS)
Message-ID: <36838@cci632.UUCP>
Date: 12 May 90 03:06:50 GMT
References: <900509-063741-17267@Xerox>
Organization: Computer Consoles Inc. An STC Company, Rochester NY
Lines: 53
Posted: Sat May 12 04:06:50 1990

In article <900509-063741-17267@Xerox>, GCW.WBST207V@XEROX.COM writes:
>
> Jim Austin KA2RVO writes :-
> >In rochester we have channels 21 and 31, what is the rest of the
> >space from ~500 -> ~800 MHz used for, if anything?
>
> I suppose that there must be similar circustances in a lot of other cities
> in the country ie apparently only 1 or 2 UFH stations in town.
> I also live in Rochester and have recently noticed a new rather weak signal
> on the air on channel 38 signing W38AW. On questioning a few people locally
> I find it is a new low power (less than 1,00 watts by FCC definition)
> Commercial TV station. The local FCC people did not no a great deal about
> them except that there are a large number of construction permits for these
> type of TV stations already issued, and an even greater number of potential
> applications pending. The stations according to the FCC are meant to have
> a range of 10 miles, but must not cause interrference with other channels.
>
> PS anybody have some more info on these low power TV stations ?
>

I have some more info on these low-power UHF TV stations. Licenses are being applied for and granted, rapidly, as the new FCC rules take effect. Here in Rochester, we now have two such transmitters- W15AL on channel 15, and as mentioned, W38AW on channel 38. More are in the plans for this area within the year. They are basically allowed to run any type of programming they choose, except they cannot run any of the major network stuff, and they are not to be picked up by local cable operators. W15AL transmits music videos 24 hours a day, and you can call a 900 number to request a video- they put a menu up periodically with the codes for the selections. They charge $2.50 a call, and that's how the station is supported. They are apparently tied in to something called "The Jukebox Network", a loosely formed group of these broadcasters based in Miami (I think). They are limited to 1 kW and the expected range is 8-10 miles, but W38AW seems to do better than W15AL- I get a MUCH better picture from their test pattern than I do W15AL's video, both transmitters are (to the best of my knowledge) located on Pinnacle Hill with all the other TV transmitters in Rochester.

These stations are one of the reasons the FCC mandated that cable operators supply customers with an A-B switch so the customer could get live stuff off the antenna if he wanted it.

I hadn't heard that they were only supposed to operate on a non-interference basis. Seems like that would be a problem, since these stations are money-making entities and as such, are not likely to "turn the transmitter off" because of an interference problem. I think the power limit is the factor which will limit interference, since the range is so short.

BTW,last time I checked, W38AW was still only putting out a test pattern. I understand they should go live any time with old reruns or something.

73   Dave KD5RO/2

From 1138937109360945501
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4ae72a472d559a08
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-12 08:54:08 PST
Path: gmdzi!unido!mcsun!uunet!fernwood!portal!cup.portal.com!ckp
From: ckp@cup.portal.com (Christine K Paustian)
Newsgroups: rec.ham-radio
Subject: Re: Ham Radio Magazines of the World
Message-ID: <29834@cup.portal.com>
Date: 12 May 90 13:36:05 GMT
References: <1483@sunpix.East.Sun.COM>
Organization: The Portal System (TM)
Lines: 13
Posted: Sat May 12 14:36:05 1990

Two additions to the list:

RADIOSCAN MAGAZINE - Spanish Edition - 175 Fontainebleau Boulevard, Suite 2K-5, Miami, FL 33172. Subscriptions: Domestic - one year $19.95, two years $38, three years $58.00. Foreign Air Mail - one year $50.00, two years $90.00, three years $130.00. Circulation is to 21 Spanish-speaking countries.

RADIOSCAN MAGAZINE - English Edition - ISSN 1049-9121 - published monthly by RADIOSCAN Corporation, 175 Fontainebleau Boulevard, Suite 2K05, Miami, FL 33172. Subscriptions: Domestic - one year $14.95, two years $30.00, three years $40.00. Canada/Mexico - one year $19.95. Foreign Air Mail: one year $70.00.

From 5648657284573473268
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1bf0a84622676134,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,1bf0a84622676134,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 10a148,1bf0a84622676134,start
X-Google-Attributes: gid10a148,public
X-Google-Thread: f5cc0,1bf0a84622676134,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-05-12 09:37:35 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!uwm.edu!rpi!crdgw1!ge-dab!tarpit!peora!tsdiag!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.space.shuttle,sci.space
Subject: * SpaceNews 14-May-90 *
Keywords: Shuttle Amateur Radio Experiment
Message-ID: <290@ka2qhd.UUCP>
Date: 12 May 90 16:37:35 GMT
Organization: KA2QHD PBBS SYSTEM, OCEAN NJ
Lines: 116
Xref: gmdzi rec.ham-radio:11475 rec.ham-radio.packet:2240 sci.space.shuttle:4008 sci.space:12385
Posted: Sat May 12 17:37:35 1990

Bulletin ID: SPC0514

=========
SpaceNews
=========

MONDAY MAY 14, 1990

SpaceNews is published and distributed weekly around the world on USENET and Amateur Packet Radio. It is available for unlimited distribution.

* STS-35 NEWS *

===============

The launch of STS-35 has been delayed at least until 31-May-90 due to a Shuttle hardware problem.

Here is the expected operating schedule for unattended SAREX operations by Ron Parise (WA4SIR):

Mission Elapsed Time
(D/HH:MM)

Start		End
0/22:00	-	1/10:20
1/21:15	-	2/08:35
2/20:00	-	3/07:55
3/19:00	-	4/06:40
4/18:30	-	5/05:45
5/17:20	-	6/05:50
6/17:40	-	7/05:35
7/17:45	-	8/04:45

Listed below are the frequencies presently intended to be used by SAREX for both packet and voice. Note, that in no case is "simplex" operation indicated. DO NOT CALL WA4SIR ON THE SAME FREQUENCY YOU HEAR HIM!!

	Shuttle Transmit Freq.	Accompanying Shuttle Receive Freqs.	Offset Designation
Group 1	145.55 MHz	144.95 MHz	Primary
	145.55 MHz	144.91 MHz	Secondary No. 1
	145.55 MHz	144.97 MHz	Secondary No. 2
Group 2	145.51 MHz	144.91 MHz	Primary
	145.51 MHz	144.93 MHz	Secondary No. 1
	145.51 MHz	144.99 MHz	Secondary No. 2
Group 3	145.59 MHz	144.99 MHz	Primary
	145.59 MHz	144.95 MHz	Secondary No. 1
Group 4	145.55 MHz	144.95 MHz	Primary
	145.55 MHz	144.70 MHz	Secondary No. 1
	145.55 MHz	144.75 MHz	Secondary No. 2
	145.55 MHz	144.80 MHz	Secondary No. 3
	145.55 MHz	144.85 MHz	Secondary No. 4

The 145.55/144.95 combination is in both Groups 1 and 4 because alternate uplink frequencies from Group 1 would be used over North and South America while those from Group 4 would generally be used in other parts of the world, such as Europe and Africa.

Dissemination of Shuttle information to those participating in SAREX, as well as all interested amateurs will be via a system of key stations, particularly

WA3NAN, at Goddard in Greenbelt, MD, W5RRR, at the Johnson Space Center in Houston, and W6VIO at the Jet Propulsion Lab, in Pasadena, California. These stations, and others, will operate on HF and VHF 24 hours a day carrying official NASA supplied voice communication between Mission Control in Houston and the Shuttle crew. To further provide information specific to SAREX communication opportunities and related information, bulletins originated by amateurs stationed at the Johnson Space Center will be fed via a computer network to these stations and others including W1AW. The SAREX Metabeacon may also be used for announcements. It is planned the frequencies listed below will be used for this service. The selection of frequencies will be made depending on HF propagation conditions during the mission.

Station	Approx. QTH	Nominal Frequencies in MHz (+/- QRM)
WA3NAN	Wash. DC	3.860, 7.185, 14.295, 21.395, 28.650. 147.45 (FM)
W5RRR	Houston	3.850, 7.227, 14.280, 21.350, 28.495, 146.64 (FM)
W6VIO	L.A.	3.840, 21.280, 224.04 (FM)
W6FXN	L.A.	145.46 (FM)

All are SSB using the sideband normally used on the band unless otherwise noted.

* FEEDBACK WELCOMED *

Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

UUCP : ...uunet!masscomp!ocpt!tsdiag!ka2qhd!kd2bd
AX.25 : KD2BD @ NN2Z.NJ.USA.NA

MAIL : John A. Magliacane
Department of Electronics Technology
Advanced Technology Center
Brookdale Community College
Newman Springs Road
Lincroft, New Jersey 07738
U.S.A.

<eof>

--
AMPR : KD2BD @ NN2Z (Neptune, NJ)
UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
"For every problem, there is one solution which is simple,
neat and wrong." -- H.L. Mencken

From 6782181963256966059
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,fd24f215aaf8d710,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-12 10:05:21 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!aplcen!haven!udel!mvac23!thomas
From: thomas@mvac23.UUCP (Thomas Lapp)
Newsgroups: rec.ham-radio
Subject: Packet/Internet gateways
Message-ID: <223.UUL1.3#5131@mvac23.UUCP>
Date: 12 May 90 15:30:17 GMT
Sender: usenet@udel.EDU
Organization: MultiVac23, Newark, DE, U.S.A.
Lines: 24
Posted: Sat May 12 16:30:17 1990

I've often seen messages on this net which have been reproduced from packet sources. I'm wondering if there is either 1. a gateway packet machine which allows someone like me to send e-mail to a packet site or 2. someone on the east coast of the USA who is interested in performing that function.

Reason: my uncle in the Shanandoah valley of Virginia is getting into packet radio and will soon be on packet e-mail. However, I don't have enough time to add packet radio as Yet Another Hobby to my list (sorry guys). But I'd still like to be able to communicate with him electronically since it is e-mail in both places and internet networking is on my Officially Recognized Hobbies list.

Thanks for any help,

- tom

```
--
internet     : mvac23!thomas@udel.edu  or  thomas%mvac23@udel.edu
uucp         : {ucbvax,mcvax,psuvax1,uunet}!udel!mvac23!thomas
Europe Bitnet: THOMAS1@GRATHUN1         Location: Newark, DE, USA
Quote   : The only way to win thermonuclear war is not to play.

--
The UUCP Mailer
```

From -7586604605156774771
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fa194f3e3d4c86e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-12 10:37:17 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!nic.MR.NET!nic.stolaf.edu!stolaf!bartsch
From: bartsch@stolaf..stolaf.edu (Eric A. Bartsch)
Newsgroups: rec.ham-radio
Subject: Re: Status of the ICOM R-1
Message-ID: <225@nic.stolaf.edu>
Date: 12 May 90 16:38:23 GMT

References: <9005110729.AA02891@ucbvax.Berkeley.EDU> <23109@bellcore.bellcore.com>
Sender: news@nic.stolaf.edu
Reply-To: bartsch@thor.acc.stolaf.edu ()
Organization: St. Olaf College; Northfield, MN
Lines: 25
Posted: Sat May 12 17:38:23 1990

>Here is what I heard from a friend who travels regularly to Japan
>and has contacts with Icom in Japan.
>
>The radio, as currently designed, is capable of receiving the
>cellular phone band. Since it is illegal to intercept cellular
>phone, Icom is having difficulty getting FCC type acceptance and
>importing the radios. Therefore, Icom has decided to pull the
>current radio, and come out with a slightly modified version
>which does not receive cellular phone. I think you will see
>this radio back on the market in modified form very shortly.
>Jonathan Nagy
>jdn@navaho.cc.bellcore.com

What about the Icom R-7000? As far as I know, this receiver easily receives
all of the cellular band, and you can buy it at any participating
amateur radio store (25MHz to 2GHz coverage). Maybe the R-7000 received
type acceptance before the ECPA passed Congress? Do you need FCC type
acceptance on receiving devices before you may sell them in the United States?

The patent conflict seems more likely.

```
==============================================================================
Eric A. Bartsch  N0JVP                              Senior
St. Olaf College                                    Philosophy/Political Science
Northfield, MN  55057                               bartsch@thor.acc.stolaf.edu
```

From 7292504059658525129
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,960f9425d63f62c9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb7ae,960f9425d63f62c9,start
X-Google-Attributes: gidfb7ae,public
X-Google-ArrivalTime: 1990-05-12 15:56:03 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sunybcs!nsscb!nrg
From: nrg@nsscb.UUCP (G.Narotham Reddy)
Newsgroups: rec.ham-radio,rec.ham.radio
Subject: How frequencies are assigned ??
Message-ID: <1578@nsscb.UUCP>
Date: 12 May 90 18:58:40 GMT
Organization: AT&T NSSC, S.Plainfield, NJ
Lines: 17
Xref: gmdzi rec.ham-radio:11439
Posted: Sat May 12 19:58:40 1990

First of all, I would like to know how frequencies are assisgned to various
radio stations. Because on most of the frequencies, lot of stations
will be relaying at the same time causing lot of distortion/interference.
With this which ever station is stronger or closer will take over leaving
no scope for weaker stations. If there is any governing body they
should not assign same freq. to more than one station who start at the
same time.

Secondly, one station is relaying on 15120 and 9610 khz at a particular
time.(that country's home services). How difficult is it if they want
to extend the same transmission to 11620 khz besides 15120 and 9610 at
the same time. (Assuming they have more than one transmitter).

Narotham Reddy
--

From 7012172959799665084
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,cc2b9d767906b764,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,4fa194f3e3d4c86e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-12 16:37:40 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Status of the ICOM R-1
Message-ID: <2239@anasaz.UUCP>
Date: 12 May 90 14:59:14 GMT
References: <30500529@ux1.cso.uiuc.edu>
Reply-To: john@anasaz.UUCP (John Moore)
Followup-To: rec.ham-radio
Organization: Anasazi, Inc.
Lines: 52
Xref: gmdzi rec.ham-radio:11440 rec.radio.shortwave:1216
Posted: Sat May 12 15:59:14 1990

In article <30500529@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
]
]> The radio, as currently designed, is capable of receiving the
]> cellular phone band. Since it is illegal to intercept cellular
]> phone, Icom is having difficulty getting FCC type acceptance and
]> importing the radios. Therefore, Icom has decided to pull the
]> current radio, and come out with a slightly modified version
]> which does not receive cellular phone. I think you will see
]> this radio back on the market in modified form very shortly.
]> I also suspect that enterprising hams will find a way to
]> "remodify" the radio back to its original form.
]
]If the FCC is refusing type-acceptance just because it is capable

]of receiving frequencies that happen to also be used for cellular
]services, then we need to know about this, and immediately. There
]is no authority I know of for the FCC to refuse the type acceptance
]on such grounds since the ECPA does not outlaw the ownership, sale,
]or import of such devices. There *IS* legitimate use for hams to
]receive signals on such frequencies without receiving cellular.
]If you don't know what I mean, get out your interference handbook
]and reread it.

While I agree with Phil's concerns, I suspect that they are misplaced.

I think the R-1 hangup is patent related. Uniden, having acquired ALL domestic makers of scanners, now owns a lot of scanner patents, and apparently is starting to enforce them against other scanner makers. For example, selective scan delay and front end track tuning are patents held by Uniden. i.e. - if you want to buy a good scanner, it will have to be either made by or licensed by Uniden. I don't know what other patents they may hold.

I personally think this is a crock - both of those techniques are obvious, and one requirement to uphold a patent is that it be non-obvious! However, I don't know of any scanner manufacturers fighting the patent. Hmm.... I built a working scanner in 1965, which was more than 17 years ago and thus clearly predates any scanner patents still in force... should have patented it (however, it didn't have either selective scan delay or track tuning)!

]WE NEED TO GENERATE SOME COUNTER PRESSURE!
]

Only if we find the FCC is really at fault, and this this is not just an urban rumor.

--
John Moore HAM:NJ7E/CAP:T-Bird 381 {asuvax,mcdphx}!anasaz!john john@anasaz.UUCP
Voice: (602) 951-9326 (day or eve)   FAX:602-861-7642 Advice: Long palladium,
USnail: 7525 Clearwater Pkwy, Scottsdale, AZ 85253   ......: Short petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -5316824783416106511
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7d7e5fac1c9e3fc8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-12 16:55:49 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!rutgers!bellcore!ka9q.bellcore.com!karn
From: karn@ka9q.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: So you think ham radio has spectrum management problems?
Message-ID: <23169@bellcore.bellcore.com>
Date: 12 May 90 22:54:38 GMT

Sender: news@bellcore.bellcore.com
Reply-To: karn@ka9q.bellcore.com (Phil Karn)
Organization: Secular Humanists for No-Code
Lines: 34
Posted: Sat May 12 23:54:38 1990

From the RISKS digest:

Date: 5 May 90 02:34:32 GMT
>From: chuq@Apple.COM (The Bounty Hunter)
Subject: So many weapons, so little radio spectrum

>From the May, 1990 issue of Monitoring Times, Page 4:

Electronic Blizzard Brings Down U.S. Planes

The Scene is Libya, 1986. High in the sky, an armada of 33 high-tech U.S. fighter planes begin their attack. But something is wrong. One plane, carrying two crew members, crashes. Of the surviving 32 planes -- including five F-11's -- seven are unable to get off even a single shot. The probably reason: an electronic blizard that, according to Pentagon officials, came not from the Libyans but from high-powered U.S. military transmitters that filled the night sky with electronic signals designed to jam Libya's anti-aircraft defenses, hunt down targets, guide weapons and communicate.

According to Air Force Colonel Charles Quisenberry, during the Libran strike, U.S. weapons "were interfering with each other." Numerous U.S. weapons, some of which were electronically guided, went astray during the attack, damaging three foreign embassies and diplomatic residences, uncluding those of France and Japan.

Further, says Quisenberry, some of this interference can "actually effect the ... aircraft's flight controls as well as its fuel controls," either putting a plan into an uncontrolled turn or dive or turning off its fuel supply.

The Pentagon recently finished a classified seven-month investigation of the prolem which led officials to order a more detailed three-year probe. Preliminary studies of one war plan shows "thousands of [frequency] conflics" among weapons. Says Quisenberry, "There are major, major problems out there..."

From -8438202373803115433
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fa194f3e3d4c86e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-12 16:58:25 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Status of the ICOM R-1
Message-ID: <30500530@ux1.cso.uiuc.edu>

Date: 12 May 90 19:39:00 GMT
Lines: 45
Nf-ID: #R:<9005110729.AA02891@ucbvax.Berke:-40:ux1.cso.uiuc.edu:30500530:000:2370
Nf-From: ux1.cso.uiuc.edu!phil   May 12 14:39:00 1990
Posted: Sat May 12 20:39:00 1990

> What about the Icom R-7000? As far as I know, this receiver easily receives
> all of the cellular band, and you can buy it at any participating
> amateur radio store (25MHz to 2GHz coverage). Maybe the R-7000 received
> type acceptance before the ECPA passed Congress? Do you need FCC type
. acceptance on receiving devices before you may sell them in the United States?

Radio devices do need part 15 certification to be sold or imported into the United States.

This certification says NOTHING about what the radio's capabilities or authorized uses are; it is strictly dealing with the radio's (in)ability to interfere with other radios.

There is no authority in the ECPA that prevents the sale of devices capable of receiving the frequencies the cellular service uses. If the FCC is denying part 15 certification because a receiver is able to receive the cellular frequencies (825-845 and 870-890) then it is my opinion the FCC is acting illegally.

There is another possible cause for retrograding the radio to delete those frequencies. The cellular industry might have threatened Icom with a law suit, which we know will costs lots of money even though Icom would win. The extremely sad state of legal affairs in this country makes it possible to manipulate business this way. I don't know that this has happened, but if it has, then I would like to see the hams form an organization that can do its own form of legal threatening.

Of course there still exists the possibility that a patent conflict exists for a patent whose owner failed to obtain protection overseas. An owner who makes demands at such a level as to force someone to go back and redesign their invention out of the device has done poorly in making sure of his own profits.

The rumors on this will go on for a while. When the radio does ship in the US, its features or lack thereof will tell some of the story. If the cellular frequencies are removed, then I personally would urge that the radio be boycotted as a form of counter pressure to the manufacturers to convince them that buckling under to pressure from other sources is not to be taken trivially. There is no valid reason to delete any frequency range in the receiver.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -3932194787637744133
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d33404d49c0a005
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-12 16:58:30 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!rpi!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: What is a CB radio?
Message-ID: <30500531@ux1.cso.uiuc.edu>
Date: 12 May 90 20:13:00 GMT
References: <12280005@hpspdra.HP.COM>
Lines: 76
Nf-ID: #R:hpspdra.HP.COM:12280005:ux1.cso.uiuc.edu:30500531:000:4346
Nf-From: ux1.cso.uiuc.edu!phil   May 12 15:13:00 1990
Posted: Sat May 12 21:13:00 1990

> The use of emotive words like "eavesdroppers" to try to sway arguments is called innuendo, the neutral word would be "listeners".   Listening to cellular telephone conversations may be _illegal_ in the US, but radio waves have a history of not respecting national boundaries. The question of whether it is morally wrong to take radio transmissions that are not intended for your reception is, in my opinion, moot.   However cellular transmissions are a special case only inasmuch as there are large and powerful vested interests. A problem with all telephone systems is that the users have been systematically lied to about how much privacy they have.

I believe we really SHOULD do something about this. One simple way is to simply spread the word around to everyone you know that cellular telephone conversations have a somewhat better expectation of privacy than cordless phones, but definitely not infinitely so.

Why cellular communications have some increased expectation of privacy:

1. There are 666 channels to scan through instead of 10.
2. There are fewer radios that can scan 800 Mhz, and they are a bit more expensive on average, but they exist and are in common use.
3. It is illegal to listen to cellular transmissions, no matter what frequency they are found on, but we know how much respect most people have for laws that prohibit what people do in their homes that cause no harm to anyone.
4. The voice channel on cellular uses exactly the same method of modulation as conventional two-way radios.

Why cellular communications are not completely secure:

1. Older TV sets with channels 70-83 still in them can receive cellular transmissions on channels 73-75 and 80-83. This fact should be taken with extreme concern by persons who are easily offended by strong language, especially if they have children.

2. Legitimate non-cellular uses exist for receivers that are capable of receiving the same frequencies as the cellular service uses.
3. Methods of making receivers that have cellular frequencies removed capable of receiving on cellular frequencies exist and are well known. Most units can be modified by adding or clipping some control diodes. Those that cannot, and for those not wanting to go inside, block converters exist that convert the 800 Mhz frequency block down to more conventional scanner frequencies.

I don't necessarily have all the reasons posted. If you come up with some others, you might want to post them.

My general advice to anyone considering the purchase of a cellular phone is to consider the communications on the phone to be open and public to people who for the most part you do not know. Unlike amateur radio, you can conduct business on the phone. Most hams don't worry about the privacy of their ham communications, and were business to be legal they would probably be ordering tons of pizza regularly. However with cellular, those who listen might try doing things nasty just because they think you have an expectation of privacy, like calling up the pizza place, citing the same phone number you just gave them, and changing your order. To prevent this, upon the initial order, tell the pizza place that ANY changes must be verified by calling you back since you are calling from a cellular phone.

Be sure you understand me; I am not saying cellular phones are bad; I am just trying to get the perspective straight. I am even considering buying a cellular telephone myself. One definite advantage of one of those portable cellular phones, if you get an AC power supply or a spare set of chargeable battery packs, is to avoid having to use that dreaded "call waiting" when you are using your home computer calling out on a modem. Just forward your phone to the cellular, or tell your cellular number to your friends, and go ahead and use the main phone line on the computer.

> If cellular radio really will be secure against unathorized reception,
> then surely there should be no law against such reception, after all
> we don't have laws against teleportation or telepathy do we?

Well, so far I have never met anyone who can teleport.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 170477466968564581
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ff48f31d1a183f60,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-12 16:58:59 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!nic.MR.NET!nic.stolaf.edu!agnes.acc.stolaf.edu!buckij
From: buckij@agnes.acc.stolaf.edu (Jonathan S. Bucki)
Newsgroups: rec.ham-radio
Subject: Ok, How do I get started?

Message-ID: <238@nic.stolaf.edu>
Date: 12 May 90 23:06:16 GMT
Sender: news@nic.stolaf.edu
Reply-To: buckij@agnes.acc.stolaf.edu ()
Organization: St. Olaf College; Northfield, MN
Lines: 10
Posted: Sun May 13 00:06:16 1990

Hi.
I've finally been convinced that I should perhaps look into becoming a Ham radio operator. Where do I start? Addresses? Books? etc.

ALL INPUT APPRECIATED....please use e-mail

Jonathan S. Bucki
buckij@{thor, agnes}.acc.stolaf.edu

From -4933706225149736718
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1f91b164c15bee19
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-12 17:30:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!uwm.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!aspen!laubach
From: laubach@aspen.IAG.HP.COM (Mark Laubach)
Newsgroups: rec.ham-radio
Subject: Re: Any Bay area Hamfests - June & July??
Message-ID: <3080004@aspen.IAG.HP.COM>
Date: 13 May 90 00:30:11 GMT
References: <86128@kean.ucs.mun.ca>
Organization: HP Information Architecture Group - Cupertino, CA
Lines: 9
Posted: Sun May 13 01:30:11 1990

While it is not really a hamfest, on the second Saturday of each month, a rather large and *very* popular ham flea market is held at the Foothill Junior College in Los Altos Hills, CA. This is about 35 miles south of San Francisco. You get to it by taking Route 280 South from San Francisco to the El Monte Road exit. Talk in is on 145.27- which is a repeater local to the south bay/Mountain View area.

73's
Mark, N3BMN

From -8383389307819752795
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d22681f4d8ca9f5b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-12 22:56:14 PST

Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucselx.sdsu.edu!coxc0010
From: coxc0010@ucselx.sdsu.edu (David Tse)
Newsgroups: rec.ham-radio
Subject: Re: Looking for 2m HT purchase advice.
Message-ID: <1990May13.041241.576@ucselx.sdsu.edu>
Date: 13 May 90 04:12:41 GMT
References: <10110001@hpislx.HP.COM> <18230011@col.hp.com>
Reply-To: coxc0010@ucselx.sdsu.edu (David Tse)
Organization: San Diego State University Computing Services
Lines: 34
Posted: Sun May 13 05:12:41 1990

To: kenw@col.hp.com
Subject: Re: Looking for 2m HT purchase advice.
Newsgroups: rec.ham-radio
In-Reply-To: <18230011@col.hp.com>
References: <10110001@hpislx.HP.COM>
Organization: San Diego State University Computing Services
Cc:
Bcc:

But Icom IC-28 line is worse than Yaesu 211 line in intermod and and selectivity. (I'm just talking about mobile units).
Icom 02AT line is good and rug.
Except for Yaesu bad reputation in costomer services, I don't see their design being inferior nor their durability. Why stay away?
I had a Kenwood 21AT for some years and it has no problem, but I understand it's layout is not very neat inside.
The current Kenwood HTs is lacking features (and size) to Icom and Yaesu.
But my Kenwood TH-215 has very sensitive and selective receiver, best I've seen yet.
All three brands are as good to me. Standard (Heath Kit) follows very close.
I noticed most people prefered Icom. why?
Kenwood wins out in looks too.
Icom wins in accessories compatibilities, and size in new ones.
Yaesu is still good in features (back lit keyboard in 470), and design.
My lost FT-23 was the best features/size at that time!

I want a 470 or 24AT later.

--

```
/*****************************************************************************/
/*                                                                           */
/*    David Tse      Internet: coxc0010@ucselx.sdsu.edu (expire 5/31/90)     */
```

From 5881120011346066679
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f339b67ca6a94d5d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,f339b67ca6a94d5d

X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-12 23:18:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
sunybcs!boulder!ccncsu!sivagnan
From: sivagnan@handel.CS.ColoState.Edu (S. Vasanthan)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Feeler - VOA Broadcast Schedule
Message-ID: <SIVAGNAN.90May12225737@handel.CS.ColoState.Edu>
Date: 13 May 90 04:57:37 GMT
References: <27@voa3.UUCP>
Sender: news@ccncsu.ColoState.EDU
Distribution: rec
Organization: Dept. of Computer Science, Colorado State University.
Lines: 12
Xref: gmdzi rec.ham-radio:11446 rec.radio.shortwave:1217
Posted: Sun May 13 05:57:37 1990
In-reply-to: eab@voa3.UUCP's message of 10 May 90 18:13:13 GMT

I am very much interested in having the VOA Broadcast Schedule posted
to the net. At the very least (if there in no sufficient interest)
have it available via some ftp site such as uunet.

About the frequency of posting it, if and when the schedule changes.
You can post the diffs, or post everything again. This depends on how
often the schedule changes and how much is changed. If the VOA
Magazine is published bimonthly, then lets have it bimonthly.
--
Vasanthan
Dept. of CS, CSU.

From -1081346287884602034
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fa194f3e3d4c86e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,69909275bbd98205
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-05-12 23:19:25 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: Status of the ICOM R-1
Message-ID: <709@ssc.UUCP>
Date: 12 May 90 23:32:50 GMT
References: <9005110729.AA02891@ucbvax.Berkeley.EDU> <23109@bellcore.bellcore.com>
Organization: SSC, Inc., Seattle, WA
Lines: 20
Posted: Sun May 13 00:32:50 1990

In <23109@bellcore.bellcore.com>, jdn@casux4.uucp (jonathan nagy) writes:
> In article <9005110729.AA02891@ucbvax.Berkeley.EDU> MEHARP01@ULKYVM.BITNET
(Michael Harpe) writes:

> >
> >Well, folks it appears that the ICOM R-1 was either vaporware or just
> >couldn't be sold in the U.S.
>
> The radio, as currently designed, is capable of receiving the
> cellular phone band. Since it is illegal to intercept cellular
> phone, Icom is having difficulty getting FCC type acceptance and
> importing the radios.

Scanning radios are not type-accepted. They are certified (See Title
47 part 15, and part 2 subpart J).   This is the same procedure that
personal computers go through. (The list include Verification, Notification,
Certification, Type Acceptance and Type Approval, and, boy, am I glad I'm
not a lawyer and have to read this sort of stuff all the time.)

Sounds like the R-1 puts out too much spurious stuff.

markz@ssc.uucp

From -6803604313947254004
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fa194f3e3d4c86e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1153e1,3f37dd9ae51aa7f0
X-Google-Attributes: gid1153e1,public
X-Google-ArrivalTime: 1990-05-12 23:22:10 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Status of the ICOM R-1
Summary: ICOM R1, Cellular restrictions?
Message-ID: <705@ssc.UUCP>
Date: 12 May 90 21:24:13 GMT
References: <9005110729.AA02891@ucbvax.Berkeley.EDU> <23109@bellcore.bellcore.com>
Organization: very little
Lines: 54
Posted: Sat May 12 22:24:13 1990

In article <23109@bellcore.bellcore.com>, jdn@casux4.uucp (jonathan nagy) writes:
> In article <9005110729.AA02891@ucbvax.Berkeley.EDU> MEHARP01@ULKYVM.BITNET
(Michael Harpe) writes:
> >
> >
> >What's interesting is that ICOM ran a back cover ad on the May issue of
> >Popular Communications advertsing their new receivers. EEB (a major ICOM
> >dealer) had also run ads for May, 1990. The people at EEB sounded really
> >annoyed at ICOM for pulling this rig so suddenly. I sense a production
> >yield or tariff problem here. I personally think the radios exist and they
> >and they can't get them into the U.S.
> >This is a Stone Cold Bummer :-(:-(. I was really looking forward
> >to that radio.
> >

> >Anyone else heard anything?
> >
> Here is what I heard from a friend who travels regularly to Japan
> and has contacts with Icom in Japan.
>
> The radio, as currently designed, is capable of receiving the
> cellular phone band. Since it is illegal to intercept cellular
> phone, Icom is having difficulty getting FCC type acceptance and
> importing the radios. Therefore, Icom has decided to pull the
> current radio, and come out with a slightly modified version
> which does not receive cellular phone. I think you will see

I don't get it......Icom already sells radios that make no attempt to restrict cellular coverage. No mods required. What is special about this one that would attract the FCC's interest? I thought the ECPA only prohibited selling devices that are SPECIFICALLY designed to intercept cellular phone calls.

Any ideas on this? Or did Icom's other radios come out before the ECPA, and then get grandfathered?

I always thought that the reason that Tandy restricted cellular coverage on their scanners was because of marketing considerations due to the fact that they also market cellular phones, not because of legal problems.

Can someone enlighten us on this?

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 4356042919569020477
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4cba013517b85e9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-12 23:22:12 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: New AEA Antenna & Unrelated Matters
Summary: Iso Loop bandwidth, AEA antenna, tuning

Message-ID: <706@ssc.UUCP>
Date: 12 May 90 21:33:09 GMT
References: <9005110725.AA02604@ucbvax.Berkeley.EDU> <13578@csli.Stanford.EDU>
Organization: very little
Lines: 32
Posted: Sat May 12 22:33:09 1990

In article <13578@csli.Stanford.EDU>, kawai@csli.Stanford.EDU (goh kawai - n6uok) writes:
> Mike Edelman (KE8YY) inquires:
>
> >Has anyone played with this thing yet, or perhaps with other variants
> >on the same idea..?
>
> you have a big capacitor at the end. Which gives you very narrow bandwidth.
> I have not used the AEA loop (looks like a football stadium portable seat
> to me), but a friend calculated that the bandwidth should be in the range
> of 10 to 20 kHz with around 80% efficiency - that is, you sacrifice
> bandwidth for the sake of RF.
>
> >goh<

The AEA antenna gets around the bandwidth problem by having a motor driven capacitor. At any one setting, the bandwidth may be narrow, but to change frequency you just nudge the remote cap control for minimum reflected power.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -4633513675113823256
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c956e8c449f1f39,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-12 23:22:23 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes, 5/11/90
Message-ID: <1489@n8emr.UUCP>
Date: 13 May 90 02:14:33 GMT

Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 194
Posted: Sun May 13 03:14:33 1990

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==============================================================
|         Relayed from packet radio via                 |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ RTTYDX $RTDX1105
RTTY DX Notes, 1of3, 5/11/90

RTTY DX Notes for Weekending 11th May 1990.
Part 1 of 3.
BID: $RTDX1105

It seems to me that some DXpeditions go out well prepared, with good gear and good operators, while others do not. But speaking of dxpeditions, DX1 has heard of one that will be going to Lord Howe Island, signing VK9LI, for the A.N.A.R.T.S. Contest June 9th to 11th. The operation will be for three days prior to the contest and two or three days after the contest. This will be an RTTY only operation, and will not be running linears. As DX1 appears to know about it, you might as well send your QSL etc to him.

Our thanks this week go to I5FLN, I5ICY, I5IGQ, JA1ACB, JA1BLV, OD5NG, TG9VT, VK2EG, W1DA, W2JGR and the Tri-State DX Association VHF packet cluster. Your information is really appreciated.

Bandpass

Friday   4

LY1BZD	14082	at	0929Z	
RI8AP	21090	at	1214Z	
YC6KHL	21088	at	1737Z	
SV5TS	21086	at	1758Z	
EO5O	14089	at	2345Z	QSL/Note

Saturday 5

TJ1MW	14088	at	0630Z	
TR8JLD	14085	at	0645Z	
BY4AA	21085	at	0750Z	QSL
T32AB	21085	at	0751Z	QSL
J28TY	21091	at	1320Z	
TF4LB	14092	at	1350Z	

```
VU2DPG    21073  at  1456Z  ARQ
UZ3AYR    21091  at  1520Z
UA9CHK    21083  at  1649Z
ZS9A      21095  at  1710Z  QSL
ZP5FGS    28089  at  1740Z
BV4VB     14095  at  2001Z
RO5OO     14084  at  2305Z
EA9MY     14082  at  2310Z

Continued in part 2.
/EX
SB RTTYDX @ RTTYDX $RTDX1205
RTTY DX Notes, 2of3, 5/11/90

RTTY DX Notes for Weekending 11th May 1990.
Part 2 of 3.
BID: $RTDX1205


Sunday    6

UZ3AYR    14086  at  0300Z
UB5HQ     14088  at  0305Z
UQ2HO     14084  at  0942Z
EM3W      14083  at  1140Z
RO5OO     14086  at  1253Z
BY1QH     14090  at  1318Z
YC1YMN    21081  at  1520Z
TL8TM     21089  at  1528Z
FM5FA     21083  at  1950Z
KE0YG/TF  21082  at  1952Z
HS1BV     21087  at  2240Z
R3AFG     14083  at  2240Z  Note
V31AR     14074  at  2350Z  FEC
TR8JLD    21087  at  2350Z
SU1HN     14083  at  2355Z

Monday    7

EO5O      14085  at  0532Z
UA3PNN    14086  at  0550Z
6Y5PK     14085  at  0552Z
TJ1MW     14086  at  0555Z
XW8KPL    21085  at  0900Z  QSL
9M2AX     21087  at  1755Z
TA3F      21097  at  1810Z


Tuesday   8

EO5O      14081  at  0035Z
T32AB     21084  at  0344Z  ARQ
EN8TJ     14086  at  0351Z  QSL
```

SV9AHZ	14086	at	0555Z	
RF6FC	14087	at	1620Z	
UQ2HO	14090	at	1707Z	
9H1DW	14090	at	1740Z	
TR8JLD	21091	at	2114Z	

Wednesday 9

UA3PNN	14085	at	0331Z	
UC1TWR	14086	at	0500Z	QSL
EN8TJ	14088	at	0524Z	
TJ1TA	14082	at	10552Z	
XW8KPL	21088	at	0911Z	
EA8ABD	21088	at	1743Z	

Thursday 10

UZ9CWA	14095	at	0302Z	
HC8VB	14086	at	0518Z	
UB4TWQ	14089	at	0520Z	

Continued in part 3.

/EX
SB RTTYDX @ RTTYDX $RTDX1305
RTTY DX Notes, 3of3, 5/11/90

RTTY DX Notes for Weekending 11th May 1990.
Part 3 of 3.
BID: $RTDX1305

QSL Information.

BY4AA will QSL via Box 085-205, Shanghai, Republic Of China.

T32AB says to send his cards to N7YL.

XW8KPL for some reason says to QSL to Box 310, Vientiane, Laos. (His home call is JA3MNP).

EO5O will receive his cards via Box 7 Chadyp-Lunga 27870, USSR.

EN8TJ will QSL via UT5JCF.

UC1TWR will QSL via Box 57, Grodno, 230003 Bylorussia, USSR.

Notes of Interest.

XW8KPL is active on 20 and 15 meters for a period of 1 to 2 weeks. After that stint they hope to operate from XZ (Burma) and S2

(Bangaladesh) with RTTY in both places. Though from reports from a reliable source, it is considered that RTTY would be impossible from both places. But we will wait and see what happens.

Conway Reef should appear from 17th to 29th May with six operators, though there is some doubt about RTTY.

Kuria Muria, A43KM/0 is expected about 17th to 24th May, again there is some doubt about RTTY.

Spratly has gone QRT, despite rumours to the contrary.

YV0AA cards should be available mid June.

Jan Mayen, JX9CAA reports that there are four operators there at the moment. JX2FL will operate SSB and CW from April until July, JX7XL and JX7DF will be there from April until October and will QSL via (call) N8013, Jan Mayen , Norway. While JX9CAA will be there from April until October and will be the only RTTY station operating and will QSL via LA5NM, he will be on RTTY on 14085 KHz and packet (at LA9FV) on 14109 KHz.

R3AVE, EO5O and the other odd Russian calls are special calls for the celebration of the end of WW2 with Germany.

Finally, don't forget the A.N.A.R.T.S. RTTY Contest June 9th 0000Z until June 11th 0000Z. See you there, and look for VK9LI. A report received says that JT0DX cards are being received in JA land. More hope.

GL DE DX1 (VK2SG).

Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA.
/EX
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From -2041803705403957665
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed66df253c637dfa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-13 00:38:30 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!TAMVENUS.BITNET!MCL9337
From: MCL9337@TAMVENUS.BITNET
Newsgroups: rec.ham-radio
Subject: Audio descrambler
Message-ID: <9005130710.AA00212@ucbvax.Berkeley.EDU>

Date: 13 May 90 05:59:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Sun May 13 06:59:00 1990

Someone once posted that they had schematics for a circuit that would descramble frequency-inverted audio. I would like to see these. If you know of such schematics and where I can get them, or perhaps you know the address the original poster gave to send an SASE, please let me know.

Mark C. Lowe - KB5III

MCL9337@TAMVENUS.BITNET

From 7499105913544951411
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d22681f4d8ca9f5b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-13 00:44:30 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!zaphod.mps.ohio-state.edu!
maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Looking for 2m HT purchase advice.
Message-ID: <30500532@ux1.cso.uiuc.edu>
Date: 13 May 90 06:33:00 GMT
References: <10110001@hpislx.HP.COM>
Lines: 32
Nf-ID: #R:hpislx.HP.COM:10110001:ux1.cso.uiuc.edu:30500532:000:1114
Nf-From: ux1.cso.uiuc.edu!phil   May 13 01:33:00 1990
Posted: Sun May 13 07:33:00 1990

> Except for Yaesu bad reputation in costomer services, I don't see their design
> being inferior nor their durability. Why stay away?

They have a thin plastic feel to me. Also I've heard Yaesu has least frequency stability. The specs of a few rigs confirmed this.

> I noticed most people prefered Icom. why?

Icom's larger HT's have all used the same accessories including batteries. They have a wider battery choice and were first in second source batteries. Kenwood's current twist-on battery pack on the TH-215 and like are reputed to have breakable tabs.

> Kenwood wins out in looks too.

I cannot agree. I prefer the simplicity look of Icom.

> Icom wins in accessories compatibilities, and size in new ones.

So I guess you answered your question.

> Yaesu is still good in features (back lit keyboard in 470), and design.

Can you really read EVERYTHING on it in the dark?

> I want a 470 or 24AT later.

You are favoring the smaller size units?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 898194375O731101348
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d33404d49c0a005
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-13 00:44:33 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: What is a CB radio?
Message-ID: <30500534@ux1.cso.uiuc.edu>
Date: 13 May 90 06:49:00 GMT
References: <12280005@hpspdra.HP.COM>
Lines: 20
Nf-ID: #R:hpspdra.HP.COM:12280005:ux1.cso.uiuc.edu:30500534:000:1016
Nf-From: ux1.cso.uiuc.edu!phil   May 13 01:49:00 1990
Posted: Sun May 13 07:49:00 1990

> >The ECPA supersedes the Communications Act of 1934 (in the area under
> >discussion.)....Both are reasonable, Constitutional statutes....if you
> >don't like the policy you should change it by intense lobbying of your own.
>
> Or perhaps by ignoring it :-)
>
> BTW, what makes you think that the ECPA is constitutional, or that the Supreme
> Court will uphold the legality of the ECPA prohibitions on listening to certain
> frequencies?

The ECPA does not prohibit receiving specific frequencies; it prohibits receiving specific kinds of communications. The subtle difference here is very important. You can listen to your own harmonic of your own radio transmissions that happen to be in the same frequency band as cellular is assigned, but you may not legally listen to cellular communications even if you happen to catch it on an intermod or harmonic.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society

<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -9266783675718939850
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fa194f3e3d4c86e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-13 00:44:37 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!zaphod.mps.ohio-state.edu!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Status of the ICOM R-1
Message-ID: <30500533@ux1.cso.uiuc.edu>
Date: 13 May 90 06:46:00 GMT
Lines: 53
Nf-ID: #R:<9005110729.AA02891@ucbvax.Berke:-40:ux1.cso.uiuc.edu:30500533:000:2579
Nf-From: ux1.cso.uiuc.edu!phil   May 13 01:46:00 1990
Posted: Sun May 13 07:46:00 1990

> I think the R-1 hangup is patent related. Uniden, having acquired ALL
> domestic makers of scanners, now owns a lot of scanner patents, and
> apparently is starting to enforce them against other scanner makers.
> For example, selective scan delay and front end track tuning are
> patents held by Uniden. i.e. - if you want to buy a good scanner,
> it will have to be either made by or licensed by Uniden. I don't
> know what other patents they may hold.

Could you post a description of what the various scanner features actually do and how they are operated? A lot of times, the "sales talk" description of these scanning features does not really say how they really work.

One thing I personally would like in a scanner is for SEPARATE timing controls on the time to stay while a signal is present and the time to stay after a signal goes absent. I have seen NO scanner that has this.

Another feature I'd like to see is to allow a single memory to define a block of frequencies in terms of the frequency step. When scanning hits this memory, it steps through all the defined frequencies and once done, goes on to the next memory. It would take but a few memories to program the complexity of the 2 meter band this way, not to mention the mess we call VHF land mobile.

Yet another feature is programmable lists, where scanning is performed via a programmable list of memories (including block ones from above). Thus I can set up several different scan groups which even have overlaps and pick the one I want quickly when I want it, rather than have to step through all the memories and set a SKIP on the ones I don't want.

> I personally think this is a crock - both of those techniques are
> obvious, and one requirement to uphold a patent is that it be

> non-obvious! However, I don't know of any scanner manufacturers
> fighting the patent. Hmm.... I built a working scanner in 1965,
> which was more than 17 years ago and thus clearly predates
> any scanner patents still in force... should have patented
> it (however, it didn't have either selective scan delay or track
> tuning)!

Let's just hope that Uniden doesn't start "look and feel" arguments.
I am boycotting Apple for as long as they hold their position.

>]WE NEED TO GENERATE SOME COUNTER PRESSURE!
>]
>
> Only if we find the FCC is really at fault, and this this is not
> just an urban rumor.

Or if it comes from the cellular industry itself.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -2342853790650455422
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,960f9425d63f62c9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-13 00:44:39 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!
maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: How frequencies are assigned ??
Message-ID: <30500535@ux1.cso.uiuc.edu>
Date: 13 May 90 06:51:00 GMT
References: <1578@nsscb.UUCP>
Lines: 8
Nf-ID: #R:nsscb.UUCP:1578:ux1.cso.uiuc.edu:30500535:000:409
Nf-From: ux1.cso.uiuc.edu!phil   May 13 01:51:00 1990
Posted: Sun May 13 07:51:00 1990

There are not enough frequencies. I believe most SWBC stations try to aim
their signals to only a small portion of the globe on any given frequency
or from any given antenna farm. You might be in a boundary between two of
the regions for some services.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -5977294939952177092
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e73637ef6fb3b898

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-13 00:44:43 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Cellular Telephone
Message-ID: <30500536@ux1.cso.uiuc.edu>
Date: 13 May 90 07:00:00 GMT
References: <7624@lynx.UUCP>
Lines: 39
Nf-ID: #R:lynx.UUCP:7624:ux1.cso.uiuc.edu:30500536:000:2020
Nf-From: ux1.cso.uiuc.edu!phil   May 13 02:00:00 1990
Posted: Sun May 13 08:00:00 1990

> >From what I've heard and read, I've put together that digital cellular will
> >be or has been allocated spectrum in or around 1600 MHz. It will be purely
> >digital and not compatible whatsoever with the analog system.
>
> Phil, I would be interested in where you read or heard this, as it is about
> 180 degrees out of phase with what I have read (see my posting about the
> digital capable cellular phones).

Motorola has hired some RF engineers and located them in the same place
where cellular development is going on. The advertising for their jobs
stated "cellular" and "1600 Mhz". These were in some RF industry magazines.

> Of course, since all this is still in the R&D phase, it would not suprise me
> one bit if there are several different systems being developed by different
> companies......they decision to actually implement a system might not be made
> for several years yet.....

And therefore things are not in stone, yet. But certain companies are very
big sway at the FCC, and Motorola is mentioning availability of digital
cellular very soon. I am keeping watch on FCC developments via FR.

> BTW, some people get "antsy" about holding a portable cell phone near their
> head, and these transmit in the high 800 MHz region.....you can bet that these
> same people will be doubly antsy if 1.6 GHz cell phones become available!

That's where salesmen come in. Remember those guys? They are the ones that
have the public convinced that cellular is absolutely secure. They will
simply convince the public that cellular is absoluetly SAFE and make more
profit. Simple, eh?

> Even though I am not a ham, I feel for you fellows....having your spectrum
> stolen is bad enough, but then to be insulted by the Land Mobile industry so
> brazenly.......it is enough to make your blood boil.

They are just in it for the money. We know that.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society

<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -3408348980222514457
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8f3c6f4d7fcae84d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-09 10:24:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!CONNCOLL.BITNET!gateh
From: gateh@CONNCOLL.BITNET
Newsgroups: rec.ham-radio
Subject: Info needed from 8/89 _73_ article
Message-ID: <9005091724.AA13978@mvax.cc.conncoll.edu>
Date: 9 May 90 17:24:10 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Wed May 9 18:24:10 1990

This is posted for a friend without net access:

Hello Info-Hams folks,

I am looking for the value of two capacitors (C1 & C2) from the article "Need FM?" in the August 1989 issue of the magazine _73_. It is missing from my local library.

Thanks much in advance! - George

George Blahun   Quaker Hill, CT   KS1U

Folks may respond directly to me if you feel so inclined. Thanks - Gregg

Gregg TeHennepe | Academic Computing Services | Yes, but this
gateh@conncoll.bitnet | Connecticut College, New London, CT | one goes to 11...

From 4644475946672339858
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,407803ed59a39954,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-09 10:35:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!MONMOUTH-EMH3.ARMY.MIL!asco001
From: asco001@MONMOUTH-EMH3.ARMY.MIL (AMSEL-RD-ASCO)
Newsgroups: rec.ham-radio
Subject: PACKET RADIO GATEWAYS
Message-ID: <9005110728.AA02796@ucbvax.Berkeley.EDU>

Date: 9 May 90 17:35:53 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Wed May 9 18:35:53 1990

ARE THERE ANY HOSTS/DOMAINS/TACS GATEWAYED INTO A LOCAL NET? I HAD
HEARD THAT US NAVAL ACAD WAS GATEWAYED INTO MIDSHIPMAN'S SYSTEM FOR E-MAIL
PURPOSES. ANYBODY WITH ANY INFO? THANKS.
73,
GARY, N4OCW

From -7009728319484462411
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96d4d0753b25f0ca,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-09 10:46:35 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!tut.cis.ohio-state.edu!cs.utexas.edu!
samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hp-pcd!hpcvra!steveh
From: steveh@hpcvra.CV.HP.COM (Steve Harper)
Newsgroups: rec.ham-radio
Subject: Want tech info on cellular
Message-ID: <5710009@hpcvra.CV.HP.COM>
Date: 8 May 90 21:23:07 GMT
Organization: Hewlett-Packard Co., Corvallis, OR, USA
Lines: 9
Posted: Tue May 8 22:23:07 1990

I've heard a lot of talk about cellular radio, cellular phones,
monitoring this-and-that, etc. I would like to know if there
is somewhere a definitive technical tutorial on cellular
technology: past, present, and future... What is it, how does
it work, who are the players and what are they doing...???
I would appreciate any information very much.

Thanks,
Steve KF7WY

From 9141124388101968169
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ba856d3097d2e05e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-09 12:14:44 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
NUWES-LLL.NAVY.MIL!nfunamura%mis2.decnet
From: nfunamura%mis2.decnet@NUWES-LLL.NAVY.MIL ("MIS2::NFUNAMURA")
Newsgroups: rec.ham-radio
Subject: QST article?
Message-ID: <9005090708.AA21263@ucbvax.Berkeley.EDU>
Date: 9 May 90 07:08:40 GMT
Sender: daemon@ucbvax.BERKELEY.EDU

Organization: The Internet
Lines: 54
Posted: Wed May 9 08:08:40 1990
X-Unparsable-Date: 8 May 90 14:08:00 GMT-10:00

In Message-ID: <49@thoreau.nsc.com> Ron Todd writes:

>..............................
>I assume you have some FT-243 crystals or the old Blailey mounts in mind;
>these hermetics are a bear to work on, particularly the HC-18's and the
>little watch bar blanks.
>.............................
>If you are still of a mind to do this kind of work here is what I know. (damn
>little compared to some of the old masters)

>Materials:

> a piece of FLAT 1/4th inch plate glass 9" x 9" is a good size
> some carborundum or diamond dust, grade 600 or 1200 grit is best
> distilled water
> solvent alcohol
> a cookie sheet
> several small cleaning dishes
> a CLEAN place to work

>Procedure:

> Remove the blank from the mount. For the FT-243 holders this can
>be done with a small screw driver. Take note of the assembly sequence
>so you can remount when needed. For the hermetic rocks you first unseal
>the can at the evacuation hole using a small soldering iron then unsolder
>the can around the base; be careful not to crack the base.

>................................

In the Mid fifties we (high school kids using 1 tube transmitters) used to grind FT-243 xtals up to the 40 meter novice band (7.15 to 7.20 MHz in those days) from stock xtals in the 6.95 to 7.10 MHz range. As I recall, all we used was a piece of window glass, some COMET or AJAX scouring powder, and plain ordinary tap water.

We were told that grinding should be done in a figure eight motion to assure an even grind, and also to try to only grind one side of the crystal. The grinding table was the window glass which was prepared with a couple drops of water on which the COMET had been sprinkled. We used the index finger directly on the crystal (no separate glass plate). After grinding, the crystals were washed and dried and from this point only handled by the edges.

I would estimate that our success rate was nearly 100% when grinding the crystal up 50 KHz or less. The failure rate increased as the frequency shift requirement increased. Also the crystal activity suffered and more chirpy signals resulted. I don't think we were able to achieve a shift of over 200 KHz with much luck. Anyway, don't ask me about stability of the crystal etc. but it was good enough to get us on the air.

I'm posting not to dispute anything Ron has posted....There's a right way and a not so right way....So if you have enough crystals, and want to get your feet wet, jump in!

73, Norman
KH6R   (808) 668-3087

From 537200664928975346
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93f9163823588166
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-09 12:33:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!uxh.cso.uiuc.edu!dwsmith
From: dwsmith@uxh.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: ICOM R1 Rumors
Message-ID: <30000024@uxh.cso.uiuc.edu>
Date: 9 May 90 01:59:00 GMT
References: <9354@lindy.Stanford.EDU>
Lines: 7
Nf-ID: #R:lindy.Stanford.EDU:9354:uxh.cso.uiuc.edu:30000024:000:137
Nf-From: uxh.cso.uiuc.edu!dwsmith   May 8 20:59:00 1990
Posted: Wed May 9 02:59:00 1990

I hear that the ICOM IC-R1 did not show up at Dayton despite a scheduled appearance. Any truth to this?

Dave, N4DSZ
dwsmith@uiuc.edu

From 594767860110116191
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,65e789e63043732c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-09 12:59:07 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!hydra!jta
From: jta@hydra.Jpl.Nasa.Gov (Jon T. Adams)
Newsgroups: rec.ham-radio
Subject: Re: Crystal shaving...
Message-ID: <1990May9.133049.6281@elroy.jpl.nasa.gov>
Date: 9 May 90 13:30:49 GMT
References: <08.May.90.14:29:08.BST.#3573@UK.AC.NWL.IA>
Sender: Jon T. Adams
Organization: Jet Propulsion Laboratory, Pasadena, CA
Lines: 24
Posted: Wed May 9 14:30:49 1990

In article <08.May.90.14:29:08.BST.#3573@UK.AC.NWL.IA> PJML@ibma.nerc-wallingford.ac.UK ("Pete Lucas, NCS-TLC, Swindon U.K.") writes:
>Plating a rock is easy; use copper sulphate solution, 0.1 molar. Link both the

... concise technical discussion of correct way to adjust xtal frequencies ...

>I shifted a HC6U rock from 7055KHz down to 7001KHz this way (i was
>aiming for 7000KHz but could pull it the last 1KHz with the trimmer).
>...
>   Pete Lucas G6WBJ   PJML@UK.AC.NERC-WALLINGFORD.IBMA   0793-411613

Geeee.... We were poor kids - we'd unsolder the cover on the crystal
can, take a number 2 pencil and put a mark on the crystal surface.
The added mass would change the resonance frequency just enough to
get us out of the Extra band or into it...

73 - Jon
NW6H/exWA6IRH/exWN6IRH (chirp and drift)

```
--
Jon Trent Adams, NW6H          | "Per Aspera Ad Astra" A Dead Roman
JTA@hydra.jpl.nasa.gov         | Way-Rad : Opinionated : Single : Prevaricator :
"jpl don't know me from squat"| Raconteur : Engineer : President, Local Chapter
Ghenghis Khan Fan Club : Honorable Mention, "Calvin" Lookalike Contest
```

From 2139411704687364888
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,57b23e413ec3b4a9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-09 14:15:26 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com (DUBE TODD)
Newsgroups: rec.ham-radio
Subject: No audio on Icom...general fixing things
Message-ID: <9005092117.AA27237@ti.com>
Date: 9 May 90 21:15:26 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 44
Posted: Wed May 9 22:15:26 1990

Jim Stewart asked if there was a book (or whatever) that covers problems
and the tricks to finding and fixing them.

Unfortunately, no one book exists that covers the full range of problems
one is likely to encounter in troubleshooting equipment. There are a lot
of periodicals, books, articles, etc. about locating those hard-to-pin-down problems with TV's; and most of these come from guys with a lot of
experience with them. Many people keep a little "diary" in which they
list those "dog" problemsfor which some unusual repair was required.

Often, these rare problems/fixes apply only to one model or manufacturer; and may be tried on other equipment when all else fails.

Troubleshooting faults in radios, nd TV's, TV's, autos, and yes, even human bodies, requires a fair amount of knowledge of the BASICS on which their systems are built. You can get this from books, schools, etc. Further, good fast troubleshooting also requires a knowledge of the equipment itself and how it works---how it incorporates the BASICS you learned about in the books and schools. Here is where the experience comes in. The most well-read person who understands thoroughly the BASICS can't just go into a complex piece of gear and find a fault. A study of how it works is in order. By the rule of the Learning Curve, the more problems you deal with on a particular piece of gear, the better you get at finding and fixing problems with that gear. (Learning Curve = Experience).

Your own ability to keep your thoughts organized; to apply knowledge of past problems and their fixes; and the knowledge of and ability to follow a logical and methodical course of action are the catalyst that brings knowledge of BASICS and knowledge of equipment together to solve the problem at hand.

Many people reading this will recognize that the general problem-solving principles apply as well here as to determining why a product is losing market share. Why did I stress BASICS? Simply because a knowledge of the fundamentals is an absolute necessity without which knowledge of equipment is almost a hindrance; and proper experience canl not be gained.

With a thorough understanding of the BASICS you can find and fix a problem *eventually* on a piece of gear you've never seen before. Add a knowledge of how it works, and you find and fix it faster. Now add a year's experience on that gear, and it almost seems as if there is no problem.

73,
Dube Todd   N5PDK

From 2685577989899325626
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93f2b97f0d4094bc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-09 14:29:40 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cica!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: Icom R1 Rumors
Message-ID: <44418@iuvax.cs.indiana.edu>
Date: 9 May 90 13:56:47 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 15
Posted: Wed May 9 14:56:47 1990

>I hear that the ICOM IC-R1 did not show up at Dayton despite a
>scheduled appearance. Any truth to this?
>
>Dave, N4DSZ dwsmith@uiuc.edu

True. I don't think they had R100 or R72A either. An (American) Icom rep claimed "production delays" of 6 months to a year.

--

Frank   W9MKV   reid@ucs.indiana.edu
PS - I didn't find a CRM-114 :-)

From -526512650414029172
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,65e789e63043732c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-09 14:31:12 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!hydra!jta
From: jta@hydra.Jpl.Nasa.Gov (Jon T. Adams)
Newsgroups: rec.ham-radio
Subject: Current 10 meter Propagation
Summary: Survey for ACTIVE 10 Meter users
Keywords: 10M, 10 meters, propagation
Message-ID: <1990May9.142909.8701@elroy.jpl.nasa.gov>
Date: 9 May 90 14:29:09 GMT
References: <08.May.90.14:29:08.BST.#3573@UK.AC.NWL.IA>
<1990May9.133049.6281@elroy.jpl.nasa.gov>
Sender: Jon T. Adams NW6H
Organization: Jet Propulsion Laboratory, Pasadena, CA
Lines: 68
Posted: Wed May 9 15:29:09 1990

WB6HQK, WB6ZSU, K6JRR, WA6CGR, myself and a few others are beginning to get our 10-meter-mobile plans ready for summertime vacations and driving, and we've got a couple of questions for those who regularly use 10 meters.

Since I hope that there'll be more than a few responses to these questions, please mail all response to

grian!puffin!wb6hqk@elroy.jpl.nasa.gov

You may also merely reply to this message and I'll forward the responses to HQK...

^L
**************10 Meter Propagation Survey***************

Please answer these questions based upon only your 10m experience of the past 12 months.

We are looking for specific information on achieved and predicted operation on 10m over a 100 - 2000 mile range zone.

For each question, please note any propagation differences between CW, voice (AM, FM, SSB) and packet operation.

The term "reliable" means at least marginal (or better) communications 50% of the time (in other words, the ability to exchange callsigns, signal strengths and locations during a short QSO).

1) How much power do you generally run on 10m?

2) How much power do the majority of your contacts on 10m use?

3) What type of antennas do you use for your various 10m operations?

4) During the daytime hours, what kind of range do you reliably expect and achieve on 10m?

5) During nighttime hours, what kind of range do you reliably expect and achieve on 10m?

6) For the upcoming 12 month period, predict a range over which a pair of 10m, 10-watt mobile installations could enjoy reliable communications.

Bonus Essay Question (10 extra points)

Given two to four hundred dollars and a 12-volt, trickle-charged car battery as your power source, which of the current 10-meter radios would you purchase and why? (Yes, you can spend the money ONLY on a 10m radio...)

Thanks for your time. I will post a summary of the information gathered via this Survey.

73 - Jon NW6H
```
--
Jon Trent Adams, NW6H         | "Per Aspera Ad Astra" A Dead Roman
JTA@hydra.jpl.nasa.gov        | Way-Rad : Opinionated : Single : Prevaricator :
"jpl don't know me from squat"| Raconteur : Engineer : President, Local Chapter
Ghenghis Khan Fan Club : Honorable Mention, "Calvin" Lookalike Contest
```

From -6918517351777548903
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ba856d3097d2e05e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-09 14:45:22 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!mips!wdl1!engle
From: engle@wdl1.UUCP (David Engle)
Newsgroups: rec.ham-radio
Subject: Re: QST article?
Message-ID: <4820025@wdl1.UUCP>
Date: 9 May 90 18:39:50 GMT
References: <9005090708.AA21263@ucbvax.Berkeley.EDU>
Lines: 30
Posted: Wed May 9 19:39:50 1990

>................................
>I assume you have some FT-243 crystals or the old Blailey mounts in mind;
>these hermetics are a bear to work on, particularly the HC-18's and the
>little watch bar blanks.
>..............................

A few postings about altering FT-243 crystal frequencies have been put up here. I and a few others also used the ajax cleaner method of raising the frequencies with some degree of success. However, being a little over eager we over-shot the desired frequency range a few times (i.e., made the crystal blank too thin) and had to lower the frequency. Another poster described how to lower the frequency of FT-243 blanks by copper plating. We were not that clever. Instead what we did was rub a piece of solder on the crystal to build up the thickness. We found this to work to a limited degree and was able to lower the frequency by 5-10 kHz (kilo-cycles in those days). Any more solder that that amount seemed to kill off the blank. As I recall we got the solder idea from a Hints and Kinks article in QST or a republished H&K booklet.

Anybody out there know what the community now calls these measures?
cps, kmc, mickey-mikes.

I'll post the answer in a day or two.

Regards, Dave

David Engle, KE6ZE - engle@wdl1.wdl.fac.com - 408/473-4419 @ Ford Aerospace
Facts, what facts. I don't got to show you no stinking facts. These are
opinions expressed here. "Any clod can have the facts, its an art to have
an opinion" Herb Caen, SF Chronicle.

From -8161402376375291912
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8de4aaa1e26ce9d7
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-05-09 14:50:21 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!wrgate!copper!michaelk
From: michaelk@copper.WR.TEK.COM (Michael D. Kersenbrock)
Newsgroups: rec.ham-radio
Subject: Re: Cat's Whiskers
Keywords: In article <19900508170731.3.ED@PEREGRINE.SCRC.Symbolics.COM> Ed@ALDERAAN.SCRC.SYMBOLICS.COM (Ed Schwalenberg) writes:
Message-ID: <2477@wrgate.WR.TEK.COM>
Date: 9 May 90 17:44:48 GMT
References: <2465@wrgate.WR.TEK.COM> <19900508170731.3.ED@PEREGRINE.SCRC.Symbolics.COM>
Sender: news@wrgate.WR.TEK.COM
Reply-To: michaelk@copper.WR.TEK.COM.UUCP (Michael D. Kersenbrock
Lines: 26
Posted: Wed May 9 18:44:48 1990

1 Date: 8 May 90 00:22:56 GMT
2 From: zephyr.ens.tek.com!wrgate!copper!michaelk@uunet.uu.net (Michael D. Kersenbrock)
3
4 I plan to build a crystal radio, using state-of-the-art IC's for the
5 *rest* of the unit.

x Well, gee, why not build a totally digital crystal set? For the detector,

Actually, I like this idea. Maybe a A/D and a DSP for processing.

You did miss my point that I still needed the cat's whisker and galena crystal (which I've already gotten). It's like a BBQ'd chicken: you can change the trimmings and still be a BBQ'd chicken, but you can't change the chicken. I can change the radio's trimmings and still be a crystal set, but I have to keep the galena crystal!

Thanks for your (unintentional) good idea. I'll probably do it.

--
Mike Kersenbrock
Tektronix Microprocessor Development Products
michaelk@copper.WR.TEK.COM
Aloha, Oregon

From -8466736309884110247
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93f9163823588166
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-09 14:52:04 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!sdd.hp.com!hplabs!hpcc01!col!kenw
From: kenw@col.hp.com (Ken Wyatt)

Newsgroups: rec.ham-radio
Subject: Re: ICOM R1 Rumors
Message-ID: <18230009@col.hp.com>
Date: 9 May 90 15:20:02 GMT
References: <9354@lindy.Stanford.EDU>
Organization: HP Colorado Springs Division
Lines: 4
Posted: Wed May 9 16:20:02 1990

There was an announcement from EEB in the Icom section of HamNet (Compuserve) that ICOM was recalling the R1, the R100, and the R72A wideband receivers from the US market. They (EEB) are recommending that their customers who have these radios on order cancel.

From 6161432640621714392
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6edc7cf42642f2f8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-09 15:33:18 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.UUCP (Constructive Frivolling)
Newsgroups: rec.ham-radio
Subject: crystal sets
Keywords: fun, but...
Message-ID: <29689@ut-emx.UUCP>
Date: 9 May 90 20:45:36 GMT
Organization: The University of Texas at Austin, Austin, Texas
Lines: 27
Posted: Wed May 9 21:45:36 1990

Trouble is, if you build a crystal set, what is there to listen to on it?   Just junk.

<Old Pharte Mode On>

Now, in my day, laddie, from G-land, you could hear the good old Beeb, as well as Radio Moscow. By suitable twiddling, you could also hear these guys chattering away to each other late at night - turned out to be "hams" or something. Nowadays the same old guys are chattering away, but it's all this modern SSB stuff that you can't understand on a crystal set, and the "AM" band is just junk. How's that going to turn anyone on to the joys of DXing and similar fine pastimes?   Grumble, grumble..

<Old Pharte Mode Off>

Anyone built the Radio Shack AM/ShortWave Radio (ages 2 and up)? I can hear 2, or at most 3, stations on mine, the selectivity is nil. I dunno, maybe it's all these modern transistor things etc - you never really know if they're working or not.   They don't light up or nuffink.

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
wills@utxvm (Bitnet)

From 8360137845515822228
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8de4aaa1e26ce9d7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-09 15:33:41 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: Re: Cat's Whiskers
Message-ID: <1250161@hpnmdla.HP.COM>
Date: 9 May 90 14:44:06 GMT
References: <44315@iuvax.cs.indiana.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 36
Posted: Wed May 9 15:44:06 1990

>
> > My old cub scout handbook said to use a safety pin and a piece of galena (lead crystal). You probe the galena until you find a spot that behaves like a diode...
>
> The crystal set that has been diagrammed in the Cub Scout handbook forever DOES NOT WORK because the sliding coil-tap makes shorted turns. Kits were even produced, and they didn't work either. I suspect the original author never tested it.
>
> It's about time they published something workable, using available parts. There have been lots of excellent but simple crystal-set articles in magazines like _Popular Electronics_ since the '60s. Does anybody out there have connections with the BSA publishing establishment?
>

I suspect they may be a lost cause... I remember the section in the radio/electronics merit badge manual about transistors in the early 1960s:

".... the transistor, made from small pieces of metal and a few thin wires, can amplify electrical signals more than a million times."

Now I bet the net didn't know that CK722s had that much Beta....

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From -5706507724154763434
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5bdcd8879fe3d57,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-09 16:08:49 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!rutgers!att!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: ATV frequencies of upcoming SAREX mission
Keywords: ATV Shuttle orbiter frequencies humungous yagi
Message-ID: <951@tsdiag.ccur.com>
Date: 9 May 90 23:08:49 GMT
Organization: CONCURRENT,ENG. SERVICES,OCEANPORT NJ
Lines: 10
Posted: Thu May 10 00:08:49 1990

Has anyone heard what frequencies will be used and what schedule will be followed for ATV during the upcoming SAREX mission? I assume (hope) it will be one of the 70cm ones, since that's where my DaveTV equipment listens. Thank you in advance,

```
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

From 8091747209460287776
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,be1115fef9ea4de3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105955,be1115fef9ea4de3,start
X-Google-Attributes: gid105955,public
X-Google-ArrivalTime: 1990-05-09 22:40:52 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!sunybcs!nsscb!nrg
From: nrg@nsscb.UUCP (G.Narotham Reddy)
Newsgroups: rec.ham-radio,att.ham-radio
Subject: Question on Sony-2010/Active Antena
Message-ID: <1575@nsscb.UUCP>
Date: 9 May 90 19:02:16 GMT
Organization: AT&T NSSC, S.Plainfield, NJ

Lines: 15
Xref: gmdzi rec.ham-radio:11362
Posted: Wed May 9 20:02:16 1990

I am using AC-1 active antena for my SONY-ICF 2010. Most of the time
I play around tuning to All India Radio stations. Ever since I installed
this active antena, the signal strength of AIR is touching the maximum
even in the afternoon. Here is the catch. I cut open the loop of the
AC-1 antena and connected it to a 60feet external antena(wire). Also
there is absolutely no distortion/static/overload. Also I could able
to tune to AIR home services.

Now, I would like to know whether by coupling AC-1 and the external antenna
blows out the front end of my SONY-2010 or any other side effects.

G.Narotham Reddy
--

From -3346699282870156635
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93f9163823588166
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-09 23:21:19 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: ICOM R1 Rumors
Message-ID: <30500524@ux1.cso.uiuc.edu>
Date: 9 May 90 19:06:00 GMT
References: <9354@lindy.Stanford.EDU>
Lines: 18
Nf-ID: #R:lindy.Stanford.EDU:9354:ux1.cso.uiuc.edu:30500524:000:766
Nf-From: ux1.cso.uiuc.edu!phil   May 9 14:06:00 1990
Posted: Wed May 9 20:06:00 1990

> >I hear that the ICOM IC-R1 did not show up at Dayton despite a
> >scheduled appearance. Any truth to this?
> >
> >Dave, N4DSZ dwsmith@uiuc.edu
>
> True. I don't think they had R100 or R72A either. An (American)
> Icom rep claimed "production delays" of 6 months to a year.

Meaning they sent it back to engineering to design out the patent
conflict. There is no such thing as a production delay of such a
long period in Japan. The Japanese definitely have their act
together on the production line floor, stocking parts, etc. The
guys who don't have it together at all are the American sales

people.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From -3633939790227645913
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d187e4e93ba828bd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-09 23:21:28 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: RE: 2 meter simple j-pole
Message-ID: <30500525@ux1.cso.uiuc.edu>
Date: 9 May 90 19:13:00 GMT
References: <1140030@hprnd.HP.COM>
Lines: 19
Nf-ID: #R:hprnd.HP.COM:1140030:ux1.cso.uiuc.edu:30500525:000:1018
Nf-From: ux1.cso.uiuc.edu!phil    May  9 14:13:00 1990
Posted: Wed May  9 20:13:00 1990
```

> From: billt@hprnd.HP.COM
>
> One of the problems in making twin lead J poles is that not all twin lead is
> the same. Low loss twin lead has a different velocity factor and hence the
> lengths are different. If possible check out the J pole on a network
> analyzer to find out what its resonant frequency and impedance is.

Gee, if we all had access to a network analyzer, life would sure be greatly improved. However, a network analyzer of the quality you would expect from companies like HP and Tektronix are overkill for most amateur needs. A "poor man's" network analyzer might be a nice project or junk product for someone to make. It could be based on a sweep oscillator and feed into a PC for memory zeroing. Complex response would not be needed for many things, either. The PC software could be customizable to do nifty stuff like a Smith chart.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From 838446784521544177
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d22681f4d8ca9f5b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-09 23:24:28 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!swrinde!zaphod.mps.ohio-
state.edu!sdd.hp.com!hplabs!hpfcso!jws
From: jws@hpfcso.HP.COM (John Schmidt)
Newsgroups: rec.ham-radio
```

Subject: Re: Looking for 2m HT purchase advice.
Message-ID: <7500020@hpfcso.HP.COM>
Date: 9 May 90 15:32:58 GMT
References: <10110001@hpislx.HP.COM>
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 19
Posted: Wed May 9 16:32:58 1990

Brian,

At least in northern Colorado, you will want an HT with PL (subaudible tone) generation capability, NOT "tone burst". Many European (and a very few U.S.) repeaters require a tone burst on the front of a transmission (often 1800 Hz) to open the repeater. In this area, repeaters which are not completely carrier-controlled require a subaudible tone which is continuous during the duration of the transmission from the HT. This is sometimes used to implement "private" repeaters, but is coming into wider use as a means to control interference problems (unfortunately).

BTW, in used HT's, I'd go for one of the ICOM-02AT's, or a 2AT with an add-on PL generator. For a new model, I'd probably consider the Icom 2GAT for 2m only, or one of the new dual-band HT's (220 and 440 are both becoming more active in this area).

73,

John Schmidt, NK0R

From -6366344719339226981
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4daf9921ade78729
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,4daf9921ade78729
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-05-10 00:12:39 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!usc!cs.utexas.edu!rutgers!att!cbnewsh!k4bnc
From: k4bnc@cbnewsh.att.com (john.a.siegel)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: PC-Pakratt patch
Summary: . Remove the batteries
Message-ID: <1990May9.235025.11271@cbnewsh.att.com>
Date: 9 May 90 23:50:25 GMT
References: <1990May4.203531.15322@swlabs.uucp> <29621@ut-emx.UUCP>
Followup-To: poster
Organization: AT&T Bell Laboratories
Lines: 28
Xref: gmdzi rec.ham-radio:11368 rec.ham-radio.packet:2225
Posted: Thu May 10 00:50:25 1990

In article <29621@ut-emx.UUCP>, frank@ut-emx.UUCP (Frank Abernathy) writes:

> > with Pakratt" and terminates.

```
> >
> > So it looks like the near term solution is to patch the timing loop to
> > eliminate the problem.  To save the time, has anyone on the net
> > hacked/patched PC-Pakratt to eliminate this problem?
> > --
> > Jack Bonn, KC1UH, <> Software Labs, Ltd, Box 451, Easton CT  06612
>
> I also had a problem as you described above.
>
> What I did to resolve it was to turn down the volume, disconnect the audio-in
> or set the DCD Threshold to a point where the CD light doesn't come on.
>
> Then reinitialize the I/O.
>
> Works every time for me. PK-232/MBX with PC-Pakratt.
>
> I suspect that having active data transitions while it's trying to initialize
> just blows their firmware's mind..
>
>
> hope this helps
> later
> frank
>
>
> --


From 6653637081686454801
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,de0866b35dff9f6f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-10 00:44:01 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!nosc!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley -- W B 6 W U I)
Newsgroups: rec.ham-radio
Subject: Re: Little ceramic things
Message-ID: <2603@crash.cts.com>
Date: 10 May 90 00:59:26 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 17
Posted: Thu May 10 01:59:26 1990

MROWEN@STLAWU.BITNET (Mike Owen W9IP) writes:
>Several weeks ago, a netmember asked about some 3/8" diam.
>ceramic cylinders, rounded at the end.  I just figured out
>what they are.  If the person would like to know what they
>are, contact me via BitNet at MROWEN @ STLAWU
>
>Mike Owen W9IP/2
```

Gosh, why not let the entire net know what these goodies are/were? It only seems fair after watching the traffic concerning them.

```
------------------------------------------------------------------------------
| Mike Shirley,  WB6WUI         INET: mikey@pnet01.cts.com                   |
| PO Box 460                    ARPA: crash!pnet01!mikey@nosc.mil            |
| Lakeside, CA  92040-0460      UUCP: {hplabs!hp-sdd nosc}!crash!pnet01!mikey |
------------------------------------------------------------------------------
```

From -8508642085963967559
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,900ef2da05985d47,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-10 02:54:57 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!agate!shelby!csli!kawai
From: kawai@csli.Stanford.EDU (goh kawai - n6uok)
Newsgroups: rec.ham-radio
Subject: shuttle amateur transmissions - info request
Message-ID: <13544@csli.Stanford.EDU>
Date: 10 May 90 00:37:02 GMT
Sender: kawai@csli.Stanford.EDU (goh kawai - n6uok)
Reply-To: kawai@csli.stanford.edu (goh kawai - n6uok)
Organization: dept of linguistics, stanford university
Lines: 10
Posted: Thu May 10 01:37:02 1990

Rumor has it that space shuttle astronauts will communicate directly with their counterparts onboard the Soviet MIR stations. Is this true? If so, what are the schedule times and frequencies? I would also appreciate times and frequencies for amateur traffic between the shuttle and earth.

All leads appreciated,

```
----------------- stanford university + sri international
--- Goh Kawai --- arpanet/junet:  kawai@csli.stanford.edu
----------------- compuserve: 76056,1726     radio: n6uok
```

From 1437442396670192184
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93f9163823588166
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-10 03:20:06 PST
Path: gmdzi!unido!mcsun!uunet!wshb!mikebat!michaelb
From: michaelb@mikebat.UUCP (Michael R. Batchelor)
Newsgroups: rec.ham-radio
Subject: Re: ICOM R1 Rumors
Summary: Patent law in Japan
Message-ID: <324@mikebat.UUCP>
Date: 9 May 90 23:21:21 GMT
References: <9354@lindy.Stanford.EDU>

Organization: M. Batchelor's PC7300, Beaufort, SC
Lines: 20
Posted: Thu May 10 00:21:21 1990

In article <9354@lindy.Stanford.EDU>, paulf@jessica.Stanford.EDU (Paul Flaherty) writes:

> She discounted the rumor
> about the patent lawsuit, and also told me that the R1 is currently selling
> in Japan.

Considering the Japanese Patent Office finally granted Texas Instruments a basic technology patent for inventing the integrated circut sometime in the summer of _1989_ it isn't all that surprising that the rig could still be selling in Japan.

(They also made the effective date sometime in the 60's so TI gets to collect royalties for about four or five more years. I think the Japanese courts awarded TI several tens of millions of dollars back royalties.)

Michael
--
Michael Batchelor / \113\101\067\132\116\132   uunet!wshb!mikebat!michaelb

I'd gladly trade 10 years off the whole population's life
expectancy to give us an even shot at dominating the galaxy.

From 656048526831735327
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93f9163823588166
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-10 08:01:55 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!att!cbnewsh!wa2sff
From: wa2sff@cbnewsh.att.com (joseph.e.wilkes)
Newsgroups: rec.ham-radio
Subject: Re: ICOM R1 Rumors
Message-ID: <1990May10.120940.22342@cbnewsh.att.com>
Date: 10 May 90 12:09:40 GMT
References: <9354@lindy.Stanford.EDU> <30000024@uxh.cso.uiuc.edu>
Organization: AT&T Bell Laboratories
Lines: 12
Posted: Thu May 10 13:09:40 1990

In article <30000024@uxh.cso.uiuc.edu>, dwsmith@uxh.cso.uiuc.edu writes:

> I hear that the ICOM IC-R1 did not show up at Dayton despite a scheduled
> appearance. Any truth to this?

I asked for a data sheet for the R1 at the ICOM booth.
An ICOM rep stated that the R1 was in production delay
so there were no samples or data sheets.

I didn't ask him why.

Joe Wilkes
att!hound!wa2sff

From -1373512561732855407
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d22681f4d8ca9f5b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-10 14:09:30 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdc!jle
From: jle@hpfcdc.HP.COM (Jer Eberhard)
Newsgroups: rec.ham-radio
Subject: Re: Looking for 2m HT purchase advice.
Message-ID: <7880146@hpfcdc.HP.COM>
Date: 10 May 90 21:09:30 GMT
References: <10110001@hpislx.HP.COM>
Organization: HP Ft. Collins, Co.
Lines: 19
Posted: Thu May 10 22:09:30 1990

> / hpfcdc:rec.ham-radio / bfc@hpislx.HP.COM (Bryan Carpenter) / 10:42 am May 7, 1990 /

> What else should I look for? Could you suggest some models I should consider?
> When I head to my first swapfest, I want to know something about what I'm
> looking for. Thanks in advance!

> Bryan Carpenter

Brian,

Go and lookup John Coelho, N0LHW, at the Loveland HP plant. Telnet... 2955.
He has just done a lot of investigation and will probably pass it on!

(email didn't work, so I posted).

Jer/ Eberhard, (SLASH), HAM = N0FZD | Hewlett-Packard - MS99, 1UP10, 15' East
CAP SAR Pilot, COMM,INST,CFI-GLIDER | 3404 East Harmony Road (303) 229-2861
UUCP:hplabs!hpfcla!jle | Fort Collins, Colorado 80525-9599
ARPA:jle%hpfcla@hplabs.HP.COM

From -8435743440808534808
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1f91b164c15bee19,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-10 15:39:38 PST
Path: gmdzi!unido!mcsun!uunet!stretch.cs.mun.ca!leif!rockwood
From: rockwood@kean.ucs.mun.ca
Newsgroups: rec.ham-radio
Subject: Any Bay area Hamfests - June & July??
Message-ID: <86128@kean.ucs.mun.ca>

Date: 10 May 90 22:39:38 GMT
Organization: Memorial University. St.John's Nfld, Canada
Lines: 9
Posted: Thu May 10 23:39:38 1990

With a trip planned for the Sacramento, San Francisco area for the last week of June and the first two in July, does anyone know of any Hamfests underway in the area around those times? Specific dates aren't established, so I'm being somewhat vague. We're also planning a week in Los Angeles, but that is booked - start to finish.
Would appreciate info.
73
Art Rockwood VO1AX

From -1046321963556160354
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e42b34b463b97d12,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,e42b34b463b97d12,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-10 23:51:45 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Numbers Stations
Keywords: CIA
Message-ID: <3285@radio.oakhill.UUCP>
Date: 10 May 90 14:23:46 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 31
Xref: gmdzi rec.ham-radio:11374 rec.radio.shortwave:1198
Posted: Thu May 10 15:23:46 1990

I believe the numbers station is a great way to send messages to remote areas without fear of looking suspicious on the receiving end. Multiband radios are common drug store items and don't look like spy equipment. Who wants to have crypto spy equipment laying around your house if you are involved in covert activities??? Remember in many 3rd world countries a search warrant may be non-existent and the authorities bust down your door and ramsack your place. If all you have is a little radio you look a lot less suspicious.

As far as the code goes remember that a SUBSTITUTION CIPHER is virtually un-crackable if you don't have the key. Like the famous Beale Cipher the key can be a common document like the Declaration of Independence.   If the people sending these messages are smart they will use a changing key such as the first letter of each word of the front page article in the local daily newspaper.

I believe that the numbers system is fairly secure as long
as you don't have a clue as to what the substitution cipher
key is derived from.

Hence all of this simplicity is fairly secure and doesn't require
a lot of expensive (and vulnerable to capture) crypto equipment.

That's my theory....
How'd I do... CIA???

-C.T.

```
From -8627385273428593359
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,80739abad3d559e0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 01:20:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
ibma.nerc-wallingford.ac.UK!PJML
From: PJML@ibma.nerc-wallingford.ac.UK ("Pete Lucas, NCS-TLC, Swindon U.K.")
Newsgroups: rec.ham-radio
Subject: UHF TV band in Europe.
Message-ID: <11.May.90.09:27:00.BST.#3053@UK.AC.NWL.IA>
Date: 11 May 90 08:20:27 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Fri May 11 09:20:27 1990
```

UHF TV: well over this side of the Pond we have almost all our terrestrial
TV on UHF (Channels 21 through 68). Different countries use different
modulation methods and audio/video splits. We have PAL (most of Europe)
and SECAM (France) with 5.5, 6 or 6.6MHz audio/video splits.
Some also use inverse video modulation. Vive la Difference!
We *used* to have VHF TV (on 41 to 68MHz, 'Band 1' and 174 to 216MHz
'Band 3') 405 lines monochrome, but these stations are almost all gone now
(completely gone here in the UK some years ago).
The band 41-68MHz has over the last few years been reallocated to
land mobile (hams getting 50MHz) and likewise 174-216MHz has gone to a
trunked, digitally-controlled mobile service.
The band 66-88MHz was never used for TV in Europe (West europe has mobile radio
in there, some Eastern countries have FM broadcast radio in here too).
The European frequency allocations arent always understood by equipment makers;
for example the number of scanners imported with the 30-50MHz range enabled is
quite great - all you could hear until recently was TV video buzz! Should have
had 66-88MHz enabled for Europe, but seems 'nobody told the importers'! HI

Pete Lucas G6WBJ   PJML@UK.AC.NERC-WALLINGFORD.IBMA   0793-411613

From 2925540827864085143
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67a40c9b646df1a8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,67a40c9b646df1a8,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-05-11 02:57:27 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!texbell!texsun!newstop!sun!amdcad.amd.com!mozart.amd.com!positron!brian
From: brian@positron.amd.com (Brian McMinn)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Currents of Death -- technical review
Message-ID: <1990May10.154349.18641@mozart.amd.com>
Date: 10 May 90 15:43:49 GMT
Sender: brian@positron.AMD.COM (Brian McMinn)
Reply-To: brian@AMD.COM (Brian McMinn)
Followup-To: rec.ham-radio
Organization: Advanced Micro Devices, Inc., Austin, Texas
Lines: 10
Xref: gmdzi rec.ham-radio:11375 sci.electronics:6613
Posted: Thu May 10 16:43:49 1990

There is a technical review/editorial on Paul Brodeur's "Currents of Death" in the April 1990 IEEE Antennas & Propagation Magazine (Vol. 32, No. 2). The reviewer (J. Robert Ashley, Ph.D., IEEE Fellow) concludes that Brodeur's book is "so much scientific error and malice."

```
   Brian McMinn                 brian@amd.com
   Advanced Micro Devices       N5PSS
   Austin, Texas                1-(512)-462-5389
"You can't leap a chasm in two jumps."
```

From -4616848372677123058
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cb5065687e1f10c1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 03:26:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!helios.ee.lbl.gov!pasteur!zephyr.berkeley.edu!bilbo
From: bilbo@zephyr.berkeley.edu (Bill Baringer)
Newsgroups: rec.ham-radio
Subject: Phone patch to FT-23R ?
Message-ID: <24951@pasteur.Berkeley.EDU>
Date: 10 May 90 19:20:39 GMT
Sender: news@pasteur.Berkeley.EDU
Reply-To: bilbo@zion.berkeley.edu.UUCP (Bill Baringer)
Organization: U.C. Berkeley -- ERL
Lines: 10
Posted: Thu May 10 20:20:39 1990
X-Local-Date: 10 May 90 12:20:39 PDT

Is it possible / feasible to use a Yaesu FT-23R as the base station for a CSI phone patch? A friend is trying to do just that, and was told he needs to connect to the 23R "before" the de-emphasis network, but even with the schematics he doesn't know where that is. Anyone with experience in this area? Adivce would be greatly appreciated. (He doesn't have b-board access.)

Thanks!

Bill

From 6764915993009362169
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d0a95cce29cfdb1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 03:41:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
snorkelwacker!apple!agate!shelby!csli!kawai
From: kawai@csli.Stanford.EDU (goh kawai - n6uok)
Newsgroups: rec.ham-radio
Subject: 500 most common words in English
Message-ID: <13554@csli.Stanford.EDU>
Date: 10 May 90 18:20:50 GMT
Sender: kawai@csli.Stanford.EDU (goh kawai - n6uok)
Reply-To: kawai@csli.stanford.edu (goh kawai - n6uok)
Organization: dept of linguistics, stanford university
Lines: 69
Posted: Thu May 10 19:20:50 1990

Dear all,

Being an aspiring linguist as well as an aspiring CW operator, I have come up with a list of words that occur frequently in English. The data comes from the so-called Brown Corpus. This is a large database of sentences from a wide variety of English text (with a notable bent towards journalism), and is considered to represent modern English prose fairly accurately. Appended below are the five hundred most common words. Since there isn't any amateur radio jargon in the list, the list is not so useful for practicing CW on software that will send you code from a text file. Does anybody have a list of Q-signals and common abbreviations? I can add them to the list, and make it more fun for CW random word practice. With, say, two hundred amateur radio words (including Q-signals and abbreviations), the list would grow to seven hundred words. If I could copy seven hundred words with the ease I copy "the", "fb", and "rst" (not to mention "CQ" and "73"), I would get much closer to ragchewing indeed. Any help and comments most welcome.

---------------- stanford university + sri international
--- Goh Kawai --- arpanet/junet: kawai@csli.stanford.edu
---------------- compuserve: 76056,1726   radio: n6uok

-----------------------------(begin list)-----------------------------

the of and to a in that is was he for it with as his on be at by i
this had not are but from or have an they which one you were her all
she there would their we him been has when who will more no if out so
said what up its about into than them can only other new some time
could these two may then do first any my now such like our over man me
even most made after also did many before must through back years
where much your way well down should because each just those people mr
how too little state good very make world still own see men work long
here get both between life being under never same day another know
while last might us great old year off come since go against came
right used take three states himself few house use during without
again place american around however home small found mrs thought went
say part once high general upon school every don't does got united
left number course war until always away something fact though water
less public put think almost hand enough far took head yet government
system set better told nothing night end why called eyes didn't find
look going asked later point knew next program city business give
group toward young days let room president side social several given
present order national rather possible second face per among form
important often things looked early white case john large become need
big four within felt along children saw best church ever least power
development thing light seemed family interest want mind members
country others area done turned although open god service certain kind
problem different began thus door help sense means whole matter
perhaps itself it's york times human law line above name example
action company hands local show whether five history gave either today
feet act across taken past quite anything having seen death body
experience really half week words word field car already themselves
information tell i'm together shall college period money sure held
keep probably real free seems behind cannot miss political question
air making office brought whose special heard major problems ago
became moment study federal known available street result economic boy
reason position change south board individual job society areas west
close turn love true community full force court seem cost am wife
future age voice wanted department center woman common control
necessary policy following sometimes front six girl clear further land
able feel party music provide mother university education effect level
child students short run stood town military morning total outside
figure rate art century class usually north washington leave therefore
plan top sound evidence million black hard strong various believe play
says type surface value soon mean near modern lines table peace red
road tax situation personal minutes process alone gone nor idea women
english schools increase living started america longer book cut dr
finally nature

```
From -7476684908871184905
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d22681f4d8ca9f5b
X-Google-Attributes: gid10c9e3,public
```

```
X-Google-ArrivalTime: 1990-05-11 03:52:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
elroy.jpl.nasa.gov!turnkey!orchard.la.locus.com!prodnet.la.locus.com!
lando.la.locus.com!dana
From: dana@lando.la.locus.com (Dana H. Myers)
Newsgroups: rec.ham-radio
Subject: Re: Looking for 2m HT purchase advice.
Message-ID: <8816@oolong.la.locus.com>
Date: 10 May 90 17:07:56 GMT
References: <10110001@hpislx.HP.COM>
Sender: news@locus.com
Reply-To: dana@lando.UUCP (Dana H. Myers)
Organization: Locus Computing Corporation, Inglewood, CA
Lines: 21
Posted: Thu May 10 18:07:56 1990

In article <10110001@hpislx.HP.COM> bfc@hpislx.HP.COM (Bryan Carpenter) writes:
>As a newcomer to ham radio, I am looking for some advice on purchasing
>my first rig, a 2m HT.  I want to start with a couple-year-old used one
>so I can start operating without shelling out the bucks for the
>latest-and-greatest.
>
>Features I know I want:
> ........ [ various common features deleted ].....

>- Power output on the high side of allowable range
>- Rechargeable batteries with decent capacity and good replacement availability

  On the high side of allowable range? Like more than 500W? Hmmmm.......
You may discover that the batteries for such a monster don't meet criterion :-)


*****************************************************************
* Dana H. Myers KK6JQ       | Views expressed here are  *
* (213) 337-5136 (ex WA6ZGB)     | mine and do not necessarily
     *
* dana@locus.com       | reflect those of my employer   *
*****************************************************************


From 4640255373214060437
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93f9163823588166
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 04:03:47 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpcc01!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: ICOM R1 Rumors
Message-ID: <18230010@col.hp.com>
Date: 10 May 90 15:56:37 GMT
References: <9354@lindy.Stanford.EDU>
```

Organization: HP Colorado Springs Division
Lines: 2
Posted: Thu May 10 16:56:37 1990

Anyone know what the alleged patent problem pertains to on these rigs? Or is the whole problem just a cell-phone problem?

From 2845217581850154431
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d22681f4d8ca9f5b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 04:03:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: Looking for 2m HT purchase advice.
Message-ID: <18230011@col.hp.com>
Date: 10 May 90 16:21:12 GMT
References: <10110001@hpislx.HP.COM>
Organization: HP Colorado Springs Division
Lines: 35
Posted: Thu May 10 17:21:12 1990

I second John's opinions above. Particular brands to stay away from (in my opinion) are Yeasu (all of them) and probably some models of Kenwood. Also, the Icom IC-24AT might be one to avoid for a while until they start selling a better antenna (poor gain compared to other dual band flex types) and improving the display readability. Yeasu radios typically have poorly designed receivers and are subject to intermod and spurious reception.

I have purchased many Icom models and one Kenwood. Although Icom seems a bit stodgy (conservative) regarding features, they seem to make a very high quality and reliable product. The one Kenwood I bought (TH-21) has had nothing but problems.

The IC-2AT was a good model, but has no memories (thumbwheel switches set a single freq at a time). The IC-02AT was a good general purpose radio with all the features you are desiring. The IC-2GAT is also good if you want to run up to 7 watts of power. However, there is a tradeoff between power and battery life. I feel that 2-4 watts is a good range to stick with as you will still have adequate operating life, plus most repeaters will work fine with those power levels; especially in Colorado where most repeaters are 3 to 5 thousand feet above you! Icom also has very good service support. They have provided me with small parts for free and are always very helpful. Kenwood also seems to have good service support, but I recently had to order an electret microphone element for my TH-21. The mic element was about the size of an aspirin tablet and weighed maybe all of 1/100th of an ounce, but they insisted on charging $4.00 for "shipping and handling"! The part itself wasn't so bad (about 5.50).

As an aside, when I owned the IC-2AT, I was riding my motorcycle/sidecar rig down the highway at about 45 mph. It came unclipped from my belt, fell to the pavement, bounced up and hit the bottom of the sidecar, and again hit the pavement, then slid along the ground for a while. After all that, it still worked ok! Nice rig. I now have a IC-32AT and have come to really love it. At $550, it is not the cheapest radio, but it covers both 2m and 440MHz, has 20 memories, and can receive public service on VHF-Highband and UHF (with some simple mods).

From 3126835987765042309
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,81d175278c4a54bd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 04:14:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!ibma.nerc-wallingford.ac.UK!PJML
From: PJML@ibma.nerc-wallingford.ac.UK ("Pete Lucas, NCS-TLC, Swindon U.K.")
Newsgroups: rec.ham-radio
Subject: Loop antennas - a UK Perspective.
Message-ID: <11.May.90.12:23:27.BST.#3184@UK.AC.NWL.IA>
Date: 11 May 90 11:14:09 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19
Posted: Fri May 11 12:14:09 1990

Someone was asking about loop antennas (relating to new AEA product). Well i thought i would draw your attention to a British series of products; made by a company called CAP*CO. There are several versions on the theme; all are loops with tuning capacitors (loop mounted so its diameter is in the vertical plane). They do remote-tune versions so you can stick the beastie up a tower. Theres also receive-only versions. The transmit versions use thick tube (about 1.5 to 2 inch diameter), to keep losses down. I have had no personal experience of these loops, if anyone is interested I will post details and address (when i can find them). CAP*CO also do nice antenna tuners (lovely big silverplated roller-coaster coils and *W*I*D*E* spaced tuning capacitors; real beefy jobs). Price (and weight!) is as would be expected for such a style of manufacture (we are talking quite a few hundred pounds sterling) but having seen inside one, nothing short of hitting with a sledgehammer would damage it. If it was not for the TVI problems, i guess they could make a transparent-cased version and sell the thing as art. It really is beautifully engineered and constructed!

Pete Lucas G6WBJ PJML@UK.AC.NERC-WALLINGFORD.IBMA 0793-411613

From -2252042684292313387
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d88570b470783c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,4d88570b470783c,start
X-Google-Attributes: gid114aac,public

```
X-Google-Thread: 105d97,4d88570b470783c,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-05-11 04:27:16 PST
Path: gmdzi!unido!mcsun!uunet!munnari.oz.au!uhccux!ames!pacbell!att!cbnewse!
parnass
From: parnass@cbnewse.att.com (Bob Parnass, AJ9S)
Newsgroups: rec.radio.shortwave,rec.ham-radio,sci.electronics
Subject: Source for scanner parts and repair
Keywords: scanner radio, electronic parts, equipment repair
Message-ID: <1990May10.134647.4406@cbnewse.att.com>
Date: 10 May 90 13:46:47 GMT
Followup-To: rec.radio.shortwave
Organization: AT&T Bell Laboratories, Naperville, IL
Lines: 28
Xref: gmdzi rec.radio.shortwave:1202 rec.ham-radio:11382 sci.electronics:6628
Posted: Thu May 10 14:46:47 1990


I just received a Spring 1990 flyer from G & G Communications
that may interest scanner hobbyists.

The flyer lists hundreds of used scanner "carcasses" and
parts for sale, as well as pagers, ICs, and crystals.
It states:


   "...Our specialty is scanner repair.
  We will attempt to fix most any scanner with few exceptions.
  The Bearcat 250s, 300s, and 210s that most shops
  are unable to repair, we fix daily..."

You can get a flyer by contacting:


     G & G Communications
     9247 Glenwood Drive
     Le Roy, NY 14482
     USA
     tel. 1(716)768-8151


Disclaimer: I have had no experience with G & G.   Call them, not me.
--
============================================================================
Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihuxz!parnass (708)979-5414


From -5450912991879506044
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8de4aaa1e26ce9d7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 04:39:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
```

hplabs!hpl-opus!hpnmdla!dougb
From: dougb@hpnmdla.HP.COM (Doug Bender)
Newsgroups: rec.ham-radio
Subject: Re: Re: Cat's Whiskers
Message-ID: <1250162@hpnmdla.HP.COM>
Date: 10 May 90 17:52:44 GMT
References: <44315@iuvax.cs.indiana.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 11
Posted: Thu May 10 18:52:44 1990

I remember those days -- I did get the kit, and got it to work
with the help of a neighbor TV repairman. The way I believe we got it going
was to *NOT* sand the turns on the coil, and substitute an air variable
capacitor for tuning. We spent about a half hour trying to get the galena
chunk to rectify, and after much frustration, finally tuned in a station but
with mediocre results. My mentor then left, but shortly returned with a
germanium diode! What a radio! :-)

73,   "I saw it all on my radio..." -- Lionel Cartwright
Doug WW6D
dougb@hpnmd.hp.com

From 1374796632154788988
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2920c74b8f732564,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 04:41:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!
STLAWU.BITNET!MROWEN
From: MROWEN@STLAWU.BITNET (Mike Owen W9IP)
Newsgroups: rec.ham-radio
Subject: Ceramic things
Message-ID: <9005121026.AA28511@ucbvax.Berkeley.EDU>
Date: 11 May 90 11:41:01 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Fri May 11 12:41:01 1990

Ok, guys -

I wasn't deliberately trying to be elusive. Those 3/8"
ceramic do-dads are from a ball mill. Several of them are
placed in a steel cylinder and rolled/tumbled for a few hours
to pulverize rocks or other brittle material. The dust
that is left is used for X-ray analysis. I have no idea
who the original poster was, or why he wanted the information.
He said somthing about a crime, so perhaps some of these things
were used as slingshot ammo - I dunno.

From -6380741688949545378
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85dd56ce018aa4b4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 05:15:40 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!tut.cis.ohio-state.edu!uc!nachos.SSESCO.com!elmquist
From: elmquist@nachos.SSESCO.com (Chris Elmquist)
Newsgroups: rec.ham-radio
Subject: AMSAT bulletins via FTP?
Message-ID: <191@nachos.SSESCO.com>
Date: 10 May 90 23:42:43 GMT
Sender: elmquist@nachos.SSESCO.com
Organization: none
Lines: 17
Posted: Fri May 11 00:42:43 1990

I posted this awhile ago and got no response....perhaps it didn't go out.

Does anyone keep the latest AMSAT bulletins on-line anywhere for anonymous FTP?

Someone was posting them to this newsgroup for awhile (KA9Q ??) but that action seems to have stopped.

The AMSAT BBS is nice...but continuously busy. I can perhaps offer to be the FTP site if someone will e-mail me current bulletins (including the AO-13 mode schedule please...)

Thanks. 73, N0JCF

(and Pat Barkey @ indiana.edu... I'll be e-mailing you shortly.
Our packet connection is gone again...)

From 3151828978064716561
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d22681f4d8ca9f5b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 05:16:45 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Looking for 2m HT purchase advice.
Message-ID: <30500527@ux1.cso.uiuc.edu>
Date: 10 May 90 21:18:00 GMT
References: <10110001@hpislx.HP.COM>
Lines: 10
Nf-ID: #R:hpislx.HP.COM:10110001:ux1.cso.uiuc.edu:30500527:000:532
Nf-From: ux1.cso.uiuc.edu!phil   May 10 16:18:00 1990
Posted: Thu May 10 22:18:00 1990

> Also, the Icom IC-24AT might be one to avoid for a while until they start
> selling a better antenna (poor gain compared to other dual band flex types)
> and improving the display readability. Yeasu radios typically have poorly
> designed receivers and are subject to intermod and spurious reception.

You could use the antenna from the IC-32AT (FA-1443 or some such model).

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 4674599950326092832
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e1de1bff49bb8577,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 05:16:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: 2m remote opperation
Message-ID: <30500526@ux1.cso.uiuc.edu>
Date: 10 May 90 19:25:00 GMT
References: <93402@tiger.oxy.edu>
Lines: 10
Nf-ID: #R:tiger.oxy.edu:93402:ux1.cso.uiuc.edu:30500526:000:482
Nf-From: ux1.cso.uiuc.edu!phil   May 10 14:25:00 1990
Posted: Thu May 10 20:25:00 1990

> Heard from a friend that there had been a ruling by the FCC allowing
> remote opperation on 2m recentally. Is this true?? Are 2m simplex
> autopatches finally legal?? Enquiring minds what to know.....

I have seen no such ruling, nor even the NPRM that must preceed it.
If it does come up, I will be commenting against it.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 2241101346606726859
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f339b67ca6a94d5d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,f339b67ca6a94d5d,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 104c07,f339b67ca6a94d5d,start
X-Google-Attributes: gid104c07,public
X-Google-ArrivalTime: 1990-05-11 05:32:56 PST
Path: gmdzi!unido!mcsun!uunet!voa3!eab

From: eab@voa3.UUCP (Al Brown)
Newsgroups: rec.ham-radio,rec.radio.shortwave,misc.test
Subject: Feeler - VOA Broadcast Schedule
Message-ID: <27@voa3.UUCP>
Date: 10 May 90 18:13:13 GMT
Followup-To: poster
Organization: Voice of America, Washington, D.C.
Lines: 12
Xref: gmdzi rec.ham-radio:11387 rec.radio.shortwave:1204 misc.test:518
Posted: Thu May 10 19:13:13 1990

I am putting out this feeler to see if anyone is interested in a posting of Voice of America broadcast times and frequencies and how often it should be reposted. Be advised, this schedule is 500-600 lines long.

Thanks.

```
--
E. Allen (Al) Brown  VOA/BBC (Bureau of Broadcasting)  Voice of America
...uunet!voa3!eab  WA3FYZ/ZF2LY             Cohen Building, Room G-748
Chief, Operations Branch                          Washington, DC 20547
Computer Services Division                             +1 202 485 7021
```

From 1933373993985271305
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e42b34b463b97d12
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,e42b34b463b97d12
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-11 05:58:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!oakhill!val!ben
From: ben@val.com (Ben Thornton)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Numbers Stations
Keywords: CIA
Message-ID: <1990May11.003927.21037@val.com>
Date: 11 May 90 00:39:27 GMT
References: <3285@radio.oakhill.UUCP>
Organization: Video Associates Labs, Inc.
Lines: 23
Xref: gmdzi rec.ham-radio:11388 rec.radio.shortwave:1206
Posted: Fri May 11 01:39:27 1990

charlie@oakhill.UUCP (Charlie Thompson) writes:

>I believe that the numbers system is fairly secure as long
>as you don't have a clue as to what the substitution cipher
>key is derived from.

>Hence all of this simplicity is fairly secure and doesn't require

>a lot of expensive (and vulnerable to capture) crypto equipment.

This is true so long as the receiving party doesn't need the information within a week of receipt :-). This mode doesn't break any speed records.

My theory is that the numbers stations ARE in fact the key to some cipher that is transmitted via a different medium...

Ben

--

```
Ben Thornton              packet:  WD5HLS @ KB5PM   Internet:  ben@val.com
Video Associates Labs       uucp:  ...!cs.utexas.edu!val!ben
Austin, TX               fidonet:  1:382/40 - The Antenna Farm BBS
```

From 1328229173972615232
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,886296a5084ed849,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 06:13:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!mailrus!iuvax!rutgers!mcnc!rti!dg-rtp!aquila!harrism
From: harrism@aquila.rtp.dg.com (Mike Harris)
Newsgroups: rec.ham-radio
Subject: Summary of NEC type products. (LONG)
Message-ID: <1990May10.213924.23707@dg-rtp.dg.com>
Date: 10 May 90 21:39:24 GMT
Sender: usenet@dg-rtp.dg.com (Usenet Administration)
Reply-To: harrism@dg-rtp.dg.com
Organization: Data General Corp., Research Triangle Park, NC
Lines: 197
Posted: Thu May 10 22:39:24 1990

For those not familiar with NEC, it is a numerical code developed primarily for the analysis of antennas. I've been searching for it, but it doesn't seem to be available unless you need it, and then you have to prove it, and then you have to pay. It, of course, was developed and is distributed by our government. We certainly wouldn't want foreign nationals developing nuclear wire antennas!

Next - thanks to all those that responded to my request for information. I appreciate your efforts and hope this serves everyone well.

Anyway, there are products that are available both free and commercially that can fill the gaps. Here is what I know:

MININEC was develped in 1982 by A Julian, J Logan, and J Rockway at the Naval Ocean Systems Center (NOSC). It is described in Technical Document 516. It is a single program written in BASIC and is intended to be run on a PC. It is a scaled down NEC, but it is very adequate for Ham type antenna design and analysis. For "grounds", you get no ground, or a perfect ground. You can do the standard pattern runs, determine impedence, etc. Input must be in meters (a pain). I don't know where it is available, but you'd want MININEC3 anyway - which is available.

MININEC3 is a successor to MININEC. It was developed in 1986 by J Logan, and J Rockway at the NOSC. It is described in TD 938. It consists of several programs: MNPRE - a pre processor for NEC input files, MININEC3 - the workhorse, and MNPOST - a post processor for munging the various data computed by MININEC3. Some of the new bennies include: 1) input of NEC files (instead of by hand each time) via MNPRE, 2) computation of both near fields, 3) field patterns in DB or V/M, 4) more flexibility in saving different data to different files, 5) Specification of specific ground wires if desired (or use perfect), 6) it computes the wire endpoint connections for you, and 7) and a host of plotting options (none graphical - just data selection). This is written in BASIC. The .ARC file includes both DOS compiled executables in addition to the sources. GWBASIC won't run the sources for some reason. Sizing can be a problem for a complex antenna (about 50 segments or so is the limit without rebuilding them). These crunch numbers, so the faster the CPU, the better. If you have a BASIC compiler and a math co-processor, you're really set. MININEC3 is available from the simtel server on the internet. It's in the PC ham radio subdirectories. Suck it down, un-arc it, and you're off. You can figure out most of it w/o the document. Input, again, is in meters

Just mail the following line to "listserv@vm.ecs.rpi.edu"

```
     /PDGET MAIL PD1:<MSDOS.HAMRADIO>MININEC3.ARC UUENCODE
```

There is a wealth of other neat stuff on simtel also - ham, pc, etc.

By the way, I tried to order the TD from NOSC. They told me that it wasn't available unless I was a Gov contractor and needed it. So, I went to the campus library and copied it. You'll need to go to the special government docuements librarian to find it. It isn't in the card catalogs.

NOSC
5285 Port Royal Rd.
Springfield, VA 22161
(703) 487-4650

MININEC3 is free and works well. You can complement it with some utilities that graph the patterns on you're screen. While it's fairly well written BASIC, it would be a chore to port to C (if somebody ports it, I want it)

YAGINEC. YAGINEC is under active development by Lew Gordon, K4VX. It was described in the March '89 QST under technical cooerespondence. I have version 7.01 and it is super. It contains several programs:

GAMMA - for gamma matching computations, TAPER - for composite tubing element length equivalents, HAIRPIN - for hairpin matches, and YN - the Yagi optomizer program.
YAGINEC is written in QuickBasic and is shipped w/o sources. He does give some sample antenna input files. Some of the features are 1) non metric dimensions, 2) very slick data and menu input, 3) file input, 4) very slick and feature full plotting options (to screen or printer), 5) automatic frequency sweeps, and, 6) an optomizer - you can have it optomize a given design to your constraints (gain, f/b, etc). It is a very nice package. It is available for the super bargain price of $5.00 directly from the author. You'll get your disk in 2 weeks or less. My only beef with this program is that the YN program itself only works on YAGI antennas. (I play around alot with other antenna configurations.) Hopefully he'll add an arbitrary input menu to it. It is based upon MININEC1.

NOTE: I have a fortran version of MININEC which I'll describe later. Briefly, while fortnec (MININEC) and MININEC3 give me different answers for the same configurations, they're both close, and they both converge to the same numbers. Just slightly different algorithms. (MININEC3 does seem to converge faster, however). Note that you should read the documents to learn about the "problem" areas - such as needing more segments for anti-resonance situations, etc. This will help you get convergence faster and get more accurate answers if you don't bother with the convergence tests.

FORTNEC. FORTNEC was reviewd in the Feb 1990 issue of RF Design magazine. It is basically a fortran version of MININEC1. Good news for us workstation folk! The article was by Alan Carr. It has minor input and output format changes, but is basically MININEC1. You get both compiled fortran (for a PC), and the fortran sources. It was a minimal porting effort to port it to my DG AVIION workstation.
I use this extensively as it runs on my workstation which 1) is a fast risc machine, and 2) has native fp support. A five minute run on a 10 MHZ '286 takes about 30 seconds on my workstation. As the interface is primitive (for PC stuff), I've written a bunch of pre and post filters to support it. (Kind of like that Star Trek probe "Voyager" that comes back as "Veger") Anyway, it is available for $9.00 from RF Design Magazine. Order "Disk RFD-0290: February 1990" from:

RF Design Software Service
P.O. Box 3702
Littleton, Colorado,
80161-3702

MN3.0 This is the Brian Bezzley, K6STI, software. It was reviewed in several recent issues of Ham Radio Magazine. It is, of course feature laden with free form input, frequency sweeps, lots of pulses, speed optomizations, automatically finds the take off angles, computes the max gain, f/b radio, patterns, swr, etc....(I'm reading this from his Ad in the May 1990 Ham Radio issue on page 74).
It got a good review. My biggest beef is that it costs $110. A MNjr

costs $55 (don't know content). I haven't been able to get my hands on a copy locally to play with it. Also, 1) I'm cheap, 2) and it won't run on my workstation anyway (yea-yea - get a PC; I know....)

YO3.0 is a similar product also by Brian. Lots of nifty features for basic design and optomizations. Stuff for stacking, speed improvements, etc. It includes support for designing gamma, T, hairpin, and beta matches, taper computations, frequency scaling, and others. (again, I'm reading the ad) It also was reviewed in a recent HR issue (they were in subsequent issues). He wants $130 for this puppy, and, of course, to bait you, has a Jr version for $65.

The reviews for MN3.0 and YO3.0 were good, but they are pricey - esp for us hamfest hounds. Seems like Brian and Lew are duking it out for price/performance features on YO3.0 vs YAGINEC.

Brian Beezley, K6STI
507-1/2 Taylor,
Vista, CA 92084

ELNEC. ELNEC is a product from Row Lewallen, W7EL. It is based upon MININEC. I havent seen a review of this, nor have I tried it. I'm reading this from the same issue of HR (May 1990) on page 78. It, like MN3.0, has automatic pulse placement (VERY NICE), and has builtin plotting, printing, etc. He touts "true current sources". Offhand, it appears to be MININEC with auto source placement, current sources, and some plotting features. It is available for $49.00.

Row Lewallen, W7EL
P.O. Box 6658
Beaverton, OR 97007

So! That is what I've learned from my research.

If you'd just like to tinker, I'd chose (not in order)

1) MININEC3. Flexible, and free

2) FORTNEC. Not quite as good, $9.00 and the sources sources are probably usable on a non pc workstation. You'd drop $9.00 on a 'coupla beers after work.

3) YAGINEC. Wonderful if you're into Yagi beams. great if you just want the harpin and other utilities. $5.00 You'd drop $5.00 during lunch.

If you're into heavy modeling, I'd chose (not in order)

1) FORTNEC (just because you might have a mainframe or a risc workstation lying around - *speed*) $9.00

2) MN3.0 and YO3.0 These seem to be very fully featured
and very nice. You pay for it also. $110 and $130.
You'd drop that on a Bencher paddle.....

3) YAGINEC It doesn't seem to have *quite* the features
of YO, but is sure looks close. $5.00 (Rumour has it
that Lew designed the "elephant gun" (10 element 10M beam
- 45 foot mast) with it.

In addition, most of the magazines bookstores sell MICROSMITH (sp?)
which has graphical and computer solution of smith chart type
problems. $49 (I think). I haven't looked at this yet.

These opinions are my own, and I hope I haven't miss represented
any products. Let me hear from you - with reviews of the ones I haven't
played with, or ,especially if you port MININEC3 to "C".

regards,
Mike Harris - KM4UL harrism@dg-rtp.dg.com
Data General Corporation {world}!mcnc!rti!dg-rtp!harrism
Research Triangle Park, NC

From -8821819525896005017
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bba345263c97a06,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 06:21:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
snorkelwacker!bloom-beacon!primerd!ENI!!SS
From: SS@.Prime.COM
Newsgroups: rec.ham-radio
Subject: Need QSL route for JT1CS
Message-ID: <386400008@.Prime.COM>
Date: 11 May 90 13:21:00 GMT
Lines: 13
Nf-ID: #N::386400008:000:470
Nf-From: .Prime.COM!SS May 11 13:21:00 1990
Posted: Fri May 11 14:21:00 1990

A friend of mine recently worked JT1CS in Mongolia and has been unable
to come up with a QSL route for him. If you know the route, please
email to me. Thanks!
- Scott KC1ST
=========
Scott Sminkey, TCP/IP Development
Prime Computer, Inc. ss@s47.prime.com
500 Old Conn Path 10-20 {sun,decvax}!cvbnet!s47.prime.com!ss
Framingham, MA 01701 (508) 879-2960 x4097
Disclaimer: If captured, my employer will disavow all knowledge of my opinions.

From -94215045490393871
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6edc7cf42642f2f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 06:38:21 PST
Path: gmdzi!unido!mcsun!uunet!apctrc!zslf0a
From: zslf0a@trc.amoco.com (Steven L. Farmer)
Newsgroups: rec.ham-radio
Subject: Re: crystal sets
Keywords: fun, but...
Message-ID: <1626@apctrc.UUCP>
Date: 10 May 90 13:47:51 GMT
References: <29689@ut-emx.UUCP>
Sender: news@apctrc.UUCP
Reply-To: zslf0a@gpss5.UUCP (Steven L. Farmer)
Organization: Amoco Production Company, Tulsa Research Center
Lines: 30
Posted: Thu May 10 14:47:51 1990

In article <29689@ut-emx.UUCP> oo7@ut-emx.UUCP (Constructive Frivolling) writes:
>
> Trouble is, if you build a crystal set, what is there to listen to
>on it? Just junk.
>
><Old Pharte Mode On>

True, alas. But back in olden times, I was first introduced to the magic of radio via a crystal set. I was in elementary school, an era marked by by Sputnik, the hula-hoop and a little gadget called a 'rocket radio'. This was a little crystal set shaped like a v2 rocket. It worked! Of course, I immediately tore mine apart to see what was inside. That this little collection of strange objects could actually make sounds was utterly facinating. I built dozens of different crystal sets of dubious technical merit. Most of them worked!

A few years later, my family moved to within five miles of KVOO radio - a 50Kw 'clear channel' am broadcast station with a phased array of 3 *HUGE* verticals. I could no longer get anything else, but reception of KVOO was fantanstic! A simple crystal detector could even drive a small speaker. In fact, just about anything metalic in the house was a potential receiver.

I learned the code while throwing my paper route. A friend and I would ride our bikes and whistle back and forth. When we went for our Novice tickets, the test was given by a Ham that lived within a mile of the KVOO towers. When he turned his garbage disposal on, you could plainly hear (very distorted) music coming from beneath the sink :-)

73's - Steve WA5RPF

```
From -7496634310707440562
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d22681f4d8ca9f5b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 06:48:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: Looking for 2m HT purchase advice.
Summary: No TH21 problems here
Message-ID: <40883@apple.Apple.COM>
Date: 11 May 90 06:25:37 GMT
References: <10110001@hpislx.HP.COM> <18230011@col.hp.com>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 21
Posted: Fri May 11 07:25:37 1990

In article <18230011@col.hp.com> kenw@col.hp.com (Ken Wyatt) writes:
>I have purchased many Icom models and one Kenwood.  Although Icom seems
>a bit stodgy (conservative) regarding features, they seem to make a very
>high quality and reliable product.  The one Kenwood I bought (TH-21) has
>had nothing but problems.

Ken--

What kind of problems have you had? I've had a TH21AT for 3-4 years,
and it's never hiccupped once. I've also had an ICOM 2AT for about 8
years and a Kenwood 7600 mobile rig for 10 years; both have been
very reliable.


Patty

--
*****************************************************************************
Patty Winter N6BIS                        INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                     UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************


From 7194424117240770198
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5bdcd8879fe3d57
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 06:52:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: ATV frequencies of upcoming SAREX mission
Summary: *Is* there ATV?
Keywords: ATV Shuttle orbiter frequencies humungous yagi
Message-ID: <40884@apple.Apple.COM>
Date: 11 May 90 06:30:03 GMT
```

References: <951@tsdiag.ccur.com>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 24
Posted: Fri May 11 07:30:03 1990

In article <951@tsdiag.ccur.com>davet@tsdiag.ccur.com(Dave Tiller N2KAU) writes:
>
>Has anyone heard what frequencies will be used and what schedule will
>be followed for ATV during the upcoming SAREX mission? I assume (hope)
>it will be one of the 70cm ones, since that's where my DaveTV equipment
>listens. Thank you in advance,

Is there any real evidence that there even will *be* any ATV (FS or SS)
on STS-35?

I know there was a mention of it in a NASA press release, but I haven't
seen any mention in the materials from the ARRL, and I trust them more
than I do NASA on this one.

Patty

--
```
*****************************************************************************
Patty Winter N6BIS                         INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                      UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From -7657064821270233818
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,152b4674114e95de,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 07:01:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!SC.INTEL.COM!RHAREL%FAB8
From: RHAREL%FAB8@SC.INTEL.COM (Intel-FAB8 7589)
Newsgroups: rec.ham-radio
Subject: Motorola HT Questions...
Message-ID: <9005110710.AA01720@ucbvax.Berkeley.EDU>
Date: 10 May 90 16:41:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 21
Posted: Thu May 10 17:41:00 1990

Hello out there in Net-Land...

I picked up a Motorola MX-330S while I was in Dayton last month.
It's a 48 channel PROM programmable 2.5 watt HT.
Does anyone know of a source that other than Motorola that is

willing to sell and program a PROM unit at a reasonable price ??
I beleive Motorola wants something like 150 dollars for their services !

My second question is...

Does anyone know of any MT-1000 on UHF that can be configured to go
from 430-480 Mhz or wider ??? Is the relatively narrow bandwidth a limitation
of the software used to program it or of the radio itself ??

Anyone who has a similar interest in Motorola equipment can get in touch with
me via E-Mail.

73's
de
4X1DA
Richard Harel

From 8517462715653276230
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7757db0a73f66f45,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-11 07:04:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!HICKAM-EMH.AF.MIL!1843eie
From: 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE")
Newsgroups: rec.ham-radio
Subject: WWV
Message-ID: <9005110728.AA02844@ucbvax.Berkeley.EDU>
Date: 11 May 90 07:28:51 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 37
Posted: Fri May 11 08:28:51 1990
X-Unparsable-Date: 9 May 90 08:13:00 GMT-10:00

INTEROFFICE MEMORANDUM

Date: 9-May-1990 08:11am HST
From: 1843EIG/EIE
1843EIE
Dept: 1843EIG/EIE
Tel No: 656-1158

TO: Remote Addressee (_INFO-HAMS@WSMR-SIMTEL20.ARMY.MIL)

Subject: WWV

>Where is WWV on HF? Do they give solar flux/sunspot numbers?
>Trying to work 10m without such information is turning out to be
>a pain. Please e-mail direct, if possible.

>Thanks,
>Doug
>
>--
>B. Douglas Reeves (N6XHW)   D. ReevesInternet, of course!)

This is *not* a personal flame against Doug, but rather our collective
education/examination process...

How in the h*ll could someone get a Tech/General ticket without learning this
most basic information about HF?

Consider that...those of you who think our tests are too difficult now...

Flame me all you want -- just throwing out some food for thought!

73,

Jeff   WD6CQV/KH6 AFA8JM (USAF MARS)

From -1977217621011166037
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d33404d49c0a005
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 12:59:00 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!ALDERAAN.SCRC.SYMBOLICS.COM!Ed
From: Ed@ALDERAAN.SCRC.SYMBOLICS.COM (Ed Schwalenberg)
Newsgroups: rec.ham-radio
Subject: What is a CB radio?
Message-ID: <19900504195937.1.ED@PEREGRINE.SCRC.Symbolics.COM>
Date: 4 May 90 19:59:00 GMT
References: <1990May4.043710.1130%aai@uunet.uu.net>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 26
Posted: Fri May 4 20:59:00 1990

> Date: 4 May 90 04:37:10 GMT
> From: aai!leo@uunet.uu.net
>
> Thanks to intense lobbying by the cellular phone industry, a law was passed
> making it illegal to sell equipment capable of receiving cell phone calls...

There is no such prohibition. If you think there is, provide a citation.

> The fact that the latter is
> in direct conflict with the Radio Act doesn't seem to bother the lawmakers.

The ECPA supersedes the Communications Act of 1934 (in the area under
discussion.) There is no conflict. Both are reasonable, Constitutional

statutes which attempt to balance the rights of users of the spectrum and the rights of random radio listeners. The fact that the random listeners were further restricted by the ECPA is a matter of public policy; if you don't like the policy you should change it by intense lobbying of your own.

> This subject has been discussed at great length in the moderated comp.dcom.telecom group. That's the best place to go for detailed, specific info on this topic.

If your information came from that group, you should go back to them and get more accurate information.

From 7656830241169648470
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,23ccd005d9c84fc7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 14:09:37 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!rice!uw-beaver!sumax!quick!amc-gw!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Hereditary Hams (was Re: 3-year-old learns Morse Code)
Message-ID: <681@ssc.UUCP>
Date: 4 May 90 07:50:20 GMT
References: <36037@genrad.UUCP>
Organization: SSC, Inc., Seattle, WA
Lines: 12
Posted: Fri May 4 08:50:20 1990

In article <36037@genrad.UUCP>, dls@genrad.com (Diana L. Syriac) writes:

> I've heard rumors that there is a 3-year-old that just took AND PASSED
> the 5 wpm Morse Code test in Oklahoma. ...
> The test was taken on a computer.....her father (also a ham :-) taught her
>
> Anyone have any first hand knowledge about this rumor? I'd be interested....
> Who said that "not everyone can learn Morse Code" .....:-)

The Question is: How many children, who's parents are NOT ham radio operators, are learning morse code?

markz@ssc.uucp

From -2636508977624827545
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,66f3e018e1bafff0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 14:12:07 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!bgsuvax!fyfe
From: fyfe@bgsuvax.UUCP (Bob Fyfe)
Newsgroups: rec.ham-radio

Subject: Re: Working Texas to NYC - what band?
Message-ID: <5793@bgsuvax.UUCP>
Date: 4 May 90 17:49:49 GMT
References: <9004271238.AA07424@cmr.ncsl.nist.gov>
Organization: Bowling Green State University B.G., Oh.
Lines: 20
Posted: Fri May 4 18:49:49 1990

From article <9004271238.AA07424@cmr.ncsl.nist.gov>, by rc@CMR.NCSL.NIST.GOV
(Robert Carpenter):
>
>
> In article <9004231749.AA00838@mbunix.mitre.org> ptb@MBUNIX.MITRE.ORG writes:
>>If you are in Texas and your girlfriend is in New York, it would have
>>to be an HF system of some kind (Distances are too long for VHF).

I'm from northern Ohio (by Toledo) which does not seem significantly different in lattitude from New York. I run a el-cheapo home-brew dipole on 10M and it seems that all I can hit is Texas (slightly exaggerated...). Bottom-line - 10M does work just fine for that distance. But other than that - don't ask me, I'm just a lowly tech :^).

```
--
***************************************************************************
* Bob Fyfe / EMT-A / Ham (KA8YWQ/KT) | INTERNET: fyfe@andy.bgsu.edu       *
* University Computer Services       | BITNET:   fyfe@bgsuopie            *
* Bowling Green State University (OH)| UUCP:     ...!osu-cis!bgsuvax!fyfe *
***************************************************************************
```

From -6390713588700984589
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7b6c05ee4fcd4624,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 15:39:40 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.UUCP (Constructive Frivolling)
Newsgroups: rec.ham-radio
Subject: 3-yr olds and CW
Keywords: of course
Message-ID: <29481@ut-emx.UUCP>
Date: 4 May 90 18:30:22 GMT
Organization: The University of Texas at Austin, Austin, Texas
Lines: 10
Posted: Fri May 4 19:30:22 1990

I don't doubt it at all. You only have to listen to some phone pile-ups on HF to be convinced that there are many hams who are about this age.

Derek Wills (AA5BT, G3NMX)

Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
wills@utxvm (Bitnet)

From 878101209255862336
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,63b5e5bf7dd60077,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 15:41:21 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!dptspd!lcz
From: lcz@dptspd.sat.datapoint.com (Lee Ziegenhals)
Newsgroups: rec.ham-radio
Subject: More info on callbook server
Message-ID: <473@dptspd.sat.datapoint.com>
Date: 4 May 90 20:33:49 GMT
Sender: lcz@dptspd.sat.datapoint.com
Organization: Datapoint Corporation, San Antonio, TX
Lines: 20
Posted: Fri May 4 21:33:49 1990

I forgot to mention some things about the callbook server available via email to callbook@sat.datapoint.com.

First, there is an additional command, "path", that may be included in your message to specify a return address. Normally this should not be required, but if your requests seem to go unanswered, you might try it. Either a domain specification or a bang-path is acceptable.

Examples:

```
        path bob@foo.com
        path uunet!foo!bob
```

Second, the database includes only FCC assigned (U.S.) callsigns, but it does NOT include club stations. Club station information does not appear to be available from the FCC in machine readable form.

I have updated the help file to include the above information.

73/Lee, N5LYT
lcz@sat.datapoint.com

From -5617245743885055943
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2731fbc7dcb37294
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 15:41:52 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!umich!samsung!zaphod.mps.ohio-state.edu!
sunybcs!uhura.cc.rochester.edu!rochester!rit!ultb!jla4983
From: jla4983@ultb.isc.rit.edu (J.L. Austin)
Newsgroups: rec.ham-radio

Subject: Re: WARC DANGEROUS RECORDINGS
Message-ID: <3048@ultb.isc.rit.edu>
Date: 4 May 90 17:08:30 GMT
References: <700@idacrd.UUCP> <30500520@ux1.cso.uiuc.edu>
Reply-To: jla4983@ultb.isc.rit.edu (J.L. Austin)
Organization: Information Systems and Computing @ RIT, Rochester, New York
Lines: 15
Posted: Fri May 4 18:08:30 1990

About the lack of spectrum space for the Land Modile service, it seems to me, that the UHF television channels are underutilized. In rochester we have channels 21 and 31, what is the rest of the space from ~500 -> ~800 MHz used for, if anything?

73,

Jim

```
-------------------------------------------------------
James Austin KA2RVO       |    Packet: KA2RVO @ WB2WXQ
                        |    ka2rvo.ampr: [44.69.0.2]
Rochester Inst. of Tech.  |    jla4983@ultb.isc.rit.edu
Rochester, New York       |    jla4983@ritvax.BITNET
```

From 6216147429970103261
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3375f016afd67023
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 17:09:08 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!tektronix!sequent!mntgfx!mbutts
From: mbutts@mentor.com (Mike Butts)
Newsgroups: rec.ham-radio
Subject: Re: Temp linking of repeaters via autopatches
Message-ID: <1990May4.173120.1129@mentor.com>
Date: 4 May 90 17:31:20 GMT
References: <2509@crash.cts.com>
Organization: engr
Lines: 28
Posted: Fri May 4 18:31:20 1990

From article <2509@crash.cts.com>, by mikey@pnet01.cts.com (Mike Shirley -- W B 6 W U I):

> I had a thought (watch out). Anyone interested in tying some repeaters
> together for a chat using autopatch to autopatch?
>
> I think it would be a kick to chew the fat coast to coast FM mobile. You
> know, reach out and touch (careful) someone. Interstate costs are quite
> inexpensive at 60% off prime on weekends. Say a Saturday afternoon or
> evening. Our 220 repeater club in Sandy Eggo would like to give it a try if
> there are any takers.

The folks on the Evergreen Intertie, which is a network of repeaters here in the Pacific NW, semi-regularly do this sort of thing on Tuesday evenings. A "local net control" station will autopatch into a distant repeater, where another station acts as net control in that area. I've said Hi into Atlanta and Ohio while mobiling home from work over that setup.

A related fun thing they do on the Intertie is tie in an HF big gun station for some real DXing. Last Christmas I used my 2 meter micro HT in a room in Timberline Lodge on Mt. Hood, Oregon, to exchange New Year greetings with hams in Beijing via the Intertie and a big HF station in Seattle.

This sort of thing is a very good idea.

--
Michael Butts, Research Engineer   KC7IT   503-626-1302(fax:1282)
Mentor Graphics Corporation, 8500 SW Creekside Place, Beaverton, Oregon   97005
!{ogicse,sequent,tessi,apollo}!mntgfx!mbutts   mbutts@pdx.MENTOR.COM
Any opinions are my own, and aren't necessarily shared by Mentor Graphics Corp.

From 1192493103590047921
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e25a4c2448447fb5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 17:09:51 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!tektronix!sequent!mntgfx!mbutts
From: mbutts@mentor.com (Mike Butts)
Newsgroups: rec.ham-radio
Subject: Re: Dayton-- Good Show!
Message-ID: <1990May4.174306.1197@mentor.com>
Date: 4 May 90 17:43:06 GMT
References: <701@idacrd.UUCP>
Organization: engr
Lines: 21
Posted: Fri May 4 18:43:06 1990

From article <701@idacrd.UUCP>, by mac@idacrd.UUCP (Robert McGwier):
> From article <3245@umbc3.UMBC.EDU>, by battle@umbc3.UMBC.EDU (Rick):
>>
>> The DSP stuff from PAC COM and AEA went over like a lead baloon
>> to the masses. No surprise there.
>>
>
> Does this mean you didn't like it or would you care to give us more details?
> I admit that I am not in an objective position but the level of excitement
> I saw was far from `went over like a lead balloon'.
>
> Bob

Jonathan Marks did his Radio Netherlands "Media Network" show from Dayton this week, and did a feature on DSP in radio, mentioning the new AEA product and some TAPR work said to be forthcoming, but without any details. Tell us more!!
--

Michael Butts, Research Engineer   KC7IT   503-626-1302(fax:1282)
Mentor Graphics Corporation, 8500 SW Creekside Place, Beaverton, Oregon   97005
!{ogicse,sequent,tessi,apollo}!mntgfx!mbutts   mbutts@pdx.MENTOR.COM
Any opinions are my own, and aren't necessarily shared by Mentor Graphics Corp.

From -8588707388559803970
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d33404d49c0a005
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 17:39:46 PST
Path: gmdzi!unido!mcsun!uunet!motcid!lyman
From: lyman@motcid.UUCP (Michael Lyman)
Newsgroups: rec.ham-radio
Subject: Re: What is a CB radio?
Message-ID: <2794@violet15.UUCP>
Date: 4 May 90 21:26:53 GMT
References: <90121.014009SPW103@psuvm.psu.edu> <5703@gollum.twg.com>
<11645@netcom.UUCP>
Organization: Motorola Inc., Cellular Infrastructure Div., Arlington Heights, IL
Lines: 36
Posted: Fri May 4 22:26:53 1990

mcmahan@netcom.UUCP (Dave Mc Mahan) writes:

>............... If you want to make it private, DONT'T do it on
>cellular.

> -dave

True! Very true, at least for now. Current domestic analog cellular communications use traditional FM transmission characteristics at least for the voice channels. The only thing that may provide a bit of a problem for eavesdroppers is that the in-progress call may migrate (hand-off) to another channel at any time so the listener will either need to hunt for the new channel or find another interesting conversation on another channel.

The beginning of the end of this is near however. The analog RF transmission will soon begin to be replaced by digital RF transmission where the base station equipement will transceive along with the mobile subscriber unit in a proprietary, digital format. It will still be possible to tune some scanner or piece of equipement to a busy channel but all that will be heard will be the bumble-bee buzz of the digital transactions. While I wouldnt say that it would be impossible to decode this, those thinking of it will be sumpremely challenged: One RF radio channel will have several digital voice channels multiplexed onto it and will be encoded using some pretty high-speed digital signal processors.

Like everything, this will take a little time but the scenarios like Dave described will soon disappear.

Mike
WA0ZVI

From -8961374453054883724
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8de4aaa1e26ce9d7
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,8de4aaa1e26ce9d7
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-05-04 19:00:41 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!blake!milton!whit
From: whit@milton.acs.washington.edu (John Whitmore)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Cat's Wiskers
Summary: If it's not commercially available, make your own.
Keywords: crystal radio; cat's wiskers
Message-ID: <3294@milton.acs.washington.edu>
Date: 4 May 90 22:57:34 GMT
References: <830@gazette.bcm.tmc.edu>
Reply-To: whit@milton.acs.washington.edu (John Whitmore)
Organization: University of Washington, Seattle
Lines: 24
Xref: gmdzi sci.electronics:6525 rec.ham-radio:11266
Posted: Fri May 4 23:57:34 1990

In article <830@gazette.bcm.tmc.edu> hshine@watson.bcm.tmc.edu (Harold David Shine) writes:
>
>In my early years I'd see neat crystal radios made with "Cat's Whiskers". These
>devices were sets of mounted crystals and a probe to find a good spot on the
>crystal for radio reception. I'd like to make one. Can anyone tell me where
>I can get a set?

The crystals in question were galena; find a rockhound or hobby shop and you should have no trouble locating some. A bottle cap and some solid solder, heated on a stove, will give you a bottom contact (just drop the galena in; it'll float).

An old fashioned safety pin makes a good probe.

Variations on galena are possible: almost anything chrome plated, or a steel razor blade (with the blueing etched off) works fairly well.
In fact, I once took a crystal earphone, held the barrel of the connector in my fingers and 'grounded' the tip to a variety of household metal surfaces. Most of them rectified somewhat.
An old variation on a cat's whisker was a "coherer"; this was a glass tube with metal chips. When the rectification failed, one simply shook the tube to change the chips' contact points.

```
I am known for my brilliance,               John Whitmore
 by those who do not know me well.


From 6415876643495059862
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,23ccd005d9c84fc7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 19:40:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Hereditary Hams (was Re: 3-year-old learns Morse Code)
Message-ID: <7880144@hpfcdc.HP.COM>
Date: 5 May 90 02:40:19 GMT
References: <36037@genrad.UUCP>
Organization: HP Ft. Collins, Co.
Lines: 18
Posted: Sat May  5 03:40:19 1990

>considering that it has been stated here by various VE's that using a
>typewriter to copy the code test isn't allowed cause the rules say by
>hand, I hardly expect they let anyone use a compputer.

The VEs here allow the use of typewriters.  In discussing it, they felt
that it was ok, but would probably test them by themselves, so others
wouldn't be annoyed by the noise.

>Add into that
>the illogical (for a child) layout of a QWERTY keyboard and this story
>really looses credibility.  I personally would need a lot more verified
>info before I believed it.

illogical ?  Kids are really good at figuring out rules systems.
Mapping morse onto QWERTY is just another conditioned response.  Maybe
I don't understand why a kid couldn't punch keys at 5 wpm.

Perry/KF0CA


From -7598693296435293120
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8de4aaa1e26ce9d7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 19:41:59 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Cat's Wiskers
Message-ID: <7880145@hpfcdc.HP.COM>
Date: 5 May 90 02:41:59 GMT
```

References: <830@gazette.bcm.tmc.edu>
Organization: HP Ft. Collins, Co.
Lines: 7
Posted: Sat May 5 03:41:59 1990

My old cub scout handbook said to use a safety pin and a piece of galena (lead crystal). You probe the galena until you find a spot that behaves like a diode.

I'd rather use a 1N34. :-)

Perry/KF0CA

From -3016205382337318199
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bbb51873764f8e7f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,bbb51873764f8e7f,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-05-04 19:48:10 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!rpi!crdgw1!ge-dab!tarpit!peora!tsdiag!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: * SpaceNews 07-May-90 *
Keywords: Amateur Satellite News
Message-ID: <285@ka2qhd.UUCP>
Date: 5 May 90 02:48:10 GMT
Organization: KA2QHD PBBS SYSTEM, OCEAN NJ
Lines: 117
Xref: gmdzi rec.ham-radio:11313 sci.space:12139
Posted: Sat May 5 03:48:10 1990

Bulletin ID: SPC0507

=========
SpaceNews
=========

MONDAY MAY 7, 1990

SpaceNews is published and distributed weekly around the world on USENET and Amateur Packet Radio. It is available for unlimited distribution.

* STS-31 NEWS *
===============
STS-31 POSTFLIGHT CREW PRESS CONFERENCE SET

The STS-31 astronaut crew will meet with news media at the Johnson Space Center on Wednesday, May 9, to discuss the recent mission to deploy the Hubble

Space Telescope. The event will begin at noon EDT and consist of a slide and video presentation by the astronauts, followed by media questions.

News media may participate in JSC building 2, room 135, or via two-way communications from NASA Headquarters, Washington, D.C., the Goddard Space Flight Center, Greenbelt, Md., the Kennedy Space Center, Fla., or the Marshall Space Flight Center, Huntsville, Ala.

Live NASA Select television coverage will be carried on Satcom F2R, transponder 13, 72 degrees west longitude, frequency 3960.0 MHz.

[From: Peter E. Yee @ NASA Ames Research Center, Moffett Field, CA.]

* STS-35 NEWS *

Launch of Columbia on the STS-35/Astro-1 mission remains targeted for May 16. The official launch date will be set at the Flight Readiness Review to be held May 7-8.

Astronaut and ham-radio operator Dr. Ron Parise (WA4SIR) will be carrying an Amateur Radio station with him on this mission and will contact other ham-radio operators on the earth below from the space shuttle.

* OSCAR-11 NEWS *

ASCII Single Event Upset (SEU) downloads have been suspended. OSCAR-11 is now transmitting Whole Orbit Data (WOD) and SEU data in a new "packetized" format. The general format is as follows:

```
S0 S1 ID T0 T1 T2 T3 T4 T5 F0 F1 D0 D1...D63 C0 C1

S0,S1  : SYNC MSB,LSB
ID     : Data Ident
T0..T5 : Timestamp
F0,F1  : Frame Counter MSB,LSB
D0..D63: 64 Data bytes
C0,C1  : Checksum MSB,LSB
```

Here is an On-Board Computer (OBC) status information bulletin received from OSCAR-11 on 05-May-90 at 01:47:17 UTC:

```
* UOSAT-2 OBC STATUS INFORMATION *

DIARY OPERATING SYSTEM V3.1 SMH MLJM MSH

 Today's date is 5 /5 /90  (Saturday)
 Time is 1 :47 :17 UTC
 Auto Mode is selected
 Spin Period is - 274
 Z Mag firings  = 0
 + SPIN firings = 3
 - SPIN firings = 1
 SEU count      = 6
 RAM WASH pointer at E20D
 WOD commenced 5 /5 /90 at 0 :0 :9
 with channels 10 ,11 ,19 ,29 ,
 Last cmnd was 109 to 0 , 0
 Attitude control initiated, mode 1
 Data collection in progress
 Digitalker active
```

* NEW PACKET PATHS *

SpaceNews has been sent out to: SPACE @ AMSAT for several weeks now, but judging from the mail I have received, I am returning to: SPACE @ ALLBBS. This change should clear up the distribution problems that have been occuring recently. Any comments on this change would be appreciated.

* FEEDBACK WELCOMED *

Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

UUCP   : ...uunet!masscomp!ocpt!tsdiag!ka2qhd!kd2bd
AX.25 : KD2BD @ NN2Z.NJ.USA.NA

MAIL   : John A. Magliacane
Department of Electronics Technology
Advanced Technology Center
Brookdale Community College
Newman Springs Road
Lincroft, New Jersey 07738
U.S.A.

<eof>

--
AMPR : KD2BD @ NN2Z (Neptune, NJ)
UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
"For every problem, there is one solution which is simple,
neat and wrong." -- H.L. Mencken

```
From 7991838374575911472
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d33404d49c0a005
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 19:58:12 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
```

From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: What is a CB radio?
Message-ID: <30500521@ux1.cso.uiuc.edu>
Date: 4 May 90 18:36:00 GMT
References: <12850@bambam.WELLESLEY.EDU>
Lines: 27
Nf-ID: #R:bambam.WELLESLEY.EDU:12850:ux1.cso.uiuc.edu:30500521:000:1476
Nf-From: ux1.cso.uiuc.edu!phil   May 4 13:36:00 1990
Posted: Fri May 4 19:36:00 1990

> Thanks to intense lobbying by the cellular phone industry, a law was passed making it illegal to sell equipment capable of receiving cell phone calls or to listen to such calls. The implication of the former is that scanners sold new have the cell frequencies blocked, usually by the installation of a diode which most people easily find out how to remove. The fact that the latter is in direct conflict with the Radio Act doesn't seem to bother the lawmakers. The end result is that it is both possible and illegal to listen to cell phone calls.

The ECPA prohibits reception and listening of cellular (and some other) type of communications. Scanners and receivers with the capability to receive the frequencies cellular is on are still done legally, and are even needed for some non-cellular applications (such as monitoring for harmonics of your 2 meter transmission in order to verify compliance with FCC rules on spectral purity, including the sixth harmonic which happens to be on the cellular base transmit band).

> This subject has been discussed at great length in the moderated comp.dcom.telecom group. That's the best place to go for detailed, specific info on this topic.

Has comp.dcom.telecom's moderator been filtering out the truth of this like most of the cellular salesmen do?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 6572212482038827545
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75b9b26b3abbae77
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 19:58:25 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TH-215A problem
Message-ID: <30500522@ux1.cso.uiuc.edu>
Date: 4 May 90 18:43:00 GMT
References: <130539@<1990May2>
Lines: 17

Nf-ID: #R:<1990May2:130539:ux1.cso.uiuc.edu:30500522:000:749
Nf-From: ux1.cso.uiuc.edu!phil   May 4 13:43:00 1990
Posted: Fri May 4 19:43:00 1990

After I got my Icom IC-2GAT I was having trouble getting the tone encoder (built-in) to work right. I was trying to HEAR the tone on my scanner, but could not.

A few weeks later I finally installed the UT-40 tone squelch option. It is a board that replaces the tone encoder board and performs both encode and decode functions. When I removed the tone encoder, I found a bent pin. It was the power supply pin and was bent all the way to the side and never made contact.

Once the UT-40 was in, I could hear 250.3 Hz through the scanner.

There are always these little manufacturing glitches.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 6172965869980166174
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d33404d49c0a005
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 19:59:29 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!apple!netcom!mcmahan
From: mcmahan@netcom.UUCP (Dave Mc Mahan)
Newsgroups: rec.ham-radio
Subject: Re: What is a CB radio?
Message-ID: <11677@netcom.UUCP>
Date: 5 May 90 00:32:01 GMT
References: <90121.014009SPW103@psuvm.psu.edu> <5703@gollum.twg.com>
<11645@netcom.UUCP> <2794@violet15.UUCP>
Organization: NetCom- The Bay Area's Public Access Unix System
Lines: 81
Posted: Sat May 5 01:32:01 1990

In article <2794@violet15.UUCP> lyman@motcid.UUCP (Michael Lyman) writes:
>mcmahan@netcom.UUCP (Dave Mc Mahan) writes:
>>............... If you want to make it private, DONT'T do it on
>>cellular.
>
>> -dave
>
>
>True! Very true, at least for now. Current domestic analog
>cellular communications use traditional FM transmission
>characteristics at least for the voice channels. The only
>thing that may provide a bit of a problem for eavesdroppers is
>that the in-progress call may migrate (hand-off) to another

>channel at any time so the listener will either need to hunt for
>the new channel or find another interesting conversation on another
>channel.

Yup, that was what always seemed to happen just as the conversations got interesting. You would need lots more equipment to do a really proper job of tracking down one desired phone of interest and keeping up both sides of the conversation. One big problem was that the person being talked to (the normal land line, not the mobile phone) was very faint. I was told that the only reason we got both sides on the same demodulator was that we were picking up energy mismatches (bad impedance matching) from the land line when it was sent to the cellular. That would make sense, since some conversations could only pick up the mobile side or the land side. Most conversations were legible on both sides, though.

>The beginning of the end of this is near however. The analog RF
>transmission will soon begin to be replaced by digital RF transmission
>where the base station equipement will transceive along with the mobile
>subscriber unit in a proprietary, digital format. It will still be
>possible to tune some scanner or piece of equipement to a busy channel
>but all that will be heard will be the bumble-bee buzz of the digital
>transactions. While I wouldnt say that it would be impossible to
>decode this, those thinking of it will be sumpremely challenged: One
>RF radio channel will have several digital voice channels
>multiplexed onto it and will be encoded using some pretty high-speed
>digital signal processors.

I'm not sure if this will true. I figure that to keep costs of cellular down, they won't go to anything too expensive like TDMA or packet. Takes too much inside the phone, and makes the current system obsolete. They may digitize, (probably will) but the transmission will be some kind of fairly simple scheme that fits into today's FDMA mode of operation (It is FDMA isn't it? At least, that is my understanding of how cell phones work. I could be wrong) Simple encoding schemes mean simple answers for tuning in, like taking a scanner output tuned to the cellular bands and feeding it into an old defective cell phone that understands decoding digital stuff. In fact, it might not be that hard to just trick your phone into receiving the same signal being sent to the active party. Since you wouldn't have transmit capability, you would be merely eavesdropping. Also, don't think that just because you scramble doesn't mean you can't be tuned into. There are going to be a proliferation of cellular test sets and various other pieces of equipment that are quite capable of the job. Who would have ever thought one could use a spectrum analyzer (and a paper clip) available off the shelf to do this? Not me, until I was shown. I still stick to my original premise:

If you want to make it private, DONT'T do it on cellular.

>
>Like everything, this will take a little time but the scenarios like
>Dave described will soon disappear.

Time will just up the stakes and introduce new wrinkles and variations on the theme. Most folks will cease to be able to get clear cellular broadcasts, but there are always the techno-zoids that will figure it out for kicks. And the CIA. And the FBI. And the NSA. And the.........

> Mike

-dave

P.S. - As a side note, how many folks read Tom Clancy's book called, "Clear and Present Danger"? In it, Mr. Clancy describes a very interesting means of tuning into cellular phones in Columbia to nab high profile drug dealers, all done by members of the U.S. Govt. Very High tech, more than just slightly believable. Does he know something we don't? If you want more info, read the book. It's very good, and I don't want to spoil it for those that haven't yet read the novel.

From -5793218049602089687
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6e9bb1e63154e823,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 19:59:49 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!att!cbnews!gws
From: gws@cbnews.ATT.COM (Gary W. Sanders)
Newsgroups: rec.ham-radio
Subject: n8emr bbs
Message-ID: <16232@cbnews.ATT.COM>
Date: 4 May 90 17:05:28 GMT
Reply-To: gws@cbnews.ATT.COM (Gary W. Sanders,51236,cb,3D246C,6148605965)
Organization: AT&T Bell Laboratories
Lines: 16
Posted: Fri May 4 18:05:28 1990

FYI.....

The N8EMR HAM BBS took a hard disk crashed yesterday...
I am attempting to put the system back togeather.. It will however
take a few days to get my disk referbished or replace. (need to round up
some cash). Until I get the system up again, the ARRL bulletins,w5yi,
qex,and the vk2sg rtty reports normally posted from my system will not
be posted. Sorry for any inconvience the system down time may cause.

Gary Sanders (N8EMR)
gws@cblph.att.com

--
Gary Sanders (N8EMR) AT&T Bell Labs, Columbus Ohio
gws@cblph.att.com 614-860-5965

From 3969385765445717072

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d33404d49c0a005
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 21:47:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: What is a CB radio?
Message-ID: <7880143@hpfcdc.HP.COM>
Date: 4 May 90 16:02:49 GMT
References: <12850@bambam.WELLESLEY.EDU>
Organization: HP Ft. Collins, Co.
Lines: 4
Posted: Fri May  4 17:02:49 1990

Anyone know the story behind the unused frequencies on 11 meters ?  Are
they dead frequencies, or allocated to another service ?

Perry/KF0CA



From 6193573904831769l5
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e43488e98c570db
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 22:23:08 PST
Path: gmdzi!unido!mcsun!uunet!dg!emav11!dewandel
From: dewandel@emav11.webo.dg.com (Mark DeWandel)
Newsgroups: rec.ham-radio
Subject: Re: Rush and YYZ
Message-ID: <431@dg.dg.com>
Date: 4 May 90 21:51:22 GMT
References: <9005030705.AA18581@ucbvax.Berkeley.EDU>
Sender: root@dg.dg.com
Reply-To: dewandel@emav11.webo.dg.com (Mark DeWandel)
Organization: Data General, Westboro, MA
Lines: 3
Posted: Fri May  4 22:51:22 1990

And if you play it backwards...
---------------------------
dewandel@emav11.webo.dg.com



From -1817037361217378623
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,23ccd005d9c84fc7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 23:27:24 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!
jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
```

Newsgroups: rec.ham-radio
Subject: Re: 3-year-old learns Morse Code
Message-ID: <9c4Ni1w161w@w8grt.fidonet.org>
Date: 4 May 90 22:08:43 GMT
References: <7564@lynx.UUCP>
Organization: QRV de W8GRT
Lines: 21
Posted: Fri May 4 23:08:43 1990

neal@lynx.uucp (Neal Woodall) writes:

> In article <36037@genrad.UUCP> dls@genrad.com (Diana L. Syriac) writes:
>
> >I've heard rumors that there is a 3-year-old that just took AND PASSED
> >the 5 wpm Morse Code test in Oklahoma. Presumably, this 3-year-old cannot
> >read, does not know her alphabet yet, cannot write, so is normal in most
> >respects
>
> Not too suprising really.....most normal kids have a really amazing ability
> to learn language at this age, and since morse is really just another symbol
> system, as far as the kid's brain is concerned it is just "more of the same".

I still think this is another of those urban legends, perhaps even a deliberate invention. But even if it is true, it is just one more piece of evidence that the code test is a meaningless waste of time for anyone of any age.

I took a lot of flack when I asked once in the Fidonet HAM conference, "If ham radio did not exist and you were given the job of inventing it, would you include a code test and why?"

From 4686223023933525794
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4e0e8d64123dafe,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-05 00:20:23 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!STLAWU.BITNET!MROWEN
From: MROWEN@STLAWU.BITNET (Mike Owen W9IP)
Newsgroups: rec.ham-radio
Subject: CW and conversation
Message-ID: <9005050651.AA01128@ucbvax.Berkeley.EDU>
Date: 4 May 90 13:06:53 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Fri May 4 14:06:53 1990

In a recent posting, John Broughton (WB9VGJ) related his experiences as a military CW interceptor. He mentioned that he could eventually carry on conversations while copying CW. This brought something to my mind.

I have been a ham for >20 years, and CW is enjoyable and no hassle at all. 20-30 WPM is routine. However, I have found that I simply cannot speak while sending. Listening to others speak, even while copying CW, is easy, but I can't utter a sound while sending. I suspect that the fact I'm left-handed has something to do with it (you know, brain organization and all that).

Has anyone else encountered this, or have any suggested interpretation?

Mike Owen W9IP

```
From -4110739967850833341
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f8efd8ffdf242a34,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-05 00:20:28 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!ucsd!ucbvax!GTE.COM!
pescatore_jt%ncsd.dnet
From: pescatore_jt%ncsd.dnet@GTE.COM
Newsgroups: rec.ham-radio
Subject: CW AND CONVERSATION
Message-ID: <9005041446.AA28634@bunny.gte.com>
Date: 4 May 90 14:46:36 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Fri May  4 15:46:36 1990
```

In response to W9IP's note about not being able to talk and send, I'm rirht right handed am in the same boat. I can read the paper and copy/send cw, copy two CW signals at once, copy and send at the same time, walk and chew gum at the same time, but I can't talk and send. As I type this I have just discovered that I can't type and talk either. I think I have multiple input ports but only one output port.

73 John Pescatore WB2EKK PESCATORE_JT@NCSD.GTE.COM

```
From 8179808981944425667
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fdeee1a1f6aa3e14,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-05 00:20:55 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!WPAFB-AMS1.AF.MIL!
bob%50781.decnet
From: bob%50781.decnet@WPAFB-AMS1.AF.MIL ("50781::BOB")
Newsgroups: rec.ham-radio
Subject: Yaesu 208R and DC headsets.
Message-ID: <9005050655.AA01435@ucbvax.Berkeley.EDU>
Date: 4 May 90 22:41:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
```

Posted: Fri May 4 23:41:00 1990

Ok all you ham/pilots (and there are many). I am looking to link my Dave Clark H10-30 headset to my Yaesu 208R with the little round plug type connector. Does anybody have any experience in this? How 'bout putting any headset on a 208? Most of the retailers I saw want about 50 bucks for a Yaesu installation, that a little steep.

Bob N5GNA

From -468121167367190024
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2ec80912c9f738e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-05 00:21:11 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!BABETTE.ISI.EDU!COLE
From: COLE@BABETTE.ISI.EDU (Randy Cole)
Newsgroups: rec.ham-radio
Subject: ICOM R9000 Computer Control
Message-ID: <641882387.0.COLE@babette.isi.edu>
Date: 5 May 90 04:39:47 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 82
Posted: Sat May 5 05:39:47 1990

This is a reply to Bert Campbell, N5KGT, regarding his request for info about some details regarding computer control of the ICOM R9000. I don't have easy access to Usenet to EMail Bert, and there might be more than two of us out there with R9000s, so please excuse the reply via the group.

To read a memory (say Memory 321) on the R9000, send the following sequence of packets:

```
Set memory:          FE FE 2A F1 8 3 21 FD
Read freq:           FE FE 2A F1 3 FD
Read mode:           FE FE 2A F1 4 FD
```

(the above assumes the R9000's address is 2A, which is the default, and the computer's address is F1. All bytes are hex.)

To set a memory (for example to set Memory 456 to 1234.567890 MHz FM medium), send:

```
Set memory:          FE FE 2A F1 8 4 56 FD
Set freq:            FE FE 2A F1 5 90 78 56 34 12 FD
Set mode:            FE FE 2A F1 6 5 2 FD
Write VFO to mem:    FE FE 2A F1 9 FD
```

Here are some new commands which work on the R9000:

Command E followed by a second byte (subcommand) of 0 makes the radio stop scanning if it is scanning. However, I haven't been able to make it START scanning. Example: FE FE 2A F1 E 0 FD.

Command 10 followed by a subcommand sets the tuning step. Subcommand 0 sets 10 Hz, 1 sets it to 100 Hz, up to subcommand 9 which sets it to 100 kHz. I haven't found out how to READ the tuning step, however.

Command 11 followed by a subcommand sets the attenuator. Subcommand 00 turns it off, 10 sets it to 10 dB, 20 sets it to 20 dB, 30 sets it to 30 dB.

Command 12 followed by 0 turns the antenna select OFF. Command 12 followed by 1 turns it ON.

Command 13 replies with a positive response (FB) but I can't see what the heck it does. My best guess would be that it makes the optional speech synthesizer speak the frequency, if you have one, which I don't.

Command 14 followed by a subcommand and a data byte sets AF gain, RF gain or the squelch level. Subcommand 01 sets AF gain to a value from 0 to 255 given in the data byte. Similarly subcommand 02 sets RF gain and 03 sets the squelch level. For example, FE FE 2A F1 14 01 80 FD would set the AF gain to a value of 128. It's obviously best to debug this one while NOT using headphones with the R9000.

Command 15 reads the S-meter. The reply message contains a data byte with a value from 0 to 255 which represents the current S-meter reading.

One of the mysteries of life is why ICOM USA is told so little about the computer interfaces on their rigs. I called ICOM and talked to Tom Moore of ICOM Customer Service, who is very helpful. He told me about Commands 11, 14 and 15. I found the others by experimenting. Don't they work all the time? Don't all R9000s have them?

Incidentally, I haven't had a whole lot of luck with baud rates above 1200. That goes for all the ICOM rigs, not just the R9000.

If anyone knows what Command 13 does, how to read the tuning step size, or how to start scanning, I'd certainly appreciate knowing.

Randy Cole KN6W

Citicorp-TTI
cole@babette.isi.edu
(213) 450-9111, x2628

From -3470081282498948128
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d33404d49c0a005
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-05 06:30:26 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
unix.cis.pitt.edu!dsinc!wells!edw
From: edw@wells.UUCP (Ed Wells)
Newsgroups: rec.ham-radio
Subject: Re: What is a CB radio?
Summary: 5 non Class D frequncies
Message-ID: <233@wells.UUCP>
Date: 5 May 90 11:22:21 GMT
References: <12850@bambam.WELLESLEY.EDU> <7880143@hpfcdc.HP.COM>
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 20
Posted: Sat May 5 12:22:21 1990

In article <7880143@hpfcdc.HP.COM>, perry@hpfcdc.HP.COM (Perry Scott) writes:
> Anyone know the story behind the unused frequencies on 11 meters ? Are
> they dead frequencies, or allocated to another service ?
>
> Perry/KF0CA

If you are referring to:
26.995, 27.045, 27.095, 27.145, 27.195
then you are referring to the Class "C" frequencies. These are intended
for non voice use. These frequencies are mostly used for remote
control applications. Radio Shack uses some of these frequencies for
their remote control cars, etc..

Is this what you were referring to?

--
===
Edward E. Wells Jr., President   Voice: (215)-943-6061
Wells Computer Systems Corp., Box 343, Levittown, Pa. 19058
{dsinc,francis,hotps,houxl,lgnp1,mdi386,pebco}!wells!edw

From -6189733374865380318
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4daf9921ade78729,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,4daf9921ade78729,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-05-05 06:32:01 PST

Path: gmdzi!unido!mcsun!uunet!swlabs!jack
From: jack@swlabs.uucp (Jack Bonn)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: PC-Pakratt patch
Message-ID: <1990May4.203531.15322@swlabs.uucp>
Date: 4 May 90 20:35:31 GMT
Reply-To: jack@swlabs.UUCP (Jack Bonn)
Organization: Software Labs, Ltd.
Lines: 24
Xref: gmdzi rec.ham-radio:11281 rec.ham-radio.packet:2195
Posted: Fri May 4 21:35:31 1990

I have a PK-232 and had been running the PC-Pakratt software for over a year on a genuine AT without incident.

I have recently put a 386SX in the shack and find that there is a timing dependency in the PC-Pakratt software that prevents it from operating. The software indicates that it is "Unable to establish communications with Pakratt" and terminates.

When I called the tech support at AEA, they told me that indeed there was a timing dependency in the PC-Pakratt software and that the original authors of the code were nowhere to be found. I asked about a fix and they indicated that they had a new program that was going to be released during the summer. At that point, owners of PC-Pakratt would be offered a "deal", I was told.

So it looks like the near term solution is to patch the timing loop to eliminate the problem. To save the time, has anyone on the net hacked/patched PC-Pakratt to eliminate this problem?

-Jack
--
```
Jack Bonn, KC1UH, <> Software Labs, Ltd, Box 451, Easton CT  06612
uunet!swlabs!jack (UUCP)        jack%swlabs.uucp@uunet.uu.net (INTERNET)
jack@kc1uh        (TCP/IP)      kc1uh@wb1cqo                  (AX.25)
```

From 6001902268605599668
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,18fd1463e74037c1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-05 06:55:33 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!pyrite!crds
From: crds@pyrite.uucp (Glenn A. Emelko)
Newsgroups: rec.ham-radio
Subject: SSTV -- What's recent?
Message-ID: <1990May5.111330.23661@usenet.ins.cwru.edu>
Date: 5 May 90 11:13:30 GMT
Sender: news@usenet.ins.cwru.edu
Reply-To: crds@pyrite.SOM.CWRU.Edu (Glenn A. Emelko)
Organization: WSOM CSG, CWRU, Cleve., OH

Lines: 14
Posted: Sat May 5 12:13:30 1990

I'm interested in finding out the current state of Slow Scan Television -- preferably information about non-digital SSTV. Are there scan converters readily available to encode TV images into voice-bandwidth transmissions? Anything low-cost? What's "typical" (time-wise) for a complete 525 line transmission? What is available in the way of a decoder? Thanks in advance for the information -- No, I'm not a Ham Radio operator; I have a friend who is looking for this information (he doesn't have access to the network).

Glenn A. Emelko

crds@pyrite.SOM.CWRU.Edu

From -1977401294901122395
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7353301113ef3b4a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-05 09:49:52 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: The Black Hole Effect (additional data)
Message-ID: <685@ssc.UUCP>
Date: 5 May 90 06:42:54 GMT
References: <1990May2.020957.24571@hayes.fai.alaska.edu>
<ecXLi1w161w@w8grt.fidonet.org>
Organization: SSC, Inc., Seattle, WA
Lines: 13
Posted: Sat May 5 07:42:54 1990

In article <ecXLi1w161w@w8grt.fidonet.org>, jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>
> Everyone keeps overlooking the geology of Michigan's UP, much of which is
> RICH in copper and iron deposits. We're speaking in terms of the whole
> dadgummed peninsula being being one humongous bar magnet.

And maybe the Navy's submarine communication system is causing the core to saturate :-).

Being next to a large body of nonconductive water may cause just as many strange problems.

markz@ssc.uucp

From -3578714541927611777
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,4d33404d49c0a005
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10e16d,db104441d7d605a3
X-Google-Attributes: gid10e16d,public
X-Google-ArrivalTime: 1990-05-05 09:49:58 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.autos.driving,rec.ham-radio
Subject: Re: What is a CB radio?
Message-ID: <686@ssc.UUCP>
Date: 5 May 90 06:52:36 GMT
References: <90121.014009SPW103@psuvm.psu.edu>
<1990May4.043710.1130%aai@uunet.uu.net>
Organization: SSC, Inc., Seattle, WA
Lines: 11
Xref: gmdzi rec.autos.driving:789 rec.ham-radio:11284
Posted: Sat May 5 07:52:36 1990

In article <1990May4.043710.1130%aai@uunet.uu.net>, leo%aai@uunet.uu.net writes:
>
> Thanks to intense lobbying by the cellular phone industry, a law was passed
> making it illegal to sell equipment capable of receiving cell phone calls or
> to listen to such calls.

Not true. Sale is not outlawed, but Uniden and Radio Shack both have
a large interest in cellular phones.   If that were true, the Icom
R-7000, R-9000, and Yaesu FRG-9600 would have disappeared years ago.

markz@ssc.uucp

From -2981346318074614979
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d33404d49c0a005
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-05 10:58:23 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
cs.utexas.edu!execu!sequoia!attdso!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Cellular phone and Wall Street Week (5/4/90)
Message-ID: <687@ssc.UUCP>
Date: 5 May 90 07:02:28 GMT
References: <90121.014009SPW103@psuvm.psu.edu>
<1990May4.043710.1130%aai@uunet.uu.net>
Organization: SSC, Inc., Seattle, WA
Lines: 10
Posted: Sat May 5 08:02:28 1990

On tonights Wall Street Week, the guest paper hanger said that in two years
the digital cellular phones will allow three times as many conversations.

But he said that the next generation after that will give another threefold increase. Is digital voice technology good enough so that 9 (Toll quality) conversations can take place in the 60 Khz of spectrum used by one analog cellular conversation? (Or is someone elses spectrum going to get used)

markz@ssc.uucp

From 4098595896625330572
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f1dc7bd67e9605af
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-05 11:23:59 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!usc!apple!fernwood!portal!cup.portal.com!Justin_Randall_Padawer
From: Justin_Randall_Padawer@cup.portal.com
Newsgroups: rec.ham-radio
Subject: Re: CQ buys HAM RADIO
Message-ID: <29630@cup.portal.com>
Date: 5 May 90 16:48:41 GMT
References: <12049@cbnewsm.ATT.COM>
Organization: The Portal System (TM)
Lines: 5
Posted: Sat May 5 17:48:41 1990

Here here, Bob. As a former feature writer for Ham Radio Horizons (remember that one?--late 1970s/early 1980s) published by the Ham Radio Group, I'll miss them as well. Let's hope they continue in some fashion under the new CQ ownership. --Randy Padawer
WA4FJF

From -8862864298950857807
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6fab1fc72c8f18c8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,6fab1fc72c8f18c8,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-05-05 12:00:31 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!rpi!crdgw1!ge-dab!tarpit!peora!tsdiag!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: News From OSCAR-11 03-May-90
Keywords: Amateur Satellite News From SPACE
Message-ID: <287@ka2qhd.UUCP>
Date: 5 May 90 19:00:31 GMT
Organization: KA2QHD PBBS SYSTEM, OCEAN NJ
Lines: 174
Xref: gmdzi rec.ham-radio:11312 sci.space:12137
Posted: Sat May 5 20:00:31 1990

```
* UOSAT-2 OBC STATUS INFORMATION *

DIARY OPERATING SYSTEM V3.1 SMH MLJM MSH

 Today's date is 5 /5 /90  (Saturday)
 Time is 1 :47 :17 UTC
 Auto Mode is selected
 Spin Period is - 274
 Z Mag firings  = 0
 + SPIN firings = 3
 - SPIN firings = 1
 SEU count      = 6
 RAM WASH pointer at E20D
 WOD commenced 5 /5 /90 at 0 :0 :9
 with channels 10 ,11 ,19 ,29 ,
 Last cmnd was 109 to 0 , 0
 Attitude control initiated, mode 1
 Data collection in progress
 Digitalker active
```

**** UoSAT-OSCAR-11 BULLETIN - 215   03rd May   1990 ****

UoSAT MISSION CONTROL CENTRE
University of Surrey, Guildford, Surrey, GU2 5XH, England

* NEW DATA FORMATS *

The new Forth-Diary binary packetised data format is:

S0 S1 ID T0 T1 T2 T3 T4 T5 F0 F1 D0 D1...D63 C0 C1

S0,S1 : SYNC MSB,LSB
ID   : Data Ident
T0..T5 : Timestamp
F0,F1 : Frame Counter MSB,LSB
D0..D63: 64 Data bytes
C0,C1 : Checksum MSB,LSB

1.SYNC

5041h for UoSAT-2, 4534h for UoSAT-3.

2.ID

01 Engineering frame. 1 packet

02 Memory dump. Variable number of packets, only for debug purposes
03 Telemetry. 3 packets
04 SEU data. 10 packets
05 Extended Engineering. 2 packets
80h..FFh WOD

The WOD ID byte is incremented every time a new WOD survey is started.
It starts with 80h, and goes to FFh before going back to 80h.
UoSAT-2 WOD outputs 372 packets, UoSAT-3 WOD is 352 packets.

3.Timestamp

Each frame is timestamped at transmission.
T0 is seconds, T1 minutes, T2 hour, T3 the day, T4 the
month and T5 the year. All are in BCD format.

4.Frame counter

Each frame is numbered according to the number of packets, as
specified in 2:ID.

5.DATA

5.1.Engineering frame

Byte
0: Day number. 1=Sunday, 7=Saturday.
1: NA
2: WOD survey start seconds (BCD)
3: '' minutes
4: '' hours
5: '' day
6: '' month
7: '' year
8: Diary Mode: 0=Auto, 1=Manual.
9: Last command received.
10: Command set/reset.
11: Command data.
12: Attitude control active.
13: Attitude control mode: 1=spin, 2=Mag Lock, 3=delib, 4=1 and 3.
14: WOD collection in progress.
15: WOD # channels
16: 1st WOD channel
.. ... ''
25: 10th ''
26: WOD Survey Number
27: Total SEU's (MSB)
28: '' (LSB)
29: WASH RAM pointer (MSB)
30: '' (LSB)

31: Manual mode time-out counter (minutes)

Followed by 32 bytes of engineering data.

5.2 Memory

Memory dump, variable number of packets.

5.3 Telemetry

Each TLM channel uses 2 bytes.

5.4 SEU

Each of the 64 SEU entries:

T0 T1 T2 T3 T4 T5 A0 A1 C0 C1

T0..T5 : time of SEU detection
A0, A1 : address of the SEU (msb,lsb)
C0, C1 : SEU counter (msb,lsb).

ASCII download of SEU has now been stopped.

7.5 Extended Engineering data

These are two frames of variable data, mainly Attitude Control related.

5.6 WOD

Frame 0: T0..T5 N C0..C9 wod data..
All other frames: wod data

```
T0..T5 : survey start time
N      : number of channels
C0..C9 : WOD channels
wod data: (4 channel example)

 byte0 byte1 byte2 byte3 byte4 byte5 byte6 ...
 MS MD LS MS MD LS MS MD LS MS MD LS MS MD LS ...
 Channel1 Channel2 Channel3 Channel4 Channel1 Channel2 ...
```

MS: MSnibble, MD: Middle nibble, LS: LSnibble.

ASCII WOD: the checksum on UoSAT-3 should now add up to 204 (CC hex).

6.Checksum

Byte wise addition of all bytes, modulo 10000h.

** BID **

Please use BID $UOSAT.215 for PBBS use.

```
--
AMPR : KD2BD @ NN2Z (Neptune, NJ)
UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
       "For every problem, there is one solution which is simple,
       neat and wrong." -- H.L. Mencken
```

From -5456661299415043100
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8617e3eb6162123b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-05 16:36:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!ucselx.sdsu.edu!coxc0010
From: coxc0010@ucselx.sdsu.edu (David Tse)
Newsgroups: rec.ham-radio
Subject: Re: SlowScan on Amiga
Summary: Amiga Video Terminal by AEA
Message-ID: <1990May5.210918.10907@ucselx.sdsu.edu>
Date: 5 May 90 21:09:18 GMT
References: <3573@jato.Jpl.Nasa.Gov>
Reply-To: coxc0010@ucselx.sdsu.edu (David Tse)
Organization: San Diego State University Computing Services
Lines: 39
Posted: Sat May 5 22:09:18 1990

In article <3573@jato.Jpl.Nasa.Gov> hammock@mars.jpl.nasa.gov (Randy Hammock KC6HUR) writes:

```
>I am looking for a program that will support the sending and receiving
>of slow-scan images using an Amiga computer.  It seems that something
>that supports sending directly from an IFF should be fairly simple to
>do.  I'd like to hear what anyone else has on this.
>
>73's
>Randy
>AMIGA /// | hammock@mars.jpl.nasa.gov  Telos - Jet Propulsion Laboratory - NASA
>     ///  |          KC6HUR              >>> Space reseved for future use <<<
> \\///   |----------------------------------------------------------------
>  \XX/ C= |     "When I want your opinions, I'll give them to you!" - Mock
```

Amiga Video Terminal is a software and hardware product for Amiga computer by AEA. It can do SSTV in colour, rx WEFAX, NEWSFAX, group 1,2 fax,over phone sending and receiving pictures w/many image processing utilities, it can be hooked up to phone line, transceiver etc. (it is a kind of modem).

I read it in QST and talked to a ham today at an Amiga dealer looking at the the brand new demo unit of Amiga 3000! (M68030/68882 25Mhz, 8 VLSI custom chips and the new OS is very professional). check out the comp.sys.amiga(.tech/.hardware) on usenet. He uses the AVT above and he likes it a lot, sending color SSTV on HF all over!

```
/******************************************************************************/
/*                                                                            */
/*    David Tse      Internet: coxc0010@ucselx.sdsu.edu (expire 5/31/90)     */
/*                                                                            */
/*                 U.S. Mail: P.O. Box 15634, San Diego, CA 92115-0634, USA */
/*                                                                            */
/*              Organisation: San Diego State University, California, USA   */
/*                                                                            */
/******************************************************************************/
```

--

```
/******************************************************************************/
/*                                                                            */
/*    David Tse      Internet: coxc0010@ucselx.sdsu.edu (expire 5/31/90)     */
```

From -4448395046587761062
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7353301113ef3b4a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-05 16:37:03 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!apple!netcom!mcmahan
From: mcmahan@netcom.UUCP (Dave Mc Mahan)
Newsgroups: rec.ham-radio
Subject: Re: The Black Hole Effect (additional data)
Message-ID: <11703@netcom.UUCP>
Date: 5 May 90 20:52:02 GMT
References: <1990May2.020957.24571@hayes.fai.alaska.edu> <ecXLi1w161w@w8grt.fidonet.org> <685@ssc.UUCP>
Organization: NetCom- The Bay Area's Public Access Unix System
Lines: 29
Posted: Sat May 5 21:52:02 1990

In article <685@ssc.UUCP> markz@ssc.UUCP (Mark Zenier) writes:
>In article <ecXLi1w161w@w8grt.fidonet.org>, jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
>>
>> Everyone keeps overlooking the geology of Michigan's UP, much of which is
>> RICH in copper and iron deposits. We're speaking in terms of the whole
>> dadgummed peninsula being being one humongous bar magnet.
>
>And maybe the Navy's submarine communication system is causing the
>core to saturate :-).
>

>Being next to a large body of nonconductive water may cause
>just as many strange problems.

I'm not sure what a non-conductor would have to do with propagation problems. In the normal case, your antenna is next to a large body of (non-conducting) air when you transmit, and that doesn't seem to cause too many problems. Why would water?

I too wondered about the Navy ELF project and it's effect on the 'black hole' phenomena. I think these problems may have dated back to before that antenna network was even thought of, though. Still, you have to wonder if the powers that be thought about all that iron before they started digging trenches for their antenna grid. Is it finished yet? Last time I was in the UP, the environmentalists were still fighting hard.

>markz@ssc.uucp

-dave

From -5397584603525900508
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7af27d2a87360274,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-05 22:57:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.UUCP (Constructive Frivolling)
Newsgroups: rec.ham-radio
Subject: ARRL DX Bulletin #18
Message-ID: <29536@ut-emx.UUCP>
Date: 5 May 90 20:57:10 GMT
Organization: The University of Texas at Austin, Austin, Texas
Lines: 66
Posted: Sat May 5 21:57:10 1990

(posting this for Jim Reisert AD1C):

QST de W1AW
DX Bulletin 18 ARLD018
>From ARRL Headquarters
Newington CT May 4, 1990
To all Radio Amateurs

Thanks to Paul, KB1BE and the Connecticut DX Association for the following DX information.

>From the DXCC desk. Do not submit QSL cards for Walvis Bay before June 1. Cards submitted before that date will be returned with no credit. DXCC credit for Walvis Bay will be given for contacts on or after September 1, 1977.

Spratly. 1S0XV The Russian group is still active. They are waiting for a new generator as well as additional fuel. They should be back on the air by May 4th and operating for about 10 days. The QSL route is still in question, but it is possible that a stateside manager is in the works.

South Yemen. A very good possibility for an operation on May 19th with 9K2 operators. They have received verbal permission and written permission is expected soon. Keep your fingers crossed and your radios warmed up.

Conway Reef. 3D2 Another mid May DXpedition to the South Pacific by part of the recent Jarvis team of Martti, OH2BH, Wayne, N7NG, and Ron, ZL1AMO. They will be joined by Matt, SM7PKK. These DXers, with good conditions, could really do a big job on the recently new DXCC country island.

Rotuma. 3D2 Bing, VK2BCH, will make his third visit and amateur operation from Rotuma in the South Pacific starting on May 20th. Bing will operate 80 through 10 meters using mostly SSB with some CW. QSL to his home call.

Cocos Keellng Island. VK9 May 19 to 26 operation of VK9EW by WC5N, and VK9WB by W5EW.

Dodecanese. SV5 Starting May 21st for 10 days, N2OO, WA3TYF and SV0AA will sign /SV5. They will also be in the WPX CW contest and will be active on 160 through 10 meters on both CW and SSB before and after the contest.

Kerguelen Island. FT4XG, Francois, has been very active on 10 SSB on the weekends. Listen on 28574 KHz around 1500Z working 5 up. Also, FT5XH and FT5XA show up on 14165 KHz several mornings a week at 1100Z or later via long path. QSL for FT4XG via FD1ASS or F1ASS or to 1990 CBA.

USSR special event station. Ian, G3BWN has been given permission to operate a special event station in Moscow operating from May through 12. His call will be EK45WV/G3BWN. Ian will also operate as UA3/G3BWN from the home station of the local radio club president. The special event station will be operated by local war veterans and Ian. Ian was a radio operator during WW2 on the Russian convoys. The WV in the call stands for War Veterans. The special event will be on 20, 15 and 10 meters, both CW and SSB.

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
wills@utxvm (Bitnet)

From -5392922911348464782

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b8b126a2d9ec4732,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-05 23:06:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!dasys1!schuster
From: schuster@dasys1.uucp (Michael Schuster)
Newsgroups: rec.ham-radio
Subject: ICOM Receiver Whitewash
Summary: What's Going On?
Message-ID: <1990May5.185556.2879@dasys1.uucp>
Date: 5 May 90 18:55:56 GMT
Reply-To: schuster@dasys1.UUCP (Michael Schuster)
Organization: The Big Electric Cat; New York, N.Y. USA
Lines: 28
Posted: Sat May  5 19:55:56 1990

I'm on EEB's waiting list for an ICOM R-1. Today I received the
following letter in the mail:

Dear Customer,
      EEB has been informed  by ICOM that the new R1, R100, and R72A
have been removed from the market, until further notice.
      Unfortunately,  ICOM  is unable to project any future delivery
date at this time.
      We are suggesting that all orders be cancelled, but, will only
do so upon the customers  request.   Any  money already paid against
the purchase of one of  these  units  will  be refunded, in full, at
the time the order is cancelled.
      We apologize for any inconvenience.
      Please feel free to  call  our  customer service department at
1-800-368-3270 if you  should  have any questions or if we can be of
any further service to you.
      As always EEB thanks you for your business.
                                    Sincerely,
                                    Patricia Hurt
                                    Customer Service



OK folks, what's the deal?

--
l\  /l'   _  Mike Schuster          70346.1745@compuserve.com
l \/ lll/(_  Big Electric Cat       schuster@dasys1.UUCP   CIS:70346,1745
l    lll\(_  New York, NY USA       DELPHI,GEnie:MSCHUSTER


From -4665188799758138607
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2731fbc7dcb37294
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-06 00:09:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!helps!bongo!julian
```

From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: WARC DANGEROUS RECORDINGS
Summary: Assignment vs Use
Message-ID: <138@bongo.UUCP>
Date: 5 May 90 19:24:17 GMT
References: <700@idacrd.UUCP> <30500520@ux1.cso.uiuc.edu>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 26
Posted: Sat May 5 20:24:17 1990

In article <30500520@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
>
>
> I recently had a conversation with a local ham, not over the air, concerning
> the density of amateur FM/repeater communications in large metropolitan areas.
> He had spoken with another ham from such an area who had the perspective that
> in his area (LA) the 2m, 1.25m, 70cm, and even the 23cm were FULL. He had
> the perspective that 1 QSO per day made the repeaters "busy".
>

I keep saying this, and I keep getting told that I don't understand etc. But somehow there is a feeling that if a frequency has been "assigned" it is being used. Most of the "assigned" repeaters etc on 70 cm in LA are not used. No, I don't call two co-owners who chat for 10 mins per week use. That is equipment testing.

Even on 2 meters, here in LA there are repeaters that are hardly used. Once myself and a friend were using 145.55 for chats. We found that there was a repeater near there. Yup, every Thursday at 19.00 the "Net" met there and played the Westlink tape. RF spectrum is a precious resource, we have to stop piddling it away.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From 1389448709009374353
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3ee6512e78a1337f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,3ee6512e78a1337f,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-06 00:10:24 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!apple!portal!cup.portal.com!HAVANAMOON
From: HAVANAMOON@cup.portal.com (Havana - Moon)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Numbers station on 6841 kHz
Message-ID: <29644@cup.portal.com>
Date: 5 May 90 22:55:55 GMT

References: <2795@husc6.harvard.edu>
Distribution: na,world
Organization: The Portal System (TM)
Lines: 76
Xref: gmdzi rec.ham-radio:11295 rec.radio.shortwave:1162
Posted: Sat May 5 23:55:55 1990

In a recent posting, weir@husc8.UUCP (Robert Weir) writes:

> I have heard an interesting "numbers station" over the past 4 months or so and was wondering if anyone out on the NET might have any leads as to its location.

> The station is heard putting the carrier on about 2320-2330 each evening on 6841 kHz, simulcast on 5050 kHz. The YL, EE announcer goes through a few minutes of "1 2 3 4 5 6 7 8 9 0" before going into her 3/2 numbers routine. What makes me wonder is the incredible signal strength I receive here in Boston. IT ALMOST OVERLOADS MY RECIEVER WITH THE ANTENNA UNATTACHED! This station is not coming from Cuba, but most likely from someplace in the New England area.

This station is located on 6840 kHz, and its parallel on 5047 kHz. It's a classic computer generated 3/2 format English Numbers transmission which has been positively located on a National Communications System site in the Warrenton/Remington area of Virginia. This determination was made some years ago and has been detailed in several publications.

This station is heard at regular four hour intervals throughout the daylight hours with excellent signal strength throughout the northeastern United States. The earliest known interception has been at 1500 UTC, with additional loggings of this station at 1900 and 2300 UTC.

The format (as described in an article I published this month in The A*C*E Bulletin) follows:

Type Five Transmission Formats (3/2 English)

```
"361"                 (repeated three times)
"1234567890"
                      (This header, consisting of the identifier and the
                       count from 1-0 is repeated for a full five minutes).
 ----------           (10 electronic tones)
"Count xx"            (Repeated twice - corresponds to group count)
"xxx xx xxx xx . . .  (Cipher text or crypt)
"Repeat"
"Count xx"
"xxx xx xxx xx . . .  (As above)
"End"
```

You'll never find any 'sins of omission' with transmissions of this type. They are perfectly timed, well modulated, brisk and utterly bionic. While 5-D Spanish are often so technically inept as to be amusing, there isn't a single hair out of place with this group.

The cadence moves like this - 123.45..123.45..123.45.. where '.' equates
to a pause equivalent to the spacing between the numbers. So if you were
to pace it through, each group of 3/2 numbers when combined with its spaces
yields a count of 8 - one full 3/2 set with its spaces occupies an 8 second
block. [As published in The A*C*E Bulletin, a publication which focuses
on Pirate, Clandestine and Covert Radio, Numbers Stations and other similar
topics].

Another National Communications System site, located in Miami, was the
subject of a recent Popular Communications article about KKN-39 -
another of those stations we'd all like to know more about.

Best -
                /HM

```
 __________________________________________________________________________
|                                                                          |
| Los Numeros On-Line         |  HAVANAMOON@cup.portal.com                 |
| MoonBeam Press              |  sun!portal!cup.portal.com!HAVANAMOON      |
| PO Box 149                  |  HAVANA.MOON  (GEnie)                      |
| Briarcliff Manor, NY 10510  |  1:272/39  (FidoNet)                       |
|__________________________________________________________________________|
```

From -8999732569644685772
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b8b126a2d9ec4732
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-06 00:12:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!max!crisp
From: crisp@mips.COM (Richard Crisp)
Newsgroups: rec.ham-radio
Subject: Re: ICOM Receiver Whitewash
Message-ID: <38545@mips.mips.COM>
Date: 6 May 90 01:43:15 GMT
References: <1990May5.185556.2879@dasys1.uucp>
Sender: news@mips.COM
Reply-To: crisp@mips.COM (Richard Crisp)
Organization: MIPS Computer Systems, Inc.
Lines: 36
Posted: Sun May 6 02:43:15 1990

In article <1990May5.185556.2879@dasys1.uucp> schuster@dasys1.UUCP (Michael
Schuster) writes:
>I'm on EEB's waiting list for an ICOM R-1. Today I received the

```
>following letter in the mail:
>
>Dear Customer,
>      EEB has been informed  by ICOM that the new R1, R100, and R72A
>have been removed from the market, until further notice.
>      Unfortunately,  ICOM  is unable to project any future delivery
>date at this time.
>      We are suggesting that all orders be cancelled, but, will only
>do so upon the customers  request.   Any  money already paid against
>the purchase of one of  these  units  will  be refunded, in full, at
>the time the order is cancelled.
>      We apologize for any inconvenience.
>      Please feel free to  call  our  customer service department at
>1-800-368-3270 if you  should  have any questions or if we can be of
>any further service to you.
>      As always EEB thanks you for your business.
>                                     Sincerely,
>                                     Patricia Hurt
>                                     Customer Service
>
>
>OK folks, what's the deal?
>
>--
>l\  /l'   _  Mike Schuster          70346.1745@compuserve.com
>l \/ lll/(_  Big Electric Cat       schuster@dasys1.UUCP   CIS:70346,1745
>l    lll\(_  New York, NY USA       DELPHI,GEnie:MSCHUSTER


I was told that there are patent infringment lawsuits pending on these
radios. I don't know if this is true or not, it's just what I heard.

--
Making the world safe for technocracy.


From 4582405755054126448
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d33404d49c0a005
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-06 00:38:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!uhasun!lindh
From: lindh@uhasun.hartford.edu (Andrew Lindh)
Newsgroups: rec.ham-radio
Subject: Re: What is a CB radio?
Message-ID: <69@ultrix.uhasun.hartford.edu>
Date: 6 May 90 00:02:15 GMT
References: <12850@bambam.WELLESLEY.EDU> <7880143@hpfcdc.HP.COM> <233@wells.UUCP>
Sender: news@uhasun.hartford.edu
Lines: 9
Posted: Sun May  6 01:02:15 1990

Is there any digital use allowed on CB channels? I am think about
```

packet radio....not RC stuff for cars. And what channels can you use
for it?

--
Andrew Lindh, a student at the University of Hartford -- Computer Science
BITNET: LINDH@HARTFORD.bitnet   INTERNET: lindh@uhasun.uofh.edu
UUCP/Usenet: lindh@evecs.uucp   ---- When will I grduate???
NOTE: All views here are MINE!!! Not the schools or thoes of anyone else!

From 7724839657134771144
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10d023,1e76901d79a0a232
X-Google-Attributes: gid10d023,public
X-Google-Thread: 10c9e3,3ee6512e78a1337f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,3ee6512e78a1337f
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-05-06 00:38:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!uhasun!lindh
From: lindh@uhasun.hartford.edu (Andrew Lindh)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Numbers station on 6841 kHz
Summary: Get a RDF
      ....And go find it!
Message-ID: <74@ultrix.uhasun.hartford.edu>
Date: 6 May 90 01:26:44 GMT
References: <2795@husc6.harvard.edu>
Sender: news@uhasun.hartford.edu
Followup-To: rec.radio.shortwave
Lines: 20
Xref: gmdzi rec.ham-radio:11298 rec.radio.shortwave:1163
Posted: Sun May 6 02:26:44 1990

In article <2795@husc6.harvard.edu>, weir@husc8.HARVARD.EDU (Robert Weir) writes:
> The station is heard putting the carrier on about 2320-2330 each evening
> on 6841 kHz, simulcast on 5050 kHz. ....
> Here in Boston. IT ALMOST OVERLOADS MY RECIEVER WITH THE ANTENNA UNATTACHED!
> This station is not coming from Cuba, but most likely from someplace in the
> New England area. She has a Boston accent, one I didn't notice because I am
> so used to it.

Get a Radio Direction Finder......find where the signal is comming from.
Or just call the FCC....That is their job they should be able to find it.
I am now moving so I don't have my radio set up....so I can't see
if I get it in Hartford, CT.
I know there are other number stations that the FCC has tried to find
but there were not in the US....so they could not go after the people.

--
Andrew Lindh, a student at the University of Hartford -- Computer Science
BITNET: LINDH@HARTFORD.bitnet   INTERNET: lindh@uhasun.uofh.edu
UUCP/Usenet: lindh@evecs.uucp   ---- When will I grduate???

```
NOTE: All views here are MINE!!! Not the schools or thoes of anyone else!


From -5008657981476954698
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d33404d49c0a005
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10e16d,db104441d7d605a3
X-Google-Attributes: gid10e16d,public
X-Google-ArrivalTime: 1990-05-06 00:38:52 PST
Path: gmdzi!unido!mcsun!uunet!kaukau.comp.vuw.ac.nz!comp.vuw.ac.nz!gpwd!gpwrdcs
From: don@gp.govt.nz (Don Stokes)
Newsgroups: rec.ham-radio,rec.autos.driving
Subject: Re: What is a CB radio?
Message-ID: <1178.264446f2@gp.govt.nz>
Date: 6 May 90 05:01:20 GMT
References: <90121.014009SPW103@psuvm.psu.edu> <5703@gollum.twg.com>
Organization: Government Printing Office, Wellington, New Zealand
Lines: 44
Xref: gmdzi rec.ham-radio:11299 rec.autos.driving:790
Posted: Sun May  6 06:01:20 1990

In article <5703@gollum.twg.com>, sawyer@twg.com (Bruce B. Sawyer) writes:
> In article <90121.014009SPW103@psuvm.psu.edu> SPW103@psuvm.psu.edu writes:
>>
>>Oh, and of course the salesman told you it was impossible and illegal -- he
>>is a salesman, and likely was just as lost as I/we are. :-]
>>
> "As long as you don't act on the basis of what you hear, you are breaking no
> laws."  Now let me tell you the reality...
>
> I have a close friend here locally (N...) who is the proud new owner of a
> R9000.  After a good deal of urging, he persuaded me to join him for a
> few beers and listen to the 9000.  So up to 800MHz we went, and in a half
> hour I got...
>   - a dope deal being set up;
>   - a replay of last night's sex scene between Mr. X and his secretary,
>     together with how X was planning on getting away from the wife and
>     kids again tonight;
>   - several discussions of corporate takeover strategies (this is Silicon
>     Valley);
>   - etc.

To quote from Telecom Cellular's (part of Telecom Corporation of New
Zealand, the still government owned but probably not for much longer
NZ-wide telephone company) brochure "All the facts about cellular phones
and how they work":

        How private is a call on a cellular phone?

           A cellular phone is virtually as secure as your normal phone.
        If you would normally have a scrambler, you should also use one
        with your cellular phone.
```

But of course people don't usually listen to a tapped wire "over a few beers", do they? There are a few people running around out there with scanners, and in NZ, a scanner that goes to 800MHz is expensive, but not vastly so; quite a few people have them. The radio regs in NZ make it a crime to act on or relay radiocommunications not intended for the listener, but it's an awful difficult thing to prove.

```
Don Stokes, ZL2TNM    /  /                              PSI%(5301)47000028::DON
Systems Programmer   /GP/ Government Printing Office      Postmaster@gp.govt.nz
____________________/  /__Wellington__New_Zealand_______________don@gp.govt.nz
    Judgement comes from experience; experience comes from poor judgement.
```

```
From -6077156905418539590
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e43488e98c570db
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-06 00:55:59 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpda!hpcupt1!bmp
From: bmp@hpcupt1.HP.COM (Brian M. Perkin)
Newsgroups: rec.ham-radio
Subject: Re: Rush and YYZ
Message-ID: <7120120@hpcupt1.HP.COM>
Date: 5 May 90 18:29:21 GMT
References: <9005030705.AA18581@ucbvax.Berkeley.EDU>
Organization: Hewlett Packard, Cupertino
Lines: 4
Posted: Sat May  5 19:29:21 1990
```

Rush was based out of Toronto 15 years back.
I don't know where they call home now.

Brian Perkin

```
From -3850909163272013715
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2731fbc7dcb37294
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-06 01:36:40 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: WARC DANGEROUS RECORDINGS
Message-ID: <689@ssc.UUCP>
Date: 5 May 90 20:20:43 GMT
References: <700@idacrd.UUCP> <30500520@ux1.cso.uiuc.edu> <3048@ultb.isc.rit.edu>
Organization: SSC, Inc., Seattle, WA
Lines: 19
Posted: Sat May  5 21:20:43 1990
```

In article <3048@ultb.isc.rit.edu>, jla4983@ultb.isc.rit.edu (J.L. Austin) writes:

> About the lack of spectrum space for the Land Modile service,
> it seems to me, that the UHF television channels are underutilized.
> In rochester we have channels 21 and 31, what is the rest of the
> space from ~500 -> ~800 MHz used for, if anything?

Given the ease with which an AM video signal can be interfered with, allocating one channel means that several channels are blocked within a given distance. Transmitters that are Co-channel, Adjacent Channel, Sound Image, Picture Image, Local Oscillator, If Beat, and Intermod (almost adjacent channels) (most assuming a 45 Mhz IF) have minimum seperation distances specified by the FCC.

Add on top of that two things. Repeater/Translators for poor reception areas, and the recent community low power TV activity (which is still up in the air, and hasn't come down yet), and the spectrum looks a little crowded. Not to mention the TV broadcasting is worth big $$$.

markz@ssc.uucp

From 4438042084348392526
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8b3762a09f7661c9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-06 02:17:08 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!briar!rfc
From: rfc@briar.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: virus from Japan, affecting Sharp pc
Message-ID: <94379@philabs.Philips.Com>
Date: 6 May 90 06:05:02 GMT
Sender: news@philabs.Philips.Com
Lines: 47
Posted: Sun May 6 07:05:02 1990

I don't know if this Sharp X68000 is an IBM pc clone, so the following may or may not be significant.

copied from Amateur radio packet:

```
 Msg# TSF  Size #Rd Date/Time MsgID        From   To
25681 BF   3274   0 0503/1054 13249_NA2B   N2IXL  VIRUS@NYNET ()
  Sb: Virus in Japanese Software

  ------------------------------
  RELAYED BY N2IXL, FROM BITNET (VIRUS-L DIGEST):
  From:    Yoshio Oyanagi <oyanagi@is.tsukuba.ac.jp>
 Subject: Virus found in Japanese game software (Sharp)
      VIRUS FOUND IN A JAPANESE GAME SOFTWARE ON THE MARKET
                            Yoshio Oyanagi
```

University of Tsukuba, Japan Newspapers reported on April 24 that a virus was found in a simulation game software "FAR SIDE MOON" (9500 yen) for Sharp personal computer X68000. It has been sold by Artdink Inc. since April 13 in Japan. The virus was detected by Computer Virus Institute (Takao Yamamoto, director) of Federation of Japanese Computer Clubs. According to Yamamoto, this virus is programmed so that it keeps inactive until July and after that data on floppy or in the computer will automatically be erased whenever one switches on the computer. So far 3000 sets have been sold, among which half are contaminated. It is conjectured that the computers in Artdink Inc. are invaded by the virus while developping the game software. Today (May 2) Asahi Shinbun (one of the major daily newspaper in Japan) disclosed that it succeeded in making contact with one of the virus makers. According to the report, the maker is a high school boy of age 17, who lives in Kagawa prefecture. Forty people collaborated in making the virus and got several tens of thousand yen (several hundred dollars) for each from the client, who ordered through PC network for hackers. The virus program was completed in three months and distributed secretly since last September. Federation of Japanese Computer Clubs told that there have been two viruses (viri?) for X68000, named "Namba I" and "Namba II". "Namba I" becomes active on July 4 this year and it deletes data on the computer or foppy disks. If the computer is contaminated with both "Namba I" and "Namba II", some X68000 do not accept any floppy after 0:00 May 2. The federation has developped a vaccine and distributing it among PC shops and users. If, however, a computer is contaminated with both viruses, it does not even accept the floppy disk of the vaccine. In this case, user should bring the computer to the maker and ask to change the parts.

1332z, 757 msgs, #25693 last @KD6TH-4 MailBox>

From -8680625369973246277
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79781949f111b54a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-06 05:56:24 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!sdd.hp.com!ucsd!ucbvax!NUWES-LLL.NAVY.MIL!nfunamura%mis2.decnet
From: nfunamura%mis2.decnet@NUWES-LLL.NAVY.MIL ("MIS2::NFUNAMURA")
Newsgroups: rec.ham-radio
Subject: Kenwood TH-215A Problems
Message-ID: <9005060701.AA11640@ucbvax.Berkeley.EDU>
Date: 6 May 90 07:02:08 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 67
Posted: Sun May 6 08:02:08 1990
X-Unparsable-Date: 5 May 90 08:46:00 GMT-10:00

In Message-ID: <1990May2.130539.3645@maverick.ksu.ksu.edu> Myron A. Calhoun writes:

<In a sample population of about 60 amateurs in this town, three of us
<own Kenwood TH-215A HT's, all purchased separately at different times
<from different sources....

<ALL THREE have developed an audio problem in the last eight months:
<the audio (both from the microphone and from the keypad) simply
<disappears at unpredictable intervals. And all three can be "fixed"
<by WHACKING the HT with the palm of one's hand--until it happens again.
....
<If your TH-215A has this problem, if you know of someone else whose
<HT has this problem, or if you know how to solve it, please let me know.
<One of these days a WHACK isn't going to work, and we need help!
<--Myron.

I have a TH-215A that had similar problems....and fixes. I don't know if I was also losing the keypad tones but the audio, both send and receive was dropping out as described. It first started out with losing the receive audio, then some time later I got some reports of no audio on transmit. I also experienced intermittent loss of power (everything off and nothing on the display). The fix was as described....a WHACK!

The first time I experienced the problem was when the rig was about a year old. I was able to fix it by re-soldering the connection on the jacks. I found cold solder joints on two of the three jacks (speaker and external mic). For some reason (maybe related to the large mounting holes on the PC board), the jacks appeared to be hand soldered......with large globs of solder. Everything else appeared to be machine soldered.

The next problem I had was with the power jack. The rig would intermittently just lose power. In some cases I could fix it with a whack and in other cases it required running a thin non-conductor into the jack and pushing on the wiper arm on the side of the jack. I later changed the jack. The new jack lasted about a year and has now been changed also.

About six to eight months ago I began having problems with the audio out again so I quit using the speaker mic until I could change the jack. I have now changed both audio jacks and am back on the speaker mic. I expect to continue getting this problem about once a year so when I ordered the parts from Kenwood I bought three of each jack. (Not a good solution but trying to be practical...and keep the rig going).

I think the coiled cord on the speaker mic subjects the jacks to too much tension so I now run the cord under the rig to relieve the tension on the jack. The molded double plug configuration of the speaker mic does not help the situation (causes a rotational moment and pressure on one jack). I think that the biggest problem with all three of these jacks is that they cannot withstand heavy/rough use.

I don't know how Dr. Calhoun or his friends use their rigs, but my problem has been mainly related to using it in my car. I don't think that anyone who strictly uses the rig on battery power and the internal speaker and mic would experience nearly as much problems as I have. However, I think that the problems would still occur to a lesser degree. The smart thing to do if the jacks are not used is to use the rubber jack-covers supplied with the rig. (Kenwood trying to tell us something?) This reduces the chances of contamination of the normally through contact on the jacks. (The suspected problem area is the normally through contacts on the jacks not making a good contact and being shocked back into contact when whacked).

It might be interesting to survey the number of people who have/have not experienced the problem and find out what percentage use the rig in their cars...with speaker mic, external power etc.

I have also heard of people having problems with the push-to-talk switch on this rig. It might be noted that the monitor switch (next to the PTT switch) uses the same switch and can be used as a replacement...if desired.

73, Norman
KH6R   (808) 668-3087

```
From -8692863480547598631
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2a6641f1d06ce26
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-06 05:56:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9005060703.AA12026@ucbvax.Berkeley.EDU>
Date: 5 May 90 20:53:07 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 384
Posted: Sat May  5 21:53:07 1990
```

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #693 -
Alouette 1
1 00424U 62B-A  1 90122.60843781  .00000362  00000-0  42304-3 0  3228
2 00424  80.4658 331.0160 0024318  30.8943 329.3619 13.67340481376468
ATS 3
1 03029U 67111  A 90 98.80327994 -.00000102  00000-0  99999-4 0  3715
2 03029  13.1147  21.8007 0013799 220.0851 141.0844  1.00334296 82109
Cosmos 398
1 04966U 71 16  A 90123.97977836  .00077458  17374-4  43669-3 0  8404
2 04966  51.5171 349.4485 2307008  64.2148 317.8185 10.98517045586821
Starlette
1 07646U 75010  A 90117.67638898 -.00000070  00000-0 -72877-5 0   715
2 07646  49.8279 357.7942 0205978  24.3724 336.6732 13.82135599768797
```

```
LAGEOS
1 08820U 76039  A 90117.21641459  .00000002  00000-0  00000 0 0   715
2 08820 109.8549 337.6721 0044572 249.3013 110.3003  6.38664311 70686
GPS-0001
1 10684U 78020  A 90122.06400267  .00000008  00000-0  99999-4 0  4256
2 10684  63.7068  90.9763 0115879 199.3572 160.1908  2.00557774 74926
GPS-0002
1 10893U 78 47  A 90123.53331051 -.00000025  00000-0  00000 0 0  1767
2 10893  64.4045 331.7983 0164018  26.1366 334.7160  2.00546915 87779
SeaSat 1
1 10967U 78064  A 90124.07689042  .00001659  00000-0  61713-3 0  3255
2 10967 108.0108 229.1285 0002377 285.1887  74.8925 14.35626682620129
GPS-0003
1 11054U          90114.85145268 -.00000025                   0  2208
2 11054  63.9265 328.3692 0059289 117.3760 243.8483  2.00567037 84616
Nimbus 7
1 11080U 78098  A 90120.72397049  .00000281  00000-0  28342-3 0  6726
2 11080  99.1970  26.7190 0008358 206.9812 153.0893 13.83426883581474
GPS-0004
1 11141U 78112  A 90120.43278518  .00000008  00000-0  00000 0 0  3741
2 11141  63.6887  90.9176 0060601 316.4886  43.0087  2.00559307 83429
GPS-0005
1 11690U 80 11  A 90108.60679715  .00000009  00000-0  00000 0 0  9253
2 11690  64.1815  93.3452 0113493 204.2889 155.1592  2.00556558 89049
GPS-0006
1 11783U 80 32  A 90123.37475127 -.00000024  00000-0  00000 0 0  1284
2 11783  63.7120 327.6622 0149676  60.5203 301.0320  2.00561023 73422
GOES 5
1 12472U 81049  A 90120.83182911 -.00000208  00000-0  99999-4 0  9274
2 12472   3.3073  79.7329 0206217  47.9632 313.7532  1.00218467 31771
DE 1
1 12624U 81 70  A 90123.03564986  .00006636  00000-0  34066-1 0  4285
2 12624  89.0132 148.3209 6205283 297.2926  12.8444  3.51035874260535
SME
1 12887U 81100  A 90123.76637050  .00031017  00000-0  60098-3 0  6338
2 12887  97.6396 168.6085 0002236 121.5142 238.6291 15.47653191474391
Salyut 7
1 13138U 82 33  A 90123.02659669  .00028276  00000-0  33943-3 0  2364
2 13138  51.6023 172.3466 0002114  35.4578 324.6077 15.60660303457795
Cosmos 1383
1 13301U 82 66  A 90123.04307206  .00000177  00000-0  19668-3 0  5722
2 13301  82.9340 333.8729 0026696 288.8952  70.9308 13.67823075391509
LandSat 4
1 13367U 82 72  A 90123.15102262 -.00000152  00000-0 -28750-4 0  3263
2 13367  98.1692 186.5541 0002165 281.2607  78.8389 14.57125812414746
IRAS
1 13777U 83  4  A 90122.35646873  .00000551  00000-0  40639-3 0  7710
2 13777  99.0307 319.8581 0012243 146.1983 213.9818 13.98786541 40530
Cosmos 1447
1 13916U 83 21  A 90121.22685591  .00000249  00000-0  25271-3 0  7224
2 13916  82.9417  46.7705 0036841 272.1903  87.5036 13.74035784356227
TDRS 1
1 13969U 83 26  B 90123.04309012  .00000129  00000-0  99999-4 0  9745
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2 13969   4.3580  66.3682 0001852 301.7981  58.1483  1.00245946 92625
GOES 6
1 14050U 83 41  A 90122.98497244  .00000122  00000-0  99999-4 0  1735
2 14050   2.1164  78.7248 0003071 234.9925 125.0167  1.00273126  9819
OSCAR 10
1 14129U 83 58  B 90120.68709020 -.00000069  00000-0  00000 0 0  5211
2 14129  25.9692 206.5754 5971987 139.0605 286.0148  2.05882161 23750
GPS-0008
1 14189U 83 72  A 90122.93795877  .00000007  00000-0  99999-4 0  7569
2 14189  63.3228  89.3184 0148284 219.0061 139.8950  2.00707037 49855
LandSat 5
1 14780U 84 21  A 90123.72722193 -.00006966  00000-0 -15455-2 0  1828
2 14780  98.2068 184.4527 0001921  73.1444 287.0083 14.57076445328242
UoSat 2
1 14781U 84 21  B 90123.63419063  .00003095  00000-0  58161-3 0  7251
2 14781  97.9558 177.6394 0014296  29.0619 331.1214 14.65293925329445
GPS-0009
1 15039U 84 59  A 90123.52277677  .00000006  00000-0  00000 0 0  9256
2 15039  63.0926  88.4057 0023707 239.5411 120.4219  2.00617525 43141
Cosmos 1574
1 15055U 84 62  A 90119.97515335  .00000207  00000-0  21147-3 0  8710
2 15055  82.9559  97.8543 0028942  94.9245 265.5222 13.73348284293450
GPS-0010
1 15271U 84 97  A 90119.93345199 -.00000025  00000-0  00000 0 0  8263
2 15271  63.2350 327.3724 0105963 326.5625  32.8036  2.00574262 40181
Cosmos 1602
1 15331U 84105  A 90123.26273688  .00004746  00000-0  65256-3 0  2809
2 15331  82.5384  42.5393 0024501 115.2333 245.1330 14.77952933301452
NOAA 9
1 15427U 84123  A 90123.07462031  .00000711  00000-0  40504-3 0  5738
2 15427  99.1685 121.8593 0015910 132.6854 227.5656 14.12552271277619
Cosmos 1686
1 16095U 85 86  A 90123.79498517  .00055493  00000-0  65687-3 0  6249
2 16095  51.5982 168.4841 0003132  23.8892 336.1828 15.60702925259011
GPS-0011
1 16129U 85 93  A 90123.60166656  .00000007  00000-0  00000 0 0  5245
2 16129  63.8503  89.4048 0122634 149.5069 211.1867  2.00510470 33462
Mir
1 16609U 86 17  A 90123.25182427  .00080818  00000-0  10336-2 0  6357
2 16609  51.6173 196.9391 0011397 238.9344 121.1678 15.58437092241084
SPOT 1
1 16613U 86 19  A 90123.18922483  .00000175  00000-0  10007-3 0  9302
2 16613  98.7345 198.2074 0000839  37.6391 322.4779 14.20044189 57543
Cosmos 1766
1 16881U 86 55  A 90123.91931946  .00003312  00000-0  46053-3 0  9805
2 16881  82.5211 101.0355 0022013 129.2074 231.1064 14.77431807202613
EGP
1 16908U 86 61  A 90117.80270731 -.00000047  00000-0 -56616-4 0  2210
2 16908  50.0085  50.8868 0011721  66.2389 293.9677 12.44386374168588
NOAA 10
1 16969U 86 73  A 90123.29417257  .00001076  00000-0  48872-3 0  4235
2 16969  98.6054 152.2429 0014495  43.3384 316.8928 14.23586727188221
MOS-1
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1 17527U 87 18  A 90123.23954317  .00000040  00000-0  43417-4 0  5291
2 17527  99.1099 196.3644 0000694 111.0710 249.0496 13.94867687162994
GOES 7
1 17561U 87 22  A 90121.68822209 -.00000055  00000-0  99999-4 0  5276
2 17561   0.0499 277.7710 0006685 123.5917 318.8084  1.00300087  4957
Kvant-1
1 17845U 87 30  A 90123.76474730  .00110598  00000-0  14062-2 0  1267
2 17845  51.6126 194.3730 0011064 243.4407 116.2266 15.58455411177212
DMSP B5D2-3
1 18123U 87 53  A 90123.19287485  .00001172  00000-0  63580-3 0  5742
2 18123  98.8208 314.3988 0014920 147.3279 212.8820 14.14010823148041
RS-10/11
1 18129U 87 54  A 90123.83032485  .00000025  00000-0  20926-4 0  1782
2 18129  82.9291   1.3024 0010324 240.2273 119.7856 13.72084548143360
Meteor 2-16
1 18312U 87 68  A 90120.02150411  .00000219  00000-0  18868-3 0  4216
2 18312  82.5604 328.4828 0013682  32.8256 327.3762 13.83639406136321
Meteor 2-17
1 18820U 88  5  A 90120.34912288  .00000526  00000-0  46091-3 0  2718
2 18820  82.5404  28.4841 0018103  97.7110 262.6131 13.84331861113564
DMSP B5D2-4
1 18822U 88  6  A 90123.15159845  .00001224  00000-0  57707-3 0  4742
2 18822  98.6548   3.1051 0007685  46.0584 314.1223 14.21416288116423
AO-13
1 19216U 88 51  B 90120.10084605 -.00000122  00000-0  99999-4 0  1220
2 19216  57.0709 157.4258 6939931 226.1208  50.2013  2.09703206 14399
OKEAN 1
1 19274U 88 56  A 90123.82279741  .00001408  00000-0  19668-3 0  7786
2 19274  82.5181 199.7507 0020436 267.2221  92.6574 14.76867830 98375
Meteor 3-2
1 19336U 88 64  A 90123.59221715  .00000391  00000-0  99999-3 0  4755
2 19336  82.5270 308.9599 0019132  59.2964 300.9920 13.16891172 85085
NOAA 11
1 19531U 88 89  A 90122.09460767  .00000769  00000-0  44377-3 0  2730
2 19531  98.9789  70.3601 0013154  57.0470 303.1958 14.11575632 82469
TDRS 2
1 19548U 88 91  B 90122.86902574  .00000109  00000-0  99999-4 0  1225
2 19548   0.0198 179.4030 0003266 252.7651 287.8809  1.00213328  4989
Cosmos 2001
1 19796U 89 11  A 90122.83049642 -.00001033  00000-0  99999-4 0  4601
2 19796  63.1513  98.6564 7108008 319.9106   5.0332  2.00597212  8890
GPS BII-01
1 19802U 89 13  A 90123.59427135  .00000016  00000-0  99999-4 0  1226
2 19802  55.0640 199.1826 0057377 161.5314 198.7239  2.00562801  8852
Akebono
1 19822U 89 16  A 90123.70540616  .00020960  00000-0  15139-2 0  5837
2 19822  75.1135 260.4993 4189366 250.1419  60.8010  7.08224656 30275
Meteor 2-18
1 19851U 89 18  A 90123.05534771  .00000189  00000-0  16080-3 0  2222
2 19851  82.5183 264.4128 0015224 127.7028 232.5515 13.83962904 59328
TDRS 3
1 19883U 89 21  B 90122.50231026 -.00000235  00000-0  99999-4 0  1242
2 19883   0.0121 329.3754 0001054 289.0258 101.6376  1.00270904  3439
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1 20061U 89 44  A 90123.27937764 -.00000032  00000-0  00000 0 0  1227
2 20061  54.6562  17.6862 0082385 172.9697 187.1647  2.00561456  6599
Nadezhda 1
1 20103U 89 50  A 90110.04342582  .00000123  00000-0  11985-3 0   957
2 20103  82.9596 327.8684 0036663 198.4669 161.5161 13.73580821 39733
GPS BII-03
1 20185U 89 64  A 90119.75847309  .00000016  00000-0  99999-4 0  1219
2 20185  54.9663 200.1934 0044416 135.4579 224.9552  2.00568291  5099
Activnyi
1 20261U 89 80  A 90122.98690294  .00000773  00000-0  23939-3 0  4831
2 20261  82.5912 257.2515 1258836  80.6148 293.4772 12.43650822 26978
Activnyi RB
1 20262U 89 80  C 90122.85360099  .00001737  00000-0  54213-3 0  2248
2 20262  82.5938 257.3634 1261801  81.0075 293.1289 12.43164531 26955
Magion 2
1 20281U 89 80  B 90123.04529355  .00001758  00000-0  54675-3 0  4835
2 20281  82.5900 257.1583 1258641  80.3748 293.6924 12.43885063 26987
GPS BII-04
1 20302U 89 85  A 90117.50827118 -.00000029  00000-0  99999-4 0  1226
2 20302  54.6605 319.1298 0032212 317.6710  42.0967  2.00377042  3852
Meteor 3-3
1 20305U          90119.40317399 0.00000063           14900-3 0  1229
2 20305  82.5458 252.3905 0017278  89.0980 271.2129 13.15856016 24533
COBE
1 20322U 89 89  A 90122.52928375  .00004677  00000-0  30893-2 0  1236
2 20322  99.0174 133.2114 0008584 128.0975 232.0918 14.01966794 23099
Kvant-2
1 20335U 89 93  A 90123.76475968  .00121366  00000-0  15395-2 0  2244
2 20335  51.6155 194.3591 0011809 238.3884 121.3698 15.58461046 24810
GPS BII-05
1 20361U 89 97  A 90118.77983317  .00000015  00000-0  99999-4 0   737
2 20361  54.9715 142.2833 0058281  51.3734 309.2171  2.00578464  2736
SPOT 2
1 20436U 90  5  A 90123.22461809 -.00000068  00000-0 -23195-4 0  1796
2 20436  98.7349 198.2940 0001254 104.8166 255.3077 14.20019291 14360
UO-14
1 20437U 90  5  B 90123.84228150 -.00006925  00000-0 -27571-2 0  1276
2 20437  98.7071 200.0803 0010295 283.2031  76.7741 14.28572559 14532
UO-15
1 20438U 90  5  C 90122.87765867  .00000416  00000-0  18272-3 0   769
2 20438  98.7022 199.1063 0009859 291.3172  68.6956 14.28348636 14394
PACSAT
1 20439U 90  5  D 90123.06498864  .00000610  00000-0  25869-3 0   735
2 20439  98.7037 199.3696 0010642 290.0196  69.9839 14.28696641 14429
DO-17
1 20440U 90  5  E 90122.43216607  .00001059  00000-0  43654-3 0   729
2 20440  98.7050 198.7437 0010811 293.1027  66.8983 14.28740642 14334
WO-18
1 20441U 90  5  F 90122.49449625  .00000935  00000-0  38618-3 0   720
2 20441  98.7046 198.8173 0011385 294.1113  65.8874 14.28842306 14341
LO-19
1 20442U 90  5  G 90122.06957788  .00000965  00000-0  39769-3 0   730
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2 20442  98.7055 198.4074 0012078 293.8972  66.0940 14.28910261 14283
GPS BII-06
1 20452U 90  8  A 90120.95426063  .00000000  00000-0  99999-4 0   717
2 20452  54.5996 257.8970 0030859  43.0656 317.1470  2.00877255  1897
MOS-1B
1 20478U 90 13  A 90123.05056882  .00000607  00000-0  47857-3 0  2331
2 20478  99.1902 193.4552 0001362 129.0929 231.0473 13.94824315 11840
FO-20
1 20480U 90 13  C 90123.02251318  .00000358  00000-0  85342-3 0   727
2 20480  99.0440 178.0518 0541653 150.7938 212.4662 12.83133392 10952
1990 013D
1 20491U          90116.13925673 0.00000564           11082-2 0   718
2 20491  99.0470 174.6675 0471570 153.0728 209.5717 13.02737081  9623
Soyuz TM-9
1 20494U 90 14  A 90123.95711867  .00113092  00000-0  14366-2 0  1240
2 20494  51.6203 193.4041 0010577 244.9515 114.7182 15.58475204 12761
LACE
1 20496U 90 15  A 90123.62855114  .00008124  00000-0  50216-3 0  1290
2 20496  43.0953 207.4331 0012384  66.2306 293.9581 15.10101485 11788
RME
1 20497U 90 15  B 90123.55396743  .00011853  00000-0  34705-3 0  1323
2 20497  43.1068 192.1883 0012318  53.3493 306.8411 15.35149171 11978
Nadezhda 2
1 20508U 90 17  A 90120.06685682  .00000254  00000-0  26152-3 0   716
2 20508  82.9510  95.3881 0046254 118.9413 241.6375 13.73204051  8400
OKEAN 2
1 20510U 90 18  A 90123.84056236  .00001327  00000-0  20279-3 0  1285
2 20510  82.5244 138.5600 0021799  61.0052 299.3207 14.73010320  9541
INTELSAT-6
1 20523U 90 21  A 90123.81338124  .00042234  00000-0  30157-2 0  1309
2 20523  28.3478 194.6390 0016454  65.5590 294.6268 15.03134611  7760
Cosmos 2060
1 20525U 90 22  A 90116.74325817  .00006881  00000-0  11809-3 0  1224
2 20525  65.0254 293.0192 0009915 265.8547  94.0928 15.51981409  6691
Cosmos 2061
1 20527U          90110.23391170 0.00000127           12989-3 0   209
2 20527  82.9406 188.7193 0030435 184.8026 175.2840 13.71244824  4285
1990 023B
1 20528U 90 23  B 90116.25209824  .00000318  00000-0  33441-3 0   711
2 20528  82.9402 184.2292 0025359 154.1527 206.0898 13.72643528  5101
GPS BII-07
1 20533U 90 25  A 90121.04701449 -.00000032  00000-0  00000 0 0   425
2 20533  55.0509  17.8427 0033474 100.7629 259.6508  2.00592729   656
1990 025C
1 20535U 90 25  C 90119.93776890  .00236304  16509-4  17720-2 0   779
2 20535  37.5934 350.2506 5957213 233.0842  56.2815  4.22207149  1462
1990 026A
1 20536U 90 26  A 90122.10370766 -.00001185  00000-0  99999-4 0   780
2 20536  62.9350  19.4659 7361653 318.4665   4.7275  2.00601511   721
1990 026D
1 20539U 90 26  D 90123.19890815 -.00000836  00000-0  35903-4 0   467
2 20539  63.1476  18.9963 7337411 318.6473   4.7855  2.03011371   773
Offeq 2
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1 20540U 90 27  A 90124.02019390  .00475468 -13921-4  12735-2 0   894
2 20540 143.1913 263.1658 0812721 288.6637  62.7878 14.32950404  4337
1990 027B
1 20541U 90 27  B 90123.04805883  .00708832 -16106-4  16657-2 0   794
2 20541 143.1984 260.2975 0736069 284.9261  66.9139 14.51751386  4221
PegSat
1 20546U 90 28  A 90123.59786235  .00005023  00000-0  31921-3 0   783
2 20546  94.1216 191.4250 0154451 131.9372 229.5124 14.99537240  4159
1990 028B
1 20547U 90 28  B 90122.74447785  .00003392  00000-0  26009-3 0   760
2 20547  94.1448 191.0320 0130894 131.0001 230.2685 14.95392931  4025
Cosmos 2064
1 20549U          90116.01026782 0.00000057           43968-3 0   404
2 20549  73.9807 224.1524 0017296 242.0227 117.9069 12.47018719  2487
Cosmos 2065
1 20550U 90 29  B 90123.10692118 -.00000007  00000-0  00000 0 0   410
2 20550  73.9831 214.6497 0008708 267.9873  92.0182 12.48998567  3377
Cosmos 2066
1 20551U          90115.81425470 -.00000007                    0   403
2 20551  73.9816 223.8136 0049303  55.5001 305.0697 12.59478807  2484
Cosmos 2067
1 20552U          90116.00096998 -.00000007                    0   405
2 20552  73.9808 223.6499 0039668  63.6918 296.8202 12.57707620  2504
Cosmos 2068
1 20553U          90116.10683679 -.00000007                    0   405
2 20553  73.9825 223.5724 0030768  57.5033 302.8992 12.56043351  2514
Cosmos 2069
1 20554U          90116.05451226 -.00000006                    0   400
2 20554  73.9822 223.7680 0021679  55.3317 304.9776 12.54315162  2509
Cosmos 2070
1 20555U 90 29  G 90120.39446764 -.00000024  00000-0 -11083-3 0   414
2 20555  73.9810 218.0025 0013351  33.6226 326.5671 12.52583315  3042
Cosmos 2071
1 20556U          90116.11146780 -.00000006                    0   405
2 20556  73.9812 223.8670 0002499  64.6070 295.5240 12.50727511  2500
1990 029J
1 20557U 90 29  J 90122.70329070  .00001049  00000-0  95280-2 0   453
2 20557  73.9852 216.8636 0148428 234.1468 124.5703 12.22657531  3258
AsiaSat-1
1 20558U 90 30  A 90118.10702338 -.00000306  00000-0  99999-4 0   434
2 20558   0.1484 304.1688 0000300 214.8139 201.0181  1.00269829   235
1990 030B
1 20559U 90 30  B 90123.37630193  .00016701  00000-0  55540-2 0   458
2 20559  31.2506  14.7032 7321258 192.9662 124.9166  2.22754442   584
Cosmos 2072
1 20568U 90 33  A 90123.01682695  .00280613  42417-4  34045-3 0   877
2 20568  64.7609  89.3863 0039544  81.1683 279.4044 16.06170169  3093
Palapa-B2R
1 20570U 90 34  A 90121.06453170 -.00000335  00000-0  99999-4 0   452
2 20570   0.0437 321.0004 0027209 173.2788 225.9360  1.00274653   135
1990 034B
1 20571U 90 34  B 90123.62917983  .00002487  00000-0  42190-3 0   464
2 20571  22.7608 242.7104 0628522   1.2691 358.9245 13.82037719  2724
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1990 034C
1 20572U 90 34  C 90119.37076817  .00052024  00000-0  58137-2 0   452
2 20572  18.9104 354.1670 7384465 189.4385 136.6721  2.17332807   337
Cosmos 2074
1 20577U 90 36  A 90120.37918530  .00000244  00000-0  24880-3 0   410
2 20577  82.9454 149.8755 0025582 262.6178  97.2106 13.73709349  1314
1990 036B
1 20578U 90 36  B 90123.06252700  .00000321  00000-0  32482-3 0   480
2 20578  82.9423 147.8765 0018514 239.3207 120.6125 13.75016174  1682
HST
1 20580U          90123.38473101  .00002613  00000-0  28943-3 0   472
2 20580  28.4684 174.5462 0005255  27.9918 332.0948 14.84158644  1310
Cosmos 2075
1 20581U 90 38  A 90123.02460804  .00009411  00000-0  40692-3 0   557
2 20581  74.0251  40.7204 0022372 326.9451  33.0511 15.22334411  1145
1990 038B
1 20582U 90 38  B 90123.73947571  .00011770  00000-0  48518-3 0   553
2 20582  74.0300  39.1804 0027129 338.0631  21.9406 15.23784654  1258
Molniya1-77
1 20583U 90 39  A 90123.22545298  .00000043  00000-0  99999-4 0   538
2 20583  62.7893 187.0528 7362052 288.1998   9.5247  2.00771677   156
1990 039B
1 20584U 90 39  B 90123.08934191  .00598148  89505-5  11889-2 0   571
2 20584  62.7776 162.1295 0222894 122.7912 239.4940 15.68135583  1099
1990 039C
1 20585U 90 39  C 90123.06005509  .00723360  36027-4  96108-3 0   543
2 20585  62.8211 162.3824 0279785 116.6852 246.4282 15.61318375  1093
1990 39D
1 20586U 90 39  D 90123.75555566  .00000464  00000-0 -18245-3 0    57
2 20586  62.8226 186.8883 7405301 288.1206   9.3057  1.96417526   148
Cosmos 2076
1 20596U 90 40  A 90122.97504858 -.00000146  00000-0  99999-4 0   122
2 20596  63.0226 339.1435 7371144 318.2501   4.6420  2.01929713    97
1990 40B
1 20597U 90 40  B 90124.05548805  .00606643  93782-5  11921-2 0   195
2 20597  62.8216 319.6441 0255940 118.7987 243.9106 15.61423167   869
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1 20598U 90 40  C 90124.02528178  .01702222  37133-4  11390-2 0   226
2 20598  62.8580 319.4128 0249818 123.1757 239.3725 15.75365047   869
1990 40D
1 20599U 90 40  D 90122.95795911  .00001083  00000-0  93857-2 0   120
2 20599  63.1506 338.8549 7356890 318.3777   4.6550  2.03458890    90
```

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

```
From -7743484955391229318
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,da429e8f2bbe1106,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,da429e8f2bbe1106,start
X-Google-Attributes: gidfddbf,public
```

X-Google-Thread: f5cc0,da429e8f2bbe1106,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-05-06 10:20:16 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!zaphod.mps.ohio-state.edu!rpi!crdgw1!ge-dab!tarpit!peora!tsdiag!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,sci.space
Subject: * FULL SAREX DETAILS!! *
Keywords: Amateur Radio to Fly on STS-35!
Message-ID: <288@ka2qhd.UUCP>
Date: 6 May 90 17:20:16 GMT
Organization: KA2QHD PBBS SYSTEM, OCEAN NJ
Lines: 223
Xref: gmdzi rec.ham-radio:11338 rec.ham-radio.packet:2218 sci.space:12181
Posted: Sun May 6 18:20:16 1990

* STS-35 NEWS *

Highlighting mission STS-35, the 36th flight of the Space Shuttle and 10th mission of orbiter Columbia, will be around-the-clock observations by the seven-member crew using the ultraviolet astronomy observatory (Astro) and the Broad Band X-Ray Telescope (BBXRT). Both instruments are located in Columbia's payload bay and will be operated during 12-hour shifts by the crew.

Liftoff of the 10th flight of Columbia is scheduled for 12:45 a.m. EDT on May 17 from launch pad 39-A at the Kennedy Space Center, Fla. Columbia will be placed into a 218 statute (190 nautical) mile circular orbit, inclined 28.5 degrees to the equator. Nominal mission duration is expected to be 8 days 19 hours 55 minutes. Deorbit is planned on orbit 139, with landing scheduled for 8:40 p.m. EDT on May 25 at Edwards Air Force Base, Calif.

Columbia's middeck will carry the Shuttle Amateur Radio Experiment (SAREX) to communicate with amateur radio stations within line-of-sight of the orbiter in voice mode or data mode. This experiment has previously flown on STS-9 and STS-51F. Also on this mission, Columbia will function as the subject for ground sensor operations as part of the Air Force Maui Optical Site (AMOS) calibration test.

Commander of the seven-member crew is Vance Brand. Pilot is Guy Gardner. STS-35 is Brand's fourth trip to space. He previously flew on the Apollo-Soyuz Test

Project mission in 1975. He also commanded Shuttle missions STS-5 in November 1982 and STS-41B in February 1984. Gardner previously piloted STS-27 in December 1988.

Mission Specialists are Mike Lounge, Jeffrey Hoffman and Robert Parker. Lounge previously flew on STS-51I in August 1985 and STS-26 in September 1988. Hoffman flew as a Mission Specialist on STS-51D in April 1985. Parker's previous spaceflight experience was STS-9 in November 1983.

Payload Specialists Ronald Parise and Samuel Durrance round out the STS-35 crew. Both are making their first space flights.

* STS-35 QUICK LOOK *

Launch Date: May 17, 1990
Launch Window: 12:45 a.m. - 3:09 a.m. EDT
Launch Site: Kennedy Space Center, Fla.
Launch Complex 39-A
Orbiter: Columbia (OV-102)
Altitude: 218 statute miles (190 nm)
Inclination: 28.45
Duration: 8 days, 19 hours, 55 minutes
Landing Date/Time: May 25, 1990, 8:40 p.m. EDT

Primary Landing Site:
Edwards Air Force Base, Calif.

Abort Landing Sites:
Return to Launch Site -- Kennedy Space Center, Fla.
Trans-Atlantic Abort -- Banjul, The Gambia
Abort Once Around -- Edwards AFB, Calif.

Crew:
Vance D. Brand -- Commander Red/Blue Team
Guy S. Gardner -- Pilot -- Red Team
Jeffrey A. Hoffman -- Mission Specialist 1/EV -- Blue Team
John M. "Mike" Lounge -- Mission Specialist 2/EV2 -- Blue Team
Robert A.R. Parker -- Mission Specialist 3 -- Red Team
Samuel T. Durrance -- Payload Specialist 1 -- Blue Team
Ronald A. Parise -- Payload Specialist 2 -- Red Team

Red Team shift is approximately 10:30 p.m. -- 10:30 a.m. EDT
Blue Team shift is approximately 10:30 a.m. -- 10:30 p.m. EDT

Cargo Bay Payloads:
Ultraviolet Astronomy Telescope (Astro)
Broad Band X-Ray Telescope (BBXRT)

Middeck Payloads:
 Air Force Maui Optical Site (AMOS)
 Shuttle Amateur Radio Experiment (SAREX)

SHUTTLE AMATEUR RADIO EXPERIMENT (SAREX)

Conducting shortwave radio transmissions between ground-based amateur radio operators and a Shuttle-based amateur radio operator is the basis for the Shuttle Amateur Radio Experiment (SAREX).

SAREX communicates with amateur stations in line-of-sight of the orbiter in one of four transmission modes: voice, slow scan television (SSTV), data or (uplink only) fast scan television (FSTV).

The voice mode is operated in the attended mode while SSTV, data or FSTV can be operated in either attended or unattended modes.

During the mission, SAREX will be operated by Payload Specialist Ron Parise, a licensed operator (WA4SIR), during periods when he is not scheduled for orbiter or other payload activities. At least four transmissions will be made to test each transmission mode.

Ronald A. Parise, 38, also will serve as a Payload Specialist. Parise is a senior scientist in the Space Observatories Department, Computer Science Corporation in Silver Spring, Md. He is a member of the research team for the Ultraviolet Imaging Telescope, one of the instruments scheduled for flight as part of the Astro payload. He is from Warren, Ohio.

Parise has participated in flight hardware development, electronic system design and mission planning activities for the Ultraviolet Imaging Telescope project. He is pursuing his astronomical research interests with the International Ultraviolet Explorer satellite under a NASA grant.

He received a bachelor of science degree in physics, with minors in mathematics, astronomy and geology from Youngstown State University, Ohio, and a master of science degree and a doctor of philosophy degree in astronomy from the University of Florida.

The primary pair of frequencies intended for use during the mission is 145.55 MHz as the downlink from Columbia, with 144.95 MHz as the uplink. A spacing of 600 KHz was deliberately chosen for this primary pair to accommodate those whose split frequency capability is limited to the customary repeater offset.

SAREX crew-tended operating times will be dictated by the time of launch. As a secondary payload, SAREX will be operated by Parise during his pre- and post-sleep activities each day. This means that wherever the Shuttle is above Earth during those operating windows, amateur stations can communicate with Columbia. Currently, those windows provide coverage for Australia, Japan, South America and South Africa.

The continental United States has little or no coverage except through a network of ground stations in other parts of the world in conjunction with relay links back to the United States.

Another part of the SAREX is the "robot," providing an automated operation which can proceed with little human intervention. The robot will generally be activated during one of the crew-tended windows and deactivated during the next one. This gives approximately 12 hours on and 12 hours off for the robot, with the operational period chosen to cover all of the U.S. passes.

SAREX has previously flown on missions STS-9 and STS-51F in different configurations, including the following hardware: a low-power hand-held FM transceiver, a spare battery set, an interface (I/F) module, a headset assembly, an equipment assembly cabinet, a television camera and monitor, a payload general support computer (PGSC) and an antenna which will be mounted in a forward flight window with a fast scan television (FSTV) module added to the assembly.

Antenna location does not affect communications and therefore does not require a specific orbiter attitude for operations. The equipment is stowed in one middeck locker.

SAREX is a joint effort of NASA and the American Radio Relay League (ARRL)/Amateur Radio Satellite Corporation (AMSAT).

STS-35 COLUMBIA SAREX FREQUENCIES

	Shuttle Transmit Frequency	Accompanying Shuttle Receive Frequencies
Group 1	145.55 MHz	144.95 MHz
	145.55	144.91
	145.55	144.97

Group 2	145.51	144.91
	145.51	144.93
	145.51	144.99
Group 3	145.59	144.99
	145.59	144.95
Group 4	145.55	144.95
	145.55	144.70
	145.55	144.75
	145.55	144.80
	145.55	144.85

Note: The 145.55/144.95 combination is in both Groups 1 and 4 because alternate uplink frequencies from Group 1 would be used over North and South America while those from Group 4 would be used generally in other parts of the world.

--
AMPR : KD2BD @ NN2Z (Neptune, NJ)
UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
"For every problem, there is one solution which is simple,
neat and wrong." -- H.L. Mencken

From 2229752893641589367
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6762b6a3d6aed54e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-06 15:47:28 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ames!eos!shelby!lindy!paulf@jessica.Stanford.EDU
From: paulf@jessica.Stanford.EDU (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: MFJ 1278 Multilevel Fax Format and notes
Message-ID: <9334@lindy.Stanford.EDU>
Date: 6 May 90 20:31:43 GMT
Sender: root@lindy.Stanford.EDU (Rooter)
Reply-To: paulf@jessica.Stanford.EDU (Paul Flaherty)
Organization: The Three Packeteers
Lines: 29
Posted: Sun May 6 21:31:43 1990

The MFJ 1278 8 level grayscale fax capability isn't terribly well documented (for that matter, even the 4 level docs are lousy). Here's some info for those of you who want to implement software:

1. Sync detect. At the beginning of a transmission, fax stations send about

20 lines of black ('o') with sync bars ('0'). The sync bars are roughly 14 characters (28 pixels) wide; I sync on the middle of the sync bars.

2. As one would expect, data is packed two pixels per byte, offset by 48d.

3. Assuming that you include the sync bars in the picture, the frame format is 607x1200 for WEFAX. Unfortunately, the clocking is a bit off, and you need to cut off one pixel at the end of every other line (eg, they're really sampling at a rate of 1215 pixels per second). The images are actually 600x600, so you need to compress the y-axis by a factor of 2.

4. Your software must be capable of an average throughput of 6kbps if you can do xon/xoff flow control, or minimum 6kbps without flow control. MacKermit, for example, can keep up, but only if you have xon-xoff flow control set.

5. The results are well worth it. I have some sat pix that I've downloaded and converted to GIF using pbmplus and some simple routines I've written; the quality is far better than commercial wxfax marine units. It works suprisingly well even in a fading environment.

-=Paul Flaherty, N9FZX/VK2WYX | "Unix could use a more user-friendly front
->paulf@shasta.Stanford.EDU | end. Does anyone have a card punch handy?"

From 8542546261092175536
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a04655f159d8cb9e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-06 21:02:22 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!pvh
From: pvh@Apple.COM (Pete Helme)
Newsgroups: rec.ham-radio
Subject: Kenwood TH-75A mods
Message-ID: <40771@apple.Apple.COM>
Date: 7 May 90 03:35:01 GMT
Organization: Apple Computer Inc., Cupertino, CA
Lines: 6
Posted: Mon May 7 04:35:01 1990

Could someone please send me the details on how to modify the Kenwood TH-75A dual band radio for out of band receive etc.?

Thanks,

Pete

From 8039718572460550586
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e25a4c2448447fb5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-02 19:05:26 PST

Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!purdue!haven!umbc3!battle
From: battle@umbc3.UMBC.EDU (Rick)
Newsgroups: rec.ham-radio
Subject: Re: Dayton-- Good Show!
Message-ID: <3245@umbc3.UMBC.EDU>
Date: 2 May 90 19:46:07 GMT
References: <43580@iuvax.cs.indiana.edu>
Reply-To: battle@umbc3.umbc.edu.UMBC.EDU (Rick)
Organization: University of Maryland, Baltimore County
Lines: 29
Posted: Wed May 2 20:46:07 1990

In article <43580@iuvax.cs.indiana.edu> commgrp@silver.ucs.indiana.edu (BACS Data Communications Group) writes:

>
>Having complained about sanitation at the Dayton Hamvention in the
>past, I must say that this year they appeared to have made a major and
>successful effort to remove trash and maintain the portable outhouses.
>All in all, I had a fine time in Dayton. Thanks, DARA!
>
>This year I remembered to carry a pedometer. I spent all of Friday
>and Saturday at the Hamvention, and did the Air Force Museum on
>Sunday. The weekend total hike was 18.2 mi.
>

I had a great time. The exhibits were first class. I spoke to several designers from Cushcraft and Hygain. This was very useful since I have antennas from each and had some questions. Also, every linear manufacture except was Henry (boo) was there with the top off so you could see the innards. Great to compare band switches, coils, cooling, plate chokes, etc. No unanswered questions!

The DSP stuff from PAC COM and AEA went over like a lead baloon to the masses. No surprise there.

The flea market was real interesting. Some real good buys if YOU KNEW WHAT YOU WERE LOOKING FOR. A great job by the sponsors. Thanks to them for a super HamVention.

PS. I walked my self to death, If you plan to go next year do some walking to get ready!

bye...

From 8392524351573906803
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7d0bf423fce7138
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,b7d0bf423fce7138
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-05-02 19:45:50 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!

```
brutus.cs.uiuc.edu!apple!uokmax!michaelt
From: michaelt@uokmax.uucp (Michael Dean Thompson)
Newsgroups: rec.ham-radio,sci.space
Subject: Re: * SpaceNews  30-Apr-90 *
Keywords: Amateur Satellite News
Message-ID: <1990May2.215615.6943@uokmax.uucp>
Date: 2 May 90 21:56:15 GMT
References: <283@ka2qhd.UUCP>
Organization: Engineering Computer Network, University of Oklahoma, Norman, OK
Lines: 21
Xref: gmdzi rec.ham-radio:11194 sci.space:11996
Posted: Wed May  2 22:56:15 1990
```

In article <283@ka2qhd.UUCP> kd2bd@ka2qhd.UUCP (John Magliacane) writes:

```
>
>
>* STS-31 NEWS *
>===============
>Mike (WD8KPZ) of Phoenix, Arizona reported hearing space shuttle astronaut
>communications on a frequency of 279.000 MHz AM during their EVA during the
>deployment of the Hubble Space Telescope.
>
>Mike used an Icom R-7000 receiver and a quarter-wave ground plane antenna at
>an altitude of 15 feet to receive the astronauts.
```

When I watched the deployment of the Hubble, I never remember Bruce or Kathy being let out of the airlock. So when was this EVA? (I'm sure Bruce would like to know :-))

```
--
          michaelt@uokmax.ecn.uoknor.edu
     "I don't know...I can imagine quite a bit..."
                              H. Solo
```

```
From 7094818735325952169
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4623dc39f68e3df
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-02 20:44:11 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: The Black Hole Effect
Summary: Magnetic North, Iron Mines
Keywords: Life where the band is dead...
Message-ID: <135@bongo.UUCP>
Date: 3 May 90 03:44:11 GMT
References: <1990Apr25.100922.18002@lopez.UUCP>
Organization: The Hole in the Wall  Hollywood California U.S.A.
Lines: 56
Posted: Thu May  3 04:44:11 1990
```

This is a repost from April 26. Somehow I think my earlier posting died:

In article <1990Apr25.100922.18002@lopez.UUCP>, flash@lopez.UUCP (Gary Bourgois) writes:

> I live in Marquette Michigan, the land that time forgot. It is not the end of the world, but you can SEE it from here.
>
> I would like to tell you about the BLACK HOLE EFFECT, a phrase I coined about 20 years ago when I was a very new ham, and a seasoned SWL. Now I am an old timer at both hobbies, have solved a lot of mysteries along the way, and would like to share my ideas on the Black Hole Effect with others on the net, and see if anyone else experiences it, or if I am the Lone Ranger....
>
> Pertinent Details:
>
> Marquette is at 47 degrees North Latitude. The city is on the shore of Lake Superior, the DEEPEST Largest coldest fresh water lake on this fair planet.
>
> Marquette is on the Mesabbe Iron Range, the LARGEST single deposit of Iron Ore on this fair planet.
>
> Marquette is a place where WEIRD things happen with Radio Signals.

Well first of all 47 Degrees is not all that far North. It is about the same latitude as Nantes France. It is south of London, Berlin, Copenhagen, Warsaw, Den Hague (That's enough dreary capitals -Ed). But the question I suppose should really be, how far North is it from the "Magnetic Equator." I dimly recall that a stations position relative to the magnetic equator is important vis-a-vis Aurora and HF propagation.

But first, lets assume that Marquette is in Aurora Country and is also sitting on top of a fair amount of iron ore. There is a similar location in Sweden. The world's "largest city" (in square kilometers of desolate Tundra) is Kiruna. It is also an enormous iron mine. Hams there should experience the same phenomenon as Gary.

I remember in the seventies hearing a second hand story that DX was pretty bad off the Southern Tip of Sweden (Ystad, Trelleborg) because there were massive Iron deposits just offshore. The story involved not getting out and not hearing too well. Southern Sweden does get a few Auroras also.

No good answers I'm afraid, but certainly some points of reference and comparison. All we need now is a report from Kiruna.

Note: Marquette is about 47 degs North, Helsinki - 60 degs North and Kiruna - 68 degs North.
--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From 8373431050809200592
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e25a4c2448447fb5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-02 22:55:13 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!usc!apple!pvh
From: pvh@Apple.COM (Pete Helme)
Newsgroups: rec.ham-radio
Subject: Re: Dayton-- Good Show!
Message-ID: <40700@apple.Apple.COM>
Date: 3 May 90 02:33:51 GMT
References: <43580@iuvax.cs.indiana.edu> <3245@umbc3.UMBC.EDU>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 2
Posted: Thu May 3 03:33:51 1990

Did Heath Electronics and/or Standard have a booth there?

From -443444417458839351
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a411ec401c4181d1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 00:50:09 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: ARF Schmidling APOLOGY
Keywords: ARF antisemitism apology schmidling
Message-ID: <9eZJi1w161w@w8grt.fidonet.org>
Date: 2 May 90 16:53:07 GMT
References: <697@idacrd.UUCP>
Organization: QRV de W8GRT
Lines: 24
Posted: Wed May 2 17:53:07 1990

mac@idacrd.UUCP (Robert McGwier) writes:

>
> Howdy:
>
> Jack Schmidling sent me the following note. Needless to say, I do not

I'm favorably impressed by his apology. I hope he reads this.

> subscribe to his views. I believe that ARF is damaging to amateur radio
> as antisemitism is encouraged even if he himself is not antisemitic as
> he says below. He is not, as he says, responsible for the views held
> by others. He is responsible for giving them a forum to unleash THEIR
> `hate mongering.'  I do not know how many of you are aware of the `audio'

There is the legal principle of the 'attractive nuisance', but I'll let it ride. I agree that one of the gravest threats to ham radio today is the reflection of the general societal mania for running one's individual rights into the ground to the point that society at large suffers.

Each period in history acquires it's own nickname. The Victorian period, the Edwardian, the Flapper, the Baby Boom, etc. This, I fear, will be the "Me first; f*** you!" Age. Too bad. Among other things it's going to kill off a nice hobby if we're not careful.

From -1505765693721688405
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6411453159dc7dc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 01:22:45 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!OAC.UCLA.EDU!CSMSCST
From: CSMSCST@OAC.UCLA.EDU (Chris Thomas, AA6SQ)
Newsgroups: rec.ham-radio
Subject: Re: CW Programs
Message-ID: <9005030703.AA18211@ucbvax.Berkeley.EDU>
Date: 2 May 90 15:16:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Wed May 2 16:16:00 1990

I strongly recommend the program sold by the ARRL and advertised in QST. It is written by (and also sold by) GGTE. It has the best simulated QSO's of any program I've seen. It does excellent randomization of names, QTHs, occupations, etc.   After using it nightly for a couple of months, it was still coming up with stuff I hadn't heard before. It does Farsnworth spacing. I've considered using it to generate tapes for VE exams.

From -4589231607821863351
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,24da1f4443a63ca0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 01:22:47 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!OAC.UCLA.EDU!CSMSCST
From: CSMSCST@OAC.UCLA.EDU (Chris Thomas, AA6SQ)

Newsgroups: rec.ham-radio
Subject: QSL route for AH3C
Message-ID: <9005030703.AA18274@ucbvax.Berkeley.EDU>
Date: 2 May 90 15:38:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6
Posted: Wed May 2 16:38:00 1990

QSL AH3C via K9UIY. If you worked him as AH3C/KH5J, qsl via
OH2BN. SASE required. (The /KH5J group worked 52,000 QSOs!
How'd you like to pay for 52,000 stamps? or fill out 52,000
cards. Ugh.) BTW, rumor is that they are applying to make
Jarvis a new DXCC country, separate from Palmyra Is. Nice if
you have both, like me.

From -5498136155036817852
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c543ed5a53588a44,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 01:23:22 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!GUNTER-ADAM.AF.MIL!ATISD-DOOI.XP
From: ATISD-DOOI.XP@GUNTER-ADAM.AF.MIL
Newsgroups: rec.ham-radio
Subject: Re: INFO-HAMS Digest V90 #460
Message-ID: <12586512149.18.ATISD-DOOI.XP@GUNTER-ADAM.AF.MIL>
Date: 2 May 90 17:36:13 GMT
References: <900502081511.V90N460@WSMR-SIMTEL20.ARMY.MIL>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Wed May 2 18:36:13 1990

********Status of TONO*********
Tono was owned by NEC...still is....they sold some of their gear via
Drake for a while , then sold some of their gear via HAL, but NEC
(Nippon Electric Company) is very much alive and well.
(((((((((((((((((((((((((((((73)))))))))))))))))))))))))))))))
Marv
WG4Q

From -4637760835688959234
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0e39b4d0480cff1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 01:23:31 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!sdd.hp.com!ucsd!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)

Newsgroups: rec.ham-radio
Subject: RE: Wanted CW training program
Message-ID: <9005021837.AA15382@ti.com>
Date: 2 May 90 18:24:36 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 41
Posted: Wed May 2 19:24:36 1990

> From: TILDE::"G4JJO.WBST207V@Xerox.COM" 1-MAY-1990 22:50:03.45
> Subj: Wanted CW training program
>
> Once again I have decided to improve my CW skills. This time intend to succeed and to help I would like to get a good PC training program. I have alredy looked at some and none of them do what I would like. I would really like a program whereby I can send individual characters at 20 WPM but spaced at some slower speed. This is how I got to 13 WPM by listening to the sound of the character, and then increasing the effective WPM. If anybody knows of such a programe please let me know.
> Thanks and 73's
>
> Geoff Williams

Geoff:

I believe SuperMorse will do just what you've asked for. It as individual settings for CHARACTER SPEED, WORD SPEED, and SENDING SPEED, to that you are in effect adjusting the inter-character and inter-word speeds.

I have used it with classes and to make tapes for individuals and code tests.

The latest version that I know of is 3.09 and it has built in training for new code learners, will send from disk files or the keyboard, will generate random groups or words from a word list, or generate exams.

You can obtain the (shareware) SuperMorse from a number of sources. It is on CompuServe, SimTel20, and many BBS systems around the country. I can send you a copy for trade of a blank diskette, or you can write to the developer directly.

The developer is:
WD5CID, Lee Murrah, 10 Cottage Grove Woods, S.E., Cedar Rapids, IA 52403
*** NOTE: his - suggested Shareware contribution is $15 ***

73, and good luck!
Bob West WA8YCD
P. O. Box 863069
Plano, Texas 75086

RLWEST@FLOPN2.CSC.TI.COM

From 2632829361461438574

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8e43488e98c570db,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 01:23:34 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!ucsd!ucbvax!WPAFB-AMS1.AF.MIL!
bob%50781.decnet
From: bob%50781.decnet@WPAFB-AMS1.AF.MIL ("50781::BOB")
Newsgroups: rec.ham-radio
Subject: Rush and YYZ
Message-ID: <9005030705.AA18581@ucbvax.Berkeley.EDU>
Date: 2 May 90 21:55:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Wed May 2 22:55:00 1990

I never did notice the YYZ code in the song. YYZ is the designator for Toronto's airport. I'm told its one of the busiest in Canada if not all of North America.

Bob N5GNA

From 7374352611610416470
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cff4613b952d5481,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 01:25:47 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!apple.com!winter
From: winter@apple.com (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Yay Trey! (Netperson Wins Sweepstakes!)
Message-ID: <40702@apple.Apple.COM>
Date: 3 May 90 07:16:06 GMT
Sender: winter@Apple.COM
Organization: Apple Computer Inc, Cupertino, CA
Lines: 12
Posted: Thu May 3 08:16:06 1990

Congratulations to our very own Trey Garlough, WN4KKN/5, for his first-place finish in last November's ARRL CW Sweepstakes contest.

I see that W5EHM--including netperson Derek Wills, AA5BT--brought home the 10th-place spot for multiop in the Phone contest.

Did I overlook any other netfolks in the Top Ten listings??

Patty

From -9010770547918021348
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3c75fc2134ce6f32,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 03:21:16 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!ntvax!iex!neptune!bert
From: bert@neptune.iex.com (Bert Campbell)
Newsgroups: rec.ham-radio
Subject: R9000 computer control
Summary: problems with R9000
Keywords: ICOM, R7000, R9000
Message-ID: <1990May2.150846.221@iex.uucp>
Date: 2 May 90 15:08:46 GMT
Sender: news@iex.uucp (C News)
Organization: IEX Corporation, Dallas
Lines: 15
Posted: Wed May 2 16:08:46 1990

I am trying to make a control program work on the R9000. I'm adapting an existing R7000 program that works fine. Everything is working except the read/load memory channels operation. On the R7000, to load a memory you, select the memory, set the freq, set the mode, do a loadmemory command. To read a memory, you select the memory, read the freq, read the mode. On the R9000, only the selection of the channel seems to work. Nothing else is.

Info from ICOM is very sketchy and incomplete. If you know what I need to do or have any ideas, I'd appreciate email.

73

Bert N5KGT   {convex|uunet}!iex!bert   73777,1666 (214)612-2600 (214)480-0668

From 3846000126412560411
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75b9b26b3abbae77,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9b5b,75b9b26b3abbae77,start
X-Google-Attributes: gidf9b5b,public
X-Google-ArrivalTime: 1990-05-03 03:23:10 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!ucselx.sdsu.edu!sdsu!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley -- W B 6 W U I)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TH-215A problem
Message-ID: <2502@crash.cts.com>
Date: 3 May 90 05:56:01 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 10

Posted: Thu May 3 06:56:01 1990

I have a TM-321 and have the same intermitent audio, haven't determined the cuase either. I have never wacked it (but I may next time) and just wiggle the cord, pull the mic plug and reinsert. That will usually cure it. Totolly random.

```
-------------------------------------------------------------------------------
| Mike Shirley,  WB6WUI         INET: mikey@pnet01.cts.com                    |
| PO Box 460                    ARPA: crash!pnet01!mikey@nosc.mil             |
| Lakeside, CA  92040-0460      UUCP: {hplabs!hp-sdd nosc}!crash!pnet01!mikey |
-------------------------------------------------------------------------------
```

From 891141896454930146
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7d0bf423fce7138
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,b7d0bf423fce7138
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-05-03 03:23:18 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!ucselx.sdsu.edu!sdsu!crash!skipsand
From: skipsand@crash.cts.com (Skip Sanders)
Newsgroups: rec.ham-radio,sci.space
Subject: Re: * SpaceNews 30-Apr-90 *
Keywords: Amateur Satellite News
Message-ID: <2503@crash.cts.com>
Date: 3 May 90 06:06:34 GMT
References: <283@ka2qhd.UUCP> <1990May2.215615.6943@uokmax.uucp>
Organization: Crash TimeSharing, El Cajon, CA
Lines: 6
Xref: gmdzi rec.ham-radio:11205 sci.space:12012
Posted: Thu May 3 07:06:34 1990

The shuttle astronaut INTERCOM headsets ALSO transmit on 279.0 (except during military flights, when they use IR links instead) and have been heard before during flight by listeners on the ground. That is likely what was heard this time, as the astronauts did not exit the airlock, and I'd not expect the suit transmitters to get out of the sealed air lock very well at all...

From -5039996954441277540
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc16eae9a26bb2a2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 03:56:33 PST
Path: gmdzi!unido!mcsun!sunic!tut!ra!abo.fi!msaarinen
From: msaarinen@abo.fi
Newsgroups: rec.ham-radio
Subject: Testing....
Message-ID: <6763.26401112@abo.fi>

Date: 3 May 90 11:08:02 GMT
Organization: Abo Akademi University, Finland
Lines: 7
Posted: Thu May 3 12:08:02 1990

I'm so sorry but this is only a test....

Anyway greetings from a sunny Finland!

/ms

From 2381237039175420004
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75b9b26b3abbae77
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 07:22:01 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpcc01!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TH-215A problem
Message-ID: <18230008@col.hp.com>
Date: 2 May 90 22:50:17 GMT
References: <1990May2.130539.3645@maverick.ksu.ksu.edu>
Organization: HP Colorado Springs Division
Lines: 4
Posted: Wed May 2 23:50:17 1990

In a possibly related incident, my wife's TH-21AT lost its audio (but the TT pad still worked). I believe I've traced it to a defective condenser microphone. I just ordered one from Kenwood and am keeping my fingers crossed!

From 5074139797558629369
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,48cf9e979dec5306,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 08:44:45 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
van-bc!ubc-cs!nebulus!dennis
From: dennis@nebulus.UUCP (Dennis S. Breckenridge)
Newsgroups: rec.ham-radio
Subject: Help with Mods for Kenwood TH-75A
Message-ID: <1990May3.143629.5433@nebulus.UUCP>
Date: 3 May 90 14:36:29 GMT
Organization: Alchemy Mindworks, Vancouver, Canada
Lines: 10
Posted: Thu May 3 15:36:29 1990

I just purchased a Kenwood TH-75A Dual-Band Handie-Talkie.
Has anyone found any useful modifications to this rig. I have
looked at the diode matrix but I does not seem (on the surface)
to allow things like out of band transmit, etc...
73's

```
--
-----------------------------------------------------------------------------
Dennis S. Breckenridge  (604) 277-7413   dennis@nebulus.uucp           VE7TCP
               Still brain dead after all these years :-)
-----------------------------------------------------------------------------
```

From -7151080011096725649
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e25a4c2448447fb5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 08:54:20 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!rutgers!bellcore!casux4!jdn
From: jdn@casux4.uucp (jonathan nagy)
Newsgroups: rec.ham-radio
Subject: Re: Dayton-- Good Show!
Message-ID: <22882@bellcore.bellcore.com>
Date: 3 May 90 15:05:07 GMT
References: <43580@iuvax.cs.indiana.edu> <3245@umbc3.UMBC.EDU>
Sender: news@bellcore.bellcore.com
Reply-To: jdn@casux4.UUCP (jonathan nagy)
Organization: Bell Communications Research, Inc.
Lines: 26
Posted: Thu May 3 16:05:07 1990

In article <3245@umbc3.UMBC.EDU> battle@umbc3.umbc.edu.UMBC.EDU (Rick) writes:
>I had a great time. The exhibits were first class. I spoke to several
>designers from Cushcraft and Hygain. This was very useful since I have
>antennas from each and had some questions. Also, every linear
>manufacture except was Henry (boo) was there with the top off so you
>could see the innards. Great to compare band switches, coils, cooling,
>plate chokes, etc. No unanswered questions!
>

Not quite EVERY manufacturer. I was disappointed that Advanced Radio
Devices (ARD 230A) did not show up this year. If you were at dayton
last year, you saw what a REAL amplifier looks like.

ARD was considering building an automatic antenna tuner which I was
hoping to see there. I also noticed that ARD is no longer listed
in the latest AES catalog. Perhaps they are too busy with commercial
work to spend much time on amateur radio products. This would be
a pity since their amplifiers are clearly head and shoulders above
any other amplifier on the amateur market today.

Jon, NK2D

Jonathan Nagy
jdn@navaho.cc.bellcore.com
(201) 699-4445

From 5031835882175978730
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e25a4c2448447fb5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 08:54:22 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!rutgers!bellcore!casux4!jdn
From: jdn@casux4.uucp (jonathan nagy)
Newsgroups: rec.ham-radio
Subject: Re: Dayton-- Good Show!
Message-ID: <22883@bellcore.bellcore.com>
Date: 3 May 90 15:07:59 GMT
References: <43580@iuvax.cs.indiana.edu> <3245@umbc3.UMBC.EDU>
<40700@apple.Apple.COM>
Sender: news@bellcore.bellcore.com
Reply-To: jdn@casux4.UUCP (jonathan nagy)
Organization: Bell Communications Research, Inc.
Lines: 16
Posted: Thu May 3 16:07:59 1990

In article <40700@apple.Apple.COM> pvh@Apple.COM (Pete Helme) writes:
>
>Did Heath Electronics and/or Standard have a booth there?
Heath was there...They had a very nifty antenna rotor control
box with a computer interface. Type in the prefix and/or country,
and the rotor goes there. No need to look up beam headings on a
paper chart.

73, Jon NK2D

Jonathan Nagy
jdn@navaho.cc.bellcore.com
(201) 699-4445

From 8555587523368152796
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,399caad1a583d305,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 10:13:48 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
swrinde!dptspd!lcz
From: lcz@dptspd.sat.datapoint.com (Lee Ziegenhals)
Newsgroups: rec.ham-radio
Subject: Mail callbook server available
Keywords: callbook callsign

Message-ID: <469@dptspd.sat.datapoint.com>
Date: 3 May 90 15:17:01 GMT
Sender: lcz@dptspd.sat.datapoint.com
Organization: Datapoint Corporation, San Antonio, TX
Lines: 35
Posted: Thu May 3 16:17:01 1990

I (finally!) have an amateur radio callbook server online, available via email. This server is still in the testing phase, so please let me know of any problems. There is no FTP access to the server, but there are other sites providing that. Currently, the only search key is the callsign. If there's enough interest, I may add other search criteria later.

Here is a copy of the help file:

The callbook server is accessed by sending mail to callbook@sat.datapoint.com. Include the following line in the body of your message:

```
     lookup <callsign> [<callsign> ...]
```

The maximum length of a lookup command line is about 200 characters. You may specify more than one lookup command if needed.

The following commands are also recognized:

```
     help - return this help text.
     quit - quit scanning for commands.
```

Quit is not needed, but may be used if you have a signature that contains things that look like callbook commands.

The callbook data is taken from FCC records as of September 1989, as provided by Rusty Carruth, N7IKQ.

If you have any questions, send mail to callbook-help@sat.datapoint.com.

Thanks,
Lee Ziegenhals, N5LYT
3 May 1990

From -932203158514638325
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3375f016afd67023,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 11:11:25 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!nosc!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley -- W B 6 W U I)
Newsgroups: rec.ham-radio
Subject: Temp linking of repeaters via autopatches

Message-ID: <2509@crash.cts.com>
Date: 3 May 90 15:16:03 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 28
Posted: Thu May 3 16:16:03 1990

I had a thought (watch out). Anyone interested in tying some repeaters together for a chat using autopatch to autopatch?

I think it would be a kick to chew the fat coast to coast FM mobile. You know, reach out and touch (careful) someone. Interstate costs are quite inexpensive at 60% off prime on weekends. Say a Saturday afternoon or evening. Our 220 repeater club in Sandy Eggo would like to give it a try if there are any takers.

Just think, if someone has conference calling on their repeater line, then we could get 3 boxes connected. Think about it, talk it up, see if you can get your members to check in at the annointed time. The more hams listening at both ends of the line, the better. The "San Diego Los Angeles Intertie Club" (SLIC) will start the ball rolling at initiate the calls, so NO cost to your club if you'd like to participate.

We can be found at 224.16 Mhz, PL 1B, San Dgo County, Cuyamaca Peak, 5900 feet, Coverage into Organge County if you care to chat on our system about the idea. Any comments, suggestions (positive only please), or input is solicited.
                Mike, WB6WUI
btw--sorry 'bout the garbage/distortions...

```
-------------------------------------------------------------------------------
| Mike Shirley,  WB6WUI         INET: mikey@pnet01.cts.com                    |
| PO Box 460                    ARPA: crash!pnet01!mikey@nosc.mil             |
| Lakeside, CA  92040-0460      UUCP: {hplabs!hp-sdd nosc}!crash!pnet01!mikey |
-------------------------------------------------------------------------------
```

From 5811603796268570945
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6066467658f00942
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 14:09:51 PST
Path: gmdzi!unido!mcsun!uunet!cadnetix.COM!cadnetix!rusty
From: rusty@cadnetix.COM (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: Ham Radio Magazine out of business
Keywords: CQ Magazine
Message-ID: <12280@cadnetix.COM>
Date: 3 May 90 21:09:51 GMT
References: <1591@raybed2.ray.com>
Sender: news@cadnetix.COM
Reply-To: rusty@cadnetix.COM (Rusty Carruth)
Organization: Cadnetix Corp., Boulder, CO

```
Lines: 14
Posted: Thu May  3 22:09:51 1990

In article <1591@raybed2.ray.com> ewb@raybed2.ray.com (EUGENE BALINSKI) writes:
>Bad news ....... Ham Radio Magazine has
>been sold to CQ magazine.
>.... Publication will stop immediately.

ARRRRRGGGHHHHHHHHHHHHHH!!!!!!!!!!!!!!!!

(what more can I say?)
(Actually, I'll have something to say in my -next- article.)

---Join the usenet un-net, 28.410 and/or 28.390(+-) 1700Z to 1900Z saturdays!
Rusty Carruth.                  Radio: N7IKQ                 ^^ or later :-)
DOMAIN: rusty@cadnetix.com      UUCP:{uunet,boulder}!cadnetix!rusty
home: POB. 461, Lafayette CO 80026


From 1528392528006802824
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6066467658f00942
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 14:14:39 PST
Path: gmdzi!unido!mcsun!uunet!optilink!elliott
From: elliott@optilink.UUCP (Paul Elliott x225)
Newsgroups: rec.ham-radio
Subject: Re: Ham Radio Magazine out of business
Summary: VHF Communications / Timekit
Keywords: CQ Magazine
Message-ID: <3549@optilink.UUCP>
Date: 3 May 90 16:04:13 GMT
References: <1591@raybed2.ray.com> <24463@usc.edu>
Organization: Optilink Corporation, Petaluma, CA
Lines: 34
Posted: Thu May  3 17:04:13 1990

In article <24463@usc.edu>, kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
> In article <1591@raybed2.ray.com> ewb@raybed2.ray.com (EUGENE BALINSKI) writes:
> >Bad news in the Amateur Radio publishing world.... Ham Radio Magazine has
> >been sold to CQ magazine.
>
> I also will be sorry to see them go.  At least there are some good
> technical magazines still available.  Dubus from W. Germany for example.
> Feedpoint from North Texas Microwave Society.

When you mention a magazine (especially somewhat obscure ones), please try
to include an address or phone number so we can follow-up.

In an earlier posting, I mentioned that _VHF_Communications_ (a translation
of a German technical Ham magazine) was available from "Timekit".  I am still
waiting for a copy of the magazine, but here is the address and phone:
```

Timekit
P.O. Box 22277
Cleveland, OH 44122
(216) 464-3820

As far as I can tell, this phone number is the home phone of Mr. Fred R. Sharp, who is semi-retired and runs Timekit from his home (so be considerate when choosing a time to call). He apparently also sells Ham radio kit projects as well. _VHF_Communications_ is published four times per year, and costs $20.95 per year. I will report back to this group after I see a copy.

de wb6cxc <end of work>

--
Paul M. Elliott   Optilink Corporation   (707) 795-9444
{uunet, pyramid, pixar, tekbspa}!optilink!elliott
"Less than perfect, that's what I've been aiming for all along."

From -3862060079237722097
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e25a4c2448447fb5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 14:17:32 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!pvh
From: pvh@Apple.COM (Pete Helme)
Newsgroups: rec.ham-radio
Subject: Re: Dayton-- Good Show!
Message-ID: <40713@apple.Apple.COM>
Date: 3 May 90 18:34:03 GMT
References: <43580@iuvax.cs.indiana.edu> <3245@umbc3.UMBC.EDU> <22883@bellcore.bellcore.com>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 5
Posted: Thu May 3 19:34:03 1990

but what I really want to know is was Heath showing the Standard C520 dual band HT under their own name now or not.

Pete

From 540427016949483687
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e25a4c2448447fb5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 15:20:22 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!sdd.hp.com!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!psuvax1!rutgers!mephisto!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)

Newsgroups: rec.ham-radio
Subject: Re: Dayton-- Good Show!
Message-ID: <701@idacrd.UUCP>
Date: 3 May 90 16:59:36 GMT
References: <3245@umbc3.UMBC.EDU>
Organization: idacrd, princeton, nj
Lines: 17
Posted: Thu May 3 17:59:36 1990

From article <3245@umbc3.UMBC.EDU>, by battle@umbc3.UMBC.EDU (Rick):
>
> The DSP stuff from PAC COM and AEA went over like a lead baloon
> to the masses. No surprise there.
>

Does this mean you didn't like it or would you care to give us more details?
I admit that I am not in an objective position but the level of excitement
I saw was far from `went over like a lead balloon'.

Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From 7047001054446024102
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f9532,8de4aaa1e26ce9d7,start
X-Google-Attributes: gidf9532,public
X-Google-Thread: 10c9e3,8de4aaa1e26ce9d7,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,8de4aaa1e26ce9d7,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 105d97,8de4aaa1e26ce9d7,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-05-03 15:24:55 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!bcm!watson!hshine
From: hshine@watson.bcm.tmc.edu (Harold David Shine)
Newsgroups: misc.wanted,rec.ham-radio,rec.radio.shortwave,sci.electronics
Subject: Cat's Wiskers
Keywords: crystal radio; cat's wiskers
Message-ID: <830@gazette.bcm.tmc.edu>
Date: 3 May 90 17:45:33 GMT
Sender: usenet@bcm.tmc.edu
Followup-To: poster
Lines: 10
Xref: gmdzi misc.wanted:4241 rec.ham-radio:11219 rec.radio.shortwave:1139
sci.electronics:6506
Posted: Thu May 3 18:45:33 1990

In my early years I'd see neat crystal radios made with "Cat's Wiskers". These devices were sets of mounted crystals and a probe to find a good spot on the crystal for radio reception. I'd like to make one. Can anyone tell me where I can get a set?

Thanks in advance,

David Shine
Internet: hshine@bcm.tmc.edu   Voice: (713)798-3823 Fax: (713)798-4643

From 4562249592054346983
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae5f3e96b387d2a4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 15:48:14 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!sun-barr!newstop!jethro!kirk
From: kirk@enterprise.Eng.Sun.COM (`Captain' Kirk DeHaan)
Newsgroups: rec.ham-radio
Subject: HF packet
Message-ID: <1296@jethro.Corp.Sun.COM>
Date: 3 May 90 18:08:39 GMT
Sender: news@jethro.Corp.Sun.COM
Lines: 13
Posted: Thu May 3 19:08:39 1990

I just started playing around with HF packet on 28.109 mhz. It is really quite a lot of fun. It took me a couple of days to finally get my radio and PK-232 set up properly. I was using the squelch line from my IC-725 to the PK-232. By using the squelch line I was losing some of the marginal signals. After removing that line things worked much beter.

Anyway...what I would like to know are the rules of etiquette, if any.
--
 'Captain' Kirk DeHaan   net - kirk@sun.com
  Sun Microsystems Inc.   packet - n6sxr.ampr.org
                                  cis - 73427,1657

From 8069394911539068848
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75b9b26b3abbae77
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 18:26:55 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!think!samsung!sdd.hp.com!hp-pcd!
hpcvra!gregm
From: gregm@hpcvra.CV.HP.COM (Greg May)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TH-215A problem
Message-ID: <5710008@hpcvra.CV.HP.COM>

Date: 3 May 90 19:14:39 GMT
References: <1990May2.130539.3645@maverick.ksu.ksu.edu>
Organization: Hewlett-Packard Co., Corvallis, OR, USA
Lines: 54
Posted: Thu May 3 20:14:39 1990

>In a sample population of about 60 amateurs in this town, three of us
>own Kenwood TH-215A HT's, all purchased separately at different times
>from different sources....

>ALL THREE have developed an audio problem in the last eight months:
>the audio (both from the microphone and from the keypad) simply
>disappears at unpredictable intervals. And all three can be "fixed"
>by WHACKING the HT with the palm of one's hand--until it happens again.

>If your TH-215A has this problem, if you know of someone else whose
>HT has this problem, or if you know how to solve it, please let me know.
>One of these days a WHACK isn't going to work, and we need help!

Ha! You guys may be in luck, since I fixed mine -- I have the service manual and decided to jump in (I had upgraded the software and you have to pull the unit completely open to do it --). Anyway, I was using the rig one day and the next -- no audio -- just a slight noise that appeared to be white noise from the final audio buffer. When plugging in the speaker mike -- same problem. Touch the TTPAD and get your ears blown away -- I think beep also worked. Kenwood had no knowledge of previous problems.

I had to rig up a jumper ribbon cable so I could lay the rig out for testing and immediately checked the input audio to the volume control. No problem -- but there was nothing coming out the other side. I jumpered the pot (i.e. simulate pot max volume) and my ears were hurting. Upon removal of the pot I found a crack on the ALPS pc board that has the leads mounted to it. Apparently, I must have hit the volume control pot the previous day and cracked the pot trace (again this trace was part of the pot not the rig pcb). I had noticed when I disassembled the unit that there was no nut on the pot to hold it in place (none on the squelch either). The volume pot is right at the edge of the unit and is most likely knob to get hit.

When parts arrived, it came with a nut so I installed it to help prevent this problem in the future -- no problems since. (I failed to mention that I shorted out the power lead to ground and blew a diode in the power ciruit. It was obvious which one. -- so be careful!)

I think the switched volume pot cost $4.95 + $3.00 shipping.
(the diode looked like a fused type so I ordered that too for $1.95. The one they sent me was a normal silicon power diode so I don't have to guess anymore. I also picked up a set of backcase screws -- very small heads but very long screws to replace my old ones -$.05 - Make sure you have a "good" screwdriver that really fits.)

All these problems sound like the same thing. I have never had any problems with my rig, and I bought one of the first ones out. (Hence, the software update to give me the ability to lock out memory channels during scan.)

Hope this helps.

Greg May

gregm@hp-pcd.HP.COM

From 2208138546066213440
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d33404d49c0a005
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10e16d,db104441d7d605a3
X-Google-Attributes: gid10e16d,public
X-Google-ArrivalTime: 1990-05-03 19:29:51 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!samsung!uakari.primate.wisc.edu!ames!amdahl!twg.com!obelix!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.autos.driving,rec.ham-radio
Subject: Re: What is a CB radio?
Message-ID: <5703@gollum.twg.com>
Date: 3 May 90 19:47:02 GMT
References: <90121.014009SPW103@psuvm.psu.edu>
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 28
Xref: gmdzi rec.autos.driving:779 rec.ham-radio:11223
Posted: Thu May 3 20:47:02 1990

In article <90121.014009SPW103@psuvm.psu.edu> SPW103@psuvm.psu.edu writes:
>
>>But that's ILLEGAL and against the rules! And the guy at the car stereo shop
>>and cellular phone sales TOLD me that it was IMPOSSIBLE for anyone to listen
>>in on my cell phone conversations, and that it was illegal anyways...
>>
>
>Oh, and of course the salesman told you it was impossible and illegal -- he
>is a salesman, and likely was just as lost as I/we are. :-]
>
"As long as you don't act on the basis of what you hear, you are breaking no laws." Now let me tell you the reality...

I have a close friend here locally (N...) who is the proud new owner of a R9000. After a good deal of urging, he persuaded me to join him for a few beers and listen to the 9000. So up to 800MHz we went, and in a half hour I got...

- a dope deal being set up;
- a replay of last night's sex scene between Mr. X and his secretary, together with how X was planning on getting away from the wife and kids again tonight;
- several discussions of corporate takeover strategies (this is Silicon Valley);

  - etc.

It was hilarious, just as my friend promised me. (But not entertaining enough that I would even think of plunking down $4K+ for a 9000 of my own.) Apparently there are a lot of salesmen out there claiming cellular calls can't be monitored. Worse, there are a lot of people who believe it!

AA6KX

```
From -3112114384688118901
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8617e3eb6162123b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 20:26:10 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
usc!elroy.jpl.nasa.gov!jato!mars!hammock
From: hammock@mars.jpl.nasa.gov (Randy Hammock KC6HUR)
Newsgroups: rec.ham-radio
Subject: SlowScan on Amiga
Message-ID: <3573@jato.Jpl.Nasa.Gov>
Date: 4 May 90 00:14:40 GMT
Sender: news@jato.Jpl.Nasa.Gov
Reply-To: hammock@mars.jpl.nasa.gov (Randy Hammock KC6HUR)
Organization: Jet Propulsion Laboratory, Pasadena, CA.
Lines: 11
Posted: Fri May  4 01:14:40 1990
References:
```

I am looking for a program that will support the sending and receiving of slow-scan images using an Amiga computer. It seems that something that supports sending directly from an IFF should be fairly simple to do. I'd like to hear what anyone else has on this.

73's
Randy

```
AMIGA /// | hammock@mars.jpl.nasa.gov  Telos - Jet Propulsion Laboratory - NASA
     ///  |         KC6HUR              >>> Space reseved for future use <<<
 \\\///   |---------------------------------------------------------------------
  \XX/ C= |     "When I want your opinions, I'll give them to you!" - Mock
```

```
From -3592507717424527957
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,23ccd005d9c84fc7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 20:43:02 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!zaphod.mps.ohio-state.edu!
uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: 3-year-old learns Morse Code
Message-ID: <30500517@ux1.cso.uiuc.edu>
Date: 3 May 90 18:42:00 GMT
References: <36037@genrad.UUCP>
```

Lines: 19
Nf-ID: #R:genrad.UUCP:36037:ux1.cso.uiuc.edu:30500517:000:939
Nf-From: ux1.cso.uiuc.edu!phil   May 3 13:42:00 1990
Posted: Thu May 3 19:42:00 1990

> considering that it has been stated here by various VE's that using a typewri
> to copy the code test isn't allowed cause the rules say by hand, I hardly exp
> they let anyone use a compputer. Add into that the illogical (for a child)
> layout of a QWERTY keyboard and this story really looses credibility.
> I personally would need a lot more verified info before I believed it.

Copying by typewriter or computer keyboard *IS* copying by hand !!

What is NOT copying by hand is letting any mechanical, electrical or algorithmic device do it for you.

If the VE's refuse to allow copying by hand in its various forms, contact the VEC and ask for this to be corrected and a makeup exam session to be scheduled. If the VEC refuses, get another VEC to do some exams in your area.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 1382991131904572032
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6066467658f00942
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 20:43:09 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Ham Radio Magazine out of business
Message-ID: <30500518@ux1.cso.uiuc.edu>
Date: 3 May 90 18:54:00 GMT
References: <1591@raybed2.ray.com>
Lines: 14
Nf-ID: #R:raybed2.ray.com:1591:ux1.cso.uiuc.edu:30500518:000:879
Nf-From: ux1.cso.uiuc.edu!phil   May 3 13:54:00 1990
Posted: Thu May 3 19:54:00 1990

HR Magazine USED TO BE a less fancy magazine. I must say I have enjoyed the art work that has been done on the covers. But I believe HR could have been operating much leaner. I remember when the covers were simply 2 color and the whole magazine was smaller. I guess I will need to start reading some other technical magazines. The lack of publicity about them has been the major reason I have not been getting them. I will now be collecting info about the various ham radio publications in a file, and once it is reasonable enough, will post it. If you e-mail or post info you know, please make

sure the info is complete and correct. If you have not verified the rates
for subscription within 6 months, please do so.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 2924795211372858283
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75b9b26b3abbae77
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 20:43:12 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TH-215A problem
Message-ID: <30500519@ux1.cso.uiuc.edu>
Date: 3 May 90 19:50:00 GMT
References: <130539@<1990May2>
Lines: 40
Nf-ID: #R:<1990May2:130539:ux1.cso.uiuc.edu:30500519:000:1748
Nf-From: ux1.cso.uiuc.edu!phil   May 3 14:50:00 1990
Posted: Thu May 3 20:50:00 1990

> In a sample population of about 60 amateurs in this town, three of us
> own Kenwood TH-215A HT's, all purchased separately at different times
> from different sources....
>
> ALL THREE have developed an audio problem in the last eight months:
> the audio (both from the microphone and from the keypad) simply
> disappears at unpredictable intervals. And all three can be "fixed"
> by WHACKING the HT with the palm of one's hand--until it happens again.
>
> On a recent trip to a town 50 miles away I talked to a FOURTH ham
> whose TH-215A has the SAME problem.

A local ham here, WB9JSO, has the same radio and the same problem.
Sounds like an epidemic to me.

> But when I called Kenwood's Service Department yesterday, I was told
> "We've NEVER HEARD of such a problem before.... Just send it in when
> it happens again and we'll service it for you...."

They tell lies.

> Of course, when UPS "plops" the box onto their counter, the problem
> will disappear and there won't be anything to fix!

That's what makes intermittent problems so great.

> If your TH-215A has this problem, if you know of someone else whose

> HT has this problem, or if you know how to solve it, please let me know.
> One of these days a WHACK isn't going to work, and we need help!

Exploratory surgery might be in order.

I once had a spurious bug in a major IBM mainframe operating system, and
IBM claimed it could not possibly do what I said it was doing. I looked
at the source and found it, but they still denied it was a bug. I fixed
it and sent them the fix. Two releases later, my code was in it.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -4665148409899090689
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2731fbc7dcb37294
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 20:43:19 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!uwm.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: WARC DANGEROUS RECORDINGS
Message-ID: <30500520@ux1.cso.uiuc.edu>
Date: 3 May 90 20:09:00 GMT
References: <700@idacrd.UUCP>
Lines: 49
Nf-ID: #R:idacrd.UUCP:700:ux1.cso.uiuc.edu:30500520:000:2740
Nf-From: ux1.cso.uiuc.edu!phil   May 3 15:09:00 1990
Posted: Thu May 3 21:09:00 1990

> I posted recently on another topic and claimed that other administrations
> besides our would record stupid activity on the ham bands and use this
> at the upcoming WARC to justify their claim that we do not deserve our
> allocations. It has already happened. Recently, two European countries,
> serving notice ;-(sent recordings of the Bouvet operations to the FCC.
> The FCC sent this to ARRL with a message that went something like `this
> is your mess, what are you gonna do about it.' This precipitated the
> highly controversial DX-pedition and contest suggestions/rules etc. that
> have recently been proposed. We are in real danger in 1992. Land Mobile
> has before the WARC a proposal to convert all between 1000 and 3000 Mhz to
> Land Mobile. We had better get our act together and fast.

I recently had a conversation with a local ham, not over the air, concerning
the density of amateur FM/repeater communications in large metropolitan areas.
He had spoken with another ham from such an area who had the perspective that
in his area (LA) the 2m, 1.25m, 70cm, and even the 23cm were FULL. He had
the perspective that 1 QSO per day made the repeaters "busy".

If you want to see what ***FULL*** is really like, take a look at the
Land Mobile spectrum. LM needs spectrum, they need it badly, and they

need it NOW! Compared to LM usage, 2 meters is a barren wasteland!

We are going lose LOTS and LOTS of spectrum to Land Mobile and other interests (HDTV perhaps) if we don't get our act together and DO IT NOW! We need to CUT THE BS and make our bands MUCH MUCH more used than they are now.

Back to the subject. The HF spectrum is being highly ABUSED, but most of it is reasonably crowded now. Here is your chance to help reduce the problem. QSY from 20 to 2 or 220. Let's start getting more hams we have now to actually USE the VHF and UHF spectrum. If you tune across all the repeaters and find LESS THAN 80% in use, then the band is WIDE OPEN for you to use. GO FOR IT!

The ARRL doesn't have any authority to do anything about the HF problems. They can ask for more "gentlemen's agreements", but what is really needed is some regulatory and enforcement teeth. The FCC is not going to do this for us, so we need to find ways to do it ourselves.

If we don't act, then SOMEDAY, ham radio will be totally gone, and what use remains of the radio spectrum will be CB and outlaw.

If you are one of those people who claim that ANY VHF or UHF band ANYWHERE is full or crowded or too tight for a QUADrupling of usage, then BURN YOUR TICKET AND GET OFF THE AIR.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

```
From -7687888927038949690
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d33404d49c0a005
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10e16d,db104441d7d605a3
X-Google-Attributes: gid10e16d,public
X-Google-ArrivalTime: 1990-05-03 21:11:28 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!usc!apple!netcom!mcmahan
From: mcmahan@netcom.UUCP (Dave Mc Mahan)
Newsgroups: rec.autos.driving,rec.ham-radio
Subject: Re: What is a CB radio?
Message-ID: <11645@netcom.UUCP>
Date: 4 May 90 00:54:37 GMT
References: <90121.014009SPW103@psuvm.psu.edu> <5703@gollum.twg.com>
Organization: NetCom- The Bay Area's Public Access Unix System
Lines: 24
Xref: gmdzi rec.autos.driving:780 rec.ham-radio:11229
Posted: Fri May  4 01:54:37 1990
```

>>>But that's ILLEGAL and against the rules! And the guy at the car stereo shop
>>>and cellular phone sales TOLD me that it was IMPOSSIBLE for anyone to listen
>>>in on my cell phone conversations, and that it was illegal anyways...
>>>

>>
>>Oh, and of course the salesman told you it was impossible and illegal -- he
>>is a salesman, and likely was just as lost as I/we are. :-]

It may or may not be illegal, but I KNOW it is definately possible. While working on a radar detection and classifaction system at a local defense contractor, we were doing some chamber testing in the lab. As these tests take hours, we decided to amuse ourselves. HP makes a nice little spectrum analyzer (I forget the part number) that contains built-in AM/FM demodulators. We just stuck an antenna into the input port (a bent paper clip worked the best of all antennas we tried) and we could tune into any signal in the band of interest. In this case, the band of interest was the cellular phone band. We could pick any channel in the band we wanted, hit 'peak find' to center the demodulator, and then turn on the audio. Quite fun for about 1 hour. We noticed that most calls are for real-estate deals taking place and guys trying to impress their girlfriends. One guy was calling his woman while sitting in her driveway. If you want to make it private, DONT'T do it on cellular.

-dave

From 2408909612624293781
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e25a4c2448447fb5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-03 22:13:12 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!uwm.edu!zaphod.mps.ohio-state.edu!sunybcs!bowen
From: bowen@cs.Buffalo.EDU (Devon E Bowen)
Newsgroups: rec.ham-radio
Subject: Re: Dayton-- Good Show!
Message-ID: <24237@eerie.acsu.Buffalo.EDU>
Date: 4 May 90 02:19:10 GMT
References: <43580@iuvax.cs.indiana.edu> <3245@umbc3.UMBC.EDU>
Sender: news@acsu.Buffalo.EDU
Reply-To: bowen@cs.Buffalo.EDU (Devon E Bowen)
Organization: State University of New York at Buffalo/Comp Sci
Lines: 7
Posted: Fri May 4 03:19:10 1990

In article <3245@umbc3.UMBC.EDU>, battle@umbc3.UMBC.EDU (Rick) writes:
|> The DSP stuff from PAC COM and AEA went over like a lead baloon
|> to the masses. No surprise there.

Are you kidding? That was the only thing I saw I was interested in!

Devon

From -6894952058401334437
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c1920b3ba1fa7800,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 02:21:27 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!orion.oac.uci.edu!uci-ics!ucla-cs!smcnet!lawrence
From: lawrence@smcnet.smc.edu (Lawrence Roney, Telecomm Dept)
Newsgroups: rec.ham-radio
Subject: More Kenwood TH-315 Problems
Message-ID: <1990May4.044308.1378@smcnet.smc.edu>
Date: 4 May 90 04:43:08 GMT
Sender: lawrence@smcnet.smc.edu (Lawrence Roney)
Organization: Santa Monica College, CA 90405
Lines: 19
Posted: Fri May 4 05:43:08 1990

Well I have not lost the volume on my Kenwood radio yet. (knock on wood) I have the 220Mhz Kenwood TH-315A and it has been working fine up until tonight. When I unplugged the unit from the wiring harness that I have rigged up in my truck, the radio "locked up". I couldn't change channels or get and audio out of the the thing. The unit was still displaying the repeater frequency that I was just listening to and the S-meter was on full scale even though I had not plugged the rubber duck into the unit yet. Turning the unit off an on a few times, the HT seemed to reset itself including erasing all of the memories.

Just wondering if anyone else has had this problem with their rigs?

```
--
-------------------------------------------------------------------------------
Lawrence Roney - Santa Monica College Telecommunications Department
N6YFN          1900 Pico Blvd., Santa Monica, CA 90405-1628
Mail       UUCP: uunet!ucla-cs!smcnet!lawrence   Internet: lawrence@smc.edu
```

From -1000960916271416321
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7353301113ef3b4a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 03:37:48 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!mailrus!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: The Black Hole Effect (additional data)
Message-ID: <ecXLi1w161w@w8grt.fidonet.org>
Date: 3 May 90 18:03:25 GMT
References: <1990May2.020957.24571@hayes.fai.alaska.edu>
Organization: QRV de W8GRT
Lines: 25
Posted: Thu May 3 19:03:25 1990

ftpam1@acad3.fai.alaska.edu writes:

```
> In article <3430003@hpqtdla.HP.COM>, jdg@hpqtdla.HP.COM (James Gentles) write
> >>>
> >>>  Marquette is at 47 degrees North Lattitude.
> >>
> >>This cannot be, by itself, an important factor.   Much of Europe is
> >>north of 47 degrees.  I think Bern, Switzerland, is at about 47 degrees.
> >
> >Latitude cant have anything to do with it, Here in Southern Scotland,
> >55deg59'10" N 3deg24'40" W although Auroral communications is not unheard
> >off is is more the domain of those a few degrees further up in the north
> >of the country. I'll go for the ore in the ground being at the root of it.
>
>      I think it has more to do with your distance from the magnetic North
> Pole rather than the geographic one.  Marquette is pretty close to the
> magnetic pole.

Everyone keeps overlooking the geology of Michigan's UP, much of which is
RICH in copper and iron deposits. We're speaking in terms of the whole
dadgummed peninsula being being  one humongous bar magnet.

Jim Grubs, W8GRT - aka FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org


From -9042633150107775691
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,262e5584734fe928,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 03:37:57 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp!deimos.cis.ksu.edu!
maverick.ksu.ksu.edu!ux1.cso.uiuc.edu!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!
jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: RE: 2 meter simple j-pole
Message-ID: <1yXLi2w161w@w8grt.fidonet.org>
Date: 3 May 90 18:16:59 GMT
References: <2615@ektools.UUCP>
Organization: QRV de W8GRT
Lines: 46
Posted: Thu May  3 19:16:59 1990

kinsman@ektools.UUCP (Andrew A. Kinsman) writes:

>
> The following is a description of a J-Pole antenna made from 300 ohm
> TV twin-lead.  Quite a few of the hams in the area have successfully
> built one or more of these antennas. They have quite a few advantages
> which include improved performance for 2-meter HTs, portability, and
> last, but never least, they are inexpensive.
>
```

```
>                     |   | do not short this end.
>                     |   |
>                     |   |
>                     |   |
>                     |   |
>                     |   |
>                 54" |   |
>                     |   |
>                     |   |
>                     |___| <- Connect here to broaden bandwidth slightly.
>                     |     1/4" gap
>                     |   |
>                     |   |
>                     |   | 16 3/4"
> coax ctr conductor=>*   *<= coax shield
>                     |   |
>              1 1/4" |   |
>                      -*-
>            solder the twin leads together at bottom
>
> 1. Start with 54 1/2" of TV twin lead (foam core does not work as well)
> 2. Strip 1/2" of insulation at bottom and solder wires together.
> 3. Measure 1 1/4" from soldered wires and strip insulation on both
>    sides. This is the solder point for a coax feedline.
> 4. Measure 16 3/4" from bottom and cut out 1/4" notch on one side.
> 5. Feed with a length of RG58U coax.  Tape coax at feedpoint to the
>    twin lead for strength and weather protection.
```

In the late 50's, I built one of these cut for 10 meters. (10 was used a lot like VHF by locals back then.) It really worked like a champ. The nice thing about the J-pole from a safety pint of view when tower mounted is that it can be grounded at the bottom, eliminating the need for lightning arrestors.

Jim Grubs, W8GRT - aka FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -8463016049851447797
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,23ccd005d9c84fc7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 03:38:36 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!samsung!umich!mailrus!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: 3-year-old learns Morse Code
Message-ID: <J5XLi3w161w@w8grt.fidonet.org>
Date: 3 May 90 18:20:18 GMT
References: <276@usna.NAVY.MIL>
Organization: QRV de W8GRT

Lines: 12
Posted: Thu May 3 19:20:18 1990

trw@usna.NAVY.MIL (Bill Gunshannon) writes:

>
> considering that it has been stated here by various VE's that using a typewri
> to copy the code test isn't allowed cause the rules say by hand, I hardly exp
> they let anyone use a comppputer. Add into that the illogical (for a child)
> layout of a QWERTY keyboard and this story really looses credibility.
> I personally would need a lot more verified info before I believed it.

The "by hand" business only replies to SENDING, not receiving. Besides, how many people do you know who type by their toes or nose? Most folks type by hand anyway.

From 7598317495044546956
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,571cd1e2c7d21be5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 03:51:51 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!news-server.csri.toronto.edu!utgpu!watserv1!watmath!att!cbnewsi!fwc
From: fwc@cbnewsi.ATT.COM (frank.w.camposano..jr)
Newsgroups: rec.ham-radio
Subject: 430mhz ATV
Keywords: Equipment Operation
Message-ID: <2804@cbnewsi.ATT.COM>
Date: 3 May 90 17:58:56 GMT
Organization: AT&T Bell Laboratories
Lines: 4
Posted: Thu May 3 18:58:56 1990

I am interested in getting some feedback on ATV equipment in the 430mhz band. Equipment recommendations, operating experiences etc...

Thanks in advance.... 73 de Frank n2bqt

From 7086548925402969411
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d33404d49c0a005
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10e16d,db104441d7d605a3
X-Google-Attributes: gid10e16d,public
X-Google-ArrivalTime: 1990-05-04 04:18:20 PST
Path: gmdzi!unido!mcsun!uunet!aai!leo
From: leo%aai@uunet.uu.net
Newsgroups: rec.autos.driving,rec.ham-radio
Subject: Re: What is a CB radio?
Message-ID: <1990May4.043710.1130%aai@uunet.uu.net>
Date: 4 May 90 04:37:10 GMT

References: <90121.014009SPW103@psuvm.psu.edu>
Organization: Amerinex Artificial Intelligence
Lines: 31
Xref: gmdzi rec.autos.driving:781 rec.ham-radio:11239
Posted: Fri May 4 05:37:10 1990

SPW103@psuvm.psu.edu writes:
>>>Of course, such phone calls (even cellular calls) are easily monitored
>>>on most scanners.   ^^^^^^^^
>>
>>But that's ILLEGAL and against the rules! And the guy at the car stereo shop
>>and cellular phone sales TOLD me that it was IMPOSSIBLE for anyone to listen
>>in on my cell phone conversations, and that it was illegal anyways...
>>

>I'm wondering if this is really illegal. I think you can get a scanner that
>will scan in the 800Mhz bands, so it is possible. And ANYTHING in the air
>is, as far as I know, public property -- including government bands, cellular
>phones, Radar waves (The major argument in the case against anti-radar detector
>laws). I believe the Supreme Court decided this awhile ago. Does anybody have
>any details? If I said I was sure I was right, I'd be a liar, but I'd like to
>know exactly what the laws say.

Thanks to intense lobbying by the cellular phone industry, a law was passed
making it illegal to sell equipment capable of receiving cell phone calls or
to listen to such calls. The implication of the former is that scanners sold
new have the cell frequencies blocked, usually by the installation of a diode
which most people easily find out how to remove. The fact that the latter is
in direct conflict with the Radio Act doesn't seem to bother the lawmakers.
The end result is that it is both possible and illegal to listen to cell phone
calls.

This subject has been discussed at great length in the moderated
comp.dcom.telecom group. That's the best place to go for detailed, specific
info on this topic.
--
Leo leo%aai@uunet.uu.net ...!uunet!aai!leo

From 5579540375357895193
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ba856d3097d2e05e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 05:18:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!uxa.cso.uiuc.edu!aaa33750
From: aaa33750@uxa.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: QST article?
Message-ID: <56500004@uxa.cso.uiuc.edu>
Date: 4 May 90 02:02:00 GMT
Lines: 9
Nf-ID: #N:uxa.cso.uiuc.edu:56500004:000:341

Nf-From: uxa.cso.uiuc.edu!aaa33750   May 3 21:02:00 1990
Posted: Fri May 4 03:02:00 1990

If it`s possible, and there`s an article on it, is there a file someplace
to grep to find the issue of QST that would have an article on crystal
shaving?
(What good would computers be if I had to use the Readers` Guide or had to
thumb through a couple dozen index issues:-)
pse e-mail aaa33750@uxa.cso.uiuc.edu or a-arnett1@uiuc.edu
tnx
.

From 5251005728843187157
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aa2df2d275a8c4e9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 05:27:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!SCRVMSYS.BITNET!702WFG
From: 702WFG@SCRVMSYS.BITNET (bill gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: CQ Buys Ham Radio
Message-ID: <9005040712.AA13515@ucbvax.Berkeley.EDU>
Date: 3 May 90 23:42:17 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11
Posted: Fri May 4 00:42:17 1990

I stopped subscribing and reading CQ a while ago because I'm not now nor
ever plan to be a "big gun" DXer. Now that Ham Radio is gone and QST has
cut back, I guess the writting is on the wall. Anybody who thought we
weren't a country of "appliance operators" will get a clear message now.

I wonder if I can get subscriptions to some of the European rags over here??

bill KB3YV

bill gunshannon
702WFG@SCRVMSYS.BITNET

From 4864313374133037422
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d90eda2dad75470b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 06:54:59 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!usc!samsung!uakari.primate.wisc.edu!uflorida!mephisto!mcnc!decvax.dec.com!jfcl.dec.com!young
From: young@jfcl.dec.com (Paul Young)
Newsgroups: rec.ham-radio

Subject: End of Ham Radio
Message-ID: <548@jfcl.dec.com>
Date: 3 May 90 21:23:07 GMT
Reply-To: young@jfcl.nac.dec.com.UUCP (Paul Young)
Organization: Digital Equipment Corporation
Lines: 4
Posted: Thu May 3 22:23:07 1990

At the Dayton Hamvention it was announced that Ham Radio Magazine had been sold to CQ. The June issue of HR will be the last.

Paul, K1XM

From -3702969674926922037
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75b9b26b3abbae77
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 09:31:02 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!psuvax1!rutgers!att!cbnewsh!wa2sff
From: wa2sff@cbnewsh.ATT.COM (joseph.e.wilkes)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TH-215A problem
Message-ID: <10082@cbnewsh.ATT.COM>
Date: 4 May 90 12:00:14 GMT
Organization: AT&T Bell Laboratories
Lines: 5
Posted: Fri May 4 13:00:14 1990

My friend had a similar problem with his ICOM 228H,
a trip to ICOM didn't solve the problem.
He eventually found a lose connecter. After removal and reinsertion,
the radio now works fine.
Joe Wilkes

From 2893770882691487170
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3375f016afd67023
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 09:34:52 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!uc!shamash!mpe
From: mpe@shamash.cdc.com (2375)
Newsgroups: rec.ham-radio
Subject: AOR-???? vs ICON ???? receiver recommendations
Message-ID: <20498@shamash.cdc.com>
Date: 4 May 90 13:01:56 GMT
References: <2509@crash.cts.com>
Reply-To: mpe@shamash.cdc.com
Organization: Control Data Corporation, Arden Hills, MN
Lines: 12
Posted: Fri May 4 14:01:56 1990

Could some kind soul out there in net-land please forward any and all experiences with receivers from AOR and ICOM. I'm interested in a very broad band receiver (say ~50khz through >1Ghz) with continuous band coverage in 50khz or less steps. Costs should be reasonable!!!

Some of the items of interest are the sensitivity of the unit versus frequency and the guaranteed frequency max (some unit's specs are only stated for a portion of the entire spectrum and have limits well inside the max freq the recevier is capable of tuning).

Thank you in advance for your help and patience...
    Mike Ebsen mpe@shamash.cdc.com

From 3040571808541906359
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e25a4c2448447fb5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 10:07:07 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!purdue!haven!umbc3!battle
From: battle@umbc3.UMBC.EDU (Rick)
Newsgroups: rec.ham-radio
Subject: Re: Dayton-- Good Show!
Message-ID: <3252@umbc3.UMBC.EDU>
Date: 4 May 90 13:40:19 GMT
References: <3245@umbc3.UMBC.EDU> <701@idacrd.UUCP>
Reply-To: battle@umbc3.umbc.edu.UMBC.EDU (Rick)
Organization: University of Maryland, Baltimore County
Lines: 32
Posted: Fri May 4 14:40:19 1990

In article <701@idacrd.UUCP> mac@idacrd.UUCP (Robert McGwier) writes:
>From article <3245@umbc3.UMBC.EDU>, by battle@umbc3.UMBC.EDU (Rick):
>>
>> The DSP stuff from PAC COM and AEA went over like a lead baloon
>> to the masses. No surprise there.
>>
>
>Does this mean you didn't like it or would you care to give us more details?
>I admit that I am not in an objective position but the level of excitement
>I saw was far from `went over like a lead balloon'.
>
>Bob

My interest in DSP began with WB2TNL over two years ago. Then more recently with Brooks. I am a real fan of DSP and hope it takes off like a rocket. Speaking of rockets you missed a good one at McNastys. I had the pleasure of sitting next to MOV and across from Brooks and IWI.

Anyhow, my impression was that people who already had some knowledge of DSP were real excited. Those who saw it for the first time could not quite figure out what it was. Maybe some education in the form of articles in mass circulation magazines. Ham Radio just did one, but it propably isnt read widely enought.

Also, "like a lead baloon" may be too harsh. With all due respect
to those like yourself who have done MUCH work on the subject new
things take time to develop. I am sure that DSP will be a real hit
once it is in the market place and its benefit over a TNC is known.

Keep up the good work DR. BOB. I for one appreciate it.

73,   KB3NG

From 6986382049944810597
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c7ebe5dbf502687a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-04 12:18:53 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rice!uw-beaver!sumax!quick!amc-gw!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: RTTY Listening questions
Message-ID: <682@ssc.UUCP>
Date: 4 May 90 08:20:00 GMT
References: <9005011026.aa19136@CRDEC2.APGEA.ARMY.MIL>
Organization: SSC, Inc., Seattle, WA
Lines: 35
Posted: Fri May 4 09:20:00 1990

In article <9005011026.aa19136@CRDEC2.APGEA.ARMY.MIL>,
wejones@CRDEC2.APGEA.ARMY.MIL ("William E. Jones III") writes:
>
> I have had similar problems, and hope someone can be of more help than
> I can, (I have more additional questions than answers) but...
>
> I use a PK-232, and most of the RTTY traffic I find comes up as
> "synchronous" when I run the auto configure signal mode. I therefore
> don't think the signal is really scrambled, but rather in a mode which
> is not easy for the PK-232 to handle.

If a $300 box can decode it, it wouldn't cost much more to build an
encypherment unit that will bury the characters so deep that no one
can decode them, especially at 5 to 10 characters per second.
In several years of messing around, I've discovered that if the signal
has a wide shift (850 Hz?), that I'll have little or no chance of printing
anything. These are probably military.

> As to the possibility of "doing something wrong", two possibilities not
> mentioned above, are polarity (or bit) reversal, and audio signal
> level.
> ... Also, I have found
> that the audio level of my Kenwood 2000 is too high (or perhaps has
> insuficient rc damping) for the PK-232, such that noise registers as

> data, giving "gunk".

After looking at the scope outputs of my '232, I don't trust the linearity of the automatic level control in the filters at all. Overdriving the input will add all sorts of spurious crud, and the same can be said for the audio section of the receiver. I use a Kenwood R-1000 and tap across the audio output with an transformer, cranking down the volume control to the minimum level that gives good copy. The audio transformer (8 to 500 ohm) steps up the voltage so that the audio amp in the receiver is operating at a low level.

Markz@ssc.uucp

From 6428144423891147591
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d33404d49c0a005
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10e16d,db104441d7d605a3
X-Google-Attributes: gid10e16d,public
X-Google-ArrivalTime: 1990-05-04 12:19:38 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!cs.utexas.edu!helps!uudell!ninja!root
From: root@ninja.dell.com (Randy Davis)
Newsgroups: rec.autos.driving,rec.ham-radio
Subject: Re: What is a CB radio?
Summary: 800 MHz cellular phone listening
Message-ID: <4719@uudell.dell.com>
Date: 4 May 90 16:42:13 GMT
References: <90121.014009SPW103@psuvm.psu.edu> <5703@gollum.twg.com>
Sender: news@uudell.dell.com
Reply-To: bigtex!uudell.dell.com!ninja.dell.com!rjd
Followup-To: rec.autos.driving
Organization: Dell Computer Corp., Austin TX
Lines: 26
Xref: gmdzi rec.autos.driving:784 rec.ham-radio:11256
Posted: Fri May 4 17:42:13 1990

In article <5703@gollum.twg.com> sawyer@twg.com (Bruce B. Sawyer) writes:
|In article <90121.014009SPW103@psuvm.psu.edu> SPW103@psuvm.psu.edu writes:
|>>But that's ILLEGAL and against the rules! And the guy at the car stereo shop
|>>and cellular phone sales TOLD me that it was IMPOSSIBLE for anyone to listen
|>>in on my cell phone conversations, and that it was illegal anyways...
|>Oh, and of course the salesman told you it was impossible and illegal -- he
|>is a salesman, and likely was just as lost as I/we are. :-]
|"As long as you don't act on the basis of what you hear, you are breaking no
|laws." Now let me tell you the reality...
|
|It was hilarious, just as my friend promised me. (But not entertaining enough
|that I would even think of plunking down $4K+ for a 9000 of my own.)

You don't need to spend $4k for an 800 MHz receiver. The Bearcat (Uniden) 200XLT portable picks up all the cellular frequencies offset 21.7? MHz higher (something to do with a harmonic and the way a superhet receiver works). Retails for $250. If you want them to be at the correct place, there is a modification (adding or removing a resistor) that unlocks the cellular band (only the American ones are locked out because of the Electronic Privacy Act, the foreign ones are made with the frequencies accessable). In addition to the cellular band, you get 200 channel programming in 10 bands and coverage of just about all Fire/Police/Emergency/Weather/cordless phone/CIA/FBI/etc.. frequencies, all in a portable with a rechargeable battery.

```
Randy Davis                      UUCP: ninja.dell.com!rjd
--
```

```
From 3167961468613898716
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6552a5892929b226,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-30 08:56:52 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL PFB NR 17
Message-ID: <1500@n8emr.UUCP>
Date: 29 Apr 90 23:41:26 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 45
Posted: Mon Apr 30 00:41:26 1990
```

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==============================================================
|         Relayed from packet radio via                |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

ZCZC AP21
PROPAGATION FORECAST BULLETIN 17 ARLP017
FROM ED TILTON, W1HDQ
SPRING HILL FL APRIL 23, 1990
TO ALL RADIO AMATEURS

THE SOLAR FLUX TREND HAS BEEN DOWNWARD SINCE THE MIDDLE OF JUNE 1989, WHEN IT PEAKED AT 327. SEPTEMBER HAD FIVE DAYS OVER 300, BUT NONE HIGHER THAN 305. IT WAS THOUGHT THAT HIGHER READINGS MIGHT COME IN 1990, BUT THE FLUX HIGH OF THE YEAR SO FAR IS ONLY 265, AND THAT CAME BACK IN JANUARY. THE NEXT BEST MONTHLY HIGH, 249, CAME ON APRIL 20. A SUDDEN OUTBURST OF HIGHER FLUX LEVELS CANNOT BE RULED OUT YET, BUT CONSISTANTLY MUCH LOWER FLUX FIGURES IN 1990 SO FAR MAKE THIS A REMOTE CHANCE.

THE FLUX MADE A DRAMATIC CLIMB BEGINNING ON APRIL 9, BUT THE BEHAVIOR OF THE EARTHS MAGNETIC FIELD WAS A MORE INTERESTING BUT

FRUSTRATING ASPECT OF THE MONTHS PROPATGATION THUS FAR. THE FLUX ROSE FROM 144 UP TO 249 IN ONLY 11 DAYS, BUT WHAT HAPPENED ALONG THE WAY IS OF GREATER INTEREST. ON THE 9TH, THE K INDEX ROSE FROM TWO TO FIVE. OVER THE NEXT SIX DAYS IT WAS NEVER BELOW THREE, AND MUCH OF THE TIME IT WAS SIX OR SEVEN. SUCH FIGURES MADE FOR ALMOST NO USEFUL PROPAGATION ON HIGH LATITUDE PATHS FOR THE BETTER PART OF A WEEK, EVEN AT THE AUTHORS FLORIDA LOCATION.

THINGS STARTED TO IMPROVE AFTER THE 20TH, BUT REALLY GOOD SIGNALS FROM PLACES LIKE NORTHERN EUROPE ARE STILL RARE. THE SOLAR FLUX IS HEADED DOWNWARD AGAIN, SO THE REST OF APRIL SHOULD BE BETTER FOR HIGH LATITUDE PROPAGATION.

AMERICAN SUNSPOT NUMBERS FOR APRIL 12 THROUGH 18 WERE BETWEEN 88 AND 226 WITH A MEAN OF 159.4. AR

--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From 2284160161555802372
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca4de5bf1bb1a01e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-30 08:57:08 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: arrl
Message-ID: <1502@n8emr.UUCP>
Date: 30 Apr 90 03:15:08 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 63
Posted: Mon Apr 30 04:15:08 1990

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==============================================================
|        Relayed from FIDONET via                           |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
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HAM RADIO HISTORY

4 Billion BC - Earth is a swirling ball of flaming gases. Propagation is extremely poor.

1 Billion BC - First dry land appears. It is divided up into squares.

County Hunters Club formed.

500 Million BC - Second patch of dry land appears. First DXpedition. Credit disallowed because of questionable licensing agreement.

400 Million BC - Flowering plants and grasses evolve. Telrex invents first beam antenna but sales area slow because of lack of suitable structures.

300 Million BC - First tree appears. It is immediately cut down, stripped of branches, placed in a concrete base and named a telephone pole. Telrex sells first beam.

200 Million BC - Second beam sold by Telrex. Installer falls from top of pole. First safety belt sold.

100 Million BC - First mountain appears. Repeater invented.

50 Million BC - It is decided by WARC that "seek you" is too cumbersome to send on CW, so abbreviation "CQ" is adopted.

4 Million BC - Humans replace swine as dominant species. The name "Ham Operator" hangs on, however.

3 Million BC - Dugout canoe invented. Maritime Mobile Net formed on 14.313 mHz.

2 Million BC to 800 AD - Nothing much happens for a long time.

900 AD - Chinese invent gunpowder. BY1AA is first "Big Gun" DXer.

1790 AD - Ben Franklin invents long wire receiving antenna. Ground switch invented.

1961 AD - Second repeater erected. First repeater group refuses to change frequency. First frequency coordinator appointed.

1990 AD - Amateur radio humor sinks to a new low.

.....

Published in the Spring 1990 Handi-Hams Newsletter, originally appeared in the LYERS Newsletter.

--

Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

```
From -8890663705019709488
X-Google-Language: ENGLISH,ASCII-7-bit
```

X-Google-Thread: 10c9e3,9704c57c4a79919c,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,9704c57c4a79919c,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-04-30 09:55:14 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!samsung!cg-atla!raybed2!ewb
From: ewb@raybed2.ray.com (EUGENE BALINSKI)
Newsgroups: rec.ham-radio.swap,rec.ham-radio
Subject: 1200 MHz radio wanted
Keywords: Icom 1200, 1201, or Kenwood TM-531
Message-ID: <1588@raybed2.ray.com>
Date: 30 Apr 90 16:55:14 GMT
Followup-To: poster
Organization: Raytheon Co., Tewksbury, Mass.
Lines: 11
Xref: gmdzi rec.ham-radio.swap:409 rec.ham-radio:11157
Posted: Mon Apr 30 17:55:14 1990

RADIO WANTED

WANTED ICOM 1200, 1201, or a Kenwood 531 1200 MHz radio in good condition. Please send info about condition, accessories, and asking price.

Thanks
Gene WA1UXA

...!rayssd!raybed2!ewb
Preferred Address ----> ewb@swlvx2.msd.ray.com

From -7354944037697978889
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,244fe86bd749fa68,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-30 10:12:02 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!van-bc!ubc-cs!alberta!dvinci!weyr!Ken.Crowston
From: Ken.Crowston@weyr.FIDONET.ORG (Ken Crowston)
Newsgroups: rec.ham-radio
Subject: QSLing
Message-ID: <652.263BF199@weyr.FIDONET.ORG>
Date: 30 Apr 90 07:43:55 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 51
Posted: Mon Apr 30 08:43:55 1990

On The Subject of QSLing

I would like to present a few points from my side with the hope that the message might get across to those who want so badly to get a QSL from my part of Canada and which can also apply to many other stations

in many parts of the world.
{
- I QSL via the bureau when I receive your card and as this is a hobby it may take some time to fill out cards. I also wait until I have enough card ready to make sending them to the bureau worth while.

- I only QSL direct if I am especially interested in receiving your card, I send you an IRC or green stamp, when we have agreed to it in the QSO, when you want my card and send me an IRC or green stamp.

- If you QSL direct without my agreeing to the same and do not send an IRC or green stamp, I will send you a QSL via the bureau.

My reasons for handling QSLs this way is simple and something we should all consider. Ham radio is not (fortunately) only a rich man's (woman's) hobby. I for one am far from being rich and what little money I can spare for the hobby is better put to equipment and keeping the station in operation. At the postal rates in Canada, almost $0.50 to the US and $1.00 to Europe, I could spend $50.00 plus each month when I am active. I can not afford this expense!

US amateurs are the worst on my list for sending QSLs direct with the assumption that I will automatically QSL direct with them. For this reason I (and others) restrict my operations in the US portions of the bands. The QSL issue becomes a big hassle. Explaining my rules for QSLing at times brings nasty comments. Nothing personal, but I need very few US QSL cards. I have a drawer full of them. I can work most parts of the states any time of the day.

After many years of being on the air I no longer have the same interest in collecting cards that others may have. I have a large collection of QSLs from all over the world. In most cases others may want my card much worse then I want theirs. I would be pleased to QSL with anyone who will follow the simple rules, which I feel are basic courtesy to other stations.

73's DE VE5KEN - Ken E. Crowston,
Saskatoon, Saskatchewan, Canada
(Rare DX ?)

--
Ken Crowston - via FidoNet node 1:140/22
UUCP: alberta!dvinci!weyr!Ken.Crowston
Internet: Ken.Crowston@weyr.FIDONET.ORG
Standard Disclaimers Apply...

From 5037422634612011675
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4623dc39f68e3df
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-30 10:16:13 PST
Path: gmdzi!unido!mcsun!uunet!ack.stanford.edu!shelby!unix!Teknowledge.COM!uw-

beaver!ubc-cs!van-bc!zaphod.mps.ohio-state.edu!usc!randvax!ucla-an!stb!driver8
From: driver8@stb.info.com (Hugh Whats-his-name)
Newsgroups: rec.ham-radio
Subject: Re: The Black Hole Effect
Summary: Auroral effects in Michigan
Keywords: Life where the band is dead...
Message-ID: <1990Apr29.194348.15867@stb.info.com>
Date: 29 Apr 90 19:43:48 GMT
References: <1990Apr25.100922.18002@lopez.UUCP>
Sender: driver8@stb.info.com (Hugh Stegman)
Organization: The Serial Tree BBS, +1 213 397 3137
Lines: 29
Posted: Sun Apr 29 20:43:48 1990

In article <1990Apr25.100922.18002@lopez.UUCP> flash@lopez.UUCP (Gary Bourgois) writes:
>
>Is there anyone North of me on the net? (Sorry Toronto, and Montreal,
>you are my neighbors to the SOUTH!). I would like to know how much of
>this stuff is Aroural, and how much is because of the Permeability of
>our iron rich ground shelf.

This article, and the next one, describe some pretty classic auroral sky-wave effects. The last episode you mention came during a minor storm period. The time of night (strongest when the sun is directly opposite you) is auroral oval stuff all the way. If you can get anyone who studies geomagnetism interested, you could try correlating your data with stuff like aa indices, substorms, bays etc etc.

The ground-wave effects are outside my expertise. All I can suggest is to grab an FAA aeronautical chart and see if any magnetic anomalies are noted for your area.

There's a place in Santa Monica, CA where posts move by themselves and KXLU suddenly goes away (despite being in the 100 dB contour). Local mysteries are great fun.

```
--
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
 Hugh Stegman NV6H                                       driver8@stb.info.com
 RCMA Below 30 MHz                                          denwa!stb!driver8
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
```

From 1740304845465305097
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d33404d49c0a005,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-30 11:15:01 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil

From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: What is a CB radio?
Message-ID: <30500515@ux1.cso.uiuc.edu>
Date: 30 Apr 90 15:12:00 GMT
References: <12850@bambam.WELLESLEY.EDU>
Lines: 50
Nf-ID: #R:bambam.WELLESLEY.EDU:12850:ux1.cso.uiuc.edu:30500515:000:2177
Nf-From: ux1.cso.uiuc.edu!phil   Apr 30 10:12:00 1990
Posted: Mon Apr 30 16:12:00 1990

> >1. What are the frequencies for those CB radio channels?
>
> The CB frequencies straddle 27 MHz.

Frequency	Frequency	Source	Description
26.965		fcc rule	CB ch 1
26.975		fcc rule	CB ch 2
26.985		fcc rule	CB ch 3
27.005		fcc rule	CB ch 4
27.015		fcc rule	CB ch 5
27.025		fcc rule	CB ch 6
27.035		fcc rule	CB ch 7
27.055		fcc rule	CB ch 8
27.065		fcc rule	CB ch 9
27.075		fcc rule	CB ch 10
27.085		fcc rule	CB ch 11
27.105		fcc rule	CB ch 12
27.115		fcc rule	CB ch 13
27.125		fcc rule	CB ch 14
27.135		fcc rule	CB ch 15
27.155		fcc rule	CB ch 16
27.165		fcc rule	CB ch 17
27.175		fcc rule	CB ch 18
27.185		fcc rule	CB ch 19
27.205		fcc rule	CB ch 20
27.215		fcc rule	CB ch 21
27.225		fcc rule	CB ch 22
27.235		fcc rule	CB ch 24
27.245		fcc rule	CB ch 25
27.255		fcc rule	CB ch 23 (note: ch 23 is out of sequence)
27.265		fcc rule	CB ch 26
27.275		fcc rule	CB ch 27
27.285		fcc rule	CB ch 28
27.295		fcc rule	CB ch 29
27.305		fcc rule	CB ch 30
27.315		fcc rule	CB ch 31
27.325		fcc rule	CB ch 32
27.335		fcc rule	CB ch 33
27.345		fcc rule	CB ch 34
27.355		fcc rule	CB ch 35

27.365	fcc rule	CB ch 36
27.375	fcc rule	CB ch 37
27.385	fcc rule	CB ch 38
27.395	fcc rule	CB ch 39
27.405	fcc rule	CB ch 40

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 8788878242318735850
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49fed5c440c795d9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-30 11:52:35 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!uunet!apctrc!zslf0a
From: zslf0a@trc.amoco.com (Steven L. Farmer)
Newsgroups: rec.ham-radio
Subject: Re: TV QRM to hams
Message-ID: <1610@apctrc.UUCP>
Date: 30 Apr 90 14:33:24 GMT
References: <9004271246.AA07435@cmr.ncsl.nist.gov>
Sender: news@apctrc.UUCP
Reply-To: zslf0a@gpss5.UUCP (Steven L. Farmer)
Organization: Amoco Production Company, Tulsa Research Center
Lines: 23
Posted: Mon Apr 30 15:33:24 1990

In article <9004271246.AA07435@cmr.ncsl.nist.gov> rc@CMR.NCSL.NIST.GOV (Robert Carpenter) writes:

>I attribute the change of interference level with picture brightness to a
>change in the BEAM CURRENT of the CRT. Thus the HV lead may well radiate,
>though the picture-tube-cone capacitance might help reduce this a lot.
>I certainly hear my computer a lot louder when the screen is full of text
>rather than just a simple   C>   in the upper left corner.
>
>Just a thought.
>73, Bob W3OTC

I think that in this particular case the radiation is being supported by the cable system. The same tv with rabbit ears causes no interference. I have added a high pass filter and a 6db attenuator at the tv and another high pass filter at the wall outlet for the cable along with a dc blocking device. This reduced the interference all the way down to extremely annoying.

I suspect that the energy is coupled into the cable rather than being carried by the coax shield (that's what the dc blocker was for - it simply introduces a small break in the shield). The cable company, of course, denies that the problem could be in their system.

73's - Steve WA5RPF

```
From 1679295385279195332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f8e5182c4fc09f9d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-30 11:53:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!hellgate.utah.edu!uplherc!
esunix!hcooper
From: hcooper@esunix.UUCP (Harrison Cooper)
Newsgroups: rec.ham-radio
Subject: GEEZ, WHAT IS WRONG WITH YOU GUYS ????
Keywords: autopact
Message-ID: <1911@esunix.UUCP>
Date: 30 Apr 90 18:53:08 GMT
Organization: Evans & Sutherland, Salt Lake City, Utah
Lines: 39
Posted: Mon Apr 30 19:53:08 1990
```

Subject: Autopatch in Maryland.

Hmmm, I MUST have missed something in the original request. The person asked what are the local repeaters in Maryland operating on any band - i.e., 10M, 2M, 220MHz, 440MHz and the GHz areas. Simple question. Granted that he SHOULD purchase a repeater directory, but what if he doesn't know where to get one, or who to ask ? Is he newly licensed? Did he just purchase his radio, and would like to get on the air, so he could join a local club, and use the repeaters patch?

Where does he say he is trying to bypass the local phone company? Why does anyone use a patch? I rarely use one, and in the last several months, I have only made a single patch home - but it is there just in case.

Face it, 89.234% of all patches could be made by stopping at the phone booth, but we don't.

If I had a repeater guide, I would gladly e-mail the info he requests (oops, is that a copyright problem --- scratch that, it would just cause another 2 months worth of flames).

Replies of the like make me afraid of asking questions, in fear of being labled stupid, or it doesn't belong here, etc.

LIGHTEN UP, WOULD YA!!!

[Jumping down off soapbox]

D
D

D
C
C
C
H. C

```
From -8694539694725367605
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,500f9e7d0227ea35
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-30 13:57:56 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: Phase-Sequence filters for SSB
Message-ID: <43565@iuvax.cs.indiana.edu>
Date: 30 Apr 90 15:06:46 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 35
Posted: Mon Apr 30 16:06:46 1990
```

>One way to implement the audio phase difference for the phasing
>method of SSB generation is described in _The_ARRL_Handbook_ and in
>Horowitz and Hill's _The_Art_of_Electronics_ 2nd ed. page 295. They
>call it a phase-sequence filter and it consists of a cyclic network
>of resistors and capacitors, driven by two signals of 180 degree
>phase difference, producing four outputs 90 degrees apart. Does
>anyone here have any experience with these filters? In particular,
>how are they designed and analyzed? References?
>Thanks,
>Bob Kelley

This device is an all-pass network with constant phase shift throughout the speech spectrum.

See _QST_ January 1988, p. 16: "A New Breed of Receiver" by Gary A. Breed, K9AY (who, incidentally, is the editor of _RF Design_ magazine). This article contains the schematic for an active 90-degree audio phase-shift network using 8 operational amplifiers. The article also contains an excellent explanation of how the phasing method eliminates one sideband.

The advantages of the phasing method is that it requires no expensive RF SSB filter, and is frequency agile. A properly-aligned phasing-type transmitter is said to have better audio quality because there is no ringing from a sideband filter.

Disadvantages: The phasing method requires _two _ balanced modulators, and phase-shift networks for both audio and RF. It has a higher parts-count, and is more difficult to align. Perhaps it will become more popular with the advent of inexpensive Direct Digital Synthesizers (DDS) which can easily produce quadrature RF.

--

Frank Reid   W9MKV   reid@ucs.indiana.edu

From -3602258458803178357
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e25a4c2448447fb5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-30 15:19:53 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Dayton-- Good Show!
Message-ID: <43580@iuvax.cs.indiana.edu>
Date: 30 Apr 90 16:38:36 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 15
Posted: Mon Apr 30 17:38:36 1990

Having complained about sanitation at the Dayton Hamvention in the past, I must say that this year they appeared to have made a major and successful effort to remove trash and maintain the portable outhouses. All in all, I had a fine time in Dayton. Thanks, DARA!

This year I remembered to carry a pedometer. I spent all of Friday and Saturday at the Hamvention, and did the Air Force Museum on Sunday. The weekend total hike was 18.2 mi.

BTW, the AF Museum's newly-acquired SR-71 will be on display in June.
(They have had a lookalike YF-12 for several years.)
--

Frank Reid   W9MKV   reid@ucs.indiana.edu

From 7490855646314909536
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1da0770b0afaaa8c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-30 16:36:51 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!
elroy.jpl.nasa.gov!hydra!jta
From: jta@hydra.Jpl.Nasa.Gov (Jon T. Adams)
Newsgroups: rec.ham-radio
Subject: Part 97
Summary: Is Part 97 on the InterNET?
Keywords: Part 97, FCC, rules, plugged nickle
Message-ID: <1990Apr30.184309.1408@elroy.jpl.nasa.gov>
Date: 30 Apr 90 18:43:09 GMT
Sender: news@elroy.jpl.nasa.gov (Usenet)

Organization: Jet Propulsion Laboratory, Pasadena, California
Lines: 15
Posted: Mon Apr 30 19:43:09 1990

Good day, Internettiteers!

Anyone out there know if there's a source of the most current
Part 97 revisions available via FTP or Email? I own several
copies of the WY5I (I think) copy dated October 1989, and I
suppose that I could send money to the US Govt Printing Office and
get a subscription to everything ever printed, but I'm lazy and
my postman would hate me anyway...

73 - Jon
--
Jon Trent Adams, NW6H | "Amateur Radio isn't Everything;
JTA@hydra.jpl.nasa.gov | It's the ONLY thing..." - me
These are just OPINIONS, ok?!? | Prevaricator : Raconteur : Engineer
Quantum Chromodynamicist : Blonde : Railroader : Desert Dog : Way-rad

From -8169151998641103798
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15faf21f575f7d9a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-30 17:34:39 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!helios.ee.lbl.gov!
hellgate.utah.edu!uplherc!wicat!keithm
From: keithm@wicat.UUCP (Keith McQueen)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood 721 Display Upgrade
Message-ID: <453@wicat.UUCP>
Date: 1 May 90 00:34:39 GMT
References: <724@west.West.Sun.COM> <1530044@hpsad.HP.COM>
Reply-To: keithm@wicat.UUCP (Keith McQueen)
Organization: WICAT Systems, Orem, Utah
Lines: 61
Posted: Tue May 1 01:34:39 1990
X-Local-Date: 30 Apr 90 17:34:39 PDT

In article <1530044@hpsad.HP.COM> mikew@hpsad.HP.COM (Mike Weihman) writes:
>
>I, too, bought and installed the display kit for the tm721 from
>Kenwood. My thoughts:
>
>The folks at Kenwood Service were easy to deal with. The kit was
>moderately priced, and was shipped quickly and correctly to me.
>
>The new display strikes me as a bit of a wimp-out, though. It does
>work well in bright sunlight, but has a few drawbacks:

I installed wone of these the other day, and not knowing what to
do with the old display, I (what else...) took it apart to see what

made it tick. (Inquiring minds want to know...).

The old display is actually an LCD also. Unfortunately, Kenwood went to great lengths to defeat the main strengths of an LCD.

First, I should describe what I found. The LCD display panel is masked with black everywhere that there is not a display element. Such that if all elements were turned on, that is, blackened, (no flames about whether black is "ON" or "OFF" please, I prefer to think of black as on. OK?) the whole display would be completely black. If all elements were turned off, that is "clear", then you could see all of them, but only by looking through them.

Behind this display is a piece of plastic with areas colored in the color that Kenwood wanted that area of the display to look. Behind this is a simple "light pipe" -- clear block of plastic with small "grain of wheat" type light bulbs mounted around the edges.

The LCD elements are used in reverse of the normal LCD display. That is that an element is made clear when it is to be seen, made black when it is not intended to be seen.

Normally, an LCD is visible by masking the background light, which either comes from ambient light during the day or the internal back lighting at night.

The problem is that the little bulbs used by Kenwood could not overcome the ambient light during the day, hence...you couldn't read it. The display wasn't that great at night either because the colored plastic filter attenuated the light so badly that the display was quite dim then.

Kenwood had a good idea when they tried to make a colored display using LCD technology, unfortunately, they appearantly failed to test the thing outside of a darkend lab. Too bad. A real design SNAFU. I hope someone got chewed out over that one. I know I would if I had done something that dumb.

By the way, I believe that a '721 with the new display, or the new '731 to be a near perfect radio. (All radios have warts, I just hate it when they design a great radio and then put in one fatal flaw...)

PS, the term "WART" is my word for a "MIS-FEATURE".

```
--
 Keith McQueen, Wicat Systems Inc. , (801)224-6400      | My opinions are |
 N7HMF @ NV7V.UT.USA.NA (84058), 147.34+, 449.675-      | all mine...     |
```

From 7109225153199787996
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b215e671cf2a16fa

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-30 17:58:23 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!helios.ee.lbl.gov!hellgate.utah.edu!uplherc!wicat!keithm
From: keithm@wicat.UUCP (Keith McQueen)
Newsgroups: rec.ham-radio
Subject: Re: Code training program...
Message-ID: <454@wicat.UUCP>
Date: 1 May 90 00:58:23 GMT
References: <5A0416133A080312-MTABWIDENER*DXANDY@widener>
<1990Apr24.172123.2976@world.std.com>
Reply-To: keithm@wicat.UUCP (Keith McQueen)
Organization: WICAT Systems, Orem, Utah
Lines: 40
Posted: Tue May 1 01:58:23 1990
X-Local-Date: 30 Apr 90 17:58:23 PDT

In article <1990Apr24.172123.2976@world.std.com> dfickes@world.std.com (David Fickes) writes:

>
>Does anyone have a code training program for an IBM-PC running
>MS/LOSS ?
>
>thx, david
>

Yes, a friend an I wrote one that has been widely distributed in Utah and other areas. It has too many features to describe them all, but here are a few:

- Does not require calibration for speeds up to 50+ WPM
- Supports "Farnsworth" method (fast chars with slow spacing)
- Menu driven
- Provides practice in random code groups, plain text, random QSO's, random words, random prosigns etc.
- Many many many many more features...

Contact Jim Raehl, N7KXI (good in the callbook or use the work phone number in my .sig)

The program will soon be distributed by Antennas West (check for ads in the common Ham rags...)

I wrote most of the low-level code in the thing, and believe it to be one of the best programs for the pc around. (Me biased? Naaa...)

I recieve nothing for this, just many warm fuzzies when I can help a prospective ham.

By the way, it is being used by several of the local VE teams for code exams.

73 all!

```
--
 Keith McQueen, Wicat Systems Inc. , (801)224-6400      | My opinions are |
 N7HMF @ NV7V.UT.USA.NA (84058), 147.34+, 449.675-      | all mine...     |
```

From 62406946495729808
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d33404d49c0a005
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-30 23:48:18 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpcc01!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: What is a CB radio?
Message-ID: <18230006@col.hp.com>
Date: 30 Apr 90 16:18:14 GMT
References: <12850@bambam.WELLESLEY.EDU>
Organization: HP Colorado Springs Division
Lines: 16
Posted: Mon Apr 30 17:18:14 1990

Just wanted to clarify a previous response regarding cellular phones. Cellular phones are NOT scrambled (encrypted); although there are many cell phone salesmen that would like their customers to believe this. Cell phones operate in the ranges 825 to 850 MHz (mobile input channels to the cell site and 870 to 895 MHz (base output channels) from the cell site. A cellular phone might be an acceptable substitute for a CB radio, but only in metropolitan areas (large cities). Most cellular services have agreements among each other which will allow a cell phone under one service (such as Cellular One) to use another service (such as US West Cellular) in areas not served by Cellular One. I don't know what charges are in other parts of the country, but in Colorado Springs, a cell phone may be purchased for 300 to 600 dollars with monthly fees from 15 to 50 dollars per month depending upon the number of calls made.

For general purpose emergency use, I would still recommend the use of CB rather than cellular.

From 3390310166247725008
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7353301113ef3b4a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-30 23:49:21 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!sdd.hp.com!hplabs!hpda!hpcuhb!hpsqf!hpqtdla!jdg
From: jdg@hpqtdla.HP.COM (James Gentles)
Newsgroups: rec.ham-radio
Subject: Re: The Black Hole Effect (additional data)
Message-ID: <3430003@hpqtdla.HP.COM>

Date: 30 Apr 90 14:07:57 GMT
References: <1990Apr26.063653.1859@lopez.UUCP>
Organization: HP, Queensferry Telecomms, Scotland
Lines: 23
Posted: Mon Apr 30 15:07:57 1990

>>
>> Marquette is at 47 degrees North Lattitude.
>
>This cannot be, by itself, an important factor.   Much of Europe is
>north of 47 degrees. I think Bern, Switzerland, is at about 47 degrees.

Latitude cant have anything to do with it, Here in Southern Scotland, 55deg59'10" N 3deg24'40" W although Auroral communications is not unheard off is is more the domain of those a few degrees further up in the north of the country. I'll go for the ore in the ground being at the root of it.

Anyone on the net beat 60deg north or south?

James (land of the 11pm sun) Gentles

```
---------------------------------------------------------------------
Opinions expressed are my own, and are not intended to be an official
              statement by Hewlett-Packard Company
---------------------------------------------------------------------
Name:         James Gentles   GM4WZP           located near EDINBURGH
Organization: Hewlett-Packard  Queensferry Telecomunications Division
Email:        jdg@hpqtdla.hpsqf.hp.com                         hp-sdd
Address:      Station Road, South Queensferry, West Lothian, Scotland
---------------------------------------------------------------------
```

From -807367379869499595
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a576a79b72da4dd3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-01 01:14:57 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!ucsd!sdd.hp.com!hplabs!hpcc01!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: IC2400/IC-970
Message-ID: <18230007@col.hp.com>
Date: 30 Apr 90 16:23:12 GMT
References: <1990Apr28.215058.2269@ccu.umanitoba.ca>
Organization: HP Colorado Springs Division
Lines: 4
Posted: Mon Apr 30 17:23:12 1990

I probably shouldn't speak for him, but Ed Juge (marketing VP at Tandy) recently purchased on and has generally favorable comments. You may find his exact comments in the ICOM message section of HAMNET (Compuserve Network).

```
From -2718170121775768455
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2302b2273a6fc067
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-01 03:26:35 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!apple!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: (none)
Summary: MININEC not on pd:<cpm.hamradio>
Message-ID: <46@thoreau.nsc.com>
Date: 30 Apr 90 18:33:12 GMT
References: <9004280704.AA19778@ucbvax.Berkeley.EDU>
Organization: National Semiconductor, S. Portland, Maine
Lines: 16
Posted: Mon Apr 30 19:33:12 1990

In article <9004280704.AA19778@ucbvax.Berkeley.EDU>, BUSH@S51.Prime.COM writes:
> Mininec2 does indeed live on WSMR-SIMTEL20. You can find it in:
>
>     PD1:<MSDOS.HAMRADIO>MININEC3.ARC
>
    (a bit deleted)
>
> This works fine for those of us using ms-dos machines. Anyone out there
> want to give access directions for other (non-MS-DOS) partitions on SIMTEL20?
>
>
   As of 5 april 1990 MININEC3 was not in the CMP directory of SIMTEL20.
There are a few propogation programs and some other items.  The directory
is only 20 files.

Ron Todd,   K3FR                  the "PATHFINDER" guy


From 9048868940197312947
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a576a79b72da4dd3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-01 03:38:18 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!sdd.hp.com!zaphod.mps.ohio-
state.edu!uwm.edu!lll-winken!sun-barr!newstop!west!L1-A.West.Sun.COM!flloyd
From: flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix 602-275-4242)
Newsgroups: rec.ham-radio
Subject: RTTY Listening Question
Keywords: how do you do it?
Message-ID: <764@west.West.Sun.COM>
Date: 30 Apr 90 23:08:05 GMT
References: <1990Apr28.215058.2269@ccu.umanitoba.ca> <18230007@col.hp.com>
Sender: news@west.West.Sun.COM
Organization: Sun Microsystems, Mt. View, Ca.
```

Lines: 28
Posted: Tue May 1 00:08:05 1990

Last night I spent a frustrating evening trying to listen in on some various commerical and ship-to-shore rtty traffic on the shortwave bands. I once got some recognizable traffic, but mostly gunk. Even when the stations were S-9plus, still gunk. Is everything encrypted or am I doing something wrong? I'm receiving on LSB, and also use the FSK setting on my TS-440. Ok in the ham bands, no problem there.

I'm using an MFJ 1278 multi-mode data controller, and another irritating aspect of its use is that it does not auto configure to the mode/baud being received. (I understand that the PK-232 does this) For example, the station might be 50, 75, 100 or some other baud and the practice of trial and error with the MFJ baud settings is infuriating.

I'm using MFJ firmware release 2.2 and the OPMODE command does not work either. Can anyone shed some light on these topics?

Thanks in advance,

-fred

```
--
| Fred Lloyd  AA7BQ                              flloyd@West.sun.com |
| Sun Microsystems, Inc.                                ...sun!flloyd |
| Phoenix, AZ                                                         |
```

From -8110658044542810190
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,23ccd005d9c84fc7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-01 05:40:44 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!samsung!think!yale!husc6!genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: 3-year-old learns Morse Code
Message-ID: <36037@genrad.UUCP>
Date: 1 May 90 12:40:44 GMT
Sender: news@genrad.UUCP
Lines: 18
Posted: Tue May 1 13:40:44 1990

I've heard rumors that there is a 3-year-old that just took AND PASSED the 5 wpm Morse Code test in Oklahoma. Presumably, this 3-year-old cannot read, does not know her alphabet yet, cannot write, so is normal in most respects (how many 3-year-olds do you know that can do Morse Code though?).

The test was taken on a computer.....her father (also a ham :-) taught her "when you hear di-dah, press this key, the A key". I believe the father is now trying to figure out how to get her past the Novice Written test, within the year before the Certificate expires.....

Anyone have any first hand knowledge about this rumor? I'd be interested....
Who said that "not everyone can learn Morse Code" .....:-)

Diana

```
->Diana L. Syriac   CAP: SM, Freedom 690 Mobile    Ham: KC1SP(1 super pilot)<-
->USmail:   GenRad Inc., Mail Stop 6, 300 Baker Ave, Concord, Mass.  01742  <-
->usenet:   {decvax,mit-eddie}!genrad!dls      or dls@genrad.com
         <-
->tel:       (508) 369-4400 x2459    I'D RATHER BE FLYING!!!
             <-
```

From -3312980726997964871
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,701b688dc7789017
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-01 06:24:15 PST
Path: gmdzi!unido!mcsun!uunet!ingr!youngwa
From: youngwa@ingr.com (William Young x4410)
Newsgroups: rec.ham-radio
Subject: Re: Need unobvious 2 meter antenna...
Summary: Question about j-pole
Message-ID: <10021@ingr.com>
Date: 30 Apr 90 14:38:38 GMT
References: <2870@ultb.isc.rit.edu> <7880142@hpfcdc.HP.COM>
Organization: Intergraph Corp. Huntsville, Al
Lines: 16
Posted: Mon Apr 30 15:38:38 1990

In article <7880142@hpfcdc.HP.COM>, perry@hpfcdc.HP.COM (Perry Scott) writes:
> Try a J-pole made of twinlead. It's 5' tall, and virtuall disappears if
> you use the clear variety. Send e-mail for more info.

I'm interested in the details for j-pole contruction. Please post the info in the group, as I'm not familiar with e-mail outside this area.

Thanks in advance,

William A. Young N4WMT

```
--
#   William A. Young  (Butch)       N4WMT                                  #
#   Mail Stop CR086   Building 8            Telephone (205) 730-4410      #
#   Intergraph Corporation                  7:30am-4:15pm (0730-1615)     #
#   Huntsville, AL  35894-0001                                             #
```

From -6422270250873875103
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f81498a3eb63e113,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,f81498a3eb63e113,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-05-01 07:24:16 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!uwm.edu!psuvax1!psuvm!afz1
From: AFZ1@psuvm.psu.edu
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: 9M2DX operation
Message-ID: <90120.195910AFZ1@psuvm.psu.edu>
Date: 30 Apr 90 23:59:10 GMT
Organization: Penn State University
Lines: 23
Xref: gmdzi rec.ham-radio:11154 rec.ham-radio.packet:2163
Posted: Tue May 1 00:59:10 1990

Dear friends ---

I will be returning home to Kuala Lumpur, Malaysia, at the end of May. I have been operating N3FLX while in the States. I plan to be active on the OSCARs and Moonbounce from 9M2 land.

If there are any hams out there who would like to dispose of any items that may be useful to me, I will greatly appreciate that. I am looking for items would enable a good satellite and moonbounce (2m and 70cm) stations to be setup. My moonbounce experience was gained at K3CR (Penn State Amateur Radio Club station) and taught by AF1T (2m WAS #100). It is my dream to finally setup a super-duper moonbounce station.

So, if anyone would like to donate any items of interest, please e-mail directly to me or through packet. Until then, 73 and hpe to cu soon.

Ahmad, N3FLX/9M2DX.

```
<<  AHMAD F. M. ZAIN                   BITNET : AFZ1@PSUVM             >>
<<  316 COMM AND SPACE SCIENCE LAB     PACKET : N3FLX@WA7SSO.PA.USA.NA >>
<<  ELECTRICAL ENGINEERING EAST         RADIO   9M2DX@9M2BBS.MYS.AS    >>
<<  PENNSYLVANIA STATE UNIVERSITY      AMPR.ORG : 44.080.0.133         >>
<<  UNIVERSITY PARK, PA 16802.               "TIME IS LIFE"            >>
```

From 6531317128901754320
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,500f9e7d0227ea35
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-01 08:35:36 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!usc!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!hpcuhb!hpscdc!rkarlqu
From: rkarlqu@hpscdc.scd.hp.com (Rick Karlquist)
Newsgroups: rec.ham-radio

Subject: Re: Phase-Sequence filters for SSB
Message-ID: <5490096@hpscdc.scd.hp.com>
Date: 30 Apr 90 22:09:53 GMT
References: <33977@sequent.UUCP>
Organization: Hewlett-Packard, Santa Clara Div.
Lines: 35
Posted: Mon Apr 30 23:09:53 1990

The big disadvantage of phasing SSB compared to filter type SSB comes to light when you look at carrier suppression. It is extremely difficult to get a mixer with good enough balance to get decent carrier suppression without operating the mixer at such a high level that unacceptable IM distortion is generated. Suppose a mixer has +7 dBm. LO drive and 40 dB. LO-RF leakage (a very good spec, rarely found). The LO will then come out of the RF port at 7-40= -33 dBm. To get 40 dB. third-order IM distortion you need to operate 20 dB. below the third-order IM intercept, which is typically 6 dB. higher than the LO drive, or 7+6= 13 dBm. 20 dB. below this is 13-20= -7 dBm. So you drive the *input* with -7 dBm. and with 6 dB. conversion loss, you get an output of -13 dBm. Since the LO is at -33 dBm., the carrier suppression is only 20 dB. Ham rigs that did better than that either had lousy IM numbers or used amplitude and phase "tweaks" to null out the residual leakage from the mixer, at least at one temperature.
That, in a nutshell, is why you never see phasing rigs anymore, and never did see them in commercial equipment which has to meet tight FCC specs. Phasing SSB is pretty much a ham-only technique at least for transmitters.

In a filter type exciter, an assymetrical filter with a very tight skirt on the carrier side is used to get an additional 20 dB. carrier suppression. Also, any IM generated in the balanced modulator is filtered by the SSB filter so it doesn't upset the FCC, it only causes audio distortion. Another ham-radio-only technique is to used a cheaper symmetrical SSB filter and change sidebands by switching the carrier oscillator crystal to the other side of the filter. These radios can be identified in some cases by the dual dial graticule lines on the front panel spaced 3 kHz. apart. The switched crystal technique usually makes it necessary to have a user operated carrier null pot to get decent carrier suppression.

Rick N6RK

From -8565442842370817927
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0e39b4d0480cff1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-01 10:40:16 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!
cs.utexas.edu!usc!ucsd!ucbvax!XEROX.COM!"Geoffrey_C._Williams.WBST207V"
From: "Geoffrey_C._Williams.WBST207V"@XEROX.COM

Newsgroups: rec.ham-radio
Subject: Wanted CW training program
Message-ID: <900430-142106-10048@Xerox>
Date: 30 Apr 90 19:05:06 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: G4JJO.WBST207V@Xerox.COM
Organization: The Internet
Lines: 12
Posted: Mon Apr 30 20:05:06 1990

Once again I have decided to improve my CW skills. This time intend to
succeed and to help I would like to get a good PC training program.
I have alredy looked at some and none of them do what I would like. I would
really like a program whereby I can send individual characters at 20 WPM
but spaced at some slower speed. This is how I got to 13 WPM by listening
to the sound of the character, and then increasing the effective WPM.
If anybody knows of such a programe please let me know.
Thanks and 73's
Geoff Williams

ARPA G4JJO.WBST207V@Xerox.COM

From 5698017874385490157
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d8b931575669615a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-01 10:40:34 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!ALASKA.BITNET!
JSDCF2
From: JSDCF2@ALASKA.BITNET ("Duncan C. Fowler, JSDCF2")
Newsgroups: rec.ham-radio
Subject: Looking for Digi Maps
Message-ID: <9005010710.AA03059@ucbvax.Berkeley.EDU>
Date: 1 May 90 05:21:32 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: "Duncan C. Fowler, JSDCF2"
<JSDCF2%ALASKA.BITNET@CORNELLC.cit.cornell.edu>
Organization: The Internet
Lines: 23
Posted: Tue May 1 06:21:32 1990

My wife and I will be taking a cross country car camping
trip starting June 17th. I plan to haul a packet rig with
me. We have done the 2 meter mobile packet routine in the
past and have enjoyed it.

I would appreciate receiving any packet maps of the areas we
will be traveling thru. From past experience, you find
PBBS's in the strangest places. I would hate to miss one
because I didn't have their frequency.

We will be driving down the Alaska Highway, across Canada to Manitoba, and eventually to Washington DC and back home again the same way to Juneau Alaska. We will drive thru British Columbia, Alberta, Saskatchewan, Manitoba, N. Dak, Minn, Iowa, Wisc, Ill, Indiana, Ohio, Penn, MD and West VA.

Send the packet maps to me via packet or BITNET. My addresses are KL7RH@KL7HFI or KL7RH@KL7AW by packet. I can also be reached thru BITNET at JSDCF2@ALASKA.BITNET

Thanks.

Duncan Fowler, KL7RH

From 4308533961994271273
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d33404d49c0a005
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10e16d,db104441d7d605a3
X-Google-Attributes: gid10e16d,public
X-Google-ArrivalTime: 1990-05-01 10:41:56 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!wuarchive!psuvax1!psuvm!spw103
From: SPW103@psuvm.psu.edu
Newsgroups: rec.autos.driving,rec.ham-radio
Subject: Re: What is a CB radio?
Message-ID: <90121.014009SPW103@psuvm.psu.edu>
Date: 1 May 90 05:40:09 GMT
Organization: Penn State University
Lines: 28
Xref: gmdzi rec.autos.driving:769 rec.ham-radio:11163
Posted: Tue May 1 06:40:09 1990

```
>>Of course, such phone calls (even cellular calls) are easily monitored
>>on most scanners.                ^^^^^^^^
>
>But that's ILLEGAL and against the rules!  And the guy at the car stereo shop
>and cellular phone sales TOLD me that it was IMPOSSIBLE for anyone to listen
>in on my cell phone conversations, and that it was illegal anyways...
>
```

I'm wondering if this is really illegal. I think you can get a scanner that will scan in the 800Mhz bands, so it is possible. And ANYTHING in the air is, as far as I know, public property -- including government bands, cellular phones, Radar waves (The major argument in the case against anti-radar detector laws). I believe the Supreme Court decided this awhile ago. Does anybody have any details? If I said I was sure I was right, I'd be a liar, but I'd like to know exactly what the laws say.

Oh, and of course the salesman told you it was impossible and illegal -- he is a salesman, and likely was just as lost as I/we are. :-]

My first post on the net, and maybe my last;

Steve (SPW103@psuvm)
****
"Everything should be made as simple as possible, but not simpler"
A. Einstien.
****

From -3695047026030665366
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,40c69606bb048c5c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-01 11:52:36 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!psuvax1!psuvm!mls129
From: MLS129@psuvm.psu.edu (Michael L. Sensor)
Newsgroups: rec.ham-radio
Subject: Need most recent callsigns
Message-ID: <90121.145236MLS129@psuvm.psu.edu>
Date: 1 May 90 18:52:36 GMT
Organization: Penn State University
Lines: 9
Posted: Tue May 1 19:52:36 1990

Does anyone out there have the most recent FCC callsign list (probably the one for April 1990)?

I need to know the current callsigns in the 3rd District.

Thanks in advance...

Mike Sensor KD3LR / AFA1UP
<MLS129@PSUVM>

From 727523557826614154
X-Google-Language: ITALIAN,ASCII-7-bit
X-Google-Thread: 10c9e3,7c3189baa9cd5d50,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-01 12:46:12 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: TV frequencies
Message-ID: <30500516@ux1.cso.uiuc.edu>
Date: 30 Apr 90 22:16:00 GMT
References: <38379@mips.mips.COM>
Lines: 74
Nf-ID: #R:mips.mips.COM:38379:ux1.cso.uiuc.edu:30500516:000:4416

Nf-From: ux1.cso.uiuc.edu!phil   Apr 30 17:16:00 1990
Posted: Mon Apr 30 23:16:00 1990

Frequency	Frequency	Source	Description
59.75	55.25		TV ch 2 audio & video
65.75	61.25		TV ch 3 audio & video
71.75	67.25		TV ch 4 audio & video
81.75	77.25		TV ch 5 audio & video
87.75	83.25		TV ch 6 audio & video
179.75	175.25		TV ch 7 audio & video
185.75	181.25		TV ch 8 audio & video
191.75	187.25		TV ch 9 audio & video
197.75	193.25		TV ch 10 audio & video
203.75	199.25		TV ch 11 audio & video
209.75	205.25		TV ch 12 audio & video
215.75	211.25		TV ch 13 audio & video
475.75	471.25		TV ch 14 audio & video
481.75	477.25		TV ch 15 audio & video
487.75	483.25		TV ch 16 audio & video
493.75	489.25		TV ch 17 audio & video
499.75	495.25		TV ch 18 audio & video
505.75	501.25		TV ch 19 audio & video
511.75	507.25		TV ch 20 audio & video
517.75	513.25		TV ch 21 audio & video
523.75	519.25		TV ch 22 audio & video
529.75	525.25		TV ch 23 audio & video
535.75	531.25		TV ch 24 audio & video
541.75	537.25		TV ch 25 audio & video
547.75	543.25		TV ch 26 audio & video
553.75	549.25		TV ch 27 audio & video
559.75	555.25		TV ch 28 audio & video
565.75	561.25		TV ch 29 audio & video
571.75	567.25		TV ch 30 audio & video
577.75	573.25		TV ch 31 audio & video
583.75	579.25		TV ch 32 audio & video
589.75	585.25		TV ch 33 audio & video
595.75	591.25		TV ch 34 audio & video
601.75	597.25		TV ch 35 audio & video
607.75	603.25		TV ch 36 audio & video
613.75	609.25		TV ch 37 (reserved for radio astronomy)
619.75	615.25		TV ch 38 audio & video
625.75	621.25		TV ch 39 audio & video
631.75	627.25		TV ch 40 audio & video
637.75	633.25		TV ch 41 audio & video
643.75	639.25		TV ch 42 audio & video
649.75	645.25		TV ch 43 audio & video
655.75	651.25		TV ch 44 audio & video
661.75	657.25		TV ch 45 audio & video
667.75	663.25		TV ch 46 audio & video
673.75	669.25		TV ch 47 audio & video
679.75	675.25		TV ch 48 audio & video

685.75	681.25	TV ch 49	audio & video
691.75	687.25	TV ch 50	audio & video
697.75	693.25	TV ch 51	audio & video
703.75	699.25	TV ch 52	audio & video
709.75	705.25	TV ch 53	audio & video
715.75	711.25	TV ch 54	audio & video
721.75	717.25	TV ch 55	audio & video
727.75	723.25	TV ch 56	audio & video
733.75	729.25	TV ch 57	audio & video
739.75	735.25	TV ch 58	audio & video
745.75	741.25	TV ch 59	audio & video
751.75	747.25	TV ch 60	audio & video
757.75	753.25	TV ch 61	audio & video
763.75	759.25	TV ch 62	audio & video
769.75	765.25	TV ch 63	audio & video
775.75	771.25	TV ch 64	audio & video
781.75	777.25	TV ch 65	audio & video
787.75	783.25	TV ch 66	audio & video
793.75	789.25	TV ch 67	audio & video
799.75	795.25	TV ch 68	audio & video
805.75	801.25	TV ch 69	audio & video

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 8544873901317497129
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d118b738082509
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,95d118b738082509
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,95d118b738082509
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-05-01 12:48:18 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!cs.utexas.edu!milano!peyote!majec
From: majec@peyote.cactus.org (Majec Systems)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio
Subject: Re: manuals for National SW Radio
Summary: Sorry folks I missed the model numbers on the note above. NC-200,
       and the navy version national is RAO-7 followed by 1 cna-46233.
      I am looking for manuals, scematics, and general info about these as they
Keywords: 1940s sw National radio
Message-ID: <670@peyote.cactus.org>
Date: 1 May 90 13:39:45 GMT
References: <667@peyote.cactus.org>
Organization: Capital Area Central Texas Unix Society, Austin, TX
Lines: 7
Xref: gmdzi rec.radio.shortwave:1120 rec.ham-radio.swap:410 rec.ham-radio:11165
Posted: Tue May 1 14:39:45 1990

In article <667@peyote.cactus.org>, majec@peyote.cactus.org (Majec Systems)

writes:
> I am looking for manuals, or a good source for manuals for a couple of 40s era shortwave radios. if you know of one.
> please reply on the net.

>
> Thanks Ed
>

```
From -2182954476216496620
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,940d4cdb7eef223b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-01 18:03:07 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!samsung!sdd.hp.com!hp-pcd!hpcvra!gregm
From: gregm@hpcvra.CV.HP.COM (Greg May)
Newsgroups: rec.ham-radio
Subject: AUTOPATCH ASSOCIATION????
Message-ID: <5710007@hpcvra.CV.HP.COM>
Date: 1 May 90 19:29:44 GMT
Organization: Hewlett-Packard Co., Corvallis, OR, USA
Lines: 37
Posted: Tue May  1 20:29:44 1990
```

I have a few questions that may quickly be answered by the net.

The local HAM club has recently installed an autopatch on the local university repeater (best repeater for local coverage and availability, etc.). It has been a long haul (1.5yrs) to get all the technical things worked out with the university club supporting the repeater and our club handling the autopatch side.

We have finally decided to open the patch to all users as long as we can get the financial support to pay the phone bills from those who use the patch (the repeater owners never asked for money for the use of the repeater). Our club has paid for the autopatch and the first year's bill in advance and it is up to the university club to maintain the repeater (this was a joint project and everything has worked out well).

In this effort we have felt that maybe we (two clubs) should form some sort of association (non-profit) to handle the money dedicated to patch/repeater support. HOW DO WE DO THAT? Is there anyone out there who has experience in this area? What has to be done for non-profit status? Can we even be considered for non-profit status if the money only goes to supporting the repeater/patch?

There was even talk of incorporating to cover us if somebody decided to sue because something didn't work when it was supposed to (like emergency autopatch). While we all believe there will never be a problem, there is always that chance, and I would like to review all of our options before we resort to closing the patch to only members of the two clubs who financially support our efforts. This would be a shame since our intention was to provide a community service by installing and maintaining the autopatch and improving the repeater.

I would appreciate any and all opinions......

Thanks,

Greg May gregm@hp-pcd.HP.COM

From 2536596078381744439
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4b277acddf7d743,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-01 18:03:48 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!usc!rutgers!deimos.cis.ksu.edu!unmvax!ariel!hydra.unm.edu!glenkirk
From: glenkirk@hydra.unm.edu (Glen Kirkpatrick)
Newsgroups: rec.ham-radio
Subject: TR-2600A mods
Message-ID: <2570@ariel.unm.edu>
Date: 1 May 90 19:59:42 GMT
Sender: news@ariel.unm.edu
Reply-To: glenkirk@hydra.unm.edu (Glen Kirkpatrick)
Organization: University of New Mexico, Albuquerque, NM
Lines: 10
Posted: Tue May 1 20:59:42 1990

Has anyone had any experience with increasing the receiver coverage of a Kenwood TR-2600A 2m handie-talkie? I am mainly interested in covering the 160 MHz range for NOAA broadcasts, etc. Some time ago I was told that this could be accomplished by clipping a diode, but I never followed up this. Any Suggestions?

Thanks,

Glen / W9LS

From 2107924471995502941
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,500f9e7d0227ea35
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-01 18:06:01 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Phase-Sequence filters for SSB
Message-ID: <Ly8Hi1w161w@w8grt.fidonet.org>

Date: 1 May 90 18:02:20 GMT
References: <43565@iuvax.cs.indiana.edu>
Organization: QRV de W8GRT
Lines: 68
Posted: Tue May 1 19:02:20 1990

commgrp@silver.ucs.indiana.edu (BACS Data Communications Group) writes:

> >One way to implement the audio phase difference for the phasing method of SSB generation is described in _The_ARRL_Handbook_ and in Horowitz and Hill's _The_Art_of_Electronics_ 2nd ed. page 295. They call it a phase-sequence filter and it consists of a cyclic network of resistors and capacitors, driven by two signals of 180 degree phase difference, producing four outputs 90 degrees apart. Does anyone here have any experience with these filters? In particular, how are they designed and analyzed? References?
> >Thanks,
> >Bob Kelley
>
> This device is an all-pass network with constant phase shift throughout the speech spectrum.
>
> See _QST_ January 1988, p. 16: "A New Breed of Receiver" by Gary A. Breed, K9AY (who, incidentally, is the editor of _RF Design_ magazine). This article contains the schematic for an active 90-degree audio phase-shift network using 8 operational amplifiers. The article also contains an excellent explanation of how the phasing method eliminates one sideband.
>
> The advantages of the phasing method is that it requires no expensive RF SSB filter, and is frequency agile. A properly-aligned phasing-type transmitter is said to have better audio quality because there is no ringing from a sideband filter.
>
> Disadvantages: The phasing method requires _two _ balanced modulators, and phase-shift networks for both audio and RF. It has a higher parts-count, and is more difficult to align. Perhaps it will become more popular with the advent of inexpensive Direct Digital Synthesizers (DDS) which can easily produce quadrature RF.

Deja vu time. Or "This is where I came in, Merv."

Phasing rigs were the first ones I had experience with back in the 50's. The first inexpensive ham SSB rig was the SSB, Jr., described in the GE Ham News, published by the Electron Tube Department of General Electric. This radio was spiffied up a little by Wes Schumm and produced in kit form as the Central Electronics 10A. It had a 6AG7 tube as the Class A output stage and generated approximately 10 watts PEP. C.E. also produced a phasing type receving adapter called the "Signal Slicer". Both employed passive, RC phase shift networks.

To facilitate homebrewing (That was still common back then.) both the

Millen Co. and Barker and Williamson made phase shift networks for those who didn't have what it took to match precision component values and trim and measure the results. B&W made a particularly popular one called the "2Q4", which looked like a small metal shell octal base electron tube.

The phasing method had all sorts of advantages but died out because it was difficult with practical passive networks to keep the phase shift error low enough across the entire bandwidth to keep the unwanted sideband suppression above 30 to 35 db. without adding crystal or mechanical filters. Of course, once you start adding the good filters that became available during the late 50's and early 60's, why bother with the phasing section?

It's rather fun to watch over the years as one technology after another is "revisited" as new developments make possible applications of them that weren't possible earlier.

Jim Grubs, W8GRT - aka FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -8648866313781106462
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cdd99d2e83dfff5f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-01 18:06:09 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Fast packet
Message-ID: <gT9Hi3w161w@w8grt.fidonet.org>
Date: 1 May 90 18:20:51 GMT
Organization: QRV de W8GRT
Lines: 54
Posted: Tue May 1 19:20:51 1990

(330) Sat 28 Apr 90 3:42p
By: Brian Battles
To: Bob Mcgwier
Re: Fast packet
St:

@EID:1811 149c7d40

Bob,

In your reply to Marc Sorrel, you wrote:

BM> ...Hams are basically cheap...

Make that "poor," not necessarily cheap. Most hams I know are perpetually in danger of bankrupting their family financies to buy new gizmos.

BM> ...and these days they are basically technically lazy...

Although many are just busy or lacking education. Some of us have little time to get on the air, let alone design and build some fancy new digital high-tech device. Some hams have had little computer or digital education and have to struggle to keep up. Besides, many hams prefer to provide traffic handling/emergency communications/etc than to build a lot of gear.

BM> ...My efforts in this area along with partners KB2CST and KA2MOV
BM> for commercial concerns and with WA7GXD, KV7B, W3IWI for TAPR and
BM> AMSAT have essentially been done for free...

And are greatly admired and appreciated by all amateurs with any slight understanding of technology and creativity!

BM> ...[with rigs] needed to work satellites, ROBOT 1200C's costing a
BM> fortune when you can get them for SSTV, WEFAX APT equipment costing
BM> a few hundred, etc, it has just gotten too expensive for a ham to
BM> `do it all' with individual pieces of equipment...

<sigh> All too true.

73 de Brian Battles, WA1YUA * HAM RADIO & PACKET Echo Moderator
QTH New Britain, Conn.
Packet: WA1YUA @ N1API

... Someday my ham radio may save your life!
--- Via Silver Xpress V2.24 (1:141/880)

Brian Battles, WA1YUA - via FidoNet node 1:141/880
UUCP: ...!ncar!asuvax!stjhmc!w8grt!880!141!1!brian.battles
INTERNET: brian.battles@f880.n141.z1.fidonet.org

From 1970752779392298366
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7353301113ef3b4a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-02 00:20:57 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!mailrus!accuvax.nwu.edu!hayes!usenet
From: ftpam1@acad3.fai.alaska.edu
Newsgroups: rec.ham-radio
Subject: Re: The Black Hole Effect (additional data)
Message-ID: <1990May2.020957.24571@hayes.fai.alaska.edu>

Date: 2 May 90 02:09:57 GMT
Sender: usenet@hayes.fai.alaska.edu (news 'R' us)
Organization: University of Alaska Fairbanks
Lines: 37
Posted: Wed May 2 03:09:57 1990

In article <3430003@hpqtdla.HP.COM>, jdg@hpqtdla.HP.COM (James Gentles) writes...
>>>
>>> Marquette is at 47 degrees North Lattitude.
>>
>>This cannot be, by itself, an important factor.   Much of Europe is
>>north of 47 degrees. I think Bern, Switzerland, is at about 47 degrees.
>
>Latitude cant have anything to do with it, Here in Southern Scotland,
>55deg59'10" N 3deg24'40" W although Auroral communications is not unheard
>off is is more the domain of those a few degrees further up in the north
>of the country. I'll go for the ore in the ground being at the root of it.
>
>Anyone on the net beat 60deg north or south?
>
>James (land of the 11pm sun) Gentles
>--
>Opinions expressed are my own, and are not intended to be an official
>   statement by Hewlett-Packard Company
>--
>Name: James Gentles   GM4WZP   located near EDINBURGH
>Organization: Hewlett-Packard Queensferry Telecomunications Division
>Email: jdg@hpqtdla.hpsqf.hp.com   hp-sdd
>Address: Station Road, South Queensferry, West Lothian, Scotland
>--

I think it has more to do with your distance from the magnetic North Pole rather than the geographic one. Marquette is pretty close to the magnetic pole. Here in Fairbanks (65deg) auroral activity is high. Pretty to watch but bad for HF communications. One period last summer I came back from a backpacking trip to find HF totally dead. The only thing I could hear over entire range of 540 KHz to 30 MHz was local BCB stations.

Interestingly, packet on 2m is quite popular around here.

Philip Munts N7AHL
NRA Extremist, etc.
University of Alaska, Fairbanks

From -155380612967843951
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c67bab5cb280efc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-02 00:24:47 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.UUCP (Constructive Frivolling)
Newsgroups: rec.ham-radio

Subject: AH3C
Keywords: QSL route
Message-ID: <29285@ut-emx.UUCP>
Date: 2 May 90 01:55:53 GMT
Organization: The University of Texas at Austin, Austin, Texas
Lines: 14
Posted: Wed May 2 02:55:53 1990

The QSL route for AH3C is via K9UIY.

The QSL route for AH3C/KH5J is via OH2BN.

So my learned friends WN4KKN and K6ZH were both right, sort of.

To confuse things further, T32BS was AH3C en route to Jarvis Island,
choose your own manager :-)

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
wills@utxvm (Bitnet)

From -4495705792046901643
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6fb41e1583595989
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-02 01:39:21 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!
hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: RF Hazards at 23 cm??
Message-ID: <1250156@hpnmdla.HP.COM>
Date: 1 May 90 16:43:54 GMT
References: <7137@ncar.ucar.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 37
Posted: Tue May 1 17:43:54 1990

> >I suspect that if you scale down the whole system, transmitter, receiver,
> >wavelength, AND THE PATH LENGTH, you would have a constant signal strength
> >or perhaps a constan S/N. Of course reality does not allow us to scale
> >everything any way we want, such as path length.

This is true. Imagine the following communications path with a narrow-beam
transmitting antenna (say a large dish) and a receiving antenna of a certain
aperture:

```
                            . . |
                                           .  .     |
                                     .  .           | Receiving
                                .  .                | antenna
           Transmitting    | .                      | aperture
        Antenna         |    .  .                |
                        .  .           |
                           . .      |
                            . . |
```

(The dots represent the edge of the transmitted beam.)

If you scale the entire system up by a factor of two (lower the frequency by 2, double the size of both antennas, and double the path length), the above picture doubles in size. The spreading angle of the transmitted beam stays the same, since the antenna gain is the same, but the receiving antenna aperture doubles. The path loss stays the same.

Looking at it another way, if the path length had stayed the same, then for same antenna types, the path loss would go down (improve) by 6 dB with a 2X lowering in frequency. This is cancelled out by the 2X increase in path length.

The same holds if you transmit with the right-hand antenna and receive with the left due to the principle of antenna reciprocity.

Al N1AL

```
From 4997718972098591203
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e70aefa4651459,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-02 03:10:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!TAMVENUS.BITNET!
MCL9337
From: MCL9337@TAMVENUS.BITNET
Newsgroups: rec.ham-radio
Subject: Digital display for Drake TR4C
Message-ID: <9005050655.AA01456@ucbvax.Berkeley.EDU>
Date: 2 May 90 10:10:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Wed May  2 11:10:00 1990
```

I have a Drake TR4C to which I'd like to attach a digital frequency readout. Are there any such displays readily available, or perhaps a source of plans for such a display?

Also, I am looking for any and all mods I can get for this rig. If you have any, I would appreciate hearing from you.

Thanks!

Mark C. "Bro!" Lowe - KB5III

MCL9337@TAMVENUS.BITNET

PS- Don't turn THIS one into a gun-control argument, guys! There's no way it can be done!

From 6476468638290979092
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6066467658f00942,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-02 03:31:48 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!wuarchive!zaphod.mps.ohio-state.edu!samsung!cg-atla!raybed2!ewb
From: ewb@raybed2.ray.com (EUGENE BALINSKI)
Newsgroups: rec.ham-radio
Subject: Ham Radio Magazine out of business
Keywords: CQ Magazine
Message-ID: <1591@raybed2.ray.com>
Date: 1 May 90 16:46:41 GMT
Organization: Raytheon Co., Tewksbury, Mass.
Lines: 11
Posted: Tue May 1 17:46:41 1990

Bad news in the Amateur Radio publishing world.... Ham Radio Magazine has been sold to CQ magazine. They acquired all rights to the name., the bookstore and the name "Ham Radio Horrizons". Publication will stop immediately. Current subscribers will have a choice of filling out your subscription with CQ or getting your money back. I think most of the subscribers will do the later. Jim Fisk must be rolling over in his grave. I for one will be sorry to see HR go. I guess all good things must come to an end.

73
Gene Wa1UXA

From 1703189687132187594
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3c265c541b60a4a2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-02 03:36:13 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!cs.utexas.edu!tut.cis.ohio-state.edu!pt.cs.cmu.edu!andrew.cmu.edu!kg19+
From: kg19+@andrew.cmu.edu (Kurt A. Geisel)
Newsgroups: rec.ham-radio
Subject: Status of Tono Corporation
Message-ID: <0aDWfxS00WB9MmY3JW@andrew.cmu.edu>
Date: 2 May 90 00:34:05 GMT
Organization: Class of '92, Carnegie Mellon, Pittsburgh, PA
Lines: 20

Posted: Wed May 2 01:34:05 1990

Does anyone know the status of the Japanese Tono Corporation, maker of
HAL-like RTTY gear like the Theta-777? I noticed their absence from
Dayton and can't remember if they were there last year or not. I have
a couple of theories:

1. They are kaput

2. In the wake of declining interest in the States, they are not
bothering to go outside Japan.

Frankly, I'd be surprised if they vaporized, considering the lack of
suppliers of such equipment in Japan.

```
- Kurt
Kurt Geisel                         SNAIL :
Carnegie Mellon University              65 Lambeth Dr.
ARPA : kg19+@andrew.cmu.edu             Pittsburgh, PA 15241
UUCP : uunet!nfsun!kgeisel  "We just need to short-circuit the continuum on a
BIX  : kgeisel               5 or 6 parsec level."  - Forbidden Planet
```

From 6046600070074356442
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d118b738082509
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-02 05:03:34 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!paperboy!husc6!m2c!umvlsi!umaecs!lkay
From: lkay@ecs.umass.edu (Leonard Kay, KB2R)
Newsgroups: rec.ham-radio
Subject: Re: manuals for National SW Radio
Message-ID: <9700.263dcb2e@ecs.umass.edu>
Date: 1 May 90 17:45:18 GMT
References: <667@peyote.cactus.org>
Lines: 18
Posted: Tue May 1 18:45:18 1990

In article <667@peyote.cactus.org>, majec@peyote.cactus.org (Majec Systems) writes:
> I am looking for manuals, or a good source for manuals for a couple of 40s era shortwave radios. if you know of one.
> please reply by e-mal
>
> Thanks

--

HI Manuals, located somewhere in Iowa (I can't find my copy of their catalog)
stocks manuals for just about any receiver/xcvr/transmitter made, and their
prices are pretty reasonable. Their ad can be found in the ads of any
issue of QST or other such magazines. Good luck.

Len

```
---------------------------------------------------------------------------
Leonard Kay, KB2R  UMass/Amherst      |  "It's always darkest just
(413)545-4762      lkay@ecs.umass.edu |    before it's totally black"
---------------------------------------------------------------------------
```

From -8024336103236500530
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c7ebe5dbf502687a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-02 06:16:45 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!CRDEC2.APGEA.ARMY.MIL!wejones
From: wejones@CRDEC2.APGEA.ARMY.MIL ("William E. Jones III")
Newsgroups: rec.ham-radio
Subject: RTTY Listening questions
Message-ID: <9005011026.aa19136@CRDEC2.APGEA.ARMY.MIL>
Date: 1 May 90 14:26:33 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 42
Posted: Tue May 1 15:26:33 1990

> Lloyd SUN Questions
> Subject: RTTY Listening Question

> Last night I spent a frustrating evening trying to listen in on some
> various commerical and ship-to-shore rtty traffic on the shortwave
> bands. I once got some recognizable traffic, but mostly gunk. Even
> when the stations were S-9plus, still gunk. Is everything encrypted
> or am   doing something wrong? I'm receiving on LSB, and also use
> ....
> irritating aspect of its use is that it does not auto configure to the
> mode/baud being received. (I understand that the PK-232 does this)
> For example, the station might be 50, 75, 100 or some other baud and

I have had similar problems, and hope someone can be of more help than
I can, (I have more additional questions than answers) but...

I use a PK-232, and most of the RTTY traffic I find comes up as
"synchronous" when I run the auto configure signal mode. I therefore
don't think the signal is really scrambled, but rather in a mode which
is not easy for the PK-232 to handle. It would be helpful if someone
could explain how synchronous rtty works. Ie, is the timing information
transmitted over a different frequency?, over the other sideband?, or

do they just rely on very accurate baud rates? I don't know if there is some other software way of handling the synchronous mode.

As to the possibility of "doing something wrong", two possibilities not mentioned above, are polarity (or bit) reversal, and audio signal level. With the PK-232, even if the baud is correct, if the polarity is reversed, the rtty is not readable. The PK-232 has a convient reversing function. Switching to the other sideband, and/or fine tuning (or detuning) the freq might also help. Also, I have found that the audio level of my Kenwood 2000 is too high (or perhaps has insuficient rc damping) for the PK-232, such that noise registers as data, giving "gunk". I have much better results using a supposedly inferior (Sony ICF5900) receiver, which has a more damped audio output.

From 3412608752778372976
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c60c8bc1c7a7e614,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-02 06:16:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!CCIW.BITNET!U009
From: U009@CCIW.BITNET
Newsgroups: rec.ham-radio
Subject: MDA301 Information
Message-ID: <5A05010A2531031A-MTACY830*U009@CCIW>
Date: 1 May 90 15:45:11 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Tue May 1 16:45:11 1990

To:mcsun!ukc!harrier.ukc.ac.uk!pm1@uunet.uu.net (P.Morgan)
Sorry I can't seem to get to you directly. The above address cannot bee forwarded thru our Bitnet/Unix gateway. Mail me directly with any gn alternate addresses in your signature.

I have several MRA-3's which are probably equivalent. I have a complete operation and maintainance manual as well as access to local files of our internal maintainance procedures and records. Email me and we'll chat about getting something to you. (I could scan in the schematics and send them as packed TIFF files, for example.)

Regards, Stu Beal, VE3MWM, (U009@CCIW.BITNET),
National Water Research Institute,
Burlington, Ontario, Canada.

The future lies ahead... and behind us lies... lies... lies.

From 8488329349136017460
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a576a79b72da4dd3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-02 07:02:15 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!psuvax1!rutgers!bellcore!casux4!jdn
From: jdn@casux4.uucp (jonathan nagy)
Newsgroups: rec.ham-radio
Subject: Re: RTTY Listening Question
Keywords: how do you do it?
Message-ID: <22802@bellcore.bellcore.com>
Date: 1 May 90 14:10:10 GMT
References: <1990Apr28.215058.2269@ccu.umanitoba.ca> <18230007@col.hp.com> <764@west.West.Sun.COM>
Sender: news@bellcore.bellcore.com
Reply-To: jdn@casux4.UUCP (jonathan nagy)
Organization: Bell Communications Research, Inc.
Lines: 41
Posted: Tue May 1 15:10:10 1990

In article <764@west.West.Sun.COM> flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix 602-275-4242) writes:

>
>Last night I spent a frustrating evening trying to listen in on some
>various commerical and ship-to-shore rtty traffic on the shortwave
>bands. I once got some recognizable traffic, but mostly gunk. Even
>when the stations were S-9plus, still gunk. Is everything encrypted
>or am I doing something wrong? I'm receiving on LSB, and also use
>the FSK setting on my TS-440. Ok in the ham bands, no problem there.
>
>I'm using an MFJ 1278 multi-mode data controller, and another
>irritating aspect of its use is that it does not auto configure to the
>mode/baud being received. (I understand that the PK-232 does this)
>For example, the station might be 50, 75, 100 or some other baud and
>the practice of trial and error with the MFJ baud settings is
>infuriating.
>

Fred, the pk-232 does not autoconfigure to the mode/baud being recieved. It has what they call a SIAM mode which attempts to decode what is being revieved and lets you know. But in amateur practice, if you are copying RTTY in the amateur bands, you still have to switch baud rates by trial and error to get it right. If you come across an ASCII station, you will have to switch the pk-232 from BAUDOT to ASCII. Although I like my pk-232, I think your MFJ 1278 is probably comparable in functionality.

As far as copying commercial stations goes, try the following. Most non amateur stations do not use 170 hz shift. Have you tried 425 and 850 hz shifts? If not try this first. Many non amateur rtty stations are not using FSK, but rather employ more esoteric modulation schemes.

Try calling Universal Radio (in ohio?) for information. They have lots of literature and products for the rtty enthusiast

Jonathan Nagy
jdn@navaho.cc.bellcore.com
(201) 699-4445

From -7567872101062370014
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2383db3e0dcfb08a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-02 08:11:30 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!cs.utexas.edu!asuvax!mcdphx!phx.mcd.mot.com!vfg2
From: vfg2@phx.mcd.mot.com (Dan Quella)
Newsgroups: rec.ham-radio
Subject: Re: Morse Coding standards (non-ham question)
Keywords: CW, music
Message-ID: <12792@mcdphx.phx.mcd.mot.com>
Date: 2 May 90 00:36:11 GMT
References: <9004242215.AA02030@ti.com> <34758@shemp.CS.UCLA.EDU> <7481@uhccux.uhcc.hawaii.edu>
Sender: listen@mcdphx.phx.mcd.mot.com
Reply-To: vfg2@phx.mcd.mot.com (Dan Quella)
Organization: Motorola Microcomputer Division, Tempe, Az.
Lines: 19
Posted: Wed May 2 01:36:11 1990

In article <7481@uhccux.uhcc.hawaii.edu> john-uhsss@uhplato.bitnet (John Shalamskas, KJ9U) writes:
>
>I found out that one of my favorite "Fresh Aire" tunes has some
>20 WPM CW embedded in it. The song "Tocatta" on the album "Fresh Aire 3"
>sends II6IT. Pretty catchy rhythm, too.

The rock group Rush has a song, YYZ, which is an instrumental piece based on the (International) Morse code for "yyz" - it has a pretty strange time signature as a result!

DAHdiDAHDAHDAHdiDAHDAHDAHDAHdidit... (repeat)

The letters are run together, though... That's why I never noticed it until I saw it mentioned elsewhere on the Net!

Dan Quella WB9QCV/7
vfg2@phx.mcd.mot.com

From 5379076892993381015
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,23ccd005d9c84fc7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-02 14:10:36 PST
Path: gmdzi!unido!mcsun!uunet!usna!trw
From: trw@usna.NAVY.MIL (Bill Gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: 3-year-old learns Morse Code
Summary: not likely
Message-ID: <276@usna.NAVY.MIL>
Date: 2 May 90 16:08:11 GMT
References: <36037@genrad.UUCP>
Organization: A_Guest_of_TRW
Lines: 13
Posted: Wed May 2 17:08:11 1990

considering that it has been stated here by various VE's that using a typewriter
to copy the code test isn't allowed cause the rules say by hand, I hardly expect
they let anyone use a comppputer. Add into that the illogical (for a child)
layout of a QWERTY keyboard and this story really looses credibility.
I personally would need a lot more verified info before I believed it.

--
bill gunshannon

bill@platypus.uofs.edu
702wfg@scrvmsys.bitnet

From -3321609923456528257
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7ad4bdf2c4ea6685,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-02 15:13:35 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!hp-pcd!hplsla!charlier
From: charlier@hplsla.HP.COM (Charlie Panek)
Newsgroups: rec.ham-radio
Subject: DAK SW radio arrives: review
Message-ID: <5720065@hplsla.HP.COM>
Date: 2 May 90 22:13:35 GMT
Organization: HP Lake Stevens, WA
Lines: 54
Posted: Wed May 2 23:13:35 1990

  After about 6 weeks of waiting, the $50 shortwave receiver from DAK
finally arrived. Mind you, I didn't expect too much for $50, but I was
still quite disappointed initially. AM and FM broadcast reception is OK, but

the thing is basically useless for SW with the little whip antenna attached. The only thing I could hear was a *weak* WWV on 15 MHz. Mind you, in the same room was a 30 year old 5-tube Grundig, with a 3-foot piece of wire that was picking up LOTS on the same frequencies. At first I thought it was kaput, but I hooked up my ham-band delta loop to its external antenna jack, and it came alive. This fault seems really dumb, as gain is relatively cheap to build into a SW receiver. (selectivity, image rejection and dynamic range on the other hand...) Even given its 'deafness', I did hear a touch of overload from the local 1kW BC station, about 3 miles away.

I brought it into work today and hooked it up to a calibrated signal generator, and made the somewhat crude measurements below. I also attempted to peek inside, but didn't get too far. I got the back cover off, but that only lets me see the back side of one of the PC boards. It seemed to be glued or heat staked to the 'front panel'. It seemed to have a surprising number of discrete components, though, along with 2 or 3 DIP IC's that I could see. If I decide to keep it I may look some more..

At first I was ready to send the thing back, but now I'm not so sure. I could probably add a little RF amplifier, either internally, or externally, and it would be quite serviceable for casual use.

It is kinda cute. The tuning with the up/down button is tedious, and it will 'scan' if you hold them down for a second (not too useful on noisy shorwave freqs) It also has a jack for an external 6V power supply, something Drew didn't mention in the catalog.

DAK MR-101 Synthesized World Band Receiver

Sensitivity (for minimum discernable signal):

Freq	Sig Level
3.2 MHz	40uV
5.0 MHz	14uV
7.0 MHZ	7uV
10 MHz	8uV
14 MHz	7uV
20 MHz	4uV

Image rejection:

~ 6dB at 12MHz (that's right, 6!)

IF frequency (SW1 and SW2): 440 kHz (I attached a loop of wire to a spectrum analyzer and held it near the back of the receiver. The largest spur seen was always exactly 440kHz above the dial frequency.)

--
caveat emptor!
Charlie, KX7L

From 4353562691411887219

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2731fbc7dcb37294,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-02 15:33:26 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!cs.utexas.edu!rutgers!njin!
princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: WARC DANGEROUS RECORDINGS
Keywords: WARC 1992 ALLOCATIONS
Message-ID: <700@idacrd.UUCP>
Date: 2 May 90 17:34:37 GMT
Organization: idacrd, princeton, nj
Lines: 19
Posted: Wed May 2 18:34:37 1990

I posted recently on another topic and claimed that other administrations besides our would record stupid activity on the ham bands and use this at the upcoming WARC to justify their claim that we do not deserve our allocations. It has already happened. Recently, two European countries, serving notice ;-(sent recordings of the Bouvet operations to the FCC. The FCC sent this to ARRL with a message that went something like `this is your mess, what are you gonna do about it.' This precipitated the highly controversial DX-pedition and contest suggestions/rules etc. that have recently been proposed. We are in real danger in 1992. Land Mobile has before the WARC a proposal to convert all between 1000 and 3000 Mhz to Land Mobile. We had better get our act together and fast.

Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From 7529779206032664016
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6066467658f00942
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-02 15:34:21 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: Ham Radio Magazine out of business
Keywords: CQ Magazine
Message-ID: <24463@usc.edu>
Date: 2 May 90 19:13:27 GMT
References: <1591@raybed2.ray.com>
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 22

Posted: Wed May 2 20:13:27 1990

In article <1591@raybed2.ray.com> ewb@raybed2.ray.com (EUGENE BALINSKI) writes:
>Bad news in the Amateur Radio publishing world.... Ham Radio Magazine has
>been sold to CQ magazine.

This is bad, but it is not as bad as it would have been if it had happened before HR went and watered down the (already skimpy IMHO) technical content in their articles.

>I for one will be sorry to see HR go.

I also will be sorry to see them go. At least there are some good technical magazines still available. Dubus from W. Germany for example. Feedpoint from North Texas Microwave Society.

I think the content of the major American amateur radio magazines mirrors the sad sorry state of the amateurs in this country. Most hams are too lazy to get off their butts and build anything, and indeed most couldn't even if they had the ambition. Of course, there are a few exceptions, but the condition of the majority spells eventual defeat for the amateur radio service (IMHO).

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

---

From -7894393916604939570
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,835004f37121b9ab,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-02 16:19:13 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!apple!agate!shelby!csli!kawai
From: kawai@csli.Stanford.EDU (goh kawai - n6uok)
Newsgroups: rec.ham-radio
Subject: Ham Radio out of business
Message-ID: <13390@csli.Stanford.EDU>
Date: 2 May 90 15:04:30 GMT
Sender: kawai@csli.Stanford.EDU (goh kawai - n6uok)
Reply-To: kawai@csli.stanford.edu (goh kawai - n6uok)
Organization: dept of linguistics, stanford university
Lines: 46
Posted: Wed May 2 16:04:30 1990

Gene (WA1UXA) informs us:

> Ham Radio Magazine has been sold to CQ magazine ... Publication will stop
> immediately.

This is terrible. I was excited when HR announced that they were revamping their efforts - did you notice their new cover page, "NEW HAM RADIO" - I liked them for coverage you don't find elsewhere. They struck me as a sincere publishing company. Their monthly mail order catalog failed to leave a distinct impression with me, though - I never felt HR was selling products you couldn't get elsewhere.

So I guess now there are basically three ham magazines left in the U.S. - QST, CQ, and 73 - plus some electronics magazines. Is this part of the declining trend of the American amateur radio industry? Magazines rely heavily on advertisement revenue. As the number of manufacturers and retailers diminish, magazines lose money, and as they lose circulation, they drop their advertisement fees, and so the products sell less.

One thing I always marvel at the Japanese domestic market is the intense effort in advertisement and packaging. Sales brochures are much more detailed than the North American versions, and stores are brightly decorated inside and out. "CQ Ham Radio" magazine (the JA version) is one of the top three best-selling monthly magazines in the country, and there are several other ham radio and/or scanning rags as well. I really don't know how they manage. Getting a license there is so much of an hassle.

Which leads me to my perpetual questions that never gets answered:

Here in the U.S., amateur licenses are *so* easy to get (less than five dollars gets you both operator and station licenses? good for ten years? wow), amateur stations are *so* easy to install (you got lots of space - 40m is the second most popular HF band in Japan, but a fullsize 40m dipole is a rare luxury), amateur radio regulations are *so* generous (third-party traffic is illegal in many parts of the world, and in Japan, only JARL can own repeaters). So how come more people don't get in the hobby?

I digress. My main lament today is that I see another passing of a good thing.

```
----------------- stanford university + sri international
--- Goh Kawai --- arpanet/junet:  kawai@csli.stanford.edu
----------------- compuserve: 76056,1726     radio: n6uok
```

From 2621283042894520843
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c7ebe5dbf502687a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-02 16:25:32 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: RTTY Listening questions
Message-ID: <13408@ucsd.Edu>
Date: 2 May 90 19:21:33 GMT
References: <9005011026.aa19136@CRDEC2.APGEA.ARMY.MIL>
Organization: The Avant-Garde of the Now, Ltd.
Lines: 7
Posted: Wed May 2 20:21:33 1990

The PK232 describes anything as synchronous if it couldn't find obvious start and stop bits in it.

A lot of what you hear as HF RTTY is multiplexed, with more than one data stream being transmitted at the same time. It takes equipment a little bit fancier than the PK-232 to decode that.

- Brian

From 7364593813876005246
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f1dc7bd67e9605af,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-05-02 19:05:20 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!rutgers!att!cbnewsm!mhuxo!rma
From: rma@mhuxo.ATT.COM (atkins, robert m)
Newsgroups: rec.ham-radio
Subject: CQ buys HAM RADIO
Keywords: OH NO!!!
Message-ID: <12049@cbnewsm.ATT.COM>
Date: 2 May 90 17:46:50 GMT
Sender: nntp@cbnewsm.ATT.COM
Reply-To: rma@mhuxo.ATT.COM
Organization: AT&T Bell Laboratories, MH, NJ
Lines: 33
Posted: Wed May 2 18:46:50 1990

As you may already know, CQ magazine has bought out HAM RADIO. The last issue of HAM RADIO will appear in June 1990. I just spent a while on the phone talking with Skip Tenney(sp?) the owner of HAM RADIO an some of the staff there. Terry Northup and Craig Clark will be staying on in the offices in N.H. What will happen to CQ (will it expand its coverage), whether there will be new periodicals (maybe quarterly) and other subjects are as yet undecided - everything is in a state of flux, as you might expect. The rights to the name HAM RADIO and HAM RADIO BOOKSTORE also go to CQ.

I should declare an interest in HAM RADIO since I was a columnist there, but on a less personal note, I think that HAM RADIO was the only real technical amateur radio journal published in this country and was run by people who were concerned about amateur radio. Its passing is very bad news indeed.

CQ is published by CQ Communications (Dick Ross, who's call I can't remember), which also publishes Modern Electronics and Popular Communications. I can only urge HAM RADIO subscribers and anyone else with views about what constitutes a good amateur radio publication to write to Dick Ross at:

CQ Communications
76 North Broadway
Hicksville
NY 11801

Tell him exactly what in an amateur radio publication will make you keep up or take out a subscription. Subscriptions are what commercial publishing is all about. More readers=higher advertising rates+more revenue=more profit.

What with last year's cut back of QST and now the loss of HAM RADIO the outlook is bleak for those interested in technical aspects of the hobby, and microwaves in particular.

Bob Atkins, KA1GT

From 7842922108010133559
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0f13b22590910cb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-23 08:25:00 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!samsung!sdd.hp.com!ucsd!ucbvax!BEACH.GAL.UTEXAS.EDU!perry%mbian.decnet
From: perry%mbian.decnet@BEACH.GAL.UTEXAS.EDU ("MBIAN::PERRY")
Newsgroups: rec.ham-radio
Subject: Microsat Keplerian Elements
Message-ID: <9004250213.AA23886@ucbvax.Berkeley.EDU>
Date: 23 Apr 90 15:25:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Mon Apr 23 16:25:00 1990

I just got through writing my own satellite tracking program in Turbo C and I now want to use it to track DOVE-1. Unfortunately, I have not been able to find out what the Keplerian elements are for DOVE-1 or any of the other Microsats for that matter. Would it be possible for someone to publish the Keplerian elements for the various Microsats and other interesting satellites in this conference area or can someone at least recommend a publication or something that is easily available so I can get this information? Thank you.

John Perry - KG5RG
University of Texas Medical Branch
The Marine Biomedical Institute
Galveston, Texas

You can send mail to me at any of the following addresses:

DECnet : MBIAN::PERRY
THEnet : MBIAN::PERRY
Internet : perry%mbian.decnet@beach.gal.utexas.edu
BITNET : PERRYJ@UTMBEACH
SPAN : UTSPAN::UTADNX::MBIAN::PERRY
CSNET : perry%mbian.decnet%beach.gal.utexas.edu@RELAY.CS.NET

From 5752113695259009180
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c63acdccb2e956a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-23 10:15:09 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!rutgers!bellcore!ka9q.bellcore.com!karn
From: karn@ka9q.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Re: TCP/IP in anticomputers
Message-ID: <22437@bellcore.bellcore.com>
Date: 23 Apr 90 06:31:48 GMT
References: <2800@ultb.isc.rit.edu> <30500506@ux1.cso.uiuc.edu>
Sender: news@bellcore.bellcore.com
Reply-To: karn@ka9q.bellcore.com (Phil Karn)
Organization: Secular Humanists for No-Code
Lines: 20
Posted: Mon Apr 23 07:31:48 1990

In article <30500506@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>
>What's the possibility of hacking the TNC code to refuse connections from
>another node that has its window size at other than 1 when its own is set
>to 1?

You'd have to do it heuristically. If you delay your acks a bit, you'll know that a sender's MAXFRAME is greater than 1 when you see a second frame come in before you have transmitted the ack for the first frame.

I should say it would be a bad idea to actually implement such a rule. As much as I'd like to see people run AX.25 in stop-and-wait mode, I think the Robustness Principle is more important.

Simply stated, the Robustness Principle says "Be conservative in what you send, liberal in what you accept from others". Come to think of it, that's not bad advice to the participants in a certain flame war already consuming this newsgroup...

Phil

From 6183857714869708102
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93aea11898bf1634,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-23 10:16:14 PST
Path: gmdzi!unido!mcsun!sunic!kth.se!news
From: fogelberg@lne.kth.se
Newsgroups: rec.ham-radio
Subject: QEX subscription
Message-ID: <00935A0A.4CFEB480@lne.kth.se>
Date: 23 Apr 90 08:09:41 GMT

Sender: news@kth.se (News Administrator)
Reply-To: fogelberg@lne.kth.se
Organization: KTH School of E.E.
Lines: 5
Posted: Mon Apr 23 09:09:41 1990

I have had a lot of fun reding the discussion about REAL TECHNICAL magazines. Now I wonder who I can subscribe QEX. Does anyone know the cost for oversea delivery?

73 de Ingo, SM0AJV

From -4164457450772039833
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a23d691c1fbb3031,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-23 10:49:25 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!ucbvax!MBUNIX.MITRE.ORG!ptb
From: ptb@MBUNIX.MITRE.ORG
Newsgroups: rec.ham-radio
Subject: Re: Long distance communication
Message-ID: <9004231749.AA00838@mbunix.mitre.org>
Date: 23 Apr 90 17:49:25 GMT
References: <24252.262e1831@vaxb.acs.unt.edu>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 29
Posted: Mon Apr 23 18:49:25 1990

If you are in Texas and your girlfriend is in New York, it would have to be an HF system of some kind (Distances are too long for VHF). I would suggest a radio that can cover the 20, 15, and 10 meter bands anyhow and general class licenses to operate voice over them.

These radios could probably be picked up at a ham auction or hamfest for about $200 each.

There is going to be at least one problem with this. How can you coordinate this so that you will find each other on the radio? You may be able to pick a time and frequency in advance. Also, how well the radio waves travel varies depending on time of day, month of the year, and this 11 year sunspot cycle that also is an influence. This will tend to complicate picking a time and frequency as above.

Go for a good antenna. I recommend a 3 to 5 element beam up on a tower. It is probably more cost effective to get a better antenna than another radio, since the antenna halps on both transmitting and receiving. Antennas and the towers can be expensive however, and may end up costing you more than you paid for your radio.

You may also want to check out whether using ham radio to avoid a toll charge is really legal.

Good luck.

English: Peter T. Baldwin
Arpa: ptb@mbunix.mitre.org
Snail Mail: Mitre Corp, MS K306, Burlington Rd, Bedford, Ma. 01730

From 9014797643241631198
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,44d0812882f15de6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-23 10:54:11 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!ISS1.AF.MIL!THM33
From: THM33@ISS1.AF.MIL (Tom Mullins - WB8MVR)
Newsgroups: rec.ham-radio
Subject: DAYTON I-75 OPTIONS
Message-ID: <9004250213.AA23911@ucbvax.Berkeley.EDU>
Date: 23 Apr 90 17:54:11 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25
Posted: Mon Apr 23 18:54:11 1990

Effective today, both north and southbound I-75 are 1 lane ea. Suggest trying an alternate route to HARA Arena if you are arriving from the South. Some possibilities are:

1. Take the Salem Ave. exit, take Salem Ave. to Shiloh Springs Rd, turn right. (Lots of traffic lights, but good 4-lane streets).

2. Take Main St. Exit (SR 48), turn left, take 48 to Shiloh Springs RD, turn Left to Hara. (Likewise, lots of traffic lights).

3. Take Miamisburg-Centerville (SR-725) exit. Turn left on SR-725. Take 725 through Miamisburg, and turn Right on Union Rd. Union Rd is about 2 Mi WEST of Miamisburg. Take Union road about 12 Miles North through Trotwood, OH to Shiloh Springs Rd. Turn Right to get to Hara. This is a country-road route. Note: there is a rather laborous hill west of Miamisburg on 725. Heavily laden trucks (Read: full of boat-anchors) may wish to avoid this route.

```
-----------------------------------------------------------------------
Tom Mullins - WB8MVR   | Uh, Biplane on short final - Get a move on,
FTD/SDJMM              | You've got a P-51 on your tail!
WPAFB, OH 45433-6508   |
THM33@ISS1.AF.MIL      |        - Unknown Controller, Oshkosh, WI
-----------------------------------------------------------------------
```

From 3473942993385429762
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,d0e8b6487bb7debc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-23 10:59:35 PST
Path: gmdzi!unido!mcsun!hp4nl!kunivv1!ge
From: ge@kunivv1.sci.kun.nl (Ge' Weijers)
Newsgroups: rec.ham-radio
Subject: Re: HATE MONGERING MUSHBRAINS
Message-ID: <1486@kunivv1.sci.kun.nl>
Date: 23 Apr 90 09:21:02 GMT
References: <1990Apr21.060104.20254@lopez.UUCP> <11462@portia.Stanford.EDU>
Organization: University of Nijmegen, The Netherlands.
Lines: 16
Posted: Mon Apr 23 10:21:02 1990

>In article <1990Apr21.060104.20254@lopez.UUCP> arf@lopez.UUCP (Jack Schmidling) writes:
>> If you find that a poor use of ham
>> spectrum, then I am afraid I find your kind, a poor use of
>> human tissue.

I find this a poor use of Usenet bandwidth. This means you, Schmidling.
Your stuff costs money to other people. I find paying for this garbage
offensive, even if it is not my personal money. The garbage you sometimes
receive on amateur bands is usually not offensive, and it's free.
I'll make you a honorary member of my kill file.

Ge' Weijers
```
Ge' Weijers                                    Internet/UUCP: ge@cs.kun.nl
Faculty of Mathematics and Computer Science,   (uunet.uu.net!cs.kun.nl!ge)
University of Nijmegen, Toernooiveld 1
6525 ED Nijmegen, the Netherlands              tel. +3180612483 (UTC-2)
```

From 2767177582655097798
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0e8b6487bb7debc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-23 11:41:45 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!mcgill-vision!snorkelwacker!usc!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: HATE MONGERING MUSHBRAINS
Message-ID: <18230019@hpfcdj.HP.COM>
Date: 23 Apr 90 18:41:45 GMT
References: <1990Apr19.050341.18071@lopez.UUCP>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 41
Posted: Mon Apr 23 19:41:45 1990

>Now the funny thing is, I made a similar comment about three months ago, with
>no response from ARF. Of course, I probably didn't put it this politely.

>> ARF says:
>> Drivel? What do you call "five nine in New Jersey"?

Well, just a short comment: I (and possibly others) would just as soon that "flame wars" regarding Jack's opinions OR his manner of expressing them be taken either to e-mail or to alt.flame; I'm not sure they have a place here. As for me, while I certainly don't agree with all - or possibly even *many* of Jack's opinions, he is certainly well within his rights to have them AND to express them, as long as he doesn't get (A) personally abusive or insulting or (B) obscene. So far I have seen neither behavior *initiated by Jack*. Finding someone else's opinions offensive - without them directing personal attacks at you - is not sufficient reason for calling for their censure. If you don't wanna listen, one of the great things about radio is that you can always reach for the VFO dial. I myself get tired very quickly of the "you're five-nine, QSL?" variety of contact, but find most folks for some reason simply assume that Most Things Shouldn't Be Discussed on the Radio. (Just like that, caps and all - a taboo handed down by the Radio Gods.)

I do have a couple of questions I've always wanted to ask Jack, though, and assuming that he's still following this string, now's as good a time as any: First, why is it "ARF says" rather than "Jack says?" Do you consider yourself to BE the forum, or are we to assume that the opinions of everyone in the forum will agree with those you present under "ARF says?" I doubt that you intend to give either impression. Second, and this is more along the lines of a Gentle Suggestion than a question - don't you think that many might find the "lighthouse of wisdom and truth" bit to be just SLIGHTLY arrogant? Hopefully, a number of diverse opinions could be brought to your forum, and certainly not ALL of them could be considered "wisdom" and/or "truth." I'd also hope that you do not intend to give the impression that your own opinions are infallible. Perhaps a better slogan might be "SEEKING wisdom and truth", if that truly is what you intend. Not a flame, Jack - just a comment from Another Observer.

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
myers%hpfcla@hplabs.hp.com               |  sentient life-form on this planet.
```

From 8946480004767568465
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,701b688dc7789017,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-23 12:02:52 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!usc!cs.utexas.edu!rutgers!rochester!rit!ultb!wlw2286
From: wlw2286@ultb.isc.rit.edu (W.L. Ware)
Newsgroups: rec.ham-radio
Subject: Need unobvious 2 meter antenna...
Message-ID: <2870@ultb.isc.rit.edu>
Date: 22 Apr 90 23:00:03 GMT
Organization: Information Systems and Computing @ RIT, Rochester, New York

Lines: 11
Posted: Mon Apr 23 00:00:03 1990

I need to build/buy a highly unobtrusive 2 meter antenna for my base.

I was considering putting it underground, any ideas?

Lance

```
--
************************************************************************
*W.L.Ware                                             LANCEWARE SYSTEMS*
*WLW2286%ritvax.cunyvm.cuny.edu                    Value Added reseller*
*WLW2286%ultb.isc.rit.edu                          Mac and IBM Access. *
```

From 659678612579075261
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c2f4ebd8ee69016b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-23 12:50:23 PST
Path: gmdzi!unido!mcsun!uunet!motcid!thackery
From: thackery@motcid.UUCP (Doug Thackery)
Newsgroups: rec.ham-radio
Subject: Scanner help needed
Message-ID: <2523@lime14.UUCP>
Date: 23 Apr 90 14:06:37 GMT
Distribution: rec.ham-radio
Organization: Motorola Inc., Cellular Infrastructure Div., Arlington Heights, IL
Lines: 15
Posted: Mon Apr 23 15:06:37 1990

I recently bought a handheld Scanner from DAK, Regency R 4030, that boasts 800 MHz band coverage. Well actually it gets part of the 800 band on the high and low side, but the middle of the band has been locked out. I was wandering of anyone new of a quick fix that will "unlock" these frequencies. Since the PLL is capable of capturing even up into the 900 MHz band I assume it's not a problem with the capability of the unit but rather Regency purposely is restiricting these channels.

I had heard about clipping some diodes or something like that. This scanner looks identical to Bearcat scanners except for some of the plastic colors. The R 4030 is a 200 channel programmable handheld if that helps any with identification.

thanks,
doug

From 7282234290407201002
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,19b67fbac31fe6c6,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-04-23 14:52:33 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!tektronix!sequent!mntgfx!mbutts
From: mbutts@mentor.com (Mike Butts)
Newsgroups: rec.ham-radio
Subject: Old 4-series Drake gear info?
Message-ID: <1990Apr23.215233.2647@mentor.com>
Date: 23 Apr 90 21:52:33 GMT
Organization: engr
Lines: 13
Posted: Mon Apr 23 22:52:33 1990

I've been bitten by the bug of acquiring an old Drake 4-series HF station, such as the T-4XB/R-4B, TR-4, SPR-4, etc. I'd appreciate it if some Drake fans out there could inform me as to the differences among models (R4B, R4C, etc.), what features which model has/doesn't have, how well they work compared with each other and/or modern gear, how much I should pay for clean examples, bugs to look for, etc. Besides general HF operation, I'm particularly interested in noise blanker performance (urban power line hash), and ability to be crystalled for SWL and WARC bands in addition to 80-10. Thanks much in advance and 73!
--
Michael Butts, Research Engineer   KC7IT   503-626-1302(fax:1282)
Mentor Graphics Corporation, 8500 SW Creekside Place, Beaverton, Oregon   97005
!{ogicse,sequent,tessi,apollo}!mntgfx!mbutts   mbutts@pdx.MENTOR.COM
Any opinions are my own, and aren't necessarily shared by Mentor Graphics Corp.

From 3464555924811676112
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c252dbbf34c3c10,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-23 15:35:38 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: Microwave oscillator sources
Keywords: UWave,2.450 GHz, Death-ray, packet backbone
Message-ID: <24254@usc.edu>
Date: 23 Apr 90 02:15:46 GMT
References: <871@tsdiag.ccur.com> <1583@unsvax.NEVADA.EDU>
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 16
Posted: Mon Apr 23 03:15:46 1990

In article <1583@unsvax.NEVADA.EDU> storkus@arrakis.nevada.edu.uucp (Mike Storke (N7MSD)) writes:
>P.S. I got a hold of a surplus house that has traveling wave tubes for 2-4 gigs
>and 8-9.6 gigs. Can the 8-9.6 be used at the 10 gig ham band? A friend of
>mine said no because they are *very hard* to tune-he says they're something
>like a helical antenna at their center frequency. Any info appreciated as
>always, Mike

Yes, you can probably use these TWTs successfully at 10 - 10.5 GHz!!!

TWTs have very wide bandwidth. You probably won't get the rated gain
out of them, but you will probably get useable gain (>= 5dB). I have
done this on X-band. You will probably want to use a very strong
electromagnet, even stronger than the original one used in the
amplifier (if you are starting with a whole amplifier). This will yield
higher effeciency.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From -8390130620613419687
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,801fe1a7956acd22,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-23 15:36:03 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: pulse on X-band
Message-ID: <24255@usc.edu>
Date: 23 Apr 90 02:26:53 GMT
References: <1008@gandalf.littlei.UUCP> <30500502@ux1.cso.uiuc.edu>
<877@tsdiag.ccur.com>
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 26
Posted: Mon Apr 23 03:26:53 1990

In article <877@tsdiag.ccur.com> davet@tsdiag.ccur.com (Dave Tiller N2KAU) writes:
>In article <30500502@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>>Also remember that PULSE emissions are not permitted on the 10 Ghz band,
>>but you all knew that, right? [Ed: USA regulation]
>
>Here's a picky little question that's been bugging me for a while:
>
> what's the difference between so called Pulse operation and
> N0N? Where is the line drawn between Fast N0N and Pulse?
> Any rules of thumb out there?   Anyone care?

In pulse operation, the duty cycle is usually less than 1%. I would
suggest perhaps (duty cycle <= 2%) == pulse, (duty cycle > 2%) != pulse.

On another note, I would like to see the restriction on pulse emissions
in our X-band lifted. (I know why it's there; if you want to know, just
think about what you could do with a mobile transmitter with a "pulse"
frequency carefully chosen. However, the law is toothless, because a
string of dits at the same carefully chosen rate has the same effect.)
If we could use pulse on X-band, we could achieve very long distance
communication reliably over very long (over the horizon) distances.
This would be an excellent technology to build a high speed inter-city
packet backbone with. Oh well, we can still do this legally at 9cm or
6cm or 11mm.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From -3740710541877543652
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b81cf2f9b22bd998,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-23 16:03:13 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Why Pulse for Weak Sigs?
Message-ID: <9004232303.AA11518@cmr.ncsl.nist.gov>
Date: 23 Apr 90 23:03:13 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
     formerly National Bureau of Standards
Lines: 34
Posted: Tue Apr 24 00:03:13 1990

You say:

> In pulse operation, the duty cycle is usually less than 1%. I would
> suggest perhaps (duty cycle <= 2%) == pulse, (duty cycle > 2%) != pulse.

> On another note, I would like to see the restriction on pulse emissions
> in our X-band lifted. ....
> If we could use pulse on X-band, we could achieve very long distance
> communication reliably over very long (over the horizon) distances.
> This would be an excellent technology to build a high speed inter-city
> packet backbone with. Oh well, we can still do this legally at 9cm or
> 6cm or 11mm.

Am I missing something? It seemed to me that you wouldn't benefit from a low duty cycle when fighting a large path loss.   I would think that some synchronous system, with correlation detection of some sort, would be the best bet. Of course you COULD build a receiver that just listened during the narrow pulses to ignore the in-between noise. I'd also worry a bit about pulse-spreading due to multipath. Maybe a pseudo-random scheme would be a good approach, but would likely have a mid-to-high duty cycle, and thus not be pulse.

Or do you have a good source of low duty cycle 10 GHz power, and want to build a system around it?

Pardon the confused questions, but I don't normally think of low-duty-cycle pulse transmission and weak signal operation as going together.

Bob W3OTC

PS. Look at the picture of the 10 GHz SSB PHONE station in QST (I thought in W3XO's column, but can't find it.) I've seen and heard '3XO's video of it operating over a non-line-of-sight 25 mile path with excellent sigs.

The power output was in the 20 - 100 mW range, I think.

From -9067918530768671079
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c63acdccb2e956a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-23 22:02:11 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!emcard!wa4mei!rsiatl!jgd
From: jgd@rsiatl.UUCP (John G. De Armond)
Newsgroups: rec.ham-radio
Subject: Re: TCP/IP in anticomputers
Message-ID: <1949@rsiatl.UUCP>
Date: 24 Apr 90 05:02:11 GMT
References: <10459@shlump.nac.dec.com>
Organization: Radiation Systems, Inc. (a thinktank, motorcycle, car and gun works facility)
Lines: 145
Posted: Tue Apr 24 06:02:11 1990

goldstein@carafe.enet.dec.com (Fred R. Goldstein k1io) writes:

>Y'know, John, I don't see your point. Phil is right on the money. But
>even on simple technical grounds, there's a good reason why we "should"
>migrate the "AX.25" backbone over to IP. It's that the AX.25 protocol
>is simply broken beyond repair.

I'm a bit perplexed by this statement considering how much traffic AX.25 moves each day even in the hostile environments like HF. If you mean that there are features in the AX.25 protocol that you find distasteful, then I agree, and we'd probably even mostly agree on what's distasteful. But in my book, something that works even a little bit is not "broken beyond repair."

>Given the high levels of congestion, AX.25 can run in one of two modes.
>Set the window size to 1 as you're "supposed to" (as Phil has proven) on
>an HDX network, and it runs in simple ARQ mode. Set the window size
>higher, and it executes its "go back n" primitive procedure and
>retransmits retransmissions of retransmissions, clobbering
>transmissions, retransmissions and retransmissions of retransmissions in
>the process. This is called "congestion collapse" when it reaches
>what are becoming typical levels (which cause the connections to time
>out). Needless to say, most TNC users keep their windows larger than 1.
>Especially our large local NTS bulletin boards. And they don't give a
>s*it when yo tell them to fix it.

You are confusing poor RF engineering with protocol deficiences. I think we'd all agree that most any protocol, especially any CSMA protocol will perform poorly on simplex networks, especially those based upon simplex digipeaters. On the other hand, a properly engineered full duplex RF environment is practically immune from collapse. I've proven that pretty conclusivly here on the 146.73 LAN channel.

>You'll note that much of BBSnet is one-hop "message switched" non-real-time mail. That's not even "packet switching", but store and forward BBS operation. Nothing wrong with it, but it's slower than it would have to be if the underlying network were better.

BUT... Store-and-forward most suits most hams' needs just as store-and-forward usenet news suits most readers here. Store-and-forward does not have to be slow. Again let's not confuse problems in a particular implenentation with problems with the concept. Sure W0RLI's once an hour forwardind model is slow. On the other hand, I can show you a commercial system I've designed and implemented that is NOT slow.

>TCP/IP, on the other hand, has dynamic retransmit timers and selective recovery of lost packets. So if you get clobbered, you don't have to retransmit the rest of the window, and you can run a larger-than-1 packet window size. Of course, sharing a channel with AX.25 is a clear case of the obnoxious driving out the polite...

Or more accurately perhaps, a protocol with characteristics more suitable to the RF environment is driving out one that is less suitable. Features do not make functionality. Dynamic retransmit timing, selective recovery and the like do absolutely no good if they are not appropriate to the environment. If the backoff algorithm falsely attributes a retry to a collision (which it must) and backs off into oblivion when the lost packet was actually lost because of poor signal conditions, then it does not fit the application and performs worse than an "inferior" protocol that is better matched. At least around here, most of the time, a bit of hammering will get a packet through.

>Need I mention digipeaters?

I guess digipeating and the emotional hate directed at it is the focus of this philosophical debate. I'll stipulate that digipeating is a hack and is little better than aloha in terms of thruput. You'll also have to agree that despite its warts, digipeating gets the traffic through.

This is the same problem I face as a development manager. Do I fail to deliver a product to a customer because some needed feature is missing or do I put in a quick hack that works less than optimum and ship it? My customers invariably say "hack it". And my superiors are generally happier with the latter approach.

It's the same for ham radio. Do we tell potential users that we can't connect 2 areas because digipeating is grody or do we put a digi up and live with the lousy but greater than zero thruput? To me the answer is obvious.

Or do we put up a technology that does not work very well, is hard to use and is unreliable but is "pure" or do we put up what the users want and what works best? Again, the answer is obvious. I hope you keep in mind my distinction between productions and experimental networks.

I once again seem to be casting myself as the great defender of AX.25 and the currently stagnant environment that exists. Such is surely not the case. I look forward to the day when a fast and reliable network exists that is practically transparent to me as a user. I suspect that this day will not arrive in my lifetime. Those who promote TCP/IP as the next best thing to God tend to fool even themselves with promises sometimes. We tend to brush complexity under the rug with terms like "automagically". And we tend to represent the ham radio network with the same nice cloud model as we use for commercial models. Sure the Internet is accurately modeled by that cloud - a status that has taken millions of dollars and man-hours to achieve. A more accurate model for ham radio in the forseeable future is a series of disjoint line segments separated by air.

Phil's code is a very accurate duplication of the environment one finds in a Berkley IP environment. (And it would be an accurate model even if phil decides not to emulate the kernel panics :-) It works fine on the ethernet or on SLIP. I use it everyday for that environment. And when something breaks the network, I can fix it and am paid well for doing so.

But when we throw this same environment onto non-sophisticated hams, the situation is quite different. Not only is the user interface alien, hard to use and cryptic, we have moved all the complexity of network management off a few nodes and into each ham's shack. This, I submit, is negative progress. Promises of future servers to address all problems do not aleviate the situation.

But even this is somewhat tangent to the point I was trying to make earlier. The point is that once we become service providers - and I enjoy that role almost as much as experimenting - we have an obligation to take our users' time and money and spend it wisely. Erecting networks that don't work or which don't fit the users' needs is not wise management.

Between IP not working very well, the vendors' headlong rush toward proprietary protocols for RF faster than 1200 bps, and the limited time available to the worker bees, I see 1200 bps AFSK being the lowest common denominator for quite some time to come. Anyone who wants to prove me wrong on this should a) design a cheap transverter front end for our WA4DSY modem, b) design a high speed driver for said modem, c) design something faster and better than our kit and d) put them in kit form that can be easily obtained and assembled. One should probably also pick up the phone or the pencil and contact the packet vendors and tell them to cut the proprietary shit and agree on a high speed standard and then to start building some hardware. Dale's 56kbps modem can be had for a song. In the absence of anything better, it would make a quite nice standard.

I'm afraid, though, that the highest production from the ham community in the forseeable future will be that commodity, hot air. I sure hope I'm wrong.

John

```
--
John De Armond, WD4OQC  | We can no more blame our loss of freedom on congress
Radiation Systems, Inc. | than we can prostitution on pimps.  Both simply
Atlanta, Ga             | provide broker services for their customers.
{emory,uunet}!rsiatl!jgd|  - Dr. W Williams |               **I am the NRA**
```

From -1911549345909109779
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c7a96a170c67c9e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-23 23:53:21 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!hrc!godzilla!dalyb
From: dalyb@godzilla.UUCP (Brian Daly)
Newsgroups: rec.ham-radio
Subject: Re: Questions????
Summary: Attempts at answers...
Message-ID: <49fa1e94.1423f@godzilla.UUCP>
Date: 23 Apr 90 16:14:41 GMT
References: <9004191424.aa26193@CRDEC2.APGEA.ARMY.MIL>
Organization: gte
Lines: 74
Posted: Mon Apr 23 17:14:41 1990

In article <9004191424.aa26193@CRDEC2.APGEA.ARMY.MIL>,
wejones@CRDEC2.APGEA.ARMY.MIL ("William E. Jones III") writes:
> Three unrelated questions.
>
> 1.....I was under the impression that the front to back
> ratios of such an antenna were not very high, such that the technician
> had a false sense of security standing behind the antenna. ??Am I
> wrong about this???

No, you are not wrong. At 225 MHz, the ANSI RF Protection guidelines in terms
on the mean squared electric field strength is 4000 volts squared per meter
squared,
and the magnetic field strength is 0.025 amps squared per meter squared. These
are for near field exposures. From the antenna you briefly described, the
front to back ratios are typically on the order of 3-6dB. So, depending
on the power, the technician could have eaisily been exposed to RF radiation
which exceeds the ANSI guidelines. (There are other considerations, also.
I'd recommend reading ANSI standard C95.1-1982, Safty Levels with respect
to human exposure to Radio Frequency Electromagnetic Fields, 300kHz to
100 GHz).

>
> 2 In the above mentioned RFI testing, the signal level was measured
> in volts/meter, and yet transmitter power is measured in Watts. How
> does one convert between these units?

The "volts per meter" is the electric field intensity. The quantity used to describe the power associated with an electromagnetic wave is the Poynting vector, which is the vector cross product of the electric field vector with the magnetic field vector. The average power radiated by an antenna is found by integrating the Poynting vector over a sphere surrounding the antenna.

> You hear talk of delivering
> X volts into a Y ohm antenna load giving XY Watts. Presumably, the
> volts/meter is the X voltage divided by the dimensions of the
> antenna?, or is it divided by the wavelength?, or is it divided by
> the spacing of elements in the antenna???

None of the above. In general, to determine the potential given the electric field, one must evaluate the line integral of the electric field over the path for which the potential is to be referenced.

> In any case, it would seem
> that the volts/meter is a better measure of the radiation of an
> antenna since it is representative of the signal after it has left the
> antenna.
> If this is true, why does
> FCC regulate the power of the transmitter, but not the volts/meter
> emmission???

True -- the volts per meter is a representation of the radiation of an antenna. Another is the effective radiated power (ERP), which is the product of the antenna input power and antenna gain. Suppose an antenna receives 1kW and has a gain of 3dB (in the direction of maximum gain). The effective radiated power in this case would be 2 kW.

Both the field strength (volts per meter) and effective radiated power are widely used in the broadcast industry. Why is this not used in the amateur rules?? I would guess its because there are so many variables involved, making it more difficult to control ERP or field stregth. The variables are: transmitter power output, transmission line loss, mismatch between transmitter and transmission line, mismatch of transmission line and antenna, the type of antenna and gain of the antenna, the point where you measure the field strength (100 feet or 1 mile from the antenna??). All of these can eaisily be measure for a fixed transmitter as would be used in the broadcast industry, but would become difficult for an amateur transmitter (since it is not fixed to a specific frequency, the characteristics may change).

--
Brian K. Daly WB7OML @ AG Communication Systems, Phoenix, Arizona
UUCP: {...!ames!ncar!noao!asuvax | uunet!zardoz!hrc | att}!gtephx!dalyb
Phone: (602) 582-7644   FAX: (602) 582-7111
~

From 6909584470516666191
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,869cd26f44e61a2e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,869cd26f44e61a2e,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-04-24 01:16:07 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!mcgill-vision!quiche!sami
From: sami@quiche.cs.mcgill.ca (Sami BOULOS)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Kenwood R5000
Message-ID: <3210@quiche.cs.mcgill.ca>
Date: 23 Apr 90 17:59:57 GMT
Followup-To: rec.radio.shortwave
Organization: SOCS, McGill University, Montreal, Canada
Lines: 8
Xref: gmdzi rec.radio.shortwave:1051 rec.ham-radio:11010
Posted: Mon Apr 23 18:59:57 1990

What's a reasonable price to pay for a used (< 2years, in
excellent condition, original price CDN$1250) Kenwood R5000?

--
Sami Boulos   sami@softeng.cs.mcgill.ca
McGill University
School of Computer Science

From 7694960075076557140
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,47e5c15bc5c4f954
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10b271,47e5c15bc5c4f954
X-Google-Attributes: gid10b271,public
X-Google-Thread: 105d97,47e5c15bc5c4f954
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-04-24 01:42:53 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!uflorida!haven!adm!smoke!tbd!kecskes
From: kecskes@tbd.BRL.MIL (Laszlo Kecskes)
Newsgroups: sci.physics,sci.electronics,rec.ham-radio
Subject: Re: help identifying an object
Keywords: ceramic cylinder crime
Message-ID: <325@tbd.BRL.MIL>
Date: 23 Apr 90 17:20:18 GMT
References: <11971@wpi.wpi.edu>
Reply-To: kecskes@brl.arpa (Laszlo Kecskes (TBD|cindyn) <kecskes>)
Followup-To: sci.physics
Organization: Ballistic Research Lab (BRL), APG, MD.
Lines: 8
Xref: gmdzi sci.physics:7684 sci.electronics:6372 rec.ham-radio:11011
Posted: Mon Apr 23 18:20:18 1990

The objects you describe sound like the mixing balls used to mix and grind fine powders. The trade name is BURUNDUM and they are made in various sizes by U.S. Stoneware Corp. Since BURUNDUM is an electronic grade Al2O3, they are very hard. You ought to measure the density (density of Al2O3 is 3.96g/cc) to verify. Also try to break one apart (use caution because these little pellets will shatter and make shrapnel) to see it they are homogeneous.
Hope this helps, Laszlo

From -2718167675616608852
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,801fe1a7956acd22
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-24 03:53:38 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: pulse on X-band
Message-ID: <1250147@hpnmdla.HP.COM>
Date: 23 Apr 90 16:44:37 GMT
References: <24255@usc.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 41
Posted: Mon Apr 23 17:44:37 1990

Ken Hendrickson writes:
>
> On another note, I would like to see the restriction on pulse emissions
> in our X-band lifted. (I know why it's there; if you want to know, just
> think about what you could do with a mobile transmitter with a "pulse"
> frequency carefully chosen. However, the law is toothless, because a
> string of dits at the same carefully chosen rate has the same effect.)
> If we could use pulse on X-band, we could achieve very long distance
> communication reliably over very long (over the horizon) distances.
> This would be an excellent technology to build a high speed inter-city
> packet backbone with. Oh well, we can still do this legally at 9cm or
> 6cm or 11mm.
> ----------

Ken,
I don't think pulse privileges really are that much of an issue in preventing effective use of the band. As I see it, the main advantage would be in using surplus hardware. However, moderate power narrowband equipment is no longer a difficult proposition. Very long links and OTH links require optimum use of the resources; reasonably efficient use of the spectrum (bps/Hz numbers) and highly directional beams to avoid waste and QRM; as well as physically larger receive antenna apertures to recover the information. Even so I suspect that for reliable networks and comm. channels we are likely to end up with a larger number of shorter LOS links instead of long haul OTH ones. Troposcatter is a fairly predictable propagation mechanism at 10 GHz (see my description of an experience with it on a 400+ mile path during the 1987 10 GHz terrestrial

DX record outing in December 1987 QST) but long haul links are inherently lossier and less reliable than shorter LOS ones.

I strongly agree that we need to use our microwave resources and in particular 10 GHz but I think we will end up finding that for efficient use of our amateur resources we will start looking more like the telephone companies and common carrier folks when we solve the backbone problem.

73

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From -3700928564679920080
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c252dbbf34c3c10
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-24 03:54:07 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: Microwave oscillator sources
Message-ID: <1250146@hpnmdla.HP.COM>
Date: 23 Apr 90 16:23:33 GMT
References: <871@tsdiag.ccur.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 31
Posted: Mon Apr 23 17:23:33 1990

Mike Storke (N7MSD) writes:

> I'd also be very interested in knowing if you can convert a microwave oven magnetron to amateur bands. Unlike the guy who originated this, I *WOULD* use it at or near it's full rated power. This would be used for long-haul packet links (~200+ miles, to be exact: Las Vegas-Bishop, California-Reno; a 2M link currently exists along this route, but it's too loaded down). Any info would be appreciated. Note that these links are all on top of mountains > 8500 ft. high. Thanks and 73's, Mike, N7MSD
> P.S. I got a hold of a surplus house that has traveling wave tubes for 2-4 gigs and 8-9.6 gigs. Can the 8-9.6 be used at the 10 gig ham band? A friend of mine said no because they are *very hard* to tune-he says they're something like a helical antenna at their center frequency. Any info appreciated as always, Mike

Mike (and others interested),

Contact wa6exv in Ridgecrest California. He had an oven source phaselocked and putting out 600+ watts well before the RF Design thing came out.
Chuck is one of the founding fathers of the San Bernardino Microwave Society

and a great amateur microwave enthusiast.

Chuck was interested in getting an EME source and as I remember had pretty good luck using raingutter down spout pipe for cheap lowloss wavequide on the band. He should be good in the callbook.

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From -4616256912991964726
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2cde32c14af37f1d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-24 04:54:42 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!apple!agate!ucbvax!CMS.CC.WAYNE.EDU!MEDELMA
From: MEDELMA@CMS.CC.WAYNE.EDU (Mike Edelman ke8yy)
Newsgroups: rec.ham-radio
Subject: Microwave oven at 2.5Gigahertz
Message-ID: <9004270914.AA01987@ucbvax.Berkeley.EDU>
Date: 24 Apr 90 11:54:42 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Tue Apr 24 12:54:42 1990

See also Amateur Television Quarterly, July 1989, for a few bits of data from WA8EOY on operating parameters for microwave oven klystrons. I believe earlier issues of the Quarterly had more complete details.

--mike edelman ke8yy

From -2161944877877008003
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61b45e7a6094ffbd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-24 06:12:47 PST
Path: gmdzi!unido!mcsun!uunet!mnetor!ghp!jim
From: jim@ghp.UUCP (Jim Stewart)
Newsgroups: rec.ham-radio
Subject: Re: No audio on Icom...general fixing things
Message-ID: <560@ghp.UUCP>
Date: 24 Apr 90 13:12:47 GMT
References: <2847@ultb.isc.rit.edu> <4361@kd4nc.UUCP>
Reply-To: jim@.UUCP (Jim Stewart)
Organization: Gellman Hayward & Partners Ltd.
Lines: 30
Posted: Tue Apr 24 14:12:47 1990

In article <4361@kd4nc.UUCP> ke4zv@kd4nc.UUCP (Gary Coffman) writes:
>In article <2847@ultb.isc.rit.edu> wlw2286@ultb.isc.rit.edu (W.L. Ware) writes:
>>HELP!
>>
>>I have an Icom 900a w/29a module and I am getting no audio output during
>>rx. However during tx audio gets sent. The amplifier in the control unit
>>obviously works because I get a turn on thud.
>
>The turn on "thud" only indicates that power is being applied to the
>audio section. It does not necessarily indicate that the audio section
>is good.

Fixing radios seems to contain a large amount of knowledge gained
from experience. When I talk to different people they all seem to
have little tricks to find problems. Is there a book (or whatever)
that compiles all/a_lot of such knowledge for my own experiences, or
is it just something you can only learn by screwing up or wasting
a lot of time? I do have the basic books like the Radio Amateur's
Handbook, but I was looking for a dedicated text with lots of _lore_
and lists like: "if this happens, it is likely that...".

I would not expect such a book to be the "magic cookie" to solving
broken radios, but just a good push in the right direction. I
realize, that a lot depends on intuition derived from experience.

Digital doesn't really bother me, its the RF and analogue.
--
Jim Stewart, VE3SRJ
UUCP: jim%ghp@mnetor.uucp
BELL: (416)862-0430

From 1084119982289254900
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d24f01426d979440,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-24 06:23:37 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!ucsd!ucbvax!skvax1.csc.ti.com!anderson
From: anderson@skvax1.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Kenwood TS140 information needed
Message-ID: <9004241331.AA20614@ti.com>
Date: 24 Apr 90 13:23:37 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Tue Apr 24 14:23:37 1990

A friend of mine who is studying for his license wants product information
on the Kenwood TS140. I do have their data sheet, but a review or personal
testimonials would be better.

I looked back through a few issues of QST product reviews, but didn't find any.

Does anyone remember seeing a review or comparison of the TS140? Or better yet, do they have such a review that I could get a copy of? Just the name and date of the magazine would be appreciated. I'll try to find the issue.

Thanks

John Anderson

N5OPY

```
From -7359615439695412601
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8695f6777a23d59f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-24 08:01:02 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Wanted: NEC
Message-ID: <30500508@ux1.cso.uiuc.edu>
Date: 24 Apr 90 00:40:23 GMT
References: <539@xyzzy.UUCP>
Lines: 39
Nf-ID: #R:xyzzy.UUCP:539:ux1.cso.uiuc.edu:30500508:000:1368
Nf-From: ux1.cso.uiuc.edu!phil    Apr 23 14:28:00 1990
Posted: Tue Apr 24 01:40:23 1990
```

The following anonymous FTP sites have mininec3:

For North American users:

```
    host = wuarchive.wustl.edu
    path = mirrors/msdos/hamradio/mininec3.arc
```

For European users:

```
    host = kolvi.hut.fi
    path = hamradio/simtel/mininec3.arc
```

The later one implies that mininec3 might also be on wsmr-simtel20.army.mil but I cannot verify it at this time (unreachable) and I also do not have a directory of available files there since I cannot get them from hosts other than BSD UNIX or look-alikes. If you do have UNIX, you can obtain the files I do have of anonymous FTP listings with the following shell script:

```
#!/bin/csh
```

```
ftp -n -v 128.174.5.98 << EOF
user anonymous
cd phil.513
binary
get afindex.tarz "|zcat|exec tar xvf -"
quit
EOF
```

The host has a 5 meg compressed tar file. The above script will directly uncompress and extract this file into several files in a subdirectory and occupy around 20 meg. Check your space with "df" first.

Non-UNIX users: you will need a UNIX compatible toolset with LZW uncompress and tar extraction capability. I intend to make the files available as individuals at some future date, but the host system (CMS) the anonymous FTP is on does not allow the necessary names.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -7040043190101623223
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2e7364eed97db4aa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-24 08:22:00 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp!deimos.cis.ksu.edu!ux1.cso.uiuc.edu!
brutus.cs.uiuc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!
vax1.informatik.fh-regensburg.dbp.DE!werner
From: werner@vax1.informatik.fh-regensburg.dbp.DE (Ralf Werner)
Newsgroups: rec.ham-radio
Subject: DIGICOM for PCompatibles
Message-ID: <383:werner@vax1.informatik.fh-regensburg.dbp.de>
Date: 24 Apr 90 15:22:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 40
Posted: Tue Apr 24 16:22:00 1990

First of all: sorry for posting this article here; I also sent it to the PACKRAD list, but i didn't receive mail from PACKRAD for over 5 weeks. Maybe there's trouble with my local fileserver...

PRE-ANNOUNCEMENT:

For all those of you who wondered, "why not make PR with a simple modem and some cleverly written software like the DIGICOM folks on their C64" - here's the good news:

BAYCOM - as it will be called - is about to be released!

The writer of BAYCOM is Flori, DL8MBT, who had also written DIGICOM! BAYCOM will include all features of DIGICOM (remote commands, screen editor etc.) plus many features more.

What do you need to be QRV with BAYCOM?

Simple question - simple answer: all you need is a PCompatible computer and a serial port - and a modem. The modem is built around the TCM 3105 modem chip and gets it's power out of the RS232 from the PC. Costs: < $30 !!!

BAYCOM has been demonstrated on Saturday, April 21st at the Frankfurt PR-meeting.

I will post more accurate information on BAYCOM as soon as Flori, DL8MBT and Johannes, DG3RBU, will tell me about this exciting new product.

If you have some questions to DL8MBT and/or DG3RBU, you can write them to me - I'll relay them to Flori and Johannes.

REMEMBER - THIS IS ONLY AN ANNOUNCEMENT! DG3RBU told me, that BAYCOM will will be tested for about one month before the first "official" release leaves their test benches.

Have fun with PR! Vy 73 de Ralf, DF1RW

(werner%vax1.informatik.fh-regensburg.dbp.de@unido.uucp)
(werner%vax1.informatik.fh-regensburg.dbp.de@relay.cs.net)

From 7276508900437188726
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,801fe1a7956acd22
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,14d32c9bc2a2c8e9,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-04-24 08:37:33 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: pulse on X-band
Message-ID: <24279@usc.edu>
Date: 24 Apr 90 01:28:17 GMT
References: <24255@usc.edu> <1250147@hpnmdla.HP.COM>
Sender: news@usc.edu
Followup-To: rec.ham-radio
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 55
Xref: gmdzi rec.ham-radio:11015 rec.ham-radio.packet:2135
Posted: Tue Apr 24 02:28:17 1990

I received some email from W3OTC that I responded to, and thought a posting would be appropriate. Here it is:

% From: Robert Carpenter <rc%cmr.ncsl.nist.gov@usc.edu>

% Am I missing something? It seemed to me that you wouldn't benefit from a
% low duty cycle when fighting a large path loss.   I would think that some
% synchronous system, with correlation detection of some sort, would be the
% best bet. Of course you COULD build a receiver that just listened during
% the narrow pulses to ignore the in-between noise. I'd also worry a bit
% about pulse-spreading due to multipath. Maybe a pseudo-random scheme would
% be a good approach, but would likely have a mid-to-high duty cycle, and thus
% not be pulse.

It is a possibility to build a receiver that only listens when a pulse is supposed to occur, but that wasn't necessarily what I was thinking about. The advantage of using the high peak power of a pulse is that it would be EASILY DETECTABLE even with high path loss. This means that (in theory) you could set up a data link much like CW is used with the human ear: the presence of a pulse has one meaning, and the absence of a pulse has another. There is probably even a better way to do it: consider what you could do if you were to phase modulate the pulses. In other words, control the time delay or latency between pulses. A short time delay could mean a 0 bit, and a long delay could mean a 1 bit.

% Or do you have a good source of low duty cycle 10 GHz power, and want to
% build a system around it?

No, I don't have a 10 GHz pulse source, but they are available. Now if we could only use them legally ...

% Pardon the confused questions, but I don't normally think of low-duty-cycle
% pulse transmission and weak signal operation as going together.

Most people don't. Certainly, I'm not suggesting that real time communications like voice be sent this way. I'm merely proposing that this might be a good use for part of our microwave spectrum. The packet guys are in great need of high-speed inter-city links (among other things).

% Bob W3OTC

% PS. Look at the picture of the 10 GHz SSB PHONE station in QST (I thought in
% W3XO's column, but can't find it.) I've seen and heard '3XO's video of it
% operating over a non-line-of-sight 25 mile path with excellent sigs.
% The power output was in the 20 - 100 mW range, I think.

I've done better than 40 miles over non-line-of-sight paths with only 10 mW and CRUDDY WIDEBAND FM! This was with 2 foot dish antennas on both ends of the path at X-band. Still, I'm not pooh-poohing their efforts; I'm just trying to show that even with simple cheap equipment you can do a lot more than most people expect in the SHF and EHF spectrum.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From -4632316352585579377
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,801fe1a7956acd22
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,14d32c9bc2a2c8e9
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-04-24 08:48:49 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: pulse on X-band
Message-ID: <24281@usc.edu>
Date: 24 Apr 90 01:41:49 GMT
References: <24255@usc.edu> <1250147@hpnmdla.HP.COM>
Sender: news@usc.edu
Followup-To: rec.ham-radio
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 45
Xref: gmdzi rec.ham-radio:11016 rec.ham-radio.packet:2136
Posted: Tue Apr 24 02:41:49 1990

In article <1250147@hpnmdla.HP.COM> glenne@hpnmdla.HP.COM (Glenn Elmore) writes:
% Ken,
%   I don't think pulse privileges really are that much of an issue in
% preventing effective use of the band. As I see it, the main advantage would be
% in using surplus hardware.

Yes, this would be the advantage. I'm not suggesting that we have an
undue hardship with the pulse restriction; I am suggesting that it is
arbitrary and capricious, and that if we didn't have the restriction,
there would be one more possible way that we could effectively
communicate on the band.

% However, moderate power narrowband
% equipment is no longer a difficult proposition. Very long links and
% OTH links require optimum use of the resources; reasonably efficient
% use of the spectrum (bps/Hz numbers) and highly directional beams to
% avoid waste and QRM; as well as physically larger receive antenna apertures
% to recover the information. Even so I suspect that for reliable networks and
% comm. channels we are likely to end up with a larger number of shorter LOS
% links instead of long haul OTH ones.

This may be true. However, I don't think anybody has ever experimented
with using high-power low-duty-cycle signals to build a packet switched
microwave network. My idea might not pan out to anything, but on the
other hand, how will we know unless somebody tries to do it?

% Troposcatter is a fairly predictable
% propagation mechanism at 10 GHz (see my description of an
% experience with it on a 400+ mile path during the 1987 10 GHz terrestrial
% DX record outing in December 1987 QST) but long haul links are inherently
% lossier and less reliable than shorter LOS ones.
%   I strongly agree that we need to use our microwave resources and in

% particular 10 GHz but I think we will end up finding that for efficient
% use of our amateur resources we will start looking more like the telephone
% companies and common carrier folks when we solve the backbone problem.
%
% Glenn Elmore -N6GN- N6GN @ K3MC   glenn@n6gn.ampr.org glenne@hpnmd.hp.com

Sure, we might wind up looking like the telephone companies. Maybe they
have already tried the pulse idea. On the other hand, I have never
heard of it. If nobody has yet tried it, to see what the results are,
what is wrong with us amateurs giving it a try. It just might be
useful.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From 825605765316284133
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,869cd26f44e61a2e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-24 09:22:00 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpfcso!hpfcbig!twt
From: twt@hpfcbig.SDE.HP.COM (Tim Tillson)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood R5000
Message-ID: <7650005@hpfcbig.SDE.HP.COM>
Date: 24 Apr 90 16:22:00 GMT
References: <3210@quiche.cs.mcgill.ca>
Organization: HP SESD, Fort Collins, CO
Lines: 8
Posted: Tue Apr 24 17:22:00 1990

Given that you can buy them new for $849 US mail order, I would guess something
in the $600-700 US range.

I traded mine in on a NRD-525 (which I expect to trade in on an ICOM R-9000,
because I am insane).

Tim Tillson
twt@hpfcbig.sde.hp.com

From 7504102784158222109
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,701b688dc7789017
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-24 09:56:02 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!usc!ucsd!helios.ee.lbl.gov!nosc!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley -- W B 6 W U I)
Newsgroups: rec.ham-radio
Subject: Re: Need unobvious 2 meter antenna...
Message-ID: <2380@crash.cts.com>

Date: 24 Apr 90 16:56:02 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 9
Posted: Tue Apr 24 17:56:02 1990
X-Local-Date: 24 Apr 90 09:56:02 PDT

I have a 60 watt light bulb soldered to a PL-259 on a 12" pigtail. You
wouldn't even have to bother using the war department's lamp....Mike

```
------------------------------------------------------------------------------
| Mike Shirley,  WB6WUI         INET: mikey@pnet01.cts.com                   |
| PO Box 460                    ARPA: crash!pnet01!mikey@nosc.mil            |
| Lakeside, CA  92040-0460      UUCP: {hplabs!hp-sdd nosc}!crash!pnet01!mikey |
------------------------------------------------------------------------------
```

From -7227907609434537046
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0e8b6487bb7debc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-24 10:35:32 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!usc!brutus.cs.uiuc.edu!
psuvax1!psuvm!mls129
From: MLS129@psuvm.psu.edu (Michael L. Sensor)
Newsgroups: rec.ham-radio
Subject: Re: HATE MONGERING MUSHBRAINS
Message-ID: <90113.204801MLS129@psuvm.psu.edu>
Date: 24 Apr 90 00:48:01 GMT
References: <1990Apr21.060104.20254@lopez.UUCP> <11462@portia.Stanford.EDU>
 <1486@kunivv1.sci.kun.nl>
Organization: Penn State University
Lines: 17
Posted: Tue Apr 24 01:48:01 1990

I'm *real* tired of all this ARF/Jack Schmidling garbage. Let's stop this
foolishness _NOW_. This sort of stuff belongs on alt.flame, not on
a ham group.

Like most parasites, this will go away if we ignore it.

Hate-mongering of any type doesn't belong anywhere -- especially not in
amateur radio which is supposed to be a *friendly* hobby!

Thanks...

Mike Sensor <MLS129@PSUVM> KD3LR / AFA1UP
Penn State Altoona Campus -- Altoona PA

KD3LR/R Dedicated Patch 147.65 (you guess the PL)
High atop St Martins Tower in Pittsburgh PA

From 4646618772392552845
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,701b688dc7789017
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-24 11:48:39 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!ucsd!ucbvax!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.HP.COM (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: Need unobvious 2 meter antenna...
Message-ID: <7120118@hpcupt1.HP.COM>
Date: 23 Apr 90 18:54:06 GMT
References: <2870@ultb.isc.rit.edu>
Organization: Hewlett Packard, Cupertino
Lines: 3
Posted: Mon Apr 23 19:54:06 1990

How about a 25 watt light bulb mounted in a lamp? You can subsitute a 100w
bulb for high power applications. This should please most XYL's.
Jim

From -3485849805062649267
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b1597cafbd83443,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-24 11:48:46 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!hplabs!hpda!hpcupt1!tomg
From: tomg@hpcupt1.HP.COM (Tom Graham)
Newsgroups: rec.ham-radio
Subject: JD1 Minami Torishima
Message-ID: <7120119@hpcupt1.HP.COM>
Date: 23 Apr 90 20:11:09 GMT
Organization: Hewlett Packard, Cupertino
Lines: 7
Posted: Mon Apr 23 21:11:09 1990

I need help finding the QSL route for JH1MAO/JD1 on Minami Torishima.
CQ said the route was to JH1MAO but there is no entry for this call
in the 1990 Callbook. Any help would be appreciated.

Tom Graham N6WLF
HP Cupertino
tomg@hpda.hp.com

From -1729979956812019961
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7cf3d3b060faf83,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-04-24 12:34:31 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins: Space Shuttle
Message-ID: <9004250707.AA10977@ucbvax.Berkeley.EDU>
Date: 24 Apr 90 19:34:31 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Tue Apr 24 20:34:31 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current elements for the current shuttle mission are provided below. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
STS 31
1 20579U 90037A   90114.57620854  .00000000  00000-0  00000-0 0 00029
2 20579 028.4676 230.5666 0021936 059.7727 300.5497 14.90549087    10
```

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

---

From 1995364323548134297
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,757c3d6cff395f10,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-24 13:20:31 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!mtxinu!sybase!forrest@orion.sybase.com
From: forrest@orion.sybase.com (Jon Forrest)
Newsgroups: rec.ham-radio
Subject: Are There Any Active 2m Repeaters on St. Martin?
Message-ID: <9220@sybase.sybase.com>
Date: 24 Apr 90 20:20:31 GMT
Sender: news@Sybase.COM
Organization: Sybase, Inc.
Lines: 14
Posted: Tue Apr 24 21:20:31 1990

I'll be taking a trip to St. Martin, French West Indies, soon and I'm wondering if anybody knows of any active 2m repeaters there. I'm not interested in just listings from repeater guides but instead in repeaters that people have actually used.

Thanks,

Anything you read here is my opinion and in no way represents Sybase, Inc.

Jon Forrest WB6EDM
forrest@sybase.com
{pacbell,sun,{uunet,ucbvax}!mtxinu}!sybase!forrest
415-596-3422

From 3651763427409916555
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,93aea11898bf1634
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-24 14:14:48 PST
Path: gmdzi!unido!mcsun!uunet!kaukau.comp.vuw.ac.nz!massey.ac.nz!GMoretti
From: GMoretti@massey.ac.nz (Giovanni Moretti)
Newsgroups: rec.ham-radio
Subject: Re: QEX subscription
Message-ID: <680@massey.ac.nz>
Date: 24 Apr 90 02:17:02 GMT
References: <00935A0A.4CFEB480@lne.kth.se>
Organization: Massey University, Palmerston North, New Zealand
Lines: 15
Posted: Tue Apr 24 03:17:02 1990
X-Reader: NETNEWS/PC Version 2.2

>>re cost of QEX overseas delivery.

I too would be interested in the price of QEX overseas. In QST it says
write to HQ for details. I first put this aside about 2 years ago - it's
still on the list of things to do :-)

Cheers
Giovanni ZL2BOI

```
--
-------------------------------------------------------------------------------
|   GIOVANNI MORETTI, Consultant     | EMail: G.Moretti@massey.ac.nz          |
|Computer Centre,  Massey University | Ph 64 63 69099 x8398, FAX 64 63 505607 |
|   Palmerston North, New Zealand    | QUITTERS NEVER WIN, WINNERS NEVER QUIT |
-------------------------------------------------------------------------------
```

From -2781489742349460050
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bae71257633720b2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-24 14:20:50 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!uwm.edu!cs.utexas.edu!hellgate.utah.edu!helios.ee.lbl.gov!pasteur!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com (DUBE TODD)

Newsgroups: rec.ham-radio
Subject: Radio wanted
Message-ID: <9004242132.AA00669@ti.com>
Date: 24 Apr 90 21:20:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6
Posted: Tue Apr 24 22:20:50 1990
X-Local-Date: 24 Apr 90 14:20:50 PDT

I'm looking for an old WWII radio: BC-654A. Anyone seen one of these lately? Or have one hidden away in the far reaches of the shack?

Thanks,
Thanks,
Dube Todd   N5PDK

From 3514277277167904185
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2383db3e0dcfb08a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-24 15:01:21 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!apple!agate!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com (DUBE TODD)
Newsgroups: rec.ham-radio
Subject: Morse Coding standards (non-ham question)
Message-ID: <9004242215.AA02030@ti.com>
Date: 24 Apr 90 22:01:21 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 21
Posted: Tue Apr 24 23:01:21 1990

I think that this IS a ham question, and a good one at that.
"Babst TA 64837" asked if there are standards for manual coding of Morse Code. I'm not sure of what the actual standards are, but I think that the spacings are something like: a dash is three times as long as a dot; inter-character spacing is about one dash long; the space between dots and dashes within a character are about one dot long; and the inter-word spacing is about three dashes long.

Whatever, there are lots of hams who would do well to consider the effects of spacing when they send. Some of them run characters, words and groups together to the point where they're almost uncopyable. Other people sort of "mix them up" so that you get semi-words; or they vary their speed and spacing. It's amazing how much faster you can copy when the sender is going at a steady pace, and uses good spacing techniques.

I think the best senders are those with a music inclination. They seem to be able to carry the old rhythm over to the brass. Some of them get positively lyrical with their sending; they're a pleasure to QSO with.

73,
Dube Todd   N5PDK

From -8092217864864363140
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,46e7659296d071a9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-24 16:16:15 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!uxh.cso.uiuc.edu!dwsmith
From: dwsmith@uxh.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Autopatches in Maryland
Message-ID: <30000023@uxh.cso.uiuc.edu>
Date: 24 Apr 90 09:40:17 GMT
References: <254@usna.NAVY.MIL>
Lines: 11
Nf-ID: #R:usna.NAVY.MIL:254:uxh.cso.uiuc.edu:30000023:000:209
Nf-From: uxh.cso.uiuc.edu!dwsmith   Apr 23 22:52:00 1990
Posted: Tue Apr 24 10:40:17 1990

Seems to me that I recall that the use of an autopatch to avoid local phone charges (in addition to being just plain tacky) is against phone company tariffs or FCC regs.

Dave Smith
N4DSZ

dwsmith@uiuc.edu

From -8050081534754514343
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,701b688dc7789017
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-24 16:41:59 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Need unobvious 2 meter antenna...
Message-ID: <o1o6H1w161w@w8grt.fidonet.org>
Date: 24 Apr 90 23:41:59 GMT
References: <2870@ultb.isc.rit.edu>
Organization: QRV de W8GRT
Lines: 10
Posted: Wed Apr 25 00:41:59 1990

wlw2286@ultb.isc.rit.edu (W.L. Ware) writes:

> I need to build/buy a highly unobtrusive 2 meter antenna for my base.
>
> I was considering putting it underground, any ideas?

I once saw an article (in QST, I think) about a quartwave vertical with
ground plane fashioned to look like an old-fashioned weather vane.

Of course, flush mounted disks are nice.

From 5038811487362113118
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0e8b6487bb7debc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-24 16:52:10 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: HATE MONGERING MUSHBRAINS
Message-ID: <NHP6H2w161w@w8grt.fidonet.org>
Date: 24 Apr 90 23:52:10 GMT
Organization: QRV de W8GRT
Lines: 6
Posted: Wed Apr 25 00:52:10 1990

In Message-ID: <1990Apr21.060104.20254@lopez.UUCP> ARF says:
> It takes a great deal more intellegence to carry on an
> intellegent discussion

Ah, that explains your message....

From -1582626591917575618
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc5665b1982f8dfc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,dc5665b1982f8dfc
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-04-24 18:29:39 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!apple!portal!cup.portal.com!HAVANAMOON
From: HAVANAMOON@cup.portal.com (Havana - Moon)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Used Kenwood R5000
Message-ID: <29270@cup.portal.com>
Date: 25 Apr 90 01:29:39 GMT
References: <3205@calvin.cs.mcgill.ca>
Organization: The Portal System (TM)
Lines: 13
Xref: gmdzi rec.ham-radio:11099 rec.radio.shortwave:1086

Posted: Wed Apr 25 02:29:39 1990

What is a reasonable price to pay for a used Kenwood R-5000? Perhaps
in the neighborhood of $700 to $750. Just noticed this unit (used)
with mods for $750 in the current issue of MONITORING TIMES (in the
classifieds). Universal Radio in Reynoldsburgh, OH might be better
able to quote the going rate. The price for a used unit without
mods would be much lower. The Universal number is: 1-800-431/3939.
Ask for Jim.

And I have no vested interest in Universal. I simply find them to
be a very reliable dealer that I have had a cordial relationship
with over the years.

"HM"

From 1736200884942085879
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,701b688dc7789017
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-25 00:49:57 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!uflorida!mephisto!
mcnc!rti!xyzzy!aquila!harrism
From: harrism@aquila.rtp.dg.com (Mike Harris)
Newsgroups: rec.ham-radio
Subject: Re: Need unobvious 2 meter antenna...
Message-ID: <612@xyzzy.UUCP>
Date: 24 Apr 90 18:46:56 GMT
References: <2870@ultb.isc.rit.edu>
Sender: usenet@xyzzy.UUCP
Reply-To: harrism@dg-rtp.dg.com
Organization: Data General Corp., Research Triangle Park, NC
Lines: 8
Posted: Tue Apr 24 19:46:56 1990

> I need to build/buy a highly unobtrusive 2 meter antenna for my base.

There is a company (name?) that makes DDR antennas for 2M, 440, etc. Mag mount
and otherwise. Very low profile, very compact, high Q. They advertise in the
ham rags. Put it in a desk drawer.

Mike Harris - KM4UL   harrism@dg-rtp.dg.com
Data General Corporation   {world}!mcnc!rti!dg-rtp!harrism
Research Triangle Park, NC

From 6706505808036064482
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5bd643e57b0a2597,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-25 02:05:06 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!ucbvax!HICKAM-EMH.AF.MIL!1843eie

From: 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE")
Newsgroups: rec.ham-radio
Subject: Police Radios, Why Them and Not Us?
Message-ID: <9004242305.AA12109@ucbvax.Berkeley.EDU>
Date: 24 Apr 90 23:05:25 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 46
Posted: Wed Apr 25 00:05:25 1990
X-Unparsable-Date: 21 Apr 90 21:06:00 GMT-10:00

INTEROFFICE MEMORANDUM

Date: 21-Apr-1990 09:04pm HST
From: 1843EIG/EIE
1843EIE
Dept: 1843EIG/EIE
Tel No: 656-1158

TO: Remote Addressee (_INFO-HAMS@WSMR-SIMTEL20.ARMY.MIL)

Subject: Police Radios, Why Them and Not Us?

>> Chase them down? Throw rocks as the car goes by? Also, "normal"
>> citizens don't have a license to use a radar unit.
>
>They also are often seen using police radios, loaned to them by the
>police departments they are working with.
>

I have a *real* problem with this. About six months ago, everyone was
flaming everyone else (well, almost :-)) at the mere hint that one of us poor
hams should *dare* venture onto a police frequency with one of our
super-modified
Skysocker HT-100 handhelds to report a real emergency. Now we're finding out
that the local gendarmes are letting John Q. Public, with no training at all,
use *their* radios. Sheesh! Well, I guess it shows where the cops' *real*
priorities are.

>> By the way, your ham ticket allows you to legally operate a K band
>> radar gun. Just make sure to ID every 10 minutes :-) The X
>> band guns operate a bit above our 10 GHz ham band. If I remember
>> right, both X and K radar units are part 15 devices.
>
>Also remember that PULSE emissions are not permitted on the 10 Ghz band,
>but you all knew that, right?

No problem, Phil. Just hit 'em with a little CW ID at 15-20 wpm, followed
by some RTTY CQ's (uh, maybe I have that backwards :-)).

73 and good hunting,

```
Jeff Miller, WD6CQV/KH6
(cute sig file 'taint no good if it's on the other machine!)
```

```
From 1568323095143925288
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dedd3d02e5e337d2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-25 02:11:48 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-
state.edu!brutus.cs.uiuc.edu!apple!agate!ucbvax!ibma.nerc-wallingford.ac.UK!PJML
From: PJML@ibma.nerc-wallingford.ac.UK ("Pete Lucas, NCS-TLC, Swindon U.K.")
Newsgroups: rec.ham-radio
Subject: Tube info.
Message-ID: <25.Apr.90.10:16:00.BST.#8099@UK.AC.NWL.IA>
Date: 25 Apr 90 09:11:48 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Wed Apr 25 10:11:48 1990
```

```
>Steven Wheatley AT&T Consumer Products (317) 845-3927
was asking for tube info on British type tubes. I can't mail him
on his Usenet address (keeps bouncing). If he gets me on an
Internet address i can reply. I have the info he wants (i have data on
several THOUSAND different tube types, equivalents etc - anyone who
wants such info, let me know - but PLEASE give an INTERNET address!
Usenet mail from the UK is sometimes bounced!)

   Pete Lucas         PJML@UK.AC.NERC-WALLINGFORD.IBMA       0793-411613
```

```
From -7381075543458120571
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4623dc39f68e3df,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,e4623dc39f68e3df,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-04-25 03:09:22 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: The Black Hole Effect
Keywords: Life where the band is dead...
Message-ID: <1990Apr25.100922.18002@lopez.UUCP>
Date: 25 Apr 90 10:09:22 GMT
Followup-To: rec.ham-radio
Organization: Great White North/UPlink
Lines: 161
Xref: gmdzi rec.ham-radio:11069 rec.radio.shortwave:1076
```

Posted: Wed Apr 25 11:09:22 1990

I live in Marquette Michigan, the land that time forgot. It is not the end of the world, but you can SEE it from here.

I am NORTH of all the Canadian Population Centers. This is the Upper Peninsula of Michigan. The ARRL in 1971 on their official call area map said I am in VE3. Nope. This is 8 land, but north of the world as YOU know it.

This is an article about radio reception and transmission, and is being posted to rec.ham-radio AND rec.radio.shortwave. Followups, since they will be more technical, will be in the ham group, and I do hope for some responses to this one.

I would like to tell you about the BLACK HOLE EFFECT, a phrase I coined about 20 years ago when I was a very new ham, and a seasoned SWL. Now I am an old timer at both hobbies, have solved a lot of mysteries along the way, and would like to share my ideas on the Black Hole Effect with others on the net, and see if anyone else experiences it, or if I am the Lone Ranger....

Pertanent Details:

Marquette is at 47 degrees North Lattitude. The city is on the shore of Lake Superior, the DEEPEST Largest coldest fresh water lake on this fair planet.

Marquette is on the Mesabbe Iron Range, the LARGEST single deposit of Iron Ore on this fair planet.

Marquette is a place where WEIRD things happen with Radio Signals.

Weird Facts:

There are two Television Stations licensed to this city. Because of FAA regulations, they had to locate their transmitters to the West of Marquette County Airport, out past three Iron Mines. With rabbit ears at my location I do not get a glimmer of a hint that these stations exist. Marquette is the most heavilly TV cabled city in the USA. You have cable or you do not watch TV. EVEN THOUGH TWO stations have studios in town. With a fringe antenna on a 40 to 60 foot tower, you CAN get a signal, but it is not very good. The transmitters are not even 30 miles away.

I used to work for a 5,000 watt radio station. It was 6 miles from the city of license. We never had a decent signal in town. We were fine in Canada and Wisconsin, but in town we were the weak one. the 250 watter with its transmitter on the hiway was much louder than we were. Our antenna was in a swamp. Our ground system was superb. We just could not get out.

When I moved here, I was an active DX Listener. I loved the AM broadcast band. I found that the AM band here is about 30 to 40 DB weaker than it was in the town I moved her from. Though I am only 100 miles farther north, EVERYTHING is different. Chicago stations that boomed in on a cheapie transistor set require a communications receiver and a very good antenna to receive. BUT Very Distant Canadian stations often blast through. Also, many nights I have gotten BLASTING signals from stations in the Carribean! PJB in Bonaire, Radio Belize, and the Carribean beacon come in like locals sometimes, and during those times, NOTHING ELSE can be heard. Some nights it is only Low Power Canadian stations from Way out.

I do not have a TV antenna, but people who have them report very strange reception. One guy I know claims that he watches movies every night from Canada by hooking his TV up to a CB BEAM. On UHF no less..... We are talking HUNDREDS of miles if he is to be believed....

On HAM radio, the 20 meter band has been totally dead for over a month. I was a regular listener to the 14.313 situation, but all of a sudden, it is gone. It's not my equipment, I have FOUR receivers. They just went dead on 20 in the daytime.

Tonight on 75, I noticed that there is a regular wipeout for both transmit and receive, beginning about 9pm, and ending around 2am. I happened to be here reading the net, when some of my friends in New Hampshire were saying that they never hear me any more, so I went to try and talk with them. They all thought I was barefoot. My Henry was running 1500 watts out. No one could copy me. Then the whole gang faded right out to nothing, and it stayed that way for three hours. Slowly it all came back, and the guys were still on the air, so I came back on and we discussed the Black Hole Effect, which seems to NOT affect anyone else in that group but me. They all continue merrily chatting, and I hear them one by one get fluttery (aroural effect) and then vanish. For three hours the band is completely wiped out, and then slowly it comes back, until around 3am they are all 10 over 9 and so am I.

The theory postulated is this:

The permeability of the earth where I am at is the equivalent of living on a ferrite choke. There seems to be a breakthrough point regarding power level. When I go from 100 watts to 1000 watts, instead of the expected 10db increase, people tell me that my signal is 30 to 40db louder. This is not normal.

I seem to experience a severe aroural effect here that no one else does. The least bit of solar storm activity, and the bands dry up.

What I think is happening is that the combination of high ground absorbtion coupled with high aroura absorbtion yields signals that do not get to the other end.

I call it the black hole effect because it seems that on some frequencies, things can be received that are so far away and should be so weak that it defies logic. I can not transmit on the BCB to see if when I hear the Carribean I can not talk there, so this is only a theory, but I think it is a one way deal. I think the high ground permeability would keep my signal from getting out, while still providing some really wild receiving conditions.

I have talked with people all over the country on the air, and NO ONE else lives in a place like this. I think the combination of being so far north (Into the Aroural Zone), the Lake, the Iron Range, and who knows what else voodo, all plays a part.

A couple years ago a friend from Chicago came up here for a visit. He was flabberghasted when he found the ABYSMAL GROUND WAVE conditions (like the broadcasters up here have to live with). He was 10 miles from town before he could hear me. I was running full power on the 75 meter band. He was just barely above the noise.

BUT before you say "Gosh I could never live there"... Let me tell you a secret.

The black hole effect usually lasts only a month or so every year, though it can come at any time.

We have NO STATIC to speak of here! I talk to people all the time who are griping about their 20 over 9 static, while my S meter sits on the left side of the pin except when people talk. When we are not in a black hole situation, I can hear stations that no one else in the nationwide group can hear, simply because my noise level is so gloriously low.

In short, you could not get me to leave this place because even with its weird conditions, the fact that the only time I get static is during a local thunderstorm (it hardly rains here either)....

Winter here is just about exactly 6 months long. Almost 6 months of skiing if you are into that (I am not). BUT in the summer, the sun is out til way past 10pm. Almost 11 at summer solstice.

Is there anyone North of me on the net? (Sorry Toronto, and Montreal, you are my neighbors to the SOUTH!). I would like to know how much of this stuff is Aroural, and how much is because of the Permeability of our iron rich ground shelf.

Lets Get Technical!

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```
== 14.313 == Amateur Radio Forum Saturday 11:00AM Eastern time == 14.313 ==
==  Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash)  GWN UPLink  ==
==  3.950  Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================
```

From 6692169709616202664
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fb07436256ebba91
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-25 05:13:44 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!voder!thoreau!rtodd
From: rtodd@thoreau.nsc.com (Ron Todd)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood 721 Display Upgrade
Summary: volt meters on battery rigs
Message-ID: <45@thoreau.nsc.com>
Date: 25 Apr 90 12:13:44 GMT
References: <752@west.West.Sun.COM> <30500507@ux1.cso.uiuc.edu>
Organization: National Semiconductor, S. Portland, Maine
Lines: 21
Posted: Wed Apr 25 13:13:44 1990

In article <30500507@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:

>
> The ability for almost all the radios on the market to detect a low-battery
> condition is terribly inadequate.
>
> stuff deleted
>
> If it comes as a plug option, then I'd also want better accuracy (1/20 volt)
> and a current meter, too.

Right on, Phil! A little more diagnostics wouldn't hurt much. With all
the mixed signal chips, analog interfaces to digital chips and powerful
uPs with cheap memory this would be a welcome improvment over the possible
use of those poor excuses for an S-meter called bar graphs.

I remember the days when rigs had meter switches that did a lot more than
monitor ALC and final current, even the Gonset "Communicators" had meter
(eyes for the earlier ones) switches.

Ron Todd, K3FR   The "PATHFINDER" guy.

From -4825228102419708286
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,46e7659296d071a9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-25 05:41:51 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!usc!zaphod.mps.ohio-state.edu!lavaca.uh.edu!uhnix1!texbell!nuchat!splut!jay

From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Autopatches in Maryland
Message-ID: <ZFN#XSD@splut.conmicro.com>
Date: 25 Apr 90 12:41:51 GMT
References: <254@usna.NAVY.MIL> <30000023@uxh.cso.uiuc.edu>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 20
Posted: Wed Apr 25 13:41:51 1990

In article <30000023@uxh.cso.uiuc.edu> dwsmith@uxh.cso.uiuc.edu writes:
>Seems to me that I recall that the use of an autopatch to avoid local
>phone charges (in addition to being just plain tacky) is against phone
>company tariffs or FCC regs.

I've been hearing this argument for years, and nobody has ever been able to substantiate it. While I suspect that the phone company would object, it would be no more illegal than using an HF phone patch for the same thing.

A more practical problem in doing what the original poster wanted is privacy - there is none on an autopatch. This, plus the restriction on business calls, makes the usability of an autopatch for routine personal calling pretty low.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
attctc, RIP. It was nice knowing ya +---------------------------------------
  "Flying is a lot more fun than being in the Senate." -- Senator Jake Garn
```

From 1231726375367459398
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3372f5b58eb90500,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-25 06:03:52 PST
Path: gmdzi!unido!mcsun!uunet!mitel!sce!cognos!dgbt!barry
From: barry@dgbt.uucp (Barry McLarnon DGBT/DIP)
Newsgroups: rec.ham-radio
Subject: Re: HATE MONGERING MUSHBRAIN
Message-ID: <1414@dgbt.uucp>
Date: 25 Apr 90 13:03:52 GMT
References: <1990Apr19.050341.18071@lopez.UUCP>
Organization: CRC, Ottawa CANADA
Lines: 15
Posted: Wed Apr 25 14:03:52 1990

From article <1990Apr19.050341.18071@lopez.UUCP>, by arf@lopez.UUCP (Jack Schmidling):
> Why are you bringing your hate mongering into this
> newsgroup?   Doncha know anything about net ettiquette

This is a good one - a lecture on net etiquette from the guy who has one of the most bloated, grotesque signature files ever seen on the net. Your concern for etiquette has touched my heart, Jack. Now let's see if you can practice what you so righteously preach.

Barry VE3JF

--
Barry McLarnon   Communications Research Center   Ottawa, ON   Canada
Internet: barry@dgbt.crc.dnd.ca   UUCP: ...utzoo!dciem!nrcaer!dgbt!barry
CI$: 71470,3651   PBBS: VE3JF@VE3JF   AMPRnet: barry@bbs.ve3jf [44.135.96.6]

From 2188588276421073453
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28644cb16a2bad6c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-25 06:09:00 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!apple!agate!ucbvax!ibma.nerc-wallingford.ac.UK!PJML
From: PJML@ibma.nerc-wallingford.ac.UK ("Pete Lucas, NCS-TLC, Swindon U.K.")
Newsgroups: rec.ham-radio
Subject: Remote mount...
Message-ID: <25.Apr.90.14:25:55.BST.#8469@UK.AC.NWL.IA>
Date: 25 Apr 90 13:09:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 37
Posted: Wed Apr 25 14:09:00 1990

Remote-mounted radios are a great idea. I have used a considerable range of such radios in the past, i see the advantages to be:

1) Easier to instal in modern automobiles. The control head can often go in place of the normal broadcast radio - but the hole is rarely deep enough to fit a full-size ham radio in, without redesigning the instrument panel or moving the heater/airconditioning. So stick the signal unit in the trunk where its nice and spacious, and run a control cable to the trunk.
Thats the *only* way you can do it with some gear (I used to run a 'PYE Vanguard' - a 18" by 12" by 9" 100-watt TUBE mobile rig on 2 meters...
it just would not fit anywhere except the trunk!)

2) More secure: If some jerk breaks into your car to steal the radios, he more than likely just gets the control head.
You can always buy (or build - theres only a couple of pots and channel change switches and high/low buttons) another, at less than the cost of a new radio.

3) Safer: No bulky radio on the transmission hump, for you to smash your knees agains if you have a wreck.. No 50-amp power feeds hanging about to get caught round the gearshift...

4) Neater: Fewer wires trailing about (if you do the installation properly, that is). Less equipment to climb over when trying to get into the rear seats of a two-door car (important if you have to carry children or non radio-literates who trample over your gear!)

5) Better for the radios: The trunk is usually cooler and better ventilated than the instrument panel. With good air circulation, your heatsinks will run cooler and the radio will last longer..

With some modern smaller radios, the signal unit could possibly be installed under the seat rather than in the trunk.
I think one of the ICOM ranges uses an optic-fibre to link the head to the radios (several 'band modules', one control-head!)

Pete Lucas G6WBJ   PJML@UK.AC.NERC-WALLINGFORD.IBMA   0793-411613

From -1500025253821780575
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,39ab713adbde783d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-25 06:14:46 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!asuvax!ncar!tank!fac_watts@gsbacd.uchicago.edu
From: fac_watts@gsbacd.uchicago.edu
Newsgroups: rec.ham-radio
Subject: re: QEX subscription price
Message-ID: <8900@tank.uchicago.edu>
Date: 24 Apr 90 14:53:25 GMT
Sender: news@tank.uchicago.edu
Organization: University of Chicago Graduate School of Business
Lines: 22
Posted: Tue Apr 24 15:53:25 1990

from the qex renewal notice i recived yesterday from arrl:

	u.s.	canada,mex,u.s. 1st class	elsewhere (airmail)
arrl member	$10	$18	$38
non member	$20	$28	$48

remittance in us funds. check drawn on us bank

arrl address: 225 main street
newington, ct 06111

john watts
wb2wkb
fac_watts@gsbacd.uchicago.edu

From 7562359240343779668
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,35c1e4936770c81c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-25 09:13:45 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!samsung!cg-atla!raybed2!ewb
From: ewb@raybed2.ray.com (EUGENE BALINSKI)
Newsgroups: rec.ham-radio
Subject: Additional Dayton Freq
Keywords: L-Band
Message-ID: <1586@raybed2.ray.com>
Date: 25 Apr 90 16:13:45 GMT
Organization: Raytheon Co., Tewksbury, Mass.
Lines: 8
Posted: Wed Apr 25 17:13:45 1990

Well folks, it's actually here. Hope to see everyone at the Hostility
err Hospitality suite.

For those of you with 1200 gear there will be a bunch of people on
1274.0 MHz. So if you have the gear bring it and say hello.

73
Gene WA1UXA

From -660936734830561402
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b215e671cf2a16fa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-25 09:40:57 PST
Path: gmdzi!unido!mcsun!uunet!samsung!xylogics!world!dfickes
From: dfickes@world.std.com (David Fickes)
Newsgroups: rec.ham-radio
Subject: Code training program...
Message-ID: <1990Apr24.172123.2976@world.std.com>
Date: 24 Apr 90 17:21:23 GMT
References: <5A0416133A080312-MTABWIDENER*DXANDY@widener>
Organization: The World
Lines: 10
Posted: Tue Apr 24 18:21:23 1990

Does anyone have a code training program for an IBM-PC running
MS/LOSS ?

thx, david

--
David K. Fickes dfickes@world.std.com
(617) 536-6352

From 6959524267650358948
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b215e671cf2a16fa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-25 10:27:56 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!bridge2!mips!wdl1!engle
From: engle@wdl1.UUCP (David Engle)
Newsgroups: rec.ham-radio
Subject: Re: Lots of Questions
Message-ID: <4820024@wdl1.UUCP>
Date: 25 Apr 90 17:27:56 GMT
References: <5A0416133A080312-MTABWIDENER*DXANDY@widener>
Lines: 92
Posted: Wed Apr 25 18:27:56 1990

> I have recently had my interest in Ham Radio rekindled and I have
>decided to go ahead and take the exams. I plan to go for the General Class
> ...
> I plan to spend around $1500 and I am most interested in the HF bands and
>DXing. A few people I have talked to have recommended the Kenwood TS-440S.
>If anyone has any thoughts on this rig I would really appreciate hearing them.
>If you have any other recommendations, I would also be very interested in them.
>
> As far as antennas are concerned, some people have told me that I will do
>just fine with a simple vertical antenna. Others have said that it is worth
>investing in a beam. What kind of antennas would you recommend? If I get a
>beam, will I also need a rotator? Is it worth the extra cash? I have seen
>a lot of adverts for antennas, some of which say that they are pretuned for a
> ...
> Andy Greenshields [dxandy@widener.BITNET]

Andy asks for a mail response this request. However, since this question comes about once a month and BITNET mail generally fails for me, I'll post a general response here.

First, to the net in general: when asking questions, GIVE A PHONE NUMBER. Not all the readers of this group are students who can't afford to make long distance phone calls (they or their employers can afford it that is). There have been numerous questions asked that I have passed up answering because I can't afford to take the time to type out a response. This is specially so in answering technical questions, where there are many responses and the person asking did not give enough particulars.

Regarding a rig to choose: With the exception of the entry level Yaseu (757?), any new rig would fill the bill. Your best bet is to choose one that is recommended by a local ham. Find out what is in use in your local area and talk to local hams. Then make your choice. Go knock on the door of a house with visible amateur antennas. I did this to three local hams, not one turned me away, they took a stranger in and each spent several hours talking to me. I personally prefer ICOM products, but others in this area use Kenwood. The number of knobs on the pannel does not determine the goodness of the radio.

Antennas: I have spent more money on antennas and towers than I have on radios. This was good advice given to me and I pass it on to you also. Get a decent antenna. IF you have never used anything else, a vertical seems not to bad. However, unless space (or landlord) dictates otherwise get a beam. Start with a 3 element tribander if you are looking for low bucks. Get one of the smaller ones and you can put it on a TV mast and turn it with a TV rotator. Brand new for everything this will cost about $500, good shopping at flea markets (or the local hams suggested above) will provide this for $100 or so. My first TH-3jr, mast, rotator, and coax was bought ($75) from a local ham upgrading to a big tower and antenna. I used this and a borrowed rig for a year and then bought my own, used, rig. Until I got into DXing this served me well for 5 years (and 125 countries). A vertical will work for 80/75 and 40 meters, but in the long run you will be unhappy with a vertical on 20/15/10 (to the flamers, yes a vert works now. But in a year or so the sun spots will be down and then the vert just won't be any fun). A small tri-bander or any beam will require a rotator. It will also work better the higher you get it, start with a 2 section 20' TV mast on the roof. This will put the antenna at about 35' which you should look at as a minimum. To this you could add a vertical or wire antennas for 40 and 80/75 meters. 10-15 are daytime bands, 20 daytime & early evening, and 40, 80/75 are night time bands. To fill out your ability to operate all the time you will eventually need to get antennas for the "low" bands. This set up will work fine for lots of years.

Don't forget to budget accessories in your plan. If CW is in your operating plans you will need a key and/or paddles and a keyer. You will need an antenna tuner to get wires and/or the verical to work on all of the low bands. An independent (from the rig) SWR/power meter is nice (but if the rig has one, it may not be absolutely needed). You will also need to get an coax switch for selecting antennas (you WILL have more than one antenna, they are the easiest and cheapest form of experimenting you will do). To keep the rest of the family (neighobors) happy get a set of earphones, they also make it easier to contact weak stations. You will need coax (DO NOT skimp here), rotator wire, a ground rod, and some wire to run to the ground. If you don't have tools you will need moderate to heavy soldering iron (gun) and assorted hand tools to put all this stuff together. And finally, get a dummy load for testing and tuning up.

Absolutely the last thing to buy is a linear amplifier. If you have not spent as much on antennas and towers as you have the rig, you are wasting your money.

I recommend you get to know several local hams before you start. They will save you an immense amount of money besides being the first of a group of life time friends. If for no other reason that you can't put up antennas by yourself (or you shouldn't try to by yourself).

Have fun and welcome to the world of amateur radio.

regards, Dave

David Engle, KE6ZE - engle@wdl1.wdl.fac.com - 408/473-4419 @ Ford Aerospace
Facts, what facts. I don't got to show you no stinking facts. These are
opinions expressed here. "Any clod can have the facts, its an art to have
an opinion" Herb Caen, SF Chronicle.

From 8642473459489764888
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c63acdccb2e956a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-25 11:51:07 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!sdd.hp.com!
ucsd!ames!haven!decuac!shlump.nac.dec.com!carafe.enet.dec.com!goldstein
From: goldstein@carafe.enet.dec.com (Fred R. Goldstein)
Newsgroups: rec.ham-radio
Subject: Re: TCP/IP in anticomputers
Message-ID: <10582@shlump.nac.dec.com>
Date: 24 Apr 90 21:54:28 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 53
Posted: Tue Apr 24 22:54:28 1990

In article <1949@rsiatl.UUCP>, jgd@rsiatl.UUCP (John G. De Armond) writes...
>I'm a bit perplexed by this statement considering how much traffic AX.25
>moves each day even in the hostile environments like HF. If you mean that
>there are features in the AX.25 protocol that you find distasteful, then
>I agree, and we'd probably even mostly agree on what's distasteful.
>But in my book, something that works even a little bit is not "broken beyond
>repair."

No, in my book, a protocol is broken if it fails easily. Any hack will work under best-case engineering. A protocol should handle the worst case that it's used for. Thus, we're arguing semantics of "broken".

Incidentally, we have a guideline that if a protocol fails if you throw a bogon at it, it's still broken. A robust protocol ignores crud and does its best. But that's asking a bit much for now...

>You are confusing poor RF engineering with protocol deficiences. I think
>we'd all agree that most any protocol, especially any CSMA protocol will
>perform poorly on simplex networks, especially those based upon simplex
>digipeaters. On the other hand, a properly engineered full duplex RF
>environment is practically immune from collapse. I've proven that
>pretty conclusivly here on the 146.73 LAN channel.

Again, if you give it a good physical channel, even the worst protocol will often "work". AX.25 was designed for packet radio. It doesn't work reliably over _most_ packet radio. If I had a FDX repeater for packet, I'd be happier, but that's only moving the problem downwards.

I also support faster modems, etc., but I fear that appliance AX.25 with 1200 bps AFSK is a common "bundle". Both are deficient; if you're going to replace one, you might as well replace both.

>Phil's code is a very accurate duplication of the environment one finds
>in a Berkley IP environment. (And it would be an accurate model even
>if phil decides not to emulate the kernel panics :-) It works fine
>on the ethernet or on SLIP. I use it everyday for that environment....
>But when we throw this same environment onto non-sophisticated hams,
>the situation is quite different. Not only is the user interface
>alien, hard to use and cryptic, we have moved all the complexity of
>network management off a few nodes and into each ham's shack. This,
>I submit, is negative progress. Promises of future servers to address all
>problems do not aleviate the situation.

I agree that the _implementation of TCP/IP is not yet suitable for average hams. That's why the "anticomputers" should do it! The backbone should be TCP/IP, but simple/cheap (even AX.25 one hop) access should remain available for at least the time being.
fred k1io

---

Fred R. Goldstein goldstein@carafe.enet.dec.com
or goldstein@delni.enet.dec.com
voice: +1 508 486 7388

From -6248855993030094236
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61b45e7a6094ffbd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-25 13:20:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!apollo!hays
From: hays@apollo.HP.COM (John Hays)
Newsgroups: rec.ham-radio
Subject: Re: No audio on Icom...general fixing things
Message-ID: <4a05097c.20b6d@apollo.HP.COM>
Date: 25 Apr 90 20:20:00 GMT
References: <2847@ultb.isc.rit.edu> <4361@kd4nc.UUCP> <560@ghp.UUCP>
Sender: root@apollo.HP.COM
Reply-To: hays@apollo.HP.COM (John Hays)
Organization: Hewlett-Packard Company, Apollo Division; Chelmsford, MA
Lines: 14
Posted: Wed Apr 25 21:20:00 1990

Hi ---

30 days after the warranty on my IC-735 the audio all but died (you could here some audio but way down) ... I happened to live near the Bellevue facility ... and I bought a new Audio PA chip ... plugged it in and still no audio... After probing around a bit I found that

one of the capacitors on the Audio PA stage had shorted ... replaced
it and the rig has been super the last 4 years.

Just a place to look ??!!!

John
KD7UW

From -1447904768016462796
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f6225d8fbfea3c26,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-25 13:30:34 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!zaphod.mps.ohio-state.edu!usc!apple!agate!ucbvax!skvax1.csc.ti.com!anderson
From: anderson@skvax1.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Wanted Kenwood 140
Message-ID: <9004252031.AA26141@ti.com>
Date: 25 Apr 90 20:30:34 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Wed Apr 25 21:30:34 1990

A fried of mine is looking for a Kenwood 140S or 140.

If anyone is interested in selling one in good opeating
condition, let me know.

What would a good price be for a used 140?

Does anyone have any experience with one?

I sent out a request already for any product reviews anyone
knows of.

Thanks

John Anderson
N5OPY

From 2472468804991839831
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28a837e81ad49026,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-25 14:22:00 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!apple!agate!ucbvax!TAMVENUS.BITNET!JWJ2047

From: JWJ2047@TAMVENUS.BITNET
Newsgroups: rec.ham-radio
Subject: Sony Air 8 mods
Message-ID: <9004271006.AA04856@ucbvax.Berkeley.EDU>
Date: 25 Apr 90 21:22:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Wed Apr 25 22:22:00 1990

I am interested in finding possible mods for increased coverage on the Sony Air 8 especially to include the noaa wx satellites 136-138 and also above 174 Mhz. If there is anybody who knows of any mods, for this radio, please send mail to me. I have not been able to get any info on this listserv or on packet so if you know anything, please help out.
Tnx
Joe Jurecka N5PYK
JWJ2047@TAMVENUS

From -1278139210251298766
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9b1597cafbd83443
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-25 15:32:06 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!swrinde!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!watserv1!watmath!att!cbnewsj!k2ph
From: k2ph@cbnewsj.ATT.COM (The QRPer)
Newsgroups: rec.ham-radio
Subject: Re: JD1 Minami Torishima
Message-ID: <4804@cbnewsj.ATT.COM>
Date: 24 Apr 90 22:47:14 GMT
References: <7120119@hpcupt1.HP.COM>
Organization: QRM Central
Lines: 16
Posted: Tue Apr 24 23:47:14 1990

From article <7120119@hpcupt1.HP.COM>, by tomg@hpcupt1.HP.COM (Tom Graham):
> I need help finding the QSL route for JH1MAO/JD1 on Minami Torishima.

I know you're not going to believe this address--I didn't.
But I have the card, so I know it's accurate. In any case,
QSL for JH1MAO/JD1 is:

Jimmy Suzuki   (yeah right--and I'm Joe Isuzu)
1484-24 Izumi-Cho
Hachioji-Shi Tokyo
Japan

```
--
=================================================================
Bob Schreibmaier K2PH  | UUCP: att!lzss!k2ph or k2ph@lzss.att.com
AT&T Bell Laboratories | ARPA: k2ph%lzss@att.arpa
Lincroft, N.J. 07738   | ICBM: 40o21'N, 74o8'W
```

From -5363678282831941423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17f54afef402767f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-25 15:57:07 PST
Path: gmdzi!unido!mcsun!uunet!mnetor!ghp!jim
From: jim@ghp.UUCP (Jim Stewart)
Newsgroups: rec.ham-radio
Subject: Subscription to RF Design
Message-ID: <562@ghp.UUCP>
Date: 25 Apr 90 22:57:07 GMT
Lines: 8
Posted: Wed Apr 25 23:57:07 1990

Would someone send me the subscription address, phone number
and rate for "RF Design"?

tnx
--
Jim Stewart, VE3SRJ
UUCP: jim%ghp@mnetor.uucp
BELL: (416)862-0430

From -3183241094217255965
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c2f64315511bc455,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-25 18:44:36 PST
Path: gmdzi!unido!mcsun!uunet!cadnetix.COM!cadnetix!rusty
From: rusty@cadnetix.COM (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: The Un-Net
Message-ID: <12166@cadnetix.COM>
Date: 26 Apr 90 01:44:36 GMT
Sender: news@cadnetix.COM
Reply-To: rusty@cadnetix.COM (Rusty Carruth)
Lines: 25
Posted: Thu Apr 26 02:44:36 1990

Well, its time for my semi-regular reminder about the Un-Net.

What is it? It is a time range and a set of frequencies, sort
of a place to meet.

When? "Every" saturday from 1700Z to at least 1800Z, usually I try
to shoot for 1900Z. (I decided to not move it this year when the
Dumb... er Daylight Savings Time went into effect)

Where? 28.410 MHz and/or 28.390 MHz, or thereabouts.

Who? Net-types. (i.e. YOU :-))

(Yeah, I know, this weekend is Dayton. But for those of us
NOT going to Dayton, let this serve as a reminder/invitation)

73, and don't forget to un-check into the un-net :-)   :-)

Rusty

```
---Join the usenet un-net, 28.410 and/or 28.390(+-) 1700Z to 1900Z saturdays!
Rusty Carruth.                  Radio: N7IKQ                 ^^ or later :-)
DOMAIN: rusty@cadnetix.com      UUCP:{uunet,boulder}!cadnetix!rusty
home: POB. 461, Lafayette CO 80026
```

From 8951703945698724076
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7cf3d3b060faf83
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-25 19:01:24 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!usc!apple!agate!ucbvax!blackbird.afit.af.mil!tkelso
From: tkelso@blackbird.afit.af.mil (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins: Space Shuttle
Message-ID: <9004271006.AA04865@ucbvax.Berkeley.EDU>
Date: 26 Apr 90 02:01:24 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Thu Apr 26 03:01:24 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current elements for the current shuttle mission are provided below. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
STS 31
1 20579U 90037 A  90115.92010824  .00000000  00000-0  00000-0 0  0018
2 20579 028.4695 222.0079 0005057 294.6488 065.4027 14.83847627000216
HST
1 20580U 90037 B  90115.92009663  .00000000  00000-0  00000-0 0  0019
2 20580 028.4696 222.0073 0004592 305.5468 054.5145 14.84125499000213
```

```
--
Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology
```

From 8248939960155563908
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b81cf2f9b22bd998
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-25 23:31:09 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!brutus.cs.uiuc.edu!apple!pvh
From: pvh@Apple.COM (Pete Helme)
Newsgroups: rec.ham-radio
Subject: Standard C520
Message-ID: <40527@apple.Apple.COM>
Date: 25 Apr 90 06:33:30 GMT
References: <9004232303.AA11518@cmr.ncsl.nist.gov>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 8
Posted: Wed Apr 25 07:33:30 1990

Does anyone out there (most likely in Japan) own one of these dual band
HTs? (And know if US versions are available)

Thanks,

Pete
N6YLJ

From 4104847672666860334
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,90114fc035208f74,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,90114fc035208f74,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10a148,90114fc035208f74,start
X-Google-Attributes: gid10a148,public
X-Google-ArrivalTime: 1990-04-25 23:36:01 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp!deimos.cis.ksu.edu!rutgers!uwm.edu!
zaphod.mps.ohio-state.edu!usc!ucsd!nosc!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley -- W B 6 W U I)
Newsgroups: rec.ham-radio,rec.radio.shortwave,sci.space.shuttle
Subject: Re: Shuttle Astronauts heard - direct
Message-ID: <2395@crash.cts.com>
Date: 26 Apr 90 06:36:01 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 9
Xref: gmdzi rec.ham-radio:11067 rec.radio.shortwave:1075 sci.space.shuttle:3758
Posted: Thu Apr 26 07:36:01 1990

A better way to watch/listen is via satellite TV, C band, Satcom F2R,
Transponder 13, audio 6.8 Mhz. Great live video while near/over the
continental USA. Quite enjoyable.

```
| Mike Shirley,  WB6WUI         INET: mikey@pnet01.cts.com                 |
| PO Box 460                    ARPA: crash!pnet01!mikey@nosc.mil          |
| Lakeside, CA  92040-0460      UUCP: {hplabs!hp-sdd nosc}!crash!pnet01!mikey |
------------------------------------------------------------------------------
```

From -6926652107362132762
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2cdfd09aaf69888f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10efc3,2cdfd09aaf69888f,start
X-Google-Attributes: gid10efc3,public
X-Google-ArrivalTime: 1990-04-25 23:36:02 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp!deimos.cis.ksu.edu!rutgers!
cs.utexas.edu!samsung!usc!ucsd!nosc!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley -- W B 6 W U I)
Newsgroups: rec.ham-radio
Subject: Motorola Bravo Pager info needed
Message-ID: <2396@crash.cts.com>
Date: 26 Apr 90 06:36:02 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 11
Posted: Thu Apr 26 07:36:02 1990

Anyone know if the Bravo pager is frequency programable? I also would like to know what goodies are needed to reprogram the cap codes. I would like to have a second display pager on my same "phone number" for my XYL. Any good cheap sources for a pager setup for operation on 931.875 Mhz? My local pager service wants $200.00 to replace a lost/stolen unit. Thanks for any info...

```
------------------------------------------------------------------------------
| Mike Shirley,  WB6WUI         INET: mikey@pnet01.cts.com                 |
| PO Box 460                    ARPA: crash!pnet01!mikey@nosc.mil          |
| Lakeside, CA  92040-0460      UUCP: {hplabs!hp-sdd nosc}!crash!pnet01!mikey |
------------------------------------------------------------------------------
```

From 202731090415012575
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7353301113ef3b4a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7353301113ef3b4a,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-04-25 23:36:53 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: The Black Hole Effect (additional data)
Keywords: More about the black hole
Message-ID: <1990Apr26.063653.1859@lopez.UUCP>
Date: 26 Apr 90 06:36:53 GMT
Followup-To: rec.ham-radio

Organization: Great White North/UPlink
Lines: 51
Xref: gmdzi rec.ham-radio:11070 rec.radio.shortwave:1077
Posted: Thu Apr 26 07:36:53 1990

This is a continuation of an article I posted last night. I am writing this right during another BLACK HOLE INCIDENT.

I was talking to KI2J in New Hampshire, as well as other stations along the East. Everyone had strong signals. Freq 3950khz on 75m, 0400z.

Right during one of my transmissions, everything changed. When I turned it back to KI2J, he said that I had gone from 20 over 9 down to an S-7, He was already down to about S-4, and soon I could no longer hear him.

I tried to tell him that I was in the middle of another of the Famous Marquette Michigan Black Hole Events, but communication ceased.

So I decided to check something. I came down to the computer room, and put up GEOCLOCK, which makes a nice world map with a display of the sun and shadow, much like the GREYLINE ADVANTAGE (IMHO, GEOCLOCK IS SUPERIOR because of all the MAPS you can get for it for detailed info).

Now I notice something very interesting. The effect is most pronounced when the sun is exactly on the opposite side of the earth from me. It starts an hour or so before I am at maximum darkness, which tonight occured around 1:14 AM. The event is still occuring now, and I am monitoring the frequency, and I can hear (barely) several stations in conversation, and they certainly are not experiencing this effect at all. It is obviously aroural, though I still suspect that the Ground Permeability is also a factor. Just why NO OTHER station in the group has NO HINT OF THE EFFECT is somewhat interesting. I do not think that Just because I am the furthest north is the only factor. KI2J is at 44 degrees north, right on the New Hampshire border. I am at 47 degrees north. Three degrees should not make such a substantial difference.

The stations I hear on frequency at the moment are all sounding as if they are at the end of a long tunnel, or a leslie organ speaker. Rotating and echoey signals which are barely copyable. BUT they all hear one another just fine.

This is indeed exceedingly weird.

Usually I experience it in the winter, this is the latest into the spring I remember the effect.

Any other Late Night 75m ops to compare notes with???????

Anyone here from, say Finland? I have worked some really great over the pole stuff during these things down in the DX window....

--
== 14.313 == Amateur Radio Forum Saturday 11:00AM Eastern time == 14.313 ==

== Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash) GWN UPLink ==
== 3.950 Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================

From 643013119510189405
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,801fe1a7956acd22
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 00:34:31 PST
Path: gmdzi!unido!mcsun!uunet!samsung!xylogics!transfer!lectroid!jjmhome!cpoint!die
From: die@cpoint.UUCP (David I. Emery)
Newsgroups: rec.ham-radio
Subject: Re: pulse on X-band
Message-ID: <4826@cpoint.UUCP>
Date: 26 Apr 90 07:34:31 GMT
References: <24255@usc.edu> <1250147@hpnmdla.HP.COM> <24281@usc.edu>
Reply-To: die@cpoint.UUCP (David I. Emery)
Organization: Clearpoint Research Corp., Hopkinton Mass.
Lines: 39
Posted: Thu Apr 26 08:34:31 1990

In article <24281@usc.edu> kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
>Sure, we might wind up looking like the telephone companies. Maybe they
>have already tried the pulse idea. On the other hand, I have never
>heard of it.

For what it is worth, I remember reading that one of the very first operational microwave relay systems, in service late in World War II or just after, was based on magnetron generated pulses. It time division multiplexed something like 8 voice channels onto one RF channel by using pulse position (or pulse delay) modulation. I seem to remember reading that it was used to establish a telephone link across the Rhine for use by the US occupation forces. The author of the article I read considered this to be the first non-experimental use of microwave technology to relay telephone traffic.

It seems to me that the peak-envelope-power limit now in effect limits the attractiveness of pulse techniques, since one can no longer legally fire up that old radar magnetron with 1 megawatt peak envelope power and radiate hundreds of watts average power in .05% duty cycle pulses with real PEP wallop.

Aside from the conveniance of using ancient radar technology to generate high power pulses easily, pulse techniques have little to offer in performance relative to CW modulations such as FSK, PSK etc. because the energy in a fast pulse is spread out over a wide bandwidth. A simple receiver attempting to recover intelligence in a low duty cycle pulse stream must either have a wide bandwidth relative to the bit (pulse) rate that lets in a lot of noise, or use a narrower bandwidth that excludes a significant fraction of the energy contained in the signal. This is not particularly optimum by comparision with

modulations that concentrate their energy in a narrow bandwidth relative
to the baud rate allowing IF filters to exclude more noise.

--
David I. Emery   Clearpoint Research Corp.
35 Parkwood Dr, Hopkinton Ma. 01748 1-508-435-7462
{decvax, cybvax0, mirror}!frog!cpoint!die
{m2c}!jjmhome!cpoint!die,   Internet: die@cpoint.clearpoint.com

From 7950483677646287381
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17f54afef402767f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 04:40:22 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!ucbvax!dgc.mceo.dg.COM!Pete_Simpson
From: Pete_Simpson@dgc.mceo.dg.COM
Newsgroups: rec.ham-radio
Subject: Subscription to RF Design
Message-ID: <9004261240.AA00043@adam.DG.COM>
Date: 26 Apr 90 11:40:22 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: PZS%mercury.mceo.dg.com@RELAY.CS.NET
Organization: The Internet
Lines: 9
Posted: Thu Apr 26 12:40:22 1990

CEO summary:
RF Design
Cardiff Publishing Company
POB 6317
Duluth, MN 55806-9954
.
If you can convince then you're "responsible for the design and
development of communications equipment," you can get it for free.
Others pay $33/yr. (A bit expensive for what you get, I think)

From -7797736799126708376
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c9915d7e23fe97ab,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 05:28:50 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!think!yale!cmcl2!husc6!genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: New Versions MacIntosh Ham Stacks
Message-ID: <35852@genrad.UUCP>
Date: 26 Apr 90 12:28:50 GMT
Sender: news@genrad.UUCP

Lines: 57
Posted: Thu Apr 26 13:28:50 1990

It's been a long time since I last posted anything about these stacks, so I'll refresh your memories about what they are first:

I've created 5 HyperCard MacIntosh Stacks which are helpful for practicing taking the Written tests. There is one stack each for Novice, Technician, General, Advanced, and Amateur Extra written tests. Each stack contains the entire question pool supplied by ARRL and will create a randomly generated test of the correct number of questions (like 30 for Novice) and of the correct number of questions from each section. The tests are interactive and CAN tell you immediately if you get the question wrong, and they will also give you a score afterwards, plus allow you to review the questions that you missed.

I've given away about 50 copies of these stacks already, and they are still available, although now, I must request a Self-Addressed Stamped Envelope, plus blank 800K diskette if you wish me to send a copy (I have no more blank diskettes to give away). Alternately, the Ham Stacks are maintained on a couple of systems via anonymous FTP, although I do not support this. I have no access to any system that allows this. Two places you might look for them are on tank.uchicago.edu, or on Patty Winter's system (don't know the name of the system, Sorry!). They are also available thru a couple of MacIntosh Ham diskette exchanges, one in Austin, Texas, one in Manchester, NH.

I have updated the Novice Stack and the Extra Stack and will be sending them shortly to Patty. The Novice Stack has some minor typos fixed, plus I've added a capability to PRINT the results of the test, for use as official scores. We have in fact used this method for 2 of our last Novice class, when we ran out of written tests. Obviously, this method is not useful for anything other than Novice, since higher classes require that you use Three VEs, so I haven't added this functionality to any of the other Stacks. The Extra Stack has some typos fixed, and a couple of other more major bugs fixed.

Another question that continually pops up is if these files can be ported to a computer other than MacIntoshes. I'm sure they could, especially since HyperCard (or a similar program) is now available on PCs......but I don't have any access to any other computer, so I can't provide anything but 3 1/2" floppy diskettes, used by Macs.

If you wish a copy of these from me, please send SASE and Diskette to:

Diana L. Syriac
49A Meadow Pond Drive
Leominster, MA. 01453

Keep the blue side up!

Diana

```
->Diana L. Syriac   CAP: SM, Freedom 690 Mobile    Ham: KC1SP(1 super pilot)<-
->USmail:   GenRad Inc., Mail Stop 6, 300 Baker Ave, Concord, Mass.  01742  <-
->usenet:   {decvax,mit-eddie}!genrad!dls      or dls@genrad.com
         <-
->tel:       (508) 369-4400 x2459    I'D RATHER BE FLYING!!!
              <-


From 6846555555657277691
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2015bdad6ce54f2f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,2015bdad6ce54f2f,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-04-26 05:29:30 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!mcgill-vision!quiche!calvin!sami
From: sami@quiche.cs.mcgill.ca (Sami BOULOS)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Trading vs. selling
Keywords: R5000
Message-ID: <3240@calvin.cs.mcgill.ca>
Date: 26 Apr 90 12:29:30 GMT
Followup-To: rec.radio.shortwave
Organization: SOCS, McGill University, Montreal, Canada
Lines: 9
Xref: gmdzi rec.radio.shortwave:1078 rec.ham-radio:11072
Posted: Thu Apr 26 13:29:30 1990

Is it more advantageous to sell a used Kenwood R5000 or trade it
for another new rig?  Any advice on dealers who give good prices
for trades/buyings, or is better to sell a used rig privately?


--
Sami Boulos                     sami@softeng.cs.mcgill.ca
McGill University
School of Computer Science


From -1461232253757083734
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8695f6777a23d59f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 05:30:04 PST
Path: gmdzi!unido!mcsun!sunic!chalmers!afs-news!utc.chalmers.se!bernerus
From: bernerus@utc.chalmers.se (Christer Bernerus)
Newsgroups: rec.ham-radio
Subject: Re: Wanted: NEC
Message-ID: <829@vice2utc.chalmers.se>
Date: 25 Apr 90 13:36:12 GMT
```

```
References: <539@xyzzy.UUCP> <30500508@ux1.cso.uiuc.edu>
Sender: news@vice2.utc.chalmers.se
Reply-To: bernerus@utc.chalmers.se (Christer Bernerus)
Organization: Chalmers University of Technology
Lines: 7
Posted: Wed Apr 25 14:36:12 1990

meetoo!!
But does anyone know if the real NEC (not mininec) is publicly available ?
--------------------------------------------------------------------------
Christer Bernerus (SM6FBQ)           ! E-mail:
University Technology Centre for Andrew (UTC)  ! bernerus@utc.chalmers.se
Chalmers University of Technology
S-412 96 Gothenburg  SWEDEN


From -7137468178240254910
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d18048aabc2d7fc6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 05:36:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
cs.utexas.edu!uunet!inmet!benk
From: benk@inmet.inmet.com
Newsgroups: rec.ham-radio
Subject: Re: VOA *LIVE* at Dayton - 2 hours/2 fr
Message-ID: <13700016@inmet>
Date: 26 Apr 90 12:36:00 GMT
References: <280@ka2qhd.UUCP>
Lines: 9
Nf-ID: #R:ka2qhd.UUCP:280:inmet:13700016:000:196
Nf-From: inmet.inmet.com!benk    Apr 26 08:36:00 1990
Posted: Thu Apr 26 13:36:00 1990


    Would you be able to provide the address of the Bethany facility?

    Thanks very much.

   -- Ben Krepp

   From internet: benk@inmet.inmet.com
   From uunet:    uunet!inmet!benk


From 1407361720070878259
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1303b89cd4c807a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 05:55:00 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!snorkelwacker!
mintaka!think!samsung!cs.utexas.edu!texbell!merch!cpe!stevedak
From: stevedak@cpe.UUCP
```

Newsgroups: rec.ham-radio
Subject: ICOM 490A
Message-ID: <37400011@cpe>
Date: 26 Apr 90 12:55:00 GMT
Lines: 11
Nf-ID: #N:cpe:37400011:000:285
Nf-From: cpe.UUCP!stevedak   Apr 26 06:55:00 1990
Posted: Thu Apr 26 13:55:00 1990

Are there any ICOM experts out there who know of modifications to the model 490A to expand its frequency coverage? This is an all mode designed to cover 430 to 440. I would be interested in knowing if it can be made to work up into the 440 to 450 range.

Thanks

Steve Dakin WQ5N

From -1208476083135642434
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,90114fc035208f74
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10a148,90114fc035208f74
X-Google-Attributes: gid10a148,public
X-Google-Thread: 114aac,90114fc035208f74
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-04-26 06:26:21 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!hrc!valley!pfluegerm
From: pfluegerm@valley.UUCP (Mike Pflueger)
Newsgroups: rec.ham-radio,rec.radio.shortwave,sci.space.shuttle
Subject: Shuttle Astronauts heard - direct
Message-ID: <4a03e0a3.15840@valley.UUCP>
Date: 25 Apr 90 14:48:43 GMT
Organization: AG Communication Systems
Lines: 14
Xref: gmdzi rec.ham-radio:11050 rec.radio.shortwave:1062 sci.space.shuttle:3753
Posted: Wed Apr 25 15:48:43 1990

Heard the astronauts direct during their EVA during deployment of the HST.

Heard between 7:15 and 7:30AM MST during their pass over the western US. Space suits are on 279.0 MHz AM. Receiver was an Icom R-7000 with a 1/4 wave groundplane at 15ft.

--
Mike Pflueger @ AG Communication Systems (formerly GTE Comm. Sys.), Phoenix, AZ

  UUCP: {...!ames!ncar!noao!asuvax | uunet!hrc | att}!gtephx!pfluegerm
  Work: 602-582-7049   FAX: 602-581-4850
Packet: WD8KPZ @ W1FJI   Internet: PLEASE USE UUCP PATH (NOT INTERNET)!

From -4181793170055402522
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,831652942afac2b8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 07:54:00 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!ucsd!helios.ee.lbl.gov!pasteur!ucbvax!sacemnet.af.mil!lwrclmr
From: lwrclmr@sacemnet.af.mil ("LWRCLMR")
Newsgroups: rec.ham-radio
Subject: Microwave Oven Transmitters
Message-ID: <9004271400.AA16799@ucbvax.Berkeley.EDU>
Date: 26 Apr 90 14:54:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Thu Apr 26 15:54:00 1990
X-Local-Date: 26 Apr 90 07:54:00 PDT

I don't know if it was mentioned yet, but 73 magazine had an article on how to convert a microwave oven to a transmitter, about 250 watts I think, several months ago. It was in their annual microwave issue.

73,
Michael
WA7SKG

From 6921597799913323432
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,807a992b9b38560a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 08:03:00 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!usc!ucsd!helios.ee.lbl.gov!pasteur!ucbvax!sacemnet.af.mil!lwrclmr
From: lwrclmr@sacemnet.af.mil ("LWRCLMR")
Newsgroups: rec.ham-radio
Subject: RCA APT Terminal
Message-ID: <9004271408.AA17260@ucbvax.Berkeley.EDU>
Date: 26 Apr 90 15:03:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18
Posted: Thu Apr 26 16:03:00 1990
X-Local-Date: 26 Apr 90 08:03:00 PDT

Has anybody purchased the RCA APT terminal advertised in the last 73 magazine? This is supposed to be a good cheap terminal for packet type use. It has video and RF outputs, RS-232, parallel printer port, built in modem, etc. I would like to get one of these if they are any good. Please let me know if you have any experience with these. Thanks.

73,
Michael

```
******************************************************************************
Michael Barnes                         *   The nice thing about policies
InterNet: LWRCLMR@SACEMNET.AF.MIL      *   and standards, is that there
HamNet: WA7SKG                         *   are so many to choose from.
BellNet: 906-346-2811                  *   If you don't find any you
DS Net: 472-2811                       *   like, simply wait for next
Snail Net: 2001CS/XP                   *   years models!
           K.I. SAWYER AFB, MI         *
                     49843-6346        *
******************************************************************************
```

From -6354310709690322229
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b14f6b6896722b22,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 08:06:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!usc!ucsd!ucbvax!SACEMNET.AF.MIL!lwrclmr
From: lwrclmr@SACEMNET.AF.MIL ("LWRCLMR")
Newsgroups: rec.ham-radio
Subject: Hustler address
Message-ID: <9004280048.AA27675@ucbvax.Berkeley.EDU>
Date: 26 Apr 90 15:06:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11
Posted: Thu Apr 26 16:06:00 1990

If you are just looking for replacement resonators for your Hustler antenna, almost every good ham store carries them. Check any of the ads for AES or any other ham outlet and call their 800 number. You'll probably get faster and cheaper response than directly from the factory.

(This is assuming of course, that you just want to buy a new one and not trying for warranty type replacement.)

73,
Michael
WA7SKG

From 8383162964849761274
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17f54afef402767f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 08:19:48 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!mailrus!iuvax!daemon

From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: Subscription to RF Design
Message-ID: <43176@iuvax.cs.indiana.edu>
Date: 26 Apr 90 15:19:48 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 20
Posted: Thu Apr 26 16:19:48 1990

>Would someone send me the subscription address, phone number
>and rate for "RF Design"?
>--
>Jim Stewart, VE3SRJ

RF Design is one of those trade journals which is FREE (i.e., paid for by advertizers) if you give them a company address and tell them you are an engineer who buys items listed on the subscription form. In the context of such publications, it's very good-- It has real aritcles among the ads disguised as such. The editor is a ham!
The address for subscriptions is:

RF Design
Cardiff Publishing Company
P.O. Box 6275
Duluth, MN 55806-9954
--

Frank   W9MKV   reid@ucs.indiana.edu

From 1356215394047528056
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcb8081daeff00d0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 09:09:46 PST
Path: gmdzi!unido!mcsun!ukc!harrier.ukc.ac.uk!pm1
From: pm1@ukc.ac.uk (P.Morgan)
Newsgroups: rec.ham-radio
Subject: Info about US army Model MRA301
Message-ID: <4479@harrier.ukc.ac.uk>
Date: 26 Apr 90 16:09:46 GMT
Reply-To: pm1@ukc.ac.uk (P.Morgan)
Organization: Electronics Lab, University of Kent at Canterbury, UK.
Lines: 9
Posted: Thu Apr 26 17:09:46 1990

Wanted:-Information ciruit diagrams etc. on the

US army Model No.MRA301
Surveying Instrument distance measuring electronic microwave equipment

Made by

Tellurometer(inc) Contract No.DA-184-AMC-750(T)

Many thanks.   Philip

From 8918540850877384038
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17f54afef402767f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 09:27:09 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!uflorida!haven!mimsy!fe2o3!michael
From: michael@fe2o3.UUCP (Michael Katzmann)
Newsgroups: rec.ham-radio
Subject: Re: Subscription to RF Design
Message-ID: <352@fe2o3.UUCP>
Date: 26 Apr 90 16:27:09 GMT
References: <562@ghp.UUCP>
Reply-To: michael@fe2o3.UUCP (Michael Katzmann)
Organization: Rusty's BSD machine at home
Lines: 14
Posted: Thu Apr 26 17:27:09 1990

In article <562@ghp.UUCP> jim@ghp.UUCP (Jim Stewart) writes:
   >Would someone send me the subscription address, phone number
   >and rate for "RF Design"?
   >
   >Jim Stewart, VE3SRJ

RF Design,
Cardiff Publishing Co.
P.O. Box 6317,
Duluth, MN 55806-9954

(218-723 9355)

Free to Qualified Readers or $33 US or $43 Canada

From -4310789078835324204
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5bd643e57b0a2597
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 10:57:50 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!
jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Police Radios, Why Them and Not Us?
Message-ID: <4ey9H1w161w@w8grt.fidonet.org>
Date: 26 Apr 90 17:57:50 GMT
References: <9004242305.AA12109@ucbvax.Berkeley.EDU>
Organization: QRV de W8GRT

```
Lines: 39
Posted: Thu Apr 26 18:57:50 1990

1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE") writes:

>                    I N T E R O F F I C E   M E M O R A N D U M
>
>                                         Date:      21-Apr-1990 09:04pm HST
>                                         From:      1843EIG/EIE
>                                                    1843EIE
>                                         Dept:      1843EIG/EIE
>                                         Tel No:    656-1158
>
> TO:  Remote Addressee                     ( _INFO-HAMS@WSMR-SIMTEL20.ARMY.MIL
>
>
> Subject: Police Radios, Why Them and Not Us?
>
> >> Chase them down?  Throw rocks as the car goes by?  Also, "normal"
> >> citizens don't have a license to use a radar unit.
> >
> >They also are often seen using police radios, loaned to them by the
> >police departments they are working with.
> >
>
> I have a *real* problem with this. About six months ago, everyone was
> flaming everyone else (well, almost :-)) at the mere hint that one of us poor
> hams should *dare* venture onto a police frequency with one of our
> super-modified
> Skysocker HT-100 handhelds to report a real emergency.  Now we're finding out
> that the local gendarmes are letting John Q. Public, with no training at all,
```

You are assuming several things that were not stated. For openers, you are assuming the original report is true. Personally, I tend to doubt it. It just doesn't sound like the sort of thing the responsiblle professionals I have had contct with would do.

Next, you are assuming that the radios were on a primary "hotshot" tactical frequency rather some secondary frequency normally used for non-emergency purposes.

Finally, you are assuming that these volunteers indeed received no training. Again, I tend to doubt those things were passed out willy-nilly.

```
From -4619284573930981253
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4623dc39f68e3df
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 11:04:08 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!sdd.hp.com!
zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!psuvax1!rutgers!cbmvax!daveb
From: daveb@cbmvax.commodore.com (Dave Berezowski)
```

Newsgroups: rec.ham-radio
Subject: Re: The Black Hole Effect
Keywords: Life where the band is dead...
Message-ID: <11114@cbmvax.commodore.com>
Date: 26 Apr 90 18:04:08 GMT
References: <1990Apr25.100922.18002@lopez.UUCP>
Reply-To: daveb@cbmvax (Dave Berezowski)
Organization: Commodore, West Chester, PA
Lines: 15
Posted: Thu Apr 26 19:04:08 1990

When I used to live in Thunder Bay, Ontario, Canada, I used to get wierd skip/radio/etc conditions also. As a kid I would listen to the big 89 (890 AM) WLS Chicago very late at night on a transistor radio. In fact Thunder Bay used to get some of its T.V. reception from Marquette, Mich. I recall a program called 'Creature Features' that used to come on at 1 AM, the reception was always pot luck; sometimes you'd get a snowstorm on the screen, sometimes not.

BTW, the calls letters I used to use were VE3-SWC (I believe), which were the call letters of my high school. Try pointing your beam north west (yes, Thunder Bay IS north of you) some time, there are a lot of Hams back home. Best of luck to you!

Regards, David Berezowski

From -4544443369457483299
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5bd643e57b0a2597
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 11:23:00 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!know!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Police Radios, Why Them and Not Us?
Message-ID: <30500510@ux1.cso.uiuc.edu>
Date: 26 Apr 90 18:23:00 GMT
Lines: 22
Nf-ID: #R:<9004242305.AA12109@ucbvax.Berke:-40:ux1.cso.uiuc.edu:30500510:000:1054
Nf-From: ux1.cso.uiuc.edu!phil   Apr 26 13:23:00 1990
Posted: Thu Apr 26 19:23:00 1990

> >> Chase them down? Throw rocks as the car goes by? Also, "normal"
> >> citizens don't have a license to use a radar unit.
> >
> >They also are often seen using police radios, loaned to them by the
> >police departments they are working with.
> >
>

> I have a *real* problem with this. About six months ago, everyone was
> flaming everyone else (well, almost :-)) at the mere hint that one of us poor
> hams should *dare* venture onto a police frequency with one of our
> super-modified
> Skysocker HT-100 handhelds to report a real emergency. Now we're finding out
> that the local gendarmes are letting John Q. Public, with no training at all,
> use *their* radios. Sheesh! Well, I guess it shows where the cops' *real*
> priorities are.

I am sure they don't use the same frequency that the regular police use,
but rather they use an idle "special events" or "special duty" frequency.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 3848282512911072852
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4623dc39f68e3df
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 11:58:51 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!
sdd.hp.com!elroy.jpl.nasa.gov!peregrine!sceard!ncr-sd!ncrcae!usceast!mgv
From: mgv@usceast.UUCP (Marco Valtorta)
Newsgroups: rec.ham-radio
Subject: Re: The Black Hole Effect
Keywords: Life where the band is dead...
Message-ID: <3224@usceast.UUCP>
Date: 26 Apr 90 18:58:51 GMT
References: <1990Apr25.100922.18002@lopez.UUCP>
Organization: University of South Carolina, Columbia
Lines: 20
Posted: Thu Apr 26 19:58:51 1990

In article <1990Apr25.100922.18002@lopez.UUCP> flash@lopez.UUCP (Gary Bourgois)
writes:
>
>I am NORTH of all the Canadian Population Centers. This is the Upper
>
>Pertanent Details:
>
> Marquette is at 47 degrees North Lattitude.

This cannot be, by itself, an important factor.   Much of Europe is
north of 47 degrees. I think Bern, Switzerland, is at about 47 degrees.
Even Bolzano, in Northern Italy, must be very close to that.
I lived in Brussels for a while (north of 50 degrees) and never noticed
the kind of phenomena you describe.

Marco Valtorta   usenet: ...!ncrcae!usceast!mgv
Department of Computer Science   internet: mgv@cs.scarolina.edu
University of South Carolina   tel.: (1)(803)777-4641
Columbia, SC 29208   tlx: 805038 USC

U.S.A.   fax: (1)(803)777-3065
usenet from Europe: ...!mcvax!uunet!ncrlnk!ncrcae!usceast!mgv

From 3440938503581287615
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,58173765ed05365d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 12:35:22 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Outlaw CB
Message-ID: <NX39H1w161w@w8grt.fidonet.org>
Date: 26 Apr 90 19:35:22 GMT
Organization: QRV de W8GRT
Lines: 16
Posted: Thu Apr 26 20:35:22 1990

I don't know if this is a sign of the times or not....

In Toledo, Ohio, Marko Electronics has gone into bankruptcy. Marko was famous during the period of peak popularity of CB as the leading supplier of illegal amplifiers and the place to take your radios for out-of-band mods.

One school of thought is that the "outlaw" period in CB history is over. The other is that with the easy availability of general coverage modified ham gear in general and the Uniden/RS 10 meter radios in particular there is not enough market to sustain specialized "outlaw" shops.

What do you guys think?

Jim Grubs, W8GRT - aka FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From -8736137537349871054
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4623dc39f68e3df
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 12:40:13 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!cs.utexas.edu!helios!eemips!narayan
From: narayan@eemips.tamu.edu (Sriram Narayan)
Newsgroups: rec.ham-radio
Subject: Re: The Black Hole Effect
Keywords: Life where the band is dead...
Message-ID: <5093@helios.TAMU.EDU>
Date: 26 Apr 90 19:40:13 GMT
References: <1990Apr25.100922.18002@lopez.UUCP>
Sender: usenet@helios.TAMU.EDU
Organization: Texas A&M University, College Station

Lines: 19
Posted: Thu Apr 26 20:40:13 1990

In article <1990Apr25.100922.18002@lopez.UUCP> flash@lopez.UUCP (Gary Bourgois) writes:
>I live in Marquette Michigan, the land that time forgot. It is not the
>end of the world, but you can SEE it from here.

If you go to Michigan Tech Univ, which is 100 miles west of Marquette, you can get a postcard in any book store with a road & a signpost which says something to the effect: "Houghton - 5 miles, "End of the world- 15 miles"

Seriously, the enormous amount of copper and iron in the "Copper Country" would well be the reason for this weird behaviour. I used to receive AM stations as far south as Louisiana and as far east as Boston regularly. Also I didn't notice this effect you talked about on any of the Ham bands. Of course I wasn't that much into the hobby then either.

`Houghton- Av snowfall 300", snow on the ground 6-7 months.'
--
Sriram Narayan   Texas A&M University, College Station, TX.
INTERNET: narayan@eemips.tamu.edu   aTm
#1 Alain Prost, FERRARI 641 V-12

From 4971446119129645398
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,89a65985a0b9ae92
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 12:45:57 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: INFO-HAMS Digest V90 #348
Message-ID: <24316@usc.edu>
Date: 25 Apr 90 20:27:01 GMT
References: <9004250212.AA23761@ucbvax.Berkeley.EDU>
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 19
Posted: Wed Apr 25 21:27:01 1990

In article <9004250212.AA23761@ucbvax.Berkeley.EDU> ARYEH@ILJCT.BITNET writes:
% I am wondering if any of the microwave fans out in netland can provide
% me with info, references, etc. on any use of the spectrum 100 GHz and
% up. Do such frequencies require methods that are very different from
% 24 GHz systems?
% --Aryeh Weiss (4X/KA1PB)

A better person to answer this would be Tom Hill wa3rmx, because he's already got working equipment on 47 GHz. However, I don't think the techniques and methods necessary between 24 GHz and 240 GHz are a whole bunch different than between 2.3 GHz and 24 GHz. Parts are a

whole lot more difficult to find, and they are of course a whole lot
smaller.

If you're thinking about building something in that frequency range, I
would probably recommend that you attempt 47 GHz or 76 GHz so that you
will be able to procure parts. Good Luck. 73

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From 1220140395495748573
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a23d691c1fbb3031
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 12:55:17 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: Long distance communication
Message-ID: <24317@usc.edu>
Date: 25 Apr 90 20:32:35 GMT
References: <24252.262e1831@vaxb.acs.unt.edu>
<9004231749.AA00838@mbunix.mitre.org>
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 10
Posted: Wed Apr 25 21:32:35 1990

In article <9004231749.AA00838@mbunix.mitre.org> ptb@MBUNIX.MITRE.ORG writes:
>If you are in Texas and your girlfriend is in New York, it would have
>to be an HF system of some kind (Distances are too long for VHF).

This is not true! Distances greater than this have been worked on all
bands up to and including 23 cm. I don't know the current world
distance records above 23 cm, so distances greater than this may have
been accomplished on the higher bands also.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From 5651450700890018127
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ec0112592184d3f4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 13:29:38 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!tekred!danbl
From: danbl@tekred.CNA.TEK.COM (Dan Blakely)
Newsgroups: rec.ham-radio
Subject: Info/Identification on Technical Material Corp. Rcvr.
Message-ID: <5512@tekred.CNA.TEK.COM>
Date: 26 Apr 90 20:29:38 GMT
Reply-To: danbl@tekred.CNA.TEK.COM (Dan Blakely)
Organization: Tektronix, Inc., Redmond, OR.

Lines: 13
Posted: Thu Apr 26 21:29:38 1990

Wanted:-Identification or information on a

Technical Material Corporation Receiver

This was a rack mount (3 rack units(5.25inch)) receiver built for the Navy or Air Force (US). It appears to have been built in the late 50's early 60's era due to the exclusive use of 7/9 pin tubes (no transistors or even germanium diodes). It accepted four plug-in modules to cover the freq range of 2-30mHz. I believe a special adaptor could be attached as a companion for the reception of SSB.

Many thanks.   Daniel Blakley

From -4096396908614937778
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7353301113ef3b4a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 14:26:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!think!mintaka!mit-eddie!bu.edu!mirror!otto!jimi!unsvax!storkus
From: storkus@nevada.edu (Mike Storke (N7MSD))
Newsgroups: rec.ham-radio
Subject: Re: The Black Hole Effect (additional data)
Keywords: More about the black hole
Message-ID: <1602@unsvax.NEVADA.EDU>
Date: 26 Apr 90 21:26:33 GMT
References: <1990Apr26.063653.1859@lopez.UUCP>
Sender: news@unsvax.NEVADA.EDU
Organization: Hackers, Crackers, and Hams around the world
Lines: 6
Posted: Thu Apr 26 22:26:33 1990

Have you tried to talk to someone in northern Alaska, like Anchorage or Fairbanks? How about extreme-northern Europe like Norway? Maybe if you can't get in touch with a Canadian in the Northern Territories, you can reach these people. There are alot of northern Alaska amateurs on these days, IMHO. Try them. 73's, Mike

From -5294340672488464834
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,701b688dc7789017
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 16:08:00 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)

Newsgroups: rec.ham-radio
Subject: Re: Need unobvious 2 meter antenna...
Message-ID: <7880142@hpfcdc.HP.COM>
Date: 26 Apr 90 23:08:00 GMT
References: <2870@ultb.isc.rit.edu>
Organization: HP Ft. Collins, Co.
Lines: 9
Posted: Fri Apr 27 00:08:00 1990

Try a J-pole made of twinlead. It's 5' tall, and virtuall disappears if
you use the clear variety. Send e-mail for more info.

If you can hide the matching network, other varieties of end-fed
half-wave antennas work, too.

Perry Scott
KF0CA
...hplabs!hpfcls!perry-s

From -9112342660691521485
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,46e7659296d071a9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 18:42:44 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!ucsd!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Autopatches in Maryland
Message-ID: <1250148@hpnmdla.HP.COM>
Date: 27 Apr 90 01:42:44 GMT
References: <254@usna.NAVY.MIL>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 16
Posted: Fri Apr 27 02:42:44 1990

>In article <30000023@uxh.cso.uiuc.edu> dwsmith@uxh.cso.uiuc.edu writes:
>>Seems to me that I recall that the use of an autopatch to avoid local
>>phone charges (in addition to being just plain tacky) is against phone
>>company tariffs or FCC regs.

>I've been hearing this argument for years, and nobody has ever been able
>to substantiate it. While I suspect that the phone company would object,
>it would be no more illegal than using an HF phone patch for the same
>thing.

The only FCC reg this might violate is the one on "Good Amateur Practice".
The fear is that if we continually abuse autopatch privileges to avoid
telephone toll charges, this might lead to FCC instituting legal restrictions
(or prohibition) of autopatch use.

Al N1AL

From -1811458289865382560
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6fb41e1583595989,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 18:55:45 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: RF Hazards at 23 cm??
Message-ID: <1250149@hpnmdla.HP.COM>
Date: 27 Apr 90 01:55:45 GMT
References: <7137@ncar.ucar.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 15
Posted: Fri Apr 27 02:55:45 1990

Regarding antenna gain/aperture at 23 cm.

For a given antenna type (dipole, say), the aperture is proportional to the square of the wavelength. If you have 100 dB of path loss between two 144 MHz quarter-wave ground planes, you will have 120 dB of path loss between two 1440 MHz ground planes the same distance apart.

On the other hand, you probably wouldn't use a ground plane at 1440 MHz. If you built a dish antenna the same approximate size as the 2 meter ground plane, you might have 20 dB LESS path loss (80 dB total).

If you compare antennas of the same TYPE, lower frequency is better.
If you compare antennas of the same SIZE, higher frequency is better.

Al N1AL

From -8971202873887167879
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2015bdad6ce54f2f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,2015bdad6ce54f2f
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-04-26 19:34:41 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!apple!portal!cup.portal.com!HAVANAMOON
From: HAVANAMOON@cup.portal.com (Havana - Moon)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Trading vs. selling
Message-ID: <29355@cup.portal.com>
Date: 27 Apr 90 02:34:41 GMT
References: <3240@calvin.cs.mcgill.ca>
Organization: The Portal System (TM)
Lines: 8

```
Xref: gmdzi rec.radio.shortwave:1090 rec.ham-radio:11102
Posted: Fri Apr 27 03:34:41 1990

Radios/Selling vs. Trading

It has been my experience that you GAIN by selling outright rather
than trading.  The dealer --as you well understand-- makes a profit
when your trade is resold.  I was once offered $150 for the FRG-7
on a trade.  In just a few days I was able to sell the FRG for $250.
73s
"HM"


From -1435014696700902655
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,59ecc25705098014,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 19:40:58 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!ucsd!ucbvax!
VM.TCS.TULANE.EDU!PL6AAIU
From: PL6AAIU@VM.TCS.TULANE.EDU (Andrew Nulman)
Newsgroups: rec.ham-radio
Subject: Re: INFO-HAMS Digest V90 #435
Message-ID: <9004280052.AA27940@ucbvax.Berkeley.EDU>
Date: 27 Apr 90 02:40:58 GMT
References: <INFO-HAMS-REQUEST@WSMR-SIMTEL20.ARMY.MIL>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Fri Apr 27 03:40:58 1990

I am an active Mac enthusiast who wants to get into the telecommunications
aspect of Ham.  Can someone recommend a source for info on using
Macs w/ ham radios?  I'd like to know what kind of hardware and software
I need.
   Is there a book which discusses ham & Mac usage?
Also, of the mail-order companies, which one has the best support for
Macintosh interfaces and software?
                                  Thanks,
                                            Andy


From 3464676626556375985
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7353301113ef3b4a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 20:40:53 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!netcom!mcmahan
From: mcmahan@netcom.UUCP (Dave Mc Mahan)
Newsgroups: rec.ham-radio
Subject: Re: The Black Hole Effect (additional data)
Keywords: More about the black hole
Message-ID: <11315@netcom.UUCP>
```

Date: 27 Apr 90 03:40:53 GMT
References: <1990Apr26.063653.1859@lopez.UUCP>
Organization: NetCom- The Bay Area's Public Access Unix System
Lines: 30
Posted: Fri Apr 27 04:40:53 1990

In article <1990Apr26.063653.1859@lopez.UUCP> flash@lopez.UUCP (Gary Bourgois) writes:
>
>Any other Late Night 75m ops to compare notes with???????
>
>Anyone here from, say Finland? I have worked some really great over the
>pole stuff during these things down in the DX window....
>

Well, does Houghton/Hancock count? (For those who don't know The towns of Houghton and Hancock are about 120 miles west of Marquette). I went to school at Mich. Tech. Univ. until 1983. You are right about some of the wierd local phenomena that occurs. It was the only place where I saw Northern Lights with distinct colors. Canadian TV from across the lake is crystal clear (with a roof antenna), but the Marquette repeater 30 miles away was nothing but snow. Wisconsin TV stations about the same distance as Canada and across the lake but in another direction where usually hopeless, but would sometimes come in crystal clear. I had a roommate who like to listen to late night AM broadcasts on a pocket radio. He used to get great reception of Boston (WXYZ, I believe) and some New York City stations, as well as the occasional Bermuda or Texas station. All from a generic pocket radio.

By the way, why the reference to Finland? Don't you speak the language by now? I thought that Marquette was the only WWUP-TV station was the only television that broadcasts finish language shows on a weekly basis. I have a net.pen pal that lives in Finland, if you want I can send you his net.address.

>== Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash) GWN UPLink ==

-dave

From -3554457435098332897
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7cf3d3b060faf83
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 21:17:23 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!blackbird.afit.af.mil!tkelso
From: tkelso@blackbird.afit.af.mil (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins: Space Shuttle
Message-ID: <9004280053.AA27995@ucbvax.Berkeley.EDU>
Date: 27 Apr 90 04:17:23 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet

Lines: 17
Posted: Fri Apr 27 05:17:23 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current elements for the current shuttle mission are provided below. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
STS 31
1 20579U 90037  A 90116.05462219  .00000000  00000-0  00000-0 0 00023
2 20579 028.4813 221.1360 0002583 316.9075 043.1762 14.84048541000232
HST
1 20580U 90 37  B 90115.92007935 -.00019413  00000-0 -22999-2 0   416
2 20580  28.4631 222.0038 0005784 272.7940  87.2151 14.84112255   202
--
Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology
```

From 2652139344937299688
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4623dc39f68e3df
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-26 22:24:12 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!texbell!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: The Black Hole Effect
Summary: Iron & Aurora Country
Keywords: Life where the band is dead...
Message-ID: <133@bongo.UUCP>
Date: 27 Apr 90 05:24:12 GMT
References: <1990Apr25.100922.18002@lopez.UUCP>
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 51
Posted: Fri Apr 27 06:24:12 1990

In article <1990Apr25.100922.18002@lopez.UUCP>, flash@lopez.UUCP (Gary Bourgois) writes:
> I live in Marquette Michigan, the land that time forgot. It is not the
> end of the world, but you can SEE it from here.
>
>
> I would like to tell you about the BLACK HOLE EFFECT, a phrase I coined
> about 20 years ago when I was a very new ham, and a seasoned SWL. Now I
> am an old timer at both hobbies, have solved a lot of mysteries along
> the way, and would like to share my ideas on the Black Hole Effect with
> others on the net, and see if anyone else experiences it, or if I am the
> Lone Ranger....
>

> Pertinent Details:
>
> Marquette is at 47 degrees North Latitude. The city is on the shore of Lake Superior, the DEEPEST Largest coldest fresh water lake on this fair planet.
>
> Marquette is on the Mesabbe Iron Range, the LARGEST single deposit of Iron Ore on this fair planet.
>
> Marquette is a place where WEIRD things happen with Radio Signals.

Well first of all 47 Degrees is not all that far North. It is about the same latitude as Nantes France. It is south of London, Berlin, Copenhagen, Warsaw, Den Hague (That's enough dreary capitals -Ed). But the question I suppose should really be, how far North is it from the "Magnetic Equator." I dimly recall that a stations position relative to the magnetic equator is important vis-a-vis Aurora and HF propagation.

But first, lets assume that Marquette is in Aurora Country and is also sitting on top of a fair amount of iron ore. There is a similar location in Sweden. The world's "largest city" (in square kilometers of desolate Tundra) is Kiruna. It is also an enormous iron mine. Hams there should experience the same phenomenon as Gary.

I remember in the seventies hearing a second hand story that DX was pretty bad off the Southern Tip of Sweden (Ystad, Trelleborg) because there were massive Iron deposits just offshore. The story involved not getting out and not hearing too well. Southern Sweden does get a few Auroras also.

No good answers I'm afraid, but certainly some points of reference and comparison. All we need now is a report from Kiruna.

Note: Marquette is about 47 degs North, Helsinki - 60 degs North and Kiruna - 68 degs North.
--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From 7130861789220535094
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a058118e5cd2347e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-27 01:24:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!UWPLATT.EDU!390866112
From: 390866112@UWPLATT.EDU ("Curtis P. Sardeson")
Newsgroups: rec.ham-radio
Subject: REALISTIC PRO-2005
Message-ID: <A309B08BAD7F807A63@uwplatt.edu>
Date: 27 Apr 90 08:24:00 GMT

Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Fri Apr 27 09:24:00 1990

I've found endless articles on "how-to" modify Radio Shack Realistic PRO-2004's to cover the entire 800 MHz band, but not any articles on modifying the PRO-2005?

Any info greatly appreciated.

73's

Curtis P. Sardeson
E-Mail: 390866112@uwplatt.BITNET
E-Mail: 390866112@uwplatt.edu

From 766562161245675561
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2302b2273a6fc067,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-27 01:56:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!minster.york.ac.UK!fisher
From: fisher@minster.york.ac.UK
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <swordfish.641206563@minster.york.ac.uk>
Date: 27 Apr 90 08:56:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 29
Posted: Fri Apr 27 09:56:00 1990

Organization: University of York, Dept. of Computer Science
Subject: PRO-57

In a recent article, fluke!limey (Paul Limey KW7Y) asked:

> Does anyone have mods to the Realistic PRO-57 to fill
> in the missing frequencies? Does anyone have a schematic for
> same?

This is perhaps not exactly what Paul Limey was asking for, but:

I have successfully modified a PRO-57 for computer control. The modification entails the addition of one chip (a multiplexer), a few resistors, and a diode, all of which fit on a small piece of Veroboard inside the box. The receiver is connected, via a 9-way plug & socket & ribbon cable, to a separate interface box, from where an RS-232 link goes to the controlling computer (a Sun 3/50 workstation). The mod. is designed so that the PRO-57 can be used as normal (i.e. without the computer) when the interface box is not plugged in.

Details on request.

Tony Fisher
Dept. of Computer Science, The University of York, York YO1 5DD, U.K.
Tel. +44 904 432738 or 432722
Janet: fisher@uk.ac.york.minster
Internet: fisher%minster.york.ac.uk@nsfnet-relay.ac.uk
UUCP: fisher@minster.UUCP (..!uunet!mcsun!reading!minster!fisher)

From -3708334668781354991
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,801fe1a7956acd22
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-27 02:51:52 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: pulse on X-band
Message-ID: <30500509@ux1.cso.uiuc.edu>
Date: 26 Apr 90 18:14:00 GMT
References: <1250147@hpnmdla.HP.COM>
Lines: 48
Nf-ID: #R:hpnmdla.HP.COM:1250147:ux1.cso.uiuc.edu:30500509:000:2413
Nf-From: ux1.cso.uiuc.edu!phil   Apr 26 13:14:00 1990
Posted: Thu Apr 26 19:14:00 1990

> It is a possibility to build a receiver that only listens when a pulse
> is supposed to occur, but that wasn't necessarily what I was thinking
> about. The advantage of using the high peak power of a pulse is that it
> would be EASILY DETECTABLE even with high path loss. This means that
> (in theory) you could set up a data link much like CW is used with the
> human ear: the presence of a pulse has one meaning, and the absence of a
> pulse has another. There is probably even a better way to do it:
> consider what you could do if you were to phase modulate the pulses. In
> other words, control the time delay or latency between pulses. A short
> time delay could mean a 0 bit, and a long delay could mean a 1 bit.

Why is a pulse easily detectable? If you are listening via a narrow time window IN PROPER SYNC then you will get a S/N advantage. Once syou start defining addition pulse times to listen on, or widen the period you have to listen, you lose S/N advantage.

You have to have a wideband system to allow receiving the full peak of the pulse since its power is distributed in the frequency domain. Of course if you know the period you can selectively listen to parts of that spectrum where the signal would be found (a comb filter). Then again, you don't need pulse to apply that technique.

> No, I don't have a 10 GHz pulse source, but they are available. Now if
> we could only use them legally ...

No one has petitioned the FCC yet.

> Most people don't. Certainly, I'm not suggesting that real time
> communications like voice be sent this way. I'm merely proposing that
> this might be a good use for part of our microwave spectrum. The packet
> guys are in great need of high-speed inter-city links (among other
> things).

I don't see where pulse has any great advantage over CW emission types with respect to gaing S/N advantage.

> I've done better than 40 miles over non-line-of-sight paths with only
> 10 mW and CRUDDY WIDEBAND FM! This was with 2 foot dish antennas on
> both ends of the path at X-band. Still, I'm not pooh-poohing their
> efforts; I'm just trying to show that even with simple cheap equipment
> you can do a lot more than most people expect in the SHF and EHF
> spectrum.

This is good to know.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 502504118587874128
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8cbce4c46a222954,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-27 02:52:34 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: call data online
Message-ID: <30500511@ux1.cso.uiuc.edu>
Date: 26 Apr 90 20:31:00 GMT
Lines: 10
Nf-ID: #N:ux1.cso.uiuc.edu:30500511:000:546
Nf-From: ux1.cso.uiuc.edu!phil   Apr 26 15:31:00 1990
Posted: Thu Apr 26 21:31:00 1990

For a limited time, the call sign data base files are online for anonymous FTP access. The host is "vmd.cso.uiuc.edu" (128.174.5.98) and the directory is "phil.514". You MUST use binary/image mode to access the files. They are compressed with UNIX compress. There are 260 files, one for each possible combination of call sign number with letter following it and are named by that method.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -1997389180289028167
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17f54afef402767f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-27 03:01:52 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!uwm.edu!bionet!hayes!usenet
From: ftpam1@acad3.fai.alaska.edu
Newsgroups: rec.ham-radio
Subject: Re: Subscription to RF Design
Message-ID: <1990Apr27.004421.4968@hayes.fai.alaska.edu>
Date: 26 Apr 90 23:32:36 GMT
Sender: usenet@hayes.fai.alaska.edu (news 'R' us)
Organization: University of Alaska Fairbanks
Lines: 37
Posted: Fri Apr 27 00:32:36 1990

In article <43176@iuvax.cs.indiana.edu>, commgrp@silver.ucs.indiana.edu (BACS Data Communications Group) writes...
>
>>Would someone send me the subscription address, phone number
>>and rate for "RF Design"?
>>--
>>Jim Stewart, VE3SRJ
>
>_RF Design_ is one of those trade journals which is FREE (i.e., paid
>for by advertizers) if you give them a company address and tell them
>you are an engineer who buys items listed on the subscription form.
>In the context of such publications, it's very good-- It has real
>aritcles among the ads disguised as such. The editor is a ham!
>The address for subscriptions is:
>
>   RF Design
>   Cardiff Publishing Company
>   P.O. Box 6275
>   Duluth, MN 55806-9954
>--
>
>Frank   W9MKV   reid@ucs.indiana.edu

I have been an RF Design subscriber since high school. For many years I listed my occupation as student but got it free anyway. Another freebie is Microwave Journal (685 Canton St., Norwood, MA 02062) but it will only depress you when you see how far from the state of the art that amateur microwave is. Commercial microwave, at least up to 30 GHz or so is pretty much by the numbers: calculate link budget, buy modules, hook them together and you're done.

There are literally hundreds of these free trade journals out there. I personally receive at least a dozen in the electronics field. Most (all?) have "bingo" cards for obtaining free information from manufacturers.

Philip Munts N7AHL
NRA Extremist, etc.
University of Alaska, Fairbanks

From -5022043838815246323
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7195e2da3f37a2a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-27 04:01:05 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!cs.utexas.edu!sdd.hp.com!ucsd!helios.ee.lbl.gov!pasteur!ucbvax!pro-sat.cts.com!wen
From: wen@pro-sat.cts.com (System Administrator)
Newsgroups: rec.ham-radio
Subject: PRO-2005 Scanner Coverage
Message-ID: <9004260650.AA02215@trout.nosc.mil>
Date: 25 Apr 91 03:55:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Thu Apr 25 04:55:08 1991
X-Local-Date: 24 Apr 91 20:55:08 PDT

If anyone knows the mods for the PRO-2005 scanner or the PRO-34 for
800 Mhz coverage, please send info to crash!pro-sat!wen or to
crash!pro-sat.cts.com!wen if you do not have routing to crash.

Do either of these work very well mobile?

W5FL

From 6622074766442425793
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,801fe1a7956acd22
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-27 05:06:30 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: pulse on X-band
Message-ID: <24354@usc.edu>
Date: 27 Apr 90 07:12:04 GMT
References: <1250147@hpnmdla.HP.COM> <30500509@ux1.cso.uiuc.edu>
Sender: news@usc.edu

Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 14
Posted: Fri Apr 27 08:12:04 1990

In article <30500509@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>Why is a pulse easily detectable?

Because it has such a high peak power.

>Once syou start defining addition pulse times to listen on, or widen
>the period you have to listen, you lose S/N advantage.

I disagree. Since the pulse is of such high power, a much greater path loss can be overcome. Listen 100% of the time, and the strong pulses that are much greater than the background noise level will be easily detectable.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

---

From -6148155875727676862
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,66f3e018e1bafff0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-27 05:38:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: Working Texas to NYC - what band?
Message-ID: <9004271238.AA07424@cmr.ncsl.nist.gov>
Date: 27 Apr 90 12:38:02 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
     formerly National Bureau of Standards
Lines: 26
Posted: Fri Apr 27 13:38:02 1990

In article <9004231749.AA00838@mbunix.mitre.org> ptb@MBUNIX.MITRE.ORG writes:
>If you are in Texas and your girlfriend is in New York, it would have
>to be an HF system of some kind (Distances are too long for VHF).
Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh
then writes:
  This is not true! Distances greater than this have been worked on all bands up to and including 23 cm. I don't know the current world distance records above 23 cm, so distances greater than this may have been accomplished on the higher bands also.

Don't be fooled. There is a LOT of difference between setting a distance record and having fairly predictable and reliable communication. With a kilowatt, and BIG ham antennas, you might expect 600 km or a bit more on VHF bands by tropo scatter. On six meters, people consistently work 2000 km by ionospheric scatter, again with a kilowatt and big antennas. But the distance cut-off is pretty sharp, since it is a lower-E-layer phenomenon and both ends of the link must be able to see a common point in the E layer. Iono scatter works better on ten, but hardly anyone uses it since other modes are enough to keep them interested.

No, you'll have to use the HF bands, and even ten is marginal from here (Washington DC) to Texas on many days.

73, Bob W3OTC

From 2103887771806369098
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49fed5c440c795d9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-27 05:46:04 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!mintaka!ogicse!ucsd!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Re: TV QRM to hams
Message-ID: <9004271246.AA07435@cmr.ncsl.nist.gov>
Date: 27 Apr 90 12:46:04 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
     formerly National Bureau of Standards
Lines: 19
Posted: Fri Apr 27 13:46:04 1990

In article <1598@apctrc.UUCP> zslf0a@apctrc.trc.amoco.com (Steven L. Farmer) writes:
>For the past year, I've been having problems with QRM from a tv sweep
>oscillator. ...
 and ogicse!intelhf!foobar!jim@ucsd.edu (Jim Garver) replies:
>After some research and experimentation, I believe the offending element
>may be the cathode or grid leads to the boob tube. They are often more
>than a foot long and completely unshielded. ....
>I don't think its the HV lead as the signal strength changes greatly with
>different scenes......

I attribute the change of interference level with picture brightness to a change in the BEAM CURRENT of the CRT. Thus the HV lead may well radiate, though the picture-tube-cone capacitance might help reduce this a lot.
I certainly hear my computer a lot louder when the screen is full of text rather than just a simple C> in the upper left corner.

Just a thought.
73, Bob W3OTC

From -5099731374672990730

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7353301113ef3b4a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-27 05:50:11 PST
Path: gmdzi!unido!mcsun!sunic!tut!kannel!huopio
From: huopio@kannel.lut.fi (Kauto Huopio)
Newsgroups: rec.ham-radio
Subject: Re: The Black Hole Effect (additional data)
Message-ID: <HUOPIO.90Apr27103839@kannel.lut.fi>
Date: 27 Apr 90 14:38:39 GMT
References: <1990Apr26.063653.1859@lopez.UUCP> <11315@netcom.UUCP>
Sender: huopio@kannel.lut.fi
Organization: Lappeenranta University of Technology, Finland
Lines: 9
Posted: Fri Apr 27 15:38:39 1990
In-reply-to: mcmahan@netcom.UUCP's message of 27 Apr 90 03:40:53 GMT
Disclaimer: Opinions expressed below are writers own.
Peruutus: Mielipiteet ovat omiani.

We are already reading this.. I'll try to get some hams interested in this.. The effect itself sounds VERY weird!

--Kauto
--

```
****************** Kauto Huopio (huopio@kannel.lut.fi) **********************
*US Mail: Kauto Huopio, Punkkerikatu 1 A 10, SF-53850 Lappeenranta, Finland *
*Project: Learn some GNU Emacs first.. :-)                                  *
*****************************************************************************
```

From -2233296465236300344
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2302b2273a6fc067
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-27 06:10:13 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!S51.Prime.COM!BUSH
From: BUSH@S51.Prime.COM
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9004280704.AA19778@ucbvax.Berkeley.EDU>
Date: 27 Apr 90 13:10:13 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 32
Posted: Fri Apr 27 14:10:13 1990

Mininec2 does indeed live on WSMR-SIMTEL20. You can find it in:

```
    PD1:<MSDOS.HAMRADIO>MININEC3.ARC
```

It is 158,720 bytes long. However! The request was for a source of NEC, which is the grandfather as it were of mininec.

Mininec is, to say the least, user hostile. It is also written in BASIC. NEC, was written in FORTRAN.

If you want mininec3, you might try anonymous FTP. I have never had any luck--either loose the link, or am told "too many annonymous users" and get blown away. So, I use listserv(e). To make good use of this, you need to be able to uudecode files. To get mininec3, I would type:

```
            Mail listserv@vm1.nodak.edu (there are other servers around)
SUBJECT:    (Leave Blank)
(Text Here) /pdget mail pd1:<msdos.hamradio>mininec3.arc uuencode
```

This gets the file mininec3.arc sent to me as pseudo ASCCI email in about 40k chunks. To get a useful file, I needed to combine all of these mail chunks--eight or nine of them, as I recall, remove the mail header and trailers--creating a bodacious mininec3.uue file--then move this to my PC. I then run the uudecode program--mininec3.uue goes in, mininec3.arc comes out. Run your favorite unarcing program to get the run files.

This works fine for those of us using ms-dos machines. Anyone out there want to give access directions for other (non-MS-DOS) partitions on SIMTEL20?

de KC1PR
BUSH@S51.PRIME.COM

From 243603688652280262
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e4623dc39f68e3df
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-27 08:38:03 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!helios!eemips!narayan
From: narayan@eemips.tamu.edu (Sriram Narayan)
Newsgroups: rec.ham-radio
Subject: Re: The Black Hole Effect
Keywords: Life where the band is dead...
Message-ID: <5101@helios.TAMU.EDU>
Date: 27 Apr 90 15:38:03 GMT
References: <1990Apr25.100922.18002@lopez.UUCP>
Sender: usenet@helios.TAMU.EDU
Organization: Texas A&M University, College Station
Lines: 29
Posted: Fri Apr 27 16:38:03 1990

In article <1990Apr25.100922.18002@lopez.UUCP> flash@lopez.UUCP (Gary Bourgois) writes:

>I live in Marquette Michigan, the land that time forgot. It is not the
>end of the world, but you can SEE it from here.
>

Well it is nice to hear from someone up there. I was in Houghton which is a few 'minutes' in latitude higher than Marquette. The joke around town is a postcard with a picture of a snow covered road and a signpost that reads something like "Houghton 5 miles, End of the World (Earth) 12 miles".

However, with regard to the original question, I did not notice any such problems with reception in the Keeweenaw Peninsula of the Copper Country although there were substantial iron and copper ore deposits in that region. The AM bands were quite decent with MW stations from Louisana and Massachussetts coming in quite well. The HAM bands were also quite normal compared to what I get here in Texas now.

"Houghton 250" snow average/year and 6-7 months of snow on the ground!"

This is my second attempt at posting this, excuse me if you saw this before.

--
Sriram Narayan   Texas A&M University, College Station, TX.
INTERNET: narayan@eemips.tamu.edu   aTm
#1 Alain Prost, FERRARI 641 V-12

From -2357641215490073064
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,801fe1a7956acd22
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-27 08:59:21 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: pulse on X-band
Message-ID: <1250150@hpnmdla.HP.COM>
Date: 27 Apr 90 15:59:21 GMT
References: <24255@usc.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 9
Posted: Fri Apr 27 16:59:21 1990

I believe pulse has no inherent signal-to-noise advantage over narrowband techniques. Yes, the peak power is much higher, but so is the bandwidth. Since noise is proportional to bandwidth, it comes out a wash.

The advantage of pulse at microwave frequencies is that frequency stability is much less important than with narrowband modes. Stability is harder to achieve the higher you go in frequency.

Al N1AL

From 2606735717554381662
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2383db3e0dcfb08a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-27 09:13:53 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Morse Coding standards (non-ham question)
Message-ID: <1250152@hpnmdla.HP.COM>
Date: 27 Apr 90 16:13:53 GMT
References: <9004242215.AA02030@ti.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 11
Posted: Fri Apr 27 17:13:53 1990

Once again, Morse code spacing:

Dit : 1 unit
Dah : 3 units
Space between dit's/dah's : 3 units
Space between words : 7 units

Note that the word "PARIS", including the 7-unit space at the end, is exactly 1 standard "word" long.

Al N1AL

From 3620217308029180867
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4751f3601dbb556a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,4751f3601dbb556a,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-04-27 09:38:43 PST
Path: gmdzi!unido!mcsun!uunet!microsoft!joehol
From: joehol@microsoft.UUCP (Joseph HOLMAN)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: SAREX STS-35 space shuttle
Keywords: packet radio
Message-ID: <54307@microsoft.UUCP>
Date: 27 Apr 90 16:38:43 GMT
Organization: Microsoft Corp., Redmond WA
Lines: 19
Xref: gmdzi rec.ham-radio:11116 rec.ham-radio.packet:2153
Posted: Fri Apr 27 17:38:43 1990

i never got any direct replies, so i'll try again...

is any body out there going to have a way for use
people up in Seattle (latitude 47 deg.) to connect
to the SAREX mission ?

i've heard rumors about people having KA-NODEs, but
i haven't heard from the horses mouth yet...

anybody have any names or callsigns of people doing/planning

this ????

joe holman, ka7ldn
uw-beaver!microsoft!joehol
joehol@microsoft.uucp
206-882-8921 work

From 7917662904652260143
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8695f6777a23d59f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-27 11:19:42 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!zaphod.mps.ohio-state.edu!
tut.cis.ohio-state.edu!rutgers!mcnc!rti!xyzzy!aquila!harrism
From: harrism@aquila.rtp.dg.com (Mike Harris)
Newsgroups: rec.ham-radio
Subject: Re: Wanted: NEC
Message-ID: <764@xyzzy.UUCP>
Date: 27 Apr 90 18:19:42 GMT
References: <30500508@ux1.cso.uiuc.edu> <539@xyzzy.UUCP>
Sender: usenet@xyzzy.UUCP
Reply-To: harrism@dg-rtp.dg.com
Organization: Data General Corp., Research Triangle Park, NC
Lines: 7
Posted: Fri Apr 27 19:19:42 1990

In article <30500508@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
> The later one implies that mininec3 might also be on wsmr-simtel20.army.mil

mininec3 is on simtel20.

Mike Harris - KM4UL   harrism@dg-rtp.dg.com
Data General Corporation   {world}!mcnc!rti!dg-rtp!harrism
Research Triangle Park, NC

From 5709453292593137656
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b215e671cf2a16fa
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-27 11:53:35 PST
Path: gmdzi!unido!mcsun!uunet!cadnetix.COM!cadnetix!rusty

From: rusty@cadnetix.COM (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: Code training program...
Message-ID: <12200@cadnetix.COM>
Date: 27 Apr 90 18:53:35 GMT
References: <5A0416133A080312-MTABWIDENER*DXANDY@widener>
<1990Apr24.172123.2976@world.std.com>
Sender: news@cadnetix.COM
Reply-To: rusty@cadnetix.COM (Rusty Carruth)
Organization: Cadnetix Corp., Boulder, CO
Lines: 26
Posted: Fri Apr 27 19:53:35 1990

In article <1990Apr24.172123.2976@world.std.com> dfickes@world.std.com (David Fickes) writes:

>
>Does anyone have a code training program for an IBM-PC running
>MS/LOSS ?
>

Time for me to make my semi-regular announcement :-)

Anyone needing something like the above, I've got about 3 different versions of morse code programs. (The list is at home, so I don't know exactly which ones they are, sorry)

In any case, I'll glady copy the ones I can legally send onto a disk, if you will send me the disk, return postage, and a return address label.
Oh, yes, I'll mail it back to you, too :-)

I can write 1.2 meg, 1.4 meg, 720k, and 360k disks. Please send PREFORMATTED disks.

Hope this helps!

```
---Join the usenet un-net, 28.410 and/or 28.390(+-) 1700Z to 1900Z saturdays!
Rusty Carruth.                  Radio: N7IKQ                 ^^ or later :-)
DOMAIN: rusty@cadnetix.com      UUCP:{uunet,boulder}!cadnetix!rusty
home: POB. 461, Lafayette CO 80026
```

From 7071621889365908912
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2383db3e0dcfb08a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-27 12:58:24 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!mintaka!yale!cs.utexas.edu!usc!ucla-cs!eel!cccph
From: cccph@eel.cs.ucla.edu (Charles Hobbs)
Newsgroups: rec.ham-radio
Subject: Re: Morse Coding standards (non-ham question)
Message-ID: <34758@shemp.CS.UCLA.EDU>

Date: 27 Apr 90 19:58:24 GMT
References: <9004242215.AA02030@ti.com>
Sender: news@CS.UCLA.EDU
Reply-To: cccph@eel.cs.ucla.edu (Charles Hobbs)
Organization: UCLA Computer Science Department
Lines: 19
Posted: Fri Apr 27 20:58:24 1990

In article <9004242215.AA02030@ti.com> dube@cpdvax.csc.ti.com (DUBE TODD) writes:
>
> (stuff deleted)
>
>I think the best senders are those with a music inclination. They seem to
>be able to carry the old rhythm over to the brass. Some of them get positively
>lyrical with their sending; they're a pleasure to QSO with.
>

In years past (maybe in the future, too, I hope) I played keyboard
instruments (piano, organ, synthesizer) .... now, I sometimes
notice myself tapping my foot when I send and receive code!!!!

>73,
>Dube Todd   N5PDK

Charles P. Hobbs, N6YMK @ K6VE....
Internet: cccph.eel.cs.ucla.edu   Plink: oar001   Genie: C.HOBBS

From 658015756177200255
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6fb41e1583595989
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-27 14:08:36 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!sdd.hp.com!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: RF Hazards at 23 cm??
Message-ID: <1250153@hpnmdla.HP.COM>
Date: 27 Apr 90 21:08:36 GMT
References: <7137@ncar.ucar.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 137
Posted: Fri Apr 27 22:08:36 1990

Kim writes:
>
>   Now, my second question concerns antenna efficiency. A while back there
> was a truly excellent technical discourse about antenna aperture and signal gain
> in the context of antenna stacking. Another member states that antennas get
> about 20 dB less efficient at 23 cm vs. 2 m due to the decreased aperture.
> Yes, well... *Someone* posted a really neat treatise that mentioned this very

> thing and said something like "at first glance it appears that antennas at
> smaller wavelengths are much less efficient and receive less signal, but because
> of <blank> it all comes out in the wash." Could whoever said that say it again?
> I remember that I was impressed with the elegance of the argument but, alas, I
> didn't save it!

Well, that sounds vaguely like something I once said but I can't remember either.

Be careful about terms here since there is a popular misconception about pathloss that goes something like "something magical and dreadful happens above 1 GHz or so and energy is no longer conserved which is what accounts for microwaves not being good for anything". Efficiency sometimes gets used to relate to the subject of how much of the transmitted power going in at the connector actually gets turned into useful radiated energy. Lossy elements within the antenna structure or local environment(ground losses etc) decrease this. People also talk about "aperture efficency" which relates to how good a job an antenna does (on receive) of "catching" all the incident power from some distant source or (on transmit) of creating local fields which all contribute to the production of the theoretical maximum fields at a distant measurement location.

Although skin effect or other losses may not scale with frequency there is no general *frequency* term related to the inherent ability of an antenna to translate transmitter power to radiated fields. There is nothing fundamental preventing a dipole (or any antenna of constant *electrical* description for that matter) from generating the same farfield power at 10 GHz as at 100 MHz. 1 watt into a an isotropic antenna spreads out to become the same intensity on the surface of the encompassing sphere of radius D(istance). Adding up all the power over the surface of that sphere gets you back to the original power you put into the antenna (minus any that got lost heating up the copper, dandilions or whatever).

Al N1AL writes:
>
> On the other hand, you probably wouldn't use a ground plane at 1440 MHz.
> If you built a dish antenna the same approximate size as the 2 meter
> ground plane, you might have 20 dB LESS path loss (80 dB total).
>
> If you compare antennas of the same TYPE, lower frequency is better.
> If you compare antennas of the same SIZE, higher frequency is better.

Al correctly identifies the rub: The *physical* size of an antenna of given *electrical* description is decreasing with frequency. That is, the *physical* aperture (how big a "flux catching bucket" the antenna represents) of an antenna is changing at -20*log(freq). This means that if you compare the end to end performance on a freespace path using constant electrical size, say two dipoles or two isotropic antennas, it looks like there is indeed some kind of "pathloss". However, energy is conserved (I know we are all breathing easier now) and what is really happening is that the receive antenna physical aperture is shrinking with frequency. Consequently if you go out a constant physical distance from the transmitter and see how much you catch you discover lower frequencies appear to work better. Don't believe that! It's just that your antennas are getting smaller. Or put another way, you went a greater *electrical* distance at higher frequencies.

To further compound the misconception, the physical aperture of electrically small antennas (dipoles and other low gain structures) can be much greater than their physical size. This accounts for pocket transitor radios with loopsticks working as well as they do. Although they are physically small they electrically have virtually the same aperture (bucket size) as a dipole, I forget the difference but it is fractions of a dB or so. They may be miserable to feed due to their extremely high Q and resultant inefficiency given real world matching networks (160 Meter mobile antenna problem) but they do a fine job to the degree that one can couple to their radiation resistance. This situation furthers the myth that low frequencies are better; physically small antennas don't seem to be the same. A rubber ducky on 10 Meters (do they exist?) appears to work better than the same length full size monopole on some much higher frequency.

Once one gets away from the somewhat confusing lowgain/simple antenna situation things do become more obvious. For a constant ERP (constant tx power into constant gain antenna) you get constant flux at distant receiver site independent of frequency. Putting up a constant physical size receive antenna results in recovering the same power, independent of frequency. However that receive antenna's directivity and gain (directivity~gain if there isn't some frequency dependent loss problem) is increasing with frequency. Therefore for the constant *electrical* size transmit antenna (dipole, 5 element yagi, 100 lambda diameter dish or whatever) and constant *physical* receive antenna size there is constant "pathloss", "pathloss" in quotes because no energy is really lost on the path itself. No frequency dependency or deterioration would be noted.

But wait! We aren't done yet. The real world often(usually?) has us use the same antenna for transmit as for receive. If we let *both* ends be constant physical size (actually constant physical aperture but I'm talking about higher gain antennas so the two are roughly the same now) our ERP is increasing with frequency along with the gain (or electrical aperture) and we are increasing the flux at the distant receive "bucket". Since electrical aperture goes as lambda^2 this is a +20*log(frequency) dependency.
This makes higher frequencies look *better*, as Al mentioned. A given physical size antenna focusses the transmitter power better on the distant receive site as frequency is increased. We end up wasting less of it in directions where we are not collecting/receiving it (for point to point communications).

Summary:

Constant electrical size on both ends (as in omni-omni links) gives -20*log(frequency) performance. Things get worse with increasing frequency. In addition physically short antennas can (nearly) behave as though they were full size dipoles exagerating the perceived effect.

constant electrical/constant physical size antennas on a link has no frequency dependency. The transmitter creates constant flux/meter^2 and the constant physical size receive antenna catches the same amount, independent of frequency. This might be an omni/directional antenna link.

Constant physical size on both ends (directional/gain antennas on a full pt-pt link) gives +20*log(frequency) performance.
Higher frequencies allow focussing more of the absolute

transmitter power on the remote receive antenna as frequency is increased. This effect continues until real world constraints like water vapor absorption or beam de-steering by troposhperic conditions diminish it.

This is the crux of the argument for going to a network of point-point physical layer links as we try to build a moderate/high speed amateur digital network. Not only do we have to use higher frequencies to efficiently transmit our bits, we have to go higher to find spectrum in which to do it. Both of these reasons are vital as we try to provide high bandwidth information (high rate, low latency and high volume) simultaneously to a large number of users.

The physics, economics and politics of the situation all demand this.

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

Amateur Radio:
Make efficient use of the microwave spectrum for transmitting information, become relevant in the information age by providing information age servives or wither away into insignificance.

```
From -5706965568090635644
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,801fe1a7956acd22
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-27 14:18:55 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!zaphod.mps.ohio-state.edu!
sdd.hp.com!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: pulse on X-band
Message-ID: <1250154@hpnmdla.HP.COM>
Date: 27 Apr 90 21:18:55 GMT
References: <24255@usc.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 15
Posted: Fri Apr 27 22:18:55 1990
```

Al N1AL writes:

>The advantage of pulse at microwave frequencies is that frequency stability is
> much less important than with narrowband modes. Stability is harder to
> achieve the higher you go in frequency.

Another advantage is (was anyway) the higher average power hardware available through surplus (cheap) radar hardware. I think that issue is rapidly disappearing.

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From -2555095178614381383
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f33cf6a6c645f350,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-27 14:28:26 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!bridge2!mips!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpcc01!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: What is a CB radio?
Message-ID: <18230005@col.hp.com>
Date: 27 Apr 90 21:28:26 GMT
References: <12850@bambam.WELLESLEY.EDU>
Organization: HP Colorado Springs Division
Lines: 9
Posted: Fri Apr 27 22:28:26 1990

Just locate the nearest Radio Shack store and I'm sure the salesman could explain the advantages and operating procedures. Generally, they are not very expensive; 50 to 150 dollars. I believe a good one could be purchased for $70. The antenna will run another 20 to 30 dollars. I would suggest just getting a "magnetic mount" type that will stick to the surface of the trunk lid or roof and run the coax cable in through either the trunk or through the window.

Best of luck

From -3487138603580047722
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,801fe1a7956acd22
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-27 16:00:00 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: pulse on X-band
Message-ID: <30500512@ux1.cso.uiuc.edu>
Date: 27 Apr 90 23:00:00 GMT
References: <1250147@hpnmdla.HP.COM>
Lines: 49
Nf-ID: #R:hpnmdla.HP.COM:1250147:ux1.cso.uiuc.edu:30500512:000:2407
Nf-From: ux1.cso.uiuc.edu!phil   Apr 27 18:00:00 1990
Posted: Sat Apr 28 00:00:00 1990

> >Why is a pulse easily detectable?
>
> Because it has such a high peak power.

...yeah, ...if the way you are listening happens to be peak sensitive. A "peak" can also exist in many other forms (domains) such as spectral (i.e. an unmodulated or low baud rate CW carrier). What you are talking about is concentration in the time domain only. There are other domains from the simple spectrum domain, to more complex domains involving spread spectrum.

Regardless of where you put the signal, provided you put it somewhere that it can be picked up, you only have so much signal compared to a certain amount of noise. OLDER technology allowed "filtering" out noise in the TIME domain rather easily by closing the receiver at times the pulse is not expected. Today, we can do this in virtually ALL imaginable domains. Shannon's law applies to them all. Pulse just happens to be cheaper using older technologies.

> >Once syou start defining addition pulse times to listen on, or widen the period you have to listen, you lose S/N advantage.
>
> I disagree. Since the pulse is of such high power, a much greater path loss can be overcome. Listen 100% of the time, and the strong pulses that are much greater than the background noise level will be easily detectable.

You can overcome the same path loss by many methods. Suppose your system is marginally working, and the path loss increases by 3 db. You could increase the POWER by 3db and overcome it. You could DECREASE THE BAUD rate to 1/2 and overcome it (changes needed at the receiver to narrow the bandpass to gain the advantage). Other methods can be used in other domains.

We are talking about theory and practicality. The ONLY advantage I see to pulse is that much pulse equipment is available to hams cheaply. It is not inherintly better in terms of noise immunity. Given than hams are limited to a peak of 1500 watts, pulse has a DISadvantage of actually REDUCING your average power. Of course that disadvantage might be gained back if you are trying to drive the signal through an amplifier that can handle only an AVERAGE of 15 watts for dissapation purposes for your 1% pulse.

Pulse has practical advantages in certain cases, but it has NO THEORETICAL advantage.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 7773552221011206263
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,6fb41e1583595989
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-27 16:11:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!uwm.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: RF Hazards at 23 cm??
Message-ID: <30500513@ux1.cso.uiuc.edu>
Date: 27 Apr 90 23:11:00 GMT
References: <7137@ncar.ucar.edu>
Lines: 26
Nf-ID: #R:ncar.ucar.edu:7137:ux1.cso.uiuc.edu:30500513:000:1286
Nf-From: ux1.cso.uiuc.edu!phil   Apr 27 18:11:00 1990
Posted: Sat Apr 28 00:11:00 1990

> Regarding antenna gain/aperture at 23 cm.
>
> For a given antenna type (dipole, say), the aperture is proportional
> to the square of the wavelength. If you have 100 dB of path loss between
> two 144 MHz quarter-wave ground planes, you will have 120 dB of path loss
> between two 1440 MHz ground planes the same distance apart.
>
> On the other hand, you probably wouldn't use a ground plane at 1440 MHz.
> If you built a dish antenna the same approximate size as the 2 meter
> ground plane, you might have 20 dB LESS path loss (80 dB total).
>
> If you compare antennas of the same TYPE, lower frequency is better.
> If you compare antennas of the same SIZE, higher frequency is better.

This might apply to receiver and not transmitter. I'll have to think
about it for some time (and consult with KE9TV) to be sure I have all
the variables considered.

I suspect that if you scale down the whole system, transmitter, receiver,
wavelength, AND THE PATH LENGTH, you would have a constant signal strength
or perhaps a constan S/N. Of course reality does not allow us to scale
everything any way we want, such as path length.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 2278643913113897664
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,162d2322ee83536d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,162d2322ee83536d,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-04-27 16:31:39 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!
unix.cis.pitt.edu!dsinc!wells!edw

From: edw@wells.UUCP (Ed Wells)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Bearcat parts
Message-ID: <231@wells.UUCP>
Date: 27 Apr 90 23:31:39 GMT
Organization: Wells Computer Systems Corp., Levittown, Pa. 19058
Lines: 12
Xref: gmdzi sci.electronics:6451 rec.ham-radio:11120
Posted: Sat Apr 28 00:31:39 1990

I am in need of parts for Bearcat scanners. One is the CPU chip for the Bearcat 300. Also chips for Bearcat 250's. In particular, the UHF chips (at least this time around).

Did anyone buy up any of Bearcat's surplus?

--
===
Edward E. Wells Jr., President   Voice: (215)-943-6061
Wells Computer Systems Corp., Box 343, Levittown, Pa. 19058
{dsinc,francis,hotps,houxl,lgnp1,mdi386,pebco}!wells!edw

From 8210417705508903672
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2383db3e0dcfb08a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-27 17:02:15 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Morse Coding standards (non-ham question)
Message-ID: <1250155@hpnmdla.HP.COM>
Date: 28 Apr 90 00:02:15 GMT
References: <9004242215.AA02030@ti.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 14
Posted: Sat Apr 28 01:02:15 1990

I can't believe I did this. Attribute the typo to lack of sleep.

The correct spacings for Morse code are:

Dit : 1 unit
Dah : 3 units
Space between dit's/dah's : 1 unit
Space between letters : 3 units
Space between words : 7 units

Note that the word "PARIS", including the 7-unit space at the end, is exactly 1 standard "word" long.

Al N1AL

From 541460237082625168
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6fb41e1583595989
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-27 17:58:19 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: RF Hazards at 23 cm??
Message-ID: <24371@usc.edu>
Date: 28 Apr 90 00:58:19 GMT
References: <7137@ncar.ucar.edu> <30500513@ux1.cso.uiuc.edu>
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 27
Posted: Sat Apr 28 01:58:19 1990

In article <30500513@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>> If you compare antennas of the same TYPE, lower frequency is better.
>> If you compare antennas of the same SIZE, higher frequency is better.
>
>This might apply to receiver and not transmitter.

This applies to a system including transmitter, receiver, and similar antennas at both ends. As frequency is changed, receiver noise figure, transmitter power, and path length should not change.

>I suspect that if you scale down the whole system, transmitter, receiver,
>wavelength, AND THE PATH LENGTH, you would have a constant signal strength
>or perhaps a constan S/N. Of course reality does not allow us to scale
>everything any way we want, such as path length.

This is not true. As the antennas stay the same size, antenna SYSTEM gain goes up as f^4 (because the antennas at each end have gain that goes up as f^2) but the path loss only goes down as f^3. Thus, for antennas of the same size, there is an advantage to going to higher frequencies.

For antennas of the same type, lower frequency is better for two reasons. (1) the antennas get physically larger, and (2) for higher frequencies, the antennas get very difficult to build. Just try to build a yagi on 3 cm!

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

---

From -7230598028787487158
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,9912cc056a0ec2f7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-27 20:04:11 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!mintaka!ogicse!ucsd!ucbvax!sulaco.enet.dec.com!judice
From: judice@sulaco.enet.dec.com ("Lou Judice @KYO / DTN 323-4103 27-Apr-1990 2259")
Newsgroups: rec.ham-radio
Subject: NJ Receiver Law Update?
Message-ID: <9004280304.AA08422@decpa.pa.dec.com>
Date: 28 Apr 90 03:04:11 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Sat Apr 28 04:04:11 1990

During the March Hamfests (Dover, Trenton, NJ) I heard that the NJ Receiver/"Scanner" Law was progressing well. Does anyone have any updated info?

I've also seen the text of the ARRL recommended FCC preemtion for transceiver capable of operating (coincidentally) on public service bands. Does anyone have any further infomation on this?

/ljj

From -7978218457037199857
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d2a1a3248ff87fcc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-27 20:41:30 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!mintaka!ogicse!ucsd!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins: Space Shuttle
Message-ID: <9004280712.AA20203@ucbvax.Berkeley.EDU>
Date: 28 Apr 90 03:41:30 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Sat Apr 28 04:41:30 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current elements for the current shuttle mission are provided below. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
STS 31
1 20579U 90 37  A 90117.10416666  .00002331  00000-0  25599-3 0   432
2 20579  28.4724 214.4778 0006679 321.4080 256.4255 14.84204124   381
HST
1 20580U 90 37  B 90115.92007935 -.00019413  00000-0 -22999-2 0   416
2 20580  28.4631 222.0038 0005784 272.7940  87.2151 14.84112255   202
--
Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology


From -2036830659395017613
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a23d691c1fbb3031
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-28 00:08:11 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-
state.edu!usc!cs.utexas.edu!texbell!nuchat!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Long distance communication
Message-ID: <Z-Q#Z_@splut.conmicro.com>
Date: 27 Apr 90 12:42:44 GMT
References: <24252.262e1831@vaxb.acs.unt.edu>
<9004231749.AA00838@mbunix.mitre.org> <24317@usc.edu>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 17
Posted: Fri Apr 27 13:42:44 1990

In article <24317@usc.edu> kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
>In article <9004231749.AA00838@mbunix.mitre.org> ptb@MBUNIX.MITRE.ORG writes:
>>If you are in Texas and your girlfriend is in New York, it would have
>>to be an HF system of some kind (Distances are too long for VHF).
>This is not true!  Distances greater than this have been worked on all
>bands up to and including 23 cm.  I don't know the current world
>distance records above 23 cm, so distances greater than this may have
>been accomplished on the higher bands also.

"...have been accomplished" is a long, long, long way from "...can be
reliably achieved".

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
attctc, RIP. It was nice knowing ya +---------------------------------------
  "Flying is a lot more fun than being in the Senate." -- Senator Jake Garn


From -1177445688753859106
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,85adec3066708845,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-Thread: fddbf,85adec3066708845,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-04-28 01:55:11 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!uunet!motcid!froula
From: froula@motcid.UUCP (Don Froula)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Teletext
Keywords: teletext data television
Message-ID: <2657@violet29.UUCP>
Date: 27 Apr 90 15:01:26 GMT
Organization: Motorola Inc., Cellular Infrastructure Div., Arlington Heights, IL
Lines: 18
Xref: gmdzi rec.ham-radio:11095 rec.ham-radio.packet:2150
Posted: Fri Apr 27 16:01:26 1990

Does anyone have information about the fate of Teletext services in the US? This is an information service that provides text and block color graphics capability on a home TV receiver equipped with a special decoder. The data is embedded in several unused TV lines in the vertical blanking interval. The data repeats over and over in the form of a magazine. The decoder simply grabs pages as they come by and stores them in a display buffer. The system is very popular in the UK.

Zenith used to offer an embedded decoder on some of their sets. Also, Dick Smith electronics offered a kit a few years back.

Observations on several local broadcast and cable channels show considerable activity in the blanking interval.

Information on current status of Teletext and sources for decoders would be appreciated.

Don WD9DMP

From -995189576394035238
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bbd365321a95f4c9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,bbd365321a95f4c9,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: f9532,bbd365321a95f4c9,start
X-Google-Attributes: gidf9532,public
X-Google-ArrivalTime: 1990-04-28 03:38:55 PST
Path: gmdzi!unido!mcsun!hp4nl!dutrun!dutentb!ese
From: ese@dutentb.UUCP (Kees Schot)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,misc.wanted
Subject: AR-2002 scanner remote info wanted
Keywords: scanner AR2002 remote
Message-ID: <556@dutentb.UUCP>
Date: 28 Apr 90 10:38:55 GMT
Organization: Delft University of Technology, the Netherlands

Lines: 24
Xref: gmdzi rec.ham-radio:11252 rec.ham-radio.packet:2186 misc.wanted:4252
Posted: Sat Apr 28 11:38:55 1990

!! HELP !!

For about one year I'm looking for information on the computer interface of the AR-2002 communications receiver.

If someone has hard- or software information about this interface (or also about other interesting aspects of this equipment) please send it to me by email to

schot@dutentb.tudelft.nl

or on paper to:

C.A. Schot,
Grote Kreek 45,
3079 CC Rotterdam,
The Netherlands.

Even the name and address of the (I thought Japanese) manufacturer of this scanner can help me.

Please, help me, because this is the last hope for me to get this information.

From 7419564198463822328
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,36d18bd0477deb4c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-28 06:07:49 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!snorkelwacker!mit-eddie!rutgers!tut.cis.ohio-state.edu!ucbvax!SCRVMSYS.BITNET!702WFG
From: 702WFG@SCRVMSYS.BITNET (bill gunshannon)
Newsgroups: rec.ham-radio
Subject: Re: Autopatching in Maryland
Message-ID: <9004290700.AA28283@ucbvax.Berkeley.EDU>
Date: 28 Apr 90 13:07:49 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Sat Apr 28 14:07:49 1990

I don't remember anything in the original posting that said the requestor was trying to beat the toll charges. It just so happens that the person who sent the original request is a Midshipman at the Naval Academy, and he is not likely to have a phone in his room nor can he run out and look for an available phone booth any time he wants. Being as running phone patches for the military, especially ships at sea, is something hams have

always bragged about, I can't understand why everyone is up in arms about
this poor guys request.

And just as a matter of information, I once knew of a repeater that was
set up primarily as a means of avoiding toll charges. It was set up in
a location where it could have a phone number that was in an exchange that
would normally be a toll call for the group who comprised the regular users
of the repeater.   I don't know of anyone ever getting a pink slip for using
it.

bill KB3YV

                                          bill gunshannon
                                       702WFG@SCRVMSYS.BITNET

```
From -7412477126954085652
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8e51a753ccca96b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9270,e8e51a753ccca96b,start
X-Google-Attributes: gidf9270,public
X-Google-Thread: 105d97,e8e51a753ccca96b,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-04-28 06:14:09 PST
Path: gmdzi!unido!uklirb!incas!zeno!reitherm
From: reitherm@zeno.informatik.uni-kl.de (Steffen Reithermann/Moskito)
Newsgroups: rec.ham-radio,sci.electronics,rec.video
Subject: Some infos WANTED:   AOR-3000, Pay TV
Keywords: AOR, communication, receiver, pay tv, descrambler
Message-ID: <4255@incas.informatik.uni-kl.de>
Date: 28 Apr 90 13:14:09 GMT
Sender: news@incas.informatik.uni-kl.de
Followup-To: rec.ham-radio
Lines: 41
Xref: gmdzi rec.ham-radio:11240 sci.electronics:6516 rec.video:2156
Posted: Sat Apr 28 14:14:09 1990
```

Hi,

i have heard some rumours about undocumented keyboard (service) functions of the
AOR-3000 communications receiver.
Does anybody know something about this ?

Where can I get hints for descrambling Pay TV programs, e.g. the German
"TeleClub" system ?
Can anybody recommend me literature or any other kind of information ?

                   Thanks in advance

P.S.: For those who don't know:
      The AOR-3000 is a   100 kHz to 2036 MHz   (continuously, 50 Hz steps)

Communications Receiver with N-FM / W-FM / AM / LSB / USB / CW modes
and 4 x 100 memories
... and a RS-232C interface.
(I hope to find the time to write & post controller software for it!)

```
-----------------------------------------------------------------------
|    Steffen Reithermann                             |
|                                           |
|    University of Kaiserslautern                         |
|    F. R. G.    (Federal Republic of Germany)            |
|                                           |
|    e-mail address:      reitherm@sokrates.informatik.uni-kl.de   |
|    paper-mail address:  Steffen Reithermann             |
|                  Stahlstrasse 21                   |
|                  D-6750 Kaiserslautern             |
|                  F. R. G.                     |
|    phone number:      +49-631-46953                |
|                                           |
| "All programmers are pessimists - I am the exception to this rule." |
-----------------------------------------------------------------------
```

--
'Steffen Reithermann'

From -8480036667513532462
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b14f6b6896722b22
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaed,b1010a4124afde03,start
X-Google-Attributes: gid10aaed,public
X-Google-ArrivalTime: 1990-04-28 06:32:05 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!mintaka!think!zaphod.mps.ohio-state.edu!uwm.edu!rutgers!rochester!kodak!gizzmo!mark
From: mark@gizzmo.UUCP (mark hilliard)
Newsgroups: rec.ham-radio
Subject: Re: Hustler address
Message-ID: <121@gizzmo.UUCP>
Date: 28 Apr 90 13:32:05 GMT
References: <9004280048.AA27675@ucbvax.Berkeley.EDU>
Reply-To: mark@gizzmo.UUCP (mark hilliard)
Organization: gizzmo, Walworth, NY
Lines: 12
Posted: Sat Apr 28 14:32:05 1990

In article <9004280048.AA27675@ucbvax.Berkeley.EDU> lwrclmr@SACEMNET.AF.MIL ("LWRCLMR") writes:
> You'll probably get faster and
>cheaper response than directly from the factory.

WRONG!!!!!

I called Hustler with problems with a resonator, and the shipped me a NEW one free. They have the best service department that I have ever dealt with.

Mark Hilliard
N2HHR

From 3384228124017980615
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,500f9e7d0227ea35,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,500f9e7d0227ea35,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-04-28 11:13:51 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!mintaka!yale!cs.utexas.edu!
uunet!zephyr.ens.tek.com!tektronix!sequent!rjk
From: rjk@sequent.UUCP (Robert Kelley)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Phase-Sequence filters for SSB
Message-ID: <33977@sequent.UUCP>
Date: 28 Apr 90 18:13:51 GMT
Organization: Sequent Computer Systems, Beaverton, OR
Lines: 11
Xref: gmdzi rec.ham-radio:11128 sci.electronics:6459
Posted: Sat Apr 28 19:13:51 1990

One way to implement the audio phase difference for the phasing method of SSB generation is described in _The_ARRL_Handbook_ and in Horowitz and Hill's _The_Art_of_Electronics_ 2nd ed. page 295. They call it a phase-sequence filter and it consists of a cyclic network of resistors and capacitors, driven by two signals of 180 degree phase difference, producing four outputs 90 degrees apart. Does anyone here have any experience with these filters? In particular, how are they designed and analyzed? References?

Thanks,
Bob Kelley

From 1826000171183117 23
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28a837e81ad49026
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-28 12:52:33 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!mit-eddie!rutgers!apple!portal!
cup.portal.com!HAVANAMOON
From: HAVANAMOON@cup.portal.com (Havana - Moon)
Newsgroups: rec.ham-radio
Subject: Re: Sony Air 8 mods
Message-ID: <29399@cup.portal.com>

Date: 28 Apr 90 19:52:33 GMT
References: <9004271006.AA04856@ucbvax.Berkeley.EDU>
Organization: The Portal System (TM)
Lines: 8
Posted: Sat Apr 28 20:52:33 1990

Sony Air 8 Mods

Radio West --at one time-- was a leader in so-called "exotic mods."
They continue to advertise many miscellaneous receiver modifications.
They can be reached by phone at 619/726-3910. Or you can write
them at -- Radio West, 850 Anns Way Drive, Vista, CA 92083.
73s
"HM"

From 5082744875372089794
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a058118e5cd2347e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-28 13:41:43 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!mit-eddie!rutgers!uwm.edu!
zaphod.mps.ohio-state.edu!usc!apple!portal!cup.portal.com!HAVANAMOON
From: HAVANAMOON@cup.portal.com (Havana - Moon)
Newsgroups: rec.ham-radio
Subject: Re: REALISTIC PRO-2005
Message-ID: <29402@cup.portal.com>
Date: 28 Apr 90 20:41:43 GMT
References: <A309B08BAD7F807A63@uwplatt.edu>
Organization: The Portal System (TM)
Lines: 11
Posted: Sat Apr 28 21:41:43 1990

PRO-2005 MODS

Try the following:
Dromedary Technical Services
141 Jackson Road
Roopville
Georgia 30170
Phone: 404/854-8846

73s
"HM"

From -1377125524884702507
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6fb41e1583595989
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-28 14:42:00 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!mit-eddie!rutgers!cs.utexas.edu!
uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil

From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: RF Hazards at 23 cm??
Message-ID: <30500514@ux1.cso.uiuc.edu>
Date: 28 Apr 90 21:42:00 GMT
References: <7137@ncar.ucar.edu>
Lines: 22
Nf-ID: #R:ncar.ucar.edu:7137:ux1.cso.uiuc.edu:30500514:000:1133
Nf-From: ux1.cso.uiuc.edu!phil   Apr 28 16:42:00 1990
Posted: Sat Apr 28 22:42:00 1990

> >I suspect that if you scale down the whole system, transmitter, receiver,
> >wavelength, AND THE PATH LENGTH, you would have a constant signal strength
> >or perhaps a constan S/N. Of course reality does not allow us to scale
> >everything any way we want, such as path length.
>
> This is not true. As the antennas stay the same size, antenna SYSTEM
> gain goes up as f^4 (because the antennas at each end have gain that
> goes up as f^2) but the path loss only goes down as f^3. Thus, for
> antennas of the same size, there is an advantage to going to higher
> frequencies.

But can you explain why the case I cited is incorrect as you say without giving as an example some entirely different case? I was not talking about the case of antennas of the same size.

As the antenna scales with wavelength, it's gain is constant. The path length is also scaled meaning the path loss is less by f^2 but the receive aperture is less also by f^2. Still seems constant to me.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -3612305113770225658
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a576a79b72da4dd3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-28 14:50:58 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!mintaka!yale!think!
zaphod.mps.ohio-state.edu!van-bc!ubc-cs!alberta!ccu!umrose05
From: umrose05@ccu.umanitoba.ca (Dave Rose)
Newsgroups: rec.ham-radio
Subject: IC2400/IC-970
Message-ID: <1990Apr28.215058.2269@ccu.umanitoba.ca>
Date: 28 Apr 90 21:50:58 GMT
Sender: umrose05@ccu.umanitoba.ca (Dave Rose)
Organization: University of Manitoba, Winnipeg, Canada
Lines: 17
Posted: Sat Apr 28 22:50:58 1990

Does anyone out there have the stats for the new IC-970?
I just saw an add, but it wasn't very complete. Does anyone know
the power specs etc...and has anyone ever used one??Or is it still too
relativly new.

Also, has anyone out there got an IC2400? If so, how good are they in
the practical world?

Dave

--
Dave Rose   : Local (UnixWS) - UMRose05@CCU.UManitoba.CA
P.O. Box 403   : Local (Amdahl) - #Rose05@CCM.UManitoba.CA
Winnipeg, Manitoba, Canada: UUCP Node #005 - drose@trash.UUCP
R2M-5H3   :

From -6501232916632533613
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,215ad7f336769a52,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-28 18:06:47 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!snorkelwacker!husc6!rutgers!apple!portal!cup.portal.com!ckp
From: ckp@cup.portal.com (Christine K Paustian)
Newsgroups: rec.ham-radio
Subject: Radio Collection Catalog
Message-ID: <29410@cup.portal.com>
Date: 29 Apr 90 01:06:47 GMT
Distribution: usa,world
Organization: The Portal System (TM)
Lines: 13
Posted: Sun Apr 29 02:06:47 1990

The new Radio Collection catalog is available from the following
address for the asking and a SASE -

MoonBeam Press
PO Box 149
Briarcliff Manor, NY 10510

/ckp@cup.portal.com

From 7393445776610525519
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7d0bf423fce7138,start

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,b7d0bf423fce7138,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-04-28 19:14:47 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!rpi!crdgw1!ge-dab!tarpit!peora!tsdiag!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: * SpaceNews 30-Apr-90 *
Keywords: Amateur Satellite News
Message-ID: <283@ka2qhd.UUCP>
Date: 29 Apr 90 02:14:47 GMT
Organization: KA2QHD PBBS SYSTEM, OCEAN NJ
Lines: 143
Xref: gmdzi rec.ham-radio:11151 sci.space:11943
Posted: Sun Apr 29 03:14:47 1990

Bulletin ID: SPC0430

SpaceNews

MONDAY APRIL 30, 1990

SpaceNews is published and distributed weekly around the world on USENET and Amateur Packet Radio. It is available for unlimited distribution.

* STS-31 NEWS *

Mike (WD8KPZ) of Phoenix, Arizona reported hearing space shuttle astronaut communications on a frequency of 279.000 MHz AM during their EVA during the deployment of the Hubble Space Telescope.

Mike used an Icom R-7000 receiver and a quarter-wave ground plane antenna at an altitude of 15 feet to receive the astronauts.

* STS-35 NEWS *

The STS-35 Astro-1/SAREX mission launch date has been delayed from May 9 to May 15 due to the STS-31 launch delay. There may be a further delay due to a presently unhealthy STS-35 astronaut.

* DOVE-1 NEWS *

Bob (N4HY) continues to upload software to the DOVE-1 satellite in an effort to bring it back "on line" after the OBC crash last month. DOVE-1 is presently transmitting on 2401.100 MHz (+/- Doppler!) while the 145.825 MHz general beacon is turned off. DOVE-1 will be back on VHF in a short while carrying digitized voice messages of world peace.

* COMET AUSTIN NEWS *
=====================

Comet Austin (1989c1) has been sighted by many living on the west coast of the United States in recent weeks. Comments from observers indicate that the comet was not as spectacular as expected and there are indications that the comet's brillance will decrease further now that it is receding from the sun.

* CONSORT-3 LAUNCH *
====================

The launch of Consort 3, a commercial suborbital rocket carrying 12 microgravity experiments, has been set for May 17 at 10:40 AM EDT (1440 UTC), by the University of Alabama-Huntsville's (UAH) Consortium for Materials Development in Space (CMDS), a NASA Center for the Commerical Development of Space (CCDS).

Consort 3 will be launched from the Naval Ordnance Missile Test Station facilities at the U.S. Army's White Sands Missile Range (WSMR), New Mexico, by Space Services, Inc., Houston, using its Starfire rocket. The rocket will carry the payload to an altitude of 200 miles and will provide the experiments with 7 to 8 minutes of microgravity time.

[From: Peter E. Yee @ NASA Ames Research Center, Moffett Field, CA.]

* MIR NEWS *
============

After numerous postponments, the 20 ton "Kristall" Mir expansion module is expected to dock with Mir on June 1, 1990. Software problems on board Mir are responsible for the delay. The module was orginally scheduled for launch in February. Cosmonauts Anatoly Solovyov and Alexander Baladin have been living on the Mir space station for 77 days.

* SPACE FOR PEACE *
===================

The European Space Agency and the Soviet Union have signed a ten-year agreement to cooperate on exploration and use of space for "peaceful purposes". Space Fax Daily reports the agreement was signed on April 23rd in Paris. There will be no exchange of funds under the pact which has the option to be renewed for an additional decade.

[From: NASA Headline News]

* WELCOME ABOARD! *
===================

Interested in learning more about the Amateur Radio Service? For information on licensing requirements and operating privileges, write:

The American Radio Relay League
225 Main Street
Newington, Connecticut 06111
U.S.A.

* MAIL BAG *

Here's a packet radio message recently received from Canberra, Australia:

```
Msg# TSP  Size To     @ BBS  From    Date  Time Bid
8411 PN   1122 KD2BD         VK1KCM 900426 1834
```

Subject: Greetings.

Hi John,
This is just a note to say thank you for the SpaceNews articles you write and a wish for you to continue.

I receive your articles both by the Packet Radio Network and the Fidonet. (I believe they originate on the Internet but I haven't seen that newsgroup here yet.)

Thanks again.

Carl.

* FEEDBACK WELCOMED *

Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

UUCP   : ...uunet!masscomp!ocpt!tsdiag!ka2qhd!kd2bd
AX.25 : KD2BD @ NN2Z.NJ.USA.NA

MAIL   : John A. Magliacane
Department of Electronics Technology
Advanced Technology Center
Brookdale Community College
Newman Springs Road
Lincroft, New Jersey 07738
U.S.A.

<eof>

--
AMPR : KD2BD @ NN2Z (Neptune, NJ)
UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
"For every problem, there is one solution which is simple,

neat and wrong." -- H.L. Mencken

```
From -8889129284563878235
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b26bf7c2b24c0737,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9b5b,bd7c618fe781e3ac
X-Google-Attributes: gidf9b5b,public
X-Google-Thread: fb802,bd7c618fe781e3ac
X-Google-Attributes: gidfb802,public
X-Google-ArrivalTime: 1990-04-28 21:09:36 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!snorkelwacker!mit-
eddie!rutgers!ucsd!nosc!crash!scotto
From: scotto@crash.cts.com (Scott O'Connell)
Newsgroups: rec.ham-radio
Subject: Aiming Antennas
Message-ID: <2443@crash.cts.com>
Date: 29 Apr 90 04:09:36 GMT
Organization: Crash TimeSharing, El Cajon, CA
Lines: 32
Posted: Sun Apr 29 05:09:36 1990
```

Our radio club is contemplating another remote receiver for our 220 repeater system. Our main intention is to compliment the main repeater (located about 50 miles inland at 5900') for coastal North/South freeway users.

Our original idea was to use a Ringo Ranger II or a Hustler G7, but since inland coverage is not necessary (and the oceans is to the west) we were wondering about two beams pointed South & North-West (the directions of the freeway from the new receiver site)

A 7-element end-mount beam provides approximately 11db gain while the omni's are 7-9db. The other factor is cost. The 7-element beam is $47.00 and the omni's are (depending on model) ~90-150. So, that leaves me with the following questions:

How would two antennas be connected?

Would they do any better than the single omni?

What would *you* do?

Thanks in advance. Direct replies as you feel appropriate. (that means e-mail OR post)

P.S. I'm sorry if this message, PURE in Ham-Radio content, offends any readers! :-)

--

Scott O'Connell   UUCP: {nosc, ucsd, hplabs!hp-sdd}!crash!ipars!scotto

ARPA: crash!ipars!scotto@nosc.mil
INET: scotto@ipars.cts.com

From 7036343815731769433
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9a6493520a798bd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-29 13:58:48 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!mit-eddie!rutgers!cs.utexas.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Need Info
Message-ID: <iV5ci1w161w@w8grt.fidonet.org>
Date: 29 Apr 90 00:07:41 GMT
Organization: QRV de W8GRT
Lines: 28
Posted: Sun Apr 29 01:07:41 1990

(347)   Thu 26 Apr 90 5:24p
By: Don Buska
To: All
Re: Mag Article Wanted - VHF COMM 3/82

Wanted:

I am looking for a copy of the magazine article listed below:

Extremely Long Yagi Antennas
by Gunter Hock DL6WU
in VHF Communications Magazine (German magazine) 3/82

******* Attention VHF/UHF Operators *******

Appreciate any help. I have seen this article referred to many times by VHF/UHF antenna design software programs. I'd like to verify some of these programs. Actually, I have two different programs for designing DL6WU yagi's and both programs give me slightly different results. So I'd like to go to the source to see which one I should trust.

Thanks es 73's.
Don N9OO

Relay by:
Jim Grubs, W8GRT - aka FidoNet node 1:234/1
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs
INTERNET: jim.grubs@w8grt.fidonet.org

From 4734700002939289027
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,138f69af732ed444,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-29 15:19:56 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!mintaka!think!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!H.CC.PURDUE.EDU!s54
From: s54@H.CC.PURDUE.EDU (Garry Adkins)
Newsgroups: rec.ham-radio
Subject: Help finding a transformer
Message-ID: <9004282238.AA27773@h.cc.purdue.edu>
Date: 28 Apr 90 22:38:22 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Lines: 21
Posted: Sat Apr 28 23:38:22 1990

Hello!

I am building a power inverter (12v DC to 120v AC) that I hope to eventually transform into a UPS for a computer... The schematic was obtained from Motorola and uses 2 MTM60N06 power TFETs in the output stage. It uses a Xtal controlled frequency source and outputs a very nice high power 12v sine wave. The part I need help with is finding the transformer. I need a 120v to 12v 40amp center tapped transformer. I have had no luck whatsoever in finding one. If anyone could point me to a source of such a beast, (preferably surplus :)) I would appreciate the info. I dont even know how much the thing should cost.

Thanx.

P.S. These accts will only be mine until May 9.

```
*****************************************************************************
Garry Adkins             **  Wine comes in at at the mouth
s54@h.cc.purdue.edu      **  And love comes in at the eye;
(preferred)              **  That's all we shall know for truth
tdi@sage.cc.purdue.edu   **  Before we grow old and die.
                         **             -Yeats  (A Drinking Song)
```

From 7748177822347342189
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,95d118b738082509,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,95d118b738082509,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,95d118b738082509,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-04-29 15:55:21 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!mintaka!think!samsung!cs.utexas.edu!milano!peyote!majec
From: majec@peyote.cactus.org (Majec Systems)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio
Subject: manuals for National SW Radio
Keywords: 1940s sw National radio
Message-ID: <667@peyote.cactus.org>

Date: 29 Apr 90 02:51:14 GMT
Organization: Capital Area Central Texas Unix Society, Austin, TX
Lines: 4
Xref: gmdzi rec.radio.shortwave:1101 rec.ham-radio.swap:406 rec.ham-radio:11131
Posted: Sun Apr 29 03:51:14 1990

I am looking for manuals, or a good source for manuals for a couple of 40s era
shortwave radios. if you know of one.
please reply by e-mal

Thanks

From -8621437896571718609
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a23d691c1fbb3031
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-29 17:25:02 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!zaphod.mps.ohio-state.edu!
mips!daver!ditka!zinn!ubbs-nh!n8ino!craig
From: craig@n8ino.UUCP (R. Craig Peterson)
Newsgroups: rec.ham-radio
Subject: Re: Long distance communication
Message-ID: <431@n8ino.UUCP>
Date: 30 Apr 90 00:25:02 GMT
References: <24252.262e1831@vaxb.acs.unt.edu>
<9004231749.AA00838@mbunix.mitre.org>
Reply-To: craig@n8ino.UUCP (R. Craig Peterson (n8ino))
Organization: Mainstream, Schaumburg, IL
Lines: 18
Posted: Mon Apr 30 01:25:02 1990

In article <9004231749.AA00838@mbunix.mitre.org> ptb@MBUNIX.MITRE.ORG writes:
 ... Recommendations of purchasing two $200+ radios, two beam antennas,
     two towers for a site in Texas, and in New {York,Jersey} Getting
     General class licenses, setting up skeds...

>You may also want to check out whether using ham radio to avoid a toll
>charge is really legal.

I think that these costs would add up to far more than most toll
charges. The system would be somewhat less reliable, too.

Hey, wait a minute... Did I buy all that gear to talk to strangers?
Now who's smarter?

--
R. Craig Peterson (N8INO)
decvax!n8ino!craig craig@n8ino.MV.COM

From 3522923747201735593

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2383db3e0dcfb08a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-29 18:45:27 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!cs.utexas.edu!sdd.hp.com!elroy.jpl.nasa.gov!ames!uhccux!cs421s05
From: cs421s05@uhccux.uhcc.hawaii.edu (Cs421s05)
Newsgroups: rec.ham-radio
Subject: Re: Morse Coding standards (non-ham question)
Keywords: CW, music
Message-ID: <7481@uhccux.uhcc.hawaii.edu>
Date: 30 Apr 90 01:45:27 GMT
References: <9004242215.AA02030@ti.com> <34758@shemp.CS.UCLA.EDU>
Reply-To: john-uhsss@uhplato.bitnet (John Shalamskas, KJ9U)
Organization: University of Hawaii
Lines: 21
Posted: Mon Apr 30 02:45:27 1990

>In years past (maybe in the future, too, I hope) I played keyboard
>instruments (piano, organ, synthesizer) .... now, I sometimes
>notice myself tapping my foot when I send and receive code!!!!
>
>---
>Charles P. Hobbs, N6YMK @ K6VE....
>Internet: cccph.eel.cs.ucla.edu   Plink: oar001   Genie: C.HOBBS

^^

I found out that one of my favorite "Fresh Aire" tunes has some
20 WPM CW embedded in it. The song "Tocatta" on the album "Fresh Aire 3"
sends II6IT. Pretty catchy rhythm, too.

Aloha de KJ9U/KH6

reply to me at:
john-uhsss@uhplato.bitnet

From 523525060495627923
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,162d2322ee83536d
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,162d2322ee83536d
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-04-29 23:51:02 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Bearcat parts

```
Message-ID: <2143@anasaz.UUCP>
Date: 29 Apr 90 16:52:47 GMT
References: <231@wells.UUCP>
Reply-To: john@anasaz.UUCP (John Moore)
Followup-To: sci.electronics
Organization: Anasazi, Inc.
Lines: 20
Xref: gmdzi sci.electronics:6463 rec.ham-radio:11132
Posted: Sun Apr 29 17:52:47 1990

In article <231@wells.UUCP> edw@wells.UUCP (Ed Wells) writes:
]
]  I am in need of parts for Bearcat scanners.  One is the CPU chip for
]the Bearcat 300.  Also chips for Bearcat 250's.  In particular, the UHF
]chips (at least this time around).
]
]  Did anyone buy up any of Bearcat's surplus?

err...

Bearcat still exists! They were purchased by Uniden. You can still
get parts (I just got a new keyboard for my BC 20/20 last week)
by calling 317-894-1036.


--
John Moore HAM:NJ7E/CAP:T-Bird 381  {asuvax,mcdphx}!anasaz!john john@anasaz.UUCP
Voice: (602) 951-9326 (day or eve)   FAX:602-861-7642  Advice: Long palladium,
USnail: 7525 Clearwater Pkwy, Scottsdale, AZ 85253     ......: Short petroleum
Opinion: Support ALL of the bill of rights, INCLUDING the 2nd amendment!


From 8850827517448348782
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b26bf7c2b24c0737
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-30 02:47:21 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!
dsinc!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo-N3HBZ)
Newsgroups: rec.ham-radio
Subject: Re: Aiming Antennas
Message-ID: <24247@netnews.upenn.edu>
Date: 29 Apr 90 21:47:17 GMT
References: <2443@crash.cts.com>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu.UUCP (Jeff DePolo-N3HBZ)
Organization: University of Pennsylvania
Lines: 49
Posted: Sun Apr 29 22:47:17 1990

In article <2443@crash.cts.com> scotto@crash.cts.com (Scott O'Connell) writes:
>
```

>Our radio club is contemplating another remote receiver for our 220 repeater
>system. Our main intention is to compliment the main repeater (located
>about 50 miles inland at 5900') for coastal North/South freeway users.
>Our original idea was to use a Ringo Ranger II or a Hustler G7, but
>since inland coverage is not necessary (and the oceans is to the west)
>we were wondering about two beams pointed South & North-West (the directions
>of the freeway from the new receiver site)
>A 7-element end-mount beam provides approximately 11db gain while the
>omni's are 7-9db. The other factor is cost. The 7-element beam is $47.00
>and the omni's are (depending on model) ~90-150. So, that leaves me with
>the following questions:
>How would two antennas be connected?
>Would they do any better than the single omni?
>What would *you* do?
>Scott O'Connell   UUCP: {nosc, ucsd, hplabs!hp-sdd}!crash!ipars!scotto
>   ARPA: crash!ipars!scotto@nosc.mil
>   INET: scotto@ipars.cts.com

You would get very good coverage with a pair of beams, but your coverage
to the east would be very limited due to the directionality of the beams.
7 element beams would have a relatively tight pattern.

If I were in your shoes, I'd think about using stacked folded dipoles.
You can customize the directionality of the system by locating them in
various places around the mast. You could get a pretty nice north-south
pattern and yet still have decent coverage to the east if they are
properly set up.

If you decide to go with a true omni, I'd suggest the G7 over the Ringo Ranger
II. The Ringo is an OK antenna, but I've seen a number of tests that
depict the antenna as having a relatively high radiation angle. The G7
is quite a nice antenna for the money and is one of the few good 220
omnis that you will find. I think you can plan to spend a bit over
$100 for the G7. The folded dipoles mentioned above probably go for
a bit less than that. Makers of folded dipoles include Antenna Specialists,
Phelps Dodge, and a few other commercial makers, although I'm not too
sure how many of them carry 'em for 220.

--- Jeff

```
+-----------------------+----------------------------------------------------+
|  Jeff DePolo - N3HBZ  | Internet: depolo@eniac.seas.upenn.edu              |
| Univ. of Pennsylvania | RF: 146.685- 224.40- 442.70+ 144.455s (Philadelpia) |
| Computer Science Eng. | Twisted pair: (215) 243-8125 home                  |
|     Class of 1991     | Carrier pigeon: 3901 Spruce St Box 850 Philly 19104 |
+-----------------------+----------------------------------------------------+
```

From 6836803933118111030
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b26bf7c2b24c0737
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 114b0c,de3ad4f33de9894c
X-Google-Attributes: gid114b0c,public
X-Google-ArrivalTime: 1990-04-30 03:51:40 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!snorkelwacker!think!samsung!usc!sdsu!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley -- W B 6 W U I)
Newsgroups: rec.ham-radio
Subject: Re: Aiming Antennas
Message-ID: <2451@crash.cts.com>
Date: 29 Apr 90 17:16:01 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 13
Posted: Sun Apr 29 18:16:01 1990

I would add that the Satellite Receiver is located in Sandy Eggo county and that the coverage area to be enhanced is the Interstate 5 freeway corridor from approximately 20 south of the receiver to 30+ miles north northwest of the receiver. Omni coverage is not needed and in fact would basicly duplicate existing coverage. This I5 corridor is riddled with low-lying coastal hills just west of the freeway and is a major shadow to the repeater site 30 miles east. Hence the desire to fill in the noisy I5 area....Mike

```
-------------------------------------------------------------------------------
| Mike Shirley,  WB6WUI         INET: mikey@pnet01.cts.com                    |
| PO Box 460                    ARPA: crash!pnet01!mikey@nosc.mil             |
| Lakeside, CA  92040-0460      UUCP: {hplabs!hp-sdd nosc}!crash!pnet01!mikey |
-------------------------------------------------------------------------------
```

From -8456000464479182695
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e2a6641f1d06ce26,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-30 04:44:23 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!cs.utexas.edu!usc!ucsd!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9005010704.AA02627@ucbvax.Berkeley.EDU>
Date: 30 Apr 90 11:44:23 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 372
Posted: Mon Apr 30 12:44:23 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

- Current NASA Prediction Bulletins #688 -

```
Alouette 1
1 00424U 62B-A  1 90106.14449276  .00000222  00000-0  25670-3 0  2715
2 00424  80.4664 347.2452 0024551  72.0267 288.3557 13.67327334374212
ATS 3
1 03029U 67111  A 90 88.80489108 -.00000075  00000-0  99999-4 0  3113
2 03029  13.1000  21.8559 1511727 213.1891 136.3776  1.00274601 82004
Cosmos 398
1 04966U 71 16  A 90117.15107987  .00109674  17209-4  60566-3 0  8216
2 04966  51.5187   6.3925 2313362  51.4680 327.1859 10.97272292586075
Starlette
1 07646U 75010  A 90108.05972562 -.00000043  00000-0  13825-4 0   262
2 07646  49.8256  35.7376 0205602 352.6495   7.1399 13.82135324767460
LAGEOS
1 08820U 76039  A 90109.23026026  .00000002  00000-0  00000 0 0   434
2 08820 109.8527 334.9416 0044284 250.8773 108.7231  6.38663193 70178
GPS-0001
1 10684U 78020  A 90116.08064334  .00000008  00000-0  99999-4 0  4218
2 10684  63.7139  91.1514 0116638 199.0231 160.4976  2.00557755 74809
GPS-0002
1 10893U 78 47  A 90116.05369709 -.00000025  00000-0  00000 0 0  1712
2 10893  64.4017 332.0315 0162961  26.0217 334.8263  2.00547101 87627
SeaSat 1
1 10967U 78064  A 90115.08815343  .00001631  00000-0  60762-3 0  2691
2 10967 108.0166 210.6015 0001571 286.1093  73.9880 14.35589812618832
GPS-0003
1 11054U 78093  A 90114.85067754 -.00000044  00000-0  00000-0 0 01963
2 11054 063.9697 328.4092 0058805 117.0875 243.5488 02.00565951084612
Nimbus 7
1 11080U 78098  A 90106.25930630  .00000151  00000-0  16622-3 0  6417
2 11080  99.2005  12.5767 0008160 250.2183 109.8090 13.83418079579474
GPS-0004
1 11141U 78112  A 90116.44393271  .00000008  00000-0  00000 0 0  3718
2 11141  63.6968  91.0243 0060592 316.7470  42.7491  2.00559485 83340
GPS-0005
1 11690U 80 11  A 90108.60679715  .00000009  00000-0  00000 0 0  9253
2 11690  64.1815  93.3452 0113493 204.2889 155.1592  2.00556558 89049
GPS-0006
1 11783U 80 32  A 90116.39415815 -.00000025  00000-0  00000 0 0  1221
2 11783  63.7429 327.8960 0152205  59.4569 302.0226  2.00567842 73280
GOES 5
1 12472U 81049  A 90115.82529768 -.00000222  00000-0  99999-4 0  9212
2 12472   3.3236  77.8906 0003822  75.7739 283.5483  1.00236714 31725
DE 1
1 12624U 81 70  A 90108.22137326  .00000009  00000-0 -18609-3 0  3648
2 12624  89.0759 148.5013 6209119 302.1968  12.2323  3.51022798260013
SME
1 12887U 81100  A 90110.05471340  .00051493  00000-0  10365-2 0  5671
2 12887  97.6441 154.1324 0001520 180.3612 179.7664 15.46432666472273
Salyut 7
1 13138U 82 33  A 90116.75055207  .00060315  00000-0  72695-3 0  2226
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2 13138  51.6038 203.9578 0001543   4.6565 355.4251 15.60198999456865
Cosmos 1383
1 13301U 82 66  A 90108.70571153  .00000152  00000-0  16672-3 0  5446
2 13301  82.9354 344.3785 0027657 328.7150  31.2348 13.67817871389547
LandSat 4
1 13367U 82 72  A 90116.83347774  .00000318  00000-0  75690-4 0  3211
2 13367  98.1691 180.3570 0001941 297.8305  62.2695 14.57135045413822
IRAS
1 13777U 83  4  A 90108.55115501  .00000438  00000-0  32833-3 0  7356
2 13777  99.0310 306.2616 0012429 184.5311 175.5781 13.98768568 38606
Cosmos 1447
1 13916U 83 21  A 90108.26500818  .00000161  00000-0  15928-3 0  6849
2 13916  82.9416  56.3528 0037609 309.0650  50.7175 13.74028158354443
TDRS 1
1 13969U 83 26  B 90101.84800313 -.00000208  00000-0  00000 0 0  9445
2 13969   4.3199  66.6757 0006902 263.4646  96.1837  1.00274607 92418
GOES 6
1 14050U 83 41  A 90116.00493748  .00000122  00000-0  99999-4 0  1714
2 14050   2.0981  78.8763 0002307  28.2592 331.8452  1.00269973  9744
OSCAR 10
1 14129U 83058  B 90113.89132819 -.00000212  00000-0  00000-0 0 04650
2 14129 026.0072 207.6261 5976994 137.3318 289.0408 02.05876902023628
GPS-0008
1 14189U 83 72  A 90116.46086552  .00000007  00000-0  99999-4 0  7518
2 14189  63.3346  89.5122 0147931 218.9888 139.9102  2.00707772 49725
LandSat 5
1 14780U 84 21  A 90116.65431724  .00001185  00000-0  27301-3 0  1717
2 14780  98.2091 177.4804 0002350  85.1499 275.0071 14.57127314327210
UoSat 2
1 14781U 84 21  B 90116.60058564  .00003238  00000-0  60846-3 0  7213
2 14781  97.9598 170.8393 0014662  53.8661 306.3966 14.65248326328411
GPS-0009
1 15039U 84 59  A 90110.06406071 -.00000039  00000-0  00000-0 0 08889
2 15039 063.0375 088.9138 0020760 243.2961 116.5272 02.00612761042873
Cosmos 1574
1 15055U 84 62  A 90107.95391887  .00000142  00000-0  14082-3 0  8379
2 15055  82.9574 106.7198 0028178 127.3072 233.0659 13.73342387291802
GPS-0010
1 15271U 84 97  A 90115.94485390 -.00000025  00000-0  00000 0 0  8213
2 15271  63.2079 327.4928 0106856 326.2191  33.1487  2.00575150 40106
Cosmos 1602
1 15331U 84105  A 90117.23707061  .00007366  00000-0  10149-2 0  2728
2 15331  82.5392  48.1206 0024741 135.1011 225.2204 14.77909869300566
NOAA 9
1 15427U 84123  A 90116.48713166  .00001073  00000-0  60033-3 0  5712
2 15427  99.1681 115.1201 0015642 150.8343 209.3707 14.12543254276686
Cosmos 1686
1 16095U 85 86  A 90109.83109340  .00120262  00000-0  14769-2 0  5522
2 16095  51.6022 238.7695 0002937 344.6365  15.0879 15.59394688256833
GPS-0011
1 16129U 85 93  A 90117.11820502  .00000007  00000-0  00000 0 0  5218
2 16129  63.8571  89.6034 0122243 149.7062 210.9764  2.00510827 33330
Mir
```

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1 16609U 86 17  A 90116.70972725  .00050656  00000-0  66704-3 0  6221
2 16609  51.6180 229.7630 0011709 215.4401 144.5906 15.57854602240063
SPOT 1
1 16613U 86 19  A 90116.77735613  .00001243  00000-0  60132-3 0  9217
2 16613  98.7041 191.8770 0001134  42.8312 317.2880 14.20055875 56636
Cosmos 1766
1 16881U 86 55  A 90117.07882555  .00005279  00000-0  73586-3 0  9711
2 16881  82.5163 107.3809 0023320 151.4091 208.8412 14.77394213201605
EGP
1 16908U 86 61  A 90 96.51913600  .00000014  00000-0  39817-3 0  1734
2 16908  50.0086 116.3154 0011133  15.7496 344.3683 12.44386633165932
NOAA 10
1 16969U 86 73  A 90116.54679325  .00001013  00000-0  46137-3 0  4212
2 16969  98.6062 145.6446 0014655  62.1032 298.1689 14.23569929187266
MOS-1
1 17527U 87 18  A 90117.07072903  .00001079  00000-0  82826-3 0  5219
2 17527  99.1107 190.2720 0000793 111.2120 248.9119 13.94867085162137
GOES 7
1 17561U 87 22  A 90116.70258189 -.00000048  00000-0  99999-4 0  5231
2 17561   0.0408 235.3545 0005416 167.1170 317.5442  1.00282772  4908
Kvant-1
1 17845U 87 30  A 90109.79258360  .00048875  00000-0  53248-3 0   585
2 17845  51.6146 264.5819 0013246  48.3701 311.9620 15.62803699175031
DMSP B5D2-3
1 18123U 87 53  A 90116.54135927  .00001274  00000-0  68922-3 0  5711
2 18123  98.8211 307.8365 0014492 166.2992 193.8596 14.13995329147103
RS-10/11
1 18129U 87 54  A 90116.90265851  .00000249  00000-0  26339-3 0  1711
2 18129  82.9299   6.4202 0010296 263.0467  96.9548 13.72083397142418
Meteor 2-16
1 18312U 87 68  A 90105.99259182  .00000219  00000-0  18868-3 0  3927
2 18312  82.5594 339.5995 0014041  67.2744 292.9899 13.83632168134381
Meteor 2-17
1 18820U 88  5  A 90110.23019825  .00000281  00000-0  24165-3 0  2176
2 18820  82.5403  36.5252 0017714 124.1702 236.1149 13.84317649112166
DMSP B5D2-4
1 18822U 88  6  A 90116.60509844  .00001306  00000-0  61487-3 0  4710
2 18822  98.6562 356.6912 0007763  62.7843 297.4163 14.21399945115493
AO-13
1 19216U 88051  B 90113.42572632  .00000000  00000-0  00000-0 0 00908
2 19216 057.0641 158.4767 6934566 225.7164 050.8411 02.09699361014254
OKEAN 1
1 19274U 88 56  A 90116.97974052  .00006169  00000-0  87271-3 0  7718
2 19274  82.5195 206.0944 0020647 291.6204  68.2567 14.76839214 97367
Meteor 3-2
1 19336U 88 64  A 90109.61247799  .00000391  00000-0  99999-3 0  4112
2 19336  82.5443 318.8846 0018156  95.5631 264.7495 13.16887141 83242
NOAA 11
1 19531U 88 89  A 90116.56579175  .00001389  00000-0  78479-3 0  2716
2 19531  98.9778  64.8281 0013123  71.2629 288.9968 14.11567532 81683
TDRS 2
1 19548U 88 91  B 90106.90620808  .00000131  00000-0  99999-4 0   830
2 19548   0.0836  54.7981 0001931 350.1664 315.0104  1.00276957  4835
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```
Cosmos 2001
1 19796U 89 11  A 90116.35011545 -.00001024  00000-0  99999-4 0  4512
2 19796  63.1475  99.4761 7111380 319.9083   5.0024  2.00611519  8767
GPS BII-01
1 19802U 89013  A 90111.62835293  .00000006  00000-0  00000-0 0 00785
2 19802 055.0974 199.6551 0058496 160.7029 199.5533 02.00562540008619
Akebono
1 19822U 89 16  A 90116.78356345  .00029044  00000-0  20714-2 0  5726
2 19822  75.1196 263.8731 4191717 254.5261  56.5678  7.07908459 29780
Meteor 2-18
1 19851U 89 18  A 90112.49996712  .00000191  00000-0  16080-3 0  1654
2 19851  82.5167 272.8214 0014497 155.0600 205.1265 13.83957625 57869
TDRS 3
1 19883U 89 21  B 90106.54616291 -.00000235  00000-0  99999-4 0   619
2 19883   0.0667  31.5154 0002589 299.4183  29.0615  1.00268426  3273
GPS BII-02
1 20061U 89 44  A 90109.81742704 -.00000032  00000-0  00000 0 0   598
2 20061  54.7509  18.1846 0082621 173.8123 186.3167  2.00561344  6321
Nadezhda 1
1 20103U 89 50  A 90110.04342582  .00000123  00000-0  11985-3 0   957
2 20103  82.9596 327.8684 0036663 198.4669 161.5161 13.73580821 39733
GPS BII-03
1 20185U 89 64  A 90109.28845028  .00000016  00000-0  99999-4 0   536
2 20185  54.9290 200.5997 0025017 143.3036 216.8936  2.00560378  4880
Activnyi
1 20261U 89 80  A 90116.71193789  .00005137  00000-0  16140-2 0  4724
2 20261  82.5906 261.2327 1259106  94.7811 279.7772 12.43627716 26198
Activnyi RB
1 20262U 89 80  C 90110.13747114  .00001686  00000-0  52548-3 0  1592
2 20262  82.5903 265.4283 1262202 109.6998 264.4478 12.43115762 25372
Magion 2
1 20281U 89 80  B 90116.69105764  .00005663  00000-0  17699-2 0  4723
2 20281  82.5890 261.1926 1258846  94.7302 279.8218 12.43854294 26190
GPS BII-04
1 20302U 89 85  A 90116.51024345 -.00000029  00000-0  99999-4 0  1216
2 20302  54.7286 319.1662 0035192 315.2323  44.5029  2.00412884  3835
Meteor 3-3
1 20305U 89 86  A 90109.89864068  .00000056  00000-0  12835-3 0   780
2 20305  82.5468 259.1001 0017217 111.0327 249.2645 13.15855220 23285
COBE
1 20322U 89 89  A 90110.11081713  .00004773  00000-0  31585-2 0   745
2 20322  99.0156 120.9310 0008487 162.3206 197.8253 14.01845818 21350
Kvant-2
1 20335U 89 93  A 90109.79256568  .00048824  00000-0  53248-3 0  1767
2 20335  51.6125 264.5842 0011621  48.8061 311.4398 15.62803047 22632
GPS BII-05
1 20361U 89 97  A 90116.28723082  .00000015  00000-0  99999-4 0   710
2 20361  54.9712 142.3764 0056879  56.4485 304.2335  2.00577889  2688
SPOT 2
1 20436U 90  5  A 90116.81264057 -.00001436  00000-0 -66684-3 0  1710
2 20436  98.7352 191.9637 0001138  90.9291 269.1940 14.20010116 13450
UO-14
1 20437U 90  5  B 90116.48818924  .00001049  00000-0  43399-3 0  1213
```

```
2 20437  98.7008 192.7455 0010906 310.5347  49.4907 14.28582245 13482
UO-15
1 20438U 90  5  C 90110.26848195  .00000429  00000-0  18791-3 0   440
2 20438  98.7022 186.5320 0010726 326.8484  33.2034 14.28329284 12598
PACSAT
1 20439U 90  5  D 90117.25218696  .00000998  00000-0  41255-3 0   716
2 20439  98.7090 193.5762 0011354 306.7230  53.2915 14.28687896 13593
DO-17
1 20440U 90  5  E 90110.24658684  .00000763  00000-0  31956-3 0   341
2 20440  98.7027 186.5808 0011731 329.6621  30.3909 14.28709205 12592
WO-18
1 20441U 90  5  F 90110.23976607  .00000642  00000-0  27053-3 0   326
2 20441  98.7049 186.5869 0012452 330.2534  29.7992 14.28813404 12597
LO-19
1 20442U 90  5  G 90117.09791993  .00000993  00000-0  40888-3 0   714
2 20442  98.7070 193.4485 0012241 309.2370  50.7749 14.28900031 13579
GPS BII-06
1 20452U 90  8  A 90103.54117547  .00000000  00000-0  99999-4 0   313
2 20452  54.6181 258.6046 0031593  42.5005 324.8619  2.00878562  1549
MOS-1B
1 20478U 90 13  A 90116.73808703 -.00008750  00000-0 -65282-2 0  2223
2 20478  99.1910 187.1677 0001288 136.8498 223.2490 13.94811563 10966
FO-20
1 20480U 90 13  C 90110.07837252  .00000107  00000-0  28979-3 0   236
2 20480  99.0469 167.5457 0541608 180.0821 180.0272 12.83127493  9292
1990 013D
1 20491U          90110.14858384 0.00000490           97196-3 0   299
2 20491  99.0466 169.6356 0471060 167.0772 194.2909 13.02729416  8845
Soyuz TM-9
1 20494U 90 14  A 90109.85651287  .00048913  00000-0  53248-3 0   849
2 20494  51.6214 264.2542 0013708  47.7125 312.5388 15.62815214 10567
Nadezhda 2
1 20508U 90 17  A 90110.08452257  .00000137  00000-0  13549-3 0   230
2 20508  82.9491 102.7480 0045559 145.8090 214.6037 13.73197890  7038
OKEAN 2
1 20510U 90 18  A 90116.91169285  .00003535  00000-0  54539-3 0  1216
2 20510  82.5257 144.9387 0021925  81.1910 279.1724 14.72993498  8527
1990 018B
1 20511U          90 89.05320873 0.00001995           30621-3 0   194
2 20511  82.5291 170.5611 0021053 166.6080 193.5693 14.73029041  4424
Progress M3
1 20513U 90 20  A 90109.79257418  .00048891  00000-0  53248-3 0   631
2 20513  51.6193 264.5825 0013366  45.9608 314.3147 15.62809033  7794
INTELSAT-6
1 20523U 90 21  A 90116.84102621  .00007330  00000-0  51890-3 0  1222
2 20523  28.3489 240.3513 0016780 351.7148   8.2954 15.02879102  6714
Cosmos 2060
1 20525U 90 22  A 90116.74325817  .00006881  00000-0  11809-3 0  1224
2 20525  65.0254 293.0192 0009915 265.8547  94.0928 15.51981409  6691
Cosmos 2061
1 20527U          90110.23391170 0.00000127           12989-3 0   209
2 20527  82.9406 188.7193 0030435 184.8026 175.2840 13.71244824  4285
1990 023B
```

```
1 20528U          90110.20194283 0.00000346          36590-3 0   367
2 20528  82.9412 188.6967 0024985 171.7402 188.4165 13.72640645  4274
GPS BII-07
1 20533U 90025  A 90110.57836302  .00000110  00000-0  00000-0 0 00188
2 20533 055.0640 018.2742 0033540 098.8964 261.5170 02.00593435000449
1990 025C
1 20535U 90 25  C 90108.98409874  .00213228  16945-4  24598-2 0   356
2 20535  37.6037 358.2327 5984417 222.2562  71.6084  4.16988491  1009
1990 026A
1 20536U 90 26  A 90116.12195083 -.00001171  00000-0  99999-4 0   721
2 20536  62.9279  20.3454 7361999 318.4504   4.7846  2.00609344   603
1990 026D
1 20539U 90026  D 90110.88456834  .00000773  00000-0  00000-0 0 00160
2 20539 063.1214 020.8448 7338909 318.6610 004.6690 02.03002782000524
Offeq 2
1 20540U 90 27  A 90117.03572506  .00507757 -13045-4  14581-2 0   727
2 20540 143.1950 225.6181 0838110 237.0636 114.6523 14.26451050  3338
1990 027B
1 20541U 90 27  B 90117.18406567  .00924984 -59352-4  21307-2 0   727
2 20541 143.2100 227.9747 0776338 240.2031 111.9279 14.42830283  3377
PegSat
1 20546U 90 28  A 90116.72415632  .00017054  00000-0  10897-2 0   718
2 20546  94.1221 187.7807 0152893 156.5306 204.8195 14.99373113  3126
1990 028B
1 20547U 90028  B 90112.10433281  .00000000  00000-0  00000-0 0 00195
2 20547 094.1445 185.3860 0129670 169.0219 191.4501 14.95288467002435
Cosmos 2064
1 20549U          90110.23457710 0.00000049          38743-3 0    92
2 20549  73.9806 231.8054 0017314 250.5822 109.3356 12.47017836  1768
Cosmos 2065
1 20550U          90110.21230773 -.00000006                    0   130
2 20550  73.9823 231.7973 0008823 287.7390  72.2698 12.48997748  1762
Cosmos 2066
1 20551U          90110.25454095 -.00000007                    0   119
2 20551  73.9812 231.3537 0049265  63.9769 296.6347 12.59478510  1780
Cosmos 2067
1 20552U          90110.27435350 -.00000007                    0    81
2 20552  73.9807 231.3908 0039640  72.4035 288.1343 12.57707524  1784
Cosmos 2068
1 20553U          90110.21335207 -.00000007                    0    97
2 20553  73.9819 231.5132 0030743  66.5764 293.8518 12.56043041  1779
Cosmos 2069
1 20554U          90110.23266137 -.00000007                    0    95
2 20554  73.9817 231.5871 0021672  64.1430 296.1855 12.54314899  1773
Cosmos 2070
1 20555U          90110.25204606 -.00000353         -22019-2 0    82
2 20555  73.9806 231.5795 0013174  50.5188 309.7024 12.52581596  1771
Cosmos 2071
1 20556U          90110.27292000 -.00000006                    0    98
2 20556  73.9809 231.6567 0002428  70.9612 289.1702 12.50727511  1772
1990 029J
1 20557U          90110.26766926 0.00001050          95280-2 0   143
2 20557  73.9838 232.6071 0147895 252.7747 105.7055 12.22763073  1735
```

```
AsiaSat-1
1 20558U 90030  A 90109.95125364  .00000000  00000-0  00000-0 0 00199
2 20558 000.1754 295.8654 0000936 185.4682 174.5339 01.00271649000169
1990 030B
1 20559U 90030  B 90112.62306124  .00018418  00000-0  00000-0 0 00195
2 20559 031.2644 018.4601 7334989 187.1405 148.7122 02.22358248000340
FOTON 3
1 20566U 90 32  A 90117.11728503  .00188500  10873-4  22179-3 0   741
2 20566  62.7976 344.6680 0101010 113.5361 247.6468 15.98691989  2455
Cosmos 2072
1 20568U 90 33  A 90117.09527623  .00302515  45656-4  44892-3 0   737
2 20568  64.7605 111.2281 0044118  84.3982 276.1451 16.02599713  2145
Palapa-B2R
1 20570U 90034  A 90111.86548899  .00000000  00000-0  00000-0 0 00103
2 20570 000.0686 279.5496 0027914 214.4231 145.3782 01.00285141000044
1990 034B
1 20571U 90034  B 90111.92939742  .00000198  00000-0  00000-0 0 00087
2 20571 022.7534 309.3351 0629682 243.8549 109.5971 13.81925773001102
1990 034C
1 20572U 90034  C 90111.56624434  .00055420  00000-0  00000-0 0 00108
2 20572 018.9025 357.1525 7397719 183.9862 161.8123 02.16460324000179
Cosmos 2073
1 20573U 90035  A 90113.05791580  .00108778  00000-0  00000-0 0 00164
2 20573 082.3590 345.1061 0044296 078.4256 282.2634 16.06214990000929
Cosmos 2074
1 20577U 90036  A 90111.93013618  .00000000  00000-0  00000-0 0 00061
2 20577 082.9518 156.1244 0026627 286.4892 073.3882 13.73708287000165
1990 036B
1 20578U 90 36  B 90114.69421444 -.00022896  00000-0 -24161-1 0   411
2 20578  82.9439 154.0749 0018650 266.7193  93.1826 13.74993589   538
HST
1 20580U 90 37  B 90115.92007935 -.00019413  00000-0 -22999-2 0   416
2 20580  28.4631 222.0038 0005784 272.7940  87.2151 14.84112255   202
1990 038A
1 20581U 90 38  A 90116.78109843 -.00006147  00000-0 -26550-3 0   423
2 20581  74.0245  53.8621 0022665 342.6724  17.2655 15.22105677   196
1990 038B
1 20582U 90 38  B 90116.51720592  .00008573  00000-0  35468-3 0   415
2 20582  74.0295  54.4094 0028717 351.2431   8.8163 15.23697165   153
1990 039B
1 20584U 90 39  A 90117.27296501  .00653596  80797-5  15066-2 0   452
2 20584  62.7805 183.8538 0249470 122.2252 240.3292 15.60561554   186
1990 039C
1 20585U 90 39  C 90117.08647909  .00784212  35202-4  12165-2 0   440
2 20585  62.8216 184.4190 0314158 116.0878 247.4949 15.51952499   163
--
Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology
```

```
From 5068764586510749619
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ceaeac98a0e68a33,start
```

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-30 04:44:53 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!ucsd!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletin Format
Message-ID: <9005010704.AA02593@ucbvax.Berkeley.EDU>
Date: 30 Apr 90 11:44:53 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 69
Posted: Mon Apr 30 12:44:53 1990

As a service to the satellite user community, the following description of the NASA Prediction Bulletin's two-line orbital element set format is uploaded to sci.space on a monthly basis. The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

Data for each satellite consists of three lines in the following format:

```
AAAAAAAAAAA
1 NNNNNU NNNNNAAA NNNNN.NNNNNNNN +.NNNNNNNN +NNNNN-N +NNNNN-N N NNNNN
2 NNNNN NNN.NNNN NNN.NNNN NNNNNNN NNN.NNNN NNN.NNNN NN.NNNNNNNNNNNNN
```

Line 1 is a eleven-character name.

Lines 2 and 3 are the standard Two-Line Orbital Element Set Format identical to that used by NASA and NORAD. The format description is:

Line 2

Column	Description
01-01	Line Number of Element Data
03-07	Satellite Number
10-11	International Designator (Last two digits of launch year)
12-14	International Designator (Launch number of the year)
15-17	International Designator (Piece of launch)
19-20	Epoch Year (Last two digits of year)
21-32	Epoch (Julian Day and fractional portion of the day)
34-43	First Time Derivative of the Mean Motion or Ballistic Coefficient (Depending on ephemeris type)
45-52	Second Time Derivative of Mean Motion (decimal point assumed; blank if N/A)
54-61	BSTAR drag term if GP4 general perturbation theory was used. Otherwise, radiation pressure coefficient. (Decimal point assumed)
63-63	Ephemeris type
65-68	Element number

69-69	Check Sum (Modulo 10) (Letters, blanks, periods = 0; minus sign = 1; plus sign = 2)

Line 3

Column	Description
01-01	Line Number of Element Data
03-07	Satellite Number
09-16	Inclination [Degrees]
18-25	Right Ascension of the Ascending Node [Degrees]
27-33	Eccentricity (decimal point assumed)
35-42	Argument of Perigee [Degrees]
44-51	Mean Anomaly [Degrees]
53-63	Mean Motion [Revs per day]
64-68	Revolution number at epoch [Revs]
69-69	Check Sum (Modulo 10)

All other columns are blank or fixed.

Example:

```
NOAA 6
1 11416U          86 50.28438588 0.00000140           67960-4 0  5293
2 11416  98.5105  69.3305 0012788  63.2828 296.9658 14.24899292346978
```

Note that the International Designator fields are usually blank, as issued in the NASA Prediction Bulletins.

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

From 2548837826895707117
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,69e59d4f9cf95e9a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-30 07:33:00 PST
Path: gmdzi!unido!mcsun!uunet!dg!lewine
From: lewine@dg.dg.com (Don Lewine   )
Newsgroups: rec.ham-radio
Subject: Re: Rohn crank up towers?
Message-ID: <411@dg.dg.com>
Date: 30 Apr 90 14:33:00 GMT
References: <1990Apr20.043557.315@mousetrap.canton.mi.us>
Reply-To: uunet!dg!lewine (Don Lewine   )
Organization: Data General, Westboro, MA.
Lines: 14
Posted: Mon Apr 30 15:33:00 1990

In article <1990Apr20.043557.315@mousetrap.canton.mi.us>
bill@mousetrap.canton.mi.us (William S. Johnston) writes:
>I recently purchased a Rohn crank up tower from a local community
>college that has not used it in many years. The tower is in

>great shape but I need a base or at least some specifications
>on the tower. I called Rohn and could find no one that knew any
>thing about the tower.

I have some old ROHN catalogs (back to 1975) and there is not a single crank-up tower. In fact, there is a flame about how unsafe crank-up towers are and why you should by ROHN instead. This leads me to wonder if your tower is a real ROHN. Does it say "ROHN"? Maybe you would have better luck contacting Hy-gain.

-- WB2UMF

From -7996687352865305476
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9dab1f0b8b1b2fe5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-30 08:06:00 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp!deimos.cis.ksu.edu!rutgers!
cs.utexas.edu!usc!ucsd!ucbvax!SMCVAX.BITNET!GOODWIN
From: GOODWIN@SMCVAX.BITNET
Newsgroups: rec.ham-radio
Subject: Help with QSL info
Message-ID: <9005010705.AA02688@ucbvax.Berkeley.EDU>
Date: 30 Apr 90 15:06:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 27
Posted: Mon Apr 30 16:06:00 1990

As a new ham (2.5 weeks!), I don't yet own the various callbooks and other necessities of DX life. Consequently, I was wondering if anyone out there in netland could help with a few addresses:

DF8WS
EL7X
HB9AQW
K1VV
KB8ANX

If anyone could look these up in a callbook for me, I'd be most appreciative. In fact, DF8WS was my first non-US QSO, so holds some special interest for me. Thanx in advance to anyone who can help out... 73s

```
==========================================================================
Dave Goodwin                                  |
Coordinator, PC Support/User Services         | To err is human.
VAX System Manager                            | To really foul things up,
----------------------------------------------| You need a computer.
BitNet/CREN : Goodwin@Smcvax                  |
Ma Bell     : (802)655-2000 X2220             |
Pony Express: Saint Michael's College         |
              Department of Computer Services |
             Winooski Park                  |
             Colchester, VT 05439           |
Ham Radio   : KA1VLJ/AG                     |
==========================================================================
```

From -5635959168368056137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c2540647781f8b9e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-05 13:30:04 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!UTRCGW.UTC.COM!RJA%UTRC
From: RJA%UTRC@UTRCGW.UTC.COM (RICH)
Newsgroups: rec.ham-radio
Subject: Re: WB2UMF comments on ARRL file format
Message-ID: <9004041740.RJA%UTRC@utrcgw.utc.com>
Date: 4 Apr 90 22:40:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 81
Posted: Wed Apr 4 23:40:00 1990

In response to WB2UMF's comments on the ARRL file format for contest logs:

>   All of my logs are kept by computer using software that I have
> written. I have no problem formatting a floppy in the format that you
> request. My question is why should I bother? It might take me a day
> to write the code and I would have to copy the files off my UNIX
> system onto an IBM PC to write the floppy. All for zero gain. And I
> don't even get the floppy back. Why should I go to that bother
> instead of just printing a log on my laser printer?
>   To attempt to answer my own question, there are several things
> at would motivate me to send in an electronic log and even pay for
> the chance to do it. First, if it were required for stations with
> over say 500 QSOs. This might cut down the competition. A more
> positive reason would be getting an audited log back. I would be
> happy to pay $10 to $20 to get back a floppy with my cross checked
> QSOs. A simple flagging of unique QSOs would be of value.

Your raise some very valid points. We ruled out any requirement for submitting logs on diskette, simply because not everyone uses a computer or even has access to one, especially DX stations. However, we are considering various proposals for offering incentives to submit logs on diskette. I think yours is a good one - in fact the CQ Contest Committee will return anyone's submitted log on disk with a list of uniques and the average unique rate for that class of entry. They also reduce the penalty for busted calls and unmarked dupes if logs are submitted on disk.

> First, you say, "aligned by column", what does that mean? I assume
> that you mean in fixed width columns padded (on the right or left?)
> with ASCII blanks and with a single blank between columns. How about

> a comma between columns?

Yes, that's exactly what we meant. "Aligned by column" would allow the log checking staff to "screen" each log as at comes in and to assign columns to each piece of data, assuming that data item (and no other data item) is always located within the assigned field . The alternative would have been to read each line and look for a data delimiter, such as a space, tab or comma. The majority of log submissions are formatted in columns. The left or right justification doesn't matter, as long as the data is contained within the assigned columns. The reason for specifying 15 columns for the call is because that is the maximum envisioned length of a call (e.g., FG/KA1XYZ/FS/m). It would be desirable to have the total column width under 80 characters, though not absolutely necessary.

> The statement "Complete exchange sent" and "Complete exchange
> rcvd" is not very specific. What about contest like SS where there
> are long exchanges? Should there be blanks in this column making it,
> in effect, multiple columns or do you want something like
> 123BWB2UMF65EMA as one hunk?

Again, as long as each data item was "lined up" by column it would be OK. Maybe a better choice of words is needed instead of "aligned by column", which could be misinterpreted. Any suggestions from anyone?

> While there may be a few popular logging programs that many
> people will use, some of us will want to roll our own. You need to
> specify EXACTLY what the ARRL will and will not accept. I have been
> writing software for 30 years and the single largest cause of problems
> is lack of a clear statement of what is wanted. Do not assume that
> the world of amateur programmers out there will know what you mean.

Yes, we didn't want to discourage anyone from "rolling their own". Ironically, we started off proposing a very rigid ASCII format and subsequently decided to "loosen up" the format in order not to discourage anyone from submitting a log on disk. I agree that the specification needs to be reworded in order to make it "perfectly clear" what's required. The proposed policy on accepting other formats is that they will be accepted, but must be accompanied by a paper log. However, we hope that simplicity of the proposed format will encourage submissions in that format. Regarding non-MS DOS, there's a 24-hour BBS is available for use in submitting logs, and may be an attractive alternative for people like you who make less than several thousand contacts - hi! All you need to do then is send a signed paper summary sheet in the mail.

Any comments received will be passed along to the ARRL Contest Advisory Committee, all other contest-related comments are welcome... An SASE with 85 cents postage to my Callbook address will bring you copies of CAC correspondence related to the file formats, including the proposed format.

Rich Assarabowski K1CC
CAC Chairman
RJA%UTRC@utrcgw.utc.com

From 2051250606398477501
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ebd7fa11e62df441
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-05 16:24:08 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!cs.utexas.edu!mailrus!iuvax!pewter!commgrp
From: commgrp@pewter.ucs.indiana.edu
Newsgroups: rec.ham-radio
Subject: Re: Litz wire (long)
Message-ID: <12600093@pewter>
Date: 5 Apr 90 14:26:00 GMT
Organization: Indiana University CSCI, Bloomington
Lines: 29
Nf-ID: #N:pewter:12600093:000:1277
Nf-From: pewter.ucs.indiana.edu!commgrp   Apr 5 09:26:00 1990
Posted: Thu Apr 5 15:26:00 1990

>I had thought that Litz wire was the stuff used for the cords of old-
>fashioned headphones, mostly because it was limp. Is this true? Is
>that difficult-to-solder stuff used for cheap earphones Litz wire?

No, that frustrating stuff is called _tinsel_ wire. It's completely different from Litz, and is used in telephone cords because it is designed to not break with repeated flexing. It's usually used with crimped connectors. The only way I've been able to solder the stuff is to laboriously unwrap each little flat strand of copper (bronze?) from its fiber core, then twist them together and use solder flux.

>I recently went looking for a crystal earphone for a project which
>needed a high-efficiency, high-impedance audio output. Surprise!
>Nobody makes those anymore. They're impossible to find...
>I guess that means kids won't be able to build simple crystal radios
>anymore :-(

High-impedance earphones went the way of vacuum tubes, but it should be possible to make excellent and sensitive earphones with the piezoelectric substances now available. I'm also looking for some nonmagnetic earphones to use with my 3.5kHz "cave radio" because feedback from phones to loop antenna is a problem.

--

Frank   W9MKV   reid@ucs.indiana.edu

From -5233472885988596851
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ebd7fa11e62df441
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 105d97,ebd7fa11e62df441
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-04-05 19:17:30 PST
Path: gmdzi!unido!mcsun!uunet!optilink!elliott
From: elliott@optilink.UUCP (Paul Elliott x225)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Litz wire (long)
Summary: Tinsel wire
Message-ID: <3368@optilink.UUCP>
Date: 5 Apr 90 18:41:09 GMT
References: <40251@iuvax.cs.indiana.edu> <28533@cup.portal.com>
Organization: Optilink Corporation, Petaluma, CA
Lines: 19
Xref: gmdzi sci.electronics:6090 rec.ham-radio:10684
Posted: Thu Apr 5 19:41:09 1990

In article <28533@cup.portal.com>, mmm@cup.portal.com (Mark Robert Thorson) writes:

> I had thought that Litz wire was the stuff used for the cords of old-
> fashioned headphones, mostly because it was limp. Is this true? Is that
> difficult-to-solder stuff used for cheap earphones Litz wire?

This stuff is commonly called "tinsel wire". It is used where the cable will be subjected to lots of flexing, so you find it in guitar cords (the coiled kind) and in older telephone handset cords. It is not the same as Litz wire, since the individual conductors are not insulated (although it probably would work similarly, due to the insulating fiber filler and the tinsel-like shape of the conductors).

Most of time the connections are crimped, and I hope I never have to solder tinsel wire again.

--
Paul M. Elliott   Optilink Corporation   (707) 795-9444
{uunet, pyramid, pixar, tekbspa}!optilink!elliott
"Less than perfect, that's what I've been striving for all along."

From -4360218970118627995
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fbcfae41cccdd021
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-05 20:15:44 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!samsung!sdd.hp.com!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: HF Transceiver to drive transverter.
Message-ID: <1250141@hpnmdla.HP.COM>
Date: 5 Apr 90 16:12:57 GMT
References: <04.Apr.90.11:14:03.BST.#9795@UK.AC.NWL.IA>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 37

Posted: Thu Apr 5 17:12:57 1990

I found myself trying to make a similar decision about a year ago. I was replacing a previous station which had been robbed and I wanted a multimode transceiver to drive my transverter array; I have a 50 MHz through 10 GHz phase locked "transverter stack" (Feb/Jun/Oct 1988 HR Magazine) and wanted something to drive it with. Since I'm getting old and don't learn new interfaces as easily I wanted to buy two of the same radios. That way I could operate two vhf-microwave bands simultaneously, or liaison for a vhf-microwave schedule on HF without getting confused about which button to push.

I ended up getting two IC735s. The 725 was available as was the TS440 but I wanted passband tuning which the 735 doesn't have and Kenwood seems to have forgotten about transverter support on their newer radios (:>[
By cutting two diodes I get general coverage transceive out the transverter output.

The performance of the 735s seems to be a good deal better than any tube type transceivers I've ever owned including two Drake Lines and an R4(solid state). Third order intercept, dynamic range and spurious performance seems very competetive and phase noise is also acceptable. The 735 is specified better than the newer DDS Icom radios too.

They aren't perfect radios but I've had one of them running full time for over a year driving a 2M transverter (on packet) with no failure.

Hope this helps.

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From -7129763821943548175
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,885ba9cbf26aa022,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-05 20:32:48 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!sanford
From: sanford@ucsd.Edu (Mike Sanford)
Newsgroups: rec.ham-radio
Subject: College and Univ Net and San Diego Crew Classic
Message-ID: <12947@ucsd.Edu>
Date: 5 Apr 90 21:31:22 GMT
Organization: U.C. San Diego

Lines: 24
Posted: Thu Apr 5 22:31:22 1990

This weekend on the College and University Net, we are going to try to have a special event station set up in San Diego at the Crew Classic to attempt to pass traffic and messages for the various colleges and universities that are participating. I will try to be on the air at 1800Z on 28.425.   Hopefully the conditions (weather and RF) will be satisfactory for the event. If you want to be involved in this, please tune in this Saturday. Please note, we are trying to get this setup in a hurry, so if things dont work out, please continue on with the net as normal. I will try to call with my callsign (N6WUY).   This is also not sanctioned by anyone, so we are just going to wing it. If you have any questions please REPLY by email not the net.
I will check my e-mail regularly. You can mail to any of the addresses below.

Talk to you this weekend (hopefully). 73 de Mike

```
_______________________________________________________________________________
Mike Sanford          (619) 534-4870   |Internet:     sanford@ssurf.ucsd.edu
Scripps Institution of Oceanography    |BITnet:       msanford@ucsd.bitnet
University of California,  San Diego   |UUCP:         ...!ucsd!ssurf!sanford
A-030-SSURF                            |SPAN/DECnet:  SSURF::SANFORD
La Jolla, CA 92093   USA               |HAM Callsign: N6WUY
_______________________________________|_______________________________________
              Why do you park on a driveway and drive on a parkway?
```

From 1005745708452370524
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cb2027c28dfac347,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-05 23:02:55 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!nic.MR.NET!thor.acc.stolaf.edu!bartsch
From: bartsch@thor.acc.stolaf.edu (Eric A. Bartsch)
Newsgroups: rec.ham-radio
Subject: Mods for Bearcat 210xl
Summary: Looking for extended rx mods for 210xl
Message-ID: <11890@thor.acc.stolaf.edu>
Date: 5 Apr 90 21:37:07 GMT
Reply-To: bartsch@thor.acc.stolaf.edu (Eric A. Bartsch)
Organization: St. Olaf College; Northfield, MN
Lines: 13
Posted: Thu Apr 5 22:37:07 1990

I own an old Bearcat 210xl scanner which I bought back in 1985. With all the discussion of extended receive modifications available for various scanners, I began to wonder if anyone has ever modified their 210xl, especially since it has rather limited scanning ranges.

There are no mods posted to any MODS databases that I am aware of. Post or email replies. Thanks.

```
--
================================================================================
Eric A. Bartsch  N0JVP                                    Senior
St. Olaf College                                          Philosophy/Political Science
Northfield, MN  55057                                     bartsch@thor.acc.stolaf.edu
```

```
From 8627042106576488181
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fe2dbd76acb4f9e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-05 23:18:27 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
samsung!cs.utexas.edu!asuvax!ncar!umigw!mthvax!wb8foz
From: wb8foz@mthvax.cs.miami.edu (David Lesher)
Newsgroups: rec.ham-radio
Subject: Re: Aargh! Want address/info to get Heathkit catalog
Message-ID: <1990Apr5.233616.27095@mthvax.cs.miami.edu>
Date: 5 Apr 90 23:36:16 GMT
References: <9004050713.AA04122@ucbvax.Berkeley.EDU>
Reply-To: wb8foz@mthvax.cs.miami.edu (David Lesher)
Organization: NRK Clinic for habitual NetNews abusers
Lines: 12
Posted: Fri Apr  6 00:36:16 1990
```

>As a side issue, does anyone out there know when Heath started? The
>catalog doesn't say.

Seems to me, Heath started out selling AIRPLANES! The founder
died in a crash, I recall.

```
--
A host is a host from coast to coast.....wb8foz@mthvax.cs.miami.edu
& no one will talk to a host that's close............(305) 255-RTFM
Unless the host (that isn't close)......................pob 570-335
is busy, hung or dead....................................33257-0335
```

```
From 6748766884940465077
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b4ef69bc106278d7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-05 23:28:47 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!samsung!brutus.cs.uiuc.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Micrwave
Message-ID: <30500491@ux1.cso.uiuc.edu>
Date: 6 Apr 90 00:39:22 GMT
```

References: <4119@tekfdi.FDI.TEK.COM>
Lines: 10
Nf-ID: #R:tekfdi.FDI.TEK.COM:4119:ux1.cso.uiuc.edu:30500491:000:375
Nf-From: ux1.cso.uiuc.edu!phil   Apr 5 13:19:00 1990
Posted: Fri Apr 6 01:39:22 1990

Can someone post the microwave bands other countries are authorized to use?

(not just the ones on other regions, but rather exactly what the PTT in those countries have authorized to hams)

Enquiring minds want to know.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -6006171227669552510
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f083d4acde49e477,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 04:50:25 PST
Path: gmdzi!unido!mcsun!uunet!ingr!b11!bill
From: bill@b11.ingr.com (Bill Welch)
Newsgroups: rec.ham-radio
Subject: beginner projects for radio amateurs (looking for)
Keywords: simple rcvrs & transmitters
Message-ID: <7784@b11.ingr.com>
Date: 6 Apr 90 04:39:55 GMT
Organization: ZAIAZ INTERNATIONAL
Lines: 32
Posted: Fri Apr 6 05:39:55 1990

I am fairly new to amateur radio (licensed last november), and am interested in building some simple "rigs". My main purpose is to gain some practical experience in working with transistors, analog circuits, and radio circuits in particular.

I would like to hear from any of you that have similar interests, (especially you elmers out there :-).

I would also like to hear recommendations about books, magazines, etc. Also recommendations on mail-order part supply houses, as I am not close to any large metro areas. For example, a couple of the projects call for an audio transformer (10k to 2k), and I haven't had any luck finding it locally.

I have access to the following books:
Solid State Basics for the Radio Amateur - ARRL (this is is just about right for me, albeit a little old, eg no WARC bands)
Solid State Design for the Radio Amateur - ARRL (probably great, but over my head right now)

Understanding Amateur Radio - ARRL (good, but tries to cover a lot of material in one book)
QRP Notebook - ARRL (looks really neat, but it assumes the reader is already pretty comfortable transistors, etc)

Note: The fact that some of the above books are over my head doesn't mean that the books aren't good-- they just aren't aimed at beginners.

So, I would sure like to hear from you folks out there. By email, or on the air sometime. I'd love to tune in to a nice discussion on building QRP rigs, etc. I operate on 80, 40, 20, 15, and 10M.

Thanks in advance! de kc4mxj   bill welch uunet!ingr!bill

From 2276635927023784138
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e23d8df49c00ece,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 04:50:41 PST
Path: gmdzi!unido!mcsun!uunet!ingr!b11!bill
From: bill@b11.ingr.com (Bill Welch)
Newsgroups: rec.ham-radio
Subject: how to achieve 20WPM ?
Keywords: this really is about increasing cw speed :-)
Message-ID: <7785@b11.ingr.com>
Date: 6 Apr 90 04:48:12 GMT
Organization: ZAIAZ INTERNATIONAL
Lines: 14
Posted: Fri Apr 6 05:48:12 1990

I have spent a lot of time trying to increase my speed, and am not too pleased with the results. I would sure like to hear from some of you out there who have already passed the 20wpm mark. What method did you use? Computer programs? Tapes? What speeds? What type of text did you practice with?

I used the computer for my initial training and Novice test, then switched to cassette tapes-- recordings (from the computer) of simulated QSOs, the 30 most frequently used English words, etc.

Thanks in advance! de kc4mxj bill welch uunet!ingr!bill

p.s. if you want to discuss code vs no-code, please post your own article, and change the subject line! :-)

From -1739478074346458617
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f570058bfbe30d94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 06:22:32 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!

elroy.jpl.nasa.gov!peregrine!ccicpg!cci632!dvh
From: dvh@cci632.UUCP (David Hallidy)
Newsgroups: rec.ham-radio
Subject: Re: Where am I?
Message-ID: <35760@cci632.UUCP>
Date: 6 Apr 90 13:22:32 GMT
References: <B48374BECDFFA01CC6@uwplatt.edu>
Organization: Computer Consoles Inc. An STC Company, Rochester NY
Lines: 38
Posted: Fri Apr 6 14:22:32 1990

In article <B48374BECDFFA01CC6@uwplatt.edu>, UCSBPM@UWPLATT.EDU ("Brian P. McCarty
", N9IWP) writes:
> I am making QSL cards and am trying to find out what grid square
> my home QTH is in. The city (village) is Sister Bay, WI
> Looking on a 15' topographic map, I estimated :
> 40 deg, 11.5' N, 87 deg, 7' W
> But looking at the National Atlas of the US (published by the gov't) says
> 45 deg, 11.3' N, 87 deg 7.3' W
> I dunno if this is city (village) hall or not, but
> a) Sister Bay isn't all that big
> b) I live pretty close to village hall
> I know there was an article in the (aug 89?) issue of QST, but all the 89
> issues are missing at the library. I would like to know how to find out my
> grid square and/or what it is. I really want my SIO (oops)
> SIX digit grid square (yes, 6, and yes, I am wierd)

Brian-
I hope this helps. The QST article which describes how to determine
in which Grid Square you reside, was titled "VHF/UHF Century Club
Awards" by John Lindholm, W1XX and was published in the January, 1983
issue on pages 49-51.

By the way, you're either in EN60ke (40 deg, 11.5' N by 87 deg, 7' W) or
                             EN65ke (45 deg, 11.3' N by 87 deg, 7.3' W).

I suspect the latter, because my geography is relly screwed up, I don't
see how any part of Wisconsin could be much
further South than azimuth 270 deg from my QTH here in Rochester (FN13fb,
lat. 43.07 N by long. 77.54 W).

By the way, there may be others interested in determining their grid
locator, and I had to spend a fair amount of time looking through QST
indices to find the article, so I thought I'd post this to help their
search, as well.

73

Dave KD5RO/2

From -5530937093643572816

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f7e105caa6d267fe
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 06:22:38 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!ames!pasteur!ucbvax!WPI.WPI.EDU!jwhitson
From: jwhitson@WPI.WPI.EDU (John C Whitson KB2GNC)
Newsgroups: rec.ham-radio
Subject: Second Annual Open House at WPI / W1YK
Keywords: FUN! Contacts! Saturday! W1YK
Message-ID: <9004061422.AA04099@wpi.wpi.edu>
Date: 6 Apr 90 13:22:38 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 31
Posted: Fri Apr 6 14:22:38 1990

On April 7, 1990, at Worcester Polytechnic Institute in Worcester, Massachusetts, the WPI Wireless Association will be holding The Second Annual Open House in its Ham Shack. It will run from 10:00 AM to 4:00 PM (EST). We will be working on many bands (160m - 10m, 2m, 440MHz, as propagation permits), and in many modes. The Club Station, W1YK, is excellently situated on the roof of Salisbury Laboratories, which is one of the buildings on the top of a large hill where WPI is located.

Come and help us celebrate our 81st Anniversary!

New Information

In addition, W1YK will be trying to WAS on as many bands as possible, so if you can't be there, listen for us! Talk-In Frequency of 146.925 (-). It is supposed to snow a bit, BUT THAT WON'T STOP US! And we hope it won't stop you!!!!!

Humerous Section

BRING WOMEN!! The Male/Female Ratio at WPI is 7/1, and there are NO female members at the Radio Club!! We've got SATELLITE capability! Come and get spaced-out!! Come anyway!! PLEASE!! Packet Too!!!

Once again, feel free to call us or whatever for more information. The phone in the shack is (508)831-5446, and we listen to the Worcester Repeater at 146.925 (-). Or send email to me:

```
----------  If at first you don't succeed,  so much for skydiving ---------
John Whitson:   Internet: jwhitson@wpi.wpi.edu  Bitnet: jwhitson@wpi.bitnet
73's from KB2GNC/1                         UUCP: uunet!wpi.wpi.edu!jwhitson
----------  Anything with this tag on it is purely my own opinion ---------
```

From 2888425342186312751
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,47b4b5ad367dd16f

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 06:45:22 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!cs.utexas.edu!texbell!bellcore!ka9q.bellcore.com!karn
From: karn@ka9q.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Re: Foreign Language Translators
Keywords: Language, Translation, Computer, Radio
Message-ID: <21819@bellcore.bellcore.com>
Date: 6 Apr 90 05:44:36 GMT
References: <659@ajpo.sei.cmu.edu>
Sender: news@bellcore.bellcore.com
Reply-To: karn@ka9q.bellcore.com (Phil Karn)
Organization: Secular Humanists for No-Code
Lines: 27
Posted: Fri Apr 6 06:44:36 1990

In article <659@ajpo.sei.cmu.edu> griest@ajpo.sei.cmu.edu (Tom Griest) writes:

>It seems to me that amateur international communication could be served
>by the availability of a public-domain translation system for use with
>PC-based communication systems.

This is out of my area, but my understanding is that these systems are either very limited in what they can do or are quite big and expensive, or both.

But this *is* a most interesting topic. The development of packet radio has, for the first time, made it possible for amateurs to send and receive error-free text with a bandwidth almost large enough to do some real human-to-human communicating. (Unlike CW, which I suspect is called the "ham's universal language" because it's so slow and unreliable that you spend all your time in standardized QSO overhead -- you never get far enough to hit a language barrier! :-))

Ahem. Seriously, I think many more people might be more willing to practice a foreign language by packet than by voice, especially when their knowledge of the language is very weak. The main thing is that as long as the other guy is patient, you can take plenty of time and use your dictionary if necessary. Pronunciation and spelling ambiguities are avoided. Obviously this doesn't help you learn the spoken form of the language, but it might be a good way to get exposed to something you might not otherwise try at all.

Phil

From -87252659415105228
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aa7082ad7357475e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 06:46:59 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!mailrus!ncar!ico!isis!nyx!whester

From: whester@nyx.UUCP (William R. Hester)
Newsgroups: rec.ham-radio
Subject: V31BB
Message-ID: <369@nyx.UUCP>
Date: 5 Apr 90 18:12:39 GMT
Reply-To: whester@nyx.UUCP (William R. Hester)
Organization: Public Access Unix - University of Denver
Lines: 13
Posted: Thu Apr 5 19:12:39 1990

With all the talk about the Belize ham, V31BB, not responding to QSL requests which include IRCs or money for postage, I looked at my log since the call was familar.

I too had worked him (in fact he was one of my first contacts when I received my ham license and I was thrilled!). I had made a note in my log (last fall) that he was visiting and taking care of a friend's house right on the beach. He went on about how he would love to stay on a while if he could find a way to support himself.

Looks like he found a way.

73s, Bill, N0LAJ, Denver Colorado USA

From 8128810860764605612
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b8591ea9f3b8e0f6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 06:47:31 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!samsung!cg-atla!raybed2!ewb
From: ewb@raybed2.ray.com (EUGENE BALINSKI)
Newsgroups: rec.ham-radio
Subject: R.L Drake Info
Keywords: address included
Message-ID: <1492@raybed2.ray.com>
Date: 5 Apr 90 16:22:38 GMT
Organization: Raytheon Co., Tewksbury, Mass.
Lines: 17
Posted: Thu Apr 5 17:22:38 1990

R. L. DRAKE is still alive and well and living in Miamisberg Ohio.

The address is: R.L. DRAKE
540 Richard St.
Miamisberg, Ohio 45342

Phone 513-866-2421

They still repair/refurbrish Drake Amateur gear but they are not currently involved in the manufacture of ham gear. I say currently because there is always that rumor around that says that they are planning to return to the ham market first with an HF amp and then with a tranceiver. The latest one (rumor

that is) has them paired up with Sony to produce an HF tranceiver called
The Sake. :-) Where do they come from !

73
WA1UXa

From 3536582821230243691
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e23d8df49c00ece
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 06:49:28 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: how to achieve 20WPM ?
Keywords: this really is about increasing cw speed :-)
Message-ID: <23929@usc.edu>
Date: 6 Apr 90 07:29:36 GMT
References: <7785@b11.ingr.com>
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 18
Posted: Fri Apr 6 08:29:36 1990

In article <7785@b11.ingr.com> bill@b11.ingr.com (Bill Welch) writes:
>I have spent a lot of time trying to increase my speed, and
>am not too pleased with the results. I would sure like to hear
>from some of you out there who have already passed the 20wpm
>mark. What method did you use? Computer programs? Tapes?
>What speeds? What type of text did you practice with?

Throw out the code tapes, the computer programs, the computer (just kidding). To increase your code speed:

GET ON THE AIR AND HAVE REAL QSO's WITH REAL PEOPLE.

It's just that simple. You'll find that the fastest people are in the novice band. The next fastest are in the general class portion, just above the extra class portion. Work the people who are going just a little bit faster than what you can comfortably copy.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From 1371124685882024
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,885ba9cbf26aa022
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 07:00:54 PST
Path: gmdzi!unido!mcsun!uunet!samsung!brutus.cs.uiuc.edu!jarthur!uci-ics!orion.oac.uci.edu!ucsd!sanford

From: sanford@ucsd.Edu (Mike Sanford)
Newsgroups: rec.ham-radio
Subject: Re: College and Univ Net and San Diego Crew Classic (Correction)
Message-ID: <12958@ucsd.Edu>
Date: 6 Apr 90 07:18:33 GMT
References: <12947@ucsd.Edu>
Reply-To: sanford@ucsd.edu (Mike Sanford)
Organization: U.C. San Diego
Lines: 7
Posted: Fri Apr 6 08:18:33 1990

In article <12947@ucsd.Edu> sanford@ucsd.Edu (Mike Sanford) writes:

```
>This weekend on the College and University Net, we are going to try
>to have a special event station set up in San Diego at the Crew
> I will try to be on the air at 1800Z on 28.425.
                                 ^^^^
```

I will probably be on the air at 1600Z (0900 PDT).
73 de Mike, N6WUY

From -3620879219906802152
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a2d2572ea3c69dc8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 07:18:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!NUWES-LLL.NAVY.MIL!
nfunamura%mis2.decnet
From: nfunamura%mis2.decnet@NUWES-LLL.NAVY.MIL ("MIS2::NFUNAMURA")
Newsgroups: rec.ham-radio
Subject: TVI/RFI - Need ADVICE !
Message-ID: <9004060702.AA02217@ucbvax.Berkeley.EDU>
Date: 6 Apr 90 07:02:27 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 122
Posted: Fri Apr 6 08:02:27 1990
X-Unparsable-Date: 5 Apr 90 14:10:00 GMT-10:00

In Message-ID <1990Apr4.053057.7176@tandem.com>, Stuart Phillips writes:

<Folks, I need some advice.

<Since 12/88 I've been working a TVI/RFI problem with my neighbor. Initial
<problems such as 10 m interference with TV channel 2 were soon fixed (at
<my *small* expense) but his stereo system proved to be a first class
<receiver of 40 m and 20 m RF. As little as 5 watts on 40 m at some 80
<feet horizontal and 30 feet vertical separation causes severe hum on
<his ONKYO stero tuner/amp.
<....................

I don't know if this is the latest edition, but I have a copy of a 31 page pamphlet titled "How to Identify & Resolve Radio-TV Interference Problems". It was published by the FCC and is labelled "second edition, September 1982". On page 11, titled "Audio Inteference and Remedies":

INTERFERENCE TO AUDIO DEVICES (TELEPHONE, STEREOS, AM/FM RADIOS)

"Telephones, electronic organs, stereo/hi-fi equipment, or AM/FM radios can be susceptible to interference. The source of interference will determine the affect on your audio device. For instance, if the equipment is picking up a nearby radio transmitter, you may hear the voice of the operator. When electrical interference is present, you may hear a sizzling or popping sound.

If you are receiving interference from a nearby radio transmitter, you should contact the operator and provide the Radio Operator Guidelines section of this handbook.

1. Generally, internal modification of your equipment must be made to eliminate the interference.
2. For safety reasons, it is recommended that any modification be made by a qualified service representative. The service representative should make the modification in the home while the interference is occurring, in order to locate the point at which the interfering signal is entering the equipment."

Further on the same page titled "OTHER AUDIO DEVICES"

"For other audio devices, such as stereo or hi-fi systems, the following steps may be taken before calling your service representative:

1. Replace unshielded wire between the amplifier and speakers with shielded wire.
2. Ground the affected equipment to a metallic cold water pipe or ground rod with a piece of 'bell wire,' which can be obtained at most electronic, hardware, or variety stores. Do not ground 'AC-DC' type devices. Normally, devices which may safely be grounded will provide a grounding terminal. If no terminal is provided, then you should consult a qualified service representative for advice."

Page 12, "RADIO TRANSMITTER OPERATOR INFORMATION"

RADIO TRANSMITTER OPERATOR GUIDELINES

"Some interference problems can be traced to radio transmitters. When you receive an interference complaint from your neighbors, the following steps will help resolve the problem.

We encourage you to cooperate with your neighbor(s) and assist them in resolving the problem. When a positive dialogue between you and your neighbors exist, the problem will be more easily resolved.

It will also be most helpful to the commission and the general public if you would encourage a cooperative attitude among other radio operators.

Voluntary implementation of the steps outlined below, may prevent you from being directed by the Commission to implement these measures. The Commission does not, however, require that you service or modify your neighbor's TV set or audio device."

Sections on CB and Linears omitted.....

RESOLVING AUDIO INTERFERENCE

"Although audio inteference (often called audio rectification) is usually resolved by modification of the affected device, you as a radio operator can take certain steps to reduce the probability of audio rectification by eliminating circulating radio frequency (RF) currents in grounds and metal objects in the area.

1. Your radio transmitting equipment should be effectively grounded to a metallic cold water pipe or a ground rod driven into the ground at least 8 feet. The ground lead should be at least #10 wire or copper ribbon. The greater the surface area of the ground lead, the more effective it will be. Also, the ground lead should be as short as possible.
2. You are reminded that CBers are limited to 5 watts input power. Operating with excessive power is likely to cause audio interference problems.

If you need assistance in performing the above modifications to your equipment, you can contact the dealer or manufacturer's representative. An FCC-licensed service representative may also be able to assist you. A licensed representative normally will be available at your local CB repair or Service Center.

RESOLUTION OF INTERFERENCE FOR AMATEUR TRANSMITTER OPERATORS

1. If you have a linear amplifier on your amateur transmitting equipment, use two lowpass filters. One filter should be installed between the actual transmitter (exciter) and the input to the linear amplifier. (This prevents harmonics generated in the exciter from reaching the linear amplifier.) The second filter should be installed at the output of the linear amplifier to reduce harmonic and spurious content.

2. One unique interference problem to TV Channel 2 is from an amateur transmitter operating on the 6 meter band. This is due to the close proximity of the frequencies involved. You may wish to follow the procedures outlined in the Technical Information for Service Representatives section, page 23, to eliminate this type interference. You are not, however, required to service or add filtering to the complainant's television, and should not take any such action without the full cooperation of your neighbor.

3. You are reminded that amateurs are licensed to use only the amount of power necessary to carry out communications.

4. Local Television Interference (TVI) Committees are available to assist you in resolving interference problems. Contact the nearest FCC district office (See addresses beginning on page 21), or the American Radio Relay League, Newington, Connecticut, for assistance in locating a TVI committee in your area."

Don't know what position the FCC takes today but this is what they said eight years ago. GOOD LUCK!

73, Norman
KH6R

```
From 7398420025604028035
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,26169b11676a0ddf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 07:19:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!TAMVENUS.BITNET!MCL9337
From: MCL9337@TAMVENUS.BITNET
Newsgroups: rec.ham-radio
Subject: Die Hard... laughing, that is!
Message-ID: <9004060731.AA03257@ucbvax.Berkeley.EDU>
Date: 5 Apr 90 15:23:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 41
Posted: Thu Apr  5 16:23:00 1990
```

KE9KD sez...

```
>From time to time they have a shot of the "ham shack" (garage) and Willie's
>call is something like KXY913 or something along those lines.  It is not a
>real call, although it was nice of the producers to have taken the time to use
>real hams gear.  Along the same lines, I was watching Die Hard (starring the
>guy from Moonlighting...the name escapes me) and they were using either Ken-
                             ^^^^ Bruce Willis
>wood TS41's or 21's for their communications.  Funny thing, how did he know
>what frequency the cops used in LA?  He was from New York.  And wasn't it
>convenient that it was already dialed in?  :)
```

The Bro! sez...

One day last year "me 'n' the boys" (the other guys in the Texas A&M Amateur Radio Club - W5AC) watched Die Hard on video and could not keep ourselves from laughing at this.

In answer to your question about his knowing the police frequencies, he didn't have to. Quite insultingly, the Kenwood radios used were supposedly (ACK!) CBs!!! Early in the show, he gets on the roof of the building and says "Channel 9" something or other... don't ask me why we are supposed to swallow the idea that the police use CB radios, but I guess it works for the uninformed public. Hey, they used them on the Dukes of Hazzard!

The thing we couldn't get over was their blatant abuse of radio operation procedure. For instance, the ability to interrupt someone while he is talking on another radio. Full-duplex HTs??? Right.

This was most dramatically demonstrated when the hero was patching up his well-cut and bloody feet in a restroom. He somehow locked the HT on transmit and was able to carry on a conversation with the cop down on the street. What a laugh.

As I said before, though, I'm sure for all Americans that have never touched
or used a radio it works. We just have to laugh and enjoy the inside
joke ourselves.

Mark C. "Bro!" Lowe - KB5III

MCL9337@TAMVENUS.BITNET

From 8867175960427639884
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,238ad2530b33aa1c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 07:30:30 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!ncr-sd!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley__Wb6wui)
Newsgroups: rec.ham-radio
Subject: 210xl
Message-ID: <2110@crash.cts.com>
Date: 6 Apr 90 06:06:16 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 9
Posted: Fri Apr 6 07:06:16 1990

I have the same old scanner. I would be interested in any responses to your
query. Good Luck.   ...Mike

```
***************************************************************************
Mike Shirley, WB6WUI          INET: mikey@pnet01.cts.com
PO Box 460, Lakeside, CA      ARPA: crash!pnet01!mikey@nosc.mil
            92040-0460        UUCP: {hplabs!hp-sdd nosc}!crash!pnet01!mikey
***************************************************************************
```

From -1900611937136289943
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14e054685a56c409,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 07:30:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!TOPS20.RADC.AF.MIL!POPYACK
From: POPYACK@TOPS20.RADC.AF.MIL
Newsgroups: rec.ham-radio
Subject: Alf And Willie Tanner Hams?
Message-ID: <12579456277.10.POPYACK@TOPS20.RADC.AF.MIL>
Date: 5 Apr 90 19:37:09 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8

Posted: Thu Apr 5 20:37:09 1990

I remember watching ALF one evening and briefly saw a nameplate with a call sign on it WA6--- I think. Has anyone seen this? If so who does it belong to (given the call sign, we could look it up in the call sign server).

I hate to watch such a dumb show just to get the call sign....

From 8786931350754641555
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b1ba06742e7bb93,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 07:30:49 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!MED.UNC.EDU!hjj
From: hjj@MED.UNC.EDU (Glenn Blackwell)
Newsgroups: rec.ham-radio
Subject: Looking for KA1XN
Message-ID: <9004051847.AA15017@pelham.med.unc.edu>
Date: 5 Apr 90 18:47:35 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Thu Apr 5 19:47:35 1990

(Sorry to tie up the net for this, but it's more important than that code speed s#@!)

Bob, KA1XN...What is your E-Mail Address?????

              -- Ray, K4HJJ
                         hjj@med.unc.edu

From 8636935987497553348
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ebd7fa11e62df441
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 07:32:53 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!brutus.cs.uiuc.edu!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!hplabs!hpl-opus!hpnmdla!hpsad!mikew
From: mikew@hpsad.HP.COM (Mike Weihman)
Newsgroups: rec.ham-radio
Subject: Re: Re: Litz wire (long)
Message-ID: <1530043@hpsad.HP.COM>
Date: 6 Apr 90 00:04:49 GMT
References: <40251@iuvax.cs.indiana.edu>
Organization: HP Signal Analysis Div - Rohnert Park, CA
Lines: 32

Posted: Fri Apr 6 01:04:49 1990

> From: mmm@cup.portal.com (Mark Robert Thorson):
>
> I had thought that Litz wire was the stuff used for the cords of old-
> fashioned headphones, mostly because it was limp. Is this true? Is that
> difficult-to-solder stuff used for cheap earphones Litz wire?
> ...
>   The leads
> seemed like what I have always called "Litz wire", i.e. tiny threads of
> copper woven with some kind of fiber.
>

No, this is not litz wire. The stuff in earphone wire that's
impossible to solder is just that--tiny metal wires or films wrapped
around a fiber core.

Litz wire is a bunch of strands of conductive wire that are
electrically isolated from one another except at the two ends.

-mike

****
Mike Weihman   n1dje: RACES, CDF-VIP
mikew@hpsadmjw.hp.com
mikew%hpsad@hp-sde.sde.hp.com

Hewlett-Packard Co.   Volunteer firefighter/EMT
Signal Analysis Division   Penngrove Fire Prot. Dist.
1212 Valley House Drive   Penngrove, CA
Rohnert Park, CA 94928
(707)794-4454
****

From -7574598517581180133
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6df8d020031e461
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 09:38:33 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!decwrl!ucbvax!hplabs!hpfcso!hpfcmgw!music
From: music@hpfcmgw.HP.COM (John Wells)
Newsgroups: rec.ham-radio
Subject: Re: Technical question on RF power measurements
Message-ID: <1690051@hpfcmgw.HP.COM>
Date: 6 Apr 90 16:38:33 GMT
References: <8230@tank.uchicago.edu>
Organization: HP Fort Collins, CO
Lines: 45
Posted: Fri Apr 6 17:38:33 1990

/ hpfcmgw:rec.ham-radio / kjh@pollux.usc.edu (Kenneth J. Hendrickson) / 6:35 am

Apr 3, 1990 /
In article <8230@tank.uchicago.edu> gary@tank.uchicago.edu (Gary Buchholz) writes:
>%   2) On 3 different radios(transmitters) I see the following:
>%   a) RF Input- 5 Watts; RF Output 4 Watts
>Somebody is lying. Possibly in the marketing department.

Actually not, it is real easy to get 4 or more watts out of a CB with only 5 watts DC input (quiescent). (Maybe even 10 watts out for only 5 in... it's not magic, its bending the rules just a bit).

>%   b) RF Input- 5 Watts; RF Output 3.5 Watts
>This I find hard to believe also, but it might be possible for a "plate"
>modulated class C final, for AM only.

Actually this may be quite accurate, CB final outputs are "PLATE" or as we in the biz say "collector" modulated class C amplifiers. I'd expect to see a realistic 3.5 watts out under normal conditions.

>%   c) RF Input- 5 Watts; RF Output 2.5 Watts
>This is easy to believe.

If this is true, then the transmitter isn't working efficeintly.

OK JOHN, HOW DO YOU GET ALMOST 5 WATTS OUT FOR ONLY 5 IN WITH AN AMPLIFIER THAT ISN'T RUNNING ALMOST 100% EFFICIENT?

I'm glad you asked. Its easy, just bend the rules a bit. How?

Look at the diagram of any of the modern CB rigs. You may notice a diode and a capacitor in the audio circutry feeding the collectors of the driver and final RF amps. Simply put, the non modulated DC input to the final is in fact ~5 watts. If one were to whistle into the microphone and produce a nice sine wave, a portion of the audio amp power output is converted into a little extra DC power that "kicks the power up to the final amp" during periods of modulation. This nonlinear pumping of the final power will not cause enough distortion to cause any noticeable degredation of the signal quality. (HAHAHAHAHAHAHAHAHA) And it may be close enough to legal that the FCC lets it slide. Thus, one will note that the appearent power output, when measured with a BIRD watt meter, will actually go UP if you make sounds in the microphone. This shouldn't happen on a real collector modulated RF transmitter, but it does on CB's.

Love it when those marketing folks figure out a way to adjust reality!

John Wells WA0LHB in Ft. Fun, Coloradio

From 8301805757875990679
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,abccf11d07dfeced,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 10:00:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!

ucbvax!STL-06SIMA.ARMY.MIL!wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: Crystal Earphones (was Re: Litz wire)
Message-ID: <9004070945.AA03363@ucbvax.Berkeley.EDU>
Date: 6 Apr 90 17:00:51 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Fri Apr 6 18:00:51 1990

THe catalog for Yeary Communications that I posted the note about a week back lists several crystal earphones, with tinned leads or with a plug on the wire. For those that didn't keep the reference, here's an extract:

Date: Mon, 2 Apr 90 8:15:26 CST
Subject: Re: SW Radio Kit
....
Write for a catalog:

Yeary Communications
12922 Harbor Blvd., Suite 800
Garden Grove, CA 92640
[No phone given]

Regards, Will

From -8477315668391864696
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e90fb27f95499427,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 10:05:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!usc!elroy.jpl.nasa.gov!ames!pasteur!ucbvax!TUMTUM.CS.UMD.EDU!rbarth
From: rbarth@TUMTUM.CS.UMD.EDU (Richard Barth)
Newsgroups: rec.ham-radio
Subject: INFO-HAMS Digest V90 #374
Message-ID: <9004061705.AA20300@tumtum.cs.umd.edu>
Date: 6 Apr 90 17:05:22 GMT
References: <9004060910.AA20077@tumtum.cs.umd.edu>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Fri Apr 6 18:05:22 1990

Re: IC22 Crystals.

I also replied via direct mail and have heard nothing since. Maybe the original poster is on vacation?

From 7846864901651836328
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e23d8df49c00ece
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 10:24:19 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!hp-pcd!hplsla!bobc
From: bobc@hplsla.HP.COM (Bob Cutler)
Newsgroups: rec.ham-radio
Subject: Re: how to achieve 20WPM ?
Message-ID: <5720062@hplsla.HP.COM>
Date: 6 Apr 90 17:24:19 GMT
References: <7785@b11.ingr.com>
Organization: HP Lake Stevens, WA
Lines: 27
Posted: Fri Apr 6 18:24:19 1990

I plan on taking the 20wmp test next week. For me, getting my speed up hasn't been too painful. (FLAME PROTECTION ON) I've learned to copy code using computer programs only. (FLAME PROTECTION OFF). I generally practice 30-45 minutes a night, and have been doing so for the last 2 weeks.

The program I have allows the send speed and the character speed to be adjusted separately. By setting the character speed at 20wpm and the send speed at 8-13 wmp, I had sufficient time between characters to recognize and record (using pencil and paper) the character being sent. Whenever I reached a point at which I could copy random character groups with 50% accuracy, I would bump the send speed up another 2-3 wpm. Occasionaly I would try and copy at 23wmp. Even though I could only get about 20% of the characters at that speed, it seemed to improve my ability to copy at 20wmp. I spend most of my time copying random character groups (letters, numbers, and puctuation). Usually, before I shut the computer off, I spend a few minutes copying regular text at 20wmp. I sometimes get in trouble with text because I try and second guess the word being sent. When that starts to happen, I have to try and ignore the message content and pretend that I'm back copying crypt groups. It works for me.

Good luck on your upgrade.

--

Bob Cutler
KE7ZJ
Lake Stevens Instrument Division
Hewlett-Packard

From -1926621914937387597
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fbcfae41cccdd021
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 10:34:01 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!mailrus!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)

Newsgroups: rec.ham-radio
Subject: Re: HF Transceiver to drive transverter.
Message-ID: <eZV8g1w161w@w8grt.fidonet.org>
Date: 6 Apr 90 17:34:01 GMT
References: <04.Apr.90.11:14:03.BST.#9795@UK.AC.NWL.IA>
Organization: QRV de W8GRT
Lines: 30
Posted: Fri Apr 6 18:34:01 1990

PJML@ibma.nerc-wallingford.ac.UK ("Pete Lucas, NCS-TLC, Swindon U.K.") writes:

> Anyone out in netland got any advice on HF transceivers? I primarily
> want one to drive transverters for six, four and two meters (yes we have
> 70.0 to 70.5MHz as a ham band here in the UK).
>
> Requirements as follows:
>
> 'Old' HF bands (not interested in WARC bands).
> Spin-tuned VFO (no nasty synthesizers unless they step in 1Hz steps!)
> Analog readout to 1KHz or better.
> AM/FM/SSB capability.
> High resistance to crossmodulation (i.e a tube frontend!)
> Room for lots of filters (15KHz, 6KHz, 2.4KHz and 600Hz).
> Plenty of audio output (at least 4 watts to external speaker)
> Input socket for ALC from transverter.
> Able to run 100% duty cycle for at least 1/2 hour on FM/AM/RTTY duty.
> User-serviceable without any need for special tools, non
> miniature components, no surface-mount devices, and finally;
>
> No Gimmicks! I dont want scanning, memories, voice IDs,
> speech processors or any of that sort of stuff.
>
> Somehow i think i have just described a member of the Drake '4' line....

You also described the Drake TR-7 with remote VFO and cooling fan. It
doesn't have FM as is, but it's no big big trick to modify for that. I used
one for years and loved it. Wish economic concerns hadn't forced me to sell
it. In the U.S. a good condition used '7 brings about $650.

From -2061536471670164536
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2da44315ec19c738
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 10:35:09 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!zaphod.mps.ohio-state.edu!sdd.hp.com!
ncr-sd!ncrlnk!ncrwic!encad!ensub!msjohnso
From: msjohnso@ensub.Wichita.NCR.COM (Mark Johnson)
Newsgroups: rec.ham-radio
Subject: Re: CW and the handicapped
Message-ID: <302@ensub.Wichita.NCR.COM>
Date: 6 Apr 90 17:35:09 GMT

References: <9003262314.AA27842@ti.com> <10510006@hpcuhb.HP.COM>
Reply-To: msjohnso@ensub.Wichita.NCR.COM (Mark Johnson)
Organization: NCR Corporation, Wichita, KS
Lines: 11
Posted: Fri Apr 6 18:35:09 1990
Keywords:

In article <10510006@hpcuhb.HP.COM> fel@hpcuhb.HP.COM (Skip La Fetra) writes:
>A slightly-off-the-topic question -- what about the requirement to
>send?

The requirement to send hasn't been enforced for some time, as far as I know.
I had to send when I took my last exam in about 1976, but I think it was
shortly thereafter removed as a test requirement.
--
Mark Johnson   WB9QLR/0   NCR Peripheral Products Division, Wichita KS
Mark.Johnson@Wichita.NCR.COM   Opinions expressed here are the author's.
CIS 76670,1775

From 7072121943252664850
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fe2dbd76acb4f9e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 10:35:37 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!mailrus!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Aargh! Want address/info to get Heathkit catalog
Message-ID: <32V8g2w161w@w8grt.fidonet.org>
Date: 6 Apr 90 17:35:37 GMT
References: <9004050713.AA04122@ucbvax.Berkeley.EDU>
Organization: QRV de W8GRT
Lines: 17
Posted: Fri Apr 6 18:35:37 1990

wmartin@STL-06SIMA.ARMY.MIL (Will Martin) writes:

> Re Heath:
> >Try (800) 253-0570. Visa, Mastercard, and American Express.
>
> As a side issue, does anyone out there know when Heath started? The
> catalog doesn't say. I expected to find some sort of advertising puffery
> like "serving America's electronic hobbyists since <date>" in it
> somewhere but couldn't find any such reference. I thought they began in
> the early '50's. Anybody on the net know for sure?

They started in the 30's marketing an airplane kit. No, not a model
airplane kit. An honest to God get in it and ride it airplane kit. Then
they had a boat kit and (I think) furniture. They returned to civilian
pursuits immediately after World War 2 with a 5" oscilloscope kit based on
military surplus CRT's and took off from there to where they are now -

just another dealer for other people's products.

From -513494196289773697
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a35be58857c0e2f1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 11:13:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!iuvax!pewter!commgrp
From: commgrp@pewter.ucs.indiana.edu
Newsgroups: rec.ham-radio
Subject: FCC employees
Message-ID: <12600094@pewter>
Date: 6 Apr 90 18:13:00 GMT
Organization: Indiana University CSCI, Bloomington
Lines: 18
Nf-ID: #N:pewter:12600094:000:677
Nf-From: pewter.ucs.indiana.edu!commgrp   Apr 6 13:13:00 1990
Posted: Fri Apr 6 19:13:00 1990

The April 1990 issue of _Sport Aviation_ (monthly magazine of the Experimental Aircraft Association) has an article on page 31 entitled "National Airspace System Plan Forum Hosted by EAA." In this forum, Federal Aviation Administration representatives were asked pointed questions about new requirements for very expensive avionics, including 720-channel aircraft radios with 25kHz spacing.

The article quotes Gerald Markey, manager of the FAA's Spectrum Engineering Division, as saying:

> "The FCC has about 2200 employees, 1100 of which are lawyers.
> Most of their decisions are legal rather than technical."

--

Frank   W9MKV   reid@ucs.indiana.edu

From 2471503625795004704
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a98de9a2c629ce44,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,a98de9a2c629ce44,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-04-06 11:13:45 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!apple!hercules!fernwood!synopsys!georgez
From: georgez@synopsys.com (George Z)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Low Frequency Transmitters

Keywords: LF, VLF, Transmitters, Beacons
Message-ID: <484@synopsys.COM>
Date: 6 Apr 90 18:13:45 GMT
Followup-To: georgez@synopsys.com
Organization: Synopsys, Inc. Mountain View, CA USA
Lines: 8
Xref: gmdzi rec.radio.shortwave:910 rec.ham-radio:10720
Posted: Fri Apr 6 19:13:45 1990

I am looking for information on building / buying a low power
VLF transmitter for LW beacon application. I understand there
is a frequency range somewhere around 150 Khz where experimental
beacons are A-OK. Does anyone have any information on this
subject?

'73 George Zafiropoulos - KJ6VU
Internet address: georgez@synopsys.com

From 179758624891849728
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e3540e97119053b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 11:17:03 PST
Path: gmdzi!unido!mcsun!uunet!cadnetix.COM!cadnetix!rusty
From: rusty@cadnetix.COM (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: Loading of Telephone Channels by Voice or Data
Message-ID: <11965@cadnetix.COM>
Date: 5 Apr 90 23:29:30 GMT
References: <12577606692.12.DEFRANCO@TOPS20.RADC.AF.MIL>
Sender: news@cadnetix.COM
Reply-To: rusty@cadnetix.COM (Rusty Carruth)
Organization: Cadnetix Corp., Boulder, CO
Lines: 24
Posted: Fri Apr 6 00:29:30 1990

In article <12577606692.12.DEFRANCO@TOPS20.RADC.AF.MIL>
DEFRANCO@TOPS20.RADC.AF.MIL (Carl DeFranco) writes:
>
>
>Ironically, it is the true digital channels that can be multiplexed into
>higher level datastreams to provide greater capacity per channel. While
>one voice circuit requires the full 64 kbps, up to 6 9600 bps channels could
>be multiplexed into the same data space.
>
>Carl DeFranco
>KB2JLY

And, be fully prepared to pay MORE for a service which costs the telco LESS to
supply than it does for them to supply voice lines for the modems. Just like
when they charge you more for DTMF dialing than for rotary dialing.... They
save money, and you pay more for it.   (It takes fewer DTMF receivers and dial

registers to accept DTMF tones, partly because you spend a lot less time dialing
with DTMF (on average) than with rotary.)

Oh, well... (and no smiley this time!)

---Join the usenet un-net, 28.410 and/or 28.390(+-) 1700Z to 1900Z saturdays!
Rusty Carruth.   Radio: N7IKQ   ^^ or later :-)
DOMAIN: rusty@cadnetix.com   UUCP:{uunet,boulder}!cadnetix!rusty
home: POB. 461, Lafayette CO 80026

From 1632774356313043387
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2da44315ec19c738
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 11:49:01 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!brutus.cs.uiuc.edu!apple!well!tenney
From: tenney@well.sf.ca.us (Glenn S. Tenney)
Newsgroups: rec.ham-radio
Subject: Re: CW and the handicapped
Message-ID: <17086@well.sf.ca.us>
Date: 6 Apr 90 08:34:20 GMT
References: <9003262314.AA27842@ti.com>
Reply-To: tenney@well.UUCP (Glenn S. Tenney)
Organization: Whole Earth 'Lectronic Link, Sausalito, CA
Lines: 9
Posted: Fri Apr 6 09:34:20 1990

I asked a similar question a while ago of the ARRL VE coordinator.
Everyone must take and pass the test, period. However, if I recall,
they can use someone to help copy (I believe the sample was
someone they could talk to who would copy for them). Believe it
or not, the best source of an answer would be for YOU to call the ARRL
and ask them. I might have misremembered, so post the correct answer
later.
tnx
Glenn

From -2374037361827715760
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0bb8f474ea38cd3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 11:55:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!hplabs!hpl-opus!hpccc!wille
From: wille@hpccc.HP.COM (Ross Wille)
Newsgroups: rec.ham-radio
Subject: Automatic reception of CW? Help!
Message-ID: <5540033@hpccc.HP.COM>
Date: 6 Apr 90 18:55:02 GMT
Organization: HP Corporate Computing Center
Lines: 25

Posted: Fri Apr 6 19:55:02 1990

I am interested in locating any computer code (preferably "C", but I'll take ANYTHING) that *adaptively* converts dits and dahs (actually, the individual bit lengths) into their equivalent characters. This is the type of thing that some multi-mode controllers (like the PK-232) do.

It should be able to automatically determine the sending speed and track it (if it varies) and adapt to the particular "fist" of the sender, compensating for different ratios in the dit/dah/space lengths.

It would be nice if it had some AI-like features that tried to correct errors (either in the sending, or due to static). For example, if the character is not a valid letter, it may be two letters run together, or a dah broken into two dits by static, etc. It could pick the most likely candidate based on rules involving timing, context, etc.

Pointers to any articles written on the subject of automatic reception of CW signals using adaptive techniques would be appreciated.

73, Ross N6SJD

```
 +============================================================================+
 | Ross Wille - N6SJD | Email: wille@hpda.hp.com  | "Undetectable errors are |
 | Hewlett Packard    | -or-   wille@hpccc.hp.com |  treated as if no error  |
 | Cupertino, CA      | Phone: (408)447-0215      |  occurred." - IBM Manual |
 +============================================================================+
```

From -2239458068096210084
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e23d8df49c00ece
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 12:01:03 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: Real People?
Keywords: this really is about increasing cw speed :-)
Message-ID: <12961@ucsd.Edu>
Date: 6 Apr 90 15:02:20 GMT
References: <7785@b11.ingr.com> <23929@usc.edu>
Reply-To: brian@ucsd.edu (Brian Kantor)
Organization: The Avant-Garde of the Now, Ltd.
Lines: 15
Posted: Fri Apr 6 16:02:20 1990

Oh, I can't resist!...

In article <23929@usc.edu> kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
>GET ON THE AIR AND HAVE REAL QSO's WITH REAL PEOPLE.

Oh my. We all know that hams aren't real people - most of us are social cripples who found ham radio so very very appealing because it insulates us from the strain of interpersonal relationships. We feel uncomfortable talking to people in person, face-to-face. We are, in fact, the prototypical Asimov's Solarian.

Strike a chord?

Done Viewing.
     - Brian

From 1728221516785469156
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,47b4b5ad367dd16f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 12:34:24 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!brutus.cs.uiuc.edu!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: Foreign Language Translators
Keywords: Language, Translation, Computer, Radio
Message-ID: <40108@apple.Apple.COM>
Date: 6 Apr 90 19:34:24 GMT
References: <659@ajpo.sei.cmu.edu> <21819@bellcore.bellcore.com>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 29
Posted: Fri Apr 6 20:34:24 1990

In article<21819@bellcore.bellcore.com>karn@ka9q.bellcore.com(Phil Karn)writes:

> I think many more people might be more willing to practice
> a foreign language by packet than by voice, especially when their knowledge
> of the language is very weak. The main thing is that as long as the other
> guy is patient, you can take plenty of time and use your dictionary if
> necessary.

Mygawd, Phil--I hope you aren't suggesting that people do this during real-time keyboard-to-keyboard contacts. My experience is that most hams type so slowly anyway that it seems like eternity waiting for a response. I dread the thought of the additional delay that would be introduced if they're constantly consulting a dictionary and typing in unfamiliar words!

I don't think "patient" would describe a ham who'd be willing to sit through that. "Masochistic", perhaps. :-)

Patty

p.s. Yes, I know that people can begin typing their responses while the other person is sending, and buffer their text until it's done. But a fast typist can still catch a slow typist unprepared. Or maybe folks just aren't pre-buffering their responses.

--
****
Patty Winter N6BIS   INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]   UUCP: {decwrl,nsc,sun}!apple!winter
****

From 2538576655986491489
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3b426429efa23f8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 14:34:45 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!cs.utexas.edu!texbell!bellcore!jupiter!karn
From: karn@jupiter..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: NEWSLINE NO-CODE NTRN QUERY
Message-ID: <21858@bellcore.bellcore.com>
Date: 6 Apr 90 21:34:45 GMT
References: <9004050707.AA03656@ucbvax.Berkeley.EDU>
Sender: news@bellcore.bellcore.com
Reply-To: karn@jupiter.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 13
Posted: Fri Apr 6 22:34:45 1990

In article <9004050707.AA03656@ucbvax.Berkeley.EDU> SKAGOO@MEMSTVX1.BITNET (SURESH KAGOO N9GSA/4S7???) writes:
>We have already received our port assigment from Newsline. The question that
>we have now is whether the teleconference is two way over the phone patch or
>do people with questions call on a seperate line ?.

My understanding is that the connections will be one-way. Callers may leave questions on an answering machine which will be periodically "dumped" during the conference and read on the air in non-real time. The reason for this is to eliminate the air time that would otherwise be spent on overhead like bad connections, callers that hang up, requests to turn down radios to avoid feedback, etc.

Phil

From -8762490251363233192
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a98de9a2c629ce44
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 15:11:52 PST
Path: gmdzi!unido!mcsun!uunet!deimos.cis.ksu.edu!ux1.cso.uiuc.edu!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: Low Frequency Transmitters
Message-ID: <40990@iuvax.cs.indiana.edu>
Date: 6 Apr 90 22:11:52 GMT

Sender: daemon@iuvax.cs.indiana.edu
Lines: 63
Posted: Fri Apr 6 23:11:52 1990

>I am looking for information on building / buying a low power
>VLF transmitter for LW beacon application. I understand there
>is a frequency range somewhere around 150 Khz where experimental
>beacons are A-OK. Does anyone have any information on this
>subject?
>
>'73 George Zafiropoulos - KJ6VU
>Internet address: georgez@synopsys.com

The U.S. has an unofficial "ham" band at 160-190 kHz (1750 meters). Part 15 of FCC Rules and Regulations permit license-free operation in that band with the limitations of one watt transmitter power and 50 feet maximum antenna length.

Most 1750m operation is beacons; there are few two-way QSOs. 1750m operation is a challenge: A 50-foot antenna at that freq. must be super efficient-- It must have a very high-Q loading coil and a super ground system. Receiving requires sophisticated antenna preamps and converters, and selective audio filters. Atmospheric noise makes the band fairly useless in summer. The DX record on 1750m is over 1000 miles. The current hot topic among 1750m enthusiasts (called "Lowfers") is BPSK (binary phase-shift keying) at very low baud rates, using WWV-locked frequency control.

1750m transmitters are very easy to build. The newsletters listed below have published numerous plans.

VLF/LF Resources

Newsletters:

Longwave Club of America
45 Wildflower Road
Levittown, PA 19057
Newsletter: _The Lowdown_ $12/year (12 issues)

Northern Observer
Herb D. Balfour
91 Elgin Mills Rd. West
Richmond Hill, Ontario
CANADA L4C 4M1
Published aprox. monthly. US$12/year and 12 self-addressed business-size envelopes; Herb will affix postage for non-Canadian subscribers.

Western Update
Jim Ericson

226 Charles St.
Sunnyvale, CA 94086-6063
Pulished aprox. monthly. $10/year and 12 business-size SASEs
with 25 cents postage.

State-of-the-art VLF preamps and converters:

Burhans Electronics
161 Grosvenor St.
Athens OH 45701

--

Frank Reid   W9MKV @ K9IU   reid@ucs.indiana.edu

From 2364936440572215940
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,26169b11676a0ddf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 15:21:13 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!agate!shelby!portia!mdbomber
From: mdbomber@portia.Stanford.EDU (Matt Bartley)
Newsgroups: rec.ham-radio
Subject: Re: Die Hard... laughing, that is!
Message-ID: <10888@portia.Stanford.EDU>
Date: 6 Apr 90 22:21:13 GMT
References: <9004060731.AA03257@ucbvax.Berkeley.EDU>
Sender: Matt Bartley <mdbomber@portia.stanford.edu>
Organization: Stanford University
Lines: 34
Posted: Fri Apr 6 23:21:13 1990

In article <9004060731.AA03257@ucbvax.Berkeley.EDU> MCL9337@TAMVENUS.BITNET writes:
>One day last year "me 'n' the boys" (the other guys in the Texas A&M
>Amateur Radio Club - W5AC) watched Die Hard on video and could not keep
>ourselves from laughing at this.
>
>In answer to your question about his knowing the police frequencies, he
>didn't have to. Quite insultingly, the Kenwood radios used were supposedly
>(ACK!) CBs!!! Early in the show, he gets on the roof of the building and
>says "Channel 9" something or other... don't ask me why we are supposed to
>swallow the idea that the police use CB radios, but I guess it works for the
>uninformed public. Hey, they used them on the Dukes of Hazzard!

"Sir, this frequency is for emergency transmissions only."
"What do you think this is?! I'm ordering a pizza or something?!"

That was the good part about the radio sequences. I believe in the
movie it said he was broadcasting on Channel 9 when he did this.

Sounded like the Ch 9 operator was about as helpful as the 911 operators are reputed to be.

--
Internet: mdbomber@portia.stanford.edu   Matt Bartley
Bitnet: mdbomber%portia@stanford.bitnet
     Kirk: "Spock! Where the hell's that power you promised?"
     Spock: "One damn minute, Admiral."   -- Star Trek IV : The Voyage Home

From 6420338879494107537
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,47b4b5ad367dd16f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 15:58:30 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!brutus.cs.uiuc.edu!apple!sun-barr!newstop!texsun!texbell!bellcore!jupiter!karn
From: karn@jupiter..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Foreign Language Translators
Keywords: Language, Translation, Computer, Radio
Message-ID: <21864@bellcore.bellcore.com>
Date: 6 Apr 90 22:58:30 GMT
References: <659@ajpo.sei.cmu.edu> <21819@bellcore.bellcore.com> <40108@apple.Apple.COM>
Sender: news@bellcore.bellcore.com
Reply-To: karn@jupiter.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 16
Posted: Fri Apr 6 23:58:30 1990

>Mygawd, Phil--I hope you aren't suggesting that people do this during
>real-time keyboard-to-keyboard contacts. My experience is that most
>hams type so slowly anyway that it seems like eternity waiting for a
>response. I dread the thought of the additional delay that would be
>introduced if they're constantly consulting a dictionary and typing in
>unfamiliar words!

Well, I *did* qualify my statement by using the word "patient". But the fact that so many hams are willing to tolerate 1200 baud or even 300 baud packet in real time across NET/ROM networks or HF paths says that there must be a lot more patience out there than you or I would give them credit for.

Seriously, non-real-time email would probably be a lot more practical.

Phil

From -1311366910579019908
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ab98b858418dadf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 19:31:32 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!mailrus!news-server.csri.toronto.edu!utgpu!watserv1!ria!uwovax!31002_1650
From: 31002_1650@uwovax.uwo.ca
Newsgroups: rec.ham-radio
Subject: TAPR TNC High Speed Serial Port Upgrade for 19.2 K baud
Message-ID: <5629.261d18c5@uwovax.uwo.ca>
Date: 7 Apr 90 02:31:32 GMT
Lines: 31
Posted: Sat Apr 7 03:31:32 1990

This is a relatively easy modification that can be performed to most TAPR TNC-2 boxes to allow 19.2K aynchronous communications between the TNC and your computer.

FIRST *** Replay U3 (LM324) with a TL084CN or TL094 FET op-amp. The LM324 craps out at 9600 baud and is dead at 19.2K.

Cut the PC trace that goes to PIN 2 of U1 (divider) about 1/8 " from the I.C. itself. Solder a jumper from pin 10 of U1 to the trace that you just isolated. Solder to the side of the trace that goes to pin 1 and pin 6 of SW2 baud rate selector switch.

This supplies a 307.2 Khz clock (19.2K/16) to pin 1 which is now 19.2 K baud on the serial port instead of 300 baud as well as pin 6 which is now 19.2 K to the modem instead of 300 baud. Turning on SW1 and SW7 will allow 19.2 K baud on the serial port and 1200 baud on the radio port.

**** NOTE ****

The 19.2 K baud rate is UNRELIABLE with the PMS code. We are using the TAPR 1.1.6 code (or lower) without PMS and are having excellent results on the serial port. The radio port is currently running at 9.6 K and is connected to a G3RUH modem and a Kantronics DVR 2-2. Plans for next week include increasing the G3RUH speed up to 19.2 K baud.

OHHHHH WHAT A FEELING.......

73 de VE3ZAV Anthony Varga
Kellogg Canada Inc
London, Ontario, Canada
519 455 9660 VMX 367

From -5961174968546516125

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,47b4b5ad367dd16f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-06 22:45:03 PST
Path: gmdzi!unido!mcsun!uunet!n3dmc!wa1lbp
From: wa1lbp@n3dmc.UU.NET (David Cowhig)
Newsgroups: rec.ham-radio
Subject: Re: Foreign Language Translators
Summary: Machine translation interesting but not here yet
Keywords: Language, Translation, Computer, Radio
Message-ID: <922@n3dmc.UU.NET>
Date: 7 Apr 90 05:45:03 GMT
References: <659@ajpo.sei.cmu.edu> <21819@bellcore.bellcore.com>
Reply-To: wa1lbp@n3dmc.UUCP (David Cowhig)
Organization: N3DMC, Silver Spring, Maryland
Lines: 43
Posted: Sat Apr 7 06:45:03 1990

In article <21819@bellcore.bellcore.com> karn@ka9q.bellcore.com (Phil Karn) writes:
>In article <659@ajpo.sei.cmu.edu> griest@ajpo.sei.cmu.edu (Tom Griest) writes:
>
>>It seems to me that amateur international communication could be served
>>by the availability of a public-domain translation system for use with
>>PC-based communication systems.
>
>This is out of my area, but my understanding is that these systems are
>either very limited in what they can do or are quite big and expensive,
>or both.
>
Some japanese companies have marketed calculator sized translating devices
do a word for word translation. At the Japanese-English Machine Translation
Conference in December I saw a calculator size device with a tiny scanner that
could scan english or japanese text and output the equivalent word on its
LCD screen. Students and tourists are finding these useful and perhaps
some japanese hams who see unfamiliar words on their screens while copying
a packet or RTTY signal. More ambitious work is done in the European
Community and Japan. Xerox has been successful with machine translation
by getting its tech writers to use a special limited vocabulary and simple
gramattical structures in the manual so as not to confuse the machine.
Sometimes big systems do a good job with over 90% reliability, but the
worry is what horrors lurk in the remaining 10% -- the poison cookie in the
cookie jar problem. At the translation conference it appeared that that
many good papers in linguistics bearing on the problem are being produced
while several japanese companies have translation systems up and running --
several running on a PC, generally an NEC PC-9801 series PC -- and
moving forward by making incremental improvements in hardware and software.
The difference in US and Japanese approaches to this problem seem familiar...
>
>Ahem. Seriously, I think many more people might be more willing to practice
>a foreign language by packet than by voice, especially when their knowledge
>of the language is very weak. The main thing is that as long as the other
>guy is patient, you can take plenty of time and use your dictionary if

>necessary. Pronunciation and spelling ambiguities are avoided. Obviously
>this doesn't help you learn the spoken form of the language, but it might be
>a good way to get exposed to something you might not otherwise try at all.
>
>Phil
Yes indeed. A japanese   ham told me on RTTY once he wouldn't dare
speak english. In many countries like Japan, people read English much
better than they speak it. An if we work 'em on packet perhaps their
written English will come along too!

From -6814125530018680223
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c2ecd4d9fdd1572,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,9c2ecd4d9fdd1572,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-04-07 11:36:36 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!rpi!crdgw1!ge-dab!tarpit!peora!tsdiag!nn2z!ka2qhd!ka2raf
From: ka2raf@ka2qhd.UUCP (Chris Crosby KA2RAF)
Newsgroups: rec.ham-radio,rec.ham-radio.swap
Subject: WANTED: TM-621 Mods
Keywords: extended VHF XMIT above 152 MHz, etc.
Message-ID: <258@ka2qhd.UUCP>
Date: 7 Apr 90 18:36:36 GMT
Organization: KA2QHD PBBS SYSTEM, OCEAN NJ
Lines: 17
Xref: gmdzi rec.ham-radio:10748 rec.ham-radio.swap:387
Posted: Sat Apr 7 19:36:36 1990

I have just purchased a Kenwood TM-621-A 144/220 MHz Dual-Bander and
have found the extended VHF transmit will not go above 151.995 MHz.
Other owners have found the same result. Is there any way to get the
radio above that frequency without major modification? If anyone
has this information, it would be much appreciated.

you can send any info to: C. Crosby
                          PO Box 1286
                          Lakewood, NJ 08701
                          201-905-9843

or mail to me here on UUCP
or packet radio: KA2RAF@NN2Z.NJ.USA

Many thanks from Chris

From -6485198278798890595
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,47b4b5ad367dd16f

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-07 16:50:53 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Foreign Language Translators
Message-ID: <30500492@ux1.cso.uiuc.edu>
Date: 7 Apr 90 00:38:29 GMT
References: <659@ajpo.sei.cmu.edu>
Lines: 7
Nf-ID: #R:ajpo.sei.cmu.edu:659:ux1.cso.uiuc.edu:30500492:000:301
Nf-From: ux1.cso.uiuc.edu!phil   Apr 6 16:23:00 1990
Posted: Sat Apr 7 01:38:29 1990

Reading a foreign language you don't yet know is a lot easier than listening to one because you at least get to see where the words end and begin.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -2902092631178071541
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2ff9e7ae7eee5284,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,2ff9e7ae7eee5284,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-04-07 17:42:01 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!rpi!crdgw1!ge-dab!tarpit!peora!tsdiag!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: * SpaceNews 09-Apr-90 *
Keywords: Space Shuttle, Comet Austin, etc.
Message-ID: <259@ka2qhd.UUCP>
Date: 8 Apr 90 00:42:01 GMT
Organization: KA2QHD PBBS SYSTEM, OCEAN NJ
Lines: 156
Xref: gmdzi rec.ham-radio:10760 sci.space:11256
Posted: Sun Apr 8 01:42:01 1990

Bulletin ID: SPC0409

=========
SpaceNews
=========

MONDAY APRIL 9, 1990

SpaceNews is published and distributed weekly around the world on USENET and Amateur Packet Radio. It is available for unlimited distribution.

* COMET AUSTIN *

The April issue of Astronomy Magazine has an article on observing Comet Austin, packed with info, charts, event predictions, etc.

The following table was given in the article. It gives, for each week during the best period, the estimated magnitude, best time to look, altitude (in degrees) from the horizon and direction at twilight, and some comments. I have added more comments gleaned from the text. All are oriented to viewing from the northern hemisphere, specifically from the US.

Week of	Mag.	Phase	Time	Alt.	Dir.	Notes
Mar 25	3	New	Evening	7	W	Twilight interferes
Apr 1	2	First	Evening	6	WNW	5 deg above Mercury 4/1
Apr 8	1	Full	Evening	4	NW	Brightest, but near sun 13 deg to right of Mercury 4/8
Apr 15	1	Last	Morning	11	NE	Improves rapidly 1.5 deg SW of Beta Andr 4/19
Apr 22	2	New	Morning	19	NE	Excellent south of M31 5 deg 4/25 tail might cross M31 4/19-4/22 rises 3am 4/25, tail rises 2:30
Apr 29	3	First	Morning	28	ENE	Good early in week
May 6	3	Full	Morning	38	ENE	Moon hurts visibility
May 13	3	Last	Morning	51	E	Better late in week
May 20	3	New	Morning	56	SSE	Excellent
May 27	4	First	Early Morn.	38	S	Good after midnight Crosses M17 morning of 5/31
Jun 3	5	Full	Midnight	24	S	Moon overwhelms comet
Jun 10	6	Last	Late eve.	19	S	Better late in week 5 deg S of Antares 6/11-12

[From: James R. B. Davies via UUCP]

* STS-31 NEWS *

Liftoff of the tenth flight of Discovery is scheduled for 9:21 AM EDT (1321 Z) on April 12 from Kennedy Space Center, Fla., launch pad 39-B, into a 330 by 310 nautical mile, 28.5 degree orbit. Nominal mission duration is expected to be 5 days 1 hour 15 minutes. Deorbit is planned on orbit 75, with landing scheduled for 10:36 AM EDT (1436 Z) on April 17 at Edwards Air Force Base, California.

Launch Site: Kennedy Space Center, Fla.
Launch Complex: 39B

Orbiter: Discovery (OV-103)
Altitude: 330 nm circular
Inclination: 28.45
Duration: 5 days, 1 hour, 15 minutes

Landing Date/Time: April 17, 1990, 10:36 a.m. EDT

Primary Landing Site: Edwards Air Force Base, Calif.

Abort Landing Sites: Return to Launch Site -- KSC

Abort Once Around - Edwards AFB, Calif.

Crew:
Loren J. Shriver - Commander
Charles F. Bolden Jr - Pilot
Steven A. Hawley - MS-2
Bruce McCandless II - MS-1 and EV1
Kathryn D. Sullivan - MS-3 and EV2

Cargo Bay Payloads:
Hubble Space Telescope
IMAX Cargo Bay Camera

Middeck Payloads:
Ascent Particle Monitor (APM)
Investigations into Polymer Membrane Processing (IPMP)
Ion Arc (Student Experiment)
Protein Crystal Growth (PCG-III)

EVENT	MET (d:h:m:s)	RELATIVE VELOCITY (fps)	MACH	ALTITUDE (ft)
Launch	00/00:00:00			
Begin Roll Maneuver	00/00:00:09	160	.14	605
End Roll Maneuver	00/00:00:15	313	.28	2,173
SSME Throttle Down to 67%	00/00:00:28	656	.58	7,771
Max. Dyn. Pressure (Max Q)	00/00:00:51	1,155	1.07	25,972
SSME Throttle Up to 104%	00/00:00:59	1,321	1.26	33,823
SRB Staging	00/00:02:06	4,145	3.77	159,670
Negative Return	00/00:04:06	7,153	7.15	341,470
Main Engine Cutoff (MECO)	00/00:08:33	24,768	23.18	361,988
Zero Thrust	00/00:08:39	24,783	22.65	366,065
ET Separation	00/00:08:51			
OMS 2 Burn	00/00:42:38			
HST Deploy (orbit 19)	01/05:23:00			
Deorbit Burn (orbit 75)	05/00:03:00			
Landing (orbit 76)	05/01:15:00			

Apogee, Perigee at MECO: 325 x 27 nm
Apogee, Perigee post-OMS 2: 330 x 310 nm

Apogee, Perigee post deploy: 332 x 331 nm

[From: NASA]

* WELCOME ABOARD! *
===================
Interested in learning more about the Amateur Radio Service? For information
on licensing requirements and operating privileges, write:

The American Radio Relay League
225 Main Street
Newington, Connecticut 06111
U.S.A.

* FEEDBACK WELCOMED *
=====================
Feedback regarding SpaceNews can be directed to the editor (John) via any
of the following paths:

UUCP   : ...uunet!masscomp!ocpt!tsdiag!ka2qhd!kd2bd
AX.25 : KD2BD @ NN2Z.NJ.USA.NA

MAIL   : John A. Magliacane
Department of Electronics Technology
Advanced Technology Center
Brookdale Community College
Newman Springs Road
Lincroft, New Jersey 07738
U.S.A.

<eof>

--
AMPR : KD2BD @ NN2Z (Neptune, NJ)
UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
"For every problem, there is one solution which is simple,
neat and wrong." -- H.L. Mencken

From -2962893171697076901
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a98de9a2c629ce44
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-07 18:18:19 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery)
Newsgroups: rec.ham-radio
Subject: Re: Low Frequency Transmitters
Message-ID: <1990Apr8.011819.15197@NCoast.ORG>

Date: 8 Apr 90 01:18:19 GMT
References: <40990@iuvax.cs.indiana.edu>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery)
Followup-To: rec.ham-radio
Organization: North Coast Public Access UN*X, Cleveland, OH
Lines: 23
Posted: Sun Apr 8 02:18:19 1990

As quoted from <40990@iuvax.cs.indiana.edu> by commgrp@silver.ucs.indiana.edu
(BACS Data Communications Group):
+---------------
| >VLF transmitter for LW beacon application. I understand there
| >is a frequency range somewhere around 150 Khz where experimental
| >beacons are A-OK. Does anyone have any information on this
|
| The U.S. has an unofficial "ham" band at 160-190 kHz (1750 meters).
| Part 15 of FCC Rules and Regulations permit license-free operation in
| that band with the limitations of one watt transmitter power and 50
| feet maximum antenna length.
+---------------

Interesting. "Few QSOs" there may be, but I've heard at least one of them. I thought either I'd overheard pirates or the radio was acting up: I was about a mile from a set of TV transmitters, and within 8 miles of many other TV and AM/FM broadcast band transmitters; the radio was getting overloaded and doing *weird* things. But I could identify the "overloads" quite easily by their characteristics; the QSO I picked up didn't act like an overload.

++Brandon
--
Brandon S. Allbery (human), allbery@NCoast.ORG (Internet), BALLBERY (MCI Mail)
ALLBERY (Delphi), uunet!cwjcc.cwru.edu!ncoast!allbery (UUCP), BrandonA (A-OL)

From -2337078825087156974
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f136353b7b05a115,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-08 05:18:15 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cica!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Worthwhile non-amateur use of 902-928 Mhz
Keywords: We'll Get Screwed
Message-ID: <0wP0g1w161w@w8grt.fidonet.org>
Date: 7 Apr 90 17:18:20 GMT
References: <1990Apr6.155415.15826@elroy.jpl.nasa.gov>
Organization: QRV de W8GRT
Lines: 22
Posted: Sat Apr 7 18:18:20 1990

jta@hydra.Jpl.Nasa.Gov (Jon T. Adams) writes:

```
> In article <7359@lynx.UUCP> neal@lynx.lynx.cmp.UUCP (Neal Woodall) writes:
> >In article <35654@cci632.UUCP> dvh@cci632.UUCP (David Hallidy) writes:
> >
> >>The impact of 1 Watt license-free equipment is already being felt on this
> >>band- the wireless stereo speakers that are now available immediately come
> >>to mind.
> >...
>
> Tee Hee Hee - Sorry Neal, but you don't understand how amateur radio works...
> What will happen is that the purchasers of the wireless products will complai
> to the manufacturer or to his representatives, then the manufacturer will lob
> Congress and the FCC; the good ole' FCC, with their Laissez-faire attitude
> will change the rules to remove us from the band or further restrict our
> operations.  The ARRL, when approached by us to do something to resolve this
> crisis, will claim that they are pursuing the matter, but that they're more
> worried about losing 160m privileges in the lower part of west Idaho...

Come now, the ARRL is right in the thick of really important breakthroughs
in computerizing logs for the next DX contest on the Antique Wireless
Museum bands (HF).


From 5126305822120086435
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,266d209f2bd5284b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,266d209f2bd5284b,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-04-08 09:46:14 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!att!tsdiag!
ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: News From OSCAR-11 (07-Apr-90)
Keywords: Amateur Satellite News From SPACE
Message-ID: <260@ka2qhd.UUCP>
Date: 8 Apr 90 16:46:14 GMT
Organization: KA2QHD PBBS SYSTEM, OCEAN NJ
Lines: 98
Xref: gmdzi rec.ham-radio:10776 sci.space:11271
Posted: Sun Apr  8 17:46:14 1990




**UOSAT 2 COMPUTER STATUS INFORMATION**

FAD1 Operating System v2.0b
Today's date is 8 /4 /90 (Sunday)
Universal Time is 14 :20 :58
Auto Mode is selected
```

```
SPIN PERIOD IS - 281

Z  MAG firings = 0
+ SPIN firings = 5
- SPIN firings = 1
RAM Wash Pointer at F67
WOD commenced 8 /4 /90 at 0 :0 :10
with channels 2 ,61 ,
Last cmd was 109 TO 0 WITH DATA 0

Attitude control initiated, mode 1

Digitalker active
```

**** UoSAT-OSCAR-11 BULLETIN 212 07 April 1990

UoSAT MISSION CONTROL CENTRE
University of Surrey, Guildford, Surrey, GU2 5XH, England

** UoSAT-OSCAR-14 ** (de G3YJO)

Preliminary tests have been carried out by G0/K8KA & G3RUH using the PACSAT Communications Experiment as a 9.6kbps digipeater, and early data has been received from the Cosmic Particle Experiment.

** UoSAT-OSCAR-15 **

The team at Stanford have succeeded in detecting local oscillator (LO) leakage from the UO-15 command receiver whilst the spacecraft was in eclipse - indicating that the on-board NiCd battery is indeed functioning. Tests to check the command system now follow.

** DOVE-OSCAR-17 ** (ASR)

AMSAT Command Station N4HY is using Mode S to upload software, however, due to a low index of modulation and high Doppler shift on the DOVE S-Band transmitter, DSP techniques are being used to copy the packets transmitted on 2401.220 MHz.

** RUDAK-2 ** (DB2OS & DJ0HC/KE6MN)

RUDAK-2 has now been integrated into a Soviet Geological research satellite, GEOS, scheduled to fly in July. RUDAK-2 will not only carry a Mode B linear transponder but also a variety of packet radio experiments with data rates from 400-9600 bps using various modulation schemes. It will be compatible with AX.25 protocols and those amateurs equipped for FO-20, PACSAT, LUSAT, AO-13 PSK telemetry, and UO-14.

Linear Transponder Uplink: 435.030 - 435.120 MHz (90 KHz)
Linear Transponder Downlink: 145.880 - 145.970 MHz (inverted)
O/P Power: 12 watts max.
Beacon : 145.880 MHz, CW telemetry.

Gain of satellite RX/TX antennas: 2.3 dBi each (dipoles)
Input sensitivity: -125 dBm (435 MHz) for a C/No of 45 dB/Hz

SAT-RX-1: 435.016 MHz +-10 KHz 1200 bps, FSK, NRZIC/Biphase-M (JAS, PACSAT)
SAT-RX-2: 435.155 MHz +-10 KHz (AFC) 2400 bps, BPSK, Biphase-S
SAT-RX-3a: 435.193 MHz +-10 KHz (AFC) 4800 bps, RSM, NRZIC/Biphase-M
SAT-RX-3b: 435.193 MHz +-10 KHz (AFC) 9600 bps, RSM, NRZI (NRZ-S) +Scrambler
SAT-RX-4: 435.041 MHz +-10 KHz (digital AFC) RX for RTX-DSP experiments

The downlink can be switched to the following operating modes:
Transmit frequency: 145.983 MHz

Mode 1: 1200 bps, BPSK, NRZI (NRZ-S) (like FO-20)
Mode 2: 400 bps, BPSK, Biphase-S (AMSAT mode for OSCAR-13 beacon)
Mode 3: 2400 bps, BPSK, Biphase-S (planned for OSCAR-13)
Mode 4: 4800 bps, RSM, NRZIC (Biphase-M) (like 4800 bps uplink)
Mode 5: 9600 bps, RSM, NRZI (NRZ-S) + Scrambler (like 9600 bps uplink)
Mode 6: CW keying (only for special events)
Mode 7: FSK (F1 or F2B), e.g. RTTY, SSTV, FAX, etc. (only for special events)
Mode 8: FM modulated by D/A signals from DSP-RISC processor (e.g. speech)

RUDAK-2 is a joint project of AMSAT-U-ORBITA, the Adventure Clubs in Moscow and the AMSAT-DL/RUDAK Group in Marburg, Munich and Hannover.

** $BID **

Please use BID $UOSAT.212 for PR BBS use.

--
AMPR : KD2BD @ NN2Z (Neptune, NJ)
UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
"For every problem, there is one solution which is simple,
neat and wrong." -- H.L. Mencken

From -2136785169836894344
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e23d8df49c00ece
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-08 12:46:08 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!att!drutx!druhi!tsf
From: tsf@druhi.ATT.COM (FisherTS)
Newsgroups: rec.ham-radio
Subject: Re: how to achieve 20WPM ?
Keywords: this really is about increasing cw speed :-)
Message-ID: <4734@druhi.ATT.COM>
Date: 8 Apr 90 19:46:08 GMT
References: <7785@b11.ingr.com>
Organization: AT&T, Denver, CO
Lines: 46
Posted: Sun Apr 8 20:46:08 1990

To all you future extra classers out there:

For almost 30 years I was content with a general class license. I listened to ARRL code practice now and then, just to see if I could still copy 13wpm. And I worked mostly CW, because with limited power, and using only indoor antennas, I wanted to get out as far as possible.

Then someone kindly pestered me to try the ARRL CW contest. I got hooked on contests. Then they pestered me some more to upgrade to Advanced and Extra.

Two weeks ago I got a hamfest flyer that said a VE test session would be held. So I dug in to the Advanced study guide, about an hour a night after work. That wasn't too bad, so I got the Extra study guide too, thinking, what the heck, get the written tests out of the way and then really go for the code. I finished the extra stuff, and with two days to go until the hamfest, I started in on the computer tutor :-). I concentrated on QSOs sent at 25, spaced for 22wpm. The day of the hamfest, I could copy about a half page without missing too much - I couldn't do random words or code groups very well at all.

I got to the VE session, and the 20wpm test was first on the agenda. They played a tape in a boom box at the front of a big empty room. The test started, and I could hardly write. The QSO was a lot wordier than the simulated QSOs I'd practiced on, but guess what.. they sounded a lot like what I'd copied on the air for so many years. The code sounded fast, but a LOT slower than the code I had copied during CW contests.

The test finally ended, and they handed me the question sheet. I had missed most of the word "carpenter" but I guessed. I had missed the state "maine", but I had "m.in". I got those two guesses right, and choked on the transmitting station's call (I put down the called station's call!!). SO I PASSED WITH ONE WRONG!

Then two more miracles happened when I passed the Advanced and Extra written tests.

The moral is: You can do it too!! Real QSO's (static, fading, poor fists, unpredictable info), CW contest or two, and computer tutors all seem to help. Also, stay tuned in during the test as if you're copying your first rare DX or something. Get every character you can - guesses count these days. GO FOR IT!

de N0GOS/AE   with thanks to N2IC   att!druhi!tsf   Tom Fisher

```
From 5423582764923024344
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c89fa076bbcb3f1,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1990-04-13 15:06:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
cs.utexas.edu!asuvax!mcdphx!hrc!hw-4h63!taylord
From: taylord@hw-4h63.UUCP (David Taylor)
Newsgroups: rec.ham-radio
Subject: RFI
Message-ID: <49c90e07.147ae@hw-4h63.UUCP>
Date: 13 Apr 90 22:06:00 GMT
Organization: gte
Lines: 14
Posted: Fri Apr 13 23:06:00 1990

Since I am better acquainted with this 'posting' of news, I would like to ask for advice on the same referenced subject. However, I would like to know if anyone out there knows an attorney I may consult on the ref. subject. Also, does anyone imagine what grounds there is for a lwsuit against me--that my rig causes very anoying RFI even when the stereeo is not on? (Realize I understand the reasons for this RFI but that the neighbor is not cooperating). I've already contacted the FCC field office here in Arizona (Douglas) and forwarded a full report, including a history on this case as well as details of what I've done to my gear. I have no interference problems in my household--I dare not (the XYL..know what I mean?).

So......wat say de WA6PBJ

From -7269441089228668299
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e23d8df49c00ece
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-13 17:40:31 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: how to achieve 20WPM ?
Message-ID: <30500497@ux1.cso.uiuc.edu>
Date: 14 Apr 90 00:40:31 GMT
References: <7785@b11.ingr.com>
Lines: 14
Nf-ID: #R:b11.ingr.com:7785:ux1.cso.uiuc.edu:30500497:000:643
Nf-From: ux1.cso.uiuc.edu!phil   Apr 13 15:12:00 1990
Posted: Sat Apr 14 01:40:31 1990

Why is it that the ability to copy Morse Code onto paper is the desired goal? Are there any cases of need to copy voice onto paper?

Well, of course one would copy radiograms onto paper, whether sent by voice or sent by Morse Code. And there is a provision on the code test whereby a minute of solid copy passes the test.

I just don't see why I need to be burdoned with the concept of actually copying code to paper. What is wrong with copying code in your head just like you do voice?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 8858729278046297528
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d249ea0f5d095d9e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-13 17:40:39 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Lo-Jack
Message-ID: <30500498@ux1.cso.uiuc.edu>
Date: 14 Apr 90 00:40:39 GMT
References: <9004091239.AA00049@adam.DG.COM>
Lines: 12
Nf-ID: #R:<9004091239.AA00049@adam.DG.COM>:-32:ux1.cso.uiuc.edu:30500498:000:526
Nf-From: ux1.cso.uiuc.edu!phil   Apr 13 15:17:00 1990
Posted: Sat Apr 14 01:40:39 1990

>   Several drawbacks: (1) Nothing happens until you notice your
> car's gone. (2) Smart crooks leave the cars to cool off for a day or
> two before picking them up again. (3) You need a cop who knows how to
> DF.

Nothing happens unless the police decide to pull up your VIN number, act like it is reported stolen, and proceed to track your location and movement.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -5639753232489511882
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d249ea0f5d095d9e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-13 20:53:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!att!tsdiag!ka2qhd!johnd
From: johnd@ka2qhd.UUCP (John Decatur KA2QHD)
Newsgroups: rec.ham-radio
Subject: Re: Lo-Jack
Message-ID: <268@ka2qhd.UUCP>
Date: 14 Apr 90 03:53:48 GMT
References: <9004091239.AA00049@adam.DG.COM> <644@ssc.UUCP>

Organization: KA2QHD PBBS SYSTEM, OCEAN NJ
Lines: 8
Posted: Sat Apr 14 04:53:48 1990

Gee I wonder if we could interest the police in mutual DF practice. 8-)

73 de ka2qhd

--

UUCP: rutgers!petsd!tsdiag!ka2qhd!johnd   or johnd@ka2qhd.uucp

From -3298967781743346925
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16f94582734e9cc5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-14 02:40:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: ARRL Insurance
Message-ID: <30500499@ux1.cso.uiuc.edu>
Date: 14 Apr 90 09:40:57 GMT
References: <5404@helios.ee.lbl.gov>
Lines: 26
Nf-ID: #R:helios.ee.lbl.gov:5404:ux1.cso.uiuc.edu:30500499:000:1336
Nf-From: ux1.cso.uiuc.edu!phil   Apr 14 03:25:00 1990
Posted: Sat Apr 14 10:40:57 1990

> Does the ARRL insurance cover mobile rigs if they are thieved while
> in someone else's car? Quoting from the info pamphlet "Your
> equipment & accessories are covered in your car as well as your home."

Apparently not. Don't loan equipment or even borrow equipment as it is not covered under these circumstances by this policy. Some homeowners or renters policies will cover things under some circumstances that the ARRL policy will not. You need to shop for your insurance both on the basis of rates AS WELL AS ON THE BASIS OF TERMS. You need to see the actual policy wording. Insurance salemen don't like to get this information to you until you are sold, though, so you will need to push them for it.

> Can I schedule general purpose test gear like scope's, dmms?

I doubt it. The plan does cover computer hardware associated with your amateur station, and up to $1000 worth of software (provided of course you list the items and pay the appropriate premium).

> Whenever I try to phone the administraters of the plan,
> A.H. Wohlers & Co, to ask them directly, I always get a busy signal.

Which number are you calling? Of course I bet they are real busy these days.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 4664001755245195688
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4906f586930abc64,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-14 08:30:43 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!samsung!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: arrl
Message-ID: <1481@n8emr.UUCP>
Date: 14 Apr 90 15:30:43 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 214
Posted: Sat Apr 14 16:30:43 1990

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==============================================================
|         Relayed from packet radio via                 |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ RTTYDX $RTDX1304
RTTY DX Notes, 1of3, 4/13/90

RTTY DX Notes for Weekending 13th April 1990.
Part 1 of 3.
BID: $RTDX1304

I would like to repeat some comments that I have made before. It concerns the removal of the Bulletin Identification Number (BID number) of these notes. It has been reported that in some instances the BID number has been removed and replaced with a local BID number. This has caused confusion, and some bbs suffer the multiple delivery of the DX notes with different BID numbers. Please only pass on the received BID number. If you cannot do this, then allow someone else who can pass on the correct BID to do so. Then of course we have the stations who remove the opening stanza and the credits as well as the signoff, and pass the notes along as (my) DX notes for the week. Chaps, if you think that you can do a better job, please let me know and I will let you do the whole thing. A happy Easter to you all.

Our thanks this week go to I5FLN, I5ICY, I5IGQ, JA1ACB, JA1BLV, OD5NG, TG9VT, VK2EG, W1DA, W2JGR, W0LHS and the Tri-State DX Association VHF packet cluster. Thank you all for your information and interest. May you all have a happy and DXing Easter.

Bandpass:

Friday 6:

SU1HN	14085	at	0046Z	QSL
TA3D	14088	at	0115Z	QSL
5N8ALE	14089	at	0520Z	
BY1QH	14085	at	1340Z	
VS6VC	14083	at	1350Z	
YB0PHM	14084	at	1410Z	
YL1WR	14090	at	1530Z	
FR5FI	14088	at	1645Z	
HI8BG	14089	at	2225Z	
ZD9TR	14089	at	2250Z	

Continued in part 2.
/EX
SB RTTYDX @ RTTYDX $RTDX1404
RTTY DX Notes, 2of3, 4/13/90

RTTY DX Notes for Weekending 13th April 1990.
Part 2 of 3.
BID: $RTDX1404

Saturday 7:

TU4IK	14088	at	0015Z	
EA9MY	14082	at	0415Z	
TJ1MW	14084	at	0630Z	
BY9GA	21086	at	0906Z	Z23
HI8BG	14083	at	1105Z	
ZS8MI	14086	at	1310Z	
UM8MU	21090	at	1410Z	
NH2/KD7P	21089	at	1420Z	
A51JS	21084	at	1520Z	
A41KC	14090	at	1737Z	
BV4VB	21086	at	1815Z	
ZP5FGS	21086	at	1820Z	
LY1BYL	21084	at	1823Z	
SV9ADO	14091	at	1958Z	

Sunday 8:

EA9MY	14083	at	0433Z
CE0ZIG	14083	at	0435Z
UO4OWQ	14088	at	0510Z
A51JS	28084	at	1258Z
BV4VB	14080	at	1410Z
9J2AL	28092	at	1753Z
5V7DP	28093	at	1753Z

```
J28TY       14085  at  1921Z
UA9WJ       14086  at  2020Z
FM5WD       14082  at  2300Z  QSL

Monday 9:
LY2WW       14086  at  0155Z
TU2AK       14086  at  0200Z
V44KW       14090  at  0405Z
KP2N        14083  at  0415Z  QSL
SV2WT       14075  at  0620Z  FEC
BY1QH       14086  at  1305Z
J28TZ       21090  at  1424Z
TL8TM       21090  at  1425Z
XV0SU       14083  at  1626Z  QSL/Note
UY5EG       21089  at  1630Z
JX9CAA      14084  at  1712Z
FM5BX       14088  at  2056Z
ZP6XDW      21088  at  2325Z

Tuesday 10:
TA3D        14085  at  0030Z
UW0TM       14092  at  1245Z
XV0SU       14082  at  1530Z
RF6FC       14094  at  1742Z
4U1UN       14091  at  2115Z  QSL
PZ1BS       14090  at  2124Z  QSL
BY1QH       14086  at  2350Z
SU1HN       14086  at  2355Z

Continued in part 3.
/EX
SB RTTYDX @ RTTYDX $RTDX1504
RTTY DX Notes, 3of3, 4/13/90

RTTY DX Notes for Weekending 13th April 1990.
Part 3 of 3.
BID: $RTDX1504


Wednesday 11:
FM5WL       14088  at  0340Z
RF6FC       14088  at  0410Z
SV2WT       14085  at  0526Z
S92LB       14086  at  0707Z  QSL
TA3D        21089  at  1453Z
YI1BGD      14094  at  1700Z  QSL
YV0AA       14085  at  2050Z  QSL
SU1HN       14081  at  2245Z
PZ1BS       14090  at  2355Z

Thursday 12:
HH2BZ       14085  at  0045Z
UA9YE       14085  at  0315Z
```

```
YV0AA       14087  at  0420Z
XV0SU       21082  at  1415Z
```

QSL Information:

SU1HN is Hamed Hassar, Box 1578, Alf Naskah, Cairo, Egypt.

TA3D is at Box 963, Ismir, Turkey.

FM5WD QSLS via W3HNK.

KP2N cards go to K8OHC.

XV0SU says to QSL to Box 308, Moscow 103009, USSR.

4U1UN was operated by NA2K, and he will look after the cards.

PZ1BS says to QSL to Box 831, Paramaribo, Surinam.

S92LB QSL address is Box 147, Sao Tome.

YI1BGD says to QSL to Box 7075, Baghdad.

YV0AA will QSL via Box 2285, Caracas 1010-A Venezuela.

Notes Of Interest:

ZL1AMO: It was reported that ron would be active from this week for a two week stint on ZK2RW, but so far no sign of him.

Jarvis should start this weekend with the call of either AH3C/KH5J or AH3C/KH1J, from the 13th through to the 23rd. No reports so far.

XV0SU: Alex reports that Spratly should start up next weekend for a two week operation.

Remember the St. Peter and St. Pauls Rocks operation last year signing ZY0SY? They had only 37 contacts before their computer blew up. So far they have received only 22 cards. If you worked them and have not received a card, send your request to Natal DX Group, CP597,
59021 Natal RN, Brasil.

Nothing has been heard from Burma as yet. Keep your fingers crossed.

Have a happy Easter with lots of good DX.

GL DE DX1 (VK2SG) VIA TG9VT.

Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA
/EX
SB DAYTON @ RTTYDX $KT7H0413

Digital Suite at Dayton!

BID: $KT7H0413

Looking for a place to meet fellow packet and RTTY hams at the Dayton Hamvention? On Friday night I will be hosting the Digital Suite in room 425 at the Downtown Stouffers. This will also be a place for USENET and Fidonet (landline BBS) hams who have been looking for a Dayton meeting spot.

This will be for Friday night only, BYOB, non-smoking. If you forget the room number (425), look for signs next to the elevator in the lobby.

DON'T FORGET! STOUFFERS, ROOM 425, FRIDAY APRIL 27TH!

73,

Tad
KT7H @ N7HFZ.WA.USA.NA
/EX
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From -6629298771212800377
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f6623d7c53dca68e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-14 10:57:07 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!sdd.hp.com!ncr-sd!ncrlnk!ncrwic!encad!enprt!hburford
From: hburford@enprt.Wichita.NCR.COM (Harry Burford)
Newsgroups: rec.ham-radio
Subject: Re: Repeater on Space Station Freedom
Keywords: Space Station, Freedom, Radio, Amateur
Message-ID: <636@enprt.Wichita.NCR.COM>
Date: 14 Apr 90 17:57:07 GMT
References: <862@tsdiag.ccur.com>
Organization: NCR Corporation, Wichita KS
Lines: 24
Posted: Sat Apr 14 18:57:07 1990

davet@tsdiag.ccur.com (Dave Tiller N2KAU) writes:

>Has anyone petitioned NASA to have the first Amateur repeater on Space
>Station Freedom? I'd love to have my call broadcast for all those
>David E. Tiller   davet@tsdiag.ccur.com | Concurrent Computer Corp.

I like the idea! I would be in support of such a project. There are some issues, however ....

1. Since it is Amateur radio, there will certainly be some antenna height restrictions imposed <g>
2. Since it is Amateur radio, it will be the first thing to be blamed for TV problems everywhere.
3. Unless it is promoted well, everyone will call it a CB.
4. It will be necessary to have a control operator onsite.
5. How do you handle phone patches? MCI would like a per mile charge for long distance.

- keep us posted on your proposal status ...

hb
--
Harry Burford - NCR Peripheral Products Division, Printer Products
PHONE: 316-636-8016 TELEX: 417-465 FAX: 316-636-8889
SLOWNET: 3718 N. Rock Road, Wichita KS CALL: KA0TTY
C-$erve: 76367,151 SS: 9.5 Harry.Burford@Wichita.NCR.COM

From -8793069158856891573
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ebd7fa11e62df441
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,ebd7fa11e62df441
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-04-14 13:00:08 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!usc!elroy.jpl.nasa.gov!decwrl!fernwood!portal!cup.portal.com!mmm
From: mmm@cup.portal.com (Mark Robert Thorson)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Litz wire (long)
Message-ID: <28932@cup.portal.com>
Date: 14 Apr 90 20:00:08 GMT
References: <41761@iuvax.cs.indiana.edu>
Organization: The Portal System (TM)
Lines: 5
Xref: gmdzi sci.electronics:6253 rec.ham-radio:10842
Posted: Sat Apr 14 21:00:08 1990

Do the people who invent these snake-oil audio scams ever get rich?
I was just thinking that exposure of some speaker wire to intense radiation
might shoot some imperfections into the crystal lattice, to create more
conduction between layers of copper atoms. Just the thing to get a deeper,
more thundering bass and to sharpen the points on those highs.

From 5426527772180072384
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c19e1beb4370e0d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-14 13:33:51 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!dvinci!weyr!katz
From: katz@weyr.FIDONET.ORG (sylvan katz)

Newsgroups: rec.ham-radio
Subject: TS930s Problem
Message-ID: <635.26279072@weyr.FIDONET.ORG>
Date: 14 Apr 90 20:33:51 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 9
Posted: Sat Apr 14 21:33:51 1990

I have a TS930s with antennae tuner. Lately, as I am sending cw I have noticed that the ALC starts to drift lower so I turn up the carrier and it keeps drifting down until I lose that ALC. Can anyone give me any suggestions as what to look for or do? PS: I have never had to turn the carrier up to maximum. Sooner or later I fid a point usually a little over half way where the length of the QSO is less than the drift. Also, if I do not key the transceiver for a while the ALC is up to high and I have to turn the carrier down. I have soem ideas about the problem but I would like some other opinions. Thanks!

--
Sylvan Katz Ham: VE5ZX
203 Ball Crescent UUCP: alberta!dvinci!weyr!katz
Saskatoon, Sask Internet: katz@weyr.FIDONET.ORG
Canada S7K 6E1 Ham bands: below 14.025/21.025/28.025 @ 0100-0300Z
(306) 934-3168

From 3328898785250595277
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,de399186eea91d59
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-14 14:41:23 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!portal!cup.portal.com!HAVANAMOON
From: HAVANAMOON@cup.portal.com (Havana - Moon)
Newsgroups: rec.ham-radio
Subject: Re: WANTED: ALL band Portable Receiver
Message-ID: <28936@cup.portal.com>
Date: 14 Apr 90 21:41:23 GMT
References: <8595@cg-atla.agfa.com>
Organization: The Portal System (TM)
Lines: 10
Posted: Sat Apr 14 22:41:23 1990

ALL BAND PORTABLE RECEIVER
You might wish to give the Sangean ATS-803A a try. Sangean has come a long way over the past year. This portable --generally-- lists for around $189.00. Complete with keypad, memories, BFO and clock. Also manual tuning as well as "keypad tuning." An excellent performer for the price. This --of course-- is just my opinion.

P.S. Digital frequency readout is standard.

Havana Moon

From -4505814698986033367
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6b41899c129204a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,a6b41899c129204a,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 114aac,a6b41899c129204a,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,a6b41899c129204a,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-04-14 18:14:28 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.ham-radio.swap,rec.radio.shortwave
Subject: DAYTON!
Keywords: meeting place, Friday night, "Digital Suite", Stouffers
Message-ID: <651@ssc.UUCP>
Date: 15 Apr 90 01:14:28 GMT
Organization: very little
Lines: 34
Xref: gmdzi rec.ham-radio:10847 rec.ham-radio.packet:2072 rec.ham-radio.swap:392 rec.radio.shortwave:977
Posted: Sun Apr 15 02:14:28 1990

USENET MEETING PLACE AT DAYTON HAMVENTION

It's that time of year again! Year after year we see postings on USENET asking, "Where can USENET radio afficinados get together for an old fashioned eyeball at the Dayton Hamvention?"

In 1990 we have a place of our own.

Come to the Digital Suite on Friday, April 27 at the downtown Stouffers Hotel, room 425. I have a large suite reserved for packet, RTTY, USENET and Fidonet hams, so we can all get together and see what each other looks like (scary!).

This is at Stouffers, where many of the DX clubs host the infamous hospitality suites. . .where you can gab with famous DX and contest hams until the wee hours. And now we have our own hospitality suite!

Show up after 8pm, room 425, downtown Stouffers in Dayton, April 27th.

BYOB and non-smoking, please.

See you there!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -2169978553516554452
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1e1df54559c45eb3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-14 18:31:14 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!BLACKBIRD.AFIT.AF.MIL!
tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9004150738.AA15465@ucbvax.Berkeley.EDU>
Date: 15 Apr 90 01:31:14 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 348
Posted: Sun Apr 15 02:31:14 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #678 -
Alouette 1
1 00424U 62B-A  1 90 98.16856241  .00000362  00000-0  42367-3 0  2695
2 00424  80.4674 355.1073 0024381  90.7097 269.6838 13.67325560373121
ATS 3
1 03029U 67111  A 90 88.80489108 -.00000075  00000-0  99999-4 0  3113
2 03029  13.1000  21.8559 1511727 213.1891 136.3776  1.00274601 82004
Cosmos 398
1 04966U 71 16  A 90102.00402487  .00108106  17240-4  62599-3 0  7487
2 04966  51.5228  43.7976 2327137  23.3986 345.7391 10.93973445584411
Starlette
1 07646U 75010  A 90101.91374004  .00000004  00000-0  50503-4 0   245
2 07646  49.8249  59.9883 0205530 332.3424  26.6702 13.82135511766618
LAGEOS
```

```
1 08820U 76039  A 90102.18364844  .00000002  00000-0  00000 0 0   377
2 08820 109.8573 332.5293 0044648 252.2409 107.3591  6.38664229 69726
GPS-0001
1 10684U 78020  A 90101.12234615  .00000008  00000-0  99999-4 0  3576
2 10684  63.6880  91.6185 0116117 199.2933 160.2345  2.00557311 74506
GPS-0002
1 10893U 78 47  A 90 99.10000304 -.00000025  00000-0  00000 0 0  1092
2 10893  64.4124 332.5554 0163045  25.7026 335.1583  2.00547357 87288
SeaSat 1
1 10967U 78064  A 90102.05752185  .00001279  00000-0  48631-3 0  2608
2 10967 108.0122 183.7062 0000909 193.1678 166.9347 14.35550629616963
GPS-0003
1 11054U 78093  A 90100.89109535 -.00000025  00000-0  00000 0 0  1920
2 11054  63.9615 328.8143 0086643 115.0366 245.9456  2.00566557 84330
Nimbus 7
1 11080U 78098  A 90101.26897922  .00000168  00000-0  18146-3 0  6409
2 11080  99.2005   7.6971 0008291 264.8578  95.1628 13.83416710578787
GPS-0004
1 11141U 78112  A 90 99.99003455  .00000008  00000-0  00000 0 0  3046
2 11141  63.6912  91.5388 0060440 316.7113  42.8221  2.00560461 83012
GPS-0005
1 11690U 80 11  A 90 98.13598337  .00000009  00000-0  00000 0 0  9237
2 11690  64.1768  93.6804 0113107 204.4244 155.0494  2.00556724 88830
GPS-0006
1 11783U 80 32  A 90101.43692891 -.00000025  00000-0  00000 0 0   804
2 11783  63.7533 328.3681 0152658  60.8102 300.7395  2.00573818 72981
GOES 5
1 12472U 81049  A 90101.85784366 -.00000228  00000-0  99999-4 0  8481
2 12472   3.3103  76.7031 0002992 319.4139  40.7173  1.00239924 31583
DE 1
1 12624U 81 70  A 90101.09885031 -.00000007  00000-0 -25216-3 0  3617
2 12624  89.0569 148.5417 6210691 304.5676  11.5886  3.51023492259767
SME
1 12887U 81100  A 90102.15851303  .00037141  00000-0  76883-3 0  5575
2 12887  97.6476 145.8081 0001209 225.4580 134.6596 15.45690236471054
Salyut 7
1 13138U 82 33  A 90101.62597941  .00051677  00000-0  66344-3 0  1507
2 13138  51.6018 280.0038 0000189 230.2491 129.9163 15.58596241454458
Cosmos 1383
1 13301U 82 66  A 90100.14716778  .00000181  00000-0  20150-3 0  5437
2 13301  82.9358 350.6481 0028155 351.9105   8.1586 13.67816197388373
LandSat 4
1 13367U 82 72  A 90102.96242164  .00000692  00000-0  16315-3 0  2837
2 13367  98.1718 166.7535 0002523   2.0360 358.0842 14.57141287411806
IRAS
1 13777U 83  4  A 90 97.39232616  .00000091  00000-0  75356-4 0  7311
2 13777  99.0309 295.2728 0012469 218.1125 141.9158 13.98757444 37049
Cosmos 1447
1 13916U 83 21  A 90 94.42929210  .00000237  00000-0  23985-3 0  6815
2 13916  82.9407  66.5827 0038459 347.7414  12.2807 13.74024884352545
TDRS 1
1 13969U 83 26  B 90101.84800313 -.00000208  00000-0  00000 0 0  9445
2 13969   4.3199  66.6757 0006902 263.4646  96.1837  1.00274607 92418
```

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GOES 6
1 14050U 83 41  A 90 97.05742603  .00000122  00000-0  00000 0 0  1062
2 14050   2.0506  79.0541 0005316 223.2840 137.2487  1.00263415  9550
OSCAR 10
1 14129U 83 58  B 90 84.27862046 -.00000064  00000-0  00000 0 0  4622
2 14129  25.9479 212.4769 5985025 129.1636 301.2066  2.05882684 23004
GPS-0008
1 14189U 83 72  A 90 98.52442907  .00000007  00000-0  99999-4 0  7367
2 14189  63.3315  90.0702 0146830 219.5314 139.3840  2.00708845 49365
LandSat 5
1 14780U 84 21  A 90102.98908661 -.00000498  00000-0 -10562-3 0  1042
2 14780  98.2115 164.0118 0003626 115.1103 245.0493 14.57089561325225
UoSat 2
1 14781U 84 21  B 90 99.59599845  .00001872  00000-0  35652-3 0  6525
2 14781  97.9554 154.3796 0013847 103.2959 256.9785 14.65141902325925
GPS-0009
1 15039U 84 59  A 90101.58998716  .00000006  00000-0  00000 0 0  8778
2 15039  63.0410  89.1868 0021706 243.8643 115.9032  2.00611894 42705
Cosmos 1574
1 15055U 84 62  A 90 98.99259340  .00000160  00000-0  16169-3 0  8355
2 15055  82.9580 113.3276 0027485 152.0332 208.2308 13.73340470290573
GPS-0010
1 15271U 84 97  A 90101.98502460 -.00000025  00000-0  00000 0 0  7736
2 15271  63.2533 327.9578 0105147 325.8530  33.5336  2.00573632 39828
Cosmos 1602
1 15331U 84105  A 90102.34094288  .00003611  00000-0  49905-3 0  2052
2 15331  82.5355  61.9233 0022128 182.1216 177.9857 14.77722030298368
NOAA 9
1 15427U 84123  A 90100.26606308  .00000440  00000-0  25928-3 0  5025
2 15427  99.1673  98.5241 0014847 196.4215 163.6476 14.12511720274399
Cosmos 1686
1 16095U 85 86  A 90101.81834009  .00044454  00000-0  57190-3 0  5444
2 16095  51.6030 279.0397 0000888 252.3257 107.8861 15.58607847255582
GPS-0011
1 16129U 85 93  A 90100.66029037  .00000007  00000-0  00000 0 0  4516
2 16129  63.8477  90.0816 0122348 149.8802 210.8354  2.00510904 33002
Mir
1 16609U 86 17  A 90101.66933349  .00046273  00000-0  52017-3 0  5264
2 16609  51.6177 305.5989 0013467  18.6371 341.5624 15.62018693237713
SPOT 1
1 16613U 86 19  A 90101.69883050  .00000832  00000-0  40893-3 0  8349
2 16613  98.7045 177.0430 0001579  69.1579 290.9878 14.20021087 54493
Cosmos 1766
1 16881U          90102.44872688  .00002246  00000-0  31263-3 0  9153
2 16881  82.5234 120.9548 0020485 201.4610 158.5770 14.77256534199446
EGP
1 16908U 86 61  A 90 96.51913600  .00000014  00000-0  39817-3 0  1734
2 16908  50.0086 116.3154 0011133  15.7496 344.3683 12.44386633165932
NOAA 10
1 16969U 86 73  A 90101.50545581  .00000710  00000-0  32812-3 0  3631
2 16969  98.6062 130.9285 0014480 102.2384 258.0417 14.23539254185121
MOS-1
1 17527U 87 18  A 90102.65274862  .00003767  00000-0  28293-2 0  4666
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2 17527  99.1093 176.0362 0000440 100.0135 259.9018 13.94851949160125
GOES 7
1 17561U 87 22  A 90100.74693282 -.00000045  00000-0  99999-4 0  4646
2 17561   0.0871 110.0491 0006011 260.1427 349.8267  1.00273118  4741
Kvant-1
1 17845U 87 30  A 90101.79727795  .00046295  00000-0  52017-3 0   486
2 17845  51.6179 304.9562 0013658  17.6317 342.5065 15.62027076237736
DMSP B5D2-3
1 18123U 87 53  A 90102.95502312  .00000683  00000-0  37873-3 0  5216
2 18123  98.8213 294.4280 0014124 205.6561 154.3916 14.13959427145187
RS-10/11
1 18129U 87 54  A 90101.95344549  .00000169  00000-0  17470-3 0   965
2 18129  82.9310  17.4593 0010784 309.0284  50.9941 13.72076996140363
Meteor 2-17
1 18820U 88  5  A 90101.77359111  .00000235  00000-0  20079-3 0  2146
2 18820  82.5397  43.2463 0017091 146.6814 213.5425 13.84312561110991
DMSP B5D2-4
1 18822U 88  6  A 90102.94867977  .00000718  00000-0  34624-3 0  4388
2 18822  98.6578 343.3034 0007710  95.8487 264.3569 14.21362904113554
AO-13
1 19216U 88 51  B 90 98.16789877 -.00000112  00000-0  99999-4 0   849
2 19216  57.0155 160.8093 6926959 224.6613  52.5253  2.09702913 13932
OKEAN 1
1 19274U 88 56  A 90101.93748684  .00004531  00000-0  64264-3 0  7064
2 19274  82.5182 220.0379 0021368 343.2000  16.8742 14.76671000 95145
Meteor 3-2
1 19336U 88 64  A 90101.63487582  .00000391  00000-0  99999-3 0  4044
2 19336  82.5242 324.5006 0017687 115.1884 245.0975 13.16886816 82194
NOAA 11
1 19531U 88 89  A 90101.89290250  .00000789  00000-0  45509-3 0  2182
2 19531  98.9763  50.1507 0013278 109.9378 250.3224 14.11533812 79619
TDRS 2
1 19548U 88 91  B 90 98.92819893  .00000131  00000-0  99999-4 0   825
2 19548   0.0335 107.5560 0001861 284.6891 327.7704  1.00276112  4754
Cosmos 2001
1 19796U 89 11  A 90101.39725311 -.00001022  00000-0  99999-4 0  4274
2 19796  63.1225 101.3900 7118183 319.8897   4.9881  2.00642581  8467
GPS BII-01
1 19802U 89 13  A 90101.65668806  .00000016  00000-0  99999-4 0   758
2 19802  55.0618 200.0320 0058197 160.4952 199.7551  2.00563097  8413
Akebono
1 19822U 89 16  A 90101.79789272  .00012157  00000-0  85186-3 0  5081
2 19822  75.1508 271.1407 4196948 264.0034  48.1678  7.07146111 28723
Meteor 2-18
1 19851U 89 18  A 90 99.55871903  .00000190  00000-0  16080-3 0  1614
2 19851  82.5180 283.1388 0012985 193.5725 166.5065 13.83954825 56075
TDRS 3
1 19883U 89 21  B 90101.55989628 -.00000235  00000-0  99999-4 0   601
2 19883   0.0606  40.1272 0002589 290.7068  29.2278  1.00270212  3227
GPS BII-02
1 20061U 89 44  A 90101.34146011 -.00000032  00000-0  00000 0 0   575
2 20061  54.7434  18.5382 0082110 173.4588 186.6613  2.00561748  6159
Nadezhda
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1 20103U 89 50  A 90 99.62677150  .00000094  00000-0  93990-4 0   919
2 20103  82.9614 335.5469 0036262 228.5417 131.2624 13.73578247 38301
GPS BII-03
1 20185U 89 64  A 90101.31106473  .00000016  00000-0  99999-4 0   525
2 20185  54.9301 200.9079 0025945 148.3528 211.8362  2.00559930  4722
Activnyi
1 20261U 89 80  A 90101.66634036  .00004121  00000-0  12933-2 0  3825
2 20261  82.5887 270.7834 1259879 128.7424 243.3375 12.43505059 24323
Activnyi RB
1 20262U 89 80  C 90101.52514552  .00001451  00000-0  45186-3 0  1560
2 20262  82.5878 270.8926 1262127 129.1293 242.9012 12.43087097 24304
Magion 2
1 20281U 89 80  B 90102.13074436  .00003733  00000-0  11647-2 0  3966
2 20281  82.5875 270.4392 1259714 127.6097 244.6201 12.43707464 24382
GPS BII-04
1 20302U 89 85  A 90 98.04952754 -.00000029  00000-0  99999-4 0   496
2 20302  54.6795 319.9210 0038640 318.4403  41.3077  2.00568329  3341
Meteor 3-3
1 20305U 89 86  A 90 99.86183889  .00000068  00000-0  16336-3 0   738
2 20305  82.5487 266.1874 0016493 135.7622 224.4820 13.15855139 21960
COBE
1 20322U 89 89  A 90 99.54712035  .00004526  00000-0  30017-2 0   707
2 20322  99.0176 110.4849 0007516 190.7528 169.3474 14.01745106 19879
Kvant-2
1 20335U 89 93  A 90 99.87955389  .00025457  00000-0  29121-3 0  1660
2 20335  51.6177 314.6284 0013782  12.9597 356.6121 15.61873618 21085
GPS BII-05
1 20361U 89 97  A 90 96.34540844  .00000015  00000-0  99999-4 0   201
2 20361  54.9654 143.1808 0056126  63.3667 297.3041  2.00578504  2282
SPOT 2
1 20436U 90  5  A 90 98.63382949  .00000523  00000-0  26331-3 0   886
2 20436  98.7118 174.0451 0001079  99.2394 260.8957 14.20017830 10875
UO-14
1 20437U 90  5  B 90 97.22713134 -.00000298  00000-0 -11084-3 0   469
2 20437  98.6980 173.5339 0011972   6.1936 353.9352 14.28545574 10730
UO-15
1 20438U 90  5  C 90 97.23882879  .00000505  00000-0  21838-3 0   393
2 20438  98.7042 173.5404 0010965   8.6464 351.4873 14.28318895 10733
PACSAT
1 20439U 90  5  D 90 97.71241468  .00000788  00000-0  32935-3 0   382
2 20439  98.7109 174.0751 0012372   4.5554 355.5683 14.28654650 10802
DO-17
1 20440U 90  5  E 90 97.71059459  .00000838  00000-0  34893-3 0   315
2 20440  98.7110 174.0777 0012473   4.5127 355.6104 14.28693461 10804
WO-18
1 20441U 90  5  F 90 97.28452834  .00000573  00000-0  24353-3 0   273
2 20441  98.7034 173.6555 0012716   7.0264 353.1062 14.28797453 10744
LO-19
1 20442U 90  5  G 90 98.12125644  .00000777  00000-0  32352-3 0   346
2 20442  98.7064 174.4989 0013204   3.7794 356.3462 14.28868160 10868
GPS BII-06
1 20452U 90  8  A 90 90.57842283 -.00000000  00000-0  99999-4 0   280
2 20452  54.6144 259.1483 0034707  60.1881 300.1645  2.00566396  1283
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1 20478U 90 13  A 90 98.80510911  .00000116  00000-0  99999-4 0  1310
2 20478  99.1928 169.3034 0000783 150.6088 209.4667 13.94832467  8462
FO-20
1 20480U 90 13  C 90 93.62525126  .00000132  00000-0  34767-3 0   208
2 20480  99.0483 154.1880 0540612 217.3591 138.8750 12.83124235  7181
1990 013D
1 20491U          90 91.10108480 -.00000030          -30695-4 0   225
2 20491  99.0478 153.6359 0469989 211.7563 145.4383 13.02710974  6364
Soyuz TM-9
1 20494U 90 14  A 90 95.97463192  .00045741  00000-0  52136-3 0   674
2 20494  51.6179 334.3324 0012978 358.0134   1.9930 15.61674117  8394
1990 015C
1 20498U          90 81.09953213 0.00059706           13764-2 0   454
2 20498  41.6300  68.4127 0038152  27.2360 333.0469 15.40934956  5476
Raduga 25
1 20499U          90 81.06833755 0.00000001           10000-3 0   400
2 20499   1.4006 274.1312 0004873 103.7390 255.0465  1.00264606   352
1990 016D
1 20502U 90 16  D 90 84.10001850  .00000154  00000-0  99999-4 0   126
2 20502   1.4209 273.2174 0037369  64.0442 295.2518  1.00014886   405
Nadezhda 2
1 20508U 90 17  A 90 89.53681993  .00000248  00000-0  25568-3 0   143
2 20508  82.9505 117.9024 0043573 203.0499 156.8713 13.73193454  4217
1990 017B
1 20509U          90 87.68788679 0.00000347           35298-3 0   296
2 20509  82.9522 119.2241 0041578 186.2581 173.8063 13.74435282  3967
OKEAN 2
1 20510U 90 18  A 90 96.05608297  .00002176  00000-0  33554-3 0   469
2 20510  82.5286 164.1322 0020919 144.5079 215.7564 14.72879997  5458
1990 018B
1 20511U          90 89.05320873 0.00001995           30621-3 0   194
2 20511  82.5291 170.5611 0021053 166.6080 193.5693 14.73029041  4424
Progress M3
1 20513U 90 20  A 90 95.97459514  .00078138  00000-0  88165-3 0   460
2 20513  51.6179 334.3267 0013639 350.5949   9.2094 15.61698303  5637
INTELSAT-6
1 20523U          90100.96800550 0.00004099           28640-3 0   428
2 20523  28.3488 344.3797 0017616 182.0975 177.9594 15.02633047  4329
Cosmos 2060
1 20525U          90100.69870729 -.00013778          -22504-3 0   570
2 20525  65.0268 347.2528 0009688 266.1194  93.8733 15.52032661  4204
Cosmos 2061
1 20527U          90 99.94546430 0.00000132           13565-3 0   166
2 20527  82.9400 196.2923 0030061 214.2625 145.6587 13.71242583  2874
1990 023B
1 20528U          90 99.77814692 0.00000601           64237-3 0   316
2 20528  82.9442 196.3942 0024394 203.1142 156.8904 13.72637463  2846
GPS BII-07
1 20533U          90100.10966631 -.00000032                    0   147
2 20533  55.0255  18.6840 0033549  99.0456 261.3412  2.00592366   238
1990 025C
1 20535U          90100.07785315 0.00203000  16933-4  24817-2 0   267
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2 20535  37.5888   4.6427 6010911 213.6248  87.1530  4.12767559   632
1990 026A
1 20536U          90100.67029856 -.00000999          28262-2 0   236
2 20536  62.8571  22.7209 7366685 318.2869   4.7570  2.00642076   298
1990 026B
1 20537U          90100.83262635 0.01323241  12192-4  17767-2 0   279
2 20537  62.7576 331.9552 0186041 120.5532 241.4402 15.80879498  2220
1990 026C
1 20538U          90100.68530820 0.47393758  43559-4  36126-3 0   505
2 20538  62.7866 331.1544 0026737 120.1400 240.4755 16.50512695  2222
1990 026D
1 20539U          90 99.06138484 0.00001284          99954-2 0    72
2 20539  63.0309  22.6946 7343501 318.5213   4.7233  2.02986616   286
Offeq 2
1 20540U          90101.11071547 0.00574246 -10530-4  20537-2 0   192
2 20540 143.2265 141.6288 0916981 121.2674 248.0382 14.06216133  1075
1990 027B
1 20541U          90101.09628460 0.00968086 -11282-4  32128-2 0   162
2 20541 143.2240 141.7283 0896704 121.7538 247.7651 14.11661232  1074
1990 028A
1 20546U          90100.59929431 0.00010573          84763-3 0   132
2 20546  94.1492 179.2810 0133172 207.1945 152.2398 14.93359077   717
1990 028B
1 20547U          90 99.92407027 0.00002163          16827-3 0   108
2 20547  94.1477 178.9286 0128303 212.5970 146.7242 14.95193136   611
1990 029A
1 20549U          90 97.07860095 -.00000006                   0    64
2 20549  73.9797 249.2392 0017441 270.4692  88.4247 12.47013557   123
1990 029B
1 20550U          90100.04077674 -.00000006                   0    94
2 20550  73.9802 245.3258 0009036 303.5239  56.4962 12.48995555   493
1990 029C
1 20551U          90100.00877147 -.00000007                   0    84
2 20551  73.9803 245.2489 0049153  79.7320 280.9272 12.59478307   498
1990 029D
1 20552U          90100.01415842 -.00000007                   0    53
2 20552  73.9800 245.2599 0039657  88.1151 272.4444 12.57707560   493
1990 029E
1 20553U          90 99.93956716 -.00000006                   0    62
2 20553  73.9802 245.3572 0030759  82.5172 277.9375 12.56042683   482
1990 029F
1 20554U          90 99.70547261 -.00000006                   0    69
2 20554  73.9795 245.7278 0021662  80.1735 280.1765 12.54314661   455
1990 029G
1 20555U          90 96.67559983 -.00000007                   0    35
2 20555  73.9838 249.7718 0012245  67.5011 292.8498 12.52591944    70
1990 029H
1 20556U          90100.03546736 -.00000007                   0    67
2 20556  73.9809 245.3163 0002445  92.6218 267.5116 12.50727201   491
1990 029J
1 20557U          90100.94141506 0.00001049          95280-2 0    89
2 20557  73.9833 244.4160 0147839 266.8358  91.5752 12.22740936   594
1990 030A
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1 20558U          90101.10098148 -.00000192           10000-3 0    78
2 20558   0.2617   6.7782 0122391 217.7771 134.4341  0.99373696    66
1990 030B
1 20559U          90 99.60516748 0.00026683           80558-2 0    55
2 20559  31.2305  22.9242 7330446 180.2061 179.3345  2.21865383    58
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From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: * SpaceNews 16Apr90 *
Keywords: RUDAK-2, STS-31, Hubble Space Telescope News
Message-ID: <269@ka2qhd.UUCP>
Date: 15 Apr 90 02:02:12 GMT
Organization: KA2QHD PBBS SYSTEM, OCEAN NJ
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SpaceNews
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MONDAY APRIL 16, 1990

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* RUDAK-2 *

RUDAK-2 has now been integrated into a Soviet Geological research satellite, GEOS, scheduled to fly in July. RUDAK-2 will not only carry a Mode B linear transponder but also a variety of packet radio experiments with data rates from 400-9600 bps using various modulation schemes. It will be compatible with AX.25 protocols and those amateurs equipped for FO-20, PACSAT, LUSAT, AO-13 PSK telemetry, and UO-14.

Linear Transponder Uplink: 435.030 - 435.120 MHz (90 KHz)
Linear Transponder Downlink: 145.880 - 145.970 MHz (inverted)

O/P Power: 12 watts max.
Beacon : 145.880 MHz, CW telemetry.

Gain of satellite RX/TX antennas: 2.3 dBi each (dipoles)
Input sensitivity: -125 dBm (435 MHz) for a C/No of 45 dB/Hz

SAT-RX-1: 435.016 MHz +-10 KHz 1200 bps, FSK, NRZIC/Biphase-M (JAS, PACSAT)
SAT-RX-2: 435.155 MHz +-10 KHz (AFC) 2400 bps, BPSK, Biphase-S
SAT-RX-3a: 435.193 MHz +-10 KHz (AFC) 4800 bps, RSM, NRZIC/Biphase-M
SAT-RX-3b: 435.193 MHz +-10 KHz (AFC) 9600 bps, RSM, NRZI (NRZ-S) +Scrambler
SAT-RX-4: 435.041 MHz +-10 KHz (digital AFC) RX for RTX-DSP experiments

The downlink can be switched to the following operating modes:
Transmit frequency: 145.983 MHz

Mode 1: 1200 bps, BPSK, NRZI (NRZ-S) (like FO-20)
Mode 2: 400 bps, BPSK, Biphase-S (AMSAT mode for OSCAR-13 beacon)
Mode 3: 2400 bps, BPSK, Biphase-S (planned for OSCAR-13)
Mode 4: 4800 bps, RSM, NRZIC (Biphase-M) (like 4800 bps uplink)
Mode 5: 9600 bps, RSM, NRZI (NRZ-S) + Scrambler (like 9600 bps uplink)
Mode 6: CW keying (only for special events)
Mode 7: FSK (F1 or F2B), e.g. RTTY, SSTV, FAX, etc. (only for special events)
Mode 8: FM modulated by D/A signals from DSP-RISC processor (e.g. speech)

RUDAK-2 is a joint project of AMSAT-U-ORBITA, the Adventure Clubs in Moscow and the AMSAT-DL/RUDAK Group in Marburg, Munich and Hannover.

[From DB2OS and DJ0HC/KE6MN via OSCAR-11]

* STS-31 NEWS *

NASA managers set April 25 as the new target launch date for STS-31. This date is based on the decision to remove and replace Auxiliary Power Unit (APU) No. 1 on Space Shuttle Discovery and to allow time for recharging the Hubble Space Telescope (HST) batteries. The decision to replace APU #1 comes after examination of the APU controller by the manufacturer, which verified that no problems existed within the controller.

A new APU will serve as the replacement APU on Discovery. The recharging of the HST batteries will be accomplished by removing the batteries from the telescope and charging them in a laboratory. This allows the batteries to be serviced under the most favorable conditions while HST remains in the clean environment of the shuttle's cargo bay.

[From: Ron Baalke @ The Jet Propulsion Lab]

* WELCOME ABOARD! *

Interested in learning more about the Amateur Radio Service? For information on licensing requirements and operating privileges, write:

The American Radio Relay League
225 Main Street
Newington, Connecticut 06111
U.S.A.

* FEEDBACK WELCOMED *
=====================
Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

```
UUCP   : ...uunet!masscomp!ocpt!tsdiag!ka2qhd!kd2bd
AX.25  : KD2BD @ NN2Z.NJ.USA.NA

MAIL   : John A. Magliacane
         Department of Electronics Technology
         Advanced Technology Center
         Brookdale Community College
         Newman Springs Road
         Lincroft, New Jersey 07738
         U.S.A.
```

<eof>

```
--
AMPR : KD2BD @ NN2Z (Neptune, NJ)
UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
       "For every problem, there is one solution which is simple,
       neat and wrong." -- H.L. Mencken
```

From -6197420519293528665
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6b41899c129204a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-15 02:38:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: DAYTON!
Message-ID: <30500500@ux1.cso.uiuc.edu>
Date: 15 Apr 90 09:38:58 GMT
Lines: 32
Nf-ID: #N:ux1.cso.uiuc.edu:30500500:000:1548
Nf-From: ux1.cso.uiuc.edu!phil   Apr 15 01:22:00 1990
Posted: Sun Apr 15 10:38:58 1990

Dayton is getting closer. Here are the suggested frequencies whereby rec.ham-radio and info-hams people can communicate. Of course there will be lots of QRM especially at the Hara Arena on 2 meters. Three frequencies are suggested just in case someone is stuck on one band.

223.600
445.600
145.600

If you can get on 223.600, that should be the first place to try. Second will be 445.600, and finally if you must and can get through, go for 145.600. The first of these frequencies was suggested a while back and I added the UHF suggestion then. With this posting I am adding the 2 meter suggestion for those stuck on that band.

PL 118.8 (2B)

If you can transmit a PL/CTCSS tone, I suggest everyone use 118.8 hz (2B). That way those of us who can do tone squelching can cut out some of the QRM. This will be especially useful for those who are stuck on 2 meters.

Outside of the Hara Arena, simplex might not hit everybody. Perhaps you can try all three bands depending on your capabilities. The fallback is to call on repeaters. I suggest the primary keyword to say and to listen for be "usenet". Others such as "rec ham radio", "fidonet", and "info hams" might work, but might also be a bit more misleading to others. Due to the low number of repeaters for the significan ham crowd in Dayton, suggesting a particular one would probably be futile.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 3840591361704153945
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,45e0c71f990dca4b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-15 07:24:06 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!brutus.cs.uiuc.edu!
zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!STLAWU.BITNET!MROWEN
From: MROWEN@STLAWU.BITNET (Mike Owen W9IP)
Newsgroups: rec.ham-radio
Subject: 2-meter Au Beacon
Message-ID: <9004170705.AA25939@ucbvax.Berkeley.EDU>
Date: 15 Apr 90 14:24:06 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Sun Apr 15 15:24:06 1990

VHFers:

The W9IP/BCN Aurora beacon has changed frequency. It is now transmitting in the new 2-meter beacon band, at 144.294. Please pass the word to other VHFers who might use the beacon for Aurora propagation monitoring.

The beacon runs about 40 watts output, CW, to a 5-element beam which is pointed north. The site is on a fine hilltop about 10km from my QTH in Canton, NY (grid FN24). Transmission is unattended, signing "de W9IP/BCN FN24" followed by about 5 seconds of tone. The signal has a slight chirp. Reception reports are welcome.

From 5913447525731973019
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f6623d7c53dca68e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-15 09:07:41 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!briar.philips.com!rfc
From: rfc@briar.philips.com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Re: Repeater on Space Station Freedom
Keywords: Space Station, Freedom, Radio, Amateur
Message-ID: <91844@philabs.Philips.Com>
Date: 15 Apr 90 16:07:41 GMT
References: <862@tsdiag.ccur.com> <636@enprt.Wichita.NCR.COM>
Sender: news@philabs.Philips.Com
Reply-To: rfc@briar.philips.com.UUCP (Robert Casey)
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 13
Posted: Sun Apr 15 17:07:41 1990

In article <636@enprt.Wichita.NCR.COM> hburford@enprt.Wichita.NCR.COM (Harry Burford) writes:
>davet@tsdiag.ccur.com (Dave Tiller N2KAU) writes:
>
>>Has anyone petitioned NASA to have the first Amateur repeater on Space
>>Station Freedom? I'd love to have my call broadcast for all those
>>David E. Tiller   davet@tsdiag.ccur.com | Concurrent Computer Corp.
>
>I like the idea!   I would be in support of such a project.   There

If one of the astronauts is a ham, maybe he might have the repeater pair put into his spacesuit radio, for occasional ragchews? Of course, he can't spend much time talking, he has his work to do.
73s

From -5558390431101206009
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9a5e8b47bf88d153,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-15 12:00:44 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: RFI to Entertainment Devices

Message-ID: <XZNoH1w161w@w8grt.fidonet.org>
Date: 15 Apr 90 19:00:44 GMT
Organization: QRV de W8GRT
Lines: 14
Posted: Sun Apr 15 20:00:44 1990

By: Thomas Nofsinger
To: REC.HAM-RADIO
Re: RFI to Home Entertainment Apparatus

If the guy is using coax to go to his speakers, run the coax through a paper towel tube (core), placed as close to the speaker as possible. Cap one end of the tube and then fill the tube with metal filings &/or steel wool. Then cap the other end. This should make a fair RF choke (see page 40-6 in the 1990 ARRL Fanbook, Fig. 6 for an idea of how this may look. Chapter 40 is the Interference section.) I have done this, and the more metal you can pack in around the coax the better. Also, line the inside of the speaker with metal sheilding of some kind. Tom Nofsinger, N5FHZ.
--- RemoteAccess 0.02
 * Origin: Master Control - multi-line * Dallas * (214)238-1805 (1:124/5107)

From -3622219035492901849
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6dfe1d3ac47e2fe6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-15 12:39:44 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Die Hard... laughing, that is!
Message-ID: <XsPoH1w161w@w8grt.fidonet.org>
Date: 15 Apr 90 19:39:44 GMT
References: <118877@ti-csl.csc.ti.com>
Organization: QRV de W8GRT
Lines: 31
Posted: Sun Apr 15 20:39:44 1990

hoenig@osage.csc.ti.com (Mike Hoenig) writes:

> In article <RsHBH1w161w@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim G
> >neal@lynx.uucp (Neal Woodall) writes:
> >
> >> MCL9337@TAMVENUS.BITNET writes:
> >>
> >> >One day last year "me 'n' the boys" (the other guys in the Texas A&M...
> >>
> >> Now you begin to understand how gun owners and other gun-knowledgeable...
> >>
>   (Lots deleted to conserver space...)
> >
> >What blithering lunacy!!

> ^^^^^^^^^^^^^^^^^^^^^^^^
>   ...And I quote you directly.
>
> >Ham radios don't kill children playing in their schoolyard!!!
>
>   GUNS DO NOT KILL PEOOPLE! *PEOPLE* KILL PEOPLE!

With guns, most commonly....

> >If you don't see any difference between guns that kill and
> >radios that don't, then you yourself are part of the proof that guns MUST
> >be banned as soon as possible.
>
>   "You can take my gun from me when you pry it from my cold, dead
>   fingers!"

I rest my case....

From 2056072808556286256
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d5996f821c40dd5f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,86f84174cb797e1f,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-04-15 12:47:30 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!
jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: CAP frequencies
Message-ID: <V6PoH2w161w@w8grt.fidonet.org>
Date: 15 Apr 90 19:47:30 GMT
References: <28892@cup.portal.com>
Organization: QRV de W8GRT
Lines: 34
Xref: gmdzi rec.ham-radio:10853 rec.radio.shortwave:979
Posted: Sun Apr 15 20:47:30 1990

HAVANAMOON@cup.portal.com (Havana - Moon) writes:

> In response to a recent request for CAP frequencies, I am posting the
> following listing:
> --
>
>   CAP FREQUENCIES
>
>   2371 kHz
>   2374
>   4464.5
>   4467.5
>   4504.5
>   4507.5

```
>
>       4582    (Emergency Calling Frequency)
>
>       4585
>       4599.5
>       4602.5
>       4627
>       4630
>       7635
>       7918.5
>       14905
>       20873
>       26620
>
>       7635     |
>       7918.5   |  These frequencies are shared with the USAF in some regions
>       14905    |
```

Most USAF MARS and CAP HF assignments are shared with and secondary to the
USAF Air Training Command.

From -4599107120559903209
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6d561f08ffb8d310,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-15 14:54:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!princeton!phoenix!thoth!junglee
From: junglee@thoth.Princeton.EDU (Jung-Woo Lee)
Newsgroups: rec.ham-radio
Subject: Help: Looking for ON7LG
Message-ID: <15372@phoenix.Princeton.EDU>
Date: 15 Apr 90 21:54:55 GMT
Sender: news@phoenix.Princeton.EDU
Reply-To: junglee@thoth.Princeton.EDU ()
Organization: Princeton University
Lines: 15
Posted: Sun Apr 15 22:54:55 1990
Expires:30 July 90
Followup-To:rec.ham-radio

I am looking for an old friend of mine whom I lost
contact with 8 years ago while I was living in Korea.
His name is Geert and his Belgian call-sign was ON7LG.
He was working with ITT as an system engineer in Korea.

Could anyone who knows him help me to meet him again?
Please e-mail me if you could help me.
Thanks. 77&88.

Jung Lee (HL1SD)

mail: Electrical engr.

Princeton University
Princeton,NJ 08544
USA

From -8435750405198878335
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7883e9a557b669d9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-15 16:01:50 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!brutus.cs.uiuc.edu!uakari.primate.wisc.edu!uflorida!haven!adm!nlm-mcs!rkaplan
From: rkaplan@csb1.nlm.nih.gov (Richard Kaplan)
Newsgroups: rec.ham-radio
Subject: Packet Activity in Minnesota
Message-ID: <11989@nlm-mcs.arpa>
Date: 15 Apr 90 23:01:50 GMT
Sender: usenet@nlm-mcs.arpa
Organization: National Library of Medicine
Lines: 7
Posted: Mon Apr 16 00:01:50 1990

I will shortly be moving to Rochester, Minnesota (about 80 miles south of Minneapolis/St. Paul, and I was wondering how active the local packet community there is. If anyone out there is from around that region, please e-mail me with some info. Thanks.

Richard N4VRB

From -6528620550506058296
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f05a903a9bccf51c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-15 16:11:14 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!GTE.COM!pascoe%edcd.dnet
From: pascoe%edcd.dnet@GTE.COM (Dave Pascoe)
Newsgroups: rec.ham-radio
Subject: TM-701A mods
Message-ID: <9004152311.AA01164@bunny.gte.com>
Date: 15 Apr 90 23:11:14 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Mon Apr 16 00:11:14 1990

I would like to get in touch with any hams who have experience with mods on the Kenwood TM-701A dual-band mobile radio. Please e-mail.

```
-------
  Dave Pascoe KM3T/1    |     Internet: pascoe@edcd.gte.com
                        |               km3t%jjmhome@m2c.m2c.org
```

```
                          |         UUCP: {harvard}!bunny!edcd.gte.com!pascoe
                          |               {harvard}!m2c!jjmhome!km3t
                          | Packet Radio: km3t @ k1ugm.ma.usa.na


From -7611183569187261356
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,67e7ac9f98b37449,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-15 16:19:20 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!cs.utexas.edu!utastro!bigtex!
helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: International Fame
Keywords: CQ Ham Radio
Message-ID: <126@bongo.UUCP>
Date: 15 Apr 90 23:19:20 GMT
Organization: The Hole in the Wall  Hollywood California U.S.A.
Lines: 17
Posted: Mon Apr 16 00:19:20 1990



Someone in Japan sent me the April Issue of CQ Ham Radio. It came with
a small booklet Called "HAM Packet Radio News". In page 8 of this
booklet there is an English headline thats says:

Packet Radio in JA    N3EUA Bdale Garbee

The rest of the page is in Japanese hieroglyphics. Is this the same
Bdale as posts to this news group? Does he write in Japanese?

I think we should be told.

Yours
--
Julian Macassey, n6are  julian@bongo.info.com  ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495


From 5661714102475717621
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,19f5d78a2cd8172c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-15 16:23:53 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!mips!max!crisp
From: crisp@mips.COM (Richard Crisp)
Newsgroups: rec.ham-radio
Subject: Weather Satellite Frequencies
Message-ID: <37920@mips.mips.COM>
Date: 15 Apr 90 23:23:53 GMT
Sender: news@mips.COM
```

Reply-To: crisp@mips.COM (Richard Crisp)
Organization: MIPS Computer Systems, Sunnyvale, CA
Lines: 7
Posted: Mon Apr 16 00:23:53 1990

Can someone please post a listing of the frequencies of the polar orbiting weather satellites? Ones of interest include the NOAA series and the METEOR series as well as others in the 137mhz band.
Thanks

--
Making the world safe for technocracy.

From -4971298487100227480
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2afaf5824ac5a113,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-15 16:38:51 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!cs.utexas.edu!utastro!bigtex!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Earcom (Lear Siegler)
Keywords: Pin-outs needed.
Message-ID: <127@bongo.UUCP>
Date: 15 Apr 90 23:38:51 GMT
Organization: The Hole in the Wall Hollywood California U.S.A.
Lines: 28
Posted: Mon Apr 16 00:38:51 1990

A couple of years ago I paid $2.00 for a brand new Lear Siegler "Earcom" control box. It was such a deal, I couldn't pass it up, even if I didn't have a radio to use it with. It came in a Poly bag, but had no documentation or wires.

An Earcom is a device much beloved of SWAT teams and the Secret Service. It uses an earpiece of the "Shove it in yer ear" type that was the standard when hearing aids had tubes. The earpiece is connected to a belt mounted box (The Earcom unit). The Unit is then plugged into a walkie-talkie. Now you can hear in the earpiece, and when you want to talk, you push a momentary toggle switch which keys the radio and allows the earpiece to be used as a mike. I don't know how bad these things sound. I am pretty sure that they would be amusing in VOX mode cos burps, swallows etc should key the mike.

Anyhow, I do not have the earpiece, I need specs or a source. I would also like the pinout for the 4 pin Amphenol connector that seems to go to the radio. The earpiece would plug into an RCA audio jack. The thing seems to be powered by a standard 9V battery (PP9).

So if you have info, phone numbers, sources etc I would be delighted.

The Numbers on the Unit are: Model 1105 Serial 4981HW Logo is LSI.
Box is blue anodized aluminium.

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From -2397257478919729036
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1ff51d8d091c240,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-15 18:23:41 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: QEX April 90
Message-ID: <1491@n8emr.UUCP>
Date: 16 Apr 90 01:23:41 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 405
Posted: Mon Apr 16 02:23:41 1990

```
==============================================================
|         Relayed from packet radio via                 |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

QEX - The ARRL Amateur Radio Experimenter's Exchange

Gateway Column, Edited By Stan Horzepa, WA1LOU, April, 1990 - P 1 of 5

NEW TNC 2 FIRMWARE AVAILABLE

Tucson Amateur Packet Radio (TAPR) released TNC 2 firmware version 1.1.7. This new firmware release offers significant changes and enhancements including:

- Prioritized acknowledgment (PriACK) protocol

- Improved channel access methods (similar to "persistence")

- Improved compatibility when running AX.25 V1 (T3 may be disabled)

- Filtering to inhibit monitoring of NET/ROM, ROSE, TCP/IP and other networking packets

- Improved transmit timers (time- and/or character-based) and quick-release of PTT at the end of a frame

- Pre-frame synchronization of zeroes instead of flags for reduced TXDELAY

(to permit other stations to lock onto your transmissions faster)

- No dead-time between frames during multi-frame transmissions
- Improved KISS operation in the full-duplex mode (for Microsat and other applications)
- Improved RR/RNR buffer to provide "full-handling" for less channel congestion
- Improved modem demodulator calibration facilities
- Additional error (Health) counters
- Documentation of the format and location of the default parameters in EPROM for those who prefer a custom EPROM instead of trusting battery-backed RAM for remote site locations

Details of this new release of firmware is available from TAPR at PO Box 12925, Tucson, AZ 85732, telephone 602-749-9479. The firmware is also available as a binary file that may be downloaded from CompuServe's HamNet.

from Lyle Johnson, WA7GXD via CompuServe's HamNet

PACKET-RADIO SATELLITES STATUS REPORT

DO-17 Popular On 2-Meters; AO-16 and LO-19 Cross-Band Digipeating

Week seven at the AMSAT satellite factory finds each satellite closer to full commission for general use. DO-17 continues to excite newcomers to the world of amateur satellites with its ease of telemetry reception. Anyone with a 2-meter FM receiver tuned to 146.825 MHz, a 1/4-wave ground-plane antenna, and a standard TNC can receive telemetry packets from DO-17. By listening from 0800 through 1300 and 1900 through 2400 local time, several DO-17 passes may be monitored.

DO-17 transmits packets for approximately 2.5 minutes followed by an "off period" of approximately 30 seconds. As is true with each of the Microsats, the telemetry offers 59 telemetry points and the AMSAT Software Exchange has programs available that translate the data points into more easily recognizable information, ie, battery voltage, solar cell current, etc.

AO-16 and LO-19 have been available for digipeating packets. Numerous stations have successfully connected to "DX," as far as VHF-packet-radio operations are concerned, via these two birds. The store-and-forward capabilities of AO-16 and LO-19 have yet to be enabled, pending further testing.

The modulation protocol on these two birds requires using an external 1200-baud PSK modem instead of the FSK modem that is standard in commercial TNCs. To access AO-16 or LO-19 requires approximately 100-watts EIRP FM. Your downlink receiver must be set to USB or LSB. To digipeat through AO-16, you must use the address "PACSAT-1"; to digipeat through LO-19, use the address "LUSAT-1." The downlink and uplink frequencies of AO-16 and LO-19 are as follows:

AO-16:
downlink 437.025, 437.050 MHz
uplink   145.900, 145.920, 145.940,145.960 MHz

LO-19:
downlink 437.150, 437.125 MHz
uplink   145.840, 145.860, 145.880, 145.900 MHz

First TCP/IP Microsat QSO?

Bob McGwier, N4HY, and Jon Pearce, WB2MNF, lay tentative claim to the first Microsat TCP/IP QSO. They were on the 0307 pass of LUSAT on March 3. Since they were both calling each other, they had two Telnet and one FTP sessions. To use the satellite as a digipeater, the NET ARP entry is ARP ADD (your call sign) AX25 (your call sign) LUSAT-1 (for LUSAT, of course). You also need a ROUTE for (your call sign) to your KISS port.

(Continued Next Message)

QEX - The ARRL Amateur Radio Experimenter's Exchange
Gateway Column, Edited By Stan Horzepa, WA1LOU, April, 1990 - P 2 of 5

PACKET-RADIO SATELLITES STATUS REPORT (Continued)

WO-18 Shoots The World

Chris Williams, WA3PSD, reports that the Ground Command Station at Weber State University (WSU) is receiving pictures from space daily. This past week, the best picture taken was of the coastline of British Columbia near Vancouver Island. Since Weberware 1.0 can recover the color in pictures from the imaging data stored in memory, the oceans show up with the proper hues as seen by the camera. Initially, it was difficult for the WSU students to pinpoint the area snapped by the camera, but checking the satellite tracking software and the time the lens shutter was opened, they figured out that it was the BC coastline. The camera on WO-18 can only take a 170-square mile picture when looking straight down, so, at times, one has to be very good at geography to figure out what the pictures represent.

The integration of horizon sensor readings into the picture taking software on-board WO-18 will indicate when the satellite is pointing at the earth. The software is being changed so that pictures will only be taken at those times. This will mean an end to pictures of deep space or the sun.

WO-18 may be heard on 437.100 MHz (+/- 10 kHz for Doppler shift). The alternate frequency is 437.075 MHz.

WA3PSD also announced that the beta test version of the picture processing software, Weberware 1.0, will be sent to a group of carefully chosen software testers, who will perform intensive checks of the software. If no major bugs are discovered, radio amateurs can expect Weberware 1.0 to be available from the AMSAT Software Exchange approximately the first week of April. WA3PSD wants to emphasis that the priority at WSU is taking care of WO- 18. Second priority is getting the image processing software finished. The students at WSU are working as quickly as possible to get this very complicated program into a user friendly state. Weberware 1.0 will run on IBM\R AT clones equipped with EGA or VGA monitors.

Because of the instant popularity of WSU's efforts in building the Webersat, many grade school and high school students from the greater Ogden and Salt Lake City areas are showing up at the Ground Command Station to experience the care and feeding of an OSCAR satellite. The WSU students have enthusiastically embraced the job of explaining to all the finer details of WO-18 and its many on-board scientific experiments. Hopefully, many of these young people will not only become interested in Amateur Radio, but also start thinking about space.

The Webersat team encourages all radio amateurs to continue to save picture data and telemetry from WO-18. To receive a beautiful QSL card from WSU, send your QSL card, a copy of WO-18 telemetry and an SASE to Chris Williams, WA3PSD, Eng Tech Bldg, #236, Weber State University, Ogden, UT 84408-1805.

FO-20 In Full Mode

FO-20 is now operating in "full mode," ie, both transponders (JA and JD) are functioning. If necessary, the transponders will be shut down on Wednesdays. If the JD transponder are shut down, all posted messages will be discarded without warning.

UO-15 Problem Undergoing Diagnosis

Volunteers at the Stanford Research Institute (SRI) have been working with the University of Surrey (UoS) to find what is preventing UO-15 from downlinking telemetry. Martin Sweeting of the UoS reported that SRI is making a 150-foot dish antenna and its sophisticated signal processing equipment available to figure out if any of the sub-systems on UO-15 are still operational. SRI has aided UoS in the past by using the same dish to uplink a signal of "sufficient strength" to overcome the desensing of UO-9's command receiver by its 2-meter transmitter.

SRI is trying to receive the local oscillators' signals on board UO-15. The calculated received signal strength of UO-15's LOs is approximately -160 dBm. A trial run receiving LO signals from the healthy UO-14 was successful, although it required signal analyzers using FFT techniques to provide a 1-Hz resolution bandwidth over a 5-kHz bandwidth to discern the signals. SRI now will try to locate UO-15's LO signals and, from the results of those efforts, the UoS's engineering team will determine if it is possible to "pull the cork" on UO-15's transmitter.

from AMSAT News Service, CompuServe's HamNet, and Jon Pearce, WB2MNF

TAPR ANNUAL MEETING REPORT

The annual meeting of Tucson Amateur Packet Radio (TAPR) occurred on February 24-25 in Tucson. The board of directors met on February 23 and announced the results of the election for the board with the following members being elected to three-year terms: Tom Clark, W3IWI; Pete Eaton, WB9FLW; Don Lemley, N4PCR; Harold Price, NK6K; and Dave Toth, VE3GYQ. The board also selected the following as TAPR's officers for one year terms: Lyle Johnson, WA7GXD, president; Harold Price, NK6K, executive vice president; Bob Nielsen, W6SWE, vice president/member services; and Greg Jones, WD5IVD, secretary/treasurer.

Saturday morning, there were talks on Microsat by Doug Loughmiller, KO5I; TAPR version 1.1.7 TNC 2 software by Lyle Johnson, WA7GXD; TCP/IP by Phil Karn, KA9Q; HF packet-radio diversity by Steve Hall, WM6P; high-speed networking by Bdale Garbee, N3EUA; and the OMNITRACS communications vehicle by Franklin Antonio, N6NKF. The afternoon session had talks on TexNet by Harry Ridenour, N0CCW, who mentioned that TexNet is now available as firmware for the TNC 2. Other topics included Great Lakes (GL) Net by Jay Nugent, WB8TKL; a 56k-bit/s repeater by Doug Yuill, VE3OCU; ARRL happenings by ARRL Southwest Division Director Fried Heyn, WA6WZO, and ARRL headquarters' Jon Bloom, KE3Z.

Amateur Radio manufacturers in attendance also made presentations. DRSI presented their K3MC "Awesome I/O Card," a 56001-based DSP PC packet-radio card, which will operate at 24 MHz. It includes a 16-bit A/D converter on-board and will cost approximately $400. PacComm talked about their PSK-1 modem, which is a fully-assembled modem for satellite work, and the G3RUH modem. Kantronics presented their Data Engine (DE), the DVR 2-2 VHF transceiver, and the 2/70 power amplifier for the DVR 2-2. WA7GXD reported on the progress of the TAPR packetRADIO.

Outgoing TAPR president Andy Freeborn, N0CCZ, closed the meeting with the financial report for 1989. Afterward, Pete Eaton, WB9FLW, presented Andy with a plaque from TAPR expressing the organization's appreciation for all Andy's work over the years and especially for his service as president.

from Andy Freeborn, N0CCZ, via CompuServe's HamNet,
and Steve Goode, K9NG, via The CAPRA Beacon

SAREX-2 TESTED

In late February, the Shuttle Amateur Radio Experiment #2 (SAREX-2) packet-radio station underwent extensive testing at the Marshall Space Flight Center in Huntsville, Alabama, according to AMSAT Area Coordinator Ed Stluka, W4QAU. This testing was in conjunction with the training of STS-35 Payload Specialist Ron Parise, WA4SIR, in the use of the ASTRO-1 experiment, which will be primary payload on that shuttle mission. The primary payload, ASTRO-1, will be used to conduct astronomical experiments. During several days of testing, radio amateurs in the Huntsville area were able to connect to WA4SIR and to receive a QSO number.

This special packet-radio station will fly on STS-35 on May 9, 1990, and will give each radio amateur who connects to WA4SIR a QSO number confirming the contact. When the connecting station sends in a QSL card and the contact number, the station will receive a beautiful QSL card commemorating this "Ham In Space" shuttle flight.

The SAREX-2 packet-radio station has a Motorola 2-meter FM handheld transceiver with 5 watts output, a Heathkit HK-21 TNC 2, and a Grid laptop computer with a 40-Mbyte hard disk drive to store the calls of the stations connecting to WA4SIR during the nine-day mission. The specially written software, which will be running the SAREX-2 packet-radio station, allows completely unattended operation and logging of the calls of the connecting stations. It will also prevent duplicate QSO numbers from being sent.

Although no digipeating will be allowed through SAREX-2, connecting to this packet-radio station will be like any terrestrial packet-radio contact. Just use your TNC with your 2-meter transceiver, and everything else is the same. After you have connected and received your QSO number from WA4SIR, on subsequent orbits you can monitor the SAREX-2 message beacons that will be sent periodically. The message beacons will contain information about the flight of STS-35 and other interesting items.

from AMSAT News Service

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PACKET-RADIO DISTRIBUTED BBS OPERATIONAL

The February issue of the Association of Computing Machinery's Communications features a long article from a group at MIT who have implemented a "distributed" BBS as a "Community Information System" (the Boston Community Information System or BCIS) using packet radio and personal computers.

The way the system works is simple. Data from The Associated Press, the New York Times and even feeds from USENET are "broadcast" via an SCA subchannel on a local FM broadcast station at 4800 bauds using FSK. Local packet-radio adapters (TNCs) receive the data using a protocol that is much simpler than AX.25 or TCP/IP. They pass the data on to the user's personal computer, which sees if it is of interest to the user by checking it against a "filter" list generated by the user. If it qualifies, it stores the data on the personal computer's disk and the user can retrieve it using database-style query techniques. This process is called the "simplex" portion of the system, which overall is called a "polychannel" system.

Should a user query for something not in the local disk database, an autodial modem accesses a "local" database server to ask for the requested information (this is the "duplex" portion). Because the local users have no authorization to initiate transmissions on a commercial broadcast channel, dial-up modems are used.

The idea sounds a lot like the distributed ham PBBS in use in Japan. Which leads us to the $64 question: why can't our local ham PBBSs work in a similar fashion with our current PBBSs becoming "servers" (and even gateways to USENET or the Internet)? These would be accessible directly by packet radio instead of dial-up modems and our local TNC/computer combinations would become the recipients of data of interest to us.

from Bill Meahan, WA8TZG

AMIGA, ATARI AND UNIX VERSIONS OF KA9Q'S TCP/IP SOFTWARE AVAILABLE

Version 900214 of the KA9Q TCP/IP software package for the Commodore Amiga computer may be obtained by downloading it from Data Library 9 (DL9) of CompuServe's HamNet. Its file name is AMIGAN.ZOO.

The latest PE1CHL release of the KA9Q TCP/IP software package for the Atari ST computer may be obtained from Mike Curtis, WD6EHR, 7921 Wilkinson Ave, North Hollywood, CA 91605-2210 by sending two blank double-sided or three blank single-sided disks, a postage- paid, self-addressed disk mailer and a note stating your needs.

The UNIX version of the KA9Q TCP/IP software package is available via anonymous FTP from host vax.cs.pitt.edu in the file pub/ka9q/net-unix.cpio.Z.

from Julian Macassey, N6ARE, and Bob Hoffman, N3CVL

W1HUE AND POLI CHANGE ADDRESSES

Larry East, W1HUE, the US distributor of "APR," the public domain packet-radio terminal program for the Apple\R II family of computers, has the following new address: PO Box 51445, Idaho Falls, ID 83405-1445. (APR may be obtained by sending Larry a blank 5-1/4 or 3-1/2 inch disk and a postage-paid, self-addressed disk mailer.)

Packeteers Of Long Island (POLI) have the following new address: PO Box 11, Jericho, NY 11753.

from Larry East, W1HUE, and Alex Mendelsohn, AI2Q

PBBS RESTRUCTURING

(The following is in response to Barry McLarnon's article entitled "Restructuring of the Packet Bulletin Board System Proposed" that appeared in the January 19 issue of Gateway.)

Barry McLarnon's article was right on the money. It points to something I have been after for several years, ie, adoption of the RFCQ822/1022/X.400 standard internal headers for packet-radio messages.

In the past, the From: and the PRMBS's reply To: fields have shown their usefulness. If we try to assemble our bulletin distribution system into a

USENET-like system, we need to add the field Newsgroups: to the internal headers. Also, if we can add a Keywords: field, if desired. The point is that we will not need massive software recoding each time we want to add a feature. We only have to add a field.

The PRMBS code already has "mail" and "message sweeper" functions that performs some of the "readnews" function of USENET. I only have to add code to allow it to select and reject articles by newsgroups.

For now, I suggest that we extend the To field. We can put in an internal header with a well defined (20 or more bytes long) field name for the newsgroup, eg, "space.amsat.microsat" or "space.amsat.dove," and use the convention of a major group name with a maximum of six characters, eg, AMSAT. A message that is forwarded to a system as follows:

```
        SB SPACE @ ALLUSA < N4HY $AMSQ700
```

would be rejected if a system does not want "SPACE" stuff (it would be nice to have the ability to reject subparts of that thread, but that cannot be done without the code getting cumbersome). The sending system does not have to know what newsgroups each system will accept or reject. Instead, the receiving SYSOP configures the system to accept/reject any group. It can be done better, but this is what is possible in the immediate future. (I could add and activate this feature into PRMBS in less than a week and it would have no impact on the network in terms of incompatibility.)

One problem is that in many areas there is insufficient decentralization and linear progressions for mail passing. If some SYSOPs decide not to accept a certain newsgroup, it would stop the distribution of the group. To avoid this, I would add code to PRMBS to allow generation of the redistributed messages, but hide the original from view on the rejecting system until those messages were fully distributed.

This turns us to the problem of network topology. We have to do more "hubbing," ie, getting more, lower powered stations clustered around one or two more powerful stations that talk to similar stations and distribute the mail on backbone channels and onto secondary backbone channels to clusters, who allow users to log on via a third channel.

from Brian Riley, KA2BQE

GATEWAY CONTRIBUTIONS

Submissions for publication in Gateway are welcome. You may submit material via the US mail or or electronically, via CompuServe to user ID 70645,247 or via Internet to 70645.247@compuserve.com. Via telephone, your editor can be reached on evenings and weekends at 203-879-1348 and he can switch a modem on line to receive text at 300, 1200 or 2400 bit/s. (Personal messages may be sent to your Gateway editor via packet radio to WA1LOU @ N1DCS or IP address 44.88.0.14.)

The deadline for each installment of Gateway is the tenth day of the month preceding the issue date of QEX.

--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From 2467262352101992857
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a45a7bcd30b7960,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-15 18:57:36 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!dennis
From: dennis@gpu.utcs.utoronto.ca (Dennis Ferguson)
Newsgroups: rec.ham-radio
Subject: 300 bps modem for HF use?
Message-ID: <1990Apr16.015736.8983@gpu.utcs.utoronto.ca>
Date: 16 Apr 90 01:57:36 GMT
Reply-To: dennis@gpu.utcs.utoronto.ca
Organization: University of Toronto
Lines: 21
Posted: Mon Apr 16 02:57:36 1990

I have been endowed with a small amount of end-of-budget-year money and would like to use it to buy a modem to decode the FSK transmitted by CHU. CHU transmits this using the (telephone) standard 2225/2025 Hz frequency pair at 300 bps.

I have built several modems to do this in the past from standard 300 bps modem chipsets with good results, but would like to improve on this. Can anyone recommend a commercial 300 bps modem which is explicitly designed for high frequency radio use?

Note that other than effective filters and some control over the carrier detect delay, I'm really looking for something quite stupid. Things like multimode packet controllers and the like probably wouldn't be suitable since I need something which introduces predictable delays. Good quality analog parts followed by very little in the way of digital circuitry would make me very happy.

Thanks,

Dennis Ferguson
University of Toronto

From 3092125931286701168
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d5996f821c40dd5f
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,f651827565226927
X-Google-Attributes: gid105d97,public

X-Google-ArrivalTime: 1990-04-15 20:15:04 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: CAP frequencies
Summary: CAP freqs
Message-ID: <653@ssc.UUCP>
Date: 16 Apr 90 03:15:04 GMT
References: <9004112239.AA03082@ti.com>
Organization: very little
Lines: 55
Posted: Mon Apr 16 04:15:04 1990

In article <9004112239.AA03082@ti.com>, dube@cpdvax.csc.ti.com (DUBE TODD) writes:

> Would someone post the frequencies used by the Civil Air Patrol?
>
> Thanks in advance,
> Dube Todd   N5PD

Here is some CAP frequency info from the 88 Grove SW Directory. This is abbreviated.

MHz	regions/use
2.371	USA
2.374	USA
4.4645	1
4.4675	1,2,4
4.5045	8
4.5075	3,5
4.582	Emergency/Calling
4.585	2, Puerto Rico
4.5995	7
4.6025	3
4.627	6
4.63	6
7.635	1,3,4,5 and USAF
7.9185	1,2,3,5,6,7,8 and USAF
14.905	1,2,6,7,8 and USAF
20.873	4, Puerto Rico
26.62	USA

Regions:

1	Northeast
2	Middle East (actually Mid-Atlantic states)
3	Great Lakes
4	Southeast
5	North Central
6	Southwest
7	Rocky Mountain
8	Pacific

Net Control is KJ9885 (tac call HEADCAP) at Hamilton AFB, Alabama.

This is condensed. If you want callsigns and net schedules, buy
Grove's Shortwave Directory

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 4271687747843332478
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f52e7743d284e802
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-15 20:21:23 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Lojack security
Summary: By The Way...
Keywords: 173.075 mhz ? Local oscillator radiation, jamming, Faraday cages
Message-ID: <654@ssc.UUCP>
Date: 16 Apr 90 03:21:23 GMT
References: <4620@cpoint.UUCP> <1990Apr12.154101.19146@newcastle.ac.uk>
Organization: very little
Lines: 24
Posted: Mon Apr 16 04:21:23 1990

In article <1990Apr12.154101.19146@newcastle.ac.uk>, C.Dennison@newcastle.ac.uk
(C. Dennison) writes:
> In article <4620@cpoint.UUCP> die@cpoint.UUCP (David I. Emery) writes:
> >
> >Lojack security, now the subject has been broached on rec.ham-radio.
> >(Lojack is a Boston based startup company btw).
> >
>
> What is a btw?
> + Computing Science Dept, University of Newcastle | All opinions expressed   +

The abbreviation "btw" stands for BY THE WAY, an American colloquialism
and figure of speech. I think in "British" the expression is "By the by."
I have no idea if there is a different equivalent Aussie expression.

Tad Cook

Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 1802929161970493333
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f6623d7c53dca68e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-15 23:22:50 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!rutgers!bellcore!ka9q.bellcore.com!karn
From: karn@ka9q.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Re: Repeater on Space Station Freedom
Keywords: Space Station, Freedom, Radio, Amateur
Message-ID: <22202@bellcore.bellcore.com>
Date: 16 Apr 90 06:22:50 GMT
References: <862@tsdiag.ccur.com> <636@enprt.Wichita.NCR.COM> <91844@philabs.Philips.Com>
Sender: news@bellcore.bellcore.com
Reply-To: karn@ka9q.bellcore.com (Phil Karn)
Organization: Secular Humanists for No-Code
Lines: 31
Posted: Mon Apr 16 07:22:50 1990

>Has anyone petitioned NASA to have the first Amateur repeater on Space
>Station Freedom? I'd love to have my call broadcast for all those
>David E. Tiller   davet@tsdiag.ccur.com | Concurrent Computer Corp.

I know this is a sexy idea at first glance, but I'm afraid that if you looked at it more closely you'll find that it's not as nifty as you might think.

First of all, it is almost certain that the US space station will be launched into a low altitude 28.5 degree inclination orbit (that is, if it is ever launched at all.) This orbit (which is also used by the majority of shuttle flights) requires the minimum energy to reach from Cape Canaveral. Given the proposed mass of the station you can bet they'll pick the most economical orbit possible.

Unfortunately, this orbit has very poor coverage of the continental US. Only the southern part of the US will ever see it more than a few degrees above the horizon, and of course passes would be quite short.

There has been a proposal for amateur radio aboard the space station, but it would be for a Phase IV *user* station, not a repeater. In other words, amateur radio would have its own TDRS system. This would give nearly 50% coverage with just a single satellite.

If you want to talk through a repeater in space, there are already plenty
up there to choose from, and they are in much better orbits than that
proposed for the space station. Oscar 10, Oscar 13 and FO-20 have analog
repeaters, and of course there are also the microsats for digital
communications.

Phil

From -3977158733009609282
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15fab99b94f7d7f4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-16 00:28:17 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
sdd.hp.com!hp-pcd!hplabs!hpfcso!hpldola!ritchie
From: ritchie@hpldola.HP.COM (Dave Ritchie)
Newsgroups: rec.ham-radio
Subject: Re: Litz wire again and how to solder it.
Message-ID: <12120036@hpldola.HP.COM>
Date: 16 Apr 90 07:28:17 GMT
References: <26780@ut-emx.UUCP>
Organization: HP Elec. Design Div. -ColoSpgs
Lines: 14
Posted: Mon Apr 16 08:28:17 1990

>
>For real, Litz (as in wire) is short for _Litzendraht_. I don't speak
>German or whatever language that is, so don't know if it's a proper
>name or has other meaning.
>
>Frank   W9MKV   reid@ucs.indiana.edu
>----------

According to my Castell's German Dictionary, Litzendraht is "stranded
wire, flex.". "Litze" means "braid,cord,lace,piping;strand (of wire)."

Dave N4DJS

I just *knew* this thing would come in handy again some day :-> .

From -7082489924141769081
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,efa72ca9786b8dc4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-16 04:17:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!PAXRV-NES.NAVY.MIL!
hfair
From: hfair@PAXRV-NES.NAVY.MIL ("JARRETT, STEVE")
Newsgroups: rec.ham-radio
Subject: Multi-Mode TNCs

Message-ID: <9004170702.AA25736@ucbvax.Berkeley.EDU>
Date: 16 Apr 90 11:17:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 35
Posted: Mon Apr 16 12:17:00 1990

Several have sent me messages on this subject. I have tried to respond directly but guess I cannot figure out my E-mail system. Here is what I was trying to send.

I am no expert on multi-mode tnc's, but I can relate what little I know. I have a PK-232 and use it on packet and RTTY. The PK-232 coupled with the Pakratt software is very easy to use on packet and works quite well. Some purists have found problems with the PK-232 on packet, but I have not experienced problems at my level of useage. The PK-232 and software also work well on RTTY (I include Baudot, ASCII, and AMTOR in this category) but actual performance is a bit of compromise. The PK-232 does not use the standard 2125/2295 tone set for 170 Hz shift. It uses instead 2110/2310 for 200 Hz shift. Purists argue that this compromise tone set hurts the PK-232 in weak signal detection, etc., but in most situations performance appears normal. I suspect that in a pile-up a good detector will pick out the true tone set easier that the 200 Hz tone set--meaning that the compromise occurs at both the receiving and transmitting ends. I have seen few cases where I think the PK-232 let me down. There are lots around, they are well-supported, and the software is very good.

The KAM, with which I have no direct experience, appears to be a very nice unit, and a very small unit. The tone sets are true and they look (on a scope) and sound great over the air.   I have heard nice comments about the KAM. I have also heard that it takes a while to learn to use it and the related software, but that may have been an isolated opinion. If I were buying a multi-mode tnc today, I would seriously consider the KAM---but I would solicit first hand info from KAM users before going ahead. Seems there are AEA people and there are Kantronics people and they are heavily polarized. Word on the street is that Kantronics really knows their stuff, and they are very helpful if you have to call for assistance.

Hope this helped. 73, Steve , K4FJ.

From -6224012805011151491
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2383db3e0dcfb08a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-16 07:23:37 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!pasteur!helios.ee.lbl.gov!nosc!logicon.com!trantor.harris-atd.com!x102c!tbabst
From: tbabst@x102c.harris-atd.com (Babst TA 64837)
Newsgroups: rec.ham-radio

Subject: Morse Coding standards (non-ham question)
Message-ID: <3466@trantor.harris-atd.com>
Date: 16 Apr 90 14:23:37 GMT
Sender: news@trantor.harris-atd.com
Reply-To: tbabst@x102c.ess.harris.com (Babst TA 64837)
Organization: Harris GISD, Melbourne, FL
Lines: 7
Posted: Mon Apr 16 15:23:37 1990
X-Local-Date: 16 Apr 90 07:23:37 PDT

I want to know if there are standards for the manual coding of Morse code.
In particular, what are the dot, dash, inter-character and inter-word
lengths.

Sorry if this is a well-known question -- I'm not a ham.
Please E-mail your replies, as this is probably not of general interest.
Thank you.

From 5258823337755625929
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16f94582734e9cc5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-16 07:56:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!sdsu!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley__Wb6wui)
Newsgroups: rec.ham-radio
Subject: Re: ARRL Insurance
Message-ID: <2254@crash.cts.com>
Date: 16 Apr 90 14:56:09 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 11
Posted: Mon Apr 16 15:56:09 1990

I'm curious if anyone has tried to insure a repeater. I would have to pull a
figure of $5,000.00 out of the hat. The dollars invested doessn't quit make
the limit, but the hours, hours, hours are not reflected in bucks. If our box
were to receive the wrath of the Gods, I would go simple simon with a rice-box
repeater and an 850 controller. 5K would not go far.

```
***************************************************************************
Mike Shirley, WB6WUI          INET: mikey@pnet01.cts.com
PO Box 460, Lakeside, CA      ARPA: crash!pnet01!mikey@nosc.mil
            92040-0460        UUCP: {hplabs!hp-sdd nosc}!crash!pnet01!mikey
***************************************************************************
```

From -1497741567731698645
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e23d8df49c00ece
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-04-16 08:19:39 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!hp-pcd!hplsla!bobc
From: bobc@hplsla.HP.COM (Bob Cutler)
Newsgroups: rec.ham-radio
Subject: Re: how to achieve 20WPM ?
Message-ID: <5720064@hplsla.HP.COM>
Date: 16 Apr 90 15:19:39 GMT
References: <7785@b11.ingr.com>
Organization: HP Lake Stevens, WA
Lines: 21
Posted: Mon Apr 16 16:19:39 1990

>/ hplsla:rec.ham-radio / bobc@hplsla.HP.COM (Bob Cutler) / 10:24 am Apr 6, 1990 /
>I plan on taking the 20wmp test next week. For me, getting my speed up
                        ^^^ wpm
>hasn't been too painful. (FLAME PROTECTION ON) I've learned to copy
>code using computer programs only. (FLAME PROTECTION OFF). I generally
>practice 30-45 minutes a night, and have been doing so for the last 2 weeks.
>

I passed! The biggest problem that I had with the test was that it didn't
start out with the sending station sending 'CQ CQ CQ ...'. Instead, it
started out with the recieving station responding to the CQ and giving his
name. My computer program always started out with CQ. Even the Kenwood
starts out with CQ! Well, by the time I figured out what was going on I
had missed quite a bit. Fortunately they didn't ask for the call signs or
I'd be taking the test again.
--

Bob Cutler
KE7ZJ/AE
Lake Stevens Instrument Division
Hewlett-Packard

From -3306963789171076558
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edfd8b5d9deb86ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-16 08:46:03 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!brutus.cs.uiuc.edu!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!emory!mephisto!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: ARF (oops I forgot)
Message-ID: <675@idacrd.UUCP>
Date: 16 Apr 90 15:46:03 GMT
References: <1270@lopez.UUCP>
Organization: idacrd, princeton, nj
Lines: 23
Posted: Mon Apr 16 16:46:03 1990

From article <1270@lopez.UUCP>, by flash@lopez.UUCP (Gary Bourgois):

>
> Ham radio is a heck of a lot more than "Gud luck in the contest"...
>

Far be it from me to deny you your 1st amendment rights but IMHO it can't be a heck of a lot less than the drivel that ARF and its attendees espouse on that net. My boss was at my house and his son wishes to be an amateur. That anti-semitic drivel made an excellent introduction to amateur radio. I beat a hasty retreat to the OSCAR satellite, where I work three satellites in four different modes in 30 minutes. Thank god there is some intelligence in ham radio someplace.

The birds sold the kid in fifteen minutes. DAMN why can't people keep their stupid prejudices to themselves and off ham radio.

Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From -55970572389660625
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9fcaa3af4007ec51,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,9fcaa3af4007ec51,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-04-16 09:39:28 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pt.cs.cmu.edu!rochester!rit!cci632!dvh
From: dvh@cci632.UUCP (David Hallidy)
Newsgroups: rec.ham-radio,rec.ham-radio.swap
Subject: Tower Info Needed
Message-ID: <35996@cci632.UUCP>
Date: 16 Apr 90 16:39:28 GMT
Organization: Computer Consoles Inc. An STC Company, Rochester NY
Lines: 30
Xref: gmdzi rec.ham-radio:10874 rec.ham-radio.swap:393
Posted: Mon Apr 16 17:39:28 1990

I'm posting this for a friend with no net access.

WANTED

Engineering Drawings and Installation Instructions for an E-Z Way Crank-Down/ Tilt-Over tower, Model RBS-50 (circa 1969).

E-Z Way Towers, Inc. of Tampa, Florida is no longer in business.

Drawings and instructions are needed for a height variance and building permit in the village in which I reside, in upstate New York.

Thanks in advance for any help from the net.

73,   Doug McManus KB2IAY

Anyone with any of this information, PLEASE email me, or call me (collect if you must) at (716) 272-1582 in the evening, or write me at:

2118 W. Jefferson Rd.
Pittsford, NY 14534

Doug (or I) will pay the necessary costs of reproduction of these documents. Please help if you can.

Thanks, 73   Dave Hallidy KD5RO/2

From 2023289717651012920
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4eee294c2380bb4c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-16 11:54:46 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!OUACCVMB.BITNET!TCOMGRD1
From: TCOMGRD1@OUACCVMB.BITNET
Newsgroups: rec.ham-radio
Subject: Maidenhead Grid on CMS/VM
Message-ID: <9004170716.AA26631@ucbvax.Berkeley.EDU>
Date: 16 Apr 90 18:54:46 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19
Posted: Mon Apr 16 19:54:46 1990

Date: 16 April 1990, 14:50:33 EDT
From: pete   TCOMGRD1 at OUACCVMB
To: INFO-HAMS@WSMR-SIMTEL20.ARMY.MIL at MIL

I am posting this here because my mail keeps getting rejected by CORNELLC....

To: James Gentles (jdg@hpqtdla.hpsqf.hp.com)

I read your post to the info hams mailer and was hoping you have informati
on for a program to compute Maidenhead Grid Co-ordinates on a CMS/VM machine. I
f you know someone or have personally such a program, or ANY infomation, please
 send it to me.

Thanks!

```
                                    Pete Simpson
                                    TCOMGRD1@OUACCVMB.BITNET
                               "No Job, No Food, No Disclaimer!"
----------------------------------------------------------------------------
Anyone who has information on this please reply!
Pete


From -967039457887546407
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6b41899c129204a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-16 14:59:56 PST
Path: gmdzi!unido!mcsun!uunet!cadnetix.COM!cadnetix!rusty
From: rusty@cadnetix.COM (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: DAYTON!
Message-ID: <12050@cadnetix.COM>
Date: 16 Apr 90 21:59:56 GMT
References: <30500500@ux1.cso.uiuc.edu>
Sender: news@cadnetix.COM
Reply-To: rusty@cadnetix.COM (Rusty Carruth)
Organization: Cadnetix Corp.,  Boulder, CO
Lines: 13
Posted: Mon Apr 16 22:59:56 1990

In article <30500500@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>
>Dayton is getting closer.

Anybody know when next year's dayton is?  I've got to try to make it next year!
(I cannot do it this year, no planning --> no money --> no trip    :-)
( '-->' is 'implies'))                                            ^^^^^
                                                             (no, I think I
mean :-(

---Join the usenet un-net, 28.410 and/or 28.390(+-) 1700Z to 1900Z saturdays!
Rusty Carruth.                  Radio: N7IKQ                 ^^ or later :-)
DOMAIN: rusty@cadnetix.com      UUCP:{uunet,boulder}!cadnetix!rusty
home: POB. 461, Lafayette CO 80026


From -8710171584951945531
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b4a72bc3f93ac0a9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-16 15:10:15 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com (DUBE TODD)
Newsgroups: rec.ham-radio
Subject: Dirty, Noisy, Scratchy Pots
Message-ID: <9004162217.AA12037@ti.com>
Date: 16 Apr 90 22:10:15 GMT
```

Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 26
Posted: Mon Apr 16 23:10:15 1990

Brad Lupton's story about trying to fix a bad potentiometer is all too true; and I'm sure most of us have encountered this problem at least once.

The problem with today's stuff, and especially with the Asian products, is that the things are just simply cheap-cheap-cheap!   Few pieces of equipment outside mil-spec stuff can afford the luxury of the old A-B pots that would work virtually forever. I have an expensive color TV from one of Japan's premier TV manufacturers, whose pots (every one!) have become noisy after a just a couple of years. AND SOME OF THEM SELDOM GET MOVED.

The noise and scratchiness is caused by the wearing-away of the carbon deposited on the pot itself. Continuous friction of the sliding contact on the carbon weait away. Cheap pots with thin coatings, poorly-deposited coatings, poorly-prepared coatings, or incorrect slider pressure and design give it up very quickly.

It is unfortunate, but the only remedy for the problem is just to replace the pot. Spraying them with tuner cleaners and solvents more often than not make the problem worse by causing the resistive material to further erode and melt away. Remember, these solvents are made to clean metallic contacts in switches and are pretty potent.

When your pots start giving you problems, they are worn out and need replacing. And be very careful what you spray into your expensive, quality pots.

73,
Dube Todd   N5PDK

From -6078444760884967721
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e43f2c27bfafbf27,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-16 15:20:02 PST
Path: gmdzi!unido!mcsun!uunet!samsung!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: StarTrek and Packet Radio
Message-ID: <4VRqH1w161w@w8grt.fidonet.org>
Date: 16 Apr 90 22:20:02 GMT
Organization: QRV de W8GRT
Lines: 32
Posted: Mon Apr 16 23:20:02 1990

(318)   Sat 14 Apr 90 5:00p
By: Jack Palladay
To: UseNet

Re: Re: Packet Seminar
St:

@EID:7a8d 148e8800
In a message to All <04-12-90 19:38> Barry McLarnon DGBT/DIP wrote:

>From: barry@DGBT.CRC.DND.CA (Barry McLarnon DGBT/DIP)
>Newsgroups: rec.ham-radio.packet
>Subject: Re: Packet at Trenton???
>Message-ID: <9004111438.AA16595@dgbt.crc.dnd.ca>
>Date: 11 Apr 90 14:38:29 GMT
>Sender: daemon@ucbvax.BERKELEY.EDU
>Organization: The Internet

>mode. Hear N4HY tell
>how he used DSP and a Commodore 64 at work to decode the
>digital signals in
>"Star Trek IV" (I THINK it was a C64 - I remember that it
>started with a "C").

I had to smile when I read this. The computer used was a Cray which
compared to a C64 is like comparing roller skates to a Porsche 959 and
even that may be too narrow a comparison.

73 de Jack, N9ICE

--- QuickBBS 2.64 (Eval)
* Origin: KB9BVN...Home of Fidonet HAM/PACKET Digest (317)882-9330 (1:231/30)
@PATH: 231/30 160 157/200 234/100

From 8374547709094353858
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fb07436256ebba91
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-16 16:08:43 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!lll-winken!sun-barr!newstop!
west!L1-A.West.Sun.COM!flloyd
From: flloyd@L1-A.West.Sun.COM (Fred Lloyd SUN Phoenix 602-275-4242)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood 721 Display Upgrade
Summary: Atta-boy Kenwood!
Keywords: Works great - won't chip, rust, crack or peel....
Message-ID: <752@west.West.Sun.COM>
Date: 16 Apr 90 23:08:43 GMT
References: <724@west.West.Sun.COM>
Sender: news@west.West.Sun.COM
Organization: Sun Microsystems, Phoenix, Az.
Lines: 54
Posted: Tue Apr 17 00:08:43 1990

In article <1500@ks.UUCP> singer@ibmarc.uucp (David Singer) writes:
>I ordered two upgrades on April 2; they arrived on April 11th, UPS

>brown label. Read the instructions *carefully* -- they shipped a
>revised page two with mine.

Yeah, I got a revised page 2 as well. It seems that they found it necessary to tell the installer to be sure and remove the sticky protective shipping plastic from the front of the display. I suppose it would look awfully funny if you didn't. I wonder how many people forgot to :-).

The display kit is very nice, and pretty simple. The whole affair measures about 1.5" by 3" by half an inch thick. Only one flat ribbon cable to solder in place, and it has about 10 conductors on it. The tricky part is that they're about 2mm apart and must be float soldered onto the pads on the circuit board. Getting the old one off was no sweat (of course!). I'm pretty handy with a soldering iron and was able to do it using a 40-watter. A finer tip would'a been nice but a little patience was all it took. Total replacement time cover to cover was about 30 minutes.

The new display is completely readable in open sunlight, even when the operator is wearing sunglasses. There is still a small problem with glare from the shiny glass (plastic) window faceplate, but I'm sure that many rigs must have this problem too. At night, I find it almost too bright and am glad that the panel dim function is available.

I'm really pleased with Kenwood on this affair. They recognized their mistake and they are selling the fix for next to nothing. The replacement display contains the complete LCD panel with controller chips and driver circuitry. As an ordinary replacement part one could imagine that it would cost a lot more.

I've heard that HRO will send your rig off to Kenwood and let them do it all for $50! Given the cost of everything else these days, I consider it a bargain.

BTW, someone mentioned recently that their TS440 had a cheap screw-in SO-239 connector on the back that spun around and shorted out their rig. My brand-new TS-440 has the regular, old-style SO-239 with the square plate and 4 screw holes (only 2 screws in, however :-). I'll stand by Kenwood, since it's evident that they do listen to their customers and they do make reasonable attempts to correct their mistakes. Incidentally, I'm told that the TS-440 is now the best selling HF rig of all.

-fred

--
| Fred Lloyd AA7BQ   flloyd@West.sun.com |
| Sun Microsystems, Inc.   ...sun!flloyd |
| Phoenix, AZ |

From -5984282669268063039
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d33fc578069c72bd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-17 05:45:18 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!
S51.Prime.COM!BUSH
From: BUSH@S51.Prime.COM
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9004180715.AA23666@ucbvax.Berkeley.EDU>
Date: 17 Apr 90 12:45:18 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 56
Posted: Tue Apr 17 13:45:18 1990

ANNOUNCING THE 1990
MASSACHUSETTS QSO PARTY

DATE/TIME: 0000Z 5 May 90 to 2400Z 6 May 90

OBJECTIVE: Work as many hams in as many Massachusetts counties as possible during the 48 hour period.

MODES: CW, and Phone (No cross-mode, repeater or packet contacts)

BANDS: All amateur frequencies from 160 meters through 10 meters.

SUGGESTED FREQUENCIES:
CW: 15 kHz up from the bottom of the General class subbands (eg., 7040, 14040, etc.)
SSB: 25 kHz up from the bottom of the General class phone bands (eg. 3875, 7250, 14250, etc.
ALSO: Novice & Technician subbands:
80/40/15/10 meter CW
and 10 Meter Phone (28.315)

EXCHANGE: RS(T) and:
Massachusetts Stations: County
All others: State, Province,
or Country (DX)

OTHER: Work stations once per band and mode. MA to MA contacts are allowed. Portable or mobile MA stations may be worked again if they change counties.

SCORING:
1 Point per phone contact
2 Points per CW contact
5 points if you work club station W1TKZ

Multiply to points by the multiplier

Multiplier for MA stations= total number
of states, provinces, DX countries and
MA counties.

Multiplier for non-MA stations= number
of MA counties (max = 14)

SUBMISSION: Logs to WARS by 06 Jun 90.

SPONSOR:
Wellesley Amateur Radio Society
MA QSO Party
211 Washington Street
Wellesley Massachusetts 02181

From 6108150355029004629
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,50518818a023e132,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-17 08:11:17 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!mit-eddie!bu.edu!polygen!john
From: john@polygen.uucp (John Langner)
Newsgroups: rec.ham-radio
Subject: Visitel for SSTV
Keywords: SSTV, Visitel
Message-ID: <698@polygen.UUCP>
Date: 17 Apr 90 15:11:17 GMT
Reply-To: john@.UUCP ()
Organization: Polygen Corporation, Waltham, MA
Lines: 97
Posted: Tue Apr 17 16:11:17 1990

In article <1423@gvgpsa.GVG.TEK.COM> johnk writes:

>I bought a Visitel picture telephone a couple of months ago to stay
>in visual contact with relatives. The thought occurred to me that
>it could also be the "poor man's" method of slow scan TV on ham.
>
>Questions:
>
>*   has anyone tried it?
>*   any complications?
>*   is it compatible with any mode of existing "regular" slow scan TV/ham
>   equipment?

>
> ....

>John Kirby

I have not tried a Visitel on the radio but I have serious doubts that it could ever work. The details of the transmission format are a little fuzzy in my brain but here is what I recall.

The image starts with a digital header containing synchronization & calibration signals and information about the image size. After this there is NO horizontal sync as in most ham SSTV formats.

The picture is composed of 96 x 96 pixels of 32 gray levels. The pixel rate and audio carrier frequency are both 3579545/2048 per second. Gray levels are conveyed by a combination of phase and amplitude modulation. 2 phases (180 degrees apart) and 16 amplitudes. Each pixel is one audio cycle. Black and white are both full amplitude and opposite phase. Gray levels are lower amplitude with medium gray being the lowest amplitude.

This is fine for a phone line or FM radio. Let's perform a thought experiment about what would happen on SSB ...

Suppose your tuning was off by 20 Hz. The receiving end expects one pixel per audio cycle and would gather the pixels at 1727 or 1767 per second while the sender is producing them at 1747 per second, producing a badly slanted picture. The phasing of one pixel per audio cycle would be all messed up. QSB of propagation and AGC of the receiver would also corrupt the amplitude modulation of the audio carrier.

Several people have proposed using the Visitel for HF SSTV but I have never heard of any success. I would be very interested in hearing more about people's experiences with it.

If you would like to try SSTV at a low cost use your home computer.

* AEA has an interface for the Amiga for about $300. I've never seen this in operation but it sounds very impressive from everything written about it.

* SPEC-COM has SSTV software for the Radio Shack COCO. I think it was about $40. This might be related to the article in the November & December 1984 issues of 73 Magazine.

* A color SSTV program for the Atari ST is available from several user groups. It requires a simple interface that can be built for about $7. See 73 Magazine, December 1989 and January 1990.

  Even if you're not interested in the Atari ST, you should get a copy of this article. It contains a brief tutorial on how color pictures are transmitted and pointers to other sources of information on ham TV.

* I have a vague recollection of a product for the IBM PC from a company named something like Computer Systems Consulting. But it was only black & white. You don't see too many B&W pictures anymore.

* See QST, August 1985, for information on SSTV for the old 8 bit Atari computers.

* There are probably others which weren't well publicized.

In summary,
- The Visitel is not compatible with any of the ham SSTV modes.
- The Visitel modulation scheme can't be decoded by the usual Frequency to Voltage demodulators.
- I seriously doubt the Visitel would work over an SSB radio because it was designed for a communication medium with much different properties. (Please, someone - prove that I'm wrong!)

Color SSTV can be very expensive but it doesn't have to be anymore. If you must have 262,144 colors, spend $1295 on a Robot 1200C. If you want to make only a small investment to try something new and interesting, use one of the systems based on a home computer.

John Langner, WB2OSZ
mit-eddie!polygen!john

home: 115 Stedman St.
Chelmsford, MA 01824 (USA)
(508) 256 6907

From 4536389693447078827
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2ea43b88c1bcd061,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-17 13:20:43 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!unmvax!uokmax!nsslsun!skaggs
From: skaggs@nsslsun.gcn.uoknor.edu (Gary Skaggs)
Newsgroups: rec.ham-radio
Subject: IC-3210A Mods
Message-ID: <1990Apr16.231640.12494@uokmax.uucp>
Date: 16 Apr 90 23:16:40 GMT
Sender: usenet@uokmax.uucp (Nets)
Organization: National Severe Storms Laboratory
Lines: 15
Posted: Tue Apr 17 00:16:40 1990

I'm looking for any mods that are available for the 3210A. Would like to
1) outband the transmitter
2) enable the cross band repeat function

```
3) expand receive as far as possible
4) whatever else is available!

Any help/guidance/direction appreciated.  Can ftp if files already available
elsewhere.

Prefer email to keep down bandwidth.  73 de Gary.
------------------------------------------------------------------------------
Gary Skaggs            Internet: skaggs@nssl.gcn.uoknor.edu
National Severe Storms Laboratory (The Tornado People)
"The Government can speak for itself (usually), and NO, I don't want to be
 like Gary England (Amway(tm) salesman and alleged 'TV meteorologist') !"


From -6924985564855996212
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6b41899c129204a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-17 13:27:41 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!ncar!umigw!mthvax!
wb8foz
From: wb8foz@mthvax.cs.miami.edu (David Lesher)
Newsgroups: rec.ham-radio
Subject: Re: DAYTON!
Keywords: meeting place, Friday night, "Digital Suite", Stouffers
Message-ID: <1990Apr17.003640.26344@mthvax.cs.miami.edu>
Date: 17 Apr 90 00:36:40 GMT
References: <651@ssc.UUCP>
Reply-To: wb8foz@mthvax.cs.miami.edu (David Lesher)
Organization: NRK Clinic for habitual NetNews abusers
Lines: 14
Posted: Tue Apr 17 01:36:40 1990

Also, in the market, check out #2409. We are in the second row, behind
Radio's Hack.

Since it is outdoors, you can smoke. I however reserve the right
to walk away if you get it near me, however...

CU there....



--
A host is a host from coast to coast.....wb8foz@mthvax.cs.miami.edu
& no one will talk to a host that's close...........(305) 255-RTFM
Unless the host (that isn't close)......................pob 570-335
is busy, hung or dead....................................33257-0335


From -5606720144785403888
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,524c68a5107cf6e0,start
X-Google-Attributes: gid10c9e3,public
```

```
X-Google-Thread: 114aac,524c68a5107cf6e0,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-04-17 13:28:23 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!apple!portal!cup.portal.com!HAVANAMOON
From: HAVANAMOON@cup.portal.com (Havana - Moon)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Pirates, Pirates, Everywhere!
Message-ID: <29017@cup.portal.com>
Date: 16 Apr 90 23:15:16 GMT
Distribution: usa,world
Organization: The Portal System (TM)
Lines: 32
Xref: gmdzi rec.radio.shortwave:994 rec.ham-radio:10879
Posted: Tue Apr 17 00:15:16 1990


An incredible weekend of Pirate activity was logged on Los Numeros beginning
at 2345 UTC on 4/14 and extending through 0345 UTC on 4/16.  Sixteen (!)
different Free Air Broadcasters were logged with various snippets of
programming, signal strength and antenna heading tests, and plain old
ordinary kibbitzing on 7415 kHz.

Logged were the following stations:

        WRFI (Radio Free Intelligence)          East Coast Pirate Radio
        WXZR                                    Radio Gannymead (?)
        The Revolutionary Voice of Plainville   KBFA
        Radio USA                               Samurai Radio
        Voice of Monotony                       Voice of the Mountains
        Rockabilly Radio                        Radio Outlaw
        East Coast Beer Drinker                 Radio Free Papacia (?)
        4th of July Radio                       WPRA

Programming was relayed across the country to others participating in the
Teleconferencing who were unable to 'hear' in the classic sense.  What
an event!!

                                       Havana Moon

 *---------------------------------------------------------------------------
 *----------------------------------------------------------------------------*
 | Havana Moon's *LOS NUMEROS*   *  HAVANAMOON@cup.portal.com                 |
 | PO Box 149                    *  sun!portal!cup.portal.com!HAVANAMOON      |
 | Briarcliff Manor, NY 10510    *  1:272/39  (FidoNet)                       |
 *----------------------------------------------------------------------------*




From -5042134533001492140
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f685a2e1ee54eb92,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-Thread: 114d61,f685a2e1ee54eb92,start
X-Google-Attributes: gid114d61,public
X-Google-Thread: 114aac,f685a2e1ee54eb92,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 105d97,f685a2e1ee54eb92,start
X-Google-Attributes: gid105d97,public
X-Google-Thread: f9437,f685a2e1ee54eb92,start
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-04-17 13:34:35 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sdd.hp.com!elroy.jpl.nasa.gov!decwrl!ucbvax!ucdavis!csusac!sactoh0!quack!mrapple
From: mrapple@quack.UUCP (Nick Sayer)
Newsgroups: news.groups,rec.arts.tv,rec.ham-radio,rec.radio.shortwave,sci.electronics
Subject: CALL FOR VOTES - rec.arts.tv.cable FAILS
Message-ID: <5282@quack.UUCP>
Date: 16 Apr 90 21:41:41 GMT
Followup-To: news.groups
Organization: The Duck Pond, Stockton, CA
Lines: 93
Xref: gmdzi news.groups:17474 rec.arts.tv:3608 rec.ham-radio:10880 rec.radio.shortwave:995 sci.electronics:6282
Posted: Mon Apr 16 22:41:41 1990

[followups to news.groups. crossposted to s.e r.h-r for technical reasons, r.r.s because of satellite discussions]

At the end of the scheduled vote period for rec.arts.tv.cable, it appears the group has failed. 51 yes votes were received, 9 no votes. Although this represents a 85%:15% ratio, the requisite 100 vote differential was not achieved. Please check the vote list below. If your vote is not present, please send mail to me personally and I will correct the list. If there are significant differences after 5 days, I will post a corrected list.

Thanks to those who voted. C'est la vie.

If your vote is not listed, please send mail to nsayer@uop.edu or uop.edu!quack!mrapple. The vote daemon has been removed.

Vote list as of 4/17/90, 0000 UTC:

YES:

From: "Ofer Inbar" <uop!chaos.cs.brandeis.edu!cos>
From: "William K. McFadden" <uop!RELAY.CS.NET!bill%videovax.tv.tek.com>
From: "curtis, jeffrey a" <uop!rodan.acs.syr.edu!jacurtis>
From: <uop!ihlpm.att.com!meade>
From: <uop!pws.bull.com!eli>
From: Andy Malis <malis@BBN.COM>

```
From: BRUCE EDWARDS <csusac!ucdavis!locke.hs.washington.edu!BRUCE>
From: Chad Fogg <cfogg@milton.u.washington.edu>
From: Dave Ratcliffe <uop!uunet.UU.NET!compnect!dave>
From: Doug Blair <uop!obdient.chi.il.us!blair>
From: Floyd Miller <uop!PRC.Unisys.COM!starsend!floyd>
From: JENNIFER SANDERSON <pascal@nevada.edu>
From: Larry Setlow <uop!riacs!rutgers!cpac.washington.edu!pjt>
From: Mike Scanlon <uop!RELAY.CS.NET!scanlon%interlan.interlan.com>
From: Peter B. Hayward <uop!tank.uchicago.edu!pbhx>
From: Ronald van Loon <rloon@praxis.cs.ruu.nl>
From: Terry J. Wood <uop!unix.cis.pitt.edu!tjw>
From: Tom Flynn <uop!RELAY.CS.NET!tomf%tekigm2.men.tek.com>
From: Wes Morgan <uop!riacs!rutgers!ms.uky.edu!morgan>
From: breault@garnet.berkeley.edu (Kirk Breault)
From: csusac!ucbvax!cwjcc.INS.CWRU.Edu!gatech!harvard!anselm!ebertran (Erik Bertrand)
From: mrapple (Nick Sayer)
From: uop!EBay.Sun.COM!duane (Duane Day, Sun I.R. Applications Support)
From: uop!GARP.MIT.EDU!henry (Henry Mensch)
From: uop!bobm (Bob Marrow)
From: uop!cod.nosc.mil!scallon (Matthew C. Scallon)
From: uop!en.ecn.purdue.edu!stevew (Steven L Wootton)
From: uop!gatech.edu!dekalb!tas (N. Tasova)
From: uop!gvlv3.GVL.Unisys.COM!ean (Ed Naratil)
From: uop!mtqua.att.com!asd (Adam Denton)
From: uop!mtuxo.att.com!chris (Christopher R Riley)
From: uop!naucse.cse.nau.edu!rrw (Robert Wier)
From: uop!netcom!netnews (NetCom Usenet Admin)
From: uop!oswego.oswego.edu!vermilye (Jon R. Vermilye)
From: uop!pilchuck.Data-IO.COM!jewell (Cal Jewell)
From: uop!riacs!rutgers!cmcl2!dasys1!kenzo (Kenny Garson)
From: uop!sun!portal!cup.portal.com!Eric_Daniel_Schatz
From: uop!sun!portal!cup.portal.com!HAVANAMOON
From: uop!uunet!dooma.prl.philips.nl!shanks
From: uop!uunet!hsi.com!rao (Ananth Rao)
From: uop!uunet.UU.NET!capmkt!bandy (Guru Drew)
From: uop!uunet.uu.net!xanadu!STella
From: uop!world.std.com!eliz (Elizabeth Lear)
From: uop!x102a.ess.harris.com!dsampson (sampson david 58163)
From: csusac!ucbvax!whuts.att.com!jim
From: woody <uop!contact!djcl>
From: uop!uunet!lso.win.tue.nl!wsinrn (Rob J. Nauta)
From: Gary L Dare <gld@cunixd.cc.columbia.edu>
From: uop!Futures.COM!scott (Scott Boyd)
From: uop!uunet!infodn.rmi.de!hikaru (Walter Doerr)
From: Hal J. Miller <uop!PRC.Unisys.COM!cassini!hal>
```

NO:

```
From: "Steven V. Christensen" <uop!uceng.UC.EDU!schriste>
From: Dave Brennan <uop!DG-RTP.DG.COM!brennan>
From: Ian Harding <uop!uunet!ukc.ac.uk!ih>
```

```
From: uop!apldbio.com!jgro (Jeremy Grodberg)
From: uop!bongo!julian (Julian Macassey)
From: uop!decwrl!mdcbbs!dev3f.mdcbbs.com!sandy
From: uop!riacs!rutgers!tc.fluke.com!moriarty (Jeff Meyer)
From: uop!ucdavis.ucdavis.edu!csusac!sactoh0!mholtz (Mark A. Holtz)
From: uop!omni.com!bob (Bob Weissman)
--
Nick Sayer  -  The Duck Pond public unix  -  209-952-5347 (Telebit)
--------------------------------+--------------------------------
quack!mrapple@uop.edu           ! Disclaimer:
...pacbell!sactoh0!quack!mrapple !  "I ain't gonna touch it, but the
N6QQQ (145.75 - TCP/IP soon)     !   title alone gets two snaps up."


From 1771865503904473668
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7ad25a90cc649b35
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-17 13:38:06 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!IDA.ORG!roskos
From: roskos@IDA.ORG (Eric Roskos)
Newsgroups: rec.ham-radio
Subject: Re: Alf a Ham?
Message-ID: <1990Apr17.005605.17730@IDA.ORG>
Date: 17 Apr 90 00:56:05 GMT
References: <9004091229.AA27462@ti.com> <366@hfsi.UUCP>
Organization: IDA, Alexandria, VA
Lines: 13
Posted: Tue Apr 17 01:56:05 1990

bower@hfsi.UUCP (Michael Bower Comm. ) writes:

> The ham operator in the show is supposedly mr Tanner.

Yes, if you recall, the way Alf originally chose Willie Tanner's garage
to crash into in the pilot episode was the Willie made contact with Alf
on his Ham radio.  I forget the exact story, but I think Alf was having
trouble with his spacecraft and sent out a distress signal which Willie
picked up.
--
Eric Roskos (roskos@IDA.ORG or Roskos@DOCKMASTER.NCSC.MIL)

  "Mike and Angelo painted sixteen chapels lying on their backs."


From -5436280311128739608
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4417bc346a74fb2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,d97040c96cda3245,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-04-17 13:38:14 PST
```

Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!IDA.ORG!roskos
From: roskos@IDA.ORG (Eric Roskos)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: GOES Down Converter
Message-ID: <1990Apr17.012131.17819@IDA.ORG>
Date: 17 Apr 90 01:21:31 GMT
References: <9003290855.6DE40604FB01@es.office>
Organization: IDA, Alexandria, VA
Lines: 63
Xref: gmdzi rec.ham-radio:10882 rec.radio.shortwave:996
Posted: Tue Apr 17 02:21:31 1990
Followups-To: rec.radio.shortwave

Jay_Appell@es.UUCP writes:

>Can anyone suggest sources for a down converter for GOES reception ?

Spectrum International, Inc.
POB 1084
Concord, MA 01742

1691-LY Loop Yagi Antenna, $75
MMG 1691 Preamp, $250
MMK 1691 1691->137.5 MHz downconverter, $330

As you can see, it's expensive. You will also need an AM demodulator;
a PK232 won't work.

>I currently
>intercept the GOES photos from 8080 Norfolk WX and haven't found other
>sources.

Those pictures are originally from GOES TAP, a leased phone line / commercial satellite service. I'm not sure what the direct GOES pictures look like, though they are available. I don't know how well the Loop Yagi works; I've never found anyone who had one and used it (only a few people who said they had them but hadn't started using them). The Spectrum International antenna is supposedly hard to build: it consists just of aluminum pieces that you have to bend into loops and fasten onto the long "pole" of the antenna at the proper places. The NOAA bulletins say you need a dish antenna for GOES. I'd be interested in hearing from anyone who uses the Loop Yagi with GOES.

You might want to try receiving pictures directly from the polar satellites when they go by overhead; it costs a lot less and requires a much smaller antenna. You also get much better detail (because the satellite is so much closer), although without the superimposed maps.

>I would like to receive wirephotos, but I am unable to locate a
>frequency for this that is active. I am located in New England.
>Thanks in advance for your comments.

There used to be an AP station in New England that sent wire photos, but it seems not to work any more. There used to be a station from Buenos Aires that sent news photos; the station was for DyN (Diarios y Noticias) and had a logo that looked like a thumbprint. They were on 11451.00 at 0200Z on 5/7/88, the last time I logged them. I heard what sounded like a Press Fax station on 5149.41 on this past March 28th while trying to find TDM stations, but didn't try printing it.

Press Fax frequencies I used to have in my radio:

17673.70	LSB	AP, New York
11478.50	USB	DyN?
11449.65	USB	DyN

If you look through Gilfer's "Confidential" Frequency List, you will find a number of stations marked "AP New York" -- this is how I found the AP stations originally. The pictures tend mostly to be of people kicking soccer balls, and unknown political figures giving speeches. The last time I checked, though, they weren't on. They used to operate on alternate hours during the evening.

--
Eric Roskos (roskos@IDA.ORG or Roskos@DOCKMASTER.NCSC.MIL)

"Mike and Angelo painted sixteen chapels lying on their backs."

From -1540193857102807279
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b3df1b844fdeb2e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-08 13:22:15 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!elroy.jpl.nasa.gov!peregrine!ccicpg!cci632!rit!ultb!wlw2286
From: wlw2286@ultb.isc.rit.edu (W.L. Ware)
Newsgroups: rec.ham-radio
Subject: Icom 49a Mods...
Keywords: 900a, 49a, mods
Message-ID: <2715@ultb.isc.rit.edu>
Date: 8 Apr 90 20:22:15 GMT
Organization: Information Systems and Computing @ RIT, Rochester, New York
Lines: 21
Posted: Sun Apr 8 21:22:15 1990

I have an Icom 900a Super Multibander System, which I am trying to modify my 49a (440 Mhz) module for out of band tx/rx... I have removed the diode from the control head (and installed one where told to) and I can now make the display go from 420-470Mhz (approx.) but I cannot transmit out of band (the tx led turns on.) I believe that the module has a very narrow range and a person at icom mentioned retunning the VCO, but would not tell me any more.

Does anyone know how to complete the mod and shift the tx up a couple of MhZ? Has anyone done it?

Lance
p.s. no out of band mod flames please.
--

```
**********************************************************************
*W.L.Ware                                            LANCEWARE SYSTEMS*
*WLW2286%ritvax.cunyvm.cuny.edu                    Value Added reseller*
*WLW2286%ultb.isc.rit.edu                          Mac and IBM Access. *
```

From 2729159493792928610
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1e1df54559c45eb3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-08 18:03:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sdd.hp.com!elroy.jpl.nasa.gov!decwrl!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9004080704.AA04452@ucbvax.Berkeley.EDU>
Date: 8 Apr 90 03:33:53 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 333
Posted: Sun Apr 8 04:33:53 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #675 -
Alouette 1
1 00424U 62B-A  1 90 94.65622054  .00000384  00000-0  44991-3 0  2686
2 00424  80.4671 358.5677 0024268  99.4880 260.9014 13.67323595372647
ATS 3
1 03029U 67111  A 90 85.19999999 -.00000075  00000-0  99999-4 0  3105
2 03029  13.0950  21.8870 1511700 213.0960 275.0970  1.00274572 81968
Cosmos 398
1 04966U 71 16  A 90 95.87781837  .00089907  16630-4  52637-3 0  7360
2 04966  51.5235  58.8791 2332563  12.0743 352.7334 10.92772008583747
Starlette
1 07646U 75010  A 90 93.38170725  .00000051  00000-0  13469-3 0   218
2 07646  49.8254  93.6504 0205575 304.1243  54.0300 13.82136059765430
LAGEOS
1 08820U 76039  A 90 84.17564747  .00000003  00000-0  00000 0 0   358
```

```
2 08820 109.8583 326.3520 0044613 256.1711 103.4118  6.38664410 68578
GPS-0001
1 10684U 78020  A 90 94.14187154  .00000008  00000-0  99999-4 0  3552
2 10684  63.6880  91.8434 0116044 199.4439 160.1373  2.00558080 74365
GPS-0002
1 10893U 78 47  A 90 90.12448271 -.00000025  00000-0  00000 0 0  1072
2 10893  64.4166 332.8327 0162822  25.6014 335.2501  2.00547807 87105
SeaSat 1
1 10967U 78064  A 90 95.15882224  .00001709  00000-0  63543-3 0  2548
2 10967 108.0162 169.4771 0001911 231.5014 128.5851 14.35540202615970
GPS-0003
1 11054U 78093  A 90 91.41796723 -.00000025  00000-0  00000 0 0  1894
2 11054  63.9674 329.1132 0088551 114.4380 246.5664  2.00566376 84142
Nimbus 7
1 11080U 78098  A 90 92.22852239  .00000214  00000-0  22323-3 0  6398
2 11080  99.2007 358.8572 0008505 290.5812  69.4429 13.83413845577533
GPS-0004
1 11141U 78112  A 90 96.00123396  .00000008  00000-0  00000 0 0  3008
2 11141  63.6964  91.6953 0060824 316.0107  43.5218  2.00560483 82938
GPS-0005
1 11690U 80 11  A 90 95.64292369  .00000009  00000-0  00000 0 0  9214
2 11690  64.1703  93.7408 0113534 204.2713 155.2113  2.00556665 88781
GPS-0006
1 11783U 80 32  A 90 95.45405622 -.00000025  00000-0  00000 0 0   767
2 11783  63.7526 328.5596 0150863  60.9239 300.6165  2.00573618 72867
GOES 5
1 12472U 81049  A 90 94.87494609 -.00000231  00000-0  99999-4 0  8464
2 12472   3.2899  76.7975 0010280 210.5069 149.6961  1.00242024 31515
DE 1
1 12624U 81 70  A 90 93.12164510 -.00000081  00000-0 -57129-3 0  3578
2 12624  89.0578 148.6140 6213785 307.1889  10.8725  3.51024076259485
SME
1 12887U 81100  A 90 96.07227165  .00033504  00000-0  70379-3 0  5518
2 12887  97.6465 139.3944 0000848 252.0117 108.1043 15.45278489470119
Salyut 7
1 13138U 82 33  A 90 95.98277252  .00033348  00000-0  43824-3 0  1411
2 13138  51.6048 308.3357 0000978 176.7585 183.3380 15.58177308453579
Cosmos 1383
1 13301U 82 66  A 90 88.22371161  .00000197  00000-0  21988-3 0  5420
2 13301  82.9359 359.3811 0028732  23.9092 336.3390 13.67811981386743
LandSat 4
1 13367U 82 72  A 90 96.09559225 -.00000460  00000-0 -97147-4 0  2773
2 13367  98.1747 160.0176 0003052  20.1581 339.9848 14.57118160410807
IRAS
1 13777U 83  4  A 90 95.38945075  .00000123  00000-0  10968-3 0  7300
2 13777  99.0301 293.2996 0012675 222.2829 137.7358 13.98757469 36762
Cosmos 1447
1 13916U 83 21  A 90 94.42929210  .00000237  00000-0  23985-3 0  6815
2 13916  82.9407  66.5827 0038459 347.7414  12.2807 13.74024884352545
TDRS 1
1 13969U 83 26  B 90 88.88605720 -.00000208  00000-0  00000 0 0  9437
2 13969   4.2902  66.5749 0006905 263.3020  97.1849  1.00280192 92282
GOES 6
```

```
1 14050U 83 41  A 90 92.07053713  .00000121  00000-0  00000 0 0  1054
2 14050   2.0385  79.1757 0005250 222.3817 138.0009  1.00261594  9506
OSCAR 10
1 14129U 83 58  B 90 84.27862046 -.00000064  00000-0  00000 0 0  4622
2 14129  25.9479 212.4769 5985025 129.1636 301.2066  2.05882684 23004
GPS-0008
1 14189U 83 72  A 90 91.05096578  .00000007  00000-0  99999-4 0  7345
2 14189  63.3264  90.3069 0146224 219.5152 139.4228  2.00709146 49214
LandSat 5
1 14780U 84 21  A 90 96.05334579 -.00003151  00000-0 -69524-3 0   942
2 14780  98.2101 157.1711 0002031  71.8218 288.3180 14.57096697324215
UoSat 2
1 14781U 84 21  B 90 94.67880985  .00002796  00000-0  52817-3 0  6480
2 14781  97.9579 149.6227 0013721 117.3982 242.8594 14.65131608325206
GPS-0009
1 15039U 84 59  A 90 95.60926452  .00000007  00000-0  00000 0 0  8705
2 15039  63.0860  89.3125 0021743 242.0218 118.4938  2.00614172 42583
Cosmos 1574
1 15055U 84 62  A 90 89.59411243  .00000156  00000-0  15721-3 0  8340
2 15055  82.9587 120.2560 0026767 178.6048 181.5199 13.73337365289289
GPS-0010
1 15271U 84 97  A 90 93.01074473 -.00000025  00000-0  00000 0 0  7693
2 15271  63.2519 328.2355 0105958 325.9837  33.3910  2.00573472 39648
Cosmos 1602
1 15331U 84105  A 90 95.97576416  .00004959  00000-0  68665-3 0  1981
2 15331  82.5339  67.8168 0022224 202.5338 157.4843 14.77693272297420
NOAA 9
1 15427U 84123  A 90 96.08678677  .00000747  00000-0  42473-3 0  4996
2 15427  99.1673  94.2494 0014761 208.0191 152.0180 14.12510700273806
Cosmos 1686
1 16095U 85 86  A 90 95.98273666  .00065311  00000-0  84781-3 0  5395
2 16095  51.6029 308.3398 0001803 208.3982 151.5072 15.58204635254678
GPS-0011
1 16129U 85 93  A 90 94.17688987  .00000008  00000-0  00000 0 0  4486
2 16129  63.8595  90.3216 0120977 149.9138 210.7980  2.00510803 32875
Mir
1 16609U 86 17  A 90 95.97464766  .00034006  00000-0  38964-3 0  5156
2 16609  51.6183 334.3254 0013691 359.0982   0.9952 15.61666435236827
SPOT 1
1 16613U 86 19  A 90 95.99142886 -.00000540  00000-0 -24483-3 0  8254
2 16613  98.7049 171.4287 0001823  74.9706 285.1440 14.20051880 53688
Cosmos 1766
1 16881U 86 55  A 90 96.08159112  .00003150  00000-0  44009-3 0  9099
2 16881  82.5242 126.8604 0020128 225.1701 134.7861 14.77237738198509
EGP
1 16908U 86 61  A 90 82.38362287 -.00000047  00000-0 -56053-4 0  1722
2 16908  50.0128 159.7805 0011412 340.8346  19.2058 12.44385776164175
NOAA 10
1 16969U 86 73  A 90 95.60129682  .00001002  00000-0  45684-3 0  3607
2 16969  98.6068 125.1540 0014299 118.3689 241.8931 14.23534985184284
MOS-1
1 17527U 87 18  A 90 95.98194806  .00000464  00000-0  36998-3 0  4597
2 17527  99.1127 169.4475 0000765  95.5849 264.5444 13.94890357159190
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1 17561U 87 22  A 90 94.76334214 -.00000044  00000-0  99999-4 0  4589
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Kvant-1
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2 17845  51.6157 334.3308 0013063 357.7418   2.4264 15.61655723172878
DMSP B5D2-3
1 18123U 87 53  A 90 94.18037317  .00001110  00000-0  60412-3 0  5175
2 18123  98.8208 285.7690 0014019 231.3863 128.6048 14.13950843143948
RS-10/11
1 18129U 87 54  A 90 96.04666951  .00000051  00000-0  49375-4 0   906
2 18129  82.9294  21.8206 0011153 326.5384  33.5024 13.72075535139556
Meteor 2-17
1 18820U 88  5  A 90 92.59416403  .00000273  00000-0  23399-3 0  2110
2 18820  82.5385  50.5428 0016572 172.1421 188.0012 13.84308504109720
DMSP B5D2-4
1 18822U 88  6  A 90 96.26114560  .00001071  00000-0  50823-3 0  4324
2 18822  98.6578 336.7468 0007424 115.0265 245.1684 14.21357769112605
AO-13
1 19216U 88 51  B 90 84.34076849 -.00000112  00000-0  99999-4 0   831
2 19216  57.0247 162.9141 6918075 223.7284  54.0834  2.09703072 13642
OKEAN 1
1 19274U 88 56  A 90 96.04216322  .00002530  00000-0  35788-3 0  7008
2 19274  82.5165 225.5017 0022100   2.5152 357.6157 14.76634360 94270
Meteor 3-2
1 19336U 88 64  A 90 96.08854532  .00000392  00000-0  99999-3 0  4006
2 19336  82.5311 328.4357 0016475 127.0081 233.2499 13.16885681 81466
NOAA 11
1 19531U 88 89  A 90 94.37913638  .00000781  00000-0  45082-3 0  2153
2 19531  98.9753  42.6354 0012944 129.3791 230.8527 14.11525101 78551
TDRS 2
1 19548U 88 91  B 90 87.95843059  .00000130  00000-0  99999-4 0   815
2 19548   0.0305 163.0911 0001919 234.4105 322.4993  1.00271044  4642
Cosmos 1992
1 19769U 89  5  A 90 96.01991104  .00000672  00000-0  26270-3 0  2542
2 19769  74.0489 298.0119 0023758 158.0612 202.1562 14.31201590 62130
Cosmos 2001
1 19796U 89 11  A 90 94.91845524 -.00001028  00000-0  99999-4 0  4201
2 19796  63.1078 102.2290 7121640 319.8714   5.0318  2.00656359  8336
GPS BII-01
1 19802U 89 13  A 90 84.20620273  .00000016  00000-0  99999-4 0   733
2 19802  55.0674 200.7245 0059398 159.4655 200.7139  2.00562044  8067
Akebono
1 19822U 89 16  A 90 95.57376730  .00012942  00000-0  90047-3 0  4982
2 19822  75.1071 274.1589 4198067 267.9439  44.9824  7.07007464 28282
Meteor 2-18
1 19851U 89 18  A 90 88.06340460  .00000189  00000-0  16080-3 0  1604
2 19851  82.5205 292.3062 0012806 230.8733 129.1289 13.83951283 54481
TDRS 3
1 19883U 89 21  B 90 73.63596307 -.00000234  00000-0  99999-4 0   571
2 19883   0.0121 142.7301 0004020 162.5881  54.6626  1.00271148  2948
GPS BII-02
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2 20061  54.7360  19.2046 0082149 173.1235 186.9879  2.00562067  5825
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2 20103  82.9617 343.2216 0036252 259.6609 100.0472 13.73575466 36872
GPS BII-03
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2 20185  54.9240 201.5454 0026080 146.4732 213.6690  2.00561278  4390
Activnyi
1 20261U 89 80  A 90 95.87272347  .00002894  00000-0  90735-3 0  3746
2 20261  82.5896 274.4609 1259881 141.8255 227.9283 12.43471125 23607
Activnyi RB
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2 20262  82.5906 274.6705 1261844 142.5727 227.0377 12.43074011 23566
Magion 2
1 20281U 89 80  B 90 95.85533850  .00003489  00000-0  10894-2 0  3877
2 20281  82.5889 274.4249 1259752 141.7873 227.9700 12.43665027 23603
GPS BII-04
1 20302U 89 85  A 90 93.56239123 -.00000029  00000-0  99999-4 0   485
2 20302  54.6818 320.1038 0038342 316.1809  43.5712  2.00568734  3253
Meteor 3-3
1 20305U 89 86  A 90 92.56234753  .00000014  00000-0  22701-4 0   718
2 20305  82.5491 271.3387 0015898 154.2148 205.9766 13.15853081 21001
COBE
1 20322U 89 89  A 90 92.05215757  .00004631  00000-0  30754-2 0   687
2 20322  99.0176 103.0760 0007096 212.0115 148.0622 14.01678220 18827
Kvant-2
1 20335U 89 93  A 90 95.97467304  .00012425  00000-0  14669-3 0  1619
2 20335  51.6218 334.3270 0014695   3.4476 356.7690 15.61643915 20479
GPS BII-05
1 20361U 89 97  A 90 85.37752912  .00000016  00000-0  99999-4 0   192
2 20361  54.9694 143.6304 0059986  62.3433 298.3547  2.00578066  2060
SPOT 2
1 20436U 90  5  A 90 95.32214288  .00004445  00000-0  21057-2 0   852
2 20436  98.7114 170.7849 0001192  96.1393 264.0004 14.20020239 10401
UO-14
1 20437U 90  5  B 90 94.70565768  .00000068  00000-0  35155-4 0   455
2 20437  98.7005 171.0195 0011693  13.2313 346.9172 14.28544602 10373
UO-15
1 20438U 90  5  C 90 94.22658296  .00000672  00000-0  28542-3 0   386
2 20438  98.7043 170.5385 0010972  16.8573 343.2924 14.28317844 10301
PACSAT
1 20439U 90  5  D 90 91.26911740  .00000991  00000-0  41019-3 0   360
2 20439  98.7136 167.6512 0012244  22.3626 337.8129 14.28645767  9884
DO-17
1 20440U 90  5  E 90 95.74964558  .00000943  00000-0  39093-3 0   304
2 20440  98.7115 172.1224 0012269  10.3414 349.7970 14.28691837 10521
WO-18
1 20441U 90  5  F 90 95.74389687  .00000662  00000-0  27873-3 0   265
2 20441  98.7027 172.1163 0012666  11.3964 348.7487 14.28796561 10520
LO-19
1 20442U 90  5  G 90 96.09052163  .00000863  00000-0  35773-3 0   330
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1 20452U 90  8  A 90 90.57837332 -.00000000  00000-0  99999-4 0   267
2 20452  54.6144 259.1483 0034708  60.1888 300.1280  2.00566395  1285
PRC-26
1 20473U 90 11  A 90 71.25642786 -.00000262  00000-0  99999-4 0   366
2 20473   0.0912 295.7660 0000216  40.4684  23.7389  1.00268398   368
1990 011B
1 20474U 90 11  B 90 70.45931368  .00008564  00000-0  28596-2 0   191
2 20474  30.5413 293.8454 7260425 199.4213 103.2645  2.30231055   760
Cosmos 2059
1 20476U 90 12  A 90 71.70450279  .00268139  16276-4  75305-3 0  1026
2 20476  65.8265 286.7895 1285784 133.0880 238.5288 13.26692660  4478
1990 012B
1 20477U 90 12  B 90 71.81006393  .00478087  17407-4  86754-3 0  1182
2 20477  65.8383 285.2297 1215139 132.0593 239.0520 13.46529432  4526
MOS-1B
1 20478U 90 13  A 90 95.93583758  .00000112  00000-0  10867-3 0  1266
2 20478  99.1936 166.4433 0000478 138.1130 222.0104 13.94833791  8066
DEBUT
1 20479U 90 13  B 90 66.25543317 -.00000045  00000-0 -73232-4 0   191
2 20479  99.0518 131.9584 0540229 279.3893  74.6534 12.83148607  3675
FO-20
1 20480U 90 13  C 90 93.62525126  .00000132  00000-0  34767-3 0   208
2 20480  99.0483 154.1880 0540612 217.3591 138.8750 12.83124235  7181
1990 013D
1 20491U          90 85.18716079 -.00000314          -56773-3 0   202
2 20491  99.0492 148.6690 0470374 225.6034 130.5656 13.02708793  5597
Soyuz TM-9
1 20494U 90 14  A 90 95.97463192  .00045741  00000-0  52136-3 0   674
2 20494  51.6179 334.3324 0012978 358.0134   1.9930 15.61674117  8394
USA-51
1 20496U          90 72.61405566 0.00006039           38701-3 0   341
2 20496  43.1160 127.2684 0012138 129.2385 230.9548 15.09120691  4079
USA-52
1 20497U          90 72.51517909 0.00010921           33808-3 0   355
2 20497  43.1034 122.8931 0010853  90.0585 270.1507 15.33471906  4138
1990 015C
1 20498U          90 81.09953213 0.00059706           13764-2 0   454
2 20498  41.6300  68.4127 0038152  27.2360 333.0469 15.40934956  5476
Raduga 25
1 20499U          90 81.06833755 0.00000001           10000-3 0   400
2 20499   1.4006 274.1312 0004873 103.7390 255.0465  1.00264606   352
1990 016D
1 20502U 90 16  D 90 84.10001850  .00000154  00000-0  99999-4 0   126
2 20502   1.4209 273.2174 0037369  64.0442 295.2518  1.00014886   405
Nadezhda 2
1 20508U 90 17  A 90 89.53681993  .00000248  00000-0  25568-3 0   143
2 20508  82.9505 117.9024 0043573 203.0499 156.8713 13.73193454  4217
1990 017B
1 20509U          90 87.68788679 0.00000347           35298-3 0   296
2 20509  82.9522 119.2241 0041578 186.2581 173.8063 13.74435282  3967
OKEAN 2
1 20510U 90 18  A 90 96.05608297  .00002176  00000-0  33554-3 0   469
2 20510  82.5286 164.1322 0020919 144.5079 215.7564 14.72879997  5458
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1 20511U          90 89.05320873 0.00001995           30621-3 0   194
2 20511  82.5291 170.5611 0021053 166.6080 193.5693 14.73029041  4424
Progress M3
1 20513U 90 20  A 90 95.97459514  .00078138  00000-0  88165-3 0   460
2 20513  51.6179 334.3267 0013639 350.5949   9.2094 15.61698303  5637
INTELSAT-6
1 20523U 90 21  A 90 96.05299543  .00003784  00000-0  26354-3 0   362
2 20523  28.3479  16.5824 0017751 129.8955 230.3085 15.02596774  3586
Cosmos 2060
1 20525U 90 22  A 90 95.73717837  .00010955  00000-0  18449-3 0   454
2 20525  65.0289   4.0228 0009633 266.0612  93.9469 15.52076536  3436
Cosmos 2061
1 20527U          90 89.94888228 0.00000218           23060-3 0   143
2 20527  82.9389 203.6513 0029978 242.6532 117.1560 13.71240520  1508
1990 023B
1 20528U 90 23  B 90 94.74846989  .00001515  00000-0  16370-2 0   271
2 20528  82.9453 200.1045 0024610 217.4588 142.4834 13.72640314  2155
Cosmos 2062
1 20529U 90 24  A 90 94.74385527  .00099380  31691-5  12307-3 0   368
2 20529  82.3263 300.5664 0040936  60.7188 299.9716 16.05926774  2158
GPS BII-07
1 20533U 90 25  A 90 93.13613938 -.00000032  00000-0  00000 0 0   103
2 20533  55.0546  18.9610 0028410  67.1916 293.0923  2.01119080    99
1990 025B
1 20534U 90 25  B 90 94.24281941  .37884102 -24813-4  63644-3 0   288
2 20534  30.2158 304.0569 0043641 119.9657 240.7652 16.42527861  1456
1990 025C
1 20535U          90 91.08733286 0.00239366  16758-4  28459-2 0    71
2 20535  37.5752  10.9677 6034113 205.0637 106.1655  4.09270167   265
1990 026A
1 20536U 90 26  A 90 95.18796175 -.00000845  00000-0  55581-2 0   164
2 20536  62.8252  23.5499 7367937 318.2324   4.6960  2.00653191   181
1990 026B
1 20537U 90 26  B 90 95.24716172  .00748229  10160-4  12939-2 0   167
2 20537  62.7612 353.1662 0218563 119.7342 242.5745 15.70921967  1345
1990 026C
1 20538U 90 26  C 90 95.77214299  .02311999  37739-4  10963-2 0   280
2 20538  62.8120 350.6817 0197601 122.6062 239.5668 15.90154364  1437
1990 026D
1 20539U          90 91.17328937 0.00003687           62184-1 0    28
2 20539  63.0080  23.8890 7344659 318.4743   0.6448  2.02995503   126
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cs.utexas.edu!texbell!bellcore!ka9q.bellcore.com!karn
From: karn@ka9q.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: AMSAT Bulletins
Message-ID: <21890@bellcore.bellcore.com>
Date: 8 Apr 90 06:50:04 GMT
Sender: news@bellcore.bellcore.com
Reply-To: karn@ka9q.bellcore.com (Phil Karn)
Organization: Secular Humanists for No-Code
Lines: 529
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Posted: Sat, Mar 31, 1990 8:06 PM GMT Msg: HGJA-4211-6292
From: CDUNCAN
To: is
CC: w1aw
Subj: ans$090

SB ALL @ AMSAT $ANS-090.01
RUDAK-2 MULTI MODE TRANSPONDERS

HR AMSAT NEWS SERVICE BULLETIN 090.01 FROM AMSAT HQ
SILVER SPRING, MD MARCH 31, 1990
TO ALL RADIO AMATEURS BT

RUDAK-2 To Carry Mode B Linear Transponder & Packet Radio

RUDAK-2, the second generation packet radio experiment to RUDAK which was flown on AO-13, has now been completed, tested, and fully integrated into a Soviet geological research satellite, known as GEOS, and is scheduled to fly in July. RUDAK-2 will not only carry a Mode B linear transponder for SSB and CW contacts but will also carry a variety of packet radio experiments. The digital communication capability of RUDAK-2 is astounding: five different data rates from 400 bps to 9600 bps using various modulation schemes. Radio amateurs will have the choice of using four different uplink frequencies for the various data rates. There is also a provision for digital signal processing (DSP) experimentation. Powering this "super-TNC" will be two on-board computers, providing processing at 15 Million Instructions Per Second (MIPS). RUDAK-2 will be compatible with AX.25 protocol and those amateurs who are equipped for FO-20, PACSAT, LUSAT, AO-13 PSK telemetry, and UO-14 will be ready to use RUDAK-2. The following are the transponder specifications provided by AMSAT-DL:

Amateur Radio Payload: Linear and Regenerative Transponders

Linear Transponder Uplink: 435.030 - 435.120 MHz (90 KHz)
Linear Transponder Downlink: 145.880 - 145.970 MHz (inverted)
Output Power: 12 watts HF maximum.
Beacon : 145.880 MHz, CW telemetry.

RUDAK-II: Two onboard computers with IPS operating systems for packet radio (AX.25) (Mailbox, telecommunications experiment with Digital Signal Processing up to nearly 20 KHz, etc.) 1 MByte RAM disk. Four separate uplink channels.

Gain of satellite RX and TX antennas: 2.3 dBi each (dipoles)

Input sensitivity: < -125 dBm (435 MHz) for a C/No of 45 dBHz

SAT-RX-1: 435.016 MHz +-10 KHz 1200 bps, FSK, NRZIC/Biphase-M (JAS, PACSAT)
SAT-RX-2: 435.155 MHz +-10 KHz (AFC) 2400 bps, BPSK, Biphase-S
SAT-RX-3a: 435.193 MHz +-10 KHz (AFC) 4800 bps, RSM, NRZIC/Biphase-M
SAT-RX-3b: 435.193 MHz +-10 KHz (AFC) 9600 bps, RSM, NRZI (NRZ-S) + Scrambler
SAT-RX-4: 435.041 MHz +-10 KHz (digital AFC) RX for RTX-DSP experiments

The downlink can be switched to the following operating modes:
Transmit frequency: 145.983 MHz

Mode 1: 1200 bps, BPSK, NRZI (NRZ-S) (like FO-20)
Mode 2: 400 bps, BPSK, Biphase-S (AMSAT mode for OSCAR-13 beacon)
Mode 3: 2400 bps, BPSK, Biphase-S (planned for OSCAR-13)
Mode 4: 4800 bps, RSM, NRZIC (Biphase-M) (like 4800 bps uplink)
Mode 5: 9600 bps, RSM, NRZI (NRZ-S) + Scrambler (like 9600 bps uplink)
Mode 6: CW keying (only for special events)
Mode 7: FSK (F1 or F2B), e.g. RTTY, SSTV, FAX, etc (only for special events)
Mode 8: FM modulated by D/A signals from DSP-RISC processor (e.g. speech)

Power consumption: 14V @ 350 mA (max) = 4.9 W;
Standby: 80 mA (RUDAK without power amplifier)

RUDAK-2 is a joint project of AMSAT-U-ORBITA, the Adventure Clubs in Moscow and the AMSAT-DL/RUDAK Group in Marburg, Munich and Hannover.

[ANS would like to thank DB2OS and DJ0HC/KE6MN for providing this information about RUDAK-2]

/EX
SB ALL @ AMSAT $ANS-090.02
DO-17 RECOVERY EFFORTS CONTINUE

HR AMSAT NEWS SERVICE BULLETIN 090.02 FROM AMSAT HQ
SILVER SPRING, MD MARCH 31, 1990
TO ALL RADIO AMATEURS BT

N4HY Using DSP Techniques To Receive Mode S Packets From DOVE

This week AMSAT Ground Command Station N4HY accquired a Mode S receive only down converter in order to facilitate his efforts in uploading software to DOVE-OSCAR-17. However, due to a low index of modulation on the DOVE S Band transmitter, Bob has had to resort to using Digital Signal Processing (DSP) techniques in order to copy the packets transmitted on 2401.220 MHz. Another factor which has caused him to turn to DSP to upload software is the very high doppler shift present during Mode S passes for low-earth-orbiting (LEO) satellites. On a recent DO-17 pass that WD0E and WD0HHU monitored in the Denver, CO area, it was noted that there was about a 100 KHz shift in frequency from the beginning to the end of the pass at 2401 MHz! With a down converter and a 45 element loop yagi antenna obtained from Down East Microwave, Bob will have to be able to have sufficient signal-to-noise ratio (SNR) to succesfully complete the DOVE software upload process. Stay tuned to AMSAT HF/VHF Nets for further information on the return of DO-17 telemetry to 145.825 MHz.

/EX
SB ALL @ AMSAT $ANS-090.03
N6DBF TO COORDINATE DIAL-UP BBSS

HR AMSAT NEWS SERVICE BULLETIN 090.03 FROM AMSAT HQ
SILVER SPRING, MD MARCH 31, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Vice President for Operations, Courtney Duncan, N5BF, announces the appointment of John Wisniowski, N6DBF, Operational Coordinator for Dial-Up Bulletin Board System Activities. In this position, John will be formalizing and expanding the now loosely connected system of dial-up BBSs that carry AMSAT information on a regular basis into the "AMSAT BBS Network."

Systems belonging to the AMSAT BBS Network will be listed as official sources of AMSAT information (AMSAT News Service Bulletins, Orbital Elements, and related releases) in AMSAT publications and will coordinate with N6DBF to set up mechanisms for regular access to the information. Dial-up BBS operators who are now performing this sort of service or would like to be included in the AMSAT BBS Network are asked to contact:

John Wisniowski, N6DBF
1706 Roanoke St.
Placentia, California   92670

or leave a note for JOHN WISNIOWSKI on the DRIG/AMSAT BBS at 214-394-7438.

/EX
SB ALL @ AMSAT $ANS-090.04
STS-35 MISSION APPROACHING LAUNCH

HR AMSAT NEWS SERVICE BULLETIN 090.04 FROM AMSAT HQ
SILVER SPRING, MD MARCH 31, 1990
TO ALL RADIO AMATEURS BT

SAREX activities by WA4SIR to be the longest in Shuttle Program

Long standing AMSAT member Ron Parise, WA4SIR, is a Mission Specialist on the Space Shuttle mission STS-35 scheduled to be launched May 9, 1990 from Cape Canaveral. Ron will be carrying a fair amount of amateur radio equipment on this mission and there will be upwards of 120 hours for amateur operation during the 10 day mission.

Ron will operate both 2 meter FM voice as well as 2 meter AFSK packet. The packet station (an HK-21 "pocket-packet TNC" marketed by Heathkit) will transmit bulletins providing updates on the mission and will operate in a ROBOT mode where stations on the ground can connect to the shuttle TNC and obtain a QSO number to validate the contact. The ROBOT should be available for about 90 hours during the flight.

Ron is scheduled to operate the 2 meter voice station during his off hours (for a total of about 30 hours) and he will spend a fair amount of time talking with school classrooms around the world offering them the opportunity to talk directly with an astronaut abord the Space Shuttle. NASA has authorized SAREX in order to "encourage youth to become excited about science and technology" and to publicize manned spaceflight to the general public.

This past week the amateur equipment to be used on the mission underwent EMI/EMC (Electro-Magnetic Interference/Electro-Magnetic Compatibility) tests. These tests are designed to determine the possibility of any interference the amateur equipment my inflict on any of the shuttle electronic systems. NASA has notified AMSAT that all the equipment passed the tests.

With SAREX on STS-35, Amateur Radio may have an opportunity to further the quest for international cooperation in space. Now that amateur radio activity on the MIR space station appears to have resumed, AMSAT is investigating whether there will be a mutual-visibility window between STS-35 and Mir for a first-ever Shuttle to Mir linkup. Adding to the excitement, the STS-35 Mission Commander is Vance Brand, who participated in the the Apollo/Soyuz program many years ago. Amateur Radio may get front page coverage if this history setting QSO is possible. As further details become available, they will be reported in the AMSAT News Service.

/EX
SB ALL @ AMSAT $ANS-090.05
NEW TRACKING PROGRAM AVAILABLE

HR AMSAT NEWS SERVICE BULLETIN 090.05 FROM AMSAT HQ
SILVER SPRING, MD MARCH 31, 1990
TO ALL RADIO AMATEURS BT

SATSCAN-II Now Available in North America

AMSAT-UK has announced the release of their latest satellite tracking program in North America. SATSCAN-II is written for PC compatible computers (XT or AT) and is now available to North American amateurs through Project OSCAR. SATSCAN-II was written by Trevor Stockill (G4GPQ) and is an update of the popular SAT-SCAN program used by many AMSAT-UK members. While in the graphics mode of operation, SATSCAN-II incorporates a graphics display of the world, in full color on an EGA screen. The world map includes a footprint of the coverage area provided by a particular satellite. A math co-processor will improve calculation speed of SAT-SCAN-II but it is not required for operation. CGA equipped PC's can use SATSCAN-II for output in non-graphical format.

SATSCAN-II is fully menu driven for easy operation. It also gives the user complete azimuth and elevation tracking information including squint angle data. Tracking information can be sent to a printer or to a disk file for easy transmission by packet radio, or reproduction in club newsletters.

SATSCAN-II also provides the option to determine mutual visibility windows for up to four stations at once, including mutual squint angle data. Therefore, users will know when the best operation times will occur during their schedules.

Keplerian Elements can be imported into SATSCAN-II as a text file in one of three formats:

1 - typical AMSAT-NA multi-line format
2 - two line NASA element format
3 - DCE format as transmitted by UoSAT-OSCAR-11

In addition, Keplerian data may be entered by hand.

SATSCAN-II was originally obtained direct from AMSAT-UK, but is now available in North America from Project OSCAR. All funds received from the SATSCAN-II are directed to future Amateur Radio satellites. For additional information, contact Project OSCAR and include a Self-Addressed, Stamped Envelope.

Project OSCAR, Inc.
Post Office Box 1136
Los Altos, California 94023-1136

/EX
SB ALL @ AMSAT $ANS-090.06
AO-13 OPERATING SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 090.06 FROM AMSAT HQ
SILVER SPRING, MD MARCH 31, 1990
TO ALL RADIO AMATEURS BT

AO-13 Transponder Schedule to 09May90

Mode-B : MA 000 to MA 165
Mode-JL : MA 165 to MA 195
Mode-S : MA 195 to MA 200
Mode-BS : MA 200 to MA 205
Mode-B : MA 205 to MA 256
Omnis   : MA 240 to MA 060

BLON = 207.6 and BLAT = 1.1   for 02Apr90

Only the Mode-S transponder and the Mode-B beacon will be on from MA 195 to MA 200.

AO-10 is currently experiencing solar eclipses during major portions of it orbit and until further notice its transponder is not available for use.

/EX
SB ALL @ AMSAT $ANS-090.07
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 090.07 FROM AMSAT HQ
SILVER SPRING, MD MARCH 31, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times. Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970. All nets in the current cycle occur on Saturday U. S. time.

Date UTC	Time	Phs	Mode	NCS
01 Apr 90	0400	118	B	N5BF
07 Apr 90	1300	212	B	N5BF
15 Apr 90	0210	168	J/L	N5BF
22 Apr 90	0400	127	B	N5BF
28 Apr 90	1300	221	B	N5BF
06 May 90	0145	168	J/L	N5BF

/EX

Posted: Sat, Apr 7, 1990 6:39 PM GMT Msg: DGJA-4221-9026
From: CDUNCAN
To: is
CC: w1aw
Subj: ANS$097

SB ALL @ AMSAT $ANS-097.01
AMSAT AT DAYTON HAMVENTION

HR AMSAT NEWS SERVICE BULLETIN 097.01 FROM AMSAT HQ
SILVER SPRING, MD APRIL 7, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Planning To Be Present At Dayton Hamvention '90

AMSAT-NA Vice President of Field Operations, Jack Crabtree (AA0P) invites all radio amateurs to join AMSAT this year at the Dayton Hamvention on April 27-29, 1990. As has been the tradition for many years, AMSAT will have a booth and will be sponsoring Symposiums on Friday and Saturday. On Friday, the Symposium will focus on the Shuttle Amateur Radio Experiment-2 (SAREX-2) mission with speakers Roy Neal (N6DUE) and Bill Tynan (W3XO). They will be discussing the upcoming STS-35 mission with Ron Parise (WA4SIR) who will operate both 2M voice and packet radio. On Saturday, AMSAT-NA President and General Manager Doug Loughmiller (KO5I) will be the speaker for a Symposium titled "1990: The Year of The Amateur Radio Satellite." This discussion will give a complete run down of all the amateur satellites launched so far this year and what is being planned for the future. Also, Bob McGwier (N4HY) and Jan King (W3GEY) will give a summary of the MICROSAT program. Before and after these Symposiums, all radio amateurs are invited to come by the AMSAT booth to "talk to the experts." Many of the AMSAT-NA Officers and Board of Directors will be present throughout the Dayton Hamvention. Stay tuned next week to the AMSAT News Service (ANS) bulletins for further details about the AMSAT activities planned for the Dayton Hamvention.

/EX
SB ALL @ AMSAT $ANS-097.02
W5UN'S EME ARRAY DESTROYED

HR AMSAT NEWS SERVICE BULLETIN 097.02 FROM AMSAT HQ
SILVER SPRING, MD APRIL 7, 1990
TO ALL RADIO AMATEURS BT

Tornado Destroys W5UN's Huge EME Array

AMSAT-NA officials learned this week of the destruction of Dave Blanschke's (W5UN) world famous Earth-Moon-Earth (EME) moonbounce array due to a tornado that touched down at his QTH located near Houston, TX. Many will remember the January '89 QST article spotlighting Dave's EME system and the enormous effort he put into building the world's largest privately owned 2M EME array. Most recently, OSCAR users heard that W5UN assisted AMSAT when it needed all of the 32.5 dBi gain generating about 2 Megawatts EIRP from his moonbounce station to reset the On-Board Computer (OBC) of DOVE-OSCAR-17 (DO-17) three weeks ago. (Due to a software crash, DOVE'S 2M transmitter was overloading the command receiver.) The signal from W5UN's EME station was able to silence DOVE's 2M transmitter. After several tries, W5UN was able to send the reset command allowing N4HY and NK6K to regain control of DOVE and it's battery maintenance system. In all respects, W5UN's EME installation was an exemplary amateur radio station becuse of its ingenious design. W5UN suffered the nightmare that every amateur fears: Total destruction of an antenna system and the years of effort spent building an excellent station. AMSAT-NA would like to express its deepest regrets for W5UN's loss along with its greatest appreciation for his help during the critical period when the DO-17 OBC needed to be reset.

As a final note, W5UN will still be keeping EME schedules using the station of N5BLZ.

/EX
SB ALL @ AMSAT $ANS-097.03
FIRST 9600 BAUD TRAFFIC THRU UO-14

HR AMSAT NEWS SERVICE BULLETIN 097.03 FROM AMSAT HQ
SILVER SPRING, MD APRIL 7, 1990
TO ALL RADIO AMATEURS BT

High speed satellite data communication record set.

```
cmd:C G0K8KA v UOSAT3-1
cmd:*** CONNECTED to G0K8KA VIA UOSAT3-1 [04-Apr-90  22:12:03]

Hi Jeff - a world first??? >>>>
```

```
  What say
Yes - a bit pedestrian, but what do you expect for a first cut...
  Yes, but my tnc doesn't seem too happy with it!
Hmmm - shall I send you the file???  >>>>
  I gotta check some asynchronous tlm, so will have to suspend the
  pce for a bit.  Sorry ....
  Yes, try to send it. now>>                     (* Phew! *)
OK will send.                                    (* So I did *)
```

This is the first transaction to be digipeated through Oscar-14 at 9600 baud between James Miller, G3RUH and Jeff Ward, G0K8KA. The date and time are 1990 Apr 04 at 2215 UTC, orbit number 1041. This is believed to be the fastest data transmission through an amateur satellite to date.

UoSat-D is on 9600 baud for about 1.5 minutes every 5 minutes, sometimes longer. This signal sounds very like an unsquelched background hiss. However the squelch will be triggered as normal. To determine if UO-14 is in 9600 baud mode look for d:1 in the LSTAT telemetry frame. This means the high speed digi is ON. d:0 means it is OFF. This is the same convention as in the Microsats because the same software is in use for these tests. The downlink frequency was 435.070 Mz, +/- 10 kHz doppler shift. As FM was used, only occasional manual adjustments were needed to the receiver. The uplink frequency used was 145.975 MHz.

Equipment at both ends was FT736R with TX audio direct connected to the varactor, and RX audio directly connected from the discriminator. James reports that the two non-destructive additions to the FT736R took about 30 minutes to implement. Using similar techniques, many of today's commercial transceivers can be modified to allow for similar high speed data communication. A 9600 baud full duplex modem is required to drive the tranceiver and a number of designs are commercially available at present. A comprehensive article describing the G3RUH design is published in the ARRL 7th Computer Networking Conference Papers, Oct 1988, pages 135-140. It can be obtained from ARRL, RSGB and other Society bookshops.

> [AMSAT wishes to thank G3RUH for the information for this bulletin and also congratulates James and Jeff for their record setting accomplishment].

/EX
SB ALL @ AMSAT $ANS-097.04
ORBS$ BULLETIN CHANGES

HR AMSAT NEWS SERVICE BULLETIN 097.04 FROM AMSAT HQ
SILVER SPRING, MD APRIL 7, 1990
TO ALL RADIO AMATEURS BT

Satellite Keplerian Elements to be Broken into Additional Groups

AMSAT's Orbital Data Manager Dick Campbell, N3FKV, announced that this week's release of current orbital elements will be split into more categories. The bulletin ORBS-xxx.O (OSCAR) will contain AO-10, UO-11, RS-10/11, AO-13 and FO-20. These are the satellites with wide band transponders used predominantly for CW, SSB and RTTY communications. The bulletin ORBS-xxx.D (MICROS) will contain UO-14, AO-16, DO-17, WO-18, and LO-19. These satellites are "digital" in nature, using packet communication as the primary modulation technique. The bulletins ORBS-xxx.M (for Manned and Miscellaneous) and ORBS-xxx.W (for weather satellites) will continue to be published in their present format.

Dick indicated that this move is taken to further relieve congestion on packet circuits and allow shorter downloads for users who are interested in only one class of satellites.

/EX
SB ALL @ AMSAT $ANS-097.05
JAMSAT ELECTS NEW BOD & OFFICERS

HR AMSAT NEWS SERVICE BULLETIN 097.05 FROM AMSAT HQ
SILVER SPRING, MD APRIL 7, 1990
TO ALL RADIO AMATEURS BT

Japan AMSAT Organization (JAMSAT) Elects New Board of Directors & Officers

At the 1990 Annual Meeting of Japan AMSAT Association (JAMSAT) that was held on March 18, 1990 in Tokyo the following Board of Directors (BOD) were elected and will serve until 1992:

* JK1VXJ Moriyoshi Ohara
# JM1MCF Yuutai Katou
* JQ1HXT Shinichi Sudo
# JR1FIG Masaya Fukasawa
# JR1ING Youichi Kikukawa
# JR1SWB Mikiyasu Nakayama
# JA2PKI Takeo Okamoto
* JG3XOD Toshihiro Sugimoto
# JH3BJN Sumio Nakane
# JM3MAJ Hiroyuki Oohata
# JA6XKQ Yoshiyuki Takeyasu

Elected Board of Directors
* Nominated by elected Board of Directors

Officers for the 1990-1992 period are:

President - JA2PKI, Takeo Okamoto
Vice President - JR1SWB, Mikiyasu Nakayama
Vice President - JH3BJN, Sumio Nakane
Auditor - JH1CMP, Morizo Iseki

The Board of Directors has established the following goals that they will be working to achieve during the next two years:

1. Transfer of most clerical tasks from volunteer team to a professional organization.

2. Resumption of a membership recruitment campaign.

3. Participation in future OSCAR projects.

4. Improvement of satellite users support.

[ANS would like to thank JA3PKI for providing this information.]

/EX
SB ALL @ AMSAT $ANS-097.06
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 097.06 FROM AMSAT HQ
SILVER SPRING, MD APRIL 7, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times. Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970. All nets in the current cycle occur on Saturday U. S. time.

Date UTC	Time	Phs	Mode	NCS
15 Apr 90	0210	168	J/L	N5BF
22 Apr 90	0400	127	B	N5BF
28 Apr 90	1300	221	B	N5BF
06 May 90	0145	168	J/L	N5BF

For information on the amateur satellite program and how you can participate, contact AMSAT-NA at P.O. Box 27, Washington, DC 20044, or phone (301) 589-6062, or contact your local AMSAT Area Coordinator.

/EX
SB ALL @ AMSAT $ANS-097.07
AO-13 OPERATING SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 097.07 FROM AMSAT HQ
SILVER SPRING, MD APRIL 7, 1990
TO ALL RADIO AMATEURS BT

AO-13 Transponder Schedule to 07May90

Mode-B : MA 000 to MA 165
Mode-JL : MA 165 to MA 195
Mode-S : MA 195 to MA 200
Mode-BS : MA 200 to MA 205
Mode-B : MA 205 to MA 256
Omnis   : MA 240 to MA 060

BLON = 207.8 and BLAT = 0.6   for 16Apr90

The Mode-B beacon will be ON from MA 195 to MA 200. Only the Mode-S transponder & the Mode-B beacon will be ON from MA 195 to MA 200. Beginning 07May90 there will be a transponder and attitude change on AO-13. During magnetorquing to BLON/BLAT 180/0 the transponders will be switched off from MA200 to MA060. After 09May90 a new schedule will be announced.

AO-10 is currently experiencing poor solar panel illumination angles and until further notice its transponder is not available for use. It is expected that this will continue for at least another 4 to 6 weeks.

/EX

From 1240128528076894087
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6dfe1d3ac47e2fe6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-08 19:16:24 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!mailrus!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Die Hard... laughing, that is!
Message-ID: <RsHBH1w161w@w8grt.fidonet.org>
Date: 8 Apr 90 16:18:02 GMT
References: <7361@lynx.UUCP>
Organization: QRV de W8GRT
Lines: 32
Posted: Sun Apr 8 17:18:02 1990

neal@lynx.uucp (Neal Woodall) writes:

> MCL9337@TAMVENUS.BITNET writes:
>
> >One day last year "me 'n' the boys" (the other guys in the Texas A&M Amateur Radio Club - W5AC) watched Die Hard on video and could not keep ourselves from laughing at this.
>
> >The thing we couldn't get over was their blatant abuse of radio operation procedure. For instance, the ability to interrupt someone while he is talking on another radio. Full-duplex HTs??? Right.
>
> >As I said before, though, I'm sure for all Americans that have never touched or used a radio it works. We just have to laugh and enjoy the inside joke ourselves.
>
> Now you begin to understand how gun owners and other gun-knowledgeable people feel when people who know nothing about guns (except what they get from movie and TV) say things like, "All semi-autos should be banned because they can shoot over 600 rounds in a minute without reloading", or "semi-auto assault rifles are evil."
>
> The only difference is that we gun owners must face these ignorant people

> because of the open hostility towards guns that is being whipped up by the
> media. It is lucky for you ham radio operators that you are not facing
> organized forces which exist for the sole purpose of banning your radios...
> at least not yet.

What blithering lunacy!! Ham radios don't kill children playing in their
schoolyard!!! If you don't see any difference between guns that kill and
radios that don't, then you yourself are part of the proof that guns MUST
be banned as soon as possible.

From -1237389752772742214
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,26169b11676a0ddf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-08 19:16:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!mailrus!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Die Hard... laughing, that is!
Message-ID: <0wHBH2w161w@w8grt.fidonet.org>
Date: 8 Apr 90 16:20:44 GMT
References: <10888@portia.Stanford.EDU>
Organization: QRV de W8GRT
Lines: 17
Posted: Sun Apr 8 17:20:44 1990

mdbomber@portia.Stanford.EDU (Matt Bartley) writes:

> In article <9004060731.AA03257@ucbvax.Berkeley.EDU> MCL9337@TAMVENUS.BITNET w
> >One day last year "me 'n' the boys" (the other guys in the Texas A&M
> >Amateur Radio Club - W5AC) watched Die Hard on video and could not keep
> >ourselves from laughing at this.
> >
> >In answer to your question about his knowing the police frequencies, he
> >didn't have to. Quite insultingly, the Kenwood radios used were supposedly
> >(ACK!) CBs!!! Early in the show, he gets on the roof of the building and
> >says "Channel 9" something or other... don't ask me why we are supposed to
> >swallow the idea that the police use CB radios, but I guess it works for the
> >uninformed public. Hey, they used them on the Dukes of Hazzard!

Since when is there only one Channel 9? Public service agencies with more
than one channel available commonly use their own channel designators for
tactical reference.

From -6660032877266245613
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f570058bfbe30d94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-08 19:16:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!umich!

mailrus!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Where am I?
Message-ID: <J8HBH3w161w@w8grt.fidonet.org>
Date: 8 Apr 90 16:26:54 GMT
References: <35760@cci632.UUCP>
Organization: QRV de W8GRT
Lines: 21
Posted: Sun Apr 8 17:26:54 1990

dvh@cci632.UUCP (David Hallidy) writes:

> In article <B48374BECDFFA01CC6@uwplatt.edu>, UCSBPM@UWPLATT.EDU ("Brian P. Mc
> > I am making QSL cards and am trying to find out what grid square
> > my home QTH is in. The city (village) is Sister Bay, WI
>
> Brian-
> I hope this helps. The QST article which describes how to determine
> in which Grid Square you reside, was titled "VHF/UHF Century Club
> Awards" by John Lindholm, W1XX and was published in the January, 1983
> issue on pages 49-51.
>
> By the way, there may be others interested in determining their grid
> locator, and I had to spend a fair amount of time looking through
 QST
> indices to find the article, so I thought I'd post this to help their
> search, as well.

Several years ago someone uploaded to CompuServe's HamNet a program
GRID.BAS that Tom Clark, W3IWI, wrote to not only generate maidenhead grid
coordinates from latitude and longitude but also calculates range and
azimuth betwen two locations. It was still there the last time I looked.

From -2572885580165078965
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9bd5044277ff9b2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-08 22:33:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
cs.utexas.edu!mailrus!purdue!decwrl!fernwood!portal!cup.portal.com!phorgan
From: phorgan@cup.portal.com (Patrick John Horgan)
Newsgroups: rec.ham-radio
Subject: Trying to say Hi to an old friend
Message-ID: <28721@cup.portal.com>
Date: 8 Apr 90 21:00:01 GMT
References: <1990Apr7.192144.22564@athena.mit.edu>
Organization: The Portal System (TM)
Lines: 4
Posted: Sun Apr 8 22:00:01 1990

If any ham operators run into n5ahd from Corpus Christ, Texas (probably on packet), say hi from Patrick Horgan please:)

Patrick Horgan   phorgan@cup.portal.com

From 3904682253552689355
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d7fb38f383e76b19,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-08 22:46:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!texbell!bellcore!ka9q.bellcore.com!karn
From: karn@ka9q.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Shuttle audio
Message-ID: <21894@bellcore.bellcore.com>
Date: 8 Apr 90 21:02:30 GMT
Sender: news@bellcore.bellcore.com
Reply-To: karn@ka9q.bellcore.com (Phil Karn)
Organization: Secular Humanists for No-Code
Lines: 49
Posted: Sun Apr 8 22:02:30 1990

Posted: Sun, Apr 8, 1990   3:49 PM GMT   Msg: LGJA-4222-2312
From: DCOWDIN
To: ANS
CC: NCS, AMSAT, IS, W1AW
Subj: SHUTTLE AUDIO REBROADCAST INFO

SB ALL @ AMSAT $ANS-098.01
SHUTTLE AUDIO REBROADCAST

HR AMSAT NEWS SERVICE BULLETIN 098.01 FROM AMSAT HQ
SILVER SPRING, MD APRIL 8, 1990
TO ALL RADIO AMATEURS BT

WA3NAN TO RE-BROADCAST HUBBLE TELESCOPE DEPLOYEMENT STARTING 4/10/90

On Tuesday, April 10, 1990 at 8:47 Eastern Daylight Time (EDT) the Shuttle Discovery will lift off carrying the most complicated un-manned spacecraft ever launched. The Hubble Space Telescope will lofted to an orbital altitude of 400 statute miles and will be deployed with a 28.5 degree orbital inclination. Radio amateurs will have an opportunity to hear all the excitement "live" from NASA thanks to the hams at the Goddard Amateur Radio Club (GSFC ARC) and the other NASA affiliated radio clubs, eg., W5RRR at JSC, W6VIO at JPL. The following frequencies will be used to re-broadcast the live audio during the six day mission:

3860   KHz
7185   KHz
14.295 MHz
21.395 MHz
28.650 MHz.

The Shuttle audio re-broadcast will start about ONE HOUR BEFORE LAUNCH and will only be in operation when the astronauts are awake. The astronauts work day will commence at around 3:00 A.M. EDT and they will turn in around 7:00 P.M. EDT. The Hubble Telescope will be deployed at 7:30 A.M EDT on Wednesday April 11, 1990. Amateurs and space enthusiasts might particularly want to listen during that time because it will be a period filled with a lot of activity. For those who wish to track the Shuttle for the purposes of visual contacts, Frank Bauer (KA3HDO), President of the Goddard Space Flight Center Amateur Radio Club (WA3NAN) says that every hour the orbital elements will be read by the GSFC club members who will be operating the station. AMSAT encourages all radio amateurs to listen to the live audio from the Shuttle during this history making flight.

[For those who would like to download more information about this Shuttle Mission, all are invited to check into the NASA sponored SPACELINK BBS at (205) 895-0028. The phone number of the GSFC ARC hamshack is (301) 286-6673]

/EX

From -6673002351151708949
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b3b37fd134b53b57,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-08 23:43:57 PST
Path: gmdzi!unido!mcsun!uunet!stretch.cs.mun.ca!leif!rockwood
From: rockwood@kean.ucs.mun.ca
Newsgroups: rec.ham-radio
Subject: SSTV and the C-64
Message-ID: <76843@kean.ucs.mun.ca>
Date: 8 Apr 90 15:32:58 GMT
Organization: Memorial University. St.John's Nfld, Canada
Lines: 12
Posted: Sun Apr 8 16:32:58 1990

Can anyone help me find some info on SSTV for the Commodore 64. I have the Edwin Cox software from Viccomm from a few years back, and I have the article from Ham Radio Magazine, also a few years back. But I understand there has been some commercial software available which included formats other than the 8.5 second black and white. Also neither of the two programs I have now is totally satisfactory. The Expanded Vic-20 program which Cox did was'nt too bad, but the C-64 program was terribly lacking. Also neither of the programs I have now can toggle between receive and transmit, another drawback.
Any help would be appreciated. Please E-Mail.
Art Rockwood VO1AX

From -8374452164591843913
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ccd44d5b894f4bf,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-09 02:37:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!XEROX.COM!Wickham.SBDERX
From: Wickham.SBDERX@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Litz wire again and how to solder it.
Message-ID: <900409-023757-5275@Xerox>
Date: 9 Apr 90 09:37:53 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Reply-To: Wickham.SBDERX@Xerox.COM
Organization: The Internet
Lines: 32
Posted: Mon Apr 9 10:37:53 1990

I spotted this whilst reading through the November 1985 RSGB Mag "Radio Communication"

Printed in Technical Topics, provided by G.H.Lucas G3TWE.

"Fill a small container with methylated spirits(a bottle cap is ideal) and light it. Place the end one inch or so in the flame to burn off the insulation., remove it and blow the burning insulation out. Next replace the wire in the flame and heat until the wire is red hot, then quench the wire rapidly by immersing it in the unburnt spirits, and remove quickly. The result is clean multi-strands of wire that may be twisted together, tinned and soldered in the conventional manner."

The term "Litz" was derived from the German Litzendraht (Litz - strand, draht - wire) and is correctly applied to conductors which are built up by successive stranding of wires or groups of wires in groups of three, each individual wire being insulated with enamel or silk, although often applied also to what are more correctly termed 'textile-covered bunched enamelled-copper wire conductors'. Litz wires were developed for use in which skin effect becomes significant."

There is a little more but that should be enough on the subject.
Please note I am not the expert - just repeating what was printed.

Regards,
Richard

g4jqb.sbderx@Xerox.com

From 9188507739565627482
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d249ea0f5d095d9e,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-04-09 04:39:26 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!DGC.MCEO.DG.COM!Pete_Simpson
From: Pete_Simpson@DGC.MCEO.DG.COM
Newsgroups: rec.ham-radio
Subject: Lo-Jack
Message-ID: <9004091239.AA00049@adam.DG.COM>
Date: 9 Apr 90 11:39:26 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Reply-To: <PZS@MERCURY.MCEO.DG.COM>
Organization: The Internet
Lines: 19
Posted: Mon Apr 9 12:39:26 1990

CEO summary:

This system has been in operation for a couple of years here in Mass. One of my friends had it installed in his car. The way it works is that *you must first report your car stolen*. The police then enter the registration number into their stolen car computer system & the Lo-Jack people are linked into this system. They check to see if the VIN matches any of the ones they've installed transmitters in. If so, they start trying to activate the "transponder" in your car. There's a nationally allocated frequency for this (173.075 I think, I have it at home). If you listen to this frequency, you can hear something that sounds like packet...that's their activation signal.

My friend was listening to his scanner one night and heard the local cops chasing a beaconing Lo-Jack equipped car. They found it and the thieves abandoned it and got away. The cops saw the thieves leaving the car!

Several drawbacks: (1) Nothing happens until you notice your car's gone. (2) Smart crooks leave the cars to cool off for a day or two before picking them up again. (3) You need a cop who knows how to DF.

From -5266189957473099606
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7ad25a90cc649b35,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-09 05:21:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: Re: Alf a Ham?
Message-ID: <9004091229.AA27462@ti.com>
Date: 9 Apr 90 12:21:54 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18
Posted: Mon Apr 9 13:21:54 1990

I did not see the episode in question as it aired, but caught it on my

VCR. I watched it, then rewound it and checked the pattern he was sending.

He was sending on an MFJ-557 (like I use in my code classes!) and he definitely sent a W6 callsign. I could not tell the last two letters because they were run together. The last two letters were either SC or VR... I forget the first letter of the call I wrote down. When I looked in the callbook there was only one of the two calls listed.

The hand that was sending, I would say, definitely knew what it was doing.

Interesting.

--Bob West WA8YCD
  Dallas Texas
  RLWEST@FLOPN2.CSC.TI.COM

```
From 2517216546867851874
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db1ba34c60fb062b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-09 05:30:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!XEROX.COM!"hugh_davies.WGC1RX"
From: "hugh_davies.WGC1RX"@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Maidenhead Locators.
Message-ID: <900409-053203-5445@Xerox>
Date: 9 Apr 90 12:30:41 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 30
Posted: Mon Apr  9 13:30:41 1990
```

In INFO-HAMS V90 #371,
zaphod.mps.ohio-state.edu!usc!pollux.usc.edu!kjh@tut.cis.ohio-state.edu
(Kenneth J. Hendrickson), says;

<...Somebody asked about the Maidenhead Grid Square Locater System. Here are the details of how this system works. This system is in widespread use in North America on VHF/UHF/SHF/EHF. I believe that it is also catching on in Europe...>

Har, har, har!!!

Kenneth, it was *invented* in Europe. We have had a European wide locator system for some years. It was called the "QRA locator" system. It suffered from a number of shortcomings, in that it couldn't be extended world-wide, and it was difficult to calculate distances between stations using it. The Maidenhead system was design to supplant the QRA system, whilst providing some upwards compatibility - the Maidenhead squares correspond with the old

QRA squares directly.

<...On higher
bands, (or maybe for other reasons), you might want to identify your
location more accurately...>

Like VHF contests using radial-ring scoring.

73,

Hugh Davies, G0CNR.
(IO91US. 71 squares in 16 countries on 144MHz)

```
From -557153692219548684
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6dfe1d3ac47e2fe6
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 1044e7,f8e010b42c0c1178,start
X-Google-Attributes: gid1044e7,public
X-Google-ArrivalTime: 1990-04-09 06:27:44 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!swrinde!ucsd!
ogicse!emory!emcard!wa4mei!rsj
From: rsj@wa4mei.UUCP (Randy Jarrett WA4MEI)
Newsgroups: rec.ham-radio,talk.politics.guns
Subject: Re: Die Hard... laughing, that is!
Message-ID: <248@wa4mei.UUCP>
Date: 9 Apr 90 00:27:32 GMT
References: <7361@lynx.UUCP> <RsHBH1w161w@w8grt.fidonet.org>
Reply-To: rsj@wa4mei.UUCP (Randy Jarrett WA4MEI)
Followup-To: talk.politics.guns
Organization: Amateur Radio Gateway WA4MEI, Chamblee, GA
Lines: 66
Xref: gmdzi rec.ham-radio:10745 talk.politics.guns:290
Posted: Mon Apr  9 01:27:32 1990
```

jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

>neal@lynx.uucp (Neal Woodall) writes:

```
>> MCL9337@TAMVENUS.BITNET writes:
>>
>> >One day last year "me 'n' the boys" ( the other guys in the Texas A&M
>> >Amateur Radio Club - W5AC ) watched Die Hard on video and could not keep
>> >ourselves from laughing at this.
>>
>> >The thing we couldn't get over was their blatant abuse of radio operation
>> >procedure.  For instance, the ability to interrupt someone while he is
>> >talking on another radio.  Full-duplex HTs???  Right.
>>
>> >As I said before, though, I'm sure for all Americans that have never touched
```

>> >or used a radio it works. We just have to laugh and enjoy the inside
>> >joke ourselves.
>>
>> Now you begin to understand how gun owners and other gun-knowledgeable people
>> feel when people who know nothing about guns (except what they get from movie
>> and TV) say things like, "All semi-autos should be banned because they can
>> shoot over 600 rounds in a minute without reloading", or "semi-auto assualt
>> rifles are evil."
>>
>> The only difference is that we gun owners must face these ignorant people
>> because of the open hostility towards guns that is being whipped up by the
>> media. It is lucky for you ham radio operators that you are not facing
>> organized forces which exist for the sole purpose of banning your radios...
>> at least not yet.
>
>What blithering lunacy!! Ham radios don't kill children playing in their
>schoolyard!!! If you don't see any difference between guns that kill and
>radios that don't, then you yourself are part of the proof that guns MUST
>be banned as soon as possible.

But ham radio operators are facing organized forces which are probably more powerful than the anti-gun forces. These are the commerical groups that covet our frequencies. They are better financed and work quietly in the background (underground,under-table ??) and usually by the time we find out what is going on it is too late to do much about it.

I also feel that you took the comments made by Neal wrong. My reading of his comments were about the way that media handled the subject (radio) as opposed to the way they handle the subject of guns. On last nights Connie Chung program they covered the subject of guns in movies. Included in this discussion were quotes such as ".. if guns were once props in moves, they now enjoy star status themselves" and ".. box office power often comes out of the barrel of a gun." by Paula Zahn, Connies replacement this week. Could you imagine it if things were turned around and movies started showing ham radios being used by criminals and the media picked this and started publishing articles about how a small number of "hobbieists" are tying up "Millions" of dollars worth of commerical frequencies.

And also in reply to your comments about "blithering lunacy", guns don't kill children playing in schoolyards it is usually lunatics that are imitating what they see in the movies or on tv.

I think that any further discussions along these lines should be moved to talk.politics.guns.

--
Randy Jarrett WA4MEI
UUCP ...!gatech!wa4mei!rsj | US SNAIL: P.O. Box 941217
PHONE +1 404 493 9017 | Atlanta, GA 30341-0217

From -2888252151529727038

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f6623d7c53dca68e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-09 11:21:28 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!att!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Repeater on Space Station Freedom
Keywords: Space Station, Freedom, Radio, Amateur
Message-ID: <862@tsdiag.ccur.com>
Date: 9 Apr 90 18:21:28 GMT
Organization: CONCURRENT,ENG. SERVICES,OCEANPORT NJ
Lines: 16
Posted: Mon Apr 9 19:21:28 1990

Has anyone petitioned NASA to have the first Amateur repeater on Space Station Freedom? I'd love to have my call broadcast for all those extra-terrestrials to hear :-). Seriously, it'd be a great PR thing, and pretty nifty to show school kids, as well as being useful to us Amateur types. You could have all sorts of nifty packet stuff, experimental beacons, ATV, FM voice, etc. Imagine an all-mode radio station a la w1aw floating around up there. I'm sure NASA wouldn't mind an extra EVA or two to put up new antennas or adjust the linears :-) (Hehhhhhhllo.) It could even be attached to the outside of the station via a large mag-mount, so that it could be moved for station expansion or easy repair. Please post or E-mail you comments.

```
--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

From -636032050689984567
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f083d4acde49e477
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-09 13:16:21 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!snorkelwacker!bloom-beacon!bu.edu!lectroid!jjmhome!cpoint!frog!john
From: john@frog.UUCP (John Woods)
Newsgroups: rec.ham-radio
Subject: Re: beginner projects for radio amateurs
Keywords: simple rcvrs & transmitters; where to get parts
Message-ID: <13693@frog.UUCP>
Date: 9 Apr 90 08:38:00 GMT
References: <7784@b11.ingr.com>
Organization: Misanthropes-R-Us
Lines: 174
Posted: Mon Apr 9 09:38:00 1990

In article <7784@b11.ingr.com>, bill@b11.ingr.com (Bill Welch) writes:
> I am fairly new to amateur radio (licensed last november), and am

> interested in building some simple "rigs". My main purpose is to
> gain some practical experience in working with transistors, analog
> circuits, and radio circuits in particular.
> I would like to hear from any of you that have similar interests,
> (especially you elmers out there :-).

I am currently working on putting together a transmitter and receiver for the brand-new 18Mc band; the transmitter is the 6W VXO-Controlled Transmitter in the 19XX Radio Amateur's Handbook (an invaluable reference which I didn't see on your list). The receiver will be a cobbled-together design based on the NE-602 RF-amp/mixer/oscillator chip. If you're interested (and if I make it work...) I can send you the design.

> I would also like to hear recommendations about books, magazines, etc.
> Also recommendations on mail-order part supply houses, as I am not close
> to any large metro areas. For example, a couple of the projects call
> for an audio transformer (10k to 2k), and I haven't had any luck finding
> it locally.

Someone else has started a thread on the topic of mail order houses on sci.electronics/rec.ham-radio, so perhaps they will have a more complete list. Here are the places I use:

(New parts)
Digikey
P.O.Box 677
Thief River Falls, MN 56701-9988
1-800-DIGI-KEY
No minimum, $3 shipping for under $25, discounts for over $100, weak on radio specific parts.

Circuit Specialists
P.O. Box 3047
Scottsdale AZ 85271-3047
1-800-528-1417
Minimum $15 (except none for check or money order), $3 shipping, fairly good selection of radio parts.

Amidon Associates
12033 Otsego Street
North Hollywood CA 91607
All those damned, mysterious T37-6 cores specified in construction articles which semi-baffle us "old farts" (even us young OFs) who want to see uH and n linear inches of m-inch coils?[1] Amidon (and others) makes them. Prices from Amidon are a little higher than what one can find elsewhere, but they ship VERY fast -- I've gotten orders back in a week, and that's very nice.

Mouser Electronics	Mouser Electronics	Mouser Electronics
1433 Woodside Avenue	2401 Highway 287 North	12 Emery Avenue
Santee CA 92071	Mansfield TX 76063	Randolph NJ 07869
-->	1-800-34-MOUSER	<--

$20 minimum (add $5 if under); shipping charges according to shipping method ("check or money order: add 10% -- credit or refund will be issued for any over-amount"); wide selection. They also ship quickly, but I've found them to be prone to discovering the need to back-order something between the phone call and the shipment...

Jameco Electronics
1355 Shoreway Road
Belmont CA 94002
(415) 592-8097
$25 minimum; shipping charges vary. Mostly they sell computer parts; they still carry a number of analog ICs and the usual resistors, capacitors, etc. Maybe if enough people try to buy analog stuff from them they'll abandon this digital fad and get back to real electronics. ;-) I've heard some people complain about their service, but I've had reasonably good luck (they goofed one order a bit, but sent the correct item promptly).

MCM Electronics
650 Congress Park Drive
Centerville OH 45459-4072
1-800-543-4330
$20 minimum ($25 charge); shipping varies, plus at least $2 handling. They cater mostly to repair technicians, so they don't have a lot of stuff you might expect to find, but they do have a lot of stuff you might not find anywhere else. Their salespeople have also been extremely helpful and friendly.

Crystek Corporation
2351/2371 Crystal Drive
P.O.Box 06135
Fort Myers, Florida 33906-9963
1-800-237-3061
$10 minimum for charges, shipping varies (and isn't heinous). They seem to be the least expensive crystal manufacturer. Crystals are like $6-$9 depending on frequency, form factor, and tolerance.[2]

JAN Crystals
2341 Crystal Drive
P.O.Box 06017
Fort Myers, Florida 33906-6017
1-800-JAN-XTAL
Almost identical to Crystek (including the address). Just a tad more expensive. The catalog I have shows more pre-made crystals for various commercial rigs (including some 2-meter transceivers), plus they have a "special" on amateur crystals in FT-243 holders (which actually is the same price as their regular cases for similar tolerance); Crystek didn't seem to have FT-243 holders available (but I don't have their full catalog, and won't for a while, since they said they've run out for now...).

Radiokit
[alas, I can't find their catalog.]
Pelham NH
Radiokit has a number of kits (gee!), and some selection of parts, including a wide variety of VARIABLE CAPACITORS (which I've found to be as rare as hen's teeth. Now I know that good ones are as expensive, too...).

(Favorite surplus outfits)
Marlin P. Jones & Assoc.
P. O. Box 12685
Lake Park FL 33403-0685
(407)846-8236
No minimum (add $1 under $10), shipping like $2 plus UPS. Lots of electronics stuff, random other things (pressure gages, lenses, freon tank conversion kit, motors, etc.).

All Electronics Corp.
P. O. Box 567
Van Nuys CA 90408
1-800-826-5432
$10 minimum, $3.50 S&H. They lie; magnets aren't electronics. Other than that, they're a great place to deal with.

R&D Electronics
1224 Prospect Ave.
Cleveland OH 44115
1-800-642-1123 (tuesday through saturday)
$10 minimum (unless you're a school with a purchase order, in which case it's $25), S&H per UPS. Lots of motors, also a lot of electronics stuff. Seems like a more random collection than MPJ and All-Elect. above.

Hosfelt Electronics
2700 Sunset Boulevard
Steubenville OH 43952
1-800-524-6464
No minimum; $3.75 S&H under $101, $4.75 under $251, free above that. I think they're surplus; their catalog has that "random grab-bag" look, but they have a very well-stocked grab bag.

Surplus Sales of Nebraska
1315 Jones Street
Omaha Nebraska 68102
(402)346-4750
No minimum; at the moment, no catalog, for they are still preparing their next catalog, and have run out of their previous, so all I have is "Supplement 5A" from which I've used the order form... They say they have a wide selection of hard to find parts, and the index I have lists air-variable capacitors (which I've found hard to find) and B&W coil stock (oh boy! see [1] ;-). They also have bus seats available (get 'em while they're hot![3]).

Well, that's it for the sheaf of catalogs I grabbed. If I missed any really good ones, I'll post another article (or if someone announces that they are collecting this kind of info, I'll mail it to them).

Very 73, John Woods   WB7EEL

[1] When I was starting out in ham radio, I was sort of puzzled by toroids, since I didn't know where to get them, and it also seemed kind of annoying to have to stock a zillion different types in order to be able to cobble up random projects. Now, at least, I know where to get them, and have stocked

a dozen or so different types -- that still seems annoying, but less so once I sat down and tallied which types were used in, say, the 1988 Handbook...

[2] Crystals were another thing that I found intimidating when starting out. Don't worry, the folks at Crystek were certainly friendly, and I'm sure JAN is just as nice. Crystals are a bit expensive if you need more than a few, so don't plan on covering all of 10m with crystals spaced 1Kc apart...

[3] They bought a school bus for travelling to hamfests, and didn't need all the seats. So, with a big grin, they put the spare seats into the catalog.

--
John Woods, Charles River Data Systems, Framingham MA, (508) 626-1101
...!decvax!frog!john, john@frog.UUCP, ...!mit-eddie!jfw, jfw@eddie.mit.edu

From -3837288228998282036
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6dfe1d3ac47e2fe6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-09 13:17:15 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!xanth!ames!ncar!asuvax!hrc!xroads!coffin
From: coffin@xroads.UUCP (Chris Coffin)
Newsgroups: rec.ham-radio
Subject: Re^2: Die Hard... laughing, that is!
Message-ID: <1040@xroads.UUCP>
Date: 9 Apr 90 00:31:15 GMT
References: <7361@lynx.UUCP> <RsHBH1w161w@w8grt.fidonet.org>
Followup-To: talk.politics.guns
Organization: Crossroads, Phoenix, Az
Lines: 38
Posted: Mon Apr 9 01:31:15 1990

jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

>neal@lynx.uucp (Neal Woodall) writes:

>>
>> The only difference is that we gun owners must face these ignorant people
>> because of the open hostility towards guns that is being whipped up by the
>> media. It is lucky for you ham radio operators that you are not facing
>> organized forces which exist for the sole purpose of banning your radios...
>> at least not yet.
>
>What blithering lunacy!! Ham radios don't kill children playing in their
>schoolyard!!! If you don't see any difference between guns that kill and
>radios that don't, then you yourself are part of the proof that guns MUST
>be banned as soon as possible.

I cannot let Mr. Grubs blithering lunacy go here. Banning guns will not (and has not) solved ANYTHING. It has (witness Washington D. C. , murder capitol of the U. S., where guns ARE banned. There was a specific purpose for including the 2nd amendment in the Bill of Rights (the right to keep and bear arms), and that prupose is even more valid today than ever. (hint: it's not for "sporting purposes")

Agreed, Patrick Purdy deserves the maximum punishment, and his name is pornography in our household, but banning guns is NOT the answer.

BTW, there ARE organized groups dedicated to banning ham radio. Witness the zoning restrictions in Colorado and "Deed restrictions" recently discussed here.

Followups to talk.politics.guns please.

```
--
\  /  C r o s s r o a d s  C o m m u n i c a t i o n s
 /\   (602) 941-2005 300|1200 Baud 24 hrs/day
/  \  hplabs!hp-sdd!crash!xroads!coffin
```

From 7569490500696116215
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6dfe1d3ac47e2fe6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-09 16:27:03 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!apple!rutgers!galaxy.rutgers.edu!argus!ken
From: ken@argus.UUCP (Kenneth Ng)
Newsgroups: rec.ham-radio
Subject: Re: Die Hard... laughing, that is!
Message-ID: <1718@argus.UUCP>
Date: 9 Apr 90 16:41:24 GMT
References: <7361@lynx.UUCP> <RsHBH1w161w@w8grt.fidonet.org>
Organization: NJ Instit. of Tech: TEIES Project
Lines: 10
Posted: Mon Apr 9 17:41:24 1990

In article <RsHBH1w161w@w8grt.fidonet.org>, jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:
: What blithering lunacy!! Ham radios don't kill children playing in their
: schoolyard!!! If you don't see any difference between guns that kill and
: radios that don't, then you yourself are part of the proof that guns MUST
: be banned as soon as possible.

Sure they can, drop a heavy rig out the window on their heads, wire up the B+ voltages to their hearts, or strangle them with antenna wire. I don't think there is anything in the world that couldn't be misused to kill someone given inclination.

From -3306128189850406139
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f3a4989863d0cb74,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-09 18:15:02 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!sun-barr!newstop!sun!tenorman!jneher
From: jneher@tenorman.Sun.COM (Jonathan Neher X62863)
Newsgroups: rec.ham-radio
Subject: Wanted: Uniden HR2600 Mods
Message-ID: <134172@sun.Eng.Sun.COM>
Date: 9 Apr 90 17:55:59 GMT
Sender: news@sun.Eng.Sun.COM
Lines: 16
Posted: Mon Apr 9 18:55:59 1990

Hello,

I recently purchased a Uniden HR2600 mobile 10 meter
rig and am very happy with it. I've heard that it
is not to hard to boost it's power output by replacing
the final transistors and adjusting the ALC.
Does anyone have the particulars of these mod's?
Also, if there is any way of extending the receive range,
I'd be interested in that too.

Thanks in advance,

Jonathan Neher
N6XUI
N6XUI@mpbbs
sun!jneher

From -5083131688591428298
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14eb6ecc3722d055,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-09 18:16:18 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!ux1.cso.uiuc.edu!iuvax!purdue!haven!decuac!shlump.nac.dec.com!carafe!goldstein
From: goldstein@carafe.enet.dec.com (Fred R. Goldstein)
Newsgroups: rec.ham-radio
Subject: Re: Loading of Telephone Channels by Voice or Data
Message-ID: <10124@shlump.nac.dec.com>
Date: 9 Apr 90 16:34:15 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 37
Posted: Mon Apr 9 17:34:15 1990

In article <11965@cadnetix.COM>, rusty@cadnetix.COM (Rusty Carruth) writes...
>In article <12577606692.12.DEFRANCO@TOPS20.RADC.AF.MIL> DEFRANCO@TOPS20.RADC.AF.MIL (Carl DeFranco) writes:

>>Ironically, it is the true digital channels that can be multiplexed into
>>higher level datastreams to provide greater capacity per channel. While
>>one voice circuit requires the full 64 kbps, up to 6 9600 bps channels could
>>be multiplexed into the same data space.
>>Carl DeFranco
>>KB2JLY
>And, be fully prepared to pay MORE for a service which costs the telco LESS to
>supply than it does for them to supply voice lines for the modems. ---

C'mon gang, let's quit discussing the alleged merits of this chain letter!

The FCC NEVER proposed a modem tax. They did once upon a time, years ago, discuss a charge scheme that would have classified some services as equivalent to long distance carriers. Some of those services were modem based, some voice. The whole plan was killed, then a stake was put through its heart, then it was cremated and buried under Cthulhu's crypt.

Southwestern Bell, in an entirely different matter (see alt.cosuard, I guess), decided that home dial-up BBSs were "business" users and thus had to pay business line rates; that's being fought. But it too has nothing to do with the way lines are muxed. BTW, the telco can't split one voice channel into 6 9600's on a dial-up basis; they don't know what your modem's doing, and have no right to intercede unless you ask them to! A dial-up call today is a 3.1 kHz audio path. ISDN's a different story; a path will be 64 kbps, OR 3.1 kHz audio, depending on what you ask for.
        fred k1io

Fred R. Goldstein   goldstein@carafe.enet.dec.com
                 or goldstein@delni.enet.dec.com
                    voice: +1 508 486 7388

From 8468039450751778201
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ff4349ae4aa551b6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-09 18:30:44 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!elroy.jpl.nasa.gov!ames!skipper!disbrow
From: disbrow@skipper.dfrf.nasa.gov (Jim Disbrow)
Newsgroups: rec.ham-radio
Subject: Antenna mounting question
Keywords: Antenna
Message-ID: <482@skipper.dfrf.nasa.gov>
Date: 9 Apr 90 17:34:25 GMT
Organization: NASA Ames-Dryden FRF, Edwards, CA
Lines: 31
Posted: Mon Apr 9 18:34:25 1990

Hi, I'm studying for my novice and I have a question maybe some of you could answer.

I have a hand-me-down 18-ATV Hy-Gain vertical antenna (10-80 meters)
about 25' long. I'm thinking of mounting it on top of the house
to a vent pipe. There seem to be plenty of vent pipe mouning kits,
but I think they're really designed for a shorter TV antenna.
I'd really like to guy this thing higher than the base but some
of my OF friends say I shouldn't use anything conductive except
on the radials.

I was thinking of using a high test fishing line, but the
people at the fishing stores say this stuff stretches too much
because its monofilament.

I live in a high wind area where 70 knot gusts are not uncommon. I
really don't want that kind of torque on the vent pipe.

So how do you guy those verticals at a point other than the base?
Also, is it OK to use 22 guage wire for the radials?

Thanx,
Jim

-=-
"I'm only in this because I need plenty of money.
 Without money I become dull, listless, and
 have trouble with my complexion."

Humphrey Bogart in 'Beat the Devil'
-=-

From 8848396971304890605
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d7bc69b3cc757dd3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-09 20:47:06 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!mit-eddie!bu.edu!mirror!necntc!necis!rbono
From: rbono@necis.UUCP (Rich Bono)
Newsgroups: rec.ham-radio
Subject: Need Info for Microwave Modules Transverters
Keywords: Microwave Modules, Transverter, Help, Info
Message-ID: <1226@necis.UUCP>
Date: 9 Apr 90 16:59:48 GMT
Organization: NEC Technologies, Inc., Boxborough, MA
Lines: 37
Posted: Mon Apr 9 17:59:48 1990

.
.
.

Can ANYONE help me??? A friend of mine and I own a Microwave Modules transverter... one is the 432 version, the other is the 144 version.

We bought these at a flea market without any manuals or schematics.

I have been able to get a partial copy of the manual for the 432 version, but it does not seem to match the unit that I have exactly. The manual references a single "input level" pot, and a jumper post pair that can be used to adjust for the input drive level of 1 to 500 mw. My unit has TWO (or appears to) potentiometers that seem to affect the output level and there is no jumper post pair to be found on the board.

The 144 version does seem to have a single pot and the jumper post pair that is mentioned in the manual that I have for the 432 unit...

Does anyone have a manual AND SCHEMATICS for these units???

If so, I would be interested in obtaining a copy of each....

Also... if anyone has one of these units for SALE (for any band)... please let me know, as we may be interested in obtaining more units.

Thank you,

Rich (NM1D)

```
--
 /***************************************************************************\
 * Rich Bono (NM1D)    If I could only 'C' forever!!    rbono@necis.nec.com *
 * (508) 635-6300          NEC Technologies Inc.               NM1D@WB1DSW *
 \***************************************************************************/
```

From 6922771874760567348
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-09 22:02:08 PST
Path: gmdzi!unido!mcsun!uunet!ncrlnk!ncrwic!encad!ensub!msjohnso
From: msjohnso@ensub.Wichita.NCR.COM (Mark Johnson)
Newsgroups: rec.ham-radio
Subject: Re: CW: Where do you stand?
Message-ID: <305@ensub.Wichita.NCR.COM>
Date: 9 Apr 90 20:24:38 GMT
References: <9003051529.AA05504@pelham.med.unc.edu> <7880136@hpfcdc.HP.COM> <905@gollum.twg.com> <11595@ttidca.TTI.COM>
Reply-To: msjohnso@ensub.Wichita.NCR.COM (Mark Johnson)
Organization: NCR Corporation, Wichita, KS
Lines: 20
Posted: Mon Apr 9 21:24:38 1990
Keywords:Pro-Choice = Continued Growth

> [much about proposed changes deleted...]
>the only thing standing in the way is an ocean of people
>that insist on paying lip service to an outdated notion...the notion that
>good communication/engineering skills are rooted in CW. It just ain't so...
> Notice I said notion, not mode! I'll continue to use CW as it's appropriate
>to do so, but only for the sheer entertainment value of working weak signal
>stuff...not everyone is so easily amused! ;-)

funny thing about proposal # 4 is, given human nature, it probably would
ENHANCE the lifetime of CW as a widely used mode, for exactly the reason
you state...entertainment value. I enjoy CW, was pretty good at it when I
used it regularly, but have to agree it isn't relevant. Besides, boring
conversations about the rig, the signal report, and so on can take place
in any language and using any mode. Only 1/2 :-) here; this I view as one
of the reasons for the decline of the hobby.

--
Mark Johnson   WB9QLR/0   NCR Peripheral Products Division, Wichita KS
Mark.Johnson@Wichita.NCR.COM   Opinions expressed here are the author's.
CIS 76670,1775

From -6944737305575795967
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32e567444bddfbd5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-09 22:02:25 PST
Path: gmdzi!unido!mcsun!uunet!ncrlnk!ncrwic!encad!ensub!msjohnso
From: msjohnso@ensub.Wichita.NCR.COM (Mark Johnson)
Newsgroups: rec.ham-radio
Subject: Re: Amateur Radio is Enjoyable!
Message-ID: <306@ensub.Wichita.NCR.COM>
Date: 9 Apr 90 20:35:10 GMT
References: <1223@necis.UUCP> <1990Apr3.235907.6231@NCoast.ORG>
Reply-To: msjohnso@ensub.Wichita.NCR.COM (Mark Johnson)
Organization: NCR Corporation, Wichita, KS
Lines: 26
Posted: Mon Apr 9 21:35:10 1990
Keywords:

In article <1990Apr3.235907.6231@NCoast.ORG> allbery@ncoast.ORG (Brandon S.
Allbery) writes:
>My next thought was, of course, mobile. Ever try to fit a radio---ham, CB, or
>otherwise, aside from in-dashboard models---into a Ford Escort? It doesn't
>look too promising, unless there's one that will fit into the dashboard. So

I guess it depends on how badly you want to run mobile; I ran HF mobile from
a Plymouth Horizon for about 2 years...with an IC-730 which isn't exactly a
small radio. I built a wooden stand which sat over the hump in the floorpan
and held the radio up at about a 30 degree angle so I could see and reach
the controls. I still use the stand, but now in a Voyager. Only problem with
HF mobile is that if you have a voice that tends to drive the rig to full

PEP frequently, you can see the lights dim slightly on voice peaks :-(. Doesn't seem to really hurt anything, just runs the radio to its limits.

HF mobile, by the way, is great fun! 20m can be frustrating, but 15m DX right now is almost as good, sometimes even better, and 40m daytime ragchewing isn't too bad if you find the right conversation--it always seems to me that 40 in the daytime is populated by a bunch of old f*rts who've known each other for 40 years, and talk in a sequence of 5 minute monologues with about 1 second for you to get in edgewise.

Good luck with whatever setup you end up using!

```
--
Mark Johnson      WB9QLR/0      NCR Peripheral Products Division, Wichita KS
Mark.Johnson@Wichita.NCR.COM    Opinions expressed here are the author's.
CIS 76670,1775
```

From 8660200603135802430
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e5797e7aa3c8ee04
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-09 22:15:22 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcuhb!hpsqf!hpqtdla!jdg
From: jdg@hpqtdla.HP.COM (James Gentles)
Newsgroups: rec.ham-radio
Subject: Re: Maidenhead Grid Square System
Message-ID: <3430002@hpqtdla.HP.COM>
Date: 9 Apr 90 11:14:22 GMT
References: <23911@usc.edu>
Organization: HP, Queensferry Telecomms, Scotland
Lines: 133
Posted: Mon Apr 9 12:14:22 1990

If anyone's interested in this Maidenhead system and has a HP28 or HP48 handheld calculator, here are some routines that will workout the Maidenhead location from lat/long and vice-versa. Also routines to calculate great circle distances once you have the locator.

73
James

```
---------------------------------------------------------------------
      I have no professional connection with Hewlett-Packard's
    calculator operations other than as a user of their products.
---------------------------------------------------------------------
Opinions expressed are my own, and are not intended to be an official
              statement by Hewlett-Packard Company
---------------------------------------------------------------------
Name:         James Gentles   GM4WZP
Organization: Hewlett-Packard  Queensferry Telecomunications Division
Email:        jdg@hpqtdla.hpsqf.hp.com                         hp-sdd
```

Address: Station Road, South Queensferry, West Lothian, Scotland

---

QRA Locator Square Translator: The following procedures translate between the worldwide QRA (or ANB or Maidenhead, whatever its called) locator system used by Radio Amateurs.

->QRA   Takes Latitude from stack level 2, and Longitude from level 1 and returns a string with the Locator. South and West are negative. The input should be in DD.MMSS format. The input is tested to ensure that it is +-90 and +-180 respectively. For example, take QTH C->R ->QRA gives "IO85HX" for my locator.

QRA->   Takes a string from the stack level 1 and returns the Latitude in level 2 and Longitude in level 1 of the square center. This is the inverse of ->QRA. The output is in DD.MMSS. Some error trapping is done on the input, but it is not foolproof.

Great Circle Distance & Bearings: Calculates the distance between your station and the remote station, also gives beam heading required.

GCIR   Takes the output of QRA-> (Lat and Long) and uses the Lat and Long in QTH to compute the great circle distance and bearing from QTH to the stack Lat and Long. The distance is returned in Level 2, in Km. The bearing, in DD.MMSS from north (+E,-W) is returned in Level 1. This program assumes the earth is a perfect sphere (we all know this is an approximation as the earth is actually flat :-). This program uses the PRESERVE routine given in the manual to ensure degrees mode is used.

QTH   Must contain the complex number (Lat,Long) representing your stations position.

ERAD   Must contain the equatorial radius of the earth. I use:
6378.888
which is in Kilometers, thus the answer to GCIR is in Km, you can use UNITS to change this constant if you wish.

Radio Horizon: Calculates the flat-band line of sight communication distance at VHF.

HORIZ   Returns the distance between a point on the earth and the VHF radio 'horizon' given the height above sea level. The height is taken from level 1, and the distance returned in level 1, both will be in the same units as ERAD. e.g. For 914m ASL enter 0.914 to give an answer of 124.68 Km. Note this is NOT the same as the line of sight horizon, as it includes a correction of SQR(4/3) to allow for tropospheric bending.

The Procedures:

->QRA   Checksum BC9E

```
        << HMS-> 180 + SWAP HMS-> 90 + -> lo la
           << IF lo 0 < lo 360 > la 0 < la 180 > OR OR OR
              THEN la 90 - lo 180 - "Lat/Long out of range" 1 DISP
                   2 WAIT ABORT
              END
              lo 20 / IP 65 + CHR
              la 10 / IP 65 + CHR
              lo 20 / FP 10 * IP 48 + CHR
              la 10 / FP 10 * IP 48 + CHR
              lo 2 / FP 24 * IP 65 + CHR
              la  FP 24 * IP 65 + CHR
           >> + + + + +
        >>

QRA->   Checksum 9E77
        <<
           << "Not valid QRA" 1 DISP 2 WAIT 'er'
           >> STO
           DUP IF TYPE 2 <> THEN er PURGE ABORT END
           DUP IF SIZE 6 <> THEN er PURGE ABORT END
           -> q
           << 1 6 FOR i q i DUP SUB NUM 65 - NEXT
              -> a b c d e f
              << 'b*10+(d+17)+f/24+1/48-90' EVAL ->HMS
                 'a*20+(c+17)*2+e/12+1/24-180' EVAL ->HMS
              >>
           >> 'er' PURGE
        >>

GCIR   Checksum 6369
       <<
          << DEG HMS-> SWAP HMS-> QTH C->R HMS-> SWAP HMS->
             4 ROLLD ROT -
             DUP IF 180 > THEN 360 - END
             DUP IF -180 < THEN 360 + END
             IF DUP 0 == THEN .000001 + END   ! ensures we dont divide by 0
             -> lah laa dif
             << 'ACOS(SIN(lah)*SIN(laa)+COS(lah)*COS(laa)*COS(dif))' ->NUM
                DUP 180 / pi * ERAD * ->NUM SWAP -> dis
                << 'ACOS((SIN(laa)-SIN(lah)*COS(dis))/(COS(lah)*SIN(dis)))'
                   ->NUM
                >>
                IF dif 0 > THEN NEG END ->HMS ! correction for E or W of N
             >>
          >> PRESERVE ! in HP28 Operator Manual
       >>

HORIZ  Checksum 6E8B
       << ERAD * 8 * 3 / SQR
       >>


ERAD   6378.388           ! in Km
```

```
QTH    (55.5910 , -3.244) ! in DD.MMSS


Note  <> not equal to
     SQR square root
      -> right arrow
      pi symbolic constant for circumference/diameter of a circle


From 74481759261796597
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ff4349ae4aa551b6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-09 23:01:02 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: Antenna mounting question
Message-ID: <41266@iuvax.cs.indiana.edu>
Date: 10 Apr 90 01:32:13 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 25
Posted: Tue Apr 10 02:32:13 1990


>I have a hand-me-down 18-ATV Hy-Gain vertical antenna (10-80 meters)
>about 25' long.  I'm thinking of mounting it on top of the house...
>some of my OF friends say I shouldn't use anything conductive except
>on the radials.
>
>I was thinking of using a high test fishing line, but the people at
>the fishing stores say this stuff stretches too much because its
>monofilament.
>
>I live in a high wind area where 70 knot gusts are not uncommon.
>
>Thanx,  Jim

Hams report good results using plastic "Weed Eater" (tm) string for
supporting wire antennas, including 1750m transmitting antennas which
are somewhat like Tesla coils and very sensitive to insulator leakage.

The stuff is very strong, and relatively inexpensive.  I don't know
about long-term stretch.  The colored varieties are probably more
resistant to sunlight deterioration.

--

Frank Reid     W9MKV     reid@ucs.indiana.edu


From 4636520633711936292
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fb07436256ebba91,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-10 00:31:37 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Kenwood 721 Display Upgrade
Message-ID: <30500493@ux1.cso.uiuc.edu>
Date: 10 Apr 90 00:40:45 GMT
References: <145811@<1990Apr9>
Lines: 22
Nf-ID: #R:<1990Apr9:145811:ux1.cso.uiuc.edu:30500493:000:1013
Nf-From: ux1.cso.uiuc.edu!phil   Apr 9 16:44:00 1990
Posted: Tue Apr 10 01:40:45 1990

> Contact:
>   Kenwood Customer Service
>   (213) 639-7140
>
> One of those "wonderful" automated answering systems will answer. At
> some point you will be prompted for "Parts and Service". Select parts
> and service. Explain that you want the display upgrade for the
> TM-721. They accept check, money order, and major credit cards. When
> I ordered, it was $37 for the parts and $4 for shipping and handling.
> After six months of trying to read my old display during the daylight
> hours, I can hardly wait for this upgrade kit to arrive!

Hope and pray that the line is not busy. If it is, that "wonderful"
answering machine will tell you using an automated voice. The real
catch is that YOU STILL PAY FOR THE LONG DISTANCE CALL just to find
out you can't talk to anyone.

This is why I currently refuse to consider purchasing any Kenwood product.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 255821494960405566
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,90f8b9a3c47c6d4d,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,90f8b9a3c47c6d4d,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-04-10 03:45:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!apple!netcom!mcmahan
From: mcmahan@netcom.UUCP (Dave Mc Mahan)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: WEFAX Pictures
Summary: What are the standard aspect ratios?

Keywords: WEFAX, Aspect Ratios
Message-ID: <10762@netcom.UUCP>
Date: 10 Apr 90 05:28:44 GMT
Organization: NetCom- The Bay Area's Public Access Unix System
Lines: 7
Xref: gmdzi rec.ham-radio:10761 rec.radio.shortwave:940
Posted: Tue Apr 10 06:28:44 1990

I am attempting to program a Weather Fax (WEFAX) interface for the Amiga computer, but don't know what the standard aspect ratios are. If someone out there knows what the standard height/width ratios are, and how many pixels across a standard line are normal, please reply to this message via E-mail.

-dave

From -3338981516296609605
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28ee36dae271047e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-10 06:37:37 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Worthwhile non-amateur use of 902-9
Message-ID: <30500494@ux1.cso.uiuc.edu>
Date: 10 Apr 90 11:16:33 GMT
References: <21536@bellcore.bellcore.com>
Lines: 40
Nf-ID: #R:bellcore.bellcore.com:21536:ux1.cso.uiuc.edu:30500494:000:2008
Nf-From: ux1.cso.uiuc.edu!phil   Apr 10 00:59:00 1990
Posted: Tue Apr 10 12:16:33 1990

> The whole idea is that nobody has to enforce this! If you simply transmit on
> the frequencies where the wireless speakers are operating, pretty soon the
> owners of the wirless speakers are going to get upset at the interference and
> they will turn the wirless speakers off. In fact, they might get so upset at
> the interference, they will attempt to return the speakers for a refund.

What if they hear enough to identify who you are?

> Perhaps so, but the hams will be within the law, since the wireless
> speakers must accept any inteference. Just politely tell the owner of
> the wireless speakers than he should take a hike.

The ignorant member of the public is not going to notice that you are polite; he is only going to notice that you are refusing to stop with the interference (assuming he has identified you).

> Lawsuits of what kind? Civil suits on what grounds? Criminal charges....

> no way....you are within the letter of the law. Anyone foolish enough to
> file a civil suit will lose, and then you can counter sue for false and
> malicious lawsuits.

Unfortunately, you often have to front quite a large sum of money to defend
yourself even in a frivolous lawsuit that you could collect fees and costs
from when you win.

> OK, then don't broadcast to the owner of the speakers, just keep on
> boradcasting your normal stuff......he is still going to experience
> interference that will render his music unenjoyable!

If you know the interference is taking place, you better be prepared to
defend against the guys lawyer citing "INTENTIONAL interference" and saying
that since you knew the interference was taking place, despite the fact
you have a license, you have so many frequencies you could have chosen
a different one, and yet you chose to continue the interference.

(I'm playing devil's advocate here, just be prepared)

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -5970008652207772560
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc7d0cc23e89cbb1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-10 06:37:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!
ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: More parts sources
Message-ID: <9004091724.AA14086@cmr.ncsl.nist.gov>
Date: 9 Apr 90 17:24:43 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 20
Posted: Mon Apr 9 18:24:43 1990

Add to your list of parts sources.

International Crystal Manufaturing Co.
Oklahoma City.

I've always has very good luck with them. On my last $10 order they must have
spent $6 in phone calls fixing a VISA problem in my order.
Now, THAT'S service.

RF Parts

see any QST for their address.

They are a source for a wide range of RF power transistors, power amplifier modules, ferrite cores, ARCO capacitors, etc.

ABSOLUTELY NO OFFICIAL ENDORSEMENT IS GIVEN TO THESE COMPANIES.

Bob W3OTC

```
From -6267735399407193813
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,635d06d636d425da,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-10 06:38:03 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!
ucbvax!CCIW.BITNET!U009
From: U009@CCIW.BITNET
Newsgroups: rec.ham-radio
Subject: Microwave
Message-ID: <5A04090C1B2E00BC-MTACY830*U009@CCIW>
Date: 9 Apr 90 17:29:48 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 56
Posted: Mon Apr  9 18:29:48 1990
```

Something I have been wanting to write for a while... now I can get down to it.

```
......t.cis.ohio-state.edu  (Tom Hill,  WA3RMX) writes:
>
> For those interested, here is a list of all the currently assigned
> U.S. microwave Ham bands (if I am still up-to-date):
>
>               BAND                        SSB calling Freq
>
>             1240 - 1300                    1296
>             2300 - 2310 & 2390 - 2450      2304
>             3300 - 3500                    3456
>             5650 - 5925                    5760
>            10000 - 10500                  10368
>            24000 - 24250                  24192
>            47000 - 47200                  47040
>            75500 - 81000                  80640 (I hope)
>           119980 - 120020                120000
>           142000 - 149000                144000
>           241000 - 250000                245760
>           300000 - up                    whatever you can manage
```

I have a poster on the wall listing ALL the allocations (neat colors too!) for Canada published by the DOC. It shows the same allocations as you document here. However, on looking at the TRC (rules) I note that there are no amateur specifications above 24 GHz. I called a friend at the local DOC to enquire about the discrepancy and was told that since no-one had asked, there was no formal allocation. I suspect the wall chart was drawn to illustrate the ITU allocations for the region. The basic stance of the local office has been "a request for a formal interpretation means work for us, and as we are short staffed, you might not get what you think you deserve". The unspoken meaning is "do it, but if we get any complaints, we might have to make a ruling".

This was brought home after I asked for a clarification of the rules for 902-928... it seems that since I am NOT an advanced amateur, I can NOT use CW on this band, A3 and F3 only!!! So far no-one has complained about my (albeit sloppy) code on this band!

So that little anecdote aside, there is a small group (10 or so) in the {Hamilton, Toronto, Cambridge, London} Ontario area on 10 GHz FM and I am working on integrating a 200 mw SSB Electronics transverter into a rice-box all-mode mobile rig for the contest in August/September.
(Still looking for a SMA to waveguide transition too.)

Also wrt 300000 GHz and up, VE3LPP is interested in HeNe laser operations (best DX is 2Km at the moment). Great for the quick-and-dirty set up on a LOS path for the "lower" bands. (I know, I know... watch the eyes!)

Regards, Stu Beal, VE3MWM, (U009@CCIW.BITNET),
National Water Research Institute,
Burlington, Ontario, Canada.

The future lies ahead. And behind us lies, lies... lies.

From -8240118210507496660
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6dfe1d3ac47e2fe6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-10 06:44:42 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!TECNET1.JCTE.JCS.MIL!mgb
From: mgb@TECNET1.JCTE.JCS.MIL
Newsgroups: rec.ham-radio
Subject: Die Hard... laughing, that is!
Message-ID: <9004100216.AA05940@tecnet1.jcte.jcs.mil>
Date: 10 Apr 90 02:16:41 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 40
Posted: Tue Apr 10 03:16:41 1990

neal@lynx.uucp (Neal Woodall) writes:
> MCL9337@TAMVENUS.BITNET writes:
>

> The only difference is that we gun owners must face these ignorant people
> because of the open hostility towards guns that is being whipped up by the
> media. It is lucky for you ham radio operators that you are not facing
> organized forces which exist for the sole purpose of banning your radios...
> at least not yet.

ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs@iuvax.cs.indiana.edu (Jim Grubs)
repies:

What blithering lunacy!! Ham radios don't kill children playing in their schoolyard!!! If you don't see any difference between guns that kill and radios that don't, then you yourself are part of the proof that guns MUST be banned as soon as possible.

I say:

I personally just wanted to say how much I enjoy seeing such a logical and level headed response from Mr. Grubs. I had in the past believed that he tended to go off half-cocked and misread what people were trying to say with the result being a massive flame battle starting on this net over matters not related in any way to ham radio. In short, that he just liked to participate in hateful arguments.

It is nice to see that I was so totally wrong in my beliefs and that he can offer such a thoughtful and calm response to another persons point of view. I am sure all of you who read the above will agree. So let me say in public how sorry I am to have felt this way and hopefully when I meet this gent on the air I can tell him so ..... personally.

p.s. It will be hard to talk though... this tongue keeps pushing my cheek
     so hard.... maybe we can have a CW QSO.

Mark Bitterlich
WA3JPY @ WB4UOU
mgb@tecnet1.jcte.jcs.mil

```
From 639520283820861714
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fe2dbd76acb4f9e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-10 10:46:27 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Aargh! Want address/info to get Heathkit catalog
Summary: Heath Survey, Absolute Sound, "Golden Ears"
Message-ID: <638@ssc.UUCP>
Date: 10 Apr 90 04:49:05 GMT
References: <9004050713.AA04122@ucbvax.Berkeley.EDU>
Organization: very little
```

Lines: 50
Posted: Tue Apr 10 05:49:05 1990

In article <9004050713.AA04122@ucbvax.Berkeley.EDU>, wmartin@STL-06SIMA.ARMY.MIL
(Will Martin) writes:
> Re Heath:
> >Try (800) 253-0570. Visa, Mastercard, and American Express.
> >It sure looks like the beancounters have gotten to Heath. Half the stuff
> >in the catalog is only available assembled, and the retail stores (actually
> >a seperate corporation to dodge the state sales taxes) seem to be mutating into
> >Apple Computer dealerships. The local store is even closed Saturdays.
> >On the plus side, they're back in the hi-fi stereo kit buisness.
>
> is a market void right now, and that they look into the high-end audio
> market in the areas of minimalist preamps and tube power amps. In both
> cases, I emphasized that they should first publicize their plans and
> talk to experts in the field and solicit user input, doing things like
> going to the ANARC and Monitoring Times conventions to talk to SWLs
> about radios, and talking with the staffs of The Absolute Sound nd
> Stereophile about audio gear. Maybe that approach will help them avoid

Uhhhhh.....The "Absolute Sound"?? Are you SURE? These are the guys who
publish stuff about "skin effect" (at audio frequencies!) in speaker
cable and other weirdness. Anyone looking for a laugh should check out
Enid Lumley's monthly column. Recently this column claimed that folks
who want "real" high fidelity should pay attention to the routing of
power cords to the stereo system. I swear, I thought they were talking
about microwave waveguides....warnings that sharp bends in the power
cord could cause audio distortion! This magazine even suggested that
the power cord be delicately suspended so that it didn't come in contact
with any hard surfaces!
>
> As a side issue, does anyone out there know when Heath started? The
> catalog doesn't say. I expected to find some sort of advertising puffery

I think their first product was an airplane kit (not a model, a REAL
airplane that you could build in your garage!) in the early 1950s.
After that, I think their first electronic kit was an oscilloscope.

Does anyone remember their first personal computer? When I was a little
kid in Berkeley about 30 years ago the father of a friend of mine had
one. It was an analog computer, and was constructed on a big sloping
console.

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad

or, tad@ssc.UUCP

From -8755225464675488157
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dcc9c6e0727cb3df
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-10 10:46:33 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Cordless phone antennas question
Summary: 1/4 wave
Keywords: help
Message-ID: <639@ssc.UUCP>
Date: 10 Apr 90 05:20:00 GMT
References: <2640@ultb.isc.rit.edu>
Organization: very little
Lines: 46
Posted: Tue Apr 10 06:20:00 1990

In article <2640@ultb.isc.rit.edu>, wlw2286@ultb.isc.rit.edu (W.L. Ware) writes:

> I am interested in installing cordless phone antennas or the right length of wire in all the rooms of my house, so that I would get good coverage from room to room, and wouldn't have to put a phone in each room.
>
> Does anyone have any good suggestions about how to go about doing this? Like the best antenna length and how to connect them all up to the receiver?

Even in a large home, an unmodified cordless phone should work just fine. Since there are many cordless phones that boast "1500 foot range", I doubt if you would need a special antenna just for walking around the house.

I modified one for my office for greater range. Not exactly legal, but it works.

I bought one of those cute little cordless "LiteSet" units made by Plantronics, and sold by DAK. I put the base on top of a metal filing cabinet, and opened up the case....finding a ground connection on the PC board where I connected a lead going to several ground radials. I stretched two across the wall that the base unit and the cabinets are up against, and stetched two more diagonally across the cabinets and taped the extra length down over the corners. Then I took one more wire, and attached it to the same place where the base unit antenna was attached. Because the whip was short, I shorted out some of the turns on the series inductor, since I was now using a full 1/4 wave radiator. I took this wire and ran it vertically up the wall, terminating it on a tack. The radials and the vertical element were each 5 feet long, which is about 1/4 wavelength on the transmit frequency of the base unit.

This is a real handy device to have around the office. I can even
go for a walk out in the woods, and still take customer calls!

>
Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

```
From 8218004855527696911
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e23d8df49c00ece
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-10 11:32:11 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!usc!wuarchive!udel!princeton!
idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: Real People?
Message-ID: <664@idacrd.UUCP>
Date: 10 Apr 90 18:32:11 GMT
References: <12961@ucsd.Edu>
Organization: idacrd, princeton, nj
Lines: 25
Posted: Tue Apr 10 19:32:11 1990
```

From article <12961@ucsd.Edu>, by brian@ucsd.Edu (Brian Kantor):
> Oh, I can't resist!...
>
> In article <23929@usc.edu> kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
\>>GET ON THE AIR AND HAVE REAL QSO's WITH REAL PEOPLE.
>
> Oh my. We all know that hams aren't real people - most of us are
> social cripples who found ham radio so very very appealing because it
>   - Brian

Yo Brian:

Ever been to Dayton? You can SOCIALIZE with the largest collection of
misfits ever put into one place. I have seen everything from guys with
plates in their skulls from WW II wounds with mag mounts on their head
to nearly naked vixens. WHAT A SHOW!!

Bob

```
--
---------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
---------------------------------------------------------------------------
```

From 7369901431821394179
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,90115232d855e2f9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-10 13:00:48 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!mintaka!oliveb!orc!bu.edu!polygen!john
From: john@polygen.uucp (John Langner)
Newsgroups: rec.ham-radio
Subject: Visitel for ham SSTV
Message-ID: <694@bogart.UUCP>
Date: 10 Apr 90 20:00:48 GMT
Reply-To: john@.UUCP ()
Organization: Polygen Corporation, Waltham, MA
Lines: 75
Posted: Tue Apr 10 21:00:48 1990

In article <1423@gvgpsa.GVG.TEK.COM> John Kirby asks:

>I bought a Visitel picture telephone a couple of months ago to stay
>in visual contact with relatives. The thought occurred to me that
>it could also be the "poor man's" method of slow scan TV on ham.
>
>Questions:
>
>*   has anyone tried it?
>*   any complications?
>*   is it compatible with any mode of existing "regular" slow scan TV/ham
>   equipment?
>
> ....

>John Kirby

I have not tried a Visitel on the radio but I have serious doubts that it could ever work. The details of the transmission format are a little fuzzy in my brain but here is what I recall.

The image starts with a digital header containing synchronization signals and information about the image size. After this there is NO horizontal sync as in most ham SSTV formats.

The picture is composed of 96 x 96 pixels of 32 gray levels.
The pixel rate and audio carrier frequency are both 3579545/2048 per second. Gray levels are conveyed by a combination of phase and amplitude modulation. 2 phases (180 degrees apart) and 16 amplitudes.

Each pixel is one audio cycle.

This is fine for a phone line or FM radio. Let's perform a thought experiment about what would happen on SSB ...

Suppose your tuning was off by 20 Hz. The receiving end expects one pixel per audio cycle and would gather the pixels at 1727 or 1767 per second while the sender is producing them at 1747 per second.
The phasing would be all messed up. AGC and QSB would also mess up the amplitude modulation of the audio carrier.

Several people have proposed using the Visitel for HF SSTV but I have never heard of any success. I would be very interested in hearing more about people's experiences with it.

If you would like to try SSTV at a low cost use your home computer.

* AEA has an interface for the Amiga for about $300.

* SPEC-COM has SSTV software for the Radio Shack COCO. I think it was about $40.

* A color SSTV program for the Atari ST is available from several user groups. It requires a simple interface that can be built for about $7. See 73, December 89 and January 90.

* I have a vague recollection of a product for the IBM PC from a company named something like Computer Systems Consulting. But it was only black & white. You don't see too many B&W pictures anymore.

In summary,

- The Visitel is not compatible with any of the ham SSTV modes.
- The Visitel modulation scheme can't be decoded by the usual Frequency to Voltage demodulators.
- I seriously doubt the Visitel would work over an SSB radio. (Please, someone - prove that I'm wrong!)

Color SSTV can be very expensive but it doesn't have to be anymore. If you must have 262,144 colors, spend $1295 on a Robot 1200C. If you want to make only a small investment to try something new, use one of the systems based on a home computer.

John Langner, WB2OSZ
mit-eddie!polygen!john

From -6246472677773454782
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bd7dff91015fd43,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-10 13:05:30 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!

oliveb!orc!bu.edu!polygen!john
From: john@polygen.uucp (John Langner)
Newsgroups: rec.ham-radio
Subject: Slow scan TV via the new Visitel Telephone devices
Message-ID: <695@polygen.UUCP>
Date: 10 Apr 90 20:05:30 GMT
Reply-To: john@.UUCP ()
Organization: Polygen Corporation, Waltham, MA
Lines: 74
Posted: Tue Apr 10 21:05:30 1990

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>in visual contact with relatives. The thought occurred to me that
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>
>Questions:
>
>*   has anyone tried it?
>*   any complications?
>*   is it compatible with any mode of existing "regular" slow scan TV/ham
>   equipment?
>
> ....

>John Kirby

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John Langner, WB2OSZ
mit-eddie!polygen!john

From 4851917657609271792
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6dfe1d3ac47e2fe6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-10 13:44:45 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!infotel!smunews!ti-csl!osage!hoenig
From: hoenig@osage.csc.ti.com (Mike Hoenig)
Newsgroups: rec.ham-radio
Subject: Re: Die Hard... laughing, that is!
Message-ID: <118877@ti-csl.csc.ti.com>
Date: 10 Apr 90 20:44:45 GMT
References: <7361@lynx.UUCP> <RsHBH1w161w@w8grt.fidonet.org>
Sender: news@ti-csl.csc.ti.com
Organization: TI Computer Science Center, Dallas
Lines: 35
Posted: Tue Apr 10 21:44:45 1990

In article <RsHBH1w161w@w8grt.fidonet.org> jim.grubs@w8grt.fidonet.org (Jim Grubs)

```
writes:
>neal@lynx.uucp (Neal Woodall) writes:
>
>> MCL9337@TAMVENUS.BITNET writes:
>>
>> >One day last year "me 'n' the boys" ( the other guys in the Texas A&M...
>>
>> Now you begin to understand how gun owners and other gun-knowledgeable...
>>
   (Lots deleted to conserver space...)
>
>What blithering lunacy!!
 ^^^^^^^^^^^^^^^^^^^^^^^^
  ...And I quote you directly.

>Ham radios don't kill children playing in their schoolyard!!!

  NEITHER DO GUNS!!! I have several guns in my house, and nary a one has
  *EVER* gone out into any schoolyard and killed any child.
  On the other hand; I assure you, I can kill you just as dead with my
  TH75A, TM731A, TS440s, TH25A, or TM220A as I can with my S&W 357 Magnum,
  my .38 Special, my .22 semi-automatic rifle, or my shotgun.

     GUNS DO NOT KILL PEOOPLE! *PEOPLE* KILL PEOPLE!

>If you don't see any difference between guns that kill and
>radios that don't, then you yourself are part of the proof that guns MUST
>be banned as soon as possible.

  This argument will be allowed to stand on its own (lack of) merit.

     de Mike Hoenig, N5LTL, *RESPONSIBLE* gun owner.

     "You can take my gun from me when you pry it from my cold, dead
     fingers!"


From 3708639655375862675
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f9532,9e1c1a3d200a51be
X-Google-Attributes: gidf9532,public
X-Google-Thread: 10c9e3,9e1c1a3d200a51be
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9e1c1a3d200a51be
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-04-10 15:23:50 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!udel!rochester!ray
From: ray@cs.rochester.edu (Ray Frank)
Newsgroups: misc.wanted,rec.ham-radio,rec.radio.shortwave
Subject: Re: PRO-34 scan speed mod wanted...
Message-ID: <1990Apr10.185246.11546@cs.rochester.edu>
Date: 10 Apr 90 18:52:46 GMT
References: <11336.AA11336@heimat>
```

```
Reply-To: ray@cs.rochester.edu (Ray Frank)
Followup-To: misc.wanted
Organization: University of Rochester Computer Science Department
Lines: 12
Xref: gmdzi misc.wanted:4054 rec.ham-radio:10773 rec.radio.shortwave:943
Posted: Tue Apr 10 19:52:46 1990

In article <11336.AA11336@heimat> sneakers@heimat.UUCP (Dan "Sneakers" Schein)
writes:
>[-=-]
>
>    Im in need of a mod for the Radio Shack PRO-34 to increase the -SLOW-
>   scan speed. If you know of one, please send E-Mail.
>
>   Sneakers

Yes, I'd like to know if anyone has such a mod.  But please post it to the
net as there is likely to be a good audience for such a mod.

ray


From -3244969218330877543
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,546d89b355f92bb7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-10 16:55:06 PST
Path: gmdzi!unido!mcsun!uunet!stretch.cs.mun.ca!leif!rockwood
From: rockwood@kean.ucs.mun.ca
Newsgroups: rec.ham-radio
Subject: Computers and TS-440..Help!!
Message-ID: <77086@kean.ucs.mun.ca>
Date: 10 Apr 90 23:55:06 GMT
Organization: Memorial University. St.John's Nfld, Canada
Lines: 5
Posted: Wed Apr 11 00:55:06 1990

Does anyone have any info on software available to control the
Kenwood TS-440S from an IBM compatible computer?
Would appreciate E-Mail.
Tnx.
Art Rockwood VO1AX


From -8387929748560814648
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4958cbe7c377bed8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,4958cbe7c377bed8,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f9437,4958cbe7c377bed8,start
X-Google-Attributes: gidf9437,public
X-Google-Thread: 114d61,4958cbe7c377bed8,start
```

X-Google-Attributes: gid114d61,public
X-Google-Thread: 105d97,4958cbe7c377bed8,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-04-10 20:04:39 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!ucdavis!csusac!sactoh0!quack!mrapple
From: mrapple@quack.UUCP (Nick Sayer)
Newsgroups: news.groups,rec.arts.tv,rec.ham-radio,rec.radio.shortwave,sci.electronics
Subject: CALL FOR VOTES - rec.arts.tv.cable
Keywords: LAST CALL!!!!!
Message-ID: <5266@quack.UUCP>
Date: 11 Apr 90 03:04:39 GMT
Followup-To: news.groups
Organization: The Duck Pond, Stockton, CA
Lines: 104
Xref: gmdzi news.groups:17402 rec.arts.tv:3448 rec.ham-radio:10815 rec.radio.shortwave:958 sci.electronics:6219
Posted: Wed Apr 11 04:04:39 1990

[followups to news.groups. crossposted to s.e r.h-r for technical reasons, r.r.s because of satellite discussions]

After the disaster during the first week, voting has proceeded smoothly, but at a pace which will not result in passage of the new group. The current count is 19% no, 81% yes, with 36 votes received. If you want this group to succeed, please vote for it, if you haven't already. I believe this group will be a useful one, but 99 other people have to agree. Please check the votes list. If your name is not there and you have voted, please vote again. I will filter the dupes.

I've been told that many have sent mail to quack.uop.edu. quack is NOT in the .uop.edu domain. Either use uop.edu!quack!... or ...%quack@uop.edu or some such.

CHARTER: REC.ARTS.TV.CABLE

This group is for discussions pertaining in general to cable television, and satellite television. Broadcast only issues should go to rec.arts.tv. More specifically, discussions of technical, regulatory, programming, and/or customer service/cost/quality issues are welcome.

Technical discussions of cable programming technology are welcome, which is somewhat at odds to its placement in "rec," but this is proposed simply because of the infeasability of placing the group elsewhere. The original name rec.arts.tv.catv was objected to by several because of the confusion over the designation "catv" meaning community access TV instead of community antenna TV. Several have objected to placing the group in rec.arts, but there have been no alternative suggestions.

The newsgroups line would read:

rec.arts.tv.cable Discussion about cable and satellite television

This newsgroup would not be moderated. It distribution would be world-wide.

To vote, send mail to:

uop.edu!quack!vote-no	for no votes
uop.edu!quack!vote-yes	for yes votes

A daemon will pick out the "From:" line and add it to a file. No reply will be sent. Second call with vote list will be posted Tuesday the 3rd, and third call with vote list will be posted Tuesday the 10th.

The vote will end April 16, 2359 UTC, with the usual 5 day wait for late mail.

Any personal mail may be sent to ...quack!mrapple, but votes sent there will not be counted. Posted votes will not be counted.

Vote list as of 4/10/90, 0000 UTC:

From: "Ofer Inbar" <uop!chaos.cs.brandeis.edu!cos>
From: "William K. McFadden" <uop!RELAY.CS.NET!bill%videovax.tv.tek.com>
From: "curtis, jeffrey a" <uop!rodan.acs.syr.edu!jacurtis>
From: <uop!pws.bull.com!eli>
From: Andy Malis <malis@BBN.COM>
From: BRUCE EDWARDS <csusac!ucdavis!locke.hs.washington.edu!BRUCE>
From: Chad Fogg <cfogg@milton.u.washington.edu>
From: Dave Brennan <uop!DG-RTP.DG.COM!brennan>
From: Dave Ratcliffe <uop!uunet.UU.NET!compnect!dave>
From: Doug Blair <uop!obdient.chi.il.us!blair>
From: Floyd Miller <uop!PRC.Unisys.COM!starsend!floyd>
From: Ian Harding <uop!uunet!ukc.ac.uk!ih>
From: JENNIFER SANDERSON <pascal@nevada.edu>
From: Larry Setlow <uop!riacs!rutgers!cpac.washington.edu!pjt>
From: Peter B. Hayward <uop!tank.uchicago.edu!pbhx>
From: Ronald van Loon <rloon@praxis.cs.ruu.nl>
From: Terry J. Wood <uop!unix.cis.pitt.edu!tjw>
From: Tom Flynn <uop!RELAY.CS.NET!tomf%tekigm2.men.tek.com>
From: breault@garnet.berkeley.edu (Kirk Breault)
From: csusac!ucbvax!cwjcc.INS.CWRU.Edu!gatech!harvard!anselm!ebertran (Erik Bertrand)
From: mrapple (Nick Sayer)
From: uop!EBay.Sun.COM!duane (Duane Day, Sun I.R. Applications Support)
From: uop!GARP.MIT.EDU!henry (Henry Mensch)
From: uop!apldbio.com!jgro (Jeremy Grodberg)
From: uop!bongo!julian (Julian Macassey)
From: uop!cod.nosc.mil!scallon (Matthew C. Scallon)
From: uop!decwrl!mdcbbs!dev3f.mdcbbs.com!sandy
From: uop!en.ecn.purdue.edu!stevew (Steven L Wootton)
From: uop!gatech.edu!dekalb!tas (N. Tasova)
From: uop!gvlv3.GVL.Unisys.COM!ean (Ed Naratil)

From: uop!mtqua.att.com!asd (Adam Denton)
From: uop!netcom!netnews (NetCom Usenet Admin)
From: uop!oswego.oswego.edu!vermilye (Jon R. Vermilye)
From: uop!pilchuck.Data-IO.COM!jewell (Cal Jewell)
From: uop!riacs!rutgers!tc.fluke.com!moriarty (Jeff Meyer)
From: uop!sun!portal!cup.portal.com!HAVANAMOON
From: uop!ucdavis.ucdavis.edu!csusac!sactoh0!mholtz (Mark A. Holtz)
From: uop!uunet!dooma.prl.philips.nl!shanks
From: uop!uunet!hsi.com!rao (Ananth Rao)
From: uop!uunet.UU.NET!capmkt!bandy (Guru Drew)
From: uop!uunet.uu.net!xanadu!STella
From: uop!world.std.com!eliz (Elizabeth Lear)
From: uop!x102a.ess.harris.com!dsampson (sampson david 58163)

```
--
Nick Sayer  -  The Duck Pond public unix  -  209-952-5347 (Telebit)
--------------------------------+----------------------------------
quack!mrapple@uop.edu            !
...pacbell!sactoh0!quack!mrapple ! And now, The Fish Slapping Dance
N6QQQ (145.75 - TCP/IP soon)     !
```

From 3348699972505451137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6dfe1d3ac47e2fe6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-10 22:44:59 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!emory!mephisto!gatech!kd4nc!km4ba!alan
From: alan@km4ba.UUCP (Alan Barrow)
Newsgroups: rec.ham-radio
Subject: Re: Die Hard... laughing, that is!
Message-ID: <136@km4ba.UUCP>
Date: 11 Apr 90 05:44:59 GMT
References: <7361@lynx.UUCP> <RsHBH1w161w@w8grt.fidonet.org>
Organization: km4ba's packet radio gateway, Atlanta GA.
Lines: 21
Posted: Wed Apr 11 06:44:59 1990

jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

stuff deleted...
>> at least not yet.
>
>What blithering lunacy!! Ham radios don't kill children playing in their
>schoolyard!!! If you don't see any difference between guns that kill and
^^^^^^^^^^^^^
No, California judicial systems that don't lock up criminals with a
history of violence are what killed those children in Stockton. If
Patrick Purdy had been left in jail the previous 6 times, they would
be alive now. (His own mother had him arrested once, and he has
assaulted police officers before as well)

Just when I thought it was safe for Jim to come out of the

kill file! You missed the point on the orig posting, (As usual!)
and are picking a poor "case" to discuss "blithering lunacy" about!

Alan Barrow km4ba

..!gatech!kd4nc!km4ba!alan

From -1729499204903982524
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11846156f79f8051,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 00:10:49 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!ames!pacbell!uop!wells
From: wells@uop.EDU (Dan Wells)
Newsgroups: rec.ham-radio
Subject: FT-811 mods wanted.
Keywords: Yahoo FT-811
Message-ID: <2099@uop.uop.edu>
Date: 11 Apr 90 07:10:49 GMT
Organization: University of the Pacific, Stockton, CA
Lines: 11
Posted: Wed Apr 11 08:10:49 1990

Hello, I've been following the radio modification thread for some time
but haven't seen any for my new radio.
So, if anyone knows how to modify the Yaesu FT-811 for extended tx/rx
please send e-mail or post a message.
I was a at a Ham Swap recently and someone was selling a modified FT-811
for some ridiculous price. Of course I asked him how to do it, he refused to
tell me, but offered to modify my radio for a fee! I wonder if he was a ham.
So anyway it looks like it is possible, I just need to know how.
Thank you for your time...

-Dan. wells@uop.edu KA6NGB

From 793900493485263447
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f5e5202ee6a52070,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 03:45:49 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!bloom-beacon!w1gsl
From: w1gsl@athena.mit.edu (Steven L. Finberg)
Newsgroups: rec.ham-radio
Subject: Spring Flea at MIT HAM - COMPUTER SWAPFEST
Summary: Sunday April 15   9 AM to 4 PM
Message-ID: <1990Apr11.022445.3455@athena.mit.edu>
Date: 11 Apr 90 02:24:45 GMT
Sender: news@athena.mit.edu (News system)
Organization: Massachusetts Institute of Technology
Lines: 37

Posted: Wed Apr 11 03:24:45 1990

***** 50 cent buyers discount with hardcopy of this notice ********

COMPUTERS - ELECTRONICS - HAM RADIO - COMPUTERS - ELECTRONICS

SPRING FLEA AT MIT
Sunday, April 15, 1989
9AM-4PM

Come to the city for a great flea - plenty of free parking.

MIT's semi-annual electronics and ham radio flea will take place on the Sunday of Patriot's Day weekend again this year.

There is tailgate space for over 200 sellers and free, off-street parking for 1000 cars!

Buyers admission is $1.50 (you get 50c off if you're lucky enough to have a copy of our add) and sellers spaces are $6.00-each at the gate

The flea will be held at the corner of Albany and Main streets in Cambridge; right in the Kendall Square area from 9AM to 4PM, with sellers set-up time starting at 7AM. Have no fear of rain, a covered tailgate area is available (6'8" clearance).

Talk-in: 146.52 and W1XM/R-449.725/444.725 (PL 114.8/2A).

Sponsors: MIT Electronics Research Society
MIT UHF Repeater Association (W1XM)
MIT Radio Society (W1MX)

For more info / advanced reservations 617 253 3776

******** 50 cent buyers discount with hard copy of this notice ************

From -6423759845640972192
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7ad25a90cc649b35
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 04:56:47 PST
Path: gmdzi!unido!mcsun!uunet!hfsi!bower
From: bower@hfsi.UUCP (Michael Bower Comm.)
Newsgroups: rec.ham-radio
Subject: Re: Alf a Ham?
Message-ID: <366@hfsi.UUCP>
Date: 11 Apr 90 11:56:47 GMT
References: <9004091229.AA27462@ti.com>

Reply-To: bower@hfsi.UUCP (Michael Bower Comm.)
Organization: Honeywell Federal Systems Inc., McLean VA.
Lines: 26
Posted: Wed Apr 11 12:56:47 1990

In article <9004091229.AA27462@ti.com> rlwest@flopn2.csc.ti.com (Bob West, WA8YCD) writes:
>I did not see the episode in question as it aired, but caught it on my
>VCR. I watched it, then rewound it and checked the pattern he was sending.
>
>He was sending on an MFJ-557 (like I use in my code classes!) and he definitely
>sent a W6 callsign. I could not tell the last two letters because they were
>run together. The last two letters were either SC or VR... I forget the
>first letter of the call I wrote down. When I looked in the callbook there
>was only one of the two calls listed.
>
>The hand that was sending, I would say, definitely knew what it was doing.
>
>Interesting.
>
>
THis shouldn't be too hard to get. In almost every episode where they
are in the garage gives a glimpse of the call sign. It is on a nameplate
(call plate) like you can get at any hamfest or engravers on top the
radio. The ham operator in the show is supposedly mr Tanner.

```
------------------------------------------------------------------------
Michael Bower - N4NMR                      Honeywell Federal Systems Inc.
uunet!hfsi!bower                           7900 Westpark Dr. - MS 1007
703-827-3559 (o) 703-435-5081 (h)          McLean, VA 22102
------------------------------------------------------------------------
```

From 2127615296908760707
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ff4349ae4aa551b6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 05:45:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.HP.COM (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: Antenna mounting question
Message-ID: <7120114@hpcupt1.HP.COM>
Date: 10 Apr 90 19:46:50 GMT
References: <482@skipper.dfrf.nasa.gov>
Organization: Hewlett Packard, Cupertino
Lines: 17
Posted: Tue Apr 10 20:46:50 1990

Antennas West markets a very fine black dacron line for antennas. The
black variety holds up good in the sun light. I think I paid around

$20 for 200 ft. It's about 3/16 inch in diameter and has a 700 lb. breaking strength.

Antennas West
Box 50062-c
Provo, UT 84605
(801)-373-8425

The 22 ga would work for ground radials, but it is kinda light. Use somehing more around 18 ga or so. Don't forget that there is current flowing in the radials and the losses go up as the ground system becomes less efficient.

Jim, WA6SDM @ AA4RE
jholly.hpcupt1.hp.com

From -8225036160676588636
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,50e6311cceaa73bd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 05:47:42 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.HP.COM (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood 940S vs Icom 765??
Message-ID: <7120113@hpcupt1.HP.COM>
Date: 10 Apr 90 19:32:55 GMT
References: <7650004@hpfcbig.SDE.HP.COM>
Organization: Hewlett Packard, Cupertino
Lines: 11
Posted: Tue Apr 10 20:32:55 1990

Why just those two? Consider a well made and very fine transciever from Ten-Tec. Two models to chose from in that price range. Service, if needed, stands heads and shoulders above the rice-box send it in and we will give you a quote variety. You can actually fix these radios yourself. How novel.

For my money I would buy the American instead of the Japanese.

73's
Jim, WA6SDM @ AA4RE
jholly.hpcupt1.hp.com

From -1930052246648235821
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fdb612b62b288e8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 06:02:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-

state.edu!ucbvax!TOPS20.RADC.AF.MIL!POPYACK
From: POPYACK@TOPS20.RADC.AF.MIL
Newsgroups: rec.ham-radio
Subject: Re: How to achieve 20 WPM
Message-ID: <12580699202.13.POPYACK@TOPS20.RADC.AF.MIL>
Date: 10 Apr 90 13:24:44 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4
Posted: Tue Apr 10 14:24:44 1990

Only one way: PRACTICE PRACTICE PRACTICE!!!!!!!!

From 2647852890535921762
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,722fe2174eb7f05d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 06:03:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!STL-06SIMA.ARMY.MIL!wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: Re: SW popularity in USA
Message-ID: <9004110706.AA07163@ucbvax.Berkeley.EDU>
Date: 10 Apr 90 14:06:09 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 82
Posted: Tue Apr 10 15:06:09 1990

>Another reason occurs to me because of my recent attempts to actually
>*buy* a shortwave radio. I found two amateur radio shops that could
>not care a lot less about SWL, and who didn't have anything for less
>that $600 anyway (seriously!), and exactly one store in a mall that had
>a couple of the Panasonics. (I'll leave aside Radio Shack for the
>moment, if you all don't mind :-) Nobody had a listing in the Yellow
>Pages, and the market looked almost completely dead. I know it's a
>chicken-and-egg thing, but I don't see how a young person is going to
>become aware of SW when the radios aren't to be found. They can get
>AM/FM radios practically out of cereal boxes, but SW receivers are some
>other strange thing they sell at Radio Shack. At least the latter
>have stayed in the market.

I will heartily second this and venture some comments on the issue. One aspect of the "chicken-and-egg"ness of the situation is that it appears there is absolutely NO "trade press" for the SWL marketplace (and, actually, for the amateur marketplace, too). I get a consumer-electronics dealer publication called "Audio-Video International" -- with a name like that it would be a natural to include a section on shortwave radio and ham gear, even if not in every issue at least quarterly or thereabouts. I've filled out comment cards and the "suggested article" section of their bingo cards for *years* with comments and suggestions that they institute at least some coverage of this marketplace, but they ignore the field.

I know of no dealer-oriented publication anywhere in the consumer electronics field that even acknowledges the existence of the SWL market or even the larger (or at least more-varied-product) ham market. I believe no ham or SWL manufacturer displays their wares at the CES trade shows (except for what portable SW radios might show up in the Sony or Panasonic displays).

With no trade press or "push" from the manufacturers encouraging retailers to get interested in serving this market, few, if any (who are not already interested in the field due to their own personal hobby), will make any effort to address this field. So there are few stores selling these products, and thus little awareness of them in the general public, who learn about goods and services mainly through advertising and no one is buying general-media ads for this stuff because the only dealers are small specialized or mail-order places who wither cannot afford to buy such ads or can't justify the expense on the expected return from such "cold" ads or "informational" ads.

As a side issue, the only periodical outside the electronics-hobbyist press I've even seen any detailed or worthwhile coverage of shortwave radio in is "American Survival Guide", a survivalist monthly that has articles on ham gear and shortwave in amongst the ones on emergency medicine, food growing and storage, and weaponry. And that serves another limited-scope specialized audience, anyway. What we need is the same degree of coverage in the general media as they give to VCRs and camcorders -- not an awful lot, and not terribly accurate, but at least *something*.

Mentioning Radio Shack and other retailers who *do* attempt to sell SW reminds me of an amusing (or disenheartening :-) incident from about 17 or 18 or so years ago. I was at one of those "catalog outlet" type stores in central Illinois while on vacation -- one of those places that has a sample of everything displayed and you request what you want at an order window and the stuff comes out of the bowels of the warehouse in back or below in a bin on a conveyor. I was looking at some Nordmende SW radios and the guy who was waiting on me turned out to be the store manager. I tuned around on it and made some comments to my wife and the guy realized I knew something about shortwave and started asking questions. I explained a bit about what bands got the best reception at what times of day and the guy offered me a job then and there! I think I was the first person he had encountered who appeared to know anything at all about consumer electronics and SW in particular... :-) What this illustrates is that this is a kind of product that requires knowledge on the part of the salesperson, and that may be next to impossible to find these days -- the stores cannot afford to pay enough to the salespeople to keep anyone knowledgeable enough to sell the stuff; those people will find better jobs easily and quickly, and the markup and volume sold can't provide enough sales commission to support competitive pay. That situation won't change until the general level of technical knowledge in the population rises; since it appears to be headed down, instead, things are not likely to improve... Radio Shack makes some attempt to train its sales force, I suppose, but they have to emphasize the higher-volume and more profitable aspects, and the one or two SW radios they sell get left out. So you're not likely to find an SW-knowledgeable clerk at RS, either.

Regards, Will
wmartin@st-louis-emh2.army.mil OR wmartin@stl-06sima.army.mil

From -4487693260303016109
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bd07a1b3e2107989,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 06:04:26 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!MARLIN.NOSC.MIL!price
From: price@MARLIN.NOSC.MIL (James N. Price)
Newsgroups: rec.ham-radio
Subject: Msg for John Adams, NW6H
Message-ID: <9004101510.AA03484@marlin.nosc.mil>
Date: 10 Apr 90 15:10:49 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Tue Apr 10 16:10:49 1990

Apologies to the net.

John, tried to send e-mail to the address you gave us at Winterail, but our mailer's not smart enough or something. Please send me an e-mail msg and I'll reply by the return route.

Enjoyed meeting you this past weekend. Hope we can continue to merge our ham radio, railroad, photo, and history hobbies.

73--Jim, K6ZH

ARPANET: price@nosc.mil

From 324358226295585850
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,940b29b2fc837ef6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 06:04:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!NISD.CAM.UNISYS.COM!doug
From: doug@NISD.CAM.UNISYS.COM (Doug Hardie)

Newsgroups: rec.ham-radio
Subject: Re: INFO-HAMS Digest V90 #389
Message-ID: <9004101930.AA26805@KRONOS.NISD.CAM.UNISYS.COM>
Date: 10 Apr 90 19:30:30 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Tue Apr 10 20:30:30 1990

Subject: Heathkit catalog

The airplane was the first heathkit and the scope was the first electronic kit. However I don't believe the big sloping console analog computer was their first. They also made a much smaller analog computer in a rectangular box that I used in high school. I recall the bigger unit becomming available after our unit was up and working and those who really knew how to use it wanted to upgrade, but the administrators said NO! I used to have one of the first scopes (serial no in the 20s), but the pots were too gummed up and it was too big for my limited needs. Years ago one of their catalogs had a history of the company. It was quite interesting.

-- Doug WA6VVV

From -6980194065531507222
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c3a45acf8c27fde,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 06:15:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!UWPLATT.EDU!UCSBPM
From: UCSBPM@UWPLATT.EDU ("Brian P. McCarty ", N9IWP)
Newsgroups: rec.ham-radio
Subject: Oh Toto, I don't think we are in Wisconsin anymore...
Message-ID: <AFFBBB9CF21F8010E1@uwplatt.edu>
Date: 10 Apr 90 21:01:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Tue Apr 10 22:01:00 1990

Thanks for all the people who helped me with my grid square question.
Also, I wish to note that I am WELL AWARE that I am not at 40 degrees
it was a TYPO. The location I found was indeed 45 degrees, etc
{Sister Bay is grid EN65ke}

As for ALF, it was Melmacian (sp?) code, which sounded like "H" in Morse code to me. There have been a few episodes where Willy and or Alf uses the radio. If anyone saw part two of that two parter (the one a week or so ago), please e-mail me a synopsis (I missed it). [NOTE:I normally don't watch the show, but I saw part 1 and am curious]

Well, I wasted enough bandwidth.
Brian P. McCarty N9IWP
internet:UCSBPM@UWPLATT.EDU
bitnet:drop the .EDU

From 3474300008547880974
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b09b9ccf17e92ef,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,6b09b9ccf17e92ef,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-04-11 06:30:13 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!burdvax!gvlv2!gvlv3.gvl.unisys.com!ean
From: ean@gvlv3.gvl.unisys.com (Ed Naratil)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: No Code - My two cents worth
Message-ID: <631@gvlv2.GVL.Unisys.COM>
Date: 11 Apr 90 13:30:13 GMT
Sender: news@gvlv2.GVL.Unisys.COM
Reply-To: ean@gvlv3.gvl.unisys.com (Ed Naratil)
Followup-To: rec.ham-radio
Organization: Unisys Defense Systems, Great Valley Labs, Paoli, Pa
Lines: 38
Xref: gmdzi rec.ham-radio:10860 rec.ham-radio.packet:2082
Posted: Wed Apr 11 14:30:13 1990

Herewith follows my opinion on the so-called "NO CODE LICENSE"

In the beginning there was spark gap and CW, or to be more correct interrupted continuous wave (ICW). Therefore there was a need to test would-be amateur radio operators in rules, regulations, *AND* operating proficiency in ICW.

This is 1990. We have not only ICW available, but also AM, FM, SSB, NBFM, RTTY, PACKET, MCW, etc., etc.

Therefore, I propose that the amateur bands be broken up into exclusive segments for each mode of operation. No longer will CW be allowed anywhere in a band.

I also propose, that the would-be amateur radio operator be required to take a test for *HIS* mode of operation in addition to the required test in rules and regulations.

Call signs would be issued based on the mode of operation in order to police the bands. i.e. PA3xxxx for Packet License in the 3rd call area. CW3xxxx for CW License in the 3rd call area. etc. The prefix would designate the mode of operation. Naturally to avoid confusion with calls of other countries a complete world-wide re-issuance of call signs would be needed.

I think this would appease those who claim "my call is like my name, I don't want to change it." (shades of incentive licensing). But, just think, if you operate three different modes, you'll have three different calls.....just like a - first name - middle name - and last name.

Note to possible ARRL officials:

Please consider the above when next attending a League policy meeting. Thank you.

Ed Naratil, W3BNR @ N3LA.#EPA.PA.USA
ARRL LIFE Member, QCWA LIFE Member

From 3982917745798952416
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c084efc2b2384417,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 07:01:29 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!tut.cis.ohio-state.edu!att!cbnewsk!wheatley
From: wheatley@cbnewsk.ATT.COM (steven.m.wheatley)
Newsgroups: rec.ham-radio
Subject: Tubes needed
Message-ID: <2380@cbnewsk.ATT.COM>
Date: 11 Apr 90 04:17:39 GMT
Organization: AT&T Bell Laboratories
Lines: 22
Posted: Wed Apr 11 05:17:39 1990

I need the following tubes, which (i believe) are british designations). If anyone can cross-reference or provide a source, it would be appreciated

KTW61 or KTW62 or KTW63

X65 or X66

MHLD6 or DL63

Y61 or Y63 or 6U5

THanks!

Steve Ku9C
inuxz!wheatley

--
Steven Wheatley   AT&T Consumer Products   (317) 845-3927

....!att!inuxz!wheatley

From 4939422108099179189
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8e65538e7ad2e6c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 07:04:08 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!mintaka!yale!cs.utexas.edu!samsung!xylogics!transfer!lectroid!k1te
From: k1te@lectroid.sw.stratus.com (Bradshaw Lupton)
Newsgroups: rec.ham-radio
Subject: I have this friend....
Summary: radio shack tuner cleaner globs up volume/squelch control
Keywords: dope, globs up, tuner cleaner, wilson walkie
Message-ID: <1063@lectroid.sw.stratus.com>
Date: 11 Apr 90 12:07:35 GMT
Reply-To: k1te@stratus.com (Bradshaw Lupton)
Organization: Stratus Computer, Inc.
Lines: 18
Posted: Wed Apr 11 13:07:35 1990

"I have this friend" with a wilson walkie talkie (15 yrs old) with a very noisy scratchie volume control. "This friend" tried using radio shack tuner cleaner on the volume and squelch control with the result of no scratch, no noise, no audio.

Was is the best recovery from this dopey move? Degreaser? a quick pass through the knits/gentle cycle (with no spin dry?) Or my all time favorite, a gasoline rinse by candlelight.

Thanks for your patience and help. "Your friend" Bradshaw.

```
--
| Bradshaw B. Lupton Jr.     |================| NOTE: my employers will not |
| Stratus Computer, Inc.     |k1te@stratus.com| let me use a soldering gun, |
| Marlboro, Ma 01752         |================| pencil, or torch; How did   |
| 508 490 6484 / 480 8219(f) |/\/\/\/\/\/\/\/\| they get so smart?          |
```

From -2548123955787290863
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fb07436256ebba91
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 07:04:10 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!hplabs!hplred!paull
From: paull@hplred.HP.COM (Robert Paull)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood 721 Display Upgrade
Message-ID: <7870002@hplred.HP.COM>
Date: 10 Apr 90 16:01:05 GMT

```
References: <724@west.West.Sun.COM>
Organization: Hewlett Packard Labs, Palo Alto CA
Lines: 10
Posted: Tue Apr 10 17:01:05 1990
```

The last time I delt with Kenwood was to get a replacement LCD for my TR-2500. As some of you might recall, the display had a tendency to become unreadable after a few years. I called Kenwood, told them about my problem (they were aware that the LCD in the 2500 had this problem). The sent me a new LCD free, no questions asked.

Rob Paull WE6B

```
From 1293229210454190562
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32e567444bddfbd5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 07:26:48 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!flopn2.csc.ti.com!
rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: Re: Amateur Radio is Enjoyable!
Message-ID: <9004111432.AA21922@ti.com>
Date: 11 Apr 90 14:26:48 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Wed Apr 11 15:26:48 1990
```

> HF mobile, by the way, is great fun! 20m can be frustrating, but 15m DX right
> now is almost as good, sometimes even better, and 40m daytime ragchewing isn't

Wanna be on the RECEIVING end of a PILEUP ??

Take your MOBILE HF out to a county line, especially if one or both counties is low in ham population... and check into one of the COUNTY HUNTERS' NETS. (It's been 13-14 years, so I don't remember the freqs. on 75 and 20...)

Mobile HF is often more impressive to a non-ham, too, than 2 meters...

73, & good luck,

Bob ("I got those small car blues, too!") wa8ycd
RLWEST@FLOPN2.CSC.TI.COM

```
From 5073726056145697841
```

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,31d6d397093b0b5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 07:31:25 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!CCIW.BITNET!U009
From: U009@CCIW.BITNET
Newsgroups: rec.ham-radio
Subject: TR2500 Service Manual.
Message-ID: <5A040B091D1000C9-MTACY830*U009@CCIW>
Date: 11 Apr 90 14:31:25 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Wed Apr 11 15:31:25 1990

Miker:
Our mailer barfed. Send me direct your   (snail) mailing address and I'll
send a photocopy of what I have.

 Regards, Stu Beal, VE3MWM, (U009@CCIW.BITNET),
 National Water Research Institute,
 Burlington, Ontario, Canada.

 The future lies ahead. And behind us lies, lies... lies.

From 5721792557314998985
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e3596a7f47c0c6fd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 07:50:53 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!ucbvax!hplabs!hpfcso!debow
From: debow@hpfcso.HP.COM (Doug Debow)
Newsgroups: rec.ham-radio
Subject: q
Message-ID: <7500018@hpfcso.HP.COM>
Date: 11 Apr 90 14:50:53 GMT
Organization: Hewlett-Packard, Fort Collins, CO, USA
Lines: 1
Posted: Wed Apr 11 15:50:53 1990

test

From 4634464142902822108
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f7c66f78cea3faf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 08:05:45 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!GTE.COM!pascoe%edcd.dnet
From: pascoe%edcd.dnet@GTE.COM (Dave Pascoe)
Newsgroups: rec.ham-radio

Subject: how to achieve 20WPM?
Message-ID: <9004111505.AA03950@bunny.gte.com>
Date: 11 Apr 90 15:05:45 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18
Posted: Wed Apr 11 16:05:45 1990

In Message-ID: <35125@genrad.UUCP> Diana Syriac asks how common it is to be able to send code with either hand......

I am a mixed-mode operator (phone,CW,digital) but I particularly enjoy CW and always have. I know many CW operators and have encountered *very* few who can send with either hand. Most of the CW ops I know can send with only one hand and generally write with the same hand. This is particularly distracting when handling NTS traffic or operating a CW contest because one has to drop the pencil each time he needs to make an entry in the log. (Well, if you're using a computer contest logging program that sends CW for you this isn't true!) I send with my right hand and write left-handed, which is a real blessing.....

  Dave Pascoe KM3T | Internet: pascoe@edcd.gte.com
                        | km3t%jjmhome@m2c.m2c.org
                        | UUCP: {harvard}!m2c!jjmhome!km3t
                        | Packet Radio: km3t @ k1ugm.ma.usa.na

From 5160532013689258253
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d767797d02db2ea8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 09:32:08 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio
Subject: RE: How to achieve 20WPM?
Message-ID: <9004111647.AA24598@ti.com>
Date: 11 Apr 90 16:32:08 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 98
Posted: Wed Apr 11 17:32:08 1990

Reference increasing code speed...

These are some general comments and/or observations after passing the test myself and working with about a dozen others at various speeds. Before you read this, review the meaning of the abbreviation "IMHO."

IMHO:

* PUSH A LITTLE. Listen to faster than you can copy and "push the envelope". I like to have my 20wpm folks listen to W1AW or whatever source at higher for a while and then slow to the target speed. W1AW sends at 35,30,25,20 (,15,10...) So we listen through 20 and quit. I tell 'em not to worry if they can't write it all down at 35 and 30 (I can't!) but LISTEN to aid concentration and quicken recognition. MOST of the observe they can hear "the", "and", "of" and other short, common words.

  If you're using a computer, set the speed up to 25 for about five minutes. You'll do really rotten. Then slow down to no less than 20. It really sounds slower.

  If you are still at 13 or so, trying to build toward 20, I recommend that you USE THE FARNSWORTH METHOD! It really does make a difference.

* BE REGULAR. Spend some time EVERY DAY. Even if just a little bit. It's tough between work, school, family, other activities, but it only needs last until you pass that test! (Unless you really get hooked on CW!) An hour a day is terriffic! Half an hour per day is good. Even only TEN MINUTES PER DAY EVERY DAY is better than ONE HOUR ONCE A WEEK. Sometimes it helps if you have someone else to work with, because the other person helps keep you on schedule, encourages you when you do well, rags on you when you slack off.

* CONCENTRATE. Keep up the pacing. I HAVE DIFFICULTY WITH THIS MYSELF. When you miss a character (or word) FORGET ABOUT IT. Don't spend time flustering over it while other characters (or words!) are still being sent. Leave a space or draw an underline or SOMETHING, but keep your concentration ON. Keep up with the speed. Some folks can hear the code but can't write fast enough.

  If you have time afterward, maybe you can figure out what it was.

* SEND. The rules, or the popular interpretation of the rules, do not require you to send. I don't know of a VEC that tests sending, and the rules say you can't flunk for bad sending.

  When you send, you are translating the code from the abstract letter symbol to a definite action. (You press the key for a short while, wait a short while and press the key for a three short whiles and wait three short whiles. That's an "A".)

  If you're working by yourself, you don't really NEED an oscillator. You can tap on a table, steering wheel, your knee, etc. What you are learning to associate with the letter symbol is the muscle contraction (wrist motion). That's fairly personal. You can touch your nose because you "know" where it is. You learn an "A" because you "know" the pattern.

(most important!) DON'T GIVE UP! Some folks take longer than others. Some folks have more time to devote to it. Some folks are more committed (some say I *should* be! :-)) I really believe the part in the movie "Stand and Deliver" where the teacher talks about "ganess" (howzat spelled?) the *desire* to do what it takes. Self confidence makes a big difference. It's not "DON'T GIVE UP ON THE CODE," but "DON'T GIVE UP ON YOURSELF!"

TRUTH TIME:

OK, I admit it. When my 1-year, non-renewable Novice ticket was about to expire, I was *not* ready to pass the 13 wpm test. So I was a Technician for a few years. I FLUNKED THE 13 WPM TEST SEVEN -COUNT'EM- SEVEN TIMES AT THE FCC FIELD ENGINEER'S OFFICE IN PITTSBURGH. The EIGHTH time was a charm. A buddy and I worked together, harassing each other into not slacking off and encouraging other (maybe a little competetive?) and we both passed that day.

I kinda laid off the code for a while, and was even "out of" ham radio for a while (2m FM only) and on the 20th anniversary of my first Novice QSO I got sentimental and started messing around with code again. I was amazed how fast I was able to reinforce the code. Also, the new VE exams were, it seemed, easier. I sat down at the exam at a hamfest and thought, "Oh, what the heck! If I flunk it now, I can go take it again in three weeks at the session in Dallas!" NO PRESSURE. NO 30-DAY WAIT. NO INTIMIDATING FCC OFFICE. Whaddya know! I passed!

As a final, general observation, I would hazard the opinion that our worst obstacle is ourselves.

Good luck,

Bob West WA8YCD
Texins Amateur Radio Club
Dallas Texas
RLWEST@FLOPN2.CSC.TI.COM

From -8552291478798297394
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b901f7a919964cf2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 10:08:31 PST
Path: gmdzi!unido!mcsun!uunet!samsung!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!uicsl.csl.uiuc.edu!gene
From: gene@uicsl.csl.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Restricted Space Antennas...
Message-ID: <29400003@uicsl.csl.uiuc.edu>
Date: 11 Apr 90 17:08:31 GMT
References: <173527@<90Apr3>
Lines: 58

Nf-ID: #R:<90Apr3:173527:uicsl.csl.uiuc.edu:29400003:000:3825
Nf-From: uicsl.csl.uiuc.edu!gene   Apr 5 10:10:00 1990
Posted: Wed Apr 11 18:08:31 1990

Can't predict local interference results, but would recommend you try a High-Q "Army-loop" type, or more specifically, the "Ted Hart" version of the Army-loop....described in the latest ARRL Antenna Book (15th ed).

Ted Hart wrote that section. Instead of using large copper tubing as they suggest, use low-cost aluminum lawn-edging...available in hardware stores. It is about 4" wide and comes in rolls of 20' and 40'. You can flatten out the corrugations. I have used this quick, easy, lo-cost scheme in the attic of my garage on 20, 40, 80, and of course it can be used on any of the bands except 160 which would be too large to be practical indoors. (also a wider width 7"? is also available). A neat trick is to overlap the ends at the top of the vertical loop and sandwich styrofoam dielectric in between to form the tuning capacitance. This avoids losses by otherwise making connections to a tuning capacitor... which is very important because the high-Q circulating currents may approach 100 amps?. It must be high-Q (and of course narrow-band) to perform properly. It is very easy to feed...just attach the shield of the 50-ohm feed coax to the bottom-center, and the center of the coax simply extends 2' to 4' to experimentally get a perfect 1:1 SWR. It usually is better to put some capacitance in series with this wire. It can be considered a "Gamma-match". Small alligator-clips can be used to clip on to the aluminum. I used a double-layer 20' perimeter on 20 meters (doubled a 40' roll). This provided extra layers at the open-top end to sandwich in more sections of capacitance-overlap as required.

I have not gone back to try this scheme on 40 meters but may go back and try it there...perhaps using the 7" width (I previously attached extra metal sheets to get enough capacitance for 80 meters). I suggest that if you use a double-layer for the 40' perimeter, you can separate the ends at the top, fold them back in the form of a double "J"....do the same on the other end, and when you mesh them together at the top, you will be able to insert 5 pieces of styrofoam dielectric which should provide sufficient capacitance without arcing across...certainly on 40 meters and even possibly on 80 meters. You would however, probably be limited to 100 watts to avoid arc-over.

My 40/80 meter loop is 40' perimeter (7' high and 13' wide rectangle) in the attic of my garage which even has aluminum siding on it. The bottom of the loop lays directly on the wood attic floor...everything else supported by nylon cords. I have tested this scheme quite a bit and get very good results. I have also used 1000 watts sometimes, but arc-over can be quite a problem if the spacing is too close. If you try this and have good results, please report back to me, or to this net because I feel a lot of people in limited circumstances (space or finance) could benefit. Many people are not inclined to believe that it can work so well (Read the ARRL ref. mentioned above for some encouragement).

By the way, if you have a grid-dipper, it can be pre-tuned by simply shunting a 3' or 4' test-lead at the bottom of the loop. Put a 1-turn half-knot in it to insert the grid-dipper coil. (It may "look" like you're shorting out the test-lead with a big 4" wide dead short, but not-so because of the Hi-Q. Alternately, you can "listen" in general-coverage and note where you get a "noise-peak", or if you're in the ham-bands, you can simply try loading it to experimentally adjust the Gamma for a perfect SWR.

By the way, in case you don't read the reference, I should emphasize that this is a "vertical-loop"...not horizontal. Round is best, octagon is second best, square is 3rd and rectangle is last (Wants to enclose as much "area" as possible for a given perimeter. Good luck!

From -7143777974396337692
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1c9438318041c2f0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 10:08:37 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!uicsl.csl.uiuc.edu!gene
From: gene@uicsl.csl.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Zero Beating
Message-ID: <29400004@uicsl.csl.uiuc.edu>
Date: 11 Apr 90 17:08:37 GMT
References: <119@ctbilbo.UUCP>
Lines: 39
Nf-ID: #R:ctbilbo.UUCP:119:uicsl.csl.uiuc.edu:29400004:000:2428
Nf-From: uicsl.csl.uiuc.edu!gene   Apr 5 11:31:00 1990
Posted: Wed Apr 11 18:08:37 1990

I'm glad you asked! This may not directly solve your problem on CW and especially on a random frequency, but I am thinking of starting a campaign to suggest how all "phone nets" can get on precisely the same frequency.

My suggestions are based on the assumption that the large majority of tranceivers are digital/synthesized, read only to 0.1 Mhz on the main display, and have the option of tuning in exactly 1 Khz steps where it necessarily stops precisely on a full digit. My Icom 751 does this and I feel pretty sure that other similar equipment does the same.

1. Have all nets agree to use a "full" digit (no 0.1 Khz fractions).
2. Have all participants leave their main tuning in the "1 Khz-step" mode only, to step to the desired digit.
3. Henceforth, DO NOT TOUCH the main dial....use only RIT (Receive Incremental Tuning, or whatever descriptive term is used).
   Thus each person can set his RIT to suit his own personal taste with only one setting and everyone will automatically suit "his ear"!

Of course all the above depends on the transceiver being precisely calibrated to WWV, and I suggest the following:

1. Using the same 1 Khz-step mode only, set WWV upper-sideband on VFO A, and WWV lower-sideband on VFO B so that you can quickly toggle between them. BE SURE to have your RIT cleared to zero! (Alternately, I set WWV 5 Mhz in Memory-channel 1 & 2, 10 Mhz in 5 & 6, 15 Mhz in 9 & 10,

using the gaps between sets so as not to accidentally toggle WWV on two different frequencies, since the transceivers are not absolutely perfect)

2. Now wait for WWV to send their "musical tone" (not preset during some intervals), and simply "tweak" your calibrator until your ear tells you that the two musical tones match, as you toggle quickly between upper and lower sideband. I feel certain that almost everyone has a good enough "ear" to recognize when the tones match!

   By the way, if you thought you were good at tuning in speech properly...try first "tweaking" your calibrator until you think the voice sounds natural (do this before the tone test)...then use the comparative-tone test and see how many cycles you missed.

Any disagreements? 73 W9RWZ

From -109820805543552845
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6dfe1d3ac47e2fe6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 11:38:53 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!van-bc!ubc-cs!uw-beaver!Teknowledge.COM!unix!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: Re^2: Die Hard... laughing, that is!
Message-ID: <18230018@hpfcdj.HP.COM>
Date: 11 Apr 90 18:38:53 GMT
References: <1040@xroads.UUCP>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 7
Posted: Wed Apr 11 19:38:53 1990

Take it to talk.politics.guns, please.

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
myers%hpfcla@hplabs.hp.com               |  sentient life-form on this planet.
```

From 9033345580990563715
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f6623d7c53dca68e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 11:50:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!usc!ucsd!ucbvax!hplabs!hpcc01!hpcuhb!fel
From: fel@hpcuhb.HP.COM (Skip La Fetra)
Newsgroups: rec.ham-radio
Subject: Re: Repeater on Space Station Freedom

Message-ID: <10510007@hpcuhb.HP.COM>
Date: 11 Apr 90 18:50:39 GMT
References: <862@tsdiag.ccur.com>
Organization: Hewlett Packard, Cupertino
Lines: 10
Posted: Wed Apr 11 19:50:39 1990

(Referring to amateur operation on Space Station Freedom)...

> It could
> even be attached to the outside of the station via a large mag-mount,
>
> David E. Tiller davet@tsdiag.ccur.com | Concurrent Computer Corp.

Now that's MOBILE operation!

- Skip KK6HK

From -3780303471411541023
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d5996f821c40dd5f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 15:22:44 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com (DUBE TODD)
Newsgroups: rec.ham-radio
Subject: CAP frequencies
Message-ID: <9004112239.AA03082@ti.com>
Date: 11 Apr 90 22:22:44 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6
Posted: Wed Apr 11 23:22:44 1990

Would someone post the frequencies used by the Civil Air Patrol?

Thanks in advance,
Dube Todd N5PDK

P.S. I don't wanna talk on 'em; just listen to 'em.

From 5553977165969611032
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ff4349ae4aa551b6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 16:43:51 PST
Path: gmdzi!unido!fauern!ira.uka.de!math.lsa.umich.edu!zaphod.mps.ohio-state.edu!
tut.cis.ohio-state.edu!att!hriso!attdso!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Lowfer Dummy Load (was Re: Antenna mounting question)

Message-ID: <645@ssc.UUCP>
Date: 11 Apr 90 23:43:51 GMT
References: <41266@iuvax.cs.indiana.edu>
Organization: SSC, Inc., Seattle, WA
Lines: 10
Posted: Thu Apr 12 00:43:51 1990

In article <41266@iuvax.cs.indiana.edu>, commgrp@silver.ucs.indiana.edu (BACS Data Communications Group) writes:

> Hams report good results using plastic "Weed Eater" (tm) string for
> supporting wire antennas, including 1750m transmitting antennas which
> are somewhat like Tesla coils and very sensitive to insulator leakage.
> Frank Reid   W9MKV   reid@ucs.indiana.edu

What combination of L-R or R-C would simulate the "standard" 160-190 Khz lowfer transmit antenna (15 Meter vertical, with some sort of top hat).

markz@ssc.uucp

From -4598403605940732882
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ddb93e04226c239e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 19:57:22 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!umich!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.ham-radio
Subject: ARF and the other 3950 boys
Keywords: Ham radio is more than CQ Contest
Message-ID: <1269@lopez.UUCP>
Date: 12 Apr 90 02:57:22 GMT
Organization: Great White North/UPLink, Marquette, MI
Lines: 64
Posted: Thu Apr 12 03:57:22 1990

Will Martin, I saw your post, and thought I would give some of my own perspective on the ARF and other nets that can be heard on 3950 khz.

You either love this kind of amateur radio, or you hate it. I love it, obviously, as you can see from MY signature block, I participate in BOTH nets...

3950 has always been a different kind of frequency as long as I can remember. I once wrote an article (It is lost here somewhere) on the frequency that goes back to the 1960's when I first started listening to this fascinating frequency.

The Amateur Radio Forum, with NR9Q began about three years ago as a spinoff of the "Liberty Net" which is also heard on 3950. Jack had an idea for a more organized discussion group which would be topic oriented, and I would say the net has been quite a success, and has grown in concept to become my favorite net. Thursdays at 10 Eastern (9 central, and you can do the rest) the group gets together to discuss current events, and usually one particular topic.

More recently, Jack has begun to have on Guests, and the amateurs checking in can query them. The guests run the gamut of the political spectrum from the Louis Farakan camp to the David Duke camp... From a scientist at the field museum to a honcho from the ACLU.

I want to stress that these nets are NOT broadcasts. The hams are all in "point to point" communication, even though I know there are lots of SWL's tuned in because the nets are so interesting. Some pretty firey discussions have taken place.

ARF is a lot better than your regular "talk show" ... This is because of the nature of ham radio. There is no way to "hang up" on someone, so everyone gets their say, although there is a 3 minute time limit (hey try and get 3 minutes from Larry King!)...

ARF is not the only such net on 3950. You might also want to check out:
Freeman's Net (Thurs 10PM EST) NCS W9OAG
  Devoted to Law, Constitution, History...

Liberty Net (Sat 10PM EST) NCS W1WCR
  Devoted to current events and news

Christian Investigator Net (Mon 10PM EST) NCS WA9D
  (IMHO Neither Christian Nor Investigative, but somewhat muddled)
  A potpouri of somewhat confused religious discussions

Most nights in the late hours, you will hear many discussions on various topics from Psychic Phenomena to Gun Control on 3950. Often the discussions get heated, and it makes for what I consider GOOD HAM RADIO.

3950 is seldom boring. To really sample the frequency before you make up your mind, give it about a week or two of sample tune ins...

And YES you will hear "The Eccentric Old Hippie" from Marquette check in quite often.

When I am there, you will hear USENET discussed. I am the sysadmin of LOPEZ in real life.

```
--
== 14.313 == Amateur Radio Forum Saturday 11:00AM Eastern time == 14.313 ==
==  Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash)  GWN UPLink  ==
==  3.950  Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================
```

```
From -869550210896998738
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,edfd8b5d9deb86ee,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1990-04-11 20:02:59 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!swrinde!
zaphod.mps.ohio-state.edu!samsung!umich!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.ham-radio
Subject: ARF (oops I forgot)
Keywords: 14313
Message-ID: <1270@lopez.UUCP>
Date: 12 Apr 90 03:02:59 GMT
Organization: Great White North/UPLink, Marquette, MI
Lines: 29
Posted: Thu Apr 12 04:02:59 1990

Will, you asked one question that I did not respond to in my previous posting...

The Saturday net on 14.313 is NOT a tape, it is a chance for folks who would not normally hear the net get a chance to participate.

You might realize that running a net on 14.313 is a challenge, since at the moment this frequency is a hot bed of confrontation, but that makes it an ideal place to hold a controvercial discussion group.

Mike WA9D has been trying to take over the frequency several saturdays in a row (THE DOG IS BACK FOLKS....)

Surprisingly there have been some GREAT saturday ARF groups...

Hope some of you folks will check in to the Thursday or Saturday ARF nets... the more the merrier....

Ham radio is a heck of a lot more than "Gud luck in the contest"...

73

Gary, WB8 Equal Opportunity Heckler....

```
--
== 14.313 == Amateur Radio Forum Saturday 11:00AM Eastern time == 14.313 ==
==  Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash)  GWN UPLink  ==
==  3.950  Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================
```

From -7052067946274121766
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e06d6d0324cb102,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 20:08:41 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!zaphod.mps.ohio-state.edu!sunybcs!
uhura.cc.rochester.edu!rochester!udel!udccvax1!sun.acs.udel.edu!rambo
From: rambo@sun.acs.udel.edu (Douglas E Rambo)
Newsgroups: rec.ham-radio

```
Subject: Satellite help wanted
Keywords: Field Day 1990 project
Message-ID: <10134@sun.acs.udel.edu>
Date: 12 Apr 90 03:08:41 GMT
Organization: University of Delaware
Lines: 17
Posted: Thu Apr 12 04:08:41 1990

Hi everyone,
 I have been put in charge of a club project to work some satellite contacts
 this year during Field Day. I have access to about all of the necessary
 equipment (rigs, antennas, etc.) but I'm not too knowledgeable when it comes
 to working the satellites. We (the First State ARC, Wilmington, DEL) will
 probably settle on mode JL on OSCAR 13. I would like to know about anything
 that I should watch for, operating hints, etc. In other words, anything that
 might make this task a little easier for someone who mainly relies on the
 terrestrial modes of propagation at VHF.  Thanks in advance.
                          73's de KA3KHZ

 -----
 Doug Rambo     KA3KHZ                  rambo@sun.acs.udel.edu
 PO Box 126                             KA3KHZ @ WB0JJX.DE.USA.NA
 Claymont, DE 19703

 University Of Delaware Class of Ninety-something


From 9140190553277367608
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d062930a0bf2f211
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 22:50:58 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: How does Novice upgrade in new prop
Message-ID: <30500495@ux1.cso.uiuc.edu>
Date: 12 Apr 90 05:50:58 GMT
References: <34678@genrad.UUCP>
Lines: 29
Nf-ID: #R:genrad.UUCP:34678:ux1.cso.uiuc.edu:30500495:000:1322
Nf-From: ux1.cso.uiuc.edu!phil    Apr 11 15:07:00 1990
Posted: Thu Apr 12 06:50:58 1990


> In article <34678@genrad.UUCP>, dls@genrad.com (Diana L. Syriac) writes:
> > With the new proposal, HOW DOES A NOVICE UPGRADE?  It says that Novices will
> > be grandfathered in....and Techs too, but upgrading from Tech is not the
> > issue.
>
> With a CSCE for element 1A, a Communicator receives Tech. privileges.
>
> So to upgrade from a Novice, you take the Communicator test, and use
```

> your novice license to get a CSCE for element 1A. You then have
> a Technician equivalent, with a clumsy call, being required to use
> the /AC suffix when doing anything beyond the basic Communicator privileges.
>
> markz@ssc.uucp

This proposal by the FCC is basically going to mess up the entire process of licensing hams other than General/Advanced/Extra. Perhaps THAT ITSELF is intended by someone as an incentive to upgrade.

Still, since some people ONLY want the VHF/UHF privileges, they are not interested in "upgrading" but will be stuck with signing some suffix for the rest of their lives unless they got the Tech before the change (if we less this foolish thing go on).

The confusion alone could further reduce the number of new hams entering the hobby.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -2241843057659009620
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f604a,f52e7743d284e802,start
X-Google-Attributes: gidf604a,public
X-Google-Thread: 10c9e3,f52e7743d284e802,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,f52e7743d284e802,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-04-11 22:51:26 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!think!husc6!m2c!jjmhome!cpoint!die
From: die@cpoint.UUCP (David I. Emery)
Newsgroups: rec.ham-radio,rec.radio.shortwave,rec.autos
Subject: Lojack security
Keywords: 173.075 mhz ? Local oscillator radiation, jamming, Faraday cages
Message-ID: <4620@cpoint.UUCP>
Date: 12 Apr 90 05:51:26 GMT
Reply-To: die@cpoint.UUCP (David I. Emery)
Followup-To: rec.ham-radio
Organization: Clearpoint Research Corp., Hopkinton Mass.
Lines: 51
Xref: gmdzi rec.ham-radio:10803 rec.radio.shortwave:955 rec.autos:2968
Posted: Thu Apr 12 06:51:26 1990

In accord with my foolish but "traditional" role as one of the extreme lunatic fringe voices on Usenet who publically speaks the unspeakable about security issues created by clever seeming technology (and finds his articles republished without permission in what seems like almost every hacker/phreak publication as a consequence), I have some questions about Lojack security, now the subject has been broached on rec.ham-radio. (Lojack is a Boston based startup company btw).

Why is it not possible to detect a Lojack equiped car by looking for local oscillator leakage radiation from the command receiver ? I would think thieves would carry suitable receivers with them and either avoid cars radiating on the LO frequency or take special precautions when stealing them (like carting them off in a well shielded enclosed truck - a big Faraday cage). And certainly finding where the Lojack unit was hidden would be easier with a near field sniffer probe and an "S" meter on a receiver tuned to the LO.

And if you know the vehicle is Lojack equiped, why not simply jam the command frequency with a small portable transmitter ? I doubt the command signals from the the Lojack activation sites are anywhere near as powerful as even a few milliwatts radiated right next to the command receiver in the Lojack box (or into the vehicle wiring). And the potential of DF'ing the jamming (and thereby finding the thieves) might be greatly reduced by using lookthrough jamming (only turning the jamming transmitter on for a brief burst when a command packet from the Lojack activation sites is detected). I am sure there are optimum jamming modulations that disrupt the parity on a command packet and render it useless while still retaining a relatively low duty cycle and high off time to on time ratio.

And certainly the well equiped thief would want a receiver tuned to the homing frequency to warn him that the car he was stealing was broadcasting so he could ditch it and get away (after first disconnecting the car battery so the nicad in the Lojack unit would have a chance to run down and stop broadcasting if the police didn't find the car in time).

I suppose the Lojack scheme is useful in the face of these problems because most car thieves aren't very sophisticated. I understand, however, that the kind that steal expensive late model cars (what Lojack aims its marketing at) for parts ("chop shops") are pretty sophisticated and could be expected to use these approaches to defeat the system if it becomes at all common.

But still ...

--

David I. Emery   Clearpoint Research Corp.
35 Parkwood Dr, Hopkinton Ma. 01748 1-508-435-7462
{decvax, cybvax0, mirror}!frog!cpoint!die
{m2c}!jjmhome!cpoint!die,   Internet: die@cpoint.clearpoint.com

From 664505607742093558
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b09b9ccf17e92ef
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-11 23:23:41 PST
Path: gmdzi!unido!mcsun!uunet!deimos.cis.ksu.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu

Newsgroups: rec.ham-radio
Subject: Re: No Code - My two cents worth
Message-ID: <30500496@ux1.cso.uiuc.edu>
Date: 12 Apr 90 06:23:41 GMT
References: <631@gvlv2.GVL.Unisys.COM>
Lines: 33
Nf-ID: #R:gvlv2.GVL.Unisys.COM:631:ux1.cso.uiuc.edu:30500496:000:1432
Nf-From: ux1.cso.uiuc.edu!phil   Apr 11 15:19:00 1990
Posted: Thu Apr 12 07:23:41 1990

> Call signs would be issued based on the mode of operation in order
> to police the bands. i.e. PA3xxxx for Packet License in the 3rd
> call area. CW3xxxx for CW License in the 3rd call area. etc. The
> prefix would designate the mode of operation. Naturally to avoid
> confusion with calls of other countries a complete world-wide
> re-issuance of call signs would be needed.

How about just use calls like WPA3xxxx and WCW3xxxx?

> I think this would appease those who claim "my call is like my name,
> I don't want to change it." (shades of incentive licensing). But,
> just think, if you operate three different modes, you'll have three
> different calls.....just like a - first name - middle name - and
> last name.

So shall I just call you NARATIL?   Or maybe WCW3BNRX?

Also, I would like to add a proposal that allows the use of a set of
very short calls for contest operation. The call W3 would be shared
by all contesters in area 3, for instance. Thus an exchange might
go like:

W3 UR 599 QRZ W9

Surely all contesters will love this since the time it takes to make a
contact will be shorter than ever before. And they can program both
calls into a memory unit just like they do now for the signal report.

Better yet, forget call areas and just go with W.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 7016002222597895543
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ebd7fa11e62df441
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,ebd7fa11e62df441
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-04-12 00:18:36 PST
Path: gmdzi!unido!mcsun!uunet!munnari.oz.au!ditmela!yarra!monu6!steve

```
From: steve@monu6.cc.monash.oz (Steve Balogh)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Litz wire (long)
Message-ID: <1990Apr12.071836.17112@monu6.cc.monash.oz>
Date: 12 Apr 90 07:18:36 GMT
References: <40251@iuvax.cs.indiana.edu> <28533@cup.portal.com>
<3368@optilink.UUCP>
Organization: Chisholm Institute of Technology, Melb., Australia
Lines: 21
Xref: gmdzi sci.electronics:6204 rec.ham-radio:10807
Posted: Thu Apr 12 08:18:36 1990

In article <3368@optilink.UUCP> elliott@optilink.UUCP (Paul Elliott x225) writes:
>coiled kind) and in older telephone handset cords.  It is not the same
>as Litz wire, since the individual conductors are not insulated (although

The individual strands of wire in Litz wire are NOT insulated from each other.
Litz wire is essentially LOTS AND LOTS   A N D   L O T S   of very fine (and
sometimes silver-coated) wire all twisted together. Because of the greater
surface area of such wire, it is supposed to have less impedance at RF
frequencies than normal single strand wire. (or wire with only a few strands)
By the way, Litz wire tends to be VERY flexible as well due to the large number
of strands.

              Steve

----_--_-_-_--_-__-_------_-__---_-___-_----_-____-_-_--__-_--_--___-_-_-_--__-_

Steve Balogh  VK3YMY              | steve@monu6.cc.monash.oz (...oz.au)
Chisholm Institute of Technology  O^O | steve%monu6.cc.monash.oz@uunet.UU.NET
PO Box 197, Caulfield East     U  | ICBM: 37 52 38.8 S  145 02 42.0 E
Melbourne, AUSTRALIA. 3145    \_/ |
+61 3 573 2266 (Ans Machine)           |


From -1137061670981038476
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e5797e7aa3c8ee04
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-12 01:36:27 PST
Path: gmdzi!unido!mcsun!sunic!chalmers!afs-news!utcrt2.utc.chalmers.se!bernerus
From: bernerus@utcrt2.utc.chalmers.se (Christer Bernerus)
Newsgroups: rec.ham-radio
Subject: Re: Maidenhead Grid Square System
Message-ID: <798@vice2utc.chalmers.se>
Date: 12 Apr 90 08:36:27 GMT
References: <3430002@hpqtdla.HP.COM> <23911@usc.edu>
Sender: news@vice2.utc.chalmers.se
Reply-To: bernerus@utcrt2.utc.chalmers.se (Christer Bernerus)
Organization: Chalmers University of Technology, Gothenburg, Sweden.
Lines: 17
Posted: Thu Apr 12 09:36:27 1990
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Oh, mygod, PLEASE dont't re-misuse QRA for the Maidenhead grid locator.

QRA? -> "What is the *name* of your station."

We (here in Europe) have enough confusion already having to live with TWO grid systems (the old one and the new one) The old one originally misnamed the QRA-locator system later renamed the QTH-locator. The new one here sometimes called the QTH-locator, sometimes called WW-loc or LOC on CW.

Chris.

Christer Bernerus (SM6FBQ)   ! E-mail:
University Technology Centre for Andrew (UTC) ! bernerus@utc.chalmers.se
Chalmers University of Technology
S-412 96 Gothenburg SWEDEN

From -7265012102807386061
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8575eef170cc9e62,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-12 06:09:24 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!rutgers!att!cbnewse!waco
From: waco@cbnewse.ATT.COM (john.l.broughton)
Newsgroups: rec.ham-radio
Subject: Re: how to achieve 20WPN ?
Keywords: CW with both hands
Message-ID: <14172@cbnewse.ATT.COM>
Date: 12 Apr 90 13:09:24 GMT
Organization: AT&T Bell Laboratories
Lines: 55
Posted: Thu Apr 12 14:09:24 1990

In an article Diana Syriac writes:

>Something on a similar note.....how normal is it to be able to send code
>with either hand? I generally send code with my RIGHT hand, with an iambic
>keyer set for dashes on the thumb and dits on the forefinger (and yes, I've
>been told by many that I'm backwards!). I am LEFT handed, but I send with
>my RIGHT hand, so I can write with my left hand at the same time, if desired
>(which I sometimes do).

>But, when using someone else's iambic keyer wired the opposite way, I find
>that I can't use it with my right hand....but I CAN use it just slightly
>slower (1-2 wpm slower) with my LEFT hand....still with dashes on the thumb
>and dits on the forefinger. Again, I've tried using my left hand with my
>normal setup...and get confused easily, but with it wired exactly backwards
>from my normal mode, I can send just fine.

I had a right hand, left hand CW sending experience somewhat different from this. Some years ago when I actually used to use CW on the bands, I normally used my Heathkit keyer. However, I thought it was fun to use a straight key and that I should keep up my proficiency with it. However, after being used to the keyer, I had difficulty sending good code with the key. The old right hand just would not work properly. My CW was as good/bad as my handwriting (you wouldn't want to try to copy it). I had a bright idea; why not try my left hand with the key. Much to my amazement, I am not ambidextrous, I was able to send much better code with my left hand. So, for a while when I used CW, I would use my right hand for the keyer and my left hand for the straight key. It worked pretty well for me. This is also a trick that can be used when someone has developed a "bad fist" for CW. It amounts almost to starting over. This offers the advantage of training the other hand correctly. It can also be used to keep new hams from developing the habit of sending CW faster than the ability to receive it. This is quite common. By using the other hand, the speed will be slower, but more closely reflect the receiving ability of the ham. Try it, you might like it!

Alas, I never use CW now, but should start practicing. My main objection to CW is I cannot copy by ear and must write down each character. This probably is a result of my code interceptor MOS in the Army Security Agency when I copied coded number and letter groups at 40 - 45WPM. You don't pick up word copying skills this way, just automatically type the characters on the mill without ever even realizing what you are copying unless you stop to actually read what you have typed. The only exception to not knowing what you were copying was the ever present "QSA ?" inquiries on the net. With it operating 24 hours a day every day of the year, there were a lot of signal strength inquiries!!

John L. Broughton WB9VGJ
AT&T Bell Laboratories
1200 E. Warrenville Rd.
Naperville, IL 60566-7045
(708) 713-4319
john.l.broughton@att.com

From -7506039467570910543
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,940b29b2fc837ef6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-12 06:43:33 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pt.cs.cmu.edu!dsl.pitt.edu!pitt!speedy.cs.pitt.edu!hoffman
From: hoffman@speedy.cs.pitt.edu (Bob Hoffman)
Newsgroups: rec.ham-radio
Subject: Heath Analog Computer (was: Re: INFO-HAMS Digest V90 #389)
Message-ID: <7359@pitt.UUCP>
Date: 12 Apr 90 13:43:33 GMT
References: <9004101930.AA26805@KRONOS.NISD.CAM.UNISYS.COM>
Sender: news@pitt.UUCP

Reply-To: hoffman@cs.pitt.edu (Bob Hoffman)
Organization: Univ. of Pittsburgh Computer Science
Lines: 14
Posted: Thu Apr 12 14:43:33 1990

In article <9004101930.AA26805@KRONOS.NISD.CAM.UNISYS.COM>
doug@NISD.CAM.UNISYS.COM (Doug Hardie) writes:
>Subject: Heathkit catalog
>... However I don't believe the big sloping console analog computer was
>their first. They also made a much smaller analog computer in a rectangular
>box that I used in high school.

I just checked in one of my dusty closets here at Pitt and I found one
of the small ones. It's marked "Heatkit Educational Analog Computer,
Model EC-1". Obviously, we never throw *anything* out!

     ---Bob.
--
Bob Hoffman, N3CVL   {allegra, bellcore, cadre, idis, psuvax1}!pitt!hoffman
Pitt Computer Science   hoffman@cs.pitt.edu

From -5909578544616180855
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b09b9ccf17e92ef
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-12 06:55:19 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!bgsuvax!fyfe
From: fyfe@bgsuvax.UUCP (Bob Fyfe)
Newsgroups: rec.ham-radio
Subject: Re: No Code - My two cents worth
Message-ID: <5653@bgsuvax.UUCP>
Date: 12 Apr 90 13:55:19 GMT
References: <631@gvlv2.GVL.Unisys.COM>
Organization: Bowling Green State University B.G., Oh.
Lines: 15
Posted: Thu Apr 12 14:55:19 1990

From article <631@gvlv2.GVL.Unisys.COM>, by ean@gvlv3.gvl.unisys.com (Ed Naratil):
> Herewith follows my opinion on the so-called "NO CODE LICENSE"
>
> No longer will CW be allowed anywhere in a band.

It sounds like you think all bands (capabilities within the bands) are
created equal.

> Naturally to avoid confusion with calls of other countries a complete
> world-wide re-issuance of call signs would be needed.

I wonder which administrative body would like to tackle that nightmare!

Bob Fyfe
fyfe@andy.bgsu.edu

From -2149427014658271491
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fe2dbd76acb4f9e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-12 07:23:50 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!dogie.macc.wisc.edu!uwvax!astroatc!nicmad!norvax!beams
From: beams@norvax.UUCP (David Beams)
Newsgroups: rec.ham-radio
Subject: Re: Aargh! Want address/info to get Heathkit catalog
Message-ID: <489@norvax.UUCP>
Date: 12 Apr 90 14:23:50 GMT
References: <9004050713.AA04122@ucbvax.Berkeley.EDU>
<1990Apr5.233616.27095@mthvax.cs.miami.edu>
Organization: Norland Corp., Fort Atkinson, WI 53538
Lines: 52
Posted: Thu Apr 12 15:23:50 1990

>
> >As a side issue, does anyone out there know when Heath started? The
> >catalog doesn't say.
>
> Seems to me, Heath started out selling AIRPLANES! The founder
> died in a crash, I recall.
>
> --

A Heathkit catalog I received from them many years ago (maybe 20?) gave a short history of Heath. It said that Heath did indeed begin its corporate life as a vendor of airplane kits, specifically a monoplane called the Heath "Parasol." There is an example of the Parasol on display in the museum of the Experimental Aircraft Association in Oshkosh, Wisconsin. If memory serves me correctly, the article in the catalog indicated that the Heath Parasol was introduced circa 1929 and that Heath turned to electronic kits after World War II. Taking advantage of a glut of war-surplus electronic components, Heath introduced a reasonably-priced oscilloscope kit.

If this chronology is correct, I must wonder what Heath did during the Depression. Was the market for airplane kits sufficiently large during those difficult times to sustain Heath? Or was Heath in another business between the airplane kits and the electronic kits? By the way, the catalog article to which I refer reproduced a photograph of a Parasol in flight.

Could you imagine how the instruction manual for a Heathkit airplane would have been written? Something like:

( ) Attach inner aileron hinge to left wing with 1/4-20 x 1 1/4 bolts, lockwashers, and nuts at locations CA and CB (see Fig. 64a, foldout from page 229). Do not tighten at this time; hardware will be tightened after installation of aileron.

And the first line of the "Operation" section undoubtedly would have read:

Note: Operation of your Heath Parasol requires that you have
a valid pilot's license. Information concerning pilot licensing
may be obtained from any branch of the Federal Aviation Administration.

I wonder if Heath sold their airplane kits with the same slogan--you know,
the one which says:

"We won't let you fail!"

:-) :-) :-) :-) Dave, KK9Y

--
UUCP: ...seismo!uwvax!astroatc!norvax!beams
US Mail: David Beams / Norland Corporation / Fort Atkinson, WI 53538-8999
Registered Professional Thaumaturgist -- Hours by Appointment Only

From -4211838095431754027
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6dfe1d3ac47e2fe6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-12 07:35:29 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!bgsuvax!fyfe
From: fyfe@bgsuvax.UUCP (Bob Fyfe)
Newsgroups: rec.ham-radio
Subject: Re: Die Hard... laughing, that is!
Message-ID: <5654@bgsuvax.UUCP>
Date: 12 Apr 90 14:35:29 GMT
References: <136@km4ba.UUCP>
Organization: Bowling Green State University B.G., Oh.
Lines: 18
Posted: Thu Apr 12 15:35:29 1990

From article <136@km4ba.UUCP>, by alan@km4ba.UUCP (Alan Barrow):
> jim.grubs@w8grt.fidonet.org (Jim Grubs) writes:

> No, California judicial systems that don't lock up criminals with a
> history of violence are what killed those children in Stockton. If
> Patrick Purdy had been left in jail the previous 6 times, they would
> be alive now. (His own mother had him arrested once, and he has
> assaulted police officers before as well)
> Alan Barrow km4ba

Please, PLEASE!!! get this stuff out of rec.ham-radio. As you read above
it is difficult to know that this discussion has anything to do with
ham radio. If you care to continue, please do it via e-mail! I, as others
have also suggested, want to PROMOTE AMATUER RADIO - not discuss guns..

Bob Fyfe

```
fyfe@andy.bgsu.edu
KA8YWQ
```

```
From -5470640266850519829
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d5996f821c40dd5f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-12 08:21:54 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: CAP frequencies
Message-ID: <2016@anasaz.UUCP>
Date: 12 Apr 90 15:21:54 GMT
References: <9004112239.AA03082@ti.com>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 17
Posted: Thu Apr 12 16:21:54 1990

In article <9004112239.AA03082@ti.com> dube@cpdvax.csc.ti.com (DUBE TODD) writes:
]Would someone post the frequencies used by the Civil Air Patrol?
]
]Thanks in advance,
]Dube Todd   N5PDK
]
]P.S.  I don't wanna talk on 'em; just listen to 'em.

143.75, 143.9, 148.15, 149.925




--
John Moore (NJ7E)           mcdphx!anasaz!john asuvax!anasaz!john
(602) 951-9326 (day or eve) long palladium, short petroleum
7525 Clearwater Pkwy, Scottsdale, AZ 85253
Support ALL of the bill of rights, INCLUDING the 2nd amendment!
```

```
From 2231983455224983745
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fb07436256ebba91
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-12 08:40:43 PST
Path: gmdzi!unido!mcsun!uunet!ibmarc!n6tfx.almaden.ibm.com!singer
From: singer@n6tfx.almaden.ibm.com (David Singer)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood 721 Display Upgrade
Summary: 9 days, order to receipt
Message-ID: <1500@ks.UUCP>
Date: 12 Apr 90 15:40:43 GMT
References: <724@west.West.Sun.COM> <7870002@hplred.HP.COM>
```

Sender: news@ibmarc.UUCP
Reply-To: singer@ibmarc.uucp (David Singer)
Organization: IBM Almaden Research Center
Lines: 9
Posted: Thu Apr 12 16:40:43 1990

I ordered two upgrades on April 2; they arrived on April 11th, UPS brown label. Read the instructions *carefully* -- they shipped a revised page two with mine.

Now to find the time to install them....

```
--
David Singer (singer@ibm.com, SINGER at ALMADEN, n6tfx@n6tfx.ampr.org,
              N6TFX @ N6LDL.#NOCAL.CA.USA, ...uunet!ibmarc!singer, or
              (408) 927-2509 -- take your pick!  Opinions are mine.)
```

From 9081627903894433748
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f52e7743d284e802
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-12 08:41:01 PST
Path: gmdzi!unido!mcsun!ukc!newcastle.ac.uk!turing!q1ssd
From: C.Dennison@newcastle.ac.uk (C. Dennison)
Newsgroups: rec.ham-radio
Subject: Re: Lojack security
Keywords: 173.075 mhz ? Local oscillator radiation, jamming, Faraday cages
Message-ID: <1990Apr12.154101.19146@newcastle.ac.uk>
Date: 12 Apr 90 15:41:01 GMT
References: <4620@cpoint.UUCP>
Sender: news@newcastle.ac.uk
Organization: Computing Laboratory, U of Newcastle upon Tyne, UK NE17RU
Lines: 16
Posted: Thu Apr 12 16:41:01 1990

In article <4620@cpoint.UUCP> die@cpoint.UUCP (David I. Emery) writes:
>
>   In accord with my foolish but "traditional" role as one of the
>extreme lunatic fringe voices on Usenet who publically speaks the unspeakable
>about security issues created by clever seeming technology (and finds
>his articles republished without permission in what seems like almost every
>hacker/phreak publication as a consequence), I have some questions about
>Lojack security, now the subject has been broached on rec.ham-radio.
>(Lojack is a Boston based startup company btw).
>

What is a btw?

```
+ Computing Science Dept, University of Newcastle | All opinions expressed     +
+ Newcastle upon Tyne, UK, NE1 7RU (091 265 2486) | are mine and mine alone!   +
+ ARPA: C.Dennison@newcastle.ac.uk                |      Chris Dennison        +
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
```

From 4761445848352011545
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f52e7743d284e802
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-12 08:46:12 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!agate!shelby!neon!kaufman
From: kaufman@Neon.Stanford.EDU (Marc T. Kaufman)
Newsgroups: rec.ham-radio
Subject: Re: Lojack security
Keywords: 173.075 mhz ? Local oscillator radiation, jamming, Faraday cages
Message-ID: <1990Apr12.154612.29157@Neon.Stanford.EDU>
Date: 12 Apr 90 15:46:12 GMT
References: <4620@cpoint.UUCP>
Organization: Computer Science Department, Stanford University
Lines: 17
Posted: Thu Apr 12 16:46:12 1990

In article <4620@cpoint.UUCP> die@cpoint.UUCP (David I. Emery) writes:

>...I have some questions about
>Lojack security, now the subject has been broached on rec.ham-radio.
>(Lojack is a Boston based startup company btw).

[several methods of defeating Lo-Jack car-finding, ...deleted]

The trouble with being technical is that we miss the true essence of the Lo-Jack invention. The purpose of Lo-Jack (company) is to create a lot of consumer interest, make a great splash, go public, and get out with a lot of money, Surely, David, living in Boston should make you more sensitive to that... :-)

There is more than one way to make money on stolen cars.

Marc Kaufman (kaufman@Neon.stanford.edu)

From 2939564856882610084
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e262d5a3bccf1a93,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-12 09:29:25 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: Lowfer dummy load
Message-ID: <41627@iuvax.cs.indiana.edu>
Date: 12 Apr 90 16:29:25 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 24
Posted: Thu Apr 12 17:29:25 1990

>In article <41266@iuvax.cs.indiana.edu>, commgrp@silver.ucs.
>indiana.edu writes:
>>Hams report good results using plastic "Weed Eater" (tm) string for
>>supporting wire antennas, including 1750m transmitting antennas which
>>are somewhat like Tesla coils and very sensitive to insulator leakage.
>>Frank Reid   W9MKV   reid@ucs.indiana.edu

>What combination of L-R or R-C would simulate the "standard" 160-190
>Khz lowfer transmit antenna (15 Meter vertical, with some sort of top
>hat).
>markz@ssc.uucp

Most lowfer transmitters are designed for 50 ohm output; ordinary dummy loads work. Very roughly, a 30-foot vertical with 20'tophat might look like 400 pf in series with 75 ohms, and require 1.8 mh to resonate. Loading coils are usually coupled to the transmitter by a tap or link, and are tuned with a variometer (a few turns on a rotatable form inside the main coil, such that their inductance adds or subtracts from the total inductance).

--

Frank   W9MKV   reid@ucs.indiana.edu

From -3834220794650955354
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e23d8df49c00ece
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-12 09:52:05 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: how to achieve 20WPM ?
Message-ID: <1250143@hpnmdla.HP.COM>
Date: 12 Apr 90 16:52:05 GMT
References: <7785@b11.ingr.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 17
Posted: Thu Apr 12 17:52:05 1990

Two comments on learning code and passing the code test:

A very effective way to get your speed up is to get involved with CW traffic handling. This way you actually get practice copying ON PAPER rather than just in your head. If you don't know the frequency of your local section traffic net, ask your ARRL section manager (address in the front of every issue of QST).

When you take the test, there is a little-known clue that can help you figure out the parts you missed. Every letter, number and standard punctuation mark must be used at least once in the text. If you copy a callsign as WA_XYZ and you can see that no other 6's have been used in the text, then you know it must be WA6XYZ. Ditto for letters. The unusual letters (Q, X, Z) are hard to use in the text so usually end up on one of the callsigns.

Al N1AL

From 4937351013677913168
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a396e7f895681809,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-12 10:27:07 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Trunk-mountable mobile rigs and car thieves
Message-ID: <1250144@hpnmdla.HP.COM>
Date: 12 Apr 90 17:27:07 GMT
References: <33994@shemp.CS.UCLA.EDU>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 9
Posted: Thu Apr 12 18:27:07 1990

Re: trunk-mounted radios.

I have an old Drake UV-3 144/220/440 MHz radio with romote control head option. It allowed me to mount the rather large radio in my Volkswagen beetle under the rear seat next to the battery (short power leads) with the control head mounted in the glove box. I put a lock on the glove box so that, not only is the unit hard to see, it's hard to get to.

Al N1AL

From -5527362989758502445
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16471454712f7dbf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-12 10:43:23 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Vacuum tubes
Message-ID: <1250145@hpnmdla.HP.COM>
Date: 12 Apr 90 17:43:23 GMT
References: <4300@zehntel.UUCP>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 18
Posted: Thu Apr 12 18:43:23 1990

> As far as present uses, probably not many- sockets are difficult,
> if not impossible to find, and there are better tubes available
> in terms of ease of biasing, stability, etc. (these tubes, because
> of their construction, DO NOT lend themselves to Grounded- Grid
> operation, thus presenting problems with instability).

Many years ago, (like 20!) I built a grounded-grid linear using a pair
of 304TL's. It was a single band unit designed to generate around 1000W
at 3 MHz for an experiment being done by a grad student in the Physics
Dept at Wesleyan Univ (Conn) where I was a student at the time.

I don't remember what we did to stabilize it, but I don't think it was
anything special. I do remember the power supply was a surplus unit
rated at 1800 Volts 1+ Amps REGULATED. (C-V transformer)
It took 4 men and a boy to lift the power supply, but it worked great.

Al N1AL

From -420469036846350594
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,667803b24b2c8c6b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-12 11:34:56 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!rochester!rit!cci632!ccird1!dls
From: dls@ccird1.uucp (Darren Swartzendruber)
Newsgroups: rec.ham-radio
Subject: IC-02AT mods
Message-ID: <DLS.90Apr12133456@ccird1.uucp>
Date: 12 Apr 90 18:34:56 GMT
Sender: dls@cci632.UUCP
Distribution: rec
Organization: Computer Consoles Inc. an STC Company, Rochester, NY
Lines: 13
Posted: Thu Apr 12 19:34:56 1990

Can someone enlighten me to the various IC-02AT mods out there?

Thanks.
--

```
Darren Swartzendruber       CCCCCCCCCCC CCCCCCCCCCC IIIIIIIII
   KB2JJO                   CC       CC CC       CC II      II  COMPUTER
                            CC  CCC  CC CC  CCC  CC IIII  IIII  CONSOLES,
dls@cci632.UUCP             CC  CCCCCCC CC  CCCCCCC IIII  IIII  INCORPORATED
rochester!rit!cci632!dls    CC  CCC  CC CC  CCC  CC IIII  IIII
uunet!ccicpg!cci632!dls     CC       CC CC       CC II      II  An STC Company
uunet!rlgvax!cci632!dls     CCCCCCCCCCC CCCCCCCCCCC IIIIIIIII
```

From 6479983914222506001

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aac96682e5caf326,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,aac96682e5caf326,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-04-12 12:36:29 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!zaphod.mps.ohio-state.edu!math.lsa.umich.edu!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Worlds Best Scanner ANntenna and who REALLY makes it
Keywords: oops
Message-ID: <1272@lopez.UUCP>
Date: 12 Apr 90 19:36:29 GMT
Followup-To: rec.radio.shortwave
Organization: Great White North/UPLink, Marquette, MI
Lines: 42
Xref: gmdzi rec.radio.shortwave:957 rec.ham-radio:10814
Posted: Thu Apr 12 20:36:29 1990

There be egg on this hoser's face. My recent posting regarding the MONITENNA model 5094 stated it is made by Motorola.

This is, of course, wrong. I was brain dead at the time of posting, and am not responsible for my actions.

The antenna is made by CHANNEL MASTER.

It is STILL the best scanner antenna you can buy. it runs rings around a $100 discone (albeit without the wide bandwidth, but in practice it picks up just dandy on frequencies that are not listed in its coverage specs)

The antenna is $40 from a dealer here, I am sure you can find it anywhere now that you know who REALLY makes it. (or write me and I can give you tha name of the local dealer who will mail it to you)

Sorry for the confusion.

I now have TWO of these antennas. I am getting stuff I never knew existed before. I have them at 40 feet and all I can say is WOW....

(Grove's catalog says it is the best antenna, but Grove does not ship it because it is so big, about 5 feet, but it goes fine UPS, I guess Grove's problem is finding storage space)

The antenna comes like an umbrella and includes all hardware, even comes with coax and a plug.

It is a MOTOROLA plug. I think that is where the brain files got linked, and I gave the wrong manufacturer.

Will you EVER forgive me....

Duh.
ZZ

--
== 14.313 == Amateur Radio Forum Saturday 11:00AM Eastern time == 14.313 ==
== Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash) GWN UPLink ==
== 3.950 Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================

From 3552811501073428021
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ebd7fa11e62df441
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,ebd7fa11e62df441
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-04-12 15:35:08 PST
Path: gmdzi!unido!mcsun!uunet!samsung!dali!ogicse!zephyr.ens.tek.com!wrgate!midas!jeffw
From: jeffw@midas.WR.TEK.COM (Jeff Winslow)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Litz wire (long)
Message-ID: <2243@wrgate.WR.TEK.COM>
Date: 12 Apr 90 22:35:08 GMT
References: <40251@iuvax.cs.indiana.edu> <28533@cup.portal.com> <3368@optilink.UUCP> <1990Apr12.071836.17112@monu6.cc.monash.oz>
Sender: news@wrgate.WR.TEK.COM
Reply-To: jeffw@midas.WR.TEK.COM (Jeff Winslow)
Followup-To: sci.electronics
Organization: Tektronix, Inc., Beaverton, OR.
Lines: 22
Xref: gmdzi sci.electronics:6222 rec.ham-radio:10820
Posted: Thu Apr 12 23:35:08 1990

In article <1990Apr12.071836.17112@monu6.cc.monash.oz> steve@monu6.cc.monash.oz (Steve Balogh) writes:

>The individual strands of wire in Litz wire are NOT insulated from each other.
>Litz wire is essentially LOTS AND LOTS   A N D   L O T S   of very fine (and
>sometimes silver-coated) wire all twisted together. Because of the greater
>surface area of such wire, it is supposed to have less impedance at RF
>frequencies than normal single strand wire.

Oh, really? And how can it have greater (electrical) surface area if all the surfaces are in electrical contact? What keeps the current inside the fine wires and away from the bundle's surface? (Especially if it's silver plated.)

Maybe usage varies in different parts of the world, but around here Litz wire is most definitely made up of many fine wires all enamel-insulated from each other, with each wire brought out to the surface periodically. I had a funny feeling about this, due to some unanswered questions about proximity effect (my experience with Litz wire has been limited to few experimental switching-supply designs), so I looked it up in a couple of electronics dictionaries as well. They both indicated specifically that the wires are individually insulated.

Jeff Winslow

From -3304309499713479306
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d5996f821c40dd5f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-12 19:15:40 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!dali!milton!uw-beaver!Teknowledge.COM!unix!hplabs!hpda!hpcupt1!bmp
From: bmp@hpcupt1.HP.COM (Brian M. Perkin)
Newsgroups: rec.ham-radio
Subject: Re: CAP frequencies
Message-ID: <7120115@hpcupt1.HP.COM>
Date: 13 Apr 90 02:15:40 GMT
References: <9004112239.AA03082@ti.com>
Organization: Hewlett Packard, Cupertino
Lines: 9
Posted: Fri Apr 13 03:15:40 1990

148.150 Narrow FM, Baudot RTTY, Two-tone sequential pagers
123.10 AM
4.585 SSB

We don't have a lot of frequencies so some are multi-purpose.

There are others, but these are the most common in California.

Brian Perkin

From -6580836723294564331
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f083d4acde49e477
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-12 22:29:00 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!mit-eddie!bu.edu!mirror!frog!john
From: john@frog.UUCP (John Woods)
Newsgroups: rec.ham-radio
Subject: Re: beginner projects for radio amateurs
Summary: addenda; more sources
Keywords: simple rcvrs & transmitters; where to get parts
Message-ID: <13843@frog.UUCP>
Date: 13 Apr 90 05:29:00 GMT
References: <7784@b11.ingr.com> <13693@frog.UUCP>
Organization: Misanthropes-R-Us
Lines: 61
Posted: Fri Apr 13 06:29:00 1990

Some additional information, as promised:

Radiokit (store is located at:)
P.O.Box 973 15 Londonderry Rd.
Pelham NH 03076 Londonderry NH 03053
(603) 437-2722
No minimum ($3 service charge if under $20), many kits, lots of J. W. Miller chokes & coils, B&W coils, RF switches, Millen variable capacitors, lots of parts in general. They seem to want $1 for the catalog.

BCD Electro
P. O. Box 450207
Garland TX 75045-0207
(214) 343-1770
$1 for 1-year subscription to catalogs, no minimum, $0.95 for under $30, $2.90 shipping. Surplus electronics, pretty random looking assortment. I haven't ordered from them (yet).

Oak Hills Research
P.O.Box 250
Luther MI 49656
This is W1FB (Doug Demaw). Send a SASE for a flyer. When last I got a flyer, he had a number of random parts aimed at QRP rig building; he also has a couple of kits for QRP transmitters.

Newark Electronics
Send catalog requests to:
Newark Electronics
ATTENTION CATALOG DEPARTMENT
4801 N. Ravenswood Ave.
Chicago IL 60640-4496
They don't have a single mail address or phone; instead, one is supposed to call the closest of three pages worth of branch offices. I don't feel like typing in the entire list (it's copyrighted, anyway :-), so send email for your "local" distributor, or you can try calling one of the above numbers... They have a $25 minimum order; while they are a Real Distributor, and are probably most comfortable with gigantic orders, they say they welcome every customer, regardless of size, and were certainly happy to take my $30 order recently. They carry LOTS of stuff; in particular, semiconductors from Motorola, RCA, Sprague, TI, American Power Devices, Fagor, GE, International Devices INC, Intersil, International Rectifier, Precision Monolithics, Powerex, and others. They are very complete, except, of course, for my favorite scarce item, the air-variable capacitor...

And lastly, check out

NUTS & VOLTS MAGAZINE
P. O. Box 1111
Placentia CA 92670
1-800-783-4624 (subscriptions)
~80 pages each month of nothing but electronics classified ads. Individual issues are $2.00 (at least, that's the price on the cover), subscriptions are (third class mail, USA:) $12/1 year, $21/2 years, $60/life, (first class

mail USA) $20/1 year, (Canada/Mexico) US$22, (other foreign, air mail) US$55.
A subscription also entitles you to one free classified ad of 40 words.

I think I've run out. Anyone else?

--
John Woods, Charles River Data Systems, Framingham MA, (508) 626-1101
...!decvax!frog!john, john@frog.UUCP, ...!mit-eddie!jfw, jfw@eddie.mit.edu

From -2258815385664526051
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e23d8df49c00ece
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-13 00:26:09 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: how to achieve 20WPM ?
Keywords: this really is about increasing cw speed :-)
Message-ID: <24073@usc.edu>
Date: 13 Apr 90 07:26:09 GMT
References: <7785@b11.ingr.com> <23929@usc.edu> <391@foobar.hf.intel.com>
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 15
Posted: Fri Apr 13 08:26:09 1990

In article <391@foobar.hf.intel.com> jim@foobar.UUCP (WA7LDV) writes:
>In article <23929@usc.edu> kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
>>It's just that simple. You'll find that the fastest people are in the
>>novice band. The next fastest are in the general class portion, just
>>above the extra class portion.
>Not in my experience. The fastest have always been in the bottom 25 kc.
>or just above there.

In my experience, the only place to find people using 40 wpm+ cw is in
the US novice bands. These people are not necessarily novices. Also
IMHO, the people just above the US extra CW only bands usually are going
about 20-30 wpm. I have found most extras creeping along at only 15-18
wpm, in the extra CW only bands.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From -4665178836248518755
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d5996f821c40dd5f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-13 04:46:37 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!husc6!genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio

```
Subject: Re: CAP frequencies
Message-ID: <35234@genrad.UUCP>
Date: 13 Apr 90 11:46:37 GMT
References: <9004112239.AA03082@ti.com>
Sender: news@genrad.UUCP
Reply-To: dls@genrad.UUCP (Diana L. Syriac)
Organization: GenRad, Inc., Concord, Mass.
Lines: 21
Posted: Fri Apr 13 12:46:37 1990

In article <9004112239.AA03082@ti.com> dube@cpdvax.csc.ti.com (DUBE TODD) writes:
>Would someone post the frequencies used by the Civil Air Patrol?
>
>P.S.  I don't wanna talk on 'em; just listen to 'em.

Well, it's probably ok to LISTEN on them....just be sure you realize that
it is illegal to transmit on them unless you are a member of the Civil Air
Patrol AND you have a CAP ROP card.  Keep in mind the frequencies are used
for communications for search and rescue (among other things), so interference
would be troublesome.

148.15, 143.9, 149.925, 26.62

There are a couple others, but I don't have my papers handy and the one used
the most (around here....not necessarily country wide) is 148.15.


->Diana L. Syriac   CAP: SM, Freedom 690 Mobile    Ham: KC1SP(1 super pilot)<-
->USmail:   GenRad Inc., Mail Stop 6, 300 Baker Ave, Concord, Mass.  01742  <-
->usenet:   {decvax,mit-eddie}!genrad!dls      or dls@genrad.com
         <-
->tel:       (508) 369-4400 x2459    I'D RATHER BE FLYING!!!
             <-


From -457329280710361566
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,926e9b850ea70ba6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-13 06:28:13 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!att!cbnewsh!afy
From: afy@cbnewsh.ATT.COM (alan.f.yorinks)
Newsgroups: rec.ham-radio
Subject: WB2OPA LogMaster Demo at Dayton
Message-ID: <9576@cbnewsh.ATT.COM>
Date: 13 Apr 90 13:28:13 GMT
Organization: AT&T Bell Laboratories
Lines: 25
Posted: Fri Apr 13 14:28:13 1990


The WB2OPA LogMaster HF logging system for IBM PCs and compatibles will
be demo'ed at the Sensible Solutions booth (#474), at the Dayton HamVention.
```

Amongst its many features are

- o Automatic beam headings.
- o QSO alert indicator to tell you if you need the QSO based on country, state, prefix, cq zone, itu zone or any combination for the current frequency and mode.
- o Auto dupe checking.
- o Metric to english/ english to metric conversion calculator.
- o Prints high quality QSL cards.
- o Keeps award statistics.
- o User configurable.
- o And much, much more.

Please drop by and say hello!

From -7841186347143024134
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,de399186eea91d59,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-13 07:50:26 PST
Path: gmdzi!unido!mcsun!uunet!samsung!cg-atla!weber
From: weber@cg-atla.agfa.com (Jeff Weber)
Newsgroups: rec.ham-radio
Subject: WANTED: ALL band Portable Receiver
Message-ID: <8595@cg-atla.agfa.com>
Date: 13 Apr 90 14:50:26 GMT
Reply-To: weber@cg-atla.UUCP (Jeff Weber)
Organization: Agfa Compugraphic Division
Lines: 28
Posted: Fri Apr 13 15:50:26 1990

(sorry for any violations to this net's protocol)

WANTED:

Portable all-band receiver (like the old Zenith Trans-Oceanic)
Should be rugged and run off internal batteries.
Ability to run off external 12vdc (ship's power) would be a plus.
Normal broadcast FM, common short wave and ham freq a must.
Marine VHF would be a plus but not required.

I will use it for entertainment and WWV reception this summer on my summer off from work (gone sailing).

I'm not able to find too many reasonable NEW ones about. I know about
Radio Shack at $200 & $90 but have always been underwelmed by their products.
Their $200 radio seems ok, but not great (not at $200).

Offers & ideas......

Jeff Weber
(508)658-0200 x7026
(603)431-6057 home
weber@cg-atla.afga.com
uunet!samsung!cg-atla!weber
wang!cg-atla!weber

From -8944103760301696928
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ebd7fa11e62df441
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,ebd7fa11e62df441
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-04-13 08:40:56 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Litz wire (long)
Message-ID: <41761@iuvax.cs.indiana.edu>
Date: 13 Apr 90 15:40:56 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 68
Xref: gmdzi sci.electronics:6236 rec.ham-radio:10835
Posted: Fri Apr 13 16:40:56 1990

>In article <1990Apr12.071836.17112@monu6.cc.monash.oz>
>steve@monu6.cc.monash.oz (Steve Balogh) writes:
>>The individual strands of wire in Litz wire are NOT insulated from
>>each other. Litz wire is essentially LOTS AND LOTS AND LOTS
>>of very fine (and sometimes silver-coated) wire all twisted
>>together. Because of the greater surface area of such wire, it is
>>supposed to have less impedance at RF frequencies than normal single
>>strand wire.

Jeff Winslow replies:
>Oh, really? And how can it have greater (electrical) surface area if
>all the surfaces are in electrical contact? What keeps the current
>inside the fine wires and away from the bundle's surface? (Especially
>if it's silver plated.)

>Maybe usage varies in different parts of the world... I looked it up
>in a couple of electronics dictionaries as well. They both indicated

>specifically that the wires are individually insulated.

Stranded wire has less skin-effect resistance than the equivalent solid wire, but much more than true litz wire with individually-insulated strands.

Some large/expensive stereo speaker cables are being marketed as "Litz" and are made of many very fine (but not individually insulated) strands.

Skin-effect resistance can be significant in large-diameter conductors at audio frequencies. Whether it makes noticeable difference over the length of speaker cables is another interminable argument for rec.audio (like the one about mercury-filled plastic tubes which were supposed to give your speakers a more "fluid" sound. :-)

Here's a list of AWG copper wire sizes and their "critical frequencies" (frequency above which skin effect causes resistance to be significantly greater than DC resistance). I don't know the criteria for "significantly greater." The table partially reproduced below was in the Canadian LF/VLF newsletter _Northern Observer_ issue #9 (April 1989).

AWG size	dia. mm	critical freq.
1	7.35	586 Hz
2	6.54	738
4	5.19	1017
6	4.12	1.87 kHz
8	3.26	2.97
10	2.59	4.72
12	2.05	7.50
14	1.63	11.9
16	1.29	19.0
20	.812	48.0
22	.644	76.3
28	.321	307
32	.202	775
36	.127	1.96 MHz
40	.080	4.96

In addition to skin effect, wire resistance can increase by "proximity effect" where a strong magnetic field forces the current toward one side of the conductor. That's a reason why some cyclotron magnets are wound with flat "wire."

--

Frank Reid   W9MKV   reid@ucs.indiana.edu

From -4155557920951652495

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d5996f821c40dd5f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-13 10:18:23 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!elroy.jpl.nasa.gov!jato!mars!
hammock
From: hammock@mars.jpl.nasa.gov (Randy Hammock)
Newsgroups: rec.ham-radio
Subject: Re: CAP frequencies
Message-ID: <3384@jato.Jpl.Nasa.Gov>
Date: 13 Apr 90 17:18:23 GMT
References: <9004112239.AA03082@ti.com> <35234@genrad.UUCP>
Sender: news@jato.Jpl.Nasa.Gov
Reply-To: hammock@mars.UUCP (Randy Hammock)
Organization: Jet Propulsion Laboratory, Pasadena, CA.
Lines: 8
Posted: Fri Apr 13 18:18:23 1990

As I recall, an easy way to get the 26.62 frequencies was to use an old
crystal controlled CB radio and swap the channel 10 Tx and Rx crystals.
(I used to be communications officer for our squadron back in Virginia.)

AMIGA /// | hammock@mars.jpl.nasa.gov  Telos - Jet Propulsion Laboratory - NASA
     ///  |          KC6HUR              >>> Space reseved for future use <<<
 \\\///   |------------------------------------------------------------------
  \XX/ C= |     "When I want your opinions, I'll give them to you!" - Mock


From -8337252011000460766
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b09b9ccf17e92ef
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-13 10:29:01 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!
jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: No Code - My two cents worth
Message-ID: <3eukH1w161w@w8grt.fidonet.org>
Date: 13 Apr 90 17:29:01 GMT
References: <30500496@ux1.cso.uiuc.edu>
Organization: QRV de W8GRT
Lines: 12
Posted: Fri Apr 13 18:29:01 1990

phil@ux1.cso.uiuc.edu writes:

> W3 UR 599 QRZ W9
>
> Surely all contesters will love this since the time it takes to make a
> contact will be shorter than ever before.  And they can program both
> calls into a memory unit just like they do now for the signal report.
>
```

> Better yet, forget call areas and just go with W.

Well, we could have the letter 'K' followed by your first and last initial, followed by your Zip code. [:-)

From 702457914597625161
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e23d8df49c00ece
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-17 13:38:17 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!IDA.ORG!roskos
From: roskos@IDA.ORG (Eric Roskos)
Newsgroups: rec.ham-radio
Subject: Re: how to achieve 20WPM ?
Keywords: this really is about increasing cw speed :-)
Message-ID: <1990Apr17.013630.17903@IDA.ORG>
Date: 17 Apr 90 01:36:30 GMT
References: <7785@b11.ingr.com>
Organization: IDA, Alexandria, VA
Lines: 28
Posted: Tue Apr 17 02:36:30 1990

bill@b11.ingr.com (Bill Welch) writes:

>I have spent a lot of time trying to increase my speed, and
>am not too pleased with the results.

One thing to bear in mind: if you are trying to work "up" to a certain speed you may be going at it the wrong way. You need to form a mental mapping between the sounds and the letters being received or sent, independent of any mnemonic device. If you use any sort of mnemonic device to remember the code, or you have to "think" at any time about it, there will be a much lower upper-bound on the fastest speed you can recognise or send. It is like reading; you don't spell out each word individually and figure it out from that, you recognize each word by its pattern. This is why people say "the only way to do it is to practice," because with practice you make this association.   But you can learn faster if you start out by consciously avoiding doing anything that will hinder you later.

My personal opinion (yours may differ :-)) is that you should start out learning the code fast. This prevents you from using any mental "crutches" or mnemonic devices and forces you to form the group associations from the start. Otherwise you are likely to (possibly unwittingly) learn memory-aids that won't work above a certain speed.

--
Eric Roskos (roskos@IDA.ORG or Roskos@DOCKMASTER.NCSC.MIL)

"Mike and Angelo painted sixteen chapels lying on their backs."

From -8730549720161268194
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc2fde818bec2f65,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-17 15:33:09 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!LEHIGH.BITNET!TWB0
From: TWB0@LEHIGH.BITNET ("Thomas Brown, KA2UGQ ", Lehigh University)
Newsgroups: rec.ham-radio
Subject: ICOM computer interface info
Message-ID: <9004170705.AA25922@ucbvax.Berkeley.EDU>
Date: 17 Apr 90 07:05:24 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 544
Posted: Tue Apr 17 08:05:24 1990
X-Unparsable-Date: SUN APR 15, 1990 22.17.25 EST

Subject: ICOM computer interface protocol (long)
From: carlc@tekgen.TEK.COM (Carl Clawson)
Date: 15 Mar 88 21:51:28 GMT
[Via KA2UGQ]

A recent poster inquired about the computer interface on the newer ICOM rigs. I recently got my hands on the information, and I thought I'd pass it along to the net.

I will be glad to hear about any corrections or additions to this material. I have not extensively tested all of these codes -- my trusty KAYPRO went to lunch on me in the middle of the job -- so there may be some "gotchas" that I haven't yet discovered. I have tested enough of them to be reasonably sure that I know what's going on.

73 de

Carl Clawson, N7KBV | Tektronix Laboratories
(503) 627-6304 | carlc@tekgen.CSC.TEK.COM

------------------------------ cut here --------------------------------

Computer Control of ICOM Amateur Gear

Carl Clawson, N7KBV

General Description

Several ICOM products feature a built-in computer interface connected to a 1/8" phone jack on the rear panel. However, ICOM gives no information about this interface in the instruction manuals that I've seen. The information exists within ICOM, and my dealer managed to get it for me.

This interface, called the "CI-V" by ICOM, is standard on the following models: 735, 761, 275, 375, 475, and R7000. Earlier models used the CI-IV parallel interface, which can be connected to CI-V by ICOM's UX-14 converter. Models using the CI-IV are the 751, 271, 471, 1271, and R71. The information I got from ICOM was written with the 735 in mind, but a listing of a BASIC program to control the R7000 was appended. I believe it will help with the other models, too. The control codes and data format should be the same for all of them.

The computer interface allows you to do such things as:

- Set and read the frequency and modulation mode

- Set VFO A, VFO B, or memory mode

- Select memory channel

- Store displayed frequency into memory

- Transfer displayed memory-mode frequency to a VFO

Even without a computer, you can run a cable between the remote control jacks of two rigs, and whenever the frequency or modulation mode of either is changed, the other will track it if possible. (If the rigs have incompatible frequency coverages, like the 735 and R7000, funny things can happen.)

The interface is bi-directional, using TTL levels on a single line for sending and receiving serial ASCII data. You may need an appropriate hardware interface to convert, for example, RS232 to TTL. (I understand that Commodore computers have TTL inputs and outputs so that no interface is needed with them.) I used the Motorola MC1488 and MC1489 chips powered by two 9-volt batteries to interface to my RS232 line. Appendix 1 lists the pinouts used for this interface. If you'd rather buy something, ICOM sells the model CT-17 level converter for RS232.

The interface uses a "carrier-sense, multiple-access with collision detection" local area network protocol, so that multiple rigs can be connected in parallel without difficulty. Thus, you can use the same RS232 line and level-converter interface to control many rigs. Each rig must have a unique address, which is set by internal jumpers. Each model comes factory preset to its own address, which is 04 for the 735 and 08 for the R7000. Appendix 2 has information on the jumper settings.

I will use the words "receive" and "send" to refer to data transmission. Thus a "receiver" isn't necessarily an R7000; it's any device receiving data from the CI-V bus. I will use the word "rig" to mean an ICOM product using the CI-V interface.

Data Format

The rigs send and receive data in variable length packets, which are formatted as follows:

Byte #	Contents
1	hex 'FE' (i.e. 11111110 binary, 254 decimal)
2	hex 'FE'
3	<RX>
4	<TX>
5	<Code>
6-n	<BCD data of variable length>
n+1	hex 'FD'

The two hexadecimal FE bytes signal the beginning of a packet, and the FD byte signals the end. <Code> is the control code sent by the computer to the rig, which determines the action that the rig will take. In some cases, the receiving rig will include a control code in its response to the sender; see the section "Control Codes and Responses" below. <TX> is the address of the device sending the data, and <RX> is the address to which the data is being sent. When a rig responds to a data packet, it addresses that response to the <TX> in the packet. Thus, if your computer requests a rig to report its frequency, it will address that report to the computer and other rigs will ignore the data.

(Of course, the computer can lie about its address and trick one rig into talking to another!) Your computer should use its own unique, non-zero address on the network. I will assume in the examples that the computer is at address 02. There are two control codes that can cause any rig on the network to respond when sent with <RX>=0; I discuss these below.

Bytes #6 through #n contain any data required by the control code, in BCD format with 2 decimal digits per byte. Frequency data is sent starting with the byte containing the 1-Hz and 10-Hz digits. These digits are sent even if they are not used by the rig, so that the data format is the same for all rigs regardless of their frequency coverage and resolution. For example, consider the frequency 25.13244 MHz. This is broken up into two-digit groups:

```
25  13  24  40
```

It is then coded in BCD. In other words, consider each digit group to be a hexadecimal number instead of decimal. The decimal values of these BCD digit groups are 2x16+5=37, 1x16+3=19, 2x16+4=36, and 4x16+0=64. Now send these groups, starting with the least significant. The complete data packet will be, in hexadecimal,

```
FE  FE  <RX>  <TX>  <Code>  40  24  13  25  FD
```

If you have more than one rig on the network you may occasionally receive a sequence of 5 bytes of hex 'FC'. This is the "jammer code" used by a rig to indicate that a collision has occurred. Each rig, when sending, monitors the interface. If it does not receive exactly what it sent, then a collision occurred, i.e., another rig was sending data at the same time. If a rig detects a collision when sending a packet, it will wait until the network is idle, then send the jammer code. A rig that receives this code will realize that a collision has occurred and ignore the previously received packet. Because the ICOM remote control ports are bi-directional, your computer will receive everything it sends, so you can check for collisions from your computer, too.

Control Codes and Responses

Most of the following codes are addressed to a specific rig, which addresses an acknowledgement packet to the <TX> contained in the control packet. The first two codes, 00 and 01, can be sent to the "group call address" of 00, in which case any rig will receive them without sending an acknowledgement. These two codes are sent in this way by any rig when its mode or frequency is changed by manual control, and are received by any rig on the network. This allows a number of rigs to track each other in frequency and mode without computer intervention. Rigs can be inhibited from sending and receiving group call packets by an internal

jumper. See Appendix 2 for more details. These codes can also be sent with a specific, non-zero <RX>, in which case they will be received by the addressed rig even if the group call function is disabled.

00 Set frequency. See above for format of frequency data. See code 05 below for more details.

01 Set modulation mode. One or two data bytes are required to indicate the mode desired.

Data	Mode
00	LSB
01	USB
02	AM
03	CW
04	RTTY
05	FM
05 00	SSB (R7000)

02 Report tuning range. No data required. The rig will report its frequency limits in the format

```
FE FE <RX> <TX> 02 <upper limit> 2D <lower limit> FD
```

(Hex 2D is the ASCII hyphen.) According to ICOM, some rigs report the lower limit first.

03 Report frequency. No data required. The addressed rig returns its displayed frequency to the sender in the format

```
FE FE <RX> <TX> 03 <Frequency> FD
```

04 Report modulation mode. No data required. The addressed rig returns its mode to the sender using the codes listed above. Rigs with selectable bandwidth return an additional byte indicating the bandwidth. The format of the response is

```
FE FE <RX> <TX> 04 <Mode> <Bandwidth> FD
```

The bandwidth codes are:

Data	Bandwidth
01	Width 1 (widest)
02	Width 2 (narrower)
03	Width 3 (narrowest)

05 Set frequency. The data format is given above. If the data contains fewer digits than the rig uses, the digits sent will be changed and the rest will remain the same. If the rig receives valid frequency data within its tuning range, it responds with a packet containing the data "FB":

```
FE FE <RX> <TX> FB FD
```

If it didn't like the data, it responds with the data "FA":

FE FE <RX> <TX> FA FD

These acknowledgement codes are used by all following commands.

The 735 responds to out-of-range frequency data by sending the "FA" acknowledgement and: 1) If the frequency it receives is less than 0.1 MHz, it sets its frequency to 0.1 MHz, 2) If it received 4 bytes of frequency data that is more than 30 MHz, it sets itself to 30 MHz, and 3) If it received more than 4 bytes of frequency data, the data is ignored.

06 Set modulation mode. If one byte is sent, it sets the mode per the above table. If two bytes are sent, the second is the IF bandwidth.

07 Set VFO status. If no data is sent, the rig changes from MEMORY mode to VFO mode. If data 00 or 01 is sent, the rig sets VFO A or VFO B respectively.

08 Set memory channel. If no data is sent, the rig changes from VFO mode to MEMORY mode. If BCD channel data is sent, the rig changes to that memory channel.

09 Store displayed frequency and mode into displayed memory channel. No data required.

0A Write frequency and mode from displayed memory channel to a VFO. No data required.

Examples

I will give a few examples of codes and responses for the 735. The 735 is at address 04 and the computer is at 02. First, let's find out what's in memory channel 1 (code 08 to set the channel, and code 03 to read the frequency). Assume the 735 has the frequency 7.12750 MHz stored in memory #1.

Computer to 735:

```
FE FE 04 02 08 01 FD
```

735 to computer:

```
FE FE 02 04 FB FD
```

Computer to 735:

```
FE FE 04 02 03 FD
```

735 to computer:

```
FE FE 02 04 03 00 75 12 07 FD
```

Now let's change the frequency and mode to 14.02500 MHz USB (codes 05 and 06).

Computer to 735:

```
FE FE 04 02 05 00 50 02 14 FD
```

735 to computer:

```
FE FE 02 04 FB FD
```

Computer to 735:

```
FE FE 04 02 06 01 FD
```

735 to computer:

```
FE FE 02 04 FB FD
```

Now store the changed result back into memory #1. This channel is already displayed, so we need only the store command, code 09.

Computer to 735:

```
FE FE 04 02 09 FD
```

735 to computer:

```
FE FE 02 04 FB FD
```

Appendix 1 -- RS232 to TTL converter

This is an easily built converter that will run your ICOM gear from a standard RS232 line. It can be built in an hour or two for about $10. The converter uses two inexpensive, widely-available chips -- the Motorola MC1488 line driver and MC1489 line receiver. The only other components needed are a box, connectors, a power switch, and a couple .01 or .1 capacitors to bypass the power supply leads. I used two 9V batteries for power. Power for the 1488 can be +-9 to +-15 volts, and the 1489 requires +5 to +10 volts. With a suitable DC-DC converter chip and a 78L05 or 78L08, you could power the circuit off of your 13.8-V supply. Or, if you're clever, figure out a way to trickle charge two 9V nicads off of your RS232 line.

The pinouts are as follows:

For the 1488 -

Pin	Connect to
1	-V
2	ICOM remote jack center conductor
3	RS232 pin 3 (RD)
7	Ground
14	+V

For the 1489 -

Pin	Connect to
1	RS232 pin 2 (TD)

3	ICOM remote jack center conductor
7	Ground
14	+V

Ground pin 7 of the RS232 line and the outer conductor of the ICOM remote jack, and you're on line.

Appendix 2 -- Jumper Selections

There are jumpers in the ICOM rigs to set the device address, baud rate, and to enable the group call feature. You must look on the schematic to find them. The jumper to enable the group call feature is called the "transceive" bit by ICOM, and may be labeled with "TRV" on the schematic. The others are labeled "DBn" on the 735 and R7000; look for something similar. The rigs are factory-set to 1200 baud, transceive enabled.

I have specific information from ICOM on the 735 jumpers, and for the R7000 I have a likely guess based on the 735 codes and the schematic.

For the 735 -

The jumpers use lines labeled DB0 through DB5 at connector J22 on the PL board. Lines DB0 through DB2 set the device address. Line DB3 is the transceive enable. The baud rate is controlled by DB4 and DB5 according to

DB4	DB5	Baud
0	0	undefined
1	0	9600
0	1	1200
1	1	300

The 735 is set at the factory to address 04.

For the R7000 -

The jumpers use lines DB0 through DB7 at connector J17 on the logic board. The address is set by DB0 through DB4, DB5 is the transceive enable, and the baud rate is set by DB6 and DB7. The factory address is 08.

If you have any other rig, you can determine its address by hooking it up to your computer and changing the frequency or modulation mode manually. You will receive a group call packet that contains as its 4th byte the address of the rig.

```
.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.
Thomas Brown, KA2UGQ       BITNET: twb0@lehigh.bitnet
Lehigh University Box 855  ARPA: twb0%lehigh@ibm1.cc.lehigh.edu
Bethlehem, PA  18015       UUCP: ..!att!twb0@lehigh.bitnet
(215) 758-1200             AX.25: ka2ugq@ka2ugq.nj.usa.na (145.01 MHz)
```

Stress: The confusion caused when one's mind overrides the desire to
choke the life out of someone who desperately deserves it.

```
From 1890878058831366640
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d75f7cdddfc15466,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-17 15:33:15 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!decwrl!ucbvax!LEHIGH.BITNET!TWB0
From: TWB0@LEHIGH.BITNET ("Thomas Brown, KA2UGQ ", Lehigh University)
Newsgroups: rec.ham-radio
Subject: KENWOOD computer interface info
Message-ID: <9004170710.AA26272@ucbvax.Berkeley.EDU>
Date: 17 Apr 90 07:10:31 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 287
Posted: Tue Apr 17 08:10:31 1990
X-Unparsable-Date: SUN APR 15, 1990 22.18.11 EST
```

Subject: TS440S Interface Information
[Via KA2UGQ]

A recent posting asked about the TS400 Interface.

I just came across the following which describes how to build one yourself and save big $$. I do not know the source of the article.

Mark C. DiVecchio 10435 Mountain Glen Terrace, San Diego, CA 92131
K3FWT Home of PC-VT and LPTx 619-549-4056
sdcsvax!man!wolf!markd Bulletin Board 619-549-3927

Kenwood Computer Interface Instructions

These Instructions are TS-440 specific, but the basics also apply to the TS-940, TS-811 and TS-711.

It is possible to save yourself a few dollars and lose nothing in quality by buying the parts to upgrade your Kenwood radio for computer control. Just purchase the parts were you find them and install them using the instructions in the Radio's Manual.

IC 54 is a uPD-8251-AC Serial Communications Interface.
Commonly called an 8251A ($1.89 Mail Order)
IC 55 is a TC-4040-BP 12 Stage CMOS Divider.
Commonly called a 4040 ($0.69 Mail Order)

The IC-10 Interface Kit from Kenwood Contains ONLY these two parts and less instructions than are in this file. The only thing you are going to miss, is the $22+ price tag on the IC-10 Kit.

Signals are TTL levels (NOT RS-232)
Baud rate is 4800 (1200 Opt.)
Format is ASCII Serial; 1 Start, 8 Data, 2 Stops

The Baud rate may be changed to 1200 Baud by removing jumper W50 and installing a jumper from the left pad to the center pad as viewed from the front of the radio. This will become obvious once you have the radio opened up. Many other Baud rates are possible, just look at the schematic.

As long as you are in the radio, lift D-60 to enable the 10 Hz. display. The main tuning knob is varing this digit, so you might as well see it. It also helps when using RIT/XIT as the RIT/XIT display does not resolve the 0.01 KHz. digit. This Modification is in the Radio's Book.

Not in the book is the fact that if you lift D-80 and do an MPU reset, you will be able to transmit on any frequency between 1.5 and 30.0 MHz. This means you will be able to work the Mars nets, Etc. Do not transmit out of band. It is illegal even if it is accidental.

Some computers use TTL levels on their serial ports. If so, here is a time when you will not have to convert it to RS-232.

The IF-232 Interface from Kenwood is a 1488 and a 1489 chip in a box. These are an RS-232 Quad Line Driver and Receiver and are available at Radio Shack for $1.29 Each. Here is an easy project that will save you a lot over the $69+ Kenwood price of the IF-232 Interface. The 1488 needs a + and - supply. Unregulated + and - 12vdc is just fine. Get the +5 vdc for the 1489 by putting a 7805 regulator on the +12 vdc supply. 100 ma. is about the max you'll draw, so the smallest transformer you can find will still be plenty large. Don't forget to series up two of each gate to cancel the inversion that the 1480's produce.

ACC-1 Connector — Use a 6 Pin DIN Connector. (Radio Shack $1.29)

Pin	Signal	Comments
1	Gnd	Signal Ground
2	TXD	Serial Data from Radio to Computer
3	RXD	Serial Data from Computer to Radio
4	CTS	Computer Ready; (Radio Input)
5	RTS	Radio Ready; (Radio Output)
6		No Connection

Pins 4 and 5 may be left Unconnected.

***** Command Description for Kenwood Computer Interface *****

Auto Information

AIn;

The Radio Will Send the Status Info Automatically Whenever the Operator Manually Varies any Function on the Radio which is Covered in the IF; Command

Where n = 0 for Auto Info OFF
1 for Auto Info On

The Status Information Will be Sent in the Form :
As defined in the IF; Command

Display Memory

```
                --------------
DMnnnn;
                This is a Factory Diagnostic Function
                and is of no practical use to the operator

                The Contents of the MPU Memory will be Read
                        Where   nnnn = MPU Address (0000 Thru FFFF (HEX))

                The Contents of the MPU Memory Will be Sent in the Form :
                 DMnnnn-aabbccddeeffgghhiijjkk;
                        Where   nnnn = MPU Address (0000 Thru FFFF (HEX))
                              aa~~kk = Hex Number Pairs Of Next 16 Locations


                Down
                ----
DN;
                The Frequency or Memory Channel
                Will Decrement One Step


                Frequency VFO A / VFO B Request
                -------------------------------
FA;
FB;
                The Frequency in the Selected VFO Will be Read

                The Frequency Will be Sent in the Form:
                 FAggmmmkkkhhh;   or
                 FBggmmmkkkhhh;
                        Where    gg = GHz. Value
                                mmm = MHz. Value
                                kkk = kHz. Value
                                hhh =  Hz. Value


                Frequency VFO A / VFO B Select
                ------------------------------
FAggmmmkkkhhh;
FBggmmmkkkhhh;
                The VFO Selected Will be Set to the Frequency Defined
                        Where    gg = GHz. Value (May be sent As 00 or Spaces)
                                mmm = MHz. Value
                                kkk = kHz. Value
                                hhh =  Hz. Value


                Function Select
                ---------------
FNn;
                The Function Defined Will be Selected
                        Where   n = 0 for VFO A
                                    1 for VFO B
                                    2 for MEMORY

                Identify Model Request
                ----------------------
ID;
                The Model of the Radio Will be sent in the Form :
                 ID00n;
                        Where : n = 1 for a TS-940 (*)
                                n = 2 for a TS-811 (*)
                                n = 3 for a TS-711 (*)
                                n = 4 for a TS-440


                Read Information Request
                ------------------------
IF;
                The Status Information Will be Sent in the Form :
                 IFggmmmkkkhhh     snnnzrx yytdfcp
                        Where   gg~~hhh = Value as defined in FA Command
                                      s = "+" or "-" Value of RIT/XIT
                                    nnn = Value of RIT/XIT (n.nn kHz.)
                                      z = "0"  (Not Used in TS-440)
                                      r = Value as defined in RT Command
                                      x = Value as defined in XT Command
                                     yy = Memory Channel No.
                                      t = 0 for Receive
                                          1 for Transmit
                                      d = Value as defined in MD Command
                                      f = Value as defined in FN Command
                                      c = Value as defined in SC Command
                                      p = Value as defined in SP Command


                Lock Knob
                ---------
LKn;
                The Manual Frequency Control Functions Will be Disabled
                        Where   n = 0 for Lock OFF
                                    1 for Lock ON


                Memory Channel Select
                ---------------------
MCxmm;
                The Memory Channel Defined Will be Selected
                        Where:  x = Don't Care   (Use "0" or Space)
                               mm = Memory Channel No. (00 thru 99)


                Mode Select
                -----------
MDn;
                The Mode Defined Will Be Selected
```

```
                        Where:  n = 1 for LSB
                                    2 for USB
                                    3 for CW
                                    4 for FM
                                    5 for AM
                                    6 for FSK


                Memory Read
                ------------
MRnxrr;
                The Memory Channel Defined Will be Read
                        Where:  n = 0 for RX VFO
                                    1 FOR TX VFO (Split Channels Only)
                                x = Don't Care      (Use "0" or Space)
                               rr = Memory Channel No.    (00 thru 99)

                The Memory Information will be sent in the Form :
                 MRn rrggmmmkkkhhhdz    ;
                        Where:  n = 0 for RX VFO
                                    1 FOR TX VFO (Split Channels Only)
                               rr = Memory Channel No.    (00 thru 99)
                         gg~~hhh = Value as defined in FA Command
                                d = Value as defined in MD Command
                                z = "0"  (Not Used in TS-440)
                        (Note: Four trailing Spaces)


                Memory Write
                ------------
MWnxrrggmmmkkkhhhdzxxxx;
                The Memory Selected Will be Set to the Frequency Defined
                        Where:  n = 0 for RX VFO
                                    1 for TX VFO (Split Channels Only)
                                x = Don't Care  (Use "0" or Space)
                               rr = Memory Channel No.    (00 thru 99)
                          gg~~hhh = Value as defined in FA Command
                                d = Value as defined in MD Command
                                z = "0" (Not Used in TS-440)


                RIT/XIT Clear
                -------------
RC;
                The RIT/XIT will be set to 0.00 kHz.


                RIT/XIT Down
                ------------
RD;
                The RIT/XIT will Decrement by 0.01 KHz. (10 Hz.)
                RIT/XIT UP
                ----------
RU;
                The RIT/XIT will Increment by 0.01 KHz. (10 Hz.)
```

```
--
--------------------------------
Mark C. DiVecchio 10435 Mountain Glen Terrace, San Diego, CA 92131
K3FWT                   Home of PC-VT and LPTx          619-549-4056
sdcsvax!man!wolf!markd                   Bulletin Board 619-549-3927
```

```
.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.
Thomas Brown, KA2UGQ       BITNET: twb0@lehigh.bitnet
Lehigh University Box 855  ARPA: twb0%lehigh@ibm1.cc.lehigh.edu
Bethlehem, PA  18015       UUCP: ..!att!twb0@lehigh.bitnet
(215) 758-1200             AX.25: ka2ugq@ka2ugq.nj.usa.na (145.01 MHz)

Stress: The confusion caused when one's mind overrides the desire to
        choke the life out of someone who desperately deserves it.
```

From -8148946830187711347
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4e633e2cd32138b2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-17 15:33:15 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!LEHIGH.BITNET!TWB0
From: TWB0@LEHIGH.BITNET ("Thomas Brown, KA2UGQ ", Lehigh University)
Newsgroups: rec.ham-radio
Subject: YAESU computer interface info
Message-ID: <9004170711.AA26313@ucbvax.Berkeley.EDU>
Date: 17 Apr 90 07:11:34 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 94
Posted: Tue Apr 17 08:11:34 1990
X-Unparsable-Date: SUN APR 15, 1990 22.19.34 EST

Subject: CAT Interface for Yaesu 727
Path: ..!JUNE.CS.WASHINGTON.EDU!bcn (Clifford Neuman @ The ARPA Internet)
[Via KA2UGQ]

I have seen many requests for information on this over the past year or so. At one of our local hamfests, Yaesu had a 1 sheet handout on how to use CAT on the 727. That handout follows. I have not tried this myself (yet). Note that the levels are not standard RS-232, but should be fairly easily converted.

The following information is from Yaesu. There are some errors picked up by KB7ABA which are noted in the approriate place. I have not yet tried using this. de N1DMM.

FT-727R CAT System Interfacing and Control

This information describes the hardware and software requirements of the CAT (Computer Aided Tranceiver) System in the FT-727R.

Connections

Four connections are used by the CAT SystemL three at the CAT jack, illustrated below, and one (Signal Ground) ar the outer contact of the MIC or EAR jack.

DO NOT SHORT THE OUTER CONTACT OF THE CAT JACK TO GROUND!!!

[Diagram of the CAT plug:

Looks like a stereo audio jack of the appropriate size.

The outer sleeve is +6 to +12 V DC (Battery Voltage) I do not think this line needs to be connected.

The middle contact is the Serial KeyCode Input.

The center contact is the Serial Meter Output (00h to 0Fh).

See the manual for further description.]

Data Format:

All serial data consists of single byte binary codes sent at 4800 baud, TTL levels, with two INVERTED stop bits and one INVERTED start bit.

Key Codes:

CAT Control consists of duplication the keystrokes that can be made on the tranceiver keypad by sending the corresponding keycodes to the Serial Keycode Input contact of the CAT jack. The most significant four bits (MSD) correspond with the key column and the least significant four bits (LSD) correspond with the key row. The Function key (on the side of the tranceiver) is simulated by setting bit 7. Results are identical to those described for manual operation in the FT-727R Operating Manual. Serial Meter Output is sent approximately every 100 ms while receiving.

[Table for the codes. The lines in [] are the original values in the Yaesu handout, and are followed by the corrected lines as determined by KB7ABA. Remove the lines in [] to see what sould be the right table.]

```
[   { FUNC    F       E       D       C       B    ]
    { FUNC    8       9       A       B       C
```

```
MSD {
[   { NORM    7       6       5       4       3    ]
    { NORM    0       1       2       3       4

LSD
V

E            +RPT    SIMP    -RPT     PMS     P SET
              1       2       3        V       ^

D            SAV T   T DEC   T SET    TX M    S/CH
              4       5       6        M       MR

B            SAVE    T ENC   SCAN     MC      Shift
              7       8       9        C      <=>

7            LOCK    BATT    BEEP     DUP     Step
              *       0       #       V/U      D
```

```
.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.
Thomas Brown, KA2UGQ       BITNET: twb0@lehigh.bitnet
Lehigh University Box 855  ARPA: twb0%lehigh@ibm1.cc.lehigh.edu
Bethlehem, PA  18015       UUCP: ..!att!twb0@lehigh.bitnet
(215) 758-1200             AX.25: ka2ugq@ka2ugq.nj.usa.na (145.01 MHz)
```

Stress: The confusion caused when one's mind overrides the desire to
choke the life out of someone who desperately deserves it.

From -7044887274963783450
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c82ab051a3117b0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-17 15:33:43 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!TECNET1.JCTE.JCS.MIL!mgb
From: mgb@TECNET1.JCTE.JCS.MIL
Newsgroups: rec.ham-radio
Subject: ANS: Weather Satellite Frequencies
Message-ID: <9004170511.AA23221@tecnet1.jcte.jcs.mil>
Date: 17 Apr 90 05:11:33 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 27
Posted: Tue Apr 17 06:11:33 1990

>zaphod.mps.ohio-state.edu!mips!max!crisp@tut.cis.ohio-state.edu
>(Richard Crisp) writes:

>Can someone please post a listing of the frequencies of the polar orbiting
>weather satellites? Ones of interest include the NOAA series and the METEOR
>series as well as others in the 137mhz band.
>Thanks

```
----------------------------------------------------------------------------
137.13 Russia, experimental .. not often heard.
137.15 Russia, Meteor 1   Not been heard from for quite awhile. Presumed dead.
137.30 Russia, Meteor 2-17 & 2-18
137.40 Russia, Meteor 2-16
137.50 USA     NOAA-10
137.62 USA     NOAA-9 & 11
137.80 China   Died shortly after launch ... talk of another one in 90
137.85 Russia, Meteor 3-2 and Japan (unconfirmed)
```

Wefax Geosynchronous

1691 MHz.

All freqs. are for APT formatted pictures.

Frequency info originally received from Vanguard Labs BBS.

Mark Bitterlich
mgb@tecnet1.jcte.jcs.mil

From 7878246816687811842
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6dfe1d3ac47e2fe6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-17 15:33:46 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!TECNET1.JCTE.JCS.MIL!mgb
From: mgb@TECNET1.JCTE.JCS.MIL
Newsgroups: rec.ham-radio
Subject: Die Hard... laughing, that is!
Message-ID: <9004170546.AA24329@tecnet1.jcte.jcs.mil>
Date: 17 Apr 90 05:46:29 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 34
Posted: Tue Apr 17 06:46:29 1990

> GUNS DO NOT KILL PEOOPLE! *PEOPLE* KILL PEOPLE!

ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs@iuvax.cs.indiana.edu (Jim Grubs)
sez:

With guns, most commonly....

> >If you don't see any difference between guns that kill and
> >radios that don't, then you yourself are part of the proof that guns MUST
> >be banned as soon as possible.
>
> "You can take my gun from me when you pry it from my cold, dead
> fingers!"

I rest my case....

Mr. Grubs, you are incorrect (again). The most common way for PEOPLE TO KILL PEOPLE is in an automobile and usually after they have been drinking. Since this forum is not one to discuss drunk driving or gun control, your message and this reply are not necessary to this net, nor are they desired by the majority as can be seen by recent postings asking that they stop. However, about the time it starts to die down a little, UP GOES THE FLAG with another Jim Grubs posting.

It is really hard to avoid an argument when what one says is referred to as "blithering lunacy". And then you go ON to add more fuel to the fire with obviously incorrect statements like the one you just made above.

Can't you just let it go? Please?

Mark Bitterlich
mgb@tecnet1.jcte.jcs.mil

From 2912606444475880431
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c63acdccb2e956a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-17 15:40:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!rutgers!rochester!rit!ultb!cep4478
From: cep4478@ultb.isc.rit.edu (C.E. Piggott)
Newsgroups: rec.ham-radio
Subject: TCP/IP in anticomputers
Summary: Look at it this way
Message-ID: <2800@ultb.isc.rit.edu>
Date: 17 Apr 90 04:53:44 GMT
Reply-To: cep4478@ultb.isc.rit.edu (C.E. Piggott)
Organization: Rochester Institute of Technology, Information Systems
Lines: 32
Posted: Tue Apr 17 05:53:44 1990

O.K. Let's look at this problem, then: out here, NEDA has a large network of NET/ROM (actually, TheNet) systems which works moderately well, but even the guys who founded it admit that it's a temporary hack and it SHOULD be replaced by IP. (And these guys are operating on heresay; they're not IPers at this time).

So, at a networking meeting (over pizza, naturally :-)) it came up that the entire network should be converted to IP. The problem is that doing so would alienate probably three-quarters of the users of the network.

Now, it doesn't seem fair to say "tough" to the end-users, and it

doesn't seem reasonable to say to them "if you want to use the network,
you have to go through an AX.25<->TCPIP gateway (like GRI or RGV)".
At the same time, when it comes down to it, I don't think we have the
resources out here to build two parallel networks (one TheNet,
one IP). (I've tried the NOS stuff to route IP through net/rom,
seems rather kludgey to me [no offense, I'm not being critical here,
it just seems like a hack of a theoretical idea]).

I'm the FIRST guy to say [CENSORED] 'em if they want to keep their
C64's and CP/M Shoeboxes forever ... but now, I'm thinking in terms
of my own interests and what will get IP less of a "clique".

73's Chris

```
--
Christopher E. Piggott, N2JGW                   cep4478@ultb.isc.rit.edu
President                                       n2jgw@n2jgw.ampr [44.69.0.1]
Rochester Institute of Technology               N2JGW @ WB2WXQ
Amateur Radio Club K2GXT                        CEP4478@RITVAXA.BITNET
```

From 6006637824083531891
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,58f3d5581be9944,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-17 18:10:29 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!ihuxz.UUCP!rats
From: rats@ihuxz.UUCP
Newsgroups: rec.ham-radio
Subject: AOR AR-1000
Message-ID: <9004171619.AA26273@ucbvax.Berkeley.EDU>
Date: 17 Apr 90 16:19:50 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Lines: 8
Posted: Tue Apr 17 17:19:50 1990

Has anyone tried out the new AOR AR-1000 portable scanner?

This a 1000 channel handheld that covers all the standard PSB
frequencies as well the 800 Mhz band. It has 40 chan/sec scan
capability. It was advertised in the RSGB "Radio Communications"
magazine under both the AOR designation and private labeled
under the "Nevada" name.

From 2864889855454209591
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c63acdccb2e956a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-17 18:13:44 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)

Newsgroups: rec.ham-radio
Subject: Re: TCP/IP in anticomputers
Message-ID: <13137@ucsd.Edu>
Date: 17 Apr 90 16:43:09 GMT
References: <2800@ultb.isc.rit.edu>
Reply-To: brian@ucsd.edu (Brian Kantor)
Organization: The Avant-Garde of the Now, Ltd.
Lines: 33
Posted: Tue Apr 17 17:43:09 1990

Locating 'telnet' in the TNC isn't the right approach. I see no reason why your local tcp/ip network node can't support a telnet server for AX.25 connections. With such, joe-dumb-terminal-ham would connect to the node, as he does now with net/rom, and request a connection to a distant node, as he does now with net/rom, and get a nice reliable high-speed network connection to the other end, as he occasionally does now with net/rom. He can even do uploads and downloads, using whatever error-full protocol he currently uses, since telnet can be completely transparent if desired. In other words, for him, there's no difference!

But the tcp/ip network will let the advanced packet operator/researcher do much much much more, since such a person can generate the IP packet for whatever he is doing (telnet, ftp, smtp, snmp, digital voice, weber pictures, etc. etc.) in his shack computer and send it into the network through the very same network node.

Thus this kind of configuration is a complete win for all concerned. I think the improved performance of the resulting network will sell many people on upgrading from dumb-terminal status to sophisticated ham computer user - which they can't do with the existing net/rom network.

There will, of course, always be many who don't upgrade - those who seem to think that the box they bought is good enough, or else it wouldn't be sold. They're the same people who refuse to install an $11 mod that would incredibly improve their TNC's performance. If they can use the network, they're happy.

For the average user of a ham network, whether it runs tcp/ip or net/rom (or even ROSE, ecch) isn't important. For the advanced user, tcp/ip offers the most flexible networking environment currently available.
     - Brian

From -5909143365915035920
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2383db3e0dcfb08a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-17 18:34:41 PST
Path: gmdzi!unido!mcsun!uunet!nems!mimsy!fe2o3!michael
From: michael@fe2o3.UUCP (Michael Katzmann)
Newsgroups: rec.ham-radio

Subject: Re: Morse Coding standards (non-ham question)
Message-ID: <347@fe2o3.UUCP>
Date: 17 Apr 90 17:06:17 GMT
References: <3466@trantor.harris-atd.com>
Reply-To: michael@fe2o3.UUCP (Michael Katzmann)
Organization: Rusty's BSD machine at home
Lines: 17
Posted: Tue Apr 17 18:06:17 1990

In article <3466@trantor.harris-atd.com> tbabst@x102c.ess.harris.com (Babst TA 64837) writes:

> I want to know if there are standards for the manual coding of Morse code.
> In particular, what are the dot, dash, inter-character and inter-word
> lengths.
>

The April 1990 edition of QEX (from ARRL) has an article by Jon Bloom,
KE3Z which explains it all. It includes equations for timing etc.

```
---------------------------------------------------------------------
UUCP:       uunet!mimsy!{arinc,fe2o3}!vk2bea!michael
                              _ _ _                    _
     Amateur  |    VK2BEA   (Australia)      ' ) ) )      /           //
     Radio    |    G4NYV    (United Kingdom)  / / / o _. /_  __.  _  //
     Stations|    NV3Z  (United States)    / ' (_<_(__/ /_(_/|_</_</_
```

Michael Katzmann
Broadcast Sports Technology.

From -2040120371569441255
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,935b1b590ec152ef,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-17 18:52:25 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!apple!amdahl!twg.com!sawyer
From: sawyer@twg.com
Newsgroups: rec.ham-radio
Subject: Need QSL Route
Message-ID: <4001@gollum.twg.com>
Date: 17 Apr 90 18:18:55 GMT
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 5
Posted: Tue Apr 17 19:18:55 1990

Does anybody have a direct QSL route for UJ8JCQ? It's taken me a while to finally dig out a Tadzik contact, and I just can't stand the thought of sending this one to Box 88. Any help would be appreciated.

Bruce, AA6KX

From 2901174775576492219
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,70c4c691e1bbe7bc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-17 18:54:50 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!elroy.jpl.nasa.gov!ames!pacbell!att!cbnewse!waco
From: waco@cbnewse.ATT.COM (john.l.broughton)
Newsgroups: rec.ham-radio
Subject: Re: V31BB QSL INFO
Message-ID: <14268@cbnewse.ATT.COM>
Date: 17 Apr 90 12:41:28 GMT
Organization: AT&T Bell Laboratories
Lines: 34
Posted: Tue Apr 17 13:41:28 1990

This past weekend I worked V31UK who had come over from the mainland to Jim's QTH and was operating from V31BB's station. I listened to several of his QSOs and he discussed his own QSL habits and problems. He also talked about Jim's QSLing. He claims Jim has difficulty in keeping up with his QSLing. Apparently V31BB is very active and, judging from David's discussions, does QSL, albeit slowly.

I cannot speak for V31BB and my opinion on his operating practices (low) has not changed. However, it appears that his intention to QSL is to do so.

Having been involved in chasing DX for a number of years, I have learned not to become too anxious for QSL cards to appear in my mailbox. I sometimes wait months before sending out cards and have found that some expected cards never arrive, but many arrive months or even years after a contact. It is not uncommon not to receive a QSL from a station. It is frustrating when you need a country confirmed. However, when looking back through my log, there are many unconfirmed contacts that, at the time of the contact, seemed like a sure thing. Usually, the only sure thing for receiving a QSL is from a bona fide DXpedition or a contact with a Soviet ham, with the exception of the only Albanian contact I have had.

Belize is not a "rare one" and if you really need it, just keep tuning the dial; it will show up (if this is true, why do I still need Albania and Kaliningrad?, hi, hi). You don't need to work V31BB to get a contact.

John L. Broughton WB9VGJ
AT&T Bell Laboratories
1200 E. Warrenville Rd.
Naperville, IL 60566-7045
(708) 713-4319
john.l.broughton@att.com

From -1411394847888412738
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,47c38db15c9458be,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-17 23:58:49 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!ames!pacbell!billp
From: billp@billp.UUCP (Bill W. Putney)
Newsgroups: rec.ham-radio
Subject: Need info on Kenwood Rmt Control!
Keywords: Kenwood Repeater Control Remote
Message-ID: <800@billp.UUCP>
Date: 17 Apr 90 16:35:57 GMT
Organization: Network Equipment Technologies, Redwood City
Lines: 20
Posted: Tue Apr 17 17:35:57 1990

I am building a controller for my club's Repeater/Remote-Base. I know, hams aren't suppose to be into building things anymore... What we don't want to build are the remote controlled radios. We've looked at the ICOM 900 series radios and the Kenwood radios. The Kenwood radios interface through the mic connector on one or two leads, the ICOM is a stack of pins!

The problem is that Kenwood is being real tight lipped about the protocols used between there control heads and the radios. I even offered to sign a non-disclosure agreement. They just aren't interested.

Before I spend the money on a control head I'll never use and weeks of time spoofing the protocol myself, I'd like to find out if there is someone out there in Usenet land that's already done it and is willing to share.

Any help or pointers would be greatly appreciated.

-Bill Putney {ames|pacbell|tymix|oliveb}!unet!billp
             or billp@NET.COM or (415)780-5309

From -3849360223082313495
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,81696496d527d3ac,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-18 02:42:46 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Spelling flame
Message-ID: <13156@ucsd.Edu>
Date: 18 Apr 90 05:38:26 GMT
Organization: The Avant-Garde of the Now, Ltd.
Lines: 33
Posted: Wed Apr 18 06:38:26 1990

Yes, I know one is not supposed to issue spelling flames. However....

Let me briefly point out that an article containing misspelled words and poor grammar has much less impact than one that does not.

This is because, to the reader who notices the flaws, the article with poor grammar or misspelled words reflects a lack of orderly thought on the part of the poster. Thus the reader naturally questions the validity of the poster's ideas and information: "If he can't spell it or turn out an understandable sentence, why should I believe whatever it is he's trying to say?"

And that brings up another point: sometimes the text is so garbled as to obscure or completely mask the poster's meaning. You and I have seen articles on here that were completely undecipherable because the poster's thoughts were completely obscured behind his inability to express them.

Allowance, of course, must be made for those for whom English is not their native language. But those articles are rarely a problem since the posters of those articles usually take extra care to ensure the understandability of what they've said. What is so saddening is that there seem to be people posting here who are computer-literate but otherwise barely able to write their native language.

So please, to ensure that your postings have the greatest possible value to the readers of this group, take just a moment to check for typographical errors, to look up the spelling of words you aren't sure of, and most of all, to read what you have said over just one more time to make sure that it really says what you want it to say.

We will all thank you.
     - Brian

From -6642739263575006538
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c63acdccb2e956a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-18 03:28:12 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!zaphod.mps.ohio-state.edu!swrinde!emory!rsiatl!jgd
From: jgd@rsiatl.UUCP (John G. De Armond)
Newsgroups: rec.ham-radio
Subject: Re: TCP/IP in anticomputers
Message-ID: <1877@rsiatl.UUCP>
Date: 18 Apr 90 04:55:53 GMT
References: <2800@ultb.isc.rit.edu>
Organization: Radiation Systems, Inc. (a thinktank, motorcycle, car and gun works facility)
Lines: 125
Posted: Wed Apr 18 05:55:53 1990

cep4478@ultb.isc.rit.edu (C.E. Piggott) writes:

>O.K. Let's look at this problem, then: out here, NEDA has a large
>network of NET/ROM (actually, TheNet) systems which works moderately
>well, but even the guys who founded it admit that it's a temporary
>hack and it SHOULD be replaced by IP. (And these guys are operating
>on heresay; they're not IPers at this time).

>So, at a networking meeting (over pizza, naturally :-)) it came up
>that the entire network should be converted to IP. The problem is
>that doing so would alienate probably three-quarters of the users of
>the network.

Let me risk being labeled a heretic and play devil's advocate for a moment. What I see implied above is a bit of "Let's fix something that's not broke". When one transitions from experimenter (The tcp/ip community) to service provider (BBS, node, digi owner - anyone who grabs a chunk of a public resource and offers a service to the community.), he should pay particular attention to the user community and their needs (Brian Kantor will debate this point but nontheless :-).

Let's look at some realities. The first is that in general, 1200 bps L/WANs are going to de de rigeur for quite some time to come. Sure we mentally and verbally masterbate about faster modems but the combination of many factors, not the least of which is all the commercial vendors racing headlong toward proprietary protocols, conspire to make 1200 baud, in some few cases, 2400, the lowest common denominator.

Given that reality, one must admit to the next one - IP at 1200 baud sucks. Especially in a properly engineered RF environment (full duplex, no digipeaters) ordinary AX.25 beats the pants off of IP for what most users use packet for - mainly keyboard chatting and BBS browsing. It is neither our duty nor our right to tell a user that his particular form of packet enjoyment, say, keyboarding, is improper. Our duty as service providers is to provide the facilities our users want and introduce new technology wherever and whenever it is appropriate. A TheNet network talking to chat hubs such as Packet Cluster or the like provides just what most ham users want.

Even for file transfers, I've found it faster to take a binary and uuencode it, put it on my BBS as a message and let it forward to my recipient than to attempt an FTP of the same file. And remember that this is on a properly engineered RF network.

In terms of an average non-computer-professional user, the combination of poor performance, buggy code, "Read the f*cking source code" for documentation, a poor user interface and a generally elitist attitude among some of the experienced users and implementors pretty much eliminates IP from consideration. (We all know that these problems are not unique to Phil's package but it is the point of discussion at the moment.)

It is sometimes hard for us bleary-eyed hackers that many hams have no interest in the gee-whiz aspect of packet and simply want to use it as a tool to facilitate other aspects of the hobby. This is most emphatically NOT the "appliance operator" syndrome. The DX packet cluster network here in Georgia is an example. This is a network of "chat hubs" that link to each other and provide a large roundtable environment as well as messaging and several other features of particular interest to DX ops. The network is implemented with a commercial package written by someone at DEC (and yes, it is just as buggy as the PD stuff but you have to pay money for it and you don't get source.) It comes with nice user docs and can be configured by a non-hacker. This network was built independently of the state packet group, GRAPES, mainly I think, because the DXers felt that we are too experimentally oriented for their needs.

Your typical user on this network is a serious DX operator. He has bought a computer, TNC and radio and dedicated it to cluster operation. He nails up a link to the nearest hub and leaves it there more or less forever. That's as far as his interest goes. He'd never know the difference between an MTU and AXHANG much less care.   In short, he is a USER. I'm personally quite gratified to see this purely end-user application develop even if it did happen outside of the normal channels.

I've strayed quite a bit from your immediate question and I know I've gored quite a few sacred oxes (let the bellowing begin!). The theme is simply, find out what your users want and then try to provide them with that service. I've found that users are usually at least aware of some aspects of the state of the art and will accept the change necessary to enjoy new stuff just as soon as there is some likelyhood that more time can be spent using as opposed to debugging the technology.

We have the same situation as in the commercial world. There is a place for basic research (IP, 56kbps, ethernet-over-{microwave,laser,carrier pigeon}, and the like). Then there is applied development where the product of basic research is "productized" and delivered to the user body (consumer). Both are essential, equally important and almost never mix well together. It is important to realize the distinction and then to realize what it is you are providing. If you are nailing up digis, nodes, bbs's, servers and the like, you are a service provider. If on the other hand, you put up an experimental network using gnats as carriers and tell everyone that they are welcome to participate whenever and however the system works, you engaged in research.

So find out what your users want and proceed accordingly.

73 John

>Now, it doesn't seem fair to say "tough" to the end-users, and it
>doesn't seem reasonable to say to them "if you want to use the network,
>you have to go through an AX.25<->TCPIP gateway (like GRI or RGV)".
>At the same time, when it comes down to it, I don't think we have the
>resources out here to build two parallel networks (one TheNet,
>one IP). (I've tried the NOS stuff to route IP through net/rom,

>seems rather kludgey to me [no offense, I'm not being critical here,
>it just seems like a hack of a theoretical idea]).

>I'm the FIRST guy to say [CENSORED] 'em if they want to keep their
>C64's and CP/M Shoeboxes forever ... but now, I'm thinking in terms
>of my own interests and what will get IP less of a "clique".

>73's Chris

```
>--
>Christopher E. Piggott, N2JGW                    cep4478@ultb.isc.rit.edu
>President                                        n2jgw@n2jgw.ampr [44.69.0.1]
>Rochester Institute of Technology                N2JGW @ WB2WXQ
>Amateur Radio Club K2GXT                         CEP4478@RITVAXA.BITNET
--
John De Armond, WD4OQC  | We can no more blame our loss of freedom on congress
Radiation Systems, Inc. | than we can prostitution on pimps.  Both simply
Atlanta, Ga             | provide broker services for their customers.
{emory,uunet}!rsiatl!jgd|  - Dr. W Williams |               **I am the NRA**
```

From 8763989626492659171
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,565b238f82b1e628,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-18 03:46:44 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!MBUNIX.MITRE.ORG!ptb
From: ptb@MBUNIX.MITRE.ORG
Newsgroups: rec.ham-radio
Subject: Die Hard... laughing, that is! (really guns)
Message-ID: <9004171256.AA29773@mbunix.mitre.org>
Date: 17 Apr 90 12:56:16 GMT
References: <9004170815.AA20708@mbunix.mitre.org>
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 26
Posted: Tue Apr 17 13:56:16 1990

To all you people who do not want guns: Isn't it interesting that one
of the first things Mr. Gorbachev did when Lithuania seceeded was to
confiscate all of the weapons from the Lithuanian citizenry. Maybe he
did not want them able to withstand the red army....

The lesson that I take from this is that an armed citizenry keeps a
tyrant at bay through the fear of an armed uprising.

Yes, I too am appalled at the violence in our cities (especially
Boston lately), but the responsible use of guns is a very strong
deterrant to tyranny as well.

I am not in the NRA. I do not have a gun, and probably never will in
my own home. But I am sympathetic with what they are saying....

Where there is a will, there is a way....

Disclaimer: This mailgram only represents the opinions of the author.
It does not necessarily represent the views of MITRE
or its sponsors.

English: Peter T. Baldwin
Arpa: ptb@mbunix.mitre.org
Snail Mail: Mitre Corp, MS K306, Burlington Rd, Bedford, Ma. 01730
Voice: Peter!

From 138508112182916605
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6ed75a1bebfdbec,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-18 06:17:25 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!uwm.edu!bionet!agate!shelby!portia!mdbomber
From: mdbomber@portia.Stanford.EDU (Matt Bartley)
Newsgroups: rec.ham-radio
Subject: 10m propagation
Message-ID: <11309@portia.Stanford.EDU>
Date: 18 Apr 90 07:02:01 GMT
Sender: Matt Bartley <mdbomber@portia.stanford.edu>
Organization: Stanford University
Lines: 33
Posted: Wed Apr 18 08:02:01 1990

I got my novice and tech licences a couple weeks ago and have been enjoying myself greatly on the 10m HF band. I've had some real surprises in the past couple days while operating at the ham radio club station (W6YX).

I've been aiming the beam antenna out over the Pacific Ocean to try making contacts overseas in that direction. Several times, I've been aimed toward Hawaii or Japan and called CQ, and had a ham in Alabama, Mississippi, Tennessee, etc answer it. After I lock it in, I'll rotate the antenna around to face that way. If they're talking while I rotate it, I'll notice I have, typically a 5 by 0 signal from them, then as it rotates north it fades and gets noisy, then as it swings toward them, the signal jumps up to a 5 by 8. That's happened a number of times. Also I once was aimed at Hawaii calling CQ and someone in the United Kingdom answered, but I wasn't able to lock him in. Again behind my antenna.

After I've been back for a while and thought about it, it sounds like I was transmitting out west and the signal was going around the planet and reaching someone to the east, and vice versa when I received! This is really strange as I never thought long path propagation would be possible on 10 meters since it is a daytime band, and to do long path the signal has to cross all the way across the dark side of the earth. But it seems to have been happening. Has anyone else noticed this on 10m?

Oh, I also made my first overseas contacts today. ZK2KY in Niue, an island in the South Pacific, and VK2CX in Nelson Bay, Australia. Looking forward to more fun!

--
Internet: mdbomber@portia.stanford.edu   Matt Bartley
Bitnet: mdbomber%portia@stanford.bitnet   73, KC6JRG
     Kirk: "Spock! Where the hell's that power you promised?"
     Spock: "One damn minute, Admiral."   -- Star Trek IV : The Voyage Home

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From 7550412766912075716
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2d2ca1976e1a767b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-18 06:32:26 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!WPAFB-AMS1.AF.MIL!bob%50781.decnet
From: bob%50781.decnet@WPAFB-AMS1.AF.MIL ("50781::BOB")
Newsgroups: rec.ham-radio
Subject: Die Hard revisited
Message-ID: <9004180722.AA23889@ucbvax.Berkeley.EDU>
Date: 17 Apr 90 23:47:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 22
Posted: Wed Apr 18 00:47:00 1990

Some soul wrote....

>To all you people who do not want guns: Isn't it interesting that one
>of the first things Mr. Gorbachev did when Lithuania seceeded was to

My only reply to this is....

STOP!   STOP!   STOP!

STOP THIS BARRAGE OF STUPIDITY NOW! WHY MUST THIS NEWS GROUP BE INUNDATED WITH THESE PEDANTIC RANTINGS? IF ITS NOT 220 MHZ, NOT CW TESTING THEN ITS, OF ALL THINGS, GUNS.

ENOUGH.

IF YOU FEEL SO STRONGLY, GET THE INET ADDRESSES OF OTHERS WHO ARE INTERESTED AND CARRY THIS ON YOURSELVES.

Thank you. I'll now revert to my normal, quite, understanding self.

Bob, N5GNA

From 9146434334813297391
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,769e1758b7f1a4a8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-18 06:32:29 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!ROSEVC.Rose-Hulman.EDU!EE469APROF
From: EE469APROF@ROSEVC.Rose-Hulman.EDU
Newsgroups: rec.ham-radio
Subject: SUBSCRIBE
Message-ID: <AA7EC537E9BF20999E@ROSEVC.Rose-Hulman.Edu>
Date: 17 Apr 90 20:38:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1
Posted: Tue Apr 17 21:38:00 1990

SUBSCRIBE INFO-HAMS JOHN K9CUN DERRY ROSE-HULMAN INST OF TECHNOLOGY

From -3635555941175457903
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a39e5dbde551b6b5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-18 07:14:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Repeater Amps
Message-ID: <30500501@ux1.cso.uiuc.edu>
Date: 18 Apr 90 11:14:48 GMT
References: <22269@bellcore.bellcore.com>
Lines: 12
Nf-ID: #R:bellcore.bellcore.com:22269:ux1.cso.uiuc.edu:30500501:000:472
Nf-From: ux1.cso.uiuc.edu!phil   Apr 18 02:52:00 1990
Posted: Wed Apr 18 12:14:48 1990

Why is it necessary to have repeaters with so much power?

I can see it if it is a repeater with a wide area of remote receivers.

But if it is a repeater with a common antenna for transmit and receive, then 250 watt transmit will make it heard wider than it can be hit from the average 25 to 50 watt mobile station.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 3008369483373880210

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c19e1beb4370e0d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-18 07:18:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!psuvax1!rutgers!rochester!rit!cci632!dvh
From: dvh@cci632.UUCP (David Hallidy)
Newsgroups: rec.ham-radio
Subject: Re: TS930s Problem
Message-ID: <36037@cci632.UUCP>
Date: 17 Apr 90 16:51:16 GMT
References: <635.26279072@weyr.FIDONET.ORG>
Organization: Computer Consoles Inc. An STC Company, Rochester NY
Lines: 54
Posted: Tue Apr 17 17:51:16 1990

In article <635.26279072@weyr.FIDONET.ORG>, katz@weyr.FIDONET.ORG (sylvan katz) writes:

> I have a TS930s with antennae tuner. Lately, as I am sending cw I have noticed that the ALC starts to drift lower so I turn up the carrier and it keeps drifting down until I lose that ALC. Can anyone give me any suggestions as what to look for or do? PS: I have never had to turn the carrier up to maximum. Sooner or later I fid a point usually a little over half way where the length of the QSO is less than the drift. Also, if I do not key the transceiver for a while the ALC is up to high and I have to tur

n
>

You didn't mention how old your 930 is, but I suspect it's probably got a serial number something like 32xxxxx or lower (the first two numbers are the important ones here). Anyway, there was a problem with the early 930's with ALC drift, caused by flexure of the PA printed circuit board. Sounds weird, but true. As the PA board heats up with long transmissions, particularly on CW, the board flexes and the rivets which are used on the board to provide ground feedthroughs from one side to the other don't always make real good contact with both sides of the board. When the board cools down, it flattens out and the problem goes away, until the next time you transmit. Under certain conditions of hot board and high RF currents on the board grounds, it may not be possible to get full power out of the PA.

The fix is: CAREFULLY remove the PA assembly from the radio (not fun), and EVEN MORE CAREFULLY remove the PA board from its heatsink. Be sure to observe that under certain of the transistors which are bolted to the 'sink are some insulating pads- very important to get them back in the right places, or ZAP! when you turn it on. With the board in your hand, observe that there are a number of locations (maybe as many as 20- I don't precisely remember, last time I fixed one was in '84) where there are small rivets going through the board to tie the grounds together. Some of these places include the areas around the Emitters of the Final Transistors (the MRF422's) and around the Emitters of the Drivers. Solder each of these points, making sure that the solder REALLY FLOWS at each joint of a rivet and the board. Don't be afraid to get the board good and hot- you want all that green coating around the joint to fall off so you can get a good solder connection. Make sure you do this at all such areas, also reheat any suspicious-looking joints around the rest of the PA board. After you do this, you can put it back together- use heatsink grease under each device, including the Finals. Screw the devices securely back down to the heatsink, and re-install the assembly in the radio. This should have cured the ALC drift problem.

WARNING: If you are not comfortable with this work, DON'T ATTEMPT IT! You can, if not careful and somewhat skillful, really F**K up the radio! Also, Kenwood Service has a Service Bulletin on this problem, which may provide more detail on the locations of the feedthroughs and other important stuff I may have forgotten. I'd suggest contacting them at least for the bulletin and maybe for a quote on them doing the job- they may have a flat charge for this, the added benefit being they will also do the other standard service updates to the unit for no additional charge (there are a lot of things that got updated in the early 930's).

I used to be Sales/Service Manager for Texas Towers and did a lot of out of warranty work on Kenwood Equipment, that's how I know about this fix- also, I had one of the first 930's in the States, in addition to the one I currently own (bought well after they had fixed all the early production problems).

Hope this has helped.   Dave KD5RO/2

From -3808359019708987224
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9a5e8b47bf88d153
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-18 07:44:23 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!wuarchive!zaphod.mps.ohio-state.edu!sdd.hp.com!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.HP.COM (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: RFI to Entertainment Devices
Message-ID: <7120117@hpcupt1.HP.COM>
Date: 17 Apr 90 19:47:38 GMT
References: <XZNoH1w161w@w8grt.fidonet.org>
Organization: Hewlett Packard, Cupertino
Lines: 13
Posted: Tue Apr 17 20:47:38 1990

The steel wool route probably works, but Radiokit sells ferrite beads to fit both RG-58 and RG-8 sized coax. These work like a champ and would look better. The address is:

Radiokit
P.O. box 973-c
Pelham, NH 03076

603-437-2722

73's
Jim, WA6SDM @ aa4RE
jholly.hpcupt1.hp.com

From -5918363882565413873
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d249ea0f5d095d9e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-18 07:51:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!sdd.hp.com!hplabs!hpda!hpcupt1!bmp
From: bmp@hpcupt1.HP.COM (Brian M. Perkin)
Newsgroups: rec.ham-radio
Subject: Re: Lo-Jack
Message-ID: <7120116@hpcupt1.HP.COM>
Date: 17 Apr 90 18:13:16 GMT
References: <9004091239.AA00049@adam.DG.COM>
Organization: Hewlett Packard, Cupertino
Lines: 7
Posted: Tue Apr 17 19:13:16 1990

Has anyone tried to DF this signal? I can see potential for volunteers in police or sheriff's reserves getting drawn from the ham or search and rescue community or vice versa.

Brian Perkin
N6RSW
and Civil Air Patrol

From 2379192069130143978
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6ed75a1bebfdbec
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-18 07:59:02 PST
Path: gmdzi!unido!mcsun!uunet!nems!mimsy!haven!aplcen!samsung!cs.utexas.edu!tut.cis.ohio-state.edu!snorkelwacker!husc6!m2c!wpi!daver
From: daver@wpi.wpi.edu (Schnickov)
Newsgroups: rec.ham-radio
Subject: Re: 10m propagation
Summary: Re: 10m prop.
Message-ID: <11818@wpi.wpi.edu>
Date: 18 Apr 90 11:34:24 GMT

References: <11309@portia.Stanford.EDU>
Organization: Schnickov & Parthans, inc.
Lines: 18
Posted: Wed Apr 18 12:34:24 1990

> was transmitting out west and the signal was going around the planet and
> reaching someone to the east, and vice versa when I received! This is
> really strange as I never thought long path propagation would be possible
> on 10 meters since it is a daytime band, and to do long path the signal
> has to cross all the way across the dark side of the earth. But it
> seems to have been happening. Has anyone else noticed this on 10m?

Sorry, but what is probably happening is your beam ant. is not truly uni-directional. Some of the directors will be acting as reflectors and vice versa.

`'`'`'`'`'`'`'`'`'`'`'`'`'`'`'`'`'`'`'`'`'`'`'`'`'`'`'`'`'`'`'`'`'`'`'`'`'`'`'
David Ritchie | "If anyone doubts my veracity, I can only say I pity his
daver@wpi.wpi.edu | lack of faith." - Baron Munchasen
~~~~~~

From -768650619455618453
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,47c38db15c9458be
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9b5b,d1f2377e1e51f764,start
X-Google-Attributes: gidf9b5b,public
X-Google-ArrivalTime: 1990-04-18 13:20:40 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!nosc!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley -- W B 6 W U I)
Newsgroups: rec.ham-radio
Subject: Re: Need info on Kenwood Rmt Control!
Message-ID: <2290@crash.cts.com>
Date: 18 Apr 90 14:56:09 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 14
Posted: Wed Apr 18 15:56:09 1990

I too have had some ideas on using to remote support offered via the mic connector, but at high price for the RC-10 controller, this project has languished. I would like to interface a separate UHF receiver/transmitter to my TM-321 (220Mhz.) so as to operate cross-band (like the new crop of dual-banders) in full duplex. All this to be done out of the car to enhance my fringe area coverage via my UHF walkie.

So if you have any info, please pass it along, Email or Usenet.

~~~~~~

```
| Mike Shirley,  WB6WUI         INET: mikey@pnet01.cts.com               |
| PO Box 460                    ARPA: crash!pnet01!mikey@nosc.mil        |
| Lakeside, CA  92040-0460      UUCP: {hplabs!hp-sdd nosc}!crash!pnet01!mikey |
------------------------------------------------------------------------------
```

From -2199927108333186838
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a39e5dbde551b6b5
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9b5b,b05b9e81192cb95,start
X-Google-Attributes: gidf9b5b,public
X-Google-ArrivalTime: 1990-04-18 13:20:44 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucsd!nosc!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley -- W B 6 W U I)
Newsgroups: rec.ham-radio
Subject: Re: Repeater Amps
Message-ID: <2291@crash.cts.com>
Date: 18 Apr 90 15:16:03 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 39
Posted: Wed Apr 18 16:16:03 1990

phil@ux1.cso.uiuc.edu writes:
>
>Why is it necessary to have repeaters with so much power?
>
>I can see it if it is a repeater with a wide area of remote receivers.
>
>But if it is a repeater with a common antenna for transmit and receive,
>then 250 watt transmit will make it heard wider than it can be hit from
>the average 25 to 50 watt mobile station.
>
>
>--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
><phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

I would say that in 250 watts may get you 100 to the base of the antenna after losses from duplexer, long feed line, and having less than the rated output. 250 maybe when operating at full input power and using 13.8 volts. Our system users a 120 watt Mirage repeater amp, running 73 watts output to the duplexer, 55 watts out of the duplexer through 50 feet of 1/2" hardline. Our receiver is .18 microvolts for 12 Db Sinad, .24 through the duplexer. This combination is fairly balanced when using a 25-30 watt mobile transceiver with a 3 DB gain antenna. But when using a portable, we tend to get into the repeater receiver better than hearing it. Due to ignition pulse noise, man-made noise, rubber antennas and inside car operation, we could benefit from more power to fill in the marginal areas. We do have one satellite receiver and one remote receiver to help the portables along.

If you have a clear repeater channel (a seldom enjoyed luxuary in Sandy Eggo now adays) then the more power the better. Same in mobile operation. I seldom run "low power" in the car (unless operating Simplex) as I want a full quieting signal into the repeater as much as possible. It's inconsiderate and irritating to repeat white noise for all other listeners to hear.

```
-------------------------------------------------------------------------------
| Mike Shirley,  WB6WUI         INET: mikey@pnet01.cts.com                    |
| PO Box 460                    ARPA: crash!pnet01!mikey@nosc.mil             |
| Lakeside, CA  92040-0460      UUCP: {hplabs!hp-sdd nosc}!crash!pnet01!mikey |
-------------------------------------------------------------------------------
```

```
From 452910996631877822
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e43f2c27bfafbf27
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-18 13:28:22 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: StarTrek and Packet Radio
Message-ID: <681@idacrd.UUCP>
Date: 18 Apr 90 16:08:36 GMT
References: <4VRqH1w161w@w8grt.fidonet.org>
Organization: idacrd, princeton, nj
Lines: 33
Posted: Wed Apr 18 17:08:36 1990
```

From article <4VRqH1w161w@w8grt.fidonet.org>, by jim.grubs@w8grt.fidonet.org (Jim Grubs):

> >how he used DSP and a Commodore 64 at work to decode the
> >digital signals in
> >"Star Trek IV" (I THINK it was a C64 - I remember that it
> >started with a "C").
>
> I had to smile when I read this. The computer used was a Cray which
> compared to a C64 is like comparing roller skates to a Porsche 959 and
> even that may be too narrow a comparison.
>
>   73 de Jack, N9ICE

Barry and I know each other quite well and I think his obvious (to me) tongue in cheek was missed. The computer used was a Cray-2. It has 256 megawords of 64 bit memory and four processors running in parallel. The Cray Research Corp has done a good job of achieving reasonable parallel performance with little in the way of hardware support for it. The Cray was used as a software demodulator running the `optimal' FSK demod. This is

bandpass filter, hard limiter, bandpass filter, discriminator of your favorite variety. I chose filter/slicer (its simple). I chose not to do the clock recovery on the Cray and let the Crayette (KA9Q's little grey cells) do the clock recovery and NRZI decoding.

```
73
Bob

--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------


From 5446395128676410254
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b294835f3acd036d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-18 17:57:58 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!gvgpsa!johnk
From: johnk@gvgpsa.GVG.TEK.COM (John Kirby)
Newsgroups: rec.ham-radio
Subject: Using VISITEL's for Slow-scan TV on ham
Keywords: SSCT, Slow scan, TV
Message-ID: <1460@gvgpsa.GVG.TEK.COM>
Date: 18 Apr 90 19:41:21 GMT
Organization: Grass Valley Group, Inc., Grass Valley, CA
Lines: 85
Posted: Wed Apr 18 20:41:21 1990


I'm posting this article for John Langner who tried to respond to my
earlier article but "news" wasn't being cooperative ...   John Kirby

--------------------
Earlier article...

>I bought a Visitel picture telephone a couple of months ago to stay
>in visual contact with relatives.  The thought occurred to me that
>it could also be the "poor man's" method of slow scan TV on ham.
>
>Questions:
>
>*   has anyone tried it?
>*   any complications?
>*   is it compatible with any mode of existing "regular" slow scan TV/ham
>    equipment?
>
> ...............

>John Kirby

=====

Follow-up....
---------------------------
```

I have not tried a Visitel on the radio but I have serious doubts that it could ever work. The details of the transmission format are a little fuzzy in my brain but here is what I recall.

The image starts with a digital header containing synchronization signals and information about the image size. After this there is NO horizontal sync as in most ham SSTV formats.

The picture is composed of 96 x 96 pixels of 32 gray levels.
The pixel rate and audio carrier frequency are both 3579545/2048 per second. Gray levels are conveyed by a combination of phase and amplitude modulation. 2 phases (180 degrees apart) and 16 amplitudes.
Each pixel is one audio cycle.

This is fine for a phone line or FM radio. Let's perform a thought experiment about what would happen on SSB ...

Suppose your tuning was off by 20 Hz. The receiving end expects one pixel per audio cycle and would gather the pixels at 1727 or 1767 per second while the sender is producing them at 1747 per second.
The phasing would be all messed up. AGC and QSB would also mess up the amplitude modulation of the audio carrier.

Several people have proposed using the Visitel for HF SSTV but I have never heard of any success. I would be very interested in hearing more about people's experiences with it.

If you would like to try SSTV at a low cost use your home computer.

* AEA has an interface for the Amiga for about $300.

* SPEC-COM has SSTV software for the Radio Shack COCO. I think it was about $40.

* A color SSTV program for the Atari ST is available from several user groups. It requires a simple interface that can be built for about $7. See 73, December 89 and January 90.

* I have a vague recollection of a product for the IBM PC from a company named something like Computer Systems Consulting. But it was only black & white. You don't see too many B&W pictures anymore.

In summary,

- The Visitel is not compatible with any of the ham SSTV modes.
- The Visitel modulation scheme can't be decoded by the usual Frequency to Voltage demodulators.
- I seriously doubt the Visitel would work over an SSB radio. (Please, someone - prove that I'm wrong!)

Color SSTV can be very expensive but it doesn't have to be anymore.

If you must have 262,144 colors, spend $1295 on a Robot 1200C. If you want to make only a small investment to try something new, use one of the systems based on a home computer.

John Langner, WB2OSZ
mit-eddie!polygen!john

From -1987753947510890368
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,47c38db15c9458be
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-18 23:58:12 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!ames!amdcad!sun!enterprise!kirk
From: kirk%enterprise@Sun.COM (`Captain' Kirk DeHaan)
Newsgroups: rec.ham-radio
Subject: Re: Need info on Kenwood Rmt Control!
Message-ID: <134538@sun.Eng.Sun.COM>
Date: 18 Apr 90 14:34:27 GMT
References: <800@billp.UUCP>
Sender: news@sun.Eng.Sun.COM
Lines: 35
Posted: Wed Apr 18 15:34:27 1990

From article <800@billp.UUCP>, by billp@billp.UUCP (Bill W. Putney):

> I am building a controller for my club's Repeater/Remote-Base. I know, hams aren't suppose to be into building things anymore... What we don't want to build are the remote controlled radios. We've looked at the ICOM 900 series radios and the Kenwood radios. The Kenwood radios interface through the mic connector on one or two leads, the ICOM is a stack of pins!
>
> The problem is that Kenwood is being real tight lipped about the protocols used between there control heads and the radios. I even offered to sign a non-disclosure agreement. They just aren't interested.
>
> Before I spend the money on a control head I'll never use and weeks of time spoofing the protocol myself, I'd like to find out if there is someone out there in Usenet land that's already done it and is willing to share.
>
> Any help or pointers would be greatly appreciated.
>
> -Bill Putney {ames|pacbell|tymix|oliveb}!unet!billp
> or billp@NET.COM or (415)780-5309

I don't know what the problem is with Kenwood USA. I was in need of the same information awhile back and got the same response from the USA office. After searching around and asking many people I finally came across a fellow in Ga. that was able to get the information faxed to him from Japan. They were more than happy to give it to him. They sent the information the next day no less. I was able to get a copy from him but have not been able to implement it yet.

I would suggest contacting Kenwood Japan.

'Captain' Kirk DeHaan net - kirk@sun.com
Sun Microsystems Inc. packet - n6sxr.ampr.org
cis - 73427,1657

From 7046055664969544144
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49387ac9a2f3dc07,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,49387ac9a2f3dc07,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-04-19 09:43:50 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!unisoft!washer
From: washer@unisoft.UUCP (Jim Washer)
Newsgroups: sci.electronics,rec.ham-radio
Subject: capacitors at vhf
Keywords: capacitors vhf
Message-ID: <2928@unisoft.UUCP>
Date: 18 Apr 90 22:48:01 GMT
Lines: 18
Xref: gmdzi sci.electronics:6317 rec.ham-radio:10940
Posted: Wed Apr 18 23:48:01 1990

I am attempting to build a low power fm transmitter. The circuit calls for NPO ceramic caps, however these little buggers are quite difficult to locate. The local radio shop suggested that I substitute silver-mica, however I have been told that silver micas 'fail' at much over 50MHz. The circuit in question will run 88Mhz (part 15) and then be adapted to 144MHz (ham band).

Any ideas on where to locate NPO's are what to use as a substitute??

BTW - the values are 330pF, 0.1uF, 0.001uF

Thanks in advance es 73's

- jim washer KK6GQ
UniSoft Corp
(415)420-6410 x137
uunet!unisoft!washer washer@unisoft.com

From -7993739397122988464
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,49387ac9a2f3dc07
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,49387ac9a2f3dc07
X-Google-Attributes: gid105d97,public

X-Google-ArrivalTime: 1990-04-19 16:26:32 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!rutgers!rochester!rit!cci632!dvh
From: dvh@cci632.UUCP (David Hallidy)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: capacitors at vhf
Keywords: capacitors vhf
Message-ID: <36100@cci632.UUCP>
Date: 19 Apr 90 17:01:31 GMT
References: <2928@unisoft.UUCP>
Organization: Computer Consoles Inc. An STC Company, Rochester NY
Lines: 39
Xref: gmdzi sci.electronics:6321 rec.ham-radio:10944
Posted: Thu Apr 19 18:01:31 1990

In article <2928@unisoft.UUCP>, washer@unisoft.UUCP (Jim Washer) writes:

> I am attempting to build a low power fm transmitter. The
> circuit calls for NPO ceramic caps, however these little buggers
> are quite difficult to locate. The local radio shop suggested
> that I substitute silver-mica, however I have been told that silver
> micas 'fail' at much over 50MHz. The circuit in question will run
> 88Mhz (part 15) and then be adapted to 144MHz (ham band).
>
> Any ideas on where to locate NPO's are what to use as a substitute??
>
> BTW - the values are 330pF, 0.1uF, 0.001uF

Jim- NPO ceramic capacitors are generally used in a circuit because of their retention of a fairly constant capacitance over temperature, NOT because they are particularly better-suited at VHF than other types. (that came out a little more confused-sounding than I thought it would, but I think you get the picture). Silver Mica capacitors work EXTREMELY WELL at the lower to middle VHF frequencies. The only real warning is that the breakdown voltage ratings of these capacitors can be more easily exceeded at VHF than maybe some other types of caps, but their value is stable and their self-resonant frequency is generally high.

Typically, you'd use an NPO ceramic in a frequency-determining circuit (such as an oscillator) or other circuit where the caps' characteristics need to be stable over temperature. However, there are other types of temp-compensating caps (N470, N750 to name two) which are also popular, but have very different temperature coefficients. Their drift (characterized by type) can be used to stabilize an oscillator which is drifting in the opposite direction.

If the circuit in question is not an oscillator, or something equally critical, then probably almost any ceramic cap or silver mica will work fine.

I hope this helps and doesn't confuse you more.

Dave H. KD5RO/2

From 6219609751569216527
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,89a65985a0b9ae92,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-20 05:09:00 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!ucsd!ucbvax!ILJCT.BITNET!ARYEH
From: ARYEH@ILJCT.BITNET
Newsgroups: rec.ham-radio
Subject: RE: INFO-HAMS Digest V90 #348
Message-ID: <9004250212.AA23761@ucbvax.Berkeley.EDU>
Date: 20 Apr 90 12:09:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Fri Apr 20 13:09:00 1990

I am wondering if any of the microwave fans out in netland can provide me with info, references, etc. on any use of the spectrum 100 GHz and up. Do such frequencies require methods that are very different from 24 GHz systems?

73,

--Aryeh Weiss (4X/KA1PB)

From -3414335602217320351
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6464c74587f8fe2d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-20 06:51:15 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!helios.ee.lbl.gov!pasteur!ucbvax!skvax1.csc.ti.com!anderson
From: anderson@skvax1.csc.ti.com
Newsgroups: rec.ham-radio
Subject: Computer Interfaces
Message-ID: <9004201611.AA25740@ti.com>
Date: 20 Apr 90 13:51:15 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Fri Apr 20 14:51:15 1990
X-Local-Date: 20 Apr 90 06:51:15 PDT

I have noticed several recent postings on the computer interfaces to YAESU and ICOM equipment, and was wondering if someone will also post the information for KENWOOD.

Also, would anyone be able to critique the pros and cons of any or all of these interfaces.

Thanks

John Anderson N5OPY

From -4235949736911211204
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d0e8b6487bb7debc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-21 11:11:55 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!sdd.hp.com!decwrl!shelby!portia!news
From: news@portia.Stanford.EDU (USENET News System)
Newsgroups: rec.ham-radio
Subject: Re: HATE MONGERING MUSHBRAINS
Message-ID: <11462@portia.Stanford.EDU>
Date: 21 Apr 90 18:11:55 GMT
References: <1990Apr21.060104.20254@lopez.UUCP>
Sender: USENET News System <news@portia.stanford.edu>
Organization: The Three Packeteers
Lines: 74
Posted: Sat Apr 21 19:11:55 1990

From: paulf@jessica.Stanford.EDU (Paul Flaherty)
Path: jessica!paulf

I couldn't pass this one up...

In article <1990Apr21.060104.20254@lopez.UUCP> arf@lopez.UUCP (Jack Schmidling) writes:
> However, I will take this opportunty to help you understand
> why I consider about 95% of hams, "MUSHBRAINS".

Well, I see you're into digging your own grave. That's useful.

> Most of us can do that with a power meter and SWR bridge.

Which might test your LO, but not much else. You won't learn anything about band conditions that way. Of course, it wouldn't bother us if your BROADCASTING was done into a dummy load (a fitting term)...

> ARF: A real crushing flood of feedback, huh?

You should have seen my mailbox after my previous posting.

> ARF: The kind that gets all glassy-eyed when asked anything
> more controversial than "how's my smoke?"

Ham radio is supposed to be apolitical and noncontroversial. That's tradition, the law, and common sense. Amateur Radio is an international political football, and some of us havn't forgotten the recordings that anti - ham administrations played of operations like ARF during WARC '79.

> ARF: Congrats Bob, however there is more to hamming than
> just what your particular narrow interest happens to be.

A cube of sugar in a vat of sulfuric acid.

> You do your thing, I do mine. That's what is supposed to
> make it fun, not a source of conflict.

This is the sort of moral philosophy that fundamentally wrong. It pretends
that "our things" won't conflict. Moreover, it equalizes all actions,
eliminating the concept of right and wrong, or any gradiation between.
"I'm okay, you're okay". Yeah, riiiight.

> ARF: The major deterent to Oscar use is money not IQ and anyone
> who has done it knows that.

I've built OSCAR stations for less than the cost of an HF rig. They don't
have all the bells and whistles like autotracking and automatic Doppler,
but that just means that the op has to have a little upstairs. With the
advent of the pacsats, one can get involved for under $100.

> I lost interest for the same
> reason I lost interest in ham radio in general, its just
> plain boring.

So you've decided to spice things up by becoming the Geraldo of 80m???

> On the Amateur Radio Forum, one can engage his brain in a
> debate on any topic (except ham crap) and hang in there till
> the sun comes up.

ARF is not debate. It's one - sided tabloid hucksterism. Debate is a
structured, BALANCED discussion of relevant issues. Debaters take well
reasoned, persuasive positions, granting arguments when proven wrong.
Debaters do not indulge in personal attacks, unless so attacked. The
junior and senior high school kids that I coach and judge in debate abide
by those rules.

> If you find that a poor use of ham
> spectrum, then I am afraid I find your kind, a poor use of
> human tissue.

Nice try. I know ninth - grade ghetto kids who throw better insults.
-=Paul Flaherty, N9FZX/VK2WYX | "Unix could use a more user-friendly front
->paulf@shasta.Stanford.EDU | end. Does anyone have a card punch handy?"

From 7533855298196380749
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Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9004220702.AA18721@ucbvax.Berkeley.EDU>
Date: 21 Apr 90 20:37:18 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 375
Posted: Sat Apr 21 21:37:18 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #681 -
Alouette 1
1 00424U 62B-A  1 90106.14449276  .00000222  00000-0  25670-3 0  2715
2 00424  80.4664 347.2452 0024551  72.0267 288.3557 13.67327334374212
ATS 3
1 03029U 67111  A 90 88.80489108 -.00000075  00000-0  99999-4 0  3113
2 03029  13.1000  21.8559 1511727 213.1891 136.3776  1.00274601 82004
Cosmos 398
1 04966U 71 16  A 90109.21834840  .00109246  17005-4  61478-3 0  7636
2 04966  51.5229  26.0109 2321080  36.7465 337.1976 10.95487257585200
Starlette
1 07646U 75010  A 90108.05972562 -.00000043  00000-0  13825-4 0   262
2 07646  49.8256  35.7376 0205602 352.6495   7.1399 13.82135324767460
LAGEOS
1 08820U 76039  A 90109.23025621  .00000002  00000-0  00000 0 0   423
2 08820 109.8527 334.9416 0044284 250.8774 108.7137  6.38663193 70174
GPS-0001
1 10684U 78020  A 90109.10016616  .00000008  00000-0  99999-4 0  3605
2 10684  63.6816  91.3524 0115689 198.8734 160.6832  2.00556599 74665
GPS-0002
1 10893U 78 47  A 90105.08364811 -.00000025  00000-0  00000 0 0  1105
2 10893  64.4089 332.3719 0162947  25.7268 335.1280  2.00547306 87409
SeaSat 1
1 10967U 78064  A 90107.21409022  .00001053  00000-0  40785-3 0  2646
2 10967 108.0086 194.3387 0000072 253.8254 106.2900 14.35557679617702
GPS-0003
1 11054U 78093  A 90104.87976378 -.00000025  00000-0  00000 0 0  1941
2 11054  63.9590 328.6889 0086113 115.1377 245.8229  2.00566651 84413
Nimbus 7
1 11080U 78098  A 90106.25930630  .00000151  00000-0  16622-3 0  6417
2 11080  99.2005  12.5767 0008160 250.2183 109.8090 13.83418079579474
GPS-0004
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1 11141U 78112  A 90108.96490347  .00000008  00000-0  00000 0 0  3101
2 11141  63.6741  91.2846 0060660 316.2108  43.3095  2.00559778 83194
GPS-0005
1 11690U 80 11  A 90108.60679715  .00000009  00000-0  00000 0 0  9253
2 11690  64.1815  93.3452 0113493 204.2889 155.1592  2.00556558 89049
GPS-0006
1 11783U 80 32  A 90108.91533431 -.00000025  00000-0  00000 0 0   897
2 11783  63.7424 328.1366 0148644  60.4760 301.0342  2.00574331 73139
GOES 5
1 12472U 81049  A 90106.84568444 -.00000226  00000-0  99999-4 0  8503
2 12472   3.3258  76.5733 0002731 319.4670  40.7581  1.00238534 31637
DE 1
1 12624U 81 70  A 90108.22137326  .00000009  00000-0 -18609-3 0  3648
2 12624  89.0759 148.5013 6209119 302.1968  12.2323  3.51022798260013
SME
1 12887U 81100  A 90109.66648628  .00044488  00000-0  89873-3 0  5667
2 12887  97.6426 153.7194 0002296 157.9428 202.1915 15.46361441472218
Salyut 7
1 13138U 82 33  A 90109.63889480  .00054974  00000-0  68545-3 0  1630
2 13138  51.6035 239.7366 0000595 327.7730  32.3082 15.59345562455706
Cosmos 1383
1 13301U 82 66  A 90108.70571153  .00000152  00000-0  16672-3 0  5446
2 13301  82.9354 344.3785 0027657 328.7150  31.2348 13.67817871389547
LandSat 4
1 13367U 82 72  A 90108.11255504  .00000363  00000-0  85690-4 0  2874
2 13367  98.1707 171.8043 0002762 343.9130  16.2016 14.57139763412557
IRAS
1 13777U 83  4  A 90108.55115501  .00000438  00000-0  32833-3 0  7356
2 13777  99.0310 306.2616 0012429 184.5311 175.5781 13.98768568 38606
Cosmos 1447
1 13916U 83 21  A 90108.26500818  .00000161  00000-0  15928-3 0  6849
2 13916  82.9416  56.3528 0037609 309.0650  50.7175 13.74028158354443
TDRS 1
1 13969U 83 26  B 90101.84800313 -.00000208  00000-0  00000 0 0  9445
2 13969   4.3199  66.6757 0006902 263.4646  96.1837  1.00274607 92418
GOES 6
1 14050U 83 41  A 90109.02602434  .00000122  00000-0  99999-4 0  1161
2 14050   2.0728  79.4913 0007491 211.5516 148.8074  1.00267683  9673
OSCAR 10
1 14129U 83 58  B 90107.09513685  .00000012  00000-0  00000 0 0  4633
2 14129  25.9625 208.7658 5976985 135.3757 292.1127  2.05880525 23479
GPS-0008
1 14189U 83 72  A 90109.48559841  .00000007  00000-0  99999-4 0  7451
2 14189  63.3441  89.7163 0148060 219.0534 139.9077  2.00708867 49583
LandSat 5
1 14780U 84 21  A 90109.71871563  .00001014  00000-0  23492-3 0  1106
2 14780  98.2103 170.6453 0002753  94.7763 265.3786 14.57115260326206
UoSat 2
1 14781U 84 21  B 90109.22528228  .00002143  00000-0  40644-3 0  6545
2 14781  97.9560 163.6983 0014085  74.5343 285.7508 14.65184891327339
GPS-0009
1 15039U 84 59  A 90109.06710618  .00000006  00000-0  00000 0 0  8873
2 15039  63.0903  88.9239 0022041 242.8650 116.9454  2.00613001 42858
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Cosmos 1574
1 15055U 84 62  A 90107.95391887  .00000142  00000-0  14082-3 0  8379
2 15055  82.9574 106.7198 0028178 127.3072 233.0659 13.73342387291802
GPS-0010
1 15271U 84 97  A 90107.96783500 -.00000025  00000-0  00000 0 0  7758
2 15271  63.2523 327.7666 0104756 325.8383  33.5484  2.00574055 39941
Cosmos 1602
1 15331U 84105  A 90108.90903598  .00003863  00000-0  53301-3 0  2080
2 15331  82.5327  55.8338 0022502 160.8456 199.3675 14.77774567299336
NOAA 9
1 15427U 84123  A 90108.34122854  .00000576  00000-0  33264-3 0  5045
2 15427  99.1678 106.7859 0015337 173.3188 186.8198 14.12522196275533
Cosmos 1686
1 16095U 85 86  A 90108.86978047  .00119814  00000-0  14769-2 0  5512
2 16095  51.6041 243.6081 0001636 334.5919  25.1853 15.59300109256688
GPS-0011
1 16129U 85 93  A 90109.63735600  .00000007  00000-0  00000 0 0  4567
2 16129  63.8526  89.8225 0122067 149.8668 210.8542  2.00511339 33186
Mir
1 16609U 86 17  A 90109.66467052  .00056246  00000-0  61125-3 0  5390
2 16609  51.6167 265.2259 0013644  45.6942 314.5089 15.62800180238968
SPOT 1
1 16613U 86 19  A 90108.67445677  .00001078  00000-0  52424-3 0  8406
2 16613  98.7030 183.9067 0001544  54.2772 305.8537 14.20033977 55480
Cosmos 1766
1 16881U 86 55  A 90109.42529209  .00003088  00000-0  43042-3 0  9232
2 16881  82.5205 114.4831 0021950 176.2899 183.8495 14.77303400200479
EGP
1 16908U 86 61  A 90 96.51913600  .00000014  00000-0  39817-3 0  1734
2 16908  50.0086 116.3154 0011133  15.7496 344.3683 12.44386633165932
NOAA 10
1 16969U 86 73  A 90109.58846945  .00000692  00000-0  32009-3 0  3654
2 16969  98.6060 138.8356 0014738  80.6109 279.6735 14.23550301186270
MOS-1
1 17527U 87 18  A 90108.67822013  .00000312  00000-0  25820-3 0  4736
2 17527  99.1100 181.9867 0000555  71.8521 288.2727 13.94851057160964
GOES 7
1 17561U 87 22  A 90106.73044257 -.00000046  00000-0  99999-4 0  4701
2 17561   0.0997  97.4646 0013747 245.7002  16.9344  1.00274470  4809
Kvant-1
1 17845U 87 30  A 90108.83337476  .00048684  00000-0  53248-3 0   572
2 17845  51.6197 269.4298 0014341  46.5196 313.7429 15.62684622174889
DMSP B5D2-3
1 18123U 87 53  A 90105.99782577  .00000725  00000-0  40165-3 0  5244
2 18123  98.8214 297.4311 0014196 196.8915 163.1792 14.13964617145614
RS-10/11
1 18129U 87 54  A 90108.88113505  .00000083  00000-0  84167-4 0  1032
2 18129  82.9300  12.3433 0010466 287.3094  72.6888 13.72079252141318
Meteor 2-16
1 18312U 87 68  A 90105.99259182  .00000219  00000-0  18868-3 0  3927
2 18312  82.5594 339.5995 0014041  67.2744 292.9899 13.83632168134381
Meteor 2-17
1 18820U 88  5  A 90105.74892515  .00000232  00000-0  19773-3 0  2154
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2 18820  82.5403  40.0874 0017435 135.9341 224.3216 13.84314289111547
DMSP B5D2-4
1 18822U 88  6  A 90105.97564903  .00000745  00000-0  35884-3 0  4410
2 18822  98.6577 346.2712 0007751  88.5723 271.6342 14.21368081113984
AO-13
1 19216U 88 51  B 90107.22718718 -.00000161  00000-0  99999-4 0   870
2 19216  57.0410 159.3492 6931849 225.2854  51.5551  2.09704352 14121
OKEAN 1
1 19274U 88 56  A 90108.84901738  .00006055  00000-0  85852-3 0  7139
2 19274  82.5178 213.6310 0020835 319.5620  40.4257 14.76732120 96163
Meteor 3-2
1 19336U 88 64  A 90107.63707644  .00000392  00000-0  99999-3 0  4090
2 19336  82.5453 320.2830 0017975  99.7197 260.5867 13.16886413 82982
NOAA 11
1 19531U 88 89  A 90108.05981911  .00000826  00000-0  47477-3 0  2209
2 19531  98.9774  56.3199 0013208  93.3319 266.9373 14.11542098 80481
TDRS 2
1 19548U 88 91  B 90106.90620808  .00000131  00000-0  99999-4 0   830
2 19548   0.0836  54.7981 0001931 350.1664 315.0104  1.00276957  4835
Cosmos 2001
1 19796U 89 11  A 90108.87342124 -.00001019  00000-0  99999-4 0  4413
2 19796  63.1411 100.4423 7115356 319.8904   5.0341  2.00629467  8610
GPS BII-01
1 19802U 89 13  A 90101.65668806  .00000016  00000-0  99999-4 0   758
2 19802  55.0618 200.0320 0058197 160.4952 199.7551  2.00563097  8413
Akebono
1 19822U 89 16  A 90109.43407065  .00020797  00000-0  14718-2 0  5190
2 19822  75.1362 267.4315 4194601 259.1784  52.2662  7.07469211 29266
Meteor 2-18
1 19851U 89 18  A 90105.63171137  .00000189  00000-0  16080-3 0  1633
2 19851  82.5166 278.2951 0014448 174.5317 185.5963 13.83955433 56919
TDRS 3
1 19883U 89 21  B 90106.54616291 -.00000235  00000-0  99999-4 0   619
2 19883   0.0667  31.5154 0002589 299.4183  29.0615  1.00268426  3273
GPS BII-02
1 20061U 89 44  A 90107.32450673 -.00000032  00000-0  00000 0 0   582
2 20061  54.7480  18.2924 0082503 173.5582 186.5725  2.00561703  6277
Nadezhda
1 20103U 89 50  A 90108.07664561  .00000123  00000-0  12050-3 0   944
2 20103  82.9600 329.3181 0036428 204.3235 155.6205 13.73580372 39467
GPS BII-03
1 20185U 89 64  A 90101.31106473  .00000016  00000-0  99999-4 0   525
2 20185  54.9301 200.9079 0025945 148.3528 211.8362  2.00559930  4722
Activnyi
1 20261U 89 80  A 90109.63200394  .00004329  00000-0  13588-2 0  3935
2 20261  82.5898 265.7267 1259560 110.7662 263.2803 12.43562862 25313
Activnyi RB
1 20262U 89 80  C 90109.89601302  .00001680  00000-0  52347-3 0  1570
2 20262  82.5900 265.5815 1262206 110.2458 263.8695 12.43114855 25347
Magion 2
1 20281U 89 80  B 90109.61237911  .00005444  00000-0  17006-2 0  4074
2 20281  82.5884 265.6876 1259354 110.7200 263.3261 12.43776601 25311
GPS BII-04
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1 20302U 89 85  A 90103.03517635 -.00000029  00000-0  99999-4 0   532
2 20302  54.6900 319.7179 0040810 310.9800  48.3615  2.00561961  3442
Meteor 3-3
1 20305U 89 86  A 90107.92169786  .00000038  00000-0  88330-4 0   769
2 20305  82.5471 260.4960 0017076 115.9703 244.3183 13.15854596 23022
COBE
1 20322U 89 89  A 90109.11158545  .00004594  00000-0  30422-2 0   729
2 20322  99.0187 119.9420 0007754 164.3787 195.7622 14.01834000 21219
Kvant-2
1 20335U 89 93  A 90108.76940963  .00048666  00000-0  53248-3 0  1755
2 20335  51.6188 269.7522 0013172  40.8396 319.3463 15.62697536 22475
GPS BII-05
1 20361U 89 97  A 90104.32207962  .00000015  00000-0  99999-4 0   222
2 20361  54.9643 142.8632 0056713  60.9293 299.6943  2.00577879  2449
SPOT 2
1 20436U 90  5  A 90108.63928929  .00000779  00000-0  38401-3 0  1023
2 20436  98.7106 183.8958 0001147 100.7860 259.3460 14.20032731 12291
UO-14
1 20437U 90  5  B 90109.83443853 -.00000791  00000-0 -30752-3 0   559
2 20437  98.6894 186.0998 0010933 328.6493  31.4049 14.28553472 12537
UO-15
1 20438U 90  5  C 90108.23698605  .00000389  00000-0  17186-3 0   434
2 20438  98.7028 184.5073 0010912 332.9002  27.1625 14.28326623 12309
PACSAT
1 20439U 90  5  D 90101.28423749  .00000597  00000-0  25351-3 0   409
2 20439  98.7103 177.6380 0011936 355.9543   4.1512 14.28656053 11313
DO-17
1 20440U 90  5  E 90101.28231988  .00000649  00000-0  27385-3 0   332
2 20440  98.7105 177.6413 0012157 355.7267   4.3784 14.28695269 11316
WO-18
1 20441U 90  5  F 90108.06890258  .00000550  00000-0  23387-3 0   314
2 20441  98.7049 184.4204 0012387 336.5363  23.5290 14.28808816 12283
LO-19
1 20442U 90  5  G 90101.27239403  .00000607  00000-0  25635-3 0   366
2 20442  98.7064 177.6445 0013107 356.1235   3.9789 14.28869171 11318
GPS BII-06
1 20452U 90  8  A 90103.54117547  .00000000  00000-0  99999-4 0   313
2 20452  54.6181 258.6046 0031593  42.5005 324.8619  2.00878562  1549
MOS-1B
1 20478U 90 13  A 90109.63662366  .00000846  00000-0  65541-3 0  1478
2 20478  99.1913 180.0920 0001042 129.3621 230.7735 13.94845811  9972
FO-20
1 20480U 90 13  C 90101.18898750  .00000074  00000-0  21541-3 0   228
2 20480  99.0471 160.3287 0540923 200.2148 157.6770 12.83125257  8156
1990 013D
1 20491U          90 99.62639391 0.00000379           76242-3 0   254
2 20491  99.0481 160.7986 0470810 191.7301 167.2548 13.02717578  7470
Soyuz TM-9
1 20494U 90 14  A 90108.83337805  .00048698  00000-0  53248-3 0   832
2 20494  51.6205 269.4302 0013799  45.0629 315.2340 15.62703495 10406
1990 015C
1 20498U          90 81.09953213 0.00059706           13764-2 0   454
2 20498  41.6300  68.4127 0038152  27.2360 333.0469 15.40934956  5476
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Raduga 25
1 20499U          90 81.06833755 0.00000001           10000-3 0   400
2 20499   1.4006 274.1312 0004873 103.7390 255.0465  1.00264606   352
1990 016D
1 20502U 90 16  D 90 84.10001850  .00000154  00000-0  99999-4 0   126
2 20502   1.4209 273.2174 0037369  64.0442 295.2518  1.00014886   405
Nadezhda 2
1 20508U 90 17  A 90107.38855265  .00000134  00000-0  13224-3 0   221
2 20508  82.9492 104.7366 0045282 153.1318 207.2196 13.73197116  6665
1990 017B
1 20509U          90 87.68788679 0.00000347           35298-3 0   296
2 20509  82.9522 119.2241 0041578 186.2581 173.8063 13.74435282  3967
OKEAN 2
1 20510U 90 18  A 90108.89574109  .00002511  00000-0  38723-3 0   612
2 20510  82.5266 152.3174 0021864 105.7819 254.5805 14.72935184  7341
1990 018B
1 20511U          90 89.05320873 0.00001995           30621-3 0   194
2 20511  82.5291 170.5611 0021053 166.6080 193.5693 14.73029041  4424
Progress M3
1 20513U 90 20  A 90108.76942038  .00048700  00000-0  53248-3 0   624
2 20513  51.6177 269.7553 0014443  42.6822 317.5523 15.62691448  7635
INTELSAT-6
1 20523U 90 21  A 90108.87166598  .00007500  00000-0  53421-3 0   500
2 20523  28.3479 292.5844 0016913 267.4443  92.5911 15.02668043  5514
Cosmos 2060
1 20525U 90 22  A 90109.59081454  .00009183  00000-0  15561-3 0   771
2 20525  65.0272 317.1972 0010096 267.5080  92.3513 15.52037015  5582
Cosmos 2061
1 20527U 90 23  A 90108.04488224  .00000118  00000-0  12060-3 0   195
2 20527  82.9406 190.3306 0030310 191.0676 168.9818 13.71244104  3984
1990 023B
1 20528U 90 23  B 90107.28619896  .00000383  00000-0  40438-3 0   343
2 20528  82.9417 190.8494 0024834 180.2038 179.9069 13.72639558  3876
GPS BII-07
1 20533U 90 25  A 90106.09181043 -.00000032  00000-0  00000 0 0   166
2 20533  55.0542  18.4398 0034301  99.3828 261.0299  2.00592776   354
1990 025C
1 20535U 90 25  C 90108.98409874  .00213228  16945-4  24598-2 0   356
2 20535  37.6037 358.2327 5984417 222.2562  71.6084  4.16988491  1009
1990 026A
1 20536U 90 26  A 90108.64498540 -.00002256  00000-0 -21004-1 0   379
2 20536  62.9344  21.4993 7365110 318.3598   4.7472  2.00624894   452
1990 026B
1 20537U 90 26  B 90109.68250342  .02917281  40186-4  12958-2 0   444
2 20537  62.7477 297.4607 0099738 120.8422 240.2949 16.10700131  3634
1990 026D
1 20539U 90 26  D 90108.42152150  .00000105  00000-0 -71130-3 0   144
2 20539  63.0581  21.2621 7340909 318.5658   4.7846  2.03000401   476
Offeq 2
1 20540U          90109.17333213  .00761119 -11840-4  24141-2 0   352
2 20540 143.2119 183.8238 0873204 179.3963 180.7861 14.17451417  2210
1990 027B
1 20541U 90 27  B 90109.18490436  .01067270 -13067-4  30949-2 0   289
```

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2 20541 143.2161 184.5508 0833212 180.7000 179.5953 14.27490540  2229
PegSat
1 20546U 90 28  A 90109.57184099  .00023436  00000-0  16622-2 0   255
2 20546  94.1400 184.0145 0146753 177.5035 182.7031 14.96332619  2057
1990 028B
1 20547U 90 28  B 90109.09281600  .00004199  00000-0  32302-3 0   168
2 20547  94.1479 183.7950 0130643 179.5329 180.6119 14.95259307  1989
Cosmos 2064
1 20549U 90 29  A 90108.06869249  .00000034  00000-0  28102-3 0    86
2 20549  73.9806 234.6754 0017320 253.7845 106.1302 12.47017375  1497
Cosmos 2065
1 20550U 90 29  B 90108.04985648 -.00000006  00000-0  00000 0 0   126
2 20550  73.9820 234.6728 0008866 291.1021  68.9093 12.48997637  1494
Cosmos 2066
1 20551U 90 29  C 90108.03065424 -.00000007  00000-0  00000 0 0   106
2 20551  73.9811 234.3695 0049249  67.3732 293.2526 12.59478413  1501
Cosmos 2067
1 20552U 90 29  D 90108.04733506 -.00000007  00000-0  00000 0 0    77
2 20552  73.9806 234.4011 0039643  75.7822 284.7631 12.57707525  1508
Cosmos 2068
1 20553U 90 29  E 90108.06302571 -.00000007  00000-0  00000 0 0    85
2 20553  73.9817 234.4108 0030718  69.8035 290.6319 12.56042945  1508
Cosmos 2069
1 20554U 90 29  F 90108.07937328 -.00000006  00000-0  00000 0 0    80
2 20554  73.9819 234.4797 0021644  67.4385 292.8956 12.54314845  1505
Cosmos 2070
1 20555U 90 29  G 90108.09578265  .00000561  00000-0  36110-2 0    61
2 20555  73.9822 234.4705 0013115  52.8085 307.4242 12.52584912  1501
Cosmos 2071
1 20556U 90 29  H 90108.03347703 -.00000007  00000-0  00000 0 0    81
2 20556  73.9813 234.6449 0002461  74.2002 285.9324 12.50727606  1494
1990 029J
1 20557U 90 29  J 90108.22245256  .00001050  00000-0  95280-2 0   134
2 20557  73.9835 235.1961 0147778 255.9491 102.5093 12.22758391  1485
AsiaSat-1
1 20558U 90 30  A 90109.13167367 -.00000306  00000-0  99999-4 0   164
2 20558   0.1739 299.6773 0000832 185.8615 234.4734  1.00271476   142
1990 030B
1 20559U 90 30  B 90109.48357219  .00018332  00000-0  60083-2 0   134
2 20559  31.2372  19.5510 7325719 185.4494 156.2472  2.22243952   278
1990 032A
1 20566U 90 32  A 90109.66589261  .00234187  10196-4  31048-3 0   171
2 20566  62.7998  13.8195 0111584 112.0779 249.2285 15.95205180  1263
1990 032B
1 20567U 90 32  B 90109.68057188  .02828460  41009-4  11824-2 0   241
2 20567  62.7792  13.3463 0060103 107.0137 253.8647 16.17896254  1278
1990 033A
1 20568U 90 33  A 90109.63069357  .00404878  84607-4  47762-3 0   174
2 20568  64.7652 138.8939 0032434  91.3067 269.2336 16.07132671   944
1990 033B
1 20569U 90 33  B 90105.99176095  .20516931  37953-4  28167-3 0   129
2 20569  64.7642 152.1514 0014918  63.6752 297.0444 16.47971347   362
1990 034A
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1 20570U 90 34  A 90108.10165968 -.00000335  00000-0  99999-4 0    53
2 20570   0.0720 341.1698 0027547 152.9965 226.2681  1.00297754    01
1990 034B
1 20571U 90 34  B 90108.17478112  .00004004  00000-0  71109-3 0    46
2 20571  22.7543 330.7129 0629132 206.1351 150.5996 13.81925507   585
1990 034C
1 20572U 90 34  C 90107.42025446 -.00003490  33438-4  99999-4 0    77
2 20572  18.9011 358.6833 7400890 181.1666 174.4526  2.16008597    75
1990 035A
1 20573U 90 35  A 90109.69027465  .00109686  39364-5  15014-3 0   100
2 20573  82.3625 348.9721 0049299  82.3784 278.3072 16.03593954   389
1990 035B
1 20574U 90 35  B 90108.36855446  .13619672 -57633-5  44393-3 0    97
2 20574  82.3495 350.4855 0026504 120.0589 240.5689 16.41587453   179
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Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

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From 440621911980353628
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,47e5c15bc5c4f954,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,47e5c15bc5c4f954,start
X-Google-Attributes: gid105d97,public
X-Google-Thread: 10b271,47e5c15bc5c4f954,start
X-Google-Attributes: gid10b271,public
X-Google-ArrivalTime: 1990-04-21 14:48:03 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!snorkelwacker!husc6!m2c!wpi!cyganski
From: cyganski@wpi.wpi.edu (David Cyganski)
Newsgroups: sci.physics,sci.electronics,rec.ham-radio
Subject: help identifying an object
Keywords: ceramic cylinder crime
Message-ID: <11971@wpi.wpi.edu>
Date: 21 Apr 90 01:32:14 GMT
Organization: Worcester Polytechnic Institute, Worcester, Mass.
Lines: 16
Xref: gmdzi sci.physics:7660 sci.electronics:6346 rec.ham-radio:10977
Posted: Sat Apr 21 02:32:14 1990

I am appealing to the net to help me determine the identity of an object several of which were found at the scene of a crime (No Joke!). I suspect that the object is related to a scientific or engineering application hence the appeal to these groups.

The object is a cylinder of glazed white ceramic with a diameter and a length both 7/16 of an inch.

If you have any idea of the applications or origin of such an object please e-mail me directly as this information may be valuable in tracking down the perpetrators. Thankyou very much in advance for any assistance you can offer.

David Cyganski
cyganski@wpi.wpi.edu

From 8984486966471921923
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,47e5c15bc5c4f954
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,47e5c15bc5c4f954
X-Google-Attributes: gid105d97,public
X-Google-Thread: 10b271,47e5c15bc5c4f954
X-Google-Attributes: gid10b271,public
X-Google-ArrivalTime: 1990-04-21 16:51:53 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!think!husc6!m2c!wpi!cyganski
From: cyganski@wpi.wpi.edu (David Cyganski)
Newsgroups: sci.physics,sci.electronics,rec.ham-radio
Subject: help identifying an object
Keywords: ceramic cylinder crime clarifications
Message-ID: <11976@wpi.wpi.edu>
Date: 21 Apr 90 04:27:33 GMT
Organization: Worcester Polytechnic Institute, Worcester, Mass.
Lines: 31
Xref: gmdzi sci.physics:7662 sci.electronics:6348 rec.ham-radio:10980
Posted: Sat Apr 21 05:27:33 1990

My appeal for information regarding the possible identity of a ceramic object connected with a crime has yielded a great deal of response already but so far no success. The suggestions that have already been mailed suggest certain clarifications are needed.

The object is a "solid" cylinder of glazed (or perhaps polished) white ceramic with a diameter and a length both 7/16 of an inch. There are no markings on the object and no holes of any sort or any obvious means for mounting. All the surfaces have a similar smooth texture while the two edges are slightly and smoothly rounded. (All in all it bears a striking resemblance to a mini-marshmallow of the sort one puts in hot chocolate.)

One respondent asked whether or not the object is magnetic. It is not. It is certainly not a ferrite and in my best estimation is a ceramic closely resembling that used in electrical standoffs. Several respondents suggested that it is a standoff but the lack of any means for mounting it or anything to it seems to preclude this.

Lastly, these objects were used as projectiles. Is it possible that these represent some standard ammunition for a gun of a sort that I have never encountered before?

Again, if you have any idea of the applications or origin of such an object

please e-mail me directly as this information may be valuable in
tracking down the perpetrators. Thankyou very much in advance for
any assistance you can offer.

David Cyganski (WA1IMI)
cyganski@wpi.wpi.edu

From 7720011599512068634
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c63acdccb2e956a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-21 17:34:00 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!
zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!
phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: TCP/IP in anticomputers
Message-ID: <30500506@ux1.cso.uiuc.edu>
Date: 22 Apr 90 00:34:00 GMT
References: <2800@ultb.isc.rit.edu>
Lines: 7
Nf-ID: #R:ultb.isc.rit.edu:2800:ux1.cso.uiuc.edu:30500506:000:308
Nf-From: ux1.cso.uiuc.edu!phil   Apr 21 19:34:00 1990
Posted: Sun Apr 22 01:34:00 1990

What's the possibility of hacking the TNC code to refuse connections from
another node that has its window size at other than 1 when its own is set
to 1?

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 8668289221086657046
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fb07436256ebba91
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-21 17:41:00 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!
zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!
phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Kenwood 721 Display Upgrade
Message-ID: <30500507@ux1.cso.uiuc.edu>
Date: 22 Apr 90 00:41:00 GMT
References: <752@west.West.Sun.COM>
Lines: 15
Nf-ID: #R:west.West.Sun.COM:752:ux1.cso.uiuc.edu:30500507:000:678
Nf-From: ux1.cso.uiuc.edu!phil   Apr 21 19:41:00 1990

Posted: Sun Apr 22 01:41:00 1990

The ability for almost all the radios on the market to detect a low-battery condition is terribly inadequate.

Not only should they be able to tell you when the battery is low by both visual and/or audible means (user settable), but there should also be a "mode" whereby the voltage is shown on the display. How hard would it be to get 1/2 volt accuracy (which is about all you need in this situation, if that) anyway?

If it comes as a plug option, then I'd also want better accuracy (1/20 volt) and a current meter, too.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -8734002014556038672
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a09e24f890f6253e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-22 01:46:08 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!TECNET1.JCTE.JCS.MIL!mgb
From: mgb@TECNET1.JCTE.JCS.MIL
Newsgroups: rec.ham-radio
Subject: GOES Rebroadcast
Message-ID: <9004220846.AA19197@tecnet1.jcte.jcs.mil>
Date: 22 Apr 90 08:46:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 38
Posted: Sun Apr 22 09:46:08 1990

I have recently developed an interest in weather satellite reception and have been reading everything I can on the subject, including the info that gets posted here from time to time.

I ran across some information that I have never seen posted before, so I thought I would share it with all the others out there that are enthused about image reception.

It seems that you don't need as much equipment as you might imagine to receive images from the GOES geosynchronous birds. These satellites send a lot of data back to Earth, but most people are messing with the WEFAX stuff, but even then you are looking at a downconverter and various other stuff that I won't go into detail on here.

Anyway... what I found out was that there is a REBROADCAST of these signals on TVRO satellite Spacenet-3 Transponder 17. What you need to do is grab the baseband video out of the TVRO receiver and run it over to your general coverage HF rig. Tune the HF rig for the following freqs:

1.9315 MHz GOES EAST
1.8840 MHz GOES WEST
1.5720 Mhz Weather Charts

This rebroadcast seems to be in an HF WEFAX format with 120 LPM and what appears to be an IOC that also agrees with HF. I used my scan converter with AM detection and had best results receiving the signals with the HF receiver in FM mode. I still have not really deduced just what IS the best way to receive this stuff... but that is mainly because I really have no expertise yet and am just hacking at it. Be that as it may, I DID get pictures. I would say that I don't have enough IF bandwidth and that may be preventing really GREAT picture reception... but it does work!

So if you are into weather satellites and happen to have a TVRO system, this is definitely worth investigating! If anyone has the real details on this rebroadcast, I sure would like to hear from you.

Mark Bitterlich
WA3JPY @ WB4UOU
mgb@tecnet1.jcte.jcs.mil

From 2303906367021475901
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aab5168fc8fdc19f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-22 16:11:04 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL Letter 09-Apr-90
Message-ID: <1496@n8emr.UUCP>
Date: 22 Apr 90 03:09:41 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 241
Posted: Sun Apr 22 04:09:41 1990

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==============================================================
|         Relayed from packet radio via                |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
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ARRL TO FCC -- W1AW OPERATIONS NOT PART OF THE DISPUTE

On October 11, 1989, FCC Special Services Division Chief Robert H. McNamara wrote to a number of amateurs seeking comments and information on phone patches, information bulletins and over- the-air telegraphy practice. The letter requested information and insight that could bring a resolution to "the unfortunate continuing over-the-air dispute that takes place on the 20 meter band...which is jeopardizing international goodwill..." The letter asked a number of questions on these topics.

ARRL's response was submitted on November 15, by Counsel Chris Imlay, N3AKD, in behalf of W1AW Trustee, John Lindholm as well as the ARRL. In it, Imlay made observations and recommendations as requested in NcNamara's letter. At the urging of FCC staff, the League in the mid-1970s developed the eleven-point "Phone Patch and Autopatch Guidelines" that appears in The FCC Rule Book (Eighth Edition) at page 13-15. These guidelines have stood the test of time, and are generally accepted as a useful supplement to the Commission's Rules.

The League believes that the definition of the term "information bulletin" contained in the Commission's Rules should be strictly applied and enforced.

With regard to telegraphy practice, the only guidelines needed are to ensure that the purpose of the transmissions is to provide telegraphy practice and not to engage in one-way transmissions that otherwise would be illegal:

- The text should not be randomly generated, since such practice material is readily available via other media.

- The text should be taken from a published, readily available source to facilitate checking accuracy of copy.

- The text should relate in some way to Amateur Radio.

- The text should not be sent repeatedly.

In a letter dated December 21, 1989, McNamara stated that 45 replies were received in response to his letter and that although the responses "contained somewhat conflicting information and views, they were helpful in understanding the issues so that a course of action could be selected." McNamara stated that it appeared that the intensity of the debate has subsided and that most of those participating in it have recommitted themselves to the basic principles of the amateur service by attempting to resolve such disputes off the air.

He stated that the disputes are centered in three main areas: phone patch communications on the HF bands, information bulletins and telegraphy practice transmissions. McNamara stated that the replies "...confirm that misuse of an important amateur service frequency band was having a major negative impact upon the service. They clearly show that the amateur service was not fully cooperating in selecting transmitting channels and in making the most effective use of the amateur service frequencies as required by Section 97.101(b)."

McNamara stated there were two general views for a solution in the responses. One, that the amateur community should be allowed to solve the problem internally. The second that the Commission should mount a massive enforcement effort. McNamara said the second approach was not possible due to enforcement priorities and budget constraints; if direct Commission intervention proved to be necessary it would be in the form of additional restrictions that may affect all amateur operators. Mr McNamara said "In view of the above, we will afford the amateur community the self-regulation opportunity suggested. To implement this plan, we suggest you and the managers of eight other amateur service organizations.. consider submitting a joint plan for the problem resolution within the amateur community." McNamara suggested that this plan be developed by July 1, 1990.

In a March 19 letter to the FCC, the ARRL stated that, according to letters received by the FCC in this matter, there is no basis for the operations of W1AW to be included in any further discussion. Letters received by the FCC from amateurs indicated that the amateur community clearly hold the W1AW transmissions of code practice and bulletins in the highest regard. There was not a single dissenting statement to be found in the file and thus no purpose to be served by having W1AW operations included in further discussions aimed at resolving the dispute on 20 meters.

As one correspondent put it, "...regarding the telegraphy practice...[and] W1AW...I have a hard time understanding that it is a problem." The ARRL agrees and stated that it does not believe that the W1AW trustee should be a party to the FCC requirement that those involved submit a plan of resolution.

The League did not discount the seriousness of the central issues of the dispute, nor the harm to the Amateur Radio Service and to the public which has resulted from the continuing on-the- air confrontations between amateurs holding differing views. Thus, the ARRL's letter of November 15, 1989, which contains a number of specific suggestions in this regard, was sent to the FCC.

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ARRL FILES REPLY COMMENTS IN GENERAL DOCKET 89-554

On March 16, the ARRL submitted its reply comments to the FCC's inquiry relative to its preparation for WARC-92. In it the League said that it was gratified to note the absence of comments proposing the reallocation of existing Amateur Radio bands to other services. ARRL noted that a number of commenters representing high-frequency broadcasting (HFBC) interests appear to be seeking expansion of their allocations by about 50%. ARRL said that this additional spectrum might not be needed if the HFBC service adopted single-sideband instead of double-sideband amplitude modulation as its standard and that FCC should consider expansion of HFBC only after it had embraced this and other spectrum conversation techniques.

The League noted that Motorola's forecast for 800 MHz of new spectrum for land mobile in the 1-3 GHz range was "jolting" if not unsurprising. ARRL suggested that some portions of the UHF TV spectrum be considered for reallocation. The increased use of cable, videotape and other spectrum conservation techniques has, in the League's opinion, lessened the need for some of the television spectrum allocations in the UHF region. ARRL agreed with comments made by the American Petroleum Institute which said that while there is a shortage of land mobile spectrum... the situation is aggravated by the operational and technical inefficiencies in use in their current spectrum assignments.

ARRL EXECUTIVE COMMITTEE MEETS

The Executive Committee (EC) of the American Radio Relay League met on March 10 in Washington, DC. Among EC actions were:

- Authorization to file comments in PR Docket Numbers 89-599 and 89-552 regarding the establishment of a Personal Emergency Locator Transmitter Service in the 220-222 MHz band and implementation of the 220-222 MHz land mobile allocation into Part 90 of the FCC rules respectively.

- Appointment of a special working group to evaluate the FCC NPRM in PR Docket 90-55 against the ARRL petition for a codeless class of amateur license, RM-6995 with the objective of developing a strawman ARRL position for distribution to the Board before the next Executive Committee meeting.

- Moved to request a 30-day extension for the filing of reply comments on RM-7248, the League's petition to establish limited segments for automatic control of digital HF transmissions.

The Executive Committee also reviewed the status of a number of ongoing FCC, international and organizational matters as well as ARRL and IARU preparations for WARC-92. The full text of the Minutes will appear in the May issue of QST.

ARRL FILES COMMENTS IN PR DOCKET 89-599

On March 20, the ARRL filed its comments with the FCC in its proposal to establish a Personal Emergency Locating Transmitter Service (PELTS) in the 220-MHz band. The ARRL said this proposal is premature because the FCC's proceeding in PR Docket 87-14 to reallocate the 220-222 MHz band from the amateur to the land mobile service is not final. The League noted that should the FCC's decision to reallocate the 220-222 MHz band be ultimately reversed there will be no frequency allocation for the private land mobile radio service and that no further action should be taken in this proceeding until the Commissions's allocations orders are affirmed on appeal, and any and all judicial appeals are exhausted.

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STS-35 MISSION APPROACHING LAUNCH

Ron Parise, WA4SIR, is a Payload Specialist on the Space Shuttle mission STS-35 scheduled to be launched May 9, 1990 from Cape Canaveral. The ARRL Educational Activities Department now has a SAREX teacher's package which includes lesson plans, resource material, informational videotapes and more. You can obtain the package by sending a 10-13-inch envelope with $1.25 postage affixed to EAD at ARRL HQ.

Ron will operate both 2-meter AFSK packet as well as 2-meter FM voice. The packet station (an HK-21 "pocket-packet TNC" marketed by Heathkit) will transmit bulletins providing updates on the mission and will operate in a ROBOT mode where stations on the ground can connect to the shuttle TNC and obtain a QSO number to validate the contact.

Ron is scheduled to operate the 2-meter voice station during his off hours and he will spend the majority of his time talking with school classrooms around the world offering them the opportunity to talk directly with an astronaut aboard the Space Shuttle. NASA has authorized SAREX in order to "encourage youth to become excited about science and technology" and to publicize manned space flight to the general public.

This past week the amateur equipment to be used on the mission underwent EMC (electromagnetic compatibility) tests. These tests are designed to determine the possibility of any interference the amateur equipment may inflict on any of the shuttle electronic systems. NASA has notified AMSAT that all the equipment passed the tests.

With SAREX on STS-35, Amateur Radio may have an opportunity to further the quest for international cooperation in space. Now that Amateur Radio activity on the MIR space station appears to have resumed, AMSAT and ARRL are investigating whether there will be a mutual-visibility window between STS-35 and MIR for a first- ever Shuttle to MIR linkup. Adding to the excitement, the STS-35 Mission Commander is Vance Brand, who participated in the the Apollo/Soyuz program many years ago. Stay tuned to AMSAT and ARRL bulletins as further details become available.

INTERNATIONAL MARCONI DAY

Under the sponsorship of the Cornish Radio Amateur Club, "International Marconi Day" will be held on Saturday, April 21 1990, (0000-2400 UTC).

During this event, approximately 14 stations in 8 countries will be active in the General class portion of 6 HF bands. Each station will represent a location of historical importance in the life of Guglielmo Marconi, a pioneer of transatlantic communication.

All amateurs are invited to participate in this annual event, first held in 1978. A special award designed around a 1912 Marconi Company Wireless stock certificate is available to all stations confirming contacts with 10 or more of the special event stations. To receive the certificate send a copy of the logs and 10 IRCs or $5.00 US to Cornish Radio Amateur Club, Box 100, Truro, Cornwall, TX1 1RX, United Kingdom.

SA-AMSAT BACAR MISSION 90/1 SUCCESSFUL

On March 10, SA-AMSAT launched three balloons carrying Amateur Radio (BACAR) to a height of nearly 50,000 feet above sea level.

BACAR was equipped with an RTTY telemetry unit providing information such as current altitude and rate of climb. The telemetry transmitter's output was in the 2-meter band. Also aboard was a monochrome CCD camera feeding a video transmitter operating on local UHF TV broadcast channel 35 (583.25 MHz). The South African licensing authority was petitioned by SA-AMSAT to use the commercial television frequency so that youth groups and young amateurs without amateur equipment could participate.

The local weather bureau provided tracking support and other logistical assistance. Seconds after BACAR started to ascend, reports of good quality video were received. Later in the flight video reception was reported from as far as Pietersburg, South Africa, a city over 300 kilometers from the launch site.

--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From -2922692113516855807
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,14746b6a8ee40dd9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-22 16:11:06 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes, 4/20/90
Message-ID: <1497@n8emr.UUCP>
Date: 22 Apr 90 03:11:35 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 197
Posted: Sun Apr 22 04:11:35 1990

```
==============================================================
|         Relayed from packet radio via                |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB RTTYDX @ RTTYDX $RTDX2004
RTTY DX Notes, 1of3, 4/20/90

RTTY DX Notes for Weekending 20th April 1990.
Part 1 of 3.
BID: $RTDX2004

I was going to say something about the Region 1 IARU Conference held in Spain recently. Listening to the wails of anguish from the packet operators when their demands for extra frequencies were rejected 18 to 9, makes one wonder if they going to realize the problems of their system on the HF bands. Maybe we should rethink the system, and come up with something that can stand a little QRM.

Our thanks this week go to I5FLN, I5ICY, I5IGQ, JA1ACB, JA1BLV, OD5NG, TG9VT, VE3JPC, VK2EG, W1DA, W2JGR, W6/G0AZT and the Tri-State DX Association VHF packet cluster.

Bandpass:

Friday 13:
```
KP2BH       14083  at  0035Z
ZP5FGS      21088  at  0130Z
YV0AA       14088  at  0320Z  QSL
ZK2RW       14086  at  0625Z  QSL
XV0SU       21086  at  1057Z
FR5ZD       14086  at  1141Z
CT3FF       14083  at  1615Z
EA9MY       21087  at  1710Z
3W3RR       21082  at  1838Z
TA3D        14089  at  2223Z
9Y4GC       14091  at  2245Z
```

Saturday 14:
```
YV0AA        7085  at  0100Z
PZ2BZ       14083  at  0230Z
FR5ZD       14079  at  0345Z  FEC
ZK2RW       21084  at  0421Z
S92LB       14087  at  0445Z
CE0ZIG      14086  at  0600Z
NH2/KD7P    14087  at  0605Z
RI0IU       14087  at  0610Z
6W6JX       21082  at  1013Z
9K2EC       21072  at  1210Z
YI1BGD      21095  at  1255Z
3W3RR       21084  at  1347Z
TA1AR       14089  at  1520Z
VS6VC       21085  at  1521Z
HV3SJ       21083  at  1800Z
FM5BX       14086  at  2201Z
3X1SG       14082  at  2334Z
```

Continued in part 2.

```
/EX
SB RTTYDX @ RTTYDX $RTDX2104
```
RTTY DX Notes, 2of3, 4/20/90

RTTY DX Notes for Weekending 20th April 1990.
Part 2 of 3.
BID: $RTDX2104

Sunday 15:
```
YV0AA       14085  at  0300Z
PZ1BS       14074  at  0310Z  FEC
UY5EG       14081  at  0335Z
```

```
5N8ALE      14083  at  0621Z
ZK2RW       14088  at  0930Z
HI8BG       14087  at  1258Z
KP2BH       14087  at  1300Z
CT3BX       28089  at  1425Z
DU1RP       21090  at  1616Z
YC1YMH      21080  at  1920Z
TR8JLD      21094  at  2150Z  QSL
FM5WU       14082  at  2220Z  QSL
YS1SW       21090  at  2223Z

Monday 16:
HV3SJ       14089  at  0110Z
SU1HN       14086  at  0115Z
8P6SH       14082  at  0310Z
FR5ZD       14089  at  0445Z
TR8JLD      21084  at  0838Z
YC1YMN      21079  at  1814Z
OY9JD       21092  at  1825Z
ZD9RT       14086  at  1825Z  QSL/NOTE
AH3C/KH5J   21084  at  2312Z  QSL

Tuesday 17:
UW3UQ       14086  at  0140Z
SU1HN       14083  at  0218Z
JY9SR       14082  at  0400Z
TR8JLD      14090  at  0642Z
9H1GP       14087  at  2230Z
HI8BG       14087  at  2240Z
CU2CB       14086  at  2350Z
BZ4CQ       21085  at  2355Z

Wednesday 18:
ZP6EM       14081  at  0028Z
ZK2RW       21087  at  0337Z
UI8FM       14088  at  1931Z
AH3C/KH5J   28087  at  2120Z
TR8JLD      14089  at  2245Z
CU2CB       14083  at  2300Z

Thursday 19:
SV5TS       14092  at  0008Z
BZ4CQ       21091  at  0622Z
UQ2HO       21087  at  1045Z

Continued in part 3.
/EX
SB RTTYDX @ RTTYDX $RTDX2204
RTTY DX Notes, 3of3, 4/20/90

RTTY DX Notes for Weekending 20th April 1990.
Part 3 of 3.
BID: $RTDX2204
```

QSL Information:

YV0AA will QSL via YV5AJ, the radio club in Caracas.

ZK2RW, Ron will QSL from his home address of ZL1AMO.

HI8BG says to send his cards to Box 163-9, Santo Domingo, Dominican Republic.

FM5WU collects his cards from F6FNU.

TR8JLD QSLS via AK1E.

ZD9RT says to QSL via the ZD9 buro or ZS3WJJ (see notes).

AH3C/KH5J will QSL via OH2BN as soon as the logs arrive.

Notes Of Interest:

First, Spratly is active on CW, but nothing reported on RTTY as yet, but they say that they will be on RTTY soon. Crossed fingers.

ZD9RT or ZD9TR is a bit of a mystery. He says to QSL via the ZD9 buro, there is not one, or to QSL via ZS3WJJ who is not listed in the 1990 call books. Work first worry later.

S2 Bangaladesh, should start soon, if all goes well, though Jim Smith has not been heard for the past week. But keep hoping.

ZS8MI, Marion Island operator has returned home so his cards should be available soon, we hope.

Nothing has been heard about the Cocos Island TI9 operation of late. One wonders what is happening, if anything?.

Some say that the cards for JT0DX are starting to appear. Others say not. This also applies for the TT8AG cards, but hope never dies.

To those going to Dayton, have a good time and dont talk too much.

GL DE DX1 (VK2SG) via TG9VT.

Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA
/EX
SB DAYTON @ RTTYDX $KT7H$0421
Digital Suite at Stouffers

Digital Suite at Dayton!

Just a reminder. . . .all packet, RTTY, USENET, and Fidonet hams are invited to a party Friday night during the Dayton Hamvention in suite 425, at Stouffers Hotel, 5th & Jefferson in downtown Dayton.

Come to room 425 after 8pm. BYOB, no smoking.

73,

Tad
KT7H @ N7HFZ.WA.USA.NA
/EX
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From 6202435304413450960
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,42ccac48201316b3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-22 16:12:21 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: ARF and Jack Piddling
Keywords: HATE AMATEUR RADIO ARF
Message-ID: <FLe1H1w161w@w8grt.fidonet.org>
Date: 22 Apr 90 03:08:50 GMT
References: <684@idacrd.UUCP>
Organization: QRV de W8GRT
Lines: 20
Posted: Sun Apr 22 04:08:50 1990

mac@idacrd.UUCP (Robert McGwier) writes:

>
> An open letter to Jack Schmidling: The title was just to get his
> and your attention ;-). I do not read and am unsubscribed to
> soc.culture.jewish. He sent his hate mail to this group so I send
> ONE response to it. Please follow up elsewhere, preferably by
> email.
>
> Schmidling:
>
> I urge you to think of the hurt that you cause with this ARF business.
> Have you no conscience at all? Hate has no place in a hobby
> such as amateur radio (like it had a place anywhere).
>
> I am sure after reading your illiterate reply to me, and most net rec.ham-

> radio people being literate enough to know who I am, your bankrupt
> philosophy and intellect have come shining through. As for being

And they say the code test keeps out the riff-raff....

From -4788728208339301329
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b215e671cf2a16fa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-22 17:59:01 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!WIDENER.BITNET!DXANDY
From: DXANDY@WIDENER.BITNET
Newsgroups: rec.ham-radio
Subject: Lots of Questions
Message-ID: <5A0416133A080312-MTABWIDENER*DXANDY@widener>
Date: 23 Apr 90 00:59:01 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 59
Posted: Mon Apr 23 01:59:01 1990

```
          Message id: 5A040F0F251F01AF-MTABWIDENER
                              Personal name: DXANDY
                          Organization unit: BITNET
                             Private domain: WIDE
                      Administrative domain: ATTMAIL
                                    Country: US


To:                 RFC-822: infohams@taunivm
           Organization unit: WIDENER-MG
              Private domain: WIDE
       Administrative domain: ATTMAIL
                     Country: US
BCC:           Personal name: DXANDY
           Organization unit: BITNET
              Private domain: WIDE
       Administrative domain: ATTMAIL
                     Country: US
From:          Personal name: DXANDY
           Organization unit: BITNET
              Private domain: WIDE
       Administrative domain: ATTMAIL
                     Country: US
```

Subject: Lots of Questions

------------ Letter Body Part 1 - Text ------------

Hello All!

I have recently had my interest in Ham Radio rekindled and I have decided to go ahead and take the exams. I plan to go for the General Class licence some time in May. I have been looking around at all the equipment that is available and I have about one million and one questions. So if you don't mind I would like to ask you a few!

I plan to spend around $1500 and I am most interested in the HF bands and DXing. A few people I have talked to have recommended the Kenwood TS-440S. If anyone has any thoughts on this rig I would really appreciate hearing them. If you have any other recommendations, I would also be very interested in them.

As far as antennas are concerned, some people have told me that I will do just fine with a simple vertical antenna. Others have said that it is worth investing in a beam. What kind of antennas would you recommend? If I get a beam, will I also need a rotator? Is it worth the extra cash? I have seen a lot of adverts for antennas, some of which say that they are pretuned for a particular band, or that they can automatically switch from one band to another. Will I need an antenna tuner if I use one of these antennas?

One final question (for now anyway!!), I know all this infomation will be in a book somewhere, so if anyone could recommend a good book too, I will be very grateful.

If you send your mail directly to me, I will summerize to the net.

Thanks in advance,
Andy Greenshields [dxandy@widener.BITNET]

** END OF MESSAGE **

From 5222581915592569984
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dc5665b1982f8dfc,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,dc5665b1982f8dfc,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-04-22 23:59:26 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!samsung!uunet!clyde.concordia.ca!mcgill-vision!quiche!calvin!sami
From: sami@quiche.cs.mcgill.ca (Sami BOULOS)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Used Kenwood R5000
Message-ID: <3205@calvin.cs.mcgill.ca>
Date: 22 Apr 90 22:20:07 GMT
Followup-To: poster
Organization: SOCS, McGill University, Montreal, Canada
Lines: 11
Xref: gmdzi rec.ham-radio:10996 rec.radio.shortwave:1045
Posted: Sun Apr 22 23:20:07 1990

What is a reasonable price to pay for a used Kenwood R5000?
Other than exchange differences, are there differences between
US and Canadian prices? I have the impression that US prices are lower.

Thanks, in advance.

--
Sami Boulos   sami@softeng.cs.mcgill.ca
McGill University
School of Computer Science

From -6376762718862513246
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,61b45e7a6094ffbd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-23 00:44:46 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!apple!usc!cs.utexas.edu!uunet!ogicse!emory!kd4nc!ke4zv
From: ke4zv@kd4nc.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: No audio on Icom 900a with 29a module
Message-ID: <4361@kd4nc.UUCP>
Date: 22 Apr 90 22:04:43 GMT
References: <2847@ultb.isc.rit.edu>
Reply-To: ke4zv@kd4nc.UUCP (Gary Coffman)
Organization: none
Lines: 36
Posted: Sun Apr 22 23:04:43 1990

In article <2847@ultb.isc.rit.edu> wlw2286@ultb.isc.rit.edu (W.L. Ware) writes:
>HELP!
>
>I have an Icom 900a w/29a module and I am getting no audio output during
>rx. However during tx audio gets sent. The amplifier in the control unit
>obviously works because I get a turn on thud.

The turn on "thud" only indicates that power is being applied to the audio section. It does not necessarily indicate that the audio section is good.

First try some simple checks. When you adjust the volume control, does the bargraph track? When you adjust the squelch does the channel busy led come on at any point? If the bargraph tracks your control system is probably ok and if the squelch led works the receiver is probably ok. Now if you have or can borrow another band unit, you should check if that works. If it does, the problem is in the 29a band unit interface.

The receive audio path of this radio is as follows:
Audio from the detector in the band unit is fed to an interface unit called the "front end unit" inside the band unit. There it is converted to balanced and placed on the bus (the ribbon cable tying the band units and the control units together. In the control unit the audio is pulse code modulated and multiplexed onto the data stream going out the fiber optic cable to the other control box. In the front control box it is

demuxed and decoded passed through a mute switch and a gain control stage then sent to the output amplifiers through a routing system depending on whether you have the band unit selected as main or sub. If main is selected the audio drives spkr 1 jack, but if sub is selected audio first drives spkr2 jack and if a spkr is not plugged in, then loops to the main jack. So try selecting your suspect band unit as "sub" since the audio goes through a different output amplifier. If this fails, your problem is probably in the digital audio chain.

Hope this is useful
Gary KE4ZV

From 7740213017061223937
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f604351b7a05b63,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,4f604351b7a05b63,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-04-23 00:53:46 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!rpi!crdgw1!ge-dab!tarpit!peora!tsdiag!ka2qhd!ka2raf
From: ka2raf@ka2qhd.UUCP (Chris Crosby KA2RAF)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: AMBC DX test 4/29/90
Keywords: 850 Khz/50KW/hams make note too!
Message-ID: <278@ka2qhd.UUCP>
Date: 23 Apr 90 07:53:46 GMT
Organization: KA2QHD PBBS SYSTEM, OCEAN NJ
Lines: 14
Xref: gmdzi rec.ham-radio:11053 rec.radio.shortwave:1065
Posted: Mon Apr 23 08:53:46 1990

sb swls@allbbs $dxtst850
AM DX Test 4/29/90

There will be an AM DX test conducted by WHDH on 4/29/90 @ 0105-0130 EDT. The test will consist of voice, RTTY, packet, and slow-scan TV lasting 25 minutes. The station is a 50 KW operating on 850 KHz. in Boston. Again this at 1:05-1:30 AM EDT on the 29th. Anyone wishing to QSL this event can send thier report to:

WHDH
c/o Engineering Dept.
441 Stuart Street
Boston, MA 02116

From 3777863899809318788
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f604351b7a05b63
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 114aac,4f604351b7a05b63
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-04-23 00:57:14 PST
Path: gmdzi!unido!mcsun!uunet!samsung!know!zaphod.mps.ohio-state.edu!rpi!crdgw1!ge-dab!tarpit!peora!tsdiag!ka2qhd!ka2raf
From: ka2raf@ka2qhd.UUCP (Chris Crosby KA2RAF)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: AMBC DX test 4/29/90
Keywords: 850 Khz/50KW/hams make note too!
Message-ID: <279@ka2qhd.UUCP>
Date: 23 Apr 90 07:57:14 GMT
Organization: KA2QHD PBBS SYSTEM, OCEAN NJ
Lines: 14
Xref: gmdzi rec.ham-radio:11052 rec.radio.shortwave:1064
Posted: Mon Apr 23 08:57:14 1990

sb swls@allbbs $dxtst850
AM DX Test 4/29/90

There will be an AM DX test conducted by WHDH on 4/29/90 @ 0105-0130 EDT. The test will consist of voice, RTTY, packet, and slow-scan TV lasting 25 minutes. The station is a 50 KW operating on 850 KHz. in Boston. Again this at 1:05-1:30 AM EDT on the 29th. Anyone wishing to QSL this event can send thier report to:

WHDH
c/o Engineering Dept.
441 Stuart Street
Boston, MA 02116

From -4526218507403262003
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d18048aabc2d7fc6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,d18048aabc2d7fc6,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-04-23 01:00:41 PST
Path: gmdzi!unido!mcsun!uunet!samsung!know!zaphod.mps.ohio-state.edu!rpi!crdgw1!ge-dab!tarpit!peora!tsdiag!ka2qhd!ka2raf
From: ka2raf@ka2qhd.UUCP (Chris Crosby KA2RAF)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: VOA *LIVE* at Dayton - 2 hours/2 freqs
Keywords: Friday 1900-2100Z *SPECIAL*
Message-ID: <280@ka2qhd.UUCP>
Date: 23 Apr 90 08:00:41 GMT
Organization: KA2QHD PBBS SYSTEM, OCEAN NJ
Lines: 11
Xref: gmdzi rec.ham-radio:11054 rec.radio.shortwave:1066
Posted: Mon Apr 23 09:00:41 1990

sb swls@allbbs $liv_voa
VOA*LIVE*@Dayton Hamvention

On Friday, Voice of America will broadcast live from the Dayton Hamvention
from 1900-2100Z on 21515 AM and 19216.5 LSB. Anyone wishing a special
QSL for this (first?) Special Event Broadcast can send thier reports to
the Bethany site address in C/O Joseph Vodnick. Tell him you heard it
via the ANARC SWL Net packet distributions.
[one of *FEW* chances to get full data QSL from VOA as US citizens]

From -6956465381064066810
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6ed75a1bebfdbec
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-23 01:01:02 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ames!uhccux!cs421s05
From: cs421s05@uhccux.uhcc.hawaii.edu (Cs421s05)
Newsgroups: rec.ham-radio
Subject: Re: 10m propagation
Keywords: Long, long-path
Message-ID: <7397@uhccux.uhcc.hawaii.edu>
Date: 23 Apr 90 01:06:11 GMT
References: <11309@portia.Stanford.EDU>
Reply-To: cs421s05@uhccux.UUCP (Cs421s05)
Organization: University of Hawaii
Lines: 16
Posted: Mon Apr 23 02:06:11 1990

Yep, long-path propagation DOES occur on 10 meters. I have worked a number
of Europeans from Hawaii via the South path, about 26,000 miles, using a
vertical 1/4 wave and 100 watts.   The antenna was mounted on the South
side of a condo, with complete blockage of the short path signals.
Generally the contacts took place well after dark here in Honolulu, as late
as 11 or 12 pm. It's easy to tell when the band is going to open to Europe
via long path, since there is an obvious progression of propagation: first
we'll hear the ZL's and VK's, then VK6, then ZS, then Europe as the evening
goes on.

10 meters is an amazing band.

Aloha es GL de KJ9U/KH6

john_shalamskas-uhmanoa.uhplato.bitnet

From -6021269610533864515
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9894942c513ee6c0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 05:51:28 PST

Path: gmdzi!unido!mcsun!uunet!snorkelwacker!think!zaphod.mps.ohio-state.edu!
tut.cis.ohio-state.edu!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Ham Call of P Viezbicke
Message-ID: <9004041251.AA02795@cmr.ncsl.nist.gov>
Date: 4 Apr 90 12:51:28 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 5
Posted: Wed Apr 4 13:51:28 1990

A recent posting recommended the old NBS Tech Note 688 on Yagi Antenna Design by Pete Viezbicke. For your info, Pete's call is W0NXB.

Bob, W3OTC

From -2312169880094294420
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f35daeb8b9c04cf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 06:15:13 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!ubc-cs!alberta!atha!
aurora!lyndon
From: lyndon@cs.AthabascaU.CA (& Nerenberg)
Newsgroups: rec.ham-radio
Subject: Re: Wild accusations against MFJ?
Message-ID: <LYNDON.90Apr3123407@aurora.AthabascaU.CA>
Date: 3 Apr 90 18:34:07 GMT
References: <118@gizzmo.UUCP> <1376@dgbt.uucp> <1793@aurora.AthabascaU.CA>
Sender: lyndon@cs.AthabascaU.CA
Organization: Athabasca University
Lines: 15
Posted: Tue Apr 3 19:34:07 1990
In-reply-to: rwa@cs.AthabascaU.CA's message of 3 Apr 90 16:17:23 GMT
Posting-Front-End: GNU Emacs 18.47.1 of Fri May 20 1988 on aurora (berkeley-unix)

In article <1793@aurora.AthabascaU.CA> rwa@cs.AthabascaU.CA (Ross Alexander) writes:

> To make a long story short (or rather open) the real problem was that MFJ hadn't bothered to scrape the paint from the case of the dummy load in a couple of strategic places, and we were tring to drive about 500 K ohms or so instead of 50. So even a dummy load can have problems.

Interesting. This is the same trick they use on my Versatuner. All those nice screws to electrically bond the cabinet together to prevent stray RF from floating about. Trouble is, with all that damned paint there, I might as well leave the lid off.

--
Lyndon Nerenberg CF6BBM / Computing Services / Athabasca University
{alberta,decwrl}!atha!lyndon || lyndon@cs.AthabascaU.CA

From -7264173259044093792
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f35daeb8b9c04cf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 06:30:51 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!cs.utexas.edu!rice!uw-beaver!ubc-cs!alberta!adec23!aunro!atha!rwa
From: rwa@cs.AthabascaU.CA (Ross Alexander)
Newsgroups: rec.ham-radio
Subject: Re: Wild accusations against MFJ?
Summary: just another follow-up
Message-ID: <1793@aurora.AthabascaU.CA>
Date: 3 Apr 90 16:17:23 GMT
References: <118@gizzmo.UUCP> <1376@dgbt.uucp>
Organization: Athabasca University
Lines: 25
Posted: Tue Apr 3 17:17:23 1990

In article <1376@dgbt.uucp>, barry@dgbt.uucp (Barry McLarnon DGBT/DIP) writes:
> I see folks are coming to the defence of MFJ, so I'll add another ringing
> endorsement:
> The only MFJ product I own is an HF dummy load. It's been 100% reliable. :-)

When Dennis ve7tcp and I were fiddling with his new hf rig, we started by making a few patch cables & c (using those *atrocious* pl-239s you get from radio scrap). I got to build the cables because I'm the only one who knows which end of the iron to pick up :-). Anyway, we hooked the new rig to Dennis' new MFJ dummy load and keyed up - suprise! It wouldn't load. Naturally I was the goat and suspicion centered on the cables I had just built. (Some present questioned the quality of the beer.)

To make a long story short (or rather open) the real problem was that MFJ hadn't bothered to scrape the paint from the case of the dummy load in a couple of strategic places, and we were tring to drive about 500 K ohms or so instead of 50. So even a dummy load can have problems.

Yes, I own some MFJ gear too. I think it's OK for the price.

--
--
Ross Alexander   (403) 675 6311   rwa@aungbad.AthabascaU.CA   VE6PDQ

From 8092406844133920689
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,638b6f16b32ef32a

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 06:30:54 PST
Path: gmdzi!unido!mcsun!uunet!tank!ncar!asuvax!hrc!godzilla!dalyb
From: dalyb@godzilla.UUCP (Brian Daly)
Newsgroups: rec.ham-radio
Subject: Re: stacking yagis
Keywords: stack yagi urk
Message-ID: <49958535.1423f@godzilla.UUCP>
Date: 3 Apr 90 16:10:01 GMT
References: <1839@kannel.lut.fi> <49812f16.1423f@godzilla.UUCP> <23815@usc.edu>
Distribution: rec
Organization: gte
Lines: 60
Posted: Tue Apr 3 17:10:01 1990

In article <23815@usc.edu>, kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:

> This is not true. The maximum_forward_gain_spacing is a function of the gain of the antennas being stacked. It could also be (almost equivalently) considered to be a function of the boomlength of the antennas being stacked.
>
> There are also other considerations. Do you want maximum forward gain? Do you want maximum front-to-back ratio? Do you want maximum front-to-side ratio? Do you want some combination of these merit figures, like almost maximum gain with a clean pattern?
>
> Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

There are a number of ways one could approach the Yagi stacking problem:

1. Use a generally accepted "rule of thumb"; these usually provide resonable results.

    For stacking Yagi-Uda arrays, the one wavelength distance does provide maximum gain. For extended Yagi's (i.e. very long), another rule of thumb is to stack a distance equal to 3/4 the length of the boom of the antenna.

    Since the requirements stated "maximum gain" without any mention of pattern requirements, the rule of thumb stated above should provide reasonable results for the given application.

2. Use the results published in the literature:

    If it is desired to go into further detail and optimize the stacking distance, I'd recommend reading the U.S. department of Commerce/National Bureau of Standards publication "Yagi Antenna Design", NBS Technical Note 688 author P.P. Viezbicke, December 1968. This publication gives criteria for Yagi design and stacking.

    Another paper I'd recommend is C.C. Lee and L.C. Shen, "Coupled Yagi Arrays", in the IEEE Transactions on Antennas and Propagation, vol. AP-25, p. 889-891, November 1977.

3. Experiment with various distances

You could also experiment with distances around those given by the rule of thumb, and measure both the gain and the pattern in the far field. This does require antenna pattern test equipment.

The considerations such as front-to-back ratio, front-to-side ratio, gain, etc. are both a function of the design of the Yagi itself, and also how the Yagi's are stacked. If the requirements are strict for these parameters, then an in depth analysis would have to be performed.

73's

--
Brian K. Daly WB7OML @ AG Communication Systems, Phoenix, Arizona
UUCP: {...!ames!ncar!noao!asuvax | uunet!zardoz!hrc | att}!gtephx!dalyb
Phone: (602) 582-7644   FAX: (602) 582-7111
~

From -2213566519173563604
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aa7082ad7357475e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 07:19:42 PST
Path: gmdzi!unido!mcsun!uunet!fernwood!apple!usc!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!STL-06SIMA.ARMY.MIL!wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: Re: V31BB
Message-ID: <9004050712.AA04064@ucbvax.Berkeley.EDU>
Date: 4 Apr 90 14:19:42 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Wed Apr 4 15:19:42 1990

```
>This guy burned me once too.
>
>Is it possible to "impeach" a ham in another country?  >8-)
>                    ^^^^^^^
>                    pick your own favorite word...
```

Well, a batch of hams could pay a midnight visit with a bit of plastique and gasoline... Maybe a surplus HARM (anti-radiation missile) aimed for the guy's antenna would get the message across...

Gives a whole new meaning to the idea of a "DXpedition"... :-)

Regards, Will

```
From -3150595379900399434
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fe2dbd76acb4f9e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 07:44:16 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!tut.cis.ohio-state.edu!ucbvax!
STL-06SIMA.ARMY.MIL!wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: Re:  Aargh! Want address/info to get Heathkit catalog
Message-ID: <9004050713.AA04122@ucbvax.Berkeley.EDU>
Date: 4 Apr 90 14:44:16 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 36
Posted: Wed Apr  4 15:44:16 1990
```

Re Heath:

>Try (800) 253-0570. Visa, Mastercard, and American Express.
>It sure looks like the beancounters have gotten to Heath. Half the stuff
>in the catalog is only available assembled, and the retail stores (actually
>a seperate corporation to dodge the state sales taxes) seem to be mutating into
>Apple Computer dealerships. The local store is even closed Saturdays.
>On the plus side, they're back in the hi-fi stereo kit buisness.

I noticed the latest Heath catalog ("Volume 220", Spring 1990) had a "market research" survey form enclosed in the middle. It was also an entry in a sweepstakes to win $1000 worth of their products. They are chintzy enough that it wasn't Business-Reply Mail, but I decided to invest a stamp, and, since I was doing so, included a couple-page letter of suggestions and customer feedback. I recommend that all other current and former Heath customers do the same -- if they get inundated with user responses, maybe they'll pay attention to at least some of them!

My product-line suggestions included that they come out with a decent-quality $300-$400 range tabletop shortwave receiver, since that is a market void right now, and that they look into the high-end audio market in the areas of minimalist preamps and tube power amps. In both cases, I emphasized that they should first publicize their plans and talk to experts in the field and solicit user input, doing things like going to the ANARC and Monitoring Times conventions to talk to SWLs about radios, and talking with the staffs of The Absolute Sound nd Stereophile about audio gear. Maybe that approach will help them avoid mistakes like their last lousy SW receiver that got such bad reviews.

As a side issue, does anyone out there know when Heath started? The catalog doesn't say. I expected to find some sort of advertising puffery like "serving America's electronic hobbyists since <date>" in it somewhere but couldn't find any such reference. I thought they began in the early '50's. Anybody on the net know for sure?

Regards, Will
wmartin@st-louis-emh2.army.mil OR wmartin@stl-06sima.army.mil

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From -3318580112558306970
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28ee36dae271047e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 08:00:05 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!mips!wyse!stevew
From: stevew@wyse.wyse.com (Steve Wilson xttemp dept303)
Newsgroups: rec.ham-radio
Subject: Re: Worthwhile non-amateur use of 902-928 Mhz
Keywords: Note the inherent self-contradition in this message
Message-ID: <2663@wyse.wyse.com>
Date: 3 Apr 90 19:43:05 GMT
References: <9914@shlump.nac.dec.com>
Sender: news@wyse.wyse.com
Reply-To: stevew@wyse.UUCP (Steve Wilson xttemp dept303)
Organization: Wyse Technology
Lines: 26
Posted: Tue Apr 3 20:43:05 1990

In article <9914@shlump.nac.dec.com> goldstein@carafe.enet.dec.com (Fred R. Goldstein k1io) writes:
>
>Heck, I wouldn't worry too much about 902-928 being turned over to
>commercial services anytime soon. Not so long as its primary occupant
>is the ISM service!

Good theory...but ISM isn't the ONLY primary on the band....I believe another primary is a mobile location service (or something like that...) Everyone down in the LA area has thrown up their hands in recent months because a commercial system is to be installed in the next couple years using something like 7Mhz of the bottom end of the band.

Anybody have better/more accurate details of this?

All of the propossed ARRL band plans are out the window right now because of this system.   Since this other service is primary.. amateur repeater interference won't be tolerated. I also believe this same company is planning on installing similar systems in most of the major metropolitan areas over the next 4-6 years.

>It's a garbage band, given to hams because hams won't interfere with
>rf heaters. :-) Now if the spread-spectrum data were able to get thru
>the crud, and there were little enough crud that the rf-modem vendors
>didn't get overwhelmed with complaints, then maybe...

73's de Steve KA6S

From 6728307669148766181
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,47b4b5ad367dd16f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 08:05:30 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!pt.cs.cmu.edu!sei!ajpo!griest
From: griest@ajpo.sei.cmu.edu (Tom Griest)
Newsgroups: rec.ham-radio
Subject: Foreign Language Translators
Keywords: Language, Translation, Computer, Radio
Message-ID: <659@ajpo.sei.cmu.edu>
Date: 3 Apr 90 22:01:21 GMT
Lines: 30
Posted: Tue Apr 3 23:01:21 1990

Forgive me if I am restating or missing something... I am new to this newsgroup and to Amateur Radio.

It seems to me that amateur international communication could be served by the availability of a public-domain translation system for use with PC-based communication systems. I realize that natural language translation is not a perfect technology, but for people who use Morse code, perfection is obviously not a big consideration.

Do any such systems exist? I have heard of hand-held translators which I suspect are moderately useful for foreign travelers. The draw-backs in these systems is the requirement to carry around the notebook sized machine, and the cumbersome typing-in/reading of the text. These are not an issue for RTTY-type communication systems.

The system I envision is one that provides both the original text on one line and translation(s) under it. A really dumb system would just look up all possible meanings of the source words and display them under the original text. A more sophisticated system would work on phrases, or even use some AI techniques to translate semantics. Since this is not intended for business or diplomatic uses, occasional errors are probably acceptable. I would imagine that for simple systems, real-time translation should be feasible.

Anyone know of the availability of such a system? Or is anyone interested on helping with the development of such a system?

Tom Griest
griest@ajpo.sei.cmu.edu

From -7738130687908477231
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7d20ecf7c2b336d8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 14bc30,7d20ecf7c2b336d8,start

```
X-Google-Attributes: gid14bc30,public
X-Google-ArrivalTime: 1990-04-04 09:32:06 PST
Path: gmdzi!unido!mcsun!uunet!cbmvax!heimat!sneakers
From: sneakers@heimat.UUCP (Dan "Sneakers" Schein)
Newsgroups: rec.shortwave,rec.ham-radio
Subject: Scanner mods database
Message-ID: <11348.AA11348@heimat>
Date: 3 Apr 90 23:44:01 GMT
Followup-To: rec.shortwave,rec.ham-radio
Organization: Sneakers Computing
Lines: 29
Xref: gmdzi rec.ham-radio:10632
Posted: Wed Apr  4 00:44:01 1990
```

[-=-]

On a semi-regular basis I see both requests and answers to questions for scanner modifications. Rather than have to search and repost this information each time id like to offer to collect this information into one file. Then this file could be place at a site that offers a mail server (you send a request via mail and the list is forwarded to your account). To do this I would require 2 things, (1) a site with such a mailer that is willing to keep this list, (2) YOU to send me your list of scanner modifications.

Rest assured I have no plans on converting this information into a book or magazine article. That all credits (if attached) will be maintained. My only goal is to make life easier for those who want to know and as such im willing to donate the time to prepare and maintain (update) a list.

Comments, questions, offers for a mail server....

Sneakers

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                                    ___
     Dan "Sneakers" Schein         ////  Quote:
     Sneakers Computing           ////         Those who worked the hardest
     2455 McKinley Ave.     ___  ////          are the last to surrender.
     West Lawn, PA 19609    \\\\////                 -= Gary Ward =-
                             \\\///
     sneakers%heimat@commodore.com    (or)    uunet!cbmvax!heimat!sneakers
```

```
From 7139185269663765742
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,976af96565963cad,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 10:15:23 PST
Path: gmdzi!unido!mcsun!uunet!kaukau.comp.vuw.ac.nz!massey.ac.nz!GMoretti
From: GMoretti@massey.ac.nz (Giovanni Moretti)
Newsgroups: rec.ham-radio
```

Subject: Reference wanted for systems that Design Analog Circuitry
Message-ID: <661@massey.ac.nz>
Date: 4 Apr 90 02:48:05 GMT
Organization: Massey University, Palmerston North, New Zealand
Lines: 39
Posted: Wed Apr 4 03:48:05 1990
X-Reader: NETNEWS/PC Version 2.1

WHAT
I am interested in finding out what work has been done on expert systems or CAD systems for the DESIGN and SYNTHESIS of DISCRETE ANALOG circuitry.

I'm looking for references to work that encompasses the synthesis of systems (eg radio receivers) down to building these at the component level (such as coils transistors, opamps ...).   I'm looking at systems that help you to design such system, not ones that help you optimise IC layouts ...

WHY
This area is inspired by my constant irritation whenever I want to design anything of having to wade through all the books I used last time (when I can remember what books they were) to find out how many turns you need on a toroid for a certain inductance or any of the other myriad of standard formulae/approximations that we all use when designing something, but not often enough to commit to memory.

STORING CIRCUIT IDEAS
A related part of this is the need to store all the neat circuits/ideas one finds in magazines ... in such a way that it's usable by the synthesiser.   I've got a pile of articles about three feet high that I've copied from magazines, great information in there - if you can find it.

HOW ???
If you know of any work in this area, I'd like to here from you, especially if you have references :-) If you have any ideas or constant source of annoyance that you think a system like this should address let me know.

Thanks
Giovanni ZL2BOI

```
--
-------------------------------------------------------------------------------
|   GIOVANNI MORETTI, Consultant     | EMail: G.Moretti@massey.ac.nz          |
|Computer Centre,  Massey University | Ph 64 63 69099 x8398, FAX 64 63 505607 |
|   Palmerston North, New Zealand    | QUITTERS NEVER WIN, WINNERS NEVER QUIT |
-------------------------------------------------------------------------------
```

From -1350105687453591888
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ff5d5d03d2984f1b,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 10:17:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!OAC.UCLA.EDU!CSMSCST
From: CSMSCST@OAC.UCLA.EDU (Chris Thomas, AA6SQ)
Newsgroups: rec.ham-radio
Subject: Re: Restricted Space Antennas...
Message-ID: <9004050714.AA04260@ucbvax.Berkeley.EDU>
Date: 4 Apr 90 17:17:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Wed Apr 4 18:17:00 1990

Take a look at the section "small loop antennas" in the "antennas for limited space" chapter of the ARRL Antenna Book. Several people on this conference have reported excellent results with small tuned loops on HF. The primary disadvantage of these antennas is that they have a very small bandwidth; other than that, they radiate like gangbusters. The solution to the bandwidth is to have a remotely tuned motorized capacitor.

Also, note in the latest QST, AEA is advertising a 32" small loop for 14-30 Mhz, 150w. It has remote tuning. Sounds like a winner -- has anyone actually seen one, or a price?

Incidentally, these might make interesting Field Day antennas. They are sharp enough that they'd substantially reduce QRM and overload from positions working CW and phone on the same band.

From -2633309357518728369
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aa7082ad7357475e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 10:17:32 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!uwm.edu!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.UUCP (Trivia-R-Us)
Newsgroups: rec.ham-radio
Subject: V31BB
Keywords: just a thought
Message-ID: <27460@ut-emx.UUCP>
Date: 4 Apr 90 04:10:41 GMT
Organization: The University of Texas at Austin, Austin, Texas
Lines: 19
Posted: Wed Apr 4 05:10:41 1990

To all you folks who are so burned up by this guy - why don't you get in touch with W1MFJ, W2MFJ, W3MFJ and all the other MFJ calls you can find, and line them up in the next contest and work BB one by one. It would be fun to listen to.

More realistic is to take AD1C's advice and ignore him.   There are usually V3's on in major contests and at other times. Most of them have US QSL managers and you don't have to suffer through what many of you apparently have.   There are a few countries that have only one active ham most of the time, and you have to work that person if you want a QSL card, but Belize isn't one of them!

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
wills@utxvm (Bitnet)

From -5801652293331541887
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2af943c9fc5744e
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,2af943c9fc5744e
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-04-04 11:01:59 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!mips!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: SAREX STS-35
Keywords: space shuttle sarex
Message-ID: <40043@apple.Apple.COM>
Date: 4 Apr 90 04:38:47 GMT
References: <53940@microsoft.UUCP>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 24
Xref: gmdzi rec.ham-radio:10637 rec.ham-radio.packet:2012
Posted: Wed Apr 4 05:38:47 1990

In article <53940@microsoft.UUCP> joehol@microsoft.UUCP (Joseph HOLMAN) writes:
> i'm disappointed to read in the the AMSAT Journal
> that the SAREX STS-35 mission will only have a 28.5
> inclination - making direct communications to Seattle
> 47.7 latitude impossible...
>
> is anybody out there going to be digipeating someway,
> somehow, so us poor out o' luck northerners will have
> a way to make contact with the packet set-up ???

Joe--

As previously announced in the AMSAT bulletins that Phil Karn posts, AMSAT will have an extensive redistribution network active during both of the next two SAREX missions.

Patty

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--
*****************************************************************************
Patty Winter N6BIS                        INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                     UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************


From 8956962911299547864
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28ee36dae271047e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 11:12:52 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
unix.cis.pitt.edu!dsinc!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo-N3HBZ)
Newsgroups: rec.ham-radio
Subject: Re: Worthwhile non-amateur use of 902-928 Mhz
Message-ID: <22798@netnews.upenn.edu>
Date: 4 Apr 90 18:12:52 GMT
References: <21536@bellcore.bellcore.com> <22638@netnews.upenn.edu>
<35654@cci632.UUCP>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu.UUCP (Jeff DePolo-N3HBZ)
Organization: University of Pennsylvania
Lines: 66
Posted: Wed Apr  4 19:12:52 1990

I wrote:

>> to oranizations who WILL use it.  But hey - we're not using it now, so
>                                    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
>> what's the big deal...
>  ^^^^^^^^^^^^^^^^^^^^^^
>>
>>                               --- Jeff
>

Dave wrote:

>SPEAK FOR YOUR DAMN SELVES!!! It just so happens that in Jeff's part
>of the country is probably THE most active group on 902- namely, the
>Mt. Airy Pack-Rats. I'll bet no one bothered to ask them- specifically
>WA3AXV, N3CX, WA3NUF, WC2K, WA3JUF, WB3JYO or the other officers of the
>club about their opinion regarding this subject. The impact of 1 Watt
>license-free equipment is already being felt on this band- the wireless
>stereo speakers that are now available immediately come to mind. There
>is a fairly large, but mostly unsung group of weak signal operators
>using the 33cm band all over the Northeastern U.S.- you don't hear
>much from us because we mostly are building stuff and running skeds, and
>because we're not all over the band. If the feeling is that we need to do
>something to save the band (and I don't disagree with that feeling), at
>least have the courtesy to save a small portion, say the bottom few
```

>hundred kiloHertz for those of us that pioneered the band. That way we
>can continue to experiment with useless modes such as CW and EME :^)-
>and- oh yeah, so we can demonstrate that we can reliably communicate
>over distances of hundreds of miles with low power and on a band where
>the expected range of communications is in the tens of miles.
>
>There- I feel better now.
>
>Flames to /dev/null- so there.
>
>Dave KD5RO/2   11 states, 35 grids, 3 countries, 1239 miles best dx on 33cm!

I write:

Just to clarify myself - I'm not at all in favor of dumping the 902 band.

The statement that Dave highlighted was meant to be sarcastic, for those of you that didn't catch on. What I'm trying to say is that if hams would start using 902, we would have more of a say in whether or not we get to keep the band as well as what other services/emissions should be allowed on the band. Sitting back and complaining that the FCC is taking our bands is not what's going to cure the problem - you have to use them regularly. 902 is almost only used during contests. Very few people use it for normal day-to-day communications and there are hardly any repeaters on 902. Since there's nobody there, everybody seems to have the attitude that there is no reason to use it if you're not going to have anybody to talk to. This is true. But, look at 2 meters. 20 years (or whatever) ago, there were no 2m repeaters, nobody on 2m FM. But look at it today. All that it takes is some interested people getting on the band and actually using it - even if at first it's only for contests.
Hats off to those guys out there who actually use this band.

--- Jeff

```
+------------------------+-----------------------------------------------------+
|  Jeff DePolo - N3HBZ  | Internet: depolo@eniac.seas.upenn.edu               |
| Univ. of Pennsylvania | RF: 146.685- 224.40- 442.70+ 144.455s (Philadelpia) |
| Computer Science Eng. | Twisted pair: (215) 243-8125 home                   |
|     Class of 1991     | Carrier pigeon: 3901 Spruce St Box 850 Philly 19104 |
+------------------------+-----------------------------------------------------+
```

From 4979019178693400837
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,d4b3bc358535557d,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,7d20ecf7c2b336d8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 11:41:09 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!rex!rouge!pc.usl.edu!jpd
From: jpd@pc.usl.edu (DugalJP)
Newsgroups: rec.radio.shortwave,rec.ham-radio

Subject: Re: Scanner mods database
Message-ID: <6271@rouge.usl.edu>
Date: 4 Apr 90 18:41:09 GMT
References: <11348.AA11348@heimat>
Sender: anon@rouge.usl.edu
Followup-To: rec.radio.shortwave
Organization: Univ. of Southwestern La., Lafayette
Lines: 117
Xref: gmdzi rec.radio.shortwave:885 rec.ham-radio:10681
Posted: Wed Apr 4 19:41:09 1990

In article <11348.AA11348@heimat> sneakers@heimat.UUCP (Dan "Sneakers" Schein) writes:

> On a semi-regular basis I see both requests and answers to questions
> for scanner modifications. Rather than have to search and repost this
> information each time id like to offer to collect this information into

Already being done! Here's the info for Canadian MODS DATABASE:

From: bitlib@business.uwo.CA (Business School Server)
Newsgroups: rec.ham-radio
Date: 4 May 89 16:13:00 GMT

This file is: INTRO MODS

MODS database

This database was setup to archive files containing information on how to modify radio equipement to either improve its performance, or add new functions or capabilities to the radio.

This database runs on a IBM 4381 under VM/CMS. The driving software is a homebrew list exploder with extra routines to handle file requests from mail. The software was written in REXX and is available to whomever likes to take a look at it. It was my first real REXX program so be gentil with regards to beauty of the logic.

To access a file from the archive, send a message to the server running
under userid -> BITLIB@UWO.CA
Also you may try the userid -> BITLIB@UWO.CDN

The subject of the message must be ->   MODS

The text of your message descibes what files you want. For example:
sendme intro mods
sendme radio mods
sendme TH215 mods

You can have as many requests in the same message as required.
INTRO MODS is the file you are reading now.
RADIO MODS is a list of files available.
TH-215 MODS is a file that can be requested.

To submit a file for the database, send me the message and I will add your entry to the database.

**Note: If you don't seem to be getting a reply to your requests, it is probally due to the fact that your header doesn't show a reachable address. You must be reachable from UWO. You can place your return address in the first line of your message. Example:

```
  FROM: someuser@somenode
```

UUCP users have had some success by stating their address as:

```
  userx!usery!userz@julian.uucp
```

Julian can usually find most gateways.

Any questions or concerns can be directed to:

Mark Bramwell VE3PZR
University of Western Ontario
School of Business Administration
London, Ontario

Bitnet: MBRAMWEL@UWO.CA   Packet: VE3PZR @ VE3GYQ

If you are having difficulties getting into the server, you can try anyone of these addresses:

```
bitlib @  business.uwo.ca             .ca .cdn & .bitnet are all
          business.uwo.cdn            acknowledged by our system
          uwovax.uwo.ca
          uwo.ca
          uwovax.uwo.bitnet
```

Our mail system will re-route requests for bitlib to the proper id once it has made it onto campus.

Also, just because you made it to bitlib, does not mean that bitlib can reply to you. Lately I have been getting alot of usenet mail bounced back to bitlib.

If you reply address is different than your address in the FROM: line of the header, please make the first line in your message a new FROM: line EXAMPLE:

```
FROM:  jdoe@central.yalevm.bitnet
```

If after a few days of no response, you can try the following:

```
FROM: HAMRADIO
```

This tells the server to post the response to the INFO-HAMS digest! Since everyone can read the digest, you will eventually receive the reply. INFO-HAMS and REC.HAM-RADIO seem to be the same thing (gatewayed <>) Please don't post numerous files to INFO-HAMS using this method else it might get messy(nasty) on the net.

de VE3PZR, Mark in London.

From: MBramwel@business.uwo.CA (Mark Bramwell   519 661-3714)
Newsgroups: rec.ham-radio
Subject: ftp access for mods database

The mods database is now available through the internet.

IP address: 129.100.22.100   HAMSTER.business.uwo.ca

If you want to post a file, please email it to me.

A separate copy is stored on the IBM 4381 for mail users, therefore
I need to know if a new file comes in.

Enjoy, let me know if you have any problems.
--
-- James Dugal,   N5KNX   Internet: jpd@usl.edu
Associate Director   Ham packet: n5knx@w5ddl
Computing Center   US Mail: PO Box 42770 Lafayette, LA 70504
University of Southwestern LA.   Tel. 318-231-6417 U.S.A.

From 8133782553813890640
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ff5d5d03d2984f1b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 12:16:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!TRIUMFER.BITNET!MULTI
From: MULTI@TRIUMFER.BITNET
Newsgroups: rec.ham-radio
Subject: Restricted Space Antennas...
Message-ID: <90Apr3.173527edt.57418@ugw.utcs.utoronto.ca>
Date: 3 Apr 90 22:32:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Tue Apr 3 23:32:00 1990

I live in a 2nd floor apartment without a balcony, and am trying to get onto HF bands of 20, 40 and 80(!) meters. Have been loading up eight feet of wire using a commercial antenna tuner with poor transmission results, and with the effect that the room lights get brighter on 20 meters, and I get moderate herringbone cable-TV interference on 40 and 80 when loading at full power of one hundred watts output. Currently, I am wondering whether loading up a horizontal loop would result in less local interference and more radiated power. Does anybody have any experience or suggestions?

Y.N. Miles,
<multi@triumfcl.bitnet>,

From -8014603350027704236
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4349c7cbc3b6bdae,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 12:17:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!OUTLAW.UWYO.EDU!edeu5eb
From: edeu5eb@OUTLAW.UWYO.EDU (Mark I Skelton)
Newsgroups: rec.ham-radio
Subject: TM-721/RC-10
Message-ID: <900403190854.208004ea@UWYO.BITNET>
Date: 4 Apr 90 01:09:06 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Wed Apr 4 02:09:06 1990

I have a Kenwood 721 radio and have been wanting to interface this to my repeater to provide a simplex I/O. I want to be able to control various functions of the radio, basically those available on the RC-10 remote handset.

All of the functions from the RC-10 are controlled through the microphone plug. I am wondering if anyone has the communications protocol from the RC-10 to the microphone plug.

I called Kenwood in California today and talked to their technical support. I was told that they didn't have the information but had "heard that some hams had received this information directly from Tokyo but it would take awhile to get a response".

Before writing to Tokyo, I decided to see if anyone on the net had this information.   Any help would be greatly appreciated.

Thanks
Mark Skelton N7CTM
e-mail SKELTON@MOHO.UWYO.EDU

From -4185978659816726945
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d7227db3d84d494e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 12:17:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!SIUCVMB.BITNET!GR6588
From: GR6588@SIUCVMB.BITNET (Kelly Jones)
Newsgroups: rec.ham-radio
Subject: Alf a Ham?
Message-ID: <9004040703.AA09075@ucbvax.Berkeley.EDU>

Date: 4 Apr 90 00:55:02 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 53
Posted: Wed Apr 4 01:55:02 1990

Bill Gunshannon <702WFG%SCRVMSYS.BITNET@CORNELLC.cit.cornell.edu> writes
Code Saves the Day

>
>Date: 28 Mar 90 21:40:37 GMT
>From: cadnetix.COM!cadnetix!rusty@uunet.uu.net (Rusty Carruth)
>Subject: Code Saves the Day
>Message-ID: <11874@cadnetix.COM>
=
=Wow! Well, I can top that! Did you know that ET's know code?
=Yup! I was flipping through the channels on the TV this week, and
=just happened to see Alf as he was making some kind of weighty decision
=about going home.. or something. Anyway, I stopped because there was
=some kind of brass contraption sitting in front of him. After a few
=moments of talking/thinking/something, he took the key in hand and
=<GASP!> sent some code! He sent about 10 characters, as far as I
=could tell, and then when asked what he said, he spent about a minute
=explaining what he said. Talk about compression!
=
>You mean nobody has noticed the KENWOOD HF rig sitting in the garage
>before???   Although they have made reference to Willy being a ham in
>previous episodes, they have never given out his call sign and I have
>never seen any QSL's laying around.
>
>I didn't even know we had a reciprical agreement with MELMAC!!!

>bill   KB3YV

From time to time they have a shot of the "ham shack" (garage) and Willie's call is something like KXY913 or something along those lines. It is not a real call, although it was nice of the producers to have taken the time to use real hams gear. Along the same lines, I was watching Die Hard (starring the guy from Moonlighting...the name escapes me) and they were using either Kenwood TS41's or 21's for their communications. Funny thing, how did he know what frequency the cops used in LA? He was from New York. And wasn't it convenient that it was already dialed in? :)

```
------------------------------
 +--------------------------------------------------------------------------+
 :        *****                                                             :
 :        (0 0)     mmp       KE9KD                        W9UIH            :
 : mmp   ( -~- )   / /    Kelly D. Jones          So. Il. University ARC   :
 :  \ \____{'}____/ /   1195 E. Walnut #J8        Eng. and Tech Building   :
 :   \___/  O  \___/      Carbondale, IL            Carbondale, IL         :
 :      |   O   |             62901                        62901            :
 :      |   O   |                                                           :
 :      :@@@@@@@:               BITNET: GR6588 @ SIUCVMB.BITNET             :
 :      =========               PACKET: KE9KD @ WD9EBQ.IL.USA.NA            :
```

```
 :      |  / \  |                                                        :
 :      |  | |  |            ==>  If it ain't boke, break it  <==         :
 :      |  | |  |       ==>  Sometimes ya godda do whatcha godda do  <==    :
 :    _\u--| |--u/_     ==>  When in doubt, have someone else decide  <==   :
 :   (_____| |_____)                                                     :
 +-----------------------------------------------------------------------+
```

```
From -7690621693164594332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6e516a205ebc903
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 12:31:13 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uwm.edu!
ux1.cso.uiuc.edu!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Heathkit Info
Message-ID: <waX3g1w161w@w8grt.fidonet.org>
Date: 4 Apr 90 01:14:31 GMT
References: <9004020605.AA12497@ucbvax.Berkeley.EDU>
Organization: QRV de W8GRT
Lines: 17
Posted: Wed Apr  4 02:14:31 1990

RBMURDOC@COLOSPGS.BITNET writes:

> allbery@NCoast.ORG (Brandon S. Allbery) writes in article
>         <1990Mar31.020339.14162@NCoast.ORG>...
> >I discovered earlier this week that the Cleveland area's only remaining
> >Heathkit store is no more.  Is Heathkit gone?  If not, where and to whom do
> >write to get a catalog?
>
>         Heath Company
>         P.O. Box 1288
>         Benton Harbor, MI 49022
>
>         Orders: 1-800/253-0570, 24 hours a day.
>         (the catalog has several other phone numbers)

The Heath Users' Group also has a landline BBS which will accept orders
from approved members.


From 343493335875489215
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1259ec02106c79d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 12:32:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!hp-sdd!hplabs!
hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
```

Subject: Re: Xtals for old Drake R4B
Message-ID: <1250140@hpnmdla.HP.COM>
Date: 4 Apr 90 03:04:21 GMT
References: <3112@auspex.auspex.com>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 8
Posted: Wed Apr 4 04:04:21 1990

I THINK the formula for Drake 4-line crystals is:

F(crystal) = F(low end of band) + 11.1 MHz

The 11.1 number is what I'm not sure of. Check one or two of the other crystals to see if this is the right number.

Al N1AL

From 3425632403624411617
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bbbbe1da2f6ef568,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 12:45:38 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!CCF3.NRL.NAVY.MIL!zwirko%v5120.decnet
From: zwirko%v5120.decnet@CCF3.NRL.NAVY.MIL ("V5120::ZWIRKO")
Newsgroups: rec.ham-radio
Subject: RE: INFO-HAMS Digest V89 #699
Message-ID: <9004040703.AA09041@ucbvax.Berkeley.EDU>
Date: 3 Apr 90 20:52:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1
Posted: Tue Apr 3 21:52:00 1990

mailer test - from NRL

From -6062461026529026386
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ddf28ffc966a9e55,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 12:47:05 PST
Path: gmdzi!unido!mcsun!sunic!tut!utu.fi!kontu.utu.fi!antsu
From: antsu@kontu.utu.fi
Newsgroups: rec.ham-radio
Subject: Webersat pictures , how to locate ?
Message-ID: <34523.2619ebdd@kontu.utu.fi>
Date: 4 Apr 90 12:43:09 GMT
Lines: 8
Posted: Wed Apr 4 13:43:09 1990

Hi all networkers!

I am trying to locate a place, where to get some Webersat taken
pictures. I would like some in b&w in some standard format
for example GIF TIFF etc...
Are there any available via anonymous ftp ??

73's to all de Antti-Pekka OH1YF

From -4398007599774451998
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e102b9260da363c0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 13:08:09 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!psuvax1!eds1!wa3wbu!compnect!daveh
From: daveh@compnect.UUCP (Dave Hultberg)
Newsgroups: rec.ham-radio
Subject: Help on QSL Routes
Keywords: QSL
Message-ID: <515@compnect.UUCP>
Date: 4 Apr 90 20:08:09 GMT
Organization: John Core at home, Harrisburg,PA
Lines: 17
Posted: Wed Apr 4 21:08:09 1990

I worked a bunch of stations during this year's CQ WW WPX contest that aren't
in the 1990 Callbook. I would appreciate it if anyone could give me the
mailing address or QSL route/manager for the following callsigns:

ED4VPM
FF1COM
FF1MKK
PB0AIU
TM6A
Y38I

Thanks in advance for any help. 73

```
--
==============================================================================
Dave Hultberg   Radio:  KA3UZR             UUCP:  uunet!wa3wbu!compnect!daveh
CIS:  72437,3215   US Snail:  1407 Concord Road, Mechanicsburg, PA  17055-1955
```

From 5009096960774355062
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae7a5e25e82e4690,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,ae7a5e25e82e4690,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-04-04 16:35:22 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!unisoft!washer
From: washer@unisoft.UUCP (Jim Washer)

Newsgroups: rec.ham-radio,sci.electronics
Subject: electronic components dealers?
Keywords: electronic part components mail-order dealers
Message-ID: <2909@unisoft.UUCP>
Date: 4 Apr 90 17:25:50 GMT
Lines: 24
Xref: gmdzi rec.ham-radio:10651 sci.electronics:6066
Posted: Wed Apr 4 18:25:50 1990

Forgive me if this has 'been done to death', but I haven't seen
it since I began reading these newgroups. (~6 mos)

I'd like to assemble a list of 'electronic component dealers'.
If you would care to mail me a list of your favorite dealers
along with phone number, address, and any 'speciality', I will
assemble the list, verify the addr and numbers, as well as things
like 'catalog available', 'minimum orders', etc and post the list.

Once again, if this has already been RECENTLY done, I beg your pardon.

Thanks in advance

Jim Washer KK6GQ
UniSoft Corp
6121 Hollis St
Emeryville, Ca 94608-2092
(415) 420-6410 x137

uunet!unisoft!washer
washer@unisoft.com

From 8470682514619773214
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6df8d020031e461
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 16:45:09 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!ucbvax!hplabs!hpcc01!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Re: Technical question on RF power measurements
Message-ID: <18230002@col.hp.com>
Date: 4 Apr 90 23:45:09 GMT
References: <8230@tank.uchicago.edu>
Organization: HP Colorado Springs Division
Lines: 27
Posted: Thu Apr 5 00:45:09 1990

>/ col:rec.ham-radio / gary@tank.uchicago.edu (Gary Buchholz) / 4:30 pm Apr 2, 1990 /

```
>
>
>RF input power; RF output power;
>
>
>So here's the question(s).
>
>    1) At what points are these values measured and by what mechanism?
>
  RF input power is the DC power at the last power amplifier stage.
  The FCC used this type of measurement because it was easy to do with
  simple DC meters.

  RF output power is the power coming out of the last power amplifier
  stage (and presumably to the antenna). It requires an RF power meter
  to measure it.

  The difference betweent the two powers is accounted for by the
  efficiency of the amplifier.

--------------------------------------------------------------------
Bob Witte              HP Colorado Springs Division
bobw@col.hp.com        P.O. Box 2197
Phone:(719) 590-3230   Colorado Springs, CO  80901
Radio: KB0CY           Packet: kb0cy@w0lkd
--------------------------------------------------------------------



From -886861815712642084
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28ee36dae271047e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 19:47:13 PST
Path: gmdzi!unido!mcsun!uunet!usna!trw
From: trw@usna.NAVY.MIL (tsmith <trw@usna>)
Newsgroups: rec.ham-radio
Subject: Re: Worthwhile non-amateur use of 902-928 Mhz
Message-ID: <242@usna.NAVY.MIL>
Date: 4 Apr 90 16:44:53 GMT
References: <21536@bellcore.bellcore.com> <ZPZ1g1w161w@w8grt.fidonet.org>
Organization: U.S. Naval Academy, Annapolis, MD
Lines: 36
Posted: Wed Apr  4 17:44:53 1990

> > We, at UPenn, are in the final stages of putting our
> > local magnet high school of engineering and
> > science -- the George Washington Carver High School
> > in Philadelphia onto the internet via
> > a spread spectrum radio link operating license free at
> > 900 mh.
> >
> > In my opinion, this operation ought to fall squarely within amateur radio's
> > role in supporting education. I'd consider it a credit to the service if
```

> > this operation were done under an amateur license.
>
> I agree heartily. And when they get their new ham tickets (either code or
> no-code variety), they can tack on amps and boost their range. Hurrah for them!

As has been stated many times before in this forum, The INTERNET can not be
LEGALLY directly gatewayed to amateur radio. The content of 90% of the traffic
is unsuitable for amateur radio transmission.

However I applaud the use of radio to extend this kind of service to people
who would otherwise have no way to get access. I have long been an advocate
of using the technology we have developed to bring more and better service
the the general population. I think that packet radio technology can be put
to use in building inexpensive networks for lower level schools who don't
have the resources of a university.

Maybe if we as hams started setting these systems up and showing schools and
libraries etc. what could be done with it, we might win back that mystique
we once held with the general public. Radio by itself no longer mystifies
anyone, but we have much more than that to offer today. Lets stop hiding
our lamps under bushel baskets and get out there and show that there is more
to ham radio than field day.

bill KB3YV

bill@platypus.uofs.edu
702wfg@scrvmsys.bitnet

From -7639230828912893897
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fe2dbd76acb4f9e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 20:47:34 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!mit-eddie!bu.edu!mirror!frog!john
From: john@frog.UUCP (John Woods)
Newsgroups: rec.ham-radio
Subject: Re: Who got Heathkit?
Message-ID: <13555@frog.UUCP>
Date: 4 Apr 90 21:07:00 GMT
References: <1990Mar31.020339.14162@NCoast.ORG> <609@ssc.UUCP>
Organization: Misanthropes-R-Us
Lines: 11
Posted: Wed Apr 4 22:07:00 1990

In article <609@ssc.UUCP>, markz@ssc.UUCP (Mark Zenier) writes:
>
> Now that Bull is buying the Zenith Computer division, who got Heath?
> Bull or Zenith?
>
Bull did. Now I'm waiting for Heathkit to come out with a kit version
of the GE-635 computer so that Honeywell can finally have a market for
MULTICS...   ;-)

--
John Woods, Charles River Data Systems, Framingham MA, (508) 626-1101
...!decvax!frog!john, john@frog.UUCP, ...!mit-eddie!jfw, jfw@eddie.mit.edu

From 4477613856565765967
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28ee36dae271047e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 21:02:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!decwrl!shelby!portia!jessica!paulf
From: paulf@jessica.Stanford.EDU (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: Worthwhile non-amateur use of 902-928 Mhz
Message-ID: <10771@portia.Stanford.EDU>
Date: 4 Apr 90 18:41:13 GMT
References: <21536@bellcore.bellcore.com> <22638@netnews.upenn.edu>
Sender: USENET News System <news@portia.stanford.edu>
Organization: The Three Packeteers
Lines: 11
Posted: Wed Apr 4 19:41:13 1990

In article <22638@netnews.upenn.edu> depolo@eniac.seas.upenn.edu.UUCP (Jeff DePolo-N3HBZ) writes:
>I have to agree with Phil (not only because I'm involved in the project :-).

I also agree with Phil, but for entirely technical reasons. The spectrum above 500 MHz is pretty unsuited for multiaccess networks (FM repeaters being but one example). Between 500 and 1000 MHz, hybrid mono - multi systems are more spectrally efficient, and above 1GHz, you really want to stick to point to point systems.

-=Paul Flaherty, N9FZX/VK2WYX | "Unix could use a more user-friendly front
->paulf@shasta.Stanford.EDU | end. Does anyone have a card punch handy?"

From 8976029372663814498
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,89b7744be275eedf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 23:21:37 PST
Path: gmdzi!unido!mcsun!uunet!unsvax!arrakis.nevada.edu!storkus
From: storkus@arrakis.nevada.edu (Mike Storke (N7MSD))
Newsgroups: rec.ham-radio
Subject: Re: 49Mhz conversion question
Message-ID: <1521@unsvax.NEVADA.EDU>
Date: 4 Apr 90 23:28:35 GMT
References: <1690050@hpfcmgw.HP.COM>
Sender: news@unsvax.NEVADA.EDU
Reply-To: storkus@arrakis.nevada.edu.uucp (Mike Storke (N7MSD))
Organization: Hackers, Crackers, and Hams around the world
Lines: 6

Posted: Thu Apr 5 00:28:35 1990

I would also be interested in any information on this out there. Many other toy 49 MHz walkie-talkies sold by the rat shack as well as others contain a similar configuration, and I have 4 of these at home, waiting for 6M conversion. It seems easy enough, but any real help would really be appreciated. Thanks and 73's, Mike, N7MSD

From 4497810857911971517
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5499454718a3e760,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-05 00:30:42 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!zaphod.mps.ohio-state.edu!wuarchive!cec2!sek9424
From: sek9424@cec1.wustl.edu (Scott Eric Keller)
Newsgroups: rec.ham-radio
Subject: College and Univ. Net on 10m
Message-ID: <1990Apr4.214112.4872@cec1.wustl.edu>
Date: 4 Apr 90 21:41:12 GMT
Sender: news@cec2 (USENET News System)
Reply-To: sek9424@cec2.wustl.edu (Scott Eric Keller)
Organization: Washington University, St. Louis, MO
Lines: 24
Posted: Wed Apr 4 22:41:12 1990

For those interested, the first real convening of the College and University net went fairly ok. Propogation was really good to the western US and we spoke with several stations. Unfortunately, only one was really affiliated with a university. I don't have the calls at hand, but the two gentlemen were mobile and were from UCSD. We discussed the possibility of them operating from the site of a crew regatta their school is sponsoring. Wash U. is participating and I am sure several other schools that may have radio clubs are as well. The competition is this weekend and I got the impression that they would be there on Saturday. We are going to try to link up with them and find out how our team is doing if they ever get back to me with the times and freqs they will be on. (Yo, Andy! Are you out there?)

In any event, we will try to convene the net again this weekend. Again that is 28.425+-, Saturday at 1800Z. Control will be W0QEV here at Wash U. If you have any questions, let me know. Hope to see you on the air....

73,
Scott - KA0WCH

--
Scott Keller (KA0WCH) - Permanent Undergrad - Dept. of Computer Science
Wa$hington Univer$ity - St. Louis, Mo. USA
Internet: sek9424@cec2.wustl.edu UUCP:ihnp4!wucec2!sek9424 (I think...)
The opinions represented here are mine and mine alone, not Wa$h. U's.

From -7745509159996456531
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28ee36dae271047e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-05 00:36:29 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Worthwhile non-amateur use of 902-9
Message-ID: <30500489@ux1.cso.uiuc.edu>
Date: 5 Apr 90 00:39:41 GMT
References: <21536@bellcore.bellcore.com>
Lines: 23
Nf-ID: #R:bellcore.bellcore.com:21536:ux1.cso.uiuc.edu:30500489:000:1002
Nf-From: ux1.cso.uiuc.edu!phil   Apr 4 14:37:00 1990
Posted: Thu Apr 5 01:39:41 1990

There are THREE possible ways to increase the usage of 33cm:

1. Increase the amount of radio activity the users of 33cm do.

2. Increase the number of hams and hope the new ones use 33cm.

3. Move some of the hams from other bands such as 80m and 20m to 33cm.

Given an already very low number of hams on 33cm, if each ham were to operate 16 hours a day, it would still not be enough.

Of course the current "no-code" bunch is already trying #2. Now if all the people who are against a no-code license, would do more of #3, then maybe we won't need a "no-code" license.

Let's set a goal. If 50,000 amateurs will change their primary operating band from an HF band up to 33cm, and operate at least 3 hours per day, then I will back down from my efforts to get more hams who are interested in UHF into the hobby by means of a no-code license.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From 3022156211422116046
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28ee36dae271047e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-05 00:36:32 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!wuarchive!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio

Subject: Re: Worthwhile non-amateur use of 902-9
Message-ID: <30500488@ux1.cso.uiuc.edu>
Date: 5 Apr 90 00:39:45 GMT
References: <21536@bellcore.bellcore.com>
Lines: 10
Nf-ID: #R:bellcore.bellcore.com:21536:ux1.cso.uiuc.edu:30500488:000:481
Nf-From: ux1.cso.uiuc.edu!phil   Apr 4 13:25:00 1990
Posted: Thu Apr 5 01:39:45 1990

6 users in one area don't constitute sufficient usage to make the band nearly used as other land mobile services use their bands.

Unless we can get MOST of the OF's off HF and onto 33cm, we might as well write the band off for anything but a few isolated point-to-point links which could be just as well done on 23cm or 13cm.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.

From -6355518306866139291
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,86c92d69ab69ee72
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-05 00:36:34 PST
Path: gmdzi!unido!mcsun!uunet!samsung!know!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Comments on "ARRL FILE FORMAT"
Message-ID: <30500490@ux1.cso.uiuc.edu>
Date: 5 Apr 90 00:39:21 GMT
Lines: 16
Nf-ID: #R:<9004031956.AD00051@rtp40.dg.com:-33:ux1.cso.uiuc.edu:30500490:000:785
Nf-From: ux1.cso.uiuc.edu!phil   Apr 4 14:49:00 1990
Posted: Thu Apr 5 01:39:21 1990

My interpretation of the ARRL log file format requirements indicates that they are intending, at the present anyway, to just PRINT out the file you send them.

It would be nice if a general purpose file format can be designed for logging info that can handle a large number of cases and contest types. I believe it can be done, and done more efficiently than a plain printable format.

Does the ARRL accept the files compressed? I don't know yet if large logs in the format they now want would fill up a disk. They should be prepared to accept some of the defacto standards, such as .arc, .tar.z, .zip, .zoo, and .z extensions.

--Phil Howard, KA9WGN-- | Individual CHOICE is fundamental to a free society

```
<phil@ux1.cso.uiuc.edu> | no matter what the particular issue is all about.


From 843925242585734566
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d7227db3d84d494e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-05 02:30:27 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!att!cbnewsj!k2ph
From: k2ph@cbnewsj.ATT.COM (The QRPer)
Newsgroups: rec.ham-radio
Subject: Re: Alf a Ham?
Message-ID: <4498@cbnewsj.ATT.COM>
Date: 4 Apr 90 20:45:29 GMT
References: <9004040703.AA09075@ucbvax.Berkeley.EDU>
Organization: QRM Central
Lines: 9
Posted: Wed Apr  4 21:45:29 1990

Hey, I didn't buy my TS-940S until after I saw it being used
to communicate with Melmack (spelling?) in 1988!  If it's
good enough for Willie Tanner...  :-)

--
=================================================================
Bob Schreibmaier K2PH  | UUCP: att!lzss!k2ph or k2ph@lzss.att.com
AT&T Bell Laboratories | ARPA: k2ph%lzss@att.arpa
Lincroft, N.J. 07738   | ICBM: 40o21'N, 74o8'W


From -9195612165685093681
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fe2dbd76acb4f9e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-05 04:26:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!think!zaphod.mps.ohio-state.edu!
tut.cis.ohio-state.edu!att!cbnewse!parnass
From: parnass@cbnewse.ATT.COM (Bob Parnass, AJ9S)
Newsgroups: rec.ham-radio
Subject: Re: Who got Heathkit?
Summary: Bullkit
Message-ID: <14062@cbnewse.ATT.COM>
Date: 5 Apr 90 11:26:46 GMT
References: <1990Mar31.020339.14162@NCoast.ORG> <609@ssc.UUCP> <13555@frog.UUCP>
Organization: AT&T Bell Laboratories, Naperville, IL
Lines: 4
Posted: Thu Apr  5 12:26:46 1990

As I've speculated here before, Heathkit may become Bullkit  :-)
--
============================================================================
Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihuxz!parnass (708)979-5414
```

```
From -2869028498202468119
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11ef10d675bdeab7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-05 04:47:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!tut.cis.ohio-state.edu!
zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!es.UUCP!Jay_Appell
From: Jay_Appell@es.UUCP
Newsgroups: rec.ham-radio
Subject: Peter Viezbicke
Message-ID: <9004050747.8A3C06040065@es.office>
Date: 5 Apr 90 11:47:08 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Thu Apr  5 12:47:08 1990
```

To the gentleman who is looking for Peter Viezbicke's info:

Amateur Call W0NXB Theresa Dr. Boulder, CO. 80303 Advanced

Hope this helps!

-Jay- KA1SNA

```
From 4143666483639502993
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bca360940664e30e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-05 06:07:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!swrinde!ucsd!ucbvax!PAXRV-
NES.NAVY.MIL!hfair
From: hfair@PAXRV-NES.NAVY.MIL ("JARRETT, STEVE")
Newsgroups: rec.ham-radio
Subject: VK2SG RTTY DX BULLETIN
Message-ID: <9004060734.AA03469@ucbvax.Berkeley.EDU>
Date: 5 Apr 90 13:07:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 3
Posted: Thu Apr  5 14:07:00 1990
```

I missed not reading the VK2SG RTTY DX BULLETIN this week. I guess I
have become hooked to on its timely news. My personnal thanks to
whoever has been providing it and hope it will continue.

```
From 5573331457593609926
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92b5104fac5189df,start
```

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-05 06:48:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!swrinde!ucsd!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Digitial Audio (response)
Message-ID: <9004051348.AA05544@cmr.ncsl.nist.gov>
Date: 5 Apr 90 13:48:11 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 41
Posted: Thu Apr 5 14:48:11 1990

Koffi Magliore asks about the status of Digital Radio. I gather, from following Broadcasting magazine, that digital radio is going to be real in Europe fairly soon. The interest there mostly centers on Direct Broadcast Satellites (DBS), with gap-fillers on the ground for tunnels, etc. Filling in the blanks in the non-technical articles, some sort of pseudo-random coding is used, since they talk about multipath being a benefit to improve coverage. A big pitch and demos happened at the (US) National Accosiation of Broadcasters (NAB) covention last weekend in Atlanta. It is recognized that US policy on broadcasting would require Digital Audio to be a terrestrially-based service here, not DBS. Numbers bandied about include up to 24 audio services multiplex on a 4-MHz bandwidth transmitter. The Europeans (often French) who are pushing the most, talk about using schemes to reduce the required bit rate by "not sending the unneeded part of the sounds". (see more below)

As hams, we should be most concerned by the statements that the Digital Audio people have decided that the 500 to 2000 MHz region is the only one suitable, and that they need about 100 MHz of that region!!!!!

Currently, there is a fair amount of digital audio used to distribute radio programs by satellite. While I would reallly like to know more about the subject, the scheme seems to be to sample the incoming audio at 32,000 15-bit samples per second (barely adequate for the claimed 15 kHz response), and block the samples into groups of 32 (or is it 64 for stereo) [one millisecond worth]. A scale-factor is then determined for each block, and the block is sent with 11-bit audio (not the 15 bits of the original samples), with a single scale factor for the whole block. The process is reversed upon reception to compander back to a 15-bit dynamic range (~ 90 dB). Note that the distortion is roughly that of an 11-bit signal, say 0.1 %. National Public Radio uses this system and markets it commercially. ABC-radio also distributes by digital audio.

My knowledge is sketchy, in that I don't know what 7-8 code expansion they use, what error control, etc., etc. The equipment, from Scientific Atlanta and others (?), gets about 24 channels on a single transponder, any 15 kHz audio channel can be split into two 7.5 kHz channels, etc.

Does anyone have more (or better) info?

Bob W3OTC

From -1078173898783151326
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1259ec02106c79d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-05 08:30:53 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!
zaphod.mps.ohio-state.edu!hp-sdd!hplabs!hpfcso!hpfinote!jsb
From: jsb@hpfinote.HP.COM (Jeff Beauprez)
Newsgroups: rec.ham-radio
Subject: Re: Xtals for old Drake R4B
Message-ID: <16170014@hpfinote.HP.COM>
Date: 4 Apr 90 17:26:23 GMT
References: <3112@auspex.auspex.com>
Organization: Hewlett Packard CICD
Lines: 19
Posted: Wed Apr 4 18:26:23 1990

Give the parts department a call at Drake. They still stock most of what you need for the "R4-" series equipment.

```
The Address is:  R.L. Drake
                 9111 Springboro Pike
                 Miamisburg, OH 45342
                 Parts: 513/866-3211
                 Gen.   513/866-2421
```

```
   --... ...--   --... ...--    -.. .   .-- --- ----- .---
   Jeff Beauprez WO0J

   Hewlett-Packard CICD R&D                jsb@hpfijsb.HP.COM
   3400 E. Harmony Rd                      (303)229-3964
   Ft. Collins, CO 80525
   --.- .-. .--.   .. -.   - .... .   .-. --- -.-. -.- .. . ...
```

From -8355842280529970855
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6df8d020031e461
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-05 09:01:12 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!usc!brutus.cs.uiuc.edu!
zaphod.mps.ohio-state.edu!hp-sdd!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: Technical question on RF power measurements

Message-ID: <18230017@hpfcdj.HP.COM>
Date: 4 Apr 90 18:09:21 GMT
References: <8230@tank.uchicago.edu>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 41
Posted: Wed Apr 4 19:09:21 1990

>Excuse my intrusion into this ham group but I think this is the best
>place to get my technical question answered.
>
>RF input power; RF output power;

Actually, the *input* power shouldn't be expressed as "RF" power; the typical input power measurement - and the basis for most power-limit regulations - has to do with the DC power supplied to the output stage. This is simply the product of the DC supply voltage and current delivered to the final stage, except for any filament supply (if any).

The RF *output* power is just exactly that, and is intended to mean the actual honest-to-God RF power that the output will deliver into its nominal load - usually 50 ohms for amateur and CB transmitters. It can easily be measured via an in-line wattmeter or by RF voltage measurements on an appropriate dummy load. The output power is obviously less than the input power, as no amplifier can be 100% efficient. 4W out for 5 in is pretty unrealistic; your 2.5 - 3.5 (at the outside) figures are much more believable for an AM transmitter with a typical output stage. Output power, as measured in this manner, in NOT dependent on the antenna used, although everything after the output stage - cable losses, whether or not the antenna is properly matched, etc. - plays a part in determining how much of the output actually makes it out as useful radiated energy. "Gain" antenna such as a beam or quad do not actually increase the power, they simply concentrate more of the radiated energy in one direction (at the expense of all others).

A favorite marketing ploy for CB transmitters which include single-sideband mode (SSB) is to quote the "peak envelope power", or PEP. This number CAN be greater than those quoted for AM outputs, as power measurements for SSB are not as straightforward as those for AM; the SSB envelope precludes the simple voltage-across-the-dummy-load technique as a meaningful measurement. However, the *DC* input to the final stage is still the same, and that's what the FCC is (or at least used to be) concerned about. (I believe that the CB regs were revised to limit the RF output power to 4W some time back for AM rigs, with an appropriate PEP number for SSB transmitters.)

Bob Myers KC0EW   HP Graphics Tech. Div.| Opinions expressed here are not
                   Ft. Collins, Colorado | those of my employer or any other
myers%hpfcla@hplabs.hp.com | sentient life-form on this planet.

From -5495413244153062915
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d7227db3d84d494e

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-05 09:03:26 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!att!dptg!lzsc!mkg
From: mkg@lzsc.ATT.COM (Marsh Gosnell)
Newsgroups: rec.ham-radio
Subject: Re: Alf a Ham?
Summary: one of Alf's production staff is a ham
Message-ID: <1543@lzsc.ATT.COM>
Date: 5 Apr 90 02:17:44 GMT
References: <9004040703.AA09075@ucbvax.Berkeley.EDU>
Organization: AT&T BL Middletown/Lincroft NJ USA
Lines: 3
Posted: Thu Apr 5 03:17:44 1990

One of the producers or writers (I can't remember which) for Alf is a ham.
He works ham radio into the story line where appropriate.
  Marsh Gosnell AD2H mkg@lzsc.att.com

From 8986549294296450484
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b78495e5bc17cef1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-05 09:30:42 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!usc!zaphod.mps.ohio-state.edu!hp-sdd!hplabs!hpcc01!hpcuhb!hpcuha!nicholso
From: nicholso@hpcuha.HP.COM (Ron Nicholson)
Newsgroups: rec.ham-radio
Subject: Novice or Technician exam?
Message-ID: <11390001@hpcuha.HP.COM>
Date: 4 Apr 90 18:25:47 GMT
Organization: Hewlett Packard, Cupertino
Lines: 23
Posted: Wed Apr 4 19:25:47 1990

I have a question about what exams to take. But first some history.

I got interested in electronics when I was in grade school, sometime in the mid '60s. I started studying for a ham license, but lost interest (what's the average 6th graders attention span?) when my code speed was only 2-3 WPM (remember code practice LP's?) Well just the other day, when I was trying out some PD and shareware programs on a new PC, I found a Morse code training program. I discovered that with a few minutes practice that I could now copy alphabetics at 5 WPM! Osmosis or something.

Anyway I looked at some license prep books, and decided that I could pass the written for both novice class (2) and technician class (3a). But one of the books recommended against taking both tests at the same time.

So my question is: should I take one or both? What's the problem if I try to take both exams at the same time?

Thanks,

```
---
Ronald H. Nicholson, Jr.         Hewlett Packard
uucp: nicholso@hpda.HP.COM       Cupertino, CA
(408) 447-6603                   #include <canonical disclaimer>
```

From -5970747628111775381
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3b4bc6556768eb0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-05 09:33:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
elroy.jpl.nasa.gov!decwrl!ucbvax!UTRCGW.UTC.COM!RJA%UTRC
From: RJA%UTRC@UTRCGW.UTC.COM (RICH)
Newsgroups: rec.ham-radio
Subject: Re: ARRL file format comments
Message-ID: <9004051133.RJA%UTRC@utrcgw.utc.com>
Date: 5 Apr 90 16:33:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 42
Posted: Thu Apr 5 17:33:00 1990

In response to KA9WGN's comments on the ARRL file format:

> My interpretation of the ARRL log file format requirements indicates that
> they are intending, at the present anyway, to just PRINT out the file you
> send them.

No, the ARRL Contest Branch will read the file, convert it into a binary format and then add it to a database of contest files. Each file will be checked for dupes, the multipliers will be determined and counted, and the log will be scored. They will also be able to do cross-checking and unique call sign analyis of logs (identifying calls which are "unique" to that log compared against a database of all known good calls, active calls in contests, calls contained in other logs or calls who's log has been submitted). The uniques analysis capability is being developed -- other groups such as the CQ Contest Committee and various individuals have been doing "uniques" analysis for a number of years. A contact labeled as "unique" MAY be a bad call, but not necessarily. A high unique rate raises eyebrows regarding the accuracy of log, but is NOT absolute proof as to the accuracy of a log. It's analagous to the IRS, but hopefully the logs are more accurate than tax returns...

> It would be nice if a general purpose file format can be designed for logging
> info that can handle a large number of cases and contest types. I believe it

The format we developed should handle all contest types since the data in it is common to all contests. A binary format (rather than ASCII) would be more efficient -- considerable discussion of binary vs. ASCII took place before we decided on our course of action, which was described in the original posting.

> Does the ARRL accept the files compressed? I don't know yet if large logs
> in the format they now want would fill up a disk. They should be prepared
> to accept some of the defacto standards, such as .arc, .tar.z, .zip, .zoo,
> and .z extensions.

You raise an interesting point. I don't see why not as long as it was a commonly used compression routine. But 99% of the logs should fit on a 360K floppy without compression.

Rich Assarabowski K1CC
Contest Advisory Committee
RJA%UTRC@utrcgw.utc.com

From 6442948423040510769
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eec6a151a4e0f1f8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10aaed,4aa41b8003ce6448
X-Google-Attributes: gid10aaed,public
X-Google-ArrivalTime: 1990-04-05 09:45:42 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!usc!ucsd!nosc!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley__Wb6wui)
Newsgroups: rec.ham-radio
Subject: Motorola Model Number Decoding--help
Message-ID: <2093@crash.cts.com>
Date: 5 Apr 90 01:56:01 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 13
Posted: Thu Apr 5 02:56:01 1990

Anyone have the listing for the various model numbers series? I know many of the numbers of the Motrans and earlier. But the later model radios have left me in the dust.

By the way, have 5 UHF 2 freq carrier squelch MT-500's with two rapid chargers and 2 Hi-band 5 watt 2 channel HT-90's with 1 rapid charger with anyone is interested.

```
***************************************************************************
Mike Shirley, WB6WUI          INET: mikey@pnet01.cts.com
PO Box 460, Lakeside, CA      ARPA: crash!pnet01!mikey@nosc.mil
            92040-0460        UUCP: {hplabs!hp-sdd nosc}!crash!pnet01!mikey
***************************************************************************
```

From 8981270812462775415
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ae7a5e25e82e4690

```
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,ae7a5e25e82e4690
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-04-05 09:47:11 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!usc!cs.utexas.edu!
asuvax!mcdphx!citek.UUCP!hbg6
From: hbg6@citek.UUCP (John Schuch)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: electronic components dealers?
Keywords: electronic part components mail-order dealers
Message-ID: <12687@mcdphx.phx.mcd.mot.com>
Date: 5 Apr 90 01:40:06 GMT
References: <2909@unisoft.UUCP>
Sender: listen@mcdphx.phx.mcd.mot.com
Reply-To: hbg6@citek.UUCP (John Schuch)
Followup-To: rec.ham-radio
Organization: Motorola Microcomputer Division, Tempe, Az.
Lines: 8
Xref: gmdzi rec.ham-radio:10668 sci.electronics:6076
Posted: Thu Apr  5 02:40:06 1990

In article <2909@unisoft.UUCP> washer@unisoft.UUCP (Jim Washer) writes:
>
>I'd like to assemble a list of 'electronic component dealers'.

Do you mean general hobbiest firms or industrial distributors? I mostly
use the latter ( samples for small quantities ).

John


From -8319756599494854463
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f9eb22e590bd4427,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-05 10:20:26 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!iuvax!
ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: test
Message-ID: <LoV5g1w161w@w8grt.fidonet.org>
Date: 5 Apr 90 02:34:44 GMT
Organization: QRV de W8GRT
Lines: 1
Posted: Thu Apr  5 03:34:44 1990

test


From -7426742616632653976
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e5797e7aa3c8ee04,start
```

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-05 10:30:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Maidenhead Grid Square System
Keywords: location identification
Message-ID: <23911@usc.edu>
Date: 5 Apr 90 11:45:04 GMT
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 59
Posted: Thu Apr 5 12:45:04 1990

Somebody asked about the Maidenhead Grid Square Locater System. Here are the details of how this system works. This system is in widespread use in North America on VHF/UHF/SHF/EHF. I believe that it is also catching on in Europe. I think it is one of the best location identification schemes ever developed.

The world is divided up into fields. Fields are divided up into squares. Squares are divided up into sub-squares.

Each field is 10 degrees N-S by 20 degrees E-W.
Each field is indicated by a two (capital) letter identifier. The South-Western most field is AA. This field is actually a triangle, and it is located from the South Pole to 80 degrees South, and from 180 degrees West to 160 degrees west. The field directly north of AA is AB. The field directly north of AB is AC. The field directly east of AA is BA.

Each field has 100 squares. Each square is 1 degree N-S by 2 degrees E-W. Each square (inside it's respective field) is indicated by a 2 number identifier. The South-Western most square in a field is 00. The square just north of 00 is 01. The square just north of 01 is 02. The square just east of 00 is 10. The North-Eastern most square in a field is 99.

It is meaningless to refer to a square, without first identifying it's respective field.

For most amateurs, this is enough. On VHF, for example, when I lived in Grand Rapids, Michigan, I identified my location as EN72. On higher bands, (or maybe for other reasons), you might want to identify your location more accurately. For this, sub-squares are used.

Each square has 576 sub-squares. Each sub-square is 2.5' N-S by 5' E-W. Each sub-square (inside it's respective field) is indicated by a two (lower-case) letter identifier. There are 24 x 24 sub-squares in each square; each sub-square is pretty %^&* small. The South-Western most sub-square in a square is "aa". The sub-square just north of this is "ab". The sub-square just east of "aa" is "ba".

It is meaningless to refer to a sub-square, without first identifying the field and square.

When operating on the higher bands from my GR, MI QTH, I identified my location as EN72eu. To wrap this up: The fields, squares, and sub-squares adjacent to mine were:

```
                  EO

                  EN73

                  EN72ev

DN   EN62  EN72du EN72eu EN72fu  EN82   FN

                  EN72et

                  EN71

                  EM
```

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

---

From 1454682949837088642
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5bf6f9fe17ee2c90,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-05 10:30:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: panel vs chassis mount connectors
Message-ID: <23912@usc.edu>
Date: 5 Apr 90 11:54:04 GMT
References: <116@gizzmo.UUCP>
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 13
Posted: Thu Apr 5 12:54:04 1990

In article <116@gizzmo.UUCP> mark@gizzmo.UUCP (mark hilliard) writes:
>Several weeks ago, my early model Kenwood TS-440's antenna connector
>spun. It was the type with a large nut holding it on rather than a
>flange.

This is my biggest complaint against Kenwood. They use the cheap chassis mount connectors. For just a few pennies more, they could put a panel mount connector that would never wear out or need replacing. The panel mount connectors have a square flange, and four mounting holes. I have had to replace every connector on my Kenwood gear. Why must they all produce chinsey gear? Whatever happened to quality?

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From -4134039233639476752
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0aa4ae55b761e50,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,c0aa4ae55b761e50,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-04-05 10:52:27 PST
Path: gmdzi!unido!mcsun!uunet!deimos.cis.ksu.edu!ux1.cso.uiuc.edu!iuvax!bsu-cs!koffi
From: koffi@bsu-cs.bsu.edu (There will be enough room in HEAVENS)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: DIGITAL RADIO
Keywords: What is digital radio and what is its future?
Message-ID: <11036@bsu-cs.bsu.edu>
Date: 5 Apr 90 02:06:52 GMT
Organization: CS Dept, Ball St U, Muncie, IN, USA
Lines: 19
Xref: gmdzi rec.radio.shortwave:878 rec.ham-radio:10672
Posted: Thu Apr 5 03:06:52 1990

Hello there,

Could someone tell me a little bit about DIGITAL RADIO and its furure
worldwide? How is it going to surpass FM and AM?

How is the FCC will be allocating the frequencies and what are the major
public policies involved in the USA?

Some references would also be helpfull.

Thanks!!!!

~~~~~~
Koffi Magloire

Ball State U.

"The only Basketball team that almost choked UNLV in the NCAA"

From -7244416567537253766
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f570058bfbe30d94,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-05 13:19:38 PST
Path: gmdzi!unido!mcsun!uunet!fernwood!apple!mips!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!UWPLATT.EDU!UCSBPM
From: UCSBPM@UWPLATT.EDU ("Brian P. McCarty ", N9IWP)
Newsgroups: rec.ham-radio
~~~~~~

Subject: Where am I?
Message-ID: <B48374BECDFFA01CC6@uwplatt.edu>
Date: 5 Apr 90 03:39:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Thu Apr 5 04:39:00 1990

I am making QSL cards and am trying to find out what grid square
my home QTH is in. The city (village) is Sister Bay, WI
Looking on a 15' topographic map, I estimated :
40 deg, 11.5' N, 87 deg, 7' W
But looking at the National Atlas of the US (published by the gov't) says
45 deg, 11.3' N, 87 deg 7.3' W
I dunno if this is city (village) hall or not, but
a) Sister Bay isn't all that big
b) I live pretty close to village hall
I know there was an article in the (aug 89?) issue of QST, but all the 89
issues are missing at the library. I would like to know how to find out my
grid square and/or what it is. I really want my SIO (oops)
SIX digit grid square (yes, 6, and yes, I am wierd)

Since I doubt this information is of interest to anyone else, I think
e-mail would be appropriate. Thanks.

Brian P. McCarty, N9IWP
bitnet:UCSBPM@UWPLATT
internet:UCSBPM@UWPLATT.EDU

From 349311691657510266
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,33d5ca16211b0a26
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-26 12:08:34 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!IDA.ORG!roskos
From: roskos@IDA.ORG (Eric Roskos)
Newsgroups: rec.ham-radio
Subject: Re: Effect of Sun/Heat on Reception
Message-ID: <1990Mar26.200834.15821@IDA.ORG>
Date: 26 Mar 90 20:08:34 GMT
References: <1273@nsscb.UUCP>
Organization: IDA, Alexandria, VA
Lines: 18
Posted: Mon Mar 26 21:08:34 1990

nrg@nsscb.UUCP (G.Narotham Reddy) writes:

>I would like to know if Spring and Summer has any effect on reception.

I've found that in my experience, at least, it does -- in particular my
winter reception of stations around 8-10 MHz is much better than in the
summer. All winter I have been able to receive several US WEFAX

stations very well which are now beginning to deteriorate in quality; if last summer was typical, it will stay that way all summer. I am guessing this has to do with the amount of time the upper atmosphere is exposed to solar radiation during the day, and/or the incident angle of the radiation being greater in the summer. But I don't know for sure.

--
Eric Roskos (roskos@IDA.ORG or Roskos@DOCKMASTER.NCSC.MIL)

"if you want more information, please specify how much more information you want." --From a recent posting on the Kerberos mailing list

From 8742694982272388976
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7c52de6f6c80876,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-26 13:19:34 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!decwrl!crltrx!decvax!flhtp!gdelong
From: gdelong@flhtp.uucp (Gary Delong)
Newsgroups: rec.ham-radio
Subject: Mods for IC02AT?
Message-ID: <233@flhtp.uucp>
Date: 26 Mar 90 21:19:34 GMT
Organization: GADCO, Derry, NH
Lines: 11
Posted: Mon Mar 26 22:19:34 1990

Can someone e-mail or post the mods for the IC02AT? I can't seem to get the MODS database to respond.

Thanks and 73,
Gary

---

```
  ___________
 /   |   |   \   Gary Delong, N1BIP
 | --|---|   |   flhtp!gdelong@decvax.dec.com   decvax!flhtp!gdelong
 \___|   |___/   GADCO, Inc.
```

From 2027920760959924463
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,52b301029eb49ec3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,52b301029eb49ec3
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,52b301029eb49ec3
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-03-26 13:26:11 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!IDA.ORG!roskos
From: roskos@IDA.ORG (Eric Roskos)

Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.radio.shortwave
Subject: Re: Weather Fax. HELP!!!!!
Message-ID: <1990Mar26.212611.16088@IDA.ORG>
Date: 26 Mar 90 21:26:11 GMT
References: <710@smcnet.UUCP>
Organization: IDA, Alexandria, VA
Lines: 94
Xref: gmdzi rec.ham-radio:10438 rec.ham-radio.packet:1948 rec.radio.shortwave:761
Posted: Mon Mar 26 22:26:11 1990
Followups-To: rec.radio.shortwave

lawrence@smcnet.UUCP (Lawrence Roney) writes:

>Our Earth Science Department purchased a Kenwood R-2000 HF receiver and an AldenElectronics
>9321 Weather Chart Recorder for reception of radio fax weather
>pictures.

Well, you have purchased a very wonderful piece of equipment. Clean all the mess off of it (I'm assuming you bought one of the FAA surplus models?), buy the maintenance manual for it, and look carefully at how it is constructed. This is how electronic things are built when maximizing profit through minimizing the production costs is not the primary goal. I think you could mount it on a truck and drive around with it running and it would still record. Well, probably not really, the loop electrode assembly would bounce around. It is really easy to maintain, too, and its principles of operation are both easy to understand, and somewhat amazing -- it's the first place I ever encountered a "sample and hold" circuit... since it is built in discrete components rather than on an IC, you can see how it works. It's fairly amazing the way it captures the voltage at the peaks of the AM carrier cycles on a small capacitor between two MOS FETs. The only problem is moving it... when I moved to a new location awhile back, the mover threatened to quit when they saw the equipment because they didn't want to carry it down the stairs, it's so heavy.

If you're buying the replacement parts (you have to replace the loop and blade electrodes regularly, plus other parts that occasionally wear out, and also buy the wet electrolytic paper for it) from someone other than Alden, write to the address that's on the chassis and ask for pricing information. You might ask for the original advertising information on the recorder, too... it's interesting how expensive the optional parts are, new. I'm not sure how much the recorders sell for, new, but Alden still sells them.

>Nonetheless we have never seen anything printed in the fax machine except
>black lines.

Yes, it only has an AM demodulator in there unless you have a special model. I posted detailed design information for an FM demodulator *specifically* for the Alden 9231 about a year ago, which you need to demodulate the FM subcarrier that is transmitted on HF. You can receive pictures from the polar satellites, and from the GOES Tap if your have that, directly with the 9231, though, since that's what its demodulator is for. One problem is that the 9231 emits RF interference fairly strongly on 137.4 and 137.62 MHz, as well as random noise from the switching of the marking amp on and off. I wish it didn't since those are prime polar satellite frequencies, but I guess it passes the FCC emissions regulations, and it was actually made for use with leased wire services. I've never been able to figure out what causes the interference, but it comes from the master oscillator board, which runs at a much lower frequency. If you figure out how to reduce the RFI I'd be interested. One problem I found is that the signal input line goes directly past the power supply line to the marking amp (it's wrapped inside the same bundle of wires), which inductively picks up noise from the marking amplifier transistor turning on and off.

>   -- Is there a better way to receive weather pictures with different gear? Is there a TNC and PC setup that might work better than the paper based fax unit?

Yes. The best I've found is the A&A Engineering demodulator using a PC with a VGA, about $120 or so. There are commercial programs such as the Elmer Schwittek MultiFax software package you can use to display output from the A&A demodulator on the PC. These give photographic quality images, compared to the good but limited-contrast and limited-resolution images of the 9231. The 9231 is best for recording weather maps rather than satellite pictures.

>   -- What should the receiver bet set on? (AM, USB, LSB, CW)

For HF stations, set it on USB or LSB -- if you set it to the wrong sideband you will get a negative image and will know you need to use the other (also the recorder won't sync properly if you're using the wrong sideband).

For direct reception from the polar satellites, use FM, but you need a WEFAX receiver for that. Despite what people say, other kinds of receivers won't work very well... I've tried it. You get a picture but with a lot of noise and poor grey scale. The WEFAX receivers are relatively inexpensive compared to general-coverage receivers and scanners.

>   -- Is a long wire good enough or do we need a beam or something?

Yes, a long wire is fine for HF. For VHF from the satellite, you need a circularly-polarized antenna such as the WEFAXTENNA from Vanguard.

>Any assistance or help would be greatly appreciated. Earth Science won't let me walk down their hall until I get this thing working.

I hope the above will be of some help.

--
Eric Roskos (roskos@IDA.ORG or Roskos@DOCKMASTER.NCSC.MIL)

"if you want more information, please specify how much more information you want." --From a recent posting on the Kerberos mailing list

From -2683995269619482419
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,23b52a089590896,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-26 13:41:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!OAC.UCLA.EDU!CSMSCST
From: CSMSCST@OAC.UCLA.EDU (Chris Thomas)
Newsgroups: rec.ham-radio
Subject: The Belize Bum (V31BB)
Message-ID: <9003270810.AA13572@ucbvax.Berkeley.EDU>
Date: 26 Mar 90 21:41:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 34
Posted: Mon Mar 26 22:41:00 1990

Noted in the latest W6GO QSL list:
  V31BB - V31BB says he DOES NOT QSL; save your money

Heard during the WPX 'test last weekend:
  V31BB - "Don't send me your stupid card. I don't want your
            card. I don't want your stupid IRC's. I don't
            want your money."

(However, he has never been known to return either IRCs or money.)

I can understand a DX station that is tired of the bother and cost of QSLing, and just wants to work contests, or QSO. But I have trouble figuring out why a station who has a stated NO QSL policy frequently runs DXpedition-style ops and builds pileups (You're 59. Next.) Why does he think those stations want to work him...

Also heard from BB during the 'test: A very new ham with a novice call called him, and instead of of just giving him a quick 59 #nnn, added "You'er my first DX contact. I'm only running a dipole and am thrilled you heard me." BB proceded to rake him over the coals for at least three minutes, for wasting him (BB's) time with meaningless information, etc. etc.

IMHO, this guy gets the Jerk of the Year award. His problem is he is on a power trip. He gets his kicks from hearing people scremaing for him in pileups and begging for QSLs. Please don't add to his ego - next time you heard him on, work someone else.

Also heard: Some DX club has built a rent-a-QTH in Belize, so it should become real common. Wait and get your QSL from a real ham.

From 5319010252164553742
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f35daeb8b9c04cf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-26 13:43:02 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!atha!aurora!lyndon
From: lyndon@cs.AthabascaU.CA (& Nerenberg)
Newsgroups: rec.ham-radio
Subject: Re: Wild accusations against MFJ?
Message-ID: <LYNDON.90Mar26144302@aurora.AthabascaU.CA>
Date: 26 Mar 90 21:43:02 GMT
References: <118@gizzmo.UUCP> <13759@cbnewse.ATT.COM>
Sender: lyndon@cs.AthabascaU.CA
Organization: Athabasca University
Lines: 15
Posted: Mon Mar 26 22:43:02 1990

In article <13759@cbnewse.ATT.COM> parnass@cbnewse.ATT.COM (Bob Parnass, AJ9S) writes:

> IMHO, MFJ low power antenna tuners
> looked kind of raunchy, too.

Having just bought a Versatuner II, I second the motion. The ground terminal tends to come loose without provocation (proving the SWR protection circuitry in my TS-680 works as documented), and the SWR/power meter tends to stick. When I went to adjust the meter I discovered that there is no adjustment screw for it, and even if there was, the damned meter is GLUED to the front panel! Mind you, Patty is right: it will tune anything in sight. (Well, I haven't tried it on the cat yet ...)
--
Lyndon Nerenberg CF6BBM / Computing Services / Athabasca University
{alberta,decwrl}!atha!lyndon || lyndon@cs.AthabascaU.CA || lyndon@aucs.bitnet

---

From -1813644683073665958
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,297c390a5f337cf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-26 14:34:24 PST
Path: gmdzi!unido!mcsun!uunet!ingr!b11!herbster
From: herbster@b11.ingr.com (Joe Herbster)
Newsgroups: rec.ham-radio
Subject: Re: NPRM 90-55 - No test code
Summary: lower the water...
Message-ID: <7722@b11.ingr.com>
Date: 26 Mar 90 22:34:24 GMT
References: <905812737@masnet.uucp> <30500459@ux1.cso.uiuc.edu>
Organization: Intergraph Corp. Huntsville, AL
Lines: 90
Posted: Mon Mar 26 23:34:24 1990

In article <30500459@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
>
> > Just a personal opinion but if children of 7 years of age, and people
> > of 75 years of age can learn International code at 10 wpm (the current
> > Canadian requirement for HF priviledges) then I don't see how anyone
> > can not learn it at 5 wpm! A lot of the trouble is that people just
> > don't want to be told you *have* to do something. Just an opinion.

I learned the code at 6 years old while still PRINTING in block
letters.....the theory was a bit difficult...BTW: I am NOT an
extraordinary youth, just ask my mother....

> The statement about people of 7 and 75 learning code is not complete.
> There is no evidence that this capability is existant in 100% of the
> population at 7, 75, or anywhere in between.

True, some folks have trouble learning to read and write....

> The opinion that people don't want to learn what they are told to learn
> is also not complete. While some may not want to just for that very reason
> alone, many others do not want to IN CONJUNCTION with the fact that they
> know that learning code is not going to help them in what they happen to
> be interested in doing. Some people don't like being told that they have
> to learn something they know they are not going to use and will do them no
> good.

SOME people have a severe lack of discipline....
I want to be an EE, so why should I waste time taking all this
English Lit and History?? Does that mean I have an attitude problem??
If we apply the no-code argument to this analogy, you will see what
I mean by lowering the standards being dangerous.

> Further, because hams have (and certainly at least in the past this has
> been MOST hams) wanted everyone to pass a code test to "get in", the
> "outsiders" who were interested in other things looked upon the hams, and
> the amateur radio service itself, as having an "attitude problem".

*** BLATANT GENERALIZATION ALERT *** Your opinion of what MOST hams
wanted is no more factual than the perceived view of code being the
big "boogie-man" to people getting into ham-radio. I never EVER heard
any ham say anything to the effect of using morse code as a "hazing"
or passing of rights. I have only heard this from 'outsiders' that
feel victimized for some reason. The only reason I ever wanted someone
to pass a code test was because it was required by law and I wished to
see them enjoy the same hobby I have enjoyed. Who in the heck ever
started the "good-ole-boys" or "Ham-fraternity" thing anyway. The
only thing an 'outsider' ever needed to do was ask a Ham how to get
started. It has been that simple for decades, and has been done
a million times.

> Probably everyone has an attitude "problem", but some of us are just not
> making much of an effort to get along with those who have a DIFFERENT
> attitude problem.

The only attitude I have a problem with is the one that thinks code
is "The big barrier" to ham-radio that "discriminates" against us.

> > BTW, I am not an objector to a no-code intro level licence, there is a
> > VHF only n0-code going into effect here next September and I think it

> > will be a benefit to the hobby but I can see all sorts of problems with
> > a no-code HF licence.

Amen.

> > 73, Dean VE1CBF   es 73s es 88s OM

> From my understanding, the Canadian restructuring does not involve any
> no-code HF license class. Unless and until such a thing is proposed,
> you should not have too much to worry about. In fact, something very
> close to the Canadian system is being discussed by some as a possible
> structure for the United States (it even has the correct number of
> classes for the FCC computer system).

It'll fit on the computer.....what a justification for a license
system with today's technology :-|

> --Phil Howard, KA9WGN--
> <phil@ux1.cso.uiuc.edu>

In spite of my better judgement I have gotten caught up in this long
winded issue. On this note I will drop into the QRM and shut up.
I have no particular reason to oppose the no-code class, but this
bad feeling keeps nagging me. It is not that I want to keep all the
spectrum to myself and lock out the "fraternity", but wish to preserve
what is good and courteous (whats left) about my hobby. Ham radio has
been in my family since 1934 so alot of my "attitude" comes from the
way I was brought up and the old-fashioned ways of radio my grandfather
taught me. Old habits are hard to break, and old values are hard to
give up. It is time
to drop this whole thing cuz TIME will eventually prove one side right
or wrong. Unfortunately, if it was wrong, it will be impossible to
undo. Perhaps this is why the whole thing makes me nervous.

PRAYING THAT MY DOUBTS ARE UNFOUNDED...... es gratious big welcomes
to the new guys when they get here. The only thing to do now is be
a good example for the new ranks and enjoy the new contacts.

de km4jn :-) love them sun spots....

_._. .__   .._. ___ ._. . ..._ . ._.

From -451372256149899732
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0e4807814a80c9c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-26 14:37:40 PST
Path: gmdzi!unido!mcsun!uunet!ingr!b11!herbster
From: herbster@b11.ingr.com (Joe Herbster)
Newsgroups: rec.ham-radio
Subject: Legalities...
Keywords: Remote patch
Message-ID: <7723@b11.ingr.com>
Date: 26 Mar 90 22:37:40 GMT
Organization: Intergraph Corp. Huntsville, AL

Lines: 8
Posted: Mon Mar 26 23:37:40 1990

Just an ethical question. I live in a very rural area and wish to put a phone patch at my QTH. I was planning to do it cross-band by using the TS-680S in the car to go to the house on 6m FM, and back out on 2m. With the "links above 220MHz" rule, how is this classified and is it legal?? Do want to be legal now you know.

tnx es 73 de km4jn

From 3558193330885433953
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2cc7d0d6a07cf474,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-26 15:03:59 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!ncar!mephisto!udel!rochester!kodak!brandy!mark
From: mark@brandy.UUCP (mark hilliard)
Newsgroups: rec.ham-radio
Subject: Control program for TS440
Message-ID: <185@brandy.UUCP>
Date: 26 Mar 90 23:03:59 GMT
Reply-To: mark@brandy.UUCP (mark hilliard)
Organization: Eastman Kodak Co, Rochester, NY
Lines: 10
Posted: Tue Mar 27 00:03:59 1990

Does any one out there have a UNIX based control program for the Kenwood TS440? I am running 386ix and would rather run a control program from UNIX rather than from VPIX.

Thanks
Mark Hilliard
N2HHR
rutgers!rochester!kodak!gizzmo!mark

From 1069853304626266966
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2da44315ec19c738,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-26 15:14:05 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com (DUBE TODD)
Newsgroups: rec.ham-radio
Subject: CW and the handicapped
Message-ID: <9003262314.AA27842@ti.com>
Date: 26 Mar 90 23:14:05 GMT

Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19
Posted: Tue Mar 27 00:14:05 1990

Here's one for the VE's: I have become acquainted with a physically handicapped individual who fairly recently obtained a Tech license (N5PSX). His handicap is so severe that he is confined to a wheelchair, can't speak plainly, and his hands are so knarled that he can't hold a pencil (or even "unbend" his wrists). He uses a computer to send various phrases, but can, by a slow and laborious process, punch in characters key-by-key- or on regular "brass". He can copy 5 to 6 WPM by the "hunt-and-peck" method on a keyboard.

Problem is, he is technically and operationally capable of passing the General and could pass the CW portion if he could copy down the characters fast enough. "Head copy" is ruled out because few people can copy and remember a five-minute conversation in their heads. I would like to know if anyone has had any similar situation and if there is a provision whereby the 13WPM cam be waived due to such a physical handicap. Please post your responses so others who may have had (or may encounter) this situation will know how to proceed. Flame me directly if you must, not via the bb.

Thanks in advance,
Dube Todd, N5PDK

From 5083279951523874505
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a636f84b5155139b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-26 15:37:05 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!hplabs!hpfcso!hpfelg!fisher
From: fisher@hpfelg.HP.COM (Doug Fisher)
Newsgroups: rec.ham-radio
Subject: Yeasu FT-212 MODS
Message-ID: <1820002@hpfelg.HP.COM>
Date: 26 Mar 90 23:37:05 GMT
Organization: HP Elec. Design Div. -FtCollins
Lines: 2
Posted: Tue Mar 27 00:37:05 1990

Does anyone know the out-of-band mods for the
Yeasu FT-212?

From 1108265712583227278
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ad6eb992739eae2d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-26 16:34:13 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!lavaca.uh.edu!uhnix1!splut!jay

From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: CODE vs NO-CODE
Message-ID: <Q13++8B@splut.conmicro.com>
Date: 27 Mar 90 00:34:13 GMT
References: <a1ckg1w161w@w8grt.nstar.com>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 32
Posted: Tue Mar 27 01:34:13 1990

In article <a1ckg1w161w@w8grt.nstar.com> jgrubs@w8grt.nstar.com (Jim Grubs) writes:

>Let's drop the argument. Code can be useful. Code can be fun for those who
>like it. Big deal! That does not by itself make it necessary to require
>testing on code proficiency on VHF only licenses. Noone is going to change
>anyone else's mind on those points.
>
>But NPRM 90-55 is up for consideration and comment. It seems almost 100%
>certain to be approved. Let us therefore limit our arguing to the more
>constructive issues of how best to implement no-code. Pax?

Yes, we certainly appear to have no-code rammed down our collective throats. That does not mean that we should give up the fight, though. I intend to fight it with every byte of my hard disks and every pin in my printhead.

Yes, I agree that nobody is going to change anyone else's mind among the hard-core - which includes 95% of everyone who's posted a message on the group. The FCC's mind may be made up as well, just as it was on the 220 rape. If nothing else, though, I hope they'll get enough comments to know they've been in a fight.

To the guy who suggested a rec.ham-radio.debate group: it was suggested before, and that generated the HAMLICEN mailing list. It was taken over almost completely by the anti-code types, and while I continue to read it, I won't contribute to it - I can't afford to replaced a modem that's been flamed to a crisp.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
attctc, RIP. It was nice knowing ya +---------------------------------------
      "I've never killed someone at the supper table, Mister LaForge."
```

From -238668160134739947
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-26 17:02:10 PST
Path: gmdzi!unido!mcsun!uunet!wshb!mikebat!michaelb
From: michaelb@mikebat.UUCP (Michael R. Batchelor)

```
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Summary: Yes I'm interested. But you didn't answer my question.
Message-ID: <317@mikebat.UUCP>
Date: 27 Mar 90 01:02:10 GMT
References: <9003051529.AA05504@pelham.med.unc.edu> <7880136@hpfcdc.HP.COM>
<23696@usc.edu>
Organization: M. Batchelor's PC7300, Beaufort, SC
Lines: 50
Posted: Tue Mar 27 02:02:10 1990

In article <23696@usc.edu>, kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
> In article <315@mikebat.UUCP> I wrote:
> >At the risk of adding to the noise and being a stick in the mud myself,
> >will someone PLEASE explain the *USEFULNESS* of the CW requirement to me.
                                                          ^^^^^^^^^^^
1> Aurora can only be effectively utilized if CW is used.
 >
2> During contests, I can do a CW contact in about 1/2 the time a voice
 > contact takes, and I never have to ask for a repeat.
 >
3> Once, about 10 years ago, I copied a distress call from someone who went
 > down in an airplane, near Mansfield, OH.  Since the signal was CW in a
 > phone band, it stood out like a sore thumb and attracted my attention
 > very quickly.  I was able to help out these people by calling the local
 > FAA and giving them the details.  A signal in any other mode would not
 > have attracted my attention (or anybody else's) like it did.  (Note: it
 > was a very weak signal, and I doubt that it would have been copyable if
 > it wasn't CW.
 >
 > The CW mode is very useful.
       ^^^^^^^^^^^^^^^^^^^^^^^  aaaaaarrrrrrrrrrrggggggggg!!!!!!!!
Ken has indeed given three instances where cw is very useful. I didn't
ask for instances where cw is useful. I ask for an explanation of the
usefulness of the cw *REQUIREMENT*. I will counter with the argument that
packet radio allows much more rapid dissemination of bulletins, therefore
every ham should be required to understand how to decode AX.25 headers.
RTTY contacts can be collected for a special endorsement on a WAS certificate,
therefore every ham should be required to regurgitate the BAUDOT code.
I could go on.

 >                       ....   I could go on, but I don't think you want
 > me to.

Yes I do want you to go on. I am very open to being convinced that all
of the sweating I did to pass that stupid code test was useful. No one
has convinced me yet.

I will never argue that code isn't useful. I would never try to get rid
of code from the bands. I am saying that the code requirement keeps
qualified people OUT of ham radio without keeping LIDS out. If ham radio
was growing and staying on the leading edge of technology I probably
wouldn't be nearly so venomous. As it is, the code requirement for
```

a reasonable vhf and up license is no wiser than handling radium just because Ms. Curie did the same.

Michael "But my call sign IS in my .sig"
--
Michael Batchelor / \113\101\067\132\116\132   uunet!wshb!mikebat!michaelb
      Comment overheard at WARC 1992 -
            "Let's just stick them on 200 millimeters and below."

```
From -5046189513552422175
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e0aa1c4f9f61046d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-26 17:32:28 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!uwm.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW Speed
Message-ID: <30500473@ux1.cso.uiuc.edu>
Date: 27 Mar 90 01:32:28 GMT
Lines: 24
Nf-ID: #R:<9003250020.AA12799@tecnet1.jcte:-41:ux1.cso.uiuc.edu:30500473:000:878
Nf-From: ux1.cso.uiuc.edu!phil    Mar 26 14:44:00 1990
Posted: Tue Mar 27 02:32:28 1990
```

> In article <30500464@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
> >I know I can learn CW, and actually I plan to after, and ONLY AFTER,
> >the no code issue is overwith. I will remain a Tech until then.
>
> "No, Mommy, I don't like broccoli! You can't make me eat it!"
>
> The choice here is much like the one the 5-year-old faces: eat it or go
> hungry.

I didn't like broccoli when I was 5 years old. I didn't even like it when I was 15, but I DID NOT STARVE OR GO HUNGRY. Now I like broccoli.

It is human nature to not like something someone pushes you into. But once you get to just see it for what it is, you might very well find you do like it.

What code is NOT is the ideal communications emission.
What code *IS* is a lot of fun for a lot of people who CHOOSE to use it.

Let there be CHOICE and not force.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From -7490448390906864493
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1f85af27126351d6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-26 17:32:47 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Implicatons of 90-55 - ATV
Message-ID: <30500474@ux1.cso.uiuc.edu>
Date: 27 Mar 90 01:32:47 GMT
References: <582@ssc.UUCP>
Lines: 18
Nf-ID: #R:ssc.UUCP:582:ux1.cso.uiuc.edu:30500474:000:519
Nf-From: ux1.cso.uiuc.edu!phil   Mar 26 14:50:00 1990
Posted: Tue Mar 27 02:32:47 1990

> More grist for the 90-55 comment mill.

If you would like to discuss details of 90-55 and alternative ideas, you might want to join in the HAMLICEN mailing list. To subscribe to it, send the string:

        "SUB HAMLICEN <firstname> <lastname> <callsign>"

substituting what is inside <> and sent it to this address:

        listserv@vmd.cso.uiuc.edu

(UUCP users might need to use: uiucuxc!vmd!listserv
)
(BITNET users might need to use: LISTSERV at UIUCVMD)

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From -5636737802118495639
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4919c7bce751aeeb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-26 17:57:02 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!lll-winken!elroy.jpl.nasa.gov!usc!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!ames!pacbell!acsdev!phr
From: phr@acsdev.com (Paul Rubin)
Newsgroups: rec.ham-radio
Subject: Azden 2m HT manual needed
Message-ID: <PHR.90Mar27015702@acsdev.com>
Date: 27 Mar 90 01:57:02 GMT
Sender: phr@acsdev.UUCP

Lines: 9
Posted: Tue Mar 27 02:57:02 1990

I bought an Azden 2m HT (no model number but I believe they only made one model) at a hamfest and haven't yet figured out what all the buttons do. The person I bought it from told me he was going to snail-mail me an instruction book but evidently forgot about it (and I've forgotten his name). Does anyone have one they can xerox and send me? I will happily pay for postage, copying, and nuisance. Send e-mail and we can make arrangements. Thanks!

Paul Rubin WA2QYN/6

From 4644041734762085966
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75409eb9fcc0e51f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-26 18:28:06 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!UNB.CA!LANG
From: LANG@UNB.CA
Newsgroups: rec.ham-radio
Subject: Re: Global Positioning System status report on WWV/WWVH
Message-ID: <ID8076.D900326.T222807.LANG@UNB.CA>
Date: 27 Mar 90 02:28:06 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25
Posted: Tue Mar 27 03:28:06 1990

>Yesterday WWV (and presumably) WWVH began broadcasting reports on the
>status of the Global Positioning System. The WWV broadcast is at
>14 minutes past the hour and is repeated during the following minute.
>The Omega navigation system status report continues to be broadcast at
>16 minutes past the hour. Although I have not heard it yet, I
>imagine that the GPS report on WWVH is given at 45 and 46 minutes past
>the hour just before the Omega report at 47 minutes past. Can someone
>confirm this?

To answer my own question:
I managed to catch WWVH one morning and can report that they carry the GPS message at 43 minutes past the hour with a repeat at 44 minutes past. This is followed at 45 minutes past with the solar activity / geomagnetic field report, at 47 minutes past with the Omega navigation system status report, and at 48 minutes through to 51 minutes past with Pacific Ocean weather.

===
Richard B. Langley   BITnet: LANG@UNB.CA or SE@UNB.CA
Geodetic Research Laboratory   Phone: (506) 453-5142
Dept. of Surveying Engineering   Telex: 014-46202

University of New Brunswick   FAX: (506) 453-4943
Fredericton, N.B., Canada E3B 5A3
==

From -1057434486557465174
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ebe14d4fbffd789b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-26 19:15:48 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!gvgpsa!johnk
From: johnk@gvgpsa.GVG.TEK.COM (John Kirby)
Newsgroups: rec.ham-radio
Subject: Slow scan TV via the new Visitel Telephone devices
Keywords: slowscan, TV, television, ham, packet, amateur
Message-ID: <1423@gvgpsa.GVG.TEK.COM>
Date: 27 Mar 90 03:15:48 GMT
Organization: Grass Valley Group, Inc., Grass Valley, CA
Lines: 34
Posted: Tue Mar 27 04:15:48 1990

I bought a Visitel picture telephone a couple of months ago to stay in visual contact with relatives. The thought occurred to me that it could also be the "poor man's" method of slow scan TV on ham.

Questions:

*   has anyone tried it?
*   any complications?
*   is it compatible with any mode of existing "regular" slow scan TV/ham equipment?

For those not familiar, Mitsubishi, Sony and Panasonic are now selling video phones which are equipped with a small camera and b/w monitor that just plug into a modular jack and allow you to send stills down a regular phone line. You look into the camera, see yourself on the monitor, push a "freeze" button when you like what you see, and then transmit the still shot down the phone line to another compatible phone by pressing a "send" button.

It transmits audio tones. Transmission time is about 5 seconds.
You can't talk while the picture is being transmitted.

Fortunately, all three vendors have compatible transmission formats.

I've been trying to find someone else with a Visitel on the air on the 10 meter slow-scan net which meets Sundays from about 11AM-6PM Pacific time on 28.680. Attempts to send a Visitel picture to other hams with "regular" slow scan systems have failed; the equipment used by those particular hams wasn't compatible, unfortunately.

Any comments? If you're interested, see you (hopefully "see" literally) on 28.680 one of these Sunday afternoons.....

John Kirby

```
From -4421013591530796265
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-26 20:03:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!
cs.utexas.edu!mailrus!ames!sun-barr!newstop!texsun!texbell!bellcore!
ka9q.bellcore.com!karn
From: karn@ka9q.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Message-ID: <21333@bellcore.bellcore.com>
Date: 27 Mar 90 04:03:17 GMT
References: <30500464@ux1.cso.uiuc.edu> <MF3+7=A@splut.conmicro.com>
Sender: news@bellcore.bellcore.com
Reply-To: karn@ka9q.bellcore.com (Phil Karn)
Organization: Secular Humanists for No-Code
Lines: 12
Posted: Tue Mar 27 05:03:17 1990
```

In article <MF3+7=A@splut.conmicro.com> jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard) whines:

> "No, Mommy, I don't like broccoli! You can't make me eat it!"
>
> The choice here is much like the one the 5-year-old faces: eat it or go
> hungry.

Or you can build a political base, get elected president, and then ban it from the White House.

You had better hope I don't get any political ambitions... :-) :-)

Phil

```
From -2537379561670757701
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,48732bee77f43f80,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 04:02:14 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!
PICA.ARMY.MIL!batchler
From: batchler@PICA.ARMY.MIL ("Laing T. Batchler", FSAC)
Newsgroups: rec.ham-radio
Subject: mc-60a mic.
Message-ID: <9003270702.aa19807@FSAC1.PICA.ARMY.MIL>
Date: 27 Mar 90 12:02:14 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
```

Lines: 11
Posted: Tue Mar 27 13:02:14 1990

Dennis sri to post this on net, but didnt write down ur adr.
 So do not through out that mc 60a its ok.
 Idid the same thing (embarrassed my-self at the dealer), so try this.
Hook the coiled cord to rig and the base of stand.
Hook the short cord (this was the clew as to what was wrong) from base of stand to mic.
to the mic.
This thould do it the up/dwn buttons control the mem. select on my ts440s
dont know what thell do on ts530s 73 good luck
Laing Batchler
KB3TS
The Beat-Goes-On

From -4013629410958897778
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 04:09:52 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!texbell!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Message-ID: <MF3+7=A@splut.conmicro.com>
Date: 26 Mar 90 12:31:11 GMT
References: <30500464@ux1.cso.uiuc.edu>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 14
Posted: Mon Mar 26 13:31:11 1990

In article <30500464@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>I know I can learn CW, and actually I plan to after, and ONLY AFTER,
>the no code issue is overwith. I will remain a Tech until then.

"No, Mommy, I don't like broccoli! You can't make me eat it!"

The choice here is much like the one the 5-year-old faces: eat it or go hungry.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
attctc, RIP. It was nice knowing ya +---------------------------------------
      "I've never killed someone at the supper table, Mister LaForge."
```

From -2938552013419708695
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ad6eb992739eae2d

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 04:19:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: CODE vs NO-CODE
Message-ID: <30500475@ux1.cso.uiuc.edu>
Date: 27 Mar 90 12:19:41 GMT
References: <a1ckg1w161w@w8grt.nstar.com>
Lines: 12
Nf-ID: #R:<a1ckg1w161w@w8grt.nstar.com>:-29:ux1.cso.uiuc.edu:30500475:000:439
Nf-From: ux1.cso.uiuc.edu!phil   Mar 26 20:15:00 1990
Posted: Tue Mar 27 13:19:41 1990

> > I have already come up with NINE alternatives to the 90-55 proposal, and
> > plan to include them all in my comments. I also suspect that 90-55 will
> > exceed even 87-14 in the total volume of comment filings.
>
> I plan to propose adoption of the Canadian Plan as is except for
> modification of the homebrewing restrictions.

That's one of the nine and in fact its the first one.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From 2608446141063046264
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,16e19ef7295a8261,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 04:19:45 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Code Saves the Day
Message-ID: <30500477@ux1.cso.uiuc.edu>
Date: 27 Mar 90 12:19:45 GMT
References: <361@nyx.UUCP>
Lines: 29
Nf-ID: #R:nyx.UUCP:361:ux1.cso.uiuc.edu:30500477:000:1249
Nf-From: ux1.cso.uiuc.edu!phil   Mar 26 20:26:00 1990
Posted: Tue Mar 27 13:19:45 1990

> In fact, they were able to compress about 10 sentences of messages into
> only 2 seconds of blinking lights between their periscopes. Amazing but
> true! The speed of the camera couldn't even catch this rate of Code
> because it looked on the screen like only two Code characters.

The magic of editing. The rest of the message is on the cutting room floor.

> Wow! What better reason to learn the Code? In fact, maybe we could even
> save the world even better if every submarine in the world had to be
> equipped with a ham.

In case you hadn't noticed, the time setting for HfRO was "just after Gorby took power". Things have changed since then. Besides, ANYTHING is possible in fiction. Ask Tom Clancey if HE can copy code.

> After seeing the movie, I wondered if there is some standard international
> type of "Q" signals that all submarine forces know...so they can
> communicate across language barriers just like in the movies. Anyone
> know?

I'm sure there are. And aside from the editing, I'm sure they used them.

Now that we have settled on shifting the code test over from ham radio to submarine officer qualifications, maybe we can go on to more interesting postings.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

```
From -5697222293025400632
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bfb7e5535fec709f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 04:20:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: ICOM BP-7 Modifications
Message-ID: <30500476@ux1.cso.uiuc.edu>
Date: 27 Mar 90 12:20:46 GMT
References: <1049@manta.NOSC.MIL>
Lines: 14
Nf-ID: #R:manta.NOSC.MIL:1049:ux1.cso.uiuc.edu:30500476:000:664
Nf-From: ux1.cso.uiuc.edu!phil    Mar 26 20:21:00 1990
Posted: Tue Mar 27 13:20:46 1990
```

> I'm upgrading a ICOM BP-7 battery pack using 600mAh cells. What components,
> if any, on the pc board should be changed to increase charging current from
> 40-45mA to approximately 60 mA?

An alternative is to increase the charging time. Sorry I can't make any specific part suggestions since I don't the details on the pack. I assume you will only be slow charging it. Given a 33% increase in capacity, at least a 33% charge time increase is called for (now 20 hours instead of 15) but how often to do you actually commit to charging the pack from dead in 15 hours and need it in less than, say, 24 hours?

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From -7465833037079954829
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15fab99b94f7d7f4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 04:48:35 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!cica!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: Litz wire
Message-ID: <39676@iuvax.cs.indiana.edu>
Date: 26 Mar 90 14:34:02 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 16
Posted: Mon Mar 26 15:34:02 1990

>>charlie@oakhill.UUCP (Charlie Thompson) comments:
>>
>>Litz.....hmm Lizt...didn't he write Hungarian Rhapsody??? ;-)

>   Nah, that was what we call a Liszt Operation.
> (exits left to escape rotten fruit and veg)
> --
>Derek Wills (AA5BT, G3NMX)

For real, Litz (as in wire) is short for _Litzendraht_. I don't speak
German or whatever language that is, so don't know if it's a proper
name or has other meaning.

--

Frank   W9MKV   reid@ucs.indiana.edu

From -5708710165138875648
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,68ac0700ae2d400b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 05:23:44 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!
UM.CC.UMICH.EDU!Michael_Edelman%Wayne-MTS
From: Michael_Edelman%Wayne-MTS@UM.CC.UMICH.EDU
Newsgroups: rec.ham-radio
Subject: Operating in GB: Questions
Message-ID: <212602@Wayne-MTS>
Date: 27 Mar 90 13:23:44 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet

Lines: 17
Posted: Tue Mar 27 14:23:44 1990

Looks like I'll be spending at least a week- maybe two in Durham, England this July. Hopefully Digitrex will have shipped their QRP box sometime between now and then so that I can get in a little operating in my spare time. Along those lines:

--Can someone advise me of the proper steps to be taken to get a reciprocal operating permit?

--What's the 2-Meter situation in GB, and (hopefully) in the Durham area? Should I take my HT? How about 440?

--Any other hints? Perhaps we even have some Northumbrian hams in this list?

--mike ke8yy
michael_edelman%Wayne-MTS@um.cc.umich.edu
medelma@waynest1.bitnet

From -7610780418274593290
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 05:49:28 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!bloom-beacon!bu.edu!mirror!necntc!necis!rbono
From: rbono@necis.UUCP (Rich Bono)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Summary: Do it the easy way...
Message-ID: <1220@necis.UUCP>
Date: 26 Mar 90 15:15:16 GMT
References: <9003051529.AA05504@pelham.med.unc.edu> <7880136@hpfcdc.HP.COM>
Organization: NEC Technologies, Inc., Boxborough, MA
Lines: 68
Posted: Mon Mar 26 16:15:16 1990

In article <7880136@hpfcdc.HP.COM>, perry@hpfcdc.HP.COM (Perry Scott) writes:
> Re: This OM needs help !
>
[stuff deleted]
> verbatim dot-dash copy and translation. I suggest that the OM write
> it down like this: |...| This takes less horizontal space on the
> paper, so less time is spent on the carraige-return. Also, if the OM
> understands binary trees, that is a good way to memorize Morse Code.
> In this scheme, 0=dit, 1=dah. Make up a balanced btree, assigning
> dits and dahs, then create a silly saying to remember the tree.
>

[More deleted]

Maybe I missed something... But this sounds harder than learning the traditional way (that is, hearing the sound pattern, and then writting down the character for that sound pattern), and is also a useless skill! At least CW is useful!

I teach Nervous (oops... Novice) classes, and occasionally get a few very smart student who tries to beat the system... He usually falls behind the rest once he realizes that his 'method' causes problems, and he can't copy the code. Now he (or she) realizes (sp?) that all the time that was spent studying with this new method could have been spent on learning the code.

What works best for my classes is the following:

Morse (from day one) is sent at a character speed of 18WPM, the spacing is adjusted to provide for 5WPM (Note that the ARRL has now switched to this method for the VE exams, and their practice tapes). I explain that one needs to practice every day, and if one has the time, two to three 10-15 minute sessions will do.

Those who follow this schedule can pass the Novice/Tech 5WPM exam in about 4 weeks... Those who can't devote this much time (some of us have jobs/family, etc) take longer.

If you want to learn CW (Morse code), then spend a little time, you only need to give it a chance.

By the way... the most important point that most people don't realize:

When you are trying to learn Morse code to pass an exam, you MUST write each character as you hear it. Listening to a tape (or radio, computer, etc) while you are doing something else won't hurt... but it DOES NOT SUBSTITUTE for written practice. Many think they can listen to tapes while driving to/from work. They get a surprize when they sit down for a written exam. They must convert each character in their head, and then from their head to the fingers to write the character.

If you can, you want the CW to go into you ears, and directly to your fingers without passing through your brain, this is easier for some than others :-)!

I hope this helps.... It just takes a little practice, and it IS worth it!

(By the way.... I am FOR the no cw test required Amateur Radio operator license class..... We need to INCLUDE people, not exclude them!)

Rich (NM1D)

```
--
 /*************************************************************************\
 * Rich Bono (NM1D)    If I could only 'C' forever!!    rbono@necis.nec.com *
 * (508) 635-6300          NEC Technologies Inc.                NM1D@WB1DSW *
 \***************************************************************************/
```

From 623160699609172142
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fd0ede28d373798
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 06:20:14 PST
Path: gmdzi!unido!mcsun!uunet!samsung!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: IC-2SAT TX/RX mod
Message-ID: <30500469@ux1.cso.uiuc.edu>
Date: 26 Mar 90 19:30:45 GMT
Lines: 19
Nf-ID: #R:<9003242000.AA07879@tecnet1.jcte:-41:ux1.cso.uiuc.edu:30500469:000:782
Nf-From: ux1.cso.uiuc.edu!phil   Mar 26 00:14:00 1990
Posted: Mon Mar 26 20:30:45 1990

> To avoid hate mail .... I have to remind you that it is illegal to transmit
> on the air with this radio out of the Amateur Bands unless a legitimate
> emergency exists. (Type acceptance and all that.)
>
> However if you (like me) plan on using it for a quick and dirty sig-gen
> into a dummy load, then it is the cat's meow!

Or perhaps as a modulated signal source for a Transverter.

Or perhaps in the case of UHF, to cover the 420-440 Mhz part of the band
the Japanese forgot we even have (and they have 430-440 themselves).

Also I understand the IC-2SAT can receive on most of 902-928 Mhz, making
it possibly useful as a cross band transsceiver if someone were inclined
to make a repeater with 2m input and 33cm output.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From 7434806361145222153
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e0aa1c4f9f61046d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 06:20:34 PST
Path: gmdzi!unido!mcsun!uunet!samsung!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW Speed
Message-ID: <30500471@ux1.cso.uiuc.edu>

Date: 26 Mar 90 19:31:10 GMT
Lines: 47
Nf-ID: #R:<9003250020.AA12799@tecnet1.jcte:-41:ux1.cso.uiuc.edu:30500471:000:2224
Nf-From: ux1.cso.uiuc.edu!phil   Mar 26 00:43:00 1990
Posted: Mon Mar 26 20:31:10 1990

> Aurora can only be effectively utilized if CW is used.
>
> During contests, I can do a CW contact in about 1/2 the time a voice contact takes, and I never have to ask for a repeat.

OK, then we will not allow Communicators the privilege of working Aurora or contests. How's that?

I'd far sooner ban contests than ban CW. I am not proposing either, but would like to see contests restricted to a subband.

Really, most of the people who are sitting out of ham radio because of our stinking attitudes don't give a whit about HF and shortwave and working Bouvet Island. But you guys see those desires as not consistent with being a ham and don't want them, nor their "techno-nerd" attitudes that just might save ham radio so the rest of us who do want to work CW and such can continue to do so through the next century or so, on frequencies we legally have allocated.

> Once, about 10 years ago, I copied a distress call from someone who went down in an airplane, near Mansfield, OH. Since the signal was CW in a phone band, it stood out like a sore thumb and attracted my attention very quickly. I was able to help out these people by calling the local FAA and giving them the details. A signal in any other mode would not have attracted my attention (or anybody else's) like it did. (Note: it was a very weak signal, and I doubt that it would have been copyable if it wasn't CW.

So what?

I'd sure like to know why this guy was on a "phone band" (and I guess you mean HF, you probably don't know there is a VHF :-) instead of one of the standard distress frequencies (500 khz, 2182 khz, 3023 khz, 5680 khz, 8364 khz, 121.5 Mhz, 243 Mhz, etc.). Sure if his aeronautical comm gear went out at the time and he HAPPENED to have a ham rig that survived with power, OR better yet, BUILT AN EMEREGENCY RADIO that he could key on and off with wire contacts, then I can see why he'd be there.

1: these things are rare and getting rarer.

2: the number of hams who do know CW are not going to drastically get smaller as a result of the no-code license. Those who want to forget code do so now. Those who want to never learn it also do so now.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From 6194556392179422129
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c1eea56074686d3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 06:33:43 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Phone Frequencies
Message-ID: <30500472@ux1.cso.uiuc.edu>
Date: 26 Mar 90 19:30:32 GMT
References: <260@<8143>
Lines: 43
Nf-ID: #R:<8143:260:ux1.cso.uiuc.edu:30500472:000:2017
Nf-From: ux1.cso.uiuc.edu!phil   Mar 26 00:50:00 1990
Posted: Mon Mar 26 20:30:32 1990

> Can anyone tell me what are some characteristic frequencies that the following
> operate on:
>   1.)Cellular phones
>   2.)Cordless phones
> I have monitored High Seas Ship/Shore, but have nevered monitored other phone
> calls below 30 Mhz.

First cellular phones:

Base stations transmit on frequencies from 870.03 Mhz to 889.98 Mhz in channel steps of 30 khz.

Mobile/portable stations transmit on frequences 45 Mhz lower.

Next cordless phones:

Frequency	Frequency	Source	Description
1.705	49.67		old cordless telephone (ch 1)
1.735	49.845		old cordless telephone (ch 2)
1.765	49.86		old cordless telephone (ch 3)
1.795	49.77		old cordless telephone (ch 4)
1.825	49.875		old cordless telephone (ch 5)
46.61	49.67	fcc rule	Cordless telephone base/portable ch 1
46.63	49.845	fcc rule	Cordless telephone base/portable ch 2
46.67	49.86	fcc rule	Cordless telephone base/portable ch 3
46.71	49.77	fcc rule	Cordless telephone base/portable ch 4
46.73	49.875	fcc rule	Cordless telephone base/portable ch 5
46.77	49.83	fcc rule	Cordless telephone base/portable ch 6
46.83	49.89	fcc rule	Cordless telephone base/portable ch 7
46.87	49.93	fcc rule	Cordless telephone base/portable ch 8

46.93	49.99	fcc rule	Cordless telephone base/portable ch 9
46.97	49.97	fcc rule	Cordless telephone base/portable ch 10
49.83		fcc rule	Low power communication chan 1
49.845		fcc rule	Low power communication chan 2
49.86		fcc rule	Low power communication chan 3
49.875		fcc rule	Low power communication chan 4
49.89		fcc rule	Low power communication chan 5

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From -4233176707928474413
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f35daeb8b9c04cf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 06:41:28 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!tut.cis.ohio-state.edu!rutgers!rochester!rit!cci632!dvh
From: dvh@cci632.UUCP (David Hallidy)
Newsgroups: rec.ham-radio
Subject: Re: Wild accusations against MFJ?
Message-ID: <35459@cci632.UUCP>
Date: 27 Mar 90 14:41:28 GMT
References: <118@gizzmo.UUCP>
Organization: Computer Consoles Inc. An STC Company, Rochester NY
Lines: 33
Posted: Tue Mar 27 15:41:28 1990

The League accepts for advertising, basically any company that it deems legitimate in its offering to the amateur market- that means, the company delivers what it says when it says for the price it says. This doesn't mean that the quality is superior to anything else it might be compared to, only that the representation of the product is accurate, per the advertisement. It appears that V31BB has a gripe with MFJ that either he could not resolve amicably with the folks there, or he didn't live up to his end of the warranty responsibilty, or he's just an ass (I suspect a combination of the above).

I used to work for Texas Towers as Sales/Service Manager, and we sold a lot of MFJ stuff. By and large, the quality was o.k., not Cadillac, but a reasonable buy. I would say the number of complaints about their stuff were no more or no less than any of the other brands we sold, including the Big Three. I will admit, however, that most of the complaints about MFJ stuff were towards the power-handling capabilities of their low-priced tuners. I never recommended the 300 Watt tuners where the Tx output exceeded 100 Watts, for that reason- the switches are a little cheesy. But, saying that, I also have to say that a lot of hams have no idea how to use a tuner- a large percentage of those returning tuners for repair/replacement admitted to adjusting the tuner with full power applied, a practice that is not recommended by ANY of the tuner mfrs.

I have owned many pieces of MFJ equipment and have always been satisfied.

BTW, MFJ has a good warranty policy and generally won't give you any
hassle about repairs or replacement, IF YOU OBEY THE RULES of their
warranty statement.

'Nuff said, I'm off MY soapbox.

Dave KD5RO/2

From 7681874948248446423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3fd67f66d1080620
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 07:07:28 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!usc!
elroy.jpl.nasa.gov!peregrine!ccicpg!cci632!dvh
From: dvh@cci632.UUCP (David Hallidy)
Newsgroups: rec.ham-radio
Subject: Re: Micrwave
Message-ID: <35461@cci632.UUCP>
Date: 27 Mar 90 15:07:28 GMT
References: <15266.260D93E3@stjhmc.fidonet.org>
Organization: Computer Consoles Inc. An STC Company, Rochester NY
Lines: 43
Posted: Tue Mar 27 16:07:28 1990

In article <15266.260D93E3@stjhmc.fidonet.org>,
Brian.Crawford@p12.f15.n114.z1.fidonet.org (Brian Crawford) writes:
>
> Are there any hams on the usergroup currently ACTIVE on 3 & 5 GHz Amateur
> Bands? Is there anyone ACTIVE on the amateur bands in between 10 & 47 GHz?
>
>
>
>
>
> --
> Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!15.12!Brian.Crawford
> Internet: Brian.Crawford@p12.f15.n114.z1.fidonet.org

(Cut to scene of KD5RO/2 wildly waving his arms in the air to get
your attention)

I'm active on ALL BANDS, from 1.8 MHz through 10.5 GHz, including
3456 and 5760. I was a part of the group which completed the first
EME (moonbounce) QSO's on 3 and 5 Gig. I have both WBFM and NB (SSB/CW)
equipment on 10 GHz, running 10 Watts out SSB/CW. There is quite a group
of hams here in the Western New York area coming up on these bands- about
five or six in our local club, others in the Buffalo and Toronto areas.
Down in Pack-Rat Country (Philly) there are probably two dozen guys with

stuff on these bands. Up in New England, there are several. The North Texas Microwave Society is a group devoted to these bands and have quite a group on the air up through 10 GHz. Same in the Denver area with the Front Range Microwave Society.

In large measure, the recent increase in activity on the bands above 1296 can be attributed to the work of guys like KK7B and WA8NLC with their designs of no-tune transverters for these bands, and the marketing skills and guts of W3HQT/1 (Down East Microwave), who sells these (and lots of other microwave oriented) products.

Hope this starts to answer your question- BTW, if you're interested in this stuff and want ideas on getting started, email me.

73   Dave KD5RO/2

Oh yeah, I almost forgot- 24 and 47 GHz are still a while away for me, there will be no one else to talk to locally and equipment is rather scarce (surplus at reasonable prices, anyway).

From 6933927859445945022
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,23b52a089590896
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 08:13:05 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!oliveb!orc!decwrl!
From: reisert@tallis.enet.dec.com (Jim -- LTN1-2/H03 -- DTN 226-6905 27-Mar-1990 1112)
Newsgroups: rec.ham-radio
Subject: Re: The Belize Bum (V31BB)
Message-ID: <9003271613.AA29209@decwrl.dec.com>
Date: 27 Mar 90 16:13:05 GMT
Organization: Digital Equipment Corporation
Lines: 52
Posted: Tue Mar 27 17:13:05 1990

In article <9003270810.AA13572@ucbvax.Berkeley.EDU>,
CSMSCST@OAC.UCLA.EDU (Chris Thomas) writes...

>Heard during the WPX 'test last weekend:
> V31BB - "Don't send me your stupid card. I don't want your
>   card. I don't want your stupid IRC's. I don't
>   want your money."

Heard in the WPX contest last weekend:

V31BB: How's my signal up there?
W#%%%:   You're louder than KP2A.
V31BB: Really? Put a note on your QSL card about this and I'll buy you
a beer at the Stoffeurs [sp?] in Dayton.

>But I have trouble figuring out why a station who has a

>stated NO QSL policy frequently runs DXpedition-style ops
>and builds pileups (You're 59. Next.) Why does he think
>those stations want to work him...

Because he counts as a multiplier in the contest, and that's what we
contesters want. Because sometimes it's a thrill to crack a pileup, no
matter who's on the end of it. Because he's not the only V3 on the air (I
worked V32SW this weekend, if you really need Belize). If you want QSLs,
work JA stations.

>IMHO, this guy gets the Jerk of the Year award. His problem
>is he is on a power trip. He gets his kicks from hearing
>people scremaing for him in pileups and begging for QSLs.
>Please don't add to his ego - next time you heard him on,
>work someone else.

And you add to the fever by writing this stuff. Now everyone wants to work
Jim to see if he's really as bad as all the netters portray him to be.
You're his publicity.

I'm not an advocate of the guy, but I'm not a detractor either. I've never
had any trouble working him in any pileup, and frankly every time I've heard
him he's been quite entertaining. What more could you want? :-)

jim, AD1C

=-=

"The opinions expressed here in no way represent the views of Digital
Equipment Corporation."

James J. Reisert   Internet: reisert@tallis.enet.dec.com
Digital Equipment Corp.   UUCP: ...decwrl!tallis.enet!reisert
295 Foster Street
P.O. Box 1123
Littleton, MA 01460

From 5226547472450684377
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a37abc9ea6fa2f09,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 09:21:59 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!hplabs!hpl-opus!hpnmdla!donm
From: donm@hpnmdla.HP.COM (Don Montgomery)
Newsgroups: rec.ham-radio
Subject: Jackson Bros. Dial Drives
Message-ID: <1250137@hpnmdla.HP.COM>
Date: 27 Mar 90 17:21:59 GMT
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 10
Posted: Tue Mar 27 18:21:59 1990

Does anyone out there in net-land know who handles Jackson Brothers
dial drives? Are they still in business? My last catalog is from 1974,
when SWEDGAL ELECTRONICS in NYC handled their line.

Any help appreciated.   Thanks

Don Montgomery, K6LTS
donm@hpnmdla.HP.COM

From -3740099421688349570
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,638b6f16b32ef32a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,638b6f16b32ef32a,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-03-27 09:25:37 PST
Path: gmdzi!unido!mcsun!sunic!tut!kannel!junki
From: junki@kannel.lut.fi (Juha Nurmela)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: stacking yagis
Keywords: stack yagi urk
Message-ID: <1839@kannel.lut.fi>
Date: 27 Mar 90 17:25:37 GMT
Distribution: rec
Organization: Lappeenranta University of Technology, Finland
Lines: 13
Xref: gmdzi rec.ham-radio:10480 rec.ham-radio.packet:1958
Posted: Tue Mar 27 18:25:37 1990

yanaa:

I've got two 70 cm yagis and i wonder what would be
the best stacking distance, with maximum gain in mind.

The antennae (:-)) are made according to the schema
in ARRL antenna book:
70 cm, 15 elements each, boom len about 3 meters.

Thanks for any advice,

juha nurmela, oh5nxo, junki@kannel.lut.fi

From -8540228602743226778
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d876a1713624e419,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 11:44:43 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!tut.cis.ohio-state.edu!att!

cbnewse!waco
From: waco@cbnewse.ATT.COM (john.l.broughton)
Newsgroups: rec.ham-radio
Subject: Wild accusations against MFJ, V31BB.
Keywords: MFJ, V31BB
Message-ID: <13855@cbnewse.ATT.COM>
Date: 27 Mar 90 19:44:43 GMT
Organization: AT&T Bell Laboratories
Lines: 42
Posted: Tue Mar 27 20:44:43 1990

In regard to all the postings about MFJ and V31BB, here is my 2 cents worth. I have only two MFJ products: 1) MFJ-102 digital clock 2) MFJ-815B SWR bridge/wattmeter. I have had the clock many years and it keeps exceptionally good time to within a second or so a month. The wattmeter was purchased this January at a local hamfest. After reading all the articles about MFJ quality, I looked inside the unit. It is rather well put together and all the solder joints look OK, not too sloppy. It is neat and looks like they do have some quality control. Also, their guarantee is for one full year; not bad on the average. It works well so far -- I run barefoot.

As to V31BB, he must, indeed, have been contacted by the government agency in Belize regarding his diatribes against MFJ. I last listened to him about three weeks ago and he was ranting on about being told he could no longer mention "the company's name" on the air. He did not do so and I was curious about which company and what he was talking about. After reading the news net here I found out.

As to his being a jerk, he certainly is! The best advice was offered here today, I think, or yesterday. That is to just ignore him. He is not the only ham in Belize and people like him give the hobby a bad name. Without anyone to listen to him I am sure he will eventually go away. People like him feed on reaction and attention. However, if anyone wants to volunteer to engage him in a rag chew during a rare DXpedition, go ahead. That will make sure he does not become a "policeman" on the DX station's frequency -- he seems to be a good candidate for the job.

Remember, DXing is fun, but missing a rare one will not REALLY change your life. There are enough, the vast majority, of good hams to still make this the best hobby there is! One contact with a really nice person makes up for a lot of V31BBs. My contact with JY1 made up for all the jerks I have every run across, almost.

John L. Broughton WB9VGJ
AT&T Bell Laboratories
1200 E. Warrenville Rd.
Naperville, IL 60566-7045
(708) 713-4319
john.l.broughton@att.com

From 2328138662033983275
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3fd67f66d1080620
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 12:16:09 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!hrc!godzilla!dalyb
From: dalyb@godzilla.UUCP (Brian Daly)
Newsgroups: rec.ham-radio
Subject: Re: Micrwave
Summary: Trying to get involved...
Message-ID: <49732d06.1423f@godzilla.UUCP>
Date: 27 Mar 90 20:16:09 GMT
References: <15266.260D93E3@stjhmc.fidonet.org>
Organization: gte
Lines: 15
Posted: Tue Mar 27 21:16:09 1990

In article <15266.260D93E3@stjhmc.fidonet.org>,
Brian.Crawford@p12.f15.n114.z1.fidonet.org (Brian Crawford) writes:
>
> Are there any hams on the usergroup currently ACTIVE on 3 & 5 GHz Amateur
> Bands? Is there anyone ACTIVE on the amateur bands in between 10 & 47 GHz?

I am actively pursuing microwave activity in the 10GHz band. If all goes well,
withing the next few months I'll be on the air..

73's,

--
Brian K. Daly WB7OML @ AG Communication Systems, Phoenix, Arizona
UUCP: {...!ames!ncar!noao!asuvax | uunet!zardoz!hrc | att}!gtephx!dalyb
Phone: (602) 582-7644   FAX: (602) 582-7111
~

From 6571147623548870846
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f35daeb8b9c04cf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 12:50:02 PST
Path: gmdzi!unido!mcsun!uunet!mitel!sce!cognos!dgbt!barry
From: barry@dgbt.uucp (Barry McLarnon DGBT/DIP)
Newsgroups: rec.ham-radio
Subject: Re: Wild accusations against MFJ?
Message-ID: <1376@dgbt.uucp>
Date: 27 Mar 90 20:50:02 GMT
References: <118@gizzmo.UUCP>
Organization: CRC, Ottawa CANADA
Lines: 13
Posted: Tue Mar 27 21:50:02 1990

I see folks are coming to the defence of MFJ, so I'll add another ringing endorsement:

The only MFJ product I own is an HF dummy load. It's been 100% reliable.

:-)

- Barry VE3JF

--
Barry McLarnon   Communications Research Center   Ottawa, ON   Canada
Internet: barry@dgbt.crc.dnd.ca   UUCP: ...utzoo!dciem!nrcaer!dgbt!barry
CI$: 71470,3651   PBBS: VE3JF@VE3JF   AMPRnet: barry@bbs.ve3jf [44.135.96.6]

From 1000439860191472595
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d09b6c76136c7521,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 13:54:28 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!STL-06SIMA.ARMY.MIL!wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: Texas Towers query
Message-ID: <9003280805.AA10007@ucbvax.Berkeley.EDU>
Date: 27 Mar 90 21:54:28 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 30
Posted: Tue Mar 27 22:54:28 1990

>I used to work for Texas Towers as Sales/Service Manager,

Great! Someone who can answer questions that I've wondered about for years! Texas Towers is the firm that has the centerspread ads in CQ every month, right? (If not, ooops, my apologies, insert foot in mouth and hop away... :-) But, assuming I'm remembering right and it is...

1) Why does this company have different reader-service numbers for different pages of its multi-page ad?

2) Why does it have reader-service numbers at all? I've circled numbers on those ads on the CQ bingo card on and off many times over the years, and I have *never* gotten a single piece of literature or a flyer or a catalog from that company. If there is a management decision to not respond to reader-service inquiries, why don't they use the "send all inquiries directly" option CQ offers instead of having numbers?

I've tried various techniques -- picking the number from one page and circling that some months and other months circling all the numbers from all pages. Ignoring the ad for months and then circling the number. Circling all numbers every month for several months in a row. No style ever seems to trigger the company into sending anything out. In recent months I tend to just ignore the ad after this history...

In addition to answering the above specific queries, any comments you care to offer on reader-service inquiries from the vendor side will be appreciated.

Regards, Will
wmartin@st-louis-emh2.army.mil OR wmartin@stl-06sima.army.mil

From -8756583453737982115
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5723e637d26c523a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,5723e637d26c523a,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-03-27 13:55:57 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio,rec.ham-radio.swap
Subject: CB Xcvr -> 10M Beacon
Keywords: Beacon
Message-ID: <3140@radio.oakhill.UUCP>
Date: 27 Mar 90 21:55:57 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 20
Xref: gmdzi rec.ham-radio:10470 rec.ham-radio.swap:369
Posted: Tue Mar 27 22:55:57 1990

I'd like to set up a 10 meter 5W beacon.
I have a couple of questions regarding 10m beacon operation:

1) Is there a currently-available/easy-to-modify-to-10 meters CB tranceiver on the market? Or other such quick-and-simple xmitter?

2) How do I register the beacon to make it official on the beacon roster?

3) What do hams typically use for the ID'er? I've heard some long-winded ID'ers out there on some of the beacons.

Any beacon jocks out there?

Thanks,

Charlie Thompson
WB4HVD

From 5188922382683044532

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d5369fa6879eecf9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 14:08:07 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pt.cs.cmu.edu!dsl.pitt.edu!pitt!cs.pitt.edu!km
From: km@cs.pitt.edu
Newsgroups: rec.ham-radio
Subject: Heath HT mods?
Message-ID: <7251@pitt.UUCP>
Date: 27 Mar 90 22:08:07 GMT
Sender: news@pitt.UUCP
Reply-To: km@cs.pitt.edu ()
Organization: Univ. of Pittsburgh Computer Science
Lines: 5
Posted: Tue Mar 27 23:08:07 1990

Does anyone know of any modifications for the Heath 2XL HT to extend
its receive capability? Out of the box it does only 144 - 148 mHz.

-Ken Mitchum KY3B
km@cs.pitt.edu

From 2676552910380423753
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,ac48743e69a7d182,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,ac48743e69a7d182,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,ac48743e69a7d182,start
X-Google-Attributes: gid105d97,public
X-Google-Thread: f9437,ac48743e69a7d182,start
X-Google-Attributes: gidf9437,public
X-Google-Thread: 114d61,ac48743e69a7d182,start
X-Google-Attributes: gid114d61,public
X-Google-ArrivalTime: 1990-03-27 14:09:30 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!ucdavis!csusac!sactoh0!quack!mrapple
From: mrapple@quack.UUCP (Nick Sayer)
Newsgroups: news.groups,rec.arts.tv,rec.ham-radio,rec.radio.shortwave,sci.electronics
Subject: CALL FOR VOTES - rec.arts.tv.cable
Keywords: 1st call
Message-ID: <5221@quack.UUCP>
Date: 27 Mar 90 22:09:30 GMT
Followup-To: news.groups
Organization: The Goose Egg, Stockton, CA
Lines: 49
Xref: gmdzi news.groups:16854 rec.arts.tv:2997 rec.ham-radio:10477 rec.radio.shortwave:781 sci.electronics:5937
Posted: Tue Mar 27 23:09:30 1990

[followups to news.groups. crossposted to s.e r.h-r for technical reasons, r.r.s because of satelite discussions]

Since there has been no further discussion, I think it is not sacreligious to bump up the vote.

CHARTER: REC.ARTS.TV.CABLE

This group is for discussions pertaining in general to cable television, and satelite television. Broadcast only issues should go to rec.arts.tv. More specifically, discussions of technical, regulatory, programming, and/or customer service/cost/quality issues are welcome.

Technical discussions of cable programming technology are welcome, which is somewhat at odds to its placement in "rec," but this is proposed simply because of the infeasability of placing the group elsewhere. The original name rec.arts.tv.catv was objected to by several because of the confusion over the designation "catv" meaning community access TV instead of community antenna TV. Several have objected to placing the group in rec.arts, but there have been no alternative suggestions.

The newsgroups line would read:

rec.arts.tv.cable Discussion about cable and satelite television

This newsgroup would not be moderated. It distribution would be world-wide.

To vote, send mail to:

uop.edu!quack!vote-no   for no votes
uop.edu!quack!vote-yes   for yes votes

A daemon will pick out the "From:" line and add it to a file. No reply will be sent. Second call with vote list will be posted Tuesday the 2nd, and third call with vote list will be posted Tuesday the 9th.

The vote will end April 16, 2359 UTC, with the usual 5 day wait for late mail.

Any personal mail may be sent to ...quack!mrapple, but votes sent there will not be counted. Posted votes will not be counted.

```
--
Nick Sayer  -  The Goose Egg public unix  -  209-952-5347 (Telebit)
---------------------------------+----------------------------------
quack!mrapple@uop.edu            !
...pacbell!sactoh0!quack!mrapple ! And now, The Fish Slapping Dance
N6QQQ (145.75 - TCP/IP soon)     !
```

From 5927312769359799272
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,fe990dd2c881c667,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,fe990dd2c881c667,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-03-27 14:15:36 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!chju366
From: chju366@ut-emx.UUCP
Newsgroups: rec.ham-radio,sci.electronics
Subject: Help needed for WWV literature
Keywords: WWV, Time Broadcast Services
Message-ID: <27019@ut-emx.UUCP>
Date: 27 Mar 90 22:15:36 GMT
Organization: The University of Texas at Austin, Austin, Texas
Lines: 14
Xref: gmdzi rec.ham-radio:10468 sci.electronics:5931
Posted: Tue Mar 27 23:15:36 1990

I am researching the NBS Frequency and Time Broadcast Services and need some literature reference sources. I have a copy of the NBS Special publication No. 236. It's about 15 pages long and talks at length about getting WWV and using it to set your clocks and check your freq.

I'd like to get some more information on it, such as the history of it and its usefulness. Send mail to me and I will summarize for the net.

I seem to recall a discussion about this and the Heathkit clock designed to receive WWV over the summer. If anyone has a copy of any of it, I'd appreciate it if you'd send it to me.

Thanks!
Jose Benki   chju366@emx.utexas.edu (Internet)

From 1303289377598098858
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,24ecd6d12aafae8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 14:21:50 PST
Path: gmdzi!unido!mcsun!uunet!samsung!brutus.cs.uiuc.edu!apple!motcsd!hpda!hpcuhb!hpscdc!rkarlqu
From: rkarlqu@hpscdc.scd.hp.com (Rick Karlquist)
Newsgroups: rec.ham-radio
Subject: Re: QEX and other Ham mags.
Message-ID: <5490095@hpscdc.scd.hp.com>
Date: 27 Mar 90 22:21:50 GMT
References: <3290@optilink.UUCP>
Organization: Hewlett-Packard, Santa Clara Div.
Lines: 23
Posted: Tue Mar 27 23:21:50 1990

> / hpscdc:rec.ham-radio / elliott@optilink.UUCP (Paul Elliott x225) / 9:44 am Mar 26, 1990 /
> I am considering renewing or starting subscriptions to various HAM magazines,

> and would appreciate comments or suggestions.
>
> My priority list goes something like this:
>
> 1) Technical content
> 2) Technical content
> 3) Technical content
> 4) Operating practice, band openings, etc
> ...
> 98) Contests
> 99) Silent Keys (unless I am listed; that would concern me :-(
>
> ... de wb6cxc <end of work>

You need to get VHF Communications which is an English translation of
a German ham magazine, with 100% technical content. Available
in this country thru Timekit in Ohio.

Rick N6RK
rkarlqu@hpscdc.scd.hp.com

From -9051637027511872846
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,332e57cbe9ec77e7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 14:46:49 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!
XEROX.COM!G4JJO.WBST207V
From: G4JJO.WBST207V@XEROX.COM
Newsgroups: rec.ham-radio
Subject: Happy Times are here Again
Message-ID: <900327-152339-2635@Xerox>
Date: 27 Mar 90 22:46:49 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Reply-To: G4JJO.WBST207V@Xerox.COM
Organization: The Internet
Lines: 21
Posted: Tue Mar 27 23:46:49 1990

For several reasons, not the least of which the ARPA gateway here has been
not been operating here, I have not had the pleasure of reading Info-Hams
for at least 6 months.
I was totally amazed to find that just like the soap operas I hadn't missed
a thing. Only the names have changed (presumaably to protect the innocent)
Rather cunning name changes have been made "code-nocode" has been changed
to "increasing CW speed"....subtle   Huh
Although I did notice that in several notes some people forgot the name
change and still called it "code-nocode".... got to to watch those name
changes.......
I see we are still modifying HT's for out of band listening, and

transmitting into dummy loads etc. and even still getting into trouble on airplanes with them.
What's the new name of the 220 MHZ discussion or did it dry up.....

If it sounds like I'm cynical it's probably because I am, it's just that it's getting tougher to sort out the real gems and useful information from all the chaff (I'm being polite here) that's flowing downhill.

Cheers and 73's Geoff Williams G4JJO

From 8972217750305717702
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76e62a66c03565
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 17:39:18 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Radio Phone Salesmen LIE!
Message-ID: <30500479@ux1.cso.uiuc.edu>
Date: 28 Mar 90 01:39:18 GMT
References: <1221@lopez.UUCP>
Lines: 9
Nf-ID: #R:lopez.UUCP:1221:ux1.cso.uiuc.edu:30500479:000:347
Nf-From: ux1.cso.uiuc.edu!phil Mar 27 17:30:00 1990
Posted: Wed Mar 28 02:39:18 1990

You could subscribe to their service, pick up YOUR OWN signal on your unmodified scanner (which MIGHT be arguably legal), and file a complaint with appropriate consumer protection agencies (all you can find at once) complaining that you were ripped off and the company is advertising fraudulently.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From 4853265750589439810
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e0aa1c4f9f61046d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 17:39:26 PST
Path: gmdzi!unido!mcsun!uunet!samsung!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW Speed
Message-ID: <30500478@ux1.cso.uiuc.edu>
Date: 28 Mar 90 01:39:26 GMT
Lines: 16

Nf-ID: #R:<9003250020.AA12799@tecnet1.jcte:-41:ux1.cso.uiuc.edu:30500478:000:430
Nf-From: ux1.cso.uiuc.edu!phil   Mar 27 17:21:00 1990
Posted: Wed Mar 28 02:39:26 1990

Alternatives to code test:

Novice: eat 5 bunches of brocolli
Tech: eat 5 bunches of brocolli
General: eat 13 bunches of brocolli
Advanced: eat 13 bunches of brocolli
Extra: eat 20 bunches of brocolli

Of course for some people this is easy to do, but it certainly takes a lot
of dedication, and will help keep out the riff-raff.

Anyone for CHINESE FOOD at the Dayton Hamfest?

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From 4576102006572751107
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0e4807814a80c9c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 17:39:42 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Legalities...
Message-ID: <30500480@ux1.cso.uiuc.edu>
Date: 28 Mar 90 01:39:42 GMT
References: <7723@b11.ingr.com>
Lines: 40
Nf-ID: #R:b11.ingr.com:7723:ux1.cso.uiuc.edu:30500480:000:1940
Nf-From: ux1.cso.uiuc.edu!phil   Mar 27 18:32:00 1990
Posted: Wed Mar 28 02:39:42 1990

> Just an ethical question. I live in a very rural area and wish to
> put a phone patch at my QTH. I was planning to do it cross-band
> by using the TS-680S in the car to go to the house on 6m FM, and back
> out on 2m. With the "links above 220MHz" rule, how is this classified
> and is it legal?? Do want to be legal now you know.
>
> tnx es 73 de km4jn

Ethically speaking, I personally don't see anything wrong with it...

but...

as I interpret the rules, you would be bringing up the transmitter back at home from your car. That constitutes REMOTE CONTROL. All transmitters under remote control must be controlled by means of either "wire line" (i.e. a phone line, etc.) or by means of a station in AUXILIARY OPERATION. The legal CONTROL POINT would be at the car. That's where you would be able to shutdown the transmitter from should you discover it to be in violation of the rules. My guess is that the FCC wants this communications to be reliable and so requires that all auxiliary operation be limited to frequencies above 220.5 Mhz except 431-433 and 435-438 Mhz. These might change when the 220-222 loss finally happens.

So as long as the transmission from the car to the house is on an auxiliary frequency, then it could be ok, legally.

REMOTE CONTROL of a station is authorized for REPEATERS and I think BEACON stations (I have to double check on beacons, but they don't apply here anyway). A plain patch is just an ordinary station conducting third party traffic (don't forget about the third party traffic rules).

You might be able to turn it into a true repeater. You'd have to make sure that BOTH the input and output are in the repeater subbands of the respective bands. It would have to qualify as a repeater under the repeater rules. Then it can be operating under AUTOMATIC CONTROL and the phone patch can be attached as a extra feature.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

```
From -3716465529797354530
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,80848088c2d784db,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 17:40:09 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!brutus.cs.uiuc.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Favorite Mode numbers
Message-ID: <30500481@ux1.cso.uiuc.edu>
Date: 28 Mar 90 01:40:09 GMT
References: <11378@ttidca.TTI.COM>
Lines: 16
Nf-ID: #R:ttidca.TTI.COM:11378:ux1.cso.uiuc.edu:30500481:000:541
Nf-From: ux1.cso.uiuc.edu!phil    Mar 27 18:39:00 1990
Posted: Wed Mar 28 02:40:09 1990
```

How about a survey that breaks up the favorite modes in terms of bands?

1. What is your favorite mode(s) on HF
2. What is your favorite mode(s) on VHF
3. What is your favorite mode(s) on UHF

Since the no-code license is only addressing privileges above somewhere between 30 Mhz and 220 Mhz (depending on which one you look at) I would think the VHF and UHF distribution to be far more important relative to having no code requirement on a class giving only those privileges.

How about?

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From -278276290926984333
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4d11151e09b307ea,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,4d11151e09b307ea,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f76e2,4d11151e09b307ea,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-03-27 21:43:27 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!rpi!crdgw1!ge-dab!tarpit!peora!tsdiag!ka2qhd!ka2raf
From: ka2raf@ka2qhd.UUCP (Chris Crosby KA2RAF)
Newsgroups: rec.radio.shortwave,rec.ham-radio.swap,rec.ham-radio
Subject: WANTED: Johnson Viking 4740 Schematic/Layout
Keywords: Need schem/layout,CB/40ch/ssb,repair&conversion
Message-ID: <243@ka2qhd.UUCP>
Date: 28 Mar 90 05:43:27 GMT
Organization: KA2QHD, OCEAN NJ
Lines: 14
Xref: gmdzi rec.radio.shortwave:833 rec.ham-radio.swap:379 rec.ham-radio:10589
Posted: Wed Mar 28 06:43:27 1990

I have an inoperative Johnson Viking 4740 CB/SSB radio.
It is 40 channels. It has no receive audio at the present time.
I am in need of a schematic/PC layout for the radio so I can get
running so I can convert it to 10 meters. Anyone having any
info, please contact me at:

Chris Crosby KA2RAF
P.O.Box 1286
Lakewood, NJ 08701
201-905-9843

p.s. I would be interested in any mods for the radio. I heard the 10 meter mod is a "ground the pin on the synthesizer" mod. That and any others would be greatly appreciated ! 73 de Chris, KA2RAF@NN2Z

From 1587717319684861185
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aa7082ad7357475e

```
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-27 22:42:30 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!agate!gypsum.berkeley.edu!donahn
From: donahn@gypsum.berkeley.edu (Don Ahn)
Newsgroups: rec.ham-radio
Subject: Re: V31BB
Message-ID: <1990Mar28.064230.1692@agate.berkeley.edu>
Date: 28 Mar 90 06:42:30 GMT
References: <19801@ea.ecn.purdue.edu> <26992@ut-emx.UUCP>
Sender: usenet@agate.berkeley.edu (USENET Administrator;;;;ZU44)
Reply-To: donahn@gypsum.berkeley.edu (Don Ahn)
Organization: University of California, Berkeley
Lines: 20
Posted: Wed Mar 28 07:42:30 1990

In article <26992@ut-emx.UUCP> trey@ut-emx.UUCP (Trey Garlough) writes:
>I don't see V31BB as being much different from those "phone in and be
>abused" type talk-radio shows where the DJ sits around and harangues
>the callers.  The funny thing is that people sit around and listen
>to this stuff for hours and let themselves get all steamed.

One of the intents of Amateur Radio is to "foster international goodwill".
On the bands, one does not expect to be yelled at or insulted.  V31BB
is in a postion, living in an exotic location, of having lots
of stations that would like to work him.  He compounds the situation by
working contest-style pileups -- people dying for a Belize QSL. Most of
his victims think they are talking to Joe DX station -- and then they
get slapped.  This is enough to get most people steamed.

With a talk show, you know what you're getting into, and you're basically
paying to get abused.  With a pileup, you should be able to at least get some
courtesy  -- its in the charter of Amateur Radio.  Amateur Radio is having
a tough enough time with image as it is - without V31BB.

Don Ahn, AA6UD


From -3824795580174917274
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aa7082ad7357475e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 00:22:28 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!TECNET1.JCTE.JCS.MIL!
mgb
From: mgb@TECNET1.JCTE.JCS.MIL
Newsgroups: rec.ham-radio
Subject: V31BB
Message-ID: <9003280822.AA16081@tecnet1.jcte.jcs.mil>
Date: 28 Mar 90 08:22:28 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 63
Posted: Wed Mar 28 09:22:28 1990
```

Has anyone thought about collecting all the articles written on this gentleman via this network and sending them all at once?

I suppose that the infamous recognition might fan the flames of this individual, but it is a pleasant thought.

Heck... he might even send you a QSL! (Joke please... not serious)

Which brings up the topic of "self-policing", something that seems to be on the mind of a lot of people now-a-days. Obviously that term is a joke. The proof of that is in what is happening on our bands today.

Maybe I am daydreaming, but it seems to me that the MAJORITY of hams are disturbed or down-right disgusted at a lot of the behaviour that is going on in our spectrum. The ARRL says that a ham must NEVER jam someone intentionally (so does the FCC), and if you want to get down to brass tacks.... putting a pin in a licensed hams coax is a felony, as is beating the tar out of him at a local hamfest. So I am getting a little short on patience when I read people like Wayne Green saying that WE as HAMS are FAILING at our jobs of "self-policing" because we are too "whimpy". I hear all the accusations, but I sure don't see any valid suggestions on how to stop it.

Mr. Green has a strong medium that he could use to help stop this by simply having a "Lid of the Month" award. We could have write in votes and he could publish the results! But of course he would then probably get SUED, and he is too "whimpy" to risk that!

No... I do not like being called a "whimp". I also don't like people that print up great suggestions for where we as a Amateur Service should be headed, but don't give too many details on how to get there. Sure, you first have to define a GOAL, but I think we're all aware of some pretty good ones to shoot for... it's in how to GET there that really poses the problem.

IMHO the conduct of ham radio operators, and improving same.... is a lot more important... or at least AS important as a code/no-code license.

"Self-Policing"...In ham radio that is a GUN that has NO ammunition, unless you are willing to break the law or compromise your own ethics to make an impact.

I am interested in anyones opinion on this. My personal feeling is that the war on the crazy people has to get personal. Names have to be named and callsigns included. The really worst offenders have to be put on a hit list of every ham so that whenever they hear the persons callsign, they will know that THIS guy is a real turkey. Yes, this could drive such mentalities into rash behaviour such as jamming the local 2 meter repeater.... but then it is HIM that is breaking the law, and then HE is the one that can be prosecuted.

V31BB has been put on MY hit list, and while the internet probably isn't

a good place to keep such a database :-) it is a good example of what I
am talking about.

Since CW is not a "good filter" for nut cases, how about filling me in
on how to go about stopping this mess? I believe that it is getting
worse.   Quickly.

Whew... this was pretty strong....I can feel the heat already! :-)

Mark Bitterlich
mgb@tecnet1.jcte.jcs.mil

From 6523815617932342611
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a7b48bd98c4c21df,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 01:02:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!ibma.nerc-wallingford.ac.UK!PJML
From: PJML@ibma.nerc-wallingford.ac.UK ("Pete Lucas, NCS-TLC, Swindon U.K.")
Newsgroups: rec.ham-radio
Subject: Horrible New UK call allocations!!
Message-ID: <28.Mar.90.10:08:37.BST.#5905@UK.AC.NWL.IA>
Date: 28 Mar 90 09:02:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18
Posted: Wed Mar 28 10:02:00 1990

In INFO-HAMS Digest V90 #303, Bob, W3OTC comments on the new proposed
United Kingdom callsign allocations, and says::
>
>Who said that the American callsign scheme is complicated ??????
>
I *LIVE* in the UK, and may have to *PUT UP WITH* this farce of a scheme
for assigning new calls....... {start playing of sad violin music...}
The need to have a seperate call series for club stations passing third-party
messages(!) seems obscure and unnecessary to me, add this to the confusion
that the new 'novice' license will introduce, and i predict chaos! (BTW,
why do we need a 'novice' license? we already have one - its called the
'Class 'B'', no-code license - gives us six meters and up, full privileges).
I feel that the proposed call scheme is nothing more than the uninformed
scribbling of incompetent buffoons, and have written to RSGB expressing
my strongest disapproval of the new proposal. But i feel that i am a
lone voice crying in the wilderness...

>>>Pete>>>   G6WBJ (A No-code licensee - and proud of it!)

From -2969362263512479137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,27d83969b86ffdd5,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 03:48:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!SC.INTEL.COM!
RHAREL%FAB8
From: RHAREL%FAB8@SC.INTEL.COM (Intel-FAB8 7589)
Newsgroups: rec.ham-radio
Subject: CQ PEACE
Message-ID: <9003290802.AA07895@ucbvax.Berkeley.EDU>
Date: 28 Mar 90 11:48:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 22
Posted: Wed Mar 28 12:48:00 1990

Normally - I feel politics and Amateur Radio have no real common
ground - especially here on Info-Hams. However in this case I must make
an exception since what happened this week in Israel just might be the spark
that can eventually lead to peace in the Middle East - or at least a beginning
of something...
On March 27th, it was announced by the Ministry of Communications that Amateur
Radio operators can now legally communicate with 22 Arab countries that were
formally forbidden under the rules and regulations since 1948.
So far, nothing has been said formally on the part of our neighbors - but it
is too soon to tell. Jerusalem and Amman for example are in 2 meter repeater
range. 40 meter SSB operation during the day would give coverage into many
neighboring countries.(It would be nice to hear JY1 pop on to the Jerusalem
repeater on his way to work!)
Things happened in Eastern Europe recently after no one thought it was
possible... Why not here ?
Peace via Amateur Radio ??
This may be a real first...

73
4X1DA / WB2JBS
Richard Harel
Jerusalem

From 3446871417122808083
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62d7d910fa1457ac,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 04:33:20 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: WWV
Message-ID: <9003281233.AA21498@cmr.ncsl.nist.gov>
Date: 28 Mar 90 12:33:20 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 21

Posted: Wed Mar 28 13:33:20 1990

I was unable to send the following message directly since the addressee seems to be unknown by emx.utexas.edu.

Date: Wed, 28 Mar 90 07:29:16 EST
>From: Robert Carpenter <rc>
Message-Id: <9003281229.AA21492@cmr.ncsl.nist.gov>
To: chju336@emx.utexas.edu
Subject: WWV

One source of historical info about WWV / WWVH is the book "Achievement in Radio", by Wilbert F Snyder and Charles L Bragaw, available from the US Govt Printing Office (for maybe $55). I would think that the U Texas library might have a copy. It is an 842-page history of radio activities at NBS up through the mid-1970s. The section about WWV starts on page 263 and runs about 30 pages. If you absolutely can't turn up a copy of the book, I suppose I could copy the pages. This story isn't technical, or at least not very technical. Contacting somebody like Roger Beehler at NIST/Boulder, might lead you to more technical info. Note that the name was changed from NBS to National Institute of Standards and Technology about a year ago - congressmen at work.
73, Bob W3OTC

From -5603648110731215534
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b672e278180f2286,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 05:09:14 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!gvlv2!gvlv3.gvl.unisys.com!ean
From: ean@gvlv3.gvl.unisys.com (Ed Naratil)
Newsgroups: rec.ham-radio
Subject: Q-Signals
Message-ID: <593@gvlv2.GVL.Unisys.COM>
Date: 28 Mar 90 13:09:14 GMT
Sender: news@gvlv2.GVL.Unisys.COM
Reply-To: ean@gvlv3.gvl.unisys.com (Ed Naratil)
Organization: Unisys Defense Systems, Great Valley Labs, Paoli, Pa
Lines: 10
Posted: Wed Mar 28 14:09:14 1990

Dig out you copy of the Amateur Radio Handbook or most any other handbook of radio and someplace you will find a list of the "INTERNATIONAL Q-SIGNALS". And, yes, they are still in use on the 'outmoded' mode of CW!   Also there is another type of signals used on CW by the U.S. Military forces "Z-SIGNALS"

Ed Naratil   (All standard disclaimers apply)
AMPR: W3BNR@N3LA.#EPA.PA.USA.NA   ean@gvlv3.gvl.unisys.com

From 7160163371999306920
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d50a74405fa8bde1
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 05:09:16 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!snorkelwacker!husc6!genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: Re: Ham Radio article in Worc
Message-ID: <34450@genrad.UUCP>
Date: 28 Mar 90 13:09:16 GMT
References: <90032502290082@masnet.uucp>
Sender: news@genrad.UUCP
Reply-To: dls@genrad.UUCP (Diana L. Syriac)
Organization: GenRad, Inc., Concord, Mass.
Lines: 93
Posted: Wed Mar 28 14:09:16 1990

I have been asked via email to post the article, so here it is in full. This article is being reproduced without permission from the Worcester Telegram, Sunday, March 18th issue (ps, I fixed the misspelled name):

RADIO HAMS CAN BE BIG HELP IN TIME OF NEED

The Montachusett Amateur Radio Association is there when you need it. The 75 member club for amateur radio operators, popularly known as "hams," has a long history of acting as a vital communication link in time of emergency. But if you ask club members why they're involved, they'll tell you it's because amateur radio is a lot of fun.

"It's quite a hobby," declared Gerald Jubb, an association member who got his first ham license in 1934 when amateurs typically rigged up their own radio sets. "You get into it as a kid and then stay the rest of your life," Jubb added.

Local hams join the association to sharpen their skills and to share the fun of ham radio with their fellow enthusiasts. The association also gives classes so that aspiring hams can learn their craft and obtain a license to operate. Of the 19 people in the current class, four are 14 years of age or younger [Diana: two of them are my kids!], three of them girls, noted Charles Cayen, the chairman of the club's membership committee.

FORMS OF COMMUNICATION

Hams can use a variety of formats to communicate, including voice, Morse Code, teletype and computer. Many hams have handheld units and others broadcast from mobile units in their cars.

Some operators, said Bill Wornham, get into the hobby to "chew the fat with anybody and everybody." Some are particularly interested in foreign contact, while others prefer getting involved in the technology of radio such as using computers and satellites. The first non-government satellite ever launched back in 1961 was for radio amateurs across the world and 12 more have been launched since then, said Jubb.

But it may be the public service and emergency functions that make ham operators and the club particularly recognizable. The association helps ensure the safety of participants in local bicycle and foot races as well as walkathons by providing communications along the routes and promptly directing help to trouble spots.

DISASTER HELP

And when all other communications fail, such as during a flood, earthquake or hurricane, amateur radio operators are there to help coordinate disaster relief and get messages in and out of the affected area. During last October's quake in California, amateur radio operators passed 15,000 messages between the stricken area and the outside, mostly to family members concerned about the fate of their loved ones, said club member Wornham. Hams passed the same number of messages down to the Caribbean when Hurricane Hugo ripped through the islands last year, he added.

Wornham sent one inquiry to Puerto Rico for a co-worker who wanted to find out if her family was safe. She got a message the next day from an operator who telephoned her from Kentucky. Everybody was fine. Montachusett Amateur Radio Association members are also ready to spring to action when local emergencies arise. The association counts among its members Wornham, who is the Civil Defense director in Townsend, and Cayen, who acts as the northeast coordinator in Worcester County for the Amateur Radio Emergency Service, the volunteer agency that would coordinate ham efforts during an emergency.

Cayen remembers a few years ago, during a flood warning in the Fitchburg area, that volunteer hams went out periodically to measure water levels which they passed on to officials who were monitoring the situation. Hams are also called upon to report local road conditions during a snowstorm or weather conditions in their town during a tornado watch.

Jubb has been a ham since the 1930s when radio captured his imagination and he began building sets to send and receive messages. He made his first radio contact with a Springfield amateur in 1933 and he's been at it ever since. Jubb makes his contacts out of the same room where he began, in a converted closet in a 250-year-old house that was built by his family.

The association has its roots in the Fitchburg Radio Club which began in the 30s, Jubb recalled. In the 1970s, the Fitchburg Club merged with an informal group of operators to form the Montachusett Amateur Radio Club. The name was eventually amended to association.

In addition to offering classes, the club participates in the annual field day sponsored by the American Radio Relay League, the national association of ham radio operators. A sort of national disaster drill, the field day gives clubs across the country a chance to operate under emergency conditions and have their performance rated.

```
The club meets every second Wednesday, except in July and August.


->Diana L. Syriac   CAP: SM, Freedom 690 Mobile    Ham: KC1SP(1 super pilot)<-
->USmail:   GenRad Inc., Mail Stop 6, 300 Baker Ave, Concord, Mass.  01742  <-
->usenet:   {decvax,mit-eddie}!genrad!dls      or dls@genrad.com
         <-
->tel:       (508) 369-4400 x2459    I'D RATHER BE FLYING!!!
              <-


From -8422020134889948720
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e0aa1c4f9f61046d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 05:20:44 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!att!cbnewsj!k2ph
From: k2ph@cbnewsj.ATT.COM (The QRPer)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW Speed
Message-ID: <4374@cbnewsj.ATT.COM>
Date: 28 Mar 90 13:20:44 GMT
References: <30500478@ux1.cso.uiuc.edu>
Organization: QRM Central
Lines: 31
Posted: Wed Mar 28 14:20:44 1990

From article <30500478@ux1.cso.uiuc.edu>, by phil@ux1.cso.uiuc.edu:
>
> Alternatives to code test:
>
> Novice:     eat 5 bunches of brocolli
> Tech:            eat 5 bunches of brocolli
> General:         eat 13 bunches of brocolli
> Advanced:        eat 13 bunches of brocolli
> Extra:      eat 20 bunches of brocolli
>

Can I put melted Velveeta on the broccoli?  :-)

p
o
s
t

p
r
o
g
r
a
m
-> needs these lines.
```

```
--
=================================================================
Bob Schreibmaier K2PH  | UUCP: att!lzss!k2ph or k2ph@lzss.att.com
AT&T Bell Laboratories | ARPA: k2ph%lzss@att.arpa
Lincroft, N.J. 07738   | ICBM: 40o21'N, 74o8'W
```

```
From -3550519676632602422
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2643821d42f638a7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 05:49:08 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!rpi!crdgw1!ge-dab!
tarpit!peora!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: FM Citizen's Band? GMRS or GRMS?
Message-ID: <809@tsdiag.ccur.com>
Date: 28 Mar 90 13:49:08 GMT
References: <1990Mar27.183242.15156@chinet.chi.il.us>
Reply-To: davet@tsdiag.UUCP (Dave Tiller N2KAU)
Organization: CONCURRENT,Engineering Services,Oceanport NJ
Lines: 20
Posted: Wed Mar 28 14:49:08 1990
```

In article <1990Mar27.183242.15156@chinet.chi.il.us> megabyte@chinet.chi.il.us
(Dr. Megabyte) writes:

```
-I have seen references to an FM Citizen's Band radio service refered to as
-the GMRS or maybe the GRMS service.  This seems not to be the 11 meter
-Citizen's Band Radio Service, as that is limited to AM and SSB.
-I don't think this is a part 15 type service either, can anyone shed any
-light on what it is I keep seeing references to?
-Mark E. Sunderlin: IRS Technocrat in Winchester, VA
-aka Dr. Megabyte: megabyte@chinet.chi.il.us  (703) 667-5203
```

Check out Title 47 CFR, in either part 90 or 95. (It's in with CB under the heading "Personal Radio Services".) It is FM, with a few channel pairs around 463/468 MHz. Repeaters are allowed within certain constraints, and buisness communications are allowed. If you'd like more information, please give me a call or E-Mail me directly. PS - How's Winchester this time of year? I grew up in Ashland, just north of Richmond. Are the apple blossoms out yet? Heard any good concerts at the conservatory? You're making me homesick!

```
From 4677265223718292761
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,80848088c2d784db
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 05:56:31 PST
```

```
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-
state.edu!rpi!crdgw1!ge-dab!tarpit!peora!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: Favorite Mode numbers
Message-ID: <810@tsdiag.ccur.com>
Date: 28 Mar 90 13:56:31 GMT
References: <11378@ttidca.TTI.COM> <30500481@ux1.cso.uiuc.edu>
Reply-To: davet@tsdiag.UUCP (Dave Tiller N2KAU)
Organization: CONCURRENT,Engineering Services,Oceanport NJ
Lines: 20
Posted: Wed Mar 28 14:56:31 1990

In article <30500481@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
-How about a survey that breaks up the favorite modes in terms of bands?
-1.  What is your favorite mode(s) on HF
-2.  What is your favorite mode(s) on VHF
-3.  What is your favorite mode(s) on UHF
---Phil Howard, KA9WGN--
-<phil@ux1.cso.uiuc.edu>


 1) Phone    (10m)
 2) Packet   (2m)
 3  ATV      (439.25 & 427.25) - "All Dave, all night - it's Dave TV!!"




--
David E. Tiller         davet@tsdiag.ccur.com  | Concurrent Computer Corp.
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z


From -5496548648725284209
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,54454a888e01f63d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 06:51:30 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!ULKYVM.BITNET!MEHARP01
From: MEHARP01@ULKYVM.BITNET (Michael Harpe)
Newsgroups: rec.ham-radio
Subject: Cellular phone salesmen story
Message-ID: <9003290806.AA08232@ucbvax.Berkeley.EDU>
Date: 28 Mar 90 14:51:30 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: University of Louisville
Lines: 20
Posted: Wed Mar 28 15:51:30 1990


I heard a sales rep for a cellular phone company giving a pitch in a
```

shopping mall one day. The person he was pitching to asked about scanners. He told them, "scanners can't pick up this signal, it's distributed by SATELLITE and we use special encoding on it." I actually could not contain myself and burst out laughing, much to my fiance's chagrin :-). The rep gave me The Mean Face so I just walked on. Oh well.

That is just out-and-out fraud. Someone needs to deal with that.

Just my 2/100 dollars worth.

```
---------------------------------------------------------------------
Michael Harpe, N4PLE                   | BITNET: MEHARP01@ULKYVM
106B Ormsby Building                   | VOICE:  502-588-7785
University of Louisville               | FAX:    502-588-5048
Louisville, KY  40292                  | AURAL:  "Mike!"
---------------------------------------------------------------------
"Sir, there is a large multi-legged creature crawling on your shoulder"
                                                  - Spock
```

From -2590206390197810773
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,78e870edc5e3652f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 07:27:44 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!ee.su.oz.au!arie
From: arie@ee.su.oz.au
Newsgroups: rec.ham-radio
Subject: Re: INFO-HAMS Digest V90 #333
Message-ID: <9003280027.AA02760@ee.su.oz.AU>
Date: 28 Mar 90 15:27:44 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Wed Mar 28 16:27:44 1990

Please remove me from the distribution list

73's   4X6JO / VE3JLM

Arie Markus arie@ee.su.oz   (formerly axm2f@uottawa)

Its been a slice, now I'm on my way back to 4X land.

From 923713571238341942
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 07:54:27 PST
Path: gmdzi!unido!mcsun!uunet!samsung!emory!mephisto!gatech!kd4nc!ke4zv

From: ke4zv@kd4nc.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Message-ID: <4156@kd4nc.UUCP>
Date: 28 Mar 90 15:54:27 GMT
References: <9003051529.AA05504@pelham.med.unc.edu> <7880136@hpfcdc.HP.COM>
<23629@usc.edu> <315@mikebat.UUCP> <23696@usc.edu>
Reply-To: ke4zv@kd4nc.UUCP (Gary Coffman)
Organization: none
Lines: 20
Posted: Wed Mar 28 16:54:27 1990

>Ken Hendrickson writes:
>Aurora can only be effectively utilized if CW is used.
Try AMTOR.
>
>During contests, I can do a CW contact in about 1/2 the time a voice
>contact takes, and I never have to ask for a repeat.

Fasinating! I suppose you talk MUCH more slowly than the average person.
Normal conversational speech is 120 wpm. I also must assume you never
work the weak ones or operate when there is QRM or QRN since you NEVER
ask for a repeat.

From personal traffic handling experience on both phone and cw nets
during the Vietnam era, I can say confidently that we passed MUCH
more traffic by voice than cw. Course we used the hi-tech of the
era, tape recorders for both out going and in coming traffic. Crisp
operating technique was a greater factor than mode, but the higher
speed of voice sure helped.

Gary Coffman KE4ZV

From -5861502765960922225
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aa7082ad7357475e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 08:19:24 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!trey
From: trey@ut-emx.UUCP (Trey Garlough)
Newsgroups: rec.ham-radio
Subject: Re: V31BB
Message-ID: <26992@ut-emx.UUCP>
Date: 27 Mar 90 17:29:27 GMT
References: <19801@ea.ecn.purdue.edu>
Organization: The University of Texas at Austin, Austin, Texas
Lines: 57
Posted: Tue Mar 27 18:29:29 1990

In article <19801@ea.ecn.purdue.edu>, wb9omc@ea.ecn.purdue.edu (Duane P Mantick)
writes:
> >>From: mark@gizzmo.UUCP (mark hilliard)

> >Every day without fail there is a fellow on (ve31bb or v31bb)
> >who has the loudest signal that I have EVER heard (he must be pumping 1kw)
>
> I have heard him and listened with upraised eyebrow on many, many occasions. First off, I have heard him say that anyone who runs under 250 watts is an "insect" whodeserves to be squashed by the 1KW flyswatter.
>
> Yes. I think he acts like a real jerk. Sure, I'd love to have a QSL card from Belize, but since his royal behindness deigns to not lower himself to QSO with "insects", I can get nice QSL's elsewhere, thank you.

I promised myself not to get involved in this discussion, but what the hey.

As I said in an unrelated previous posting about DX stations in general, V31BB is just a guy with a radio, the same as every other guy on the band. No better. No worse. Yet he seems to get people stirred up just as a guy who was on the bands a few years ago: Mike, WA4D, aka "The Dawg."

I don't see V31BB as being much different from those "phone in and be abused" type talk-radio shows where the DJ sits around and harangues the callers. The funny thing is that people sit around and listen to this stuff for hours and let themselves get all steamed.

Why do people let themselves do this?? The answer must be that they enjoy letting themselves get angry!

The following analogy is not for those individuals who are getting angry for the thrill or the "rush" or the high of "letting yourself go" by becoming enraged. It is for those people who are really upset and find themselves taking this stuff personally: I don't mean to suggest V31BB is a raving lunatic, but ... If you met a raving lunatic out on the street (for instance, a religious zealot who is shouting at everybody who walks by, telling them they will burn in hell), would you A) attempt to shout the madman down, or B) Run away! Run away! If you answer B (like me), then why are you so distressed by V31BB?

The good news is that most of the people on the street are pretty much minding their own business, just like most of the people on the ham bands.

> Duane Mantick
> WB9OMC, a "25 watts on 10-meters" insect (according to V31BB, anyway)

Of course it's hard to determine inflection and so forth from written text, but the insect thing is really pretty funny. Lots of humor is based on absurdity. I'm 99.9% percent sure that Duane Mantick put this in his signature because he thinks it is funny, not because he considers it an evaluation of his worth as a human being.

Trey Garlough

Computation Center, University of Texas, Austin, Texas 78712
trey@emx.CC.UTEXAS.EDU (internet) (512-471-3241)

From 6023351491598368316
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,23b52a089590896
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 08:31:19 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!mips!wyse!pgraham
From: pgraham@wyse.wyse.com (PC-NFS Philip Graham x1124 #)
Newsgroups: rec.ham-radio
Subject: Re: The Belize Bum (V31BB)
Message-ID: <2652@wyse.wyse.com>
Date: 27 Mar 90 17:18:50 GMT
References: <9003270810.AA13572@ucbvax.Berkeley.EDU>
Sender: news@wyse.wyse.com
Reply-To: pgraham@wyse.UUCP (PC-NFS Philip Graham x1124 #)
Organization: Wyse Technology
Lines: 37
Posted: Tue Mar 27 18:18:50 1990

In article <9003270810.AA13572@ucbvax.Berkeley.EDU> CSMSCST@OAC.UCLA.EDU (Chris Thomas) writes:
>Noted in the latest W6GO QSL list:
> V31BB - V31BB says he DOES NOT QSL; save your money
>
>Heard during the WPX 'test last weekend:
> V31BB - "Don't send me your stupid card. I don't want your
>   card. I don't want your stupid IRC's. I don't
>   want your money."
>
>(However, he has never been known to return either IRCs or money.)
>
He told me to QSL direct and I did... TWICE for different contacts... He
has never sent a QSL back, or the IRC's... A true $$#$%. I hope he chokes
on the equipment that he buys with this IRC's and Greenstamps that he keeps.

>IMHO, this guy gets the Jerk of the Year award. His problem
>is he is on a power trip. He gets his kicks from hearing
>people screamaing for him in pileups and begging for QSLs.
>Please don't add to his ego - next time you heard him on,
>work someone else.
>
He gets my vote...
In this last contest (CQ WW WPX) I heard him on and DID NOT WORK him..
I will never work him on any band, any mode. If he calls me I will ignore
him... I will not cause interferance to his operation (this lowers me to
his level), But I will never work him!

>Also heard: Some DX club has built a rent-a-QTH in Belize,
>so it should become real common. Wait and get your QSL from
>a real ham.

I got a QSL from V31DX just a week ago (posted this already). This Ham
said he was sorry for not sending a QSL sooner (it only took a month).
This Ham gets my vote for Mr. Nice!

DE KJ6NN
Phil

From 7715194772854099710
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 08:32:54 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!dvinci!weyr!katz
From: katz@weyr.FIDONET.ORG (sylvan katz)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Message-ID: <617.2610FC9A@weyr.FIDONET.ORG>
Date: 28 Mar 90 16:32:54 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 9
Posted: Wed Mar 28 17:32:54 1990

It seems that you anti-CW logic can be applied to ham radio in general. I suggest
that if use your underlying premises that we could make an argument for turning
all the amateur radio bands into Citizen's bands. Perhaps you might wish to
expound on this topic for awhile!
As I have said before if your really wish to use voice pick up the land line.

--
Sylvan Katz   Ham: VE5ZX
203 Ball Crescent   UUCP: alberta!dvinci!weyr!katz
Saskatoon, Sask   Internet: katz@weyr.FIDONET.ORG
Canada S7K 6E1   Ham bands: below 14.025/21.025/28.025 @ 0100-0300Z
(306) 934-3168

From -2469584058482397938
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1b1f7bcb47a73a9c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 08:45:27 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!mips!apple!
apple.com!aaker
From: aaker@apple.com (Mark Aaker)
Newsgroups: rec.ham-radio
Subject: Change your life...
Message-ID: <39890@apple.Apple.COM>
Date: 28 Mar 90 16:45:27 GMT
Sender: aaker@Apple.COM
Organization: Apple Computer Inc, Cupertino, CA
Lines: 16

Posted: Wed Mar 28 17:45:27 1990

John L. Broughton WB9VGJ writes:
"Remember, DXing is fun, but missing a rare one will not REALLY change your life."

Funny, after missing a rare one I usually end up with:

  a tired elbow or hoarse voice
  loss of hearing
  a warm heat sink
  larger electrical bills
  a neglected wife

  and a fierce determination not to miss them the NEXT time. :-)

Mark NT6G
aaker@apple.com

From 8804958515748905557
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a636f84b5155139b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 08:56:23 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!hplabs!hpfcso!hpfcdc!jle
From: jle@hpfcdc.HP.COM (Jer Eberhard)
Newsgroups: rec.ham-radio
Subject: Re: Yeasu FT-212 MODS
Message-ID: <7880138@hpfcdc.HP.COM>
Date: 28 Mar 90 16:56:23 GMT
References: <1820002@hpfelg.HP.COM>
Organization: HP Ft. Collins, Co.
Lines: 20
Posted: Wed Mar 28 17:56:23 1990

> / hpfcdc:rec.ham-radio / fisher@hpfelg.HP.COM (Doug Fisher) / 4:37 pm Mar 26, 1990 /
> Does anyone know the out-of-band mods for the
> Yeasu FT-212?
> ----------

Yes, stop by 1UP10, 15E, assuming you are in Fort Collins. (Just try and get this information from YA-HOO.) I'll even sell a 212 service manual.

Now what I really wanted to say. Sell it and by an ICOM-228A.
I'm much happier. The ICOM service people were much more reasonable
to deal with and the radio isn't such a lame duck (one of a kind).

I speak for me. I have had bad experiences with YA-HOO and will never, ever buy their equipment again.

```
Jer/ Eberhard, (SLASH), HAM = N0FZD | Hewlett-Packard - MS99, 1UP10, 15' East
CAP SAR Pilot, COMM,INST,CFI-GLIDER | 3404 East Harmony Road  (303) 229-2861
UUCP:hplabs!hpfcla!jle              | Fort Collins, Colorado  80525-9599
ARPA:jle%hpfcla@hplabs.HP.COM


From 706083637048798852
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,a82abbb23671b242,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,2643821d42f638a7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 09:16:12 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!ncar!tank!gargoyle!chinet!
megabyte
From: megabyte@chinet.chi.il.us (Dr. Megabyte)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: FM Citizen's Band? GMRS or GRMS?
Message-ID: <1990Mar27.183242.15156@chinet.chi.il.us>
Date: 27 Mar 90 18:32:42 GMT
Organization: Abacus Computers - You Can Count On Us
Lines: 11
Xref: gmdzi rec.ham-radio:10465 rec.radio.shortwave:773
Posted: Tue Mar 27 19:32:42 1990
Followup-To:rec.ham-radio

I have seen references to an FM Citizen's Band radio service refered to as
the GMRS or maybe the GRMS service.  This seems not to be the 11 meter
Citizen's Band Radio Service, as that is limited to AM and SSB.

I don't think this is a part 15 type service either, can anyone shed any
light on what it is I keep seeing references to?
--
Mark E. Sunderlin: IRS Technocrat in Winchester, VA
 aka Dr. Megabyte: megabyte@chinet.chi.il.us  (703) 667-5203
"Welcome to my fog! There's room for you, to come right in.
 Welcome to my fog......  I guess?!"


From -138797477067687213
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fe990dd2c881c667
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,fe990dd2c881c667
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-03-28 09:22:59 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!rpi!
sci.ccny.cuny.edu!phri!roy
From: roy@phri.nyu.edu (Roy Smith)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: Help needed for WWV literature
Keywords: WWV, Time Broadcast Services
```

```
Message-ID: <1990Mar28.172259.12682@phri.nyu.edu>
Date: 28 Mar 90 17:22:59 GMT
References: <27019@ut-emx.UUCP>
Sender: news@phri.nyu.edu (News System)
Organization: Public Health Research Institute, New York City
Lines: 16
Xref: gmdzi rec.ham-radio:10492 sci.electronics:5947
Posted: Wed Mar 28 18:22:59 1990

In article <27019@ut-emx.UUCP> chju366@ut-emx.UUCP writes:
> NBS Special publication No. 236 [...] talks at length about getting
> WWV and using it to set your clocks and check your freq.

     I called NBS/NTIS (301-975-3058) and asked for this.  Apparantly
that document is out of date; the replacement is NBS Special Publication
432.  The very nice woman I spoke to offered to send me one.  She was so
nice and so efficient on the phone, it was hard to believe I was actually
talking to somebody at a government agency (actually, I have found that
many government agencies, such as NSF and NIH, are populated by nice,
efficient people; the IRS and motor vehicles, on the other hand...)
--
Roy Smith, Public Health Research Institute
455 First Avenue, New York, NY 10016
roy@alanine.phri.nyu.edu -OR- {att,philabs,cmcl2,rutgers,hombre}!phri!roy
"My karma ran over my dogma"


From 895896828334744585
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 09:40:11 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
usc!apple!amdahl!twg.com!obelix!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Message-ID: <905@gollum.twg.com>
Date: 28 Mar 90 17:40:11 GMT
References: <9003051529.AA05504@pelham.med.unc.edu> <7880136@hpfcdc.HP.COM>
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 34
Posted: Wed Mar 28 18:40:11 1990

In article <7880136@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>
>While I'm not a VE, the guys I've taken tests from wouldn't mind the
>verbatim dot-dash copy and translation.  Also, if the OM understands
>binary trees, ... make up a balanced btree, assigning dits and dahs, then
>create a silly saying to remember the tree.
>        E                  T
>    I        A         N        M
>   S        U      R         W      D       K        G      O
>  H  V     F *    L  *       P J   B X     C Y      Z Q    * *
>
```

>Something like "Extra Terrestrials In A New Mexico Sun Use Running
>Water (for) DrinKinG Or HaVing Fun."

Thanks for making my day! Although cute, this is approximately the dumbest idea I've heard all week. No personal offense intended, but I think the writer is doing a disservice to potential new hams here. I am a VE, and I have seen a few guys try to write down dots and dashes and then translate after the test was over. Not one of them ever passed. They always get balled up trying to write the last string of dots & dashes while the next letter comes at them. The result is an untelligible mess. But now I can't wait to see some guy sitting there trying to remember his 26-word mnemonic string to reconstruct his binary tree from memory!!!

Let's relegate this myth about how some people CANNOT learn code to the same scrap heap that I hope most of us have used to discard the notion that some people CANNOT learn math. When people supposedly competent in a particular skill pass around the myth that some people are absent the capability of learning that skill, we give them a crutch that turns into a disabling handicap. Witness the whining over the code requirement that occupies about half the bandwidth of this forum. It comes from the same group that thinks they should get 3 hours credit for a full semester course in C.

AA6KX

From 8977466380017032697
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f35daeb8b9c04cf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 09:56:45 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!pasteur!helios.ee.lbl.gov!nosc!cod!medin
From: medin@cod.NOSC.MIL (Ted Medin)
Newsgroups: rec.ham-radio
Subject: Re: Wild accusations against MFJ?
Message-ID: <1841@cod.NOSC.MIL>
Date: 27 Mar 90 20:40:22 GMT
References: <118@gizzmo.UUCP> <7120111@hpcupt1.HP.COM>
Reply-To: medin@cod.nosc.mil.UUCP (Ted Medin)
Organization: Naval Ocean Systems Center, San Diego
Lines: 8
Posted: Tue Mar 27 21:40:22 1990

Ok here is my 2 cents also, have one of their tuners that fried a pot (probably my fault, new rig & new ham) returned it and they took my word for it that it was still in warranty (sp? it was). They fixed it and i now have over a year on it. My opinion - it does the job, the price is fair & the service is gud.

73, ted
n6trf

From -8705445492635923298
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ad6eb992739eae2d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 10:55:02 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.nstar.com (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: CODE vs NO-CODE
Message-ID: <FqBRg1w161w@w8grt.nstar.com>
Date: 28 Mar 90 18:55:02 GMT
References: <Q13++8B@splut.conmicro.com>
Organization: QRV de W8GRT
Lines: 23
Posted: Wed Mar 28 19:55:02 1990

jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard) writes:

> In article <a1ckg1w161w@w8grt.nstar.com> jgrubs@w8grt.nstar.com (Jim Grubs) w
> >Let's drop the argument. Code can be useful. Code can be fun for those who
> >like it. Big deal! That does not by itself make it necessary to require
> >testing on code proficiency on VHF only licenses. Noone is going to change
> >anyone else's mind on those points.
> >
> >But NPRM 90-55 is up for consideration and comment. It seems almost 100%
> >certain to be approved. Let us therefore limit our arguing to the more
> >constructive issues of how best to implement no-code. Pax?
>
> To the guy who suggested a rec.ham-radio.debate group: it was suggested
> before, and that generated the HAMLICEN mailing list. It was taken over
> almost completely by the anti-code types, and while I continue to read
> it, I won't contribute to it - I can't afford to replaced a modem that's
> been flamed to a crisp.

Jay, you're living up to both your monicker and your tag line again.
You are deliberately distorting the attitude of HAMLICEN participants.
None of us are "anti-code" - just against requiring it for all license
exams for VHF-only licenses. <sigh>

From 1992993815416620351
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ad6eb992739eae2d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 10:59:33 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!mailrus!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs

From: jim.grubs@w8grt.nstar.com (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: CODE vs NO-CODE
Message-ID: <yXBRg2w161w@w8grt.nstar.com>
Date: 28 Mar 90 18:59:33 GMT
References: <30500475@ux1.cso.uiuc.edu>
Organization: QRV de W8GRT
Lines: 15
Posted: Wed Mar 28 19:59:33 1990

phil@ux1.cso.uiuc.edu writes:

>
> > > I have already come up with NINE alternatives to the 90-55 proposal, and
> > > plan to include them all in my comments. I also suspect that 90-55 will
> > > exceed even 87-14 in the total volume of comment filings.
> >
> > I plan to propose adoption of the Canadian Plan as is except for
> > modification of the homebrewing restrictions.
>
> That's one of the nine and in fact its the first one.

Tell us more.

/s/ Jim

From -4373364094341467766
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4a3cc36a61d17d5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 11:04:24 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.nstar.com (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Field Day 1990
Message-ID: <26BRg3w161w@w8grt.nstar.com>
Date: 28 Mar 90 19:04:24 GMT
References: <592@ssc.UUCP>
Organization: QRV de W8GRT
Lines: 22
Posted: Wed Mar 28 20:04:24 1990

tad@ssc.UUCP (Tad Cook) writes:

>
> Gee, the SUN came out the other day, and I got to daydreaming about...
>
> FIELD DAY!
>
> Anyone have any neat plans for this year?
>

>
> Tad Cook
> Seattle, WA
> Packet: KT7H @ N7HFZ.WA.USA.NA
> Phone: 206/527-4089
> MCI Mail: 3288544
> Telex: 6503288544 MCI UW
> USENET:...uw-beaver!sumax!amc-gw!ssc!tad
> or, tad@ssc.UUCP

In the center court of the most popular shopping mall in town. Great for public relations - inside the family and outside.

From -6316894414731629896
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11a0650d509debc2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 11:16:14 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!hplabs!hpda!hpcupt1!bmp
From: bmp@hpcupt1.HP.COM (Brian M. Perkin)
Newsgroups: rec.ham-radio
Subject: Re: The BEST scanner antenna!
Message-ID: <7120112@hpcupt1.HP.COM>
Date: 28 Mar 90 19:16:14 GMT
References: <1222@lopez.UUCP>
Organization: Hewlett Packard, Cupertino
Lines: 10
Posted: Wed Mar 28 20:16:14 1990

I am confused, I thought the 5094 was made by Channel Master.

I've got a 5094A from Channel Master and I concur. Somedays
I turn the attenuator on cause I'm picking up too much stuff.

Brian Perkin
N6RSW

P.S. Even though it is not in its specs, it does extremely
well at 243.00 Mhz.

From -1727264396375579421
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a3ffc998e48eadd9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 11:20:06 PST
Path: gmdzi!unido!mcsun!uunet!samsung!think!bbn!mephisto!udel!udccvax1!sun.acs.udel.edu!rambo
From: rambo@sun.acs.udel.edu (Douglas E Rambo)
Newsgroups: rec.ham-radio

Subject: QSL HELP NEEDED
Message-ID: <9601@sun.acs.udel.edu>
Date: 28 Mar 90 19:20:06 GMT
Organization: University of Delaware
Lines: 14
Posted: Wed Mar 28 20:20:06 1990

I'm looking for some help in getting QSL cards from the following stations
worked by my father, W3LQE, in the past.

5Z4TA in April 1987 ... this station is not in the 1990 Callbook.
8Q7MT via JI1DBQ ... JI1DBQ is not in the 90 callbook either.

Any help would be greatly appreciated. A t D h V a A n N k C s E

73's de KA3KHZ

Doug Rambo KA3KHZ
Univ. of Delaware Class of '92 (hopefully)
2 Meter Meteor Scatter Skeds upon Request... (302) 798-4163
FM29 ... one of those "overpopulated" grids.

From -5105292673545252111
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3bc6715862abf2d4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 12:13:48 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!uflorida!haven!
decuac!shlump.nac.dec.com!krypton.arc.nasa.gov
From: eustace@krypton.arc.nasa.gov (Joe Eustace)
Newsgroups: rec.ham-radio
Subject: Hamerlund Radio for sale... Still works great.
Message-ID: <9712@shlump.nac.dec.com>
Date: 28 Mar 90 20:13:48 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Aeroflightdynamics Directorate
Lines: 11
Posted: Wed Mar 28 21:13:48 1990

Joe Eustace   eustace@medusa.enet.dec.com
or
eustace%medusa.enet.dec.com@decwrl.dec.com

The opinions expressed in my posting are totally mine and do not
reflect the opinions of my employer !

I have a 1936 Hamerlund radio for sale... complete with manuals and parts list.
The radio works fine.... Last week I was listening to Radio Toyko...
They just don't build 'em like that anymore...

From -6018102131248207392
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2da44315ec19c738
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 12:18:16 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!dvinci!weyr!katz
From: katz@weyr.FIDONET.ORG (sylvan katz)
Newsgroups: rec.ham-radio
Subject: re: CW and the handicapped
Message-ID: <618.261126D7@weyr.FIDONET.ORG>
Date: 28 Mar 90 20:18:16 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 8
Posted: Wed Mar 28 21:18:16 1990

Compassion has to be the first rule for all human endeavours. The problem is not with Morse Code but rather with the systems. This answer should have been obvious!

```
--
Sylvan Katz             Ham: VE5ZX
203 Ball Crescent       UUCP: alberta!dvinci!weyr!katz
Saskatoon, Sask         Internet: katz@weyr.FIDONET.ORG
Canada S7K 6E1          Ham bands: below 14.025/21.025/28.025 @ 0100-0300Z
(306) 934-3168
```

From 5270752481176891548
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e0aa1c4f9f61046d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 12:26:28 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!cica!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jgrubs
From: jgrubs@w8grt.nstar.com (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW Speed
Message-ID: <TyFRg1w161w@w8grt.nstar.com>
Date: 28 Mar 90 20:26:28 GMT
References: <21296@bellcore.bellcore.com>
Organization: QRV de W8GRT
Lines: 19
Posted: Wed Mar 28 21:26:28 1990

karn@ka9q.bellcore.com (Phil Karn) writes:

> In article <9003231820.AA29999@ti.com> dube@cpdvax.csc.ti.com (DUBE TODD)
> > I submit that MOST of the arguments that have been presented in
> >opposition to the CW requirement could JUST AS EASILY be applied to any othe
> >entrance requirement, including examinations. Just plug in your favorite
> >hang-up in place of "CW" in all the preceding arguments and see how it comes
> >out.
>
> In my opinion, the popularity of this argument shows that American amateur

> radio is in serious trouble.
>
> In response to your likely rejoinder ("But wait! What about people who are
> interested only in public service?") I would say two things. First, the
> amount of public service traffic carried by CW is nil;

With all do respect, the NTS traffic nets on CW are quite active and important. Packet networks will no doubt change that but they have not yet.

From -2951532387088012980
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f35daeb8b9c04cf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 12:58:42 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!brutus.cs.uiuc.edu!psuvax1!psuvm!mls129
From: MLS129@psuvm.psu.edu (Michael L. Sensor)
Newsgroups: rec.ham-radio
Subject: Re: Wild accusations against MFJ?
Message-ID: <90087.155842MLS129@psuvm.psu.edu>
Date: 28 Mar 90 20:58:42 GMT
References: <118@gizzmo.UUCP> <12815@csli.Stanford.EDU>
Organization: Penn State University
Lines: 13
Posted: Wed Mar 28 21:58:42 1990

Hm... I'm amazed by all of the garbage about MFJ. I have been using a Versa Tuner III for about 6 years now and it has never given out. The same goes for my 1274B.

Just because MFJ isn't a "big-name" company and doesn't package or advertise its products in a very slick manner doesn't mean that it's not a good brand. At least some of their stuff is made in the US!

--Mike Sensor KD3LR
Penn State Univ. -- Altoona Campus
Altoona PA
SIGNATURE FILE AUTO=off
]]>>1 MLS129 @ PSUVM

From 5448488788918541172
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,24ecd6d12aafae8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 13:48:18 PST
Path: gmdzi!unido!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: QEX and other Ham mags.

Message-ID: <1250138@hpnmdla.HP.COM>
Date: 28 Mar 90 21:48:18 GMT
References: <3290@optilink.UUCP>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 29
Posted: Wed Mar 28 22:48:18 1990

Paul
  HR seems to have more consistent technical representation but like
the other mags is subject to the "NiCad battery charger syndrome"
(actually this month in HR it was a NiCad *dis*charger). QEX is Paul
Rinaldo's (w4ri) baby and has been struggling since most of the
solid technical authors don't want to publish there due to the lack of
circulation. QST pages seem to be at a premium and there is a tremendous
battle over them, you can see which priorities win. HR and CQ
(which generally seems non-technical) do seem to have the better
international coverage and availability.
  I've chosen HR for my last few articles because of their willingness
to publish and international availablility.
  I think the bottom line is that the magazines tend to try to appeal
to the lowest common denominator for sales and aren't especially
interested in technical articles, per se.
  I'm afraid they are suffering from the same problem as the
hobby as a whole, a general lack of relevance to the information age.

BTW, what's your qth? It looks like we are pretty close.

I e-mailed this but optilink doesn't recognize you!

Glenn Elmore -N6GN-
(near Santa Rosa, about 2 miles west of Fulton road at West 3rd)

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@hpnmd.hp.com

From -7847856793666170076
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 14:26:21 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!samsung!cs.utexas.edu!
mailrus!ncar!tank!pbhx
From: pbhx@tank.uchicago.edu (Peter B. Hayward)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Message-ID: <8147@tank.uchicago.edu>
Date: 28 Mar 90 22:26:21 GMT
References: <30500462@ux1.cso.uiuc.edu> <23652@usc.edu>
<1990Mar24.200449.22052@Neon.Stanford.EDU>
<1990Mar28.060557.29706@agate.berkeley.edu>

Organization: University of Chicago
Lines: 34
Posted: Wed Mar 28 23:26:21 1990

In article <1990Mar28.060557.29706@agate.berkeley.edu>
donahn@gypsum.berkeley.edu (Don Ahn) writes:
::
::CW is one skill that is in the potentially useful category. It is not
::a "totally useless" skill. Witness the fact that most repeaters/ and beacons
::ID with it. Along with is heavy use in ship-to-shore/satellite communications.
::An "archaic and useless" skill? I don't think so. You can't get away from
::CW -- on any of the ham bands.
::
::Irregardless, I'm not interested in cramming CW down anyone's throat, just
::in keeping the door open, something that I think the 5wpm test does well.
::Most of you must have realized that you don't really have to "know" CW
::to pass the multiple guess test at the VEC. In fact, I think all that it
::can be said the 5wpm test "guarantees" is that you can tell dots from dashes,
::keeping your options open to learn CW if it appeals to you.
::
::I really can't see how anyone can be against such an innocuous little 5wpm
::test -- especially in its current multiple guess incarnation.

It is my impression that *most* countries do not require 20 WPM for a class of license. If memory serves me right, the UK requires 12, other countries require 7 or 8 tops. Why, then, do we go through the foolishness of requiring 20?

Perhaps Don has hit the nail on the head. Let's petition that the code requirement for *all* licenses be dropped to 5 WPM (or 8 - 10 if you want to stretch it a bit), and then let's ask that the theory exams stress the type of stuff that people really need to know on the air.

--

Peter B. Hayward   N9IZT
University of Chicago Computing Organizations
pbhx@tank.uchicago.edu   ....mimsy!oddjob!tank!pbhx

From 6361336875503276703
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2cc7d0d6a07cf474
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 14:32:38 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!asuvax!ncar!mephisto!mcnc!decvax!virgin!zinn!ubbs-nh!noel
From: noel@ubbs-nh.MV.COM (N. Del More)
Newsgroups: rec.ham-radio
Subject: Re: Control program for TS440
Message-ID: <4372@ubbs-nh.MV.COM>
Date: 28 Mar 90 22:32:38 GMT

References: <185@brandy.UUCP>
Reply-To: noel@ubbs-nh.MV.COM (N. Del More)
Organization: Business Integration & Office Systems - Nashua, NH
Lines: 19
Posted: Wed Mar 28 23:32:38 1990

In article <185@brandy.UUCP> mark@brandy.UUCP (mark hilliard) writes:
>
>Does any one out there have a UNIX based control program for the
>Kenwood TS440? I am running 386ix and would rather run a control
>program from UNIX rather than from VPIX.

I'd be interested in this as well. Additionally, I'd like to get my
hands on a decent packet/rtty/etc and logging programs that run under
Unix/Xenix.

VP/ix is ok, but I'd much rather run them in "native" mode.

Noel
KC1RB

--
Noel B. Del More | decvax!ubbs-nh!noel
17 Meredith Drive | noel@ubbs-nh.mv.com
Nashua, New Hampshire 03063 | It's unix me son! `taint spozed tah make cents

---

From 8662630036974723650
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2f57f24093e235ac,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,2f57f24093e235ac,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,2f57f24093e235ac,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-03-28 14:44:09 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!hrc!valley!pfluegerm
From: pfluegerm@valley.UUCP (Mike Pflueger)
Newsgroups: rec.ham-radio.packet,rec.ham-radio,rec.radio.shortwave
Subject: Packet(?) on commercial bands
Message-ID: <4978b8cc.15840@valley.UUCP>
Date: 28 Mar 90 22:44:09 GMT
Organization: AG Communication Systems
Lines: 18
Xref: gmdzi rec.ham-radio.packet:1969 rec.ham-radio:10517 rec.radio.shortwave:800
Posted: Wed Mar 28 23:44:09 1990

The local (Phoenix) police and fire use some packet-like mode to communicate
with computers in the vehicles, and my PK-232 signal analysis mode is unable
to figure it out. I've also tried quite a few combinations manually, to no
avail.

Sounds like about 2400 baud, and it's bursty like packet.

If anyone else figured out what formats commercial systems use, could you
please post them or email them.

Thanks

--
Mike Pflueger @ AG Communication Systems (formerly GTE Comm. Sys.), Phoenix, AZ
  UUCP: {...!ames!ncar!noao!asuvax | uunet!hrc | att}!gtephx!pfluegerm
  Work: 602-582-7049   FAX: 602-581-4850
Packet: WD8KPZ @ W1FJI   Internet: PLEASE USE UUCP PATH (NOT INTERNET)!

From 3652780146514654275
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,622a40073bacba4e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 14:51:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!know!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Code vs No-Code
Message-ID: <30500485@ux1.cso.uiuc.edu>
Date: 28 Mar 90 22:51:00 GMT
References: <9003261758.AA23970@ti.com>
Lines: 12
Nf-ID: #R:<9003261758.AA23970@ti.com>:-27:ux1.cso.uiuc.edu:30500485:000:310
Nf-From: ux1.cso.uiuc.edu!phil   Mar 28 16:51:00 1990
Posted: Wed Mar 28 23:51:00 1990

>From: jim.grubs@w8grt.nstar.com
> Tell us more.
>
> /s/ Jim

Sorry, Jim, but your new e-mail address bounces as "host unknown"
and without a signature, I'll have to go extract your old address
(which I assume still works) from the HAMLICEN mailing list file.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From 4895054158788769584
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 16:14:22 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!
CISCO.COM!faunt

From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: Increasing CW speed
Message-ID: <9003290807.AA08291@ucbvax.Berkeley.EDU>
Date: 29 Mar 90 00:14:22 GMT
References: <8147@tank.uchicago.edu>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 2
Posted: Thu Mar 29 01:14:22 1990

Is there any justification for requiring the punctuation and prosigns
on the test?

From 4826140531833845760
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 17:07:01 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!
jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Message-ID: <eysRg1w161w@w8grt.fidonet.org>
Date: 29 Mar 90 01:07:01 GMT
References: <617.2610FC9A@weyr.FIDONET.ORG>
Organization: QRV de W8GRT
Lines: 11
Posted: Thu Mar 29 02:07:01 1990

katz@weyr.FIDONET.ORG (sylvan katz) writes:

> It seems that you anti-CW logic can be applied to ham radio in general. I sug
> As I have said before if your really wish to use voice pick up the land line.

Nobody is anti-CW. Nobody wants to abolish CW anywhere on any band. The
only thing anyone want to do away with is making code proficiency the sine
qua non on VHF and up.

You may now join the growing list of people who totally missed the point to
the discussion.

From -7689194055553778997
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e15c61eb4db4f1d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 17:37:38 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu

Newsgroups: rec.ham-radio
Subject: Re: Increasing CW Speed
Message-ID: <30500482@ux1.cso.uiuc.edu>
Date: 29 Mar 90 01:37:38 GMT
Lines: 42
Nf-ID: #R:<9003250020.AA12799@tecnet1.jcte:-41:ux1.cso.uiuc.edu:30500482:000:2438
Nf-From: ux1.cso.uiuc.edu!phil   Mar 28 16:11:00 1990
Posted: Thu Mar 29 02:37:38 1990

1. The argument about the requirements for admission or graduation in college is not a good one. There are a lot of colleges around that have different and/or fewer such requirements. If you don't like the requirements at the one you are now in, transfer. If you can't get in this one, apply to that one. In education you do have a choice. If you have a problem with the lesser reputation of the schools that don't require calculus, english, and foreign languages, then I suggest you think about WHY the better schools have their reputations. If you were an employer, which school would YOU hire graduates of?

2. In Amateur radio you don't have much of a choice. CB doesn't get you anywhere (it's equivalent to the choice of NOT attending school). That's not to say that CB'ers are bad; I know some CB'ers who are good people. To get a ham radio license, you must pass certain tests; there is no alternative.

3. Knowing Morse Code does not improve one's operating skills on VHF frequencies anywhere near what it did many years ago on HF. Code is still popular on HF, and you would be a more rounded operator if you do know code when operating HF. But we (no coders) are talking about VHF (see #4) and above.

4. Most HF bands are now OVERCROWDED. Most VHF/UHF/SHF bands are way under occupied. Only 2 meters appears to have some significant usage in many parts of the country, but no where near that of the big 5 HF bands. The other "centimeter" bands are very sparsely occupied if at all. The numbers are needed on VHF/UHF/SHF and not on HF. We would not have this problem (and would not need a no code license class) if half the HF operators would start doing their primary operating on 220 Mhz and above. Come on guys, move on up in the world.

5. It used to be of benefit to THE PUBLIC to encourage knowing the Morse Code operating skill, because there was a demand for such radio operaters in various other services such as Maritime and Military. These demands and being phased out in favor of computer operating skills, which is what we should be encouraging next. The very reason for having a CW test in the earlier days of ham radio can be applied to require a COMPUTER TEST today (but we won't go so far). Just ask the DoD what they need.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

```
From -4296006302256829116
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e15c61eb4db4f1d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 17:40:12 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!
zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!
phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW Speed
Message-ID: <30500484@ux1.cso.uiuc.edu>
Date: 29 Mar 90 01:40:12 GMT
Lines: 23
Nf-ID: #R:<9003250020.AA12799@tecnet1.jcte:-41:ux1.cso.uiuc.edu:30500484:000:287
Nf-From: ux1.cso.uiuc.edu!phil    Mar 28 16:47:00 1990
Posted: Thu Mar 29 02:40:12 1990


> Can I put melted Velveeta on the broccoli?  :-)

Sure, if I can have mine with Chinese spices.

> p
> o
> s
> t
>
> p
> r
> o
> g
> r
> a
> m
> -> needs these lines.

Ah... one of those "you included more than you posted" thingys, eh?

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>


From 3376760615717498708
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e15c61eb4db4f1d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 17:40:33 PST
Path: gmdzi!unido!mcsun!uunet!samsung!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW Speed
```

Message-ID: <30500483@ux1.cso.uiuc.edu>
Date: 29 Mar 90 01:40:33 GMT
Lines: 29
Nf-ID: #R:<9003250020.AA12799@tecnet1.jcte:-41:ux1.cso.uiuc.edu:30500483:000:1421
Nf-From: ux1.cso.uiuc.edu!phil   Mar 28 16:44:00 1990
Posted: Thu Mar 29 02:40:33 1990

>From: VE5ZX
> It seems that you anti-CW logic can be applied to ham radio in general.
> I suggest that if use your underlying premises that we could make an
> argument for turning all the amateur radio bands into Citizen's bands.
> Perhaps you might wish to expound on this topic for awhile!
> As I have said before if your really wish to use voice pick up the land line.

First of all, I reformatted your message since the first 4 lines above were actually typed in a one big long line, which also means the people getting your message via INFO-HAMS lost much of it. The lines need to be kept under 80 columns for some parts of the network.

Ham radio is something entirely different from the land line. Would you still say "pick up the land line" if it went dead, or was overloaded, or the computers running it crash (again)?

CB is a "land mobile" type service intended for letting ordinary people have access to communications while mobile. With today's cellular phones, CB could not be justified if it were being created today.

Ham radio and CB a very different. People do not do technical experimentation on CB (legally). Ham bands are for that. At least here in the US we at least pay some lip service in the rules to the ideas of advancing the state of the art. Some of us are trying to re-establish ham radio's FIRST tradition of invention and creation.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From 4695730648211560448
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,638b6f16b32ef32a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,638b6f16b32ef32a
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-03-28 18:07:30 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: stacking yagis
Keywords: stack yagi urk
Message-ID: <23772@usc.edu>
Date: 29 Mar 90 02:07:30 GMT

References: <1839@kannel.lut.fi>
Sender: news@usc.edu
Followup-To: rec.ham-radio
Distribution: rec
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 25
Xref: gmdzi rec.ham-radio:10513 rec.ham-radio.packet:1968
Posted: Thu Mar 29 03:07:30 1990

In article <1839@kannel.lut.fi> junki@kannel.lut.fi (Juha Nurmela) writes:
>yanaa:
>I've got two 70 cm yagis and i wonder what would be
>the best stacking distance, with maximum gain in mind.
>
>The antennae (:-)) are made according to the schema
>in ARRL antenna book:
> 70 cm, 15 elements each, boom len about 3 meters.
>
>Thanks for any advice,
>juha nurmela, oh5nxo, junki@kannel.lut.fi

If these were commercial antennas, I would advise you to contact the manufacturer. They should have this information.

Since these antennas are probably home-made, I would recommend that you check out some of the articles published in the literature. You should be able to find two or three good articles in Ham Radio Magazine, from the middle 80's. Unfortunately, my mags are 2600 miles away, so I can't give you a better reference.

You didn't say if you wanted to stack them in the E-plane or the H-plane.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

---

From 6426222751412837838
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,178c57070aad864e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 18:19:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!torsqnt!tmsoft!masnet!canremote!dean.milner
From: dean.milner@canremote.uucp (DEAN MILNER)
Newsgroups: rec.ham-radio
Subject: Re: Phone Frequencies
Message-ID: <90033012503034@masnet.uucp>
Date: 29 Mar 90 02:19:00 GMT
Organization: Canada Remote Systems Limited, Mississauga, ON, Canada
Lines: 20
Posted: Thu Mar 29 03:19:00 1990

To: ormsby@ohstpy.mps.ohio-state.edu

%Can anyone tell me what are some characteristic frequencies that the
%following operate on:
%   1.)Cellular phones
%   2.)Cordless phones
%I have monitored High Seas Ship/Shore, but have nevered monitored
%other phone calls below 30 Mhz.

Cellular is in the mid to upper 800 MHz band. Cordless generally are
around 48 MHz.

Note that while marine ship to shore is regarded as HF public traffic
these are strict regulations about monitoring private radio telephone
connections.

73, Dean VE1CBF

 ~ EZ-Reader 1.21 ~ He who can follow only his own will is a king
 ~ QNet 2.04: :NANet: MUI Sydney, N.S. Cape Breton Regional (902) 564-5022

From -2975639695482294515
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,178c57070aad864e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 18:19:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!torsqnt!
tmsoft!masnet!canremote!dean.milner
From: dean.milner@canremote.uucp (DEAN MILNER)
Newsgroups: rec.ham-radio
Subject: Re: Phone Frequencies
Message-ID: <90033012503012@masnet.uucp>
Date: 29 Mar 90 02:19:00 GMT
Organization: Canada Remote Systems Limited, Mississauga, ON, Canada
Lines: 20
Posted: Thu Mar 29 03:19:00 1990

To: ormsby@ohstpy.mps.ohio-state.edu

%Can anyone tell me what are some characteristic frequencies that the
%following operate on:
%   1.)Cellular phones
%   2.)Cordless phones
%I have monitored High Seas Ship/Shore, but have nevered monitored
%other phone calls below 30 Mhz.

Cellular is in the mid to upper 800 MHz band. Cordless generally are
around 48 MHz.

Note that while marine ship to shore is regarded as HF public traffic
these are strict regulations about monitoring private radio telephone
connections.

73, Dean VE1CBF

 ~ EZ-Reader 1.21 ~ He who can follow only his own will is a king
 ~ QNet 2.04: :NANet: MUI Sydney, N.S. Cape Breton Regional (902) 564-5022

From -6275442520467814179
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,638b6f16b32ef32a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,638b6f16b32ef32a
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-03-28 18:19:39 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: stacking yagis
Keywords: stack yagi urk
Message-ID: <23773@usc.edu>
Date: 29 Mar 90 02:19:39 GMT
References: <1839@kannel.lut.fi>
Sender: news@usc.edu
Followup-To: rec.ham-radio
Distribution: rec
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 18
Xref: gmdzi rec.ham-radio:10509 rec.ham-radio.packet:1966
Posted: Thu Mar 29 03:19:39 1990

In article <1839@kannel.lut.fi> junki@kannel.lut.fi (Juha Nurmela) writes:
>I've got two 70 cm yagis and i wonder what would be
>the best stacking distance, with maximum gain in mind.
>juha nurmela, oh5nxo, junki@kannel.lut.fi

More info about stacking antennas:

The stacking distance strongly depends upon the gain of the antennas.

You also didn't specify what you were looking for. Do you want maximum gain? Do you want a clean pattern? In which plane?

In general, I usually recommend stacking at just a short distance less than the max_gain_distance. This will reduce the gain only marginally, but clean up the pattern significantly. Sorry, but my literature is 2600 miles away, so I can't give any quantitative information.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From 7794062497183101516
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8efea098bcaeb099,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 19:31:02 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!zaphod.mps.ohio-state.edu!van-bc!ubc-cs!alberta!ccu!umrose05
From: umrose05@ccu.umanitoba.ca (Dave Rose)
Newsgroups: rec.ham-radio
Subject: Interested...
Message-ID: <1990Mar29.033102.23763@ccu.umanitoba.ca>
Date: 29 Mar 90 03:31:02 GMT
Sender: umrose05@ccu.umanitoba.ca (Dave Rose)
Organization: University of Manitoba, Winnipeg, Canada
Lines: 25
Posted: Thu Mar 29 04:31:02 1990

It looks like this is a good place to post this message.

I am quite interested in getting into ham.

I have been CB'ing for a while and have grown real bored of it...I then got into "bootlegging" the dx'ing with an out of frequency radio, and now have decided to get into ham.

The only problem is, I have no idea even where to start...I was wondering if anyone out there on the Canadian side (no offence, but I think Canada is different than the U.S.A) that could offer some information to me.

Just the basic stuff, such as what it takes to become the Class C Novice and what band restrictions there are etc...

Thanks in advance...

Dave (DR70)
.

--

```
Dave Rose                 :          Email - Umrose05@ccu.UManitoba.CA
10 Covent Rd.             : Local (Amdahl) - #Rose05@ccm.UManitoba.CA
Winnipeg, Manitoba, Canada:
```

From 7689867788952824093
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11a0650d509debc2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 20:07:49 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!hplabs!hpl-opus!hpnmdla!hpsad!mikew
From: mikew@hpsad.HP.COM (Mike Weihman)
Newsgroups: rec.ham-radio
Subject: Re: The BEST scanner antenna!
Message-ID: <1530042@hpsad.HP.COM>

Date: 29 Mar 90 04:07:49 GMT
References: <1222@lopez.UUCP>
Organization: HP Signal Analysis Div - Rohnert Park, CA
Lines: 28
Posted: Thu Mar 29 05:07:49 1990

> From: flash@lopez.UUCP (Gary Bourgois):

> There is one of those three left, and it is MINE. My second MOTOROLA
> MONITENNA Model # 5094 goes up 40 feet SUNDAY....
>
> This is one fine antenna....

What does the thing look like? Can you identify what kind of antenna
it is? Do they mention specific purported gain figures? I'm curious
what this is that makes it so good.

...could I build one easily myself...?

-mike

```
**********************************************************
Mike Weihman                    n1dje:    RACES, CDF-VIP
mikew@hpsadmjw.hp.com
mikew%hpsad@hp-sde.sde.hp.com

Hewlett-Packard Co.             Volunteer firefighter/EMT
Signal Analysis Div.            Penngrove Fire Prot. Dist.
1212 Valley House Dr.           Penngrove, CA
Rohnert Park, CA 94928
(707)794-4454
**********************************************************
```

From 3841795395930964449
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 109f45,1404971899d526a1,start
X-Google-Attributes: gid109f45,public
X-Google-Thread: 10c9e3,1404971899d526a1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,1404971899d526a1,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 104158,1404971899d526a1,start
X-Google-Attributes: gid104158,public
X-Google-Thread: f8421,1404971899d526a1,start
X-Google-Attributes: gidf8421,public
X-Google-Thread: 10ec46,1404971899d526a1,start
X-Google-Attributes: gid10ec46,public
X-Google-ArrivalTime: 1990-03-28 21:05:17 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
math.lsa.umich.edu!sharkey!lopez!arf

From: arf@lopez.UUCP (Jack Schmidling)
Newsgroups:
talk.politics.misc,talk.politics.mideast,soc.rights.human,misc.headlines,rec.radio.shortwave,rec.ham-radio
Subject: ARF GUESTS
Keywords: Amateur Radio Forum, guest lineup
Message-ID: <1228@lopez.UUCP>
Date: 29 Mar 90 05:05:17 GMT
Followup-To: talk.politics.misc
Organization: Great White North/UPLink, Marquette, MI
Lines: 39
Xref: gmdzi talk.politics.misc:1333 talk.politics.mideast:476 soc.rights.human:438 misc.headlines:682 rec.radio.shortwave:799 rec.ham-radio:10516
Posted: Thu Mar 29 06:05:17 1990

ARF GUESTS

On Mar 29, our guest on the Amateur Radio forum will be Jay Miller from the ACLU. In addition to discussing the ACLU in general, the main topic will be legalization of drugs.

On Apr 05, our guest will be Jerry Levin, former hostage and CNN bureau chief. Jerry's experiences as a hostage and his criticism of American policy concerning hostages will be discussed.

Our guest last week was Wayne Heimbach from Amnesty International. AI's position on the death penalty generated a very spirited debate.

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                > / * \ <
               /  |   |  \
                  | A |
                  | R |               THE LIGHTHOUSE OF
                  | F |              WISDOM  AND  TRUTH
              ____|   |____
             |   Amateur   |
         ____| Radio  Forum|____          arf@lopez
        / Thurs 09:PM  3950 KHZ \
        | Sat   10:AM 14313 KHZ |
        |______ N R 9 Q ________|   Times are Local Central


                     NEVER VOTE FOR THE INCUMBENT!!!!!
```

From 7582098222348640213
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2643821d42f638a7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-28 23:50:32 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!usc!apple!well!techie
From: techie@well.sf.ca.us (Bob Vaughan)
Newsgroups: rec.ham-radio
Subject: Re: FM Citizen's Band? GMRS or GRMS?
Message-ID: <16928@well.sf.ca.us>
Date: 29 Mar 90 07:50:32 GMT
References: <1990Mar27.183242.15156@chinet.chi.il.us>
Reply-To: techie@well.sf.ca.us (Bob Vaughan)
Organization: Whole Earth 'Lectronic Link, Sausalito, CA
Lines: 34
Posted: Thu Mar 29 08:50:32 1990

In article <1990Mar27.183242.15156@chinet.chi.il.us> megabyte@chinet.chi.il.us (Dr. Megabyte) writes:

```
>I have seen references to an FM Citizen's Band radio service refered to as
>the GMRS or maybe the GRMS service.  This seems not to be the 11 meter
>Citizen's Band Radio Service, as that is limited to AM and SSB.
>
>I don't think this is a part 15 type service either, can anyone shed any
>light on what it is I keep seeing references to?
>--
>Mark E. Sunderlin: IRS Technocrat in Winchester, VA
> aka Dr. Megabyte: megabyte@chinet.chi.il.us  (703) 667-5203
>"Welcome to my fog! There's room for you, to come right in.
> Welcome to my fog......  I guess?!"
```

The service in question in GMRS or General Mobile Radio Service. There are a limited number (8-10) of channels in the 462 Mhz band. Some are repeater pairs, some are simplex. Both personal and business communications are allowed, however only an individual can be licensed (due to overcrowding by business users). Existing business licence holders can stay until their licence expires, however no new business licenses will be issued.

There is an address to write for more information, however I do not Have it available. I am also looking for more information on GMRS, so post away.

Bob Vaughan
techie@well.sf.ca.us
{apple,pacbel,hplabs,ucbvax}!well!techie
--
Bob Vaughan - techie@well.sf.ca.us - {apple,pacbell,hplabs,ucbvax}!well!techie

GEnie - BVAUGHAN2
Welcome My Son, Welcome To The Machine
I am me, I am only me, and no one else is me. What could be simpler?

From 5889755609620197139
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,44a80d83e490e681,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-29 04:43:59 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!uicsrd.csrd.uiuc.edu!look
From: look@uicsrd.csrd.uiuc.edu
Newsgroups: rec.ham-radio
Subject: wanted: HR-2B schematics (last)
Message-ID: <54900010@uicsrd.csrd.uiuc.edu>
Date: 29 Mar 90 12:43:59 GMT
Lines: 12
Nf-ID: #N:uicsrd.csrd.uiuc.edu:54900010:000:590
Nf-From: uicsrd.csrd.uiuc.edu!look   Mar 28 12:42:00 1990
Posted: Thu Mar 29 13:43:59 1990

I have been trying to find some one who has a schematic of the Regency HR-2B that would be willing to make me a copy. I called Regency and they have sold the ham gear to a company called ESI. I called them and they will only sell me the complete service manual for $15. I really don't wish to double my investment in this radio so if anyone would be willing to make a copy of just the schematic I would gladly pay costs & postage. I had another person contact me wanting the same thing and I will pass it on if I receive any response. Thanks,

Steve Look ka9szw
look@uicsrd.csrd.uiuc.edu

From -6682300183796625777
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,638b6f16b32ef32a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,638b6f16b32ef32a
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-03-29 05:19:53 PST
Path: gmdzi!unido!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!swrinde!cs.utexas.edu!rice!uupsi!sunic!chalmers!afs-news!utcrt2.utc.chalmers.se!bernerus
From: bernerus@utcrt2.utc.chalmers.se (Christer Bernerus)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: stacking yagis
Keywords: stack yagi urk
Message-ID: <776@vice2utc.chalmers.se>
Date: 29 Mar 90 13:19:53 GMT
References: <1839@kannel.lut.fi>

Sender: news@vice2.utc.chalmers.se
Reply-To: bernerus@utcrt2.utc.chalmers.se (Christer Bernerus)
Distribution: rec
Organization: Chalmers University of Technology, Gothenburg, Sweden.
Lines: 20
Xref: gmdzi rec.ham-radio:10553 rec.ham-radio.packet:1981
Posted: Thu Mar 29 14:19:53 1990

Hmmm. Nice to see a fellow UHF guy on the net, almost within reach without having to use the moon ...

Lets see, 3m boom is somewhat more than 4 wavelengths. The antennae thus are quite long.
The usual recommendation if optimizing for gain is 2-2.5 wavelengths which means 1.4 - 2 metres apart. Omtimizing for space (communication) suggests smaller spacing in order to minimize the backlobe. I somewhere saw 0.8-1 wavelength.

See you on 70
Chris.

Christer Bernerus (SM6FBQ)   ! E-mail:
University Technology Centre for Andrew (UTC) ! bernerus@utc.chalmers.se
Chalmers University of Technology
S-412 96 Gothenburg SWEDEN

From -4147865272185561727
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4417bc346a74fb2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-29 05:55:48 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!bionet!ames!sun-barr!decwrl!ucbvax!es.UUCP!Jay_Appell
From: Jay_Appell@es.UUCP
Newsgroups: rec.ham-radio
Subject: GOES Down Converter
Message-ID: <9003290855.6DE40604FB01@es.office>
Date: 29 Mar 90 13:55:48 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Thu Mar 29 14:55:48 1990

Can anyone suggest sources for a down converter for GOES reception ?
Maybe there is a do-it-yourself kit or circuit available ? I currently intercept the GOES photos from 8080 Norfolk WX and haven't found other sources. I would like to receive wirephotos, but I am unable to locate a frequency for this that is active. I am located in New England.
Thanks in advance for your comments.

-Jay- KA1SNA

From 4895042756773699452
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e15c61eb4db4f1d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-29 06:37:52 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!dvinci!weyr!katz
From: katz@weyr.FIDONET.ORG (sylvan katz)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW Speed
Message-ID: <620.261223F2@weyr.FIDONET.ORG>
Date: 29 Mar 90 14:37:52 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 10
Posted: Thu Mar 29 15:37:52 1990

It looks like you got the message. You explanation was wonderful and
I think if yoy keep it mind you will be able to rationalize CW
for yourself!

```
--
Sylvan Katz             Ham: VE5ZX
203 Ball Crescent       UUCP: alberta!dvinci!weyr!katz
Saskatoon, Sask         Internet: katz@weyr.FIDONET.ORG
Canada S7K 6E1          Ham bands: below 14.025/21.025/28.025 @ 0100-0300Z
(306) 934-3168
```

From -4818484578688409827
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2f57f24093e235ac
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,2f57f24093e235ac
X-Google-Attributes: gid114aac,public
X-Google-Thread: fddbf,2f57f24093e235ac
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-03-29 07:06:43 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!nebulus!root
From: root@nebulus.UUCP (Dennis S. Breckenridge)
Newsgroups: rec.ham-radio.packet,rec.ham-radio,rec.radio.shortwave
Subject: Re: Packet(?) on commercial bands
Message-ID: <1990Mar29.150643.14742@nebulus.UUCP>
Date: 29 Mar 90 15:06:43 GMT
References: <4978b8cc.15840@valley.UUCP>
Reply-To: root@nebulus.UUCP (Dennis S. Breckenridge)
Organization: Alchemy Mindworks, Vancouver, Canada
Lines: 18
Xref: gmdzi rec.ham-radio.packet:1974 rec.ham-radio:10532 rec.radio.shortwave:804
Posted: Thu Mar 29 16:06:43 1990

In article <4978b8cc.15840@valley.UUCP> pfluegerm@valley.UUCP (Mike Pflueger) writes:

>
> The local (Phoenix) police and fire use some packet-like mode to communicate
> with computers in the vehicles, and my PK-232 signal analysis mode is unable
> to figure it out. I've also tried quite a few combinations manually, to no
> avail.
>

What you are hearing is "commercial packet" It is in MMP protocol. Even if you could capture the bits with your TNC you would spend the next three lifetimes decoding the packet. Security is top on the list when it comes to public safety. MMP is a proprietary Mobile Data International protocol.

```
--
-----------------------------------------------------------------------------
Dennis S. Breckenridge  (604) 277-7413   dennis@nebulus.uucp          VE7TCP
               EMACS: Eight Megabytes And Constantly Swapping!
-----------------------------------------------------------------------------
```

From -6784346374406032605
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a37abc9ea6fa2f09
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-29 08:22:05 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!mailrus!uflorida!haven!decuac!shlump.nac.dec.com!koning.dec.com!koning
From: koning@koning.dec.com (Paul Koning)
Newsgroups: rec.ham-radio
Subject: Re: Jackson Bros. Dial Drives
Message-ID: <9743@shlump.nac.dec.com>
Date: 29 Mar 90 16:22:05 GMT
References: <1250137@hpnmdla.HP.COM>
Sender: newsdaemon@shlump.nac.dec.com
Organization: DEC -- Distributed systems architecture
Lines: 13
Posted: Thu Mar 29 17:22:05 1990

In article <1250137@hpnmdla.HP.COM>, donm@hpnmdla.HP.COM (Don Montgomery) writes:

> Does anyone out there in net-land know who handles Jackson Brothers
> dial drives? Are they still in business? My last catalog is from 1974,
> when SWEDGAL ELECTRONICS in NYC handled their line.

Radiokit, P.O. BOx 973, Pelham, NH 03076. I don't have their phone number handy. If you ask directory assistance, ask for Londonderry. That's where they are located, though the P.O.Box is still in Pelham.

paul, ni1d

From -8974111123953019186
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2da44315ec19c738
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-29 08:52:24 PST
Path: gmdzi!unido!ira.uka.de!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!ucbvax!hplabs!hpcc01!hpcuhb!fel
From: fel@hpcuhb.HP.COM (Skip La Fetra)
Newsgroups: rec.ham-radio
Subject: Re: CW and the handicapped
Message-ID: <10510006@hpcuhb.HP.COM>
Date: 29 Mar 90 16:52:24 GMT
References: <9003262314.AA27842@ti.com>
Organization: Hewlett Packard, Cupertino
Lines: 18
Posted: Thu Mar 29 17:52:24 1990

I am neither an expert nor a lawyer, but would it be possible to have a friend take notes? Specifically, a friend who:

- Does not hear the code (i.e. headphones on the exam-taker) and
- Does not know Morse Code

Then the question becomes, is it permissible to take audible notes (talking while head-copying). Perhaps into a tape recorder, but then replay might be more difficult.

I don't know the legalities of this method, but I do know someone (my sister) who was allowed to take the SAT test with a (much younger, and therefore presumed less knowledgeable) brother filling out the form because of some reason she couldn't (I think a broken arm).

A slightly-off-the-topic question -- what about the requirement to send?

- Skip   KK6HK

From -1202500124467024142
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5e3540e97119053b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-29 10:17:04 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!bionet!ames!sun-barr!decwrl!ucbvax!TOPS20.RADC.AF.MIL!DEFRANCO
From: DEFRANCO@TOPS20.RADC.AF.MIL (Carl DeFranco)
Newsgroups: rec.ham-radio
Subject: Loading of Telephone Channels by Voice or Data
Message-ID: <12577606692.12.DEFRANCO@TOPS20.RADC.AF.MIL>
Date: 29 Mar 90 18:17:04 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 31

Posted: Thu Mar 29 19:17:04 1990

About a week ago, someone noted, while discussing thenon-existent FCC proposal to "tax" modem users on phone lines, that the telco's are still interested in such a proposal because transmission of modem data occupies a full 64 kbps "channel" while voice can be combined. I don't know what kind of carrier system he might be referring to, but at "baseband" levels, the standard system is the DS-1 channel bank that multiplexes into a T-1 data stream at 1.544 mbps. Each individual voice channel is converted from analog to digital by sampling at 8 kilosamples per second, then coded into 8 bits per sample. Thus, a 64 kbps datastream is created from ONE VOICE CHANNEL. If your modem is operated over a standard voice grade telephone line, and your local telco uses digital switches, your modem signal will also be converted into a 64 kbps data stream. There is no difference as far as the switching equipment is concerned.

The telco's concern is related to the amount of time that modem users spend connected through the system compared to voice users. Telephone switching centers or "Central Offices", whether analog or digital, are sized using probabilistic predictions of subscriber use. If large numbers of long connection times are expected, moretranmission paths and generally more switch capacity are required. Modem users generally stay connected longer than voice users (unless, of course, you are raising teenagers, at which point probability goes out the window), and affect the traffic flow accordingly. The telco argument is that if you are connected longer, you should pay more.

Ironically, it is the true digital channels that can be multiplexed into higher level datastreams to provide greater capacity per channel. While one voice circuit requires the full 64 kbps, up to 6 9600 bps channels could be multiplexed into the same data space.

Carl DeFranco
KB2JLY

From 6812828898534715632
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3b40e6e7d7cee24
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,d3b40e6e7d7cee24
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-03-29 11:10:11 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Sweeping carrier in the HF bands
Message-ID: <1230@lopez.UUCP>
Date: 29 Mar 90 19:10:11 GMT
References: <3034@radio.oakhill.UUCP> <16508@orstcs.CS.ORST.EDU>
<4955247a.1423f@godzilla.UUCP>
Followup-To: rec.ham-radio
Organization: Great White North/UPLink, Marquette, MI

Lines: 60
Xref: gmdzi rec.ham-radio:10583 rec.radio.shortwave:827
Posted: Thu Mar 29 20:10:11 1990

dalyb@godzilla.UUCP (Brian Daly) writes:

>In article <16508@orstcs.CS.ORST.EDU>, liud@guille.ECE.ORST.EDU (Don Liu) writes:
>> In article <3034@radio.oakhill.UUCP> charlie@oakhill.UUCP (Charlie Thompson) writes:
>> >I have noticed (for some time now) a sweeping carrier
>> >passing through the HF bands. It appears both in the
>> >amateur HF bands and other HF frequencies as well.
>>
>> >Anybody have any explanations?
>> >Thanks in advance,
>>
>> These are the SPREAD SPECTRUM communication signals. There are
>> usually two modulating signals. One is the useful signal which

>My quess is the continuous sweeping is some sort of OTH backscatter radar.

Once again, let us put this question to a rest. The sweeping carrier is a CHIRPSOUNDER. Used to track ionospheric conditions. There are several locations (All Military) in the world, where these sweeps are made according to a predefined schedule. The schedule itself is in the (I believe) lastest issue of Popular Communications.

In addition to reading this newsgroup, anyone with a serious interest in radio communications should subscribe to Popular Communciations (or get it at your news stand) and Monitoring Times. Glenn Hauser's two magazines are probably also very useful, though I have not managed to part with the subscription fee yet...

To the person who replied to my PockaPock posting (the funny sputtering sound I noted on 75 meters) I am quite sure that he is right, and that the sound eminates from frequency hopping radios (military). This leaves the funny BURST type (Obviously Digital) transmissions that I regularly hear on 75 meters very early in the morining. I was told that these are used in conjunction with Radio Navigation for USAF planes, though none of my friends in the USAF "will confirm nor deny".... It IS interesting to note though that on the night Norriegga was being ferried to the USA, that the well known Cuban CW jammer that trashes up the entire 75m band was out in full force, and making a shambles of 75 meters (though the cuban's fundamental is 3922, his spurs are LOUD on 3950, which also happens to be where I often copy the one second digital bursts (they are NOT any type of signal I am familiar with, but obviously ARE digital)...

Where is HAVANA MOON to solve these mysteries... I know he reads this group......

>73's.

```
>--
>Brian K. Daly WB7OML @ AG Communication Systems, Phoenix, Arizona
>UUCP: {...!ames!ncar!noao!asuvax | uunet!zardoz!hrc | att}!gtephx!dalyb
>Phone: (602) 582-7644    FAX: (602) 582-7111
>~
--
== 14.313 == Amateur Radio Forum Saturday 11:00AM Eastern time == 14.313 ==
==  Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash)  GWN UPLink  ==
==  3.950  Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================


From 7919523375656227398
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,54f74526596688f5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-29 12:30:50 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!bionet!ames!sun-barr!decwrl!
ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com (DUBE TODD)
Newsgroups: rec.ham-radio
Subject: Direction Finding toys?
Message-ID: <9003292033.AA10926@ti.com>
Date: 29 Mar 90 20:30:50 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Thu Mar 29 21:30:50 1990

A few months back, (ultb!cep4478) (Chris Piggot) posted some information
about direction finding toys.  I have tried on numerous occasions to contact
Chris via e-mail, but with no luck.  Chris, please email me any information
you have on this, or give me an address for email; or a phone number.

Thanks,
Dube Todd  N5PDK        "Anarchy was what men had before he became civilized"


From -3609785814674618842
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,622a40073bacba4e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-29 12:45:49 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!ncar!tank!gargoyle!chinet!megabyte
From: megabyte@chinet.chi.il.us (Dr. Megabyte)
Newsgroups: rec.ham-radio
Subject: Re: Code vs No-Code
Summary: What will be entry level license?
Message-ID: <1990Mar29.204549.10987@chinet.chi.il.us>
Date: 29 Mar 90 20:45:49 GMT
References: <9003261758.AA23970@ti.com> <30500485@ux1.cso.uiuc.edu>
```

Reply-To: megabyte@chinet.chi.il.us (Dr. Megabyte)
Organization: Abacus Computers - You Can Count On Us
Lines: 31
Posted: Thu Mar 29 21:45:49 1990

As I understand it, the basis for the communicator, or other no-code radio licenses is to provide for those person who wish to operate in the VHF, UHF, and EHF spectrum. The idea is that thses people should be able to get a license wtihout having to take aa code test. The VHF and above sees little CW action compared to the HF bands.

I can see the point being made, but my question is this: With the novice and tech tickets being replaced by some type of a "no-code" ticket, won't that make the very bands we want populated by experimentors populated by the least experienced, least educated, radio persons?

I'm NOT supporting a code requirement, I'd just hate to see the No-code ticket be "bottom rung" of the license structure. Mainly, because I'd think we want the entrence level ticket to give the new ham a taste of as many different type of ham radio as possible.

Seems to me that we still need something where a person can get an entrence level ticket, explore all aspect of Ham radio, and learn. But, I can also see that we might need a no-code ticket for VHF and above.

How can we get both? Got me. My perspective is from a SWL who is studying to get his novice license. I'm trying to hurry up before the rules change. Right now, I get a little of everything in Ham for my novice ticket.

With the current communicator proposal, I'd have to get a general class ticket before I could operate anywhere but on VHF and above.
--
Mark E. Sunderlin: IRS Technocrat in Winchester, VA
 aka Dr. Megabyte: megabyte@chinet.chi.il.us (703) 667-5203
"How could he hope to survive the alien conquest when he had not yet
 conquered the alien within himself?" - The Madness Season by C.S. Friedman

From 820633711370986930
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3b87a1d5007d51bb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-29 14:46:42 PST
Path: gmdzi!unido!ira.uka.de!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!cs.utexas.edu!wuarchive!cec2!sek9424
From: sek9424@cec1.wustl.edu (Scott Eric Keller)
Newsgroups: rec.ham-radio
Subject: COLLEGE & UNIV. NET 3/31 1800Z
Message-ID: <1990Mar29.224642.383@cec1.wustl.edu>
Date: 29 Mar 90 22:46:42 GMT
Sender: news@cec2 (USENET News System)
Reply-To: sek9424@cec2.wustl.edu (Scott Eric Keller - KA0WCH)
Organization: Washington University, St. Louis, MO

Lines: 16
Posted: Thu Mar 29 23:46:42 1990

This is just a reminder/invitation to all college and university ARC's and any other interested parties to join in the College & University Net to be held this Saturday, March 31 at 1800Z on 28.425+-. Net control will be the Washington Univ. ARC - W0QEV. I realize that 10m is not the most ideal place for a net - we have been through that already. Let's just give it a try and see how it works, shall we? Hope to hear you on the air...

Scott

--
Scott Keller (KA0WCH) - Permanent Undergrad - Dept. of Computer Science
Wa$hington Univer$ity - St. Louis, Mo. USA
Internet: sek9424@cec2.wustl.edu   UUCP:ihnp4!wucec2!sek9424 (I think...)
The opinions represented here are mine and mine alone, not Wa$h. U's.

From -7737747568324676082
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e0aa1c4f9f61046d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-29 16:32:05 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!apple!sun-barr!newstop!texsun!texbell!bellcore!jupiter!karn
From: karn@jupiter..bellcore.com (Phil R. Karn)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW Speed
Message-ID: <21465@bellcore.bellcore.com>
Date: 30 Mar 90 00:32:05 GMT
References: <21296@bellcore.bellcore.com> <TyFRg1w161w@w8grt.nstar.com>
Sender: news@bellcore.bellcore.com
Reply-To: karn@jupiter.bellcore.com (Phil R. Karn)
Organization: Bell Communications Research, Inc
Lines: 22
Posted: Fri Mar 30 01:32:05 1990

In article <TyFRg1w161w@w8grt.nstar.com> jgrubs@w8grt.nstar.com (Jim Grubs) writes:
>> In response to your likely rejoinder ("But wait! What about people who are
>> interested only in public service?") I would say two things. First, the
>> amount of public service traffic carried by CW is nil;
>
>With all do respect, the NTS traffic nets on CW are quite active and
>important. Packet networks will no doubt change that but they have not
>yet.

Note that I said "nil", not "zero". I'm sure there's *some* public service traffic carried by CW, but I find it hard to believe that it's more than negligible. However, I would be open to statistics on this point.

By the way, note that I didn't limit my assertion to amateur radio; lots of radio services besides the amateur service carry public service traffic, and to my knowledge few use CW to do so. A fair comparison would include these other services, since much of the amateur use of CW for traffic handling is due more to inertia or the personal preference of the operator than to it being the best mode for the job.

Phil

From 4261139226232140217
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88e2ce4d0ff04973,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-29 16:44:42 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!lll-winken!uwm.edu!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Kenwood 721 Display Upgrade - It Works
Message-ID: <1545@anasaz.UUCP>
Date: 30 Mar 90 00:44:42 GMT
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 16
Posted: Fri Mar 30 01:44:42 1990

I just got my 721 display upgrade in the mail (Cost: $40+$1 S&H). Installation took about half an hour using small phillips screwdriver and solder iron. Now I can see it in the bright sunlight (at least, I think I can - our usual sunny weather is cloudy today!). It has black numbers, with a yellow background - just like the TM-731.

I think Kenwood should be commended for doing this. They could have just told everyone to buy the next model (the 731), but instead they are supplying a replacement display (readable in sunlight) for an old one!

```
--
John Moore (NJ7E)           mcdphx!anasaz!john asuvax!anasaz!john
(602) 951-9326 (day or eve) long palladium, short petroleum
7525 Clearwater Pkwy, Scottsdale, AZ 85253
Support ALL of the bill of rights, INCLUDING the 2nd amendment!
```

From 1621033991095730680
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,24ecd6d12aafae8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-29 19:00:48 PST

Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!ttidca!sorgatz
From: sorgatz@ttidca.TTI.COM (Avatar)
Newsgroups: rec.ham-radio
Subject: Re: QEX and other Ham mags.
Keywords: Magazines
Message-ID: <11593@ttidca.TTI.COM>
Date: 30 Mar 90 03:00:48 GMT
References: <648@idacrd.UUCP> <3290@optilink.UUCP>
Reply-To: sorgatz@ttidcb.tti.com (Erik Sorgatz - Avatar)
Organization: Citicorp/TTI, Santa Monica
Lines: 47
Posted: Fri Mar 30 04:00:48 1990

In article <3290@optilink.UUCP> elliott@optilink.UUCP (Paul Elliott x225) writes:
+I am considering renewing or starting subscriptions to various HAM magazines,
+and would appreciate comments or suggestions.
+My priority list goes something like this:
+1) Technical content
+2) Technical content
+3) Technical content
+4) Operating practice, band openings, etc
+...
+98) Contests
+99) Silent Keys (unless I am listed; that would concern me :-(
+
+QST, Ham Radio, and 73 Magazine are locally available, so I have a pretty
+good idea of their content... how about QEX or others I may not be aware
+of? Any good newsletters?

Well Paul, my list is similar to yours..but I notice you give a damn about chasing awards..I simply don't! My ranking:

1-98) Technical Content
99) FCC ACTIONS, NPRMS, etc

Puts QEX near the top of any list, yes, I do subscribe to QST also but tend to read it last! Ham-Radio is next, and equal in stature to the AMSAT monthly pub, 73 magazine is fun so I usually read it for the fun that Wayne pokes at the "Newington-Nerds" every month. CQ magazine is normally for, er, uhm... ..shall we call them, 'transition operators'..?! You know, CBers on the verge of finally growing up, and getting their ticket. ;-) As for the smaller, club/specialized activity-oriented pubs there are some really great ones; like the TAPR Journal, RTTY Times, DSP Picture, So Cal. ATV's rag and the like... ..then there are ones like the OLD-Old-Timer's Club, which is filled with obits, ancient tube/radio ads, notices of ex-XYLs having estate-sales (some real bargains out there!) and the nominal letters to the Editor ("..these damn kids don't know what fun IS! Packet phooey! We used to run an 813 as an oscillator on 40 meters with an antenna made from old barbed-wire on my Dad's farm back in 1930...blah, blab, blather!") and a calander of upcomming events - Yawn! The only value in this sort of junk is the letters, and the ocassional sideways editorials. Try it.

73! Erik

(as an aside: Given my druthers, it would be great if QST were to take all that damn contest garbage out of the magazine and put IT into a special pub for those that care about it..and want to pay extra for it being printed!...HINT! HINT!..then they'd have room to publish the kind of quality tech-stuff that I buy QEX for! ;-))

From 1107290008324369512
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-29 20:52:23 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!ttidca!sorgatz
From: sorgatz@ttidca.TTI.COM (Avatar)
Newsgroups: rec.ham-radio
Subject: CW: Where do you stand?
Summary: 4 viewpoints, PICK ONE!
Keywords: Pro-Choice = Continued Growth
Message-ID: <11595@ttidca.TTI.COM>
Date: 30 Mar 90 04:52:23 GMT
References: <9003051529.AA05504@pelham.med.unc.edu> <7880136@hpfcdc.HP.COM> <905@gollum.twg.com>
Reply-To: sorgatz@ttidcb.tti.com (Erik Sorgatz - Avatar)
Organization: Citicorp/TTI, Santa Monica
Lines: 42
Posted: Fri Mar 30 05:52:23 1990

In article <905@gollum.twg.com> sawyer@twg.com (Bruce B. Sawyer) writes:
+handicap. Witness the whining over the code requirement that occupies about
+half the bandwidth of this forum. It comes from the same group that thinks
+they should get 3 hours credit for a full semester course in C.
+   AA6KX

One minute, the question isn't about learning CW. The discussion centers around the notion that the requirement of CW skill @ 5 WPM is obsolete. You should decide for yourself, of course, but consider the matter a little more; consider these categories:

1) Keep it all as is. No new class of license. 5 WPM = Novice & Tech, 13 for General and Advanced and 20 WPM for Extra. (call this viewpoint "STATUS QUO")
-- kiss the Amateur Service goodbye! The Land Mobile guys love it!

2) Have a Communicator Class license, as proposed. No code, but with very restrictive band/power privs. (call this one NO-CODE GHETTO)
-- add 10-15 years to the timescale, THEN kiss it goodbye!

3) Have a Communicator Class license with the same band/power privs as TECH but with no HF privs. (call this one NO-CODE TECH)
-- add 20, maybe 25 years to the scenario of #1.

4) Do #3 and then ELIMINATE the requirements for CW beyond 5 WPM for all

other classes of license. Maybe make the written tougher and more comprehensive regarding Radio Science, the laws and operating conventions. (label this view THE FUTURE, and count on CW being dropped by the ITU, as a requirement for Amateur Operations at a future date!)

-- Keep The Amateur Service FOREVER!

The slant in naming is mine, and I'll admit my bias towards #4, it seems to loom on the horizon, the only thing standing in the way is an ocean of people that insist on paying lip service to an outdated notion...the notion that good communication/engineering skills are rooted in CW. It just ain't so...

Notice I said notion, not mode! I'll continue to use CW as it's appropriate to do so, but only for the sheer entertainment value of working weak signal stuff...not everyone is so easily amused! ;-)

73!

From -8167102169522487092
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2643821d42f638a7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-29 21:50:59 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!netcom!onymouse
From: onymouse@netcom.UUCP (John Debert)
Newsgroups: rec.ham-radio
Subject: Re: FM Citizen's Band? GMRS or GRMS?
Summary: GMRS=Class A CB= 47USC95 part A
Message-ID: <10224@netcom.UUCP>
Date: 30 Mar 90 05:50:59 GMT
References: <1990Mar27.183242.15156@chinet.chi.il.us> <809@tsdiag.ccur.com>
Organization: NetCom- The Bay Area's Public Access Unix System {408 249-0290 guest}
Lines: 36
Posted: Fri Mar 30 06:50:59 1990

In article <809@tsdiag.ccur.com>, davet@tsdiag.ccur.com (Dave Tiller N2KAU) writes:

> In article <1990Mar27.183242.15156@chinet.chi.il.us> megabyte@chinet.chi.il.us (Dr. Megabyte) writes:
> -I have seen references to an FM Citizen's Band radio service refered to as
> -the GMRS or maybe the GRMS service. This seems not to be the 11 meter
> -Citizen's Band Radio Service, as that is limited to AM and SSB.
> -I don't think this is a part 15 type service either, can anyone shed any
> -light on what it is I keep seeing references to?
> -Mark E. Sunderlin: IRS Technocrat in Winchester, VA
> Check out Title 47 CFR, in either part 90 or 95. (It's in with CB under
> the heading "Personal Radio Services".) It is FM, with a few channel pairs
> around 463/468 MHz. Repeaters are allowed within certain constraints, and
> buisness communications are allowed. If you'd like more information, please
> give me a call or E-Mail me directly. PS - How's Winchester this time of

GMRS is formerly known as "class A" CB and oeprates on 8 pairs at around 462.5MHZ. The regulations section is part 95, sub part A. The FCC has recently ruled that GMRS is for personal use only and no more businesses will be granted GMRS licenses. All businesses now using GMRS will not have their licenses renewed. Any citizen may apply for a GMRS license using the business license application but there is no need to explain why you need a license, contrary to the requirements for a buiness service license, so you need not fill in that part of the form. (I forget the form # - 510?)

You can use any FM radio type-accepted under part 95 (and most that are type accepted for business radio are also accepted for part 95), including hand-helds and pagers. Repeaters are allowed on this band and may either be open or closed, depending on the owners wishes. You may use a closed repeater for a monthly rental fee of at least $20.00 a month. Radio prices range from around $100.00 for old crystal-controlled hand-helds to several hundreds for modern synthesised gear or even several thousands for scanning transceivers and other state-of-the-art goodies. If you want to use every channel, you could require as many as sixteen channels -one each of duplex and simplex.

jd
onymouse@netcom.UUCP

From 7856210760528885735
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b5b0eaf3fa360423,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-30 01:09:20 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!asuvax!noao!arizona!naucse!rrw
From: rrw@naucse.UUCP (Robert Wier)
Newsgroups: rec.ham-radio
Subject: gen covg rcvr reccommend
Message-ID: <1968@naucse.UUCP>
Date: 30 Mar 90 09:09:20 GMT
Organization: Northern Arizona University, Flagstaff, AZ
Lines: 37
Posted: Fri Mar 30 10:09:20 1990

I know this is a somewhat subjective topic, but I'm interested in people's opinions of what make & model general coverage receiver (say, 500 Khz - 30 Mhz) HF for around $1 kilobuck would be worthwhile.

We need something which will be stable enough to make tuning of SSB and RTTY reasonably easy, have bandwidths good for CW, RTTY, SSB, and AM and is a "shack" (as opposed to mobile) rig.

During times when experiments are not being run in the lab, it
could be used in conjunction with a ham station we are trying
to set up. Should be well shielded since we got a BUNCH
of electrical noisy equipment in the engineering bldg, particulary
class B computer systems.

I'm searching thru back issues of the ham mags for reviews, but
am also interested in personal opinions. Of course, I'm
considering ICOM, Kenwood, & Yesau. Any others? Digital control
would be nice, but is not critical. Would we do just as well to
go with a transiever as a straight receiver? How about the
IC735? IC751A (if I can get that much money)? R71A? TS440S/AT?
R-5000? R-2000? FRG-8800? FT-757? others?

Please E-Mail me back, since due to a disk space crisis we are
not accepting rec.* groups (sigh) (although I am getting the bitnet
gatewayed digest).

Tnx & 73's

```
---------------------------------------------------------------------
 "Reply" address frequently doesn't work, please use one of the below
  - Bob Wier                             Northern Arizona University
   summer:Ouray, Colorado                 winter:Flagstaff, Arizona
  Internet: rrw@naucse.cse.nau.edu | BITNET: WIER@NAUVAX | WB5KXH
              or   ...arizona!naucse!rrw
```

From 4723112188394454861
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,622a40073bacba4e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-30 02:39:57 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Code vs No-Code
Message-ID: <30500486@ux1.cso.uiuc.edu>
Date: 30 Mar 90 10:39:57 GMT
References: <9003261758.AA23970@ti.com>
Lines: 27
Nf-ID: #R:<9003261758.AA23970@ti.com>:-27:ux1.cso.uiuc.edu:30500486:000:1131
Nf-From: ux1.cso.uiuc.edu!phil   Mar 30 00:48:00 1990
Posted: Fri Mar 30 11:39:57 1990

> Seems to me that we still need something where a person can get an entrence
> level ticket, explore all aspect of Ham radio, and learn. But, I can also
> see that we might need a no-code ticket for VHF and above.
>
> How can we get both? Got me. My perspective is from a SWL who is studying
> to get his novice license. I'm trying to hurry up before the rules change.

> Right now, I get a little of everything in Ham for my novice ticket.
>
> With the current communicator proposal, I'd have to get a general class
> ticket before I could operate anywhere but on VHF and above.

I agree that there should be a no-code license one can get that is other than an entry level license. I also believe would should retain an entry level license as the Novice is.

There does NOT have to be one single point of entry, nor does there have to be one ultimate goal.

The 90-55 proposal stinks because it ruins ham radio and sets up a nocode system that is doomed and will reap worse sentiments among hams than was ever imagined with incentive licensing.

[all above are my opinions]

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From 8668304276662216493
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,da9a70764fcb36bc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-30 02:40:11 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: FCC procedures on NRPM comments (wa
Message-ID: <30500487@ux1.cso.uiuc.edu>
Date: 30 Mar 90 10:40:11 GMT
References: <599@ssc.UUCP>
Lines: 14
Nf-ID: #R:ssc.UUCP:599:ux1.cso.uiuc.edu:30500487:000:676
Nf-From: ux1.cso.uiuc.edu!phil   Mar 30 00:52:00 1990
Posted: Fri Mar 30 11:40:11 1990

> Are the comments received by the FCC distributed around the country in
> some form, or is a trip to Washington, D.C. required? Should make some
> interesting reading.

The comments are available on file at the Washington offices for examination during business hours. They are not distributed. They are public files and you may copy them if you wish. You may pay someone to go there and copy them for you. The FCC has contracted with a commercial copy contractor to provide this service. You can contact them; they are listed in each Report and Order from the FCC (see any library that receives the Federal Register).

--Phil Howard, KA9WGN--

<phil@ux1.cso.uiuc.edu>

From -7639704589993529O4
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,638b6f16b32ef32a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,638b6f16b32ef32a
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-03-30 05:48:12 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!elroy.jpl.nasa.gov!peregrine!ccicpg!cci632!dvh
From: dvh@cci632.UUCP (David Hallidy)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: stacking yagis
Keywords: stack yagi urk
Message-ID: <35571@cci632.UUCP>
Date: 30 Mar 90 13:48:12 GMT
References: <1839@kannel.lut.fi>
Distribution: rec
Organization: Computer Consoles Inc. An STC Company, Rochester NY
Lines: 47
Xref: gmdzi rec.ham-radio:10568 rec.ham-radio.packet:1988
Posted: Fri Mar 30 14:48:12 1990

In article <1839@kannel.lut.fi>, junki@kannel.lut.fi (Juha Nurmela) writes:

> yanaa:
>
> I've got two 70 cm yagis and i wonder what would be
> the best stacking distance, with maximum gain in mind.
>
> The antennae (:-)) are made according to the schema
> in ARRL antenna book:
> 70 cm, 15 elements each, boom len about 3 meters.
>
>
> Thanks for any advice,
>
> juha nurmela, oh5nxo, junki@kannel.lut.fi

According to the ARRL Handbook (which may or may not be the best source of this info), optimum spacing between long yagis is one wavelength- this would be the position for maximum gain. Closer spacing results in less net stacking gain, but a cleaner pattern.

According to the 22nd edition of the Radio Handbook by Bill Orr, W6SAI (which may or may not be the best source of this info- where did I just hear that? :^)), "...as a simple rule of thumb in stacking extended Yagi antennas, or other arrays having high gain, it is suggested that stacking distance be equal to 3/4 of the length of the antenna."

The numbers I have personally seen for stacking 432 antennas, seem mostly to run in the 60 inch range, for antennas such as the Cushcraft 424B which has about a 17 foot boom. This suggests a compromise between the previously mentioned references, and it may be that the gain degradation by spacing closer may not be as much of a loss as the pattern degradation by spacing them wider.

Bottom line, I'd start with about 60 inch spacing, I bet you'll be close to optimum. If your station setup allows, you can play with the spacing while measuring Sun noise when the Sun is just clear of your horizon. If you can't do that, just space them 60 inches apart and leave it- it'll be real close.

Hope this helps some.

73 Dave KD5RO/2

From 8771482346703951659
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eba61865f7fc27cc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-30 06:14:39 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!sdsu!usc!ucsd!ucbvax!CRDEC4.APGEA.ARMY.MIL!pjstopa
From: pjstopa@CRDEC4.APGEA.ARMY.MIL ("Peter J. Stopa")
Newsgroups: rec.ham-radio
Subject: Help Getting an 02AT on Packet
Message-ID: <9003300914.aa06620@CRDEC4.APGEA.ARMY.MIL>
Date: 30 Mar 90 14:14:39 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 11
Posted: Fri Mar 30 15:14:39 1990

I recently obtained a PK232 and want to use it with my 02AT on VHF. Any hints or suggestions for setting the deviation, interface cables, etc. would be appreciated. Please post to the net since other people may be interested also.

BTW, I enjoyed Phil Karn's article in QST. I hope the OF's in Newington aren't using it as their April Fool's article.

/s/ Peter J. Stopa
KA3LKQ

From 846244576864357053
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,ebd7fa11e62df441,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,ebd7fa11e62df441,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-03-30 06:24:25 PST
Path: gmdzi!unido!ira.uka.de!sol.ctr.columbia.edu!cica!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Litz wire (long)
Message-ID: <40251@iuvax.cs.indiana.edu>
Date: 30 Mar 90 14:24:25 GMT
Sender: daemon@iuvax.cs.indiana.edu
Lines: 183
Xref: gmdzi sci.electronics:5984 rec.ham-radio:10545
Posted: Fri Mar 30 15:24:25 1990

to rec.ham-radio and sci.electronics:

A few weeks ago, beale@sierra.Stanford.EDU (John P. Beale) wrote:

>
> A colleague of mine is interested in finding out about litz wire...

It took a while to locate and type this. The following is excerpted from articles in _The Lowdown_, April 1987. (Copy of complete articles for SASE.) _The Lowdown_ is the monthly newsletter of the Longwave Club of America, whose major interests include operation in the 1750-meter band, which is license-free with the restrictions of one watt transmitter power and 50 foot maximum antenna length.

LITZ WIRE AND 1750 METER LOADING COILS

by Mitchell Lee

Litz wire is a favorite among LF enthusiasts. It is commonly held that litz wire possesses magical properties that obsolete any other type of wire. While litz falls short of some of these claims, it can provide a significant improvement in loading-coil quality factor and transmitting efficiency. When winding a coil with litz wire it is a good idea to plan in advance as to which type to use...

Litzendraht wire was developed as a means of reducing skin effect. As the frequency of an AC current in a wire is increased, current is forced out to the surface of the wire by the magnetic field generated from the current itself. If this argument is carried to extreme, all of the current ends up flowing on the skin of the conductor and no current flows at the center. Skin effect causes the AC resistance (loss) to be greater than the DC resistance. It is even significant at frequencies as low as 60Hz, where it often enters into AC transmission line design calculations for long lines.

There are two ways to combat skin effect. One is to use a larger wire diameter so that the surface area... is relatively large. This works well at shortwave frequencies and in some cases copper tubing is used to save weight and material... Sometimes the conductor may be coated with silver to enhance the conductivity at the surface.

A second method is to break the conductor up into a bundle of many individually-insulated conductors. This is the same as paralleling many wires... Each strand is sized so that its diameter is equal to approximately 2 skin depths or less, for optimum results. Litz wire fails to be useful at frequencies above 2 MHz, as capacitance effects begin to dominate and the relative size of a single conductor with similar loss characteristics becomes small enough to be practical.

Skin depth is the thickness of conductor where the majority of AC current is concentrated. The AC resistance of a given conductor is approximately the same as the DC resistance of a hollow tube having a wall thickness equal to one skin depth. Skin depth is given by the equation

skin depth (cm) = 5033 sqrt(p/uF)   (Terman)

where p (rho) is in ohms/cm^3, and F is the frequency in Hertz. u (mu) is the relative permeability of the conductor. For copper, the formula reduces to

skin depth (inches) = 2.61 sqrt(F)

At 175 kHz, the skin depth is approximately 6.2 thousandths of an inch. If we select a wire that has a diameter of 2 skin depths #28 AWG) or less... all of it will be carrying current. If the wire is 6 skin depths in diameter, less than half of the wire will actually carry current. To minimize losses for a given diameter of finished conductor, we should use litz wire made of strands that are no larger than 2 skin depths diameter.

This is only a first-order approximation. Air space between the strands in the cable, capacitance effects, and the fact that the definition of a skin depth holds true only for a big wire, will limit the accuracy of this approximation. But, it is good enough for LF work. At 175 kHz, a cable of numerous 28 AWG strands is the largest practical size...

There is a limit on how many strands remain cost effective. If more and more strands are added into a litz wire bundle, the wires in the center begin to feel the effects of the outside strands through mutual coupling. The impedance of the wires on the inside is higher than... on the outside of the bundle...

To help improve this situation, an attempt is made to transpose the strands in a litz bundle so that each one weaves a path through the center, outside and middle, thereby equalizing the impedance of each strand. This is difficult to achieve in practice, particularly where large numbers of strands are used. The same method of transposition is used to balance the impedance of 3-phase, 60Hz high tension transmission lines. You may have noted an occasional tower with extra framework and insulators; if one looks closely he can see that the relative positions of the cables are being switched around.

If smaller individual strands are used, the losses do not necessarily go UP. Instead, the DC resistance more nearly approximates the AC loss. While a 10 AWG wire has much higher AC loss than DC loss, it is still superior to a single 44 AWG conductor. But much less copper would be used (and the overall outside diameter greatly reduced) if the 10 AWG conductor was replaced with a number of 28 AWG wires. This is because all of the copper in a 28 AWG wire does work carrying current, where only the skin (the outside .062") of the 10 AWG does any work...

[Coil construction information omitted]

Common litz wire sizes also dictate the use of a strand size no larger than 28 AWG. For instance, Kerrigan-Lewis only stocks litz of 30 AWG strands and smaller. Given the constraints discussed, 34 or 36 AWG strand size is still a good compromise. 60/36 (60 strands of #36) has the lowest practical loss for stock sizes. It is also available as 3/30/36 (3 bundles of 20 strands of #36), with no difference in loss. 175/40 is another stock size of similar low-loss characteristics, but the coupling between individual strands may degrade its AC loss.

Litz wire is available from Kerrigan-Lewis Wire Products, 4421 W. Rice Street, Chicago IL 60651 (312) 722-7208. They manufacture much of the litz wire that is used in the US. Other companies that advertize litz often buy it from Kerrigan-Lewis. If you buy some litz, make absolutely sure it is solderable. Soldereze and Nyleze are two common insulations used on litz wire. The temperature of the average soldering iron is sufficient to cause the insulation to melt and evaporate, leaving the wire exposed for soldering. Other insulations must be removed chemically-- an unnecessary inconvenience.

References

Keith Henney: The Radio Engineering Handbook, Third Edition, 1941, McGraw-Hill.
Fred Terman: Radio Engineers' Handbook, First Edition, 1943, McGraw-Hill. Not to be confused with the much more common and vastly inferior Fourth Edition, 1955, which bears the revised title Electronic and Radio Engineering. The 1955 edition was compiled at a time when Terman began losing interest in engineering and electronics in favor of administrative pursuits at Stanford. The fantastic coil chapter was dropped in the 1955 edition!

LITZ APPLICATION GUIDELINES

(Reprinted in _The Lowdown_ from _Design Engineering_, February 1, 1979, "Multistrand Litz Wire Adds 'Skin' to Cut AC Losses in Switching Power Supplies," by T.A.O. Gross.)

1. If your present design uses a ferrite core, you should be using Litz on the high-current windings. If Litz does not help, the choice of ferrite was wrong in the first place. Most switching chokes should be using thin silicon-steep cores or Supermendur.

2. The biggest benefit from "Litzing" a coil comes in large reactors of low impedance working between 20 to 200 kHz. The high-current windings of flyback transformers are equally good candidates.

3. Thin foils compete with Litz and offer the advantage of better space factor. The disadvantage is that losses can be high due to fringing fluxes.

4. Transformers with large air gaps have large exciting currents, which in turn produce strong perpendicular magnetic fields. Very often it will pay to put the air-gap function elsewhere - in another component - so that the fields are out of harm's way.

5. Don't use solid round wire larger than AWG 8 for anything carrying 20-kHz current. Don't use wire larger than AWG 20 in 20-kHz transformers, or AWG 28 in 20-kHz reactors.

6. Balun and transmission line transformers are the least likely projects to make you a hero by Litzing.

7. Estimate the probably Rac:Rdc for inductors, flybacks and loosely coupled transformers using the ferrite pot-core applications data for the general size of the device you are designing. Keep in mind that Rac:Rdc gets worse with increasing size and decreasing impedance.

8. If the dc component exceeds the rms ac component by an amount greater than 10 times, you can forget about every rule in this table except rule #1.

-- 73,

Frank Reid   W9MKV @ K9IU   reid@ucs.indiana.edu
P.O. Box 5283
Bloomington IN 47407-5283

```
From 6722203450980259338
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,638b6f16b32ef32a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,638b6f16b32ef32a
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-03-30 07:07:06 PST
Path: gmdzi!unido!ira.uka.de!sol.ctr.columbia.edu!lll-winken!uunet!cs.utexas.edu!
asuvax!hrc!godzilla!dalyb
From: dalyb@godzilla.UUCP (Brian Daly)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
```

Subject: Re: stacking yagis
Summary: One Wavelength
      Watch phase relationships
Keywords: stack yagi urk
Message-ID: <49812f16.1423f@godzilla.UUCP>
Date: 30 Mar 90 15:07:06 GMT
References: <1839@kannel.lut.fi>
Distribution: rec
Organization: gte
Lines: 43
Xref: gmdzi rec.ham-radio:10552 rec.ham-radio.packet:1979
Posted: Fri Mar 30 16:07:06 1990

In article <1839@kannel.lut.fi>, junki@kannel.lut.fi (Juha Nurmela) writes:

> yanaa:
>
> I've got two 70 cm yagis and i wonder what would be
> the best stacking distance, with maximum gain in mind.
>
> The antennae (:-)) are made according to the schema
> in ARRL antenna book:
> 70 cm, 15 elements each, boom len about 3 meters.
>

The ideal spacing is one wavelength to maximize the gain. This is 70 cm = 27.5 inches. I believe that one could also stack at multiples of one wavelength to achieve the same characteristics, but I would have to go through some calculations/computer simulations to be certain this is true.

Another important consideration is feeding the array. Both Yagi-Uda arrays need to be fed in-phase, plus you must maintain proper impedance matching at the feedpoint, as follows:

```
          Yagi #1                  Yagi #2
             ___                      ___
             \ /                      \ /
              l________________________l
         Point A          l        Point B
                          l
                          l 50 ohm feed line
                         /\
               Need to see 50 ohms looking in
```

The phase at point A = phase at point B. As far as how to do this, I believe both the ARRL antenna book and the ARRL Handbook both show methods for providing this feed mechanism (I know I've seen it in older editions). If you can't find it, email me a message (via UUCP given below) and I'll send you the details.

73's.

--

Brian K. Daly WB7OML @ AG Communication Systems, Phoenix, Arizona

UUCP: {...!ames!ncar!noao!asuvax | uunet!zardoz!hrc | att}!gtephx!dalyb
Phone: (602) 582-7644   FAX: (602) 582-7111
~

From -1770563032710801083
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d4a0f715a50a17af,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-30 07:30:16 PST
Path: gmdzi!unido!mcsun!uunet!ingr!b11!bill
From: bill@b11.ingr.com (Bill Welch)
Newsgroups: rec.ham-radio
Subject: slow scan tv: need info please
Keywords: need details on format
Message-ID: <7749@b11.ingr.com>
Date: 30 Mar 90 15:30:16 GMT
Organization: ZAIAZ INTERNATIONAL
Lines: 8
Posted: Fri Mar 30 16:30:16 1990

I would like to build a homebrew slow scan tv system for my amiga or ibm pc. I have seen a recent article in 73 magazine. But I cannot find any details on the format of the transmissions for the various kinds of pictures. I am especially interested in formats for amiga iff files, but any information would be appreciated.

Thanks in advance! de kc4mxj   bill welch uunet!ingr!bill

From -1697475048623457501
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-30 07:48:45 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!dvinci!weyr!katz
From: katz@weyr.FIDONET.ORG (sylvan katz)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Message-ID: <621.26139FA7@weyr.FIDONET.ORG>
Date: 30 Mar 90 15:48:45 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 8
Posted: Fri Mar 30 16:48:45 1990

Perhaps you have a point about CW and VHF .... out-of-sight (or is that line-of-sight) out-of-mind .... not a bad adage for non-CWer's.

--
Sylvan Katz   Ham: VE5ZX
203 Ball Crescent   UUCP: alberta!dvinci!weyr!katz
Saskatoon, Sask   Internet: katz@weyr.FIDONET.ORG

Canada S7K 6E1   Ham bands: below 14.025/21.025/28.025 @ 0100-0300Z
(306) 934-3168

From 5937409993887182321
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88e2ce4d0ff04973
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-30 08:18:28 PST
Path: gmdzi!unido!ira.uka.de!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!
zaphod.mps.ohio-state.edu!mips!wyse!pgraham
From: pgraham@wyse.wyse.com (PC-NFS Philip Graham x1124 #)
Newsgroups: rec.ham-radio
Subject: Re: Kenwood 721 Display Upgrade - It Works
Message-ID: <2660@wyse.wyse.com>
Date: 30 Mar 90 16:18:28 GMT
References: <1545@anasaz.UUCP>
Sender: news@wyse.wyse.com
Reply-To: pgraham@wyse.UUCP (PC-NFS Philip Graham x1124 #)
Organization: Wyse Technology
Lines: 27
Posted: Fri Mar 30 17:18:28 1990

In article <1545@anasaz.UUCP> john@anasaz.UUCP (John Moore) writes:
>I just got my 721 display upgrade in the mail (Cost: $40+$1 S&H). Installation
>took about half an hour using small phillips screwdriver and solder iron.
>Now I can see it in the bright sunlight (at least, I think I can - our
>usual sunny weather is cloudy today!). It has black numbers, with a
>yellow background - just like the TM-731.
>
>I think Kenwood should be commended for doing this. They could have
>just told everyone to buy the next model (the 731), but instead they
>are supplying a replacement display (readable in sunlight) for
>an old one!

I have also ordered the upgrade for my 721A... However, while I am
pleased thay they are providing the display, it has taken over 6 months
from the original estimate of when it would be available. I have been calling
Kenwood every month since September to hear that it will be hear next month.

I do own a lot of Kenwood gear, but the 90-day warranty on their gear,
and passing of bad information for 6-months is not big on my list of
what I expect from a company. With this whole sequence of events it is
likely that I will consider Yeasu and ICOM for future radio needs that
I would not have done before...

Just my thought,

Phil
DE KJ6NN

From 1983664772497691665

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a37abc9ea6fa2f09
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-30 08:39:35 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!hp-sdd!hplabs!hpl-opus!hpnmdla!donm
From: donm@hpnmdla.HP.COM (Don Montgomery)
Newsgroups: rec.ham-radio
Subject: Re: Jackson Bros. Dial Drives
Message-ID: <1250139@hpnmdla.HP.COM>
Date: 30 Mar 90 16:39:35 GMT
References: <1250137@hpnmdla.HP.COM>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 10
Posted: Fri Mar 30 17:39:35 1990

Thanks to Mike Butts (KC7IT) and others for locating the Jackson Bros dial drives. They are available from:

RadioKit in Londonderry, NH
603-437-2722

Mike also says they have lots of other hard-to-find parts.

73's all
Don K6LTS

From -5333863341328974246
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6b7e1da5a8febbcd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-30 09:02:31 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!sdsu!usc!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!sulaco.enet.dec.com!judice
From: judice@sulaco.enet.dec.com ("Lou Judice @KYO / DTN 323-4103 30-Mar-1990 1158")
Newsgroups: rec.ham-radio
Subject: Data Format in Trunked Systems
Message-ID: <9003301702.AA05190@decpa.pa.dec.com>
Date: 30 Mar 90 17:02:31 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Fri Mar 30 18:02:31 1990

In trunked systems such as Motorola's, can anyone identify the formats, etc. used on the trunking data channel? Watching the output of an AEA PK232 in ASCII mode on these channels seems to show fairly consistant patterns, etc...

/ljj

From -5373010783063048157
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,24ecd6d12aafae8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-30 09:25:19 PST
Path: gmdzi!unido!mcsun!uunet!optilink!elliott
From: elliott@optilink.UUCP (Paul Elliott x225)
Newsgroups: rec.ham-radio
Subject: Re: QEX and other Ham mags.
Summary: Summary of responses
Message-ID: <3336@optilink.UUCP>
Date: 30 Mar 90 17:25:19 GMT
References: <3290@optilink.UUCP> <1250138@hpnmdla.HP.COM>
Organization: Optilink Corporation, Petaluma, CA
Lines: 43
Posted: Fri Mar 30 18:25:19 1990

As the original question-asker (What's a good technical ham radio magazine these days, anyway?), I've received numerous replys. Here is my thumbnail summary:

QST: Generally lost in the dark ages, occasional good stuff however.

QEX: Skinny, merged with Gateway (ARRL packet/digital newsletter), pretty good but could be better.

73: Low-tech, appliance operator oriented

CQ: (see 73:)

Ham Radio: Generally the best technical articles

VHF Communications: (an English translation of a German magazine) 100% technical content. Available through Timekit in Ohio.

I guess I will re-join the ARRL to get QST, subscribe to QEX and Ham Radio. _VHF_Communications_ looks interesting, I will try to locate Timekit and get it. I will let you all know if anything interesting appears.

Yes, I know that the ARRL isn't too popular these days, but I figure they at least do more good than harm for the hobby as a whole.

In article <>, glenne@hpnmdla.HP.COM (Glenn Elmore) writes:
> [Good comparison of QST, Ham Radio, QEX, etc. Thanks!]
>
> I e-mailed this but optilink doesn't recognize you!
>
> [He turns out to be a neighbor of sorts (20 miles or so)]

Just so nobody gets the wrong idea, Optilink *does* recognize me (I'm not a hoax, although there are those who wish I were ;-). Glenn eventually got email to me.

de wb6cxc <end of work>

--
Paul M. Elliott   Optilink Corporation   (707) 795-9444
{pyramid,pixar,tekbspa}!optilink!elliott

From 69322728426102340
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ece546134360718f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,ece546134360718f,start
X-Google-Attributes: gid105d97,public
X-Google-Thread: f76e2,ece546134360718f,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-03-30 09:54:38 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!dsinc!cdin-1!ki4pv!ka3ovk!albers
From: albers@ka3ovk.uucp (Jon Albers)
Newsgroups: rec.ham-radio,rec.ham-radio.swap,sci.electronics
Subject: Looking for Motorola manuals
Message-ID: <1990Mar30.175438.22805@ka3ovk.uucp>
Date: 30 Mar 90 17:54:38 GMT
Organization: Internal Revenue Service
Lines: 25
Xref: gmdzi rec.ham-radio:10571 rec.ham-radio.swap:378 sci.electronics:6000
Posted: Fri Mar 30 18:54:38 1990

I am looking for a set of manuals for a Motorola Motrac "L" series solid state receiver, part number TLD1340AFSP20, with a recieve channel element number TLN1086A. This unit was built in the late 1960s, and was retrofitted into a J74XB12101AT repeater. Please if you know where one might find a service manual, or you have one you would be willing to copy or sell, we can pay for it. We have called motorola already, and they can't find it! They know they HAD manuals for it, but they can't find them!!

Jon Albers
KA3OVK
albers@ka3ovk.UUCP

Motoroa Motrac L Series Solid State Receiver
TLD1340AFSP20
Channel Element number TLN1086A
Manuf'd late 1960s
Retrofitted into a J74XB13101AT Repeater

```
--
| Jon Albers, IRS, Information Systems Management, Support and Installation.  |
| Office Symbols: ISM:S:S:SI   voice: (202/FTS)535-3729  Packet: KA3OVK@N4QQ  |
| UUCP:(media|teemc|tcsc3b2|ki4pv)!ka3ovk!albers ARPA: JALBERS@SIMTEL20       |
```

From -6931235247819907912
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a156025951fa8d87,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-30 12:30:12 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!hp-sdd!hp-pcd!hpcvca!hpcvck!mcross
From: mcross@hpcvck.CV.HP.COM (Minor Cross)
Newsgroups: rec.ham-radio
Subject: Yaesu FT-727R Problem
Message-ID: <5440014@hpcvck.CV.HP.COM>
Date: 30 Mar 90 20:30:12 GMT
Organization: Hewlett-Packard Co., Corvallis, Oregon
Lines: 20
Posted: Fri Mar 30 21:30:12 1990

Hi Netlanders,
One of the hams at this site also repairs radios on the side (no this isn't a commerical for him!). He has repaired a lot of Yaesu 727R radios(a lot being 3 or 4) in this area where the trouble was caused by loose slugs from the tuning coils. The loose slug is conductive and typically shorts out a transistor which in turn inhibits xmit on both bands. Letters to Yaesu bring no answer as to why this is happening.

If you have had a problem like this, send info to me and I will forward it to this fellow. If anything exciting comes of this I will let the net know.
   Thanks,

```
           ___
       /  /       Minor Cross     KD7YJ
      /  /       Hewlett-Packard  Northwest IC Division  [ NID ]
     /  /_____          _________       1020 NE Circle Blvd.
       /  ___   /  ____    /  ___   /     Corvallis, OR   97330
      /  /  /  /  /___/   /  /__/  /       -------------------------
     /__/  /__/         /  ______/       AT&T:  (503) 750-2044
                       /  /          HP telnet  750-2044
                /__/     }inhp4!hplabs!hp-pcd!mcross
```

From 2785047356964261613
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,927e98602dae2b08,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-30 12:58:40 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!elroy.jpl.nasa.gov!ames!skipper!disbrow
From: disbrow@skipper.dfrf.nasa.gov (Jim Disbrow)
Newsgroups: rec.ham-radio
Subject: Q-signals

Message-ID: <467@skipper.dfrf.nasa.gov>
Date: 30 Mar 90 20:58:40 GMT
Organization: NASA Ames-Dryden FRF, Edwards, CA
Lines: 26
Posted: Fri Mar 30 21:58:40 1990

Hi,
I just started studying for my novice and I have a question.

Where do the Q-signals come from? What's their origin?

Why "Q" ? Someone told me it might be from French.

And also is there a way one can memorize which is which without
resorting to brute force memorization? Is there some mnemonic
way to remember these things?

I know these questions aren't very important to most of you who
know this stuff by heart, but if you find the time...

Thanx,

Jim Disbrow

work: 805/258-3417
home: 805/948-1363

internet: disbrow@skipper.dfrf.nasa.gov

-===
  Brain. Brain. What is brain?
      -- Kara the Eymorg, "Spock's Brain," stardate 5432.3.

From 7189082973836651704
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6cb421a13f889ec0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-30 13:17:38 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rice!uw-beaver!cornell!heights!mustard
From: mustard@heights.cit.cornell.edu
Newsgroups: rec.ham-radio
Subject: IC-32AT mod
Summary: Want out of band receive capability
Keywords: Mod , icom, receive
Message-ID: <1990Mar30.211738.12370@heights.cit.cornell.edu>
Date: 30 Mar 90 21:17:38 GMT
Sender: William Middelaer
Distribution: rec.ham-radio
Organization: Cornell Information Technologies, Workstation Resources, Ithaca, NY
Lines: 15
Posted: Fri Mar 30 22:17:38 1990

Does anyone out there have a Modification for the IC-32AT that will extend it's rather limited UHF capability to include the rest of the 420-450 band. Also , is there a way to restore transmit to the lower part of 420-450?

As a follow-up, what is this Mod Server that I've heard of. Is it an ftp sight or does it require a modem?

TNX

William Middelaer
mustard@heights.cit.cornell.edu __ Both on Internet
v6dy@vax5.cit.cornell.edu   /

v6dy@crnlvax5 __ Bitnet

From 8479054341486645838
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3b426429efa23f8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-30 13:24:00 PST
Path: gmdzi!unido!mcsun!uunet!fernwood!apple!usc!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!MEMSTVX1.BITNET!SKAGOO
From: SKAGOO@MEMSTVX1.BITNET (SURESH KAGOO N9GSA/4S7???)
Newsgroups: rec.ham-radio
Subject: NEWSLINE NO-CODE NTRN QUERY
Message-ID: <9004050707.AA03656@ucbvax.Berkeley.EDU>
Date: 30 Mar 90 21:24:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Fri Mar 30 22:24:00 1990

The Delta Ameatur Radio Club here in Memphis is airing the Newline No-code National Teleconferencing Radio Network on its 2m/220 repeater W4BS.

We have already received our port assigment from Newsline. The question that we have now is whether the teleconference is two way over the phone patch or do people with questions call on a seperate line ?.

Does anybody have any suggestions ?

Suresh Kagoo   N9GSA/4S7???   Internet: skagoo@memstvx1.bitnet
Memphis State University   Bitnet : SKAGOO@MEMSTVX1
Memphis, Tennessee

From 6660861430931768601

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,27d83969b86ffdd5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-30 13:53:42 PST
Path: gmdzi!unido!mcsun!uunet!samsung!brutus.cs.uiuc.edu!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: CQ PEACE
Message-ID: <39954@apple.Apple.COM>
Date: 30 Mar 90 21:53:42 GMT
References: <9003290802.AA07895@ucbvax.Berkeley.EDU>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 26
Posted: Fri Mar 30 22:53:42 1990

In article <9003290802.AA07895@ucbvax.Berkeley.EDU> RHAREL%FAB8@SC.INTEL.COM
(Intel-FAB8 7589) writes:
>On March 27th, it was announced by the Ministry of Communications that Amateur
>Radio operators can now legally communicate with 22 Arab countries that were
>formally forbidden under the rules and regulations since 1948.
>Peace via Amateur Radio ??
>This may be a real first...

Richard--

I just heard about the new rules this morning, and I agree with you
that it's an encouraging development. I was also heartened to learn
that King Hussein worked some Israeli hams when he was visiting in
England a year or so ago. Perhaps Jordan will be the first of the
"banned" countries to renew amateur radio communications with Israel.

Every little bit helps...

Patty

```
--
*****************************************************************************
Patty Winter N6BIS                       INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                    UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From 7717918950228474595
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e15c61eb4db4f1d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-30 13:55:08 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!agate!
gypsum.berkeley.edu!donahn
From: donahn@gypsum.berkeley.edu (Don Ahn)
Newsgroups: rec.ham-radio

Subject: Re: Increasing CW Speed
Message-ID: <1990Mar30.215508.14115@agate.berkeley.edu>
Date: 30 Mar 90 21:55:08 GMT
References: <30500482@ux1.cso.uiuc.edu>
Sender: usenet@agate.berkeley.edu (USENET Administrator;;;;ZU44)
Reply-To: donahn@gypsum.berkeley.edu (Don Ahn)
Organization: University of California, Berkeley
Lines: 45
Posted: Fri Mar 30 22:55:08 1990

In article <30500482@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:

> 1. The argument about the requirements for admission or graduation in college is not a good one. There are a lot of colleges around that have different and/or fewer such requirements. If you don't like the requirements at the one you are now in, transfer....
> 2. In Amateur radio you don't have much of a choice....

True, its our only college and hams have a big say in what goes on. So when enrollment is down, you have two choices: 1. Figure its a symptom of society and try to maintain standards of quality. 2. Figure its a symptom of problems with ham radio and try to reduce standards to get enrollment up.

The evidence seems to point to conclusion 1. Thinking hobbies are down all over the place and TV is up. If you support conclusion 2 though, you won't be alone, you'll be following the path of untold numbers of high school and college adminstrators all over the country. This is a very safe path to take. The arguments have been handed down generation to generation and usually work.

I'm not really interested in getting the best operators on the air. Or of making the most efficient use of spectrum (this is a HOBBY for christsake). I am interested in the learning aspect of ham radio and feel that it is the best intent of ham radio. Incentive licensing is a great way of tricking people into learning something potentially useful/fun. (Yes, and people need to be tricked, you're fighting the biggest trickster of all after all -- TV).

Morse code is Ham Anthropology/Archaeology 101 it is also Digital Communications 101. Its the closest you'll ever get to BEING a modem. And most of all, its a communication mode. Being apprentice communicators we should learn it. The problem is, the other newer modes are not as heavily stressed as CW. If there was more coverage (more tests?) in the other modes, there wouldn't be such complaints for the 5wpm CW test.

CW is used in 1990. Phil, you mentioned that many repeaters now ID with voice instead (or in supplement) to CW. True, there are more of these. However, you'll notice that getting the hardware together to do a voice ID is such a pain compared to a simple CW ID that those repeaters usually have stuff like digital playback/S-meters too (ie. they are well funded). Is CW a useful, cheap, and simple mode to use? I'd say yes, and people are voting with their repeaters on this one.

Your arguments for abolishing the CW requirement for VHF are compelling, however , given extra questions in other areas to replace it. The problem is, most of the anti-code proponents seem to just want to water down the tests. So it's much "safer" to try to resist change.

> --Phil Howard, KA9WGN--

Don Ahn, AA6UD
donahn@gypsum.berkeley.edu

From 7580227913555851308
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,89b7744be275eedf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-30 17:11:43 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!lll-winken!
brutus.cs.uiuc.edu!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!hp-sdd!hplabs!
hpfcso!hpfcmgw!roger
From: roger@hpfcmgw.HP.COM (Roger Jollis)
Newsgroups: rec.ham-radio
Subject: 49Mhz conversion question
Message-ID: <1690050@hpfcmgw.HP.COM>
Date: 31 Mar 90 01:11:43 GMT
Organization: HP Fort Collins, CO
Lines: 54
Posted: Sat Mar 31 02:11:43 1990

I have just acquired a set of "Voice Actuated Audionic FM Transceivers" manufactured for Realistic (Radio Shack). Currently they are on 49.845Mhz along with all the baby monitors in the world. I'd like to move them up some 250 Khz to the six meter phone band.

Can anybody direct me to articles which may have been published in some of the amateur radio magizines on moving such equipment up to six. Or maybe there has been some discussion on the net. In general, should the move require massive retuning? By that I mean, will I need to swap out coils or is it simply a matter of tweeking the existing coils?

I would also like to crank the power up a bit. The final output transistor, a 2SC380 is rated at 650mW. The spec on the power output as listed in the service manual is 80dB. I'm not sure what that means.(80dB relative to what?) The final output stage is a common emitter configuration inductively coupled to both the antenna and the driver/tripler stage. I assume that by simply increasing the current in the emitter by reducing the value of the emitter resistor I should be successful in my pursuit of higher power, as long as I don't exceed the maximum emitter or collector current ratings or power dissipation of the transistor. Am I on the right track? (Schematic below)

I would appreciate any help that I can get.

73,

Roger Jollis, KU6I
Fort Collins, Colorado

```
---------------------------------------------------------------------------

                                        22
To Ant       _____________________.____/\/\/\-----o+8.5 VD
```

```
o___        |       2SC380        |
    |  ____ |       (npn)         >22K
    |^(   | |        c            <
    )|(-------------\             >  L5
L4  )|(   = |        \ |  b       |     ___
    )|(   | |          |----------|--)^(   |
    )|(___|_.        / |          |  )|(   =
    |       |      / e            |  )|(---|----o input from driver/tripler
    |       |      |              |__)|(___|
    | .004  =      |              |
    |       |    --.--            |
    V       V    |   |            |
                 |   >            |
          .0047  =   < 56         = .0047
                 |   >            |
                 |   |            |
                 V   V            V
```

key:

V ground
. connection

```
From -4496645313456243949
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4fab371fa347dff,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-30 17:38:17 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!uxh.cso.uiuc.edu!dwsmith
From: dwsmith@uxh.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Cellular phone salesmen story
Message-ID: <30000022@uxh.cso.uiuc.edu>
Date: 31 Mar 90 01:38:17 GMT
Lines: 9
Nf-ID: #R:<9003290806.AA08232@ucbvax.Berke:-40:uxh.cso.uiuc.edu:30000022:000:230
Nf-From: uxh.cso.uiuc.edu!dwsmith    Mar 30 10:39:00 1990
Posted: Sat Mar 31 02:38:17 1990
```

Actually, there is a satellite-based cellular phone service being developed by JPL and NASA called MSAT-X. It is not yet operational (in a commercial sense), but hopes are that it someday will be.

Dave Smith
dwsmith@uiuc.edu

From 7587179429514433426

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3c141b99ff98d8e0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,3c141b99ff98d8e0,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-03-30 17:48:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!att!tsdiag!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: News From OSCAR-11  26-Mar-90
Keywords: Satellite News From SPACE
Message-ID: <246@ka2qhd.UUCP>
Date: 31 Mar 90 01:48:08 GMT
Organization: KA2QHD, OCEAN NJ
Lines: 96
Xref: gmdzi rec.ham-radio:10576 sci.space:11014
Posted: Sat Mar 31 02:48:08 1990
```

```
**UOSAT 2 COMPUTER STATUS INFORMATION**

FAD1 Operating System v2.0b
Today's date is 31 /3 /90 (Saturday)
Universal Time is 1 :5 :49
Auto Mode is selected

SPIN PERIOD IS - 298

Z  MAG firings = 0
+ SPIN firings = A28
- SPIN firings = 12
RAM Wash Pointer at F34
WOD commenced 31 /3 /90 at 0 :0 :10
with channels 10 ,11 ,19 ,29 ,
Last cmd was 109 TO 0 WITH DATA 0

Attitude control initiated, mode 1

Data collection in progress
Digitalker active
```

**** UoSAT-OSCAR-11 BULLETIN - 211   26 March 1990   ****

UoSAT MISSION CONTROL CENTRE
University of Surrey, Guildford, Surrey, GU2 5XH, England

** UoSAT-OSCAR-14 ** (de G3YJO)

The gravity boom on UoSAT-3 was deployed successfully under on-board computer

(OBC) control on Thursday morning (220390), following attitude control manoeuvres to 'lock' the spacecraft to the Earth's magnetic field. The attitude manoeuvres have been complicated by offsets experienced in the on-board magnetometer (which is used for attitude determination), requiring additional software filters to be included into the attitude control algorithms running on the OBC.

Following deployment of the boom and its 3.5 kg tip-mass to about 6 metres from the top of the spacecraft, delibration algorithms have been activated on the OBC to point the spacecraft towards Earth.

** UoSAT-OSCAR-15 ** (G3YJO)

The team at Stanford, having succeeded in detecting local oscillator (LO) leakage from the UO-15 command receiver, are now listening when the satellite is in eclipse - to determine whether the on-board NiCd battery is functioning.

** DOVE-OSCAR-17 ** (ASR)

Following the CPU crash on-board DO-17 which left the 2m transmitter ON, command stations were unable to access the satellite receiver due to blocking.

On 170390, the AMSAT Engineering Team successfully reset the CPU on DO-17 and commanded the 2M transmitter off. Dave Blaschke (W5UN), the owner of the world's largest privately owned 2 meter antenna, worked with Harold Price (NK6K) to overcome the desense problem (DO-17's command receiver is also in the 2M band). Even with 32.5 dBi gain, and nearly 2 megawatts of EIRP, it took several days of transmitting the reset sequence before they were successful.

Alberto Zagni (I2KBD) reported that the transmitter power was dropping significantly at the end of the eclipse portion of the orbit which indicated that the batteries were flattening out. Bob McGwier (N4HY) then strategized with W5UN as to the two best times to reset the spacecraft CPU and turn the transmitter off. The first was at the end of the eclipse period, when transmitter power would be at its lowest point. However, if it turned out that the battery voltage was too low to maintain the GASFET preamp in the receiver, then the next time to try was just as the transmitter power was falling off (soon after it left the sun and started the voltage descent in eclipse). The latter was the time which turned out to be successful.

The AMSAT Team is reviewing the events of the last week to determine the failure mode. Once they have completed their investigation, they will upload the operating system for DO-17 and continue commissioning. DO-17 is not expected to be fully commissioned until sometime in April.

** $BID **

Please use BID $UOSAT.211 for PR BBS use.

```
--
AMPR : KD2BD @ NN2Z (Neptune, NJ)
UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
       "For every problem, there is one solution which is simple,
       neat and wrong." -- H.L. Mencken


From 3629916342693594757
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,332e57cbe9ec77e7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-30 17:57:17 PST
Path: gmdzi!unido!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!
uwm.edu!cs.utexas.edu!mailrus!usenet.ins.cwru.edu!cwjcc!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery)
Newsgroups: rec.ham-radio
Subject: Re: Happy Times are here Again
Message-ID: <1990Mar31.015717.14063@NCoast.ORG>
Date: 31 Mar 90 01:57:17 GMT
References: <900327-152339-2635@Xerox>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery)
Followup-To: rec.ham-radio
Organization: North Coast Public Access UN*X, Cleveland, OH
Lines: 17
Posted: Sat Mar 31 02:57:17 1990

As quoted from <900327-152339-2635@Xerox> by G4JJO.WBST207V@XEROX.COM:
+---------------
| not been operating here, I have not had the pleasure of reading Info-Hams
| for at least 6 months.
| I was totally amazed to find that just like the soap operas I hadn't missed
| a thing. Only the names have changed ( presumaably to protect the innocent)
+---------------

If you ask me, much of the activity here is little different from what can be
heard on the air.  Not much sense, lots of (near-)liddishness... "We have met
the enemy, and he is us!"

73's,
++Brandon (pending receipt of my Novice ticket)
--
Brandon S. Allbery (human), allbery@NCoast.ORG (Internet), BALLBERY (MCI Mail)
ALLBERY (Delphi), uunet!cwjcc.cwru.edu!ncoast!allbery (UUCP), BrandonA (A-OL)


From 4567520482076384409
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fe2dbd76acb4f9e,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1990-03-30 18:03:39 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!mailrus!usenet.ins.cwru.edu!cwjcc!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery)
Newsgroups: rec.ham-radio
Subject: Aargh! Want address/info to get Heathkit catalog
Message-ID: <1990Mar31.020339.14162@NCoast.ORG>
Date: 31 Mar 90 02:03:39 GMT
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery)
Followup-To: rec.ham-radio
Organization: North Coast Public Access UN*X, Cleveland, OH
Lines: 11
Posted: Sat Mar 31 03:03:39 1990

I discovered earlier this week that the Cleveland area's only remaining Heathkit store is no more. Is Heathkit gone? If not, where and to whom do I write to get a catalog?

I plan to build a few simple kits to recover/(re-)develop my abilities, then dive into some more serious equipment-building.

++Brandon (pending receipt of Novice ticket)
--
Brandon S. Allbery (human), allbery@NCoast.ORG (Internet), BALLBERY (MCI Mail)
ALLBERY (Delphi), uunet!cwjcc.cwru.edu!ncoast!allbery (UUCP), BrandonA (A-OL)

From -4144768597793223506
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,638b6f16b32ef32a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,638b6f16b32ef32a
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-03-30 18:24:22 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: stacking yagis
Keywords: stack yagi urk
Message-ID: <23815@usc.edu>
Date: 31 Mar 90 02:24:22 GMT
References: <1839@kannel.lut.fi> <49812f16.1423f@godzilla.UUCP>
Sender: news@usc.edu
Followup-To: rec.ham-radio
Distribution: rec
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 14
Xref: gmdzi rec.ham-radio:10556 rec.ham-radio.packet:1983
Posted: Sat Mar 31 03:24:22 1990

In article <49812f16.1423f@godzilla.UUCP> dalyb@godzilla.UUCP (Brian Daly) writes:
>The ideal spacing is one wavelength to maximize the gain.

This is not true. The maximum_forward_gain_spacing is a function of the gain of the antennas being stacked. It could also be (almost equivalently) considered to be a function of the boomlength of the antennas being stacked.

There are also other considerations. Do you want maximum forward gain? Do you want maximum front-to-back ratio? Do you want maximum front-to-side ratio? Do you want some combination of these merit figures, like almost maximum gain with a clean pattern?

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From -7596595349704182000
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,90853272114648bb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,90853272114648bb,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-03-30 18:50:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rice!cs.utexas.edu!tut.cis.ohio-state.edu!att!tsdiag!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: * SpaceNews 02-Apr-90 *
Keywords: Amateur Satellite News
Message-ID: <247@ka2qhd.UUCP>
Date: 31 Mar 90 02:50:16 GMT
Organization: KA2QHD, OCEAN NJ
Lines: 113
Xref: gmdzi rec.ham-radio:10577 sci.space:11015
Posted: Sat Mar 31 03:50:16 1990

Bulletin ID: SPC0402

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SpaceNews
=========

MONDAY APRIL 2, 1990

SpaceNews originates at KD2BD in Wall Township, NJ, and is distributed weekly around the world on USENET and Amateur Packet Radio. It is available for UNLIMITED worldwide distribution.

* DOVE NEWS *
=============
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[From: AMSAT via OSCAR-11]

* UoSAT-OSCAR-14 NEWS *

=======================

The gravity boom on UoSAT-3 was deployed successfully under on-board computer (OBC) control on Thursday morning (220390), following attitude control manoeuvres to 'lock' the spacecraft to the Earth's magnetic field. The attitude manoeuvres have been complicated by offsets experienced in the on-board magnetometer (which is used for attitude determination), requiring additional software filters to be included into the attitude control algorithms running on the OBC.

Following deployment of the boom and its 3.5 kg tip-mass to about 6 metres from the top of the spacecraft, delibration algorithms have been activated on the OBC to point the spacecraft towards Earth.

[From: G3YJO via OSCAR-11]

* SHUTTLE NEWS *

================

The Hubble Space Telescope was installed in Discovery's payload bay last week after "midges" (mosquitoe-like insects) were removed from the Payload Changeout Room.

* UoSAT-OSCAR-15 NEWS *

=======================

The team at Stanford, having succeeded in detecting local oscillator (LO) leakage from the UO-15 command receiver, are now listening when the satellite is in eclipse - to determine whether the on-board NiCd battery is functioning.

[From: G3YJO via OSCAR-11]

* JOIN THE RANKS! *

Interested in learning more about the Amateur Radio Service? For information on licensing requirements and operating privileges, write:

The American Radio Relay League
225 Main Street
Newington, Connecticut 06111
U.S.A.

* FEEDBACK WELCOMED *

Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

```
UUCP   : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
PACKET : KD2BD @ NN2Z.NJ.USA.NA

MAIL   : John A. Magliacane
         Department of Electronics Technology
         Brookdale Community College
         Newman Springs Road
         Lincroft, New Jersey 07738
         U.S.A.
```

<eof>

--
AMPR : KD2BD @ NN2Z (Neptune, NJ)
UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
"For every problem, there is one solution which is simple, neat and wrong." -- H.L. Mencken

```
From -6694522138394245114
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,2f57f24093e235ac
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,2f57f24093e235ac
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,2f57f24093e235ac
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-03-30 21:08:43 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!
zaphod.mps.ohio-state.edu!think!snorkelwacker!bloom-beacon!bu.edu!xylogics!
```

transfer!lectroid!jjmhome!cpoint!die
From: die@cpoint.UUCP (David I. Emery)
Newsgroups: rec.ham-radio.packet,rec.ham-radio,rec.radio.shortwave
Subject: Re: Packet(?) on commercial bands
Summary: It really isn't that secure
Keywords: simple cipher used
Message-ID: <4482@cpoint.UUCP>
Date: 31 Mar 90 05:08:43 GMT
References: <4978b8cc.15840@valley.UUCP> <1990Mar29.150643.14742@nebulus.UUCP>
Reply-To: die@cpoint.UUCP (David I. Emery)
Followup-To: rec.ham-radio.packet
Organization: Clearpoint Research Corp., Hopkinton Mass.
Lines: 44
Xref: gmdzi rec.ham-radio.packet:1989 rec.ham-radio:10570 rec.radio.shortwave:820
Posted: Sat Mar 31 06:08:43 1990

In article <1990Mar29.150643.14742@nebulus.UUCP> root@nebulus.UUCP (Dennis S. Breckenridge) writes:

>What you are hearing is "commercial packet" It is in MMP protocol. Even if you could capture the bits with your TNC you would spend the next three lifetimes decoding the packet. Security is top on the list when it comes to public safety. MMP is a proprietary Mobile Data International protocol.
>

I hate to burst your bubble, but I know of a fellow radio hacker who has been successfully copying mobile data terminal traffic in this and several other so called "secure" proprietary protocols. He uses modified commercial trunking capable radios with their built in FSK demods to receive the bits and a combination of a stand alone micro and an IBM PC clone to interpret the messages contained therin.

He says most of the bits are used for various forward error correction and parity schemes. Encryption seems mostly to mean using proprietary alphabets (substitution cipher), overlaying the message with a LFSR sequence (scrambling, such as used on many modems), and XORing the underlying message or sometimes the encoded data after adding the FEC bits with a fixed multibyte pattern that is changed from time to time. (For example he says IBM field service transmissions to their portable terminals seem to use a 4 byte sequence changed every day and different for each terminal)

I do not believe that aside from Motorola's line of DES based DVP products (which really do use DES in a quite strong mode) most two way radio security is very secure. I personally think it pretty inexcusable for the manufacturers of these devices not to use DES or some moral equivalent - merely deciding that the protocol is complicated and nobody out there is bright enough to figure it out is pretty stupid in my opinion....

Of course the fellow who broke these mobile data systems was trained by the military as a cryptanalyst twenty years ago, so perhaps that isn't completely fair. But there are people who do this sort of protocol software work for a living who wouldn't find it hard either.

--
David I. Emery   Clearpoint Research Corp.
35 Parkwood Dr, Hopkinton Ma. 01748 1-508-435-7462
{decvax, cybvax0, mirror}!frog!cpoint!die
{m2c}!jjmhome!cpoint!die,   Internet: die@cpoint.clearpoint.com

---

From -7868551122622549928
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4fab371fa347dff
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-30 21:47:57 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!lll-winken!uwm.edu!psuvax1!psuvm!cunyvm!byuvax!yoda!ldg
From: ldg@yoda.byu.edu
Newsgroups: rec.ham-radio
Subject: Re: Cellular phone salesmen story
Message-ID: <106ldg@yoda.byu.edu>
Date: 31 Mar 90 05:47:57 GMT
Lines: 7
Posted: Sat Mar 31 06:47:57 1990

I once heard a cellular phone salesman tell our radio club that their system could route a call, check your account, and transfer the call to a land line in 0.05 nanoseconds. During which time light could travel, what, a half inch? Isn't modern technology wonderful!

```
Lyle D. Gunderson N6KSZ | "Any technology without       | ldg@yoda.byu.edu
350 CB/BYU              | some attendant risk of misuse | CIS: 73760,2354
Provo UT 84602          | is probably trivial"          | GEnie: L.GUNDERSON
                        |             --Louise Kohl     | AO: LGunderson
```

From 7154375642101232360
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,232b856a5f682208,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-31 08:11:19 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!srcsip!uwm.edu!wuarchive!usc!ucsd!ucbvax!LEHIGH.BITNET!TWB0
From: TWB0@LEHIGH.BITNET ("Thomas Brown, KA2UGQ ", Lehigh University)
Newsgroups: rec.ham-radio
Subject: Re: Control Program for TS440
Message-ID: <9003311611.AA17031@ucbvax.Berkeley.EDU>
Date: 31 Mar 90 16:11:19 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Sat Mar 31 17:11:19 1990
X-Unparsable-Date: FRI MAR 30, 1990 15.45.56 EST

I have a number of control programs archived on my packet BBS at home which are written in C (good for UNIX portability which is what several people were looking for). Next time I'm there I'll see if I can make the source code available. I believe that I have one for Kenwood, Yaesu, and Icom (written by Phil Karn, KA9Q) radios.

73, Tom

```
.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.
Thomas Brown, KA2UGQ       BITNET: twb0@lehigh.bitnet
Lehigh University Box 855  ARPA: twb0%lehigh@ibm1.cc.lehigh.edu
Bethlehem, PA  18015       UUCP: ..!att!twb0@lehigh.bitnet
(215) 758-1200             AX.25: ka2ugq@ka2ugq.nj.usa.na (145.01 MHz)

Stress: The confusion caused when one's mind overrides the desire to
        choke the life out of someone who desperately deserves it.
```

From 6190779388840422110
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c8fba6ef16e72ee,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-31 10:04:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!mailrus!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jgrubs
From: jgrubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Fidonet reply to Karn
Message-ID: <TeTwg1w161w@w8grt.fidonet.org>
Date: 31 Mar 90 18:04:52 GMT
Organization: QRV de W8GRT
Lines: 75
Posted: Sat Mar 31 19:04:52 1990

(461)   Wed 28 Mar 90 12:58p
By: David Stark
To: Phil Karn
Re: ham changes
St:
```
-------------------------------------------------------------------------------
@EID:e643 147c6740
@MSGID: 1:260/218 3e0cc53c
@REPLY: 1:234/1 2b15ffcf
 > From: karn@ka9q.bellcore.com (Phil Karn)
 > Newsgroups: rec.ham-radio
 > Subject: Re: Increasing CW Speed
 > Message-ID: <21296@bellcore.bellcore.com>
 > Date: 25 Mar 90 22:23:08 GMT
 > References: <9003250020.AA12799@tecnet1.jcte.jcs.mil>
 > Sender: news@bellcore.bellcore.com
 > Reply-To: karn@ka9q.bellcore.com (Phil Karn)
 > Organization: Secular Humanists for No-Code
 > Lines: 60
```

>
>
> interested only in public service?") I would say two things. First, the
> amount of public service traffic carried by CW is nil; the action is on

OOOOOHH. You're gonna piss of the BPL folks! ;-)

> Our mainstay in the "public service" area for the past twenty years has
> been
> the FM repeater club whose members call in highway accidents and provide
> communications for the local March of Dimes Walkathon. In that twenty
> years, our technology has remained essentially unchanged. (Yes, we now

So have our traffic handling techniques vis-a-vis "real" emergencies. One must apply the lessons learned during the walkathon to network operation for nuke plant drills or actual disaster situations. Otherwise, the walkathon is not "training for public service"; it's a waste of time.

> other) from their cars. In my area (NNJ/NYC) I can say that cell phone
> antennas outnumber every other kind of mobile two-way antenna by a
> *very* healthy margin.

True in most metro areas, I'd bet.

> field) must become its single most important role. But if this is to have a
> ghost of a chance of happening, amateur radio is going to have to make
> some MAJOR changes. The no-code license is but the first step.

Including the attitude of many hams that "I'm the communications expert. Leave me alone and don't try to teach me anything" when public safety organizations like Red Cross, OEP, the police or whomever want to offer training to the local hams for disaster communications. The big selling point for ham radio over cellular or other two-way radio ops is that there is a large pool of people who own radios and have a tradition of being available as unpaid (the rules say we can't be paid anyway), TRAINABLE bodies that can replace or supplement an overloaded communications network in a disaster.

That selling point won't wash with organizations that have already had bad experiences with ham groups insisting on handling traffic their own way and trying to make command decisions without the training or authority to understand what is going on.

I was the Disaster Communications Chairman for the Monroe County Chapter of the Red Cross in Rochester, NY. Believe me when I tell you, ARES/RACES was the most difficult local volunteer group to deal with when it came to trying to get them to comply with Red Cross needs and procedures. This in spite of the fact that the person trying to train them was a licensed ham.

As one example, I was responisble for communications (for Red Cross) from the command post at a chemical plant fire in Brockport, NY a couple of years back. The NCS at the RARA club station, which is located near the OEP office downtown, pulled his radio operators out when _he_ felt the operation was over. Red Cross still needed radio operators for the recovery phase. The RACES Radio Officer decided that _he_ was in charge of the radio operators and would deploy and release them as he saw fit. This is typical of that organization in my area.

--- FD 1.99c
 * Origin: QRV de W8GRT (1:234/1)

From 7541291688550998548
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,23c368a09cd4348d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-31 13:09:19 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: arrl
Message-ID: <1471@n8emr.UUCP>
Date: 31 Mar 90 21:09:19 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 239
Posted: Sat Mar 31 22:09:19 1990

```
==============================================================
|         Relayed from packet radio via                  |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

ARRL Letter - March 16, 1990 - Volume 9, Number 5 - Page 1 of 3

ARRL COMMENTS IN NTIA SPECTRUM MANAGEMENT INQUIRY

The National Telecommunications and Information Administration (NTIA) which shares responsibility with the FCC for management of the radio spectrum, recently began a comprehensive policy review of the use and management of the radio frequency spectrum in the US. The NTIA Notice of Inquiry (NOI) was published in the Federal Register on December 8, 1989. The NOI invited comments from the public on a wide-ranging series of questions. (See ARRL Letter Volume 8, Number 25.)

On February 23, 1990 ARRL Counsel Chris Imlay, N3AKD filed comments on behalf of the League. In its opening comments ARRL said "The League has been a participant in the spectrum management process for its entire 76 years of existence -- virtually the entire history of radio regulation. From that time until the present, the history of radiocommunication [contains many] examples of concepts being developed and implemented by radio amateurs that subsequently were adopted by the commercial sector.

"While improvements in spectrum management policies are needed... the public interest cannot be measured solely in the economic terms of marketplace forces. Just as public policy requires that there be public parks and other open space for the nourishment of the human spirit, so must there be `open spaces' in the radio spectrum where the public can pursue personal, noncommercial ends. This is the essence of the Amateur Radio Service.

"The value of the Amateur Radio Service is recognized internationally... virtually every country in the world makes provisions for the licensing of radio amateurs... A close correlation has been noted between the extent to which a government encourages Amateur Radio, and the level of technical development achieved in that country.

"On behalf of present and future licensees in the Amateur Radio Service, the League respectfully urges that considerable weight be given to the protection of this access in the present proceeding."

The League commented on certain of the questions posed in NTIA's Notice of Inquiry including:

- Encouragement of spectrum-efficient technology:

"The greatest impediment to the introduction of new technology...is the lack of an incentive for more spectrum- efficient techniques to be implemented within each existing service... the opportunity to seek new allocations simply relieves services of the obligation to use their existing allocations to full efficiency. If a service, or those who regulate the service, cannot efficiently use a block, it is puzzling why they should be permitted to expand into other services' blocks.

"A case in point is the land mobile service's apparent inability to find a way of incorporating `narrowband technologies' into their existing extensive allocations instead of seeking reallocation of 220-222 MHz from the amateur service to land mobile. It would seem logical that if narrowband technologies were more efficient than existing FM communications in the land mobile bands, then these technologies could displace FM and make room for additional assignments within existing land mobile bands."

- Alternatives to apportioning and valuing spectrum:

"Any discussion of alternatives to the present system of apportioning and valuing spectrum should not overlook a primary Congressional objective: the promotion of safety of life and property through the use of wire and radio communications (Section 1, The Communications Act of 1934). The Amateur Radio Service exists as a non-commercial, volunteer-based system that provides critical life-and property-saving communication services at no cost to the public, private or government sectors.

"Congressional support for the Amateur Radio Service was expressed in Public Law 100-594... this law states the sense of Congress that `it strongly encourages and supports the Amateur Radio Service and its emergency communications efforts; and Government agencies shall take into account the valuable contributions made by amateur radio operators when considering actions affecting the Amateur Radio Service.'

... (Continued next page)

"In countless well-documented cases, Amateur Radio operators have stepped in to provide continuity of communications for government and non-government relief agents, as well as to the public, in disasters when normal communications links have been disrupted or completely severed. In such cases, the value of Amateur Radio is enormous relative to the amount of its allocated spectrum.

"The Amateur Radio Service, through participation by thousands of dedicated volunteers, provides a resource that could never be matched by commercial services. The very nature of the service requires that Amateur Radio operators be prohibited from accepting compensation for their communications services; however, this means they cannot afford to compete, head-to-head, with commercial interests that seek spectrum in order to provide services for monetary gain. A pure marketplace approach to spectrum management would work to the serious detriment of radio amateurs, and thus to the public interest.

"Thus, any alternatives to apportioning and valuing spectrum must take into consideration the following mandates:

1. Uses of radio that promote the safety of life and protection of property are entitled to special consideration.

2. Networks built and operated by volunteers that provide necessary services should be valued according to what it would cost to duplicate the services.

3. The value to the public of any particular communications service is not necessarily commensurate with the financial resources at its disposal; it is not in the public interest to apportion spectrum based solely or even largely on ability to pay.

4. The public is entitled to access to its own spectrum."

The League also commented on these issues:

- FCC allocation and assignment processes
- FCC reliance on private user groups for specific spectrum management functions
- Domestic coordination
- Strengths and weaknesses of existing domestic coordination process
- US preparation for ITU conferences
- The strengths and weaknesses of the block allocation system
- Possible amendment of definitions of radio services
- Increasing use of spectrum by non-licensed (Part 15) devices
- Revenue enhancement proposals
- Measuring spectrum use; private monitoring

ARRL concluded by saying, "As citizens who stand to be significantly affected by the policies adopted as a result of this proceeding, both as consumers of telecommunications services and as volunteer suppliers of such services, radio amateurs urge that those spectrum management practices which result in an artificial scarcity of spectrum be revised or replaced.

"However, in implementing new practices that encourage greater efficiency in the use of the radio spectrum, it must be recognized that they will have limited applicability to the Amateur Radio Service. Attempts to force-fit the Amateur Radio Service into a new system designed to encourage innovative uses of the spectrum will lead to the opposite result in one of the most innovative radio services now in existence."

FCC FORMS WARC-92 ADVISORY COMMITTEE

FCC Commissioner Sherrie Marshall and Francis Urbany, Director of International and Agency Relations, BellSouth Corporation have been appointed co-Chairpersons of the FCC's Advisory Committee for the World Administrative Radio Conference (WARC-92).

The Advisory Committee will counsel the Commission on the preparations for WARC-92 and will develop and make recommendations for the US proposals and positions on topics to be addressed at the conference.

ARRL Executive Vice President David Sumner, K1ZZ, has been named to serve as one of the 35 members of the FCC WARC Advisory Committee. Committee members were selected to represent a diversity of telecommunications interests and were drawn from both the business and the academic communities

FCC ISSUED CALL SIGN UPDATE

The following is a list of most recently issued FCC call signs (March 1).

DIST	GRP"A" Extra	GRP"B" Advanced	GRP"C" Tech/Gen	GRP"D" Novice
0	WZ0Y	KF0IM	N0LPK	KB0GAM
1	WD1N	KC1TX	N1HJS	KA1VFZ
2	WW2Q	KE2SE	N2KJU	KB2JOW
3	NY3R	KD3RF	N3HWQ	KA3VVM
4	AB4TW	KN4EZ	N4YHA	KC4OVY
5	AA5QS	KI5DF	N5QBM	KB5LUZ
6	AA6UH	KK6HJ	N6YBR	KC6JCV
7	AA7DO	KG7AX	N7OIZ	KB7JVU
8	WZ8W	KF8ES	N8LXN	KB8JFB
9	WO9Z	KE9VF	N9JIN	KB9EDT
Guam	KH2M	AH2CF	KH2EI	WH2AMK
Hawaii	***	AH6KH	NH6WB	WH6CGU
Alaska	***	AL7LX	NL7TN	WL7BXE
USVI	NP2F	KP2BT	NP2DP	WP2AHA
P.R.	***	KP4QN	WP4XK	WP4IUH

*** indicates that all 2 x 1 call signs have been assigned in those areas.

The N-prefixed Group C (1X3) call# signs blocks for the fourth and sixth call districts have nearly all been assigned. After N4ZZZ and N6ZZZ have been issued, FCC will begin assigning calls from the Group D (2X3) call sign block.

OTHER FCC NEWS

Ervin S. Duggan was sworn in on February 28 as an FCC Commissioner by FCC Chairman Alfred C. Sikes. Commissioner Duggan succeeds former Commissioner Patricia Diaz Dennis. This brings the FCC to its full complement of 5 Commissioners.

An FCC Notice of Proposed Rule Making in PR Docket 90-100, released on March 7, proposes to relocate the Novice and Technician segment of the 80 meter band from 3700-3750 kHz to 3675-3725 kHz. The Commission believes that this relocation will reduce interference to and from Canadian amateurs. FCC is asking for comments with respect to the level of interference in the current Novice and Technician segment and how the proposed frequency move would impact current amateur operations. Amateurs may file comments on or before June 15, 1990, and reply comments on or before July 13, 1990.

Responding to an ARRL proposal (RM-6512), FCC has relocated automatic beacon operation in the 2 meter and 70 cm amateur bands (PR Docket 89-65). On 2 meters the band segment has changed from 144.05-144.06 MHz to 144.275-144.300 MHz and on 70 cm from 432.07-432.08 MHz to 432.300-432.400 MHz. ARRL also requested relocation of the 220 MHz beacon subband from 220.05-220.06 MHz to 220.275-220.300 MHz. FCC denied this portion of the request. Effective date of the change is May 18.

"NORTH POLE 90" EXPEDITION UNDERWAY

A joint UK/USSR expedition is underway with the two British members of the team attempting to reach the north pole on foot. The expedition "ice team" consists of Dr. Mike Stroud and Sir Randulph Fiennes. Their progress will be monitored from 2 base camps, one located towards the end of the expedition on the moving Arctic Ocean ice at approximately 86 degrees North Latitude and the other on Sredniy Island at the tip of the Soviet Union.

Two special event calls will be used. GB4MSS at Sredniy base camp and GB4ICE at the forward base camp on the ice. The main base station GB4MSS will be active during March with GB4ICE signing on in April. Both stations will be active on most HF frequencies. GB4MSS will also be active on OSCAR 10, OSCAR 13, RS10 and RS11. In addition, GB4MSS will upload weather and other information on the expedition to the Digital Communications experiment (DCE) on board UoSAT 2 (OSCAR 11). This information will then be made available on packet bulletin boards, worldwide.

Special QSL cards are available from the expedition's QSL manager Ian Crockford, GM1AUZ.

From -9013312621170931982
X-Google-Language: ENGLISH,ASCII-7-bit

```
X-Google-Thread: 10c9e3,622a40073bacba4e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-31 17:26:31 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!lll-winken!uwm.edu!
zaphod.mps.ohio-state.edu!mips!apple!rutgers!texbell!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Code vs No-Code
Message-ID: <4D8+B9@splut.conmicro.com>
Date: 1 Apr 90 01:26:31 GMT
References: <9003261758.AA23970@ti.com> <30500486@ux1.cso.uiuc.edu>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 12
Posted: Sun Apr  1 02:26:31 1990

In article <30500486@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>The 90-55 proposal stinks because it ruins ham radio and sets up a nocode
>system that is doomed and will reap worse sentiments among hams than was
>ever imagined with incentive licensing.

Couldn't have said it better myself, Phil.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
attctc, RIP. It was nice knowing ya +---------------------------------------
  "Flying is a lot more fun than being in the Senate." -- Senator Jake Garn


From -1210437804839550960
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a6e516a205ebc903,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-01 06:36:00 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!tut.cis.ohio-state.edu!ucbvax!
COLOSPGS.BITNET!RBMURDOC
From: RBMURDOC@COLOSPGS.BITNET
Newsgroups: rec.ham-radio
Subject: Re: Heathkit Info
Message-ID: <9004020605.AA12497@ucbvax.Berkeley.EDU>
Date: 1 Apr 90 13:36:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 36
Posted: Sun Apr  1 14:36:00 1990

allbery@NCoast.ORG (Brandon S. Allbery) writes in article
        <1990Mar31.020339.14162@NCoast.ORG>...
>I discovered earlier this week that the Cleveland area's only remaining
>Heathkit store is no more.  Is Heathkit gone?  If not, where and to whom do I
>write to get a catalog?
```

I believe there is still a Heathkit store near the Westminster Mall in Westminster (metro Denver), Colorado - but most people wouldn't be interested in that. I got a catalog about 6 months ago from Heathkit; heres the address & phone number...

Heath Company
P.O. Box 1288
Benton Harbor, MI 49022

Orders: 1-800/253-0570, 24 hours a day.
(the catalog has several other phone numbers)

Hope this helps... -Robert

Robert B. Murdock
University of Colorado at Colorado Springs

```
*-------------------------------------------*
| BITnet:   rbmurdock@colospgs              |
| INTERnet: rbmurdoc@colospgs.bitnet        |
| ARPAnet:  rbmurdock@colospgs.EDU          |
| UUnet:    uunet!colospgs.bitnet!RBMURDOC  |
| DECnet:   UCCS::RBMURDOCK                 |
| GEnie:    R.MURDOCK                       |
| FIDOnet:  1:128/16.0 Robert Murdock       |
| NCIC:     CO0210001, TO: MURDOCK x6365    |
| CCIC:     ELP, TO: MURDOCK x6365          |
| PLATO:    bob murdock/dialup/cerl         |
| MAbell:   719/637-1820                    |
*-------------------------------------------*
```

From 4845442343391528810
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6bbec815de67ad0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-01 09:42:13 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!think!zaphod.mps.ohio-state.edu!mips!prls!philabs!briar.philips.com!rfc
From: rfc@briar.philips.com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Peru EME
Keywords: 432Mhz
Message-ID: <90407@philabs.Philips.Com>
Date: 1 Apr 90 16:42:13 GMT
Sender: news@philabs.Philips.Com
Lines: 25
Posted: Sun Apr 1 17:42:13 1990

copied from packet:

```
 Msg# TSF  Size #Rd Date/Time MsgID        From   To
23298 BF   2594   1 0317/1223 6188_OA4O    OA4PQ  ALL@ARL ()
```

Sb: Peru on EME

Lima,Peru.Date:17 March 1990.Time:1628UTC

Radio Club Peruano, OA4O is pleased to anounce that its EME Station on 432MHZ started operations today receiving clearly the signals from K2UYH and KB8ZW on CW at 1220UTC and 1240UTC. We had initially hward our own echos. Tomorrow we will be transmitting withour 1.5KW transmitter and 27 foot dish computer controlled. We have checked in at the EME Net with K2UYH who is preparing the schedules for future schedules.We would be most pleased to arrange schedules with all those interested in working Lima,Peru on 432MHZ via the moon.

Our address:P.O.Box 538,Lima,Peru
.Phone[(5114)458134.Fax(5114)462408.BBS:OA4O,Node:Lima-1,

Frequency:28103kc.Forwading:N8GTC. EME Station:OA4O. Frequency 432,006MHZ.
Our next window:31 March 1800UTC to 0200UTC of April
1,1990.Regards.Alfonso,OA4PQ@OA4O.Lima.Peru.Sa.

1616z, 819 msgs, #23321 last @KD6TH-4 MailBox>

From 1173190905195244779
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,332e57cbe9ec77e7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-01 11:30:23 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!iuvax!mailrus!cs.utexas.edu!texbell!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Happy Times are here Again
Message-ID: <L88+M.@splut.conmicro.com>
Date: 1 Apr 90 18:30:23 GMT
References: <900327-152339-2635@Xerox> <1990Mar31.015717.14063@NCoast.ORG>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 23
Posted: Sun Apr 1 19:30:23 1990

In article <1990Mar31.015717.14063@NCoast.ORG> allbery@ncoast.ORG (Brandon S. Allbery) writes:
>73's,
>++Brandon (pending receipt of my Novice ticket)

Congratulations, Brandon!

For those of you who don't know him, Brandon is one of the hardest workers on Usenet. He moderates comp.sources.misc, generally keeping the group's quality high and the content useful (even though he DID accept a submission from me! :-), and contributes thoughtful, cogent articles on a wide variety of other subjects. He's one of the most respected people on the net.

He took the time to learn code and get his ham ticket. That says good things about ham radio - someone who's that busy making the time to fulfill the requirements for a ham ticket says that he thinks he'd get something out of it, and wants it bad enough to do what's needed.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
attctc, RIP. It was nice knowing ya +-------------------------------------
  "Flying is a lot more fun than being in the Senate." -- Senator Jake Garn
```

From 4807125134783620536
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c493de2ce557d1e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-01 11:39:04 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!tut.cis.ohio-state.edu!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9004020604.AA12441@ucbvax.Berkeley.EDU>
Date: 1 Apr 90 18:39:04 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 324
Posted: Sun Apr 1 19:39:04 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #671 -
Alouette 1
1 00424U 62B-A  1 90 85.87533969  .00000287  00000-0  33449-3 0  2662
2 00424  80.4673   7.2223 0023710 121.3444 239.0057 13.67315063371448
ATS 3
1 03029U 67111  A 90 85.19999999 -.00000075  00000-0  99999-4 0  3105
2 03029  13.0950  21.8870 1511700 213.0960 275.0970  1.00274572 81968
Cosmos 398
1 04966U 71 16  A 90 86.81381975  .00063898  16903-4  37776-3 0  7128
2 04966  51.5246  81.1326 2340999 355.3604   2.8502 10.91007940582758
Starlette
1 07646U 75010  A 90 79.35466968  .00000024  00000-0  66758-4 0   182
2 07646  49.8262 149.0019 0205982 257.7547 100.0210 13.82133620763495
LAGEOS
```

```
1 08820U 76039  A 90 84.17564747  .00000003  00000-0  00000 0 0   358
2 08820 109.8583 326.3520 0044613 256.1711 103.4118  6.38664410 68578
GPS-0001
1 10684U 78020  A 90 83.17253213  .00000008  00000-0  99999-4 0  3520
2 10684  63.7308  92.3634 0112562 201.4876 158.1111  2.00561634 74141
GPS-0002
1 10893U 78 47  A 90 82.14627732 -.00000026  00000-0  00000 0 0  1055
2 10893  64.4203 333.0787 0162656  25.6016 335.2470  2.00548034 86946
SeaSat 1
1 10967U 78064  A 90 85.19393295  .00001922  00000-0  71021-3 0  2510
2 10967 108.0163 148.9230 0001889 255.0907 105.0040 14.35504750614549
GPS-0003
1 11054U 78093  A 90 84.93638282 -.00000025  00000-0  00000 0 0  1854
2 11054  63.9614 329.3120 0091431 114.6762 246.3567  2.00566593 84019
Nimbus 7
1 11080U 78098  A 90 79.64417161  .00000099  00000-0  11973-3 0  6367
2 11080  99.2002 346.5520 0008828 324.6704  35.3873 13.83406562575791
GPS-0004
1 11141U 78112  A 90 86.02921549  .00000008  00000-0  00000 0 0  2925
2 11141  63.6655  92.0255 0060461 315.9646  43.5902  2.00560996 82735
GPS-0005
1 11690U 80 11  A 90 83.17769374  .00000009  00000-0  00000 0 0  9203
2 11690  64.1576  94.1242 0113550 204.1021 155.4346  2.00556806 88539
GPS-0006
1 11783U 80 32  A 90 81.49404736 -.00000025  00000-0  00000 0 0   705
2 11783  63.7464 329.0017 0149884  59.9932 301.5424  2.00574077 72588
GOES 5
1 12472U 81049  A 90 83.90277584 -.00000235  00000-0  99999-4 0  8393
2 12472   3.2581  76.8719 0005155 223.6361 136.7513  1.00246638 31408
DE 1
1 12624U 81 70  A 90 85.14451002 -.00000085  00000-0 -56826-3 0  3494
2 12624  89.0672 148.6785 6215186 309.8739  10.2093  3.51023267259208
SME
1 12887U 81100  A 90 86.16240197  .00052073  00000-0  11206-2 0  5387
2 12887  97.6499 128.9611 0001852 344.3202  15.8112 15.44465227468583
Salyut 7
1 13138U 82 33  A 90 86.87371872  .00034655  00000-0  46804-3 0  1279
2 13138  51.6060 354.0368 0001107 125.3432 234.7862 15.57428948452156
Cosmos 1383
1 13301U 82 66  A 90 73.88623749  .00000152  00000-0  16695-3 0  5417
2 13301  82.9322   9.8816 0029351  60.6296 299.7765 13.67807233384782
LandSat 4
1 13367U 82 72  A 90 86.96260791  .00000652  00000-0  15450-3 0  2637
2 13367  98.1753 151.0562 0003898  50.0279 310.1271 14.57142931409472
IRAS
1 13777U 83  4  A 90 82.51381876 -.00000042  00000-0 -16850-4 0  7279
2 13777  99.0328 280.6158 0012204 262.0151  97.9630 13.98751998 34960
Cosmos 1447
1 13916U 83 21  A 90 86.05503322  .00000158  00000-0  15509-3 0  6799
2 13916  82.9415  72.7763 0039244  10.5971 349.6037 13.74019365351390
TDRS 1
1 13969U 83 26  B 90 84.89757252 -.00000205  00000-0  00000 0 0  9428
2 13969   4.2780  66.5769 0007904 264.2836  96.0492  1.00265947 92242
```

```
GOES 6
1 14050U 83 41  A 90 86.08714174  .00000121  00000-0  00000 0 0  1008
2 14050   2.0232  79.2376 0003220 240.8022 119.8260  1.00259876  9442
OSCAR 10
1 14129U 83 58  B 90 84.27862046 -.00000064  00000-0  00000 0 0  4622
2 14129  25.9479 212.4769 5985025 129.1636 301.2066  2.05882684 23004
GPS-0008
1 14189U 83 72  A 90 85.57040254  .00000007  00000-0  99999-4 0  7288
2 14189  63.3185  90.4822 0146634 219.0181 139.9279  2.00708999 49100
LandSat 5
1 14780U 84 21  A 90 87.05772954 -.00000736  00000-0 -15805-3 0   809
2 14780  98.2142 148.3041 0003286 126.1180 234.0368 14.57126761322909
UoSat 2
1 14781U 84 21  B 90 86.14190031  .00002602  00000-0  49286-3 0  6391
2 14781  97.9630 141.3660 0012026 141.7015 218.5388 14.65066797323956
GPS-0009
1 15039U 84 59  A 90 86.63542429  .00000007  00000-0  00000 0 0  8593
2 15039  63.0655  89.6634 0021135 246.1542 113.6577  2.00563725 42407
Cosmos 1574
1 15055U 84 62  A 90 83.03701959  .00000125  00000-0  12379-3 0  8329
2 15055  82.9595 125.0895 0026361 197.6005 162.4253 13.73334744288383
GPS-0010
1 15271U 84 97  A 90 85.53219523 -.00000025  00000-0  00000 0 0  7665
2 15271  63.2547 328.4735 0105888 325.7374  33.6555  2.00573492 39492
Cosmos 1602
1 15331U 84105  A 90 86.42769812  .00006446  00000-0  89563-3 0  1922
2 15331  82.5340  76.6611 0021130 236.7697 123.1520 14.77600893296018
NOAA 9
1 15427U 84123  A 90 86.52400184  .00001096  00000-0  61384-3 0  4967
2 15427  99.1666  84.4674 0014440 236.1030 123.8749 14.12495397272458
Cosmos 1686
1 16095U 85 86  A 90 87.00205539  .00042313  00000-0  56897-3 0  5308
2 16095  51.6069 353.3914 0001397 135.0631 225.1214 15.57451512253279
GPS-0011
1 16129U 85 93  A 90 83.70302040  .00000008  00000-0  00000 0 0  4408
2 16129  63.9058  90.4109 0121373 150.9460 209.9844  2.00554384 32661
Mir
1 16609U 86 17  A 90 86.88569158  .00034801  00000-0  41161-3 0  4961
2 16609  51.6186  20.1471 0013614 325.7994  34.2479 15.60830891235404
SPOT 1
1 16613U 86 19  A 90 86.05661483  .00001467  00000-0  70677-3 0  8130
2 16613  98.7068 161.6538 0002000  89.5387 270.6020 14.20041749 52274
Cosmos 1766
1 16881U          90 86.46295988  .00004720  00000-0  66182-3 0  8974
2 16881  82.5210 135.7785 0020136 253.5721 106.3296 14.77173918197087
EGP
1 16908U 86 61  A 90 82.38362287 -.00000047  00000-0 -56053-4 0  1722
2 16908  50.0128 159.7805 0011412 340.8346  19.2058 12.44385776164175
NOAA 10
1 16969U 86 73  A 90 86.53414345  .00001025  00000-0  46693-3 0  3574
2 16969  98.6072 116.2835 0014202 144.0843 216.1298 14.23515237182995
MOS-1
1 17527U 87 18  A 90 86.08329478  .00000531  00000-0  42007-3 0  4495
```

```
2 17527  99.1153 159.6712 0000856  76.1437 283.9837 13.94883986157811
GOES 7
1 17561U 87 22  A 90 85.78807102 -.00000044  00000-0  99999-4 0  4481
2 17561   0.0555 127.9949 0006720 242.1433 349.8971  1.00272941  4597
Kvant-1
1 17845U 87 30  A 90 86.94974008  .00023781  00000-0  28369-3 0   349
2 17845  51.6215  19.8265 0013458 325.6376  34.5436 15.60828324171464
DMSP B5D2-3
1 18123U 87 53  A 90 86.53788568  .00001317  00000-0  71316-3 0  5125
2 18123  98.8203 278.2284 0013689 253.7413 106.2254 14.13932918142864
RS-10/11
1 18129U 87 54  A 90 86.12911367  .00000138  00000-0  14025-3 0   806
2 18129  82.9260  29.1455 0012687 353.5163   6.5678 13.72070282138192
Meteor 2-17
1 18820U 88  5  A 90 85.36624882  .00000157  00000-0  13071-3 0  2093
2 18820  82.5390  56.2908 0015895 193.2552 166.8196 13.84302765108727
DMSP B5D2-4
1 18822U 88  6  A 90 86.54656080  .00001222  00000-0  57710-3 0  4276
2 18822  98.6596 327.2237 0007198 140.1184 220.0529 14.21334660111223
AO-13
1 19216U 88 51  B 90 84.34076849 -.00000112  00000-0  99999-4 0   831
2 19216  57.0247 162.9141 6918075 223.7284  54.0834  2.09703072 13642
OKEAN 1
1 19274U 88 56  A 90 86.08081456  .00004944  00000-0  70270-3 0  6891
2 19274  82.5148 234.7373 0023013  33.9258 326.3476 14.76566209 92807
Meteor 3-2
1 19336U 88 64  A 90 85.22380357  .00000391  00000-0  99999-3 0  3939
2 19336  82.5474 336.1353 0017964 155.4164 204.7931 13.16883450 80037
NOAA 11
1 19531U 88 89  A 90 86.51089540  .00001007  00000-0  57517-3 0  2132
2 19531  98.9742  34.7668 0012718 150.1926 209.9970 14.11508477 77443
TDRS 2
1 19548U 88 91  B 90 82.97117171  .00000131  00000-0  99999-4 0   801
2 19548   0.0121 357.6623 0002549  22.4447 339.6491  1.00276223  4594
Cosmos 2001
1 19796U 89 11  A 90 85.45017627 -.00001044  00000-0  99999-4 0  4089
2 19796  63.0829 103.4600 7126476 319.8552   5.0564  2.00678134  8146
GPS BII-01
1 19802U 89 13  A 90 84.20620273  .00000016  00000-0  99999-4 0   733
2 19802  55.0674 200.7245 0059398 159.4655 200.7139  2.00562044  8067
Akebono
1 19822U 89 16  A 90 84.96167583  .00019634  00000-0  13593-2 0  4870
2 19822  75.1519 279.3011 4199944 274.6538  40.0369  7.06708446 27531
Meteor 2-18
1 19851U 89 18  A 90 85.09920047  .00000189  00000-0  16080-3 0  1597
2 19851  82.5208 294.6685 0012844 239.4688 120.5208 13.83950279 54071
TDRS 3
1 19883U 89 21  B 90 73.63596307 -.00000234  00000-0  99999-4 0   571
2 19883   0.0121 142.7301 0004020 162.5881  54.6626  1.00271148  2948
GPS BII-02
1 20061U 89 44  A 90 84.88812907 -.00000032  00000-0  00000 0 0   534
2 20061  54.7360  19.2046 0082149 173.1235 186.9879  2.00562067  5825
Nadezhda
```

```
1 20103U 89 50  A 90 85.20371224  .00000157  00000-0  15693-3 0   879
2 20103  82.9619 346.1737 0036355 271.2169  88.4836 13.73573262 36324
GPS BII-03
1 20185U 89 64  A 90 84.85765043  .00000016  00000-0  99999-4 0   506
2 20185  54.9240 201.5454 0026080 146.4732 213.6690  2.00561278  4390
Activnyi
1 20261U 89 80  A 90 86.94034152  .00011439  00000-0  36092-2 0  3586
2 20261  82.5888 280.1329 1259710 161.9898 203.0542 12.43418405 22499
Activnyi RB
1 20262U 89 80  C 90 85.10399389  .00001390  00000-0  43619-3 0  1497
2 20262  82.5920 281.3122 1261184 166.2028 197.7270 12.43034056 22260
Magion 2
1 20281U 89 80  B 90 86.92430850  .00010455  00000-0  32795-2 0  3720
2 20281  82.5883 280.0986 1259741 161.9576 203.0924 12.43596691 22499
GPS BII-04
1 20302U 89 85  A 90 83.59101463 -.00000029  00000-0  99999-4 0   448
2 20302  54.6854 320.5035 0038653 316.5649  43.1813  2.00569262  3058
Meteor 3-3
1 20305U 89 86  A 90 85.03473964  .00000021  00000-0  41488-4 0   688
2 20305  82.5458 276.6453 0015145 173.6925 186.4455 13.15852730 20017
INTELSAT-6A
1 20315U 89 87  A 90 82.60216427 -.00000223  00000-0  99999-4 0   347
2 20315   0.0542 285.6905 0011044 328.3023 105.8759  1.00275106  1435
COBE
1 20322U 89 89  A 90 86.05594312  .00005131  00000-0  34080-2 0   656
2 20322  99.0205  97.1461 0006545 234.7971 125.2865 14.01620680 17989
Kvant-2
1 20335U 89 93  A 90 86.94977015  .00012013  00000-0  14669-3 0  1524
2 20335  51.6228  19.8232 0012979 326.2622  34.0875 15.60821796 19063
GPS BII-05
1 20361U 89 97  A 90 85.37752912  .00000016  00000-0  99999-4 0   192
2 20361  54.9694 143.6304 0059986  62.3433 298.3547  2.00578066  2060
SPOT 2
1 20436U 90  5  A 90 86.09190053  .00001458  00000-0  70215-3 0   749
2 20436  98.7144 161.6950 0000893  90.2137 269.9067 14.20045785  9093
UO-14
1 20437U 90  5  B 90 85.18004452  .00000842  00000-0  35167-3 0   402
2 20437  98.7000 161.5159 0012097  39.3460 320.8598 14.28528043  9016
UO-15
1 20438U 90  5  C 90 86.24060707  .00001950  00000-0  79683-3 0   352
2 20438  98.7054 162.5787 0011219  43.3016 316.8975 14.28309610  9168
PACSAT
1 20439U 90  5  D 90 87.06694798  .00000796  00000-0  33264-3 0   348
2 20439  98.7141 163.4552 0012645  33.6137 326.5917 14.28633402  9282
DO-17
1 20440U 90  5  E 90 85.24450925  .00000768  00000-0  32146-3 0   257
2 20440  98.7146 161.6407 0012520  38.9057 321.3145 14.28665661  9029
WO-18
1 20441U 90  5  F 90 85.23954507  .00000677  00000-0  28462-3 0   224
2 20441  98.7117 161.6374 0013280  38.6607 321.5599 14.28773964  9024
LO-19
1 20442U 90  5  G 90 85.23654442  .00000715  00000-0  29950-3 0   293
2 20442  98.7067 161.6352 0013415  39.8421 320.3841 14.28842923  9021
```

```
GPS BII-06
1 20452U 90  8  A 90 83.59839905 -.00000000  00000-0  99999-4 0   258
2 20452  54.6279 259.4333 0035050  59.4427 300.8885  2.00567086  1143
Cosmos 2057
1 20457U          90 60.41396968 0.00615956  39350-4  26857-3 0   942
2 20457  62.8210 195.0039 0138628 118.4735 243.0622 16.03448844  5582
1990 010B
1 20466U          90 57.13960967 0.00001501           22415-3 0   174
2 20466  82.5064 301.6148 0022858 187.2711 172.8185 14.74059308  3927
PRC-26
1 20473U 90 11  A 90 71.25642786 -.00000262  00000-0  99999-4 0   366
2 20473   0.0912 295.7660 0000216  40.4684  23.7389  1.00268398   368
1990 011B
1 20474U 90 11  B 90 70.45931368  .00008564  00000-0  28596-2 0   191
2 20474  30.5413 293.8454 7260425 199.4213 103.2645  2.30231055   760
1990 012A
1 20476U 90 12  A 90 71.70450279  .00268139  16276-4  75305-3 0  1026
2 20476  65.8265 286.7895 1285784 133.0880 238.5288 13.26692660  4478
1990 012B
1 20477U 90 12  B 90 71.81006393  .00478087  17407-4  86754-3 0  1182
2 20477  65.8383 285.2297 1215139 132.0593 239.0520 13.46529432  4526
MOS-1B
1 20478U 90 13  A 90 86.89758534 -.00003422  00000-0 -25401-2 0  1074
2 20478  99.1941 157.4381 0000515 114.9840 245.1322 13.94818028  6800
1990 013B
1 20479U 90 13  B 90 66.25543317 -.00000045  00000-0 -73232-4 0   191
2 20479  99.0518 131.9584 0540229 279.3893  74.6534 12.83148607  3675
FO-20
1 20480U 90 13  C 90 85.20385752  .00000096  00000-0  26566-3 0   197
2 20480  99.0520 147.3503 0540825 236.3713 118.4676 12.83121017  6109
1990 013D
1 20491U          90 76.04757038 -.00000440          -80625-3 0   187
2 20491  99.0578 140.9896 0470398 247.0098 108.0736 13.02713573  4409
Soyuz TM-9
1 20494U 90 14  A 90 86.94973764  .00037250  00000-0  43974-3 0   577
2 20494  51.6245  19.8221 0014056 327.4318  32.7350 15.60840794  6988
1990 015A
1 20496U          90 72.61405566 0.00006039           38701-3 0   341
2 20496  43.1160 127.2684 0012138 129.2385 230.9548 15.09120691  4079
1990 015B
1 20497U          90 72.51517909 0.00010921           33808-3 0   355
2 20497  43.1034 122.8931 0010853  90.0585 270.1507 15.33471906  4138
1990 015C
1 20498U          90 81.09953213 0.00059706           13764-2 0   454
2 20498  41.6300  68.4127 0038152  27.2360 333.0469 15.40934956  5476
Raduga 25
1 20499U          90 81.06833755 0.00000001           10000-3 0   400
2 20499   1.4006 274.1312 0004873 103.7390 255.0465  1.00264606   352
1990 016D
1 20502U          90 77.10221800 0.00000123           10000-3 0   109
2 20502   1.4372 273.2882 0037369  63.7706 295.8480  1.00012617   337
Nadezhda 2
1 20508U 90 17  A 90 85.23782595  .00000181  00000-0  18334-3 0   123
```

```
2 20508  82.9516 121.0730 0043370 215.3397 144.4908 13.73190935  3621
1990 017B
1 20509U          90 81.28160896 0.00000406           41640-3 0   273
2 20509  82.9513 123.9577 0041369 204.1738 155.7476 13.74430108  3085
OKEAN 2
1 20510U          90 86.47696350  .00006017  00000-0  93475-3 0   368
2 20510  82.5305 172.9438 0020069 174.8521 185.2865 14.72820237  4041
1990 018B
1 20511U          90 80.96956445 0.00000974           14812-3 0   139
2 20511  82.5297 177.9994 0019337 194.1890 165.8777 14.72989964  3233
Progress M3
1 20513U 90 20  A 90 87.01379027  .00043556  00000-0  51244-3 0   370
2 20513  51.6164  19.4930 0014342 323.5380  36.7960 15.60852249  4232
INTELSAT-6
1 20523U 90 21  A 90 86.09204134  .00000089  00000-0  00000 0 0   302
2 20523  28.3473  81.8747 0018376  30.0423 331.1809 15.02904355  2082
1990 021B
1 20524U 90 21  B 90 86.97445435  .04647913 -37131-4  60659-4 0   422
2 20524  28.6013  68.5041 0035291 251.3462 108.5985 16.45449032  2187
Cosmos 2060
1 20525U          90 80.85238791 0.00022990           38028-3 0   170
2 20525  65.0280  54.3347 0009493 268.0793  91.9542 15.52155137  1122
Cosmos 2061
1 20527U          90 80.90087557 -.00000544          -61207-3 0   101
2 20527  82.9381 210.3131 0029860 268.2907  91.4830 13.71236145   265
1990 023B
1 20528U          90 81.33614906 0.00000006                   0    48
2 20528  82.9369 209.9951 0023631 257.4823 102.3690 13.72754896   314
1990 024A
1 20529U          90 82.03685358 0.00140215           91205-4 0    56
2 20529  82.3253 315.0965 0027866 145.4003 212.6610 16.16322684   128
1990 024B
1 20530U          90 82.09530506 0.06612521 -54597-5  71783-3 0    42
2 20530  82.3192 315.0501 0017698 100.5402 260.2226 16.36876750   138
--
Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology
```

```
From 8610513476780802266
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4d3fa46467638c7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-01 11:39:33 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!tut.cis.ohio-state.edu!ucbvax!
BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletin Format
Message-ID: <9004020602.AA12330@ucbvax.Berkeley.EDU>
Date: 1 Apr 90 18:39:33 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
```

Lines: 69
Posted: Sun Apr 1 19:39:33 1990

As a service to the satellite user community, the following description of the NASA Prediction Bulletin's two-line orbital element set format is uploaded to sci.space on a monthly basis. The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

Data for each satellite consists of three lines in the following format:

```
AAAAAAAAAAA
1 NNNNNU NNNNNAAA NNNNN.NNNNNNNN +.NNNNNNNN +NNNNN-N +NNNNN-N N NNNNN
2 NNNNN NNN.NNNN NNN.NNNN NNNNNNN NNN.NNNN NNN.NNNN NN.NNNNNNNNNNNNNN
```

Line 1 is a eleven-character name.

Lines 2 and 3 are the standard Two-Line Orbital Element Set Format identical to that used by NASA and NORAD. The format description is:

Line 2

Column	Description
01-01	Line Number of Element Data
03-07	Satellite Number
10-11	International Designator (Last two digits of launch year)
12-14	International Designator (Launch number of the year)
15-17	International Designator (Piece of launch)
19-20	Epoch Year (Last two digits of year)
21-32	Epoch (Julian Day and fractional portion of the day)
34-43	First Time Derivative of the Mean Motion or Ballistic Coefficient (Depending on ephemeris type)
45-52	Second Time Derivative of Mean Motion (decimal point assumed; blank if N/A)
54-61	BSTAR drag term if GP4 general perturbation theory was used. Otherwise, radiation pressure coefficient. (Decimal point assumed)
63-63	Ephemeris type
65-68	Element number
69-69	Check Sum (Modulo 10) (Letters, blanks, periods = 0; minus sign = 1; plus sign = 2)

Line 3

Column	Description
01-01	Line Number of Element Data
03-07	Satellite Number
09-16	Inclination [Degrees]
18-25	Right Ascension of the Ascending Node [Degrees]
27-33	Eccentricity (decimal point assumed)
35-42	Argument of Perigee [Degrees]

```
 44-51     Mean Anomaly [Degrees]
 53-63     Mean Motion [Revs per day]
 64-68     Revolution number at epoch [Revs]
 69-69     Check Sum (Modulo 10)
```

All other columns are blank or fixed.

Example:

```
NOAA 6
1 11416U          86 50.28438588 0.00000140           67960-4 0  5293
2 11416  98.5105  69.3305 0012788  63.2828 296.9658 14.24899292346978
```

Note that the International Designator fields are usually blank, as issued in the NASA Prediction Bulletins.

```
--
Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology
```

From -5794878479191808045
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aa7082ad7357475e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-01 14:14:01 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!ucsd!helios.ee.lbl.gov!hellgate.utah.edu!uplherc!wicat!keithm
From: keithm@wicat.UUCP (Keith McQueen)
Newsgroups: rec.ham-radio
Subject: Re: V31BB
Message-ID: <449@wicat.UUCP>
Date: 1 Apr 90 21:14:01 GMT
References: <19801@ea.ecn.purdue.edu> <26992@ut-emx.UUCP> <1990Mar28.064230.1692@agate.berkeley.edu>
Reply-To: keithm@wicat.UUCP (Keith McQueen)
Organization: WICAT Systems, Orem, Utah
Lines: 9
Posted: Sun Apr 1 22:14:01 1990

This guy burned me once too.

```
Is it possible to "impeach" a ham in another country?  >8-)
                   ^^^^^^^
                   pick your own favorite word...
```

```
--
 Keith McQueen, Wicat Systems Inc. , (801)224-6400      | My opinions are |
 N7HMF @ NV7V (84058), 147.34+, 147.28+, 449.675-       | all mine...     |
```

From -2715594740987860450
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,e21a277e76179962,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-01 15:51:19 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!usc!cs.utexas.edu!hp-sdd!hp-pcd!hpspkla!summers
From: summers@hpspkla.spk.hp.com (Jim B. Summers)
Newsgroups: rec.ham-radio
Subject: RF + Metal Siding = ?
Message-ID: <4630012@hpspkla.spk.hp.com>
Date: 1 Apr 90 22:51:19 GMT
Organization: Hewlett Packard Company, Spokane, Wa.
Lines: 12
Posted: Sun Apr 1 23:51:19 1990

I am considering having metal (steel) siding installed on my home and would be interested in hearing about any bad experiences anyone might have had with metal siding in a high RF environment (close to HF antennas). I am not worried so much about the effects of the siding on antenna impedance / radiation pattern, but more the possibility that corrosion could produce rectifying contacts which could generate harmonic energy.

Thanks in advance for any info.

Jim Summers KD7F

From -2476049747205072612
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,89b7744be275eedf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-01 16:55:59 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!ucdavis!csusac!mmsac!jim
From: jim@mmsac.UUCP (Jim Lips Earl)
Newsgroups: rec.ham-radio
Subject: Re: 49Mhz conversion question
Message-ID: <5337@mmsac.UUCP>
Date: 1 Apr 90 23:55:59 GMT
References: <1690050@hpfcmgw.HP.COM>
Lines: 22
Posted: Mon Apr 2 00:55:59 1990
In-reply-to: roger@hpfcmgw.HP.COM's message of 31 Mar 90 01:11:43 GMT

I'm sure that you won't have to swap out the coils. If you only want to move them up .25 mhz, you probably won't even have to retune the coils. I'd imagine they are crystal-controlled, so all you'll probably have to do is order a new set of crystals from BOMAR (1-800-526-3935) for each unit, and you'll be off and running. The only problem I can forsee, is that they (BOMAR) will need the load capacitance across the xtal, and I don't know how you come up with that value. Perhaps the schematic will help. You'll also need the fundamental frequency of the crystal. They probably multiply it up to the 49 mHz range from some lower frequency. Again, the schematic should help. Calculating the rx xtal will be a little more difficult. You'll have to find out what freq. the IF is, and do a little mathematics. For example, if it is a 10.7 mHz IF, you'll subtract (or add, depending if you want high or low side injection) 10.7 from/to the desired operating frequency, then divide that result by whatever the multiplication factor is. If the existing xtals in the unit have their operating frequency listed on them, that will help a bunch.

```
--
      Jim "Lips" Earl             UUCP: ucbvax!ucdavis!csusac!mmsac!jim
          KB6KCP              INTERNET: mmsac!jim@csusac.csus.edu
   =======================================================================
                  The opinions stated herein are all mine.
```

From -2411299378759881029
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fe511fbc5478713,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,2fe511fbc5478713,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f9437,2fe511fbc5478713,start
X-Google-Attributes: gidf9437,public
X-Google-Thread: 105d97,2fe511fbc5478713,start
X-Google-Attributes: gid105d97,public
X-Google-Thread: 114d61,2fe511fbc5478713,start
X-Google-Attributes: gid114d61,public
X-Google-ArrivalTime: 1990-04-01 17:00:00 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!ucbvax!ucdavis!csusac!sactoh0!quack!mrapple
From: mrapple@quack.UUCP (Nick Sayer)
Newsgroups: news.groups,rec.arts.tv,rec.ham-radio,rec.radio.shortwave,sci.electronics
Subject: CALL FOR VOTES - rec.arts.tv.cable
Keywords: 2nd call
Message-ID: <5233@quack.UUCP>
Date: 2 Apr 90 00:00:00 GMT
Followup-To: news.groups
Organization: The Goose Egg, Stockton, CA
Lines: 62
Xref: gmdzi news.groups:17081 rec.arts.tv:3133 rec.ham-radio:10606 rec.radio.shortwave:843 sci.electronics:6038
Posted: Mon Apr 2 01:00:00 1990

[followups to news.groups. crossposted to s.e r.h-r for technical reasons, r.r.s because of satellite discussions]

The first week of voting was both productive and unproductive. We received 36 votes, and the ratio yes/no was 75%:25%. The bad news was that we had a disk problem and lost them all. The vote won't be extended, because those who voted in the first week have plenty of time to do it again (my appologies), and it may or may not be "legal" to do so anyway. Votes list (so far) below.

Lots also sent corrections for "satelite." Thanks. Really.

CHARTER: REC.ARTS.TV.CABLE

This group is for discussions pertaining in general to cable television, and satellite television. Broadcast only issues should go to rec.arts.tv. More specifically, discussions of technical, regulatory, programming, and/or customer service/cost/quality issues are welcome.

Technical discussions of cable programming technology are welcome, which is somewhat at odds to its placement in "rec," but this is proposed simply because of the infeasability of placing the group elsewhere. The original name rec.arts.tv.catv was objected to by several because of the confusion over the designation "catv" meaning community access TV instead of community antenna TV. Several have objected to placing the group in rec.arts, but there have been no alternative suggestions.

The newsgroups line would read:

```
rec.arts.tv.cable  Discussion about cable and satellite television
```

This newsgroup would not be moderated. It distribution would be world-wide.

To vote, send mail to:

```
uop.edu!quack!vote-no       for no votes
uop.edu!quack!vote-yes      for yes votes
```

A daemon will pick out the "From:" line and add it to a file. No reply will be sent. Second call with vote list will be posted Tuesday the 2nd, and third call with vote list will be posted Tuesday the 9th.

The vote will end April 16, 2359 UTC, with the usual 5 day wait for late mail.

Any personal mail may be sent to ...quack!mrapple, but votes sent there will not be counted. Posted votes will not be counted.

Vote list as of 4/2/90, 0000 UTC:

From: Dave Ratcliffe <uop!uunet.UU.NET!compnect!dave>
From: mrapple (Nick Sayer)
From: uop!cod.nosc.mil!scallon (Matthew C. Scallon)
From: uop!netcom!netnews (NetCom Usenet Admin)

```
--
Nick Sayer  -  The Goose Egg public unix  -  209-952-5347 (Telebit)
---------------------------------+---------------------------------
quack!mrapple@uop.edu            !
...pacbell!sactoh0!quack!mrapple ! And now, The Fish Slapping Dance
```

N6QQQ (145.75 - TCP/IP soon)   !

From -9101043064413513617
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dcc9c6e0727cb3df,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-01 17:26:30 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!peregrine!ccicpg!cci632!rit!ritcsh!ultb!wlw2286
From: wlw2286@ultb.isc.rit.edu (W.L. Ware)
Newsgroups: rec.ham-radio
Subject: Cordless phone antennas question
Keywords: help
Message-ID: <2640@ultb.isc.rit.edu>
Date: 2 Apr 90 00:26:30 GMT
Organization: Information Systems and Computing @ RIT, Rochester, New York
Lines: 18
Posted: Mon Apr 2 01:26:30 1990

I am interested in installing cordless phone antennas or the right length of wire in all the rooms of my house, so that I would get good coverage from room to room, and wouldn't have to put a phone in each room.

Does anyone have any good suggestions about how to go about doing this? Like the best antenna length and how to connect them all up to the receiver?

Lance

Any and ALL help is appreciated

```
--
*************************************************************************
*W.L.Ware                                                LANCEWARE SYSTEMS*
*WLW2286%ritvax.cunyvm.cuny.edu                        Value Added reseller*
*WLW2286%ultb.isc.rit.edu                              Mac and IBM Access. *
```

From -3692949274280974116
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f491419ec80d547,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-01 20:19:31 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!cmr.ncsl.nist.gov!rc
From: rc@cmr.ncsl.nist.gov (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: 49 MHz to 50 MHz Conversion
Message-ID: <9004020319.AA01365@cmr.ncsl.nist.gov>
Date: 2 Apr 90 03:19:31 GMT
Sender: daemon@ucbvax.BERKELEY.EDU

Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 20
Posted: Mon Apr 2 04:19:31 1990

hpfcso!hpfcmgw!roger@hplabs.hp.com (Roger Jollis) writes:

```
> I have just acquired a set of "Voice Actuated Audionic FM Transceivers"
> manufactured for Realistic (Radio Shack).  Currently they are on 49.845Mhz
> along with all the baby monitors in the world.  I'd like to move them up
> some 250 Khz to the six meter phone band.
       ^^^--  49.845 + 0.250 = 50.095 MHz  (US phone band starts at 50.1 MHz)
```

AAAARRRGGH !!!!! You may well qualify for lid-of-the-year if you end up so low in the 6-meter band. All kidding aside, it is generally considered BAD PRACTICE to run even narrow FM below about 50.5 MHz; many would suggest a higher frequency. With so many people looking for band openings, which are fairly common these days, you would be MOST unpopular running FM (& ragchewing?) in the "DX window" at the bottom of the U.S. SSB portion of the phone band. There is a gentlemen's agreement to only work non-US/Canadian stations in the 50.100 - 50.125 MHz region, to make hearing the weak DX stations easier.

Good luck with your project.

73, Bob W3OTC

From -1500754447087117711
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bbacbf9a4e1abaea,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-02 02:45:11 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!ibma.nerc-wallingford.ac.UK!PJML
From: PJML@ibma.nerc-wallingford.ac.UK ("Pete Lucas, NCS-TLC, Swindon U.K.")
Newsgroups: rec.ham-radio
Subject: Do you need non-conducting masts>
Message-ID: <02.Apr.90.10:54:31.BST.#8065@UK.AC.NWL.IA>
Date: 2 Apr 90 09:45:11 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 45
Posted: Mon Apr 2 10:45:11 1990

There was recent discussion about the need for non-conducting masts for vertically polarised antennas. IMHO this is not necessary. i have not done any serious research myself, just taken advice from the designers and installers of commercial VHF beams... (note i say *COMMERCIAL*, not *HAM* beams. The commercial guys dont get paid until the installation works.........)

```
   CONDUCTING  +
       MAST--> +                       Mast should pass through the 'electrical
               +                       center of gravity' of the beam,
      !     !  +  !   !    !    !      and extend out above the top.
      !     !  +  !   !    !    !      This maintains the symmetry of
      !     !  +  !   !    !    !      the conducting material intruding
      +=====+==+==+===+====+====+      into the electric field from the
      !     !  +  !   !    !    !      antenna, and helps to minimise the
      !     !  +  !   !    !    !      disruptive effect  that the mast may
      !     !  +  !   !    !    !      have on the polar diagram of the
               +                       antenna.
               +
               +
              /-\
              ! !

                               !    !    !    !    !    !
                               !    !    !    !    !    !
                               !    !    !    !    !    !
         <<Direction of fire<< +====+====+====+=+==+====+
                               !    !    !    ! +  !    !
                               !    !    !    ! +  !    !
                               !    !    !    ! +  !    !
                                                +
                   Mounting it like this        +
                   introduces an asymmetry      +
                   into the structure as far   /-\
                   as electrical balance is    ! !
                   concerned, and may distort
                   the polar diagram.
```

One other advantage of having the mast extending out the top is that if you have a 'very long yagi', you can use the mast extension to install guy wires to support the antenna boom. Non-conducting guys... now theres ANOTHER topic for discussion....(:-)

/// Pete G6WBJ.

```
From 8524311977827893569
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b648482b664534,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-02 05:11:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!
SC.INTEL.COM!RHAREL%FAB8
From: RHAREL%FAB8@SC.INTEL.COM (Intel-FAB8 7589)
Newsgroups: rec.ham-radio
Subject: TH-75 Dualbander CPU Problems
Message-ID: <9004030709.AA10427@ucbvax.Berkeley.EDU>
Date: 2 Apr 90 12:11:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
```

Posted: Mon Apr 2 13:11:00 1990

I've been experiencing several problems with my TH75 Dual-bander
HT ever since modifying the rig to work outside of it's
normal Amateur band limits. (Removed D-2 and W-1).
Every now and then the CPU will lock up during normal operation
and the radio will not allow transmit or change in any parameter
without first turning it off. Once I turn it on again - all
functions return to normal.
A less frequent, more severe problem is total reset of the CPU,
erasing all memory etc. - this also seems to happen out-of-the-blue.
Does anyone out there in Net-Land have any fixes for these problems
(besides buying Yeasu ...hi) or am I the only one who got the lemon.
I'd be happy to hear feedback.

By the way the HT allows TX from about 395-455 Mhz. Is there a way
I can bring up this window to the higher portion of UHF ?

Regards,
4X1DA
Richard Harel

==
My employer in no way warrants or for that matter agrees
with opinions which are expressed here.

From -1992216029663344163
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,24b9fdf92fafb98b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-02 07:15:26 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!
STL-06SIMA.ARMY.MIL!wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: Re: SW Radio Kit
Message-ID: <9004030705.AA10074@ucbvax.Berkeley.EDU>
Date: 2 Apr 90 14:15:26 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Mon Apr 2 15:15:26 1990

Someone on one of these groups asked about a source for a shortwave radio
kit. I just received a catalog from "Yeary Communications" which appears to
be a source for parts for restoring old radios, radio books, and kits that
include SW radios. Now, these aren't digital-readout and fancy-capability
receivers; they are crystal sets, tube regenerative receivers, and simple
minimal solid-state models. Prices range from $9.95 to $99.95 for the kits.
They also sell some regular radios, scanners, and portable SW receivers.

Write for a catalog:

Yeary Communications
12922 Harbor Blvd., Suite 800
Garden Grove, CA 92640
[No phone given]

They also claim they'll "beat anyone's price" on radios, scanners, CBs, and some ham gear if you write for a quote. However, they don't seem to take chargecards (no mention of such on the order form) and their shipping charge seems quite high (12% of the order amount, $3 minimum) plus there is an extra $2 per-order "handling charge". They also sell used radio-related books and have separate flyers for those; if you are interested, ask to be sent the next issue when you write.

Regards, Will

From -1823002133661554479
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aec34bca75349c37,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-02 07:32:00 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!SMCVAX.BITNET!GOODWIN
From: GOODWIN@SMCVAX.BITNET
Newsgroups: rec.ham-radio
Subject: Code vs. No Code
Message-ID: <9004030707.AA10230@ucbvax.Berkeley.EDU>
Date: 2 Apr 90 14:32:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 58
Posted: Mon Apr 2 15:32:00 1990

As a newly-licensed Novice (still waiting for a call sign!), I thought a perspective from that point of view might be interesting. I should point out that I am not intimately familiar with all the issues surrounding this debate, so I'm sure I'll miss some points which might be obvious to the rest of you! :^)

I think most everyone would concede that the population of hams today is in decline. Reasons for this may not be so easily accepted though. It appears to me to be due to several factors. First, radio no longer holds the challenge and mystique it used to. Second, there seems to be little in the way of interesting discussion on the bands. One can only listen to so many rig and weather reports, after all. Finally, although it may not be difficult to learn code, many people undoubtedly find it no longer worth the effort and hence remain unlicensed.

I do not believe that code should be an entry-level requirement; it serves too much as a deterrent in this day and age. I would like to see it retained as an incentive of some sort for those who wish to learn it; perhaps by granting some additional frequency privileges to those who do so. To that end, I think we need a no-code license that grants a smattering of all operating modes and bands. This will allow a new ham to get his or her feet wet and see what else is happening outside their allocations. A VHF only no-code won't do that.

By judiciously allocating spectrum, I think the FCC could provide the incentive to upgrade. As a simple example, give the entry-level licensee some privs on 10 meters. They'll be happy until the band dies at the pit of the solar cycle, at which point upgrading will probably become very interesting to them. Of course, code would be a requirement for that upgrade but they don't HAVE TO upgrade. It's their choice.

I don't agree with the viewpoint that code should be eliminated entirely. There are still many occasions where it's useful. An advanced ham should know it, in my opinion.

As a final comment, let me say that I think the current testing system is a joke. Those who espouse simply adding more questions to the test are doing themselves and ham radio a disservice. These question pools are simplistic and require almost no knowledge of the underlying technical concepts to answer. I was amazed to find out that all the questions and answers are readily available! What kind of learning does this encourage? I strongly feel we need a testing process which ensures that licensees know something about what they're doing! We need to avoid the "appliance" syndrome.

Well, that's my perspective. Comments and/or flames are welcome! I have asbestos skin! :^)

```
==========================================================================
Dave Goodwin                                  |
Coordinator, PC Support/User Services         | To err is human.
VAX System Manager                            | To really foul things up,
----------------------------------------------| You need a computer.
BitNet/CREN : Goodwin@Smcvax                  |
Ma Bell     : (802)655-2000 X2220             |
Pony Express: Saint Michael's College         |
              Department of Computer Services |
              Winooski Park                   |
              Colchester, VT 05439            |
==========================================================================
```

From 4004125006481717198
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,37b5b6fe9a5cff32,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-02 08:04:08 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!ucbvax!STL-06SIMA.ARMY.MIL!wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: Re: Long Division? (was Re: Increasing CW speed)
Message-ID: <9004030706.AA10150@ucbvax.Berkeley.EDU>

Date: 2 Apr 90 15:04:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 26
Posted: Mon Apr 2 16:04:08 1990

>if he doesn't know how to respond to real-world questions like
>"You are given ten pounds of brocolli and asked to give equal portions to 25
>people, except for George, who isn't eating any. How much should you give to
>each person?"

Obviously, you give each broccoli-eater 3 cooked stalks (sprigs? whatever you call the individual pieces after you cut up the bunches...) and let the ones who want more come back for seconds. :-) [You said it was a "real-world question"; this is a real-world answer from a cook...]

Regarding the math/calculator issue, it is an interesting phenomenon. I grew up in the pre-calculator age, so learned traditional arithmetic in school. Yet now, though I am perfectly capable of adding in my head and doing computations on paper, I *don't trust myself* any more. I feel a compulsion to get out a calculator to do simple things like subtracting the check amount from the balance in my checkbook. To relate this to ham radio, I wonder if the same attitude arises once you get used to digital readouts? The old dial-scale interpolation skills might still be there, but you feel "better" or at least more comfortable with an explicit digital display telling you what you already knew.

Maybe it is due to the accumulated memory of errors made in the past from carelessness or sloppiness or whatever, but more and more you feel the need for the confirmation or reassurance those little glowing digits provide...

Regards, Will

From 7817223845225311596
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a13999842f9921fd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-02 08:29:43 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!STL-06SIMA.ARMY.MIL!wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: Re: ARRL DX NR 13
Message-ID: <9004030707.AA10219@ucbvax.Berkeley.EDU>
Date: 2 Apr 90 15:29:43 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Mon Apr 2 16:29:43 1990

It seems like it has been for *years* that we have been reading the following statement, over and over, in the DX news:

FROM THE DXCC DESK. DO NOT SUBMIT QSL CARDS FOR WALVIS BAY BEFORE
JUNE 1. CARDS SUBMITTED BEFORE THAT DATE WILL BE RETURNED WITH NO
CREDIT. DXCC CREDIT FOR WALVIS BAY WILL BE GIVEN FOR CONTACTS ON OR
AFTER SEPTEMBER 1, 1977.

What IS all this anyway? If the contacts are legitimate, what makes them invalid or incorrect until the "magic date" of June 1? If the spot has been a "real" "DX country" since 1977, let the contesters or certificate hunters claim the damn thing. It certainly hasn't been worth using the prime position at the start of this DX news posting every issue to put this notice about "no, not yet...", especially when there doesn't seem to be any reason *not* to accept the silly cards whenever they are submitted in any case. Is this the result of some sort of political infighting or personality conflict? Somebody retiring as of June 1 or something?

I guess I just finally read this thing one time too many... Maybe it wouldn't have been so irritating if it had been a footnote or an addendum instead of the #1 item each issue....

The old curmudgeon,
Will

From -9078310698597049668
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a13999842f9921fd
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-02 08:29:43 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!STL-06SIMA.ARMY.MIL!wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: Re: ARRL DX NR 13
Message-ID: <9004030706.AA10162@ucbvax.Berkeley.EDU>
Date: 2 Apr 90 15:29:43 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Mon Apr 2 16:29:43 1990

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CREDIT. DXCC CREDIT FOR WALVIS BAY WILL BE GIVEN FOR CONTACTS ON OR
AFTER SEPTEMBER 1, 1977.

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I guess I just finally read this thing one time too many... Maybe it wouldn't have been so irritating if it had been a footnote or an addendum instead of the #1 item each issue....

The old curmudgeon,
Will

From 3706084287359941647
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3242479a9e84729b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-02 08:36:41 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!STL-06SIMA.ARMY.MIL!wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: Re: ARF
Message-ID: <9004030708.AA10317@ucbvax.Berkeley.EDU>
Date: 2 Apr 90 15:36:41 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Mon Apr 2 16:36:41 1990

I tried to mail this, but the poster gives too-abbreviated a net address in his signature and the return-path failed. So this is directed to Jack Schmidling:

How about a posting (at least to the swl list) explaining just what the ARF is, and a bit of its history? I'm sure a lot of non-hams out here, like myself, have no idea what it is and why it exists.

Also, I note the dates you give are Thursdays, but the signature block indicates airings on both Tursdays and Saturdays. Is the Saturday one a tape repeat? Are the times unchanged after the start of Daylight Time?

Regards, Will
wmartin@st-louis-emh2.army.mil OR wmartin@stl-06sima.army.mil

From -5162776507191919149
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ebd7fa11e62df441
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,ebd7fa11e62df441
X-Google-Attributes: gid105d97,public

X-Google-ArrivalTime: 1990-04-02 12:18:36 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!apple!portal!cup.portal.com!mmm
From: mmm@cup.portal.com (Mark Robert Thorson)
Newsgroups: sci.electronics,rec.ham-radio
Subject: Re: Litz wire (long)
Message-ID: <28533@cup.portal.com>
Date: 2 Apr 90 19:18:36 GMT
References: <40251@iuvax.cs.indiana.edu>
Organization: The Portal System (TM)
Lines: 17
Xref: gmdzi sci.electronics:6074 rec.ham-radio:10664
Posted: Mon Apr 2 20:18:36 1990

I had thought that Litz wire was the stuff used for the cords of old-fashioned headphones, mostly because it was limp. Is this true? Is that difficult-to-solder stuff used for cheap earphones Litz wire?

BTW, I recently went looking for a crystal earphone for a project which needed a high-efficiency, high-impedance audio output. Surprise! Nobody makes those anymore. They're impossible to find. The guy at Halted didn't even know what I was talking about. I finally found one among the accessories for a 30-year-old Sony reel-to-reel tape recorder my dad has.

I guess that means kids won't be able to build simple crystal radios anymore :-(

Radio Shack had little earphones, but when I cracked one open, I found a little coil. Impedance was probably between 8 and 32 ohms. The leads seemed like what I have always called "Litz wire", i.e. tiny threads of copper woven with some kind of fiber.

From -4276224049111450897
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28ee36dae271047e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-02 13:47:04 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!iuvax!mailrus!cs.utexas.edu!wuarchive!texbell!bellcore!ka9q.bellcore.com!karn
From: karn@ka9q.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Worthwhile non-amateur use of 902-928 Mhz
Message-ID: <21536@bellcore.bellcore.com>
Date: 1 Apr 90 21:50:23 GMT
Sender: news@bellcore.bellcore.com
Reply-To: karn@ka9q.bellcore.com (Phil Karn)
Organization: Secular Humanists for No-Code
Lines: 50
Posted: Sun Apr 1 22:50:23 1990

The following item just appeared on the comp.protocols.tcp-ip newsgroup:

```
Article 11060 in comp.protocols.tcp-ip:
From: farber@linc.cis.upenn.edu (David Farber)
Subject: Re: High Schools on the Internet
Message-ID: <22608@netnews.upenn.edu>
Date: 1 Apr 90 14:16:53 GMT
Organization: University of Pennsylvania
```

We, at UPenn, are in the final stages of putting our
local magnet high school of engineering and
science -- the George Washington Carver High School
in Philadelphia onto the internet via
a spread spectrum radio link operating license free at
900 mh.

By the way, the GWC High School is an interesting case of
what can be done to turn the inner city
students onto science and education. They are really
an outstanding example.

Dave
David Farber; Prof. of CIS and EE, U of Penn, Philadelphia, PA 19104-6389 Tele:
215-898-9508(off); 215-274-8292 (home); FAX: 215-274-8192; Cellular: 302-740-
1198 "The fundamental principle of science, the definition almost, is this: the
sole test of the validity of any idea is experiment." -- R. P. Feynman

(end of included article)

At the risk of appearing to commit heresy and treason against amateur radio, I have to say that in my opinion this particular application represents a more worthwhile use of the 902-928 MHz band than yet another bunch of ham FM repeaters. And it is certainly far more worthwhile than letting the band go idle, which is its current state in most areas.

In my opinion, this operation ought to fall squarely within amateur radio's role in supporting education. I'd consider it a credit to the service if this operation were done under an amateur license.

The fact that so many hams see ham radio as an exclusive social club devoted primarily to the recreation of its aging members (and are determined to keep it that way) won't keep our bands from being used for other purposes. We can either enlarge the service to take in new and novel applications, or we can continue to wither as the FCC either reallocates spectrum outright to other services or increases the sharing in our bands, as with Part 15 spread spectrum on 902-928 MHz.

Phil

```
From 2853679042553787991
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c8fba6ef16e72ee
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1990-04-02 15:10:13 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!lll-winken!decwrl!
wuarchive!texbell!bellcore!ka9q.bellcore.com!karn
From: karn@ka9q.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Re: Fidonet reply to Karn
Message-ID: <21539@bellcore.bellcore.com>
Date: 1 Apr 90 23:05:24 GMT
References: <TeTwg1w161w@w8grt.fidonet.org>
Sender: news@bellcore.bellcore.com
Reply-To: karn@ka9q.bellcore.com (Phil Karn)
Organization: Secular Humanists for No-Code
Lines: 16
Posted: Mon Apr 2 00:05:24 1990

Me:interested only in public service?") I would say two things. First, the
Me:amount of public service traffic carried by CW is nil; the action is on

Jim Grubs: OOOOOHH. You're gonna piss of the BPL folks! ;-)

Tell me about it. A few years ago, I was invited to one of my Division Director's cabinet meetings. The question of whether packet stations should be eligible for BPL credit came up. It was very telling to hear people argue against it because it was somehow "cheating" to be able to handle traffic reliably and quickly without an operator, and that it was "unfair" to those who still handled traffic via CW.

By the way, several people have challenged my use of the word "nil". I didn't use it to mean "zero", but rather "too small to be significant".

Phil

From -8018966652823047839
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15a14f96b3c9285a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9b5b,3ea470f286cd0556
X-Google-Attributes: gidf9b5b,public
X-Google-ArrivalTime: 1990-04-02 15:10:49 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!lll-winken!ames!think!
zaphod.mps.ohio-state.edu!usc!sdsu!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley__Wb6wui)
Newsgroups: rec.ham-radio
Subject: We got a new Ham
Message-ID: <2060@crash.cts.com>
Date: 1 Apr 90 22:16:07 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 29
Posted: Sun Apr 1 23:16:07 1990

I have'nt seen anyone announce the fact that a new ham exists. But it's true.

I first became active on this very networking system here in Sandy Eggo after a long hiatus due to this individuals efforts. He has been active here and on the various Pnets for mucho time. He has faithfully (F)orwarded msgs to me that he knew would be of interest. I just got a near new Yaesu FT-33R walkie-talkie due to diligence in monitoring the various newsgroups. I would have missed this super-deal had I not had this extra set of eyes.

This individual is so interested that he has contacted the ARRL to check on what his call group may be. He has found an outfit that will sell the complete FCC Amatuer License Datafile on CD-ROM with supporting software for $50.00. He is toying with adding with the idea of having this database online for the rest of us to us (maybe with bi-monthly updates). Now that some interest I'd say.

Well, Mr. Scott O'Connell (scotto@ipars) passed his Novice test two weeks ago. And then passed the Tech yesterday. I now encourage him to keep practising the code while it's still fresh. Something I failed to do and have always regreated. Scott is now joining our local club and of course is anxiously waiting for his Novice ticket. He tells me he wants to start yappin' on the radio. Another lid hits the frequencies; oh well...

Congratuations to Scotto and welcome aboard.

```
****************************************************************************
Mike Shirley, WB6WUI          INET: mikey@pnet01.cts.com
PO Box 460, Lakeside, CA      ARPA: crash!pnet01!mikey@nosc.mil
            92040-0460        UUCP: {hplabs!hp-sdd nosc}!crash!pnet01!mikey
****************************************************************************
```

From 6193709124624189282
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28ee36dae271047e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-02 17:11:34 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Worthwhile non-amateur use of 902-928 Mhz
Message-ID: <ZPZ1g1w161w@w8grt.fidonet.org>
Date: 3 Apr 90 00:11:34 GMT
References: <21536@bellcore.bellcore.com>
Organization: QRV de W8GRT
Lines: 45
Posted: Tue Apr 3 01:11:34 1990

karn@ka9q.bellcore.com (Phil Karn) writes:

>
> The following item just appeared on the comp.protocols.tcp-ip newsgroup:
>
> Article 11060 in comp.protocols.tcp-ip:

```
> From: farber@linc.cis.upenn.edu (David Farber)
> Subject: Re: High Schools on the Internet
> Message-ID: <22608@netnews.upenn.edu>
> Date: 1 Apr 90 14:16:53 GMT
> Organization: University of Pennsylvania
>
>
> We, at UPenn, are in the final stages of putting our
> local magnet high school of engineering and
> science -- the George Washington Carver High School
> in Philadelphia onto the internet via
> a spread spectrum radio link operating license free at
> 900 mh.
>
> By the way, the GWC High School is an interesting case of
> what can be done to turn the inner city
> students onto science and education. They are really
> an outstanding example.
>
> Dave
> David Farber; Prof. of CIS and EE, U of Penn, Philadelphia, PA 19104-6389 Tel
> 215-898-9508(off); 215-274-8292 (home); FAX: 215-274-8192;  Cellular: 302-740
> 1198 "The fundamental principle of science, the definition almost, is this: t
> sole test of the validity of any idea is experiment." -- R. P. Feynman
>
> (end of included article)
>
> At the risk of appearing to commit heresy and treason against amateur radio,
> I have to say that in my opinion this particular application represents a
> more worthwhile use of the 902-928 MHz band than yet another bunch of ham FM
> repeaters. And it is certainly far more worthwhile than letting the band go
> idle, which is its current state in most areas.
>
> In my opinion, this operation ought to fall squarely within amateur radio's
> role in supporting education. I'd consider it a credit to the service if
> this operation were done under an amateur license.

I agree heartily. And when they get their new ham tickets (either code or
no-code variety), they can tack on amps and boost their range. Hurrah for them!


From 5008756873830872336
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2c8fba6ef16e72ee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-02 17:29:10 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!milton!dali!
brutus.cs.uiuc.edu!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!iuvax!
ndcvb!cartan!ndmath!nstar!w8grt!jim.grubs
From: jim.grubs@w8grt.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Fidonet reply to Karn
Message-ID: <BJ11g2w161w@w8grt.fidonet.org>
```

Date: 3 Apr 90 00:29:10 GMT
References: <21539@bellcore.bellcore.com>
Organization: QRV de W8GRT
Lines: 37
Posted: Tue Apr 3 01:29:10 1990

karn@ka9q.bellcore.com (Phil Karn) writes:

> Me:interested only in public service?") I would say two things. First, the
> Me:amount of public service traffic carried by CW is nil; the action is on
>
> Jim Grubs: OOOOOHH. You're gonna piss of the BPL folks! ;-)
>
> Tell me about it. A few years ago, I was invited to one of my Division
> Director's cabinet meetings. The question of whether packet stations should
> be eligible for BPL credit came up. It was very telling to hear people argue
> against it because it was somehow "cheating" to be able to handle traffic
> reliably and quickly without an operator, and that it was "unfair" to those
> who still handled traffic via CW.

Several years ago, there was a devastating tornado at Xenia, Ohio.
(Pronounced "ZEENya".) The Amateur Radio Emergency Corps (later AREService)
did fantastic work in the disaster. The work in that immediate locality was
done primarily on VHF FM repeaters.

Later, one of the radio clubs in Toledo brought some of the people involved
to Toledo to lecture us what they had learned about disaster
communications. During the Q&A period that followed one of them remarked
that at a similar Q&A session in another Ohio town he was asked by an old
timer, "Why did you use that two meter stuff? You could have done the job
just as well on 80 meters."

A little further probing revealed that the OT had never operated anything
but HF CW and literally was incapable of comprehending the need or interest
in anything else. I think much the same mentality is operating in the case
of much of the anti-packet and anti-no-code sentiment. They're not "bad"
people. They just don't comprehend what it is we're trying to do.

>
> By the way, several people have challenged my use of the word "nil". I
> didn't use it to mean "zero", but rather "too small to be significant".

"INFINITESIMAL" might have been a better choice.

From 1960290933858922525
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28ee36dae271047e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-02 18:31:55 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!usc!zaphod.mps.ohio-state.edu!
unix.cis.pitt.edu!dsinc!netnews.upenn.edu!eniac.seas.upenn.edu!depolo
From: depolo@eniac.seas.upenn.edu (Jeff DePolo-N3HBZ)

Newsgroups: rec.ham-radio
Subject: Re: Worthwhile non-amateur use of 902-928 Mhz
Message-ID: <22638@netnews.upenn.edu>
Date: 2 Apr 90 02:52:20 GMT
References: <21536@bellcore.bellcore.com>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu.UUCP (Jeff DePolo-N3HBZ)
Organization: University of Pennsylvania
Lines: 54
Posted: Mon Apr 2 03:52:20 1990

In article <21536@bellcore.bellcore.com> karn@ka9q.bellcore.com (Phil Karn) writes:
>
>The following item just appeared on the comp.protocols.tcp-ip newsgroup:
>
>>From: farber@linc.cis.upenn.edu (David Farber)
>>Subject: Re: High Schools on the Internet
>>Organization: University of Pennsylvania
>>
>>We, at UPenn, are in the final stages of putting our
>>local magnet high school of engineering and
>>science -- the George Washington Carver High School
>>in Philadelphia onto the internet via
>>a spread spectrum radio link operating license free at
>>900 mh.
>
>At the risk of appearing to commit heresy and treason against amateur radio,
>I have to say that in my opinion this particular application represents a
>more worthwhile use of the 902-928 MHz band than yet another bunch of ham FM
>repeaters. And it is certainly far more worthwhile than letting the band go
>idle, which is its current state in most areas.
>
>Phil

I have to agree with Phil (not only because I'm involved in the project :-).

Although in many parts of the country 2m is overcrowded with repeaters, simplex users, packet, etc., there is plenty of room on other bands, but nobody seems to want to take advantage of it. Part of the blame should be put on the manufacturers (e.g. Icom, Kenwood, Yaesu, etc.) for not making equipment for these bands, particularly 902. But even if they did, I'd guess that not many people would use them. Most people have already found their own niche in ham-dom and don't care to change, which is why 2m is still overpopulated while 220 is vacant in most areas, even though range on 220 is virtually identical to 2m and equipment is less expensive (many distributors/stores are selling 220 equipment at a discount because it isn't selling).

By the way, as Phil mentioned, the data link is not amateur-radio specific and does not require a license, even though it does operate within the amateur band - it's a shared allocation. However, if a lot of people (read businesses) see how useful the 902 band could be for both voice and digital communications, especially at power levels higher than 1 watt which is what the FCC limit is for this type of spread spectrum communications, chances are that we'll lose the band completely and it will all be given/sold to oranizations who WILL use it. But hey - we're not using it now, so what's the big deal...

--- Jeff

```
+-----------------------+-----------------------------------------------------+
|  Jeff DePolo - N3HBZ  | Internet: depolo@eniac.seas.upenn.edu               |
| Univ. of Pennsylvania | RF: 146.685- 224.40- 442.70+ 144.455s (Philadelpia) |
| Computer Science Eng. | Twisted pair: (215) 243-8125 home                   |
|     Class of 1991     | Carrier pigeon: 3901 Spruce St Box 850 Philly 19104 |
+-----------------------+-----------------------------------------------------+
```

From 5900400913372784490
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,417e4ac0fe2824c8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,417e4ac0fe2824c8,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-04-02 18:35:06 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!think!zaphod.mps.ohio-state.edu!mips!apple!apple.com!winter
From: winter@apple.com (Patty Winter)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Congratulations, Bob!
Keywords: Dayton, N4HY
Message-ID: <39982@apple.Apple.COM>
Date: 2 Apr 90 05:17:57 GMT
Sender: winter@Apple.COM
Organization: Apple Computer Inc, Cupertino, CA
Lines: 12
Xref: gmdzi rec.ham-radio:10592 rec.ham-radio.packet:1999
Posted: Mon Apr 2 06:17:57 1990

Congratulations to our very own netperson Bob McGwier, N4HY, on being named this year's winner of the Dayton Amateur Radio Association's Technical Achievement award. In part, the award recognizes Bob's inexhaustible work on the Microsat project.

This makes two years in a row that a Usenet denizen has won one of the three Dayton awards. Anyone care to try for Ham of the Year in 1991? :-)

Patty

From -3613483563660058197
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dac97261482d5870,start

X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10beba,dac97261482d5870,start
X-Google-Attributes: gid10beba,public
X-Google-ArrivalTime: 1990-04-02 19:46:22 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!mintaka!yale!umich!mcnnet!steve
From: steve@mcnnet.UUCP (Mgr. Consulting Serv.)
Newsgroups: rec.ham-radio
Subject: Kenwood TM-2530 Series Radios & DCL System
Keywords: Info TM-2530 DCL
Message-ID: <13@mcnnet.UUCP>
Date: 2 Apr 90 04:57:26 GMT
Organization: MCN Computer Services, Incorporated
Lines: 20
Posted: Mon Apr 2 05:57:26 1990

I am looking for anyone who has had success in implementing a home-brew circuit for the Kenwood TM-x5x0 series of 144, 220, and 440 radios for the purpose of causing the radio to change frequency.

I am trying to design such a circuit that would use the DCL interconnection provided within this series of radios so that I could change the frequency of the radio remotely.

Is this possible? If someone out there has successfully accomplished this task I would really like to hear from them.

I will compile all responses and distribute as appropriate.

Thank you,
Steve Corso
KV8G

umich!mcnnet!steve

From -7813699373639451457
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d062930a0bf2f211,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-02 21:01:45 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!usc!wuarchive!husc6!genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: How does Novice upgrade in new proposal?
Message-ID: <34678@genrad.UUCP>
Date: 2 Apr 90 12:59:39 GMT
Sender: news@genrad.UUCP
Lines: 56
Posted: Mon Apr 2 13:59:39 1990

Forgive my ignorance, but I have waited around waiting to see if this was brought up and no one else has asked, so I'll ask.

I've finished reading the proposal that was in QST April 1990 magazine about the FCC proposal for the Communicator license. There is one thing that is not clear from that. I've asked a few local hams, and they've kind of hemmed and hawed over the answer as well, so I think it's a valid question.

With the new proposal, HOW DOES A NOVICE UPGRADE? It says that Novices will be grandfathered in....and Techs too, but upgrading from Tech is not the issue. In order for a Novice to upgrade, must he upgrade DIRECTLY to General? Does he take the 13 wpm Morse code test and then the General written test? What happened to the Technician test? Is that no longer required? (Before the older hams say that this is the SAME test, let me remind you that the PREVIOUS General test was broken into two separate question pools so that NOW the General test and the Technician test are two separate entities.) Is the Novice required to take the Communicator test BEFORE the General test?

Here are the options (and my conclusions) of what might be done (and I don't advocate any of these, I'm simply asking which one it is!):

1. The Novice must take the Communicator test, then the General test and of course the 13 wpm Morse code test.
   Conclusion: The Novice must now memorize or remember not only the data for the previous Technician class, but also for the Novice class, which he has already passed. Plus, it is now a 60 question test, so he has to take 35 more questions than he would have had to take, were he to upgrade to Technician. A 60 question test may be overtiring for our younger hams.....

2. The Novice must only take the General test and the 13 wpm Morse code test.
   Conclusion: The Novice surely gets a break here, since the NEW material which was previously required for Technician is no longer required. Stuff like repeaters, packet radio, 2meter protocol, simple calculations on series or parallel resistance, capacitance and inductance may never be learned.....

3. The Novice must take the Technician test, as before, then must take the General test and the 13 wpm Morse code test.
   Conclusion: The Novice is basically provided the same means of upgrading as before. This does imply that the Technician test will be around as long as there are Novices in our midst, though....possibly a maintainability problem.

4. Other options? I can't think of any, but maybe I'm missing one.

Has anyone any idea what is meant by the current FCC proposal? I'd sure like to know.....since it looks like two of the Novices will be my kids (not yet, they passed the Morse code, but not the written yet!).

Diana

->Diana L. Syriac   CAP: SM, Freedom 690 Mobile   Ham: KC1SP(1 super pilot)<-

```
->USmail:   GenRad Inc., Mail Stop 6, 300 Baker Ave, Concord, Mass.  01742  <-
->usenet:   {decvax,mit-eddie}!genrad!dls      or dls@genrad.com
        <-
->tel:       (508) 369-4400 x2459    I'D RATHER BE FLYING!!!
            <-
```

From 2591155961150170983
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32e567444bddfbd5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-02 22:16:40 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!spdcc!mirror!necntc!necis!rbono
From: rbono@necis.UUCP (Rich Bono)
Newsgroups: rec.ham-radio
Subject: Amateur Radio is Enjoyable!
Keywords: ham radio, amateur radio
Message-ID: <1223@necis.UUCP>
Date: 2 Apr 90 15:40:27 GMT
Organization: NEC Technologies, Inc., Boxborough, MA
Lines: 62
Posted: Mon Apr 2 16:40:27 1990

.
.
.
[Seeing how many potential Amateur Radio operators subscribe to this (rec.ham-radio) forum, I believe that we (the users of rec.ham-radio) should try and spend at least a little net-bandwidth talking about the enjoyable aspects of "ham" radio. It seems that (some of us) don't realize that this method of communications is very much like Amateur Radio in that this is an INTERNATIONAL forum. With this in mind, let me relate a recent enjoyable on-the-air experience and challenge others to do the same:]
.
.
.
I frequent the 10 meter band, and usually have my radio tuned to 28.330MHz when not using it for anything else.   One Saturday while working on a project in my 'shack' I heard a signal a little off this frequency and tuned the radio to get clearer reception. As I tuned the signal I heard a young voice.
As the voice became clear, I heard the person saying 'CQ CQ this is KA0xxx' (CQ means 'calling anybody'. Sorry I don't have my log in front of me, I can't remember the actual callsign). I answered the call, 'KA0xxx this is NM1D in New Hampshire'.

We chatted for 20 minutes or so. Her name was Theresa. She was about 16 years old and was at her grandfather's home. She goes there to use his shack because she does not have a shack of her own. She has a job now, and hopes to save enough money to purchase her own radio equipment.

As we chatted, we learned a little about one another. When she is not using 'ham' radio she enjoys walking. She frequently follows the train tracks with her friends, and enjoys the country side. I told her that I also enjoyed walking along the train tracks when I was a kid (I am 32 now), and my friends and I used to walk for long distances along the tracks.

I mentioned how the countryside here in New Hampshire is... many hills, and less than an hour from Boston, the White Mountains, and the Ocean. I told her that I also enjoy SCUBA diving here in New England in addition to my Amateur Radio activities.

This started a discussion about swimming and water in general. Being in the mid-west, she has never been to the ocean. Although her area has some lakes and ponds, the only 'large' body of water is the Missouri (sp?) river. She couldn't imagine swimming in the ocean because she imagined it must have a swift current like the river!!! I explained that the ocean does have some currents, but most beaches (in my area) are very 'swimmable', with a light to medium surf that makes the ocean a fun place to swim.

It was very enjoyable to 'travel' through her eyes to the midwest. I believe that she now has a better idea of how it is here in Southern New Hampshire. I am sorry to say that we had to end our conversation early (her dinner was ready), and I am looking forward to chatting with her again.

Amateur Radio IS very enjoyable, share it!!

Rich, NM1D

```
--
 /***************************************************************************\
 * Rich Bono (NM1D)    If I could only 'C' forever!!    rbono@necis.nec.com *
 * (508) 635-6300          NEC Technologies Inc.               NM1D@WB1DSW *
 \***************************************************************************/
```

From 2886508187185503623
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2af943c9fc5744e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,2af943c9fc5744e,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-04-02 23:07:45 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!uunet!
microsoft!joehol
From: joehol@microsoft.UUCP (Joseph HOLMAN)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: SAREX STS-35
Keywords: space shuttle sarex
Message-ID: <53940@microsoft.UUCP>
Date: 3 Apr 90 06:07:45 GMT
Organization: Microsoft Corp., Redmond WA
Lines: 17
Xref: gmdzi rec.ham-radio:10635 rec.ham-radio.packet:2011
Posted: Tue Apr 3 07:07:45 1990

i'm disappointed to read in the the AMSAT Journal that the SAREX STS-35 mission will only have a 28.5 inclination - making direct communications to Seattle 47.7 latitude impossible...

is anybody out there going to be digipeating someway, somehow, so us poor out o' luck northerners will have a way to make contact with the packet set-up ???

Joe Holman, KA7LDN

joehol@microsoft.uucp
uw-beaver!microsoft!joehol
206-882-8921

cq space shuttle ? ! ?

From -8783541883203464687
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6df8d020031e461,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-03 00:31:36 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!usc!cs.utexas.edu!asuvax!ncar!tank!gary
From: gary@tank.uchicago.edu (Gary Buchholz)
Newsgroups: rec.ham-radio
Subject: Technical question on RF power measurements
Message-ID: <8230@tank.uchicago.edu>
Date: 2 Apr 90 22:30:27 GMT
Organization: University of Chicago
Lines: 30
Posted: Mon Apr 2 23:30:27 1990

Excuse my intrusion into this ham group but I think this is the best place to get my technical question answered.

RF input power; RF output power;

I was looking at a bunch of specs for (can I say this here) "CB" radios. The specs give numbers for RF input and RF output power.

So here's the question(s).

1) At what points are these values measured and by what mechanism?

2) On 3 different radios(transmitters) I see the following:
   a) RF Input- 5 Watts; RF Output 4 Watts
   b) RF Input- 5 Watts; RF Output 3.5 Watts
   c) RF Input- 5 Watts; RF Output 2.5 Watts

These radions are all advertised as being "5 Watts" but I assume that this isn't the "bottom" line as far as what you get as realized power

What's in the last stage ? Is RF output power rating related to type of antenna configuration (I assume that if I knew how these are measued I know the answer to that - but I don't.

Can someone clear thus up for me ?

Thanks,
Gary

From 8630681935232217198
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4417bc346a74fb2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-03 00:46:31 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!usc!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: GOES Down Converter
Message-ID: <653@idacrd.UUCP>
Date: 2 Apr 90 17:21:23 GMT
References: <9003290855.6DE40604FB01@es.office>
Organization: idacrd, princeton, nj
Lines: 15
Posted: Mon Apr 2 18:21:23 1990

From article <9003290855.6DE40604FB01@es.office>, by Jay_Appell@es.UUCP:

> Can anyone suggest sources for a down converter for GOES reception ?

There was a nice looking package from a company in Texas in the latest QEX. I don't have it here, can someone pass along the name.

Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From 7827046511390736166
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e0aa1c4f9f61046d
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-04-03 02:46:15 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!hp-sdd!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Long Division? (was Re: Increasing CW speed)
Message-ID: <7880140@hpfcdc.HP.COM>
Date: 2 Apr 90 19:06:47 GMT
References: <9003250020.AA12799@tecnet1.jcte.jcs.mil>
Organization: HP Ft. Collins, Co.
Lines: 26
Posted: Mon Apr 2 20:06:47 1990

>Let's relegate this myth about how some people CANNOT learn code to the same
>scrap heap that I hope most of us have used to discard the notion that some
>people CANNOT learn math.
>
>   AA6KX

As rebuttal, I need only offer an existence proof. I know a guy with self-described "code dyxlexia". Had a hell of a time hearing CW. He claims his VE "gave" him 5 wpm (!). Because of this, I can't tell you who it is. This same guy happens to have been a microwave wiz at HP back in the early 70's when hams were just getting their feet wet above 1 GHz. I often wonder what might have happened to our hobby had he gotten in 20 years ago.

When constructing a test as a means of filtering "undesirables", it is important to be testing the right thing. However, your point about the quick-to-whine is well-taken. It is my opinion that a CW requirement isn't what you want if you're trying to promote a technical hobby.

All this code-vs-nocode debate is putting the cart before the horse. We should first decide what ham radio is (should be), and then develop a testing method to achieve that goal.

Perry Scott
KF0CA

From -7340497263847067141
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,24ecd6d12aafae8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-03 02:48:41 PST
Path: gmdzi!unido!mcsun!uunet!optilink!elliott
From: elliott@optilink.UUCP (Paul Elliott x225)
Newsgroups: rec.ham-radio
Subject: Re: QEX and other Ham mags.
Summary: 73 magazine... maybe not so bad?
Message-ID: <3352@optilink.UUCP>
Date: 2 Apr 90 21:50:00 GMT

References: <3290@optilink.UUCP> <1250138@hpnmdla.HP.COM> <3336@optilink.UUCP>
Organization: Optilink Corporation, Petaluma, CA
Lines: 23
Posted: Mon Apr 2 22:50:00 1990

In article <3336@optilink.UUCP>, elliott@optilink.UUCP I write:

> As the original question-asker (What's a good technical ham radio magazine
> these days, anyway?), I've received numerous replys. Here is my thumbnail
> summary:
> [Others omitted]
> 73: Low-tech, appliance operator oriented

As a reality check, I located a nearby newsstand that carries QST, QEX, Ham-Radio, and 73 magazines. I then invested this week's lunch money and bought them all (and the latest Scientific American, for the review of Currents_of_Death). After skimming them, I came to the conclusion that, at least for this month, 73 was the most interesting (even technically).

The articles ranged from analysis of the state-of-the-hobby, through discussons of fairly high-end technical operating practice, and even included some low-to-medium tech construction articles. Hardly the technical oasis I'm searching for, but better than the other offerings this month (Ham_Radio wasn't too horrible, either).

Still carrying my lantern...
--
Paul M. Elliott Optilink Corporation (707) 795-9444
{pyramid,pixar,tekbspa}!optilink!elliott

From 3630576951839999045
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f8391c8373f637e0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,f8391c8373f637e0,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f5cc0,f8391c8373f637e0,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-04-03 03:16:02 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!samsung!rex!ames!pacbell!sactoh0!mahaun
From: mahaun@sactoh0.UUCP (Mark A. Haun)
Newsgroups: rec.ham-radio,rec.radio.shortwave,sci.space
Subject: HF beacons on satellites
Keywords: HF radio beacons satellites Mir
Message-ID: <2804@sactoh0.UUCP>
Date: 3 Apr 90 00:51:04 GMT
Organization: Sacramento Public Access, Ca. USA
Lines: 30
Xref: gmdzi rec.ham-radio:10605 rec.radio.shortwave:842 sci.space:11069
Posted: Tue Apr 3 01:51:04 1990

Does anyone know of any currently transmitting satellite beacons in the range of 10-30 Mhz? These beacons are really fun to listen to on an HF general-coverage receiver because you can listen to the obvious "falling tone" doppler effects. The are also useful in ionospheric studies because they will bounce back into space if the MUF of the ionosphere is above their transmitting frequency. Sometimes one can actually listen to the spacecraft as it passes "holes" in the ionosphere, and often its signal will propagate hundreds of miles through normal HF propagation after entering through one of these holes.

Several months ago, I knew of two such satellites: UoSat-OSCAR 9, an amateur radio satellite, carried propagation beacons on most of the HF amateur bands, but it reentered last year. The Soviet Mir space station used to have a beacon on about 19.954 MHz, but I haven't heard it for quite some time. Perhaps it has a new frequency?

I would appreciate hearing from anyone who has successfully monitored any such satellites. If I get enough of a response, I will post a compiled list of them.

Thanks,

--
Mark A. Haun / 3445 Del Mesa Ct. / Sacramento, CA 95821 / Phone: (916) 488-2965
UUCP: {ames | apple | sun}!pacbell!sactoh0!mahaun | Amateur Radio KJ6PC
INTERNET: pacbell!sactoh0!mahaun@ames.arc.nasa.gov
Amateur Pkt Radio: kj6pc@wa6nwe.#nocal.ca.usa -or- [44.2.0.56] on 144.93 Mhz

From -782041595720943449
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d2161c7c9851cff4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-03 04:39:26 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!GTE.COM!pescatore_jt%ncsd.dnet
From: pescatore_jt%ncsd.dnet@GTE.COM
Newsgroups: rec.ham-radio
Subject: Snippets and ALBANIA??
Message-ID: <9004031139.AA01085@bunny.gte.com>
Date: 3 Apr 90 11:39:26 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 60
Posted: Tue Apr 3 12:39:26 1990

ANOTHER APPLICANT SEEKS FCC

APPROVAL FOR PCN EXPERIMENT

STATUS: Another entity in a growing list of wireless afficionados has filed an application with the FCC for an experimental license to provide personal communications network service (PCN).

PCN, a currently undefined and untested method of wireless communication, has caught the interest of numerous companies and individuals throughout the U.S., Europe and Japan.

The latest American attempt to experiment with PCN was filed by Matrix Personal Communications, Inc. Matrix proposes to provide a low-powered voice and data system for ten handsets in the Chicago area. In a second phase, the proposal calls for expansion to 100 handsets.

COMMENTS: The FCC is aware of the growing interest in wireless communications, as evidenced by the increasing numbers of PCN-related and CT2-related experimental applications.

FCC staffers are preparing a notice of inquiry, requesting additional information about wireless communications and the potential need for spectrum. Meanwhile, it's expected that the FCC will continue granting experimental licenses to applicants whose proposals are relatively small and are not likely to interfere with existing users. Larger proposals, like the recent Millicom filing, may be held in abeyance pending Commission action on the notice of inquiry.

THE NEW YORK TIMES, 3/27.

PHILIPS TO BUILD TV TUBE PLANT, p.D5.

"Detroit, March 26-The Philips Display Components Company said it would build a $100 million color-television picture-tube plant in Saline, Mich. The plant, which could eventually produce high-definition television picture tubes, is scheduled to begin operating in July 1992. Plans call for the production of a million 27-inch color-television picture tubes a year."

!!

Maybe amateur radio licensing will be next?!?!?!?!?!?!?!?!? - EKK

DAILY NEWS, 3/27.

DIRECT TELEPHONE SERVICE LINKS ALBANIA TO WEST.

"Rome, March 27-Albania has opened direct telephone service with the West, lifting some of the restrictions that have made it one of the world's most isolated countries."

de WB2EKK

From 8598260629608218831
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a49143c08eb29b7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-03 05:28:07 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!es.UUCP!Jay_Appell
From: Jay_Appell@es.UUCP
Newsgroups: rec.ham-radio
Subject: Goes Converter
Message-ID: <9004030828.F0D70604FEBB@es.office>
Date: 3 Apr 90 12:28:07 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Tue Apr 3 13:28:07 1990

Re: Bob McGwier
I saw the advertisement you mentioned in QEX. I also explored an ad I saw in QST. Maybe you have seen the ad also with the earth WEFAX photo in grey-scale. I found out that this company buys the down converter from the company in QEX and sells at a lower price. I will be receiving my package shortly and will let you know. Has anyone received media wirephotos ?

-Jay- KA1SNA

From 4356832118311396509
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28ee36dae271047e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-03 06:11:32 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!peregrine!ccicpg!cci632!dvh
From: dvh@cci632.UUCP (David Hallidy)
Newsgroups: rec.ham-radio
Subject: Re: Worthwhile non-amateur use of 902-928 Mhz
Message-ID: <35654@cci632.UUCP>
Date: 3 Apr 90 13:11:32 GMT
References: <21536@bellcore.bellcore.com> <22638@netnews.upenn.edu>
Organization: Computer Consoles Inc. An STC Company, Rochester NY
Lines: 60
Posted: Tue Apr 3 14:11:32 1990

In article <22638@netnews.upenn.edu>, depolo@eniac.seas.upenn.edu (Jeff DePolo-N3HBZ) writes:
> In article <21536@bellcore.bellcore.com> karn@ka9q.bellcore.com (Phil Karn) writes:

```
> >>
> >>We, at UPenn, are in the final stages of putting our
> >>local magnet high school of engineering and
> >>science -- the George Washington Carver High School
> >>in Philadelphia onto the internet via
> >>a spread spectrum radio link operating license free at
> >>900 mh.
> >
> >At the risk of appearing to commit heresy and treason against amateur radio,
> >I have to say that in my opinion this particular application represents a
> >more worthwhile use of the 902-928 MHz band than yet another bunch of ham FM
> >repeaters. And it is certainly far more worthwhile than letting the band go
                                      ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
> >idle, which is its current state in most areas.
   ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
> >
> >Phil
>
  (Some stuff deleted)
>
> By the way, as Phil mentioned, the data link is not amateur-radio specific
> and does not require a license, even though it does operate within
> the amateur band - it's a shared allocation. However, if a lot of people (read
> businesses) see how useful the 902 band could be for both voice and
> digital communications, especially at power levels higher than 1 watt which
> is what the FCC limit is for this type of spread spectrum communications,
> chances are that we'll lose the band completely and it will all be given/sold
> to oranizations who WILL use it.  But hey - we're not using it now, so
                                    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
> what's the big deal...
  ^^^^^^^^^^^^^^^^^^^^^^
>
>                                --- Jeff
```

SPEAK FOR YOUR DAMN SELVES!!! It just so happens that in Jeff's part of the country is probably THE most active group on 902- namely, the Mt. Airy Pack-Rats. I'll bet no one bothered to ask them- specifically WA3AXV, N3CX, WA3NUF, WC2K, WA3JUF, WB3JYO or the other officers of the club about their opinion regarding this subject. The impact of 1 Watt license-free equipment is already being felt on this band- the wireless stereo speakers that are now available immediately come to mind. There is a fairly large, but mostly unsung group of weak signal operators using the 33cm band all over the Northeastern U.S.- you don't hear much from us because we mostly are building stuff and running skeds, and because we're not all over the band. If the feeling is that we need to do something to save the band (and I don't disagree with that feeling), at least have the courtesy to save a small portion, say the bottom few hundred kiloHertz for those of us that pioneered the band. That way we can continue to experiment with useless modes such as CW and EME :^)- and- oh yeah, so we can demonstrate that we can reliably communicate over distances of hundreds of miles with low power and on a band where the expected range of communications is in the tens of miles.

There- I feel better now.

Flames to /dev/null- so there.

```
Dave KD5RO/2    11 states, 35 grids, 3 countries, 1239 miles best dx on 33cm!
```

```
From 5693974779483618908
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f7e105caa6d267fe,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-03 09:50:46 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!cs.utexas.edu!tut.cis.ohio-state.edu!
ucbvax!WPI.WPI.EDU!jwhitson
From: jwhitson@WPI.WPI.EDU (John C Whitson KB2GNC)
Newsgroups: rec.ham-radio
Subject: Second Annual Open House at WPI / W1YK
Message-ID: <9004031650.AA13150@wpi.wpi.edu>
Date: 3 Apr 90 16:50:46 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Tue Apr  3 17:50:46 1990
```

On April 7, 1990, at Worcester Polytechnic Institute in Worcester, Massachusetts, the WPI Wireless Association will be holding The Second Annual Open House in its Ham Shack. It will run from 10:00 AM to 4:00 PM. We will be working on many bands (160m - 10m, 2m, 440MHz, as propagation permits), and in many modes. The Club Station, W1YK, is excellently situated on the roof of Salisbury Laboratories, which is one of the buildings on the top of a large hill where WPI is located.

The WPI Wireless Association, founded in 1909, is the oldest college radio club in the United States. Originally 1YK, the station and club has enjoyed a wide variety of equipment and opportunites, including a 440 MHz repeater and a satellite tranciever station.

Come and help us celebrate our 81st Anniversary!

For more information, send mail to me (see signature), or any of the people you hear working as W1YK.

```
----------  If at first you don't succeed,  so much for skydiving ---------
John Whitson:   Internet: jwhitson@wpi.wpi.edu  Bitnet: jwhitson@wpi.bitnet
73's from KB2GNC/1                         UUCP: uunet!wpi.wpi.edu!jwhitson
----------  Anything with this tag on it is purely my own opinion ---------
```

```
From -1646970024967999771
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c4417bc346a74fb2
```

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-03 10:31:06 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!peregrine!ccicpg!cci632!dvh
From: dvh@cci632.UUCP (David Hallidy)
Newsgroups: rec.ham-radio
Subject: Re: GOES Down Converter
Message-ID: <35664@cci632.UUCP>
Date: 3 Apr 90 17:31:06 GMT
References: <9003290855.6DE40604FB01@es.office> <653@idacrd.UUCP>
Organization: Computer Consoles Inc. An STC Company, Rochester NY
Lines: 42
Posted: Tue Apr 3 18:31:06 1990

In article <653@idacrd.UUCP>, mac@idacrd.UUCP (Robert McGwier) writes:
> From article <9003290855.6DE40604FB01@es.office>, by Jay_Appell@es.UUCP:
> > Can anyone suggest sources for a down converter for GOES reception ?
>
>
> There was a nice looking package from a company in Texas in the latest
> QEX. I don't have it here, can someone pass along the name.
>
> Bob
>
>
> --
> ____
>   My opinions are my own no matter | Robert W. McGwier, N4HY
>   who I work for! ;-) | CCR, AMSAT, etc.
> --

That's Quorum Communications, Inc.
P.O. Box 277
Grapevine, Tx   76051

Phone # (817) 488-4861

It's run by my good friend Rick Fogle, WA5TNY- tell him I said hello.

Rick has been working on this product line for a while now, and with the cooperation of several other noted VHF/UHF/SHF types (WB5LUA and Bill Olson W3HQT/1 of Down East Microwave), has developed what is probably the finest WEFAX line available.

If you're going to the Dayton Hamvention, Quorum will have a booth right next to (actually part of) the Down East Microwave booth. Stop by and talk to Rick, Bill, John WA3ETD (SHF Systems, makers of the single-board no-tune transverters), Rick KK7B, Jim WA8NLC, Al WB5LUA, and last and certainly least, me. I suspect Quorum will have hardware to demo and sell there.

Hope this helps.

Dave Hallidy   KD5RO/2

```
From 7722526991055488705
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6df8d020031e461
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-03 11:15:50 PST
Path: gmdzi!unido!mcsun!uunet!husc6!think!zaphod.mps.ohio-state.edu!usc!
pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: Technical question on RF power measurements
Message-ID: <23878@usc.edu>
Date: 3 Apr 90 12:35:42 GMT
References: <8230@tank.uchicago.edu>
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 11
Posted: Tue Apr  3 13:35:42 1990
```

In article <8230@tank.uchicago.edu> gary@tank.uchicago.edu (Gary Buchholz) writes:
%   2) On 3 different radios(transmitters) I see the following:
%   a) RF Input- 5 Watts; RF Output 4 Watts
Somebody is lying. Possibly in the marketing department.
%   b) RF Input- 5 Watts; RF Output 3.5 Watts
This I find hard to believe also, but it might be possible for a "plate"
modulated class C final, for AM only.
%   c) RF Input- 5 Watts; RF Output 2.5 Watts
This is easy to believe.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

```
From -2127972344780378134
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,86c92d69ab69ee72,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-03 11:56:12 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-
state.edu!ucbvax!dgc.ceo.dg.COM!Don_Lewine
From: Don_Lewine@dgc.ceo.dg.COM
Newsgroups: rec.ham-radio
Subject: Comments on "ARRL FILE FORMAT"
Message-ID: <9004031956.AD00051@rtp40.dg.com>
Date: 3 Apr 90 18:56:12 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 58
Posted: Tue Apr  3 19:56:12 1990
```

COMMENTS ON ARRL FILE FORMAT FOR CONTEST LOGS

This is a response to K1CC's posting:

First, the philosophical objections. I am not a big gun and I have never spent the full contest period on the air. I typically work 300-600 stations in a contest. I have won the EMA section from time to time mainly due to weak competition.

All of my logs are kept by computer using software that I have written. I have no problem formatting a floppy in the format that you request. My question is why should I bother? It might take me a day to write the code and I would have to copy the files off my UNIX system onto an IBM PC to write the floppy. All for zero gain. And I don't even get the floppy back. Why should I go to that bother instead of just printing a log on my laser printer?

To attempt to answer my own question, there are several things that would motivate me to send in an electronic log and even pay for the chance to do it. First, if it were required for stations with over say 500 QSOs. This might cut down the competition. A more positive reason would be getting an audited log back. I would be happy to pay $10 to $20 to get back a floppy with my cross checked QSOs. A simple flagging of unique QSOs would be of value.

In short, I need some better reason than making a contribution to the ARRL's supply of floppy disks.

Now for the technical issues. First, you say, "aligned by column", what does that mean? I assume that you mean in fixed width columns padded (on the right or left?) with ASCII blanks and with a single blank between columns. How about a comma between columns?

Under "CALL" you say, "(allow 15 columns)". There is no specification for the number of columns for any other data item. Can I pad the others to 50 characters each? How about 512 each? Why should the call be longer than the largest station that I work? Should numbers be padded with zeros and right justified?

The statement "Complete exchange sent" and "Complete exchange rcvd" is not very specific. What about contest like SS where there are long exchanges? Should there be blanks in this column making it, in effect, multiple columns or do you want something like 123BWB2UMF65EMA as one hunk?

While there may be a few popular logging programs that many people will use, some of us will want to roll our own. You need to specify EXACTLY what the ARRL will and will not accept. I have been writing software for 30 years and the single largest cause of problems is lack of a clear statement of what is wanted. Do not assume that the world of amateur programmers out there will know what you mean.

Donald Lewine

WB2UMF
uunet!ptech!don <-best
uunet!dg-rtp.dg.com!lewine
lewine@dg-rtp.dg.com
lewine@cheshirecat.dg.com

From 3804332277315113479
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f8391c8373f637e0
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,f8391c8373f637e0
X-Google-Attributes: gid114aac,public
X-Google-Thread: f5cc0,f8391c8373f637e0
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-04-03 12:45:59 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio,rec.radio.shortwave,sci.space
Subject: Re: HF beacons on satellites
Summary: Try RS-10/11
Keywords: HF radio beacons satellites
Message-ID: <40017@apple.Apple.COM>
Date: 3 Apr 90 05:31:41 GMT
References: <2804@sactoh0.UUCP>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 27
Xref: gmdzi rec.ham-radio:10608 rec.radio.shortwave:845 sci.space:11075
Posted: Tue Apr 3 06:31:41 1990

In article <2804@sactoh0.UUCP> mahaun@sactoh0.UUCP (Mark A. Haun) writes:
>Does anyone know of any currently transmitting satellite beacons in
>the range of 10-30 Mhz?

Try the Soviet Radiosport satellites, RS-10/11. (Actually, one satellite with two transponders. I don't know which one is active right now.) Their beacons are on 29.403 and 29.453.

For those who've never tried this before, you can determine when they'll pass over your location by using tracking software in conjunction with the Keplerian elements that Tom Kelso posts to rec.ham-radio (and sci.space?) every week or so.

>Several months ago, I knew of two such satellites: UoSat-OSCAR 9,
>an amateur radio satellite, carried propagation beacons on most
>of the HF amateur bands, but it reentered last year.

Really? I thought it was only on VHF. If it was on HF, maybe its sister satellite, UO-11, is on HF as well.

Patty
--

```
****************************************************************************
Patty Winter N6BIS                       INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                    UUCP: {decwrl,nsc,sun}!apple!winter
****************************************************************************
```

From -7054106624598082304
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2fe2dbd76acb4f9e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-03 13:00:06 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!uwm.edu!cs.utexas.edu!rice!uw-beaver!sumax!amc-gw!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: Aargh! Want address/info to get Heathkit catalog
Message-ID: <609@ssc.UUCP>
Date: 2 Apr 90 20:50:07 GMT
References: <1990Mar31.020339.14162@NCoast.ORG>
Organization: SSC, Inc., Seattle, WA
Lines: 18
Posted: Mon Apr 2 21:50:07 1990

In article <1990Mar31.020339.14162@NCoast.ORG>, allbery@NCoast.ORG (Brandon S. Allbery) writes:
> I discovered earlier this week that the Cleveland area's only remaining
> Heathkit store is no more. Is Heathkit gone? If not, where and to whom do I
> write to get a catalog?

Try (800) 253-0570. Visa, Mastercard, and American Express.

It sure looks like the beancounters have gotten to Heath. Half the stuff
in the catalog is only available assembled, and the retail stores (actually
a seperate corporation to dodge the state sales taxes) seem to be mutating into
Apple Computer dealerships. The local store is even closed Saturdays.

On the plus side, they're back in the hi-fi stereo kit buisness.

Now that Bull is buying the Zenith Computer division, who got Heath?
Bull or Zenith?

markz@ssc.uucp

From 1017999316613355O1
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d32c5a9b0a6a9b3c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-03 13:15:27 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!usc!apple!well!nagle
From: nagle@well.sf.ca.us (John Nagle)
Newsgroups: rec.ham-radio

Subject: Re: Address of Wyman Research
Message-ID: <17014@well.sf.ca.us>
Date: 3 Apr 90 06:37:45 GMT
References: <726@smcnet.UUCP>
Reply-To: nagle@well.UUCP (John Nagle)
Lines: 21
Posted: Tue Apr 3 07:37:45 1990

In article <726@smcnet.UUCP> lawrence@smcnet.UUCP (Lawrence Roney) writes:
>
>Does anyone have the address of Wyman Research. They are the manufacturers of
>amateur television exciters.

Wyman Research, Inc.
R.R. #1, Box 95
Waldron, IN 46182

317-525-6542

A very small operation, Wyman uses Wood and Douglas components and builds various units around them. I've used their gear for mobile robot video. Wyman sells FM TV gear, which has good noise immunity, although hams may find it difficult to find someone to talk to.

Video linearity and audio bandwidth are both poor by broadcast standards. But compared to typical AM ATV, it's great.

John Nagle

From 8074054932613839941
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28ee36dae271047e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-03 14:57:56 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!shlump.nac.dec.com!carafe!goldstein
From: goldstein@carafe.enet.dec.com (Fred R. Goldstein k1io)
Newsgroups: rec.ham-radio
Subject: Re: Worthwhile non-amateur use of 902-928 Mhz
Keywords: Note the inherent self-contradition in this message
Message-ID: <9914@shlump.nac.dec.com>
Date: 3 Apr 90 15:00:40 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 18
Posted: Tue Apr 3 16:00:40 1990

Heck, I wouldn't worry too much about 902-928 being turned over to commercial services anytime soon. Not so long as its primary occupant is the ISM service!

It's a garbage band, given to hams because hams won't interfere with rf heaters. :-) Now if the spread-spectrum data were able to get thru the crud, and there were little enough crud that the rf-modem vendors didn't get overwhelmed with complaints, then maybe...

Incidentally I just received the latest edition of Mischa Schwartz' book on modulation and noise. It has all sorts of useful information about modulation, coding, etc., albeit a bit too mathematical for my taste.

```
---
Fred R. Goldstein   goldstein@carafe.enet.dec.com
                 or goldstein@delni.enet.dec.com
                    voice:  +1 508 486 7388
```

```
From -4123916917607017238
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9e1c1a3d200a51be,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,9e1c1a3d200a51be,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: f9532,9e1c1a3d200a51be,start
X-Google-Attributes: gidf9532,public
X-Google-ArrivalTime: 1990-04-03 14:58:22 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!apple!oliveb!pyramid!cbmvax!heimat!
sneakers
From: sneakers@heimat.UUCP (Dan "Sneakers" Schein)
Newsgroups: misc.wanted,rec.ham-radio,rec.radio.shortwave
Subject: PRO-34 scan speed mod wanted...
Message-ID: <11336.AA11336@heimat>
Date: 3 Apr 90 02:39:11 GMT
Followup-To: misc.wanted,rec.ham-radio,rec.radio.shortwave
Organization: Sneakers Computing
Lines: 15
Xref: gmdzi misc.wanted:3967 rec.ham-radio:10612 rec.radio.shortwave:848
Posted: Tue Apr  3 03:39:11 1990
```

[-=-]

Im in need of a mod for the Radio Shack PRO-34 to increase the -SLOW- scan speed. If you know of one, please send E-Mail.

Sneakers

```
--
                                   ___
     Dan "Sneakers" Schein        ////  Quote:
     Sneakers Computing          ////        Those who worked the hardest
     2455 McKinley Ave.     ___  ////        are the last to surrender.
     West Lawn, PA 19609    \\\////                -= Gary Ward =-
                             \\///
     sneakers%heimat@commodore.com    (or)    uunet!cbmvax!heimat!sneakers
```

From 1282492984609848754
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,32e567444bddfbd5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-03 16:59:07 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery)
Newsgroups: rec.ham-radio
Subject: Re: Amateur Radio is Enjoyable!
Message-ID: <1990Apr3.235907.6231@NCoast.ORG>
Date: 3 Apr 90 23:59:07 GMT
References: <1223@necis.UUCP>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery)
Followup-To: rec.ham-radio
Organization: North Coast Public Access UN*X, Cleveland, OH
Lines: 41
Posted: Wed Apr 4 00:59:07 1990

As quoted from <1223@necis.UUCP> by rbono@necis.UUCP (Rich Bono):

```
+---------------
|                  Amateur Radio IS very enjoyable, share it!!
+---------------
```

Undoubtedly. Unfortunately, I'm currently finding the *physical* requirements to be a bear....

To wit: I live in an apartment, on the ground floor. Putting up an antenna down here would seem inadviseable, the landlord doesn't like antennas hanging from e.g. the patio of the apartment above mine, and even if I'm allowed to put an antenna on the roof, I'm none too keen on climbing around up there. So I've scratched working from my apartment for now.

My next thought was, of course, mobile. Ever try to fit a radio---ham, CB, or otherwise, aside from in-dashboard models---into a Ford Escort? It doesn't look too promising, unless there's one that will fit into the dashboard. So far, the only radio I've been able to see up close is the Radio Shack HTX-100; it won't fit. About the only place I can see to put it is somewhere where it will be virtually begging for someone to break in and steal it---and I sometimes have to go to parts of town where having something that visible is a *very* bad idea. An alternative would be to stuff it in the glove compartment---my father did that back when he had a CB, and even had a special mount for it so that the radio could be seen and tuned within the glove compartment---but, again, it won't fit.

I seem to be stuck with a handheld. Do 10 meter HT's exist? (Until I upgrade, I'm rather limited in voice bands---and I don't want to try to operate CW while I'm driving....) I don't want to jump into 220 only to have it mostly disappear, and while 1270-1295 looks interesting, I'd like to also have a presense on bands which have a somewhat better chance of reaching non-local stations.

So I'm looking for suggestions. (Aside from "upgrade"---I'm working on it,
but I suspect that I'll be able to get on the air before a test date coincides
with my schedule.)

++Brandon (Novice ticket pending FCC approval)
--
Brandon S. Allbery (human), allbery@NCoast.ORG (Internet), BALLBERY (MCI Mail)
ALLBERY (Delphi), uunet!cwjcc.cwru.edu!ncoast!allbery (UUCP), BrandonA (A-OL)

From 7015856109771411743
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,50e6311cceaa73bd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-03 18:30:50 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sol.ctr.columbia.edu!samsung!hp-sdd!
hplabs!hpfcso!hpfcbig!twt
From: twt@hpfcbig.SDE.HP.COM (Tim Tillson)
Newsgroups: rec.ham-radio
Subject: Kenwood 940S vs Icom 765??
Message-ID: <7650004@hpfcbig.SDE.HP.COM>
Date: 4 Apr 90 01:30:50 GMT
Organization: HP SESD, Fort Collins, CO
Lines: 5
Posted: Wed Apr 4 02:30:50 1990

I'm looking for comments on the Kenwood TS-940S and/or the Icom IC-765
transceivers. Has anyone out there compared them head to head?

Tim (ticket coming) Tillson

From -3896701872468690227
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f8391c8373f637e0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 02:00:37 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!cs.utexas.edu!asuvax!ncar!mephisto!udel!
princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: HF beacons on satellites
Message-ID: <656@idacrd.UUCP>
Date: 3 Apr 90 15:55:17 GMT
References: <40017@apple.Apple.COM>
Organization: idacrd, princeton, nj
Lines: 22
Posted: Tue Apr 3 16:55:17 1990

From article <40017@apple.Apple.COM>, by winter@Apple.COM (Patty Winter):
>
> Really? I thought it was only on VHF. If it was on HF, maybe its

> sister satellite, UO-11, is on HF as well.
> Patty

UO-11 does not have an HF beacon. I heard several of the HF beacons on UO-9. It was a shame that more was not done with the beacons. I think the University of Surrey program is just outstanding, packing a lot of neat stuff into their birds on a shoestring budget. My only complaint with them is their `on orbit support' of a user community which could be a lot bigger if kept better informed. I could never find out what beacon was going to be on when and found it frustrating. This has gotten much better with UO-11 running DIARY and Jeff Ward's arrival at Surrey.

Bob
--
```
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

From 2420873909446383064
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fbcfae41cccdd021,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-04-04 03:02:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!ibma.nerc-wallingford.ac.UK!PJML
From: PJML@ibma.nerc-wallingford.ac.UK ("Pete Lucas, NCS-TLC, Swindon U.K.")
Newsgroups: rec.ham-radio
Subject: HF Transceiver to drive transverter.
Message-ID: <04.Apr.90.11:14:03.BST.#9795@UK.AC.NWL.IA>
Date: 4 Apr 90 10:02:25 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 42
Posted: Wed Apr 4 11:02:25 1990

Anyone out in netland got any advice on HF transceivers? I primarily want one to drive transverters for six, four and two meters (yes we have 70.0 to 70.5MHz as a ham band here in the UK).

Requirements as follows:

'Old' HF bands (not interested in WARC bands).
Spin-tuned VFO (no nasty synthesizers unless they step in 1Hz steps!)
Analog readout to 1KHz or better.
AM/FM/SSB capability.
High resistance to crossmodulation (i.e a tube frontend!)
Room for lots of filters (15KHz, 6KHz, 2.4KHz and 600Hz).
Plenty of audio output (at least 4 watts to external speaker)
Input socket for ALC from transverter.
Able to run 100% duty cycle for at least 1/2 hour on FM/AM/RTTY duty.

User-serviceable without any need for special tools, non miniature components, no surface-mount devices, and finally;

No Gimmicks! I dont want scanning, memories, voice IDs, speech processors or any of that sort of stuff.

Somehow i think i have just described a member of the Drake '4' line.... alas these seem to be somewhat scarce on the European secondhand market. Some of the early TEN-TEC gear also seems a possibility (before ten-tec got bitten by the microprocessor bug!).

Work you on Six soon???

```
   Pete Lucas         PJML@UK.AC.NERC-WALLINGFORD.IBMA       0793-411613

Please use the following addresses for reply:         +     \/Natural
                                                      +    \/\Environment
JANET: PJML@UK.AC.NERC-WALLINGFORD.IBMA               +   \/\/Research
ARPA : PJML%IA.NWL.AC.UK@NSS.CS.UCL.AC.UK             +  \/\/\Council
EARN : PJML%UK.AC.NWL.IA@UKACRL                       +  NERC Computer Services
AX25 : G6WBJ       {144.650MHz}                       +   Holbrook House
SPAN : STAR::"PJML%IA.NWL.AC.UK@NSS.CS.UCL.AC.UK"     +    Station Road
PHONE: +44 793 411613                                 +     SWINDON SN1 1DE
FAX  : +44 793 411503                                 +      GREAT BRITAIN
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
+                       'The One-Nighters'   86.437.5                         +
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
```

From -3117031872548011255
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15fab99b94f7d7f4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-24 01:48:03 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.UUCP (Eton Witherspoon)
Newsgroups: rec.ham-radio
Subject: Litz wire
Keywords: groan
Message-ID: <26780@ut-emx.UUCP>
Date: 23 Mar 90 23:21:37 GMT
Organization: The University of Texas at Austin, Austin, Texas
Lines: 16
Posted: Sat Mar 24 00:21:37 1990

charlie@oakhill.UUCP (Charlie Thompson) comments:

Litz.....hmm Lizt...didn't he write Hungarian Rhapsody??? ;-)

-C.T.

Nah, that was what we call a Liszt Operation.

(exits left to escape rotten fruit and veg)

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu

From -2005726636223766845
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aa7082ad7357475e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-24 02:00:09 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!purdue!mentor.cc.purdue.edu!pur-ee!ea.ecn.purdue.edu!wb9omc
From: wb9omc@ea.ecn.purdue.edu (Duane P Mantick)
Newsgroups: rec.ham-radio
Subject: RE: V31BB
Message-ID: <19801@ea.ecn.purdue.edu>
Date: 23 Mar 90 23:07:10 GMT
Reply-To: wb9omc@ea.ecn.purdue.edu (Duane P Mantick)
Organization: Purdue University Engineering Computer Network
Lines: 43
Posted: Sat Mar 24 00:07:10 1990

>>From: mark@gizzmo.UUCP (mark hilliard)
>Every day without fail there is a fellow on (ve31bb or v31bb)
>who has the loudest signal that I have EVER heard (he must be pumping 1kw)
>talking or trying to get people to talk about poor MFJ product quality and
>design. He is claiming all kinds of problems from MFJ on products and support.
>The number of people joining in is astounding! Is this possible? Is the
>MFJ product line as bad as he claims? If so, why is the league promoting

I have heard him and listened with upraised eyebrow on many, many
occasions. First off, I have heard him say that anyone who runs
under 250 watts is an "insect" whodeserves to be squashed by
the 1KW flyswatter. Me and my barefoot Uniden HR2510 (which has
worked from Indiana to Japan, Cuba, Mexico, etc.etc. take
exception to his "pro" ham attitude.

>I dont agree with his method of attracting attention to his cause on 10 meters.

Nor, it seems, does the Belize equivalent of the FCC. I heard him
whining one day that somebody at MFJ had gotten these folks on
him, who promptly told him to "cool it". He launched into a
diatribe about how Belize must have been worried about having
its foreign aid cut off and so on or maybe MFJ just bought
them off, so on and so on. He acted that day more like a
whipped puppy than his usual obnoxious self.

>Any comments on MFJ or this fellows means of getting support?

Yes. I think he acts like a real jerk. Sure, I'd love to have
a QSL card from Belize, but since his royal behindness deigns

to not lower himself to QSO with "insects", I can get nice QSL's
elsewhere, thank you.

I don't know about MFJ quality, not ever having owned any.
However, I *do* think that discussing the quality of ham
equipment on the ham bands is acceptable. I *don't* think
that V31BB'S diatribes against MFJ are acceptable. This goes
far beyond a simple discussion of quality and sounds more
like a personal vendetta. If I was running MFJ and had
to put up with this, I'd try to find a way to sue him
and force him to either "put up" evidence to back up
his slander or "shut up". (you know, "put up or shut up"?)

It is people like V31BB that give Amateur Radio a bad rap.

Duane Mantick
WB9OMC, a "25 watts on 10-meters" insect (according to V31BB, anyway)

From -8081661943315884437
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62f04f861dd88a6a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-24 02:33:34 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: "Currents of Death" - Followup
Message-ID: <1250135@hpnmdla.HP.COM>
Date: 23 Mar 90 19:18:00 GMT
References: <1478@anasaz.UUCP>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 4
Posted: Fri Mar 23 20:18:00 1990

I believe Paul Brodeur's potboiler on the biological effects of microwaves
was called "The Zapping of America".

Al N1AL

From 2198460628042349716
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5943c641c136d40c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-24 02:44:55 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!tekigm2!davidn
From: davidn@tekigm2.MEN.TEK.COM (David C Norton)
Newsgroups: rec.ham-radio
Subject: Re: A51JS
Summary: Judgement?
Message-ID: <8692@tekigm2.MEN.TEK.COM>

Date: 24 Mar 90 00:32:14 GMT
References: <612.260A8F50@weyr.FIDONET.ORG>
Organization: Tektronix Inc., Beaverton, Or.
Lines: 13
Posted: Sat Mar 24 01:32:14 1990

In article <612.260A8F50@weyr.FIDONET.ORG>, katz@weyr.FIDONET.ORG (sylvan katz) writes:

> I fully agree with you. Amateur radio is just that amateur radio ...
> It is done for enjoyment and experimentation. Paying $50 g's to get a
> licence for a dx call is not only unreasonable but it is indicative of poor
> judgement as a ham. If the gentleman fe> els he needs that kind of
> attention I say let him pay the bill himself.

I agree, but since the $50,000 figure is pretty unbelievable, one might conclude that accepting this story as reported is "indicative of poor judgement as a ham". :-) Seriously though, knowing Jim Smith, I would be very surpised if this story is accurate.

David, AB9O

From 5857901648094033251
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56747e692faff91f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-24 03:02:56 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!usenet.ins.cwru.edu!cwjcc!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery)
Newsgroups: rec.ham-radio
Subject: Re: Modem tax on phone lines.
Message-ID: <1990Mar24.003226.20159@NCoast.ORG>
Date: 24 Mar 90 00:32:26 GMT
References: <9003220921.AA10239@ucbvax.Berkeley.EDU>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery)
Followup-To: rec.ham-radio
Organization: North Coast Public Access UN*X, Cleveland, OH
Lines: 17
Posted: Sat Mar 24 01:32:26 1990

As quoted from <9003220921.AA10239@ucbvax.Berkeley.EDU> by PLB@PSUARCH.BITNET ("P Bandini, PSU Arch Dept, 814/863-0062"):
+---------------
| It just came to my attention that the FCC is considering an
| additional tax for modem use of telephone lines...
+---------------

Sigh. This issue has been dead for *two* *years*. The FCC has recently for the Nth time denied that it is again under consideration. (See article in comp.dcom.telecom by William S. Degnan for details.)

There is no modem use and/or data tax under consideration.

++Brandon
--
Brandon S. Allbery (human), allbery@NCoast.ORG (Inet), BALLBERY (MCI Mail)
ALLBERY (Delphi), uunet!cwjcc.cwru.edu!ncoast!allbery (UUCP), B.ALLBERY (GEnie)
BrandonA (A-Online) ("...and a partridge in a pear tree!" ;-)

From -1336453255278058475
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5943c641c136d40c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-24 03:16:36 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!apple!sun-barr!newstop!sun!amdahl!twg.com!sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: A51JS
Message-ID: <283@gollum.twg.com>
Date: 23 Mar 90 17:50:15 GMT
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 5
Posted: Fri Mar 23 18:50:15 1990

Oops. There is a major error in my posting about Bhutan extorting a license fee before granting the A51JS license. It seems the amount was $5K and not $50K. That's -10 db, so please reduce the level of outrage reflected from S9 to S7.

AA6KX

From 4590414007943618639
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8eba7af99d09cc9f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-24 03:46:36 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!utgpu!watserv1!ria!uwovax!31002_1650
From: 31002_1650@uwovax.uwo.ca
Newsgroups: rec.ham-radio
Subject: Wanted! STORNO Repeater Manuals
Message-ID: <5476.260aa4fb@uwovax.uwo.ca>
Date: 24 Mar 90 03:36:43 GMT
Lines: 12
Posted: Sat Mar 24 04:36:43 1990

I have a STORNO model CQF662 10 watt UHF repeater that I am putting into service on 70 cm. I am in DIRE need of a documentation set for this box and will pay any and all costs incurred by somebody who has a manual and will photocopy it and snailmail it to me.

Your help would save lotz and lotz of aspirin...

Anthony Varga VE3ZAV
(519) 681 1650 Home
(519) 452 6367 Work

Call anytime...73

From -4042027403337483\52
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5364c76d74269ebf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-24 04:28:12 PST
Path: gmdzi!unido!mcsun!uunet!cadnetix.COM!cadnetix!rusty
From: rusty@cadnetix.COM (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Phil Karn (was Re: Anthropology 101)
Message-ID: <11844@cadnetix.COM>
Date: 23 Mar 90 19:36:41 GMT
Sender: news@cadnetix.COM
Reply-To: rusty@cadnetix.COM (Rusty Carruth)
Organization: Cadnetix Corp., Boulder, CO
Lines: 22
Posted: Fri Mar 23 20:36:41 1990

In article <21136@bellcore.bellcore.com> karn@ka9q.bellcore.com (Phil Karn)
writes:
>
>Phil

Ok, all you non-ARRL members who want to see what Phil looks like in the
flesh, go grab the most recent issue of QST. Phil is shown sitting next to
a sun 3 (/50? cannot tell, the picture is B/W :-)), along with a nice article
about him.

   :-)

Seriously, I did enjoy the article. I hope that some people take the
bait and join the highspeed packet development effort.

(I wonder if we should try to get packet bbs and usenet mail addresses
included in such articles next time? I've considered putting my email
address on my QSL card.)

---Join the usenet un-net, 28.410 and/or 28.390(+-) 1700Z to 1900Z saturdays!
Rusty Carruth.   Radio: N7IKQ   ^^ or later :-)
DOMAIN: rusty@cadnetix.com   UUCP:{uunet,boulder}!cadnetix!rusty
home: POB. 461, Lafayette CO 80026

From -4511777384091502731
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f35daeb8b9c04cf

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-24 05:02:31 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!watserv1!watmath!att!cbnewse!parnass
From: parnass@cbnewse.ATT.COM (Bob Parnass, AJ9S)
Newsgroups: rec.ham-radio
Subject: Re: Wild accusations against MFJ?
Summary: MFJ workmanship
Message-ID: <13759@cbnewse.ATT.COM>
Date: 24 Mar 90 03:45:10 GMT
References: <118@gizzmo.UUCP>
Organization: AT&T Bell Laboratories, Naperville, IL
Lines: 18
Posted: Sat Mar 24 04:45:10 1990

In article <118@gizzmo.UUCP>, mark@gizzmo.UUCP (mark hilliard) writes:

> ...Is MFJ product line as bad as he claims?

To be charitable, many MFJ ham products seemed to be kind of junky,
but they did fill a need for low cost ham accessories that Heath
and other companies stubbornly refused to fill.

I had to fix at least one bad solder joint in 3 of the 4 MFJ
products I own. Some of the hand wiring was deplorable, including
insulation melted on the wires. IMHO, MFJ low power antenna tuners
looked kind of raunchy, too.

I generally like their electronic keyers. The MFJ products which use
PC boards appear better quality than their antenna switches and tuners.
--
==
Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihuxz!parnass (708)979-5414

From 5596178710208901357
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-24 05:03:01 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com (DUBE TODD)
Newsgroups: rec.ham-radio
Subject: Re: Re: Increasing CW speed
Message-ID: <9003231820.AA29999@ti.com>
Date: 23 Mar 90 17:48:40 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 29
Posted: Fri Mar 23 18:48:40 1990

Phil Howard's reply to a proposed method for learning CW included the
statement: "...I, and a very large number of hams are presently incapable

of learning CW...."

What on earth is this?? I see a KA9WGN on Phil's signature, so he has either learned CW (thereby completely disproving his point), or he somehow obtained his call without passing the code test. NO! There are no hams who have obtained their tickets under existing rules who are INCAPABLE of learning the code.

There are some good arguments for no-code, but the human mind's incapability to learn is not one of them, as any study of the psychology of learning will show. CW is nothing other than a set of symbols, much as writing, or the spoken word. If one is capable of learning a language, or to read, then one certainly CAPABLE of learning CW. I submit also, that if one can learn to type, one can learn CW. I hate to see the concept of learning MOTIVATION confused with learning ABILITY.

But onward to another point: Let's say that the CW requirement had been dropped in 1929. I submit that there would have been in the intervening years a number of attempts to reduce or eliminate the technical requirements for a license. I submit that MOST of the arguments that have been presented in opposition to the CW requirement could JUST AS EASILY be applied to any other entrance requirement, including examinations. Just plug in your favorite hang-up in place of "CW" in all the preceding arguments and see how it comes out.

Thanks,
Dube Todd, N5PDK

From -815551678601291023
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,44c61d7f217fba05,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-24 08:36:23 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: FCC FY 1991 Budget Request
Message-ID: <9003241636.AA13728@cmr.ncsl.nist.gov>
Date: 24 Mar 90 16:36:23 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 43
Posted: Sat Mar 24 17:36:23 1990

Extracted from "Broadcasting", Mar 19, 1990

Work toward a standard for the broadcast of high-definition television will get a big boost - if the FCC gets all that it asks for in its proposed $118 million budget for fiscal 1991.

....

According to a breakout of the budget request, the FCC has allocated $300,000 for outside studies on HDTV and $50,000 for new lab equipment for HDTV work by the (FCC) Office of Engineering and Technology (OET).

The balance of the additional (HDTV) funds would go toward the hiring of six full-time employees devoted to HDTV - one attorney and two engineers in the Mass Media Bureau and three engineers in OET.

....

The FCC's proposed budget for 1991 is $10.5 million more than it has to work with during the current fiscal year.

....

```
*   Further confirming Sikes's reputation as an enforcement-minded chairman, *
* 13 [new employees] would be involved in enforcement in one office or       *
* another: ..... , an attorney to effect its amateur radio compliance        *
* program, an attorney for rule-makings in land mobile and private radio,    *
* and two technicians and three engineers for the Field Operations           *
* Bureau (FOB).
```

The FOB's facilities would also give a facelift. Some $326,000 is slated for new equipment for the Bureau, $110,000 for new vehicles, and $100,000 for miscellaneous repairs to various field facilities.

Sikes told the congressmen that he would like the FOB to take a more active role in enforcing FCC rules. Right now, he said, the FOB, because of its limited resources, acts only after it receives a complaint.

....

Even though the request represents a 9.7% increase over fiscal 1990, Sikes made it clear that it falls short of what the agency needs to keep up with the dynamic telecommunications industry. Revenues from the "communications and information" sector doubled in the 1980's, he said. "At the same time, however, the FCC's budget actually shrunk by nearly one-third in terms of actual spending power," he said. "The FCC will...embark upon this last decade of the 20th Century with 20% less in revenue and human resources than it enjoyed in 1981."

....

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         ---------------------------------------
         *   My emphasis  *
```

From 5689288822533176585
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fd0ede28d373798,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-24 12:00:22 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!TECNET1.JCTE.JCS.MIL!mgb
From: mgb@TECNET1.JCTE.JCS.MIL
Newsgroups: rec.ham-radio
Subject: IC-2SAT TX/RX mod
Message-ID: <9003242000.AA07879@tecnet1.jcte.jcs.mil>
Date: 24 Mar 90 20:00:22 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 93

Posted: Sat Mar 24 21:00:22 1990

I read a posting a few weeks ago where a gentleman was interested in any mods for the IC-2SAT that extended transmit or receive frequency range. I didn't pay much attention to it then, but when the XYL got one for me as a birthday present... that attitude changed markedly! :-)

Well, I gathered up all I could find on the issue and broke out the soldering iron and took apart the radio that was less that one day old.
(OH NO Mr. Bill!!!!)

Here's the straight scoop and I HAVE tried this but you still proceed at your own risk (in case you were so foolish as to not know that :-)

Take the battery cover off the bottom and remove the two screws.
Remove two screws directly behind PTT button.
Remove one screw where handy-carry strap goes.

Gently pull on the front half of the radio and the radio will split apart but don't pull TOO far because the front half of the radio is still attached to the back half with that flexible plastic film wiring stuff. Fold front half to the right and lay it down.

WARNING: The battery//cover release button can now pop out and a little itsy-bitsy tiny spring can take off for parts unknown. (Ask me how I know this... I spent 2 HOURS looking for that little sucker!) Pull the button out of the case NOW and watch out for that blasted little spring!

All work is done on the circuit board inside the FRONT half of the radio (the part that you just pulled off).

EXTENDED RECEIVE:

Look along the RIGHT side of the circuit board and about halfway down the right side you will see a tiny circuit board that is mounted VERTICALLY on it, aligned from top to bottom. Look at the TOP of this little tiny board and you will see a normal diode (D-9) that is vertically mounted on the vertical board. Sounds confusing, but you can't miss it, it's right on the top end of the board.

Cut this diode. Don't try to unsolder it... CUT IT. Take my word on it.

WARNING: Don't pull the diode away from the board and leave it hanging. When you put the radio back together it is a very close fit and if you short the diode, the radio won't work. The PLL stays unlocked but no damage will occur. (yeah, I did that too :-)

If you stop right here and reassemble the radio, you will now have extended RECEIVE capability after you reset the radio according to the instructions in the manual on the first page. And it REALLY is extended. My PLL was still locked up down around 88 Mhz and actually received FM broadcast stations although it obviously sounded BAD! :-) The radio freq. read-out now will go all the way up past 1 GHz, but that's just the dial read-out, check the Channel Indicator and when it goes to a "U" for "Unlocked" you can keep an eye on PLL performance, however I was amazed at where the PLL was locking up and the fact that it was actually receiving (albeit poorly) across a very very wide range. Yes, of course the sensitivity is way down the further you wander from the 144-148 design frequency range but it still is pretty impressive, and the new freqs. can be stored in memory and scanned.

EXTENDED TRANSMIT:

Look for the big IC directly in the middle of the main board on the front cover (IC-1 40608). Go to the bottom right corner of it. Move your eyes slightly to the right and you will see three chip resisters in a row. Just to the right of THOSE you will see three silk screened dots that are bracketed by a rectangle of white ink lines where a factory diode package would have gone. The "dots" form a triangle with one at the top and two at the bottom. Install a diode (1N914 or equivalent) with the cathode on the TOP dot and the anode on the bottom left dot.

This will give you extended transmit from about 138-163 or so.

But if you believe that trying to get a diode in there (without shorting out a lot of stuff) is impossible, (and you are very close to being correct) then FORGET this approach. Instead get Icom's diode DA (# 1750000160) and install IT in the same place.

I tried using the 1N914, and it was a TOUGH job. It worked but looked horrible and was in imminent danger of falling off. I tried it out, verified that it worked... and pulled it right out. I have the diode DA pack on order now and will do it right when it gets here. I would politely suggest that you forget trying to use the 1N914 unless you have a micro-miniature repair facility at hand. (I did and still didn't like it).

To avoid hate mail .... I have to remind you that it is illegal to transmit on the air with this radio out of the Amateur Bands unless a legitimate emergency exists. (Type acceptance and all that.)

However if you (like me) plan on using it for a quick and dirty sig-gen into a dummy load, then it is the cat's meow!

Mark Bitterlich WA3JPY
mgb@tecnet1.jcte.jcs.mil

From -1299330750371320257
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-24 15:47:01 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio

Subject: Re: Re: Increasing CW speed
Message-ID: <12706@ucsd.Edu>
Date: 24 Mar 90 23:47:01 GMT
References: <9003231820.AA29999@ti.com> <1990Mar24.201432.22307@Neon.Stanford.EDU>
<54050@bbn.COM>
Reply-To: brian@ucsd.edu (Brian Kantor)
Organization: The Avant-Garde of the Now, Ltd.
Lines: 19
Posted: Sun Mar 25 00:47:01 1990

In article <54050@bbn.COM> chartnes@vax.bbn.com (Clark Hartness) writes
a whole bunch of pollyanna-ish sweetness and light followed by
>   I think we should start another net. We can call it:
>   REC.HAM-RADIO.DEBATE
>   This way those of us who wish to read these debate team training
>articles can and the net can be freed up for technical questions and not
>opinions and critical analysis of every word in an opinion.

Sorry, Clark, we won't shut up and go away. If you're uncomfortable
with what you hear, the fault lies in yourself. No-code is a valid
subject for debate: we supporters believe passionately that we have the
very best interests of ham radio at heart. I don't think you do; I
think you just want to be left alone and not have your irrational
beliefs challenged because it makes you uncomfortable - no doubt
because you realize that your position is not supported by the evidence.

CW is dying, and the only regret I have about that is that those who
support it as a mandatory requirement aren't dying with it.
     - Brian

From 7308092135077829381
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e0aa1c4f9f61046d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-24 16:20:23 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!apple!sun-barr!decwrl!ucbvax!
TECNET1.JCTE.JCS.MIL!mgb
From: mgb@TECNET1.JCTE.JCS.MIL
Newsgroups: rec.ham-radio
Subject: Increasing CW Speed
Message-ID: <9003250020.AA12799@tecnet1.jcte.jcs.mil>
Date: 25 Mar 90 00:20:23 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 53
Posted: Sun Mar 25 01:20:23 1990

In article <9003231820.AA29999@ti.com> dube@cpdvax.csc.ti.com (DUBE TODD)
> I submit that MOST of the arguments that have been presented in
>opposition to the CW requirement could JUST AS EASILY be applied to any other
>entrance requirement, including examinations. Just plug in your favorite
>hang-up in place of "CW" in all the preceding arguments and see how it comes

>out.

shelby!neon!bodega.stanford.edu!paulf@decwrl.dec.com (Paul Flaherty) replies:
>Obviously untrue. While you can operate an hf station without knowledge of
>CW, you can't do so reliably (if at all) without some knowledge of technical
>detail or regulations.

While pretty much trying to stay out of this worn out discussion, I really have to say that I agree with Dube Todd 100% on the point that he has made in his posting. There are some good arguments for no-code, but some of the ones read on here lately are pretty poor and Dube is right on line with his comments as far as I am concerned.

Paul, your comments about not being able to reliably operate modern HF rigs "reliably (if at all) without some knowledge of technical detail or regulations" is a joke. Many... I say again ... MANY MANY ... gosh darn it *MANY* CB operators are doing just the very thing that you are talking about AS WE SPEAK! You plug in the radio, you read a little bit of the manual... you hook up a mike and you turn it on! I am talking about amateur gear here Paul... there is nothing complicated about operating it now-a-days other than possibly keeping it on the right frequency, more on that line in a minute!

There are a LARGE degree of licensed amateur operators that also do this very same thing. They learn the regulations and the theory the way that Phil Howard says he learned CW. I.E. Just enough to get by and pass the test with absolutely no intention of trying to actually LEARN the stuff. After all they don't WANT to be "techies" they just want to TALK, and they see no need to spend hours and hours trying to understand what a Phase Locked Loop is or how it works. These people may perform tremendously in public service events but in some cases, putting a connector on a piece of coax is beyond them. I point as proof of that to the recent embarrassments we as ham operators suffered during the latest DX frenzy as well as personal experience.

Your comments are just not true Paul. This is not a flame at all, it is just an observation of the real world that says that about anybody that has the desire and the $$$ can make a HF rig work. And as you can see from my above paragraph, the same argument that some have been using to condemn CW applies just as well to all other portions of the test.

I like a no-code license... I don't like doing away with Novice and Tech. to get a "Communicator Class", but if that is what it takes... well ok. One of my worries is that before too much longer, the theory test will be the next thing to go for EXACTLY the reasons that Dube pointed out.

Mark Bitterlich   WA3JPY
mgb@tecnet1.jcte.jcs.mil

From -7547072814542592503
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ad6eb992739eae2d,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-24 16:39:21 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jgrubs
From: jgrubs@w8grt.nstar.com (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: CODE vs NO-CODE
Message-ID: <a1ckg1w161w@w8grt.nstar.com>
Date: 25 Mar 90 00:39:21 GMT
Organization: QRV de W8GRT
Lines: 8
Posted: Sun Mar 25 01:39:21 1990

Let's drop the argument. Code can be useful. Code can be fun for those who like it. Big deal! That does not by itself make it necessary to require testing on code proficiency on VHF only licenses. Noone is going to change anyone else's mind on those points.

But NPRM 90-55 is up for consideration and comment. It seems almost 100% certain to be approved. Let us therefore limit our arguing to the more constructive issues of how best to implement no-code. Pax?

From -1335902043833509561
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2832e829d683d737,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,2832e829d683d737,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-03-24 18:14:51 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!rutgers!att!tsdiag!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: * SpaceNews 26-Mar-90 *
Keywords: Amateur Satellite News and More!
Message-ID: <240@ka2qhd.UUCP>
Date: 25 Mar 90 02:14:51 GMT
Organization: KA2QHD Public Access Un*x,Ocean NJ
Lines: 122
Xref: gmdzi rec.ham-radio:10427 sci.space:10889
Posted: Sun Mar 25 03:14:51 1990

Bulletin ID: SPC0326

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SpaceNews
=========

MONDAY MARCH 26, 1990

SpaceNews originates at KD2BD in Wall Township, NJ, and is distributed weekly around the world on USENET and Amateur Packet Radio. It is available for UNLIMITED worldwide distribution.

* MUSES-A NEWS *

Hiten (MUSES-A) made the first lunar swingby at 05h04m09s JST (UT+9h) on 19th at the distance 14,073km, 27 minutes earlier Hiten separated a lunar orbiter and its rocket put it in lunar orbit. The orbiter was named HAGOROMO, which means "angel's robe" in Japanese.

[Source: The Yomiuri Shimbun, March 19 evening edition]

* DOVE NEWS *

N4HY reports that the crash of the DOVE computer which had caused the key-down condition has been brought under control. The DOVE transmitter was blocking the uplink command channel and the software crash was inhibiting the on/off cycling of the transmitter.

The solid key-down condition caused DOVE's batteries to discharge far enough that Dave, W5UN was able to send a special "hard reboot" reset command using his moonbounce (EME) antenna array in Texas.

Congratulations and thanks to W5UN and N4HY for their heroic rescue efforts.

[From: Tom, W3IWI via Amateur Packet Radio]

* AMATEUR RADIO ACTIVITY FROM MIR *

Soviet cosmonauts Anatoly Soloviev (U6MIR) and Alexander Balandin (U7MIR) began Amateur Radio operations from the MIR space station on March 9th, according to Leo, RA3AT.

Most activity is expected to occur on or near 145.500 MHz FM, with operations occuring after 18:00 UTC on weekdays and anytime on weekends.

QSL cards for this operation are available via UW3AX at P.O. Box 679, Moscow 107207, USSR (S.A.S.E. please).

* SHUTTLE NEWS *

KSC SHUTTLE STATUS REPORT - THURSDAY, MARCH 22, 1990 - 11:30 a.m.

STS-31 - DISCOVERY (OV-103) - LAUNCH PAD 39-B

This morning, workers successfully completed loading hypergolic propellants into Discovery's onboard storage tanks and the pad has been opened for normal work. Monomethylhydrazine and nitrogen tetroxide propellants were loaded into the orbital maneuvering system and reaction control system storage tanks. Hydrazine was loaded into the orbiter's auxiliary power unit storage tanks and the boosters' hydraulic power unit storage tanks.

Today, engine technicians will inspect a teflon coated seal at the joint between the engine 2 low pressure fuel turbo pump and the orbiter main propulsion system. A leak was detected at this joint during the helium signature test. This is a 12-inch diameter line at the engine to orbiter interface.

STS-35 - COLUMBIA (OV-102) - OPF BAY 1

Electrical connections between Astro and the orbiter are continuing and testing will follow. Connections of the Broad Band X-ray Telescope are underway today. An engine flight readiness test was conducted yesterday. During this routine test, engine start is simulated, valves are cycled and sensors and transducers are calibrated.

This week, checks of the water spray boilers, Ku-band antenna testing and leak checks of the elevon cove seal area are underway. Thermal protection system operations are continuing around the S-band antenna and landing gear doors.

[From: Peter E. Yee @ NASA Ames Research Center, Moffett Field, CA]

* HAM RADIO INFO *

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Interested in learning more about the Amateur Radio Service? For information on licensing requirements and operating privileges, write:

The American Radio Relay League
225 Main Street
Newington, Connecticut 06111
U.S.A.

* FEEDBACK WELCOMED *

=====================

Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

```
UUCP   : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
PACKET : KD2BD @ NN2Z.NJ.USA.NA

MAIL   : John A. Magliacane
         Department of Electronics Technology
         Brookdale Community College
         Newman Springs Road
         Lincroft, New Jersey 07738
         U.S.A.
```

<eof>

--

AMPR : KD2BD @ NN2Z (Neptune, NJ)
UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
"For every problem, there is one solution which is simple,
neat and wrong." -- H.L. Mencken

From -8496598157621602830
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-24 20:45:37 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!usc!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Message-ID: <30500464@ux1.cso.uiuc.edu>
Date: 24 Mar 90 10:40:15 GMT
Lines: 116
Nf-ID: #R:<9003051529.AA05504@pelham.med.u:-39:ux1.cso.uiuc.edu:30500464:000:5621
Nf-From: ux1.cso.uiuc.edu!phil   Mar 24 00:07:00 1990
Posted: Sat Mar 24 11:40:15 1990

> Warning: more flames about CW, and the folks who REFUSE to learn it.

Like ME... I PASSED the test and REFUSE to LEARN code (for the time being).

> In article <30500462@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
> >If we agreed that the CW test was useful   . . .
> >"why do I have to take this stupid test".   . . .
> >"how am I going to pass this test". Note that they do NOT think
> >"how am I going to learn CW".   . . .
> >Since it is the case that LEARNING CW serves no useful purpose to those who
> >have no interest in operating CW   . . .
> >
> >--Phil Howard, KA9WGN--
> ><phil@ux1.cso.uiuc.edu>

BTW, the context of these quotes are a generalization of the people I
know who have expressed interest in ham radio and a disinterest in code.
It does NOT include those who express an interest in code.

> You sound just like many freshman engineering students complaining about
> having to learn calculus, or take freshman English. You don't yet have
> the broad educational background or the experience to understand what is
> good for you, and so you complain about things you don't understand and
> don't like. Fortunately, most freshman engineering students figure out
> by their senior year that calculus is useful, and hopefully when they
> get out on the job in the real world and have to write [gasp!], they
> figure out that even freshman english might have been useful.

I happen to know that calculus and freshman English are not only useful but very critical. In fact, I would push for sophomore and junior level technical writing classes, and mandatory 2 years of linear algebra for engineering majors. Far too many engineering graduates cannot write a technical paper or even a decent resume. Far too many engineering graduates don't know applicable fields of math beyond calculus and differential equations. But I guess you probably agree with this anyway.

However, you have made one SERIOUS ERROR: you assume that code is good for everyone who is a ham. This is ABSOLUTELY FALSE!

Knowing code is good for anyone who wants to operate code.

> Note: this is not a personal flame; if you also hold these attitudes
> about CW please consider yourself flamed also.

And of course my flames are not personal either, but are to be spread to all those people who think everyone needs to learn an obsolete communcations mode they are not interested in (but I'm not against people learning it for whatever reasons they choose to).

I guess this whole issue is boiling down to:
    PRO CODE vs PRO CHOICE

PRO CODE people want to force their opinions and belief systems on others. PRO CHOICE people want to let individuals choose for themselves whether or not they will operate CW modes, and those who want to can learn it.

> I do not want to start a war. Unfortunately, I'm sure I just
> did. Please, only reply if you have rational logical comments (pro or
> con). Don't flame me or this newsgroup with no-content messages.

There is plenty of content here. Basically it is telling you about areas you misunderstand, like the fact that NO ANALOGY exists between something we agree about (freshman English and calculus are good for engineering students) and something that we do not agree about (knowing Morse Code is good for hams who don't want to use it).

How about reducing the subject to just the part that we disagree about: whether or not Morse Code is good for people who don't want to use it.

> >What is the purpose of a CW test? To cause people to be capable of using
> >CW? If so, it is not working because I, and a very large number of hams
> >are presently incapable of learning CW
>
> The CW requirement/test DID serve the purpose of causing many hams
> (including myself) to really learn the code and thus have a useful
> skill. If only you would drop your defeatist attitude, you too could
> learn CW in short order. I put forth that the only reason people

I know I can learn CW, and actually I plan to after, and ONLY AFTER, the no code issue is overwith. I will remain a Tech until then.

> "can't" learn the code is self-imposed impediments. What this country

> needs is a few more ambitious people determined to conquer the
> (perceived) obstacles and be _WINNERS_!

Very few people can't learn code. But we are not talking about these people. The vast majority of people can learn code and I will say that just as you would. We don't disagree with that, so your arguments are wasting time. Let's argue about what we disagree on.

You got ONE thing right back at the beginning of your posting where you referred to people who "REFUSE" to learn code, as opposed to people who "CAN'T" learn code.

I passed the 5 WPM exam by memorizing the code table well enough to mentally look it up fast enough to get enough of the test transmission to be able to squeak through the test. My copy was only 30% but I managed to get enough of the right stuff to get 9 out of 10 questions right.

Now, did I "learn" code? Definitely not.

Do I plan to "learn" code sometime in the future? Well, I must admit that I plan to, but only because I happen to think that CW might really be a fun mode to operate. I was bored stiff with it at 5 WPM but I think it might be more fun at 30 WPM. Someday I will give that a try.

But not everyone shares my feelings nor yours.

But for all those people who do not share my curiosity and interest in code, I would not wish upon them the waste of time they have to go through to EITHER learn something they won't use, or memorize something they won't be able to use that way.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

```
From 5791203414531566001
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8eba7af99d09cc9f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-24 21:59:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!helps!bongo!julian
From: julian@bongo.UUCP (Julian Macassey)
Newsgroups: rec.ham-radio
Subject: Re: Wanted! STORNO Repeater Manuals
Summary: Try GE
Message-ID: <120@bongo.UUCP>
Date: 25 Mar 90 05:59:58 GMT
References: <5476.260aa4fb@uwovax.uwo.ca>
Organization: The Hole in the Wall  Hollywood California U.S.A.
Lines: 31
Posted: Sun Mar 25 06:59:58 1990
```

In article <5476.260aa4fb@uwovax.uwo.ca>, 31002_1650@uwovax.uwo.ca writes:
> I have a STORNO model CQF662 10 watt UHF repeater that I am putting into
> service on 70 cm. I am in DIRE need of a documentation set for this
> box and will pay any and all costs incurred by somebody who has a manual
> and will photocopy it and snailmail it to me.
>

Sometime in the early seventies, STORNO was bought by General Electric.
So you may find that some GE repair shops may have STORNO Docs. GE sold
STORNO a few years ago when they decided they could make more money by
shuffling money (banking) than by making stuff.

STORNO is a Danish company. They made some excellent gear, including
the walkie-talkies used by the London Bobbies. STORNO used to be a
subsidiary of STOR NOrdisk Telegraf (Great Northern Telegraph GNT). Yup
the people that made those Morse code punched tape machines.

If you have trouble getting STORNO docs from a GE shop, you could
write to a Danish Ham that used to work for STORNO and may still have
contacts there:

Willy Sachse OZ5WF
Hyttehusvej 7
2300 Copenhagen S
Denmark

Send him 73s from OZ9IY

--
Julian Macassey, n6are julian@bongo.info.com ucla-an!denwa!bongo!julian
N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495

From 5863710067170500991
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5943c641c136d40c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-24 22:00:06 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!att!hriso!attdso!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: A51JS
Summary: $50,000 ??
Message-ID: <577@ssc.UUCP>
Date: 24 Mar 90 08:16:40 GMT
References: <271@gollum.twg.com>
Organization: very little
Lines: 25
Posted: Sat Mar 24 09:16:40 1990

In his posting about the current DXpedition to Bhutan, AA6KX claims that the Bhutan government is "extorting" $50,000.00 from VK9NS to get a license to operate there, and that his allegation is supported by the current issue of The DX Bulletin.

Both the current issue of The DX Bulletin and QRZ DX say that he was told to "bring $5,000" to enter the country, NOT "pay $50,000 for a license."

Please get your facts straight before broadcasting something like this to the world. Not only does the DX Bulletin plainly say 5,000, not 50,000, but neither publication says anything about "extortion" or this even being a fee to get a ham license!

Tad Cook
Seattle, WA
Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From 4463247374682519986
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f35daeb8b9c04cf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-24 23:00:39 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!decwrl!shelby!neon!bodega.stanford.edu!paulf
From: paulf@bodega.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: Wild accusations against MFJ?
Message-ID: <1990Mar24.191638.21024@Neon.Stanford.EDU>
Date: 24 Mar 90 19:16:38 GMT
References: <118@gizzmo.UUCP> <12815@csli.Stanford.EDU>
Sender: news@Neon.Stanford.EDU (USENET News System)
Reply-To: paulf@bodega.stanford.edu (Paul Flaherty)
Organization: The Three Packeteers
Lines: 22
Posted: Sat Mar 24 20:16:38 1990

In article <12815@csli.Stanford.EDU> kawai@csli.Stanford.EDU (goh kawai - n6uok) writes:
>Some people are quite satisfied with what they got. For example, I
>have heard conflicting reports on the MFJ-1278 multimode TNC. A
>friend likes it, another person hates it - I'll never buy it.

Being the friend who likes it, I'll stand by the claim. The 1278 does generate some RFI -- unless you ground it, as per the directions. Aside from that, it's heads above the rest...as long as you have the current ROM and board revision (according to QST, the previous rev was pretty bad).

I wasn't too impressed by the software for the mac, especially since the
version for the PC is so much better. But, having other facilites, this
doesn't bother me. What would bother me would be to have hf packet
performance that's as bad as the other MMDCs, or not having grayscale on
my FAX.

Most digital devices require at least some modification for the shack
environment, even those destined for the ham market.

--
-=Paul Flaherty, N9FZX/VK2WYX | "Unix could use a more user-friendly front
->paulf@shasta.Stanford.EDU | end. Does anyone have a card punch handy?"

From -2449971075623903665
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-24 23:30:59 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!decwrl!shelby!neon!
bodega.stanford.edu!paulf
From: paulf@bodega.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: Re: Increasing CW speed
Message-ID: <1990Mar24.201432.22307@Neon.Stanford.EDU>
Date: 24 Mar 90 20:14:32 GMT
References: <9003231820.AA29999@ti.com>
Sender: news@Neon.Stanford.EDU (USENET News System)
Reply-To: paulf@bodega.stanford.edu.UUCP (Paul Flaherty)
Organization: The Three Packeteers
Lines: 16
Posted: Sat Mar 24 21:14:32 1990

In article <9003231820.AA29999@ti.com> dube@cpdvax.csc.ti.com (DUBE TODD) writes:
> I submit that MOST of the arguments that have been presented in
>opposition to the CW requirement could JUST AS EASILY be applied to any other
>entrance requirement, including examinations. Just plug in your favorite
>hang-up in place of "CW" in all the preceding arguments and see how it comes
>out.

Obviously untrue. While you can operate an hf station without knowledge of
CW, you can't do so reliably (if at all) without some knowledege of technical
detail or regulations.

NEXT!

--
-=Paul Flaherty, N9FZX/VK2WYX | "Unix could use a more user-friendly front
->paulf@shasta.Stanford.EDU | end. Does anyone have a card punch handy?"

From -1862321853909464621

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-25 00:00:07 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!bbn!bbn.com!chartnes
From: chartnes@bbn.com (Clark Hartness)
Newsgroups: rec.ham-radio
Subject: Re: Re: Increasing CW speed
Message-ID: <54050@bbn.COM>
Date: 24 Mar 90 23:23:35 GMT
References: <9003231820.AA29999@ti.com> <1990Mar24.201432.22307@Neon.Stanford.EDU>
Sender: news@bbn.COM
Reply-To: chartnes@vax.bbn.com (Clark Hartness)
Organization: Bolt Beranek and Newman Inc., Cambridge MA
Lines: 42
Posted: Sun Mar 25 00:23:35 1990

Hello All,

I am only a reader of this newsgroup for the most part. I have sent personal responses to some of the articles I have read, but the Increasing CW speed, no CW, next best thing to CB radio with technically minded people articles are quite frankly 90% of what I see now.

I dont believe that the net was intended for the purpose of training debate teams but it is quickly heading that way.

In the future I believe that there will be a no code class if for no other reason than the fact that human nature makes us use our minds to figure a short cut method to attain our desired results. Someone will get it pushed through one way or the other.

I learned the code. I can still use it. I seldom use it. I dont think it is a barrier that cannot be overcome by even the dumbest of us idiots (Paul Flaherty's name for whom ever lights his flame). I do believe that some dont want to be bothered by something so trivial as code and these are the ones who will push it into a no code class sooner or later.

I think we should start another net. We can call it:

REC.HAM-RADIO.DEBATE

This way those of us who wish to read these debate team training articles can and the net can be freed up for technical questions and not opinions and critical analysis of every word in an opinion.

Of course I am expressing my opinion which is not worth a hill of straight keys to the next guy, but as a future practice I'll just not read this type of article as I am sure Paul will inform me that I done have to if I dont like them. I'll just save all of you out there the time of writing the response.

Thanks for the time. Hope everyone has a nice day in the Ham Radio World.

TGOB
CLARK HARTNESS
WD5GDA

****** IF THE PHONETICS FIT WEAR THEM******

From 5741216433991416980
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,24ecd6d12aafae8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-25 12:28:50 PST
Path: gmdzi!unido!mcsun!uunet!wshb!mikebat!michaelb
From: michaelb@mikebat.UUCP (Michael R. Batchelor)
Newsgroups: rec.ham-radio
Subject: Re: HF work, VE3JF, DSP, etc.
Summary: I find HF packet a dead issue.
Keywords: HF packet DSP
Message-ID: <316@mikebat.UUCP>
Date: 25 Mar 90 20:28:50 GMT
References: <648@idacrd.UUCP>
Organization: M. Batchelor's PC7300, Beaufort, SC
Lines: 19
Posted: Sun Mar 25 21:28:50 1990

> If you want to read a couple of sane articles about HF, I suggest you
> get a copy of the March 1990, QEX and his earlier article in QEX in
> December 1987.

I'm afraid HF packet is a dead issue with me. I'm not qualified to operate that mode. It doesn't seem to matter that I am responsible for all of the digital communications where I work, or that I am duly licensed to operate our HF tranmitters. The problem is that, because I have never been one bit interested in code, I'm obviously too stupid to understand HF packet.

But if I were to wind up in a prison camp and forced to brush up on my code through the heating pipes, I'm sure I could win the Nobel prize for all of the advances I made in digital communications theory while locked up.

Michael Stick in the Mud.
--
Michael Batchelor / \113\101\067\132\116\132   uunet!wshb!mikebat!michaelb
      Comment overheard at WARC 1992 -
            "Let's just stick them on 200 millimeters and below."

From 2998741020351307125
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56f9fa2509549202
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-25 14:04:24 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!BLACKBIRD.AFIT.AF.MIL!

tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9003260803.AA13170@ucbvax.Berkeley.EDU>
Date: 25 Mar 90 22:04:24 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 318
Posted: Sun Mar 25 23:04:24 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #668 -
Alouette 1
1 00424U 62B-A  1 90 73.87470828  .00000270  00000-0  31436-3 0  2647
2 00424  80.4604  19.0423 0023388 152.0723 208.1680 13.67308546369801
ATS 3
1 03029U 67111  A 90 79.85882834 -.00000074  00000-0  99999-4 0  3075
2 03029  13.0940  21.9728 0012181 203.2249 156.7363  1.00272360 81918
Cosmos 398
1 04966U 71 16  A 90 68.18445684  .00065491  16810-4  39072-3 0  6449
2 04966  51.5392 126.6538 2355073 321.1865  24.0893 10.87965544580721
Starlette
1 07646U 75010  A 90 79.35466968  .00000024  00000-0  66758-4 0   182
2 07646  49.8262 149.0019 0205982 257.7547 100.0210 13.82133620763495
LAGEOS
1 08820U 76039  A 90 78.38176892  .00000003  00000-0  00000 0 0   309
2 08820 109.8591 324.3701 0044563 257.3691 102.2109  6.38664565 68208
GPS-0001
1 10684U 78020  A 90 77.68784765  .00000008  00000-0  99999-4 0  3485
2 10684  63.6815  92.3590 0116293 199.3719 160.2247  2.00557707 74038
GPS-0002
1 10893U 78 47  A 90 73.17078769 -.00000026  00000-0  00000 0 0  1036
2 10893  64.4256 333.3552 0162365  25.6294 335.2117  2.00548470 86764
SeaSat 1
1 10967U 78064  A 90 77.59813655  .00000541  00000-0  23124-3 0  2485
2 10967 108.0173 133.2511 0002243 266.8960  93.1955 14.35476162613459
GPS-0003
1 11054U 78093  A 90 75.96190378 -.00000025  00000-0  00000 0 0  1801
2 11054  63.9599 329.5957 0096202 113.5573 247.5098  2.00566525 83836
Nimbus 7
1 11080U 78098  A 90 79.64417161  .00000099  00000-0  11973-3 0  6367
2 11080  99.2002 346.5520 0008828 324.6704  35.3873 13.83406562575791
GPS-0004
1 11141U 78112  A 90 79.04881093  .00000008  00000-0  00000 0 0  2894
2 11141  63.6711  92.2136 0060239 316.5742  42.9995  2.00561499 82593
```

```
GPS-0005
1 11690U 80 11  A 90 77.19437481  .00000009  00000-0  00000 0 0  9197
2 11690  64.1558  94.3068 0112239 204.0429 155.4971  2.00556820 88418
GPS-0006
1 11783U 80 32  A 90 76.00975566 -.00000025  00000-0  00000 0 0   643
2 11783  63.7598 329.1720 0148599  60.3103 301.2195  2.00574004 72476
GOES 5
1 12472U          90 71.93348874 -.00000238           10000-3 0  8311
2 12472   3.2318  77.0356 0001692 278.7734  81.6533  1.00250216 31286
DE 1
1 12624U 81 70  A 90 66.62614517 -.00000052  00000-0 -35883-3 0  3391
2 12624  89.0791 148.8357 6221663 316.0034   8.6777  3.51025771258551
SME
1 12887U 81100  A 90 67.10447644  .00031549  00000-0  71309-3 0  5102
2 12887  97.6535 108.9256 0003028  45.4518 314.6890 15.43116668465641
Salyut 7
1 13138U 82 33  A 90 67.93426969  .00032192  00000-0  46036-3 0   914
2 13138  51.6058  88.8635 0001148  72.3081 287.8294 15.55923033449201
Cosmos 1383
1 13301U 82 66  A 90 65.32761367  .00000164  00000-0  18019-3 0  5398
2 13301  82.9317  16.1527 0029158  83.1090 277.3379 13.67804892383615
LandSat 4
1 13367U 82 72  A 90 67.04870421  .00000166  00000-0  41735-4 0  2515
2 13367  98.1784 131.5081 0004200  82.2369 277.9309 14.57130626406578
IRAS
1 13777U 83  4  A 90 65.56088371  .00000496  00000-0  36906-3 0  7228
2 13777  99.0311 263.9114 0011706 312.4395  47.5776 13.98752674 32595
Cosmos 1447
1 13916U 83 21  A 90 65.08284417  .00000145  00000-0  14336-3 0  6771
2 13916  82.9443  88.2916 0040004  67.4775 293.0610 13.74013778348513
TDRS 1
1 13969U 83 26  B 90 61.95914084 -.00000206  00000-0  00000 0 0  9339
2 13969   4.2136  66.7158 0009218 271.1980  88.9221  1.00264241 92019
GOES 6
1 14050U          90 71.12660558 0.00000118                    0   933
2 14050   1.9892  79.3267 0003494 227.7789 133.0144  1.00254400  9299
OSCAR 10
1 14129U          90 68.74264847 0.00000003                    0  4617
2 14129  25.9300 215.0017 5989800 124.9115 306.3941  2.05880919 22682
GPS-0008
1 14189U          90 71.11948686 0.00000007           10000-3 0  7148
2 14189  63.3143  90.9379 0143134 217.3195 141.7316  2.00559363 48813
LandSat 5
1 14780U 84 21  A 90 67.00665864 -.00000211  00000-0 -41974-4 0   673
2 14780  98.1324 128.6582 0003250 116.4163 243.7383 14.57147557319989
UoSat 2
1 14781U          90 71.66244532 0.00002146           40880-3 0  6273
2 14781  97.9616 127.3367 0012021 189.5757 170.5138 14.65001989321833
GPS-0009
1 15039U 84 59  A 90 78.15940157  .00000007  00000-0  00000 0 0  8478
2 15039  63.0641  89.8794 0020218 238.3121 121.5494  2.00562451 42230
Cosmos 1574
1 15055U 84 62  A 90 72.61850925  .00000145  00000-0  14424-3 0  8302
```

```
2 15055  82.9600 132.7675 0025876 228.3441 131.5500 13.73332685286952
GPS-0010
1 15271U 84 97  A 90 78.05360568 -.00000025  00000-0  00000 0 0  7648
2 15271  63.2622 328.7136 0105581 325.6815  33.6960  2.00573533 39343
Cosmos 1602
1 15331U 84105  A 90 73.08638360  .00002391  00000-0  33125-3 0  1853
2 15331  82.5341  89.0178 0021191 285.6176  74.2684 14.77473821294044
NOAA 9
1 15427U 84123  A 90 84.46978693  .00000313  00000-0  19010-3 0  4918
2 15427  99.1653  82.3610 0014211 245.2102 114.7360 14.12478703272166
Cosmos 1686
1 16095U 85 86  A 90 79.17187242  .00026690  00000-0  37367-3 0  5229
2 16095  51.6080  32.6237 0002203  78.9504 281.3110 15.56598670252058
GPS-0011
1 16129U 85 93  A 90 79.21517630  .00000008  00000-0  00000 0 0  4312
2 16129  63.8394  90.7774 0120800 150.5602 210.1666  2.00560173 32571
Mir
1 16609U 86 17  A 90 79.77702527  .00039873  00000-0  48418-3 0  4809
2 16609  51.6183  55.9340 0013680 299.4666  60.5353 15.60075972234298
SPOT 1
1 16613U 86 19  A 90 79.99700442  .00000812  00000-0  39943-3 0  8060
2 16613  98.7065 155.6898 0001928  95.8016 264.3374 14.20024376 51414
Cosmos 1766
1 16881U          90 79.48574059  .00002313  00000-0  32345-3 0  8898
2 16881  82.5264 142.2482 0020722 281.4591  78.4312 14.77096460196059
EGP
1 16908U 86 61  A 90 53.55039819 -.00000025  00000-0  95708-4 0  1704
2 16908  50.0105 248.4193 0010798 262.7166  97.2451 12.44384952160583
NOAA 10
1 16969U 86 73  A 90 84.49579323  .00000417  00000-0  19989-3 0  3511
2 16969  98.6088 114.2888 0013389 149.1379 211.0684 14.23501530182706
MOS-1
1 17527U 87 18  A 90 78.69512452  .00000332  00000-0  27200-3 0  4418
2 17527  99.1144 152.3724 0000813  81.7904 278.3365 13.94871161156789
GOES 7
1 17561U 87 22  A 90 78.80707674 -.00000044  00000-0  99999-4 0  4423
2 17561   0.0431 134.6329 0001233 283.7415 301.6279  1.00273045  4528
Kvant-1
1 17845U 87 30  A 90 79.13646512  .00023056  00000-0  28369-3 0   264
2 17845  51.6210  59.1671 0015034 302.3804  57.6998 15.60009465170248
DMSP B5D2-3
1 18123U 87 53  A 90 84.48573833  .00000399  00000-0  22976-3 0  5042
2 18123  98.8198 276.1995 0013831 263.4595  96.4263 14.13914123142577
RS-10/11
1 18129U 87 54  A 90 78.90969315  .00000006  00000-0 -14712-6 0   732
2 18129  82.9277  34.4778 0012369  14.2565 345.8919 13.72067507137205
Meteor 2-17
1 18820U 88  5  A 90 72.93418187  .00000128  00000-0  10573-3 0  2060
2 18820  82.5401  66.1794 0015120 231.6462 128.3338 13.84299522107008
DMSP B5D2-4
1 18822U 88  6  A 90 84.43471016  .00000449  00000-0  22287-3 0  4198
2 18822  98.6616 325.1549 0006346 145.9341 214.2980 14.21317476110929
AO-13
```

```
1 19216U 88 51  B 90 76.23511618 -.00000102  00000-0  99999-4 0   815
2 19216  57.0320 164.1337 6913866 223.1742  55.0039  2.09702208 13470
OKEAN 1
1 19274U 88 56  A 90 78.89743749  .00002814  00000-0  39940-3 0  6827
2 19274  82.5150 241.3963 0023362  56.6267 303.7385 14.76499575 91749
Meteor 3-2
1 19336U 88 64  A 90 78.76572039  .00000391  00000-0  99999-3 0  3907
2 19336  82.5206 340.6703 0020883 172.1104 188.0275 13.16882776 79182
NOAA 11
1 19531U 88 89  A 90 84.45522188  .00000498  00000-0  29544-3 0  2090
2 19531  98.9729  32.7085 0011655 155.4534 204.7086 14.11496625 77151
TDRS 2
1 19548U 88 91  B 90 74.99319464  .00000131  00000-0  99999-4 0   791
2 19548   0.0442 320.2121 0001671  29.5760  10.1478  1.00278011  4515
Cosmos 2001
1 19796U 89 11  A 90 78.97132257 -.00001112  00000-0  99999-4 0  4003
2 19796  63.0675 104.2939 7130572 319.8470   5.0822  2.00536364  8011
GPS BII-01
1 19802U 89 13  A 90 66.75585580  .00000016  00000-0  99999-4 0   723
2 19802  55.0710 201.4099 0059530 158.9588 201.2474  2.00561853  7716
Akebono
1 19822U 89 16  A 90 77.88402264  .00015853  00000-0  10680-2 0  4829
2 19822  75.1110 282.7203 4202822 279.1241  36.9635  7.06435063 27037
Meteor 2-18
1 19851U 89 18  A 90 72.66398642  .00000189  00000-0  16080-3 0  1574
2 19851  82.5266 304.5837 0012855 275.4726  84.4976 13.83946757 52355
TDRS 3
1 19883U 89 21  B 90 73.63596307 -.00000234  00000-0  99999-4 0   571
2 19883   0.0121 142.7301 0004020 162.5881  54.6626  1.00271148  2948
GPS BII-02
1 20061U 89 44  A 90 66.44052675 -.00000032  00000-0  00000 0 0   523
2 20061  54.7257  19.9569 0081882 172.9986 187.1067  2.00562492  5453
Nadezhda
1 20103U 89 50  A 90 72.23750835  .00000184  00000-0  18534-3 0   841
2 20103  82.9612 355.7260 0037272 308.3288  51.4517 13.73570119 34543
GPS BII-03
1 20185U 89 64  A 90 75.38457247  .00000016  00000-0  99999-4 0   485
2 20185  54.9343 201.9435 0026540 144.7984 215.3611  2.00562771  4209
Activnyi
1 20261U 89 80  A 90 79.77784481  .00002282  00000-0  71869-3 0  3472
2 20261  82.5924 284.6801 1259703 178.1621 182.4784 12.43353010 21600
Activnyi RB
1 20262U 89 80  C 90 78.01992352  .00000685  00000-0  21242-3 0  1469
2 20262  82.5909 285.8065 1261441 182.1882 177.3360 12.43012981 21382
Magion 2
1 20281U 89 80  B 90 79.76280952  .00003234  00000-0  10137-2 0  3611
2 20281  82.5915 284.6483 1259789 178.1342 182.4766 12.43523376 21606
GPS BII-04
1 20302U 89 85  A 90 75.11538053 -.00000029  00000-0  99999-4 0   435
2 20302  54.6905 320.8556 0038614 316.0546  43.6853  2.00569799  2888
Meteor 3-3
1 20305U 89 86  A 90 79.63613997  .00000119  00000-0  29722-3 0   650
2 20305  82.5466 280.4560 0014774 187.6112 172.4694 13.15854405 19309
```

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INTELSAT-6A
1 20315U 89 87  A 90 62.65793662 -.00000226  00000-0  99999-4 0   311
2 20315   0.0414   3.5726 0013733 254.5985 101.6503  1.00262829  1232
COBE
1 20322U 89 89  A 90 77.06110006  .00004409  00000-0  29373-2 0   590
2 20322  99.0212  88.2583 0006598 261.3835  98.6579 14.01519657 16723
Kvant-2
1 20335U 89 93  A 90 79.13648166  .00011623  00000-0  14669-3 0  1446
2 20335  51.6246  59.1722 0013120 300.5064  59.6549 15.59992808 17844
GPS BII-05
1 20361U 89 97  A 90 67.43005802  .00000016  00000-0  99999-4 0   187
2 20361  54.9514 144.3204 0064909  42.9382 317.6285  2.00576858  1707
SPOT 2
1 20436U 90  5  A 90 78.69355217  .00000305  00000-0  16071-3 0   684
2 20436  98.7144 154.4090 0000872 106.0857 254.0465 14.20024451  8048
UO-14
1 20437U 90  5  B 90 78.24586989  .00000498  00000-0  21448-3 0   348
2 20437  98.6996 154.6013 0012407  56.9858 303.2476 14.28516088  8028
UO-15
1 20438U 90  5  C 90 78.73616677  .00000398  00000-0  17448-3 0   299
2 20438  98.7037 155.0898 0011744  56.7469 303.4873 14.28515561  8096
PACSAT
1 20439U 90  5  D 90 76.14114470  .00000495  00000-0  21297-3 0   292
2 20439  98.7135 152.5428 0012657  62.8474 297.4010 14.28614577  7726
DO-17
1 20440U 90  5  E 90 80.06189741  .00000466  00000-0  20175-3 0   217
2 20440  98.7134 156.4601 0012820  52.6944 307.5414 14.28653096  8286
WO-18
1 20441U 90  5  F 90 79.07690227  .00000425  00000-0  18473-3 0   193
2 20441  98.7101 155.4814 0013305  55.9153 304.3282 14.28761841  8144
LO-19
1 20442U 90  5  G 90 72.70171735  .00000324  00000-0  14436-3 0   266
2 20442  98.7076 149.1226 0013514  74.3482 285.9076 14.28824127  7236
1990 006A
1 20444U          90 53.94247100 0.00000268           25109-3 0   354
2 20444  62.8140 110.5001 7374630 288.1794   9.4138  2.00664213   632
GPS BII-06
1 20452U 90  8  A 90 62.65854411 -.00000001  00000-0  99999-4 0   229
2 20452  54.6380 260.3053 0035259  57.4095 302.9406  2.00567623   728
Cosmos 2057
1 20457U          90 60.41396968 0.00615956  39350-4  26857-3 0   942
2 20457  62.8210 195.0039 0138628 118.4735 243.0622 16.03448844  5582
Cosmos 2058
1 20465U          90 52.05250576 0.00002655           40114-3 0   264
2 20465  82.5082 306.3255 0022850 201.4816 158.5500 14.73794878  3181
1990 010B
1 20466U          90 57.13960967 0.00001501           22415-3 0   174
2 20466  82.5064 301.6148 0022858 187.2711 172.8185 14.74059308  3927
PRC-26
1 20473U 90 11  A 90 71.25642786 -.00000262  00000-0  99999-4 0   366
2 20473   0.0912 295.7660 0000216  40.4684  23.7389  1.00268398   368
1990 011B
1 20474U 90 11  B 90 70.45931368  .00008564  00000-0  28596-2 0   191
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2 20474  30.5413 293.8454 7260425 199.4213 103.2645  2.30231055   760
1990 012A
1 20476U 90 12  A 90 71.70450279  .00268139  16276-4  75305-3 0  1026
2 20476  65.8265 286.7895 1285784 133.0880 238.5288 13.26692660  4478
1990 012B
1 20477U 90 12  B 90 71.81006393  .00478087  17407-4  86754-3 0  1182
2 20477  65.8383 285.2297 1215139 132.0593 239.0520 13.46529432  4526
MOS-1B
1 20478U 90 13  A 90 79.79613752  .00000099  00000-0  87170-4 0   962
2 20478  99.1961 150.3618 0000360  89.1228 271.0237 13.94854791  5818
1990 013B
1 20479U 90 13  B 90 66.25543317 -.00000045  00000-0 -73232-4 0   191
2 20479  99.0518 131.9584 0540229 279.3893  74.6534 12.83148607  3675
FO-20
1 20480U 90 13  C 90 75.06715037  .00000071  00000-0  20945-3 0   180
2 20480  99.0524 139.1142 0540508 259.3934  94.5869 12.83118672  4805
1990 013D
1 20491U 90 13  D 90 69.21220998 -.00000290  00000-0 -52182-3 0   160
2 20491  99.0584 135.2415 0470129 263.1331  91.6103 13.02720413  3518
Soyuz TM-9
1 20494U 90 14  A 90 79.13646312  .00029977  00000-0  36682-3 0   492
2 20494  51.6166  59.1584 0013976 296.6972  63.3793 15.60014077  5765
1990 015A
1 20496U          90 72.61405566 0.00006039           38701-3 0   341
2 20496  43.1160 127.2684 0012138 129.2385 230.9548 15.09120691  4079
1990 015B
1 20497U          90 72.51517909 0.00010921           33808-3 0   355
2 20497  43.1034 122.8931 0010853  90.0585 270.1507 15.33471906  4138
1990 015C
1 20498U 90 15  C 90 80.06250407  .00046598  00000-0  10887-2 0   437
2 20498  41.6386  74.5130 0034671  16.5092 343.7903 15.40758832  5318
Raduga 25
1 20499U 90 16  A 90 78.07668019  .00000000  00000-0  99999-4 0   384
2 20499   1.4113 273.7681 0004939 107.5571 251.7202  1.00264225   327
1990 016D
1 20502U 90 16  D 90 65.10279796  .00000045  00000-0  99999-4 0    85
2 20502   1.4651 273.4213 0037357  63.1907 295.9207  1.00010387   218
1990 017A
1 20508U          90 76.27550478 0.00000081           79884-4 0    95
2 20508  82.9541 127.6822 0043042 241.0282 118.6561 13.73188186  2394
1990 017B
1 20509U 90 17  B 90 79.68004784 -.00001463  00000-0 -15480-2 0   251
2 20509  82.9534 125.1439 0040455 208.8144 151.0786 13.74418024  2867
1990 018A
1 20510U          90 79.47908232  .00003828  00000-0  59497-3 0   289
2 20510  82.5292 179.3807 0019853 197.5705 162.4819 14.72734480  3018
1990 018B
1 20511U          90 73.42920542 0.00000754           11381-3 0   124
2 20511  82.5292 184.9370 0018623 221.2889 138.6910 14.72975480  2123
Progress M3
1 20513U 90 20  A 90 79.13649118  .00004288  00000-0  54972-4 0   297
2 20513  51.6255  59.1698 0012854 299.1088  61.1207 15.59992282  3004
INTELSAT-6
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1 20523U 90 21  A 90 79.74672716  .00055997  00000-0  65311-3 0   220
2 20523  28.3398 127.2442 0019073 107.6372 252.6483 15.59976225   983
1990 021B
1 20524U 90 21  B 90 79.74309048  .01171768 -34460-4  24553-3 0   249
2 20524  28.6024 125.5314 0105079 153.1897 207.4604 16.16234515  1002
1990 022A
1 20525U 90 22  A 90 79.75701731  .00017323  00000-0  28842-3 0   166
2 20525  65.0282  58.0383 0009691 268.2828  91.6731 15.52102051   950
--
Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology
```

```
From 897356567592880816
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f8ee366cb624ed5e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-25 16:41:53 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!TECNET1.JCTE.JCS.MIL!
mgb
From: mgb@TECNET1.JCTE.JCS.MIL
Newsgroups: rec.ham-radio
Subject: No/Pro CW
Message-ID: <9003260041.AA24302@tecnet1.jcte.jcs.mil>
Date: 26 Mar 90 00:41:53 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 39
Posted: Mon Mar 26 01:41:53 1990
```

I feel that I am not alone in expressing a general dissatisfaction in the way that the code and no code discussions are now headed. It seems that the way to win an issue now-a-days is to make the other person look as stupid as you can and to throw names back and forth at each other.

Even people that DARE to suggest that the discussion be toned down a little are "FLAMED". Various labels are generated on both sides and the issue has degraded into one of name calling. There has even been some innuendo that a PRO-CODE person is better off DEAD.

ISN'T THIS JUST A LITTLE BIT TOO MUCH?

It is my honest opinion (IMHO) that there are certain elements that are using this forum not to argue their points on the no/pro-code issue, but to show everyone how good they are at making other people look stupid. There is no effort in trying to understand the real meaning behind someone else's points, rather there is an effort to take advantage of any little slip or mistake in what a person says in public in order to baste him (or her) over the charcoal pit of public humiliation.

Keep one thing in mind. No one that I have ever known LIKES to be made to look stupid in public. I for one ALWAYS sympathize with the person that is getting the tar beat out of him by some slick tongued devil, and I

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submit that the people that are doing this are causing more harm to their
cause than they can possibly imagine.

So the thought then comes to mind.... Are they really using this type of
behavior to PROMOTE their cause, or are they just trying to feel smug and
self-content in the knowledge that they are the KING of FLAME-THROWING?

Notice that I have been careful in trying not to point a finger at any one
faction.  Keep this thought in mind when my little posting here comes under
attack from one side or the other.  The person that attacks what I have
written here is the one that is guilty of what I have been saying.

Let's watch and see.

Mark Bitterlich   WA3JPY           Is it better to fight fire with fire
mgb@tecnet1.jcte.jcs.mil           or to use a CO2 extinguisher?


From -2150986936282157311
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1f849aeeb4153bfb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-25 18:17:47 PST
Path: gmdzi!unido!mcsun!uunet!wshb!mikebat!michaelb
From: michaelb@mikebat.UUCP (Michael R. Batchelor)
Newsgroups: rec.ham-radio
Subject: Re: VE Schedule for NE?
Summary: A US Passport works
Message-ID: <314@mikebat.UUCP>
Date: 25 Mar 90 03:07:00 GMT
References: <9003220915.AA09887@ucbvax.Berkeley.EDU>
Organization: M. Batchelor's PC7300, Beaufort, SC
Lines: 28
Posted: Sun Mar 25 04:07:00 1990

In article <9003220915.AA09887@ucbvax.Berkeley.EDU>, wmartin@STL-06SIMA.ARMY.MIL
(Will Martin) writes:
> >Bring a photo copy of your present license if any, 2 forms of photo ID,
>                                                     ^^^^^^^^^^^^^^^^^^^
> This is off the original subject by far, but the above caught my eye.
> Does the average person these days *have* 2 photo IDs?

I usually use a driver's license and a US Passport when I need ID for something
I'm prepared for. But I would wager that *most* Americans don't have a Passport.
(They aren't very useful if you don't travel.)

> I'm guessing many non-drivers may not have *any* photo ID.

Every state I have lived in for the past 5 years or so has issued
state ID cards to non-drivers. They usually cost a couple of bucks.

> Does this requirement cause any problems? Anybody else out there have
> comments on the issue of photo-ID?
```

The VECs at my last test checked to see I had the conformation slip for my test time and my driver's license. That was all. The FCC checked my conformation slip and that I had my own pencils for my commercial test.
I could have had Nikoli Tesla take my test for me.

Michael
--
Michael Batchelor / \113\101\067\132\116\132   uunet!wshb!mikebat!michaelb
      Comment overheard at WARC 1992 -
            "Let's just stick them on 200 millimeters and below."

From 2789127352738086274
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,346e9a4893cd3933
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-25 18:31:58 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!apple!rutgers!news-server.csri.toronto.edu!torsqnt!tmsoft!masnet!canremote!dean.milner
From: dean.milner@canremote.uucp (DEAN MILNER)
Newsgroups: rec.ham-radio
Subject: Re: last saturday! Wow!
Message-ID: <90032502290110@masnet.uucp>
Date: 25 Mar 90 04:41:00 GMT
Organization: Canada Remote Systems Limited, Mississauga, ON, Canada
Lines: 40
Posted: Sun Mar 25 05:41:00 1990

TO: rusty@cadnetix.COM (Rusty Carruth)

C6Anyway, I logged 2 German stations, and one Lithuanian on 10 meters
C6last saturday! My first European station!!!!

Congratulations!

C6(All this with about 100 watts into a 5/8 wave groundplane mounted
C6about 30 feet off the ground! ON SSB!)

I spent my first year on the air with a TenTec Argonaut and a ground mounted vertical. While I missed a lot, you don't need power all the time.

C6(Editors note: please excuse my excitement, but I never thought I'd
C6ever work "real dx" until I upgraded and had 'real power', or
C6switched to CW, or a 'real antenna', or .....)

You'de be suprised what moderate equipment can do. How about Easter Island on 2 watts and a dipole? Or Minneapolis on 100 milliwats and a 1/4 wave whip?

C6Which reminds me - I had an email message a while back which said that
C6I should not work HF SSB because it would ruin my upgrading. Not so!

C6Making contacts on HF only makes me fear the time when 10m becomes a
C6local-only band... No way do I want to be a Tech when the sunspots
C6change! This is too much fun!

Well, if you do it exclusively your code speed suffers from lack of practice but don't give it up. Sideband techniques take some practice too.

Enjoy!

73, Dean VE1CBF
----
dean.milner@canremote.uucp
---
~ EZ-Reader 1.21 ~ p Canadian Amateur Radio Station   VE1CBF p
~ QNet 2.04: :NANet: MUI Sydney, N.S. Cape Breton Regional (902) 564-5022

From 3325503573424821852
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d50a74405fa8bde1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-25 18:31:59 PST
Path: gmdzi!unido!mcsun!uunet!samsung!brutus.cs.uiuc.edu!apple!rutgers!news-server.csri.toronto.edu!torsqnt!tmsoft!masnet!canremote!dean.milner
From: dean.milner@canremote.uucp (DEAN MILNER)
Newsgroups: rec.ham-radio
Subject: Re: Ham Radio article in Worc
Message-ID: <90032502290082@masnet.uucp>
Date: 25 Mar 90 04:41:00 GMT
Organization: Canada Remote Systems Limited, Mississauga, ON, Canada
Lines: 15
Posted: Sun Mar 25 05:41:00 1990

TO: dls@genrad.com (Diana L. Syriac)
Subj: Ham Radio in Worcester

%(PS, for those who don't know, Worcester is in Massachusetts)

Hi Diane, would you know K1TDN, Frank from West Boyleston, just outside Worcester?

73, Dean VE1CBF

dean.milner@canremote.uucp

---
~ EZ-Reader 1.21 ~ A fail safe circuit will destroy others......
~ QNet 2.04: :NANet: MUI Sydney, N.S. Cape Breton Regional (902) 564-5022

From -2170724430676671125
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-25 18:32:52 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!apple!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Message-ID: <30500465@ux1.cso.uiuc.edu>
Date: 25 Mar 90 04:12:00 GMT
Lines: 48
Nf-ID: #R:<9003051529.AA05504@pelham.med.u:-39:ux1.cso.uiuc.edu:30500465:000:2525
Nf-From: ux1.cso.uiuc.edu!phil   Mar 24 22:12:00 1990
Posted: Sun Mar 25 05:12:00 1990

> Phil Howard's reply to a proposed method for learning CW included the statement: "...I, and a very large number of hams are presently incapable of learning CW...."
>
> What on earth is this?? I see a KA9WGN on Phil's signature, so he has either learned CW (thereby completely disproving his point), or he somehow obtained his call without passing the code test. NO! There are no hams who have obtained their tickets under existing rules who are INCAPABLE of learning the code.

I see you did not read AND ABSORB the posting I replied to. I did NOT LEARN Morse Code, I memorized it enough to pass the exam. This kind of practice is what Ken was complaining about. I was only trying to show that it is in far more common practice than he realizes.

The incapability is based on the fact that the test is a 5 WPM test which does lend itself to LEARNING Morse Code, but only to MEMORIZING it. To really KNOW Morse Code, you will be able to copy in your head at speeds well above 20 WPM. The incapability is not IN ME, but rather IN THE SYSTEM. Sorry I did not make that clear.

You next commented that inability to learn should not be related to motivation. Since you missed the point in comparing the two postings, I won't count that useless argument against you.

> But onward to another point: Let's say that the CW requirement had been dropped in 1929. I submit that there would have been in the intervening years a number of attempts to reduce or eliminate the technical requirements for a license. I submit that MOST of the arguments that have been presented in opposition to the CW requirement could JUST AS EASILY be applied to any other entrance requirement, including examinations. Just plug in your favorite hang-up in place of "CW" in all the preceding arguments and see how it comes out.

If you submit that most of the arguments against a code test can be applied to the real requirements (which are NOT necessarily what are actually being tested today, BTW) then please post the specifics. I happen to believe there are none, and /dev/null is my basis of proof.

So, what if the CW test had been dropped in 1929? I suspect the military and the maritime services would probably have been LED by Amateur Radio into phasing out CW in favor of new technologies instead of the current case where THEY are leading US. CW would NOT have gone away, and I don't expect it to even if EVERY class of license becomes no code.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From -5225364407408286400
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-25 18:32:53 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!apple!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Message-ID: <30500466@ux1.cso.uiuc.edu>
Date: 25 Mar 90 04:27:00 GMT
Lines: 32
Nf-ID: #R:<9003051529.AA05504@pelham.med.u:-39:ux1.cso.uiuc.edu:30500466:000:1604
Nf-From: ux1.cso.uiuc.edu!phil   Mar 24 22:27:00 1990
Posted: Sun Mar 25 05:27:00 1990

> In Fall 1988, the Hudson Division of ARRL surveyed its members on
> several issues, among them, should the League take the FCC to court
> over 220-222 MHz, how many owned computers, what was their favorite
> band (mine is the Rolling Stones), and what is their favorite mode.

If ARRL only surveys its members, that tells you information ONLY about its membership. It certainly does NOT tell you much about the ham radio population as a whole. The ham population is a selected population in the first place, since it consist of the union of two sets: those who think the code test is wonderful, and those who, like me, said W.T.F. and went ahead and took the stupid test (many of whom passed it without learning anything useful). Further the ARRL membership, due to the alienation the ARRL has caused to some in the past, does not represent the ham population; and certainly one division does not.

One group of people who are left out altogether are those who could and would make significant and important contributions to amateur radio in all areas except increasing the number of DXCC-CW awards given out. They are not members of the league and are not even licensed due to their frustrations with those hams who would have them become interested in only a narrow range of the hobby.

> By the way, regarding favorite bands, 30% chose 2 meters, 24% chose
> 20 meters, 12% chose 80 meters, 11% chose 15 meters, 8% chose 40 meters,
> 5% chose 10 meters, and 3% each chose 220 and 450 MHz.

Gee, that's close to the proportion of LIDS on the bands.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From -1249915255319701586
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a765f479e2f5eb47
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-25 18:32:54 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!apple!brutus.cs.uiuc.edu!
ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Electromagnetic Fields
Message-ID: <30500467@ux1.cso.uiuc.edu>
Date: 25 Mar 90 04:34:00 GMT
References: <0@<19900320181206>
Lines: 26
Nf-ID: #R:<19900320181206:0:ux1.cso.uiuc.edu:30500467:000:1231
Nf-From: ux1.cso.uiuc.edu!phil   Mar 24 22:34:00 1990
Posted: Sun Mar 25 05:34:00 1990

> The net result: hams will continue to put up antennas which maximize the
> radiation they (and their neighbors) recieve because the local laws
> demand a LOWER limit on antenna height. Public safety? Not on your
> life - it just makes a good excuse. If communities were really interested
> in public safety they would have a MINIMUM height requirement!

Hmmm, now that's a GOOD IDEA!!!

Seriously, the field strength in your neighbors house follows the inverse square law for distance given a constant lobe-angle parameter, which is not constant as the antenna goes higher; it further reduces the field strength. Even hams want less of their power being dissipated in the various bizarre radio receivers their neighbors have by other names.

> I'd like to see a study done where they control for the kind of antennas
> the hams had to use. Now THAT would be interesting! I would not be
> surprised if the relationship was increasing health problems with
> decreasing antenna height.

A simple field strength study might do fine in many cases as well. I know if I lived next door to a ham, I'd at least want out antennas at differing levels to avoid overloading each other.

--Phil Howard, KA9WGN--

<phil@ux1.cso.uiuc.edu>

From 6159451004924068087
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ad6eb992739eae2d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-25 18:32:56 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!apple!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: CODE vs NO-CODE
Message-ID: <30500468@ux1.cso.uiuc.edu>
Date: 25 Mar 90 04:42:00 GMT
References: <a1ckg1w161w@w8grt.nstar.com>
Lines: 26
Nf-ID: #R:<a1ckg1w161w@w8grt.nstar.com>:-29:ux1.cso.uiuc.edu:30500468:000:1221
Nf-From: ux1.cso.uiuc.edu!phil   Mar 24 22:42:00 1990
Posted: Sun Mar 25 05:42:00 1990

> Let's drop the argument. Code can be useful. Code can be fun for those who
> like it. Big deal! That does not by itself make it necessary to require
> testing on code proficiency on VHF only licenses. Noone is going to change
> anyone else's mind on those points.

Which side are you addressing? (I think I know)

> But NPRM 90-55 is up for consideration and comment. It seems almost 100%
> certain to be approved. Let us therefore limit our arguing to the more
> constructive issues of how best to implement no-code. Pax?

Are you so certain? Without exception, every person I know who is in favor of a no code license is against the particular way that 90-55 proposes to do it. Fortunately the regulatory process does allow for changes to be introduced between the Notice of Proposed Rulemaking and the Final Notice of Rulemaking without having to start the process all over again. This is why comments rather than mere votes can be filed on the matter.

I have already come up with NINE alternatives to the 90-55 proposal, and plan to include them all in my comments. I also suspect that 90-55 will exceed even 87-14 in the total volume of comment filings.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From 6967973390928033012
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1f849aeeb4153bfb
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-03-25 18:46:07 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!rutgers!bellcore!ka9q.bellcore.com!karn
From: karn@ka9q.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Re: VE Schedule for NE?
Message-ID: <21293@bellcore.bellcore.com>
Date: 25 Mar 90 12:39:42 GMT
References: <9003220915.AA09887@ucbvax.Berkeley.EDU> <314@mikebat.UUCP>
Sender: news@bellcore.bellcore.com
Reply-To: karn@ka9q.bellcore.com (Phil Karn)
Organization: Secular Humanists for No-Code
Lines: 11
Posted: Sun Mar 25 13:39:42 1990

In article <314@mikebat.UUCP> michaelb@mikebat.UUCP (Michael R. Batchelor) writes:
>But I would wager that *most* Americans don't have a Passport.
>(They aren't very useful if you don't travel.)

I'd urge anyone with even the remotest chance of traveling out of the country to get a passport. Believe me, they're a *lot* easier to get when you're not in a hurry. They're not that expensive, they do come in handy as a very credible form of ID, and even when traveling to countries like Canada where they're not strictly required, they're nice to have.

Phil

From -7165050147243376796
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c1eea56074686d3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-25 18:58:48 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!ohstpy!ormsby
From: ormsby@ohstpy.mps.ohio-state.edu
Newsgroups: rec.ham-radio
Subject: Phone Frequencies
Message-ID: <8143.260d3f19@ohstpy.mps.ohio-state.edu>
Date: 26 Mar 90 02:58:48 GMT
Lines: 7
Posted: Mon Mar 26 03:58:48 1990

Can anyone tell me what are some characteristic frequencies that the following operate on:
1.)Cellular phones
2.)Cordless phones
I have monitored High Seas Ship/Shore, but have nevered monitored other phone calls below 30 Mhz.

From -1246978006171947062

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ad6eb992739eae2d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-25 18:59:04 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!rpi!brutus.cs.uiuc.edu!lll-winken!sol.ctr.columbia.edu!cica!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jgrubs
From: jgrubs@w8grt.nstar.com (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: CODE vs NO-CODE
Message-ID: <65Dmg1w161w@w8grt.nstar.com>
Date: 26 Mar 90 02:59:04 GMT
References: <30500468@ux1.cso.uiuc.edu>
Organization: QRV de W8GRT
Lines: 33
Posted: Mon Mar 26 03:59:04 1990

phil@ux1.cso.uiuc.edu writes:

>
> > Let's drop the argument. Code can be useful. Code can be fun for those who
> > like it. Big deal! That does not by itself make it necessary to require
> > testing on code proficiency on VHF only licenses. Noone is going to change
> > anyone else's mind on those points.
>
> Which side are you addressing? (I think I know)

You're correct!

>
> > But NPRM 90-55 is up for consideration and comment. It seems almost 100%
> > certain to be approved. Let us therefore limit our arguing to the more
> > constructive issues of how best to implement no-code. Pax?
>
> Are you so certain? Without exception, every person I know who is in
> favor of a no code license is against the particular way that 90-55
> proposes to do it. Fortunately the regulatory process does allow for
> changes to be introduced between the Notice of Proposed Rulemaking and
> the Final Notice of Rulemaking without having to start the process all
> over again. This is why comments rather than mere votes can be filed
> on the matter.

That's a better way of saying what I meant.

> I have already come up with NINE alternatives to the 90-55 proposal, and
> plan to include them all in my comments. I also suspect that 90-55 will
> exceed even 87-14 in the total volume of comment filings.

I plan to propose adoption of the Canadian Plan as is except for
modification of the homebrewing restrictions.

From -1479991053831432693
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,2a32f85705d2f4fc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-25 19:14:19 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes, 3/23/90
Message-ID: <1468@n8emr.UUCP>
Date: 26 Mar 90 03:14:19 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 184
Posted: Mon Mar 26 04:14:19 1990

```
==============================================================
|         Relayed from packet radio via                |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB ALL @ RTTYDX $RTDX2303
RTTY DX Notes, 1of3, 3/23/90

RTTY DX Notes for Weekending 23rd March 1990.
Part 1 of 3.
BID: $RTDX2303

It seems that this week will be the week for DXpeditions. They will be appearing from some very exotic places, so keep the fingers sharpened up and the screen alive at all times. Regarding the remarks last week about the JT0DX cards, it seems that some German stations have received theirs this week. While there is life there is hope. ZS8MI cards of course are another matter. They will be issued when the operator returns home to ZS6PT.

Our thanks this week go to I5FLN, JA1BLV, JG1NBD, KT7H, OD5NG, TG9VT, VE3JPC, VK2EG, W2JGR, W5KSI, and the Tri-State DX Association VHF packet cluster. Thank you all for the good DX reported.

Bandpass:

Friday 16:

JY9SR	14085	at	0203Z	
UZ9CWA	14087	at	0730Z	
OK1KKR/EA8	14074	at	0740Z	FEC
5N3HL	21088	at	1505Z	
UC2AIG	21089	at	1625Z	
HS1BV	14087	at	1915Z	
9X5/G0LLZ	14085	at	1940Z	QSL
C31LHK	14079	at	1625Z	

```
Saturday 17:
3X1SG       14087  at  0003Z
ZC4NC       14081  at  0400Z
ES7FU        7036  at  0415Z
EA8RA       14086  at  0506Z
UI8FM       14083  at  0525Z
RO4OR       14094  at  0529Z
UY5CJ       14099  at  0600Z
9Y4BU       14095  at  0655Z
TJ1MW       14082  at  0721Z
TR8JLD      21086  at  0846Z
TU1UI       28082  at  1102Z
HV3SJ       21082  at  1757Z
EA6LX       28078  at  1850Z
ZB2/HB9DCQ  21088  at  2025Z  QSL
JY9SR       14093  at  2125Z
HI8BG       14086  at  2127Z

Continued in part 2.
/EX
SB ALL @ RTTYDX $RTDX2403
RTTY DX Notes, 2of3, 3/23/90

RTTY DX Notes for Weekending 23rd March 1990.
Part 2 of 3.
BID: $RTDX2403


Sunday 18:
TA3B        14083  at  0045Z
CU2CB       14095  at  0345Z
RL8PLY      14097  at  0348Z
RO5QO       14080  at  0545Z
VU2NBT      14089  at  0545Z  QSL
YC0UVO      28083  at  1030Z
9M2AX       28086  at  1042Z
AP2NK       14068  at  1159Z  QSL/ARQ
HC8VB       28094  at  1638Z
ZS4NC       14090  at  1945Z
9X5/G0LLZ   14087  at  2000Z
4U1ITU      14087  at  2200Z
ZB2/HB9DCQ  14090  at  2240Z

Monday 19:
4U1ITU      14095  at  0032Z
UA9YE       14090  at  0310Z
EA9JV       14086  at  0352Z
UO5OK       14088  at  0449Z
TR8JLD      21085  at  0724Z
9X5/G0LLZ   14085  at  1627Z
9H1JF       14090  at  2214Z

Tuesday 20:
```

```
UB4HQ       14087  at  0155Z
UO5OK       14091  at  0630Z
KH8/SM7PKK  14092  ay  0919Z
BY1SK       14067  at  0944Z  ARQ
SV5TS       21090  at  1600Z
4A1KC       14073  at  1625Z  ARQ
6Y5PK       21092  at  1845Z
TA3B        14088  at  2050Z

Wednesday 21:
PZ1BS       14083  at  0115Z
KH8/SM7PKK  14082  at  0415Z
AP2NK       21077  at  1238Z
FR5ZD       14075  at  1333Z  ARQ
RO5QO       14088  at  2136Z
JY9SR       14091  at  2152Z
FM5WD       14086  at  2309Z

Thursday 22:
T32PG       14086  at  0525Z
KH8/SM7PKK  14081  at  0605Z
A51JS       14087  at  1339Z  QSL
```

QSL Information:

9X4/G0LLZ will QSL via Box 81, Kagale, Rwanda.

VU2NBT QSL manager is WA4FVT.

ZB2/HB9DCQ will QSL via his home address.

KH8/SM7PKK will QSL to his home call.

Continued in part 3.
/EX
SB ALL @ RTTYDX $RTDX2503
RTTY DX Notes, 3of3, 3/23/90

RTTY DX Notes for Weekending 23rd March 1990.
Part 3 of 3.
BID: $RTDX2503

AP2NK is Nasir Hkhan, Box 1944, Islamabad, 4400, Pakistan.
A51JS (yes, it is Jim Smith) will QSL via VK9NS.

Notes Of Interest:

Well, as you can see from the DX notes, Jim Smith has arrived in Bhutan and is active. He will be there for about three weeks, then he hopes to go to S2 (Bangaladesh). More later.

There is a report that A61 (United Arab Emirates) should be on this week, for about 2/3 day operation.

Abu Ail A15 also should be active this week, according to DJ6JC who will also have DJ6SI and DK2WV to help fighting the DX and helping with the keys. This is possibly the last operation of this callsign, as the light house is being taken over by the Yemen authorities at the end of the month.

Mayanmar (Burma). It is reported that a Hungarian group will operate from there from 22nd March for 14 days.

March 29 also sees AA6HT and KC6XDP operating from V29 until 9th April.

April 11th to 15th will see Aves Island on the air, only digital modes.

April 11th to 23rd will see Jarvis Island activated. Send donnations to P.O. Box 2368, Stanford , CA 94309-2368.

Off again, on again, Spratley is on again sometime in April. They will operate from Vietnam before and after the Spratley operation, we hope.

Western Sahara. There will be no RTTY operation during this trip, sorry to say. Maybe later.

GL DE DX1 (VK2SG).

Relayed by Tad, KT7H @ N7HFZ.WA.USA.NA
/EX
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From 8531470676121874558
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-25 19:25:23 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!brutus.cs.uiuc.edu!lll-winken!
sol.ctr.columbia.edu!cica!iuvax!ndcvb!cartan!ndmath!nstar!w8grt!jgrubs
From: jgrubs@w8grt.nstar.com (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Message-ID: <1cFmg2w161w@w8grt.nstar.com>
Date: 26 Mar 90 03:25:23 GMT

References: <4326@cbnewsj.ATT.COM>
Organization: QRV de W8GRT
Lines: 27
Posted: Mon Mar 26 04:25:23 1990

k2ph@cbnewsj.ATT.COM (The QRPer) writes:

> In article <1990Mar25.051932.2770@Neon.Stanford.EDU>, paulf@bodega.stanford.e
> > In article <4324@cbnewsj.ATT.COM> k2ph@cbnewsj.ATT.COM (The QRPer) writes:
>
> > 3. The only true way to determine it is by surveying the bands. It would
> > be interesting also to look at the logs the FCC collected before the
> > requirement was eliminated, although as I recall, there was also a
> > requirement to operate CW a certain number of hours.
> >
>
> I'm not sure which requirement you're talking about here. If it was
> the one that you had to operate a certain number of hours before
> renewing your license, there was never a requirement that any part of
> the operation had to be CW. You simply had to operate. As long as
> I've been licensed (23 years), there was never a requirement that you
> had to operate any particular mode--with the sole exception of
> Novices, of course.

I've been licensed 39 years this coming Friday. The original renewal
requirement then was you had to certify that you had operated x hours
(6 comes to mind) AND that you could still copy CW at the speed
required for granting your grade of license. In theory the FCC could
ask you to prove it. I never heard of anyone who was actually asked to
do so. As you said, the minimum on the air time did not have to be CW,
but of course the ARRL always thought it SHOULD be and so recommended.
[:-)

From 3258549373393419555
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3fd67f66d1080620,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-25 19:41:58 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!stjhmc!
p12.f15.n114.z1.fidonet.org!Brian.Crawford
From: Brian.Crawford@p12.f15.n114.z1.fidonet.org (Brian Crawford)
Newsgroups: rec.ham-radio
Subject: Micrwave
Message-ID: <15266.260D93E3@stjhmc.fidonet.org>
Date: 26 Mar 90 03:41:58 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:114/15.12 - St Joes Hospital, Phoenix AZ
Lines: 11
Posted: Mon Mar 26 04:41:58 1990

Are there any hams on the usergroup currently ACTIVE on 3 & 5 GHz Amateur

Bands? Is there anyone ACTIVE on the amateur bands in between 10 & 47 GHz?

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!15.12!Brian.Crawford
Internet: Brian.Crawford@p12.f15.n114.z1.fidonet.org

From 4803504967523706840
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1f849aeeb4153bfb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-25 20:13:56 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: VE Schedule for NE?
Message-ID: <23695@usc.edu>
Date: 26 Mar 90 04:13:56 GMT
References: <9003220915.AA09887@ucbvax.Berkeley.EDU> <314@mikebat.UUCP>
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 12
Posted: Mon Mar 26 05:13:56 1990

In article <314@mikebat.UUCP> michaelb@mikebat.UUCP (Michael R. Batchelor) writes:
>   Comment overheard at WARC 1992 -
>   "Let's just stick them on 200 millimeters and below."

Actually, this wouldn't be too bad. 200 mm == 20 cm =~ 1.3 GHz. This
would include everything higher in frequency than our current 23 cm
band. Certainly, we would have a lot more bandwidth than we now have!
I personally wouldn't miss the loss of the DC (HF) bands, but I would
miss 432 MHz. Of course, I'm sure we could learn to use 1.3 GHz for
coordination.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From -2364608781745888382
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e0aa1c4f9f61046d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-25 20:14:12 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!usc!samsung!uunet!ogicse!decwrl!
shelby!neon!bodega.stanford.edu!paulf
From: paulf@bodega.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW Speed
Message-ID: <1990Mar25.211529.518@Neon.Stanford.EDU>

Date: 25 Mar 90 21:15:29 GMT
References: <9003250020.AA12799@tecnet1.jcte.jcs.mil>
Sender: news@Neon.Stanford.EDU (USENET News System)
Reply-To: paulf@bodega.stanford.edu (Paul Flaherty)
Organization: The Three Packeteers
Lines: 32
Posted: Sun Mar 25 22:15:29 1990

In article <9003250020.AA12799@tecnet1.jcte.jcs.mil> mgb@TECNET1.JCTE.JCS.MIL writes:
>Paul, your comments about not being able to reliably operate modern HF rigs
>"reliably (if at all) without some knowledge of technical detail or
>regulations" is a joke. Many... I say again ... MANY MANY ... gosh darn it
>*MANY* CB operators are doing just the very thing that you are talking
>about AS WE SPEAK! You plug in the radio, you read a little bit of the
>manual... you hook up a mike and you turn it on! I am talking about amateur
>gear here Paul... there is nothing complicated about operating it now-a-days
>other than possibly keeping it on the right frequency, more on that line in
>a minute!

Yes, but the CB operators aren't doing so reliably. Ask a CB op about MUF. At least, most hams know enough to listen to WWV to catch the propagation bulletins, and to understand what they mean. Most hams also know what band to be on at about what time to work into a particular part of the world. Most hams build their own antennas, and know enough to look at the SWR meter now and then to make sure that the antenna system is radiating. Most hams know something about RFI and TVI, and how to get rid of it (now there's something our appliance ops don't know!).

Personally, I'd like to see the written exam changed to make the regs part tougher. But as it is, most hams again know the rules and follow them.

There's a big difference between the so - called appliance operators, and a decent HF operator (and an experimenter). Hams generally qualify as decent HF ops, since they do know at least a little about how the system works. Clearly, most hams are not experimenters, but to belittle them because they don't build their own hardware is unfair.

--
-=Paul Flaherty, N9FZX/VK2WYX | "Unix could use a more user-friendly front
->paulf@shasta.Stanford.EDU | end. Does anyone have a card punch handy?"

From 2538312142759917789
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e0aa1c4f9f61046d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-25 20:14:16 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!bellcore!ka9q.bellcore.com!karn
From: karn@ka9q.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW Speed

Message-ID: <21296@bellcore.bellcore.com>
Date: 25 Mar 90 22:23:08 GMT
References: <9003250020.AA12799@tecnet1.jcte.jcs.mil>
Sender: news@bellcore.bellcore.com
Reply-To: karn@ka9q.bellcore.com (Phil Karn)
Organization: Secular Humanists for No-Code
Lines: 60
Posted: Sun Mar 25 23:23:08 1990

In article <9003231820.AA29999@ti.com> dube@cpdvax.csc.ti.com (DUBE TODD)

> I submit that MOST of the arguments that have been presented in opposition to the CW requirement could JUST AS EASILY be applied to any other entrance requirement, including examinations. Just plug in your favorite hang-up in place of "CW" in all the preceding arguments and see how it comes out.

In my opinion, the popularity of this argument shows that American amateur radio is in serious trouble.

The only way your argument has even a tiny bit of truth is if your view of amateur radio consists purely of appliance-style operation. But if the intent of a license exam is to see whether an applicant is capable of furthering the basis and purpose of the amateur service (as opposed to merely chewing the rag and collecting QSL cards), then there is a world of difference between the CW and technical requirements.

There are many ways you could further all of the reasons amateur radio exists without ever using (or knowing) the code. The same is definitely NOT true of the technical and regulatory knowledge one is required to have to become a ham.

In response to your likely rejoinder ("But wait! What about people who are interested only in public service?") I would say two things. First, the amount of public service traffic carried by CW is nil; the action is on the voice and packet nets. Second, although "public service" is a motherhood-and-apple-pie issue that moves many hams to heartfelt expressions of civic devotion (especially when battling tower ordinances or spectrum grabs), the cold, hard fact of the matter is that we're losing ground VERY rapidly to the competition, and I wouldn't bet the future of our service on it.

Our mainstay in the "public service" area for the past twenty years has been the FM repeater club whose members call in highway accidents and provide communications for the local March of Dimes Walkathon. In that twenty years, our technology has remained essentially unchanged. (Yes, we now have "pinball machine" computerized repeater controllers and synthesized HTs, but the basic "service model" of an FM repeater/autopatch is the same today as it was in 1970). But the outside world has changed: a lot of people without ham tickets are now just as capable as we are of calling the police (or each other) from their cars. In my area (NNJ/NYC) I can say that cell phone antennas outnumber every other kind of mobile two-way antenna by a *very* healthy margin. (One sign of this change: nobody asks me any more if my HT is a CB or if I'm a cop; they ask what kind of cell phone it is.)

I am not trying to attack amateur radio public service per se; it is certainly most worthwhile. It's entirely possible that our liberal allocations vis a vis the rest of the world are due in part to our tradition of public service, something unheard of in many other countries.

My point is that public service is by no means sufficient to justify our service considering our stagnant technology and the much wider variety of alternatives now available to the public. If amateur radio is to survive, it will have to place far more emphasis on the other reasons it exists. In particular, amateur radio as a unique training ground for young people interested in electronics and communications (and possibly a career in the field) must become its single most important role. But if this is to have a ghost of a chance of happening, amateur radio is going to have to make some MAJOR changes. The no-code license is but the first step.

Phil

From -657428751955066988
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-25 20:22:23 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Message-ID: <23696@usc.edu>
Date: 26 Mar 90 04:22:23 GMT
References: <9003051529.AA05504@pelham.med.unc.edu> <7880136@hpfcdc.HP.COM> <23629@usc.edu> <315@mikebat.UUCP>
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 22
Posted: Mon Mar 26 05:22:23 1990

In article <315@mikebat.UUCP> michaelb@mikebat.UUCP (Michael R. Batchelor) writes:
>At the risk of adding to the noise and being a stick in the mud myself,
>will someone PLEASE explain the *USEFULNESS* of the CW requirement to me.

Aurora can only be effectively utilized if CW is used.

During contests, I can do a CW contact in about 1/2 the time a voice contact takes, and I never have to ask for a repeat.

Once, about 10 years ago, I copied a distress call from someone who went down in an airplane, near Mansfield, OH. Since the signal was CW in a phone band, it stood out like a sore thumb and attracted my attention very quickly. I was able to help out these people by calling the local FAA and giving them the details. A signal in any other mode would not have attracted my attention (or anybody else's) like it did. (Note: it was a very weak signal, and I doubt that it would have been copyable if it wasn't CW.

The CW mode is very useful. I could go on, but I don't think you want
me to.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

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```
From -3477129472428518444
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3fd67f66d1080620
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-25 20:53:23 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: Micrwave
Message-ID: <23697@usc.edu>
Date: 26 Mar 90 04:53:23 GMT
References: <15266.260D93E3@stjhmc.fidonet.org>
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 12
Posted: Mon Mar 26 05:53:23 1990
```

In article <15266.260D93E3@stjhmc.fidonet.org>
Brian.Crawford@p12.f15.n114.z1.fidonet.org (Brian Crawford) writes:
>Are there any hams on the usergroup currently ACTIVE on 3 & 5 GHz Amateur
>Bands? Is there anyone ACTIVE on the amateur bands in between 10 & 47 GHz?

I used to be very active on these bands, but I am temporarily off the
air. I have quit my job and returned to school for a PhD. The lack of
funds and (even more importantly) time has, and the desire for a PhD,
has caused me to re-evaluate my priorities.

P.S. I wasn't on 47 GHz, but I was working on 76 GHz.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

---

```
From -6744825706136618704
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4cd7145ad63ba88c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-25 21:43:43 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!apple!rutgers!bellcore!
ka9q.bellcore.com!karn
From: karn@ka9q.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Backlogged AMSAT bulletins
Message-ID: <21297@bellcore.bellcore.com>
Date: 26 Mar 90 05:43:43 GMT
Sender: news@bellcore.bellcore.com
Reply-To: karn@ka9q.bellcore.com (Phil Karn)
```

Organization: Secular Humanists for No-Code
Lines: 1361
Posted: Mon Mar 26 06:43:43 1990

Posted: Sat, Feb 24, 1990 9:49 PM GMT Msg: MGJA-4177-5105
From: CDUNCAN
To: is
CC: W1AW
Subj: ANS$055

SB ALL @ AMSAT $ANS-055.01
WO-18 TAKES EARTH PICTURES

HR AMSAT NEWS SERVICE BULLETIN 055.01 FROM AMSAT HQ
SILVER SPRING, MD FEBRUARY 24, 1990
TO ALL RADIO AMATEURS BT

WEBERSAT-OSCAR-18 Successfully Takes Pictures Of Earth With Its CCD Camera

Chris Williams (WA3PSD) reports from the Weber State University (WSU) Ground Command Station in Ogden, UT that WO-18 took several excellent pictures from outer space this week with its onboard Charged Coupled Device (CCD) camera experiment. One picture of particular interest was of the Indian Ocean which, after color recovery by WEBERWARE 1.0 software, showed plenty of blue ocean and lots of clouds. Since it has been determined that the CCD camera is working well along with the rest of WO-18's satellite subsystems, officials at WSU's Center for Aerospace Studies (CAST) have declared WO-18 to be a major success. Two weeks ago, however, it was not definite weather the CCD was working properly since the first few pictures were either totally dark or completely white. After investigation, it was theorized that the camera lens was either pointing off to deep space or straight at the sun! Once the schedule for taking pictures was randomnized a bit, WO-18 finally was pointed at the earth when a picture was taken of the Himalayas. Since that first good picture on February 18th, WSU students have eagerly awaited each pass to see what new pictures of the earth will be seen. Chris reports that with each pass of WO-18, they are collecting about 100 Kbytes of data. They have now collected so much imaging data that they are running out of disk storage space.

Early in the week of March 13, WSU will be releasing its Beta test version of WEBERWARE 1.0 software for general use. This software will be available from the AMSAT Software Exchange as soon as it is released. Radio amateurs are encouraged to continue to collect imaging data from WO-18. Watch for more information about the release of WEBERWARE 1.0 in future AMSAT News Service (ANS) bulletins.

/EX
SB ALL @ AMSAT $ANS-055.02
MICROSAT UPDATE

HR AMSAT NEWS SERVICE BULLETIN 055.02 FROM AMSAT HQ
SILVER SPRING, MD FEBRUARY 24, 1990
TO ALL RADIO AMATEURS BT

Week five at the AMSAT Satellite Factory (tm) finds the Engineering Team focusing their attention on investigations of the spinning motion of each satellite and the accompanying effects on solar cell illumination and temperature. All four satellites have some degree of wobble motion in addition to spin and magnetic lock. Jim White (WD0E) and a number of other volunteers have put forth considerable effort aiding W3GEY, N4HY, and NK6K in evaluating the telemetry from each satellite to characterize its various motions.

AO-16 seems to have the most wobble of all the MICROSATs. It currently has a rotational period of 690 seconds (which is fairly slow) and a wobble of about 45 degrees. LO-19 takes about 270 second/rev and has a wobble of about 20 degrees. DO-17 is the most stable of all the satellites with its 20 second rotational period and a wobble of about 12 degrees. Data on WO-18 is still being analyzed. Because WO-18 has two additional trays (a total of 7 electronic platforms) its spin characteristics are more complex and will require further study.

Because of the shortage of real estate and modest power budgets, none of the MICROSATs has an active attitude control system on board e.g., magnetorquing coils such as those used on AO-10, UO-11, AO-13, and UO-14. They do, however, have a set of bar magnets placed along each of the four corners of the spacecraft which will provide some alignment with the earth's magnetic field and will ultimately damp the wobbling motion. In addition, the 70 cm antenna elements on each satellite are painted black on one side and are silver coated on the other side. The purpose of painting only one side is to generate a slight rotational torque due to solar radiation on the MICROSAT to keep the satellites rotating. This solar torque drives each satellite in constant rotation and thus prevents one part of the spacecraft from becoming too hot or too cold.

Once it has been determined that each satellite's battery charging and temperature parameters have stabilized, preliminary operating schedules will be drafted and the satellites released for general use. Look to ANS for late breaking news on the commissioning of the MICROSATs.

/EX
SB ALL @ AMSAT $ANS-055.03
AO-13/AO-10 TRANSPONDER SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 055.03 FROM AMSAT HQ
SILVER SPRING, MD FEBRUARY 24, 1990
TO ALL RADIO AMATEURS BT

New AO-13 Transponder Schedule thru 09-May-90

Mode-B : MA 000 to MA 165
Mode-JL : MA 165 to MA 195
Mode-S : MA 195 to MA 200
Mode-BS : MA 200 to MA 205
Mode-B : MA 205 to MA 256
Omnis   : MA 240 to MA 060

BLON = 207.3 and BLAT = 2.3 for 05-Mar-90

From 21-Feb-90 to 21-Mar-90 there will be an OFF period from MA 20 to MA 90 due to solar eclipsing. The length of eclipses vary from 12 to 89 minutes. Only the Mode-S transponder and the Mode-B beacon will be on from MA 195 to MA 200.

AO-10 is currently experiencing solar eclipses during major portions of it orbit and until further notice its transponder is not available for use.

/EX
SB ALL @ AMSAT $ANS-055.04
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 055.04 FROM AMSAT HQ
SILVER SPRING, MD FEBRUARY 24, 1990
TO ALL RADIO AMATEURS BT

New AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times. Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970. All nets in the current cycle occur on Saturday U.S. time.

Date UTC	Time UTC	Phs	Mode	NCS
03-Mar-90	18:00	224	B	WA4UPD (tentative)
11-Mar-90	04:30	120	B	N5BF
17-Mar-90	13:30	215	B	N5BF
25-Mar-90	04:00	200	B	??

/EX
SB ALL @ AMSAT $ANS-055.05
FO-20 PROGRESS REPORT

HR AMSAT NEWS SERVICE BULLETIN 055.05 FROM AMSAT HQ
SILVER SPRING, MD FEBRUARY 24, 1990
TO ALL RADIO AMATEURS BT

FO-20 Progress Report

The news this week from JARL is that FO-20's electrical power subsystem (EPS) is performing better than expected. With FO-20 having been on orbit for almost three weeks, the Mode JA and JD transponders have been operating simultaneously. In the case of Mode JD, there is the additional current drain caused by having 1 Mbyte of RAM memory also on line. JARL Ground Command Station operator JK1VXJ reports that with both transponders are operating and all the RAM memory banks are on line, the power used is only slightly more than the EPS system can deliver. He also says that when FO-20 is in a full-sun condition, the EPS system can deliver the power necessary without any problem. Another interesting aspect to FO-20 life so far is the number of Single Event Upsets (SEU) or bit flips caused by high energy particles bombarding FO-20's RAM memory banks. The Error Detection and Correction (EDAC) circuitry has now recorded at least 3 to 5 bit flips due to this phenomenon. The EDAC circuitry can correct only one bit flip at a time per byte of memory.

From a Mode JD operation standpoint there is a problem that JK1VXJ would like to bring to the attention of all Mode JD users: a problem called "ZOMBI's." This term refers to stations that connect to FO-20's packet radio Mode JD mailbox system but do not send a disconnect before they have Loss of Signal (LOS). By typing the letter U when connected, JK1VXJ says he sees that there are still stations connected to the packet transponder. After a while, when the number of connected stations reaches 16, JK1VXJ says that even the Ground Command Station cannot connect! When operating Mode JD, please be sure you disconnect before LOS.

JK1VXJ reports that as of last weekend (17 February) he had reached the following milestones:

1. The BBS program written for FO-12 is now modified so that the CPU utilizes the full 4 RAM banks or 1 Mbyte total of memory. The modified BBS program was loaded to FO-20 during the February 17th weekend.

2. The ground based FO-20 software loader was also modified to improve its efficiency.

3. The ground based FO-20 engineering model is now operational and is serving as a test bed for "soon to be" loaded on-board software.

4. The Whole World Diary (WOD) function is added to BBS program and the program is being evaluated on the engineering model mentioned above. This "BBS with WOD" program will be loaded to FO-20 shortly.

/EX

Posted: Sun, Mar 4, 1990 10:53 PM GMT   Msg: DGJA-4186-8900
From: DCOWDIN
To: IS
CC: W1AW
Subj: ANS-062 BULLETINS

SB ALL @ AMSAT $ANS-062.01
SA AMSAT BACAR ATV MISSION

HR AMSAT NEWS SERVICE BULLETIN 062.01 FROM AMSAT HQ
SILVER SPRING, MD MARCH 3, 1990
TO ALL RADIO AMATEURS BT

SA AMSAT Balloon Experiment To Carry Amateur TV Camera

SA AMSAT's BACAR (BAlloon Carrying Amateur Radio) mission 90/1 scheduled for March 10 will carry a black and white closed circuit television camera that will be mounted in the flight package so that it faces towards the earth. The camera will drive a low power amplitude modulated video transmitter operating on channel 35 in the UHF television band. The output from the transmitter will provide a usable ground signal for distances up to 500 Km away from the package.

The most exciting portions of the mission will be the take off and landing as the pictures will contain most detail at these times. When the package is flying the picture on the ground will show large objects such as dams, major roads, mountains, valleys and heavily populated areas. The intention is to use a lens that will give ground coverage of some 10 Kilometers across from the altitude that the package is expected to reach.

All that will be necessary to pick up signals is a normal black and white television set tuned to channel 35 and equipped with a suitable antenna. SA AMSAT recently petitioned the South African licensing Authority for permission to use TV channel 35 as it will encourage youth groups and young amateurs who do not have sophisticated equipment to participate.

[ANS thanks SA AMSAT for this bulletin]

/EX
SB ALL @ AMSAT $ANS-062.02
MICROSAT UPDATE (PART 1)

HR AMSAT NEWS SERVICE BULLETIN 062.02 FROM AMSAT HQ
SILVER SPRING, MD MARCH 3, 1990
TO ALL RADIO AMATEURS BT

MICROSAT Status Report

The work accomplished during week six of the AMSAT Satellite Factory (tm) brings closer the time when the satellites are fully commissioned for general use. Chris Williams (WA3PSD) of Weber State University reports that WO-18 Photo-04 is another keeper. It was taken over the north coast of the Bay of Bengal. It is mostly clouds, but the right side of the screen has them thinned out a bit and some faint detail of land can be decerned (with a trained eye).

AO-16's S band beacon is being activated. If a number of key telemetry parameters are within specified windows, the beacon will be left on for a period of time.

It has been determined that the power module version of the +10V bus for DO-17 is reading faulty. The AMSAT Engineering team is in the process of recalibrating it. Jim (WA4ONG) has been "manually" charging the batteries on DO-17 to top them off in anticipation of activation of the voice transmission experiment on DOVE. Jim has managed to bring the TRUE battery voltage up almost 0.5 V in a short period of time. It is hoped that this next week will bring DO-17 closer to full commissioning.

/EX

SB ALL @ AMSAT $ANS-062.03
MICROSAT UPDATE (PART 2)

HR AMSAT NEWS SERVICE BULLETIN 062.03 FROM AMSAT HQ
SILVER SPRING, MD MARCH 3, 1990
TO ALL RADIO AMATEURS BT

MICROSAT Status Report, PART 2

The AO-16 and LO-19 digipeaters have been turned on for use. Ralph Wallio, W0RPK, reports that he was able to connect to himself thru LO-19. While he was doing the normal things one does when first starting in Packet Radio such as sending yourself "Hello" and "Test" packets he received a *** Connect request from N4HY. Ralph quickly disconnected himself from himself (no comments please) and reconnected to N4HY.

On the LSTAT telemetry line now there is a new item which has the form of "d:n"; "d:0" means the digipeater is off, "d:1" means the digipeater is on. Telemetry normally comes down one each 10 seconds. When a packet is being digipeated, the time interval becomes 30 seconds. This is a compromise between those people who are using the digpeat function and those people who are looking simply to to copy the telemetry. The AMSAT Engineering Teams asks to please check the downlink BEFORE you transmit. If telemetry is coming down each 10 seconds, then look at the LSTAT line. If d=0, DON'T TRANSMIT. If you see other digipeat activity, then the digipeater is on, and it is OK to transmit. You must specify the spacecraft callsign as a digipeater to get digipeated, e.g., PACSAT-1. This is because there are multiple spacecraft on a specific frequency. N4HY advises that AO-16 and LO-19 will be unavailable at a moments notice and without warning at times as the AMSAT Engineering team is still uploading code.

Initial use of the AO-16/LO-19 digipeater has found that an AO-13 style 10-13dbi gain antenna and 10 watts are all that are needed to access a MICROSAT AT THE HORIZON. More power is not required. Deviation of your transmitter should be set to 3kHz. Also, if you can track your uplink with a program, track in the smallest units you can. Some radios can track through the serial link in much smaller intervals than can be commanded thru the front panel. Set your program to generate the data in small intervals as well. Success has been shown (using 6 seconds (.1 minute)) intervals with QuickTrak and Kansas City Tracker.

/EX
SB ALL @ AMSAT $ANS-062.04
IT SATELLITE DATA BASE ANOMALY

HR AMSAT NEWS SERVICE BULLETIN 062.04 FROM AMSAT HQ
SILVER SPRING, MD MARCH 3, 1990
TO ALL RADIO AMATEURS BT

INSTATRACK Satellite Data Base Anomaly

Users of InstantTrack who acquired element sets soon after the new birds were launched should check MICROSAT and UOSAT data carefully. Until this past weekend the object names for several of the birds were incorrect. This was the result of the mis-labeling that occurred at NORAD early on. Now that NORAD has corrected the labels, the element sets are correctly tagged with the proper satellite.

The mis-labling of our new satellites by NORAD has created a mixed identity problem for InstantTrack users. For example, prior to the correction, object 20437 was identified as UO15. Well, in fact, 20437 is really UO14. However, if you have loaded recent element sets into IT you will get a satellite selection menu entry of UO15 actually loaded with UO14 elements. This problem will most likely occur with UO14/UO15/AO-16.

InstantTrack loads satellite elements by looking at the OBJECT NUMBERS and matching them to the object numbers in its database. It assumes that when you load the new elements for object 123, you want it to replace the data you presently have there for object 123. InstantTrack makes a second assumption. It assumes that when you load new elements for an object already in he database, you want to KEEP THE OLD NAME for the object. The reason for this is simple. The same object often goes by many different names. EGAP vs Ajisai. AO-13 vs Oscar-13. UO-11 vs UOSAT-2, etc.

The correct present relationship between object name and object number has been published several places recently. All you need to do is look at the name and object number for each MICROSAT. If they don't match the published relationship, then EDIT THE NAME ONLY. InstantTrack will already have loaded the correct orbital elements with the correct object number.

/EX
SB ALL @ AMSAT $ANS-062.05
AO-13/AO-10 TRANSPONDER SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 062.05 FROM AMSAT HQ
SILVER SPRING, MD MARCH 3, 1990
TO ALL RADIO AMATEURS BT

Mode-B : MA 000 to MA 165
Mode-JL : MA 165 to MA 195
Mode-S : MA 195 to MA 200
Mode-BS : MA 200 to MA 205
Mode-B : MA 205 to MA 256
Omnis : MA 240 to MA 060

BLON = 207.3 and BLAT = 2.3 for 05Mar90

The Mode-B beacon will be ON from MA 195 to MA 200. However from 21Feb90 to 21Mar90 there will be an OFF period from MA 20 to MA 90 due to solar eclipses affecting AO-13. The length of the eclipses vary from 12 to 89 minutes. Only the Mode-S transponder & the Mode-B beacon will be ON from MA 195 to MA 200.

AO-10 is currently experiencing solar eclipses during major portions of it orbit and until further notice its transponder is not available for use.

/EX
SB ALL @ AMSAT $ANS-062.06
UO-14 STATUS REPORT PART I

HR AMSAT NEWS SERVICE BULLETIN 062.06 FROM AMSAT HQ
SILVER SPRING, MD MARCH 3, 1990
TO ALL RADIO AMATEURS BT

UOSAT-OSCAR-14 Status Report #006 2-March-90, Part I

We apologize for the long delay between the last report and this one. The team at UoS has been very busy working toward the full commissioning of UO-14 and also trying all avenues toward the recovery of UO-15.

Firstly, happy birthday to UoSAT-OSCAR-11, now completing its 6th year in orbit! Congratulations to the international team which built this successful satellite.

UO-14 Attitude Control and Stabilization

UO-14 operations for the past month have concentrated on maneuvering the satellite into an attitude suitable for extension of the gravity gradient boom. On UO-9 and UO-11, these preliminary attitude control operations were conducted mostly under direct control of the Surrey Command Station, with only simple on-board computer programs. On UO-14, these operations are being conducted autonomously by the 1802 On Board Computer (OBC). This transfer from manual to automatic control has been made possible by extensive experimentation using UO-11, and development of complex autonomous attitude determination and control algorithms in the FORTH DIARY. These operations have been going well, if a bit slowly. University of Surrey's spacecraft attitude determination and control expert, Mr. Hodgart, has extensive lecturing and administrative commitments at the University, so software modifications and data analysis have sometimes been delayed.

In our last report, UO-14 was in a "flat spin", with the spin axis lying in the orbit plane, roughly north/south pointing. The first step was to slow this spin from 18 seconds to several minutes. Once the flat spin was slowed, controllers decided to impart some spin about the satellites Z axis. This is the normal spin motion for UoSAT satellites, and it distributes solar illumination evenly between all of the spacecraft's body mounted solar panels. This assures that no undesirable thermal gradients build up across the body of the satellite. Although control of Z axis spin is a regular part of UO-11 operations, it was found that spin control of a non-Earth-pointing UoSAT required some modifications to the OBC software. The desired Z spin rate was achieved during the last week in February.

After imparting spin about the Z-axis for proper thermal control, we wish to lock the Z axis to the Earth's magnetic field. Because of the alignment of the field, magnetic locking places the satellite in a favourable attitude for boom deployment as it makes descending passes over Guildford. Thus, once the satellite locked to the magnetic field, the boom will be deployed within range of the Command station, the magnetic lock software will be disabled, and the satellite should become gravity gradient stabilized. These operations are expected early next week (12 March).

/EX
SB ALL @ AMSAT $ANS-062.07
UO-14 STATUS REPORT PART II

HR AMSAT NEWS SERVICE BULLETIN 062.07 FROM AMSAT HQ
SILVER SPRING, MD MARCH 3, 1990
TO ALL RADIO AMATEURS BT

UO-14 Status Report #006 2-March-90, Part II

Data Formats

UO-14 continues to run the FORTH DIARY on the 1802 OBC, using data formats distributed just after launch. The development, publication and implementation of downlink data formats for OSCARs is a delicate business, especially early in a mission. We do not want to publish data formats if they are likely to change quickly, lest people waste their time implementing software which will later become useless. On the other hand, if we do not publish formats, you cannot listen to the satellites - and that's what they're there for!

In the next month, we will be changing operating regimes on UO-14, as the PACSAT Communications Experiment (PCE) is brought on line. Once this happens, asynchronous data formats (as used by the DIARY) will give way to synchronous, AX.25 packet formats.

As soon as possible, the PCE on UO-14, and the BBS systems on AO-16 and LO-19 will be brought on line for general amateur store-and-forward communications access. All three of these satellites will be running the same software, using the same protocols - developed jointly by UoSAT and AMSAT-NA. NK6K and G0/K8KA have already published a draft standard for a broadcast (e.g. bulletins and Whole-Orbit-Data) protocol. A final specification should be distributed soon, and early transmissions from the UO-15 PCE will use this protocol. Specification of the message-transfer protocol is well under way.

Thus, the stable state, which we expect to reach sometime this spring, is that UO-14, AO-16 and LO-19 bulletin boards will be accessable with the same groundstation protocol software. Broadcasts from these satellites (e.g. bulletins and Whole-Orbit Data) will also come down in a single standard data format. Until we reach this state, ground station software developers are advised to make their programs modular and be ready to revise!

Downlink Modulation

UO-15 is capable of transmitting either 1200 baud AFSK (as used on all previous UoSATs and currently transmited by UO-14), or 9600 bits/second FSK. Ultimately, the PCE on UO-15 will support only 9600 bps FSK. During the transition from DIARY operations to PCE operations, however, we will also be transmitting AX.25 packets at 1200 bits/second AFSK. Like DOVE, this should be copyable with a standard, unmodified, TNC.

[AMSAT News Service would like to thank G0/K8KA for this bulletin.]

/EX
SB ALL @ AMSAT $ANS-062.08
UO-15 STATUS REPORT

HR AMSAT NEWS SERVICE BULLETIN 062.08 FROM AMSAT HQ
SILVER SPRING, MD MARCH 3, 1990
TO ALL RADIO AMATEURS BT

UO-15 Status Report #006 2-March-90

Experiments are under way using a large (150ft) antenna at Stanford Research Institute (SRI) to attempt to detect very low level signals leaking from the UO-15's on-board uplink receiver local oscillators. If the spacecraft power systems are still functioning, then these signals should always be present since the receivers cannot be switched off. However, these leakage signals are deliberately minimized during the design of the satellite and so they are very weak (-60 dBm = one thousand, millionth of a watt or the equivalent to looking for a single Xmas tree light in Australia!). The experiments at Stanford are therefore very demanding: it will only be possible to extract the signals from the background noise using sophisticated off-line digital signal processing, and a one second error in antenna tracking time may miss the satellite altogether!

Fortunately, we have UO-14 working well, and this sister satellite can be used as a "reference" to determine whether it is in fact possible to detect these signals even if UO-15 is alive (UO-14 & 15 use identical systems). After much processing, SRI successfully detected the leakage signal from UO-14 on Feb. 26th at the expected levels, and attempts to listen for UO-15 have just commenced. It may still take several weeks before the results are conclusive, since great care has to be taken to remove all sources of error and uncertainty. If the leakage signals are detected from UoSAT-15, then further tests are planned which should allow us to trace the nature of the fault.

[AMSAT News Service would like to thank G3YJO for this bulletin.]

/EX
SB ALL @ AMSAT $ANS-062.09
AMSAT HF NET SCHEDULES

HR AMSAT NEWS SERVICE BULLETIN 062.09 FROM AMSAT HQ
SILVER SPRING, MD MARCH 3, 1990
TO ALL RADIO AMATEURS BT

Numerous Regularly Scheduled AMSAT HF Nets Provide Timely Information

With events occuring so quickly in the world of amateur radio satellites, the quickest place to find information about operational news on the OSCARs is one of the many weekly HF AMSAT Nets. The following is a schedule of the many AMSAT Nets each week:

DAY	TIME	FREQUENCY	NCS	COMMENT

Sunday	09:00 UTC	14.280 MHz	ZS6AKV	AMSAT-SA Net
Sunday	10:00 UTC	3.685 MHz	VK5AGR	AMSAT Australia
Sundays	19:00 UTC	14.282 MHz	WD0HHU	AMSAT International Net
Sundays	19:00 UTC	21.280	W8GQW	Simulcasts On AO-13 when in View On 145.955 Mode B
Sundays	23:00 UTC	18.155 MHz	N4QQ	Excellent DX Windows
Tuesday	9:00 P.M. EST	3.840 MHz	W8GUS	AMSAT East Coast Net
Tuesday	9:00 P.M. CST	3.840 MHz	W0CY	AMSAT Mid America Net
Tuesday	9:00 P.M. PST	3.840 MHz	KI6QE	AMSAT West Coast Net
Saturday	15:00 UTC	28.460 MHz	WB2YGA	AMSAT Beginner's Net
Saturday	10:00 UTC	14.280 MHz	PA0DLO	AMSAT European Net
Saturday	22:00 UTC	14.282	ZL1WN	AMSAT South Pacific Net

/EX

Posted: Tue, Mar 6, 1990   4:33 AM GMT   Msg: EGJA-4188-2261
From: JWHITE
To: is
CC: paclist
Subj: motion instalment 23b.24c.a1

TO: IS
CC: PACLIST

Further on motion...

Analysis of array currents has indicated that PACSAT-1 (AO-16) came out of its tumbling motion after separation spinning in the wrong direction. Because of the dynamics of the separation from the launch vehicle, there was a 50 - 50 chance of that happening with any of the microsats. Once it had locked into the magnetic field of the earth, about 10 days after launch, it began to slowly spin down from about a 10 minutes per revolution rate, to 30 minutes, to 1 hour, then on Feb 17th it essentially stopped all spinning motion for a couple of orbits, then began to turn in the opposite (correct) direction. As of March 3 it had spun back up to about 7 minutes per rev in the correct direction and will probably stabilize at that rate, which is the same speed at which LUSAT-1 (LO-10) is turning. A change in the telemetry gathering method will be necessary to determine if the wobbling motion, much like a top that is a bit out of balance, has been reduced from the 45 degrees measured in early February.

73 Jim White, WD0E

Posted: Sat, Mar 10, 1990 11:41 PM GMT   Msg: HGJA-4192-8318
From: CDUNCAN
To: is
CC: w1aw
Subj: ANS$069

SB ALL @ AMSAT $ANS-069.01
WO-18 WEEKLY STATUS REPORT

HR AMSAT NEWS SERVICE BULLETIN 069.01 FROM AMSAT HQ
SILVER SPRING, MD MARCH 10, 1990
TO ALL RADIO AMATEURS BT

WEBERSAT-OSCAR-18 Picture Taking Continues; Weberware 1.0 Goes To Beta Test

WA3PSD reports that the Ground Command Station at Weber State University (WSU) is receiving pictures from space on a daily basis. This past week the best picture taken was of the coastline of British Columbia near Vancouver Island. Since Weberware 1.0 has the capability to recover the color in pictures from the imaging data stored in memory, the oceans show up with the proper hues as seen by the camera. Initially it was difficult for the WSU students to pin-point the area snapped by the camera, but checking with QUIKTRAK the time the lens shutter was opened, they determined that it was the coastline of British Columbia. The camera on WO-18 can only take a 170 square mile picture (when looking straight down), so at times one has to be very good at geography. Horizon sensor readings are being integrated into the picture taking software on-board WO-18. The horizon sensors can be interpreted to determine when the satellite is pointing at the earth. The software is being changed so that pictures will only be taken at those times. Hopefully, this will mean the end to pictures of deep space or the sun.

WO-18 may be heard on 437.100 MHz (+/- 10 KHz for doppler shift). The alternate frequency is 437.075 MHz.

WA3PSD is pleased to announce that the beta test version of the picture processing software, Weberware 1.0, will be sent out to a group of carefully choosen software testers next week who will perform intensive checks of the software. If no major bugs are discovered radio amateurs can expect to see Weberware 1.0 available from the AMSAT Software Exchange around the first week of April. WA3PSD wants to emphasis that the first priority at WSU is taking care of WO-18 -- after that, getting the image processing software finished is next. The students at WSU are working as quickly as possible to get this very complicated program into a user friendly state. Weberware 1.0 is designed to run on IBM AT clones equipped with EGA or VGA monitors.

Because of the instant popularity of WSU's efforts in the building the WEBERSAT MICROSAT, many grade school and high school students from the greater Ogden/Salt Lake City area are showing up at the Ground Command Station in the evenings to see what is involved in the care and feeding of an OSCAR satellite. The WSU students have enthusiastically embraced the job of explaining to all who enter the finer details of WO-18 and its many on-board scientific experiments. It is hoped that many of these young people will not only become interested in amateur radio but also start thinking about space.

All radio amateurs are encouraged to continue to save picture data from WO-18 and telemetry. If you would like to receive a beautiful QSL card from WSU, send your QSL card, a copy of WO-18 telementry and a s.a.s.e. to:

WA3PSD
Eng. Tech. Bldg., #236
Weber State University

Ogden, UT
84408-1805

/EX
SB ALL @ AMSAT $ANS-069.02
ORBITAL DATA MANAGER APPOINTED

HR AMSAT NEWS SERVICE BULLETIN 069.02 FROM AMSAT HQ
SILVER SPRING, MD MARCH 10, 1990
TO ALL RADIO AMATEURS BT

Operational Coordinator for Orbital Data Management Appointed

AMSAT-NA V. P. of Operations, Courtney Duncan, N5BF, announces the appointment of Dick Campbell, N3FKV, AMSAT Operational Coordinator for Orbital Data Management. Dick has already assumed his initial responsibility of collecting, reformatting, and releasing keplerian orbital data for satellites of interest to amateur radio operators on a weekly basis.

As AMSAT continues to progess into an era of tracking and utilizing over a dozen satellites (plus weather satellites), Dick will work to improve both our sources for this information, intermediate processing and checking, and our distribution networks to maximize the usefulness of the information for all involved.

Comments and suggestions should be forwarded to:

Dick Campbell, N3FKV
216 Coventry Drive
Lorena, Texas 76655

Dick does not currently live near a packet BBS so packet mail on the subject of AMSAT Orbital Data Management may be forwarded to him via N5BF @ WB6YMH.

/EX
SB ALL @ AMSAT $ANS-069.03
ORBIT DATA CHANGES CONSIDERED

HR AMSAT NEWS SERVICE BULLETIN 069.03 FROM AMSAT HQ
SILVER SPRING, MD MARCH 10, 1990
TO ALL RADIO AMATEURS BT

The number of satellites tracked and used by radio amateurs is more than doubling during 1990 and so are the demands on the distribution networks for orbital information. As a result, AMSAT-NA is interested in quantifying its user base and determining their requirements as plans are made to improve the system.

Already, many AMSAT and AMSAT related publications have gone from the familiar "AMSAT Standard" format to the more compact NASA "two line" format to save space. Consideration is also being given to changing to this format for packet radio distribution. For users of PC compatible computer systems with the popular Quiktrak, InstanTrak and Graftrak tracking programs, this poses no problem. These programs are able to make automatic updates of keplerian data from files captured during packet BBS or dial up BBS sessions. Older versions of these programs, programs for other types of computers, and software used in other parts of the world do not have these features, however, and AMSAT is interested in determining exactly what information and formats it should be providing to its broad user base. Interested users are asked to answer the following questions and respond to one of the addresses given below.

NAME ___________________

CALLSIGN ________________

ADDRESS _________________

What computers, calculators, or other tracking aids do you use for amateur or weather satellite tracking?

What tracking programs do you use?

What type of orbital data do you use? (AMSAT sets, NASA two-line, equator crossing time and longitude, other - please describe).

How often do you do orbital data updates?

How do you perform these updates? (Manually, tracking program utility)

How many and which satellites do you maintain in your database? How many do you routinely use?

Where do you obtain your orbital data? (AMSAT Nets, Packet BBS, printed publications, mail from NASA, other - please describe).

Please send replies to:

Dick Campbell, N3FKV
AMSAT-NA Operational Coordinator
 for Orbital Data Management
216 Coventry Drive
Lorena, Texas 76655

Dick does not currently live near a packet BBS, packet mail responses should be addressed to N5BF @ WB6YMH.

/EX
SB ALL @ AMSAT $ANS-069.04
SEARCH FOR UO-15 FAILURE MODE CONTINUES

HR AMSAT NEWS SERVICE BULLETIN 069.04 FROM AMSAT HQ
SILVER SPRING, MD MARCH 10, 1990
TO ALL RADIO AMATEURS BT

Volunteers at the Stanford Research Institute (SRI) have been working with the University of Surrey (UoS) to try to determine what may be preventing UO-15 from downlinking telemetry. Martin Sweeting of the UoS reported that SRI is making available a 150 foot dish and its sophisticated signal processing equipment to determine if any of the sub-systems on UO-15 are still operational. If you will remember, SRI has aided UoS in the past by using the same dish to uplink a signal of "sufficient strength" to overcome the desensing of UO-9's command receiver when its two meter transmitter was erroneously turned on.

The signals SRI are trying to receive are the local oscillators on board UO-15. It has been calculated that the receive signal strength of UO-15's LOs are approximately -160 dBm (talk about small-signal work!). A trial run this week of receiving LO signals from the healthy UO-14 was deemed successful, although it required signal analyzers utilizing FFT techniques that provided a 1 Hz resolution bandwidth over a 5 KHz BW to discern the signals. SRI will now try to locate UO-15's LO signals over the next week and from the results of those efforts, the University of Surrey's engineering team will make a determination if it is possible to "pull the cork" on UO-15's transmitter.

/EX
SB ALL @ AMSAT $ANS-069.05
MICROSAT UPDATE

HR AMSAT NEWS SERVICE BULLETIN 069.05 FROM AMSAT HQ
SILVER SPRING, MD MARCH 10, 1990
TO ALL RADIO AMATEURS BT

Week seven at the AMSAT Satellite factory finds each satellite closer to full commissioning for general use. DO-17 continues to excite newcomers to the world of Amateur Satellites with its ease of telemetry reception. Anyone with a 2 meter FM receiver tuned to 146.825 MHz, a 1/4 wave ground plane antenna (there is no tracking required with this antenna!) and a standard TNC will be able to receive telemetry packets from DO-17. By listening from 8:00 am through 1:00 am and 7:00 pm through 12:00 am local time, you should be able to pick up a number of passes of DO-17. DO-17 transmits packets for about 2.5 minutes followed by an "off period" of about 30 seconds. As is the case with each of the Microsats, the telemetry offers 59 telemetry points and the AMSAT Software Exchange has available programs that translate the data points into more easily recognizable information (ie: battery voltage, solar cell current etc.).

AO-16 and LO-19 have been available for digipeating packets. Numerous stations have successfully connected to "DX" (as far as VHF-packet operations is concerned) via these two birds. The Store and Forward capabilities of AO-16 and LO-19 have yet to be enabled, pending further testing.

The modulation protocol on these two birds is as follows. The TNC must use an external 1200 baud PSK modem rather than the FSK modem that is standard on commercial TNCs. Approximately 100 watts EIRP FM is all that is required to access AO-16 or LO-19. Your downlink receiver must be set to USB or LSB. To digipeat through AO-16 you must use the address PACSAT-1. To digipeat through

LO-19 you must use the address LUSAT-1. Below are listed the downlink and uplink frequencies of AO-16 and LO-19:

AO-16	Downlink	437.025	437.050	MHz		
	Uplink	145.90	145.92	145.94	145.96	MHz
LO-19	Downlink	437.150	437.125	MHz		
	Uplink	145.84	145.86	145.88	145.90	MHz

/EX

Posted: Sun, Mar 11, 1990 12:14 AM GMT Msg: FGJA-4192-8386
From: CDUNCAN
To: is
Subj: ORBS improvements

Next week, we plan to divide the OSCAR ORBS bulletin into digital and analog, 6 satellites each (with FO-20 in both). This should relieve some of the packet mail congestion by making smaller bulletins.

I assume that the problem is length of bulletins, not number of bulletins.

73, Courtney, N5BF

Posted: Sun, Mar 18, 1990 12:16 AM GMT Msg: DGJA-4198-8918
From: CDUNCAN
To: is
CC: w1aw
Subj: ANS$076

SB ALL @ AMSAT $ANS-076.01
UOSAT 14 & 15 STATUS REPORT

HR AMSAT NEWS SERVICE BULLETIN 076.01 FROM AMSAT HQ
SILVER SPRING, MD MARCH 17, 1990
TO ALL RADIO AMATEURS BT

UOSAT-OSCAR-14 and UOSAT-OSCAR-15 REPORT #007 15-Mar-90

** UoSAT-OSCAR-14 **

Attitude Control and Stabilization

Manueuvers prior to gravity gradient stabilization have taken somewhat longer than expected. The most recent delays were caused by the need to add digital filters to the attitude determination software to remove unwanted noise from the magnetometer readings. The filters have been installed, and a new version of the FORTH diary will be uploaded soon.

High Speed Downlink Tests

The UoSAT Command Station has been conducting limited experiments with the

9600 bits/second Frequency Shift Keyed (FSK) downlink on UO-14. These tests have been quite successful, doubling the highest digital link speed previously used on any OSCAR satellite (4800 bps is routinely used on UO-11).

Data transmitted during these tests has been either asynchronous telemetry from the Very Large Scale Integrated telemetry system or continuous streams of 1 bits (no data at all). The "stuck ones" tests are very useful because of the scramblers in the modulator and demodulator. The 1's are scrambled and transmitted as pseudorandom data over the RF link. The groundstation demodulators then lock onto this data, descramble it, and reproduce the continuous 1's. Any 0's in the demodulated output data stream are caused by bit errors on the communication link, and the link bit error rate (BER) can be calculated from the frequency of such transitions.

BER tests are to be scheduled into the DIARY in aid of those trying to test their FSK receive systems. The first scheduled tests were scheduled for the morning passes over the East Coast of the US on 15 March.

- de G0/K8KA.

** UoSAT-OSCAR-15 **

The team at Stanford has succeeded in detecting local oscillator (LO) leakage from the UO-15 command receiver. The weak signals were first detected on March 10 and then again on March 11. Roy Long, leading the Stanford Research Institute team on the recovery attempt, said that there is no doubt that the signal comes from UoSAT-15. It is weaker than the corresponding signal on UoSAT-14, as expected from prelaunch measurements.

Each UoSAT carries three receivers: a fixed-frequency command receiver and two communications receivers with switchable frequency. Efforts will now concentrate on monitoring one of the switchable frequency receivers. If one of these receivers is heard, commands will then be sent to change the receiver frequency, which should cause a corresponding change in the LO frequency. Observation of changed LO frequency will confirm that the satellite's command system is basically healthy.

The work at Stanford is very time consuming, requiring azimuth and elevation control of the huge Stanford 150 diameter dish to within tight limits. Data are collected for only a few seconds, followed by hours of post-processing.

/EX
SB ALL @ AMSAT $ANS-076.02
DOVE-OSCAR-17 OBC CRASHES

HR AMSAT NEWS SERVICE BULLETIN 076.02 FROM AMSAT HQ
SILVER SPRING, MD MARCH 17, 1990
TO ALL RADIO AMATEURS BT

DOVE-OSCAR-17's On-board Computer (OBC) Experiences A Crash

On Wednesday March 14, reports were received that an On-Board Computer (OBC) crash had occurred on DOVE-1. Since then, only a continuous carrier with packet "flags" has been heard on the DO-17 downlink of 145.825 MHz. At the present time it has not been determined exactly how this computer anomaly occured. Attempts are being made to perform a reset of the DOVE-1 CPU.

At the present time the MICROSAT Engineering Team does not feel this condition poses any threat to the well-being of DO-17. After several command tests, the anomalous situation will be better understood. If a reset attempt is succesful, the S band transmitter will be commanded on and two meter transmissions will be suspended until after the next software upload is completed. Data reports from S band receiving stations will be crucial during the period following the reset. Stations equipped to receive 1200 bps PSK on 2400.1 - 2400.3 MHz should contact Courtney Duncan, N5BF, or Bruce Rahn, WB9ANQ via the AMSAT-NA Operations Net or AMSAT-NA Headquarters. Also, data reports from shortly before the CPU crash will be appreciated. For information on submitting reports, see the following ANS bulletin concerning the Microsat Data Archive.

Stay tuned to AMSAT Nets and ANS bulletins for further updates.

/EX
SB ALL @ AMSAT $ANS-076.03
MICROSAT DATA ARCHIVE ESTABLISHED

HR AMSAT NEWS SERVICE BULLETIN 076.03 FROM AMSAT HQ
SILVER SPRING, MD MARCH 17, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Vice President for Operations, Courtney Duncan, N5BF, announces the appointment of Reid Bristor, WA4UPD, Technical Coordinator for Satellite Data Archiving.

Reid has set up a database using DEC computers and large, removable fixed disk drive systems and is now ready to begin receiving data for collating and storage. Microsat files collected in either KISS or ASCII mode are acceptable. File naming is not yet standardized so any convention is ok as long as submitters include a note explaining how their personal naming convention works. A standard format for file naming and file contents will be published soon after which all submissions must conform. At this time, all Microsat datafiles are welcome.

This archive will be used to keep records on the Microsat spacecraft over short and long term periods and to allow various spacecraft parameters and trends to be analyzed. Clearly, any such research will benefit from the most complete dataset possible, thus, it is very important that everyone with captured data send copies to Reid for inclusion in the master archive. Command and monitoring station operators are very dedicated individuals but they all have careers, families, and other responsibilities and have not been able to take data for every visibility of every satellite since launch. Also, each satellite is only visible a small percentage of the time from any given location. There is no single, complete collection of Microsat telemetry data; AMSAT is counting on the many amateur satellite users around the world who have been logging data for the last two months to begin this collection. There is a good chance that the data submitted by any individual is unique and therefore very important to the collection. Submissions are solicited from North and South America, Africa, Europe and Asia, Australia and Oceania, and any other locations for all times since the Microsat launch.

As the system developes, it will be expanded to include other amateur satellites besides the Microsats. Submission standards will be published and amateurs wishing access to the data for analysis and research will be accomodated.

Reid is prepared to take submissions by mail in any of the IBM-PC 5.25 or 3.5 inch disk formats, Commodore-64 1541, 1571, and 1581 formats, and DEC RX-50 and RX-01/2 formats (as used on the Rainbow 100 and PRO series DEC systems). Those with disks in Apple, MacIntosh, or any other formats not listed are asked to write to Reid at the address given below to work out the details of data submission. Files may be compressed using PKARC. Direct, electronic submission of data may be instituted in the future if it is deemed practical.

Data diskettes, inquiries, comments, and other correspondence concerning the Microsat / Amateur Satellite Data Archive may be directed to:

Reid Bristor, WA4UPD @ N4JLR
4535 Deerwood Trail
Melbourne, Florida 32935

Reid also participates regularly in the Amsat-NA Operations Net on AO-13 and can be contacted there.

/EX
SB ALL @ AMSAT $ANS-076.04
AO-10 & 13 TRANSPONDER SCHEDULES

HR AMSAT NEWS SERVICE BULLETIN 076.04 FROM AMSAT HQ
SILVER SPRING, MD MARCH 17, 1990
TO ALL RADIO AMATEURS BT

AO-13 Transponder Schedule to 09May90

Mode-B : MA 000 to MA 165
Mode-JL : MA 165 to MA 195
Mode-S : MA 195 to MA 200
Mode-BS : MA 200 to MA 205
Mode-B : MA 205 to MA 256
Omnis : MA 240 to MA 060

BLON = 207.4 and BLAT = 1.7 for 19Mar90

The Mode-B beacon will be ON from MA 195 to MA 200. However from 21Feb90 to 21Mar90 there will be an OFF period from MA 20 to MA 90 due to solar eclipses affecting AO-13. The length of the eclipses vary from 12 to 89 minutes. Only the Mode-S transponder & the Mode-B beacon will be ON from MA 195 to MA 200.

AO-10 is currently experiencing solar eclipses during major portions of it orbit and until further notice its transponder is not available for use.

/EX
SB ALL @ AMSAT $ANS-076.05
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 076.05 FROM AMSAT HQ
SILVER SPRING, MD MARCH 17, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times. Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970. All nets in the current cycle occur on Saturday U. S. time.

Date UTC	Time	Phs	Mode	NCS
25 Mar 90	0400	200	B	WD0E/WA4UPD
01 Apr 90	0400	118	B	N5BF
07 Apr 90	1300	212	B	N5BF
15 Apr 90	0210	168	J/L	N5BF
22 Apr 90	0400	127	B	N5BF
28 Apr 90	1300	221	B	N5BF
06 May 90	0145	168	J/L	N5BF

/EX
SB ALL @ AMSAT $ANS-076.06
SA AMSAT BACAR MISSION 90/1 A HUGE SUCCESS

HR AMSAT NEWS SERVICE BULLETIN 076.06 FROM AMSAT HQ
SILVER SPRING, MD MARCH 17, 1990
TO ALL RADIO AMATEURS BT

BACAR mission 90/1 was a huge success. Three balloons carried BACAR (BAlloon Carrying Amateur Radio) to a height of nearly 50,000 feet above sea level in what can be described as a flawless mission.

BACAR was equipped with an RTTY telemetry unit providing information such as current altitude and rate of climb. The telemetry transmitter's output was in the 2 meter band. The camera used was a closed circuit monochrome CCD television camera fitted with an 8.5 mm lens. The camera had an automatic gain control circuit which compensated for the variation in light intensities. The video output from the camera was fed into a video transmitter operating on standard UHF channel 35 (583.250 MHz). The transmitter consisted of a crystal controlled oscillator on 48 MHz which was multiplied up to the output frequency. Modulation was applied to the driver and output stages which then drove a co-linear ground plane antenna. The output of the transmitter was 1.7 watts. BACAR was powered by common alkaline batteries.

With an expensive camera on board, special precautions were taken to ensure that BACAR would be recovered. A special release mechanism was used that automatically released BACAR from the balloons 90 minutes after launch. As a further safety precaution, a telecommand receiver was also built into the device.

The local weather bureau provided tracking support and other logistical assistance. The launch went off like clockwork and seconds after BACAR started to ascend, reports of good quality video were received. Later in the flight video reception was reported from as far as Pietersburg, a city over 300 km from the launch site. Reports and video tapes are still being received.

[ANS would like to thank SA-AMSAT for this information]

/EX

Posted: Sat, Mar 24, 1990   9:59 PM GMT   Msg: JGJA-4205-2148
From: CDUNCAN
To: is
CC: w1aw
Subj: ANS$083

SB ALL @ AMSAT $ANS-083.01
WEBERWARE 1.0 IN BETA TESTING

HR AMSAT NEWS SERVICE BULLETIN 083.01 FROM AMSAT HQ
SILVER SPRING, MD MARCH 24, 1990
TO ALL RADIO AMATEURS BT

Weberware 1.0 Satellite Picture Processing S/W Released To Beta Testers

Chris Williams (WA3PSD) of Weber State University reports this week that a few selected radio amateurs will soon receive their Beta test copy of Weberware 1.0. Weberware 1.0 is designed to ta+-V5g3Bi]=KW-KVssq%9-5]m /EESW$V2mT(U)Wu*)' ~and generate a color picture on a EGA or VGA screen using a IBM PC or clone. The reviewers of this complex software package will be looking especially at its user friendliness. Also, they will be examining all its features and looking for any hidden software bugs which might be lurking in the background. While Chris emphasizes that testing Weberware 1.0 will be hard work, it should also provide a lot of excitement as it paints pictures of earth taken by the WO-18 CCD camera. Weberware 1.0 will run only on an IBM PC or clone with either a EGA or VGA CRT.

Assuming that no major problems are discovered by the Be

Posted: Sat, Mar 24, 1990 10:03 PM GMT   Msg: CGJA-4205-2155
From: CDUNCAN
To: is

CC: w1aw
Subj: ANS$083

SB ALL @ AMSAT $ANS-083.01
WEBERWARE 1.0 IN BETA TESTING

HR AMSAT NEWS SERVICE BULLETIN 083.01 FROM AMSAT HQ
SILVER SPRING, MD MARCH 24, 1990
TO ALL RADIO AMATEURS BT

Weberware 1.0 Satellite Picture Processing S/W Released To Beta Testers

Chris Williams (WA3PSD) of Weber State University reports this week that a few selected radio amateurs will soon receive their Beta test copy of Weberware 1.0. Weberware 1.0 is designed to take image information downlinked from WEBERSAT-OSCAR-18 (WO-18) and generate a color picture on a EGA or VGA screen using a IBM PC or clone. The reviewers of this complex software package will be looking especially at its user friendliness. Also, they will be examining all its features and looking for any hidden software bugs which might be lurking in the background. While Chris emphasizes that testing Weberware 1.0 will be hard work, it should also provide a lot of excitement as it paints pictures of earth taken by the WO-18 CCD camera. Weberware 1.0 will run only on an IBM PC or clone with either a EGA or VGA CRT.

Assuming that no major problems are discovered by the Beta testers, radio amateurs can expect to see Weberware 1.0 available from the AMSAT Software Exchange during the last week of April.

/EX
SB ALL @ AMSAT $ANS-083.02
V51NAM DX STATION ON AO-13

HR AMSAT NEWS SERVICE BULLETIN 083.02 FROM AMSAT HQ
SILVER SPRING, MD MARCH 24, 1990
TO ALL RADIO AMATEURS BT

V51NAM On AO-13 From Namibia Until March 25th

Hans an de Groenendaal (ZS6AKV) reports that on March 20th Namibian radio amateurs will start to use their newly allocated callsigns as follows:

Old Prefix	New Prefix
ZS3 Full License	V51
ZR3 Restricted VHF License	V50

As part of this change in call signs, special event station Z51NAM will be on AO-13 working as many stations as possible until March 25th. For those who make a contact with V51NAM and would like to QSL, send your QSL card to the:

South African Amateur Radio League
BOX 807
Houghton 2051, South Africa

The SARL will be handling all QSL's on behalf of the Namibian Amateur Radio Society. The President of the Namibian Amateur Radio Society is Derek Moore, ex ZS3DM.

[AMSAT News Service would like to thank ZS6AKV for this information.]

/EX
SB ALL @ AMSAT $ANS-083.03
MAC TLM PROGRAM AVAILABLE

HR AMSAT NEWS SERVICE BULLETIN 083.03 FROM AMSAT HQ
SILVER SPRING, MD MARCH 24, 1990
TO ALL RADIO AMATEURS BT

MACINTOSH MICROSAT Telemetry Decoding Program Now Available

Jim White (WD0E) reports that his TLMDCMac program is now available from the AMSAT Software Exchange. TLMDCMac is a Macintosh application that decodes telemetry (TLM) from any of the four AMSAT MICROSATs (AO-16, DO-17, WO-18, LO-19). It takes the values that are transmitted by the satellites and transforms them into "engineering values" that indicate how the spacecraft is operating, i.e., the RF power output of the transmitters, temperatures, current being generated from the solar arrays, etc. The telemetry data can be viewed live on the Mac screen during a MICROSAT pass by connection from your TNC to one of the Mac serial ports. You can also record the TLM and read it into TLMDCMac later. Recorded files must be in ASCII text (no KISS) and can be from any source. The program displays the raw TLM data and the decoded values (in Amps, degrees C, etc.) in two separate resizable, movable windows on the Mac screen. Decoded values are displayed in logical groups. It can also, at the user's option, create three separate output files: The raw TLM, the decoded values in a tabular format (probably not available in V1.0), or the decoded values in the SYLK format. The latter can be read into most any spread sheet application for further analysis, charting, etc. Included with the program is a Parameter Converter application for updating the files of parameters used to decode the raw TLM, the parameter files themselves, and a set of EXCEL templates in which data can be pasted into for further analysis. A complete user guide and some sample TLM files are also included. A Mac 512E, Plus, SE, Mac II, or Mac Portable can be used. For further information about the availability of this program, contact the Software Exchange at (301) 589-6062.

/EX
SB ALL @ AMSAT $ANS-083.04
AO-13/AO-10 OPERATING SCHED

HR AMSAT NEWS SERVICE BULLETIN 083.04 FROM AMSAT HQ
SILVER SPRING, MD MARCH 24, 1990
TO ALL RADIO AMATEURS BT

AO-13 Operating Schedule Effective Until 09-MAY-90

Mode-B : MA 000 to MA 165

Mode-JL : MA 165 to MA 195
Mode-S : MA 195 to MA 200
Mode-BS : MA 200 to MA 205
Mode-B : MA 205 to MA 256
Omnis : MA 240 to MA 060

BLON = 207.6 and BLAT = 1.1 for 02-Apr-90

The Mode-B beacon will be ON from MA 195 to MA 200. Only the Mode-S transponder & the Mode-B beacon will be ON from MA 195 to MA 200.

AO-10 is currently experiencing solar eclipses during major portions of it orbit and until further notice its transponder is not available for use.

/EX
SB ALL @ AMSAT $ANS-083.05
AO-13 OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 083.05 FROM AMSAT HQ
SILVER SPRING, MD MARCH 24, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times. Mode B nets are conducted on an AO-13 downlink frequency of 145.950 MHz. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970 MHz. All nets in the current cycle occur on Saturday U.S. time.

Date UTC	Time	Phs	Mode	NCS
01 Apr 90	0400	118	B	N5BF
07 Apr 90	1300	212	B	N5BF
15 Apr 90	0210	168	J/L	N5BF
22 Apr 90	0400	127	B	N5BF
28 Apr 90	1300	221	B	N5BF
06 May 90	0145	168	J/L	N5BF

/EX
SB ALL @ AMSAT $ANS-083.06
DO-17 RECOVERED BY EME STATION

HR AMSAT NEWS SERVICE BULLETIN 083.06 FROM AMSAT HQ
SILVER SPRING, MD MARCH 24, 1990
TO ALL RADIO AMATEURS BT

W5UN's Big EME Station "Gets" DOVE's Attention!

On Saturday, 17-Mar-90 the AMSAT Engineering Team successfully reset the CPU on DO-17 and commanded the 2M transmitter off. Dave Blaschke (W5UN) is the owner of the world's largest privately owned 2 meter antenna and was teamed with Harold Price (NK6K) to overcome the desense problem (DO-17's command receiver is also in the 2M band and the constant "streaming" by the transmitter desensed the command receiver). Even with 32.5 dBi gain, and nearly 2 megawatts of EIRP, it took Dave and Harold several days of transmitting the reset sequence before they were successful.

Alberto Zagni (I2KBD) reported that the transmitter power was dropping significantly at the end of the eclipse portion of the orbit which indicated that the batteries were flattening out. Armed with this information, Bob McGwier (N4HY) strategized with W5UN as to the two best times to reset the spacecraft CPU and turn the transmitter off. The first was at the end of the eclipse period, when transmitter power would be at its lowest point. However, if it turned out that the battery voltage was too low to maintain the GASFET preamp in the receiver, then the next time to try was just as the transmitter power was falling off (soon after it left the sun and started the voltage descent in eclipse). The latter was the time which turned out to be successful.

Almost immediately following the reset, NK6K uploaded a new set of battery charging commands and transmitter state commands. Early the next morning, Bob commanded the S band transmitter on and the two meter transmitter off. Bill McCaa, K0RZ, successfully copied the S band beacon. The AMSAT Engineering Team is reviewing the events of the last week to determine the failure mode. Once they have completed their investigation, they will upload the operating system for DO-17 and continue its shakedown prior to commissioning. DO-17 is not expected to be fully commissioned until sometime in April.

/EX
SB ALL @ AMSAT $ANS-083.07
AMSAT SPACE SYMPOSIUM LOCATION

HR AMSAT NEWS SERVICE BULLETIN 083.07 FROM AMSAT HQ
SILVER SPRING, MD MARCH 24, 1990
TO ALL RADIO AMATEURS BT

Johnson Space Flight Center to Host 1990 AMSAT Symposium

AMSAT has announced that the 1990 AMSAT Space Symposium will be held at NASA's Johnson Space Center near Houston Texas. The dates for the weekend meeting which will be hosted by the Johnson Space Center Amateur Radio Club, W5RRR, are October 19, 20 and 21.

Registration will open on Friday afternoon at the nearby King's Inn, and tours of the Center will be possible only on Friday and Monday. The tour includes areas such as Mission Control, the Shuttle Mock-up facility as well as the "Zero-G" Tank, a massive swimming pool used to train mission specialists for Shuttle Extra Vehicular Activities (rubber rafts are not allowed and space suits not necessary).

The Symposium will take place on Saturday in the Visitor Center's Main Auditorium. It is sure to be a day packed with talks and presentations on various amateur satellite and related projects. The day will conclude with a Texas-style Bar-B-Que and the AMSAT Banquet.

Many details have still yet to be worked out, but if their schedules allow, Ron Parise (WA4SIR) Mission Specialist on the upcoming STS-35 mission and Ken Cameron (KB5AWP) the Shuttle Pilot on STS-37 will be in attendance. Ken's mission is presently scheduled to be launched approximately two weeks following the annual meeting, so he may have late inside infomration on how he plans to operate during his mission.

Mark your calendar (using a pen) and make plans to attend this year's AMSAT Symposium. This is the "Year of the Amateur Satellite" and if you haven't gotten involved in the Amateur Space program, this would be an excellent way to find out what it is really all about. This is sure to be one of the most exciting Symposiums ever.

/EX
SB ALL @ AMSAT $ANS-083.08
U6MIR/U7MIR OPERATIONS POSSIBLE

HR AMSAT NEWS SERVICE BULLETIN 083.08 FROM AMSAT HQ
SILVER SPRING, MD MARCH 24, 1990
TO ALL RADIO AMATEURS BT

MIR Space Station Amateur Radio Operations Expected To Resume

AMSAT has received information from reliable sources that Soviet cosmonauts Anatoly Soloviev (U6MIR) and Alexander Balandin (U7MIR) may have resumed amateur radio activity from MIR, the Soviet Space Station. They are reported to be transmitting in 2 meter band primarily on 145.50 but may also be found on 145.550 MHz. The most probable time of operation is after 18:00 UTC and any time on weekends.

It was reported that the new radio brought up by the new operators has broken down and that Anatoly and Alexander were using the old equipment left by U2MIR and U4MIR. There are plans to replace the broken rig in the near future, possibly on an unmanned supply mission.

QSLs can be sent via bureau or direct to their QSL manager UW3AX at: P.O.Box 679, MOSCOW 107207, USSR. If you send a card direct, they request an IRC and a self-addressed envelope.

/EX

From 8442124880804891332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3fd67f66d1080620
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-25 21:45:08 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!decwrl!shelby!neon!kaufman
From: kaufman@Neon.Stanford.EDU (Marc T. Kaufman)
Newsgroups: rec.ham-radio
Subject: Re: Micrwave
Message-ID: <1990Mar26.054508.10321@Neon.Stanford.EDU>

Date: 26 Mar 90 05:45:08 GMT
References: <15266.260D93E3@stjhmc.fidonet.org>
Organization: Computer Science Department, Stanford University
Lines: 11
Posted: Mon Mar 26 06:45:08 1990

In article <15266.260D93E3@stjhmc.fidonet.org>
Brian.Crawford@p12.f15.n114.z1.fidonet.org (Brian Crawford) writes:

>Are there any hams on the usergroup currently ACTIVE on 3 & 5 GHz Amateur
>Bands? Is there anyone ACTIVE on the amateur bands in between 10 & 47 GHz?

There is an amateur telephone network on the 5 GHz band in the San Francisco Bay area. We have 4 spans up, with 1-3 T1 circuits per span.

There are some surplus doppler radar systems active on 10 GHz.

Marc Kaufman (kaufman@Neon.stanford.edu)

From 5641441146500367845
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5364c76d74269ebf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-26 00:35:18 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!snorkelwacker!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: Phil Karn (was Re: Anthropology 101)
Message-ID: <39826@apple.Apple.COM>
Date: 26 Mar 90 08:35:18 GMT
References: <11844@cadnetix.COM>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 22
Posted: Mon Mar 26 09:35:18 1990

In article <11844@cadnetix.COM> rusty@cadnetix.COM (Rusty Carruth) writes:
>Ok, all you non-ARRL members who want to see what Phil looks like in the
>flesh, go grab the most recent issue of QST.

Or, if you'd prefer to *hear* him in the flesh, tune into the National Teleconference Radio Network on April 8th. Phil will be one of the participants in a discussion of the no-code license proposal.

Coming soon to a repeater near you.... (You'll have to ask around your own area to find out which repeater(s) will be carrying NTRN.)

Patty

p.s. Of course, the current QST picture doesn't show him in as *much* flesh as did my hot tub photo last July..... :-)

--
****
Patty Winter N6BIS   INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]   UUCP: {decwrl,nsc,sun}!apple!winter
****

From -1521383062599164154
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f35daeb8b9c04cf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-26 08:23:03 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!hplabs!hpda!hpcupt1!holly
From: holly@hpcupt1.HP.COM (Jim Hollenback)
Newsgroups: rec.ham-radio
Subject: Re: Wild accusations against MFJ?
Message-ID: <7120111@hpcupt1.HP.COM>
Date: 26 Mar 90 16:23:03 GMT
References: <118@gizzmo.UUCP>
Organization: Hewlett Packard, Cupertino
Lines: 18
Posted: Mon Mar 26 17:23:03 1990

I'll throw my few cents in. I own a MFJ tunner, one of the 949 series, and an antenna bridge. They both work fine and do the job required. I would say that the value is there for what I paid. The antenna tunner certainly does not compare to a Nye-Johnson tunner or a Ten-Ten tunner, but hey for the money it does the job fine and has an acceptable quality level. Same goes for the antenna bridge. I have tunned up several antennas with it without a problem and for the amount of use I give it I can not complain about the performance. This V31BB character apparently did not talk to MFJ. If he has a complaint about the product he should at least give the manufacturer a chance to respond instead of taking his complaints public. As I recall, several months ago a person on this net was complaining about a speaker/mike. About a week later he posted an apology, seemed MFJ found out about his problem and sent him a new speaker/mike no questions asked. I would buy a MFJ product again with out hesitation. They provide a good product at an affordable price.
73's
Jim, WA6SDM
jholly@hpcupt1.hp.com

From 7285065675599782820
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,66858a3538ce9163,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-26 09:34:32 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!decwrl!ucbvax!hplabs!hpda!hpcuhb!hpindda!genem
From: genem@hpindda.HP.COM (Gene Marshall)
Newsgroups: rec.ham-radio

Subject: Req: QSO w/NV & ID on 15m CW
Message-ID: <5120009@hpindda.HP.COM>
Date: 26 Mar 90 17:34:32 GMT
Organization: HP Information Networks, Cupertino, CA
Lines: 12
Posted: Mon Mar 26 18:34:32 1990

Ok, so I'm getting desperate...

For a year now, I've been trying to complete my 15 meter,
CW, W.A.S. award and only need a contact with Nevada and
Idaho. If anyone in this user group would be up for a sked,
I sure would appreciate a line. I will be glad to work
around your schedule. Please respond via email:
genem@hpindnu.hp.com, or on packet: AA6IY @ N6LDL

Many tnx es 73's

Gene - AA6IY

From 3443426779828809648
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,24ecd6d12aafae8
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-26 09:44:51 PST
Path: gmdzi!unido!mcsun!uunet!optilink!elliott
From: elliott@optilink.UUCP (Paul Elliott x225)
Newsgroups: rec.ham-radio
Subject: QEX and other Ham mags.
Summary: QEX (quick query on quality)
Keywords: Magazines
Message-ID: <3290@optilink.UUCP>
Date: 26 Mar 90 17:44:51 GMT
References: <648@idacrd.UUCP>
Organization: Optilink Corporation, Petaluma, CA
Lines: 29
Posted: Mon Mar 26 18:44:51 1990

I am considering renewing or starting subscriptions to various HAM magazines,
and would appreciate comments or suggestions.

My priority list goes something like this:

1) Technical content
2) Technical content
3) Technical content
4) Operating practice, band openings, etc
...
98) Contests
99) Silent Keys (unless I am listed; that would concern me :-(

QST, Ham Radio, and 73 Magazine are locally available, so I have a pretty good idea of their content... how about QEX or others I may not be aware of? Any good newsletters?

How about it, fellow hams?

... de wb6cxc <end of work>

--
      Paul M. Elliott   Optilink Corporation   (707) 795-9444
                 {pyramid,pixar,tekbspa}!optilink!elliott
"Sneak Attack by Soviet Bloc Not Forseen" -- The Atlanta Journal 4/4/79

From -461903897012472071
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,622a40073bacba4e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-26 09:50:06 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com (DUBE TODD)
Newsgroups: rec.ham-radio
Subject: Code vs No-Code
Message-ID: <9003261758.AA23970@ti.com>
Date: 26 Mar 90 17:50:06 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 4
Posted: Mon Mar 26 18:50:06 1990

OK. Mark makes a good point. I promise not to mention it anymore.

73,
Dube Todd, N5PDK

From 4968485503089335707
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c669dd5af1fcb6f4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-19 08:45:30 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!cs.utexas.edu!ut-emx!trey
From: trey@ut-emx.UUCP (Trey Garlough)
Newsgroups: rec.ham-radio
Subject: Re: QSL's for QSO's from the 60's
Message-ID: <26403@ut-emx.UUCP>
Date: 19 Mar 90 14:52:29 GMT
References: <49369116.20b6d@apollo.HP.COM> <35151@cci632.UUCP>
Organization: The University of Texas at Austin, Austin, Texas

Lines: 28
Posted: Mon Mar 19 15:52:29 1990

> With KZ5 stations, you will have a problem, since those were military personnel stationed in the (then) U.S. Canal Zone. However, there are ways to track at least some of these folks down, assuming they're still alive and licensed.

Exactly. A friend of mine tracked down a KZ5 card by looking him up in an old KZ5-era callbook. Once you have the guy's name, you can look him up in a sorted-by-lastname-callbook or use one of these callsign-servers on the internet. If he has a current USA ticket, you've got him! These listings also include birth date. So if your KZ5-blah-blah is named Robert Smith, you can probably eliminate any Robert Smiths who were born after 1960, unless your Robert Smith was a military dependent kid ham.

This method is good for tracking down any US amateur who was hamming overseas at one time, but it is particularly good for KZ5's who were mostly US people.

Oh. And one last comment. This method is not limited to US hams -- it's just easier with US hams. For instance, if you are tracking down a card from Angola, go look in an old callbook and find the guy's name. Then go look at the Portugal listings (exhaustive search, yuck) in a current callbook. Then send the guy a letter and a QSL. Get the picture?

Trey Garlough
Computation Center, University of Texas, Austin, Texas 78712
trey@emx.CC.UTEXAS.EDU (internet) (512-471-3241)

From 8459787549982161229
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eb74f6708b759b84,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-19 08:47:09 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!cs.utexas.edu!asuvax!stjhmc!f1.n234.z1.fidonet.org!Jim.Grubs
From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Anthropology 101
Message-ID: <14912.2604E93E@stjhmc.fidonet.org>
Date: 19 Mar 90 14:09:12 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 66
Posted: Mon Mar 19 15:09:12 1990

> From: karn@ka9q.bellcore.com (Phil Karn)
>

> >[...] An American sergeant who was a ham found himself
> >in an isolated place in Europe without supplies. He called a ham in Germany

> >and asked him to deliver a message to headquarters. The ham in Germany did
> >better than that -- he turned out to be General LeMay and he sent out the
> >shipment himself.
>
> I had forgotten that LeMay was/is a ham. From my online callbook:
>
> Call: W6EZV
> Class: General
> Name: Curtis E Le May
> Mail addr: 1046 Pescador Dr
>   Newport Beach CA 92660
> Born: November 15, 1906 (age 83)
>
> The name and year of birth matches the info about him in "The Making of
> the
> Atomic Bomb", so this is probably him. Does anybody know if he's still
> alive?

Dunno, but that's him, all right.

>
> An interesting, if spooky character. The more I read about him, the more
> I'm
> convinced he was the inspiration for General Buck Turgidson (George C.
> Scott's character) in "Dr. Strangelove". On the other hand, from an
> incident
> documented in the PBS series "War and Peace in the Nuclear Age" in which
> he
> declared his intention to strike the USSR first if he saw the Russkies
> massing their planes (despite this not being US policy) perhaps he was
> the
> model for General Jack D. Ripper.

He was/is a real character, sure enough. The late Arthur Godfrey, K4LIB, who
was a general in the USAF Reserve, was a friend of his. He told of a hunting
trip he, LeMay, and others went on out west. They split up to cover more
territory. Godfrey spotted a deer and fired. He missed. He fired again. He
missed again. By this time the buck realized he was in no immediate danger from
Godfrey and proceeded to calmly walk across the clearing, grazing as he went.
Godfrey kept firing and missing, 6 or 8 shots all told. In disgust, Godfrey
gave up and went back to the place they had parked the Jeep. LeMay was there
chewing on his cigar and breaking down his rifle. Without looking up he calmly
asked "Well, Gen. Godfrey, did our boys take that hill?"

Art Collins had given LeMay a complete Collins SSB station for his home use and
LeMay was so impressed by the effectiveness of SSB that he became instrumental
in getting the Air Force to switch to SSB. Needless to say, this led to Collins
selling the government million$ in KWM-2's and 30L's.

>
> Barry Goldwater, Curtis LeMay... how come the hams who rise to prominent
> national positions always seem to be right wing extremists? :-) :-)

Just lucky, I guess.

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

From 6694259382882578455
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c9d5a264b4c71e27,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-19 10:31:34 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!husc6!genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: Ham Radio article in Worcester Telegram
Message-ID: <34034@genrad.UUCP>
Date: 19 Mar 90 13:20:57 GMT
Sender: news@genrad.UUCP
Lines: 15
Posted: Mon Mar 19 14:20:57 1990

Just thought I should mention that Ham Radio is again getting some free advertising. Worcester Telegram published a large article in the Sunday, March 18, 1990 paper about a local radio club. Mostly, it discussed the Emergency Preparedness aspect of ham radio, but also discussed some of the more fun things, like DXing, etc. It was a pretty good article and even had a picture of a local ham at his shack.....only one bad comment..... they spelled one of the names wrong....it's Cayen, not Caen. Ah, well...

(PS, for those who don't know, Worcester is in Massachusetts)

```
->Diana L. Syriac   CAP: SM, Freedom 690 Mobile    Ham: KC1SP(1 super pilot)<-
->USmail:   GenRad Inc., Mail Stop 6, 300 Baker Ave, Concord, Mass.  01742  <-
->usenet:   {decvax,mit-eddie}!genrad!dls      or dls@genrad.com
         <-
->tel:       (508) 369-4400 x2459    I'D RATHER BE FLYING!!!
             <-
```

From -7030812261401601661
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4656c8f33d082c09,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-19 16:17:08 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!decwrl!
From: reisert@victim.enet.dec.com (Jim -- LTN1-2/H03 -- DTN 226-6905 19-Mar-1990

1314)
Newsgroups: rec.ham-radio
Subject: Italy gets permission to operate on 50 MHz
Message-ID: <9003191809.AA23802@decwrl.dec.com>
Date: 19 Mar 90 18:09:57 GMT
Organization: Digital Equipment Corporation
Lines: 39
Posted: Mon Mar 19 19:09:57 1990

From Gian Moda, I7SWX   19-MAR-1990 03:18

**** ITALY ON 50 MHz ****

The Italian PTT has released to italian hams the 50MHz band, after long work of A.R.I. and a positive ok by the Italian Ministry of Defence, with a doc.n. 11422 dated 6 march 1990, but with the following conditions :

- Frequency : 50,157.5 MHz +/- 6,250 Hz with a total band of 12,5 KHz
- Maximum RF Output Power : 10 W
- Service : Secondary (this band is used by Army services)
- Authorization : Following a request to the PTT Authority by single operator or group of operators (only full privilage licencees)
- Time-period : 1 year with possible renewal.
- Modes : A1A (CW but no modulated telegraphy) and J3E (Single Side Band but only upper band : USB)
- Absolute frequency limits : 50,151.250 MHz and 50,163.750 MHz
- It is forbidden the activity of beacons, FM emission or other modes (Packet and others).

It is the beginning for italian hams but we must be very careful not to go "outside" of the PTT guidelines to avoid any possible negative reaction for the renewal and possible extension of band.

Soon (time to get the authorization) several italian call-sign will be heard on 50 MHz. Please spread the NEWS.

73 de I7SWX - Gian MODA (one of those that requested the special permit).

=-=

"The opinions expressed here in no way represent the views of Digital Equipment Corporation."

James J. Reisert   Internet: reisert@tallis.enet.dec.com
Digital Equipment Corp.   UUCP: ...decwrl!tallis.enet!reisert
295 Foster Street
P.O. Box 1123
Littleton, MA 01460

From 2133636585185424321
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,422114164eea83f4,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-19 16:18:47 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!zaphod.mps.ohio-state.edu!rpi!uupsi!cmcl2!lanl!opus!nmsei
From: nmsei@nmsu.edu (NM Solar Energy Inst.)
Newsgroups: rec.ham-radio
Subject: Downloading from WSMR-Simtel20
Message-ID: <NMSEI.90Mar19101549@nambe.nmsu.edu>
Date: 19 Mar 90 17:15:49 GMT
Sender: news@nmsu.edu
Distribution: rec
Organization: NMSU Computer Science
Lines: 11
Posted: Mon Mar 19 18:15:49 1990

As a novice user to networking in general, How do I get files from
WSMR-simtel? I have successfully connected as an anonymous FTP user,
but I am unable to acces the pd1 disk. Any suggestions?

```
--
Paul A. Hutchinson N5PCJ       Solar Research Engineer
Internet: nmsei@nmsu.edu       Bitnet: swres001@nmsu.bitnet
UUCP: ucbvax!nmsu.edu!nmsei    US Mail: BOX 3SOL,NMSU, Las Cruces NM 88003
Phone: (505) 646-1049          FAX: (505) 646-3841
```

Remember: Photons are Phorever!!!

From 5348466336941101915
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,297c390a5f337cf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-19 22:55:00 PST
Path: gmdzi!unido!mcsun!uunet!mnetor!tmsoft!masnet!canremote!dean.milner
From: dean.milner@canremote.uucp (DEAN MILNER)
Newsgroups: rec.ham-radio
Subject: Re: NPRM 90-55 - No test code
Message-ID: <90032010271489@masnet.uucp>
Date: 20 Mar 90 06:55:00 GMT
Organization: Canada Remote Systems Limited, Mississauga, ON, Canada
Lines: 32
Posted: Tue Mar 20 07:55:00 1990

```
%domestic HF privileges.  The international code test requirement does
%not apply to domestic communications.  Two simple solutions come to
%my mind:
%
%  1. give the Communicator class all the present Novice/Technician HF
%     privileges, but restricted to domestic communications only.
%
%  2. require Communicator class applicants to pass the General class
%     written exam, and give them all General class privileges,
%     but restricted to only domestic communications on HF.
```

%
%I prefer option 2, but option 1 is the least we can do, as I see it.

Sure, how do you police it? Remember that CB was supposed to be
"domestic communication only" and "line of sight" only. Now you can
hear just as good DX on 11 metres as you can on 20!

Just a personal opinion but if children of 7 years of age, and people
of 75 years of age can learn International code at 10 wpm (the current
Canadian requirement for HF priviledges) then I don't see how anyone
can not learn it at 5 wpm! A lot of the trouble is that people just
don't want to be told you *have* to do something. Just an opinion.

BTW, I am not an objector to a no-code intro level licence, there is a
VHF only n0-code going into effect here next September and I think it
will be a benefit to the hobby but I can see all sorts of problems with
a no-code HF licence.

73, Dean VE1CBF

 ~ EZ-Reader 1.21 ~ If you can't convince them, confuse them.....
 ~ QNet 2.04: :NANet: MUI Sydney, N.S. Cape Breton Regional (902) 564-5022

From -8744175947413358058
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6ec7bd74cc493f9b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-19 22:55:00 PST
Path: gmdzi!unido!mcsun!uunet!mnetor!tmsoft!masnet!canremote!dean.milner
From: dean.milner@canremote.uucp (DEAN MILNER)
Newsgroups: rec.ham-radio
Subject: Re: QSL Cards
Message-ID: <90032010271511@masnet.uucp>
Date: 20 Mar 90 06:55:00 GMT
Organization: Canada Remote Systems Limited, Mississauga, ON, Canada
Lines: 24
Posted: Tue Mar 20 07:55:00 1990

To: jneher@tenorman.Sun.COM (Jonathan Neher X62863)

S6Does anybody have a recommendation for a qsl card
S6maker? I just got my ticket and have already started
S6receiving some from others so I guess I need to get some
S6soon. I've seen some little adds in the magazines, but
S6I'm looking for personal recommendations.

Well, for price/quality/value I'd go with W4MPY's cards. The quality
is good, the price is reasonable. The quality/price ratio is also good
for K2RPZ Print. There is also an excellent printer in the UK but with
the cost of the pound and shipping it isn't worth it any more.

Personally, I use my local printer. I looked through my cards and found a reasonable design, took it to him and he made up a proof before printing it and the cost was better than anything I could mail order.

Hope it helps!

73, Dean VE1CBF

~ EZ-Reader 1.21 ~ Expenditures rise to meet income............
~ QNet 2.04: :NANet: MUI Sydney, N.S. Cape Breton Regional (902) 564-5022

From -1384315938669478486
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b21d748510fa969a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-19 22:55:00 PST
Path: gmdzi!unido!mcsun!uunet!mnetor!tmsoft!masnet!canremote!dean.milner
From: dean.milner@canremote.uucp (DEAN MILNER)
Newsgroups: rec.ham-radio
Subject: Re: Morse code trainer for pc
Message-ID: <90032010271439@masnet.uucp>
Date: 20 Mar 90 06:55:00 GMT
Organization: Canada Remote Systems Limited, Mississauga, ON, Canada
Lines: 77
Posted: Tue Mar 20 07:55:00 1990

To: XB.P07@forsythe.stanford.edu (Bryan Pfaffenberger)
Subj: Ham Operator Profile

Bryan,

Interesting as I did something similar during my undergrad work in social psychology.

>a) What are the distinctive social values of ham radio people? Do
>they tend to prefer hierarchical or egalitarian group structures?

Generally, groups within the hobby (clubs etc) are egalitarian structures. There is a minor heirarchy in the sense that those in the hobby longer tend to find themselves in a "mentor" capacity on occasion. Special groups such as those involved directly in emergency public service work have a more heirarchical structure but this is more of a necessity imposed by function than desire (although like any group of people hams are not immune from the desire to be boss <grin>).

>b) How to ham radio people relate to technology? Is there a
>sharing ethic like one finds in computer user's groups?

Many computer users groups started as groups of ham operators. The local commodore group is a public spinoff of the local radio club's user group - the first in our area. The sharing ethic is very evident in the hobby in general. Many advances in technology in the past and in the present have come from hams, either through their hobby or their jobs. Many are engineers, technicians and technologists. Many are involved in aerospace and have had a major impact on sattelite research.

>c) What are the ideals of social service that ham radio people
>espouse? Is involvement with the technology supposed to serve some
>greater good than just amusing oneself with a fascinating and
>rewarding hobby?

This question will elicit many responses. The old premise underlying the hobby was one of providing experimentation and developement in radio related fields and in providing a trained and knowledgeable cadre of radio operators in times of emergency. While much of the experimentation has been diluted for many hams there are many more who enjoy developing new applications and uses for the technology available. Most operators are willing to help out in emergencies and public service and many go out of their way to do so.

>Sorry for the naivete of these questions! But that's what makes
>good anthropology--you're brave enough to ask dumb questions. Will
>appreciate all responses.

Not naive at all for those not involved with the hobby. Most of us love to sit and talk be it about ham radio or anything else and you are likely to get many responses of varying nature.

The above opinions are those of myself and many friends I have met both personally and on the air over the years. There are differing opinions on some points, especially whether or not we serve some greater good, but this is the nature of man.

>"To the degree that he masters his tools, he invests the world with
>his meaning; to the degree that he is mastered by his tools, the
>shape of the tool determines his own self-image." Ivan Illich

It could be said the above applies to ham radio operators, a very apt quote Bryan.

Hope to chat on the air someday.

73(Best Wishes), Dean VE1CBF

Wm. Dean Milner
CEO, Phoenix DataComm
dean.milner@canremote.uucp
CIS 73757,2627

~ EZ-Reader 1.21 ~ Variables won't, constants aren't...........
~ QNet 2.04: :NANet: MUI Sydney, N.S. Cape Breton Regional (902) 564-5022

From 8552576690974264627
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6a8c75c00f47e6bf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-19 23:02:01 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!rpi!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!uflorida!haven!decuac!shlump.nac.dec.com!carafe!goldstein
From: goldstein@carafe.enet.dec.com (Fred R. Goldstein)
Newsgroups: rec.ham-radio
Subject: Re: BIT RATE SPEEDS - WORLD RECORDS ??
Message-ID: <9386@shlump.nac.dec.com>
Date: 19 Mar 90 20:43:46 GMT
Sender: newsdaemon@shlump.nac.dec.com
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 45
Posted: Mon Mar 19 21:43:46 1990

In article <9003160819.AA16137@ucbvax.Berkeley.EDU>,
RHAREL%FAB8@SC.INTEL.COM ("RICHARD HAREL CAL.LAB INTEL") writes...
>Can anyone give me some feedback as to what speeds data transfer is
>achieving these days over:
>a. Conventional Telephone lines

Given a 30 dB S/N ratio and 2.6 kHz usable bandwidth, Shannon says you get about 26000 bps LIMIT (theoretical, not achievable) of modem technology. Contemporary voiceband dial-up modems (V.32) get 9600 bps but send and receive over the same wire. Private line modems go up to 19200 bps. Not bad. Compare that to your average TNC.

>b. Leased data lines

Telco will sell you a DS3 circuit at 44.7 Mbps. Over glass, of course. Copper typically goes to 1.544 Mbps (US) or 2.048 Mbps (Europe).

>c. RF (mainly microwave)

Northern Telecom has announced a radio (using 512QAM modulation, not simple stuff) running at 4 or 11 GHz with a bit rate of about 310 Mbps. I think the channel bandwidth is about 70 MHz, maybe smaller. Compare that to your average TNC! With 16PSK, though, 3 bits/Hz is common.

>Is anyone doing some experiments out there digitizing voice and then
>transferring it at high speeds via RF ???

RF is inherently an analog medium; digital radio is quite practical but tends to cost a bit to get started in, plus eats fair dinkum bandwidth. The telcos use quite a bit of it. Digital cellular radio is also coming; hams are as usual on the trailing edge of the technology. (But hey, we make great keyers!)

It's probably not legal for hams here in Gringonia, since the ARRL went ape-chara a decade or so ago when the FCC said they'd rather regulate

bandwidth than emission types. The ARRL said, basically, "SPARK FOREVER"
and so you can't just run any narrow mode on the ham bands here in W/K/N
land if you want to stay legal.
   fred k1io

```
Fred R. Goldstein   goldstein@carafe.enet.dec.com
                 or goldstein@delni.enet.dec.com
                    voice:  +1 508 486 7388
I speak for me.  Sharing requires permission.
```

From -5904614126514435492
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7fb63c886cf297f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-19 23:34:51 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!tjw
From: tjw@unix.cis.pitt.edu (TJ Wood WA3VQJ)
Newsgroups: rec.ham-radio
Subject: Re: Forgiving the League for Incentive Licensing
Message-ID: <22959@unix.cis.pitt.edu>
Date: 19 Mar 90 22:48:53 GMT
References: <9003091756.AA04315@ti.com> <4063@kd4nc.UUCP>
Reply-To: tjw@unix.cis.pitt.edu (Terry J. Wood)
Organization: Univ. of Pittsburgh, Comp & Info Services
Lines: 26
Posted: Mon Mar 19 23:48:53 1990

In article <4063@kd4nc.UUCP> ke4zv@kd4nc.UUCP (Gary Coffman) writes:
>I found other things to occupy my limited spare time than amateur
>radio after I was told I had to take two more tests to get BACK what I
>had already earned.

You know, I've heard my mother gripe about the same thing! Seems that W3WKD had better things to do (like raising 2 kids) than increase her code speed. She holds the Advanced class, but feels cheated!

She still maintains that her "Class A" license was the tops and that she finished the test 1/2 hour ahead of W3WJK,(her husband, my dad) who got the alphabetically-early call due to the "first-in/last-out" phenomenon of stacking your test in the examiner's in-basket!

She also likes to complain that she had to draw the circuits on the test NOT just pick multiple choice.

Yea, I'm not sure what gripes her more: Insentive licensing or my Dad's call. ;-)

73s de WA3VQJ
--
INTERNET: tjw@unix.cis.pitt.edu BITNET: TJW@PITTVMS CC-NET: 33802::tjw
UUCP: {decwrl!decvax!idis, allegra, bellcore}!pitt!unix.cis.pitt.edu!tjw

And if dreams could come true, I'd still be there with you,
On the banks of cold waters at the close of the day. - Craig Johnson

```
From 8162990082686746391
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc25f6131052cc5a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,901c7577c4a324d0,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-03-19 23:46:43 PST
Path: gmdzi!unido!mcsun!ukc!newcastle.ac.uk!turing!q1ssd
From: C.Dennison@newcastle.ac.uk (C. Dennison)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re:  Call for discussion - rec.arts.tv.catv
Message-ID: <1990Mar19.122944.1969@newcastle.ac.uk>
Date: 19 Mar 90 12:29:44 GMT
References: <9003160821.AA16281@ucbvax.Berkeley.EDU>
Sender: news@newcastle.ac.uk
Organization: Computing Laboratory, U of Newcastle upon Tyne, UK NE17RU
Lines: 41
Xref: gmdzi rec.ham-radio:10288 rec.radio.shortwave:721
Posted: Mon Mar 19 13:29:44 1990
```

In article <9003160821.AA16281@ucbvax.Berkeley.EDU> wmartin@STL-06SIMA.ARMY.MIL
(Will Martin) writes:
>>| catv = community access television (not "cable tv")
>>I think if you go back to ancient times, you will find that it stands
>>for "community ANTENNA television".

>Right. As opposed to "MATV" which is "Master-antenna television", when
>an apartment house or ^ other multiple-dwelling unit had their own
>antenna farm, distribution amps & splitters, and internal cabling to
>each unit.
>   In the industry, "catv" is now used to refer to cable tv generically.
>If you are buying broadband LAN cable and splitters, say, you look at
>"catv catalogs" for that stuff.
>   Anybody using the term to mean "community access" probably works in that
>activity, and such usage is limited in scope and would not be recognized
>in the general video industry. If THAT is what this proposed USENET
>newsgroup is to discuss, the name should be rec.arts.tv.community or
>something specific like that. (I thought of suggesting "rec.arts.tv.commun"
>but figured that would be interpreted as "communist tv"... :-)
>

Well I suggested a while ago the idead of 'rec.tv.cable' and it seems that there is a great deal of ambiguity as to what would be infered from the various group names. Instead of arguing about the name being used for cable TV or communinty access TV, why not have the following:

1) 'rec.tv.cable' : a discussion group for cable tv
2) 'rec.tv.community-access' : a discussion group for community access tv

This seems a pretty common sense solution to both parties - those that think the original group name should be for cable tv, and those that thought it should be for community access tv. Two groups for two different interests.

What does everybody else think?!

Chris

```
+ Computing Science Dept, University of Newcastle | All opinions expressed     +
+ Newcastle upon Tyne, UK, NE1 7RU (091 265 2486) | are mine and mine alone!   +
+ ARPA: C.Dennison@newcastle.ac.uk                |      Chris Dennison        +
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
```

From -922723103101998888
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,406b62bfa2290c5e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-20 00:30:28 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!lll-winken!sun-barr!newstop!texsun!smunews!ti-csl!osage!hoenig
From: hoenig@osage.csc.ti.com (Mike Hoenig)
Newsgroups: rec.ham-radio
Subject: Visiting
Message-ID: <115490@ti-csl.csc.ti.com>
Date: 19 Mar 90 21:21:17 GMT
Sender: news@ti-csl.csc.ti.com
Organization: TI Computer Science Center, Dallas
Lines: 10
Posted: Mon Mar 19 22:21:17 1990

I will be visiting the Boston area between 3/31 and 4/8/90, and would like any information on where to go/what to do/who(m) to see while there. I'll have my Kenwood TH-75 with me, so any good info concerning repeaters to monitor would be appreciated. I don't know anybody in that part of the country, and I'm certain I'll find the same friendly people I find here, on the Amateur bands.

Looking forward to meeting some of y'all (that's Texican for "youse guys").

Mike Hoenig, N5LTL
Have Ticket, Will QSO

From 5302383663994175352
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92b1a83cc53d0fac
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-20 02:31:25 PST
Path: gmdzi!unido!mcsun!uunet!mdcbbs!tacvax.mdcbbs!belsky
From: belsky@tacvax.mdcbbs.com
Newsgroups: rec.ham-radio
Subject: Re: beginner questions

Message-ID: <614.2604dcbc@tacvax.mdcbbs.com>
Date: 19 Mar 90 13:20:59 GMT
References: <48.26036d4f@wsuiar.uucp>
Organization: McDonnell Douglas M&E, Cypress CA
Lines: 27
Posted: Mon Mar 19 14:20:59 1990

In article <48.26036d4f@wsuiar.uucp>, pxgovind@wsuiar.uucp writes:

> Hi everybody,
>
> I am a beginner to HAM and don't know where to start.
> Are there books that would help me start?
> Is there an exam that HAM users take (for acquiring license maybe)?
> I am in Wichita KAnsas, Is here a group that I can get in touch with?
> Please suggest a low cost equipment that would weather the trials of
> a beginner!
> Please e-mail me at
>
> pxgovind@twsuvax (on the BITNET).
>
> Thanks in advance g.prakash

A good place to start is the ARRL (American Radio Relay League). I don't have the address handy but their phone # in Connecticut is (203) 666-1541. Tell them that you're interested in Ham radio and where you're located and they should be able to help you from there. Another place for books, etc. is the local Radio Shack. They don't always have info but they may be able to point you to some local hams. Good Luck

--

David Belsky - N6UDI
uucp!mdcbbs!belsky
McDonnell Douglas Systems Integration Co.

From -8855096329757642962
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,71ccba4c84034456
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-20 06:30:34 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!tjw
From: tjw@unix.cis.pitt.edu (Terry J. Wood)
Newsgroups: rec.ham-radio
Subject: Re: Bad operators and dangerous DXing
Keywords: contests RFI guns
Message-ID: <22970@unix.cis.pitt.edu>
Date: 20 Mar 90 04:36:06 GMT
References: <9003021656.AA29819@ucbvax.Berkeley.EDU> <656@west.West.Sun.COM> <21316@netnews.upenn.edu> <25612@ut-emx.UUCP>
Reply-To: tjw@unix.cis.pitt.edu (Terry J. Wood)
Organization: Univ. of Pittsburgh, Comp & Info Services

Lines: 22
Posted: Tue Mar 20 05:36:06 1990

In article <25612@ut-emx.UUCP> trey@ut-emx.UUCP (Trey Garlough) writes:
>> that made the incident stand out is that she was carrying a loaded rifle,
>> had it pointed at my chest from four feet away, threatened to shoot up the
>> station, and threatened to kill us unless we went off the air.

>I *hate* it when that happens. :-)

Yea, me too. Spoils your whole day!

When I was a kid, a neighbor came over and started screaming at my mom
about how my dad was tearing up his TV reception. She tried to explain
that my dad wasn't even home, but he wouldn't listen. He just kept
screaming -- until dad pulled into the driveway! One embarrased
neighbor! Turns out that his other neighbor was fixing up the basement
with a powersaw.

Terry
--
INTERNET: tjw@unix.cis.pitt.edu BITNET: TJW@PITTVMS CC-NET: 33802::tjw
UUCP: {decwrl!decvax!idis, allegra, bellcore}!pitt!unix.cis.pitt.edu!tjw
 And if dreams could come true, I'd still be there with you,
 On the banks of cold waters at the close of the day. - Craig Johnson

From -8702928474589921317
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7fb63c886cf297f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-20 06:36:27 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!snorkelwacker!
tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!samsung!uunet!cadnetix.COM!
cadnetix!rusty
From: rusty@cadnetix.COM (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: Re: Forgiving the League for Incentive
Message-ID: <11781@cadnetix.COM>
Date: 19 Mar 90 23:09:32 GMT
References: <9003162057.AA03933@ti.com> <4116@kd4nc.UUCP>
Sender: news@cadnetix.COM
Reply-To: rusty@cadnetix.COM (Rusty Carruth)
Organization: Cadnetix Corp., Boulder, CO
Lines: 20
Posted: Tue Mar 20 00:09:32 1990

In article <4116@kd4nc.UUCP> ke4zv@kd4nc.UUCP (Gary Coffman) writes:
>
>.... Lids are a reflection of society's failure to integrate
>these people into the socially accepted norms of behavior.
>
Lets just say that not everybody agrees with that conclusion, but

I do agree pretty much with everything else Gary said about testing not being able to weed out those who would intentionally be lids.

(Anyone wishing to further discuss what causes lids (society, human nature, 'sin', nothing, whatever), lets take that one to email. If enough people want it, maybe we can set up a mailing list? Nah, there won't be that many... In any case, replies concerning the causes of lids PLEASE VIA EMAIL, I suggest everyone ignore any posted flames about it...)

```
---Join the usenet un-net, 28.410 and/or 28.390(+-) 1700Z to 1900Z saturdays!
Rusty Carruth.                  Radio: N7IKQ                 ^^ or later :-)
DOMAIN: rusty@cadnetix.com      UUCP:{uunet,boulder}!cadnetix!rusty
home: POB. 461, Lafayette CO 80026
```

From 7363289627030035840
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,346e9a4893cd3933,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-20 06:36:54 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!snorkelwacker!usc!samsung!uunet!cadnetix.COM!cadnetix!rusty
From: rusty@cadnetix.COM (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: last saturday! Wow!
Message-ID: <11785@cadnetix.COM>
Date: 20 Mar 90 00:24:17 GMT
Sender: news@cadnetix.COM
Reply-To: rusty@cadnetix.COM (Rusty Carruth)
Lines: 36
Posted: Tue Mar 20 01:24:17 1990

Well, if you were not on HF last weekend, you really missed out!

As 'usual' (or at least, as 'usual' as I can make things be), I was on at the 'usual' time trying to do the un-net. Well, let me tell you, when I heard DZ's and ML's and all that good stuff calling CQ, I'm afraid I never got around to calling cq for the unnet, my apologies (I even heard one 'rare DX' person calling CQ and NOT GETTING ANSWERED!!!!! Too bad he could not copy me when I replied - he could tell I was there and that was it...)

Anyway, I logged 2 German stations, and one Lithuanian on 10 meters last saturday! My first European station!!!!

Anyway, if you've got an HF rig, and you weren't on last Saturday, well, you really missed out.

(All this with about 100 watts into a 5/8 wave groundplane mounted about 30 feet off the ground! ON SSB!)

(Editors note: please excuse my excitement, but I never thought I'd ever work "real dx" until I upgraded and had 'real power', or switched to CW, or a 'real antenna', or .....)

(Claimer: editor == me) :-)

Which reminds me - I had an email message a while back which said that I should not work HF SSB because it would ruin my upgrading. Not so! Making contacts on HF only makes me fear the time when 10m becomes a local-only band... No way do I want to be a Tech when the sunspots change! This is too much fun!

---Join the usenet un-net, 28.410 and/or 28.390(+-) 1700Z to 1900Z saturdays!
Rusty Carruth. Radio: N7IKQ ^^ or later :-)
DOMAIN: rusty@cadnetix.com UUCP:{uunet,boulder}!cadnetix!rusty
home: POB. 461, Lafayette CO 80026

From -4431720993090151035
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,baf55c0c6f1f0efe,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-20 06:45:09 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!news-server.csri.toronto.edu!utgpu!watserv1!watmath!att!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: Australian ATV
Keywords: ATV Australian TV Video
Message-ID: <752@tsdiag.ccur.com>
Date: 19 Mar 90 18:31:50 GMT
Organization: CONCURRENT,ENG. SERVICES,OCEANPORT NJ
Lines: 21
Posted: Mon Mar 19 19:31:50 1990

What a coincidence that this subject is being kicked around just now! I'm planning to do something similar around here. I plan on putting an ATV transmitter on a local tall building (I live VERY close to the beach) so that I can watch the ships go by :-). I'm also planning on using 427.25 as the video carrier so that I can receive these pictures on channel 58 on my cable ready TV (and VCR) without the need for a converter. Right now I plan on trying out the KPA5-E 1 watt transmitter. This should give me reasonable picture quality without QRM'ing anyone else. I also want to have an onboard touch tone (tm) decoder so that I can turn the xmitter on/off, pan left/right/up/down, zoom in/out, etc. If you're interested in where I live (to see if you can receive this) look at my ICBM coordinates in my .sig - they're correct. If there's any local interest from the local hams, I may try and boost the transmitter power so that others could receive it. Any help from experienced ATV'ers is more than welcome - so are suggestions from the peanut gallery.
--
David E. Tiller davet@tsdiag.ccur.com | Concurrent Computer Corp.

```
FAX:  201-870-5952      Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 52" N      73 59' 00" W           | N2KAU @ NN2Z
```

From 3934049188806635538
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,96626ba2a1e7ddc0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-20 07:01:20 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!snorkelwacker!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: German Amateur Radio
Keywords: unification
Message-ID: <23586@usc.edu>
Date: 20 Mar 90 07:46:23 GMT
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 13
Posted: Tue Mar 20 08:46:23 1990

After the inevitable German (re-) unification, what will happen to German Amateur radio?

I am curious about how callsigns will be handled? Will amateurs in the GDR want FRG callsigns to hide that they are in the East? Will they want to keep their GDR callsigns? What about new callsigns; how will they be allocated?

How will the licensing structures be affected? (What exactly are the licensing structures currently?) Will an entirely new licensing structure be set up, or will the existing structures somehow be merged?

```
Ken Hendrickson N8DGN/6      kjh@usc.edu      ...!uunet!usc!pollux!kjh
```

From -4960067415082729646
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b322bc19de879264,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-20 07:01:36 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!snorkelwacker!tut.cis.ohio-state.edu!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: New British Callsign Scheme
Message-ID: <9003191828.AA26436@cmr.ncsl.nist.gov>
Date: 19 Mar 90 18:28:51 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
     formerly National Bureau of Standards

Lines: 29
Posted: Mon Mar 19 19:28:51 1990

NEW CALLSIGN SERIES FOR BRITISH HAMS
(Extracted from March 1990 Radio Communications)

....
At present all UK callsigns begin with the letter G. However, both the
present Class A (with code) series, G+0+3 letters, and the Class B (no code)
series, G+7+3 letters, are rapidly running out. ("5" will be issued for
Class B when the "7"s have run out.)
The Dept of Trade and Industry (DTI) plan to go to callsigns beginning with
the letter "M" for ALL new licences of both classes when EITHER the present
Class A or Class B series runs out.
In the M series, the number will indicate the UK country, and a letter will
indicate the licence class, ie: 2=England, 3=Scotland,4=Wales,5=GI,6=GD,
7=GJ, 8=Guernsey, 1,9,10=spare.
Calls will be like MA2AAA, which would be MA3AAA if the station moved to
Scotland. The MB prefix will be used for special events, and MC for clubs.
MA and MD-MJ will be Class A, MK-MZ for Class B.
The new Novice versions of the Class A and B licences will use the prefix
"2" instead of "M", ie 2A2AAA or 2K3AAA, etc.
The DTI are proposing to allow certain club stations to send greetings
(third-party) messages. This will be indicated by present G
club prefixes being changed to GX for clubs having this privilege, and
GM to GS, GW to GC, etc. Note that use of the new call is only mandatory
for periods during which greetings messages are being sent.
.... etc ....

Who said that the American callsign scheme is complicated ??????

73, Bob W3OTC

From -5205882423829507481
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b567d82dba93cef0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-20 07:01:44 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!snorkelwacker!
tut.cis.ohio-state.edu!ucbvax!TAMVENUS.BITNET!JWJ2047
From: JWJ2047@TAMVENUS.BITNET
Newsgroups: rec.ham-radio
Subject: Sony Air 8 Mods
Message-ID: <9003200810.AA28443@ucbvax.Berkeley.EDU>
Date: 19 Mar 90 20:12:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Mon Mar 19 21:12:00 1990

Howdy!
I have a Sony Air 8 receiver and am wondering if anyone out there

has any information on mods for increased frequency coverage especially on in the 174 and up and in the shortwave areas. There was one time that I was able to tune wwv @ 5 MHz due to an error resulting from a low battery but is there another way that is readily accessable.

Thanking you in Advance

Joe Jurecka - N5PYK
JWJ2047@TAMVENUS

From 4962581660589581132
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eb74f6708b759b84
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-20 07:03:34 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!bellcore!ka9q.bellcore.com!karn
From: karn@ka9q.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: LeMay
Message-ID: <21093@bellcore.bellcore.com>
Date: 20 Mar 90 05:00:39 GMT
References: <14912.2604E93E@stjhmc.fidonet.org>
Sender: news@bellcore.bellcore.com
Reply-To: karn@ka9q.bellcore.com (Phil Karn)
Organization: Secular Humanists for No-Code
Lines: 44
Posted: Tue Mar 20 06:00:39 1990

In article <14912.2604E93E@stjhmc.fidonet.org> Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs) writes:
>Art Collins had given LeMay a complete Collins SSB station for his home use and
>LeMay was so impressed by the effectiveness of SSB that he became instrumental
>in getting the Air Force to switch to SSB. Needless to say, this led to Collins
>selling the government million$ in KWM-2's and 30L's.

That clinches it, Turgidson == LeMay. From Dr. Strangelove:

General Turgidson:
"If you'll recall, sir, one of the provisions of Plan R provides that once the, uh, go code is received, the normal SSB radios in the aircraft are switched into a special code device which I believe is designated as CRM-114..."

I'm still waiting for a CRM-114 to show up at the Dayton fleamarket. I've seen the B-52s in the Puma Air Museum (Tucson AZ) and the Air Force Museum (Dayton OH) but unfortunately they seem to have been gutted of all their electronics. :-)

As far as LeMay goes, read this quote from p280 in "War and Peace in the Nuclear Age" (ISBN 0-394-56217-8). In all seriousness, it's one of the most chilling things I have ever read.

"In September 1957, LeMay briefed two visiting members of Eisenhower's Gaither Committee: Robert C. Sprague, an electronics manufacturer who had also served on the Killian panel, and Jerome Weisner, who became Kennedy's science adviser and later president of MIT. Sprague noted a wall chart showing the response time of SAC's bombers; it seemed to suggest that none of them would get off the ground by the time Soviet bombers were picked up by the early warning network in Canada. Sprague and Wiesner each recalls LeMay affirming that view but adding: 'I will know from my own intelligence whether or not the Russians are massing their planes...for a massive attack against the United States.' And he said, 'If I come to that conclusion, I'm going to knock the shit out of them before they get off the ground.'"

"'General, that isn't national policy,' Sprague remembers saying. 'You know that.' LeMay, he says, replied, 'No, it's not national policy, but it's my policy.'"

I submit this as further evidence that having passed a code test doesn't necessarily make one more likely to accept government rules and regulations. :-)

Phil

From 6113034671149321116
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,63aded2b1288fc27
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-20 07:15:44 PST
Path: gmdzi!unido!mcsun!uunet!cadnetix.COM!cadnetix!rusty
From: rusty@cadnetix.COM (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: FAIR INTERNATIONAL DX CONTEST
Message-ID: <11782@cadnetix.COM>
Date: 19 Mar 90 23:23:15 GMT
References: <594.25FFD914@weyr.FIDONET.ORG>
Sender: news@cadnetix.COM
Reply-To: rusty@cadnetix.COM (Rusty Carruth)
Organization: Cadnetix Corp., Boulder, CO
Lines: 52
Posted: Tue Mar 20 00:23:15 1990

In article <594.25FFD914@weyr.FIDONET.ORG> katz@weyr.FIDONET.ORG (sylvan katz) writes:
>[NOTE: Message modified, 15 Mar 90 11:47:54]
>I have had a number of replies and suggestion about how to create a fair DX contest.
>However most of these have been through private mail. Maybe if we could open up this
>discussion for all to see we might be able to generate enuff ideas to get the
>momentum to have one of the large ARS organizations pay attention and actually
>formally sponsor a "FAIR INTERNATIONAL DX CONTEST" which anyone in any location

>with any equipment would have a shot at winning. Let's not forget that there is
>no doubt that unless

<article partially eaten here>

> operator is competent and competitive no matter the location or equipment there
> will be no chance of winning. All suggestions and discussion welcome.
>
>73's & GUD DX - VE5ZX (Syl)
>
>--
>Sylvan Katz   Ham: VE5ZX
>203 Ball Crescent   UUCP: alberta!dvinci!weyr!katz
>Saskatoon, Sask   Internet: katz@weyr.FIDONET.ORG
>Canada S7K 6E1   Ham bands: below 14.025/21.025/28.025 @ 0100-0300Z
>(306) 934-3168

Well, I took the liberty of re-posting the entire article since I understand that news articles with very long lines can get truncated. I hope nobody minds!

Anyway, I'll drop in my $.02 worth...

First, to Sylvan: How about posting a summary of what you have gotten so far?

I wonder about having a 'negative multiplier' for the more power you run, or other factors which increase your ability to make contacts? Not something which will totally negate the improvements, but which will at least level out the playing field a bit! Either that or limit total power to 200 watts. Why put novices and techs at a disadvantage? (Is that part of the reason for the 'novice roundup' contest (is that the name?), to give novices and techs someone to talk to?) That way, skill will play a little bigger part.

I don't suppose 'official observers' (:-) would work as a means of watching for those who do not id? How about allowing people involved to send in a list of those who were not obeying the rules (whatever they may be), and then using some kind of filter (minimum number of complaints, whatever) to weed out the false reports?

Well, enough stream-of-consciousness rambling for now, lets have somebody who knows what they are talking about post something USEFUL!!!!!   :-)

---Join the usenet un-net, 28.410 and/or 28.390(+-) 1700Z to 1900Z saturdays!
Rusty Carruth.   Radio: N7IKQ   ^^ or later :-)
DOMAIN: rusty@cadnetix.com   UUCP:{uunet,boulder}!cadnetix!rusty
home: POB. 461, Lafayette CO 80026

From 2399008428081915697
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eb74f6708b759b84
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-20 07:32:05 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!zaphod.mps.ohio-state.edu!tut.cis.ohio-

state.edu!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com (DUBE TODD)
Newsgroups: rec.ham-radio
Subject: Anthropology 101
Message-ID: <9003192059.AA25965@ti.com>
Date: 19 Mar 90 20:57:54 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 25
Posted: Mon Mar 19 21:57:54 1990

Phil Karn asks "how come the hams who rise to prominent national positions always seem to be right wing extremists?"

Maybe all those folk in the middle prefer them to left-wing extremists :)

General LeMay put together the most awesome air strike force ever known. For more than 40 years this force, the Strategic Air Command, has managed to conduct thousands of operations involving nuclear weapons without ONCE ever having a serious mishap. Under LeMay's guidance, the most knowledgeable highly disciplined, and competent military force ever assembled has been THE most effective deterrent to global warefare. The B36 bomber was the first global bomber. Its very existence provided the psychological reason to think twice about any subsequent (to Pearl Harbor) attack on the U.S. When the B36 became to low and slow, there followed the B47 and B52. The B58, first supersonic hi-altitude bomber was "un-defendable" during its day and so, also, was an effective deterrent.

Except for the B52, which was used in the Viet Nam war, NONE of these ever fired (excuse me) dropped a weapon in anger. I believe that this stands in obvious testimony of his dream (yes, "right wing extremists" have dreams of peace too). It is no accident that the sign (humorously portrayed in Dr. Strangelove) "PEACE IS OUR PROFESSION" stands proudly at the entrance to every SAC base.   Class dismissed........

Dube Todd   N5PDK

From 1171148938436822631
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7b0efd57a8b188f8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-20 09:22:00 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!snorkelwacker!tut.cis.ohio-state.edu!ucbvax!UTKVX3.BITNET!BRUCEH
From: BRUCEH@UTKVX3.BITNET
Newsgroups: rec.ham-radio
Subject: Laser Diodes
Message-ID: <9003210803.AA11499@ucbvax.Berkeley.EDU>
Date: 20 Mar 90 17:22:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 33

Posted: Tue Mar 20 18:22:00 1990

From: UTKVX::BRUCEH 20-MAR-1990 12:20:03.08
To: Orig_To! wsmr-simtel20.army.mil, BRUCEH
CC:
Subj: Laser Diodes

Thanks to Dave for his reply. I've gotten a little more info. since my posting. There are several places to buy the visible laser diodes, but everyones prices are HIGH! The cheapest i've seen is $113.00! The following is a list of part numbers, manufacturers, etc.

Toshiba TOLD-9200 (price about $165.00)
Toshiba 9201 gain guided (price about $113.00)
Toshiba 9211 index guided (much better diode) price about $131.00

NEC NDL-3200 (i don't have any more info)

Marshal Electronics of Huntsville (205-881-9235) has the 9201 and 9211 in stock at the above prices. I don't know anymore about them except that they have the diodes!

From talking to people and reading, I have gathered that the diode itself needs to be used with some type of collimator to get what we think of as a beam of laser light. There are several companies that offer an entire assembly with battery pack, etc. for $300-$500. If anyone is interested in this, drop me some e-mail. These diodes look to be interesting and useful, but i'll wait until the price drops. Most all of them operate in the 670 nm range, but that is dropping towards the 620 range (where the standard HeNe laser operates, i think).

Bruce Harrison WB4MJG
Univ. of Tennessee at Martin
BRUCEH@UTKVX (bitnet)

From -4731838016393187120
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a765f479e2f5eb47,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-20 10:12:00 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!snorkelwacker!tut.cis.ohio-state.edu!ucbvax!ALDERAAN.SCRC.SYMBOLICS.COM!Ed
From: Ed@ALDERAAN.SCRC.SYMBOLICS.COM (Ed Schwalenberg)
Newsgroups: rec.ham-radio
Subject: Electromagnetic Fields
Message-ID: <19900320181206.0.ED@PEREGRINE.SCRC.Symbolics.COM>
Date: 20 Mar 90 18:12:00 GMT
References: <3265@optilink.UUCP>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 35

Posted: Tue Mar 20 19:12:00 1990

> Date: 20 Mar 90 15:56:34 GMT
> From: epicb!david@uunet.uu.net (David Cook)
>
> Ok all you electromagnetic fiends... read the book CURRENTS OF DEATH...
>
> Date: 19 Mar 90 18:27:47 GMT
> From: optilink!elliott@uunet.uu.net (Paul Elliott x225)
>
> The June 12, 1989 issue of _New_Yorker_ began a series called "Annals of Radiation", the first subtitled "The Hazards of Electromagnetic Fields".

The New Yorker published a serialized version of the book. In other words, these are the same material by the same author, Paul Brodeur.

> The _New_Yorker_ is obviously not a prime scientific source, and I would like to see a rebuttal or follow-up (perhaps in the later issues?... haven't seen them).

There was a "rebuttal" in Forbes in about August or September. It wasn't worth reading - it was just a flame.

> Anyway, read them if you get the chance.

I agree that it's well worth reading. It's easy to either believe it and get scared, or dismiss it as paranoid. It's much harder (but more valuable) to read it analytically and discover what your own prejudices are. I don't know of any other books on this material; one could check out Brodeur's bibliography if one were sufficiently motivated.

I believe Brodeur also wrote the article in the New Yorker a few years ago on the relationship between low-level microwave exposure and cataracts. Again, the emphasis was on the "Oh, that can't possibly happen" attitude of organizations like the Air Force.

From 8418515161609174850
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,86555ebff2795944,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-20 16:20:44 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!uicsrd.csrd.uiuc.edu!look
From: look@uicsrd.csrd.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Wanted: HR-2B manual/schematics
Message-ID: <54900009@uicsrd.csrd.uiuc.edu>
Date: 20 Mar 90 10:39:16 GMT
Lines: 7

Nf-ID: #N:uicsrd.csrd.uiuc.edu:54900009:000:221
Nf-From: uicsrd.csrd.uiuc.edu!look   Mar 19 12:54:00 1990
Posted: Tue Mar 20 11:39:16 1990

I just bought *CHEAP* a Regency HR-2B 2m radio. I would like a copy of the schematic and/or manual. I will pay for copying and postage. Please respond by email first. Thanks,

Steve Look KA9SZW
look@uicsrd.csrd.uiuc.edu

From -2066218967756453468
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-20 16:21:40 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!usc!zaphod.mps.ohio-state.edu!uwm.edu!ogicse!decwrl!shelby!unix!hplabs!well!tenney
From: tenney@well.sf.ca.us (Glenn S. Tenney)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Message-ID: <16772@well.sf.ca.us>
Date: 20 Mar 90 08:19:08 GMT
References: <9003051529.AA05504@pelham.med.unc.edu> <7880134@hpfcdc.HP.COM> <39587@apple.Apple.COM>
Reply-To: tenney@well.UUCP (Glenn S. Tenney)
Organization: Whole Earth 'Lectronic Link, Sausalito, CA
Lines: 10
Posted: Tue Mar 20 09:19:08 1990

A quick comment:
I strongly suggest starting out learning the code at 20+ wpm. It is so much easier to go from 0 up, then to improve late (IMHO). Remember, that you can always test multiple times throughout your learning getting 5, or 13 along the way. I find the learning process is a part of the problem, so keep going while you're psyched up to learn. That applies to theory as well. Go for an extra whether you need it or not, it's easier to do it while you're studying anyway.
Glenn
AA6ER

From 4585274603072601322
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1f849aeeb4153bfb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-20 17:48:14 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!husc6!genrad!dls
From: dls@genrad.com (Diana L. Syriac)
Newsgroups: rec.ham-radio
Subject: VE Schedule for NE?

Message-ID: <34085@genrad.UUCP>
Date: 20 Mar 90 13:10:00 GMT
Sender: news@genrad.UUCP
Lines: 31
Posted: Tue Mar 20 14:10:00 1990

Ok, I give up. I'll cry uncle. I've been totally unable to get packet radio to stay up long enough from my QTH to gather in an article which I could really use. I promised the Novice class that meets each Wednesday evening (today is Tuesday) that I'd bring in the VE schedule for New England to the next class, so that they will know who to contact if they wish to upgrade from Novice....

That was two weeks ago when I made the promise. Since then, I've been trying to get onto packet and get the list....I even know the article number on the Bulletin Board WA1PHY (out of Bedford, Mass.): it's 5224. BUT, my rig seems to be totally unreliable. While I can connect to it (via a digipeater in Fitchburg, Mass.), I can sometimes get the banner, and I can sometimes see SOME of the mail that is sitting there for me to read (I know there are at least four packet mail for me.....but I can't read them....), I never get the prompt. It always times out before then.

Meanwhile, I still need the VE Schedule for New England (ie, Central Mass and Southern New Hampshire). Is there some kind soul out there who can get this data off the packet radio and email it to me instead? (At least email is reliable..........:-(

Thanks in advance.

Frustrated packet user (ps, I can successfully connect and receive CAP packets in Wakefield....why can't I receive HAM packets in Bedford????????)

```
->Diana L. Syriac   CAP: SM, Freedom 690 Mobile    Ham: KC1SP(1 super pilot)<-
->USmail:   GenRad Inc., Mail Stop 6, 300 Baker Ave, Concord, Mass.  01742  <-
->usenet:   {decvax,mit-eddie}!genrad!dls      or dls@genrad.com
        <-
->tel:       (508) 369-4400 x2459    I'D RATHER BE FLYING!!!
             <-
```

From 689948753702704581
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eb74f6708b759b84
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-20 17:48:21 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!daemon
From: commgrp@silver.ucs.indiana.edu (BACS Data Communications Group)
Newsgroups: rec.ham-radio
Subject: Re: LeMay
Message-ID: <39028@iuvax.cs.indiana.edu>
Date: 20 Mar 90 14:50:33 GMT
Sender: daemon@iuvax.cs.indiana.edu

Lines: 48
Posted: Tue Mar 20 15:50:33 1990

Phil Karn writes:
>In article <14912.2604E93E@stjhmc.fidonet.org>
>Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs) writes:
>>Art Collins had given LeMay a complete Collins SSB station for his
>>home use and LeMay was so impressed by the effectiveness of SSB that
>>he became instrumental in getting the Air Force to switch to SSB.
>>Needless to say, this led to Collins selling the government million$
>>in KWM-2's and 30L's.

>That clinches it, Turgidson == LeMay. From Dr. Strangelove:

>General Turgidson:
>"If you'll recall, sir, one of the provisions of Plan R provides that
>once the, uh, go code is received, the normal SSB radios in the
>aircraft are switched into a special code device which I believe is
>designated as CRM-114..."

>I'm still waiting for a CRM-114 to show up at the Dayton
>fleamarket. I've seen the B-52s in the Puma Air Museum (Tucson
>AZ) and the Air Force Museum (Dayton OH) but unfortunately they
>seem to have been gutted of all their electronics. :-)

You'll have to beat me to it!! A friend who was in the USAF says it's a real device, and the control head (shown in the movie) is not classified. They have been seen on the surplus market, and Dayton is probably a good place to look, what with Wright-Patterson AFB nearby. CRM-114 isn't its real name; the CRM prefix would mean "air-transportable radio maintenance." A "CRM-114" label appears among the equipment in the first scene of _Back to the Future_. I named the LORAN-C receiver in my car "CRM-114" and one of its waypoints is FGD135.

Maj. King Kong:
"To insure that the enemy cannot monitor voice transmission or plant false transmission, the CRM-114 is to be switched into all receiver circuits. The emergency base code prefix is to be set on the dials of the CRM. This'll block any transmission other than those preceded by a code prefix. Stand by to set code prefix... Set code prefix... Lock code prefix... Test auto-destruct circuit... Switch all receivers to CRM discriminator...."

Sometimes I recite that while taxiing out to the runway in a mighty Cessna 172 and setting the transponder. :^)

--

Frank W9MKV reid@gold.ucs.indiana.edu

From 3861184197870529411
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,195d6575a2a19e4e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-20 20:46:42 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!mintaka!ogicse!decwrl!shelby!beale@sierra.Stanford.EDU
From: beale@sierra.Stanford.EDU (John P. Beale)
Newsgroups: rec.ham-radio
Subject: anyone know about "litz wire"?
Keywords: hardware, old, Litz, litz wire, attenuation
Message-ID: <579@sierra.stanford.edu>
Date: 20 Mar 90 17:51:06 GMT
Sender: beale@sierra.Stanford.EDU (John P. Beale)
Reply-To: beale@sierra.UUCP (John P. Beale)
Organization: Stanford University
Lines: 19
Posted: Tue Mar 20 18:51:06 1990

A colleague of mine is interested in finding out about litz wire- past and present manufacturers, performance data (specifically attenuation versus frequency, eg from skin effect in an antenna application), and from whom any might be available today.

I gather that Litz wire is a bundle of finely stranded wires with each strand insulated from the others, thus having lower losses at very high frequencies than solid wire with the same cross section, assuming the skin depth is smaller than the radius of the wire.

I understand that this stuff was often used in low-loss inductors and the circularly-wound indoor antennas found on early BC-band radio receivers. It seems to be hard to find mention of it these days, though, although the laws of physics haven't changed in 50 years and whatever advantages it had then should still apply. Perhaps the nuisance value of soldering all those little strands together was the problem; I don't know.

Anyway, if you have a current source for the stuff, I'd appreciate hearing from you!   -- N8JUF   beale@sierra.stanford.edu --

---

From 4957776831763028523
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-20 20:54:19 PST
Path: gmdzi!unido!ira.uka.de!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Message-ID: <7880136@hpfcdc.HP.COM>
Date: 21 Mar 90 04:54:19 GMT
References: <9003051529.AA05504@pelham.med.unc.edu>

Organization: HP Ft. Collins, Co.
Lines: 25
Posted: Wed Mar 21 05:54:19 1990

Re: This OM needs help !

This guy might be one of those people who simply cannot learn code. I've seen it before.

While I'm not a VE, the guys I've taken tests from wouldn't mind the verbatim dot-dash copy and translation. I suggest that the OM write it down like this: |...| This takes less horizontal space on the paper, so less time is spent on the carraige-return. Also, if the OM understands binary trees, that is a good way to memorize Morse Code. In this scheme, 0=dit, 1=dah. Make up a balanced btree, assigning dits and dahs, then create a silly saying to remember the tree.

```
         E                  T
     I        A        N         M
   S        U      R         W     D       K        G      O
  H  V     F *    L  *      P J   B X     C Y      Z Q    * *
```

Something like "Extra Terrestrials In A New Mexico Sun Use Running Water (for) DrinKinG Or HaVing Fun."

You get the idea. Good luck to your friend, and condolences to the family. :-)

Perry

From -3183145316484777885
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7fb63c886cf297f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-20 21:05:38 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Forgiving the League for Incentive Licensing
Message-ID: <7880137@hpfcdc.HP.COM>
Date: 21 Mar 90 05:05:38 GMT
References: <9003091756.AA04315@ti.com>
Organization: HP Ft. Collins, Co.
Lines: 11
Posted: Wed Mar 21 06:05:38 1990

>A person could have either a RO, a TO, or a ROTO (combination) license.

...and if you were really enthusiastic, you would be a ROTO-rooter !

I liked the procedural questions. They should be included in the pool. One response that was missed on the AZ emergency:

E) All of the above, then turn on the linear.

Perry/KF0CA

From -2446931315601559374
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c70ce09836ce1396,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-20 21:45:14 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!ulysses!wmb
From: wmb@ulysses.att.com (W M Brelsford)
Newsgroups: rec.ham-radio
Subject: DXCC Country List
Keywords: DXCC
Message-ID: <12705@ulysses.att.com>
Date: 20 Mar 90 19:28:25 GMT
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 405
Posted: Tue Mar 20 20:28:25 1990

The current ARRL DXCC country list follows. Changes from the previous posting (2/89) include the addition of several new countries (T33, ZS9, 3D2 (Conway)), prefix changes (KC6 -> V6, KX6 -> V7, UA1 -> 4K2, UP -> LY, UQ -> YL, UR -> ES, ZS2 -> ZS8, 3D6 -> 3DA) and other minor modifications.

Much of the information was provided by Ron McConnell, W2IOL.

The colon-separated fields are:

1. primary amateur prefix ("*" suffix for deleted countries)
2. country name
3. continent
4. ITU zone(s)
5. CQ zone(s)
6. time zone (hours from UTC)
7. latitude
8. longitude
9. ITU prefix allocation(s) ("~" suffix for unofficial)
10. other amateur prefixes

Please mail corrections and suggestions to me.

Bill Brelsford, K2DI
AT&T, Basking Ridge NJ
Uucp: att!joplin!wmb
Internet: wmb@joplin.att.com
Bitnet: wmb%joplin@att.arpa

```
A2:Botswana:Af:57:38:+2:25S:26E:A2,8O
A3:Tonga:Oc:62:32:+13:21S:175W:A3
A4:Oman:As:39:21:+4:24N:59E:A4
A5:Bhutan:As:41:22:+5.5:27N:90E:A5
A6:United Arab Emirates:As:39:21:+4:24N:54E:A6
A7:Qatar:As:39:21:+4:25N:52E:A7
A9:Bahrain:As:39:21:+4:26N:51E:A9
AC3*:Sikkim:As:41:22:+5.5:27N:89E
AC4*:Tibet:As:41:23:+6:30N:92E
AP:Pakistan:As:41:21:+5:34N:73E:AP-AS,6P-6S
BV:Taiwan:As:44:24:+8:25N:122E
BY:China:As:33,42,43,44:23,24:+8:40N:116E:BA-BZ,XS,3H-3U
C2:Nauru:Oc:65:31:+11.5:0S:167E:C2
C3:Andorra:Eu:27:14:+1:43N:2E:C3
C5:The Gambia:Af:46:35:+0:13N:17W:C5
C6:Bahamas:NA:11:08:-5:25N:77W:C6
C9:Mozambique:Af:53:37:+2:26S:33E:C8-C9
C9*:Manchuria:As:33:24:+8.5:46N:127E
CE:Chile:SA:14,16:12:-4:33S:71W:CA-CE,XQ-XR,3G
CE9:Antarctica:An:67,69,70,71,72,73,74:12,13,29,30,32,38,39:+0:90S:0W::AT0,DP0,FT_
Y,KC4,LU_Z,OR4,VK0,VP8,Y8,ZL5,ZS7,ZX0,3Y,4K1,8J1
CE0A:Easter Is:SA:63:12:-7:27S:109W
CE0X:San Felix:SA:14:12:-5:26S:80W
CE0Z:Juan Fernandez:SA:14:12:-4:34S:79W
CN:Morocco:Af:37:33:+0:34N:7W:CN,5C-5G
CN2*:Tangier:Af:37:33:+0:36N:8W
CO:Cuba:NA:11:08:-5:23N:82W:CL,CM,CO,T4
CP:Bolivia:SA:12,14:10:-4:17S:68W:CP
CR8*:Damao, Diu:As:41:22:+5.5:21N:71E
CR8*:Goa:As:41:22:+5.5:16N:74E
CR8*:Portuguese Timor:Oc:54:28:+8:9S:126E
CT:Portugal:Eu:37:14:+1:39N:9W:CQ-CU,XX
CT3:Madeira Is:Af:36:33:-1:33N:17W
CU:Azores:Eu:36:14:-1:38N:26W::CT2
CX:Uruguay:SA:14:13:-3:35S:56W:CV-CX
CY9:St Paul Is:NA:09:05:-5:47N:60W
CY0:Sable Is:NA:09:05:-5:44N:60W
D2:Angola:Af:52:36:+1:9S:13E:D2-D3
D4:Cape Verde:Af:46:35:-2:15N:23W:D4
D6:Comoros:Af:53:39:+3:12S:43E:D6
DL:West Germany:Eu:28:14:+1:52N:7E:DA-DR
DL*:Germany:Eu:28:14:+1:52N:7E::DA-DM
DU:Philippines:Oc:50:27:+8:15N:121E:DU-DZ,4D-4I
EA:Spain:Eu:37:14:+1:40N:4W:AM-AO,EA-EH
EA6:Balearic Is:Eu:37:14:+1:38N:3E
EA8:Canary Is:Af:36:33:+0:28N:15W
EA9:Ceuta & Melilla:Af:37:33:+1:36N:5W
EA9*:Ifni:Af:37:33:+0:29N:10W
EI:Ireland:Eu:27:14:+0:53N:6W:EI-EJ
EL:Liberia:Af:46:35:-0.75:6N:11W:A8,D5,EL,5L-5M,6Z
EP:Iran:As:40:21:+3.5:36N:51E:EP-EQ,9B-9D
ES:Estonia:Eu:29:15:+3:59N:25E::UR
```

```
ET:Ethiopia:Af:48:37:+3:9N:39E:ET,9E-9F
ET2*:Eritrea:Af:48:37:+3:15N:39E
F:France:Eu:27:14:+1:49N:2E:FA-FZ,HW-HY,TH,TK,TM,TO-TQ,TV-TX
FF*:French W Africa:Af:46:35:+0:15N:18W
FG:Guadeloupe:NA:11:08:-4:16N:62W
FH:Mayotte:Af:53:39:+3:13S:45E
FH*:Comoros:Af:53:39:+3:12S:43E::FB8
FI8*:Fr Indo China:As:49:26:+7:11N:107E
FK:New Caledonia:Oc:56:32:+11:22S:167E
FM:Martinique:NA:11:08:-4:15N:61W
FN8*:French India:As:41:22:+5.5:12N:80E
FO:Clipperton Is:NA:10:07:-7:10N:109W
FO:French Polynesia:Oc:63:32:-10:18S:150W
FP:St Pierre & Miquelon:NA:09:05:-4:47N:56W
FQ8*:Fr Equatorial Africa:Af:47,52:36:+1:5N:18E
FR:Glorioso Is:Af:53:39:+3:12S:47E
FR:Juan de Nova, Europa:Af:53:39:+3:17N:43E
FR:Reunion:Af:53:39:+4:21S:55E
FR:Tromelin:Af:53:39:+4:16S:54E
FS:St Martin:NA:11:08:-4:18N:63W::FG,FJ
FT_W:Crozet:Af:68:39:+3:46S:52E
FT_X:Kerguelen Is:Af:68:39:+5:50S:70E
FT_Z:Amsterdam & St Paul Is:Af:68:39:+5:38S:78E
FW:Wallis & Futuna Is:Oc:62:32:-10.5:14S:172W
FY:French Guiana:SA:12:09:-4:5N:52W
G:England:Eu:27:14:+0:52N:0W:GA-GZ,MA-MZ,VP-VS,ZB-ZJ,ZN-ZO,ZQ,2A-2Z
GD:Isle of Man:Eu:27:14:+0:54N:4W
GI:No Ireland:Eu:27:14:+0:55N:6W
GJ:Jersey:Eu:27:14:+0:49N:2W
GM:Scotland:Eu:27:14:+0:57N:2W
GU:Guernsey:Eu:27:14:+0:49N:3W
GW:Wales:Eu:27:14:+0:52N:3W
H4:Solomon Is:Oc:51:28:+11:9S:160E:H4
HA:Hungary:Eu:28:15:+1:48N:19E:HA,HG
HB:Switzerland:Eu:28:14:+1:47N:7E:HB,HE
HB0:Liechtenstein:Eu:28:14:+1:47N:10E
HC:Ecuador:SA:12:10:-5:0N:79W:HC-HD
HC8:Galapagos Is:SA:12:10:-5:1S:90W
HH:Haiti:NA:11:08:-5:19N:72W:HH,4V
HI:Dominican Rep:NA:11:08:-5:18N:70W:HI
HK:Colombia:SA:12:09:-5:5N:74W:HJ-HK,5J-5K
HK0:Malpelo Is:SA:12:09:-5:4N:82W
HK0:San Andres & Providencia:NA:11:07:-6:13N:82W
HK0*:Bajo Nuevo:NA:11:08:-5:16N:79W
HK0*:Serrana Bnk, Roncador Cay:NA:11:07:-5:14N:80W::KP3,KS4
HL:Korea:As:44:25:+9:38N:127E:DS-DT,D7-D9,HL-HM,P5-P9,6K-6N
HP:Panama:NA:11:07:-5:9N:80W:HO-HP,H3,H8-H9,3E-3F
HR:Honduras:NA:11:07:-6:14N:87W:HQ-HR
HS:Thailand:As:49:26:+6:14N:101E:HS
HV:Vatican:Eu:28:15:+1:42N:13E:HV
HZ:Saudi Arabia:As:39:21:+3:25N:47E:HZ,7Z,8Z
I:Italy:Eu:28:15:+1:42N:12E:IA-IZ
I1*:Trieste:Eu:28:15:+1:46N:14E
```

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I5*:Ital Somaliland:Af:48:37:+3:2N:46E
IS:Sardinia:Eu:28:15:+1:39N:9E
J2:Djibouti:Af:48:37:+3:12N:43E:J2
J3:Grenada:NA:11:08:-4:12N:62W:J3
J5:Guinea-Bissau:Af:46:35:-1:12N:16W:J5
J6:St Lucia:NA:11:08:-4:14N:61W:J6
J7:Dominica:NA:11:08:-4:15N:61W:J7
J8:St Vincent:NA:11:08:-4:13N:61W:J8
JA:Japan:As:45:25:+9:36N:140E:JA-JS,7J-7N,8J-8N:KA1
JD:Minami Torishima:Oc:45/90:27:+10:24N:154E::KA1
JD:Ogasawara:As:45:27:+10:28N:142E::KA1
JD1*:Okino Tori-shima:As:45:27:+10:30N:140E::7J1
JT:Mongolia:As:32,33:23:+7.5:48N:107E:JT-JV
JW:Svalbard:Eu:18:40:+1:78N:16E
JX:Jan Mayen:Eu:18:40:-1:71N:9W
JY:Jordan:As:39:20:+2:32N:36E:JY
JZ0*:Neth New Guinea:Oc:51:28:+10:10S:147E
K:United States:NA:06,07,08:03,04,05:-5:39N:77W:AA-AL,KA-KZ,NA-NZ,WA-WZ
KC6:Belau:Oc:64:27:+10:7N:134E
KG4:Guantanamo Bay:NA:11:08:-5:20N:75W
KH1:Baker & Howland Is:Oc:61:31:-12:0N:176W
KH2:Guam:Oc:64:27:+10:13N:145E
KH3:Johnston Is:Oc:61:31:-11:17N:170W
KH4:Midway Is:Oc:61:31:-11:28N:177W
KH5:Palmyra, Jarvis Is:Oc:61:31:-11:6N:162W
KH5K:Kingman Reef:Oc:61:31:-11:6N:162W
KH6:Hawaii:Oc:61:31:-10:21N:158W
KH7:Kure Is:Oc:61:31:-11:29N:178W
KH8:Am Samoa:Oc:62:32:-11:14S:171W
KH9:Wake Is:Oc:65:31:+12:19N:167E
KH0:Mariana Is:Oc:64:27:+10:15N:146E
KL7:Alaska:NA:01,02:01:-8:58N:134W
KP1:Navassa Is:NA:11:08:-5:18N:75W
KP2:Virgin Is:NA:11:08:-4:18N:65W
KP4:Puerto Rico:NA:11:08:-4:18N:66W
KP5:Desecheo Is:NA:11:08:-4:18N:68W
KR6*:Okinawa (Ryukyu):As:45:25:+8:26N:128E::KR8,JR6,KA6
KS4*:Swan Is:NA:11:07:-6:17N:84W
KZ5*:Canal Zone:NA:11:07:-5:9N:80W
LA:Norway:Eu:18:14:+1:60N:11E:JW-JX,LA-LN,3Y
LU:Argentina:SA:14,16:13:-3:35S:58W:AY-AZ,LO-LW,L2-L9
LX:Luxembourg:Eu:27:14:+1:50N:6E:LX
LY:Lithuania:Eu:29:15:+3:55N:25E::UP
LZ:Bulgaria:Eu:28:20:+2:43N:23E:LZ
OA:Peru:SA:12:10:-5:12S:78W:OA-OC,4T
OD:Lebanon:As:39:20:+2:34N:36E:OD
OE:Austria:Eu:28:15:+1:48N:16E:OE
OH:Finland:Eu:18:15:+2:60N:25E:OF-OJ
OH0:Aland Is:Eu:18:15:+2:60N:20E
OJ0:Market Reef:Eu:18:15:+2:60N:19E
OK:Czechoslovakia:Eu:28:15:+1:50N:15E:OK-OM
ON:Belgium:Eu:27:14:+1:51N:4E:ON-OT
OX:Greenland:NA:05,75:40:-3:64N:52W::XP
```

```
OY:Faroe Is:Eu:18:14:+0:62N:7W
OZ:Denmark:Eu:18:14:+1:56N:13E:OU-OZ,XP,5P-5Q
P2:Papua New Guinea:Oc:51:28:+10:10S:147E:P2
P2*:Papua Terr:Oc:51:28:+10:10S:147E::VK9
P2*:Terr New Guinea:Oc:51:28:+10:10S:147E::VK9
P4:Aruba:SA:11:09:-4.5:13N:70W:P4
PA:Netherlands:Eu:27:14:+1:52N:5E:PA-PI
PJ2:Neth Antilles:SA:11:09:-4.5:12N:69W:PJ:PJ4,PJ9
PJ5:St Maarten, Saba, St Eus:NA:11:08:-4:18N:63W::PJ6-8
PK1*:Java:Oc:54:28:+7.5:6S:107E::PK23
PK4*:Sumatra:Oc:54:28:+7:1S:100E
PK5*:Netherlands Borneo:Oc:54:28:+8:3S:115E
PK6*:Celebe & Molucca Is:Oc:54:28:+8:5S:119E
PY:Brazil:SA:12,13,15:11:-3:16S:48W:PP-PY,ZV-ZZ
PY0:Fernando de Noronha:SA:13:11:-2:4S:32W
PY0:St Peter & St Paul Rocks:SA:13:11:-2:0N:29W
PY0:Trindade & Martin Vaz Is:SA:15:11:-2:21S:29W
PZ:Surinam:SA:12:09:-3.5:6N:55W:PZ
S2:Bangladesh:As:41:22:+6:24N:90E:S2-S3
S7:Seychelles:Af:53:39:+4:5S:55E:S7
S9:Sao Tome & Principe:Af:47:36:+0:0N:7E:S9
S0:Western Sahara:Af:37:33:+0:27N:13W:S0~
SM:Sweden:Eu:18:14:+1:59N:18E:SA-SM,7S,8S
SP:Poland:Eu:28:15:+1:52N:21E:HF,SN-SR,3Z
ST:Sudan:Af:48:34:+2:16N:33E:SSN-SSZ,ST,6T-6U
ST0:Southern Sudan:Af:48:34:+2:5N:32E
SU:Egypt:Af:38:34:+2:31N:31E:SSA-SSM,SU,6A-6B
SV:Greece:Eu:28:20:+2:38N:24E:J4,SV-SZ
SV5:Dodecanese:Eu:28:20:+2:36N:28E
SV9:Crete:Eu:28:20:+2:36N:24E
SY:Mt Athos:Eu:28:20:+2:40N:24E::SV1/A
T2:Tuvalu:Oc:65:31:+12:9S:179E:T2
T31:Central Kiribati:Oc:62:31:+12:4S:171W:T3
T32:East Kiribati:Oc:61,63:31:+12:2N:158W
T33:Banaba:Oc:65:31:+11.5:1S:170E
T30:West Kiribati:Oc:65:31:+12:1S:173E
T5:Somali:Af:48:37:+3:2N:46E:T5,6O
T7:San Marino:Eu:28:15:+1:44N:12E:T7
TA:Turkey:As,Eu:39:20:+2:40N:33E:TA-TC,YM
TF:Iceland:Eu:17:40:-1:64N:22W:TF
TG:Guatemala:NA:11:07:-6:16N:92W:TD,TG
TI:Costa Rica:NA:11:07:-6:10N:84W:TE,TI
TI9:Cocos Is:NA:11:07:-6:6N:87W
TJ:Cameroon:Af:47:36:+1:4N:12E:TJ
TK:Corsica:Eu:28:15:+1:42N:9E
TL:Central African Rep:Af:47:36:+1:5N:19E:TL
TN:Congo:Af:52:36:+1:4S:15E:TN
TR:Gabon:Af:52:36:+1:1N:10E:TR
TT:Chad:Af:47:36:+1:12N:15E:TT
TU:Ivory Coast:Af:46:35:+0:5N:4W:TU
TY:Benin:Af:46:35:+0:6N:3E:TY
TZ:Mali:Af:46:35:+0:13N:8W:TZ
UA1:Russia (European):Eu:19,20,29,30:16:+3:56N:37E:EK,EM-EO,ER-ES,EX-EZ,LY,RA-
```

```
RZ,UA-UZ,YL,4J-4L:UA346,UN,UV,UW,UZ
UA2:Kaliningrad:Eu:29:15:+3:55N:21E::UZ2
UA9:Russia
(Asiatic):As:20,21,22,23,24,25,26,30,31,32,33,34,35,75:16,17,18,19,23:+7:52N:104E:
:UA0,UN,UV,UW,UZ
UB:Ukraine:Eu:29:16:+3:50N:30E::UT,UY
UC:Byelorussia:Eu:29:16:+3:54N:28E:EU-EW
UD:Azerbaijan:As:29:21:+4:40N:50E
UF:Georgia:As:29:21:+4:42N:45E
UG:Armenia:As:29:21:+4:40N:45E
UH:Turkmenistan:As:30:17:+5:38N:58E
UI:Uzbekistan:As:30:17:+6:41N:69E
UJ:Tadzhikistan:As:30:17:+6:39N:69E
UL:Kazakhstan:As:29,30,31:17:+5.5:43N:77E
UM:Kirghizia:As:30,31:17:+6:43N:75E
UN1*:Karelo-Finnish Rep:Eu:19:16:+3:64N:32E
UO:Moldavia:Eu:29:16:+3:47N:29E
V2:Antigua, Barbuda:NA:11:08:-4:17N:62W:V2
V3:Belize:NA:11:07:-5.5:17N:89W:V3
V4:St Kitts, Nevis:NA:11:08:-4:17N:63W:V4
V6:Micronesia:Oc:65:27:+11:7N:158E:V6:KC6
V7:Marshall Is:Oc:65:31:+12:7N:171E:V7:KX6
V8:Brunei:Oc:54:28:+8:5N:115E:V8
VE:Canada:NA:02,03,04,09,75:01,02,03,04,05:-5:45N:76W:CF-CK,CY-CZ,VA-VG,VO,VX-
VY,XJ-XO
VK:Australia:Oc:55,58,59:29,30:+10:35S:149E:AX,VH-VN,VZ
VK9L:Lord Howe Is:Oc:60:30:+10:31S:159E
VK9N:Norfolk Is:Oc:60:32:+11.5:29S:168E
VK9X:Christmas Is:Oc:54:29:+7:10S:106E
VK9Y:Cocos-Keeling Is:Oc:54:29:+6.5:12S:97E
VK9Z:Mellish Reef:Oc:55:30:+10:17S:156E
VK9Z:Willis Is:Oc:55:30:+10:16S:150E
VK0:Heard Is:Af:68:39:+5:53S:73E
VK0:Macquarie Is:Oc:60:30:+11:54S:159E
VO*:Newfoundland, Labrador:NA:09:02,05:-3.5:48N:53W
VP2E:Anguilla:NA:11:08:-4:18N:63W
VP2M:Montserrat:NA:11:08:-4:17N:62W
VP2V:Br Virgin Is:NA:11:08:-4:18N:65W
VP5:Turks & Caicos Is:NA:11:08:-5:22N:72W
VP8:Falkland Is:SA:16:13:-4:52S:58W
VP8:So Georgia Is:SA:73:13:-1.5:54S:37W::LU_Z
VP8:So Orkney Is:SA:73:13:-3:61S:45W::LU_Z
VP8:So Sandwich Is:SA:73:13:-3:59S:27W::LU_Z
VP8:So Shetland Is:SA:73:13:-4:62S:59W::LU_Z,CE9,HF0,4K1
VP9:Bermuda:NA:11:05:-4:32N:65W
VQ1*:Zanzibar:Af:53:37:+3:7S:39E::5H1
VQ6*:British Somaliland:Af:48:37:+3:2N:46E
VQ9:Chagos:Af:41:39:+5:7S:72E
VQ9*:Aldabra:Af:53:39:+4:9S:46E
VQ9*:Desroches:Af:53:39:+4:6S:55E
VQ9*:Farquhar:Af:53:39:+4:10S:51E
VR6:Pitcairn Is:Oc:63:32:-8.5:25S:130W
VS2*:Malaya:As:54:28:+7.5:3N:102E::9M2
```

```
VS4*:Sarawak:Oc:54:28:+8:2N:110E
VS6:Hong Kong:As:44:24:+8:22N:114E
VS9H*:Kuria Muria Is:As:39:21:+4:18N:56E
VU:India:As:41:22:+5.5:29N:77E:AT-AW,VT-VW,8T-8Y
VU7:Andaman & Nicobar Is:As:49:26:+5.5:12N:93E
VU7:Laccadive Is:As:41:22:+5.5:11N:73E
XE:Mexico:NA:10:06:-6:20N:99W:XA-XI,4A-4C,6D-6J
XF4:Revilla Gigedo:NA:10:06:-7:18N:113W
XT:Burkina Faso:Af:46:35:+0:12N:2W:XT
XU:Cambodia:As:49:26:+8:12N:105E:XU
XW:Laos:As:49:26:+7:20N:102E:XW
XX9:Macao:As:44:24:+8:22N:114E
XZ:Myanmar (Burma):As:49:26:+6.5:17N:96E:XY-XZ
Y2:East Germany:Eu:28:14:+1:53N:13E:Y2-Y9
YA:Afghanistan:As:40:21:+4.5:35N:69E:T6,YA
YB:Indonesia:Oc:51,54:28:+7.5:6S:107E:JZ,PK-PO,YB-YH,7A-7I,8A-8I
YI:Iraq:As:39:21:+3:32N:45E:HN,YI
YJ:Vanuatu:Oc:56:32:+11:18S:168E:YJ
YK:Syria:As:39:20:+2:34N:36E:YK,6C
YL:Latvia:Eu:29:15:+3:57N:24E::UQ
YN:Nicaragua:NA:11:07:-6:12N:87W:HT,H6-H7,YN
YO:Romania:Eu:28:20:+2:45N:26E:YO-YR
YS:El Salvador:NA:11:07:-6:14N:89W:HU,YS
YU:Yugoslavia:Eu:28:15:+1:45N:20E:YT-YU,YZ,4N-4O
YV:Venezuela:SA:12:09:-4:10N:67W:YV-YY,4M
YV0:Aves Is:NA:11:08:-4:16N:64W
Z2:Zimbabwe:Af:53:38:+2:18S:31E:Z2
ZA:Albania:Eu:28:15:+1:41N:20E:ZA
ZB:Gibraltar:Eu:37:14:+1:37N:5W
ZC:Cyprus SBA:As:39:20:+2:36N:33E
ZC5*:Br North Borneo:Oc:54:28:+8:6N:116E
ZC6*:Palestine:As:39:20:+2:32N:35E::4X1
ZD4*:Gold Coast, Togoland:Af:46:35:+0:5N:0W
ZD7:St Helena:Af:66:36:+0:16S:6W
ZD8:Ascension Is:Af:66:36:-1:8S:14W
ZD9:Tristan da Cunha & Gough Is:Af:66:38:-1:37S:12W
ZF:Cayman Is:NA:11:08:-5:19N:81W
ZK1:No Cook Is:Oc:62:32:-10.5:10S:161W
ZK1:So Cook Is:Oc:63:32:-10.5:22S:158W
ZK2:Niue:Oc:62:32:-11:19S:170W
ZK3:Tokelau Is:Oc:62:31:-12:9S:171W
ZL:New Zealand:Oc:60:32:+12:41S:175E:ZK-ZM
ZL7:Chatham Is:Oc:60:32:+12.75:44S:177W
ZL8:Kermadec Is:Oc:60:32:+12:29S:178W
ZL9:Auckland, Campbell Is:Oc:60:32:+12:51S:166E
ZP:Paraguay:SA:14:11:-4:26S:57W:ZP
ZS:So Africa:Af:57:38:+2:26S:28E:H5,S4,S8,V9,ZR-ZU
ZS3:Namibia:Af:57:38:+2:22S:17E
ZS8:Pr Edward & Marion Is:Af:57:38:+3:47S:38E
ZS9:Walvis Bay:Af:57:38:+2:23S:15E
1A0:SMO Malta:Eu:28:15:+1:42N:13E:1A~
1M*:Minerva Reef:Oc:62:32:-12:24S:179W
1S:Spratly Is:As:50:26:+7:9N:112E:1S~
```

```
3A:Monaco:Eu:27:14:+1:44N:8E:3A
3B6:Agalega & St Brandon:Af:53:39:+4:10S:57E::3B7
3B8:Mauritius:Af:53:39:+4:20S:58E:3B
3B9:Rodriguez Is:Af:53:39:+4:20S:63E
3C:Equatorial Guinea:Af:47:36:-1:4N:9E:3C
3C0:Pagalu:Af:52:36:-1:1S:6E
3D2:Conway Reef:Oc:56:32:+12:22S:175E
3D2:Fiji Is:Oc:56:32:+12:18S:178E:3DN-3DZ
3D2:Rotuma:Oc:56:32:+12:13S:177E
3DA:Swaziland:Af:57:38:+2:26S:31E:3DA-3DM:3D6
3V:Tunisia:Af:37:33:+1:37N:10E:TS,3V
3W:Vietnam:As:49:26:+7:11N:107E:XV,3W
3X:Guinea:Af:46:35:+0:10N:14W:3X
3Y:Bouvet:Af:67:38:+0:54S:3E
3Y:Peter I:An:72:12:-6:69S:91W
4J1:Malyj Vysotskij Is:Eu:29:16:+3:61N:29E
4K2:Franz Josef Land:Eu:75:40:+3:81N:48E::UA1
4S:Sri Lanka:As:41:22:+5.5:7N:80E:4P-4S
4U:ITU Geneva:Eu:28:14:+1:46N:6E
4U:UN HQ:NA:08:05:-5:41N:74W:4U
4W:Yemen:As:39:21:+3:15N:44E:4W
4X:Israel:As:39:20:+2:32N:35E:4X,4Z
5A:Libya:Af:38:34:+2:33N:13E:5A
5B:Cyprus:As:39:20:+3:35N:33E:C4,H2,P3,5B
5H:Tanzania:Af:53:37:+3:7S:39E:5H-5I
5N:Nigeria:Af:46:35:+1:6N:3E:5N-5O
5R:Madagascar:Af:53:39:+3:19S:48E:5R-5S,6X
5T:Mauritania:Af:46:35:-1:18N:16W:5T
5U:Niger:Af:46:35:+1:14N:2W:5U
5V:Togo:Af:46:35:+0:6N:1E:5V
5W:Western Samoa:Oc:62:32:-11:14S:172W:5W
5X:Uganda:Af:48:37:+3:0N:33E:5X
5Z:Kenya:Af:48:37:+3:2S:37E:5Y-5Z
6W:Senegal:Af:46:35:+0:15N:18W:6V-6W
6Y:Jamaica:NA:11:08:-5:18N:77W:6Y
7O:PDR Yemen:As:39:21:+3:13N:45E:7O
7O*:Kamaran Is:As:39:21:+3:15N:43E::VS9K
7P:Lesotho:Af:57:38:+2:29S:27E:7P
7Q:Malawi:Af:53:37:+2:14S:34E:7Q
7X:Algeria:Af:37:33:+0:37N:3E:7R,7T-7Y
8P:Barbados:NA:11:08:-4:13N:60W:8P
8Q:Maldive Is:As,Af:41:22:+5:4N:73E:8Q
8R:Guyana:SA:12:09:-3.75:6N:58W:8R
8Z4*:S Arabia/Iraq NZ:As:39:21:+3:29N:46E
8Z5*:Kuwait/S Arabia NZ:As:39:21:+3:29N:48E::9K3
9G:Ghana:Af:46:35:+0:5N:0W:9G
9H:Malta:Eu:28:15:+1:36N:15E:9H
9J:Zambia:Af:53:36:+2:15S:28E:9I-9J
9K:Kuwait:As:39:21:+3:29N:48E:9K
9L:Sierra Leone:Af:46:35:+0:9N:13W:9L
9M2:West Malaysia:As:54:28:+7.5:3N:102E::9M4
9M6:East Malaysia:Oc:54:28:+8:2N:110E:9M,9W:9M8
9N:Nepal:As:42:22:+5.5:28N:85E:9N
```

```
9Q:Zaire:Af:52:36:+1:4S:15E:9O-9T
9S4*:Saar:Eu:28:14:+1:49N:7E
9U:Burundi:Af:52:36:+3:3S:29E:9U
9U5*:Ruanda-Urundi:Af:52:36:+3:3S:30E
9V:Singapore:As:54:28:+7.5:1N:104E:S6,9V
9X:Rwanda:Af:52:36:+3:2S:30E:9X
9Y:Trinidad & Tobago:SA:11:09:-4:11N:62W:9Y-9Z
~~:Abu Ail, Jabal at Tair:As:39:21:+2:14N:43E::J2/A
~~*:Blenheim Reef:Af:41:39:+5:7S:72E
~~*:Geyser Reef:Af:53:39:+3:12S:46E
```

From 1153129889867289178
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7fb63c886cf297f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-20 22:30:25 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!think!samsung!cs.utexas.edu!asuvax!stjhmc!f1.n234.z1.fidonet.org!Jim.Grubs
From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Forgiving the League for Incentive
Message-ID: <15023.26068A4A@stjhmc.fidonet.org>
Date: 20 Mar 90 07:03:56 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 20
Posted: Tue Mar 20 08:03:56 1990

> From: phil@ux1.cso.uiuc.edu
>
> I do not want to start having the FCC type-accepting ham gear, even though
> some hams can be using the non-type-accepted gear. It will just end up
> raising the prices for everyone.

We traded messages earlier on HAMLICEN about type-acceptance and the Canadian plan. If I understand the latter correctly, it does not require type-acceptance, just commercial manufacture. That's not radically different from the present de facto situation. The Canadian plan just makes it de jure. And "commercial manufacture" could be extrapolated to include kits.

73 de Jim Grubs, W8GRT

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

From 3636227579744150657
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,118d663b6d228342,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-21 03:31:23 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!mips!wyse!pgraham
From: pgraham@wyse.wyse.com (PC-NFS Philip Graham x1124 #)
Newsgroups: rec.ham-radio
Subject: High-end HF transcievers
Keywords: HF
Message-ID: <2648@wyse.wyse.com>
Date: 21 Mar 90 00:10:45 GMT
Organization: Wyse Technology, San Jose
Lines: 20
Posted: Wed Mar 21 01:10:45 1990

Hello folks,

I would be interested to hearing from anyone who has purchased one of the below radios. Please EMAIL comments to me and I will post a summary of all comments.

I would like to limit the HF transcievers to the very high end of each company:

ICOM   IC-765
ICOM   IC-781
Kenwood TS-950SD
Kenwood TS-940
Yeasu FT-1000 & /D
Yeasu FT-767GX

Thanks in advance....

DE KJ6NN
Phil

From -3311745293583856867
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,422114164eea83f4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-21 03:46:20 PST
Path: gmdzi!unido!mcsun!uunet!kaukau.comp.vuw.ac.nz!comp.vuw.ac.nz!massey!GMoretti
From: GMoretti@massey.ac.nz (Giovanni Moretti)
Newsgroups: rec.ham-radio
Subject: Re: Downloading from WSMR-Simtel20
Summary: Sample Script for FTPing from Simtel20
Keywords: SIMTEL20, FTP
Message-ID: <606@massey.ac.nz>
Date: 21 Mar 90 00:37:04 GMT
References: <NMSEI.90Mar19101549@nambe.nmsu.edu>
Organization: Massey University, Palmerston North, New Zealand
Lines: 51

Posted: Wed Mar 21 01:37:04 1990
X-Reader: NETNEWS/PC Version 2.2

>>> Re unable to find SIMTEL20s pd1 disk

The procedure I use (and it works :-) is:

```
ftp 26.2.0.74              - connect to SIMTEL20

user anonymous             - Now inside FTP
yourname                   - in reply to the password prompt

dir                        - (or ls) this will show you the files
                              at the top level.

cd pd1:<msdos.hamradio>    - change to the HAMRADIO directory on pd1

dir                        - see what's there
                           - there's a file called 00-index.txt
                             which is an ascii file of one line descriptions

get 00-index.txt           - ignore the semicolons and the numbers after
                             the filenames (probably version numbers)
                             THIS IS AN ASCII transfer (default mode),
                             OK 'cause it's text

tenex                      - Tell simtel to transfer BINARY files
                             DON'T use the BINARY command - it appears to work
                             but a 128K file expanded to 178K.  Use binary
                             when transferring from UNIX/VMS machines.

get sm309.arc              - get SUPERMORSE - it's an ARC file, must be in
                             TENEX mode.

get xxx.arc                - the mode stays in TENEX until you give the ASCII
                             command.

quit                       - close connection & exit ftp
```

If the your path is a bit slow, type HASH before doing any GETs, it will print a # after each 1000 or so character, just to let you know how it's going.

As I remember, there's some intro documentation at the top level.

Hope this helps,

Giovanni ZL2BOI
--

```
-------------------------------------------------------------------------------
|   GIOVANNI MORETTI, Consultant     | EMail: G.Moretti@massey.ac.nz          |
|Computer Centre,  Massey University | Ph 64 63 69099 x8398, FAX 64 63 505607 |
|   Palmerston North, New Zealand    | QUITTERS NEVER WIN, WINNERS NEVER QUIT |
--------------------------------------------------------------------------------


From -3863005786514585653
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a765f479e2f5eb47
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-21 03:46:48 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!
mailrus!uwm.edu!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!hplabs!hpl-opus!
labelle
From: labelle@hpl-opus.HP.COM (George LaBelle)
Newsgroups: rec.ham-radio
Subject: Re: Electromagnetic Fields
Message-ID: <64840030@hpl-opus.HP.COM>
Date: 20 Mar 90 22:36:30 GMT
References: <336@bongo.UUCP>
Organization: HP Labs, High Speed Electronics Dept., Palo Alto, CA
Lines: 16
Posted: Tue Mar 20 23:36:30 1990


     There is a multi-article issue devoted to "Killing Fields"
     of "Electronics and Wireless World". (A British electronics mag.)

     Either Jan., or Feb.

     Covers all the bases including a bibliography.

 -------------------------------------------------------------------------------
George La Belle                 uucp:    hplabs!hpl-opus!labelle
Hewlett Packard Labs            smtp:    labelle@hpl-opus
P.O. Box 10490                  arpanet: labelle%hpl-opus@hp-sde.hp.com
Palo Alto, Ca. 94303            hpdesk:  GEORGE LABELLE /HP1900/UX
                                     phone    (415) 857-4679
                       ham      WB6YZZ
 -------------------------------------------------------------------------------


From -5678724500321846248
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8054233c5b95c592,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-21 03:47:17 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: DAYTON!
Message-ID: <30500458@ux1.cso.uiuc.edu>
Date: 21 Mar 90 01:40:03 GMT
References: <1485@raybed2.ray.com>
Lines: 5
```

Nf-ID: #R:raybed2.ray.com:1485:ux1.cso.uiuc.edu:30500458:000:93
Nf-From: ux1.cso.uiuc.edu!phil   Mar 20 16:45:00 1990
Posted: Wed Mar 21 02:40:03 1990

How about renaming it the NETWORKING SUITE?

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From 5527898818418298529
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7fb63c886cf297f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-21 03:47:18 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Forgiving the League for Incentive
Message-ID: <30500457@ux1.cso.uiuc.edu>
Date: 21 Mar 90 01:40:13 GMT
References: <9003091756.AA04315@ti.com>
Lines: 19
Nf-ID: #R:<9003091756.AA04315@ti.com>:-27:ux1.cso.uiuc.edu:30500457:000:849
Nf-From: ux1.cso.uiuc.edu!phil   Mar 20 16:43:00 1990
Posted: Wed Mar 21 02:40:13 1990

> > From: phil@ux1.cso.uiuc.edu
> >
> > I do not want to start having the FCC type-accepting ham gear, even though
> > some hams can be using the non-type-accepted gear. It will just end up
> > raising the prices for everyone.
>
> We traded messages earlier on HAMLICEN about type-acceptance and the Canadian
> plan. If I understand the latter correctly, it does not require type-
> acceptance, just commercial manufacture. That's not radically different from
> the present de facto situation. The Canadian plan just makes it de jure. And
> "commercial manufacture" could be extrapolated to include kits.

My response was directed at someone who posted an idea to actually have a lower class of "ham" using type-accepted equipment. They actually used the terrible phrase "type-accepted".

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From 3229248874629198019
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df42017b74bae11b,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-21 04:41:43 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!tut.cis.ohio-state.edu!ucbvax!samsung.com!ginsburg
From: ginsburg@samsung.com (Scott Ginsburg)
Newsgroups: rec.ham-radio
Subject: reaching Jeff Miller
Message-ID: <9003211341.AA22677@imposter>
Date: 21 Mar 90 12:41:43 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: <ginsburg@samsung.com>
Organization: The Internet
Lines: 9
Posted: Wed Mar 21 13:41:43 1990

Is this the appropriate address with which to reach Jeff Miller,
WD6CQV/KH6?

--

Scott Ginsburg WA2CJT   Voice: 508-685-7200 FAX: 508-685-4940
Samsung Software America Internet: ginsburg@samsung.com
Andover, MA

From 8974083135896943015
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d32c5a9b0a6a9b3c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-21 05:04:10 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucla-cs!smcnet!lawrence
From: lawrence@smcnet.UUCP (Lawrence Roney)
Newsgroups: rec.ham-radio
Subject: Address of Wyman Research
Message-ID: <726@smcnet.UUCP>
Date: 21 Mar 90 04:50:42 GMT
Organization: Santa Monica College, Santa Monica, CA 90405
Lines: 12
Posted: Wed Mar 21 05:50:42 1990

Does anyone have the address of Wyman Research. They are the manufacturers of amateur television exciters. While you are looking though your files, think of any comments that you might have on their products. Any response would be greatly appreciated.

73's
--

Lawrence Roney - Santa Monica College Telecommunications Department
KC6HQR   1900 Pico Blvd., Santa Monica, CA 90405-1628
Mail: uunet!ucla-cs!smcnet!lawrence or ...!csun!smcnet!lawrence

From -5822161460706673659
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,75409eb9fcc0e51f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-21 05:40:35 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!tut.cis.ohio-state.edu!ucbvax!UNB.CA!LANG
From: LANG@UNB.CA
Newsgroups: rec.ham-radio
Subject: Global Positioning System status report on WWV/WWVH
Message-ID: <ID6323.D900321.T094036.LANG@UNB.CA>
Date: 21 Mar 90 13:40:35 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19
Posted: Wed Mar 21 14:40:35 1990

Yesterday WWV (and presumably) WWVH began broadcasting reports on the status of the Global Positioning System. The WWV broadcast is at 14 minutes past the hour and is repeated during the following minute. The Omega navigation system status report continues to be broadcast at 16 minutes past the hour. Although I have not heard it yet, I imagine that the GPS report on WWVH is given at 45 and 46 minutes past the hour just before the Omega report at 47 minutes past. Can someone confirm this?

By the way, WWV was predicting a major geomagnetic storm for today. Anyone notice any effects on SW?

```
========================================================================
Richard B. Langley                    BITnet:  LANG@UNB.CA or SE@UNB.CA
Geodetic Research Laboratory          Phone:   (506) 453-5142
Dept. of Surveying Engineering        Telex:   014-46202
University of New Brunswick           FAX:     (506) 453-4943
Fredericton, N.B., Canada  E3B 5A3
========================================================================
```

From -7215076855322698607
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56747e692faff91f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-21 06:09:00 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!think!samsung!uunet!tut.cis.ohio-state.edu!ucbvax!PSUARCH.BITNET!PLB
From: PLB@PSUARCH.BITNET ("P Bandini, PSU Arch Dept, 814/863-0062")
Newsgroups: rec.ham-radio
Subject: Modem tax on phone lines.
Message-ID: <9003220921.AA10239@ucbvax.Berkeley.EDU>
Date: 21 Mar 90 14:09:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU

Organization: The Internet
Lines: 7
Posted: Wed Mar 21 15:09:00 1990

It just came to my attention that the FCC is considering an additional tax for modem use of telephone lines...
Does anybody have any information/comments/suggestions...?
This is my first posting, so please forgive if inappropriate.

Pier L. Bandini, Dept of Architecture, Penn State University.
PLB@PSUARCH.bitnet

From -3862382350003997824
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc83561d415f2d44
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-21 06:17:39 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!samsung!uunet!cadnetix.COM!cadnetix!rusty
From: rusty@cadnetix.COM (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: QSL Cards
Message-ID: <11800@cadnetix.COM>
Date: 21 Mar 90 14:17:39 GMT
References: <132888@sun.Eng.Sun.COM>
Sender: news@cadnetix.COM
Reply-To: rusty@cadnetix.COM (Rusty Carruth)
Organization: Cadnetix Corp., Boulder, CO
Lines: 25
Posted: Wed Mar 21 15:17:39 1990

In article <132888@sun.Eng.Sun.COM> jneher@tenorman.Sun.COM (Jonathan Neher X62863) writes:
>Does anybody have a recommendation for a qsl card
>maker?

I got mine from a place in Texas... Lets see, 'The best printshop in Texas'?
Anyway, the expression 'He is a ham' definately has two meanings with them :-).

My major reasons for choosing them were: they were pretty fast, and pretty cheap. They had some real nice-looking cards, but my card budget is not where I would like it... In any case, I'm relatively satisfied, except that I felt that the printing was not quite as dark as I had expected. Not bad, but not quite as thick on the printing as I had expected from the samples. (but that may be because of my choice of colors...) Bottom line - cheap, pretty fast delivery, not bad quality. If thats what you are looking for, you might want to check them out. If I've got the name wrong, and you cannot find a print shop in Texas with a cute name by looking through QST, email me and I'll look it up.

73 de rusty

---Join the usenet un-net, 28.410 and/or 28.390(+-) 1700Z to 1900Z saturdays!
Rusty Carruth.   Radio: N7IKQ   ^^ or later :-)
DOMAIN: rusty@cadnetix.com   UUCP:{uunet,boulder}!cadnetix!rusty
home: POB. 461, Lafayette CO 80026

From 3104397714949502O6
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,195d6575a2a19e4e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-21 07:09:33 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!tut.cis.ohio-state.edu!ucbvax!STL-06SIMA.ARMY.MIL!wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: Re: anyone know about "litz wire"?
Message-ID: <9003220915.AA09845@ucbvax.Berkeley.EDU>
Date: 21 Mar 90 15:09:33 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 21
Posted: Wed Mar 21 16:09:33 1990

Actually, Litz wire is probably more commonly available now than it was a couple decades back. There has been a LOT of interest in it in audiophile circles. Many of the high-priced interconnects are made with Litz wire, and many audiophile equipment-builders use it for internal wiring of components or modifications to factory gear.

Unfortunately, it doesn't seem to be easily located. I'm sure that's why you posted the query. I just checked 4 of the major electronic-distributor thick catalogs and couldn't find "Litz wire" or ("Litz" listed under the "wire" or "cable" categories) in their indices. I bet these people DO sell the stuff; it just is listed under some other name or terminology.

Somewhere around the house I have a catalog with a batch of samples of Litz wire from some vendor; if I find it I will post the source. I suggest you post a copy of your inquiry on the USENET "audio" group, if you have USENET access, or mail a query to "info-high-audio@csd4.csd.uwm.edu" (the high-end audio mailing list); there are audio-gear builders there who might have info on current Litz wire sources at their fingertips.

Regards, Will
wmartin@st-louis-emh2.army.mil OR wmartin@stl-06sima.army.mil

From -5786097863109460268
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1fbdc09129a6d97e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-21 07:40:00 PST

Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!tut.cis.ohio-state.edu!ucbvax!
SC.INTEL.COM!RHAREL%FAB8
From: RHAREL%FAB8@SC.INTEL.COM ("RICHARD HAREL CAL.LAB INTEL")
Newsgroups: rec.ham-radio
Subject: DUAL-BANDER QUESTIONS/SUGGESTIONS ??
Message-ID: <9003220921.AA10311@ucbvax.Berkeley.EDU>
Date: 21 Mar 90 15:40:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Wed Mar 21 16:40:00 1990

1. Anyone know a MOD for expanding the Kenwood TH-75 Dual-Band Handy beyond 455 Mhz ?? Presently the MOD I made on it allows me Tx Rx from about 395 Mhz. I'd rather have the High UHF range.

2. I had an Icom 3210A but sold it because it couldn't do cross-band repeating with an offset. I'd appreciate feedback from readers as to what they suggest. Seems like the price of two separate xcvrs isn't too far off what some of they "Dual-Banders" are going for.

Feedback is welcomed and appreciated

From 8936412510994390618
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1f849aeeb4153bfb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-21 07:55:38 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!tut.cis.ohio-state.edu!ucbvax!
STL-06SIMA.ARMY.MIL!wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: Re: VE Schedule for NE?
Message-ID: <9003220915.AA09887@ucbvax.Berkeley.EDU>
Date: 21 Mar 90 15:55:38 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 21
Posted: Wed Mar 21 16:55:38 1990

```
>Bring a photo copy of your present license if any, 2 forms of photo ID,
                                                    ^^^^^^^^^^^^^^^^^^^
This is off the original subject by far, but the above caught my eye.
Does the average person these days *have* 2 photo IDs?
                                          -
```

I guess all drivers licenses these days have photos; at least mine does (Missouri). But the only other photo ID I have is my workplace badge. That's because it is a military organization. I know many of my friends who work in other fields, such as teachers and assorted private industry jobs, have no such badges issued to them. Do most school/college ID cards now have photos? (They didn't when I went to school in the '60's.)

I'm guessing many non-drivers may not have *any* photo ID. I guess you
can always go to one of those outfits that sells photo-ID cards, but
they are of course worthless as real ID.

Does this requirement cause any problems? Anybody else out there have
comments on the issue of photo-ID?

Regards, Will
wmartin@st-louis-emh2.army.mil OR wmartin@stl-06sima.army.mil

---

From 8705321048668761438
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1f849aeeb4153bfb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-21 08:32:33 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!think!
snorkelwacker!bloom-beacon!w1gsl
From: w1gsl@athena.mit.edu (Steven L. Finberg)
Newsgroups: rec.ham-radio
Subject: Re: VE Schedule for NE?
Message-ID: <1990Mar21.063652.10871@athena.mit.edu>
Date: 21 Mar 90 06:36:52 GMT
References: <34085@genrad.UUCP>
Sender: news@athena.mit.edu (News system)
Reply-To: w1gsl@athena.mit.edu (Steven L. Finberg)
Organization: Massachusetts Institute of Technology
Lines: 25
Posted: Wed Mar 21 07:36:52 1990

In article <34085@genrad.UUCP> dls@genrad.com (Diana L. Syriac) writes:
>
>
>Meanwhile, I still need the VE Schedule for New England (ie, Central Mass and
>Southern New Hampshire). Is there some kind soul out there who can get this
>data off the packet radio and email it to me instead? (At least email is
>reliable..........:-(
>

I don't have the sked for all NE but

Exams for all class of Amateur License are given every month at MIT in
Cambridge MA.

They are given on the Wednesday evening before the last Wed. of every
month at 7:30 PM in Room 1-150. Walk ins are acepted as long as room is
available.
Bring a photo copy of your present license if any, 2 forms of photo ID,
$4.95 in cash, and a completed form 610 (available from the FCC in
Quency MA) For more info contact Nick at 617 253 3776.

MIT's entrance is located at 77 Mass Ave and posters should lead the way to room 1-150. Ample free parking is available in the evenings.

73 Steve F
W1GSL

From -7359200292358449617
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d600abde0086bc1e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-21 08:34:19 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!bloom-beacon!w1gsl
From: w1gsl@athena.mit.edu (Steven L. Finberg)
Newsgroups: rec.ham-radio
Subject: Satelite data link info WANTED
Summary: Vendor / Tech info WANTED
Message-ID: <1990Mar21.070432.11914@athena.mit.edu>
Date: 21 Mar 90 07:04:32 GMT
Sender: news@athena.mit.edu (News system)
Reply-To: w1gsl@athena.mit.edu (Steven L. Finberg)
Organization: Massachusetts Institute of Technology
Lines: 30
Posted: Wed Mar 21 08:04:32 1990

I am looking to set up a data link, probably full duplex, between a high altitude ultra long duration atmospheric research aircraft and a ground station.

On the order of 4800 bits per second of data is to be transfered. Both telemetry and control is being communicated so the transfer must be real time. (well almost)

Over most of the proposed flight paths any number of synchronous comm sats would be visible to both aircraft and the ground control.

** What is the availability of low bandwidth transponder channnels, who rents them out, how much do they cost?

** Who makes the "ground" stations? Light weight and an omni directional nontracking antenna for the aircraft would be a big plus.

** What are the coverage areas of the satellite receivers? Are their footprints only aimed at land areas?

Thanks in advance.

****
***
Steve Finberg
PO Box 82 MIT BR, Cambridge MA 02139
617-258-3754

w1gsl@athena.mit.edu
W1GSL voice on W1XM/R 449.725 PL 2A
****

From -7055328756509735
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,baf55c0c6f1f0efe
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-21 08:34:42 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!ucsd!ucsdhub!hp-sdd!hp-pcd!hplsla!hpubvwa!johnh
From: johnh@hpubvwa.HP.COM (John Hays)
Newsgroups: rec.ham-radio
Subject: Re: Australian ATV
Message-ID: <2880007@hpubvwa.HP.COM>
Date: 21 Mar 90 16:34:42 GMT
References: <752@tsdiag.ccur.com>
Organization: Hewlett-Packard Bellevue Sales
Lines: 4
Posted: Wed Mar 21 17:34:42 1990

It is possible to get LPTV licenses in the US (translator stations use this license) and use a commercial channel.

John Hays, KD7UW

From 6993808917126071269
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62f04f861dd88a6a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105b48,62f04f861dd88a6a,start
X-Google-Attributes: gid105b48,public
X-Google-Thread: 105d97,62f04f861dd88a6a,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-03-21 09:00:17 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: sci.med,sci.electronics,rec.ham-radio
Subject: "Currents of Death" - Followup
Message-ID: <1478@anasaz.UUCP>
Date: 21 Mar 90 17:00:17 GMT
Followup-To: sci.med
Organization: Anasazi Inc., Phoenix AZ
Lines: 52
Xref: gmdzi sci.med:7832 sci.electronics:5852 rec.ham-radio:10352
Posted: Wed Mar 21 18:00:17 1990

I recently posted a request for information about the effects of ELF electromagnetic fields on health. This was triggered by a cancer cluster in Santa Barbara, CA and Paul Brodeur's book "Currents of Death." I got surprisingly few responses, but they were quite useful, so I thought I would post them for the net.

First, a summary. Currents of Death is a very sensational book by Paul Brodeur which alleges serious health effects from low frequency, low level electromagnetic fields, such as caused by power distribution or CRT sweep circuitry. I was basically very skeptical because of the tone of the book, and the difficulty of explaining biological effects of signals that are way below the thermal noise level in tissue.

One poster referred me to a book review in the April, '90 Scientific American. This review (4 pages long) gives a very good introduction to the controversy. It also refers to an OTA document (which I plan to order) for more information. The gist of the review is that the book does a disservice due to its sensationalism, but that there is enough evidence of biological effects that more research and some prudent concern is warranted.

I also received a call from Abraham Liboff, one of the researchers mentioned in the book. He said that he and others have done a lot of research which shows biological effects of ELF (extremely low frequency) magnetic fields. His research is in the area of ion transport. He has seen "profound effects" in some experiments. He said that there is as yet no good theory as to the mechanism of the effects - a "delicious scientific problem" is how he termed it. Basically the problem is that the effects of the low level magnetic fields are very small compared to thermal effects (kT noise) and thus its hard to come up with a mechanism that will allow the magnetic field to have a net effect. He did mention another researcher (sorry, didn't write down the name) who has done stochastic modelling under those conditions that did show some net effect. He also stated that he felt that higher frequency signals would probably not cause problems (due to their great attenuation when penetrating the body), and that small electric fields would have no effect. This is not surprising, since the body is a pretty good conductor, making it hard for these fields to be concentrated to a high gradient, and cells naturally have very high gradient fields across the membrane. One exception to this is high frequency fields amplitude modulated at an ELF frequency. My thanks to Dr. Liboff for his concern and his time.

It's interesting to note that Brodeur also wrote "The Microwaving of America", which was a scare book of the seventies claiming that low level microwaves were causing a big problem.

--
John Moore (NJ7E)   mcdphx!anasaz!john asuvax!anasaz!john
(602) 951-9326 (day or eve) long palladium, short petroleum
7525 Clearwater Pkwy, Scottsdale, AZ 85253
Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -1593915213632835428

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eb74f6708b759b84
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-21 10:18:44 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!snorkelwacker!think!samsung!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!HICKAM-EMH.AF.MIL!1843eie
From: 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE")
Newsgroups: rec.ham-radio
Subject: Anthropology 101
Message-ID: <9003210804.AA11731@ucbvax.Berkeley.EDU>
Date: 21 Mar 90 08:04:47 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 68
Posted: Wed Mar 21 09:04:47 1990
X-Unparsable-Date: 20 Mar 90 10:06:00 GMT-10:00

INTEROFFICE MEMORANDUM

Date: 20-Mar-1990 10:02am HST
From: 1843EIG/EIE
1843EIE
Dept: 1843EIG/EIE
Tel No: 656-1158

TO: Remote Addressee (_INFO-HAMS@WSMR-SIMTEL20.ARMY.MIL)

Subject: Anthropology 101

>Phil Karn asks "how come the hams who rise to prominent national positions
>always seem to be right wing extremists?"

>Maybe all those folk in the middle prefer them to left-wing extremists :)

Right! When I get up there, I'll be sure to remember y'all :-).

>General LeMay put together the most awesome air strike force ever known.
>For more than 40 years this force, the Strategic Air Command, has managed
>to conduct thousands of operations involving nuclear weapons without ONCE
>ever having a serious mishap. Under LeMay's guidance, the most knowledgeable
>highly disciplined, and competent military force ever assembled has been
>THE most effective deterrent to global warefare. The B36 bomber was the
>first global bomber. Its very existence provided the psychological reason
>to think twice about any subsequent (to Pearl Harbor) attack on the U.S.
>When the B36 became to low and slow, there followed the B47 and B52. The
>B58, first supersonic hi-altitude bomber was "un-defendable" during its day
>and so, also, was an effective deterrent.

Thanks! You said it more eloquently than I ever could. Unfortunately, you did leave out the incident where they dropped a couple of unarmed (obviously)

H-bombs either on Spain or just off the coast back in the late 60's (details escape me at the moment, please don't flame). To this day, that's one of the big reasons the Spanish don't like our bases there.

>Except for the B52, which was used in the Viet Nam war, NONE of these ever
>fired (excuse me) dropped a weapon in anger. I believe that this stands
>in obvious testimony of his dream (yes, "right wing extremists" have dreams
>of peace too). It is no accident that the sign (humorously portrayed in
>Dr. Strangelove) "PEACE IS OUR PROFESSION" stands proudly at the entrance
>to every SAC base. Class dismissed........

>Dube Todd N5PDK

We sometimes used the "Peace is our Profession" motto on the Griffiss AFB (416 BMW (H) (SAC)) club repeater (WA2ZXS) whenever we'd manually ID the thing (e.g., one of the club members would grab the local mike of the repeater and blurt it out, usually during club meetings).

See, I knew I could get this post around to ham radio eventually :-).

```
-------------------------------------------------------------------------------
Jeff Miller, WD6CQV/KH6                |  "Just because I'm a Californian,
USAF MARS:  AFA8JM                     |     it doesn't mean I'm not an
Chief, Engineering Workload Control    |             American!"
1843 EIG/EIP                           |                 -- Agnes DiPesto,
Wheeler AFB, HI  96854-6348            |                   "Moonlighting"
Commercial: (808) 656-1226             |
AUTOVON: (315) 456-1226                |

Opinions?   Me?   On government time?   Ya gotta be kidding!
-------------------------------------------------------------------------------
```

From -3317069948974168381
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d84d14a9c7a3711,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-21 10:18:46 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!snorkelwacker!
tut.cis.ohio-state.edu!ucbvax!UTRCGW.UTC.COM!RJA%UTRC
From: RJA%UTRC@UTRCGW.UTC.COM (RICH)
Newsgroups: rec.ham-radio
Subject: ARRL file format for contest log submissions
Message-ID: <9003210804.AA11730@ucbvax.Berkeley.EDU>
Date: 20 Mar 90 19:01:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 118
Posted: Tue Mar 20 20:01:00 1990

ARRL FILE FORMAT FOR CONTEST LOG SUBMISSIONS

Rich Assarabowski K1CC
Chairman, ARRL Contest Advisory Committee

The ARRL Contest Advisory Committee has adopted a set of guidelines for submitting log entries on diskette. A suggested ASCII file format was initially proposed by the CAC and the ARRL Contest Branch at the beginning of this year. It was distributed within the CAC and among contest software developers for comment. Considerable discussion took place regarding the merits of binary vs. ASCII files, with software developers tending to support binary file formats. The feeling of the CAC was that although binary files are indeed more efficient, they would be more difficult to generate for the average user. This would tend to discourage rather than encourage submissions on diskette. An ASCII file format was therefore adopted for submitting logs in diskette in lieu of paper logs. Since the ARRL Contest Branch uses binary file formats in its log processing software, it will convert the submitted ASCII files into its own binary format. However, the Contest Branch has agreed to work with any software developer who wishes to generate a binary output which could be directly read in by the ARRL log checking software. Several software developers (K1EA, KY1H and K8CC) have already agreed to produce an ARRL binary format option within their programs and will be providing this option in future releases of their software. Contest logs can be submitted in ARRL binary format from those developers who provide this option. Software developers can contact the ARRL Contest Branch for details.

The ARRL Contest Branch for some time now has been working on a set of computer programs for contest log processing. The objective of this effort is to improve the log checking capability and the accuracy of results, and at the same time to reduce the time involved in processing, scoring and verifying submitted logs, both paper and disk-based. It must be strongly emphasized that paper logs will be scrutinized at least as carefully as computer-generated logs (if not more so!). Log submissions not adhering to these guidelines will still be accepted (such as logs duped post-contest without any time, band or exchange information), however, they must be accompanied by a paper log containing the required QSO data.

The guidelines below were revised a number of times and are the result of considerable thought and discussion. We originally developed a fixed-field ASCII file format with very strict requirements regarding data sequence, justification and field definitions. However, we subsequently relaxed these requirements, in order to make it simpler and less error-prone, without too much additional effort on the part of the Contest Branch. Any contest logging program should be able to produce an ASCII output following these guidelines without much difficulty. Almost all commercial database and spreadsheet software provides an ASCII output file option.

We have initially decided to limit the log submissions to IBM PC or compatible (MS-DOS) disks. If there is enough demand in the future for other computers (Commodore, Apple, etc.), the ARRL Contest Branch will consider accepting those as well. It is also possible to submit logs to the ARRL Contest Branch via modem, preferably for smaller logs and for those who cannot create an MS-DOS disk. The ARRL bulletin board is available 24 hours and is currently on line. The telephone number is (203) 665-0090, using 300, 1200 or 2400 baud (No parity, 8 bits, 1 stop bit). Please follow the same file format as for disk submissions, and be sure to send in your paper summary sheet via the mail.

Finally, the CQ Contest Committee has agreed to accept the ARRL ASCII format as a standard as well, and will encourage submissions in that format. Other formats will be accepted but must be accompanied by a paper log. The ARRL Contest Branch will be working with the CQ Committee in maintaining a unique call sign database and in sharing their log checking methodologies.

SUGGESTED STANDARD FILE FORMAT FOR SUBMISSION OF ARRL CONTEST LOG DATA

1. All files must be in standard ASCII format.

2. All files must be on an MS-DOS formatted disk, 3.5 inch (720K or 1.44 MB) or 5 1/4" (360K or 1.2 MB).

3. A diskette label should clearly indicate the call used, contest name, entry class and date of the contest.

4. The log file must consist of one line of data per QSO, without headers, footers, page breaks or other non-ASCII characters.

5. All QSO data must appear in each line, aligned by column, and must include the following:

    BAND - Wavelength for HF (10,15,20,...) and frequency for VHF
    MODE - PH, CW, RTTY, etc.
    DATE - In MM/DD/YY or DD/MM/YY format
    TIME - 4-digit UTC (without colons)
    CALL - Call sign of station worked (allow 15 columns)
    SENT - Complete exchange sent
    RECEIVED - Complete exchange received
    MULTS - Indication of multipliers, either a symbol, sequential number of multiplier or section/prefix/zone, etc.
    POINTS - ALL unclaimed QSO's must be "0" points
    STATION - Entries in the multi-operator, two-transmitter (Multi-2) class in the ARRL International DX Contest or any contest in which two different station logs are merged must indicate which transmitter made which QSO's.

6. The log data file name shall consist of the call sign and the extension ".LOG", for example, K1CC.LOG.

7. State abbreviations must be standard US Postal Service two-letter abbreviations, ARRL section abbreviations must be those appearing on the ARRL summary sheet for that particular contest.

8. A paper summary sheet is required of all logs, either an official ARRL summary sheet or a close facsimile with a signed contest participation disclaimer.

8. All diskettes become the property of the ARRL and are not returnable.

```
From 4540243077195272007
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eb74f6708b759b84
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-21 10:18:50 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!snorkelwacker!
tut.cis.ohio-state.edu!ucbvax!STL-06SIMA.ARMY.MIL!wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: Re:  Anthropology 101
Message-ID: <9003210804.AA11806@ucbvax.Berkeley.EDU>
Date: 20 Mar 90 20:58:03 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Tue Mar 20 21:58:03 1990


 > I had forgotten that LeMay was/is a ham. From my online callbook:
 >
 > Call:           W6EZV
 > Class:          General          <-------HOW APPROPRIATE!
 > Name:           Curtis E Le May

Now THERE'S someone who should never get an Extra or Advanced!
             :-) :-) :-) :-) :-) :-) :-)
```

```
From 2257441747016132120
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d571d65787f147d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-21 10:47:00 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!tut.cis.ohio-state.edu!ucbvax!
OAC.UCLA.EDU!CSMSCST
From: CSMSCST@OAC.UCLA.EDU (Chris Thomas)
Newsgroups: rec.ham-radio
Subject: QSL routes needed
Message-ID: <9003220921.AA10277@ucbvax.Berkeley.EDU>
Date: 21 Mar 90 18:47:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
```

Organization: The Internet
Lines: 12
Posted: Wed Mar 21 19:47:00 1990

Can anyone provide QSL route info for:

TI10E (Costa Rica - 10th district?)
ZK1XC (So. Cooks. The ZK1X... calls are recycled frequently.
I need the current (3/90) addr, not the 1989 addr in
W6GO's list).

Also, can any of you DX mavens tell me whether a 1961 contact with KG1FR (Sondrestormfjord ARC) qualifies for DXCC credit for Greenland? The ARRL's current DXCC country list shows only OX as Greenland. KG1 was used for US forces in Greenland in the 60's.

From 3369334284610292028
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,297c390a5f337cf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-21 11:01:36 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!cica!iuvax!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: NPRM 90-55 - No test code
Message-ID: <30500459@ux1.cso.uiuc.edu>
Date: 21 Mar 90 06:58:00 GMT
References: <905812737@masnet.uucp>
Lines: 51
Nf-ID: #R:masnet.uucp:905812737:ux1.cso.uiuc.edu:30500459:000:2621
Nf-From: ux1.cso.uiuc.edu!phil   Mar 21 00:58:00 1990
Posted: Wed Mar 21 07:58:00 1990

> Just a personal opinion but if children of 7 years of age, and people
> of 75 years of age can learn International code at 10 wpm (the current
> Canadian requirement for HF priviledges) then I don't see how anyone
> can not learn it at 5 wpm! A lot of the trouble is that people just
> don't want to be told you *have* to do something. Just an opinion.

Here is an example of statements which are truthful, but by virtue of their incompleteness, can be misleading.

The statement about people of 7 and 75 learning code is not complete. There is no evidence that this capability is existant in 100% of the population at 7, 75, or anywhere in between. Sure, many people at these extreme ages can and do learn code. It is a safe assumption that many, and quite possibly many more, people in between can and do learn code. No one can truthfully say that everyone can learn code.

The opinion that people don't want to learn what they are told to learn is also not complete. While some may not want to just for that very reason alone, many others do not want to IN CONJUNCTION with the fact that they know that learning code is not going to help them in what they happen to be interested in doing. Some people don't like being told that they have to learn something they know they are not going to use and will do them no good. This does not apply to everyone, because not everyone falls into the category of "will not be using code"; but some people are in this category.

Further, because hams have (and certainly at least in the past this has been MOST hams) wanted everyone to pass a code test to "get in", the "outsiders" who were interested in other things looked upon the hams, and the amateur radio service itself, as having an "attitude problem". Probably everyone has an attitude "problem", but some of us are just not making much of an effort to get along with those who have a DIFFERENT attitude problem.

> BTW, I am not an objector to a no-code intro level licence, there is a
> VHF only n0-code going into effect here next September and I think it
> will be a benefit to the hobby but I can see all sorts of problems with
> a no-code HF licence.
>
> 73, Dean VE1CBF

From my understanding, the Canadian restructuring does not involve any no-code HF license class. Unless and until such a thing is proposed, you should not have too much to worry about. In fact, something very close to the Canadian system is being discussed by some as a possible structure for the United States (it even has the correct number of classes for the FCC computer system).

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

```
From -287846929114051480
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,346e9a4893cd3933
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-21 11:02:04 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!tut.cis.ohio-state.edu!
usenet.ins.cwru.edu!cwjcc!ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery)
Newsgroups: rec.ham-radio
Subject: Re: last saturday!  Wow!
Message-ID: <1990Mar21.031120.20185@NCoast.ORG>
Date: 21 Mar 90 03:11:20 GMT
References: <11785@cadnetix.COM>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery)
Followup-To: rec.ham-radio
Organization: North Coast Public Access UN*X, Cleveland, OH
```

Lines: 17
Posted: Wed Mar 21 04:11:20 1990

As quoted from <11785@cadnetix.COM> by rusty@cadnetix.COM (Rusty Carruth):
+---------------
| Which reminds me - I had an email message a while back which said that
| I should not work HF SSB because it would ruin my upgrading. Not so!
| Making contacts on HF only makes me fear the time when 10m becomes a
| local-only band... No way do I want to be a Tech when the sunspots
| change! This is too much fun!
+---------------

That tears it: I'm going for my ticket this weekend, in hopes of being on the air before things fade out too much!

++Brandon
--
Brandon S. Allbery (human), allbery@NCoast.ORG (Inet), BALLBERY (MCI Mail)
ALLBERY (Delphi), uunet!cwjcc.cwru.edu!ncoast!allbery (UUCP), B.ALLBERY (GEnie)
BrandonA (A-Online) ("...and a partridge in a pear tree!" ;-)

From -2675274951375197861
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eb74f6708b759b84
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-21 11:15:38 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!wuarchive!texbell!bellcore!ka9q.bellcore.com!karn
From: karn@ka9q.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Re: Anthropology 101
Message-ID: <21136@bellcore.bellcore.com>
Date: 21 Mar 90 08:32:22 GMT
References: <9003192059.AA25965@ti.com>
Sender: news@bellcore.bellcore.com
Reply-To: karn@ka9q.bellcore.com (Phil Karn)
Organization: Secular Humanists for No-Code
Lines: 37
Posted: Wed Mar 21 09:32:22 1990

In article <9003192059.AA25965@ti.com> dube@cpdvax.csc.ti.com (DUBE TODD) writes:
>General LeMay put together the most awesome air strike force ever known.
>For more than 40 years this force, the Strategic Air Command, has managed
>to conduct thousands of operations involving nuclear weapons without ONCE
>ever having a serious mishap.

Uh, I wouldn't be so definite. In the back of the fascinating book "US Nuclear Weapons" by Chuck Hansen (1988, Orion Books, ISBN 0-517-56740-7) is a list of "Broken Arrow" incidents (accidents involving nuclear weapons). Hansen described 32 in the period 1950-1980. Most of the accidents involved aircraft, including the famous incident off the coast of Spain in 1966 when a B-52 carrying four MK28RI bombs (with rated yields as high as 1.45 megatons each) collided with a tanker during an in-flight refueling operation. The bombs in this particular case were recovered. But if the descriptions of some of the other incidents can be believed, there is more than one nuclear weapon sitting on the ocean floor, waiting to be discovered someday. (Sounds like an idea for a novel...)

The author added a footnote explaining that other, additional accidents still remain classified. One can only wonder what THEY involved.

I can highly recommend this book to anyone with an interest in the history of nuclear weapons. It's not a literary epic like Rhodes' "The Making of the Atomic Bomb", but he picks up where Rhodes left off (the development of thermonuclear weapons). The book contains a LOT of technical details, including those the government tried to keep a magazine from publishing in 1979.

By the way (just to relate this somehow to ham radio) if you are going to Dayton this year, consider going a day early and spending a day at the US Air Force Museum at Wright Patterson Air Force Base. Scattered among the many airplanes are quite a few nuclear weapons (okay, weapon *cases*) including Little Boy and Fat Man. Somehow, seeing them "in the flesh" made the arms race and the potential of nuclear war suddenly seem a lot less abstract to me.

Phil

From -3612005240111822853
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,297c390a5f337cf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-21 23:01:59 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!think!samsung!uunet!
tut.cis.ohio-state.edu!ucbvax!hplabs!hpl-opus!labelle
From: labelle@hpl-opus.HP.COM (George LaBelle)
Newsgroups: rec.ham-radio
Subject: Re: Re: NPRM 90-55 - No test code
Message-ID: <64840032@hpl-opus.HP.COM>
Date: 21 Mar 90 15:47:18 GMT
References: <90032010271489@masnet.uucp>
Organization: HP Labs, High Speed Electronics Dept., Palo Alto, CA
Lines: 44
Posted: Wed Mar 21 16:47:18 1990

> Dean VE1CBF writes:
> Just a personal opinion but if children of 7 years of age, and people
> of 75 years of age can learn International code at 10 wpm.......

>...... and I think it
> will be a benefit to the hobby but I can see all sorts of problems with
> a no-code HF licence.

When ham radio began, CW is ALL THERE WAS. It made some sense then to require proficiency in CW to "get on the air".
CW, now, is just a novely mode - with the exception of truly week signal communications. Therefore there is no reason why proficiency in CW should be a requirement to obtain a ham license; considering that many people never use it again, and it is just an unwarranted stumbling block to many technically inclined persons who could and would "advance the state of the art" in the many other areas of radio communications - Frequency compaction, Microwaves, Software.. etc. These things didn't even exist when ham radio began. We are losing the benefit of their contributions by maintaining an archaic, hand-eye coordination skill, as a requirement for gaining access to a, now, multi-faceted technical hobby. Computers and bulletin boards are where all the modern day potential hams practice a hobby, now.

I maintain that to use the airwaves, and gain access to this great hobby, there should be only a few requirements. The individual should be aware of the rules and frequency allocations. They should have enough technical knowledge to properly operate their equipment and be able to solve interference problems if they arise. Maybe a sound introduction to curteous operation would also be in order - and that's it.

Let's open up the hobby so more people can take advantage of the opportunities and by so doing, increase the strength of amateur radio and increase public technical knowledge.

George La Belle   uucp: hplabs!hpl-opus!labelle
Hewlett Packard Labs   smtp: labelle@hpl-opus
P.O. Box 10490   arpanet: labelle%hpl-opus@hp-sde.hp.com
Palo Alto, Ca. 94303   hpdesk: GEORGE LABELLE /HP1900/UX
phone   (415) 857-4679
ham   WB6YZZ

From 6343619734768301674
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a765f479e2f5eb47
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-21 23:10:14 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!think!samsung!uakari.primate.wisc.edu!uflorida!haven!decuac!shlump.nac.dec.com!ryn.esg.dec.com!cimnet.dec.com!pierson
From: pierson@cimnet.dec.com
Newsgroups: rec.ham-radio
Subject: Re: Electromagnetic Fields
Message-ID: <972@ryn.esg.dec.com>
Date: 21 Mar 90 17:38:05 GMT
Sender: guest@ryn.esg.dec.com
Organization: Digital Equipment Corporation

Lines: 19
Posted: Wed Mar 21 18:38:05 1990

Another source on this is:
     Biological Effects of Power Frequency Electric And Magnetic Fields.
     US Government Printing Office
     $4.75
     Stock Number 052-003-01152-2

This reports on some experiments in detail, and provides an _extensive_ bibliography. It was prepared by researchers at Carnegie-Mellon, under contract to the Office of Technology Assessment (which is an arm of Congress, I think....). Government Printing Office bookstores can be found in many cities (they also sell FCC rules...8)>>)

```
thanks
dave pierson               |the facts, as accurately as i can manage
Digital Equipment Corporation    |the opinions, my own
600 Nickerson Rd
Marlboro, Mass
01752                      pierson@cimnet.enet.dec.com
"He has read everything, and, to his credit, written nothing."
     A J Raffles
```

From -8114400871354907l1
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,195d6575a2a19e4e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-22 00:32:36 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!sol.ctr.columbia.edu!samsung!usc!ucsd!helios.ee.lbl.gov!pasteur!ucbvax!hplabs!hpl-opus!hpnmdla!hpsad!mikew
From: mikew@hpsad.HP.COM (Mike Weihman)
Newsgroups: rec.ham-radio
Subject: Re: anyone know about "litz wire"?
Message-ID: <1530041@hpsad.HP.COM>
Date: 21 Mar 90 18:32:27 GMT
References: <579@sierra.stanford.edu>
Organization: HP Signal Analysis Div - Rohnert Park, CA
Lines: 56
Posted: Wed Mar 21 19:32:27 1990

> From: beale@sierra.Stanford.EDU (John P. Beale):
>
>   A colleague of mine is interested in finding out about litz wire-

>   I gather that Litz wire is a bundle of finely stranded wires with
> each strand insulated from the others, thus having lower losses at
> very high frequencies than solid wire with the same cross section,
> assuming the skin depth is smaller than the radius of the wire.

Yes, that's the stuff. In fact the losses due to skin effect resistance will be lower than for solid wire even if the skin depth is not smaller than the wire radius., although the benefit might be diminished in the extreme case. (operating frequency --> DC)

> I understand that this stuff was often used in low-loss inductors and the circularly-wound indoor antennas found on early BC-band radio receivers.

Well, it is still very popular in switching power supply design, where high currents and high frequency (10s and 100s of kHz) exist together. Litz wire is used in the windings of transformers and chokes where long pieces of wire are needed to carry high current with low resistive losses. Another technique commonly used is to wind a winding with thin copper strap. This, like litz wire, has a high surface area-to-volume ratio, and also has the benefit of a self-inductance which is lower than litz wire.

> It seems to be hard to find mention of it these days, though, although the laws of physics haven't changed in 50 years and whatever advantages it had then should still apply. Perhaps the nuisance value of soldering all those little strands together was the problem; I don't know.

It's actually very easy to solder: one dips the end into a solder pot which melts away the insulation and tins the wire simultaneously.

>
> Anyway, if you have a current source for the stuff, I'd appreciate hearing from you!   -- N8JUF   beale@sierra.stanford.edu --

I have a list of half a dozen manufacturers if that's what you're looking for...email me if you'd like it.

-mike

```
**********************************************************
Mike Weihman                   n1dje:    RACES, CDF-VIP
mikew@hpsadmjw.hp.com
mikew%hpsad@hp-sde.sde.hp.com

Hewlett-Packard Co.            Volunteer firefighter/EMT
Signal Analysis Div.           Penngrove Fire Prot. Dist.
1212 Valley House Dr.          Penngrove, CA
Rohnert Park, CA 94928
(707)794-4454
**********************************************************
```

```
From 5762238430649829920
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,910a27be10096ea0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-22 00:40:10 PST
```

Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!think!samsung!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.UUCP (Eton Witherspoon)
Newsgroups: rec.ham-radio
Subject: Namibia
Keywords: V51NAM
Message-ID: <26599@ut-emx.UUCP>
Date: 21 Mar 90 21:45:43 GMT
Organization: The University of Texas at Austin, Austin, Texas
Lines: 15
Posted: Wed Mar 21 22:45:43 1990

Namibia's independence is being celebrated on the air at the moment. Listen for V51NAM (Victory 51 NAMibia) and give them a call to help celebrate. I've heard them on 10 and 20 ssb - in fact there were 2 or 3 stations on 20m at the same time with this call. I don't have the QSL route, but they were asking that you get the op's name and put it on your card so that they can figure out which station you worked. (Namibia used to be ZS3, and was counted separately from ZS1 et al for DXCC purposes, so the main change for DXers is the new prefix, if you are into such things).

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu

From 6169429991091163307
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3b40e6e7d7cee24
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,d3b40e6e7d7cee24
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-03-22 00:50:10 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!think!samsung!cs.utexas.edu!asuvax!hrc!godzilla!dalyb
From: dalyb@godzilla.UUCP (Brian Daly)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Sweeping carrier in the HF bands
Summary: spread spectrum?
Message-ID: <4955247a.1423f@godzilla.UUCP>
Date: 21 Mar 90 20:56:38 GMT
References: <3034@radio.oakhill.UUCP> <16508@orstcs.CS.ORST.EDU>
Organization: gte
Lines: 30
Xref: gmdzi rec.ham-radio:10333 rec.radio.shortwave:730
Posted: Wed Mar 21 21:56:38 1990

In article <16508@orstcs.CS.ORST.EDU>, liud@guille.ECE.ORST.EDU (Don Liu) writes:

> In article <3034@radio.oakhill.UUCP> charlie@oakhill.UUCP (Charlie Thompson) writes:

> >I have noticed (for some time now) a sweeping carrier
> >passing through the HF bands. It appears both in the
> >amateur HF bands and other HF frequencies as well.
>
> >Anybody have any explanations?
> >Thanks in advance,
>
> These are the SPREAD SPECTRUM communication signals. There are
> usually two modulating signals. One is the useful signal which
>

Spread spectrum signals would not be received as a "continuously" sweeping carrier, as the original article mentions. There are two types of spread spectrum -- frequency hopping, ans pseudo-random noise. In frequency hopping, the carrier is "hopped" over many frequencies, not a continuous sweeping. In PN, the bandwidth of the signal is spread and requires special detection circuits -- not something that would be picked up be your everyday SW receiver.

My quess is the continuous sweeping is some sort of OTH backscatter radar.

73's.

--
Brian K. Daly WB7OML @ AG Communication Systems, Phoenix, Arizona
UUCP: {...!ames!ncar!noao!asuvax | uunet!zardoz!hrc | att}!gtephx!dalyb
Phone: (602) 582-7644   FAX: (602) 582-7111
~

From 3643661701519296993
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,195d6575a2a19e4e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-22 02:04:53 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!cica!tut.cis.ohio-state.edu!ucbvax!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: anyone know about "litz wire"?
Message-ID: <18230015@hpfcdj.HP.COM>
Date: 21 Mar 90 19:02:38 GMT
References: <579@sierra.stanford.edu>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 19
Posted: Wed Mar 21 20:02:38 1990

> I gather that Litz wire is a bundle of finely stranded wires with
>each strand insulated from the others, thus having lower losses at
>very high frequencies than solid wire with the same cross section,
>assuming the skin depth is smaller than the radius of the wire.

Absolutely correct, with the extra note that true Litz wire will have braided strands (as opposed to the simple twisting of normal stranded wire) so that each strand follows the same average path. I believe that this is an attempt to hold down the self-inductance that a simple helical path would give.

I don't have a source handy, although any of the major wire manufacturers probably make it. It IS still in use - look, for example, at the deflection yokes on various very-high-resolution monitors.

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
myers%hpfcla@hplabs.hp.com               |  sentient life-form on this planet.
```

From 7786179005054732698
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c93ac64cc7801bd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-22 12:01:52 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!tut.cis.ohio-state.edu!ucbvax!wpafb-ams1.af.mil!bob%50781.decnet
From: bob%50781.decnet@wpafb-ams1.af.mil ("50781::BOB")
Newsgroups: rec.ham-radio
Subject: Litz wire.
Message-ID: <9003220922.AA10350@ucbvax.Berkeley.EDU>
Date: 21 Mar 90 22:43:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Wed Mar 21 23:43:00 1990

I don't know about Litz wire but if you really get desperate, look in the Thomas Register. Any larget library should have it. Call 'em up and ask for a distributor in your area.

Bob N5GNA

P.S. Re: Phone tax on modems.

Please don't start that again.

From 3586270224627125280
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e075548aa1ebfb8d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-22 12:15:39 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!think!zaphod.mps.ohio-state.edu!van-bc!ubc-cs!alberta!dvinci!weyr!Ken.Crowston
From: Ken.Crowston@weyr.FIDONET.ORG (Ken Crowston)
Newsgroups: rec.ham-radio

Subject: re: Licensing in Alberta (specificly in Calgary).
Message-ID: <608.2608872F@weyr.FIDONET.ORG>
Date: 22 Mar 90 04:51:04 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 15
Posted: Thu Mar 22 05:51:04 1990

Re: Ham Licence Canada (Calgary)

Try looking up Communications Canada in the phone book under Government of Canada.
If there is no office in Calgary, there should be one in Edmonton.

If all else fails - call information and ask for the nearest Communications Canada
office. That should get you started in the right direction.

Good luck and 73's - hope to meet you on the air soon.

VE5KEN - Ken, Saskatoon, Saskatchewan

--
Ken Crowston - via FidoNet node 1:140/22
UUCP: alberta!dvinci!weyr!Ken.Crowston
Internet: Ken.Crowston@weyr.FIDONET.ORG
Standard Disclaimers Apply...

From -2955514191067594183
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,83a38aea8a14318e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-22 12:16:36 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!think!samsung!uunet!mnetor!
tmsoft!masnet!canremote!robert.bonenfant
From: robert.bonenfant@canremote.uucp (ROBERT BONENFANT)
Newsgroups: rec.ham-radio
Subject: Re: BOOKS
Message-ID: <90032122263545@masnet.uucp>
Date: 22 Mar 90 02:53:00 GMT
Organization: Canada Remote Systems Limited, Mississauga, ON, Canada
Lines: 11
Posted: Thu Mar 22 03:53:00 1990

HI TO ALL

Can anyone tell me the address for the mag. called "THE SECRECT
C.B.", i known i'm in the ham conf. but Who better to ask about these
types of books. anyway i'm interested in this in knowning the address or
a book store in the toronto area that would care this type of mag.

Thanks
Robert Bonenfant

---

 * Via ProDoor 3.1R

From -1011339362662438387
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,195d6575a2a19e4e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-22 12:32:37 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!tut.cis.ohio-state.edu!
cs.utexas.edu!rice!uw-beaver!sumax!amc-gw!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: anyone know about "litz wire"?
Keywords: hardware, old, Litz, litz wire, attenuation
Message-ID: <571@ssc.UUCP>
Date: 21 Mar 90 21:58:04 GMT
References: <579@sierra.stanford.edu>
Organization: SSC, Inc., Seattle, WA
Lines: 21
Posted: Wed Mar 21 22:58:04 1990

In article <579@sierra.stanford.edu>, beale@sierra.Stanford.EDU (John P. Beale)
writes:
>
> A colleague of mine is interested in finding out about litz wire-
> past and present manufacturers, performance data (specifically
> attenuation versus frequency, eg from skin effect in an antenna
> application), and from whom any might be available today.
> I gather that Litz wire is a bundle of finely stranded wires with
> each strand insulated from the others, thus having lower losses at
> very high frequencies than solid wire with the same cross section,
> assuming the skin depth is smaller than the radius of the wire.

From "Optimum Wire Size for RF Coils", Charles J. Michaels, W7XC,
QEX number 66, August 1987

"For those interested in the low frequency experimental band at 160-190
Khz, Litz wire can be used to increase Q. For most amateurs, however, Litz
wire is of no advantage; its effect disappears at frequencies above about
0.8 Mhz."

markz@ssc.uucp

From 519973707150900701
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1f849aeeb4153bfb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-22 15:18:10 PST
Path: gmdzi!unido!fauern!ira.uka.de!sol.ctr.columbia.edu!samsung!
brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!uicsrd.csrd.uiuc.edu!look
From: look@uicsrd.csrd.uiuc.edu (Stephen Look)
Newsgroups: rec.ham-radio

Subject: Re: VE Schedule for NE?
Message-ID: <1990Mar22.181946.2006@ux1.cso.uiuc.edu>
Date: 22 Mar 90 18:19:46 GMT
References: <9003220915.AA09887@ucbvax.Berkeley.EDU>
Sender: usenet@ux1.cso.uiuc.edu (News)
Reply-To: look@uicsrd.csrd.uiuc.edu (Stephen Look)
Organization: Center for Supercomputing Research and Development, Univ. of Illinois
Lines: 21
Posted: Thu Mar 22 19:19:46 1990

In article <9003220915.AA09887@ucbvax.Berkeley.EDU> wmartin@STL-06SIMA.ARMY.MIL (Will Martin) writes:
>>Bring a photo copy of your present license if any, 2 forms of photo ID,
>   ^^^^^^^^^^^^^^^^^^^
>This is off the original subject by far, but the above caught my eye.
>Does the average person these days *have* 2 photo IDs?
>   -
>Does this requirement cause any problems? Anybody else out there have
>comments on the issue of photo-ID?
>
>Regards, Will
>wmartin@st-louis-emh2.army.mil OR wmartin@stl-06sima.army.mil

I recommend getting a Firearm Owner's Identification Card. Here in Illinois it is a photo ID that is very easy to get. You pick up the form at any place that sells guns, get a Photomat picture of yourself and a check for $5 and send it in. They put the picture on the card with the info and laminate the works. Also good for writing checks and they ask for DL and a credit card. I just give them the FOIC instead of letting them write down my credit card numbers all over the place.

Steve

From 9132844960660960686
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc83561d415f2d44
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-22 21:16:03 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!apple!agate!shelby!portia!stankus
From: stankus@portia.Stanford.EDU (John Stankus)
Newsgroups: rec.ham-radio
Subject: Re: QSL Cards
Summary: Little Printshop
Message-ID: <10455@portia.Stanford.EDU>
Date: 22 Mar 90 19:19:59 GMT
References: <132888@sun.Eng.Sun.COM> <11800@cadnetix.COM>
Sender: John Stankus <stankus@portia.stanford.edu>
Organization: Stanford University
Lines: 12
Posted: Thu Mar 22 20:19:59 1990

The QSL card printer in TEXAS is the Little Printshop. It is in Pflugerville, TX (Just a hair north of Austin). I don't have the address here at work, but can get it for you from home. I've met the guy that runs the place back when I lived in Austin. He's a real nice guy.

```
John J. Stankus, N5PEE                   Department of Chemistry
stankus@portia.stanford.edu              Stanford University
```

From -4355201316194774458
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c442899237ed3b7d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-22 21:16:08 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!ames!pacbell!uop!quack!mrapple
From: mrapple@quack.UUCP (Nick Sayer)
Newsgroups: rec.ham-radio
Subject: Amateur Rules in France, Germany, Spain, Italy & Austria
Message-ID: <5212@quack.UUCP>
Date: 22 Mar 90 08:38:48 GMT
Organization: The Goose Egg, Stockton, CA
Lines: 24
Posted: Thu Mar 22 09:38:48 1990

I'm visiting Europe this Summer and am going to take my 2M HT with me. I have sent away for reciprocal permits for France, Germany, and Spain, and will also obtain permits in Italy and Austria. I have already received the French permit. My next question concerns operating procedures & rules.

Could anyone familiar with rules and/or customs in any of these countries please send me some basic guidelines and/or differences from the way things are done in KNW land? I'd hate to get my permit pulled simply because I was an ugly American. :-) I speak bueno turisto Spanisho, but can't speak a word of French, German or Italian to save my life. I'm hoping I can use IPA to give my callsign (e.g. Foxtrot slant November Six Quebec Quebec Quebec) and find some English speaking repeaters out and about. I've checked and I can train my rig to do 12.5kHz stepping, but I don't have any tone burst, and I understand PLs aren't used over there.

Thanks in advance for any European operating advice.

```
--
Nick Sayer  -  The Goose Egg public unix  -  209-952-5347 (Telebit)
-------------------------------+--------------------------------
quack!mrapple@uop.edu          ! (frying pan) This is school.
...pacbell!sactoh0!quack!mrapple ! (egg) This is your brain.
```

N6QQQ (145.75 - TCP/IP soon)   ! <<sizzle>> This is your brain in school.

From -3755673013148737489
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1fbdc09129a6d97e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-22 21:18:52 PST
Path: gmdzi!unido!mcsun!uunet!samsung!brutus.cs.uiuc.edu!apple!sun-barr!newstop!texsun!smunews!ti-csl!osage!hoenig
From: hoenig@osage.csc.ti.com (Mike Hoenig)
Newsgroups: rec.ham-radio
Subject: Re: DUAL-BANDER QUESTIONS/SUGGESTIONS ??
Message-ID: <116002@ti-csl.csc.ti.com>
Date: 22 Mar 90 19:06:36 GMT
References: <9003220921.AA10311@ucbvax.Berkeley.EDU>
Sender: news@ti-csl.csc.ti.com
Organization: TI Computer Science Center, Dallas
Lines: 16
Posted: Thu Mar 22 20:06:36 1990

In article <9003220921.AA10311@ucbvax.Berkeley.EDU> RHAREL%FAB8@SC.INTEL.COM ("RICHARD HAREL CAL.LAB INTEL") writes:
>1.   Anyone know a MOD for expanding the Kenwood TH-75 Dual-Band Handy
>   beyond 455 Mhz ?? Presently the MOD I made on it allows me Tx Rx
>   from about 395 Mhz. I'd rather have the High UHF range.

Richard: I have a TH-75, modified, but it doesn't transmit at 395 MHz. The mod I made was simply to remove the green wire inside the front of the unit. This merely expanded the receive bandwidth on both bands, as well as allowing xmit for the full 420-450 MHz.

Pray tell, good sir, what is the modification you performed? Also, what freq's did it open up to you? (Gosh! I'm just *full* of questions today!) Are you aware of a mod which allows cross-band repeater operation for the TH-75?

        Thanks (as "they" say) in advance,
        Mike N5LTL

From 4151701022575737303
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56747e692faff91f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-22 21:31:11 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!swbatl!texbell!merch!cpe!stevedak
From: stevedak@cpe.UUCP
Newsgroups: rec.ham-radio
Subject: Re: Modem tax on phone lines.
Message-ID: <37400010@cpe>
Date: 22 Mar 90 17:27:00 GMT
References: <10239@ucbvax.Berkeley.EDU>

Lines: 17
Nf-ID: #R:ucbvax.Berkeley.EDU:10239:cpe:37400010:000:801
Nf-From: cpe.UUCP!stevedak   Mar 22 11:27:00 1990
Posted: Thu Mar 22 18:27:00 1990

>It just came to my attention that the FCC is considering an
>additional tax for modem use of telephone lines...
>Does anybody have any information/comments/suggestions...?
>This is my first posting, so please forgive if inappropriate.

>Pier L. Bandini, Dept of Architecture, Penn State University.

I don't know anything about this specific proposal, but I am aware that
Southwestern Bell attempted the same thing two or three years ago.
The idea got shot down because it was argued that modem users were receiving
the same quality of service that everyone else was. Therefore, it was
not fair to single them out for additional charges. Appearantly they were
trying to find new sources of revenue to make up for the fact that they were
no longer being subsidised by A.T.&T.

Steve Dakin wq5n

From 5635703925429793403
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3fdfbcc5fa91adec
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-22 22:30:36 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cornell!rochester!ray
From: ray@cs.rochester.edu (Ray Frank)
Newsgroups: rec.ham-radio
Subject: Re: Bearcat 200XLT Mod
Message-ID: <1990Mar22.195442.21552@cs.rochester.edu>
Date: 22 Mar 90 19:54:42 GMT
References: <9002130348.AA14607@DELPHI.MIT.EDU> <5521@dell.dell.com>
<13097@cbnewse.ATT.COM> <34689@cci632.UUCP> <10198@cbmvax.commodore.com>
Reply-To: ray@cs.rochester.edu (Ray Frank)
Organization: University of Rochester Computer Science Department
Lines: 56
Posted: Thu Mar 22 20:54:42 1990

In article <10198@cbmvax.commodore.com> schein@cbmvax (Dan Schein - Guest) writes:
>In article <34689@cci632.UUCP> rkd@cci632.UUCP (Ray Downes) writes:
>>Randall J. Davis writes:
>>
>>Ok, now I'm confused (easily so I guess). I just received one of these
>>(BC200XLT) via Grove. It makes my PRO34 look and feel very wimpy - how
>>much are PRO34's worth on the used market? Grove included instructions
>
>   GULP....   I just sent a check for $175 to buy a used PRO34 last
>   week. Now that I hear about your 200XLT im not feeling all that well.
>

```
>   Sneakers
>
>--
>                                   ___
>    Dan "Sneakers" Schein         ////  Quote:
>    Guest of Commodore           ////        Those who worked the hardest
>    International Ltd.     ___  ////         are the last to surrender.
>                           \\\\////                -= Gary Ward =-
>                            \\\///
>    sneakers%heimat@commodore.com    (or)    uunet!cbmvax!heimat!sneakers
```

This is a great price for the PRO34. Read on:

I own a PRO34 and am quite happy with it. I believe it is every bit as good as any other scanner in this price range including Bearcat. There are two things that Bearcat has done better than the PRO34. One is that it scans at twice the speed and two, it has a better audio output.

The things I like about the PRO34 that the Bearcat doesn't have:

You don't have to use a battery pack like in the Bearcat. You can use nicads or regular batteries, which means when you need batteries, you can shop around for cheap nicads or cheap alkaline types instead of having to pay Bearcat for an expense battery pack. The nicades I am presently using in my PRO cost me about six dollars total.

I believe there is more information presented on the PRO LCD readout than in the Bearcat.

And I don't believe the Bearcat has two buttons on top for scan and manual like the PRO does. This is real handy for one hand operation and you don't have to fumble for the keys or look at what you are doing to go back and forth from manual to scan.

And finally, I believe the search features on the PRO are superior to the Bearcat. You can do an automatic scan up or down from a programmed frequency. Does the Bearcat have 10 auxillary memories for storing search frequencies like the PRO does?

All in all, they are both great scanners for the money.
Of course I bought my PRO on sale for $229 dollars. And when I don't pay what I think is too high a price for something I simply enjoy it more.

ray

From 4802626363952695398
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5943c641c136d40c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-23 01:42:07 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!newstop!sun!amdahl!twg.com!

sawyer
From: sawyer@twg.com (Bruce B. Sawyer)
Newsgroups: rec.ham-radio
Subject: A51JS
Message-ID: <271@gollum.twg.com>
Date: 22 Mar 90 23:58:08 GMT
Sender: news@twg.com
Reply-To: sawyer@twg.com (Bruce B. Sawyer)
Organization: The Wollongong Group, Palo Alto, CA
Lines: 23
Posted: Fri Mar 23 00:58:08 1990

In the latest issue of the "DX Bulletin", which just arrived in my mailbox today (March 22), there is a copy of a letter given to Jim Smith by the PTT in Bhutan. To get right to the heart of the matter, they told him to bring $50,000 for a fee when he came to pick up his A51JS license. As I'm sure many of you know, A51JS is on the air now. This is the first time that A5 has been active since the early 80's. That's great news, but the issue of the $50,000 is not. Since Jim is making an appeal for help in footing the bill, I can only presume he caved in to this outrageous demand.

So now comes the question. Presuming for the moment that you will agree with me that we do not want to encourage third world countries to extort the international amateur community into paying ransom for licenses, we are left with the choice of whether we respond to Jim's request for assistance here. If we do send in contributions, then we have helped Jim to simply pass it along and the next guy looking for a day in the sun will know that cost is not an issue. For that reason, I think a point needs to be made with THIS one that the amateur community simply will not be pressured into paying big bribes. Contributions to DXpeditions which help to defray travel and equipment costs help keep the DX community going. There are plenty of opportunities (e.g. YASME) where we can offer this kind of direct support. That isn't what's going on with A51JS, though.

AA6KX

From -2444268731089620396
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,195d6575a2a19e4e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-23 02:04:13 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!snorkelwacker!bloom-beacon!bu.edu!xylogics!transfer!lectroid!jjmhome!cpoint!frog!john
From: john@frog.UUCP (John Woods)
Newsgroups: rec.ham-radio
Subject: Re: anyone know about "litz wire"?
Keywords: hardware, old, Litz, litz wire, attenuation
Message-ID: <13222@frog.UUCP>
Date: 22 Mar 90 21:45:00 GMT
References: <579@sierra.stanford.edu>
Organization: Misanthropes-R-Us
Lines: 26

Posted: Thu Mar 22 22:45:00 1990

In article <579@sierra.stanford.edu>, beale@sierra.Stanford.EDU (John P. Beale) writes:
>   A colleague of mine is interested in finding out about litz wire...
>   I gather that Litz wire is a bundle of finely stranded wires with each
> strand insulated from the others, thus having lower losses at very high
> frequencies than solid wire with the same cross section, assuming the skin
> depth is smaller than the radius of the wire.
>   I understand that this stuff was often used in low-loss inductors and the
> circularly-wound indoor antennas found on early BC-band radio receivers.

I don't know much about the material itself, but you can still find it on many transistor radio loop antennas (at least, several transistor radios I've torn apart recently have them).

>   Anyway, if you have a current source for the stuff, I'd appreciate
> hearing from you!

Once source is Amidon Associates, 12033 Otsego St., N. Hollywood CA 91607, who wanted $0.05/ft for 8/42, 8/44 and 10/44 Litz wire as of July '89 (the most recent price list I have).

--
John Woods, Charles River Data Systems, Framingham MA, (508) 626-1101
...!decvax!frog!john, john@frog.UUCP, ...!mit-eddie!jfw, jfw@eddie.mit.edu

From 8596908382991255767
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c61ea40a7d8d5d0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-23 04:16:49 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!GTE.COM!pescatore_jt%ncsd.dnet
From: pescatore_jt%ncsd.dnet@GTE.COM
Newsgroups: rec.ham-radio
Subject: Modem Tax
Message-ID: <9003231216.AA26597@bunny.gte.com>
Date: 23 Mar 90 12:16:49 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Fri Mar 23 13:16:49 1990

Don't count on the modem "tax" idea dying (sp?) out. The fact that the TELCOs can fit more than one voice conversation onto a 64 Kbs channel, but can only fit one modem session per channel means that effectively they are "losing" money on modem use. Combine this with the explosive growth in the use of FAXs (modems) and I think you will see the TELCOs developing innovative types of signal recognition to differentiate between high density and low density use of baseband channels.

From 6686092539557650064
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3fdfbcc5fa91adec
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-23 05:37:38 PST
Path: gmdzi!unido!mcsun!uunet!cbmvax!schein
From: schein@cbmvax.commodore.com (Dan Schein - Guest)
Newsgroups: rec.ham-radio
Subject: Re: Bearcat 200XLT Mod
Message-ID: <10319@cbmvax.commodore.com>
Date: 23 Mar 90 02:44:21 GMT
References: <9002130348.AA14607@DELPHI.MIT.EDU> <5521@dell.dell.com> <13097@cbnewse.ATT.COM> <34689@cci632.UUCP> <10198@cbmvax.commodore.com> <1990Mar22.195442.21552@cs.rochester.edu>
Reply-To: schein@cbmvax (Dan Schein - Guest)
Organization: Commodore, West Chester, PA
Lines: 32
Posted: Fri Mar 23 03:44:21 1990

In article <1990Mar22.195442.21552@cs.rochester.edu> ray@cs.rochester.edu (Ray Frank) writes:
>In article <10198@cbmvax.commodore.com> schein@cbmvax (Dan Schein - Guest) writes:
>>
>>   GULP....   I just sent a check for $175 to buy a used PRO34 last
>>   week. Now that I hear about your 200XLT im not feeling all that well.
>
>This is a great price for the PRO34. Read on:
>
>I own a PRO34 and am quite happy with it. I believe it is every bit as
>good as any other scanner in this price range including Bearcat.
>There are two things that Bearcat has done better than the PRO34. One is that
>it scans at twice the speed and two, it has a better audio output.
>

Now that I have received my PRO34 and had chance to use it, let me say the $175 was a great price this piece of equipment. I have done the 800mhz mod to restore full 800mhz coverage. The audio is not a real problem for me as I play it through a home made speaker/descrambler (so I can monitor the local police) that has a built in amp. Your are right that the scan speed needs a bit of help and im hoping soneone out there may know of such a mod. (If so please E-Mail it to me)

Bottom line, im feeling a-ok now that the PRO34 is here!

Sneakers

--
```
                                   ___
    Dan "Sneakers" Schein         ////  Quote:
    Guest of Commodore           ////         Those who worked the hardest
    International Ltd.      ___  ////          are the last to surrender.
                           \\\\////                  -= Gary Ward =-
                            \\\///
    sneakers%heimat@commodore.com    (or)    uunet!cbmvax!heimat!sneakers
```

From -3227275061134708084
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3fdfbcc5fa91adec
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-23 05:48:28 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: Bearcat 200XLT Mod
Message-ID: <23642@usc.edu>
Date: 23 Mar 90 07:51:18 GMT
References: <9002130348.AA14607@DELPHI.MIT.EDU> <5521@dell.dell.com>
<13097@cbnewse.ATT.COM> <34689@cci632.UUCP> <10198@cbmvax.commodore.com>
<1990Mar22.195442.21552@cs.rochester.edu> <10319@cbmvax.commodore.com>
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 10
Posted: Fri Mar 23 08:51:18 1990

In article <10319@cbmvax.commodore.com> schein@cbmvax (Dan Schein - Guest) writes:
> problem for me as I play it through a home made speaker/descrambler (so
> I can monitor the local police) that has a built in amp.

Please post details of your descrambler circuit? How is the scrambling
done? What does the signal look like in the frequency domain? In the
time domain? How do you descramble it? What circuit do you use? How
does it work? Almost everybody wants to know. Thanks.

Ken Hendrickson N8DGN/6   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From -7489357781140829674
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56747e692faff91f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-23 06:13:25 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!mips!prls!philabs!
briar.philips.com!rfc
From: rfc@briar.philips.com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Re: Modem tax on phone lines.
Message-ID: <88010@philabs.Philips.Com>
Date: 22 Mar 90 15:17:29 GMT
References: <9003220921.AA10239@ucbvax.Berkeley.EDU>
Sender: news@philabs.Philips.Com
Reply-To: rfc@briar.philips.com.UUCP (Robert Casey)
Organization: Philips Laboratories, Briarcliff Manor, NY

Lines: 10
Posted: Thu Mar 22 16:17:29 1990

In article <9003220921.AA10239@ucbvax.Berkeley.EDU> PLB@PSUARCH.BITNET ("P Bandini, PSU Arch Dept, 814/863-0062") writes:

>It just came to my attention that the FCC is considering an
>additional tax for modem use of telephone lines...

This got mentioned a few months ago. This appears to be a dead issue; the FCC canned this idea. (At least according to traffic on the Net several months ago). This rumor surfaces every few months, but I think it can be safely ignored.

73 de WA2ISE

From -1663074474847182025
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4afe789a35d1c2e9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-23 06:16:17 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!decwrl!ucbvax!ULKYVM.BITNET!MEHARP01
From: MEHARP01@ULKYVM.BITNET (Michael Harpe)
Newsgroups: rec.ham-radio
Subject: Bearcat 100XLT experience
Message-ID: <9003230850.AA00775@ucbvax.Berkeley.EDU>
Date: 22 Mar 90 16:40:09 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: University of Louisville
Lines: 24
Posted: Thu Mar 22 17:40:09 1990

I have owned a Bearcat 100XLT for about four years. They are terrific scanners for general purpose monitoring. Mine has traveled with me on storm chases as well as doing daily duty as a police/fire monitor.

The battery life is very good. Mine generally gets 6 hours of continuous usage monitoring high volume channels. I am still using the original battery that was shipped with the unit.

I do have a problem with IM at my location. I don't really blame the scanner for all of it since I am extremely close (less than 1/2 mile straight line) to two of the transmitters. I can't really compare this radio to others since it's the first scanner I have had for any length of time.

Highly recommended.

```
--------------------------------------------------------------------
Michael Harpe, N4PLE                  | BITNET: MEHARP01@ULKYVM
106B Ormsby Building                  | VOICE:  502-588-7785
University of Louisville              | FAX:    502-588-5048
Louisville, KY  40292                 | AURAL:  "Mike!"
```

"Sir, there is a large multi-legged creature crawling on your shoulder"
- Spock

From -1985811632166210656
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,90751e1b4fcba250,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-23 06:16:20 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com (DUBE TODD)
Newsgroups: rec.ham-radio
Subject: Re: Anyone know about "litz wire"?
Message-ID: <9003221758.AA04085@ti.com>
Date: 22 Mar 90 16:59:31 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 20
Posted: Thu Mar 22 17:59:31 1990

In "Reference Data For Radio Engineers" (1977, Howard W. Sams), under the heading "Audio Filter Reactors (Coils) it states:

"Audio filter reactors.....are inductances that have the following qualities: (A) High quality factor (Q); and (B) Stable inductance with variations in frequency, operating level, and temperature........(deleted discussion of distributed capacitance)....Rw (representing the copper losses in the winding) is made up of the dc resistance of the wire and the eddy-current losses generated in the winding. This eddy-current loss can be minimized athigh frequencies by dividing the wire into many small wires. This type of wire is called Litz wire." Notice that the term "high frequencies" is used in the AUDIO context, not the overall frequency spectrum.

This book is certainly not the "last word" on the subject, but since I don't see much widespread use of Litz wire in RF coils, my gues is that its advantage over solid wire is minimal (or at least not cost-effective).

There's no mention of the use of this wire anywhere else in the book.

Dube Todd, N5PDK

From -3091761688292881330
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f14f4996e04c6bff,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-23 06:16:42 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!ucbvax!WPI.WPI.EDU!jwhitson
From: jwhitson@WPI.WPI.EDU (John C Whitson KB2GNC)
Newsgroups: rec.ham-radio
Subject: Second Annual Open House at WPI / W1YK
Keywords: FUN! Contacts! Saturday! W1YK

Message-ID: <9003230125.AA23397@wpi.wpi.edu>
Date: 23 Mar 90 01:25:45 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 68
Posted: Fri Mar 23 02:25:45 1990

On April 7, 1990, at Worcester Polytechnic Institute in Worcester, Massachusetts, the WPI Wireless Association will be holding The Second Annual Open House in its Ham Shack. It will run from 10:00 AM to 4:00 PM. We will be working on many bands (160m - 10m, 2m, 440MHz, as propagation permits), and in many modes. The Club Station, W1YK, is excellently situated on the roof of Salisbury Laboratories, which is one of the buildings on the top of a large hill where WPI is located.

The WPI Wireless Association, founded in 1909, is the oldest college radio club in the United States. Originally 1YK, the station and club has enjoyed a wide variety of equipment and opportunites, including a 440 MHz repeater and a satellite tranciever station.

Come and help us celebrate our 81st Anniversary!

For more information, send mail to me (see signature), or any of the people you hear working as W1YK.

```
----------  If at first you don't succeed,  so much for skydiving ---------
John Whitson:   Internet: jwhitson@wpi.wpi.edu  Bitnet: jwhitson@wpi.bitnet
73's from KB2GNC/1                          UUCP: uunet!wpi.wpi.edu!jwhitson
----------  Anything with this tag on it is purely my own opinion ---------
```

Directions to WPI follow:

From East or West:

Get on to I-90, the Massachusetts Turnpike. Travel until you get to the intersection of I-290 and I-395. This is about 50 minutes West of Boston and 50 minutes East of Springfield, and also one exit East of the I-84 intersection at Sturbridge. Exit and follow the signs for I-290 East to Worcester, Auburn, and Marlborough. This is done by staying completely to the left after the toll plaza.

From the South:

(Connecticut). Get onto I-395 and proceed North. At Auburn and the intersection of I-395 and I-90, the highway you are on will change to be I-290.

From the South, East, West:

Proceed East on I-290 until Exit 17. This is Rte 9, also known as Belmont Street. Exit I-290 and at the light, make a left. Stay in the middle-or-right lane, and proceed straight through the next two lights. You will see the Courthouse on the left and the

Worcester Memorial Auditorium on the right. Proceed up the Hill.

From North:
Get onto I-495 going West or South. Proceed until Exit 24, the intersection with I-290. Get onto I-290 and continue West until Exit 18, which is Rte 9, also known as Belmont Street. This exit is right after two large merges, so you will have to cross 4 lanes of traffic quickly. Exit, and at the light make a right. Follow the road until you intersect with Rte 9, also known as Belmont Street or Highland Street. This is a *big* intersection. Make a Right onto Highland Street and proceed up the hill between the Courthouse and the Auditorium.

From in Worcester:
At the top of the hill is a pair of lights. Proceed through both. about 1/2 mile down the road there is another light, with a Store-24 on the corner. This is West St. Make a right here and proceed. The stopsign marks the edge of WPI. Proceed straight accross, and park in the parking lot to the left at the top of the hill. At the very top of the hill, on the right, on West Street, is Salisbury Laboratories (you can see the antenna arrays for miles). Follow the signs.

From -9131224467950609035
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-23 09:47:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Message-ID: <30500462@ux1.cso.uiuc.edu>
Date: 23 Mar 90 12:14:10 GMT
Lines: 91
Nf-ID: #R:<9003051529.AA05504@pelham.med.u:-39:ux1.cso.uiuc.edu:30500462:000:5170
Nf-From: ux1.cso.uiuc.edu!phil   Mar 22 20:11:00 1990
Posted: Fri Mar 23 13:14:10 1990

[Warning: turn on the A/C now, flames contained herein]

```
> >      E                  T
> >  I        A        N        M
> >   S        U      R         W     D       K        G      O
> >  H  V     F *    L  *      P J   B X     C Y      Z Q    * *
>
```

> This is not a way to "learn" the code. You don't know the code unless
> you can copy it by ear. This is only a way to "cheat"; while it doesn't
> violate the letter of the law, it certainly violates the spirit of the
> law. You can probably get up to 20+ wpm this way, but you will never be

```
> able to copy in real time!
>
> I object to this method, (not only because it violates the spirit of the
                                                             ^^^^^^
I assert there is no concensus on this issue.  If your belief is different
than mine (and I am sure it is) then I am correct in my assertion.

> law, but also) because it removes the usefulness of the CW requirement.
                                        ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
We also certain disagree here.  More on this below.

> If you really learned CW, you could use in on the air.  By using this
> method, you will be incapable of using CW.  This situation is analagous
                      ^^^^^^^^^^^^^^^^^^^^^
What is the purpose of a CW test?  To cause people to be capable of using
CW?  If so, it is not working because I, and a very large number of hams
are presently incapable of learning CW, and we did not even need a clever
method of doing it.  I am sure the vast majority of Technician class hams
cannot operate CW now, and large numbers of even extras cannot.

> to somebody who memorizes the answers to the technical/legal questions,
> without even knowing what the questions were.  Such a person can pass
> the test, but all of the useful technical/legal information is not
> available to them to draw on because they didn't learn it!  I don't
> think any of you no code folks would approve of somebody using this kind
> of method to subvert the useful technical/legal written test(s);
> likewise you shouldn't approve of this method to subvert the useful CW
> requirement.

If we agreed that the CW test was useful, we would not approve of this method.
Many people feel that the CW test serves no useful purpose.  It does not
succeed in any stated purposes, including the one you seem to be stating,
that it is to get people to be able to operate CW.

I personally agree that this method will not result in learning CW properly
to be able to operate it.  But if it helps get a new ham into the hobby and
service that would otherwise have not been able to, and if this guy is one
who will be contributing, such as in areas of packet radio, them I am all
for this method or any other that gets the job (of passing the test) done.

To all those who have no interest in CW, the first thought on their mind is
"why do I have to take this stupid test".  After they realize the test is not
going away the second thought they have on their mind is "how am I going to
pass this test".  Note that they do NOT think "how am I going to learn CW".
A few people just go off in disgust thinking "those stupid hams, all they
want is to pound brass, work DX countries, collect QSL cards and certificate,
and they think that is all there is" when what they were interested in was
experimenting with the technical sides of radio, and these are the people
who could be the INNOVATION back into ham radio that are being scared off
by useless code requirements.

Since it is the case that LEARNING CW serves no useful purpose to those who
have no interest in operating CW, the only logical approach they would have
```

to the "CW test problem" is how to PASS it, get around it, or whatever.

You, sir, seem to be objecting to the fact that people do not have your attitude about CW that it is something worth learning and using. You will just have to accept it as a fact of life that lots of people have NO INTEREST WHATSOEVER IN OPERATING CW for whatever reason (and there are various reasons). If you cannot accept that, then I would have to think of you as one of those people who wants everyone to be all alike, and just like you, of course.

The present theory exams are already not serving their intended purpose. I have spoken with many hams who have an extra class exam and could not design a radio with the ARRL handbook in front of them. Of course, today, not everyone needs to design radios, but not everyone needs to know CW, either.

One needs to know CW in order to operate CW. When the CW test was first being given, all radio operation was CW, so there was a one-to-one relationship between learning to operate CW and learning anything else about radio. Remember, the test back then was a SENDING test. It was not designed to keep out the riff-raff, but rather to keep out anyone who just didn't yet know the code (or the CORRECT code, as the case probably was at the time) As soon as phone came along, the test should have been abandoned at that time, or else used to grant privileges to operate CW. Since few hams operated only phone at that time anyway, there was not that much pressure to delete it.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From -4230314159683888702
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc83561d415f2d44
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-23 10:17:02 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!silver!barkeyp
From: barkeyp@silver.ucs.indiana.edu (patrick barkey)
Newsgroups: rec.ham-radio
Subject: Re: QSL Cards
Message-ID: <39410@iuvax.cs.indiana.edu>
Date: 23 Mar 90 13:52:00 GMT
References: <132888@sun.Eng.Sun.COM> <11800@cadnetix.COM>
<10455@portia.Stanford.EDU>
Sender: root@iuvax.cs.indiana.edu
Reply-To: barkeyp@silver.ucs.indiana.edu (patrick barkey)
Organization: Indiana University, Bloomington
Lines: 9
Posted: Fri Mar 23 14:52:00 1990

I have fond memories of the Little Print shop. Back in the days when you waited for six or more weeks to find out whether or not you passed a license exam, and what your call was, the advertising brochure for the Little Print Shop told you the answer to both questions -- quite a few days in advance of the Federal Government getting around to tell you.

-- Pat Barkey
WA8YVR

From -3194823733923407673
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,195d6575a2a19e4e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-23 10:19:09 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!uflorida!mephisto!mcnc!decvax!zinn!ubbs-nh!noel
From: noel@ubbs-nh.MV.COM (N. Del More)
Newsgroups: rec.ham-radio
Subject: Re: anyone know about "litz wire"?
Keywords: hardware, old, Litz, litz wire, attenuation
Message-ID: <3660@ubbs-nh.MV.COM>
Date: 23 Mar 90 04:46:39 GMT
References: <579@sierra.stanford.edu>
Reply-To: noel@ubbs-nh.MV.COM (N. Del More)
Organization: Business Integration & Office Systems - Nashua, NH
Lines: 19
Posted: Fri Mar 23 05:46:39 1990

In article <579@sierra.stanford.edu> beale@sierra.UUCP (John P. Beale) writes:
>
>   A colleague of mine is interested in finding out about litz wire-
>past and present manufacturers, performance data (specifically
>attenuation versus frequency, eg from skin effect in an antenna
>application), and from whom any might be available today.

Its available from RADIOKIT in Londonderry, NH 603 437-2722. Last time
I was over there I saw an sign on the wall announcing its availability
and since I had never heard of it before inquired about it.

I have no idea about types, pricing etc., but give him a call.

Noel
KC1RB
--
```
Noel B. Del More             |                             decvax!ubbs-nh!noel
17 Meredith Drive            |                             noel@ubbs-nh.mv.com
Nashua, New Hampshire  03063 | It's unix me son!  `taint spozed tah make cents
```

From -3453126779514803414
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,76e62a66c03565,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,76e62a66c03565,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-03-23 11:39:20 PST
Path: gmdzi!unido!mcsun!uunet!samsung!umich!sharkey!lopez!flash

From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Radio Phone Salesmen LIE!
Keywords: dishonesty in salesmanship
Message-ID: <1221@lopez.UUCP>
Date: 23 Mar 90 19:39:20 GMT
Followup-To: rec.radio.shortwave
Organization: Great White North/UPLink, Marquette, MI
Lines: 99
Xref: gmdzi rec.ham-radio:10444 rec.radio.shortwave:762
Posted: Fri Mar 23 20:39:20 1990

We all know about the Cellular Phone Industry. We all know about the insidious ECPA. This article is related to these topics, but not exactly.

Cellular is NOT the only mobile phone technology, as I am sure you are aware. In many communities, the older 152 mhz band phones still operate. In addition to this band, there is an 800 MHZ cellular smell-alike system called SMR (smurr) which uses EXACTLY the same trunking technology, but on a slightly different band. My community recently (last month) became the recipient of this technology. While scanning the 800 mhz region on my UNMODIFIED PRO-2005, I found several frequencies with a new strange BUZZING digital signal. Within a few days, I started hearing test conversations on other frequencies in the range. I knew it was technicians, and I assumed it was SOME kind of new service, possibly business related. Imagine my surprise when I began to hear telephone conversations, with very clean crisp audio (Much better than the 152 mhz system, which over the years has gotten muddy and distorted)...

Then newspaper and radio ads began appearing for a WONDERFUL NEW telephone system. The name of this wonderful new system is something like "PRIVACY PLUS" a name that makes it sound even more wonderful than cellular.

Soon more and more activity was noted, and our local scanner SIG began discussing the new phone system, made by MOTOROLA. The technology is exactly the same as CELLULAR, just a different band plan. A band plan that is NOT eliminated from ANY scanner on the market. No diodes to clip, the signals are there for the monitoring.

Now it is my understanding that the ECPA forbids monitoring of all such mobile phone calls, except for determining the source of interference. Thus I guess by regularly scanning an authorized portion of spectrum, and being totally unaware of the existance of this service, we became unwilling radio criminals.

Well I decided I wanted to know more about the system, so I called the company selling it. I asked for information, the more technical the better. I received a coverage map and a price list in the mail. Then I received a sales call, where someone offered to bring a unit to my home and demonstrate it. I declined the offer, but said I was interested in the system, and wanted to know more about it. The salesperson knew very little about the technology except to say that it was the same thing as cellular, only "on our own frequencies". I then asked my key question:

"What about privacy? You call your system "Privacy Plus", does this mean it is secure, maybe even better than cellular?

"Oh YES, our system is very secure!"

"But what about shortwave listeners or ham operators, don't they have police scanners or something that would allow them to listen to my conversations?"

"No, this is not possible, you see our tower sends out a signal every ten seconds, and that makes it impossible for anyone to evesdrop on your communication. PRIVACY PLUS is just what the name implies"

I wanted to SHOUT at her that at that very moment, my unmodified scanner was picking up one of the salesmen doing a demo for some other unsuspecting customer. Instead, I just asked to be kept on their mailing list. She said she would call me again in June...

I believe that the sales people are NOT to blame here. They just want to sell the equipment, and they either make assumptions, or their bosses have convinced them that the name PRIVACY PLUS is more than just a silly meaningless trademark.

The same sales tactics are used to market CORDLESS PHONES, that have a PRIVACY button which does nothing but change frequency. Yet everyone I know who has a cordless phone thinks that it is a PHONE.

For those who MONITOR the 46.61-46.97 band, I do not have to tell you that people who use these things have no idea how far their signal travels. I live in a small town, and with a good outside antenna, that band is CONSTANTLY filled with activity, and some of the most AMAZING conversations one could ever hear.

I hear two different interpretations of the ECPA regarding the 46/49 mhz band, and perhaps someone out with more knowledge can set the record straight. In a recent POPCOM, Tom Kneitel said it is illegal to monitor the "Pedestal" (or base unit) portion of the signal, but the 49 mhz part was OK to listen to. I think this is nit picking. Cordless phones have NO license, and they have a nearly hidden notice stating they may not be totally private. I also understand that court cases have upheld the fact that these units have no guarantee of privacy, and people get busted for making drug deals on their cordless phones.

Has anyone read Kneitel's book on Telephone Monitoring?

And is there anything we can do to get these sales people to stop lying to their customers about PRIVACY PLUS and the PRIVACY BUTTON and other deceptive mind balm?

```
--
== 14.313 == Amateur Radio Forum Saturday 11:00AM Eastern time == 14.313 ==
==  Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash)  GWN UPLink  ==
==  3.950  Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================
```

From -5019760137951O9534
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11a0650d509debc2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,11a0650d509debc2,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-03-23 11:59:41 PST
Path: gmdzi!unido!mcsun!uunet!samsung!umich!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: The BEST scanner antenna!
Keywords: Don't just take MY word for it...
Message-ID: <1222@lopez.UUCP>
Date: 23 Mar 90 19:59:41 GMT
Followup-To: rec.radio.shortwave
Organization: Great White North/UPLink, Marquette, MI
Lines: 86
Xref: gmdzi rec.ham-radio:10445 rec.radio.shortwave:763
Posted: Fri Mar 23 20:59:41 1990

This is posted to rec.ham-radio AND rec.radio.shortwave. SAY YES to rec.radio.scanners, eh?

A year or so ago, I decided I wanted a GREAT scanner antenna. Wide coverage, and the ability to pick up weak signals, since I live in the boonies...

Everyone suggested I get a discone... And after the prices were examined, I thought that $100 or so was a lot to pay for a twinky little antenna with unity gain. Thus I decided to build one. Thanks to USENET I collected all sorts of plans, diagrams, etc. Being lazy, it soon became winter and my plans were put on hibernation.

Now spring begins to rear its head, and my thoughts again began to turn to better signals.

In the meantime, I had done a lot of reading about scanner antennas, and found out that one of the equipment reviewers in one of the magazines uses the MOTOROLA MONITENNA Model #5094 as his STANDARD by which to judge all others. No other antenna has yet beaten it, said the reviewer.

Then I got my BOB GROVE catalogue, and in it, Bob says: "The best Outdoor Scanner Antenna made is the MOTOROLA MONITENNA MODEL #5094" However GROVE does not sell it. They said it is just too big for storage and shipping, but if a person wanted the BEST, they should get THIS one, from a Scanner Dealer or TV shop.

That convinced me that it must be good, and I am forever thankful to Bob Grove Enterprises, even though the only thing I have ever gotten from them is Monitoring Times (One of the best if not THE best SWL/Scanner/monitor magazines of all time)...

Finding a dealer to sell me the antenna was a bit of a challenge, but finally a local CB dealer said he would order it. He got three of them in, and they sure come in a BIG box, which is very OXY to try and get home in a compact car, let me tell you.

There were just one pleasant surprise after another with the antenna though. The first good news was the price. My dealer only wanted $40 for it. I figured there must be a mistake, but that was HIS price (The guy is not out to get rich, and runs his shop more as a hobby). The next surprise was that the antenna requires NO assembly. It opens up like an umbrella. Everything snaps into place. BINGO. The antenna comes with 65 feet of coax already attached, AND a motorola plug soldered in place. (I had to get a convertor to use it with my PRO-2005)...

But the best news of all is that it WORKS. This antenna has GAIN on the most popular scanner bands, and I began to pick up things I had NEVER heard before even with other outdoor antennas.

This antenna does not claim to have the wide flat coverage of a discone, but I am able to hear things very well outside of the bands that it says it covers. EVEN the FM broadcast band was hopping with new stations. The MILITARY air band works great, and I am also able to hear Canadian Commercial aircraft. ALSO I finally heard a transmission on 123.45, the pilot to pilot chat channel. Since we have only one commercial flight a day out of our podunk airport, this one had to be way off in the wild blue... I can now hear a mobile phone tower 60 miles away, and the coast guard from over 100 miles away on channel marine channel 22.

Cordless Phones? HA! They are stacked three and four deep and that band is NEVER quiet.

Would I recommend this antenna? YOU BET YOUR PLL I do... The other two that the store ordered went like hotcakes, and he ordered three more.

There is one of those three left, and it is MINE. My second MOTOROLA MONITENNA Model # 5094 goes up 40 feet SUNDAY....

Talk to your local CB or SCANNER store. Get your local monitoring group in on the deal. Have your CORDLESS PHONE MONITOR SIG order them bulk!

This is one fine antenna....

(I do not work for Motorola, or any other electronics wholesale or retail firm, I am a computer consultant, and the radio hobby is what I do to stay sane)

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--
== 14.313 == Amateur Radio Forum Saturday 11:00AM Eastern time == 14.313 ==
==  Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash)  GWN UPLink  ==
==  3.950  Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================
```

```
From -5245017417949638740
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1491c3356977231e,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,1491c3356977231e,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-03-23 18:59:39 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!briar.philips.com!rfc
From: rfc@briar.philips.com (Robert Casey)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: PRO2005 scanner mod file
Keywords: mods
Message-ID: <88560@philabs.Philips.Com>
Date: 24 Mar 90 02:59:39 GMT
Sender: news@philabs.Philips.Com
Lines: 18
Xref: gmdzi rec.ham-radio:10394 rec.radio.shortwave:748
Posted: Sat Mar 24 03:59:39 1990
```

copied from packet:
PRO-2005 mod

1. Unplug the radio
2. Remove the screws and take off the top cover.
3. Look for D502 on the inside right hand-side of the front panel.
   (No need to unsolder the silver plate protecting the vertical board!)
4. Simply cut the diode and reverse the process.
5. You now have complete cellular band coverage!!

Of course, according to the EPCA law, you are not allowed to listen to
these freqs.
The mod works for me. Proceed at your own risk de KB2BBW.

73 and enjoy!! de K-B-2-Big-Bad-Wolf (Woof! Woof!) @ WA2SNA.NJ

Standard disclaimer: I haven't tried this, proceed at your own
risk. WA2ISE

```
From -4730493611150027218
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3fdfbcc5fa91adec
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-23 20:10:14 PST
```

```
Path: gmdzi!unido!mcsun!uunet!cbmvax!schein
From: schein@cbmvax.commodore.com (Dan Schein - Guest)
Newsgroups: rec.ham-radio
Subject: Re: Bearcat 200XLT Mod
Message-ID: <10332@cbmvax.commodore.com>
Date: 24 Mar 90 04:10:14 GMT
References: <9002130348.AA14607@DELPHI.MIT.EDU> <5521@dell.dell.com>
<13097@cbnewse.ATT.COM> <34689@cci632.UUCP> <10198@cbmvax.commodore.com>
<1990Mar22.195442.21552@cs.rochester.edu> <10319@cbmvax.commodore.com>
<23642@usc.edu>
Reply-To: schein@cbmvax (Dan Schein - Guest)
Organization: Commodore, West Chester, PA
Lines: 27
Posted: Sat Mar 24 05:10:14 1990

In article <23642@usc.edu> kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
>In article <10319@cbmvax.commodore.com> schein@cbmvax (Dan Schein - Guest)
writes:
>>   problem for me as I play it through a home made speaker/descrambler (so
>>   I can monitor the local police) that has a built in amp.
>
>Please post details of your descrambler circuit?  How is the scrambling
>done?  What does the signal look like in the frequency domain?  In the
>time domain?  How do you descramble it?  What circuit do you use?  How
>does it work?  Almost everybody wants to know.  Thanks.
>

   Our local police use what is commonly called "PHASE INVERSION" and sounds
   like someone w/marbles in their mouth. Being the bottom of the ladder in
   'secure' communications it can actually be recorded scrambled and later
   descrambled when played back. Anyway - ill have to look and see if the
   design is still laying around here. If I can find it in my piles of papers
   ill post it.

   Sneakers
--
                                   ___
    Dan "Sneakers" Schein         ////  Quote:
    Guest of Commodore           ////         Those who worked the hardest
    International Ltd.     ___  ////          are the last to surrender.
                           \\\\////                 -= Gary Ward =-
                            \\\///
    sneakers%heimat@commodore.com    (or)    uunet!cbmvax!heimat!sneakers


From -4641974198639178319
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f35daeb8b9c04cf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-23 22:16:24 PST
Path: gmdzi!unido!mcsun!uunet!decwrl!shelby!csli!kawai
From: kawai@csli.Stanford.EDU (goh kawai - n6uok)
Newsgroups: rec.ham-radio
```

Subject: Re: Wild accusations against MFJ?
Message-ID: <12815@csli.Stanford.EDU>
Date: 23 Mar 90 17:26:04 GMT
References: <118@gizzmo.UUCP>
Sender: kawai@csli.Stanford.EDU (goh kawai - n6uok)
Organization: dept of linguistics, stanford university
Lines: 31
Posted: Fri Mar 23 18:26:04 1990

N2HHR (mark hilliard) inquires:

>Is the MFJ product line as bad as he claims?

I just bought an MFJ "econo keyer", a small electronic keyer that sells for just under $50. Has a Curtis chip in it, and the circuitry is identical to the keyer that sits on top of the Bencher iambic paddle. (Incidentally, the keyer that goes on top of the Bencher costs more, and in my taste, is uglier, so I didn't buy it, although I use Bencher.)

This keyer suffers from RF feedback. When I run my rig (an IC-720) at more than 50 watts, "0" becomes "2" (that is, _____ becomes ..___) - a most ingeneous feature, nicely complementing my poor sending skills! I plan to fix it today, by sanding off the paint inside the box, and giving it the same ground potential as the transceiver.

As for other products, I don't have first-hand experience.

I have heard more than one person comment on his experiences with My Friend's Junk. My problems are fixable, so that's okay. If you're looking for a product that will work flawlessly from the moment you buy it, MFJ may not be the right choice. But I don't know for sure. Some people are quite satisfied with what they got. For example, I have heard conflicting reports on the MFJ-1278 multimode TNC. A friend likes it, another person hates it - I'll never buy it. Somebody had an antenna tuner that worked - I'd either build my own, or buy another manufacturer's (like the AEA 300 watt tuner).

----------------- stanford university + sri international
--- Goh Kawai --- arpanet/junet: kawai@csli.stanford.edu
----------------- compuserve: 76056,1726   radio: n6uok

From -5815461781062838399
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f35daeb8b9c04cf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-23 22:45:30 PST
Path: gmdzi!unido!mcsun!uunet!samsung!brutus.cs.uiuc.edu!apple!vsi1!wyse!pgraham
From: pgraham@wyse.wyse.com (PC-NFS Philip Graham x1124 #)
Newsgroups: rec.ham-radio
Subject: Re: Wild accusations against MFJ?
Message-ID: <2649@wyse.wyse.com>
Date: 23 Mar 90 17:37:58 GMT

References: <118@gizzmo.UUCP>
Sender: news@wyse.wyse.com
Reply-To: pgraham@wyse.UUCP (PC-NFS Philip Graham x1124 #)
Organization: Wyse Technology
Lines: 30
Posted: Fri Mar 23 18:37:58 1990

In article <118@gizzmo.UUCP> mark@gizzmo.UUCP (mark hilliard) writes:
>
>For the past several days I have been listining to 10 meters while driving to
>and from work. Every day without fail there is a fellow on (ve31bb or v31bb)
>who has the loudest signal that I have EVER heard (he must be pumping 1kw)
>talking or trying to get people to talk about poor MFJ product quality and
>design. He is claiming all kinds of problems from MFJ on products and support.
>The number of people joining in is astounding! Is this possible? Is the
>MFJ product line as bad as he claims? If so, why is the league promoting
>it? I have not bought any MFJ products, and I would be scared to now.
>

Take this BOZOs comments with a grain of salt... This "Gentleman" keeps
IRCs and Cash sent to him when people try to QSL with him. I caught him
on several contests and he has told me twice that he would QSL if I sent him
a card. I did better than this... I sent him my QSL card, 3 IRCs and a
Self address envelope. I have never recieved a card back (this is over 1 year).

I recieved a card from V31DX two days ago after only one month... And this Ham
said he was sorry for taking so long... One month is pretty good!!!!

Now as for the comments about MFJ gear... I have owned a MFJ-1274 for 3 years
and it has never failed me... It has been left on for 24 hours a day for about
the last year.... What a great TNC!

As with any company I am sure that some products are not fantastic...
But I have been very happy with what they sell...

DE KJ6NN
Phil

From 8269699114854703786
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f35daeb8b9c04cf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-23 23:31:20 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: Wild accusations against MFJ?
Summary: My MFJ tuners have worked fine
Message-ID: <39779@apple.Apple.COM>
Date: 23 Mar 90 20:21:02 GMT
References: <118@gizzmo.UUCP> <12815@csli.Stanford.EDU>
Organization: Apple Computer Inc, Cupertino, CA

Lines: 29
Posted: Fri Mar 23 21:21:02 1990

In article <12815@csli.Stanford.EDU> kawai@csli.Stanford.EDU (goh kawai - n6uok) writes:
>N2HHR (mark hilliard) inquires:
>
>>Is the MFJ product line as bad as he claims?
>
>I have heard more than one person comment on his experiences with My
>Friend's Junk. My problems are fixable, so that's okay. If you're
>looking for a product that will work flawlessly from the moment you
>buy it, MFJ may not be the right choice. But I don't know for sure.
>Some people are quite satisfied with what they got.

I didn't say anything the first time this subject cropped up a few weeks ago because my experience with MFJ products is limited. But I've been using the same MFJ 901 tuner for six years now to tune my aluminum porch awning, and it's been fine. (When I had the carport hooked up, I had another 901 on it.)

True, I only run 100 watts into them. But anything that can bring an awning's SWR down to 1:1 on everything from 10 to 80m is okey-dokey in my book.

Patty
--
```
*****************************************************************************
Patty Winter N6BIS                         INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                      UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From -3351751683328244846
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,24ecd6d12aafae8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,24ecd6d12aafae8,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-03-23 23:45:21 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: HF work, VE3JF, DSP, etc.
Keywords: HF packet DSP
Message-ID: <648@idacrd.UUCP>
Date: 23 Mar 90 19:47:12 GMT
Followup-To: rec.ham-radio
Organization: idacrd, princeton, nj
Lines: 43
Xref: gmdzi rec.ham-radio:10374 rec.ham-radio.packet:1937

Posted: Fri Mar 23 20:47:12 1990

Howdy:

I (FINALLY) got my copy of QEX today (not their fault, I waited until the last possible second to renew just like always) and read McClarnon's (VE3JF) article, "More Ideas for a Robust HF Packet Signal Design". I have just a couple of comments:

HIP HIP HURRAY. HIP HIP HURRAY. Sanity at last. Barry just moved to the top of the list to test DSP modems built by yours truly for HF.

If you want to read a couple of sane articles about HF, I suggest you get a copy of the March 1990, QEX and his earlier article in QEX in December 1987. A relevant article is done by Allan Kaplan, W1AEL, and is a nice thought provoking piece, even though I came to the same conclusions Barry did. You may find Kaplan's article in the November 1989 issue of QEX. It appears that QEX is providing a useful forum for discussion of HF modems/protocols. I will describe my work there in order to fulfill a (two year old) promise to Rinaldo. What Barry describes as his `ideal modem', one which does multiple bits/baud and the baud rate is 75 baud, is exactly what I have done and the first report was given at DATASPACE 1989, last July in Guildford, University of Surrey, England. There were few details and now that I have actual `tnc hardware/software' to hook it to, the testing should proceed at an accelerated pace.

At the moment, I am really busy adding satellite modems, and other `required' modems (Why do I need to add THIRTY different tone pairs for a single HF FSK modem?). I'm also hacking a modified duobinary partial response at 4800 baud (a sane approach to going faster with existing FM radios, No DC and no excess bandwidth), and other goodies (all the usual HF WEFAX, AMTOR etc.)

I hope to see many of you hams at Dayton and to show you all of the wonderful toys during either my packet or satellite talk.

Once again, I recommend Barry's work/papers highly.

Bob N4HY

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

```
From 5246832238882207811
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a765f479e2f5eb47
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-24 00:00:26 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!mintaka!snorkelwacker!usc!cs.utexas.edu!
```

```
asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Electromagnetic Fields
Message-ID: <1485@anasaz.UUCP>
Date: 23 Mar 90 19:00:26 GMT
References: <972@ryn.esg.dec.com>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 14
Posted: Fri Mar 23 20:00:26 1990

In article <972@ryn.esg.dec.com> pierson@cimnet.dec.com writes:
]Another source on this is:
]    Biological Effects of Power Frequency Electric And Magnetic Fields.
]    US Government Printing Office
]    $4.75
]    Stock Number 052-003-01152-2
Out of Stock and Not Available (unless they decide to
reprint it). Per LA GPO 3/23/90. Sigh :-(

--
John Moore (NJ7E)           mcdphx!anasaz!john asuvax!anasaz!john
(602) 951-9326 (day or eve) long palladium, short petroleum
7525 Clearwater Pkwy, Scottsdale, AZ 85253
Support ALL of the bill of rights, INCLUDING the 2nd amendment!


From -7142101469653111943
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ddfaaa363ebd37f1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-24 00:15:39 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.UUCP (Eton Witherspoon)
Newsgroups: rec.ham-radio
Subject: A51JS Bhutan
Keywords: not quite that bad
Message-ID: <26771@ut-emx.UUCP>
Date: 23 Mar 90 21:14:56 GMT
Organization: The University of Texas at Austin, Austin, Texas
Lines: 33
Posted: Fri Mar 23 22:14:56 1990

sawyer@twg.com (Bruce B. Sawyer) reports:

>>In the latest issue of the "DX Bulletin", which just arrived in my mailbox
>>today (March 22), there is a copy of a letter given to Jim Smith by the
>>PTT in Bhutan.  To get right to the heart of the matter, they told him to
>>bring $50,000 for a fee when he came to pick up his A51JS license.  As I'm
>>sure many of you know, A51JS is on the air now. This is the first time that A5
>>has been active since the early 80's.  That's great news, but the issue of the
>>$50,000 is not.  Since Jim is making an appeal for help in footing the bill, I
```

>>can only presume he caved in to this outrageous demand.

[rest deleted]

Both QRZ-DX and The DX Bulletin say the fee is $5,000 and not 50,000. This is apparently based on the "standard tourist" rate of $200 per day for a 25-day stay. If Jim Smith were touring around, looking at whatever it is that Bhutan has to offer, I suppose it might cost him that much, but since all he's doing is sitting in one place playing with the radio, I guess they decided they should relieve him of this much money for the privilege of doing so.

If things go well, this will work out at a few cents per QSO, and can probably be covered by contributions he receives with the cards people send him. You can argue that even $5000 (or $500 or $5) is too much to pay for the privilege of operating from Bhutan, but it's not quite as bad as 50K.

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu
wills@utxvm (Bitnet)

From -3209944703902293877
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6f35daeb8b9c04cf
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-24 00:16:07 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!usc!jarthur!elroy.jpl.nasa.gov!jpl-devvax!hydra!jta
From: jta@hydra.Jpl.Nasa.Gov (Jon T. Adams)
Newsgroups: rec.ham-radio
Subject: Re: Wild accusations against MFJ?
Summary: Bozos
Message-ID: <7531@jpl-devvax.JPL.NASA.GOV>
Date: 23 Mar 90 21:09:30 GMT
Expires: 31 Dec 69 23:59:59 GMT
References: <118@gizzmo.UUCP>
Sender: news@jpl-devvax.JPL.NASA.GOV
Organization: Jet Propulsion Laboratory, Pasadena, California
Lines: 57
Posted: Fri Mar 23 22:09:30 1990

In article <118@gizzmo.UUCP> mark@gizzmo.UUCP (mark hilliard) writes:
>
>For the past several days I have been listining to 10 meters while driving to
>and from work. Every day without fail there is a fellow on (ve31bb or v31bb)
>who has the loudest signal that I have EVER heard (he must be pumping 1kw)
>talking or trying to get people to talk about poor MFJ product quality and
>design. He is claiming all kinds of problems from MFJ on products and support.

>The number of people joining in is astounding! Is this possible? Is the MFJ product line as bad as he claims? If so, why is the league promoting it? I have not bought any MFJ products, and I would be scared to now.
>
>I dont agree with his method of attracting attention to his cause on 10 meters. Once or twice on the air is ok, but he is out of hand. He even calls for contacts on the MFJ net now. I think that the way he is going about this is bordering on political and is in fact gone past a technical discussion.
>
>Any comments on MFJ or this fellows means of getting support?
>
>He was on 28.307 yesterday and 28.258 the day before around 10:30 am est and 3:30 pm est.
>
>Mark Hilliard
>N2HHR
>rutgers!rochester!kodak!gizzmo!mark

MFJ, like so many other little companies that today are the source of so much amateur stuff, has its share of problems. But it is generally acceptable stuff. I have half a dozen MFJ 1270s and 1274s, and one 1278 and they have generally worked flawlessly for several years. Our club has several MFJ antenna tuners; these are fine.

The crank on 10? He's a bozo. A lid. Ignore him, turn off the two-way and turn on the broadcast band rig. But mainly ignore him. But so long as rif raft 'round him, he's got a captive audience.

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73 - Jon

```
--
Jon "What a GREAT guy" Adams, NW6H | "Amateur Radio isn't Everything;
JTA@hydra.jpl.nasa.gov             |  It's the ONLY thing..."
These are just OPINIONS, ok?!?     |  - Some Really Famous Person
"Railroading, however, is pretty important, too..."  - ARFP
```

From 5906768369684080113

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15fab99b94f7d7f4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-24 00:46:48 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio
Subject: Litz wire
Keywords: music
Message-ID: <3133@radio.oakhill.UUCP>
Date: 23 Mar 90 20:25:26 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 3
Posted: Fri Mar 23 21:25:26 1990

Litz.....hmm Lizt...didn't he write Hungarian Rhapsody??? ;-)

-C.T.

From -995378328638817566
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5943c641c136d40c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-24 01:16:51 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!dvinci!weyr!katz
From: katz@weyr.FIDONET.ORG (sylvan katz)
Newsgroups: rec.ham-radio
Subject: re: A51JS
Message-ID: <612.260A8F50@weyr.FIDONET.ORG>
Date: 23 Mar 90 19:15:57 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 8
Posted: Fri Mar 23 20:15:57 1990

I fully agree with you. Amateur radio is just that amateur radio ... It is done for enjoyment and experimentattion. Paying $50 g's to get a licence for a dx call is not only unreasonable but it is indicative of poor judgement as a ham. If the gentleman feels he needs that kind of attention I say let him pay the bill himself.

```
--
Sylvan Katz            Ham: VE5ZX
203 Ball Crescent      UUCP: alberta!dvinci!weyr!katz
Saskatoon, Sask        Internet: katz@weyr.FIDONET.ORG
Canada S7K 6E1         Ham bands: below 14.025/21.025/28.025 @ 0100-0300Z
(306) 934-3168
```

From -4852843611098951791
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62f04f861dd88a6a
X-Google-Attributes: gid10c9e3,public

```
X-Google-Thread: 105d97,62f04f861dd88a6a
X-Google-Attributes: gid105d97,public
X-Google-Thread: 105b48,62f04f861dd88a6a
X-Google-Attributes: gid105b48,public
X-Google-ArrivalTime: 1990-03-24 01:17:01 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!ames!haven!decuac!shlump.nac.dec.com!ryn.esg.dec.com!
cimnet.dec.com!pierson
From: pierson@cimnet.dec.com
Newsgroups: sci.med,sci.electronics,rec.ham-radio
Subject: Re: "Currents of Death" - Followup
Message-ID: <979@ryn.esg.dec.com>
Date: 23 Mar 90 14:54:17 GMT
Sender: guest@ryn.esg.dec.com
Followup-To: sci.med
Organization: Digital Equipment Corporation
Lines: 17
Xref: gmdzi sci.med:7860 sci.electronics:5885 rec.ham-radio:10380
Posted: Fri Mar 23 15:54:17 1990

In article <1478@anasaz.UUCP>, john@anasaz.UUCP (John Moore) writes...
(in part)
>It's interesting to note that Brodeur also wrote "The Microwaving of
>America", which was a scare book of the seventies claiming that
>low level microwaves were causing a big problem.
     I think that's "The ZAPPING of America".  Has anyone systematically
     checked Brodeur's concerns in ZAPPING  against the state of knowledge,
     20 year later???

thanks
dave pierson            |the facts, as accurately as i can manage.
Digital Equipment Corporation    |the opinions, my own.
600 Nickerson Rd
Marlboro, Mass
01752                   pierson@cimnet.enet.dec.com

"He has read everything, and, to his credit, written nothing." A J Raffles


From -4016263934381053057
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3fdfbcc5fa91adec
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-15 18:49:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!
decwrl!ucbvax!hplabs!pyramid!cbmvax!schein
From: schein@cbmvax.commodore.com (Dan Schein - Guest)
Newsgroups: rec.ham-radio
Subject: Re: Bearcat 200XLT Mod
Message-ID: <10198@cbmvax.commodore.com>
Date: 16 Mar 90 02:49:55 GMT
References: <9002130348.AA14607@DELPHI.MIT.EDU> <5521@dell.dell.com>
<13097@cbnewse.ATT.COM> <34689@cci632.UUCP>
```

Reply-To: schein@cbmvax (Dan Schein - Guest)
Organization: Commodore, West Chester, PA
Lines: 20
Posted: Fri Mar 16 03:49:55 1990

In article <34689@cci632.UUCP> rkd@cci632.UUCP (Ray Downes) writes:
>Randall J. Davis writes:
>
>Ok, now I'm confused (easily so I guess). I just received one of these
>(BC200XLT) via Grove. It makes my PRO34 look and feel very wimpy - how
>much are PRO34's worth on the used market? Grove included instructions

GULP....   I just sent a check for $175 to buy a used PRO34 last
week. Now that I hear about your 200XLT im not feeling all that well.

Sneakers

--

```
                                  ___
    Dan "Sneakers" Schein        ////  Quote:
    Guest of Commodore          ////         Those who worked the hardest
    International Ltd.     ___  ////          are the last to surrender.
                           \\\\////                 -= Gary Ward =-
                            \\\///
    sneakers%heimat@commodore.com    (or)    uunet!cbmvax!heimat!sneakers
```

From -2310228118881627632
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,23911cf682e7beee
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-15 19:56:35 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!decwrl!shelby!unix!hplabs!hpfcso!hpldola!hp-lsd!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Re: Operation in Mexico
Message-ID: <18230001@col.hp.com>
Date: 16 Mar 90 03:56:35 GMT
References: <9003122006.AA01556@KRONOS.NISD.CAM.UNISYS.COM>
Organization: HP Colorado Springs Division
Lines: 60
Posted: Fri Mar 16 04:56:35 1990

Excerpts from the ARRL handout on operating in Mexico
[dated June 1988, approx.]

The United Mexican States has not entered into a reciprocal licensing/operating agreement with the United States (though the two countries share a third-party traffic agreement).

Mexico, however, issues operating permits to U.S. amateurs on a courtesy basis. Upon arrival in Mexico, visit the nearest Delegacion Regional de Concesiones y Permisos de Telecomunicaciones. There are many offices througout the country, and a list of them is available from the ARRL Regulatory Information Branch for a business-size SASE.

You should take the following:

- A written request for a temporary operating permit, which contains information on your equipment, address in Mexico (friend or hotel/motel) and automobile.

- A copy of your tourist card or visa (issued free of charge by the Mexican consulate located in many U.S. cities or by the immigration office in Mexico).

- An HD-1 tax receipt for a license fee (37,000 pesos, or $26, as of September 1987) paid by you at the nearest Office of Secretaria de Hacienda y Credito Publico.

- A copy of your FCC license

[stuff deleted]

Guest operation by foreign amateurs of XE stations is permitted.
[stuff deleted]

Phone patch operation is discouraged except in emergency communications.

The following are editorial comments by KB0CY (based on talking to several US amateurs who hold XE licenses)

* The actual procedures seem to vary, depending on where you are in Mexico.

* The license is good for the same length of time as your tourist card which is usually 6 months. It is not easily renewed -- it requires the same fee & hassle all over again.

* It takes about 1/2 day to obtain the license (if things go well).

* The latest info can be obtained from the ARRL for an SASE.

* Contacting a local amateur or someone who has obtained a license recently is very helpful.

*

From 2980204432064091985
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc83561d415f2d44
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-15 21:14:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!wuarchive!udel!rochester!rit!ultb!cjk4800
From: cjk4800@ultb.isc.rit.edu (C.J. Kohanek)
Newsgroups: rec.ham-radio
Subject: Re: QSL Cards
Message-ID: <2469@ultb.isc.rit.edu>
Date: 16 Mar 90 05:14:38 GMT
References: <132888@sun.Eng.Sun.COM>
Reply-To: cjk4800@ultb.isc.rit.edu (C.J. Kohanek)
Organization: Information Systems and Computing @ RIT, Rochester, New York
Lines: 11
Posted: Fri Mar 16 06:14:38 1990

Our club station (K2GXT RIT ARC) uses a very nice QSL. We can afford to do this because we use the same QSL as the local Rochester club. They can buy them in quantity, make a few plates to personlize them, and produce many cards in the same printing, saving time and money.

See if yuor local club offers such a service.

Christopher J. Kohanek
(newly appointed) Secretary
Rochester Institute of Technology ARC
Center for Imaging Science

From -882156964414230331
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7fb63c886cf297f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-16 04:18:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Forgiving the League for Incentive
Message-ID: <30500454@ux1.cso.uiuc.edu>
Date: 16 Mar 90 12:18:20 GMT
References: <9003091756.AA04315@ti.com>
Lines: 18
Nf-ID: #R:<9003091756.AA04315@ti.com>:-27:ux1.cso.uiuc.edu:30500454:000:579
Nf-From: ux1.cso.uiuc.edu!phil   Mar 15 22:30:00 1990
Posted: Fri Mar 16 13:18:20 1990

> Well...
>   I think that the exams should have a lot more on good operating
> practices and a lot less on widely varied technology. When we run

> the hurricane watch net, our biggest problem isn't that someones
> rig has a technical glitch - it's that the computer between some
> of the operators' ears is defective. At least these people would
> have had to memorize some questions such as:

[examples deleted, go back and read them]

> I would sure like to see a bunch of questions like this in the question
> pool!

Me, too!

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From 5381160109167343251
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,33d5ca16211b0a26,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-16 06:17:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sunybcs!nsscb!nrg
From: nrg@nsscb.UUCP (G.Narotham Reddy)
Newsgroups: rec.ham-radio
Subject: Effect of Sun/Heat on Reception
Message-ID: <1273@nsscb.UUCP>
Date: 16 Mar 90 14:17:57 GMT
Organization: AT&T NSSC, S.Plainfield, NJ
Lines: 15
Posted: Fri Mar 16 15:17:57 1990

I would like to know if Spring and Summer has any effect on reception.
For the past few days, it has been very hot in NJ and the reception on
my Sony-2010 was poor and there was lot of disturbance especially tuning
to All India Radio. However, there was no effect on BBC and other major stations

Can some enlighten me in this regard.

Narotham Reddy

--

From 1326800917510790900
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,846e9c7f8de28b8f,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-03-16 06:34:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!mailrus!ames!pasteur!ucbvax!UTKVX3.BITNET!BRUCEH
From: BRUCEH@UTKVX3.BITNET
Newsgroups: rec.ham-radio
Subject: VISIBLE diode lasers
Message-ID: <9003170801.AA10099@ucbvax.Berkeley.EDU>
Date: 16 Mar 90 14:34:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Fri Mar 16 15:34:00 1990

I've been reading some things lately about visible laser diodes. They havn't mentioned any sources for these new little beasts! Has anyone got any ideas where they can be ordered (preferably cheap!)? It looks like they might be a natural for experimental laser communications. Barry, do you have any experience with any of these?

Thanks

Bruce Harrison WB4MJG
Univ. of Tennessee at Martin
BRUCEH@UTKVX   (bitnet)

From -991025065334099607
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,222d3a5d46417064
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-16 06:59:23 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!ames!decwrl!ucbvax!hplabs!hp-ses!hpcuhb!hpindda!genem
From: genem@hpindda.HP.COM (Gene Marshall)
Newsgroups: rec.ham-radio
Subject: Re: two antennas - one feed line?
Message-ID: <5120008@hpindda.HP.COM>
Date: 16 Mar 90 14:59:23 GMT
References: <132992@sun.Eng.Sun.COM>
Organization: HP Information Networks, Cupertino, CA
Lines: 14
Posted: Fri Mar 16 15:59:23 1990

Hi,

Depending upon the amount of work you do on 440, the answer is you need to do nothing. Using a 2-meter J-pole on 440 only results in an SWR of 1.8:1 or so! I couldn't believe it either until I verified it. That is about the same as a rubber duck if you were anywhere near a wall or something.

If you operate a lot of 440, you may want to consider something else, but I thought you would be interested in that fact.

73,
Gene
AA6IY (@N6LDL)

```
From 9123019384154698956
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-16 09:45:49 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
elroy.jpl.nasa.gov!decwrl!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Message-ID: <7880134@hpfcdc.HP.COM>
Date: 16 Mar 90 17:45:49 GMT
References: <9003051529.AA05504@pelham.med.unc.edu>
Organization: HP Ft. Collins, Co.
Lines: 19
Posted: Fri Mar 16 18:45:49 1990
```

The poster of the basenote is trying to get from 5 to 13. I'm trying to break the 13wpm barrier and get to 20. I ran into a guy on the 80m novice CW band that suggested that I copy in my head by sound, without writing it down.

One of the problems with writing down characters while listening is just that - you can't do two dissimilar things at once. By getting the translation part down, you can buffer words in your head, then write down words link normal people do. The key is to compress the information in your mind as much as possible - concentrating on word sounds, rather than sounding out letters. For example, what sound is easier to remember - "example" or "e"-"x"-"a"-"m"-"p"-"l"-"e" ?

I've tried this approach, and find that I can understand most characters at 20 wpm, but I'm still having trouble buffering the words. The worst words are ones that are not spelled the way they sound.

Perry Scott
KF0CA

```
From -8210151668062201082
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c42dc9b4349291d3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-16 10:14:42 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!elroy.jpl.nasa.gov!decwrl!ucbvax!hplabs!
hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
```

```
Newsgroups: rec.ham-radio
Subject: Re: hp/harrison 6206b info?
Message-ID: <7880135@hpfcdc.HP.COM>
Date: 16 Mar 90 18:14:42 GMT
References: <400020@techsup>
Organization: HP Ft. Collins, Co.
Lines: 4
Posted: Fri Mar 16 19:14:42 1990

You might try dropping a line to the local HP support office (HP in
Yellow Pages).  Sometimes they can dig up info on this old gear.

Perry Scott


From -3926278998907693513
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0cb690782153abb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-16 10:30:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!pikes!udenva!isis!nyx!whester
From: whester@nyx.UUCP (William R. Hester)
Newsgroups: rec.ham-radio
Subject: Re: INFO-HAMS Digest V90 #277
Message-ID: <351@nyx.UUCP>
Date: 16 Mar 90 18:30:38 GMT
References: <C56ABAAC925FE008B7@uwplatt.edu>
Reply-To: whester@nyx.UUCP (William R. Hester)
Organization: Public Access Unix - University of Denver
Lines: 52
Posted: Fri Mar 16 19:30:38 1990

In article <C56ABAAC925FE008B7@uwplatt.edu> 390624331@UWPLATT.EDU (W K 9
) writes:
>Well, this isn't really about digest V90 #277 but the computer gave me t
at
>subject.
>
>What value capacitor would anyone recommend to be put accross my stereo'

>speaker terminals to stop humming caused by Xmting on 2m?  I amagine tha
 this
>would happen too (probably even worse) with HF.  The RF gets into the st
reo
>so bad that when transmitting at high power, it kicks in the stereo's pr
-
>tection circuits and turns off the speakers for a few seconds.  Also wha

>voltage?  Stereo specs say max of 65W/ch.
>
>Hmmm. (pun)  Thanks!
>
```

>'73, Randy WK9M

Randy, Please be very carefull! Some stereo amps can not take the low impedance that a capacitor across the output will present at ultrasonic frequencies. Typically, wide-band response amps "see" a load that is almost a short circuit at higher frequencies. Some amps will shut down due to excessive current in the output. Other amps burn up the output stages because the capacitive load changes the original design parameters used for the amp's internal feedback...the amp go into high frequency oscillations which may not even be heard in the speakers (BTW, this can also burn out the voice coil of tweeters due to excessive high freq. power levels that they were never designed for).

I learned about this little problem first hand when I was a stereo service tech and had to rebuild an amp when the owner put >shielded< wiring to the speakers in an effort to solve an RFI problem. There's lots of capacitance added with this type of wire.

Before you charge ahead, contact the manufacturer of you stereo for their exact recommendations on resolving the RFI problem. Perhaps the signal is not entering through the speaker wiring at all...mayby it's coming directly in through a non-shielding plastic case into the low level circuitry or perhaps its coming in through the line cord.

I have the same problem with my stereo, a buzzing sound when transmitting, which I found could be cured by moving the transmitting antenna further away...a case of fundamental overload.

Good Luck with this problem...it can be very frustrating to resolve.

73's, Bill, N0LAJ

From 1071379115149395309
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0cb690782153abb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-16 11:49:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Re: INFO-HAMS Digest V90 #277
Message-ID: <1250134@hpnmdla.HP.COM>
Date: 16 Mar 90 19:49:00 GMT
References: <C56ABAAC925FE008B7@uwplatt.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 8
Posted: Fri Mar 16 20:49:00 1990

Don't put too big a cap across your speaker terminals to cure RFI. It might cause instability in the amplifier.

In fact, 330 pF capacitors are series-resonant at about 146 MHz (assuming short leads), so would make an excellent bypass capacitor for the 2 meter band. This should be small enough not to mess up amplifier response.

Al N1AL

From 6615099700249963456
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e935d438a9365dc2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-16 17:28:18 PST
Path: gmdzi!unido!mcsun!uunet!nuchat!moray!splut!jantor!linkit!Jim.Heil
From: Jim.Heil@linkit.linkit.wd5efc.ampr.org (Jim Heil)
Newsgroups: rec.ham-radio
Subject: Public Domain programs, how get?
Message-ID: <106.26024922@linkit.linkit.wd5efc.ampr.org>
Date: 17 Mar 90 01:28:18 GMT
Organization: Herb's Place, Webster Tx (713) 480-1840
Lines: 15
Posted: Sat Mar 17 02:28:18 1990

Bob, you mention the public domain files in comp.sources.misc. How does one get a file from that? Being a new comer, these wonderful hints aren't available without asking many questions to even more people.
Thanks for the help in advance.
Also, is there a file that explains the inner workings of this system in lay men terms?
Jim Heil
KB5AWM @ KA5KTH
PRODIGY: GTMS56A

--
Jim Heil - via FidoNet node 1:106/7873
UUCP: ...!splut!jantor!linkit!Jim.Heil
serviced via UFGATE 1.0

From -9018010896867633761
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5071701a5ccb0987,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-17 06:18:20 PST
Path: gmdzi!unido!mcsun!uunet!samsung!think!snorkelwacker!bloom-beacon!w1gsl
From: w1gsl@athena.mit.edu (Steven L. Finberg)
Newsgroups: rec.ham-radio
Subject: JIL Scanner Info Wanted
Message-ID: <1990Mar16.171630.4803@athena.mit.edu>
Date: 16 Mar 90 17:16:30 GMT
Sender: news@athena.mit.edu (News system)
Reply-To: w1gsl@athena.mit.edu (Steven L. Finberg)

Followup-To: rec.ham-radio
Organization: MIT
Lines: 31
Posted: Fri Mar 16 18:16:30 1990

I have recently aquired a JIL Scanning Monitor, it is marked
HF/VHF/UHF and FCC ID BGL90MSX-400 but has no model number.
It also came with a UHF converter (800-1400 MHz) JIL model RF-8014.

It seems to work and be reasonably easy to operate, but came with
no info. I am looking for at least the operators manual, and
possibly a service manuel. I have had no luck locating the
manufacture are they still in around?

I am particullarly interested in the functions (interface to) of
the rear pannel connectors, the 34 pin remote control, 3 pin AUX
control and the 5 pin REC control.

Does anyone know anything about this beast? Is it worth investing
my time in it? Has anyone done a review?? About how old is it,
and what was it sold for new?

73
Steve F
W1GSL

Please reply either directly or to rec.ham-radio, as I follow that
group via the digest.

****
Steve Finberg
PO Box 82 MIT Br. Canbridge MA 02139
617-258-3754
W1GSL@athena.mit.edu
via W1XM/R 449.725 PL 2A
****

From -1785162615821873254
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,30d24f08a8b77cb4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-17 06:19:17 PST
Path: gmdzi!unido!mcsun!uunet!samsung!think!mintaka!ogicse!decwrl!
shlump.nac.dec.com!koning.dec.com!koning
From: koning@koning.dec.com (Paul Koning)
Newsgroups: rec.ham-radio
Subject: Re: BIT RATE SPEEDS - WORLD RECORDS ??
Message-ID: <9319@shlump.nac.dec.com>
Date: 16 Mar 90 17:13:48 GMT
References: <9003160819.AA16137@ucbvax.Berkeley.EDU>
Sender: newsdaemon@shlump.nac.dec.com
Organization: DEC -- Distributed systems architecture

Lines: 25
Posted: Fri Mar 16 18:13:48 1990

In article <9003160819.AA16137@ucbvax.Berkeley.EDU>,
RHAREL%FAB8@SC.INTEL.COM ("RICHARD HAREL CAL.LAB INTEL") writes:

> Can anyone give me some feedback as to what speeds data transfer is
> achieving these days over:
> a. Conventional Telephone lines

19.2 kbits/second

> b. Leased data lines

44 megabits/second on copper; multiples of that on fiber.

> c. RF (mainly microwave)

No idea, but I'd expect hundreds of megabits/second minimum.

> Is anyone doing some experiments out there digitizing voice and then
> transferring it at high speeds via RF ???
> Maybe the day 'aint so far off when repeater clubs will have a microwave
> dish at their site pointed at OSCAR 'XX' that will forward
> voice messages at 56 mbyte per second.

2.4 kbits/second suffices for digitized voice, with appropriate digitizing algorithms.

paul, ni1d

From -6043900760279106140
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cce085e4f2c910af,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-17 06:30:28 PST
Path: gmdzi!unido!mcsun!uunet!samsung!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: DAYTON!
Message-ID: <30500455@ux1.cso.uiuc.edu>
Date: 16 Mar 90 17:39:19 GMT
References: <1485@raybed2.ray.com>
Lines: 10
Nf-ID: #R:raybed2.ray.com:1485:ux1.cso.uiuc.edu:30500455:000:376
Nf-From: ux1.cso.uiuc.edu!phil   Mar 16 08:15:00 1990
Posted: Fri Mar 16 18:39:19 1990

> BTW the "OFFICIAL U-NET FREQ WILL BE 223.60 DIR. I believe there was mention
> of a 440 MHz freq as well but it escapes me now. Can someone please post it ?
> Also the "MOBILE CROSSBAND REPEATER" is not making the trip this year so
> I will not be able to provide the 220-440 link. Can anyone else ??

How about 445.60 Mhz?

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

```
From -322710944669593688
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ece640e37948c554
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-17 07:02:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!wyse!
pgraham
From: pgraham@wyse.wyse.com (PC-NFS Philip Graham x1124 #)
Newsgroups: rec.ham-radio
Subject: Re: computer rfi
Message-ID: <2638@wyse.wyse.com>
Date: 16 Mar 90 17:00:24 GMT
References: <100522@convex.convex.com> <18230014@hpfcdj.HP.COM>
Sender: news@wyse.wyse.com
Reply-To: pgraham@wyse.UUCP (PC-NFS Philip Graham x1124 #)
Organization: Wyse Technology
Lines: 53
Posted: Fri Mar 16 18:00:24 1990
```

In article <18230014@hpfcdj.HP.COM> myers@hpfcdj.HP.COM (Bob Myers) writes:
>>Robert,
>>I would return the computer to the place of purchase ASAP. A class 'A'
>>computing device is 10dB louder than a class 'B' device.
>
>Not necessarily - a computing device which says that it is "class A" simply
>means that it (more precisely, samples of this model) has been tested and
>certified to pass the FCC requirements for a class A device. It may actually
>be significantly quieter than another device labelled "class B" but was for
>various reasons not tested to that standard. (Class A is, in general, a looser
>requirement than class B, but there are other considerations taken into
>account by manufacturers when they choose which class to certify to.)

Well.... I don't know where he tests computers, or what he buys, but FCC level 'B' does not come for free in any +modern+ computer (aka over the last 7 years). If a "CLASS A" computer is tested and acutally exceeds the limits of a "CLASS B" device I do not know a single person in any company that would not list it as a "CLASS B" device. I have tested computers from many companies and getting to Class B is no small task. A class "A" device will in almost all cases be much hotter than a Class "B" device. When we do testing at my company it takes nearly 3 months to get to the point where we can submit to the FCC on almost any product that is class 'B'. Getting to Class 'A' takes one week and no submital is required. That should say something about the work involved.

The person who originally asked for the help had a problem with a Class 'A' device. I would bet that he also had problems with his FM Radio (some freq) and his TV if it used an antenna and not cable.

A Class 'A' device has no place in the home and especially no place in the
ham shack where the ability to hear RF (that rare DX station) is critical.

>
>Even Class B devices may cause annoying interference, if they happen to
>generate RFI at a particular frequency of interest to you - as may be the case
>here. Also, not all interference comes over the power lines, so it's not
>too suprising that adding a line filter didn't help. (Actually, given that
>it's relatively simple to keep VHF frequencies off the power cord, I would've
>been surprised if conducted interference had been the culprit here.) You
>are more likely seeing interference radiated from the system.

All true and shows that even Class 'B' devices are not perfect from a
hams perspective. So why not get the best that you can and avoid most of
the problems.... As a side note, If you see a "VDE level 'B'" sticker
on the product that is better yet since it has been tested to an even
harder standard (this test is harder on conducted emissions and also
checks for Magnetic emissions).

I deleted all of the suggestions to conserve net bandwidth... All
are valid...

From 3351801077394804053
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,30d24f08a8b77cb4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-17 08:00:05 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!elroy.jpl.nasa.gov!decwrl!shelby!neon!bodega.stanford.edu!paulf
From: paulf@bodega.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: BIT RATE SPEEDS - WORLD RECORDS ??
Message-ID: <1990Mar16.185637.27390@Neon.Stanford.EDU>
Date: 16 Mar 90 18:56:37 GMT
References: <9003160819.AA16137@ucbvax.Berkeley.EDU>
Sender: news@Neon.Stanford.EDU (USENET News System)
Reply-To: paulf@bodega.stanford.edu (Paul Flaherty)
Organization: The Three Packeteers
Lines: 23
Posted: Fri Mar 16 19:56:37 1990

In article <9003160819.AA16137@ucbvax.Berkeley.EDU> RHAREL%FAB8@SC.INTEL.COM
("RICHARD HAREL CAL.LAB INTEL") writes:
>Can anyone give me some feedback as to what speeds data transfer is
>achieving these days over:
>a. Conventional Telephone lines

Theoretical Bandwidth is 22KHz; 19.2Kb (or 2x9.6Kb) are pretty close.

>b. Leased data lines

Depends on how much money you want to spend. ISDN over simple 4 wire pair
goes about 144Kb. OC3 service will get you 155.52 Mb, but will cost a whole
lot more.

>c. RF (mainly microwave)

Yo, Glen? What are you up to these days? ;-)

Seriously, using cheap stuff, some common data rates are 240.3Kb, 1.544Mb,
10Mb. Define cheap as being under $500 per end.

--
-=Paul Flaherty, N9FZX/VK2WYX | "Unix could use a more user-friendly front
->paulf@shasta.Stanford.EDU | end. Does anyone have a card punch handy?"

From 2446516131626222830
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,222d3a5d46417064
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-17 08:16:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!usc!rutgers!rochester!kodak!mark
From: mark@kodak.UUCP (Mark Hilliard)
Newsgroups: rec.ham-radio
Subject: Re: two antennas - one feed line?
Message-ID: <2397@kodak.UUCP>
Date: 16 Mar 90 19:55:45 GMT
References: <132992@sun.Eng.Sun.COM>
Reply-To: mark@kodak.UUCP (Mark Hilliard)
Organization: Eastman Kodak Co, Rochester, NY
Lines: 14
Posted: Fri Mar 16 20:55:45 1990

In article <132992@sun.Eng.Sun.COM> jneher@tenorman.Sun.COM (Jonathan Neher
X62863) writes:
>Hello,
>
>I own two j-pole antennas, one for 2 meters and on for 440 Mhz.
>a 50 ohm, dual-band antenna to my dual-band transiever)?
>

Yes, buy a 2m 70cm duplexer and put it at the end of your feed line.
This will make your 2 antennas look like one dual bander. The cost for
a good outdoor duplexer from larson is about $60.00. Good luck.

73
Mark Hilliard N2HHR
rutgers!rochester!kodak!brandy!mark

From 1255671976514418347
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c669dd5af1fcb6f4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-17 10:00:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!rochester!rit!cci632!dvh
From: dvh@cci632.UUCP (David Hallidy)
Newsgroups: rec.ham-radio
Subject: Re: QSL's for QSO's from the 60's
Message-ID: <35151@cci632.UUCP>
Date: 16 Mar 90 20:51:46 GMT
References: <49369116.20b6d@apollo.HP.COM>
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 69
Posted: Fri Mar 16 21:51:46 1990

In article <49369116.20b6d@apollo.HP.COM>, raisbeck_m@apollo.HP.COM (Michael Raisbeck) writes:

> Anyone have any idea how I might locate the following folks? I would
> dearly love to get QSL's for these qso's that I made in the 60's
>
> KZ5CU, Joe in Ft. Clayton, Canal Zone, worked Nov. 13, 1964 on 14.070 cw at 1703
> CR6GS, Henry in Nova Lisboa, Angola, worked March 6, 1965 on 21.090 cw at 1327
>
> Any help would be greatly appreciated.
>
> 73,
> Mike
> K1TWF

I can't help you specifically with THESE calls, however a little sleuthing may produce results. When I got back into DXing in '82, after being off the air for 6 years and not interested in DX for a few before that, I found I had QUITE a collection of QSO's with DX countries for which I needed a card (for DXCC credit). I got myself the latest copy of the DX Callbook and started looking up the countries (hopefully to get addresses of these old stations). More often than not, the guy you worked is still around. For example, even tho' CR6 is no longer the prefix for Angola, there aren't too many hams in that country and examining the list of (I think) D2 calls listed may reveal one such as "D2GS" with the same first name and in the same city. Bingo! Odds are you just found him! With KZ5 stations, you will have a problem, since those were military personnel stationed in the (then) U.S. Canal Zone. However, there are ways to track at least some of these folks down, assuming they're still alive and licensed. "QRZ DX" is a newsletter published exclusively for the DX community and if you write Bob W5KNE (the publisher) and tell him you'd like to find the whereabouts and QSL info for such and such (your KZ5 for example), he'll publish your request in the newsletter. Many people read it and the odds are pretty good that someone knows the guy (again- if still kicking and/or licensed) and will pass the info along. Another tip is the "GO List"- published by W6GO, this is a list of QSL managers/ QSL routes. Though most are for the more or less current crop of DX stations, there are many old stations still listed- I think he claims something like 6000 stations/ managers QSL routes.

Now- you've found him, how to get a card? I found that a letter to the guy, much more than a QSL card (or at least along with a card) is the key to success. Tell him how much you enjoyed the QSO "n" years ago, and how you really need the card (if you do) for an award, or for the sentimental value. I've found that the vast majority of these guys still have cards around, even from calls they no longer hold, or from DX-peditions long past. If it's a DX station, help him out- he may have been using a manager years ago, to reduce his postage expenses. Now you're writing him direct, asking for a card- include some postage money (at least some IRC's) so he doesn't have a real good reason not to help you- oh yeah- also a self-addressed envelope (not SASE, but SAE). I did this with about 20 countries when I got back on, and I got cards FROM EVERY ONE- in fact, I got some of the nicest letters back, welcoming me back on the air. It was fun. One thing- make sure, to the best of your ability, that you have ALL the QSO info correct (dates, times, freqs, etc.)- if he has to go through a large number of logs to find the QSO, he'll be less likely to help you.

The only bad news is trying to find a U.S. station who has changed his callsign- I have not found a good way to do this- the FCC computer doesn't hold callsign change info for very long, I guess, and they're not very cooperative. Sigh.

Well, this has been long, but I hope somewhat helpful. Good luck in your detective work.

73   Dave KD5RO/2

```
From -2110925459356631197
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d15628759bea3d25
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-17 10:00:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!rochester!rit!cci632!dvh
From: dvh@cci632.UUCP (David Hallidy)
Newsgroups: rec.ham-radio
Subject: Re: 'tenna help please?
Keywords: TA-33 beam
Message-ID: <35152@cci632.UUCP>
Date: 16 Mar 90 20:57:36 GMT
References: <7686@b11.ingr.com>
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 25
Posted: Fri Mar 16 21:57:36 1990
```

In article <7686@b11.ingr.com>, herbster@b11.ingr.com (Joe Herbster) writes:
>
>   Yet another request for info please....
>
>   I am putting up a used (got a DEAL) TA-33 tri-band beam but did not
>   get any paperwork with it. I am looking for any information on the
>   assembly instructions, element spacing, etc. I hate to work in the
>   dark. This is a Mosley TA-33M three element 14' boom for 10/15/20.
>
>   Thanks very much, de km4jn

How about a phone call to Mosley? their number is (314)994-7872. I'm
sure they will supply you with a set of assembly instructions for
little or no money, especially since the antenna is still in
current production.

This isn't a flame, but I think any info you might get regarding
assembly over the net, without having a picture to look at, would
probably be difficult to follow and could well result in the
best looking dummy load in your neighborhood.

Hope this helps.

73   Dave KD5RO/2

From -7903891761291625147
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,222d3a5d46417064
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-17 10:00:23 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!orca.wv.tek.com!porkface2!miker
From: miker@porkface2.WV.TEK.COM
Newsgroups: rec.ham-radio
Subject: Re: two antennas - one feed line?
Message-ID: <6486@orca.wv.tek.com>
Date: 17 Mar 90 02:12:00 GMT
References: <132992@sun.Eng.Sun.COM> <5120008@hpindda.HP.COM>
Sender: nobody@orca.wv.tek.com
Reply-To: miker@porkface2.WV.TEK.COM ()
Organization: Tektronix, Inc., Wilsonville, OR
Lines: 4
Posted: Sat Mar 17 03:12:00 1990

The Yaesu Duplexer contains a low pass filter and a high pass filter.
5 airwound inductors and 5 caps. Can build one for less than a buck.
One radio on two antennas doesn't require much isolation. Be more
careful when using two radios on one antenna.

From 723752090059940297

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a9ca410d56dd46f1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7efb62e1bb117e3f
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-03-17 10:01:33 PST
Path: gmdzi!unido!mcsun!sunic!luth!eru!bloom-beacon!mintaka!think!samsung!usc!rutgers!netnews.upenn.edu!pender.ee.upenn.edu!jliu
From: jliu@pender.ee.upenn.edu (.)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: DAK radio update?
Summary: no delivery until April 7th
Message-ID: <21797@netnews.upenn.edu>
Date: 17 Mar 90 04:27:53 GMT
References: <133007@sun.Eng.Sun.COM>
Sender: news@netnews.upenn.edu
Reply-To: jliu@pender.ee.upenn.edu (.)
Distribution: rec.radio.shortwave
Organization: University of Pennsylvania
Lines: 16
Xref: gmdzi rec.radio.shortwave:709 rec.ham-radio:10246
Posted: Sat Mar 17 05:27:53 1990

I called DAK the other day to order that little shortwave radio, and they told me the radios won't be available for delivery until April 7th. As soon as I get it, I'll post an evaluation.

```
----------------------------------------------------------------------------
                             |z
   John C. Liu                            |
                             |      * <- me!
   Electrical Engineering Dept         |
   University of Pennsylvania              |
   Philadelphia, PA 19104                 |_____________________Y
                                /
   Inet: jliu@pender.ee.upenn.edu        /
                              /
                             /x
```

From -1716910110866975634
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc83561d415f2d44
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-17 11:30:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!mailrus!ames!pasteur!ucbvax!HICKAM-EMH.AF.MIL!1843eie
From: 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE")
Newsgroups: rec.ham-radio
Subject: QSL Cards
Message-ID: <9003170801.AA10106@ucbvax.Berkeley.EDU>
Date: 17 Mar 90 08:01:43 GMT

Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 49
Posted: Sat Mar 17 09:01:43 1990
X-Unparsable-Date: 16 Mar 90 08:37:00 GMT-10:00

INTEROFFICE MEMORANDUM

Date: 16-Mar-1990 08:34am HST
From: 1843EIG/EIE
1843EIE
Dept: 1843EIG/EIE
Tel No: 656-1158

TO: Remote Addressee (_INFO-HAMS@WSMR-SIMTEL20.ARMY.MIL)

Subject: QSL Cards

>I'd recommend W4MPY out of Monetta, South Carolina. He advertises
>in QST every month so you can get the address there. I have done
>business with them, and they produce a very nice card for a VERY
>reasonable rice. They can do customs or you can pick from a number
>of standard designs. They will also send you samples, pricing and
>an order form for the asking. Also, they rarely charge for extras
>such as logos or awards, which a lot of the others have a fee to include
>in your design. Give 'em a try- you won't be sorry, but if you are,
>they'll refund your money.

>I have no affiliation with QSLs by W4MPY other than as a satisfied
>customer.

>73 Dave KD5RO/2

Hear, hear! I've also used W4MPY and have the same feelings as Dave. Besides being a mouthful on phone (and wrist-tiring on CW), WD6CQV/KH6 just doesn't fit on the average QSL card, but W4MPY got it all on with room to spare, and it looks good, too! Turnaround time was only about three weeks, even with the shipping time between Hawaii and South Carolina.

```
-------------------------------------------------------------------------------
Jeff Miller, WD6CQV/KH6                 |  "Just because I'm a Californian,
USAF MARS:  AFA8JM                      |     it doesn't mean I'm not an
Chief, Engineering Workload Control     |            American!"
1843 EIG/EIP                            |                -- Agnes DiPesto,
Wheeler AFB, HI  96854-6348             |                  "Moonlighting"
Commercial: (808) 656-1226              |
AUTOVON: (315) 456-1226                 |
```

Opinions?   Me?   On government time?   Ya gotta be kidding!

From 2111231390359163197
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7fb63c886cf297f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-17 11:32:12 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!usc!ucsd!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com (DUBE TODD)
Newsgroups: rec.ham-radio
Subject: Re: Re: Forgiving the League for Incentive
Message-ID: <9003162057.AA03933@ti.com>
Date: 16 Mar 90 20:39:54 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 62
Posted: Fri Mar 16 21:39:54 1990

This discussion seems to be drifting back to "code vs no-code" via "new" ideas for licensing exams

Most of the ideas presented so far approach a call for two classes of license: (1) Radio Operator (RO), and Technical Operator (TO).
The RO license would be issued to anyone who could demonstrate proficiency
in 1. Coming up with enough money to buy a rig, computer, peripherals, antenna, software, and tuner.
2. being able to locate the on-off switch and knowing which position is the "on" position.
3. Knowing the diference between a D-type connector and a PL-239.
4. The appropriate terminology to use on 2-meter FM (voice) and packet routing.

The TO license would require substantially the same technical knowledge as is now required, with the addition of a few questions regarding FCC type-acceptance and what types of equipment may be used in which radio services.

A person could have either a RO, a TO, or a ROTO (combination) license.

In practice, a RO could not make any adjustments to equipment that would affect the frequency (other than the tuning knob(s)), the output power, or the modulation characteristics of the transmitter. But could use any FCC type-accepted equipment that they could find a way to chain together to effect communication with other stations. The TO would not be under these restrictions and could modify, build, or make any adjustments to equipment that would not result in emitting a signal outside the limits placed on the service. This would, of course, include modifications or adjustments to RO equipment.

For both the TO and RO classes (commutatively applicable to ROTO), a comprehensive operating rules exam would have to be passed. It would be an open-book exam to encourage reading and studying about the radio service they are (or hope to be) licensed for. Such an exam would be required at annual intervals to maintain this encouragement. It would cover such aspects as: (1) What the band limits are and why they are there. (2) What modes of operation are allowed on each band. (3) What to do when the frequency you want to use is occupied. (4) How to Call another station; and how to reply to a call. (5) when you need to ID your station and how it is to be done. (6) What is music and what is profanity (not a court definition, but a service definition). (7) How To Be Courteous and Considerate. (8) What the transmitter power limits are. Finally, an actual operator run, with two VE's unknown to the testee evaluating would be administered. The operator would be required to ACTUALLY operate his equipment, in the presence of the evaluators, in each of the modes he intends to run. Successful demonstration would then be indicated by checking off the appropriate blocks on the license application.

This would do for a start. The Lawyers can add myriad details to each point as they see fit. Notice that the dreaded letters, CW, will only appear at the Operator Evaluation Annual Test (OEAT), and then will apply only to those expecting to actually operate this mode.

To make sure that operators adhere to their license conditions, any operator found to be operating in a mode or manner inconsistent with his license would have his equipment seized and his zicense revoked for six months, or until his next annual renewal date, whichever is later. Such an operator would be placed in "Status Operator License Activity Revoked" category (SOLAR).

73,
Dube Todd   N5PDK   :)

From -5751590242662016922
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d6a5b7864d62b947,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-17 12:48:12 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!asuvax!stjhmc!f1.n234.z1.fidonet.org!Jim.Grubs
From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Anthropology 101
Message-ID: <14788.260242D3@stjhmc.fidonet.org>
Date: 17 Mar 90 13:54:35 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 88
Posted: Sat Mar 17 14:54:35 1990

The following is forwarded on behalf of Michael Covington, whose system does not now permit him to do so himself.

Date: Thu, 15 Mar 90 00:41:14 EST
From: asuvax.eas.asu.edu!CORNELLC.cit.cornell.edu!MCOVINGT%UGA.UGA.EDU (Michael Covington)
Subject: Ham radio anthropology
To: Bryan Pfaffenberger <xb.p07@forsythe.stanford.edu>
Cc: Jim Grubs <jim.grubs@w8grt.fidonet.org>

I just saw your appeal for information about the social values of ham radio enthusiasts. I've been around ham radio, and reading about it, for perhaps 25 years though I've only been licensed for two years.

(1) Ham radio is definitely egalitarian. There are awards and other status symbols (especially the ascending classes of license), but most people take the attitude that anyone could attain these with suitable effort and inclination.

Hams generally _conceal_ their social status when on the air. Just today I was browsing through QST Magazine for 1949 and came across the following story, which is typical: An American sergeant who was a ham found himself in an isolated place in Europe without supplies. He called a ham in Germany and asked him to deliver a message to headquarters. The ham in Germany did better than that -- he turned out to be General LeMay and he sent out the shipment himself.

(Computer BBSes today have a similar ethic. I've several times found myself talking to 15-year-olds who blissfully assumed that everyone on the BBS was a 15-year-old. I only "pull rank" when necessary to end a long pointless dispute.)

The use of non-voice modes (Morse code and more recently RTTY and packet) enables hams to conceal their dialect, accent, etc. I've been told that through much of this century, black hams preferred Morse code because they could communicate with whites on equal terms.

(2) Sharing ethic: Yes, certainly. (In fact I have a hard time getting hams to realize that commercial computer software can't just be copied indiscriminately.) A typical ham would rather _give_ a piece of equipment to a young new licensee than _sell_ it for a good price. Sharing of information, sharing of equipment, and selling at low prices to other hams are standard practices.

(3) Social service ethic: Definitely! To get a ham license, we have to study Part 97 of the FCC Regulations, which define the purpose of ham radio -- it includes enhancing international goodwill, serving the public, and developing or disseminating technology. Ham radio is _not_ just a hobby. Many hams enjoy doing many hours of public service work every year. We _all_ are available to be called on in emergencies. There's a general feeling that any ham who is not willing to do public service is not worthy of a license.

For example, the National Traffic System is a volunteer network that relays messages ("radiograms") for free. Right now it's just a hobby, but if there were ever a major telephone outage, it would swing into action as a valuable communication service. (Some of this happened when Hurricane Hugo disrupted communication in the Southeast.)

What's the main DIFFERENCE between ham radio and computing? I think there are two:

(a) Ham radio is ipso facto a community. You have to have people to talk to. Computing _can_ be pursued alone.

(b) Most computer hobbyists are trying, on some level, to make money with their computers. Lots of times, they do good, useful work. Sometimes, they write programs and give them away free with notices that "if you use this for more than a brief trial period, you must pay me $100" and then grumble that nobody pays the $100.

Among computerists I've sometimes found a money-grubbing attitude that is, by regulation, absent from ham radio. You _can't_ make money with ham radio (at least, not directly). It's forbidden by FCC regulations.

```
---------------------------------------------------------
Michael A. Covington        internet mcovingt@uga.uga.edu
Artificial Intelligence Programs      bitnet MCOVINGT@UGA
Graduate Studies Research Center       phone 404 542-0359
The University of Georgia                fax 404 542-0349
Athens, Georgia 30602           bix, mci mail MCOVINGTON
U.S.A.                          packet radio N4TMI@WB4BSG
---------------------------------------------------------
```

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

From 7784392519204480069
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7fb63c886cf297f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-17 16:30:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!asuvax!stjhmc!f1.n234.z1.fidonet.org!Jim.Grubs
From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Forgiving the League for Incentive
Message-ID: <14795.26027982@stjhmc.fidonet.org>
Date: 17 Mar 90 17:50:32 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 25
Posted: Sat Mar 17 18:50:32 1990

 > From: phil@ux1.cso.uiuc.edu
 > > Well...
 > >   I think that the exams should have a lot more on good operating

> > practices and a lot less on widely varied technology. When we run
> > the hurricane watch net, our biggest problem isn't that someones
> > rig has a technical glitch - it's that the computer between some
> > of the operators' ears is defective. At least these people would
> > have had to memorize some questions such as:
>
> [examples deleted, go back and read them]
>
> > I would sure like to see a bunch of questions like this in the question
> > pool!
>
> Me, too!

Anybody for an oral exam plus an on-the-air 'practical'?

73 de Jim Grubs, W8GRT

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

From 4200726139531318924
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f7a9232d319a0d1d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-17 16:30:34 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!asuvax!stjhmc!f1.n234.z1.fidonet.org!Jim.Grubs
From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Anthro 101
Message-ID: <14796.26027983@stjhmc.fidonet.org>
Date: 17 Mar 90 17:50:39 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 14
Posted: Sat Mar 17 18:50:39 1990

> From: XB.P07@forsythe.stanford.edu (Bryan Pfaffenberger)
>
> Dear Anthro 101 people, thanks so much for your many responses! I
> learned a lot--and laughed a lot.

How 'bout a summary?

73 de Jim Grubs, W8GRT

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs

```
Internet: Jim.Grubs@f1.n234.z1.fidonet.org


From 6988684194413365466
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2b4564e4218f1068,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-17 16:30:37 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
cs.utexas.edu!asuvax!stjhmc!f1.n234.z1.fidonet.org!Jim.Grubs
From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Emergency Preparedness Plans
Message-ID: <14797.26027984@stjhmc.fidonet.org>
Date: 17 Mar 90 17:50:44 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 17
Posted: Sat Mar 17 18:50:44 1990


 > From: jenkins@jpl-devvax.JPL.NASA.GOV (Steve Jenkins)
 >
 > I have volunteered to write a disaster preparedness plan for the JPL
 >
 > I would be very interested in seeing other such plans.  If your
 > club or team has one, please send a copy of it to me at

Try asking your friendly neighborhood USAF types for a peek at their Base
Disaster Preparedness Plan. Talk about detailed....

73 de Jim Grubs, W8GRT


--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org


From -6379766279679931963
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7fb63c886cf297f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-17 16:30:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!asuvax!stjhmc!f1.n234.z1.fidonet.org!Jim.Grubs
From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Forgiving the League for Incentive
Message-ID: <14799.26027987@stjhmc.fidonet.org>
Date: 17 Mar 90 17:50:55 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
```

Lines: 20
Posted: Sat Mar 17 18:50:55 1990

> From: phil@ux1.cso.uiuc.edu
>
> > Phil Howard says
>
> We agree on the definition, but we disagree on whether the current
> activity
> meets this definition. You say it does and I say it does not.
>
> I believe we should make it match the definition.

I think Part 97 should meet the service's minimum regulatory needs and leave
the social engineering out of it.

73 de Jim Grubs, W8GRT

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

From 517585144108627636
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,222d3a5d46417064
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-17 16:30:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!
cs.utexas.edu!asuvax!stjhmc!f1.n234.z1.fidonet.org!Jim.Grubs
From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: two antennas - one feed line?
Message-ID: <14800.26027989@stjhmc.fidonet.org>
Date: 17 Mar 90 17:51:02 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 20
Posted: Sat Mar 17 18:51:02 1990

> From: genem@hpindda.HP.COM (Gene Marshall)
>
> Depending upon the amount of work you do on 440, the answer is you
> need to do nothing. Using a 2-meter J-pole on 440 only results in an
> SWR of 1.8:1 or so! I couldn't believe it either until I verified it.
> That is about the same as a rubber duck if you were anywhere near
> a wall or something.
>
> If you operate a lot of 440, you may want to consider something else,
> but I thought you would be interested in that fact.

On 440 such an arrangement is endfire directive, i.e., upwards!

73 de Jim Grubs, W8GRT

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

From -8581787446942629440
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,222d3a5d46417064
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-17 17:03:24 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!asuvax!stjhmc!f1.n234.z1.fidonet.org!Jim.Grubs
From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: two antennas - one feed line?
Message-ID: <14798.26027986@stjhmc.fidonet.org>
Date: 17 Mar 90 17:50:49 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 19
Posted: Sat Mar 17 18:50:49 1990

> From: phil@ux1.cso.uiuc.edu
> > I own two j-pole antennas, one for 2 meters and on for 440 Mhz.
> > Does anyone know if there is a simple way to hook them up
> > to one feed line (i.e. present the appearance of
> > a 50 ohm, dual-band antenna to my dual-band transiever)?
>
> If your two antennas present an INFINITE impedence at the T point on
> the opposite frequency, then you can directly connect them. However
> this is very unlikely.

Especially since 440 is very nearly the third harmonic of 2 meters....

73 de Jim Grubs, W8GRT

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

From -8641788313096684547
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,222d3a5d46417064
X-Google-Attributes: gid10c9e3,public

```
X-Google-ArrivalTime: 1990-03-17 18:15:57 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!tut.cis.ohio-state.edu!ucbvax!
CISCO.COM!faunt
From: faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: two antennas - one feed line?
Message-ID: <9003220804.AA06857@ucbvax.Berkeley.EDU>
Date: 18 Mar 90 02:15:57 GMT
References: <6486@orca.wv.tek.com>
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Sun Mar 18 03:15:57 1990

Does anyone have information or a pointer to information on building
duplexers for multiband antennas/radios?  Is it reasonble to try to
duplex 144/220/440 on the same cable?  I have antenna that's good for
all of them, the Austin Suburban.
thanx, and 73, doug


From 934328924736785309
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c34269afca18d214
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-17 20:08:37 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!usc!cs.utexas.edu!mailrus!
cornell!uw-beaver!Teknowledge.COM!unix!hplabs!hpfcso!hpldola!ritchie
From: ritchie@hpldola.HP.COM (Dave Ritchie)
Newsgroups: rec.ham-radio
Subject: Re: Looking for General Instruments
Message-ID: <12120034@hpldola.HP.COM>
Date: 18 Mar 90 04:08:37 GMT
References: <9003070826.AA03397@ucbvax.Berkeley.EDU>
Organization: HP Elec. Design Div. -ColoSpgs
Lines: 7
Posted: Sun Mar 18 05:08:37 1990

>The IC division did an LBO, and is now called Microchip Technology.
>They are in Chandler, Arizona. Sorry, no number available - call
>information.
>--

     602-963-7373
          Dave


From -733249990714881172
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7fb63c886cf297f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-17 23:26:49 PST
Path: gmdzi!unido!mcsun!uunet!deimos.cis.ksu.edu!ux1.cso.uiuc.edu!
```

ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Forgiving the League for Incentive
Message-ID: <30500456@ux1.cso.uiuc.edu>
Date: 18 Mar 90 01:39:44 GMT
References: <9003091756.AA04315@ti.com>
Lines: 87
Nf-ID: #R:<9003091756.AA04315@ti.com>:-27:ux1.cso.uiuc.edu:30500456:000:4194
Nf-From: ux1.cso.uiuc.edu!phil   Mar 17 19:28:00 1990
Posted: Sun Mar 18 02:39:44 1990

> The RO license would be issued to anyone who could demonstrate proficiency
> in 1. Coming up with enough money to buy a rig, computer, peripherals,
> antenna, software, and tuner.
> 2. being able to locate the on-off switch and knowing which position is the
> "on" position.
> 3. Knowing the diference between a D-type connector and a PL-239.
> 4. The appropriate terminology to use on 2-meter FM (voice) and packet
> routing.

You leave out some important things:

People should have some understanding about radio interference, how to do what they will do CORRECTLY (e.g. hook up coax and power), FCC regulations, and safety.

Why should they need to know about connector types appropriate for HF when we are planning to give them essentiallu UHF privileges?

> The TO license would require substantially the same technical knowledge as
> is now required, with the addition of a few questions regarding FCC type-
> acceptance and what types of equipment may be used in which radio services.

What the current requirements are, in terms of technically level, are the MINIMUM that should be required for the least privilege. Anything less is just CB (IMHO).

> In practice, a RO could not make any adjustments to equipment that would
> affect the frequency (other than the tuning knob(s)), the output power,
> or the modulation characteristics of the transmitter. But could use any

Sure SOUNDS like CB now!

> FCC type-accepted equipment that they could find a way to chain together
> to effect communication with other stations. The TO would not be under
> these restrictions and could modify, build, or make any adjustments to
> equipment that would not result in emitting a signal outside the limits
> placed on the service. This would, of course, include modifications or
> adjustments to RO equipment.

NO NO NO NO NO NO !!

NEVER NEVER NEVER !!

I do not want to start having the FCC type-accepting ham gear, even though some hams can be using the non-type-accepted gear. It will just end up raising the prices for everyone.

> For both the TO and RO classes (commutatively applicable to ROTO), a comprehensive operating rules exam would have to be passed. It would be an open-book exam to encourage reading and studying about the radio service they are (or hope to be) licensed for. Such an exam would be required at annual intervals to maintain this encouragement. It would cover such aspects as: (1) What the band limits are and why they are there. (2) What modes of operation are allowed on each band. (3) What to do when the frequency you want to use is occupied. (4) How to Call another station; and how to reply to a call. (5) when you need to ID your station and how it is to be done. (6) What is music and what is profanity (not a court definition, but a service definition). (7) How

What if two people disagree on it? Who'sto say who is right, without codifying it into the rules, or hearing it in court?

> To Be Courteous and Considerate. (8) What the transmitter power limits are. Finally, an actual operator run, with two VE's unknown to the testee evaluating would be administered. The operator would be required to ACTUALLY operate his equipment, in the presence of the evaluators, in each of the modes he intends to run. Successful demonstration would then be indicated by checking off the appropriate blocks on the license application.

Not practical.

> This would do for a start. The Lawyers can add myriad details to each point as they see fit. Notice that the dreaded letters, CW, will only appear at the Operator Evaluation Annual Test (OEAT), and then will apply only to those expecting to actually operate this mode.
>
> To make sure that operators adhere to their license conditions, any operator found to be operating in a mode or manner inconsistent with his license would have his equipment seized and his zicense revoked for six months, or until his next annual renewal date, whichever is later. Such an operator would be placed in "Status Operator License Activity Revoked" category (SOLAR).

The FCC can do this already.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From -2045769733288220403
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8116e8738488f14a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-18 02:45:06 PST

```
Path: gmdzi!unido!mcsun!uunet!lll-winken!brutus.cs.uiuc.edu!samsung!cs.utexas.edu!
rutgers!rochester!rit!ultb!cjk4800
From: cjk4800@ultb.isc.rit.edu (C.J. Kohanek)
Newsgroups: rec.ham-radio
Subject: Re: Forgiving the League for Incentive
Summary: I have to agree on this one
Message-ID: <2491@ultb.isc.rit.edu>
Date: 17 Mar 90 19:49:13 GMT
References: <25@<14302> <30500444@ux1.cso.uiuc.edu>
Reply-To: cjk4800@ultb.isc.rit.edu (C.J. Kohanek )
Organization: Information Systems and Computing @ RIT, Rochester, New York
Lines: 52
Posted: Sat Mar 17 20:49:13 1990
```

>I disagree with the concept of making privileges a reward. This makes it
>something like a prize.

I have to agree there. Dolphins get rewarded for jumping through hoops.
Children get rewarded for behaving in the restaurant...Don't you think
WE could make the whole process more logical (and Dignified)?

>The exams SHOULD measure how capable we are of NOT abusing the privileges
>that we want to have.

The present system is a lot like taking a Physics class and being tested
on Music Theory. Knowing Physics may help you understand why note
combinations sound dissonent or consonent, but should you have to know
one, that you will probably never use, in order to do the other?

>Prizes are offered for doing things that may in fact NOT be related to the
>nature of the prize. We should not be doing this in ham radio. VHF/UHF
>privileges are unrelated to Morse Code for most people.

Thanks Phil. How many of you have ever run VHF or UHF CW? Not a heck
of a lot of fun compared to using the low bands, is it? Why require
code testing if nobody (or practically nobody) uses that mode in that
bandspace. Stop hideing behind the defense that "If we don't test code,
Ham Radio is going down the toilet like CB". If we keep insisting on
code testing, ham radio will go down the toilet. Let's concentrate on
training our hams on emergency procedures, operational courtesy, and the
like. Let's stop allowing hams to go years without learning how to
PROPERLY participate in a traffic net. Right now, it's pretty sad.

>--Phil Howard, KA9WGN--
><phil@ux1.cso.uiuc.edu>

Thanks Phil, I think we better set some real goals for Ham radio and
work toward achieving them. If CW is legitimately part of the plan,
fine. If it has truly become a relic, let's treat it as such.

Christopher J. Kohanek, Secretary
Rochester Institute of Technology ARC
Center for Imaging Science

Newsgroups: rec.ham-radio
Subject: Re: Effect of Sun/Heat on Reception
Summary:
Expires:
References: <1273@nsscb.UUCP>
Sender:
Reply-To: cjk4800@ultb.isc.rit.edu (C.J. Kohanek)
Followup-To:
Distribution:
Organization: Information Systems and Computing @ RIT, Rochester, New York
Keywords:

From -6388396430714545778
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7fb63c886cf297f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-18 02:45:14 PST
Path: gmdzi!unido!mcsun!uunet!samsung!sol.ctr.columbia.edu!emory!mephisto!gatech!kd4nc!ke4zv
From: ke4zv@kd4nc.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Re: Forgiving the League for Incentive
Message-ID: <4116@kd4nc.UUCP>
Date: 18 Mar 90 00:33:47 GMT
References: <9003162057.AA03933@ti.com>
Reply-To: ke4zv@kd4nc.UUCP (Gary Coffman)
Organization: none
Lines: 40
Posted: Sun Mar 18 01:33:47 1990

In article <9003162057.AA03933@ti.com> dube@cpdvax.csc.ti.com (DUBE TODD) writes:
>Most of the ideas presented so far approach a call for two classes of
>license: (1) Radio Operator (RO), and Technical Operator (TO).
>
>For both the TO and RO classes (commutatively applicable to ROTO), a
>comprehensive operating rules exam would have to be passed. It would
>be an open-book exam to encourage reading and studying about the radio
>service they are (or hope to be) licensed for. Such an exam would be
>required at annual intervals to maintain this encouragement.
>
> Finally, an actual operator run, with two VE's unknown to the
>testee evaluating would be administered. The operator would be required
>to ACTUALLY operate his equipment, in the presence of the evaluators, in
>each of the modes he intends to run. Successful demonstration would
>then be indicated by checking off the appropriate blocks on the license
>application.
>
> Notice that the dreaded letters, CW, will only
>appear at the Operator Evaluation Annual Test (OEAT), and then will apply
>only to those expecting to actually operate this mode.

>73,
>Dube Todd   N5PDK   :)

I know this posting was intended as a joke, but I like it. I especially like the annual OEAT as this could be a good way to get an honest count of licensees who are still alive and active. I expect the number to be much smaller than reported in the flawed QST reports. I also like the idea that you be tested only on the operating modes YOU consider relevant to your needs while retaining comprehensive regulatory and technical exams as appropriate depending on whether you are a RO or TO.

Annual retesting of simulated on the air behavior might even reduce the liddism on HF a little bit. I doubt it tho -(. Lids are a social phenomina that testing will be unlikely to uncover or discourage. By and large these people are not stupid. They will be model operators DURING the test. Lids are a reflection of society's failure to integrate these people into the socially accepted norms of behavior.

73 Gary KE4ZV

```
From 4718200569281920157
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d6a5b7864d62b947
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-18 03:00:51 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!rutgers!bellcore!
ka9q.bellcore.com!karn
From: karn@ka9q.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Re: Anthropology 101
Message-ID: <21031@bellcore.bellcore.com>
Date: 18 Mar 90 06:10:25 GMT
References: <14788.260242D3@stjhmc.fidonet.org>
Sender: news@bellcore.bellcore.com
Reply-To: karn@ka9q.bellcore.com (Phil Karn)
Organization: Secular Humanists for No-Code
Lines: 31
Posted: Sun Mar 18 07:10:25 1990
```

>[...] An American sergeant who was a ham found himself
>in an isolated place in Europe without supplies. He called a ham in Germany
>and asked him to deliver a message to headquarters. The ham in Germany did
>better than that -- he turned out to be General LeMay and he sent out the
>shipment himself.

I had forgotten that LeMay was/is a ham. From my online callbook:

```
Call:           W6EZV
Class:          General
Name:           Curtis E Le May
Mail addr:      1046 Pescador Dr
```

Newport Beach CA 92660
Born: November 15, 1906 (age 83)

The name and year of birth matches the info about him in "The Making of the Atomic Bomb", so this is probably him. Does anybody know if he's still alive?

An interesting, if spooky character. The more I read about him, the more I'm convinced he was the inspiration for General Buck Turgidson (George C. Scott's character) in "Dr. Strangelove". On the other hand, from an incident documented in the PBS series "War and Peace in the Nuclear Age" in which he declared his intention to strike the USSR first if he saw the Russkies massing their planes (despite this not being US policy) perhaps he was the model for General Jack D. Ripper.

Barry Goldwater, Curtis LeMay... how come the hams who rise to prominent national positions always seem to be right wing extremists? :-) :-)

Phil

From 7117735059559585675
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7c395d2564619a05,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-18 06:32:07 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp!deimos.cis.ksu.edu!rutgers!tut.cis.ohio-state.edu!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Six-meter beacon list (comment)
Message-ID: <9003171500.AA22797@cmr.ncsl.nist.gov>
Date: 17 Mar 90 15:00:34 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology formerly National Bureau of Standards
Lines: 17
Posted: Sat Mar 17 16:00:34 1990

Thanks to KA1GD for posting the beacon list. I have a couple of comments.

J52US and 9L1US are the same fellow and rig. He is a 9L1US now-a-days. Thus J52US should be deleted.

I think the Netherlands Antilles beacon,
PJ9B, is the one run by Chet, PJ9EE. Chet moved to Bonaire a couple of years ago and the beacon quit and was sent to him. Right now it is in my radio room in the process of being rebuilt (%$^*%**&^# Hamtronics). I'll get it back to him sooner or later. Its power is about 10 W, and will be on from Bonaire when reactivated.

It would be useful to note which beacons are A1 and which are F1. Most are A1, but FY7THF and '4OOJ are F1. 'THF sends SSSssssooooooo slowly it is hard to copy.

73, Bob W3OTC

From 5188331815940587820
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1ec1f7ba356ab298,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-18 06:32:23 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp!deimos.cis.ksu.edu!rutgers!tut.cis.ohio-state.edu!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Ham Publicity on TV (VK-style)
Message-ID: <9003172124.AA23073@cmr.ncsl.nist.gov>
Date: 17 Mar 90 21:24:16 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology formerly National Bureau of Standards
Lines: 31
Posted: Sat Mar 17 22:24:16 1990

I just returned from a 10-day business trip to Texas and California (I'll bet you noticed the reduced net traffic). On the "middle" weekend I stopped by W3XO/5 (& XYL), who had returned the day before from three weeks in VK and ZL. Among the several hours of 8mm video was a visit to VK2TVG.

Just by chance one of the Sydney hams suggested a visit to VK2TVG. Bill had never heard of it, but was "game". It turns out that 'TVG is a ham-operated TV station, "channel 35 plus", that is in the regular UHF TV region and can be viewed by the general public on regular, unmodified TV sets. The VKs had a 576-585 MHz ham band, and the ham TV repeaters and 'TVG have been grandfathered, even though the band has been given to regular TV.

VK2TVG operates Wednesday, Friday, Saturday and Sunday evenings, with programs (oops,"tests") about ham radio. There was a "test" about working DX during Bill's visit. Wednesday carries new programs, the rest of the days are repeats. It is in commercial-quality color, and originates from a ham's KITCHEN!!!!! That end of the house overflows with switchers, VCRs, etc., etc. While the power is only 100 W (they plan more), it is relayed by other hams. It's an entirely volunteer operation that takes a crew of about 6-8 on duty during "live" periods. The hams at the station asked Bill ('XO) if we had operations like theirs here in the states.

When XO was later in ZL, he asked one of the leading ZL hams if he had heard of VK2TVG. He had; in fact they had flown him over to VK to record an 8-hour series of programs (oops, sorry) "tests".

'TVG is operated by the Gladeville (NSW) Amateur Radio Club.

An amazing operation........

73, Bob W3OTC

From 7562399544528324528
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-18 13:31:33 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!apple!kchen
From: kchen@Apple.COM (Kok Chen)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Message-ID: <39587@apple.Apple.COM>
Date: 18 Mar 90 19:13:19 GMT
References: <9003051529.AA05504@pelham.med.unc.edu> <7880134@hpfcdc.HP.COM>
Organization: Apple Computer Inc., Cupertino, CA
Lines: 53
Posted: Sun Mar 18 20:13:19 1990

perry@hpfcdc.HP.COM (Perry Scott) writes:

>One of the problems with writing down characters while listening is just
>that - you can't do two dissimilar things at once.

Hmmm, I had that problem too when I was improving my code speed. I even went to trying to write with my left hand (I am usually right-handed) to decouple my ear-brain from my hand-brain (hoping that there was a left-lobe/right-lobe distinction). Nope, didn't work :-) :-).

What I did find to work (for me) was to, every now and then, when I reach a plateau, go to hardcopying with a keyboard - i.e., type rather than write. Now, I can't type 20 wpm either (I hunt-and-peck :-), so I couldn't completely keep up with a long string of message. But, a dozen minutes of this was enough to get the silly grey cells decoupled. And I find myself being able to hand-copy to the next plateau, where I go back to a keyboard for a few more minutes. Even so, it was not painless. It took me 5 months to go from about 2 wpm (I have been SWL'ing for 25 years and could recognize Morse characters) to 25 wpm.

And, of course, Farnsworth the thing. It helped me even when I was in the 15 wpm range (Farnsworthed to 20-25 wpm).

By the way, for those of you trying to find interesting source of messages, and live on the US coastal areas, the Coast Guard transmit weather messages in the LF/VLF region at about 18 wpm. Less boring than test tapes. Me? I wrote a program on an AT that keyed a pin on the printer port. I then used that to key an oscillator which fed the antenna spigot of a receiver. The source text that I fed the program were messages from rec.ham-radio (no kidding!), quite often the long ARRL bulletins.

NOW - here is an interesting one - I have been discussing this over lunch with an old friend who I am trying to prod to getting a Tech license. He is probably close to tone deaf, and his XYL and epsilon could copy better than him by just listening to him practice. It is like half a year now and he still cannot make 5 wpm. This OM needs help! :-) :-)

So, I suggested that he copies the dots and dashes down *verbatim* (hey, I think it *is* possible at 5 wpm) on the piece of paper they give you. Then, in the time they give you to answer the 10 questions, you translate the dots and dashes into Roman alphabets. I doubt they will ever give you credit for the "1-minute solid copy," but surely they have to pass you if you get 7 questions answered correctly, don't they? (My copy sheet for 20 wpm was pretty illegible, too, afterall :-)

OK, this is not in the spirit of the thing, but there simply are people out there who just *cannot* make 5 wpm. Any VE's out there want to comment? Would you pass a guy who does this?

73,
Kok Chen, AA6TY   kchen@apple.com
Apple Computer, Inc.

From -1592261232089390084
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,92b1a83cc53d0fac,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-18 13:33:16 PST
Path: gmdzi!unido!mcsun!uunet!ncrlnk!ncrwic!wsuiar!pxgovind
From: pxgovind@wsuiar.uucp
Newsgroups: rec.ham-radio
Subject: beginner questions
Message-ID: <48.26036d4f@wsuiar.uucp>
Date: 18 Mar 90 16:13:18 GMT
Organization: Wichita State Univ., Wichita KS
Lines: 14
Posted: Sun Mar 18 17:13:18 1990

Hi everybody,

I am a beginner to HAM and don't know where to start.
Are there books that would help me start?
Is there an exam that HAM users take (for acquiring license maybe)?
I am in Wichita KAnsas, Is here a group that I can get in touch with?
Please suggest a low cost equipment that would weather the trials of a beginner!
Please e-mail me at

pxgovind@twsuvax   (on the BITNET).

Thanks in advance   g.prakash

From -1360235962214939277

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,59f3aceae73c2c6b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-18 18:04:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!asuvax!stjhmc!
f1.n234.z1.fidonet.org!Jim.Grubs
From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Re: Forgiving the League for Incentive
Message-ID: <14813.2603410A@stjhmc.fidonet.org>
Date: 18 Mar 90 07:49:51 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 24
Posted: Sun Mar 18 08:49:51 1990

> From: dube@cpdvax.csc.ti.com (DUBE TODD)
>
> This discussion seems to be drifting back to "code vs no-code" via "new"
> ideas for licensing exams
>
> Most of the ideas presented so far approach a call for two classes of
> license: (1) Radio Operator (RO), and Technical Operator (TO).
>
> A person could have either a RO, a TO, or a ROTO (combination) license.

I vote for TORO. [:-)

Seriously, your ideas are very good - especially the on-the-air test on operating practices and CW proficiency. My only problem is, how do we certify VE qualifications? As we all know, those who already have licenses can't be presumed to know the gentlemanly rules of the road. Perhaps VEC's should be required to examine their VE's.
73 de Jim Grubs, W8GRT

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

From 3764810403272346484
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c669dd5af1fcb6f4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-18 18:16:25 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!mips!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: QSL's for QSO's from the 60's
Summary: Try searching on name in online call server
Message-ID: <39590@apple.Apple.COM>

Date: 18 Mar 90 22:32:05 GMT
References: <49369116.20b6d@apollo.HP.COM> <35151@cci632.UUCP>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 20
Posted: Sun Mar 18 23:32:05 1990

In article <35151@cci632.UUCP> dvh@cci632.UUCP (David Hallidy) writes:
>The only bad news is trying to find a U.S. station who has changed
>his callsign- I have not found a good way to do this- the FCC
>computer doesn't hold callsign change info for very long, I guess,
>and they're not very cooperative. Sigh.

Don't give up the ship quite so quickly on these. With the excellent new search capabilities that Devon has built into the marvin callsign server, you can look up someone by last *and* first name. If he or she is still licensed, that ought to do the trick.

Patty

--
****
Patty Winter N6BIS   INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]   UUCP: {decwrl,nsc,sun}!apple!winter
****

From 6157011379402958358
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,846e9c7f8de28b8f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-19 03:45:08 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!usc!cs.utexas.edu!oakhill!russell
From: russell@oakhill.UUCP (Russell Stanphill)
Newsgroups: rec.ham-radio
Subject: Re: VISIBLE diode lasers
Message-ID: <3106@peanut.oakhill.UUCP>
Date: 19 Mar 90 05:09:15 GMT
References: <9003170801.AA10099@ucbvax.Berkeley.EDU>
Reply-To: russell@peanut.UUCP (Russell Stanphill)
Organization: Motorola Inc., Austin, Texas
Lines: 5
Posted: Mon Mar 19 06:09:15 1990

I have recently acquired a Product Guide from Toshiba covering visible 670nm laser diodes. I expect they will be quite expense for awhile. Their phone number is 714-455-2000. Part number is TOLD9200.

Does anyone know of a good primer for first time laser hackers?

From 6604457906060205823
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c36d8b37b5fd6f0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-19 03:59:27 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!think!samsung!uunet!philmtl!philabs!briar.philips.com!rfc
From: rfc@briar.philips.com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: G7 antenna note (for older models)
Keywords: water in trap
Message-ID: <87406@philabs.Philips.Com>
Date: 18 Mar 90 19:54:53 GMT
Sender: news@philabs.Philips.Com
Lines: 16
Posted: Sun Mar 18 20:54:53 1990

Those of you in cold areas probably found out about this the hard way. But if you live in warm areas, you may want to take a look at your antenna to see if you are getting trapped water. Before corrosion gets you.

copied from packet (source unknown):
SUBJECT: - files\G7-ANT.MOD

IMPORTANT! YOUR G-7 WILL HAVE A PROBLEM IF IT WAS MFG. BEFORE 23 MAR 88. YOU MUST DRILL A DRAIN HOLE AT THE BOTTOM OF SECTION #5892 THAT IS THE ALUMINIUM TUBING JUST ABOVE THE LOWER PHASING COIL. SPACE THE HOLE AS THE ONE AT THE BOTTOM, JUST BELOW THE FIRST CLAMP. MY G-7 LASTED ABOUT TWO MONTHS AS A REPEATER ANTENNA ON A MOUNTIAN TOP BEFORE THE #5892 SECTION FILLED WITH WATER, FROZE, AND PUSHED THE PRESS FIT PIECE AT THE BOTTOM OUT ABOUT A 1/2 IN. AND PUSHED THE #5891 SECTION WITH THE REST OF THE ANT RIGHT OUT AND SOMEWHERE INTO THE WOODS. ...

From 2493921751792058886
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,40f1c1c3491589aa,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-19 04:00:47 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!snorkelwacker!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: ARRL Letter 27-Feb-90
Message-ID: <1459@n8emr.UUCP>
Date: 19 Mar 90 00:13:51 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 245
Posted: Mon Mar 19 01:13:51 1990

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==============================================================
|        Relayed from packet radio via                 |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
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FCC RELEASES TEXT OF NPRM FOR CODELESS LICENSE

In its release dated February 16, the FCC detailed its rationale behind several issues regarding its newly proposed Communicator Class of amateur license. The FCC sees Communicator as the class of license which most newcomers into the hobby would elect to qualify for. This premise was used as the basis for its proposed elimination of the Novice Class license. Since FCC also proposes a comprehensive 60 question written test for the Communicator, they contend that the Communicator Class will also take the place of the Technician Class for future licensees.

Under the FCC proposal, "a Communicator Class licensee who passes, or otherwise receives credit for a telegraphy examination, would be authorized the additional privileges of the Technician Class." FCC intends to further simplify its documentation process by permitting Volunteer Examiners to issue a Certificate of Successful Completion of Examination (CSCE) as proof of a Communicator's code proficiency instead of formally upgrading them to Technician. The upgraded Communicator would sign their call followed by the identifier "/AC" and it appears that they would do so indefinitely or at least until they upgraded to General Class or higher. Volunteer Examiners would be permitted to issue a CSCE to Novices successfully passing the Communicator written exam. Under the proposal, VECs would provide listings to the FCC of the Communicators with the Morse code endorsement. Finally, the FCC proposes that all examinations be administered by Volunteer Examiners saying that the VECs provide more credible results than does the two examiner system now in use for Novice examinations.

The deadline for filing comments with FCC is August 6, 1990. Between now and the July 20-21 meeting of the ARRL Board, the Directors are looking forward to hearing from as many members as possible to assist them in determining the League's response. The full text of FCC's codeless proposal will appear in the April 1990 issue of QST.

FCC ISSUED CALL SIGN UPDATE

The following is a list of most recently issued FCC call signs (February 1).

DIST	GRP"A" Extra	GRP"B" Advanced	GRP"C" Tech/Gen	GRP"D" Novice
0	WZ0N	KF0HR	N0LMJ	KB0FVV
1	WC1W	KC1TG	N1HID	KA1VCU
2	WV2T	KE2RK	N2KGM	KB2JID
3	NY3G	KD3QX	N3HUR	KA3VSO
4	AB4TE	KN4DY	N4XZO	KC4OMH
5	AA5QF	KI5CH	N5PYD	KB5LPN

6	AA6TX	KK6GE	N6XUD	KC6ILF
7	AA7DH	KF7ZZ	N7OFE	KB7JQL
8	WY8Z	KF8EB	N8LUR	KB8JAQ
9	WO9B	KE9UN	N9JGE	KB9DZH
Guam	KH2M	AH2CF	KH2EI	WH2AMK
Hawaii	***	AH6KG	NH6VV	WH6CGO
Alaska	***	AL7LU	NL7TJ	WL7BXA
USVI	NP2F	KP2BS	NP2DO	WP2AGZ
P.R.	***	KP4QK	WP4XK	WP4ISQ

*** indicates that all 2 x 1 call signs have been assigned in those areas.

The N-prefixed Group C (1X3) call# signs blocks for the fourth and sixth call districts have nearly all been assigned. After N4ZZZ and N6ZZZ have been issued, FCC will begin assigning calls from the Group D (2X3) call sign block.

NEWS FROM THE ARRL DXCC DESK

Walvis Bay (ZS9) was added to the ARRL DXCC Countries List by unanimous vote of the ARRL Awards Committee on February 22. Walvis Bay is an enclave of the Republic of South Africa, surrounded by territory of Namibia. DXCC credit will be given for contacts on or after September 1, 1977. QSL cards may be submitted for DXCC credit on or after June 1, 1990.

The 5 Band DXCC Award is now endorsable for 17 and 12 meters, in addition to 160, 6 and 2 meters. These endorsements are available only for those who have already qualified for 5BDXCC on the basic 80, 40, 20, 15 and 10 meter bands. Send an SASE to ARRL Hq for the endorsement application form.

FCC SHUTS DOWN UNLICENSED BROADCASTER

Working together, the FCC Baltimore and Detroit Field Offices located and shut down an unlicensed West Virginia pirate broadcast station on January 30. Mark R. Leavitt was fined $1000 for illegally operating on 3.820 MHz in the 75 meter amateur band.

Unauthorized operation of a radio transmitter is a violation of Section 301 of the Communications Act. Sanctions may include fines from $10,000 to $100,000 and/or imprisonment for up to one year.

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ARRL COMMENTS IN FCC WARC-92 INQUIRY

The ARRL has filed its comments in response to an FCC inquiry in general docket 89-554. FCC sought information to assist in addressing the allocation issues likely to be raised at the 1992 ITU World Administrative Radio Conference. In its introduction, ARRL said that it recognizes the significance of the Inquiry and... "stands ready to participate fully in the process leading to the US position at WARC-92."

A primary concern for amateurs at the upcoming WARC is the issues that deal with spectrum allocations for HF Broadcasting. FCC asked for comments on the projected needs of the HF broadcasting service. The League responded saying, "There have been dramatic changes in the world since HFBC-87 [WARC for the Planning of the HF Bands Allocated to the Broadcasting Service. Second Session. 1987].. These changes are relevant to the projected needs for additional HF broadcasting service allocations." Some of these "dramatic" changes include: a significant reduction in jamming; easing of restrictions in certain countries which formerly discouraged pluralistic views in their countries; and increasing delivery of information and other material to target audiences by new communications technologies. The FCC also asked whether HF Broadcasting allocations have to be exclusive and, if so, should these allocations be regional or worldwide. To this the ARRL responded, "The HF broadcasting service uses high power transmitters and directional antenna arrays to deliver high field intensities capable of overcoming the insensitivity of inexpensive receivers with built in antennas. In contrast, the amateur... service uses lower transmitter power and more sensitive receiving systems. As a result of these disparate power levels, it is difficult for any other service to share allocations with the broadcasting service.

"... The amateur service in Region 2... has a requirement for access to 500 kHz of spectrum in the vicinity of 3500-4000 kHz because of the great reliance that is placed on use of this band for emergency communications networks. The requirement for access to 300 kHz of spectrum in the vicinity of 7 MHz is equally great, and is growing because of the diversity of modes of emission now being employed by amateurs. Interference from broadcasters is a limiting factor at 3900-4000 kHz and 7100-7300 kHz. As severe as this interference can be, amateurs do make effective use of these allocations... and often can find narrow frequency gaps between broadcasting stations where communications can be conducted even in the presence of interference. Loss of access to any part of these allocations would deal a severe blow to amateur disaster communications capabilities in Region 2. Those capabilities are now substantially lacking in Regions 1 and 3 in the absence of an adequate 7 MHz amateur allocation."

Commenting on other questions regarding frequency allocations affecting amateur bands in the UHF and SHF regions, ARRL noted "There are three amateur service bands within the 0.5-3 GHz range of interest for expansion of mobile-satellite and [other services], namely 902-928, 1240-1300 and 2300-2310/2390-2450 MHz." The League commented that the none of these bands are suitable for additional sharing as they are already being shared by Industrial, Scientific, Medical (ISM) and government radiolocation services, and at intervals throughout the remaining spectrum to 300 GHz.

With regards to proposed new space services above 20 GHz, the League commented that the needs of the amateur and amateur satellite services should not be overlooked when allocations are make for new services. Currently, there are amateur allocations at 24-24.05 GHz on a primary basis and at 24.05-24.25 GHz on a secondary basis with radiolocation services.

The ARRL also commented.."Should the agenda for the conference permit, the US should as a matter of policy pursue the opportunity to effect increased allocations to the amateur services..." including: a new shared allocation with a bandwidth of 50-100 kHz in the vicinity of 5 MHz; an expansion of the amateur allocations at 10, 18 and 24 MHz; and a 50 kHz expansion of the allocation near 14.350 MHz. In addition the League requested that the amateur service allocation in Region 2 at 7.1- 7.3 MHz now subject to harmful interference from high power broadcast stations, be to the amateur service worldwide. ARRL said that it would be ready to provide further justification at an appropriate time.

In its concluding comments, the ARRL said "In 1988, the United States Congress adopted... the Federal Communications Authorization Act of 1988. Among other things, this law stated the sense of Congress that... Government agencies shall take into account the valuable contributions made by amateur radio operators when considering actions affecting the Amateur Radio Service... this legislation made it clear that the intention of Congress... was to urge government agencies that have such jurisdiction to avoid actions which would reduce amateur service frequency allocations. The League urges that this same goal should be adopted by the Commission in its preparatory efforts for WARC-92."

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FCC STARTS WHEELS TURNING ON ARRL "PART 97 CLEANUP PETITION"

The FCC has assigned file number RM-7243 to the League's petition of November 14, 1989, to revise certain sections of Part 97 of the rules governing the Amateur Radio Service, better known as the "Part 97 cleanup petition." The purpose of this petition is to request the FCC to consider certain changes that they did not deal with in PR Docket No. 88-139, the major Part 97 rewrite which became effective on September 1, 1989.

The FCC's stated purpose of the 88-138 proceeding was "reorganization and deregulation of Part 97." Reorganization amounted to changing the order of the subparts and sections, which had become patchwork. The deregulation goal could be measured by the number of pages eliminated from the rules; of course, there was hope for some simplification as well. In its comments to the FCC concerning their proposed rewrite, the League made numerous recommendations, which took the form of a complete new draft. The FCC's Report and Order contained many of the League's recommendations, decided that others were substantive changes and beyond the scope of Docket 88-139, but left the door open for changes under a new proceeding. That's when the ARRL Ad Hoc Part 97 Rewrite Committee was called back into service to draft a cleanup petition.

In its petition, the League asked the Commission for a number of substantive changes. One was to ease restrictions on transmission of third-party traffic when operating under automatic control on frequencies above 50 MHz, which presently allows such operation only when using AX.25; this would eliminate the nee for a control operator to be on duty whenever a voice repeater is used for a traffic net. The petition made a strong appeal to the FCC to amend section 97.121, which presently permits the Field Operations Bureau to restrict an amateur station operation, and entitle the amateur to a hearing in accordance with the section 316 of the Communications Act. The League again asked for relief from "the amplifier ban," which posed frequency and minimum drive power restrictions on commercial ampliiers because of illegal CB use. The present restrictions deprive amateurs from the opportunity to purchase amplifiers for the 24- and 28-MHz bands. The League feels that the restriction in section 97.515(c) that "no person may be a VE if that person's amateur station license or amateur operator license has ever been revoked or suspended" is overly harsh and that a person should be considered eligible to service as a VE ten years after such termination. The ARRL reiterated its request to permit amateurs to retransmit Department of Commerce time signals, weather and propagation forecasts.

As for cleanup, the League asked for definitions to be added for ASCII, AMTOR and Baudot codes, digipeater (to distinguish it from a voice repeater), emergency communications and tactical call signs. Technical improvements in the definitions of bandwidth and spurious emissions were also sought. The League also asked the Commission to add space telecommand, space telemetry, telecomand and telemetry, and to bring them into agreement with Part 2 of the rules. Additional amendments in some sections were recommended to reflect the definitional changes. The League recommended that the rules be amended to require at least four persons to constitute a club, as opposed to the present two persons. The cleanup petition requested flexibility in use of radio apparatus aboard a ship or aircraft; current rules require separate radio equipment for amateur operation, except that a common antenna may be used. The petition asked that the requiremnt that bulletin or code practice stations, for which material compensation is not prohibited (example: W1AW), transmit on all MF/HF bands be reduced to six MF/HF bands.

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Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From -3713193384878808966
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7506a5ef38699d54,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-19 04:00:53 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!snorkelwacker!think!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes, 3/16/90
Message-ID: <1460@n8emr.UUCP>
Date: 19 Mar 90 00:18:18 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 211
Posted: Mon Mar 19 01:18:18 1990

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|         Relayed from packet radio via                |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
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SB ALL @ RTTYDX $RTDX1603
RTTY DX Notes, 1of3, 3/16/90

RTTY DX Notes for Weekending 16th March 1990.
Part 1 of 3.
BID: $RTDX1603

One wonders at times about some of the DXpeditions that explode on the DX world, and promise QSL cards immediately on receipt of green stamps. And there the matter seems to come to a halt. Take for instance JT0DX and the operation of September last year. When, if ever, are the cards to appear? Maybe they are still stuck in a printing press somewhere.

Our thanks this week go to I5FLN, JA1BLV, OD5NG, TG9VT, VE3JPC, VK2EG, W1DA, W1UU, W0LHS and others. Thank you all for your help with these notes.

Bandpass

Friday 9

TU2BB	14074	at	0020Z	ARQ
6Y5EW	14074	at	0025Z	ARQ
LY2WW	14090	at	0235Z	QSL
ZP5DN	14088	at	0245+	
UI8FM	14086	at	0349Z	
J28TY	14092	at	0520Z	Note
HL1MK	14082	at	1800Z	QSL
6W6JX	21088	at	0945Z	
UC2IWR	28092	at	1436Z	QSL
ES7FU	21086	at	1436Z	QSL
UQ2HL	21088	at	1740Z	
TR8AHO	21081	at	1750Z	
HS1BV	21087	at	2010Z	
JY9SR	14090	at	2210Z	

Saturday 10

HH2BZ	14090	at	0005Z
JY9SR	14093	at	0340Z
UC2AIG	14090	at	0600Z
TJ1MW	14085	at	0655Z
XW8KPL	21088	at	0930Z

BZ4RDX	14079	at	1114Z	ARQ
LY2WW	21094	at	1219Z	
KE0YG/TF	28090	at	1408Z	
VS6VC	21084	at	1421Z	
ZS8MI	14086	at	1509Z	
ZS9A	21064	at	1620Z	
CU2CB	28085	at	1815Z	QSL
JX9CAA	14084	at	1922Z	
3X1SG	14084	at	2113Z	QSL
FM5WP	14093	at	2220Z	
5Z4TA	14092	at	2245Z	

Continued in part 2.
/EX
SB ALL @ RTTYDX $RTDX1703
RTTY DX Notes, 2of3, 3/16/90
RTTY DX Notes for Weekending 16th March 1990.
Part 2 of 3.
BID: $RTDX1703

Sunday 11

ZP5DN	21085	at	0020Z	
HL1SX	21090	at	0105Z	
FM5WD	14091	at	0520Z	
TJ1MW	14085	at	0700Z	
KE0YG/TF	28091	at	1115Z	
J28TY	28087	at	1302Z	
UB5HQ	28090	at	1447Z	QSL
9J2AL	28094	at	1710Z	
LY1NYL	14085	at	1815Z	
KP4YD	14089	at	2235Z	
EA9MY	14089	at	2240Z	
9M2GV	21074	at	2240Z	ARQ

Monday 12

AH9AC	14090	at	0440Z	
JY9SR	14093	at	0450Z	
J28TY	28090	at	1245Z	
UC1AWW	21090	at	1710Z	
5H3NL	21086	at	1755Z	
FM5WD	14089	at	2140Z	
TI2YO	21092	at	2235Z	QSL
9K2DS	14072	at	2300Z	ARQ

Tuesday 13

LY1BYL	21088	at	1105Z	

XX9SW	14083	at	1605Z	
EA9JV	14083	at	1605Z	Note
TU2BB	14091	at	2115Z	

Wednesday 14

BY9GA	21093	at	0624Z	QSL
RA9CQM	21085	at	1340Z	
UA2WJ	14087	at	1655Z	QSL
TA3B	14095	at	2150Z	
SV5TS	14091	at	2355Z	

Thursday

ZP5DL	14083	at	0010Z
SV5TS	14088	at	0250Z
9M2RI	14088	at	2030Z
HS1BV	14089	at	2045Z

QSL Information.

LY2WW may have a name change, but the QSL address is still the same as previously.

HL1MK QSL to Box 26 Ulsan, Korea.

CU2BB collects his cards from Box 171 9500, Punto Delgana, Azores.

UC2IWR QSLS via Box 57 Grodno, 230023, Byelorussia, USSR.

FM5WD will QSL via W3HNK.

TI2YO is via KU9Q.

3X1SG is via ON7GV.

JY9SR QSLS via W3FYT.

Continued in part 3.
/EX
SB ALL @ RTTYDX $RTDX1803
RTTY DX Notes, 3of3, 3/16/90

RTTY DX Notes for Weekending 16th March 1990.
Part 3 of 3.
BID: $RTDX1803

ZS8MI will QSL via ZS6PT.

UB4HQ will collect his cards from Box 701, Poltava, 314011. USSR.

BY9GA will QSL via Box 12, Lanzhow, China.

UA2WJ will QSL via Box 535, Kalingrad 326061. USSR.

Notes Of Interest.

J28TY has been reported on 3584 and 7035 KHz around 2000Z.

LY2WW has also been reported on 3583 KHz around 2200Z.

RL8PYL, Alex, will fly to Vietmam on 18th March on his way to Spratley. He will operate in Vietnam before and after the Spratley trip, which means that the Spratley deal may be delayed for a few days. Also check the available information regarding donations to Vietnam. There is still some doubt.

EA9JV reports that he cannot get any vacation in time for the SO1 and 7X trip, so his part of the operation will be delayed. More later.

The Sahara part of the trip by the Lynx group is still going to happen.

Lord Howe Island. Well, you can forget it for this trip. There will be no RTTY, oh shucks.

Aves Island. The Venezuelan Radio Club will operate from Aves Island on 11th to 15th April as YV0AA. They will use RTTY, AMTOR and packet. QSL to Venezuelian Radio Club, Box 2285, Caracas 1010-a Venezuela. Put the expedition call on the envelope.

Jarvis Island. A group will go to Jarvis Island April 13th to 23rd and operate under rule 3b of the DXCC criteria. QSL to Box 2368, Stanford, CA 94309-2368.

JA3PFZ reports that there is a plan to operate from XU and XZ in the near future. More later.

GL DE DX1.

Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA
/EX
SP KT7H @ N7HFZ.WA.USA.NA
3/16/90 test
This is Friday, 3/16/90.
Tad, these bulletins were changed from allus to rttydx
as per our email of last week.
/EX

From -5363123251022786905

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d5680fdef06dfef4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-19 04:24:57 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!snorkelwacker!tut.cis.ohio-state.edu!ucbvax!regent.enet.dec.com!"regent::gettys"
From: regent::gettys@regent.enet.dec.com ("Bob Gettys N1BRM DTN:235-8285 18-Mar-1990 0940")
Newsgroups: rec.ham-radio
Subject: Auto Reply from Watch_Mail for 15-MAR-1990 18:00 to 15-APR-1990 21:00
Message-ID: <9003181440.AA07822@decpa.pa.dec.com>
Date: 18 Mar 90 14:40:05 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Sun Mar 18 15:40:05 1990

I will be out for an extended period.   In my absense please
contact Paul (REGENT::)Nelson for items that will not wait
for my return.

Bob

From 8209551771940017183
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56f9fa2509549202,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-19 04:25:18 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!snorkelwacker!tut.cis.ohio-state.edu!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9003190802.AA01952@ucbvax.Berkeley.EDU>
Date: 18 Mar 90 19:59:26 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 327
Posted: Sun Mar 18 20:59:26 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #665 -
Alouette 1
1 00424U 62B-A  1 90 73.87470828  .00000270  00000-0  31436-3 0  2647
2 00424  80.4604  19.0423 0023388 152.0723 208.1680 13.67308546369801
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ATS 3
1 03029U 67111  A 90 64.89885483 -.00000074  00000-0  99999-4 0  3009
2 03029  13.0757  22.1104 0012712 199.1670 160.3195  1.00271851 81767
Cosmos 398
1 04966U 71 16  A 90 68.18445684  .00065491  16810-4  39072-3 0  6449
2 04966  51.5392 126.6538 2355073 321.1865  24.0893 10.87965544580721
Starlette
1 07646U 75010  A 90 64.82178846 -.00000032  00000-0  21979-4 0   145
2 07646  49.8256 206.3355 0206287 209.7069 149.1977 13.82132287761482
LAGEOS
1 08820U 76039  A 90 66.32425032  .00000003  00000-0  00000 0 0   235
2 08820 109.8640 320.2353 0044521 260.1302  99.4634  6.38664367 67430
GPS-0001
1 10684U 78020  A 90 67.21728405  .00000008  00000-0  99999-4 0  3437
2 10684  63.6734  92.6704 0115742 199.3661 160.3838  2.00557794 73821
GPS-0002
1 10893U 78 47  A 90 67.18712144 -.00000026  00000-0  00000 0 0  1010
2 10893  64.4293 333.5396 0162150  25.6464 335.1729  2.00548716 86642
SeaSat 1
1 10967U 78064  A 90 67.98131311  .00000926  00000-0  36472-3 0  2442
2 10967 108.0168 113.4159 0002020 250.2354 109.8683 14.35466640612078
GPS-0003
1 11054U 78093  A 90 62.00016521 -.00000025  00000-0  00000 0 0  1720
2 11054  63.9604 330.0294 0056442 117.7547 242.8600  2.00566312 83553
Nimbus 7
1 11080U 78098  A 90 65.25166867  .00000087  00000-0  10787-3 0  6351
2 11080  99.1975 332.4807 0008969   3.6499 356.4714 13.83402919573805
GPS-0004
1 11141U 78112  A 90 67.58104268  .00000008  00000-0  00000 0 0  2825
2 11141  63.6727  92.5856 0059399 316.7372  42.8719  2.00561776 82364
GPS-0005
1 11690U 80 11  A 90 65.22770174  .00000009  00000-0  00000 0 0  9164
2 11690  64.1581  94.6710 0112140 203.9351 155.6043  2.00556588 88170
GPS-0006
1 11783U 80 32  A 90 67.53409866 -.00000025  00000-0  00000 0 0   567
2 11783  63.7651 329.4355 0148156  62.6631 298.8876  2.00573338 72301
GOES 5
1 12472U 81049  A 90 65.94865317 -.00000239  00000-0  99999-4 0  8297
2 12472   3.2180  77.1059 0002091 312.8500  47.4900  1.00252019 31224
DE 1
1 12624U 81 70  A 90 66.62614517 -.00000052  00000-0 -35883-3 0  3391
2 12624  89.0791 148.8357 6221663 316.0034   8.6777  3.51025771258551
SME
1 12887U 81100  A 90 67.10447644  .00031549  00000-0  71309-3 0  5102
2 12887  97.6535 108.9256 0003028  45.4518 314.6890 15.43116668465641
Salyut 7
1 13138U 82 33  A 90 67.93426969  .00032192  00000-0  46036-3 0   914
2 13138  51.6058  88.8635 0001148  72.3081 287.8294 15.55923033449201
Cosmos 1383
1 13301U 82 66  A 90 65.32761367  .00000164  00000-0  18019-3 0  5398
2 13301  82.9317  16.1527 0029158  83.1090 277.3379 13.67804892383615
LandSat 4
1 13367U 82 72  A 90 67.04870421  .00000166  00000-0  41735-4 0  2515
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2 13367  98.1784 131.5081 0004200  82.2369 277.9309 14.57130626406578
IRAS
1 13777U 83  4  A 90 65.56088371  .00000496  00000-0  36906-3 0  7228
2 13777  99.0311 263.9114 0011706 312.4395  47.5776 13.98752674 32595
Cosmos 1447
1 13916U 83 21  A 90 65.08284417  .00000145  00000-0  14336-3 0  6771
2 13916  82.9443  88.2916 0040004  67.4775 293.0610 13.74013778348513
TDRS 1
1 13969U 83 26  B 90 61.95914084 -.00000206  00000-0  00000 0 0  9339
2 13969   4.2136  66.7158 0009218 271.1980  88.9221  1.00264241 92019
GOES 6
1 14050U 83 41  A 90 67.13751504  .00000117  00000-0  00000 0 0   926
2 14050   1.9800  79.4165 0004278 235.8146 125.1443  1.00252822  9250
OSCAR 10
1 14129U 83 58  B 90 67.77193390 -.00000019  00000-0  00000 0 0  4571
2 14129  25.9797 215.0637 5993697 124.8676 307.1795  2.05888417 22665
GPS-0008
1 14189U 83 72  A 90 66.63205714  .00000007  00000-0  99999-4 0  7121
2 14189  63.3087  91.0808 0142801 217.2621 141.8028  2.00559703 48721
LandSat 5
1 14780U 84 21  A 90 67.00665864 -.00000211  00000-0 -41974-4 0   673
2 14780  98.1324 128.6582 0003250 116.4163 243.7383 14.57147557319989
UoSat 2
1 14781U 84 21  B 90 67.70099511  .00002591  00000-0  49184-3 0  6241
2 14781  97.9635 123.5065 0012374 200.1464 159.9233 14.64991357321252
GPS-0009
1 15039U 84 59  A 90 72.67489918  .00000007  00000-0  00000 0 0  8393
2 15039  63.0429  89.9870 0017771 227.8378 132.0334  2.00558447 42125
Cosmos 1574
1 15055U 84 62  A 90 72.61850925  .00000145  00000-0  14424-3 0  8302
2 15055  82.9600 132.7675 0025876 228.3441 131.5500 13.73332685286952
GPS-0010
1 15271U 84 97  A 90 70.57505390 -.00000025  00000-0  00000 0 0  7618
2 15271  63.2618 328.9690 0105296 325.2840  34.0918  2.00573175 39195
Cosmos 1602
1 15331U 84105  A 90 72.54458584  .00002403  00000-0  33296-3 0  1843
2 15331  82.5341  89.5195 0021238 287.5040  72.3843 14.77471425293965
NOAA 9
1 15427U 84123  A 90 72.21501669  .00000101  00000-0  65307-4 0  4908
2 15427  99.1649  69.8321 0014184 278.6761  81.2764 14.12468932270437
Cosmos 1686
1 16095U 85 86  A 90 72.94362067  .00026301  00000-0  37367-3 0  5181
2 16095  51.5956  63.8008 0001009  53.4819 306.6557 15.56207927251081
GPS-0011
1 16129U 85 93  A 90 70.73898186  .00000008  00000-0  00000 0 0  4240
2 16129  63.8464  91.0812 0120343 150.4914 210.2515  2.00560304 32405
Mir
1 16609U 86 17  A 90 72.92229058  .00041826  00000-0  50968-3 0  4637
2 16609  51.6167  90.4177 0015497 270.3600  89.6051 15.59930128233226
SPOT 1
1 16613U 86 19  A 90 72.24631007  .00000494  00000-0  24962-3 0  7948
2 16613  98.7084 148.0630 0001776 105.5008 254.6348 14.20054268 50310
Cosmos 1766
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1 16881U          90 72.44050329  .00002510  00000-0  35156-3 0  8843
2 16881  82.5273 148.7772 0021484 306.3306  53.5881 14.77067009195016
EGP
1 16908U 86 61  A 90 53.55039819 -.00000025  00000-0  95708-4 0  1704
2 16908  50.0105 248.4193 0010798 262.7166  97.2451 12.44384952160583
NOAA 10
1 16969U 86 73  A 90 66.29076646  .00000433  00000-0  20698-3 0  3482
2 16969  98.6093  96.4779 0013387 202.5149 157.5442 14.23484507180112
MOS-1
1 17527U 87 18  A 90 73.02843321 -.00000021  00000-0 -28587-5 0  4320
2 17527  99.1166 146.7740 0000757  80.1041 280.0217 13.94869280155997
GOES 7
1 17561U 87 22  A 90 71.82628115 -.00000043  00000-0  99999-4 0  4340
2 17561   0.0519 155.7106 0005742 219.1509 345.1291  1.00271641  4457
Kvant-1
1 17845U 87 30  A 90 72.92225782  .00055033  00000-0  66808-3 0   211
2 17845  51.6141  90.4182 0015225 272.0543  87.6893 15.59912871169271
DMSP B5D2-3
1 18123U 87 53  A 90 71.32338122  .00000600  00000-0  33591-3 0  5018
2 18123  98.8206 263.2145 0014045 301.1363  58.8431 14.13903911140718
RS-10/11
1 18129U 87 54  A 90 73.00288190  .00000148  00000-0  15199-3 0   657
2 18129  82.9262  38.8410 0012708  29.5957 330.5894 13.72066857136390
Meteor 2-17
1 18820U 88  5  A 90 72.93418187  .00000128  00000-0  10573-3 0  2060
2 18820  82.5401  66.1794 0015120 231.6462 128.3338 13.84299522107008
DMSP B5D2-4
1 18822U 88  6  A 90 71.34077944  .00000635  00000-0  30834-3 0  4167
2 18822  98.6618 312.3126 0006256 184.8194 175.2924 14.21306164109067
AO-13
1 19216U 88 51  B 90 65.26873556 -.00000096  00000-0  99999-4 0   797
2 19216  57.0490 165.7955 6906185 222.4549  56.2548  2.09701434 13247
OKEAN 1
1 19274U 88 56  A 90 73.00145741  .00001253  00000-0  17594-3 0  6741
2 19274  82.5127 246.8633 0023605  74.3435 286.0429 14.76474269 90879
NOAA 11
1 19531U 88 89  A 90 66.73355969  .00000406  00000-0  24457-3 0  2066
2 19531  98.9711  14.9948 0011086 206.2891 153.7723 14.11476742 74652
TDRS 2
1 19548U 88 91  B 90 64.02357395  .00000131  00000-0  99999-4 0   788
2 19548   0.0442 320.5204 0002112   9.9341  29.5234  1.00275488  4405
Cosmos 2001
1 19796U 89 11  A 90 71.99040466 -.00001087  00000-0  99999-4 0  3873
2 19796  63.0599 105.2000 7133950 319.8292   5.0644  2.00549726  7872
GPS BII-01
1 19802U 89 13  A 90 66.75585580  .00000016  00000-0  99999-4 0   723
2 19802  55.0710 201.4099 0059530 158.9588 201.2474  2.00561853  7716
Akebono
1 19822U 89 16  A 90 72.07856659  .00014790  00000-0  10022-2 0  4735
2 19822  75.1234 285.5270 4203606 282.7773  34.6296  7.06245682 26628
Meteor 2-18
1 19851U 89 18  A 90 72.66398642  .00000189  00000-0  16080-3 0  1574
2 19851  82.5266 304.5837 0012855 275.4726  84.4976 13.83946757 52355
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TDRS 3
1 19883U 89 21  B 90 69.64675765 -.00000235  00000-0  99999-4 0   563
2 19883   0.0232 314.5889 0004005 351.6205  53.7193  1.00270360  2905
GPS BII-02
1 20061U 89 44  A 90 66.44052675 -.00000032  00000-0  00000 0 0   523
2 20061  54.7257  19.9569 0081882 172.9986 187.1067  2.00562492  5453
Nadezhda
1 20103U 89 50  A 90 72.23750835  .00000184  00000-0  18534-3 0   841
2 20103  82.9612 355.7260 0037272 308.3288  51.4517 13.73570119 34543
GPS BII-03
1 20185U 89 64  A 90 65.41293992  .00000016  00000-0  99999-4 0   472
2 20185  54.9439 202.3381 0027092 141.2282 218.9103  2.00563453  4007
Activnyi
1 20261U 89 80  A 90 72.85653503  .00001893  00000-0  59666-3 0  3359
2 20261  82.5941 289.0747 1259514 193.8007 162.5444 12.43324817 20748
Activnyi RB
1 20262U 89 80  C 90 72.06279998  .00000761  00000-0  23760-3 0  1442
2 20262  82.5918 289.5898 1260701 195.6460 160.1990 12.43006258 20643
Magion 2
1 20281U 89 80  B 90 72.92290942  .00001224  00000-0  38165-3 0  3509
2 20281  82.5931 288.9928 1259607 193.5916 162.8116 12.43492859 20759
GPS BII-04
1 20302U 89 85  A 90 72.12397375 -.00000029  00000-0  99999-4 0   422
2 20302  54.7090 320.9835 0038329 315.9194  43.8289  2.00570896  2824
Meteor 3-3
1 20305U 89 86  A 90 72.64079261 -.00000014  00000-0 -49377-4 0   626
2 20305  82.5523 285.3968 0014947 206.0703 153.9675 13.15851517 18384
INTELSAT-6A
1 20315U 89 87  A 90 62.65793662 -.00000226  00000-0  99999-4 0   311
2 20315   0.0414   3.5726 0013733 254.5985 101.6503  1.00262829  1232
COBE
1 20322U 89 89  A 90 70.56445100  .00004464  00000-0  29770-2 0   574
2 20322  99.0214  81.8370 0006712 280.8682  79.1728 14.01462626 15814
Kvant-2
1 20335U 89 93  A 90 72.92228376  .00031103  00000-0  38153-3 0  1385
2 20335  51.6122  90.4248 0014588 273.8927  86.0042 15.59918899 16879
GPS BII-05
1 20361U 89 97  A 90 67.43005802  .00000016  00000-0  99999-4 0   187
2 20361  54.9514 144.3204 0064909  42.9382 317.6285  2.00576858  1707
Cosmos 2056
1 20432U          90 48.61316750 0.00000331           13772-3 0   216
2 20432  74.0360 264.2249 0024233 282.9758  76.8658 14.29717088  4288
1990 004B
1 20433U          90 51.16735862 0.00000442           17528-3 0   238
2 20433  74.0347 259.4384 0036366 290.2242  69.5000 14.31252170  4661
SPOT 2
1 20436U 90  5  A 90 69.88585449  .00000337  00000-0  17635-3 0   601
2 20436  98.7126 145.7333 0001307 118.6065 241.2811 14.20015779  6791
UO-14
1 20437U 90  5  B 90 70.19096833  .00000672  00000-0  28411-3 0   293
2 20437  98.7025 146.5666 0012179  79.9241 280.3339 14.28511338  6870
UO-15
1 20438U 90  5  C 90 71.24920963  .00000262  00000-0  12095-3 0   275
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2 20438  98.7054 147.6188 0011238  76.7229 283.5213 14.28288785  7021
PACSAT
1 20439U 90  5  D 90 73.05948210  .00000561  00000-0  23924-3 0   288
2 20439  98.7141 149.4667 0012487  71.1801 289.0691 14.28612576  7281
DO-17
1 20440U 90  5  E 90 72.07779861  .00000648  00000-0  27371-3 0   191
2 20440  98.7151 148.4905 0012797  74.6309 285.6275 14.28647713  7149
WO-18
1 20441U 90  5  F 90 71.23347448  .00000610  00000-0  25817-3 0   171
2 20441  98.7112 147.6514 0013204  77.6317 282.6332 14.28757045  7028
LO-19
1 20442U 90  5  G 90 72.70171735  .00000324  00000-0  14436-3 0   266
2 20442  98.7076 149.1226 0013514  74.3482 285.9076 14.28824127  7236
Ariane RB
1 20443U          90 47.11760523 0.00000341           14765-3 0   239
2 20443  98.6136 123.3651 0012081 122.4540 237.7812 14.30158961  3572
1990 006A
1 20444U          90 53.94247100 0.00000268           25109-3 0   354
2 20444  62.8140 110.5001 7374630 288.1794   9.4138  2.00664213   632
1990 006C
1 20446U          90 47.39633712 0.00000368           74758-3 0   283
2 20446  62.8305 111.3944 7323218 288.1118   9.7051  2.06386089   509
1990 005C
1 20450U          90 49.67030172 0.00181920 -19189-5  16565-2 0   439
2 20450  37.6783 240.9912 6005396 220.7886  73.8632  4.14286423  1022
GPS BII-06
1 20452U 90  8  A 90 62.65854411 -.00000001  00000-0  99999-4 0   229
2 20452  54.6380 260.3053 0035259  57.4095 302.9406  2.00567623   728
1990 008B
1 20453U          90 50.59057152 0.00005710           69074-3 0   264
2 20453  35.6431 123.9630 0591705 329.0175  27.6846 14.04532218  3619
Cosmos 2057
1 20457U          90 60.41396968 0.00615956  39350-4  26857-3 0   942
2 20457  62.8210 195.0039 0138628 118.4735 243.0622 16.03448844  5582
Cosmos 2058
1 20465U          90 52.05250576 0.00002655           40114-3 0   264
2 20465  82.5082 306.3255 0022850 201.4816 158.5500 14.73794878  3181
1990 010B
1 20466U          90 57.13960967 0.00001501           22415-3 0   174
2 20466  82.5064 301.6148 0022858 187.2711 172.8185 14.74059308  3927
PRC-26
1 20473U 90 11  A 90 71.25642786 -.00000262  00000-0  99999-4 0   366
2 20473   0.0912 295.7660 0000216  40.4684  23.7389  1.00268398   368
1990 011B
1 20474U 90 11  B 90 70.45931368  .00008564  00000-0  28596-2 0   191
2 20474  30.5413 293.8454 7260425 199.4213 103.2645  2.30231055   760
1990 012A
1 20476U 90 12  A 90 71.70450279  .00268139  16276-4  75305-3 0  1026
2 20476  65.8265 286.7895 1285784 133.0880 238.5288 13.26692660  4478
1990 012B
1 20477U 90 12  B 90 71.81006393  .00478087  17407-4  86754-3 0  1182
2 20477  65.8383 285.2297 1215139 132.0593 239.0520 13.46529432  4526
MOS-1B
```

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1 20478U 90 13  A 90 72.90995807  .00000437  00000-0  35089-3 0   790
2 20478  99.1971 143.4985 0000645  74.0965 286.0284 13.94850762  4851
1990 013B
1 20479U 90 13  B 90 66.25543317 -.00000045  00000-0 -73232-4 0   191
2 20479  99.0518 131.9584 0540229 279.3893  74.6534 12.83148607  3675
FO-20
1 20480U 90 13  C 90 66.17820252  .00000052  00000-0  16645-3 0   178
2 20480  99.0526 131.8923 0540615 279.6136  74.4312 12.83116845  3664
1990 013D
1 20491U 90 13  D 90 69.21220998 -.00000290  00000-0 -52182-3 0   160
2 20491  99.0584 135.2415 0470129 263.1331  91.6103 13.02720413  3518
Soyuz TM-9
1 20494U 90 14  A 90 72.92228623  .00029875  00000-0  36682-3 0   445
2 20494  51.6161  90.4260 0014337 273.8648  86.0481 15.59920495  4794
1990 015A
1 20496U 90 15  A 90 71.62123170  .00006452  00000-0  41277-3 0   335
2 20496  43.1145 132.7081 0011743 125.3559 234.8389 15.09112125  3927
1990 015B
1 20497U 90 15  B 90 70.88678115  .00011786  00000-0  36440-3 0   339
2 20497  43.1059 132.1649 0010531  67.2343 292.9618 15.33442415  3885
1990 015C
1 20498U 90 15  C 90 72.08764637  .00033495  00000-0  79706-3 0   365
2 20498  41.6374 121.4698 0040933 320.1533  39.6311 15.40079056  4089
Raduga 25
1 20499U 90 16  A 90 71.09395518 -.00000001  00000-0  99999-4 0   326
2 20499   1.4276 273.5220 0004805 106.6943 252.3363  1.00262693   253
1990 016D
1 20502U 90 16  D 90 65.10279796  .00000045  00000-0  99999-4 0    85
2 20502   1.4651 273.4213 0037357  63.1907 295.9207  1.00010387   218
1990 017A
1 20508U 90 17  A 90 66.22022375 -.00000008  00000-0 -15133-4 0    73
2 20508  82.9559 135.0949 0043053 269.7431  89.8811 13.73186398  1019
1990 017B
1 20509U 90 17  B 90 71.74498560 -.00013411  00000-0 -14193-1 0   131
2 20509  82.9565 131.0035 0037532 234.9671 124.7968 13.74427638  1775
1990 018A
1 20510U          90 73.29622142 0.00001938           29984-3 0   205
2 20510  82.5305 185.0672 0019266 218.3896 141.5957 14.72697103  2108
1990 018B
1 20511U 90 18  B 90 70.37228371  .00001350  00000-0  20657-3 0   102
2 20511  82.5288 187.7497 0018722 231.0643 128.8895 14.72974377  1672
Progress M3
1 20513U 90 20  A 90 71.89724065  .00054911  00000-0  66808-3 0   228
2 20513  51.6218  95.5812 0014786 264.4933  95.3885 15.59864480  1877
1990 020B
1 20514U 90 20  B 90 61.18142825  .25407542  60571-4  45544-3 0    88
2 20514  51.6137 149.3249 0007235 101.0427 259.2289 16.47208829   207
```

--

```
Dr TS Kelso                          Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil         Air Force Institute of Technology
```

From -5970787381063063075

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6148f280416ef42,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,c6148f280416ef42,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-03-19 06:18:13 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!att!tsdiag!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: UoSAT-OSCAR-14 & UoSAT-OSCAR-15 Status Report 15-Mar-90
Keywords: Tests continuing at UoSAT mission control
Message-ID: <226@ka2qhd.UUCP>
Date: 18 Mar 90 20:13:40 GMT
Organization: KA2QHD Public Access Un*x,Ocean NJ
Lines: 63
Xref: gmdzi rec.ham-radio:10280 sci.space:10710
Posted: Sun Mar 18 21:13:40 1990

UOSAT-OSCAR-14 and UOSAT-OSCAR-15 REPORT #007 15-Mar-90

** UoSAT-OSCAR-14 **

Attitude Control and Stabilization

Manueuvers prior to gravity gradient stabilization have taken somewhat longer than expected. The most recent delays were caused by the need to add digital filters to the attitude determination software to remove unwanted noise from the magnetometer readings. The filters have been installed, and a new version of the FORTH diary will be uploaded soon.

High Speed Downlink Tests

The UoSAT Command Station has been conducting limited experiments with the 9600 bits/second Frequency Shift Keyed (FSK) downlink on UO-14. These tests have been quite successful, doubling the highest digital link speed previously used on any OSCAR satellite (4800 bps is routinely used on UO-11).

Data transmitted during these tests has been either asynchronous telemetry from the Very Large Scale Integrated telemetry system or continuous streams of 1 bits (no data at all). The "stuck ones" tests are very useful because of the scramblers in the modulator and demodulator. The 1's are scrambled and transmitted as pseudorandom data over the RF link. The groundstation demodulators then lock onto this data, descramble it, and reproduce the continuous 1's. Any 0's in the demodulated output data stream are caused by bit errors on the communication link, and the link bit error rate (BER) can be calculated from the frequency of such transitions.

BER tests are to be scheduled into the DIARY in aid of those trying to test their FSK receive system. The first scheduled tests were scheduled for the morning passes over the East Coast of the US on 15 March.

- de G0/K8KA.

** UoSAT-OSCAR-15 **

The team at Stanford has succeeded in detecting local oscillator (LO) leakage from the UO-15 command receiver. The weak signals were first detected on March 10 and then again on March 11. Roy Long, leading the Stanford Research Institute team on the recovery attempt, said that there is no dbt that the signal comes from UoSAT-15. It is weaker than the corresponding signal on UoSAT-14, as expected from prelaunch measurements.

Each UoSAT carries three receivers: a fixed-frequency command receiver and two communications receivers with switchable frequency. Efforts will now concentrate on monitoring one of the switchable frequency receivers. If one of these receivers is heard, commands will then be sent to change the receiver frequency, which should cause a corresponding change in the LO frequency. Observation of changed LO frequency will confirm that the satellite's command system is basically healthy.

The work at Stanford is very time consuming, requiring azimuth and elevation control of the huge Stanford 150 diameter dish to within tight limits. Data are collected for only a few seconds, followed by hours of post-processing.

--
AMPR : KD2BD @ NN2Z (Neptune, NJ)
UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
"For every problem, there is one solution which is simple,
neat and wrong." -- H.L. Mencken

From -5829551379618496832
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,23069e3379e63845,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-13 15:33:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!mailrus!cornell!heights!mustard
From: mustard@heights.cit.cornell.edu
Newsgroups: rec.ham-radio
Subject: ICOM 2GAT
Summary: Modification for out of band
Keywords: Modification, police
Message-ID: <1990Mar13.233352.471@heights.cit.cornell.edu>
Date: 13 Mar 90 23:33:52 GMT
Sender: Will Middelaer
Organization: Cornell Information Technologies, Cornell Public Safety
Lines: 20
Posted: Wed Mar 14 00:33:52 1990

Does anyone have instructions on how to modify an Icom 2GAT so that it can transmit out of the ham bands. I work for my campus police department and have had several occasions where it would have been convenient to be able to contact them without the trouble of having to first find a 10-21(landline).

If anyone has sucessfully completed this Mod, I'd appreciate it if they could send me some instructions on how to do it.

The freq's I'd need are in the 155-157 MHz range.

NOTE:: I don't have my license yet, though I recently passed my tests through technician. If nothing else, this will give me something to do with my radio until I can use it on 144-148.

will middelaer

in%"mustard@heights.cit.cornell.edu"   INTERNET

V6DY@CRNLVAX5   Bitnet

thanks

From -5956993919007619257
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fa5793a31619ceef,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-13 15:35:57 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!uwm.edu!psuvax1!psuvm!mls129
From: MLS129@psuvm.psu.edu (Michael L. Sensor)
Newsgroups: rec.ham-radio
Subject: Current callsign list?
Message-ID: <90072.183557MLS129@psuvm.psu.edu>
Date: 13 Mar 90 23:35:57 GMT
Organization: Penn State University
Lines: 10
Posted: Wed Mar 14 00:35:57 1990

Does anyone have a current FCC callsign list that they could send me?
I know that QST publishes them but I'm not a League member and the lists they publish are *months* old anyway.

Thanx,
Mike Sensor KD3LR / AFA1UP <MLS129@PSUVM>

US Snail: Box 249 Maple Hall
          Penn State Altoona
          Altoona PA 16601-3760

From 2918352003397885124
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc83561d415f2d44,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-13 15:42:32 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!apple!sun-barr!newstop!sun!tenorman!jneher
From: jneher@tenorman.Sun.COM (Jonathan Neher X62863)

Newsgroups: rec.ham-radio
Subject: QSL Cards
Message-ID: <132888@sun.Eng.Sun.COM>
Date: 13 Mar 90 23:42:32 GMT
Sender: news@sun.Eng.Sun.COM
Lines: 12
Posted: Wed Mar 14 00:42:32 1990

Does anybody have a recommendation for a qsl card
maker? I just got my ticket and have already started
receiving some from others so I guess I need to get some
soon. I've seen some little adds in the magazines, but
I'm looking for personal recommendations.

Thanks,

Jon Neher
N6XUI

sun!jneher

From 2422382273519999526
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8116e8738488f14a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-13 17:41:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Forgiving the League for Incentive
Message-ID: <30500444@ux1.cso.uiuc.edu>
Date: 14 Mar 90 01:41:20 GMT
References: <25@<14302>
Lines: 18
Nf-ID: #R:<14302:25:ux1.cso.uiuc.edu:30500444:000:646
Nf-From: ux1.cso.uiuc.edu!phil   Mar 13 13:51:00 1990
Posted: Wed Mar 14 02:41:20 1990

```
> Granted, few countries have as many classes as we do, but the *concept*
> of greater privileges as a reward for passing more tests is clearly
                             ^^^^^^
> very popular.
```

I disagree with the concept of making privileges a reward. This makes it
something like a prize.

The exams SHOULD measure how capable we are of NOT abusing the privileges
that we want to have.

Prizes are offered for doing things that may in fact NOT be related to the nature of the prize. We should not be doing this in ham radio. VHF/UHF privileges are unrelated to Morse Code for most people.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From 4121696234159447999
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3b81fb8976f18d15,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10c349,3b81fb8976f18d15,start
X-Google-Attributes: gid10c349,public
X-Google-ArrivalTime: 1990-03-13 21:39:53 PST
Path: gmdzi!unido!mcsun!uunet!munnari.oz.au!cluster!nuts!numm!alan
From: alan@numm.nu.oz (Alan Hargreaves)
Newsgroups: aus.radio,rec.ham-radio
Subject: Newcastle "Brick Awards"
Keywords: Award, Newcastle, Earthquake, Appeal
Message-ID: <1990Mar14.053953.26428@numm.nu.oz>
Date: 14 Mar 90 05:39:53 GMT
Reply-To: alan@numm.nu.oz (Alan Hargreaves)
Organization: University Computing Services, University of Newcastle, Oz.
Lines: 56
Xref: gmdzi rec.ham-radio:10188
Posted: Wed Mar 14 06:39:53 1990

I have been given the following information to distribute:
(Any email enquiries, I guess, should come through me)

alan.

The Newcastle Brick Award

Newcastle Earthquake Appeal

Amateurs Helping Rebuild Newcastle

In conjuction with the Australian Broadcasting Corporation's Radiothon for the Newcastle Earthquake Appeal, members of Newcastle's Amateur Emergency team, called WICEN, will be broadcasting for 22 hours from 1400 UTC on Saturday March 17, until 1200 UTC on Sunday March 18, on the following bands as conditions permit.

3.610 MHz
7.090 MHz
10.130 MHz
14.280 MHz
21.190 MHz
21.280 MHz

28.510 MHz

There will be 3 awards for contacting the station.

Basic Brick	AUS$3
Big Brick	AUS$5
Super Brick	AUS$10

Help Newcastle amateurs dispose of bricks to help rebuild Newcastle. A magnificent award created in honor of this occasion. And, in honour of this occasion, a special callsign, VK2EQA, has been allocated for the period.

All mail including QSL cards and payment should be addressed to:

Newcastle WICEN
c/- ABC Radio
Newcastle 2300
Australia

Philip Greentree VK2IW
Secretary and Operations Officer

--
Alan Hargreaves (vk2mgl) SysCleric alan@numm.nu.oz Phone: (049) 685 597
University Computing Services, University of Newcastle, NSW 2308, Australia.
F u cn rd ths u cnt spl wrth a dm!

From 84367547748531265
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28b9de3f8605f9bc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-13 23:16:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!helios.ee.lbl.gov!nosc!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley__Wb6wui)
Newsgroups: rec.ham-radio
Subject: ACC's RC-50 repeater controller; Bugs, Mods, support, and/or info
Message-ID: <1829@crash.cts.com>
Date: 14 Mar 90 07:16:08 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 23
Posted: Wed Mar 14 08:16:08 1990

I am sysop on a 220 Mhz repeater in San Diego County. We have had the Advanced Computer Control's RC-850 repeater controller online since 1987. I'm looking for anyone with experience with the same controller. I have found numerous bugs with the firmware and would like to discuss mutual problems.

We started with firmware version 3.41 and upgraded to 3.42 as soon as it was released. The revision was nice in many respects but somewhat clunky in others. We are runnings the 850 with the voice option, no DVR, UF functions in latched, 3 remote bases, control receiver, home-brew autopatch at the site and 1 remote auto-patch using firmware support of REMOTE PHONE 1.
Overall, we have been very pleased with system even with some of it's short-commings. I have talked to ACC by phone a few times about the clunker bugs, but they were'nt to concerned by them and, I doubt, that they even logged them for fixes in later releases.

I would now be interested in a MS-DOS based controller with voice support.
Anybody want to comment on this aspect of computer-controlled Ham repeaters.

Thanks, 73's

...Mike

ps--this is a repost in case ya missed it or did'nt think it mattered the first time around. Thanks,   ...Mike

```
***************************************************************************
Mike Shirley, WB6WUI          INET: mikey@pnet01.cts.com
PO Box 460, Lakeside, CA      ARPA: crash!pnet01!mikey@nosc.mil
            92040-0460        UUCP: {hplabs!hp-sdd nosc}!crash!pnet01!mikey
***************************************************************************
```

From 6283255756131046544
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2619343ff77c5d5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-13 23:59:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Ham regs question.
Message-ID: <30500445@ux1.cso.uiuc.edu>
Date: 14 Mar 90 07:59:18 GMT
References: <405@forsight.Jpl.Nasa.Gov>
Lines: 74
Nf-ID: #R:forsight.Jpl.Nasa.Gov:405:ux1.cso.uiuc.edu:30500445:000:4038
Nf-From: ux1.cso.uiuc.edu!phil   Mar 13 14:11:00 1990
Posted: Wed Mar 14 08:59:18 1990

> >I would NOT put up a remotely controlled phone patch (not part of a repeater
> >and thus not under automatic control) with INPUT BELOW 220.5 Mhz (or on the
> >431-433 or 435-438 Mhz subbands). I am giving serious thought to putting one
> >up on something like 446.475 in and 146.475 out, which would be full duplex,
> >and in fact fitting the local band plan simplex channelling with an easy to
> >remember 300 Mhz split.

>
> I hate to sound like a legal eagle, but what you just described *is* a
> repeater, and really shouldn't be in the simplex part of the band. I guess
> low power, 1/4 mile range would be ok, but I think things would get
> out of hand quickly. (IE: in some areas, there would be one of these on
> each simplex "pair". saves the expense of getting a duplexer, also!)

I am sounding like a legal eagle, too, by sticking to my position and asking
you to show how it is that what I described is a repeater. I see nothing in
it to indicate it is a repeater. The received audio is not (significantly)
repeated in the transmission due to an isolation bridge in the actual phone
connection. Some will leak through, but it would be quite low.

> As I understand the intent of the bandplan, repeaters are intentionally excluded
> so there will always be freqs for mobile to mobile, etc. I also feel, personally
> that high site remote bases should not be parked on simplex freqs with xmit
> enabled for the same reason. Leaving rx enabled is fine.

As long as your argument is based on your believing that my idea is a repeater
then I can only consider it a moot argument.

There may be arguments for not putting a non-repeater autopatch on simplex
frequencies, but repeater frequencies are also NOT the place for it. Think
it through again and see what you come up with. Maybe we need to redo all
the bandplans to accomodate new things. That means reducing the number of
frequencies usable by repeaters, of course.

> With the cross band *remote base* (not repeater, as the ads say) capability of
> the newer radios, It is even more important. Otherwise, some rptr operator
> gets a call from an irate simplex user (or, worse freq. coordinator) wanting
> to know why his repeater is on a simplex freq. When the smoke clears, they
> figure out that some new kenwood/yaesu/icom owner is leaving his dual band
> parked in remote base mode. (Usually using his 2mtr handheld to hit a 440
> repeater from his house)

First of all, why is it that the simplex user or the coordinator didn't copy
the call sign of the guy operating the crossband repeater? If he did have it
identifying, then it should be copied and that tells you what is going on.
If he did NOT have it identifying, then it is illegal, period.

Some are simplex and some are duplex. The duplex ones can be easy set up to
cross a repeater pair from one band into a repeater pair on another. This
reduces the problem somewhat. It would be nice if these radios had separate
power level selection on each band.

It would be prudent to use CTCSS in these cases. In fact I intend to do so
for my crossband autopatch. I also believe ALL repeaters should be REQUIRED
to use CTCSS.

> This happens regularly in our area. Sometimes even worse scenarios occur,
> like when the new radio owner sets his radio for 2 rptrs, rather than
> 1 rptr & a simplex freq. Instant ping pong once one of the rptr's is kerchunked.

Are all these examples of people doing things wrong supposed to justify why people who would do things right should not? This same kind of reasoning can be used to eliminate ham radio altogether just because there are a bunch of lids on 20 meters.

> anyway, that's my $47 worth. neat idea though!

Well, I do plan to go through with it. If you can determine how it is not legal, I am interested in hearing it. If you can explain why it is a repeater even though it is not repeating anything, I'd like to hear that as well. Suggest a pair of frequencies for it (say, for your location).

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

```
From -1738755087022990328
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8a9cb94be7e1d303,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-14 05:38:00 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp!deimos!ux1.cso.uiuc.edu!uwm.edu!rpi!
zaphod.mps.ohio-state.edu!lavaca.uh.edu!uhnix1!texbell!merch!cpe!stevedak
From: stevedak@cpe.UUCP
Newsgroups: rec.ham-radio
Subject: Re: Forgiving the League for Incent
Message-ID: <37400009@cpe>
Date: 14 Mar 90 13:38:00 GMT
References: <25@<14302>
Lines: 6
Nf-ID: #R:<14302:25:cpe:37400009:000:159
Nf-From: cpe.UUCP!stevedak    Mar 14 07:38:00 1990
Posted: Wed Mar 14 14:38:00 1990
```

>The exams SHOULD measure how capable we are of NOT abusing the privileges
>that we want to have.

What sort of exam is able to do this?

Steve Dakin WQ5N

```
From 3068465548394818735
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c3d7512da1f6867c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-14 05:46:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!mailrus!wuarchive!texbell!bellcore!att!cbnewsh!wa2sff
From: wa2sff@cbnewsh.ATT.COM (joseph.e.wilkes)
Newsgroups: rec.ham-radio
Subject: Re: Dak radio
Message-ID: <8885@cbnewsh.ATT.COM>
```

Date: 14 Mar 90 13:46:54 GMT
References: <1779@crash.cts.com>
Organization: AT&T Bell Laboratories
Lines: 25
Posted: Wed Mar 14 14:46:54 1990

In article <1779@crash.cts.com>, mikey@pnet01.cts.com
(Mike Shirley__Wb6wui) writes:
>...
> I don't much like the cutsey catalog and I deplore the Shipping/handling
> charge which seems to have no rhyme or reason with respect to actual shipping
> charges incurred by DAK. I would just as soon see the listed price include
> the handling (a rather normal cost of mail order business) and the shipping
> charges could be imbedding the price also. Any premium shipping methods could
> be surcharged. Gosh, I feel a little better now.

The best that I can determine is the
shipping charges are designed
to ensure that money is made even if
the customer returns the product.
By something for $100 with $15 Shipping, etc.
Money back guarantee.
Return it; get back $100.
Company has $15 for its effort.
Others may argue that $15 doesn't cover costs but it sure helps.

Many money back companies work that way.
I use the shipping % of price as a filter of who not to order from.

Joe Wilkes
att!homxb!wa2sff

From -5112113894153983775
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0cb690782153abb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-14 07:23:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!UWPLATT.EDU!390624331
From: 390624331@UWPLATT.EDU (W K 9 M)
Newsgroups: rec.ham-radio
Subject: Re: INFO-HAMS Digest V90 #277
Message-ID: <C56ABAAC925FE008B7@uwplatt.edu>
Date: 14 Mar 90 15:23:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Wed Mar 14 16:23:00 1990

Well, this isn't really about digest V90 #277 but the computer gave me that subject.

What value capacitor would anyone recommend to be put accross my stereo's speaker terminals to stop humming caused by Xmting on 2m? I amagine that this would happen too (probably even worse) with HF. The RF gets into the stereo so bad that when transmitting at high power, it kicks in the stereo's protection circuits and turns off the speakers for a few seconds. Also what voltage? Stereo specs say max of 65W/ch.

Hmmm. (pun) Thanks!

'73, Randy WK9M

From -6030638749215836532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3b40e6e7d7cee24
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-14 07:31:10 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!brutus.cs.uiuc.edu!wuarchive!swbatl!ken
From: ken@swbatl.sbc.com (9081)
Newsgroups: rec.ham-radio
Subject: Re: Sweeping carrier in the HF bands
Message-ID: <1254@swbatl.sbc.com>
Date: 14 Mar 90 15:31:10 GMT
References: <3034@radio.oakhill.UUCP> <30500433@ux1.cso.uiuc.edu> <1196@lopez.UUCP>
Reply-To: ken@swbatl.UUCP (Ken Gianino 5-9081)
Organization: Southwestern Bell Tele. Co. - Advanced Technology Lab - St. Louis
Lines: 45
Posted: Wed Mar 14 16:31:10 1990

flash@lopez writes:

>There are other noises you will hear in ham bands and elsewhere that
>first appear to be random, but are actually military in origin (Spread
>spectrum, etc). There are digital "buzzes" which are used with radio
>navigation, and these can pop up anywhere, EVEN IN THE HAM BANDS. There
>is also a very strange sound that I call a "Pock-a-pock" which sounds
>sort of like someone hitting a microphone with a pencil, but upon
>careful listening the seemingly random patterns are repeated (I noticed
>this by accident while playing a recording while simultaneously
>receiving the signal again live, and found that the pattern was
>repeated) In addition to hearing these sounds regularly for YEARS on my
>nightly operating frequency of 3950khz, they also show up on MILITARY
>channels like 6761, and you can bet your binaries that if this was some
>sort of pirate activity, it would not have lasted long THERE. These
>sounds have been around for YEARS. The fact that they are seemingly
>random leads operators to believe that they are local in origin, but in
>reality they are heard almost world wide.

I'm almost certain that the "pock-a-pock" noises you refer to are from frequency hopping HF radios. I have also heard them for the last few years -and with ever increasing frequency (Ha ha -no pun intended). At the IEEE Milcom '88 Conference Hughes Radio had a demo booth with some frequency hopping PRC-104A HF packsets. When you listened in on a third non-hopping mode radio you heard only that familiar "pock" sound.

I would assume that the hopping can be spread over any portion of the 2-30 MHz range of the radio if it can switch fast enough. (Pin diodes in the antenna tuner and half-octave filters?) Propagation between stations would probably dictate a smaller chunk of spectrum -possibly explaining the large number of "pocks" you can hear on a single frequency.

If you (like myself not too long ago) think the Big 3 ham manufacturers are the last word in HF technology then you should get a recent copy of "Jane's Military Communications". There has been a big resurgence in the popularity of HF for point to point communications in the past 10 years.(Even with satellites.) Every country with a decent section in Jane's has hopping HF systems in service. Check your public library for Jane's.

```
--
   /   Ken Gianino                     \  uunet!swbatl!ken          \
  / /   Southwestern Bell Telephone     \  Phone: (314) 235-9081     \
 / / /   Advanced Technology Laboratory  \  Fax:  (314) 235-5797      \
/ / / /\  1010 Pine, St. Louis, MO 63101  \  **       WB0QNA        ** \
```

From 2368155881201542152
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc83561d415f2d44
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-14 08:18:46 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!wuarchive!decwrl!ames!zodiac!sparkyfs!aai2.itstd.sri.com!jeffr
From: jeffr@aai2.itstd.sri.com (Jeff Rininger)
Newsgroups: rec.ham-radio
Subject: Re: QSL Cards
Message-ID: <30365@sparkyfs.istc.sri.com>
Date: 14 Mar 90 16:18:46 GMT
References: <132888@sun.Eng.Sun.COM>
Sender: news@sparkyfs.istc.sri.com
Reply-To: jeffr@aai2.itstd.sri.com.UUCP (Jeff Rininger)
Organization: SRI International, Menlo Park CA
Lines: 18
Posted: Wed Mar 14 17:18:46 1990

>Does anybody have a recommendation for a qsl card
>maker?
>[. . .]

Well Jon, I made my own cards, and am quite pleased with the results. I used a formatter (troff) to make a custom "back," as I work only QRP CW, so didn't need the standard "CW/SSB" or "Power" choices. I took a bunch of B/W pictures of me "out in the wild" with my QRP rig, and then went to a local printer for advice and to get the cards printed. Cost for 1000+ cards, foto on one side, with call and QRP ARCI logo in red, came to just over $100. The card almost always gets comments, even if it is "You sure are ugly" :-)

73,
jeff, N6MNI

{rutgers, ames, mordor, sri-unix, zodiac, csi}!joyce!jeffr

From -1677382087454584699
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcd469bd7db3b5a3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-14 09:06:40 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cornell!uw-beaver!ubc-cs!alberta!dvinci!weyr!katz
From: katz@weyr.FIDONET.ORG (sylvan katz)
Newsgroups: rec.ham-radio
Subject: re: Design Project Ideas Wanted
Message-ID: <589.25FE8790@weyr.FIDONET.ORG>
Date: 14 Mar 90 17:06:40 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 8
Posted: Wed Mar 14 18:06:40 1990

Have you looked at the Digitrex Mini-MPX QRP rig (80-10 + warc/10 watts) ... kit 180.00 - see ad in CQ mag.

```
--
Sylvan Katz              Ham: VE5ZX
203 Ball Crescent        UUCP: alberta!dvinci!weyr!katz
Saskatoon, Sask          Internet: katz@weyr.FIDONET.ORG
Canada S7K 6E1           Ham bands: below 14.025/21.025/28.025 @ 0100-0300Z
(306) 934-3168
```

From -7248848950197594558
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ca0d814e511fe05a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-14 09:11:28 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!mailrus!cornell!uw-beaver!ubc-cs!alberta!dvinci!weyr!katz
From: katz@weyr.FIDONET.ORG (sylvan katz)
Newsgroups: rec.ham-radio
Subject: DX CONTESTS
Message-ID: <590.25FE8794@weyr.FIDONET.ORG>
Date: 14 Mar 90 17:11:28 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 12
Posted: Wed Mar 14 18:11:28 1990

I have been giving some thought to how an international dx contest can be designed so that anyone/anywhere has a chance to win with no regard to how much money you have or the type of QTH you have. The secret is in the rules (eg multiplier maybe a funtion of ERP ... perhaps a log function). In addition there would have to be some kind of multiplier that accounts for local propagation conditions (eg. if you live close to the artic circle you are subject to more severe propagation distubances than if you are near the equator). Perhaps beacons could be usedand a multiplier derived that is applied at the point of submission of contest logs.
I know that this is not a trivial design problem. I sure would like some feedback and ideas!

CU in the WPX TEST - 73's Syl

--
Sylvan Katz Ham: VE5ZX
203 Ball Crescent UUCP: alberta!dvinci!weyr!katz
Saskatoon, Sask Internet: katz@weyr.FIDONET.ORG
Canada S7K 6E1 Ham bands: below 14.025/21.025/28.025 @ 0100-0300Z
(306) 934-3168

```
From 5137956804746624400
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,34739191eee7dad3
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,34739191eee7dad3
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-03-14 11:00:08 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pt.cs.cmu.edu!rochester!
kodak!ornitz
From: ornitz@kodak.UUCP (Barry Ornitz)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Part 15 on 21 mtrs
Summary: ISM Frequencies
Keywords: New Allocation
Message-ID: <2393@kodak.UUCP>
Date: 14 Mar 90 19:00:08 GMT
References: <545@ssc.UUCP>
Reply-To: ornitz@kodak.UUCP (Barry Ornitz)
Followup-To: rec.radio.shortwave
Organization: Eastman Kodak Co, Rochester, NY
Lines: 33
Xref: gmdzi rec.radio.shortwave:693 rec.ham-radio:10189
Posted: Wed Mar 14 20:00:08 1990
```

In article <545@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
>Did anyone notice the new allocation for low power transmitters
>under Part 15 at 13.553 to 13.567 MHz? It is mentioned on page
>7 of the March issue of Monitoring Times.

The frequency of 13.560 MHz +/- 7 KHz is already assigned by the FCC as an Industrial, Scientific and Medical Frequency. Things like diathermy machines, plasma generators, and dielectric heaters operate on these frequencies. Some other ISM frequencies are:

```
     6.78 MHz       +/- 15 KHz
    27.12 MHz       +/- 163 KHz
    40.68 MHz       +/- 20 KHz
      915 MHz       +/- 13 MHz
     2450 MHz       +/- 50 MHz  (Home microwave ovens)
     5800 MHz       +/- 75 MHz
    24125 MHz       +/- 125 MHz
    61.25 GHz       +/- 250 MHz
   122.50 GHz       +/- 500 MHz
   245.00 GHz       +/- 1 GHz
```

Most ISM equipment operates at high power (I have two 20 KW units here that will be surplus soon) with unfiltered power supplies. A few low-power signals here probably wouldn't be noticed. Count on the low power stuff to have to accept the interference.

Barry WA4VZQ

```
 -----------------
|  ___  ________  |       Dr. Barry L. Ornitz          WA4VZQ
| |  / /        | |  UUCP:  ....rutgers!rochester!kodak!ornitz
| | / /         | |       Eastman Kodak Company
| |< < K O D A K| |       Eastman Chemical Company Research Laboratories
| | \ \         | |       P. O. Box 1972, Building 167B
| |__\ \________| |       Kingsport, TN  37662       615/229-4904
|                 |  INTERNET:   ornitz@kodak.kodak.com
 -----------------
```

From 6487588687749548413
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ece640e37948c554
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-14 11:13:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!hplabs!hpfcso!hpfcdj!myers
From: myers@hpfcdj.HP.COM (Bob Myers)
Newsgroups: rec.ham-radio
Subject: Re: computer rfi
Message-ID: <18230014@hpfcdj.HP.COM>
Date: 14 Mar 90 19:13:20 GMT
References: <100522@convex.convex.com>
Organization: Hewlett Packard -- Fort Collins, CO
Lines: 56
Posted: Wed Mar 14 20:13:20 1990

>Robert,
>I would return the computer to the place of purchase ASAP. A class 'A'
>computing device is 10dB louder than a class 'B' device.

Not necessarily - a computing device which says that it is "class A" simply means that it (more precisely, samples of this model) has been tested and certified to pass the FCC requirements for a class A device. It may actually be significantly quieter than another device labelled "class B" but was for various reasons not tested to that standard. (Class A is, in general, a looser requirement than class B, but there are other considerations taken into account by manufacturers when they choose which class to certify to.)

Even Class B devices may cause annoying interference, if they happen to generate RFI at a particular frequency of interest to you - as may be the case here. Also, not all interference comes over the power lines, so it's not too suprising that adding a line filter didn't help. (Actually, given that it's relatively simple to keep VHF frequencies off the power cord, I would've been surprised if conducted interference had been the culprit here.) You are more likely seeing interference radiated from the system. Some possible means of reducing interference in any event:

1. Make sure the computer is on a different power line than the unit being interfered with (primarily useful in the case of conducted interference).

2. Make sure that the computer's case is assembled correctly, that all screws are in place, and that the proper cables and connectors are being used. (One very common source of interference is from the system cables, esp. when the connectors being used do not provide the proper ground/return path.)

3. If you suspect that any of the peripheral devices are causing a problem, disconnect their interface cables one at a time to isolate the problem. If you can isolate the faulty unit or cable, half the battle's over.

4. If you have opened the computer's case to install optional cards, etc., make sure that such cards are properly installed and that all grounding screws, etc., are in place. (And then, see item #2!)

5. The monitor is a likely suspect in computer interference problems; check to see if your problem comes from the video by disconnecting/re-connecting the video cables, and turning the brightness up and down, while noting the effect on the interference.

6. Finally, noise can escape to the outside world through slots and other openings in the computer's case. Ideally, all digital electronics would be sealed up inside of completely closed metal boxes, but the need for cooling and connectors makes this difficult. However, if you can do so without comprising the unit's cooling or electrical safety, closing up opening with something conductive - copper tape is the most common solution - can be helpful. Slots between interface cards is one common area of leakage. NOTE: DO NOT do ANYTHING to your machine unless you're CERTAIN that you can do it without compromising cooling or safety. Also, be careful of damaging your *warranty* through any such mods.

```
Bob Myers  KC0EW   HP Graphics Tech. Div.|  Opinions expressed here are not
                   Ft. Collins, Colorado |  those of my employer or any other
myers%hpfcla@hplabs.hp.com               |  sentient life-form on this planet.
```

From 1931196497921370876
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,70600e0bd77f6252
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-14 11:28:24 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!iuvax!ndcheg!ndmath!nstar!brianm
From: brianm@nstar.UUCP (Brian Murrey)
Newsgroups: rec.ham-radio
Subject: Re: Keyer Board for IBM PC
Message-ID: <2XF2F1w160w@nstar.UUCP>
Date: 14 Mar 90 19:28:24 GMT
References: <11688@cadnetix.COM>
Sender: bbs@nstar.UUCP
Organization: Northern Star Communications, Notre Dame, IN USA
Lines: 23
Posted: Wed Mar 14 20:28:24 1990

> Send me a FORMATTED MS-DOS disk (3 1/2" 1.44 or 720k, or 5 1/4" 360k or
> 1.2 meg), or even a DC300 or 600 cartridge (urg! :-)), with return
> postage, a note saying that you want the code programs I mentioned
> here, and a self-addressed return label, and I'll put CW311 on it,
> along with the 2 or 3 other morse programs I've got (SuperMorse and
> Morse, I think... there may be another one, too). If you send me a
> 360k disk, and you are more interested in the learning programs than
> in the sending program, tell me so, since I'm not sure they will all
> fit on a 360k disk. Also, tell me if you need the PKZIP unarchiver,
> since thats the format they come in....
>

SuperMorse is the evolutionary product of CW111 and CW102. Lee Murrah wrote both of the programs and they are excellent for code practice on the PC. The latest version of supermorse (SM309.*) will also allow you to connect to another person via modem and practice CW with each other.

All in all a VERY good package. I have it available on my BBS at 317 882 9330, just login as Ham Radio with a password of yagi. This will allow people to download on their first call to the system.

Brian Murrey - KB9BVN

From -6859360431185857749
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64d82e7158db154e,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-03-14 12:58:56 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!OUTLAW.UWYO.EDU!jimkirk
From: jimkirk@OUTLAW.UWYO.EDU (James Kirkpatrick)
Newsgroups: rec.ham-radio
Subject: PRO-2004 wierdness
Message-ID: <900314135856.20201ebe@UWYO.BITNET>
Date: 14 Mar 90 20:58:56 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Wed Mar 14 21:58:56 1990

I just had a very strange thing happen with my PRO-2004 scanner, and was wondering if anybody has an explanation. I was attempting to re-program several frequencies, but in certain ranges it would add 3.2768 mHz to the frequency I keyed in! For example, I would key in 160.0 but as soon as I press ENTER it would change to 163.2768 (the last digit was smaller than the rest). Likewise 154.31 would change to 157.5868. After fiddling with it for a while to determine the range(s) effected, I noticed they would "narrow" after repeated attempts, and after about 30 minutes of fiddling, the scanner finally accepted the frequencies as I input them. I tried power off/on and reset to no (immediate) avail. It acted as though it forgot how to be programmed after many idle months!

Has anybody else had similar experiences? Any thoughts? What's magic about 3.2768 mHz?

Jim Kirkpatrick WB7BUP   JIMKIRK@UWYO or JIMKIRK@CORRAL.UWYO.EDU

From -3439820429724763416
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8116e8738488f14a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-14 15:42:22 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com (DUBE TODD)
Newsgroups: rec.ham-radio
Subject: Re: Forgiving the League for Incentive
Message-ID: <9003142347.AA20291@ti.com>
Date: 14 Mar 90 23:42:22 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Thu Mar 15 00:42:22 1990

Phil Howard says
> I disagree with the concept of making privileges a reward. This makes
> it something like a prize.

My Webster's defines privilege as "a right or benefit granted as a peculiar

advantage or favor". Phil may not agree with the concept, but until the meaning of the word changes, I guess we'll all have to live with it, or quit calling our amateur activities privileges and call them something else.
In my opinion, I think "privileges", as defined by the dictionary, fits the situation perfectly.

73,
Dube Todd   N5PDK

From -6234074571931159805
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f70628fdf8784a9c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-14 17:45:00 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Wait a minute...
Message-ID: <30500449@ux1.cso.uiuc.edu>
Date: 15 Mar 90 01:45:00 GMT
Lines: 39
Nf-ID: #R:<9003140803.AA17127@ucbvax.Berke:-40:ux1.cso.uiuc.edu:30500449:000:1813
Nf-From: ux1.cso.uiuc.edu!phil   Mar 14 18:16:00 1990
Posted: Thu Mar 15 02:45:00 1990

> Yet, the following statement has appeared a couple times, and no one
> has complained about it or refuted it:
>
> : In order to not get foreign hams mad at us, we probably do need to keep some
> : band segments relatively clear of the intense density of US hams.
>   ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
> You can't have it both ways, folks.
>
> Either there are too few hams, which means that we cannot have an "intense
> density of US hams", or we already have too many, in which case you want
> *more* arbitrary filters to reduce the candidates and fewer applicants.

You sounds like one of those "HF bigot OF's". I hope this isn't true.

The assumption you made is an assumption a lot of hams are making which is what is making this whole process so difficult. Lots of hams are so wrapped up in HF hamming that they forget that there are bands above 10 meters and they don't realize this it is THESE bands that are the issue in the "no-code" matter.

NO, we do NOT want more hams on the HF bands. The HF bands are TOO CROWDED as it is. We do not face significant threat of loss of HF bands due to lack of use. 40 meters appears to be facing some threat from broadcasters, but that is a different issue.

What we DO WANT is more hams on VHF and UHF and SHF bands, most particularly on UHF and SHF. These bands are the threatened ones.

Whether I.L. has failed or succeeded is UNIMPORTANT. It merely stands in the way when combined with FCC computer limits, of implementing a workable licensing structure for making access to VHF/UHF/SHF based on the actually needed competency.

If you can reduce the number of classes with HF privileges to FOUR, then the problem can be dealt with. Try it and see what you come up with.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From 5109724787419765800
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8116e8738488f14a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-14 17:57:41 PST
Path: gmdzi!unido!mcsun!uunet!deimos!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Forgiving the League for Incentive
Message-ID: <30500446@ux1.cso.uiuc.edu>
Date: 15 Mar 90 01:57:41 GMT
References: <25@<14302>
Lines: 62
Nf-ID: #R:<14302:25:ux1.cso.uiuc.edu:30500446:000:3341
Nf-From: ux1.cso.uiuc.edu!phil   Mar 14 17:34:00 1990
Posted: Thu Mar 15 02:57:41 1990

> >The exams SHOULD measure how capable we are of NOT abusing the privileges
> >that we want to have.
>
> What sort of exam is able to do this?
>
> Steve Dakin WQ5N

MY IDEA of a ham exam is not too far from what we have now, except in its level of comprehensiveness.

The REGULATIONS exam SHOULD be an "open book" exam, since what we really should be pushing is the ability to look up and understand the rules, not memorize them. The questions, and there need to be more of them, ask questions generally requiring the lookup of most of the rules. The VEC's are NOT to provide a copy of the rules, so if you don't own a copy yourself, then you memorize anyway, or fail that section. I recommend 40 to 80 questions for this section.

The THEORY should cover the electronics and radio knowledge necessary to understand what radio is, how radio waves are made, propogated, modulated, amplified, etc. There should be many questions on how various kinds of interference to other communcaitions, amateur and non-amateur, can occur. The lower theory exams should cover the basics of RFI prevention and cure. The upper theory exams should cover things more comprehensively, including these aspects of the design of radio transmitters. Any aspect of radio or electronic theory, which if not known would NOT result in interference to any service or result in a hazard to life or property, does not need to be in the exam. Safety for oneself and others must be in the exam, of course.

As you can see, it is not too much different than it is now. I would put more emphasis on things like RFI and Safety and not so much on propogation.

Amateur privileges should be granted to those who can prove they are capable of their proper use, and be retained by those who practice their proper use. Amateur privileges should NOT be a reward for any "song and dance" such as proving that one can copy Morse Code to get privileges unrelated to it.

We should generate the tests by computer. For each question on the exam, there should be a set of a few algorithms that can generate an applicable question. An algorithm would be chosen at random by the computer, and then the actual values for questions requiring computation, would be chosen at random from a large set of reasonable values. The same algorithm should also choose alternate false answers of different varieties. The pool of algorithms should be public, but would potentially result in millions of possible questions, certain of the computational ones. It is necessary to publish the algorithms for assurance of the correctness of the exam. No one could blindly memorize the answers because there are so many possibilities. Short term memorization of the actual facts and formulas is still possible, but that can be addressed by there being more questions on the exam and thus covering more things.

The passing grade should be 80% on BOTH the regulation AND theory exams parts.

Here is another idea. We could use ONE exam for two or more levels of classes and base the class on the level of passage. For instance a single exam would earn a lower level license if it was passed by 75% and earn a higher level license if it was passed by 90%. One should have to pass BOTH the regulation and theory exams by 90% to earn that level.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From -5116522731058853119
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9622c0aa553143d0
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,f4ea7a9cc0bf9edd,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-03-14 18:46:14 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!think!mintaka!bloom-beacon!jdb
From: jdb@athena.mit.edu (James D Bruce)
Newsgroups: rec.ham-radio,sci.electronics

Subject: Regency RH256 Radio
Summary: programming for this radio?
Message-ID: <1990Mar15.024614.11602@athena.mit.edu>
Date: 15 Mar 90 02:46:14 GMT
Sender: news@athena.mit.edu (News system)
Reply-To: dmb@delphi.mit.edu
Organization: Massachvsetts Institvte of Technology
Lines: 7
Xref: gmdzi rec.ham-radio:10200 sci.electronics:5678
Posted: Thu Mar 15 03:46:14 1990

I have recently aquired a Regency RH256 Radio. It is a sixteen channel
programable VHF radio. No instructions came with the radio, but it is
my understanding that it can be programmed in the ham band as well as the
land mobile radio band. (and is FCC type accepted).

Does anyone know how to program this radio? Any help would be appreciated.
Thanks...

From -2997687808475407265
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,26098954e508f283,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-14 19:37:42 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!pt.cs.cmu.edu!vi.ri.cmu.edu!rwb
From: rwb@vi.ri.cmu.edu (Bob Berger)
Newsgroups: rec.ham-radio
Subject: Public domain satellite tracker
Keywords: N3EMO orbit 3.7
Message-ID: <8430@pt.cs.cmu.edu>
Date: 15 Mar 90 03:37:42 GMT
Organization: Carnegie-Mellon University, CS/RI
Lines: 7
Posted: Thu Mar 15 04:37:42 1990

Version 3.7 of the N3EMO orbit program has been posted to comp.sources.misc.

Joe Bob says check it out.

Bob, N3EMO
rwb@vi.ri.cmu.edu

From -755754399709238016
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8a9cb94be7e1d303
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 102b75,3e119913362f826e
X-Google-Attributes: gid102b75,public
X-Google-ArrivalTime: 1990-03-14 20:35:47 PST

Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Forgiving the League for Incent
Message-ID: <1454@anasaz.UUCP>
Date: 15 Mar 90 04:35:47 GMT
References: <25@<14302> <37400009@cpe>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 61
Posted: Thu Mar 15 05:35:47 1990

In article <37400009@cpe> stevedak@cpe.UUCP writes:
]>The exams SHOULD measure how capable we are of NOT abusing the privileges
]>that we want to have.
]
]What sort of exam is able to do this?
]

Well...

I think that the exams should have a lot more on good operating practices and a lot less on widely varied technology. When we run the hurricane watch net, our biggest problem isn't that someones rig has a technical glitch - it's that the computer between some of the operators' ears is defective. At least these people would have had to memorize some questions such as:

3A:

You live in Michigan are curious about a hurricane about to hit Florida. There is a Hurricane net operating on 14.325 forwarding weather and damage reports between the affected area and the National Hurricane Center. You should:

(1) Say "break break break" and then ask for the latest hurricane coordinates.
(2) Wait for the net control to ask for "any stations in the affected area with weather reports" and then give your call and ask your question.
(3) Wait for net control to ask for "emergency or priority traffic" and then ask.
(4) Disconnect your microphone and listen until you hear the information that you need.

3B:

A massive flood has hit Phoenix, AZ. Your next door neighbor has a favorite nephew somewhere in Arizona and is terribly worried. You should:

(1) Find an emergency net, break in, and ask about your neighbor's nephew.
(2) Find a health and welfare net, break in, and ask about your neighbor's nephew.
(3) Find a ham who regularly handles this sort of traffic, and give it

to him.
(4) Listen to health and welfare nets, wait for them to ask for anyone with traffic for the area, and then give it to him.

3C:
You are listening to a net and someone is jamming it. You should:
(1) Join them in the jamming;
(2) Wait until they stop, and then say "What a LID"
(3) Call the FCC and demand that they stop the jamming.
(4) Ignore the jammer.

I would sure like to see a bunch of questions like this in the question pool!

--
John Moore (NJ7E)   mcdphx!anasaz!john asuvax!anasaz!john
(602) 951-9326 (day or eve) long palladium, short petroleum
7525 Clearwater Pkwy, Scottsdale, AZ 85253
Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From 4714915253599272258
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,af9da3a77d099057,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-14 22:42:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!van-bc!ubc-cs!alberta!dvinci!weyr!Ken.Crowston
From: Ken.Crowston@weyr.FIDONET.ORG (Ken Crowston)
Newsgroups: rec.ham-radio
Subject: Special Canadian Call Prefixes
Message-ID: <592.25FF4CA3@weyr.FIDONET.ORG>
Date: 15 Mar 90 06:42:35 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 23
Posted: Thu Mar 15 07:42:35 1990

To Mark the 25th aniversary of the Canadian Flag, Communications Canada has authorized the following prefixes from March 1, 1990 to April 30, 1990.

VE1	can use	CF1
VE2	" "	CF2
VE3	" "	CF3
VE4	" "	CF4
VE5	" "	CF5
VE6	" "	CF6
VE7	" "	CF7
VE8	" "	CF8
VY1	" "	CZ1
VY2	" "	CZ2
VY9	" "	CZ3

```
VO1   "   "   VO3
VO2   "   "   VO4
```

73's DE VE5KEN - Ken - Saskatoon, Saskatchewan, Canada

--
Ken Crowston - via FidoNet node 1:140/22
UUCP: alberta!dvinci!weyr!Ken.Crowston
Internet: Ken.Crowston@weyr.FIDONET.ORG
Standard Disclaimers Apply...

```
From -6044375819627071O2
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,34739191eee7dad3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-14 23:16:05 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!asuvax!stjhmc!
f1.n234.z1.fidonet.org!J.i.m..G.r.u.b.s,..W.8.G.R.T
From: J.i.m..G.r.u.b.s,..W.8.G.R.T@f1.n234.z1.fidonet.org (J i m  G r u b s,  W 8
G R T)
Newsgroups: rec.ham-radio
Subject: Re: Part 15 on 21 mtrs
Message-ID: <14718.25FF42BA@stjhmc.fidonet.org>
Date: 15 Mar 90 07:16:05 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 24
Posted: Thu Mar 15 08:16:05 1990
```

 > From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
 >
 > In article <545@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
 > %Did anyone notice the new allocation for low power transmitters
 > %under Part 15 at 13.553 to 13.567 MHz? It is mentioned on page
 > %7 of the March issue of Monitoring Times.
 > %
 > %What did the FCC have in mind with this allocation?
 >
 > The FCC has demonstrated that there is no intelligence in the Commission
 > over the last year or so. Of course, there is a long tradition of
 > short-sightedness in the FCC, dating back at least to the 50's when CB
 > was created.

Will you lighten up? You've been a real crosspatch lately. The 21 mtr frequency was probably an old ISM allocation. I don't remember what it was used for, but I vaguely recall some reference to that in the NPRM when Par 15 was being restructured. Leaky cable proximity detectors, maybe.

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!

J.i.m..G.r.u.b.s,..W.8.G.R.T
Internet: J.i.m..G.r.u.b.s,..W.8.G.R.T@f1.n234.z1.fidonet.org

---

From -1128108287597776537
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7fb63c886cf297f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-14 23:48:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Forgiving the League for Incentive
Message-ID: <30500447@ux1.cso.uiuc.edu>
Date: 15 Mar 90 07:48:10 GMT
References: <9003091756.AA04315@ti.com>
Lines: 36
Nf-ID: #R:<9003091756.AA04315@ti.com>:-27:ux1.cso.uiuc.edu:30500447:000:1921
Nf-From: ux1.cso.uiuc.edu!phil   Mar 14 17:42:00 1990
Posted: Thu Mar 15 08:48:10 1990

> chagrined, but maybe it has changed. As an example, I would be much more
> concerned with approval from agencies like the FAA and NASA when and if I
> launch my own satellite, than memorizing the period I have to notify the FCC
> of my launch date and satellite activation. I realize that such questions
> are intended to test if the subject has read the license manual from cover
> to cover with signicant comprehension, but it does seem a little bit
> rote. It has been pointed out that those with a real interest in the details
> will find out anyway, and that goes for learning code as well.

As such, I propose that the written exam be divided distinctly into a THEORY exam and REGULATION exam. The REGULATION exam should be given in OPEN BOOK style, using tough questions that require you to look things up. Because most people forget details and trivia anyway, it is better for us to stress the skill of reading the rules instead of memorizing them. In addition we need to also stress the idea of owning a copy of the rules. The VEC's will NOT provide a copy of the rules; you bring your own to the exam. You get to use ONE book or pamphlet during the REGULATION exam.

> If the consensus here is that we still need a 5 tier license system with
> the communicator possibly a sixth, then I guess that's democracy.
> I don't like it and I know the FCC doesn't either. I wonder if any other
> countries have so many license classes.

Perhaps we should ask how many tiers of HF privileges other countries have.

> I do want to see more activity on VHF/UHF, at least around here where there
> are more repeaters than hams. Some areas like LA probably have plenty, but
> I also believe its time for regional band planning. Let's keep amateur
> radio growing!

Regional band planning is already going for the larger areas now, especially in California.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From -4627489430404446820
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc5f587d7e79b17d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-14 23:48:15 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Kenwood TM631A/731A Mods
Message-ID: <30500448@ux1.cso.uiuc.edu>
Date: 15 Mar 90 07:48:15 GMT
References: <1825@crash.cts.com>
Lines: 11
Nf-ID: #R:crash.cts.com:1825:ux1.cso.uiuc.edu:30500448:000:272
Nf-From: ux1.cso.uiuc.edu!phil   Mar 14 18:01:00 1990
Posted: Thu Mar 15 08:48:15 1990

No, do not post.

If you have FTP access, check out the database on:
hamster.business.uwo.ca   (IP 129.100.22.100)

If you do not have FTP access, ask for someone to mail you a copy
of what you are interested in.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From -8644689237820654990
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a98a340bcd5720c8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-14 23:49:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!SC.INTEL.COM!RHAREL%FAB8
From: RHAREL%FAB8@SC.INTEL.COM ("RICHARD HAREL CAL.LAB INTEL")
Newsgroups: rec.ham-radio
Subject: Info-Hams To Packet BBS Gateways ??
Message-ID: <9003150806.AA14117@ucbvax.Berkeley.EDU>
Date: 15 Mar 90 07:49:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 6

Posted: Thu Mar 15 08:49:00 1990

Is there a way I can get a message to a particular BBS VIA Info-Hams
AUTOMATICALLY ??
Packet on 20 and 15 meters these days seems to take forever from here but once
in the States - it seems like the messages zip right along.

Please answer via E-Mail (return address) and not via Info-hams.

From -8426351789051679025
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f70628fdf8784a9c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-15 00:09:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!van-bc!ubc-cs!
alberta!atha!rwa
From: rwa@cs.AthabascaU.CA (Ross Alexander)
Newsgroups: rec.ham-radio
Subject: Re: Wait a minute...
Summary: density :-)
Message-ID: <1767@aurora.AthabascaU.CA>
Date: 15 Mar 90 08:09:55 GMT
References: <9003140803.AA17127@ucbvax.Berkeley.EDU>
Organization: Athabasca University
Lines: 22
Posted: Thu Mar 15 09:09:55 1990

In article <9003140803.AA17127@ucbvax.Berkeley.EDU>, wmartin@STL-06SIMA.ARMY.MIL
(Will Martin) writes:

```
> : band segments relatively clear of the intense density of US hams.
>                                      ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
> You can't have it both ways, folks.
> Either there are too few hams, which means that we cannot have an "intense
> density of US hams", or we already have too many, in which case you want
> *more* arbitrary filters to reduce the candidates and fewer applicants.
```

Maybe the original poster meant that American amateurs aren't very
clever compared to foreign ops? That's one reading of the phrase
"intense density". I could understand it too, considering some of the
blather I've heard on 20 metres lately.

NOTE TO THE HUMOURLESS : THIS IS A TONGUE-IN-CHEEK POSTING. I DON'T
EXPECT FLAMES ABOUT A JOKE. TAKE A DEEP BREATH AND RELAX. THANKS.
--
Ross Alexander   (403) 675 6311   rwa@aungbad.AthabascaU.CA   ve6pdq

--
--
Ross Alexander   (403) 675 6311   rwa@aungbad.AthabascaU.CA   VE6PDQ

From -2690412165097954420
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a1fd665eda01512
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-15 02:23:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!think!snorkelwacker!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Ham slide shows (long) (Was Re: Club mtg ideas)
Summary: Source of good slide shows
Keywords: ham meetings, slide shows
Message-ID: <39492@apple.Apple.COM>
Date: 15 Mar 90 10:23:17 GMT
References: <102224@linus.UUCP>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 108
Posted: Thu Mar 15 11:23:17 1990

In article <102224@linus.UUCP> abm@mbunix.mitre.org (Murphy) writes:

>I asked for suggestions for topics / speakers for a luchhour ham club at work. Here are the responses to date -thanks to all who contributed
>
>*** from John Covington WN4BBJ cs00jmc@unccvax.uncc.edu
>3. DXpedition/special event slide shows:

Looks like the perfect opening for me to remind everyone about the free slide shows available from the Northern California DX Foundation. To wit:

(last updated 3/15/90)

The Northern California DX Foundation has for loan a number of DX-oriented slide shows. Each program consists of one or two slide trays plus an audio tape with narration, so they make a good ready-to-use program for ham clubs. I'm not going to claim that they're all professional-quality productions, but when was the last time a network news crew offered to spend 10 days on Clipperton? :-)

The rental "fee" is cost of postage only (about $5 roundtrip in the US). Library manager is Josephine (Jo) Clarke, WB6ZUC, 207 Evergreen Drive, Kentfield, CA 94904. If you'd like to order a show, please send her the name of your club, the date for which you need the slides, and more than one choice of program in case your first choice isn't available for that time. The shows are quite popular, so you should write at least a couple of months in advance.

Here's the current list:

SLIDE SHOWS

1. Kingman Reef and Palmyra Island 1974
2. Africa (K5YY) 1978
3. Easter, Galapagos, San Andreas, etc. (W6KG, W6QL)
4. Kermadec (W6REC, ZL1AMO, etc.) 1984
5. Saipan AH0C, CQWW contest 1983
6. Clipperton Island FO0XX 1985
7. Ponape Island travelogue (N6HR)
8. Pribilof Islands 1982
9. Midway Island (NA6T, KD7P) 1985
10. Antarctica travelogue (WB6ZUC)
11. Pitcairn Island (ZL1AMO, ZL1ADI) 1979
12. Transpacific (SM0AGD) 1982
13. Burundi (ON5NT) 1985
14. Benin (ON5NT) 1981
15. Lord Howe Island VK3DXU/2 (K2UO)1985
16. Monaco (F6EYS, F6HIX) 1984
17. Uganda (DJ6SI) 1985
18. Market Reef (PA0GAM/OH0/OJ0) 1983
19. Marshall Islands KX6DS
20. Andorra (DL1HBT, DL3HAH, DL5BAD, DL4BBO, DL4BAH) 1986
21. Clipperton Island FO0XX 1986
22. Peter I Island 3Y1EE, 3Y2GV 1987
23. U.S. Virgin Islands KP2N CQWW CW contest 1986
24. Market Reef OF0MA 1987
25. Abu Ail A15AA (DJ6SI) 1988
26. Macau XX9CW (DK7PE) 1986
27. Palmyra (K9AJ, KP2A, WA2MOE, W0RLX, F6EXV, JA5DQH) 1988
28. Kingman Reef (same operators as above) 1988
29. Cocos Keeling Islands, Christmas Island, etc. (W7SW) 1988
30. Banaba Island T33JS 1989
31. Revilla Gigedo XF4L 1989

VHS VIDEOTAPES

1. XU1SS (plus BV0YL and BV0JA)
2. 7J1RL (includes ZK9ZR, Mellish Reef) 1976,78
3. VK9ZR (plus Ogasawara) 1978
4. Frankford Radio Club ARRL Phone contest parody (plus JH7YFL CQWW CW)
5. Okino Torishima JF1IST/7J1 1979
6. Australian travelogue: Climbing Big Ben; Heard Island
7. Ham Radio in the South Cook Islands (ZK1CA, ZK1CT)
8. Pitcairn Island (ZL1AMO, ZL1ADI) (copy of slide show listed above)
9. Looking Up in Rio Linda (W6GO, K6HHD antenna farm) 1986
10. Revilla Gigedo XF4DX 1987
11. Northern Texas Contest Club: Towers and Contesters
12. It Started with a Broken Fence (JH3DPB Tall Tower Tale)
13. Pile Up Busters (humorous)
14. St. Martin FG/W2QM/FS: DXing Senior Style
15. Laccadive Islands VU7WCY (plus VK0HI 1983 from TV) 1984
16. The K6UA Contest Station Story
17. Malpelo HK0TU (in Spanish) 1983
18. The Ship That Shouldn't Have (VK0JS Heard Island)
19. The New World of Amateur Radio (hosted by K6DUE) 1988

20. The Western Sahara Story S0RASD (Lynx Group) 1987
21. Auckland Island (ZL1AMO, ZL1BQD, N7NG) 1988
22. Owen Garriott Talk (about his ham/shuttle activities) 1984
23. Russian Ham Radio Tour (WA6WXD) 1986
24. Peter I 3Y DXpedition, 1987 (copy of slide show)
25. Peter I, from JA7ARW 1987
26. Spratly Island (K4SMX, K1MM, VK2BJL, etc.) 1979
27. Malyj Vysotskij Island (OH2BH, UZ3AU, etc.) 1988
28. 3W8DX and 3W8CW (HA5WA, HA5MY, HA5PP, HA5BBC) 1988
29. Aruba, P40V CQWW Contest 1988
30. A Message from Barry Goldwater [I think about no-code]
31. Navassa (N2EDF, K2SG, etc.) 1988
32. Rhodes, SV5, by N2OO and SV0AA 1989
33. Howland Island NO1Z/KH1 (NO1Z, 7J3AAB, etc.) 1988
34. BEARS at the Great Wall of China (W7EA, etc.) 1988
35. Kansas City DX Club DXpedition to Tonganoxie Island

--

```
*****************************************************************************
Patty Winter N6BIS                         INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                      UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From 629238760611500046
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,30d24f08a8b77cb4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-15 03:33:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!ames!elroy.jpl.nasa.gov!decwrl!ucbvax!SC.INTEL.COM!
RHAREL%FAB8
From: RHAREL%FAB8@SC.INTEL.COM ("RICHARD HAREL CAL.LAB INTEL")
Newsgroups: rec.ham-radio
Subject: BIT RATE SPEEDS - WORLD RECORDS ??
Message-ID: <9003160819.AA16137@ucbvax.Berkeley.EDU>
Date: 15 Mar 90 11:33:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Thu Mar 15 12:33:00 1990

Can anyone give me some feedback as to what speeds data transfer is
achieving these days over:
a. Conventional Telephone lines
b. Leased data lines
c. RF (mainly microwave)

Is anyone doing some experiments out there digitizing voice and then
transferring it at high speeds via RF ???
Maybe the day 'aint so far off when repeater clubs will have a microwave
dish at their site pointed at OSCAR 'XX' that will forward
voice messages at 56 mbyte per second.

73 de 4X1DA
Richard Harel

Feedback ???
Please direct responses to return E-Mail address.

From 3126048799221719382
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a8b0e287f6f20a43,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-15 05:00:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
elroy.jpl.nasa.gov!decwrl!ucbvax!CSHLAB.BITNET!STELLABO
From: STELLABO@CSHLAB.BITNET
Newsgroups: rec.ham-radio
Subject: RE: INFO-HAMS Digest V90 #288
Message-ID: <9003160820.AA16201@ucbvax.Berkeley.EDU>
Date: 15 Mar 90 13:00:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1
Posted: Thu Mar 15 14:00:00 1990

Please remove me from this list

From -6315955664271710247
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64d82e7158db154e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-15 06:36:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
chaph.usc.edu!aludra.usc.edu!cyamamot
From: cyamamot@aludra.usc.edu (Cliff Yamamoto)
Newsgroups: rec.ham-radio
Subject: Re: PRO-2004 wierdness
Summary: Hmmm... a very familiar number here
Message-ID: <8630@chaph.usc.edu>
Date: 15 Mar 90 14:36:58 GMT
References: <900314135856.20201ebe@UWYO.BITNET>
Sender: news@chaph.usc.edu
Organization: University of Southern California, Los Angeles, CA
Lines: 17
Posted: Thu Mar 15 15:36:58 1990

In article <900314135856.20201ebe@UWYO.BITNET> jimkirk@OUTLAW.UWYO.EDU (James
Kirkpatrick) writes:
>I just had a very strange thing happen with my PRO-2004 scanner, and was
>wondering if anybody has an explanation. I was attempting to re-program
>several frequencies, but in certain ranges it would add 3.2768 mHz to
>the frequency I keyed in! For example, I would key in 160.0 but as soon

>as I press ENTER it would change to 163.2768
>
>Has anybody else had similar experiences? Any thoughts? What's magic
>about 3.2768 mHz?

Just that 2^15 = 32768.... Here's a wild guess but I'd say the 15th bit
going between your keyboard and the PLL/Display circuitry was stuck as
logic "1" causing you a bunch of grief. I don't have any clues/solutions
other than reseating the connectors between the keyboard subassy and the
rest of the radio. Never heard of this problem before.

Cliff Yamamoto - KA6JRG

From 944843140164729025
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c3d7512da1f6867c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-15 06:57:15 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!tank!gargoyle!chinet!megabyte
From: megabyte@chinet.chi.il.us (Dr. Megabyte)
Newsgroups: rec.ham-radio
Subject: Re: Dak radio
Summary: Shipping Charges
Message-ID: <1990Mar15.145715.9304@chinet.chi.il.us>
Date: 15 Mar 90 14:57:15 GMT
References: <1779@crash.cts.com> <8885@cbnewsh.ATT.COM>
Reply-To: megabyte@chinet.chi.il.us (Dr. Megabyte)
Organization: Abacus Computers - You Can Count On Us
Lines: 16
Posted: Thu Mar 15 15:57:15 1990

In <8885@cbnewsh.ATT.COM> wa2sff@cbnewsh.ATT.COM (joseph.e.wilkes) writes:
>In article <1779@crash.cts.com>, mikey@pnet01.cts.com
>(Mike Shirley__Wb6wui) writes:
>> I deplore the Shipping/handling charge which seems to have no
>>rhyme or reason with respect to actual shipping charges incurred by DAK.
>The best that I can determine is the shipping charges are designed
>to ensure that money is made even if the customer returns the product.

While some companies may do this, DAK refunds both the cost and the
shipping charges if you return the product. You pay return shipping to
DAK, but that's always less than they charge you for some reason.
--
Mark E. Sunderlin: IRS Technocrat in Winchester, VA
 aka Dr. Megabyte: megabyte@chinet.chi.il.us (703) 667-5203
"Welcome to my fog! There's room for you, to come right in.
 Welcome to my fog...... I guess?!"

From -8766402839215231005
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc25f6131052cc5a

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-15 07:18:47 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!decwrl!ucbvax!STL-06SIMA.ARMY.MIL!wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: Re: Call for discussion - rec.arts.tv.catv
Message-ID: <9003160821.AA16281@ucbvax.Berkeley.EDU>
Date: 15 Mar 90 15:18:47 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 70
Posted: Thu Mar 15 16:18:47 1990

>| catv = community access television (not "cable tv")
>I think if you go back to ancient times, you will find that it stands
>for "community ANTENNA television".

Right. As opposed to "MATV" which is "Master-antenna television", when an apartment house or ^ other multiple-dwelling unit had their own antenna farm, distribution amps & splitters, and internal cabling to each unit.

In the industry, "catv" is now used to refer to cable tv generically. If you are buying broadband LAN cable and splitters, say, you look at "catv catalogs" for that stuff.

Anybody using the term to mean "community access" probably works in that activity, and such usage is limited in scope and would not be recognized in the general video industry. If THAT is what this proposed USENET newsgroup is to discuss, the name should be rec.arts.tv.community or something specific like that. (I thought of suggesting "rec.arts.tv.commun" but figured that would be interpreted as "communist tv"... :-)

Actually, I disagree with the whole concept of finer and yet finer distinctions and splitting topics up into more and more specific newsgroups. I believe that each newsgroup should have a rather broad charter, and each one be fully two-way gatewayed into an Internet mailing list, the way rec.video interacts with Videotech@wsmr-simtel20. All TV and video technically-oriented stuff should go into that list, and all content and programming-oriented stuff should go into a "rec.tv" or "rec.tvprog" which should have a corresponding mailing list for non-USENET participants. [I don't know what current tv newsgroups there are, not having USENET access myself currently.] Only with that approach can you maximize the number of participants and avoid losing information.

This approach helps avoid the possibility of newsgroup access being cut off by an organization as "non-work-related" (the academics out there don't consider this, but it is a very real consideration at non-school sites!), because it is easier to defend a group as having valuable content that just happens to also contain frivolous (and therefore enjoyable! :-) related postings. Broad-spectrum groups can get in when specific narrow-interest ones cannot. [Actually, "rec.video" should become "sci.video" under this approach, to get it into places that embargo the "rec" groups. Or maybe there should be a "tech" top-level heading for things that are sort of "engineering" -- not pure science but more technical than recreational.]

Anyone who is interested in one aspect of video technicalities, or in one aspect of TV programming or content, really should be at least somewhat interested in all other aspects of that field, and, for their own good (<-- dangerous concept, this! :-), should be exposed to the whole range of topics in that field. The arguments for specific narrow-interest newsgroups thus are specious and should not be given weight. The entire idea of isolating topics and limiting that is inherent in the move to ever-more-specific newsgroups is wrong. It encourages narrow-mindedness, when the whole concept behind the net (in all its forms and extensions) is to *broaden* ones exposure and knowledge base. Too many times, I have seen complaints from people about "having to wade thru too many postings" on other subjects in order to get some specific topic or subject. This is NOT a valid complaint. It is a *benefit* for there to be a sea of knowledge out there that you dip into. Just because you cannot drink it all down is no reason to gripe about it being there!

Since I cannot post it over there, someone on USENET feel free to repost this whereever in the "news.xxx" groups the discussion is taking place. I hope the net.wizards out there will recognize the validity of this point of view and take steps to reduce or eliminate newsgroup subdivision, and, hopefully, do all they can to encourage the existence of gatewayed mailing lists for all groups, so as to insure participation is available to as many people as possible.

Regards, Will Martin
wmartin@st-louis-emh2.army.mil OR wmartin@stl-06sima.army.mil

From 3053533400934570875
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,fc25f6131052cc5a
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,fc25f6131052cc5a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f9437,fc25f6131052cc5a
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-03-15 07:25:38 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!news-server.csri.toronto.edu!
utgpu!watserv1!watcgl!electro!carlo
From: carlo@electro.UUCP (Carlo Sgro)
Newsgroups: news.groups,rec.radio.shortwave,rec.ham-radio
Subject: Re: Call for discussion - rec.arts.tv.catv
Message-ID: <1496@electro.UUCP>
Date: 15 Mar 90 15:25:38 GMT
References: <5188@quack.UUCP> <1990Mar13.124850.24587@newcastle.ac.uk>
<539@humu.NOSC.MIL>
Reply-To: carlo@electro.UUCP (Carlo Sgro)
Followup-To: news.groups

Organization: Electrohome Ltd., Kitchener, ON
Lines: 30
Xref: gmdzi news.groups:16579 rec.radio.shortwave:697 rec.ham-radio:10210
Posted: Thu Mar 15 16:25:38 1990

In article <539@humu.NOSC.MIL> psilva@humu.NOSC.MIL (Paul A. Silva) writes:
>In article <1990Mar13.124850.24587@newcastle.ac.uk> C.Dennison@newcastle.ac.uk
(C. Dennison) writes:
>>In article <5188@quack.UUCP> mrapple@quack.UUCP (Nick Sayer) writes:
>>>I would like to open a discussion period on the possible formation
>>>of rec.arts.tv.catv, a group for the discussion of issues pertaining
>>>to cable TV.
>>
>>Wouldn't "rec.tv.cable" give a clearer indication of what the group was about?
>>   Just a thought anyway!
>>
>>Chris.
>   In case nobody else has pointed this out:
>   catv = community access television (not "cable tv")

Well, isn't that a strong argument against the name? It certainly isn't
clear what catv is from looking at the name. I would suggest coming up
with a different name (e.g. rec.arts.tv.community if the group is about
community access TV and rec.arts.tv.cable if the group is about cable
TV?).

Also, please don't limit your distribution unless the distribution of the
group will also be limited. If it wasn't for the fact that we get articles
with usa distribution passed on to us, we would have missed out on this
discussion. Of course, if the topic is Cable TV, then it may be a good
idea to limit distribution since it is so much different down there :-).

--

Carlo Sgro   Not a card-carrying member of the
watmath!watcgl!electro!carlo   Laurie Bower Singers Fan Club.

From 7689454099344480462
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d72dac44090cd21b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-15 08:18:47 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!zaphod.mps.ohio-state.edu!usc!
elroy.jpl.nasa.gov!decwrl!ucbvax!MARLIN.NOSC.MIL!price
From: price@MARLIN.NOSC.MIL (James N. Price)
Newsgroups: rec.ham-radio
Subject: TV and FM DXing
Message-ID: <9003151618.AA19401@marlin.nosc.mil>
Date: 15 Mar 90 16:18:47 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 80

Posted: Thu Mar 15 17:18:47 1990

Several people have asked me to elucidate a bit on this topic as a follow-on to my posting a couple of weeks ago.

What we're talking about here is relatively long-distance reception on commercial TV and FM frequencies at basically unpredictable times and from unpredictable places.

The mechanism is the ionosphere when the E-layer gets excessively ionized and causes skip not unlike the F-layer skips to which we are accustomed in ham radio and normal shortwave. Thus frequencies up to 50, 60, 70, 80, even over 100 MHz are reflected back to earth. In fact this last summer, a 220 MHz E-skip QSO was verified over a few hundred miles, but that is a rare exception.

The most common E-skip reception is on channel 2 (the lowest frequency) from about 1000 miles away. Here in Southern California, frequent "visitors" on channel 2 are from Midland, Texas and Denver, Colorado, for example. My personal reception records distance wise are Saskatchewan to the North and Mexico City to the South.

If the E-skip is really strong, it will be in effect up through channel 6 and even into the FM band. And some hams see E-skip on 2 meters on occasion.

We are at a sunspot peak, and the E-skip conditions are especially good right now. The peak months are June and July, and I'd expect to see something almost every day this Summer.

So what does it take? The primary asset is living somewhere that channels 2 thru 6 are essentially devoid of local signals. Well, that doesn't apply in many areas (California's San Joaquin Valley is Nirvana for TV DX). But here in San Diego, for example, channel 3 is vacant and I can steer a rotary TV antenna away from LA enough to pull E-skip signals out on channel 2, 4, and 5 if they're strong enough. No special equipment required--you can sometimes receive distant TV stations with rabbit ears! By extension, these comments apply to the FM band as well.

Someone asked about publications. Many moons ago (1960 plus/minus) I subscribed to a magazine called "TV DXing Horizons" which was published in Modesto, CA. I'm sure it's long gone, but there is a group called something like the TV-FM DXing Society, and I think several people on the net belong. I'm sure they publish a newsletter, station lists, etc.

A handy piece of reference material is a list of TV stations around the country. Until recently the best source was the "North American Radio and TV Station Guide," a Sams book authored by Vane Jones. But it hasn't been republished in several years and is terribly out of date. (Does anyone know why? Is Vane dead?) But at least the most recent edition will tell you what cities have channel 2s and that's a good place to start.

This might be a good forum to compare reception notes this Summer. Three of us did that informally last year with our own mini-Net, and on days when reception is good out here, it generally is good throughout the country. In fact, on days when TV E-skip is "in," check out 10 meters for some places you don't normally work on 10 (i.e. relatively close by), 6 meters for almost anything, and 2 meters for unusual repeaters.

TV stations are quite good about QSLing DX receptions, by the way. I have cards or letters from 20 states, 3 Canadian provinces, and Mexico that I've accumulated over the years.

So, good DXing to us all.

--Jim, K6ZH

P.S. Rarely does only one station come in at a time. The result is noisy, blurry, color fading in and out, sound from one station over a picture from another, etc. If there's someone in your household who isn't too fond of listening to radio interference, TV DX will drive 'em nutz!!

From -3607326257069513199
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,63aded2b1288fc27,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-15 09:46:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!van-bc!ubc-cs!alberta!dvinci!weyr!katz
From: katz@weyr.FIDONET.ORG (sylvan katz)
Newsgroups: rec.ham-radio
Subject: FAIR INTERNATIONAL DX CONTEST
Message-ID: <594.25FFD914@weyr.FIDONET.ORG>
Date: 15 Mar 90 17:46:55 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 12
Posted: Thu Mar 15 18:46:55 1990

[NOTE: Message modified, 15 Mar 90 11:47:54]
I have had a number of replies and suggestion about how to create a fair DX contest. However most of these have been through private mail. Maybe if we could open up this discussion for all to see we might be able to generate enuff ideas to get the momentum to have one of the large ARS organizations pay attention and actually formally sponsor a "FAIR INTERNATIONAL DX CONTEST" which anyone in any

location with any equipment would have a shot at winning. Let's not forget that
there is no doubt that unless the

operator is competent and competitive no matter the location or equipment there
will be no chance of winning. All suggestions and discussion welcome.

73's & GUD DX - VE5ZX (Syl)

```
--
Sylvan Katz             Ham: VE5ZX
203 Ball Crescent       UUCP: alberta!dvinci!weyr!katz
Saskatoon, Sask         Internet: katz@weyr.FIDONET.ORG
Canada S7K 6E1          Ham bands: below 14.025/21.025/28.025 @ 0100-0300Z
(306) 934-3168
```

From -3059219530060941209
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,70f8e63cc0dadfc0
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,70f8e63cc0dadfc0
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-03-15 09:56:11 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!think!samsung!umich!vela!bbesler
From: bbesler@vela.acs.oakland.edu (Brent Besler)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: RShack CB radio recommendation
Keywords: TRC-418 CB
Message-ID: <370@vela.acs.oakland.edu>
Date: 15 Mar 90 17:56:11 GMT
References: <5313@rayssdb.ray.com>
Reply-To: bbesler@vela.acs.oakland.edu (Brent Besler)
Organization: Oakland University, Rochester MI
Lines: 9
Xref: gmdzi rec.ham-radio:10212 sci.electronics:5686
Posted: Thu Mar 15 18:56:11 1990

From personal experience with a CB and magnetic mount antenna, I would recommend
getting a CB with microphone mounted channel controls. It is very convenient
while driving. I would also get a CB with an analog noise limiter(ANL). Radio
Shack carries such a CB, but it is around $100 regular price. I have a Midland
CB(don't remember the model number) with the above specs. I would recommend
a K40 antenna above any other. The fiberglass cover one is nice, since it won't
rust.

Brent H. Besler

From 223089876891164953
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d15628759bea3d25,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-15 10:25:29 PST
Path: gmdzi!unido!mcsun!uunet!ingr!b11!herbster
From: herbster@b11.ingr.com (Joe Herbster)
Newsgroups: rec.ham-radio
Subject: 'tenna help please?
Keywords: TA-33 beam
Message-ID: <7686@b11.ingr.com>
Date: 15 Mar 90 18:25:29 GMT
Organization: Intergraph Corp. Huntsville, AL
Lines: 9
Posted: Thu Mar 15 19:25:29 1990

Yet another request for info please....

I am putting up a used (got a DEAL) TA-33 tri-band beam but did not get any paperwork with it. I am looking for any information on the assembly instructions, element spacing, etc. I hate to work in the dark. This is a Mosley TA-33M three element 14' boom for 10/15/20.

Thanks very much, de km4jn

From 2771796606604669161
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c669dd5af1fcb6f4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-15 11:01:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!think!mintaka!mit-eddie!apollo!raisbeck_m
From: raisbeck_m@apollo.HP.COM (Michael Raisbeck)
Newsgroups: rec.ham-radio
Subject: QSL's for QSO's from the 60's
Message-ID: <49369116.20b6d@apollo.HP.COM>
Date: 15 Mar 90 19:01:00 GMT
Sender: root@apollo.HP.COM
Lines: 11
Posted: Thu Mar 15 20:01:00 1990

Anyone have any idea how I might locate the following folks? I would dearly love to get QSL's for these qso's that I made in the 60's

KZ5CU, Joe in Ft. Clayton, Canal Zone, worked Nov. 13, 1964 on 14.070 cw at 1703
CR6GS, Henry in Nova Lisboa, Angola, worked March 6, 1965 on 21.090 cw at 1327

Any help would be greatly appreciated.

73,
Mike

K1TWF

From 1048623590262517777
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc83561d415f2d44
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-15 11:51:56 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!sunybcs!uhura.cc.rochester.edu!rochester!rit!cci632!dvh
From: dvh@cci632.UUCP (David Hallidy)
Newsgroups: rec.ham-radio
Subject: Re: QSL Cards
Message-ID: <35110@cci632.UUCP>
Date: 15 Mar 90 19:51:56 GMT
References: <132888@sun.Eng.Sun.COM>
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 16
Posted: Thu Mar 15 20:51:56 1990

I'd recommend W4MPY out of Monetta, South Carolina. He advertises in QST every month so you can get the address there. I have done business with them, and they produce a very nice card for a VERY reasonable price. They can do customs or you can pick from a number of standard designs. They will also send you samples, pricing and an order form for the asking. Also, they rarely charge for extras such as logos or awards, which a lot of the others have a fee to include in your design. Give 'em a try- you won't be sorry, but if you are, they'll refund your money.

I have no affiliation with QSLs by W4MPY other than as a satisfied customer.

73   Dave KD5RO/2

From -7131133155244167834
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bc83561d415f2d44
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-15 12:35:54 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!usc!zaphod.mps.ohio-state.edu!wuarchive!psuvax1!psuvm!mls129
From: MLS129@psuvm.psu.edu (Michael L. Sensor)
Newsgroups: rec.ham-radio
Subject: Re: QSL Cards
Message-ID: <90074.153554MLS129@psuvm.psu.edu>
Date: 15 Mar 90 20:35:54 GMT
References: <132888@sun.Eng.Sun.COM>
Organization: Penn State University
Lines: 5

Posted: Thu Mar 15 21:35:54 1990

Check Gail's QSLs in Missouri. They're *vrey* inexpensive and do the job...
 Don't be looking for exotic graphics or neat little pictures, though.
Their QSLs are simple and useful...

Mike KD3LR <MLS129@PSUVM>

From 4277966850802034618
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,deb1cb2bacc68013,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-15 13:30:00 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!ucsd!ucbvax!CCF3.NRL.NAVY.MIL!zwirko%v5120.decnet
From: zwirko%v5120.decnet@CCF3.NRL.NAVY.MIL ("V5120::ZWIRKO")
Newsgroups: rec.ham-radio
Subject: 6m Beacon List
Message-ID: <9003160823.AA16491@ucbvax.Berkeley.EDU>
Date: 15 Mar 90 21:30:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 135
Posted: Thu Mar 15 22:30:00 1990

This list was complied by KA3B & K5ZMS and was added to by VK5LP, JA1AN, K1HTV and KA1GD.

Columns are: Frequency in MHz, Callsign, Location, Grid Square, Power Output, Antenna, and Operation (C=Continous, I=Intermittent)

73 & Good Dx'n ... Andy (KA1GD/3)

```
              International 6m Beacon List
              ----------------------------

Frequency Callsign  Location     Grid  Pwr.   Antenna   Opr
--------- --------  --------     ----  ----  ---------   ---
35.810        VK6RO      Western Australia          3w    6L yagi
      I
41.750        VK6RO      Western Australia          8w    6L yagi
      I
45.250        CH. 1      New Zealand TV (video)
      I
46.250        CH. 0      Australian TV (video)
      I
48.250        CH. E2     EU & AF TV (video)
      I
49.750        CH. R1     EU/AS TV (video)                I
50.005        ZS2SIX     Rep. of South Africa  KF25  25w   Dipole
      C
```

```
50.005        H44HIR     Honiara, Solomon Is.  QI00
50.008        K0GUV      Park Rapids, Mn  EM26  10w   Halo@30'
      C
50.010        VE7SIX     Kaleden, BC      DN09  130w  Swiss Quad
      C
50.010        ZS6PW      Rep. of South Africa  KG44
           C
50.010        JA2IGY     Mie, Japan       PM84  10w   Grnd Plane
      C
50.013        P29BPL     Port Moresby, P.N.G   QI30  30w   Dipole
      C
50.015        SZ2DH      Athens, Greece   KM18  10w   5L yagi
      I
50.015        PJ4B   Aurba                          C
50.017        JE6ZIH     Miyazaki, Japan  PM84  10w   2x Squalo
      C
50.018        ZS3VHF     Rep. of South Africa        60w
      C
50.020        CX1CCC     Montevideo, Uruguay         5w    Vertical
      C
50.020        GB3SIX     Anglesey, England     IO73  25w   3L yagi
      C
50.025        6Y5RC      Kingston, Jamaica     FK17  40w   3L yagi
      C
50.028        JA7ZMA     Fukushima, Japan QM07  10w   6L yagi
      C
50.030        CT0WW      Joao Pesdueira, Port  IN61  40w   Dipole
      C
50.0325       ZD8VHF     Ascension Island II22  50w   Vertical
      C
50.033        LU8YYO     Argentina                       C
50.034        ZB2VHF     Gibraltar                       C
50.035        ZS3VHF     Rep. of South Africa        60w   Vertical
      C
50.039        FY7THF     Kourou, French Guyana GJ35  100w  Grnd Plane
      C
50.040        CX8BE      Montevideo, Uruguay   GF15  10w   4L yagi
      I
50.043        KB8RO/KP4 Puerto Rico
50.045        DL3ZM/YV5 Caracas, Venezuela     FK60  10w   6L yagi
      C
50.045        OX3VHF     Simiutaq, Greenland   GP60  20w   Grnd Plane
      C
50.050        GB3HNQ     Potters Bar, England  IO91  15w   Dipoles
      C
50.050        ZS6DN      Irene, South Africa   KG44
      C
50.055        ZS6LN      Rep. of South Africa  KG46
      I
50.0575       TF3SIX     Iceland     HP94  50w   Vertical
      C
50.060        GB3RMK     Rosemarkie, England   IO77  20w   Dipole
      C
```

```
50.060        K4TQR      Birmingham, Ala  EM63  1w    Dipole@60'
     C
50.060        WA8ONQ     Middletown, Ohio EM79  2w    T-stile@50'
     C
50.060        W5VAS      Slidell, La      EM50  .5w   Vert.@310'
     C
50.061        K1NFE      Burlington, Ct   FN31  15w   T-stile@70'
     C
50.062        PY2AA      Sao Paulo, Brazil    GG66  25w   Grnd Plane
     C
50.062        W3VD   Laurel, Md       FM19  10w   Vert.@40'
     C
50.0625       GB3NGI     Londonderry, England IO65  18w   Dipole
     C
50.063        N4PZ   Sarasota, Fla        EL87  .4w   Whip@70'
     C
50.063        K6MYC/KH6 Kona, Hi      BK29  10w   yagi    I
50.064        WD7Z   Yucca, Az        DM24  75w   Squalo@60'
     C
50.064        W5WF               EM11
50.065        NB3O/1     RI           FN41  100w  5L yagi
     C
50.065        W9KFO      Eaton, Ind       EN70  1.5w
     C
50.065        KA0CDN     Aurora, Co       DM79  20w   Halo@30'
     C
50.065        W0IJR      Aurora, Co       DM79  20w   Halo@30'
     C
50.065        KL7WE      Anchorage, Ak        BP51  1.5w  3L yagi
     I
50.0655       GB4HXJ     St. Helier, England  IN89  10w   Halo
     C
50.066        VK6RPR     Perth, Australia OF78  20w   Horizontal
     C
50.067        WA1OJB     Bowdoin, Me      FN54  2w    J-Pole@15'
     C
50.067        WB8IGY     Loveland, Ohio   EM79  2w    Vert.@100'
     I
50.067        N7DB   Boring, Ore      CN85  10w   Halo@30'
     I
50.067        W0BJ   North Platte, Neb    DN91  5w    T-stile@12'
     C
50.067        W4RFR      Nashville, Tenn  EM66  2w       C
50.068        W7US   Arizona                    C
50.069        W4HHK      Collierville, Tenn   EM55  1w    Dipole@30'
     C
50.069        K6FV   Woodside, Ca         CM87  100w  Various@30'
     C
50.070        KA4VEY     Harvest, Ala         EM64  10w   Vertical
     C
50.070        KB4UPI     Birmingham, Ala  EM63  4w    Dipole@25'
     C
50.070        K0HTF      Des Moines, Iowa EN31  3w    Inverted V
```

```
      C
50.070        N4LTA      Spartanburg, SC  EM94  10w   Halo@50'
      C
50.070        WA7ECY     Troutdale, Ore   CN85  10w   Squalo@30'
      C
50.070        WB0CGH     Lewisville, Tex  EM13  1.5w  Halo@180'
      C
50.070        WB4GJG     Danville, Va         FM06  1w    Ringo@70'
      I
50.071        W0VD   Alba, Mo         EM27            C
50.072        WA2YTM     Canandaigua, NY  FN12  15w   T-stile
      C
50.072        KW2T   Palmyra, NY      FN13  .25w  Squalo@30'
      C
50.074        WB5DSH     Oklahoma City, Ok    EM15  30w   Halo@40'
      C
50.074        PY2AMI     Sao Paulo, Brazil    GG67  5w    Grnd Plane
      C
50.074        WB4OSN     Florida                    C
50.075        KP4EKG     Bayamon, P.R.        FK68  10w   Vert.@35'
      I
50.075        VS6SIX     Hong Kong        OL72  30w   Grnd Plane
      C
50.077        N0LL   Smith Center, Ks EM09  21w   2xHalo@30'   C
50.077        N5JM   New Orleans, La  EL49  3w    Vert.@50'
      I
50.0775       TI2NA      San Jose, Costa Rica  EK70  20w   Dipole
      C
50.079        W6SKC/7    Nogales, Az      DM41  80w   Horiz.@15'
      C
50.080        KH6JJK     Honolulu, Hi         BL11  5w    3L yagi
      I
50.080        WB4OOJ     Tampa, Fl        EL87  10w   Vert.@25'
      C
50.080        W1AW   Newington, Ct        FN31  50w   6L yagi@60'
      I
50.082        HC8SIX     Galapagos Island EI59  4w    Vertical
      C
50.085        LU1MA      Argentina                       C
50.086        9H1SIX     Malta            JM75  25w   5L yagi
      C
50.086        K7NV   Pahrump, Nev         DM16           I
50.086        VE2STL     Val Belair, Quebec   FN46  1.5w  Dipole
      C
50.086        VP2MO      Plymouth, Montserrat FK86  10w   6L yagi@50'
      I
50.090        KJ6BZ      Johnston Island  AK56  10w   6L yagi
      C
50.090        TR8CA      Gabon                           I
50.091        J52US      Guine Bissau

50.091        9L1US      Sierra Leone
```

50.092	W5GTP	New Iberia, La	EM40	30w	3L yagi@30'	I
50.095	K7IHZ	Mesa, Az	DM43	20w	Squalo	C
50.100	HC2FG	Guayaquil, Ecuador	FI07	8w	J-Pole	C
50.100	VP5D	Turks&Caicos Island	FL31	6w	Ringo@60'	C
50.100	KG6DX	Latte Heights, Guam	QK23	40w	3L yagi	I
50.110	KG6DX	Latte Heights, Guam	QK23	40w	3L yagi	I
50.110	JA2IGY	Mie, Japan	PM84	10w	Grnd Plane	C
50.110	A61XL	United Arag Emirates	LL74	50w	6L yagi	I
50.120	4S7EA	Sri Lanka	MJ97	50w	6L yagi	I
50.321	ZS5SIX	Pietermaritzburg, RSA	KG50	10w	Halo	C
50.490	JG1ZGW	Tokyo, Japan	PM95	10w	Dipole	C
50.500	5B4CY	Zyghi, Cyprus	KM64	15w	Grnd Plane	C
50.740	CH. 1	Aukland, NZ (WBFM)				I
50.750	CH. 1	Kaukapunake, NZ (WBFM)				I
50.760	CH. 1	Kaukapunake, NZ (WBFM)				I
50.880	ZS4SA	Rep. of South Africa	KG33			I
50.904	ZS1STB	Rep. of South Africa	KF05	25w	4L yagi	C
51.020	ZL1UHF	Auckland, NZ	RF73	25w	Dipole	C
51.030	ZL2MHB	Napier, NZ	RF80	10w	Vertical	C
51.225	ZL2VHT	Inglewood, NZ	RF70	30w		C
51.740	CH. 0	Wagga, Australia (FM)				I
51.750	CH. 0	Brisbane, Australia				I
51.760	CH. 0	Melbourne, Australia				I
52.100	ZK2SIX	Niue	AH50			C
52.200	VK8VF	Darwin, Australia	PH57	20w	Horizontal	C
52.250	ZL2VHM	Manawatu, NZ	RE79	8w		C
52.310	ZL3MHF	Christchurch, NZ	RE66	50w	Vertical	C

From 7910718264215871533
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,222d3a5d46417064,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-15 15:09:59 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!newstop!sun!tenorman!jneher
From: jneher@tenorman.Sun.COM (Jonathan Neher X62863)
Newsgroups: rec.ham-radio
Subject: two antennas - one feed line?
Message-ID: <132992@sun.Eng.Sun.COM>
Date: 15 Mar 90 23:09:59 GMT
Sender: news@sun.Eng.Sun.COM
Lines: 13
Posted: Fri Mar 16 00:09:59 1990

Hello,

I own two j-pole antennas, one for 2 meters and on for 440 Mhz.
Does anyone know if there is a simple way to hook them up
to one feed line (i.e. present the appearance of
a 50 ohm, dual-band antenna to my dual-band transiever)?

Thanks,

Jonathan Neher

sun!jneher
N6XUI

From 6822257368750345779
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64d82e7158db154e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-15 15:19:00 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!vice!georgep
From: georgep@vice.ICO.TEK.COM (George Pell)
Newsgroups: rec.ham-radio
Subject: Re: PRO-2004 wierdness
Message-ID: <4831@vice.ICO.TEK.COM>
Date: 15 Mar 90 23:19:00 GMT
References: <900314135856.20201ebe@UWYO.BITNET> <8630@chaph.usc.edu>
Reply-To: georgep@vice.ICO.TEK.COM (George Pell)
Organization: Tektronix, Inc., Beaverton, OR.
Lines: 27
Posted: Fri Mar 16 00:19:00 1990

In article <8630@chaph.usc.edu> cyamamot@aludra.usc.edu (Cliff Yamamoto) writes:
+In article <900314135856.20201ebe@UWYO.BITNET> jimkirk@OUTLAW.UWYO.EDU (James Kirkpatrick) writes:
+>I just had a very strange thing happen with my PRO-2004 scanner, ...

+>I would key in 160.0 but ....it would change to 163.2768
+>
+Just that 2^15 = 32768.... Here's a wild guess but I'd say the 15th bit
+going between your keyboard and the PLL/Display circuitry was stuck as
+logic "1" causing you a bunch of grief.

I agree that it has something to do with 2^15, but it is not the PLL/Display. Data is sent via a serial to the display and to the PLL's. Keyboard inputs generate scan codes which are read by the u-proc and converted to serial words for the PLL and display, and are also converted to parallel 8 bit data and stored in memory as 4 bytes which hold the value of the 1st mixer freq and 2nd mixer freq.

I suspect a glitch in the u-proc programming. Pressing the reset button recessed on the back should re-initialize the unit. YOU WILL CLEAR ALL CHANNEL MEMORY WHEN YOU DO THIS.

If this doesn't fix the problem, you could e-mail me several examples of the freq you put in, and what it put out, and I could calculate the 1st and 2nd mixer divide values to see what is common.

good luck.

geo

From -3309174133599406047
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df3da779cb4c3e5d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-15 17:41:22 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: ic-2sat mod question
Message-ID: <30500453@ux1.cso.uiuc.edu>
Date: 16 Mar 90 01:41:22 GMT
References: <4209@cbnewsj.ATT.COM>
Lines: 20
Nf-ID: #R:cbnewsj.ATT.COM:4209:ux1.cso.uiuc.edu:30500453:000:811
Nf-From: ux1.cso.uiuc.edu!phil   Mar 15 18:40:00 1990
Posted: Fri Mar 16 02:41:22 1990

> The schematic seems to indicate that D6 is only there in the Italian version
> of the IC-2SAT. Does the Italian version offer the 108-136 band by default?

The Italian version of the IC-2GAT offers full band transmit out of the box, so this is a fairly safe assumption. Got your passport?

I suspect either the regulations or the enforcement in Italy are very lenient in this area.

> Where does one get this diode?

You don't have to use a chip diode, **IF** you can find a place to put an
ordinary "big" one in. You can get chip diodes from dealers like DIGIKEY
(call 1-800-DIGIKEY). Many chip diodes come in 3 or 4 terminal chips that
have many combinations of diodes in and out. Be sure you are getting the
correct one for what mod you are applying.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From -574379266652238764
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7fb63c886cf297f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-15 18:22:15 PST
Path: gmdzi!unido!mcsun!uunet!deimos.cis.ksu.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Forgiving the League for Incentive
Message-ID: <30500451@ux1.cso.uiuc.edu>
Date: 16 Mar 90 02:22:15 GMT
References: <9003091756.AA04315@ti.com>
Lines: 25
Nf-ID: #R:<9003091756.AA04315@ti.com>:-27:ux1.cso.uiuc.edu:30500451:000:929
Nf-From: ux1.cso.uiuc.edu!phil   Mar 15 15:31:00 1990
Posted: Fri Mar 16 03:22:15 1990

> Phil Howard says
> > I disagree with the concept of making privileges a reward. This makes
> > it something like a prize.
>
> My Webster's defines privilege as "a right or benefit granted as a peculiar
> advantage or favor". Phil may not agree with the concept, but until the meaning

NO!! I agree with the Webster's definition.

What I am saying is that we are actually TREATING privileges as DIFFERENT
than the Webster's definition.

> of the word changes, I guess we'll all have to live with it, or quit calling
> our amateur activities privileges and call them something else.
> In my opinion, I think "privileges", as defined by the dictionary, fits the
> situation perfectly.

We agree on the definition, but we disagree on whether the current activity
meets this definition. You say it does and I say it does not.

I believe we should make it match the definition.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From 2528248619606026714
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,222d3a5d46417064
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-15 18:28:33 PST
Path: gmdzi!unido!mcsun!uunet!deimos.cis.ksu.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: two antennas - one feed line?
Message-ID: <30500452@ux1.cso.uiuc.edu>
Date: 16 Mar 90 02:28:33 GMT
References: <132992@sun.Eng.Sun.COM>
Lines: 23
Nf-ID: #R:sun.Eng.Sun.COM:132992:ux1.cso.uiuc.edu:30500452:000:951
Nf-From: ux1.cso.uiuc.edu!phil   Mar 15 18:35:00 1990
Posted: Fri Mar 16 03:28:33 1990

> I own two j-pole antennas, one for 2 meters and on for 440 Mhz.
> Does anyone know if there is a simple way to hook them up
> to one feed line (i.e. present the appearance of
> a 50 ohm, dual-band antenna to my dual-band transiever)?

If your two antennas present an INFINITE impedence at the T point on the opposite frequency, then you can directly connect them. However this is very unlikely.

What you need is a duplexer at the antenna. This device splits the RF based on freqeuncy. Larsen and Diamond make them and others probably do as well. Any dealer worth their salt carries one of these.

If your dual-band radio has ONE RF connection, then it has an internal duplexer. An example is the ICOM IC-3210. If not, then you will need another duplexer at the radio end. Certainly you need this if you are using a pair of single band radios.

Typical duplexer costs are in the $50 ballpark.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From -4922607997858614908
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-10 20:07:16 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!

wuarchive!texbell!ark!lrark!rick
From: rick@lrark.UUCP (Rick Mobley)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Summary: The hard way
Message-ID: <172@lrark.UUCP>
Date: 11 Mar 90 04:07:16 GMT
References: <9003051529.AA05504@pelham.med.unc.edu>
Reply-To: rick@lrark.UUCP (Rick Mobley)
Organization: LRTUG - Little Rock Tech User Group - Little Rock, Arkansas.
Lines: 34
Posted: Sun Mar 11 05:07:16 1990

In article <9003051529.AA05504@pelham.med.unc.edu> pswecker@med.unc.edu (Peter St.Wecker) writes:

> Well, I finally passed my 5wpm, and am going to take the novice and
> tech. tests (and maybe the general) tonight!

Congratulations! Welcome to the ranks.

> I'm continuing to work on my code speed towards the magic 13wpm, but
> I'd like to get people's opinions on how best to do it. I'm using the
> SuperMorse program on an IBM-PC (it's great), but I'm not sure of the best way
> to proceed. Some people suggest that I start building up from 5 to 7 to 10 to
> 13, while others seem to suggest starting right away at 13 (or even 20!).
> While different methods propbaly work for differnt people, I'm curious
> to see how most of you went about it.

I learned the code starting at 5 then 10 then 15 then 25 then later 55.
By learning it in steps I don't have trouble copying even the slowest of signals.

I have taught it both ways. I prefer the steps, but it takes longer. If you learn it listening to fast characters spaced out slow, you will have trouble copying slow code.

> Thanks!
> -- Peter

Just my own methods!

73 - Rick.

```
--
Ricky L. Mobley, WB5FDP | Mail) ...!uunet!wugate!      |    CIS: 70505,1157
1800 Sanford Drive #4   | Path)     wuarchive!texbell! | PACKET: WB5FDP @ WD5B
Little Rock, AR 72207   |           ark!lrark!rick     |   XBBS: (501) 224-9454
```

From 6139665050303952868
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5948287f3c148ce8,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-10 20:56:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!ucsd!nosc!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley__Wb6wui)
Newsgroups: rec.ham-radio
Subject: Re: ACC's RC-850 repeater
Message-ID: <1797@crash.cts.com>
Date: 11 Mar 90 04:56:02 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 29
Posted: Sun Mar 11 05:56:02 1990

graham.newton@canremote.uucp (GRAHAM NEWTON) writes:
>I would be really interested to hear what "bugs" you have found in the
>RC850 firmware. I bought one of the earliest RC850's for VE3TRO here in

We have had numerous lockups. Must energize the software reset code to reset the controller. We have a clandestine call sign that shows up as WB6AAX (or similar, think it's the guy at ACC). A bug fixed in V3.41 was not being able to voice over-ride a list of mail box msgs. So in V3.42, ACC tried to fix it and now trying to voice over-ride (key-up during listing), the controller switches to CW call signs. We also have the word 'safe' showing up in call slot 33 even thou it is programmed with a valid call sign. This is intermitent. Ok, that's some of the buggers I've found. There's more less apperent bugs, I'll dig them up and post them soon. Also, the ACC notes used to be great reading. Now, seldom published, the notes are more or less a quarterly broshure of ACC products, kinda like to 'cutesey DAK catalog. But ,at least, ACC went to the trouble,time,expense to publish a good newsletter in the beginning.

So much for the bitchin'. The 850 is still, as afar as personal experience, the finest repeater controller available. I wish our club had the money to buy the DVR, computer interface, IC-900 interface, and all the other available options. But, alass, bongo dollars. Hence the desire for a more afordable controller with the same abilities on a PC based system. Any ideas?

```
***************************************************************************
Mike Shirley, WB6WUI          INET: mikey@pnet01.cts.com
PO Box 460, Lakeside, CA      ARPA: crash!pnet01!mikey@nosc.mil
            92040-0460        UUCP: {hplabs!hp-sdd nosc}!crash!pnet01!mikey
***************************************************************************
```

From -946362079988372053
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b19c0b47dcd28ff
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-10 21:28:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!mailrus!cs.utexas.edu!uwm.edu!zaphod.mps.ohio-state.edu!wuarchive!texbell!ark!lrark!rick
From: rick@lrark.UUCP (Rick Mobley)
Newsgroups: rec.ham-radio

Subject: Re: Six Meter R/C Channel Info Request
Summary: Old information
Message-ID: <173@lrark.UUCP>
Date: 11 Mar 90 05:28:02 GMT
References: <4590033@hplvli.HP.COM>
Reply-To: rick@lrark.UUCP (Rick Mobley)
Organization: LRTUG - Little Rock Tech User Group - Little Rock, Arkansas.
Lines: 20
Posted: Sun Mar 11 06:28:02 1990

In article <4590033@hplvli.HP.COM> chris@hplvli.HP.COM (Chris Kelly) writes:
> Can somebody please post a list of Radio Control frequencies
> for the Six Meter Band? I know that the ARRL repeater Directory
> Band Plan lists 50.80-50.98 (by 20 KHz) but I also remember
> a comment that the ARRL Bandplan does not reflect reality
> as recognized by the rest of the country. Please post any
> clarification, and thanks.......73 de WD5IBS

I have been out of RC'ing for about 8 years now, but my gear is still
crystalled up on 6 meters. At that time the standard frequencies were:

53.1, 53.2, 53.3, 53.4 and 53.5

No doubt this has all changed..

--
Ricky L. Mobley, WB5FDP | Mail) ...!uunet!wugate! | CIS: 70505,1157
1800 Sanford Drive #4 | Path)   wuarchive!texbell! | PACKET: WB5FDP @ WD5B
Little Rock, AR 72207 | ark!lrark!rick | XBBS: (501) 224-9454

From 3549666198066770714
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,918380a31a09250,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-10 21:56:02 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!ucsd!nosc!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley__Wb6wui)
Newsgroups: rec.ham-radio
Subject: Fugitsu Ten UHF 16 channel commercial radio mod info needed
Message-ID: <1798@crash.cts.com>
Date: 11 Mar 90 05:56:02 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 13
Posted: Sun Mar 11 06:56:02 1990

I have a Fujitsu Ten 450-470 commercial tranceiver (model # FTM40-3092H). This is
a 16 channel scanning synthesized mobile radio.

I'm looking for a way to be able to program the radio down into the ham band. It
currently on 453 Mhz. I have the programming prom for the radio and, of

course, it will not allow entry of freqs below 450. I called Fujitsu and you can guess what their response was after they figured out that I had a programming prom. So here I am. This is a nice radio and I only have limited use of it in the commercial segment. If anyone knows any way to get around the programming restriction, I'd appreciate any responses.

```
***************************************************************************
Mike Shirley, WB6WUI          INET: mikey@pnet01.cts.com
PO Box 460, Lakeside, CA      ARPA: crash!pnet01!mikey@nosc.mil
            92040-0460        UUCP: {hplabs!hp-sdd nosc}!crash!pnet01!mikey
***************************************************************************
```

From -8539854472926035819
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9321722e2466d0cd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-11 00:41:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!ohstpy!ormsby
From: ormsby@ohstpy.mps.ohio-state.edu
Newsgroups: rec.ham-radio
Subject: re: re: 16:1 transformer
Message-ID: <8080.25f9c901@ohstpy.mps.ohio-state.edu>
Date: 11 Mar 90 08:41:53 GMT
Lines: 8
Posted: Sun Mar 11 09:41:53 1990

A transformer is designed so that the voltage on the secondary does not drop appreciably under load. This requires the use of an iron core to reduce leakage. The number of windings in the primary is determined by the size and type of the core as well as the frequency involved (60 hz on the main). As a general rule, small tranformers have about 8 turns per volt on a 1 inch square cross section core per volt and a magnetic path of 10 inches or so. Of course the turn ratio will be whatever is desired by matching impedances to the load.

From 8645626849327153756
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1a492dc8df2f5d1,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,a1a492dc8df2f5d1,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-03-11 02:47:29 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!apple!uokmax!nsslsun!bateman
From: bateman@nsslsun.gcn.uoknor.edu (Monte Bateman)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: Cushman CE-7 Manual Needed!
Summary: Help finding a manual
Keywords: Cushman, CE-7, Manual, Plug-Ins
Message-ID: <1990Mar11.104729.16005@uokmax.uucp>

Date: 11 Mar 90 10:47:29 GMT
Sender: usenet@uokmax.uucp (Nets)
Organization: National Severe Storms Laboratory
Lines: 17
Xref: gmdzi rec.ham-radio:10127 sci.electronics:5631
Posted: Sun Mar 11 11:47:29 1990

*** WANTED ***

Manual (Service, User's or both!)

for Cushman CE-7, and/or the Cushman 302 & 303 plug-ins.

Will gladly pay all duplicating and mailing costs.

Please e-mail; any help is appreciated!

Monte Bateman
WB5RZX @ WB5RZX
bateman @ nsslsun.gcn.uoknor.edu
National Severe Storms Laboratory, Norman, OK! 73069

From 2355357783342179066
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,346f1bff90975e86
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-11 09:39:42 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!uwm.edu!cs.utexas.edu!asuvax!stjhmc!f1.n234.z1.fidonet.org!Jim.Grubs
From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: NPRM 90-55 - No test code priviledg
Message-ID: <14468.25FA9245@stjhmc.fidonet.org>
Date: 11 Mar 90 17:39:42 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 25
Posted: Sun Mar 11 18:39:42 1990

> From: michaelb@mikebat.UUCP (Michael R. Batchelor)
>
> In article <30500438@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
> >
> > >   International reg's
> > > only require a knowledge of CW for HF operation.
> >
> > I believe they required demonstrating such knowledge in advance
>

>
> International regs require knowledge of code for INTERNATIONAL
> communications
> pivileges, NOT for operations below 30 MHz. Witness the dreaded CB'ers.
> They operate below 30 MHz (some of them legally) and are not required to
> pass
> a code test.

The code is specifcally required for HF operation by amateurs - not land
mobile, which is what CB is technically.

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

From -9214615454258463834
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bf86a3b5e0d4e37f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-11 09:39:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!uwm.edu!cs.utexas.edu!asuvax!
stjhmc!f1.n234.z1.fidonet.org!Jim.Grubs
From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Broadcasting Video from RC Plane
Message-ID: <14469.25FA9246@stjhmc.fidonet.org>
Date: 11 Mar 90 17:39:55 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 17
Posted: Sun Mar 11 18:39:55 1990

> From: rfc@popeye.Philips.Com (Robert Casey)
>
> Instead of using an RC plane with a TV camera to spot fish, maybe a
> tethered
> balloon with the camera would work.

Or maybe one of those anti-aircraft barrage ballons that look like a miniature
diribible. It's pointy and has tail fins. It would tag along behind a moving
boat like a well trained puppy.

73 de Jim Grubs, W8GRT

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

From -5027617617966221342
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7fb63c886cf297f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-11 09:41:13 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!mephisto!gatech!kd4nc!ke4zv
From: ke4zv@kd4nc.UUCP (Gary Coffman)
Newsgroups: rec.ham-radio
Subject: Re: Forgiving the League for Incentive Licensing
Message-ID: <4063@kd4nc.UUCP>
Date: 11 Mar 90 17:41:13 GMT
References: <9003091756.AA04315@ti.com>
Reply-To: ke4zv@kd4nc.UUCP (Gary Coffman)
Organization: none
Lines: 27
Posted: Sun Mar 11 18:41:13 1990

In article <9003091756.AA04315@ti.com> dube@cpdvax.csc.ti.com (DUBE TODD) writes:
>"Forgiving" presupposes that the forgivee has done harm. Tell me what's wrong
>with incentive licensing....or incentive anything else for that matter. While
>there are those who obviously don't like the League, this shouldn't be taken
>as evidence that it is the Evil Empire.
>
>73,
>Dube Todd,   N5PDK

Since 1968 when incentive licensing went into effect, the number of new amateurs as a percentage of the increase of general population has declined every year except one. From 1946 until 1968 the number of new amateurs was increasing faster than the rate of general population growth. From 1968 to 1972 over a dozen old line American amateur radio equipment manufacturers went out of business. Since I was there (first licensed in 1963), my opinion is that incentive licensing is directly responsible for halting the growth of amateur radio in this country. Like many of my peers who held the General class license (which was THE license and conferred ALL privledges before 1968), I found other things to occupy my limited spare time than amateur radio after I was told I had to take two more tests to get BACK what I had already earned. The advent of packet and satellites finally caused me to grit my teeth and upgrade. In my opinion there should be ONE class of license; AMATEUR. Paper chasing, whether it be DXCC or INCENTIVE licensing, is a disease and the cause of most of the problems in amateur radio, and perhaps in American society in general.

73 Gary KE4ZV

From -9016792336328791252
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c42dc9b4349291d3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-11 10:13:00 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!rpi!zaphod.mps.ohio-state.edu!lavaca.uh.edu!uhnix1!texbell!merch!cpe!techsup!kenb

From: kenb@techsup.UUCP
Newsgroups: rec.ham-radio
Subject: hp/harrison 6206b info?
Message-ID: <400020@techsup>
Date: 11 Mar 90 18:13:00 GMT
Lines: 17
Nf-ID: #N:techsup:400020:000:478
Nf-From: techsup.UUCP!kenb   Mar 11 12:13:00 1990
Posted: Sun Mar 11 19:13:00 1990

...

i have an h.p. "harrison 6206b" dc power supply. works great!
unfortunately, i have no documentation on it. there seem to be
lots of jumper selectable options -- but without info...

btw, this is a 0-60 volt 1.2 amp supply manufactured, i'd guess,
in the early 1970's.

any info would be greatly appreciated. naturally, i'm willing to
pay any copy and/or mailing costs. thanks guys...

ken brookner, n5lpi

uucp: ...!texbell!techsup!kenb
kenb@techsup.lonestar.org

From 3375394907034100274
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,30f5562528c87d6f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-11 10:23:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!tut.cis.ohio-state.edu!
usenet.ins.cwru.edu!mephisto!gatech!kd4nc!n4hgf!wht
From: wht@n4hgf.uucp (Warren Tucker)
Newsgroups: rec.ham-radio
Subject: Goldwater on _Firing Line_
Keywords: plug for ham radio
Message-ID: <640@n4hgf.uucp>
Date: 11 Mar 90 18:23:53 GMT
Organization: Amateur Radio Station N4HGF, Mountain Park, GA
Lines: 10
Posted: Sun Mar 11 19:23:53 1990

Barry Goldwater was on William F. Buckley's _Firing Line_ today.
When saying he some insight into the feelings of the Soviet people,
he mentioned amateur radio. I hate to paraphrase ... I wish I had
taped the program. He said something like: With my understanding
of what the Soviets feel, you know I am an amateur radio operator,
and I talk to them, not a lot, but some ...

Warren Tucker, Tridom Corporation   ...!gatech!kd4nc!n4hgf!wht
E = I * R, if you're lucky, and only then on alternate Tuesdays.

From -7929254444196817128
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1adeef9379fd36ff
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-11 10:51:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!tut.cis.ohio-state.edu!
zaphod.mps.ohio-state.edu!sunybcs!bowen
From: bowen@cs.Buffalo.EDU (Devon Bowen)
Newsgroups: rec.ham-radio
Subject: Re: Misc. DX QSL Information - Fall/Winter 1989/90
Message-ID: <19214@eerie.acsu.Buffalo.EDU>
Date: 11 Mar 90 18:51:00 GMT
References: <9003091432.AA22914@decwrl.dec.com>
Sender: nobody@acsu.Buffalo.EDU
Reply-To: bowen@cs.Buffalo.EDU (Devon Bowen)
Organization: State University of New York at Buffalo/Comp Sci
Lines: 12
Posted: Sun Mar 11 19:51:00 1990

In article <9003091432.AA22914@decwrl.dec.com>,
reisert@victim.enet.dec.com (Jim -- LTN1-2/H03 -- DTN 226-6905
09-Mar-1990 0933) writes:
> I do, I do. Apparently Stu hasn't updated his callbook address yet, or the
> on-line callbook doesn't have the latest information, a more likely story,
> since I've seen this sort of thing time and time again.

Marvin's server (and probably any server that got its data from Rusty) is
updated once a year around October. More frequent updates are not possible
due to lack of financial support.

Devon

From -3684556189747606171
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,279a863ef0c4b9ce,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-11 14:12:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-
state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: 10m Beacon list
Message-ID: <1453@n8emr.UUCP>
Date: 11 Mar 90 22:12:35 GMT
Sender: news@n8emr.UUCP
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5

Lines: 110
Posted: Sun Mar 11 23:12:35 1990

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|         Relayed from packet radio via                 |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
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The following 10 meter beacon list has been compiled and maintained by Joe Gumino (K2OLG). If you have any corrections, additions or deletions please direct them to me (WA2ZYU @ KB1BD-4) and I will forward them to Joe. Thank you for your interest and response to this list in the past. Joe and I shall work to keep it current.......agn tnx & 73.

10 METER BEACON'S de K2OLG   2/19/90   Part 1

Edited and distributed under OKIPN by N8GTC

FREQ.	CALL	OPERATION	LOCATION	NOTES
28.175	VE3TEN	C	OTTAWA, CANADA	10W, GP
28.191	VE6YF		EDMONTON, ALBERTA	10W
28.195	IY4M	ROBOT	BOLOGNA, ITALY	20W, 5/8 GP
28.200	GB3SX	C	CROWBOROUGH, ENGLAND	8W, DIPOLE
28.201	LU8ED		ARGENTINA	5W
28.202	KE5GY		ARLINGTON, TX	5W, VERTICAL
28.2025	ZS5VHF		NATAL, RSA	5W, GP
28.204	DL0IGI	C	W. GERMANY	100W, VERT. DIPOLE
28.205	KA3OEM		MEADVILLE, PA.	27W, YAGI/WEST
28.206	KJ4X		PICKENS, SC	2W, VERTICAL
28.2075	W8FKL	C	VENICE, FLA	10W, VERT.
28.208	WA1IOB	C	MARLBORO, MASS	75W, VERT.
28.209	NX2O	C	STATEN ISLAND, NY	10W, GP
28.210	3B8MS	C	MAURITIUS	GP
28.210	K4KMZ	I	ELIZABETHTOWN, KY.	20W, VERT.
28.210	KC4DPC	C	WILMINGTON,NC	4W, DIPOLE
28.212	EA6RCM		PALMA DE MALLORCA	4W, 5 EL NNE
28.2125	ZD9GI	C	GOUGH IS.	GP
28.215	GB3RAL	C	SLOUGH, BERKSHIRE	20W, GP
28.2175	W8UR		MACKINAW ISLAND,MI	.5W, GP
28.2175	WB9VMY	C	CALUMET, OK.	2W, DIPOLE
28.2195	LU4XS		CAPE HORN	
28.220	5B4CY	C	CYPRUS	26W, GP
28.221	PY2GOB		SAN PAULO, BRAZIL	15W, VERT.
28.222	W9UXO	C	NR CHICAGO, ILL.	10W, GP
28.2225	HG2BHA	C	TAPOLCA, HUNGARY	10W, GP
*28.225	PY2AMI	C	SAO PAULO, BRAZIL	5W, DIPOLE
28.2275	EA6AU	C	MALLORCA, BALEARIC IS.	10W, 5/8 GP
28.230	ZL2MHF	C	MT. CLIMIE, NZ.	50W, VERT. DIPOLE
28.232	W7JPI/AZ	C	SONOITA, ARIZ.	5W, 3 EL YAGI NE
28.233	KD4EC	C	JUPITER, FLA.	7W, GP
28.235	VP9BA	C	HAMILTON, BERMUDA	10W, GP

28.2375	LA5TEN	C	OSLO, NORWAY	10W, 5/8 GP
28.2405	5Z4ERR	C	KIAMBU, KENYA	
28.245	A92C		BAHRAIN	NW/SE DIPOLE
28.2455	ZS1CTB	C	CAPETOWN, RSA	20W, 1/4 VERT.
28.247	EA3JA		BARCELONA, SPAIN	
28.2475	EA2HB	I	SPAIN	6W, GP
28.248	K1BZ	C	BELAST, MAINE	5W, VERT. DIPOLE
28.250	W3SV	C	ELVERSON, PA	10W, VERT.
28.250	K0HTF	C	DES MOINES, IA	2W, GP
28.250	Z21ANB	C	BULAWAYO, ZIMBABWE	15W, GP
28.2505	4N3ZHK	C	MT. KUM, YUGOSLAVIA	1W, VERT.
28.252	WJ7X	C	SEATTLE, WA	5W, RINGO
28.252	WB4JHS	I	FLORISSANT, MO.	7W, VERT.
28.2525	OH2TEN		FINLAND	
28.255	LU1UG		GRAL PICO, ARGENTINA	5W, GP
28.2575	DK0TEN	C	ARBEITSGEN, W. GERMANY	40W, GP
28.259	WB9FVR	C	PEMBROKE PINES, FLA.	1W, DIPOLE
28.260	VK5WI	C	ADELAIDE, SA, AUSTRALIA	10W, GP
28.262	VK2RSY	C	SYDNEY, NSW, AUSTRALIA	25W, GP
28.264	VK6RWA	C	PERTH, WA, AUSTRALIA	
28.266	VK6RTW	C	ALBANY, WA, AUSTRALIA	
28.266	KB4UPI	C	BIRMINGTON, ALA	20W, 1/4 VERT.
28.2685	W9KFO	I	EATON, ILL	750MW, VERT.
28.270	ZS6PW	C	PRETORIA, RSA	10W, 3 EL YAGI
28.270	VK4RTL	C	TOWNSVILLE, QLD, AUSTRALIA	
28.2725	9L1FTN	I	FREETOWN, SIERRA LEONE	10W, VERT. DIPOLE
*28.2745	ZS1LA		STILLBAY, RSA	20W, 3 EL YAGI NW
28.275	AL7GQ	C	DENVER, CO	1W, LOOP
28.2755	N6RDX	I	STOCKTON, CA	20W, 3 EL YAGI
28.2775	DF0AAB	C	KIEL, W. GERMANY	10W, GP
28.280	LU8EB		ARGENTINA	5W
28.282	VE1MUF	C	FREDRICKTON, NB, CANADA	500MW, DIPOLE
28.282	VE2HOT	C	BEACONSFIELD, QUE	5W, VERT DIPOLE
28.2825	OK0EG	C	HRADEC KRALOVE	10W, DIPOLE
28.284	VP8ADE	C	ADELAIDE IS, NR ANTARCTICA	8W, V BEAM TO G LAND
*28.286	KE2DI		NR ROCHESTER, NY	2W, VERT. DIPOLE
28.286	KK4M	C	LAS VEGAS, NEV.	5W, VERT.
28.287	W8OMV		NR ASHVILLE, NC.	5W, GP
28.287	H44SI	C	SOLOMON IS.	15W
28.288	W2NZH	I	MOORESTOWN, NJ	3W, GP
28.290	SK5TEN		SWEDEN	
28.290	VS6TEN	C	HONG KONG	10W, VERT.
28.292	ZD8HF		ASCENSION ISLAND	
28.2925	LU2FFV		SAN JORGE, ARGENTINA	5W, GP
28.295	WC8E	I	CINCINNATI, OHIO	10W, RINGO
28.296	W3VD	C	LAUREL, MARYLAND	1.5W, VERT. DIPOLE
28.297	WA4DJS	I	FT. LAUDERDALE, FLA	30W, GP
28.301	KF4MS	C	ST. PETERSBURG, FLA	5W
28.3025	PT7AAC		FORTALEZA, BRAZIL	5W, GP
28.306	PT8AA		RIO BRANCO, BRAZIL	5W, GP
28.315	ZS6DN	C	IRENE, RSA	100W, VERT.
28.888	W6IRT		HOLLYWOOD, CA	5W, GP CODE PRACTICE
28.992	DF0ANN		MOTITZBERG, W. GERMANY	20MW, 1 EL DELTA LOG

* REVISION
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From 4742044274302396384
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b697cfe71f806f70,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-11 14:23:06 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: QEX - Mar 90
Message-ID: <1455@n8emr.UUCP>
Date: 11 Mar 90 22:23:06 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 426
Posted: Sun Mar 11 23:23:06 1990

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|         Relayed from packet radio via                      |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
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QEX - The ARRL Experimenter's Exchange - March 1990
Gateway Column

Conducted by: Stan Horzepa, WA1LOU

PROTOTYPE 905-MHZ DIGITAL RADIO COMPLETED

The first prototype 905-MHz "user" digital radio has been completed. The intent of the prototype phase was to arrive at a reproducible design using readily available components which could provide good performance at low to moderate cost. These radios are intended to provide moderate speed, 250 to 500 kbit/s, user access to an Amateur Radio network.

The prototype radio consists of four boards, PA, LO, RX and TX, mounted on a U-shaped chassis. This modularity was used to facilitate design; the pilot run design will be more integrated. The present effort involves laying out two PC boards, one for the PA and another containing the entire low-power radio, power and control circuits. It all appears to fit in a 5- x 7-inch enclosure with a top consisting entirely of a heat sink. Interface to the radio is differential ECL: TXD, RXD, RTS, DCD and S-meter output, antenna connecor and 12 V dc @ 0.3A on receive and under 4A on transmit.

An attempt was made to produce local oscillator signals of good signal purity and stability. This was thought to be important since similar radios will probably be used in the near term at backbone IP switch sites and will need to operate in congested RF environments. There has also been some thought given to full- duplex operation of this hardware, but such operation is not being considered at this time. Dual outputs of +10 dB at approximately 96 MHz and 764 MHz are provided for transmitter and receiver mixing. Both output frequencies are derived from a single crystal oscillator. Spurious signals are below -80 dB.

Transmitter output power is in excess of +41 dB (12 watts) with modulation related sidebands down at least 70 dB (at 250 kbauds, modulation index equal to 1.4) at the edges of a 2-MHz wide, 905-MHz centered channel with out of band spurious performance also over 70 dB down (this excludes the second harmonic which is approximately -60 dB). Suppression of adjacent-channel interference is achieved by control of the deviation and an active filter ahead of the VCO tuning input. The VCO is presently free running at 45 MHz and doubly converted up to 905 MHz. This provides 905-MHz output frequency stability and accuracy essentially the same as that of the 45-MHz VCO alone. This performance seems acceptable, but alternative plans are being considered for providing complete crystal derived frequency accuracy along withfast transmit start-up and 0.5 Mbaud sorts of modulation, if necessary. The present architecture has the advantage of being easily adapted to transverter operation by a slight change of the crystal frequency and the substitution of a multimode HF transceiver for the 45-MHz VCO and receiver demodulator circuits.

The receiver has good BER down to below -90 dB. Turnaround time is better than expected. Since adding a little design effort to the switching circuits, it is now possible to square-wave modulate the RTS (PTT) line at rates of several kilohertz and generate a clean RF square wave at full power. In between these square-wave 12-watt output pulses, the receiver is able to demodulate a -90 dBm signal applied to the same antenna connector (with a 30-dB power attenuator inserted to protect the signal generator). The receiver is fully alive less than 40 microseconds after the falling edge of RTS. It is truly a "packet radar" and calculations show that with an 8-foot TVRO dish antenna or something similar, the radio should be able t copy its own packets reflecting off a 747 aircraft at a 4 to 10 miles distance. In normal use, the radio should easily be back on receive before the previously transmitted packet has reached a distant node.

The first pilot run is expected to be twelve radios and will undoubtedly reveal some areas where change can improve performance and reduce cost. Some thought is being given to a "one-board" lower power radio which can plug into a PC slot. To reduce cost, such a radio might use the phased-lock of an on- hannel FSKed VCO instead of the dual conversion approach.

PC board design is presently in progress for the pilot run radios. It is anticipated that these will initially be used as backbone/switch radios as well as for user access radios as a part of the prototype Northern California moderate speed IP network now being constructed. Plans have not yet solidified for construction of additional radios, but it is expected that the next design effort will be aimed at providing similar radios for ee digital allocations at 1249, 1251 and 1298 MHz.

by Glenn Elmore, N6GN

TEXNET-TNC 2 FIRMWARE ON THE HORIZON

Some of you may have heard rumors of the effort to transport the TexNet software to TNC 2s, which would support smaller "feeder" networks to link to the larger long-haul backbone networks, among other uses. This effort continues and second beta testing is underway and going very well. No releases are yet available.

from Texas Packet Radio Society Quarterly Report

QEX - The ARRL Experimenter's Exchange - March 1990 - Part 2 of 5
Gateway Column

MICROSAT SOFTWARE DEVELOPMENT REPORT

Some of you might be wondering what we (Harold Price, NK6K, and Bob McGwier, N4HY) are doing with the MICROSATs and why you can't connect up yet.

The development cycle for these launches was very short. Most of the time available for software development, beyond getting the basic operating system and I/O drivers running, was in writing support code for ground-based hardware heck-out. A fully operational CPU wasn't mated to a fully operational spacecraft until very late in the game. After that, much of the available software time went into qualifying the ROM-based bootloader. Given the short time available, the goals were to:

l) Check out all of the hardware on the ground.

2) Have the best chance possible of getting good telemetry as soon as possible once the spacecraft reached orbit.

This resulted in a limited-feature, but very reliable set of launch support software. This is the sftware that was running when the transmitter-on commands were sent.

Once the satellites were in orbit, several shortcomings in the high-level software loader and the battery management routines were seen. Bob and I have been working to fix these, in addition to commissioning the ground-stations which have never talked to MICROSATs before, and spacecraft which have never talked to the ground before, times 4. Once procedures are worked out, they are documented so that new command stations can be broughton line.

Here is a typical day in the life of Bob and Harold. Each day has been like this since launch (times approximate).

1200-1600 UTC: Bob wakes up, reads the mail from Harold for the previous night's passes, copies the early passes, checks the action of the software loaded last night, reconfigures the spacecraft as required, finishes testing the new command and control software for the next spacecraft, and sends it to Harold.

1500-1800 UTC: Harold wakes up, reads the mail from Bob, gets the new command andcontrol software from Bob, integrates it with the new loader code, and tests it on the spacecraft CPU simulator.

1800-2000 UTC: Harold goes to TRW, starts the upload of the new software to the spacecraft (this is a bit tricky, which is why a new loader is being sent). The TRW ARC crew tapes or copies the other spacecraft in real-time. Harold reviews all of the telemetry for all of the spacecraft.

2200 UTC: Harold sends .EXE, which was partially uploaded to Bob to finish the uploading, sens a list of the diagnostic variables to the WEBERSAT ground-station crew to download on their next orbits or calls them to coordinate the use of uplinks to allow the WEBERSAT ground-station crew to access their experiments.

2200 UTC: Bob prepares and tests the new command and control software for the next spacecraft. Harold works on making the ground upload software distribution. The WEBERSAT ground-station crew tests the final camera code on the software simulator at Weber in preparation for it sending to Harold to run on the hardware simulator.

0100-0400 UTC: Bob completes the upload of the new software, prepares the source code for the next spacecraft for the start of the new cycle, answers fan mail, and calls Harold to confirm that the software is uploaded.

0400-0600 UTC: Harold goes back to TRW, holds his breath, tells the spacecraft to terminate the old program and start the new one, calls Bob to discuss the day, and gets a call from Weber on the diagnostic values. Bob goes to bed.

0600-0800 UTC: Harold and the TRW ARC crew tape or copy the other spacecraft in real-time and review all of the telemetry for all of the spacecraft. Harold puts the status message on Telemail.

1200 UTC: Bob wakes up and starts again.

Coming events: Harold and Bob polish their resumes as the above schedule leaves no time to pick up their pay checks, let alone do work.

Once the basic hardware is checked out and the batteries are in good shape, this frantic schedule will change. And once the loader and command software are tweaked fr the last time, they will be turned over to the production command groups, hopefully by the beginning of February.

The next goal is to load the application software. Weber will be ready to do that in a few days. I have to take a business trip and more development needs to be done, which will delay the uploading of the first user-access software until late February. This will allow time for the final hardware check-out, which will include memory tests on the 8-Mbyte of mass memory, determintion of the channel center frequencies, required uplink power, and the like.

by Harold Price, NK6K

QEX - The ARRL Experimenter's Exchange - March 1990 - Part 3 of 5
Gateway Column

SOFTWARE FOR THE PACKET-RADIO STATION

Lately, a lot of new and updated software for the packet-radio shack has become available. A synopsis of these programs follows.

APLink Version 3.94, the IBM PC AMTOR mailbox/packet-radio BBS software package, fixes a minor bug in the packet-radio log-off routine. The software is available on disk from TAPR.

Atari TCP/IP (KA9Q's NET) has been released by PE1CHL in a new version for the Atari computer. It is available directly from PE1CHL, however, TCP/IP fans in the US can obtain it by sending two double-sided or three single-sided disks, a self-addressed stamped disk mailer and a note stating what you want to Mike Curtis, WD6EHR, 7921 Wilkinson Ave, North Hollywood, CA 91605- 2210.

from Julian Macassey, N6ARE

DOSgate Version 1.13 is now available. This version should be compatible with most TNCs and has been tested with the AEA and Kantronics TNCs. DOSgate is an IBM PC program that allows any remote packet-radio user to connect to and use a PC compatible computer as if the user was sitting in front of the PC (see Gateway, Volume 5, Number 23). To obtain a copy of DOSgate, send a 360-kbyte formatted 5-1/4-inch DOS disk, a self-addressed stamped disk mailer and your request for DOSgate to Rich Bono, NM1D, 7 Redfield Cir, Derry, NH 03038.

DRSI TCP/IP PC-Packet Driver is available in a new version that fixes all of the reported bugs in the earlier releases, nowsupports the NOS version of TCP/IP and marks the first release of the source code for the DRSI drivers. The pexecutables and DRSI driver source files may be downloaded from CompuServe's HamNet (file name: DR_NOS.ZIP) or may be obtained on disk from DRSI, 2965 Range Rd, Clearwater, FL 34625.

G4YFB Packet Mailbox Version 3.24 for the IBM (C and compatibles may be downloaded from CompuServe's HamNet (file name: YFB324.ZIP).

G8BPQ Packet Switch Version 3.53 has a number of changes and enhancements including a remote SYSOP feature for etering route/node information, node CTEXT for users accessing the switch via its alias, a BYE command and STATS information.

from Carl R. Finke, WB5DDP, via CompuServe's HamNet

KC8JN PBBS Version 8.21 for the Radio Shack TRS-80 Model I, III or IV (in the III mode) includes reverse-forwarding and BID store-and-forward. It is available by sending three unformatted 5-1/4-inch disks plus $2 (to cover mailing and documentation costs) to Bill Ritchie, N8FIS, 725 Rawson Ae, Fremont, OH 43420. Note that Bill is only able to copy the Model III disks because he does not own a Model I; anyone that wants to run this program on a Model I will have to convert it themselves.

MSYS Version 1.06, the IBM PC and compatible multiuser, multiport PBBS with support for TCP/IP, gateways and packet-radio clusters may be downloaded from CompuServe's HamNet.

PRMBS Version 1.05, the ROSE packet-radio mailbox and server for the IBM PC and compatibles fixes two major problems: the crash- inducing response to a non-standard "Link State is" message generated by a Kantronics KPC-4 and the failure to detect carrier loss of a landline modem connection in the "super-user state." The software may be downloaded from CompuServe's HamNet. The software is also available on disk from TAPR.

W0RLI Mailbox Version 11.8 removes support for MBL3.13, port types AEA and KAM, which is no longer required, and the line "?_name" from config.mb; fixes several cases of mail file corruption when GM. and several different TC hang situations; and adds the V command (like T with FLOW ON). The software's file name is FS1108.EXE and it may be downloaded from N1EDF at 508-949-3590 or WA6RDH at 916-678-1535. The software is also available on disk from TAPR.

WA7MBL PBBS Version 5.13 adds limited support to hierarchical-addressed messages. It may be downloaded from CompuServe's HamNet or via anonymous ftp on Internet from either tomcat.gsfc.nasa.gov (\public\bbs\wa7mbl) or biocat.chem.usu.edu (\pub). Its file name is MBL513.ARC. The software is also available on disk from TAPR.

QEX - The ARRL Experimenter's Exchange - March 1990 - Part 4 of 5
Gateway Column

Packet-Radio Satellite Tracking Programs

The recent launches of amateur packet-radio satellites has generated a lot of interest among packeteers worldwide. In order to use the satellites, it is necessary to know when they will be "visible" to your station. To find out when satellite visibility occurs, the following satellite tracking software is available from the Radio Amateur Satellite Corporation (AMSAT) at PO Box 27, Washington, DC20044, telephone 301-589-6062. Write or call AMSAT for pricing and ordering. Note that the software is discounted for AMSAT members.

"InstantTrack 1.00" for the IBM PC and compatibles was written by Franklin Antonio, N6NKF, and features speed, ease of use, instant visibility, real-time displays, automated orbital element entry and time-setting, satellite and station databases, a 1754 city database, grid square support, satellite co-visibility, squint angle, path loss, real-time rotor control, background moe, sun and moon tracking, fast rise-time finder, multiple station tracking and on-line help.

"Orbits II" is for IBM PCs and compatibles with 256-kbyte of RAM memory, CGA and compatible monitor, one 5-1/4-inch floppy diskette drive and DOS 2.0 or later.

"Orbits III" is functionally equivalent to ORBITS II, but has been designed for use with EGA and an Enhanced Color Display.

"Orbits IV" is the equivalent to ORBITS II, but has been designed for use with VGA.

"N4HY Quiktrak 4.0" is for IBM PCs with DOS 3.0 or later. An 8087 math co-processor is not needed, but the program will run much faster with it. CGA requires 512-kbyte of RAM, while EGA requires 640-kbyte of RAM.

"Quiktrak For IBM" is for IBM PCs without graphics capabilities.

"C-64 Supertrac" for the Commodore C-64, combines N4HY's Quiktrak program and enhanced graphics. It provides sharp, clear and colorful graphics with excellent scheduling flexibility. This program also has the ability to drive commercially available dual-axis rotors. It is available on disk only.

"Apple Quiktrak" is an Apple II menu-driven program for tracking and scheduling of amateur satellites. It incorporates a very fast algorithm for finding usable passes of the satellite of your choice. Satellite pointing angles relative to your QTH and a "window track" mode are included. The window track feature identifies mutual "windows" between your QTH and other specified locations around the world. It includes menu driven utilities fordata entry and requires an 80-column card and 64-kbyte of RAM.

"Satellite Helper," written by W7HR for the Apple Macintosh, provides tabular data output of tracking and scheduling information for up to ten satellites. Graphic displays include rectangular, polar and great circle world maps, and there is a "view" mode which shows the Earth as seen from the satellite at any time. A real-time mode displays data as it changes and is compatible with the KLM/Mirage antenna tracking interface. Data can be displayed on the screen or printed on an Imagewriter printer. A propagation prediction package is also included which calculates the maximum usable frequency (MUF) to any point, sunrise and sunset times, bearings and distances, and displays the gray-line. Satellite Helper requires 1-Mbyte of RAM.

"C-128" is a version of the Orbits program that is written to take advantage of the unique capabilities of the Commodore C-128. It uses time-based incrementing with user-selected increments of time, which results in uniform time increments btween data lines. The program features automatic page formatting and pagination. As many as 20 satellites may be entered into Keplerian files. It requires an 80-column monitor and a Commodore compatible printer.

"Commodore Amiga" is designed for the Amiga operating in 80-column mode. It has the same features as C-128, but runs considerably faster. The program has provision for mode and phase programming to alert you as to which transponder is active. It requires 256-kbyte of RAM.

"Quiktrak for TRS-80 Model 4/TRSDOS 6.0" is the N4HY Quiktrak program modified to run on the TRS-80 Model 4.

"W3IWI Tracking Program" is available for the following computers: Tandy/TRS-80 Color Computer 1, 2 and 3 (cassette or disk); TRS-80 Model 3 (32-kbyte of RAM, one disk drive); Atari 400 and 800 (disk only); Each program provides all of the data needed for tracking satellites, space shuttles, etc in an easily understandable tabular form.

"HP-41 Programmable Calculator Orbit I" will output azimuth and elevation in real-time or all W3IWI arameters in the prediction mode. Special requirements: HP-41C plus QUAD Memory, HP-41CV, HP-41CX; Card Reader is desirable, but not essential.

"HP-41 Programmable Calculator Orbit II" is the same as Orbit I with the addition of functions from the Time Module for output of time and input from the time clock in a real-time mode.

QEX - The ARRL Experimenter's Exchange - March 1990 - Part 5 of 5
Gateway Column

IP ADDRESS COORDINATOR LIST UPDATE

The following list, courtesy of Brian Kantor, WB6CYT, may be used to update the regional IP address coordinator list that was published in Gateway, Volume 6, Number 7. (An IP address is required in order to use the KA9Q Internet Protocol Package for amateur packet-radio TCP/IP operation. Contact your region's coordinator for an address assignment.)

LOCATION	IP ADDRESS	IP ADDRESS COORDINATOR
US Coordinators		
CA: San Bernardino and Riverside	44.018	KE6QH
DC:	44.096	WA1IVD
ID:	44.012	K7JD
KS:	44.122	WI0/R
MI: upper peninsula	44.092	KD9UU
MN:	44.094	WD0/HEB
NJ: southern	44.065	WB2MNF
NY: upstate	44.069	WA2WPI
OR: northwestern and Portland	44.116	WS7S
PR:	44.126	KP4QG
WA: eastern	44.012	K7JD
WA: Vancouver	44.116	WS7S

WI:	44.092	KD9UU
WY:	44.086	WB7CJO

International Coordinators

Chile	44.157	Flavio Llanos c/o CE6EZG
France	44.151	FC1BQP
Portugal	44.158	CT1DIA
Spain	44.133	EA4DQX

GATEWAY CONTRIBUTIONS

Submissions for publication in Gateway are welcome. You may submit material via the US mail or or electronically, via CompuServe to user ID 70645,247 or via Internet to 70645.247@compuserve.com. Via telephone, your editor can be reached on evenings and weekends at 203-879-1348 and he can switch a modem on line to receive text at 300, 1200 or 2400 bit/s. (Personal messages may be sent to your Gateway editor via packet radio to WA1LOU @ N1DCS or IP address 44.88.0.14.)

The deadline for each installment of Gateway is the tenth day of the month preceding the issue date of QEX.

--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From 8166706097386096653
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,25e3438500fcc9a3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-11 14:28:15 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: RTTY DX Notes, 3/9/90
Message-ID: <1456@n8emr.UUCP>
Date: 11 Mar 90 22:28:15 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 227
Posted: Sun Mar 11 23:28:15 1990

```
==============================================================
|        Relayed from packet radio via                 |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
```

SB ALL @ ALLUSA $RTDX0903
RTTY DX Notes, 1of3, 3/9/90

RTTY DX Notes for Weekending 9th March 1990.
Part 1 of 3.
BID: $RTDX0903

A point to ponder. This week I received reports of 370 stations; some of them rare DX, some good DX, some just DX, and finally, others who were just normal stations. What does one leave out and what does one use? As you can imagine, the editing pencil had a lot of work to do to keep the notes to a reasonable size. I am not complaining, just indicating that if the stations that you reported do not appear, its a case that for this week there were some rarer stations around. But thanks all the same, and keep up the good work.

Our thanks this week go to BV4VB, I5FLN, JA1BLV, JG1NBG, KT7H, OD5NG, TG9VT, VK2EG, VK2KM, W1DA, W2JGR, W6/G0AZT, W0LHS and the Tri-State DX Association VHF packet cluster. Thanks, chaps for your efforts. They really assist with the work.

Bandpass:

Friday 3:

J88BS	14086	at	0047Z	QSL
JX9CAA	14085	at	0051Z	
UH8ABM	28082	at	1325Z	
BZ4RDZ	14090	at	1520Z	
TA3D	28087	at	1630Z	QSL
EA6VS	28084	at	1740Z	
4K2OT	21092	at	1910Z	50 BD
TU2BB	14074	at	2130Z	ARQ
JY9SR	14084	at	2146Z	QSL
8Q7DN	14086	at	2231Z	

Saturday 3:

J88BS	21093	at	0040Z	
UB5IPU	14094	at	0455Z	
XW8KPL	21082	at	0723Z	Note
5H3NL	21093	at	1015Z	QSL
8Q7DN	14089	at	1225Z	
RA9AO	21084	at	1239Z	
JY9SR	28087	at	1553Z	
UQ2HO	21085	at	1557Z	QSL
ZS9A	21063	at	1700Z	
6W6JX	21085	at	1830Z	
ZS8MI	14081	at	1854Z	
FO5MA	28091	at	1945Z	

```
ZP6XDW   28088  at  2010Z  QSL
HH2BZ    14082  at  2217Z  QSL

Continued in part 2.
/EX
SB ALL @ ALLUSA $RTDX1003
RTTY DX Notes, 2of3, 3/9/90

RTTY DX Notes for Weekending 9th March 1990.
Part 2 of 3.
BID: $RTDX1003


Sunday 4:
J88BS    21082  at  0036Z
8P6QA    14080  at  0050Z
8Q7DN    14088  at  0110Z
VP8BFH   14095  at  0125Z
TA3D     14086  at  0350Z
LY2WW    14085  at  0646Z  QSL
ES7JW    28093  at  1145Z  QSL
VS6UW    14082  at  1211Z
ZS8MI    14081  at  1333Z
TU2BB    28075  at  1359Z
BY1BY    28088  at  1414Z
9J2AL    28093  at  1730Z
TK5IU    14084  at  2045Z
JY9SR    14086  at  2137Z
JX9CAA   14084  at  2150Z

Monday 5:
6Y5EW    14074  at  0330Z  ARQ
FO5DB    14074  at  0445Z  ARQ
YI1BGD   21092  at  1323Z
FR5ZD    14070  at  1355Z  ARQ
J28TY    28092  at  1510Z
PJ4V     21080  at  1528Z  QSL/Note
HL1ST    14088  at  2025Z
TA3D     14091  at  2030Z
KP4YD    21084  at  2040Z

Tuesday 6:
LQ19DX   21085  at  0030Z  QSL/Note
J28TY    14089  at  0205Z
FO5DB    14074  at  0300Z  ARQ
CE0ZIG   14090  at  0609Z  QSL
TJ1MW    14086  at  0610Z
LY2WW    28086  at  0841Z
HL1SX    21089  at  0933Z
VK0JR    14072  at  1312Z  ARQ
ZL0AIC   14086  at  1349Z  QSL/Note
5B4NC    21087  at  1420Z
TA3D     14094  at  2110Z
```

EA9FI	14092	at	2222Z	

Wednesday 7:

9Y4RJS	14091	at	0330Z	
VK0JR	14075	at	0710Z	ARQ
J28TY	28092	at	1226Z	
TA2DO	21088	at	1311Z	
FM5WL	21088	at	1340Z	
UV9CC	21089	at	1420Z	
V31HQ	14094	at	2055Z	QSL
TU4AK	14091	at	2110Z	
P43MD	14087	at	2325Z	

Thursday 8:

GJ4YMX	14090	at	0001Z
LY1BYL	14085	at	0045Z
BY1SK	21083	at	0930Z
UY5EG	21095	at	1144Z
BV4VB	14090	at	1515Z
VS6VC	21083	at	1605Z

QSL Information:

J88BS says to QSL via WA4WIP.

TA3D is at Box 963, Izmir, Turkey.

JY9SR will QSL via W3FYT.

5H3NL QSLS via I4ULG.

UQ2HO says to QSL to Box 495, Riga 226047, Latvia USSR.

Continued in part 3.
/EX
SB ALL @ ALLUSA $RTDX1103
RTTY DX Notes, 3of3, 3/9/90

RTTY DX Notes for Weekending 9th March 1990.
Part 3 of 3.
BID: $RTDX1103

ZP6XDW has Box 73, Caacupe, Uruguay.

HH2BZ says to QSL via N1DRS.

ES7JW to Box 73, Viljandi, 202910 USSR.

LY2WW is Gintas Sakenas, Box 2237, Vilnius 232050, Lithuania, USSR.

PJ4V will QSL via WD4JNS.

LQ19DX QSLS via Box 36, CP-1834, Buenos Aires.

V31HQ says to QSL to DL1ZBP.

ZL0AIC says to QSL via HB9AAA.

CE0ZIG says to QSL via NR8J.

GJ4YMX QTH is Box 437, St Helier, Jersey, C.I.

BV4VB will QSL via Box 146, Taichung, 40099 Taiwan.

Notes of Interest:

UA3DK and RW3DX with UA3DZ are reported to be starting activity as 3W3DX, 3W3DK and 3W3DZ after March 13th. QSL 3W3DX to Box 145, Dubna, 141980. 3W3DK and 3W3DZ go to Box 45, Dubna.

Spratley is still on course for 15th March to 30th March, but there appears to be some problem with donations from the U.S.A. It is suggested that you do not make donations until you have consulted with your local foreign assets control office, or whatever it is called in your country. There could be large problems if advice is not received.

OH2BH, Martti, reports that his trip to Aves Island depends on a naval vessel being repaired in time. More later.

The TI9 operation also depends upon a naval vessel being available at the required time, and even so it may only be a 16 hour operation.

VK9NS (Jim Smith) informed me in a phone conversation that all was fine for the A5 (Bhutan) operation in about six weeks, but he is hoping that he can make S2 (Bangaladesh) sometime in the near future before the A5 operation. We will keep in touch.

PJ4V is Saba Island and counts as Saint Maarten.

LQ19DX is a special call for the Argentinian DX Group.

ZL0AIC is in Antarctica.

Lord Howe Island: Well, from reports received, all of which mention SSB and CW, it seems that there will be no RTTY operation. I have tried to contact VK3OT with no success.

XW8KPL states that he will be on RTTY every Saturday and Sunday, but only on 15 meters.

GL DE DX1 (VK2SG) via TG9VT.

Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA.
/EX
SP KT7H @ N7HFZ.WA.USA.NA
A
A.
/EX
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From 6210447731685404072
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f7a9232d319a0d1d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-11 14:36:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!apple!mips!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!WPAFB-AMS1.AF.MIL!bob%50781.decnet
From: bob%50781.decnet@WPAFB-AMS1.AF.MIL ("50781::BOB")
Newsgroups: rec.ham-radio
Subject: Anthro 101
Message-ID: <9003120802.AA25835@ucbvax.Berkeley.EDU>
Date: 11 Mar 90 22:36:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Sun Mar 11 23:36:00 1990

Re: Kok Chien's ideas for computer licenses...

Novice/Techs will toggle in the boot strap code to a CDC MP-60, in Hex,
from their own memories to the computer's. Betcha Seymour Cray could...

Bob N5GNA

From 7722425684552937548
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a9cd96d7222c78bf,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-11 19:30:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!jarvis.csri.toronto.edu!torsqnt!tmsoft!masnet!canremote!robert.bonenfant
From: robert.bonenfant@canremote.uucp (ROBERT BONENFANT)
Newsgroups: rec.ham-radio
Subject: Re: Scanner For Sale
Message-ID: <90031201022278@masnet.uucp>
Date: 12 Mar 90 03:30:00 GMT
Organization: Canada Remote Systems Limited, Mississauga, ON, Canada
Lines: 20

Posted: Mon Mar 12 04:30:00 1990

For Sale:

1 - Uniden Bearcat Scanner 200XLT
Covers:
29.000 mhz - 54.000 mhz
118.000 mhz - 174.000 mhz
406.000 mhz - 512.000 mhz
806.000 mhz - 956.000 mhz

Comes With:
- Carrying Case
- Charger(ni-cads Included)
- Mobile Ant.

Scanner is 3 months old, and Must sell. Asking $450.00 or Best Offer. Call Robert Bonenfant at (416)823-4850, After 6:00 P.M. Monday-Friday, Anytime on Weekends, or Leave Message. (CRS St Conf. 6)

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* Via ProDoor 3.1R

From -5472132826731498450
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,34739191eee7dad3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,34739191eee7dad3,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-03-11 19:55:42 PST
Path: gmdzi!unido!mcsun!uunet!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Part 15 on 21 mtrs
Keywords: New Allocation
Message-ID: <545@ssc.UUCP>
Date: 12 Mar 90 03:55:42 GMT
Organization: very little
Lines: 16
Xref: gmdzi rec.radio.shortwave:678 rec.ham-radio:10134
Posted: Mon Mar 12 04:55:42 1990

Did anyone notice the new allocation for low power transmitters under Part 15 at 13.553 to 13.567 MHz? It is mentioned on page 7 of the March issue of Monitoring Times.

What did the FCC have in mind with this allocation?

Tad Cook
Seattle, WA

Packet: KT7H @ N7HFZ.WA.USA.NA
Phone: 206/527-4089
MCI Mail: 3288544
Telex: 6503288544 MCI UW
USENET:...uw-beaver!sumax!amc-gw!ssc!tad
or, tad@ssc.UUCP

From -4595207457744286582
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7a149cdf51e3aaa5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-11 20:37:25 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!dvinci!weyr!Ken.Crowston
From: Ken.Crowston@weyr.FIDONET.ORG (Ken Crowston)
Newsgroups: rec.ham-radio
Subject: Re: License plates
Message-ID: <582.25FB3C0A@weyr.FIDONET.ORG>
Date: 12 Mar 90 04:37:25 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 8
Posted: Mon Mar 12 05:37:25 1990

Here in Saskatchewan while the provincal ham organization died and most amateurs were fast asleep, our "Devine" goverment changed our ham plates to "vanity plates". We now rate the same as anyone else who wants a personalized plate - pay your $75.00 - you can have anything on your plate. Not hard to see how much our government appreciated our help during emergencies etc.

73,s de VE5KEN - Ken
--
Ken Crowston - via FidoNet node 1:140/22
UUCP: alberta!dvinci!weyr!Ken.Crowston
Internet: Ken.Crowston@weyr.FIDONET.ORG
Standard Disclaimers Apply...

From 1620989426520912713
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2619343ff77c5d5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-11 20:54:14 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!bbn!
mephisto!gatech!kd4nc!km4ba!alan
From: alan@km4ba.UUCP (Alan Barrow)
Newsgroups: rec.ham-radio
Subject: Re: Ham regs question.
Message-ID: <125@km4ba.UUCP>
Date: 12 Mar 90 04:54:14 GMT
References: <405@forsight.Jpl.Nasa.Gov> <30500441@ux1.cso.uiuc.edu>
Organization: km4ba's packet radio gateway, Atlanta GA.
Lines: 42
Posted: Mon Mar 12 05:54:14 1990

phil@ux1.cso.uiuc.edu writes:
stuff deleted...

>I would NOT put up a remotely controlled phone patch (not part of a repeater
>and thus not under automatic control) with INPUT BELOW 220.5 Mhz (or on the
>431-433 or 435-438 Mhz subbands). I am giving serious thought to putting one
>up on something like 446.475 in and 146.475 out, which would be full duplex,
>and in fact fitting the local band plan simplex channelling with an easy to
>remember 300 Mhz split.

I hate to sound like a legal eagle, but what you just described *is* a
repeater, and really shouldn't be in the simplex part of the band. I guess
low power, 1/4 mile range would be ok, but I think things would get
out of hand quickly. (IE: in some areas, there would be one of these on
each simplex "pair". saves the expense of getting a duplexer, also!)

As I understand the intent of the bandplan, repeaters are intentionally excluded
so there will always be freqs for mobile to mobile, etc. I also feel, personally
that high site remote bases should not be parked on simplex freqs with xmit
enabled for the same reason. Leaving rx enabled is fine.

With the cross band *remote base* (not repeater, as the ads say) capability of
the newer radios, It is even more important. Otherwise, some rptr operator
gets a call from an irate simplex user (or, worse freq. coordinator) wanting
to know why his repeater is on a simplex freq. When the smoke clears, they
figure out that some new kenwood/yaesu/icom owner is leaving his dual band
parked in remote base mode. (Usually using his 2mtr handheld to hit a 440
repeater from his house)

This happens regularly in our area. Sometimes even worse scenarios occur,
like when the new radio owner sets his radio for 2 rptrs, rather than
1 rptr & a simplex freq. Instant ping pong once one of the rptr's is kerchunked.

anyway, that's my $47 worth. neat idea though!

73
Alan Barrow km4ba
..!gatech!kd4nc!km4ba!alan

>--Phil Howard, KA9WGN--
><phil@ux1.cso.uiuc.edu>

From 8371526272476029988
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,30f5562528c87d6f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-11 22:30:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)

```
Newsgroups: rec.ham-radio
Subject: Ohm's law
Keywords: Ohm's law
Message-ID: <23411@usc.edu>
Date: 12 Mar 90 06:30:41 GMT
References: <640@n4hgf.uucp>
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 8
Posted: Mon Mar 12 07:30:41 1990

In article <640@n4hgf.uucp> wht@n4hgf.uucp (Warren Tucker) writes:
>Warren Tucker, Tridom Corporation        ...!gatech!kd4nc!n4hgf!wht
>E = I * R, if you're lucky, and only then on alternate Tuesdays.
 ^^^^^^^^^
This is a gross simplification, that is only "exactly" true at DC, but
of course you knew that. . . . .

Ken Hendrickson N8DGN        kjh@usc.edu        ...!uunet!usc!pollux!kjh


From 5769201512215123607
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9a56acd962cc82f8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-12 04:51:27 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!wuarchive!
psuvax1!eds1!wa3wbu!compnect!daveh
From: daveh@compnect.UUCP (Dave Hultberg)
Newsgroups: rec.ham-radio
Subject: FT-2700RH Mods
Keywords: Mods wanted for FT-2700RH
Message-ID: <488@compnect.UUCP>
Date: 12 Mar 90 12:51:27 GMT
Organization: John Core at home, Harrisburg,PA
Lines: 9
Posted: Mon Mar 12 13:51:27 1990

I just picked up a used Yaesu FT-2700RH dual band 2m/70cm rig at a hamfest.
It appears that the previous owner has already opened up the coverage from
what the manual says.  I am interested in details of this mod and any other
enhancements for this rig.  Thanks and 73.

--
==============================================================================
Dave Hultberg   Radio:  KA3UZR       UUCP:  uunet!wa3wbu!ka3adu!compnect!daveh
CIS:  72437,3215   US Snail:  1407 Concord Road, Mechanicsburg, PA  17055-1955


From 1725803373362008108
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c49ff93a585c98,start
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1990-03-12 06:44:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!unix.cis.pitt.edu!
zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!GTE.COM!
pescatore_jt%ncsd.dnet
From: pescatore_jt%ncsd.dnet@GTE.COM
Newsgroups: rec.ham-radio
Subject: Yaesu 757 vs 757GXII
Message-ID: <9003121444.AA23182@bunny.gte.com>
Date: 12 Mar 90 14:44:51 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Mon Mar 12 15:44:51 1990

About four years ago I bought a Yaesu FT 757 after playing with it, the Kenwood TS 440, and whatever the equivalent ICOM 12V all band receiver HF transceive was. I bought the 757 because it was cheaper, I liked the way it operated, and because it sounded better than the other two. I did a lot of playing with the choices at EEB.

When the radio worked, it was a great radio. In less than two years it died three times: one switching diode went, and the final xsistors blew twice. Ironically, after picking it up from EEB after the third repair, it was stolen from my car.

I have spoken to several local guys who had reliability problems with the 757 and several on the air.

According to the repair tech at EEB, Yaesu came out with the GXII in part to solve some of those problems. The GXII also has a notch filter and a "soft" mode switch, so you can store mode in memory with the frequency. No more hvinf to switch from CW when you want to check WWV.

I'm not sure I would buy a 757 again, but if I did it would definitely be the GXII. One reliable indicator is the relative value of the TS 440 and the FT 757 seen at hamfests. Equivalently aged 757s are selling for $2-300 less than 440s here. The integral antenna tuner represents only a part of that, I think.
73 John WB2EKK PESCATORE_JT%NCSD@GTE.COM

From 2481308788772060134
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eea6d0579a39ecf4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-12 07:12:45 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucbvax!hplabs!hpl-opus!labelle
From: labelle@hpl-opus.HP.COM (George LaBelle)
Newsgroups: rec.ham-radio
Subject: Re: antenna problems
Message-ID: <64840028@hpl-opus.HP.COM>
Date: 12 Mar 90 15:12:45 GMT
References: <36@ctbilbo.UUCP>
Organization: HP Labs, High Speed Electronics Dept., Palo Alto, CA

Lines: 20
Posted: Mon Mar 12 16:12:45 1990

I had similar troubles, and worse, with mine.

I resorted to cutting some sections in order to get it to resonate. Mine is ground mounted with 3 radials covering only 90 degrees, since it is in the corner of my yard.

I had an intermittant resonance problem on 80&40 which turned out to be either a bad connection between the trap coil and terminal or dirt in the trap "capacitor", because after runnning full power into it on 80 for a while - it got zapped, and now works! ;-}

```
 ------------------------------------------------------------------------------
George La Belle                 uucp:    hplabs!hpl-opus!labelle
Hewlett Packard Labs            smtp:    labelle@hpl-opus
P.O. Box 10490                  arpanet: labelle%hpl-opus@hp-sde.hp.com
Palo Alto, Ca. 94303            hpdesk:  GEORGE LABELLE /HP1900/UX
                                     phone    (415) 857-4679
                       ham      WB6YZZ
 ------------------------------------------------------------------------------
```

From -2169046768701022405
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4a4a360e806f067
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-12 07:16:51 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!hplabs!hpl-opus!labelle
From: labelle@hpl-opus.HP.COM (George LaBelle)
Newsgroups: rec.ham-radio
Subject: Re: dual_gate mosfet mixer
Message-ID: <64840029@hpl-opus.HP.COM>
Date: 12 Mar 90 15:16:51 GMT
References: <3353@servax0.essex.ac.uk>
Organization: HP Labs, High Speed Electronics Dept., Palo Alto, CA
Lines: 17
Posted: Mon Mar 12 16:16:51 1990

Your mixer works! The fact that you have low oscillator injection voltage only affects its conversion GAIN. You might try an auto-transformer or ferrite broadband transformer to step up the voltage, but depending on the particular application you may just leave it alone.

```
 ------------------------------------------------------------------------------
George La Belle                 uucp:    hplabs!hpl-opus!labelle
```

```
Hewlett Packard Labs             smtp:    labelle@hpl-opus
P.O. Box 10490                   arpanet: labelle%hpl-opus@hp-sde.hp.com
Palo Alto, Ca. 94303             hpdesk:  GEORGE LABELLE /HP1900/UX
                                      phone    (415) 857-4679
                       ham      WB6YZZ
 ------------------------------------------------------------------------------
```

```
From 4823449985673781392
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b4baa1a94c449857
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-12 07:20:09 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!tut.cis.ohio-state.edu!ucbvax!hplabs!hpfcso!
hplisa!hplvli!chris
From: chris@hplvli.HP.COM (Chris Kelly)
Newsgroups: rec.ham-radio
Subject: Re: 16:1 Transformer
Message-ID: <4590034@hplvli.HP.COM>
Date: 12 Mar 90 15:20:09 GMT
References: <1788@crash.cts.com>
Organization: Loveland Inst. Div
Lines: 13
Posted: Mon Mar 12 16:20:09 1990
```

There is a good new ARRL publication about transmission line
transformers (in fact, I think that the title is
"Transmission Line Transformers", but I don't have it here).
I suspect your question is about an RF transformer, not 60Hz
power supply transformer, so forgive me if I'm off base.
This book discusses toroidal transformers and baluns, as well
as other kinds. Probably for best results at most RF (up
to VHF) toroidal transformer is most efficient and is
"self shielding". Amidon, Palomar, Ferritronics, and many
others make these toroidal forms. See also ARRL Handbook
for design info. Choice of form composition and size depend on
both frequency of interest and power level. Good Luck, 73.
de WD5IBS.

```
From 7367793146617719750
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1adeef9379fd36ff
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-12 08:43:37 PST
Path: gmdzi!unido!mcsun!uunet!cadnetix.COM!cadnetix!rusty
From: rusty@cadnetix.COM (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: Misc. DX QSL Information - Fall/Winter 1989/90
Message-ID: <11699@cadnetix.COM>
Date: 12 Mar 90 16:43:37 GMT
References: <9003091432.AA22914@decwrl.dec.com> <19214@eerie.acsu.Buffalo.EDU>
Sender: news@cadnetix.COM
```

Reply-To: rusty@cadnetix.COM (Rusty Carruth)
Organization: Cadnetix Corp., Boulder, CO
Lines: 26
Posted: Mon Mar 12 17:43:37 1990

In article <19214@eerie.acsu.Buffalo.EDU> bowen@cs.Buffalo.EDU (Devon Bowen) writes:
>In article <9003091432.AA22914@decwrl.dec.com> reisert@victim.enet.dec.com (Jim) writes:
>> or the on-line callbook doesn't have the latest information, a more likely story,
>
>Marvin's server (and probably any server that got its data from Rusty)

Minor correction - definately any server that got its data from me :-)

>is updated once a year around October.

I'm planning on making the next update be Jan 1, 1991, I hope thats ok
with everyone!

>More frequent updates are not possible due to ...

Actually, I've been thinking, and I'd like to have all callsign server folks
(and those considering setting up a callsign server) email me, I would like
to talk to you all privately. (Also, anyone wanting monthly updates should
email, too.)

Thanks!

```
---Join the usenet un-net, 28.410 and/or 28.390(+-) 1700Z to 1900Z saturdays!
Rusty Carruth.                 Radio: N7IKQ                 ^^ or later :-)
DOMAIN: rusty@cadnetix.com      UUCP:{uunet,boulder}!cadnetix!rusty
home: POB. 461, Lafayette CO 80026
```

From -8829763138268878922
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c93ef116ada40668,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-12 09:04:53 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!jarvis.csri.toronto.edu!rutgers!cs.utexas.edu!uwm.edu!lll-winken!tekbspa!optilink!elliott
From: elliott@optilink.UUCP (Paul Elliott x225)
Newsgroups: rec.ham-radio
Subject: CW, RTTY decoder question
Summary: help me with my research
Message-ID: <3243@optilink.UUCP>
Date: 12 Mar 90 17:04:53 GMT
Organization: Optilink Corporation, Petaluma, CA
Lines: 44
Posted: Mon Mar 12 18:04:53 1990

I am trying to find out what products exist that demodulate and decode morse code and rtty.

I am working the design of some at home, and while I don't mind re-inventing the wheel in this case (I seem to use CW generators and decoders as a mechanism for learning programming languages and hardware interface), it seems that my latest almost-finished product may fit in some currently unfilled market niche.

Products I am aware of, so don't bother to tell me unless you really want to:
1) The various packet-radio TNCs
2) The CW/RTTY decoder in April 1990 _Radio_Electronics_
3) A cute $180 (or so) decoder with LCD display, advertised in QST and elsewhere

Things I have seen allusions to, so more info would be appreciated:
1) Some packages for (Atari?) computers

My current design has the following features:
1) Small, fits in DB-25 shell (uses surface-mount)
2) Audio input jack (not really a feature, just a requirement)
3) Connects to IBM-PC / clone serial port, port-powered
4) IBM / clone _only_ (uses PC-specific programming)
5) CW only, but this is negotiable. RTTY a different unit for now
6) Adaptave filtering speed and weighting tracking in software
7) Transcript logging to disk
8) Morse generator output for free (rs-232 levels out on jack)
9) *Low Cost* ($49.95 target price)

Any comments on the above? This is not an offer to sell a product, but if you *would* buy one of these, or something similar I would like to hear why (or why not). Should I even consider trying to sell this?

Please Email me, all news feeds to Optilink are currently very flaky.

Thanks for your comments,
-- Paul Elliott, WB6CXC

--
Paul M. Elliott   Optilink Corporation   (707) 795-9444
{pyramid,pixar,tekbspa}!optilink!elliott
"You shall kill only the killers." -- Wilbur Mercer

From -4508086973626527512
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc25f6131052cc5a,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,fc25f6131052cc5a,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 114d61,fc25f6131052cc5a,start

X-Google-Attributes: gid114d61,public
X-Google-Thread: f9437,fc25f6131052cc5a,start
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-03-12 11:52:53 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!jarvis.csri.toronto.edu!
cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!ucdavis!csusac!sactoh0!quack!mrapple
From: mrapple@quack.UUCP (Nick Sayer)
Newsgroups: news.groups,rec.arts.tv,rec.ham-radio,rec.radio.shortwave
Subject: Call for discussion - rec.arts.tv.catv
Message-ID: <5188@quack.UUCP>
Date: 12 Mar 90 19:52:53 GMT
Followup-To: news.groups
Organization: The Goose Egg, Stockton, CA
Lines: 32
Xref: gmdzi news.groups:16468 rec.arts.tv:2475 rec.ham-radio:10148
rec.radio.shortwave:681
Posted: Mon Mar 12 20:52:53 1990

[crossposted to ham-radio because of possibility of technical discussions, to radio.shortwave because of possibility of including satelite programming, a distant relative to shortwave listening]

I would like to open a discussion period on the possible formation of rec.arts.tv.catv, a group for the discussion of issues pertaining to cable TV. Possible issues include regulation, programming, quality of service and technical issues.

This group would be beneficial in that it would allow non-catv readers to focus on broadcast issues in r.a.tv. It would also allow discussions of non-programming topics not well suited to r.a.tv.

The proposed group is not moderated.

Optionally this group may also include satelite broadcasting, although that is not really cable TV. If they are, perhaps the name should be changed.

This, of course, is not a call for votes. Discussions should take place in news.groups to determine a proposed charter. This discussion should end on April 1. At that time it should be taken to e-mail or a call for votes.

If I've left anything out, I appologise in advance.

```
--
Nick Sayer  -  The Goose Egg public unix  -  209-952-5347 (Telebit)
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~+~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
quack!mrapple@uop.edu           ! "Okay, Dr. Ryan, we've just
...pacbell!uop!quack!mrapple    ! unzipped our fly."
N6QQQ via DIA (145.05)          !                      - THFRO
```

From -5764980179059076558

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,23911cf682e7beee,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-12 12:06:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!NISD.CAM.UNISYS.COM!doug
From: doug@NISD.CAM.UNISYS.COM (Doug Hardie)
Newsgroups: rec.ham-radio
Subject: Operation in Mexico
Message-ID: <9003122006.AA01556@KRONOS.NISD.CAM.UNISYS.COM>
Date: 12 Mar 90 20:06:46 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 3
Posted: Mon Mar 12 21:06:46 1990

My daughter is going to be in Mexico for a week. What is required to operate there? She has a Tech and the goal would be hf cw.

-- Doug WA6VVV`

From -8916642065336079532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,279a863ef0c4b9ce
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-12 12:47:16 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!wuarchive!udel!rochester!rit!cci632!dvh
From: dvh@cci632.UUCP (David Hallidy)
Newsgroups: rec.ham-radio
Subject: Re: 10m Beacon list
Message-ID: <34993@cci632.UUCP>
Date: 12 Mar 90 20:47:16 GMT
References: <1453@n8emr.UUCP>
Organization: CCI, Communications Systems Division, Rochester, NY
Lines: 13
Posted: Mon Mar 12 21:47:16 1990

Great list, Gary. Now I wonder- has anyone considered putting together a similar list of Six Meter beacons? With the hot conditions to many parts of the world now existing on six, this would be a useful bit of information.

If such a list exists and I don't know about it, please point my punkin head in the right direction and I'll be a happy kid.

Thanks in advance for any help with this.

Dave KD5RO/2

From -158904689087320928
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1a1fd665eda01512,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-12 14:19:29 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!jarvis.csri.toronto.edu!
cs.utexas.edu!usc!samsung!xylogics!merk!alliant!linus!mbunix!abm
From: abm@mbunix.mitre.org (Murphy)
Newsgroups: rec.ham-radio
Subject: Club mtg ideas
Message-ID: <102224@linus.UUCP>
Date: 12 Mar 90 22:19:29 GMT
Sender: news@linus.UUCP
Organization: The MITRE Corp., Bedford, MA
Lines: 94
Posted: Mon Mar 12 23:19:29 1990

I asked for suggestions for topics / speakers for a luchhour ham
club at work. Here are the responses to date -thanks to all who
contributed
73   Alex   wd2t   abm@mbunix.mitre.org

*** from Phil Howard KA9WGN <phil@ux1.cso.uiuc.edu>
1. RFI: how to prevent it
2. RFI: how to cure it
3. SAFETY in the ham shack and on the tower
4. Rare DX certificates
5. What is EME all about
6. Signal processing developments
7. Soldering workshop
8. Are you grounded
9. MORE SAFETY in the ham shack and on the tower
10. The joy of fox hunting

*** from Steve Wilson KA6S
xait!think!ames!versatc!wyse!wyse.com!stevew

One program that we(the local Amateur Auxiliary) are putting on
for anyone that is interested is a combo program where we talk
about the Amateur Auxiliary(OO's) and also talk about DF techniques.
The DFing part seems to be a real popular topic. The meetings
seem to run a bit long because there are usually so many
questions.

Try contacting your local OO Co-ordinator(get his name from your
ARRL Section Manager) and maybe he can help you find a
speaker.

*** from Barry Fowler WB6JZL <barry@hprmokg.hp.com>

Simple antenna design (rules of thumb). Specifically, space-saving
antennae since many live in tract houses.

Maybe a t-hunt after the meeting to get the lard butts going.

Pictorials of the "evolution of commercial (and homebrew)" amateur radio rigs.

Maybe a family oriented ham radio campout (something besides ham radio to keep the rest going and not make it as intense as Field Day). Maybe at a nice lake in the summer.

"The world's most simplest xmtr/rcvr and have them come to the next club meeting and compare results".

*** from John Covington WN4BBJ cs00jmc@unccvax.uncc.edu

1. Presentation on proper method of traffic handling
   (we had a local ham do this once; it was very helpful and interesting since with packet many people are now trying to handle traffic that have never bothered with it before)

2. History of Radio Communication
   (a local radio history buff put on a good presentation about the early days of amateur and broadcast radio)

3. DXpedition/special event slide shows:
   (we have had slide shows of St. Maarten dxpedition; a trip to Dayton hamvention, etc.; it gets those who haven't participated in the past a "feel" for how much fun it is)

4. National Weather Service representative:
   (we have a very active SkyWarn group around here; the NWS is much in favor of us and glad to help out. He brought some videotapes of tornadoes taken from a helicopter 0.5 miles away; combined with his discussion of weather phenomena and tracking techniques made for a very interesting meeting).

5. Packet Radio
   (you may already have heard this one; but any kind of specialized communications technique makes for an interesting show if you get someone enthusiastic to do the presentation)

The selection of an enthusiastic speaker can be just as important as the topic. Picking someone who really enjoys what they do will usually give you the best program -- the speaker enjoys the subject, gets an ego boost for being asked to do the program, tries to convey to everyone else how much fun (or important if not necessarily a fun topic) it is, and helps to broaden the horizons of the attendees. Ham Radio is a learning hobby and anything you can do to boost the interests of club members will make for a better club. Some clubs don't have programs (or very good ones) and end up becoming political bitching societies.

*** from Steve Harding -- KA6ETB @ N6LDL.#NOCAL.CA.USA -
steveh@atherton.com

Consider emergency preparedness. What to do if the big [your favorite disaster here] hits.

How to handle NTS traffic, both via packet and on your local and section nets.

From 1092532902002735468
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a1266e80131a6d2c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-12 15:11:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!apple!usc!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com (DUBE TODD)
Newsgroups: rec.ham-radio
Subject: Incentive Licensing...and the League....
Message-ID: <9003122341.AA05084@ti.com>
Date: 12 Mar 90 23:11:20 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 41
Posted: Tue Mar 13 00:11:20 1990

Gary Coffman presented some good stats regarding the growth and decline of new Amateur licensees since 1968. These are interesting figures, but I would hesitate to attribute them to incentive licensing. NEW amateurs are hardly affected by I.L., since they generally start at Novice. There are some other reasons that bear directly on the variations in new licenses, among which are:

(1) Perceived cost to get on the air. If a prospective new ham is given the notion that (s)he has to purchase a $500 radio, a $100 antenna, a $150 tuner, a $200 TNC, and a $1000 computer (s)he will probably think twice or three times before going for it, and may be scared off by the economics.

(2) Recreation options. There are more options available now than there were 20 years ago. One such option is computers. A person can buy a computer, join a computer club and have lots of fun---all without having to pass any tests org getting any license from the government.

getting any license from the government!

(3) Observing Hams. I'm sure that a lot of people have been turned off by what they hear today on the bands, in publications, and BBSs. Inexpensive scanners, for instance, let prospective Hams listen in on our hobby in far greater numbers than they did 20 years ago.

I got my Novice ticket during the "1946 to 1968" period Gary mentions. My first station was about as cheap as you could get: an S-38C, a homebrew two-tube crystal-controlled transmitter, and a TV twin-lead doublet antenna. I wasn't a Ham when the NEW incentive license classes were added. Why do I emphasize "new"? Because there was incentive licensing then! My Novice was good for (I think) one year, after which I had to upgrade to General or get out of the hobby! (I got out). I can certainly sympathize with Gary and others who weren't "grandfathered" the privileges they held before the NEW incentive license classes were added. I would have been one of them. But it has little to do with whether an individual choses to become a Ham today.

Gary closes by citing the very reason why I think I.L. works: "The advent of packet and satellites finally caused me to grit my teeth and upgrade". I applaud Gary for that! It is the stuff of which better Hams are made! So, you see, there really is only one class of license: Amateur Radio Operator. A Novice is a Ham just like the Extra; (s)he just doesn't have all the privileges yet.

73,
Dube Todd,   N5PDK

From 5163464551973257970
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,73af3788ec40874c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-12 15:12:00 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!dvinci!weyr!Ken.Crowston
From: Ken.Crowston@weyr.FIDONET.ORG (Ken Crowston)
Newsgroups: rec.ham-radio
Subject: Multi-Mode Terminal Units
Message-ID: <584.25FC3924@weyr.FIDONET.ORG>
Date: 12 Mar 90 23:12:00 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 13
Posted: Tue Mar 13 00:12:00 1990

I would be interested in hearing comments from users of the Muilti-Mode TU's - PK232, KAM and MFJ 1278 (especially new versions).

How good are they on modes other than Packet? How well do they copy hand sent CW? Is the software from the manufacturers good or what programs do you find work well for you.

Nothing beats a first hand review from a product user!

73's de VE5KEN - Ken

--
Ken Crowston - via FidoNet node 1:140/22
UUCP: alberta!dvinci!weyr!Ken.Crowston
Internet: Ken.Crowston@weyr.FIDONET.ORG
Standard Disclaimers Apply...

From 154421408454599537
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-12 15:58:20 PST

```
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!cwjcc!
ncoast!allbery
From: allbery@NCoast.ORG (Brandon S. Allbery)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Message-ID: <1990Mar12.235820.10395@NCoast.ORG>
Date: 12 Mar 90 23:58:20 GMT
References: <9003051529.AA05504@pelham.med.unc.edu> <11689@cadnetix.COM>
Reply-To: allbery@ncoast.ORG (Brandon S. Allbery)
Followup-To: rec.ham-radio
Organization: North Coast Public Access UN*X, Cleveland, OH
Lines: 23
Posted: Tue Mar 13 00:58:20 1990

As quoted from <11689@cadnetix.COM> by rusty@cadnetix.COM (Rusty Carruth):
+---------------
| In article <9003051529.AA05504@pelham.med.unc.edu> pswecker@med.unc.edu (Peter
St.Wecker) writes:
| >        I'm continuing to work on my code speed towards the magic 13wpm, but
| >I'd like to get people's opinions on how best to do it.
|
| Well, I've not 'done it' yet, I'm currently working on it.  I'm listening
| to a tape while drivingn to and from work (not the whole time, maybe
| 5 to 15 minutes each way), and I've begun using one of those morse code
| programs on my AT (confusible, not the 'true blue' stuff :-) ).  The tape
+---------------

I'm using a program on my Mac, and waiting for my Sony 2010 to come in later
this month so I can get some *real* experience.  (The "boom-box" (see
rec.radio.shortwave) just doesn't cut it.)  I learned Morse at 5WPM, then
started increasing speed; I'm now at 8WPM and should jump to 10WPM on
Thursday (might be sooner, but Tuesday and Wednesday are going to be muy busy).

++Brandon
--
Brandon S. Allbery (human), allbery@NCoast.ORG (Inet), BALLBERY (MCI Mail)
ALLBERY (Delphi), uunet!cwjcc.cwru.edu!ncoast!allbery (UUCP), B.ALLBERY (GEnie)
BrandonA (A-Online) ("...and a partridge in a pear tree!" ;-)


From 2454110471583129420
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ece640e37948c554,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-12 17:28:06 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-
state.edu!uwm.edu!lll-winken!decwrl!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: computer rfi
Message-ID: <1250133@hpnmdla.HP.COM>
Date: 13 Mar 90 01:28:06 GMT
References: <100522@convex.convex.com>
```

Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 5
Posted: Tue Mar 13 02:28:06 1990

Get the antenna as far away from the computers as possible and use double-shielded coax or hardline. You may also have to shield the radio and add decoupling to power and control lines.

Al N1AL

From -60174746053925733
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bcd469bd7db3b5a3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-12 18:23:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!mailrus!iuvax!purdue!sage.cc.purdue.edu!ua2
From: ua2@sage.cc.purdue.edu (C. John Schmitz)
Newsgroups: rec.ham-radio
Subject: Design Project Ideas Wanted
Keywords: electronic, student
Message-ID: <3782@sage.cc.purdue.edu>
Date: 13 Mar 90 02:23:33 GMT
Reply-To: ua2@sage.cc.purdue.edu (C. John Schmitz)
Organization: Purdue University
Lines: 15
Posted: Tue Mar 13 03:23:33 1990

I'm looking for ideas and thought that maybe you netters could provide some helpful ideas. I'm a student at Purdue University and I need ideas for an electronic project.

Requirements:

1) Approx. 80 hours or less to complete.
2) No more than 2/3 can be premade or kit. The other 1/3 must be built up from the breadboard level.
3) It would be best as a stand alone project, i.e. capable of working by itself or with equipment I own. (NOT an absolute requirement.)

Please E-mail any ideas or parts of ideas that you may have.
Many thanks in advance.
John Schmitz   ua2@sage.cc.purdue.edu

From -2971040312212686383
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-12 21:30:39 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!van-bc!ubc-cs!uw-beaver!Teknowledge.COM!unix!hplabs!hpda!hpcupt1!hprnd!

hprmokg!barry
From: barry@hprmokg.HP.COM (Barry Fowler)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Message-ID: <29490013@hprmokg.HP.COM>
Date: 13 Mar 90 05:30:39 GMT
References: <9003051529.AA05504@pelham.med.unc.edu>
Organization: HP Networked Computer Mfg. Operation
Lines: 30
Posted: Tue Mar 13 06:30:39 1990

paulf@bodega.stanford.edu (Paul Flwrites:

FB, OM? UR 599 QSL VIA BURO 73 ES CUL SK

This is international good will? This is communications? Ugh.

...until you decide to run hf packet or rtty in "their" segment...

Sorry, Barry, but I tried it, and I didn't like it.

I agree. This kind of "conversation" is exactly what I want to stay away from. The same exists on SSB on those damned DX nets. That is why I often get on the novice bands. They haven't been screwed up by the contest mentality. Actually, shooting the bull can be lots of fun on either CW, SSB, or Unix for that matter. It all depends upon how one initiates the conversation. If it's "strictly business", the reply will be similar, as in typical conversations.

I just use CW as a means of meeting more friendly people without all of the backbiting and territorialism. 'Works fer me...

Adios,
Barry
WB6JZL

From -2505049085753761765
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,28120a40005fc215,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-13 00:10:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!KOLVI.HUT.FI!mto
From: mto@KOLVI.HUT.FI (Markku Toijala)
Newsgroups: rec.ham-radio
Subject: Hamradio software uploaded to SIMTEL20

```
Message-ID: <9002221123.AA12883@kolvi.hut.fi>
Date: 13 Mar 90 08:10:17 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 26
Posted: Tue Mar 13 09:10:17 1990
X-Unparsable-Date: Thu, 22 Feb 90 13:23:28 EET DST

I have uploaded two ham radio related files to WSMR-SIMTEL20.ARMY.MIL.
They are:

pd1:<msdos.hamradio>
DXCC104.ARC     DXCC Award logger and lister with statistics

An electronic DXCC Award logbook by OH2DN and OH2BU.  User can
select display from 5 different languages (English, Spanish,
German, Swedish and Finnish).  It also makes statistics about
confirmed/worked countries.


pd1:<msdos.hamradio>
SATRA10.ARC     Satellite tracker for MS-Windows

Satellite tracker with visual display using Microsoft Windows.
Maps can be displayed in two resolutions and Europe can be zoomed.
Also includes an interface to a (home-brew) rotator control.

Regards,   Markku (OH2BQZ)

--
Markku Toijala, OH2BQZ                 !   tel:      +358 0 4512467
Helsinki University of Technology      !
Otakaari 5 A                           !   Internet: mto@kolvi.hut.fi
SF-02150 Espoo,  Finland               !   UUCP:     {uunet,mcsun}!kolvi!mto


From 8408058265834450543
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fc25f6131052cc5a
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,fc25f6131052cc5a
X-Google-Attributes: gid114aac,public
X-Google-Thread: f9437,fc25f6131052cc5a
X-Google-Attributes: gidf9437,public
X-Google-ArrivalTime: 1990-03-13 04:48:50 PST
Path: gmdzi!unido!mcsun!ukc!newcastle.ac.uk!turing!q1ssd
From: C.Dennison@newcastle.ac.uk (C. Dennison)
Newsgroups: news.groups,rec.radio.shortwave,rec.ham-radio
Subject: Re: Call for discussion - rec.arts.tv.catv
Message-ID: <1990Mar13.124850.24587@newcastle.ac.uk>
Date: 13 Mar 90 12:48:50 GMT
References: <5188@quack.UUCP>
Sender: news@newcastle.ac.uk
```

Organization: Computing Laboratory, U of Newcastle upon Tyne, UK NE1 7RU
Lines: 21
Xref: gmdzi news.groups:16518 rec.radio.shortwave:688 rec.ham-radio:10174
Posted: Tue Mar 13 13:48:50 1990

In article <5188@quack.UUCP> mrapple@quack.UUCP (Nick Sayer) writes:
>I would like to open a discussion period on the possible formation
>of rec.arts.tv.catv, a group for the discussion of issues pertaining
>to cable TV. Possible issues include regulation, programming,
>quality of service and technical issues.

Wouldn't "rec.tv.cable" give a clearer indication of what the group was about?
Most of the 'rec.arts.tv' series tend to discuss program content, and I would
imagine that the kind of group that is being proposed here would be for
technical bits and bobs.
   Just a thought anyway!

Chris.

.

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+ Computing Science Dept, University of Newcastle | All opinions expressed     +
+ Newcastle upon Tyne, UK, NE1 7RU (091 265 2486) | are mine and mine alone!   +
+ ARPA: C.Dennison@newcastle.ac.uk                |      Chris Dennison        +
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
```

From 4932096958357684107
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,97a103534239c556,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-13 06:46:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!SC.INTEL.COM!RHAREL%FAB8
From: RHAREL%FAB8@SC.INTEL.COM ("RICHARD HAREL CAL.LAB INTEL")
Newsgroups: rec.ham-radio
Subject: Motorola SABER III's @ Dayton ???
Message-ID: <9003140802.AA17048@ucbvax.Berkeley.EDU>
Date: 13 Mar 90 14:46:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 21
Posted: Tue Mar 13 15:46:00 1990

Hello all you Motorola aficionados out there !

In my opinion, with all the features built into the Japanese
HT's these days,unfortunately we still have to treat them too
delicately to enjoy them as much as we ought to.

I'll be looking around this year at Dayton for Saber III's,
Motorola's gem of an HT. (upgrading my MT-500)

A few of these were around last year at Dayton and were
being sold at 700-900 dollars. I hope the price drops this year
like they already did on the once-so-pricey MX's.
If anyone has any comments on the subject and/or has info.
concerning availability at Dayton please contact me via
my return-path address. (Not via the Info-Hams address please).

73's
4X1DA @4Z4SV
RICH HAREL

DISCLAIMER
*THESE OPINIONS IN NO WAY ARE CONNECTED WITH THOSE OF MY EMPLOYER

From -3147645217693472564
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8116e8738488f14a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-13 07:30:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!tut.cis.ohio-state.edu!purdue!haven!mimsy!tank!jill
From: jill@tank.uchicago.edu (jill holly hansen)
Newsgroups: rec.ham-radio
Subject: Re: Forgiving the League for Incentive
Message-ID: <8024@tank.uchicago.edu>
Date: 13 Mar 90 15:30:19 GMT
References: <25@<14302> <30500442@ux1.cso.uiuc.edu>
Organization: The University of Chicago, (not the U of Illinois)
Lines: 24
Posted: Tue Mar 13 16:30:19 1990

In article <30500442@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
:
(edited)
:
: In order to not get foreign hams mad at us, we probably do need to keep some
: band segments relatively clear of the intense density of US hams. We can do
: this in many ways. We can keep TWO or THREE (but NOT FIVE) levels of HF privs
: and get the same effect. We can ALSO promote VHF/UHF MORE and HF LESS.
:
: Compromise is the name of the game.
:

I have to agree that the current hierachy doesn't address today's
technology. It seems very sad, however, that reform is inhibited, not
by the lack of good ideas, but by the FCC's computer.

However, this is probably the best opportunity we have to change the
system. If we don't respond now to the FCC with new and creative
ideas (even within the limitation of their computer), we will have no
one to blame but ourselves as new technology outpaces a very archaic

```
system.
--
========================================================================
     Jill Hansen               | Can you imagine what this world be like
jill@tank.uchicago.edu         | if God's operating system were Unix?


From -6617675533077757555
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f7a9232d319a0d1d
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-13 08:14:52 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!zaphod.mps.ohio-state.edu!rpi!
uwm.edu!lll-winken!decwrl!shelby!neon!kaufman
From: kaufman@Neon.Stanford.EDU (Marc T. Kaufman)
Newsgroups: rec.ham-radio
Subject: Re: Anthro 101
Message-ID: <1990Mar13.161452.6505@Neon.Stanford.EDU>
Date: 13 Mar 90 16:14:52 GMT
References: <9003120802.AA25835@ucbvax.Berkeley.EDU>
Organization: Computer Science Department, Stanford University
Lines: 12
Posted: Tue Mar 13 17:14:52 1990

In article <9003120802.AA25835@ucbvax.Berkeley.EDU> bob%50781.decnet@WPAFB-
AMS1.AF.MIL ("50781::BOB") writes:

>Re: Kok Chien's ideas for computer licenses...

>Novice/Techs will toggle in the boot strap code to a CDC MP-60, in Hex,
>from their own memories to the computer's. Betcha Seymour Cray could...

Nah. Seymour Cray couldn't count above 8.  All his stuff was octal or base-4.
LOTS of us know how to set the bootstrap code for a 6600, though...  the panel
was organized in octal, not hex.

Marc Kaufman (kaufman@Neon.stanford.edu)


From -6172012082258556285
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac37d32679d723e,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-13 10:16:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!STLAWU.BITNET!MROWEN
From: MROWEN@STLAWU.BITNET (Mike Owen W9IP)
Newsgroups: rec.ham-radio
Subject: Operating schedule
Message-ID: <9003140803.AA17103@ucbvax.Berkeley.EDU>
Date: 13 Mar 90 18:16:51 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
```

Lines: 7
Posted: Tue Mar 13 19:16:51 1990

Would someone please e-mail to me the current operating mode schedule for AO-13?

Thanks

Mike Owen W9IP/2
MROWEN @ STLAWU

From -5128927127835237l8
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e46c7bee1dd0c001,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-13 10:28:42 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!atha!lyndon
From: lyndon@cs.AthabascaU.CA (Lyndon Nerenberg)
Newsgroups: rec.ham-radio
Subject: HF verticals (summary)
Summary: HF6VX!
Message-ID: <1762@aurora.AthabascaU.CA>
Date: 13 Mar 90 18:28:42 GMT
Organization: Athabasca University
Lines: 41
Posted: Tue Mar 13 19:28:42 1990

Thanks to all for the responses to my posting about HF verticals. The hands down winner seems to be the Butternut HF6V, especially for roof mounted applications. Although it's a bit narrow banded on 40 and 80 (what vertical isn't?), it seems to show good SWR across the remaining bands (30-10). Butternut provides an add on kit for the WARC bands, as well as what seems to be a reasonably good radial kit.

There were a couple of comments about it handling significant ice loads with little difficults. This is important when you live at 51 degrees north :-)

A couple of people mentioned the Cushcraft AP8. From the people I've talked to, this antenna works well if you mount it on the ground with radials, but is almost hopeless when roof mounted. (When I called the local ham dealer, he refused to sell one to me when he found out where I was going to put it!)

Another response mentioned the August and December 1983 issues of CQ which contain articles on how to build a (legal) clone of the AV-25.

Out of the nine replies I received, six were for the HF6V. Since I was biased towards this one to begin with, guess what's going on the roof :-)

Thanks (in no particular order) to the following people for
giving me their thoughts on this:

Bill Meahan (WA8TZG), Tad Cook (KT7H), Mark (VE6MGS), Goh Kawai (N6UOK),
Mike Edelman (KE8YY), Chris Kelly (WD5IBS), Mike Harris (KM4UL),
haynes@ucscc.ucsc.edu, George La Belle (WB6YZZ).

I'll let you all know in a couple of weeks how this works out.
(See you Saturday on 10 :-)

--
Lyndon Nerenberg VE6BBM / Computing Services / Athabasca University
{alberta,decwrl}!atha!lyndon || lyndon@cs.AthabascaU.CA

UREP: Peru in disguise?

From 8574004100690628774
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f70628fdf8784a9c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-13 11:26:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!STL-06SIMA.ARMY.MIL!wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: Wait a minute...
Message-ID: <9003140803.AA17127@ucbvax.Berkeley.EDU>
Date: 13 Mar 90 19:26:09 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18
Posted: Tue Mar 13 20:26:09 1990

There have been a lot of postings to the effect of "we need {the no-code
license | the elimination of incentive licensing | your favorite cure-all}
because all the hams are dying out, there are too few new ones, and
we'll lose everything if we don't."

Yet, the following statement has appeared a couple times, and no one
has complained about it or refuted it:

```
: In order to not get foreign hams mad at us, we probably do need to keep some
: band segments relatively clear of the intense density of US hams.
                                    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
```

You can't have it both ways, folks.

Either there are too few hams, which means that we cannot have an "intense
density of US hams", or we already have too many, in which case you want
more arbitrary filters to reduce the candidates and fewer applicants.

Will

From 6740936071816408332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,52b301029eb49ec3,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,52b301029eb49ec3,start
X-Google-Attributes: gidfddbf,public
X-Google-Thread: 114aac,52b301029eb49ec3,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-03-13 11:50:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!orion.oac.uci.edu!uci-ics!ucla-cs!smcnet!lawrence
From: lawrence@smcnet.UUCP (Lawrence Roney)
Newsgroups: rec.ham-radio,rec.ham-radio.packet,rec.radio.shortwave
Subject: Weather Fax. HELP!!!!!
Message-ID: <710@smcnet.UUCP>
Date: 13 Mar 90 19:50:27 GMT
Organization: Santa Monica College, Santa Monica, CA 90405
Lines: 27
Xref: gmdzi rec.ham-radio:10169 rec.ham-radio.packet:1888 rec.radio.shortwave:687
Posted: Tue Mar 13 20:50:27 1990

Our Earth Science Department purchased a Kenwood R-2000 HF receiver and an AldenElectronics 9321 Weather Chart Recorder for reception of radio fax weather pictures. Being the resident ham on the staff of the college they assumed that I would know how to hook the gear up. Unfortunately I have not had much experience with HF yet. I have set up a long wire antenna and can hear some sort of data trasmission on the freqs. that came with the Alden docs. Nonetheless we have never seen anything printed in the fax machine except black lines.

The questions:

-- Is there a better way to receive weather pictures with different gear? Is there a TNC and PC setup that might work better than the paper based fax unit?

-- What should the receiver bet set on? (AM, USB, LSB, CW)

-- Is a long wire good enough or do we need a beam or something?

Any assistance or help would be greatly appreciated. Earth Science won't let me walk down their hall until I get this thing working.

--

Lawrence Roney - Santa Monica College Telecommunications Department
KC6HQR   1900 Pico Blvd., Santa Monica, CA 90405-1628
Mail: uunet!ucla-cs!smcnet!lawrence or ...!csun!smcnet!lawrence

From -8880785077370339600
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3b40e6e7d7cee24
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-13 13:58:55 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!think!yale!ox.com!umich!sharkey!lopez!flash
From: flash@lopez.UUCP (Gary Bourgois)
Newsgroups: rec.ham-radio
Subject: Re: Sweeping carrier in the HF bands
Message-ID: <1196@lopez.UUCP>
Date: 13 Mar 90 21:58:55 GMT
References: <3034@radio.oakhill.UUCP> <30500433@ux1.cso.uiuc.edu>
Organization: Great White North/UPLink, Marquette, MI
Lines: 79
Posted: Tue Mar 13 22:58:55 1990

phil@ux1.cso.uiuc.edu writes:

>> I have noticed (for some time now) a sweeping carrier
>> passing through the HF bands. It appears both in the
>> amateur HF bands and other HF frequencies as well.
>> It sounds just like someone spotting their VFO
>> as they spin the VFO dail up or down the band.
>> At first I assumed this was someone with bad
>> operating practices but after I noticed it on the
>> non-ham portions of the HF band I figured it was
>> some military station with annoying operating
>> practices.

What you are hearing is a CHIRPSOUNDER. This is a highly sophisticated device used by the military for plotting real time ionospheric conditions, for the determination of MUF and LUF. These devices (there are several of them) operate in the manner described, sweeping from about 3khz to 30khz at a uniform rate, and a transmitter and receiver plot the spectrum characteristics over a number of global paths, and the display (so I have been told) is a very beautiful on screen representation of the current condition of the entire radio spectrum. Too bad this info is not available to the general public (Oh if only I could provide this on our system here!)... BUT it is a pretty hush hush deal.

There are other noises you will hear in ham bands and elsewhere that first appear to be random, but are actually military in origin (Spread spectrum, etc). There are digital "buzzes" which are used with radio navigation, and these can pop up anywhere, EVEN IN THE HAM BANDS. There is also a very strange sound that I call a "Pock-a-pock" which sounds sort of like someone hitting a microphone with a pencil, but upon careful listening the seemingly random patterns are repeated (I noticed this by accident while playing a recording while simultaneously receiving the signal again live, and found that the pattern was repeated) In addition to hearing these sounds regularly for YEARS on my nightly operating frequency of 3950khz, they also show up on MILITARY channels like 6761, and you can bet your binaries that if this was some sort of pirate activity, it would not have lasted long THERE. These sounds have been around for YEARS. The fact that they are seemingly random leads operators to believe that they are local in origin, but in reality they are heard almost world wide.

There is also an obnoxious signal on 3922 in the 75m band, which reportedly originates in CUBA. It is hand keyed gibberish CW, and it splatters all up the band. It has wiped out communication on 3950, where a "negative spur" shows up during the transmissions. (When the transmitter is UNKEYED, it puts this terrible NOISE on 3950).

I wonder whatever happened to INTRUDER WATCH. Of course, if your own government is responsible for the interference, I guess they have first "dibs" on the spectrum, eh?

Lots of strange signals out there in the wee hours. Join us on 3950 some morning around 1 or 2am and listen, you will hear this stuff. I imagine it shows up elsewhere as well....

>I've heard this many times myself. One time I heard it running across the
>20 meter band DOWNWARD and I decided to CHASE IT. It was moving about 20
>khz per second, and just suddenly switched off somewhere around 12.7 Mhz.
>
>> I now belive that none of the above explanations
>> apply. I think this sweeping carrier is some sort
>> of HF propogation sounder. It probably is finding
>> the MUF and collecting data relating to HF
>> propogation vs. frequency vs. time. If this is
>> true how can the FCC license such an obnoixous
>> thing?

>Potentially under Part 5 rules. Read them.

>--Phil Howard, KA9WGN--
><phil@ux1.cso.uiuc.edu>

--
== 14.313 == Amateur Radio Forum Saturday 11:00AM Eastern time == 14.313 ==
== Gary Bourgois flash@lopez (rutgers!sharkey!lopez!flash) GWN UPLink ==
== 3.950 Nationwide Amateur Radio Nightly after 0200z=Learning Channel ==
=============== WB8EOH = The Eccentric Old Hippie = WB8EOH ================

From -2960342701041228770
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,954383752e03c373,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-13 15:04:41 PST
Path: gmdzi!unido!mcsun!sunic!tut!santra!puukko.hut.fi!s36572u
From: s36572u@puukko.hut.fi (Karl Tigerstedt)
Newsgroups: rec.ham-radio

Subject: TS-790 Sat feature
Message-ID: <1990Mar13.230441.478@santra.uucp>
Date: 13 Mar 90 23:04:41 GMT
Sender: news@santra.uucp (Cnews - USENET news system)
Reply-To: s36572u@puukko.hut.fi (Karl Tigerstedt)
Organization: Helsinki University of Technology, Finland
Lines: 8
Posted: Wed Mar 14 00:04:41 1990

Does anyone know a a better way to use the sat feature on the Kenwood ts-790 than to constantly press the sat button, when you want to change the sub rx frequency to the corresponding uplink on the main. I really was hoping that the sat function would do the inverse of what the function 'trace' does, in other words, it would simultaneously change the sub frequency, when you rotate the main vfo knob. Can this be done? In my opinion, the info on this point in the manual is inadequate.

From 6028007255021240972
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cc5f587d7e79b17d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-13 15:09:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!tut.cis.ohio-state.edu!ucsd!nosc!crash!scotto
From: scotto@crash.cts.com (Scott O'Connell)
Newsgroups: rec.ham-radio
Subject: Kenwood TM631A/731A Mods
Message-ID: <1825@crash.cts.com>
Date: 13 Mar 90 23:09:09 GMT
Reply-To: scotto@crash.cts.com (Scott O'Connell)
Organization: Crash TimeSharing, El Cajon, CA
Lines: 15
Posted: Wed Mar 14 00:09:09 1990

Greetings!

I am looking for the modification information for the new Kenwood 631A/731A Dual-Banders.

Please post as I know of at least three others who are also looking for this information.

Thanks in advance.

--
Scott O'Connell UUCP: {nosc, ucsd, hplabs!hp-sdd}!crash!ipars!scotto
ARPA: crash!ipars!scotto@nosc.mil
INET: scotto@ipars.cts.com

From -1974074904072725222
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,71ccba4c84034456
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-08 08:18:31 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!jarvis.csri.toronto.edu!cs.utexas.edu!uwm.edu!grc!gary
From: gary@grc.UUCP (Gary Sutcliffe)
Newsgroups: rec.ham-radio
Subject: Re: Bad operators and dangerous DXing
Keywords: contests RFI guns
Message-ID: <595@grc.UUCP>
Date: 8 Mar 90 16:18:31 GMT
References: <9003021656.AA29819@ucbvax.Berkeley.EDU> <656@west.West.Sun.COM> <21316@netnews.upenn.edu> <39223@apple.Apple.COM> <223@prdmgt.Columbia.NCR.COM>
Reply-To: gary@grc.UUCP (Gary Sutcliffe)
Organization: GENROCO, Inc., Slinger, WI
Lines: 29
Posted: Thu Mar 8 17:18:31 1990

In article <223@prdmgt.Columbia.NCR.COM> flake@prdmgt.Columbia.NCR.COM (Joe Flake) writes:
>In previous articles
>>>... poor contest operators ...
>>>... about 5 contacts, during which he never said his call.

The worst case I ever heard was a certain 9Q5 station a year or two ago. He refused to give his call after many QSOs. One big gun station worked him and asked for his call. The 9Q5 said he *just* gave his call 5 minutes ago and would do so again in 10 more minutes!

A couple of people commented that some DX stations don't ID to keep the pileups down. I think KH6BZF (Bloomin' Zipper Flipper) has the best way to handle that. Lee turns down his power when the pileup gets too big. Fewer stations can copy him, thus few call. Keeps QRM down all around.

My policy on stations who don't ID after several contacts: He is wasting your time making you wait. I will work him again and ask for his call. If its a dupe I'm not sorry I wasted his time.

I also keep a band activity sheet during slower times (Sunday afternoon). I write down the frequency and call of the guys who don't ID frequently. Later if I tune across him again I don't waste time trying to figure out who he is a second time.

73
--
Gary Sutcliffe W9XT   GENROCO, Inc. Slinger, Wis. (414) 644-8700
{ames, rutgers, harvard} uwvax!uwm!grc!gary

From 2928251512605838287

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,816e9230e7b542b0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-08 10:33:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!att!cbnewse!parnass
From: parnass@cbnewse.ATT.COM (Bob Parnass, AJ9S)
Newsgroups: rec.ham-radio
Subject: Re: DUAL BANDER RIGS AS REPEATERS ???
Summary: speak only English?
Message-ID: <13448@cbnewse.ATT.COM>
Date: 8 Mar 90 18:33:48 GMT
References: <30500436@ux1.cso.uiuc.edu> <7326@jpl-devvax.JPL.NASA.GOV>
Organization: AT&T Bell Laboratories, Naperville, IL
Lines: 17
Posted: Thu Mar  8 19:33:48 1990
```

In article <7326@jpl-devvax.JPL.NASA.GOV>, jta@hydra.tmc.edu (Jon T. Adams) writes:

> ... and none of them speak English
> anyway (how about a "English Only" license?!?!). (sigh.)

...

> Adios - Jon

Is this English?

--
==
Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihuxz!parnass (708)979-5414

```
From 8775132587969405925
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,65a62aad3d49c135,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-08 12:30:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!mintaka!think!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!dgc.ceo.dg.COM!Don_Lewine
From: Don_Lewine@dgc.ceo.dg.COM
Newsgroups: rec.ham-radio
Subject: QSL Routes
Message-ID: <9003082130.AA00037@rtp40.dg.com>
Date: 8 Mar 90 20:30:58 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Thu Mar  8 21:30:58 1990
```

CEO summary:

Can anyone supply QSL routes for the following?

5H3TW	Tanzania
EA8BSI	Canary Islands
FR4FD	Reunion Island
HZ1AB	Saudi Arabia

-- Thanks
Donald Lewine WB2UMF
lewine@dg-rtp.dg.com

From -9034719496212660173
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-08 14:49:13 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp!deimos!ux1.cso.uiuc.edu!brutus.cs.uiuc.edu!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!decwrl!shelby!neon!bodega.stanford.edu!paulf
From: paulf@bodega.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Message-ID: <1990Mar8.224913.15562@Neon.Stanford.EDU>
Date: 8 Mar 90 22:49:13 GMT
References: <9003051529.AA05504@pelham.med.unc.edu> <29490012@hprmokg.HP.COM>
Sender: root@Neon.Stanford.EDU (System PRIVILEGED Account)
Reply-To: paulf@bodega.stanford.edu (Paul Flaherty)
Organization: The Three Packeteers
Lines: 26
Posted: Thu Mar 8 23:49:13 1990

In article <29490012@hprmokg.HP.COM> barry@hprmokg.HP.COM (Barry Fowler) writes:
>The Morse programs teach you how to pass the test but not how to
>operate CW. Many of my friends are afraid to get on the CW bands because
>they only copy "sanitized CW" from their PC.

For some of us, that's fine. I learned CW for the sole purpose of obtaining a license. At that, it took me ten years to convince myself that it was worth my time.

>Who knows??? You might even have fun.

FB, OM? UR 599 QSL VIA BURO 73 ES CUL SK

This is international good will? This is communications? Ugh.

>Seriously, it is important to be able to get on the air with CW and
>there are some really nice people on the bands. Not as much
>"territorialism" as in the phone bands.

...until you decide to run hf packet or rtty in "their" segment...

Sorry, Barry, but I tried it, and I didn't like it.

--
-=Paul Flaherty, N9FZX/VK2WYX | "Unix could use a more user-friendly front
->paulf@shasta.Stanford.EDU | end. Does anyone have a card punch handy?"

From 4814758870060344577
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,94e5d9f96c4cf579
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-08 15:05:09 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!hplabs!hp-pcd!hplsla!charlier
From: charlier@hplsla.HP.COM (Charlie Panek)
Newsgroups: rec.ham-radio
Subject: Re: Misc. DX QSL Information - Fall/Winter 1989/90
Message-ID: <5720061@hplsla.HP.COM>
Date: 8 Mar 90 23:05:09 GMT
References: <8573@shlump.nac.dec.com>
Organization: HP Lake Stevens, WA
Lines: 12
Posted: Fri Mar 9 00:05:09 1990

Jim Reisert writes:

>FS/KC1F   via KC1F

    My envelope to KC1F was returned by the post office: "Moved,
left no address". The address from the marvin server was
     119 Brooks St, Brighton, MA 02135

  Anyone have any better info?

Charlie, KX7L (UUCP: hplabs!hp-pcd!hplsla!charlier)
              (domain: charlier%hplsla@hplabs.hp.com)

From -3243315019449692664
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,badcc37c0cd831ed,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-08 16:31:22 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!atha!lyndon
From: lyndon@cs.AthabascaU.CA (Lyndon Nerenberg)
Newsgroups: rec.ham-radio
Subject: Need recommendations for HF vertical.
Message-ID: <1754@aurora.AthabascaU.CA>
Date: 9 Mar 90 00:31:22 GMT
Organization: Athabasca University
Lines: 14
Posted: Fri Mar 9 01:31:22 1990

Time to get back on HF ... I'm looking for a vertical that will cover

80 - 10 metres, including the WARC bands. The antenna will be roof mounted on a fourplex, so I have quite a bit of room to play around with radials. It doesn't have to handle full power, since the rig only pumps out 150 watts or so. Coverage of the 160 metre band would be nice, but it's not mandatory.

Please email and I'll summarize.

--
Lyndon Nerenberg VE6BBM / Computing Services / Athabasca University
{alberta,decwrl}!atha!lyndon || lyndon@cs.AthabascaU.CA

UREP: Peru in disguise?

From 2685829603915184182
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7dcc034c9a6b2260,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-08 17:26:45 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!tut.cis.ohio-state.edu!pt.cs.cmu.edu!andrew.cmu.edu!hs0u+
From: hs0u+@andrew.cmu.edu (Harry Stumpf)
Newsgroups: rec.ham-radio
Subject: Wanted: 440 preamp recommendations
Message-ID: <QZxkNJ600WB70YEEVT@andrew.cmu.edu>
Date: 9 Mar 90 01:26:45 GMT
Organization: Physics, Carnegie Mellon, Pittsburgh, PA
Lines: 8
Posted: Fri Mar 9 02:26:45 1990

The Carnegie Tech ARC (W3VC) plans to buy a 440 MHz preamp soon and would appreciate any recommendations, pointers to good review articles, and/or any "Horror Stories". The preamp will be used for SSB, ATV, and satellite work. Thanks and 73.

-Harry NR3L-

de whiskey three vitamin c

From 803836612527778086
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,699c81ee8a670f20,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-08 17:41:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: what CODELESS class is FOR
Message-ID: <30500440@ux1.cso.uiuc.edu>

Date: 9 Mar 90 01:41:11 GMT
Lines: 32
Nf-ID: #N:ux1.cso.uiuc.edu:30500440:000:1331
Nf-From: ux1.cso.uiuc.edu!phil   Mar 8 16:18:00 1990
Posted: Fri Mar 9 02:41:11 1990

It seems we are getting lots of alternative ideas on new license classes and examination strategies. These ideas I have seen fail to address many issues and are essentially worthless in their limited scope. Therefore I want to bring up some of the issues so that if you get some ideas, you can work on making your idea address the issues (even if the idea is why the issue is not important).

I do in fact like to read other ideas, but I don't get much out of them if they are incomplete.

What is a codeless license class for?

In general it is to provide for a means for people who want to operate only certain subsets of amateur radio activities to be able to do so without having to learn morse code. If you believe that one should learn morse code for these particular activities, please say so and why you believe so. If you have an alternative licensing idea, please include a means to allow these people access to these activities (or explain why they should not have access).

1. microwave experimentation
2. high speed radio networking
3. general packet radio
4. ATV experimenting
5. voice repeater systems and networking
6. public service radio operation VHF/UHF

By no means is the above list complete, but an idea leaving out any of these is also incomplete.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From -2948539172535603603
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3d9c041d6e27e2d6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-08 18:38:22 PST
Path: gmdzi!unido!mcsun!uunet!deimos!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!m.cs.uiuc.edu!kenny
From: kenny@m.cs.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Measurement of Harmonics
Message-ID: <13900017@m.cs.uiuc.edu>
Date: 9 Mar 90 02:38:22 GMT
References: <7880130@hpfcdc.HP.COM>

```
Lines: 21
Nf-ID: #R:hpfcdc.HP.COM:7880130:m.cs.uiuc.edu:13900017:000:608
Nf-From: m.cs.uiuc.edu!kenny    Mar  8 12:34:00 1990
Posted: Fri Mar  9 03:38:22 1990


>The main problem is finding an attenuator that can take 1KW+ down to a
>level that will not fry the spectrum analyzer or find a directional
>coupler that will do the same thing (although the ARRL handbook says this
>is not as accurate)..

Uh, what's the problem?  You *do* have a dummy load that will take
your transmitter's full power, right?  Use that as the input resistor
for your attenuator: something like

         2.2K (or whatever)
Input---+-------v^v^v^----------+------------ Output
     |             |
     > 50 ohm      > 50 ohms
     > dummy           >
     > load            >
     |             |
       ===               ===
      ///           ///

Kevin, KE9TV


From -6654623873058152986
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f2619343ff77c5d5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-08 18:49:49 PST
Path: gmdzi!unido!mcsun!uunet!deimos!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Ham regs question.
Message-ID: <30500441@ux1.cso.uiuc.edu>
Date: 9 Mar 90 02:49:49 GMT
References: <405@forsight.Jpl.Nasa.Gov>
Lines: 19
Nf-ID: #R:forsight.Jpl.Nasa.Gov:405:ux1.cso.uiuc.edu:30500441:000:898
Nf-From: ux1.cso.uiuc.edu!phil    Mar  8 17:09:00 1990
Posted: Fri Mar  9 03:49:49 1990


> I am curious if it is legal (note: legal with regards to FCC regs, not
> local freq coords etc.), to have a cross band repeater with input on
> 440 band and output on 144 or 220 band, or visa versa.

As one who has read the CURRENT rules over many times, I personally would
not hesitate to put up and operate such a repeater, provided I can do so
without causing intereference to any other communications, and had the
```

equipment to do it.

I would NOT put up a remotely controlled phone patch (not part of a repeater and thus not under automatic control) with INPUT BELOW 220.5 Mhz (or on the 431-433 or 435-438 Mhz subbands). I am giving serious thought to putting one up on something like 446.475 in and 146.475 out, which would be full duplex, and in fact fitting the local band plan simplex channelling with an easy to remember 300 Mhz split.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From 5020319521643909726
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,346f1bff90975e86
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-08 18:52:37 PST
Path: gmdzi!unido!mcsun!uunet!wshb!mikebat!michaelb
From: michaelb@mikebat.UUCP (Michael R. Batchelor)
Newsgroups: rec.ham-radio
Subject: Re: NPRM 90-55 - No test code priviledg
Summary: Why not 12W PEP?
Message-ID: <311@mikebat.UUCP>
Date: 9 Mar 90 02:52:37 GMT
References: <526@ssc.UUCP> <30500438@ux1.cso.uiuc.edu>
Organization: M. Batchelor's PC7300, Beaufort, SC
Lines: 25
Posted: Fri Mar 9 03:52:37 1990

In article <30500438@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
>
> >   International reg's
> > only require a knowledge of CW for HF operation.
>
> I believe they required demonstrating such knowledge in advance

International regs require knowledge of code for INTERNATIONAL communications pivileges, NOT for operations below 30 MHz. Witness the dreaded CB'ers. They operate below 30 MHz (some of them legally) and are not required to pass a code test. There really isn't any reason a new class license couldn't be given a low power HF limit (or high power for that matter) and restricted to US contacts only below 30 MHz.

Of course, the ideal solution would be to bring back the canned FCC code tests and anyone who wanted to could memorize the QSOs just like you memorize the question pool.

Michael
--
Michael Batchelor / \113\101\067\132\116\132   uunet!wshb!mikebat!michaelb
       The ability to advance the leading edge of technology is

constrained by the ability to prune the trailing edge.
-- Charles Dickens (Stanford)

From -4389958767001353288
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,541883e801c4ad21,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-08 19:16:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!think!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!UWPLATT.EDU!UCSBPM
From: UCSBPM@UWPLATT.EDU ("Brian P. McCarty ", N9IWP)
Newsgroups: rec.ham-radio
Subject: macmorse
Message-ID: <C9BE1F5A3E3FE01FB8@uwplatt.edu>
Date: 9 Mar 90 03:16:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18
Posted: Fri Mar 9 04:16:00 1990

Does anyone know of any public domain/freeware/shareware morse programs for the mac? (I have an SE, 2.5 Meg of RAM, single floppy+HD system). It must be able to Farnsworth, and xmit a user entered message (we plan on using it to give tests). Random messages a strong plus. Being on macserve@pucc or avaialable to a lonely bitnet site also a strong plus. Thanks in advance.

With all the talk about code vs. no-code, no one has stated the REAL reason to learn morse. To know what they are saying in old war movies! (if anything). On a side note, anybody copy anything in The Hunt for Red October? "My morse is so rusty I could be sending the measurements of the latest centerfold"--The capt. of the Dallas (I think).

Brian P. McCarty (N9IWP)
bitnet:UCSBPM@UWPLATT
internet:UCSBPM@UWPLATT.EDU
p.s. to the person who needs to be nagged to get it so bitnet sites can access the callsign server: you are officially nagged.

From -210748902230781091
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c3d7512da1f6867c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-08 21:36:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!hellgate.utah.edu!helios.ee.lbl.gov!nosc!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley__Wb6wui)
Newsgroups: rec.ham-radio
Subject: Re: Dak radio
Message-ID: <1779@crash.cts.com>
Date: 9 Mar 90 05:36:01 GMT

Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 13
Posted: Fri Mar 9 06:36:01 1990

I bought a audio spectrum analyzer/equalizer a couple years ago. It was termed a final close-out then and it's still being sold. But I'm satisfied with the merchandise and would purchase again if I found something appealling. I don't much like the cutsey catalog and I deplore the Shipping/handling charge which seems to have no rhyme or reason with respect to actual shipping charges incurred by DAK. I would just as soon see the listed price include the handling (a rather normal cost of mail order business) and the shipping charges could be imbedding the price also. Any premium shipping methods could be surcharged. Gosh, I feel a little better now.

```
Mike Shirley, WB6WUI          INET: mikey@pnet01.cts.com
PO Box 460, Lakeside, CA      ARPA: crash!pnet01!mikey@nosc.mil
            92040-0460        UUCP: {hplabs!hp-sdd nosc}!crash!pnet01!mikey
```

From -1488226297690887505
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-08 21:50:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!tut.cis.ohio-state.edu!purdue!bu.edu!lectroid!jjmhome!cpoint!frog!john
From: john@frog.UUCP (John Woods)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Message-ID: <12860@frog.UUCP>
Date: 9 Mar 90 05:50:00 GMT
References: <9003051529.AA05504@pelham.med.unc.edu>
Organization: Misanthropes-R-Us
Lines: 15
Posted: Fri Mar 9 06:50:00 1990

In article <9003051529.AA05504@pelham.med.unc.edu>, pswecker@med.unc.edu (Peter St.Wecker) writes:
>   Well, I finally passed my 5wpm, and am going to take the novice and
> tech. tests (and maybe the general) tonight!
>   I'm continuing to work on my code speed towards the magic 13wpm, but
> I'd like to get people's opinions on how best to do it.

Well, my suggestion would be: hide your microphone. Work a LOT of CW. This way, you practice your code and have fun at the same time!

Obviously, your mileage will vary. But if only I had had a big enough ego to study for the Extra written exam, I could have gone from Novice to Extra in four months, instead of just to Advanced...
--
John Woods, Charles River Data Systems, Framingham MA, (508) 626-1101
...!decvax!frog!john, john@frog.UUCP, ...!mit-eddie!jfw, jfw@eddie.mit.edu

From 3584942353724298418
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,355b673299430ced,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-09 04:21:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!GTE.COM!pescatore_jt%ncsd.dnet
From: pescatore_jt%ncsd.dnet@GTE.COM
Newsgroups: rec.ham-radio
Subject: QSL Route for 5H3TW
Message-ID: <9003091221.AA23119@bunny.gte.com>
Date: 9 Mar 90 12:21:39 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1
Posted: Fri Mar 9 13:21:39 1990

QSL 5H3TW via K3ZO

From -7709229883764566648
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,735e34cbe3116c27,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-09 04:22:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!GTE.COM!pescatore_jt%ncsd.dnet
From: pescatore_jt%ncsd.dnet@GTE.COM
Newsgroups: rec.ham-radio
Subject: Contester E-Mail addresses
Message-ID: <9003091222.AA23129@bunny.gte.com>
Date: 9 Mar 90 12:22:20 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 22
Posted: Fri Mar 9 13:22:20 1990

Periodically, there have been postings by contesters here. I put together a writeup for the Potomac Valley Radio Club bulletin on how to access stuff on the net and there was a lot of interest in E Mail to other contesters. I including a few addresses I knew, such as KM3T, WN4KKN, K1EA.

I was asked by several PVRCers to put together a more comprehensive list. If any contesters out there are interested, send me some E-Mail direct and I will compile the addresses and send the distribution file back out. Big gun, little gun, pop gun, top gun, whatever, if you're interested or active in contesting send your net address to PESCATORE_JT%NCSD@GTE.COM and some time in the distant future I'll compile them.

P.S. My comment on the stations who run a pileup without identifying: I listen for three contacts, then work them. If it is a dupe we both wasted time. K3NA calls it the "crow threshold": you should identify whenever the sounds of "call! call!" rise above the crowd. However, a lot of people start caw-ing without listening AT ALL.

In the ARRL contest some DX stations were smart and used an odd-ball power for the exchange, which made it easy to ID the station without the call. I always knew it was TI2DU when I heard him send 59 900. In the CQ contests, the zone helps a little but not as much.

73 John WB2EKK PESCATORE_JT%NCSD@GTE.COM 301-294-8486

From -6824535324878162241
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c2505064c2ff78b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-09 06:00:18 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!jarvis.csri.toronto.edu!utgpu!
watserv1!watmath!att!cbnewse!waco
From: waco@cbnewse.ATT.COM (john.l.broughton)
Newsgroups: rec.ham-radio
Subject: Re: Bad operators and dangerous DXing
Keywords: listen, good operating habits
Message-ID: <13465@cbnewse.ATT.COM>
Date: 9 Mar 90 14:00:18 GMT
Organization: AT&T Bell Laboratories
Lines: 28
Posted: Fri Mar 9 15:00:18 1990

Just a few comments on the subject of DX stations identifying or not identifying after every QSO. As a "little gun" DXer who has always operated barefoot, and intends to keep doing so, I have learned that listening more than talking results in less frustration and more satisfaction. Yes, it is somewhat frustrating to hear a large pileup and not be able to immediately identify the station at the other end. However, all DX stations do identify periodically. If you are a big gun who has to get in and out immediately, so be it. I have found that if I listen a few minutes I will find out who the station is and usually the QSL information without cluttering up the frequency by asking "Who is this station, where is it, what's your call?", etc.

Some DX stations are more proficient at identifying at short intervals and providing QSL information than others. But if you REALLY NEED the country it is worth a little listening. Good operating procedures do work for chasing DX; listen and make your call when you know the other station can hear you and keep it short. I have heard countless DX stations come back to stations who keep calling and calling and never listen so never hear the DX station calling them.

Use your ears more than your mouth and you may be surprised how many DX contacts you might be able to make.

From 2632262151817496513
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1adeef9379fd36ff,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-09 06:32:45 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!apple!oliveb!orc!decwrl!
From: reisert@victim.enet.dec.com (Jim -- LTN1-2/H03 -- DTN 226-6905 09-Mar-1990 0933)
Newsgroups: rec.ham-radio
Subject: Re: Misc. DX QSL Information - Fall/Winter 1989/90
Message-ID: <9003091432.AA22914@decwrl.dec.com>
Date: 9 Mar 90 14:32:45 GMT
Organization: Digital Equipment Corporation
Lines: 28
Posted: Fri Mar 9 15:32:45 1990

In article <5720061@hplsla.HP.COM>, Charlie, KX7L writes...

>   My envelope to KC1F was returned by the post office: "Moved,
>left no address". The address from the marvin server was
>   119 Brooks St, Brighton, MA 02135

> Anyone have any better info?

I do, I do. Apparently Stu hasn't updated his callbook address yet, or the
on-line callbook doesn't have the latest information, a more likely story,
since I've seen this sort of thing time and time again.

His current address is:

Stu Santelmann
20 Larch Road
Milford, NH 03055

=-=

"The opinions expressed here in no way represent the views of Digital
Equipment Corporation."

James J. Reisert   Internet: reisert@tallis.enet.dec.com
Digital Equipment Corp.   UUCP: ...decwrl!tallis.enet!reisert
295 Foster Street
P.O. Box 1123
Littleton, MA 01460

From -7489514920537349608

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,45a8dc36027108e7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-09 06:40:05 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!jarvis.csri.toronto.edu!mailrus!
cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!decwrl!
From: reisert@victim.enet.dec.com (Jim -- LTN1-2/H03 -- DTN 226-6905 09-Mar-1990
0940)
Newsgroups: rec.ham-radio
Subject: Re: QSL Routes
Message-ID: <9003091439.AA23656@decwrl.dec.com>
Date: 9 Mar 90 14:40:05 GMT
Organization: Digital Equipment Corporation
Lines: 22
Posted: Fri Mar  9 15:40:05 1990

In article <9003082130.AA00037@rtp40.dg.com>, Donald Lewine, WB2UMF, asks...

>Can anyone supply QSL routes for the following?

>     5H3TW     Tanzania    >>>  via K3ZO
>     FR4FD     Reunion Island   >>>  via F6FYA
>     HZ1AB     Saudi Arabia     >>>  via K8PYD

You're welcome.

jim, AD1C

=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=

"The opinions expressed here in no way represent the views of Digital
 Equipment Corporation."

James J. Reisert                Internet: reisert@tallis.enet.dec.com
Digital Equipment Corp.         UUCP:     ...decwrl!tallis.enet!reisert
295 Foster Street
P.O. Box 1123
Littleton, MA  01460


From 6986179115995540921
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c2505064c2ff78b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-09 07:06:23 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!jarvis.csri.toronto.edu!mailrus!
cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!decwrl!
From: reisert@victim.enet.dec.com (Jim -- LTN1-2/H03 -- DTN 226-6905 09-Mar-1990
0936)
Newsgroups: rec.ham-radio
Subject: Re: Bad operators and dangerous DXing
Message-ID: <9003091506.AA26681@decwrl.dec.com>
Date: 9 Mar 90 15:06:23 GMT
```

Organization: Digital Equipment Corporation
Lines: 23
Posted: Fri Mar 9 16:06:23 1990

In article <595@grc.UUCP>, Gary Sutcliffe, W9XT, writes...

>A couple of people commented that some DX stations don't ID to keep the
>pileups down. I think KH6BZF (Bloomin' Zipper Flipper) has the best
>way to handle that. Lee turns down his power when the pileup gets too
>big. Fewer stations can copy him, thus few call. Keeps QRM down all
>around.

And if you asked Lee what his callsign was last weekend, he'd say, "KH6
Bloomin Zipper Flipper. Aren't you glad you asked?"

73, jim AD1C

=-=

"The opinions expressed here in no way represent the views of Digital
 Equipment Corporation."

James J. Reisert   Internet: reisert@tallis.enet.dec.com
Digital Equipment Corp.   UUCP: ...decwrl!tallis.enet!reisert
295 Foster Street
P.O. Box 1123
Littleton, MA 01460

From -3422288972306108226
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7fb63c886cf297f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-09 07:18:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!
ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com (DUBE TODD)
Newsgroups: rec.ham-radio
Subject: Forgiving the League for Incentive Licensing
Message-ID: <9003091756.AA04315@ti.com>
Date: 9 Mar 90 15:18:58 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 7
Posted: Fri Mar 9 16:18:58 1990

"Forgiving" presupposes that the forgivee has done harm. Tell me what's wrong
with incentive licensing....or incentive anything else for that matter. While
there are those who obviously don't like the League, this shouldn't be taken
as evidence that it is the Evil Empire.

73,
Dube Todd,   N5PDK

From -2884468471545299077
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4e57d435d7a976f1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-09 07:39:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!BUSINESS.UWO.CA!JHOWARD
From: JHOWARD@BUSINESS.UWO.CA (JOHN HOWARD)
Newsgroups: rec.ham-radio
Subject: sail boats
Message-ID: <9003091656.AA21377@ria.ccs.uwo.ca>
Date: 9 Mar 90 15:39:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Fri Mar 9 16:39:00 1990

I'm looking for some advice on running a ICOM-735 from my sailboat. A good attena idea is what I need. I know many folks use insulated backstays but this mod looks expensive. I have the 3m mobile whip that is sold with the radio. Is this likely to work? If so how to ground? Are there better options for HF?
Long time no sea - but the season is coming!

From 2872595875495900304
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7fb63c886cf297f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-09 07:54:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!lll-winken!decwrl!ucbvax!hplabs!hp-pcd!hpcvca!hpcvck!mcross
From: mcross@hpcvck.CV.HP.COM (Minor Cross)
Newsgroups: rec.ham-radio
Subject: Re: Forgiving the League for Incentive Licensing
Message-ID: <5440012@hpcvck.CV.HP.COM>
Date: 9 Mar 90 15:54:27 GMT
References: <20638@bellcore.bellcore.com>
Organization: Hewlett-Packard Co., Corvallis, Oregon
Lines: 22
Posted: Fri Mar 9 16:54:27 1990

Here in the Willamette valley of Oregon we (three different VE teams) recognized some of these problems that VE's go through. WE asked ourselves how could we change things!   We got together and agreeded (strange word for hams huh?) to hold a VE session once a quarter and then agreeded upon the second saturday of the month. This keeps each team to only having to do a session every 3 months (less chance of burnout) and gives all the hams in the area a scheduled chance of taking a test.

We contacted the local community college and are teaching novice classes each

quarter(the last class just "graduated" 12 novices and 1 tech!). Note that one 12 year old was in the class the rest were > 40!
(Insert Standard Disclaimer notice here:)

```
           ___
       /  /        Minor Cross     KD7YJ
      /  /        Hewlett-Packard  Northwest IC Division  [ NID ]
     /  /_____           _________       1020 NE Circle Blvd.
       /  ___   /  ____    /  ___   /     Corvallis, OR   97330
      /  /  /  /  /___/   /  /__/  /       -------------------------
     /__/  /__/          /  ______/       AT&T:  (503) 750-2044
                        /  /           HP telnet  750-2044
                /__/     }inhp4!hplabs!hp-pcd!hpcvca!hpcvck!mcross
```

```
From 6384863420356704609
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ec31afeae67241f6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-09 08:17:17 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!
ucbvax!IBM.COM!ENGE
From: ENGE@IBM.COM ("Roy Engehausen")
Newsgroups: rec.ham-radio
Subject: UNIDEN HR/2600 MODIFICATIONS.
Message-ID: <030990.081625.enge@ibm.com>
Date: 9 Mar 90 16:17:17 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Fri Mar  9 17:17:17 1990
```

Can anyone provide me with a schematic and a pin out of IC-315 (CPU) for the Uniden HR/2510?

Would like to do a comparison between my 2600 and the 2510.

Also, if anyone has any info on extending the range of band segment "D" from 29.500 to 29.999 Mhz instead of the factory 29.500 to 29.699, Please drop me a line.

Thank You

Paul Hagar N2FAN   Please use CALLUP for address. Poughkeepsie, N.Y.

P.S. = My HR2600 does not have a potted CPU chip!

```
From -5126953283839548939
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7dcc034c9a6b2260
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-09 08:39:32 PST
```

Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!wuarchive!udel!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio
Subject: Re: Wanted: 440 preamp recommendations
Message-ID: <643@idacrd.UUCP>
Date: 9 Mar 90 16:39:32 GMT
References: <QZxkNJ600WB70YEEVT@andrew.cmu.edu>
Organization: idacrd, princeton, nj
Lines: 29
Posted: Fri Mar 9 17:39:32 1990

From article <QZxkNJ600WB70YEEVT@andrew.cmu.edu>, by hs0u+@andrew.cmu.edu (Harry Stumpf):

> The Carnegie Tech ARC (W3VC) plans to buy a 440 MHz preamp soon and
> satellite work. Thanks and 73.

AMSAT runs an ongoing competition in order to encourage people to improve their listening set ups with the hope that they will use less transmit power on the uplink (on average of course ;-). What does this have to with preamps? ALL of the recipients of the top category certificates for quite some time have used LANDWEHR's on both 2 meters and 70 cm. They are available from Henry Radio in LA. If you are an AMSAT member, ask for Jack Sommers, WA6VGS. He will cut a few points of the usual retail. I have both of these preamps and am extremely satisfied with them. I have not made an exhaustive comparison, but these are the best I have tried in twenty years of VHF/UHF/satellite work. The intermod performance is outstanding, they are capable of three different types of keyed switching to several hundred watts or RF sense switched to over a hundred watts. I recommend them highly. I have no connection in any way with Henry Radio, Landweher, etc. other than as a satisfied customer.

Bob

```
--
-----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
-----------------------------------------------------------------------------
```

From -5279229917094766095
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a53bc31479238ae6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-09 09:22:59 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!atha!tech
From: tech@cs.AthabascaU.CA (Richard Loken)
Newsgroups: rec.ham-radio
Subject: Re: MFJ quality

Message-ID: <1755@aurora.AthabascaU.CA>
Date: 9 Mar 90 17:22:59 GMT
References: <7880131@hpfcdc.HP.COM>
Organization: Athabasca University
Lines: 22
Posted: Fri Mar 9 18:22:59 1990

From article <7880131@hpfcdc.HP.COM>, by perry@hpfcdc.HP.COM (Perry Scott):
> Re: 949C switches

> Anyway, it's time to go to a hamfest and get some REAL(tm) components.
> In fairness to MFJ, the 949C works well with barefoot HF rigs in the
> 100W PEP range. I think that's its intended purpose. I'm able to tune
> everything but dead shorts at that power level.

I noticed a recent ad for a highr power version of this little gem. You should maybe look into it.

I would be more interested except that 12 years ago I built a transmatch the size of a GE Progress Line containing a couple of Johnson amd Millen capacitors of excessive proportions and all for a price of only double that of an equivelant commercial unit. (blush, I run 40 W) But it was fun.

```
     *********        73
    **********        Richard Loken VE6BSV
   .      ****
  ..      ****        Athabasca University
 ....     ****        Athabasca, Alberta Canada
..........****        tech@cs.AthabascaU.CA   {alberta|decwrl}!atha!tech
```

From -8486912419089106471
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,70f8e63cc0dadfc0,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,70f8e63cc0dadfc0,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-03-09 09:33:08 PST
Path: gmdzi!unido!mcsun!uunet!seismo!ukma!rayssd!iws
From: iws@rayssdb.ray.com (Ihor W. Slabicky)
Newsgroups: rec.ham-radio,sci.electronics
Subject: RShack CB radio recommendation
Keywords: TRC-418 CB
Message-ID: <5313@rayssdb.ray.com>
Date: 9 Mar 90 17:33:08 GMT
Organization: Raytheon Company, Portsmouth RI
Lines: 20
Xref: gmdzi rec.ham-radio:10173 sci.electronics:5663
Posted: Fri Mar 9 18:33:08 1990

My local Radio Shack (and maybe yours too) is having a sale on their CB radio. It is the Realistic TRC-418 CB (catalog number 21-1511). Sale price is $49.95, which

is half the regular price of $99.95. No license needed,
extra rugged mic with locking plug (what's a locking plug?)
priority switch for Channel 9 and 19, LED channel display,
5 bar LED signal/power meter, with jacks for PA and external
speakers. They are also selling a magnetic mount CB antenna
(catalog number 21-1006), with a 16 foot prewired connector.
This is a Special Purchase at $15.88.

I am interested in getting one. Is this a:
Good radio?
Good antenna?
Good price?
Any problems/idiosyncracies to be aware of?
Any other recommendations?

Thanks (and 10-4 Good Buddy!) - Ihor
~[:-) couldn't resist that one ;-)

From 5253979163851847938
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,541883e801c4ad21
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-09 10:00:20 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!bgsuvax!fyfe
From: fyfe@bgsuvax.UUCP (Bob Fyfe)
Newsgroups: rec.ham-radio
Subject: Re: macmorse
Message-ID: <5522@bgsuvax.UUCP>
Date: 9 Mar 90 18:00:20 GMT
References: <C9BE1F5A3E3FE01FB8@uwplatt.edu>
Organization: Bowling Green State University B.G., Oh.
Lines: 33
Posted: Fri Mar 9 19:00:20 1990

From article <C9BE1F5A3E3FE01FB8@uwplatt.edu>, by UCSBPM@UWPLATT.EDU ("Brian P. McCarty ", N9IWP):
> Does anyone know of any public domain/freeware/shareware morse
> programs for the mac? (I have an SE, 2.5 Meg of RAM, single floppy+HD
> system).

A year ago, another ham gave me a mac disk with programs from Project Mac
(from QST?). It had a variety of programs as part of it. It appears from
a ReadMe file that Stan Hozepa, WA1LOU coordinated it (Stan, you out there?)
I assume my friend pulled it off the net from this group so some others out
there probably could give more info about it. The hypercard application is
what I liked the best that had a variety of applications built into it, one
being a morse code tutor. I use it all the time as I am studying to upgrade
my license.

Stan are you out there or does anyne have an e-mail addr or know more about
Project Mac? I have some questions about it myself.

Oh yeah, BTW, I've been following this code/nocode debate. Just for the record, for one who is studying code to upgrade: I was reading the ARRL general class license manual an they made a comment about station accessories. They said, "There are a number of station accessories that make the difference between simply operating a radio and having a full awareness of the communications medium called Amateur Radio." The philosophy between "simply operating a radio" and understanding Amateur Radio seems to be the difference in the debate that goes on. I don't really care about others but for me, one of the enjoyments of getting into the hobby of Ham Radio is to learn about Ham Radio - which includes morse code. Enough....

Bob Fyfe, KA8YWQ
fyfe@andy.bgsu.edu

From -8815778675230642439
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,541883e801c4ad21
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-09 12:14:49 PST
Path: gmdzi!unido!mcsun!uunet!deimos!ux1.cso.uiuc.edu!brutus.cs.uiuc.edu!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: macmorse
Summary: Project Mac info
Message-ID: <39354@apple.Apple.COM>
Date: 9 Mar 90 20:14:49 GMT
References: <C9BE1F5A3E3FE01FB8@uwplatt.edu> <5522@bgsuvax.UUCP>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 52
Posted: Fri Mar 9 21:14:49 1990

In article <5522@bgsuvax.UUCP> fyfe@bgsuvax.UUCP (Bob Fyfe) writes:
>From article <C9BE1F5A3E3FE01FB8@uwplatt.edu>, by UCSBPM@UWPLATT.EDU ("Brian P. McCarty ", N9IWP):
>> Does anyone know of any public domain/freeware/shareware morse
>> programs for the mac?
>
>A year ago, another ham gave me a mac disk with programs from Project Mac
>(from QST?). It had a variety of programs as part of it. It appears from
>a ReadMe file that Stan Hozepa, WA1LOU coordinated it (Stan, you out there?)

Excerpted from the Macintosh ham software list I recently posted:

COLLECTIONS AND MISCELLANY

"Project Mac"
Contest logging, antenna design, satellite tracking, clip art, etc.
Microsoft BASIC required for many (but not all) of the programs.

     Stan Horzepa WA1LOU, 75 Kreger Drive, Wolcott, CT 06716.
Send three formatted 800K Macintosh disks with stamped, self-addressed return disk mailer.

****

However, Stan tells me that virtually all of the Project Mac stuff
plus lots of newer programs are in the MacNet collection, to wit:

****
MacNet
Public-domain programs (currently on nine disks) contributed by
Macintosh packet users. Includes test preparation, contest logging,
propagation prediction, satellite tracking, and amateur television.
     John D. Seney, KB1HE, 144 Pepperidge Dr., Manchester, NH
03103. Send formatted 800K Macintosh disks with stamped, self-addressed return disk mailer. Contributions of public-domain
programs encouraged.
****

>I assume my friend pulled it off the net from this group so some others out
>there probably could give more info about it.

I'm not aware that the Project Mac programs have been posted to Usenet
or are archived on any Internet sites. I'd like to know about the latter
if there are any.

73,
Patty

--
****
Patty Winter N6BIS   INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]   UUCP: {decwrl,nsc,sun}!apple!winter
****

From 4187573257384545732
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d83051c6b3d469d1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-09 12:52:08 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!iuvax!cica!tut.cis.ohio-state.edu!
zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!apple!uokmax!occrsh!akgua!atl2!
atleng1!bnewton
From: bnewton@atleng1.atl2 (Barry E. Newton)
Newsgroups: rec.ham-radio
Subject: Yaesu FT-727 HT mods
Message-ID: <164@atleng1.atl2>
Date: 9 Mar 90 20:52:08 GMT
Organization: AT&T Network Operations Group, Atlanta GA
Lines: 16

Posted: Fri Mar 9 21:52:08 1990

I have a Yaesu FT-727 dual-bander HT and I have set it up to receive (and transmit) out of band. I did this by resetting the microprocessor and giving it the code 111111 instead of the normal six digit code. The LCD will display from 100-200 MHz and 400-500 MHZ. However, I can only receive signals within about 10 MHz of the ham bands.

I really want to pick up 162.55, etc., and I would like to know if anyone knows how to increase the receive range. I imagine it is an out of range IF problem. Please e-mail replies.

Thanks, Barry Newton

```
---------------------------------------------------------------------------
|  Barry E. Newton, N4WXV  |  bnewton@atleng1.atl2  |  AT&T Network Ops.  |
---------------------------------------------------------------------------
```

From -4963136624386072370
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8c2505064c2ff78b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-09 12:56:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!STL-06SIMA.ARMY.MIL!wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: Re: Bad operators and dangerous DXing
Message-ID: <9003100807.AA04026@ucbvax.Berkeley.EDU>
Date: 9 Mar 90 20:56:21 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19
Posted: Fri Mar 9 21:56:21 1990

These contests are run by the magazines, right? So if you hear that rare-station-X is violating the rules by not making a complete "exchange", including his callsign, in each contact during a contest, why not write or call the magazine and make a formal protest, asking that they disqualify any contacts with that station and any entry from that station from consideration in figuring the scores of the competitors?

Maybe they'll ignore you, or maybe they will reject your contention, but, if you don't DO that, it doesn't seem you have any right to complain about this conduct. As long as it tacitly or explicitly accepted, and there is no attempt to counteract it, it must be OK and THEN you should begin to press for the written rules to be revised to accord with the reality.

There seem to be enough paths for publicizing such things in the ham radio hobby that it wouldn't be possible for such formal protests to be quietly ignored if you pushed them.

Regards, Will

From -2445832864735572252
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,62b294e2baeb78b8,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-09 12:58:14 PST
Path: gmdzi!unido!mcsun!uunet!wang!k9hi
From: k9hi@wang.com (Phil Temples)
Newsgroups: rec.ham-radio
Subject: Yaesu FT-757 vs FT-757GX
Message-ID: <1990Mar9.205814.14321@wang.com>
Date: 9 Mar 90 20:58:14 GMT
Organization: Wang Labs, Lowell MA, USA
Lines: 13
Posted: Fri Mar 9 21:58:14 1990

A friend of mine wanted me to post this query to the net:

What are the differences between the -757 and the -757GX? Minor,
cosmetic? Or substantial? He is trying to decide between two
used rigs at the moment. Thanks.

---
"death: to stop sinning suddenly."

Phil Temples   Wang Laboratories, Inc., Lowell MA 01851 USA
k9hi@wang.com   (508) 967-7900

From 8982231054163611946
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,73549d85081ac51a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-09 13:10:36 PST
Path: gmdzi!unido!mcsun!uunet!ingr!b11!herbster
From: herbster@b11.ingr.com (Joe Herbster)
Newsgroups: rec.ham-radio
Subject: IC-751 Manual wanted
Keywords: NEED REAL BAD...
Message-ID: <7670@b11.ingr.com>
Date: 9 Mar 90 21:10:36 GMT
Organization: Intergraph Corp. Huntsville, AL
Lines: 14
Posted: Fri Mar 9 22:10:36 1990

Net-persons,

I am posting this for an unfortunate friend in need.....

WANTED: Icom IC-751 service manual (NOT THE '751-A'). Will
pay mailing and/or copying costs.

Any help appreciated. The predecessor to the 751A is wrought
with problems and the manual is becoming a weekly necessity.

Thanks in advance, J. Herbster KM4JN

V-mail: (205) 730-6209 (work)
(205) 423-2715 (home)

From 6195074531287364131
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b4baa1a94c449857,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,b4baa1a94c449857,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-03-09 14:19:01 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!uwm.edu!zaphod.mps.ohio-state.edu!
brutus.cs.uiuc.edu!usc!cs.utexas.edu!hellgate.utah.edu!helios.ee.lbl.gov!nosc!
crash!guhsd000
From: guhsd000@crash.cts.com (Paula Ferris)
Newsgroups: rec.ham-radio,sci.electronics
Subject: 16:1 Transformer
Message-ID: <1788@crash.cts.com>
Date: 9 Mar 90 22:19:01 GMT
Reply-To: guhsd000@crash.cts.com (Paula Ferris)
Organization: Hackers Anonymous Inc., LTD & HALE Telecommunications San Diego
Lines: 11
Xref: gmdzi rec.ham-radio:10086 sci.electronics:5618
Posted: Fri Mar 9 23:19:01 1990

I have a friend working on a radio transmitter circut that calls for a
"16:1 transformer."

As far as I can tell, it is for a 150 watt circut and these is no further
information on it in the schematics.

Does anyone have construction details for such a RF Transformer? I know
little about it, and just told him I'd ask around, so....

Please mail replies.

From 2739321032633022548
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b19c0b47dcd28ff,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-09 14:36:53 PST

Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!apple!usc!ucsd!ucbvax!hplabs!hpfcso!hplisa!hplvli!chris
From: chris@hplvli.HP.COM (Chris Kelly)
Newsgroups: rec.ham-radio
Subject: Six Meter R/C Channel Info Request
Message-ID: <4590033@hplvli.HP.COM>
Date: 9 Mar 90 22:36:53 GMT
Organization: Loveland Inst. Div
Lines: 6
Posted: Fri Mar 9 23:36:53 1990

Can somebody please post a list of Radio Control frequencies
for the Six Meter Band? I know that the ARRL repeater Directory
Band Plan lists 50.80-50.98 (by 20 KHz) but I also remember
a comment that the ARRL Bandplan does not reflect reality
as recognized by the rest of the country. Please post any
clarification, and thanks.......73 de WD5IBS

From 4223839293451895361
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5dda7c3bf8fe8cff,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-09 15:37:15 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!asuvax!stjhmc!f1.n234.z1.fidonet.org!Jim.Grubs
From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Sun-noise Newspaper Notice
Message-ID: <14345.25F83F77@stjhmc.fidonet.org>
Date: 9 Mar 90 23:37:15 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 13
Posted: Sat Mar 10 00:37:15 1990

> From: msmith@topaz.rutgers.edu (Mark Robert Smith)

> My girlfriend's cable company placed such a warning in it's guide for
> this month.

It's a safe bet that almost all cable companies do that. After all, they don't
want to be bothered with a zillion telephone complaints about crummy service.

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

From -6204036739411167089
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,8116e8738488f14a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-09 18:06:46 PST
Path: gmdzi!unido!mcsun!uunet!deimos!ux1.cso.uiuc.edu!brutus.cs.uiuc.edu!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: Forgiving the League for Incentive
Summary: Popularity of incentive licensing in the world
Message-ID: <39375@apple.Apple.COM>
Date: 10 Mar 90 02:06:46 GMT
References: <25@<14302> <30500442@ux1.cso.uiuc.edu>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 29
Posted: Sat Mar 10 03:06:46 1990

In article <30500442@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>If Incentive Licensing is so great, then why don't other countries practice
>it, too?

Say what?? Many--I'd bet most--countries certainly do have multiple license classes. To take a few random examples from the DX Callbook:

Spain: 3 classes
Ireland: 1 class
England: 2 classes
France: 4 classes (3 if you don't count the one you get simply by holding the highest license for a certain time)
Ecuador: 2 classes
Lichtenstein: 4 classes
Netherlands: 4 classes
Japan: 5 classes
Italy: 1 class

Granted, few countries have as many classes as we do, but the *concept* of greater privileges as a reward for passing more tests is clearly very popular.

Patty
--
```
*****************************************************************************
Patty Winter N6BIS                          INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                       UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From 975427838922448204
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b4baa1a94c449857
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-09 18:39:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!

pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: 16:1 Transformer
Keywords: transformer
Message-ID: <23378@usc.edu>
Date: 10 Mar 90 02:39:58 GMT
References: <1788@crash.cts.com> <30500443@ux1.cso.uiuc.edu>
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 14
Posted: Sat Mar 10 03:39:58 1990

In article <30500443@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>I was wondering how you determine just how many winds are needed for a
>transmformer. I'm sure 2 winds and 32 winds of #2 copper wire on an air
>core are not going to do well when connected to the 110 volt mains.
>--Phil Howard, KA9WGN--
><phil@ux1.cso.uiuc.edu>

I think . . .

you need to make sure that at the operating frequency, the reactance of
the unloaded transformer is very high (so little current will be drawn
when the transformer is unloaded).

Ken Hendrickson N8DGN   kjh@usc.edu   ...!uunet!usc!pollux!kjh

---

From -8385903611618602028
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8116e8738488f14a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-09 18:48:55 PST
Path: gmdzi!unido!mcsun!uunet!deimos!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Forgiving the League for Incentive
Message-ID: <30500442@ux1.cso.uiuc.edu>
Date: 10 Mar 90 02:48:55 GMT
References: <25@<14302>
Lines: 59
Nf-ID: #R:<14302:25:ux1.cso.uiuc.edu:30500442:000:3160
Nf-From: ux1.cso.uiuc.edu!phil   Mar 9 18:39:00 1990
Posted: Sat Mar 10 03:48:55 1990

> I disagree--vehemently. In fact, I can't understand why incentive licensing
> has suddenly started taking such a bashing. I got into amateur radio about

First of all, Incentive Licensing is occupying a LARGE number of the class
slots in the FCC computer. The FCC is making it clear they do not want to
change their computer system. Since Incentive Licensing is taking up a

large number of these slots, those who don't feel it is working are quick to call for its removal. The FCC has also opened up this new can of worms by proposing the deletion of the Novice and Technician classes. Petitions have been for just adding a class, but the issue is getting to be more one of restructuring the entire amateur licensing system.

> 15 months ago only because I wanted to fly my R/C planes on 6 meters. It seemed a little extraneous to have to learn CW in order to get the technician license I needed for my planes, but those were the requirements so I did it.

I did it, too, so we both have a little brown on the nose.

> Somehow I got more involved than I planned, though, and I went straight to extra. Now I spend almost all my time in 7-7.025, 14-14.025, and 21-21.025. That's where most of the DX is, you don't hit too many lids there, and if somebody is poking along at least it's not another American. For my money, incentive licensing IS working. As far as the workload on the VE's is concerned, let the VE's worry about that. I'm more than willing (and I do) to give up a Sunday morning every few weeks to give exams. We have plenty of people in our VEC (the Sunneyvale, Ca. VEC) who are willing to do the same. For those people who are willing to put in the effort to earn the privileges, we're there to help. To hell with the rest. Amateur radio doesn't need them.

If what you want out of incentive licensing is to squeeze most of the hams into a smaller amount of space, then I guess it is working. I recall the ARRL saying something entirely different at the time; something about increasing the competency level (theory AND code) of radio amateurs.

I'm not convinced that we need FIVE different levels (one of them being an EMPTY level, i.e. no HF privs for no code) of HF privs.

If Incentive Licensing is so great, then why don't other countries practice it, too?

In fact, all the I.L. really gets done is create yet another layer of the "haves" and the "have nots".

In order to not get foreign hams mad at us, we probably do need to keep some band segments relatively clear of the intense density of US hams. We can do this in many ways. We can keep TWO or THREE (but NOT FIVE) levels of HF privs and get the same effect. We can ALSO promote VHF/UHF MORE and HF LESS.

Compromise is the name of the game.

Many suggestions have been made and many more are coming. Good ideas are encouraged; ideas that are well thought out and consider all aspects of the problem. Send contributions to the hamlicen@vmd.cso.uiuc.edu mailing list. E-mail to ME for instructions on how to get on the mailing list and discuss actual and realistic ideas.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

```
From -2831264610266202397
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b4baa1a94c449857
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-09 20:42:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: 16:1 Transformer
Message-ID: <30500443@ux1.cso.uiuc.edu>
Date: 10 Mar 90 04:42:57 GMT
References: <1788@crash.cts.com>
Lines: 20
Nf-ID: #R:crash.cts.com:1788:ux1.cso.uiuc.edu:30500443:000:674
Nf-From: ux1.cso.uiuc.edu!phil    Mar  9 18:42:00 1990
Posted: Sat Mar 10 05:42:57 1990


> I have a friend working on a radio transmitter circut that calls for a
> "16:1 transformer."
>
> As far as I can tell, it is for a 150 watt circut and these is no further
> information on it in the schematics.
>
> Does anyone have construction details for such a RF Transformer?  I know
> little about it, and just told him I'd ask around, so....
>
> Please mail replies.

This is not actually a reply...

I was wondering how you determine just how many winds are needed for a
transmformer.  I'm sure 2 winds and 32 winds of #2 copper wire on an air
core are not going to do well when connected to the 110 volt mains.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>


From -6296952933311603377
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d44e4e385e9b1be9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-09 22:12:51 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!tut.cis.ohio-state.edu!
snorkelwacker!spdcc!xylogics!linus!philabs!briar.philips.com!rfc
From: rfc@briar.philips.com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: ham manufacturer's phone #'s
Keywords: parts, service depts
Message-ID: <85801@philabs.Philips.Com>
```

Date: 10 Mar 90 06:12:51 GMT
Sender: news@philabs.Philips.Com
Lines: 48
Posted: Sat Mar 10 07:12:51 1990

copied from packet:

```
 Msg# TSF  Size #Rd Date/Time MsgID        From   To
20794 BF   2763   6 0303/1845 30_KA2EZN    KA2EZN ALL@ALLBBS ()
  Sb: HAM SERVICE DEPT' PHONE #'S
```

Here are some phone numbers to Amateur Manufacturers....
Compiled by KZ1Z

AEA	Customer Service	(206) 775-7373
Alinco	Customer Service	(213) 618-8616
	FAX	(213) 618-8758
Ameritron	Service	(419) 531-3024
Azden	Customer Service	(404) 769-8706
AM-WHOLE)	Repair (from 2-4 pm only)	(404) 769-8706
	FAX (from 7pm to 10am)	(404) 769-7970
B & W	Customer Service	(215) 788-5581
Butternut	Service/parts/technical information	(512) 398-7117
Cushcraft	Service/parts/technical information	(603) 627-7879
ETO	Customer Service	(719) 260-1191
	FAX	(719) 260-0395
Hy-Gain	Rotor Parts	(402) 465-7021
	Antenna/tower/parts	(402) 465-7022
	Technical Assistance	(402) 465-7022
ICOM	Service	(206) 454-7619
	Parts	(206) 454-8155
	FAX	(206) 454-1509
JRC	Customer Service	(212) 355-1180
Kenwood	Service	(213) 639-7140
	Parts	(213) 639-9000
	FAX	(213) 609-2127
MFJ	Service/Parts	(601) 323-5859
Telrex	Customer Service	(210) 775-7252
Ten-Tec	Service/Parts	(615) 453-7172
Yaesu	Service	(213) 404-4884
	Parts	(213) 404-4847
	FAX	(213) 404-1210

Any corrections or additions would be appreciated, @KA2EZN,NJ,USA,NA

==

Notation note: A few days ago I needed to label some inputs on my equipment. Needed to tell inputs from outputs. Needed a clear tag, and I had some of those stickers intended for labeling wires. Spelling "IN" was too messy, and too big. Turns out that the Chinese symbol for "in" looks like a capital "Y" upside-down. So, I used that, by using a "Y" upside-down.

73 de WA2ISE

From 5577870648047614889
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9622c0aa553143d0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-10 03:11:24 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!think!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!DELPHI.MIT.EDU!dmb
From: dmb@DELPHI.MIT.EDU
Newsgroups: rec.ham-radio
Subject: Regency RH256 Radio
Message-ID: <9003101111.AA11072@DELPHI.MIT.EDU>
Date: 10 Mar 90 11:11:24 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 1
Posted: Sat Mar 10 12:11:24 1990

Does anyone know how to program freq. and CTCSS tones for this radio?

From -2358295938275557488
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,70600e0bd77f6252
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-10 05:43:52 PST
Path: gmdzi!unido!mcsun!uunet!cadnetix.COM!cadnetix!rusty
From: rusty@cadnetix.COM (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: Keyer Board for IBM PC
Message-ID: <11688@cadnetix.COM>
Date: 10 Mar 90 13:43:52 GMT
References: <575.25F3FB7E@weyr.FIDONET.ORG>
Sender: news@cadnetix.COM
Reply-To: rusty@cadnetix.COM (Rusty Carruth)
Organization: Cadnetix Corp., Boulder, CO
Lines: 55
Posted: Sat Mar 10 14:43:52 1990

In article <575.25F3FB7E@weyr.FIDONET.ORG> katz@weyr.FIDONET.ORG (sylvan katz) writes:
>I am looking for a keyer board for an IBM PC. Does anyone have any
>suggestions and supplier info. What I want is a piece of software
>that uses one of the communications ports for paddle input and xcvr
>output with software that provides all the keyer functions. I asked
>this question a few weeks ago and got one answer -- unfortunately the
>sender didn't provide supplier information. You asssitance with this
>matter is appreciated.

[re-formatted so everyone can read it :-)]

>73's de Syl VE5ZX

Well, I tell you what. I recently downloaded a program (CW311 or something like that) which uses your 'standard' serial port on your PC compatible to control your HF rig. I don't know if it accepts keyer input, but it does accept keyboard input, with a pretty nifty typeahead buffer (I got about 50 characters ahead of the code before I ran out of 'now is the time' text :-)). I've only run it once since I found out that it is designed more for sending code than for practicing it.

In any case, I'll make you (and everyone else here on the net) the following offer:

Send me a FORMATTED MS-DOS disk (3 1/2" 1.44 or 720k, or 5 1/4" 360k or 1.2 meg), or even a DC300 or 600 cartridge (urg! :-)), with return postage, a note saying that you want the code programs I mentioned here, and a self-addressed return label, and I'll put CW311 on it, along with the 2 or 3 other morse programs I've got (SuperMorse and Morse, I think... there may be another one, too). If you send me a 360k disk, and you are more interested in the learning programs than in the sending program, tell me so, since I'm not sure they will all fit on a 360k disk. Also, tell me if you need the PKZIP unarchiver, since thats the format they come in....

If you are using something other than a PC, sorry about that, these are PC (XT/AT, i.e. IBM compatible) programs only...

Oh, yes - an address! What with the weather, you may want to send disks to my P.O box (it is a little more protected from the rain/snow/whatever): Rusty Carruth, P.O. Box 461, Lafayette, CO 80026. But, you can also send it to my home: 1260 Forum Drive,^^^^, CO 80026. (It will be a little faster that way, since I don't always get to the P.O. box every day, but more at risk for water damage!)

If I get deluged with disks, it may take me a while, but I'll try to do my best...

Oh, if you want email acknowledgement of your disk, send me your email address too.

```
---Join the usenet un-net, 28.410 and/or 28.390(+-) 1700Z to 1900Z saturdays!
Rusty Carruth.                  Radio: N7IKQ                 ^^ or later :-)
DOMAIN: rusty@cadnetix.com      UUCP:{uunet,boulder}!cadnetix!rusty
home: POB. 461, Lafayette CO 80026
```

From 3073470293248547501
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-10 06:24:59 PST
Path: gmdzi!unido!mcsun!uunet!cadnetix.COM!cadnetix!rusty
From: rusty@cadnetix.COM (Rusty Carruth)
Newsgroups: rec.ham-radio

Subject: Re: Increasing CW speed
Message-ID: <11689@cadnetix.COM>
Date: 10 Mar 90 14:24:59 GMT
References: <9003051529.AA05504@pelham.med.unc.edu>
Sender: news@cadnetix.COM
Reply-To: rusty@cadnetix.COM (Rusty Carruth)
Organization: Cadnetix Corp., Boulder, CO
Lines: 27
Posted: Sat Mar 10 15:24:59 1990

In article <9003051529.AA05504@pelham.med.unc.edu> pswecker@med.unc.edu (Peter St.Wecker) writes:

>

> I'm continuing to work on my code speed towards the magic 13wpm, but
>I'd like to get people's opinions on how best to do it.

Well, I've not 'done it' yet, I'm currently working on it. I'm listening to a tape while drivingn to and from work (not the whole time, maybe 5 to 15 minutes each way), and I've begun using one of those morse code programs on my AT (confusible, not the 'true blue' stuff :-)). The tape sounds like about 15 wpm chars with 13 wpm spacing, I'm running the program in keyboard copy mode, with chars at 18 wpm, spacing determined by how fast I get the character right (probably not the best way to do it, but I'm having fun anyway). I'm adding 'new' characters in groups according to the way the tape does it (since I never learned D and B solidly, for one thing!). I plan to do some listening to 'the real thing' on HF soon, and I'll probably do some practice writing things on paper to see if I can overcome my writing problem...

> If we knew what we were doing, it wouldn't be research

Ah! I'm researching morse code! :-)

---Join the usenet un-net, 28.410 and/or 28.390(+-) 1700Z to 1900Z saturdays!
Rusty Carruth. Radio: N7IKQ ^^ or later :-)
DOMAIN: rusty@cadnetix.com UUCP:{uunet,boulder}!cadnetix!rusty
home: POB. 461, Lafayette CO 80026

From -1120519389580356501
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3d9c041d6e27e2d6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-10 06:39:08 PST
Path: gmdzi!unido!mcsun!uunet!cadnetix.COM!cadnetix!rusty
From: rusty@cadnetix.COM (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: Measurement of Harmonics
Message-ID: <11690@cadnetix.COM>
Date: 10 Mar 90 14:39:08 GMT
References: <2619@wyse.wyse.com> <7880130@hpfcdc.HP.COM>
Sender: news@cadnetix.COM

Reply-To: rusty@cadnetix.COM (Rusty Carruth)
Organization: Cadnetix Corp., Boulder, CO
Lines: 30
Posted: Sat Mar 10 15:39:08 1990

In article <7880130@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>
>Maybe what I am asking is how to make a spectrum analyzer out of bits
>of wire and canning jars. Can't be done, right ?
>
>Perry Scott
>KF0CA

There have been quite a few articles in 'recent' years about how
to make a 'poor man's spectrum analyzer'. most of the articles
(Ham Radio, QST, 73) based the design on the use of a modified
TV tuner. One article (wireless world? hmm, don't remember, sorry)
used a few IC chips, with no help from a TV tuner.

I believe any one of the above could be built for under $100.

Not quite bits of wire and canning jars, but pretty close! :-)

I would also be interested in any other ideas people have (which
is why I posted rather than mailed).

P.S: Perry, since you are so close, and since I've got a "Real
Spectrum Analyzer (TM)" now (not calibrated, however :-( ),
I'd be happy to let you come over and use it. Warning -
it weighs 175 pounds, so you'll have to come down to my house...

```
---Join the usenet un-net, 28.410 and/or 28.390(+-) 1700Z to 1900Z saturdays!
Rusty Carruth.                  Radio: N7IKQ                 ^^ or later :-)
DOMAIN: rusty@cadnetix.com      UUCP:{uunet,boulder}!cadnetix!rusty
home: POB. 461, Lafayette CO 80026
```

From -8110035906162861851
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c842fb04d50c885
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-10 06:50:41 PST
Path: gmdzi!unido!mcsun!uunet!cadnetix.COM!cadnetix!rusty
From: rusty@cadnetix.COM (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: unnet (was Re: College ARC's)
Message-ID: <11691@cadnetix.COM>
Date: 10 Mar 90 14:50:41 GMT
References: <1990Feb26.040252.10692@cec1.wustl.edu> <11628@cadnetix.COM>
<1990Mar8.045141.17819@cec1.wustl.edu>
Sender: news@cadnetix.COM
Reply-To: rusty@cadnetix.COM (Rusty Carruth)
Organization: Cadnetix Corp., Boulder, CO

Lines: 38
Posted: Sat Mar 10 15:50:41 1990

In article <1990Mar8.045141.17819@cec1.wustl.edu> sek9424@cec2.wustl.edu (Scott Eric Keller) writes:
>
>   Well, I guess I now understand why everyone hates contests so much. I
>tried in vain to convene the College Net despite the DX contest.

I can sympathize!

>Besides
>having to spend quite a bit of time trying to wedge myself into a nearby
>frequency ...

Probably one of the most frustrating things about trying to run a net on 10M, in my VERY inexperienced and Humble Opinion! That and being able to hear people 5-9 and having them not even be able to hear you call them back...

>I had the pleasure of one OF explaining to me how all nets get
>closed down for contests. Arrgh!

Boy, I miss out on all the fun! :-)

>... Thats Saturday, March 31 at 1800Z on 28.425+-. My
>apologies to Rusty - I have known of your net and have tried to catch it
>a few times with no luck. Perhaps I'll try this weekend.

No apologies needed. I'll try to remember to look for you folks on march 31, also. Probably won't say much, I've been out of school for quite a while...

In any case, good luck with your net! I will say that an hour of calling CQ with no response can be very frustrating, though.

73 to all, and hope to cu on the un-net (today, even! :-))

---Join the usenet un-net, 28.410 and/or 28.390(+-) 1700Z to 1900Z saturdays!
Rusty Carruth.   Radio: N7IKQ   ^^ or later :-)
DOMAIN: rusty@cadnetix.com   UUCP:{uunet,boulder}!cadnetix!rusty
home: POB. 461, Lafayette CO 80026

From -949216985885573626
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9baab352892ef5dd,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,9baab352892ef5dd,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-03-10 08:36:54 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!ames!pacbell!hoptoad!peora!tsdiag!ka2qhd!kd2bd

From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: * SpaceNews 12-Mar-90 *
Keywords: News of the Amateur Satellite Program
Message-ID: <211@ka2qhd.UUCP>
Date: 10 Mar 90 16:36:54 GMT
Organization: KA2QHD Public Access Un*x,Ocean NJ
Lines: 108
Xref: gmdzi rec.ham-radio:10151 sci.space:10555
Posted: Sat Mar 10 17:36:54 1990

Bulletin ID: SPC0312

SpaceNews

MONDAY MARCH 12, 1990

SpaceNews originates at KD2BD in Wall Township, NJ, and is distributed weekly around the world on UseNet and Amateur Packet Radio. It is available for UNLIMITED worldwide distribution.

* STS-31 NEWS *

A series of background briefings on the Hubble Space Telescope, the deployment mission, secondary payloads and the astronaut pre-flight press conference for Space Shuttle mission STS-31, now set for launch on April 12, will be held March 15 and 16 at the NASA Goddard Space Flight Center, Greenbelt, Md., and March 19 and 20 at the NASA Johnson Space Center, Houston.

Briefings will be carried live on NASA Select television, available on Satcom F2R, transponder 13 at 3960 MHz. Two-way question and answer capability will be available at other NASA centers and at Headquarters.

During the mission, media wishing to focus attention on the Hubble Space Telescope activities are advised to contact Goddard Public Affairs, 301/286-5565, to arrange for accreditation at the Goddard News Center. Goddard will operate a 24-hour-a-day newsroom during the mission and will have telescope scientists and managers available for briefings and interviews.

[From: Peter E. Yee @ NASA Ames Research Center, Moffett Field, CA]

* UOSAT NEWS *

UO-14 continues to run the FORTH DIARY on the 1802 OBC, using Data formats distributed just after launch. The development, publication and implementation of downlink data formats for OSCARs is a delicate business, especially early in a mission. We do not want to publish data formats if they are likely to change quickly, lest people waste their time implementing software which will later become useless. On the other hand, if we do not publish formats, you cannot listen to the satellites - and that's what they're there for!

In the next month, we will be changing operating regimes on UO-14, as the PACSAT Communications Experiment is brought on line. Once this happens, asynchronous data formats (as used by the DIARY) will give way to synchronous, AX.25 packet formats.

As soon as possible, the PACSAT Communications Experiment on UO-14, and the BBS systems on PACSAT-OSCAR-16 and LUSAT-OSCAR-19 will be brought on line for general use. All three of these satellites will be running the same software, using the same protocols - developed jointly by UoSAT and AMSAT-NA. NK6K and G0/K8KA have already published a standard for a broadcast (e.g. bulletins and whole-orbit-data protocol. A final specification should be distributed soon, and early transmissions from the UO-15 PCE will use this protocol. Specification of the message-transfer protocol is well under way.

Thus, the stable state, which we expect to reach sometime this spring, is that UO-14, PO-16 and LO-19 bulletin boards will be accessible with the same groundstation protocol software. Broadcasts from these satellites (e.g. bulletins and whole-orbit data will also come down in a single standard data format. Until we change this state, groundstation software developers are advised to make their programs modular and be ready to revise!

Downlink Modulation:

UO-15 is capable of transmitting either 1200 bits/second AFSK (as used on all previous UoSATs and currently transmited by UO-15), or 9600 bits/second FSK. Ultimately, the PACSAT Communications Experiment on UO-15 will support only 9600 bps FSK. During the transition from DIARY operations to PCE operations, however, we will also be transmitting AX.25 packets at 1200 bits/second AFSK. Like DOVE, this should be copyable with a standard, unmodified, TNC.

[From G0/K8KA via OSCAR-11]

* FEEDBACK WELCOMED *

=====================

Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

UUCP   : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
PACKET : KD2BD @ NN2Z.NJ.USA.NA

MAIL   : John A. Magliacane
         Department of Electronics Technology
         Brookdale Community College
         Newman Springs Road
         Lincroft, New Jersey 07738

U.S.A.

<<< Stay on course......Say YES to Morse! >>>

<eof>

--
AMPR : KD2BD @ NN2Z (Neptune, NJ)
UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
"For every problem, there is one solution which is simple,
neat and wrong." -- H.L. Mencken

From 9196285516430782991
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a4a4a360e806f067,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-10 13:50:18 PST
Path: gmdzi!unido!mcsun!ukc!servax0!sersun0.essex.ac.uk!elzea
From: elzea@sersun0.essex.ac.uk (El-Zein A A)
Newsgroups: rec.ham-radio
Subject: dual_gate mosfet mixer
Message-ID: <3353@servax0.essex.ac.uk>
Date: 10 Mar 90 21:50:18 GMT
Sender: news@servax0.essex.ac.uk
Reply-To: elzea@sersun0.essex.ac.uk (El-Zein A A)
Organization: University of Essex, Colchester, UK
Lines: 13
Posted: Sat Mar 10 22:50:18 1990

I have designed an unbalanced mixer (frequncey changer) using 40673 dual_gate

mosfet which I belive needs a voltage level of 1V at it's local oscillator
port

in order to function correctly. The output from my local oscillator is

in the order of 0.4V, but I still get the right frequencey at the output,

can anybody explain please?

thanks in advance,

From -3207742458550979702
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e6f2d222fa4ec26b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-10 17:42:40 PST

```
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!think!zaphod.mps.ohio-state.edu!
tut.cis.ohio-state.edu!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9003110801.AA13663@ucbvax.Berkeley.EDU>
Date: 11 Mar 90 01:42:40 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 390
Posted: Sun Mar 11 02:42:40 1990
```

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
- Current NASA Prediction Bulletins #661 -
Alouette 1
1 00424U 62B-A  1 90 63.84975028  .00000273  00000-0  31757-3 0  2622
2 00424  80.4587  28.9245 0022818 178.1023 182.0218 13.67302767368435
ATS 1
1 02608U 66110  A 90 65.80799845 -.00000227  00000-0  99999-4 0  1162
2 02608  13.4576  14.5445 0003435 318.6499  41.3450  1.00385578  1524
ATS 3
1 03029U 67111  A 90 64.89885483 -.00000074  00000-0  99999-4 0  3009
2 03029  13.0757  22.1104 0012712 199.1670 160.3195  1.00271851 81767
Cosmos 398
1 04966U 71 16  A 90 68.18445684  .00065491  16810-4  39072-3 0  6449
2 04966  51.5392 126.6538 2355073 321.1865  24.0893 10.87965544580721
Starlette
1 07646U 75010  A 90 64.82178846 -.00000032  00000-0  21979-4 0   145
2 07646  49.8256 206.3355 0206287 209.7069 149.1977 13.82132287761482
LAGEOS
1 08820U 76039  A 90 66.32425032  .00000003  00000-0  00000 0 0   235
2 08820 109.8640 320.2353 0044521 260.1302  99.4634  6.38664367 67430
GOES 2
1 10061U 77048  A 90 67.00414822 -.00000137  00000-0  99999-4 0  3666
2 10061   7.8225  64.9979 0006411 201.6299 159.4051  1.00515600    68
GPS-0001
1 10684U 78020  A 90 67.21728405  .00000008  00000-0  99999-4 0  3437
2 10684  63.6734  92.6704 0115742 199.3661 160.3838  2.00557794 73821
GPS-0002
1 10893U 78 47  A 90 67.18712144 -.00000026  00000-0  00000 0 0  1010
2 10893  64.4293 333.5396 0162150  25.6464 335.1729  2.00548716 86642
GOES 3
1 10953U 78062  A 90 66.08945584  .00000081  00000-0  99999-4 0  8228
2 10953   6.6859  67.7194 0006239 256.5914 103.4934  1.00285787  3577
SeaSat 1
1 10967U 78064  A 90 67.98131311  .00000926  00000-0  36472-3 0  2442
```

```
2 10967 108.0168 113.4159 0002020 250.2354 109.8683 14.35466640612078
GPS-0003
1 11054U 78093  A 90 62.00016521 -.00000025  00000-0  00000 0 0  1720
2 11054  63.9604 330.0294 0056442 117.7547 242.8600  2.00566312 83553
Nimbus 7
1 11080U 78098  A 90 65.25166867  .00000087  00000-0  10787-3 0  6351
2 11080  99.1975 332.4807 0008969   3.6499 356.4714 13.83402919573805
GPS-0004
1 11141U 78112  A 90 67.58104268  .00000008  00000-0  00000 0 0  2825
2 11141  63.6727  92.5856 0059399 316.7372  42.8719  2.00561776 82364
NOAA 6
1 11416U 79 57  A 90 65.45127031  .00001188  00000-0  50820-3 0  9798
2 11416  98.5260  60.2655 0012697  65.8349 294.4155 14.26531400555280
GPS-0005
1 11690U 80 11  A 90 65.22770174  .00000009  00000-0  00000 0 0  9164
2 11690  64.1581  94.6710 0112140 203.9351 155.6043  2.00556588 88170
GPS-0006
1 11783U 80 32  A 90 67.53409866 -.00000025  00000-0  00000 0 0   567
2 11783  63.7651 329.4355 0148156  62.6631 298.8876  2.00573338 72301
GOES 4
1 11964U 80 74  A 90 66.88643772 -.00000137  00000-0  00000 0 0  1405
2 11964   6.1989  70.1831 0029765 107.7515 252.9277  0.99230392  4646
GOES 5
1 12472U 81049  A 90 65.94865317 -.00000239  00000-0  99999-4 0  8297
2 12472   3.2180  77.1059 0002091 312.8500  47.4900  1.00252019 31224
DE 1
1 12624U 81 70  A 90 66.62614517 -.00000052  00000-0 -35883-3 0  3391
2 12624  89.0791 148.8357 6221663 316.0034   8.6777  3.51025771258551
SME
1 12887U 81100  A 90 67.10447644  .00031549  00000-0  71309-3 0  5102
2 12887  97.6535 108.9256 0003028  45.4518 314.6890 15.43116668465641
Meteor 2-08
1 13113U 82 25  A 90 64.40520367  .00000227  00000-0  19440-3 0  6946
2 13113  82.5368 211.0986 0017038  52.1193 308.1523 13.84138220401379
Salyut 7
1 13138U 82 33  A 90 67.93426969  .00032192  00000-0  46036-3 0   914
2 13138  51.6058  88.8635 0001148  72.3081 287.8294 15.55923033449201
Cosmos 1383
1 13301U 82 66  A 90 65.32761367  .00000164  00000-0  18019-3 0  5398
2 13301  82.9317  16.1527 0029158  83.1090 277.3379 13.67804892383615
LandSat 4
1 13367U 82 72  A 90 67.04870421  .00000166  00000-0  41735-4 0  2515
2 13367  98.1784 131.5081 0004200  82.2369 277.9309 14.57130626406578
Meteor 2-09
1 13718U 82116  A 90 64.89884521  .00000485  00000-0  24816-3 0  8622
2 13718  81.2398  25.4665 0055922 335.8749  23.9833 14.13461514372520
IRAS
1 13777U 83  4  A 90 65.56088371  .00000496  00000-0  36906-3 0  7228
2 13777  99.0311 263.9114 0011706 312.4395  47.5776 13.98752674 32595
Cosmos 1447
1 13916U 83 21  A 90 65.08284417  .00000145  00000-0  14336-3 0  6771
2 13916  82.9443  88.2916 0040004  67.4775 293.0610 13.74013778348513
TDRS 1
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1 13969U 83 26  B 90 61.95914084 -.00000206  00000-0  00000 0 0  9339
2 13969   4.2136  66.7158 0009218 271.1980  88.9221  1.00264241 92019
GOES 6
1 14050U 83 41  A 90 67.13751504  .00000117  00000-0  00000 0 0   926
2 14050   1.9800  79.4165 0004278 235.8146 125.1443  1.00252822  9250
OSCAR 10
1 14129U 83 58  B 90 67.77193390 -.00000019  00000-0  00000 0 0  4571
2 14129  25.9797 215.0637 5993697 124.8676 307.1795  2.05888417 22665
GPS-0008
1 14189U 83 72  A 90 66.63205714  .00000007  00000-0  99999-4 0  7121
2 14189  63.3087  91.0808 0142801 217.2621 141.8028  2.00559703 48721
Meteor 2-10
1 14452U 83109  A 90 65.35742022  .00001148  00000-0  48516-3 0  8262
2 14452  81.1561  30.7165 0096003  61.5457 299.5352 14.22624715329810
LandSat 5
1 14780U 84 21  A 90 67.00665864 -.00000211  00000-0 -41974-4 0   673
2 14780  98.1324 128.6582 0003250 116.4163 243.7383 14.57147557319989
UoSat 2
1 14781U 84 21  B 90 67.70099511  .00002591  00000-0  49184-3 0  6241
2 14781  97.9635 123.5065 0012374 200.1464 159.9233 14.64991357321252
GPS-0009
1 15039U 84 59  A 90 67.68893950  .00000007  00000-0  00000 0 0  8292
2 15039  63.0500  90.2381 0018592 239.7374 120.1323  2.00562083 42023
Cosmos 1574
1 15055U 84 62  A 90 67.15425380  .00000158  00000-0  15877-3 0  8293
2 15055  82.9599 136.7929 0025863 244.5017 115.3461 13.73331455286208
Meteor 2-11
1 15099U 84 72  A 90 67.30906800  .00000408  00000-0  35867-3 0    11
2 15099  82.5345 156.3051 0011958 213.5115 146.5285 13.83802585286646
GPS-0010
1 15271U 84 97  A 90 64.09359576 -.00000025  00000-0  00000 0 0  7600
2 15271  63.2660 329.1822 0105226 325.1601  34.1940  2.00573017 39066
Cosmos 1602
1 15331U 84105  A 90 66.78792776  .00003000  00000-0  41697-3 0  1811
2 15331  82.5354  94.8526 0021588 307.8110  52.0867 14.77447117293117
NOAA 9
1 15427U 84123  A 90 66.40637471  .00000776  00000-0  44123-3 0  4879
2 15427  99.1654  63.8912 0014389 296.8896  63.0808 14.12466534269612
Meteor 2-12
1 15516U 85 13  A 90 67.08140928  .00000231  00000-0  19730-3 0  1619
2 15516  82.5344  94.8542 0018263  93.1275 267.1971 13.84288846257565
Cosmos 1686
1 16095U 85 86  A 90 67.09953381 -.00134845  00000-0 -19817-2 0  5168
2 16095  51.6357  93.0320 0004086 327.1253  34.2950 15.55731940250176
GPS-0011
1 16129U 85 93  A 90 67.24876072  .00000008  00000-0  00000 0 0  4219
2 16129  63.8301  91.1285 0120052 150.5772 210.1701  2.00559574 32335
Meteor 3-1
1 16191U 85100  A 90 66.99914949  .00000043  00000-0  99999-4 0  8992
2 16191  82.5391  49.2076 0020724   3.4921 356.6341 13.16895667210249
Meteor 2-13
1 16408U 85119  A 90 66.86986499  .00000295  00000-0  25369-3 0  5757
2 16408  82.5328   9.8531 0015031 285.8040  74.1457 13.84304265212034
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2 16609  51.6183 115.5524 0016298 250.4141 109.4568 15.59477936232448
SPOT 1
1 16613U 86 19  A 90 67.66643164  .00000506  00000-0  25507-3 0  7899
2 16613  98.7080 143.5550 0001695 107.8127 252.3214 14.20050764 49664
Meteor 2-14
1 16735U 86 39  A 90 66.96259658  .00000218  00000-0  18594-3 0  3590
2 16735  82.5342  36.7409 0014987 358.8713   1.2409 13.84053331190941
Cosmos 1766
1 16881U 86 55  A 90 67.96941668  .00003417  00000-0  47940-3 0  8800
2 16881  82.5254 152.9190 0021603 320.7191  39.2452 14.77052573194352
EGP
1 16908U 86 61  A 90 53.55039819 -.00000025  00000-0  95708-4 0  1704
2 16908  50.0105 248.4193 0010798 262.7166  97.2451 12.44384952160583
FO-12
1 16909U 86 61  B 90 51.92031722 -.00000025  00000-0  99999-4 0  1794
2 16909  50.0153 253.7437 0010861 255.9721 103.9906 12.44404056160374
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1 16969U 86 73  A 90 66.29076646  .00000433  00000-0  20698-3 0  3482
2 16969  98.6093  96.4779 0013387 202.5149 157.5442 14.23484507180112
Meteor 2-15
1 17290U 87  1  A 90 66.99992907  .00000296  00000-0  25708-3 0  3378
2 17290  82.4687 302.1596 0011562 245.3000 114.6950 13.83868724160105
MOS-1
1 17527U 87 18  A 90 68.00731255  .00000412  00000-0  33192-3 0  4276
2 17527  99.1180 141.8146 0001020  80.0150 280.1103 13.94870352155293
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1 17561U 87 22  A 90 66.83979733 -.00000044  00000-0  99999-4 0  4273
2 17561   0.0420 187.8649 0001259 110.4712  61.6243  1.00271557  4402
Kvant-1
1 17845U 87 30  A 90 67.09158205  .00054095  00000-0  66808-3 0   181
2 17845  51.6104 119.7281 0016596 251.3874 108.3535 15.59442495168367
DMSP B5D2-3
1 18123U 87 53  A 90 67.00667049  .00000787  00000-0  43412-3 0  4996
2 18123  98.8201 258.9543 0014099 314.1938  45.8074 14.13899986140105
RS-10/11
1 18129U 87 54  A 90 67.97115083  .00000055  00000-0  53356-4 0   606
2 18129  82.9248  42.5592 0013029  42.3405 317.8754 13.72065671135705
Meteor 2-16
1 18312U 87 68  A 90 66.87022473  .00000219  00000-0  18868-3 0  3785
2 18312  82.5569  10.5909 0012425 169.8523 190.2896 13.83607451128974
Meteor 2-17
1 18820U 88  5  A 90 66.42902540  .00000143  00000-0  11815-3 0  2054
2 18820  82.5408  71.3536 0015087 251.7138 108.2378 13.84298266106107
DMSP B5D2-4
1 18822U 88  6  A 90 66.69452425  .00000859  00000-0  41096-3 0  4148
2 18822  98.6620 307.7554 0006052 198.7555 161.3396 14.21301980108409
AO-13
1 19216U 88 51  B 90 65.26873556 -.00000096  00000-0  99999-4 0   797
2 19216  57.0490 165.7955 6906185 222.4549  56.2548  2.09701434 13247
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1 19274U 88 56  A 90 67.98642049  .00001904  00000-0  26944-3 0  6690
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2 19274  82.5132 251.5141 0023680  89.5801 270.8073 14.76461468 90132
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2 19336  82.5422 348.8070 0018021 201.3835 158.6511 13.16879386 77677
NOAA 11
1 19531U 88 89  A 90 66.73355969  .00000406  00000-0  24457-3 0  2066
2 19531  98.9711  14.9948 0011086 206.2891 153.7723 14.11476742 74652
TDRS 2
1 19548U 88 91  B 90 64.02357395  .00000131  00000-0  99999-4 0   788
2 19548   0.0442 320.5204 0002112   9.9341  29.5234  1.00275488  4405
Cosmos 2001
1 19796U 89 11  A 90 67.00434710 -.00001069  00000-0  99999-4 0  3813
2 19796  63.0443 105.8420 7136350 319.8127   5.0878  2.00560504  7771
GPS BII-01
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2 19802  55.0710 201.4099 0059530 158.9588 201.2474  2.00561853  7716
Akebono
1 19822U 89 16  A 90 67.54642668  .00021406  00000-0  14261-2 0  4667
2 19822  75.1079 287.7002 4205126 285.6289  32.8354  7.06114480 26306
Meteor 2-18
1 19851U 89 18  A 90 67.09705581  .00000189  00000-0  16080-3 0  1568
2 19851  82.5295 309.0202 0013231 292.5327  67.4430 13.83944183 51580
TDRS 3
1 19883U 89 21  B 90 61.66941217 -.00000235  00000-0  99999-4 0   554
2 19883   0.0671 311.3832 0004241 346.4808  62.3386  1.00272460  2822
GPS BII-02
1 20061U 89 44  A 90 66.44052675 -.00000032  00000-0  00000 0 0   523
2 20061  54.7257  19.9569 0081882 172.9986 187.1067  2.00562492  5453
Nadezhda
1 20103U 89 50  A 90 66.26431437  .00000202  00000-0  20475-3 0   838
2 20103  82.9606   0.1265 0037693 325.0555  34.8135 13.73568367 33724
GPS BII-03
1 20185U 89 64  A 90 65.41293992  .00000016  00000-0  99999-4 0   472
2 20185  54.9439 202.3381 0027092 141.2282 218.9103  2.00563453  4007
Activnyi
1 20261U 89 80  A 90 67.94718454  .00001425  00000-0  44868-3 0  3258
2 20261  82.5964 292.1903 1259283 204.8886 148.5952 12.43309103 20135
Activnyi RB
1 20262U 89 80  C 90 67.63522894  .00000906  00000-0  28436-3 0  1430
2 20262  82.5925 292.3993 1260522 205.6459 147.6549 12.43001271 20099
Magion 2
1 20281U 89 80  B 90 67.93376313  .00001644  00000-0  51514-3 0  3410
2 20281  82.5958 292.1612 1259323 204.8718 148.6283 12.43479633 20130
GPS BII-04
1 20302U 89 85  A 90 63.14971201 -.00000029  00000-0  99999-4 0   419
2 20302  54.6985 321.3479 0038948 313.4955  46.2046  2.00571014  2641
Meteor 3-3
1 20305U 89 86  A 90 67.62237586  .00000067  00000-0  15929-3 0   603
2 20305  82.5539 288.9382 0014972 218.7203 141.2827 13.15853385 17724
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1 20315U 89 87  A 90 62.65793662 -.00000226  00000-0  99999-4 0   311
2 20315   0.0414   3.5726 0013733 254.5985 101.6503  1.00262829  1232
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1 20322U 89 89  A 90 67.56590658  .00004660  00000-0  31075-2 0   567
2 20322  99.0259  78.8746 0006823 290.9908  69.0509 14.01437427 15391
Kvant-2
1 20335U 89 93  A 90 67.15572753  .00009884  00000-0  12823-3 0  1348
2 20335  51.6191 119.4237 0016517 248.9876 111.0886 15.59408245 15979
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1 20361U 89 97  A 90 67.43005802  .00000016  00000-0  99999-4 0   187
2 20361  54.9514 144.3204 0064909  42.9382 317.6285  2.00576858  1707
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2 20404  21.5429 270.3906 7209065 196.3238 114.5390  2.34605795   883
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2 20406  26.7137 254.6073 5866581 226.3657  66.9195  4.22382468  1597
LEASAT 5
1 20410U          90 44.00498078 0.00000071           10000-3 0   239
2 20410   3.3547 323.2542 0123328 185.1682 174.8531  1.00284836   283
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1 20411U          90 46.13646292 0.00006624           15573-2 0   373
2 20411  27.1943  95.8363 5238158  60.6639 341.5665  5.20564091  1847
Cosmos 2056
1 20432U          90 48.61316750 0.00000331           13772-3 0   216
2 20432  74.0360 264.2249 0024233 282.9758  76.8658 14.29717088  4288
1990 004B
1 20433U          90 51.16735862 0.00000442           17528-3 0   238
2 20433  74.0347 259.4384 0036366 290.2242  69.5000 14.31252170  4661
SPOT 2
1 20436U 90  5  A 90 67.06747129  .00000339  00000-0  17635-3 0   594
2 20436  98.7165 142.9576 0000749  97.0898 263.0362 14.20052414  6391
UO-14
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2 20437  98.7061 142.0959 0012085  91.8332 268.4241 14.28507069  6231
UO-15
1 20438U 90  5  C 90 66.27539708  .00000509  00000-0  22019-3 0   254
2 20438  98.7082 142.6571 0010933  88.9040 271.3375 14.28286637  6319
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1 20439U 90  5  D 90 66.26580149  .00000770  00000-0  32291-3 0   263
2 20439  98.7169 142.6872 0012271  89.7766 270.4810 14.28607136  6316
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Ariane RB
1 20443U          90 47.11760523 0.00000341           14765-3 0   239
2 20443  98.6136 123.3651 0012081 122.4540 237.7812 14.30158961  3572
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2 20444  62.8140 110.5001 7374630 288.1794   9.4138  2.00664213   632
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1 20450U          90 49.67030172 0.00181920 -19189-5  16565-2 0   439
2 20450  37.6783 240.9912 6005396 220.7886  73.8632  4.14286423  1022
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1 20452U 90  8  A 90 62.65854411 -.00000001  00000-0  99999-4 0   229
2 20452  54.6380 260.3053 0035259  57.4095 302.9406  2.00567623   728
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1 20453U          90 50.59057152 0.00005710           69074-3 0   264
2 20453  35.6431 123.9630 0591705 329.0175  27.6846 14.04532218  3619
Cosmos 2057
1 20457U          90 60.41396968 0.00615956  39350-4  26857-3 0   942
2 20457  62.8210 195.0039 0138628 118.4735 243.0622 16.03448844  5582
Cosmos 2058
1 20465U          90 52.05250576 0.00002655           40114-3 0   264
2 20465  82.5082 306.3255 0022850 201.4816 158.5500 14.73794878  3181
1990 010B
1 20466U          90 57.13960967 0.00001501           22415-3 0   174
2 20466  82.5064 301.6148 0022858 187.2711 172.8185 14.74059308  3927
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1 20473U 90 11  A 90 63.27809681 -.00000263  00000-0  99999-4 0   303
2 20473   0.0923 286.8966 0000175  85.5433 347.5312  1.00271902   285
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2 20474  30.7455 297.1171 7266635 194.1257 124.0353  2.30072121   540
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1 20476U 90 12  A 90 64.75925635  .00283362  16306-4  80535-3 0   801
2 20476  65.8312 303.0647 1302575 136.3231 234.8687 13.22822832  3555
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1 20477U          90 65.03457425 0.00557807  17242-4  10236-2 0   920
2 20477  65.8433 301.5565 1244640 135.3498 235.4890 13.39782405  3613
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1 20478U 90 13  A 90 67.96050217 -.00000010  00000-0  57278-5 0   702
2 20478  99.1985 138.5655 0000440  84.0115 276.1141 13.94846564  4167
1990 013B
1 20479U          90 58.77030313 -.00000054          -91874-4 0   183
2 20479  99.0554 125.8771 0540173 296.3538  58.3058 12.83148742  2712
FO-20
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2 20480  99.0526 131.8923 0540615 279.6136  74.4312 12.83116845  3664
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1 20491U 90 13  D 90 60.22658031 -.00000126  00000-0 -21297-3 0   144
2 20491  99.0559 127.6878 0470185 284.1687  70.7629 13.02726559  2345
Soyuz TM-9
1 20494U 90 14  A 90 67.15570154  .00029344  00000-0  36682-3 0   411
2 20494  51.6165 119.4211 0016326 248.7086 111.2220 15.59421887  3896
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2 20497  43.1147 167.3578 0013276  22.2860 337.8514 15.33316935  2934
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1 20499U 90 16  A 90 64.10940512 -.00000004  00000-0  99999-4 0   266
2 20499   1.4030 272.1448 0005594 113.3562 246.0002  1.00262805   183
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1 20502U          90 60.10379984 0.00000002           10000-3 0    69
2 20502   1.4699 273.3134 0036718  25.7294 333.9177  1.00011310   164
1990 017A
1 20508U 90 17  A 90 64.69007164 -.00000011  00000-0 -17712-4 0    69
2 20508  82.9557 136.2221 0043251 273.7875  85.8362 13.73190403   805
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2 20509  82.9527 136.1131 0036987 256.8728 102.8289 13.74595126   821
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2 20510  82.5285 192.6278 0019023 246.6141 113.3066 14.72661183   890
1990 018B
1 20511U 90 18  B 90 64.80187474  .00004631  00000-0  71692-3 0    44
2 20511  82.5276 192.8770 0018542 250.8776 109.0426 14.72963965   857
1990 020A
1 20513U          90 65.04087811 0.00040671           50740-3 0   166
2 20513  51.6193 130.0318 0016331 240.6961 119.3571 15.59307730   801
1990 020B
1 20514U 90 20  B 90 61.18142825  .25407542  60571-4  45544-3 0    88
2 20514  51.6137 149.3249 0007235 101.0427 259.2289 16.47208829   207
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From: tkelso%galaxy@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
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Subject: NASA Prediction Bulletins
Message-ID: <9003110802.AA13704@ucbvax.Berkeley.EDU>
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- Current NASA Prediction Bulletins #661 -
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1 00424U 62B-A  1 90 63.84975028  .00000273  00000-0  31757-3 0  2622
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2 02608  13.4576  14.5445 0003435 318.6499  41.3450  1.00385578  1524
ATS 3
1 03029U 67111  A 90 64.89885483 -.00000074  00000-0  99999-4 0  3009
2 03029  13.0757  22.1104 0012712 199.1670 160.3195  1.00271851 81767
Cosmos 398
1 04966U 71 16  A 90 68.18445684  .00065491  16810-4  39072-3 0  6449
2 04966  51.5392 126.6538 2355073 321.1865  24.0893 10.87965544580721
Starlette
1 07646U 75010  A 90 64.82178846 -.00000032  00000-0  21979-4 0   145
2 07646  49.8256 206.3355 0206287 209.7069 149.1977 13.82132287761482
LAGEOS
1 08820U 76039  A 90 66.32425032  .00000003  00000-0  00000 0 0   235
2 08820 109.8640 320.2353 0044521 260.1302  99.4634  6.38664367 67430
GOES 2
1 10061U 77048  A 90 67.00414822 -.00000137  00000-0  99999-4 0  3666
2 10061   7.8225  64.9979 0006411 201.6299 159.4051  1.00515600    68
GPS-0001
1 10684U 78020  A 90 67.21728405  .00000008  00000-0  99999-4 0  3437
2 10684  63.6734  92.6704 0115742 199.3661 160.3838  2.00557794 73821
GPS-0002
1 10893U 78 47  A 90 67.18712144 -.00000026  00000-0  00000 0 0  1010
2 10893  64.4293 333.5396 0162150  25.6464 335.1729  2.00548716 86642
GOES 3
1 10953U 78062  A 90 66.08945584  .00000081  00000-0  99999-4 0  8228
2 10953   6.6859  67.7194 0006239 256.5914 103.4934  1.00285787  3577
SeaSat 1
1 10967U 78064  A 90 67.98131311  .00000926  00000-0  36472-3 0  2442
2 10967 108.0168 113.4159 0002020 250.2354 109.8683 14.35466640612078
GPS-0003
1 11054U 78093  A 90 62.00016521 -.00000025  00000-0  00000 0 0  1720
2 11054  63.9604 330.0294 0056442 117.7547 242.8600  2.00566312 83553
Nimbus 7
1 11080U 78098  A 90 65.25166867  .00000087  00000-0  10787-3 0  6351
2 11080  99.1975 332.4807 0008969   3.6499 356.4714 13.83402919573805
GPS-0004
1 11141U 78112  A 90 67.58104268  .00000008  00000-0  00000 0 0  2825
2 11141  63.6727  92.5856 0059399 316.7372  42.8719  2.00561776 82364
NOAA 6
1 11416U 79 57  A 90 65.45127031  .00001188  00000-0  50820-3 0  9798
2 11416  98.5260  60.2655 0012697  65.8349 294.4155 14.26531400555280
GPS-0005
1 11690U 80 11  A 90 65.22770174  .00000009  00000-0  00000 0 0  9164
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2 11690  64.1581  94.6710 0112140 203.9351 155.6043  2.00556588 88170
GPS-0006
1 11783U 80 32  A 90 67.53409866 -.00000025  00000-0  00000 0 0   567
2 11783  63.7651 329.4355 0148156  62.6631 298.8876  2.00573338 72301
GOES 4
1 11964U 80 74  A 90 66.88643772 -.00000137  00000-0  00000 0 0  1405
2 11964   6.1989  70.1831 0029765 107.7515 252.9277  0.99230392  4646
GOES 5
1 12472U 81049  A 90 65.94865317 -.00000239  00000-0  99999-4 0  8297
2 12472   3.2180  77.1059 0002091 312.8500  47.4900  1.00252019 31224
DE 1
1 12624U 81 70  A 90 66.62614517 -.00000052  00000-0 -35883-3 0  3391
2 12624  89.0791 148.8357 6221663 316.0034   8.6777  3.51025771258551
SME
1 12887U 81100  A 90 67.10447644  .00031549  00000-0  71309-3 0  5102
2 12887  97.6535 108.9256 0003028  45.4518 314.6890 15.43116668465641
Meteor 2-08
1 13113U 82 25  A 90 64.40520367  .00000227  00000-0  19440-3 0  6946
2 13113  82.5368 211.0986 0017038  52.1193 308.1523 13.84138220401379
Salyut 7
1 13138U 82 33  A 90 67.93426969  .00032192  00000-0  46036-3 0   914
2 13138  51.6058  88.8635 0001148  72.3081 287.8294 15.55923033449201
Cosmos 1383
1 13301U 82 66  A 90 65.32761367  .00000164  00000-0  18019-3 0  5398
2 13301  82.9317  16.1527 0029158  83.1090 277.3379 13.67804892383615
LandSat 4
1 13367U 82 72  A 90 67.04870421  .00000166  00000-0  41735-4 0  2515
2 13367  98.1784 131.5081 0004200  82.2369 277.9309 14.57130626406578
Meteor 2-09
1 13718U 82116  A 90 64.89884521  .00000485  00000-0  24816-3 0  8622
2 13718  81.2398  25.4665 0055922 335.8749  23.9833 14.13461514372520
IRAS
1 13777U 83  4  A 90 65.56088371  .00000496  00000-0  36906-3 0  7228
2 13777  99.0311 263.9114 0011706 312.4395  47.5776 13.98752674 32595
Cosmos 1447
1 13916U 83 21  A 90 65.08284417  .00000145  00000-0  14336-3 0  6771
2 13916  82.9443  88.2916 0040004  67.4775 293.0610 13.74013778348513
TDRS 1
1 13969U 83 26  B 90 61.95914084 -.00000206  00000-0  00000 0 0  9339
2 13969   4.2136  66.7158 0009218 271.1980  88.9221  1.00264241 92019
GOES 6
1 14050U 83 41  A 90 67.13751504  .00000117  00000-0  00000 0 0   926
2 14050   1.9800  79.4165 0004278 235.8146 125.1443  1.00252822  9250
OSCAR 10
1 14129U 83 58  B 90 67.77193390 -.00000019  00000-0  00000 0 0  4571
2 14129  25.9797 215.0637 5993697 124.8676 307.1795  2.05888417 22665
GPS-0008
1 14189U 83 72  A 90 66.63205714  .00000007  00000-0  99999-4 0  7121
2 14189  63.3087  91.0808 0142801 217.2621 141.8028  2.00559703 48721
Meteor 2-10
1 14452U 83109  A 90 65.35742022  .00001148  00000-0  48516-3 0  8262
2 14452  81.1561  30.7165 0096003  61.5457 299.5352 14.22624715329810
LandSat 5
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1 14780U 84 21  A 90 67.00665864 -.00000211  00000-0 -41974-4 0   673
2 14780  98.1324 128.6582 0003250 116.4163 243.7383 14.57147557319989
UoSat 2
1 14781U 84 21  B 90 67.70099511  .00002591  00000-0  49184-3 0  6241
2 14781  97.9635 123.5065 0012374 200.1464 159.9233 14.64991357321252
GPS-0009
1 15039U 84 59  A 90 67.68893950  .00000007  00000-0  00000 0 0  8292
2 15039  63.0500  90.2381 0018592 239.7374 120.1323  2.00562083 42023
Cosmos 1574
1 15055U 84 62  A 90 67.15425380  .00000158  00000-0  15877-3 0  8293
2 15055  82.9599 136.7929 0025863 244.5017 115.3461 13.73331455286208
Meteor 2-11
1 15099U 84 72  A 90 67.30906800  .00000408  00000-0  35867-3 0    11
2 15099  82.5345 156.3051 0011958 213.5115 146.5285 13.83802585286646
GPS-0010
1 15271U 84 97  A 90 64.09359576 -.00000025  00000-0  00000 0 0  7600
2 15271  63.2660 329.1822 0105226 325.1601  34.1940  2.00573017 39066
Cosmos 1602
1 15331U 84105  A 90 66.78792776  .00003000  00000-0  41697-3 0  1811
2 15331  82.5354  94.8526 0021588 307.8110  52.0867 14.77447117293117
NOAA 9
1 15427U 84123  A 90 66.40637471  .00000776  00000-0  44123-3 0  4879
2 15427  99.1654  63.8912 0014389 296.8896  63.0808 14.12466534269612
Meteor 2-12
1 15516U 85 13  A 90 67.08140928  .00000231  00000-0  19730-3 0  1619
2 15516  82.5344  94.8542 0018263  93.1275 267.1971 13.84288846257565
Cosmos 1686
1 16095U 85 86  A 90 67.09953381 -.00134845  00000-0 -19817-2 0  5168
2 16095  51.6357  93.0320 0004086 327.1253  34.2950 15.55731940250176
GPS-0011
1 16129U 85 93  A 90 67.24876072  .00000008  00000-0  00000 0 0  4219
2 16129  63.8301  91.1285 0120052 150.5772 210.1701  2.00559574 32335
Meteor 3-1
1 16191U 85100  A 90 66.99914949  .00000043  00000-0  99999-4 0  8992
2 16191  82.5391  49.2076 0020724   3.4921 356.6341 13.16895667210249
Meteor 2-13
1 16408U 85119  A 90 66.86986499  .00000295  00000-0  25369-3 0  5757
2 16408  82.5328   9.8531 0015031 285.8040  74.1457 13.84304265212034
Mir
1 16609U 86 17  A 90 67.92467590  .00031640  00000-0  39408-3 0  4501
2 16609  51.6183 115.5524 0016298 250.4141 109.4568 15.59477936232448
SPOT 1
1 16613U 86 19  A 90 67.66643164  .00000506  00000-0  25507-3 0  7899
2 16613  98.7080 143.5550 0001695 107.8127 252.3214 14.20050764 49664
Meteor 2-14
1 16735U 86 39  A 90 66.96259658  .00000218  00000-0  18594-3 0  3590
2 16735  82.5342  36.7409 0014987 358.8713   1.2409 13.84053331190941
Cosmos 1766
1 16881U 86 55  A 90 67.96941668  .00003417  00000-0  47940-3 0  8800
2 16881  82.5254 152.9190 0021603 320.7191  39.2452 14.77052573194352
EGP
1 16908U 86 61  A 90 53.55039819 -.00000025  00000-0  95708-4 0  1704
2 16908  50.0105 248.4193 0010798 262.7166  97.2451 12.44384952160583
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FO-12
1 16909U 86 61  B 90 51.92031722 -.00000025  00000-0  99999-4 0  1794
2 16909  50.0153 253.7437 0010861 255.9721 103.9906 12.44404056160374
NOAA 10
1 16969U 86 73  A 90 66.29076646  .00000433  00000-0  20698-3 0  3482
2 16969  98.6093  96.4779 0013387 202.5149 157.5442 14.23484507180112
Meteor 2-15
1 17290U 87  1  A 90 66.99992907  .00000296  00000-0  25708-3 0  3378
2 17290  82.4687 302.1596 0011562 245.3000 114.6950 13.83868724160105
MOS-1
1 17527U 87 18  A 90 68.00731255  .00000412  00000-0  33192-3 0  4276
2 17527  99.1180 141.8146 0001020  80.0150 280.1103 13.94870352155293
GOES 7
1 17561U 87 22  A 90 66.83979733 -.00000044  00000-0  99999-4 0  4273
2 17561   0.0420 187.8649 0001259 110.4712  61.6243  1.00271557  4402
Kvant-1
1 17845U 87 30  A 90 67.09158205  .00054095  00000-0  66808-3 0   181
2 17845  51.6104 119.7281 0016596 251.3874 108.3535 15.59442495168367
DMSP B5D2-3
1 18123U 87 53  A 90 67.00667049  .00000787  00000-0  43412-3 0  4996
2 18123  98.8201 258.9543 0014099 314.1938  45.8074 14.13899986140105
RS-10/11
1 18129U 87 54  A 90 67.97115083  .00000055  00000-0  53356-4 0   606
2 18129  82.9248  42.5592 0013029  42.3405 317.8754 13.72065671135705
Meteor 2-16
1 18312U 87 68  A 90 66.87022473  .00000219  00000-0  18868-3 0  3785
2 18312  82.5569  10.5909 0012425 169.8523 190.2896 13.83607451128974
Meteor 2-17
1 18820U 88  5  A 90 66.42902540  .00000143  00000-0  11815-3 0  2054
2 18820  82.5408  71.3536 0015087 251.7138 108.2378 13.84298266106107
DMSP B5D2-4
1 18822U 88  6  A 90 66.69452425  .00000859  00000-0  41096-3 0  4148
2 18822  98.6620 307.7554 0006052 198.7555 161.3396 14.21301980108409
AO-13
1 19216U 88 51  B 90 65.26873556 -.00000096  00000-0  99999-4 0   797
2 19216  57.0490 165.7955 6906185 222.4549  56.2548  2.09701434 13247
OKEAN 1
1 19274U 88 56  A 90 67.98642049  .00001904  00000-0  26944-3 0  6690
2 19274  82.5132 251.5141 0023680  89.5801 270.8073 14.76461468 90132
Meteor 3-2
1 19336U 88 64  A 90 67.29313842  .00000391  00000-0  99999-3 0  3852
2 19336  82.5422 348.8070 0018021 201.3835 158.6511 13.16879386 77677
NOAA 11
1 19531U 88 89  A 90 66.73355969  .00000406  00000-0  24457-3 0  2066
2 19531  98.9711  14.9948 0011086 206.2891 153.7723 14.11476742 74652
TDRS 2
1 19548U 88 91  B 90 64.02357395  .00000131  00000-0  99999-4 0   788
2 19548   0.0442 320.5204 0002112   9.9341  29.5234  1.00275488  4405
Cosmos 2001
1 19796U 89 11  A 90 67.00434710 -.00001069  00000-0  99999-4 0  3813
2 19796  63.0443 105.8420 7136350 319.8127   5.0878  2.00560504  7771
GPS BII-01
1 19802U 89 13  A 90 66.75585580  .00000016  00000-0  99999-4 0   723
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2 19802  55.0710 201.4099 0059530 158.9588 201.2474  2.00561853  7716
Akebono
1 19822U 89 16  A 90 67.54642668  .00021406  00000-0  14261-2 0  4667
2 19822  75.1079 287.7002 4205126 285.6289  32.8354  7.06114480 26306
Meteor 2-18
1 19851U 89 18  A 90 67.09705581  .00000189  00000-0  16080-3 0  1568
2 19851  82.5295 309.0202 0013231 292.5327  67.4430 13.83944183 51580
TDRS 3
1 19883U 89 21  B 90 61.66941217 -.00000235  00000-0  99999-4 0   554
2 19883   0.0671 311.3832 0004241 346.4808  62.3386  1.00272460  2822
GPS BII-02
1 20061U 89 44  A 90 66.44052675 -.00000032  00000-0  00000 0 0   523
2 20061  54.7257  19.9569 0081882 172.9986 187.1067  2.00562492  5453
Nadezhda
1 20103U 89 50  A 90 66.26431437  .00000202  00000-0  20475-3 0   838
2 20103  82.9606   0.1265 0037693 325.0555  34.8135 13.73568367 33724
GPS BII-03
1 20185U 89 64  A 90 65.41293992  .00000016  00000-0  99999-4 0   472
2 20185  54.9439 202.3381 0027092 141.2282 218.9103  2.00563453  4007
Activnyi
1 20261U 89 80  A 90 67.94718454  .00001425  00000-0  44868-3 0  3258
2 20261  82.5964 292.1903 1259283 204.8886 148.5952 12.43309103 20135
Activnyi RB
1 20262U 89 80  C 90 67.63522894  .00000906  00000-0  28436-3 0  1430
2 20262  82.5925 292.3993 1260522 205.6459 147.6549 12.43001271 20099
Magion 2
1 20281U 89 80  B 90 67.93376313  .00001644  00000-0  51514-3 0  3410
2 20281  82.5958 292.1612 1259323 204.8718 148.6283 12.43479633 20130
GPS BII-04
1 20302U 89 85  A 90 63.14971201 -.00000029  00000-0  99999-4 0   419
2 20302  54.6985 321.3479 0038948 313.4955  46.2046  2.00571014  2641
Meteor 3-3
1 20305U 89 86  A 90 67.62237586  .00000067  00000-0  15929-3 0   603
2 20305  82.5539 288.9382 0014972 218.7203 141.2827 13.15853385 17724
INTELSAT-6A
1 20315U 89 87  A 90 62.65793662 -.00000226  00000-0  99999-4 0   311
2 20315   0.0414   3.5726 0013733 254.5985 101.6503  1.00262829  1232
COBE
1 20322U 89 89  A 90 67.56590658  .00004660  00000-0  31075-2 0   567
2 20322  99.0259  78.8746 0006823 290.9908  69.0509 14.01437427 15391
Kvant-2
1 20335U 89 93  A 90 67.15572753  .00009884  00000-0  12823-3 0  1348
2 20335  51.6191 119.4237 0016517 248.9876 111.0886 15.59408245 15979
GPS BII-05
1 20361U 89 97  A 90 67.43005802  .00000016  00000-0  99999-4 0   187
2 20361  54.9514 144.3204 0064909  42.9382 317.6285  2.00576858  1707
1990 001D
1 20404U          90 38.32261194 0.00002626           17207-2 0   331
2 20404  21.5429 270.3906 7209065 196.3238 114.5390  2.34605795   883
1990 001F
1 20406U          90 38.86337825 0.00007184           19135-2 0   300
2 20406  26.7137 254.6073 5866581 226.3657  66.9195  4.22382468  1597
LEASAT 5
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1 20410U          90 44.00498078 0.00000071          10000-3 0   239
2 20410   3.3547 323.2542 0123328 185.1682 174.8531  1.00284836   283
1990 002C
1 20411U          90 46.13646292 0.00006624          15573-2 0   373
2 20411  27.1943  95.8363 5238158  60.6639 341.5665  5.20564091  1847
Cosmos 2056
1 20432U          90 48.61316750 0.00000331          13772-3 0   216
2 20432  74.0360 264.2249 0024233 282.9758  76.8658 14.29717088  4288
1990 004B
1 20433U          90 51.16735862 0.00000442          17528-3 0   238
2 20433  74.0347 259.4384 0036366 290.2242  69.5000 14.31252170  4661
SPOT 2
1 20436U 90  5  A 90 67.06747129  .00000339  00000-0  17635-3 0   594
2 20436  98.7165 142.9576 0000749  97.0898 263.0362 14.20052414  6391
UO-14
1 20437U 90  5  B 90 65.70822728  .00000219  00000-0  95347-4 0   261
2 20437  98.7061 142.0959 0012085  91.8332 268.4241 14.28507069  6231
UO-15
1 20438U 90  5  C 90 66.27539708  .00000509  00000-0  22019-3 0   254
2 20438  98.7082 142.6571 0010933  88.9040 271.3375 14.28286637  6319
PACSAT
1 20439U 90  5  D 90 66.26580149  .00000770  00000-0  32291-3 0   263
2 20439  98.7169 142.6872 0012271  89.7766 270.4810 14.28607136  6316
DO-17
1 20440U 90  5  E 90 66.26479038  .00000843  00000-0  35129-3 0   173
2 20440  98.7173 142.6896 0012468  90.0185 270.2410 14.28642399  6311
WO-18
1 20441U 90  5  F 90 66.26128287  .00000826  00000-0  34373-3 0   150
2 20441  98.7100 142.6846 0013054  90.7444 269.5194 14.28753450  6315
LO-19
1 20442U 90  5  G 90 66.25918867  .00000770  00000-0  32132-3 0   239
2 20442  98.7166 142.6938 0013265  90.9498 269.3198 14.28821018  6313
Ariane RB
1 20443U          90 47.11760523 0.00000341          14765-3 0   239
2 20443  98.6136 123.3651 0012081 122.4540 237.7812 14.30158961  3572
1990 006A
1 20444U          90 53.94247100 0.00000268          25109-3 0   354
2 20444  62.8140 110.5001 7374630 288.1794   9.4138  2.00664213   632
1990 006C
1 20446U          90 47.39633712 0.00000368          74758-3 0   283
2 20446  62.8305 111.3944 7323218 288.1118   9.7051  2.06386089   509
1990 005C
1 20450U          90 49.67030172 0.00181920 -19189-5  16565-2 0   439
2 20450  37.6783 240.9912 6005396 220.7886  73.8632  4.14286423  1022
GPS BII-06
1 20452U 90  8  A 90 62.65854411 -.00000001  00000-0  99999-4 0   229
2 20452  54.6380 260.3053 0035259  57.4095 302.9406  2.00567623   728
1990 008B
1 20453U          90 50.59057152 0.00005710          69074-3 0   264
2 20453  35.6431 123.9630 0591705 329.0175  27.6846 14.04532218  3619
Cosmos 2057
1 20457U          90 60.41396968 0.00615956  39350-4  26857-3 0   942
2 20457  62.8210 195.0039 0138628 118.4735 243.0622 16.03448844  5582
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Cosmos 2058
1 20465U          90 52.05250576 0.00002655           40114-3 0   264
2 20465  82.5082 306.3255 0022850 201.4816 158.5500 14.73794878  3181
1990 010B
1 20466U          90 57.13960967 0.00001501           22415-3 0   174
2 20466  82.5064 301.6148 0022858 187.2711 172.8185 14.74059308  3927
PRC-26
1 20473U 90 11  A 90 63.27809681 -.00000263  00000-0  99999-4 0   303
2 20473   0.0923 286.8966 0000175  85.5433 347.5312  1.00271902   285
1990 011B
1 20474U 90 11  B 90 60.49062863  .00018571  00000-0  48740-2 0   135
2 20474  30.7455 297.1171 7266635 194.1257 124.0353  2.30072121   540
1990 012A
1 20476U 90 12  A 90 64.75925635  .00283362  16306-4  80535-3 0   801
2 20476  65.8312 303.0647 1302575 136.3231 234.8687 13.22822832  3555
1990 012B
1 20477U          90 65.03457425 0.00557807  17242-4  10236-2 0   920
2 20477  65.8433 301.5565 1244640 135.3498 235.4890 13.39782405  3613
MOS-1B
1 20478U 90 13  A 90 67.96050217 -.00000010  00000-0  57278-5 0   702
2 20478  99.1985 138.5655 0000440  84.0115 276.1141 13.94846564  4167
1990 013B
1 20479U          90 58.77030313 -.00000054          -91874-4 0   183
2 20479  99.0554 125.8771 0540173 296.3538  58.3058 12.83148742  2712
FO-20
1 20480U 90 13  C 90 66.17820252  .00000052  00000-0  16645-3 0   178
2 20480  99.0526 131.8923 0540615 279.6136  74.4312 12.83116845  3664
1990 013D
1 20491U 90 13  D 90 60.22658031 -.00000126  00000-0 -21297-3 0   144
2 20491  99.0559 127.6878 0470185 284.1687  70.7629 13.02726559  2345
Soyuz TM-9
1 20494U 90 14  A 90 67.15570154  .00029344  00000-0  36682-3 0   411
2 20494  51.6165 119.4211 0016326 248.7086 111.2220 15.59421887  3896
1990 015A
1 20496U 90 15  A 90 64.73747562  .00010816  00000-0  68364-3 0   241
2 20496  43.0968 170.4187 0011536  71.0357 289.1711 15.09034906  2884
1990 015B
1 20497U 90 15  B 90 64.69851481  .00017665  00000-0  54315-3 0   254
2 20497  43.1147 167.3578 0013276  22.2860 337.8514 15.33316935  2934
1990 015C
1 20498U 90 15  C 90 64.43405608  .00046753  00000-0  11275-2 0   294
2 20498  41.6397 166.4870 0042123 267.0234  92.5759 15.39503914  2901
Raduga 25
1 20499U 90 16  A 90 64.10940512 -.00000004  00000-0  99999-4 0   266
2 20499   1.4030 272.1448 0005594 113.3562 246.0002  1.00262805   183
1990 016D
1 20502U          90 60.10379984 0.00000002           10000-3 0    69
2 20502   1.4699 273.3134 0036718  25.7294 333.9177  1.00011310   164
1990 017A
1 20508U 90 17  A 90 64.69007164 -.00000011  00000-0 -17712-4 0    69
2 20508  82.9557 136.2221 0043251 273.7875  85.8362 13.73190403   805
1990 017B
1 20509U 90 17  B 90 64.82957793 -.00007006  00000-0 -73837-2 0    66
```

```
2 20509  82.9527 136.1131 0036987 256.8728 102.8289 13.74595126   821
1990 018A
1 20510U 90 18  A 90 65.07487403  .00002601  00000-0  40399-3 0   100
2 20510  82.5285 192.6278 0019023 246.6141 113.3066 14.72661183   890
1990 018B
1 20511U 90 18  B 90 64.80187474  .00004631  00000-0  71692-3 0    44
2 20511  82.5276 192.8770 0018542 250.8776 109.0426 14.72963965   857
1990 020A
1 20513U          90 65.04087811 0.00040671           50740-3 0   166
2 20513  51.6193 130.0318 0016331 240.6961 119.3571 15.59307730   801
1990 020B
1 20514U 90 20  B 90 61.18142825  .25407542  60571-4  45544-3 0    88
2 20514  51.6137 149.3249 0007235 101.0427 259.2289 16.47208829   207
--
Dr TS Kelso                          Assistant Professor of Space Operations
tkelso@galaxy.afit.af.mil            Air Force Institute of Technology
```

From 5530344131665369608
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15cfc81fad31a946
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-02 22:39:48 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!ncar!mephisto!gatech!kd4nc!km4ba!alan
From: alan@km4ba.UUCP (Alan Barrow)
Newsgroups: rec.ham-radio
Subject: Re: Broadcasting Video from RC Plane
Message-ID: <124@km4ba.UUCP>
Date: 3 Mar 90 06:39:48 GMT
References: <13720.25ED2D27@stjhmc.fidonet.org>
Organization: km4ba's packet radio gateway, Atlanta GA.
Lines: 27
Posted: Sat Mar 3 07:39:48 1990

Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs) writes:

stuff deleted...

>NTSC video for spotting fish? I doubt that's the best solution to the problem
>anyway.

>73 de Jim Grubs, W8GRT

Compared to looking out the scratched, yellow and crazed windows of an
ancient Cessna 150 doing a 45 deg. bank, it is a pretty good , cost effective
solution.

Compared to sitting at sea level (literally!) and wondering where the fish are,
it would be great! Besides, it will work better than you think.

Most *big* fish signs are relatively easy to see... just look for the birds
and follow the food chain. most gamefish kill lots of baitfish, which the
birds scavenge. The other items you look for are:

flotsam, floating turtles (I guess they have to rest also!), and weed lines.
Besides providing cover, most weedlines indicate temperature changes in the
water. but this is not alt.fishing.

73,
Alan Barrow km4ba

gatech!kd4nc!km4ba!alan

From 7018453254686130209
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d0b47c56efb7ee1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-03 00:05:56 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!usc!elroy.jpl.nasa.gov!turnkey!orchard.la.locus.com!prodnet.la.locus.com!cups.la.locus.com!chris
From: chris@cups.la.locus.com.la.locus.com (Chris Davis)
Newsgroups: rec.ham-radio
Subject: need copy of HAM RADIO articles
Message-ID: <4661@oolong.la.locus.com>
Date: 3 Mar 90 08:05:56 GMT
Sender: news@locus.com
Reply-To: lcc!chris@seas.ucla.edu
Organization: Locus Computing Corporation, Inglewood, CA
Lines: 25
Posted: Sat Mar 3 09:05:56 1990

I am looking for a copy of certain articles published in HAM RADIO.
My local public library does not keep back issues older than 3 years
old but I did manage to find a cumulative index and extract the dates:

Jul 83 p53	Two-band receiver, modular, WA3TFS
Sep 84 p8	Comments, WA3TFS
Nov 84 p57	Two-band receiver, extending the modular, WA3TFS
Feb 85 p67	Linear amplifier, HF, solid-state kilowatt, mobile, WA7SPR

If someone would be kind enough to send me a copy of these articles I
would be very grateful, and would of course reimburse any expenses.
I need these articles for reference in a construction project. BTW, if
anyone has built any of these or otherwise has any experience with them
I would be very interested in hearing your comments. Please post them
as I suspect others on rec.ham-radio would be interested also.

Thank you very much. BTW, e-mail to Locus has been having some problems
recently because we are not yet fully registered on the net, so please use
a full path in any replies. If you can route to UCLA or JPL (elroy) there
should be no problem with mail delivery to lcc. The uunet path to lcc may
not be operational for a while.

```
  __       __  o  __
 |   |__| |__| | |__   Chris J. Davis                 lcc!chris@seas.ucla.edu
 |__ |  | |  \ | ___|  (213) 338-7820 {uunet,ucla-se,elroy!turnkey}!lcc!chris
 Any opinions or claims above are mine, unless I stole them from someone else
```

From -4107794203396899251
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,18ec4159dd3874c8,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,18ec4159dd3874c8,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-03-03 07:19:14 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!ge-dab!tarpit!peora!tsdiag!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: News From OSCAR-11 03Mar90
Keywords: Satellite News From Space
Message-ID: <198@ka2qhd.UUCP>
Date: 3 Mar 90 15:19:14 GMT
Organization: KA2QHD Public Access Un*x,Ocean NJ
Lines: 97
Xref: gmdzi rec.ham-radio:9969 sci.space:10344
Posted: Sat Mar 3 16:19:14 1990

```
**UOSAT 2 COMPUTER STATUS INFORMATION**

FAD1 Operating System v2.0b
Today's date is 3 /3 /90 (Saturday)
Universal Time is 14 :30 :48
Auto Mode is selected

SPIN PERIOD IS - 292

Z  MAG firings = 0
+ SPIN firings = 1
- SPIN firings = 1
RAM Wash Pointer at 275
WOD commenced 3 /3 /90 at 0 :0 :10
with channels 10 ,11 ,19 ,29 ,
Last cmd was 109 TO 0 WITH DATA 0

Attitude control initiated, mode 1

Digitalker active
```

**** UoSAT-OSCAR-11 BULLETIN - 208   3rd March 1990 ****

UoSAT MISSION CONTROL CENTRE
University of Surrey, Guildford, Surrey, GU2 5XH, England

Data Formats

UO-14 continues to run the FORTH DIARY on the 1802 OBC, using Data formats distributed just after launch. The development, publication and implementation of downlink data formats for OSCARs is a delicate business, especially early in a mission. We do not want to publish data formats if they are likely to change quickly, lest people waste their time implementing software which will later become useless. On the other hand, if we do not publish formats, you cannot listen to the satellites - and that's what they're there for!

In the next month, we will be changing operating regimes on UO-14, as the PACSAT Communications Experiment is brought on line. Once this happens, asynchronous data formats (as used by the DIARY) will give way to synchronous, AX.25 packet formats.

As soon as possible, the PACSAT Communications Experiment on UO-14, and the BBS systems on PACSAT-OSCAR-16 and LUSAT-OSCAR-19 will be brought on line for general use. All three of these satellites will be running the same software, using the same protocols - developed jointly by UoSAT and AMSAT-NA. NK6K and G0/K8KA have already published a standard for a broadcast (e.g. bulletins and whole-orbit-data protocol. A final specification should be distributed soon, and early transmissions from the UO-15 PCE will use this protocol. Specification of the message-transfer protocol is well under way.

Thus, the stable state, which we expect to reach sometime this spring, is that UO-14, PO-16 and LO-19 bulletin boards will be accessible with the same groundstation protocol software. Broadcasts from these satellites (e.g. bulletins and whole-orbit data will also come down in a single standard data format. Until we change this state, groundstation software developers are advised to make their programs modular and be ready to revise!

DownlinK Modulation

UO-15 is capable of transmitting either 1200 bits/second AFSK (as used on all previous UoSATs and currently transmited by UO-15), or 9600 bits/second FSK. Ultimately, the PACSAT Commuications Experiment on UO-15 will support only 9600 bps FSK. During the transition from DIARY operations to PCE operations, however, we will also be transmitting AX.25 packets at 1200 bits/second AFSK. Like DOVE, this should be copyable with a standard, unmodified, TNC.

de G0/K8KA.

* UoSAT-OSCAR-15 *

Experiments are under way using a large (150ft) antenna at Stanford (SRI-USA) to attempt to detect very low level signals leaking from the UoSAT-4 on-board uplink receiver local oscillators. If the spacecraft power systems are still functioning, then these signals should always be present since the receivers cannot be switched off. However, these leakage signals are deliberately minimised during the design of the satellite and so they are very weak (-60 dBm = one thousand, millionth of a watt or the equivalent to looking for a single Xmas tree light in Australia!). The experiments at Stanford are therefore very demanding: it will only be possible to extract the signals from the background noise using sophisticated off-line FFT signal processing, and a one second error in antenna tracking time may miss the satellite altogether!

de G3YJO

--
AMPR : KD2BD @ NN2Z (Neptune, NJ)
UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
"For every problem, there is one solution which is simple,
neat and wrong." -- H.L. Mencken

From 7372061207961102042
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c065dcc35ca06da3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-03 08:25:53 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!UNB.CA!LANG
From: LANG@UNB.CA
Newsgroups: rec.ham-radio
Subject: DOVE Telemetry Decoder for the Mac
Message-ID: <ID9559.D900303.T122554.LANG@UNB.CA>
Date: 3 Mar 90 16:25:53 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 16
Posted: Sat Mar 3 17:25:53 1990

If anyone still needs a program for the Mac to convert DOVE telemetry hex codes to engineering units, I have one to offer. It's written in FORTRAN (please no flames, I'm of the Baby Boomer generation, a.k.a. FORTRAN generation) and I can supply (via e-mail) source code or the binhexed application, or both. E-mail inquiries to me at the address below. If I get too many requests, I might have to ask some kind soul to put the files on their system so that they can be accessed via anonymous ftp.

```
========================================================================
Richard B. Langley                   BITnet:  LANG@UNB.CA or SE@UNB.CA
Geodetic Research Laboratory         Phone:   (506) 453-5142
Dept. of Surveying Engineering       Telex:   014-46202
University of New Brunswick          FAX:     (506) 453-4943
Fredericton, N.B., Canada  E3B 5A3
========================================================================
```

From -4872827537846179533
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,101b7196fca268f6
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: fddbf,101b7196fca268f6
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-03-03 13:16:50 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!brutus.cs.uiuc.edu!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: ISDN for linking packet and repeaters
Keywords: ISDN
Message-ID: <23214@usc.edu>
Date: 3 Mar 90 21:16:50 GMT
References: <37@thoreau.nsc.com>
Sender: news@usc.edu
Followup-To: rec.ham-radio
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 46
Xref: gmdzi rec.ham-radio:9963 rec.ham-radio.packet:1857
Posted: Sat Mar 3 22:16:50 1990

In article <37@thoreau.nsc.com> greg@thoreau.nsc.com (Greg Dean) writes:
>ISDN (Integrated Services Digital Network), is a new network protocol
>which aims to handle both voice and data (including X.25).

ISDN is much too litle and far too late (IMHO). I want a few 10Mb/sec lines coming into my house.

Recently I saw Dr. Robert W. Lucky here at USC. Dr. Lucky writes the Reflections column in IEEE Spectrum. In his talk, Dr. Lucky mentioned quite a few interesting things:

1. More than 98% of your telephone bill reflects the cost of sending you the bill and keeping track of the accounts. Almost none of your bill goes to maintaining the equipment; the telephone companies are in the _service_ industry.

2. Over the past few years, the bandwidth capability of the technology has risen at a phenominal rate, while demand for bandwidth has remained constant.

Some of Dr. Lucky's suggestions were:

1. Give people HI-FI voice lines.

2. Give people wide bandwidth data lines.

(Note that the cost for both of the above is near zero! See above.)

3. Allow the phone companies to provide cable-tv type entertainment. (Dr. Lucky suggested that what he wanted was 40 or 50 'channels' all playing the same movie continuously, but starting about 5 minutes apart. You could start when you

wanted, go to the kitchen or bathroom and then switch 'channels' to pick up where you left off. This would be quite convenient.)

ISDN is a good idea, but it is very old technology. We should have had this years ago. Let's take the idea of ISDN, (which is basically a good idea), and update it to reflect current technology. I want a few 10Mb/sec lines coming into my house.

Ken Hendrickson N8DGN   kjh@usc.edu   ...!uunet!usc!pollux!kjh

---

From 6165829918353306960
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f1c80466c4c850fe,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 103f30,f1c80466c4c850fe,start
X-Google-Attributes: gid103f30,public
X-Google-Thread: fddbf,f1c80466c4c850fe,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-03-03 15:16:24 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!jarvis.csri.toronto.edu!utgpu!watserv1!watmath!att!icus!lenny
From: lenny@icus.ICUS.COM (Lenny Tropiano)
Newsgroups: rec.ham-radio.packet,rec.ham-radio,unix-pc.general
Subject: HAM Radio/Packet radio Internet protocols with UNIX PC?
Keywords: ka9q, ham/radio, packet radio, tcp/ip
Message-ID: <1115@icus.ICUS.COM>
Date: 3 Mar 90 23:16:24 GMT
Followup-To: poster
Organization: ICUS Software Systems, Islip, New York
Lines: 40
Xref: gmdzi rec.ham-radio.packet:1856 rec.ham-radio:9959 unix-pc.general:199
Posted: Sun Mar 4 00:16:24 1990

Please forgive me for being very naive on this subject, but it's something that I've been interested in (while perusing rec.ham-radio.*) and I would like to learn a little more about it.

I've recently compiled KA9Q (TCP/IP) package for UNIX on my 3B1/UNIX PC. I've gotten it configured so I can run SLIP between my two 3B1's over a serial connection. Why you may ask would I want to do this with my STARLAN connection, the answer that I just wanted to learn, and with two local machines, it's easiest. I'm still having problems getting the "telnet" to work properly, I think it has to do with how I start the "telunix" and the gettys on the pty's (if someone might have a clue, I'd appreciate any pointers).

Well onto my questions, please E-MAIL me I will *summarize* this ...

How does one get into HAM-RADIO and interfacing it with computers so I could conceivably connect up to the .AMPR.ORG domain and have a TCP/IP connection for TELNET's and FTP's?

What hardware does one need?

The cost involved?

How do I go about getting an FCC license (what's involved education wise)?

Does one transmit modem tones (eg. Telebit Trailblazer PEP tones) over a particular frequency? How do you interface the modem to the ham-radio equipment?

What range in miles does the transmitting and receiving get done? How big is the .AMPR.ORG network? And what computer hardware/ham-radio hardware do they generally use?

Thanks in advance for any insight.

-Lenny

```
--
| Lenny Tropiano           ICUS Software Systems        lenny@icus.ICUS.COM |
| {ames,pacbell,decuac,sbcs,hombre,rayssd}!icus!lenny   attmail!icus!lenny  |
+------ ICUS Software Systems --  PO Box 1;  Islip Terrace, NY  11752 ------+
```

From 2395300930032913956
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3b40e6e7d7cee24
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-03 15:42:44 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!stjhmc!f1.n234.z1.fidonet.org!Jim.Grubs
From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Sweeping carrier in the HF bands
Message-ID: <13832.25F057AF@stjhmc.fidonet.org>
Date: 3 Mar 90 23:42:44 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 14
Posted: Sun Mar 4 00:42:44 1990

> From: charlie@oakhill.UUCP (Charlie Thompson)
>
> I have noticed (for some time now) a sweeping carrier
> passing through the HF bands. It appears both in the
> amateur HF bands and other HF frequencies as well.

It sounds very much like one of the Air Force Communications Command's propagation sounders. The FCC doesn't have diddly to say about it.

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

From 2044672202721676l4
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d3e3fc875f98575
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-03 15:42:56 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!cs.utexas.edu!asuvax!stjhmc!f1.n234.z1.fidonet.org!Jim.Grubs
From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Re^2: You ask me to memorize...
Message-ID: <13833.25F057B1@stjhmc.fidonet.org>
Date: 3 Mar 90 23:42:56 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 13
Posted: Sun Mar 4 00:42:56 1990

> From: phil@ux1.cso.uiuc.edu
>
> Why is it that the Canadian license was called "digital" when it in fact
> was
> really a "nocode" license?

I'm told the written exam is slanted toward packet radio techniques.

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

From 1467317678795706213
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1e4da7503f8f2020,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-03 17:33:00 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!ucbvax!OAC.UCLA.EDU!CSMSCST
From: CSMSCST@OAC.UCLA.EDU (Chris Thomas)
Newsgroups: rec.ham-radio
Subject: IRCI Kenwood newsletter
Message-ID: <9003040803.AA06755@ucbvax.Berkeley.EDU>
Date: 4 Mar 90 01:33:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8

Posted: Sun Mar 4 02:33:00 1990

Does anyone else subscribe to International Radio's Kenwood
newsletter? If so, what is the last issue you have received?
(The last one I got was nr. 89, Sept/89). Thankx.

/Chris Thomas - AA6SQ (formerly, WA6HTJ)

Internet: csmscst@oac.ucla.edu
Bitnet: csmscst@uclamvs.bitnet

From -7864170776136504168
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1583b2c8db4b4a48,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,1583b2c8db4b4a48,start
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-03-03 21:02:33 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!briar.philips.com!rfc
From: rfc@briar.philips.com (Robert Casey)
Newsgroups: rec.ham-radio,sci.electronics
Subject: FT301 mod file
Message-ID: <83946@philabs.Philips.Com>
Date: 4 Mar 90 05:02:33 GMT
Sender: news@philabs.Philips.Com
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 49
Xref: gmdzi rec.ham-radio:9968 sci.electronics:5537
Posted: Sun Mar 4 06:02:33 1990

copied from packet:
MSG#7 03/03/90 23:33:47 FROM KD6TH TO WA2ISE
F:145.07

Subject: - files\FT301.MOD

FILE OF INFORMATION ON FT301 MODIFICATIONS

DISPLAY LED'S:

THESE RUN HOT AND OFTEN BURN OUT SEGMENTS. CURE IS TO REDUCE OPERATING VOLTAGE WHICH TYPICALLY RUNS >5V. FROM VOLTAGE REGULATOR Q2 ON THE MAIN CHASSIS.   A 1N400 DIODE IN SERIES WITH THE OUTPUT OF Q2 DROPS NEARLY A VOLT FROM THE SUPPLY VOLTAGE. IF THE DISPLAYS STILL WORK OK, THEY WILL RUN COOL. (PREVIOUSLY, OTHERS HAVE REMOVED RED PLASTIC LENS FOR BETTER VENTILLATION, OR HAVE EVEN DRILLED HOLES THRU TOP OF RIG.)

SPEECH PROC:

OFTEN FT301'S HEARD ON THE AIR HAVE HAD DISTORTED AUDIO. A SINGLE I.C. CONTAINS ALL THE MIC AMPLIFICATION AND ALSO DRIVES THE RING MODULATOR IN THE SSB TRANSMIT PATH. THIS AMP IS DRIVEN TO HORRIBLE DISTORTION IF

THE STOCK (HANDHELD) MIC IS USED AT FULL CLOCKWISE MIC GAIN SETTING. THIS IS THE WRONG PLACE TO HAVE CLIPPING OCCUR. ALSO RESPONSE OF AMP IS FAR TO "GENEROUS." SUGGEST LIMITING LOW END RESPONSE WITH SERIES 2. UF CAP (MUST BE MYLAR OR NON-POLAR) AT MICROPHONE CONNECTOR. HAVE IGNORED THE FACT THAT THE HI END RESPONSE OF THAT AMP GOES WELL BEYOND 50 KHZ. R.F. CLIPPING IN MY FT301 WAS ACTUALLY ONLY ABOUT 6Db. DUE TO THE LACK OF RF GAIN IN THE CLIPPER STAGES. THIS CURE FOR LOW GAIN WAS MOST EFFECTIVE: AN EXTRA STAGE OF GAIN IS AVAILABLE FOR THE TAKING ON THE "NB UNIT" CARD. (Q201 IS NORMALLY USED ONLY WITH THE PROCESSER OFF AS AN ALTERNATE RF PATH) RIG Q201 IN SERIES Q202, AND KEEP BOTH STAGES POWERED UP REGARDLESS OF POSITION OF "RF PROC" SWITCH. WITH THE EXTRA STAGE, IT IS EASILY POSSIBLE TO KEEP THE RING MODULATOR IN THE LINEAR REGION AND STILL DEVELOP 15 TO 20 Db. OF RF CLIPPING.
TO IMPLEMENT THIS CHANGE: JUMPER PINS 10 & 11 ON THE N.B. CARD SUPPLIES VOLTAGE). OPEN 1 K R205 AT WIPER TO VR201, LET IT HANG. OPEN 0.01 C204 AT TRANSFORMER, AND JUMPER TO WIPER OF R205 WITH SHORT LEAD (UNSHIELDED SEEMS OK). RUN VR201 AT NO MORE THAN ABOUT 3/4 GAIN. WITH HIGH LEVELS OF RF CLIPPING, IT IS IMPORTANT THAT THE AUDIO BE RATHER LACKING IN BASS TO AVOID A MUDDY SOUND. PREEMPHASIS ACCROSS THE FULL AUDIO BANDPASS SOUNDS PRETTY BAD, SO I WOULD UP WITH A .1 CAP IN SERIES WITH THE WIPER ON THE MIKE GAIN CONTROL AND FINALLY SHUNTED THAT CAP WITH ABOUT 1000 OHMS (ADJUST THAT VALUE OF RESISTANCE TO GIVE GOOD ARTICULATION AND STILL BE SEMI-PLEASANT.

INFO VIA K2ZLU @ KD6TH-4

I haven't tried or verified this, proceed at your own risk! WA2ISE
cmd:

From -8037797858241046669
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed09906a6b1b8c79,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-04 06:38:56 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!edinboro.edu!sciamanda
From: sciamanda@edinboro.edu
Newsgroups: rec.ham-radio
Subject: Dak radio
Message-ID: <890@edinboro.edu>
Date: 4 Mar 90 14:38:56 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: Edinboro University of Pennsylvania
Lines: 6
Posted: Sun Mar 4 15:38:56 1990

I have dealt with Dak over several years, with satisfaction. They do back up their 30 day trial period with full refund (I even got return UPS charges). No complaints with them; but no info on this particular item. Try it and return it if unsatisfactory!

Bob Sciamanda W3NLV
Erie, PA

From -1384559389297492732
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5386a1d6291a4f94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-04 12:05:43 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!max!crisp
From: crisp@mips.COM (Richard Crisp)
Newsgroups: rec.ham-radio
Subject: Yaesu FRG9600
Message-ID: <36661@mips.mips.COM>
Date: 4 Mar 90 20:05:43 GMT
References: <1606@east.East.Sun.COM> <5658@sbcs.sunysb.edu>
Sender: news@mips.COM
Reply-To: crisp@mips.COM (Richard Crisp)
Organization: MIPS Computer Systems, Sunnyvale, CA
Lines: 7
Posted: Sun Mar 4 21:05:43 1990

Does anyone out there know of modifications that can be made to the FRG9600
to increase it's scanning speed? I feel like 7-8 seconds/frequency is too slow
for my needs.
thanks

--
Making the world safe for technocracy.

From 4616528192063676373
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,101b7196fca268f6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-04 12:47:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!samsung!
uakari.primate.wisc.edu!ames!pacbell!tandem!kevinr
From: kevinr@tandem.com (Kevin J. Rowett)
Newsgroups: rec.ham-radio
Subject: Re: ISDN for linking packet and repeaters
Keywords: ISDN
Message-ID: <1990Mar4.204752.11276@tandem.com>
Date: 4 Mar 90 20:47:52 GMT
References: <37@thoreau.nsc.com> <23214@usc.edu>
Reply-To: kevinr@tandem (Kevin J. Rowett)
Organization: Tandem Computers, Inc.
Lines: 28
Posted: Sun Mar 4 21:47:52 1990

In article <23214@usc.edu> kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:
>   I want a few
>10Mb/sec lines coming into my house.
>
>Ken Hendrickson N8DGN   kjh@usc.edu   ...!uunet!usc!pollux!kjh

I'd like that too! However, don't set your expectation too high. It will be 10-20 years perhaps before this is commonly available from your local telco for the majority of subscribers at rates similiar to what you pay now.

Why? Well, the rate you pay doesn't reflect much to pay for equipment because the phone company spreads that cost over many people and many years.

Also, if you look at the actual data rate from each subscriber, it's very low compared to the 10Mbps your asking for. Worse, it's not the copper in the ground/pole limiting the bandwidht, it's the switch in the central office. It's sized to handle 10-20 of its subscribers off-hook at the same time. Massive upgrades and new technology will be required to support the total aggragate data rate indicated by your simple request. Bell is working on it (ATM networks), newer switching technology, but it's not as easy as it may first appear.

BTW, ISDN is really only an interface spec. ISDN doesn't help at all in terms of moving the data!

KR

From -7543077952235165706
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c74441a25024408d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-04 14:03:36 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!sbcs!root
From: root@sbcs.sunysb.edu (SBCS System Staff)
Newsgroups: rec.ham-radio
Subject: FT301D display
Message-ID: <5937@sbcs.sunysb.edu>
Date: 4 Mar 90 22:03:36 GMT
Sender: root@sbcs.sunysb.edu
Organization: State University of New York at Stony Brook
Lines: 5
Posted: Sun Mar 4 23:03:36 1990

Does anyone know of a source for replacement displays for the
Yaesu FT301D?

Rick Spanbauer
wb2cfv

From -8808123154431615244
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db2a1925d0f47ecb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-04 14:31:43 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucbvax!hplabs!hpfcso!

hpldola!paul
From: paul@hpldola.HP.COM (Paul Bame)
Newsgroups: rec.ham-radio
Subject: Re: Atlantis heard during launch
Message-ID: <12120033@hpldola.HP.COM>
Date: 4 Mar 90 22:31:43 GMT
References: <20405@bellcore.bellcore.com>
Organization: HP Elec. Design Div. -ColoSpgs
Lines: 6
Posted: Sun Mar 4 23:31:43 1990

Our local paper has unnamed sources stating that the payload
of the Atlantis flight was a sophisticated spy satellite which
would take pictures of areas of the Soviet Union never before
photographed by satellite. Make your own conclusion.

-Paul N0KCL

From 9027335023282126478
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c9b93bedccf07cb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-04 15:26:59 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucla-cs!
elroy.jpl.nasa.gov!decwrl!shelby!unix!hplabs!hpda!hpcupt1!hprnd!hprmokg!barry
From: barry@hprmokg.HP.COM (Barry Fowler)
Newsgroups: rec.ham-radio
Subject: Re: Transistor identification.
Message-ID: <29490011@hprmokg.HP.COM>
Date: 4 Mar 90 23:26:59 GMT
References: <01.Mar.90.09:49:16.GMT.#2933@UK.AC.NWL.IA>
Organization: HP Networked Computer Mfg. Operation
Lines: 19
Posted: Mon Mar 5 00:26:59 1990

It crosses to a Sylvania ECG 160, pnp germanium rf/if amp. osc/mxr

BVCBO= 30v
BVCEO= 20v
Ic max. = 200ma
max. coll. diss.= 200mw
"frequency" -= 400 mhz
hfe= 60

Barry M. Fowler   Hewlett Packard Company

Networked Computer Manufacturing Operation - Roseville, California

e-mail: barry@hprmokg.rose.hp.com

Verbal: Hey Barry!
R.F. : WB6JZL

From 7956014993593661134
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c089cea804aac4fc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-04 16:32:00 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!jarvis.csri.toronto.edu!torsqnt!tmsoft!masnet!canremote!graham.newton
From: graham.newton@canremote.uucp (GRAHAM NEWTON)
Newsgroups: rec.ham-radio
Subject: Re: ACC's RC-850 repeater
Message-ID: <90030913431015@masnet.uucp>
Date: 5 Mar 90 00:32:00 GMT
Organization: Canada Remote Systems Limited, Mississauga, ON, Canada
Lines: 19
Posted: Mon Mar 5 01:32:00 1990

I would be really interested to hear what "bugs" you have found in the
RC850 firmware. I bought one of the earliest RC850's for VE3TRO here in
Toronto Canada (I think it was less than the 10th unit ACC made).
The equipment has performed well over the years, and we have followed
the upgrade path all the way. We are about to install the computer
control board and the DVR. (I intstalled the DVR in a Montreal
repeater almost two years ago and had good success with it.)
We used an Icom IC22U for a 2 meter remote base on a two meter repeater,
using a pair of switched notch cavities to kill the output frequency on
the remote base receiver.
We would have liked to see a provision to lock out a number of
frequencies on the remote base, since some bright light discovered he
could dial up the output frequency and lock up the whole effort!
Generally, I found ACC very co-operative and helpful, and they certainly
make probably the best repeater controller available.

.... Graham Newton, VE3MEG, Toronto CANADA
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* Via ProDoor 3.1R

From -5921894845662260851
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e816bb81bef462c7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-04 18:42:01 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9003050805.AA15831@ucbvax.Berkeley.EDU>
Date: 5 Mar 90 02:42:01 GMT

Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 414
Posted: Mon Mar 5 03:42:01 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

- Current NASA Prediction Bulletins #657 -

```
Alouette 1
1 00424U 62B-A  1 90 60.41052256  .00000238  00000-0  27641-3 0  2618
2 00424  80.4593  32.3173 0022653 187.0988 172.9882 13.67300116367965
ATS 1
1 02608U 66110  A 90 59.83121188 -.00000218  00000-0  99999-4 0  1134
2 02608  13.4518  14.5973 0003423 301.4439  58.5330  1.00387209  1460
ATS 3
1 03029U 67111  A 90 56.92183760 -.00000074  00000-0  99999-4 0  2956
2 03029  13.0654  22.1218 0016814 206.6428 153.3235  1.00272446 81680
Cosmos 398
1 04966U 71 16  A 90 60.73832185  .00066751  16729-4  38943-3 0  6117
2 04966  51.5428 144.8082 2360532 307.5632  33.2703 10.86999716579911
Starlette
1 07646U 75010  A 90 58.89301169  .00000019  00000-0  62326-4 0   135
2 07646  49.8234 229.7315 0206338 190.1582 169.5108 13.82132129760669
LAGEOS
1 08820U 76039  A 90 59.43422293  .00000003  00000-0  00000 0 0   156
2 08820 109.8618 317.8811 0044622 261.3450  98.2272  6.38664549 66992
GOES 2
1 10061U 77048  A 90 46.00000000 -.00000258  00000-0  99999-4 0  3633
2 10061   7.7624  65.4409 0000805 193.4731 191.6728  1.00264670  7811
GPS-0001
1 10684U 78020  A 90 60.23656369  .00000008  00000-0  99999-4 0  3352
2 10684  63.6653  92.8811 0116675 200.1139 159.5177  2.00558626 73684
GPS-0002
1 10893U 78 47  A 90 53.22536190 -.00000026  00000-0  00000 0 0   991
2 10893  64.4361 333.9693 0162170  25.6468 335.1733  2.00548996 86362
GOES 3
1 10953U 78062  A 90 58.11270128  .00000083  00000-0  99999-4 0  8208
2 10953   6.6670  67.8212 0005788 256.6137 103.5136  1.00283727  3494
SeaSat 1
1 10967U 78064  A 90 56.62218685  .00000859  00000-0  34156-3 0  2386
2 10967 108.0201  89.9774 0003002 231.9445 128.1478 14.35434504610443
GPS-0003
1 11054U 78093  A 90 60.00579268 -.00000025  00000-0  00000 0 0  1696
2 11054  63.9599 330.0930 0056498 117.7307 242.8578  2.00565740 83512
Nimbus 7
1 11080U 78098  A 90 60.26129715  .00000125  00000-0  14292-3 0  6345
2 11080  99.2029 327.5962 0009612  15.4384 344.7071 13.83400402573118
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GPS-0004
1 11141U 78112  A 90 59.60344774  .00000008  00000-0  00000 0 0  2782
2 11141  63.6095  92.8176 0059640 316.5845  43.0160  2.00562248 82203
NOAA 6
1 11416U 79 57  A 90 60.47130980  .00001535  00000-0  65169-3 0  9778
2 11416  98.5232  55.4099 0013002  79.0072 281.2609 14.26516132554572
GPS-0005
1 11690U 80 11  A 90 59.24353162  .00000009  00000-0  00000 0 0  9129
2 11690  64.1500  94.8217 0157620 201.2495 158.1617  2.00557517 88052
GPS-0006
1 11783U 80 32  A 90 59.55686782 -.00000025  00000-0  00000 0 0   496
2 11783  63.7699 329.6893 0148410  60.5612 300.9295  2.00573486 72147
GOES 4
1 11964U 80 74  A 90 53.78685992 -.00000165  00000-0  00000 0 0  1377
2 11964   6.1442  70.5882 0029705 108.2506 252.2982  0.99233491  4515
GOES 5
1 12472U 81049  A 90 55.97600714 -.00000241  00000-0  99999-4 0  8267
2 12472   3.1857  77.0796 0011522 312.0794  48.8527  1.00256392 31124
DE 1
1 12624U 81 70  A 90 59.21886292  .00000193  00000-0  66047-3 0  3344
2 12624  89.0729 148.8872 6222517 318.5056   8.1072  3.51027219258297
SME
1 12887U 81100  A 90 58.08917288  .00043095  00000-0  99284-3 0  5027
2 12887  97.6531  99.4556 0003537  60.7384 299.4220 15.42474782464256
Meteor 2-08
1 13113U 82 25  A 90 57.82701156  .00000160  00000-0  13363-3 0  6934
2 13113  82.5375 216.3296 0017016  67.9470 292.3532 13.84134944400469
Salyut 7
1 13138U 82 33  A 90 60.28992269  .00008612  00000-0  13114-3 0   760
2 13138  51.6040 127.0926 0000717  43.7023 316.3899 15.55378681448010
Cosmos 1383
1 13301U 82 66  A 90 58.30513392  .00000133  00000-0  14444-3 0  5384
2 13301  82.9311  21.2980 0029102 102.1749 258.2670 13.67802161382653
LandSat 4
1 13367U 82 72  A 90 59.35780708  .00000352  00000-0  83019-4 0  2459
2 13367  98.1791 123.9572 0003985 102.2780 257.8915 14.57129440405453
Meteor 2-09
1 13718U 82116  A 90 58.95269142  .00000281  00000-0  14166-3 0  8595
2 13718  81.2413  31.2886 0056397 352.5913   7.4456 14.13452238371681
IRAS
1 13777U 83  4  A 90 57.54935596  .00000546  00000-0  40319-3 0  7204
2 13777  99.0319 256.0155 0012454 336.6115  23.4521 13.98743102 31473
Cosmos 1447
1 13916U 83 21  A 90 58.09208216  .00000113  00000-0  10899-3 0  6761
2 13916  82.9458  93.4638 0039916  85.7886 274.7835 13.74011287347555
TDRS 1
1 13969U 83 26  B 90 59.96460331 -.00000206  00000-0  00000 0 0  9316
2 13969   4.2092  66.7254 0008533 268.2645  91.9157  1.00264953 91999
GOES 6
1 14050U 83 41  A 90 58.16044134  .00000110  00000-0  00000 0 0   847
2 14050   1.9524  79.8365 0003393 219.6801 140.7958  1.00282994  9161
OSCAR 10
1 14129U 83 58  B 90 49.80793411  .00000000  00000-0  00000 0 0  4563
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2 14129  25.9253 218.0969 5995939 119.7301 312.5438  2.05881409 22299
GPS-0008
1 14189U 83 72  A 90 58.15581193  .00000007  00000-0  99999-4 0  7093
2 14189  63.3049  91.3462 0142164 217.2150 141.8663  2.00560030 48558
Meteor 2-10
1 14452U 83109  A 90 60.08251111  .00000894  00000-0  37647-3 0  8238
2 14452  81.1581  36.0102 0095744  76.2766 284.9052 14.22608305329068
LandSat 5
1 14780U 84 21  A 90 60.41454339  .00000757  00000-0  17792-3 0   598
2 14780  98.1331 122.2240 0003157 144.5657 215.5753 14.57157368319028
UoSat 2
1 14781U 84 21  B 90 60.18781917  .00002418  00000-0  46018-3 0  6212
2 14781  97.9647 116.2327 0012630 224.1641 135.8969 14.64947016320153
GPS-0009
1 15039U 84 59  A 90 59.71150208  .00000007  00000-0  00000 0 0  8222
2 15039  63.0551  90.4954 0019579 241.7192 118.2301  2.00562924 41863
Cosmos 1574
1 15055U 84 62  A 90 58.19287415  .00000117  00000-0  11462-3 0  8260
2 15055  82.9600 143.3942 0026030 270.7752  89.0421 13.73327789284974
Meteor 2-11
1 15099U 84 72  A 90 58.70470557  .00000283  00000-0  24654-3 0  9988
2 15099  82.5337 163.1447 0011841 239.5138 120.4863 13.83793621285457
GPS-0010
1 15271U 84 97  A 90 59.60645172 -.00000025  00000-0  00000 0 0  7577
2 15271  63.2601 329.3028 0106048 325.1303  34.2438  2.00573140 38972
Cosmos 1602
1 15331U 84105  A 90 60.15072357  .00003925  00000-0  54678-3 0  1776
2 15331  82.5360 100.9967 0023056 330.6258  29.3751 14.77399932292132
NOAA 9
1 15427U 84123  A 90 60.45603462  .00000940  00000-0  52976-3 0  4868
2 15427  99.1648  57.8071 0014466 314.1835  45.8150 14.12457910268779
Meteor 2-12
1 15516U 85 13  A 90 59.05832031  .00000231  00000-0  19600-3 0  1582
2 15516  82.5352 101.2388 0018089 114.5553 245.7503 13.84285160256454
Cosmos 1686
1 16095U 85 86  A 90 59.06906866  .00031310  00000-0  45849-3 0  5090
2 16095  51.6070 133.1941 0000803  30.6309 329.0566 15.55288725248920
GPS-0011
1 16129U 85 93  A 90 59.27110333  .00000008  00000-0  00000 0 0  4168
2 16129  63.8338  91.3930 0120586 150.5842 210.1705  2.00560259 32172
Meteor 3-1
1 16191U 85100  A 90 48.53696332  .00000043  00000-0  99999-4 0  8940
2 16191  82.5439  62.2770 0021297  50.2786 310.0210 13.16895091207812
Meteor 2-13
1 16408U 85119  A 90 58.84687368  .00000232  00000-0  19826-3 0  5728
2 16408  82.5327  16.2371 0015460 309.4316  50.5479 13.84298334210929
Mir
1 16609U 86 17  A 90 60.29778265 -.00007013  00000-0 -84836-4 0  4345
2 16609  51.6177 153.8856 0016747 220.9865 138.9686 15.58930728231256
SPOT 1
1 16613U 86 19  A 90 60.12721925  .00001092  00000-0  53136-3 0  7783
2 16613  98.7106 136.1339 0001586 119.6560 240.4799 14.20040911 48597
Meteor 2-14
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1 16735U 86 39  A 90 58.93816074  .00000202  00000-0  17159-3 0  3565
2 16735  82.5333  43.1223 0015381  20.8724 339.3066 13.84049743189836
Cosmos 1766
1 16881U          90 60.44973116  .00003859  00000-0  54266-3 0  8758
2 16881  82.5234 159.8857 0021311 345.8857  14.1756 14.76999434193240
EGP
1 16908U 86 61  A 90 53.55039819 -.00000025  00000-0  95708-4 0  1704
2 16908  50.0105 248.4193 0010798 262.7166  97.2451 12.44384952160583
FO-12
1 16909U 86 61  B 90 51.92031722 -.00000025  00000-0  99999-4 0  1794
2 16909  50.0153 253.7437 0010861 255.9721 103.9906 12.44404056160374
NOAA 10
1 16969U 86 73  A 90 60.52697286  .00000646  00000-0  30098-3 0  3460
2 16969  98.6135  90.8378 0012702 221.3159 138.7082 14.23474323179295
Meteor 2-15
1 17290U 87  1  A 90 58.61290293  .00000271  00000-0  23474-3 0  3345
2 17290  82.4697 308.8887 0011779 272.2755  87.7097 13.83863316158941
MOS-1
1 17527U 87 18  A 90 59.68658133  .00000321  00000-0  26436-3 0  4196
2 17527  99.1188 133.5919 0000862  75.7609 284.3653 13.94860641154138
GOES 7
1 17561U 87 22  A 90 57.86450471 -.00000043  00000-0  99999-4 0  4201
2 17561   0.0479 278.3465 0005510  97.0419 344.6065  1.00270231  4310
Kvant-1
1 17845U 87 30  A 90 59.91316386  .00053037  00000-0  66808-3 0   117
2 17845  51.6192 155.8195 0017005 219.2454 140.7285 15.58922845167241
DMSP B5D2-3
1 18123U 87 53  A 90 60.56695986  .00001177  00000-0  64039-3 0  4937
2 18123  98.8187 252.6005 0014245 332.6901  27.3521 14.13891053139196
RS-10/11
1 18129U 87 54  A 90 59.94953892  .00000165  00000-0  17015-3 0   515
2 18129  82.9235  48.4869 0013322  62.4188 297.8336 13.72063512134603
Meteor 2-16
1 18312U 87 68  A 90 58.91549732  .00000218  00000-0  18868-3 0  3748
2 18312  82.5506  16.8901 0010421 196.7088 163.3733 13.83602617127873
Meteor 2-17
1 18820U 88  5  A 90 58.98423229  .00000148  00000-0  12252-3 0  2026
2 18820  82.5413  77.2737 0015284 274.0695  85.8720 13.84296367105072
DMSP B5D2-4
1 18822U 88  6  A 90 60.56989027  .00001316  00000-0  62066-3 0  4083
2 18822  98.6618 301.7475 0005909 217.6914 142.3854 14.21292442107535
AO-13
1 19216U 88 51  B 90 54.30232176 -.00000091  00000-0  99999-4 0   770
2 19216  57.0658 167.4162 6899473 221.7453  57.5228  2.09701313 13019
OKEAN 1
1 19274U 88 56  A 90 59.92157553  .00002876  00000-0  40877-3 0  6595
2 19274  82.5133 258.9916 0023367 113.9385 246.4313 14.76427824 88945
Meteor 3-2
1 19336U 88 64  A 90 57.87193849  .00000391  00000-0  99999-3 0  3791
2 19336  82.5488 355.4769 0015984 226.0902 133.8903 13.16876329 76439
NOAA 11
1 19531U 88 89  A 90 60.35370320  .00000890  00000-0  51175-3 0  2037
2 19531  98.9706   8.6194 0011513 225.0782 134.9451 14.11467817 73754
```

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TDRS 2
1 19548U 88 91  B 90 57.04276429  .00000130  00000-0  99999-4 0   767
2 19548   0.0099  17.0293 0002077 313.7949  29.1376  1.00274086  4337
Cosmos 2001
1 19796U 89 11  A 90 59.02718768 -.00001041  00000-0  99999-3 0  3723
2 19796  63.0329 106.8917 7140220 319.7923   5.1050  2.00577684  7613
GPS BII-01
1 19802U 89 13  A 90 57.28277919  .00000016  00000-0  99999-4 0   703
2 19802  55.0694 201.7825 0059809 158.4626 201.7520  2.00561758  7524
Akebono
1 19822U 89 16  A 90 60.03773989  .00032605  00000-0  21048-2 0  4579
2 19822  75.1312 291.3529 4208510 290.3687  30.0587  7.05769414 25776
Meteor 2-18
1 19851U 89 18  A 90 58.20440967  .00000188  00000-0  16080-3 0  1531
2 19851  82.5234 316.0960 0013491 319.0705  40.9448 13.83938725 50359
TDRS 3
1 19883U 89 21  B 90 45.71262869 -.00000235  00000-0  99999-4 0   540
2 19883   0.0420 275.5431 0004258 356.2517  88.1551  1.00272821  2667
GPS BII-02
1 20061U 89 44  A 90 51.48309270 -.00000031  00000-0  00000 0 0   504
2 20061  54.7073  20.5658 0082028 172.4480 187.6808  2.00563796  5156
Nadezhda
1 20103U 89 50  A 90 60.87386968  .00000168  00000-0  16826-3 0   800
2 20103  82.9603   4.0984 0037993 339.9533  20.0145 13.73565484 32987
GPS BII-03
1 20185U 89 64  A 90 59.42995283  .00000016  00000-0  99999-4 0   434
2 20185  54.9367 202.5631 0026787 142.3951 217.7519  2.00563706  3886
Soyuz TM-8
1 20218U 89 71  A 90 49.78131967  .00016618  00000-0  22296-3 0  1653
2 20218  51.6150 206.6764 0018210 178.1172 182.1942 15.57896318 25820
Activnyi
1 20261U 89 80  A 90 60.38199291  .00013692  00000-0  43662-2 0  3126
2 20261  82.5965 296.9923 1258739 222.0017 127.7292 12.43277187 19199
Activnyi RB
1 20262U 89 80  C 90 59.18271564  .00001106  00000-0  34867-3 0  1399
2 20262  82.5924 297.7621 1260282 224.7506 124.4964 12.42986398 19041
Magion 2
1 20281U 89 80  B 90 60.36959661  .00014627  00000-0  46209-2 0  3265
2 20281  82.5959 296.9650 1259329 221.9858 127.7651 12.43457658 19190
GPS BII-04
1 20302U 89 85  A 90 24.26182608 -.00000030  00000-0  99999-4 0   405
2 20302  54.7308 322.9201 0039138 309.5421  50.1182  2.00572809  1868
Meteor 3-3
1 20305U 89 86  A 90 60.01873175  .00000046  00000-0  10249-3 0   549
2 20305  82.5545 294.3024 0015118 240.3269 119.6305 13.15851639 16720
COBE
1 20322U 89 89  A 90 60.06930402  .00004687  00000-0  31288-2 0   532
2 20322  99.0256  71.4619 0007038 312.0500  48.0074 14.01367845 14343
Kvant-2
1 20335U 89 93  A 90 59.91315846  .00060824  00000-0  76454-3 0  1274
2 20335  51.6157 155.8206 0016098 217.7193 142.2238 15.58937804 14840
GPS BII-05
1 20361U          90 53.47073659 0.00000016           10000-3 0   159
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2 20361  54.9655 144.8906 0064526  44.0045 316.5297  2.00576517  1423
Progress M2
1 20373U 89 99  A 90 39.96519137  .00040609  00000-0  54269-3 0   643
2 20373  51.6179 255.8868 0019612 143.3281 216.8138 15.57412172  6997
Cosmos 2053
1 20389U 89100  A 90 37.69776942 -.00009522  00000-0 -52566-3 0   841
2 20389  73.5350  12.9155 0009246 142.4199 217.7513 15.13845107  6312
1989 100B
1 20390U 89100  B 90 37.89506855  .00003174  00000-0  17917-3 0   452
2 20390  73.5364  12.4933 0008510 140.5643 219.6170 15.13676726  6346
Cosmos 2054
1 20391U 89101  A 90 36.43219190 -.00000113  00000-0  99999-4 0   683
2 20391   1.4298 273.9944 0013700 184.1560 176.3791  1.00219912   420
Skynet 4A
1 20401U          90 34.46985689 0.00000105                   0   342
2 20401   3.3785 303.9369 0021714  52.1684 308.2156  1.00597179   216
JCSAT
1 20402U 90  1  B 90 37.19418073 -.00000138  00000-0  99999-4 0   218
2 20402   0.2478 260.8796 0002589  13.7330  85.3249  1.00270543   340
1990 001D
1 20404U          90 38.32261194 0.00002626           17207-2 0   331
2 20404  21.5429 270.3906 7209065 196.3238 114.5390  2.34605795   883
1990 001F
1 20406U          90 38.86337825 0.00007184           19135-2 0   300
2 20406  26.7137 254.6073 5866581 226.3657  66.9195  4.22382468  1597
LEASAT 5
1 20410U          90 44.00498078 0.00000071           10000-3 0   239
2 20410   3.3547 323.2542 0123328 185.1682 174.8531  1.00284836   283
1990 002C
1 20411U          90 46.13646292 0.00006624           15573-2 0   373
2 20411  27.1943  95.8363 5238158  60.6639 341.5665  5.20564091  1847
Cosmos 2056
1 20432U          90 48.61316750 0.00000331           13772-3 0   216
2 20432  74.0360 264.2249 0024233 282.9758  76.8658 14.29717088  4288
1990 004B
1 20433U          90 51.16735862 0.00000442           17528-3 0   238
2 20433  74.0347 259.4384 0036366 290.2242  69.5000 14.31252170  4661
SPOT 2
1 20436U          90 56.78032648 0.00000994           48486-3 0   493
2 20436  98.7194 132.8230 0000604  78.9220 281.2107 14.20036650  4936
UO-14
1 20437U          90 55.20174903 0.00000657           27834-3 0   211
2 20437  98.7087 131.6114 0012010 122.2958 237.9431 14.28494406  4732
UO-15
1 20438U          90 55.27691186 0.00000389           17221-3 0   206
2 20438  98.7116 131.6863 0010839 119.4242 240.8021 14.28272390  4743
PACSAT
1 20439U          90 54.28921251 0.00000423           18447-3 0   217
2 20439  98.7162 130.7247 0011992 124.4410 235.7905 14.28583324  4606
DO-17
1 20440U          90 55.05890315 0.00000500           21537-3 0   121
2 20440  98.7155 131.4930 0012085 121.7102 238.5335 14.28618169  4715
WO-18
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1 20441U 90  5  F 90 53.23543324  .00000543  00000-0  23195-3 0   129
2 20441  98.7114 129.6772 0012817 128.9972 231.2353 14.28729505  4459
LO-19
1 20442U          90 54.28439073 0.00000415           18065-3 0   179
2 20442  98.7145 130.7265 0012829 124.9132 235.3282 14.28797281  4600
Ariane RB
1 20443U          90 47.11760523 0.00000341           14765-3 0   239
2 20443  98.6136 123.3651 0012081 122.4540 237.7812 14.30158961  3572
1990 006A
1 20444U          90 53.94247100 0.00000268           25109-3 0   354
2 20444  62.8140 110.5001 7374630 288.1794   9.4138  2.00664213   632
1990 006B
1 20445U          90 52.10581244 0.05530393  41231-4  13387-2 0   567
2 20445  62.8035   4.8083 0071469 124.1586 236.6420 16.21856451  4565
1990 006C
1 20446U          90 47.39633712 0.00000368           74758-3 0   283
2 20446  62.8305 111.3944 7323218 288.1118   9.7051  2.06386089   509
1990 006D
1 20447U          90 46.18458433 0.17566679  43231-4  28811-3 0   596
2 20447  62.8070  26.9687 0044137 116.7309 243.8196 16.42602277  3638
1990 005C
1 20450U          90 49.67030172 0.00181920 -19189-5  16565-2 0   439
2 20450  37.6783 240.9912 6005396 220.7886  73.8632  4.14286423  1022
GPS BII-06
1 20452U 90  8  A 90 49.69577892 -.00000001  00000-0  99999-4 0   188
2 20452  54.6448 260.8045 0035459  56.6684 303.7177  2.00568365   465
1990 008B
1 20453U          90 50.59057152 0.00005710           69074-3 0   264
2 20453  35.6431 123.9630 0591705 329.0175  27.6846 14.04532218  3619
Cosmos 2057
1 20457U          90 60.16185683 0.00772447  39580-4  33964-3 0   934
2 20457  62.8205 195.9926 0139867 117.7668 228.5594 16.03094172  5546
Cosmos 2058
1 20465U          90 52.05250576 0.00002655           40114-3 0   264
2 20465  82.5082 306.3255 0022850 201.4816 158.5500 14.73794878  3181
1990 010B
1 20466U          90 57.13960967 0.00001501           22415-3 0   174
2 20466  82.5064 301.6148 0022858 187.2711 172.8185 14.74059308  3927
PRC-26
1 20473U          90 56.29731861 -.00000264           10000-3 0   259
2 20473   0.1175 278.3067 0000287  94.6251 347.0467  1.00275184   211
1990 011B
1 20474U          90 58.75597084 0.00000334           10000-3 0   123
2 20474  30.5915 298.2916 7266510 192.5939 127.3577  2.30017114   500
1990 012A
1 20476U          90 60.06681627 0.00339575  16715-4  96854-3 0   655
2 20476  65.8327 313.9948 1315189 138.5527 232.2960 13.19961071  2934
1990 012B
1 20477U          90 60.17241409 0.00652291  16866-4  12383-2 0   731
2 20477  65.8443 313.1677 1268718 137.6845 232.9474 13.34066009  2967
MOS-1B
1 20478U          90 60.14138576 0.00009371           70184-2 0   511
2 20478  99.2002 130.7711 0001956  70.7129 289.3638 13.94666327  3078
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1990 013B
1 20479U          90 48.40043158 0.00000082           23413-3 0   163
2 20479  99.0572 117.4505 0540638 319.8437  36.3860 12.83148122  1380
FO-20
1 20480U          90 56.04185854 0.00000043           14712-3 0   141
2 20480  99.0553 123.6579 0540918 302.5752  52.4250 12.83114314  2368
1990 013D
1 20491U          90 56.15622604 0.00000383           77130-3 0   133
2 20491  99.0556 124.2656 0470143 293.6964  61.5499 13.02727175  1815
Soyuz TM-9
1 20494U          90 59.91322378 -.00038803          -48888-3 0   349
2 20494  51.6207 155.8184 0017250 220.4847 139.8207 15.58883155  2760
1990 015A
1 20496U          90 59.44196920 0.00011225           71111-3 0   208
2 20496  43.0911 199.4393 0013192  34.2240 325.9503 15.08911788  2085
1990 015B
1 20497U          90 59.81260482 0.00019219           59311-3 0   204
2 20497  43.1073 195.1431 0013889 354.3944   5.6754 15.33148074  2181
1990 015C
1 20498U          90 59.69761546 0.00060736           14852-2 0   231
2 20498  41.6430 194.3206 0041796 234.9843 124.7284 15.39008939  2173
Raduga 25
1 20499U          90 59.12566979 -.00000004           10000-3 0   216
2 20499   1.4547 273.3599 0004682 108.5587 250.6713  1.00260654   131
1990 016D
1 20502U          90 54.10485184 -.00000050           10000-3 0    55
2 20502   1.4939 273.5312 0040009  28.4599 331.0498  1.00012599   106
1990 017A
1 20508U 90 17  A 90 58.93378769  .00000006  00000-0  00000 0 0    15
2 20508  82.8741 140.3137 0044323 274.8818  84.7280 13.77911791    05
1990 017B
1 20509U 90017  B 90060.31674643 -.00002790  00000-0  00000-0 0 00048
2 20509 082.9598 139.4451 0036656 277.1956 082.5579 13.74642197000212
1990 018A
1 20510U 90 18  A 90 60.04683262 -.00002501  00000-0 -39421-3 0    52
2 20510  82.5274 197.2503 0018785 264.8646  95.0421 14.72624585   151
1990 018B
1 20511U 90 18  B 90 59.43531349  .00001098  00000-0  16770-3 0    29
2 20511  82.5251 197.8137 0018200 269.4693  90.9152 14.72930531    67
1990 020A
1 20513U 90 20  A 90 60.39283281  .00610680  00000-0  17883-2 0    51
2 20513  51.6201 153.7525 0040913 130.5951 229.8713 15.89438244    74
1990 020B
1 20514U 90020  B 90060.57141576  .05366419  00000-0  00000-0 0 00045
2 20514 051.6234 152.7613 0019310 094.3258 266.0674 16.32432540000107
--
Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology


From 3282674779069562206
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,73687997d40fbb76,start
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X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-04 18:42:19 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletin Format
Message-ID: <9003050806.AA15869@ucbvax.Berkeley.EDU>
Date: 5 Mar 90 02:42:19 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 69
Posted: Mon Mar 5 03:42:19 1990

As a service to the satellite user community, the following description of the NASA Prediction Bulletin's two-line orbital element set format is uploaded to sci.space on a monthly basis. The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

==

Data for each satellite consists of three lines in the following format:

```
AAAAAAAAAAA
1 NNNNNU NNNNNAAA NNNNN.NNNNNNNN +.NNNNNNNN +NNNNN-N +NNNNN-N N NNNNN
2 NNNNN NNN.NNNN NNN.NNNN NNNNNNN NNN.NNNN NNN.NNNN NN.NNNNNNNNNNNNNN
```

Line 1 is a eleven-character name.

Lines 2 and 3 are the standard Two-Line Orbital Element Set Format identical to that used by NASA and NORAD. The format description is:

Line 2

Column	Description
01-01	Line Number of Element Data
03-07	Satellite Number
10-11	International Designator (Last two digits of launch year)
12-14	International Designator (Launch number of the year)
15-17	International Designator (Piece of launch)
19-20	Epoch Year (Last two digits of year)
21-32	Epoch (Julian Day and fractional portion of the day)
34-43	First Time Derivative of the Mean Motion or Ballistic Coefficient (Depending on ephemeris type)
45-52	Second Time Derivative of Mean Motion (decimal point assumed; blank if N/A)
54-61	BSTAR drag term if GP4 general perturbation theory was used. Otherwise, radiation pressure coefficient. (Decimal point assumed)
63-63	Ephemeris type
65-68	Element number

69-69	Check Sum (Modulo 10) (Letters, blanks, periods = 0; minus sign = 1; plus sign = 2)

Line 3

Column	Description
01-01	Line Number of Element Data
03-07	Satellite Number
09-16	Inclination [Degrees]
18-25	Right Ascension of the Ascending Node [Degrees]
27-33	Eccentricity (decimal point assumed)
35-42	Argument of Perigee [Degrees]
44-51	Mean Anomaly [Degrees]
53-63	Mean Motion [Revs per day]
64-68	Revolution number at epoch [Revs]
69-69	Check Sum (Modulo 10)

All other columns are blank or fixed.

Example:

```
NOAA 6
1 11416U          86 50.28438588 0.00000140           67960-4 0  5293
2 11416  98.5105  69.3305 0012788  63.2828 296.9658 14.24899292346978
```

Note that the International Designator fields are usually blank, as issued in the NASA Prediction Bulletins.

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

From 5407481958095576456
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9ab6224dc2e07249,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-05 00:03:43 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!decwrl!shelby!csli!kawai
From: kawai@csli.Stanford.EDU (goh kawai - n6uok)
Newsgroups: rec.ham-radio
Subject: icom handheld receiver - brief review
Message-ID: <12537@csli.Stanford.EDU>
Date: 5 Mar 90 08:03:43 GMT
Sender: kawai@csli.Stanford.EDU (goh kawai - n6uok)
Reply-To: kawai@csli.stanford.edu (goh kawai - n6uok)
Organization: dept of linguistics, stanford university
Lines: 14
Posted: Mon Mar 5 09:03:43 1990

I heard a brief review on the new Icom handheld receiver, the IC-R1. I assume you know what it is (at least the catalog specs); here are a few remarks. All info hearsay from JA land.

* No frequency up-down key. Must press "enter" every time.
   Frequency dial seems okay.
* "Rubber duckie" antenna tuned to popular ham band frequencies,
   namely 140, 440, and 1300. Poor sensitivity on other bands.
* Suffers from intermod and poor image rejection when you hook
   up other antennas.
* Selling very well (sold out in many stores), but probably ought
   to wait until an improved model comes along.

>goh<

From -1109264746044867914
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,816e9230e7b542b0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-05 01:20:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uwm.edu!ogicse!decwrl!ucbvax!SC.INTEL.COM!RHAREL%FAB8
From: RHAREL%FAB8@SC.INTEL.COM ("RICHARD HAREL CAL.LAB INTEL")
Newsgroups: rec.ham-radio
Subject: DUAL BANDER RIGS AS REPEATERS ???
Message-ID: <9003060801.AA06942@ucbvax.Berkeley.EDU>
Date: 5 Mar 90 09:20:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 15
Posted: Mon Mar 5 10:20:00 1990

CAN SOMEONE PLEASE LET ME KNOW WHAT MOBILE RIGS ON THE MARKET
TODAY CAN OPERATE AS A CROSS-BAND REPEATER ?
I HAD AN ICOM 3210A AND RECENTLY SOLD IT BECAUSE I FOUND NO WAY FOR
IT TO OPERATE AS A CROSSBAND REPEATER USING THE OFFSET. IN OTHER
WORDS , IT ONLY OPERATED FROM ONE SIMPLEX FREQ. TO ANOTHER SIMPLEX
FREQ. THUS , THERE WAS NO WAY THAT I WAS ABLE TO GO IN ON UHF
AND COMEOUT ON VHF WITH THE 600 KHZ OFFSET.
ANY COMMENTS ABOUT USEOF DUAL-BANDERS, FEATURES ETC. WOULD BE APPRECIATED.

PLEASE USE THE RETURN MAILING ADDRESS LISTED WITH THIS MESSAGE AND NOT
THE GENERAL INFO-HAMS ADDRESS FOR COMMENTING.

73'S
DE 4X1DA @4Z4SV
RICHARD HAREL

From -8941019134036815432
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,101b7196fca268f6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-05 02:42:59 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!

pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: ISDN for linking packet and repeaters
Keywords: ISDN
Message-ID: <23252@usc.edu>
Date: 5 Mar 90 10:42:59 GMT
References: <37@thoreau.nsc.com> <23214@usc.edu>
<1990Mar4.204752.11276@tandem.com>
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 15
Posted: Mon Mar 5 11:42:59 1990

In article <1990Mar4.204752.11276@tandem.com> kevinr@tandem (Kevin J. Rowett) writes:
>BTW, ISDN is really only an interface spec. ISDN doesn't help at all
>in terms of moving the data!

I know ISDN is only an interface spec. The reason why I posted, (and the only thing that makes it relevant for amateur radio use and this newsgroup), is that I feel that the bandwidth that ISDN calls for is not enough. Since equipment will have to be upgraded, and the price difference for "doing it right the first time" is not that much higher, I am suggesting that ISDN not be implemented; instead a new spec should be designed and implemented.

ISDN is too little and too late IMHO.

Ken Hendrickson N8DGN   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From -8500774608740574544
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,172dbf36f88c68de
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-05 04:12:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: FCC Petitions
Message-ID: <30500432@ux1.cso.uiuc.edu>
Date: 5 Mar 90 12:12:11 GMT
Lines: 20
Nf-ID: #R:<9002272221.AA27028@KRONOS.NISD.:-47:ux1.cso.uiuc.edu:30500432:000:928
Nf-From: ux1.cso.uiuc.edu!phil   Mar 5 00:19:00 1990
Posted: Mon Mar 5 13:12:11 1990

> How can I find out the status of a FCC Petition, specifically,
> RM 2493? What, if any, is the advantage to responding to a
> petition with an original and 5 copies? Thanks,

Since all matters going to the FCC for action are legal matters, certain procedures need to be followed. In particular, if you are commenting about something said by someone in particular, you MUST "serve" a copy of what you say to them as well. When you make comments about a petition itself, or when you make reply-comments about anyone's comments, you need to send them a copy. The FCC rules (Part 1) spell out exactly what you must do.

Since an NPRM is made by the FCC staff themselves, comments about the NPRM are in fact getting to the staff, so you don't have to serve a copy on them.

Don't file reply-comments unless you know what you are doing. If you don't, might I suggest learning.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

```
From 2339930137486522852
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3248d9f789641f1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-05 04:12:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Canadian digital to advanced upgrad
Message-ID: <30500431@ux1.cso.uiuc.edu>
Date: 5 Mar 90 12:12:46 GMT
References: <9546@cbnewsm.ATT.COM>
Lines: 40
Nf-ID: #R:cbnewsm.ATT.COM:9546:ux1.cso.uiuc.edu:30500431:000:1283
Nf-From: ux1.cso.uiuc.edu!phil    Mar  5 00:02:00 1990
Posted: Mon Mar  5 13:12:46 1990
```

```
>
>    BASIC         250 watts on amateur frequencies 30 MHz
>             and up using commercial transmitting
>             equipment only. (No code requirement)
>
>    BASIC+5WPM    As above, plus all modes on 1.8-2.0 and
>             3.5-4.0 Mhz.
>
>    BASIC+12WPM   As above plus all modes on all remaining
>             Amateur bands.
>
>    ADVANCED As above, plus use of homebrew transmitting
>             equipment, maximum legal power, and the
>             right to own (?) and operate repeaters and
>             remote base stations.
```

So apparently there are THREE varieties of ADVANCED:

ADVANCED	As BASIC, plus use of homebrew transmitting equipment, maximum legal power, and the right to own (?) and operate repeaters and remote base stations on VHF/UHF only.
ADVANCED+5WPM	As BASIC+5WPM, plus use of homebrew transmitting equipment, maximum legal power, and the right to own (?) and operate repeaters and remote base stations on VHF/UHF plus limited HF frequency privileges.
ADVANCED+12WPM	As BASIC+12WPM, plus use of homebrew transmitting equipment, maximum legal power, and the right to own (?) and operate repeaters and remote base stations on VHF/UHF plus full HF frequency privileges.

It almost makes sense even here south of the border in the USA.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From 1041522571939567919
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3b40e6e7d7cee24
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-05 04:12:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Sweeping carrier in the HF bands
Message-ID: <30500433@ux1.cso.uiuc.edu>
Date: 5 Mar 90 12:12:54 GMT
References: <3034@radio.oakhill.UUCP>
Lines: 28
Nf-ID: #R:radio.oakhill.UUCP:3034:ux1.cso.uiuc.edu:30500433:000:1108
Nf-From: ux1.cso.uiuc.edu!phil   Mar 5 00:30:00 1990
Posted: Mon Mar 5 13:12:54 1990

> I have noticed (for some time now) a sweeping carrier
> passing through the HF bands. It appears both in the
> amateur HF bands and other HF frequencies as well.
> It sounds just like someone spotting their VFO
> as they spin the VFO dail up or down the band.
> At first I assumed this was someone with bad
> operating practices but after I noticed it on the
> non-ham portions of the HF band I figured it was
> some military station with annoying operating

> practices.

I've heard this many times myself. One time I heard it running across the 20 meter band DOWNWARD and I decided to CHASE IT. It was moving about 20 khz per second, and just suddenly switched off somewhere around 12.7 Mhz.

> I now belive that none of the above explanations
> apply. I think this sweeping carrier is some sort
> of HF propogation sounder. It probably is finding
> the MUF and collecting data relating to HF
> propogation vs. frequency vs. time. If this is
> true how can the FCC license such an obnoixous
> thing?

Potentially under Part 5 rules. Read them.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From 8136513997229637449
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1e4da7503f8f2020
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-05 06:39:29 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!psuvax1!eds1!wa3wbu!john
From: john@wa3wbu.UUCP (John Gayman)
Newsgroups: rec.ham-radio
Subject: Re: IRCI Kenwood newsletter
Summary: march
Message-ID: <593@wa3wbu.UUCP>
Date: 5 Mar 90 14:39:29 GMT
References: <9003040803.AA06755@ucbvax.Berkeley.EDU>
Organization: WA3WBU, Marysville,PA
Lines: 18
Posted: Mon Mar 5 15:39:29 1990

In article <9003040803.AA06755@ucbvax.Berkeley.EDU>, CSMSCST@OAC.UCLA.EDU (Chris Thomas) writes:
> Does anyone else subscribe to International Radio's Kenwood
> newsletter? If so, what is the last issue you have received?
> (The last one I got was nr. 89, Sept/89). Thankx.
>

The last one I received was issue #105 March 1990. Sounds like perhaps your subscription ran out. :-)

John

--

```
John Gayman, WA3WBU              |           UUCP: uunet!wa3wbu!john
1869 Valley Rd.                  |           ARPA: john@wa3wbu.uu.net
Marysville, PA 17053             |           Packet: WA3WBU @ WB3EAH


From -5969387004049883618
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-05 07:29:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!
cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!med.unc.edu!pswecker
From: pswecker@med.unc.edu (Peter St.Wecker)
Newsgroups: rec.ham-radio
Subject: Increasing CW speed
Message-ID: <9003051529.AA05504@pelham.med.unc.edu>
Date: 5 Mar 90 15:29:18 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Mon Mar  5 16:29:18 1990


     Well, I finally passed my 5wpm, and am going to take the novice and
tech. tests (and maybe the general) tonight!
        I'm continuing to work on my code speed towards the magic 13wpm, but
I'd like to get people's opinions on how best to do it.  I'm using the
SuperMorse program on an IBM-PC (it's great), but I'm not sure of the best way
to proceed.  Some people suggest that I start building up from 5 to 7 to 10 to
13, while others seem to suggest starting right away at 13 (or even 20!).
         While different methods propbaly work for differnt people, I'm curious
to see how most of you went about it.
         Thanks!
                   -- Peter
-------------------------------------------------------------------------------
       Peter St.Wecker               Internet:pswecker@med.unc.edu
       (919) 966-1096                    UUCP:pswecker@uncmed.uucp
      Dept. of Physiology, Univ. of North Carolina,  Chapel Hill NC
         If we knew what we were doing, it wouldn't be research


From -388910751760625572
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6213b69e22396592
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-05 08:46:42 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!
helios.ee.lbl.gov!pasteur!ucbvax!mtxinu!unisoft!hoptoad!peora!tsdiag!ocpt!ccop1!
wilson
From: wilson@ccop1.ocpt.ccur.com (<wilsong>)
Newsgroups: rec.ham-radio
Subject: Re: 'Ham' Origins? was (Re: Need old Hammarlund coils)
Message-ID: <292@ccop1.ocpt.ccur.com>
```

Date: 5 Mar 90 16:46:42 GMT
References: <13721.25ED2D28@stjhmc.fidonet.org>
Organization: Concurrent Computer Corp. Oceanport,NJ
Lines: 4
Posted: Mon Mar 5 17:46:42 1990

One theory is that it pre-dates radio where a new, unskilled
landline telegrapher would be described as "ham-fisted".

Gary, WB2BOO

From -6870486711504110488
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,643071f82ec14769,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-05 09:04:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!
cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!HAMSTER.BUSINESS.UWO.CA!Mark
From: Mark@HAMSTER.BUSINESS.UWO.CA ("Mark Bramwell")
Newsgroups: rec.ham-radio
Subject: ts440 and rtty hook-up
Message-ID: <3684@HAMSTER.business.uwo.ca>
Date: 5 Mar 90 17:04:20 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Reply-To: <watmath!ria.ccs.uwo.ca!HAMSTER.business.uwo.ca!Mark@uunet.UU.NET>
Organization: The Internet
Lines: 14
Posted: Mon Mar 5 18:04:20 1990

==

I used the two RCA jacks on the back of the 440. I wired the PTT from pin
13 of the din to the spare RCA. It works ok. I couldn't find a source for
13pin din plugs. I never leave the mic in the radio because I don't like
HF phone. No problems with packet or rtty with this setup. I use the
mic level control to determin output. It varies a bit from phone, but not
alot. I prefer having manual control with the 440.

```
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
Mark Bramwell, VE3PZR                Located in sunny London, Ontario

Internet: mark@hamster.business.uwo.ca  IP Address: 129.100.22.100
  Packet:  VE3PZR @ VE3GYQ               UWO Phone: (519) 661-3714
```

From -4696041631509131493
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9920f09ef70eab68,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-05 11:22:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!prls!
philabs!briar.philips.com!rfc

From: rfc@briar.philips.com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: FT4700 freq expand mod
Message-ID: <84050@philabs.Philips.Com>
Date: 5 Mar 90 19:22:08 GMT
Sender: jam@philabs.Philips.Com
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 55
Posted: Mon Mar 5 20:22:08 1990

copied from packet:
  From: SV0DR@SV1IW
  To: ALL

FT-4700 Frequency expanding modification.
Following example shows programming for 138-174Mhz, and 420-460Mhz.

1. Remove front panel.

2. Locate jumper spots 1,2,5,9,10,13 and short them with solder carefully.
(Other jumper spots must remain as current on the control unit.)

3. Turn power on, and set the display for the lower edge of UHF band
(420.000),u sing up/down buttons, and dial. Then press D/MR button.

4. Set the display to 460.000 and press D/MR. The display shows
47.75(if frequen cy of uhf). Press D/MR, and then uhf coverage is
programmed.

5. Set the display freq. to 138.000 and press D/MR. Then set to
174.000 and pres s D/MR again. the display now shows the VHF if req.
at 17.3. Press D/MR again. Now both band coverages are programmed.

6. After this modification the repeater shift is set to 000mhz, so
it must be set using the F and RPT buttons on both bands. Refer to
page 27 of manual for details.

7. Remember that transmiting outside the amateur bands is prohibited
unless you have a special licence.

>>>
>>>
73s to all and enjoy de Jimmy, SV0DR in Athens,
GREECE.......................
Note: I haven't tried this, proceed at your own risk. WA2ISE
cmd:

BTW: look at the path this file took!
MSG#9 03/04/90 14:35:40 FROM KD6TH TO WA2ISE
SUBJECT: - files\FT4700.MOD
  R: 890606/0816z 30001@KD6TH [Wyckoff, NJ 07481] Metro NY/NJ A:201 Z:07481
  R:900304/1917z 20644@KD6TH [Wyckoff, NJ - 07481] MetroNY/NJ ROSE:201744
    F:145.07

```
  R: 890606/0804z 13927@WB2QJA [White_Plains,NY] (null)
  R: 890606/0728z 13920@WB2QJA [White_Plains,NY] Z:10606 F:221.11
  R:890606/0145z @:WA2UMX Ballston Spa NY #:12053 Z:12020
  R:890603/1212z @:WA2PVV Valatie, N.Y. #:26506 Z:12184
  R:890602/0512r 52425@WB0TAX [Hampton, Va. 23666]
  R:890602/0501z 41901@WA4ONG [Richmond, VA] F:446.05 N:RIC,#RIC2,BRDN Z:23235
  R:890602/0000z 32997@W3IWI  [Balto/Wash MD/DC/VA/DE] Z:21029
  R:890511/0332b @SK0WE (sun1.sk0we.ampr.org SMTP gateway)
  R:890510/2113z 23045@SK0TM  [Stockholm] F:144.675/433.650 MHz
  R:890510/0930z 11415@SM5BKI [Balsta HF/VHF]
  R:890508/2138z @:PA0SCH Schipluiden #:392 Z:JO21DX
  R:890508/1934z 3604@SV1IW  [ATHENS AMEA Net]
```

```
From 5511757211942915008
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,23829b758f98627f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-05 11:23:36 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!
ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Broadband ISDN
Message-ID: <9003051923.AA01672@cmr.ncsl.nist.gov>
Date: 5 Mar 90 19:23:36 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
     formerly National Bureau of Standards
Lines: 9
Posted: Mon Mar  5 20:23:36 1990
```

I note comments from N8DGN and others about ISDN data rates. There ARE
higher rates than 64 kb/s, but probably not to the home. Also I'm being
pulled into something called Broadband-ISDN (B-ISDN), which is more or
less real depending on whom you believe. The goal is 50 megabits per second
at an absolute minimum, and some feel that 600 Mb/s is the minimum that is
interesting. Don't hold your breath for rapid availability in the US.
I'll know a lot more about current state in a couple of weeks when I get
back from the tech meetings in Dallas.
73, Bob W3OTC

```
From 4915845184885473144
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,69482369a48940c7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-05 11:24:30 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!
cs.utexas.edu!jarvis.csri.toronto.edu!utgpu!watserv1!watmath!att!drutx!druhi!tsf
From: tsf@druhi.ATT.COM (FisherTS)
Newsgroups: rec.ham-radio
Subject: VE in Vancouver WA
```

Keywords: FCC exam novice
Message-ID: <4697@druhi.ATT.COM>
Date: 5 Mar 90 19:24:30 GMT
Distribution: rec
Organization: AT&T, Denver, CO
Lines: 4
Posted: Mon Mar 5 20:24:30 1990

I'm looking for a volunteer examiner in or near Vancouver, WA
to give the novice exam. Anyone out there in net-land know of one?

Tom Fisher   N0GOS   att!druhi!tsf (303)-538-4642

From -4819395398001624084
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b0648721ad44f5b9,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f76e2,b0648721ad44f5b9,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-03-05 11:31:18 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!snorkelwacker!think!samsung!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio,rec.ham-radio.swap
Subject: manual for Measurements 210 generator needed
Keywords: Measurements 210
Message-ID: <3047@radio.oakhill.UUCP>
Date: 5 Mar 90 19:31:18 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 5
Xref: gmdzi rec.ham-radio:9977 rec.ham-radio.swap:337
Posted: Mon Mar 5 20:31:18 1990

I am looking for a manual (or informed netters) for a
Measurements 210 Standard FM Signal Generator. Any
repsonses would be appreciated.

-Charlie Thompson WB4HVD

From 287639716131353934
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d3e3fc875f98575
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-05 12:13:30 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!cs.utexas.edu!rice!uw-beaver!ubc-cs!alberta!atha!lyndon
From: lyndon@cs.AthabascaU.CA (Lyndon Nerenberg)
Newsgroups: rec.ham-radio
Subject: Re: Re^2: You ask me to memorize...
Message-ID: <1735@aurora.AthabascaU.CA>
Date: 5 Mar 90 20:13:30 GMT

References: <499@ssc.UUCP> <30500429@ux1.cso.uiuc.edu>
Organization: Athabasca University
Lines: 13
Posted: Mon Mar 5 21:13:30 1990

In article <30500429@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:

>Why is it that the Canadian license was called "digital" when it in fact was
>really a "nocode" license?

The emphasis in the exam was towards digital modes of communication.
Specifically, packet and pulse. Call it what you want, it's still
not a duck :-)
--
Lyndon Nerenberg VE6BBM / Computing Services / Athabasca University
     {alberta,decwrl}!atha!lyndon || lyndon@cs.AthabascaU.CA

                     UREP: Peru in disguise?

From 6750227800078267518
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55104bf68a9b1edb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-05 13:06:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!prls!philabs!briar.philips.com!rfc
From: rfc@briar.philips.com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: FT4700 mod for extended freq coverage
Message-ID: <84054@philabs.Philips.Com>
Date: 5 Mar 90 21:06:18 GMT
Sender: jam@philabs.Philips.Com
Reply-To: sv0dr@sv1iw on packet
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 55
Posted: Mon Mar 5 22:06:18 1990

copied from packet:
  From: SV0DR@SV1IW
  To: ALL

  FT-4700 Frequency expanding modification.
  Following example shows programming for 138-174Mhz, and 420-460Mhz.

  1. Remove front panel.

  2. Locate jumper spots 1,2,5,9,10,13 and short them with solder carefully.
  (Other jumper spots must remain as current on the control unit.)

  3. Turn power on, and set the display for the lower edge of UHF band
  (420.000),u sing up/down buttons, and dial. Then press D/MR button.

4. Set the display to 460.000 and press D/MR. The display shows
47.75(if frequen cy of uhf). Press D/MR, and then uhf coverage is
programmed.

5. Set the display freq. to 138.000 and press D/MR. Then set to
174.000 and pres s D/MR again. the display now shows the VHF if req.
at 17.3. Press D/MR again. Now both band coverages are programmed.

6. After this modification the repeater shift is set to 000mhz, so
it must be set using the F and RPT buttons on both bands. Refer to
page 27 of manual for details.

7. Remember that transmiting outside the amateur bands is prohibited
unless you have a special licence.

```
    >>>
     >>>
     73s to all and enjoy de Jimmy, SV0DR in Athens,
     GREECE......................
Note: I haven't tried this, proceed at your own risk. WA2ISE
     cmd:
-------------------------------------------------------------------
BTW: look at the path this file took!
MSG#9 03/04/90  14:35:40 FROM KD6TH TO WA2ISE
SUBJECT:  - files\FT4700.MOD
  R: 890606/0816z 30001@KD6TH [Wyckoff, NJ 07481] Metro NY/NJ A:201 Z:07481
  R:900304/1917z 20644@KD6TH [Wyckoff, NJ - 07481] MetroNY/NJ ROSE:201744
    F:145.07
  R: 890606/0804z 13927@WB2QJA [White_Plains,NY] (null)
  R: 890606/0728z 13920@WB2QJA [White_Plains,NY] Z:10606 F:221.11
  R:890606/0145z @:WA2UMX Ballston Spa NY #:12053 Z:12020
  R:890603/1212z @:WA2PVV Valatie, N.Y. #:26506 Z:12184
  R:890602/0512r 52425@WB0TAX [Hampton, Va. 23666]
  R:890602/0501z 41901@WA4ONG [Richmond, VA] F:446.05 N:RIC,#RIC2,BRDN Z:23235
  R:890602/0000z 32997@W3IWI  [Balto/Wash MD/DC/VA/DE] Z:21029
  R:890511/0332b @SK0WE (sun1.sk0we.ampr.org SMTP gateway)
  R:890510/2113z 23045@SK0TM  [Stockholm] F:144.675/433.650 MHz
  R:890510/0930z 11415@SM5BKI [Balsta HF/VHF]
  R:890508/2138z @:PA0SCH Schipluiden #:392 Z:JO21DX
  R:890508/1934z 3604@SV1IW  [ATHENS AMEA Net]
```

From -4335782649149406537
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,240aabf9ab757892,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-05 14:13:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!prls!philabs!briar.philips.com!rfc
From: rfc@briar.philips.com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: ft4700 mod file
Message-ID: <84055@philabs.Philips.Com>

Date: 5 Mar 90 22:13:00 GMT
Sender: jam@philabs.Philips.Com
Lines: 56
Posted: Mon Mar 5 23:13:00 1990

copied from packet:
From: SV0DR@SV1IW
To: ALL

FT-4700 Frequency expanding modification.
Following example shows programming for 138-174Mhz, and 420-460Mhz.

1. Remove front panel.

2. Locate jumper spots 1,2,5,9,10,13 and short them with solder carefully.
(Other jumper spots must remain as current on the control unit.)

3. Turn power on, and set the display for the lower edge of UHF band
(420.000),u sing up/down buttons, and dial. Then press D/MR button.

4. Set the display to 460.000 and press D/MR. The display shows
47.75(if frequen cy of uhf). Press D/MR, and then uhf coverage is
programmed.

5. Set the display freq. to 138.000 and press D/MR. Then set to
174.000 and pres s D/MR again. the display now shows the VHF if req.
at 17.3. Press D/MR again. Now both band coverages are programmed.

6. After this modification the repeater shift is set to 000mhz, so
it must be set using the F and RPT buttons on both bands. Refer to
page 27 of manual for details.

7. Remember that transmiting outside the amateur bands is prohibited
unless you have a special licence.

>>>
>>>
73s to all and enjoy de Jimmy, SV0DR in Athens,
GREECE......................
Note: I haven't tried this, proceed at your own risk. WA2ISE
cmd:

BTW: look at the path this file took!

```
MSG#9 03/04/90  14:35:40 FROM KD6TH TO WA2ISE
SUBJECT:  - files\FT4700.MOD
  R: 890606/0816z 30001@KD6TH [Wyckoff, NJ 07481] Metro NY/NJ A:201 Z:07481
  R:900304/1917z 20644@KD6TH [Wyckoff, NJ - 07481] MetroNY/NJ ROSE:201744
    F:145.07
  R: 890606/0804z 13927@WB2QJA [White_Plains,NY] (null)
  R: 890606/0728z 13920@WB2QJA [White_Plains,NY] Z:10606 F:221.11
  R:890606/0145z @:WA2UMX Ballston Spa NY #:12053 Z:12020
  R:890603/1212z @:WA2PVV Valatie, N.Y. #:26506 Z:12184
  R:890602/0512r 52425@WB0TAX [Hampton, Va. 23666]
  R:890602/0501z 41901@WA4ONG [Richmond, VA] F:446.05 N:RIC,#RIC2,BRDN Z:23235
  R:890602/0000z 32997@W3IWI  [Balto/Wash MD/DC/VA/DE] Z:21029
  R:890511/0332b @SK0WE (sun1.sk0we.ampr.org SMTP gateway)
  R:890510/2113z 23045@SK0TM  [Stockholm] F:144.675/433.650 MHz
  R:890510/0930z 11415@SM5BKI [Balsta HF/VHF]
  R:890508/2138z @:PA0SCH Schipluiden #:392 Z:JO21DX
  R:890508/1934z 3604@SV1IW  [ATHENS AMEA Net]
```

From -5674645356949293250
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6d26ee73646105be,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-05 14:43:06 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!rpi!zaphod.mps.ohio-state.edu!usc!apple!netcom!jxh
From: jxh@netcom.UUCP (Jim Hickstein)
Newsgroups: rec.ham-radio
Subject: External ant on walkman?
Keywords: antenna walkman external modification stupid_question
Message-ID: <8462@netcom.UUCP>
Date: 5 Mar 90 22:43:06 GMT
Organization: NetCom- The Bay Area's Public Access Unix System {408 249-0290 guest}
Lines: 47
Posted: Mon Mar 5 23:43:06 1990

Here's a plea to the technical radio people in here:
(By the way, I am studying for my Novice license, code and all, so don't write me off as quickly as usual. Thanks.)
I have one of those little FM-only Sony Walkman devices, and it has problems (no big surprise, there). I want to separate the antenna and audio output functions of the stereo mini jack so I can better receive an FM broadcast station (KITS-FM, San Francisco, 105.300MHz, 13KW @ Mt. San Bruno) from my marginal location (60 miles southeast, in San Jose, in a south-facing office of a Faraday cage). I believe I understand that I need a DC block between an external antenna and the device that will pass >100MHz or so; that's the easy part. Now how do I get the audio part out without weirding-out the front end of the tuner? Oh, yes: and without spending any money. Obviously, I can replace the entire thing for about 15 bucks (although I *still* don't get an antenna input), but I'm doing this for the experience as much as anything. That said, fire away. Am I wasting my time altogether? (With this radio, I mean, not studying code: I can handle that :-)
Should I just go out and *buy* a radio that meets my requirements (low cost FM tuner, stereo, mini-jack audio output, external antenna input)?
Is there one? By all means send me recommendations.

I also have a Sony ICF-2010, but it doesn't have stereo, in this band or any other; SWL doesn't demand it, from a marketing standpoint. *sigh* Is it absolutely out of the question to *modify* it to do stereo? Thought so.

So, here's another chance to set a young'un straight, all you old-timers.

Maybe I can return the favor when you blow up both FATs and the partition
table on your PC (*I'm* the old timer, over there!). (By the way, the
answer to that one is: "When did you last back it up?" Sorry: even
magicians have to work with the materials at hand. :-)

Sorry if my .sig comes out twice: this is the first time I've ever posted
anything, so I made sure.

Neither can his mind be thought to be in tune, whose words do jarre;
nor his reason in frame, whose sentence is preposterous.

Jim Hickstein, Teradyne/Attain, San Jose CA, (408) 434-0822 FAX -0252
...!sun!teraida!jxh%attain [business]
           jxh@netcom.UUCP [personal]
--

Neither can his mind be thought to be in tune, whose words do jarre;
nor his reason in frame, whose sentence is preposterous.

Jim Hickstein, Teradyne/Attain, San Jose CA, (408) 434-0822 FAX -0252
...!sun!teraida!jxh%attain [business]
           jxh@netcom.UUCP [personal]

From -8275277697084035002
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a53bc31479238ae6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-05 15:11:37 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!helios.ee.lbl.gov!
pasteur!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: MFJ quality
Message-ID: <7880129@hpfcdc.HP.COM>
Date: 5 Mar 90 23:11:37 GMT
References: <23047@usc.edu>
Organization: HP Ft. Collins, Co.
Lines: 20
Posted: Tue Mar 6 00:11:37 1990

>> I have the 949C tuner. Now that I've built an amplifier capable of 300W
>> (the 949C's limit), I find that I burn out switch contacts if I use full
>> rated power on it.
>>
>
>Just to make this into a product review :) Are you adjusting these switches
>while the rig is transmitting or are the switches failing just by being in
>in the circuit?

Just by being in the circuit.

I soldered in another rotary switch, and I'm able to drive it to at

least 400W on a bad edge of 80 meters without any arcing on the contacts
or capacitors.

I think the switch is just under-engineered, and could be corrected with
a parts mfgr change. There is quite a bit of current on the lowest L
setting, which is where the switch wiper ate it.

Perry

From 3787661239500295059
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3d9c041d6e27e2d6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-05 15:36:19 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!brutus.cs.uiuc.edu!zaphod.mps.ohio-state.edu!swrinde!ucsd!helios.ee.lbl.gov!pasteur!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Measurement of Harmonics
Message-ID: <7880130@hpfcdc.HP.COM>
Date: 5 Mar 90 23:36:19 GMT
References: <2619@wyse.wyse.com>
Organization: HP Ft. Collins, Co.
Lines: 17
Posted: Tue Mar 6 00:36:19 1990

I'm in the process of building a legal-limit multi-band HF amplifier.
There is an FCC-imposed limit on harmonic content (50 dB ?), but this
can be hard to accurately measure without a REAL(tm) spectrum analyzer.

Could a rudimentary "spectrum analyzer" be rigged up using resonant
circuits tuned to each harmonic, then sampling the RF voltage ? Or
would the non-linearity make this approach unlikely to succeed ?

The approach of having a buddy listen to your harmonics is not a true
measurement, since an antenna could radiate harmonics more or less
efficiently than the fundamental.

Maybe what I am asking is how to make a spectrum analyzer out of bits
of wire and canning jars. Can't be done, right ?

Perry Scott
KF0CA

From -6649670204869689058
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,71ccba4c84034456
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-05 16:07:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!apple!rutgers!netnews.upenn.edu!eniac.seas.upenn.edu!depolo

From: depolo@eniac.seas.upenn.edu (Jeff DePolo-N3HBZ)
Newsgroups: rec.ham-radio
Subject: Bad operators and dangerous DXing
Summary: RFI and neighbors with guns - an unpleasant combination
Keywords: contests RFI guns
Message-ID: <21316@netnews.upenn.edu>
Date: 6 Mar 90 00:07:11 GMT
References: <9003021656.AA29819@ucbvax.Berkeley.EDU> <656@west.West.Sun.COM>
Sender: news@netnews.upenn.edu
Reply-To: depolo@eniac.seas.upenn.edu.UUCP (Jeff DePolo-N3HBZ)
Organization: University of Pennsylvania Amateur Radio Club
Lines: 53
Posted: Tue Mar 6 01:07:11 1990

(Michael Harpe) writes:

>
>I called him one day to pick up V31 as a prefix and asked him to repeat his
>call when he answered since he was kinda weak to me. He refused, said no
>contact and launched into a big spiel about running "a tight ship" there.

I've worked V31BB on 10m before. Our QSO was very short, as if he were working a contest, but to the best of my knowledge, there was no contest. As I understand it, Jim (V31BB) worked the ARRL DX contest this past weekend with the V31B contest team.

Speaking of poor contest operators, I had the unpleasent experience of hearing a guy (don't remember the call) this past weekend during the contest. I read the mail for about 5 contacts, during which he never said his call. After the fifth, the guy at our station who was operating at the time stuck in our call sign when he QRZ'd, and he came back to us with "59 kilo". Tom, the guy who was operating, gave him his report and then asked for his call again. He said "If you don't have my call, I don't want to work you. QRZ?" Annoyed at this, Tom gave him about 30 second's worth of "I've seen some really rude operators but you take the cake, pal" sort of ramblings. The thing that really annoyed me is that if the DX guy was such a good operator, he should be giving his call on each contact. The contest rules state that the excange is BOTH station's call signs, sig report, and power or state, depending on which side of the contact you're on. Theoretically, the guy's log contains only about 10% legitimate contacts. Everybody could save time and hence work more contacts by only giving a call sign on one out of every 10 contacts, but some of us play by the rules. To decline a request for a callsign repeat is not only breaking the rules, but just plain rude, obnoxious, and shows what a poor operator you are.

Other contest highlight: we had a neighbor come to the shack complaining of RFI to her VCR. Nothing too unusual about that. However, the thing that made the incident stand out is that she was carrying a loaded rifle, had it pointed at my chest from four feet away, threatened to shoot up the station, and threatened to kill us unless we went off the air. There is a long story involved, but it all boils down to this: we weren't causing the RFI, we continued working the contest, and she got arrested for trespassing, assault with a deadly weapon, and wreckless endangerment. Women...

The moral of this story: Everybody's out for blood during a contest.

--- Jeff

```
+-----------------------+-----------------------------------------------------+
|  Jeff DePolo - N3HBZ  | Internet: depolo@eniac.seas.upenn.edu               |
| Univ. of Pennsylvania | RF: 146.685- 224.40- 442.70+ 144.455s (Philadelpia) |
| Computer Science Eng. | Twisted pair: (215) 243-8125 home                   |
|     Class of 1991     | Carrier pigeon: 3901 Spruce St Box 850 Philly 19104 |
+-----------------------+-----------------------------------------------------+
```

From 5789408038242144031
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bd285ce61b78bbb4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-05 17:41:56 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: IC-02AT continuous xmit OK?
Message-ID: <30500434@ux1.cso.uiuc.edu>
Date: 6 Mar 90 01:41:56 GMT
References: <4256@maslow.ptolemy.arc.nasa.gov>
Lines: 7
Nf-ID: #R:maslow.ptolemy.arc.nasa.gov:4256:ux1.cso.uiuc.edu:30500434:000:125
Nf-From: ux1.cso.uiuc.edu!phil   Mar 5 19:10:00 1990
Posted: Tue Mar 6 02:41:56 1990

Add some challenge to the T-hunt *AND* save your HT:

use LOW power

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From -5205007458756897504
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15cfc81fad31a946
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-05 18:28:37 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp!ceres!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!asuvax!stjhmc!f1.n234.z1.fidonet.org!Jim.Grubs
From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Broadcasting Video from RC Plane
Message-ID: <14019.25F32DAA@stjhmc.fidonet.org>

Date: 6 Mar 90 02:28:37 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 26
Posted: Tue Mar 6 03:28:37 1990

> From: alan@km4ba.UUCP (Alan Barrow)

> Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs) writes:
>
> stuff deleted...
>
> >NTSC video for spotting fish? I doubt that's the best solution to the
> problem
> >anyway.
>
> >73 de Jim Grubs, W8GRT
>
> Compared to looking out the scratched, yellow and crazed windows of an
> ancient Cessna 150 doing a 45 deg. bank, it is a pretty good , cost
> effective
> solution.

I didn't mean the RC airplane part, I meant the NTSC video part. Is broadcast quality really necessary or would something more modest (and cheaper) suffice?

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

From -6145765219391502236
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3b40e6e7d7cee24
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,d3b40e6e7d7cee24
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-03-05 19:47:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!rutgers!orstcs!guille.ECE.ORST.EDU!liud
From: liud@guille.ECE.ORST.EDU (Don Liu)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Sweeping carrier in the HF bands
Message-ID: <16508@orstcs.CS.ORST.EDU>
Date: 6 Mar 90 03:47:10 GMT
References: <3034@radio.oakhill.UUCP>
Sender: usenet@orstcs.CS.ORST.EDU
Reply-To: liud@guille.ECE.ORST.EDU.ECE.ORST.EDU (Don Liu)
Organization: Oregon State University, E&CE, Corvallis
Lines: 25

Xref: gmdzi rec.ham-radio:9993 rec.radio.shortwave:653
Posted: Tue Mar 6 04:47:10 1990

In article <3034@radio.oakhill.UUCP> charlie@oakhill.UUCP (Charlie Thompson) writes:
>I have noticed (for some time now) a sweeping carrier
>passing through the HF bands. It appears both in the
>amateur HF bands and other HF frequencies as well.

>Anybody have any explanations?
>Thanks in advance,

These are the SPREAD SPECTRUM communication signals. There are usually two modulating signals. One is the useful signal which modulates the carrier (HF) in one of the common method. The frequency deviation caused by the useful signal (like data, audio, etc) is very small.

The other modulation is much greater and results in a widely spread frequency spectrum. It is the format of this modulation that characterize the communication. There are several advantages of the spread spectrum. The "spreading" format is unique for each station, and only the authorized recevers know the format. Therefore the S.S. is very secure. Secondly, since the energy is so weak (in everage sense) in a 10 KC window (that of a radio), the signal can hardly be noticed (unless slow formats are used).

Most US spied use S.S., by the way.

From 4191790177849003454
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,97b358ace283aa4,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-05 19:56:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!ucdavis!csusac!mmsac!jim
From: jim@mmsac.UUCP (Jim Lips Earl)
Newsgroups: rec.ham-radio
Subject: Looking for person looking for me!
Message-ID: <5334@mmsac.UUCP>
Date: 6 Mar 90 03:56:21 GMT
Lines: 11
Posted: Tue Mar 6 04:56:21 1990

I recently saw a message saying that someone was looking for me on this newsgroup. Well, here I am. If you can't get mail to me, you can try calling me voice at (916) 381-4052. Leave a msg on the machine if no one answers. Sorry it took so long for me to get back to you, but my "node" (mmsac) was down for a while. But it's back now! 73.
--

```
      Jim "Lips" Earl             UUCP: ucbvax!ucdavis!csusac!mmsac!jim
          KB6KCP             INTERNET: mmsac!jim@csusac.csus.edu
   =======================================================================
                 The opinions stated herein are all mine.
```

From -853502287168697769
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,71ccba4c84034456
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-05 20:38:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio
Subject: Re: Bad operators and dangerous DXing
Keywords: contests RFI guns
Message-ID: <39223@apple.Apple.COM>
Date: 6 Mar 90 04:38:20 GMT
References: <9003021656.AA29819@ucbvax.Berkeley.EDU> <656@west.West.Sun.COM> <21316@netnews.upenn.edu>
Organization: Apple Computer Inc, Cupertino, CA
Lines: 27
Posted: Tue Mar 6 05:38:20 1990

In article <21316@netnews.upenn.edu> depolo@eniac.seas.upenn.edu.UUCP (Jeff DePolo-N3HBZ) writes:
>Speaking of poor contest operators, I had the unpleasent experience of hearing
>a guy (don't remember the call) this past weekend during the contest. I
>read the mail for about 5 contacts, during which he never said his call.

I heard 'way too many stations doing that this weekend. Whether it's breaking the rules or not, you're sure right that it's rude and inconsiderate. And, I maintain, wasteful to everyone concerned. I'd really like to know whether these stations have a higher dupe ratio because people go ahead and work them without waiting to find out who they are.

>Other contest highlight: we had a neighbor come to the shack complaining
>of RFI to her VCR.
>we continued working the contest, and she got arrested for trespassing,
>assault with a deadly weapon, and wreckless endangerment. Women...

Right. I've certainly never heard of any incidents where male neighbors got overwrought about RFI. Uh huh. :-)

Patty

```
--
*****************************************************************************
Patty Winter N6BIS                          INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                       UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From 865126464615284467
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,346f1bff90975e86,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-06 04:18:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: NPRM 90-55 - No test code priviledg
Message-ID: <30500435@ux1.cso.uiuc.edu>
Date: 6 Mar 90 12:18:27 GMT
References: <526@ssc.UUCP>
Lines: 10
Nf-ID: #R:ssc.UUCP:526:ux1.cso.uiuc.edu:30500435:000:321
Nf-From: ux1.cso.uiuc.edu!phil   Mar 6 02:03:00 1990
Posted: Tue Mar 6 13:18:27 1990

Most of us "no-coders" are sticking to the International regulations
that access to HF requires Morse code.

Can't communicators get their Morse code practice from tapes and on 2 meters?
uh... well maybe 220 Mhz?   Maybe the OF's won't go up there and help them.
Too bad.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From -5385799765215592909
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,52952e31afde59cb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-06 05:23:20 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!apple!agate!ucbvax!CARLETON.CA!MKELLY
From: MKELLY@CARLETON.CA
Newsgroups: rec.ham-radio
Subject: PHOENIX FORMULA ONE MOTOR RACE RADIO INFO REQUEST
Message-ID: <900306.08361913.066510@ADMIN.CP6>
Date: 6 Mar 90 13:23:20 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Tue Mar 6 14:23:20 1990

As part of my preparation for attendance at the Canadian
grand prix this summer, I am once again looking for any
information regarding radio usage at the United States
grand prix motor race taking place in Phoenix this weekend.

If you are in Phoenix this weekend, and have a scanner, please have a listen, and note the frequencies any of the teams are heard to be using. It would also be helpfull to know which teams are scrambling their communications, and which method they are using (digital, band inversion, etc.) If someone could relay this message to other related boards, I would appreciate it, as I only have access to "INFO-HAMS" here. Thanks all 73
mike kelly VE3FFK Department of Electronics, Carleton University,
Colonel By Drive, Ottawa Ont., K1S 5B6

From 7100313181928014041
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8fde4425fdf42dab,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-06 05:46:38 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!apple!agate!ucbvax!cmr.ncsl.nist.gov!rc
From: rc@cmr.ncsl.nist.gov (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Sun-noise Newspaper Notice
Message-ID: <9003061346.AA03305@cmr.ncsl.nist.gov>
Date: 6 Mar 90 13:46:38 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology
formerly National Bureau of Standards
Lines: 18
Posted: Tue Mar 6 14:46:38 1990

Advertisement from "The Frederick Post", Frederick, MD, March 6

ATTENTION
FREDERICK CABLEVISION SUBSCRIBERS

>From March 1st through March 9th 1990, SUN OUTAGES will affect all satellite-delivered channels. The satellites move into a direct line between the sun and the earth and the sun's rays overpower the satellite signal. We receive signals from 4 satellites, so time and duration of the outages will vary. They can last from a few seconds to 15 minutes and will occur approximately between 4:20 and 4:40 p.m. for most satellite services. Some will also be affected between 12:40 and 1:40 p.m.

****

My question: do many cable systems bother to place notices like this? BTW, the newspaper owns the cable system.
Bob W3OTC

From 3906149843794177739
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6d26ee73646105be
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-03-06 06:28:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!
helios.ee.lbl.gov!pasteur!ucbvax!mtxinu!unisoft!hoptoad!peora!tsdiag!davet
From: davet@tsdiag.ccur.com (Dave Tiller N2KAU)
Newsgroups: rec.ham-radio
Subject: Re: External ant on walkman?
Keywords: antenna walkman external modification stupid_question
Message-ID: <746@tsdiag.ccur.com>
Date: 6 Mar 90 14:28:11 GMT
References: <8462@netcom.UUCP>
Reply-To: davet@tsdiag.UUCP (Dave Tiller N2KAU)
Organization: CONCURRENT,Engineering Services,Oceanport NJ
Lines: 40
Posted: Tue Mar 6 15:28:11 1990

In article <8462@netcom.UUCP> jxh@netcom.UUCP (Jim Hickstein) writes:
[Stuff deleted]
>I want to separate the antenna and audio output
>functions of the stereo mini jack so I can better receive an FM broadcast
>station
[stuff deleted]
>Neither can his mind be thought to be in tune, whose words do jarre;
>nor his reason in frame, whose sentence is preposterous.
>---
>Jim Hickstein, Teradyne/Attain, San Jose CA, (408) 434-0822 FAX -0252
>...!sun!teraida!jxh%attain [business]
>   jxh@netcom.UUCP [personal]

Here's something that may help - get a couple of 0.001-0.01 uF capacitors and
try some of the following:

1) attach a long piece of wire to one side of a capacitor, and connect the other cap lead to one of the 3 leads of the headphone jack. One or more of these should provide a noticable increase in signal strength. If not, try 2) below.

2) Using the other cap along with the one from 1), rig up a small dipole for use at the freq of your station (you said you were studying for your novice exam - good practice, huh? :-)) and connect it across two of the headphone leads until you get better reception. It may take a few tries.

```
             |
         |
         ---------||--> to phone lead
crude dipole->  ---------||--> to phone lead
         |        ^-----Capacitors
         |
```

This'll let the RF in, but keep the audio in/out.
If this doesn't work, please send me E-mail and we'll discuss it.
PS - good luck on your exam! I got my Tech. ticket in Oct and have had a ball.
--
David E. Tiller   davet@tsdiag.ccur.com | Concurrent Computer Corp.
FAX: 201-870-5952   Ph: (201) 870-4119 (w) | 2 Crescent Place, M/S 117

```
UUCP: ucbvax!rutgers!petsd!tsdiag!davet        | Oceanport NJ, 07757
ICBM: 40 16' 45" N      73 59' 00" W           | N2KAU @ NN2Z
```

```
From -7396660594295200811
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f8aaef0327ac869f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-06 06:28:54 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!apple!agate!ucbvax!es.UUCP!
Jay_Appell_office
From: Jay_Appell_office@es.UUCP
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <9003060928.23260604E8CD@es.office>
Date: 6 Mar 90 14:28:54 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Tue Mar  6 15:28:54 1990
```

Would someone share the types of information contained within the
Kenwood newsletter and the particulars where it can be ordered.

Thanks...Jay (KA1SNA)

```
From 230312129227356876
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ec231aa207df393a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-06 06:58:38 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!zaphod.mps.ohio-state.edu!mips!prls!
philabs!popeye!rfc
From: rfc@popeye.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: ft4700 mods
Message-ID: <84088@philabs.Philips.Com>
Date: 6 Mar 90 14:58:38 GMT
Sender: jam@philabs.Philips.Com
Lines: 56
Posted: Tue Mar  6 15:58:38 1990
```

copied from packet:
  From: SV0DR@SV1IW
  To: ALL

  FT-4700 Frequency expanding modification.
  Following example shows programming for 138-174Mhz, and 420-460Mhz.

  1. Remove front panel.

2. Locate jumper spots 1,2,5,9,10,13 and short them with solder carefully. (Other jumper spots must remain as current on the control unit.)

3. Turn power on, and set the display for the lower edge of UHF band (420.000),u sing up/down buttons, and dial. Then press D/MR button.

4. Set the display to 460.000 and press D/MR. The display shows 47.75(if frequen cy of uhf). Press D/MR, and then uhf coverage is programmed.

5. Set the display freq. to 138.000 and press D/MR. Then set to 174.000 and pres s D/MR again. the display now shows the VHF if req. at 17.3. Press D/MR again. Now both band coverages are programmed.

6. After this modification the repeater shift is set to 000mhz, so it must be set using the F and RPT buttons on both bands. Refer to page 27 of manual for details.

7. Remember that transmiting outside the amateur bands is prohibited unless you have a special licence.

```
    >>>
     >>>
     73s to all and enjoy de Jimmy, SV0DR in Athens,
     GREECE......................
Note: I haven't tried this, proceed at your own risk. WA2ISE
     cmd:
-------------------------------------------------------------------
BTW: look at the path this file took!
MSG#9 03/04/90  14:35:40 FROM KD6TH TO WA2ISE
SUBJECT:  - files\FT4700.MOD
  R: 890606/0816z 30001@KD6TH [Wyckoff, NJ 07481] Metro NY/NJ A:201 Z:07481
  R:900304/1917z 20644@KD6TH [Wyckoff, NJ - 07481] MetroNY/NJ ROSE:201744
    F:145.07
  R: 890606/0804z 13927@WB2QJA [White_Plains,NY] (null)
  R: 890606/0728z 13920@WB2QJA [White_Plains,NY] Z:10606 F:221.11
  R:890606/0145z @:WA2UMX Ballston Spa NY #:12053 Z:12020
  R:890603/1212z @:WA2PVV Valatie, N.Y. #:26506 Z:12184
  R:890602/0512r 52425@WB0TAX [Hampton, Va. 23666]
  R:890602/0501z 41901@WA4ONG [Richmond, VA] F:446.05 N:RIC,#RIC2,BRDN Z:23235
  R:890602/0000z 32997@W3IWI  [Balto/Wash MD/DC/VA/DE] Z:21029
  R:890511/0332b @SK0WE (sun1.sk0we.ampr.org SMTP gateway)
  R:890510/2113z 23045@SK0TM  [Stockholm] F:144.675/433.650 MHz
  R:890510/0930z 11415@SM5BKI [Balsta HF/VHF]
  R:890508/2138z @:PA0SCH Schipluiden #:392 Z:JO21DX
  R:890508/1934z 3604@SV1IW  [ATHENS AMEA Net]


From 7488303774099908829
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3b40e6e7d7cee24
X-Google-Attributes: gid10c9e3,public
```

X-Google-Thread: 114aac,d3b40e6e7d7cee24
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-03-06 07:20:10 PST
Path: gmdzi!unido!mcsun!uunet!mitel!sce!cognos!dgbt!barry
From: barry@dgbt.uucp (Barry McLarnon DGBT/DIP)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Sweeping carrier in the HF bands
Message-ID: <1368@dgbt.uucp>
Date: 6 Mar 90 15:20:10 GMT
References: <3034@radio.oakhill.UUCP>
Organization: CRC, Ottawa CANADA
Lines: 39
Xref: gmdzi rec.ham-radio:10152 rec.radio.shortwave:682
Posted: Tue Mar 6 16:20:10 1990

From article <3034@radio.oakhill.UUCP>, by charlie@oakhill.UUCP (Charlie Thompson):
> I have noticed (for some time now) a sweeping carrier
> passing through the HF bands. It appears both in the
> amateur HF bands and other HF frequencies as well.
> It sounds just like someone spotting their VFO
> as they spin the VFO dail up or down the band.
> At first I assumed this was someone with bad
> operating practices but after I noticed it on the
> non-ham portions of the HF band I figured it was
> some military station with annoying operating
> practices.
>
> I now belive that none of the above explanations
> apply. I think this sweeping carrier is some sort
> of HF propogation sounder. It probably is finding
> the MUF and collecting data relating to HF
> propogation vs. frequency vs. time. If this is
> true how can the FCC license such an obnoixous
> thing?

Right you are. This annoying QRM emanates from a device known as a "chirpsounder", manufactured by an outfit called BR Communications (there may be other sources, but I haven't heard of any). The U.S. military (and Canada, amongst other countries) has a fairly extensive network of these things to support their HF links. Their gratuitous use of spectrum assigned to other services is, no doubt, justified on the basis of National Security. Funny thing though... I would have thought that this justification would only apply in times of National Emergency. Oh well. The next time you get jolted out of your chair by that carrier sweeping through your headphones, try and remember that it's all for the cause of peace 'n freedom, etc. :-)

> C. Thompson WB4HVD

Barry VE3JF

--
Barry McLarnon   Communications Research Center   Ottawa, ON   Canada

Internet: barry@dgbt.crc.dnd.ca   UUCP: ...utzoo!dciem!nrcaer!dgbt!barry
CI$: 71470,3651   PBBS: VE3JF@VE3JF   AMPRnet: barry@bbs.ve3jf [44.135.96.6]

From 498743127436595067
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,71ccba4c84034456
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-06 07:25:37 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!cs.utexas.edu!ut-emx!trey
From: trey@ut-emx.UUCP (Trey Garlough)
Newsgroups: rec.ham-radio
Subject: Re: Bad operators and dangerous DXing
Keywords: contests RFI guns
Message-ID: <25612@ut-emx.UUCP>
Date: 6 Mar 90 15:25:37 GMT
References: <9003021656.AA29819@ucbvax.Berkeley.EDU> <656@west.West.Sun.COM> <21316@netnews.upenn.edu>
Organization: The University of Texas at Austin, Austin, Texas
Lines: 12
Posted: Tue Mar 6 16:25:37 1990

In article <21316@netnews.upenn.edu>, depolo@eniac.seas.upenn.edu (Jeff DePolo-N3HBZ) writes:

> Other contest highlight: we had a neighbor come to the shack complaining
> of RFI to her VCR. Nothing too unusual about that. However, the thing
> that made the incident stand out is that she was carrying a loaded rifle,
> had it pointed at my chest from four feet away, threatened to shoot up the
> station, and threatened to kill us unless we went off the air.

I *hate* it when that happens. :-)

Trey Garlough
Computation Center, University of Texas, Austin, Texas 78712
trey@emx.CC.UTEXAS.EDU (internet) (512-471-3241)

From 2969413351066888438
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bd285ce61b78bbb4
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-06 07:58:31 PST
Path: gmdzi!unido!mcsun!uunet!samsung!rex!rouge!pc.usl.edu!jpd
From: jpd@pc.usl.edu (DugalJP)
Newsgroups: rec.ham-radio
Subject: Re: IC-02AT continuous xmit OK?
Message-ID: <4894@rouge.usl.edu>
Date: 6 Mar 90 15:58:31 GMT
References: <4256@maslow.ptolemy.arc.nasa.gov> <30500434@ux1.cso.uiuc.edu>
Sender: anon@rouge.usl.edu
Organization: Univ. of Southwestern La., Lafayette
Lines: 13

Posted: Tue Mar 6 16:58:31 1990

>Add some challenge to the T-hunt *AND* save your HT:
>
>   use LOW power

Why not transmit less than 100% of the time? A 555 timer IC driving PTT would be ideal. It might even fit on an IDer board.

73 de N5KNX

--

```
-- James Dugal,    N5KNX         Internet: jpd@usl.edu
Associate Director     Ham packet: n5knx@w5ddl
Computing Center       US Mail: PO Box 42770  Lafayette, LA  70504
University of Southwestern LA.   Tel. 318-231-6417  U.S.A.
```

From 6956907445981811636
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,71ccba4c84034456
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-06 08:05:58 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uwm.edu!cs.utexas.edu!mailrus!iuvax!silver!barkeyp
From: barkeyp@silver.ucs.indiana.edu (patrick barkey)
Newsgroups: rec.ham-radio
Subject: Re: Bad operators and dangerous DXing
Keywords: contests RFI guns
Message-ID: <38003@iuvax.cs.indiana.edu>
Date: 6 Mar 90 16:05:58 GMT
References: <9003021656.AA29819@ucbvax.Berkeley.EDU> <656@west.West.Sun.COM> <21316@netnews.upenn.edu> <39223@apple.Apple.COM>
Sender: root@iuvax.cs.indiana.edu
Reply-To: barkeyp@silver.ucs.indiana.edu (patrick barkey)
Organization: Indiana University, Bloomington
Lines: 18
Posted: Tue Mar 6 17:05:58 1990

The failure of DX stations to identify is something that really frustrates me. I think people learn to operate by imitating people they hear, and unless we can get them to change, the chances for seeing improved practices are bleak.

I feel that the main reason DX stations don't identify is that they are afraid of big pileups, and they think that giving their callsign out frequently leads to this. What they don't realize, however, is that failure to identify means getting worked over and over by the same "big" stations, each of whom do not have the time to sit and wait for the DX guy to ID.

In other words, if you give you callsign after every QSO, your pileup could actually be smaller, because the guys who have already worked you will simply move on.

```
   -- Pat Barkey
      WA8YVR
```

```
From 3247766911929928701
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e25e7d5bbd79813d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-06 08:30:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!
cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!ibma.nerc-wallingford.ac.UK!PJML
From: PJML@ibma.nerc-wallingford.ac.UK ("Pete Lucas, NCS-TLC, Swindon U.K.")
Newsgroups: rec.ham-radio
Subject: Sweepers and Creepers - what are they?
Message-ID: <06.Mar.90.16:33:19.GMT.#5448@UK.AC.NWL.IA>
Date: 6 Mar 90 16:30:46 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 36
Posted: Tue Mar  6 17:30:46 1990
```

Charlie Thompson asks::

```
>
>Subject: Sweeping carrier in the HF bands
>Message-ID: <3034@radio.oakhill.UUCP>
>
>I have noticed (for some time now) a sweeping carrier
>passing through the HF bands.  It appears both in the
>amateur HF bands and other HF frequencies as well.
>It sounds just like someone spotting their VFO
......(text deleted)...
>Anybody have any explanations?
>Thanks in advance,
>C. Thompson WB4HVD
```

I have heard a few of these sweepers. They tend to occupy 10 and 20 meters. Often they have nasty notes (raw AC with hum). Certainly some of them are industrial processes. There are two 'Industrial' frequencies around 13.56 and 27.12MHz for these things. They are diathermy machines, RF-heaters, driers, plastic-welding machines etc. Usually a tuned power-oscillator, AC on the anodes seems to be commonplace. Powers in the tens of kilowatts range are not unusual. They are often coupled to the workpiece with lossy unscreened cables, and drift with changing load capacitance. It obviously doesnt take much imagination to see one of these things drifting into the 10 or 20 meter bands....! When you have 10Kw to play with you do not need an efficient antenna. Add in radiation back down the power lines, from the cooling pipes (they often have water-cooled anodes on the TX tubes - how do you put a choke in a water-pipe??) and undoubtedly more than a whiff of the RF gets out. That is what we hear as 'sweepers'.
When the bands are open, these things can cover enormous distances!

Another popular frequency for medical diathermy sets (used for localised heating/cauterising in hospitals) is around 48MHz. These could easily cause QRM to 50MHz.

///Pete   G6WBJ

From 1600319078595312578
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,70600e0bd77f6252,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-06 08:55:09 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!dvinci!weyr!katz
From: katz@weyr.FIDONET.ORG (sylvan katz)
Newsgroups: rec.ham-radio
Subject: Keyer Board for IBM PC
Message-ID: <575.25F3FB7E@weyr.FIDONET.ORG>
Date: 6 Mar 90 16:55:09 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 10
Posted: Tue Mar 6 17:55:09 1990

I am looking for a keyer board for an IBM PC. Does anyone have any suggestions and supplier info. What I want is a piece of software that uses one of the communications ports for paddle input and xcvr output with software that provides all the keyer functions. I asked this question a few weeks ago and got one answer -- unfortunately the sender didn't provide supplier information. You asssitance with this matter is appreciated.
73's de Syl VE5ZX

--

```
Sylvan Katz        Ham: VE5ZX
203 Ball Crescent  UUCP: alberta!dvinci!weyr!Sylvan.Katz
Saskatoon, Sask         Internet: Sylvan.Katz@weyr.FIDONET.ORG
Canada S7K 6E1          Ham bands: below 14.025/21.025/28.025 @ 0100-0300Z
(306) 934-3168
```

From -4055012185123636763
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e36cb911097f705b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,e36cb911097f705b,start
X-Google-Attributes: gid114aac,public
X-Google-Thread: 100be6,e36cb911097f705b,start
X-Google-Attributes: gid100be6,public
X-Google-Thread: 1138b4,e36cb911097f705b,start
X-Google-Attributes: gid1138b4,public
X-Google-Thread: f9437,e36cb911097f705b,start
X-Google-Attributes: gidf9437,public
X-Google-Thread: 102cb0,e36cb911097f705b,start
X-Google-Attributes: gid102cb0,public

X-Google-Thread: 105a93,e36cb911097f705b,start
X-Google-Attributes: gid105a93,public
X-Google-ArrivalTime: 1990-03-06 10:05:12 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!usc!apple!bionet!turbo.bio.net!gatech.edu
From: dsrekrg%prism@gatech.edu (Rob Gibson)
Newsgroups:
news.announce.newgroups,news.groups,rec.music.misc,rec.arts.misc,soc.college,rec.radio.shortwave,rec.ham-radio
Subject: 2nd CALL FOR VOTE: rec.radio.noncomm
Keywords: noncommercial radio
Message-ID: <6717@hydra.gatech.EDU>
Date: 6 Mar 90 18:05:12 GMT
Sender: lear@turbo.bio.net
Reply-To: dsrekrg%prism@gatech.edu (Rob Gibson)
Followup-To: poster
Organization: Georgia Institute of Technology
Lines: 137
Approved: lear@turbo.bio.net
Xref: gmdzi news.announce.newgroups:331 news.groups:16367 rec.music.misc:23513 rec.arts.misc:61 soc.college:104 rec.radio.shortwave:667 rec.ham-radio:10065
Posted: Tue Mar 6 19:05:12 1990

This is the second CALL FOR VOTES for the creation of a new newsgroup to provide a forum for the discussion of noncommercial radio among broadcasters and listeners.

Vote by replying to this article. Votes must be clearly stated
as for or against rec.radio.noncomm as described in this article.
People who have voted so far are listed at the end of this article.
Please check this list if you have already voted.
Votes will be accepted until March 13, 1990.

NAME: rec.radio.noncomm
CHARTER: unmoderated discussion of noncommercial radio.
Some topics to discuss are:
- listener opinion
- noncommercial AM/FM radio of the college, community, and NPR variety
- carrier current and cable based radio
- do trade journals manipulate or aid?
- upcoming conventions such as the Nat'l Assoc. of Broadcasters/BEA meeting in Atlanta and the Intercollegiate Broadcasters Society in NY
- the newly released "Public Radio in the 1990s" report by The Public Radio Expansion Task Force
- the FCC and its regulations
- obtaining and managing non-commercial grants
- programming sources

Rob Gibson, General Manager, WREK 91.1 MHz
Georgia Tech, Atlanta Georgia, 30332   404/894-2468
uucp: ...!{allegra,amd,hplabs,seismo,ut-ngp}!gatech!prism!dsrekrg
ARPA: dsrekrg@prism.gatech.edu

I have received votes from the following people:

"ALPHER, RALPH" <alpherr@gar.union.edu>
"C. Dennison" <C.Dennison%newcastle.ac.uk@NSFnet-Relay.AC.UK>
"Eli Messinger" <EBM@IBM.COM>
"Mark J.H. Cox" <mjhc8%eleceng.bradford.ac.uk@NSFnet-Relay.AC.UK>
"N. Miller, Trinity College" <NMILLER@vax1.trincoll.edu>
"Phil Gross" <philbo@chaos.cs.brandeis.edu>
"ROBERT STEWART" <stewart@arlvs1.arlut.utexas.edu>
"Randall Atkinson" <randall@uvaarpa.Virginia.EDU>
"Robert J. Drabek" <robert@cs.arizona.edu>
"Steve Huff, U. of Kansas, Lawrence" <HUFF@kuhub.cc.ukans.edu>
"U.K.C.Radio" <ukcr%ukc.ac.uk@NSFnet-Relay.AC.UK>
"William K. McFadden" <bill@videovax.tv.tek.com>
"jill holly hansen" <jill@tank.uchicago.edu>
Andrew Boardman <amb@cs.columbia.edu>
Boris "quartermaster" Goldowsky <boris@prodigal.psych.rochester.edu>
Brian.May@ditmela.cng.dit.CSIRO.AU
Charleen Bunjiovianna <charleen@ads.com>
Don Bork <cs4i03ab@maccs.dcss.mcmaster.ca>
FRN@PSUVM.PSU.EDU
Jeffrey Hsu <hsu@unisoft.com>
Jim Roche <roche@cs.rochester.edu>
Kevin Long <klong@pauling.bcm.tmc.edu>
MTARR@EAGLE.WESLEYAN.EDU
Margaret Puckette <mpucket@jacobs.CS.ORST.EDU>
Mark_Otto@mts.rpi.edu
Matthew Freedman <mattf@u.washington.edu>
Metafont Consultant Account <xanthian@ads.com>
Michael Trogni <mike@pasteur.cvm.uiuc.edu>
Mike Weavind <mjw189%ecs.southampton.ac.uk@NSFnet-Relay.AC.UK>
Paul Jaggard <pmj@CS.WARWICK.AC.UK>
Rich Kulawiec <rsk@boulder.Colorado.EDU>
Stan Barber <sob@tmc.edu>
Steve <Waltman.Henr@Xerox.COM>
Steve Kaminski <kaminski@SCL.CWRU.Edu>
Stuart Troutman <stuart@apollo.com>
System News Administrator <newsadm@pioneer.arc.nasa.gov>
Terry J. Wood <tjw@unix.cis.pitt.edu>
Tim Shepard <shep@PTT.LCS.MIT.EDU>
Tim Wicinski <wicinski%bill-n-ted.esd@sgi.com>
William Tsun-Yuk Hsu <hsu@uicsrd.csrd.uiuc.edu>
Yary Richard Phillip Hluchan <yh0a+@andrew.cmu.edu>
alexsy@gldoa.enet.dec.com
ames!amdahl!ames!ntmtv!shea@gatech (Ray Shea)
ames!amdahl!ames!ntmtv!shea@gatech (Ray Shea)
an12370@cancer.utexas.edu (David C. Tuttle)
bandy@mica.berkeley.edu (Andrew Scott Beals)
bic@cgl.ucsf.edu (Bruce Cohen)
chinacat.Lonestar.ORG!chip@cs.utexas.edu (Chip Rosenthal)
cj@mvuxr.att.com (Christopher J Hughes)
cje@elbereth.rutgers.edu (Cthulhu's Jersey Epopt)

cox@ucbarpa.Berkeley.EDU (Charles A. Cox)
csg@pyramid.pyramid.com (Carl S. Gutekunst)
ctuel@polyslo.calpoly.edu (Cliff Tuel)
dadoun@grads.cs.ubc.ca
danj1@cbnewse.att.com
dholz@zippy.net (Donald Schuerholz)
dsrekjk@prism.gatech.edu
dsrekrg@prism.gatech.edu
dube@cpdvax.csc.ti.com (DUBE TODD)
dupuy@hudson.cs.columbia.edu (Alexander Dupuy)
eiverson@NMSU.Edu
etxtsg@solsta.ericsson.se (Thomas Grennefors)
evan@sunrise.East.Sun.COM (Evan Marcus [Sun NJ Systems Consultant])
everson@spca.bbn.com
fc@lexicon.com (Frank Cunningham)
gil@banyan.banyan.com (Gil Pilz@Eng@Banyan)
gt6337a@prism.gatech.edu (Niel M. Bornstein)
halley!watson@cs.utexas.edu (William Watson)
jeffl@NCoast.ORG (Jeff Leyser)
jhf@cblpe.att.com (Jeffri H Frontz)
jj@alice.att.com
kkelly@boltzmann.rutgers.edu
mailrus!uunet!dciem!alzabo!kebera@gatech (Krishna E. Bera)
mailrus!uunet!hsi.com!mark@gatech (Mark Sicignano)
mas1!rizzi@apple.com (m. rizzi)
mbates@tusun2.mcs.utulsa.edu (Mike Bates)
mrm@Sun.COM (Marianne Kreuscher)
msmith@topaz.rutgers.edu (Mark Robert Smith)
msn@cbnewsh.att.com
munnari!minyos.oz.au!t902026@uunet.UU.NET (Luke Raisbeck)
munnari!vaxc.cc.monash.edu.au!OSA845B@uunet.UU.NET
n8442349@unicorn.wwu.edu (joy ralph m)
nimalr@ecse.rpi.edu (Nimal Ratnayake)
nomdenet@venera.isi.edu
otto@frith.egr.msu.edu (Carl Otto)
peirce@gumby.cc.wmich.edu (Leonard Peirce)
phiggins@orion.oac.uci.edu
ralph@mtune.att.com
reynhout@wpi.wpi.edu (Hagbard Celine)
riiali@lut.fi (Pekka Riiali)
rodney@ipl.rpi.edu (Rodney Peck II)
rose@orion.crd.ge.com (Michael Rose)
smtuttle@cs.uh.edu (Sharon M. Tuttle)
someone@jhunix.hcf.jhu.edu
sommar@enea.se (Erland Sommarskog)
striker@DPW.NYU.EDU
ucsd!sdsu!rducky!jrp@gatech (JIM PICKERING)
uniplex1!mjones@fenway.aix.kingston.ibm.com (Mike Jones)
uunet.UU.NET!oracle!nhess%gumby@cs.utexas.edu (Nate Hess)
vic@Solbourne.COM (Vic Schoenberg)
werner@cs.utexas.edu
wisner@hayes.fai.alaska.edu (Bill Wisner)
woj <woiccare@clutx.clarkson.edu>

```
xanadu!STella@uunet.uu.net


From -2193869241861283721
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ed09906a6b1b8c79
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-06 10:47:28 PST
Path: gmdzi!unido!mcsun!uunet!cadnetix.COM!cadnetix!rusty
From: rusty@cadnetix.COM (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: Dak radio
Message-ID: <11627@cadnetix.COM>
Date: 6 Mar 90 18:47:28 GMT
References: <890@edinboro.edu>
Sender: news@cadnetix.COM
Reply-To: rusty@cadnetix.COM (Rusty Carruth)
Lines: 13
Posted: Tue Mar  6 19:47:28 1990

In article <890@edinboro.edu> sciamanda@edinboro.edu writes:
>... but no info on this particular item.  Try it and return
>it if unsatisfactory!
>                  Bob Sciamanda  W3NLV
>                  Erie, PA

And post a review here, in any case! :-)


---Join the usenet un-net, 28.410 and/or 28.390(+-) 1700Z to 1900Z saturdays!
Rusty Carruth.                  Radio: N7IKQ                ^^ or later :-)
DOMAIN: rusty@cadnetix.com      UUCP:{uunet,boulder}!cadnetix!rusty
home: POB. 461, Lafayette CO 80026


From 3633165156583882907
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,30373d3912f6e56,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-06 10:59:16 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
sunybcs!uhura.cc.rochester.edu!rochester!kodak!brandy!mark
From: mark@brandy.UUCP (mark hilliard)
Newsgroups: rec.ham-radio
Subject: CDR HAM ROTOR TR-44
Message-ID: <184@brandy.UUCP>
Date: 6 Mar 90 18:59:16 GMT
Reply-To: mark@brandy.UUCP (mark hilliard)
Organization: Eastman Kodak Co, Rochester, NY
Lines: 8
Posted: Tue Mar  6 19:59:16 1990
```

Does anybody know where I can buy replacement parts for the
TR-44 rotor? I need to replace the pot for positional data in
the rotor.

Mark Hilliard
N2HHR
rutgers!rochester!kodak!gizzmo!mark

From 8289410539493578983
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,71ccba4c84034456
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-06 11:02:15 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!uwm.edu!lll-winken!decwrl!
From: reisert@tallis.enet.dec.com (Jim -- LTN1-2/H03 -- DTN 226-6905 06-Mar-1990 1402)
Newsgroups: rec.ham-radio
Subject: Re: Bad operators and dangerous DXing
Message-ID: <9003061902.AA01228@decwrl.dec.com>
Date: 6 Mar 90 19:02:15 GMT
Organization: Digital Equipment Corporation
Lines: 31
Posted: Tue Mar 6 20:02:15 1990

In article <25612@ut-emx.UUCP>, trey@ut-emx.UUCP (Trey Garlough) writes...
>In article <21316@netnews.upenn.edu>, depolo@eniac.seas.upenn.edu (Jeff DePolo-N3HBZ) writes:
>> of RFI to her VCR. Nothing too unusual about that. However, the thing
>> that made the incident stand out is that she was carrying a loaded rifle,
>> had it pointed at my chest from four feet away, threatened to shoot up the
>> station, and threatened to kill us unless we went off the air.
>
>I *hate* it when that happens. :-)

I know what you mean!

As far as DX stations who don't sign their callsign after every contact,
it's not so much to avoid generating a big pileup (hey, if I hear a DX
station with a pileup and not identifying him or herself, I'll hang around
to find out who it is), but to maximize QSO rate. If a station can work 200
stations in an hour by signing the callsign after each QSO, but another
station can work 250 by *not* signing the callsign as frequently, who's
gonna win?

jim, AD1C

=-=

"The opinions expressed here in no way represent the views of Digital
 Equipment Corporation."

James J. Reisert   Internet: reisert@tallis.enet.dec.com

Digital Equipment Corp.   UUCP: ...decwrl!tallis.enet!reisert
295 Foster Street
P.O. Box 1123
Littleton, MA 01460

From -7200028720763536327
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c34269afca18d214,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-06 11:03:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!apple!
agate!ucbvax!CORNELLC.cit.cornell.edu!MEHARP01%ULKYVM
From: MEHARP01%ULKYVM@CORNELLC.cit.cornell.edu (Michael Harpe)
Newsgroups: rec.ham-radio
Subject: Looking for General Instruments
Message-ID: <9003070826.AA03397@ucbvax.Berkeley.EDU>
Date: 6 Mar 90 19:03:10 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: University of Louisville
Lines: 17
Posted: Tue Mar 6 20:03:10 1990

Does anyone out there have an address for General Instruments? I am
looking for the Integrated Circuit division for a data sheet on a
MOS IC.

I didn't think they were around anymore. I may be mistaken.

Thanks!

```
---------------------------------------------------------------------
Michael Harpe, N4PLE                    | BITNET: MEHARP01@ULKYVM
106B Ormsby Building                    | VOICE:  502-588-7785
University of Louisville                | FAX:    502-588-5048
Louisville, KY  40292                   | AURAL:  "Mike!"
---------------------------------------------------------------------
"Sir, there is a large multi-legged creature crawling on your shoulder"
                                                  - Spock
```

From -2158132961105792646
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,101b7196fca268f6
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,101b7196fca268f6
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-03-06 11:10:25 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!ogicse!decwrl!shlump.nac.dec.com!
carafe!goldstein
From: goldstein@carafe.enet.dec.com (Fred R. Goldstein)
Newsgroups: rec.ham-radio,rec.ham-radio.packet

Subject: Re: ISDN for linking packet and repeaters
Message-ID: <8962@shlump.nac.dec.com>
Date: 6 Mar 90 19:10:25 GMT
Sender: newsdaemon@shlump.nac.dec.com
Followup-To: rec.ham-radio
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 28
Xref: gmdzi rec.ham-radio:10006 rec.ham-radio.packet:1862
Posted: Tue Mar 6 20:10:25 1990

In article <37@thoreau.nsc.com>, greg@thoreau.nsc.com (Greg Dean) writes...
>ISDN (Integrated Services Digital Network), is a new network protocol
>which aims to handle both voice and data (including X.25). Hardware
>(and probably software) are or will be available to facilitate an
>ISDN. It seems to me that ISDN running over a few microwave links
>would solve both of our linked repeater and packet problems. This is
>something the Amateur community should be on the leading edge of.

ISDN isn't a protocol. It's a set of services and interfaces. ISDN is
what the phone company supplies, implemented using digital (rather than
analog) signaling. Most of its components are taken from existing
telephony; some are new -- mainly the call setup protocol and the
physical link (wireline drivers). It has nothing to do with microwave
links or anything else like that; it's what you'll get soon when you
call and ask for a phone.

How can hams use it? The same way we use any other telephone wormhole.
But then it's not "ham radio" per se. On the other hand, ISDN means
that the non-ham BBS/modem crowd will soon have 64 kbps dial-up (the
ISDN circuit rate). And they don't even know morse! ;-) Somehow ham
radio won't look state of the art anymore. (Hey, it _was_, years ago.)
      fred k1io
       (member, ANSI T1S1: ISDN services, protcol, architecture)

```
Fred R. Goldstein   goldstein@carafe.enet.dec.com
                 or goldstein@delni.enet.dec.com
                    voice:  +1 508 486 7388
```

From 8941897842623359470
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,101b7196fca268f6
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,101b7196fca268f6
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-03-06 11:19:22 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!usc!elroy.jpl.nasa.gov!decwrl!shlump.nac.dec.com!carafe!goldstein
From: goldstein@carafe.enet.dec.com (Fred R. Goldstein)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Re: ISDN for linking packet and repeaters
Message-ID: <8963@shlump.nac.dec.com>

Date: 6 Mar 90 19:19:22 GMT
Sender: newsdaemon@shlump.nac.dec.com
Followup-To: rec.ham-radio
Organization: Digital Equipment Corp., Littleton MA USA
Lines: 77
Xref: gmdzi rec.ham-radio:10007 rec.ham-radio.packet:1863
Posted: Tue Mar 6 20:19:22 1990

In article <23214@usc.edu>, kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes...

>ISDN is much too litle and far too late (IMHO). I want a few 10Mb/sec
>lines coming into my house.

See below about "Broadband ISDN".

>Recently I saw Dr. Robert W. Lucky here at USC. Dr. Lucky writes the
>Reflections column in IEEE Spectrum. In his talk, Dr. Lucky mentioned
>quite a few interesting things:

>1. More than 98% of your telephone bill reflects the cost of
>   sending you the bill and keeping track of the accounts.
>   Almost none of your bill goes to maintaining the equipment; the
>   telephone companies are in the _service_ industry.

Either you misquote him or he's full of bat guano. How do you think they pay to maintain the equipment -- government handouts? Prices and true cost are out of line (less so than a decade ago) but telephone companies have lots of real costs, particularly capital (recovered as depreciation) and labor (guys pulling wires).

>2. Over the past few years, the bandwidth capability of the
>   technology has risen at a phenominal rate, while demand for
>   bandwidth has remained constant.

Partially true; demand has risen, especially on the data side. But not as fast as supply. This has of course reduced profit margins...

>Some of Dr. Lucky's suggestions were:

>1. Give people HI-FI voice lines.

ISDN allows the 7 kHz ADPCM to be used over its 64 kbps circuits; that's better than the usual 3.1 kHz. B-ISDN allows true hi-fi; CD-quality was demoed in France some years ago.

>2. Give people wide bandwidth data lines.

>(Note that the cost for both of the above is near zero! See above.)

B-ISDN will allow high bandwidth (as in 150 Mbps). It ain't cheap, though; they have to pull glass to your door. That might not cost a lot more than copper, but the _installed_ cost of copper averages something like $1k/house, capitalized.

>3. Allow the phone companies to provide cable-tv type
>   entertainment. (Dr. Lucky suggested that what he wanted was 40
>   or 50 'channels' all playing the same movie continuously, but
>   starting about 5 minutes apart. You could start when you
>   wanted, go to the kitchen or bathroom and then switch 'channels'
>   to pick up where you left off. This would be quite
>   convenient.)

B-ISDN allows dial-up of a video channel (around 135 Mbps). Not that
the CATV crowd is happy about that, but that's show biz!

>ISDN is a good idea, but it is very old technology. We should have had
>this years ago. Let's take the idea of ISDN, (which is basically a good
>idea), and update it to reflect current technology. I want a few
>10Mb/sec lines coming into my house.

Narrowband ISDN is mainly old technology, ordinary digital telephony and
X.25 with some new glue. Broadband ISDN is newer technology, using
all-glass transmission (well, mostly glass) and interface rates in the
150 and 600 Mbps range. It's got a lot of other "novel" features, and
requires some more development before it'll be practical, but you can
expect early deployments within a few years.

N-ISDN is better than analog telephony. Let's appreciate it for that.
Even 64 kbps beats a modem!
    fred k1io

Fred R. Goldstein   goldstein@carafe.enet.dec.com
                 or goldstein@delni.enet.dec.com
                    voice: +1 508 486 7388

From 2896949542258947408
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,71ccba4c84034456
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-06 11:30:35 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!rpi!zaphod.mps.ohio-state.edu!
uakari.primate.wisc.edu!aplcen!decuac!ufp.enet.dec.com!murphy
From: murphy@ufp.enet.dec.com (Rick Murphy)
Newsgroups: rec.ham-radio
Subject: Re: Bad operators and dangerous DXing
Keywords: contests RFI guns
Message-ID: <2944@decuac.DEC.COM>
Date: 6 Mar 90 19:30:35 GMT
References: <21316@netnews.upenn.edu> <9003021656.AA29819@ucbvax.Berkeley.EDU>
<656@west.West.Sun.COM>
Sender: guest@decuac.DEC.COM
Reply-To: murphy@ufp.enet.dec.com (Rick Murphy)
Organization: Digital Equipment Corporation, Landover MD
Lines: 13

```
Posted: Tue Mar  6 20:30:35 1990

In article <21316@netnews.upenn.edu>,
  depolo@eniac.seas.upenn.edu (Jeff DePolo-N3HBZ) writes:
 ....
> assault with a deadly weapon, and wreckless endangerment.  Women...
 -------------------------------------------------------------^^^^^
And you thought you were in trouble before! :-)
     -Rick

Rick Murphy, WA1SPT/4                   Digital Equipment, Landover, MD
murphy@ufp.dco.dec.com                 (UFP stands for United Federation
                                         of Planets - not what *you* were
decwrl!ufp.dco!murphy                    thinking!)
Disclaimer: I don't even speak for myself - my wife does!


From -4578360749902736039
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3979acd3c96db91d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-06 11:36:32 PST
Path: gmdzi!unido!mcsun!uunet!ingr!b11!herbster
From: herbster@b11.ingr.com (Joe Herbster)
Newsgroups: rec.ham-radio
Subject: Personal to Tad Cook
Keywords: Do I know you??
Message-ID: <7660@b11.ingr.com>
Date: 6 Mar 90 19:36:32 GMT
Organization: Intergraph Corp. Huntsville, AL
Lines: 16
Posted: Tue Mar  6 20:36:32 1990


     Sorry for the bandwidth splatter, E-mail has been bouncing....

     Mr. Cook,

          Thanks for the E-mail on old-fashioned radio protocol,
     I tried to reply but it bounced.  My question is this;

          I was in Suadi-Arabia about 6 years ago with a Florida
     Ham by the name (i think?) of "Ted Cook".  We used to ride
     motorcycles in the desert while contemplating how to get a CW
     rig operational.  Could this be you??  If so, how are you doing??
     If not, nice to hear from you anyway and what is your REAL mail
     path??

               de km4jn (was WB2DJH for a looooong time).


From -1579104748199094735
X-Google-Language: ENGLISH,ASCII-7-bit
```

X-Google-Thread: 10c9e3,c842fb04d50c885
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-06 11:48:17 PST
Path: gmdzi!unido!mcsun!uunet!cadnetix.COM!cadnetix!rusty
From: rusty@cadnetix.COM (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: unnet (was Re: College ARC's)
Message-ID: <11628@cadnetix.COM>
Date: 6 Mar 90 19:48:17 GMT
References: <1676550@MTS.RPI.EDU> <24858@ut-emx.UUCP>
<1990Feb26.040252.10692@cec1.wustl.edu>
Sender: news@cadnetix.COM
Reply-To: rusty@cadnetix.COM (Rusty Carruth)
Lines: 30
Posted: Tue Mar 6 20:48:17 1990

In article <1990Feb26.040252.10692@cec1.wustl.edu> sek9424@cec2.wustl.edu (Scott Eric Keller) writes:
>
>Saturday, 3/3 on 28.425+- at 1800Z. I realize it may be rough on 10, but
>lets give it a try. If anyone has any better time/freq suggestions, I would
>like to hear from you. We can always try some other bands in the near future.
>   I will volunteer to try and call the net from Wash U club station
>W0QEV.

Well, I see I've not been doing a very good job of 'advertising' the
un-net (Saturdays, 1700 to 1900 Z)....   :-)

Well, in any case, I'm still attempting to be on the air every saturday
9sorry, I missed last Saturday tho) from 1700Z to 1900Z (Z==UTC==GMT)
in the general neighborhood of 28.390 and/or 28.410 MHZ for the 'usenet
un-net'. In the past I've tried to stay between those freqs, but sometimes
band is such that I begin moving 10kHz either way off the end...

In any case, it looked like it was time for me to 'remind' everyone
about the un-net. I promise to make a very strong attempt to get on
the air this weekend, lets see how many usenetters we can talk to!
(Then, once your rig is warmed up, you can go to the Club Net mentioned
above... :-)   )

73 de rusty n7ikq

```
---Join the usenet un-net, 28.410 and/or 28.390(+-) 1700Z to 1900Z saturdays!
Rusty Carruth.                Radio: N7IKQ                 ^^ or later :-)
DOMAIN: rusty@cadnetix.com    UUCP:{uunet,boulder}!cadnetix!rusty
home: POB. 461, Lafayette CO 80026
```

From -1717222429519109715
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,71ccba4c84034456
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-03-06 16:09:25 PST
Path: gmdzi!unido!mcsun!uunet!seismo!ukma!psuvax1!psuvm!cunyvm!byuvax!yoda!ldg
From: ldg@yoda.byu.edu
Newsgroups: rec.ham-radio
Subject: Re: Bad operators and dangerous DXing
Message-ID: <66ldg@yoda.byu.edu>
Date: 7 Mar 90 00:09:25 GMT
Lines: 12
Posted: Wed Mar 7 01:09:25 1990

In <9003061902.AA01228@decwrl.dec.com>, Jim, AD1C, writes:

>... If a station can work 200
>stations in an hour by signing the callsign after each QSO, but another
>station can work 250 by *not* signing the callsign as frequently, who's
>gonna win?

The station that ID's every time should win, because the other bozo
would only have, say, 25 legitimate contacts. But alas, nobody insists
on proper procedure and things get progressively worse.

Lyle D. Gunderson N6KSZ   CIS: 73760,2354   GEnie: L.GUNDERSON
ldg@yoda.byu.edu   "Any technology without some attendant risk
350 CB / BYU / Provo, UT 84602   of misuse is probably trivial" --Louise Kohl

---

From 2479517196551904196
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55104bf68a9b1edb
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-06 17:24:08 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!think!zaphod.mps.ohio-state.edu!mips!
prls!philabs!briar.philips.com!rfc
From: rfc@briar.philips.com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Re: FT4700 mod
Message-ID: <84313@philabs.Philips.Com>
Date: 7 Mar 90 01:24:08 GMT
References: <84054@philabs.Philips.Com>
Sender: news@philabs.Philips.Com
Reply-To: rfc@briar.philips.com.UUCP (Robert Casey)
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 3
Posted: Wed Mar 7 02:24:08 1990

sorry about the multiple postings of the same article, appears that our system
here did something wierd.
73 de WA2ISE

From -3976550866324020384
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,bb8a343cda22f9ca,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-06 17:46:28 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: NEW(!) Idea on no code license
Message-ID: <30500437@ux1.cso.uiuc.edu>
Date: 7 Mar 90 01:46:28 GMT
References: <160952@<1990Mar6>
Lines: 30
Nf-ID: #R:<1990Mar6:160952:ux1.cso.uiuc.edu:30500437:000:1170
Nf-From: ux1.cso.uiuc.edu!phil   Mar 6 17:57:00 1990
Posted: Wed Mar 7 02:46:28 1990

> This idea came to me while I was in bed with the flu, so maybe it's just a
> fevered idea but.....

I'm worried already.

> What if the new communicator license was non-renewable? Seems to me that
> that would give people and easy entry into Ham Radio, give them on the air
> experience, and give them five years or so to learn the code.

That defeats the purpose. The purpose is NOT to trick people into getting into ham radio just so hams can get them to learn code, but rather to let people who never need to learn code to be IN ham radio without having to bother with learning it at all.

> Heck, you could even let the communicators re-new if they re-passed the
> theory test again.

Sounds fine to me, let's make ALL classes re-newable by exam only, and while we are at it, let's do it every TWO years. :-)

> Seems to me the Novice used to be two years, non-renewable. Maybe twp
> years was a little short, but I think the idea was right.

The idea of giving someone a short time to upgrade may be OK, but I strongly object to your idea of not letting there be a CODELESS license that people can upgrade TO.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From -6714208919405856037
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d44a75e427625f3
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-06 18:22:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!ames!pasteur!ucbvax!hplabs!hpl-opus!hpnmdla!alanb

From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: V31BB ???
Message-ID: <1250131@hpnmdla.HP.COM>
Date: 7 Mar 90 02:22:01 GMT
References: <418*csblasinski@BrockU.ca>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 9
Posted: Wed Mar 7 03:22:01 1990

I hope non-hams reading these notes don't get the idea that ALL operations on the HF ham bands are rude and crude. 99% of hams are reasonably considerate operators -- it's just that we tend to remember the other 1%.

SUGGESTION: Try CW. There seem to be far fewer loonies on this mode, and the ones that are there seem much less obnoxious. (Something about the difference between voice and tones.)

Al N1AL

From -8551138602028174388
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79ab3165c747e04,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-06 19:07:30 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: arrl
Message-ID: <1449@n8emr.UUCP>
Date: 7 Mar 90 03:07:30 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/9600(v.32)/PEP with MNP L5
Lines: 198
Posted: Wed Mar 7 04:07:30 1990

```
==============================================================
|         Relayed from packet radio via                      |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
==============================================================
```

SB ALL @ ALLUSA $RTDX0203
RTTY DX Notes, 1of3, 3/2/90

RTTY DX Notes for Weekending 2nd March 1990.
Part 1 of 3.
BID: $RTDX0203

Why must everyone have a mailbox or BBS? I know that they come with the various units that are available on the market these days, but whatever happened to communication? And why should all the mailboxes be on the same frequency? The author of these notes had the pleasure (?) of sitting on a frequency for four and a half hours the other day while four or five mailboxes listed their bulletins. Oh well, I guess that while their mailboxes are spitting out this stuff the owners can go out and play golf or something. It's a pity that people dont talk to each other these days.

Our thanks this week go to G0ABI, HL9TG, I5FLN,JA1BLV, JG1NBD, OD5NG, TG9VT, VK2EG, W1DA, W2JGR, W6/G0AZT and the Tri-State DX Association VHF Packet Cluster (NN2G, NB2P, WB2ZMK and others). Thanks, chaps. At least some people do communicate.

Bandpass:

```
Friday 23:
RA1AW       14083  at  0505Z
F8XT         3588  at  0620Z
BZ4SAA      14091  at  0647Z
HH2BZ       14092  at  1207Z
EA9JV       14089  at  1835Z
PZ1BS       14089  at  2155Z
J88BS       14084  at  2212Z  QSL
9H1MJ       14084  at  2230Z
9K2EC       14074  at  2355Z  ARQ

Saturday 24:
J88AR       21083  at  0044Z  QSL
BY9GA       21087  at  0120Z  Z23
AH2CE       14085  at  0342Z
J28TY       14092  at  0420Z
BZ4RCC      21094  at  0500Z  QSL
TJ1MW       14093  at  0725Z
EA6VS       28082  at  0912Z
RW4LYL      14086  at  1247Z
ZS8MI       14084  at  1545Z
TA3D        21089  at  1552Z
ZS9A        21064  at  1653Z  QSL/Note
H44SH       14090  at  1945Z
HS1BV       14089  at  1950Z
SV5ADM      14093  at  1953Z
EA9JV       14087  at  2220Z
TU4AK       14093  at  2320Z
```

Continued in part 2.
/EX
SB ALL @ ALLUSA $RTDX0303
RTTY DX Notes, 2of3, 3/2/90

RTTY DX Notes for Weekending 2nd March 1990.

Part 2 of 3.
BID: $RTDX0303

Sunday 25:

BV2B	21092	at	0115Z	
D44BC	14086	at	0550Z	
TU4BB	14093	at	0830Z	QSL/ARQ
TR8XX	28076	at	1027Z	QSL/ARQ
HS1BV	14095	at	1451Z	
J28TY	28092	at	1456Z	
JY9SR	28092	at	1500Z	
9Y4GC	28095	at	1639Z	
EL4LH	28097	at	1715Z	
9J2AL	28093	at	1731Z	
HH2BZ	21083	at	1846Z	
J88BS	21084	at	2020Z	
HI8BG	14083	at	2125Z	
ZF2ND	28089	at	2230Z	QSL

Monday 26:

PZ1BS	14083	ae	0320Z	
H44SH	14088	at	0751Z	
UH0W/UA4LU	14081	at	0905Z	
BY1SK	14086	at	0915Z	QSL/Note/ARQ
EA6MS	21090	at	1705Z	
HS1BV	14081	at	2021Z	
JY9SR	14090	at	2050Z	

Tuesday 27:

PJ8JP	14094	at	0130Z
RA9YD	14089	at	0205Z
JY9SR	21091	at	1323Z
TA3B	21086	at	1640Z
JX9CAA	14084	at	1837Z
ZF2ND	14093	at	2145Z
RT5UA	14087	at	2250Z
HH2BZ	14088	at	2334Z

Wednesday 28:

VP8BFH	14092	at	0616Z	
8Q7DN	21090	at	0916Z	QSL
ZF1GC	14070	at	1328Z	
EA6VS	21086	at	1712Z	
UC1AWW	14091	at	1830Z	
V31HQ	14088	at	2250Z	QSL

Thursday 1:

8Q7DN	14084	at	0020Z
PJ2MI	14091	at	0120Z
EA8EV	14084	at	0130Z
ZF2ND	14080	at	0230Z
UA9YE	14089	at	0230Z

QSL Information:

J88AR and J88BS collect their cards via WA4WIP.

ZS9A, Ian Sutherland, uses Box 2327, Walvis Bay 9190, Republic Of South Africa, for his cards.

TU2BB has the QSL manager of N2HOS.

ZF2ND collects his cards from KF6OG.

Continued in part 3.
/EX
SB ALL @ ALLUSA $RTDX0403
RTTY DX Notes, 3of3, 3/2/90
RTTY DX Notes for Weekending 2nd March 1990.
Part 3 of 3.
BID: $RTDX0403

BZ4RCC (Chang) wants his cards via Box 1827, Nanjing P.R. China while BY1SK (Meng) says to send his cards to Box 2916 Beijing, P.R. China. It is important when sending cards to the Chinese stations, that the name of the operator be included in the address.

TR8XX cards go to F2CW.

RH0W/RA4LU is via Box 88 Dimitrivograd-12, 433510 USSR.

Cards for EK0AH, KL7/RW3AH are available from Box 899 Moscow, 127018. USSR.

V31HQ will collect his cards from DL1ZP.

While 8Q7DN QSLS via JA4VUQ.

Information of Interest:

The Western Saraha operation is scheduled for commencement on 18th March for one week. The callsign will be S01LYNX and the QSL manager is EA2JG, Areli Exteguren, Las Vegas 91, 01479, Luyando (Alvaua) Spain. It will be an all band, all mode operation. The calls of S02, S03 and S04 may also appear.

Martti, OH2BH is still on schedule for Aves Island (YV0) around mid March.

Lord Howe Island will commence operation March 28th. It is still not known if there will be any RTTY operation.

ZS9A will be on 21064 every Saturday around 1700 to 1750Z. It is hoped that he will soon be on around 2300Z for the VK and Asia areas.

BY1SK (Meng, home call of BZ1FB) also runs ARQ and packet. His packet call is VS6UF where he has a BBS.

ZD8BOB says to hold his cards until mid June as he is going on vacation at this time.

Cocos TI9. TI2US stated that the trip is still on, but the exact date is not known as yet. He was not sure about RTTY either.

RE: Donations to the Spratly deal. Do not send donations to NT2X, as the information that I received was not completely correct at the time. More later.

GL DE DX1 (VK2SG) via TG9VT.

Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From -3601285750969158007
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,df4f75fe488a4f24,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-06 22:13:11 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!ut-emx!oo7
From: oo7@ut-emx.UUCP (Eton Witherspoon)
Newsgroups: rec.ham-radio
Subject: upcoming contests
Keywords: contest calendar April-May
Message-ID: <25678@ut-emx.UUCP>
Date: 7 Mar 90 06:13:11 GMT
Organization: The University of Texas at Austin, Austin, Texas
Lines: 43
Posted: Wed Mar 7 07:13:11 1990

Some upcoming contests you don't want to miss:

April 14: Combined Sprint and Chess contest. Same basic format as Sprint, but stations must work other stations enough times to complete a chess game. On initial contact with a station exchange first moves, (station calling CQ plays White), then sprint at least 5 KHz and begin game with second station, etc. Continue games by finding the stations again one at a time and exchanging one move. Score is number of games played multiplied by number of wins. Draws count half points. No boards permitted. CW only. Brilliancy prizes.

April 21: Olde Phartes Conteste. Exchange latest prescription number, days since last doctor visit and full description of current medical symptoms. Each exchange must last at least one hour. 75m only, use of callsign optional. Contestants must remain alive for the duration of this 24-hr contest.

April 28: Modified CQWW. No contacts allowed with JA, YU or UB stations. Special certificates for stations with total number of contacts in double figures in spite of this limitation.

May 5: 10-10 contest. As for regular phone 10-10 contest, except that operators giving their 10-10 numbers in "dollars and cents" are disqualified from future contests. The contest is therefore not expected to take place in following years.

May 12: Belize Egoists Contest. U.S. stations may work only Belize (V31) stations. Contestants may not use MFJ equipment unless disparaging remarks about it are made as part of the exchange. Belize stations need not give callsigns or follow any usual contest rules, and may flame any callers mercilessly. U.S. stations who attempt to reply to flames are disqualified.

May 19: Usenet Contest. Exchange full e-mail addresses, and opinions on no-code license. Bonus points for creative flaming.

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu

From 6624452850543923469
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,816e9230e7b542b0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-06 22:22:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: DUAL BANDER RIGS AS REPEATERS ???
Message-ID: <30500436@ux1.cso.uiuc.edu>
Date: 7 Mar 90 06:22:33 GMT
Lines: 6
Nf-ID: #R:<9003060801.AA06942@ucbvax.Berke:-40:ux1.cso.uiuc.edu:30500436:000:179
Nf-From: ux1.cso.uiuc.edu!phil   Mar 6 17:13:00 1990
Posted: Wed Mar 7 07:22:33 1990

The Icom IC-2400 (144/440 Mhz) and IC-2500 (440/1240 Mhz) will operate cross band repeat with the offset on either or both bands.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

```
From -1986603104245117523
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2329461143f926e6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-07 00:38:38 PST
Path: gmdzi!unido!fauern!ira.uka.de!snorkelwacker!apple!agate!ucbvax!DLRVM.BITNET!
RZ15
From: RZ15@DLRVM.BITNET
Newsgroups: rec.ham-radio
Subject: Re: small QRP HF transceivers
Message-ID: <900307074842RZ15@DLRVM.BITNET>
Date: 7 Mar 90 08:38:38 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 28
Posted: Wed Mar  7 09:38:38 1990
X-Unparsable-Date: Wed, 07 Mar 90 07:48:42 MEZ
```

Arun,

I suppose, that the QRP HF transceivers, which You describe in Your mail, are made by MIZUHO (japanese) company.

This transceivers are readily available here in Germany, but in the last (March) Issue of RadComm (Radio Communication, which is the member magazine of britisch RSGB), is an advertisement from british company selling this MIZUHO MX line.

They sell this QRP transmitters for 80, 40 and 20 m (only?). The power ist 2 Watts and each rig is VXO controled. What you get is 25 kHz tunning range in the 80 and 40 m and 50 kHz in the 20 m. One Xtal is supplied (I don't know, how many Xtals can be in simultaneously). Another features are IRT, noise blanker, S-meter, speaker, morse key, BNC socket. You can powered it from AA cells or from external power supply. The size is about 66 mm width, 39 mm high and 142 mm deep.The mode is CW and (perhaps) SSB (I am not sure here, perhaps the mode is CW only, with possibility to receive SSB).

The price in the british magazine is 189 pounds. Sorry, I cannot give you german price, the last issue of ,,cq DL" (which is our radio amateur magazine from DARC) shows no price, only the comment ,,Achtung! Kurzwellen-Mono-Bander jetzt zu Sonderpreisen" (Attention! HF monobander now for special price).

Vy 73 Peter DL 3 MCG

From 6970763637757647750
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,346f1bff90975e86
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-07 02:34:29 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: NPRM 90-55 - No test code priviledg
Message-ID: <30500438@ux1.cso.uiuc.edu>
Date: 7 Mar 90 10:34:29 GMT
References: <526@ssc.UUCP>
Lines: 10
Nf-ID: #R:ssc.UUCP:526:ux1.cso.uiuc.edu:30500438:000:400
Nf-From: ux1.cso.uiuc.edu!phil   Mar 6 22:49:00 1990
Posted: Wed Mar 7 11:34:29 1990

> Communicators should receive full Novice CW priviledges. International reg's
> only require a knowledge of CW for HF operation. If the person is using CW
> they obviously have some knowledge.

I believe they required demonstrating such knowledge in advance, hence a test
is required. I don't know if any specifications of the test are indicated.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From 3120375655152001379
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,71ccba4c84034456
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-07 05:29:07 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!ucsd!ucsdhub!hp-sdd!ncr-sd!ncrcae!prdmgt!flake
From: flake@prdmgt.Columbia.NCR.COM (Joe Flake)
Newsgroups: rec.ham-radio
Subject: Re: Bad operators and dangerous DXing
Keywords: contests RFI guns
Message-ID: <223@prdmgt.Columbia.NCR.COM>
Date: 7 Mar 90 13:29:07 GMT
References: <9003021656.AA29819@ucbvax.Berkeley.EDU> <656@west.West.Sun.COM> <21316@netnews.upenn.edu> <39223@apple.Apple.COM>
Reply-To: flake@prdmgt.Columbia.NCR.COM (Joe Flake)
Organization: NCR Corp, E&M Columbia, SC
Lines: 25
Posted: Wed Mar 7 14:29:07 1990

In previous articles

>>... poor contest operators ...
>>... about 5 contacts, during which he never said his call.
>

Yes it's rude when contacted and the operator refuses to give
his call. But then again, there's something wrong with the
operator who hasn't the foggiest idea who the station on the
other end of the pile-up is, but jumps in to work them. That's
poor operating practice too IMHO. There's a pile-up of stations
who have listened long enough (perhaps longer than they should
if the other operator doesn't give his call very often) to know
who's on the other end, and here comes some schmuck with more
kw than patience who jumps in to work the station. The ones
who stand on the outskirts of the pile up yelling "your call [please]"
with no call of their own are about half a step worse than those
who work the station then try to figure out who they worked.

Oh, well I still enjoyed my small part of the contest. I worked
perhaps 30-40 stations during several short sessions on 15M.

73,
Joe Flake, N4BGQ
joe.flake@columbia.ncr.com
...ncrcae!flake

From 8931412734890427295
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3b40e6e7d7cee24
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-07 06:16:32 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!zaphod.mps.ohio-state.edu!swrinde!
cs.utexas.edu!asuvax!stjhmc!f1.n234.z1.fidonet.org!Jim.Grubs,.W8GRT
From: Jim.Grubs,.W8GRT@f1.n234.z1.fidonet.org (Jim Grubs, W8GRT)
Newsgroups: rec.ham-radio
Subject: Re: Sweeping carrier in the HF bands
Message-ID: <14228.25F51BD8@stjhmc.fidonet.org>
Date: 7 Mar 90 14:16:32 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 24
Posted: Wed Mar 7 15:16:32 1990

 > From: phil@ux1.cso.uiuc.edu
 >
 > > I have noticed (for some time now) a sweeping carrier
 > > passing through the HF bands. It appears both in the
 >
 > > I now belive that none of the above explanations
 > > apply. I think this sweeping carrier is some sort
 > > of HF propogation sounder. It probably is finding
 > > the MUF and collecting data relating to HF

> > propogation vs. frequency vs. time. If this is
> > true how can the FCC license such an obnoixous
> > thing?
>
> Potentially under Part 5 rules. Read them.

The Department of Defence, as a U. S. government user, is administered by the IRAC/NTIA, not the FCC. Ironically, not even FCC operated radio transmitters are administered by the FCC.

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs,.W8GRT
Internet: Jim.Grubs,.W8GRT@f1.n234.z1.fidonet.org

From -1347946420530499091
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-07 06:55:49 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!yale!mfci!rodman
From: rodman@mfci.UUCP (Paul Rodman)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Message-ID: <1255@m3.mfci.UUCP>
Date: 7 Mar 90 14:55:49 GMT
References: <9003051529.AA05504@pelham.med.unc.edu>
Sender: rodman@mfci.UUCP
Reply-To: rodman@mfci.UUCP (Paul Rodman)
Organization: Multiflow Computer Inc., Branford Ct. 06405
Lines: 26
Posted: Wed Mar 7 15:55:49 1990

In article <9003051529.AA05504@pelham.med.unc.edu> pswecker@med.unc.edu (Peter St.Wecker) writes:
>
>   I'm continuing to work on my code speed towards the magic 13wpm, but
>I'd like to get people's opinions on how best to do it. I'm using the

If you want to minimize the time to get to 13 wpm , don't bother listening to anything less than 13wpm. Start with the 20 and ramp down to 13 over 30 minutes or so, just write down any letters you make out and don't worry about checking your text, you'll know when you are ready to take the test. You could do a little 10 at the end just to make you feel better. Try to practice once a day, and don't do it if you are tired and not concentrating well.

This was the method suggested to me, and it worked great. I used the same method to get to 20 copying in my head, start with 35 wpm (!! machine-gun fire!!) and by the time W1AW gets to 20, it seems slow!

My only problem now is trying to copy the crap on the air that passes
for morse code, :-) (blech).

73 & good luck!

Paul K. Rodman / KA1ZA /   rodman@multiflow.com
Multiflow Computer, Inc.   Tel. 203 488 6090 x 236
Branford, Ct. 06405

From -8357774819376958829
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,945573b1692f89f9,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-07 07:25:57 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com (DUBE TODD)
Newsgroups: rec.ham-radio
Subject: Another (?) New idea on no-code
Message-ID: <9003071534.AA17763@ti.com>
Date: 7 Mar 90 15:25:57 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Wed Mar 7 16:25:57 1990

Why not just go with a "Computer-Class" license. Not only would there be no Morse Code requirement; there would be no analog questions on the written, just digital electronics (after all, the radio part is just another peripheral device). This would keep out all the OF's that don't want to waste time learning all the digital electronics and computer terminology, and they wouldn't clutter up the computer bands with all that CQ contest, and beep-boop stuff.

73,
Dube Todd N5PDK

From 637149710902809062
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: f8c9b,10405130b9aa5b1a
X-Google-Attributes: gidf8c9b,public
X-Google-Thread: 10c9e3,c34269afca18d214
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-07 08:11:33 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Looking for General Instruments
Message-ID: <1411@anasaz.UUCP>

Date: 7 Mar 90 16:11:33 GMT
References: <9003070826.AA03397@ucbvax.Berkeley.EDU>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 14
Posted: Wed Mar 7 17:11:33 1990

In article <9003070826.AA03397@ucbvax.Berkeley.EDU>
MEHARP01%ULKYVM@CORNELLC.cit.cornell.edu (Michael Harpe) writes:
]
]Does anyone out there have an address for General Instruments? I am
]looking for the Integrated Circuit division for a data sheet on a
]MOS IC.

The IC division did an LBO, and is now called Microchip Technology.
They are in Chandler, Arizona. Sorry, no number available - call
information.
--
John Moore (NJ7E)   mcdphx!anasaz!john asuvax!anasaz!john
(602) 951-9326 (day or eve) long palladium, short petroleum
7525 Clearwater Pkwy, Scottsdale, AZ 85253
Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From 3952715631965280961
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3d9c041d6e27e2d6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-07 08:35:27 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!wyse!pgraham
From: pgraham@wyse.wyse.com (PC-NFS Philip Graham x1124 #)
Newsgroups: rec.ham-radio
Subject: Re: Measurement of Harmonics
Message-ID: <2629@wyse.wyse.com>
Date: 7 Mar 90 16:35:27 GMT
References: <2619@wyse.wyse.com> <7880130@hpfcdc.HP.COM>
Sender: news@wyse.wyse.com
Reply-To: pgraham@wyse.UUCP (PC-NFS Philip Graham x1124 #)
Organization: Wyse Technology
Lines: 26
Posted: Wed Mar 7 17:35:27 1990

In article <7880130@hpfcdc.HP.COM> perry@hpfcdc.HP.COM (Perry Scott) writes:
>I'm in the process of building a legal-limit multi-band HF amplifier.
>There is an FCC-imposed limit on harmonic content (50 dB ?), but this
>can be hard to accurately measure without a REAL(tm) spectrum analyzer.
>
I was the person who originally posted this item... In any case I have built
the A&A engineering spectrum analyzer and it is great fun. Another
company sells PCBs/Kits that +might+ be a cheaper way to go... But I am
not sure... That company is called Science Workshop.

The main problem is finding an attenuator that can take 1KW+ down to a level that will not fry the spectrum analyzer or find a directional coupler that will do the same thing (although the ARRL handbook says this is not as accurate)..

If you belong to a club, maybe the club could buy the kit and various members assemble it and leave it available for club members use.... But this does not seem practical.

If you have a shortwave reciever around an article in 73 Magazine might work out. This used a shortwave reciever and a scope as well as some logic to interface the two. The accuracy of this will not be very good though.

73
DE KJ6NN
Phil

From -1329610703157632868
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4e81193aab733b99,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-07 08:43:25 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!uflorida!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!mips!wyse!pgraham
From: pgraham@wyse.wyse.com (PC-NFS Philip Graham x1124 #)
Newsgroups: rec.ham-radio
Subject: tm-721a display
Keywords: tm-721a display
Message-ID: <2630@wyse.wyse.com>
Date: 7 Mar 90 16:43:25 GMT
Organization: Wyse Technology, San Jose
Lines: 11
Posted: Wed Mar 7 17:43:25 1990

Here is the latest on the TM-721a display upgrade.

It is on its way from Japan and should be here by the end of the month...

Did not get an update on cost or procedures to return units for the upgrade... Call kenwood at the end of the month to find out about getting your radio with a display that can be read.....

DE KJ6NN
Phil

From -977616748607456205
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6d26ee73646105be
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-07 09:31:41 PST

Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!decwrl!amdcad!positron!brian
From: brian@positron.amd.com (Brian McMinn)
Newsgroups: rec.ham-radio
Subject: Re: External ant on walkman?
Keywords: antenna walkman external modification stupid_question
Message-ID: <29403@amdcad.AMD.COM>
Date: 7 Mar 90 17:31:41 GMT
References: <8462@netcom.UUCP>
Sender: news@amdcad.AMD.COM
Reply-To: brian@positron.AMD.COM (Brian McMinn)
Organization: Advanced Micro Devices, Inc., Austin, Texas
Lines: 27
Posted: Wed Mar 7 18:31:41 1990

In article <8462@netcom.UUCP> jxh@netcom.UUCP (Jim Hickstein) writes:
| I have one of those little FM-only Sony Walkman devices, and it has problems
| (no big surprise, there). I want to separate the antenna and audio output
| functions of the stereo mini jack

Fast & Cheap Solution:

Get a short piece of fine wire and wind it around the ground (or common) connection of the headphone cord. The ground connection is the one closest to your fingers if you hold the jack like you would to plug it in. Plug the jack into the socket of your Walkman (this will wedge the wire in between the jack and the body of the Walkman). Now connect an antenna (random hunk of wire) to the short wire.

Why this works: Most Walkmans use the shield/common line of the headphone cord as an FM antenna. Inside the unit, this line is connected to the FM input of the radio proper through a capacitor and to the audio ground through a small coil (inductor).

Better reasons to try this: 1) I've done it and it works. 2) It doesn't require opening your Walkman. 3) It can be undone if it doesn't work. 4) It's outrageously cheap.

(Jim--your news posting system doesn't know your return address!)
Brian McMinn   brian@neptune.AMD.COM
Advanced Micro Devices N5PSS
Austin, Texas   1-(512)-462-5389

From 719968525783238023
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a53bc31479238ae6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-07 11:44:29 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!decwrl!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio

Subject: Re: MFJ quality
Message-ID: <7880131@hpfcdc.HP.COM>
Date: 7 Mar 90 19:44:29 GMT
References: <23047@usc.edu>
Organization: HP Ft. Collins, Co.
Lines: 21
Posted: Wed Mar 7 20:44:29 1990

Re: 949C switches

>I think the switch is just under-engineered, and could be corrected with
>a parts mfgr change. There is quite a bit of current on the lowest L
>setting, which is where the switch wiper ate it.

An update.

I replaced the switch, and gave it my standard "wrong end of 75 meters" test. The new switch held, but the capacitors arced-over at 200W. I measured the plate separation (.05"), and the Handbook sez this is good for 1000 volts. Wow. I didn't know a shortened mistuned quarter-wave ground plane antenna could develop that much reactance.

Anyway, it's time to go to a hamfest and get some REAL(tm) components. In fairness to MFJ, the 949C works well with barefoot HF rigs in the 100W PEP range. I think that's its intended purpose. I'm able to tune everything but dead shorts at that power level.

Perry Scott
KF0CA

From 8759640973291609801
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ce3d1433b4a268f1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-07 12:00:56 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!image.soe.clarkson.edu!sunybcs!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!lll-winken!decwrl!ucbvax!hplabs!hpda!hpcuhb!hpscdc!marke
From: marke@hpscdc.scd.hp.com (Mark Espinosa)
Newsgroups: rec.ham-radio
Subject: Need IC-04AT RX MODS Please!!
Message-ID: <5490094@hpscdc.scd.hp.com>
Date: 7 Mar 90 20:00:56 GMT
Organization: Hewlett-Packard, Santa Clara Div.
Lines: 14
Posted: Wed Mar 7 21:00:56 1990

The subject of "mod's" for the IC-04AT have probably been brought up before here on the NET, but for some reason I have managed to miss them all. So, if some kind ol radio amateur could dig in to his or her files one more time, and post them for me, it would be muchly apprieciated. I am specifically looking for the mod's that pertain to out of band operation, and RX audio volume improvement.

Please post or e-mail, and thanks.

Mark Espinosa/WA6RGD

From -7460435770359559443
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,26bd3264b350170f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-07 12:16:31 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!STL-06SIMA.ARMY.MIL!wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: Re: Who lives near 30 MHz?
Message-ID: <9003080815.AA27857@ucbvax.Berkeley.EDU>
Date: 7 Mar 90 20:16:31 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Wed Mar 7 21:16:31 1990

I would expect broadcast-style signals in the 29-31 MHz range to be harmonics. Of course, harmonics are also found elsewhere, but I hear reports of them in this area quite often in the DX news info given by Glenn Hauser on Radio Canada Int'l's SWL Digest program, or in his World of Radio program on WRNO (& other outlets). In Alaska, I suppose it is reasonable for you to be picking up harmonics of Soviet and other Asian stations; most of the ones we hear about down here are Spanish-language.

Regards, Will

From -2080198304903225l5
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,979784faa4176576
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-07 12:55:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!think!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!jarthur!elroy.jpl.nasa.gov!decwrl!shelby!unix!hplabs!hpda!hpcupt1!hprnd!hprmokg!barry
From: barry@hprmokg.HP.COM (Barry Fowler)
Newsgroups: rec.ham-radio
Subject: Re: Increasing CW speed
Message-ID: <29490012@hprmokg.HP.COM>
Date: 7 Mar 90 20:55:54 GMT
References: <9003051529.AA05504@pelham.med.unc.edu>

Organization: HP Networked Computer Mfg. Operation
Lines: 22
Posted: Wed Mar 7 21:55:54 1990

Get on the air.

The Morse programs teach you how to pass the test but not how to operate CW. Many of my friends are afraid to get on the CW bands because they only copy "sanitized CW" from their PC.

Who knows??? You might even have fun.

Seriously, it is important to be able to get on the air with CW and there are some really nice people on the bands. Not as much "territorialism" as in the phone bands.

Barry M. Fowler   Hewlett Packard Company

Networked Computer Manufacturing Operation - Roseville, California

e-mail: barry@hprmokg.rose.hp.com
Verbal: Hey Barry!
R.F. : WB6JZL

From 3169425055540673674
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15cfc81fad31a946
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-07 13:11:52 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!ames!amdahl!pyramid!prls!philabs!popeye!rfc
From: rfc@popeye.Philips.Com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Re: Broadcasting Video from RC Plane
Message-ID: <84622@philabs.Philips.Com>
Date: 7 Mar 90 21:11:52 GMT
References: <14019.25F32DAA@stjhmc.fidonet.org>
Sender: news@philabs.Philips.Com
Reply-To: rfc@popeye.UUCP (Robert Casey)
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 7
Posted: Wed Mar 7 22:11:52 1990

Instead of using an RC plane with a TV camera to spot fish, maybe a tethered balloon with the camera would work. The tether would be the coax cable for delivering the video. This gets rid of the problem of broadcasting the signal, and you don't have to worry about flying the plane, or crashing it. You also don't have to worry about running out of fuel, and where to land it.

hope this helps   73 de WA2ISE

From -2601136589116703435
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,816e9230e7b542b0
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-07 13:58:44 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!elroy.jpl.nasa.gov!jpl-devvax!hydra!jta
From: jta@hydra.tmc.edu (Jon T. Adams)
Newsgroups: rec.ham-radio
Subject: Re: DUAL BANDER RIGS AS REPEATERS ???
Message-ID: <7326@jpl-devvax.JPL.NASA.GOV>
Date: 7 Mar 90 21:58:44 GMT
References: <30500436@ux1.cso.uiuc.edu>
Sender: news@jpl-devvax.JPL.NASA.GOV
Organization: Jet Propulsion Laboratory, Pasadena, California
Lines: 31
Posted: Wed Mar 7 22:58:44 1990

In article <30500436@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>
>The Icom IC-2400 (144/440 Mhz) and IC-2500 (440/1240 Mhz) will operate
>cross band repeat with the offset on either or both bands.
>
>--Phil Howard, KA9WGN--

Be aware! This does not provide a "repeater" operation like on your local hilltop (unless it was built by lids) - this "cross-band repeater" isn't full duplex. If you are talking on some two-meter channel and allowing this mobile radio to retransmit that on some 440 channel, you can't hear anything that is going on up on that 440 channel until you release the pickle. Generally, so long as you know this it's ok.
Here in La La Land, we get folks (I like to think of them as the "No Code" types (hi hi)) who buy one of those rigs, then immediately put them on the air as "repeaters" at their house, choosing some quiet channel (usually our repeater input!) as the dump out on 440; then the 2m input is set on some 2m repeater, and there's no end to the annoyance. And there's no way to talk back as the repeater never drops, and none of them speak English anyway (how about a "English Only" license?!?!). (sigh.)

Remember: Radios don't have a mind of their own; kinda like some of their owners.

Adios - Jon

```
--
Jon "What a GREAT guy" Adams, NW6H | "Amateur Radio isn't Everything;
JTA@hydra.jpl.nasa.gov             |  It's the ONLY thing..."
These are just OPINIONS, ok?!?     |  - Some Really Famous Person
"Railroading, however, is pretty important, too..."  - ARFP
```

From -8507699272992295943
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8fde4425fdf42dab
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-07 14:35:33 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!rutgers!aramis.rutgers.edu!
topaz.rutgers.edu!msmith
From: msmith@topaz.rutgers.edu (Mark Robert Smith)
Newsgroups: rec.ham-radio
Subject: Re: Sun-noise Newspaper Notice
Message-ID: <Mar.7.17.35.31.1990.27868@topaz.rutgers.edu>
Date: 7 Mar 90 22:35:33 GMT
References: <9003061346.AA03305@cmr.ncsl.nist.gov>
Organization: Rutgers - The Police State of New Jersey
Lines: 9
Posted: Wed Mar 7 23:35:33 1990

My girlfriend's cable company placed such a warning in it's guide for
this month.

Mark
--
```
Mark Smith, KNJ2LH                All Rights Reserved
RPO 1604               You may redistribute this article only if those who
P.O. Box 5063                 receive it may do so freely.
New Brunswick, NJ 08903-5063              msmith@topaz.rutgers.edu
```

From 7647018884629875935
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b51ce064c3fff8c2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-07 14:46:08 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!zaphod.mps.ohio-state.edu!usc!
elroy.jpl.nasa.gov!decwrl!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Re: NPRM 90-55 - No test code priviledgesREAD/NEW/FOLLOWUP
Message-ID: <1250132@hpnmdla.HP.COM>
Date: 7 Mar 90 22:46:08 GMT
References: <5160.25f3ec63@rsmas.miami.edu>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 8
Posted: Wed Mar 7 23:46:08 1990

I believe the international regulations require a KNOWLEDGE of Morse code
for HF operation, but I have never heard that they require a code TEST.

I for one would be perfectly comfortable with the idea of Communicators
having HF Novice privileges (code only). They can't operate code if they
don't know it.

Al N1AL

```
From -7282588918641289883
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3b40e6e7d7cee24
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,d3b40e6e7d7cee24
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-03-07 17:16:36 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!ssc-vax!bcsaic!carroll
From: carroll@bcsaic.UUCP (Jeff Carroll)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Sweeping carrier in the HF bands
Message-ID: <21344@bcsaic.UUCP>
Date: 8 Mar 90 01:16:36 GMT
References: <3034@radio.oakhill.UUCP> <16508@orstcs.CS.ORST.EDU>
Reply-To: carroll@bcsaic.UUCP (Jeff Carroll)
Organization: Boeing Computer Services AI Center, Seattle
Lines: 46
Xref: gmdzi rec.ham-radio:10084 rec.radio.shortwave:672
Posted: Thu Mar  8 02:16:36 1990
```

In article <16508@orstcs.CS.ORST.EDU> liud@guille.ECE.ORST.EDU.ECE.ORST.EDU (Don Liu) writes:

>In article <3034@radio.oakhill.UUCP> charlie@oakhill.UUCP (Charlie Thompson) writes:
>>I have noticed (for some time now) a sweeping carrier
>>passing through the HF bands. It appears both in the
>>amateur HF bands and other HF frequencies as well.
>
>These are the SPREAD SPECTRUM communication signals...

Not likely, for reasons I'll give below.

> There are
>usually two modulating signals. One is the useful signal which
>modulates the carrier (HF) in one of the common method. The frequency
>deviation caused by the useful signal (like data, audio, etc) is
>very small.

I know of no HF spread spectrum system in the field today. (This isn't to say there isn't one. In fact, I've heard rumors. But I've heard of no production contracts.) The lowest-frequency SS systems I know of (e.g., SINCGARS) are in the 30-88 MHz band, and are frequency-hopping rather than carrier-swept or psuedonoise-spread.

>The other modulation is much greater and results in a widely
>spread frequency spectrum. It is the format of this modulation
>that characterize the communication. There are several advantages
>of the spread spectrum. The "spreading" format is unique for each
>station, and only the authorized recevers know the format. Therefore

>the S.S. is very secure. Secondly, since the energy is so weak (in
>everage sense) in a 10 KC window (that of a radio), the signal can
>hardly be noticed (unless slow formats are used).

And a swept carrier would be about the stupidest method you could use for a SS signal, unless you didn't care about being detected and intercepted. SS is only secure if the enemy can't find enough of your signal to figure out what kind of encryption and hop rate/PN sequence you're using. Sometimes just having your signal *detected* can be deadly, because the enemy can DF on it and blow you away.

>Most US spied use S.S., by the way.

Not to mention the Army. And the Air Force. And, soon, your cellular phone.

Jeff Carroll
carroll@atc.boeing.com

From 5760794138713957822
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 114aac,d3b40e6e7d7cee24
X-Google-Attributes: gid114aac,public
X-Google-Thread: 10c9e3,d3b40e6e7d7cee24
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-07 17:20:11 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!cs.utexas.edu!rice!uw-beaver!ssc-vax!bcsaic!carroll
From: carroll@bcsaic.UUCP (Jeff Carroll)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Sweeping carrier in the HF bands
Message-ID: <21346@bcsaic.UUCP>
Date: 8 Mar 90 01:20:11 GMT
References: <3034@radio.oakhill.UUCP> <16508@orstcs.CS.ORST.EDU> <21344@bcsaic.UUCP>
Reply-To: carroll@bcsaic.UUCP (Jeff Carroll)
Organization: Boeing Computer Services AI Center, Seattle
Lines: 5
Xref: gmdzi rec.ham-radio:10085 rec.radio.shortwave:673
Posted: Thu Mar 8 02:20:11 1990

Oops. got so busy flaming I forgot to present my hypothesis.

I've heard about this kind of thing in my graduate EM classes. Forget the common name (I'll look it up tonight), but it's essentially an ionospheric effect.

From 1737184573177277525
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,83957c15d3abf4e,start

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-07 17:42:19 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!m.cs.uiuc.edu!kenny
From: kenny@m.cs.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Forgiving the League for Incentive
Message-ID: <13900016@m.cs.uiuc.edu>
Date: 8 Mar 90 01:42:19 GMT
References: <20638@bellcore.bellcore.com>
Lines: 9
Nf-ID: #R:bellcore.bellcore.com:20638:m.cs.uiuc.edu:13900016:000:263
Nf-From: m.cs.uiuc.edu!kenny   Mar 7 14:06:00 1990
Posted: Thu Mar 8 02:42:19 1990

>"Well, it looks like you've forgiven the Japanese. Why can't you forgive the
>League?"

The Japanese are no longer trying to overthrow the United States by force of arms. I'll forgive the League when they quit beating that particular tired horse.

Kevin,   KE9TV

From 4518271788362391368
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3b40e6e7d7cee24
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,d3b40e6e7d7cee24
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-03-07 17:51:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!snorkelwacker!mit-eddie!bu.edu!lectroid!jjmhome!cpoint!frog!john
From: john@frog.UUCP (John Woods)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Sweeping carrier in the HF bands
Message-ID: <12840@frog.UUCP>
Date: 8 Mar 90 01:51:00 GMT
References: <3034@radio.oakhill.UUCP> <13323@cbnewse.ATT.COM>
Followup-To: rec.ham-radio
Organization: Misanthropes-R-Us
Lines: 11
Xref: gmdzi rec.ham-radio:10058 rec.radio.shortwave:666
Posted: Thu Mar 8 02:51:00 1990

In article <13323@cbnewse.ATT.COM>, parnass@cbnewse.ATT.COM (Bob Parnass, AJ9S) writes:
> A search of FCC records shows SRI may also be using linear
> sweepers. SRI was granted license KA2XNH as an experimental
> contract station to fullfull U.S. Navy contract N00014-83-

```
> C-0267.
```

Ah, but did they pass a code test? And do they QSL??? ;-)

--
John Woods, Charles River Data Systems, Framingham MA, (508) 626-1101
...!decvax!frog!john, john@frog.UUCP, ...!mit-eddie!jfw, jfw@eddie.mit.edu

---

```
From -1344115610109541736
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8fde4425fdf42dab
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-07 18:35:00 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp!deimos!ux1.cso.uiuc.edu!
brutus.cs.uiuc.edu!usc!ucsd!nosc!crash!scotto
From: scotto@crash.cts.com (Scott O'Connell)
Newsgroups: rec.ham-radio
Subject: Re: Sun-noise Newspaper Notice
Message-ID: <1762@crash.cts.com>
Date: 8 Mar 90 02:35:00 GMT
References: <9003061346.AA03305@cmr.ncsl.nist.gov>
Reply-To: scotto@crash.cts.com (Scott O'Connell)
Organization: Crash TimeSharing, El Cajon, CA
Lines: 20
Posted: Thu Mar  8 03:35:00 1990
```

In article <9003061346.AA03305@cmr.ncsl.nist.gov> rc@cmr.ncsl.nist.gov (Robert Carpenter) writes:

```
>Advertisement from "The Frederick Post", Frederick, MD, March 6
>
>                             ATTENTION
>                 FREDERICK CABLEVISION SUBSCRIBERS
>
>>From March 1st through March 9th 1990, SUN  OUTAGES  will  affect
>all  satellite-delivered  channels.  The  satellites  move into a

>My question: do many cable systems bother to place  notices  like
>this?  BTW, the newspaper owns the cable system.
```

My cable company sends a monthly newsletter in which they mentioned the "SUN OUTAGES". They're called "Jones Intercable" and have a very (VERY) small portion of San Diego, CA.

```
--
Scott O'Connell        UUCP: {nosc, ucsd, hplabs!hp-sdd}!crash!ipars!scotto
              ARPA: crash!ipars!scotto@nosc.mil
              INET: scotto@ipars.cts.com
```

```
From 5066555108574784056
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c842fb04d50c885
```

X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-07 20:51:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!zaphod.mps.ohio-state.edu!wuarchive!cec2!sek9424
From: sek9424@cec1.wustl.edu (Scott Eric Keller)
Newsgroups: rec.ham-radio
Subject: Re: unnet (was Re: College ARC's)
Message-ID: <1990Mar8.045141.17819@cec1.wustl.edu>
Date: 8 Mar 90 04:51:41 GMT
References: <1990Feb26.040252.10692@cec1.wustl.edu> <11628@cadnetix.COM>
Sender: news@cec2 (USENET News System)
Reply-To: sek9424@cec2.wustl.edu (Scott Eric Keller)
Organization: Washington University, St. Louis, MO
Lines: 26
Posted: Thu Mar 8 05:51:41 1990

Well, I guess I now understand why everyone hates contests so much. I tried in vain to convene the College Net despite the DX contest. Besides having to spend quite a bit of time trying to wedge myself into a nearby frequency I had the pleasure of one OF explaining to me how all nets get closed down for contests. Arrgh!

In any case, I wish to try this net again. However, I think it would be best to wait a few weeks. These next couple of weeks fall within most schools spring breaks. Plus, the weekend of the 24th is CQWW and I have given up fighting international mayhem for the moment. I propose we retry this on the last weekend in March. Thats Saturday, March 31 at 1800Z on 28.425+-. My apologies to Rusty - I have known of your net and have tried to catch it a few times with no luck. Perhaps I'll try this weekend.

I will post a short reminder prior to the end of the month.

Scott

BTW: are any of the College ARC's interested in a radio chess match between our respective clubs?
--
Scott Keller (KA0WCH) - Permanent Undergrad - Dept. of Computer Science
Wa$hington Univer$ity - St. Louis, Mo. USA
Internet: sek9424@cec2.wustl.edu   UUCP:ihnp4!wucec2!sek9424 (I think...)
The opinions represented here are mine and mine alone, not Wa$h. U's.

From -7304830263165336291
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,55bff27de72e05b0,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-07 23:42:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!cs.utexas.edu!asuvax!stjhmc!f1.n234.z1.fidonet.org!Jim.Grubs
From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio

Subject: Forgiving the League for Incentive Licensing
Message-ID: <14302.25F60E20@stjhmc.fidonet.org>
Date: 8 Mar 90 07:42:09 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 20
Posted: Thu Mar 8 08:42:09 1990

> From: karn@ka9q.bellcore.com (Phil Karn)
>
> My division director, Steve Mendelsohn WA2DHF, is someone with whom I
> often
> disagree. However, he has found the perfect response to those who have
> held
> a grudge against the League for the past quarter century because of the
> League's support for Incentive Licensing.
>
> "Well, it looks like you've forgiven the Japanese. Why can't you forgive
> the
> League?"

Because the War in the Pacific is over....

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

From -6011450460025399694
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,71ccba4c84034456
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-08 07:55:57 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!trey
From: trey@ut-emx.UUCP (Trey Garlogh)
Newsgroups: rec.ham-radio
Subject: Re: Bad operators and dangerous DXing
Keywords: contests RFI guns
Message-ID: <25725@ut-emx.UUCP>
Date: 8 Mar 90 15:55:57 GMT
References: <9003021656.AA29819@ucbvax.Berkeley.EDU> <656@west.West.Sun.COM>
<223@prdmgt.Columbia.NCR.COM>
Organization: The University of Texas at Austin, Austin, Texas
Lines: 41
Posted: Thu Mar 8 16:55:57 1990

In article <223@prdmgt.Columbia.NCR.COM>, flake@prdmgt.Columbia.NCR.COM (Joe
Flake) writes:
> >>... about 5 contacts, during which he never said his call.
>
>   But then again, there's something wrong with the

> operator who hasn't the foggiest idea who the station on the
> other end of the pile-up is, but jumps in to work them. That's
> poor operating practice too IMHO. There's a pile-up of stations
> who have listened long enough (perhaps longer than they should
> if the other operator doesn't give his call very often) to know
> who's on the other end, and here comes some schmuck with more
> kw than patience who jumps in to work the station.

I disagree with 100% of this. I think there is something really wrong with this attitude that the DX operator's time is more valuable than mine. The DX contest operator is a just guy with a radio, the same as me and everybody else on the band.

> The ones
> who stand on the outskirts of the pile up yelling "your call [please]"
> with no call of their own are about half a step worse than those
> who work the station then try to figure out who they worked.

I disagree with 50% of this. I put those frustrated people on a par with the DX station who is also not signing his call, although I secretly believe the DX station is getting what he deserves when he lets this happen *during a contest.*

I'm all in favor of DX stations increasing their throughput, but not at the expense of selfishly wasting the time of others. I consider the "but it improves my throughput" argument similar to someone saying "when I work a station in heavy QRM and I miss part of his call, it is more expedient to select a few random letters and fill in the parts that I missed."

The ultimate irony in all this is that these ops often spend more time saying things like "Q-S-L Q-R-Z" than it would if they would just say their callsign "X-E-2-blah-blah."

Trey Garlough
Computation Center, University of Texas, Austin, Texas 78712
trey@emx.CC.UTEXAS.EDU (internet) (512-471-3241)

From -3911471936652775166
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,26bd3264b350170f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-28 16:54:17 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!usc!apple!bionet!hayes!usenet
From: fnddr@acad3.fai.alaska.edu
Newsgroups: rec.ham-radio
Subject: Who lives near 30 MHz?
Message-ID: <1990Mar1.020823.26931@hayes.fai.alaska.edu>
Date: 1 Mar 90 00:54:17 GMT
Sender: usenet@hayes.fai.alaska.edu (news 'R' us)
Organization: University of Alaska Fairbanks
Lines: 15

Posted: Thu Mar 1 01:54:17 1990

We've had a chronic problem with our riometer (gadget which monitors cosmic background noise near 30 MHz) picking up signals instead of noise when the skip is good. I've monitored the frequencies off and on, and sometimes I can hear some very faint broadcast stations in the 29-30 MHz range. They are generally too faint to hear what is said, but sometimes one is strong enough to identify the language as a slavic variety. Perhaps a Soviet home service? If anyone has any loggings between, say, 29.8-30.2 MHz, I'd be very interested in hearing about it.
Thanks,
Don Rice, KL7JIQ

```
----------------
Don Rice                                  Internet: fnddr@acad3.fai.alaska.edu
Geophysical Institute                     E-mail:   fnddr@alaska.bitnet
University of Alaska                      Phone:    (907) 474-7569
Fairbanks, AK 99775                       Loran:    64.86N 212.16E
```

From -1592569997783293961
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,427ead60cebdbeec,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-28 16:55:00 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!cica!iuvax!silver!barkeyp
From: barkeyp@silver.ucs.indiana.edu
Newsgroups: rec.ham-radio
Subject: Re: Toroid Cores
Message-ID: <12600092@silver>
Date: 1 Mar 90 00:55:00 GMT
References: <1410@unsvax.NEVADA.EDU>
Organization: Indiana University CSCI, Bloomington
Lines: 10
Nf-ID: #R:unsvax.NEVADA.EDU:-141000:silver:12600092:000:106
Nf-From: silver.ucs.indiana.edu!barkeyp   Feb 28 19:55:00 1990
Posted: Thu Mar 1 01:55:00 1990

Another good source is:

Radiokit
PO Box 973
Pelham, NH 03076
(718) 437-2722

Pat
WA8YVR

From -9041791592509673680
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7499f2f0eddaaa9a

```
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,7499f2f0eddaaa9a
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-02-28 19:32:57 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!think!zaphod.mps.ohio-state.edu!
unix.cis.pitt.edu!ronc
From: ronc@unix.cis.pitt.edu (Ranjan Chatterjee)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Shortwave Radio from DAK
Message-ID: <22622@unix.cis.pitt.edu>
Date: 1 Mar 90 03:32:57 GMT
References: <82989@philabs.Philips.Com>
Reply-To: ronc@unix.cis.pitt.edu (Ranjan Chatterjee)
Organization: The Zets
Lines: 16
Xref: gmdzi rec.ham-radio:9906 rec.radio.shortwave:629
Posted: Thu Mar  1 04:32:57 1990
```

I received a catalog from a mail order firm in Cagona Park in California
called DAK. They are selling a Digital PLL Tuning Shortwave radio having

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     AM -(530-1630)KHz
     SW - (3200-21750)KHz
     FM - 87.5-108 MHz
```

It also has 20 preset memory, clock/alarm/timer. Ext. Antenna jack,
Illuminated LCD display.....All for US$50.00. The price seems too
good to be true. Does anyone have any information on this product
or the company ? There number is 1-800-325-0800.

Any information on this would be appreciated.

Thanks,
Ranjan

```
From -5363642231577949648
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d3e3fc875f98575
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-28 21:11:04 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!atha!rwa
From: rwa@cs.AthabascaU.CA (Ross Alexander)
Newsgroups: rec.ham-radio
Subject: Canadian Amateur Class Nomenclature
Summary: geez, phil, aren't you reading my postings?
Message-ID: <1728@aurora.AthabascaU.CA>
Date: 1 Mar 90 05:11:04 GMT
References: <499@ssc.UUCP> <30500429@ux1.cso.uiuc.edu>
Organization: Athabasca University
Lines: 34
Posted: Thu Mar  1 06:11:04 1990
```

In article <30500429@ux1.cso.uiuc.edu>, phil@ux1.cso.uiuc.edu writes:
> Why is it that the Canadian license was called "digital"
> when it in fact was really a "nocode" license?

It was called digital because there's a big essay format component on the exam that is 100% concerned with digital issues (queueing theory, information theory, packet and networking ideas, modulation & encoding, & c.) How come you're so concerned to make sure everyone calls it a "no code" ticket? It doesn't have anything about disco dancing either - shouldn't it be a "no-disco" ticket?

What I mean here is that you seem to be more preoccupied with what the class is _not_ than with what it _is_. Classification by negatives is not, IMHO, a very useful activity. You wrote a CW exam, which is honourable, and you can run packet if you like, which I find strange.

I wrote a packet exam, a regs-and-operations exam, and an electronics exam. A general writes the same regs-and-operations, a less rigourous electronics exam, and a CW exam. I think the setup in either case is good in that it wants to see demonstrable proficiency in the mode(s) that the ham wants to run.

Do you see me going around calling generals "no-packet" and making out that they're some lower form of life? Why are you so eager to point out my (admitted - CW is a useful mode and an art) shortcomings? Jealous, maybe?

> How much effort was made by already licensed hams to get new hams to join
> the hobby?

The already-licensed hams _I_ knew encouraged me to go for Digital.
--
--
Ross Alexander   (403) 675 6311   rwa@aungbad.AthabascaU.CA   VE6PDQ

From 7027843473612992566
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,172dbf36f88c68de
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-28 22:36:20 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!samsung!zaphod.mps.ohio-state.edu!usc!ucsd!nosc!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley__Wb6wui)
Newsgroups: rec.ham-radio
Subject: Re: FCC Petitions
Message-ID: <1700@crash.cts.com>
Date: 1 Mar 90 06:36:20 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 13
Posted: Thu Mar 1 07:36:20 1990

By including the copies, you are including in the official commenter file and you will get responses to comments from the petioner. Sorry, no solid info on status

==========================

Mike Shirley, WB6WUI
PO Box 460
Lakeside, CA 92040-0460

UUCP: {hplabs!hp-sdd ucsd nosc}!crash!pnet01!mikey
ARPA: crash!pnet01!mikey@nosc.mil
INET: mikey@pnet01.cts.com

===

From -4583444780879158855
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,214296a00b65633e
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-28 23:52:22 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!mips!max!crisp
From: crisp@mips.COM (Richard Crisp)
Newsgroups: rec.ham-radio
Subject: Re: Radio Memory Failure
Keywords: reprogramming 270 channels
Message-ID: <36557@mips.mips.COM>
Date: 1 Mar 90 07:52:22 GMT
References: <1471@raybed2.ray.com>
Sender: news@mips.COM
Reply-To: crisp@mips.COM (Richard Crisp)
Organization: MIPS Computer Systems, Sunnyvale, CA
Lines: 21
Posted: Thu Mar 1 08:52:22 1990

In article <1471@raybed2.ray.com> ewb@raybed2.ray.com (EUGENE BALINSKI) writes:

>This is done as a public service announcement:
>
>A few days ago we had a line of thunderstorms roll through New Hampshire. As
>I usually do during this type of weather I unplugged the PRO-2004 from the
>wall and the antenna. Well I went to use it yesterday after about 4 days
>un-plugged and guess what ?? That's right. All of the memories had been wiped
>clean ! Now I have to go through and re-program 270 or so channels and 10
>scan bank channels :-(I stoped and thought for a minute and I could not
>remember ever replacing the memory back up battery.
>
>So the moral of the story is this: CHECK YOUR MEMORY BACK-UP BATTERIES
>
>   73
>   Gene WA1UXA

Gee if the PRO2004 only allowed you to down load / upload the memories via
a serial port......

--
Making the world safe for technocracy.

From -4629627112210193031
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4c9b93bedccf07cb,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-01 01:45:37 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!ibma.nerc-wallingford.ac.UK!PJML
From: PJML@ibma.nerc-wallingford.ac.UK ("Pete Lucas, NCS-TLC, Swindon U.K.")
Newsgroups: rec.ham-radio
Subject: Transistor identification.
Message-ID: <01.Mar.90.09:49:16.GMT.#2933@UK.AC.NWL.IA>
Date: 1 Mar 90 09:45:37 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Thu Mar 1 10:45:37 1990

I need help identifying a couple of transistors. They are marked 'GM0290A',
have a Texas Instruments logo, and 4 connecting leads. They are in the
front-end of a VHF radio - they look like RF amplifiers to me.
No part-numbers like these appear in my TI catalog.
What are they? PNP, NPN, Silicon, Germanium? In view of the age of the
equipment (early 1960's) i would guess Germanium PNP but i want to be sure...

///Pete

From 3233000763665778700
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c19fc4667c712fb5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-01 02:39:59 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Here lies Ham Radio...
Message-ID: <30500430@ux1.cso.uiuc.edu>
Date: 1 Mar 90 10:39:59 GMT
References: <7880126@hpfcdc.HP.COM>
Lines: 36
Nf-ID: #R:hpfcdc.HP.COM:7880126:ux1.cso.uiuc.edu:30500430:000:1590
Nf-From: ux1.cso.uiuc.edu!phil   Feb 28 20:34:00 1990
Posted: Thu Mar 1 11:39:59 1990

> I'm sorry folks,
> I just can't help but feel that Morse Code is only a barrier to

```
> getting into Amateur radio if you have "NO DICIPLINE".  I have never
                                          ^^^^^^^^^^^^^^
> had anyone approach me wanting to get into radio that just could
> not get the code.  A six year old can do it (i did), non-technical
> folks can do it (my friends have) so what is the problem here??
> This "lower-the-water" instead of raise the bridge attitude just
> smacks of lack of dicipline.
                    ^^^^^^^^^

How about a SPELLING test?

If you had any discipline at all you would learn to spell better.

> I'm sorry folks,
> I just can't help but feel that Morse Code is only a barrier to
> getting into Amateur radio if you have "NO DICIPLINE".  I have never
                                                          ^^^^^^^^^^^^
> had anyone approach me wanting to get into radio that just could
  ^^^^^^^^^^^^^^^^^^^^^^
> not get the code.  A six year old can do it (i did), non-technical
> folks can do it (my friends have) so what is the problem here??
> This "lower-the-water" instead of raise the bridge attitude just
> smacks of lack of dicipline.

And if you had, it would not have changed your attitude, but rather you
would have just given them all the standard lectures on discipline.

I have my own kind of discipline.  It works like this: if it's something
I know I won't want to do or finish, I won't start it in the first place.
I guess I broke discipline when I took the Novice code test.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>


From 3252940395877389302
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b7cbe0c8229de5c2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-01 05:58:04 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!asuvax!stjhmc!
f1.n234.z1.fidonet.org!Jim.Grubs
From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Devil in CW
Message-ID: <13719.25ED2D25@stjhmc.fidonet.org>
Date: 1 Mar 90 13:58:04 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 34
Posted: Thu Mar  1 14:58:04 1990
```

> From: lyndon@cs.AthabascaU.CA (Lyndon Nerenberg)
>
> sorgatz@ttidcb.tti.com (Erik Sorgatz - Avatar) writes:
>
> > Oh yes there is! The very idea that someone "needs" 20 WPM skills in CW
> to
> >be granted an EXTRA is old-age thinking.
>
> And considering that hardly anyone builds their own gear any more,
> I think the very idea that someone "needs" the electronic skills to
> pass the technical portion of the exam to be granted an EXTRA is
> old-age thinking.

I hate to say it, but that's probably true. The original idea behind testing at all was to make sure you didn't cause harm by interfering with other services. Additional testing for higher grades was instituted because improperly adjusted 'phone' transmitters could cause havoc. Later the FCC decided that was obsolete thinking. Later, the ARRL that came up with the quaint notion that a 'classless' society was 'unamerican' and persuaded the FCC to reinstitute "incentive licensing'.

Today, with modern radios, the only testing truly necessary from the administrative point of view is on rules and regulations and perhaps some operating procedures. Anything else is more for social rather than technical reasons. The remaining question is which social benefits you consider important for best results and to achieve them. Obviously, the present junk on many ham bands shows the present system isn't working as intended.
73 de Jim Grubs, W8GRT

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

From -3535727403530837O5
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,15cfc81fad31a946,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-01 05:58:13 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!cs.utexas.edu!asuvax!stjhmc!f1.n234.z1.fidonet.org!Jim.Grubs
From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Broadcasting Video from RC Plane
Message-ID: <13720.25ED2D27@stjhmc.fidonet.org>
Date: 1 Mar 90 13:58:13 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 20
Posted: Thu Mar 1 14:58:13 1990

```
 > From: music@hpfcmgw.HP.COM (John Wells)
 >
 > / hpfcmgw:rec.ham-radio / jokim@jarthur.Claremont.EDU (John H. Kim) /
 > 12:28 pm  Feb 19, 1990 /
 >
 > Recently, on TV, I saw someone using a radio controled (RC) airplane
 > with a video camera mounted on it.    ...........  I came up with what
 > I think is a rather innovative use for this (well if you must know, as
 > a spotter plane for deep sea fishing-- .... etc...
```

NTSC video for spotting fish? I doubt that's the best solution to the problem anyway.

73 de Jim Grubs, W8GRT

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

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From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
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 > From: jenglish@tardis.Tymnet.COM (Jim English)
 >
 > In article <90021702470478@masnet.uucp> dean.milner@canremote.uucp (DEAN
 > MILNER) writes:
 >
 > Subject: Re: Need old Hammarlund coils
 >                        ----
 >                        ^^^^ is this where the term
 >                             'Ham Radio' originated?
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No. Noone knows for certain where the term originated, but it does pre-date the Hammarlund Co.

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Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

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From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Canadian digital to advanced upgrade
Message-ID: <13722.25ED2D2A@stjhmc.fidonet.org>
Date: 1 Mar 90 13:58:26 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 29
Posted: Thu Mar 1 14:58:26 1990

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 > From: lyndon@cs.AthabascaU.CA (Lyndon Nerenberg)
 >
 > On Sep't 1, 1990, the Canadian Amateur licenses will be restructured.
 > There will be a "new" license with four levels. They are:
 >
 >        BASIC          250 watts on amateur frequencies 30 MHz
 >                       and up using commercial transmitting
 >                       equipment only. (No code requirement)
 >
 >        BASIC+5WPM     As above, plus all modes on 1.8-2.0 and
 >                       3.5-4.0 Mhz.
 >
 >        BASIC+12WPM    As above plus all modes on all remaining
 >                       Amateur bands.
 >
 >        ADVANCED       As above, plus use of homebrew transmitting
 >                       equipment, maximum legal power, and the
 >                       right to own (?) and operate repeaters and
 >                       remote base stations.
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Neat! We should do it just like that here, too.

73 de Jim Grubs, W8GRT

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Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

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From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: NPRM 90-55, Part 1 of 9
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Lines: 128
Posted: Thu Mar 1 14:58:36 1990

"Robert Carpenter, you asked for it..."

PR Docket No. 90-55

In the Matter of

Amendment of Part 97 of the RM-6984 RM-6985
Commission's Rules Concerning RM-6986 RM-6987
the Establishment of a Codeless RM-6088 RM-6989
Class of Amateur Operator License. RM-6990 RM-6991
RM-6992 RM-6993
RM-6994 RM-6995

NOTICE OF PROPOSED RULE MAKING

Adopted: February 8,1990;   Released: February 16, 1990

By the Commission:

I. INTRODUCTION

1. In this Notice of Proposed Rule Making (Notice), we propose to establish a new class of amateur operator license that would not require the applicant to prove that he or she can send and receive manual Morse code telegraphy messages. This proceeding was initiated by twelve petitions for rule making filed on matters generally relating to the amateur operator license class structure, requirements, and privileges./1

II. BACKGROUND

2. The amateur service exists for the purpose of self-training, intercommunication and technical investigations carried out by duly authorized persons interested in radio technique solely with a personal aim and without pecuniary interest./2 Article 32 of the international Radio

Regulations requires, among other things, that each person seeking a license to operate the apparatus of an amateur station prove that he or she has the ability to send correctly by hand and to receive correctly by ear text in Morse code signals. Although this requirement may be waived for an operator of an amateur station transmitting only on frequencies above 30 MHz/3, each of the five classes of operator licenses issued by the Commission/4 requires the applicant to pass an examination in the international Morse code./5

3. Over the years the Commission has received requests from persons who want to pursue the purposes of the amateur service, but who argue that Morse code telegraphy is an unnecessary barrier to obtaining a license. Historically, however, the amateur community has strongly supported a telegraphy skill requirement for every class of amateur operator license. In a 1974 rule making proceeding,/6 and again in a 1983 rule making proceeding,/7 amateur licensees showed nearly unanimous opposition to proposals for a no-code license.

4. In the 1974 rule making proceeding, we proposed an overall restructuring of the classes of amateur operator license. Included in those proposals was the establishment of a codeless class of license. Although it resulted in several improvements to the license structure, the proceeding was terminated without action on the codeless license class./8 It was during the pendency of this proceeding that the computer-aided license application processing system currently in use was developed. The capability for processing a sixth class of license, therefore, was incorporated into the design for the system. In the 1983 rule making proceeding, the Commission again sought ways to provide a class of codeless license. One proposal was the deletion of the slow speed telegraphy examination requirement for the Technician Class license./9 The alternative proposal was a new operator license class patterned after a Canadian codeless class of amateur license, and having very difficult written examination requirements. This proceeding was also strongly opposed by the amateur community and was terminated without action./10 The above-listed petitions initiating this proceeding, however, indicate that the sentiment in the amateur community now appears to favor a code less license class. The ARRL, for example, states that it now supports a codeless license as being "beneficial to the future, short and long term of the Amateur Service"/11 The issue of a codeless class of amateur operator license, therefore, should be considered in light of current circumstances in the amateur service.

III. DISCUSSION

5. A significant segment of the amateur community has a new view of the role of telegraphy in the future of the service. David Stall states that "numerous recent surveys

have demonstrated that the concept of a no-code license is rapidly attracting a wide base of support within the amateur community."/12 The ARRL states that its recent studies show:

> Encouraged by changes in the FCC rules, packet radio and other digital modes have become extremely popular and have led to amateur radio becoming increasingly attractive to computer-literate individuals who possess the ability to contribute significantly to the service, but who fail to perceive the relevance of manual Morse code. Many amateurs welcome the idea of providing a gateway to these individuals. The possibility now exists to dispassionately evaluate a codeless amateur license on its own merits. It is this factor that accounts for what the League perceives as a significant shift in attitudes among amateurs toward a codeless amateur license./13

6. The SCATG states that the time is right for a codeless class of license:

> Morse code operations were once the only way to make radio communications possible. It is now just a facet of an entire spectrum of possible methods of radio communications. It is no longer in keeping with the basis and purpose of the Amateur Radio service to stress one facet of radio communications over all others. Knowledge of code doesn't eliminate rules violations or uncourteous operations./14

7. Burt Fisher, a teacher of electronics at a regional high school, states "the public need would best be served

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Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

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From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
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Subject: NPRM 90-55, Part 2 of 9
Message-ID: <13724.25ED2D2E@stjhmc.fidonet.org>
Date: 1 Mar 90 13:58:42 GMT

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Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 125
Posted: Thu Mar 1 14:58:42 1990

if there were a door into amateur radio that had a limited code requirement. Once in the door, these youngsters would be tempted to the rest of the world (and technology) of amateur radio. The public would be served as the base of potential scientists and technicians would be enhanced...." He believes that a written examination could be used to ascertain that an entry level license applicant has knowledge of telegraphy./15 Michael Trahos believes that it is essential to have a codeless beginner license so that the amateur service will not stagnate or experience a decrease in the number of licensees. He believes that if a codeless license is not established, the number of licensed amateur operators will decrease, with a consequent increasing re-allocation of amateur service spectrum by the Commission to the land mobile services./16

8. John McCord believes a codeless class of license would "attract many young minds to the hobby of amateur radio...."/17 Dennis and Linda Welch find the issue of a codeless class of license contentious and defended mostly by the older amateurs and championed by the very population needed for expansion./18 Bill Welsh, who has a personal preference for code operation, foresees "that its years as a realistic amateur radio licensing requirement are coming to an end."/19 James E. Taylor states that telegraphy is no longer necessary and that the number of amateur operators must be drastically increased in order to "continue to justify our existence."/20 Clement Bourgeois, however, disagrees. He states that a knowledge of telegraphy by every amateur operator is essential. He does believe, however, that the high speed telegraphy examination/21 should be reduced to 15 words-per-minute or less. Larry Ballentine suggests that telegraphy examinations only require the examinee to recognize telegraphy characters, rather than to send and receive text at specific rates of speed./23

9. Operator license structure. The petitions espouse various views on the structure of the license ladder. The general consensus, however, is that a codeless class of license should be the beginning step on the ladder. The ARRL believes that there is nothing antiquated or irrelevant about the Morse code, or its use in the Amateur Radio Service, but that this is a "matter that some individuals must learn for themselves, in order to appreciate that relevance."/24 Most of the petitions favor a structure that avoids any negative effect upon any current licensee. One approach would add a sixth class of operator license. David Stall recommends this approach, with

the sixth class modeled after the Novice Class, without the telegraphy requirement. He believes that a codeless license should provide "a no-code entry into amateur radio without disrupting the existing classes, privileges, or incentives."/25 Burt Fisher also favors the sixth class approach,/26 as does ARRL, with the codeless class positioned in the license structure so that there is an upward path "to the present Technician license by way of a five words per minute Morse code examination...."/27

10. Another approach taken in the petitions is to preserve the current five class structure by conversion of the Novice Class to a codeless class. John McCord, for example, recommends elimination of the telegraphy requirement for the Novice license./28 In addition to conversion of the Novice Class, Dennis and Linda Welch also suggest a merger of the Technician and General Classes./29 The SCATG recommends that the Novice Class be gradually replaced by a non-renewable codeless class that would "minimally disrupt the existing license structure to avoid disenfranchising current licensees. ... [t]he new license should avoid isolating the newcomer from the mainstream of amateur radio operators and operations while maintaining the incentive to upgrade and providing attractive privileges for the newcomer...."/30

11. Other petitions suggest major revisions to the license class structure. James Taylor states that prospective amateur operators "are put off by the present complex, layered structure of our hobby...." He suggests one all-purpose operator class./31 Alan Horowitz suggests "a no-code ham license, similar to Canada's license structure."/32 Michael Trahos, however, states that "[t]he Canadian no-code experience has clearly shown that creation of a no-code license class with examination requirements greater than that of the lowest available code license class fails to promote interest in, or insignificantly increases, the number of licensed amateur radio operators."/33 He suggests, instead, two new codeless classes./34 Bill Welsh believes that emission mode privileges should be earned "by passing written and on-the-air operating tests that are directly related to the desired additional emission/mode privilege being sought."/35 He suggests that all frequency segments now offered as incentives be eliminated./36

12. Operator privileges. The petitions generally concur that, as a minimum, a station control operator holding a codeless class of license be authorized all emission privileges on the 1.25 meter (m) and shorter wavelength bands. For the longer wavelength bands, however, there are several views, starting with James Taylor's recommendation that all possible privileges be authorized to the codeless class./37 Michael Trahos and SCATG recommend including the 6 m and 2 m bands./38 Burt Fisher recommends authorizing the 52-54 MHz segment in the 6 m band. He also recommends including the 2 m band, but

excluding emission F3E on that band./39 The ARRL recommends excluding operation on both the 6 m and 2 m bands./40 Dennis and Linda Welch,/41 David Stall,/42 and John McCord make recommendations similar to those of the ARRL. John McCord, however, suggests including digital type emission privileges on the 6 m and 2 m bands./43

13. The petitions recommend that the eligibility for the codeless class of license, like all amateur operator licenses, require the passing of a written examination. The ARRL states that the written examination should reflect the privileges to be earned and require a greater commitment than does the present Technician class written examination. It believes that the lessons learned from codeless license programs in other countries necessitate a significant written examination. The ARRL recommends, therefore, that a written examination for the codeless license be administered under the Volunteer Examiner Coordinator (VEC) system. The ARRL also recommends a 60 question written examination consisting of the current 55 question

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Internet: Jim.Grubs@f1.n234.z1.fidonet.org
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written examination for the Technician Class Operator license, augmented by five additional questions related to the specific privileges afforded the codeless licensees. Two of the new questions would be concerned with the application and use of telegraphy and the remainder would be concerned with digital communication techniques./44 The SCATG states that the written examination should consist of 50 questions./45

14. The petitions also suggest names for a new codeless

class of license. The SCATG suggests "Apprentice."/46 Burt Fisher suggests "Novice-V."/47 Michael Trahos suggests "Novice-Plus" and "Technician-Plus."/48 David Stall suggests "Limited."/49 The ARRL states that its suggested name "Communicator," although "not exactly reflective of the type of license envisioned in the proposal... is, however, the most descriptive among those alternatives considered."/50

IV. PROPOSAL

15. We believe that the petitions have merit. Further, like the petitioners, we believe that this is a propitious time to propose the establishment of a codeless license, given the advances in electronic communications in the past few years. We propose, therefore, to establish a codeless class of amateur operator license, the Communicator Class. With respect to this proposed operator class, we have established three objectives. Our first objective is to offer an entry level license opportunity to all persons who find the telegraphy requirement a barrier to pursuing the purposes of the amateur service. Our view is best expressed by the statement of the ARRL that "the goal of the codeless amateur license is to bring such licensees into the 'mainstream' of the Amateur Radio Service, and to encourage them to upgrade their license class."/51 Our second objective is to propose a type of license that can be implemented quickly if a decision is made to proceed. Our third objective is to avoid any negative effect upon current licensees, upon the work of the volunteer examiners, or upon the Commission's workload or resources. To preclude any impact on our resources, it is imperative that our existing computer-aided application processing system be utilized "as is."/52 The proposed rule amendments are contained in the attached Appendix.

16. In proposed Sections 97.501 and 97.503(b)1), we would require that the applicant for a Communicator Class license pass a 60 question written examination, as requested by ARRL. In sum, there would be an expanded entry level examination and corresponding question pool. We concur with ARRL that the written examination for the Communicator Class license should correspond to the privileges for that class of license./53 The new question pool would be comprised of the questions from the two pools currently used in the Novice and Technician license examinations, and new questions as requested by ARRL./54 By incorporating existing questions, over 91 percent of the question pool for a Communicator Class license would already be available and would help facilitate a smooth transition./55

17. Operator license structure. In proposed Section 97.9. we would incorporate the Communicator Class in a simplified license structure containing four ascending steps: Communicator, General, Advanced, and Amateur Extra

Classes, Current Technician and Novice Class operator licenses would be grandfathered indefinitely. There would be no new licenses issued for those license classes, but existing licenses could be modified or renewed. This approach would meet the objectives we established in paragraph 15. Dennis and Linda Welch, John McCord, and SCATG suggested preserving the five-step ladder by eliminating the telegraphy examination requirement from the Novice class license. This approach deserves careful consideration by the amateur community because of its simplicity. We did not propose this approach because of its disadvantage of lowering the license qualification standards for the Novice operator class. As such, it may be unacceptable to the hundreds of thousands of amateur operators, including the 85.000 current Novice Class licensees, who qualified for the Novice license by passing a telegraphy examination. The Novice Class has operating privileges below 30 MHz, necessitating the need for a knowledge of telegraphy as described in paragraph 2.

18. For future licensees, the Communicator Class license would be the first step in the license structure instead of the Novice Class. Our premise is that most newcomers to the service, given the choice, would elect to qualify for the Communicator Class license rather than the Novice Class license. There would, therefore, no longer be a need for the Novice Class license. We particularly invite instructors, volunteer examiners (VEs). and VECs to submit comments on the validity of this premise, including factual information on the time and effort that would be required for persons to prepare for the proposed 60 question Communicator Class written examination as compared to the time and effort currently required for the Novice Class 30 question written examination and telegraphy examination.

19. Because the written examination for the Communicator Class license would be more comprehensive than that of the Technician Class license, the Communicator Class would also serve in the stead of the Technician Class for future licensees. Each step in the proposed four step structure provides recognition that the holder has significantly advanced his or her skills in both the communication and technical phases of the radio art./56 This structure could be rapidly implemented. The present license application processing system and license application form would continue to be used./57

20. Operator privileges. The proposed control operator privileges of the Communicator Class would generally be those suggested by the ARRL. The privileges would include all authorized emission types. The proposed transmitter power standard would be 200 watts peak envelope power. The licensee's station would be eligible for a Group D call sign./58 Stations with Communicator Class control operators would not be permitted to transmit on

the 2 m and 6 m bands. In view of ARRL's desire to bring the codeless class into the mainstream of the amateur service,/59 however, we particularly invite comment on the effect of excluding Communicator Class licensees from these two popular bands.

21. The ARRL stated that one premise for its petition

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Internet: Jim.Grubs@f1.n234.z1.fidonet.org

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was that an accommodation should be made for codeless class licensees to upgrade their license class. It cited countries that have codeless licenses where the written examination tests the examinee's technical qualifications. The ARRL stated that amateur service societies in countries such as Australia, the Federal Republic of Germany, and Belgium report ongoing telegraphy activities among the codeless class licensees working to upgrade the license class./60 While the proposed Communicator Class privileges include telegraphy on the 1.25 meter and shorter wavelength bands, we recognize that telegraphy operation is more closely associated with the HF bands. The opportunity for newcomers to the amateur service actually to send and receive messages in the Morse code on small segments of the HF 80, 40, 15, and 10 meter bands is provided to the Novice and Technician Classes so that those operators can gain an appreciation of telegraphy and acquire the proficiency needed to pass the telegraphy examination for the General Class operator license. We specifically request comments, therefore, concerning the desirability of including the opportunity for Communicator Class licensees also to experience on-the-air telegraphy operation on the HF bands. In view of our obligation under the provisions of the international Radio Regulations,/61 if it is desired, only domestic communications on the HF bands would be authorized.

22. Under proposed Section 97.301(g), a Communicator Class licensee who passes, or otherwise receives credit for a telegraphy examination, would be authorized the additional privileges of the Technician Class./62 To avoid a license processing burden, however, the documentation of the passing of, or credit for, a telegraphy examination would be evidenced by the Certificate of Successful Completion of Examination (CSCE) issued by the administering VEs,/63 rather than by the issuance of a Technician Operator license. The indicator used by the Communicator Class for identification purposes would be AC./64 Under proposed Section 97.505(a)(1), VEs would be authorized to grant examination credit, evidenced by a CSCE, to a Communicator Class examinee for the slow speed telegraphy examination when the examinee holds a Novice Operator license./65 That combination, Communicator Class license and CSCE, would permit the Communicator Class licensee the same rights and privileges of the Technician Class operator. The VECs would provide listings, in paper or magnetic form, of the Communicator Class licensees who have been issued the CSCE.

23. Volunteer examiners. The instant proposal contains substantive changes in the amateur operator license examination procedure and the issuance of amateur operator licenses and CSCEs. All operator license examinations would be administered under the VEC system./66 The additional task of administering the Communicator Class license would be offset by the elimination of other tasks, including the discontinuance of the two examiner system for the Novice Class license./67 The coordination and oversight by the VECs provide more credible results than does the two examiner system. In the latter, examination administration errors are more common and cheating is a greater problem than in the VEC system. The task of administering new Technician Operator Class licenses would also be discontinued./68 The Novice and Technician written examinations would no longer be prepared and administered as separate examinations. The VEs and VECs, moreover, could be reimbursed for out-of-pocket costs incurred in connection with all examinations./69

V. CONCLUSION

24. We believe that this proposal would achieve the objectives set forth in paragraph 15 above. We seek comments, therefore, on the proposed revisions to Part 97 to establish a Communicator Class Operator license for the amateur service, as set forth in the attached Appendix.

VI. PROCEDURAL MATTERS

25. For purposes of this non-restricted notice and comment rule making proceeding, members of the public are advised that ex parte presentations are permitted except during the Sunshine Agenda period. See generally 47 C.F.R. 1.1206(a). The Sunshine Agenda period is the period of time which commences with the release of a public notice that a matter has been placed on the Sunshine Agenda and terminates when the Commission (1) releases the text of a decision or order in the matter; (2) issues a public notice stating that the matter has been deleted from the Sunshine Agenda; or (3) issues a public notice stating that the matter has been returned to the staff for further consideration, whichever occurs first. 47 C.F.R. 1.202(f). During the Sunshine Agenda period, no presentations, ex parte or otherwise, are permitted unless specifically requested by Commission or staff for the clarification or adduction of evidence or the resolution of issues in the proceeding. 47 C.F.R. 1.1203.

26. In general, an ex parte presentation is any presentation directed to the merits or outcome of the proceeding made to decision-making personnel which (1) if written, is not served on the parties to the proceeding, or (2), if oral, is made without advance notice to the parties to the proceeding and without opportunity for them to be present. 47 C.F.R. 1.1202(b). Any person who makes or submits a written ex parte presentation shall provide on the same day it is submitted two copies of same under separate cover to the Commission's Secretary for inclusion in the public record. The presentation (as well as any transmittal letter) must clearly indicate on its face the docket number of the particular proceeding to which it relates and the fact that two copies of it have been submitted to the Secretary, and must be labeled or captioned as an ex parte presentation. 47 C.F.R. 1.1206.

27. Any person who is making an oral ex parte presentation and presents data or arguments not already reflected in that person's written comments, memoranda, or other previous filings in that proceeding shall provide on the day of the oral presentation an original and one copy of a written memorandum to the Secretary (with a copy to the Commissioner or staff member involved) which summarizes the data and arguments. The memorandum (as well as any transmittal letter) must clearly indicate on its face the docket number of the particular proceeding

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Subject: NPRM 90-55, Part 5 of 9
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Lines: 125
Posted: Thu Mar 1 14:58:52 1990

and the fact that an original and one copy of it have been submitted to the Secretary, and must be labeled or captioned as an ex parte presentation. 47 C.F.R. 1.1206.

28. Authority for issuance of this Notice is contained in Sections 4(i) and 303(l) and (r) of the Communications Act of 1934, as amended, 47 U.S.C. 154(i) and 303(l) and (r). Pursuant to applicable procedures set forth in Sections 1.415 and 1.419 of the Commission's Rules, 47 C.F.R. 1.415 and 1.419, interested parties may file comments on or before August 6, 1990, and reply comments on or before September 7, 1990. All relevant and timely comments will be considered by the Commission before final action is taken in this proceeding. To file formally in this proceeding, participants must file an original and four copies of all comments and reply comments. If participants want each Commissioner to receive a personal copy of their comments, an original and nine copies must be filed. Comments and reply comments must state the proceeding to which they relate (PR Docket Number). They should be sent to the Secretary, Federal Communications Commission, Washington, D.C. 20554. Comments and reply comments will be available for public inspection during regular business hours in the Dockets Reference Room (Room 239) of the Federal Communications Commission, 1919 M Street N.W., Washington, D.C. 20554.

29. In accordance with Section 605 of the Regulatory Flexibility Act of 1980. 5 U.S.C. 605, the Commission certifies that these rules would not, if promulgated, have a significant economic impact on a substantial number of small entities, because these entities may not use an amateur station to transmit any communication the purpose of which is to facilitate the business or commercial affairs of any party. See 47 C.F.R. 97.113(a). Moreover, the proposed rules would not require the use of or significantly enhance the sale of any additional amateur station apparatus.

30. The proposal contained herein has been analyzed

with respect to the Paperwork Reduction Act of 1980. 44 U.S.C. 3501 et seq., and found to increase the information collection burden which the Commission imposes on the public. This proposed increase in the information collection burden is subject to approval by the Office of Management and Budget as prescribed by the Act.

31. A copy of this Notice will be forwarded to the Chief Counsel for Advocacy of the Small Business Administration.

FEDERAL COMMUNICATIONS COMMISSION

Donna R. Searcy
Secretary

APPENDIX

Part 97 of Chapter I of Title 47 of the Code of Federal Regulation is proposed to be amended as follows:

1. The authority citation for Part 97 continues to read as follows:

Authority citation: 48 Stat. 1066, 1082, as amended; 47 U.S.C. 303. Interpret or apply 48 Stat. 1064-1068, 1081-1105, as amended; 47 U.S.C. 301-609, unless otherwise noted.

2. Section 97.9 is revised to read as follows:

97.9 Operator license.

(a) The classes of operator licenses are Communicator, General, Advanced, and Amateur Extra. There are also two grandfathered classes of operator licenses, Novice and Technician. An operator license authorizes the holder to be the control operator of a station with the privileges of the operator class specified on the license. The license document or a photocopy thereof must be in the personal possession of the licensee at all times when the person is the control operator of a station.

(b) A person holding a Communicator Class operator license and who holds a CSCE indicating that the person passed element 1(A), 1(B), or 1(C) is authorized to exercise the rights and privileges of the Technician Class for the duration of the license term and renewal thereof.

(c) A person holding a Novice, Technician, Communicator, General, or Advanced Class operator license who has properly filed with the FCC an application for a higher operator class that has not yet been acted upon, and who holds a CSCF indicating that the person passed the necessary examinations within the previous 365 days is authorized to exercise the rights and privileges of the higher operator class.

3. Section 97.17(a) is revised to read as follows:

97.17 Application for new license.

(a) Any qualified person is eligible to apply for an amateur service license. No new Novice or Technician Class operator licenses will be issued.

4. Section 97.119(e) is revised to read as follows:

97.119 Station identification.

(e) When the control operator is using privileges on the basis of holding a CSCE, an indicator must be included after the call sign as follows:

(1) AC for Communicator Class operator;
(2) AG for General Class operator;
(3) AA for Advanced Class operator; or
(4) AE for Amateur Extra Class operator.

5. Section 97.301(a) is revised and a new paragraph (g) is added to read as follows:

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--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org
```

```
From -2508035813013127964
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7219a137c92f85c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-01 05:58:56 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!brutus.cs.uiuc.edu!samsung!cs.utexas.edu!
asuvax!stjhmc!f1.n234.z1.fidonet.org!Jim.Grubs
From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: NPRM 90-55, Part 6 of 9
Message-ID: <13728.25ED2D37@stjhmc.fidonet.org>
Date: 1 Mar 90 13:58:56 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 123
Posted: Thu Mar  1 14:58:56 1990
```

97.301 Authorized frequency bands.

(a) For a station having a control operator holding a Technician, Communicator, General, Advanced or Amateur Extra Class operator license:

Wavelength band	ITU Region I	lTU Region 2	ITU Region 3	Sharing requirements See 97.303, Paragraph:
VHF	MHz	MHz	MHz	
1.25m	---	222-225	---	(a),(b),(e)
UHF	MHz	MHz	MHz	
70 cm	430-440	420-450	420-450	(a),(b),(f)
33 cm	---	902-928	---	(a),(b),(g)
23 cm	1240-1300	1240-1300	1240-1300	(j)
13 cm	2300-2310	2300-2310	2300-2310	(a),(b),(j)
do	2390-2450	2390-2450	2390-2450	(a),(b),(j)
SHF	GHz	GHz	GHz	
9 cm	---	3.3-3.5	3.3-3.5	(a),(b),(k),(l)
5 cm	5.650-5.850	5.650-5.925	5.650-5.850	(a),(b),(m)
3 cm	10.00-10.50	10.00-10.50	10.00-10.50	(b),(c),(i),(n)
1.2 cm	24.00-24.25	24.00-24.25	24.00-24.25	(a),(b),(i),(o)
EHF	GHz	GHz	GHz	
6 mm	47.0-47.2	47.0-47.2	47.0-47.2	
4 mm	75.5-81.0	75.5-81.0	75.5-81.0	(b).(c),(h)
2.5 mm	119.98-120.02	119.98-120.02	119.98-120.02	(k),(p)
2 mm	142-149	142-149	142-149	(b),(c),(h),(k)
1 mm	241-250	241-250	241-250	(b),(c),(h),(q)

* * * * *

(g) For a station having a control operator holding a Technician, General, Advanced or Amateur Extra Class operator license:

Wavelength band	ITU Region 1	ITU Region 2	lTU Region 3	Sharing requirements See 97.303, Paragraph:
VHF	MHz	MHz	MHz	
6 m	---	50-54	50-54	(a)
2 m	144-146	144-148	144-148	(a)

6. Section 97.501 is revised to read as follows:

97.501 Qualifying for an amateur operator license.

An applicant must successfully pass an examination for the issuance of a new amateur operator license and for each change in operator class. Each applicant for the class of operator license specified below must pass, or otherwise receive examination credit for, the following examination elements.

(a) Amateur Extra Class operator: Element 1(C), and elements 3(A), 3(B), 4(A), and 4(B);
(b) Advanced Class operator: Element 1(B) or 1(C), and elements 3(A), 3(B), and 4(A);
(c) General Class operator: Element 1(B) or 1(C), and elements 3(A), and 3(B);
(d) Communicator Class operator: Element 3(A).

7. Paragraphs (b) and (c) of Section 97.503 are revised to read as follows:

97.503 Element standards.

(b) A written examination must be such as to prove that the examinee possesses the operational and technical qualifications required to perform properly the duties of an amateur service licensee. Each written examination must be comprised of a question set as follows:
(1) Element 3(A): 60 questions concerning the privileges of a Communicator Class operator license. The minimum passing score is 45 questions answered correctly.
(2) Element 3(B): 25 questions concerning the additional privileges of a General Class operator license. The minimum passing score is 19 questions answered correctly.
(3) Element 4(A): 50 questions concerning the additional privileges of an Advanced Class operator license. The minimum passing score is 37 questions answered correctly.
(4) Element 4(B): 40 questions concerning the additional privileges of an Amateur Extra Class operator license. The minimum passing score is 30 questions answered correctly.
(c) The topics and number of questions required in each question set are listed below for the appropriate examination element:

Topics	Element:			
	3	3	4	4
	(A)	(B)	(A)	(B)

(1) FCC rules for the amateur radio services	15	4	6	8
(2) Amateur station operating procedures	7	3	1	4
(3) Radio wave propagation characteristics of amateur service frequency bands	4	3	2	2
(4) Amateur radio practices	11	5	4	4
(5) Electrical principles as applied to amateur station equipment	6	2	10	6
(6) Amateur station equipment circuit				

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Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

From -2267606409652908810
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X-Google-ArrivalTime: 1990-03-01 05:59:00 PST
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f1.n234.z1.fidonet.org!Jim.Grubs
From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: NPRM 90-55, Part 7 of 9
Message-ID: <13729.25ED2D39@stjhmc.fidonet.org>
Date: 1 Mar 90 13:59:00 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 125
Posted: Thu Mar 1 14:59:00 1990

components	4	1	6	4
(7) Practical circuits employed in amateur station equipment	3	1	10	4
(8) Signals and emissions transmitted by amateur stations	4	2	6	4
(9) Amateur station antennas and feed lines	6	4	5	4

8. Section 97.505(a) is revised to read as follows:

97.505 Element credit.

(a) The administering VEs must give credit as specified below to an examinee holding any of the following documents:

(1) An unexpired (or within the renewal grace period) FCC-issued Novice Class operator license: Element 1(A) and the 30 written questions in Element 3(A) based upon

the material from the written examination passed for the Novice Class operator license.

(2) An unexpired (or within the renewal grace period) FCC-issued Communicator Class operator license: Element 3(A).

(3) An unexpired (or within the renewal grace period) FCC-issued Technician Class operator license: Element 3(A).

(4) An unexpired (or within the renewal grace period) FCC-issued Technician Class operator license issued before March 21, 1987: Elements 3(A) and 3(B).

(5) An unexpired (or within the renewal grace period) FCC-issued General Class operator license: Elements 1(B), 3(A), and 3(B).

(6) An unexpired (or within the renewal grace period) FCC-issued Advanced Class operator license: Elements 3(A), 3(B), and 4(A).

(7) A CSCE: Each element the CSCE indicates the examinee passed within the previous 365 days.

(8) An unexpired (or expired less than 5 years) FCC-issued commercial radiotelegraph operator license or permit: Element 1(C).

9. Section 97.507 is revised to read as follows:

97.507 Preparing an examination.

(a) Each telegraphy message and each written question set administered to an examinee must be prepared by a VE holding an FCC-issued Amateur Extra Class operator license. A telegraphy message or written question set, however, may also be prepared for the following elements by a VE holding an FCC-issued operator license of the Class indicated:

(1) Element 3(B): Advanced Class operator.
(2) Elements 1(A) and 3(A): Advanced or General Class operator.

(b) Each question set administered to an examinee must utilize questions taken from the applicable question pool.

(c) Each telegraphy message and each written question set administered to an examinee for a Communicator. General, Advanced or Amateur Extra Class operator license must be prepared, or obtained from a supplier, by the administering VEs according to instructions from the coordinating VEC.

(d) A telegraphy examination must consist of a message sent in the international Morse code at no less than the prescribed speed for a minimum of 5 minutes. The message must contain each required telegraphy character at least once. No message known to the examinee may be administered in a telegraphy examination. Each 5 letters of the alphabet must be counted as 1 word. Each numeral, punctuation mark and prosign must be counted as 2 letters of the alphabet.

10. In Section 97.511, the heading and the text are revised to read as follows:

97.511 Operator license examination.

(a) Each session where an examination is administered must be coordinated by a VEC. Each administering VE must be accredited by' the coordinating VEC.

(b) Each examination for a Communicator Class operator license must be administered by 3 administering VEs. each of whom must hold an FCC-issued Amateur Extra or Advanced Class operator license.

(c) Each examination for a General, Advanced or Amateur Extra Class operator license must be administered by 3 administering VEs, each of whom must hold an FCC-issued Amateur Extra Class operator license.

(d) The administering VEs must make a public announcement before administering an examination. The number of candidates at any examination may be limited.

(e) The administering VEs must issue a CSCE to an examinee who scores a passing grade on an examination element.

(f) Within 10 days of the administration of a successful examination, the administering VEs must submit the application to the coordinating VEC.

11. Section 97.513 is removed.

12. In Section 97.519, new paragraph (d) is added to read as follows:

97.519 Coordinating examination sessions.

(d) Each coordinating VEC must compile lists of Communicator Class operator licensees who have been issued a CSCE for Element 1(A), 1(B), or 1(C) during each calendar month. The VEC must forward a copy of the list to the Private Radio Bureau, FCC, Washington. DC 20554, by the 10th day following the end of the month.

13. Section 97.527 is amended by revising paragraph (a), removing paragraph (c) and redesignating paragraphs (d) (e) (f) and (g) as (c) (d) (e) and (f) to read as follows:

97.527 Reimbursement for expenses.

(a) VEs and VECs may be reimbursed by examinees for

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Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs

Internet: Jim.Grubs@f1.n234.z1.fidonet.org

From 1888655533821583854
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,af734782873e7e16,start
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X-Google-ArrivalTime: 1990-03-01 05:59:03 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!stjhmc!f1.n234.z1.fidonet.org!Jim.Grubs
From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: NPRM 90-55, Part 8 of 9
Message-ID: <13730.25ED2D3B@stjhmc.fidonet.org>
Date: 1 Mar 90 13:59:03 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 125
Posted: Thu Mar 1 14:59:03 1990

out-of-pocket expenses incurred in preparing, processing, administering, or coordinating an examination.

FOOTNOTES

/1 The petitions were received from the American Radio Relay League, Inc. (ARRL) (RM-6995), Larry Ballentine (RM-6991), Clement Bourgeois, Jr. (RM-6988), Burt Fisher (RM-6989), Alan Horowitz (RM-6984), John M. McCord (RM-6993), the Space Coast Amateur Technical Group (SCATG) (RM-6986), David K. Stall (RM-6994), James E. Taylor (RM-6985), Michael C. Trahos (RM-6990), Dennis and Linda Welch (RM-2987), and Bill Welsh (RM-6992). Subsequent to the Public Notice listing of the foregoing petitions, two additional petitions addressing the same matter were received from Larry Garens and Philip Howard. These petitions are included in the record of this notice and comment proceeding and will be given full consideration prior to a final determination in this matter.

/2 See No. 53 of the International Telecommunication Union Radio Regulations (Geneva, 1979) (hereafter Radio Regulations). See also 47 U.S.C. 153(q).

/3 See No. 2735 of the Radio Regulations.

/4 The license classes are, in ascending steps, Novice, Technician, General, Advanced and Amateur Extra.

/5 The examinations cover three levels of telegraphy skill. They are 5, 13, and 20 words-per-minute. The examinee must also pass certain written examination elements, depending upon the operator license class sought. See Sections 97.501 and 97.503 of the Commission's Rules, 47 C.F.R. 97.501 and 97.503.

/6 Notice of Proposed Rule Making, Docket No. 20282, 39 Fed. Reg. 44042 (1974).

/7 Notice of Proposed Rule Making, PR Docket No, 83-28, 48 Fed. Reg. 4855 (1983).

/8 Third Report and Order, Docket No. 20282, 34 Fed. Reg. 16461 (1979).

/9 The qualification requirements for a Technician Class Operator license are passing the five words-per-minute telegraphy examination, the 30 question written examination for a Novice Class Operator license, and the 25 question written examination for a Technician Class Operator license.

/10 Report and Order, PR Docket No. 83-28, 49 Fed. Reg. 1097 (1984).

/11 RM-6995 at 21.

/12 RM-6994 at 3.

/13 RM-6995 at 12 and 13, N. 11.

/14 RM-6986 at 3.

/15 RM-6989 at 1 and 2.

/16 RM-6990 at 5.

/17 RM-6993 at 2.

/18 RM-6987 at 1.

/19 RM-6992 at 1.

/20 RM-6985 at 1.

/21 The highest speed telegraphy requirement is 20 words-per-minute for the Amateur Extra Class operator license.

/22 RM-6988 at 2 and 3.

/23 RM-6991 at 1.

/24 RM-6995 at 15.

/25 RM-6994 at 1.

/26 RM-6989 at 1.

/27 RM-6995 at 18.

/28 RM-6993 at 1.

/29 RM-6987 at 2.

/30 RM-6986 at 1,

/31 RM-6985 at 1 and 2.

/32 RM-6984 at 1.

/33 RM-6990 at 4.

/34 RM-6990 at 20.

/35 RM-6992 at 2 and 3.

/36 RM-6992 at 3.

/37 RM-6985 at 2.

/38 RM-6990 at 21, and RM-6986 at 2.

/39 RM-6989 at 1.

/40 RM-6995 at 20.

/41 RM-6987 at 2.

/42 RM-6994 at 1.

/43 RM-6993 at 1.

/44 RM-6995 at 17 and 18.

/45 RM-6986 at 2.

/46 RM-6986 at 1.

/47 RM-6989 at 1.

/48 RM-6990 at 20.

/49 RM-6994 at 1.

/50 RM-6995 at 17.

/51 RM-6995 at 19.

/52 The sixth license class designation is "Communicator."

/53 A written examination must be designed to demonstrate that the examinee has the operational and technical qualifications required to perform properly the duties of an amateur service licensee in accordance with the privileges authorized by the class of operator license sought. See 47 U.S.C. 303(l)(1) and 47 C.F.R. 97.503(b).

/54 Section 97.523, 47 C.F.R. 97.523, requires all VECs to cooperate in maintaining one question pool for each written examination element. Each pool must contain at least 10 times the number of questions required for a single examination.

/55 The current Technician Class question pool consists of 250 questions. There are currently 300 questions in the Novice Class question pool. An additional 50 questions would be added, giving the proposed Communicator Class question pool a total of 600 questions.

/56 See Section 97.1(c). 47 C.F.R. 97.1(c).

/57 Until a revised FCC FORM 610 becomes available, the administering VEs would write in certain information on the current form in the case of an application for a Communicator Operator license. We would furnish information to the VECs for temporary use of the current form, if we decide to proceed with the Communicator Class license.

/58 The computer-aided application processing system selects a new call sign from four basic groupings for assignment to an amateur station. Each call sign is sequentially selected from an alphabetized regional-group list that corresponds to the licensee's class of operator license and mailing address.

/59 RM-6995 at 19.

/60 RM-6995 at 14.

/61 See Radio Regulations, Nos. 2735, and 2736.

/62 The additional privileges include RTTY and data emissions and phone emissions J3E and R3E in a segment of the 10 meter band, and all authorized emissions in the 2 and 6 meter bands, See 97.301 and 97.303.

/63 A Certificate of Successful Completion of Examination is now issued by VEs. See Section 97.511(e), 47 C.F.R. 97.511(e).

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Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

From -340502538460346963
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X-Google-Thread: 10c9e3,883b96ffaa94d62b,start
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From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: NPRM 90-55, Part 9 of 9
Message-ID: <13731.25ED2D3D@stjhmc.fidonet.org>
Date: 1 Mar 90 13:59:07 GMT

Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 38
Posted: Thu Mar 1 14:59:07 1990

/64 Section 97.119(e) requires that an indicator must be included after the call sign whenever the control operator is using privileges based on holding a CSCE. The indicator AC is proposed for the Communicator Class.

/65 Currently, Section 97.505(a)(2), 47 C.F.R. 97.505(a)(2), requires VEs to give credit to an examinee holding a certificate of successful examination (CSCE) indicating the examination was passed within the previous 365 days. Currently, Section 97.9(b), 47 C.F.R. 97.9(b). authorizes a licensee holding a CSCE indicating that he or she completed the necessary examinations within the previous 365 days to exercise the rights and privileges of the higher operator class. The time limitation that would apply to the use of a CSCE in conjunction with the Communicator Class license authorizing the rights and privileges of the Technician Class would be the duration of the license term and renewal thereof.

/66 Eighteen organizations function as VECs. They accredit VEs, coordinate examination sessions, maintain the question pools, provide instructions to VEs, review and forward completed license application forms to the Commission for processing. Some 50,000 examinations are administered annually under the VEC system.

/67 Some 18,000 to 20,000 persons qualify for a Novice Operator Class license annually. The examinations are administered by two General, Advanced, or Amateur Extra Operator Class licensees selected by the examinee.

/68 Some 10,000 to 15,000 persons qualify for the Technician Operator Class license annually.

/69 Currently, VEs and VEC may only be reimbursed by examinees for expenses incurred in preparing, processing. administering or coordinating an examination for a Technician, General, Advanced, or Amateur Extra Class Operator license. See 47 U.S.C. 154(f)(4)(J) and 47 C.F.R. 97.527.

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Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

From -8391843777987644083
X-Google-Language: ENGLISH,ASCII-7-bit
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X-Google-Attributes: gid10c9e3,public
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Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!ULKYVM.BITNET!MEHARP01

From: MEHARP01@ULKYVM.BITNET (Michael Harpe)
Newsgroups: rec.ham-radio
Subject: V31BB: Another bad experience
Message-ID: <9003021656.AA29819@ucbvax.Berkeley.EDU>
Date: 1 Mar 90 14:13:38 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: University of Louisville
Lines: 21
Posted: Thu Mar 1 15:13:38 1990

I called him one day to pick up V31 as a prefix and asked him to repeat his call when he answered since he was kinda weak to me. He refused, said no contact and launched into a big spiel about running "a tight ship" there.

The incident really made me angry. So angry that I sold my TS-820S a few days later. You all can have HF! I have never seen so many rude and crude operators anywhere except on CB. Sorry, fellas, I call 'em as I see 'em.

Forget 10 meters, it's already doomed.

Just my opinion.

```
---------------------------------------------------------------------
Michael Harpe, N4PLE                    | BITNET: MEHARP01@ULKYVM
106B Ormsby Building                    | VOICE:  502-588-7785
University of Louisville                | FAX:    502-588-5048
Louisville, KY  40292                   | AURAL:  "Mike!"
---------------------------------------------------------------------
"Sir, there is a large multi-legged creature crawling on your shoulder"
                                                  - Spock
```

From 4540639264499533289
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db2a1925d0f47ecb
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From: mike@ames.arc.nasa.gov (Mike Smithwick)
Newsgroups: rec.ham-radio,sci.space.shuttle
Subject: Re: Atlantis heard during launch
Message-ID: <43993@ames.arc.nasa.gov>
Date: 1 Mar 90 17:07:38 GMT
References: <20405@bellcore.bellcore.com>
Sender: usenet@ames.arc.nasa.gov
Followup-To: rec.ham-radio
Organization: NASA - Ames Research Center
Lines: 20
Xref: gmdzi rec.ham-radio:9915 sci.space.shuttle:3321

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Posted: Thu Mar  1 18:07:38 1990

In article <20405@bellcore.bellcore.com> karn@ka9q.bellcore.com (Phil Karn)
writes:
<
<I heard UHF air-to-ground communications during this morning's launch of
<Atlantis on its "secret" shuttle mission. I heard a total of four very brief
<transmissions, all on a frequency of 259.7 MHz (the "secondary" UHF comm
<frequency listed in the press kits).
<
>Phil

On the Westar 4 I intercepted a CBS TV feed (which I don't think
was carried on the network) of the liftoff. They received the a/g
directly and mixed it with the launch commentary. There were also a
few prelaunch exchanges heard dealing with the weather.

mike

                                                      *** mike smithwick ***

"E Pluribus Unix!"
[disclaimer : nope, I don't work for NASA, I take full blame for my ideas]


From 3106369161719499671
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7499f2f0eddaaa9a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-01 10:16:55 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!decwrl!ucbvax!hplabs!hp-
ses!hp-ptp!kenb
From: kenb@hp-ptp.HP.COM (Ken_Buscho)
Newsgroups: rec.ham-radio
Subject: Re: Shortwave Radio from DAK
Message-ID: <2700009@hp-ptp.HP.COM>
Date: 1 Mar 90 18:16:55 GMT
References: <22622@unix.cis.pitt.edu>
Organization: HP Pacific Technology Park - Sunnyvale, Ca.
Lines: 36
Posted: Thu Mar  1 19:16:55 1990

>/ hp-ptp:rec.ham-radio / ronc@unix.cis.pitt.edu (Ranjan Chatterjee) /  7:32 pm
Feb 28, 1990 /
>I received a catalog from a mail order firm in Cagona Park in California
>called DAK. They are selling a Digital PLL Tuning Shortwave radio having
>
>    AM -(530-1630)KHz
>    SW - (3200-21750)KHz
>    FM - 87.5-108 MHz
>
>It also has 20 preset memory, clock/alarm/timer. Ext. Antenna jack,
>Illuminated LCD display.....All for US$50.00. The price seems too
```

>good to be true. Does anyone have any information on this product
>or the company ? There number is 1-800-325-0800.
>
>Any information on this would be appreciated.
>
>Thanks,
>Ranjan

Ranjan,
I've ordered tons of stuff through the years and only got burned once, and
then they gave me a prompt refund. I'd go for it...

Ken Buscho

```
Ken Buscho, KC6AKD
Office Automation Coordinator         Unit Leader
Hewlett Packard                       California Explorer Search & Rescue
1266 Kifer Road                       354 Parrott Drive
Sunnyvale, CA 94086                   San Mateo, CA 94402
(408)746-5065                         (415)343-4122
```

Internet: kenb@hp-ptp.ptp.HP.COM
uucp: hplabs!hp-ptp!kenb

"Support search and rescue, get lost"

From 7226097872615651165
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,88afb4ca1f6725a7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-01 10:24:16 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!
GTE.COM!hignite_ra%ncsd.dnet
From: hignite_ra%ncsd.dnet@GTE.COM
Newsgroups: rec.ham-radio
Subject: TI GM0290A Transistor
Message-ID: <9003011824.AA28963@bunny.gte.com>
Date: 1 Mar 90 18:24:16 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Thu Mar 1 19:24:16 1990

My cross refences manual has an ECG/NTE 160 transistor as the equivalent.
It is in fact a Germanium PNP RF-IF amp. When I was located in London
I use to call RS and they would cross the ECG/NTE part to what ever they
had in stock (and sometimes the had the ECG/Philips actual part). Hope
this helps.

73, Rod KB3MK (ex-G5EEN)

From -4308076878158976164
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2329461143f926e6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-01 11:13:14 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!hplabs!hpl-opus!hpnmdla!dougb
From: dougb@hpnmdla.HP.COM (Doug Bender)
Newsgroups: rec.ham-radio
Subject: Re: small QRP HF transceivers
Message-ID: <1250129@hpnmdla.HP.COM>
Date: 1 Mar 90 19:13:14 GMT
References: <9002270808.AA13231@ucbvax.Berkeley.EDU>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 25
Posted: Thu Mar 1 20:13:14 1990

If you are into building, the RadioKit 20M compact CW transceiver went together rather easily for me. It is based on the article in the May 1987 issue of Ham Radio magazine. The kit includes the cabinet, PC boards, and all of the components and associated hardware. The only part that is not provided is the main VFO dial which RadioKit does not provide, and they inform you of that in their catalog. Since there is not a easy source for this dial (as RadioKit must have also discovered), I made my own.

One main PC board and a smaller PA board are the bulk of the electrical work; you do need to punch out your own front and rear panels. This is not a "Heathkit" in terms of documentation. RadioKit does provide a reprint of the magazine article.

Once together, I did have trouble getting the adjustments correct until I borrowed a spectrum analyzer! I highly recommend obtaining one for the oscillator adjustments, and especially when checking for spurious outputs. The receiver is based on 1496 mixers and 1350 IF amp and is a superhet with a 9 MHz IF. Although I haven't made any measurements on sensitivity, it seems to be quite good.

I am not associated with RadioKit -- I just had a lot of fun building this kit!

73, Doug WW6D

From -1318623789758066758
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8d44a75e427625f3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-01 11:54:00 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!think!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!brocku.ca!csblasinski

From: csblasinski@brocku.ca (ED BLASINSKI)
Newsgroups: rec.ham-radio
Subject: V31BB ???
Message-ID: <418*csblasinski@BrockU.ca>
Date: 1 Mar 90 19:54:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Thu Mar 1 20:54:00 1990

I've worked V31BB a number of times on 10 meter FM and UUSB and he's always given me a good report. I've tryed to QSL him direct but still no response. I listened to part of the MFJ Junk-Net he was running and from I gather he's pissed off at his Ameritron Linear amplifier which I assume is made by MFJ.

73....Ed
VE3 ITH

From 2579629227377978423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3b40e6e7d7cee24,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,d3b40e6e7d7cee24,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-03-01 11:57:23 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!cs.utexas.edu!oakhill!charlie
From: charlie@oakhill.UUCP (Charlie Thompson)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Sweeping carrier in the HF bands
Message-ID: <3034@radio.oakhill.UUCP>
Date: 1 Mar 90 19:57:23 GMT
Organization: Motorola Inc. Austin, Tx
Lines: 22
Xref: gmdzi rec.ham-radio:9922 rec.radio.shortwave:633
Posted: Thu Mar 1 20:57:23 1990

I have noticed (for some time now) a sweeping carrier passing through the HF bands. It appears both in the amateur HF bands and other HF frequencies as well. It sounds just like someone spotting their VFO as they spin the VFO dail up or down the band. At first I assumed this was someone with bad operating practices but after I noticed it on the non-ham portions of the HF band I figured it was some military station with annoying operating practices.

I now belive that none of the above explanations apply. I think this sweeping carrier is some sort

of HF propogation sounder. It probably is finding
the MUF and collecting data relating to HF
propogation vs. frequency vs. time. If this is
true how can the FCC license such an obnoixous
thing?

Anybody have any explanations?
Thanks in advance,
C. Thompson WB4HVD

From -6280280194041055744
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,dd7d91e41eb8b97b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,dd7d91e41eb8b97b,start
X-Google-Attributes: gid105d97,public
X-Google-Thread: f76e2,dd7d91e41eb8b97b,start
X-Google-Attributes: gidf76e2,public
X-Google-ArrivalTime: 1990-03-01 12:37:42 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!husc6!m2c!jjmhome!km3t
From: km3t@jjmhome.UUCP (Dave Pascoe KM3T)
Newsgroups: rec.ham-radio,rec.ham-radio.swap,sci.electronics
Subject: Searching for RCA 4065
Keywords: RCA 4065, tube
Message-ID: <5539@jjmhome.UUCP>
Date: 1 Mar 90 20:37:42 GMT
Followup-To: poster
Lines: 9
Xref: gmdzi rec.ham-radio:9921 rec.ham-radio.swap:336 sci.electronics:5517
Posted: Thu Mar 1 21:37:42 1990

Does anyone have any leads on an RCA 4065 tube? Please e-mail any replies
if possible.

```
--
            | Internet: pascoe%edcd@gte.com
Dave Pascoe |           km3t%jjmhome@m2c.m2c.org
  KM3T/1    | UUCP: {harvard}!m2c!jjmhome!km3t
            | Packet Radio: km3t @ k1ugm.ma.usa.na
```

From 4608535995208505791
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2a1657dac95d03be
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-01 13:24:05 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!jarvis.csri.toronto.edu!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!wuarchive!udel!princeton!phoenix!surshkmr
From: surshkmr@phoenix.Princeton.EDU (V.S. Suresh Kumar)

Newsgroups: rec.ham-radio
Subject: High Voltage RF source/amp
Message-ID: <14165@phoenix.Princeton.EDU>
Date: 1 Mar 90 21:24:05 GMT
References: <9002261404.AA03742@ucbvax.Berkeley.EDU>
Reply-To: surshkmr@phoenix.Princeton.EDU (V.S. Suresh Kumar)
Organization: Princeton University, NJ
Lines: 28
Posted: Thu Mar 1 22:24:05 1990

This does not have any direct connection to Ham-

As part of my research, I need a high voltage (>300 volts peak to peak) RF (1-50 MHz) source to drive a reactive load that varies with time. The total current that I need for the experiment (and therefore the wattage) is quite small (<1W), but I need an ideal voltage source (the output voltage must remain constant during the experiment ; when the impedance of the load changes).

I was told that an RF transmitter is the only way to go. Are there any commercially available equipment that may do the job?

I have an RF signal generator which produces 30 volts peak to peak into a 50 ohm load . Could I get/build an amp that could produce 300 volts peak to peak from this?

Any suggestions will be greatly appreciated.

Please E-Mail all responses to me , I dont read this newsgroup regularly.

Thanks in Advance!

Suresh

<surshkmr@Phoenix.Princeton.EDU>

<surshkmr@PUCC>

From -3767159840736240433
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c35c,623bad3341eddfd2,start
X-Google-Attributes: gid10c35c,public
X-Google-Thread: 10c9e3,623bad3341eddfd2,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108010,623bad3341eddfd2,start
X-Google-Attributes: gid108010,public
X-Google-Thread: 14a7f9,623bad3341eddfd2,start
X-Google-Attributes: gid14a7f9,public
X-Google-Thread: 10fd69,623bad3341eddfd2,start
X-Google-Attributes: gid10fd69,public
X-Google-Thread: f7e4d,623bad3341eddfd2,start

X-Google-Attributes: gidf7e4d,public
X-Google-ArrivalTime: 1990-03-01 14:08:58 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp!deimos!ux1.cso.uiuc.edu!brutus.cs.uiuc.edu!wuarchive!usc!pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups:
comp.binaries.ibm.pc.d,comp.sys.ibm.pc,comp.sys.tandy,comp.sys.amiga.hardware,comp.sys.zenith,rec.ham-radio
Subject: everex
Message-ID: <23188@usc.edu>
Date: 1 Mar 90 22:08:58 GMT
Sender: news@usc.edu
Followup-To: comp.binaries.ibm.pc.d
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 51
Xref: gmdzi comp.binaries.ibm.pc.d:5603 comp.sys.ibm.pc:35042 comp.sys.tandy:1469
comp.sys.amiga.hardware:322 comp.sys.zenith:424 rec.ham-radio:9917
Posted: Thu Mar 1 23:08:58 1990

I advise you not to buy Everex products.

I just recently got a Seagate ST-4096 hard disk which was repackaged by Everex. The documentation which came with the disk was incorrect. The software which came with the disk has serious bugs.

Following the documentation written by Everex exactly, I was unable to get the drive to work. After calling the vendor, and talking to their technical support people, I learned that the Everex documentation is wrong. They give faulty information on how to configure the jumpers on disk drives. (The correct information will follow later.) After following the instructions from the vendor tech support people, the disk worked. According to the vendor, Everex admits that their documentation is incorrect, but they won't fix it.
Note: The "drive select" jumpers should be set as follows:
If you have a cable with a twist in it, the DS jumpers on BOTH disks should be set to the second addressable drive. For hard disks, this is drive 2 because addressing starts with DS1; for floppy drives, this is drive 1 because addressing starts with DS0. The drive on the end of the cable with the twist will be the first of the two drives (eg. A:) and the other drive will be the second of the two drives (eg. B:).
If you have a cable without a twist in it, and a single disk drive, the DS jumper should be set to the first addressable drive. For hard disks, this is DS1; for floppy drives this is DS0.

Using the software provided by Everex led to other working systems in my computer becoming non-functional. After calling the vendor, and talking to their technical support people, I learned that Everex admits that their software does not work. The vendor agreed to ship me a copy of Seagate's software. I haven't received it yet, but I expect it to work just fine.
Note: The specific problem I had was: when using the everex device driver "evdisk.sys", my 720k B: drive would not function

correctly. You could put in a disk, do a "dir" command, switch disks, do another "dir" command, and see the directory of the first disk. You could "cd" to directories on the first disk which did not exist on the second disk which is actually in the drive. The only (hokey) way out of this problem was to force a drive read fault, to get the "Abort, Retry, or Ignore?" message. This is definitely a bug, and not a feature.
(If the evdisk.sys device driver is not used, then 50M of the 80M disk is wasted under any version of DOS previous to 4.0.)

Rule 1   Don't buy Everex products.

Rule 2   Specify to vendors that you won't accept Everex products.

Rule 3   If you buy something, and it turns out to be an Everex product, see rule 1 and rule 2. Return it.

Ken Hendrickson N8DGN   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From -883111026755658557
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fc1756e81b90363
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-01 15:54:18 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucsdhub!hp-sdd!hp-pcd!hplsla!hpubvwa!johnh
From: johnh@hpubvwa.HP.COM (John Hays)
Newsgroups: rec.ham-radio
Subject: Re: Flames 0 Tact 1
Message-ID: <2880006@hpubvwa.HP.COM>
Date: 1 Mar 90 23:54:18 GMT
References: <16170013@hpfinote.HP.COM>
Organization: Hewlett-Packard Bellevue Sales
Lines: 3
Posted: Fri Mar 2 00:54:18 1990

I am glad someone had presence of mind!!!!

John KD7UW --- hays@apollo.hp.com

From -767671778495398859
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c52877f937fe208a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-01 16:18:01 PST
Path: gmdzi!unido!mcsun!uunet!mmlai!4.8::ferrell
From: 4.8::ferrell@mmlai.UUCP
Newsgroups: rec.ham-radio
Subject: Radio Shlock DX-440
Message-ID: <9003020018.AA07731@mmlai.LOCAL>
Date: 2 Mar 90 00:18:01 GMT
Sender: daemon@mmlai.UUCP

Lines: 39
Posted: Fri Mar 2 01:18:01 1990
To: mmlai::rec.ham-radio@mmlai

Maybe this belongs in rec.radio.sw, but since my site doesn't subscribe, I'm posting here. Please forgive me.

I bought the Radio Shlock DX-440 about 1 year ago and I've been pretty pleased with it up until last weekend. After listening to a clear SW station, I hit scan and it never found another station. FM still works fine and the scan function still searches properly, but no AM/SW stations are being detected, even when programmed directly. This includes SSB and CW stations with BFO in or out. So basically I'm down to an FM receiver of which I already have too many.

I've written to the Shlock to get schematics for the DX-440, but in the meantime, has anyone else out there experienced this same problem with this radio? Is there a quick fix someone might suggest? Does the radio contain CMOS or any other ESD sensitive parts? FYI, I am an EE and I can handle a soldering iron, so if anyone can point me to the AM detection stage in this thing, I'm willing to give it a shot. The warranty was only 90 days and I didn't opt for the extended version. Could it be something as simple as a single IC chip in a socket? . . . Naah, not if Murphy has anything to say about it!

While I'm at it: the cheapos at RS conveniently plugged the tape out hole on this model to bring the cost <$200. (*&%#@!?ARGH*(#@!) The solder pads are on the board (I've seen them). So what type of jack can be put here to finish RS's job, and where can I buy it? Anyone out there with the Sangean model, etc.? The radios are all the same except for the jack. If I just knew if it was an RCA phono jack and I could find a source for the part . . .

Any help would be greatly appreciated, for whatever my eternal gratitude is worth. E-mail or post (sometimes my e-mail bounces). And, BTW, I recently joined the ranks of amateur extra class. YAY!

--... ...-- ...

Bill Ferrell
ferrell@mmlai.uucp (or stuff like that)
N3HIV (I'm keeping the call, for now)

Disclaimer? Isn't that something like a software pirate? :-)

From -1236638340441842011
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6dbbe452d0fbda1b,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,6dbbe452d0fbda1b,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-03-01 21:46:31 PST
Path: gmdzi!unido!mcsun!uunet!epiwrl!boom!mike

From: mike@boom.UUCP (Mike Peyton)
Newsgroups: sci.space,rec.ham-radio
Subject: NORAD to AMSAT Quick Track ?
Message-ID: <7.352645a231@boom.UUCP>
Date: 2 Mar 90 05:46:31 GMT
Organization: Center for Weird Wireless Studies
Lines: 11
Xref: gmdzi sci.space:10323 rec.ham-radio:9958
Posted: Fri Mar 2 06:46:31 1990

Does anyone have a way to convert the NASA/NORAD Prediction Bulletins directly to the N4HY's AMSAT Quick Track KEPC.DAT file? It get's old putting all those numbers by hand.......

```
-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+
     Mike Peyton             USENET: ...!uunet!epiwrl!boom!mike
     4209 Tulare Dr.       INTERNET:   mike@wrl.epi.com
     Wheaton, MD 20906      MCIMail:   M Peyton or 324-8388
            w 703-749-7381     h 301-933-2273
-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+-=+
```

From -3773451845279392315
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2414de4b63cb23ff
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-01 23:18:43 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!uw-entropy!dataio!pilchuck!ssc!markz
From: markz@ssc.UUCP (Mark Zenier)
Newsgroups: rec.ham-radio
Subject: Re: Need wattage and range information for us in portable emergency.
Keywords: range wattage portable emergency CB-sorry
Message-ID: <518@ssc.UUCP>
Date: 2 Mar 90 07:18:43 GMT
References: <3980@cbnewsj.ATT.COM>
Organization: SSC, Inc., Seattle, WA
Lines: 21
Posted: Fri Mar 2 08:18:43 1990

In article <3980@cbnewsj.ATT.COM>, kwmc@cbnewsj.ATT.COM (ken.cochran) writes:

> Three years ago my mother had a heart attack and was advised to "take nice long walks as part of her recovery and treatment. This winter, while out walking, she slipped and broke her arm some distance from the nearest house. While this was not life threatening it caused her some distress.
>
> I am hoping to give her a light portable CB which she can use to summon help from home (my dad) and it should have a range of 2.5 to 3 miles (reliably).

In the February 1990 "Monitoring Times", there is an annoucement of a new service granted by the FCC, Personal Emergency Locator Transmitter Service (PELTS). It is to use 3 Watt radios in the 220 Mhz band with voice and homing capablity. The intended use for emergencys for hikers, skiers, and mountain climbers in wilderness areas. The article was short on details, so it is unclear whether the equipment will be allowed outside wilderness areas, and if the frequencys are shared.

One reason for the speed that this was created, was that aircraft ELT tranmitters were being (ab)used for this application.

markz@ssc.uucp

From 8613285286078593321
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64ab754eaad4f406,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-01 23:48:10 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins: Space Shuttle
Message-ID: <9003021655.AA29791@ucbvax.Berkeley.EDU>
Date: 2 Mar 90 07:48:10 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Fri Mar 2 08:48:10 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current elements for the current shuttle mission are provided below. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
STS 36
1 20512U 90 19  A 90 59.44767390  .00292862  43524-4  97414-4 0    27
2 20512  61.9935 179.0635 0006854 282.7305  76.9739 16.25535875    15
```

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

---

From -8718852798142320482
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,37c0e516b05e01b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,37c0e516b05e01b
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-03-02 00:39:39 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!mintaka!snorkelwacker!tut.cis.ohio-state.edu!cs.utexas.edu!sun-barr!newstop!sun!news

From: news@sun.Eng.Sun.COM (news)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: How does one build LOG AMPS (>60dB dynamic range)
Summary: Use Plessey SL521 et al.
Message-ID: <132426@sun.Eng.Sun.COM>
Date: 2 Mar 90 08:39:39 GMT
References: <596@massey.ac.nz> <13547@watcgl.waterloo.edu> <321@fe2o3.UUCP>
Organization: Sun Microsystems, Inc. - Mtn View, CA
Lines: 38
Xref: gmdzi rec.ham-radio:9936 sci.electronics:5521
Posted: Fri Mar 2 09:39:39 1990

Reply-To: poynton@sun.com (Charles A. Poynton)
Followup-To:
Organization: Sun Microsystems, Inc., Mountain View, Calif., U.S.A.
From: poynton@vector.Sun.COM (Charles A. Poynton)
Path: vector!poynton

Giovanni Moretti <GMoretti@massey.ac.nz> asks about a log amplifier over 60 dB at 10.7 MHz for a spectrum analyser.

John Whitmore <whit@milton.acs.washington.edu> suggests the classic National Semi appnotes that exploit the logarithmic I/V relationship in a diode. John Wieczorek <johnw@watnext.waterloo.edu> suggests an ICL8048; this part uses the same approach. Both of these approaches are appropriate if the logarithm of a low frequency signal, perhaps up to 10 kHz, is required. However the problem in a spectrum analyser is to get such a wide dynamic range through the IF amplifiers unscathed; IF amplifiers are just not capable of 60 dB, so the log operation must be performed at IF frequencies, not after detection.

As Michael Katzmann <michael@fe2o3.UUCP> suggests, Plessey is the place to look. They have a series of parts starting (SL521, 523, 1521, 1522, 1523) that are specifically designed as logarithmic IF amplifiers (for radar, in fact). In October 1980 these were documented in Radar and Radio Communications IC Handbook, but they're not in the March 1987 Radio Telecoms IC Handbook and I don't have the latest books.

Plessey (NZ) Ltd., Auckland 8, Tel. 8364189.

C.

Charles A. Poynton   Sun Microsystems Inc.
vox 415-336-7846   2550 Garcia Avenue, MS 21-10
fax 415-969-9131   Mountain View, CA 94043
<poynton@sun.com>   U.S.A.

"The most probable consequence of high tech jingoism is that it will keep
the best of future technology out." -- The Economist, July 1, 1989, p. 19.

From 1274714096299633916

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,397c670202aae277,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-02 00:56:05 PST
Path: gmdzi!unido!mcsun!uunet!samsung!brutus.cs.uiuc.edu!apple!pvh
From: pvh@Apple.COM (Pete Helme)
Newsgroups: rec.ham-radio
Subject: Standard C520 hand held
Message-ID: <39130@apple.Apple.COM>
Date: 2 Mar 90 08:56:05 GMT
Organization: Apple Computer Inc., Cupertino, CA
Lines: 8
Posted: Fri Mar 2 09:56:05 1990

I recently saw an ad for this dual band hand held in Japanese CQ and it looks very interesting. I know that Heath Company imports other Standard hand helds and I was curious if anyone knows if they plan to import this one as well.

Thanks,

Pete
KC6ISO

From 4835107580305103254
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d3b40e6e7d7cee24
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,d3b40e6e7d7cee24
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-03-02 04:50:21 PST
Path: gmdzi!unido!mcsun!uunet!samsung!uakari.primate.wisc.edu!ames!pacbell!att!cbnewse!parnass
From: parnass@cbnewse.ATT.COM (Bob Parnass, AJ9S)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Sweeping carrier in the HF bands
Summary: propagation sounders - what they are and who is using them
Message-ID: <13323@cbnewse.ATT.COM>
Date: 2 Mar 90 12:50:21 GMT
References: <3034@radio.oakhill.UUCP>
Organization: AT&T Bell Laboratories, Naperville, IL
Lines: 95
Xref: gmdzi rec.ham-radio:9956 rec.radio.shortwave:644
Posted: Fri Mar 2 13:50:21 1990

In article <3034@radio.oakhill.UUCP>, charlie@oakhill.UUCP (Charlie Thompson) writes:
> I have noticed (for some time now) a sweeping carrier
> passing through the HF bands... Anybody have any explanations?

STRANGE HF SIGNALS MAY BE PROPAGATION SOUNDERS

by Bob Parnass, AJ9S

Many scanner and shortwave listeners are curious by nature, and want to know the identity of stations they hear. Pirate broadcast stations have a cult following, as do "spy numbers" and military transmissions.

But, some signals seem to defy explanation. They are neither voice nor data. What are those clicks, tweets, and bursts one hears on the shortwave bands? Perhaps you stumbled upon signals from over the horizon radar, or even an RF induction heating oven. There is another source of these puzzling signals -- your receiver may have intercepted a sounder system used for propagational studies.

A recently released U. S. Navy report gives us a peek at several such radio sweeper systems: HF Maximum Usable Frequency (MUF) Model Uncertainty Assessment, Technical report 1184, by T. N. Roy and D. B. Sailors. June 1987. Naval Ocean Systems Center, San Diego, CA.

Basically, a sounder system consists of a transmitter that emits signals sequentially on several frequencies, and a distant receiver which is programmed to follow the transmitter frequency and measure the signal strength at each channel.

Navy Tactical Sounder System

The Navy has used a system of several shore-based AN/FPT-11 (XN-1) sounder transmitters and shipboard and land based AN/UPR-2 receivers to determine propagation conditions. Known as the Navy Tactical Sounder System (NTSS), the FPT-11 transmits a double, biphase pulse sequence every minute on each of 80 frequencies between 2 and 32 MHz. The 80 frequencies are spaced in 100 kHz increments between 2 and 4 MHz, 200 kHz increments between 4 and 8 MHz, 400 kHz increments between 8 and 16 MHz, and 800 kHz increments between 16 and 32 MHz.

Both receivers and transmitters are synchronized to WWV so the receivers can follow the transmitter frequency sequence.

Granger Model 900 Sounder

The Stanford Research Institute has used a different system to study propagation. Their equipment consists of Granger Associates Model 900 sounders, which cover the 4 to 64 MHz range in four bands of 40 linearly spaced channels each. The Granger sounders are high power, and transmit 30 kW peak pulses of 0.1 ms or 1.0 ms. The scan sequence takes 29 seconds to complete, and is repeated every 20 minutes.

A search of FCC records shows SRI may also be using linear sweepers. SRI was granted license KA2XNH as an experimental contract station to fullfull U.S. Navy contract N00014-83-C-0267. This license permits a 50 watt SRI transmitter to sweep the 2-32 MHz band in 1 Hz increments not more than 3 times per hour at a sweep rate of not less than 5 minutes sweep for the entire band.

Other Systems

Another sounder system consists of a device called a C-3 iosonde, which transmits 0.1 ms pulses and is swept linearly between 2 and 25 MHz.

The BR Communications HF Chirpsounder System takes 5 minutes to sweep between 2 and 30 MHz, and the sweep is repeated every 15 minutes.

Sights and Sounds

It's tough to follow frequency agile signals using only shortwave receiver. Connecting a panoramic display (panadaptor) makes it easier to identify sounders. One can actually see the sweeper signals moving up the band.

```
--
============================================================================
Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihuxz!parnass (708)979-5414
```

```
From -9174661062392180697
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,94cfb18c24a7ad91,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-02 06:12:38 PST
Path: gmdzi!unido!mcsun!uunet!mailrus!cs.utexas.edu!asuvax!stjhmc!
f1.n234.z1.fidonet.org!Jim.Grubs
From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Havana Moon's On-Line Service
Message-ID: <13779.25EE8107@stjhmc.fidonet.org>
Date: 2 Mar 90 14:12:38 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 14
Posted: Fri Mar  2 15:12:38 1990
```

> From: lyndon@cs.AthabascaU.CA (Lyndon Nerenberg)
> >   "Los Numeros" On-Line is the perfect blend of two of the
> >   world's most excitingnd fastest growing electronics hobbies -
> >   Shortwave Listening and Personal Comping.
>
> Geez - I haven't been comping for a long time :-)

Me, neither, but I've been ficheing a couple times.

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

From -5700728446965609622
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f0b0cdbfb8372547,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-02 07:09:00 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!ames!pasteur!ucbvax!STL-06SIMA.ARMY.MIL!wmartin
From: wmartin@STL-06SIMA.ARMY.MIL (Will Martin)
Newsgroups: rec.ham-radio
Subject: Military Radio Info -- PRC-25 & PRC-70
Message-ID: <9003030803.AA24567@ucbvax.Berkeley.EDU>
Date: 2 Mar 90 15:09:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 69
Posted: Fri Mar 2 16:09:00 1990

Some days back, there was a posting from a military radio collector, I believe in Europe, who wanted info on the Vietnam-era military radios PRC-25 and PRC-70. I got out my 1981 Jane's Military Communications and herewith the enclosed info. (By the way, I recommend anyone interested in military surplus electronics see if they can get ahold of copies of this publication. It is insanely overpriced when new, like all the Jane's books, at $150 or something idiotic like that. However, remaindered copies show up in mail-order book catalogs now and then. I have bought a couple issues of the Military Communications books for $15 [and I think I saw one being closed out for $10 *after* I paid $15 :-(] from Publishers Central Bureau. The Infantry Weapons back issues tend to go for about $50, and other series are somewhere in-between. "Jane's Shipping Containers" is always very cheap, but I have never figured out who would ever want one! :-) I don't know if there is a European version of PCB; maybe each language-area has their own remaindered-book mail-order house? Any UK readers know of good English-language remaindered- and used-book dealers who would do mail-order with the US at reasonable rates? For the US readers who do not already get 4 catalogs from PCB in the mail each month, here's their address: Publishers Central Bureau, One Champion

Ave., Avenel, NJ 07131.)

Here's the radio data:

AN/PRC-25 VHF/FM MANPACK TRANSCEIVER

Platoon and company level communications gear. Developed '59-'60; produced from '61 on. No longer in production as of the 1980 date of this publication. Also came in vehicle-mounted and vehicle/portable versions.

2 bands: 30-52.95 MHz and 53-75.95 MHz

920 channels, 50 kHz separation

2 Whip antennae -- 36" and 129" long (could also be hooked to a ground-plane)

Transmitter power 1 - 1.5 Watts; Weight = 24 lbs. (Wow! You really get a lot of output for lugging around this beast! :-)
Powered by 12.5V battery (type unspecified).
Dimensions: 11" high, 4" wide, 11" long (I would interchange some of these based on the picture. What they call "wide" I would call either "high" or "deep", depending how you sit the thing.)

AN/PRC-70

Developed Aug '64, in production from '71 through the date of the book ('80).

2 - 76 MHz in USB, AM, CW, & FSK
30 - 76 MHz in FM

Transmitter power: SSB = 30W PEP; FM, FSK, CW = 30W; AM = "7.5W Carrier" (whatever that means)
Weight 20 lb 8 oz (*less* battery case) [No power-requirement info given]

Dimensions: 4" high, 13" wide, 12" long

End of info

Looking thru this brings back memories of trying to DX with an AN/GRC-106 HF receiver part of the Tx/Rx combo at Nha Trang in '72. Lousy receiver, as I recall, but maybe it was the antenna... That radio has individual knobs for tuning each digit and bandscanning was really tedious! About a three-handed job... For my own radio, I had this wretched Allied multi-band job and couldn't get much more than the DW southeast-Asian relay and a few other regional stations. Boy, I wish I could slip back in time and give me the Sonys I have now then!

Regards, Will
wmartin@st-louis-emh2.army.mil OR wmartin@stl-06sima.army.mil

From 2710063371280354652

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c35c,623bad3341eddfd2
X-Google-Attributes: gid10c35c,public
X-Google-Thread: 10c9e3,623bad3341eddfd2
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 108010,623bad3341eddfd2
X-Google-Attributes: gid108010,public
X-Google-Thread: f7e4d,623bad3341eddfd2
X-Google-Attributes: gidf7e4d,public
X-Google-Thread: 14a7f9,623bad3341eddfd2
X-Google-Attributes: gid14a7f9,public
X-Google-Thread: 10fd69,623bad3341eddfd2
X-Google-Attributes: gid10fd69,public
X-Google-ArrivalTime: 1990-03-02 07:20:05 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!jarvis.csri.toronto.edu!torsqnt!tmsoft!robohack!druid!darcy
From: darcy@druid.uucp (D'Arcy J.M. Cain)
Newsgroups: comp.binaries.ibm.pc.d,comp.sys.ibm.pc,comp.sys.tandy,comp.sys.amiga.hardware,comp.sys.zenith,rec.ham-radio
Subject: Re: everex
Message-ID: <1990Mar2.152005.27912@druid.uucp>
Date: 2 Mar 90 15:20:05 GMT
References: <23188@usc.edu>
Reply-To: darcy@druid.UUCP (D'Arcy J.M. Cain)
Organization: D'Arcy Cain Consulting, West Hill, Ontario
Lines: 24
Xref: gmdzi comp.binaries.ibm.pc.d:5618 comp.sys.ibm.pc:35088 comp.sys.tandy:1471 comp.sys.amiga.hardware:328 comp.sys.zenith:425 rec.ham-radio:9946
Posted: Fri Mar 2 16:20:05 1990

In article <23188@usc.edu> kjh@pollux.usc.edu (Kenneth J. Hendrickson) writes:

>
> I advise you not to buy Everex products.
>

And I advise you not to take the advice of someone who doesn't know which group to post to.

Yes I know he did follow-up to comp.sys.ibm.pc but that only means that those who read one of the above groups but not c.s.i.p will only see the posting of one person without seeing balancing viewpoints from others. If you are in that category then you should either completely ignore Kenneth's rantings or else subscribe to c.s.i.p. to read the whole story.

BTW: I have been dealing with Everex for years without having the problems that Kenneth seems to be having. But then I know how to connect a hard drive. Maybe Kenneth should stick to buying complete systems.

Follow-ups to comp.sys.ibm.pc

--
D'Arcy J.M. Cain (darcy@druid) | Thank goodness we don't get all
D'Arcy Cain Consulting | the government we pay for.

West Hill, Ontario, Canada |
(416) 281-6094 |

From -8998404810554378045
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,74d1348e0a581875,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-02 08:17:18 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!mailrus!ames!pasteur!ucbvax!UM.CC.UMICH.EDU!Michael_Edelman%Wayne-MTS
From: Michael_Edelman%Wayne-MTS@UM.CC.UMICH.EDU
Newsgroups: rec.ham-radio
Subject: Kantronics Monobanders
Message-ID: <206193@Wayne-MTS>
Date: 2 Mar 90 16:17:18 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Fri Mar 2 17:17:18 1990

Brian Shiratsuki mentioned the Kantronics monobanders. As an ex-owner of one, let me make a few comments...

When I saw these they looked like an excellent deal. I tried one out- a 10M model- at a local store and was impressed with the quality and performance. However...

Some months later I bought one from a dealer at a swap at a good price; he had 10 and 15M units for about $220. The unit doesn't come with a noise blanker as standard (!), so I called Kantronics to see if I could order one. Surprise. Kantronics no longer selss these. They sold out their entire lot to various dealers at a close-out price. They have no parts, no manuals and no service info. The outfit they recommended I talk to about service says *they* don't have manuals either. A call back to Kantronics recommended I get get touch with the manufacturer, Tokyo High Power....in Tokyo.

A nice box, but with very poor support. Kantronics is to be lauded for trying to sell it, but roundly castigated for dumping support so quickly. I don't think I'll be doing business with them again soon. I swapped my unit to a friend (with full warnings). He's reasonably happy with it.

                  --mike ke8yy
 michael_edelman%Wayne-MTS@um.cc.umich.edu
 medelma@waynest1

From 3411578603041025156
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b4772cf240026864,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-02 09:54:06 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!mailrus!iuvax!cica!greg

From: greg@cica.cica.indiana.edu (Gregory TRAVIS)
Newsgroups: rec.ham-radio
Subject: FAX tuning questions
Message-ID: <524@cica.cica.indiana.edu>
Date: 2 Mar 90 17:54:06 GMT
Reply-To: greg@cica.indiana.edu (Gregory TRAVIS)
Organization: IU Center for Inovative Computing, Bloomington IN
Lines: 32
Posted: Fri Mar 2 18:54:06 1990

I'm just getting into shortwave radio an have a question or two...

I'm trying to tune various HF weather FAX stations with varying degrees of luck. I'm a pilot and the ability to receive up-to-date weather charts via radio FAX is what got me into SW in the first place. I have a Yaesu FRG-8800 receiver, going into a Kantronics KAM TNC to a 'puter for storage/display. I've been able to pick up the Norfolk station on 8.080MHZ and make pictures.

However, I wanted to hook up a 'scope to get the tuning for the KAM spot-on. Everything I've read says that, using the WEFAX FSK format, I should see 1500HZ for a mark and 2300HZ for a space signal. In between pictures the transmitter supposedly sends a space signal continuously. If I tune to 8.078.3MHZ on the FRG-8800 and then adjust the fine tuning for 2300HZ during the time the transmitter should be sending out a constant space signal the Kantronics shows a mark signal! Moreover, using said calibration produces no recognizable picture. If I instead adjust so that the receiver is putting out 1500HZ during the space transmission, the Kantronics indicates a space signal is being received (which is what it is supposed to indicate at 2300HZ) and the ensuing picture is normal.

Is there something I'm missing? Note that I am looking right at the audio output of the receiver, not the Kantronic's output. Am I actually seeing the RF carrier and mistaking it for the modem signals? I'm tuning 800HZ below the published frequencies, USB, btw.

Also, any good public-domain IBM-PC FAX programs?

--
Gregory R. Travis   Indiana University, Bloomington IN 47405
greg@cica.cica.indiana.edu   Center for Innovative Computer Applications

---

From -7039988710684543101
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a57364f3a5f79a39,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-02 12:59:09 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!spdcc!merk!alliant!linus!mbunix!abm
From: abm@mbunix.mitre.org (Murphy)
Newsgroups: rec.ham-radio
Subject: club mtg ideas

Keywords: club meetings speakers topics
Message-ID: <99979@linus.UUCP>
Date: 2 Mar 90 20:59:09 GMT
Sender: news@linus.UUCP
Organization: The MITRE Corp., Bedford, MA
Lines: 29
Posted: Fri Mar 2 21:59:09 1990

I asked for suggestions for topics/speakers for a ham club at work.
Here are the suggestions so far - any others out there?
e-mail direct and I'll summarize

tnks 73   Alex   wd2t

*** from Phil Howard KA9WGN <phil@ux1.cso.uiuc.edu>
1. RFI: how to prevent it
2. RFI: how to cure it
3. SAFETY in the ham shack and on the tower
4. Rare DX certificates
5. What is EME all about
6. Signal processing developments
7. Soldering workshop
8. Are you grounded
9. MORE SAFETY in the ham shack and on the tower
10. The joy of fox hunting

*** from Steve Wilson KA6S
xait!think!ames!versatc!wyse!wyse.com!stevew

One program that we(the local Amateur Auxiliary) are putting on for
anyone that is interested is a combo program where we talk about
the Amateur Auxiliary(OO's) and also talk about DF techniques.
The DFing part seems to be a real popular topic. The meetings
seem to run a bit long because there are usually so many questions.

Try contacting your local OO Co-ordinator(get his name from your
ARRL Section Manager) and maybe he can help you find a speaker.

From -1807779185321513327
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,101b7196fca268f6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,101b7196fca268f6,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-03-02 13:11:04 PST
Path: gmdzi!unido!mcsun!uunet!samsung!think!snorkelwacker!apple!voder!thoreau!greg
From: greg@thoreau.nsc.com (Greg Dean)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: ISDN for linking packet and repeaters
Message-ID: <37@thoreau.nsc.com>
Date: 2 Mar 90 21:11:04 GMT
Reply-To: greg@thoreau.nsc.com (Greg Dean)

Organization: National Semiconductor, S. Portland, Maine
Lines: 27
Xref: gmdzi rec.ham-radio:9951 rec.ham-radio.packet:1854
Posted: Fri Mar 2 22:11:04 1990

In my area, there are a couple of linked voice repeater systems and several packet networks. The repeaters are linked on VHF and UHF with conventional FM tx/rx. The audio quality is OK if there is only one hop between the originating and receiving repeaters, but gets very poor if the repeaters are at opposite ends of the state.

On packet, the situation is not much better, now using 1200bps dedicated uhf backbone and/or vhf frequencies which are shared with the node users. To communicate with another station a few nodes away, it may take minutes for each packet to reach its destinition.

ISDN (Integrated Services Digital Network), is a new network protocol which aims to handle both voice and data (including X.25). Hardware (and probably software) are or will be available to facilitate an ISDN. It seems to me that ISDN running over a few microwave links would solve both of our linked repeater and packet problems. This is something the Amateur community should be on the leading edge of.

Does anyone know of any Amateur experiments planned or underway involving ISDN? Please reply to me - any replies, I'll summarize to the net.

--
Greg Dean, K1ME
(207) 775-8596
greg@thoreau.nsc.com

From 8799377396630098034
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d010a5557c8feb48,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-02 13:57:45 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!bgsu-stu!klopfens
From: klopfens@bgsu-stu.UUCP (Bruce Klopfenstein)
Newsgroups: rec.ham-radio
Subject: Satellite Audio Receive Station Equip. Needs?
Keywords: satellite
Message-ID: <5496@bgsu-stu.UUCP>
Date: 2 Mar 90 21:57:45 GMT
Organization: Bowling Green State University B.G., Oh.
Lines: 15
Posted: Fri Mar 2 22:57:45 1990

Can any of you engineering types give me some idea of how much a satellite receive station (dish and electronics) costs for a radio broadcast station? We are interested in getting one for our FM broadcast station.

Thanks for your help.

Bruce

```
--
Dr. Bruce C. Klopfenstein      |  klopfens@andy.bgsu.edu
Radio-TV-Film Department       |  klopfenstein@bgsuopie.bitnet
Bowling Green $tate University |  klopfens@bgsuvax.UUCP
Bowling Green, OH  43403       |  (419) 372-2138; 352-4818
                               |  fax (419) 372-2300
```

From -5491536407880232984
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,64ab754eaad4f406
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-03-02 17:53:36 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!wuarchive!decwrl!ucbvax!
BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins: Space Shuttle
Message-ID: <9003030903.AA27931@ucbvax.Berkeley.EDU>
Date: 3 Mar 90 01:53:36 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Sat Mar 3 02:53:36 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current elements for the current shuttle mission are provided below. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

```
STS 36
1 20512U 90 19  A 90 60.79907196  .00287007  49022-4  25599-3 0    70
2 20512  61.9920 173.5205 0002824 129.5693 149.1093 16.12511850   235
--
Dr TS Kelso                           Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil          Air Force Institute of Technology
```

From 3108999919768062629
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,40b3d58b0391dcc5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,40b3d58b0391dcc5,start
X-Google-Attributes: gidf5cc0,public

X-Google-ArrivalTime: 1990-03-02 19:22:12 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!ge-dab!tarpit!peora!tsdiag!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: * SpaceNews 26Feb90 *
Keywords: Just in case you missed it last week...
Message-ID: <196@ka2qhd.UUCP>
Date: 3 Mar 90 03:22:12 GMT
Organization: KA2QHD Public Access Un*x,Ocean NJ
Lines: 125
Xref: gmdzi rec.ham-radio:9966 sci.space:10338
Posted: Sat Mar 3 04:22:12 1990

Bulletin ID: SPC0226

=========
SpaceNews
=========

MONDAY FEBRUARY 26, 1990

SpaceNews originates at KD2BD in Wall Township, NJ, and is distributed weekly around the world on UseNet and Amateur Packet Radio. It is available for UNLIMITED distribution.

* SAREX-2 TESTING CONTINUES *
=============================
Last week, the Shuttle Amateur Radio Experiment #2 (SAREX-2) packet radio station underwent extensive testing at the Marshall Space Flight Center in Huntsville, AL according AMSAT Area Coordinator Ed Stluka (W4QAU). This testing was being perfomed in conjuction with the training of STS-35 Payload Specialist Ron Parise (WA4SIR) in the use of the ASTRO-1 experiment which will be primary payload on that shuttle mission. The primary payload, ASTRO-1, will be used to conduct a number of astronomical experiments. During the several days of testing this week, radio amateurs in the Huntsville area were invited to connect to WA4SIR and to receive a QSO number.

This special packet radio station flying on STS-35 on May 9, 1990 will give each radio amateur who connects to WA4SIR a QSO number confirming their contact. When the connecting station sends their QSL card in with this contact number, they will receive back a beautiful QSL card commemorating this HAM IN SPACE shuttle flight. The SAREX-2 packet radio station consist of a Motorola 2M FM H/T with 5 watts ouput, a Heathkit HK-21 TNC-2, and a GRiD laptop computer that has a 40 MB hard disk drive to store the calls of all the stations connecting to WA4SIR during the nine day mission. The specially written software which will be running the SAREX-2 packet station is designed to allow for completely unattended operation and logging of the calls of all connecting stations. It will also prevent duplicate QSO numbers being sent! Although no digipeating will be allowed through SAREX-2, connecting to this packet station will be like any terrestrial packet contact. Just use your

TNC along with your 2m tranceiver, and everything else is the same. After you have connected and received your QSL number from WA4SIR, on subsequent orbits you can watch for the SAREX-2 message beacons being sent periodically. The message beacons will contain information about the flight of STS-35 and other interesting items.

Look for more information about the SAREX-2 mission in AMSAT News Service (ANS) bulletins and on AMSAT HF/VHF nets in the next couple of months. For more specific information about the ASTRO-1 payload, contact the SPACELINK BBS at (205) 895-0028.

[Story via AMSAT-NA News Service]

* MICROSAT OBJECT NUMBERS *

The following are the corrected Object and Catalog numbers which apply to all MICROSAT/UoSAT element sets after orbit #260:

SATELLITE NAME	INT'L OBJECT NUMBER	CATALOG NUMBER
UO-14	90-05B	20437
UO-15	90-05C	20438
AO-16	90-05D	20439
DO-17	90-05E	20440
WO-18	90-05F	20441
LU-19	90-05G	20442

* OSCAR-11 NEWS *

Here's an actual computer status information message received from OSCAR-11:

```
**UOSAT 2 COMPUTER STATUS INFORMATION**

FAD1 Operating System v2.0b
Today's date is 24 /2 /90 (Saturday)
Universal Time is 1 :46 :27
Auto Mode is selected

SPIN PERIOD IS - 278

Z  MAG firings = 0
+ SPIN firings = 33
- SPIN firings = 20
RAM Wash Pointer at D299
WOD commenced 24 /2 /90 at 0 :0 :10
with channels 10 ,11 ,19 ,29 ,
Last cmd was 109 TO 0 WITH DATA 0

Attitude control initiated, mode 1
```

Data collection in progress

Digitalker active

* FEEDBACK WELCOMED *

Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

UUCP   : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
PACKET : KD2BD @ NN2Z (Neptune, New Jersey)

MAIL   : John A. Magliacane
Department of Electronics Technology
Brookdale Community College
Newman Springs Road
Lincroft, New Jersey 07738-1599
U.S.A.

<<< Stay on course......Say YES to Morse! >>>

<eof>

--
AMPR : KD2BD @ NN2Z (Neptune, NJ)
UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
"For every problem, there is one solution which is simple,
neat and wrong." -- H.L. Mencken

From -2441692454457064125
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d818008dd2f2cd55,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,d818008dd2f2cd55,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-03-02 19:26:10 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!crdgw1!ge-dab!tarpit!peora!tsdiag!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: * SpaceNews 05Mar90 *
Keywords: News of the Amateur Satellite Program
Message-ID: <197@ka2qhd.UUCP>
Date: 3 Mar 90 03:26:10 GMT
Organization: KA2QHD Public Access Un*x,Ocean NJ
Lines: 112
Xref: gmdzi rec.ham-radio:9967 sci.space:10339

Posted: Sat Mar 3 04:26:10 1990

Bulletin ID: SPC0305

SpaceNews

MONDAY MARCH 5, 1990

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* SHUTTLE NEWS *

Phil (KA9Q) heard UHF air-to-ground communications during the launch of shuttle ATLANTIS on mission STS-36. Phil copied a total of four very brief transmissions, all on a frequency of 259.7 MHz. The first transmission was heard at his home in New Jersey at about 02:59:30 AM EST shortly after launch. The last transmission heard at 02:59:30 EST clearly reported "APU shutdown on time".

* UoSAT-OSCAR-15 *

Experiments are under way using a large (150ft) antenna at Stanford (SRI-USA) to attempt to detect very low level signals leaking from the UoSAT-4 on-board uplink receiver local oscillators. If the spacecraft power systems are still functioning, then these signals should always be present since the receivers cannot be switched off. However, these leakage signals are deliberately minimised during the design of the satellite and so they are very weak (-60 dBm = one thousand, millionth of a watt or the equivalent to looking for a single xmas tree light in Australia!). The experiments at Stanford are therefore very demanding: it will only be possible to detect the signals from the background noise using sophisticated off-line FFT signal processing, and a one second error in antenna tracking time may miss the satellite altogether!

de G3YJO

[Story via OSCAR-11]

* BURAN NEWS *

The reusable Soviet space shuttle "BURAN", lying idle since its maiden flight a year ago is to undertake its next mission in 1991. The Soviet Union's chief rocket designer, Yuri Semyonov, told Soviet television recently, that Buran is scheduled to make an unmanned flight in the first half of 1991. A manned mission is expected to follow a year later. Long range plans call for Buran to dock with the orbiting station Mir, with the possibility of cosmonauts moving between the two to simulate a rescue operation.

* DX CORNER *

SpaceNews is available for unlimited, worldwide distribution. I'd like to personally thank ALL those who take the time to re-distribute SpaceNews on Amateur Packet Radio, telephone BBSs, and other networks. Your efforts are greatly appreciated by many people around the world.

Here is an example of one of the many mail messages I receive from those who read and enjoy receiving SpaceNews in distant places.

From Amateur Packet Radio, the following message was recently received from Germany:

```
 Msg# TSP  Size To     @ BBS  From    Date  Time Bid
 6307 PN    779 KD2BD         DL3BCH 900227 0747
Subject: to bbs: @NN2Z

Hello John.  I've just received 2
issues of SpaceNews - amazingly!
One of the only interesting bulletins
in my BBS, hihi. It was delivered by
Mario HB9RZJ@HB9AC.  Please continue if
possible. Mni tnx de Dieter DL3BCH @
DB0BQ (by the way: especially
interested in Voyager)
```

===

(Mario, could you please continue to supply the DB0BQ PBBS with SpaceNews? Thanks! de John, KD2BD)

* FEEDBACK WELCOMED *

Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

```
UUCP   : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
PACKET : KD2BD @ NN2Z (Neptune, New Jersey, USA)

MAIL   : John A. Magliacane
         Department of Electronics Technology
         Brookdale Community College
         Newman Springs Road
         Lincroft, New Jersey 07738-1599
         U.S.A.
```

<<< Stay on course......Say YES to Morse! >>>

<eof>

--
AMPR : KD2BD @ NN2Z (Neptune, NJ)
UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
"For every problem, there is one solution which is simple,
neat and wrong." -- H.L. Mencken

From 623854652450055940
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a5e922cf4dc25694
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-26 13:57:03 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!mcdphx!hrc!valley!pfluegerm
From: pfluegerm@valley.UUCP (Mike Pflueger)
Newsgroups: rec.ham-radio
Subject: Re: RTTY and/or Packet with a TS-440s
Summary: ACC2
Keywords: Correct Connections Needed
Message-ID: <48e1aedd.15840@valley.UUCP>
Date: 26 Feb 90 21:57:03 GMT
References: <1470@raybed2.UUCP>
Organization: AG Communication Systems
Lines: 25
Posted: Mon Feb 26 22:57:03 1990

In article <1470@raybed2.UUCP>, ewb@raybed2.UUCP (EUGENE BALINSKI) writes:
> Is there anyone out there who is presently using a Kenwood TS-440s and
> any of the newer TNC/TU's like a KAM or PK-232 ? I'm considering various
> hookup schemes and was wondering how you are doing it. Are you going in
> the AFSK ports on the back or are you using ACC-2 ? Are you muting the mike
> on the back connector etc. Any help would be appreciated. I hope to be

I have my TS-440 hooked to my PK-232 via ACC2. Yes, I use the mike mute lead also. Drive the 440 PTT line AND mike mute lines with the PK-232 PTT output thru 2 switching diodes. Everything else is a direct connect.

Only 1 thing - the 440 wants a little higher audio level than the PK232 puts out, so the 440's mic gain (which works normally when feeding ACC2) needs to be turned up to about 50% for proper levels (note - for voice operation, my mike gain is set at about 25%).

Be careful soldering the 13 pin DIN connector - the plastic melts at low temps and the pins move around.

--
Mike Pflueger @ AG Communication Systems (formerly GTE Comm. Sys.), Phoenix, AZ
UUCP: {...!ames!ncar!noao!asuvax | uunet!hrc | att}!gtephx!pfluegerm
Work: 602-582-7049   FAX: 602-581-4850
Packet: WD8KPZ @ W1FJI   Internet: PLEASE USE UUCP PATH (NOT INTERNET)!

From -4328868409765645314
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,12c177665b0c57d3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-26 14:28:00 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!bionet!agate!ucbvax!
wishep.physics.wisc.edu!GOTT
From: GOTT@wishep.physics.wisc.edu
Newsgroups: rec.ham-radio
Subject: I want three miles range, and I need it cheap.
Message-ID: <20022616280309@wishep.physics.wisc.edu>
Date: 26 Feb 90 22:28:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 24
Posted: Mon Feb 26 23:28:00 1990

Greetings.
I am not a ham radio operator but it was recommended by a friend who is
one that I post a note here to try and get some info.
The situation is that I want to get a few (2-5) approx. three watt transcivers
with two or three channels for use at summer camp, as such they need to be
portable (where portable is defined as under 5 lbs.).
The problem with walkie-talkies is the ones I have found (at Radio Shack)
are too expensive. What I would like to know is...
1. Who sells walkie talkies cheaper than Radio Shack ($50 for 3 watt, 3 channel rig)
1. Is there some clearinghouse of "used but working" equipment I could get?
2. Is there some clearinghouse of not-working-but-fixable equipment?
3. Is there some book/magazine/manual that would tell me how to build such things?
4. Are CB's a reasonable option?

I do not read this board so please e-mail your responses to...
Bitnet   : GOTT@WISHEP
  or
Internet : GOTT@WISHEP.PHYSICS.WISC.EDU

Thanks in advance.

George K. Ott

From 3725327282986474021
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,aab1625d76b4772a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-26 15:23:20 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!briar.philips.com!rfc
From: rfc@briar.philips.com (Robert Casey)
Newsgroups: rec.ham-radio

Subject: HR2510 10meter rig mod
Message-ID: <82874@philabs.Philips.Com>
Date: 26 Feb 90 23:23:20 GMT
Sender: news@philabs.Philips.Com
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 84
Posted: Tue Feb 27 00:23:20 1990

copied from packet
From: kd6th@kd6th.nj.usa (reqfil)
Message-ID: <19567@KD6TH>

INFORMATION ON THE HR2510 10 METER RADIO

1: THE HR2510 USES A DRIVER AND FINAL IN CONJUCTION TO GIVING YOU FULL 25 WATTS ON SSB.

2: THE DRIVER IN THE HR2510 IS COMPLETELY INTERCHANGEABLE WITH THE FINALS FOUND IN MOST RADIOS LIKE COBRA(2000GTL) AND THE UNIDEN (710E) AND IT CAN HANDLE UP TO 20 WATTS OF POWER. THE DRIVER IN THE HR2510 IS (2SC2166).

3: THE FINAL IN THE HR2510 IS A (MRF477) IT CAN HANDLE ABOUT 50 WATTS OF POWER. THIS IS A FURTHER INDICATION THAT THE RADIO WAS BUILT FOR POWER.

4: THE HR2510 HAS (AN612) BALANCE MODULATOR WHICH IS THE SAME FOUND IN A COBRA (148GTL) CB RADIO.

5: THE HR2510 USES A (10 MHZ I.F.) LIKE THE COBRA (146GTL) CB RADIO. AS A RESULT, THE RECEIVE IS VERY SIMILAR TO THE 146GTL CB RADIO.

6: THE HR2510 INSTEAD OF USING COILS, LIKE THE JACKSON RADIOS. thE HR2510 UTILIZES A WIDE - BAND TOROIDAL TRANSFORMER AT OUTPUTS TO ELIMINATE TUNING AND GET THE WIDE BANDWIDTHS NEEDED TO OPERATE THE (26 MHZ TO 30 MHZ).

EXPANDED FREQUENCY COVERAGE FOR THE UNIDEN HR2510

THIS RADIO COVERS A FULL 26-30 MHZ WITH A SIMPLE 10-MINUTE CIRCUIT CHANGE. NO FURTHER REALIGNMENT IS EVEN NEEDED, SINCE IT USES BROADBAND TUNING AND WAS DESIGNED TO COVER ALL THIS RANGE IN THE FIRST PLACE.

PRODCEDURE:

1: LOCATE PINS 34 AND 35 OF THE MAIN UP CHIP IC315. (CALLED "UC1201A", UC117", ETC.) THIS IS THE LARGEST CHIP ON THE SYNTHESIZER BOARD, PB121BB.

2: THESE PINS ARE GROUNDED ON THE HR2510 , BUT ARE TIED HIGH (5.0 VDC) ON THE EUROPEAN MODELS LIKE THE PRESIDENT LIINCOLN. ALL THATS REQUIRED IS TO BREAK THE GROUNDING PC TRACE AND TIE THEM INSTEAD TO A +5.0 VDC SOURCE THROUGH A PULLUP RESISTOR.

```
3: ON THE SOLDER SIDE OF THE SYNTHESIZER PCB, YOULL NOTICE THAT PIN 34 AND
35 ARE SOLDERED TOGETHER AND ARE CONNECTED TO THE MAIN GROUND FOIL. USING
A RAZOR BLADE OR EXACTO KNIFE, CUT THE FOIL AT A NARROW SPOT TO BREAK THIS
CONNECTION.

4: NOW NOTICE THAT THE LEFT-MOST PIN OF PULLUP RESISTOR PACK RR301 IS UNUSED
AND GOES TO AN ISOLATED ISLAND FOIL PAD.(HOW COINCIDENTAL!) JUST TACK A SMALL
JUMBER WIRE BETWEEN THIS PIN OF RR301 AND THE PAD OF IC315 PINS 34 AND 35, AND
YOU'LL BE IN BUSINESS!
     ----------------------------------------------------------------
OK !
----------------------------------------------------------------------
YOU NOW HAVE A RADIO USEFUL NOT ONLY FOR 10 METER HAM OPERATION, BUT ALSO FOR
LISTENING* TO THE KIND OF ROAD INFORMATION AND EMERGENCIES FOR WHICH CB HAS
PROVEN ITSELF REPEATEDLY. THE INDICATED COVERAGE ON THE FRONT PANEL WILL BE:

*don't transmit, this isn't a type accepted radio!

BAND A = 28.000 TO 28.490 MHZ
BAND E = 26.000 TO 26.490 MHZ
BAND B = 28.500 TO 28.990 MHZ
BAND F = 26.500 TO 26.490 MHZ
BAND C = 29.000 TO 29.490 MHZ
BAND G = 26.965 TO 27.405 MHZ
BAND D = 29.500 TO 29.990 MHZ
BAND H = 27.000 TO 27.490 MHZ
BAND I = 27.500 TO 27.990 MHZ

BAND "G" IS THE STANDARD CB BAND STARTS UP AT CH.9, 27.065 MHZ.

(Note: I haven't tried this, proceed at your own risk. And.....
***DO NOT transmit outside of the Ham band!***
    (you don't want to loose your license!)

    Use the above to listen only, or for use with a transverter.
    Or use with a dummy load, to generate test signals for checking
    receivers.    WA2ISE)
cmd:


From 2513423335844277781
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3d9c041d6e27e2d6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-26 15:39:55 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!brutus.cs.uiuc.edu!usc!
pollux.usc.edu!kjh
From: kjh@pollux.usc.edu (Kenneth J. Hendrickson)
Newsgroups: rec.ham-radio
Subject: Re: Measurement of Harmonics
Keywords: Attenuators Harmonics Directional Couplers
Message-ID: <23091@usc.edu>
```

Date: 26 Feb 90 23:39:55 GMT
References: <2619@wyse.wyse.com>
Sender: news@usc.edu
Organization: EE-Systems, Univ. of So. Calif., Los Angeles
Lines: 11
Posted: Tue Feb 27 00:39:55 1990

In article <2619@wyse.wyse.com> pgraham@wyse.wyse.com (PC-NFS Philip Graham x1124 #) writes:

>What is the best way to measure harmonics of radio gear?

A cheap way to detect the presence of harmonics, (if they are really strong!), is to use a low pass filter with a simple power meter. If you see significant change in power with the insertion/removal of the low-pass filter, then you probably have significant harmonic content in your signal. I have used this technique a lot at 10 GHz, where spectrum analyzers are expensive and hard to come by.

Ken Hendrickson N8DGN   kjh@usc.edu   ...!uunet!usc!pollux!kjh

From 2577619790451877061
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fc1756e81b90363,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-26 15:47:17 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!uwm.edu!lll-winken!ncis.tis.llnl.gov!helios.ee.lbl.gov!pasteur!ucbvax!hplabs!hpfcso!hpfinote!jsb
From: jsb@hpfinote.HP.COM (Jeff Beauprez)
Newsgroups: rec.ham-radio
Subject: Flames 0 Tact 1
Message-ID: <16170013@hpfinote.HP.COM>
Date: 26 Feb 90 23:47:17 GMT
Organization: Hewlett Packard CICD
Lines: 29
Posted: Tue Feb 27 00:47:17 1990

What is it about this forum that has people flaming each other before they even engage their brains??? It gives the non-ham readers a great perspective of us.

A case in point... In a recent basenote someone ask for information about an amplifier he had bought, and was about to use it on 11 meters. That had napalm coming out of every orifice on the net. Did anyone think that he was not aware of what he was doing?

I wrote him a friendly note relating what the limits were for 11 meters and what could happen if he were to use it, and get caught. I also said that this might be just the thing to get him interested in Amateur Radio.

He wrote back and was wanting all the information he could get on us Hams. His interest in radio had aways been strong, but he never made the contact with the Amateur community. He was very greatfull for the comments and said he was going to pursue his ticket.

I reminded him that not all hams that use this forum are A**holes and have the napalm storage option on their discs.

```
   --... ...--   --... ...--    -.. .   .-- --- ----- .---
   Jeff Beauprez WO0J  Volunteer Examiner

   Hewlett-Packard CICD R&D                jsb@hpfijsb.HP.COM
   3400 E. Harmony Rd                      (303)229-3964
   Ft. Collins, CO 80525
   --.- .-. .--.   .. -.   - .... .   .-. --- -.-. -.- .. . ...
```

From -5103685686255177820
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5386a1d6291a4f94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-26 16:28:12 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!hellgate.utah.edu!helios.ee.lbl.gov!pasteur!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Nocode
Message-ID: <7880124@hpfcdc.HP.COM>
Date: 27 Feb 90 00:28:12 GMT
References: <1606@east.East.Sun.COM>
Organization: HP Ft. Collins, Co.
Lines: 26
Posted: Tue Feb 27 01:28:12 1990

Re: lid filters

Maybe we need a more direct approach. Give each US ham three demerit votes. When a lid is encountered, the ham sends a demerit vote to the FCC. If a lid receives more than three demerits per year from different hams, the lid loses their license for a while. Yes, it could be abused, but the abusers would lose their licenses, too.

Re: memorization

I memorized my way to a BSEE. The multiple-guess tests are no different than what goes on in colleges across the country. The only difference is that hams memorize Ohms Law, while engineering students derive it from Maxwell's equations.

It would be better if the VECs could mix up the a/b/c/d order, though. Fill-in-the-blank would be the next step.

As I understand it, we (US hams) have quite a bit of leeway from the

FCC. If we want to change the question pool, or the format of the test, I think the opinion of the ARRL and US hams would carry some weight.

Perry Scott
KC0CA

From 4308423686733142426
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a53bc31479238ae6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-26 16:42:42 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!
hellgate.utah.edu!helios.ee.lbl.gov!pasteur!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: MFJ quality
Message-ID: <7880125@hpfcdc.HP.COM>
Date: 27 Feb 90 00:42:42 GMT
References: <23047@usc.edu>
Organization: HP Ft. Collins, Co.
Lines: 9
Posted: Tue Feb 27 01:42:42 1990

I have the 949C tuner. Now that I've built an amplifier capable of 300W (the 949C's limit), I find that I burn out switch contacts if I use full rated power on it.

I guess I'll have to find rig up a pair of 6-position ceramic (aka REAL) RF switches. I am a little disappointed, but not entirely surprised.

Perry Scott
KF0CA

From 641223629979572407
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2329461143f926e6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-26 16:45:31 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!bionet!agate!ucbvax!
ucbarpa.Berkeley.EDU!bks
From: bks@ucbarpa.Berkeley.EDU (Brian K. Shiratsuki)
Newsgroups: rec.ham-radio
Subject: Re: small QRP HF transceivers
Message-ID: <34531@ucbvax.BERKELEY.EDU>
Date: 27 Feb 90 00:45:31 GMT
References: <9002261406.AA03880@ucbvax.Berkeley.EDU>
Sender: usenet@ucbvax.BERKELEY.EDU
Reply-To: bks@ucbarpa.Berkeley.EDU.UUCP (Brian K. Shiratsuki)
Organization: University of California, Berkeley
Lines: 17

Posted: Tue Feb 27 01:45:31 1990

In article <9002261406.AA03880@ucbvax.Berkeley.EDU> IZZYH79@OAC.UCLA.EDU (Arun Jain) writes:
> ...Anyway, there are apparently several models for different
>bands, from 40 meters through 10 meters, each monoband.
>I plan on doing a several week hike in the Sierras this
>coming summer and I am looking into the possibilities for
>ham equipment to take along...

kantronics makes some monoband hf equipment, but from the picture
it looked closer to mobile-sized rather than ht-sized. also, i
recall they delivered a bit more than qrp power, perhaps 25W. i
saw them in the ege (now haro) catalog.

also, aea makes a 10m, large-ht-sized qrp radios which include a
built-on antenna. i'm not sure what other bands (if any) are
available.

brian

From -4526221039642706550
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d3e3fc875f98575
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-26 17:43:34 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!pacific.mps.ohio-state.edu!zaphod.mps.ohio-state.edu!rpi!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: You ask me to memorize...
Message-ID: <30500428@ux1.cso.uiuc.edu>
Date: 27 Feb 90 01:43:34 GMT
References: <5120007@hpindda.HP.COM>
Lines: 23
Nf-ID: #R:hpindda.HP.COM:5120007:ux1.cso.uiuc.edu:30500428:000:1061
Nf-From: ux1.cso.uiuc.edu!phil   Feb 26 17:08:00 1990
Posted: Tue Feb 27 02:43:34 1990

> >As I understand it, the Canadian Digital class was restricted to packet only
> >i.e. no voice privileges to support coordinating and setting up packet
> >operations, or just getting in contact with the rest of the ham population.
>
> This is fortunately incorrect. Canadian Digital Amateur privs include
> [AFP][0-59].* (in other words, all known modes) from 2 meters up. Below
> 2 meters, on the other hand, we have no privs whatsoever.

Ah... so unless there are some other unusual or unacceptable restrictions,
then this license class does suffer from lack of publicity. Of course
being "south of the border" I would not know much about it (as my above
ignorance shows) but had THAT existed when I was in high school here, I

would have been a ham 14 years earlier than I did.

It might be curious to see who can bring in the most hams in the US when the nocode license becomes a reality.

So a "Digital" ham in Canada can go buy a 2 meter HT and call up any other ham over the local 2 meter repeater?

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From 8129361489481453511
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,37c0e516b05e01b,start
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X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-02-26 17:47:04 PST
Path: gmdzi!unido!mcsun!uunet!munnari.oz.au!kaukau.comp.vuw.ac.nz!comp.vuw.ac.nz!massey!GMoretti
From: GMoretti@massey.ac.nz (Giovanni Moretti)
Newsgroups: rec.ham-radio,sci.electronics
Subject: How does one build LOG AMPS (>60dB dynamic range)
Message-ID: <596@massey.ac.nz>
Date: 27 Feb 90 01:47:04 GMT
Organization: Massey University, Palmerston North, New Zealand
Lines: 26
Xref: gmdzi rec.ham-radio:9858 sci.electronics:5473
Posted: Tue Feb 27 02:47:04 1990
X-Reader: NETNEWS/PC Version 2.1

I've build a spectrum analyser (0-100MHz) that has a 10.7MHz IF (from HAM-RADIO years ago) and it works quite well but I'm not happy with the log-amp/detector.

The detector at 10.7MHz is cascade of amplifier stages each with the same gain (10dB) and a diode halfwave detector from each stage. The outputs of the detector are summed. Unfortunately it needs a lot preset pots to get it working correctly and its linearity is not as high as I'd like.

Also I'd like to try making a direct conversion spectrum analyser - it would need to be DC coupled. The log detector would then run at a much lower frequency. I've tried using S-meter output of a CA3089 and its logarithmic but doesn't have the required dynamic range (> 60dB).

How does one make real log amps that don't need lots of preset adjustment?

Ideas ??

Giovanni

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---------------------------------------------------------------------------------
|   GIOVANNI MORETTI, Consultant     | EMail: G.Moretti@massey.ac.nz          |
|Computer Centre,  Massey University | Ph 64 63 69099 x8398, FAX 64 63 505607 |
|   Palmerston North, New Zealand    | QUITTERS NEVER WIN, WINNERS NEVER QUIT |
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From 8301542461772061655
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Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!bionet!agate!ucbvax!VM1.NoDak.EDU!MN007334
From: MN007334@VM1.NoDak.EDU (Todd Enders WD0BCI)
Newsgroups: rec.ham-radio
Subject: Thoughts on 90-55, Grandfathering, etc.
Message-ID: <9002270830.AA14664@ucbvax.Berkeley.EDU>
Date: 27 Feb 90 03:28:31 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 61
Posted: Tue Feb 27 04:28:31 1990

As the discussion of the merits/foibles of the no-code proposal rage on, I've seen numerous discussions of how existing Novices and Techs should be grandfathered into the *new* licensing structure. Well, I think the FCC will be inclined to grant little beyond exam credit for elements passed (i.e. you will get credit for those exam elements already passed, but no additional privleges). They will also be inclined to preserve the existing privleges even though the license classes in question may disappear.

So, if you are inclined to believe that Techs will be grandfathered to general, DON'T HOLD YOUR BREATH!!! If the past is any indication, it ain't going to happen. Look at what happened to Techs after *Novice Enhancement*: The *old* Techs got NO extra priv's outside of what was given to the Novice class, but they are given credit for passing elements 3A and 3B.

If ever the FCC had an excuse to grandfather the old Techs to general, this was it, in that the ONLY difference between an old Tech and a General was the code requirement. It's been a popular myth that someday the FCC would grandfather Techs to General. This myth has been around longer than I have been a ham (13 yrs), and still presists. But, the FCC never did, and I have serious doubts that they will!

As far as I'm concerned, there should be only two license classes:

1. All privleges (bands, modes, power, etc) 50 MHz and above.

2. All privleges, All bands.

The second license would only require obtaining a CW endorsement (to satsify ITU regs) to the ticket granted above (1). The theory tests would be IDENTICAL (!!!). This would get us back to a very simple licensing structure, much easier to administer than the current (and some proposed) scheme.

Of course, this will, in all probability, never come about. Incentive licensing has done more to stratify the amateur population in the US than anything I can think of. If a simplified licensing structure such as what I have illustrated above were ever to come up for consideration, the objections raised by those factions (and they know who they are) determined to protect their turf, so to speak, would doom it to defeat in short order. Incentive licensing was a BAD idea in 1964, and it's still a bad idea today.

Regardless of what happens to the existing classes, the success or failure of the no-code license depends on a couple of factors. First, they must be integrated into the VHF mainstream. This means access to 2 meters (at least, 6 would be super along with 2). Face it, the vast majority of operation at VHF is conducted on 2 meter FM (I don't want to start a flame war or to denegrate the users of any other VHF band or mode, but have you ever tried to work 2m SSB away from populated areas when the band's not open?)

Second, for the benefit of all concerned, we NEED to clean up our collective act in regard to operating practices. We all could be a little more courteous and considerate of others when operating. Most of the problems on 20 meter phone could be cured with a healthy does of courtesy and common sense. If/when no-code becomes a reality, we are going to have to set a good example for the new ops to avoid chaos (we're already setting a good example for the newcommers, right???).

Todd Enders WD0BCI   ARPA: mn007334@vm1.nodak.edu
Computer Center   UUCP: ...!ihnp4!vm1.nodak.edu!mn007334
Minot State University   BITNET: mn007334@ndsuvm1
Minot, ND 58701

From -5812665781527691121
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9930530d9c08a180,start
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From: wb2hbz@ka2qhd.UUCP (Jim Dockery Kinnelon NJ)
Newsgroups: rec.ham-radio
Subject: FCC PR Docket 90-55 Read First
Keywords: Codeless License
Message-ID: <190@ka2qhd.UUCP>
Date: 27 Feb 90 04:02:12 GMT
Organization: KA2QHD Public Access Un*x,Ocean NJ
Lines: 24
Posted: Tue Feb 27 05:02:12 1990

Following is the complete text of the FCC Codeless Proposal, known as PR Docket No. 90-55. Although Iave attempted to proofread the document, I may not have caught all of my typos, especially since it was a fairly long document to type and I did it in one sitting. The typos that were in the iginal FCC document have been left intact.

I have dividedt into four parts due to its length.

If you don't want it, now's the time to hit the "N" key
but for those who do, here goes...

73,

Jim Dockery, WB2HBZ
ARRL Section Emergency Coordinator
Northern New Jersey Section

The opinions expressed above are mine. They do not represent the views of the American Radio Relay League, its directors or any other elected official of the league.

From -2254917600452127401
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From: wb2hbz@ka2qhd.UUCP (Jim Dockery Kinnelon NJ)
Newsgroups: rec.ham-radio
Subject: FCC PR Docket 90-55 Part 1/4
Keywords: Codeless License
Message-ID: <191@ka2qhd.UUCP>
Date: 27 Feb 90 04:08:48 GMT
Organization: KA2QHD Public Access Un*x,Ocean NJ
Lines: 307
Posted: Tue Feb 27 05:08:48 1990

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Before the
Federal Communications Commission
Washington, D.C. 20554

PR Docket No. 90-55

In the Matter of		
Amendment of Part 97 of the	RM-6984	RM-6985
Commission's Rules Concerning	RM-6986	RM-6987
the Establishment of a Codeless	RM-6988	RM-6989
Class of Amateur Operator License	RM-6990	RM-6991
	RM-6992	RM-6993
	RM-6994	RM-6995

NOTICE OF PROPOSED RULE MAKING

Adopted: February 8, 1990; Released: February 16, 1990

By the Commission:

I. INTRODUCTION

1. In this Notice of Proposed Rule Making (Notice), we propose to establish a new class of amateur operator license that would not require the applicant to prove that he or she can send and receive manual Morse code telegraphy messages. This proceeding was initiated by twelve petitions for rule making filed on matters generally relating to amateur operator license class structure, requirements and privileges.(1)

II. BACKGROUND

2. The amateur service exists for the purpose of self-training, intercommunication and technical investigations carried out by duly authorized persons interested in radio technique solely with a personal aim and without pecuniary interest.(2) Article 32 of the international Radio Regulations requires, among other things, that each person seeking a license to operate the apparatus of an amateur station prove that he or she has the ability to send correctly by hand to receive correctly by ear text in Morse code signals. Although this requirement may be waived for an operator of an amateur station transmitting only on frequencies above 30 MHz(3), each of the five classes of operator licenses issued by the Commission(4) requires the applicant to pass an examination in the international Morse code.(5)

3. Over the years, the Commission has received requests from persons who want to pursue the purposes of the amateur service, but who argue that Morse code telegraphy is an unnecessary barrier to obtaining a license. Historically, however, the amateur community has strongly supported a telegraphy skill requirement for every class of amateur operator license. In a 1974 rule making proceeding(6), and again in a 1983 rule making proceeding(7), amateur licensees showed nearly unanimous opposition to proposals for a no-code license.

4. In the 1974 rule making proceeding, we proposed an overall restructuring of the classes of amateur operator license. Included in those proposals was the establishment of a codeless class of license. Although it resulted in several improvements to the license structure, the proceeding was terminated without action on the codeless license class.(8) It was during the pendency of this proceeding that the computer-aided license application processing system currently in use was developed. The capability for processing a sixth class of license, therefore, was incorporated into the design for the system. In the 1983 rule making proceeding, the Commission again sought ways to provide a class of codeless license. One proposal was the deletion of the slow speed telegraphy examination requirement for the Technician Class license.(9) The alternative proposal was a new operator license class patterned after a Canadian codeless class of amateur license, and having very difficult written examination requirements. The proceeding was also strongly opposed by the amateur community and was terminated without action.(10) The above-listed petitions initiating this proceeding, however, indicate that the sentiment in the amateur community now appears to favor a codeless license class. The ARRL, for example, states that it now supports a codeless license as being "beneficial to the future, short and long term, of the Amateur Service."(11) The issue of a codeless class of amateur operator license, therefore, should be considered in light of current circumstances in the amateur service.

III. DISCUSSION

5. A significant segment of the amateur community has a new view of the role of telegraphy in the future of the service. David Stall states that "numerous recent surveys have demonstrated that the concept of a no-code license is rapidly attracting a wide base of support within the amateur community."(12) The ARRL states that its recent studies show:

> Encouraged by changes in the FCC rules, packet radio and other digital modes have become extremely popular and have led to amateur radio becoming increasingly attractive to computer-literate individuals who pssess the ability to contribute significantly to the service, but who fail to perceive the relevance of the manual Morse code. Many amateurs welcome the idea of providing a gateway to these individuals. The possibility now exists to dispassionately evaluate a codeless amateur license on its own merits. It is this factor that accounts for what the League perceives as a

> significant shift in attitudes among amateurs toward a codeless amateur license.(13)

6. The SCATG states that the time is right for a codeless class of license:

> Morse code operations were once the only way to make radio communications possible. It is now just a facet of an entire spectrum of possible methods of radio communications. It is no longer in keeping with the basis and purpose of the Amateur Radio service and to stress one facet of radio communications over all others. Knowledge of code doesn't eliminate rules violations or uncourteous operations.(14)

7. Burt Fisher, a teacher of electronics at a regional high school, states "the public need would best be served if there were a door into amateur radio that had a limited code requirement. Once in the door, these youngsters would be tempted to the rest of the world (and technology) of amateur radio. The public would be served as the base of potential scientists and technicians would be enhanced..." He believes that a written examination could be used to ascertain that an entry level license applicant has knowledge of telegraphy.(15) Michael Trahos believes that it is essential to have a codeless beginner license so that the amateur service will not stagnate or experience a decrease in the number of licensees. He believes that if a codeless license is not established, the number of licensed amateur operators will decrease, with a consequent increasing re-allocation of amateur service spectrum by the Commission to the land mobile services.(16)

8. John McCord believes a codeless classs of license would "attract many young minds to the hobby of amateur radio..."(17) Dennis and Linda Welch find the issue of a codeless class of license contentious and defended mostly by the older amateurs and championed by the very population needed for expansion.(18) Bill Welsh, who has a personal preference for code operation, foresees "that its years as a realistic amateur radio licensing requirement are coming to an end."(19) James E. Taylor states that telegraphy is no longer necessary and that the number of

amateur operators must be drastically increased in order to "continue to justify our existence."(20) Clement Bourgeois, however, disagrees. He states that a knowledge of telegraphy by every amateur operator is essential. He does believe, however, that the high speed telegraphy examination(21) should be reduced to 15 words-per-minute or less.(22) Larry Ballentine suggests that telegraphy examinations only require the examinee to recognize telegraphy characters, rather than to send and receive text at specific rates of speed.(23)

9. Operator License Structure. The petitions espouse various views on the structure of the license ladder. The general consensus, however, is that a codeless class of license should be the beginning step on the ladder. The ARRL believes that there is nothing antiquated or irrelevant about the Morse code, or its use in the Amateur Radio Service, but that this is a "matter that some individuals must learn for themselves, in order

to appreciate that relevance."(24) Most of the petitions favor a structure that avoids any negative effect upon any current licensee. One approach would add a sixth class of operator license modeled after the Novice Class, without the telegraphy requirement. He believes that a codeless license should provide "a no-code entry into amateur radio without disrupting the existing classes, privileges, or incentives."(25) Burt Fisher also favors the sixth class approach,(26) as does ARRL, with the codeless class positioned in the license structure so that there is an upward path "to the present Technician license by way of a five words per minute More code examination..."(27)

10. Another approach taken in the petitions is to preserve the current five class structure by conversion of the Novice Class to a codeless class. John McCord, for example, recommends elimination of the telegraphy requirement for the Novice license.(28) In addition to conversion of the Novice Class, Dennis and Linda Welch also suggest a merger of the Technician and General Classes.(29) The SCATG recommends that the Novice Class be gradually replaced by a non-renewable codeless class that would "minimally disrupt the existing license structure to avoid disenfranchising current licensees. ...[t]he new license should avoid isolating the newcomer from the mainstream of amateur radio operators and operations while maintaining the incentive to upgrade and providing attractive privileges for the newcomer...."(30)

11. Other petitions suggest major revisions to the license class structure. James Taylor states that prospective amateur

operators "are put off by the present complex, layered structure of our hobby..." He suggests one all-purpose operator class.(31) Alan Horowitz suggests "a no-code ham license, similar to Canada's license structure."(32) Michael Trahos, however, states that "[t]he Canadian no-code experience has clearly shown that creation of a no-code license class with examination requirements greater than that of the lowest available code license class fails to promote interest in, or insignificantly increases, the number of licensed amateur radio operators."(33) He suggests, instead, two new codeless classes.(34) Bill Welsh believes that emission mode privileges should be earned "by passing written and on-the-air operating tests that are directly related to the desired additional emission/mode privilege being sought."(35) He suggests that all frequency segments no offered as incentives be eliminated.(36)

12. Operator privileges. The petitions generally concur that, as a minimum, a station control operator holding a codeless class of license be authorized all emission privileges on the 1.25 meter (m) and shorter wavelength bands. For the longer wavelength bands, however, there are several views, starting with James Taylor's recommendation that all possible privileges be authorized to the codeless class.(37) Michael Trahos and SCATG recommend including the 6 m and 2 m bands.(38) Burt Fisher recommends authorizing the 52-54 MHz segment in the 6 m band. He also recommends include the 2 m band, but excluding emission F3E

on that band.(39) The ARRL recommends excluding operation on both the 6 m and 2 m bands.(40) Dennis and Linda Welch,(41) David Stall,(42) and John McCord make recommendations similar to those of the ARRL. John McCord, however, suggests including digital type emission privileges on the 6 m and 2 m bands.(43)

13. The petitions recommend that the eligibility for the codeless class of license, like all amateur operator licenses, require the passing of a written examination. The ARRL states that the written examination should reflect the privileges to be earned and require a greater commitment than does the present Technician class written examination. It believes that the lessons learned from codeless license programs in other countries necessitate a significant written examination. The ARRL recommends, therefore, that a written examination for the codeless license be administered under the Volunteer Examiner Coordinator (VEC) system. The ARRL also recommends a 60 question written examination consisting of the current 55 question written examination for the Technician Class Operator license, augmented by five additional questions related to the specific privileges

afforded the codeless licensees. Two of the new questions would be concerned with the application and use of telegraphy and the remainder would be concerned with digital communication techniques.(44) The SCATG states that the written examination should consist of 50 questions.(45)

14. The petitions also suggest names for a new codeless class of license. The SCATG suggests "Apprentice."(46) Burt Fisher suggests "Novice-V."(47) Michael Trahos suggests "Novice-Plus" and "Technician-Plus."(48) David Stall suggests "Limited."(49) The ARRL states that its suggested name "Communicator," although "not exactly reflective of the type of license envisioned in the proposal... is, however, the most descriptive among those alternatives considered."(50)

IV. PROPOSAL

15. We believe that the petitions have merit. Further, like the petitioners, we believe that this is a propitious time to propose the establishment of a codeless license, given the advances in electronic communications in the past few years. We propose, therefore, to establish a codeless class of amateur operator license, the Communicator Class. With respect to this proposed operator class, we have established three objectives. Our first objective is to offer an entry level license opportunity to all persons who find the telegraphy requirement a barrier to pursuing the purposes of the amateur service. Our view is best expressed by the statement of the ARRL that "the goal of the codeless amateur license is to bring such licensees in to the 'mainstreem' of the Amateur Radio Service, and to encourage them to upgrade their license class."(51) Our second objective is to propose a type of license that can be implemented quickly if a decision is made to proceed. Our third objective is to avoid any negative effect upon current licensees, upon the work of the volunteer examiners, or upon the Commission's

From -2554699230223367919
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From: wb2hbz@ka2qhd.UUCP (Jim Dockery Kinnelon NJ)
Newsgroups: rec.ham-radio
Subject: FCC PR Docket 90-55 Part 2/4
Keywords: Codeless License
Message-ID: <192@ka2qhd.UUCP>
Date: 27 Feb 90 04:11:55 GMT
Organization: KA2QHD Public Access Un*x,Ocean NJ
Lines: 246
Posted: Tue Feb 27 05:11:55 1990

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workload and resources. To preclude any impact on our resources, it is imperative that our existing computer-aided application processing system be utilized "as is."(52) The proposed rule amendments are contained in the attached Appendix.

16. In proposed Sections 97.501 and 97.503(b)(1), we would require that the applicant for a Communicator Class license pass a 60 question written examination, as requested by ARRL. In sum, there would be an expanded entry level examination and corresponding question pool. We concur with ARRL that the written examination for the Communicator Class License should correspond to the privileges for that class of license.(53) The new question pool would be comprised of questions from the two pools currently used in the Novice and Technician license examinations, and new questions as requested by ARRL.(54) By incorporating existing questions, over 91 percent of the question pool for a Communicator Class license would already be available and would help facilitate a smooth transition.(55)

17. Operator license structure. In proposed Section 97.9, we would incorporate the Communicator Class in a simplified license structure containing four ascending steps: Communicator, General, Advanced, and Amateur Extra Classes. Current Technician and Novice Class operator licenses would be grandfathered indefinitely. There would be no new licenses issued for those license classes, but existing licenses could be modified or renewed. This approach would meet the objectives we established in paragraph 15. Dennis and Linda Welch, John McCord and SCATG suggested preserving the five-step ladder by eliminating the telegraphy examination requrement from the Novice class license. This approach deserves careful consideration by the amateur community because of its simplicity. We did not propose this approach because of its disadvantage of lowering the license qualification standards for the Novice operator class. As such, it may be unacceptable to the hundreds of thousands of amateur operators, included the 85,000 current Novice Class licensees, who qualified for the Novice licence by passing a telegraphy examination. The Novice Class has operating privileges below 30 MHz, necessitating the need for a knowledge of telegraphy as described in paragraph 2.

18. For future licensees, the Communicator Class license would be the first step in the license structure instead of the

Novice Class. Our premise is that most newcomers to the service, given the choice, would elect to qualify for the Communicator Class license rather than the Novice Class license. There would, therefore, no longer be a need for the Novice Class license, We particularly invite instructors, volunteer examiners (VEs), and VECs to submit comments on the validity of this premise, including factual information on the time and effort that would be required for persons to prepare tor the proposed 60 question Communicator Class written examination as compared to the time and effort currently required for the Novice Class 30 question written examination and telegraphy examination.

19. Because the written examination for the Communicator Class license would be more comprehensive than that of the Technician Class license, the Communicator Class would also serve in the stead of the Technician Class for future licensees. Each step in the proposed four step structure provides recognition that the holder has significantly advanced his or her skill in both the communication and technical phases of the radio art.(56) This structure could be rapidly implemented. The present license application processing system and license application form would continue to be used.(57)

20. Operator Privileges. The proposed control operator privileges of the Communicator Class would generally be those suggested by the ARRL. The privileges would include all authorized emission types. The proposed transmitter power standard would be 200 watts peak envelope power. The licensee's station would be eligible for a Group D call sign.(58) Stations with Communicator Class control operators would not be permitted to transmit on the 2 m and 6 m bands. In view of ARRL's desire to bring the codeless class into the mainstream of the amateur service,(59) however, we particularly invite comment on the effect of excluding Communicator Class licensees from these two popular bands.

21. The ARRL stated that one premise for its petition was that an accommodation should be made for codeless class licensees to upgrade their license class. It cited countries that have codeless licenses where the written examination tests the examinee's technical qualifications. The ARRL stated that amateur service societies in countries such as Australia, the Federal Republic of Germany, and Belgium report ongoing telegraphy activities among the codeless class licensees working to upgrade the license class.(60) While the proposed Communicator Class privileges include telegraphy on the 1.25

meter and shorter wavelength bands, we recognize that telegraphy operation is more closely assiciated with the HF bands. The opportunity for newcomers to the amateur service actually to send and receive messages in the Morse code on small segments of the HF 80, 40, 15, and 10 meter bands is provided to the Novice and Technician Classes so that those operators can gain an appreciation of telegraphy tand acquire the proficiency needed to pass the telegraphy examination for the General Class operator license. We specifically request comments, therefore, concerning the desirability of including the opportunity for Communicator Class licensees also to experience on-the-air telegraphy operation on the HF bands. In view of our obligation under the provisions of the international Radio Regulations,(61) if it is desired, only domestic communications on the HF bands would be authorized.

22. Under proposed Section 97.301(g), a Communicator Class licensee who passes, or otherwise receives credit for a telegraphy examination, would be authorized the additional privileges of the Technician Class.(62) To avoid a license processing burden, however, the documentation of the passing of,

or credit for, a telegraphy examination would be evidenced by the Certificate of Successful Completion of Examination (CSCE) issued by the administering VEs,(63) rather than by the issuance of a Technician Operator license. Theindicator used by the Communicator Class for identification purposes would be AC.(64) Under propsed Section 97.505(a)(1), VEs would be authorized to grant examination credit, evidenced by a CSCE, to a Communicator Class examinee for the slow speed telegraphy examination when the examinee holds a Novice Operator license.(65) That combination, Communicator Class license and CSCE, would permit the Communicator Class licensee the same rights and privileges of the Technician Class operator. The VECs would provide listings, in paper or magnetic for, of the Communicator Class licensees who have been issued the CSCE.

23. Volunteer examiners. The instant proposal contains substantive changes in the amateur operator license examination procedure and the issuance of amateur operator licenses and CSCEs. All operator license examinations would be administered under the VEC system.(66) The additional task of administering the Communicator Class would be offset by the elimination of other tasks, included the discontinuance of the two-examiner system for the Novice Class license.(67) The coorination and oversight by the VECs provide more credible results than does the two examiner system. In the latter, examination administration

errors are more common and cheating is a greater problem than in the VEC system. The task of administering new Technician Operator Class licenses would also be discontinued.(68) The Novice and Technician written examinations would no longer be prepared and adminsisted as separate examinations. The VEs and VECs, moreover, coulb e reimbursed for out-of-pocket costs incurred in connection with all examinations.(69)

V. CONCLUSION

24. We believe that this proposal would achieve the objectives set forth in paragraph 15 above. We seek comments, therefore, on the proposed revisions to Part 97 to establish a Communicator Class Operator license for the amateur service, as set forth in the attached Appendix.

VI. PROCEDURAL MATTERS

25. For purposes of this non-restricted notice and comment rule making proceeding, members of the public are advised that ex parte presentations are permitted except during the Sunshine Agenda period. Se generally 47 C.F.R. & 1.1206(a). The Sunshine Agenda period is the period of time which commences with the release of a public notice that a matter has been placed on the Sunshine Agenda and terminates when the Commission (1) releases the text of a decision or order in the matter; (2) issues a public notice stating that the matter has been deleted from the Sunshine Agenda; or (3) issues a public notice stating that the matter has been returned to the staff for further consideration, whichever occurs first. 47 C.F.R. & 1.202(f). During the Sunshine agenda period, no presentation, ex parte or otherwise,

are permitted unless specifically requested by commission or staff for the clarification or adduction of evidence or the resolution of issues in the proceeding. 47 C.F.R. & 1.1203.

26. In general, an ex parte presentation is any presentation directed to the merits or outcome of the proceeding made to decision-making personnel which (1) if writte, is not served on the parties to the proceeding, or (2), if oral, is made without advance notice to the parties to the proceeding and without opportunity for them to be present. 47 C.F.R. & 1.1202(b). Any person who makes or submits a written ex parte presentation shall provide on the same day it submitted two copies of same under separate cover to the Commission's Secretary for inclusion in the public record. The presentation (as well as any transmittal letter) must clearly indicate on its face the docket number of the particular proceeding to which it relates and the fact that two copies of it have been submitted to the Secretary, and must be labeled or captioned as an ex parte presentation. 47 C.F.R. & 1.1206

27. Any person who is making an oral ex parte presentation and presents data or arguments no already reflected in that person's written comments, memoranda, or other previous filings in that proceeding shall provide on the day of the oral presentation an original and one copy of a written memorandum to the Secretary (with a copy to the Commissioner or staff member involved) which summarizes the data and arguments. The memorandum (as well as any transmittal letter) must clearly indicate on its face the docket number of the particular proceeding and the fact that an original and one copy of it have been submitted to the Secretary, and must be labeled or captioned as an ex parte presentation. 47 C.F.R. & 1.1206.

28. Authority for issuance of this Notice is contained in Sections 4(i) and 303(l) and (r) of the Communications Act of 1934, as amended. 47 U.S.C. && 154(i) and 303(l) and (r). Pursuant to applicable procedures set forth in Sections 1.415 and 1.419 of the Commission's Rules, 47 C.F.R. && 1.415 and 1.419, intested parties may file comments on or before August 6, 1990,

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From 2384678001486630684
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,37c0e516b05e01b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,37c0e516b05e01b
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-02-26 20:29:42 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!uwm.edu!cs.utexas.edu!rice!uw-beaver!milton!whit
From: whit@milton.acs.washington.edu (John Whitmore)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: How does one build LOG AMPS (>60dB dynamic range)

Summary: National Semiconductor AN-264 explains it
Message-ID: <2154@milton.acs.washington.edu>
Date: 27 Feb 90 04:29:42 GMT
References: <596@massey.ac.nz>
Reply-To: whit@milton.acs.washington.edu (John Whitmore)
Organization: University of Washington, Seattle
Lines: 37
Xref: gmdzi rec.ham-radio:9859 sci.electronics:5477
Posted: Tue Feb 27 05:29:42 1990

In article <596@massey.ac.nz> GMoretti@massey.ac.nz (Giovanni Moretti) writes:

> I've build a spectrum analyser (0-100MHz) that has a 10.7MHz IF (from HAM-RADIO years ago) and it works quite well but I'm not happy with the log-amp/detector.

Most log amps use the relationship that the base-emitter voltage of a transistor is proportional to the logarithm of the emitter current (sometimes approximated as the collector current). A good low-noise transistor will follow this "ideal diode" curve for about eight orders of magnitude in the collector current (power ratio 160 dB). Routine use of this effect is complicated by the temperature dependence of the equation,

Ie= Is * exp(q* Vbe/(k * T))

and a good logarithm amplifier either needs a second (matched) transistor at the same temperature to set the operating point, or a thermostat. The National Semiconductor Linear Applications databook has one thermostat-style solution, in AN-264. The thermostat they use employs three transistors, with one transistor doing the logarithm conversion, a second measuring the temperature, and a third acting as the heater. The thermostat approach does NOT require matched transistors.

The second approach, with matched transistors is slightly less accurate (mainly because of mismatched emitter resistances at elevated currents), but works at lower total power dissipation. I think the National databook has one of these, also; AN-29, Figure 23.

I would suggest using the cookbook circuits, since at the lowest current ranges these are not terribly easy to frequency-compensate (i.e. the op amps will likely oscillate), and these circuits have already been debugged.

The second part of your problem is the precise rectification of the IF-frequency signal; all I can think of is a good hot-carrier diode, and keeping 60 dB of accuracy there is not going to be easy. Good luck.

Your local National Semiconductor distributor (or the representatives in Australia: telephone (03) 729-6333) can supply the application notes I quoted above.

I am known for my brilliance,   John Whitmore
 by those who do not know me well.

From 7505214827806353465
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,534420960d07178a,start
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-02-26 21:24:32 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!brutus.cs.uiuc.edu!rpi!crdgw1!ge-dab!tarpit!peora!tsdiag!ka2qhd!wb2hbz
From: wb2hbz@ka2qhd.UUCP (Jim Dockery Kinnelon NJ)
Newsgroups: rec.ham-radio
Subject: FCC PR Docket 90-55 Part 3/4
Keywords: Codeless License
Message-ID: <193@ka2qhd.UUCP>
Date: 27 Feb 90 05:24:32 GMT
Organization: KA2QHD Public Access Un*x,Ocean NJ
Lines: 428
Posted: Tue Feb 27 06:24:32 1990

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and reply comments on or before September 7, 1990. All relevant and timely comments will be considered by the the Commission before final action is taken in this proceeding. To file formally in this proceeding, participants must file an original and four copies of all comments and reply comments. If participants want each Commissioner to receive copies of their comments, an original and nine copies must be filed. Comments and reply comments must state the proceeding to which they relate (PR Docket Number). They should be sent to the Secretary, Federal Communications Commission, Washington, D.C. 20554. Comments and reply comments will be available for public inspection during regular business hours in the Dockets Reference Room (Room 239) of the Federal Communications Commission, 1919 M Street N.W., Washington, D.C. 20554.

29. In accordance with Section 605 of the Regulatory Flexibility Act of 1980, 5 U.S.C. & 605, the Commission certifies that these rules would not, if proulgated, have a significant economic impact on a substantial number of small entities, because these entities may not use an amateur station to transmit any communication the purpose of which is facilitate the business or commercial affairs of any party. See 47 C.F.R. & 97.113(a). Moreover, the proposed rules would not require the use of or significantly enhance the sale of any additional amateur station apparatus.

30. The proposal contained herein has been analyzed with respect to the Paperwork Reduction Act of 1980, 44 U.S.C. & 3501 et seq., and found to increase the information collection burden which the Commission imposes on the public. This proposed increase in the information collection burden is subject to

approval by the Office of Management nd Budget as prescribed by the Act.

31. A copy of the Notice will be forwarded to the Chief Counsel for Advocacy of the Small Business Administration.

FEDERAL COMMUNICATIONS COMMISSION

Donna R. Searcy
Secretary

APPENDIX

Part 97 of Chapter I of Title 47 of the Code of Federal Regulation is proposed to be amended as follows:

1. The authority citation for Part 97 continues to read as follows:

Authority citation: 48 Stat. 1066, 1082, as amended; 47 U.S.C. & 303. Interpret or apply 48 Stat. 1064-1068, 1081-1105, as amended; 47 U.S.C. && 301-609, unless otherwise noted.

2. Section 97.9 is revised to read as follows:

& 97.9 Operator License

(a) The classes of operator licenses are Communicator, General, Advanced, and Amateur Extra. There are also two grandfathered classes of operator licenses, Novice and Technician. An operator license authorizes the holder to be the control operator of a station with the privileges of operator class specified on the license. The license document or a photocopy thereof must be in the personal possession of the licensee at all times when the person is the control operator of a station.

(b) A person holding a Communicator Class operator license and who holds a CSCE indicating that the person passed element 1(A), 1(B), or 1(C) is authorized to exercise the rights and privileges of the Technician Class for the duration of the license and renewal thereof.

(c) A person holding a Novice, Technician, Communicator, General, or Advanced Class operator license who has properly filed with the FCC an application for a higher operator class that has not yet been acted upon, and who holds a CSCE indicating that the person passed the necessary examinations within the previous 365 days is authorized to exercise the rights and privileges of the higher operator class.

3. Section 97.17(a) is revised to read as follows:

& 97.17 Application for new license.

(a) Any qualified person is eligible to apply for an amateur service license. No new Novice or Technician Class operator licenses will be issued.

* * * * *

4. Section & 97.119(e) is revised to read as follows:

& 97.119 Station Identification.

* * * * *

(e) When the control operator is using privileges on the basis of holding a CSCE, an indicator must be included after the call sign as follows:

(1) AC for Communicator Class Operator;
(2) AG for General Class Operator;

(3) AA for Advanced Class Operator;
(4) AE for Amateur Extra Class operator.

* * * * *

5. Section 97.301(a) is revised and a new paragraph (g) is added to read as follows:

& 97.301 Authorized Frequency Bands.

* * * * *

(a) For a station having a control operator holding a Technician, Communicator, General, Advanced or Amateur Extra Class operator license:

Wave-length band	ITU Region 1	ITU Region 2	ITU Region 3	Sharing requirements See & 97.303 Paragraph:
VHF	MHz	MHz	MHz	
1.25 m	---	222-225	---	(a).(b).(e)
UHF	MHz	MHz	MHz	
70 cm	430-440	420-450	420-450	(a).(b).(f)
33 cm	---	902-928	---	(a).(b).(g)
23 cm	1240-1300	1240-1300	1240-1300	(j)
13 cm	2300-2310	2300-2310	2300-2310	(a).(b).(j)
-do-	2390-2450	2390-2450	2390-2450	(a).(b).(j)
SHF	GHz	GHz	GHz	
9 cm	---	3.3-3.5	3.3-3.5	(a).(b).(k).(l)
5 cm	5.650-5.850	5.650-5.925	5.650-5.850	(a).(b).(m)
3 cm	10.00-10.50	10.00-10.50	10.00-10.50	(b).(c).(i).(n)
1.2 cm	24.00-24.25	24.00-24.25	24.00-24.25	(a).(b).(i).(o)
EHF	GHz	GHz	GHz	
6 mm	47.0-47.2	47.0-47.2	47.0-47.2	
4 mm	75.5-81.0	75.5-81.0	75.5-81.0	(b).(c).(h)
2.5 mm	119.98-120.02	119.98-120.02	119.98-120.02	(k).(p)
2 mm	142-149	142-149	142-149	(b).(c).(h).(k)
1 mm	241-250	241-250	241-250	(b).(c).(h).(q)
---	above 300	above 300	above 300	(k)

* * * * *

(g) For a station having a control operator holding a Technician, General, Advanced or Amateur Extra Class operator license:

Wave-length band	ITU Region 1	ITU Region 2	ITU Region 3	Sharing requirements See & 97.303 Paragraph:
VHF	MHz	MHz	MHz	
6 m	---	50-54	50-54	(a)
2 m	144-146	144-148	144-148	(a)

6. Section 97.501 revised to read as follows:

& 97.501 Qualifying for an amateur operator license.

An applicant must successfully pass an examination for the issuance of a new amateur operator license and for each change in the operator class. Each applicant for the class of operator license specified below must pass, or otherwise receive examination credit for, the following examination elements.

(a) Amateur Extra Class operator: Element 1(C), and elements 3(A), 3(B), 4(A), and 4(B);

(b) Advanced Class operator: Element 1(B) or 1(C), and elements 3(A), 3(B), and 4(A);

(c) General Class operator: Element 1(B) or 1(C), and elements 3(A), and 3(B);

(d) Communicator Class operator: Element 3(A).

7. Paragraphs (b) and (c) of Section 97.503 are revised to read as follows:

& 97.503 Element Standards.

* * * * *

(b) A written examination must be such as to prove that the examinee possesses the operational and technical qualifications required to perform properly the duties of an amateur service licensee. Each written examination must be comprised of a question set as follows:

(1) Element 3(A): 60 questions concerning the privileges of a Communicator Class operator license. The minimum passing score is 45 questions answered correctly.

(2) Element 3(B): 25 questions concerning the additional privileges of a General Class operator license. The minimum passing score is 19 questions answered correctly.

(3) Element 4(A): 50 questions concerning the additional privileges of an Advanced Class operator license. The minimum passing score is 37 questions answered correctly.

(4) Element 4(B): 40 questions concerning the additional privileges of an Amateur Extra Class operator license. The minimum passing score is 30 questions answered correctly.

(c) The topicls and number of questions required in each question set are listed below for the appropriate examination element:

Topics	Element: 3 (A)	3 (B)	4 (A)	4 (B)
(1) FCC rules for the amateur radio services	15	4	6	8
(2) Amateur Station operating procedures	7	3	1	4
(3) Radio wave propagation characteristics of amateur service frequency bands	4	3	2	2
(4) Amateur radio practices	11	5	4	4
(5) Electrical principles as applied to amateur station equipment	6	2	10	6
(6) Amateur Station equipment circuit components	4	1	6	4
(7) Practical circuits employed in amateur station equipment	3	1	10	4
(8) Signals and emissions transmitted by amateur stations	4	2	6	4
(9) Amateur station antennas and feed lines	6	4	5	4

8. Section 97.505(a) is revised to read as follows:

& 97.505 Element credit.

(a) The administering VEs must give credit as specified below to an examinee holding any of the following documents:

(1) An unexpired (or within the renewal grace period) FCC-issued Novice Class operator license: Element 1(A) and the 30 written questions in Element 3(A) based upon the material from the written examination passed for the Novice Class operator license.

(2) An unexpired (or within the renewal grace period) FCC-issued Communicator Class operator license: Element 3(A).

(3) An unexpired (or within the renewal grace period) FCC-issued Technician Class operator license: Element 3(A).

(4) An unexpired (or within the renewal grace period) FCC-issued Technician Class operator license issued before March 21, 1987: Elements 3(A) and 3(B).

(5) An unexpired (or within the renewal grace period) FCC-issued General Class operator license: Elements 1(B), 3(A), and 3(B).

(6) An unexpired (or within the renewal grace period) FCC-issued Advanced Class operator license: Elements 3(A), 3(B), and 4(A).

(7) A CSCE: Each element the CSCE indicates the exmanee passed within the previous 365 days.

(8) An unexpired (or within the renewal grace period) FCC-issued commercial radiotelegraph operator license or permit: Element 1(C).

* * * * *

9. Section 97.507 is revised to read as follows:

& 97.507 Preparing an Examination.

(a) Each telegraphy message and each written question set administered to an examinee must be prepared by a VE holding an FCC-issued Amateur Extra Class operator license. A telegraphy message or written question set, however, may also be prepared for the following elements by a VE holding an

FCC-issued operator license of the Class indicated:

(1) Element 3(B): Advanced Class operator.

(2) Elements 1(A) and 3(A): Advanced or General Class operator.

(b) Each question set administered to an examinee must utilize questions taken from the applicable question pool.

(c) Each telegraphy message and each written question set administered to an examinee for a Communicator, General, Advanced or Amateur Extra Class operator license must be prepared, or obtained from a supplier, by administering VEs according to instructions from the coordinating VEC.

(d) A telegraphy examination must consist of a message sent in the international Morse code at no less than the prescribed speed for a minimum of 5 minutes. The message must contain each required telegraphy character at least once. No message known to the examinee my be administered in a telegraphy examination. Each 5 letters of the alphabet must be counted as 1 word. Each numeral, punchuation mark and prosign must be counted as 2 letters of the alphabet.

```
From 2432492368627032505
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,37c0e516b05e01b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,37c0e516b05e01b
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-02-26 21:26:03 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!jarvis.csri.toronto.edu!utgpu!
watserv1!watcgl!watnext!johnw
From: johnw@watnext.waterloo.edu (John Wieczorek)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: How does one build LOG AMPS (>60dB dynamic range)
Message-ID: <13547@watcgl.waterloo.edu>
Date: 27 Feb 90 05:26:03 GMT
References: <596@massey.ac.nz>
Sender: daemon@watcgl.waterloo.edu
Reply-To: johnw@watnext.waterloo.edu (John Wieczorek)
Organization: University of Waterloo, Ontario, Canada
Lines: 28
Xref: gmdzi rec.ham-radio:9860 sci.electronics:5479
Posted: Tue Feb 27 06:26:03 1990
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A fellow from New Zeland wanted to know how to go about assembling a log amp. Probabley the easiest way is to get an Intersil ICL8048. I needs two resistors, a small 180pf cap and +/- 15 V and you're in business. It has 120 dB dynamic range for current input and 60 dB for voltage input.

The voltage is just turned into current. The voltage precision is then limited by the offsets of its internal op-amps. You can build wider range circuits discretely with either chopper stabilized and /or low Ib op amps but the jump in cost and time from this chip in performance is about 5x money and 30x time.

For you information: log amps and anti-log amps exploit the relationship that for a bipolar transistor Veb varies as the log of Ic. The chip packages it all very nicely for you. Analog Devices also has several entries in this field, but they are hybrids vs Intersil monolithics which translates to higher cost.

I've used the chip, it's cute.

John Wieczorek

Disclaimer: The views and information contained herein are vicious lies, and are in fact taken from the drunken musing of my three, beer swilling, chain saw wielding but otherwise successfully house trained pet Blue Yukon mongooses.

```
From 7161017578695145628
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5efb5ec5ac7b2f63,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-26 21:27:42 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!zaphod.mps.ohio-state.edu!
rpi!crdgw1!ge-dab!tarpit!peora!tsdiag!ka2qhd!wb2hbz
From: wb2hbz@ka2qhd.UUCP (Jim Dockery  Kinnelon NJ)
Newsgroups: rec.ham-radio
Subject: FCC PR Docket 90-55 Part 4/4
Keywords: Codeless License
Message-ID: <194@ka2qhd.UUCP>
Date: 27 Feb 90 05:27:42 GMT
Organization: KA2QHD Public Access Un*x,Ocean NJ
Lines: 275
Posted: Tue Feb 27 06:27:42 1990
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10. In Section 97.511, the heading and the text are revised to read as follows:

& 97.511 Operator license examination.

(a) Each session where an examination is administered must be coordinated by a VEC. Each administering VE must be accredited by the coordinating VEC.

(b) Each examination for a Communicator Class operator license must be administered by 3 administering VEs, each of whom must hold an FCC-issued Amateur Extra or Advanced Class operator license.

(c) Each examination for a General, Advanced or Amateur Extra Class operator license must be administered by 3 administering VEs, each of whom must hold an FCC-issued Amateur Extra Class operator license.

(d) The administering VEs must make a public announcement before administering an examination. The number of candidates at any exmination may be limited.

(e) The administering VEs must issue a CSCE to an examinee who scores a passing grade on an examination element.

(f) Within 10 days of the administration of a successful examination, the administering VEs must submit the application to the coordinating VEC.

11. Section 97.513 is removed.

12. In Section 97.519, new paragraph (d) is added to read as follows:

& 97.519 Coordinating examination sessions.

* * * * *

(d) Each coordinating VEC must compile lists of Communicator Class operator licenses who have been issued a CSCE for Element 1(A), 1(B), or 1(C) during each calendar month. The VEC must forward a copy of the list to the Private Radio Bureau, FCC, Washington, DC 20554, by the 10th day following the end of the month.

13. Section 97.527 is amended by revising paragraph (a), removing paragraph (c) and redesignating paragraphs (d) (e) (f) and (g) as (c) (d) (e) and (f) to read as follows:

& 97.527 Reimbursement for expenses.

(a) VEs and VECs my be reimbursed by examinees for out-of-pocket expenses incurred in preparing, processing, administering, or coordinating an examination.

* * * * *

FOOTNOTES

(1) The petitions were received from the American Radio Relay League, Inc. (ARRL) (RM-6995), Larry Ballentine (RM-6991), Clement Bourgeois, Jr. (RM-6988), Burt Fisher (RM-6989), Alan Horowitz (RM-6984), John M. McCord (RM-6993), the Space Coast Amateur Technical Group (SCATG) (RM-6986), David K. Stall (RM-6994), James E. Taylor (RM-6985), Michael C. Trahos (RM-6990), Dennis and Linda Welch (RM-2987), and Bill Welsh (RM-6992). Subsequent to the Public Notice listing of the foregoing petitions, two additional petitions addressing the same matter were received from Larry Garens and Philip Howard. These petitions are included in the record of this notice and comment proceeding and will be given full consideration prior to a final determination in this matter.

(2) See No. 53 of the International Telecommunication Union Radio Regulations (geneva, 1979) (hereafter Radio Regulations). See also 47 U.S.C. & 153(q).

(3) See No. 2735 of the Radio Regulations.

(4) The license classes are, in ascending steps, Novice, Technician, General, Advanced and Amateur Extra.

(5) The examinations cover three levels of telegraphy skill. They are 5, 13, and 20 words-per-minute. The examinee must also pass certain written examination elements, depending upon the operator license class sought. See Sections 97.501 and 97.503 of the Commission's Rules, 47 C.F.R. && 97.501 and 97.503.

(6) Notice of Proposed Rule Making, Docket No. 20282, 39 Fed. Reg. 44042 (1974).

(7) Notice of Proposed Rule Makeing, PR Docket No. 83-28, 48 Fed. Reg. 4855 (1983).

(8) Third Report and Order, Docket No. 20282, 44 Fed. Reg. 16461 (1979).

(9) The qualification requirements for a Technician Class Operator license are passing the five words-per-minute telegraphy

examination, the 30 question written examination for a Novice Class Operator license, and the 25 question written examination for a Technician Class Operator license.

(10) Report and Order, PR Docket No. 83-28, 49 Fed. Reg. 1097 (1984).

(11) RM-6995 at 21.
(12) RM-6994 at 3.

(13) RM-6995 at 12 and 13, N. 11.
(14) RM-6996 at 3.
(15) RM-6989 at 1 and 2.
(16) RM-6990 at 5.
(17) RM-6993 at 2.
(18) RM-6987 at 1.
(19) RM-6992 at 1.
(20) RM-6985 at 1.

(21) The highest speed telegraphy requirement is 20 words-per-minute for the Amateur Extra Class operator license.

(22) RM-6988 at 2 and 3.
(23) RM-6991 at 1.
(24) RM-6995 at 15.
(25) RM-6994 at 1.
(26) RM-6985 at 1.
(27) RM-6995 at 18.
(28) RM-6993 at 1.
(29) RM-6987 at 2.
(30) RM-6986 at 1.
(31) RM-6985 at 1 and 2.
(32) RM-6984 at 1.
(33) RM-6990 at 4.
(34) RM-6990 at 20.
(35) RM-6992 at 2 and 3.
(36) RM-6992 at 3.
(37) RM-6985 at 2.
(38) RM-6990 at 21, and RM-6986 at 2.
(39) RM-6989 at 1.
(40) RM-6995 at 20.
(41) RM-6987 at 2.
(42) RM-6994 at 1.
(43) RM-6993 at 1.
(44) RM-6995 at 17 and 18.
(45) RM-6986 at 2.

(46) RM-6986 at 1.
(47) RM-6989 at 1.
(48) RM-6990 at 20.
(49) RM-6994 at 1.
(50) RM-6995 at 17.
(51) RM-6995 at 19.
(52) The sixth license class designation is "Communicator."
(53) A written examination must be designed to demonstrate that the examinee has the operational and technical qualifications required to perform properly the duties of an amateur service licensee in accordance with the privileges authorized by the class of operator license sought. See 47 U.S.C. & 303(1)(1) and 47 C.F.R. & 97.503(b).

(54) Section 97.523, 47 C.F.R. & 97.523, requireds all VECs to cooperate in maintaining one question pool for each written examination element. Each pool must contain at least 10 times the number of questions required for a single examination.

(55) The current Technician Class question pool consists of 250 questions. There are currently 300 questions in the Novice Class question pool. An additional 50 question would be added, giving the proposed Communicator Class question pool a total of 600 questions.

(56) See Section 97.1(c), 47 C.F.R. & 97.1(c).

(57) Until a revised FCC Form 610 becomes available, the administering VEs would write in certain information on the current form in the case of an application for a Communicator Operator license. We would furnish information to the VECs for temporary use of the current form, if we decide to proceed with the Communicator Class license.

(58) The computer-aided application processing system selects a new call sign from four basic groupings for assignment to an amateur station. Each call sign is sequentially selected from an alphabetized region-group list that corresponds to the licensee's class of operator license and mailing address.

(59) RM-6995 at 19.
(60) RM-6995 at 14.

(61) See Radio Regulations, Nos. 2735 and 2736.

(62) The additional privileges include RTTY and data emissions

and phone emissions J3E and R3E in a segment of the 10 meter band, and all authorized emissions in the 2 and 6 meter bands. See && 97.301 and 97.303.

(63) A Certificate of Successful Completion of Examination is now issued by VEs. See Section 97.511(e), 47 C.F.R. & 97.511(e).

(64) Section 97.119(e) requires that an indicator must be included after the call sign whenever the control operator is using privileges based on hold a CSCE. The indicator AC is proposed for the Communicator Class.

(65) Currently, Section 97.505(a)(2), 47 C.F.R. & 97.505(a)(2), requires VEs to give credit to an examinee holding a certificate of successful examination (CSCE) indicating the examination was passed within the previous 365 days. Currently, Section 97.9(b), 47 C.F.R. 97.9(b), authorizes a licensee holding a CSCE indicating that he or she has completed the necessary examinations within the privious 365 days to exercise the rights and privileges of the higher operator class. The time limitation that would apply to the use of a CSCE in conjunction with the Communicator Class license authorizing the rights and privileges of the Technician Class would be the duration of the license term and renewal thereof.

(66) Eighteen organizations function as VECs. They accredit VEs, coordinate examination sessions, maintain the question pools, provide instructions to VEs, review and forward completed license application forms to the Commission for processing. Some 50,000 examinations are administered annually under the VEC system.

(67) Some 18,000 to 20,000 persons qualify for a Novice Operator Class license annually. The examinations are administered by two General, Advanced, or Amateur Extra Operator Class licensees selected by the examinee.

(68) Some 10,000 to 15,000 persons qualify for the Technician Operator Class license annually.

(69) Currently, VEs and VEC may only be reimbursed by examinees for expenses incurred in preparing, processing, administering or coordinating an examination for a Technician, General, Advanced,

or Amateur Extra Class Operator license. See 47 U.S.C. &
154(f)(4)(J) and 47 C.F.R. & 97.527.

From -5362441885204656603
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3fdfbcc5fa91adec
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-27 06:04:05 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!rutgers!rochester!rit!cci632!rkd
From: rkd@cci632.UUCP (Ray Downes)
Newsgroups: rec.ham-radio
Subject: Re: Bearcat 200XLT Mod
Message-ID: <34689@cci632.UUCP>
Date: 27 Feb 90 14:04:05 GMT
References: <9002130348.AA14607@DELPHI.MIT.EDU> <5521@dell.dell.com> <13097@cbnewse.ATT.COM>
Reply-To: rkd@cci632.UUCP (Ray Downes)
Organization: Computer Consoles Inc. an STC Company, Rochester, NY
Lines: 21
Posted: Tue Feb 27 15:04:05 1990

Randall J. Davis writes:

> BTW: I thought the mod was to *add* a resister, not cut one out....

Bob Parnass responded:

> Wrong.

Ok, now I'm confused (easily so I guess). I just received one of these (BC200XLT) via Grove. It makes my PRO34 look and feel very wimpy - how much are PRO34's worth on the used market? Grove included instructions that ADD a 2-10k resistor from pin 8 of one of the K1013 ICs down to a resistor adjacent to IC UC-1147. The mod seems to work, though I don't have enough working experience with the radio to know if I've lost some other operation.

Are there two way to make this mod? If so, what's the "better" way? Hacking out a resistor may cause slightly less power drain (but harder to undo)? I've just started a _Monitoring Times_ subscription, can anyone recommend a back issue article to read related to this?
--

Ray Downes, CCI, (716) 482-5000   rutgers!rochester!cci632!rkd

---

From 5712945825744050071
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3d9c041d6e27e2d6
X-Google-Attributes: gid10c9e3,public

X-Google-ArrivalTime: 1990-02-27 06:29:33 PST
Path: gmdzi!unido!mcsun!uunet!fernwood!decwrl!elroy.jpl.nasa.gov!usc!snorkelwacker!spdcc!merk!alliant!linus!philabs!briar.philips.com!rfc
From: rfc@briar.philips.com (Robert Casey)
Newsgroups: rec.ham-radio
Subject: Re: Measurement of Harmonics
Message-ID: <82959@philabs.Philips.Com>
Date: 27 Feb 90 14:29:33 GMT
References: <2619@wyse.wyse.com> <23091@usc.edu>
Sender: news@philabs.Philips.Com
Reply-To: rfc@briar.philips.com.UUCP (Robert Casey)
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 15
Posted: Tue Feb 27 15:29:33 1990

>In article <2619@wyse.wyse.com> pgraham@wyse.wyse.com (PC-NFS Philip Graham x1124 #) writes:
>>What is the best way to measure harmonics of radio gear?
>

I've done the following to sense if I have a significant problem with harmonics in 2 meter rigs: I found that cable-ready TV sets' channel 35 tunes around 292 Mhz, which is the 2nd harmonic of 146 Mhz. Connect the TV to an outside antenna, or rabbit ears (disconnect the catv). Key up the rig under test. See if you see any signal on the TV (you should see something, a clean rig will still produce a few uVolts which the TV will pick-up.) Compare the first rig with another one (like a commercial made HT). If you get similar signal strengths, you're *probably* OK. If you produce a big whopping signal with the rig under test, you know what that means!
Anyone know who lives around 292Mhz?

73 de WA2ISE

From 4273627700615271145
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,42be6b488d2872b2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-27 07:33:19 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!uwm.edu!dogie.macc.wisc.edu!decwrl!sun-barr!newstop!east!hienergy!jimv
From: jimv@hienergy.East.Sun.COM (Jim Vienneau - CSS Program Manager)
Newsgroups: rec.ham-radio
Subject: HAM stuff forsale
Message-ID: <1627@east.East.Sun.COM>
Date: 27 Feb 90 15:33:19 GMT
Sender: news@east.East.Sun.COM
Reply-To: jimv@hienergy.East.Sun.COM (Jim Vienneau - Sun BOS Cust Serv)
Organization: Sun Microsystems, Billerica MA
Lines: 33
Posted: Tue Feb 27 16:33:19 1990

Posted for a friend:

Kenwood 599T/R twins

-Covers 80-10m
-AM/SSB/CW
-All solid state except finals
-Well over 100 Watts
-Matching speaker
-Excellent condition
-Original boxes/packing, shipping negotiable

$450.00/BO

ICOM IC-04AT

-440 Mhz HT
-5 watts high power
-LCD readout
-10 memories
-Has extented xmt/rcv mod installed
-Runs off 12v direct

$225.00/BO

Call Ed (KA1SRD) at 508-345-6664 (days/eves). Equipment is available
to licensed amateurs only.
Jim Vienneau, Sun Microsystems Inc - Billerica, MA
Email: jvienneau@east.sun.com   Amateur Radio: WB1B
Good old Ma Bell (well old anyway): (508)671-0372

From 2268573671172544556
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7eeaa515e6be40b1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-27 08:15:37 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!mips!apple!sun-barr!newstop!east!hienergy!jimv
From: jimv@hienergy.East.Sun.COM (Jim Vienneau - CSS Program Manager)
Newsgroups: rec.ham-radio
Subject: Sorry, misposting (HAM stuff for sale)
Message-ID: <1629@east.East.Sun.COM>
Date: 27 Feb 90 16:15:37 GMT
Sender: news@east.East.Sun.COM
Reply-To: jimv@hienergy.East.Sun.COM (Jim Vienneau - Sun BOS Cust Serv)
Organization: Sun Microsystems, Billerica MA
Lines: 8
Posted: Tue Feb 27 17:15:37 1990

Before the internet folks flame for sending a "for sale" ad to this group:

* It was an accident *, I meant to add the ".swap"! So, it's not available
to folks on the internet!

Jim Vienneau, Sun Microsystems Inc - Billerica, MA
Email: jvienneau@east.sun.com   Amateur Radio: WB1B
Good old Ma Bell (well old anyway): (508)671-0372

From 4334453807886930315
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3d5baefa14341256,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-27 09:05:26 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!dvinci!news
From: hardie@herald.usask.ca (Peter Hardie)
Newsgroups: rec.ham-radio
Subject: Re: Canadian digital to advanced
Message-ID: <1990Feb27.170526.1479@dvinci.usask.ca>
Date: 27 Feb 90 17:05:26 GMT
Sender: news@dvinci.usask.ca
Organization: University of Saskatchewan, Saskatoon, Canada
Lines: 8
Posted: Tue Feb 27 18:05:26 1990

WRONG, WRONG, WRONG!!!!
Those who have only the digital license will NOT be grandfathered into
the Advanced license. They will only get VHF and above.
Those who currently hold the Amateur license (theory, regs and 10wpm) will
be grandfathered into the Advanced license.
Pete
VE5VA

From 6173874727011232658
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,37c0e516b05e01b
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 105d97,37c0e516b05e01b
X-Google-Attributes: gid105d97,public
X-Google-ArrivalTime: 1990-02-27 09:07:15 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!udel!haven!mimsy!fe2o3!michael
From: michael@fe2o3.UUCP (Michael Katzmann)
Newsgroups: rec.ham-radio,sci.electronics
Subject: Re: How does one build LOG AMPS (>60dB dynamic range)
Message-ID: <321@fe2o3.UUCP>
Date: 27 Feb 90 17:07:15 GMT
References: <596@massey.ac.nz>
Reply-To: michael@fe2o3.UUCP (Michael Katzmann)
Followup-To: rec.ham-radio
Organization: Rusty's BSD machine at home
Lines: 14
Xref: gmdzi rec.ham-radio:9873 sci.electronics:5483

Posted: Tue Feb 27 18:07:15 1990

In article <596@massey.ac.nz> GMoretti@massey.ac.nz (Giovanni Moretti) writes:

>I've build a spectrum analyser (0-100MHz) that has a 10.7MHz IF (from
>HAM-RADIO years ago) and it works quite well but I'm not happy with the
>log-amp/detector.
>
>
>How does one make real log amps that don't need lots of preset adjustment?
>
>Ideas ??
>
>Giovanni
>

Try Plessey. I can't find my data book but I'm sure they make some with at least 80dB dynamic range.

From 4793444296981528918
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,37c0e516b05e01b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-27 09:11:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!wuarchive!decwrl!elroy.jpl.nasa.gov!ames!pasteur!ucbvax!hplabs!hpl-opus!hpnmdla!glenne
From: glenne@hpnmdla.HP.COM (Glenn Elmore)
Newsgroups: rec.ham-radio
Subject: Re: How does one build LOG AMPS (>60dB dynamic range)
Message-ID: <1250126@hpnmdla.HP.COM>
Date: 27 Feb 90 17:11:00 GMT
References: <596@massey.ac.nz>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 16
Posted: Tue Feb 27 18:11:00 1990

Another inexpensive source for a useful logger is the Motorola MC3356 and MC13055 FSK receiver ICs. These are really complete receivers including i-f amplification, log output, squelch and data recovery circuits but are in the $2 rice range. The log output seems to be pretty straight over a 60-70 dB range and the chip works pretty well at inputs up to 50 MHz or so. The MC3356 also has an oscillator (may be crystal controlled or tuned) and mixer built into it too so that the device makes pretty good material for a very-poor-man's spectrum analyzer.

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@nmd.hpcom

From -6782049934141940419
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3d9c041d6e27e2d6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-27 09:58:27 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!zaphod.mps.ohio-state.edu!mips!apple!bionet!agate!ucbvax!hplabs!hp-pcd!hplsla!charlier
From: charlier@hplsla.HP.COM (Charlie Panek)
Newsgroups: rec.ham-radio
Subject: Re: Measurement of Harmonics
Message-ID: <5720060@hplsla.HP.COM>
Date: 27 Feb 90 17:58:27 GMT
References: <2619@wyse.wyse.com>
Organization: HP Lake Stevens, WA
Lines: 43
Posted: Tue Feb 27 18:58:27 1990

>pgraham@wyse.wyse.com (PC-NFS Philip Graham x1124 #) sez:

>Hello Folks,
>What is the best way to measure harmonics of radio gear?
>
>Frankly I would be happy to measure in any way, but I do not own a
>attenuator that will take 100 Watts (let alone 1000 Watts) or a
>directional coupler.

But wait! Surely you have a dummy load! You're not going to test this equipment on the air are you? (Unless you're looking for external intermod, or such). A dummy load is the most expensive part of a "power attenuator". You don't need a precise amount of attenuation, since you're not measuring absolute power, but rather the relative power of the harmonics to the fundamental.

Here's a circuit you might try adding to your dummy load:

```
                              R2
Atten in from xmtr  >-------/\/\/\------<  Atten out, to spectrum analyzer.
                         |           |
                         |           |
                         \           \
                         /R1         / R3
                         \           \
                         /           /
                         |           |
                        GND         GND

                R1:  existing 50 ohm dummy load.
                R2:  2400 ohm, 2W carbon comp (or other non-inductive resistor
                                                  i.e. not wirewound)
                R3:  50 ohm 1/4 watt resistor
```

This circuit should give about 40dB of attenuation and handle 100 W. Keep all leads very short. Keep input and output as separate as possible.

If possible, put a sheet metal shield between R1 and R3, with a hole for R2.
I have something like this inside the little minibox on top of my
Heath Cantenna, which replaces the diode detector circuit Heath supplies.

Happy testing!

Charlie Panek, KX7L

From 7905664754752683754
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2329461143f926e6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-27 10:27:02 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!cs.utexas.edu!rice!uw-beaver!
Teknowledge.COM!unix!hplabs!hpda!hpcupt1!hprnd!hprpcd!stan
From: stan@hprpcd.HP.COM (Stan Witherspoon)
Newsgroups: rec.ham-radio
Subject: Re: small QRP HF transceivers
Message-ID: <10500003@hprpcd.HP.COM>
Date: 27 Feb 90 18:27:02 GMT
References: <9002261406.AA03880@ucbvax.Berkeley.EDU>
Organization: HP, Systems= Technology= Div.,= Roseville,= Ca.=
Lines: 21
Posted: Tue Feb 27 19:27:02 1990

AEA makes a 10 meter and 6 meter HT that is xtal controlled. I think the
frequency can be pushed about 50 KHz with a tuning knob on the top and there
is provision for 2 crystals. I vaguely rember the price at $300. AEA called it
the DX-HANDY. Either 73 or QST reviewed it last summer. Reviewer had a QSO from
Calif. while standing in his back yard (in New York State) with the whip antenna
supplied with the rig.

I hope this helps,

Stan

```
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
~  Stan Witherspoon            ~      Disclaimer      ~
~  Systems Technology Division ~~~~~~~~~~~~~~~~~~~~~~~~
~  Hewlett Packard Company     ~ These are my         ~
~  8020 Foothills Blvd.        ~ personal opinions    ~
~  Roseville Ca. 95678         ~ and do not represent ~
~  Phone: (916) 785-5071       ~ the views of anyone  ~
~  RF: N6SCE                   ~ or anything else     ~
~  Email: ucbvax!hplabs!hprpcd!stan                   ~
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
```

From 8600161729552325886
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,214296a00b65633e,start
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 114aac,214296a00b65633e,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-02-27 10:29:56 PST
Path: gmdzi!unido!mcsun!uunet!samsung!cg-atla!raybed2!ewb
From: ewb@raybed2.ray.com (EUGENE BALINSKI)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Radio Memory Failure
Keywords: reprogramming 270 channels
Message-ID: <1471@raybed2.ray.com>
Date: 27 Feb 90 18:29:56 GMT
Followup-To: rec.ham-radio
Organization: Raytheon Co., Tewksbury, Mass.
Lines: 14
Xref: gmdzi rec.ham-radio:9911 rec.radio.shortwave:631
Posted: Tue Feb 27 19:29:56 1990

This is done as a public service announcement:

A few days ago we had a line of thunderstorms roll through New Hampshire. As I usually do during this type of weather I unplugged the PRO-2004 from the wall and the antenna. Well I went to use it yesterday after about 4 days un-plugged and guess what ?? That's right. All of the memories had been wiped clean ! Now I have to go through and re-program 270 or so channels and 10 scan bank channels :-(I stoped and thought for a minute and I could not remember ever replacing the memory back up battery.

So the moral of the story is this: CHECK YOUR MEMORY BACK-UP BATTERIES

73
Gene WA1UXA

From -8077103519366558476
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b36c736792477e10,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,b36c736792477e10,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-02-27 11:07:43 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!mips!prls!philabs!briar.philips.com!rfc
From: rfc@briar.philips.com (Robert Casey)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Dissident China radio station to be set up.
Message-ID: <82977@philabs.Philips.Com>
Date: 27 Feb 90 19:07:43 GMT
Sender: jam@philabs.Philips.Com
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 46
Xref: gmdzi rec.ham-radio:10028 rec.radio.shortwave:657
Posted: Tue Feb 27 20:07:43 1990

the below was copied from: soc.culture.china:

```
>From: kwchan@hkucs.UUCP (Chan Ki Wa)
Source : South China Morning Post
Date : 24th Feb., 90

Dissident group to broadcast from ship
--------------------------------------------------------------------
A radio station calling itself the "Voice of Democracy in China" will begin
broadcasting from April 20 from a ship in international waters off China, the
Federation for Democracy in China said yesterday.

Wu'erkaixi, a leader of the pro-democracy student movement who now lives in
the United States, will head a team of young radio amateurs who plan to give a
                                             ^^^^^^^^^^^^^^
round-the-clock service that will reach all of Chinese territory.

The radio will broadcast on medium-wave from a 1,140 tonne ship formerly used
by Britain for geo-physical research.  It will be officially baptised the
Goddess of Democracy when it is launched from the French port of La Rochelle on
March 9.

The ship is being named after the version of the Statue of Liberty which
students erected in Beijing's Tiananmen Square beofore the tanks moved in last
June.

The launch will be broadcast by satellite.  International recording artists
are cutting a disc for the occassion and a world wide, 24-hour concert is
planned to mark the first anniversary of the massacre in Tiananmen Square on
June 4, the FDC said.

The FDC and the magazine Actuel sponsored the operation "Fax peace in China"
four months ago, whereby the democratic movement telefaxed documents to
machines capable of receiving them in China.  Beijing reacted furiously to the
initiative.

Some 15 European magazines are sponsoring the Goddess of Democracy.

The FDC was founded near Paris last November by dissidents from Beijing in
exile in France, the United States and elsewhere.

Agence France Presse

---------------------------------------------------------------------------
Found this on the scc newsgroup.  I don't suppose that the above "radio
amateurs" are hams?  Anyway, something for SWLs to DX.
73 de WA2ISE


From -5145286292629953801
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17585edf11953605
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-27 12:04:47 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!zaphod.mps.ohio-state.edu!mips!apple!
```

snorkelwacker!think!yale!mfci!rodman
From: rodman@mfci.UUCP (Paul Rodman)
Newsgroups: rec.ham-radio
Subject: Re: Uniden HR2600
Message-ID: <1247@m3.mfci.UUCP>
Date: 27 Feb 90 20:04:47 GMT
References: <12568685277.8.FRANK@TOPS20.RADC.AF.MIL> <1621@east.East.Sun.COM>
Sender: rodman@mfci.UUCP
Reply-To: rodman@mfci.UUCP (Paul Rodman)
Organization: Multiflow Computer Inc., Branford Ct. 06405
Lines: 18
Posted: Tue Feb 27 21:04:47 1990

In article <1621@east.East.Sun.COM> jimv@hienergy.East.Sun.COM (Jim Vienneau - CSS Program Manager) writes:

>to prevent tampering. They also decreed that all future designs (2600?) be
>tamper proof as well. A copy of the service manual is available from Uniden
>for $20.00, but again, all current units will be epoxied.
>
>

According to a freind, the "epoxy" is more a rubbery compond that can
be picked away and the mod done.

I'm not endorsing the mod, or claiming to have done it, I'm just pointing
out that the words "tamper-proof" should really be "tamper-resistant"....

Paul K. Rodman / KA1ZA /   rodman@multiflow.com
Multiflow Computer, Inc.   Tel. 203 488 6090 x 236
Branford, Ct. 06405

From 4407635677648510816
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,172dbf36f88c68de,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-27 14:21:50 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!bionet!agate!ucbvax!NISD.CAM.UNISYS.COM!doug
From: doug@NISD.CAM.UNISYS.COM (Doug Hardie)
Newsgroups: rec.ham-radio
Subject: FCC Petitions
Message-ID: <9002272221.AA27028@KRONOS.NISD.CAM.UNISYS.COM>
Date: 27 Feb 90 22:21:50 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 5
Posted: Tue Feb 27 23:21:50 1990

How can I find out the status of a FCC Petition, specifically,
RM 2493? What, if any, is the advantage to responding to a

petition with an original and 5 copies? Thanks,

-- Doug

From 619662146406829403
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fd805e27da558fb1,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-27 14:29:14 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!mips!apple!pvh
From: pvh@Apple.COM (Pete Helme)
Newsgroups: rec.ham-radio
Subject: Kenwood TH-75A HT
Message-ID: <39044@apple.Apple.COM>
Date: 27 Feb 90 22:29:14 GMT
Organization: Apple Computer Inc., Cupertino, CA
Lines: 10
Posted: Tue Feb 27 23:29:14 1990

Anyone have one of these Kenwood units and care to make any comments (good, bad or otherwise) about it?

Oh yeah while I'm already blabbering... is it true that the ICOM 24-AT CANNOT receive VHF & UHF simultaneously?

Thanks.

Pete
KC6ISO

From 7074178096313869278
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c19fc4667c712fb5
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-27 14:30:44 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!usc!elroy.jpl.nasa.gov!decwrl!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Here lies Ham Radio...
Message-ID: <7880126@hpfcdc.HP.COM>
Date: 27 Feb 90 22:30:44 GMT
References: <7554@b11.ingr.com>
Organization: HP Ft. Collins, Co.
Lines: 29
Posted: Tue Feb 27 23:30:44 1990

>   I'm sorry folks,
>   I just can't help but feel that Morse Code is only a barrier to
>   getting into Amateur radio if you have "NO DICIPLINE". I have never
>   had anyone approach me wanting to get into radio that just could

> not get the code. A six year old can do it (i did), non-technical
> folks can do it (my friends have) so what is the problem here??

Some people are dyslexic and mentally cannot learn the code. I have two friends that barely made 5 wpm. One of them is now contributing to the hobby in a big way - he used to be a microwave engineer at Hewlett-Packard back when >1 GHz was leading edge. Both of these guys would have joined while in high school, had the CW requirement been eased.

> This "lower-the-
> water" instead of raise the bridge attitude just smacks of lack
> of dicipline.

I agree. Learning 5 wpm is just a matter of time and patience for most people. The difficulty is determining when someone has tried hard enough, then having the wisdom to "let them in" in spite of their not attaining 5 wpm. I'd rather give the VECs a little leeway here, rather than lowering the water level.

> de km4jn
> (o.f. for 22 years).

Perry Scott
KF0CA
(o.f. for 2 years)   ar sk

From 4466208428064107954
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2414de4b63cb23ff
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-27 14:46:48 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Need wattage and range information for us in portable emergency.
Message-ID: <7880127@hpfcdc.HP.COM>
Date: 27 Feb 90 22:46:48 GMT
References: <3980@cbnewsj.ATT.COM>
Organization: HP Ft. Collins, Co.
Lines: 27
Posted: Tue Feb 27 23:46:48 1990

>Three years ago my mother had a heart attack and was advised to "take nice
>long walks as part of her recovery and treatment. This winter, while out
>walking, she slipped and broke her arm some distance from the nearest house.
>While this was not life threatening it caused her some distress.

This is an emergency situation. For emergency communications, use any frequency and any amount of power you wish.

There are several commercially-available "medical alert" products out -

maybe a local hospital can help you there. The most reliable short haul communications is VHF, but doesn't work well around hills. You need line-of-sight to make it reliable. Portable cellular telephone is a possibility, if the tranciever is small enough.

Emergency use of an amateur 2 meter repeater is a possibility - you might want to contact a local amateur repeater group to see if it would suit your needs. I know that I wouldn't mind having the repeater used by an elderly lady with a broken arm. There are several commercially available walkie-talkies that can be easily carried, and the smallest batteries would last long enough.

Citizen Band walkie talkies would be ok about half the time. We're at the maximum of the sunspot cycle now, so I fear your mom's 5 watts would be drowned out by some clown in Louisiana running 2 kilowatts.

Perry Scott
KF0CA

From 2647814226538723878
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fbecf8f99162c34,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-27 15:32:43 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!turnkey!orchard.la.locus.com!prodnet.la.locus.com!lando.la.locus.com!dana
From: dana@lando.la.locus.com.la.locus.com (Dana Myers)
Newsgroups: rec.ham-radio
Subject: Morse code requirements
Message-ID: <4308@oolong.la.locus.com>
Date: 27 Feb 90 23:32:43 GMT
Sender: news@locus.com
Reply-To: lcc!dana@seas.ucla.edu (Dana H. Myers)
Organization: Locus Computing Corporation, Inglewood, CA
Lines: 32
Posted: Wed Feb 28 00:32:43 1990
References:

I currently hold an Advanced class license. Back when I lived in a house where I could erect a reasonable antenna, over 2/3 of all my contacts were on HF using CW. I've only ever worked CW on frequencies above 54 Mhz once :-).

Morse code has been a buddy. I don't use it at all now, but I'd hate to see it go. It seems that politcal conditions will conspire to retain CW as a prerequisite to legal HF operation for some time (maybe the next WARC will toss it out?). For illegal operation, CW does nothing. Any lid can dial 7255 on his TS-140S and jam WESCARS regardless of whether CW exists or not. It isn't the requirement of CW which has kept HF less prone to jamming than 2m, it is the relative cost and practicality of the equipment.

CW has been a like a secret handshake for hams. You don't need any computer gear to use it (unlike any of the other popular digital modes) and you can learn it easily. Every Field Day I've ever been to has had someone come driving in honking their horn "CQ FD DE W6CX" or something. At one time, CW was the appropriate requirement for entry into the amateur ranks.

But, the state of the art has really moved on, and we've got all sorts of new things to play with. CW has little to do with any of them. By easing the CW requirement and increasing the technical (theory) requirement, we could enjoy a new growth in the ham community which would benefit us all. Maybe then the secret handshake will be jargon like "Bell 202" and "HDLC" and "AX.25" and even phrases like "pseudo-noise transmitter". For folks who don't know or care about these things, it'll be like AM vs. SSB was, followed by AM vs FM. CW will continue to be one of the best high noise path modes, SSB will still be extremely popular, and the new modes will just be icing on the cake.

Dana H. Myers
WA6ZGB
lcc!dana@seas.ucla.edu

From -1133680236597279209
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d3e3fc875f98575
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-27 19:08:00 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Re^2: You ask me to memorize...
Message-ID: <30500429@ux1.cso.uiuc.edu>
Date: 28 Feb 90 03:08:00 GMT
References: <499@ssc.UUCP>
Lines: 9
Nf-ID: #R:ssc.UUCP:499:ux1.cso.uiuc.edu:30500429:000:239
Nf-From: ux1.cso.uiuc.edu!phil   Feb 27 21:08:00 1990
Posted: Wed Feb 28 04:08:00 1990

Why is it that the Canadian license was called "digital" when it in fact was really a "nocode" license?

How much effort was made by already licensed hams to get new hams to join the hobby?

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From 3900159443949134737
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7499f2f0eddaaa9a,start
X-Google-Attributes: gid10c9e3,public

X-Google-Thread: 114aac,7499f2f0eddaaa9a,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-02-27 19:11:01 PST
Path: gmdzi!unido!mcsun!uunet!philmtl!philabs!briar.philips.com!rfc
From: rfc@briar.philips.com (Robert Casey)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Dissident radio near China to start up
Message-ID: <82989@philabs.Philips.Com>
Date: 28 Feb 90 03:11:01 GMT
Sender: news@philabs.Philips.Com
Organization: Philips Laboratories, Briarcliff Manor, NY
Lines: 50
Xref: gmdzi rec.ham-radio:9901 rec.radio.shortwave:628
Posted: Wed Feb 28 04:11:01 1990

News about a new radio station to start up offshore from China, by a group of "radio amateurs". Hams?? (probably not, but...) :-)
copied from soc.culture.china:
>From: kwchan@hkucs.UUCP (Chan Ki Wa)
Subject: China & HK News
Source : South China Morning Post
Date : 24th Feb., 90

Dissident group to broadcast from ship

A radio station calling itself the "Voice of Democracy in China" will begin broadcasting from April 20 from a ship in international waters off China, the Federation for Democracy in China said yesterday.

Wu'erkaixi, a leader of the pro-democracy student movement who now lives in the United States, will head a team of young radio amateurs who plan to give a
^^^^^^^^^^^^^^
round-the-clock service that will reach all of Chinese territory.

The radio will broadcast on medium-wave from a 1,140 tonne ship formerly used by Britain for geo-physical research. It will be officially baptised the Goddess of Democracy when it is launched from the French port of La Rochelle on March 9.

The ship is being named after the version of the Statue of Liberty which students erected in Beijing's Tiananmen Square beofore the tanks moved in last June.

The launch will be broadcast by satellite. International recording artists are cutting a disc for the occassion and a world wide, 24-hour concert is planned to mark the first anniversary of the massacre in Tiananmen Square on June 4, the FDC said.

The FDC and the magazine Actuel sponsored the operation "Fax peace in China" four months ago, whereby the democratic movement telefaxed documents to machines capable of receiving them in China. Beijing reacted furiously to the initiative.

Some 15 European magazines are sponsoring the Goddess of Democracy.

The FDC was founded near Paris last November by dissidents from Beijing in exile in France, the United States and elsewhere.

Agence France Presse

Found this on the scc newsgroup. I don't suppose that the above "radio amateurs" are hams? Anyway, something for SWLs to DX.
73 de WA2ISE
p.s. This is 2nd attempt at posting this, 1st apparently didn't make it.

From 735269861419933713
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3df0ea7e361d6edc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-27 19:53:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!uwm.edu!bionet!agate!ucbvax!UTKVX3.BITNET!COFER
From: COFER@UTKVX3.BITNET
Newsgroups: rec.ham-radio
Subject: Memorizaion vs recognition on written test
Message-ID: <9002280813.AA14697@ucbvax.Berkeley.EDU>
Date: 28 Feb 90 03:53:00 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 30
Posted: Wed Feb 28 04:53:00 1990

> Tests are imperfect ways to measure things. Would you feel much better
> knowing that Pilot's Licenses (including airline pilots) include
> multiple-choice, memorizable tests?

However, to put this in perspective, there is a difference between this situation and the written ham exam. Before you can take the Pilot's License written exam, you must have the approval of a Certified Flight Instructor. Such approval is not likely to be forthcoming until after extensive ground school training; with your Instructor satisfied you are knowledgeable and ready.

If we are going to rely solely on written knowledge testing for obtaining a ham license, and IF we want that test to be a valid measure of knowledge, than improvements in the tests need to be made. Some have noted that one can easily memorize the current answers to the tests. The problem is worst than that. Memorization is not required. The tests only require recognition. For example, do you want someone to pass a current written ham test with an hour of study? Try this: Get a copy of the current test question and answer pool, and type up all the answers on a separate piece of paper. Give that sheet of paper to someone with the instructions to read over the list, and if they recognize any of the answers on the test, then mark them as correct. I suspect they will pass without further study because of the poor psychometric qualities of the test. For example, few if any of the correct answers serve as distracters (i.e. where the correct answers are also incorrect answers to other questions).

```
---------------------               -....---.....-
John L. Cofer                       N   4   M  H  A
COFER@UTKVX.BITNET                  -....---.....-
---------------------
All disclaimers apply
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From -4633955522767925715
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,db2a1925d0f47ecb,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 10a148,db2a1925d0f47ecb,start
X-Google-Attributes: gid10a148,public
X-Google-ArrivalTime: 1990-02-28 00:12:53 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!rutgers!bellcore!ka9q.bellcore.com!karn
From: karn@ka9q.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio,sci.space.shuttle
Subject: Atlantis heard during launch
Message-ID: <20405@bellcore.bellcore.com>
Date: 28 Feb 90 08:12:53 GMT
Sender: news@bellcore.bellcore.com
Reply-To: karn@ka9q.bellcore.com (Phil Karn)
Organization: Secular Humanists for No-Code
Lines: 13
Xref: gmdzi rec.ham-radio:9894 sci.space.shuttle:3316
Posted: Wed Feb 28 09:12:53 1990

I heard UHF air-to-ground communications during this morning's launch of Atlantis on its "secret" shuttle mission. I heard a total of four very brief transmissions, all on a frequency of 259.7 MHz (the "secondary" UHF comm frequency listed in the press kits). The first transmission heard here in northern NJ was at about 2:59:30 AM EST, and the last was at 3:01:14. The last message clearly said "APU shutdown on time"; this seems right given that the launch had occurred about 10 minutes earlier.

Among other things, my ability to hear the shuttle at this location confirms the high inclination orbit.

Phil

From -8436185358784287478
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,758dd33481adc0ad,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-28 00:36:03 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!think!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!sdsu!crash!pnet01!mikey

From: mikey@pnet01.cts.com (Mike Shirley__Wb6wui)
Newsgroups: rec.ham-radio
Subject: Telephone answering machines; need info on msg forwarding feature
Message-ID: <1690@crash.cts.com>
Date: 28 Feb 90 08:36:03 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 26
Posted: Wed Feb 28 09:36:03 1990

Anyone know about the "Message Transfer" or "Message Forwarding" feature now being touted in the upper-end answering machines?

I'm looking for a machine that will automaticly call my Bravo pager and send some pre-programed digits so that I know that a msg has been left on my machine. Specificly, will they send the extra digits after some delay after dialing the pager phone number, will they send the pound sign as the pager terminator, will they dial and alternate phone number, etc, etc, etc.

Being basicly a cheapo type individual, I am trying to save the $15 change that the pager company charges for voice mail/paging. I have a Code-a-Phone 2555 now. An antique I know, but has excellent audio quality and smooth remote control. Don't really want to give it up, but the monthly savings will soon pay for the handy, dandy, late model do-dads that are out in the high-end market.

E-mail fine but, if it will flow, let's do it here...   ...Mike
==========================
Mike Shirley, WB6WUI
PO Box 460
Lakeside, CA 92040-0460

UUCP: {hplabs!hp-sdd ucsd nosc}!crash!pnet01!mikey
ARPA: crash!pnet01!mikey@nosc.mil
INET: mikey@pnet01.cts.com
===

From -1578267954861379759
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,452f0605eb1db741,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,452f0605eb1db741,start
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-02-28 05:35:45 PST
Path: gmdzi!unido!mcsun!uunet!ns-mx!iowasp!deimos!ux1.cso.uiuc.edu!uwm.edu!rpi!zaphod.mps.ohio-state.edu!uakari.primate.wisc.edu!ames!pacbell!att!cbnewse!parnass
From: parnass@cbnewse.ATT.COM (Bob Parnass, AJ9S)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Don't junk that old Bearcat BC-300 (repost)
Keywords: radio scanner, radio repair, communications equipment
Message-ID: <13295@cbnewse.ATT.COM>
Date: 28 Feb 90 13:35:45 GMT

Organization: AT&T Bell Laboratories, Naperville, IL
Lines: 95
Xref: gmdzi rec.radio.shortwave:632 rec.ham-radio:9919
Posted: Wed Feb 28 14:35:45 1990

I have been receiving inquiries from people who own or are considering the purchase of an older Bearcat BC-300 scanner, so reposting this article seems like the right thing to do.

x

DON'T JUNK THAT OLD BEARCAT BC-300

by Bob Parnass, AJ9S

Although the Bearcat BC-300 scanner is no longer available, it occupies a fond place in my collection. I exercise little self control when I see a used BC-300 for sale cheap, and have adopted two broken units. They make fine radios after repair.

The BC-300 was the forerunner of today's 760XLT. It was a 50 channel feature laden scanner, introduced around 1979, back when Bearcat was part of Electra. Retail sales of the BC-300 continued until 1987, when it was discontinued by Uniden.

Although Electra offered the pricey BC-350 as a step above the BC-300, firmware bugs and a batch of bad power transformers doomed the 350, and the 300 remained the jewel of Bearcat line.

It's easy to see why the BC-300 model was offered for several years. It boasted premium features like a clock, a carrier operated solid state relay for tape recorder activation, a transmission counter, and a Service Search of 11 ROM banks of preprogrammed channels. For memory, the BC-300 used EAROM (electronically alterable read only memory), so backup batteries were not necessary. The Dog House, a radio shop in Fairfax, Virginia, at one time offered the DH 1000, a 1,000 channel adapter for the BC-300! Unfortunately for federal band listeners, the BC-300 lacked coverage of the 138-144 and 406-420 MHz bands.

While outwardly impressive, internal construction was typical of Electra hand wiring in that era -- a bit messy. BC-300 schematics show at least 100 components changed between earliest and later units. The scanner went through many circuit design changes, but rather than changing the printed circuit board, new components were tack soldered on the foil side in different positions.

Electra stamped all of its scanners with a manufacturing date code on the rear of the cabinet. The code is comprised of a single character (C = Cumberland, Indiana, P = Puerto Rico), followed by four digits denoting year and week the radio was built. For example, "P2284" denotes the radio was made in the Puerto Rico factory during the 22nd week of 1984.

Switching power supply failure was common in early units due to insufficient capacitance. Electra responded by increasing the value of capacitor C98 from 22 ufd/16 v to 47 ufd/25 v, but I recommend 47 ufd/35 v. If your display is getting abnormally dim, C98 is probably the culprit, as it was in five Bearcat scanners I fixed.

Squelch preset potentiometer R81, mounted on the radio circuit board, was misadjusted in new units, requiring readjustment after the components aged.

In one radio, I replaced Q9, a small signal PNP transistor. Its failure caused the BC-300 to become deaf on all but the UHF band. Failure of squelch gate transistor Q15 caused the squelch to remain open at all times.

Cold solder joints, especially on the wires and ribbon cable connecting the radio board to the logic board, have been responsible for other failures.

I have seen serious IC failures in three BC-300s built around 1984. These include CPU chip IC201, memory chip IC202, and IC203, not in stock at your your local Radio ShackO.

The BC-300 circuitry, especially on the radio board, is very similar to the circuitry in the the BC-220, BC-20/20, BC210XL, and BC-350, so some of the previous remarks may be applicable to these models as well.

I can neither furnish schematics nor repair your radio. If you come across a broken BC-300, obtain a schematic from Uniden and spend some time troubleshooting. If you give up, your BC-300 can be fixed by Electronic Repair Centers in Franklin Park, Illinois, (312)455-5105. I'm told they do good work. The BC-300 is a classic scanner and worthy of your efforts.

```
--
=============================================================================
Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihuxz!parnass (708)979-5414
```

```
From -2127722809138652317
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3fdfbcc5fa91adec
X-Google-Attributes: gid10c9e3,public
```

X-Google-ArrivalTime: 1990-02-28 06:19:00 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!jarvis.csri.toronto.edu!
cs.utexas.edu!uwm.edu!bionet!agate!ucbvax!ULKYVX.BITNET!ramcte01
From: ramcte01@ULKYVX.BITNET
Newsgroups: rec.ham-radio
Subject: Re: Bearcat 200XLT Mod
Message-ID: <45ramcte01@ULKYVX.bitnet>
Date: 28 Feb 90 14:19:00 GMT
References: <34689@cci632.UUCP>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: University of Louisville
Lines: 47
Posted: Wed Feb 28 15:19:00 1990

In article <34689@cci632.UUCP> rkd@cci632.UUCP (Ray Downes) writes:
>
>Randall J. Davis writes:
>   BTW: I thought the mod was to *add* a resister, not cut one out....
>
>Bob Parnass responded:
>   Wrong.
>
>Ok, now I'm confused (easily so I guess). I just received one of these
>(BC200XLT) via Grove. It makes my PRO34 look and feel very wimpy - how
>much are PRO34's worth on the used market? Grove included instructions
>that ADD a 2-10k resistor from pin 8 of one of the K1013 ICs down to a
>resistor adjacent to IC UC-1147. The mod seems to work, though I don't
>have enough working experience with the radio to know if I've lost some
>other operation.
>
>Are there two way to make this mod? If so, what's the "better" way?
>Hacking out a resistor may cause slightly less power drain (but harder
>to undo)? I've just started a _Monitoring Times_ subscription, can
>anyone recommend a back issue article to read related to this?
>--
>
>Ray Downes, CCI, (716) 482-5000   rutgers!rochester!cci632!rkd

Looking at the schematic for the Bearcat 200XLT, Pin 8 is a switched Vcc line which supplies the K1013 chips. They are using it supply Vcc for a pullup line which drags the SKIP(NOT) pin of the high. The resistor which others say needs to be cut pulls the SKIP(NOT) line to ground (or low enough to look like a logic 0).

Other information in the schematic describes the SKIP(NOT) line as "with pull-up MOS". This suggests to me that the line has an internal pullup resistor, so that removing the 10K pulldown should be sufficient. But I'm not an engineer, so Grove may have its reasons. The added current drain from a 10K resistor is insignificant.

Rick McTeague, System Programmer
Electrical Engineering Department, Speed Scientific School
University of Louisville, Louisville, KY 40292

(502) 588-7020

RAMCTE01@ULKYVX (Bitnet)
RAMCTE01%ULKYVX.BITNET@CUNYVM.CUNY.EDU (Internet)
{akgua,allegra,cbosgd}!psuvax1!ulkyvx.bitnet!ramcte01 (uucp)

Disclaimer: I'm a stand-up comedian; if anyone takes me seriously, I'm
doing something wrong!

From -5275883089767844940
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2414de4b63cb23ff
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-28 07:26:25 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rice!uw-beaver!Teknowledge.COM!unix!hplabs!hpda!hpcupt1!hprnd!hprmokg!barry
From: barry@hprmokg.HP.COM (Barry Fowler)
Newsgroups: rec.ham-radio
Subject: Re: Need wattage and range information for us in portable emergency.
Message-ID: <29490010@hprmokg.HP.COM>
Date: 28 Feb 90 15:26:25 GMT
References: <3980@cbnewsj.ATT.COM>
Organization: HP Networked Computer Mfg. Operation
Lines: 5
Posted: Wed Feb 28 16:26:25 1990

I don't know if you both have to be portable or not. If one doesn't have to be, it would be better to get an outside antenna 20 or 30 feet above the roof and connect the walkie talkie to it.

Brute force power is no substitute for a good antenna.

From -2355813534971916015
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2414de4b63cb23ff
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-28 07:30:51 PST
Path: gmdzi!unido!mcsun!ukc!icdoc!inmos!inmos-c!col!bobw
From: bobw@col.hp.com (Bob Witte)
Newsgroups: rec.ham-radio
Subject: Re: Need wattage and range information for us in portable emergency.
Message-ID: <4380073@col.hp.com>
Date: 28 Feb 90 15:30:51 GMT
References: <3980@cbnewsj.ATT.COM>
Organization: HP Colorado Springs Division
Lines: 19
Posted: Wed Feb 28 16:30:51 1990

>I desire to use a pair of portable CB radios as an emergency communication
>system. The area in which they are to be used is rural and rather hilly and
>I need to have a reliable range of 2.5 to 3 miles between units.

```
>
>Can anyone help me to know what kind of wattage I would need  ?
>
  [ stuff deleted ]
>Question is what wattage should the units be  ?
>Is there a formula for wattage to range conversion ?
>Are US CB radios different from British ? (FM vs AM ? )
>  (There's certainly a difference in price.)
>
  I would buy the maximum legal power (which is 5 watts, I believe).
  The CB frequencies can have huge amounts of QRM, either local or
  via skywave. In fact, I wonder if a portable radio would be a reliable
  link over 2.5 miles, considering the potential interference.


  Bob Witte, KB0CY


From -297549852633825540
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a5e922cf4dc25694
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-28 08:10:24 PST
Path: gmdzi!unido!mcsun!uunet!salt.acc.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: Re: RTTY and/or Packet with a TS-440s
Keywords: Correct Connections Needed
Message-ID: <12040@ucsd.Edu>
Date: 28 Feb 90 16:10:24 GMT
References: <1470@raybed2.UUCP> <48e1aedd.15840@valley.UUCP>
Reply-To: brian@ucsd.edu (Brian Kantor)
Organization: The Avant-Garde of the Now, Ltd.
Lines: 8
Posted: Wed Feb 28 17:10:24 1990

pfluegerm@valley.UUCP (Mike Pflueger) writes:
>...
>Be careful soldering the 13 pin DIN connector - the plastic melts at low
>temps and the pins move around.

If you stick the pins into a wet sponge whilst you're soldering on the
other end this is much less likely to happen.
     - Brian


From 8112408593536481325
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a53bc31479238ae6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-28 09:57:54 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!atha!tech
From: tech@cs.AthabascaU.CA (Richard Loken)
```

Newsgroups: rec.ham-radio
Subject: Re: MFJ quality
Message-ID: <1726@aurora.AthabascaU.CA>
Date: 28 Feb 90 17:57:54 GMT
References: <7880125@hpfcdc.HP.COM>
Organization: Athabasca University
Lines: 16
Posted: Wed Feb 28 18:57:54 1990

From article <7880125@hpfcdc.HP.COM>, by perry@hpfcdc.HP.COM (Perry Scott):

> I have the 949C tuner. Now that I've built an amplifier capable of 300W
> (the 949C's limit), I find that I burn out switch contacts if I use full
> rated power on it.
>

Just to make this into a product review :) Are you adjusting these switches while the rig is transmitting or are the switches failing just by being in in the circuit?

```
     *********         73
    **********         Richard Loken VE6BSV
   .      ****
  ..      ****         Athabasca University
 ....     ****         Athabasca, Alberta Canada
..........****         tech@cs.AthabascaU.CA   {alberta|decwrl}!atha!tech
```

From 6419787577880529017
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1054915ffa5c04b6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-28 13:59:37 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!samsung!brutus.cs.uiuc.edu!apple!bionet!agate!ucbvax!hplabs!hpda!hpcuhb!hpscdc!marke
From: marke@hpscdc.scd.hp.com (Mark Espinosa)
Newsgroups: rec.ham-radio
Subject: Need RX MOD for IC-04AT
Message-ID: <5490093@hpscdc.scd.hp.com>
Date: 28 Feb 90 21:59:37 GMT
Organization: Hewlett-Packard, Santa Clara Div.
Lines: 14
Posted: Wed Feb 28 22:59:37 1990

The subject of "mod's" for the IC-04AT have probably been brought up before here on the NET, but for some reason I have managed to miss them all. So, if some kind ol radio amateur could dig in to his or her files one more time, and post them for me, it would be muchly apprieciated. I am specifically looking for the mod's that pertain to out of band operation, and RX audio volume improvement.

Please post or e-mail, and thanks.

Mark Espinosa/WA6RGD

From 6507824244479752637
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fc1756e81b90363
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-28 14:18:16 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!hplabs!hpfcso!hpfcdc!perry
From: perry@hpfcdc.HP.COM (Perry Scott)
Newsgroups: rec.ham-radio
Subject: Re: Flames 0 Tact 1
Message-ID: <7880128@hpfcdc.HP.COM>
Date: 28 Feb 90 22:18:16 GMT
References: <16170013@hpfinote.HP.COM>
Organization: HP Ft. Collins, Co.
Lines: 9
Posted: Wed Feb 28 23:18:16 1990

We actually exchanged some mail. He really wasn't aware of the law, and it gave me a chance to put in a plug for a Tech license and 10 meters. He's pretty busy right now, but hopefully he'll get a chance to convert some old $5 CBs to 10 meters. I hope all you Ernies out there do what you can when a CBer comes around looking for the Bigger and Better Deal.

Honey works better than vinegar.

Perry

From 3875259017988381651
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fac450d0fe5fc7fc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,fac450d0fe5fc7fc
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-02-28 14:37:30 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!samsung!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Buying from Japan
Message-ID: <1354@anasaz.UUCP>
Date: 28 Feb 90 22:37:30 GMT
References: <1990Feb16.183916.18864@cs.columbia.edu> <38695@apple.Apple.COM> <488@ssc.UUCP>
Reply-To: john@anasaz.UUCP (John Moore)
Followup-To: rec.ham-radio
Organization: Anasazi, Inc.

Lines: 17
Xref: gmdzi rec.ham-radio:9927 rec.radio.shortwave:636
Posted: Wed Feb 28 23:37:30 1990

In article <488@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:
]Pete Helme asked about saving money by buying ham gear in Japan.

My brother lives in Tokyo. He buys as much as he can, of electronics
and most everything else, in the US because it is cheaper to buy
it here and ship it there than to buy it there. His salary is
paid in Yen.

On the other hand, back in the early eighties I had him buy me
a TS-430 in Aki Habara (sp?) at a good price (~$600). I saw
IC-2's there for $140, but they could only be converted to US
bands with about $60.00 worth of crystals.
--
John Moore (NJ7E)   mcdphx!anasaz!john asuvax!anasaz!john
(602) 951-9326 (day or eve) long palladium, short petroleum
7525 Clearwater Pkwy, Scottsdale, AZ 85253
Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From 3831842337075612335
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,534420960d07178a
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-28 14:58:52 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: FCC PR Docket 90-55 Part 3/4
Message-ID: <1250128@hpnmdla.HP.COM>
Date: 28 Feb 90 22:58:52 GMT
References: <193@ka2qhd.UUCP>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 430
Posted: Wed Feb 28 23:58:52 1990

/ hpnmdla:rec.ham-radio / wb2hbz@ka2qhd.UUCP (Jim Dockery Kinnelon NJ) / 9:24 pm Feb 26, 1990 /

cut here

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and reply comments on or before September 7, 1990. All relevant
and timely comments will be considered by the the Commission

before final action is taken in this proceeding. To file formally in this proceeding, participants must file an original and four copies of all comments and reply comments. If participants want each Commissioner to receive copies of their comments, an original and nine copies must be filed. Comments and reply comments must state the proceeding to which they relate (PR Docket Number). They should be sent to the Secretary, Federal Communications Commission, Washington, D.C. 20554. Comments and reply comments will be available for public inspection during regular business hours in the Dockets Reference Room (Room 239) of the Federal Communications Commission, 1919 M Street N.W., Washington, D.C. 20554.

29. In accordance with Section 605 of the Regulatory Flexibility Act of 1980, 5 U.S.C. & 605, the Commission certifies that these rules would not, if proulgated, have a significant economic impact on a substantial number of small entities, because these entities may not use an amateur station to transmit any communication the purpose of which is facilitate the business or commercial affairs of any party. See 47 C.F.R. & 97.113(a). Moreover, the proposed rules would not require the use of or significantly enhance the sale of any additional amateur station apparatus.

30. The proposal contained herein has been analyzed with respect to the Paperwork Reduction Act of 1980, 44 U.S.C. & 3501 et seq., and found to increase the information collection burden which the Commission imposes on the public. This proposed increase in the information collection burden is subject to approval by the Office of Management nd Budget as prescribed by the Act.

31. A copy of the Notice will be forwarded to the Chief Counsel for Advocacy of the Small Business Administration.

FEDERAL COMMUNICATIONS COMMISSION

Donna R. Searcy
Secretary

APPENDIX

Part 97 of Chapter I of Title 47 of the Code of Federal Regulation is proposed to be amended as follows:

1. The authority citation for Part 97 continues to read as follows:

Authority citation: 48 Stat. 1066, 1082, as amended; 47 U.S.C. & 303. Interpret or apply 48 Stat. 1064-1068, 1081-1105, as amended; 47 U.S.C. && 301-609, unless otherwise noted.

2. Section 97.9 is revised to read as follows:

& 97.9 Operator License

(a) The classes of operator licenses are Communicator, General, Advanced, and Amateur Extra. There are also two grandfathered classes of operator licenses, Novice and Technician. An operator license authorizes the holder to be the control operator of a station with the privileges of operator class specified on the license. The license document or a photocopy thereof must be in the personal possession of the licensee at all times when the person is the control operator of a station.

(b) A person holding a Communicator Class operator license and who holds a CSCE indicating that the person passed element 1(A), 1(B), or 1(C) is authorized to exercise the rights and privileges of the Technician Class for the duration of the license and renewal thereof.

(c) A person holding a Novice, Technician, Communicator, General, or Advanced Class operator license who has properly filed with the FCC an application for a higher operator class that has not yet been acted upon, and who holds a CSCE indicating that the person passed the necessary examinations within the previous 365 days is authorized to exercise the rights and privileges of the higher operator class.

3. Section 97.17(a) is revised to read as follows:

& 97.17 Application for new license.

(a) Any qualified person is eligible to apply for an amateur service license. No new Novice or Technician Class operator licenses will be issued.

* * * * *

4. Section & 97.119(e) is revised to read as follows:

& 97.119 Station Identification.

* * * * *

(e) When the control operator is using privileges on the basis of holding a CSCE, an indicator must be included after the call sign as follows:

(1) AC for Communicator Class Operator;
(2) AG for General Class Operator;
(3) AA for Advanced Class Operator;
(4) AE for Amateur Extra Class operator.

* * * * *

5. Section 97.301(a) is revised and a new paragraph (g) is added to read as follows:

& 97.301 Authorized Frequency Bands.

* * * * *

(a) For a station having a control operator holding a Technician, Communicator, General, Advanced or Amateur Extra Class operator license:

Wave-length band	ITU Region 1	ITU Region 2	ITU Region 3	Sharing requirements See & 97.303 Paragraph:
VHF	MHz	MHz	MHz	
1.25 m	---	222-225	---	(a).(b).(e)
UHF	MHz	MHz	MHz	
70 cm	430-440	420-450	420-450	(a).(b).(f)
33 cm	---	902-928	---	(a).(b).(g)
23 cm	1240-1300	1240-1300	1240-1300	(j)
13 cm	2300-2310	2300-2310	2300-2310	(a).(b).(j)
-do-	2390-2450	2390-2450	2390-2450	(a).(b).(j)
SHF	GHz	GHz	GHz	

9 cm	---	3.3-3.5	3.3-3.5	(a).(b).(k).(l)
5 cm	5.650-5.850	5.650-5.925	5.650-5.850	(a).(b).(m)
3 cm	10.00-10.50	10.00-10.50	10.00-10.50	(b).(c).(i).(n)
1.2 cm	24.00-24.25	24.00-24.25	24.00-24.25	(a).(b).(i).(o)
EHF	GHz	GHz	GHz	
6 mm	47.0-47.2	47.0-47.2	47.0-47.2	
4 mm	75.5-81.0	75.5-81.0	75.5-81.0	(b).(c).(h)
2.5 mm	119.98-120.02	119.98-120.02	119.98-120.02	(k).(p)
2 mm	142-149	142-149	142-149	(b).(c).(h).(k)
1 mm	241-250	241-250	241-250	(b).(c).(h).(q)
---	above 300	above 300	above 300	(k)

* * * * *

(g) For a station having a control operator holding a Technician, General, Advanced or Amateur Extra Class operator license:

Wave- length band	ITU Region 1	ITU Region 2	ITU Region 3	Sharing requirements See & 97.303 Paragraph:
VHF	MHz	MHz	MHz	
6 m	---	50-54	50-54	(a)
2 m	144-146	144-148	144-148	(a)

6. Section 97.501 revised to read as follows:

& 97.501 Qualifying for an amateur operator license.

An applicant must successfully pass an examination for the issuance of a new amateur operator license and for each change in the operator class. Each applicant for the class of operator license specified below must pass, or otherwise receive examination credit for, the following examination elements.

(a) Amateur Extra Class operator: Element 1(C), and elements 3(A), 3(B), 4(A), and 4(B);

(b) Advanced Class operator: Element 1(B) or 1(C), and elements 3(A), 3(B), and 4(A);

(c) General Class operator: Element 1(B) or 1(C), and elements 3(A), and 3(B);

(d) Communicator Class operator: Element 3(A).

7. Paragraphs (b) and (c) of Section 97.503 are revised to read as follows:

& 97.503 Element Standards.

* * * * *

(b) A written examination must be such as to prove that the examinee possesses the operational and technical qualifications required to perform properly the duties of an amateur service licensee. Each written examination must be comprised of a question set as follows:

(1) Element 3(A): 60 questions concerning the privileges of a Communicator Class operator license. The minimum passing score is 45 questions answered correctly.

(2) Element 3(B): 25 questions concerning the additional privileges of a General Class operator license. The minimum passing score is 19 questions answered correctly.

(3) Element 4(A): 50 questions concerning the additional privileges of an Advanced Class operator license. The minimum passing score is 37 questions answered correctly.

(4) Element 4(B): 40 questions concerning the additional privileges of an Amateur Extra Class operator license. The minimum passing score is 30 questions answered correctly.

(c) The topicls and number of questions required in each question set are listed below for the appropriate examination element:

Topics	Element: 3 (A)	3 (B)	4 (A)	4 (B)
(1) FCC rules for the amateur	15	4	6	8

radio services				
(2) Amateur Station operating procedures	7	3	1	4
(3) Radio wave propagation characteristics of amateur service frequency bands	4	3	2	2
(4) Amateur radio practices	11	5	4	4
(5) Electrical principles as applied to amateur station equipment	6	2	10	6
(6) Amateur Station equipment circuit components	4	1	6	4
(7) Practical circuits employed in amateur station equipment	3	1	10	4
(8) Signals and emissions transmitted by amateur stations	4	2	6	4
(9) Amateur station antennas and feed lines	6	4	5	4

8. Section 97.505(a) is revised to read as follows:

& 97.505 Element credit.

(a) The administering VEs must give credit as specified below to an examinee holding any of the following documents:

(1) An unexpired (or within the renewal grace period) FCC-issued Novice Class operator license: Element 1(A) and the 30 written questions in Element 3(A) based upon the material from the written examination passed for the Novice Class operator license.

(2) An unexpired (or within the renewal grace period) FCC-issued Communicator Class operator license: Element 3(A).

(3) An unexpired (or within the renewal grace period) FCC-issued Technician Class operator license: Element 3(A).

(4) An unexpired (or within the renewal grace period) FCC-

issued Technician Class operator license issued before March 21, 1987: Elements 3(A) and 3(B).

(5) An unexpired (or within the renewal grace period) FCC-issued General Class operator license: Elements 1(B), 3(A), and 3(B).

(6) An unexpired (or within the renewal grace period) FCC-issued Advanced Class operator license: Elements 3(A), 3(B), and 4(A).

(7) A CSCE: Each element the CSCE indicates the exmanee passed within the previous 365 days.

(8) An unexpired (or within the renewal grace period) FCC-issued commercial radiotelegraph operator license or permit: Element 1(C).

* * * * *

9. Section 97.507 is revised to read as follows:

& 97.507 Preparing an Examination.

(a) Each telegraphy message and each written question set administered to an examinee must be prepared by a VE holding an FCC-issued Amateur Extra Class operator license. A telegraphy message or written question set, however, may also be prepared for the following elements by a VE holding an FCC-issued operator license of the Class indicated:

(1) Element 3(B): Advanced Class operator.

(2) Elements 1(A) and 3(A): Advanced or General Class operator.

(b) Each question set administered to an examinee must utilize questions taken from the applicable question pool.

(c) Each telegraphy message and each written question set administered to an examinee for a Communicator, General, Advanced or Amateur Extra Class operator license must be prepared, or obtained from a supplier, by administering VEs according to instructions from the coordinating VEC.

(d) A telegraphy examination must consist of a message sent in the international Morse code at no less than the prescribed speed for a minimum of 5 minutes. The message must contain each required telegraphy character at least once. No message known to the examinee my be administered in a telegraphy examination. Each 5 letters of the alphabet must be counted as 1 word. Each numeral, punchuation mark and prosign must be counted as 2 letters of the alphabet.

From 4282664219010915770
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c19fc4667c712fb5,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-23 10:41:53 PST
Path: gmdzi!unido!mcsun!uunet!ingr!b11!herbster
From: herbster@b11.ingr.com (Joe Herbster)
Newsgroups: rec.ham-radio
Subject: Here lies Ham Radio...
Keywords: R.I.P.
Message-ID: <7554@b11.ingr.com>
Date: 23 Feb 90 18:41:53 GMT
Organization: Intergraph Corp. Huntsville, AL
Lines: 47
Posted: Fri Feb 23 19:41:53 1990

Seems to me that the "No-code" gang has no further need to whine. O.K. you win. I "worked" for the Novice ticket at the age of 8 and passed on the third try. I could copy 12wpm, but the theory was tough at that age. The only privs a novice had then was CW. The "Incentive" was there 2 years later to upgrade to Advanced and get voice privs. 20 years later, a friend of mine from Iran managed to learn 5wpm and pass the Technician class in three weeks even though English is not his primary language. I'm sorry folks, I just can't help but feel that Morse Code is only a barrier to getting into Amateur radio if you have "NO DICIPLINE". I have never had anyone approach me wanting to get into radio that just could not get the code. A six year old can do it (i did), non-technical folks can do it (my friends have) so what is the problem here??

If you want to "experiment and pioneeer" the advance of radio technology, I see nothing wrong with requiring a little history lesson (how we got to packet) with regards to one of the most commonly used transmission modes in the world. This "lower-the-water" instead of raise the bridge attitude just smacks of lack of dicipline. This lack of dicipline thing has bothered me for some 10 years now. I don't think CW is a "lid-filter" because the lids have gotten in. This constant berating of the "O.F.s" and "Their code" sounds alot like the disaster on 14.325 as of late.

I guess I am just nostalgic, things used to be so genteel and polite on the air. Over the last decade, I have kissed 15 and 20 meters away. Goodbye old friends, THEY have moved in. I find myself spending more and more time these days using CW because you can almost go back to a time of courtesy and dicipline there. It is still hard to scream and rant in CW and the OFs that use the code just seem to be less prone to lidness (notice i said less prone, not imune). The WARC bands are another place of solice, where we OFs go to chew the rag endlessly while one of those #$#%$ contests are trashing the other bands.

While I conceed that the Communicator class was inevitable, and there seems to be no REAL good argument against it, I just can't explain the terrible forboding i feel. Its not as if things will go BANG and get bad, they have been getting bad for many years now. I just can't help but think that this attitude and lack of dicipline will accelerate the degradation that has already begun.

Which band do we kiss off next??

de km4jn
(o.f. for 22 years).

```
From 2556643367451120
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1ed570459e9adf6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-23 11:08:05 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!bionet!apple!usc!brutus.cs.uiuc.edu!
zaphod.mps.ohio-state.edu!sunybcs!uhura.cc.rochester.edu!rochester!rit!cci632!cb
From: cb@cci632.UUCP (Just another hired gun (n2hkd))
Newsgroups: rec.ham-radio
Subject: Re: (posting src) Update on WEBER picture format
Message-ID: <34603@cci632.UUCP>
Date: 23 Feb 90 19:08:05 GMT
References: <961@soleil.UUCP>
Reply-To: cb@cci632.UUCP (Just another hired gun (n2hkd))
Organization: Ring Ring... The number is
Lines: 19
Posted: Fri Feb 23 20:08:05 1990
```

I have heard this discussions along the way before about posting executables and source code. Maybe some of you are priveledged in being allowed access to the sources and binary groups, However, many companies squash them. According to one SA, users tend to keep their own copy of the source/exe and then lots of copies exist wasting system space etc.

I would hope that those rare occations that source/exe are shipped along with this news group, or somehow a mailing list for it. I have quite a job ahead of me to retrieve these files if their posted elsewhere (execpt ibm.binaries). I had to make specail arrangements for that. (Iwish I could ftp but...)

Anyone got any better ideas??
--

email: cb@cci632 or !rochester!kodak!n2hkd!curtis
Curtis Braun, N2HKD, Computronics, PO Box 1002 Fairport NY, 14450

From -3948761515343185995
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2414de4b63cb23ff,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-23 11:22:21 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!tut.cis.ohio-state.edu!att!cbnewsj!kwmc
From: kwmc@cbnewsj.ATT.COM (ken.cochran)
Newsgroups: rec.ham-radio
Subject: Need wattage and range information for us in portable emergency.
Keywords: range wattage portable emergency CB-sorry
Message-ID: <3980@cbnewsj.ATT.COM>
Date: 23 Feb 90 19:22:21 GMT
Organization: AT&T Bell Laboratories
Lines: 22
Posted: Fri Feb 23 20:22:21 1990

I desire to use a pair of portable CB radios as an emergency communication system. The area in which they are to be used is rural and rather hilly and I need to have a reliable range of 2.5 to 3 miles between units.

Can anyone help me to know what kind of wattage I would need ?

Further details of the application and questions follow.

Three years ago my mother had a heart attack and was advised to "take nice long walks as part of her recovery and treatment. This winter, while out walking, she slipped and broke her arm some distance from the nearest house. While this was not life threatening it caused her some distress.

I am hoping to give her a light portable CB which she can use to summon help from home (my dad) and it should have a range of 2.5 to 3 miles (reliably).

Question is what wattage should the units be ?
Is there a formula for wattage to range conversion ?
Are US CB radios different from British ? (FM vs AM ?)
  (There's certainly a difference in price.)

Thanks for any help you can give ...   Ken   mtdca!kwmc

From -2163591398381823917
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8f9feed4bb62db6c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-23 12:59:01 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!APPLE.COM!k3mc
From: k3mc@APPLE.COM (Mike Chepponis)
Newsgroups: rec.ham-radio
Subject: V31BB
Message-ID: <9002232059.AA12799@apple.com>

Date: 23 Feb 90 20:59:01 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Fri Feb 23 21:59:01 1990

Yeah, I also heard this guy with his MFJ "Junk Net"

What bothers me is that my DX Callbook does not show any V31BB in it, although there are lots of other V31 stations, and that I *never* heard any other stations talking to him. Regardless of MFJ quality, is this guy a nut case, or what? Anybody got the scoop?

-Mike k3mc

From -5280449793767771938
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3f244f29ca1e92ee,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-23 15:40:45 PST
Path: gmdzi!unido!mcsun!ukc!icdoc!inmos!inmos-c!col!kenw
From: kenw@col.hp.com (Ken Wyatt)
Newsgroups: rec.ham-radio
Subject: Re: RFI Problem
Message-ID: <4380072@col.hp.com>
Date: 23 Feb 90 23:40:45 GMT
References: <3319@hp-sdd.hp.com>
Organization: HP Colorado Springs Division
Lines: 7
Posted: Sat Feb 24 00:40:45 1990

There has been an ongoing discussion of consumer electronics-related rfi causes and cures back a few index pages. Look under the listings on 2/14/90 "NOISY NEIGHBOR". There are some good ideas to try.

Ken Wyatt WA6TTY
EMC Engineer, Hewlett-Packard Co.
Colorado Springs, CO

From -2952725406544227616
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2e7aff42cc3049c7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-23 17:07:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!usc!ucsd!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Helical Resonator Challenge
Message-ID: <1250124@hpnmdla.HP.COM>
Date: 24 Feb 90 01:07:16 GMT

References: <5710006@hpcvra.CV.HP.COM>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 6
Posted: Sat Feb 24 02:07:16 1990

Design info on helical resonators can be found in Reference Data for
Radio Engineers. (Howard W. Sams Co.)
In my old 5th edition(1972) it's in Chapter 22
Transmission Lines pp 22-28 to 22-30.

Al N1AL

From 1620108238313253329
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2da9ce9fdbb81b97,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: f5cc0,2da9ce9fdbb81b97,start
X-Google-Attributes: gidf5cc0,public
X-Google-ArrivalTime: 1990-02-23 18:04:15 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!cmcl2!yale!think!zaphod.mps.ohio-state.edu!swrinde!cs.utexas.edu!jarvis.csri.toronto.edu!utgpu!watserv1!watmath!att!tsdiag!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,sci.space
Subject: * SpaceNews 26Feb90 *
Keywords: Amateur Satellite News
Message-ID: <187@ka2qhd.UUCP>
Date: 24 Feb 90 02:04:15 GMT
Organization: KA2QHD Public Access Un*x,Ocean NJ
Lines: 125
Xref: gmdzi rec.ham-radio:9821 sci.space:10167
Posted: Sat Feb 24 03:04:15 1990

Bulletin ID: SPC0226

=========
SpaceNews
=========

MONDAY FEBRUARY 26, 1990

SpaceNews originates at KD2BD in Wall Township, NJ, and is distributed weekly around the world on UseNet and Amateur Packet Radio. It is available for UNLIMITED distribution.

* SAREX-2 TESTING CONTINUES *
=============================
Last week, the Shuttle Amateur Radio Experiment #2 (SAREX-2) packet radio station underwent extensive testing at the Marshall Space Flight Center in Huntsville, AL according AMSAT Area Coordinator Ed Stluka (W4QAU). This

testing was being perfomed in conjuction with the training of STS-35 Payload Specialist Ron Parise (WA4SIR) in the use of the ASTRO-1 experiment which will be primary payload on that shuttle mission. The primary payload, ASTRO-1, will be used to conduct a number of astronomical experiments. During the several days of testing this week, radio amateurs in the Huntsville area were invited to connect to WA4SIR and to receive a QSO number.

This special packet radio station flying on STS-35 on May 9, 1990 will give each radio amateur who connects to WA4SIR a QSO number confirming their contact. When the connecting station sends their QSL card in with this contact number, they will receive back a beautiful QSL card commemorating this HAM IN SPACE shuttle flight. The SAREX-2 packet radio station consist of a Motorola 2M FM H/T with 5 watts ouput, a Heathkit HK-21 TNC-2, and a GRiD laptop computer that has a 40 MB hard disk drive to store the calls of all the stations connecting to WA4SIR during the nine day mission. The specially written software which will be running the SAREX-2 packet station is designed to allow for completely unattended operation and logging of the calls of all connecting stations. It will also prevent duplicate QSO numbers being sent! Although no digipeating will be allowed through SAREX-2, connecting to this packet station will be like any terrestrial packet contact. Just use your TNC along with your 2m tranceiver, and everything else is the same. After you have connected and received your QSL number from WA4SIR, on subsequent orbits you can watch for the SAREX-2 message beacons being sent periodically. The message beacons will contain information about the flight of STS-35 and other interesting items.

Look for more information about the SAREX-2 mission in AMSAT News Service (ANS) bulletins and on AMSAT HF/VHF nets in the next couple of months. For more specific information about the ASTRO-1 payload, contact the SPACELINK BBS at (205) 895-0028.

[Story via AMSAT-NA News Service]

* MICROSAT OBJECT NUMBERS *

The following are the corrected Object and Catalog numbers which apply to all MICROSAT/UoSAT element sets after orbit #260:

SATELLITE NAME	INT'L OBJECT NUMBER	CATALOG NUMBER
UO-14	90-05B	20437
UO-15	90-05C	20438
AO-16	90-05D	20439
DO-17	90-05E	20440
WO-18	90-05F	20441
LU-19	90-05G	20442

* OSCAR-11 NEWS *

Here's an actual computer status information message received from OSCAR-11:

```
**UOSAT 2 COMPUTER STATUS INFORMATION**

FAD1 Operating System v2.0b
Today's date is 24 /2 /90 (Saturday)
Universal Time is 1 :46 :27
Auto Mode is selected

SPIN PERIOD IS - 278

Z  MAG firings = 0
+ SPIN firings = 33
- SPIN firings = 20
RAM Wash Pointer at D299
WOD commenced 24 /2 /90 at 0 :0 :10
with channels 10 ,11 ,19 ,29 ,
Last cmd was 109 TO 0 WITH DATA 0

Attitude control initiated, mode 1

Data collection in progress

Digitalker active
```

* FEEDBACK WELCOMED *

=====================

Feedback regarding SpaceNews can be directed to the editor (John) via any of the following paths:

UUCP   : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
PACKET : KD2BD @ NN2Z (Neptune, New Jersey)

MAIL   : John A. Magliacane
Department of Electronics Technology
Brookdale Community College
Newman Springs Road
Lincroft, New Jersey 07738-1599
U.S.A.

<<< Stay on course......Say YES to Morse! >>>

<eof>

--
AMPR : KD2BD @ NN2Z (Neptune, NJ)
UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
"For every problem, there is one solution which is simple,
neat and wrong." -- H.L. Mencken

From 3367962339325677107
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,637add4bb2c1ea8b,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-23 20:09:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!wuarchive!decwrl!shelby!neon!bodega.stanford.edu!paulf
From: paulf@bodega.stanford.edu (Paul Flaherty)
Newsgroups: rec.ham-radio
Subject: Whew!
Message-ID: <1990Feb24.040954.2001@Neon.Stanford.EDU>
Date: 24 Feb 90 04:09:54 GMT
Sender: news@Neon.Stanford.EDU (USENET News System)
Reply-To: paulf@bodega.stanford.edu (Paul Flaherty)
Organization: The Three Packeteers
Lines: 11
Posted: Sat Feb 24 05:09:54 1990

ESA, the European Space Agency, lost a 44-L booster yesterday, which was carrying two Japanese comsats to orbit. ESA has suspended use of the Four series until further notice.

Just glad we got the Microsats off before this happenned, let alone another Phase IIIa disaster...

```
--
-=Paul Flaherty, N9FZX/VK2WYX | "Unix could use a more user-friendly front
->paulf@shasta.Stanford.EDU   |  end.  Does anyone have a card punch handy?"
```

From -3890830306960763822
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6fcf41b046d6b564,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-24 00:14:39 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!swrinde!ucsd!ucbvax!HICKAM-EMH.AF.MIL!1843eie
From: 1843eie@HICKAM-EMH.AF.MIL ("1843 EIG/EIE")
Newsgroups: rec.ham-radio
Subject: Ham PR (was Ham video, or something like that)
Message-ID: <9002240814.AA12945@ucbvax.Berkeley.EDU>
Date: 24 Feb 90 08:14:39 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 52
Posted: Sat Feb 24 09:14:39 1990
X-Unparsable-Date: 23 Feb 90 17:04:00 GMT-10:00

INTEROFFICE MEMORANDUM

Date: 23-Feb-1990 04:51pm HST
From: 1843EIG/EIE
1843EIE
Dept: 1843EIG/EIE
Tel No: 656-1158

TO: Remote Addressee (_INFO-HAMS@WSMR-SIMTEL20.ARMY.MIL)

Subject: Ham PR (was Ham video, or something like that)

>Do I need a ham radio license?
>How do I go about getting one?
>What would such a license allow me to do/not do?
>Would the fact that I would be using this thing exclusively >few
> miles out at sea affect the requirement for a license?
>Are there similar requirements for broadcasting video in Mexican waters?
>And since I'm a novice on broadcasting, what type of video equipment
> would I need to accomplish this? (size, cost, power, etc.)
>
>Thanks in advance. And please e-mail, as like I said, I don't read this
>group. I'll post a summary if there is (e-mail) demand.
>--
>John H. Kim | (This space to be filled when I
>jokimarthur.Claremont.edu | think of something very clever
>uunet!muddcs!jarthur!jokim | to use as a disclaimer)

Well, here I go again. If we had *decent* public relations (i.e. advertising)), then John wouldn't have had to ask at least questions 1-3. When are we collectively going to realize that it's not whether or not we have a no-code license that's going to "save ham radio" but rather public awareness of who we are, what we do, and how important we are to the country! Hell, look at the latest W5YI report. The FCC's newest commissioner, Sherrie Marshall, couldn't even get the ARRL's name right. Maybe *that* will finally get the League to spend some $$ on PR instead of the "Star Wars" W1AW (before you flame, yes, I know it was financed with donations).

```
--------------------------------------------------------------------------------
Jeff Miller, WD6CQV/KH6                |  "Just because I'm a Californian,
USAF MARS:  AFA8JM                     |     it doesn't mean I'm not an
Chief, Engineering Workload Control    |             American!"
1843 EIG/EIP                           |                 -- Agnes DiPesto,
Wheeler AFB, HI  96854-6348            |                   "Moonlighting"
Commercial: (808) 656-1226             |
AUTOVON: (315) 456-1226                |

Opinions?   Me?   On government time?   Ya gotta be kidding!
--------------------------------------------------------------------------------
```

From -8625955984273927879

```
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2e7aff42cc3049c7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-24 04:18:17 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!
STLAWU.BITNET!MROWEN
From: MROWEN@STLAWU.BITNET (Mike Owen W9IP)
Newsgroups: rec.ham-radio
Subject: Helical Resonator Challenge
Message-ID: <9002261337.AA02092@ucbvax.Berkeley.EDU>
Date: 24 Feb 90 12:18:17 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 13
Posted: Sat Feb 24 13:18:17 1990

Regarding the front-end problems at OSU:
It sounds to me like you have problems both
with intermod and simple front-end overload
(padding 30 in front of the RX cleared up the problem
and you could still hear the TX).
Rather than helical resonator(s), which are a little
small at 450 MHz and thus hard to build by hand, I
would recommend a 1/4 wave cavity filter.  You can
build one out of hardware store plumbing parts and
hobby brass tubing, plus a couple of connectors.
Nothing to it, and the cost should be about $2.  It
ought to give you 30db out-of-band rejection.
- Mike Owen W9IP


From 4556419068215325974
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,91063f5aac14a443,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,91063f5aac14a443,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-02-24 10:48:42 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!njin!rutgers!cs.utexas.edu!yale!husc6!m2c!wpi!
jwhitson
From: jwhitson@wpi.wpi.edu (John C Whitson KB2GNC)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Heath HD4040 and ICOM IC-2AT
Keywords: interface transformer
Message-ID: <9073@wpi.wpi.edu>
Date: 24 Feb 90 18:48:42 GMT
Organization: Worcester Polytechnic Institute, Worcester, Mass.
Lines: 19
Xref: gmdzi rec.ham-radio:9819 rec.ham-radio.packet:1832
Posted: Sat Feb 24 19:48:42 1990


     Does anyone have any experience with this? The problem is
```

that in the way the PTT is on the ICOM 2AT, its not compatible with the TNC's output.

My question is: who has done the correct interface as reccommended by Heath (using 3:1 audio transformer), and does the transformer have to be 3:1, or would an ordinary 1:1 work? (I'd wind one, but I don't have access to torodial cores.)

Thanks ....

```
--
----------  If at first you don't succeed,  so much for skydiving ---------
John Whitson:   Internet: jwhitson@wpi.wpi.edu  Bitnet: jwhitson@wpi.bitnet
73's from KB2GNC/1                           UUCP: uunet!wpi.wpi.edu!jwhitson
----------  Anything with this tag on it is purely my own opinion ---------
```

```
From 2946349814301784924
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f3d7bfb016e98016,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-24 15:55:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!uakari!aplcen!wb3ffv!
howardl
From: howardl@wb3ffv.ampr.org ( WB3FFV)
Newsgroups: rec.ham-radio
Subject: New Numbers at WB3FFV Ham BBS!
Keywords: bbs ham numbers
Message-ID: <2736@wb3ffv.ampr.org>
Date: 24 Feb 90 23:55:46 GMT
Organization: Fast Computer Service, Inc. - Middle River, MD
Lines: 70
Posted: Sun Feb 25 00:55:46 1990
```

Hello All,

I have just moved the wb3ffv ham bbs to a new location, so see the attached information for the new dialup information...

```
+-------------------------------------------------------------------------------+
        HOW TO ACCESS THE WB3FFV AMATEUR RADIO TELEPHONE BBS !!!
```

I have placed a BBS system on-line that is mainly oriented towards the Amateur Community (but there is other stuff on-line). As of now I have not attempted to promote this system any place except in the amateur channels (PACKET, USENET, & word of mouth), and will continue under this policy, as I hope to keep it oriented toward amateur radio. The various software for

UP/DOWNload is available via telephone dialup and Packet TCP/IP, and through user support I hope to keep the latest and greatest ham software on-line. Below is the information that is needed in order to access the BBS via Telephone -or- TCP/IP, please pass it around to as many ham's as possible.

System Name: WB3FFV
User Login: bbs
Number: (301)-625-0817 -- 1200 & 2400 (Non-MNP)
Number: (301)-625-9482 -- 1200 & 2400 (MNP5), 4800 & 9600 V.32 (V.42/MNP5)
Number: (301)-625-9663 -- 1200 & 2400 (MNP5), 9600 & 19200 (PEP)
Data Settings: 8 Bits, NO Parity, 1 Stop Bit
Times: 24hrs/365days (except for routine maintenance)
Software: XBBS (UNIX/Xenix Multiuser BBS)
IP Address: 44.60.0.1 {wb3ffv.ampr.org} [for FTP access on 145.550 mhz ONLY]
Misc. Info: Machine is an 80386 computer running UNIX V.3.2 and features 700 Meg of on-line storage. Most transfer protocols are available!!

I attempt to keep the latest and greatest HAM software on-line, and encourage all to upload anything new that they come up with, as it is of benefit to all. Here is a sample of a couple pieces of software that is available for DOWNLOAD:

KA9Q TCP/IP Software for the PC (Latest OFFICIAL release + TEST Versions)
KA9Q TCP/IP for the Atari-ST, MAC, & Amiga
KA9Q TCP/IP for UNIX based systems
KA9Q TCP/IP (The NOS release)
WA7MBL BBS for the PC (Versions 3.31, 4.31 & 5.12)
W0RLI BBS for the PC (Versions 6.xx, 7.xx, 8.xx, 9.xx, 10.xx)
MSYS BBS for the PC running KISS TNC's (Version 1.07)
Various BBS utilities and enhancements
Several MORSE CODE Tutors
TheNet software by NORD><LINK (Version 1.01)
Modifications for many HAM Rigs and Scanners
Digital Signal Processing software (DSP)
DX and contesting programs
ARRL Newsletters & Gateway
W5YI Electronic Edition

There is much more available on the BBS, and I don't want to waste a lot of PACKET BBS space trying to list it all, so if you are interested give it a call and see for yourself !!!

If you are interested in using UUCP to connect to the BBS, this can also be done as I support Anon-uucp. The login to the system is 'uucpanon', and there is NO password. The listing of avalible archives are stored in a file called 'FILES', and it is located in the /usr/spool/uucppublic. To retrieve the files listing just use the following command:

```
uucp wb3ffv!~/FILES /usr/spool/uucppublic
```

This will move a copy of my files listing into your uucppublic directory. If you have any questions or problems, feel free to contact me at one of the numbers/adresses below. Good Luck...

From 3595821713822609083
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,d9ca3aaf4d152b6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-24 18:04:06 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!n8emr!gws
From: gws@n8emr.UUCP (Gary Sanders)
Newsgroups: rec.ham-radio
Subject: vk2
Message-ID: <1439@n8emr.UUCP>
Date: 25 Feb 90 02:04:06 GMT
Reply-To: gws@n8emr.UUCP (Gary Sanders)
Organization: Ham BBS, 614-895-2553 (1200/2400/19.2 telebit,8N1)
Lines: 190
Posted: Sun Feb 25 03:04:06 1990

```
==============================================================
|        Relayed from packet radio via                  |
| N8EMR's Ham BBS, 614-895-2553 (1200/2400/19.2 telebit,8N1) |
==============================================================
```

SB ALL @ ALLUSA $RTDX2302
RTTY DX Notes, 1of3, 2/23/90

RTTY DX Notes For Weekending 23rd February 1990
Part 1 of 3.
BID: $RTDX2302

During the week a packet station was seen on 14064 KHz, while another has taken up residence on 14083 KHz. 21077 KHz has also received a visit, but i believe that was to tell the W1AW code practice to "Get Off My Frequency". One wonders what communications has been reduced to?

Our thanks this week go to I5FLN, JA1BLV, JG1NBD, OD5NG, TG9VT, UT5RP, VK2EG, W1DA, and W6/G0AZT. Thanks chaps for your interest and help.

Bandpass:

Friday 16:

BV4VB	14084	at	0845Z	FEC
CT3FF	14090	at	1101Z	
KL7JAF/C6A	14071	at	2045Z	QSL/Note
ZD8BOB	21086	at	2200Z	

Saturday 17:

PZ1BS	14095	at	0135Z
TU2BB	14091	at	0652Z

```
4K2OT       14090  at  0840Z  QSL
ES7FU       21086  at  1146Z
TA3B        21088  at  1148Z
UO5OK       21091  at  1151Z  QSL/Note
UI8FM       21098  at  1206Z  QSL
UG7GWH      21083  at  1412Z  QSL
LY2BOK      21088  at  1445Z  QSL
EA6MS       14085  at  1613Z
C56/6W6JX   28084  at  1650Z  QSL
JX9CAA      14083  at  1735Z  QSL
EA9JV       14084  at  1834Z

Sunday 18:
PJ2MI       28092  at  0015Z
TU2BB       14093  at  0105Z
VP8BFH      14095  at  0320Z
ZS6PI       14090  at  0455Z
UO5OK       14090  at  0535Z
TI2US       14085  at  0540Z  Note
C56/6W6JX   14090  at  0626Z
4K2OT       21090  at  0705Z
RA9AO       21086  at  0740Z
SV5ADM      28092  at  0845Z  QSL
9H1EL       28082  at  0906Z  QSL
BY1QH       21090  at  0908Z
5Z4TA       21080  at  0929Z
ES7FU       21086  at  0936Z
V85GA       14074  at  0940Z  ARQ
VE8RCS      14089  at  1930Z  Z2

Continued in part 2.
/EX
SB ALL @ ALLUSA $RTDX2402
RTTY DX Notes, 2of3, 2/23/90

RTTY DX Notes For Weekending 23rd February 1990
Part 2 of 3.
BID: $RTDX2402


Monday 19:
PJ2JP       14097  at  0035Z
UZ9CWW      14092  at  0050Z
D44BC       14087  at  0317Z
AH9AC       14093  at  0420Z
VK0JR       14079  at  0912Z  QSL/ARQ
FK8BK       14074  at  0920Z  ARQ
5V7DP       28090  at  1545Z
CU3CB       21094  at  1545Z
UG7GWH      14091  at  1735Z
HK0/N3JT    28085  at  1900Z
J28TY       14092  at  1936Z
```

Tuesday 20:

H44SH	21083	at	1019Z	
PJ2WOL	21087	at	1729Z	
GU0/KD7TT	14085	at	1740Z	QSL
TZ6VV	21091	at	1840Z	
UC1AWW	14084	at	1820Z	
HK0/N3JT	14088	at	2328Z	

Wednesday 21:

FR5ZD	14074	at	0430Z	FEC
UY9YE	14086	at	0800Z	
YB6NOD	14084	at	1455Z	
UZ3UWA	14084	at	1540Z	
JX9CAA	14083	at	1510Z	
A41JR	14078	at	1546Z	
SV5ADM	14088	at	2155Z	

Thursday 22:

9K2EC	14074	at	0005Z	ARQ
VP8BFH	14093	at	0015Z	
RL8PYL	14087	at	0315Z	
ZC4RF	14081	at	0614Z	
RH0W/UA4LM	14094	at	0815Z	
BV4VB	14089	at	0950Z	

QSL Information:

KL7JAF/C6A QSL to Box 10079, Fairbanks, AK 99710.

4K2OT has a QSL manager of UB5KW.

UI8FM will QSL via Box 10, Andizhan, 710000, Uzbek, USSR.

UG7GWH to Box 111, Alushta 334270. USSR.

C56/6W6JX says to QSL to Box 200, Kaolac, Senegal.

JX9CAA to LA5NM or 8013 Jan Mayen, Norway.

SV5ADM cards to Box 464, GR-85100, Rhodes, Greece.

9H1EL via LA2OT.

VK0JR (Macquarie Island) to VK9NS.

GU0/KD7TT via Rue De Douzaine, St Peter Port, Guernsey, U.K.

Continued in part 3.
/EX
SB ALL @ ALLUSA $RTDX2502
RTTY DX Notes, 3of3, 2/23/90

RTTY DX Notes For Weekending 23rd February 1990
Part 3 of 3.
BID: $RTDX2502

Having problems with QSL for UO5OK? Try sending them via UT5RP. Dima can get the cards for you.

Notes of Interest:

KL7JAF/C6A will be in the Bahamas until the end of the month.

JH1LBR will sign T32LB from March 22nd until 27th.

IS0XV (Spratley) is still planned for 15th March through 30th March. If you wish to send donations we will advise you shortly. In case of cancellations all donations will be refunded.

OH2BH with some YV operators will be active from Aves Island (YV0) for one week about mid March. Martti will be going to Jarvis Island and Conway Reef later in the year.
JA3AUQ will be in 8Q7 (Maldives) from 27th February until 4th March.

RW3DX informs us that he will be going to Vietnam (3W) around the 13th of March, with UA3DK and UA3DZ. The calls will be 3W3DX, 3W3DK and 3W3DZ. QSL RW3DX to Box 145, Dubna, 141980 USSR, and UA3DK and UA3DZ via Box 45 Dubna 141980 USSR.

It is reported that all Russian amateurs who hold first category of radio station license will be permitted to use packet, SSTV and RTTY from March 1st without having to obtain prior permission as has been the case up until now.

EA9JV reports that the Western Saraha (SO) DXpedition is still on, and should appear around the first week of March with the callsigns of SO1EA, SO2EA, SO4EA and maybe SO1LYNX. QSL to The Lynx DX Club. EA9JV also says that he is trying for 7X for a one week stint after the Western Saraha operation. More later.

GL DE DX1 (VK2SG).

Relayed via packet by Tad, KT7H @ N7HFZ.WA.USA.NA.
/EX
--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/PEP) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

From -5236745673986066115

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ba854d9a52c34b72
X-Google-Attributes: gid10c9e3,public
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BLACKBIRD.AFIT.AF.MIL!tkelso
From: tkelso@BLACKBIRD.AFIT.AF.MIL (TS Kelso)
Newsgroups: rec.ham-radio
Subject: NASA Prediction Bulletins
Message-ID: <9002261339.AA02311@ucbvax.Berkeley.EDU>
Date: 25 Feb 90 05:40:35 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 399
Posted: Sun Feb 25 06:40:35 1990

The most current orbital elements from the NASA Prediction Bulletins are carried on the Celestial RCP/M, (513) 427-0674, and are updated several times weekly. Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial RCP/M may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

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- Current NASA Prediction Bulletins #651 -
Alouette 1
1 00424U 62B-A  1 90 49.50739522  .00000176  00000-0  20256-3 0  2608
2 00424  80.4611  43.0727 0022273 216.2518 143.7103 13.67294553366476
ATS 1
1 02608U 66110  A 90 51.86237162 -.00000204  00000-0  99999-4 0  1099
2 02608  13.4436  14.6802 0005843 255.4378 104.5483  1.00389060  1388
ATS 3
1 03029U 67111  A 90 50.93793706 -.00000075  00000-0  99999-4 0  2937
2 03029  13.0578  22.1730 0032036 199.6822 160.3072  1.00272408 81626
Cosmos 398
1 04966U 71 16  A 90 50.98395242  .00025172  16803-4  15495-3 0  5785
2 04966  51.5381 168.5227 2366861 289.7650  46.4367 10.85690858578853
Starlette
1 07646U 75010  A 90 50.72287824 -.00000054  00000-0  53998-5 0   125
2 07646  49.8251 261.9714 0206474 163.2409 197.5440 13.82130281759530
LAGEOS
1 08820U 76039  A 90 49.41237959  .00000003  00000-0  00000 0 0    55
2 08820 109.8635 314.4459 0044679 263.5566  96.0061  6.38664448 66356
GOES 2
1 10061U 77048  A 90 46.00000000 -.00000258  00000-0  99999-4 0  3633
2 10061   7.7624  65.4409 0000805 193.4731 191.6728  1.00264670  7811
GPS-0001
1 10684U 78020  A 90 49.26722362  .00000008  00000-0  99999-4 0  3270
2 10684  63.6543  93.2278 0116277 199.2899 160.3272  2.00557131 73465
GPS-0002
1 10893U 78 47  A 90 50.23356658 -.00000026  00000-0  00000 0 0   987
2 10893  64.4379 334.0603 0162021  25.7076 335.1238  2.00549132 86302
GOES 3
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1 10953U 78062  A 90 47.14404981  .00000086  00000-0  99999-4 0  8163
2 10953   6.6425  67.9654 0006417 253.8525 106.2050  1.00280854  3384
SeaSat 1
1 10967U 78064  A 90 49.02606463  .00000472  00000-0  20749-3 0  2358
2 10967 108.0197  74.3019 0002501 239.1761 120.9161 14.35417458609357
GPS-0003
1 11054U 78093  A 90 45.04811199 -.00000025  00000-0  00000 0 0  1640
2 11054  63.9829 330.5682 0056165 117.6506 242.9586  2.00565837 83212
Nimbus 7
1 11080U 78098  A 90 46.23034806  .00000060  00000-0  70472-4 0  6321
2 11080  99.2026 313.8734 0009779  51.5494 308.6557 13.83395456571171
GPS-0004
1 11141U 78112  A 90 50.62866880  .00000008  00000-0  00000 0 0  2692
2 11141  63.6819  93.0923 0059436 316.8517  42.7533  2.00563227 82020
NOAA 6
1 11416U 79 57  A 90 49.10834964  .00000623  00000-0  27425-3 0  9712
2 11416  98.5208  44.3455 0012777 108.8469 251.4077 14.26480011552951
GPS-0005
1 11690U 80 11  A 90 50.26876934  .00000010  00000-0  00000 0 0  9064
2 11690  64.1330  95.0999 0144366 198.4554 160.9414  2.00555588 87870
GPS-0006
1 11783U 80 32  A 90 49.08682440 -.00000025  00000-0  00000 0 0   423
2 11783  63.7583 330.0205 0146556  60.4186 301.0606  2.00573439 71938
GOES 4
1 11964U 80 74  A 90 46.73288440 -.00000050  00000-0  00000 0 0  1341
2 11964   6.1256  70.6580 0030373 107.7644 252.7270  0.99231736  4441
GOES 5
1 12472U 81049  A 90 48.99247081 -.00000242  00000-0  99999-4 0  8244
2 12472   3.1761  77.2953 0001376 222.5361 137.7015  1.00258875 31056
DE 1
1 12624U 81 70  A 90 47.82306354  .00000007  00000-0 -80514-4 0  3288
2 12624  89.0965 148.9947 6226668 322.3147   7.2508  3.51027566257892
SME
1 12887U 81100  A 90 50.62730641  .00028929  00000-0  68162-3 0  4912
2 12887  97.6538  91.6245 0003425  86.2426 273.9217 15.41886017463101
Meteor 2-08
1 13113U 82 25  A 90 42.50192992  .00000146  00000-0  12100-3 0  6915
2 13113  82.5368 228.5151 0016361 108.2363 252.0567 13.84131568398341
Salyut 7
1 13138U 82 33  A 90 50.77851650  .00060794  00000-0  90186-3 0   573
2 13138  51.6049 174.6052 0000193 257.2862 102.8397 15.54631318446532
Cosmos 1383
1 13301U 82 66  A 90 41.91927579  .00000125  00000-0  13626-3 0  5358
2 13301  82.9275  33.3088 0028059 145.6506 214.6469 13.67798968380411
LandSat 4
1 13367U 82 72  A 90 50.43085336 -.00000107  00000-0 -18640-4 0  2362
2 13367  98.1800 115.1907 0003560 122.1733 237.9817 14.57123697404151
Meteor 2-09
1 13718U 82116  A 90 48.40526717  .00000272  00000-0  13720-3 0  8571
2 13718  81.2412  41.6137 0057111  22.3608 338.0031 14.13447204370196
IRAS
1 13777U 83  4  A 90 47.53486250  .00000015  00000-0  22703-4 0  7175
2 13777  99.0302 246.1513 0011758   3.3342 356.7889 13.98732050 30073
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Cosmos 1447
1 13916U 83 21  A 90 49.57206005  .00000095  00000-0  94414-4 0  6752
2 13916  82.9469  99.7629 0039752 108.9157 251.6320 13.74009536346380
TDRS 1
1 13969U 83 26  B 90 48.99406120 -.00000208  00000-0  00000 0 0  9281
2 13969   4.1854  66.8163 0006157 254.7035 105.4132  1.00268072 91885
GOES 6
1 14050U 83 41  A 90 50.18192614  .00000111  00000-0  00000 0 0   737
2 14050   1.9419  79.6549 0000973 241.2116 119.0889  1.00288864  9082
OSCAR 10
1 14129U 83 58  B 90 49.80793411  .00000000  00000-0  00000 0 0  4563
2 14129  25.9253 218.0969 5995939 119.7301 312.5438  2.05881409 22299
GPS-0008
1 14189U 83 72  A 90 49.67954397  .00000008  00000-0  99999-4 0  7079
2 14189  63.3020  91.6085 0142290 217.4355 141.6354  2.00560503 48381
Meteor 2-10
1 14452U 83109  A 90 49.46215039  .00000419  00000-0  17384-3 0  8189
2 14452  81.1623  46.6676 0095811 106.4279 254.7466 14.22586129327553
LandSat 5
1 14780U 84 21  A 90 50.25169564 -.00000621  00000-0 -13286-3 0   509
2 14780  98.1344 112.2983 0002416 170.3768 189.7478 14.57138227317546
UoSat 2
1 14781U 84 21  B 90 48.23455094  .00001437  00000-0  27754-3 0  6146
2 14781  97.9657 104.6500 0011868 270.7010  89.2792 14.64885067318405
GPS-0009
1 15039U 84 59  A 90 50.73671743  .00000007  00000-0  00000 0 0  8126
2 15039  63.0501  90.7833 0017893 235.5134 124.3886  2.00562441 41681
Cosmos 1574
1 15055U 84 62  A 90 48.72148484  .00000116  00000-0  11329-3 0  8250
2 15055  82.9596 150.3703 0026544 298.3296  61.5184 13.73325691283677
Meteor 2-11
1 15099U 84 72  A 90 49.73876473  .00000151  00000-0  12683-3 0  9969
2 15099  82.5317 170.2710 0011979 268.7096  91.2691 13.83787985284219
GPS-0010
1 15271U 84 97  A 90 50.13357525 -.00000026  00000-0  00000 0 0  7502
2 15271  63.2775 329.6171 0105526 324.9700  34.3698  2.00572167 38780
Cosmos 1602
1 15331U 84105  A 90 46.19825826  .00002246  00000-0  31207-3 0  1713
2 15331  82.5379 113.9127 0024352  15.7534 344.4349 14.77302725290071
NOAA 9
1 15427U 84123  A 90 46.50090442  .00000303  00000-0  18528-3 0  4819
2 15427  99.1635  43.5375 0015178 354.4157   5.6823 14.12433938266806
Meteor 2-12
1 15516U 85 13  A 90 48.57766576  .00000271  00000-0  23300-3 0  1561
2 15516  82.5360 109.5781 0017584 142.9281 217.3098 13.84281332255004
Cosmos 1686
1 16095U 85 86  A 90 50.71420610  .00085971  00000-0  12688-2 0  5019
2 16095  51.6046 174.9280 0000430   9.6365 350.3189 15.54622638247624
GPS-0011
1 16129U 85 93  A 90 49.79765429  .00000008  00000-0  00000 0 0  4144
2 16129  63.8151  91.6717 0121346 150.4122 210.3524  2.00560309 31981
Meteor 3-1
1 16191U 85100  A 90 48.53696332  .00000043  00000-0  99999-4 0  8940
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2 16191  82.5439  62.2770 0021297  50.2786 310.0210 13.16895091207812
Meteor 2-13
1 16408U 85119  A 90 48.94458337  .00000177  00000-0  14893-3 0  5705
2 16408  82.5321  24.1159 0016201 337.8310  22.2136 13.84293209209557
Mir
1 16609U 86 17  A 90 51.19242889  .00073077  00000-0  94720-3 0  4154
2 16609  51.6165 199.5967 0017968 186.0425 173.9541 15.58009056229834
SPOT 1
1 16613U 86 19  A 90 49.69902641 -.00000002  00000-0  81106-5 0  7688
2 16613  98.7127 125.8676 0001457 144.2367 215.8840 14.20019482 47114
Meteor 2-14
1 16735U 86 39  A 90 48.96180480  .00000086  00000-0  71788-4 0  3550
2 16735  82.5332  51.0584 0015998  46.0421 314.2055 13.84046144188450
Cosmos 1766
1 16881U 86 55  A 90 50.69401799  .00002061  00000-0  28893-3 0  8662
2 16881  82.5252 168.9234 0022633  17.0177 343.1795 14.76921695191803
EGP
1 16908U 86 61  A 90 39.33458006 -.00000015  00000-0  20168-3 0  1680
2 16908  50.0103 292.1270 0010555 226.9308 133.0642 12.44384985158814
FO-12
1 16909U 86 61  B 90 23.89068611 -.00000025  00000-0  99999-4 0  1785
2 16909  50.0168 339.9003 0011453 184.7940 175.2781 12.44403507156880
NOAA 10
1 16969U 86 73  A 90 50.05362234  .00000457  00000-0  21774-3 0  3415
2 16969  98.6144  80.5857 0012545 254.7412 105.2379 14.23458098177804
Meteor 2-15
1 17290U 87  1  A 90 48.20138092  .00000254  00000-0  21994-3 0  3332
2 17290  82.4705 317.2395 0012346 303.6621  56.3361 13.83857857157501
MOS-1
1 17527U 87 18  A 90 49.64425687  .00000590  00000-0  46504-3 0  4092
2 17527  99.1199 123.6668 0001076  90.0032 270.1284 13.94855680152733
GOES 7
1 17561U 87 22  A 90 42.90528454 -.00000044  00000-0  99999-4 0  4152
2 17561   0.0542 231.1025 0003401 270.3515 218.5433  1.00271011  4168
Kvant-1
1 17845U 87 30  A 90 50.80756608  .00051193  00000-0  66808-3 0    22
2 17845  51.6217 201.5245 0017594 182.5636 177.3845 15.57986836165820
DMSP B5D2-3
1 18123U 87 53  A 90 50.23500452  .00000383  00000-0  22185-3 0  4825
2 18123  98.8203 242.4029 0014796   2.4477 357.6766 14.13867421137739
RS-10/11
1 18129U 87 54  A 90 49.95895744  .00000409  00000-0  43844-3 0   415
2 18129  82.9234  55.8728 0013442  87.4289 272.8445 13.72060837133239
Meteor 2-16
1 18312U 87 68  A 90 49.00820383  .00000218  00000-0  18868-3 0  3720
2 18312  82.5515  24.7448 0010475 227.5488 132.4781 13.83599916126509
Meteor 2-17
1 18820U 88  5  A 90 48.72052619  .00000162  00000-0  13485-3 0  2012
2 18820  82.5429  85.4362 0015792 304.8082  55.1585 13.84294040103657
DMSP B5D2-4
1 18822U 88  6  A 90 50.22124689  .00000433  00000-0  21578-3 0  3980
2 18822  98.6648 291.5932 0005670 252.5358 107.5198 14.21267872106067
AO-13
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1 19216U 88 51  B 90 41.42885779 -.00000159  00000-0  99999-4 0   733
2 19216  57.0308 169.3778 6891138 220.8787  59.0778  2.09703020 12748
OKEAN 1
1 19274U 88 56  A 90 50.90764815  .00001795  00000-0  25427-3 0  6525
2 19274  82.5153 267.3485 0022927 142.1539 218.1345 14.76379622 87614
Meteor 3-2
1 19336U 88 64  A 90 50.35014802  .00000391  00000-0  99999-3 0  3743
2 19336  82.5152   0.7635 0016067 251.4135 108.5220 13.16879183 75444
NOAA 11
1 19531U 88 89  A 90 47.23939277  .00000387  00000-0  23411-3 0  1987
2 19531  98.9694 355.5157 0011087 264.9765  95.0160 14.11446144 71901
TDRS 2
1 19548U 88 91  B 90 47.07025094  .00000130  00000-0  99999-4 0   747
2 19548   0.0232 126.0249 0002137 189.4132  44.5369  1.00269566  4236
Cosmos 2001
1 19796U 89 11  A 90 50.05365820 -.00001020  00000-0  99999-3 0  3620
2 19796  63.0148 108.0683 7143483 319.7849   5.0946  2.00595865  7431
GPS BII-01
1 19802U 89 13  A 90 35.34513610  .00000016  00000-0  99999-4 0   684
2 19802  55.0712 202.6476 0060751 157.6649 202.5881  2.00560950  7084
Akebono
1 19822U 89 16  A 90 50.53909117  .00029038  00000-0  18521-2 0  4463
2 19822  75.1306 295.9509 4212593 296.3505  26.7735  7.05145308 25102
Meteor 2-18
1 19851U 89 18  A 90 48.08266076  .00000189  00000-0  16080-3 0  1512
2 19851  82.5210 324.1541 0014841 348.1753  11.9104 13.83933378 48953
TDRS 3
1 19883U 89 21  B 90 45.71262869 -.00000235  00000-0  99999-4 0   540
2 19883   0.0420 275.5431 0004258 356.2517  88.1551  1.00272821  2667
GPS BII-02
1 20061U 89 44  A 90 51.48309270 -.00000031  00000-0  00000 0 0   504
2 20061  54.7073  20.5658 0082028 172.4480 187.6808  2.00563796  5156
Nadezhda
1 20103U 89 50  A 90 48.85460296  .00000079  00000-0  77837-4 0   789
2 20103  82.9596  12.9559 0038771  12.9697 347.2448 13.73560741 31337
GPS BII-03
1 20185U 89 64  A 90 52.44987690  .00000016  00000-0  99999-4 0   410
2 20185  54.9339 202.8419 0026790 142.1692 217.9865  2.00563434  3745
Soyuz TM-8
1 20218U 89 71  A 90 49.78131967  .00016618  00000-0  22296-3 0  1653
2 20218  51.6150 206.6764 0018210 178.1172 182.1942 15.57896318 25820
Activnyi
1 20261U 89 80  A 90 53.78262757  .00001530  00000-0  48407-3 0  2995
2 20261  82.6019 301.1784 1258944 236.9196 110.5075 12.43250986 18370
Activnyi RB
1 20262U 89 80  C 90 46.06162671  .00000647  00000-0  20139-3 0  1374
2 20262  82.6003 306.0857 1260784 254.4323  91.4363 12.42963906 17414
Magion 2
1 20281U 89 80  B 90 53.77110694  .00001887  00000-0  59449-3 0  3116
2 20281  82.5996 301.1527 1259058 236.9063 110.4974 12.43414696 18377
GPS BII-04
1 20302U 89 85  A 90 24.26182608 -.00000030  00000-0  99999-4 0   405
2 20302  54.7308 322.9201 0039138 309.5421  50.1182  2.00572809  1868
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Meteor 3-3
1 20305U 89 86  A 90 48.99344204  .00000035  00000-0  79880-4 0   521
2 20305  82.5545 302.0754 0015034 268.6985  91.2418 13.15850265 15275
COBE
1 20322U 89 89  A 90 53.57195001  .00004624  00000-0  30907-2 0   525
2 20322  99.0255  65.0376 0007029 330.4779  29.6034 14.01305595 13437
Kvant-2
1 20335U 89 93  A 90 52.73178126  .00084370  00000-0  10823-2 0  1207
2 20335  51.6203 191.8732 0018413 190.1412 170.0377 15.58213156 13723
GPS BII-05
1 20361U 89 97  A 90 46.49108412  .00000016  00000-0  99999-4 0   147
2 20361  54.9563 145.1519 0064539  44.0979 316.4336  2.00576495  1287
Progress M2
1 20373U 89 99  A 90 39.96519137  .00040609  00000-0  54269-3 0   643
2 20373  51.6179 255.8868 0019612 143.3281 216.8138 15.57412172  6997
Cosmos 2053
1 20389U 89100  A 90 37.69776942 -.00009522  00000-0 -52566-3 0   841
2 20389  73.5350  12.9155 0009246 142.4199 217.7513 15.13845107  6312
1989 100B
1 20390U 89100  B 90 37.89506855  .00003174  00000-0  17917-3 0   452
2 20390  73.5364  12.4933 0008510 140.5643 219.6170 15.13676726  6346
Cosmos 2054
1 20391U 89101  A 90 36.43219190 -.00000113  00000-0  99999-4 0   683
2 20391   1.4298 273.9944 0013700 184.1560 176.3791  1.00219912   420
1989 101D
1 20394U 89101  D 90 28.80723554 -.00000044  00000-0  99999-4 0   179
2 20394   1.4580 273.7841 0010326  45.7172 314.6587  0.98249334   330
Skynet 4A
1 20401U          90 34.46985689 0.00000105                    0   342
2 20401   3.3785 303.9369 0021714  52.1684 308.2156  1.00597179   216
JCSAT
1 20402U 90  1  B 90 37.19418073 -.00000138  00000-0  99999-4 0   218
2 20402   0.2478 260.8796 0002589  13.7330  85.3249  1.00270543   340
1990 001D
1 20404U          90 38.32261194 0.00002626           17207-2 0   331
2 20404  21.5429 270.3906 7209065 196.3238 114.5390  2.34605795   883
1990 001F
1 20406U          90 38.86337825 0.00007184           19135-2 0   300
2 20406  26.7137 254.6073 5866581 226.3657  66.9195  4.22382468  1597
LEASAT 5
1 20410U          90 44.00498078 0.00000071           10000-3 0   239
2 20410   3.3547 323.2542 0123328 185.1682 174.8531  1.00284836   283
1990 002C
1 20411U          90 46.13646292 0.00006624           15573-2 0   373
2 20411  27.1943  95.8363 5238158  60.6639 341.5665  5.20564091  1847
Cosmos 2056
1 20432U          90 48.61316750 0.00000331           13772-3 0   216
2 20432  74.0360 264.2249 0024233 282.9758  76.8658 14.29717088  4288
1990 004B
1 20433U          90 51.16735862 0.00000442           17528-3 0   238
2 20433  74.0347 259.4384 0036366 290.2242  69.5000 14.31252170  4661
SPOT 2
1 20436U 90  5  A 90 52.69361018  .00000552  00000-0  27739-3 0   465
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2 20436  98.7181 128.7943 0000877  94.4633 265.6624 14.20028468  4354
UO-15
1 20437U 90  5  B 90 51.20925581  .00000136  00000-0  62595-4 0   191
2 20437  98.7074 127.6262 0011863 133.4472 226.7691 14.28489200  4164
AO-16
1 20438U 90  5  C 90 52.26456850  .00000223  00000-0  10547-3 0   182
2 20438  98.7128 128.6765 0010460 127.9180 232.2949 14.28268284  4312
UO-14
1 20439U 90  5  D 90 51.27752383  .00000336  00000-0  14993-3 0   200
2 20439  98.7160 127.7169 0011872 133.0620 227.1560 14.28579197  4176
DO-17
1 20440U 90  5  E 90 52.25739911  .00000417  00000-0  18177-3 0   111
2 20440  98.7153 128.6947 0011993 130.0555 230.1712 14.28613842  4317
WO-18
1 20441U 90  5  F 90 53.23543324  .00000543  00000-0  23195-3 0   129
2 20441  98.7114 129.6772 0012817 128.9972 231.2353 14.28729505  4459
LO-19
1 20442U 90  5  G 90 51.20312279  .00000349  00000-0  15461-3 0   163
2 20442  98.7143 127.6484 0012798 133.6862 226.5403 14.28793437  4165
Ariane RB
1 20443U          90 47.11760523 0.00000341           14765-3 0   239
2 20443  98.6136 123.3651 0012081 122.4540 237.7812 14.30158961  3572
1990 006A
1 20444U          90 51.45081371 0.00000318           11947-2 0   321
2 20444  62.8085 110.8756 7373982 288.1832   9.4361  2.00663984   588
1990 006B
1 20445U          90 52.10581244 0.05530393  41231-4  13387-2 0   567
2 20445  62.8035   4.8083 0071469 124.1586 236.6420 16.21856451  4565
1990 006C
1 20446U          90 47.39633712 0.00000368           74758-3 0   283
2 20446  62.8305 111.3944 7323218 288.1118   9.7051  2.06386089   509
1990 006D
1 20447U          90 46.18458433 0.17566679  43231-4  28811-3 0   596
2 20447  62.8070  26.9687 0044137 116.7309 243.8196 16.42602277  3638
1990 005C
1 20450U          90 49.67030172 0.00181920 -19189-5  16565-2 0   439
2 20450  37.6783 240.9912 6005396 220.7886  73.8632  4.14286423  1022
GPS BII-06
1 20452U 90  8  A 90 49.69577892 -.00000001  00000-0  99999-4 0   188
2 20452  54.6448 260.8045 0035459  56.6684 303.7177  2.00568365   465
1990 008B
1 20453U          90 50.59057152 0.00005710           69074-3 0   264
2 20453  35.6431 123.9630 0591705 329.0175  27.6846 14.04532218  3619
Cosmos 2057
1 20457U          90 52.23151565 0.01043038  39648-4  28766-3 0   718
2 20457  62.8198 227.7542 0142862  83.0718 278.5553 16.06866312  4269
Cosmos 2058
1 20465U          90 52.05250576 0.00002655           40114-3 0   264
2 20465  82.5082 306.3255 0022850 201.4816 158.5500 14.73794878  3181
1990 010B
1 20466U          90 45.26021098 0.00000642           95831-4 0   143
2 20466  82.5079 312.6008 0021810 228.6569 131.2765 14.74031997  2171
PRC-26
```

```
1 20473U          90 51.31116488 -.00000264           10000-3 0   215
2 20473   0.1349 287.4751 0000705  25.9820  46.5249  1.00278941   166
1990 011B
1 20474U          90 47.47771697 0.00000300           10000-3 0    71
2 20474  30.6531 302.4229 7266392 186.0195 153.9799  2.29817620   240
1990 012A
1 20476U          90 52.24738053 0.00317911  15957-4  90940-3 0   479
2 20476  65.8335 332.0991 1337803 142.1518 228.3012 13.14891934  1906
1990 012B
1 20477U          90 52.19431037 0.00658183  16489-4  12983-2 0   498
2 20477  65.8503 331.9687 1314106 141.4242 228.8578 13.23544490  1905
MOS-1B
1 20478U 90 13  A 90 53.75691501 -.00001487  00000-0 -10943-2 0   380
2 20478  99.0783 124.4428 0001392 105.8840 254.2514 13.94896401  2184
1990 013B
1 20479U          90 48.40043158 0.00000082           23413-3 0   163
2 20479  99.0572 117.4505 0540638 319.8437  36.3860 12.83148122  1380
FO-20
1 20480U 90 13  C 90 51.05171303  .00000043  00000-0  14720-3 0   133
2 20480  99.0564 119.6010 0540924 313.8798  41.8821 12.83113740  1724
1990 013D
1 20491U          90 51.16431799 0.00000521           10330-2 0   123
2 20491  99.0588 120.0628 0470220 305.4732  50.3354 13.02725720  1162
Soyuz TM-9
1 20494U 90 14  A 90 52.86006247  .00035097  00000-0  45724-3 0   273
2 20494  51.6142 191.2237 0017892 188.7671 171.4805 15.58199610  1664
1990 015A
1 20496U          90 50.04132131 0.00006565           42405-3 0   103
2 20496  43.0970 250.9595 0013257 333.3163  26.7001 15.08712173   664
1990 015B
1 20497U          90 50.88617680 0.00014260           44733-3 0   122
2 20497  43.1065 245.8919 0014535 298.5537  61.3864 15.32798445   813
1990 015C
1 20498U          90 50.73915292 0.00039655           10077-2 0    80
2 20498  41.6388 246.8988 0042308 171.3489 188.8084 15.37978470   794
Raduga 25
1 20499U          90 51.12592207 0.00000040           10000-3 0   119
2 20499   1.5485 275.6428 0034526  92.7558 267.0972  0.99714031    51
1990 016D
1 20502U 90 16  D 90 50.10153986 -.00000083  00000-0  99999-4 0    40
2 20502   1.4816 272.8952 0037508  64.5245 293.9664  1.00015093    69
```

--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

From -144058485795930501
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79b80033dfa082de,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-24 22:36:35 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!usc!ucsd!nosc!crash!pnet01!mikey

From: mikey@pnet01.cts.com (Mike Shirley__Wb6wui)
Newsgroups: rec.ham-radio
Subject: ACC's RC-850 repeater controller, bugs, mods, and support
Message-ID: <1650@crash.cts.com>
Date: 25 Feb 90 06:36:35 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 24
Posted: Sun Feb 25 07:36:35 1990

I am sysop on a 220 Mhz repeater in San Diego County. We have had the Advanced Computer Control's RC-850 repeater controller online since 1987. I'm looking for anyone with experience with the same controller. I have found numerous bugs with the firmware and would like to discuss mutual problems.

We started with firmware version 3.41 and upgraded to 3.42 as soon as it was released. The revision was nice in many respects but somewhat clunky in others. We are runnings the 850 with the voice option, no DVR, UF functions in latched, 3 remote bases, control receiver, home-brew autopatch at the site and 1 remote auto-patch using firmware support of REMOTE PHONE 1.
Overall, we have been very pleased with system even with some of it's shortcommings. I have talked to ACC by phone a few times about the clunker bugs, but they were'nt to concerned by them and, I doubt, that they even logged them for fixes in later releases.

I would now be interested in a MS-DOS based controller with voice support.
Anybody want to comment on this aspect of computer-controlled Ham repeaters.

Thanks, 73's

        ...Mike

```
____________________________
|                            |   President, Muth Valley Flood Control Dist
| Mike Shirley, WB6WUI       |
| PO Box 460                 |   UUCP: {nosc, ucsd)!crash!pnet01!mikey
| Lakeside, CA  92040-0460   |   INET: mikey@pnet01.cts.com
|____________________________|
```

SLIC as snot, but the communication path is better...

From 9049192202756104291
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f9493372e4b2bf11,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-24 23:56:08 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!sdsu!crash!pnet01!mikey
From: mikey@pnet01.cts.com (Mike Shirley__Wb6wui)
Newsgroups: rec.ham-radio
Subject: Fujitsu-Ten 16 ch UHF commercial Transceiver mod help

Message-ID: <1657@crash.cts.com>
Date: 25 Feb 90 07:56:08 GMT
Sender: root@crash.cts.com
Organization: People-Net [pnet01], El Cajon CA
Lines: 34
Posted: Sun Feb 25 08:56:08 1990

From pnet03!mikey Sat Feb 24 20:11:48 1990
Date: Sat, 24 Feb 90 18:04:39 PST
From: mikey@pnet03.cts.com (Mike Shirley__Wb6wui)
To: pnet01!mikey
Subject: msg

I have a Fujitsu Ten 450-470 commercial tranceiver (model # FTM40-3092H). This is a 16 channel scanning synthesized mobile radio.
I'm looking for a way to be able to program the radio down into the ham band. It currently on 453 Mhz. I have the programming prom for the radio and, of course, it will not allow entry of freqs below 450. I called Fujitsu and you can guess what their response was after they figured out that I had a programming prom. So here I am. This is a nice radio and I only have limited use of it in the commercial segment. If anyone knows any way to get around the programming restriction, I'd appreciate any responses.

```
====================================================================

     Mike Shirley, WB6WUI
        PO Box 460
            Lakeside, CA  92040-0460

                UUCP: {hplabs!hp-sdd ucsd nosc}!crash!pnet01!mikey
                ARPA: crash!pnet01!mikey@nosc.mil
                INET: mikey@pnet01.cts.com

====================================================================
```

```
____________________________
|                            |   President, Muth Valley Flood Control Dist
| Mike Shirley, WB6WUI       |
| PO Box 460                 |   UUCP: {nosc, ucsd)!crash!pnet01!mikey
| Lakeside, CA  92040-0460   |   INET: mikey@pnet01.cts.com
|____________________________|
```

SLIC as snot, but the communication path is better...

From -5555385612731922237
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,6fcf41b046d6b564
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-25 04:03:08 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari!zaphod.mps.ohio-state.edu!usc!ucsd!

rutgers!texbell!splut!jay
From: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Newsgroups: rec.ham-radio
Subject: Re: Ham PR (was Ham video, or something like that)
Message-ID: <1_.+:5C@splut.conmicro.com>
Date: 25 Feb 90 12:03:08 GMT
References: <9002240814.AA12945@ucbvax.Berkeley.EDU>
Reply-To: jay@splut.conmicro.com (Jay "you ignorant splut!" Maynard)
Organization: Confederate Microsystems, League City, TX
Lines: 17
Posted: Sun Feb 25 13:03:08 1990

In article <9002240814.AA12945@ucbvax.Berkeley.EDU> 1843eie@HICKAM-EMH.AF.MIL
("1843 EIG/EIE") writes:
>When are we
>collectively going to realize that it's not whether or not we have a no-code
>license that's going to "save ham radio" but rather public awareness of who we
>are, what we do, and how important we are to the country!

Not until the no-coders have their way, have successfully joined up with
the FCC in jamming no-code down our throats, and the bands are overrun
with the "freebanders" instead of the technical whizzes they
comtinuously hold out as the no-code ideal - in short, after it kills
ham radio - will that dawn on them. Unfortunately, it'll be too late.

```
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL   | Never ascribe to malice that which can
jay@splut.conmicro.com       (eieio)| adequately be explained by stupidity.
{attctc,bellcore}!texbell!splut!jay +----------------------------------------
                              Free the DC-10!
```

From -7207709901928762301
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2a1657dac95d03be,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-25 05:12:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!SC.INTEL.COM!RHAREL%FAB8
From: RHAREL%FAB8@SC.INTEL.COM ("RICHARD HAREL CAL.LAB INTEL")
Newsgroups: rec.ham-radio
Subject: INFO-HAMS STATISTICS ???
Message-ID: <9002261404.AA03742@ucbvax.Berkeley.EDU>
Date: 25 Feb 90 13:12:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 14
Posted: Sun Feb 25 14:12:00 1990

Does anyone know of statistics concerning users of INFO.HAMS ???

It would be interesting to know the following info. :

1. How many are on the mailing list.
2. Breakdown by state/country
3. Breakdown by institution (University, Government, Military, Industry)
4. How many links to local BBS's

etc...

73's to all,
4X1DA @4Z4SV
RICHARD HAREL

```
From 3172628689156396550
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,b486e3af14a26091,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-25 05:51:54 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: P. Howard's Proposed Licensing Stru
Message-ID: <30500426@ux1.cso.uiuc.edu>
Date: 25 Feb 90 13:51:54 GMT
Lines: 77
Nf-ID: #R:<9002231519.AA01504@cmr.ncsl.nis:-38:ux1.cso.uiuc.edu:30500426:000:4072
Nf-From: ux1.cso.uiuc.edu!phil    Feb 24 20:00:00 1990
Posted: Sun Feb 25 14:51:54 1990
```

> Phil Howard has just proposed a new ham licensing structure.
> He claims that it contains ONLY FOUR license classes, but then provides for
> FOUR levels of code proficiency within each class.

I am using the FCC's concepts. They have 4 classes and at least 5 "class combinations". I am only extending the concept they started.

> If I had to enter these classes into a data base, I would find that there are
> SIXTEEN different combinations. To my mind, Phil has proposed a structure
> with SIXTEEN CLASSES, NOT FOUR. I see no diference between endorsements and
> additional classes. They both result in a record-keeping zoo.

Yes, this is correct. The FCC is going to have some sort of zoo on their hands no matter what is done UNLESS they abandon incentive licensing now.

> You may note my recent proposal which resulted in REALLY only four classes,
> which some of you might want to increase to five to allow a "low-tech
> with CW" entry path.
>
> My classes were:
> Extra (as at present)
> Basic (13 wpm CW, present General AND Advanced, with Advanced privileges)
> Technician (Same theory as Communicator, but with 5 wpm code)

> Communicator (No code, moderate theory)
> to which you COULD add
> Novice (5 wpm, simple theory, non-renewable)
>
> I proposed that all Novice tickets expire in the year 2000,
> and that the class be dropped - figuring that Communicator-class theory would
> be simple enough to not present a problem to anyone over 10-12 years of age.
> I'm not sure that one can make a strong case for NEEDING even younger hams.
> My boss of many years got his ham ticket at the age of 8, back around 1930,
> when the CW requirement was 10 wpm (I think), and the theory test was essay-
> style .... but he is outstandingly smart, and was likely the youngest ham at
> the time. BTW, there were no other technical people (or hams) in his family.
>
> I DON'T THINK WE NEED AN EVEN MORE COMPLEX LICENSING STRUCTURE. MOST COUNTRIES
> GET BY WITH FEWER CLASSES THAN THE US.

True. And we don't need much more than 2 levels. However as long as we have incentive licensing, and those who now have "turf" they will surely want to protect, we have a big hairy ball of wax on HF.

However, we do need to have a VHF-up class that has ALL privileges above 30 Mhz. I mean ALL as in NO EXCEPTIONS. There is NO REASON that CW should be required for access to 6 meters or 2 meters, nor for a maximum of 1500 watts, nor for repeater/beacon/auxiliary control op privileges, when some other VHF-up privileges don't require it. All the stated reasons for a no-code license apply to ALL privileges above 30 Mhz.

What I tried to come up with was a way to get that in there.

Bob's suggestion is a good one; don't get me wrong. It is worth writing your comments to the FCC (re: 90-55) and suggesting. I put forth yet another such proposal. You should suggest any or all that you feel are worth suggesting.

I would be satisfied with the only VHF-only class having ALL privileges above 30 Mhz, but I MUST INSIST that the exam for it be NON-trivial. It should have no less than 250 questions from a pool of 2500. However such a license class is more appropriate for the techno-nerds who use 1500 watts, work EME, and are repeater ops, than for "public service" and other kinds of people. The latter group can live with 200 watts and no repeater op privs. They should get access to 2 meters, though. THIS IS WHY ULTIMATELY WE DO NEED TWO CLASSES OF NOCODE LICENSE (though 2 is the maximum needed).

LET TECHNICIAN BE A NOCODE LICENSE CLASS, TOO !!

That leaves 4 more classes in the FCC database. I invite other ideas on how to arrange and structure the classes. If we limit ourselves to just THREE levels of HF privileges, then we can cross combine the possibilities (2x3) and have 6. However, General and up should have all VHF privs anyway, so the numbers are less, still. Try working it out for yourself. BE SURE TO LEAVE NOTHING OUT, or else suggest that it be abandoned (and why) if you do.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From 1951194794813994628
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2e7aff42cc3049c7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-25 10:48:06 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!brutus.cs.uiuc.edu!uakari!aplcen!haven!mimsy!fe2o3!michael
From: michael@fe2o3.UUCP (Michael Katzmann)
Newsgroups: rec.ham-radio
Subject: Re: Helical Resonator Challenge
Message-ID: <319@fe2o3.UUCP>
Date: 25 Feb 90 18:48:06 GMT
References: <5710006@hpcvra.CV.HP.COM>
Reply-To: michael@fe2o3.UUCP (Michael Katzmann)
Organization: Rusty's BSD machine at home
Lines: 48
Posted: Sun Feb 25 19:48:06 1990

In article <5710006@hpcvra.CV.HP.COM> gregm@hpcvra.CV.HP.COM (Greg May) writes:
>
> Helical Resonator Question......
>
>
>Now, the challenge for those who dare... Does anyone have information where
>I can get my hands on some articles to educate ourselves on these resonators.
>They sound interesting. I have one article but feel that I am still in the
dark
>about the building technique. I think this would be the perfect opportunity
>for another club project.
>
>Any other ideas of what to try...???
>

Artech House Books. (1-800-225-9977) publish:
"Filters with Helical and Folded Helical Resonators" by Peter Vizmuller.
(0-89006-244-7)   C9244 $54.00

You may be able to get this from your local library (If its good).

Digi-key sell some helical resonators by toko at 70cms. They are designed
for small receivers and so have a reasonably hign insersion loss (5db for
the three stage ones!). If you want low loss you just have to make them
big (and silver plated). This doesn't sound like a problem in your application.
I would sugest you borrow a network analyser to line it up.

Also check out the RSGB VHF UHF Manual by G.R. Jessop G6JP. A really
excellent book and has a couple of pages on helical resonator design.

----
email to
UUCP: uunet!mimsy!{arinc,fe2o3}!vk2bea!michael

```
                              _ _ _                     _
     Amateur  |    VK2BEA   (Australia)      ' ) ) )      /           //
     Radio    |    G4NYV    (United Kingdom)  / / / o _. /_  __.  _  //
     Stations|    NV3Z  (United States)     / ' (_<_(__/ /_(_/|_</_</_
```

Michael Katzmann
Broadcast Sports Technology.
2135 Espey Ct. #4
Crofton Md. 21114 USA

Ph: +1 301 721 5151

>Thanks in advance for your comments.
>
>Greg May KB4OX (in 7 land)

From -1005093552168510016
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,929a19a7f86e41c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-25 12:29:00 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!OAC.UCLA.EDU!IZZYH79
From: IZZYH79@OAC.UCLA.EDU (Arun Jain)
Newsgroups: rec.ham-radio
Subject: of Headsets and Handhelds
Message-ID: <9002261406.AA03856@ucbvax.Berkeley.EDU>
Date: 25 Feb 90 20:29:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 12
Posted: Sun Feb 25 21:29:00 1990

Hi y'all! Has anyone had any experience hooking up a David Clark headset to an Icom ham handheld? Apparently, Icom makes a special interface in two different versions, but being an adventurous type, well, ok, cheap actually, I'd like to save myself the $50 for the lower priced of the two and try and make one. The headset is the DC 10-20, which uses a dynamic mic, so the mic needs some kind of bias voltage at the minimum, if not an entire pre-amp section. That's about all I've been able to figure out. Thanx!

73,
Arun
WC6V

From 1788478726143669239
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56bacc3dc1b3d90f,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-25 13:36:00 PST

Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!jarvis.csri.toronto.edu!torsqnt!tmsoft!masnet!canremote!jack.lupic
From: jack.lupic@canremote.uucp (JACK LUPIC)
Newsgroups: rec.ham-radio
Subject: Re: Scanners
Message-ID: <90030913425538@masnet.uucp>
Date: 25 Feb 90 21:36:00 GMT
Organization: Canada Remote Systems Limited, Mississauga, ON, Canada
Lines: 10
Posted: Sun Feb 25 22:36:00 1990

: Message entered 1990 02 25 13:32 :

Would you or anyone else here know of any mods for extended frequency
coverage on Bearcat 300 scanner?Thanks much.

Regards!

VE3FAE,Scarborough,Ont.,CANADA
---
 ~ DeLuxe 1.11 #1435 jack.lupic@canremote.uucp

From -4809277921971364034
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2329461143f926e6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-25 14:59:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!OAC.UCLA.EDU!IZZYH79
From: IZZYH79@OAC.UCLA.EDU (Arun Jain)
Newsgroups: rec.ham-radio
Subject: small QRP HF transceivers
Message-ID: <9002261406.AA03880@ucbvax.Berkeley.EDU>
Date: 25 Feb 90 22:59:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Sun Feb 25 23:59:00 1990

A few years ago when I was in Germany, I visited a ham (with whom
I have since lost contact) over there. Of his equipment, some
equipment which stood out to me were a couple of QRP handheld
HF transceivers for CW which were made by some Japanese company
which I have never heard of before (and can't remember the name,
either!).
  Anyway, there are apparently several models for different
bands, from 40 meters through 10 meters, each monoband.
I plan on doing a several week hike in the Sierras this
coming summer and I am looking into the possibilities for
ham equipment to take along. My VHF/UHF handie wouldn't
work in valleys (most of the trip!) and my Heathkit HW-8
is a little big and heavy to be carrying around for weeks.

So... does anyone have any info on this kind of HF QRP
rig? Mfgrs, availability, price, etc??
  Thanx & 73!
                       Arun WC6V

From 5678167980920792066
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4fc46b335afd4e06,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-25 15:33:41 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!ucbvax!van-bc!ubc-cs!alberta!dvinci!weyr!Ken.Crowston
From: Ken.Crowston@weyr.FIDONET.ORG (Ken Crowston)
Newsgroups: rec.ham-radio
Subject: Digital Licence
Message-ID: <566.25E87296@weyr.FIDONET.ORG>
Date: 25 Feb 90 23:33:41 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 14
Posted: Mon Feb 26 00:33:41 1990

[NOTE: Message modified, 25 Feb 90 17:34:38]
> Digital licence holders - grandfathered to ADVANCE

Not to my knowledge from both talks with a radio inspector and the last offical update on the new licencing.

Digital Licence holders will be deemed to hold the new basic amateur certificate and the advance technical certification. They will only be able to opperate above 30 mhz. using all modes etc.. The{y must pass the 5 wpm or 12 wpm test to operate below 30 mhz. (HF).

73's De VE5KEN - Ken

--
Ken Crowston - via FidoNet node 1:140/22
UUCP: alberta!dvinci!weyr!Ken.Crowston
Internet: Ken.Crowston@weyr.FIDONET.ORG
Standard Disclaimers Apply...

From 40720759669696865
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17585edf11953605
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-25 16:03:30 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!rice!uw-beaver!sumax!amc-gw!pilchuck!ssc!tad
From: tad@ssc.UUCP (Tad Cook)
Newsgroups: rec.ham-radio
Subject: Re: Uniden HR2600
Summary: Extended coverage on Uniden

Message-ID: <510@ssc.UUCP>
Date: 26 Feb 90 00:03:30 GMT
References: <12568685277.8.FRANK@TOPS20.RADC.AF.MIL>
Organization: very little
Lines: 11
Posted: Mon Feb 26 01:03:30 1990

WD2F asked about extending coverage on the Uniden HR2510 and 2600. That only worked on the early model 2510 that did not have the potted processor chip. All it took were a couple of pull up resistors. The later 2510s and the 2600 are set up so that they cannot be put on CB.

Tad Cook
tad@ssc.UUCP
KT7H

From 7808911972226305352
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c3162e3391fe15d6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,c3162e3391fe15d6,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-02-25 16:48:30 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Listing of Macintosh ham software
Message-ID: <38958@apple.Apple.COM>
Date: 26 Feb 90 00:48:30 GMT
Reply-To: winter@apple.com (Patty Winter)
Organization: Apple Computer Inc, Cupertino, CA
Lines: 206
Xref: gmdzi rec.ham-radio:9829 rec.ham-radio.packet:1836
Posted: Mon Feb 26 01:48:30 1990

I've put together the following listing in response to requests here on the net for information on amateur radio programs for the Macintosh.

This is a one-time posting on my part. If someone would like to volunteer to keep this information updated, I'd be happy to send him or her the background materials I have. It would be even better if that person was also on packet radio; when I had a packet system up and running, I noticed frequent Macintosh questions there, too. (If anyone wants to post this listing on packet, go ahead. But I'll leave it to you to take out the prices, divide it into smaller chunks, etc.)

Please note that I am not endorsing or recommending any of these programs. In fact, I've only seen a few of them. The information in this list was gleaned mostly from flyers supplied by the software vendors, or in some cases from reviews or listings in QST or AMSAT Journal. Please check with the vendors for the latest product details, pricing, etc.

And--this should be obvious--this listing has absolutely no endorsement by Apple Computer, Inc.

Having said all that....enjoy!

73,
Patty

****
Macintosh Amateur Radio Software
List compiled by N6BIS, 2/25/90

PACKET RADIO

NET/Mac (KA9Q TCP/IP)
Supports AX.25 and NET/ROM as well as TCP/IP functions. Requires a TNC with KISS mode.
Doug Thom, N6OYU, 1405 Graywood Drive, San Jose, CA 95129. Send formatted 800K Macintosh disk with stamped, self-addressed return disk mailer. Also available via anonymous FTP from apple.com (/pub/ham-radio); on the Digikron Systems BBS at (408) 253-1309; and on the WB3FFV BBS at (301) 625-0817, 625-9482, and 625-9663. The program is copyright, but free for noncommercial use.

MacRatt with FAX
Terminal program for use with AEA's PK-232 multimode controller. Supports packet, CW, RTTY, AMTOR, and facsimile. Includes computer-to-TNC cable.
Advanced Electronic Applications (AEA), PO Box C-2160, Lynnwood, WA 98036. $59.95

MORSE CODE PRACTICE

N6MZV Morse Trainer
RT Martin, N6MZV, 10382 Orange Avenue, Cupertino, CA 95014.
Also available via anonymous FTP from apple.com (/pub/ham-radio).
$25.00

Morse Tutor
Jack Brindle WA4FIB, Brincomm Technology, 3155 Resin Street, Marietta, GA 30066. Send formatted 800K Macintosh disk with stamped, self-addressed return disk mailer. The program is copyright, but free for noncommercial use.

MacMorse
David A. Kall, 700 Marine Parkway #314, New Port Richey, Florida

34652. $29.95

Zihua Morse
Zihua, P.O. Box 51601, Pacific Grove, CA 93950. $39.95 without speech synthesis; $65 with speech synthesis.

RTTY

MacTTY
Summit Concepts, Suite 102-190, 1840 41st Ave., Capitola, CA 95010. $39.95

LOGGING

LOGic
Personal Database Applications, 2634 Meadow Bend Court, Duluth, GA 30136. $75.00

FDLog!
System One Control, 3900 85th Ave N, Suite 200, Brooklyn Park, MN 55443. $29.95

SATELLITE TRACKING

QuikMac
AMSAT, PO Box 27, Washington, DC 20044. $40 for AMSAT members; $50 for non-members. Requires Microsoft BASIC.

Satellite Orbit Prediction Program
Macintosh conversion of W3IWI program.
Earl Skelton, N3ES, 6311 29th Place NW, Washington, DC 20015. Send formatted 800K Macintosh disk with stamped, self-addressed return disk mailer; or send SASE for source listing. Requires Microsoft BASIC.

MacSat
BEK Developers, 1732 74th Circle NE, St. Petersburg, FL 33702. $10.00

Satellite Helper
MacTrak Software, PO Box 1590, Port Orchard, WA 98366. $59.95

Satellite Pro
MacTrak Software, PO Box 1590, Port Orchard, WA 98366. $99.95

PROPAGATION, GRAY LINE, DX HEADINGS

DX Window
Creates on screen an azimuthal equidistant projection (great circle)

world map centered on your QTH, with day/night terminator.
Engineering Systems, Inc., PO Box 939, Vienna, VA 22183. $39.95

Skycom 1.1
Enter solar flux and get propagation predictions to desired areas of the world.
Engineering Systems, Inc., PO Box 939, Vienna, VA 22183. $39.95 ($59.95 with Skycom 1.5)

Skycom 1.5
Provides sunlight status at both ends of the path; MUF, F0F2, and FOT frequencies; S/N ratio of the link, and other information.
Engineering Systems, Inc., PO Box 939, Vienna, VA 22183. $39.95 ($59.95 with Skycom 1.1)

DX Helper
MacTrak Software, PO Box 1590, Port Orchard, WA 98336. $34.95

Sun Clock
Desk accessory. Displays a map of the world with day and night areas.
MLT Software, PO Box 98041, 6325 SW Capitol Highway, Portland, OR 97201. $17.00

RADIO CONTROL

ICOM IC-735 Control
KE6FG Software, 9763 Pali Ave., Tujunga, CA 91042. $49.95

TEST PREPARATION

Ham Stacks
HyperCard stacks containing all of the questions in the current question pool for each license class.
Diana Syriac N1GZS, 49A Meadow Pond Drive, Leominster, MA 01453. Send two formatted 800K Macintosh disks with stamped, self-addressed return disk mailer. Also available via anonymous FTP from apple.com (/pub/ham-radio).

COLLECTIONS AND MISCELLANY

"Project Mac"
Contest logging, antenna design, satellite tracking, clip art, etc. Microsoft BASIC required for many (but not all) of the programs.
Stan Horzepa WA1LOU, 75 Kreger Drive, Wolcott, CT 06716. Send three formatted 800K Macintosh disks with stamped, self-addressed return disk mailer.

Amateur Radio #1
Contains satellite tracking, Morse code practice, Ohm's law calculator, and pad design programs.

Kinetic Designs, PO Box 1646, Orange Park, FL 32067. $4.00

Red Ryder 9.4
Terminal emulation program, suitable for packet radio.
Kinetic Designs, PO Box 1646, Orange Park, FL 32067. $4.00

MacScience BBS
Various ham-related applications, including antenna design, propagation, WEFAX, packet, and Morse code. (408) 866-4933.

Digikron Systems BBS
Various ham-related applications, including logging, propagation, Morse code, and packet. (408) 253-1309.

WB3FFV BBS
Various ham-related software, including packet, contesting, and Morse code applications. (301) 625-0817, 625-9482, and 625-9663.

MacNet
Public-domain programs (currently on nine disks) contributed by Macintosh packet users. Includes test preparation, contest logging, propagation prediction, satellite tracking, and amateur television.
John D. Seney, KB1HE, 144 Pepperidge Dr., Manchester, NH 03103. Send formatted 800K Macintosh disks with stamped, self-addressed return disk mailer. Contributions of public-domain programs encouraged.

--end--
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```
*****************************************************************************
Patty Winter N6BIS                          INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                       UUCP: {decwrl,nsc,sun}!apple!winter
*****************************************************************************
```

From 60325671405785703
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2f9a1745d07edae5,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,2f9a1745d07edae5,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-02-25 16:49:23 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!apple!winter
From: winter@Apple.COM (Patty Winter)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: Listing of Apple II ham software
Message-ID: <38959@apple.Apple.COM>
Date: 26 Feb 90 00:49:23 GMT
Reply-To: winter@apple.com (Patty Winter)
Organization: Apple Computer Inc, Cupertino, CA
Lines: 91
Xref: gmdzi rec.ham-radio:9830 rec.ham-radio.packet:1837
Posted: Mon Feb 26 01:49:23 1990

I've put together the following listing in response to requests here on the net for information on amateur radio programs for the Apple II.

As I mentioned in my companion posting about Macintosh software, this is a one-time posting unless someone else picks up the ball.

Please note that I am not endorsing or recommending any of these programs. The information in this list was obtained mostly from flyers supplied by the software vendors, or in some cases from reviews in QST. Please check with the vendors for the latest product details, pricing, etc.

And--this should be obvious--this listing has absolutely no endorsement by Apple Computer, Inc.

73,
Patty

****
Apple II Amateur Radio Software
List compiled by N6BIS, 2/25/90

PACKET RADIO

PACHAM
Uses a two-microchip interface instead of a TNC.
DaJu Development Company, 39 Long Ridge Road, Carlisle, MA
01741. $49.95

MORSE CODE PRACTICE

Morse+Plus Morse Code Tutor
EPO Software, 7805 NE 147th Avenue, Vancouver, WA 98682.
$15.95

MORSE CODE & RTTY OPERATION

HAM
Sends and receives both Morse code and RTTY.
DaJu Development Company, 39 Long Ridge Road, Carlisle, MA
01741. $49.95

Code Machine
COTEC, 13462 Hammons Ave., Saratoga, CA 95070. $29.95 (discount
if bought in conjunction with another COTEC program)

RTTY Machine

COTEC, 13462 Hammons Ave., Saratoga, CA 95070. $29.95 (discount if bought in conjunction with another COTEC program)

SATELLITE TRACKING

Apple QuikTrak
AMSAT, PO Box 27, Washington, DC 20044. $25 for AMSAT members; $35 for non-members

ANTENNA DESIGN

Antenna Design & Dimensions
EPO Software, 7805 NE 147th Avenue, Vancouver, WA 98682.
$9.95

Antenna Trap Designing
Larry East W1HUE, 119-7 Buckland St., Plantsville, CT 06479.
Send formatted disk with stamped, self-addressed return disk mailer.

LOGGING

Electrolog II
EPO Software, 7805 NE 147th Avenue, Vancouver, WA 98682.
$18.95

Contest Log & Dupe Sheet
EPO Software, 7805 NE 147th Avenue, Vancouver, WA 98682.
$13.95

--end--

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****************************************************************************
Patty Winter N6BIS                        INTERNET: winter@apple.com
AMPR.ORG: [44.4.0.44]                     UUCP: {decwrl,nsc,sun}!apple!winter
****************************************************************************
```

From -3141975460021300789
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11a1eb58e55a1ba9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-25 17:22:07 PST
Path: gmdzi!unido!mcsun!uunet!cadnetix.COM!cadnetix!rusty
From: rusty@cadnetix.COM (Rusty Carruth)
Newsgroups: rec.ham-radio
Subject: Re: Packet radio license without code r
Message-ID: <11515@cadnetix.COM>
Date: 26 Feb 90 01:22:07 GMT
Sender: news@cadnetix.COM

Reply-To: rusty@cadnetix.COM (Rusty Carruth)
Lines: 16
Posted: Mon Feb 26 02:22:07 1990

In article <52163@bbn.COM> chartnes@vax.bbn.com (Clark Hartness) writes:
>
> ...
>ps. Code is a barrier only to the Handicapped and those who think they are!!!
>
>My opinion is mine and no one elses.

Thank you very much for the non-flammatory remarks about my code ability :-)

'nuff said? I certainly hope so!   :-)

---Join the usenet un-net, 28.410 and/or 28.390(+-) 1700Z to 1900Z saturdays!
Rusty Carruth.   Radio: N7IKQ   ^^ or later :-)
DOMAIN: rusty@cadnetix.com   UUCP:{uunet,boulder}!cadnetix!rusty
home: POB. 461, Lafayette CO 80026

From -4381946185645171355
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2e7aff42cc3049c7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-25 17:32:02 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!decwrl!shelby!unix!hplabs!hpfcso!hplisa!hpmtlx!brian
From: brian@hpmtlx.HP.COM ($Brian_Wood)
Newsgroups: rec.ham-radio
Subject: Re: Helical Resonator Challenge
Message-ID: <1850007@hpmtlx.HP.COM>
Date: 26 Feb 90 01:32:02 GMT
References: <5710006@hpcvra.CV.HP.COM>
Organization: HP Manufacturing Test Division - Loveland, CO
Lines: 6
Posted: Mon Feb 26 02:32:02 1990

Contact Doug Baskins at HP Fort Collins. He just installed one
on the Loveland repeater.

Brian Wood
MTS, Hewlett Packard
Loveland, CO

From 4826858485147354554
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,79b80033dfa082de
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-25 19:56:47 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!usenet.ins.cwru.edu!mephisto!

gatech!kd4nc!km4ba!alan
From: alan@km4ba.UUCP (Alan Barrow)
Newsgroups: rec.ham-radio
Subject: Re: ACC's RC-850 repeater controller, bugs, mods, and support
Message-ID: <121@km4ba.UUCP>
Date: 26 Feb 90 03:56:47 GMT
References: <1650@crash.cts.com>
Organization: km4ba's packet radio gateway, Atlanta GA.
Lines: 34
Posted: Mon Feb 26 04:56:47 1990

Sorry to have to tell you, but welcome to the world of ACC! Most firmware
revs. seem to introduce more bugs than they fix, and ACC is not very
helpful. The first answer is denial, second is that your site is the only
one experiencing the bug. When pressed, they give the "don't have the resources"
to fix it right away answer, and when they finally fix it, the cycle restarts.

Personally, I think their code has been patched & mutated until it is unstable,
and unmaintainable.

The least expensive S-COM has technical features & sw capability that only
the RC-850 (top of the line has), and packaging on the 85 is poor, to say the
least. Things like minimal audio adjustments on the 85, which results in what
we call "ACC syndrome". (15kc deviation on the voice ID when Adjusted for
normal 5kc repeater audio. The fix is to tack an extra pot onto the pc board.)

We won't even talk about the DVR, and allthough the ICOM 900 remote base
feature is nice, it still has severe quirks that can cause it to lock up.

I am sure this will bring out the ACC defenders, who love the features, but
I have had my fill. (85,850,dvr,IC-900 remote)

To answer your question, a local ham Dan wb4pyl developed a nice PC based
controller/autopatch/DVR that has been used in atlanta for 12-18 months.
I don't know the status of his sw/hw regarding purchase, but you may
want to drop him a line. (..!gatech!kd4nc!wb4pyl)

I am sold on S-COM for most purposes, but am also interested in PC based
controllers.

73 & good luck with ACC.
Alan Barrow km4ba

..!gatech!kd4nc!km4ba!alan
..!hplabs!hp-col!hpuagaa!km4ba!alan

From 2762789270594284211
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c842fb04d50c885
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-25 20:02:52 PST

Path: gmdzi!unido!mcsun!uunet!wuarchive!cec2!sek9424
From: sek9424@cec1.wustl.edu (Scott Eric Keller)
Newsgroups: rec.ham-radio
Subject: Re: College ARC's
Summary: Well.........
Keywords: motivation bucks
Message-ID: <1990Feb26.040252.10692@cec1.wustl.edu>
Date: 26 Feb 90 04:02:52 GMT
References: <1676550@MTS.RPI.EDU> <24858@ut-emx.UUCP>
Sender: news@cec2 (USENET News System)
Reply-To: sek9424@cec2.wustl.edu (Scott Eric Keller)
Organization: Washington University, St. Louis, MO
Lines: 34
Posted: Mon Feb 26 05:02:52 1990

Well, here we go again. All of the folks from the university radio clubs come out of the woodwork. We all seem to agree that it is difficult to keep such an organization going. Apathy and a general lack of time and funds are all great contributors. I know; we have the same problems here.

Earlier this year/semester there was quite a bit of talk on the net about a nation-wide organization of university clubs that had existed at one time. In the past there had also been a net of sorts on 20 and 40 meters. As far as I know that all fell apart over the summer. (Summers sure have a way of disturbing the continuity of club activities....) Perhaps getting on the air with a net once again can be at least a bit of an incentive to keep things going in the university community. I think there have been at least 4 separate responses to the original post. I know there are at least 10 or more schools with clubs that I have seen on the net. I had discussed this a bit with KA9WGN (Phil - I hope I got the call right....) and we discussed the possibility of a 10m net to allow participation by the Novice/Tech persons as well. I propose that we attempt to convene a net this comming Saturday, 3/3 on 28.425+- at 1800Z. I realize it may be rough on 10, but lets give it a try. If anyone has any better time/freq suggestions, I would like to hear from you. We can always try some other bands in the near future.

I will volunteer to try and call the net from Wash U club station W0QEV. Any university clubs, individuals, or interested parties are welcome. Please be persistent in calling and we will try to pick everyone up via relays if need be. If this works out, we can try it each Saturday.

73 and see you on the air...
Scott

(Phil - can this be relayed to HAM-UNIV?)
--
Scott Keller (KA0WCH) - Permanent Undergrad - Dept. of Computer Science
Wa$hington Univer$ity - St. Louis, Mo. USA
Internet: sek9424@cec2.wustl.edu   UUCP:ihnp4!wucec2!sek9424 (I think...)
The opinions represented here are mine and mine alone, not Wa$h. U's.

From -5827944113411980959
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 10c9e3,957dcba3eb03e111
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-25 20:16:33 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cec2!sek9424
From: sek9424@cec1.wustl.edu (Scott Eric Keller)
Newsgroups: rec.ham-radio
Subject: Re: INFO-HAMS Digest V90 #180
Summary: Lack of understanding....
Message-ID: <1990Feb26.041633.11082@cec1.wustl.edu>
Date: 26 Feb 90 04:16:33 GMT
References: <DB30077452FF0050DC@INDYVAX.IUPUI.EDU>
Sender: news@cec2 (USENET News System)
Reply-To: sek9424@cec2.wustl.edu (Scott Eric Keller)
Organization: Washington University, St. Louis, MO
Lines: 17
Posted: Mon Feb 26 05:16:33 1990

I have often been frustrated while trying to explain to the less intelligent/inexperienced why ham != CB or why my handie-twinkie and an HF rig are both part of the hobby. However, the funniest such occasion in recent memory occurred when a woman I once dated got into my car and asked me about my handheld lying on the seat. I proceeded to give her a cursory explanation of the hobby and why I had the radio.

She then said, "Oh, so who has the other one?"

Scott

--
Scott Keller (KA0WCH) - Permanent Undergrad - Dept. of Computer Science
Wa$hington Univer$ity - St. Louis, Mo. USA
Internet: sek9424@cec2.wustl.edu   UUCP:ihnp4!wucec2!sek9424 (I think...)
The opinions represented here are mine and mine alone, not Wa$h. U's.

From 6143965083503271331
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d3e3fc875f98575
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-25 21:38:46 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!van-bc!ubc-cs!alberta!aunro!atha!rwa
From: rwa@cs.AthabascaU.CA (Ross Alexander)
Newsgroups: rec.ham-radio
Subject: Re^4: You ask me to memorize...
Message-ID: <1718@aurora.AthabascaU.CA>
Date: 26 Feb 90 05:38:46 GMT
References: <Feb.14.06.57.29.1990.2395@topaz.rutgers.edu> <5120007@hpindda.HP.COM> <1677@aurora.AthabascaU.CA> <499@ssc.UUCP>
Organization: Athabasca University
Lines: 37
Posted: Mon Feb 26 06:38:46 1990

tad@ssc.UUCP (Tad Cook) writes:
>Ross Allen talked about passing the Canadian exam for their verison of a
>no-code digital license. Folks in the USA are hoping that a tougher
>written exam with no test of Morse proficiency will result in a large
>number of new hams. Ross should tell us about how well that worked in
>Canada. I heard that VERY few people took the test.

First, on a point of privilege : g/Allen/s//Alexander/p
Thank you.

Well, as a matter of fact the Digital Amateur class has not proven to be particularly popular. That's too bad. Perhaps it wasn't given enough "airtime" :-) (that is, enough publicity), or perhaps it's because it never reached critical mass. After all, our amateur population is spread out over a much larger area than the American ham community - and the Digital class is restricted to 2 meters and up. This means there's not many other stations within shouting distance.

As an example, this weekend I drove down to Lake Louise from well north of Edmonton (and back the next day - 675 km each way). There's a repeater in Athabasca, 3 in Edmonton, two in Red Deer, and one in Rocky Mountain House. I heard 4 other hams during the whole trip, and worked one (for about 2 minutes). That's on 2 meter voice. Didn't hear a single packet during the whole 14 hours, and I was all over the band. Not much encouragement, is it?

Some of the repeaters were trunked together, too; I was listening to 1000's of sq. km. worth of country, and never a peep. And I know I was getting out; the id's/squelch tails on those repeaters were about all I did hear. Sigh. Maybe the old boys don't want to chat with ve6pdq? (I'm not serious.)

And as far as getting a large number of new hams, I don't know what it would take. Dynamite the commercial TV stations, maybe ?? ;-).
--
--
Ross Alexander   (403) 675 6311   rwa@aungbad.AthabascaU.CA   VE6PDQ

From 3471324018451919417
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,56bacc3dc1b3d90f
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-25 21:40:00 PST
Path: gmdzi!unido!mcsun!uunet!clyde.concordia.ca!jarvis.csri.toronto.edu!torsqnt!tmsoft!masnet!canremote!jack.lupic
From: jack.lupic@canremote.uucp (JACK LUPIC)
Newsgroups: rec.ham-radio
Subject: Re: Scanners
Message-ID: <90030913425582@masnet.uucp>
Date: 26 Feb 90 05:40:00 GMT
Organization: Canada Remote Systems Limited, Mississauga, ON, Canada

Lines: 11
Posted: Mon Feb 26 06:40:00 1990

: Message entered 1990 02 25 13:32 :

Would you or anyone else here know of any mods for extended frequency coverage on Bearcat 300 scanner?Thanks much.

Regards!

VE3FAE,Scarborough,Ont.,CANADA

 ~ DeLuxe 1.11 #1435 jack.lupic@canremote.uucp
 ~ QNet 2.03: NANet z Canada Remote Systems z Toronto z ON

From 6383982622181006477
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f4651b047ba85e7a,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-25 22:48:16 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!uakari!ames!nsipo.arc.nasa.gov!gutierre
From: gutierre@nsipo.arc.nasa.gov (Robert Gutierrez)
Newsgroups: rec.ham-radio
Subject: G.E. tanks from Los Angeles County...any around?
Message-ID: <43699@ames.arc.nasa.gov>
Date: 26 Feb 90 06:48:16 GMT
Sender: usenet@ames.arc.nasa.gov
Reply-To: gutierre@nsipo.arc.nasa.gov (Robert Gutierrez)
Organization: NASA ARC
Lines: 26
Posted: Mon Feb 26 07:48:16 1990

Hello there.

I just recently started reading this group lately to see what the noise level is up to.

Anyway, just a simple question. About a year ago, Los Angeles County abondened their old 39meg assignments and jumped up to 470ish or so mHz. In that wake, they should have left behind a few hundred (if not a thousand) or so GE 'low-band' radios (the Mocom 70-like variety, for those of you who can remember those old Motorola tanks). Does anybody know what L.A. County did with all those radios. Usually, they're auctioned off unless another agency needs those type of radios. They also had a bunch of MX-300 series HT's for their (again) old 490mhz assignments, though those might have been retuned down to 470, or given to LAPD, since they used the same series on their HT's, though LAPD HT's are 'turkey callers' (Auto ID'ers), and LASO's were not.

These GE monsters should be good for 6m, and they were 6-channel models, so that should be plenty for the fairly empty vastness of 6m...... [That should be good for a flame or two].

Hmmmm??? Anybody know?

Robert Gutierrez
NASA Science Internet Network Operations
Moffett Feild, California.

From 8950873475034805761
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2329461143f926e6
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-26 00:05:57 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!usc!elroy.jpl.nasa.gov!decwrl!shelby!agate!ucbvax!cisco.com!faunt
From: faunt@cisco.com (Doug Faunt N6TQS 415-688-8269)
Newsgroups: rec.ham-radio
Subject: small QRP HF transceivers
Message-ID: <9002270808.AA13231@ucbvax.Berkeley.EDU>
Date: 26 Feb 90 08:05:57 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 8
Posted: Mon Feb 26 09:05:57 1990

Check out Radiokit. They have several. A friend bought one, and said
it was going together slowly, due to problems. They have a couple of
20 meter rigs, and a 15 meter, CW only, I think.

There's also an ad in CQ, page 49 in March, from Digitrex, showing a
8x2x6" multiband CW/SSB rig. If you get more information on this, I'd
be interested in hearing about it. I called them once, and they said
it was a super-het receiver.

From -6519007092259799360
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d3e3fc875f98575
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-26 04:15:09 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: You ask me to memorize...
Message-ID: <30500427@ux1.cso.uiuc.edu>
Date: 26 Feb 90 12:15:09 GMT
References: <5120007@hpindda.HP.COM>
Lines: 14
Nf-ID: #R:hpindda.HP.COM:5120007:ux1.cso.uiuc.edu:30500427:000:534
Nf-From: ux1.cso.uiuc.edu!phil   Feb 26 02:02:00 1990
Posted: Mon Feb 26 13:15:09 1990

As I understand it, the Canadian Digital class was restricted to packet only, i.e. no voice privileges to support coordinating and setting up packet operations, or just getting in contact with the rest of the ham population.

A lot of the 2 meter voice operation here is actually people talking about packet, and helping one another get set up and finding out what TNC settings they had wrong, etc.

I know I would not have had a Digital class license were I to be a Canadian citizen.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From -5216410352839064089
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2414de4b63cb23ff
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-26 05:48:06 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!apple!bionet!agate!ucbvax!mbunix.mitre.org!ptb
From: ptb@mbunix.mitre.org
Newsgroups: rec.ham-radio
Subject: Re: Need wattage and range information for us in portable emergency.
Message-ID: <9002261348.AA05327@mbunix.mitre.org>
Date: 26 Feb 90 13:48:06 GMT
References: <3980@cbnewsj.ATT.COM>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 48
Posted: Mon Feb 26 14:48:06 1990

I have heard a number of about 1 watt per mile over fairly straight terrain for somewhat reliable communications, but have the following observations:

> If the terrain is NOT ideal (i.e., hills block RF wonderfully), you will have to up the power (sometimes considerably).
>
> Why fool around? In an emergency, I would think that the driving force would be reliability rather than cost.
>
> You will probably want to look for which channel is not heavily used, since the less interference will extend the perceived range. (Your signal will have less to contend with.)
>
> The maximum power level for CBs is extremely limited. I beleive the limit is still around 5 watts.

Based on this, I recommend that you go for a system of the full limit on allowed power (5 watts if you can), and then TEST THE SYSTEM by walking around (or having her walk around) and talk back to the base operator.

If that does not work, you may want to try a few things:

Get your base antenna (I hope you use as high a power station as allowed at the base too!) as high up as you can - definitely above the house roof.

If this still does not provide adequate coverage, you will have to go to another whole system: either cellular phone or have two people go for their ham license and use a ham repeater (hams can use higher power than CB operators).

The alternative of course is to warn her that the CB communication system only can be heard from such-and-such a distance.

Where there is a will, there is a way....

Disclaimer: My employer and its sponsors dont even know I am
writing this mailgram, so it certainly does not
necessarily reflect their position.

English: Peter T. Baldwin
Arpa: ptb@mbunix.mitre.org
Phone: (617) 271-7647 (days)
Snail Mail: Mitre Corp, MS K306, Burlington Rd, Bedford, Ma. 01730
Voice: Peter!

From 9022947008138955799
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4b89ecb0497a9b28,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-26 06:15:55 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!snorkelwacker!apple!bionet!agate!ucbvax!ibma.nerc-wallingford.ac.UK!MATT
From: MATT@ibma.nerc-wallingford.ac.UK (Matt Brunton 0793-411741)
Newsgroups: rec.ham-radio
Subject: (none)
Message-ID: <26.Feb.90.14:16:05.GMT.#1224@UK.AC.NWL.IA>
Date: 26 Feb 90 14:15:55 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 10
Posted: Mon Feb 26 15:15:55 1990

Subject: Vietnam Radios

I've just finished reading a couple of books on the Vietnam war ('Chickenhawk' and 'The 13th Valley'). In them they mention two radios used, one was the

PRC-25, and the other was the PRC-70 (apparently this had some sort of scrambler built in). Does anyone have any more info on these; size, power, frequencies, etc.

Matt Brunton,
NERC Computer Services, Swindon, England.

```
From -8453961576783701456
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,17585edf11953605
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-26 06:37:33 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!sun-barr!newstop!east!hienergy!jimv
From: jimv@hienergy.East.Sun.COM (Jim Vienneau - CSS Program Manager)
Newsgroups: rec.ham-radio
Subject: Re: Uniden HR2600
Message-ID: <1621@east.East.Sun.COM>
Date: 26 Feb 90 14:37:33 GMT
References: <12568685277.8.FRANK@TOPS20.RADC.AF.MIL>
Sender: news@east.East.Sun.COM
Reply-To: jimv@hienergy.East.Sun.COM (Jim Vienneau - CSS Program Manager)
Organization: Sun Microsystems, Billerica MA
Lines: 16
Posted: Mon Feb 26 15:37:33 1990
```

>I am familiar with the mod to extend the frequency coverage of the HR2510 but
>I have not heard of a similar mod for the 2600. Does anyone know of a mod?
>If so, I would appreciate it if you could pass the info along. Also, I am
>looking for a copy of the schematic for the 2510, can anyone help?

Due to the problems with the chicken banders modifying these rigs for CB/"freeband" use, the FCC made Uniden epoxy all PLL/VCO areas of the boards to prevent tampering. They also decreed that all future designs (2600?) be tamper proof as well. A copy of the service manual is available from Uniden for $20.00, but again, all current units will be epoxied.

Jim Vienneau, Sun Microsystems Inc - Billerica, MA
Email: jvienneau@east.sun.com   Amateur Radio: WB1B
Good old Ma Bell (well old anyway): (508)671-0372

```
From -7603974085331333740
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,951ff7a8ffbb1339
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-26 07:09:17 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!husc6!m2c!jjmhome!km3t
From: km3t@jjmhome.UUCP (Dave Pascoe KM3T)
Newsgroups: rec.ham-radio
Subject: Re: V31BB ???
```

Summary: MFJ really not that bad
Message-ID: <5511@jjmhome.UUCP>
Date: 26 Feb 90 15:09:17 GMT
References: <82221@philabs.Philips.Com>
<19900223153643.8.ED@PEREGRINE.SCRC.Symbolics.COM>
Lines: 38
Posted: Mon Feb 26 16:09:17 1990

In article <19900223153643.8.ED@PEREGRINE.SCRC.Symbolics.COM>,
Ed@ALDERAAN.SCRC.SYMBOLICS.COM (Ed Schwalenberg) writes:
> In article <2815@umbc3.UMBC.EDU> battle@umbc3.UMBC.EDU (Rick) writes:
> >I am sitting here listening to 28.305 usb and there is this
> >guy, V31BB, conducting the MFJ JUNK NET.
>
> I ran across this guy during the 23:00z hour last Sunday. He claims that>
the workmanship of his MFJ stuff is bad, and he appears to be doing a net>   I
only heard him, and not others, but the nature of propagation on 10M is>   like
that.
> Is MFJ stuff really that bad? Only thing of MFJ I have is a 24hr clock
> from Japan, and it's standard consumer grade electronics.
>
> I have an MFJ antenna tuner which appears to be made of Radio Shack-quality
> parts (i.e., sub-consumer grade). The switches are very noisy and one
> of the tuning caps was destroyed by dripping solder. I have their dual
> 24hr clocks and their switches are flaky, making it hard to set the time.
> The clocks also drift much more than any of my various Casio timepieces.
>
> I wouldn't buy anything from MFJ, and I don't buy anything from Rat Shack
> more complicated than batteries or speaker wire.

I used one of the MFJ clocks and didn't find any problems whatsoever with it.
I have also used the MFJ Noise Bridge and got excellent readings (as compared
to a professional unit) with it. Likewise, I had an MFJ-1274 (TNC2 clone)
and it worked flawlessly for three years, at which time I sold it to upgrade
to a Kantronics KAM.

I have a hard time understanding why people are so harsh on a company whose
workmanship may not be the best, but is certainly acceptable for Amateur Radio
work. Hams seem to have this extremely cynical attitude towards outfits
like MFJ and Radio Shack ("Rat Shack"). These outfits don't claim great
mean time between failures or anything of the sort. They are just trying to
provide products to electronic hobbyists at reasonable costs. And for what
I usually need, they suit me just fine.

Remember, you *usually* get what you pay for.
--
             | Internet: pascoe%edcd@gte.com
Dave Pascoe | km3t%jjmhome@m2c.m2c.org
  KM3T/1 | UUCP: {harvard}!m2c!jjmhome!km3t
             | Packet Radio: km3t @ k1ugm.ma.usa.na

From 4284683642985997888

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2e7aff42cc3049c7
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-26 07:59:02 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!usc!cs.utexas.edu!asuvax!anasaz!john
From: john@anasaz.UUCP (John Moore)
Newsgroups: rec.ham-radio
Subject: Re: Helical Resonator Challenge
Message-ID: <1332@anasaz.UUCP>
Date: 26 Feb 90 15:59:02 GMT
References: <5710006@hpcvra.CV.HP.COM>
Reply-To: john@anasaz.UUCP (John Moore)
Organization: Anasazi, Inc.
Lines: 89
Posted: Mon Feb 26 16:59:02 1990

In article <5710006@hpcvra.CV.HP.COM> gregm@hpcvra.CV.HP.COM (Greg May) writes:
]
]   Helical Resonator Question......
]
]I have a challenge for the masses on the net.....
]
]Here's my situation. The local club is trying to put up an autopatch
]on the local OSU 2M repeater, and we have run into a snag --- mainly "too much
]RF" from other sources on the hill. There is all kinds of stuff up there
]including a channel 7 TV signal, channel 25 and various sheriff repeaters,
]etc......
]
]Using a "hot" Hamtronics receiver on the hill and a 5 element beam as our
]link "to the hill" (because of the cost of "out of the way phone lines"),
]we are able to get a very solid signal to the hill. Using a handheld, the
]signal is perfect. Unfortunately, the Hamtronics likes all the other signals
]up their too. There is all kinds of intermod junk comming out of the 450
]receiver and audio "junk" is passed on the the 2M repeater input.
](The 440 handheld can also hear this stuff with squelch open --Heathkit)
]Now, we have found that with all the filtering (power lines, etc.) that 30db
]of attenuation on the front end of the 450 receiver (outside the box) cleaned
]up just about all the intermod (yes, you can still hear the 450 uplink).
]I personally did not hear this demonstration, but the general feeling in the
]group was that the helical resonator was the way to go. (My guess is we
]are running out of link signal at 30DB, and it is starting to get noisy.)
]We cannot/don't want to increase the 450 uplink signal at the transmitter.
]
]Now, the challenge for those who dare... Does anyone have information where
]I can get my hands on some articles to educate ourselves on these resonators.
]They sound interesting. I have one article but feel that I am still in the dark
]about the building technique. I think this would be the perfect opportunity
]for another club project.

Your problem is not unusual. The art of getting repeaters to work
in a high RF environment is not trivial. Let me suggest the following:

(1) If the intermod is being generated in your receiver, you have three possibilities: (1) Get a better receiver, such as a commercial radio (we use Micor's); (2) Put selectivity in front of your receiver (more on that later); (3) Use PL tones on your receiver so that it won't unsquelch on intermod.

(2) If the intermod is being generated in your transmitter, you have one choice: FIX IT! Any transmitter generating intermod at a significant level does not belong on a crowded site. There are many commercial operators who oppose ham repeaters on commercial sites because hams often put up piles of junk that generate intermod. There are two techniques that come to mind for fixing intermod generating transmitters: (1) selectivity between the transmitter and the antenna; (2) use of a circulator so that signals cannot enter the transmitter and be mixed.

(3) If the intermod is being generated elsewhere, you need to find it and then fix it. Intermod is generated by any nonlinear device. We had one bad case that consisted of a guy cable rubbing against a struct. It was fixed by bonding it to the struct. We have another on a tall building in Phoenix (valley center) that comes from a section of the concrete parapet that was replaced with concrete built over a stretched metal frame, and the intermod comes from the rusting metal. We have been unable to fix this one!

Helical resonators, cavities, crystal filters: all narrow band devices. The standard for repeater sites is to use resonant cavities. These can be purchased (not cheaply), and have adjustable insertion loss and frequency. You can get pass or notch cavities. You should have a pass cavity on your transmitter (to be a good neighbor - it keeps the broadband noise from the transmitter from getting too far away from your frequency). A pass cavity (or more - in one case we used 5) on your receiver is a good idea, and will greatly help if the intermod problem is from within your receiver.

You can also use attenuation on your receiver. A third order intermod product will go down 3 dB for every 1 dB of attenuation that you put in front of your receiver. Of course, you don't want to use much attenuation on a repeater receiver.

I can give you more details by email if you want.

Let me re-iterate: If you are operating a ham repeater on a busy site and you don't have a circulator and a pass cavity on your transmitter, you are not being a good neighbor. If you try it at almost any site in Arizona, you will be shut down by the site owner (usually USFS or BLM) when they discover it. It is not "good amateur practice" to leave out these items on a shared site.

--
John Moore (NJ7E)   mcdphx!anasaz!john asuvax!anasaz!john
(602) 951-9326 (day or eve) long palladium, short petroleum
7525 Clearwater Pkwy, Scottsdale, AZ 85253
Support ALL of the bill of rights, INCLUDING the 2nd amendment!

From -1663190830851254600
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d3e3fc875f98575
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-26 08:31:42 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!atha!rwa
From: rwa@cs.AthabascaU.CA (Ross Alexander)
Newsgroups: rec.ham-radio
Subject: Re^2: You ask me to memorize...
Message-ID: <1722@aurora.AthabascaU.CA>
Date: 26 Feb 90 16:31:42 GMT
References: <5120007@hpindda.HP.COM> <30500427@ux1.cso.uiuc.edu>
Organization: Athabasca University
Lines: 14
Posted: Mon Feb 26 17:31:42 1990

phil@ux1.cso.uiuc.edu writes:

>As I understand it, the Canadian Digital class was restricted to packet only,
>i.e. no voice privileges to support coordinating and setting up packet
>operations, or just getting in contact with the rest of the ham population.

This is fortunately incorrect. Canadian Digital Amateur privs include
[AFP][0-59].* (in other words, all known modes) from 2 meters up. Below
2 meters, on the other hand, we have no privs whatsoever.

--
--
Ross Alexander   (403) 675 6311   rwa@aungbad.AthabascaU.CA   VE6PDQ

From 7761967577800441572
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,2414de4b63cb23ff
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-26 09:19:06 PST
Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!uwm.edu!bionet!agate!ucbvax!hplabs!hpl-opus!hpnmdla!alanb
From: alanb@hpnmdla.HP.COM (Alan Bloom)
Newsgroups: rec.ham-radio
Subject: Re: Need wattage and range information for us in portable emergency.
Message-ID: <1250125@hpnmdla.HP.COM>
Date: 26 Feb 90 17:19:06 GMT
References: <3980@cbnewsj.ATT.COM>
Organization: HP Network Measurements Div, Santa Rosa, CA
Lines: 5
Posted: Mon Feb 26 18:19:06 1990

I'd get the highest (legal) power HT you can find. Since it will
only be used if an emergency arrises, you don't need to worry about

battery run-down time.

Al N1AL

From 8534636026884866181
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7d5e1b9e78b555ea,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-26 09:42:25 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!brutus.cs.uiuc.edu!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!snorkelwacker!apple!bionet!agate!ucbvax!iilcad.intel.COM!avip
From: avip@iilcad.intel.COM (avi plotnik)
Newsgroups: rec.ham-radio
Subject: helical resonators
Message-ID: <9002261742.AA09209@iilcad>
Date: 26 Feb 90 17:42:25 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 19
Posted: Mon Feb 26 18:42:25 1990

Regarding the last postings about helical resonators:

I remember a very nice article in the May '81 Annual Antenna Issue of "Ham Radio" about homebrewing cavity resonators. (There was an interesting suggestion how to make a "quick and dirty" cavity resonator for 2m. using an empty coffee can, a couple of coax connectors and other pieces of junk...).

The article may be usefull and include extra references.

Hope this will help.

(I'm recalling the year and month of the magazine from the doldrums of my memory... It used to work fine, but you know... Anyway, I'll double check the info later on at home, and publish an errata if the info is incorrect.)

Shalom and 73,

Avi Plotnik 4X6LP <avip%iilcad@sc.intel.com>

From -1326664051299370585
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,f41ac86d9a3deeae,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-26 10:05:39 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!snorkelwacker!apple!bionet!agate!ucbvax!flopn2.csc.ti.com!rlwest
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Newsgroups: rec.ham-radio

Subject: Public Apology to Peter Kemp, KZ1Z
Message-ID: <9002261813.AA19981@ti.com>
Date: 26 Feb 90 18:05:39 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 38
Posted: Mon Feb 26 19:05:39 1990

A couple of weeks ago I posted a list of equipment manufacturers addresses and phone numbers. The intention was to disseminate the information, and to encourage anyone with further information to submit additions and corrections. There has been a little discussion about the availability of the information.

Some part of the material I listed, some of which had been compiled on a local system by one of the local club members, was taken from another source which should have credited Peter W. Kemp, KZ1Z, for compilation.

Please consider this a public apology to Mr. Kemp for not having properly credited him for his contribution. If you have downloaded a copy of the list, will you please add his name as a major contributor. If you have distributed the list to another board, will you please also copy this apology to that board.

I did not intend to slight Mr. Kemp for his due credit, but I was not at all diligent in tracing the source of the information. For that I apologize to him and to the Amateur Radio community.

Apparently the INFOHAMS posting appeared on CompuServe, either in the form of INFOHAMS DIGEST or otherwise. (I have not been on CompuServe for a while, so I do not know what form it took there.)

Please direct all questions or comments about items 11 through 22 on the list to:

Peter W. Kemp, KZ1Z
Technology Education Department
Bethel Middle School
1 School Street
Bethel Connecticut 06801
(203) 794-8670

Regards,
Bob West WA8YCD
RLWEST@FLOPN2.CSC.TI.COM

From 8227615084736212627
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3024416104488dbe,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-26 10:31:08 PST

Path: gmdzi!unido!mcsun!uunet!aplcen!uakari.primate.wisc.edu!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!snorkelwacker!apple!bionet!agate!ucbvax!um.cc.umich.edu!Michael_Edelman%Wayne-MTS
From: Michael_Edelman%Wayne-MTS@um.cc.umich.edu
Newsgroups: rec.ham-radio
Subject: QRP rigs....
Message-ID: <204965@Wayne-MTS>
Date: 26 Feb 90 18:31:08 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 27
Posted: Mon Feb 26 19:31:08 1990

To the original poster who mentioned hand-held QRP sideband rigs: I don't know what Japanese company makes them, but AEA sells two VXO'd SSB/CW HTs for 10 meters and 6 meters. I had the 10M unit, and I'm sorta sorry I sold it. My first QSO outside the store was a W6 in San DIego. Pretty good for 2 watts two years ago.

Doug Faunt mentioned Digitrex. I've had their 9-band QRP rig on order since last October. Digitrex's ham business is a sideline to their instrumentation business, so things don't happen too fast there. The 9-band rig is a successor to their earlier monobanders, with selectable CW/DSB, digital readout, direct conversion recieve and 0-15W input. For the price (175 kit/ 250 assem.) it looks pretty good, if and when it comes out.

They've had a few problems they've been correcting based on feedback from the beta-test units in the field. There was a 31-meter image problem, and now there's a redesign of the final network going on. If everything is corrected and no other problems show up, I should have mine in about a month, I hope. I'll post a review if and when.

BTW, they make a couple of other nice products. One is a pocket sized freq counter for $60 (about .75"x1.5"x2") and a similarly sized one-channel rock bound FM 2M transmitter, intended to be used with scanner as an ultra simple 2M system. Might be interesting as the heart of an ultra-tiny packet system, too.
--mike ke8yy
michael_edelman%Wayne-MTS@um.cc.umich.edu
medelma@waynest1

From -8607290982563217724
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d3e3fc875f98575
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-26 10:51:58 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!ubc-cs!alberta!adec23!aunro!atha!lyndon
From: lyndon@cs.AthabascaU.CA (Lyndon Nerenberg)
Newsgroups: rec.ham-radio
Subject: Re: You ask me to memorize...
Summary: You blew it, Phil :-)

Message-ID: <1723@aurora.AthabascaU.CA>
Date: 26 Feb 90 18:51:58 GMT
References: <5120007@hpindda.HP.COM> <30500427@ux1.cso.uiuc.edu>
Organization: Athabasca University
Lines: 16
Posted: Mon Feb 26 19:51:58 1990

In article <30500427@ux1.cso.uiuc.edu> phil@ux1.cso.uiuc.edu writes:
>
>As I understand it, the Canadian Digital class was restricted to packet only,
>i.e. no voice privileges to support coordinating and setting up packet
>operations, or just getting in contact with the rest of the ham population.

You understand WRONG!

A Digital certificate holder has all modes (including A1) on 2m
and up. They also get to do nifty things like P[0-9] that I, as
an Advanced certificate holder, can NOT do.
--
Lyndon Nerenberg VE6BBM / Computing Services / Athabasca University
{alberta,decwrl}!atha!lyndon || lyndon@cs.AthabascaU.CA

UREP: Peru in disguise?

From -4015211433754677719
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5d3e3fc875f98575
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-26 11:44:28 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!rpi!crdgw1!ge-dab!
tarpit!peora!tsdiag!ocpt!ccop1!wilson
From: wilson@ccop1.ocpt.ccur.com (<wilsong>)
Newsgroups: rec.ham-radio
Subject: Re: You ask me to memorize...
Summary: Hobby vs Work
Message-ID: <287@ccop1.ocpt.ccur.com>
Date: 26 Feb 90 19:44:28 GMT
References: <76071@tiger.oxy.edu> <30500405@ux1.cso.uiuc.edu> <284@mikebat.UUCP>
Organization: Concurrent Computer Corp. Oceanport,NJ
Lines: 11
Posted: Mon Feb 26 20:44:28 1990

Definitions-

Work   - Activities involving expenditure of energy and time for which we
receive material compensation.

Hobbies- Activities involving expenditure of energy and time for which we
provide material compensation.

Gary, WB2BOO

From -8660551254931117823
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3d9c041d6e27e2d6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-26 13:36:39 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!bridge2!mips!wyse!pgraham
From: pgraham@wyse.wyse.com (PC-NFS Philip Graham x1124 #)
Newsgroups: rec.ham-radio
Subject: Measurement of Harmonics
Keywords: Attenuators Harmonics Directional Couplers
Message-ID: <2619@wyse.wyse.com>
Date: 26 Feb 90 21:36:39 GMT
Organization: Wyse Technology, San Jose
Lines: 25
Posted: Mon Feb 26 22:36:39 1990

Hello Folks,
What is the best way to measure harmonics of radio gear? The ARRL handbook (1987 version), says that the best way is an attenuator in series with the COAX line from the Radio to the Spectrum Analyzer or by using a Dirctional Coupler.

Frankly I would be happy to measure in any way, but I do not own a attenuator that will take 100 Watts (let alone 1000 Watts) or a directional coupler.

Is there other ways that will yeild accurate results? I have thought about using a piece of wire wraped around the COAX, but this method is not accurate since the wire can go resonant at some frequencies (or can go more resonant), and yeild results that indicate the harmonic content is more than the fundamental.

I know that BIRD makes a high-power directional coupler, who knows what this costs. I was thinking of building a RF coupler that has been shown in the ARRL handbook that is used for SWR/Wattmeters....

What do you folks think? Any good sources for cheap test equipment like this?

DE KJ6NN
Phil
Thanks in advance!

From 9361904341249667677
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,cba490e7503acf92
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-20 06:33:32 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!cs.utexas.edu!asuvax!stjhmc!f1.n234.z1.fidonet.org!Jim.Grubs

From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: no-voice license
Message-ID: <13147.25E0E582@stjhmc.fidonet.org>
Date: 20 Feb 90 06:26:39 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 15
Posted: Tue Feb 20 07:26:39 1990

 > From: ron@hpfcso.HP.COM (Ron Miller)

 > Something not worth working for isn't worth having. Amateur radio is
 > a privilege after all.

Agreed, but why is a code test the ONLY way to "work" for a license? In this day and age a tougher technical exam makes more sense.

73 de Jim Grubs, W8GRT

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

From -6358658169786253217
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,678c6f2667128433
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-20 06:40:18 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!rutgers!psuvax1!psuvm!afz1
From: AFZ1@psuvm.psu.edu
Newsgroups: rec.ham-radio
Subject: Re: Hams per Capita, Various Countries
Message-ID: <90050.165542AFZ1@psuvm.psu.edu>
Date: 19 Feb 90 21:55:42 GMT
References: <9002171432.AA12828@cmr.ncsl.nist.gov> <324@bongo.UUCP>
Organization: Penn State University
Lines: 47
Posted: Mon Feb 19 22:55:42 1990

In article <324@bongo.UUCP>, julian@bongo.UUCP (julian macassey) says:
>
>In article <9002171432.AA12828@cmr.ncsl.nist.gov>,
>rc@CMR.NCSL.NIST.GOV (Robert Carpenter) writes:
>> Why are there so many US radio amateurs??? The "incidence" of ham radio

>The regs used to state that you could only talk about
>matters that you would not normally talk about on the phone.
>There is no "public service" and emergency stuff. Ham radio is
>supposed to be for educational and experimental purposes.

```
>
This is true in Malaysia and most of the South East Asian countries.  There is
a lot of restrictions on what you can say.  Politics is definitely out.

>As I recall, you had to
>have an OK from the local fuzz that you were a good boy before
>they granted a licence. This requirement may have been dropped. I
>
When I applied for the Malaysian ticket, I had to furnish two reference letters
and take an oath of secrecy.  This requirements are due to the communist
insurgencies and the authority feels that ham radio might be used for the
wrong purpose.
>        Britain has a pretty tough licence exam. They are pretty
>bureaucratic and hard to deal with.
>
Malaysia followed the footsteps of Britain (being its former colony). So the
exams are twice a year based on the City and Guilds R.A.E.  This in itself
slows down the process of recruiting new hams.

Interestingly enough, my first ticket was obtained here and I just applied for
the 9M2 call from here.  All the above actually discourages people from taking
up the hobby.  There are about 200 hams compared to a population of 15m.
Hams are considered an elite group or "bourgoise" unfortunately.

>--
>Julian Macassey, n6are  julian@bongo.info.com  {ucla-an!denwa!bongo!julian
>N6ARE@K6IYK (Packet Radio) n6are.ampr.org [44.16.0.81] voice (213) 653-4495
-------
<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
<<                                                                     >>
<<  AHMAD F. M. ZAIN, PH.D.            BITNET : AFZ1@PSUVM             >>
<<  316 COMM AND SPACE SCIENCE LAB     PACKET : N3FLX@WA7SSO.PA.USA.NA >>
<<  ELECTRICAL ENGINEERING EAST         RADIO   9M2DX@9M2BBS.MYS.AS    >>
<<  PENNSYLVANIA STATE UNIVERSITY      AMPR.ORG : 44.080.0.133         >>
<<  UNIVERSITY PARK, PA 16802.               "TIME IS LIFE"            >>
<<                                                                     >>
<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>


From -4867333614733779015
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,18fa8e582e84d75c
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-20 06:55:26 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!uwm.edu!psuvax1!
eds1!wa3wbu!ka3adu!compnect!daveh
From: daveh@compnect.UUCP (Dave Hultberg)
Newsgroups: rec.ham-radio
Subject: Re: TI-99/4A Packet
Summary: 99/4A needs RS232 for packet
Message-ID: <470@compnect.UUCP>
Date: 20 Feb 90 14:55:26 GMT
References: <9001291939.AA28824@ti.com> <125761@infocenter.UUCP>
```

Organization: John Core at home, Harrisburg,PA
Lines: 16
Posted: Tue Feb 20 15:55:26 1990

The question was asked about using a TI 99/4A on packet. In addition to the 99/4A you need:

RS232 (either card in PEB or old sidecar version)
Terminal Emulator (TEII will work but is not very useful, TELCO is better)
Disk controller
32K memory
Disk Drive
Editor/Assembler or Extended BASIC cartridge (to run TELCO)
TNC

```
--
==============================================================================
Dave Hultberg   Radio:  KA3UZR       UUCP:  uunet!wa3wbu!ka3adu!compnect!daveh
CIS:  72437,3215   US Snail:  1407 Concord Road, Mechanicsburg, PA  17055-1955
```

From -7181329678756421785
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,856935be55072128,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-20 07:15:12 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!ibma.nerc-wallingford.ac.UK!PJML
From: PJML@ibma.nerc-wallingford.ac.UK ("Pete Lucas, NCS-TLC, Swindon U.K.")
Newsgroups: rec.ham-radio
Subject: Licensing in different countries.....
Message-ID: <20.Feb.90.15:17:59.GMT.#4521@UK.AC.NWL.IA>
Date: 20 Feb 90 15:15:12 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 18
Posted: Tue Feb 20 16:15:12 1990

Julian Macassey, n6are <julian@bongo.info.com {ucla-an!denwa!bongo!julian> says::

> Britain has a pretty tough licence exam. They are pretty
> bureaucratic and hard to deal with. But once you get through the
> exam, the only difference between HF or VHF/HF access is a 12 WPM
> Morse Test. As I recall this test is now administered by the
> amateurs themselves.

Yes it used to be that you had to go to a British Telecom office to take the code test. Now, you can take the test (by appointment) with the RSGB at many radio rallies. 12WPM gets you your HF privileges.
I wouldnt go as far as to call the CEPT license 'bureaucratic' - after all, it

IS valid in most European countries! No hassle about reciprocal licensing
when you go to France for the weekend.

///Pete

From -2751869978319576507
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3b4d46d7684cd121,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-20 07:51:00 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!INDYVAX.IUPUI.EDU!IWNQ500
From: IWNQ500@INDYVAX.IUPUI.EDU ("Wisdom is common knowledge...Problem is....not common enough")
Newsgroups: rec.ham-radio
Subject: No code and Chaos Band
Message-ID: <D6A82CC8583F00C8F5@INDYVAX.IUPUI.EDU>
Date: 20 Feb 90 15:51:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 21
Posted: Tue Feb 20 16:51:00 1990

After reading the flamethrowers on here I'll say this:
There are a few here that not only want no-code but also no-test.
Fine. Glorified CB is all that will become of this once great hobby.
I'm reluctantly in favor of no-code but frankly, two things will
happen: 1- Anarchy will be victorious on the bands
2- The idiots that think it's funny to jam and make raunch
noises on thier rigs will ruin the public service end
of ham radio.
Like on the UHF/VHF bands where patches to police are commonly made so
some jackoff decides to fart and do whatever and use obscenities
towards the police officer on the other end...and they certainly
don't like it. When the FCC takes away the ham bands like they
might just do someday, the jammers will still be there...making
havoc and otherwise showing their gleuteus maximiuses.
I'm being grim but hopefully the no-code thing will pass and or die
and whoever the new amateurs may be will be welcomed into the hobby
like others were (like me).

Mike Jezierski N9IIT
Bitnet: IWNQ500@INDYVAX
Internet: Iwnq500@indyvax.iupui.edu

From -8015401737889731093
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c6fc47908131a6ae
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-20 08:07:11 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!elroy.jpl.nasa.gov!decwrl!shelby!unix!

hplabs!hpfcso!hplisa!hplvli!chris
From: chris@hplvli.HP.COM (Chris Kelly)
Newsgroups: rec.ham-radio
Subject: Re: Upgrading TNC-1 to higher speeds
Message-ID: <4590032@hplvli.HP.COM>
Date: 20 Feb 90 16:07:11 GMT
References: <9002090804.AA07420@zit.cigy.>
Organization: Loveland Inst. Div
Lines: 16
Posted: Tue Feb 20 17:07:11 1990

The TNC-1 has a modem "breakout" connector which allows it to operate with an external modem. You can check out this interface in the manual and schematics. In addition to this, provisions have been made to double the clock frequency of the 6809 to give more processing power, but this requires the "B" version of the MC6809 (MC68B09) processor and peripherals. You may even consider using the Hitachi 63B09 CMOS 6809. Since other timing parameters are settable using commands, the TNC-1 should take you to 9600 baud without too much problem. For a while, the FADCA and K9NG modems were available to experimenters which allowed 9600 baud operation. You may be able to find more info in the ARRL Networking Conference papers from about 5 years ago on all these topics. Sorry I cannot be more specific, but I don't usually have my TNC at work! 73 and CUL..........de WD5IBS (proud owner of 2 original TNC-1s!)
.........chris

From -690305362292515495
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,11a1eb58e55a1ba9
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-20 08:34:09 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!asuvax!stjhmc!f1.n234.z1.fidonet.org!Jim.Grubs
From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: Packet radio license without code r
Message-ID: <13146.25E0E57E@stjhmc.fidonet.org>
Date: 20 Feb 90 06:26:27 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 44
Posted: Tue Feb 20 07:26:27 1990

* Forwarded from "Ham"
* Originally from Matt Horbund
* Originally dated 15 Feb 90 14:50:02

In a message of <Feb 10 18:41>, Jim Grubs (1:234/1) writes:

> > > * Forwarded from "REC.HAM-RADIO"
> * Originally from John Liu
> * Originally dated 10 Feb 90 12:36:02
>I am sure this point has been brought up before, but let me emphasize it.
(..Much Deleted...)
>
>While a no code license is appealing in some ways, I personally feel it
>would be a great loss for people knowing the code and those who don't.
>Let me explain. Imagine for instance a no-code license was established,
>and
>I for one reason or another didn't have the time or energy to learn morse
>code on my own. If somebody was trapped and was trying to communicate to
>me
>in morse code, I would feel terrible! Now, consider a person who knows the
>code, like the person trapped who I was trying to help. He would feel
>TERRIBLE, too!

I don't think 'feeling terrible' has ANYTHING to do with knowing or not knowing
Morse Code. I know the code and rarely use it. I haven't been in that
isolated situation of someone being trapped, as I'm sure 90% of us haven't.

>
>Maybe I stated my opinion poorly, but all I am trying to say is: there are
>times when knowing the code is extremely helpful, and it would be a shame
>to abolish it from licensing requirements.

They aren't abolishing it, they are just making an entry license...without
code.   From what I read of it, the no-coder can take the 5wpm and get his
tech...which I think is good..give them a LITTLE taste, then they'll want
more. And if they dont want more, then we're no better or worse off than we
were before...

--Matt
KB7HYF

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

From 2090445606031051159
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,81e7a24d717ba8c3,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-20 09:00:27 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!cs.utexas.edu!tut.cis.ohio-state.edu!ucbvax!CCC.NMFECC.GOV!MORRIS%ORN.MFENET
From: MORRIS%ORN.MFENET@CCC.NMFECC.GOV
Newsgroups: rec.ham-radio
Subject: remove
Message-ID: <900220090027.2480012b@CCC.NMFECC.GOV>
Date: 20 Feb 90 17:00:27 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet

Lines: 2
Posted: Tue Feb 20 18:00:27 1990

Please remove me from the mailing list
    Thank you

From -3247833557151723127
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ac24ef691c23787f,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,ac24ef691c23787f,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-02-20 11:06:32 PST
Path: gmdzi!unido!mcsun!uunet!ogicse!uwm.edu!ux1.cso.uiuc.edu!iuvax!rutgers!njin!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: WEBER picture and Gopstein
Keywords: WEBER Microsat Picture PHOTO.c
Message-ID: <616@idacrd.UUCP>
Date: 20 Feb 90 19:06:32 GMT
Organization: idacrd, princeton, nj
Lines: 30
Xref: gmdzi rec.ham-radio:9727 rec.ham-radio.packet:1812
Posted: Tue Feb 20 20:06:32 1990

Rich and others:

OUTSTANDING. You've got it almost completely correct. Your one error is in the red green blue bit. Notice from your photo that the beginning is the sync. AT the end of the line is the colorburst. This is a straight NTSC picture that has been digitized by a board that fires on the vertical sync. The picture you have put up as a postscript file is WEBER Photo-9 and is picture of the limb of the earth. The satellite is still spinning down and even though it takes only a 30-th of a second for a NTSC frame, how many of you have tried hand holding a camera for a 30-th of a second still shot? As the bird slows down and locks magnetically (the rest of them have just done this and WEBER has greater moments of inertia and more mass to despin and lock), the pix should not smear as this one has. In your Postscript photo, any detail was washed by this spinning other than the atmosphere along the earth's limb is clearly visible. You should see it in color ;-). Soon, soon. Rich, I will post the color decoding formulas so that you can do a little trigonometry and recover the color information. The lines are NOT sent alternately RGB, it is NTSC (Bleeccccchhhh!).

Great work!!!

Bob

--

```
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------


From 8812437657800285141
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ebe1a14f239c4168,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-20 11:16:02 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!dvinci!weyr!Sylvan.Katz
From: Sylvan.Katz@weyr.FIDONET.ORG (Sylvan Katz)
Newsgroups: rec.ham-radio
Subject: IBM PC Keyer Board
Message-ID: <562.25E1B0BB@weyr.FIDONET.ORG>
Date: 20 Feb 90 19:16:02 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 13
Posted: Tue Feb 20 20:16:02 1990

Any one with information on software, public domain or otherwise, for an IBM PC
which will turn it into a keyer would be appreciated.
Either leave a note or look for me around 14.010 - 14.025 @ 0100-0300Z most
evenings.

Sylvan Katz             VE5ZX
203 Ball Cres           UUCP:alberta!dvinci!weyr!Sylvan.Katz
Saskatoon, Sask         Internet: SYlvan.Katz@weyr.FIDONET.ORG
Canada S7K 6E1          Usually 14/21/28 CW 0000 - 0300 Z weekdays

--
Sylvan Katz - via FidoNet node 1:140/22
UUCP: alberta!dvinci!weyr!Sylvan.Katz
Internet: Sylvan.Katz@weyr.FIDONET.ORG
Standard Disclaimers Apply...


From -9065127309517593721
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fac450d0fe5fc7fc
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,fac450d0fe5fc7fc
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-02-20 11:27:32 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!elroy.jpl.nasa.gov!turnkey!
orchard.la.locus.com!prodnet.la.locus.com!eric
From: eric@locus.com (Eric Peterson)
Newsgroups: rec.ham-radio,rec.radio.shortwave
Subject: Re: Buying from Japan
Message-ID: <3629@oolong.la.locus.com>
Date: 20 Feb 90 19:27:32 GMT
References: <1990Feb16.183916.18864@cs.columbia.edu> <38695@apple.Apple.COM>
```

Reply-To: eric@keno.UUCP (Eric Peterson)
Followup-To: rec.ham-radio
Organization: Locus Computing Corp. Los Angeles
Lines: 16
Xref: gmdzi rec.ham-radio:9730 rec.radio.shortwave:589
Posted: Tue Feb 20 20:27:32 1990

In article <38695@apple.Apple.COM> pvh@Apple.COM (Pete Helme) writes:

> ...
>So my question is has anyone here ever purchased a transceiver from Japan and
>succesfully modified it for American frequencies and been happy with that.
>Or have you been sorry you didn't have a USA warranty etc. I have
>contacts in Japan so getting the radio is no problem. I'm just wondering if
>it's more hassle than the money savings is worth.

I purchased my IC-32AT in Hong Kong. The only problem I ran into
was the fact that they use 430-440 for their "450" band (actually
it was rig to be used in Australia, according to labeling on the
box). I think Japan has the same 430-440 band. Upon returning
to the US, I called Icom and learned that it was no problem to
convert it to 440-450. 2 weeks and $50 later, I had my rig back.
I think it was worth it - even with the conversion cost, I was
still $150 ahead of the going price here.

From -7292190465531274244
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8078eaa7f87a45b6,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,8078eaa7f87a45b6,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-02-20 12:06:47 PST
Path: gmdzi!unido!mcsun!uunet!lll-winken!uwm.edu!ux1.cso.uiuc.edu!iuvax!rutgers!njin!princeton!idacrd!mac
From: mac@idacrd.UUCP (Robert McGwier)
Newsgroups: rec.ham-radio,rec.ham-radio.packet
Subject: WEBER pic format
Keywords: WEBER Microsat Picture Format
Message-ID: <617@idacrd.UUCP>
Date: 20 Feb 90 20:06:47 GMT
Organization: idacrd, princeton, nj
Lines: 21
Xref: gmdzi rec.ham-radio:9728 rec.ham-radio.packet:1813
Posted: Tue Feb 20 21:06:47 1990

Rich:

One more error you made, ALL lines are sent, you have just been unlucky
and have missed those times when the passes were transmitting the lines.
Once again, ALL lines are transmitted. I wondered why your weber.ps
looked so flat ;-). At any rate, an outstanding job. Amateur inventiveness
never ceases to amaze me. That is what these satellite projects are all
about.

DEVON: Just average four pixels and use four color representation. To bad there is no good black and white on the commodore but you can always use a B&w TV. A two level representation is not gonna get it, so give up the resolution for another two levels.

Bob

```
--
----------------------------------------------------------------------------
    My opinions are my own no matter |    Robert W. McGwier, N4HY
    who I work for! ;-)          |    CCR, AMSAT, etc.
----------------------------------------------------------------------------
```

```
From -4325290400102445250
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,eab71eb069a8a3cd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-20 12:15:37 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!rutgers!soleil!gopstein
From: gopstein@soleil.UUCP (Rich Gopstein)
Newsgroups: rec.ham-radio
Subject: a WEBER picture in postscript
Message-ID: <960@soleil.UUCP>
Date: 20 Feb 90 15:44:07 GMT
Organization: Harris Semiconductor, Somerville, NJ
Lines: 846
Posted: Tue Feb 20 16:44:07 1990
```

Here is the postscript for PHOTO-9, the only WEBER photo so far that has anything resembling anything.

The header to the picture is:

Picture was taken Sun Feb 18 04:53:08 1990
as picture #09 from bank #1 addresses 0095:00FF to 0000:2DF2

I believe that this put satellite somewhere over north east India. My guess is that the picture is of a land mass, not the edge of the earth (as it might appear).

I'm also guessing about the aspect ratio -- I've used approximately 645/242 which might be right...

```
------------------------------------- PHOTO-9.PS
------------------------------------
%!
/inch {72 mul} def
/picstr 121 string def
/photo
  { 215 121 8 [215 0 0 -121 0 121]
```

```
    {currentfile picstr readhexstring pop}
    image
  } def
0 300 translate
8 inch 3 inch scale
photo
21284a4f4f4f4e4e4e4e4d4f3c282a2a2d412a9f686574787277797978787877
7777777675777877787875767878797 87a7979787778767 87a7979777777877
777677797878787a7a7a7978787a79797a77797a7a7a7a78787a7a7978787a78
7a7c7a7a7b7a7a7a7778797a7b7b7a797a7b7c7d7d7c7d7f7f80808182838584
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87858889898987878787898988878989898b8d8e9193949598999b9d9b9c9e9e
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4d4e4f3c29292a2e432c906765777b727a7d79777c7b79797b7879777879797c
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7d7d7e7d7e7f817f7e7e8081828384868486898688868687888889898989898 9
8a8a898c898a8a89898989888a8b898a8b8c8e8e8f919293949595959494959 5
9494949597999a9b9c9ca0a0a2a4a6a9acaeb1b2b4b4b3b0adacaba9aaa8a7a0
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7d7e7c7d7c7f7f808081838081818280818181807f828281818180818180828 5
848585878688888989898989898a8a8a8989898989 8a8a8b8c8d8e8d8d8f90
8e8f8f8f909090919295979 89a9d9e9fa0a0a0a09fa2a0a2a0a2a2a4a6a9aaaa
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8382848282838483838584868788888887878885898a878789888787888 98a8a
87878a8b8a898c8c8c8c8e8d8c8f8e8e8d8d8d8e908f908f8f91929292939293
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87878688898787878889898 98b89898a8b8a8a8a8a8a8b8b8b8a8a8b8a8b8c8d
8e8f90908f8f8e8f8f8f909192939293929393959596979797 9a9a9a9d9c9a9d
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868688878585848384878787878687898987878687898888898889 8c8b8c8c8b
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858685878786898987878a89898989898a898b8b8b8c8d8c8d8e8d8d8d8f8d8b
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```

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939293929495959494959596969798 9a999899989999989a9a9a9c9f9ea0a1a3
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2e422ea5757680837f7e817f7f818281838484848584858684848486868868486
85858586858587858787868686878888888587898889878889 8a898c8c8b8e8d
```

```
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28272901010101010101284a4f4f4e4e4e4f4d4d4e3c28292a2e422da777748183
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878689898889888b89898a8a8c8d8f8f90918f9090919292919493919293929 4
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showpage
------------------------------------ Cut Here  --------------------------------
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Rich Gopstein

..!rutgers!soleil!gopstein

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X-Google-Thread: 10c9e3,a0cf78ae2ca9f2a2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-20 12:15:45 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!
pacific.mps.ohio-state.edu!zaphod.mps.ohio-state.edu!mips!wyse!pgraham
From: pgraham@wyse.wyse.com (PC-NFS Philip Graham x1124 #)
Newsgroups: rec.ham-radio
Subject: Re: No Code (how about no theory!)
Message-ID: <2613@wyse.wyse.com>
Date: 20 Feb 90 16:00:53 GMT
References: <9002140549.AA08858@tecnet1.jcte.jcs.mil>
Sender: news@wyse.wyse.com
Reply-To: pgraham@wyse.UUCP (PC-NFS Philip Graham x1124 #)
Organization: Wyse Technology
Lines: 41
Posted: Tue Feb 20 17:00:53 1990
```

Interestingly, when I was getting upgraded from Tech to General I meet a lot
of people who had big problems with the Technical side and had no problems
with the code at all.

The problem with all of up "TECHO-WEENIES" is that we are spoiled. We work every day on technical problems and do not have to worry about the other areas. Such as writting, art, music, style. When a techincal problem is solved on a computer, Microwave device, Chemical compond or whatever. We do not have to write an Essay on how the problem was solved and its impact on society. The people who do that may not even understand the technical problems or the device.

It took me 4 months to get up to 13 WPM with 30-60 minutes of study +EVERY+ night. I passed the techical tests the first time with 1 week of study (I am up to Advanced now, I was a General for 1 week). But for me to get up to 20 WPM would be another 4 month effort, so right now that is not as important as other things in my life... I also saw people on the other side who were trying very hard to get the technical stuff done, but had the code complete (up to 20 WPM in some cases) but could not get past Tech.

I know this is hard to believe when you had now problem with the technical side. How much trouble do you think morse code is for a farmer (who had no engineering training) vs. the Technical side? I would conclude that the technical side was very tough, while the code came easy...

The point of all of this is the following:

Morse code is not a filter, just like the technical side is not a filter. The two forms help ballance the Ham community. I would sure hate to spend all day working on computers and then come home and talk about that all night...

So all of you who want to get a license do it... If you do not want to spend the effort (on the code or the technical) then be quiet.

You can ofcourse wait for the world to change and then you can try to become a ham...

DE KJ6NN
Phil

From 982216021800059289
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0cf78ae2ca9f2a2
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-20 12:16:38 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!ut-emx!trey
From: trey@ut-emx.UUCP (Trey Garlough)
Newsgroups: rec.ham-radio
Subject: Re: No Code (how about no theory!)
Message-ID: <24816@ut-emx.UUCP>
Date: 20 Feb 90 20:16:38 GMT
References: <9002140549.AA08858@tecnet1.jcte.jcs.mil> <2613@wyse.wyse.com>
Organization: The University of Texas at Austin, Austin, Texas

Lines: 43
Posted: Tue Feb 20 21:16:38 1990

In article <2613@wyse.wyse.com>, pgraham@wyse.wyse.com (PC-NFS Philip Graham x1124 #) writes:

> Interestingly, when I was getting upgraded from Tech to General I meet a lot
> of people who had big problems with the Technical side and had no problems
> with the code at all.
>
> I know this is hard to believe when you had no problem with the technical
> side.

This is how it was for me when I developed an interest in ham radio. I recall being frustrated that there was a step from Tech to General that only required code proficiency (something I was good at) but no such step up from my Novice license.

I remember asking how I should go about learning "the theory" and I got anwers like "read the ARRL Handbook." Yeah. Go find a 1972 era Handbook and read the first paragraph (I believe it's about electromagnetic waves or something) from the perspective of an eight year old. Right. I didn't even know what a lot of the words meant.

I believe that some of the technocrats occasionally lose sight of the fact that ham radio is a multidisciplinary endeavor. What first sparked my interest is that I could take a box of junk (say, a Viking Navigator) and make "wireless" contacts. It wasn't until after about five years of hamming that I started to develop interest in learning how the junk worked.

End of anecdote. Begin opinion.

And now for my contribution to the rekindled (*sigh*) code/nocode debate. If testing for amateur licenses is to include some variety of lid filter, be it a code test, a rigorous technical exam or whatever it takes to filter out lids/undesirables/criminals/whatever, it should be most rigorously applied to those who are permitted to use the 50 MHz band and down. Why? Because booish behaviour on these bands has the potential to wreck havok worldwide.

Personally, I don't think a rigorous technical exam would be enough to discourage someone talented and motivated enough to build a station capable of upsetting people worldwide on 1296.

Trey Garlough
Computation Center, University of Texas, Austin, Texas 78712
trey@emx.CC.UTEXAS.EDU (internet) (512-471-3241)

From -2986714545135608496
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a0cf78ae2ca9f2a2
X-Google-Attributes: gid10c9e3,public

```
X-Google-ArrivalTime: 1990-02-20 14:32:03 PST
Path: gmdzi!unido!mcsun!uunet!dino!sharkey!sbcs!root
From: root@sbcs.sunysb.edu (Systems Staff)
Newsgroups: rec.ham-radio
Subject: Re: No Code (how about no theory!)
Message-ID: <5612@sbcs.sunysb.edu>
Date: 20 Feb 90 18:57:43 GMT
References: <9002140549.AA08858@tecnet1.jcte.jcs.mil> <2613@wyse.wyse.com>
Organization: State University of New York at Stony Brook
Lines: 25
Posted: Tue Feb 20 19:57:43 1990

In article <2613@wyse.wyse.com> pgraham@wyse.UUCP (PC-NFS Philip Graham x1124 #)
writes:
>It took me 4 months to get up to 13 WPM with 30-60 minutes of study
>+EVERY+ night.  I passed the techical tests the first time with 1 week of

     It took two months worth of listening to W1AW over summer vacation
     to pick up 13 wpm.  If I had to do it now, it would take longer as
     I now know to "question authority" ;-)

>Morse code is not a filter, just like the technical side is not a filter.
>The two forms help ballance the Ham community. I would sure hate to spend
>all day working on computers and then come home and talk about that all
>night...

     What people are saying, IMHO, is that ham radio needs technical
     people to grow.  And that technical training is part of our charter
     to start with.  Morse is a skill that is arguably less useful than
     it was say 40 years ago.  Though, metaphorically speaking, most
     no-coders I know will not begrudge people who collect antique radios
     their rights up until the point they claim all people should use
     antique radios :-)

>Phil

                        Rick Spanbauer wb2cfv
                        State U of NY/Stony Brook


From -777701467639636325
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,42a53cbfdeb8dbe
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-20 14:32:36 PST
Path: gmdzi!unido!mcsun!uunet!samsung!think!mintaka!bloom-beacon!mcgill-vision!
clyde.concordia.ca!jarvis.csri.toronto.edu!torsqnt!tmsoft!masnet!canremote!
dean.milner
From: dean.milner@canremote.uucp (DEAN MILNER)
Newsgroups: rec.ham-radio
Subject: Re: License plates
Message-ID: <90022000102164@masnet.uucp>
Date: 20 Feb 90 05:10:00 GMT
```

Organization: Canada Remote Systems Limited, Mississauga, ON, Canada
Lines: 14
Posted: Tue Feb 20 06:10:00 1990

>There was someone compiling the definitive list of callsign plate
>information, state by state; whatever happened to that?

Well, if they are I should correct some erroneous info I popped into
this thread last week. In Nova Scotia the callplates are available
without fee the first time and without any extra annual fee's either. If
you require replacement plates (ie for damaged ones) then the cost is
$10.The person to whom the vehicle is registered must be the licence
holder to get call plates.

<wdm>
VE1CBF

 ~ QNet 2.04: MUI Sydney, NS (902) 564-5022   CB Hub via NorthAmeriNet

From 2847521469394857322
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9359ab24fa779e44,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-20 14:32:59 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!dvinci!weyr!Sylvan.Katz
From: Sylvan.Katz@weyr.FIDONET.ORG (Sylvan Katz)
Newsgroups: rec.ham-radio
Subject: CW - QRP?
Message-ID: <560.25E18672@weyr.FIDONET.ORG>
Date: 20 Feb 90 16:40:56 GMT
Organization: Benden Weyr, Saskatoon Sk. (306)-382-5746
Lines: 10
Posted: Tue Feb 20 17:40:56 1990

There is only one mode - CW - all the rest are spurious transmissions
Next:
I am going to the UK for 2 years ... I want to take a QRP rig with me and load up
some 'bed springs' .... recommendation and suggestions welcome!
Syl - VE5ZX

--
Sylvan Katz - via FidoNet node 1:140/22
UUCP: alberta!dvinci!weyr!Sylvan.Katz
Internet: Sylvan.Katz@weyr.FIDONET.ORG
Standard Disclaimers Apply...

From 4128708452686878247
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8102226410565601
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-20 15:02:24 PST

Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!atha!lyndon
From: lyndon@cs.AthabascaU.CA (Lyndon Nerenberg)
Newsgroups: rec.ham-radio
Subject: Re: Devil in CW
Message-ID: <1681@aurora.AthabascaU.CA>
Date: 20 Feb 90 19:21:49 GMT
References: <25@<12437> <30500390@ux1.cso.uiuc.edu> <9721@ttidca.TTI.COM>
Organization: Athabasca University
Lines: 14
Posted: Tue Feb 20 20:21:49 1990

sorgatz@ttidcb.tti.com (Erik Sorgatz - Avatar) writes:

> Oh yes there is! The very idea that someone "needs" 20 WPM skills in CW to
>be granted an EXTRA is old-age thinking.

And considering that hardly anyone builds their own gear any more,
I think the very idea that someone "needs" the electronic skills to
pass the technical portion of the exam to be granted an EXTRA is
old-age thinking.
--
Lyndon Nerenberg VE6BBM / Computing Services / Athabasca University
     {alberta,decwrl}!atha!lyndon || lyndon@cs.AthabascaU.CA

                     UREP: Peru in disguise?

From 3099835871646354952
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,690653ffcdfe6b6b
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-20 16:17:55 PST
Path: gmdzi!unido!mcsun!uunet!samsung!usc!ucsd!ucsdhub!hp-sdd!hplabs!hpda!hpcupt1!
hprnd!hprmokg!barry
From: barry@hprmokg.HP.COM (Barry Fowler)
Newsgroups: rec.ham-radio
Subject: Re: Communicator Class and the Deaf
Message-ID: <29490009@hprmokg.HP.COM>
Date: 21 Feb 90 00:17:55 GMT
References: <2241@ultb.isc.rit.edu>
Organization: HP Networked Computer Mfg. Operation
Lines: 13
Posted: Wed Feb 21 01:17:55 1990

cep4478@ultb.isc.rit.edu (C.E. Piggott) writes:

>I haven't seen this thought up, but the no-code license will let
>deaf and hearing impaired people become hams much more easily. This
>may be an issue here in Rochester, as we have a very large deaf community
>and R.I.T. is host to the National Technical Institute for the Deaf.
>
>Just a random thought.

Huh? Wouldn't it make more sense to visually or tactily copy Morse code
in this situation? Oh yeah, you must mean packet or RTTY...

From 8655105448807454923
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c37e4d0f1e1a3f0d,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-20 17:14:51 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!ucbvax!cpdvax.csc.ti.com!dube
From: dube@cpdvax.csc.ti.com (DUBE TODD)
Newsgroups: rec.ham-radio
Subject: The perceived threat to 6 Meters
Message-ID: <9002210121.AA01664@ti.com>
Date: 21 Feb 90 01:14:51 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 17
Posted: Wed Feb 21 02:14:51 1990

I sincerely hope Bill Gunshannon is correct in his opinion that there won't be another grab for 6. While past attempts have failed, this is by no means a guarantee that they won't succeed in the (near) future. Radio doesn't change, but the people who use it and the people who make decisions do. We are all witness to the No-Code situation. Things WILL change when enough noise is made by one side, coupled with the slowly-dying noise level from the other side.

I was mildly surprised at the number of responses I received after I suggested that Hams ask for the space between 28 and 50. Apparently there is quite a bit of activity in there. When the available commercial space has dwindled to nil I think we can exect another attempt to get 6 meters. WARC is not a guardian of ham bandspace, and the loudest voice (usually the one with the most money) will prevail as it has in the past.

I still think we Hams could do worse than ask for more of that space; even if it is only a "best defense is a good offense" move.

From 9044057290477026072
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7430e9b640dcdcd7,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-20 17:17:22 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!pt.cs.cmu.edu!
vi.ri.cmu.edu!rwb
From: rwb@vi.ri.cmu.edu (Bob Berger)
Newsgroups: rec.ham-radio
Subject: Amsat BBS number ?
Message-ID: <8096@pt.cs.cmu.edu>
Date: 21 Feb 90 01:17:22 GMT

Organization: Carnegie-Mellon University, CS/RI
Lines: 4
Posted: Wed Feb 21 02:17:22 1990

Does AMSAT still run a dial-up BBS? What is its number?

rwb@vi.ri.cmu.edu

From -1116503009005957265
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,ebc9937a07ad41a2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-20 17:55:16 PST
Path: gmdzi!unido!mcsun!uunet!wshb!mikebat!michaelb
From: michaelb@mikebat.UUCP (Michael R. Batchelor)
Newsgroups: rec.ham-radio
Subject: Condesending attitude
Keywords: 6 meters
Message-ID: <285@mikebat.UUCP>
Date: 21 Feb 90 01:55:16 GMT
Organization: M. Batchelor's PC7300, Beaufort, SC
Lines: 14
Posted: Wed Feb 21 02:55:16 1990

I have been duly firebombed by my condesending attitude for my post predicting the demise of 6 meters.

I freely admit my tone was inappropriate. I maintain that the communicator proposal is as much a political manuver to reallocate 6 meters as it is an honest attempt to help ham radio.

Michael
--
Michael Batchelor / \113\101\067\132\116\132   uunet!wshb!mikebat!michaelb

Back when *I* got *MY* license *WE* had to pass the code test.
And I thought it was a damn stupid idea then too.

From -1291749528283445317
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e8fd03ee18822387,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fddbf,e8fd03ee18822387,start
X-Google-Attributes: gidfddbf,public
X-Google-ArrivalTime: 1990-02-20 19:36:08 PST
Path: gmdzi!unido!mcsun!uunet!jarthur!usc!zaphod.mps.ohio-state.edu!rpi!crdgw1!ge-dab!tarpit!peora!tsdiag!ka2qhd!kd2bd
From: kd2bd@ka2qhd.UUCP (John Magliacane)
Newsgroups: rec.ham-radio,rec.ham-radio.packet

Subject: SAREX-2 Testing Continues
Keywords: HAM--SPACE Mission: May 9th
Message-ID: <183@ka2qhd.UUCP>
Date: 21 Feb 90 03:36:08 GMT
Organization: KA2QHD Public Access Un*x,Ocean NJ
Lines: 49
Xref: gmdzi rec.ham-radio:9783 rec.ham-radio.packet:1823
Posted: Wed Feb 21 04:36:08 1990

* SAREX-2 TESTING CONTINUES *

HR AMSAT NEWS SERVICE BULLETIN 049.01 FROM AMSAT HQ
SILVER SPRING, MD FEBUARY 18, 1989
TO ALL RADIO AMATEURS BT

Shuttle Amateur Radio Experiment #2 Undergoes Testing in Huntsville, AL

This week the Shuttle Amateur Radio Experiment #2 (SAREX-2) packet radio station underwent extensive testing at the Marshall Space Flight Center in Huntsville, AL according AMSAT Area Coordinator Ed Stluka (W4QAU). This testing was being perfomed in conjuction with the training of STS-35 Payload Specialist Ron Parise (WA4SIR) in the use of the ASTRO-1 experiment which will be primary payload on that shuttle mission. The primary payload, ASTRO-1, will be used to conduct a number of astronomical experiments. During the several days of testing this week, radio amateurs in the Huntsville area were invited to connect to WA4SIR and to receive a QSO number.

This special packet radio station flying on STS-35 on May 9, 1990 will give each radio amateur who connects to WA4SIR a QSO number confirming their contact. When the connecting station sends their QSL card in with this contact number, they will receive back a beautiful QSL card commemorating this HAM IN SPACE shuttle flight. The SAREX-2 packet radio station consist of a Motorola 2M FM H/T with 5 watts ouput, a Heathkit HK-21 TNC-2, and a GRiD laptop computer that has a 40 MB hard disk drive to store the calls of all the stations connecting to WA4SIR during the nine day mission. The specially written software which will be running the SAREX-2 packet station is designed to allow for completely unattended operation and logging of the calls of all connecting stations. It will also prevent duplicate QSO numbers being sent! Although no digipeating will be allowed through SAREX-2, connecting to this packet station will be like any terrestrial packet contact. Just use your TNC along with your 2m tranceiver, and everything else is the same. After you have connected and received your QSL number from WA4SIR, on subsequent orbits you can watch for the SAREX-2 message beacons being sent periodically. The message beacons will contain information about the flight of STS-35 and other interesting items.

Look for more information about the SAREX-2 mission in AMSAT News Service (ANS) bulletins and on AMSAT HF/VHF nets in the next couple of months. For more specific information about the ASTRO-1 payload, contact the SPACELINK BBS at (205) 895-0028.

--
AMPR : KD2BD @ NN2Z (Neptune, NJ)
UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
"For every problem, there is one solution which is simple,
neat and wrong." -- H.L. Mencken

From -1728966517079052307
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9c1c2c3840e0f694,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-20 21:35:33 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!cs.utexas.edu!asuvax!stjhmc!f1.n234.z1.fidonet.org!Jim.Grubs
From: Jim.Grubs@f1.n234.z1.fidonet.org (Jim Grubs)
Newsgroups: rec.ham-radio
Subject: Re: CALL FOR VOTE: rec.radio.noncomm
Message-ID: <13182.25E22D76@stjhmc.fidonet.org>
Date: 21 Feb 90 05:35:33 GMT
Sender: ufgate@stjhmc.fidonet.org (newsout1.26)
Organization: FidoNet node 1:234/1 - <QRV de W8GRT, Sylvania OH
Lines: 15
Posted: Wed Feb 21 06:35:33 1990

> From: phil@ux1.cso.uiuc.edu
>
> When was the discussion period in this newsgroup proposal?

I missed it, too. If I'd known it was up for discussion, I'd have suggested a better name. This one sounds like entertainment for sergeants. I'd pick rec.radio.public.

73 de Jim Grubs, W8GRT

--
Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

From 1582044234237537056
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,4f793abdab9b187
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-20 21:49:00 PST
Path: gmdzi!unido!tub!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!apple!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: List of Ham Manufacturers
Message-ID: <30500419@ux1.cso.uiuc.edu>
Date: 21 Feb 90 05:49:00 GMT

References: <9002131550.AA00363@ti.com>
Lines: 13
Nf-ID: #R:<9002131550.AA00363@ti.com>:-27:ux1.cso.uiuc.edu:30500419:000:489
Nf-From: ux1.cso.uiuc.edu!phil   Feb 20 23:49:00 1990
Posted: Wed Feb 21 06:49:00 1990

If you try to call Kenwood's service department by phone long distance, be prepared to pay a phone toll just to find out the line is busy.

This is because Kenwood has one of those wonderful systems that prompt you to enter the code number for particular departments. Thr trouble with these things is that you can make a lot of phone calls you have to pay for before you ever get in.

THIS is the reason that I no longer buy Kenwood gear.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

From 8724235280415752936
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,48bd65a98b1936fd,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-20 22:04:29 PST
Path: gmdzi!unido!mcsun!uunet!salt.acc.com!ucsd!brian
From: brian@ucsd.Edu (Brian Kantor)
Newsgroups: rec.ham-radio
Subject: FO-20 digital mode active
Message-ID: <11879@ucsd.Edu>
Date: 21 Feb 90 06:04:29 GMT
Organization: The Avant-Garde of the Now, Ltd.
Lines: 1167
Posted: Wed Feb 21 07:04:29 1990

A friend advised me that the new Japanese ham radio satellite FO-20 had had its on-board BBS activated, so I tuned it in and here's what I saw during one pass this evening.

I don't know much more about this than what you see here, but I thought I'd share the session to get more people interested.

Equipment used to receive this was the TAPR PSK modem kit attached to my R-7000, and a 30-element circularly-polarized beam. The TNC was an MFJ 1270 with the PSK modem plugged into it. 435.910 is the downlink freq, +/- 9kHz of doppler locally. I'm told that this modem does the special Manchester-encoded AFSK needed to uplink, but I haven't tried that yet.

Anyway, here's what one pass looked like:
          - Brian

```
cmd:8J1JBS>WB6HHV:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>BEACON:JAS1b RA 90/02/20 19:20:58
000 661 655 637 706 836 844 830 001 610
618 001 487 512 514 506 511 514 655 001
671 667 671 666 999 647 880 063 167 000
010 111 000 000 111 100 001 100 000 000

8J1JBS>BEACON:JAS1b M0 90/02/20 19:21:00
Mailbox is at your service from 90/02/17 13:31:00
The JD Transmitter is available in all orbits
during JD mode.

8J1JBS>WB6HHV:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>WB6HHV:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>WB6HHV:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>WB6HHV:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>WB6HHV:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>WB6LLO:JAS>
8J1JBS>WB6HHV:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>WB6HHV:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>WA4EJR:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>K0RZ:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>K0RZ:JAS>
```

```
8J1JBS>BEACON:JAS1b RA 90/02/20 19:21:58
000 658 649 652 705 835 845 830 001 609
617 001 489 511 515 507 511 515 655 001
669 664 669 663 999 647 880 065 167 000
010 111 000 000 111 100 001 100 000 000

8J1JBS>BEACON:JAS1b M0 90/02/20 19:22:00
Mailbox is at your service from 90/02/17 13:31:00
The JD Transmitter is available in all orbits
during JD mode.

8J1JBS>K0RZ:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>WB6HHV:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>K0RZ:02/20 18:02  JH2XIL  WC8J    mail arigato
0745 02/20 17:41  WB6LLO  W0SL    MESSAGE
0743 02/20 17:39  K0RZ    K8TL    Mode-S
074
8J1JBS>K0RZ:2 02/20 17:37  WC8J    KB5MU   Glad to share TSR with AMSAT
0741 02/20 17:36  WA2FHL  LU8DYF  QSO
0740 02/20 17:35  N1CHM   K0RZ
8J1JBS>K0RZ:    Hello Bill
0739 02/20 17:31  K0RZ    DB2OS   Hi Peter
0738 02/20 17:31  WA2FHL  JH1PEF  QSO
0737 02/20 17:29  W0SL    DL1CF
8J1JBS>K0RZ:  MSG RECEIVED
JAS>
8J1JBS>W6SHP:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>K0RZ:KILLED!
JAS>
8J1JBS>BEACON:JAS1b M0 90/02/20 19:23:00
Mailbox is at your service from 90/02/17 13:31:00
The JD Transmitter is available in all orbits
during JD mode.

8J1JBS>W5GEL:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>W5GEL:JAS>
8J1JBS>K0RZ:TO?
8J1JBS>WB6LLO:JAS>
8J1JBS>WB6HHV:JAS>
8J1JBS>W6SHP:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help
```

```
8J1JBS>WB6HHV:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>K0RZ:SUBJECT?
8J1JBS>WB6HHV:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>WB6HHV:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>WB6HHV:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>K0RZ:Enter text, <CR>.<CR> to end.

8J1JBS>BEACON:JAS1b RA 90/02/20 19:23:58
000 657 653 651 704 835 846 829 001 600
618 001 491 511 517 509 513 517 655 001
665 661 667 660 999 647 880 068 167 000
010 111 000 000 111 100 001 100 000 000

8J1JBS>BEACON:JAS1b M0 90/02/20 19:24:00
Mailbox is at your service from 90/02/17 13:31:00
The JD Transmitter is available in all orbits
during JD mode.

8J1JBS>W6SHP:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>WB6HHV:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>W6SHP:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>WA4EJR:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>WA4EJR:JAS>
8J1JBS>WB6HHV:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>WA4EJR:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>WB6HHV:JAS>
8J1JBS>W6SHP:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>WA4EJR:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>WB6HHV:JAS>
8J1JBS>WB6LLO:JAS>
8J1JBS>WB6HHV:JAS>
8J1JBS>WA4EJR:NO.  DATE   UTC    FROM    TO      SUBJECT
```

```
8J1JBS>WA4EJR:0664 02/20 08:58  WB6LLO  WA4EJR  MESSAGE
JAS>
8J1JBS>WB6HHV:JAS>
8J1JBS>WB6HHV:JAS>
8J1JBS>BEACON:JAS1b RA 90/02/20 19:24:58
000 658 652 650 703 835 847 829 001 608
618 001 492 511 517 510 513 518 655 001
663 661 665 659 999 647 879 069 167 000
010 111 000 000 111 100 001 100 000 000

8J1JBS>BEACON:JAS1b M0 90/02/20 19:25:00
Mailbox is at your service from 90/02/17 13:31:00
The JD Transmitter is available in all orbits
during JD mode.

8J1JBS>WA4EJR:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>WA4EJR:0664 02/20 08:58  WB6LLO  WA4EJR  MESSAGE
TNX FER CALL JACK.CU ON OTHER BIRDS
73 DAVE

JAS>
8J1JBS>WB6HHV:JAS>
8J1JBS>WA4EJR:KILLED!
JAS>
8J1JBS>W6SHP:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>WA4EJR:WB6LLO-0  N8AM  -0  WB6HHV-0  K0RZ  -0  WA4EJR-0  W6SHP -0  W5GEL -0
KJ1X  -0

8J1JBS>WB6HHV:JAS>
8J1JBS>WA4EJR:WB6LLO-0  N8AM  -0  WB6HHV-0  K0RZ  -0  WA4EJR-0  W6SHP -0  W5GEL -0
KJ1X  -0

8J1JBS>WA4EJR:JAS>
8J1JBS>WB6HHV:JAS>
8J1JBS>WB6HHV:JAS>
8J1JBS>WA4EJR:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>WA4EJR:0752 02/20 19:23  K0RZ    N1CHM   Mode-S Antenna
0751 02/20 18:27  9M2DT   WB6LLO  TNX
0750 02/20 18:22  9M2DT   DB2OS   TNX
074
8J1JBS>BEACON:JAS1b RA 90/02/20 19:25:58
000 660 651 650 702 835 844 831 001 605
618 001 493 511 518 511 515 518 655 001
662 659 664 657 999 647 880 071 167 000
010 111 000 000 111 100 001 100 000 000

8J1JBS>BEACON:JAS1b M0 90/02/20 19:26:00
Mailbox is at your service from 90/02/17 13:31:00
```

```
The JD Transmitter is available in all orbits
during JD mode.

8J1JBS>K0RZ:END

8J1JBS>K0RZ:JAS>
8J1JBS>N5BF:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>WB6LLO:JAS>
8J1JBS>WB6HHV:JAS>
8J1JBS>K0RZ:JAS>
8J1JBS>N5BF:JAS>
8J1JBS>KB5MU:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>KB5MU:JAS>
8J1JBS>K0RZ:++ Available commands ++

B    : List file headers addressed to ALL
F    : List latest 15 file headers
F*   : List latest 50 fil
8J1JBS>K0RZ:e headers
F<d> : List file headers posted on day <d>
H    : Show this message
K<n> : Kill a file numbered <n>
M    : List file h
8J1JBS>K0RZ:eaders addressed to current user
R<n> : Read a file numbered <n>
U    : List current user(s)
W    : Write a file
JAS>
8J1JBS>N5BF:++ Available commands ++

B    : List file headers addressed to ALL
F    : List latest 15 file headers
F*   : List latest 50 fil
8J1JBS>WA8EBM:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>N5BF:e headers
F<d> : List file headers posted on day <d>
H    : Show this message
K<n> : Kill a file numbered <n>
M    : List file h
8J1JBS>WB6HHV:JAS>
8J1JBS>N5BF:eaders addressed to current user
R<n> : Read a file numbered <n>
U    : List current user(s)
W    : Write a file
```

```
JAS>
8J1JBS>WA8EBM:JAS>
8J1JBS>WA8EBM:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>WA8EBM:JAS>
8J1JBS>BEACON:JAS1b RA 90/02/20 19:26:58
000 662 651 649 701 836 846 829 001 564
617 001 494 511 518 512 515 519 655 001
660 659 662 655 999 647 880 072 167 000
010 111 000 000 111 100 001 100 000 000

8J1JBS>BEACON:JAS1b M0 90/02/20 19:27:00
Mailbox is at your service from 90/02/17 13:31:00
The JD Transmitter is available in all orbits
during JD mode.

8J1JBS>N5BF:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>WA8EBM:JAS>
8J1JBS>KB5MU:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>KB5MU:0742 02/20 17:37  WC8J    KB5MU   Glad to share TSR with AMSAT
0657 02/20 08:46  WB6LLO  KB5MU   TNX
JAS>
8J1JBS>WA8EBM:JAS>
8J1JBS>N5BF:0752 02/20 19:23  K0RZ    N1CHM   Mode-S Antenna
0751 02/20 18:27  9M2DT   WB6LLO  TNX
0750 02/20 18:22  9M2DT   DB2OS   TNX
074
8J1JBS>N5BF:9 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail arigato
0745 02/20 17:41  WB6LLO  W0SL    MES
8J1JBS>WA8EBM:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>N5BF:SAGE
0743 02/20 17:39  K0RZ    K8TL    Mode-S
0742 02/20 17:37  WC8J    KB5MU   Glad to share TSR with AMSAT
0741 02/20 17:36  W
8J1JBS>WA8EBM:0735 02/20 17:17  LU8DYF  ALL     Greetings from Argentina.
0712 02/20 15:20  LW2DQO  ALL     Hola !!.... CQ CQ de
0705 02/20 14
8J1JBS>K0RZ:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>WA8EBM::23  JH1PEF  ALL     CQ CQ
0704 02/20 13:55  ON6UG   ALL     JD - USERS
0701 02/20 12:59  VK3DTO  ALL     @AMSAT BULLETINS
0694
8J1JBS>K0RZ:0752 02/20 19:23  K0RZ    N1CHM   Mode-S Antenna
0751 02/20 18:27  9M2DT   WB6LLO  TNX
0750 02/20 18:22  9M2DT   DB2OS   TNX
074
8J1JBS>N5BF:A2FHL  LU8DYF  QSO
0739 02/20 17:31  K0RZ    DB2OS   Hi Peter
```

```
0738 02/20 17:31  WA2FHL  JH1PEF  QSO
JAS>
8J1JBS>K0RZ:9 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail arigato
0745 02/20 17:41  WB6LLO  W0SL    MES
8J1JBS>KB5MU:0657 02/20 08:46  WB6LLO  KB5MU   TNX
TNX FER INFO PAUL.
WORKING INFINITELY BETTER.
SURE HELPS TO KNOW THE RULES.
73

JAS>NO.  D
8J1JBS>KB5MU:ATE   UTC    FROM    TO      SUBJECT
0742 02/20 17:37  WC8J    KB5MU   Glad to share TSR with AMSAT
Yes Paul,
I would be glad to
8J1JBS>N5BF:TO?
8J1JBS>WA8EBM::23  JH1PEF  ALL     CQ CQ
0704 02/20 13:55  ON6UG   ALL     JD - USERS
0701 02/20 12:59  VK3DTO  ALL     @AMSAT BULLETINS
0694
8J1JBS>KB5MU: share the ARRL rotor driver with AMSAT users. Let me
write up a .DOC file and fix it up a little. Then I'll let you know.
Any b
8J1JBS>KB5MU:ody got a TSR driver for ICOM 275/475 Pair?
73's de Rich - Tel (216) 253-6747 [H] or (216) 923-9522 [W]
JAS>
8J1JBS>WA8EBM::23  JH1PEF  ALL     CQ CQ
0704 02/20 13:55  ON6UG   ALL     JD - USERS
0701 02/20 12:59  VK3DTO  ALL     @AMSAT BULLETINS
0694
8J1JBS>N5BF:SUBJECT?
8J1JBS>WB6LLO:JAS>
8J1JBS>WA8EBM:02/20 12:04  DB5ZP   ALL     problems with g3ruh and microsat`s
0667 02/20 10:05  ON6UG   ALL     FO-20 OVERCROWDED ?
0666 02/20
8J1JBS>N5BF:Enter text, <CR>.<CR> to end.

8J1JBS>WA8EBM: 10:02  I0LYL   ALL     MICROSAT UP DOWN FREQUENCIES
0655 02/20 08:44  VE6BJH  ALL     Tracking System
0618 02/20 06:37  ON6UG
8J1JBS>WA8EBM: ALL     MODE JD USERS FILE
0579 02/20 02:41  JA0AQZ  ALL     CQ FROM JAPAN
0548 02/20 00:47  JH1PEF  ALL
0515 02/19 18:01
8J1JBS>BEACON:JAS1b RA 90/02/20 19:27:58
000 661 651 648 701 836 846 831 001 574
618 001 495 511 519 513 516 520 654 001
658 658 661 654 999 647 880 074 167 000
010 111 000 000 111 100 001 100 000 000

8J1JBS>BEACON:JAS1b M0 90/02/20 19:28:00
Mailbox is at your service from 90/02/17 13:31:00
```

```
The JD Transmitter is available in all orbits
during JD mode.

8J1JBS>WA8EBM: 9M2BBS  ALL     GREETING
0514 02/19 17:42  JH2XIL  ALL     CQ on FO-20
0505 02/19 17:10  N8AM    ALL     Hello Earth
JAS>
8J1JBS>K0RZ:SAGE
0743 02/20 17:39  K0RZ    K8TL    Mode-S
0742 02/20 17:37  WC8J    KB5MU   Glad to share TSR with AMSAT
0741 02/20 17:36  W
8J1JBS>K0RZ:A2FHL  LU8DYF  QSO
0739 02/20 17:31  K0RZ    DB2OS   Hi Peter
0738 02/20 17:31  WA2FHL  JH1PEF  QSO
JAS>
8J1JBS>WB6LLO:++ Available commands ++

B    : List file headers addressed to ALL
F    : List latest 15 file headers
F*   : List latest 50 fil
8J1JBS>WB6LLO:e headers
F<d> : List file headers posted on day <d>
H    : Show this message
K<n> : Kill a file numbered <n>
M    : List file h
8J1JBS>WA8EBM: 9M2BBS  ALL     GREETING
0514 02/19 17:42  JH2XIL  ALL     CQ on FO-20
0505 02/19 17:10  N8AM    ALL     Hello Earth
JAS>
8J1JBS>WB6LLO:eaders addressed to current user
R<n> : Read a file numbered <n>
U    : List current user(s)
W    : Write a file
JAS>JAS>++ Avai
8J1JBS>KB5MU:KILLED!
JAS>
8J1JBS>WB6LLO:lable commands ++

B    : List file headers addressed to ALL
F    : List latest 15 file headers
F*   : List latest 50 file heade
8J1JBS>K0RZ:WB6LLO-0  N8AM  -0  WB6HHV-0  K0RZ  -0  W6SHP -0  W5GEL -0  N5BF  -0
KJ1X  -0  KB5MU -0  WA8EBM-0

8J1JBS>WA8EBM:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>WB6LLO:rs
F<d> : List file headers posted on day <d>
H    : Show this message
K<n> : Kill a file numbered <n>
M    : List file headers
8J1JBS>WB6LLO:addressed to current user
R<n> : Read a file numbered <n>
```

```
U    : List current user(s)
W    : Write a file
JAS>JAS>++ Available c
8J1JBS>WB6LLO:ommands ++

B    : List file headers addressed to ALL
F    : List latest 15 file headers
F*   : List latest 50 file headers
F<d>
8J1JBS>KB5MU:KILLED!
JAS>
8J1JBS>WB6HHV:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>WB6LLO: : List file headers posted on day <d>
H    : Show this message
K<n> : Kill a file numbered <n>
M    : List file headers address
8J1JBS>K0RZ:JAS>
8J1JBS>WC8J:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>KB5MU:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>WB6HHV:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>WC8J:JAS>
8J1JBS>WA8EBM:0704 02/20 13:55  ON6UG   ALL     JD - USERS
MODE JD USERS LIST COMPILED  FROM USERS     DATE FEB 20 1990
Please use this format
8J1JBS>KB5MU:0753 02/20 19:27  N5BF    WA5NOM  greetings
0752 02/20 19:23  K0RZ    N1CHM   Mode-S Antenna
0751 02/20 18:27  9M2DT   WB6LLO  T
8J1JBS>WB6HHV:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>KB5MU:NX
0750 02/20 18:22  9M2DT   DB2OS   TNX
0749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail a
8J1JBS>WB6HHV:0753 02/20 19:27  N5BF    WA5NOM  greetings
0752 02/20 19:23  K0RZ    N1CHM   Mode-S Antenna
0751 02/20 18:27  9M2DT   WB6LLO  T
8J1JBS>K0RZ:JAS>
8J1JBS>KB5MU:rigato
0745 02/20 17:41  WB6LLO  W0SL    MESSAGE
0743 02/20 17:39  K0RZ    K8TL    Mode-S
0741 02/20 17:36  WA2FHL  LU8DYF  QSO

8J1JBS>BEACON:JAS1b RA 90/02/20 19:28:58
000 662 650 647 701 835 844 831 001 602
618 001 496 511 520 514 517 521 655 001
657 657 658 653 999 647 880 076 167 000
010 111 000 000 111 100 001 100 000 000
```

```
8J1JBS>BEACON:JAS1b M0 90/02/20 19:29:00
Mailbox is at your service from 90/02/17 13:31:00
The JD Transmitter is available in all orbits
during JD mode.

8J1JBS>WB6LLO:ed to current user
R<n> : Read a file numbered <n>
U    : List current user(s)
W    : Write a file
JAS>JAS>JAS>JAS>TO?SUBJECT?
8J1JBS>KB5MU:JAS>
8J1JBS>WB6LLO:ed to current user
R<n> : Read a file numbered <n>
U    : List current user(s)
W    : Write a file
JAS>JAS>JAS>JAS>TO?SUBJECT?
8J1JBS>K0RZ:JAS>
8J1JBS>WA8EBM:0704 02/20 13:55  ON6UG   ALL     JD - USERS
MODE JD USERS LIST COMPILED  FROM USERS     DATE FEB 20 1990
Please use this format
8J1JBS>WA8EBM: to add your station. Tnx.

CALL   ! NAME   ! MODE
8J1JBS>WA8EBM: to add your station. Tnx.

CALL   ! NAME   ! MODE
8J1JBS>WB6HHV:NX
0750 02/20 18:22  9M2DT   DB2OS   TNX
0749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail a
8J1JBS>WA8EBM: to add your station. Tnx.

CALL   ! NAME   ! MODE
8J1JBS>WB6HHV:NX
0750 02/20 18:22  9M2DT   DB2OS   TNX
0749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail a
8J1JBS>WA8EBM: to add your station. Tnx.

CALL   ! NAME   ! MODE
8J1JBS>WB6HHV:NX
0750 02/20 18:22  9M2DT   DB2OS   TNX
0749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail a
8J1JBS>N5BF:END

8J1JBS>KB5MU:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>KB5MU:0753 02/20 19:27  N5BF    WA5NOM  greetings
Merry Christmas Gil, This is my first message sent via FO-20 mailbox.
73, Courntey
7
```

```
8J1JBS>N5BF:JAS>
8J1JBS>WB6HHV:NX
0750 02/20 18:22  9M2DT   DB2OS   TNX
0749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail a
8J1JBS>KB5MU:3, Courtney




JAS>
8J1JBS>WA8EBM: to add your station. Tnx.

CALL   ! NAME   ! MODE
8J1JBS>WA4EJR:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>W6SHP:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>WB6HHV:NX
0750 02/20 18:22  9M2DT   DB2OS   TNX
0749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail a
8J1JBS>WA8EBM: to add your station. Tnx.

CALL   ! NAME   ! MODE
8J1JBS>WB6LLO:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>N5BF:TO?
8J1JBS>BEACON:JAS1b RA 90/02/20 19:29:58
000 657 649 647 699 835 844 830 001 602
617 001 498 510 521 515 518 522 655 001
655 655 657 651 999 647 880 077 167 000
010 111 000 000 111 100 001 100 000 000

8J1JBS>BEACON:JAS1b M0 90/02/20 19:30:00
Mailbox is at your service from 90/02/17 13:31:00
The JD Transmitter is available in all orbits
during JD mode.

8J1JBS>WB6HHV:NX
0750 02/20 18:22  9M2DT   DB2OS   TNX
0749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail a
8J1JBS>W6TRW:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help
```

```
8J1JBS>WB6LLO:JAS>
8J1JBS>WA8EBM: to add your station. Tnx.

CALL   ! NAME   ! MODE
8J1JBS>WA8EBM:M ! TNC  ! MAILBOX ! ANT dwnlnk ! ANT uplnk  ! Track syst
----------------------------------------------------------------------
8J1JBS>KB5MU:TO?
8J1JBS>N5BF:SUBJECT?
8J1JBS>W6SHP:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>WA8EBM:M ! TNC  ! MAILBOX ! ANT dwnlnk ! ANT uplnk  ! Track syst
----------------------------------------------------------------------
8J1JBS>W6TRW:JAS>
8J1JBS>WB6LLO:TO?
8J1JBS>N5BF:Enter text, <CR>.<CR> to end.

8J1JBS>KB5MU:SUBJECT?Enter text, <CR>.<CR> to end.

8J1JBS>K0RZ:0751 02/20 18:27  9M2DT   WB6LLO  TNX
HI DAVE, TNX FOR THE 2ND MSG. SORRY FOR THE NAME ERROR. THE MBOX IS VERY
INTERESTING.
MSG
8J1JBS>WA8EBM:---------
ON6UG  ! Freddy ! G3RUH !TNC2C ! ON7RC   ! 2m dish    ! 9 el x-y   ! HB 65c02
I0LYL  ! Lucio  ! G3RUH !TNC2  ! I0AZI
8J1JBS>WB6LLO:SUBJECT?
8J1JBS>K0RZ: CAN BE REPLY WITHIN HOUR, HI
73 de DAVID 9M2DT
JAS>
8J1JBS>WA8EBM: ! 2x21 el.or.! 2x17 el.or.! hand-made
DB2OS  ! Peter  !  JA2  !TNC1  ! DK0MAV  ! 12el XY    ! 20el X-yagi! ATARI-ST

Please se
8J1JBS>WB6LLO:Enter text, <CR>.<CR> to end.

8J1JBS>WA8EBM:nd your info to ON6UG via FO-20 .
JAS>
8J1JBS>WA8EBM:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>W6TRW:++ Available commands ++

B    : List file headers addressed to ALL
F    : List latest 15 file headers
F*   : List latest 50 fil
8J1JBS>WA8EBM:0694 02/20 12:04  DB5ZP   ALL     problems with g3ruh and microsat`s
hello sat user !
i using here for fo-20 a modem from g3ruh.
8J1JBS>WA8EBM:.
on fo-20 the modem works very good , but i have problems to receive the
microsats, especially when the signals are not so stro
8J1JBS>K0RZ:NO.  DATE   UTC    FROM    TO      SUBJECT
```

```
8J1JBS>W6SHP:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>WB6HHV:NX
0750 02/20 18:22  9M2DT   DB2OS   TNX
0749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail a
8J1JBS>W6TRW:e headers
F<d> : List file headers posted on day <d>
H    : Show this message
K<n> : Kill a file numbered <n>
M    : List file h
8J1JBS>WA8EBM:ng.
who have this or similar problems, or can me help ?

73, Hans DB5ZP
JAS>
8J1JBS>WB6LLO:END

8J1JBS>WB6HHV:NX
0750 02/20 18:22  9M2DT   DB2OS   TNX
0749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail a
8J1JBS>WB6LLO:JAS>
8J1JBS>WA8EBM:ng.
who have this or similar problems, or can me help ?

73, Hans DB5ZP
JAS>
8J1JBS>K0RZ:0739 02/20 17:31  K0RZ    DB2OS   Hi Peter
Good to see you active on FO-20
Thanks for the Mode-S activity on
AO-13
73's  Bill
JA
8J1JBS>BEACON:JAS1b RA 90/02/20 19:30:58
000 656 649 646 699 835 845 829 001 585
618 001 499 510 522 516 519 522 655 001
654 653 655 650 999 647 880 079 167 000
010 111 000 000 111 100 001 100 000 000

8J1JBS>BEACON:JAS1b M0 90/02/20 19:31:00
Mailbox is at your service from 90/02/17 13:31:00
The JD Transmitter is available in all orbits
during JD mode.

8J1JBS>K0RZ:S>
8J1JBS>WA8EBM:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>W6TRW:eaders addressed to current user
R<n> : Read a file numbered <n>
```

```
U    : List current user(s)
W    : Write a file
JAS>
8J1JBS>WA8EBM:0666 02/20 10:02  I0LYL   ALL     MICROSAT UP DOWN FREQUENCIES
-----------------------------------------------------------------
8J1JBS>WB6LLO:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>WA8EBM:---------------
From: I0LYL                                               Pomezia, 20feb90
To  : All
Subj: Microsat Up/Down Freq
8J1JBS>K0RZ:WB6LLO-0  N8AM  -0  WB6HHV-0  K0RZ  -0  WC8J  -0  W6SHP -0  W5GEL -0
N5BF  -0  KJ1X  -0  KB5MU -0  WA8EBM-0  WA4EJR-0  W6TRW -0
8J1JBS>W6SHP:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>WB6HHV:NX
0750 02/20 18:22  9M2DT   DB2OS   TNX
0749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail a
8J1JBS>WB6LLO:0745 02/20 17:41  WB6LLO  W0SL    MESSAGE
HI ROY
RR0742
JAS>
8J1JBS>WB6HHV:NX
0750 02/20 18:22  9M2DT   DB2OS   TNX
0749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail a
8J1JBS>WB6HHV:NX
0750 02/20 18:22  9M2DT   DB2OS   TNX
0749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail a
8J1JBS>WA8EBM:uencies (From AMSAT-UK OSCAR NEWS NUMBER 81. FEB 90)
---------------------------------------------------------------------------
8J1JBS>K0RZ:
JAS>
8J1JBS>W6SHP:JAS>++ Available commands ++

B    : List file headers addressed to ALL
F    : List latest 15 file headers
F*   : List latest 50
8J1JBS>WB6LLO:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>WB6LLO:0748 02/20 18:02  JH2XIL  WC8J    mail arigato

JAS>
8J1JBS>WB6HHV:NX
0750 02/20 18:22  9M2DT   DB2OS   TNX
0749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail a
8J1JBS>WA8EBM:uencies (From AMSAT-UK OSCAR NEWS NUMBER 81. FEB 90)
---------------------------------------------------------------------------
```

```
8J1JBS>W6SHP:JAS>++ Available commands ++

B    : List file headers addressed to ALL
F    : List latest 15 file headers
F*   : List latest 50
8J1JBS>WA8EBM:uencies (From AMSAT-UK OSCAR NEWS NUMBER 81. FEB 90)
---------------------------------------------------------------------------
8J1JBS>W6SHP:JAS>++ Available commands ++

B    : List file headers addressed to ALL
F    : List latest 15 file headers
F*   : List latest 50
8J1JBS>WB6HHV:NX
0750 02/20 18:22  9M2DT   DB2OS   TNX
0749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail a
8J1JBS>WB6LLO:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>WB6LLO:0751 02/20 18:27  9M2DT   WB6LLO  TNX
HI DAVE, TNX FOR THE 2ND MSG. SORRY FOR THE NAME ERROR. THE MBOX IS VERY
INTERESTING.
MSG
8J1JBS>W6SHP:JAS>++ Available commands ++

B    : List file headers addressed to ALL
F    : List latest 15 file headers
F*   : List latest 50
8J1JBS>WB6HHV:NX
0750 02/20 18:22  9M2DT   DB2OS   TNX
0749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail a
8J1JBS>WA8EBM:uencies (From AMSAT-UK OSCAR NEWS NUMBER 81. FEB 90)
---------------------------------------------------------------------------
8J1JBS>WB6HHV:NX
0750 02/20 18:22  9M2DT   DB2OS   TNX
0749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail a
8J1JBS>BEACON:JAS1b RA 90/02/20 19:31:58
000 661 648 646 699 835 845 830 001 600
618 001 500 510 523 517 520 523 655 001
652 652 653 648 999 647 880 080 167 000
010 111 000 000 111 100 001 100 000 000

8J1JBS>BEACON:JAS1b M0 90/02/20 19:32:00
Mailbox is at your service from 90/02/17 13:31:00
The JD Transmitter is available in all orbits
during JD mode.

8J1JBS>WB6LLO: CAN BE REPLY WITHIN HOUR, HI
73 de DAVID 9M2DT
JAS>
8J1JBS>WA8EBM:-----
Satellite:        Downlink             Uplink
```

```
AO-16 (Pacsat)    1) 437.050 MHz       145.900, 145.920, 145.940, 145.960 MH
8J1JBS>W6TRW:WB6LLO-0  N8AM  -0  WB6HHV-0  K0RZ  -0  WC8J  -0  W6SHP -0  W5GEL -0
N5BF  -0  KJ1X  -0  KB5MU -0  WA8EBM-0  W6TRW -0

8J1JBS>W6SHP:JAS>++ Available commands ++

B    : List file headers addressed to ALL
F    : List latest 15 file headers
F*   : List latest 50
8J1JBS>K0RZ:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>W6SHP:JAS>++ Available commands ++

B    : List file headers addressed to ALL
F    : List latest 15 file headers
F*   : List latest 50
8J1JBS>K0RZ:0757 02/20 19:30  WB6LLO  W6SHP   CONGRATS
0756 02/20 19:30  KB5MU   N5BF    Welcome!
0753 02/20 19:27  N5BF    WA5NOM  greeting
8J1JBS>W6TRW:JAS>
8J1JBS>K0RZ:s
0752 02/20 19:23  K0RZ    N1CHM   Mode-S Antenna
0751 02/20 18:27  9M2DT   WB6LLO  TNX
0750 02/20 18:22  9M2DT   DB2OS   TNX
0
8J1JBS>WB6HHV:NX
0750 02/20 18:22  9M2DT   DB2OS   TNX
0749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail a
8J1JBS>K0RZ:749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail arigato
0745 02/20 17:41  WB6LLO  W0SL    M
8J1JBS>W6SHP:JAS>++ Available commands ++

B    : List file headers addressed to ALL
F    : List latest 15 file headers
F*   : List latest 50
8J1JBS>WA8EBM:-----
Satellite:        Downlink             Uplink
AO-16 (Pacsat)    1) 437.050 MHz       145.900, 145.920, 145.940, 145.960 MH
8J1JBS>K0RZ:ESSAGE
0743 02/20 17:39  K0RZ    K8TL    Mode-S
JAS>
8J1JBS>WA8EBM:z
                  2) 437.025 MHz
--------------------------------------------------------------------------------
LO-19 (L
8J1JBS>WA8EBM:z
                  2) 437.025 MHz
--------------------------------------------------------------------------------
LO-19 (L
8J1JBS>WA4EJR:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
```

```
Use H command for Help

8J1JBS>W6SHP:JAS>++ Available commands ++

B    : List file headers addressed to ALL
F    : List latest 15 file headers
F*   : List latest 50
8J1JBS>WB6HHV:NX
0750 02/20 18:22  9M2DT   DB2OS   TNX
0749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail a
8J1JBS>W6SHP: file headers
F<d> : List file headers posted on day <d>
H    : Show this message
K<n> : Kill a file numbered <n>
M    : List fi
8J1JBS>KB5MU:END

8J1JBS>KB5MU:JAS>NO.  DATE   UTC    FROM    TO      SUBJECT
0666 02/20 10:02  I0LYL   ALL     MICROSAT UP DOWN FREQUENCIES
------------------
Lp8J1JBS>KB5MU:-------------------------------------------------------------
From: I0LYL                                               Pomezia
8J1JBS>WA8EBM:usat)     1) 437.150 MHz       145.900, 145.880, 145.860, 145.840
MHz
                  2) 437.125 MHz
--------------------
8J1JBS>KB5MU:, 20feb90
To  : All
Subj: Microsat Up/Down Frequencies (From AMSAT-UK OSCAR NEWS NUMBER 81. FEB 90)
----------------------------
8J1JBS>WA8EBM:----------------------------------------------------------
WO-18 (Weber)     1) 437.100 MHz       145.900 MHz

8J1JBS>KB5MU:---------------------------------------------------
Satellite:        Downlink             Uplink
AO-16 (Pacsat)    1) 437.050
8J1JBS>WA4EJR:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>WB6LLO:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>WA8EBM:  2) 437.075 MHz
--------------------------------------------------------------------------------
DO-17 (Dove)      1) 145.825 M
8J1JBS>KB5MU:MHz       145.900, 145.920, 145.940, 145.960 MHz
                  2) 437.025 MHz
-----------------------------------------
8J1JBS>BEACON:JAS1b RA 90/02/20 19:33:00
000 658 648 645 698 835 845 828 001 581
618 001 501 510 524 518 521 524 655 001
651 650 652 646 999 647 880 082 167 000
```

```
010 111 000 000 111 100 001 100 000 000

8J1JBS>BEACON:JAS1b M0 90/02/20 19:33:00
Mailbox is at your service from 90/02/17 13:31:00
The JD Transmitter is available in all orbits
during JD mode.

8J1JBS>WA4EJR:JAS>
8J1JBS>WB6LLO:0751 02/20 18:27  9M2DT   WB6LLO  TNX
0652 02/20 08:38  WW8T    WB6LLO  atv
0528 02/19 21:39  YT3MV   WB6LLO  hello!
JAS>
8J1JBS>W6SHP:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>WA8EBM:                                           73 de I0LYL Lucio
JAS>
8J1JBS>KB5MU:--------------------------------------
LO-19 (Lusat)     1) 437.150 MHz       145.900, 145.880, 145.860, 145.840 MHz

8J1JBS>KB5MU:       2) 437.125 MHz
--------------------------------------------------------------------------------
WO-18 (Weber)     1)
8J1JBS>KB5MU: 437.100 MHz       145.900 MHz
                  2) 437.075 MHz
----------------------------------------------------------------
8J1JBS>KB5MU:----------------
DO-17 (Dove)      1) 145.825 MHz
                  2) " " " " MHz
---------------------------------------------
8J1JBS>WA4EJR:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>WB6LLO:TO?
8J1JBS>K0RZ:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>K0RZ:0753 02/20 19:27  N5BF    WA5NOM  greetings
Merry Christmas Gil, This is my first message sent via FO-20 mailbox.
73, Courntey
7
8J1JBS>WB6LLO:SUBJECT?
8J1JBS>K0RZ:3, Courtney




JAS>
8J1JBS>WA4EJR:JAS>
8J1JBS>WC8J:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>KB5MU:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>WB6HHV:NX
```

```
0750 02/20 18:22  9M2DT   DB2OS   TNX
0749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail a
8J1JBS>KB5MU:0735 02/20 17:17  LU8DYF  ALL     Greetings from Argentina.
0712 02/20 15:20  LW2DQO  ALL     Hola !!.... CQ CQ de
0705 02/20 14
8J1JBS>K0RZ:TO?
8J1JBS>KB5MU::23  JH1PEF  ALL     CQ CQ
0704 02/20 13:55  ON6UG   ALL     JD - USERS
0701 02/20 12:59  VK3DTO  ALL     @AMSAT BULLETINS
0694
8J1JBS>WC8J:JAS>
8J1JBS>WB6HHV:NX
0750 02/20 18:22  9M2DT   DB2OS   TNX
0749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail a
8J1JBS>KB5MU:02/20 12:04  DB5ZP   ALL     problems with g3ruh and microsat`s
0667 02/20 10:05  ON6UG   ALL     FO-20 OVERCROWDED ?
0666 02/20
8J1JBS>BEACON:JAS1b RA 90/02/20 19:33:58
000 658 647 645 697 835 844 829 001 601
618 001 503 510 525 519 522 525 655 001
649 649 650 645 999 647 880 083 168 000
010 111 000 000 111 100 001 101 001 000

8J1JBS>BEACON:JAS1b M0 90/02/20 19:34:00
Mailbox is at your service from 90/02/17 13:31:00
The JD Transmitter is available in all orbits
during JD mode.

8J1JBS>WB6LLO:Enter text, <CR>.<CR> to end.

8J1JBS>WB6HHV:NX
0750 02/20 18:22  9M2DT   DB2OS   TNX
0749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail a
8J1JBS>W6TRW:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>WB6HHV:NX
0750 02/20 18:22  9M2DT   DB2OS   TNX
0749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail a
8J1JBS>WA4EJR:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>WA4EJR:0757 02/20 19:30  WB6LLO  W6SHP   CONGRATS
0756 02/20 19:30  KB5MU   N5BF    Welcome!
0753 02/20 19:27  N5BF    WA5NOM  greeting
8J1JBS>WC8J:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>WA4EJR:s
0752 02/20 19:23  K0RZ    N1CHM   Mode-S Antenna
0751 02/20 18:27  9M2DT   WB6LLO  TNX
0750 02/20 18:22  9M2DT   DB2OS   TNX
```

```
0
8J1JBS>KB5MU: 10:02  I0LYL   ALL     MICROSAT UP DOWN FREQUENCIES
0655 02/20 08:44  VE6BJH  ALL     Tracking System
0618 02/20 06:37  ON6UG
8J1JBS>WA4EJR:749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail arigato
0745 02/20 17:41  WB6LLO  W0SL    M
8J1JBS>K0RZ:SUBJECT?
8J1JBS>WC8J:0749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail arigato
JAS>
8J1JBS>WB6HHV:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>N5BF:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>WA4EJR:ESSAGE
JAS>
8J1JBS>N5BF:JAS>
8J1JBS>KB5MU: ALL     MODE JD USERS FILE
0579 02/20 02:41  JA0AQZ  ALL     CQ FROM JAPAN
0548 02/20 00:47  JH1PEF  ALL
0515 02/19 18:01
8J1JBS>K0RZ:Enter text, <CR>.<CR> to end.

8J1JBS>W6TRW:0757 02/20 19:30  WB6LLO  W6SHP   CONGRATS
0756 02/20 19:30  KB5MU   N5BF    Welcome!
0753 02/20 19:27  N5BF    WA5NOM  greeting
8J1JBS>N5BF:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>W6TRW:s
0752 02/20 19:23  K0RZ    N1CHM   Mode-S Antenna
0751 02/20 18:27  9M2DT   WB6LLO  TNX
0750 02/20 18:22  9M2DT   DB2OS   TNX
0
8J1JBS>W6TRW:749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail arigato
0745 02/20 17:41  WB6LLO  W0SL    M
8J1JBS>WB6HHV:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>WA4EJR:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>WB6LLO:END

8J1JBS>W6TRW:ESSAGE
JAS>
8J1JBS>KB5MU: 9M2BBS  ALL     GREETING
0514 02/19 17:42  JH2XIL  ALL     CQ on FO-20
```

```
0505 02/19 17:10  N8AM    ALL     Hello Earth
JAS>
8J1JBS>WB6HHV:FO-20/JAS1b Mailbox ver. 2.00
commands [B/F/H/M/R/U/W]
Use H command for Help

8J1JBS>BEACON:JAS1b RA 90/02/20 19:34:58
548 397 669 676 725 836 846 831 001 609
618 001 503 510 526 520 523 526 655 001
649 649 650 649 999 647 879 083 168 000
010 111 000 000 111 100 001 100 110 000

8J1JBS>BEACON:JAS1b M0 90/02/20 19:35:00
Mailbox is at your service from 90/02/17 13:31:00
The JD Transmitter is available in all orbits
during JD mode.

8J1JBS>WB6HHV:JAS>
8J1JBS>WB6LLO:JAS>
8J1JBS>WA4EJR:0756 02/20 19:30  KB5MU   N5BF    Welcome!
Glad to see you active on FO-20.  Have you started receiving official
hassles about Q
8J1JBS>WA4EJR:RM to AO-13 downlinks yet?  If not, brace yourself ...
73  -Paul
JAS>
8J1JBS>KB5MU:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>KB5MU:0694 02/20 12:04  DB5ZP   ALL     problems with g3ruh and microsat`s
hello sat user !
i using here for fo-20 a modem from g3ruh.
8J1JBS>N5BF:0758 02/20 19:33  WB6LLO  YT3MV   MSG
0757 02/20 19:30  WB6LLO  W6SHP   CONGRATS
0756 02/20 19:30  KB5MU   N5BF    Welcome!
0753
8J1JBS>N5BF: 02/20 19:27  N5BF    WA5NOM  greetings
0752 02/20 19:23  K0RZ    N1CHM   Mode-S Antenna
0751 02/20 18:27  9M2DT   WB6LLO  TNX
0
8J1JBS>WB6HHV:WB6LLO-0  N8AM  -0  WB6HHV-0  K0RZ  -0  WC8J  -0  W6SHP -0  W5GEL -0
WA4EJR-0  KJ1X  -0  KB5MU -0  WA8EBM-0  N5BF  -0  W6TRW -0
8J1JBS>N5BF:750 02/20 18:22  9M2DT   DB2OS   TNX
0749 02/20 18:08  JH2XIL  WC8J    mail arigato
0748 02/20 18:02  JH2XIL  WC8J    mail ariga
8J1JBS>WA4EJR:WB6LLO-0  N8AM  -0  WB6HHV-0  K0RZ  -0  WC8J  -0  W6SHP -0  W5GEL -0
WA4EJR-0  KJ1X  -0  KB5MU -0  WA8EBM-0  N5BF  -0  W6TRW -0
8J1JBS>WB6LLO:TO?
8J1JBS>WB6HHV:WB6LLO-0  N8AM  -0  WB6HHV-0  K0RZ  -0  WC8J  -0  W6SHP -0  W5GEL -0
WA4EJR-0  KJ1X  -0  KB5MU -0  WA8EBM-0  N5BF  -0  W6TRW -0
8J1JBS>WA4EJR:
JAS>
8J1JBS>KB5MU:.
on fo-20 the modem works very good , but i have problems to receive the
microsats, especially when the signals are not so stro
```

```
8J1JBS>KB5MU:ng.
who have this or similar problems, or can me help ?

73, Hans DB5ZP
JAS>
8J1JBS>WB6LLO:SUBJECT?
8J1JBS>WB6HHV:WB6LLO-0  N8AM  -0  WB6HHV-0  K0RZ  -0  WC8J  -0  W6SHP -0  W5GEL -0
WA4EJR-0  KJ1X  -0  KB5MU -0  WA8EBM-0  N5BF  -0  W6TRW -0
8J1JBS>WB6HHV:WB6LLO-0  N8AM  -0  WB6HHV-0  K0RZ  -0  WC8J  -0  W6SHP -0  W5GEL -0
WA4EJR-0  KJ1X  -0  KB5MU -0  WA8EBM-0  N5BF  -0  W6TRW -0
8J1JBS>K0RZ:END

8J1JBS>WB6LLO:Enter text, <CR>.<CR> to end.

8J1JBS>K0RZ:JAS>
8J1JBS>BEACON:JAS1b M0 90/02/20 19:36:00
Mailbox is at your service from 90/02/17 13:31:00
The JD Transmitter is available in all orbits
during JD mode.

8J1JBS>K0RZ:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>K0RZ:0759 02/20 19:33  K0RZ    N5BF    Dove Mode-S
0758 02/20 19:33  WB6LLO  YT3MV   MSG
0757 02/20 19:30  WB6LLO  W6SHP   CONGRATS
0
8J1JBS>K0RZ:756 02/20 19:30  KB5MU   N5BF    Welcome!
0753 02/20 19:27  N5BF    WA5NOM  greetings
0752 02/20 19:23  K0RZ    N1CHM   Mode-S A
8J1JBS>N5BF:to
0745 02/20 17:41  WB6LLO  W0SL    MESSAGE
JAS>
8J1JBS>WB6HHV:WB6LLO-0  N8AM  -0  WB6HHV-0  K0RZ  -0  WC8J  -0  W6SHP -0  W5GEL -0
WA4EJR-0  KJ1X  -0  KB5MU -0  WA8EBM-0  N5BF  -0  W6TRW -0
8J1JBS>KB5MU:NO.  DATE   UTC    FROM    TO      SUBJECT

8J1JBS>N5BF:TO?
8J1JBS>WB6HHV:WB6LLO-0  N8AM  -0  WB6HHV-0  K0RZ  -0  WC8J  -0  W6SHP -0  W5GEL -0
WA4EJR-0  KJ1X  -0  KB5MU -0  WA8EBM-0  N5BF  -0  W6TRW -0
8J1JBS>K0RZ:ntenna
0751 02/20 18:27  9M2DT   WB6LLO  TNX
0750 02/20 18:22  9M2DT   DB2OS   TNX
0749 02/20 18:08  JH2XIL  WC8J    mail arigat
8J1JBS>KB5MU:0704 02/20 13:55  ON6UG   ALL     JD - USERS
MODE JD USERS LIST COMPILED  FROM USERS     DATE FEB 20 1990
Please use this format
8J1JBS>N5BF:SUBJECT?
8J1JBS>K0RZ:WB6LLO-0  N8AM  -0  WB6HHV-0  K0RZ  -0  WC8J  -0  W6SHP -0  W5GEL -0
KJ1X  -0  KB5MU -0  WA8EBM-0  N5BF  -0  W6TRW -0

8J1JBS>KB5MU:---------
ON6UG  ! Freddy ! G3RUH !TNC2C ! ON7RC   ! 2m dish    ! 9 el x-y   ! HB 65c02
I0LYL  ! Lucio  ! G3RUH !TNC2  ! I0AZI
```

8J1JBS>WB6HHV:WB6LLO-0 N8AM -0 WB6HHV-0 K0RZ -0 WC8J -0 W6SHP -0 W5GEL -0 WA4EJR-0 KJ1X -0 KB5MU -0 WA8EBM-0 N5BF -0 W6TRW -0

From 7488600749980437253
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,9fdebe9752c21da2,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-20 22:15:00 PST
Path: gmdzi!unido!tub!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!apple!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Questions about FCC NPRMs
Message-ID: <30500420@ux1.cso.uiuc.edu>
Date: 21 Feb 90 06:15:00 GMT
References: <1838@unccvax.UUCP>
Lines: 34
Nf-ID: #R:unccvax.UUCP:1838:ux1.cso.uiuc.edu:30500420:000:1374
Nf-From: ux1.cso.uiuc.edu!phil   Feb 21 00:15:00 1990
Posted: Wed Feb 21 07:15:00 1990

> I have been waiting to see just what the FCC really said regarding the proposed codeless class license. Since I have never followed NPRMs very closely before, I wonder if some of you could answer a few questions.
>
> 1. How long does it usually take for the summary of the NPRM to reach the Federal Register? I have not seen it in issues up through 2/12/90.

It usually takes a few days at least. I have seen things take more than a week to make it into the FR.

> 2. How detailed is the summary of the NPRM published in the Federal Register? Does it describe the exact changes proposed to part 97, or will it be a general statement such as the press release posted to the net earlier?

It is usually plenty detailed for our purposes. It is better than a press release.

> 3. How does the "complete text" of the NPRM differ from the summary? Would it be worthwhile to order the "complete text" of the NPRM from the Commission's copy contractor? Have any of you ever done this?

It may or may not be worth it to you. The complete text contains all the material prepared by the staff, and often includes many referenced items.

I did order the complete text and original petitions for 87-14 from the copy contractor. It was useful info at the time, but I doubt if I will need it for 90-55.

```
--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>


From 4845907338039531662
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,e73e12419c98af26
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-20 22:17:00 PST
Path: gmdzi!unido!tub!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!apple!
brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: Alternative proposal on No-Code
Message-ID: <30500421@ux1.cso.uiuc.edu>
Date: 21 Feb 90 06:17:00 GMT
References: <3614@oolong.la.locus.com>
Lines: 16
Nf-ID: #R:oolong.la.locus.com:3614:ux1.cso.uiuc.edu:30500421:000:687
Nf-From: ux1.cso.uiuc.edu!phil    Feb 21 00:17:00 1990
Posted: Wed Feb 21 07:17:00 1990


>    Look again, carefully, and you will see that.  I just did, and
>    I noticed that Phil's posting didn't contain a line identifying
>    the person that _he_ was following up to.  And _that_ person is
>    the person that my posting was addressing, NOT Phil.
>
>    BTW, if you look at my previous postings on this thread you will
>    see that I concur with many of Phil's stated views on this subject.
>    So Tad, read before you post, eh?  I don't think my posting was
>    misleading regarding who it was addressing, but if it was, then
>    I apologize to all concerned, especially Phil.  100% unintentional.

I understood your posting, Chris.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>


From -7387316334608008109
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,8102226410565601
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-20 23:34:08 PST
Path: gmdzi!unido!mcsun!uunet!fernwood!decwrl!polyslo!usc!wuarchive!texbell!
bellcore!ka9q.bellcore.com!karn
From: karn@ka9q.bellcore.com (Phil Karn)
Newsgroups: rec.ham-radio
Subject: Re: Devil in CW
Message-ID: <20160@bellcore.bellcore.com>
Date: 21 Feb 90 07:34:08 GMT
```

References: <25@<12437> <30500390@ux1.cso.uiuc.edu> <9721@ttidca.TTI.COM> <1681@aurora.AthabascaU.CA>
Sender: news@bellcore.bellcore.com
Reply-To: karn@ka9q.bellcore.com (Phil Karn)
Organization: Secular Humanists for No-Code
Lines: 23
Posted: Wed Feb 21 08:34:08 1990

In article <1681@aurora.AthabascaU.CA> lyndon@cs.AthabascaU.CA (Lyndon Nerenberg) writes:
>And considering that hardly anyone builds their own gear any more,
>I think the very idea that someone "needs" the electronic skills to
>pass the technical portion of the exam to be granted an EXTRA is
>old-age thinking.

Lyndon, we've discussed this point in the past. The fallacy in the "so, why not a no-theory license?" argument is the following:

Yes, it's certainly possible to operate a modern radio with very little knowledge of electronic theory. Hundreds of thousands of cops, firemen, security guards, mobile phone users, etc, prove this every day.

But the real question is whether one would be able to contribute to the basis and purpose of the amateur service without some knowledge of electronic theory. I certainly don't want to dismiss the public-service aspects of amateur radio, but it's clear to me that amateur radio's real payoff to society is on the technical side. Not in the direct "spin-off" aspects (though they do exist) but rather in the opportunity that amateur radio gives people to learn about electronics and communications and to encourage them to apply their skills to a socially useful career.

Phil

From 7660859076613028226
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,3b4d46d7684cd121
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-21 00:18:00 PST
Path: gmdzi!unido!tub!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!apple!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil
From: phil@ux1.cso.uiuc.edu
Newsgroups: rec.ham-radio
Subject: Re: No code and Chaos Band
Message-ID: <30500422@ux1.cso.uiuc.edu>
Date: 21 Feb 90 08:18:00 GMT
Lines: 7
Nf-ID: #R:<D6A82CC8583F00C8F5@INDYVAX.IUPU:-38:ux1.cso.uiuc.edu:30500422:000:275
Nf-From: ux1.cso.uiuc.edu!phil   Feb 21 02:18:00 1990
Posted: Wed Feb 21 09:18:00 1990

Maybe we should include on the theory test, lots of questions on direction

```
finding.  Then we have hams who are afraid they might be found, and hams
who can do the finding.  We don't do this anywhere near as much as we should.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>


From 3230702973337761740
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,91bb17db72046cff
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: 114aac,91bb17db72046cff
X-Google-Attributes: gid114aac,public
X-Google-ArrivalTime: 1990-02-21 04:22:34 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!atha!lyndon
From: lyndon@cs.AthabascaU.CA (Lyndon Nerenberg)
Newsgroups: rec.radio.shortwave,rec.ham-radio
Subject: Re: Havana Moon's On-Line Service
Keywords: details detailed...
Message-ID: <1682@aurora.AthabascaU.CA>
Date: 20 Feb 90 19:55:09 GMT
References: <176@ka2qhd.UUCP>
Organization: Athabasca University
Lines: 15
Xref: gmdzi rec.radio.shortwave:586 rec.ham-radio:9721
Posted: Tue Feb 20 20:55:09 1990

>        "Los Numeros" On-Line is the perfect blend of two of the
>      world's most excitingnd fastest growing electronics hobbies -
>        Shortwave Listening and Personal Comping.

Geez - I haven't been comping for a long time :-)

Can we please stop posting this commercial advertising hype
to the net? Whatever happened to the guidelines against
commercial traffic on the Internet?

--
Lyndon Nerenberg  VE6BBM / Computing Services / Athabasca University
     {alberta,decwrl}!atha!lyndon || lyndon@cs.AthabascaU.CA

                     UREP: Peru in disguise?


From 1940619080915000480
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,1ed570459e9adf6,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-21 04:41:13 PST
Path: gmdzi!unido!mcsun!uunet!wuarchive!psuvax1!rutgers!soleil!gopstein
From: gopstein@soleil.UUCP (Rich Gopstein)
Newsgroups: rec.ham-radio
Subject: Update on WEBER picture format
```

Message-ID: <961@soleil.UUCP>
Date: 21 Feb 90 12:41:13 GMT
Organization: Harris Semiconductor, Somerville, NJ
Lines: 24
Posted: Wed Feb 21 13:41:13 1990

Several people who have additional information about the WEBER picture
format have let me know that there are a few errors in my original
posting. Most importantly, the data is not RGB. It is just straight
color NTSC sampled at three times the color burst frequency. It is
theoretically possible to separate the chroma information from the
luminance, but it's going to take some effort.

Secondly, it seems that even-numbered frames are occasionally
transmitted. I'm still trying to figure out when. It's difficult to
get a lot of data to analyze since the passes are so short and during
the week I miss the morning passes.

In the future I will not post the sources to rec.ham-radio since it gets
automatically forwarded to INFO-HAMS. I'll post to one of the usenet
source newsgroups and send a note to rec.ham-radio.

Rich Gopstein, KD2CQ

--
Rich Gopstein

..!rutgers!soleil!gopstein

From 3937962086839489765
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,a5e922cf4dc25694,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-21 06:23:58 PST
Path: gmdzi!unido!mcsun!uunet!samsung!cg-atla!raybed2!ewb
From: ewb@raybed2.UUCP (EUGENE BALINSKI)
Newsgroups: rec.ham-radio
Subject: RTTY and/or Packet with a TS-440s
Keywords: Correct Connections Needed
Message-ID: <1470@raybed2.UUCP>
Date: 21 Feb 90 14:23:58 GMT
Organization: Raytheon Co., Bedford, Mass.
Lines: 12
Posted: Wed Feb 21 15:23:58 1990

Is there anyone out there who is presently using a Kenwood TS-440s and
any of the newer TNC/TU's like a KAM or PK-232 ? I'm considering various
hookup schemes and was wondering how you are doing it. Are you going in
the AFSK ports on the back or are you using ACC-2 ? Are you muting the mike
on the back connector etc. Any help would be appreciated. I hope to be

up on all mode HF soon.

Thanks
Gene WA1UXA

...!rayssd!raybed2!ewb
..!linus!raybed2!ewb
ewb@raybed2.ray.com

From 2773676780363033697
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,7f9877140c10d790,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-21 07:56:00 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!brutus.cs.uiuc.edu!apple!snorkelwacker!mintaka!ogicse!ucsd!ucbvax!BGUVMS.BITNET!RAFI
From: RAFI@BGUVMS.BITNET (Bruner Rafi)
Newsgroups: rec.ham-radio
Subject: RE: INFO-HAMS Digest V90 #210
Message-ID: <9002230802.AA04257@ucbvax.Berkeley.EDU>
Date: 21 Feb 90 15:56:00 GMT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 9
Posted: Wed Feb 21 16:56:00 1990

HIGH TEMPERATURE SUPERCONDUCTORS

This new development is going to mean great new UHF and microwave fron ends. I am very interested in hearing from anyone doing research on this subject as I have something to offer: substrates.

73
Earl, 4Z4TJ
bitnet%"rafi@bguvms"

From -7445018096843711795
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,23545997ca953efc,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-21 08:05:04 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!rpi!batcomputer!cornell!uw-beaver!Teknowledge.COM!unix!hplabs!hpfcso!hpfcmgw!music
From: music@hpfcmgw.HP.COM (John Wells)
Newsgroups: rec.ham-radio
Subject: Re: Broadcasting Video from RC Plane
Message-ID: <1690049@hpfcmgw.HP.COM>
Date: 21 Feb 90 16:05:04 GMT
References: <4494@jarthur.Claremont.EDU>
Organization: HP Fort Collins, CO
Lines: 56
Posted: Wed Feb 21 17:05:04 1990

/ hpfcmgw:rec.ham-radio / jokim@jarthur.Claremont.EDU (John H. Kim) / 12:28 pm Feb 19, 1990 /

Recently, on TV, I saw someone using a radio controled (RC) airplane with a video camera mounted on it.   .... I came up with what I think is a rather innovative use for this (well if you must know, as a spotter plane for deep sea fishing-- .... etc...

```
--
John H. Kim                   | (This space to be filled when I
jokim@jarthur.Claremont.edu | think of something very clever
uunet!muddcs!jarthur!jokim  | to use as a disclaimer)
----------
```

My question is.... if you are a few miles out to sea, where ya gonna take off and land. And what happens if and when the plane engine qiuts and it is quite far away from the boat. You'll get tired of tossing about $1-$2 kbucks in the ocean every so often.

A friend of mine has a 'copter and I figured out that we could use one of the CCD video chips and all the support electronics stuff.
I thought that a modified UHF tuner pack (one of those old kind with all the open air tuning caps) could be fixed up for about 75 milliwatts at ~600 mhz. We could FM the signal out and have the appropriate demodulator at the recieving end (sattelite tuner section). All this stuff, lense, video electronics, uhf transmitter, and battery would weigh about 2 pounds.

That's a lot of weight for a small aircraft to lift. So that means that to get any type of performance, we'd need a larger 'copter. That's ok but a fully loaded 'copter will cost a lot of money.   Fixed wing craft that isn't used for aerobatics is another situation.

It was only an idea, but it would have worked.

As far as being leagel.... well.... the emission was within the 100 miliwatt power requirements for liscense free operation, at the time.
I think that the current spec may be a radiated emission of within 10,000 microvolts field streingth at 1 meter.
(Right, like everyone is going to figure out how to measure this).
The frequency and details of transmission didn't matter here in Coloradio since there is little UHF TV activity and we wouldn't have interfered.

As far as a liscense is concerned, you don't don't need one for low power transmitters (less than 1/10th of a watt). However, this power level may not suit your needs and since you will probabily want to go with, say 5 watts of power to get any kind of range on the transmitter, and since this is going to be used for commercial fishing (you will get paid for supplying information) you are looking at another can of worms altogether. A ham liscense won't allow you to use your radio communication for profit or gain.

'Nuff from me for now

John Wells (WA0LHB) in Ft. Fun, Coloradio

```
From 559551842343653061
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,965a73ab902c9575,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-21 08:35:03 PST
Path: gmdzi!unido!mcsun!uunet!snorkelwacker!tut.cis.ohio-state.edu!att!dptg!
ulysses!ucbvax!TOPS20.RADC.AF.MIL!DEFRANCO
From: DEFRANCO@TOPS20.RADC.AF.MIL (Carl DeFranco)
Newsgroups: rec.ham-radio
Subject: Ham Radio "Filters" other than CW
Message-ID: <12568150935.9.DEFRANCO@TOPS20.RADC.AF.MIL>
Date: 21 Feb 90 16:35:03 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: The Internet
Lines: 45
Posted: Wed Feb 21 17:35:03 1990
```

I'm sure we're all geting tired of the same repetitive arguments over code vs no-code, especially with the FCC Proposal in the open now. Two points keep rising to the top:

1) CW acts as a filter to keep out the "undesirables" who would turn ham radio into another CB world. Bullshit. What WILL keep them out, if anything can, is that ham equipment generally costs a lot more than CB gear. What created the big rush to CB was the popularization during the 70's by TV shows and songs like "Convoy". Every wanted to run right out and prove that they could be just as "country" as the next guy. I put a CB rig in my car as I did a lot of travelling at the time, and I wanted emergency communications available, and it was CHEAP. For $60.00, I was up. Of course, the thing was almost always useless because of the incredibly low signal/intelligence ratio.

As long as ham gear costs more than CB gear, we have little to fear. Besides, no one is seriously proposing elimination of all testing requirements, or even for code to acces HF bands.

Off the wall question: Where did -13- WPM come from? It's an unusual number for speed in a decimally oriented society (or are we, given 12 in/ft, 3ft/yd, etc.) Why not 5 WPM, 10 WPM, and 20WPM, (assuming a requirement)?

2) The FCC will turn against hams if we fight to no-code license and take away our allocations. Several people asked for some reference to FCC policy. I don't have the archives handy, but several months ago, when no-code was hot and heavy, there were quotes taken from the former FCC chairman that put forth that position rather explicitly. I believe either Phil Karn or Phil Howard might remember it.

What is important to remember is that useable spectrum is finite, and the FCC is faced with a growing demand for access to it. Given the general Government position to favor business over the private citizen, the FCC will tend to reallocate the RF space based on those priorities, regardless of how much the Amateur Radio world screams. Witness the reallocation of 220 MHz space.

I do not propose to cheapen the hobby by opening up ham bands to CB'ers as the doomsayers predict, but I do propose to take a more realistic look at how Amateur Radio fits into the "grand scheme" of things. The more parochial the ham community acts, the more we will be perceived as anachronisms whose loss will be mourned by few.

Carl DeFranco
(still waiting for a call)

```
From 7008567248075404504
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c0c1d7677e5d5df,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-21 10:09:19 PST
Path: gmdzi!unido!mcsun!uunet!zephyr.ens.tek.com!uw-beaver!Teknowledge.COM!unix!
hplabs!hpfcso!hpfcdc!jle
From: jle@hpfcdc.HP.COM (Jer/ Eberhard)
Newsgroups: rec.ham-radio
Subject: EAA, Oshkosh Repeaters, Motorcycle?
Message-ID: <7880121@hpfcdc.HP.COM>
Date: 21 Feb 90 18:09:19 GMT
Organization: HP Ft. Collins, Co.
Lines: 20
Posted: Wed Feb 21 19:09:19 1990
```

So, is there a College Ham club at University of Wisconsin / Oshkosh?
Or are they all members of Fox River Valley ARC?

I am a pilot and will be in Oshkosh this summer for the annual Experimental Aircraft Association meet July 27 - August 2. I would like a list of the local repeaters (published in the repeater directory or not) and access to the local phone patch for that week.

Assuming this actually reaches someone at UW/Oshkosh, I am also looking for a motorcycle or moped to rent for that week. We are flying in and staying at Gruenhagen for the week and don't want a car (too much hassle parking). I can demonstrate insurance and 20 years of motorcycle proficiency (and maybe trade an airplane ride?).

Please mail to me and I'll post a summary.

```
Jer/ Eberhard, (SLASH), HAM = N0FZD | Hewlett-Packard - MS99, 1UP10, 15' East
CAP SAR Pilot, COMM,INST,CFI-GLIDER | 3404 East Harmony Road  (303) 229-2861
UUCP:hplabs!hpfcla!jle              | Fort Collins, Colorado  80525-9599
```

ARPA:jle%hpfcla@hplabs.HP.COM

From 7391048017015794225
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5386a1d6291a4f94,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-21 10:29:39 PST
Path: gmdzi!unido!fauern!sun1.ruf.uni-freiburg.de!ira.uka.de!apple!sun-barr!newstop!east!hienergy!jimv
From: jimv@hienergy.East.Sun.COM (Jim Vienneau - CSS Program Manager)
Newsgroups: rec.ham-radio
Subject: Nocode
Message-ID: <1606@east.East.Sun.COM>
Date: 21 Feb 90 15:34:14 GMT
Sender: news@east.East.Sun.COM
Reply-To: jimv@hienergy.East.Sun.COM (Jim Vienneau - CSS Program Manager)
Organization: Sun Microsystems, Billerica MA
Lines: 24
Posted: Wed Feb 21 16:34:14 1990
References:

<<<< WARNING: Nocode opinion follows.... >>>>

I had promised myself that I wouldn't add to the noise on the nocode issue, but I've got to make one point: I am against the nocode proposal, but not because I think the CW test is a great screen, but it's the only one that exists at present. We have a written test scheme in which all the answers are printed in a book. Our tests are not tests of technical knowledge, they are tests of memorization ability only (short term memory at that). When I ask folks who are preparing for an upgrade exam if their intent is to understand the material or to "pass the test", the answer is always "pass the test of course". It's pretty sad when we have extra class licensees who don't understand even ohm's law, but they can (or could) tell you what the answers on the test were though. I for one, am very concerned what the final outcome will be if we eliminate the code requirement and still print all the answers in the manuals. I can only support a nocode proposal if it includes new written exams that are at least *somewhat* technically challenging. Maybe I'm paranoid, but when I listen to those guys on 27.405 to 28.000 (the "freeband"), I wonder how hard it will be for them to memorize a few answers...

Jim Vienneau, Sun Microsystems Inc - Billerica, MA
Email: jvienneau@east.sun.com   Amateur Radio: WB1B
Good old Ma Bell (well old anyway): (508)671-0372

From -3920802471817897870
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,c842fb04d50c885
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-21 11:22:17 PST

Path: gmdzi!unido!mcsun!uunet!husc6!think!samsung!cs.utexas.edu!ut-emx!trey
From: trey@ut-emx.UUCP (Trey Garlough)
Newsgroups: rec.ham-radio
Subject: Re: College ARC's
Message-ID: <24858@ut-emx.UUCP>
Date: 21 Feb 90 19:22:17 GMT
References: <1676550@MTS.RPI.EDU>
Organization: The University of Texas at Austin, Austin, Texas
Lines: 22
Posted: Wed Feb 21 20:22:17 1990

In article <1676550@MTS.RPI.EDU> Joel_Glickman@MTS.RPI.EDU writes:
>keep the club going strong. By the way, some of the oldest ARC's are collge
>ARC's. For example, W2SZ (previously just 2SZ) has been around since about
>1921!! Paging through some of the old logs revealed such breakthroughs as

Speaking of university clubs ...

The University of Texas at Austin ARC, W5EHM (W5 Echo [Hotel|Hike] Motel) as it exists today came about sometime in the 1950's. Although the club doesn't sport the tradition of a W8LT, W1XM/W1MX or W2SZ, it's been working at developing a legacy of its own. The focal point of club activities is operating both modes of the ARRL November Sweepstakes. The UT-Austin club is always gunning for national recognition by earning a spot in the MultiOperator Top Ten. Sometimes they make it, sometimes they don't.

Nonetheless, the W5EHM club counts among its alumni a motley collection of Sweepstakes enthusiasts who have learned what a great club activity an SS effort can be.

Trey Garlough
Computation Center, University of Texas, Austin, Texas 78712
trey@emx.CC.UTEXAS.EDU (internet) (512-471-3241)

From -2573866731224654406
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5386a1d6291a4f94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-21 11:38:05 PST
Path: gmdzi!unido!mcsun!uunet!dino!sharkey!sbcs!root
From: root@sbcs.sunysb.edu (Systems Staff)
Newsgroups: rec.ham-radio
Subject: Re: Nocode
Message-ID: <5658@sbcs.sunysb.edu>
Date: 21 Feb 90 19:38:05 GMT
References: <1606@east.East.Sun.COM>
Organization: State University of New York at Stony Brook
Lines: 23
Posted: Wed Feb 21 20:38:05 1990

In article <1606@east.East.Sun.COM> jimv@hienergy.East.Sun.COM (Jim Vienneau - CSS Program Manager) writes:

```
><<<< WARNING: Nocode opinion follows.... >>>>
>I had promised myself that I wouldn't add to the noise on the nocode issue,
>but I've got to make one point: I am against the nocode proposal, but not
>because I think the CW test is a great screen, but it's the only one that
>exists at present. We have a written test scheme in which all the answers
>are printed in a book. Our tests are not tests of technical knowledge, they
>are tests of memorization ability only (short term memory at that).  When
     ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

     I am curious about this statement, ie test is only that
     of memorization.  One data point, a guy I work with here, passed
     his general first shot.  He did not memorize the questions.  Is
     it the case that the various courses actually set out and train
     people to understand the material or to just memorize?  Or is
     the material hard enough that the average guy cannot absorb it and
     thus the courses evolve to the least common denominator?

>Jim Vienneau, Sun Microsystems Inc - Billerica, MA

                   Rick Spanbauer
                   wb2cfv
                   State U of NY/Stony Brook
```

```
From -1144564391729887O3
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,de6a4f5b875e5a11,start
X-Google-Attributes: gid10c9e3,public
X-Google-Thread: fb802,de6a4f5b875e5a11,start
X-Google-Attributes: gidfb802,public
X-Google-ArrivalTime: 1990-02-21 12:10:47 PST
Path: gmdzi!unido!mcsun!uunet!dino!ux1.cso.uiuc.edu!brutus.cs.uiuc.edu!jarthur!
csvmark
From: csvmark@jarthur.Claremont.EDU (Mark R. Anderson)
Newsgroups: rec.ham-radio,comp.sys.mac
Subject: Wanted: Macintosh program to aid in the learning of morse code
Message-ID: <4536@jarthur.Claremont.EDU>
Date: 21 Feb 90 20:10:47 GMT
Followup-To: rec.ham-radio
Organization: Harvey Mudd College, Claremont, CA 91711
Lines: 11
Xref: gmdzi rec.ham-radio:9745 comp.sys.mac:39893
Posted: Wed Feb 21 21:10:47 1990
References:
```

The Claremont College Amateur Radio Club is offering some entry level
classes. They are looking for a Macintosh program to train students
in morse code.

If anyone know of such a program please email me a note.
mark@hmcvax.claremont.edu
or
csvmark@jarthur.claremont.edu

```
Thank you.
mark


From -4493987780497801789
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,678c6f2667128433
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-21 12:16:25 PST
Path: gmdzi!unido!mcsun!sunic!uupsi!rpi!zaphod.mps.ohio-state.edu!van-bc!ubc-cs!
alberta!atha!lyndon
From: lyndon@cs.AthabascaU.CA (Lyndon Nerenberg)
Newsgroups: rec.ham-radio
Subject: Re: Hams per Capita, Various Countries
Message-ID: <1695@aurora.AthabascaU.CA>
Date: 21 Feb 90 20:16:25 GMT
References: <9002171432.AA12828@cmr.ncsl.nist.gov>
Organization: Athabasca University
Lines: 16
Posted: Wed Feb 21 21:16:25 1990

>People  Ham     /sq mi  License Income   Country
>-----------------------------------------------------------
> 992    165*       6*           $13  K   Canada

Why the blank under License? Is this to imply that we don't have
licenses? (Why did I pay $13 for that yellow piece of paper?)
Yes, we have a no-code license, but you know that ...

>*  Much of the territory is unpopulated

Should be obvious from the numbers :-)
--
Lyndon Nerenberg  VE6BBM / Computing Services / Athabasca University
     {alberta,decwrl}!atha!lyndon || lyndon@cs.AthabascaU.CA

                     UREP: Peru in disguise?


From 6229434521218684783
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,83c60df4ae191116
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-21 12:34:13 PST
Path: gmdzi!unido!mcsun!uunet!van-bc!ubc-cs!alberta!atha!lyndon
From: lyndon@cs.AthabascaU.CA (Lyndon Nerenberg)
Newsgroups: rec.ham-radio
Subject: Re: Hams per Capita
Message-ID: <1696@aurora.AthabascaU.CA>
Date: 21 Feb 90 20:34:13 GMT
References: <9002182253.AA00329@cmr.ncsl.nist.gov>
Organization: Athabasca University
```

Lines: 29
Posted: Wed Feb 21 21:34:13 1990

In article <9002182253.AA00329@cmr.ncsl.nist.gov> rc@CMR.NCSL.NIST.GOV (Robert Carpenter) writes:
>Phil Karn has noted that I listed Canada as NOT having a no-code license, while
>, in fact, they do have the no-code Digital class. My ommision was intentional.
>There are SO few Digital tickets that one could say that Canada PRACTICALLY
>doesn't (yet) have a for-the-masses no-code ticket like the other countries
>mentioned.

Excuse me? Either it exists or it doesn't. Don't be such a bigot.

I just phoned the Dep't of Communications. They don't have a
breakdown by certificate type available, however I going to
contact the licensing branch in Ottawa and put in a request
that they scan the license database and give me exact numbers.

Of course, all of this is moot, since all the digital certificate
holders grandfather into "advanced" status when the new licensing
system takes effect this fall.

[This means that current digital holders will inherit full HF
  privs - all modes - and will be able to operate CW (GASP!)
  without having to take THE DREADED MORSE TEST! I think you're
  going to see a LOT of people writing the digital exam over the
  summer :-)]

--
Lyndon Nerenberg VE6BBM / Computing Services / Athabasca University
     {alberta,decwrl}!atha!lyndon || lyndon@cs.AthabascaU.CA

                     UREP: Peru in disguise?

From 9075429894500981549
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,fac450d0fe5fc7fc
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-21 13:08:09 PST
Path: gmdzi!unido!mcsun!uunet!tut.cis.ohio-state.edu!bgsuvax!fyfe
From: fyfe@bgsuvax.UUCP (Bob Fyfe)
Newsgroups: rec.ham-radio
Subject: Re: Buying from Japan
Message-ID: <5459@bgsuvax.UUCP>
Date: 21 Feb 90 21:08:09 GMT
References: <3629@oolong.la.locus.com>
Organization: Bowling Green State University B.G., Oh.
Lines: 31
Posted: Wed Feb 21 22:08:09 1990

From article <3629@oolong.la.locus.com>, by eric@locus.com (Eric Peterson):
> In article <38695@apple.Apple.COM> pvh@Apple.COM (Pete Helme) writes:

>> ...
>>So my question is has anyone here ever purchased a transceiver from Japan and
>>succesfully modified it for American frequencies and been happy with that.
>>Or have you been sorry you didn't have a USA warranty etc. I have
>>contacts in Japan so getting the radio is no problem. I'm just wondering if
>>it's more hassle than the money savings is worth.

Just a comment on buying from Japan in general...

I was interested in buying a camera outfit and many suggested that mail-order was the way to go. I got myself a copy of a photographic magazine and the mail-order vendors listed in the back had prices that no one around here (OH) could come close to. What I didn't realize at the onset was that those prices were for Japanese goods. In other words, there was no U.S. warranty on it.
I was looking at Canon equipment. I found out that Canon has a subsidiary called U.S. Canon that does better (at least more!) quality control and maintains the warranty program. When comparing U.S. Canon prices (i.e. that contained a U.S. warranty) I found that their prices were still better although not anywhere as significantly better as Canon's. The warranty and cost of quality control made the difference.

My personal opinion is: Warranties are like insurance; you don't need them... until you need them. If you feel that you can live without the insurance then ordering direct is the best way to go. I went with the U.S. warranty.

--bobb
fyfe@andy.bgsu.edu

From 2449417181734435086
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,5386a1d6291a4f94
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-21 13:16:43 PST
Path: gmdzi!unido!mcsun!uunet!samsung!zaphod.mps.ohio-state.edu!usc!apple!sun-barr!newstop!east!hienergy!jimv
From: jimv@hienergy.East.Sun.COM (Jim Vienneau - CSS Program Manager)
Newsgroups: rec.ham-radio
Subject: Re: Nocode
Message-ID: <1607@east.East.Sun.COM>
Date: 21 Feb 90 21:16:43 GMT
References: <1606@east.East.Sun.COM> <5658@sbcs.sunysb.edu>
Sender: news@east.East.Sun.COM
Reply-To: jimv@hienergy.East.Sun.COM (Jim Vienneau - CSS Program Manager)
Organization: Sun Microsystems, Billerica MA
Lines: 26
Posted: Wed Feb 21 22:16:43 1990

>people to understand the material or to just memorize? Or is
>the material hard enough that the average guy cannot absorb it and
>thus the courses evolve to the least common denominator?

> Rick Spanbauer
> wb2cfv
> State U of NY/Stony Brook

I don't think it's a matter of "cannot absorb" it, I think it's a matter of the fastest way to meet your goal. If your goal is to simply "pass the test", then the fatest way to accomplish that it to memorize the questions and the answers. I think the ARRL manuals are pretty well written such that if even non-technical folks took the time to read and study them in order, they could easily understand the material and pass a fair test on that material. As long as we continue to print the question pools and the answers, there will always be an easier way out. I've talked to several folks who have never read any part of the license manuals other than the question pools. I don't see how taking away the code requirement and not "fixing" the written tests will benefit amateur radio. Sheer numbers cannot be the answer to everything that is wrong with our hobby.

-jim
Jim Vienneau, Sun Microsystems Inc - Billerica, MA
Email: jvienneau@east.sun.com   Amateur Radio: WB1B
Good old Ma Bell (well old anyway): (508)671-0372

From 3558703978374400252
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10c9e3,66082f3f1a58461c,start
X-Google-Attributes: gid10c9e3,public
X-Google-ArrivalTime: 1990-02-21 13:18:15 PST
Path: gmdzi!unido!mcsun!uunet!cs.utexas.edu!tut.cis.ohio-state.edu!att!dptg!ulysses!ucbvax!CMR.NCSL.NIST.GOV!rc
From: rc@CMR.NCSL.NIST.GOV (Robert Carpenter)
Newsgroups: rec.ham-radio
Subject: Will someone post text of NPR 90-55\
Message-ID: <9002212118.AA12455@cmr.ncsl.nist.gov>
Date: 21 Feb 90 21:18:15 GMT
Sender: usenet@ucbvax.BERKELEY.EDU
Organization: National Institute of Standards and Technology